

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121119\
 Data File : VN059554.D
 Acq On : 11 Dec 2019 11:22
 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
 12/12/2019 11:27:17 AM

Quant Time: Dec 12 04:25:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	286446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	450156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	417079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205744	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	181009	45.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.42%	
35) Dibromofluoromethane	7.56	113	127987	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
50) Toluene-d8	10.08	98	601077	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	
62) 4-Bromofluorobenzene	12.40	95	187978	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	139366	42.183	ug/l	98
3) Chloromethane	2.04	50	225887	45.166	ug/l	99
4) Vinyl Chloride	2.17	62	220121	44.653	ug/l	100
5) Bromomethane	2.55	94	130593	43.493	ug/l	99
6) Chloroethane	2.68	64	127284	43.240	ug/l	97
7) Trichlorofluoromethane	3.00	101	257585	43.711	ug/l	100
8) Diethyl Ether	3.38	74	89303	44.220	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.73	101	139898	45.617	ug/l	94
10) Methyl Iodide	3.92	142	194749	46.897	ug/l	95
11) Tert butyl alcohol	4.74	59	131641	198.759	ug/l	98
12) 1,1-Dichloroethene	3.71	96	137129	45.995	ug/l	85
13) Acrolein	3.58	56	124743	387.037	ug/l	99
14) Allyl chloride	4.29	41	221284	38.584	ug/l #	90
15) Acrylonitrile	4.95	53	419126	239.935	ug/l	97
16) Acetone	3.78	43	376685m	201.418	ug/l	
17) Carbon Disulfide	4.03	76	434731	45.942	ug/l	100
18) Methyl Acetate	4.29	43	204613	41.672	ug/l	96
19) Methyl tert-butyl Ether	5.01	73	461022	46.519	ug/l	99
20) Methylene Chloride	4.52	84	158684	47.069	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	152263	47.584	ug/l	95
22) Diisopropyl ether	5.92	45	574034	52.577	ug/l	93
23) Vinyl Acetate	5.86	43	2325203	255.306	ug/l	98
24) 1,1-Dichloroethane	5.82	63	310866	50.149	ug/l	100
25) 2-Butanone	6.80	43	677941	269.311	ug/l	99
26) 2,2-Dichloropropane	6.79	77	279188	49.854	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	190537	52.939	ug/l	97
28) Bromochloromethane	7.17	49	120302	50.781	ug/l	100
29) Tetrahydrofuran	7.18	42	361796	206.622	ug/l	99
30) Chloroform	7.35	83	265444	43.388	ug/l	96
31) Cyclohexane	7.63	56	249236	41.316	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	234873	43.275	ug/l	100
36) 1,1-Dichloropropene	7.77	75	204304	44.237	ug/l	100
37) Ethyl Acetate	6.90	43	267825	49.738	ug/l	99
38) Carbon Tetrachloride	7.75	117	204479	44.918	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	242413	46.793	ug/l	98
40) Benzene	8.02	78	588247	44.586	ug/l	100
41) Methacrylonitrile	7.15	41	100610m	44.827	ug/l	
42) 1,2-Dichloroethane	8.10	62	226714	46.120	ug/l	99
43) Isopropyl Acetate	8.14	43	362213	45.433	ug/l	100
44) Trichloroethene	8.82	130	151344	45.406	ug/l	99
45) 1,2-Dichloropropane	9.10	63	159063	45.510	ug/l	100
46) Dibromomethane	9.19	93	103598	44.851	ug/l	98
47) Bromodichloromethane	9.39	83	211957	46.172	ug/l	99
48) Methyl methacrylate	9.18	41	160836	46.139	ug/l	98
49) 1,4-Dioxane	9.18	88	39445	884.410	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1312854	259.205	ug/l	98
52) Toluene	10.14	92	438438	55.773	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	248254	46.414	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	260561	47.598	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	143364	45.092	ug/l	98
56) Ethyl methacrylate	10.42	69	219277	40.461	ug/l	100
57) 1,3-Dichloropropane	10.70	76	249510	45.951	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	369931	284.026	ug/l	99
59) 2-Hexanone	10.74	43	860787	222.723	ug/l	100
60) Dibromochloromethane	10.89	129	158482	41.939	ug/l	100
61) 1,2-Dibromoethane	11.00	107	149411	45.142	ug/l	99
64) Tetrachloroethene	10.62	164	140722	46.165	ug/l	99
65) Chlorobenzene	11.43	112	383555	43.889	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	143492	44.024	ug/l	99
67) Ethyl Benzene	11.51	91	707059	44.961	ug/l	100
68) m/p-Xylenes	11.62	106	527652	89.443	ug/l	96
69) o-Xylene	11.94	106	249440	45.428	ug/l	96
70) Styrene	11.96	104	409190	44.982	ug/l	98
71) Bromoform	12.12	173	112412	43.832	ug/l #	99
73) Isopropylbenzene	12.25	105	681967	44.189	ug/l	100
74) N-amyl acetate	12.07	43	311363	46.316	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	216243	41.351	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	223029m	42.390	ug/l	
77) Bromobenzene	12.52	156	160706	41.827	ug/l	95
78) n-propylbenzene	12.59	91	829213	43.724	ug/l	99
79) 2-Chlorotoluene	12.67	91	477292	42.207	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	583178	44.066	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	83353	42.624	ug/l	89
82) 4-Chlorotoluene	12.77	91	504855	43.661	ug/l	98
83) tert-Butylbenzene	12.99	119	488255	44.242	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	591612	45.273	ug/l	98
85) sec-Butylbenzene	13.17	105	680606	44.899	ug/l	99
86) p-Isopropyltoluene	13.29	119	620555	45.803	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	301063	42.542	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	296694	42.817	ug/l	99
89) n-Butylbenzene	13.61	91	590629	46.428	ug/l	98
90) Hexachloroethane	13.87	117	115812	46.546	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	287562	43.300	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49300	41.482	ug/l	93

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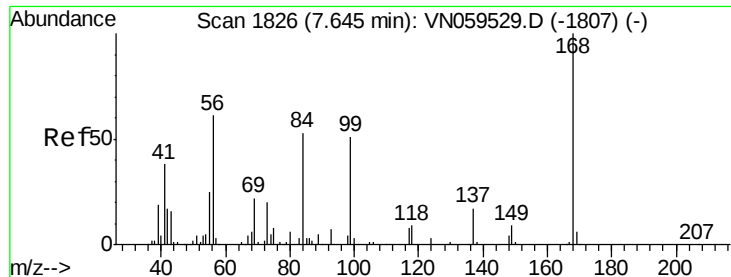
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	186347	40.569	ug/l	99
94) Hexachlorobutadiene	15.01	225	100560	42.852	ug/l	99
95) Naphthalene	15.12	128	523653	39.000	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	177607	40.193	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 286446

Ion Ratio Lower Upper

168 100

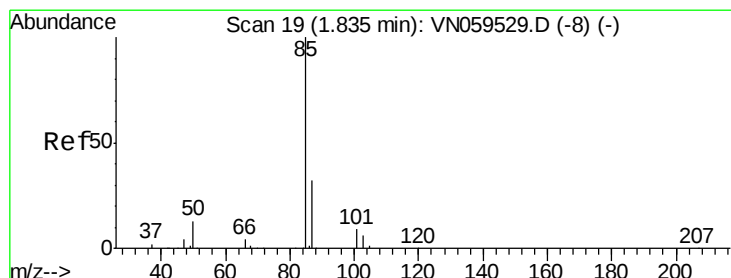
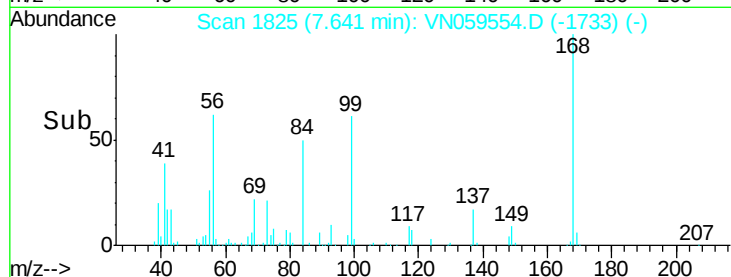
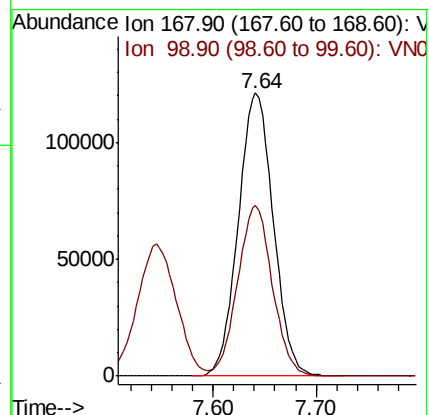
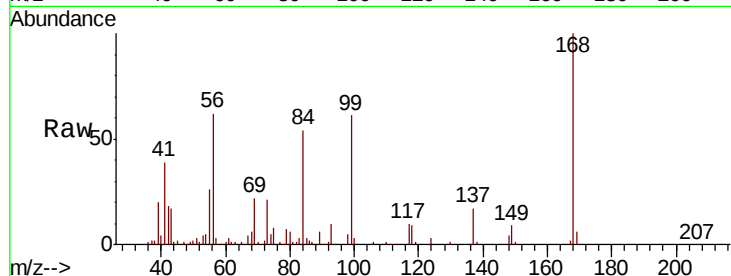
99 60.3 46.6 70.0

Manual Integrations

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12/12/2019 11:27:17 AM



#2

Dichlorodifluoromethane

Concen: 42.183 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059554.D

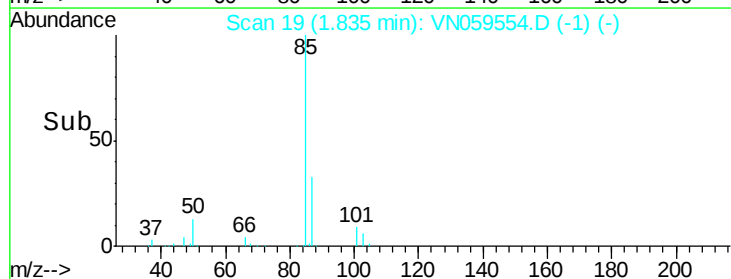
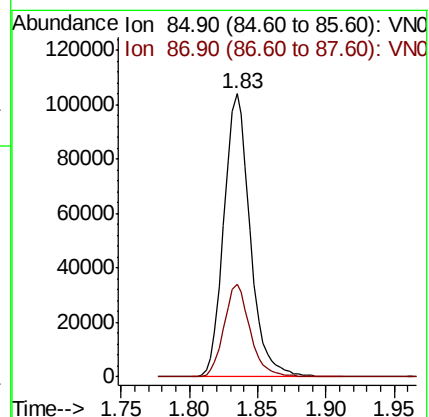
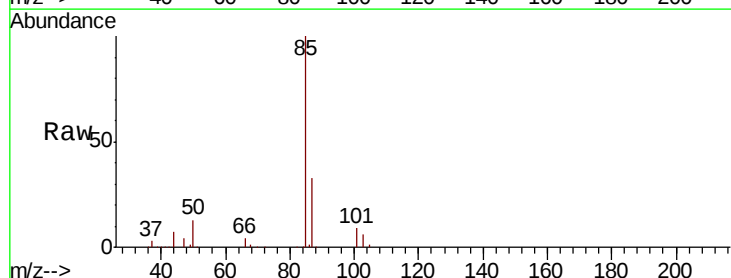
Acq: 11 Dec 2019 11:22

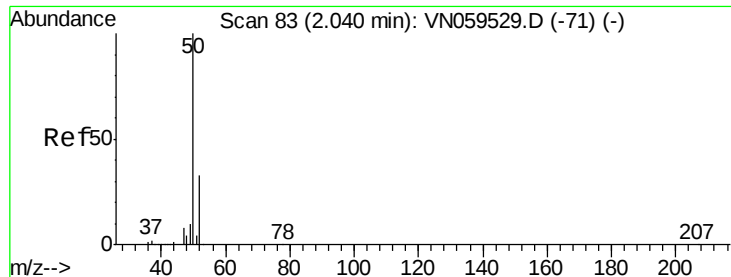
Tgt Ion: 85 Resp: 139366

Ion Ratio Lower Upper

85 100

87 32.9 16.0 48.0





#3

Chloromethane

Concen: 45.166 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 225887

Ion Ratio Lower Upper

50 100

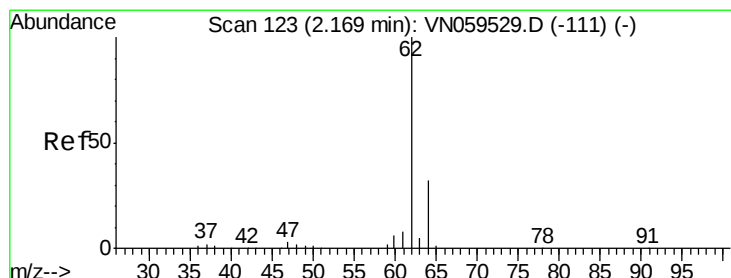
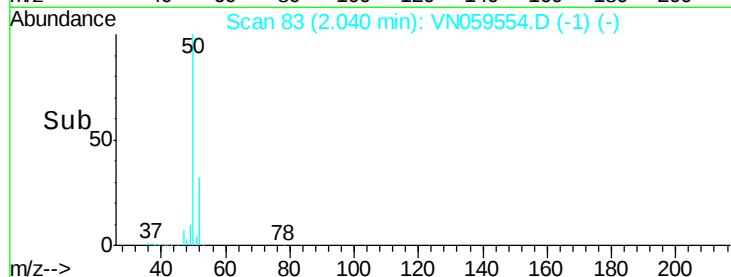
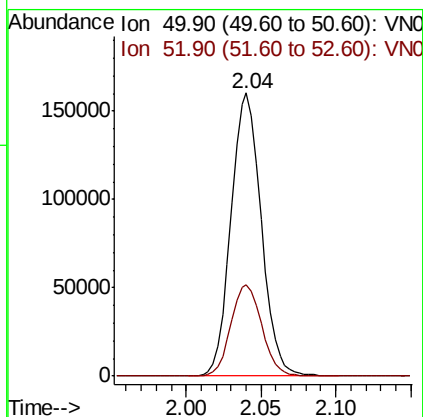
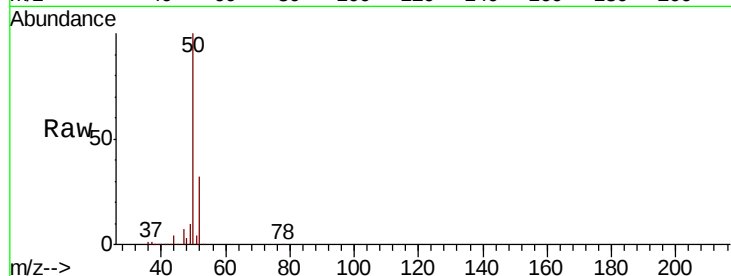
52 32.5 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.653 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059554.D

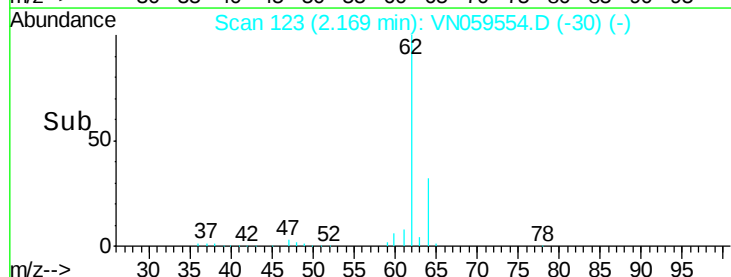
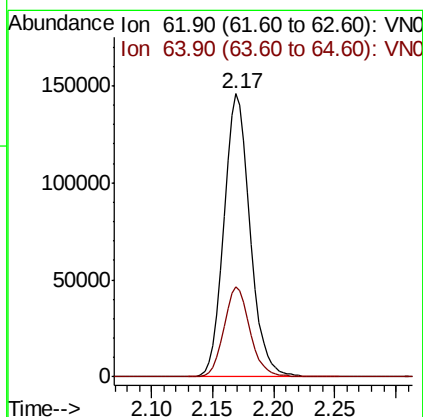
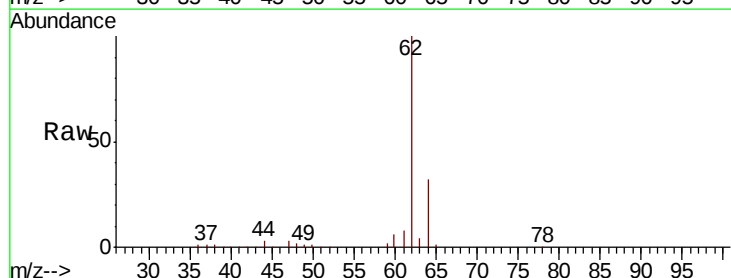
Acq: 11 Dec 2019 11:22

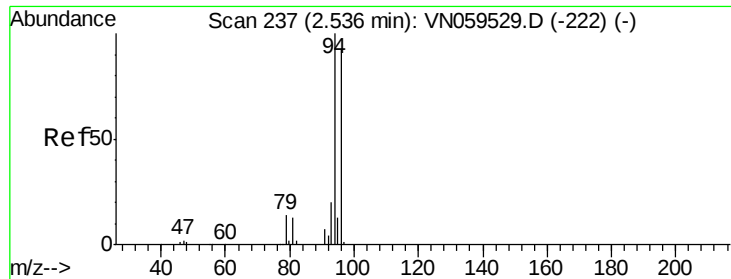
Tgt Ion: 62 Resp: 220121

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 43.493 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 130593

Ion Ratio Lower Upper

94 100

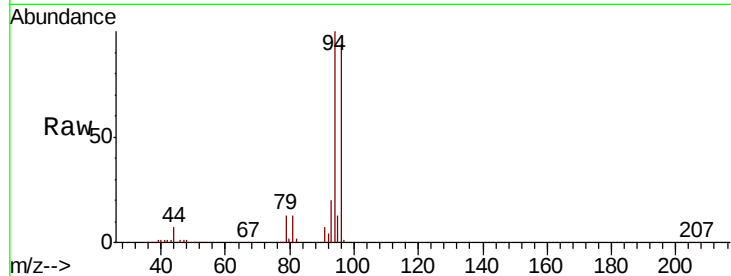
96 94.2 74.6 112.0

Manual Integrations

APPROVED

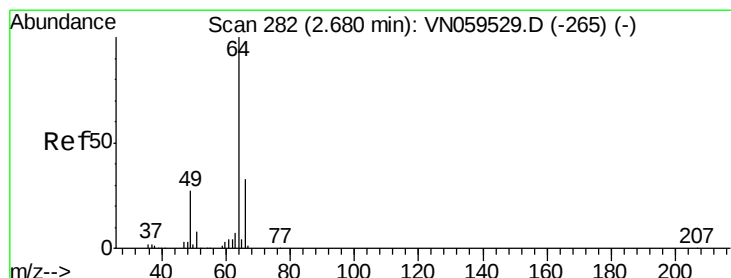
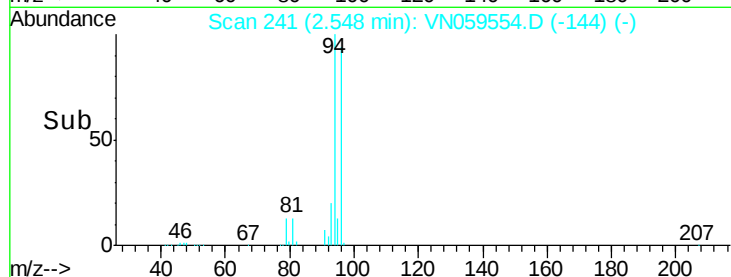
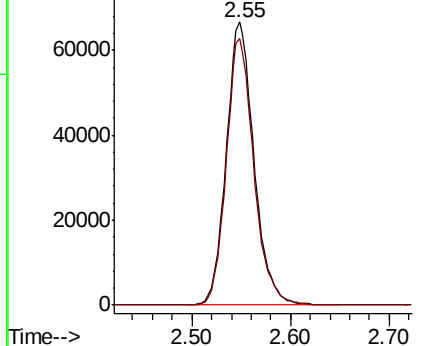
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.240 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059554.D

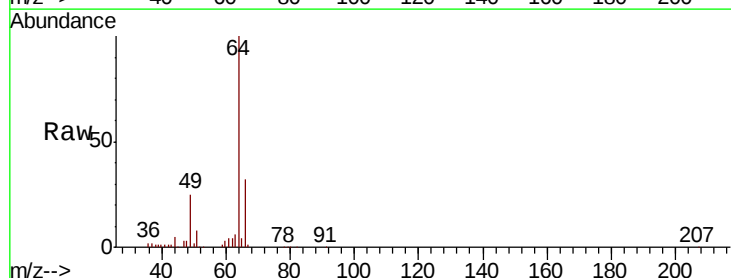
Acq: 11 Dec 2019 11:22

Tgt Ion: 64 Resp: 127284

Ion Ratio Lower Upper

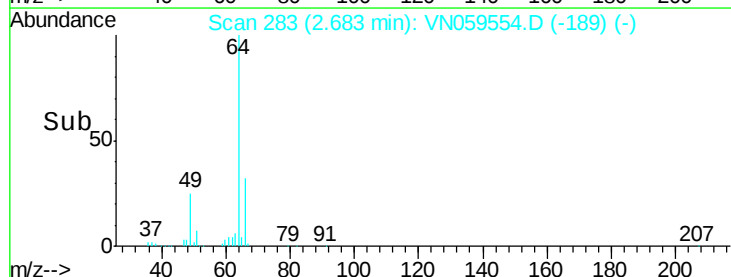
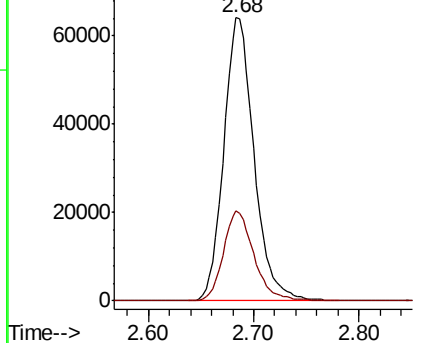
64 100

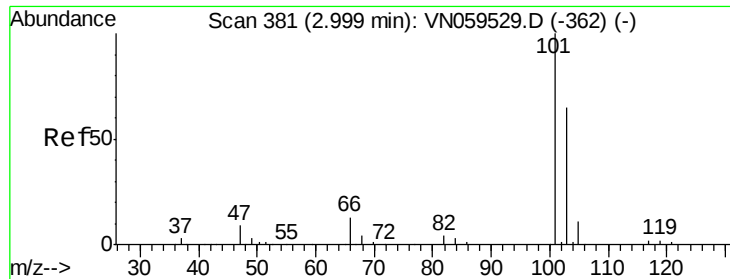
66 31.7 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

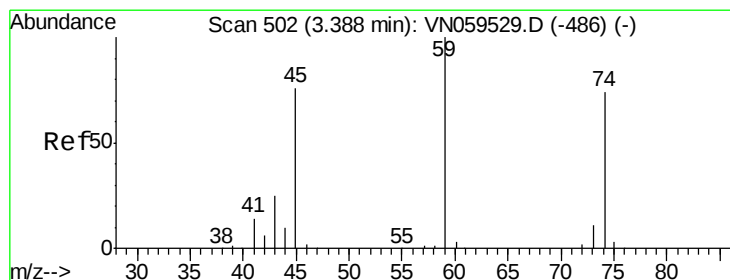
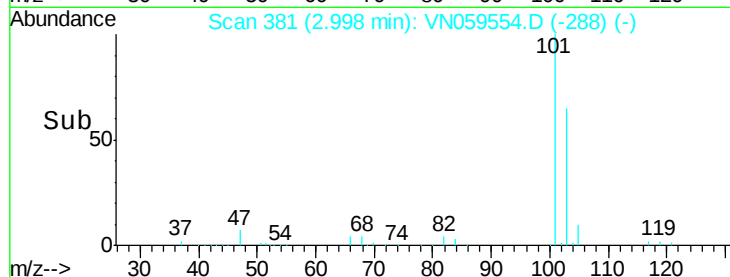
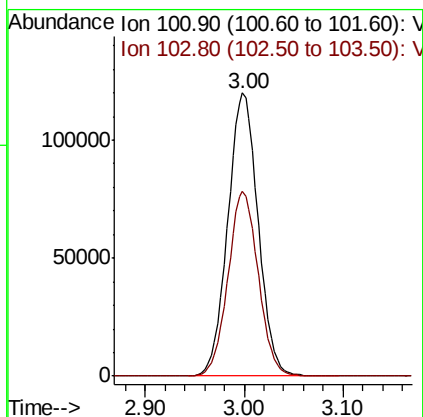
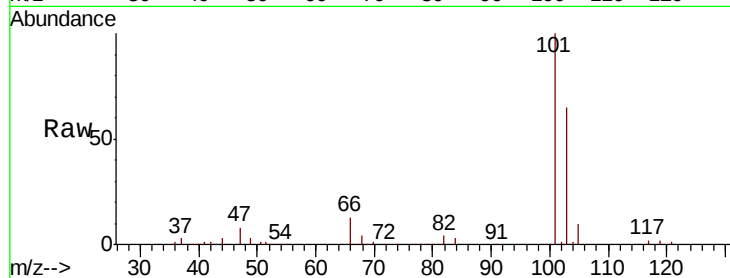
Trichlorofluoromethane
Concen: 43.711 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		257585		
103	65.2	52.2	78.4		

Manual Integrations
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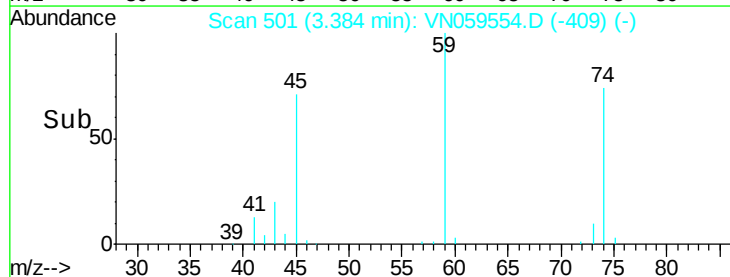
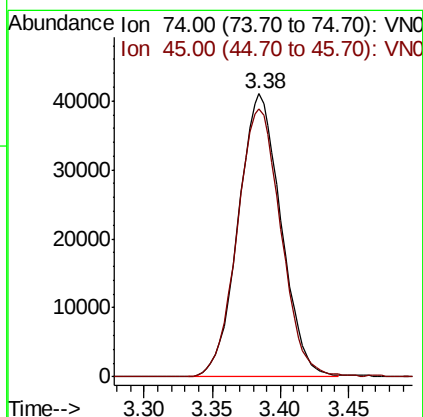
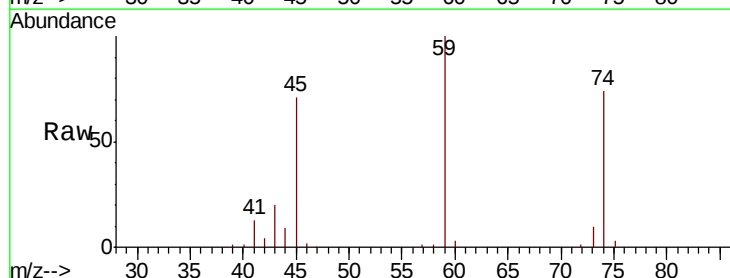
MMDadoda
12/12/2019 11:27:17 AM

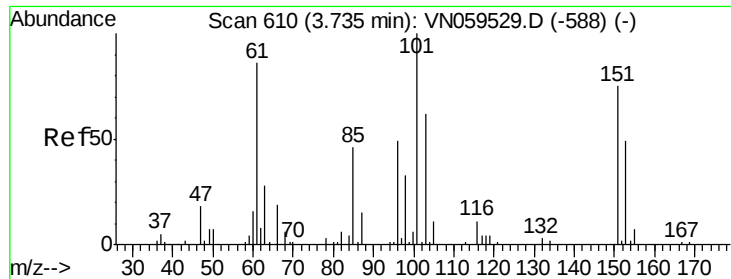


#8

Diethyl Ether
Concen: 44.220 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		89303		
45	96.9	52.6	157.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.617 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

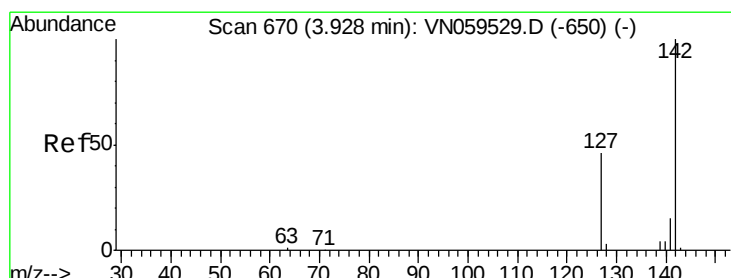
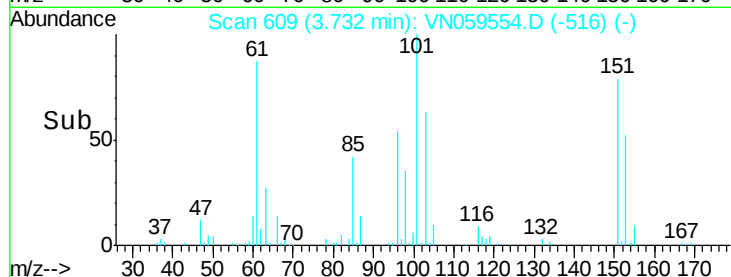
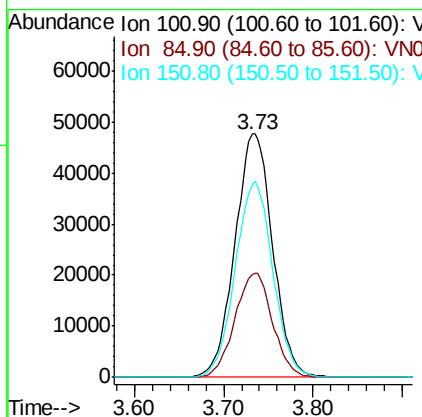
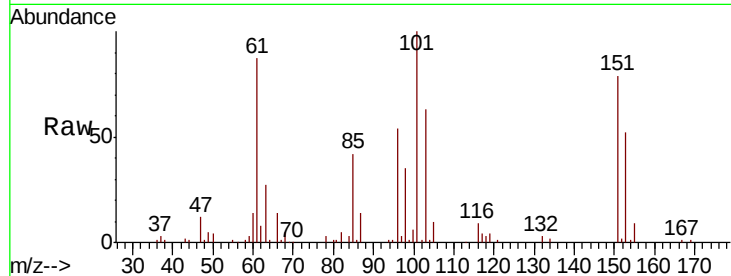
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	139898
Ion Ratio	Lower	Upper	
101	100		
85	42.6	36.6	54.8
151	80.3	59.3	88.9

Manual Integrations
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#10

Methyl Iodide

Concen: 46.897 ug/l

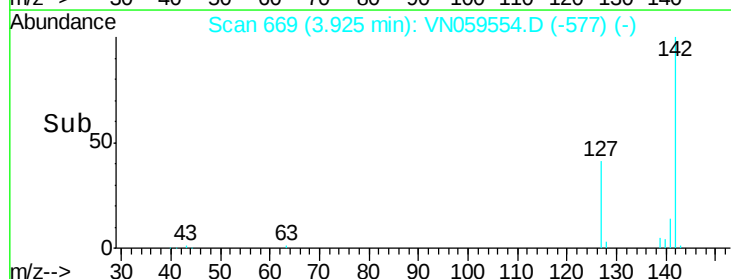
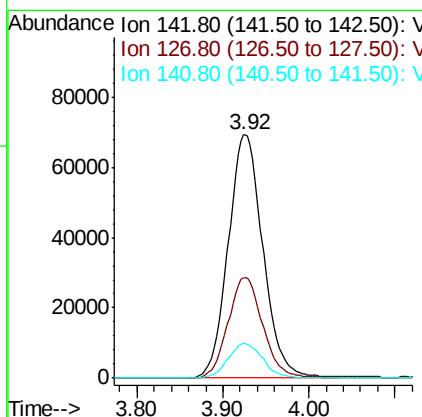
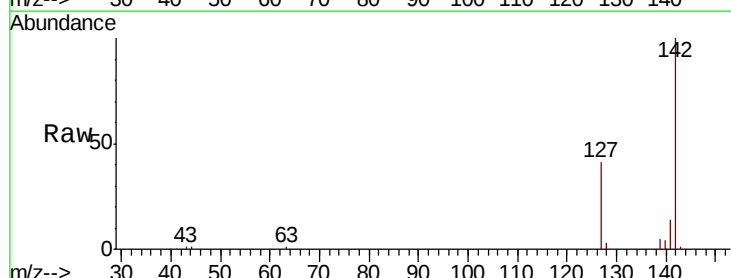
RT: 3.92 min Scan# 669

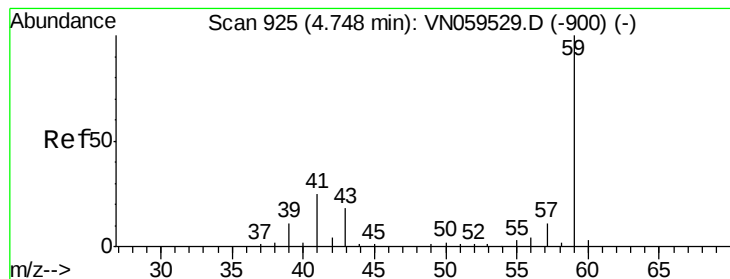
Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Tgt Ion:	142	Resp:	194749
Ion Ratio	Lower	Upper	
142	100		
127	41.3	36.6	54.8
141	14.1	11.6	17.4





#11

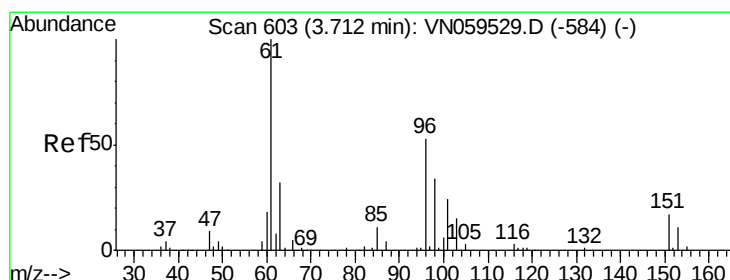
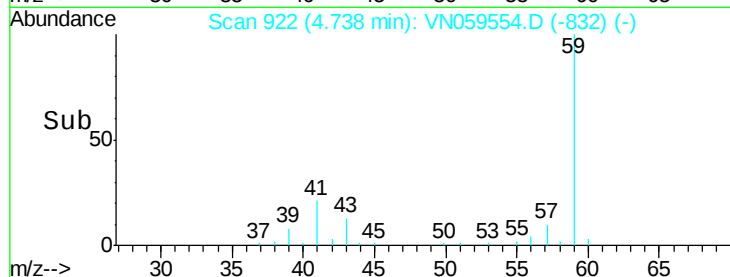
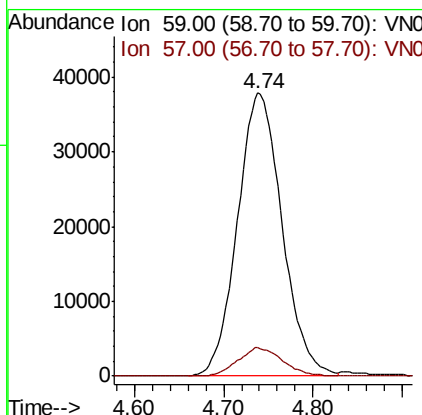
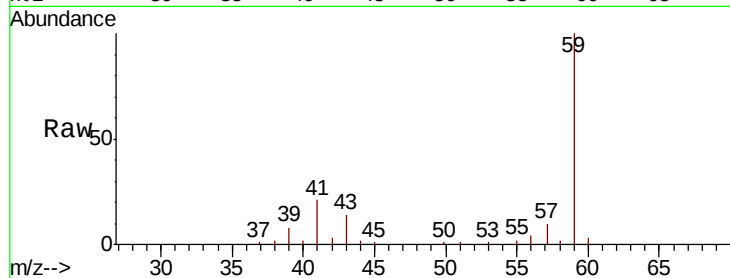
Tert butyl alcohol
Concen: 198.759 ug/l
RT: 4.74 min Scan# 922
Delta R.T. -0.01 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	131641		
57	57	10.0		8.6	13.0

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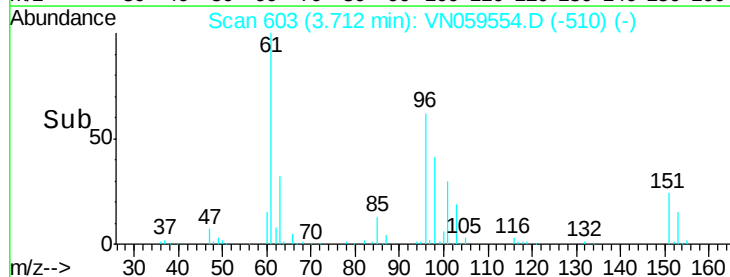
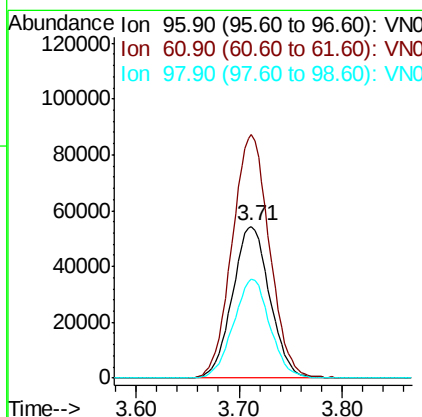
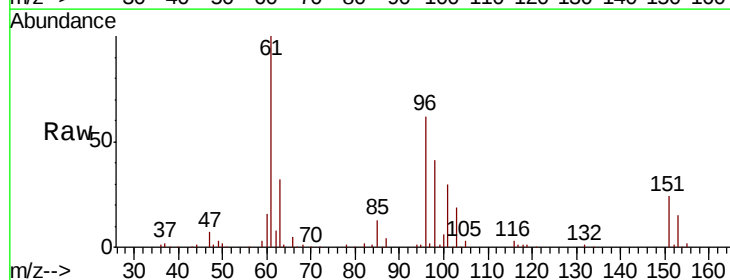
MMDadoda
12/12/2019 11:27:17 AM

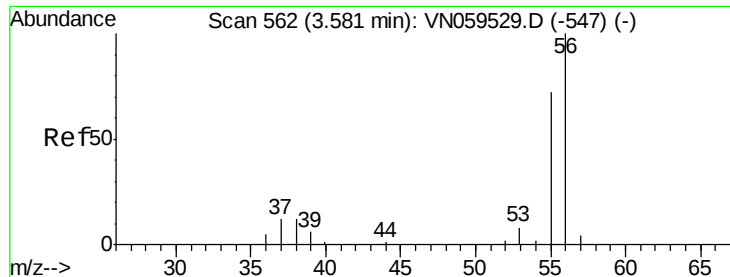


#12

1,1-Dichloroethene
Concen: 45.995 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	137129		
61	61	160.1		149.8	224.6
98	98	65.4		50.6	75.8





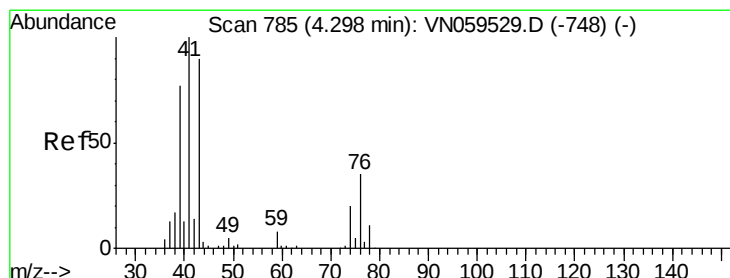
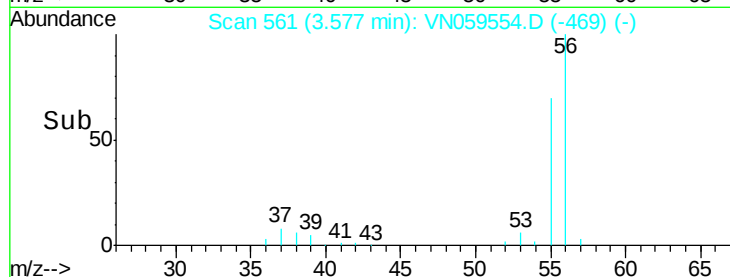
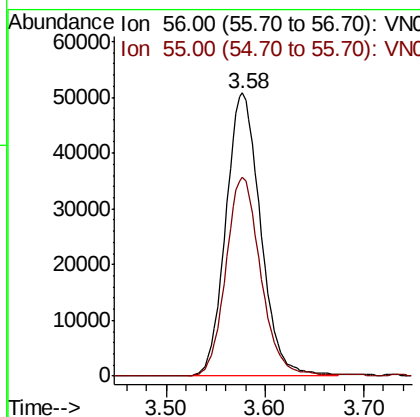
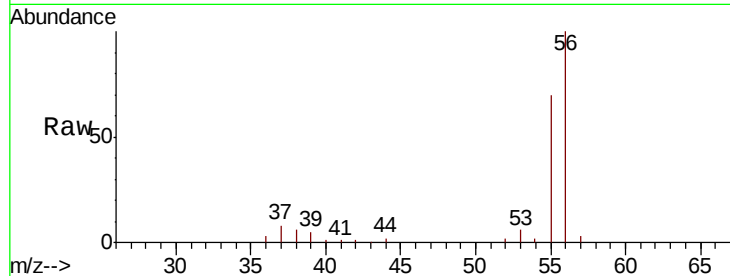
#13
Acrolein
Concen: 387.037 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	124743
Ion Ratio	Lower	Upper	
56	100		
55	70.4	56.9	85.3

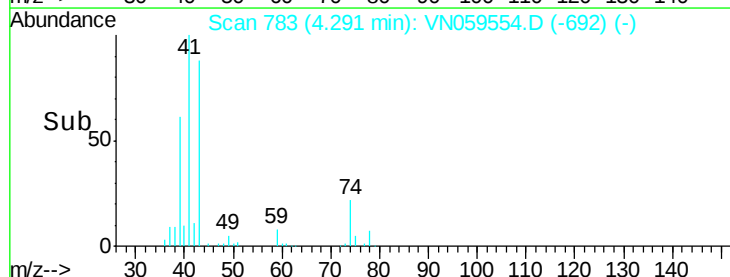
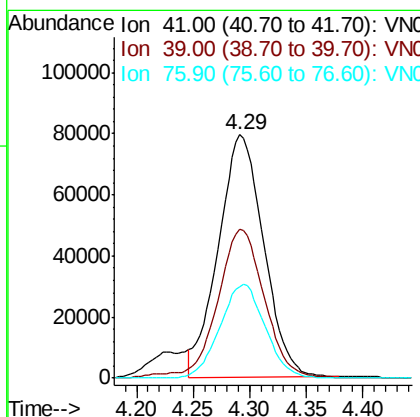
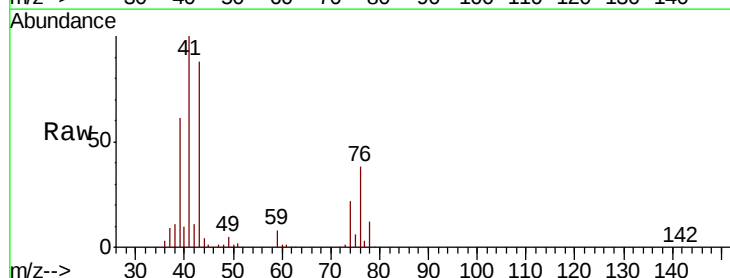
Manual Integrations
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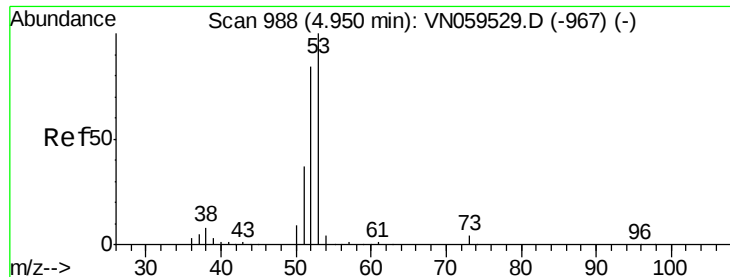
MMDadoda
12/12/2019 11:27:17 AM



#14
Allyl chloride
Concen: 38.584 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	41	Resp	221284
Ion Ratio	Lower	Upper	
41	100		
39	64.0	56.7	85.1
76	38.7	25.5	38.3#





#15

Acrylonitrile

Concen: 239.935 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

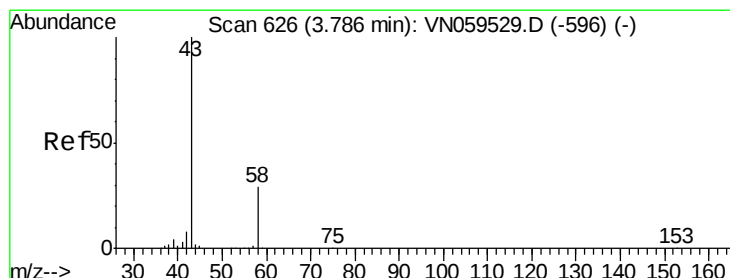
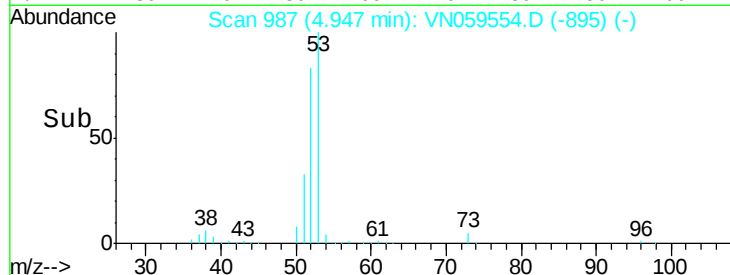
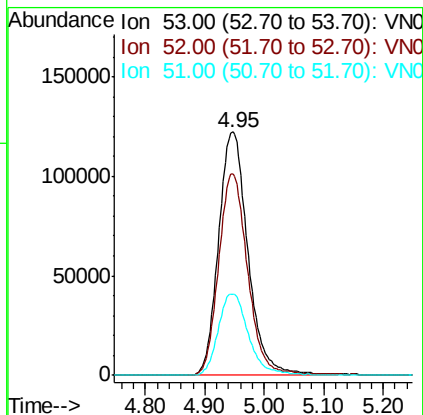
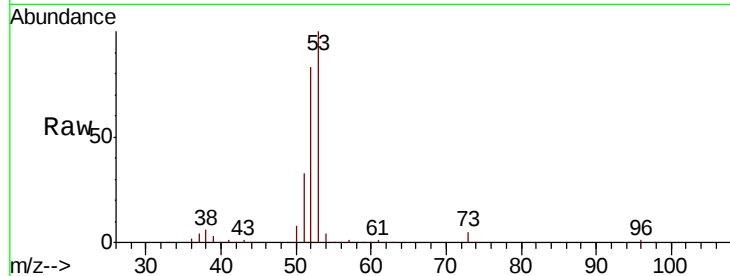
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	419126
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.6	99.8
51	34.5	29.8	44.8

Manual Integrations
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MMDadoda
12/12/2019 11:27:17 AM



#16

Acetone

Concen: 201.418 ug/l m

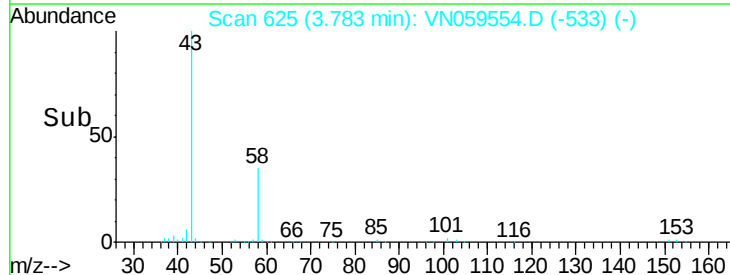
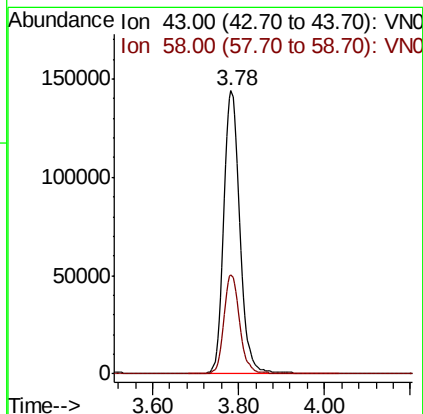
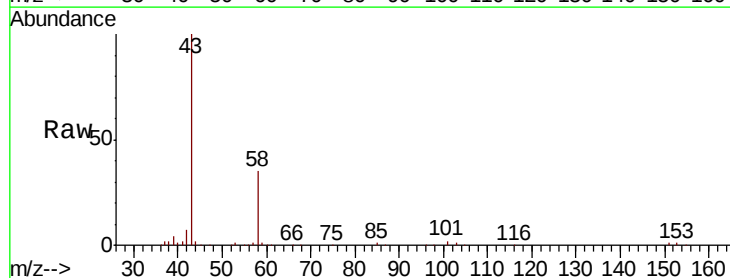
RT: 3.78 min Scan# 625

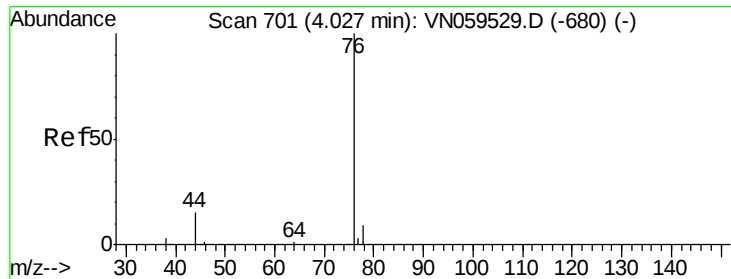
Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Tgt Ion:	43	Resp:	376685
Ion	Ratio	Lower	Upper
43	100		
58	34.9	23.0	34.4#





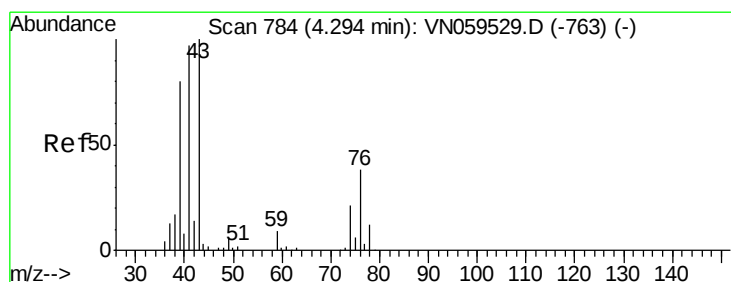
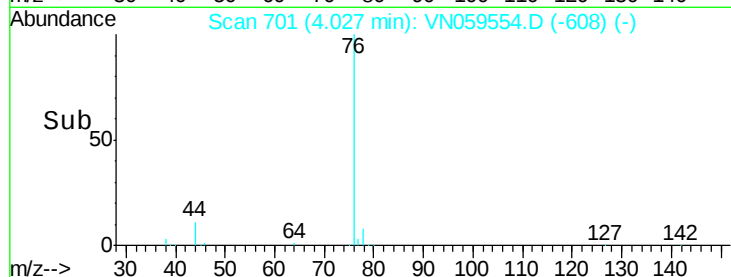
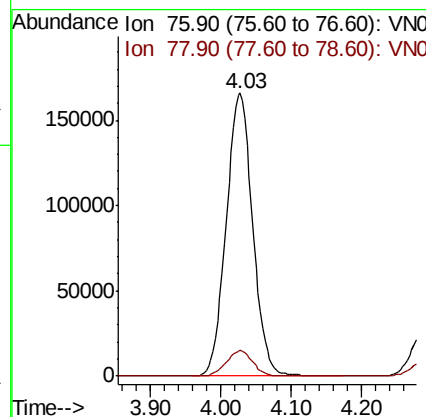
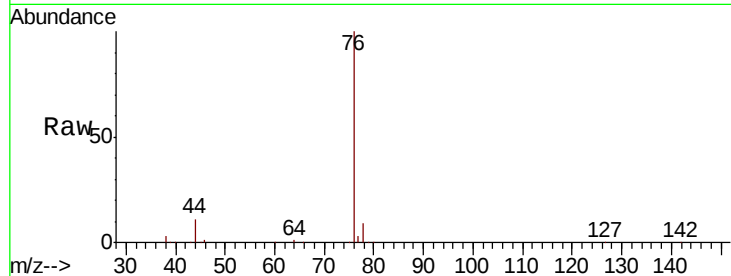
#17
Carbon Disulfide
Concen: 45.942 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

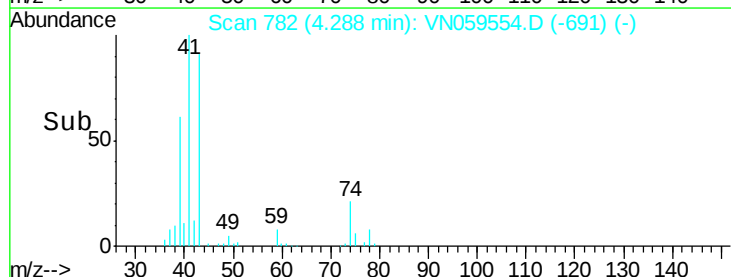
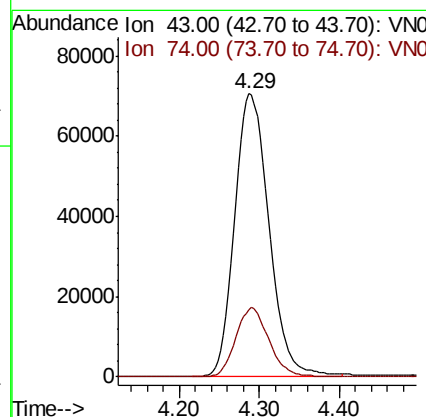
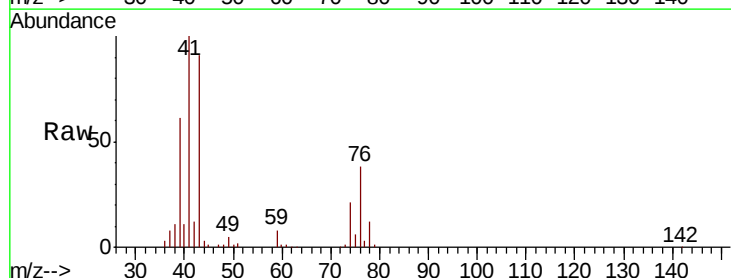
Manual Integrations
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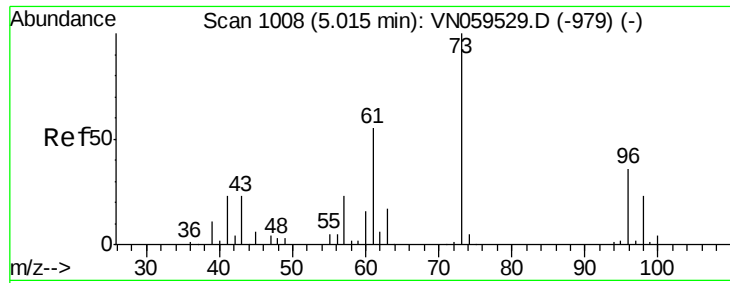
MMDadoda
12/12/2019 11:27:17 AM



#18
Methyl Acetate
Concen: 41.672 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.01 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	17.5	26.3





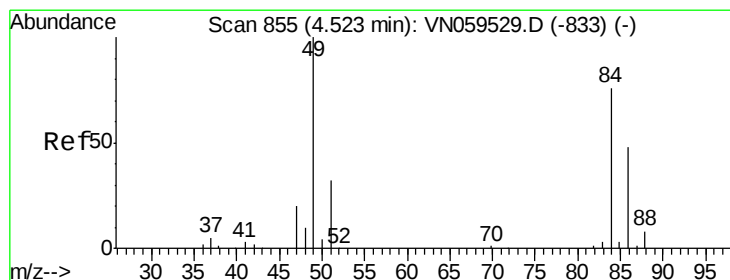
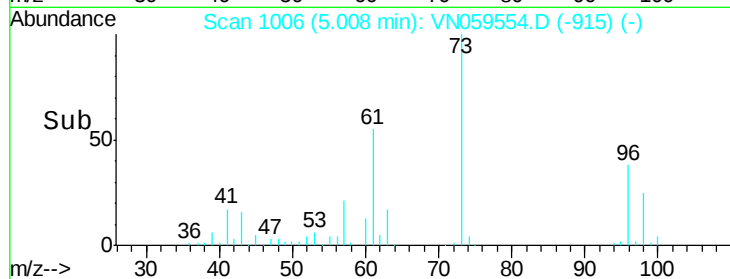
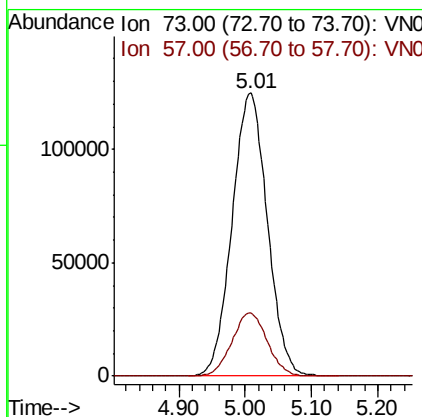
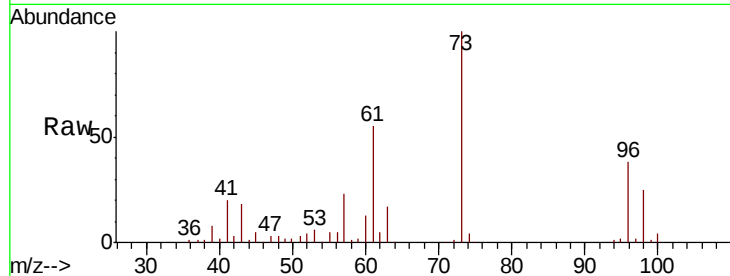
#19
Methvl tert-butvl Ether
Concen: 46.519 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 461022
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5

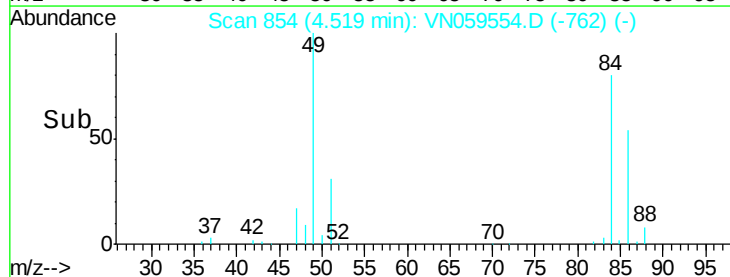
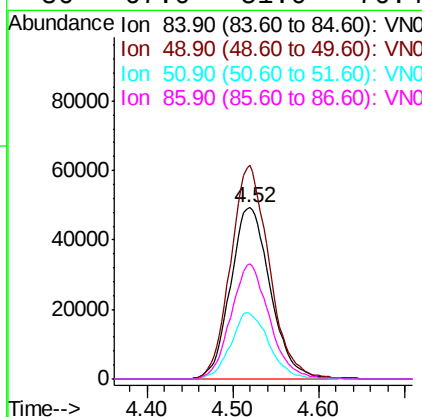
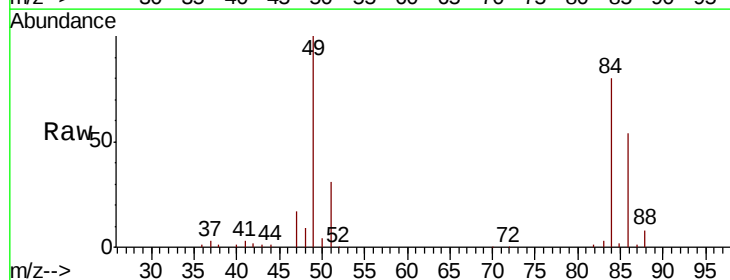
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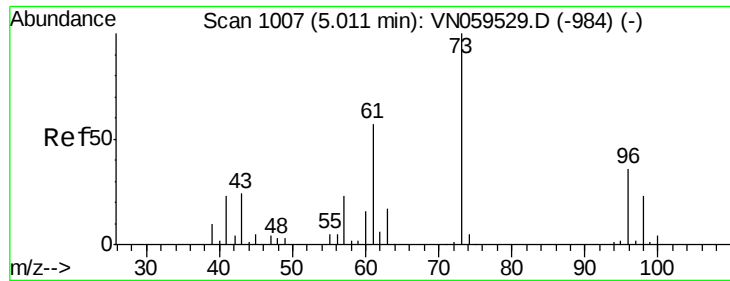
MMDadoda
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#20
Methylene Chloride
Concen: 47.069 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion: 84 Resp: 158684
Ion Ratio Lower Upper
84 100
49 124.8 105.8 158.8
51 38.5 33.7 50.5
86 67.0 51.0 76.4





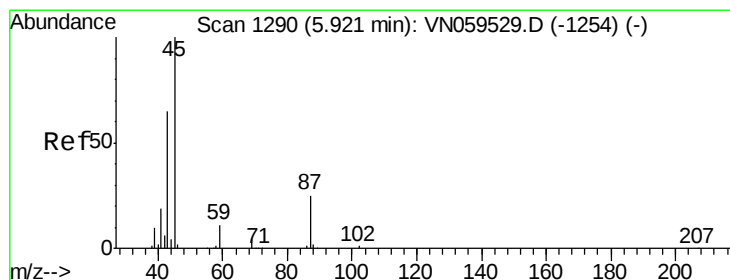
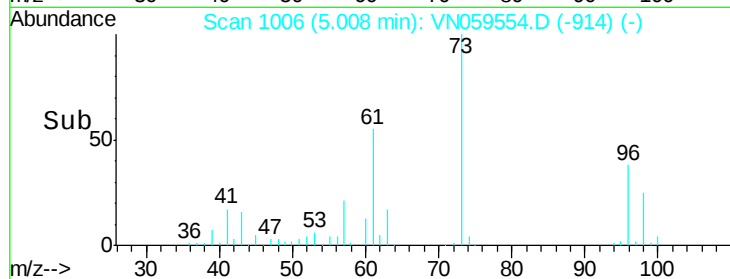
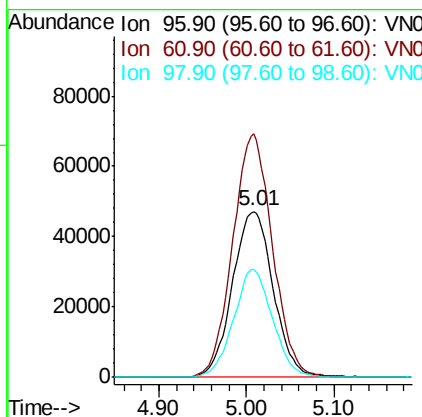
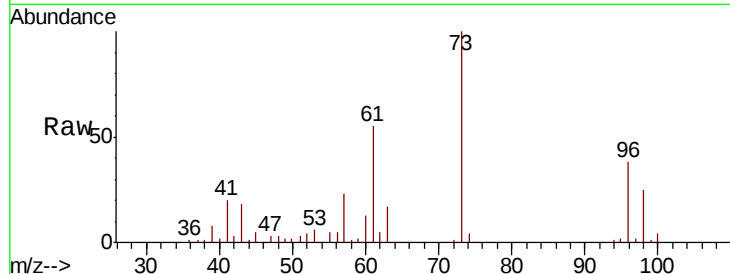
#21
trans-1,2-Dichloroethene
Concen: 47.584 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.0	124.8	187.2
98	65.0	51.0	76.4

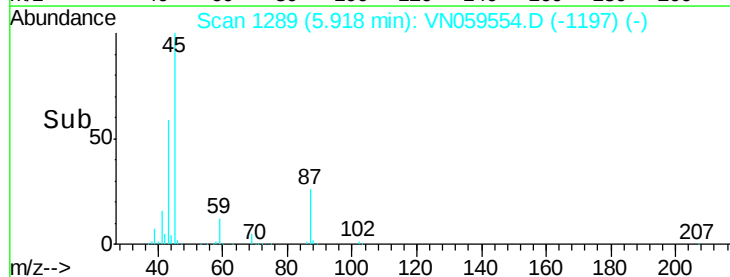
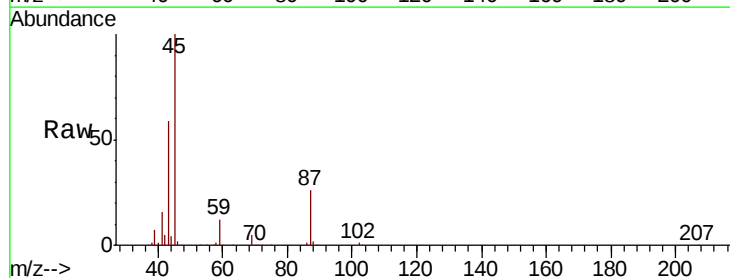
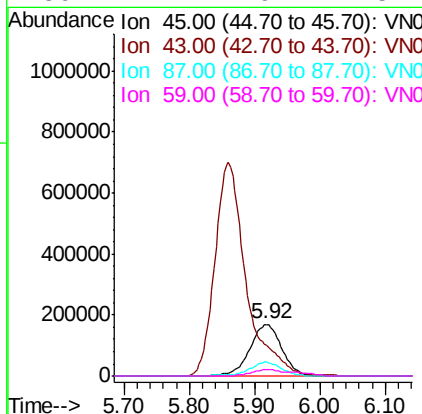
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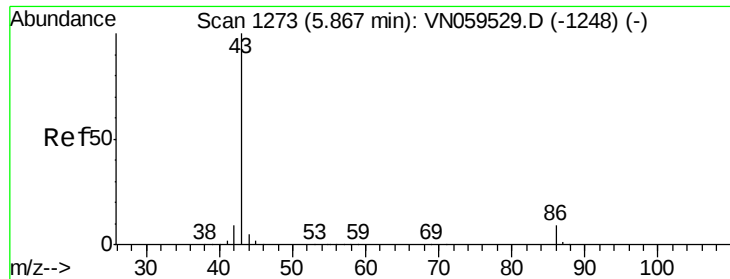
MMDadoda
12/12/2019 11:27:17 AM



#22
Diisopropyl ether
Concen: 52.577 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.9	52.8	79.2
87	26.2	20.2	30.4
59	11.7	9.1	13.7





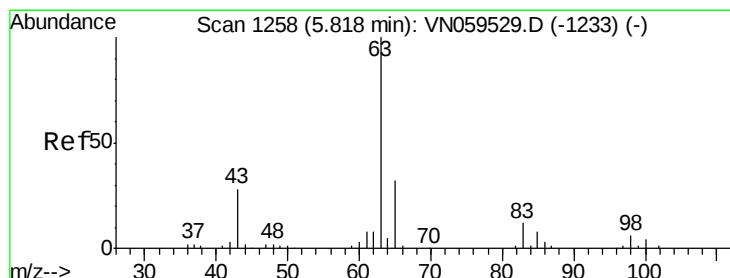
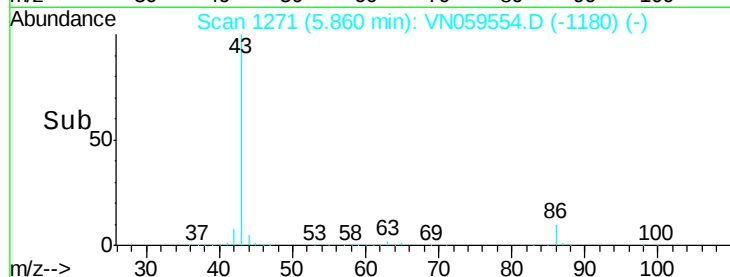
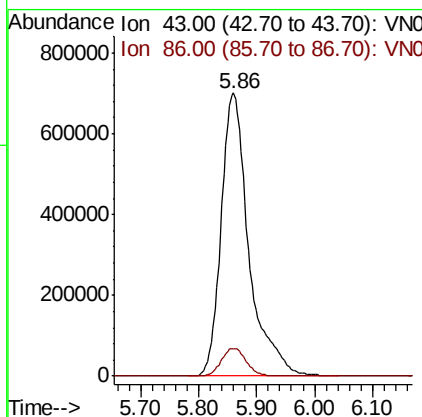
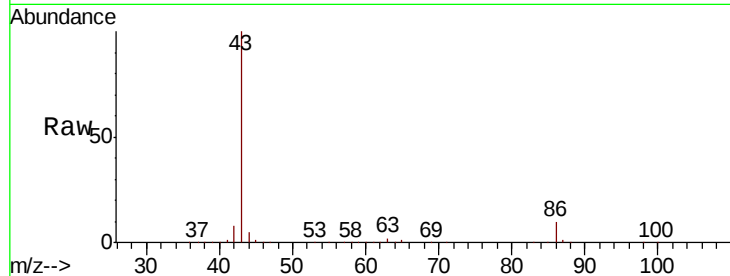
#23
 Vinyl Acetate
 Concen: 255.306 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2325203
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.4 11.2

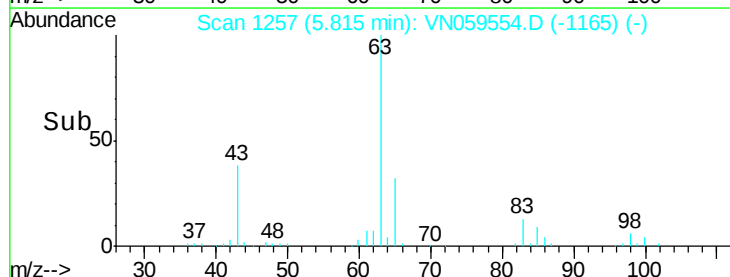
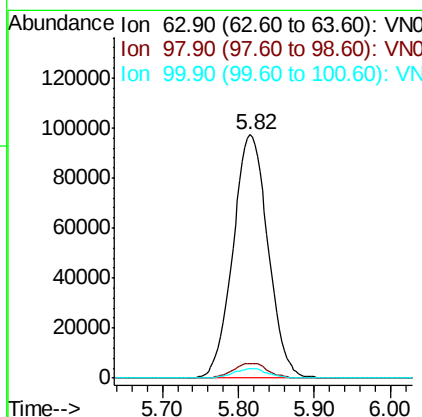
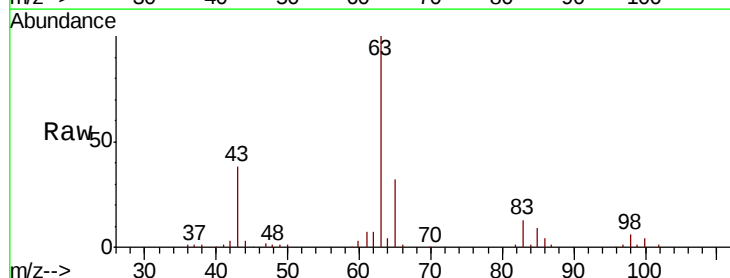
Manual Integrations
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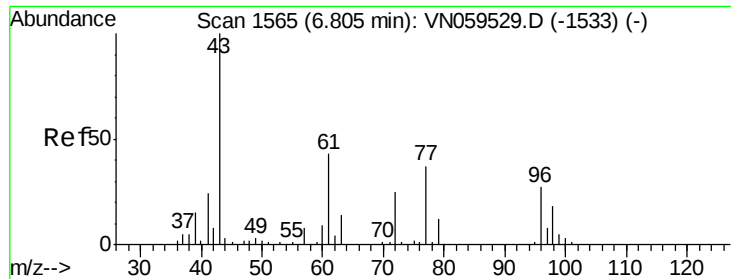
MMDadoda
 12/12/2019 11:27:17 AM



#24
 1,1-Dichloroethane
 Concen: 50.149 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion: 63 Resp: 310866
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.0
 100 3.9 1.8 5.3





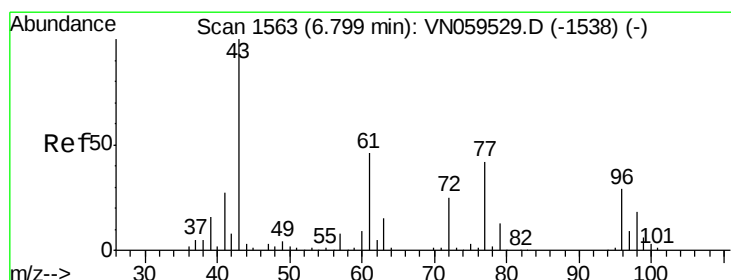
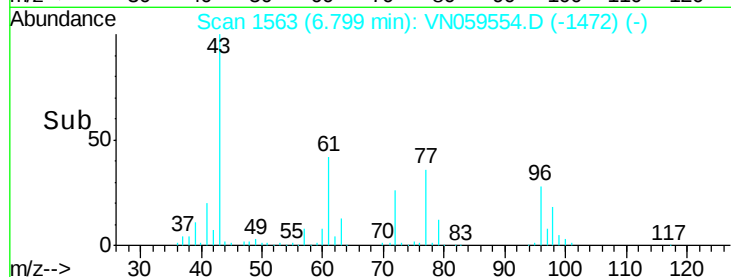
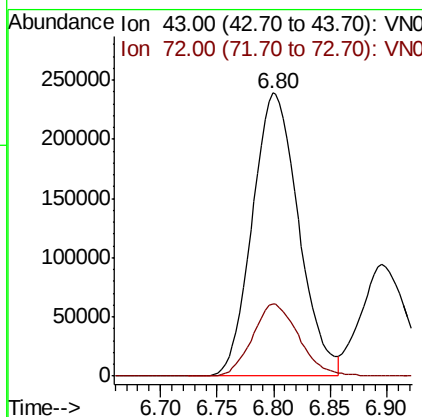
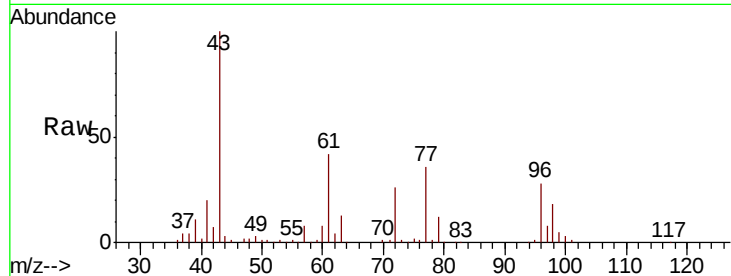
#25
2-Butanone
Concen: 269.311 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 677941
Ion Ratio Lower Upper
43 100
72 25.6 19.9 29.9

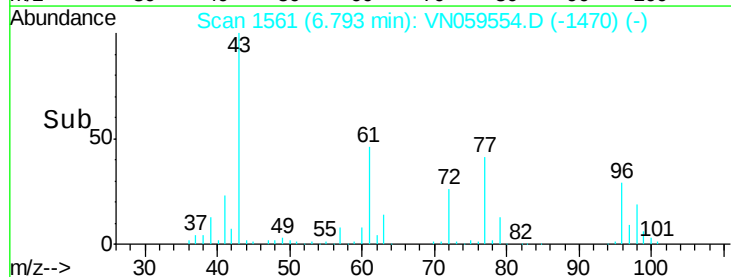
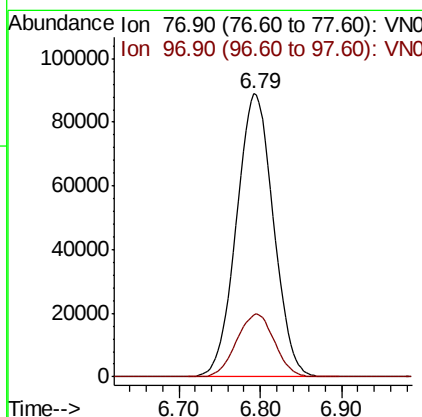
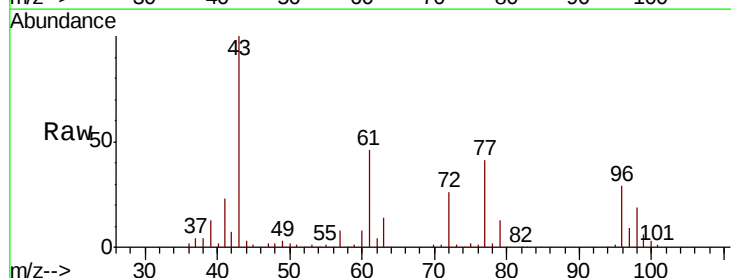
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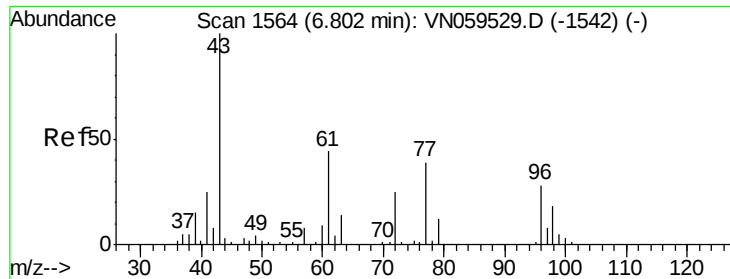
MMDadoda
12/12/2019 11:27:17 AM



#26
2,2-Dichloropropane
Concen: 49.854 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion: 77 Resp: 279188
Ion Ratio Lower Upper
77 100
97 22.8 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 52.939 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

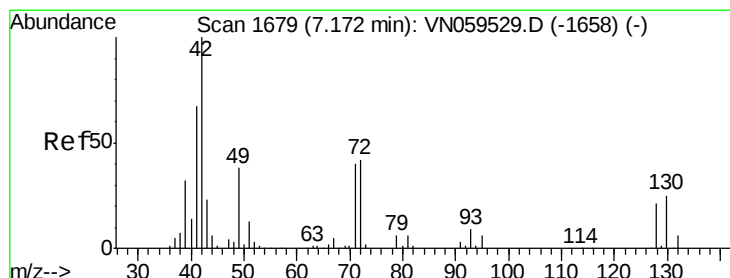
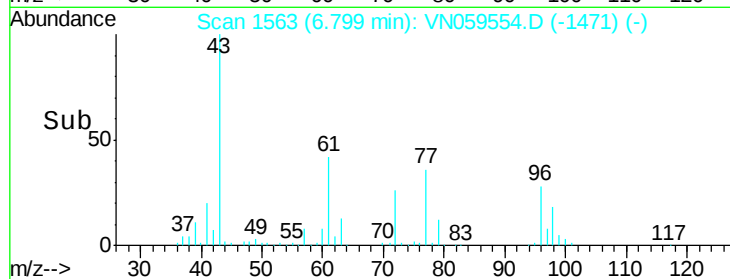
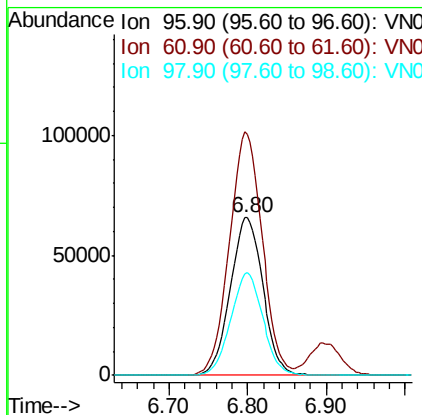
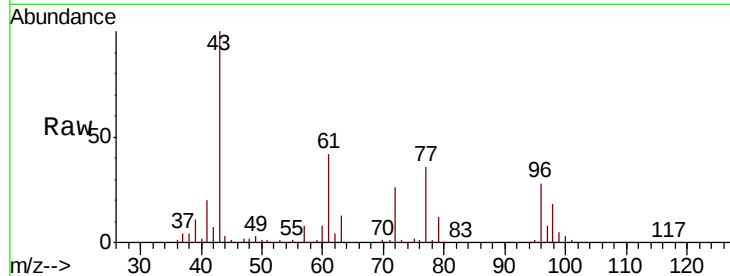
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	190537
Ion Ratio	Lower	Upper	
96	100		
61	154.7	0.0	320.0
98	64.1	0.0	128.6

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#28

Bromochloromethane

Concen: 50.781 ug/l

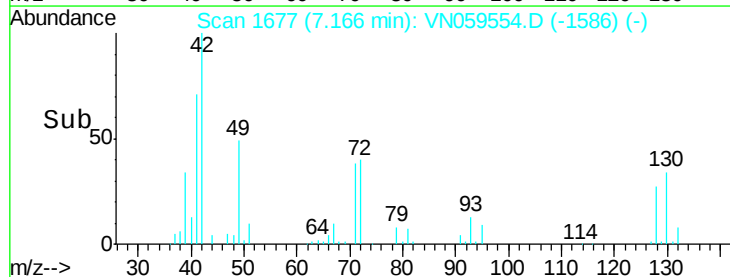
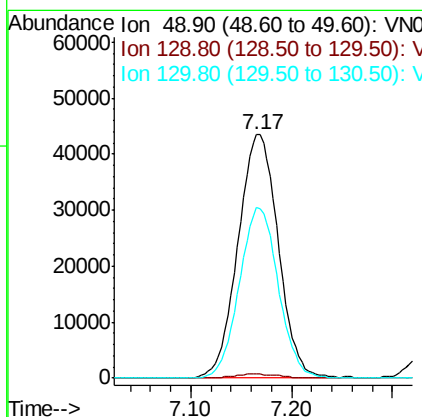
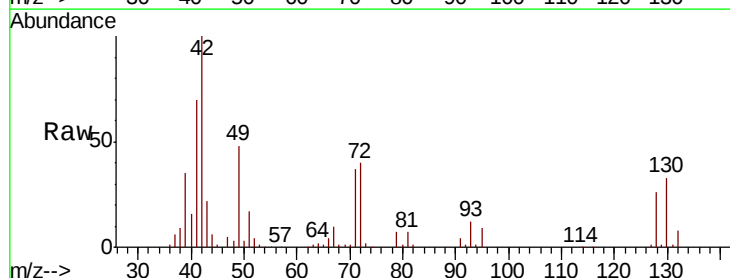
RT: 7.17 min Scan# 1677

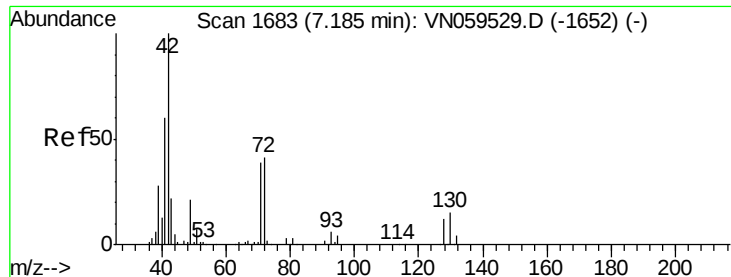
Delta R.T. -0.01 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Tgt Ion:	49	Resp:	120302
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.0
130	67.7	54.2	81.2





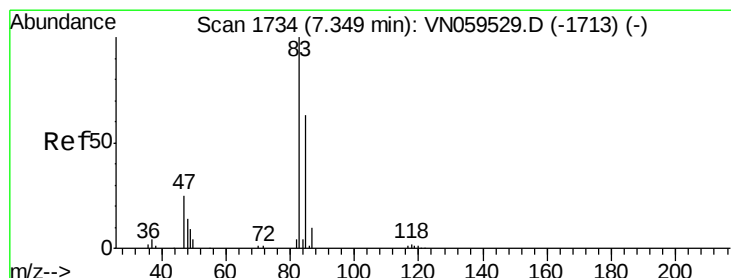
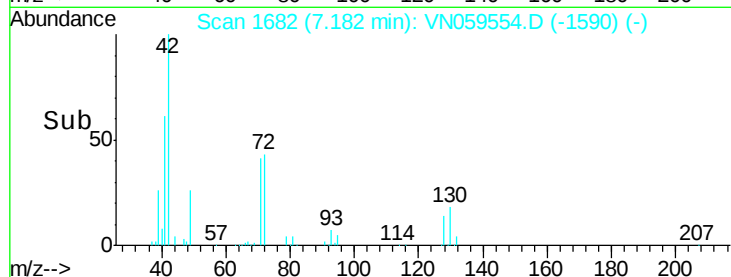
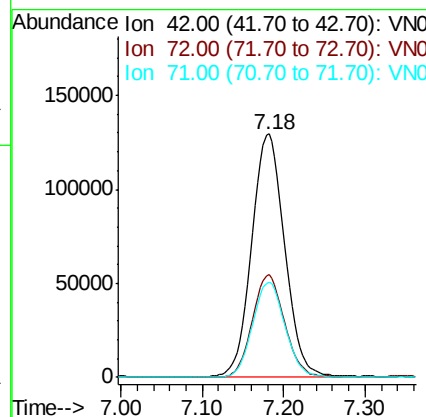
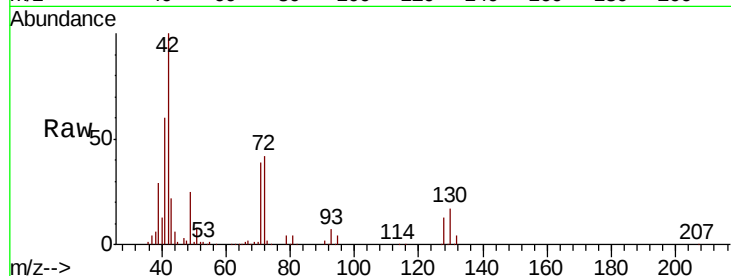
#29
Tetrahydrofuran
Concen: 206.622 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.7	49.1
71	38.5	31.4	47.2

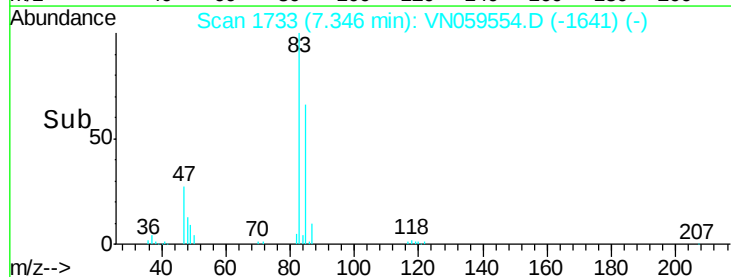
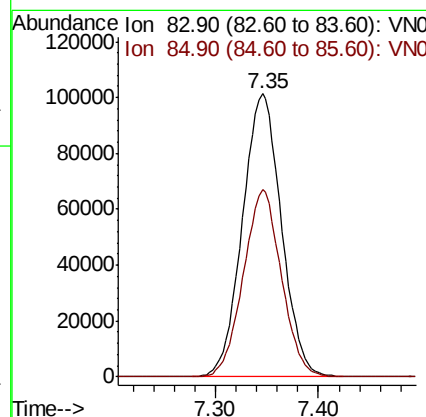
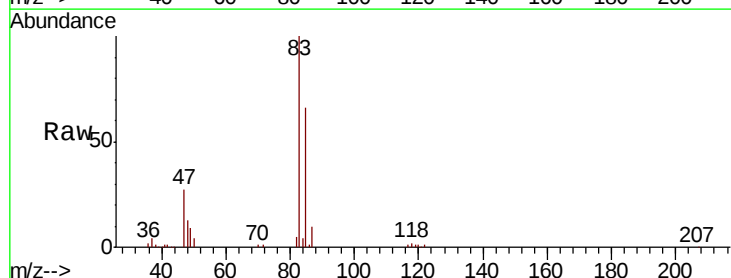
Manual Integrations
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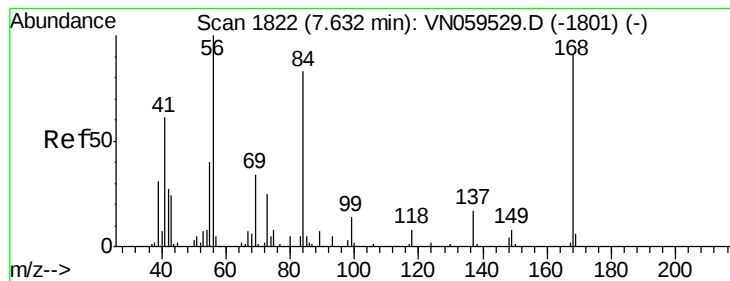
MMDadoda
12/12/2019 11:27:17 AM



#30
Chloroform
Concen: 43.388 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.6	75.8





#31

Cyclohexane

Concen: 41.316 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 249236

Ion Ratio Lower Upper

56 100

69 32.6 26.9 40.3

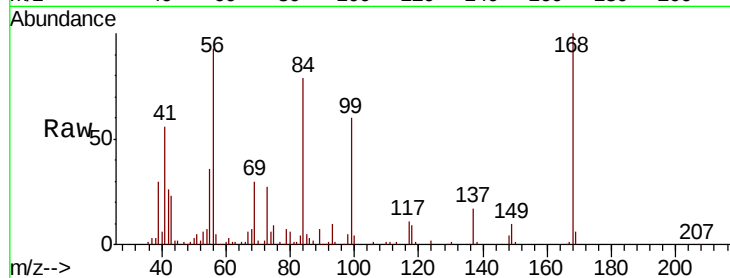
84 82.4 66.5 99.7

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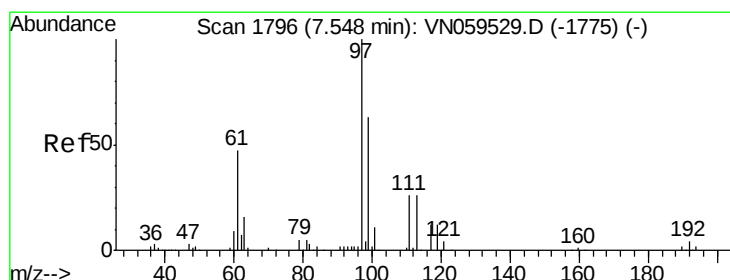
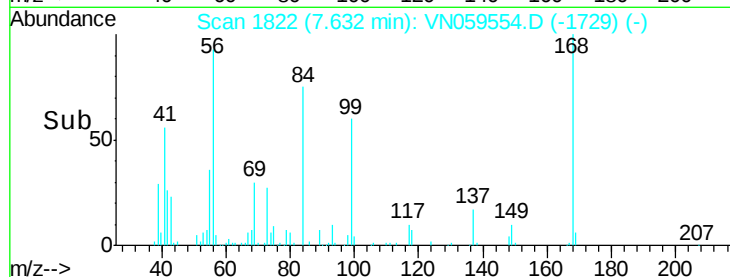
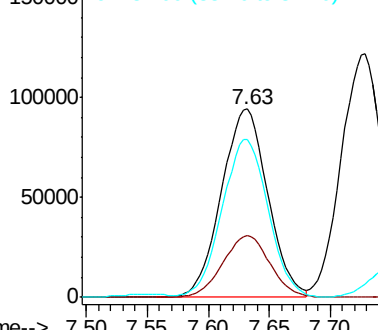


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 43.275 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

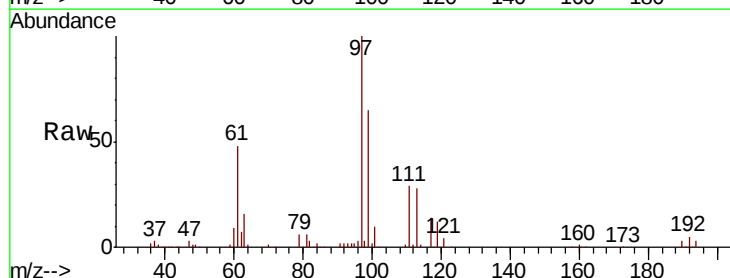
Tgt Ion: 97 Resp: 234873

Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.2

61 47.7 38.5 57.7

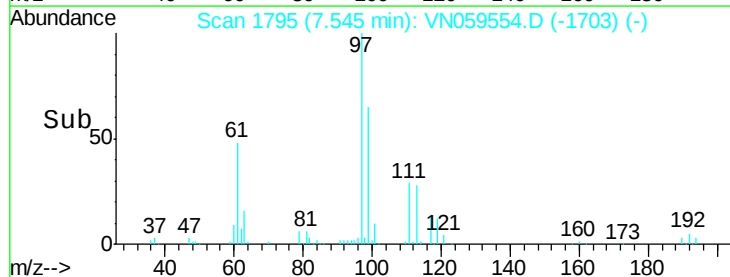
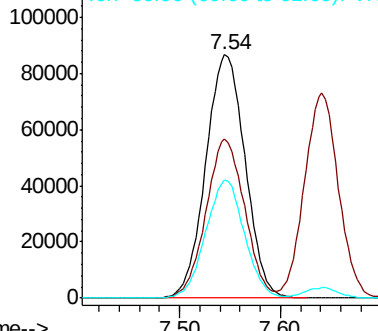


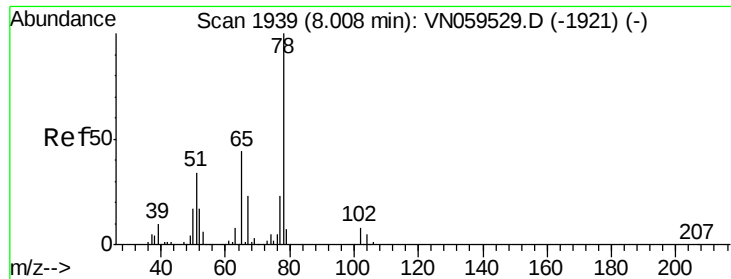
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





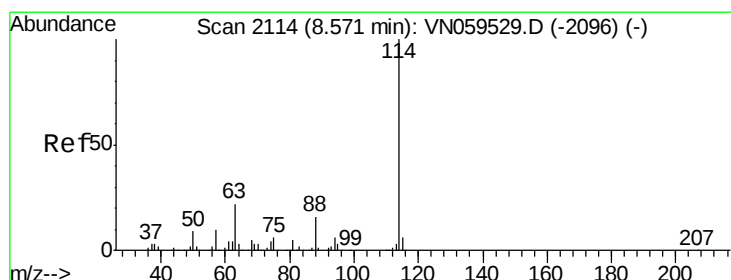
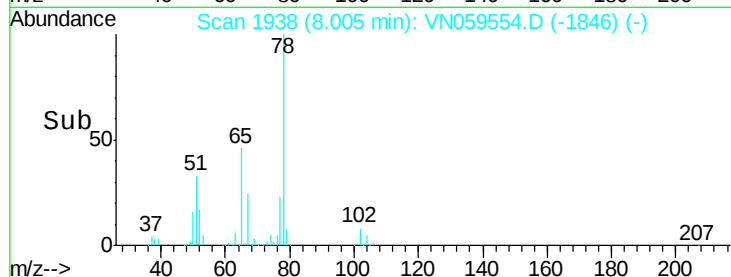
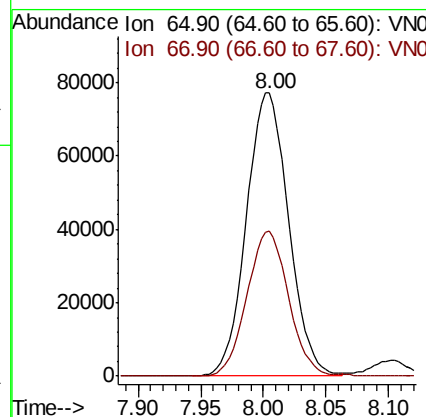
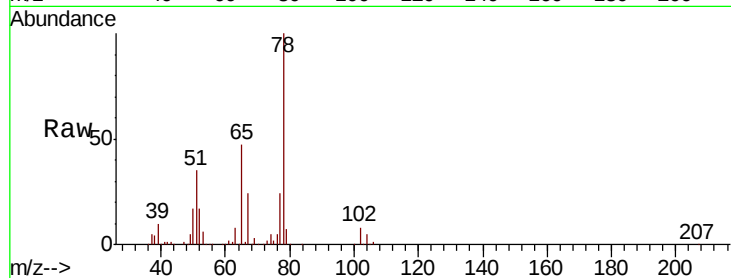
#33
 1,2-Dichloroethane-d4
 Concen: 45.214 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	181009		
67	50.5	0.0	103.6	

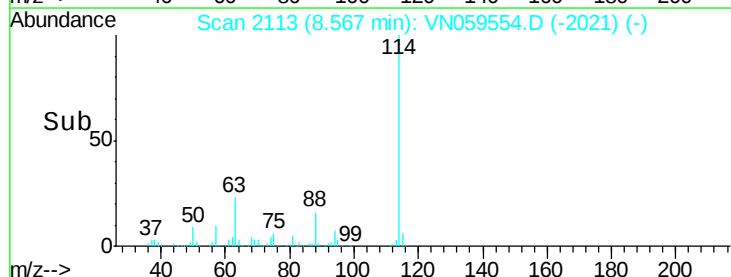
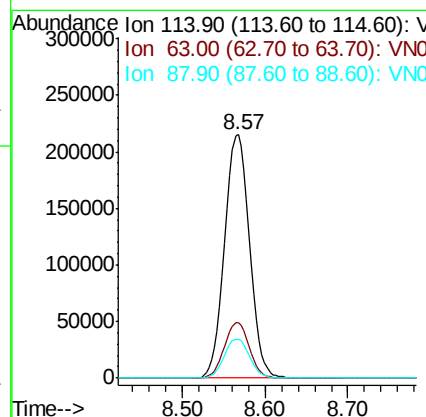
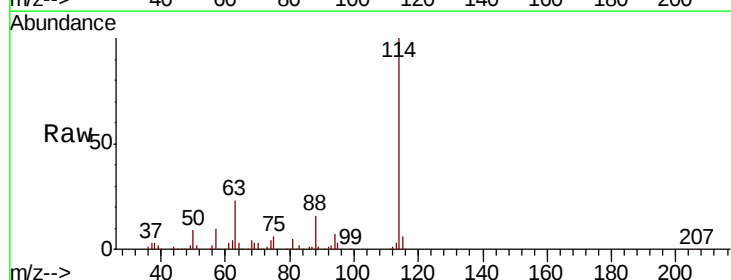
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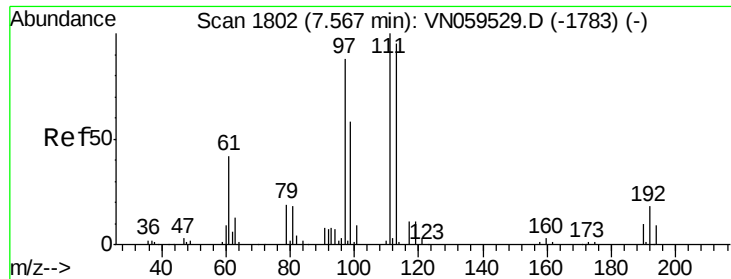
MMDadoda
 12/12/2019 11:27:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	450156		
63	22.7	0.0	45.0	
88	16.2	0.0	32.2	





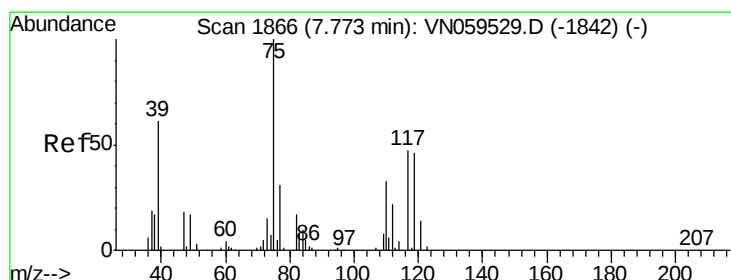
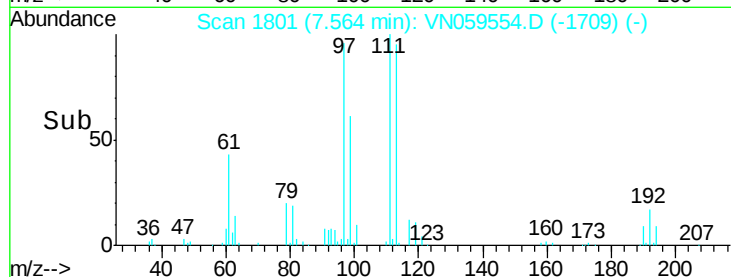
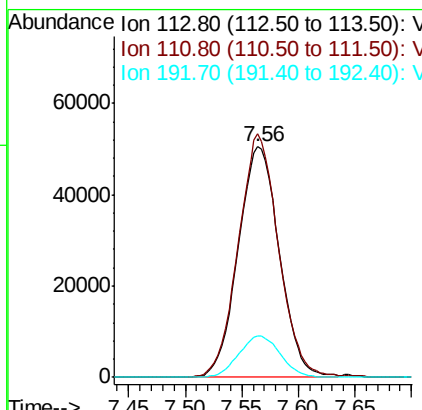
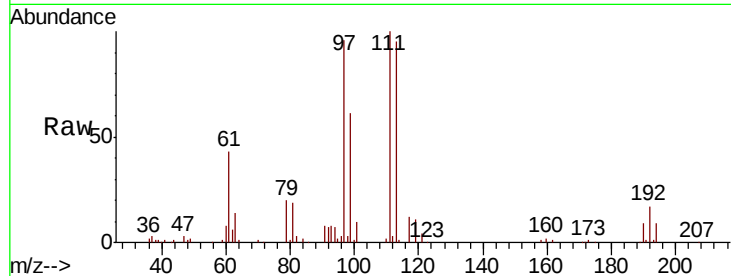
#35
Dibromofluoromethane
Concen: 47.645 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127987		
111	103.5	82.2	123.4	
192	18.1	14.8	22.2	

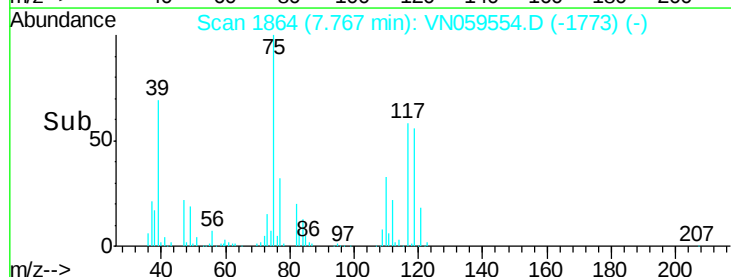
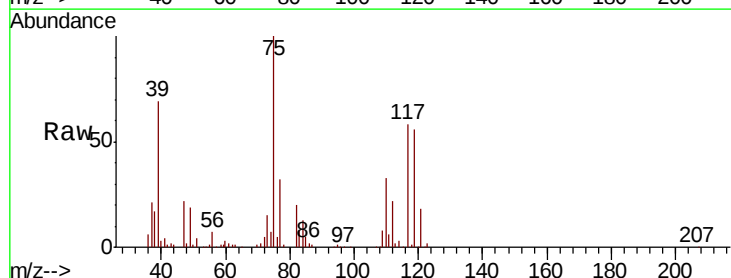
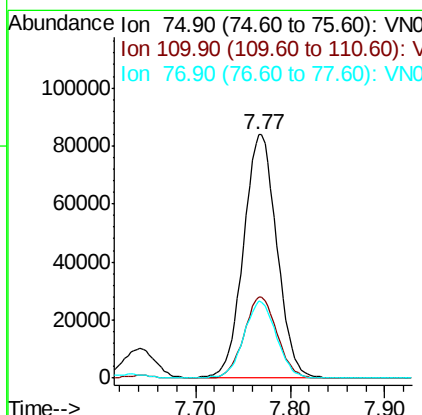
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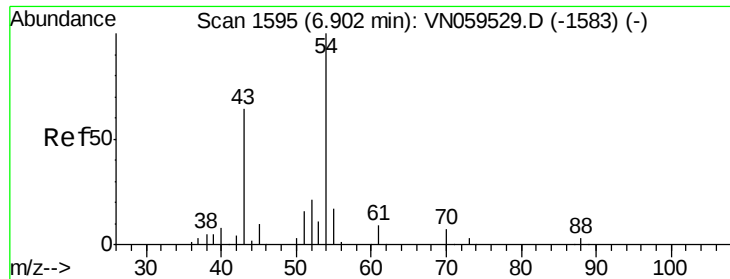
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12/12/2019 11:27:17 AM



#36
1,1-Dichloropropene
Concen: 44.237 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.01 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	204304		
110	33.2	16.7	50.0	
77	31.1	24.6	37.0	





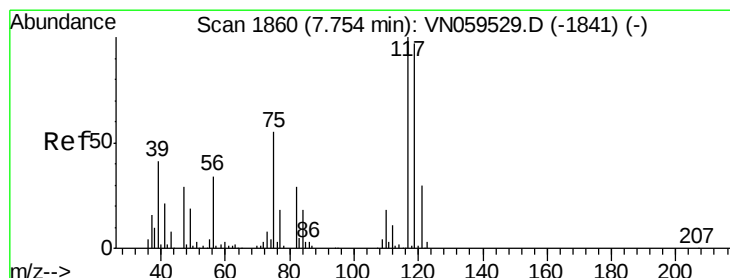
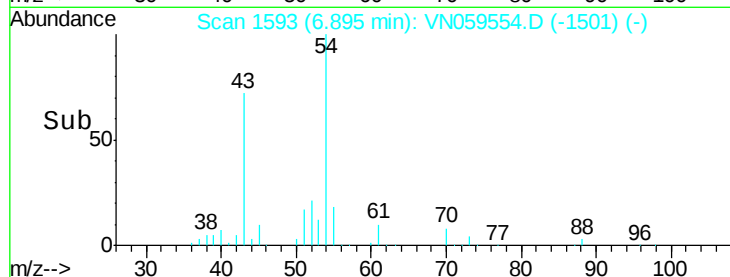
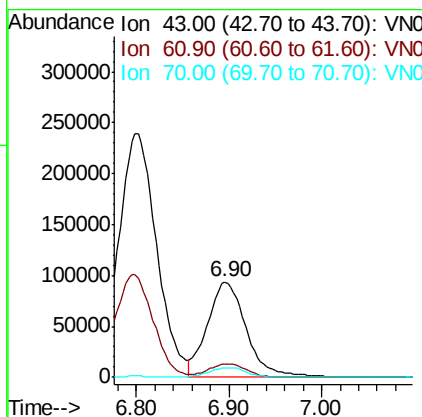
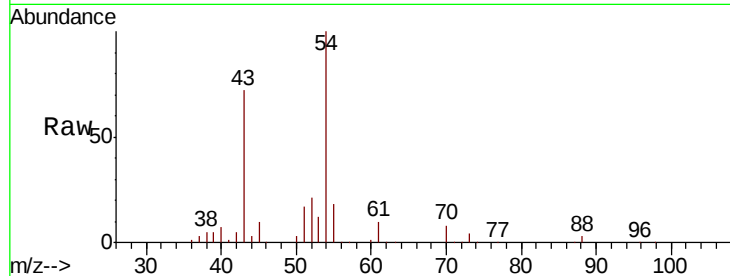
#37
Ethyl Acetate
Concen: 49.738 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.01 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.6
70	10.1	7.7	11.5

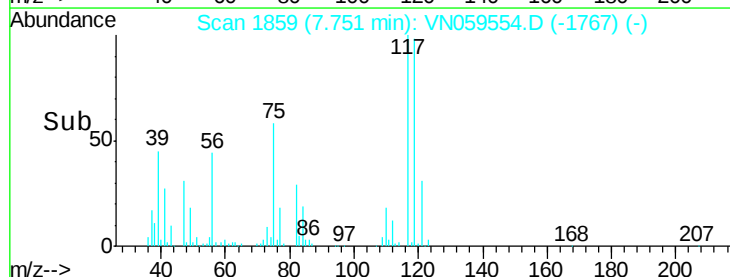
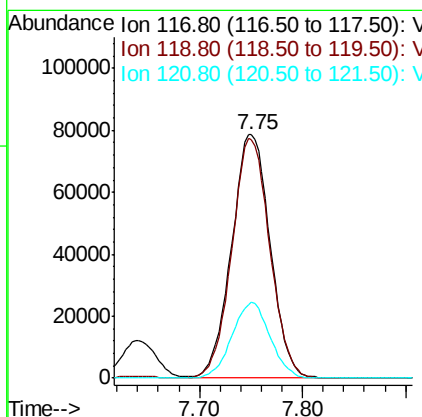
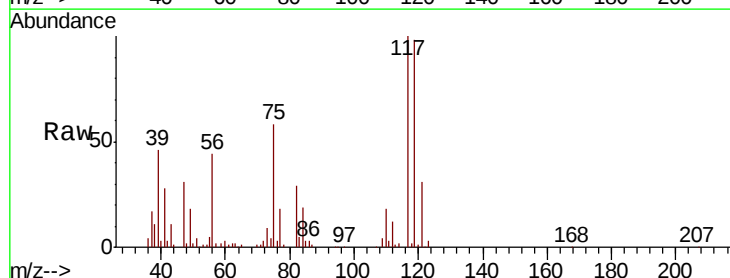
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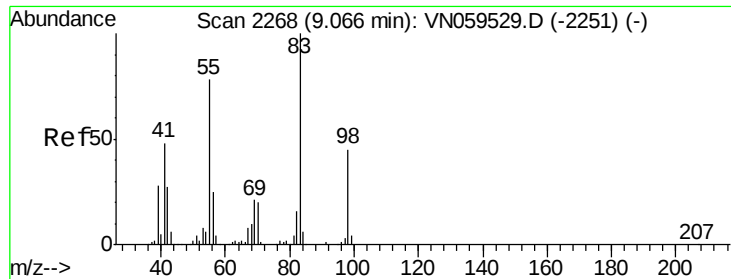
MMDadoda
12/12/2019 11:27:17 AM



#38
Carbon Tetrachloride
Concen: 44.918 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.0	115.4
121	31.2	24.1	36.1





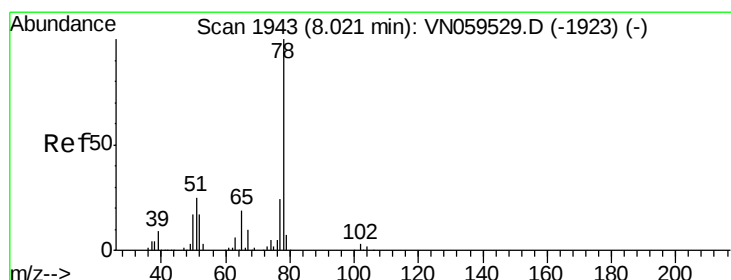
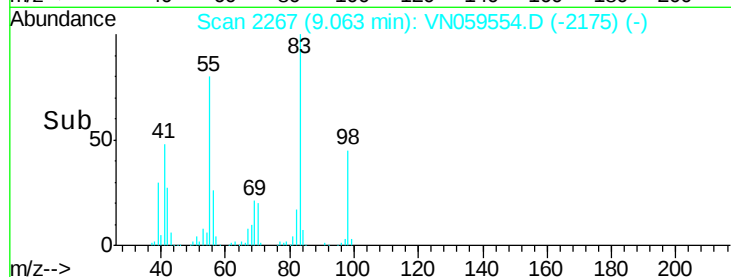
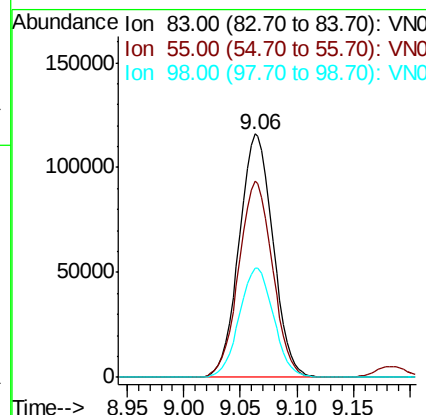
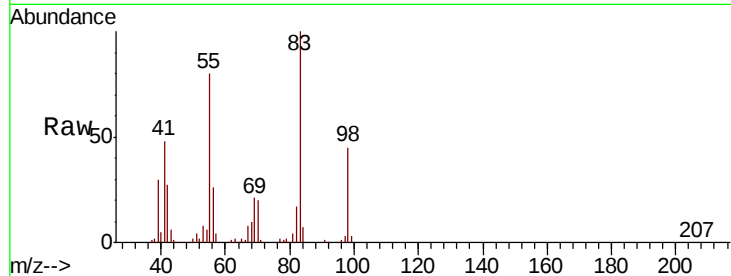
#39
Methvlcvclohexane
Concen: 46.793 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	62.7	94.1
98	44.7	35.7	53.5

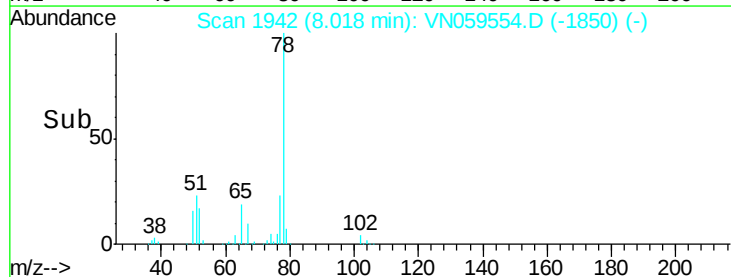
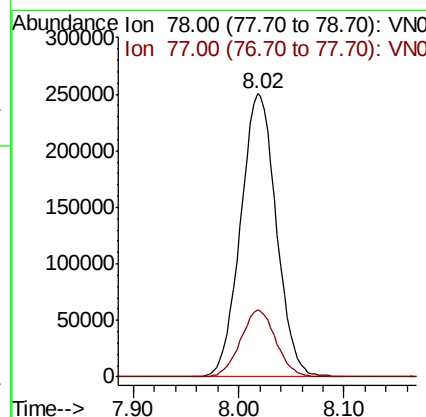
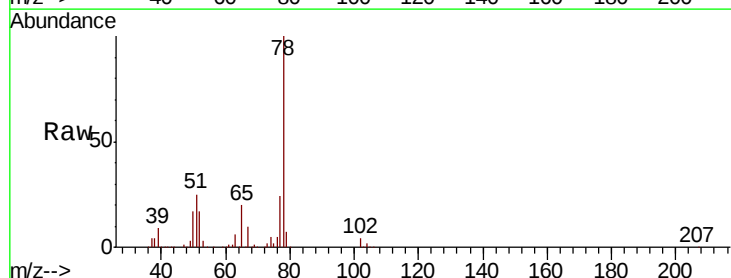
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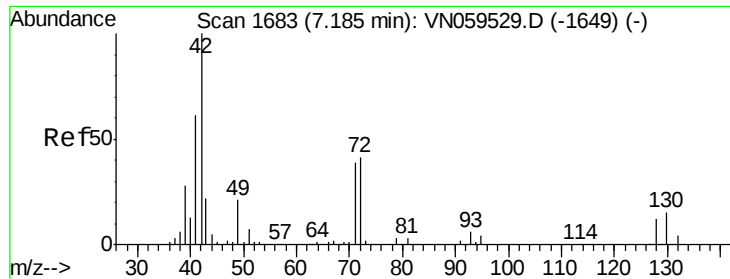
MMDadoda
12/12/2019 11:27:17 AM



#40
Benzene
Concen: 44.586 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





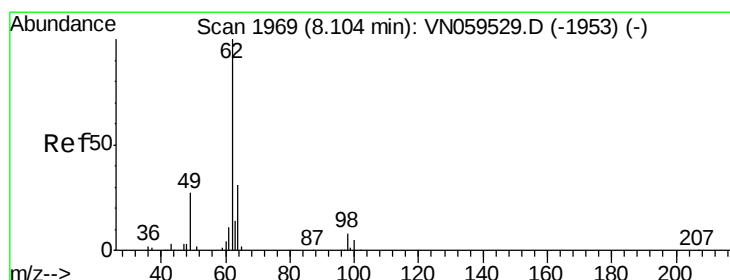
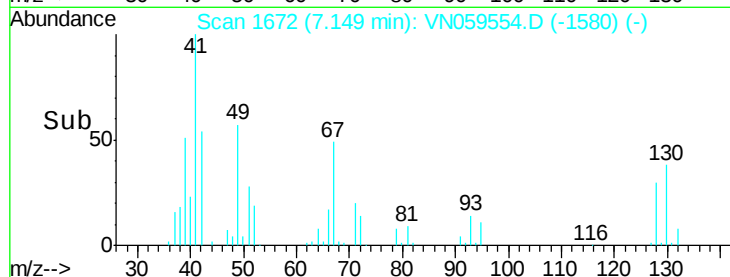
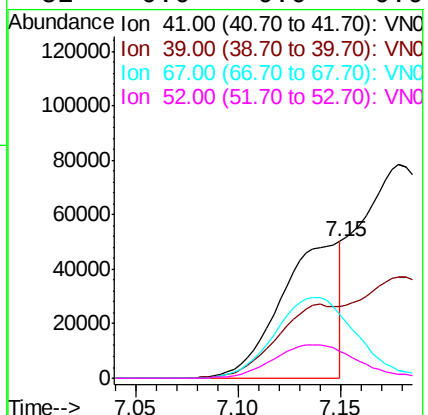
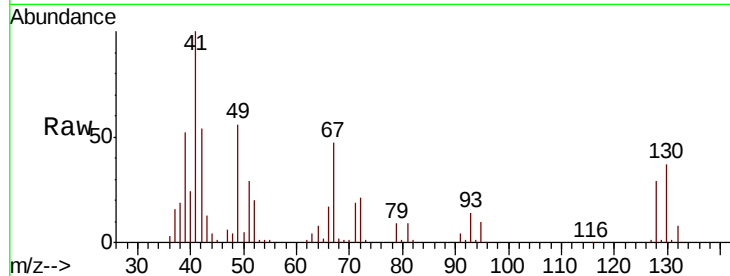
#41
Methacrylonitrile
Concen: 44.827 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

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

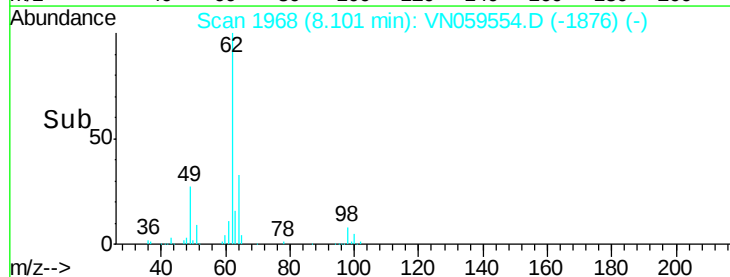
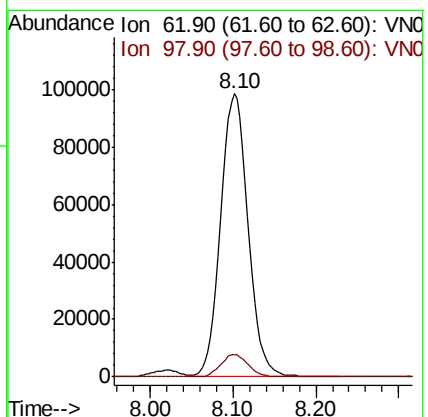
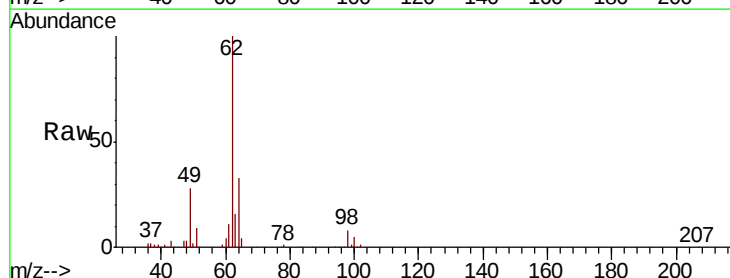
Manual Integrations
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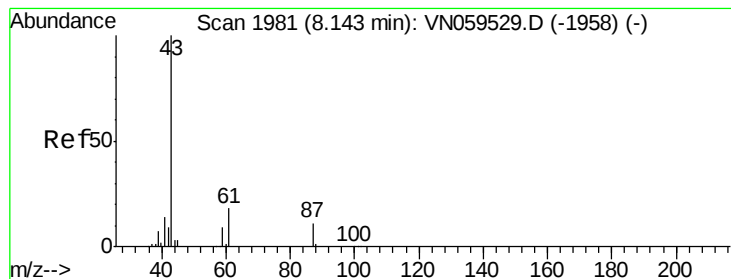
MMDadoda
12/12/2019 11:27:17 AM



#42
1,2-Dichloroethane
Concen: 46.120 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.4





#43

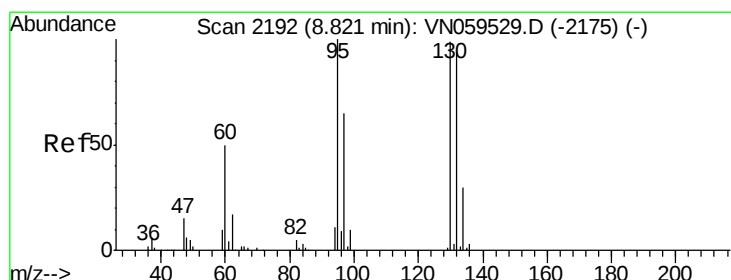
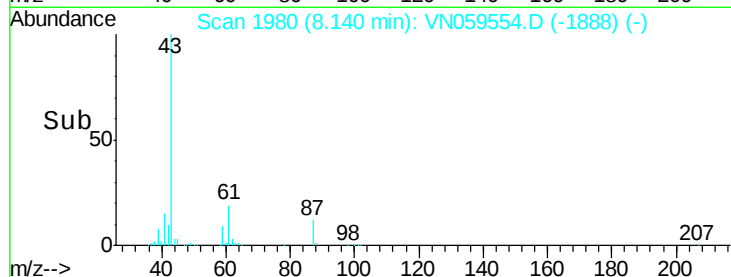
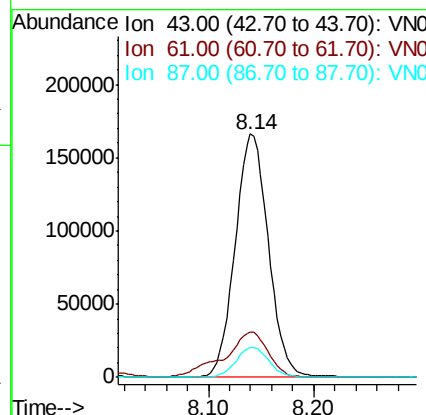
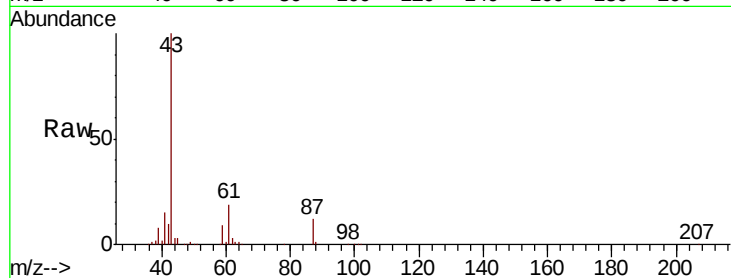
Isopropyl Acetate
 Concen: 45.433 ug/l
 RT: 8.14 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.7	19.8	29.6
87	12.2	9.4	14.2

Manual Integrations
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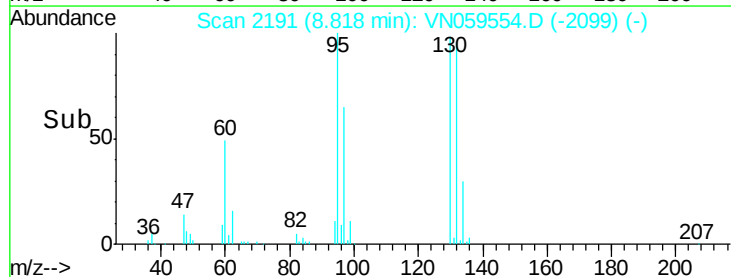
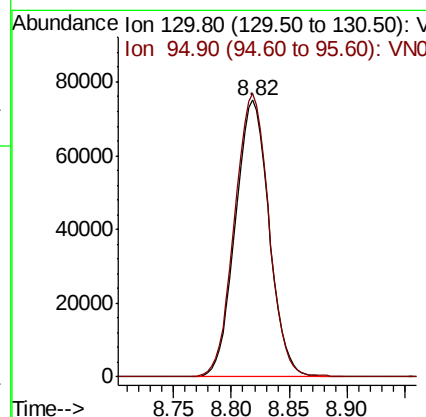
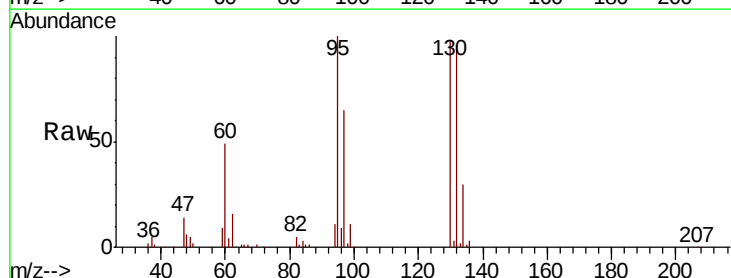
MMDadoda
 12/12/2019 11:27:17 AM

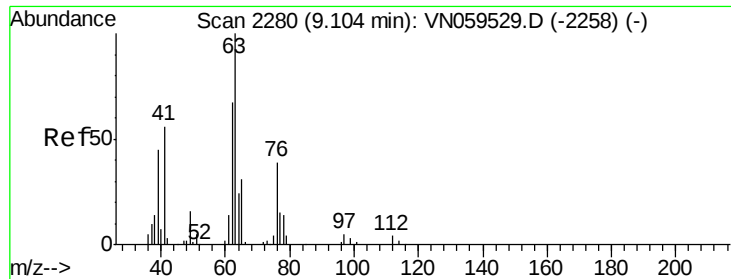


#44

Trichloroethene
 Concen: 45.406 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	202.0





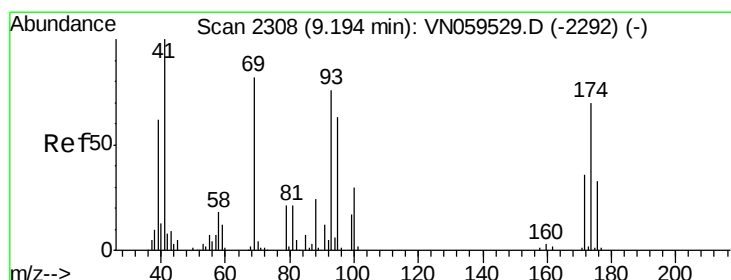
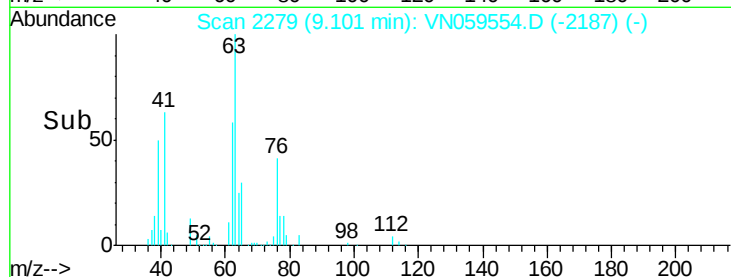
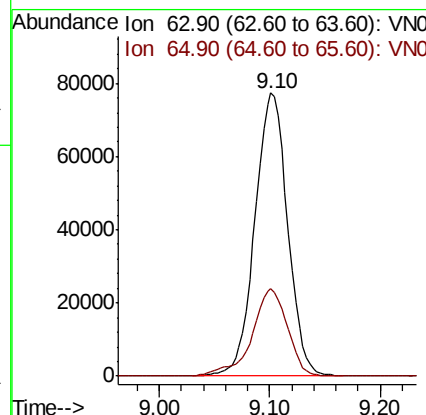
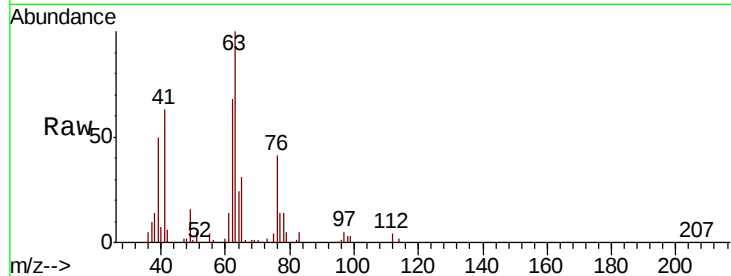
#45
 1,2-Dichloropropane
 Concen: 45.510 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.8	37.2

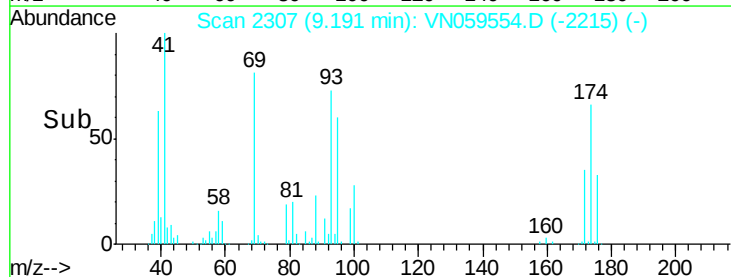
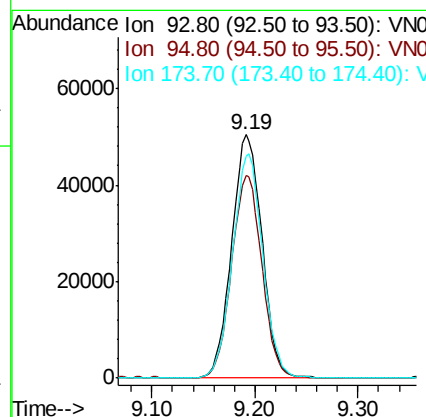
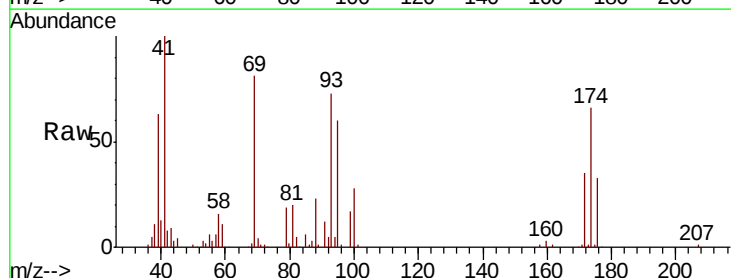
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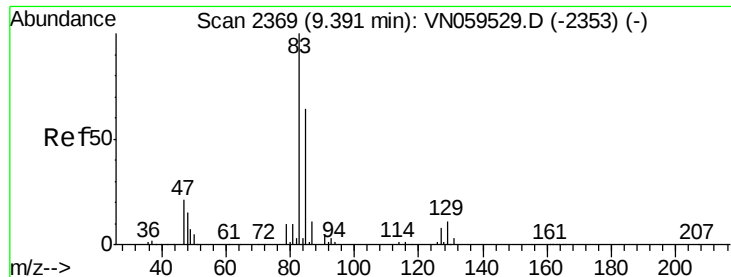
MMDadoda
 12/12/2019 11:27:17 AM



#46
 Dibromomethane
 Concen: 44.851 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	67.0	100.6
174	91.5	75.6	113.4





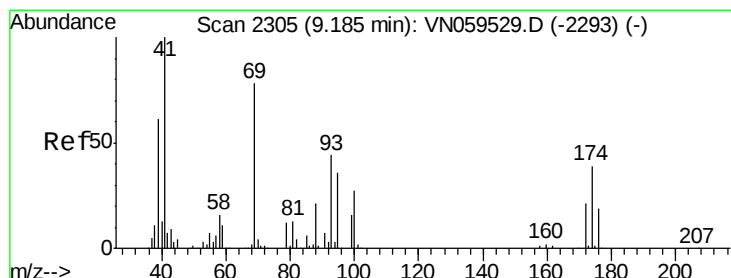
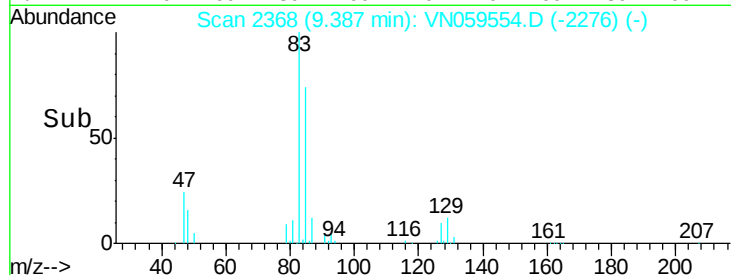
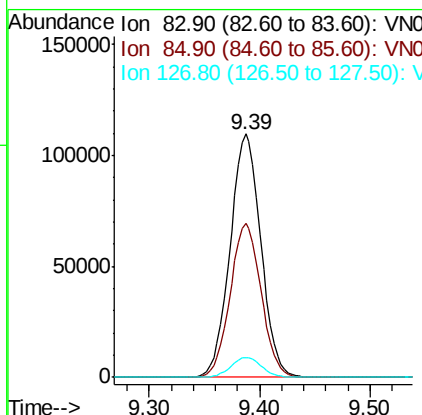
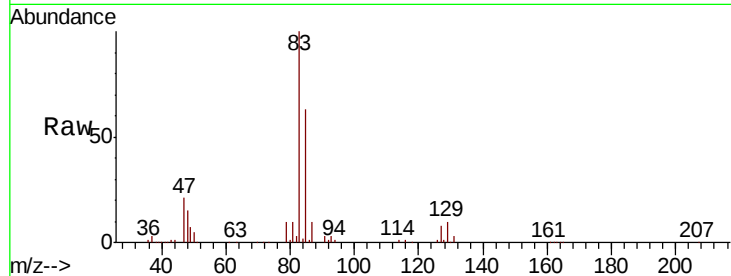
#47
Bromodichloromethane
Concen: 46.172 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	211957		
85	63.1		51.4	77.0
127	8.3		6.7	10.1

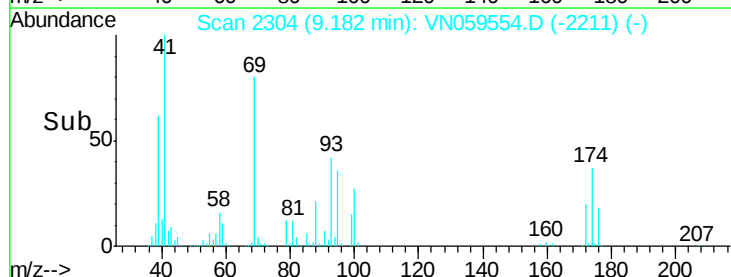
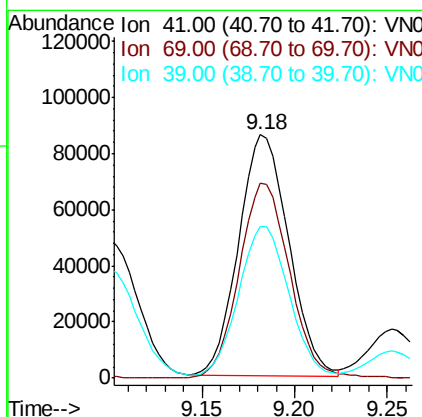
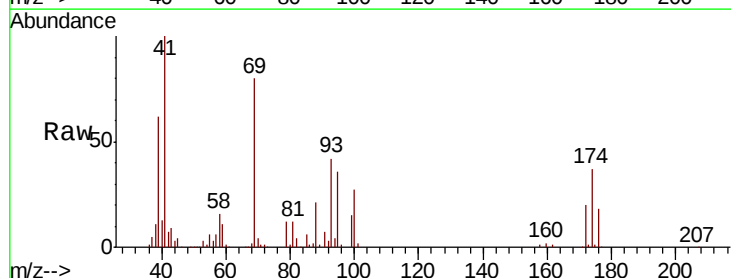
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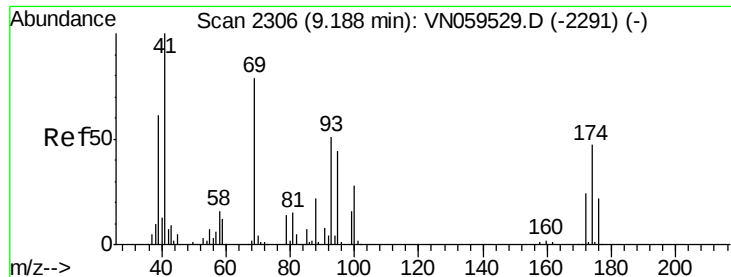
MMDadoda
12/12/2019 11:27:17 AM



#48
Methyl methacrylate
Concen: 46.139 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	160836		
69	81.8		64.0	96.0
39	63.8		50.0	75.0





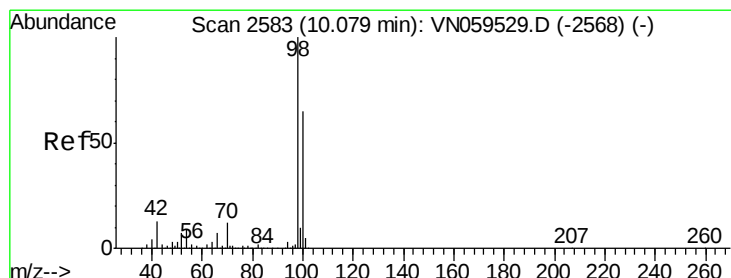
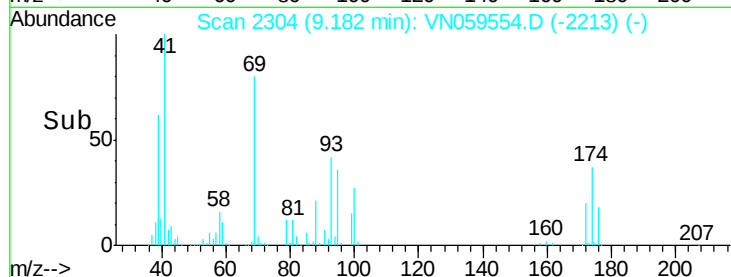
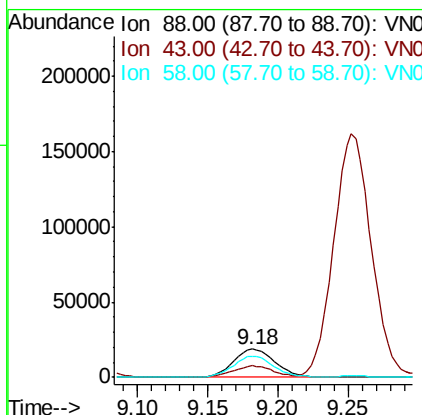
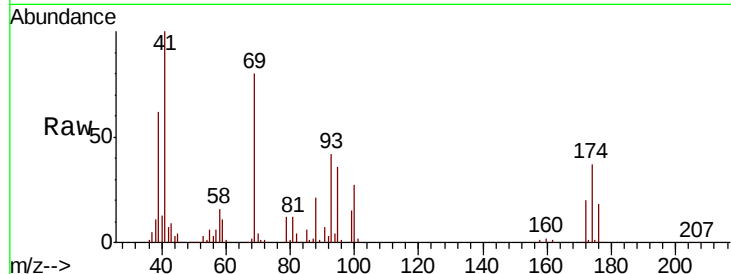
#49
1,4-Dioxane
Concen: 884.410 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.01 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.2	31.4	47.0
58	73.0	61.0	91.6

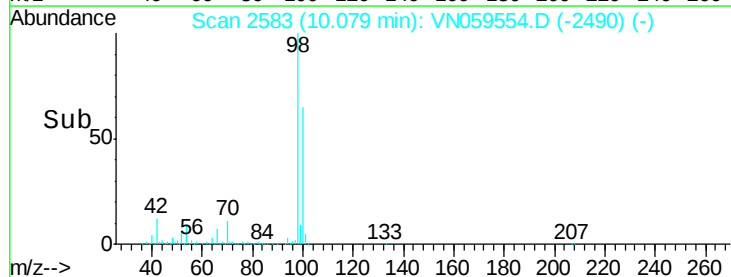
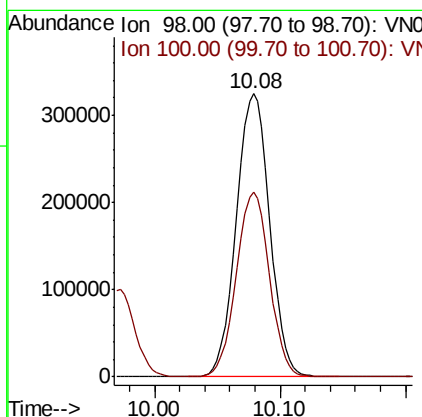
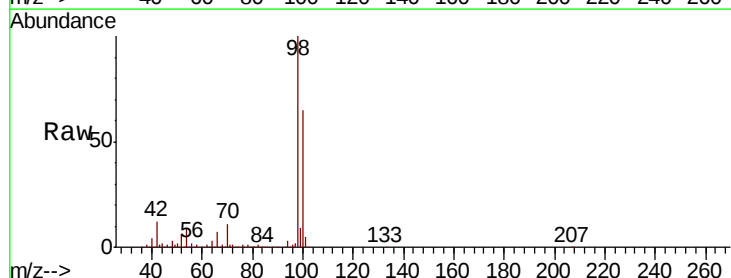
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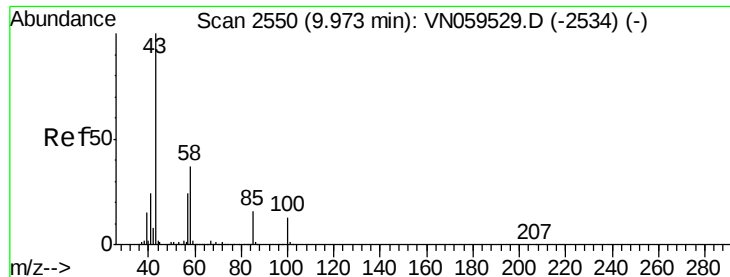
MMDadoda
12/12/2019 11:27:17 AM



#50
Toluene-d8
Concen: 54.808 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 259.205 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1312854

Ion Ratio Lower Upper

43 100

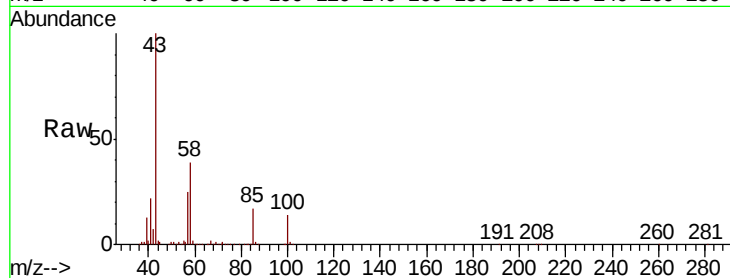
58 38.9 30.1 45.1

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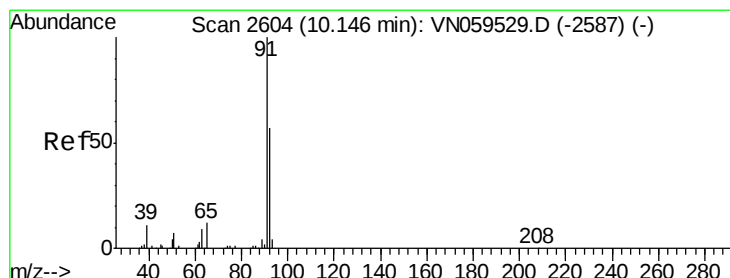
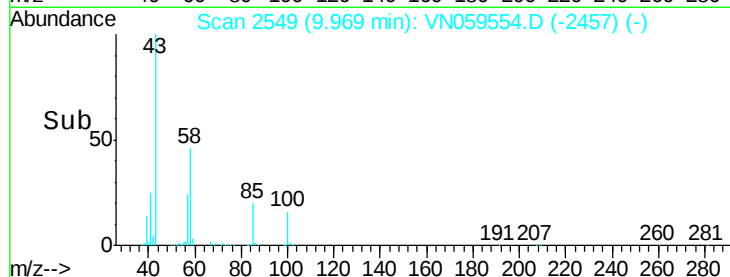
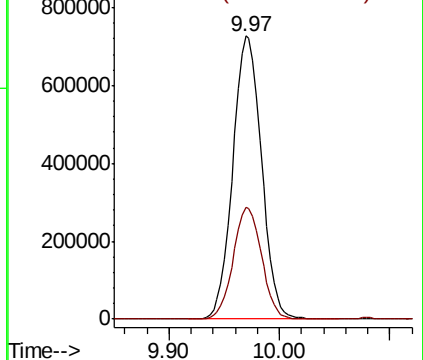
MMDadoda

12/12/2019 11:27:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 55.773 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059554.D

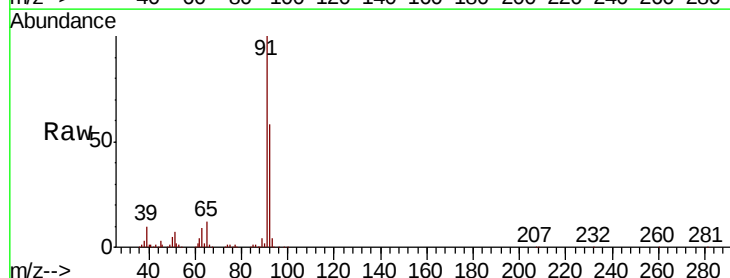
Acq: 11 Dec 2019 11:22

Tgt Ion: 92 Resp: 438438

Ion Ratio Lower Upper

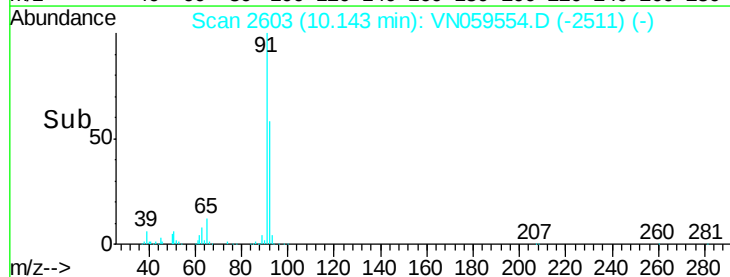
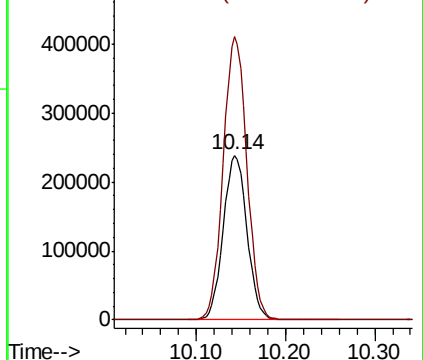
92 100

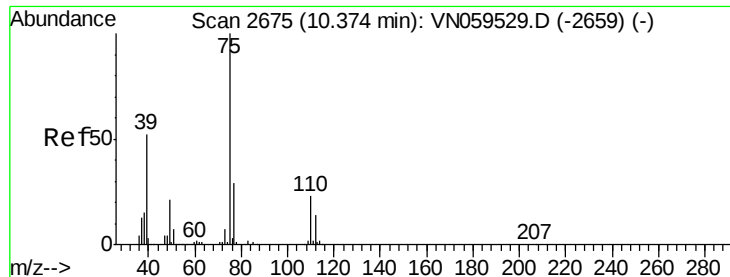
91 172.1 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 46.414 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 248254

Ion Ratio Lower Upper

75 100

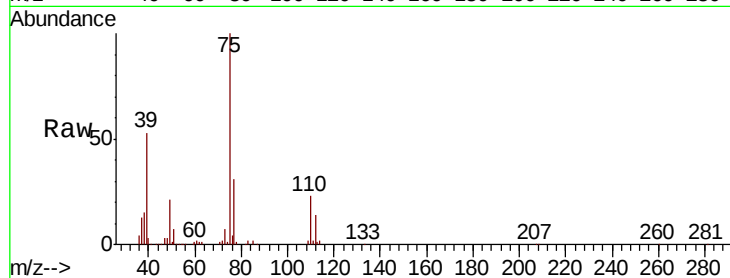
77 30.9 24.5 36.7

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

150000

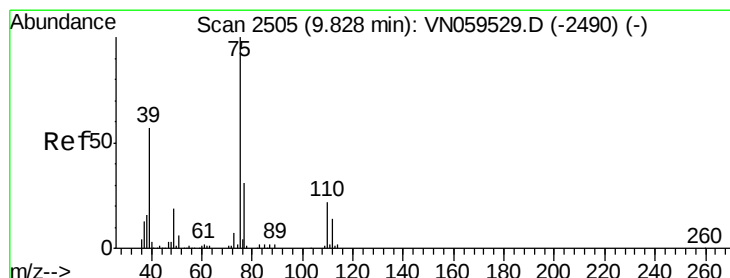
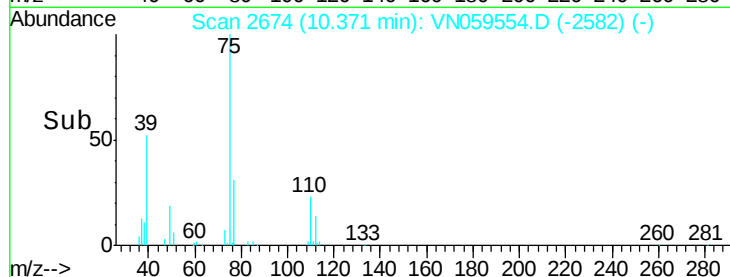
100000

50000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.598 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

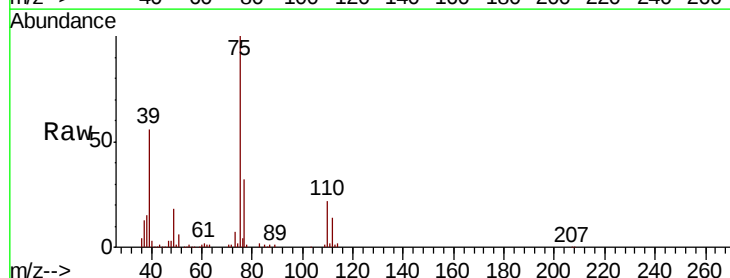
Tgt Ion: 75 Resp: 260561

Ion Ratio Lower Upper

75 100

77 31.6 24.6 36.8

39 55.6 45.6 68.4



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

9.83

150000

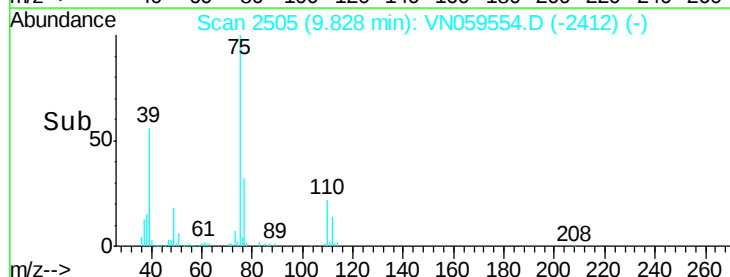
100000

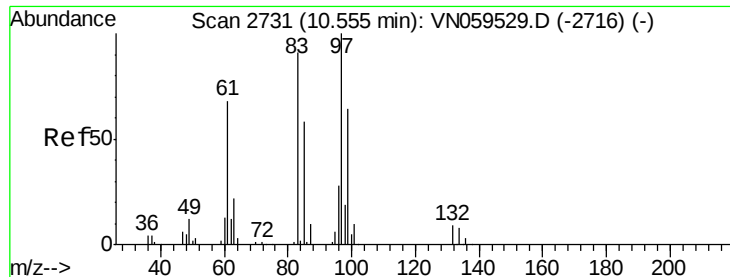
50000

0

9.75 9.80 9.85 9.90

Time-->





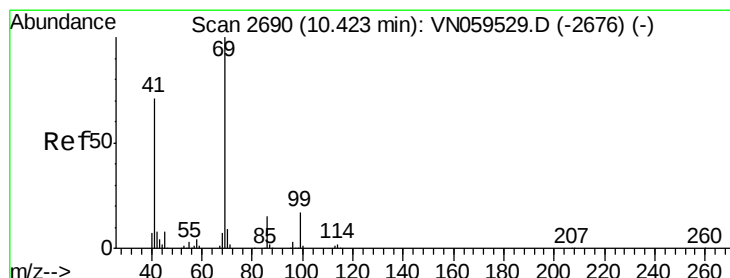
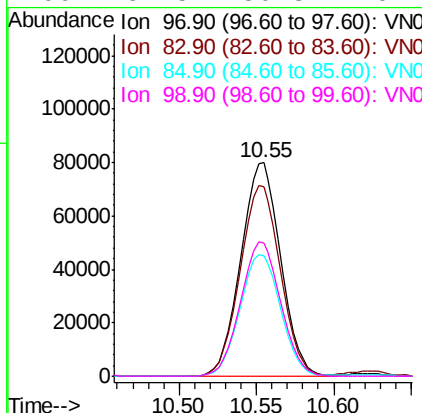
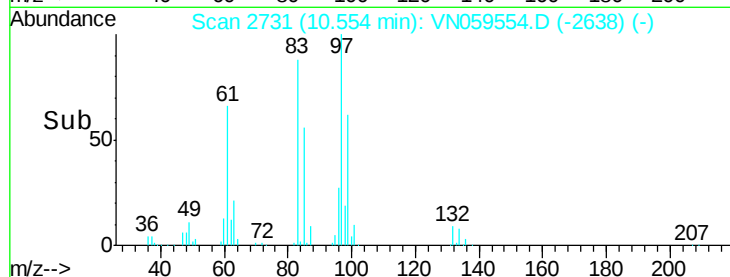
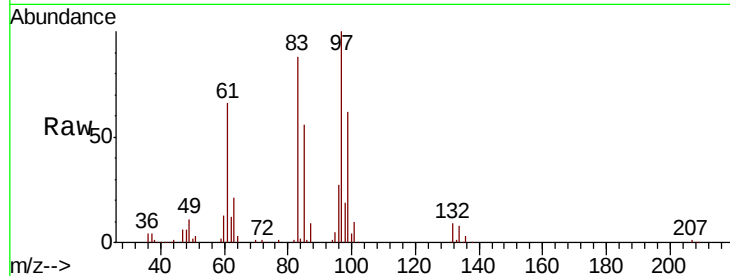
#55
 1,1,2-Trichloroethane
 Concen: 45.092 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	143364
Ion	Ratio	Lower	Upper
97	100		
83	88.4	72.9	109.3
85	56.2	46.1	69.1
99	62.5	50.8	76.2

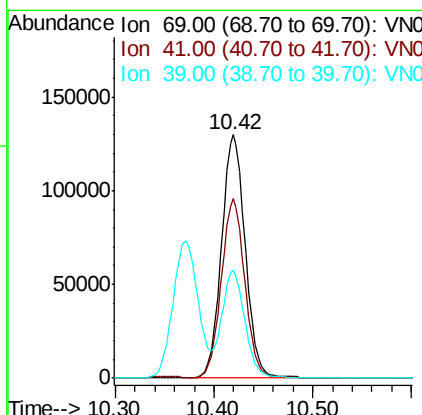
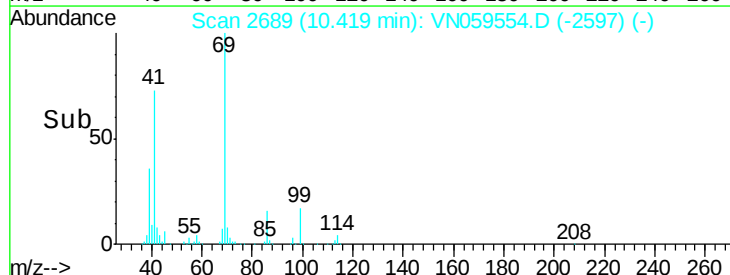
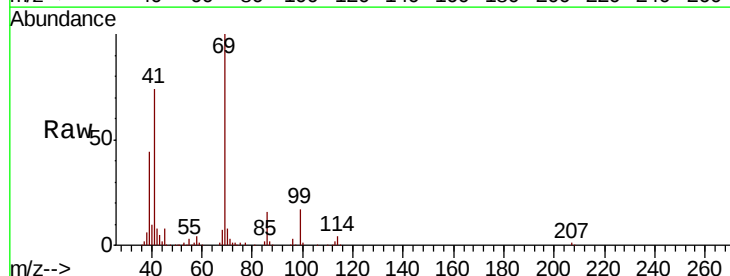
Manual Integrations
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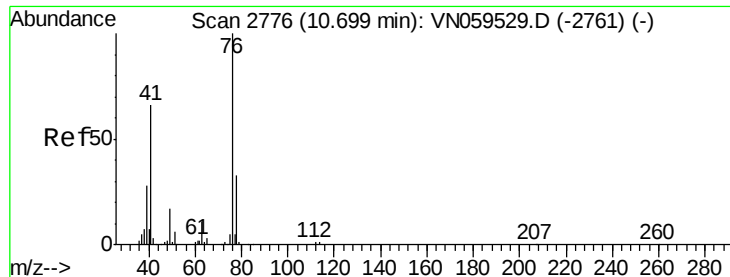
MMDadoda
 12/12/2019 11:27:17 AM



#56
 Ethyl methacrylate
 Concen: 40.461 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion:	69	Resp:	219277
Ion	Ratio	Lower	Upper
69	100		
41	72.2	57.7	86.5
39	43.0	34.2	51.2





#57

1,3-Dichloropropane

Concen: 45.951 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 249510

Ion Ratio Lower Upper

76 100

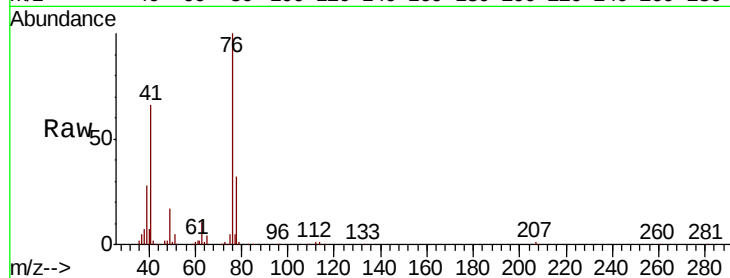
78 32.7 26.1 39.1

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

150000

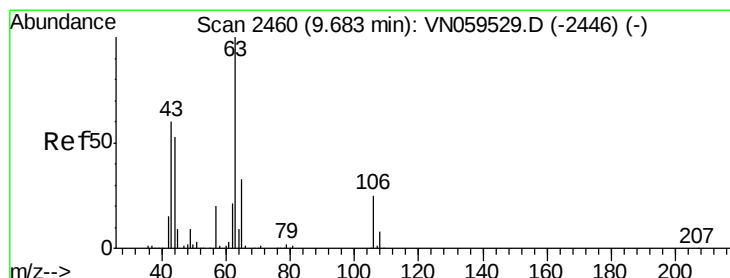
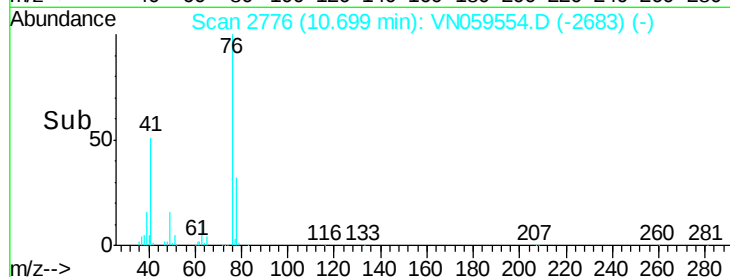
100000

50000

0

10.60 10.70 10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 284.026 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059554.D

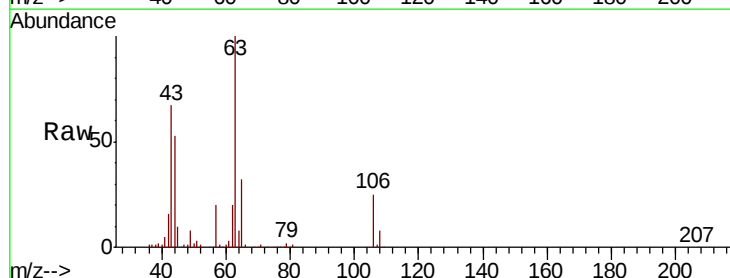
Acq: 11 Dec 2019 11:22

Tgt Ion: 63 Resp: 369931

Ion Ratio Lower Upper

63 100

106 25.2 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

200000

150000

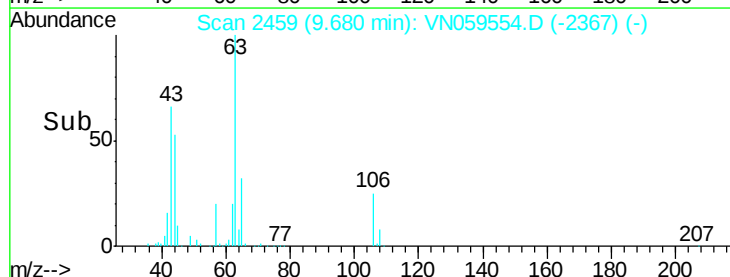
100000

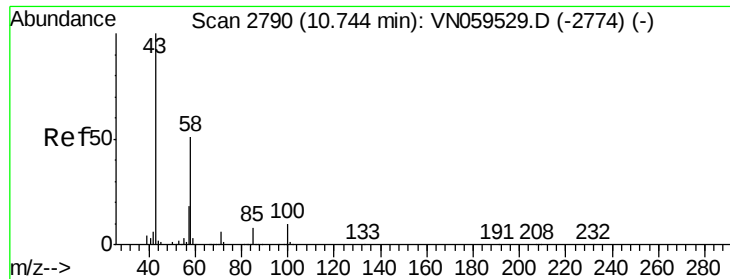
50000

0

9.60 9.70 9.80

Time-->





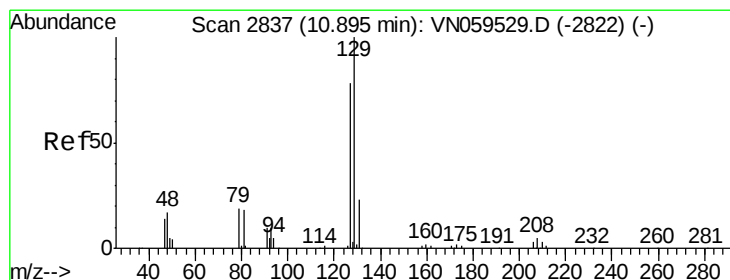
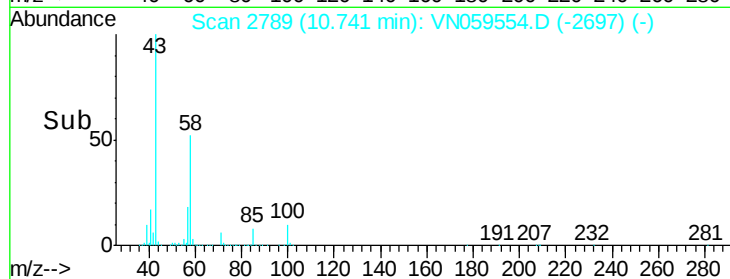
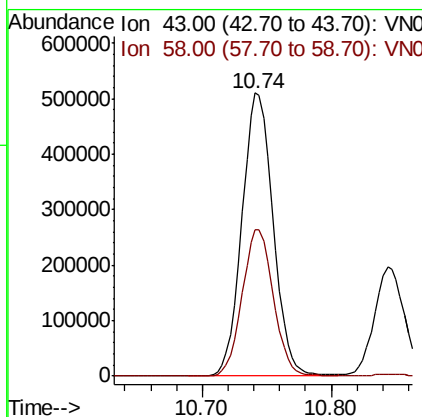
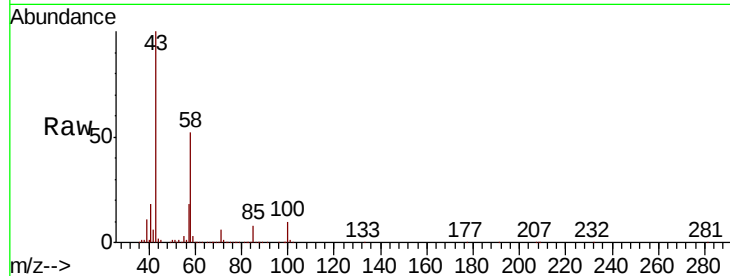
#59
2-Hexanone
Concen: 222.723 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 860787
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.6

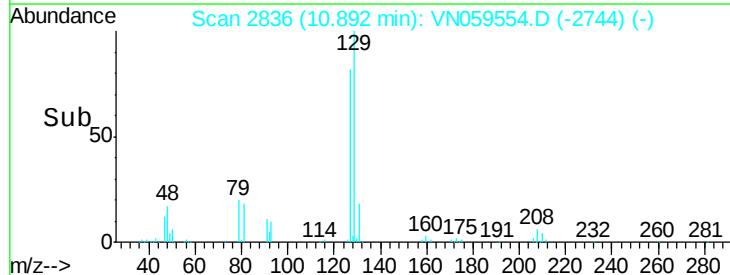
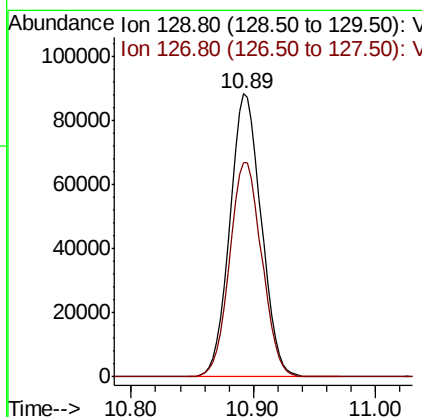
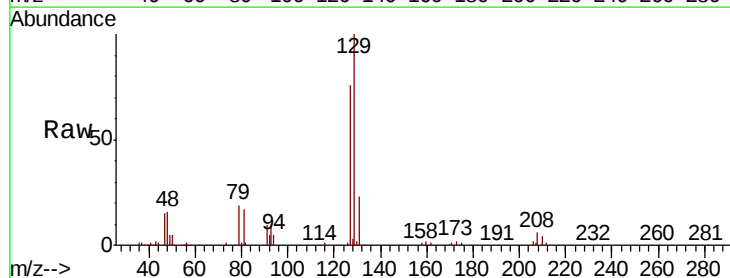
Manual Integrations
APPROVED

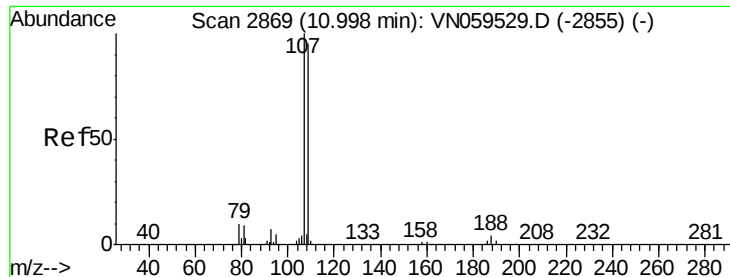
MMDadoda
12/12/2019 11:27:17 AM



#60
Dibromochloromethane
Concen: 41.939 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion: 129 Resp: 158482
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





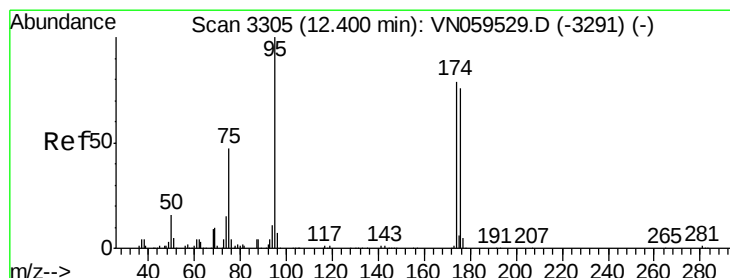
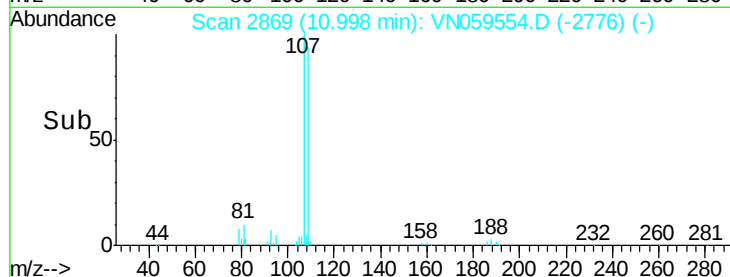
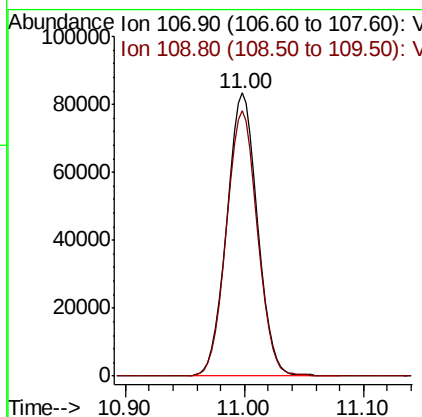
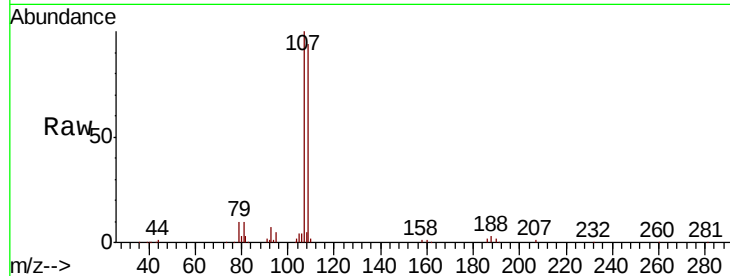
#61
 1,2-Dibromoethane
 Concen: 45.142 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.1	114.1

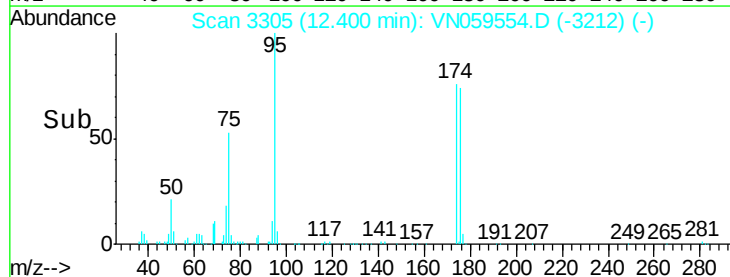
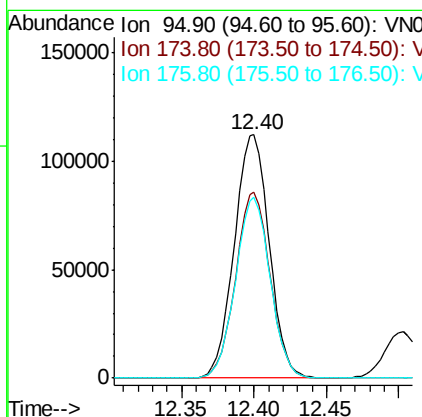
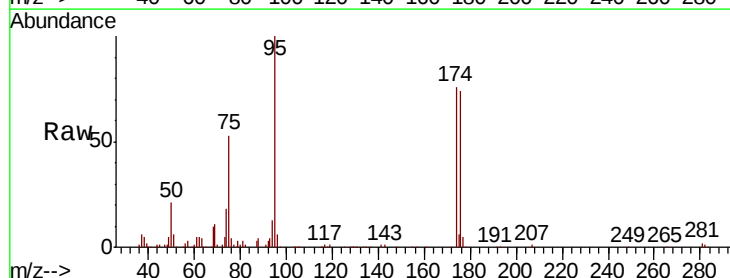
Manual Integrations
 APPROVED

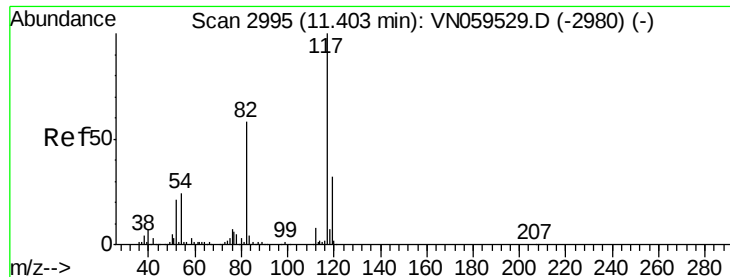
MMDadoda
 12/12/2019 11:27:17 AM



#62
 4-Bromofluorobenzene
 Concen: 46.305 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	158.0
176	73.4	0.0	155.4





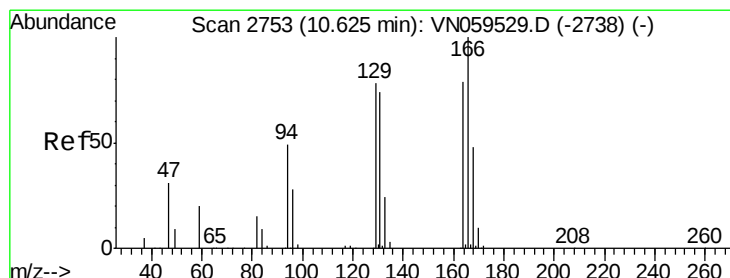
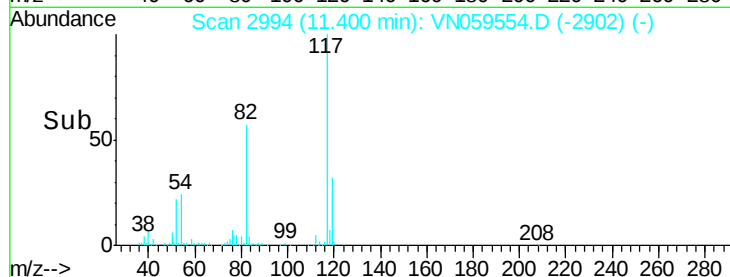
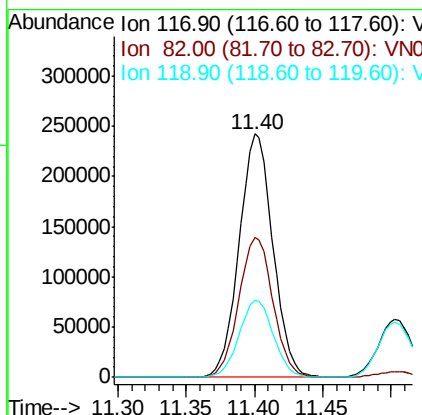
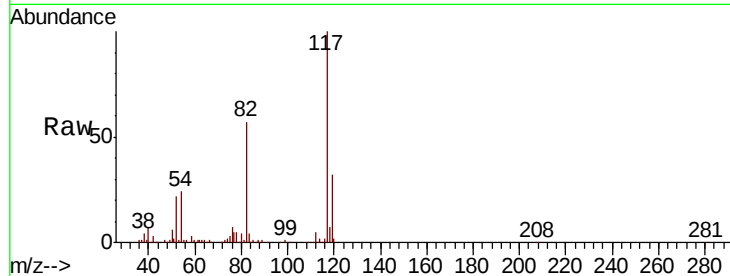
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.5	69.7
119	31.9	25.2	37.8

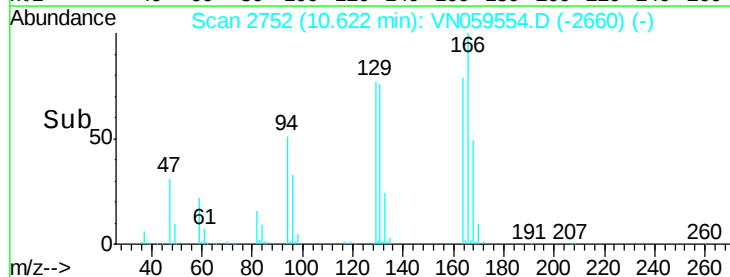
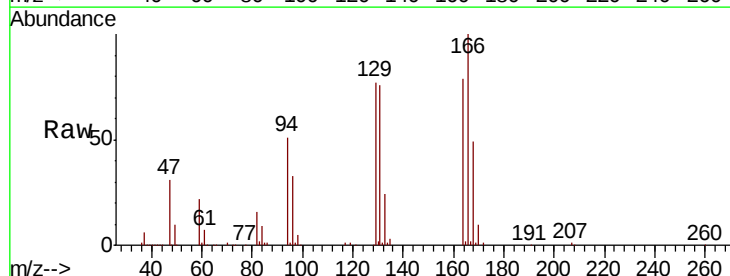
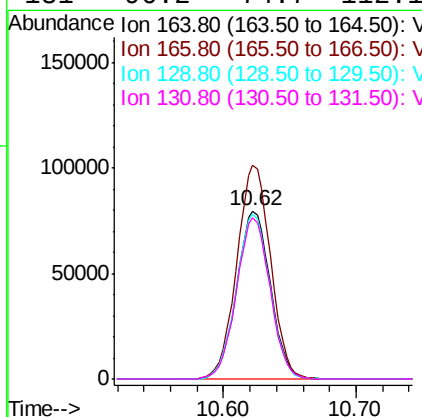
Manual Integrations
APPROVED

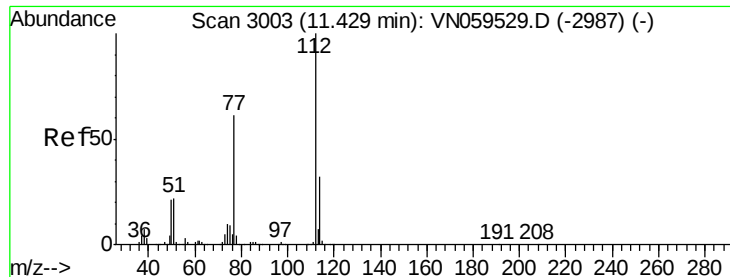
MMDadoda
12/12/2019 11:27:17 AM



#64
Tetrachloroethene
Concen: 46.165 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.6	152.4
129	98.3	79.0	118.6
131	96.2	74.7	112.1





#65

Chlorobenzene

Concen: 43.889 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 383555

Ion Ratio Lower Upper

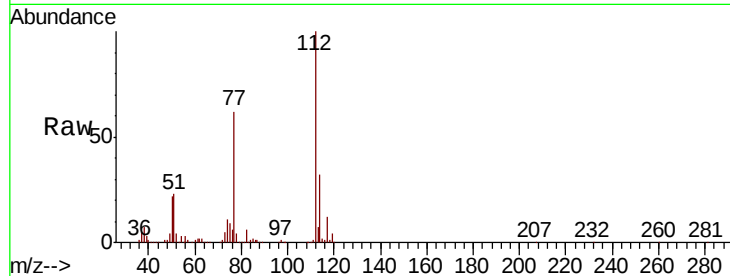
112 100

114 31.6 26.0 39.0

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

250000

200000

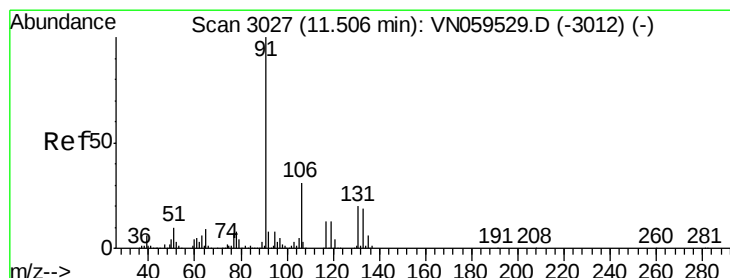
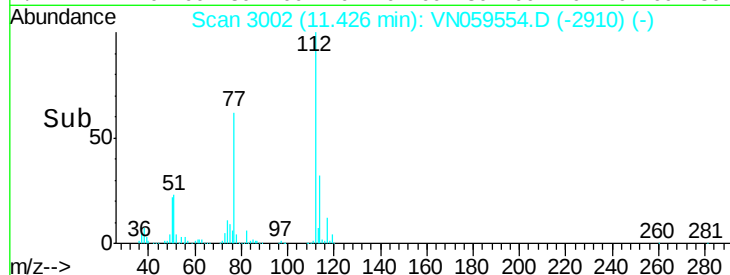
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 44.024 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

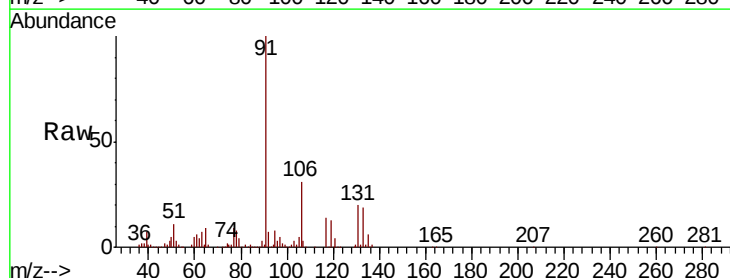
Tgt Ion:131 Resp: 143492

Ion Ratio Lower Upper

131 100

133 96.6 47.8 143.3

119 66.8 33.4 100.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

100000

80000

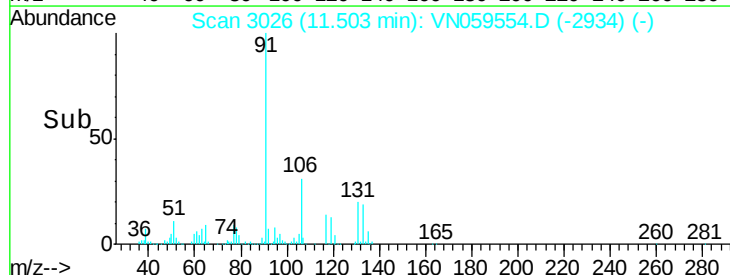
60000

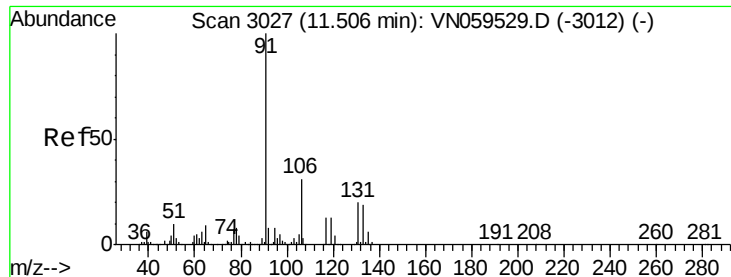
40000

20000

0

Time-->





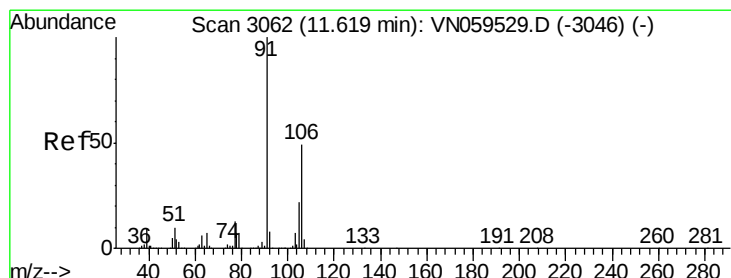
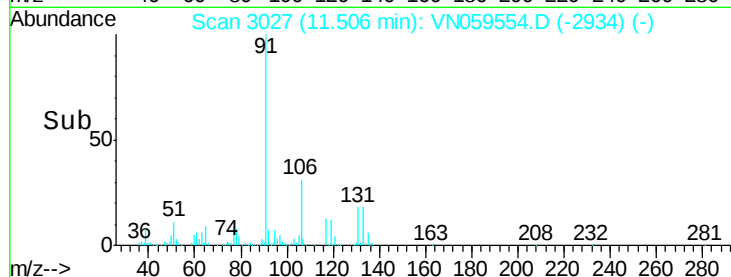
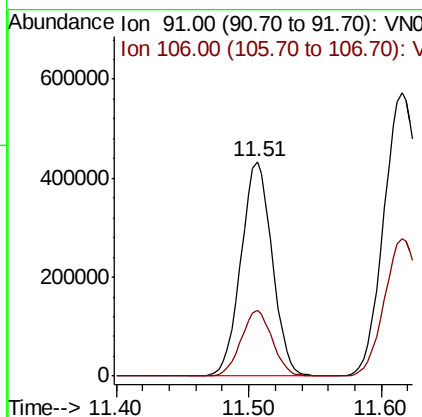
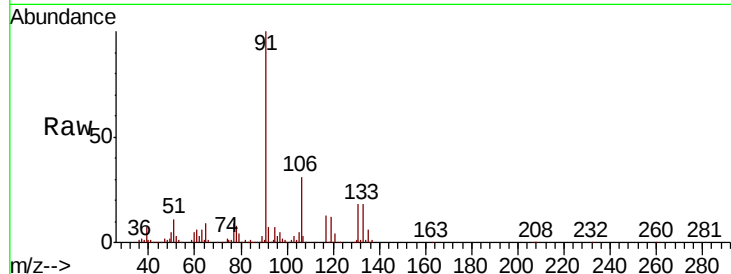
#67
Ethyl Benzene
Concen: 44.961 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 707059
Ion Ratio Lower Upper
91 100
106 30.8 24.5 36.7

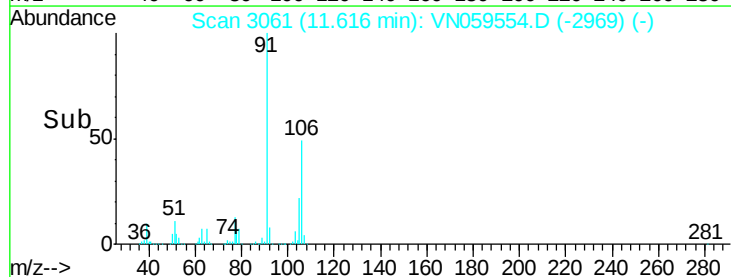
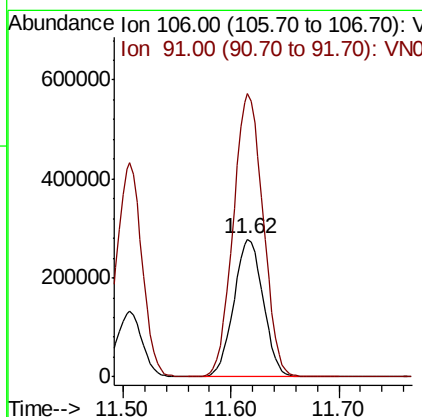
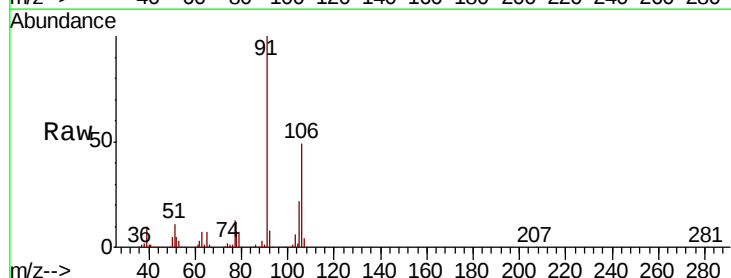
Manual Integrations
APPROVED

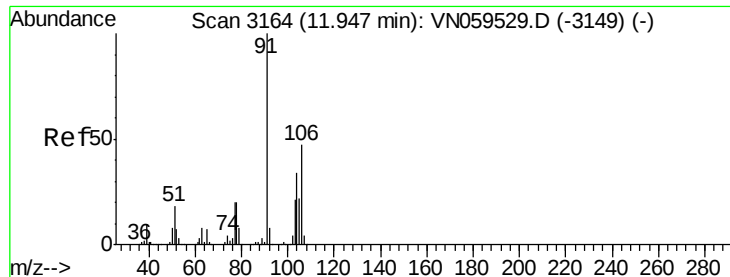
MMDadoda
12/12/2019 11:27:17 AM



#68
m/p-Xylenes
Concen: 89.443 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion: 106 Resp: 527652
Ion Ratio Lower Upper
106 100
91 209.1 162.9 244.3





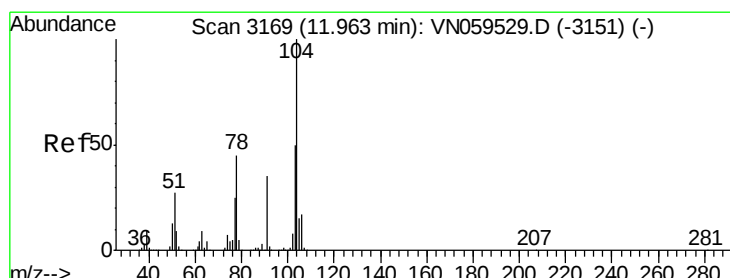
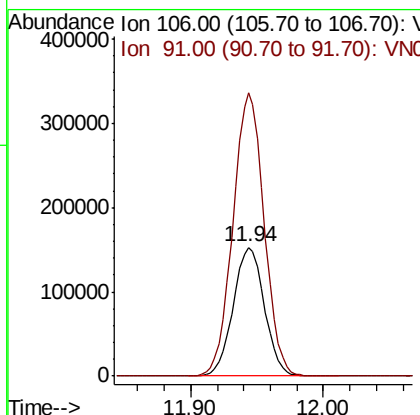
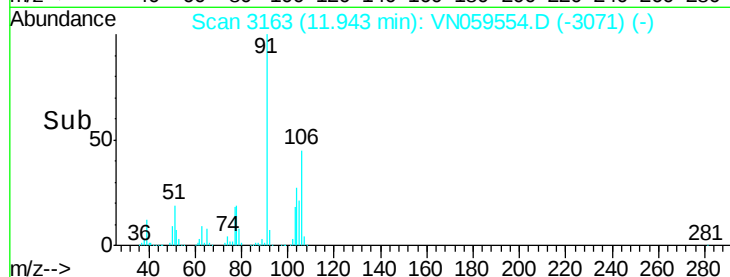
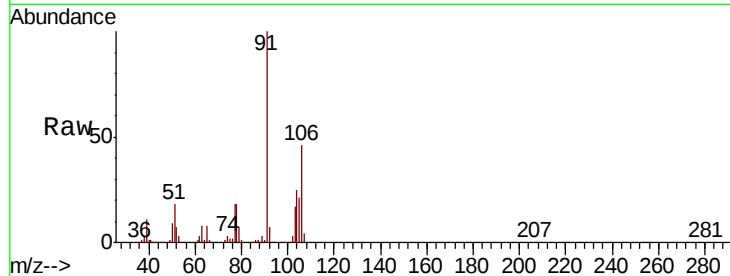
#69
o-Xylene
Concen: 45.428 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 249440
Ion Ratio Lower Upper
106 100
91 219.3 106.7 319.9

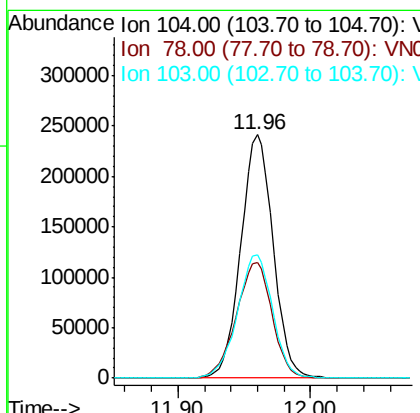
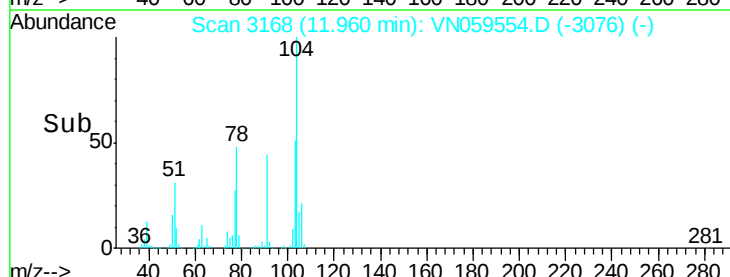
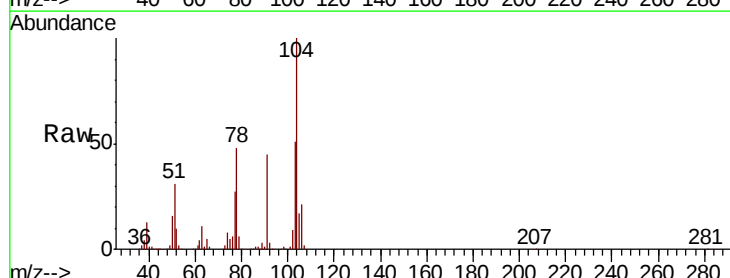
Manual Integrations
APPROVED

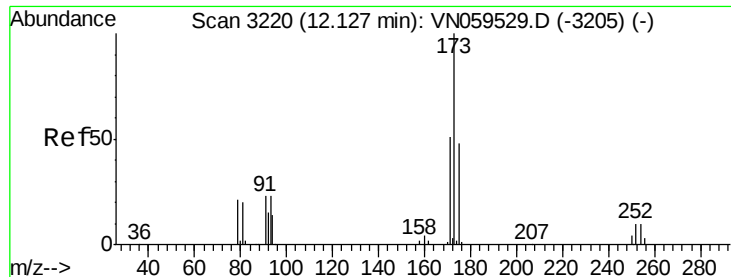
MMDadoda
12/12/2019 11:27:17 AM



#70
Styrene
Concen: 44.982 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion:104 Resp: 409190
Ion Ratio Lower Upper
104 100
78 52.7 40.6 60.8
103 55.2 43.9 65.9





#71

Bromoform

Concen: 43.832 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

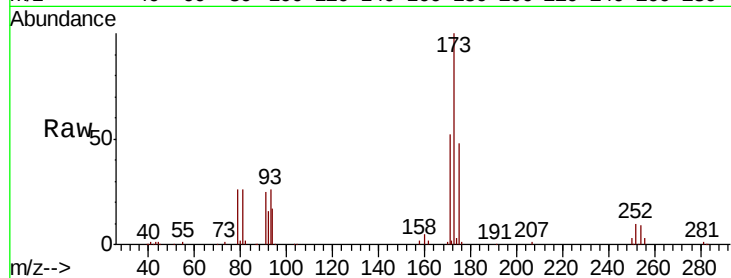
ClientSampleId :

VSTDCCC050

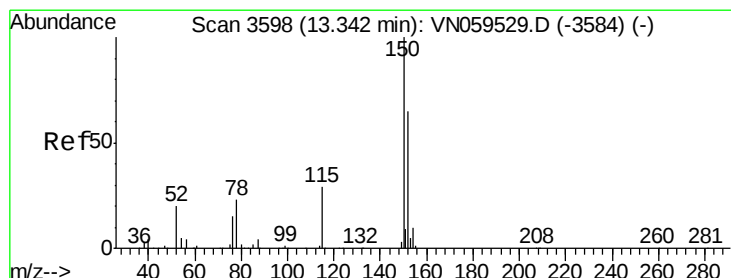
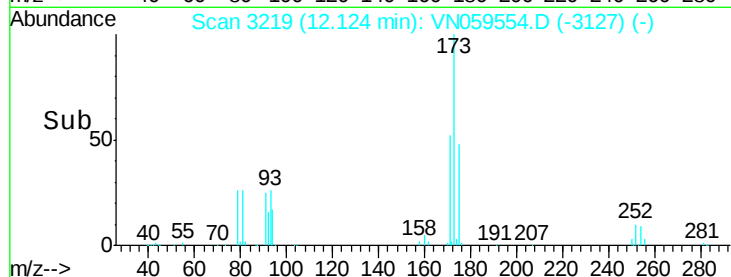
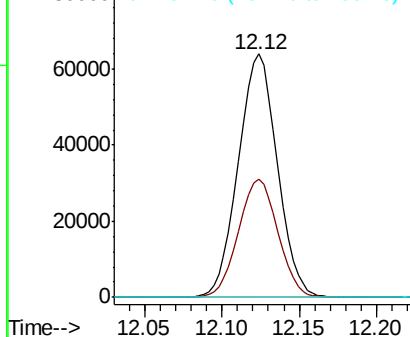
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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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

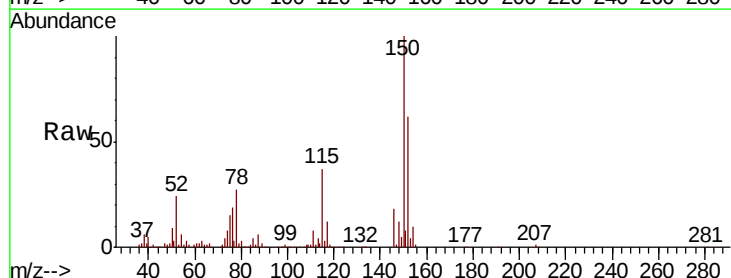
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

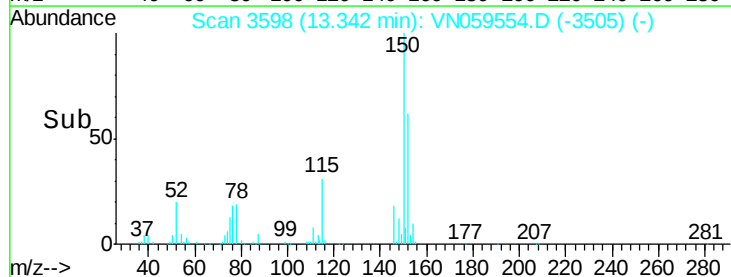
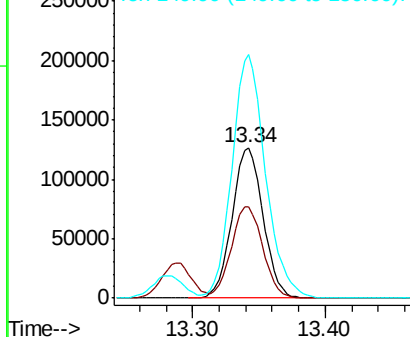
Lab File: VN059554.D

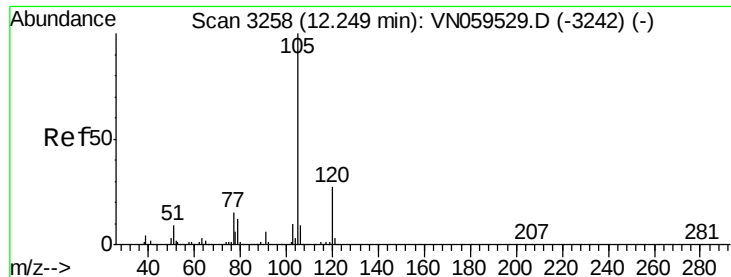
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	29.4	88.2
150	174.3	0.0	342.4



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





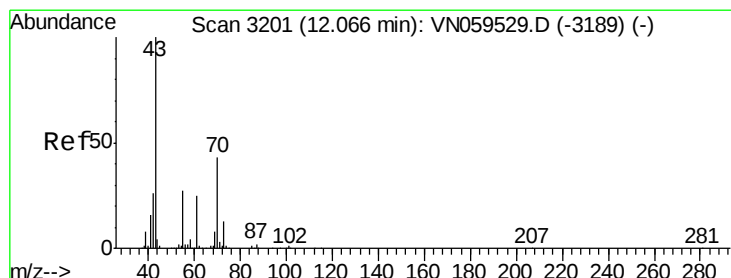
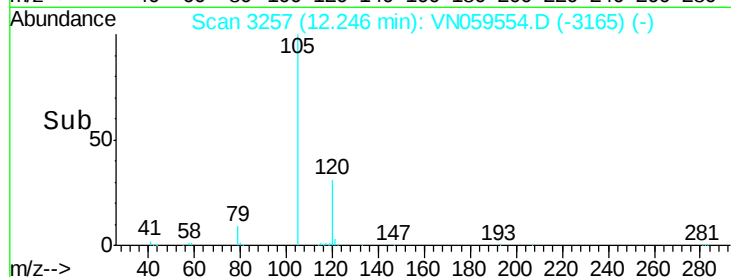
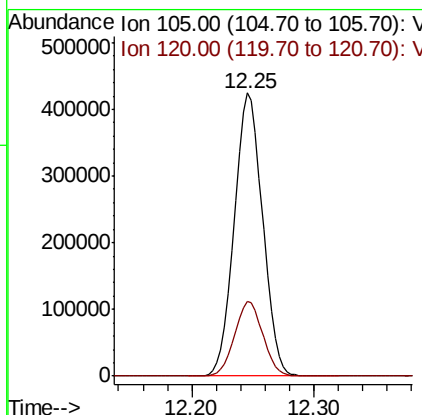
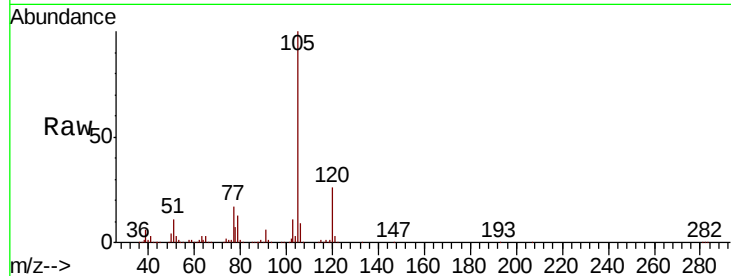
#73
Isopropylbenzene
Concen: 44.189 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5

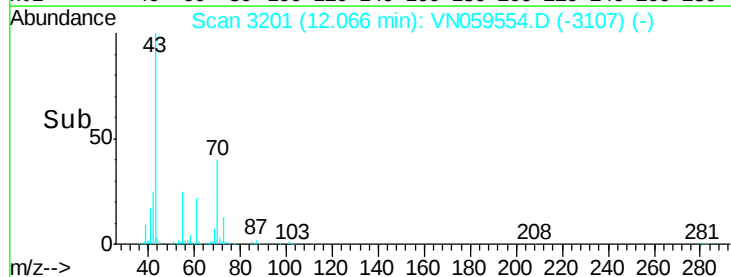
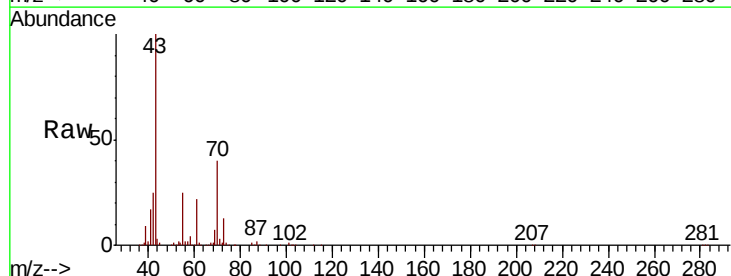
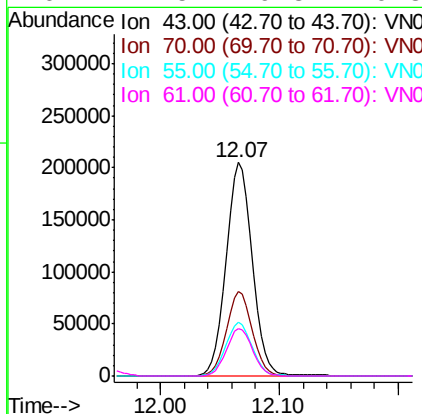
Manual Integrations
APPROVED

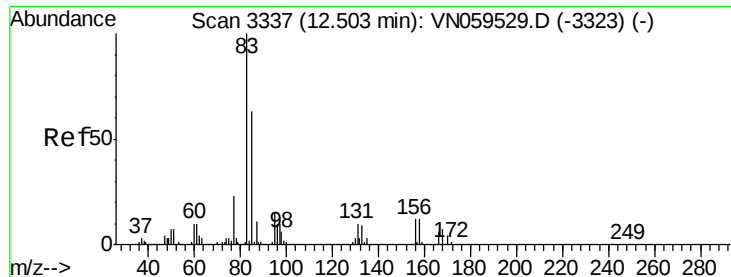
MMDadoda
12/12/2019 11:27:17 AM



#74
N-ethyl acetate
Concen: 46.316 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.2	34.2	51.4
55	25.5	21.3	31.9
61	22.5	19.8	29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 41.351 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

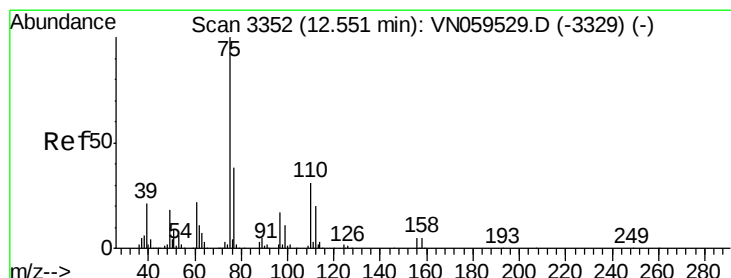
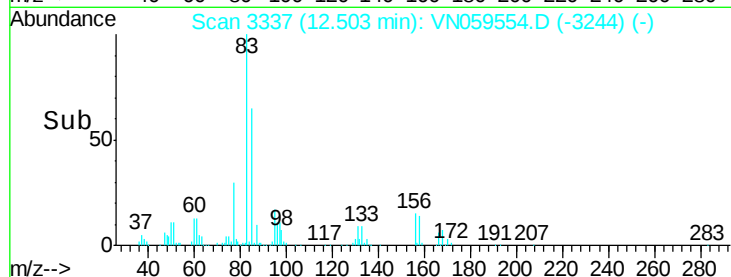
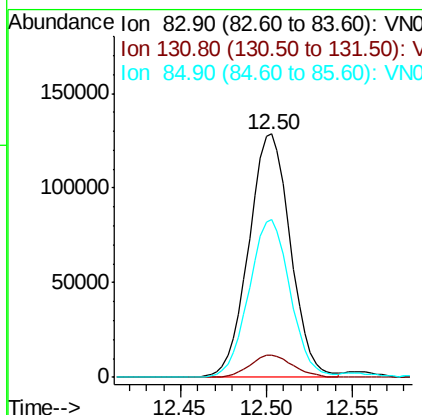
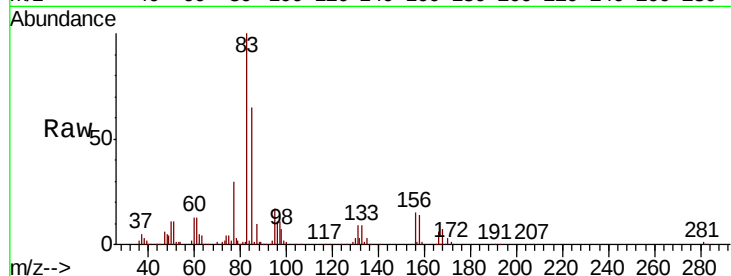
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	216243
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	14.9
85	64.2	31.6	95.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.390 ug/l m

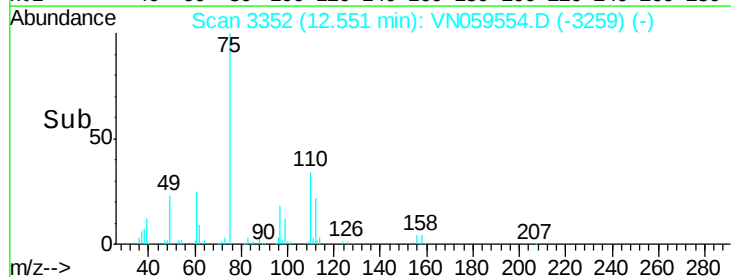
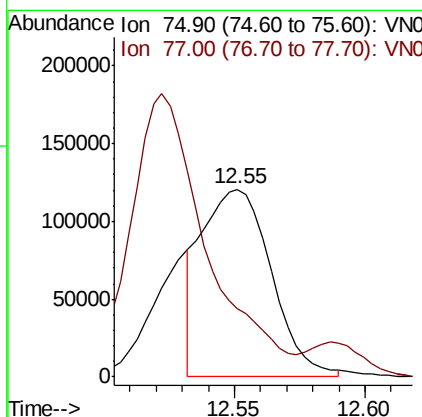
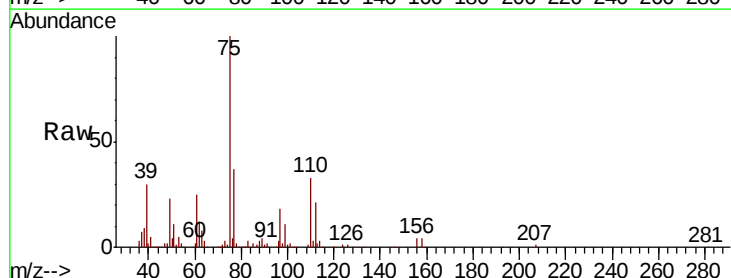
RT: 12.55 min Scan# 3352

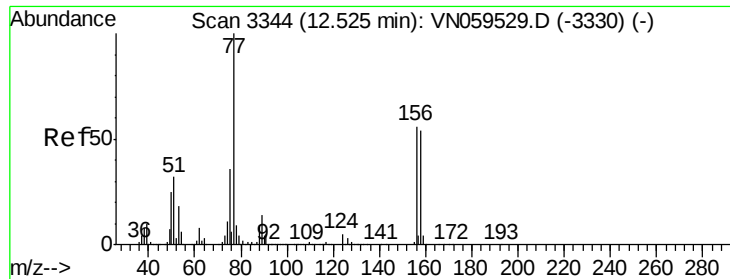
Delta R.T. 0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Tgt Ion:	75	Resp:	223029
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 41.827 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

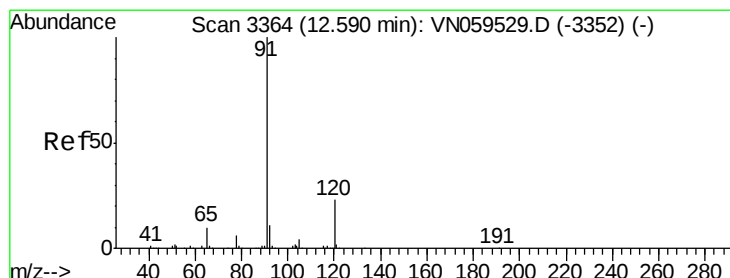
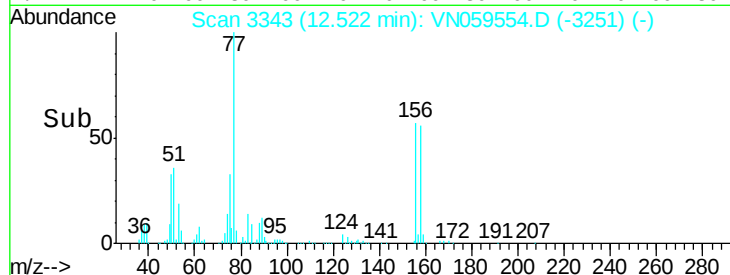
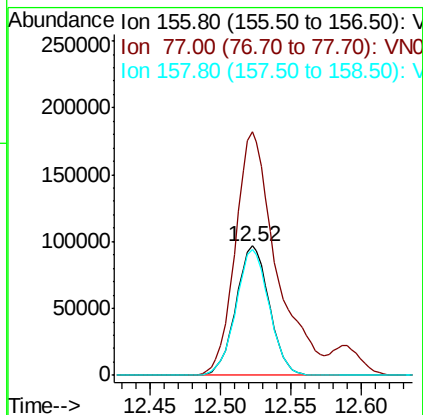
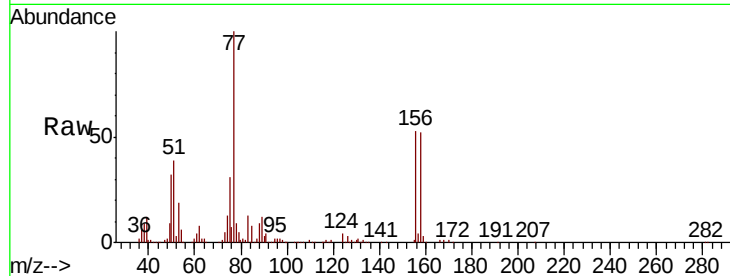
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	160706
Ion Ratio	Lower	Upper	
156	100		
77	230.6	109.3	327.8
158	97.1	48.6	145.8

Manual Integrations
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#78

n-propylbenzene

Concen: 43.724 ug/l

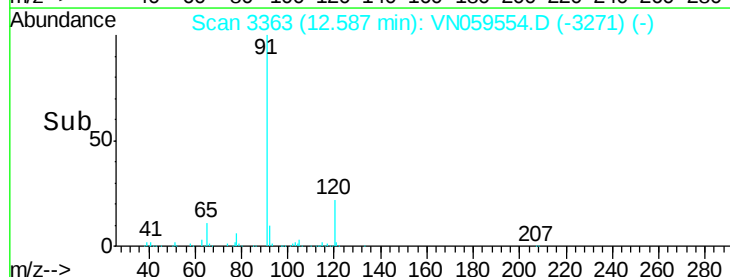
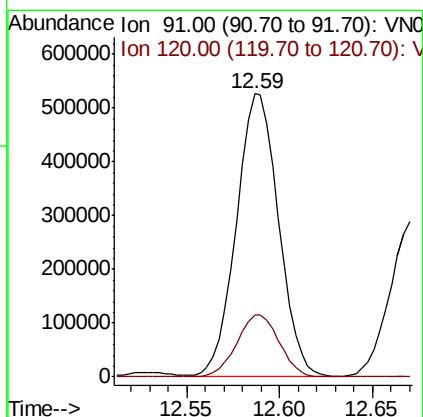
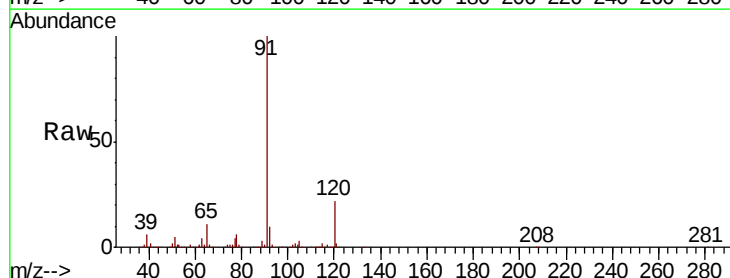
RT: 12.59 min Scan# 3363

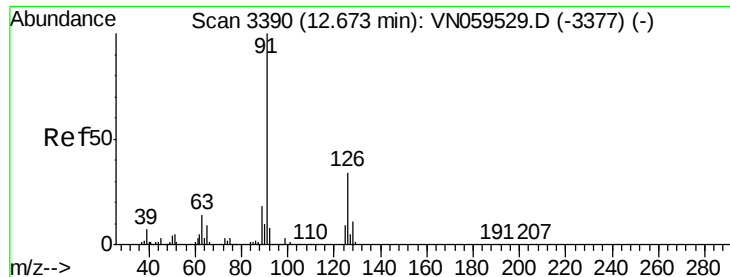
Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Tgt Ion:	91	Resp:	829213
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.4	34.1





#79

2-Chlorotoluene

Concen: 42.207 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 477292

Ion Ratio Lower Upper

91 100

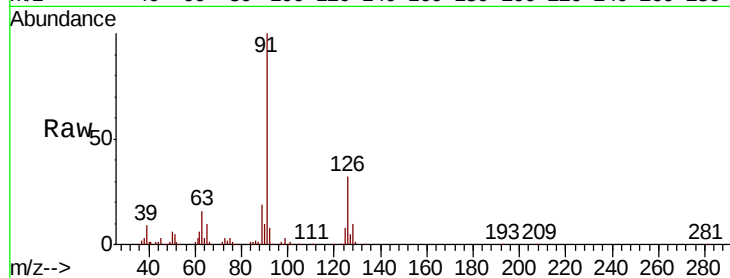
126 32.8 16.9 50.7

Manual Integrations

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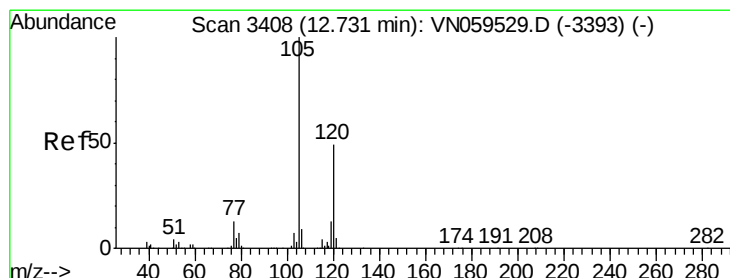
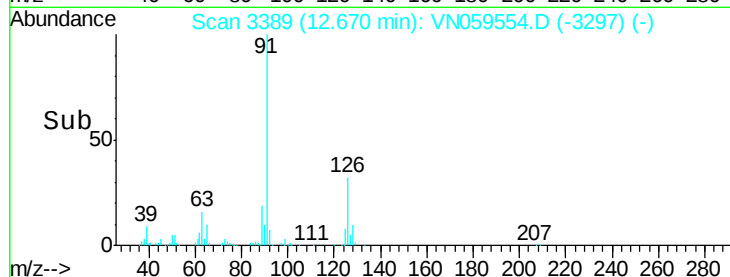
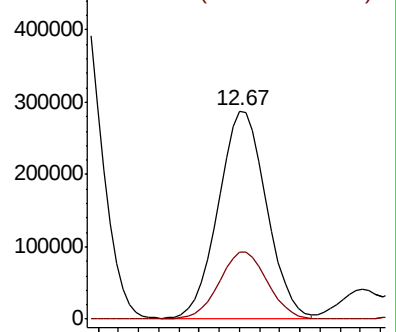
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Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059529.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 44.066 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059554.D

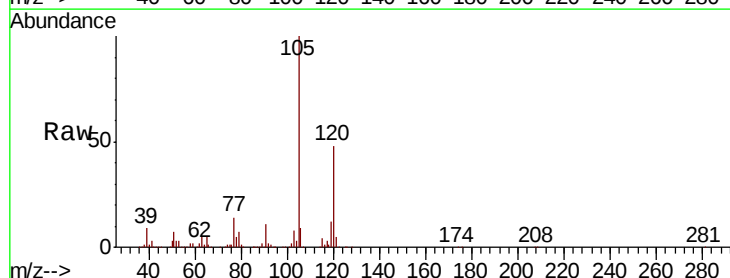
Acq: 11 Dec 2019 11:22

Tgt Ion: 105 Resp: 583178

Ion Ratio Lower Upper

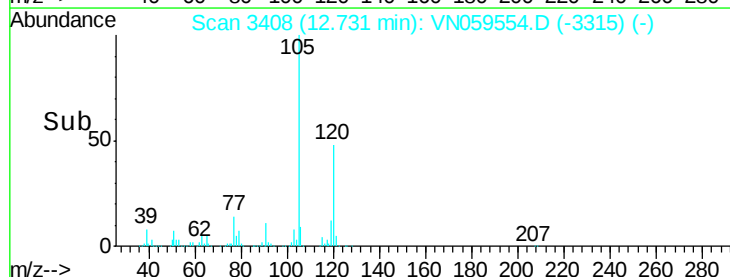
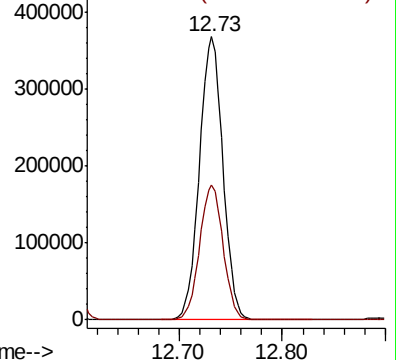
105 100

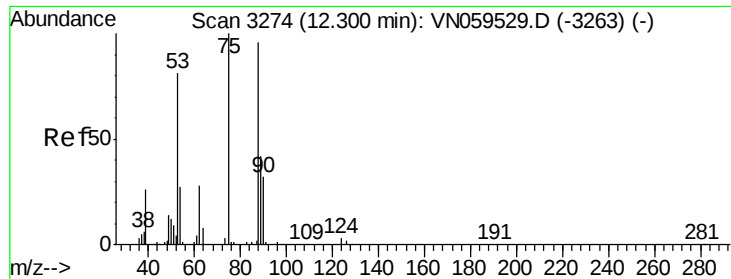
120 48.0 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059529.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN059529.D (-3393) (-)





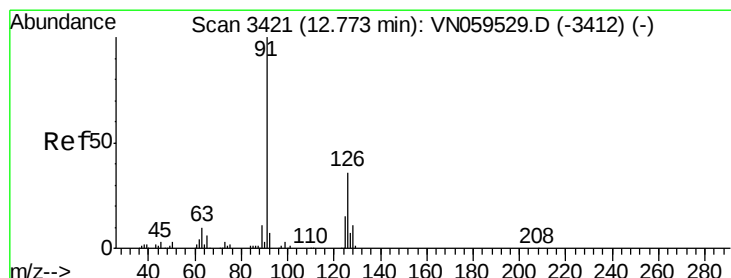
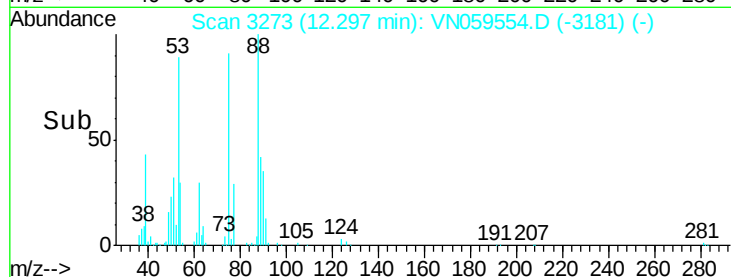
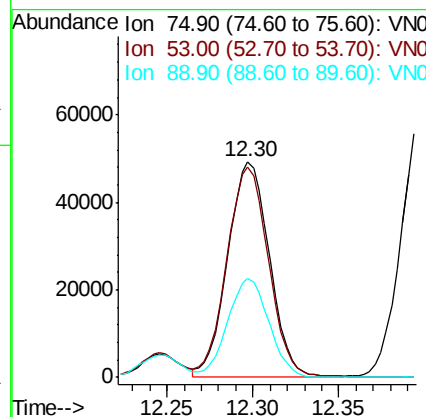
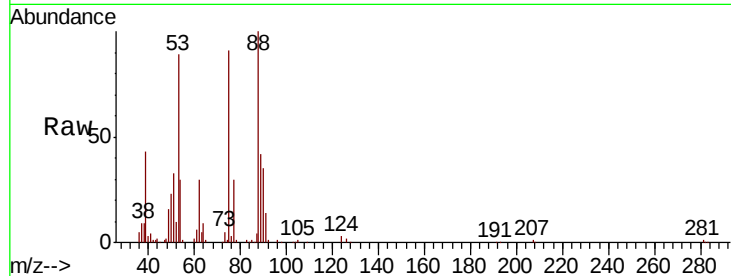
#81
trans-1,4-Dichloro-2-butene
Concen: 42.624 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.9	67.0	100.6
89	45.1	35.5	53.3

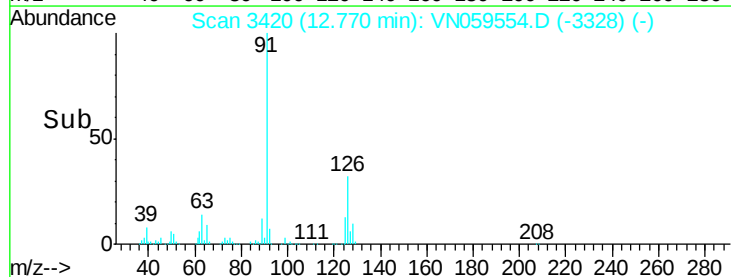
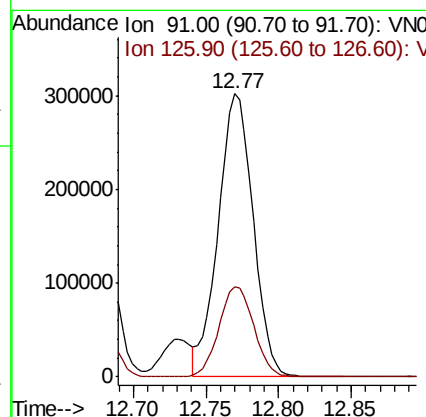
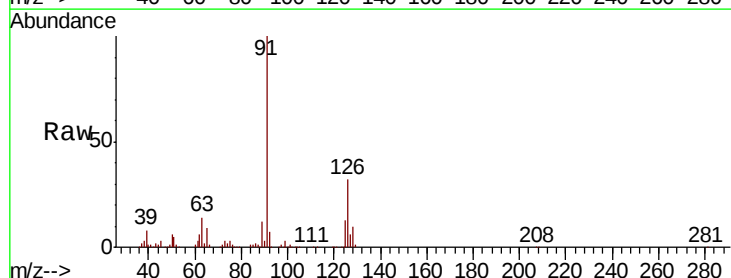
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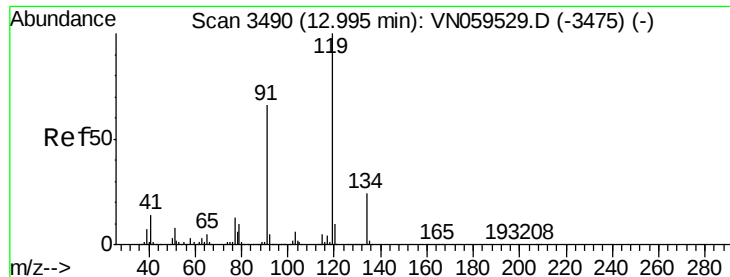
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#82
4-Chlorotoluene
Concen: 43.661 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.4	49.4





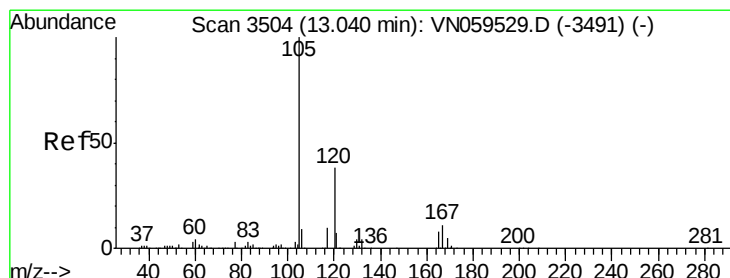
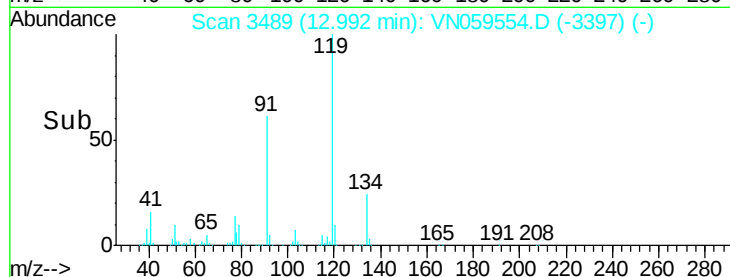
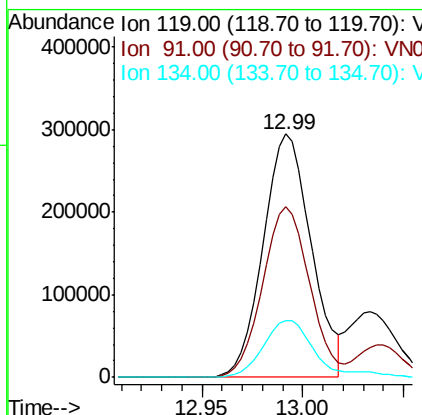
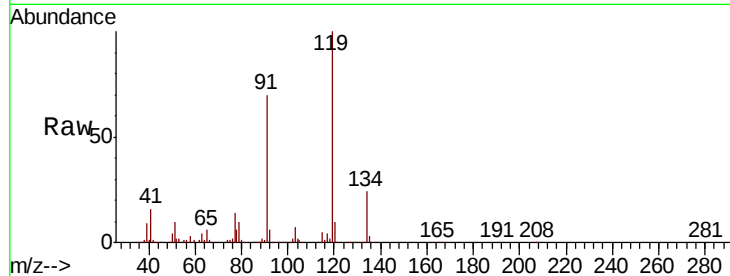
#83
tert-Butylbenzene
Concen: 44.242 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	32.8	98.4
134	25.4	12.8	38.3

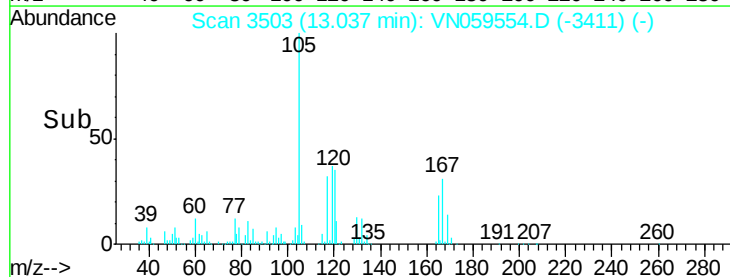
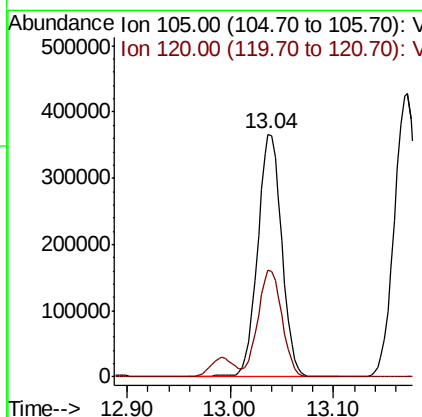
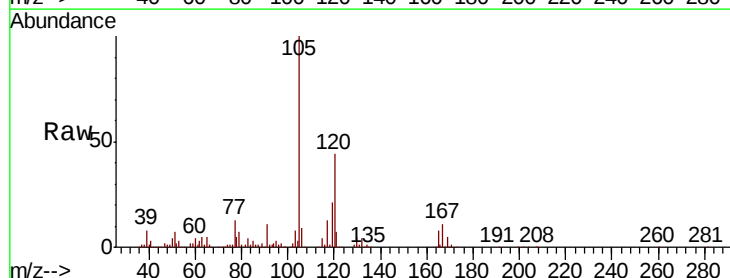
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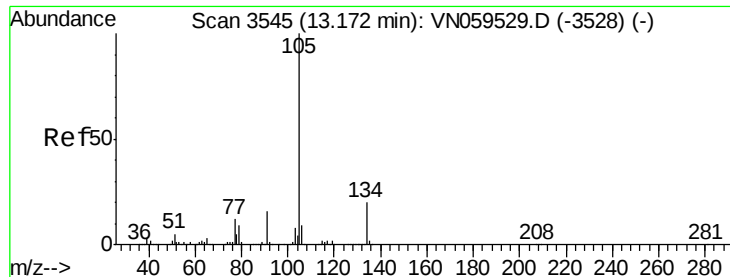
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 45.273 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.8	68.3





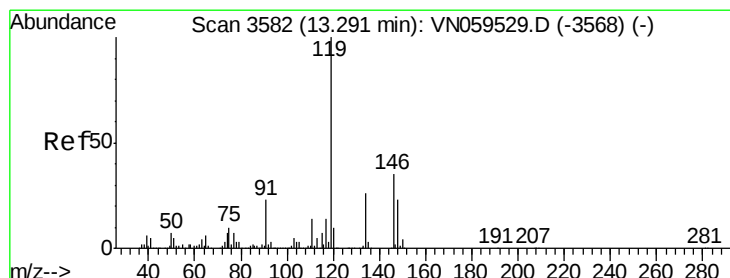
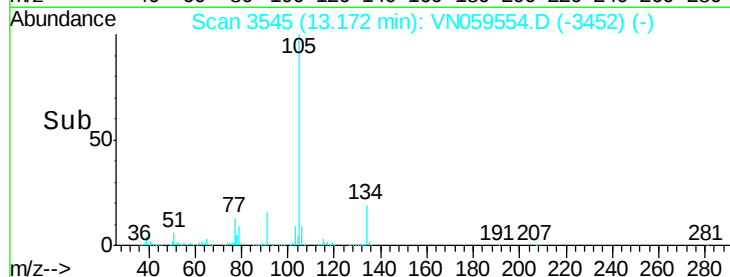
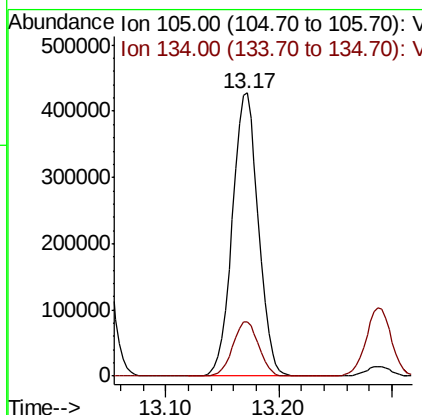
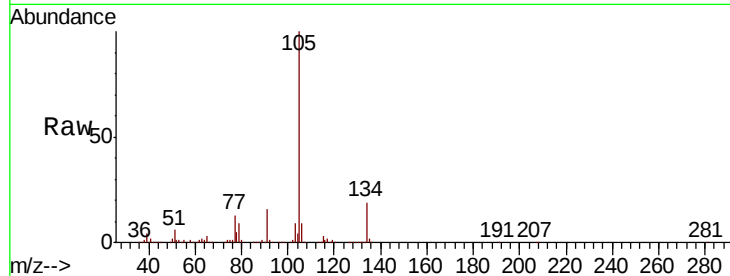
#85
 sec-Butylbenzene
 Concen: 44.899 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

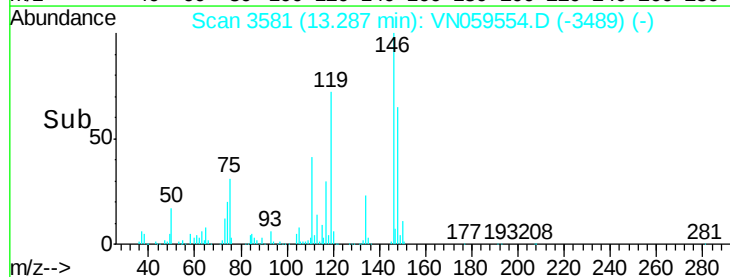
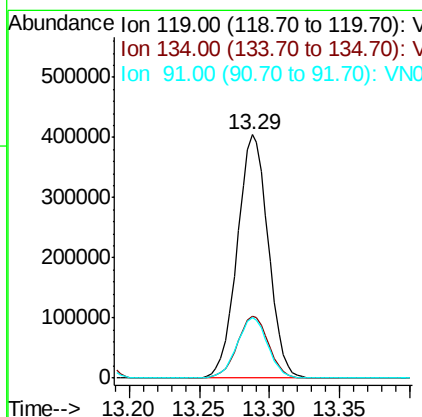
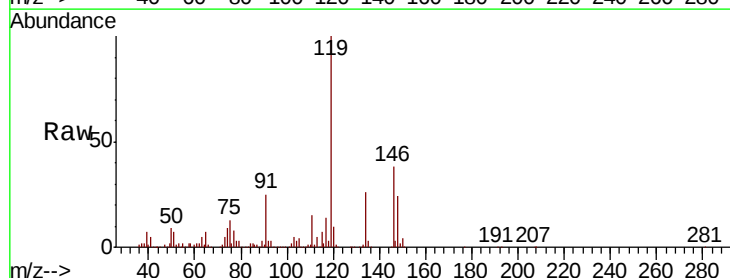
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#86
 p-Isopropyltoluene
 Concen: 45.803 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	24.7	11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 42.542 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059554.D

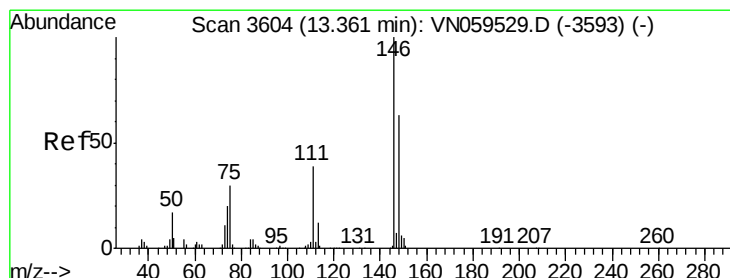
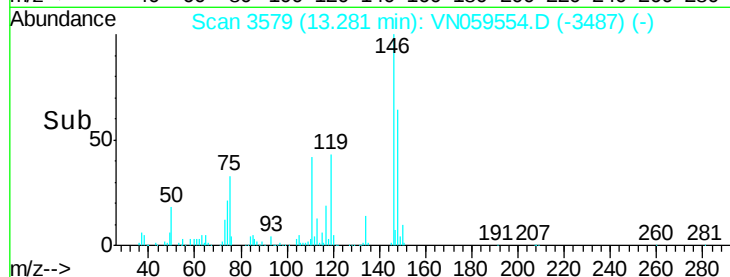
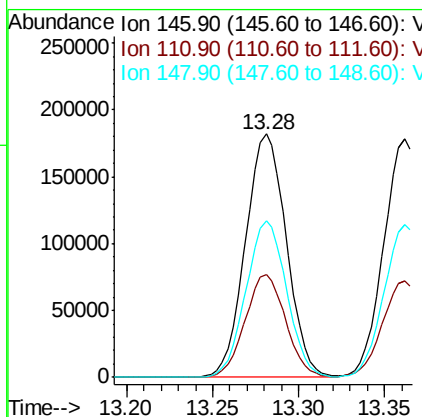
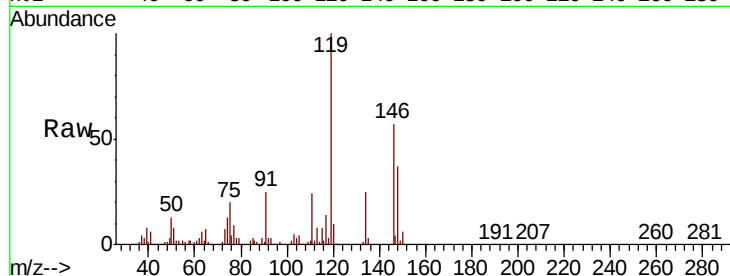
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.7	20.6	61.8	
148	63.9	32.0	96.0	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 42.817 ug/l

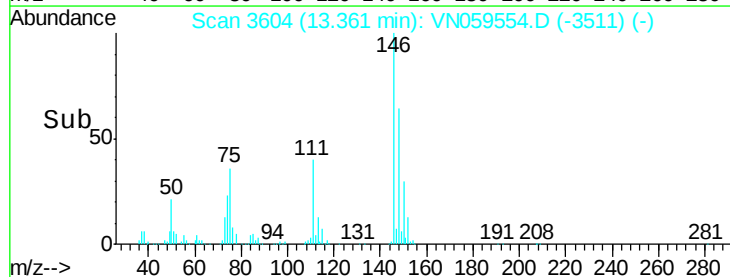
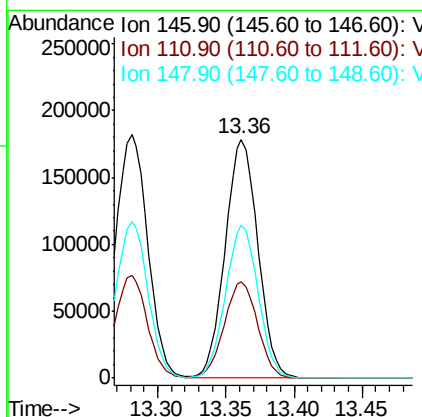
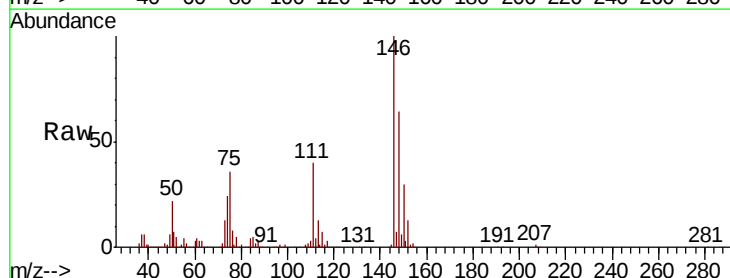
RT: 13.36 min Scan# 3604

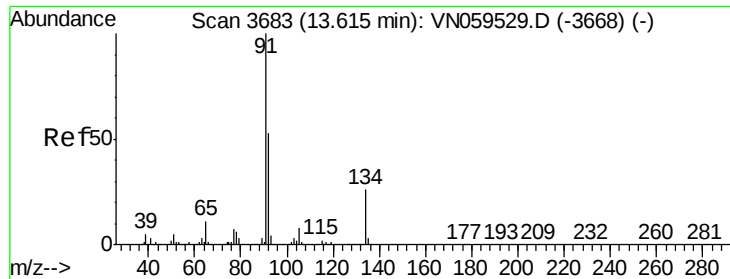
Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.2	20.0	59.9	
148	64.4	31.9	95.7	





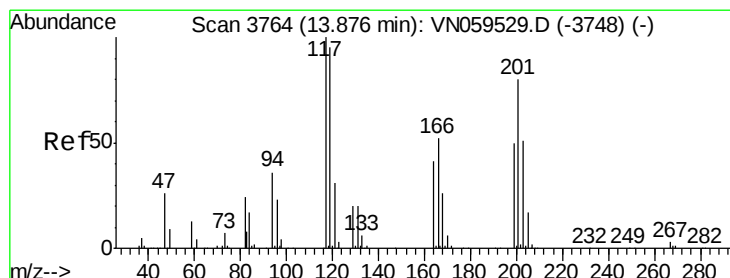
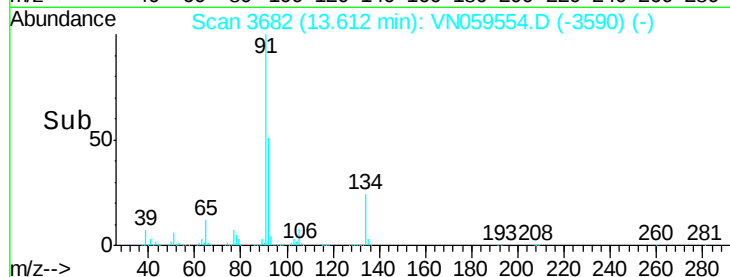
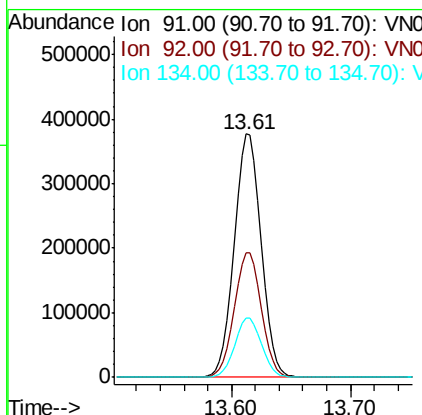
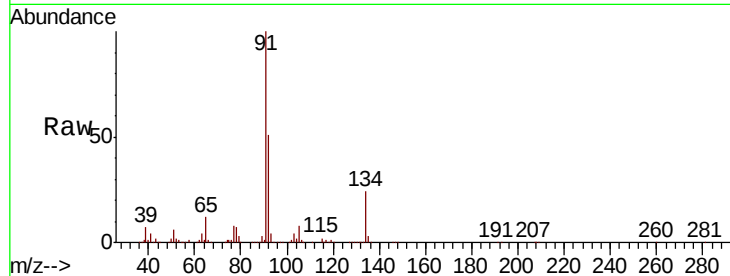
#89
n-Butylbenzene
Concen: 46.428 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.3	78.9
134	24.2	12.8	38.4

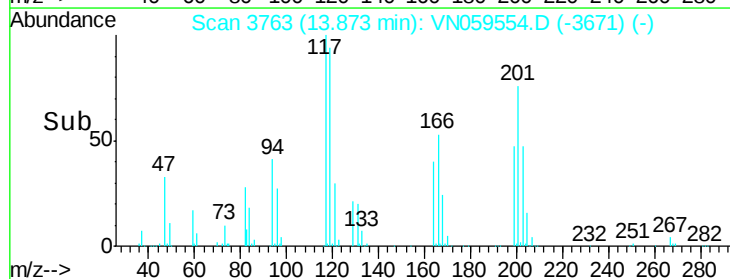
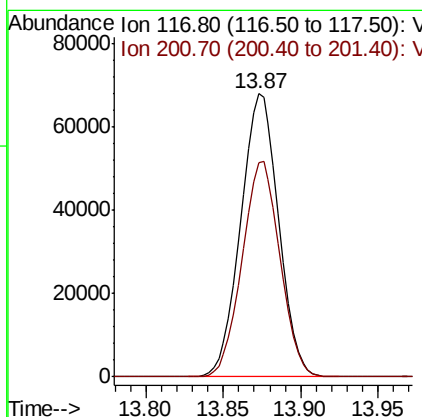
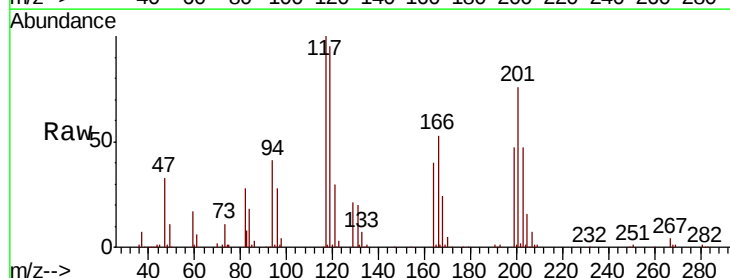
Manual Integrations
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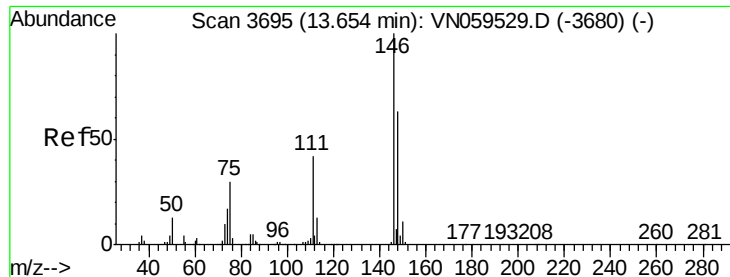
MMDadoda
12/12/2019 11:27:17 AM



#90
Hexachloroethane
Concen: 46.546 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.9	40.5	121.5





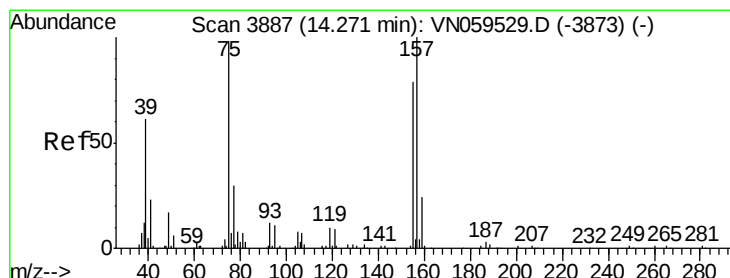
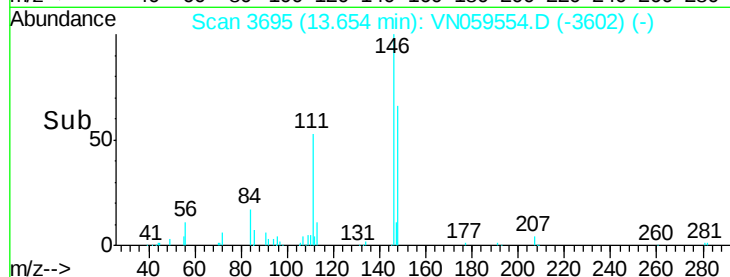
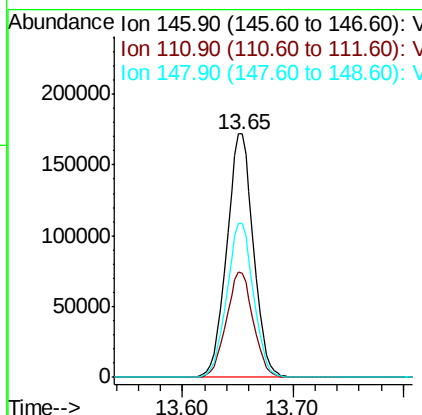
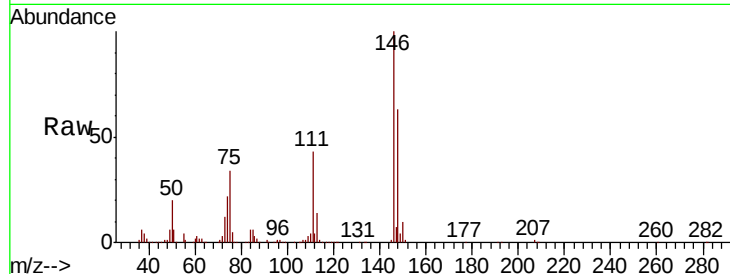
#91
 1,2-Dichlorobenzene
 Concen: 43.300 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	287562		
111	43.5	20.9	62.7	
148	63.5	31.6	94.8	

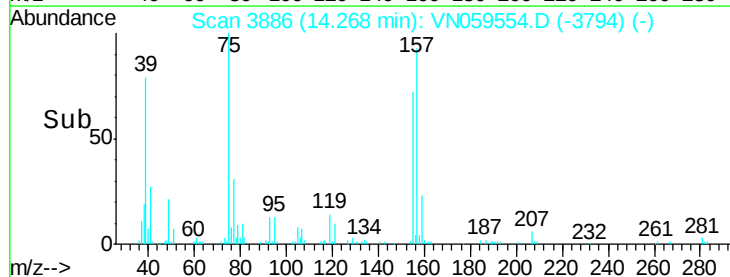
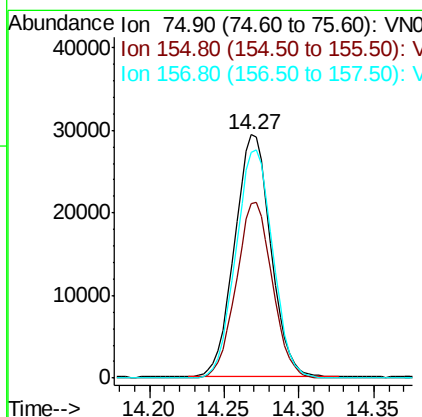
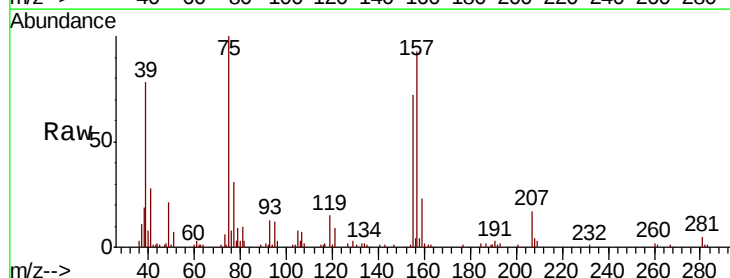
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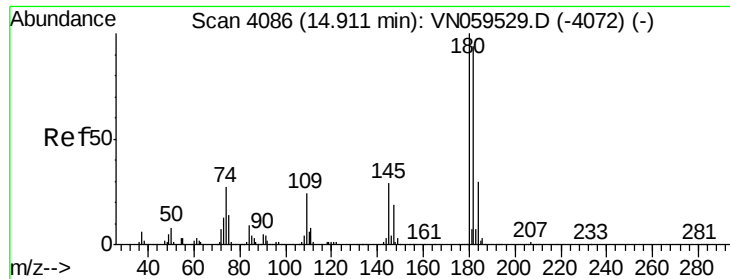
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.482 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	49300		
155	72.4	40.4	121.1	
157	96.4	51.1	153.3	





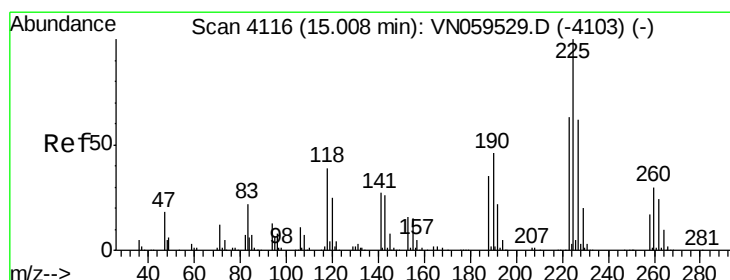
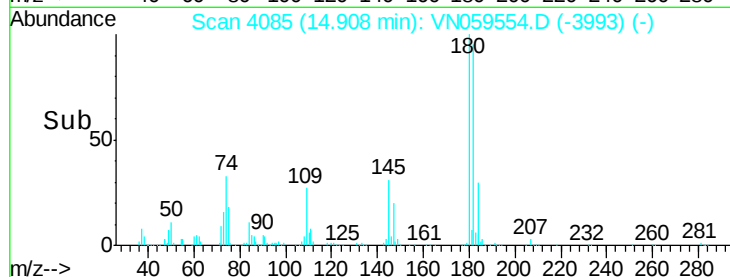
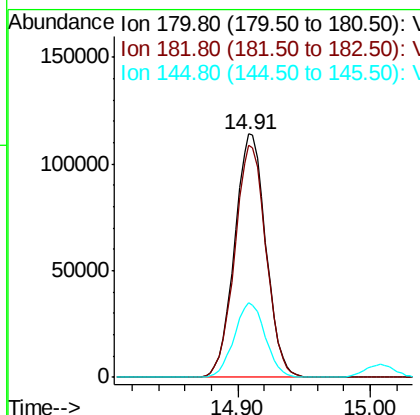
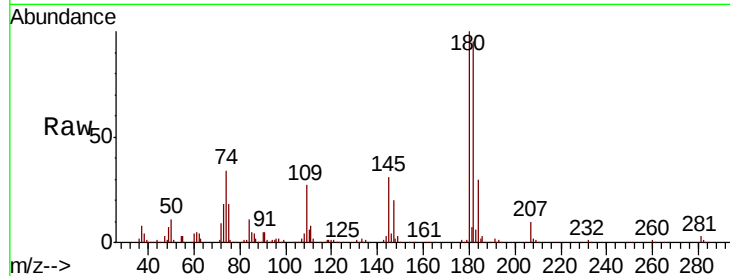
#93
 1,2,4-Trichlorobenzene
 Concen: 40.569 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	186347		
182	95.4	47.3	142.0	
145	30.5	14.9	44.7	

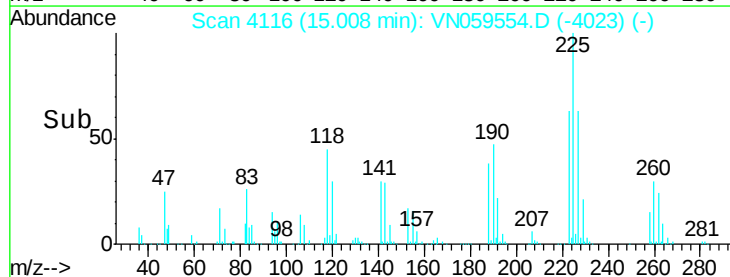
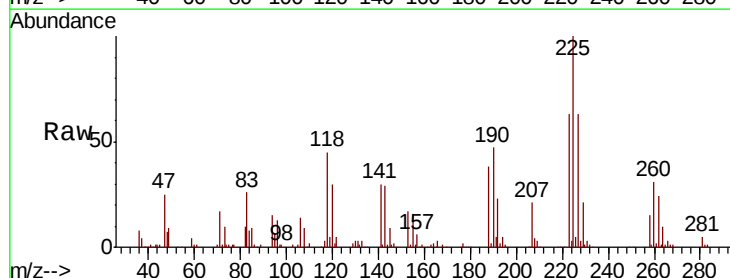
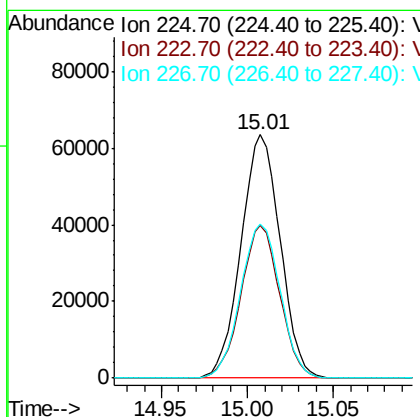
Manual Integrations
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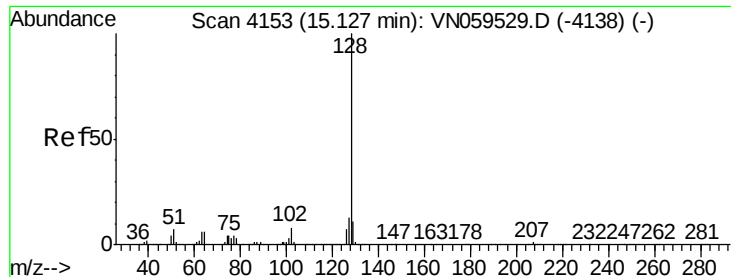
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#94
 Hexachlorobutadiene
 Concen: 42.852 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100560		
223	61.9	31.3	93.9	
227	64.3	31.6	95.0	





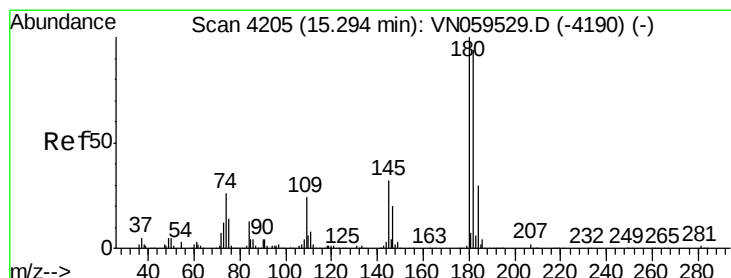
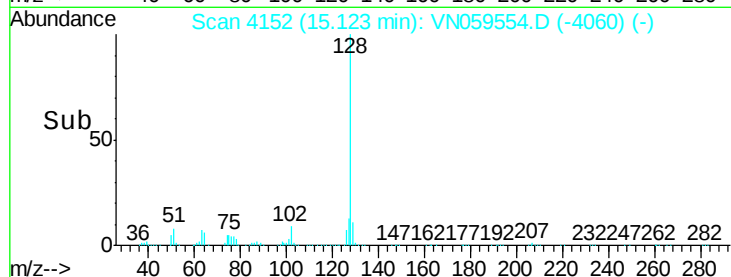
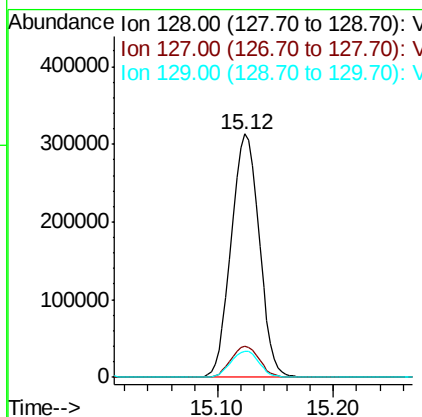
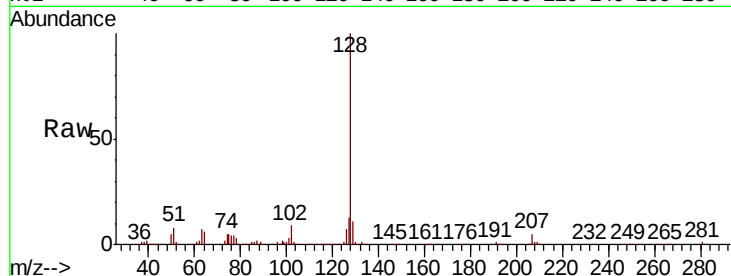
#95
Naphthalene
Concen: 39.000 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 40.193 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.1	141.4
145	32.4	15.8	47.4

