

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059328.D
 Acq On : 21 Nov 2019 12:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 3:11:45 PM

Quant Time: Nov 22 06:13:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	414730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	649140	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	578372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	269558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	241367	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	7.57	113	196069	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
50) Toluene-d8	10.08	98	773292	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	275256	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	234481	44.163	ug/l	98
3) Chloromethane	2.04	50	277052	42.594	ug/l	99
4) Vinyl Chloride	2.17	62	299225	44.682	ug/l	100
5) Bromomethane	2.55	94	162877	43.808	ug/l	98
6) Chloroethane	2.69	64	152361	41.687	ug/l	98
7) Trichlorofluoromethane	3.00	101	299779	41.570	ug/l	100
8) Diethyl Ether	3.39	74	133121	45.153	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	194021	43.999	ug/l	100
10) Methyl Iodide	3.93	142	254809	46.495	ug/l	100
11) Tert butyl alcohol	4.75	59	206781	207.553	ug/l	99
12) 1,1-Dichloroethene	3.71	96	195408	43.656	ug/l	98
13) Acrolein	3.58	56	192212	211.350	ug/l	100
14) Allyl chloride	4.29	41	365433	43.702	ug/l	99
15) Acrylonitrile	4.95	53	565774	214.782	ug/l	99
16) Acetone	3.79	43	578998	259.503	ug/l	100
17) Carbon Disulfide	4.03	76	615897	43.921	ug/l	99
18) Methyl Acetate	4.29	43	315563	42.617	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	651990	45.098	ug/l	99
20) Methylene Chloride	4.52	84	215662	42.857	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	210846	44.446	ug/l	99
22) Diisopropyl ether	5.92	45	697975	44.333	ug/l	98
23) Vinyl Acetate	5.86	43	2801160	226.255	ug/l	100
24) 1,1-Dichloroethane	5.82	63	397022	44.802	ug/l	99
25) 2-Butanone	6.81	43	786221	226.611	ug/l	99
26) 2,2-Dichloropropane	6.80	77	332928	43.388	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	237485	44.371	ug/l	98
28) Bromochloromethane	7.17	49	159827	44.546	ug/l	98
29) Tetrahydrofuran	7.18	42	501258	208.943	ug/l	99
30) Chloroform	7.35	83	379357	44.099	ug/l	99
31) Cyclohexane	7.63	56	374734	42.768	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	321300	43.485	ug/l	99
36) 1,1-Dichloropropene	7.77	75	303038	45.220	ug/l	100
37) Ethyl Acetate	6.90	43	308447	42.827	ug/l	99
38) Carbon Tetrachloride	7.75	117	284086	44.282	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	369461	45.720	ug/l	98
40) Benzene	8.02	78	887777	45.137	ug/l	100
41) Methacrylonitrile	7.15	41	139412m	43.604	ug/l	
42) 1,2-Dichloroethane	8.10	62	292218	44.923	ug/l	100
43) Isopropyl Acetate	8.14	43	485715	44.128	ug/l	99
44) Trichloroethene	8.82	130	225302	45.198	ug/l	99
45) 1,2-Dichloropropane	9.10	63	237503	45.284	ug/l	99
46) Dibromomethane	9.19	93	145682	45.285	ug/l	99
47) Bromodichloromethane	9.39	83	296157	45.967	ug/l	98
48) Methyl methacrylate	9.18	41	219743	43.902	ug/l	98
49) 1,4-Dioxane	9.19	88	72701	966.425	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	1467093	227.717	ug/l	99
52) Toluene	10.15	92	537232	45.426	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	340393	45.449	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	377080	46.398	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	208490	45.341	ug/l	99
56) Ethyl methacrylate	10.42	69	326108	42.343	ug/l	99
57) 1,3-Dichloropropane	10.70	76	361770	45.140	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	530592	191.959	ug/l	99
59) 2-Hexanone	10.74	43	1104471	234.119	ug/l	99
60) Dibromochloromethane	10.90	129	224855	46.405	ug/l	100
61) 1,2-Dibromoethane	11.00	107	214595	44.852	ug/l	99
64) Tetrachloroethene	10.63	164	195371	43.676	ug/l	98
65) Chlorobenzene	11.43	112	556530	44.751	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	206176	45.635	ug/l	99
67) Ethyl Benzene	11.51	91	1018697	45.877	ug/l	100
68) m/p-Xylenes	11.62	106	759092	92.001	ug/l	100
69) o-Xylene	11.95	106	360251	45.607	ug/l	99
70) Styrene	11.96	104	587437	47.131	ug/l	100
71) Bromoform	12.13	173	160092	46.789	ug/l #	98
73) Isopropylbenzene	12.25	105	976012	44.200	ug/l	100
74) N-amyl acetate	12.07	43	385653	43.457	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	304914	41.743	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	271137m	43.539	ug/l	
77) Bromobenzene	12.53	156	231238	43.174	ug/l	99
78) n-propylbenzene	12.59	91	1126998	45.056	ug/l	99
79) 2-Chlorotoluene	12.67	91	665704	43.360	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	823587	44.368	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	111334	44.716	ug/l	97
82) 4-Chlorotoluene	12.77	91	686449	43.206	ug/l	99
83) tert-Butylbenzene	12.99	119	700763	44.699	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	818431	45.009	ug/l	100
85) sec-Butylbenzene	13.17	105	942572	44.732	ug/l	100
86) p-Isopropyltoluene	13.29	119	855660	45.634	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	413775	43.381	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	407975	43.231	ug/l	99
89) n-Butylbenzene	13.62	91	753405	45.804	ug/l	99
90) Hexachloroethane	13.88	117	152000	42.804	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	400084	43.354	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62285	40.106	ug/l	98

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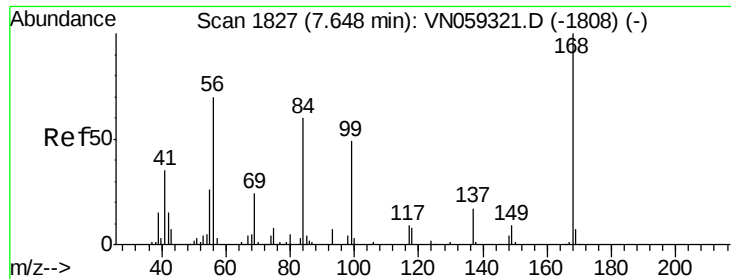
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	245407	43.182	ug/l	99
94) Hexachlorobutadiene	15.01	225	139441	41.940	ug/l	99
95) Naphthalene	15.13	128	662116	42.190	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	247340	44.137	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059328.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 414730

Ion Ratio Lower Upper

168 100

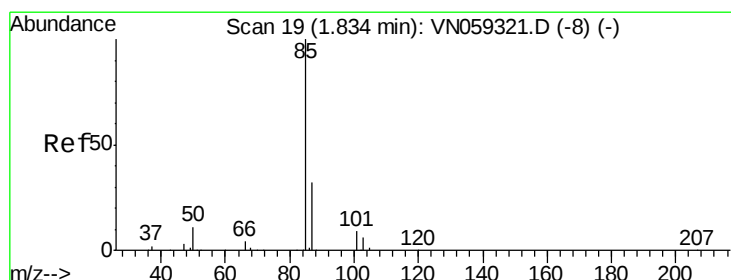
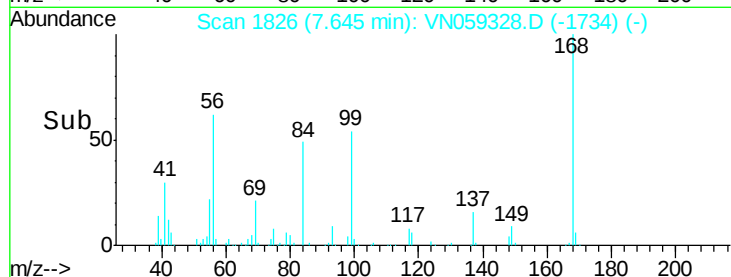
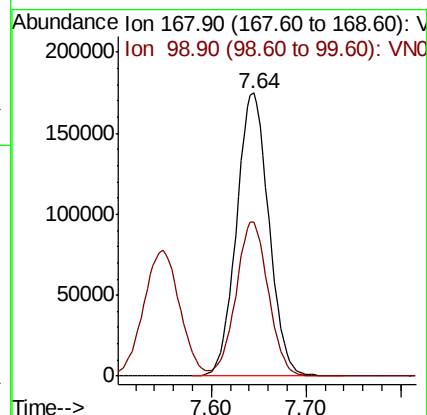
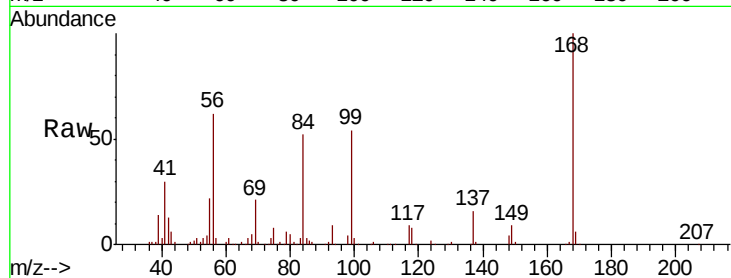
99 54.2 44.6 66.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 44.163 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN059328.D

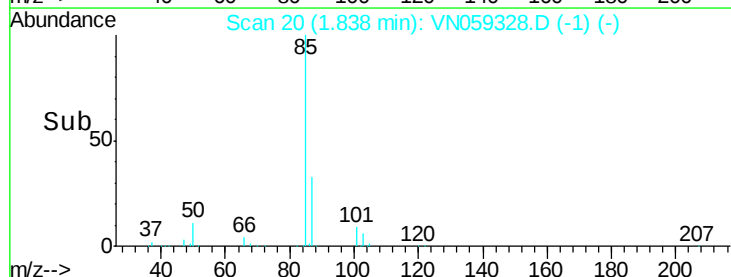
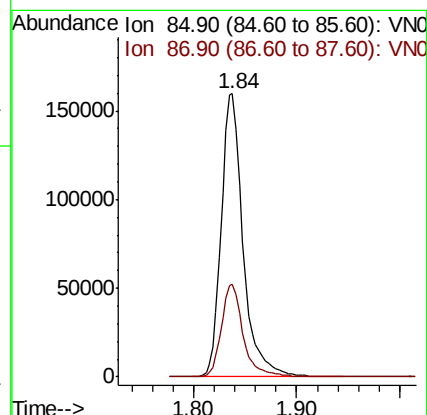
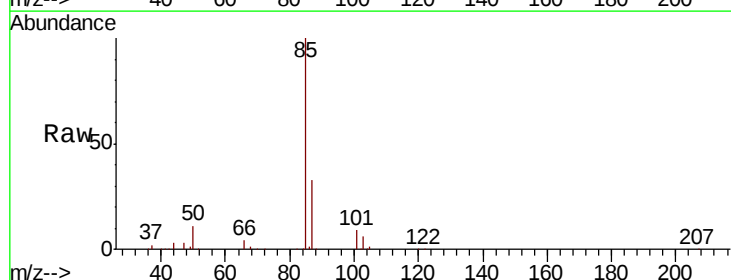
Acq: 21 Nov 2019 12:03

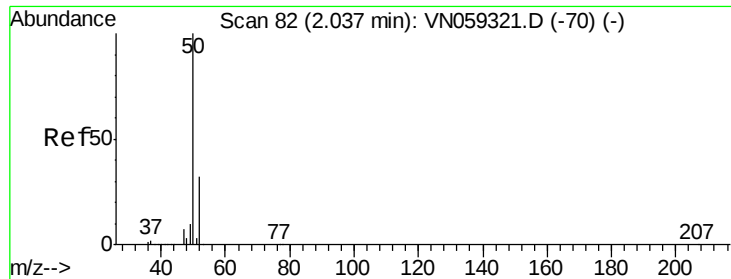
Tgt Ion: 85 Resp: 234481

Ion Ratio Lower Upper

85 100

87 33.0 16.0 48.0





#3

Chloromethane

Concen: 42.594 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 277052

Ion Ratio Lower Upper

50 100

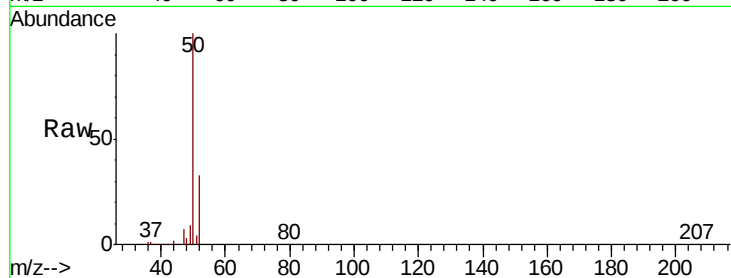
52 33.1 26.0 39.0

Manual Integrations

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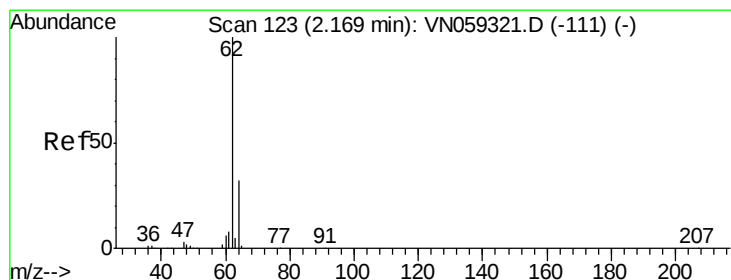
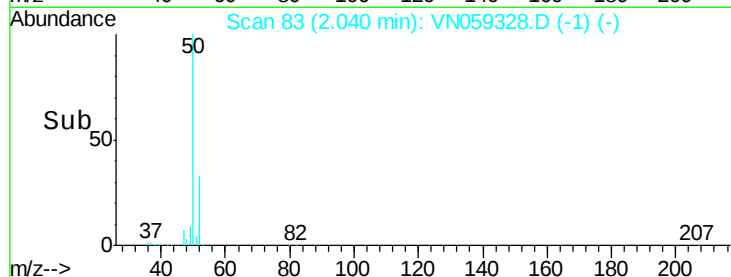
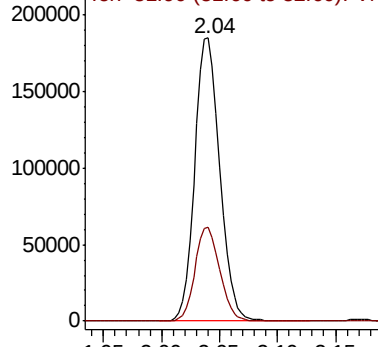
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 44.682 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN059328.D

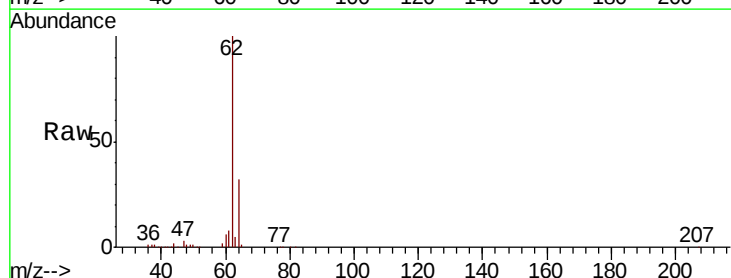
Acq: 21 Nov 2019 12:03

Tgt Ion: 62 Resp: 299225

Ion Ratio Lower Upper

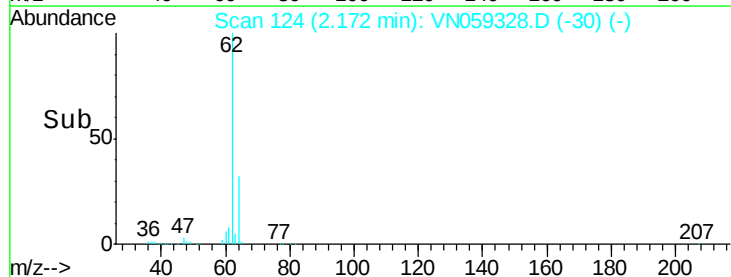
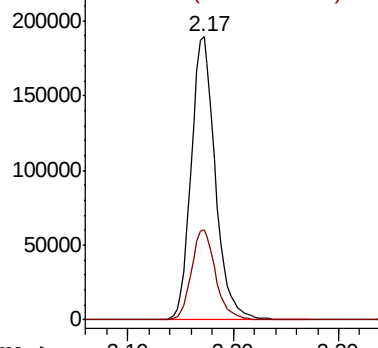
62 100

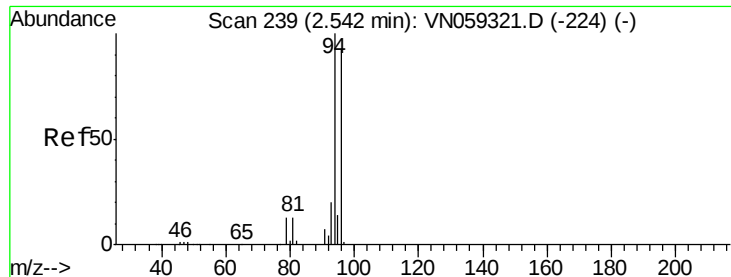
64 32.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 43.808 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 162877

Ion Ratio Lower Upper

94 100

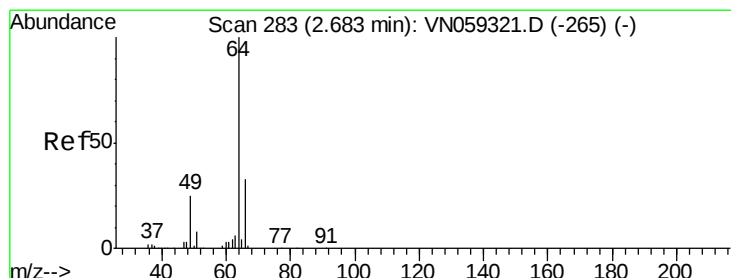
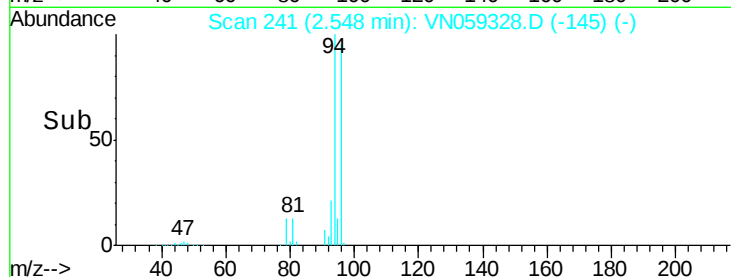
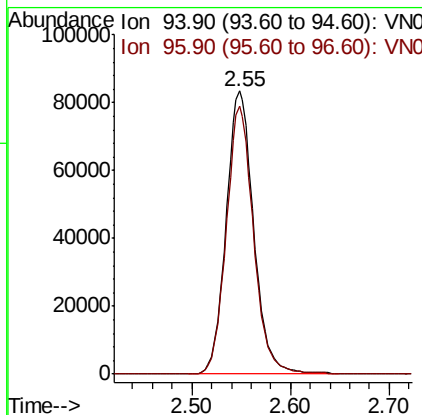
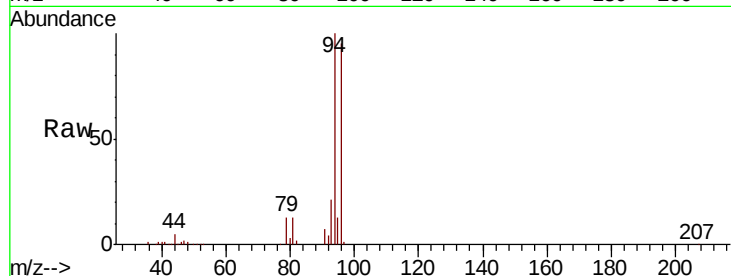
96 94.7 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 41.687 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059328.D

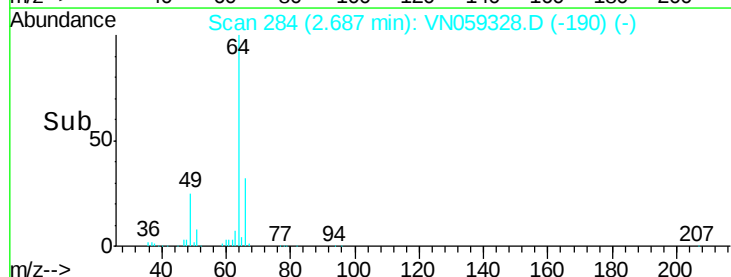
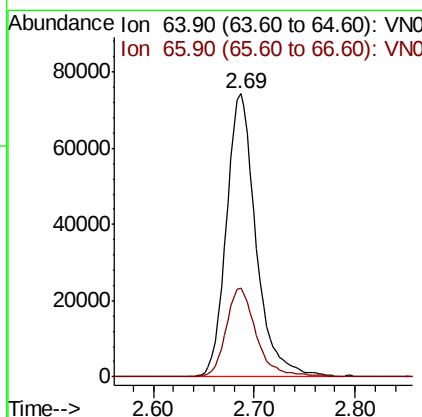
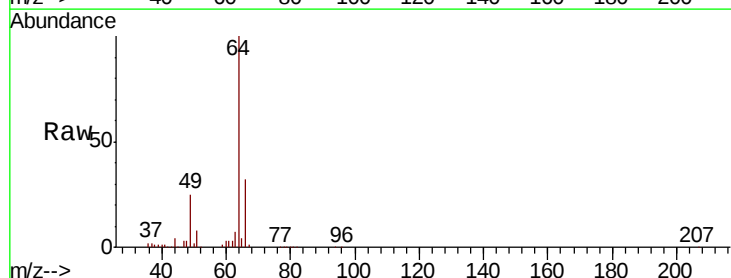
Acq: 21 Nov 2019 12:03

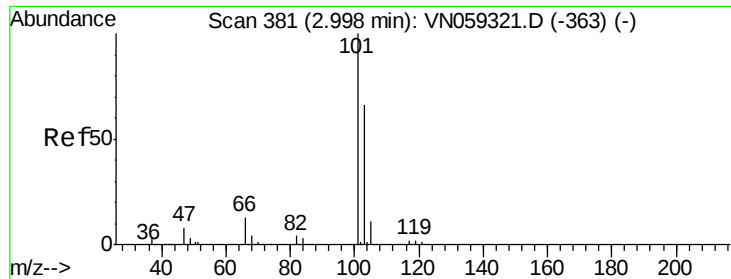
Tgt Ion: 64 Resp: 152361

Ion Ratio Lower Upper

64 100

66 31.6 26.2 39.2





#7

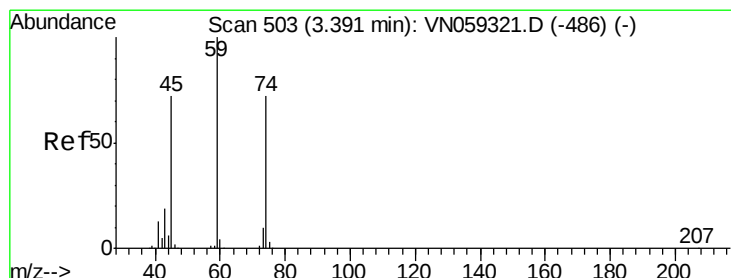
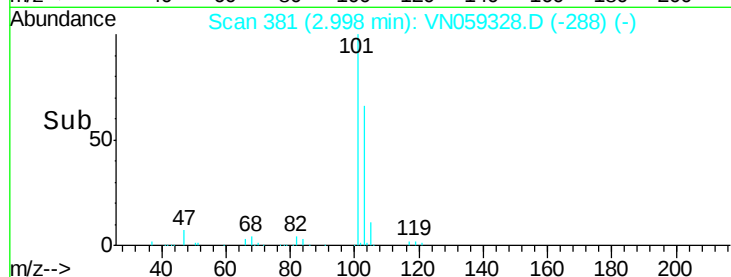
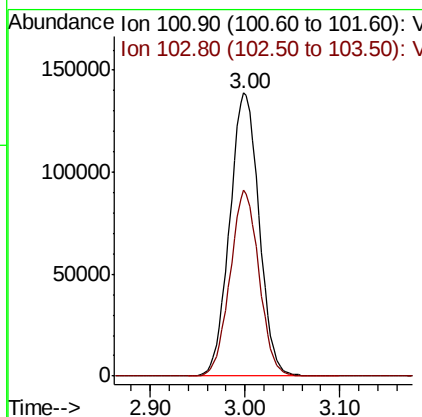
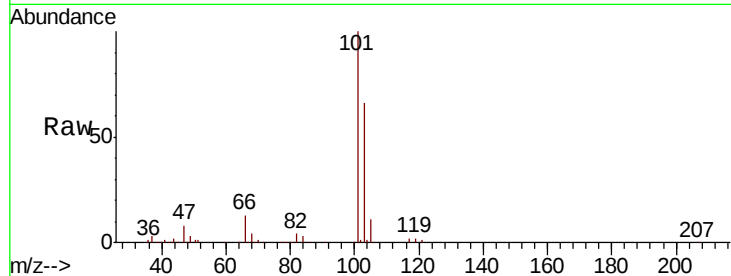
Trichlorofluoromethane
 Concen: 41.570 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Instrument :
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 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		299779		
103	65.5	52.5	78.7		

Manual Integrations
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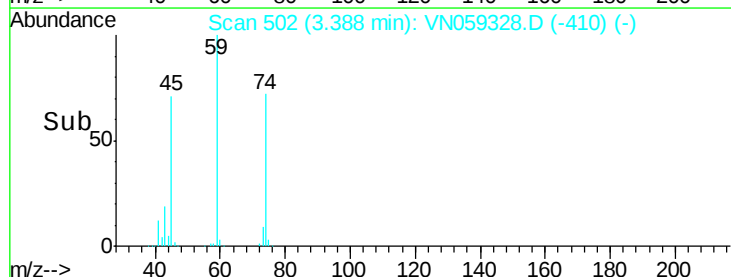
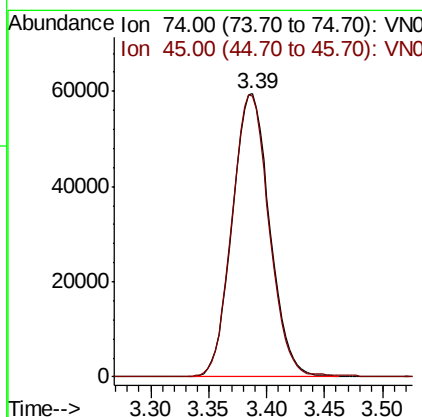
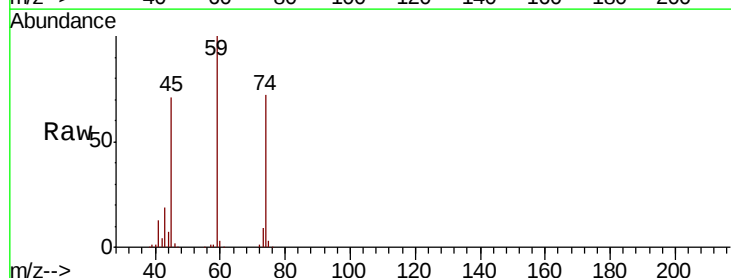
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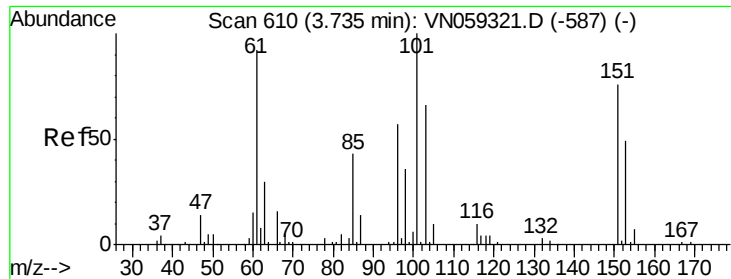


#8

Diethyl Ether
 Concen: 45.153 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		133121		
45	98.9	51.7	155.2		





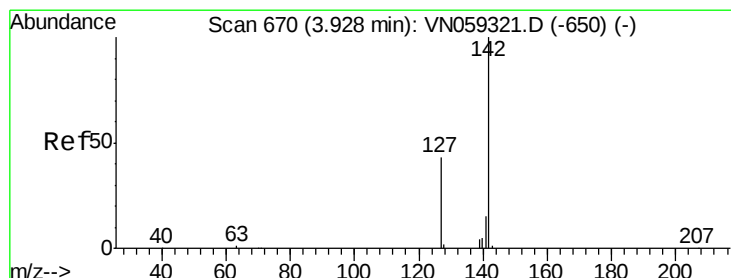
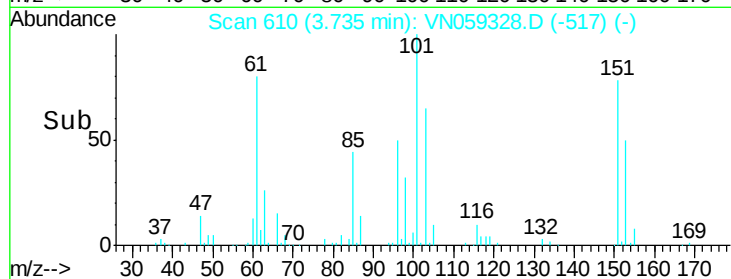
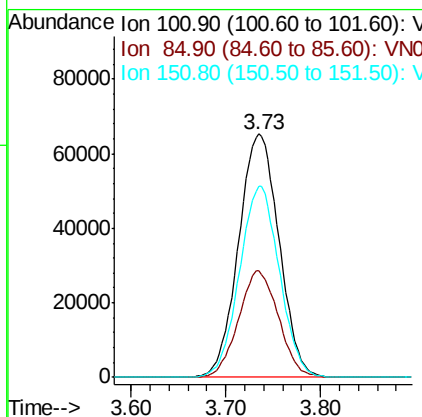
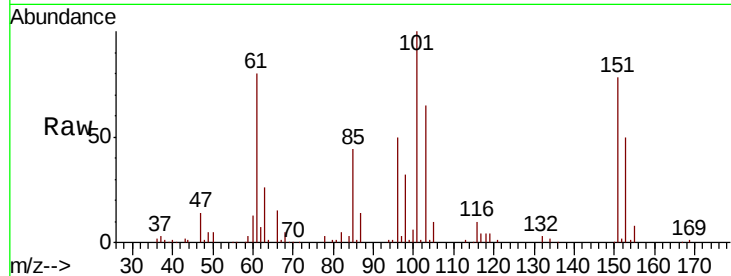
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 43.999 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.8	52.2
151	77.6	62.2	93.4

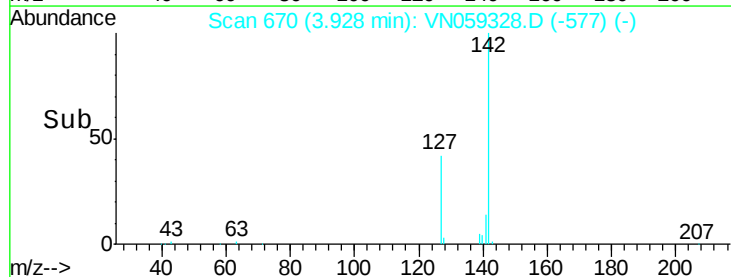
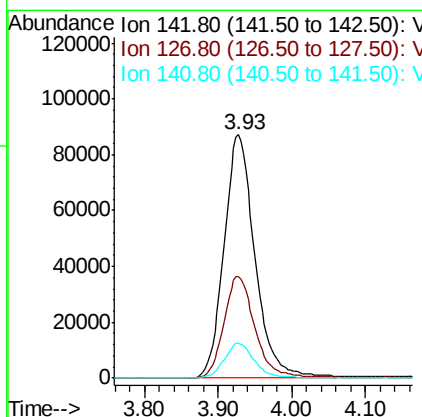
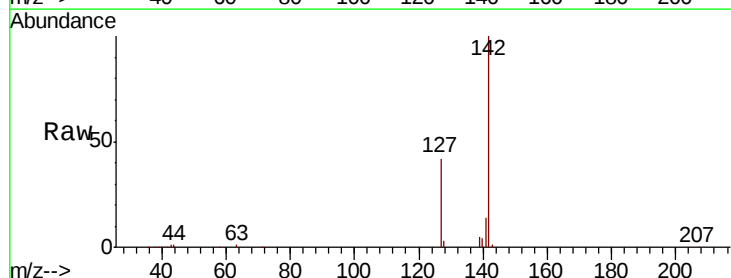
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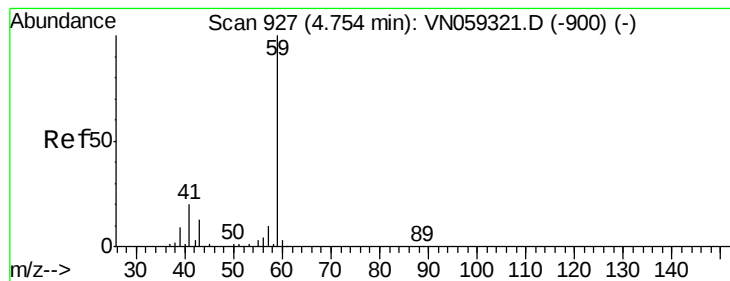
MMDadoda
 11/22/2019 3:11:45 PM



#10
 Methyl Iodide
 Concen: 46.495 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.8	33.8	50.6
141	14.0	11.2	16.8





#11

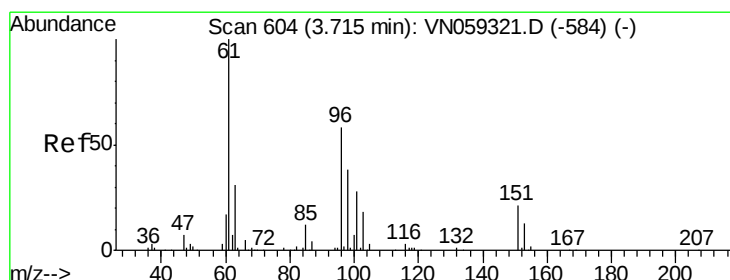
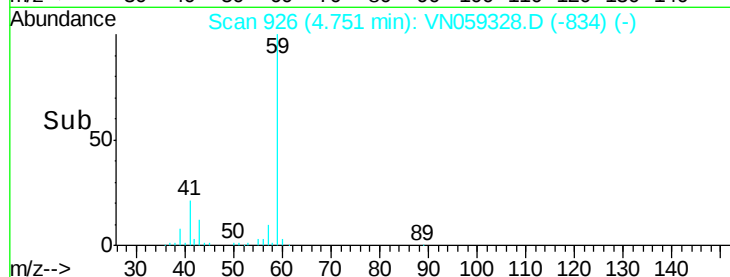
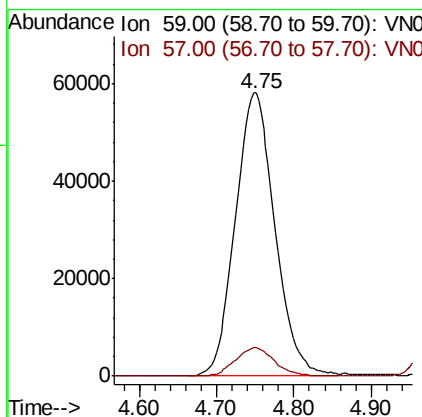
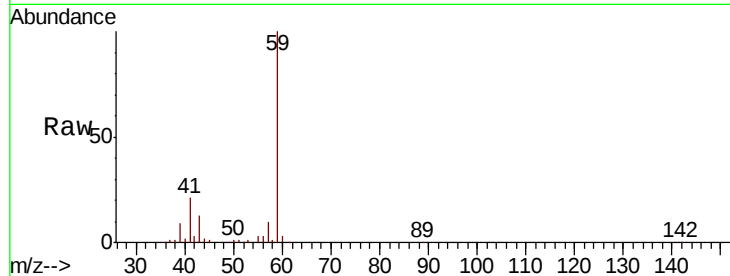
Tert butyl alcohol
 Concen: 207.553 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

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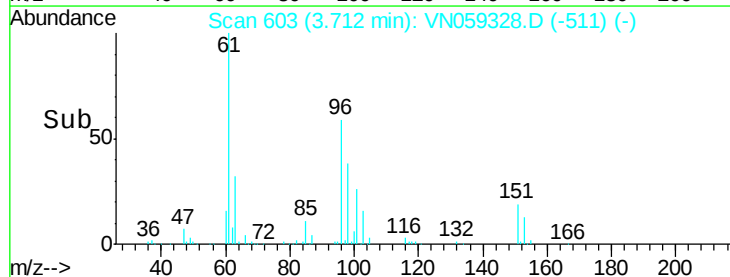
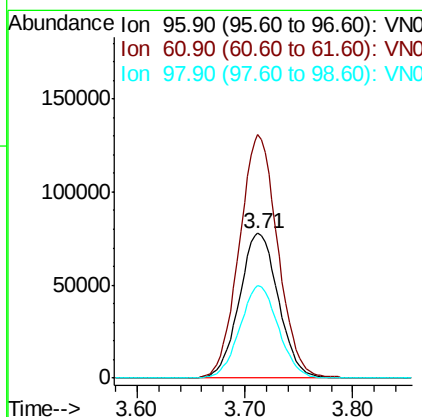
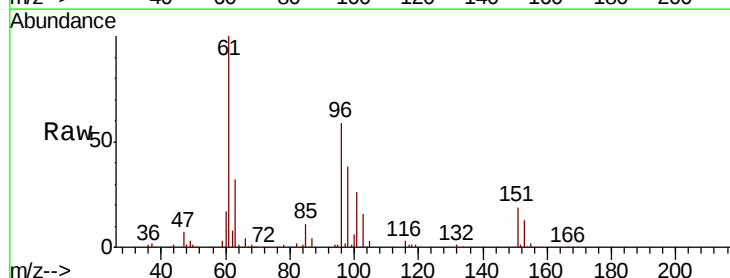
MMDadoda
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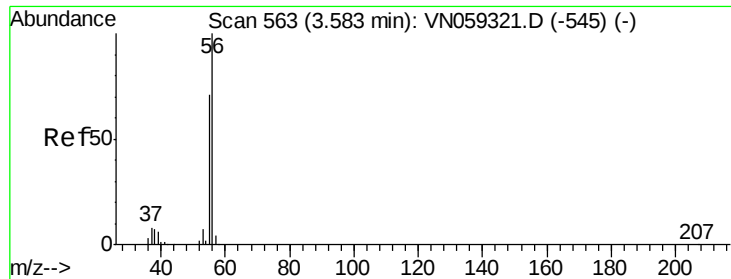


#12

1,1-Dichloroethene
 Concen: 43.656 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.1	136.8	205.2
98	63.9	51.6	77.4





#13

Acrolein

Concen: 211.350 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 192212

Ion Ratio Lower Upper

56 100

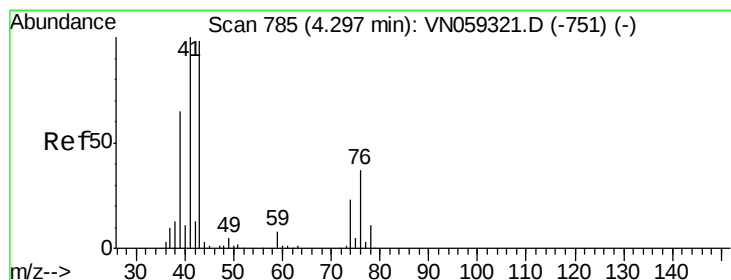
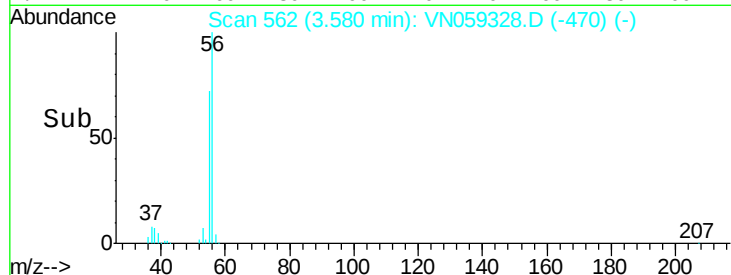
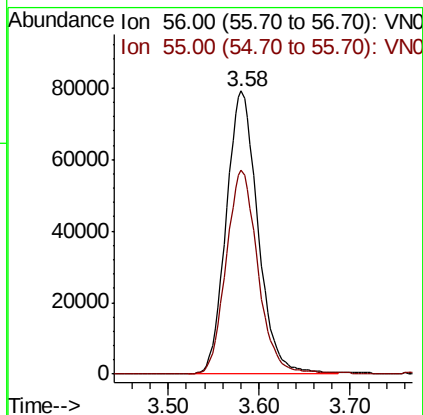
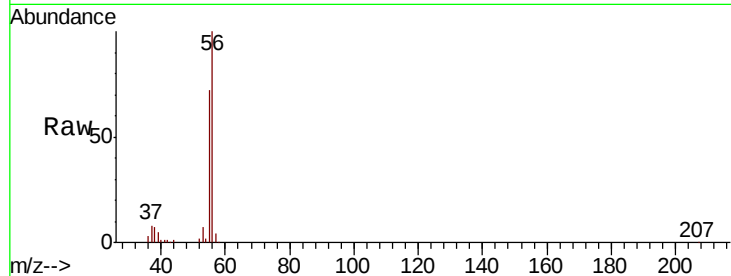
55 72.1 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 43.702 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

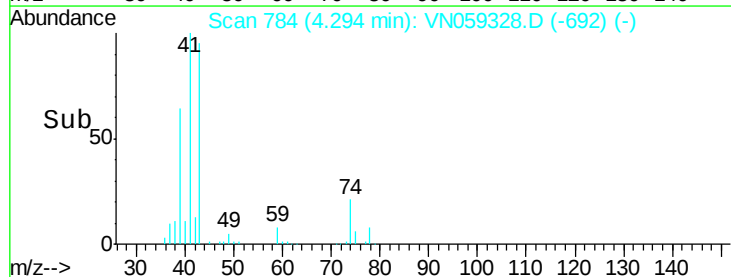
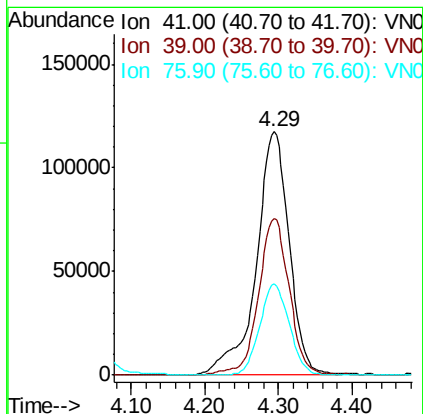
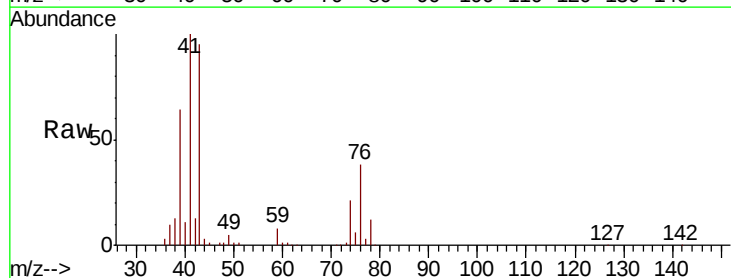
Tgt Ion: 41 Resp: 365433

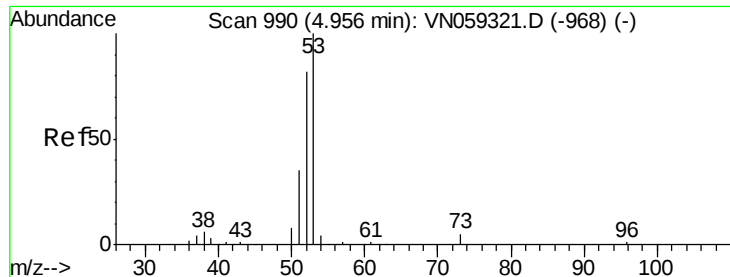
Ion Ratio Lower Upper

41 100

39 60.1 48.4 72.6

76 33.5 26.2 39.4





#15

Acrylonitrile

Concen: 214.782 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

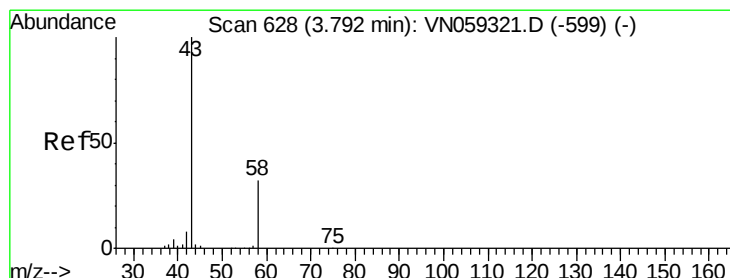
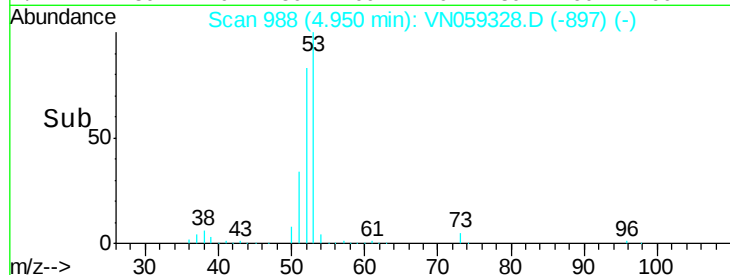
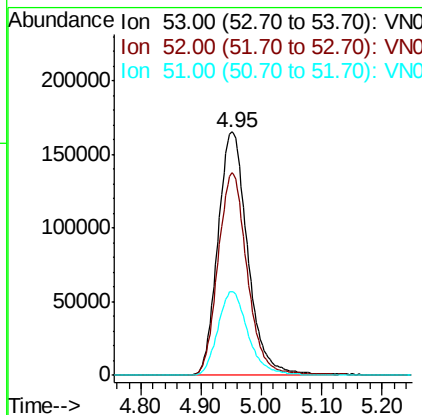
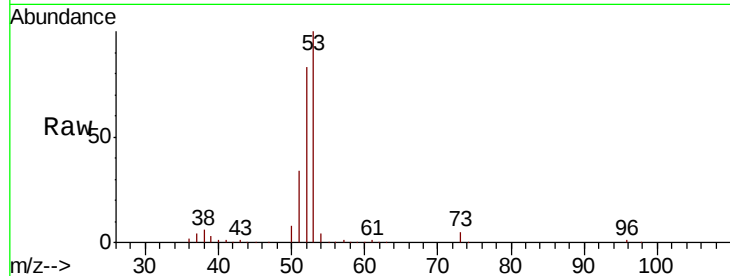
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	565774
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.8	98.8
51	35.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 259.503 ug/l

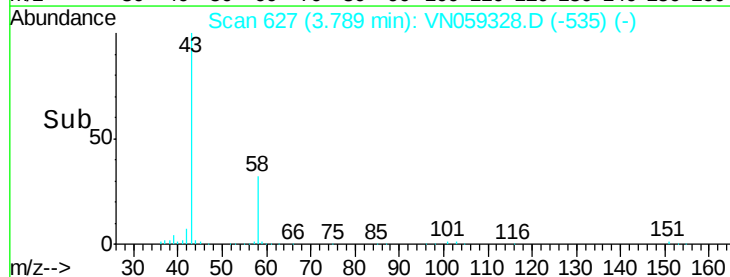
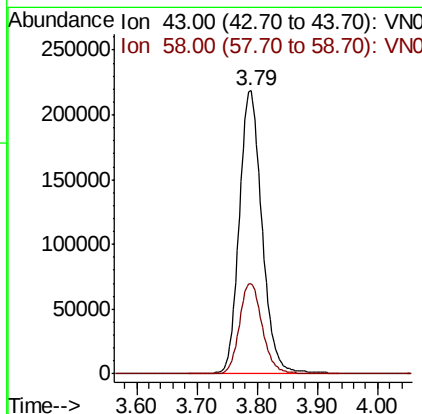
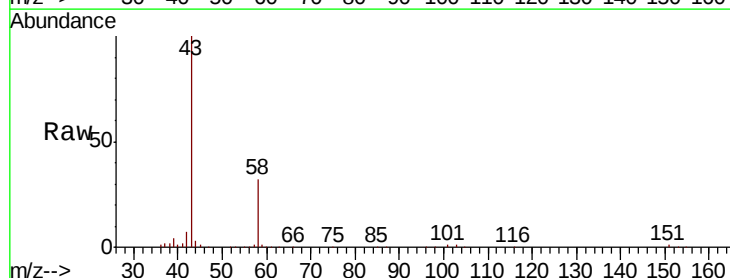
RT: 3.79 min Scan# 627

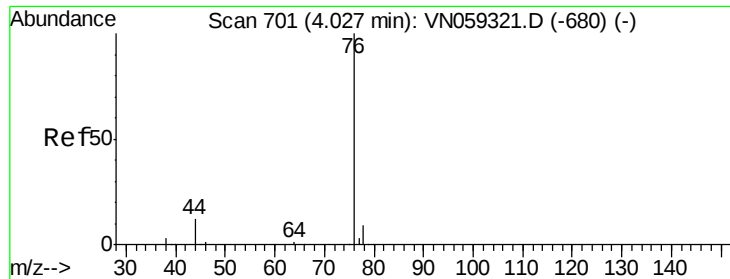
Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Tgt Ion:	43	Resp:	578998
Ion Ratio	Lower	Upper	
43	100		
58	32.0	25.8	38.6





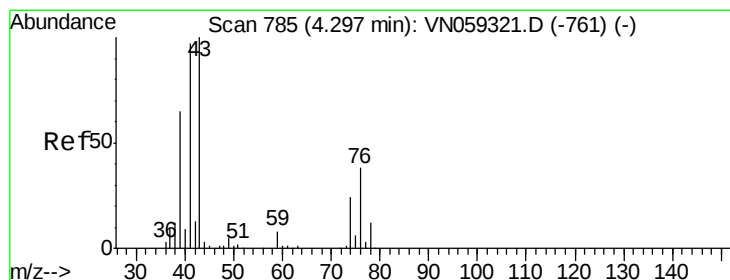
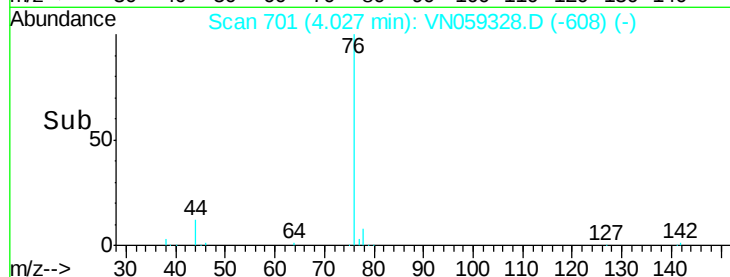
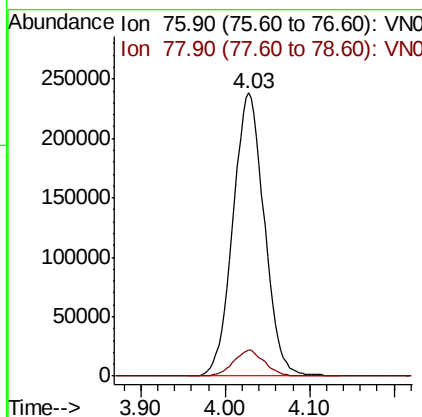
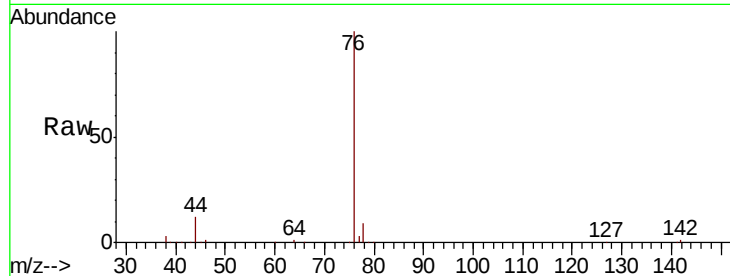
#17
Carbon Disulfide
Concen: 43.921 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

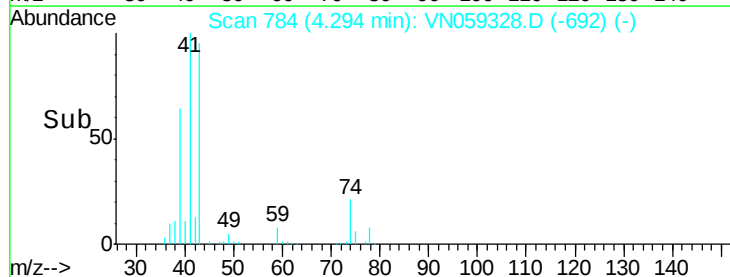
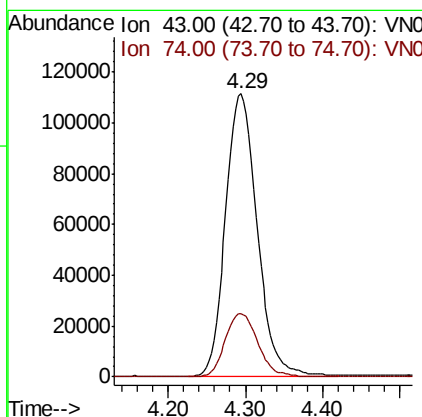
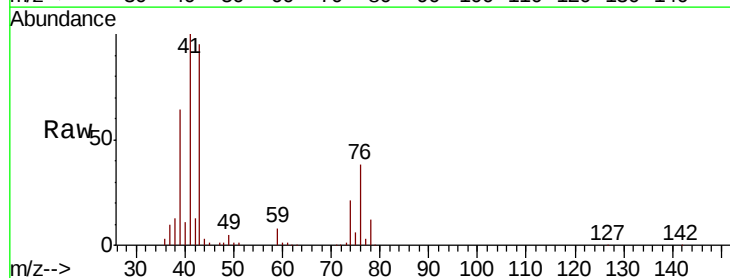
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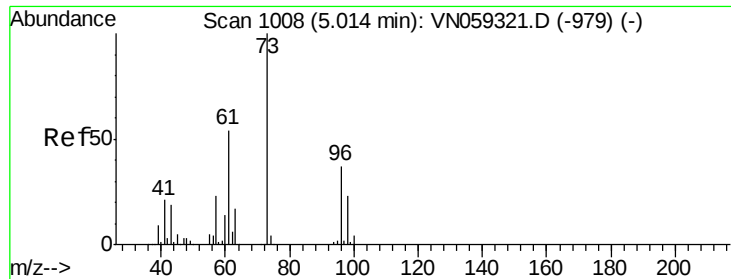
MMDadoda
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#18
Methyl Acetate
Concen: 42.617 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.1	27.1





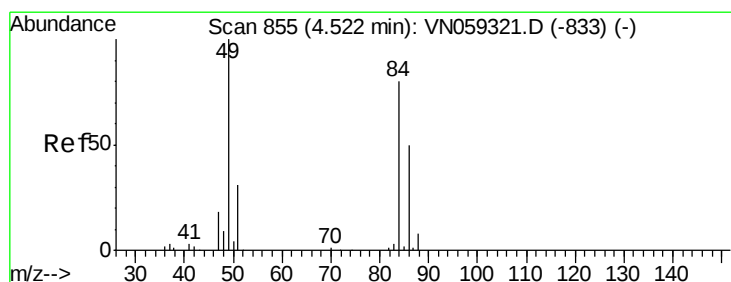
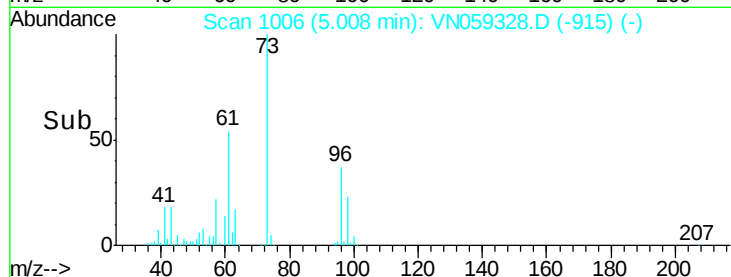
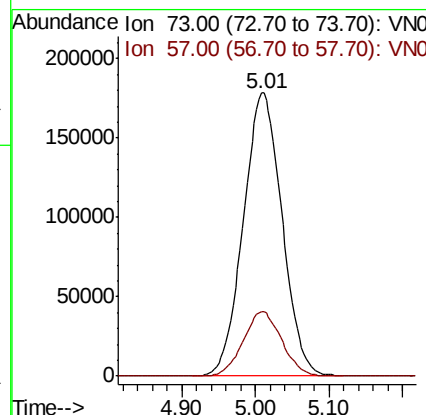
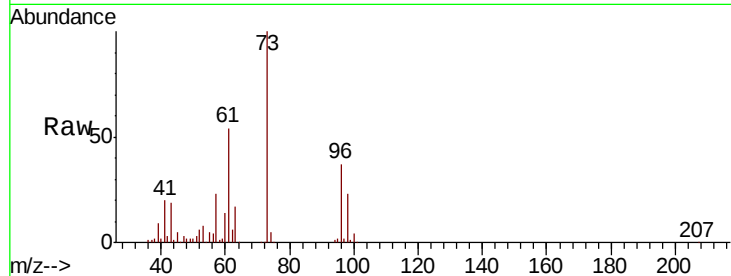
#19
Methvl tert-butvl Ether
Concen: 45.098 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 651990
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6

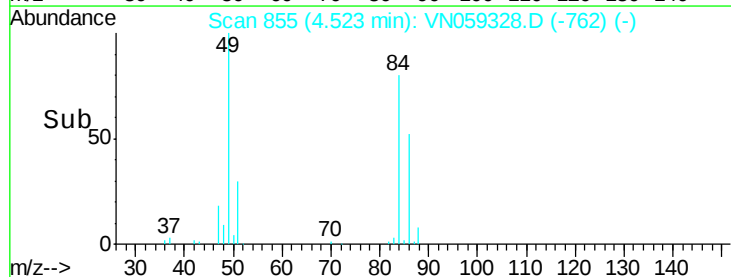
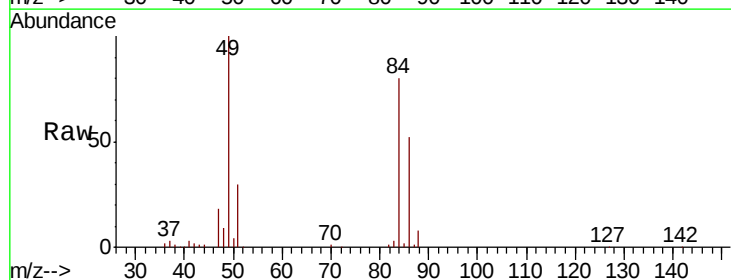
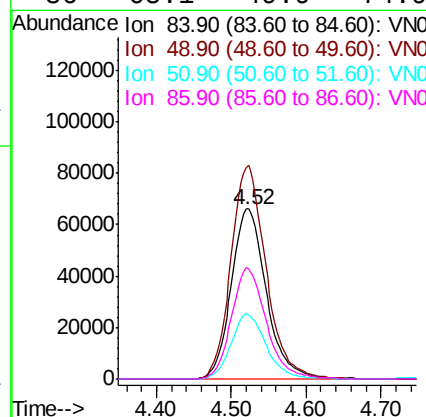
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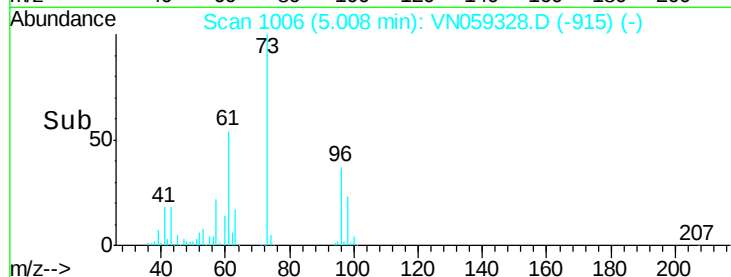
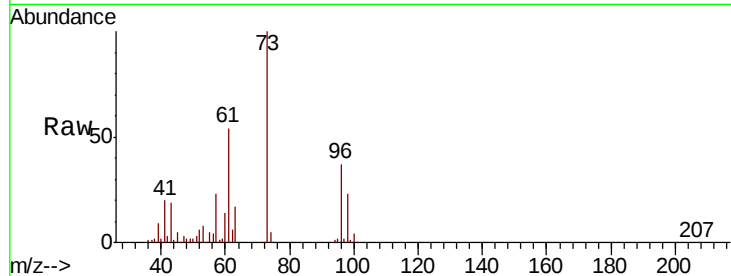
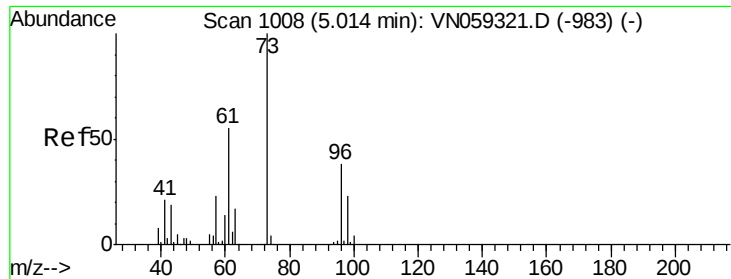
MMDadoda
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#20
Methylene Chloride
Concen: 42.857 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion: 84 Resp: 215662
Ion Ratio Lower Upper
84 100
49 125.6 99.5 149.3
51 37.7 31.1 46.7
86 65.1 49.9 74.9





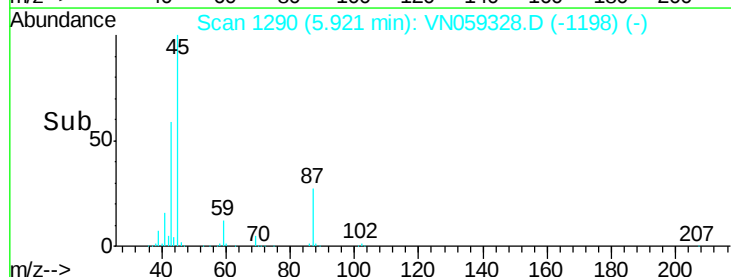
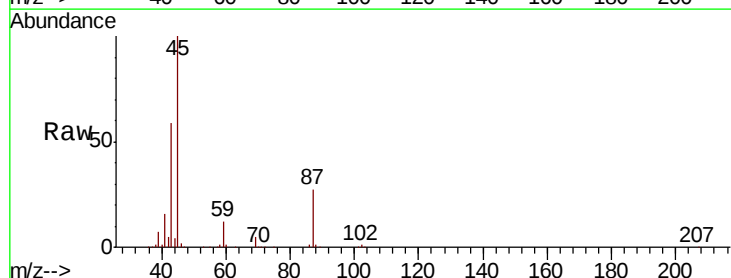
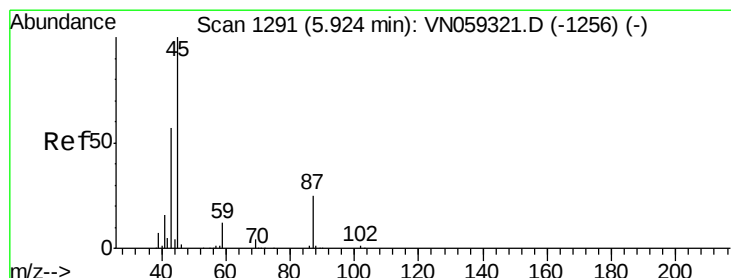
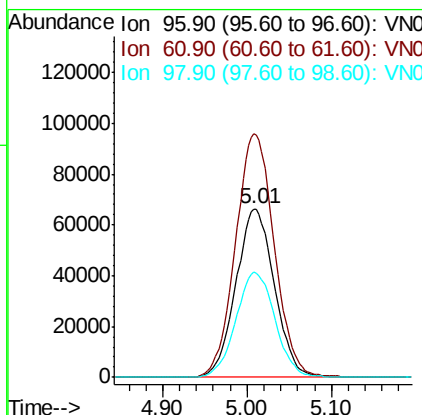
#21
trans-1,2-Dichloroethene
Concen: 44.446 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.6	116.4	174.6
98	62.3	49.6	74.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

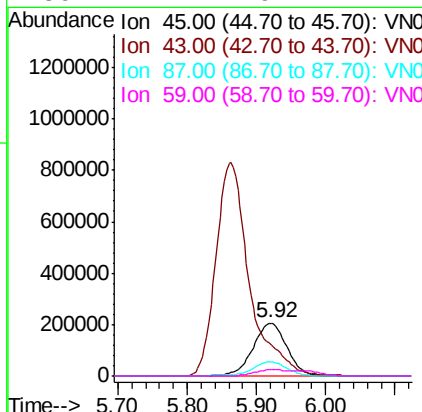
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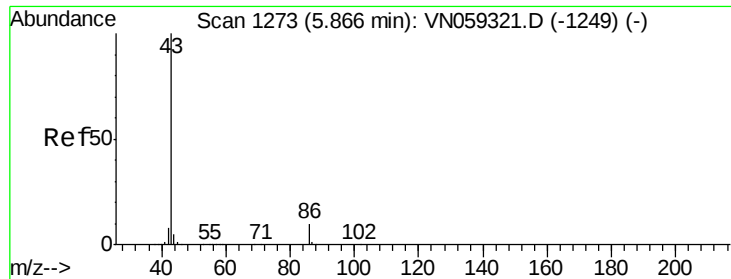
MMDadoda
11/22/2019 3:11:45 PM



#22
Diisopropyl ether
Concen: 44.333 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.9	47.6	71.4
87	27.0	20.7	31.1
59	11.4	9.4	14.2





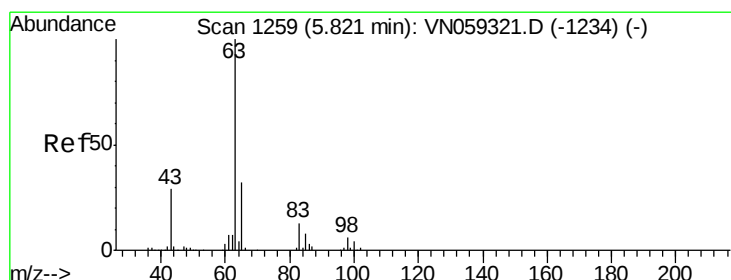
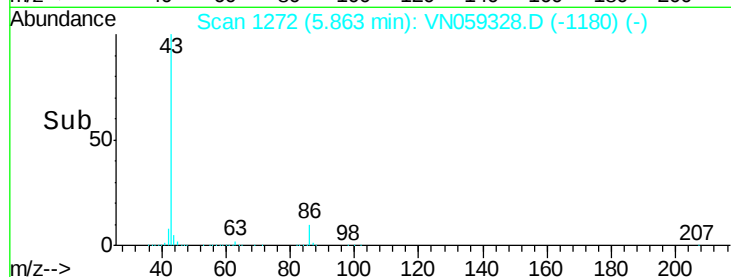
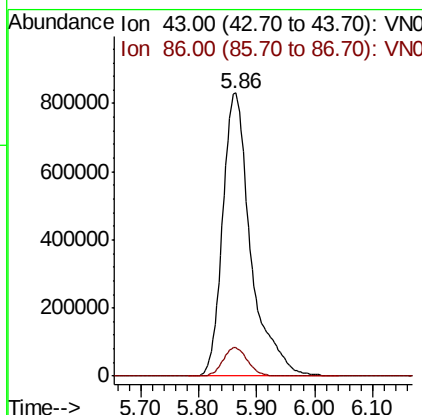
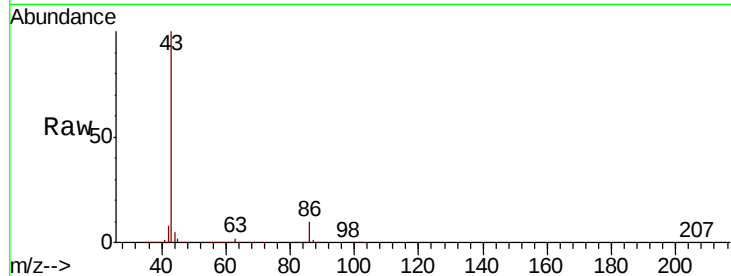
#23
 Vinyl Acetate
 Concen: 226.255 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2801160
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.0 12.0

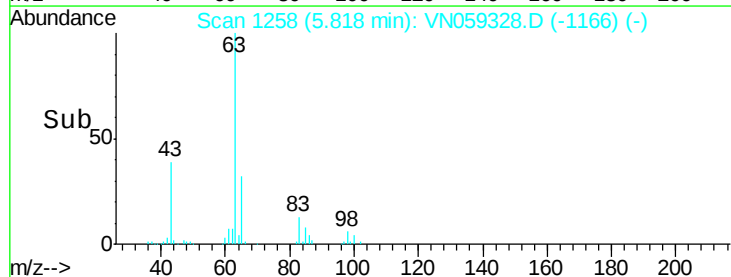
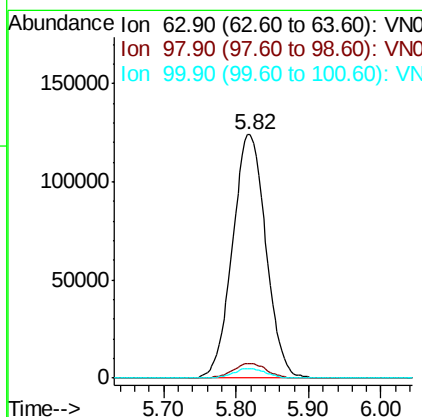
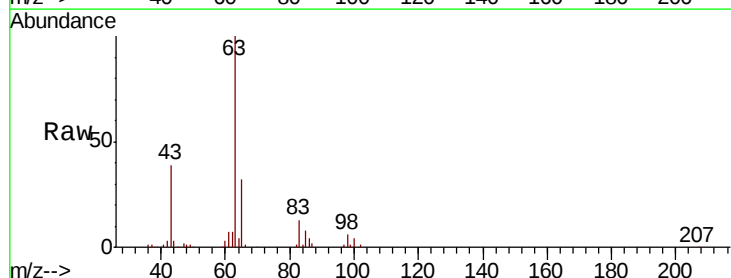
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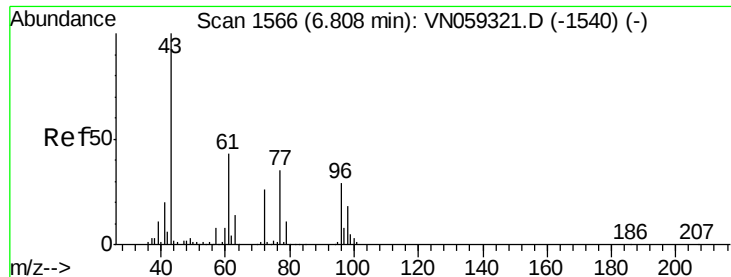
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 44.802 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Tgt Ion: 63 Resp: 397022
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.8
 100 3.6 1.9 5.7





#25

2-Butanone

Concen: 226.611 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 786221

Ion Ratio Lower Upper

43 100

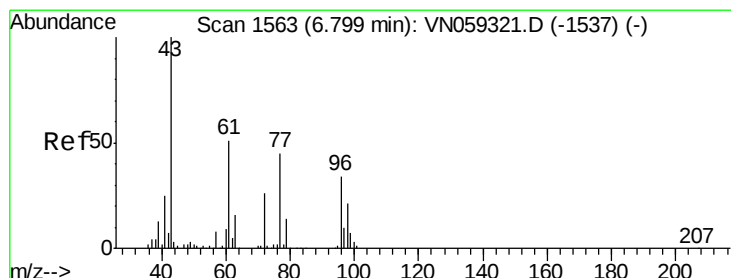
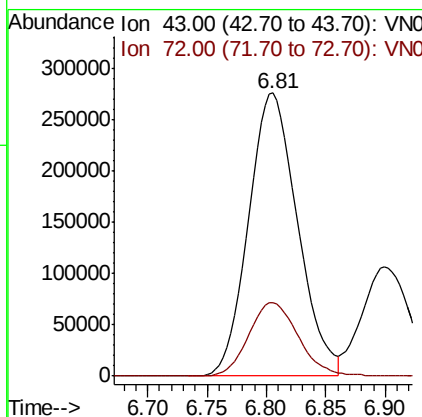
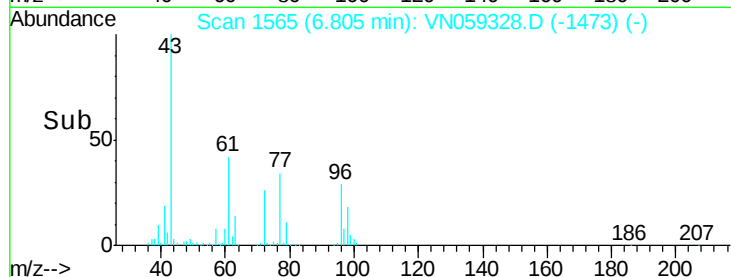
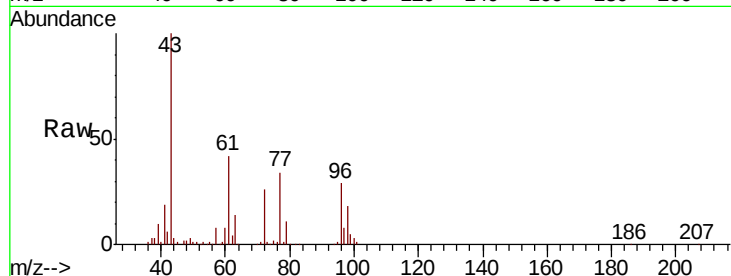
72 26.1 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.388 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059328.D

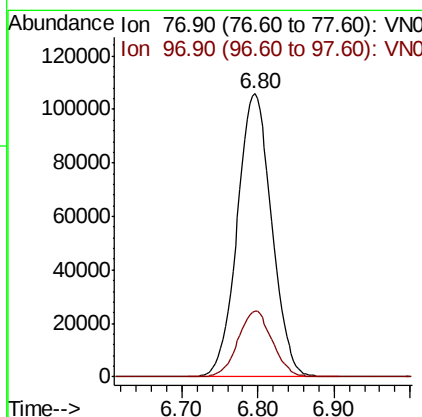
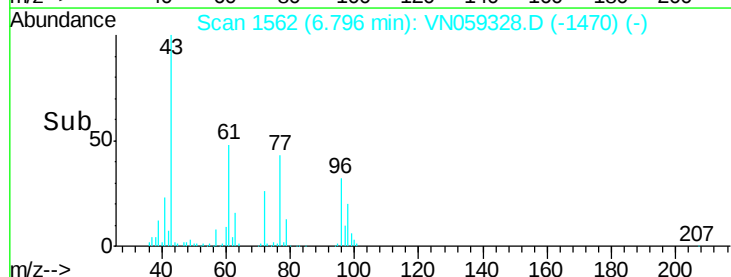
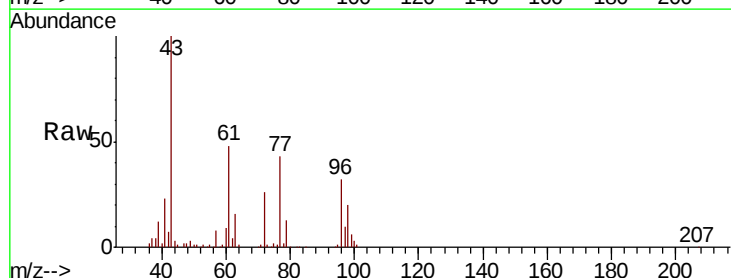
Acq: 21 Nov 2019 12:03

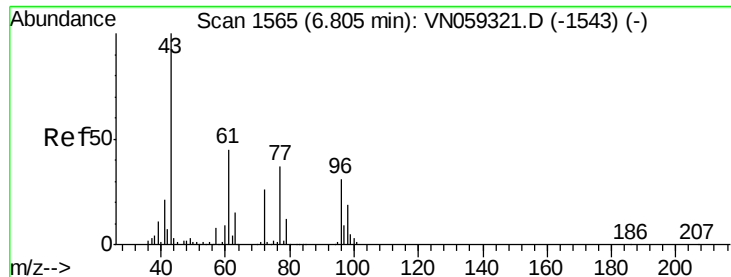
Tgt Ion: 77 Resp: 332928

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 44.371 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

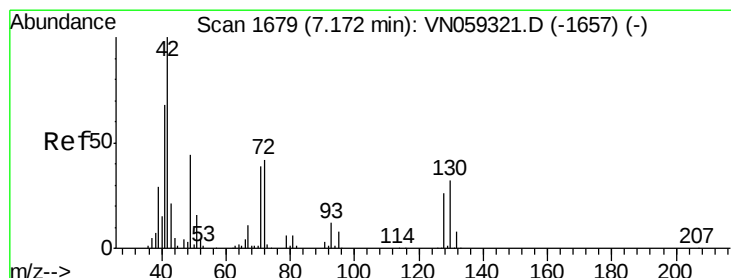
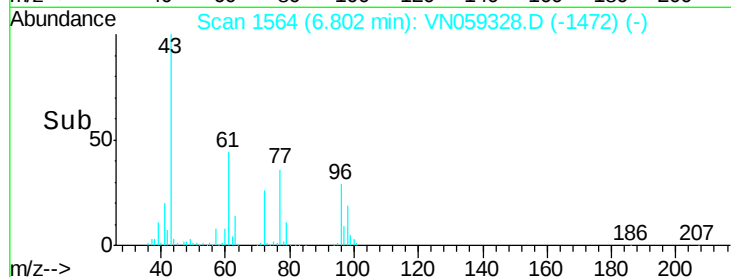
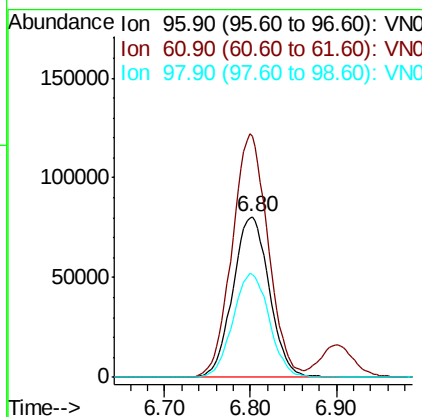
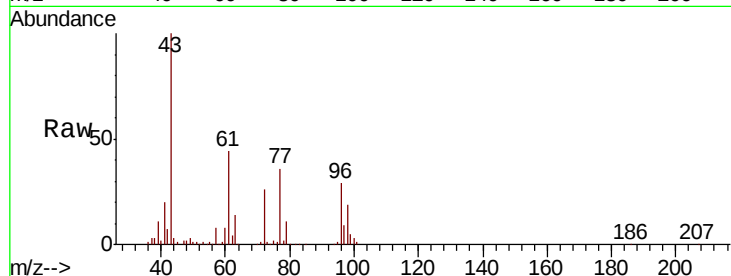
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	237485
Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	304.0
98	64.3	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 44.546 ug/l

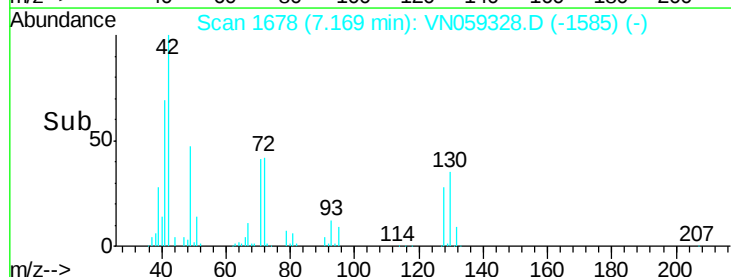
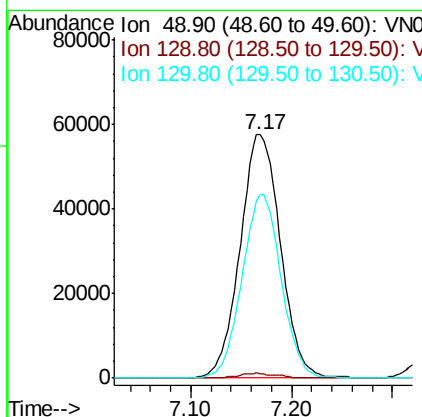
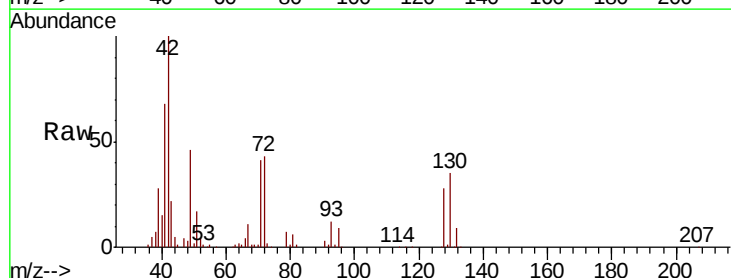
RT: 7.17 min Scan# 1678

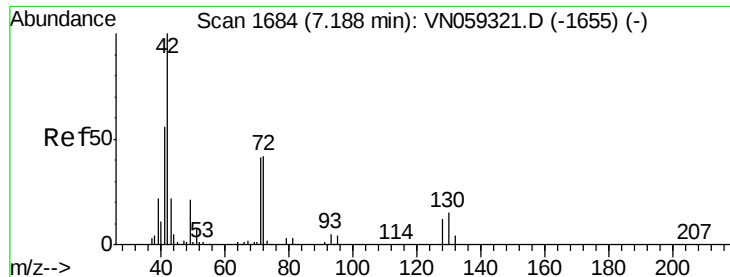
Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Tgt Ion:	49	Resp:	159827
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	73.0	57.0	85.6





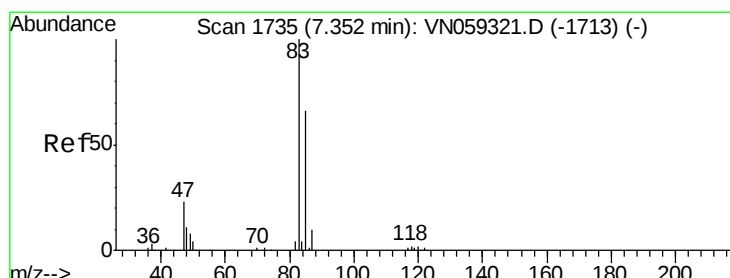
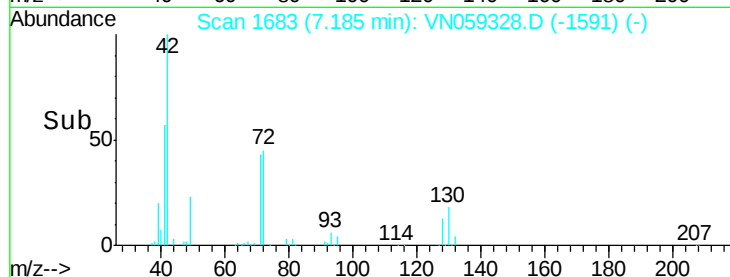
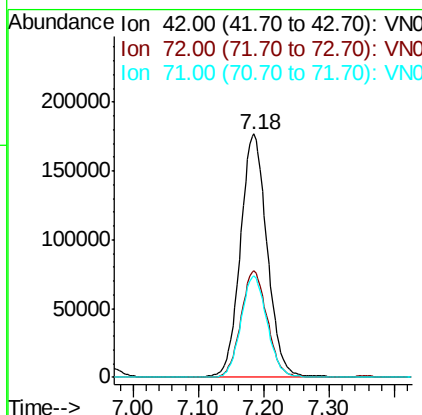
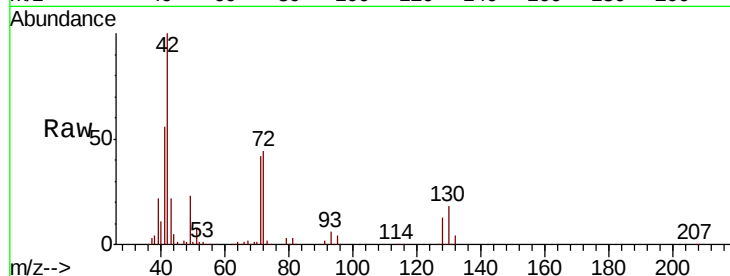
#29
Tetrahydrofuran
Concen: 208.943 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.2	51.2
71	40.9	32.6	48.8

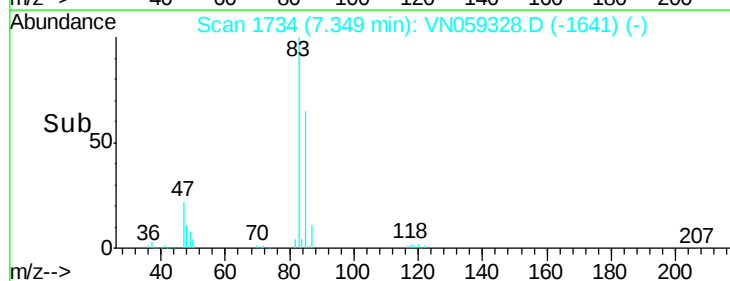
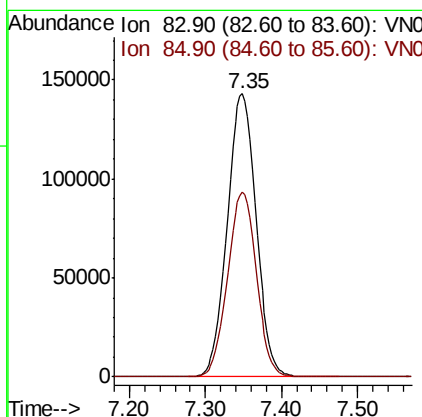
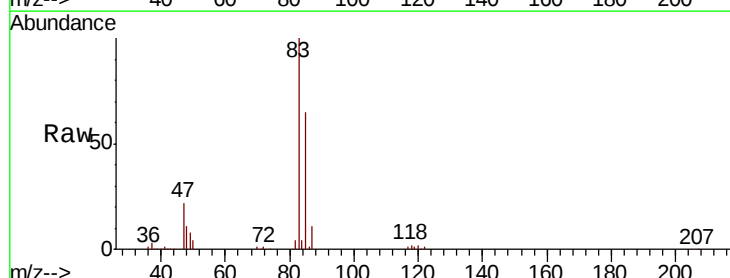
Manual Integrations
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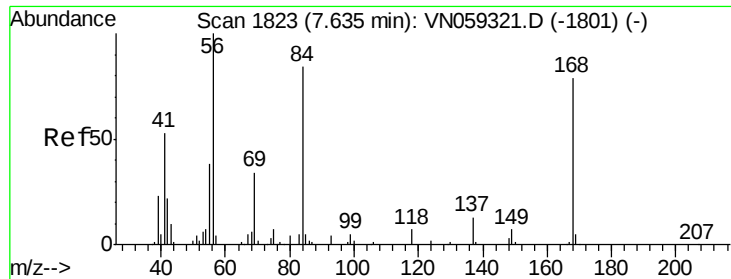
MMDadoda
11/22/2019 3:11:45 PM



#30
Chloroform
Concen: 44.099 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.7	79.1





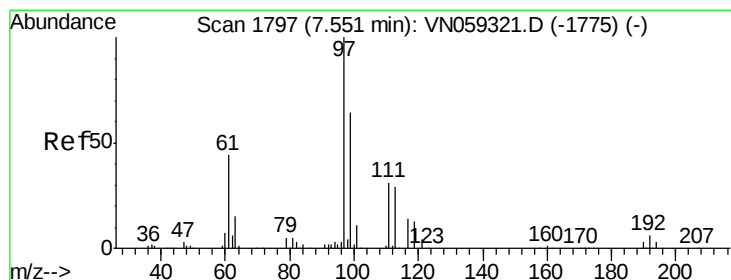
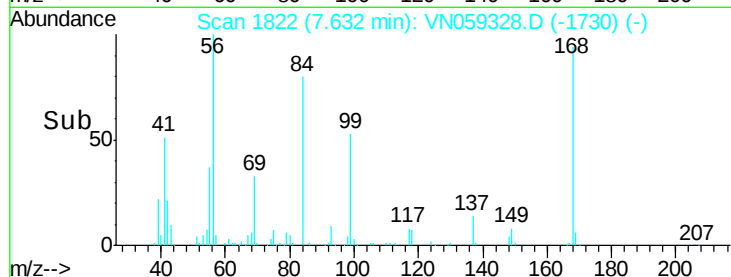
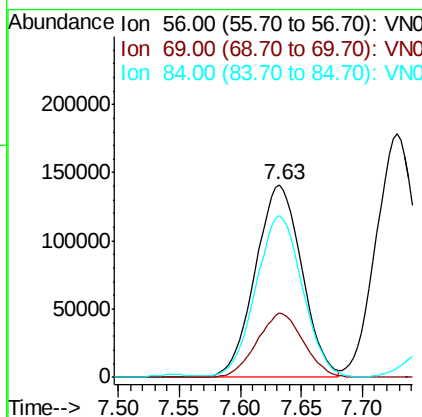
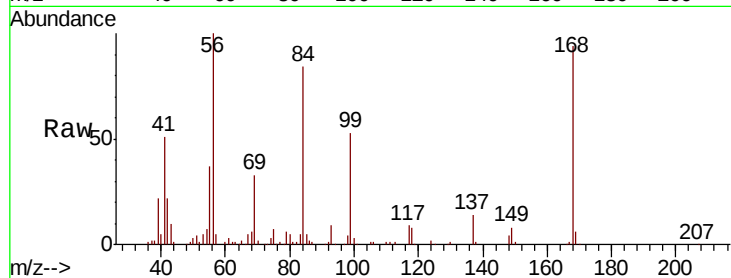
#31
Cyclohexane
Concen: 42.768 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.6	40.0
84	82.8	67.0	100.4

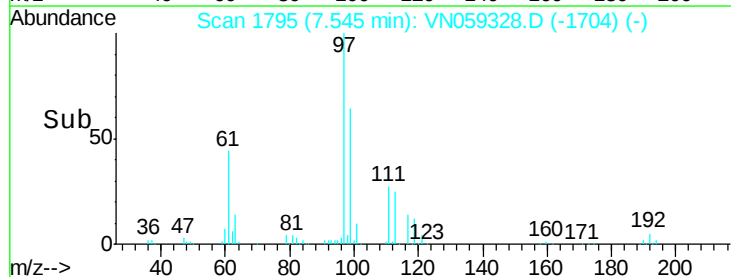
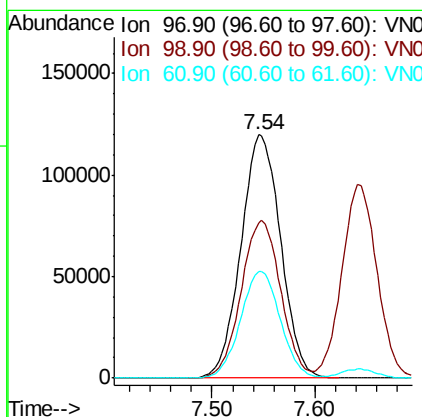
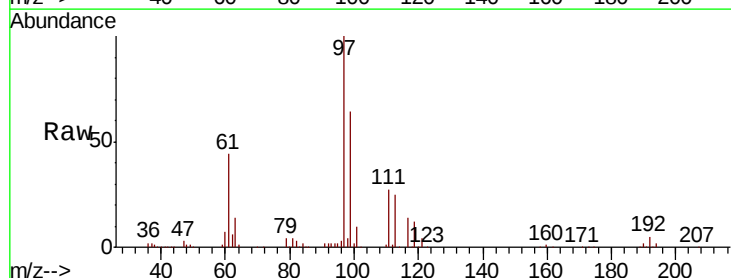
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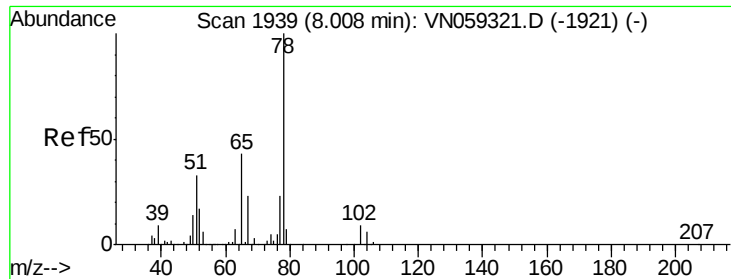
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 43.485 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.01 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	43.7	35.3	52.9





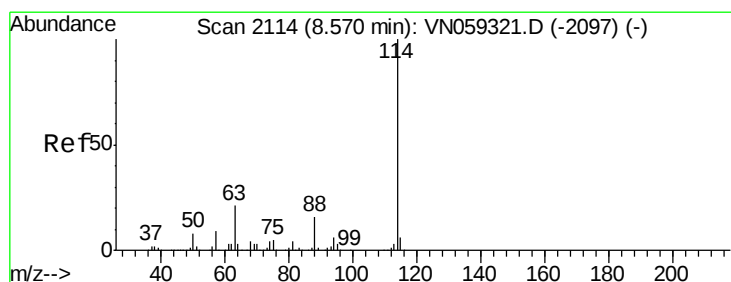
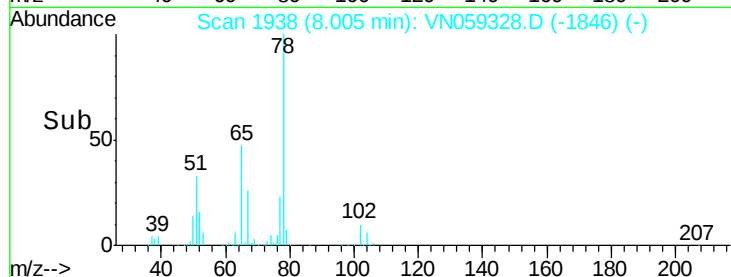
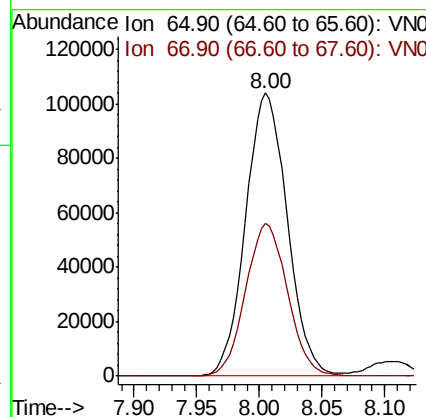
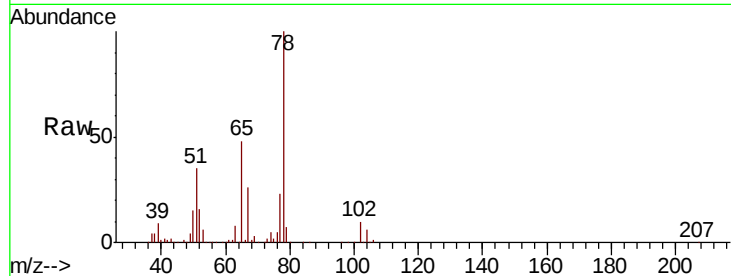
#33
 1,2-Dichloroethane-d4
 Concen: 48.505 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	241367		
67	54.2	0.0	109.4	

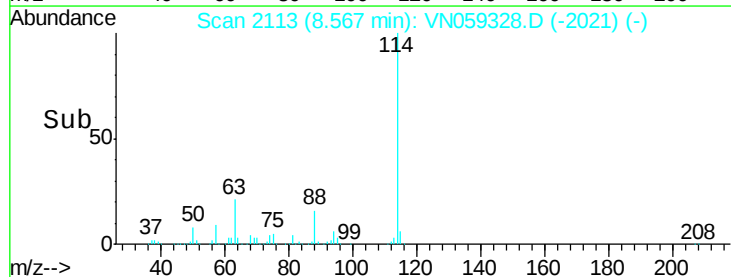
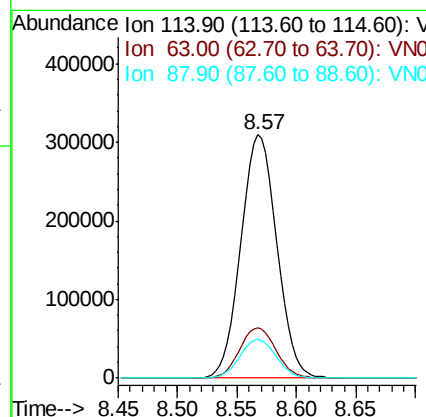
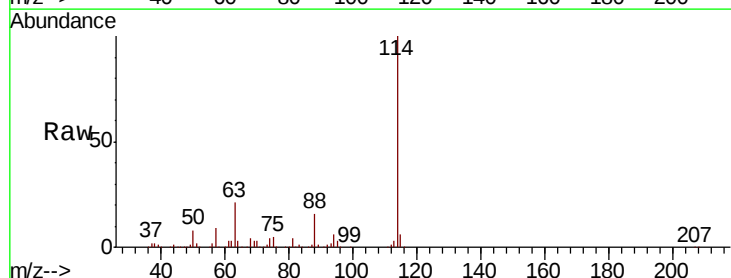
Manual Integrations
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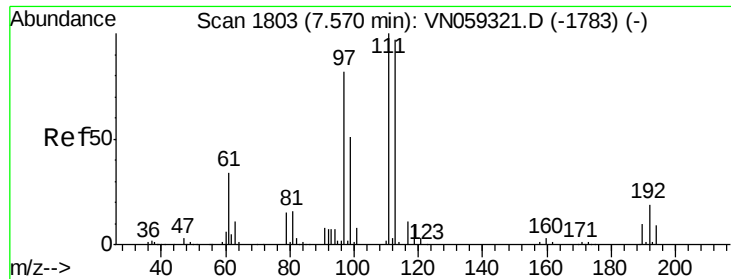
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	649140		
63	20.7	0.0	42.2	
88	15.9	0.0	32.2	





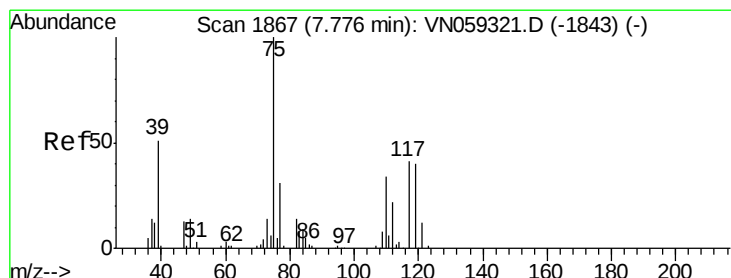
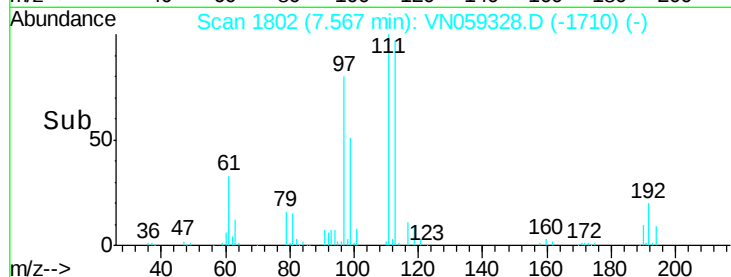
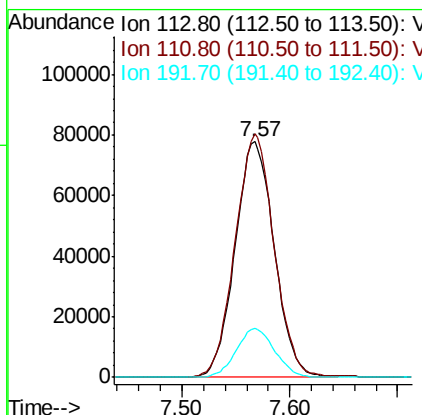
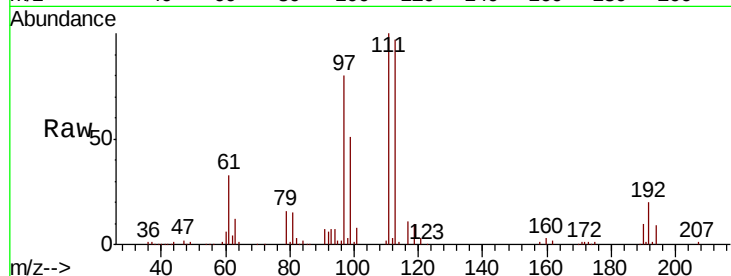
#35
Dibromofluoromethane
Concen: 50.345 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	196069		
111	103.2	82.7	124.1	
192	20.2	16.3	24.5	

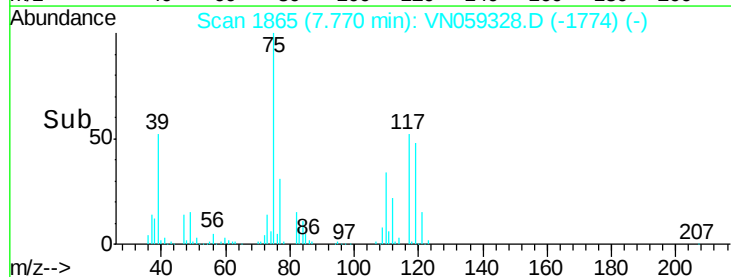
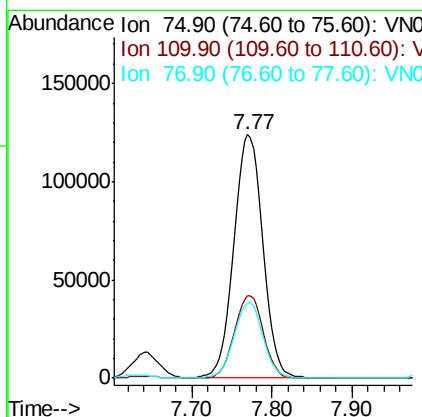
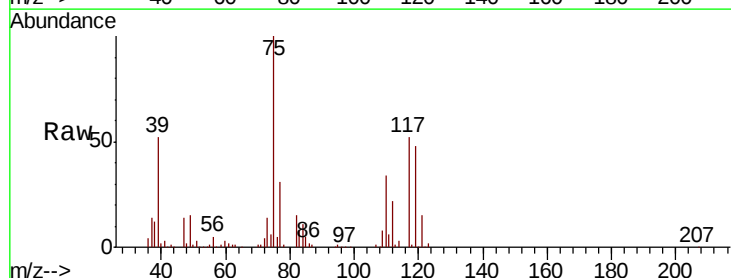
Manual Integrations
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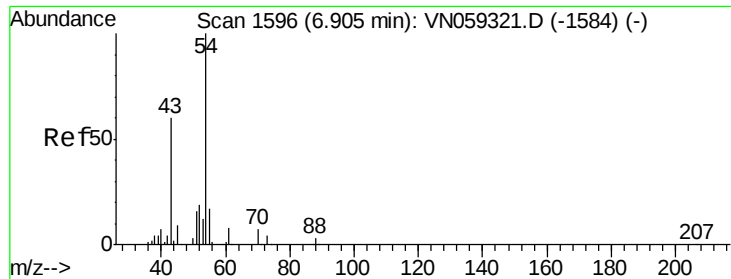
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#36
1,1-Dichloropropene
Concen: 45.220 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	303038		
110	33.7	17.0	51.0	
77	31.2	24.8	37.2	





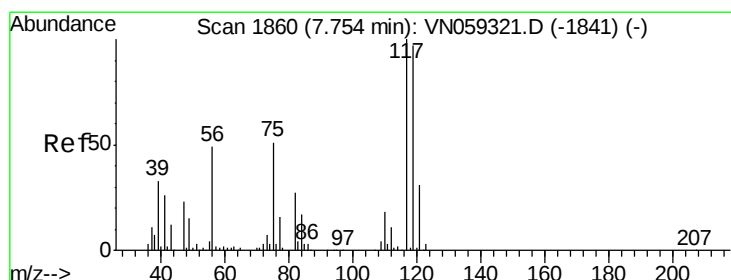
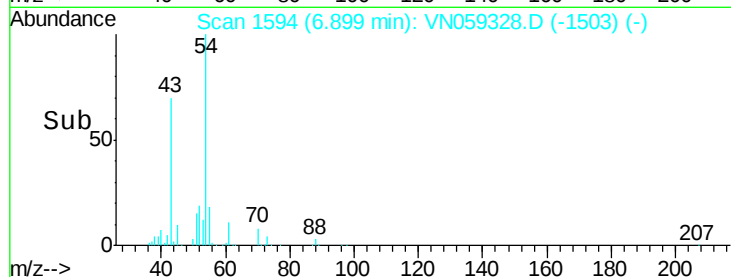
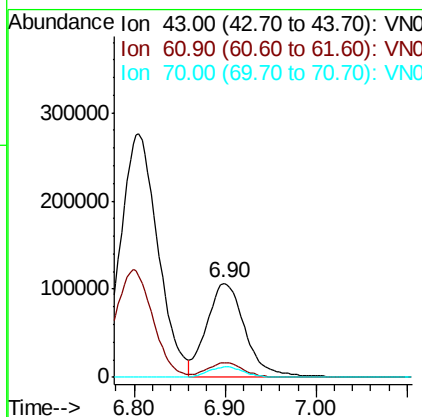
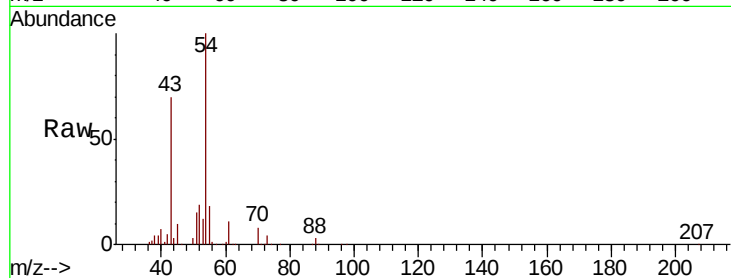
#37
Ethyl Acetate
Concen: 42.827 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.6
70	10.6	8.8	13.2

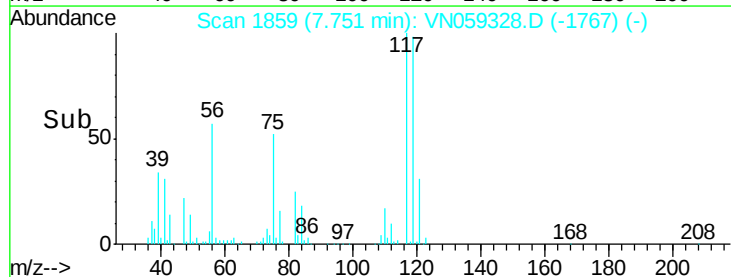
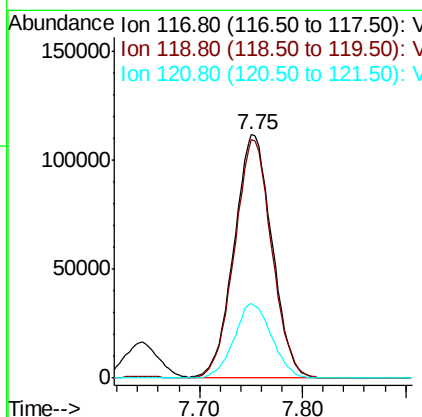
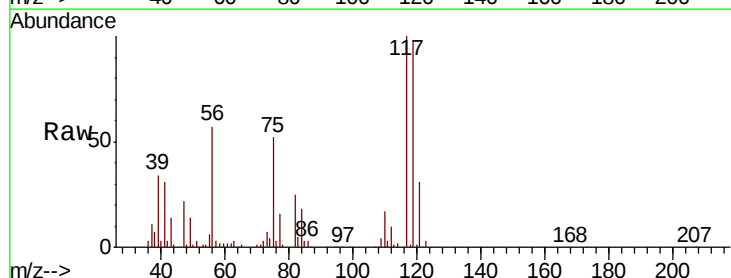
Manual Integrations
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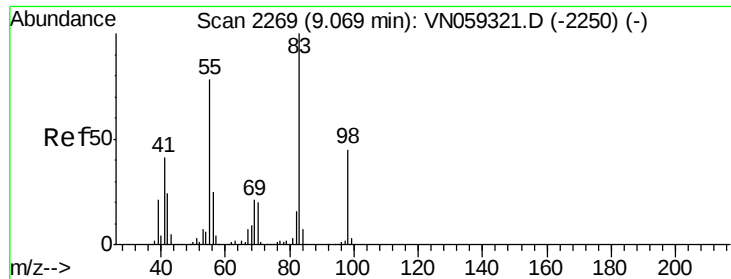
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#38
Carbon Tetrachloride
Concen: 44.282 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.0	115.4
121	30.6	24.4	36.6





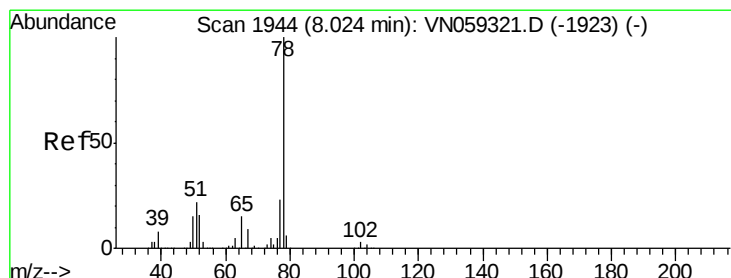
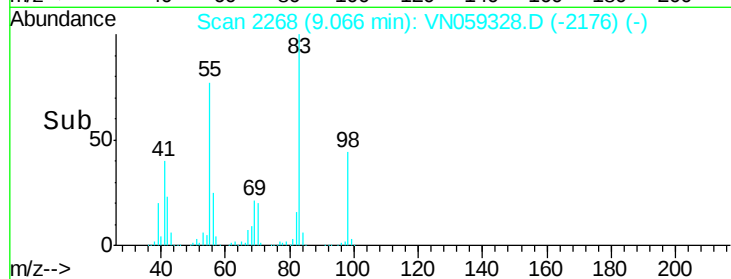
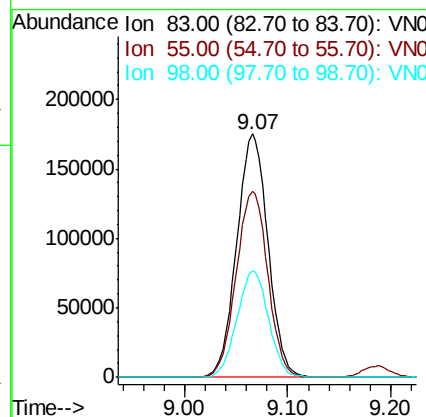
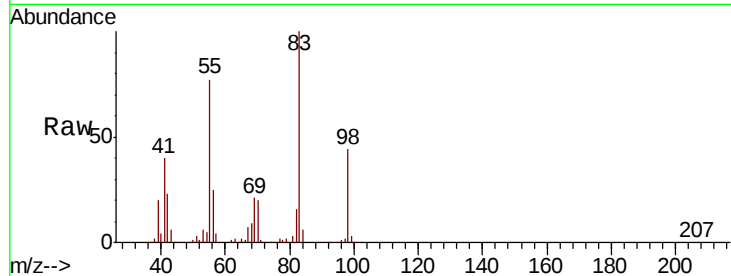
#39
Methvlcvclohexane
Concen: 45.720 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	62.3	93.5
98	43.7	36.0	54.0

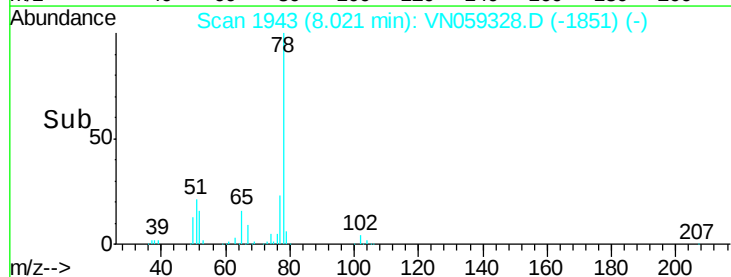
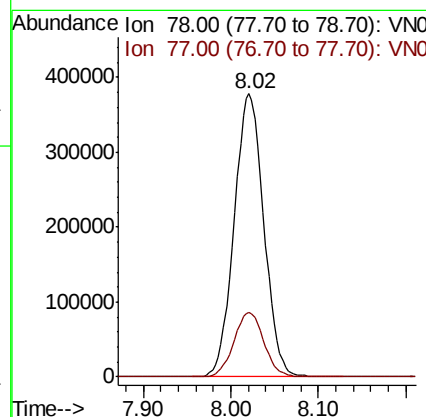
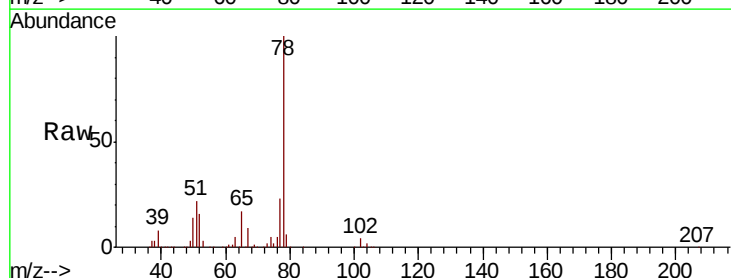
Manual Integrations
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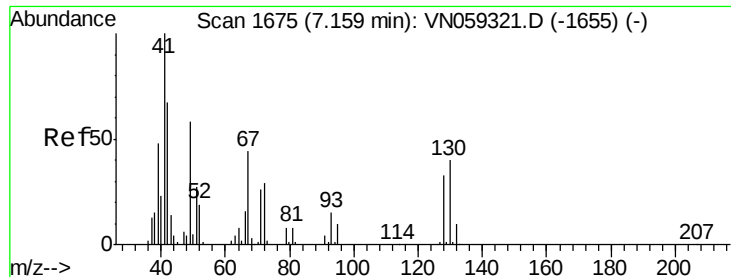
MMDadoda
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#40
Benzene
Concen: 45.137 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6





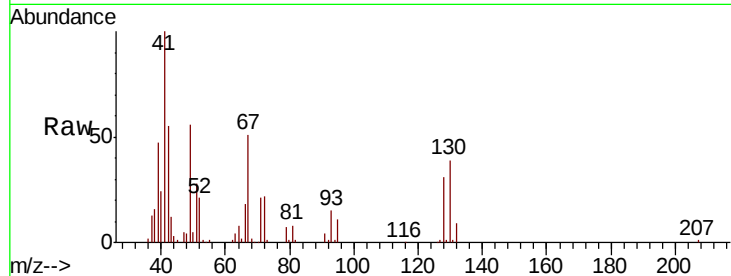
#41
Methacrylonitrile
Concen: 43.604 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

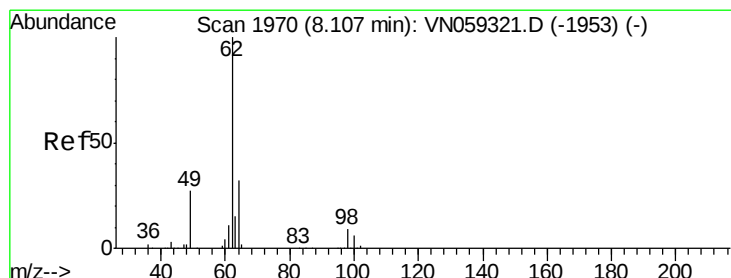
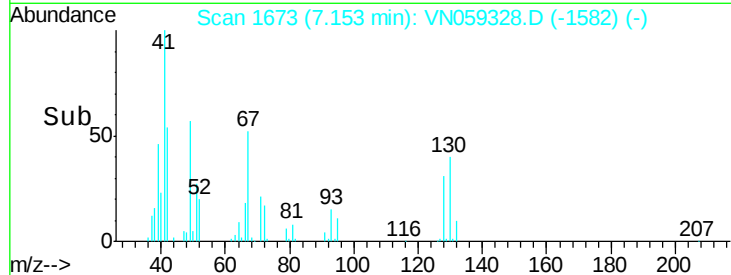
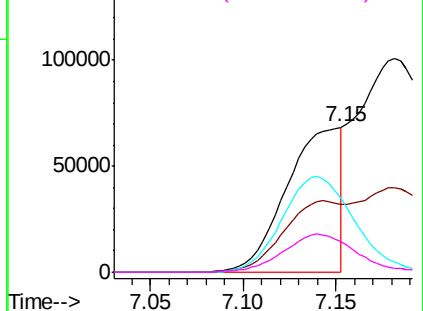
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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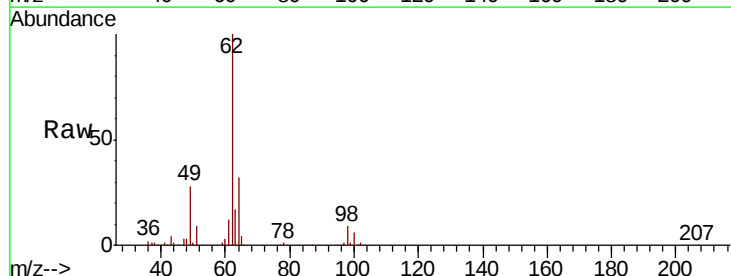


Abundance Ion 41.00 (40.70 to 41.70): VN059328.D (-1582) (-)
Ion 39.00 (38.70 to 39.70): VN059328.D (-1582) (-)
Ion 67.00 (66.70 to 67.70): VN059328.D (-1582) (-)
Ion 52.00 (51.70 to 52.70): VN059328.D (-1582) (-)

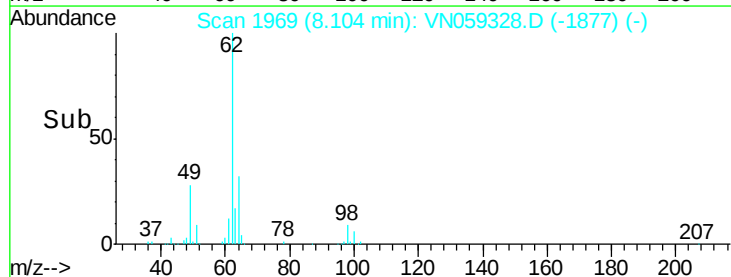
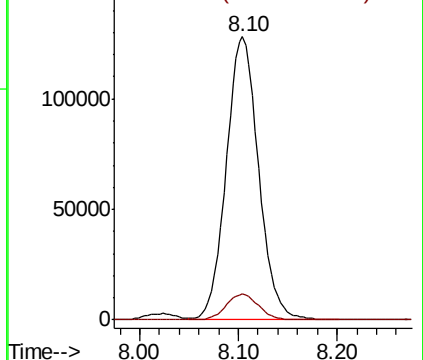


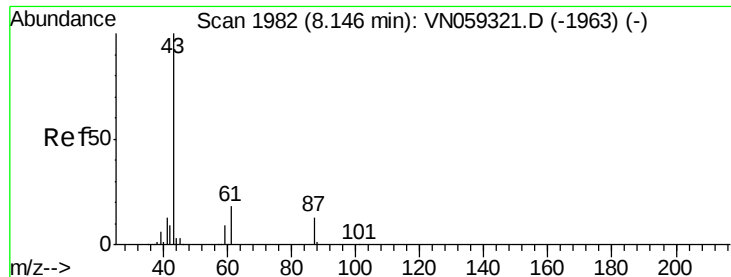
#42
1,2-Dichloroethane
Concen: 44.923 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VN059328.D (-1877) (-)
Ion 97.90 (97.60 to 98.60): VN059328.D (-1877) (-)





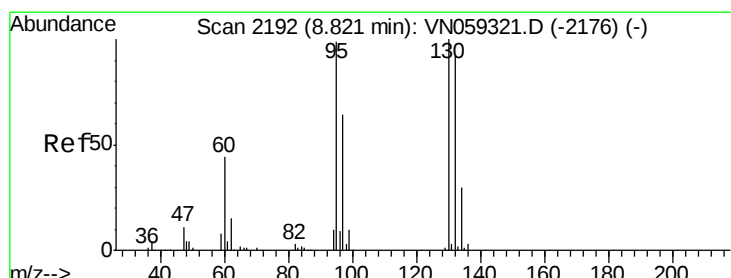
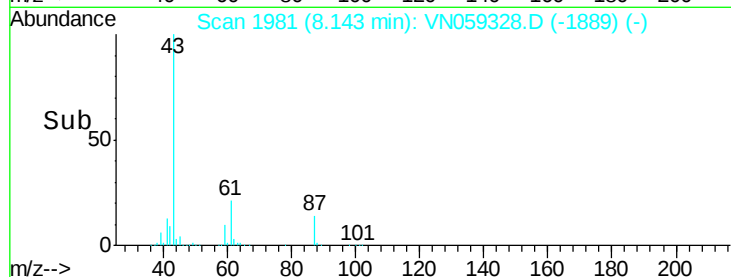
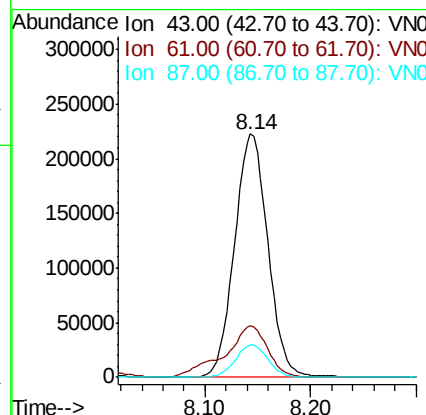
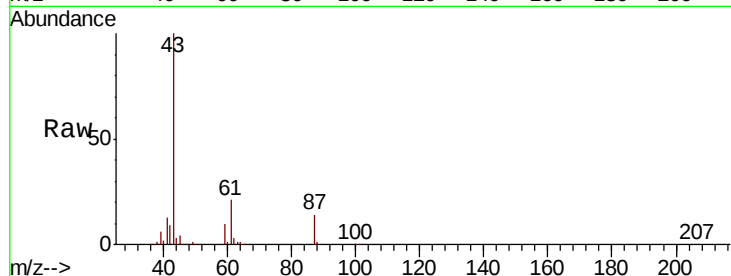
#43
Isopropyl Acetate
Concen: 44.128 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.7	32.5
87	13.2	10.2	15.4

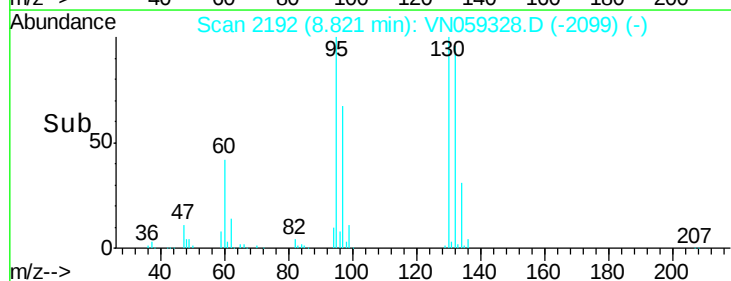
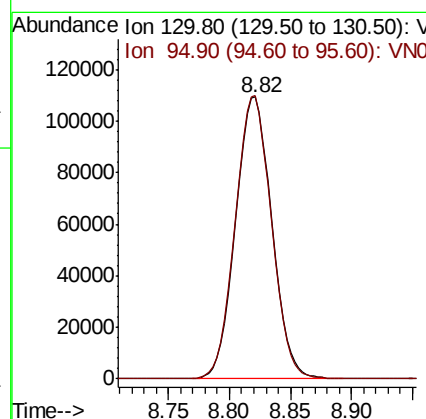
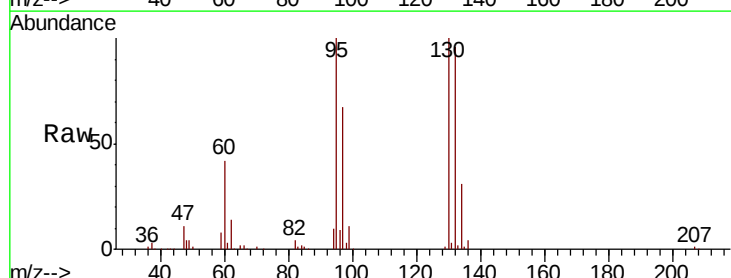
Manual Integrations
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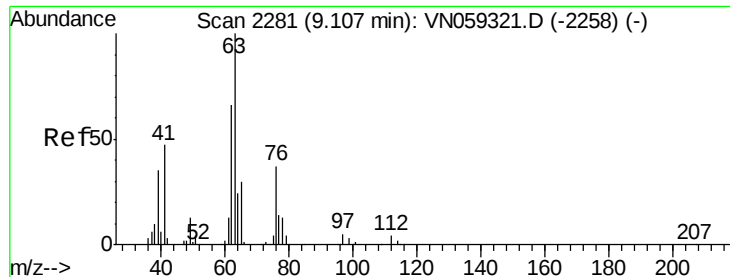
MMDadoda
11/22/2019 3:11:45 PM



#44
Trichloroethene
Concen: 45.198 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	198.4





#45

1,2-Dichloropropane

Concen: 45.284 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 237503

Ion Ratio Lower Upper

63 100

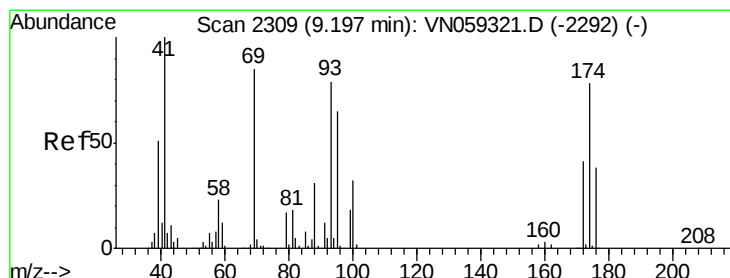
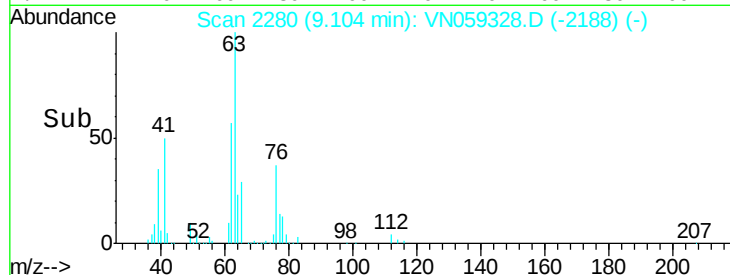
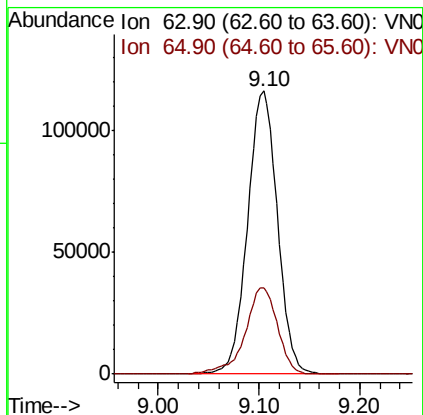
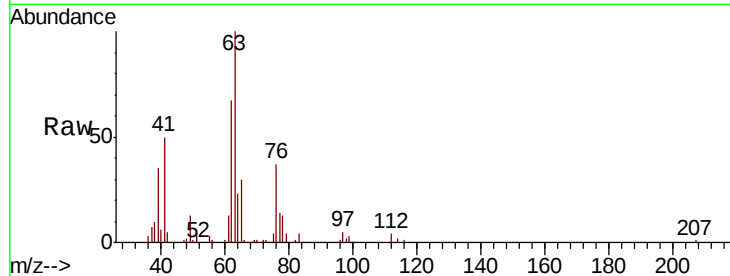
65 30.4 23.9 35.9

Manual Integrations

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#46

Dibromomethane

Concen: 45.285 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

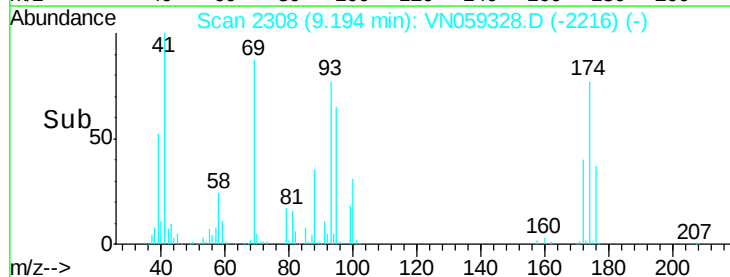
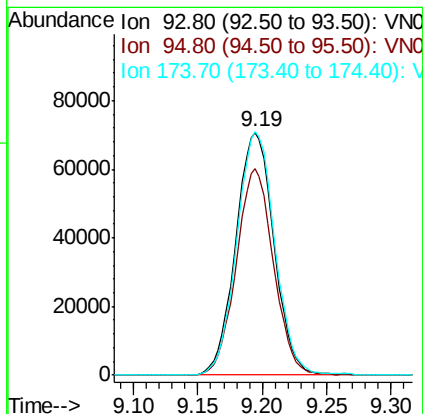
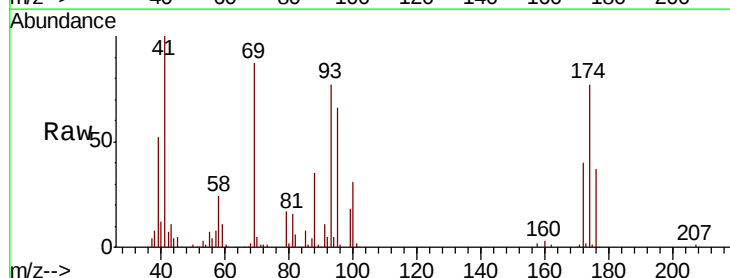
Tgt Ion: 93 Resp: 145682

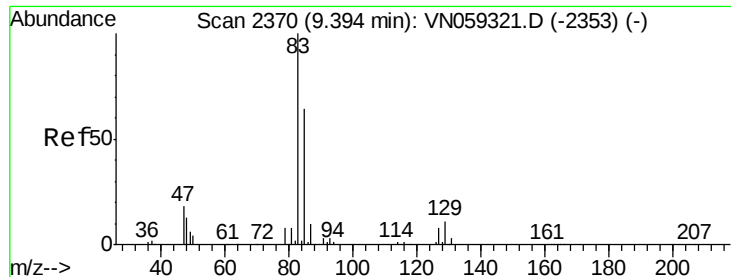
Ion Ratio Lower Upper

93 100

95 83.0 66.9 100.3

174 100.1 80.6 120.8





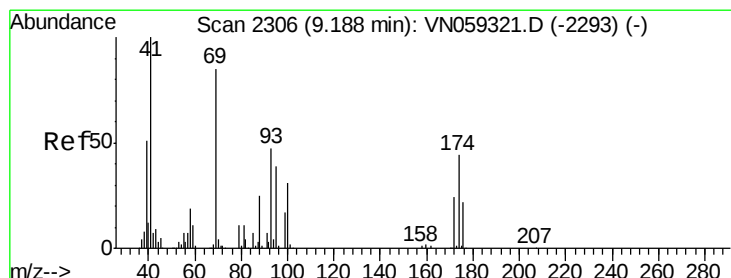
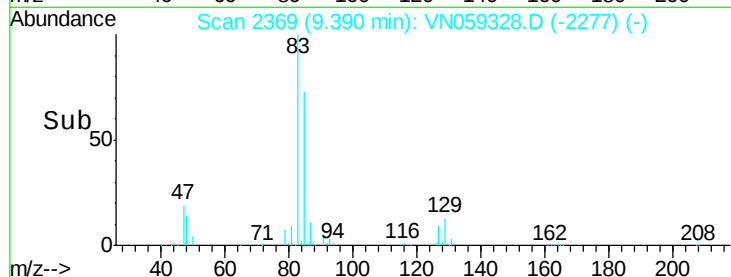
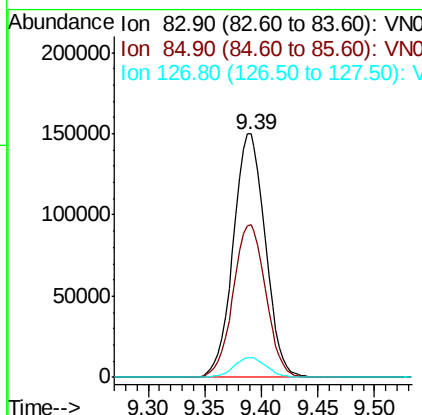
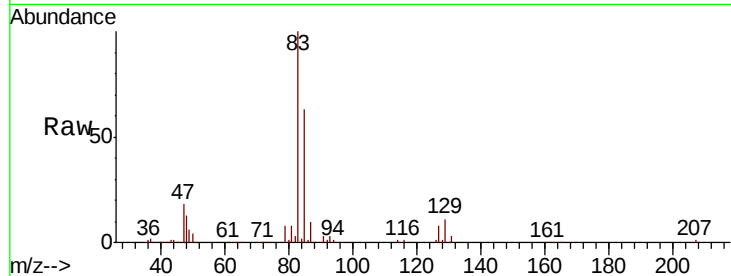
#47
Bromodichloromethane
Concen: 45.967 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	296157		
85	62.9		51.5	77.3
127	8.1		6.6	10.0

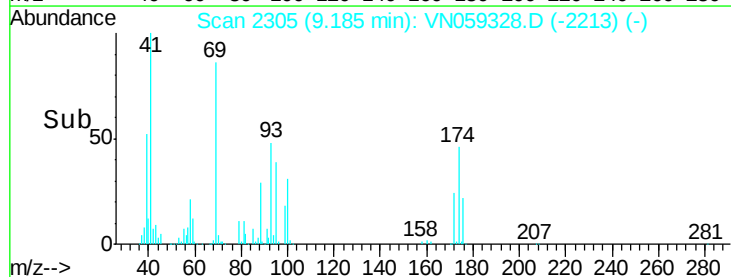
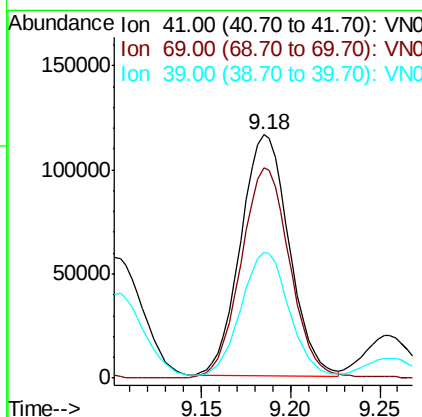
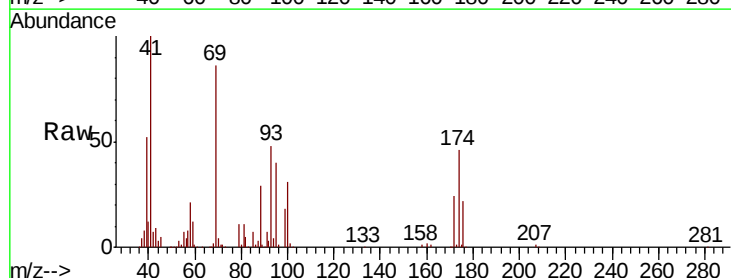
Manual Integrations
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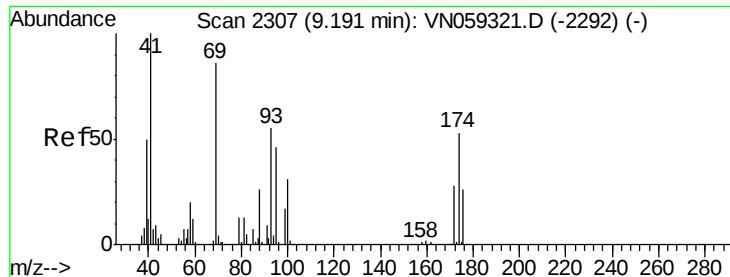
MMDadoda
11/22/2019 3:11:45 PM



#48
Methyl methacrylate
Concen: 43.902 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	219743		
69	88.3		68.8	103.2
39	52.4		42.1	63.1





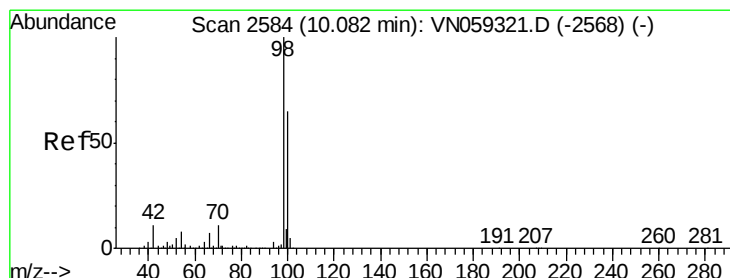
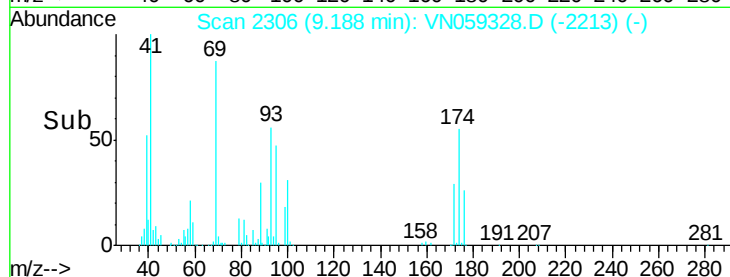
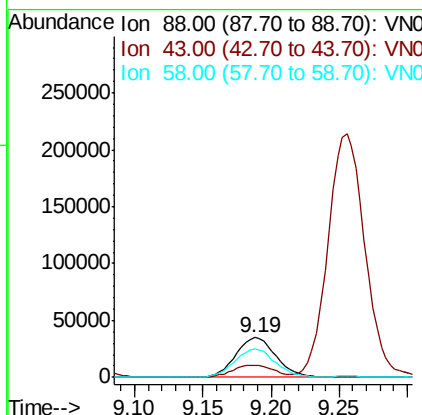
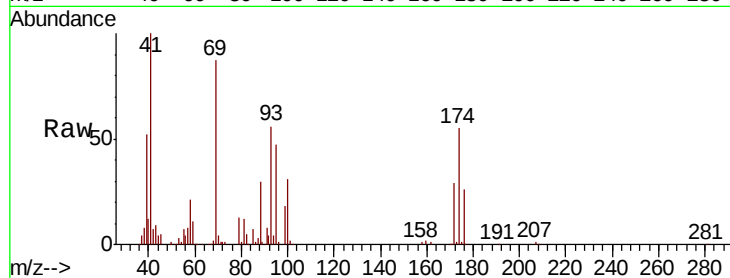
#49
1,4-Dioxane
Concen: 966.425 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	26.9	40.3
58	71.2	59.2	88.8

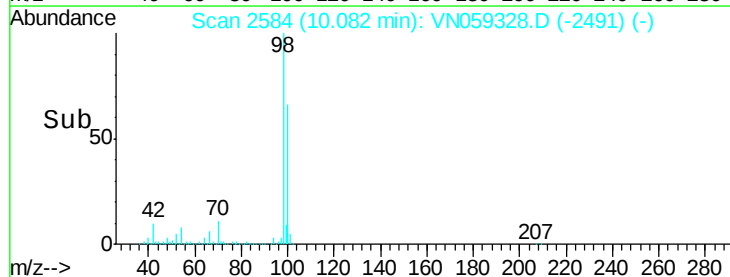
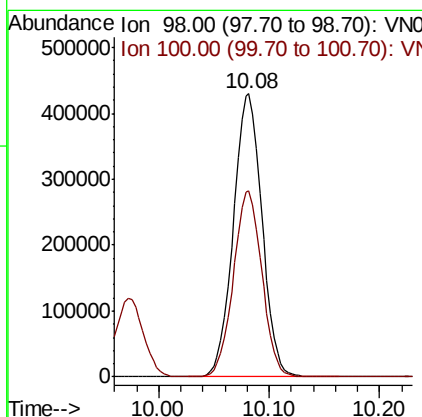
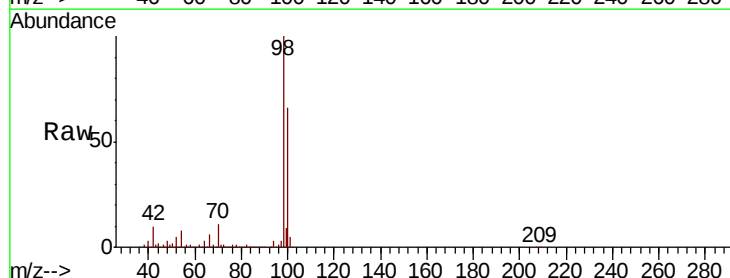
Manual Integrations
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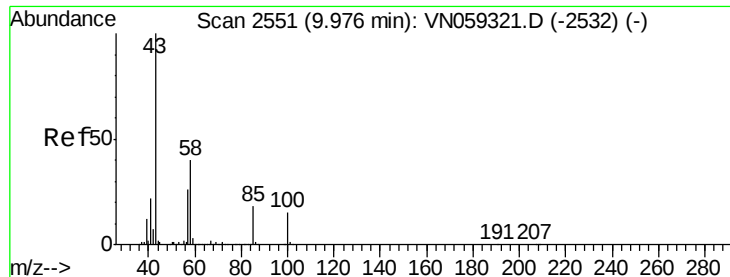
MMDadoda
11/22/2019 3:11:45 PM



#50
Toluene-d8
Concen: 49.947 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 227.717 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1467093

Ion Ratio Lower Upper

43 100

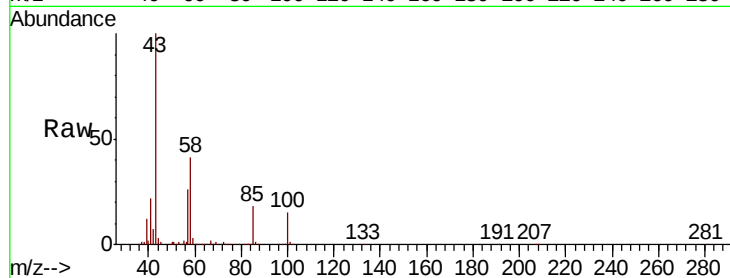
58 40.6 31.8 47.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

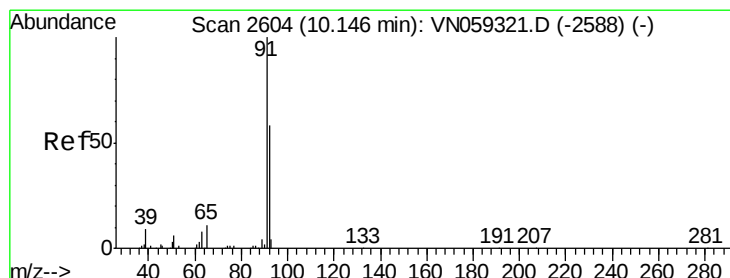
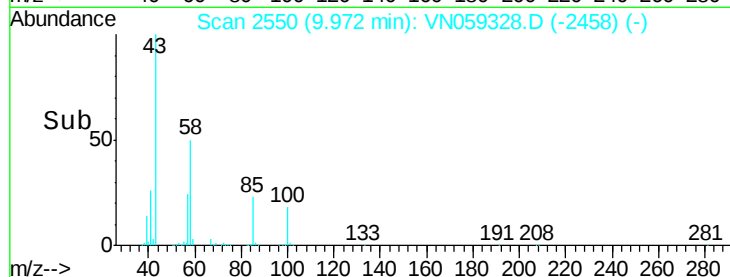
400000

200000

0

9.90 9.97 10.00

Time-->



#52

Toluene

Concen: 45.426 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059328.D

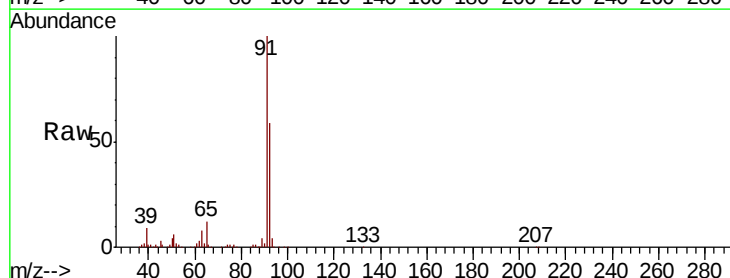
Acq: 21 Nov 2019 12:03

Tgt Ion: 92 Resp: 537232

Ion Ratio Lower Upper

92 100

91 170.9 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

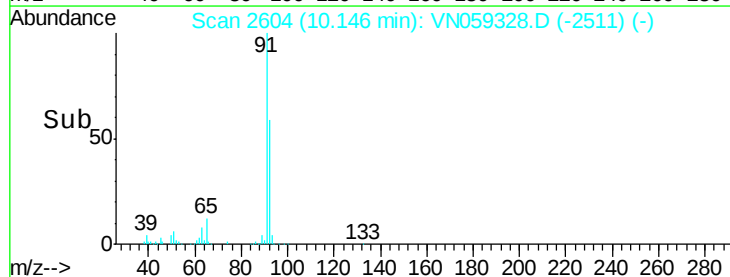
200000

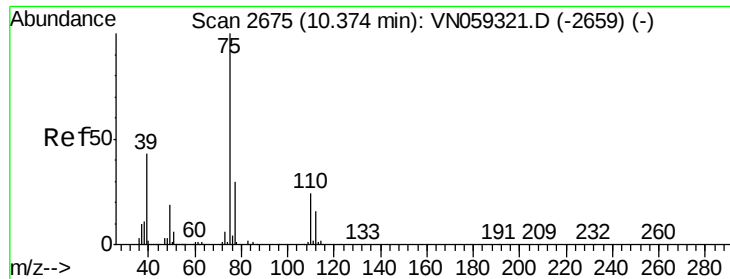
100000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 45.449 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 340393

Ion Ratio Lower Upper

75 100

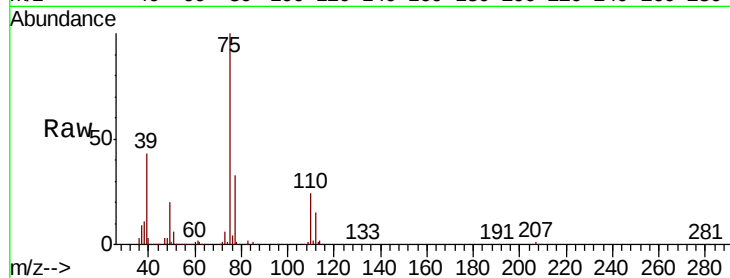
77 32.8 25.5 38.3

Manual Integrations

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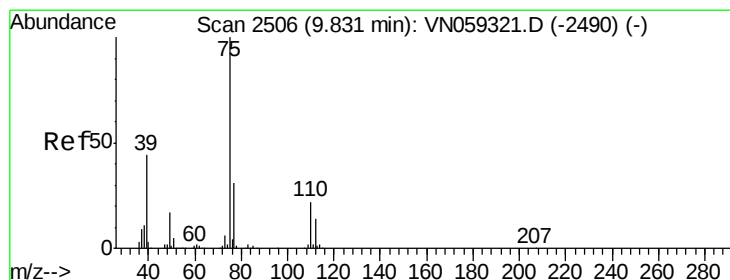
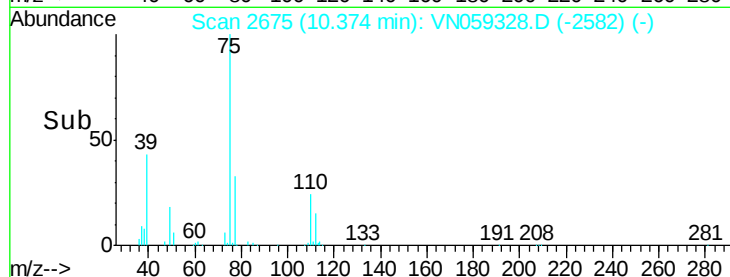
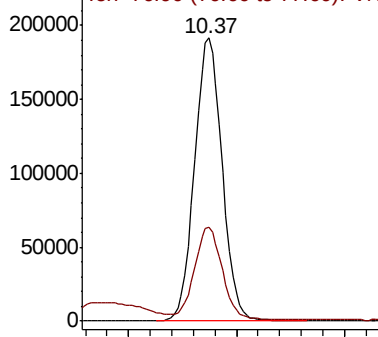
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 46.398 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

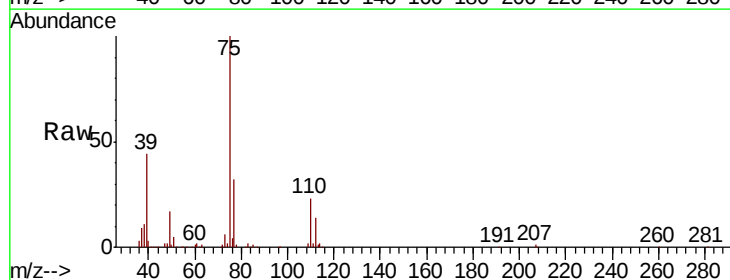
Tgt Ion: 75 Resp: 377080

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4

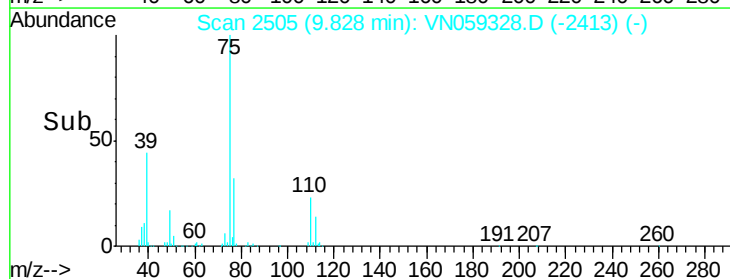
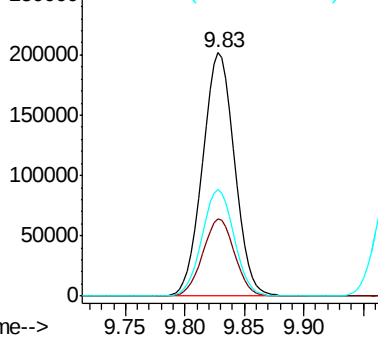
39 43.7 35.5 53.3

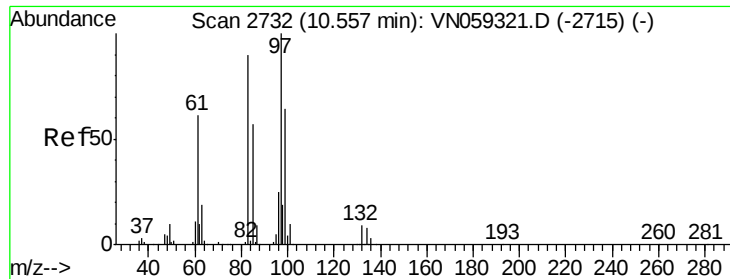


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





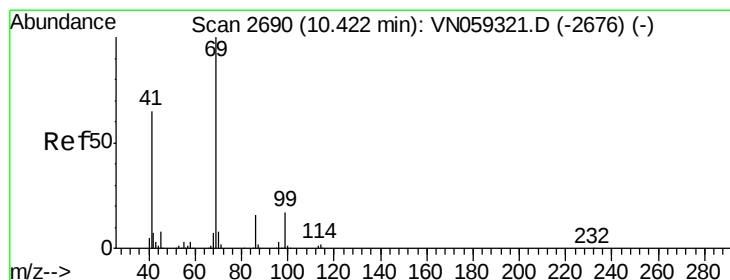
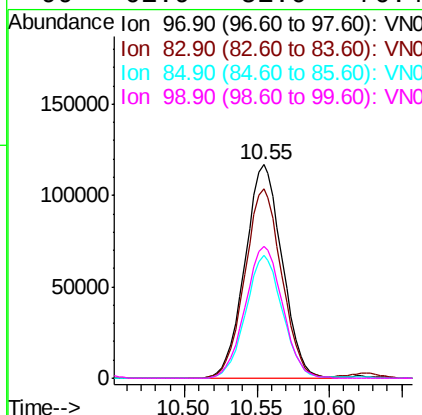
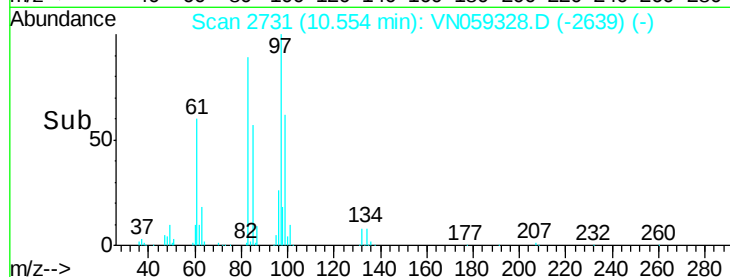
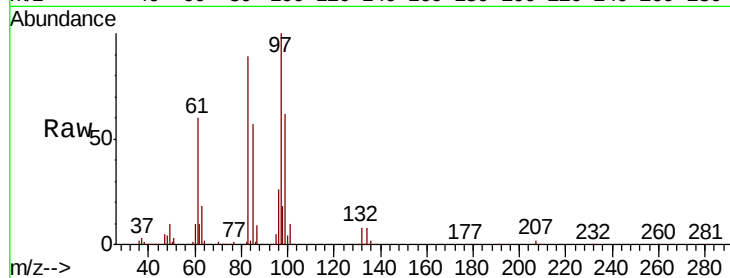
#55
 1,1,2-Trichloroethane
 Concen: 45.341 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	208490
Ion	Ratio	Lower	Upper
97	100		
83	88.5	72.0	108.0
85	57.3	45.8	68.6
99	61.9	51.0	76.4

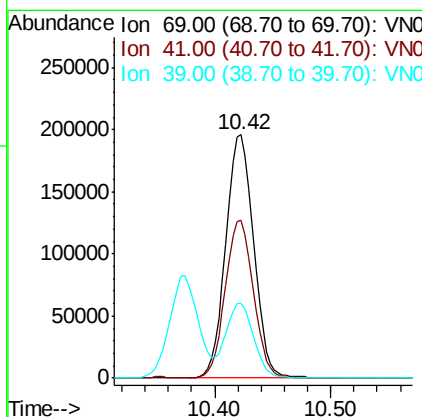
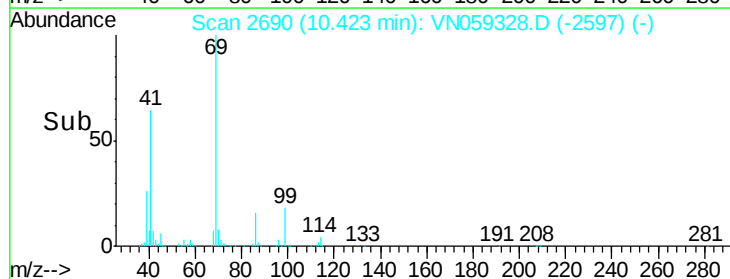
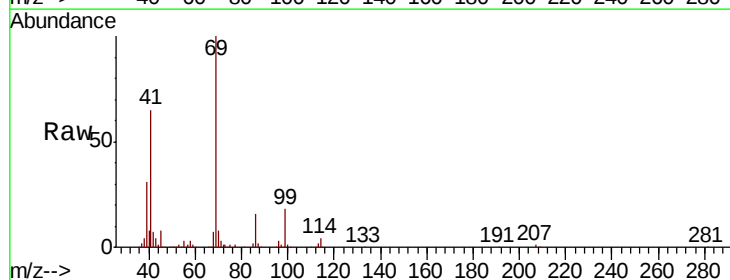
Manual Integrations
 APPROVED

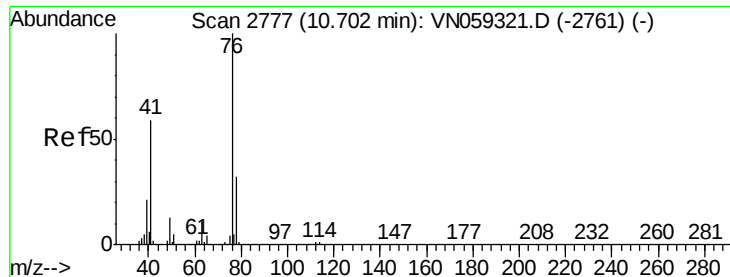
MMDadoda
 11/22/2019 3:11:45 PM



#56
 Ethyl methacrylate
 Concen: 42.343 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Tgt Ion:	69	Resp:	326108
Ion	Ratio	Lower	Upper
69	100		
41	64.7	51.7	77.5
39	30.1	25.2	37.8





#57

1,3-Dichloropropane

Concen: 45.140 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 361770

Ion Ratio Lower Upper

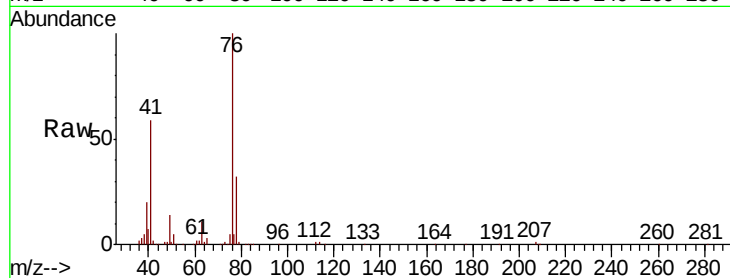
76 100

78 32.4 26.0 39.0

Manual Integrations
APPROVED

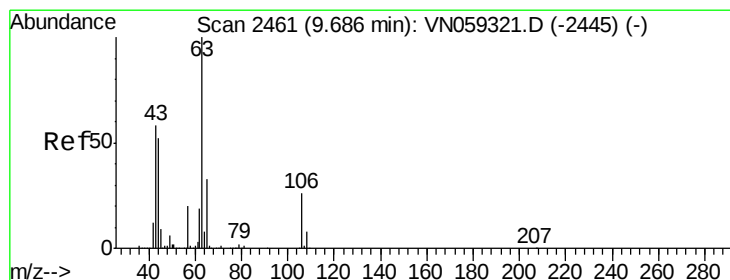
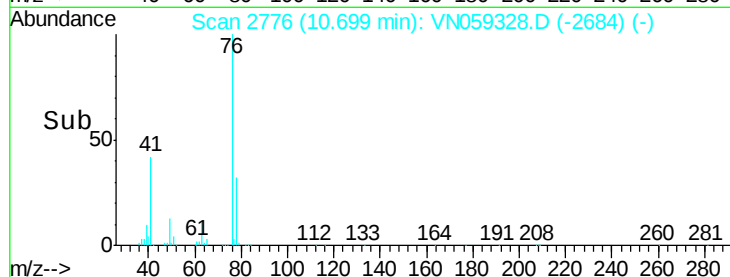
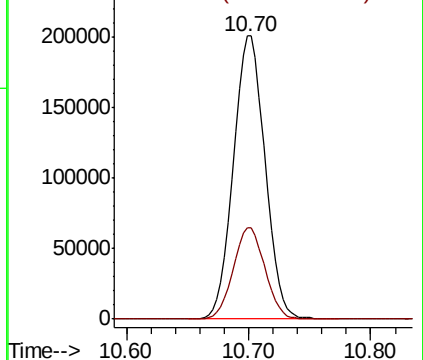
MMDadoda

11/22/2019 3:11:45 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 191.959 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059328.D

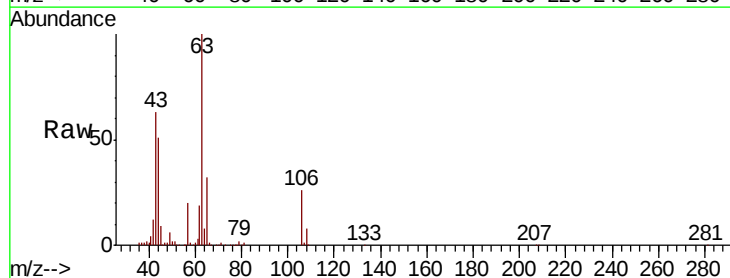
Acq: 21 Nov 2019 12:03

Tgt Ion: 63 Resp: 530592

Ion Ratio Lower Upper

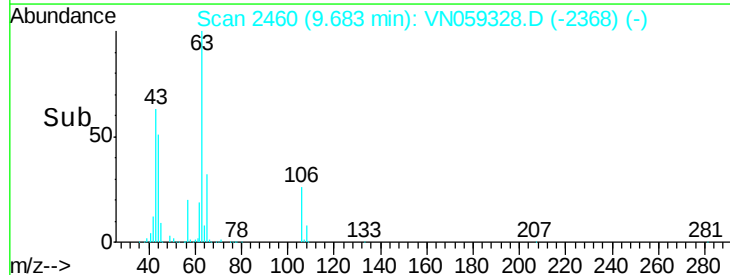
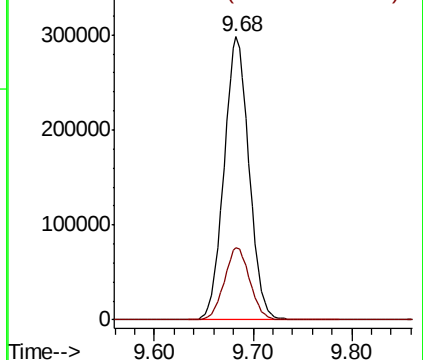
63 100

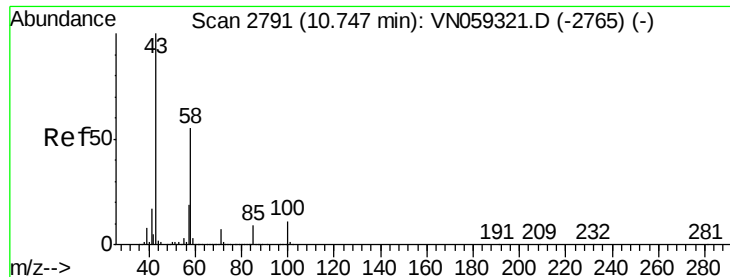
106 25.9 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





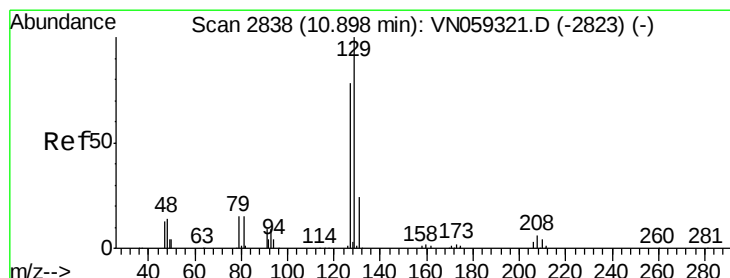
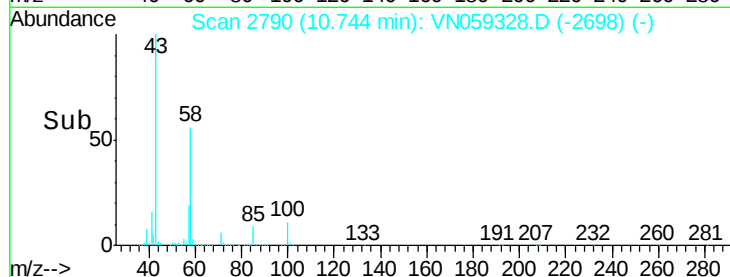
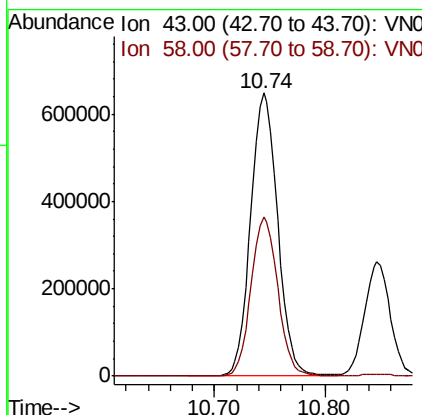
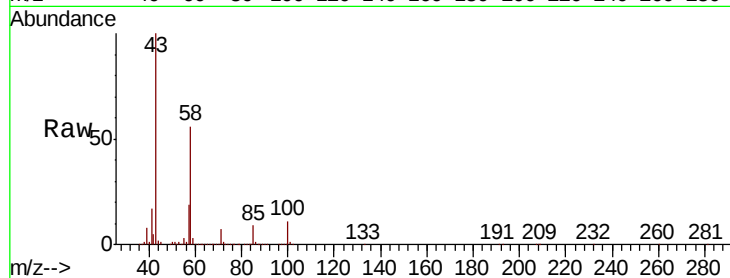
#59
2-Hexanone
Concen: 234.119 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1104471
Ion Ratio Lower Upper
43 100
58 55.8 27.7 83.0

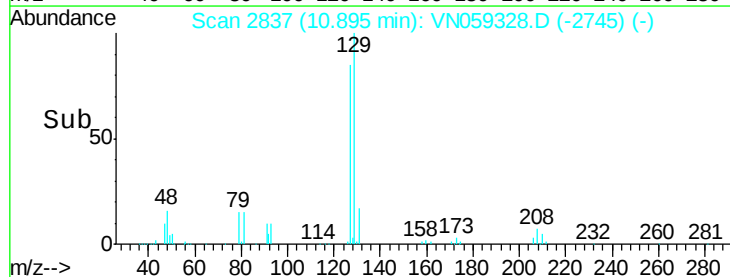
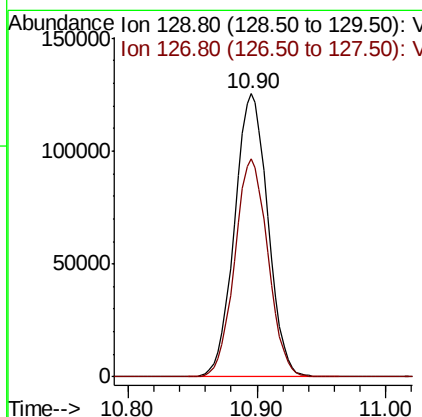
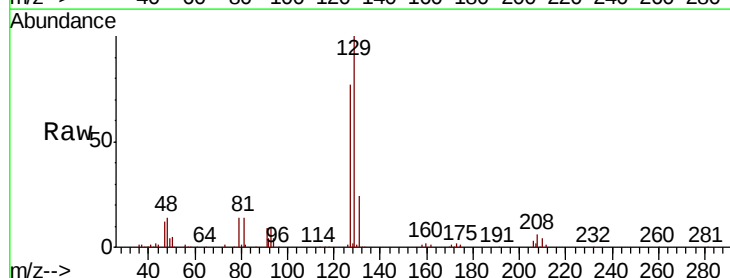
Manual Integrations
APPROVED

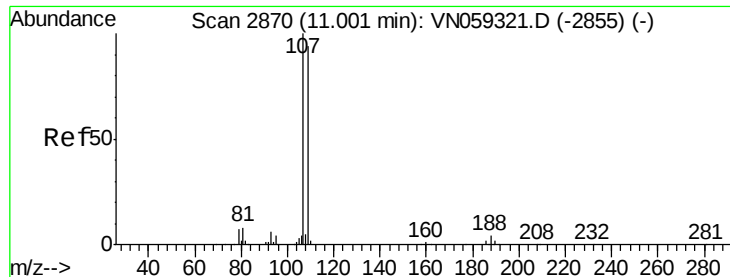
MMDadoda
11/22/2019 3:11:45 PM



#60
Dibromochloromethane
Concen: 46.405 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion: 129 Resp: 224855
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





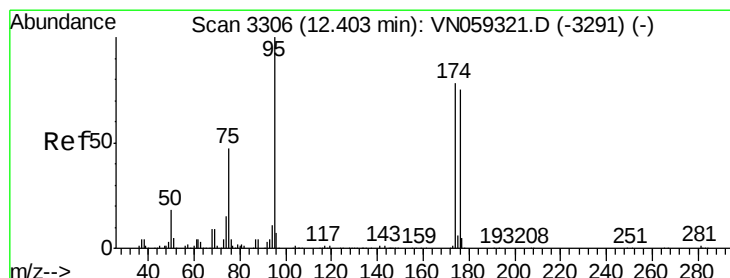
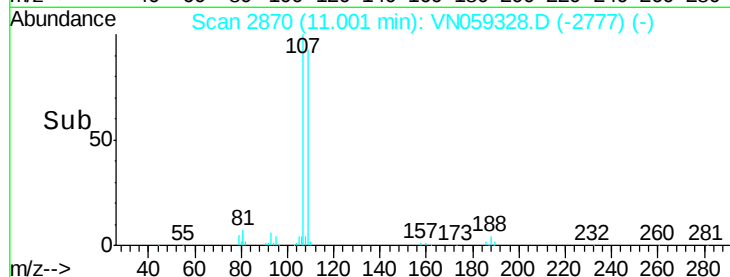
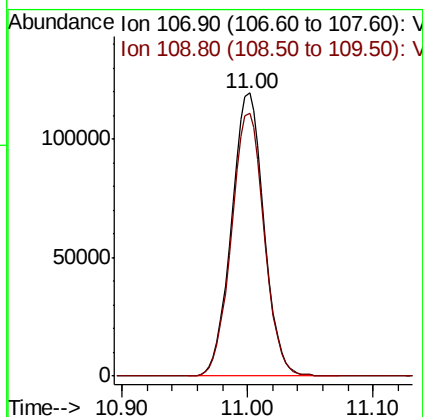
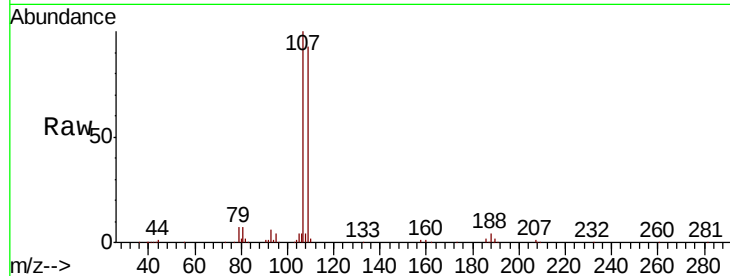
#61
 1,2-Dibromoethane
 Concen: 44.852 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.4	113.2

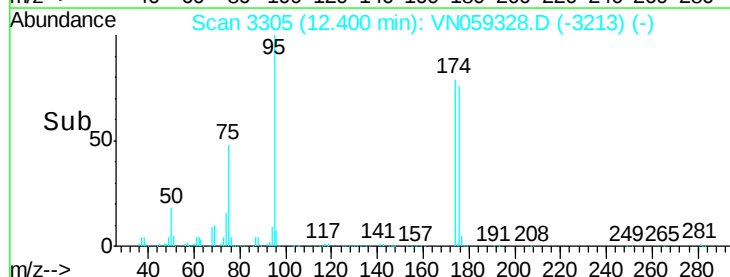
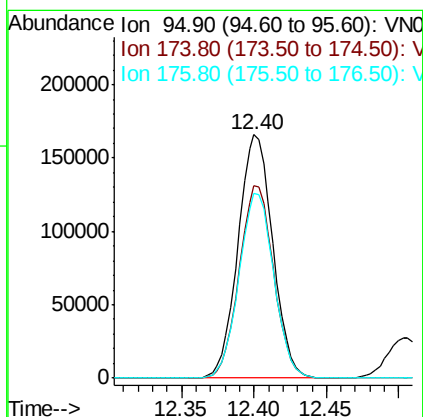
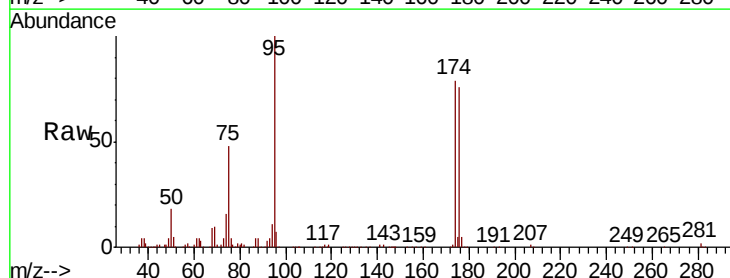
Manual Integrations
 APPROVED

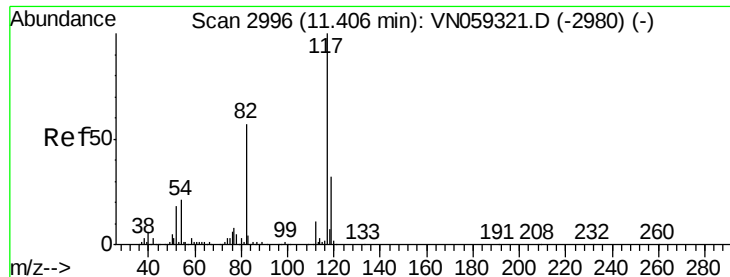
MMDadoda
 11/22/2019 3:11:45 PM



#62
 4-Bromofluorobenzene
 Concen: 50.847 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	157.4
176	76.3	0.0	151.2





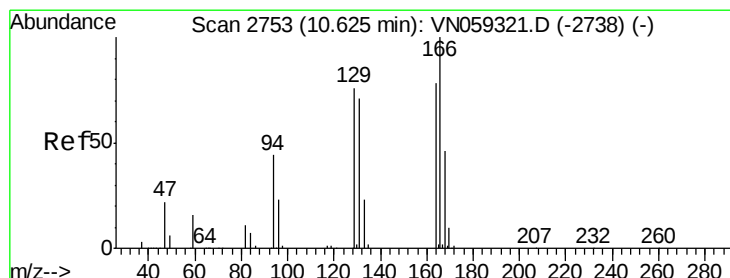
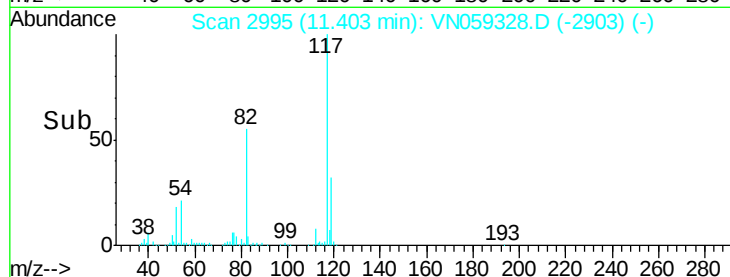
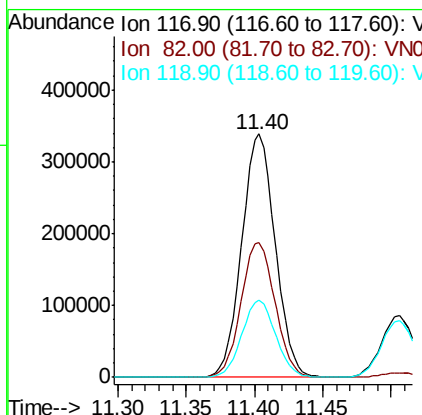
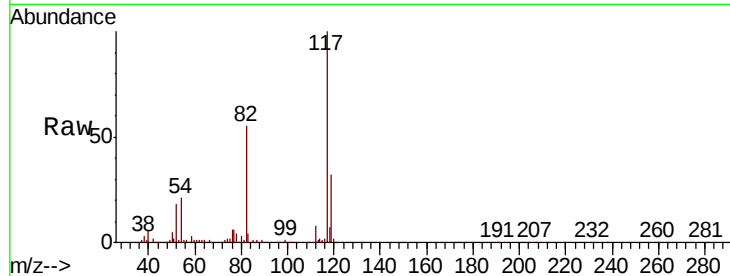
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.7	68.5
119	31.8	25.8	38.6

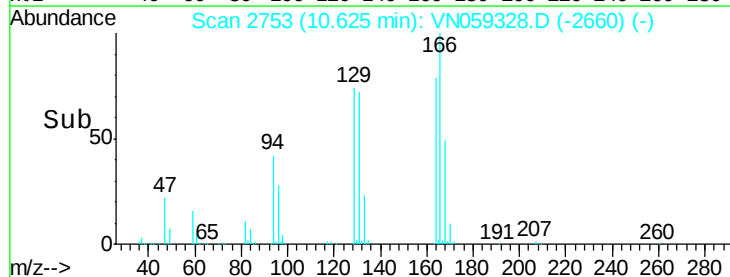
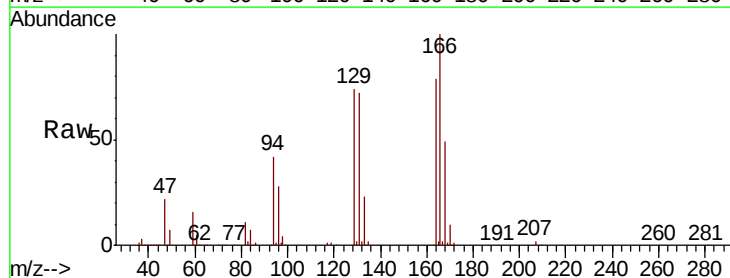
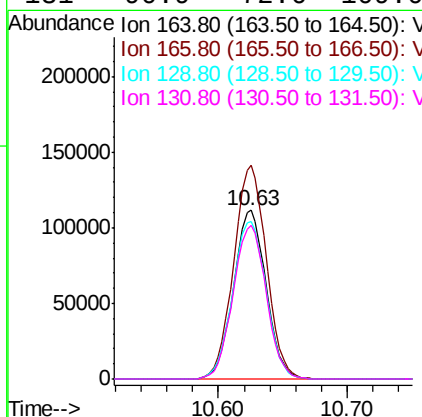
Manual Integrations
APPROVED

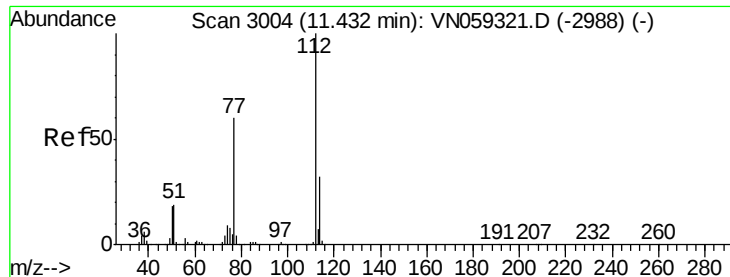
MMDadoda
11/22/2019 3:11:45 PM



#64
Tetrachloroethene
Concen: 43.676 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.9	154.3
129	93.4	78.2	117.2
131	90.9	72.6	109.0





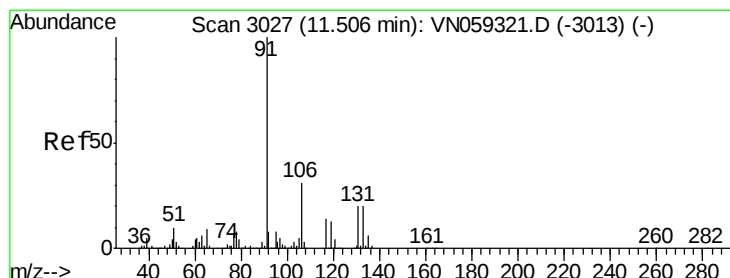
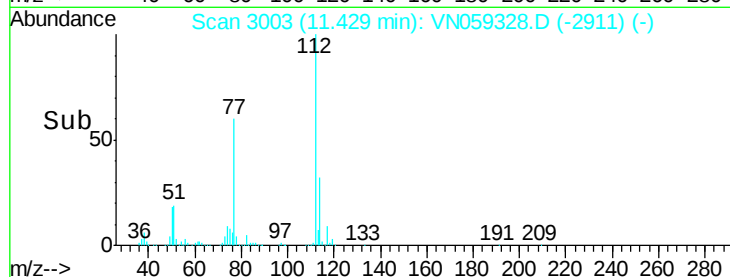
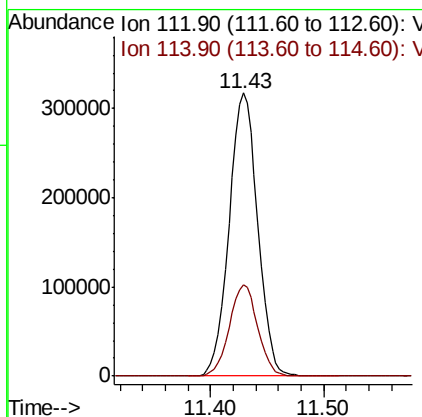
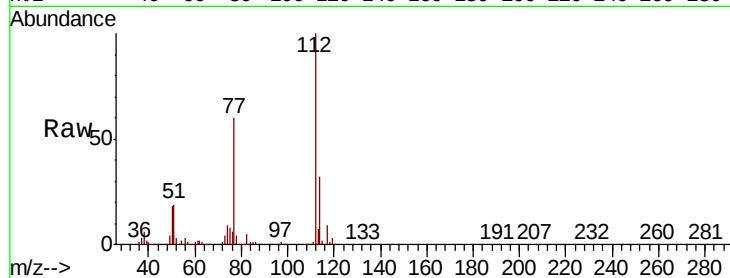
#65
Chlorobenzene
Concen: 44.751 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 556530
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

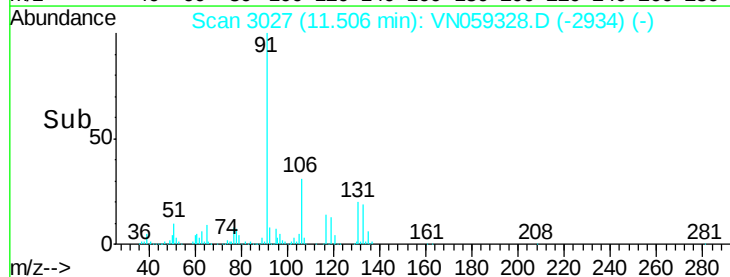
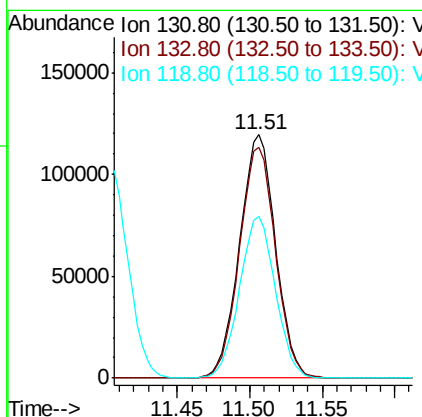
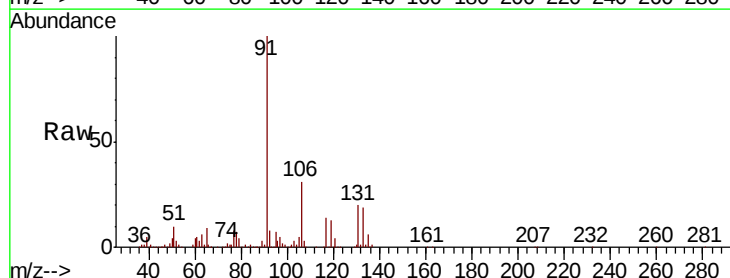
Manual Integrations
APPROVED

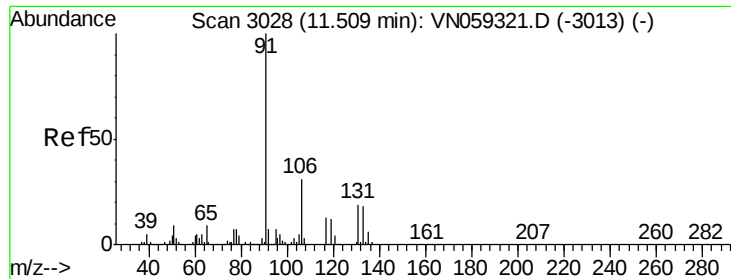
MMDadoda
11/22/2019 3:11:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.635 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion:131 Resp: 206176
Ion Ratio Lower Upper
131 100
133 95.0 48.2 144.6
119 66.5 33.6 100.6





#67

Ethyl Benzene

Concen: 45.877 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1018697

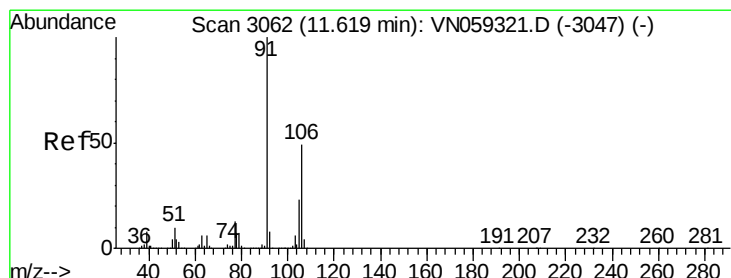
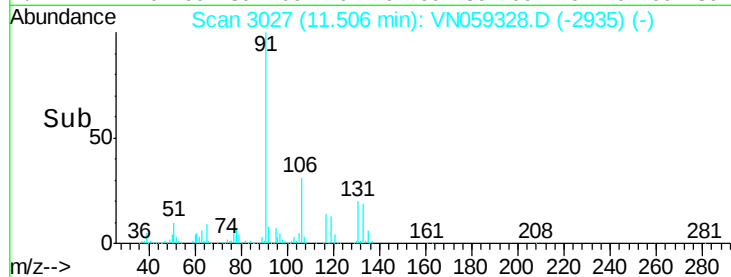
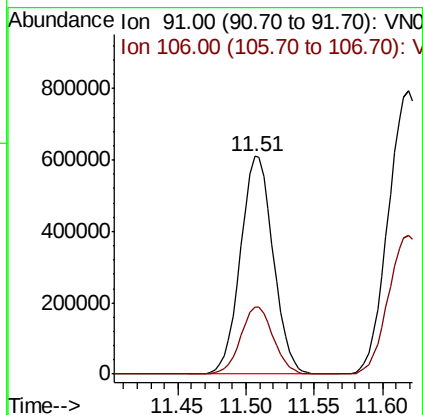
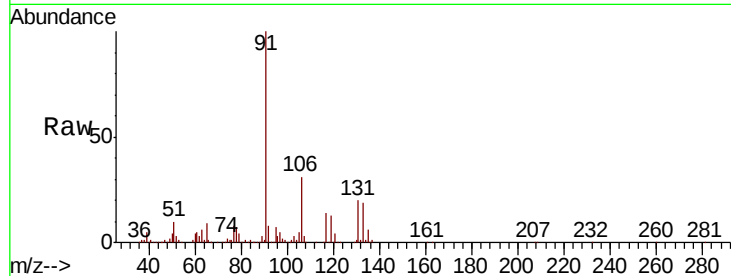
Ion Ratio Lower Upper

91 100

106 30.8 24.6 37.0

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:11:45 PM



#68

m/p-Xylenes

Concen: 92.001 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059328.D

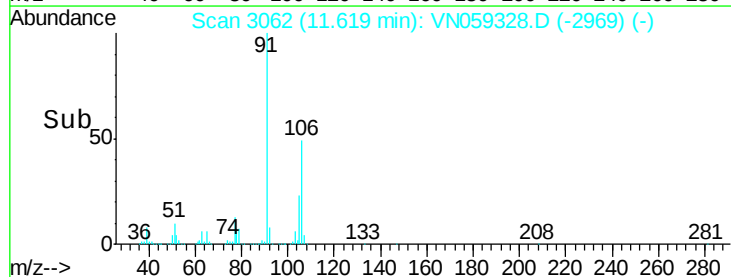
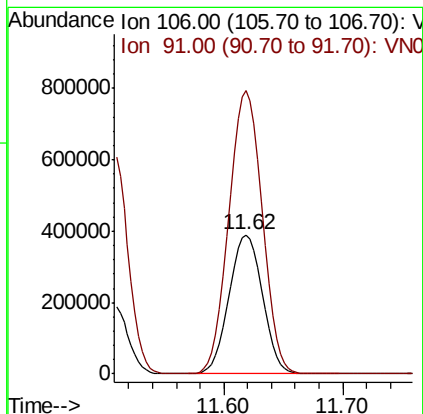
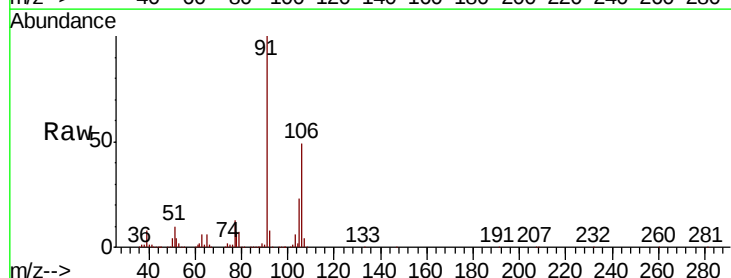
Acq: 21 Nov 2019 12:03

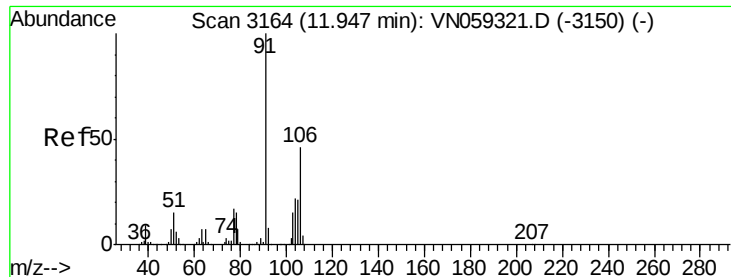
Tgt Ion: 106 Resp: 759092

Ion Ratio Lower Upper

106 100

91 203.7 163.2 244.8





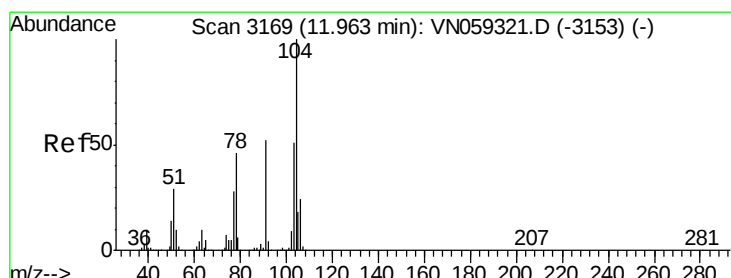
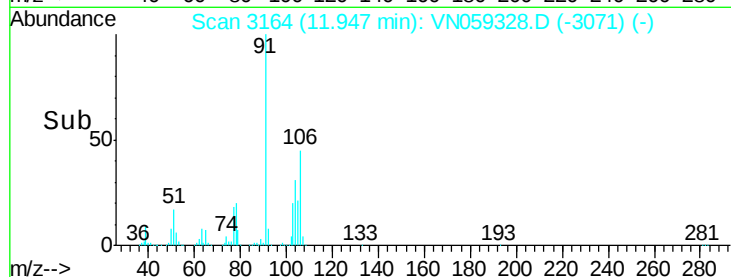
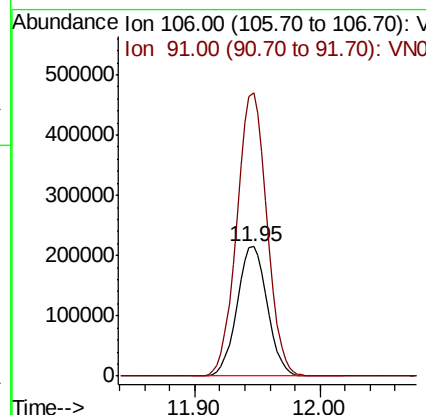
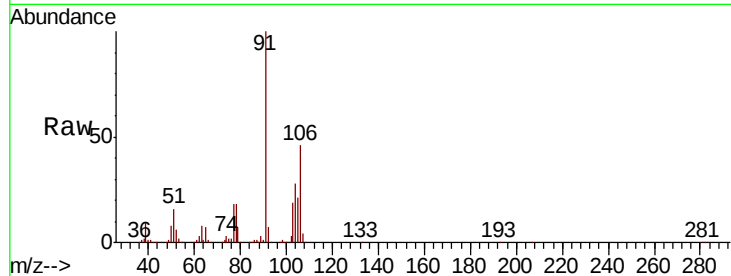
#69
o-Xylene
Concen: 45.607 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
360251	106			
106	100			
91	217.4	109.3	327.9	

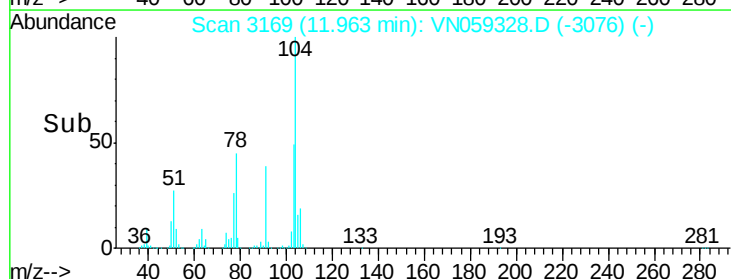
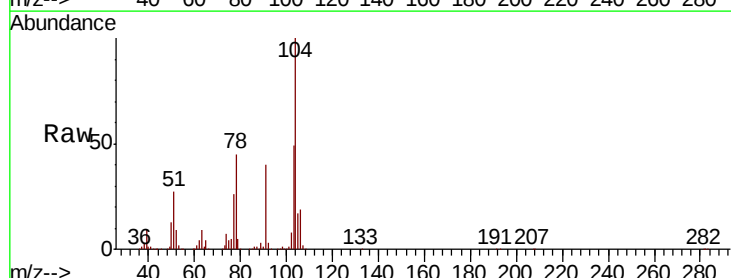
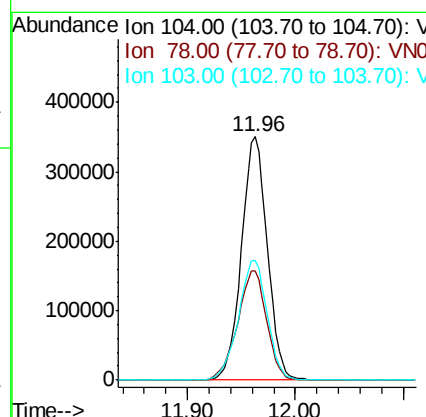
Manual Integrations
APPROVED

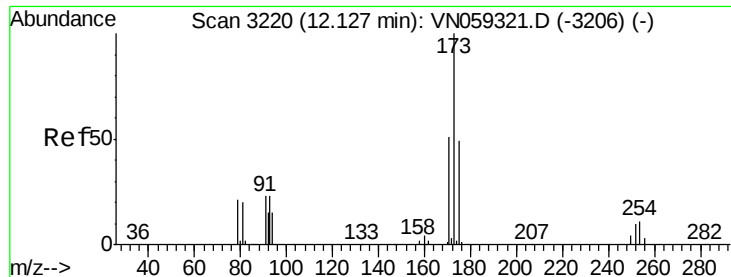
MMDadoda
11/22/2019 3:11:45 PM



#70
Styrene
Concen: 47.131 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ion	Ratio	Lower	Upper
587437	104			
104	100			
78	50.2	40.3	60.5	
103	54.8	43.6	65.4	





#71

Bromoform

Concen: 46.789 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 160092

Ion Ratio Lower Upper

173 100

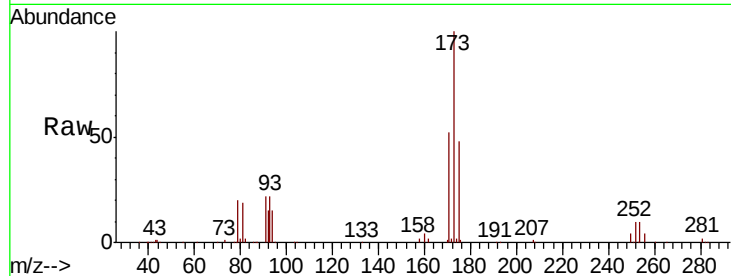
175 47.9 24.6 73.6

254 0.0 0.1 0.1#

Manual Integrations
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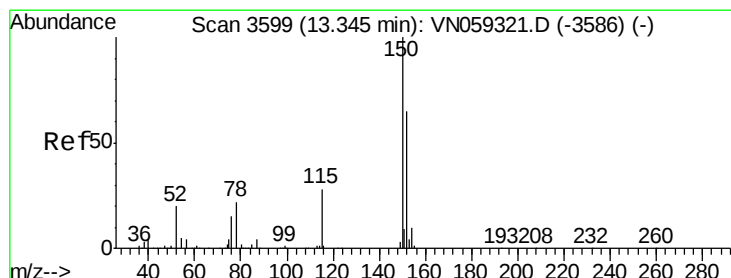
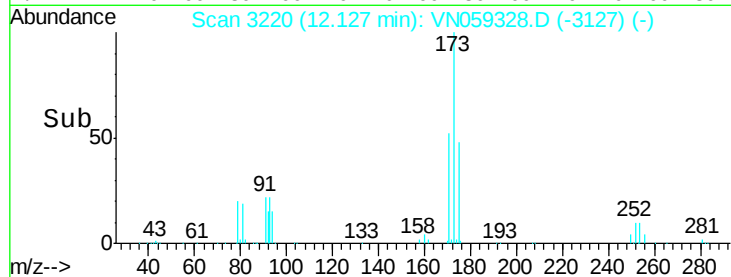
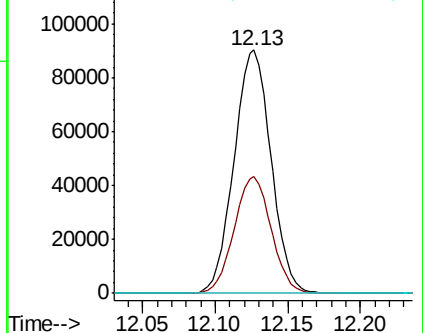
11/22/2019 3:11:45 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

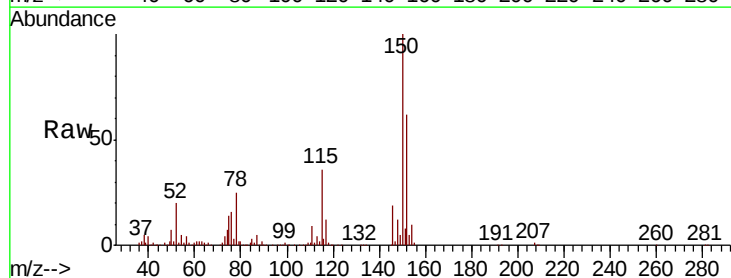
Tgt Ion:152 Resp: 269558

Ion Ratio Lower Upper

152 100

115 58.3 29.3 88.0

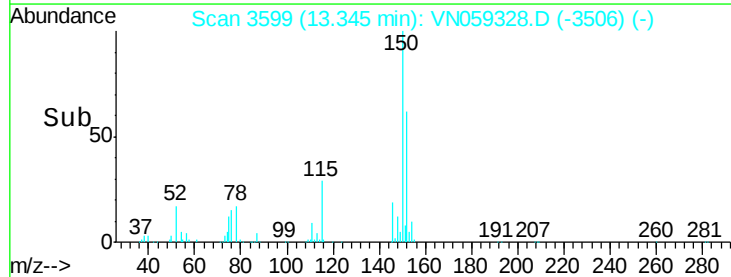
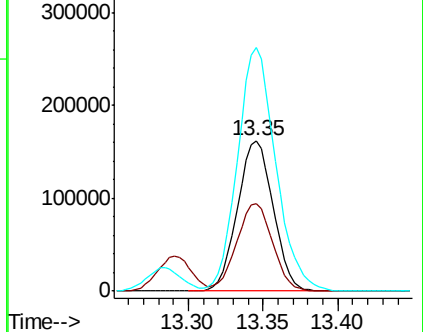
150 173.2 0.0 346.0

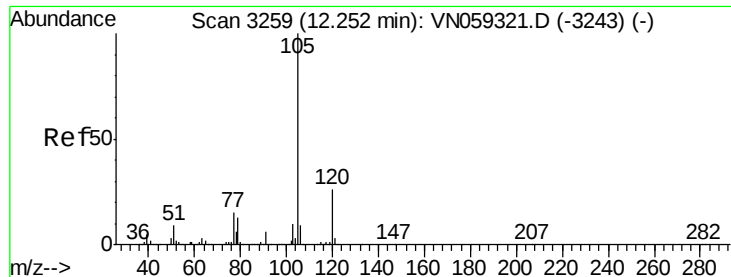


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





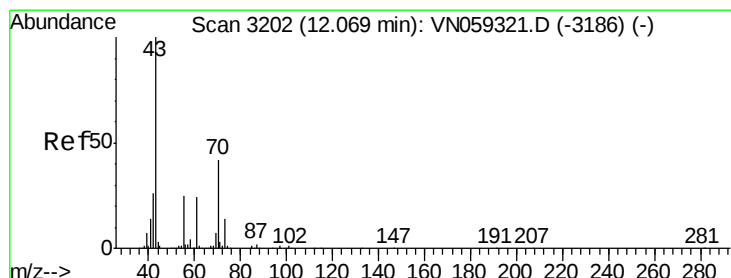
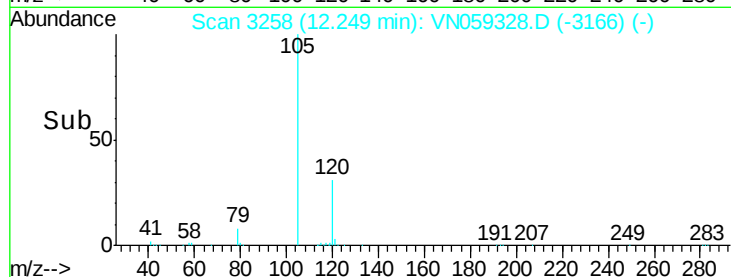
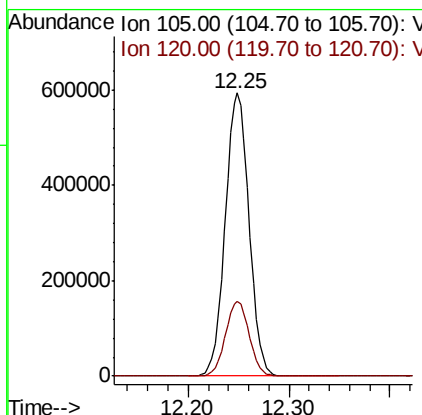
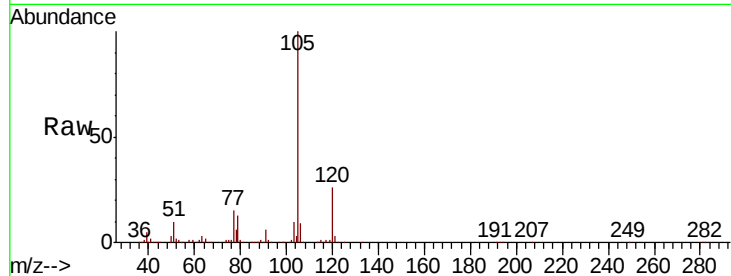
#73
Isopropylbenzene
Concen: 44.200 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.1	39.3

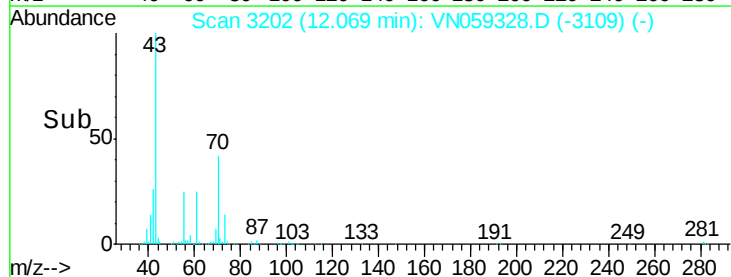
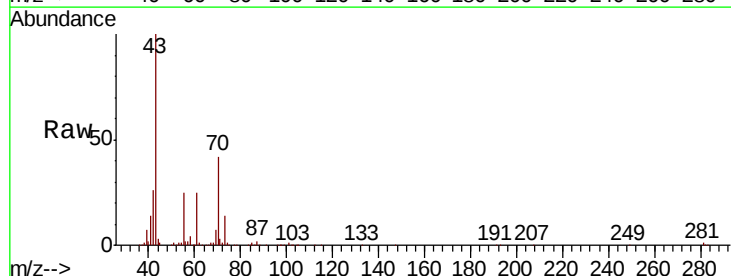
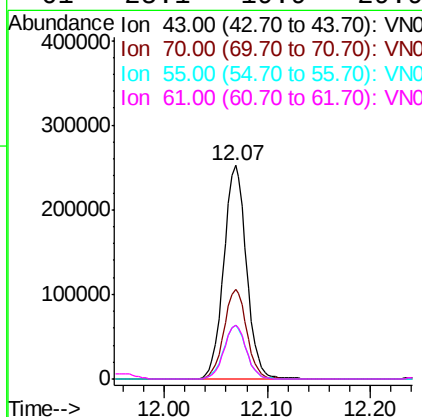
Manual Integrations
APPROVED

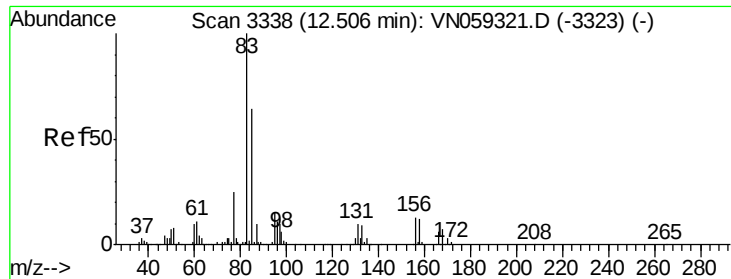
MMDadoda
11/22/2019 3:11:45 PM



#74
N-ethyl acetate
Concen: 43.457 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.2	33.8	50.6
55	25.3	20.3	30.5
61	25.1	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 41.743 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

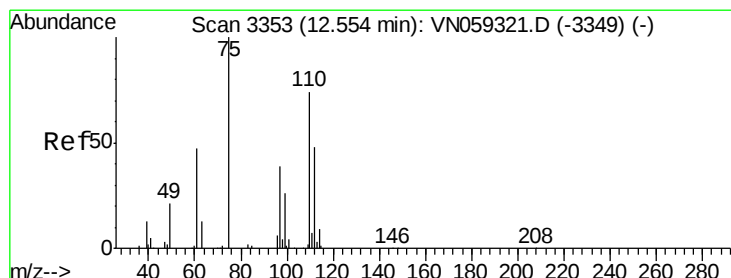
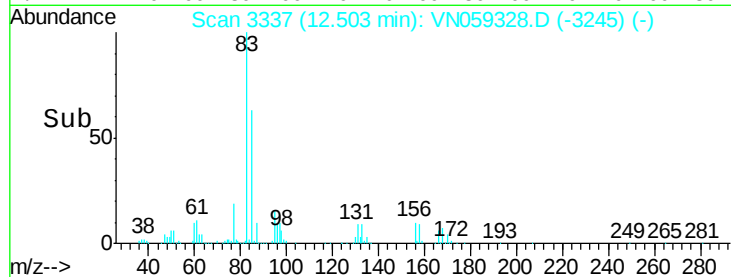
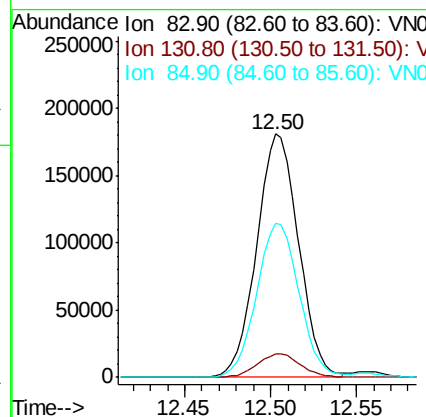
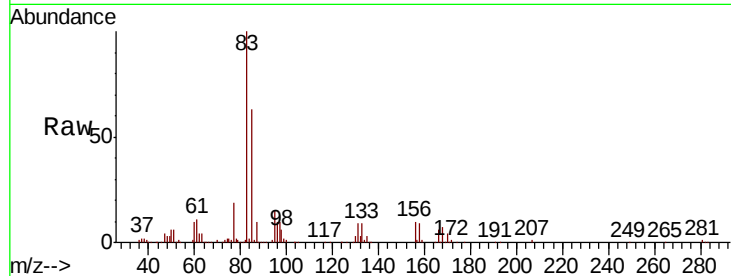
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	304914
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	64.0	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.539 ug/l m

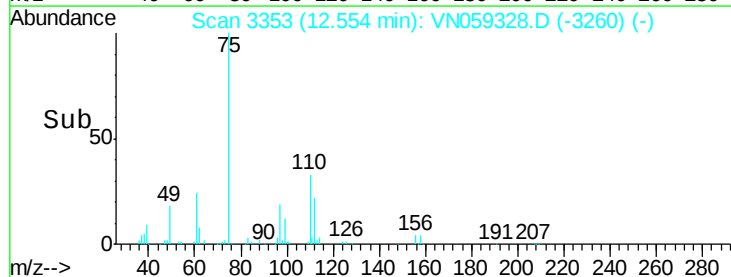
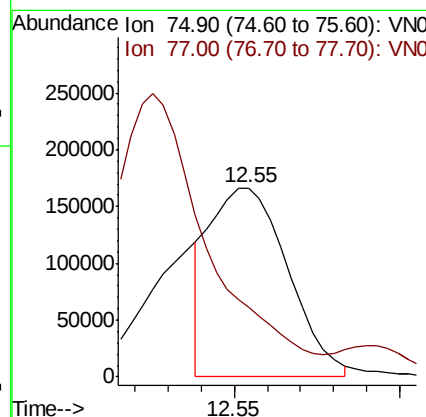
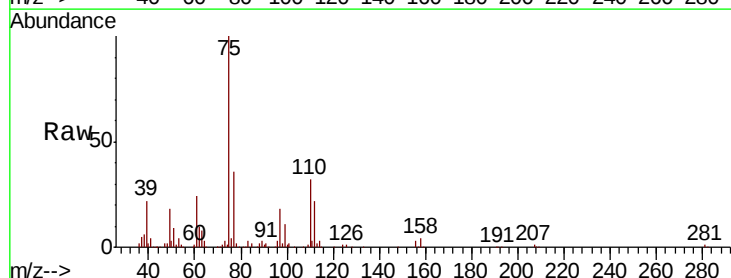
RT: 12.55 min Scan# 3353

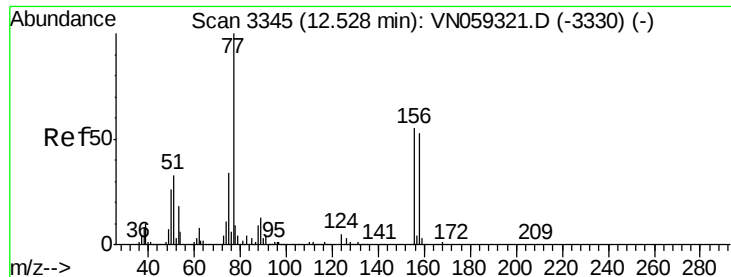
Delta R.T. 0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Tgt Ion:	75	Resp:	271137
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 43.174 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

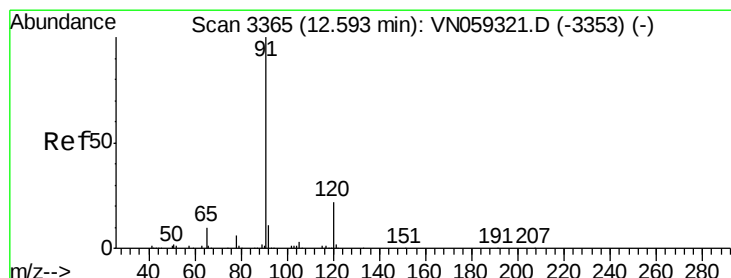
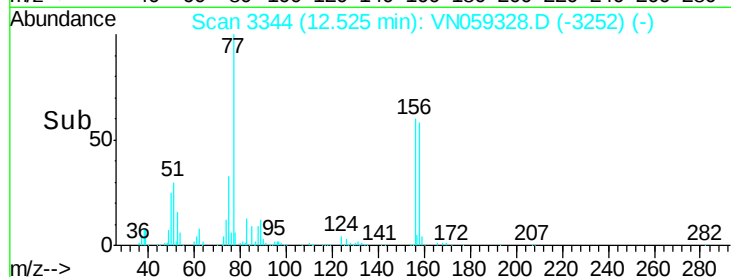
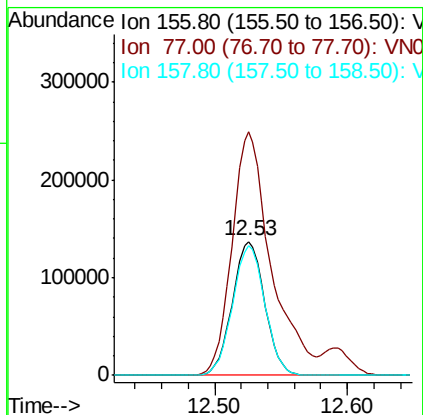
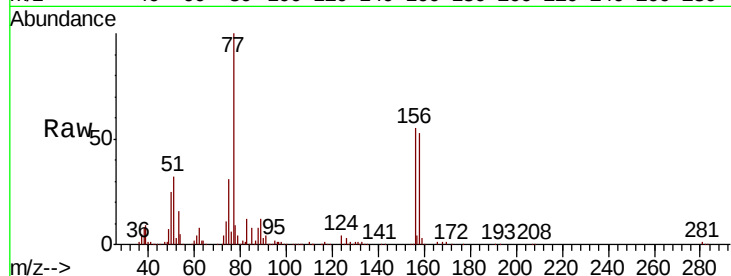
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.2	111.1	333.4
158	97.5	47.8	143.4

Manual Integrations
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#78

n-propylbenzene

Concen: 45.056 ug/l

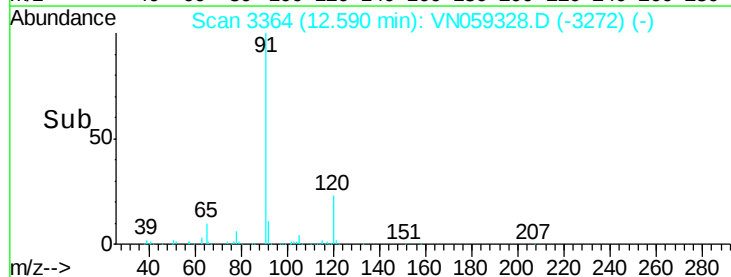
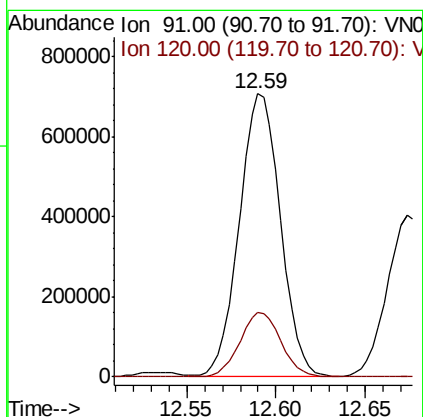
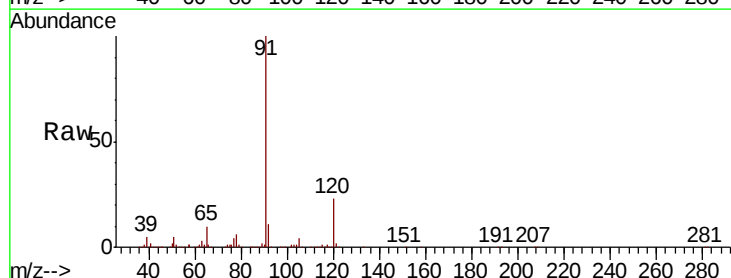
RT: 12.59 min Scan# 3364

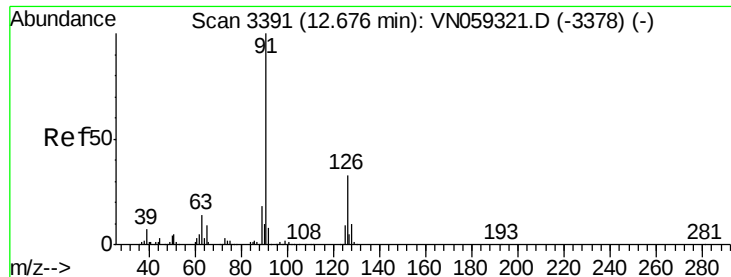
Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.9





#79

2-Chlorotoluene

Concen: 43.360 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 665704

Ion Ratio Lower Upper

91 100

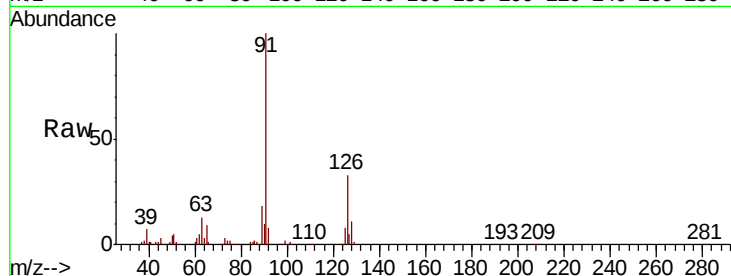
126 33.3 16.7 50.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059321.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059321.D (-3378) (-)

600000

500000

400000

300000

200000

100000

0

12.60

12.65

12.70

12.75

12.80

12.85

12.90

12.95

13.00

13.05

13.10

13.15

13.20

13.25

13.30

13.35

13.40

13.45

13.50

13.55

13.60

13.65

13.70

13.75

13.80

13.85

13.90

13.95

14.00

14.05

14.10

14.15

14.20

14.25

14.30

14.35

14.40

14.45

14.50

14.55

14.60

14.65

14.70

14.75

14.80

14.85

14.90

14.95

15.00

15.05

15.10

15.15

15.20

15.25

15.30

15.35

15.40

15.45

15.50

15.55

15.60

15.65

15.70

15.75

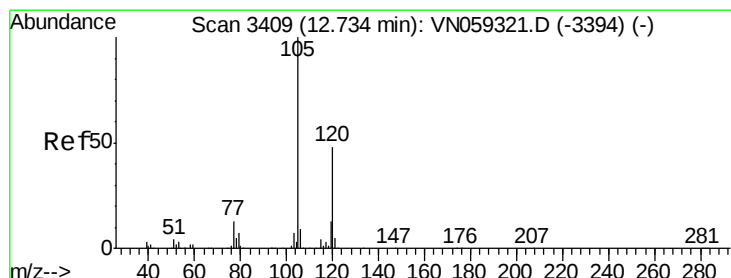
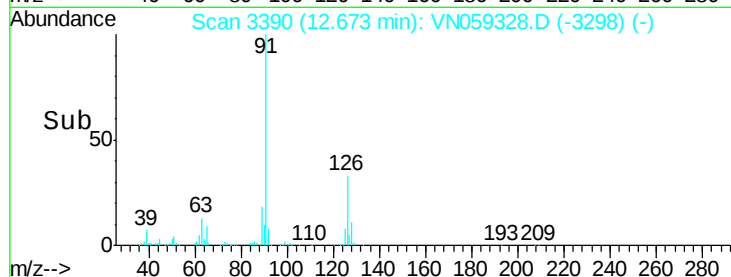
15.80

15.85

15.90

15.95

16.00



#80

1,3,5-Trimethylbenzene

Concen: 44.368 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059328.D

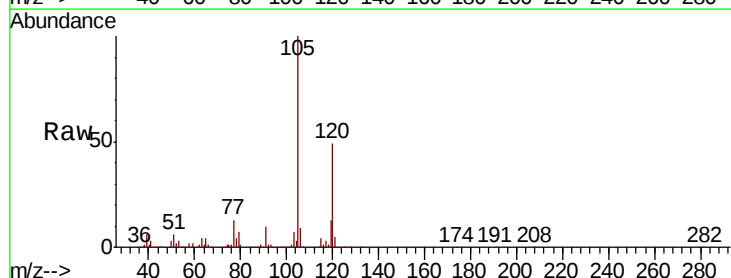
Acq: 21 Nov 2019 12:03

Tgt Ion: 105 Resp: 823587

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059321.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059321.D (-3394) (-)

600000

500000

400000

300000

200000

100000

0

12.70

12.75

12.80

12.85

12.90

12.95

13.00

13.05

13.10

13.15

13.20

13.25

13.30

13.35

13.40

13.45

13.50

13.55

13.60

13.65

13.70

13.75

13.80

13.85

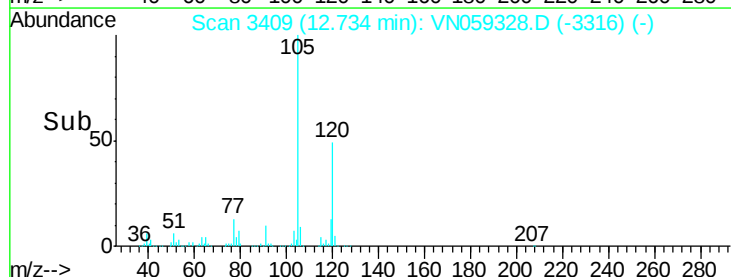
13.90

13.95

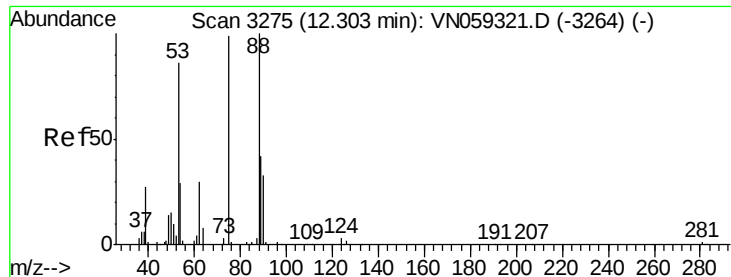
14.00

14.05

14.10



Time-->



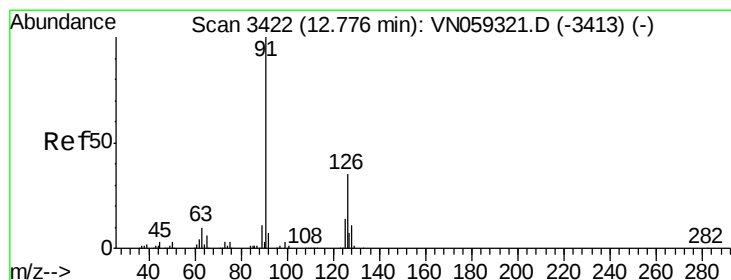
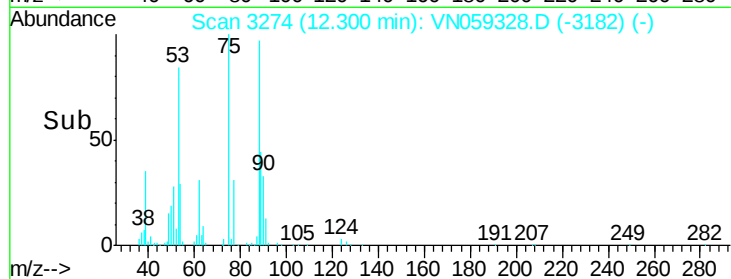
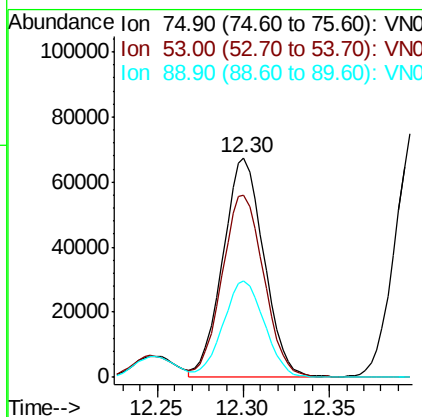
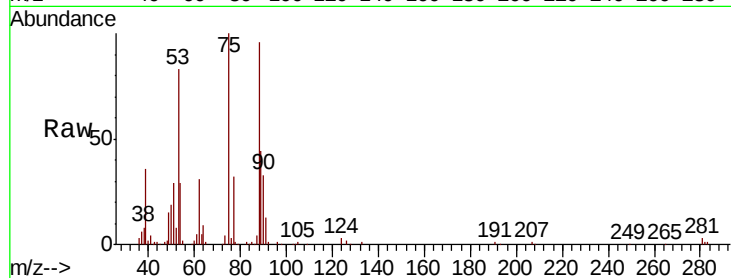
#81
trans-1,4-Dichloro-2-butene
Concen: 44.716 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.6	70.7	106.1
89	44.6	35.4	53.0

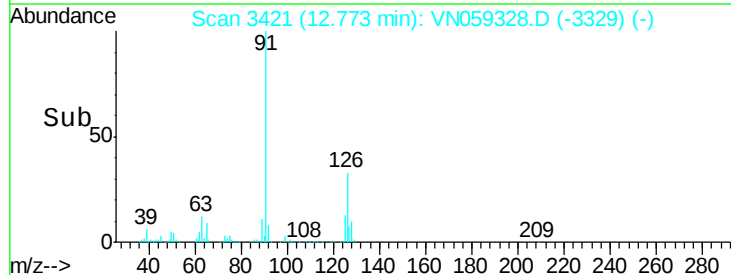
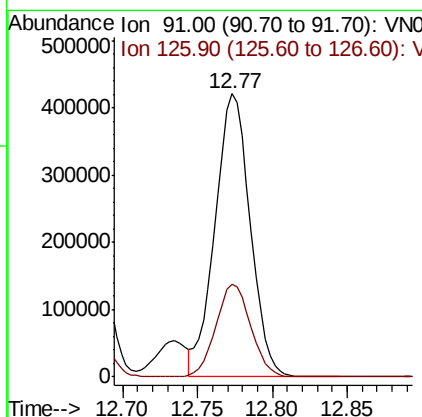
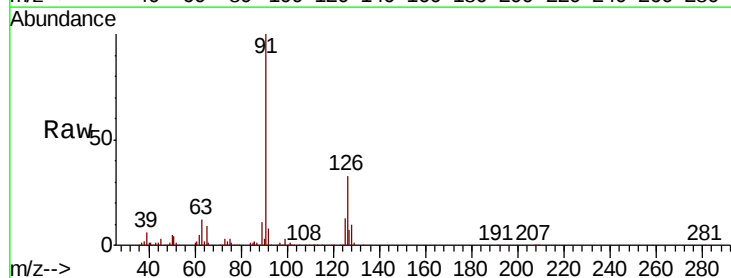
Manual Integrations
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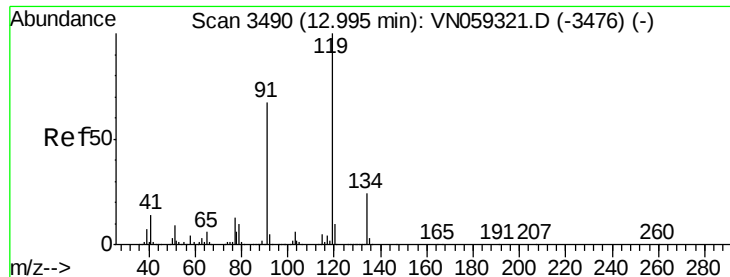
MMDadoda
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#82
4-Chlorotoluene
Concen: 43.206 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.2	48.6





#83

tert-Butylbenzene

Concen: 44.699 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Instrument :

MSVOA_N

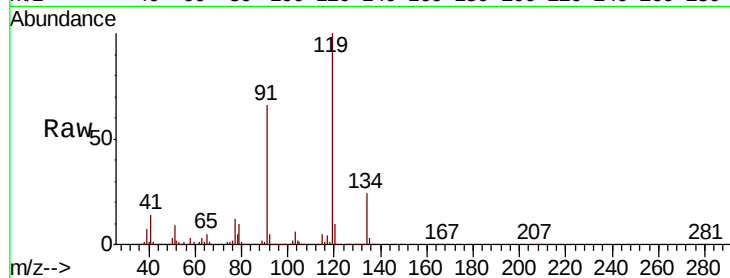
ClientSampleId :

VSTDCCC050

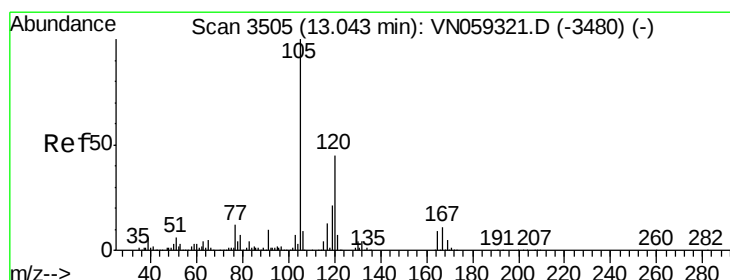
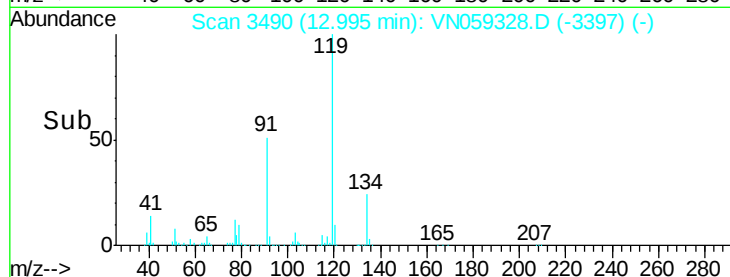
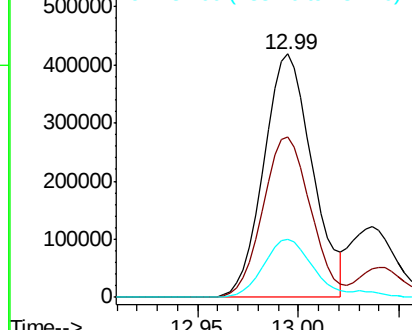
Tot Ion:	119	Resp:	700763
Ion Ratio	Lower	Upper	
119	100		
91	64.9	32.8	98.4
134	25.6	13.0	38.9

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 45.009 ug/l

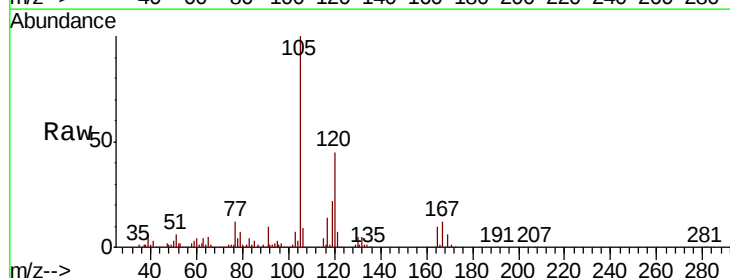
RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

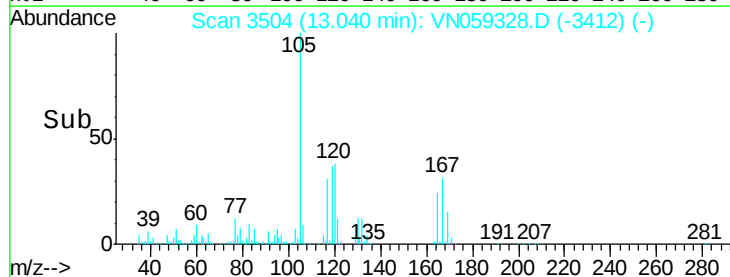
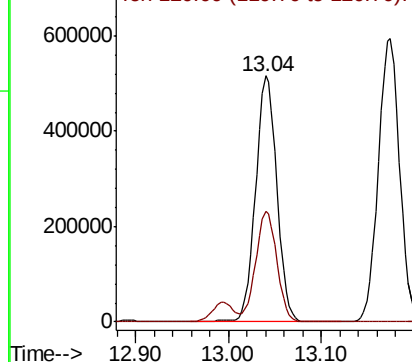
Lab File: VN059328.D

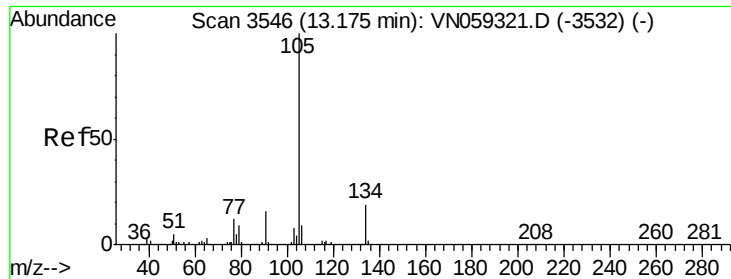
Acq: 21 Nov 2019 12:03

Tgt Ion:	105	Resp:	818431
Ion Ratio	Lower	Upper	
105	100		
120	45.0	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





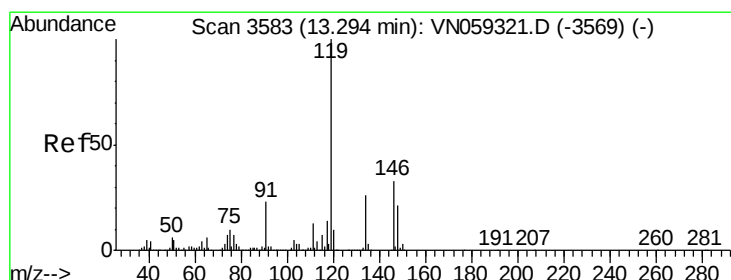
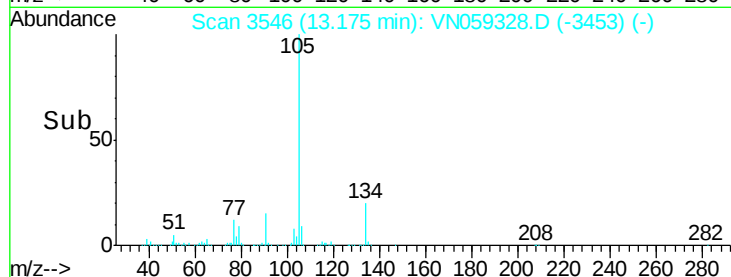
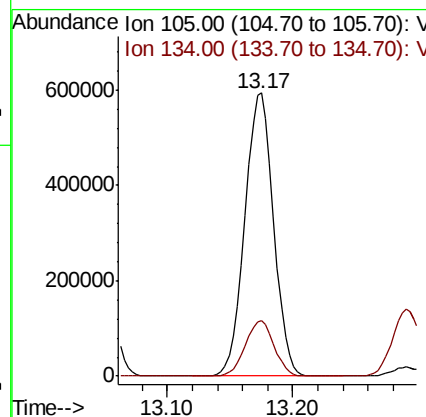
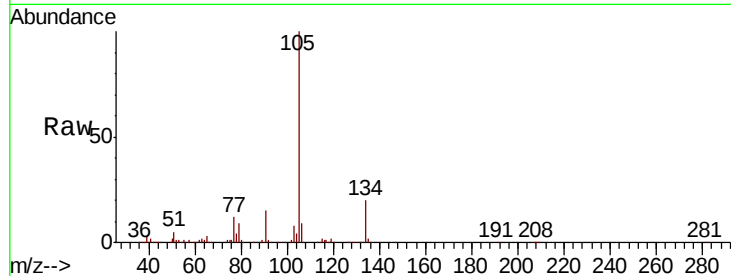
#85
 sec-Butylbenzene
 Concen: 44.732 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.3

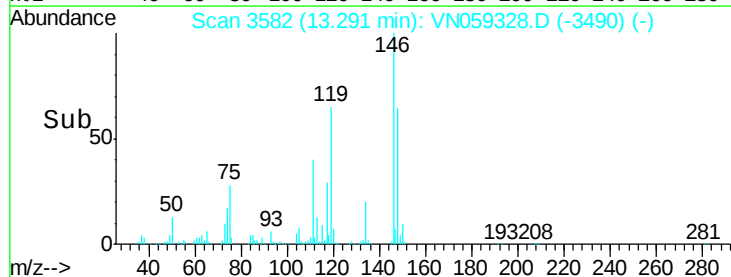
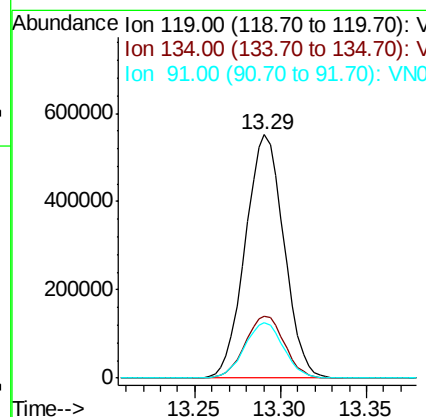
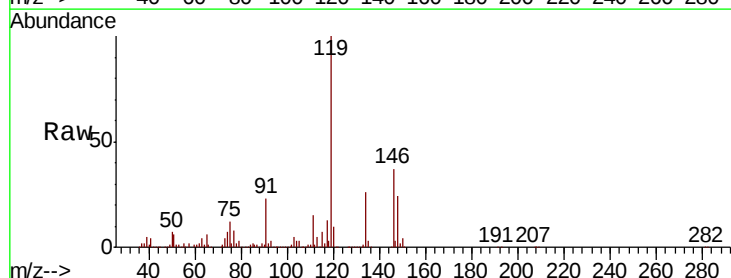
Manual Integrations
 APPROVED

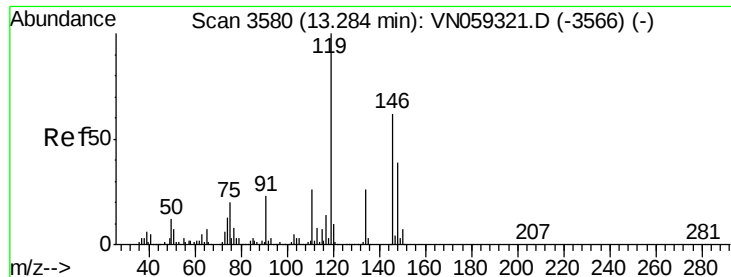
MMDadoda
 11/22/2019 3:11:45 PM



#86
 p-Isopropyltoluene
 Concen: 45.634 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	23.1	11.6	34.7





#87

1,3-Dichlorobenzene

Concen: 43.381 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059328.D

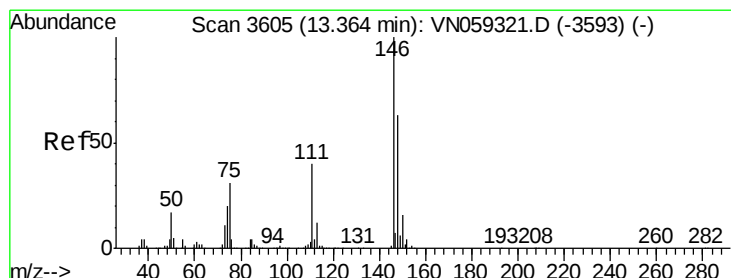
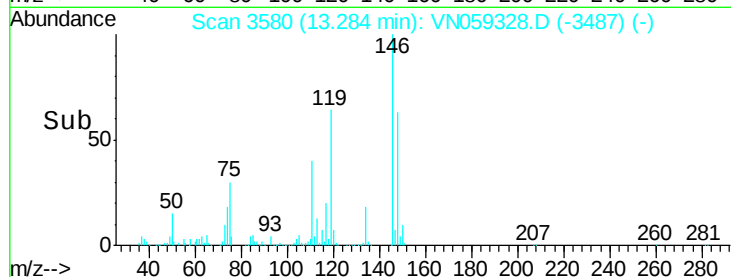
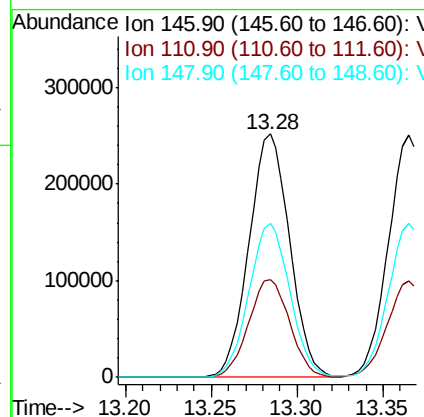
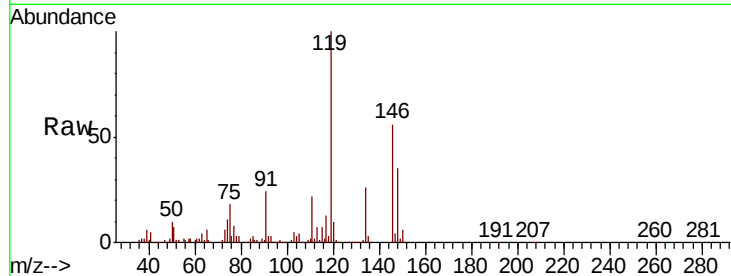
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.6	61.8
148	63.5	31.9	95.5

Manual Integrations
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11/22/2019 3:11:45 PM



#88

1,4-Dichlorobenzene

Concen: 43.231 ug/l

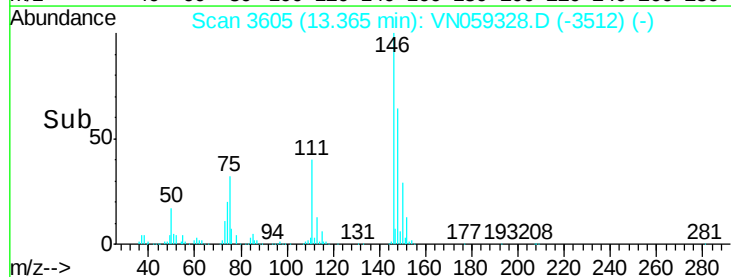
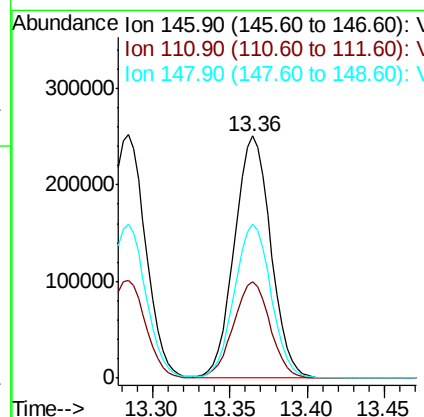
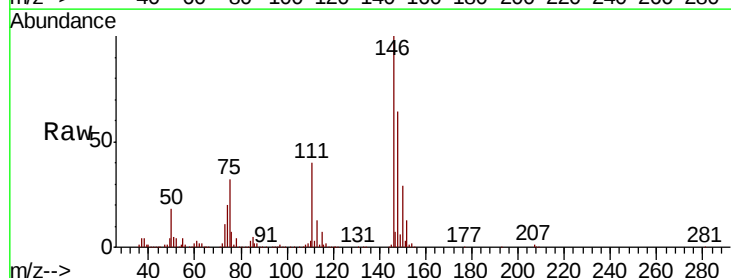
RT: 13.36 min Scan# 3605

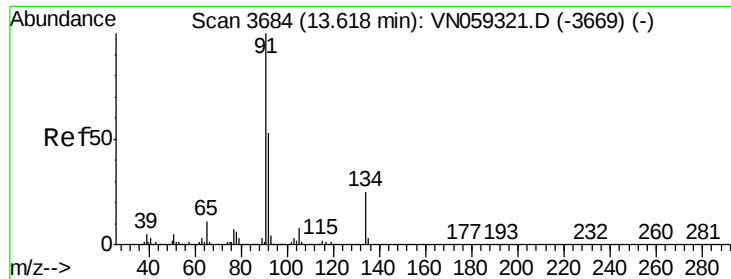
Delta R.T. 0.00 min

Lab File: VN059328.D

Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.3
148	64.1	31.7	95.1





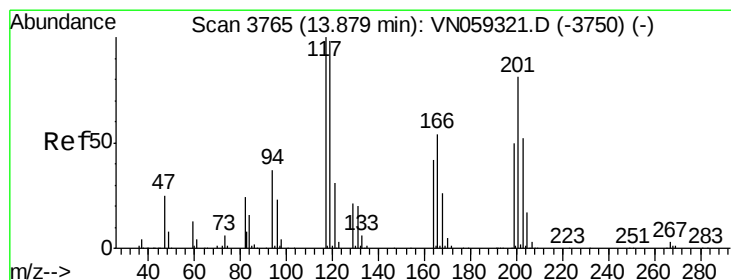
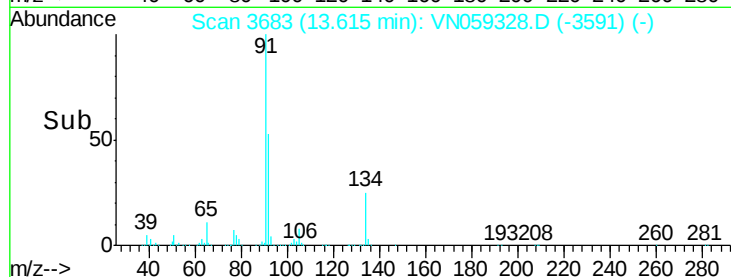
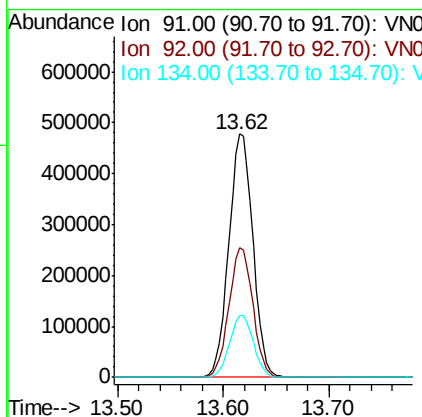
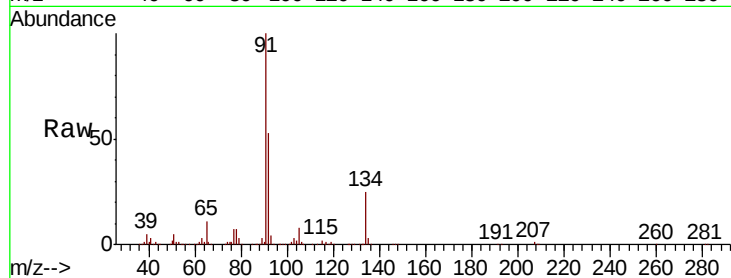
#89
n-Butylbenzene
Concen: 45.804 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.0	78.0
134	25.5	12.7	38.1

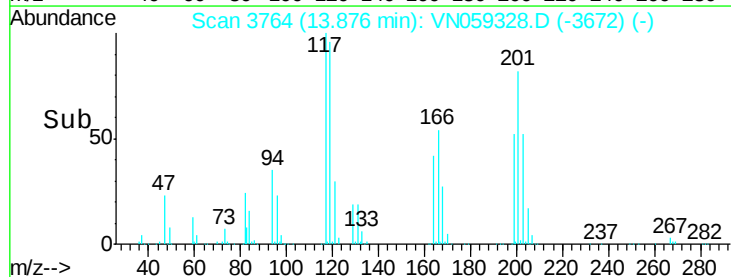
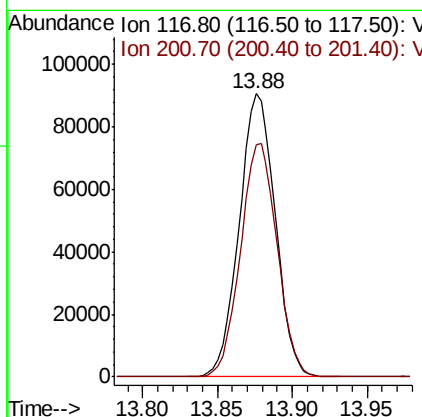
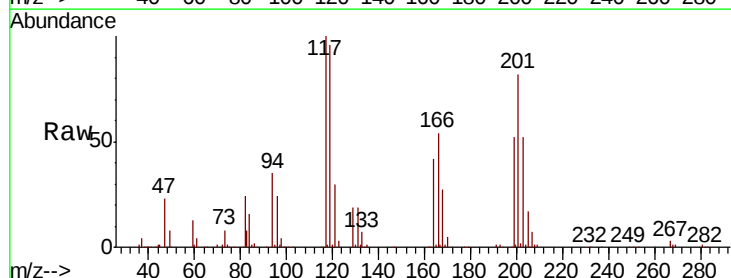
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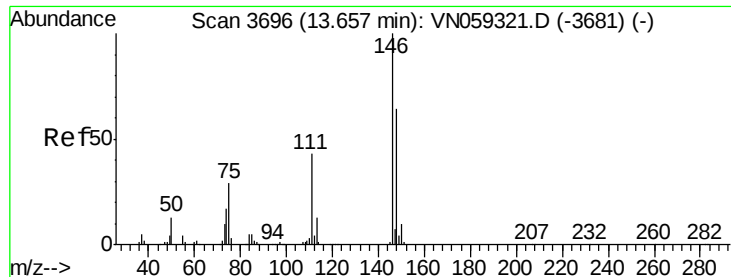
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#90
Hexachloroethane
Concen: 42.804 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	40.4	121.2





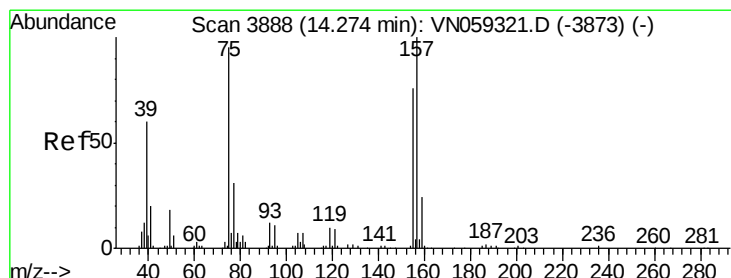
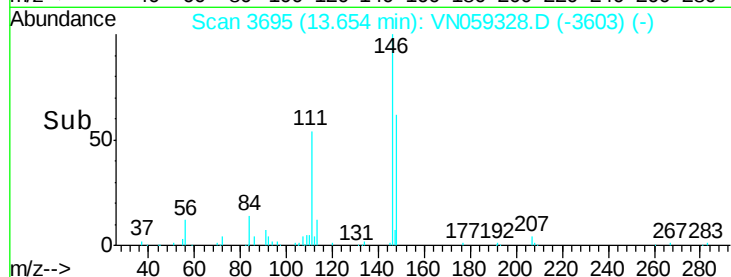
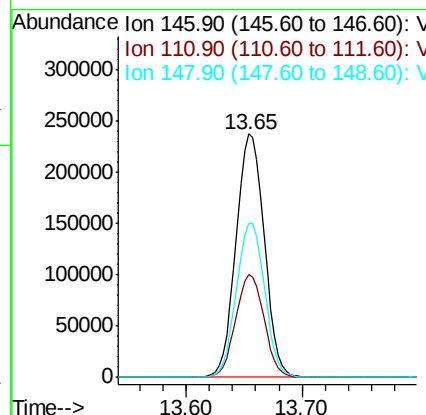
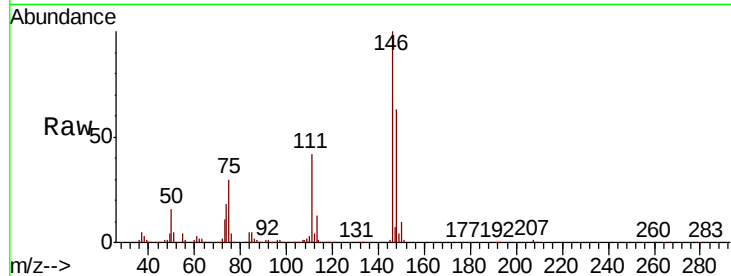
#91
 1,2-Dichlorobenzene
 Concen: 43.354 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	64.0
148	63.9	31.9	95.5

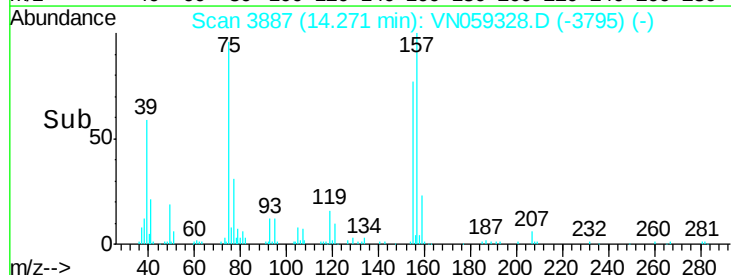
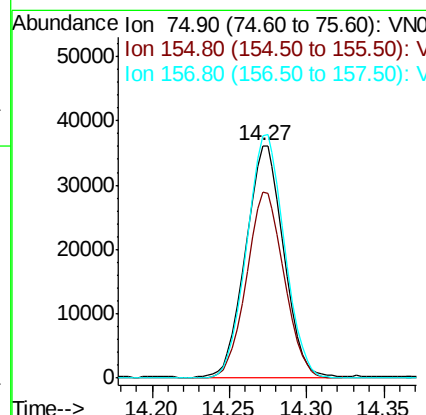
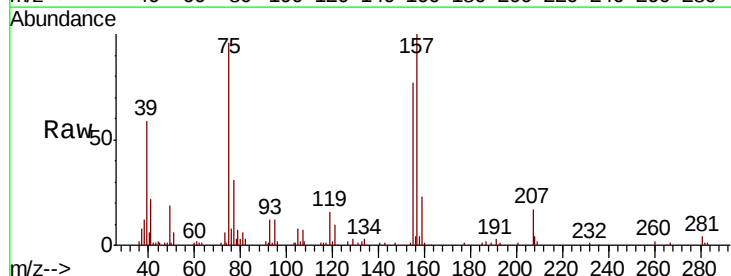
Manual Integrations
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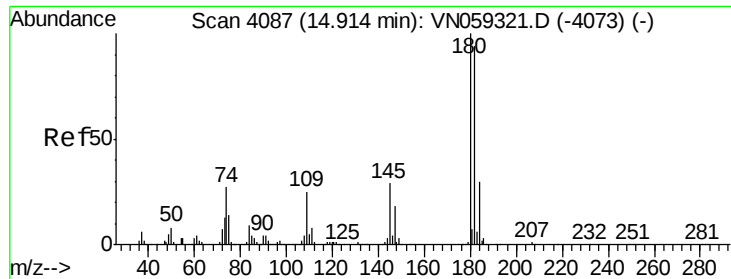
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.106 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	40.5	121.5
157	103.2	52.7	158.1





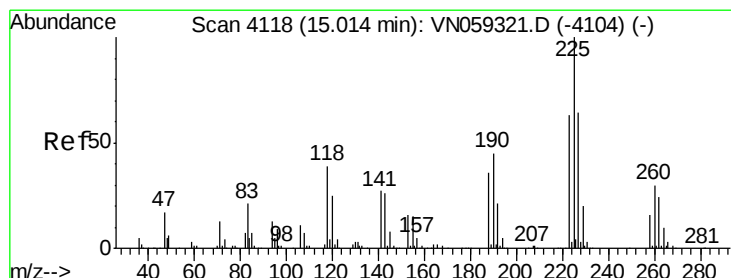
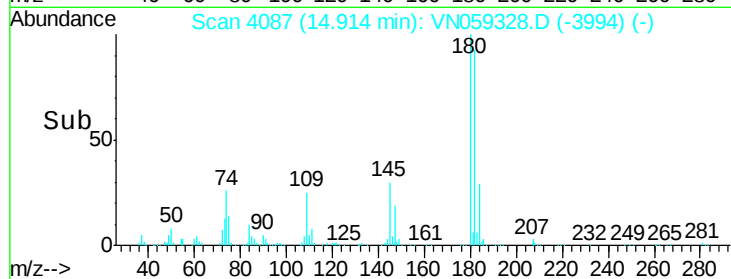
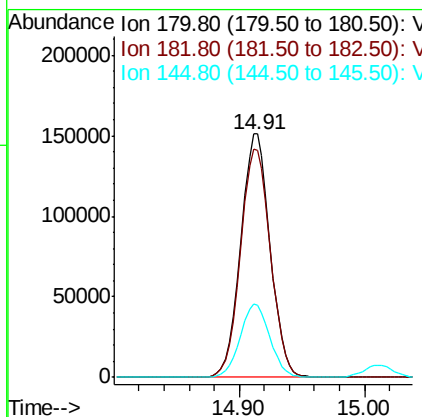
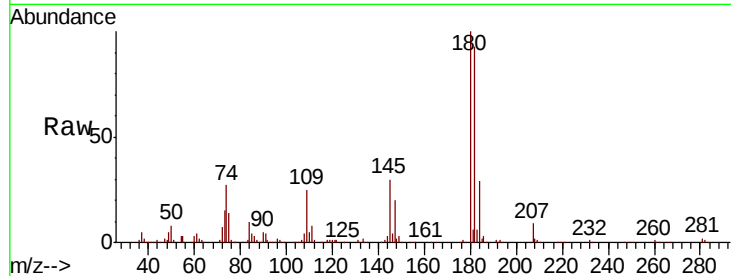
#93
 1,2,4-Trichlorobenzene
 Concen: 43.182 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	245407		
182	95.8	47.2	141.6	
145	30.5	14.9	44.5	

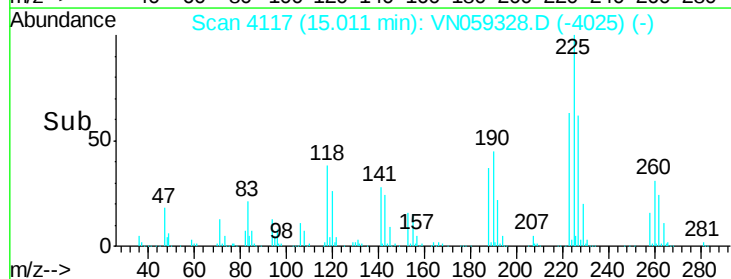
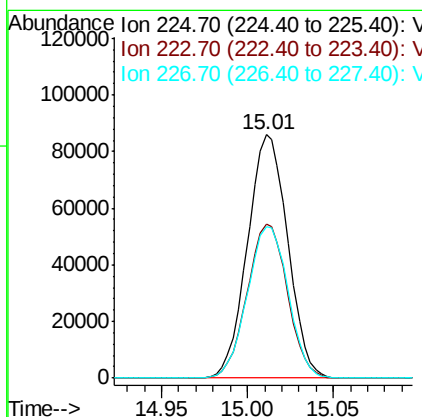
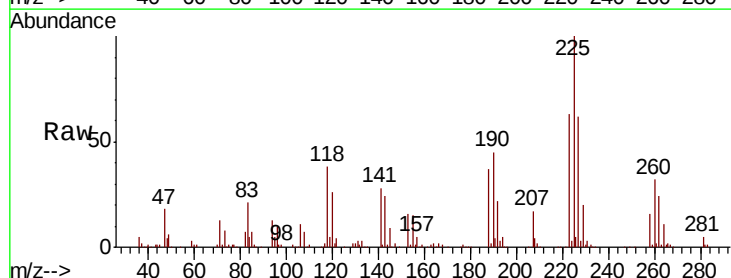
Manual Integrations
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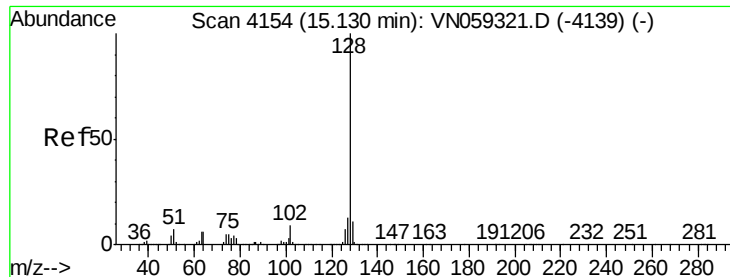
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#94
 Hexachlorobutadiene
 Concen: 41.940 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059328.D
 Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	139441		
223	63.3	31.6	94.8	
227	63.1	32.6	97.7	





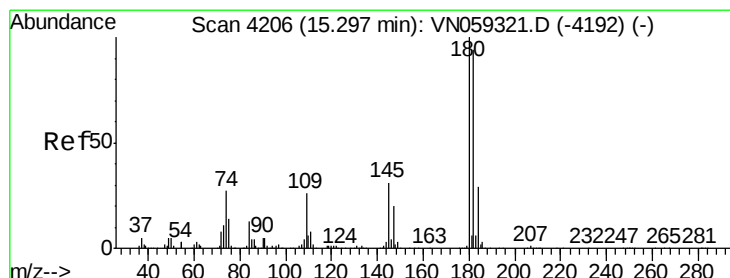
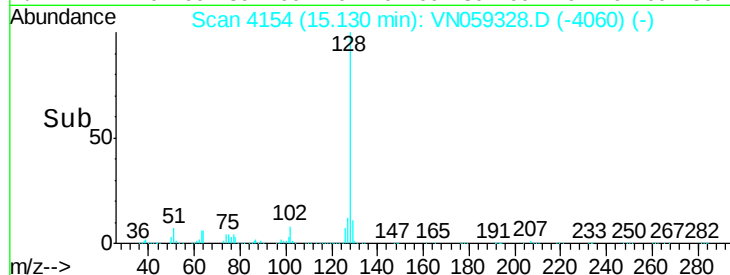
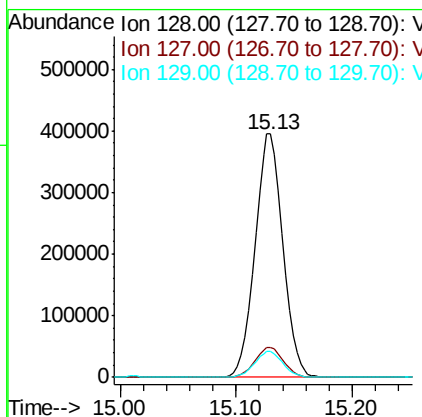
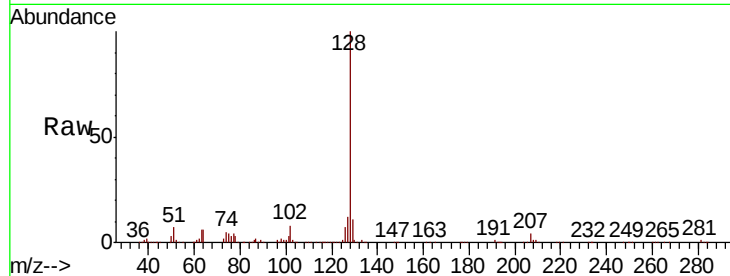
#95
Naphthalene
Concen: 42.190 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 44.137 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059328.D
Acq: 21 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.1	141.4
145	31.3	15.6	46.8

