

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059332.D
 Acq On : 21 Nov 2019 14:01
 Operator : JC/SP
 Sample : VN1121MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 3:12:04 PM

Quant Time: Nov 22 06:22:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	434896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	689238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	603394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	261964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	255882	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
35) Dibromofluoromethane	7.57	113	204314	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.08	98	801136	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.40	95	270359	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	82411	14.802	ug/l 98
3) Chloromethane	2.04	50	99905	14.647	ug/l 98
4) Vinyl Chloride	2.17	62	109520	15.596	ug/l 99
5) Bromomethane	2.55	94	60040	15.400	ug/l 99
6) Chloroethane	2.69	64	54690	14.270	ug/l 95
7) Trichlorofluoromethane	3.00	101	108466	14.343	ug/l 99
8) Diethyl Ether	3.39	74	47908	15.496	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	69876	15.111	ug/l 98
10) Methyl Iodide	3.93	142	85951	14.956	ug/l 99
11) Tert butyl alcohol	4.75	59	75429	72.200	ug/l 100
12) 1,1-Dichloroethene	3.72	96	68628	14.621	ug/l 94
13) Acrolein	3.58	56	83565	87.625	ug/l 100
14) Allyl chloride	4.30	41	130536	14.887	ug/l 99
15) Acrylonitrile	4.96	53	201468	72.936	ug/l 99
16) Acetone	3.79	43	164973	70.511	ug/l 97
17) Carbon Disulfide	4.03	76	218602	14.959	ug/l 100
18) Methyl Acetate	4.30	43	115731	14.905	ug/l 99
19) Methyl tert-butyl Ether	5.02	73	228694	15.085	ug/l 98
20) Methylene Chloride	4.53	84	79391	15.045	ug/l 97
21) trans-1,2-Dichloroethene	5.01	96	74053	14.886	ug/l 95
22) Diisopropyl ether	5.92	45	244707	14.822	ug/l 98
23) Vinyl Acetate	5.87	43	973507	74.986	ug/l 99
24) 1,1-Dichloroethane	5.82	63	140998	15.173	ug/l 99
25) 2-Butanone	6.81	43	262571	72.171	ug/l 99
26) 2,2-Dichloropropane	6.80	77	118356	14.709	ug/l 99
27) cis-1,2-Dichloroethene	6.81	96	82486	14.697	ug/l 98
28) Bromochloromethane	7.18	49	60289	17.530	ug/l 99
29) Tetrahydrofuran	7.19	42	185768	73.845	ug/l 99
30) Chloroform	7.35	83	136870	15.082	ug/l 97
31) Cyclohexane	7.64	56	133911	14.575	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	114157	14.734	ug/l 99
36) 1,1-Dichloropropene	7.77	75	104715	14.717	ug/l 99
37) Ethyl Acetate	6.91	43	111800	14.620	ug/l 98
38) Carbon Tetrachloride	7.75	117	100667	14.779	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	122231	14.246	ug/l	98
40) Benzene	8.02	78	315379	15.102	ug/l	98
41) Methacrylonitrile	7.15	41	46096	13.579	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	102633	14.860	ug/l	99
43) Isopropyl Acetate	8.15	43	168495	14.418	ug/l	100
44) Trichloroethene	8.82	130	78191	14.773	ug/l	93
45) 1,2-Dichloropropane	9.10	63	82891	14.885	ug/l	99
46) Dibromomethane	9.20	93	50996	14.930	ug/l	99
47) Bromodichloromethane	9.39	83	101351	14.816	ug/l	99
48) Methyl methacrylate	9.19	41	74734	14.062	ug/l	98
49) 1,4-Dioxane	9.19	88	24208	303.079	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	521427	76.226	ug/l	99
52) Toluene	10.15	92	186749	14.872	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	114912	14.450	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	127260	14.748	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	74455	15.250	ug/l	97
56) Ethyl methacrylate	10.42	69	106034	14.488	ug/l	99
57) 1,3-Dichloropropane	10.70	76	127542	14.988	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	191652	80.335	ug/l	99
59) 2-Hexanone	10.75	43	368955	73.659	ug/l	99
60) Dibromochloromethane	10.90	129	76247	14.820	ug/l	99
61) 1,2-Dibromoethane	11.00	107	74628	14.690	ug/l	100
64) Tetrachloroethene	10.63	164	67874	14.544	ug/l	97
65) Chlorobenzene	11.43	112	192386	14.828	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	71264	15.120	ug/l	98
67) Ethyl Benzene	11.51	91	342512	14.785	ug/l	100
68) m/p-Xylenes	11.62	106	254861	29.608	ug/l	99
69) o-Xylene	11.95	106	120612	14.636	ug/l	99
70) Styrene	11.96	104	187761	14.440	ug/l	99
71) Bromoform	12.13	173	52575	14.729	ug/l #	98
73) Isopropylbenzene	12.25	105	323201	15.061	ug/l	100
74) N-amyl acetate	12.07	43	120565	13.979	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	106528	15.006	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	95593m	15.795	ug/l	
77) Bromobenzene	12.53	156	76612	14.719	ug/l	98
78) n-propylbenzene	12.59	91	363083	14.937	ug/l	100
79) 2-Chlorotoluene	12.67	91	219230	14.693	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	270163	14.976	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	34672	14.329	ug/l	100
82) 4-Chlorotoluene	12.77	91	220460	14.278	ug/l	99
83) tert-Butylbenzene	12.99	119	228370	14.989	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	261485	14.797	ug/l	100
85) sec-Butylbenzene	13.17	105	304828	14.886	ug/l	100
86) p-Isopropyltoluene	13.29	119	268595	14.740	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	131671	14.205	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	130078	14.183	ug/l	98
89) n-Butylbenzene	13.62	91	224149	14.022	ug/l	100
90) Hexachloroethane	13.88	117	49922	14.466	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	130509	14.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20110	13.325	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69756	14.709	ug/l	98
94) Hexachlorobutadiene	15.01	225	46381	14.354	ug/l	98
95) Naphthalene	15.13	128	192082	14.817	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	73681	14.848	ug/l	100

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

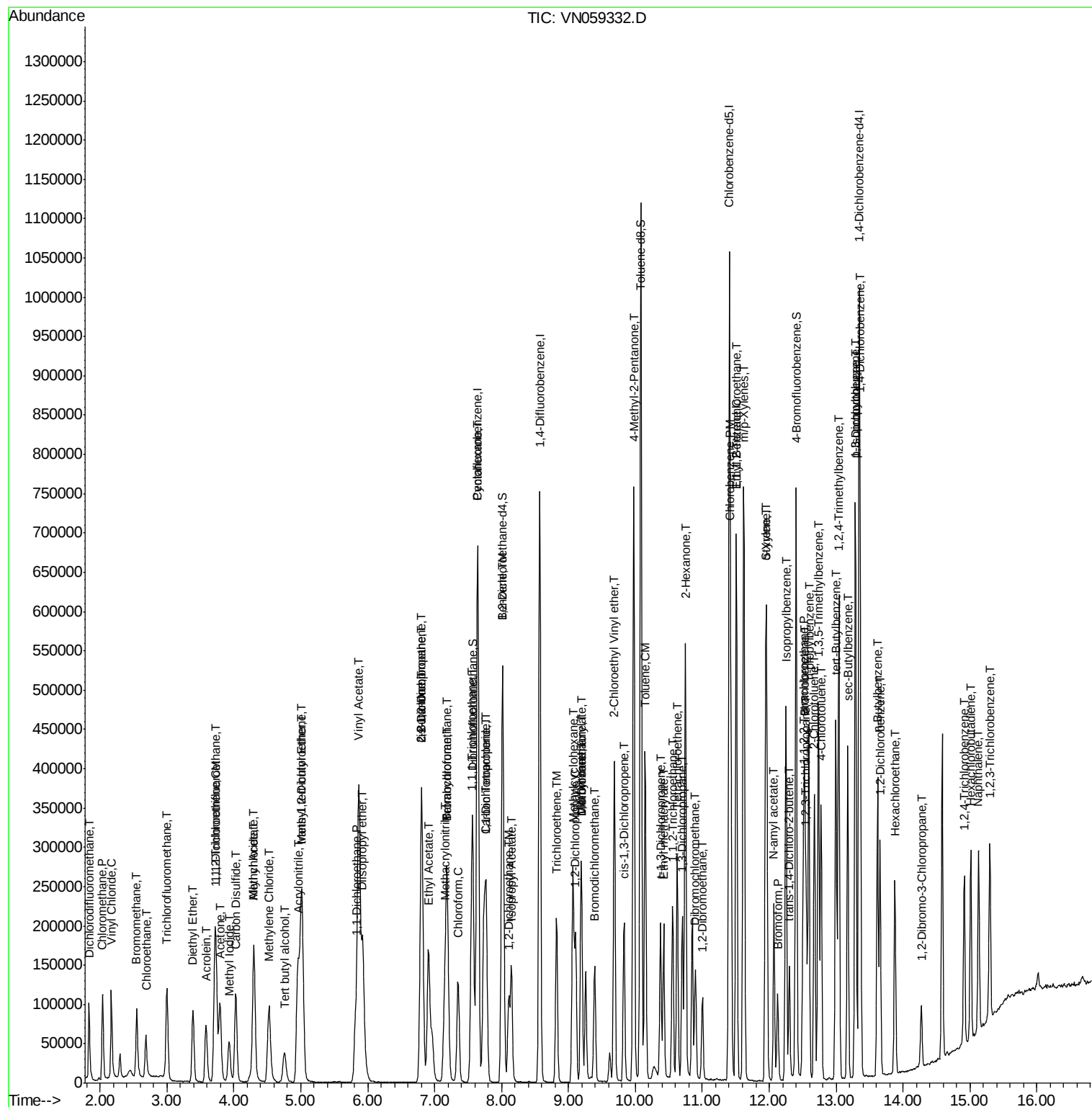
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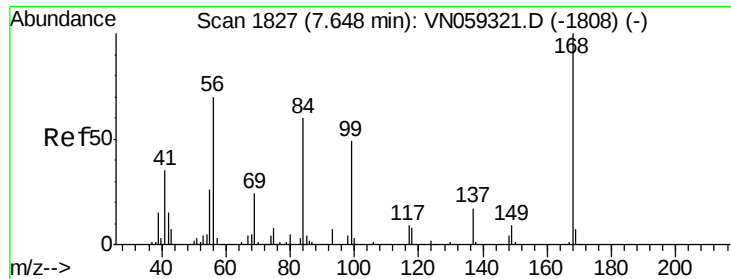
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS01

Tot Ion:168 Resp: 434896

Ion Ratio Lower Upper

168 100

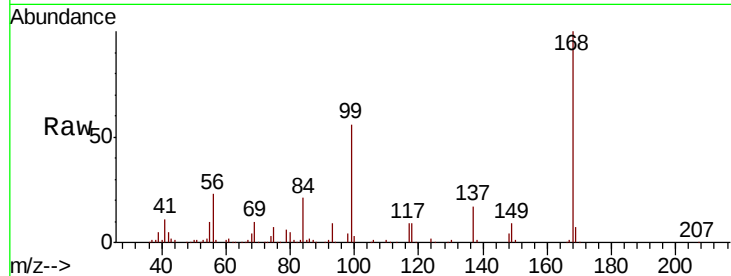
99 56.1 44.6 66.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

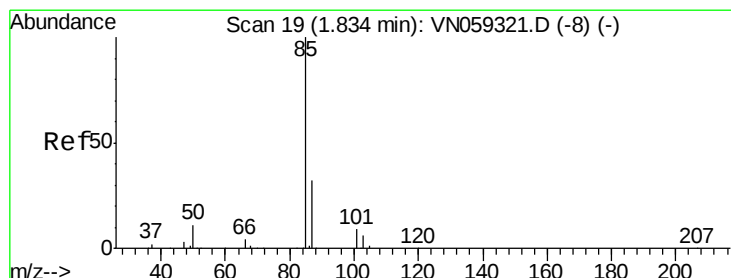
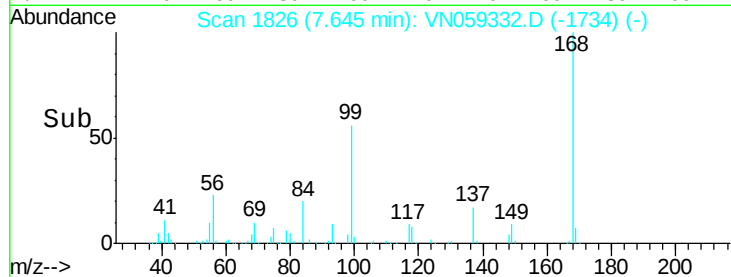
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 14.802 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059332.D

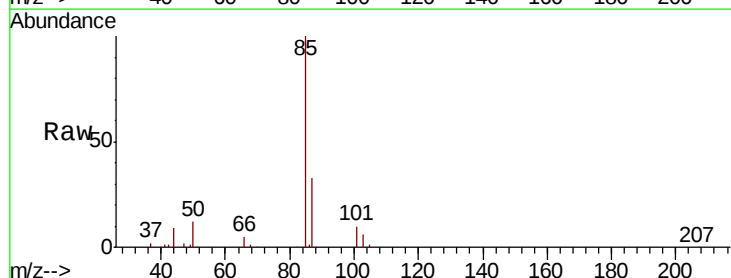
Acq: 21 Nov 2019 14:01

Tgt Ion: 85 Resp: 82411

Ion Ratio Lower Upper

85 100

87 32.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

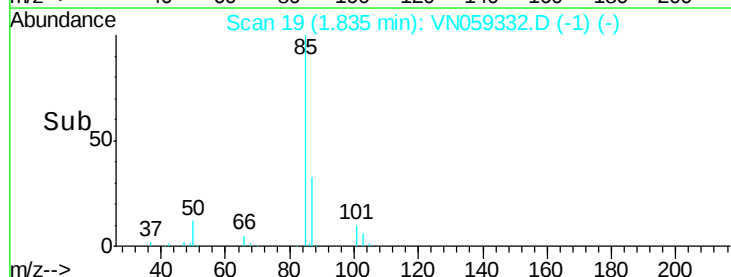
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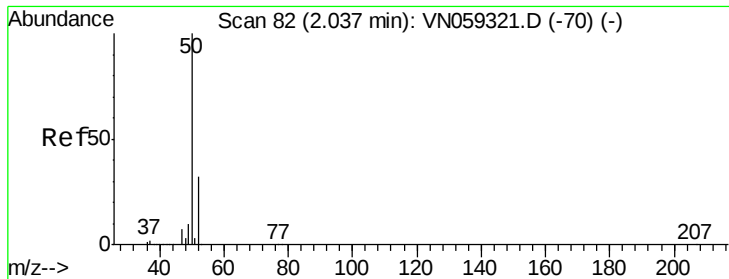
10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 14.647 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS01

Tot Ion: 50 Resp: 99905

Ion Ratio Lower Upper

50 100

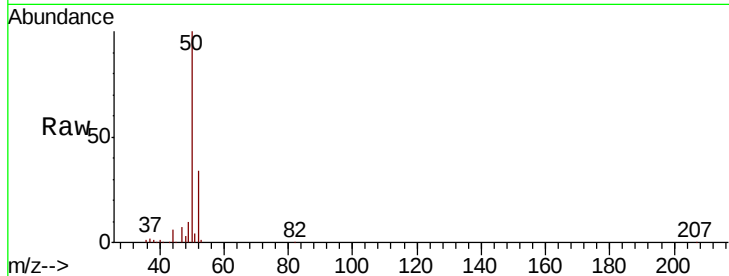
52 33.8 26.0 39.0

Manual Integrations

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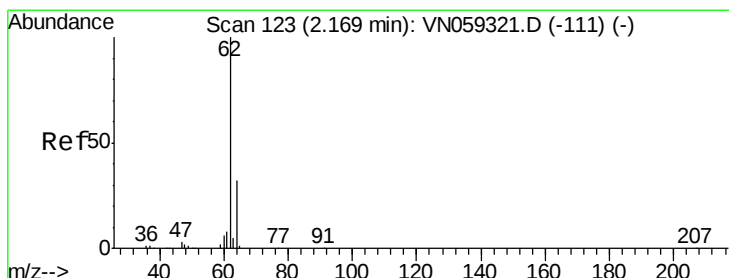
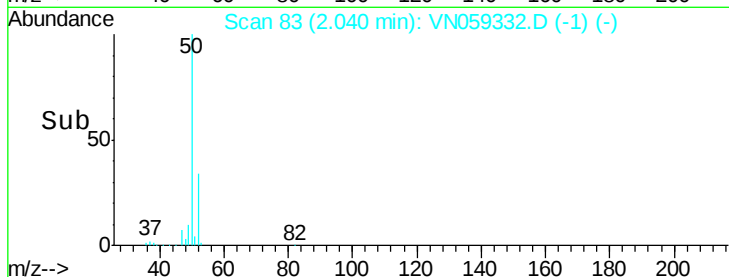
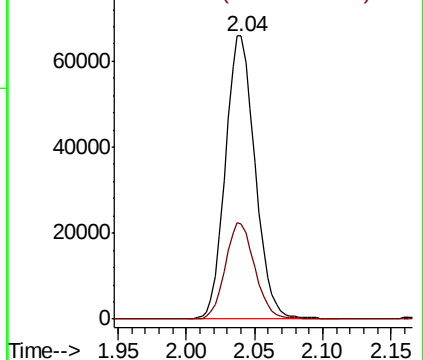
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 15.596 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059332.D

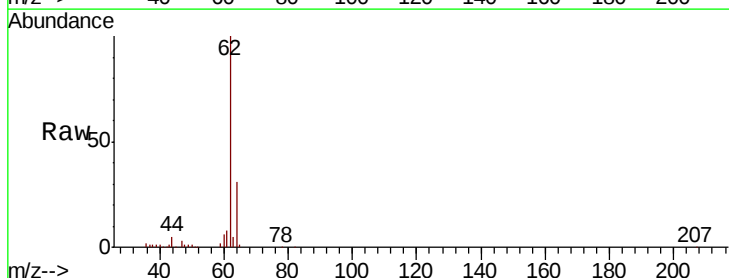
Acq: 21 Nov 2019 14:01

Tgt Ion: 62 Resp: 109520

Ion Ratio Lower Upper

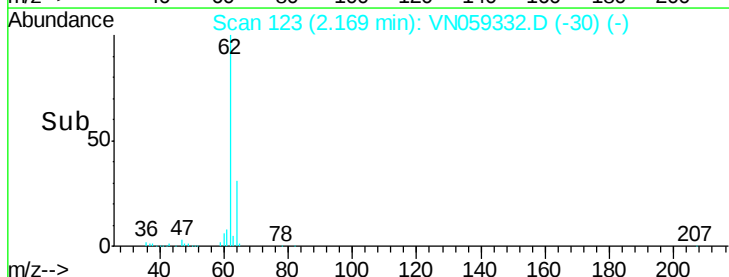
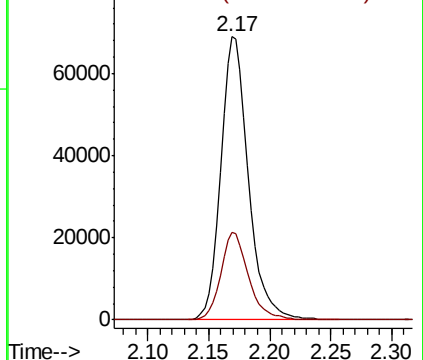
62 100

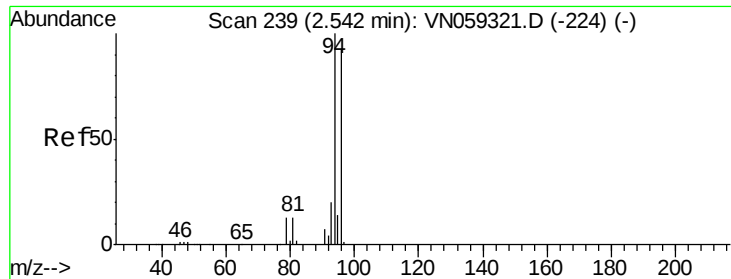
64 31.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 15.400 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 60040

Ion Ratio Lower Upper

94 100

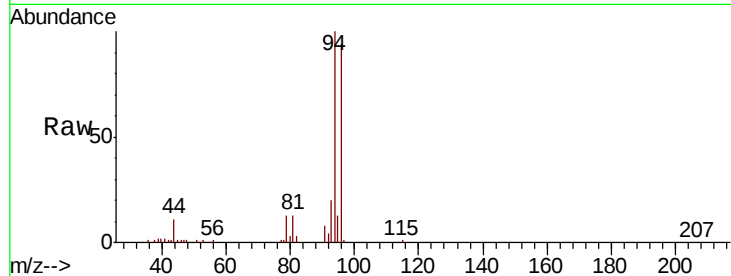
96 93.7 74.5 111.7

Manual Integrations

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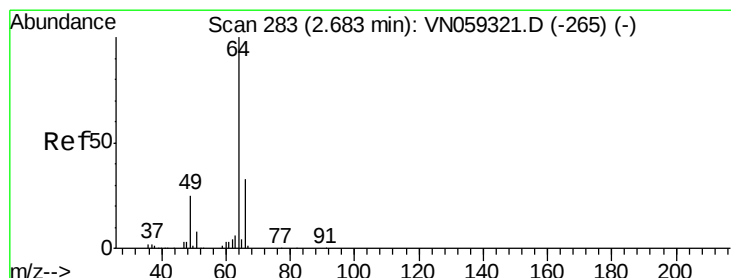
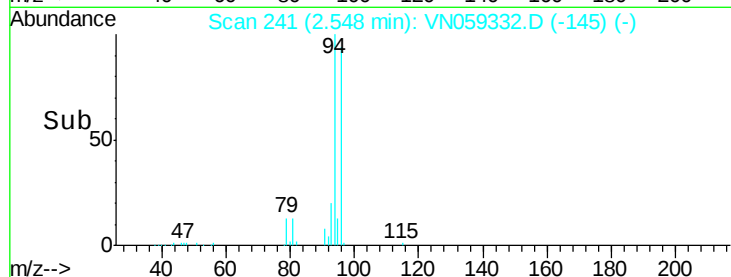
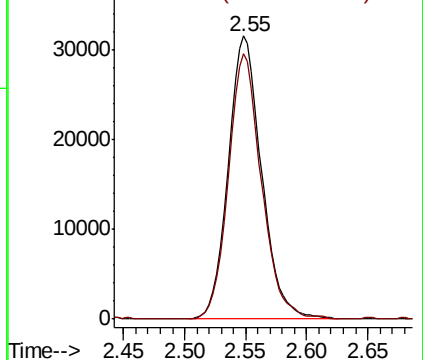
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 14.270 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059332.D

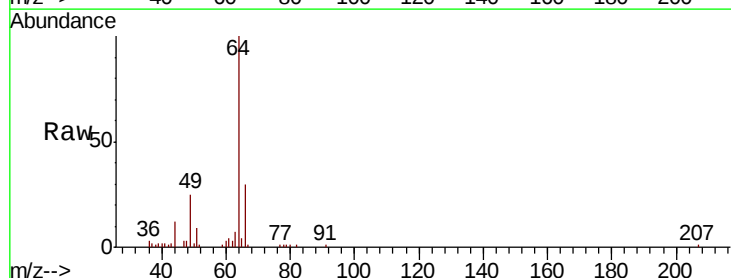
Acq: 21 Nov 2019 14:01

Tgt Ion: 64 Resp: 54690

Ion Ratio Lower Upper

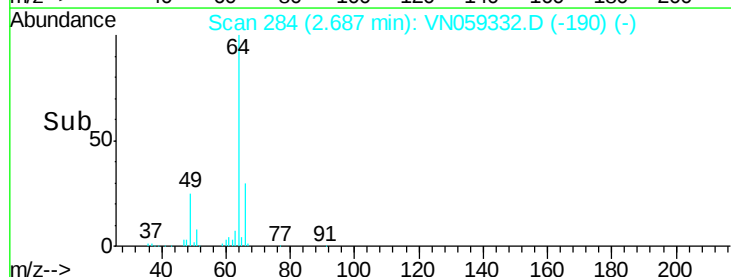
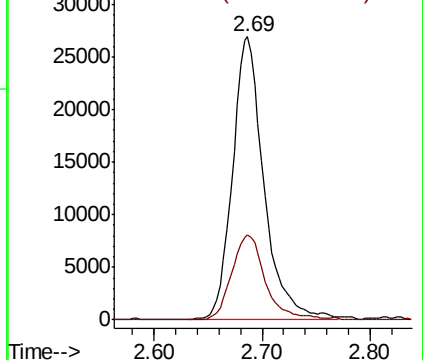
64 100

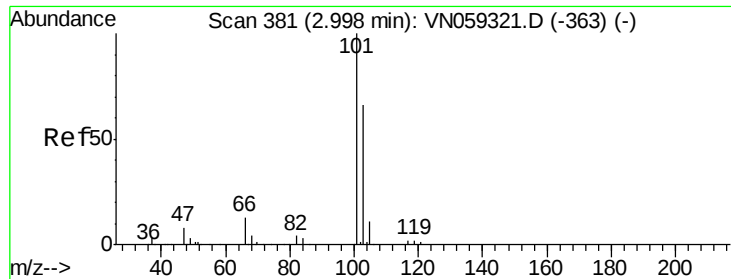
66 30.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

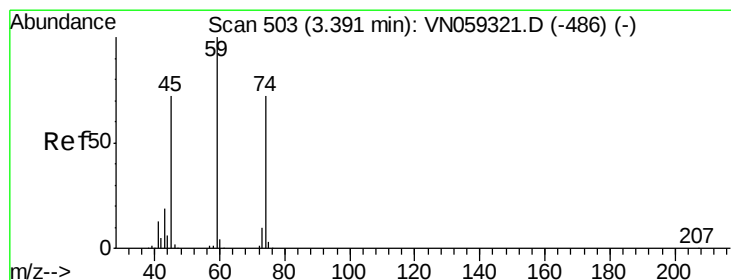
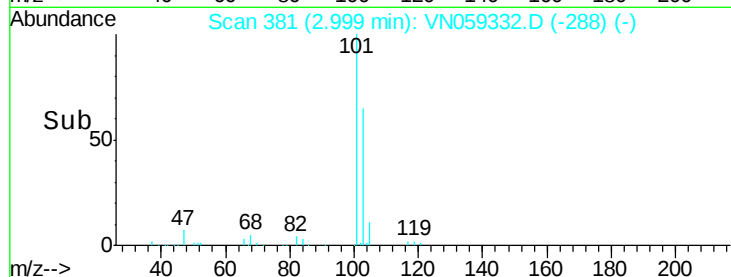
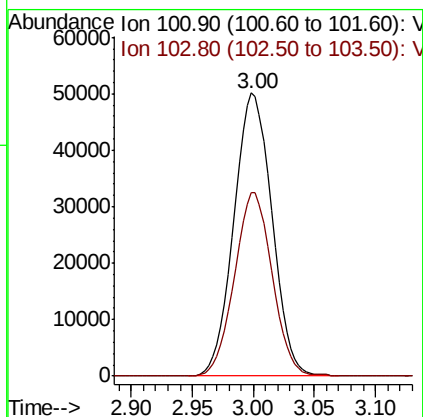
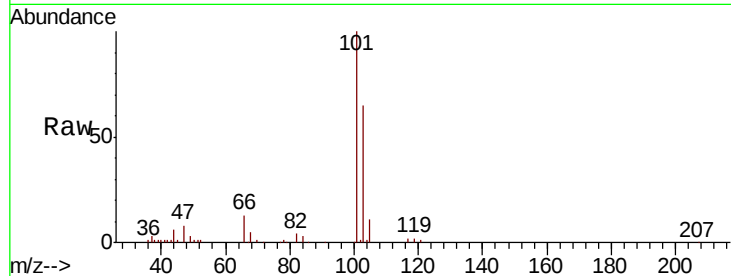
Trichlorofluoromethane
 Concen: 14.343 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		108466		
103	64.7	52.5	78.7		

Manual Integrations
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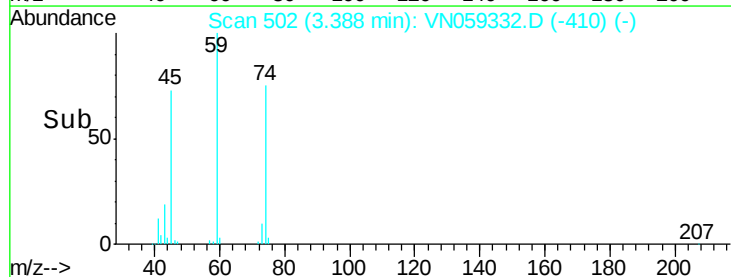
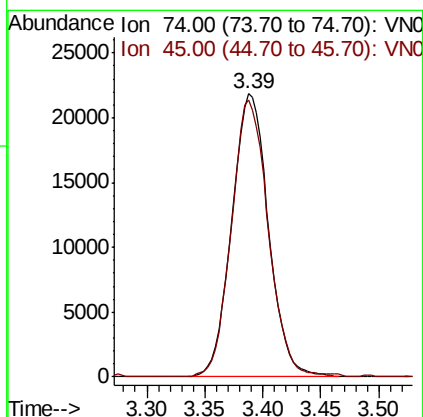
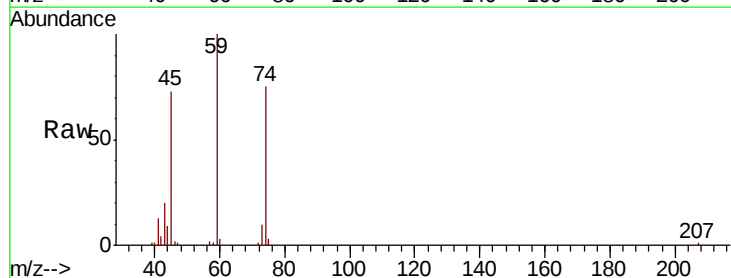
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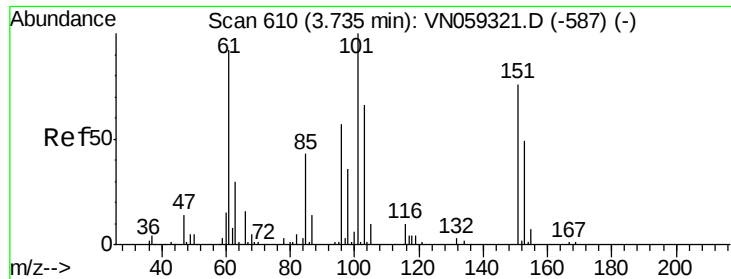


#8

Diethyl Ether
 Concen: 15.496 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		47908		
45	98.5	51.7	155.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.111 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

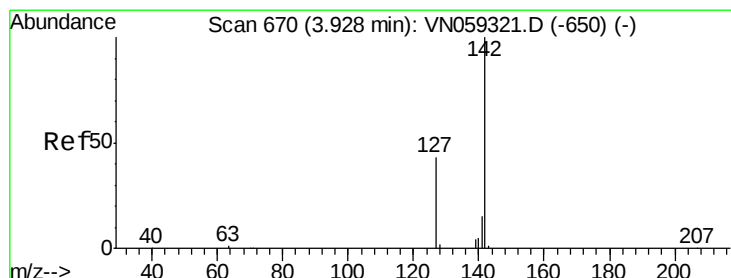
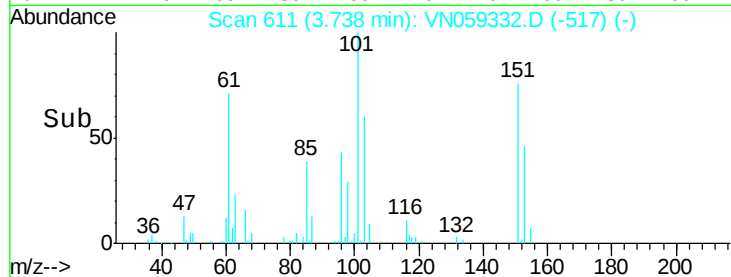
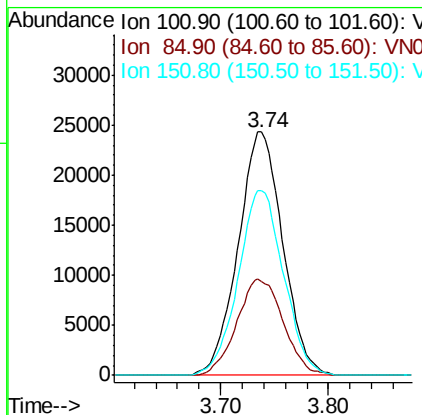
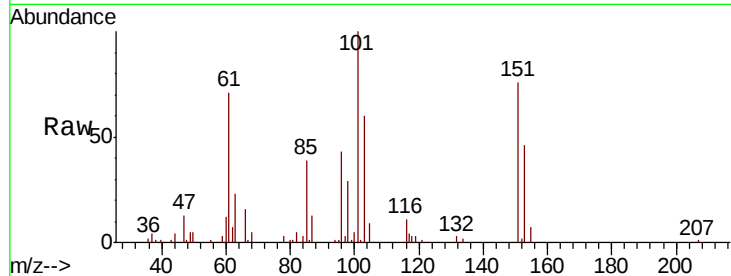
ClientSampleId :

VN1121MBS01

Tot Ion:	101	Resp:	69876
Ion Ratio	Lower	Upper	
101	100		
85	41.2	34.8	52.2
151	77.1	62.2	93.4

Manual Integrations
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#10

Methyl Iodide

Concen: 14.956 ug/l

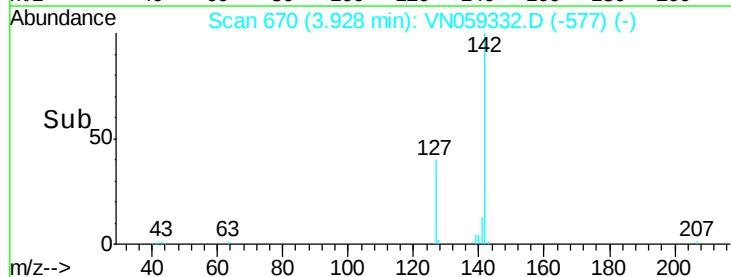
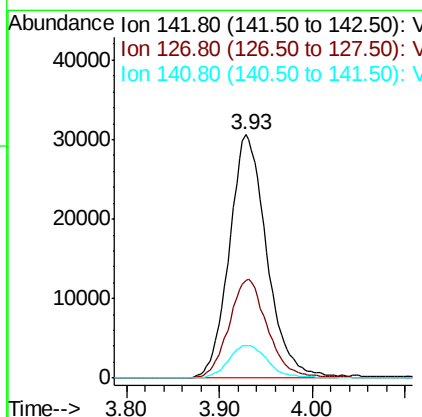
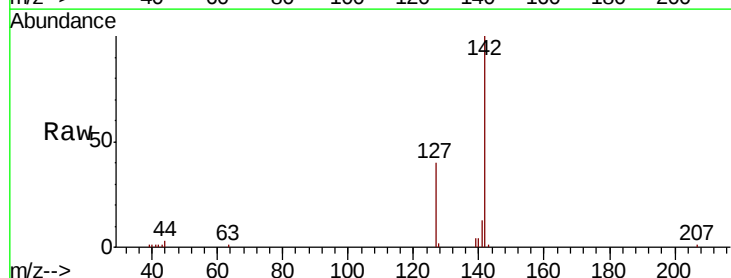
RT: 3.93 min Scan# 670

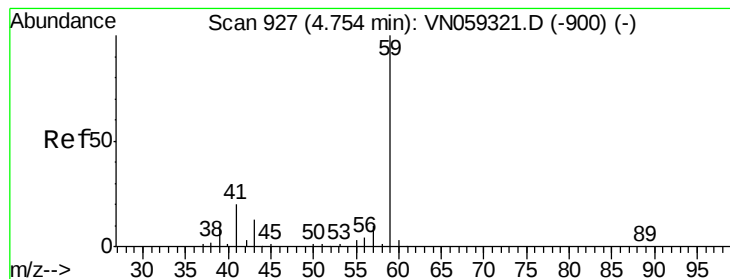
Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Tgt Ion:	142	Resp:	85951
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.8	50.6
141	14.0	11.2	16.8





#11

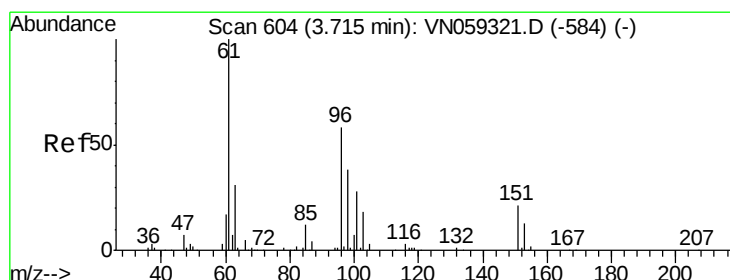
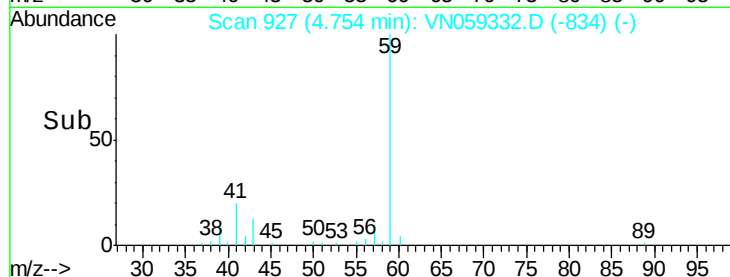
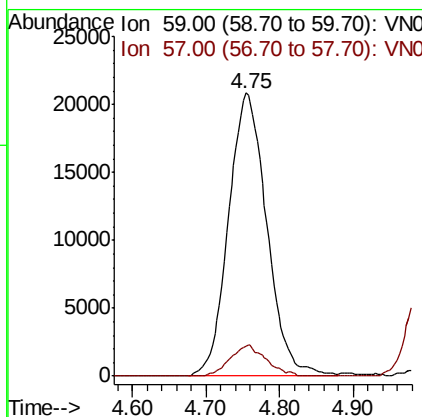
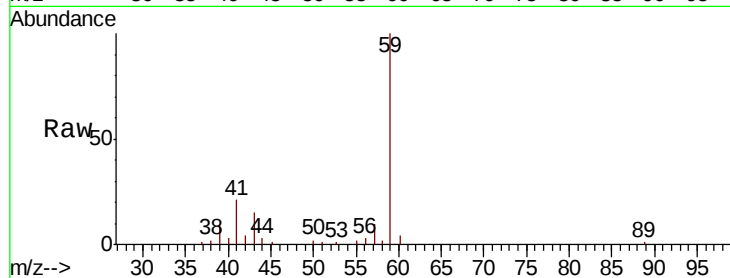
Tert butyl alcohol
Concen: 72.200 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	59	57	Ratio	100	10.3	Resp	75429	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	10.3	Resp	75429	Lower	8.2	Upper	12.2

Manual Integrations
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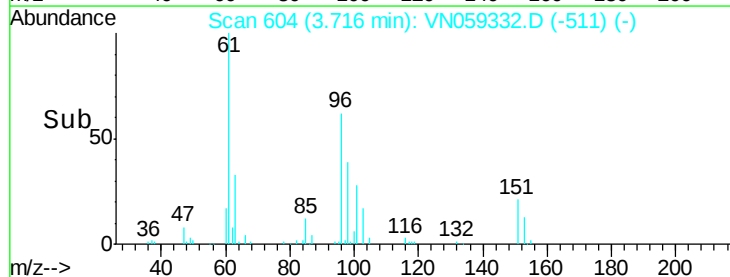
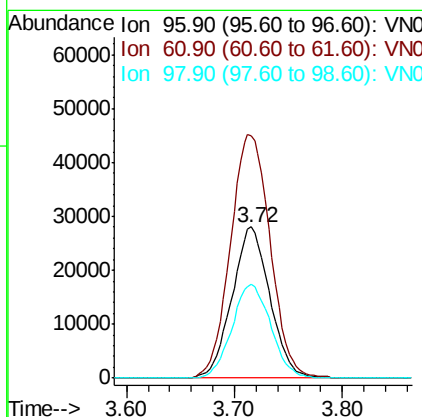
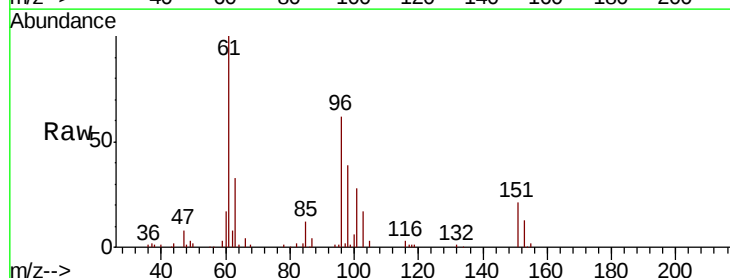
MMDadoda
11/22/2019 3:12:04 PM

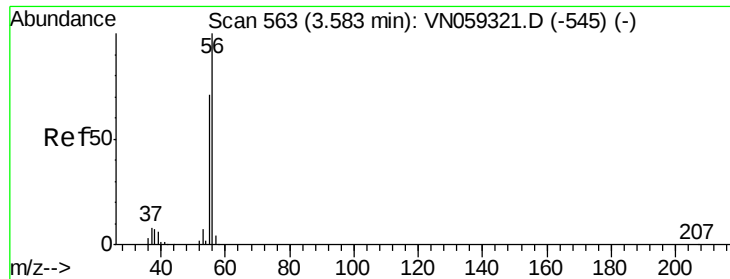


#12

1,1-Dichloroethene
Concen: 14.621 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	96	61	98	Ratio	100	160.7	61.9	Resp	68628	Lower	136.8	51.6	Upper	205.2	77.4
Ion	96	61	98	Ratio	100	160.7	61.9	Resp	68628	Lower	136.8	51.6	Upper	205.2	77.4





#13

Acrolein

Concen: 87.625 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS01

Tot Ion: 56 Resp: 83565

Ion Ratio Lower Upper

56 100

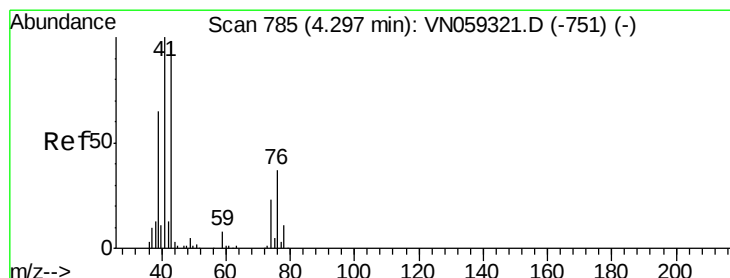
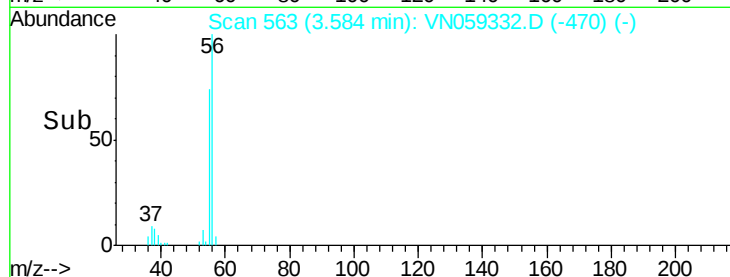
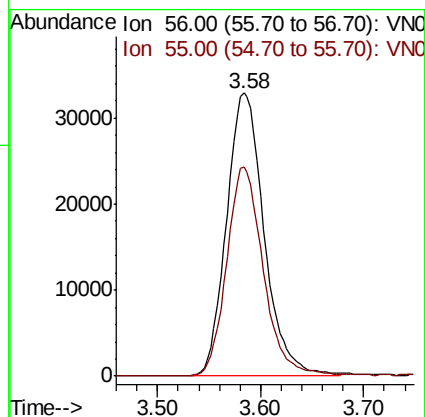
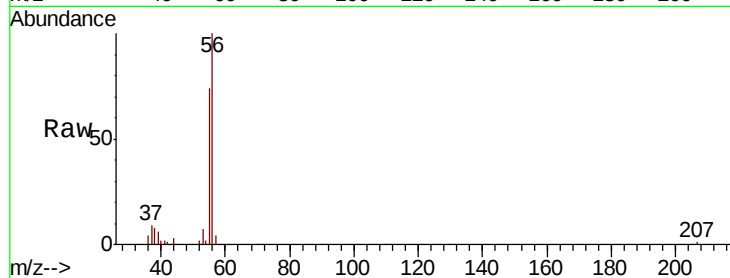
55 72.1 57.4 86.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 14.887 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

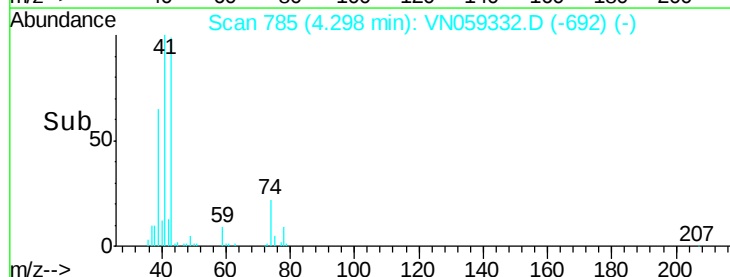
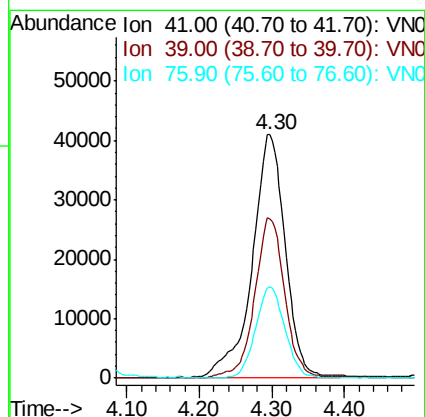
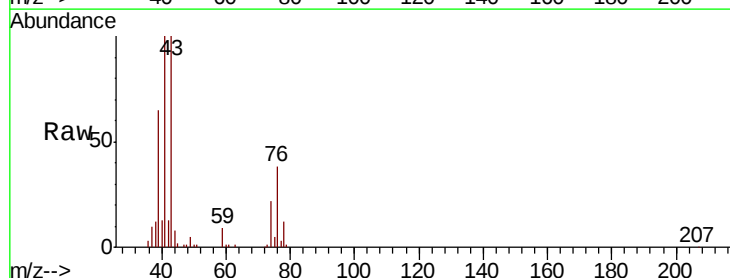
Tgt Ion: 41 Resp: 130536

Ion Ratio Lower Upper

41 100

39 60.1 48.4 72.6

76 33.1 26.2 39.4





#15

Acrylonitrile

Concen: 72.936 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

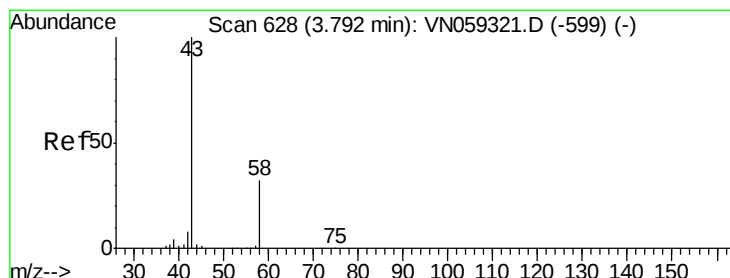
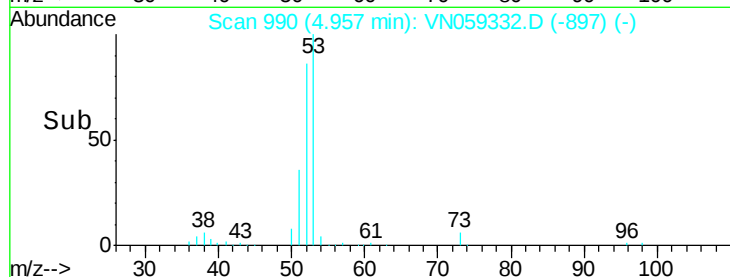
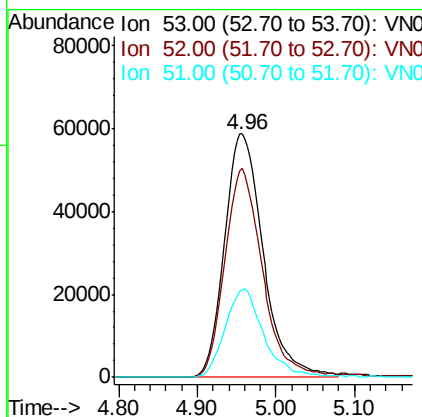
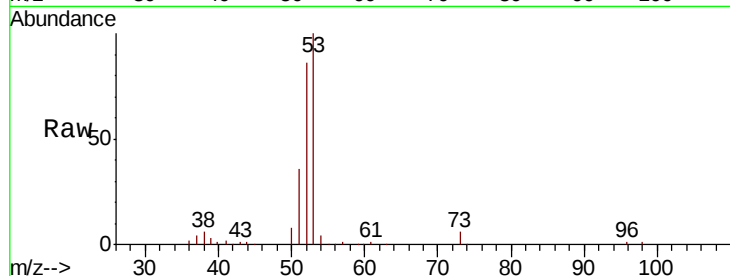
ClientSampleId :

VN1121MBS01

Tot Ion:	53	Resp:	201468
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.8	98.8
51	36.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 70.511 ug/l

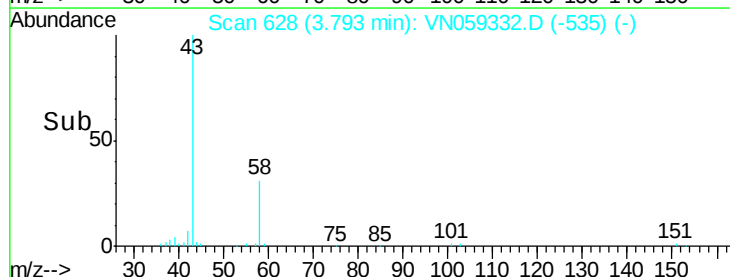
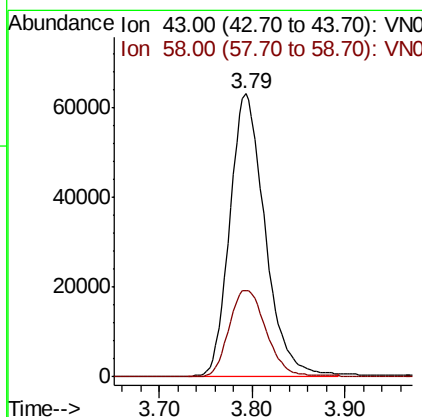
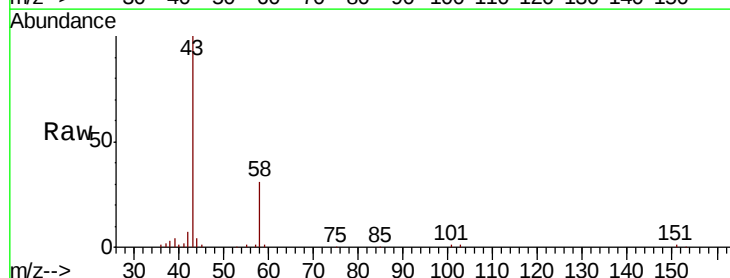
RT: 3.79 min Scan# 628

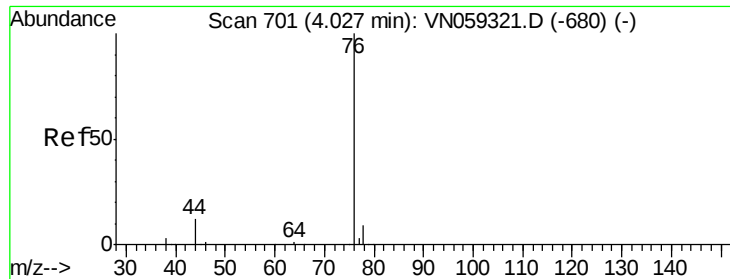
Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Tgt Ion:	43	Resp:	164973
Ion	Ratio	Lower	Upper
43	100		
58	30.7	25.8	38.6





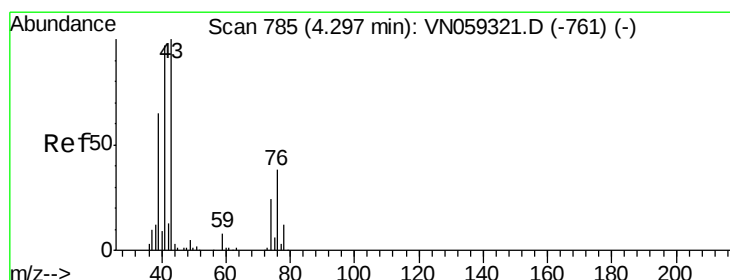
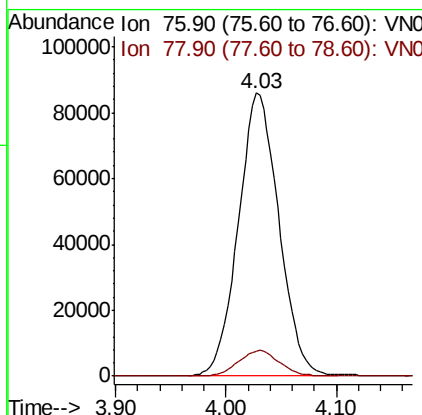
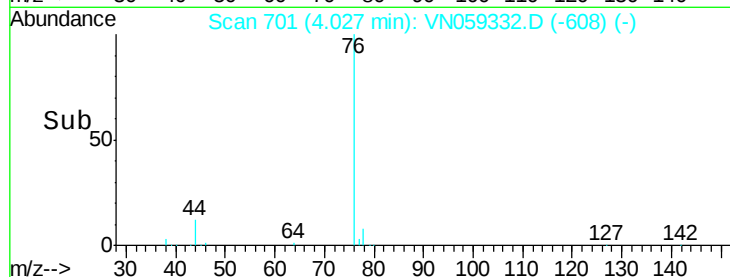
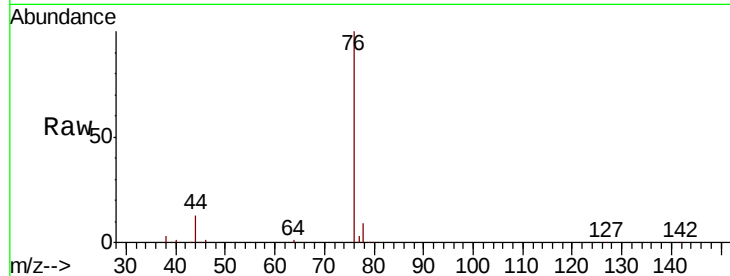
#17
Carbon Disulfide
Concen: 14.959 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

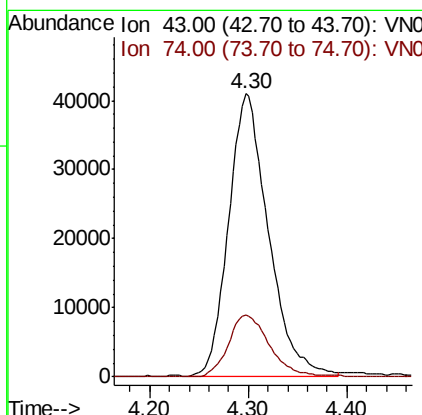
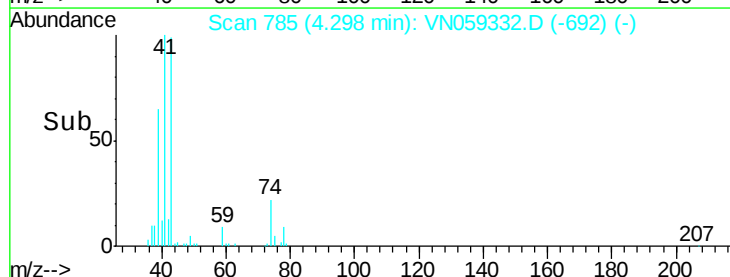
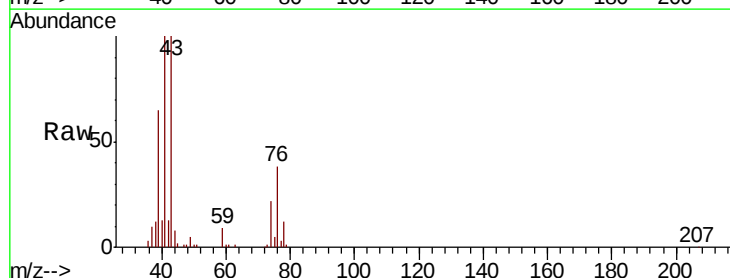
Manual Integrations
APPROVED

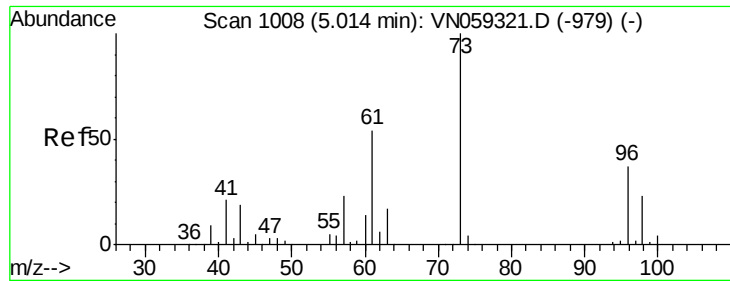
MMDadoda
11/22/2019 3:12:04 PM



#18
Methyl Acetate
Concen: 14.905 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	18.1	27.1





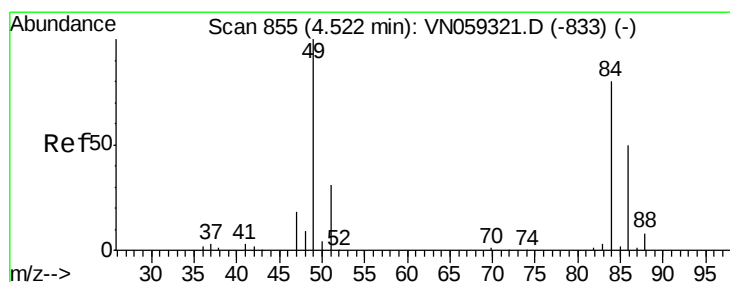
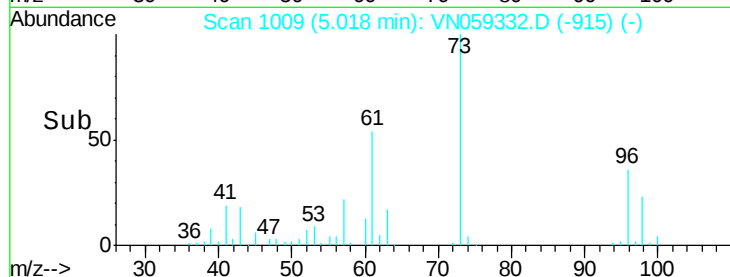
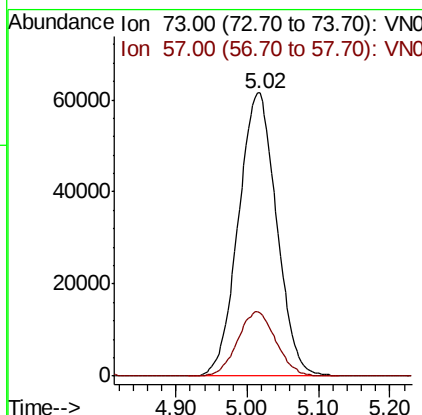
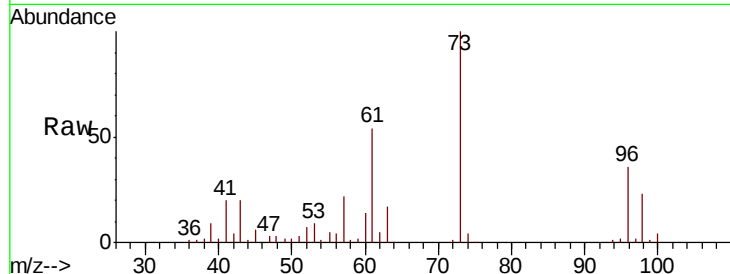
#19
Methvl tert-butvl Ether
Concen: 15.085 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion: 73 Resp: 228694
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6

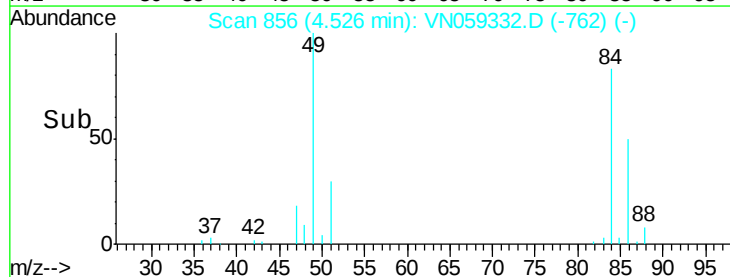
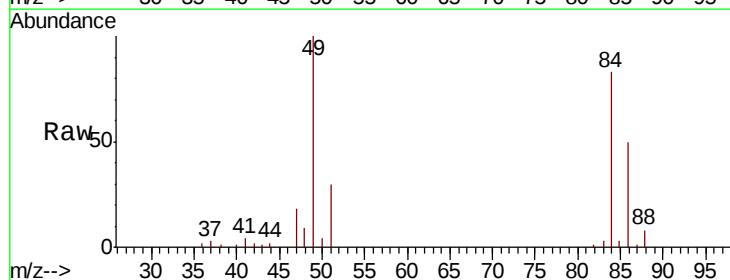
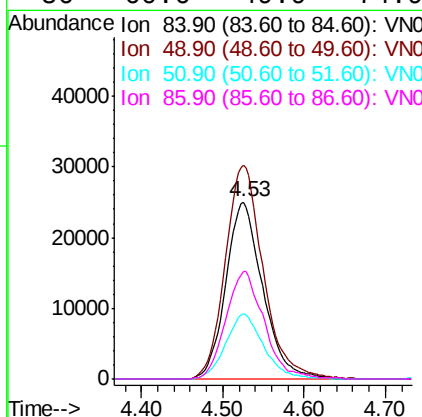
Manual Integrations
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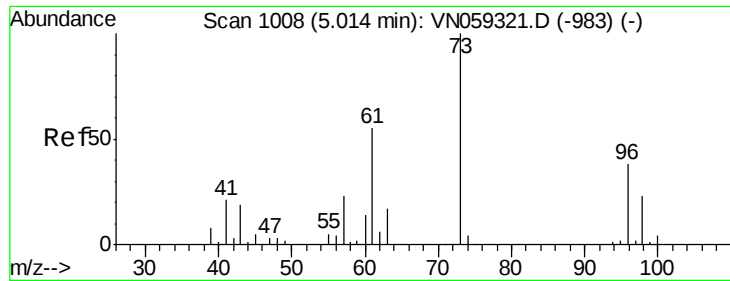
MMDadoda
11/22/2019 3:12:04 PM



#20
Methylene Chloride
Concen: 15.045 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion: 84 Resp: 79391
Ion Ratio Lower Upper
84 100
49 120.8 99.5 149.3
51 36.8 31.1 46.7
86 60.6 49.9 74.9





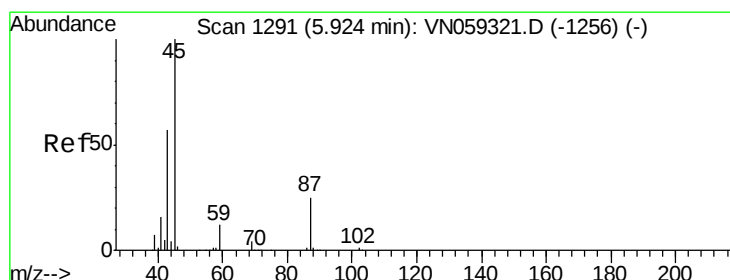
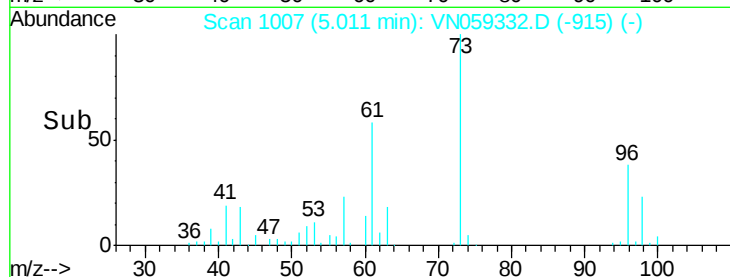
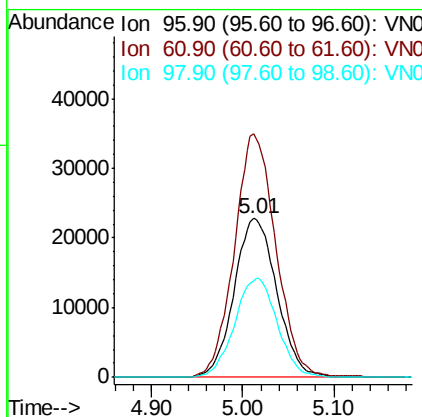
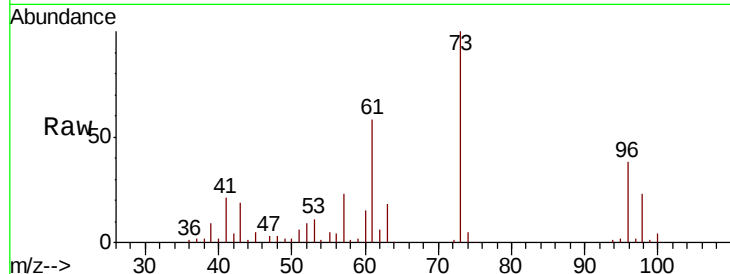
#21
trans-1,2-Dichloroethene
Concen: 14.886 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.2	116.4	174.6
98	60.9	49.6	74.4

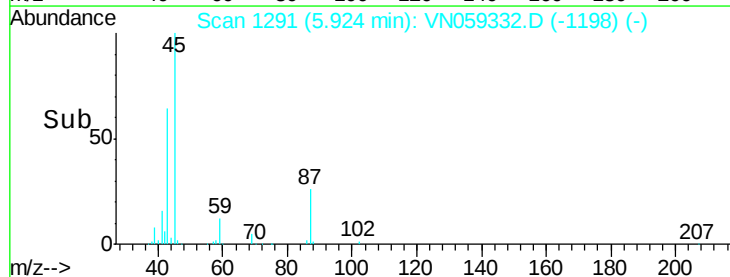
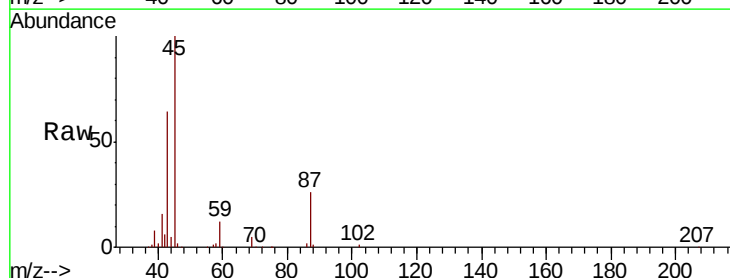
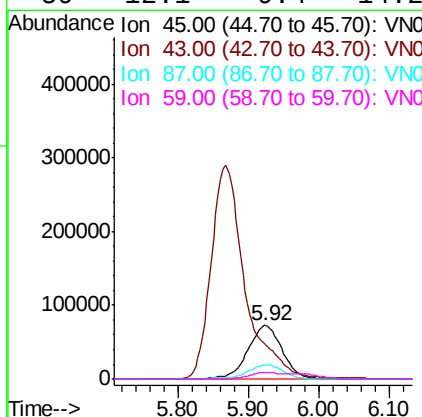
Manual Integrations
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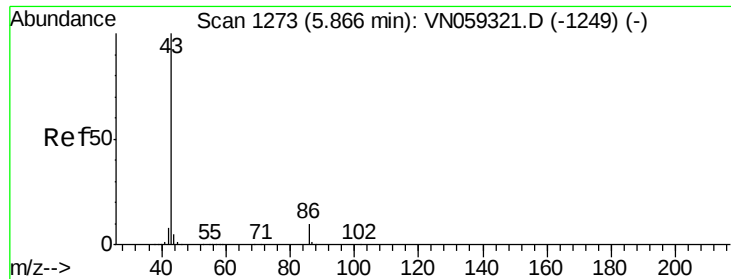
MMDadoda
11/22/2019 3:12:04 PM



#22
Diisopropyl ether
Concen: 14.822 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.8	47.6	71.4
87	25.8	20.7	31.1
59	12.1	9.4	14.2





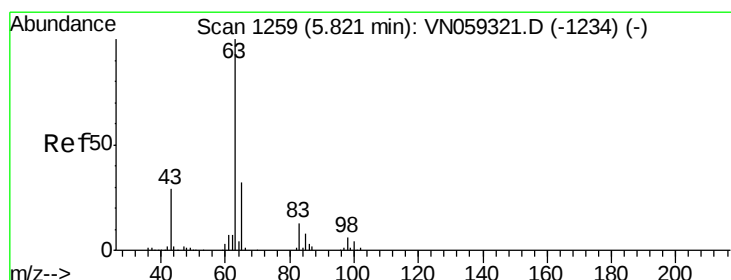
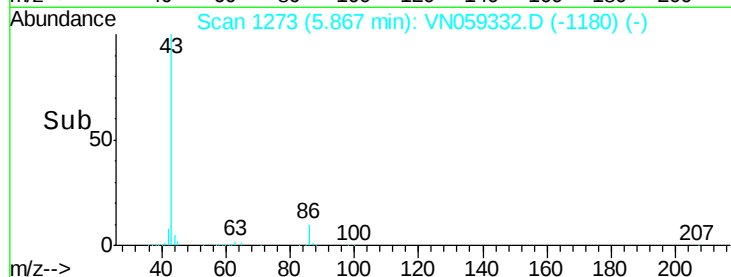
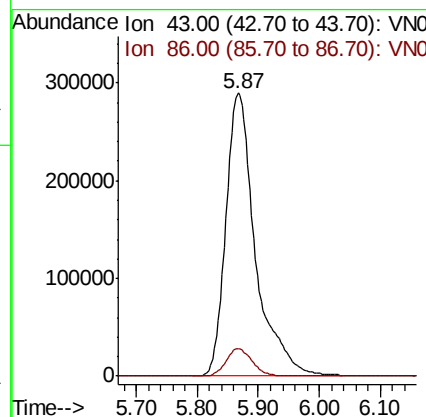
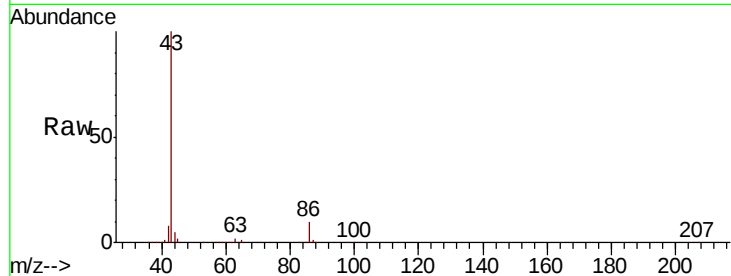
#23
 Vinyl Acetate
 Concen: 74.986 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS01

Tot Ion	43	Resp	973507
Ion Ratio	100	Lower	Upper
43	100		
86	9.8	8.0	12.0

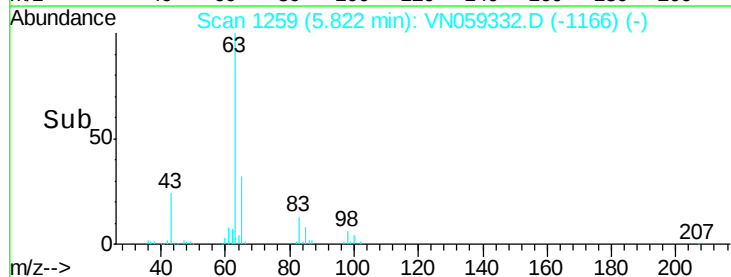
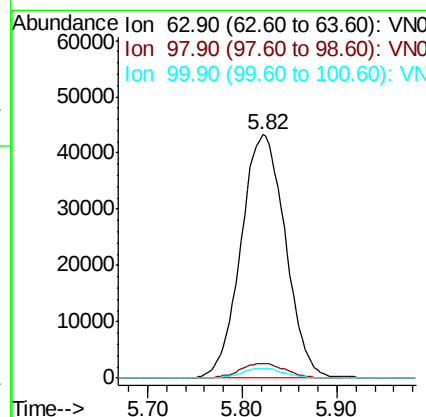
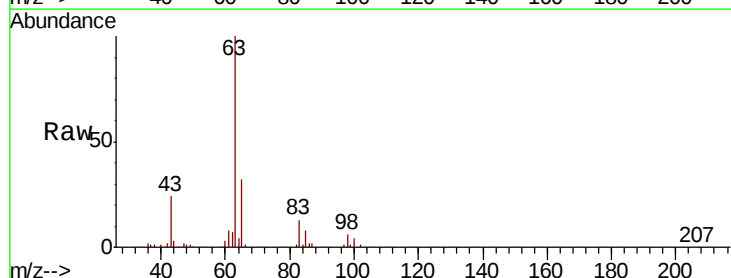
Manual Integrations
 APPROVED

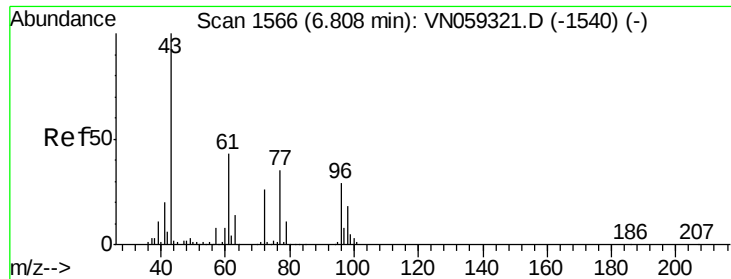
MMDadoda
 11/22/2019 3:12:04 PM



#24
 1,1-Dichloroethane
 Concen: 15.173 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Tgt Ion	63	Resp	140998
Ion Ratio	100	Lower	Upper
63	100		
98	6.1	2.9	8.8
100	3.9	1.9	5.7





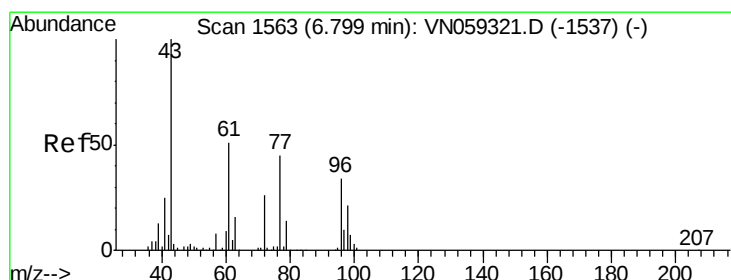
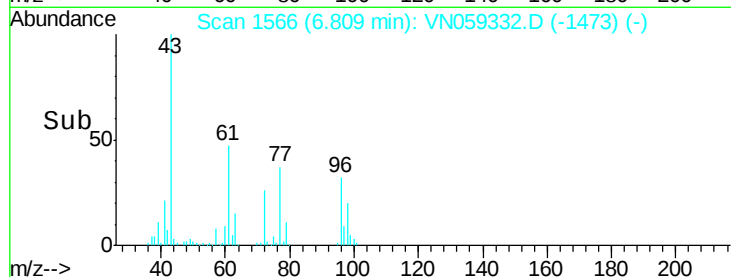
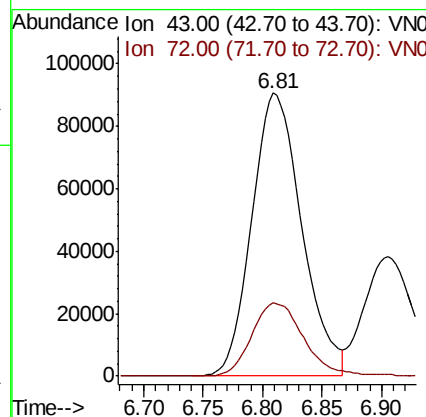
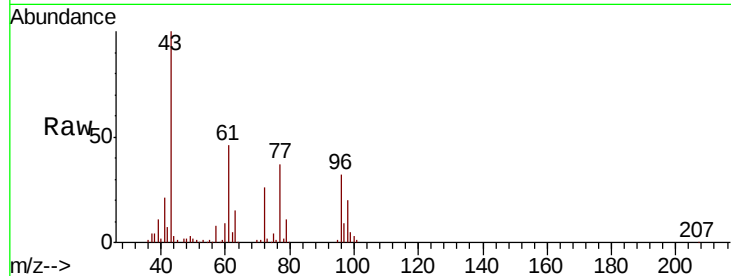
#25
2-Butanone
Concen: 72.171 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampled :
VN1121MBS01

Tot Ion: 43 Resp: 262571
Ion Ratio Lower Upper
43 100
72 25.9 20.5 30.7

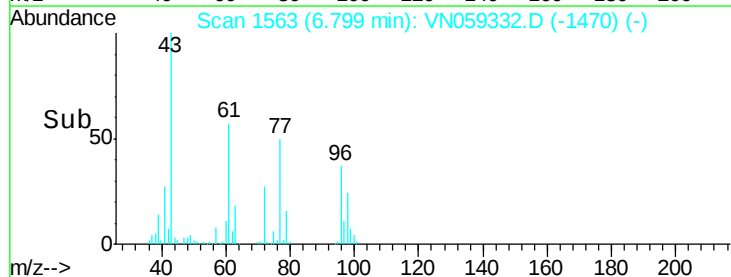
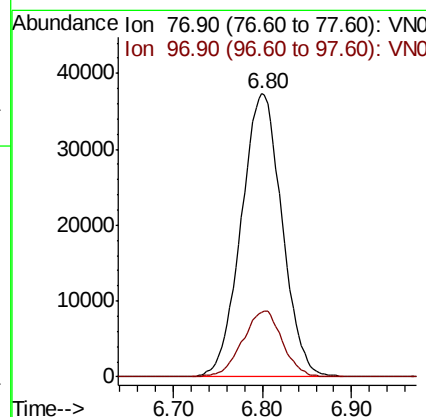
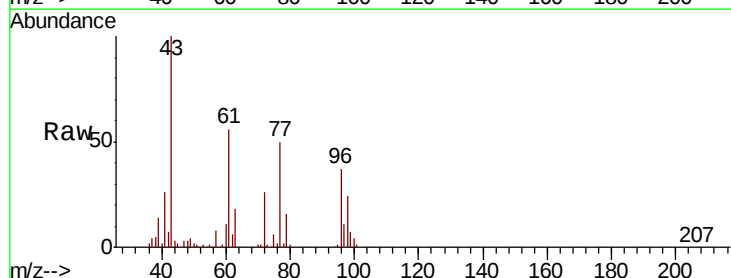
Manual Integrations
APPROVED

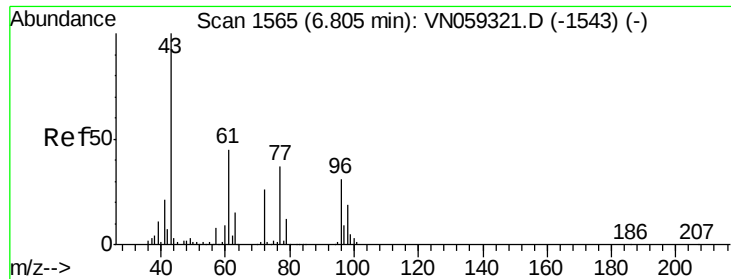
MMDadoda
11/22/2019 3:12:04 PM



#26
2,2-Dichloropropane
Concen: 14.709 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion: 77 Resp: 118356
Ion Ratio Lower Upper
77 100
97 22.6 11.5 34.4





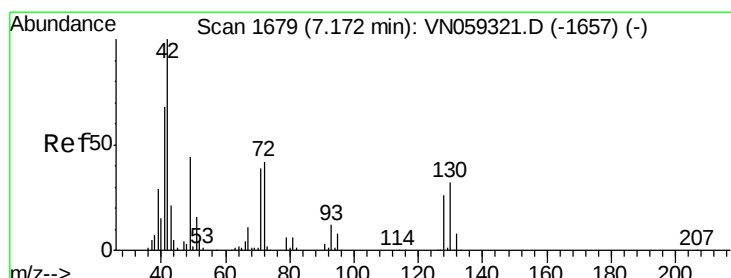
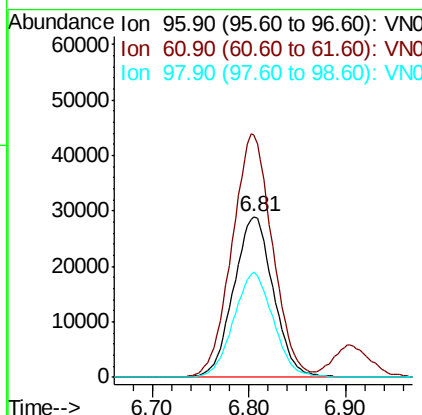
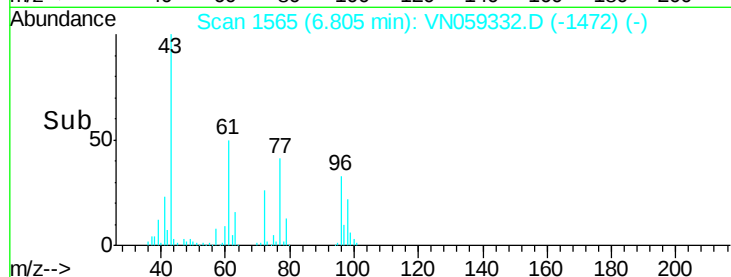
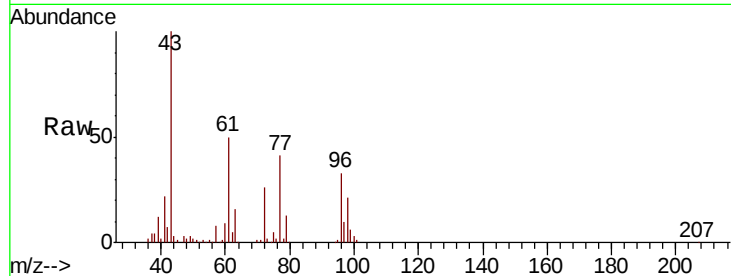
#27
 cis-1,2-Dichloroethene
 Concen: 14.697 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.6	0.0	304.0
98	65.3	0.0	128.4

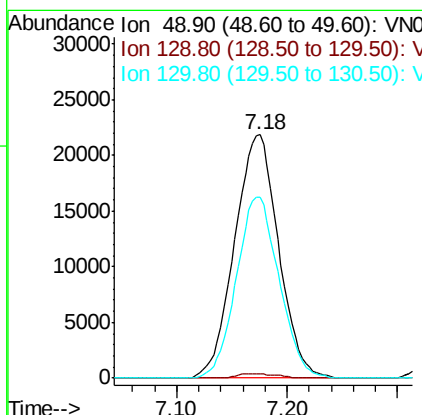
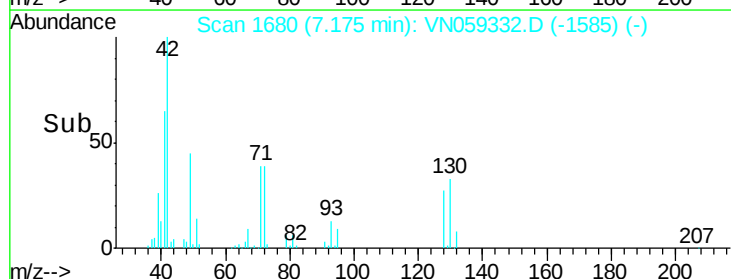
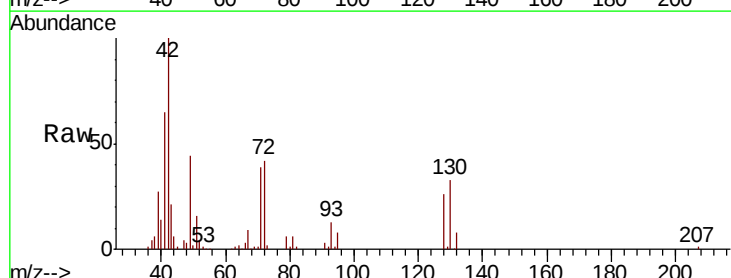
Manual Integrations
 APPROVED

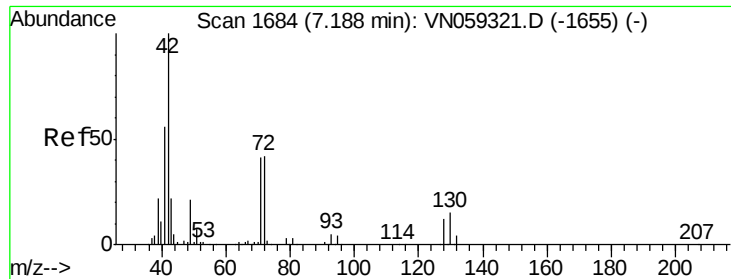
MMDadoda
 11/22/2019 3:12:04 PM



#28
 Bromochloromethane
 Concen: 17.530 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	72.4	57.0	85.6





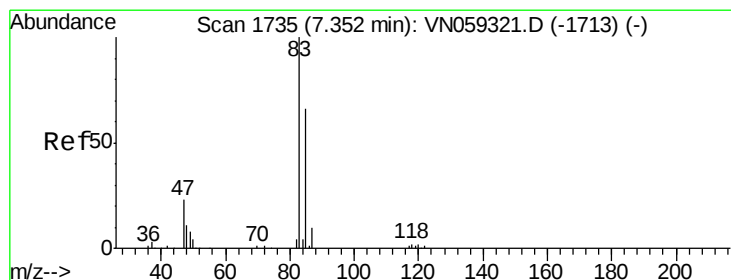
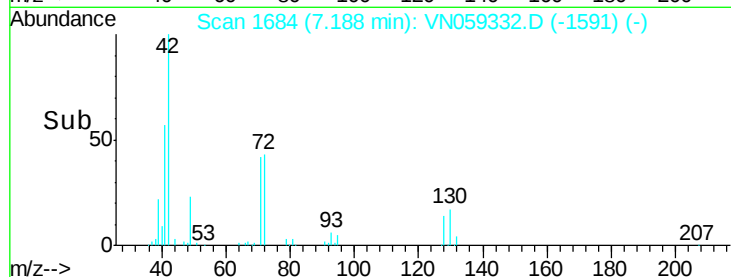
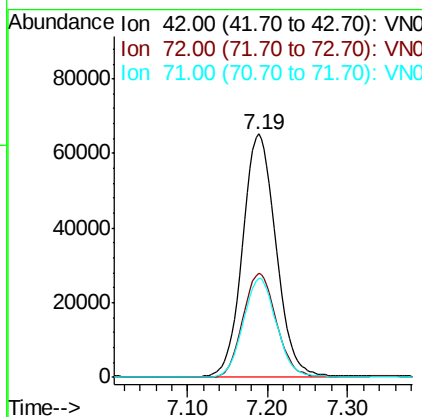
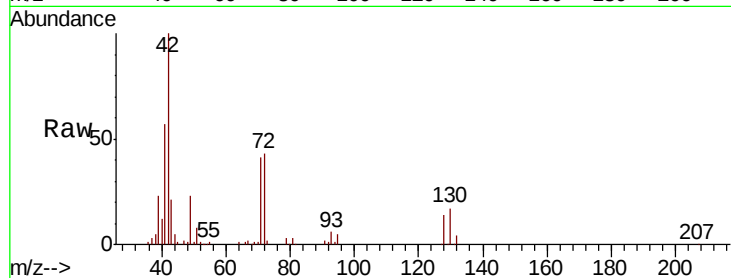
#29
Tetrahydrofuran
Concen: 73.845 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.2	51.2
71	40.2	32.6	48.8

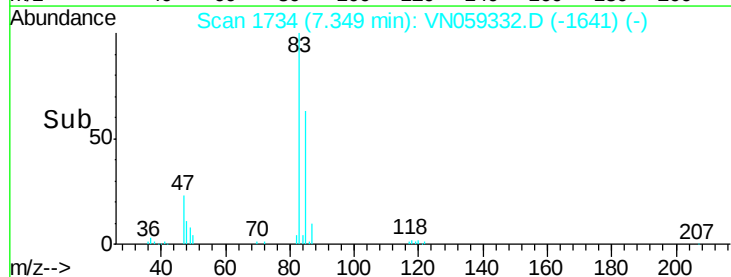
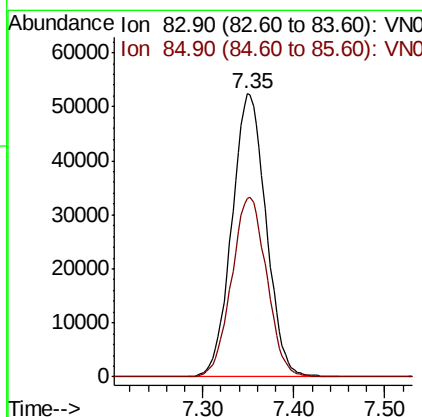
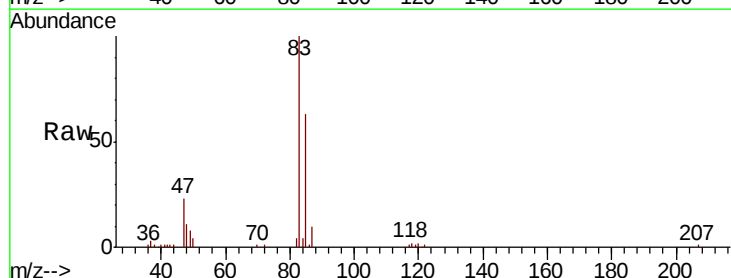
Manual Integrations
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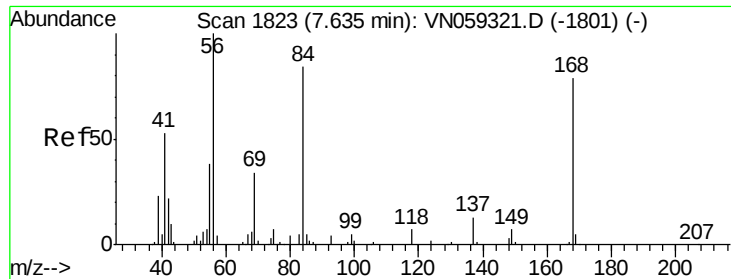
MMDadoda
11/22/2019 3:12:04 PM



#30
Chloroform
Concen: 15.082 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.7	79.1





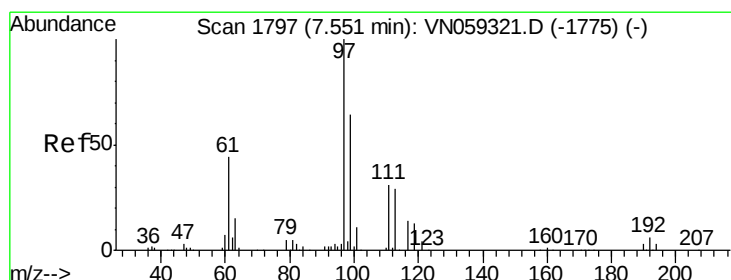
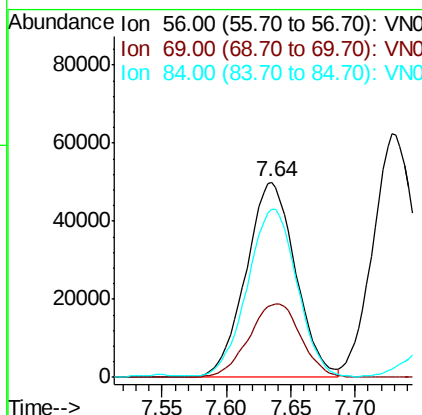
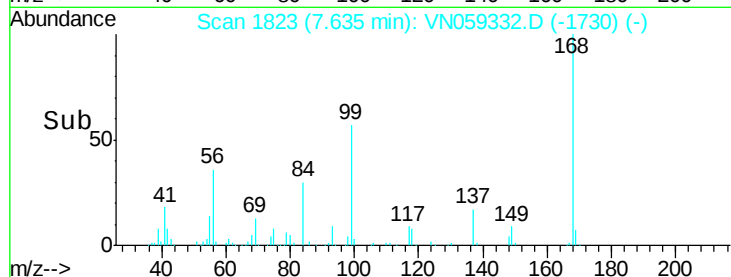
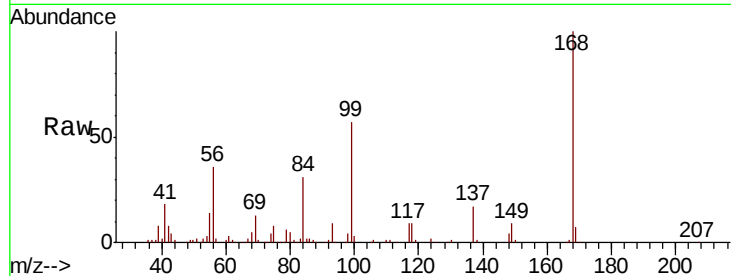
#31
Cyclohexane
Concen: 14.575 ug/l
RT: 7.64 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	26.6	40.0
84	85.1	67.0	100.4

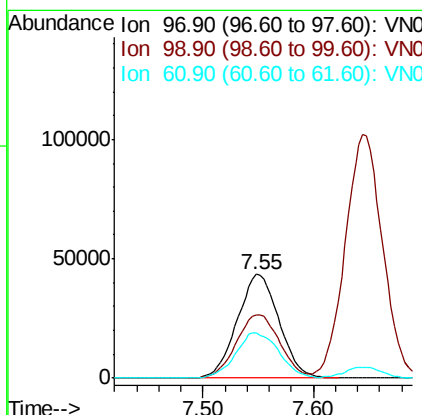
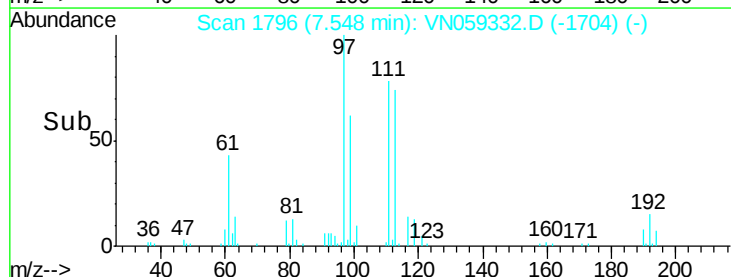
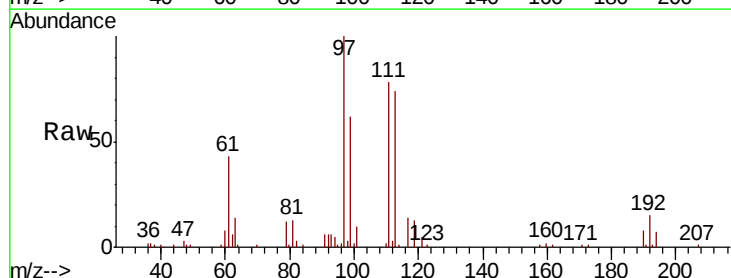
Manual Integrations
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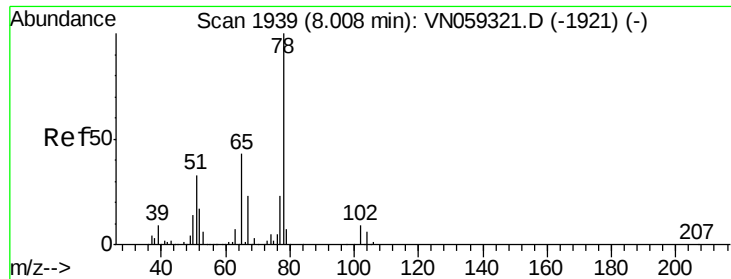
MMDadoda
11/22/2019 3:12:04 PM



#32
1,1,1-Trichloroethane
Concen: 14.734 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.3	76.9
61	44.9	35.3	52.9





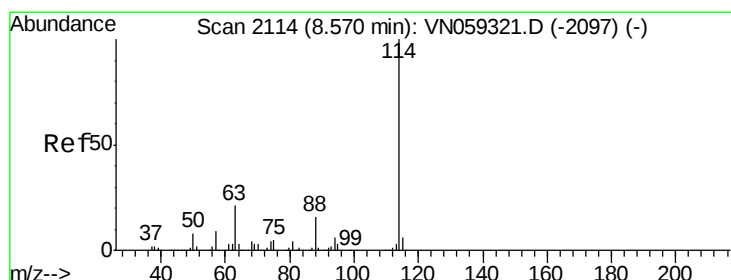
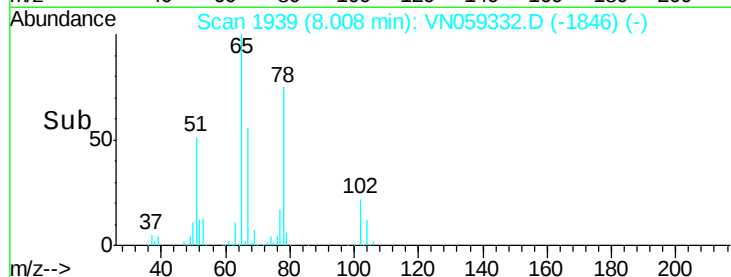
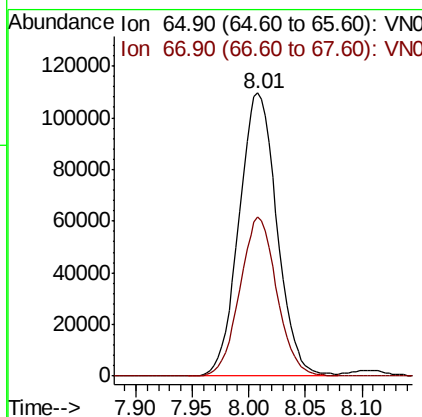
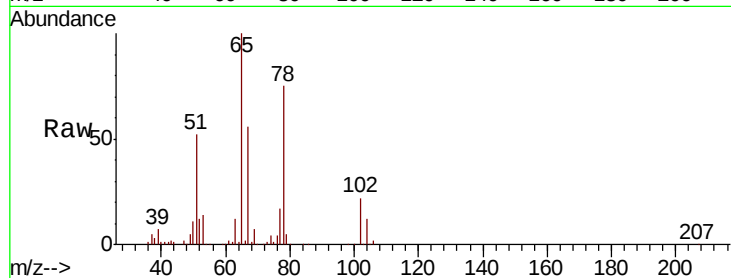
#33
 1,2-Dichloroethane-d4
 Concen: 49.038 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	255882		
67	54.7	0.0	109.4	

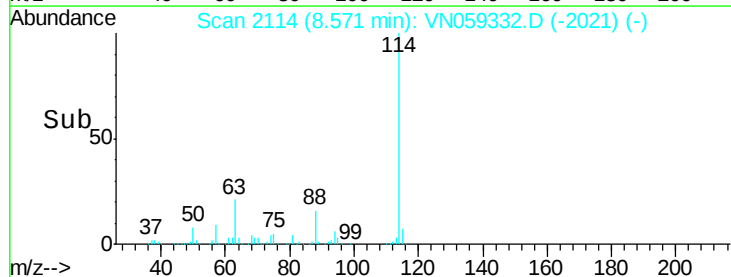
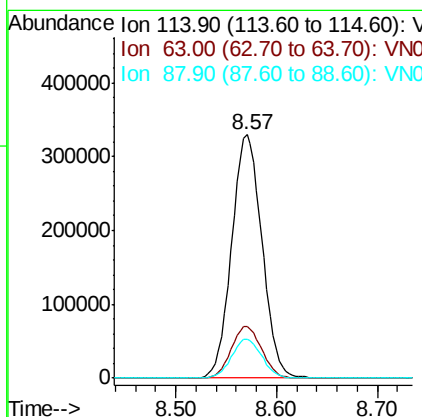
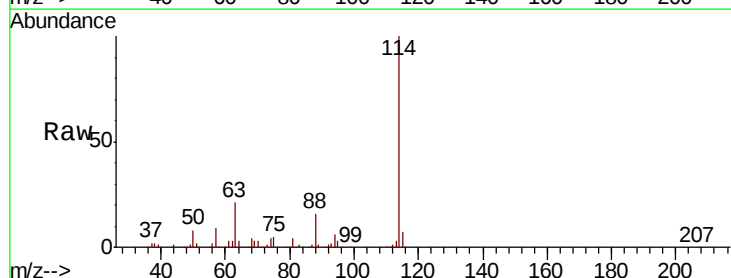
Manual Integrations
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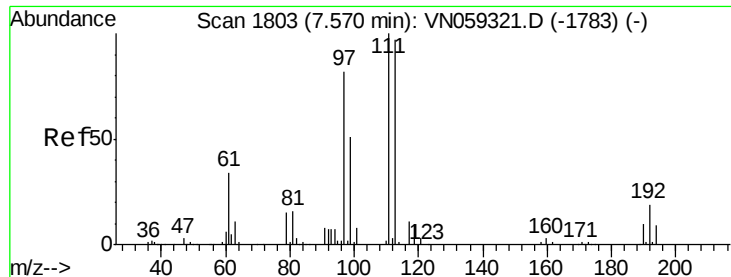
MMDadoda
 11/22/2019 3:12:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	689238		
63	21.2	0.0	42.2	
88	16.0	0.0	32.2	





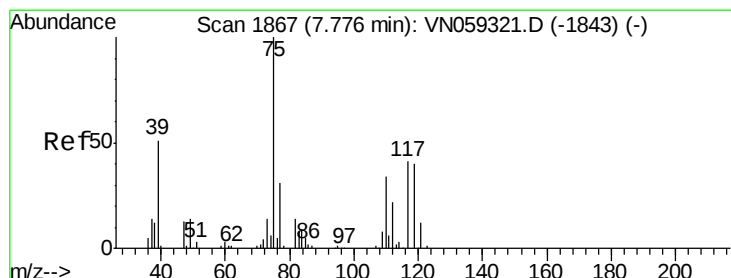
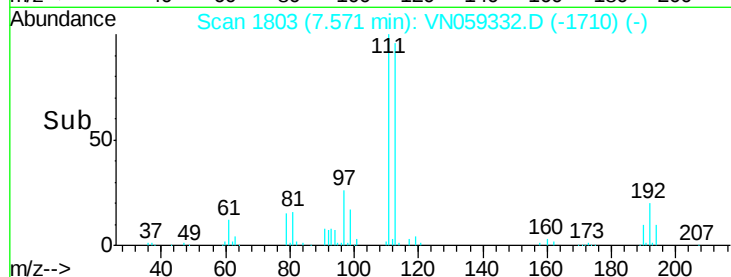
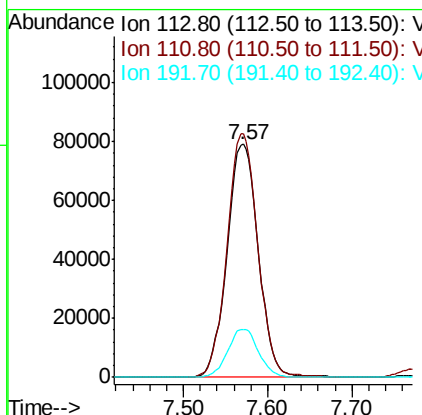
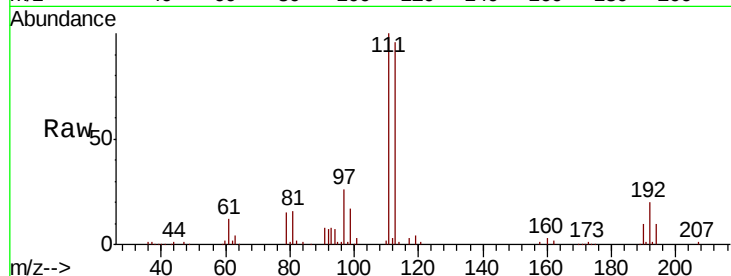
#35
Dibromofluoromethane
Concen: 49.410 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	20.3	16.3	24.5

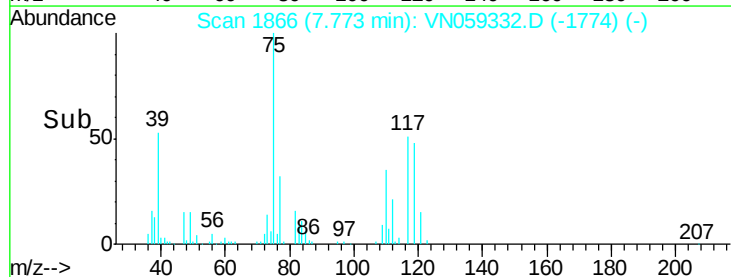
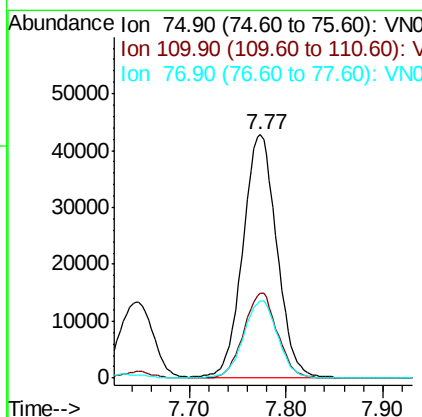
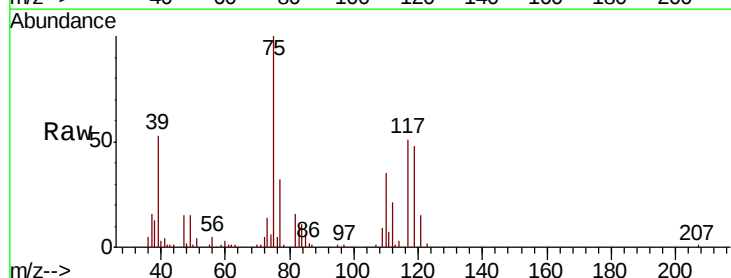
Manual Integrations
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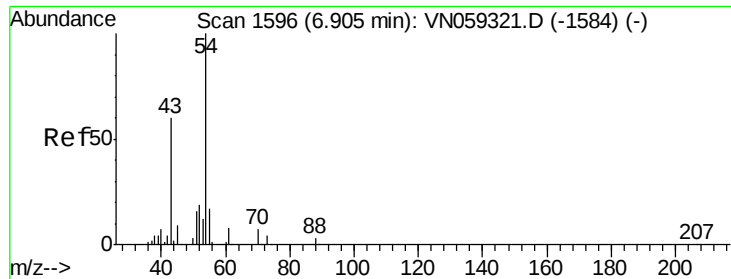
MMDadoda
11/22/2019 3:12:04 PM



#36
1,1-Dichloropropene
Concen: 14.717 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.0	51.0
77	31.9	24.8	37.2





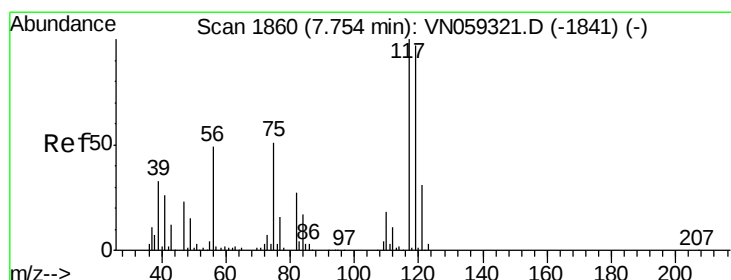
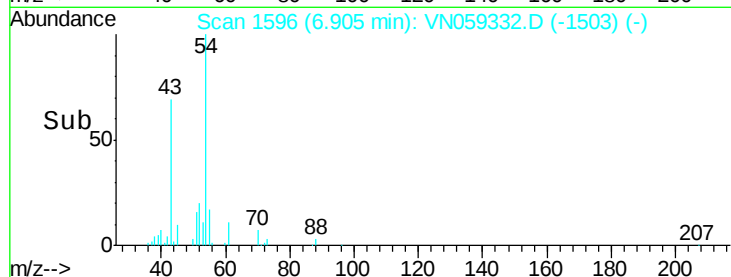
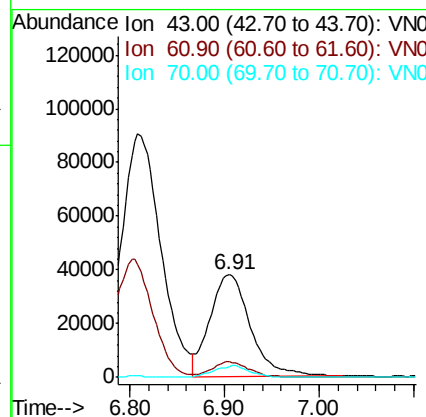
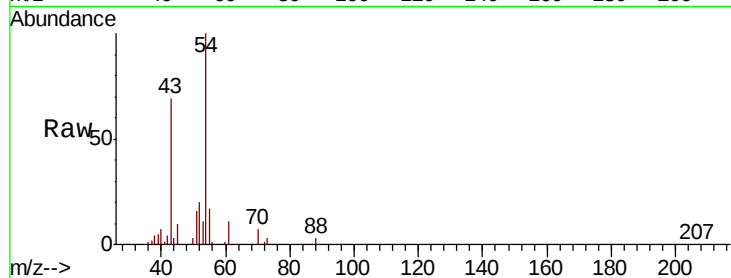
#37
Ethyl Acetate
Concen: 14.620 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.6
70	10.3	8.8	13.2

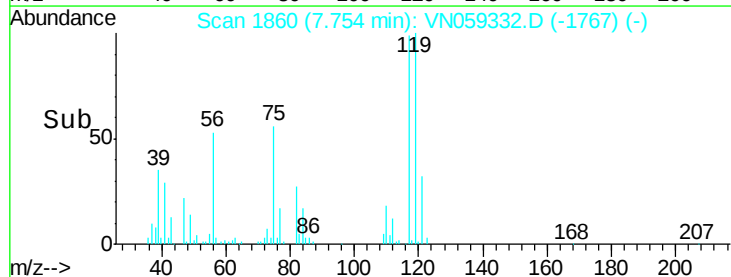
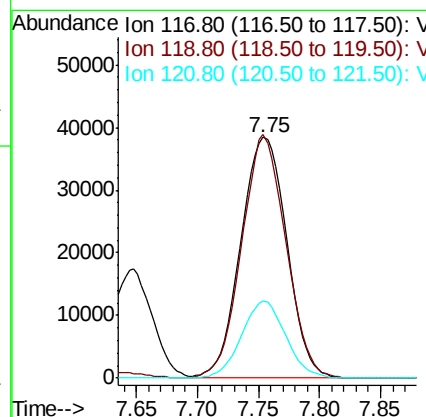
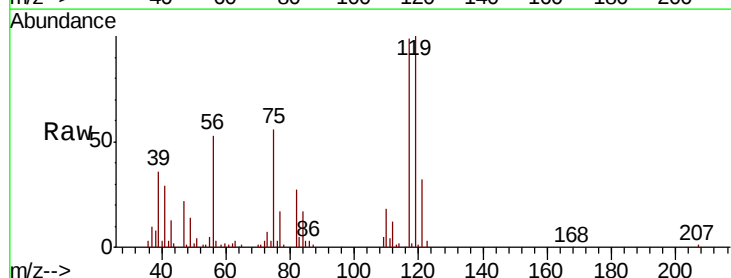
Manual Integrations
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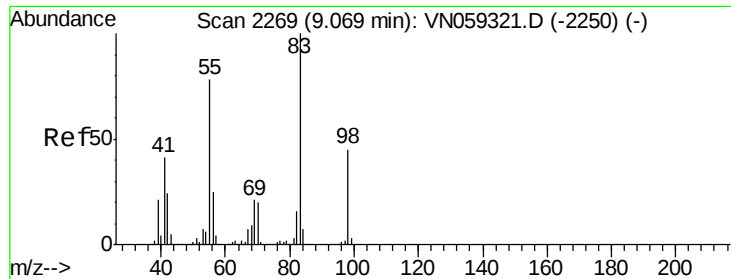
MMDadoda
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#38
Carbon Tetrachloride
Concen: 14.779 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.2	77.0	115.4
121	32.0	24.4	36.6





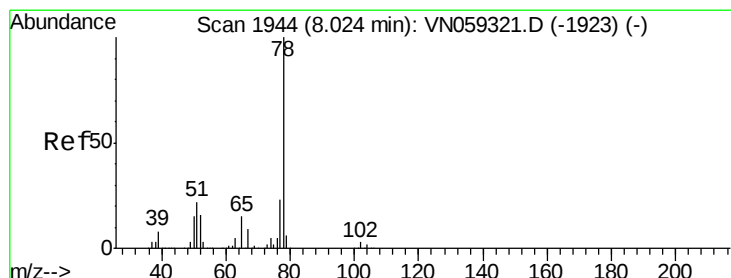
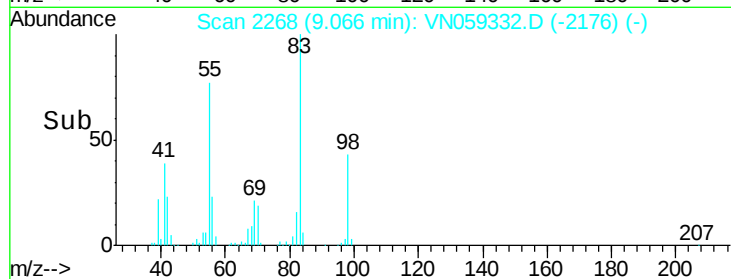
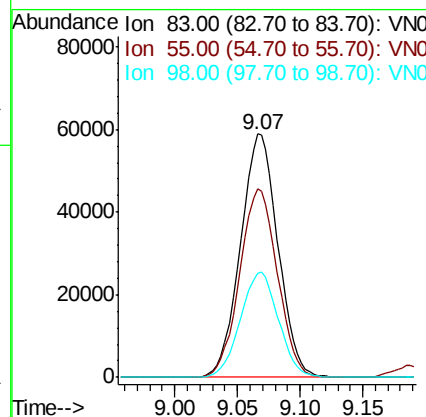
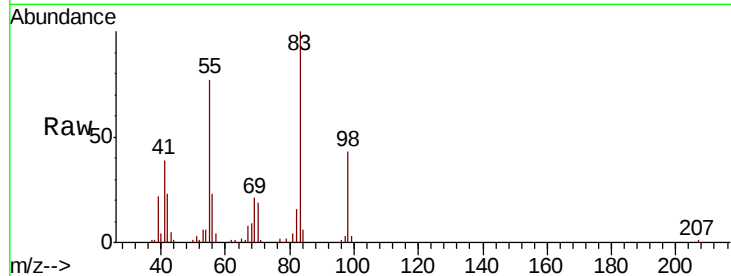
#39
Methvlcvclohexane
Concen: 14.246 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	62.3	93.5
98	42.8	36.0	54.0

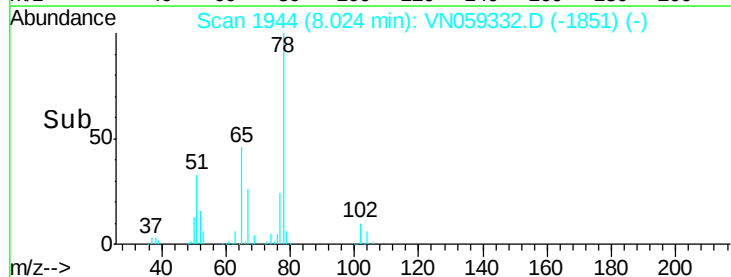
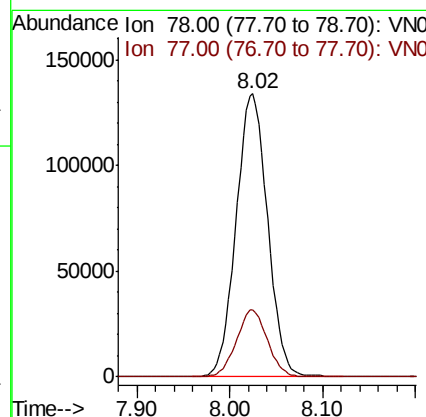
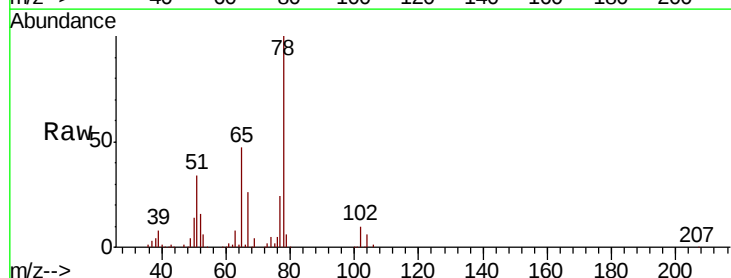
Manual Integrations
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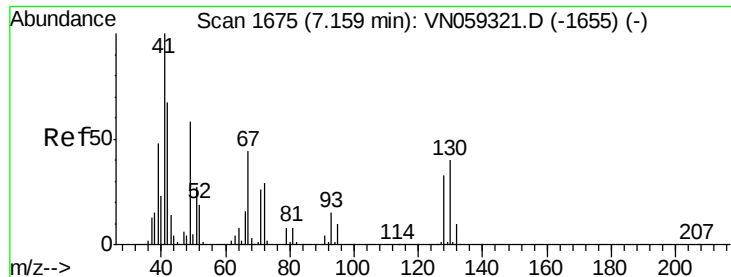
MMDadoda
11/22/2019 3:12:04 PM



#40
Benzene
Concen: 15.102 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.4	27.6





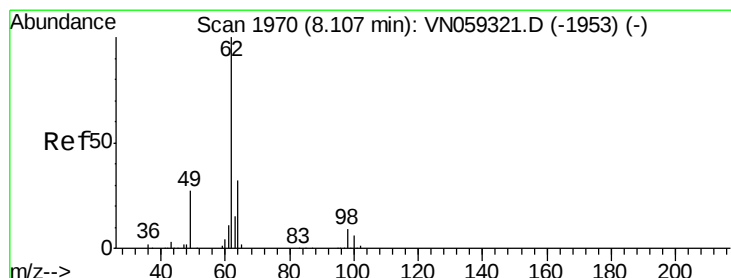
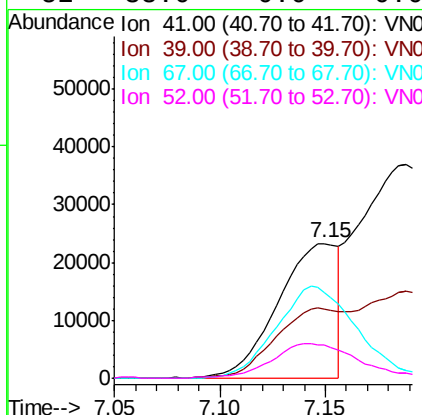
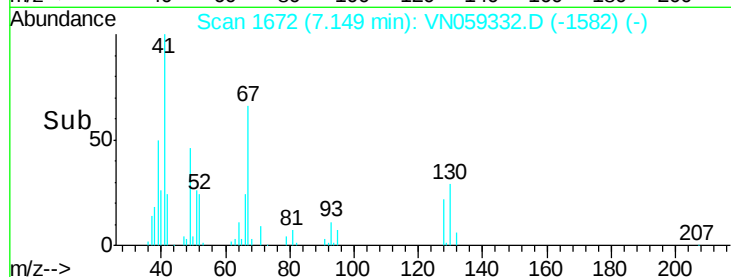
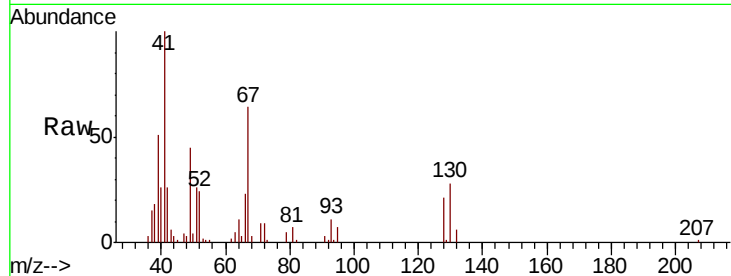
#41
Methacrylonitrile
Concen: 13.579 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.3	0.0	0.0#
67	93.5	0.0	0.0#
52	38.0	0.0	0.0#

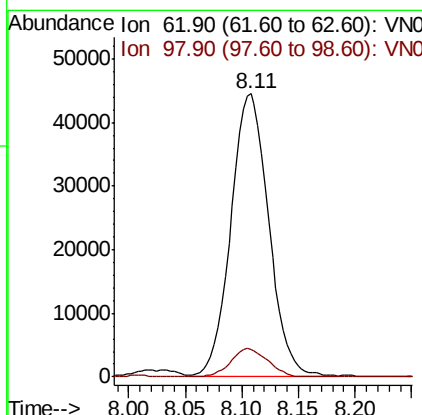
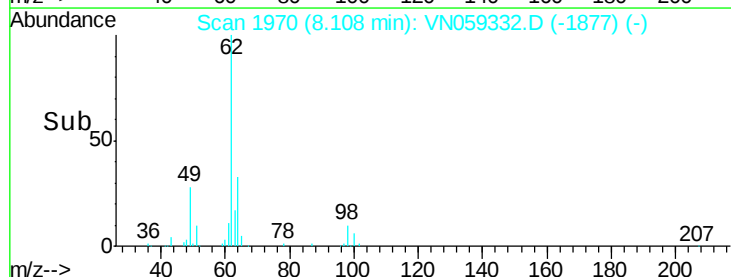
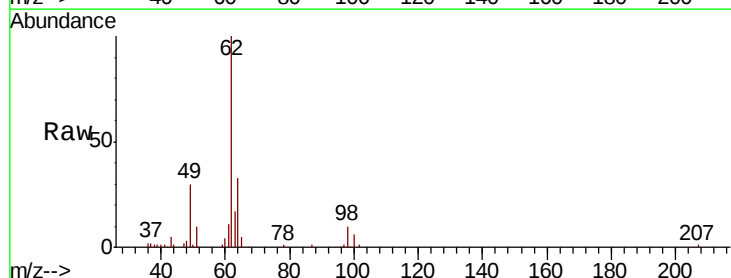
Manual Integrations
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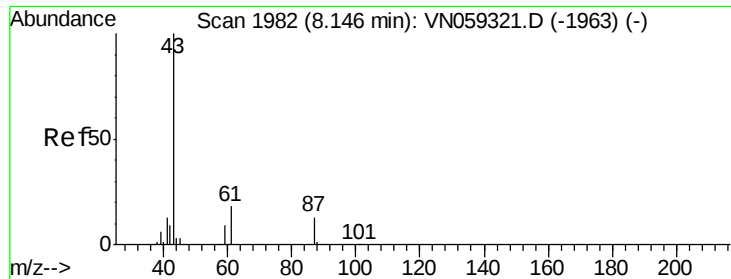
MMDadoda
11/22/2019 3:12:04 PM



#42
1,2-Dichloroethane
Concen: 14.860 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.6





#43

Isopropyl Acetate

Concen: 14.418 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

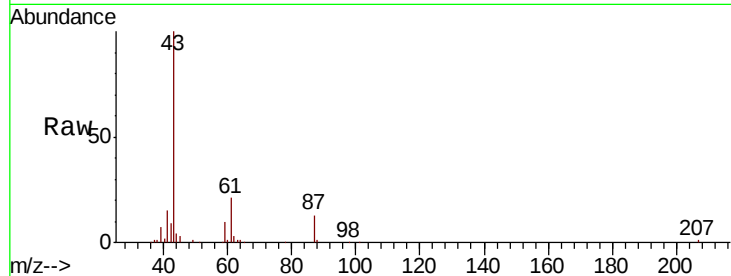
ClientSampleId :

VN1121MBS01

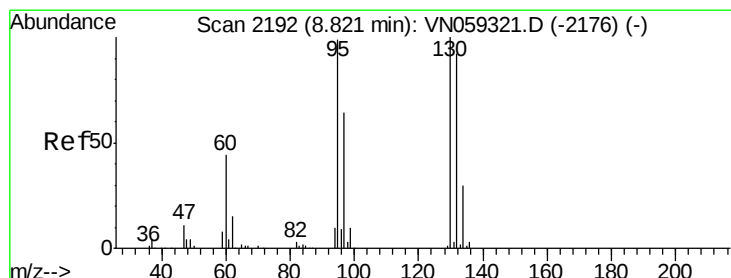
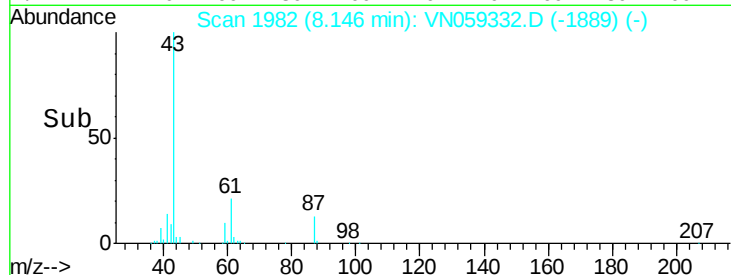
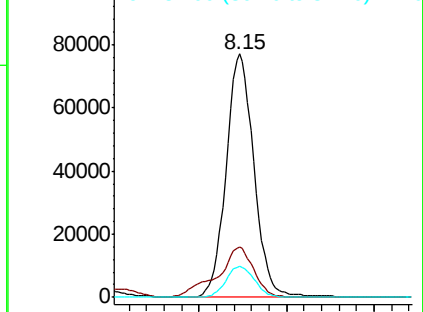
Tot Ion:	43	Resp:	168495
Ion	Ratio	Lower	Upper
43	100		
61	27.3	21.7	32.5
87	13.1	10.2	15.4

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Abundance Ion 43.00 (42.70 to 43.70): VN059332.D (-1889) (-)



#44

Trichloroethene

Concen: 14.773 ug/l

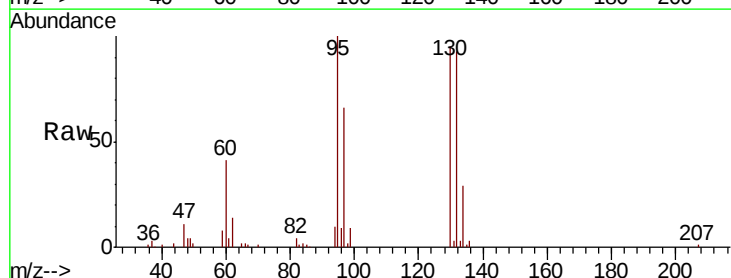
RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

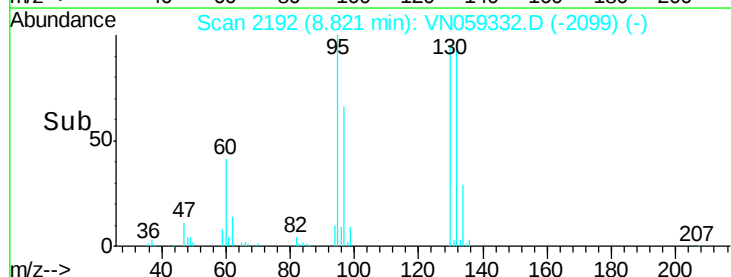
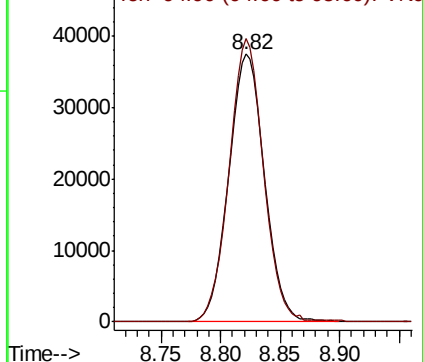
Lab File: VN059332.D

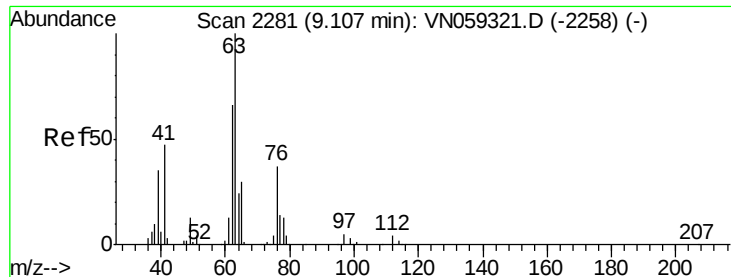
Acq: 21 Nov 2019 14:01

Tgt Ion:	130	Resp:	78191
Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	198.4



Abundance Ion 129.80 (129.50 to 130.50): VN059332.D (-2099) (-)





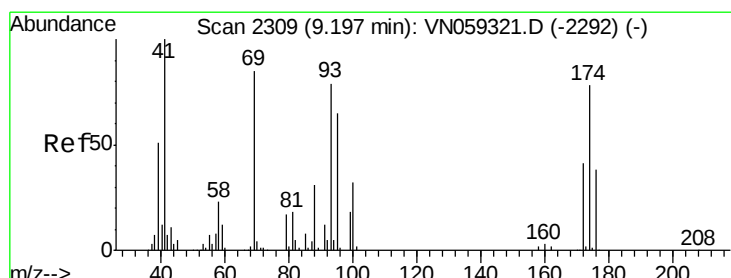
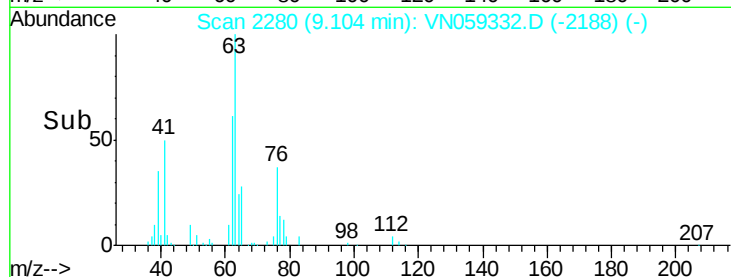
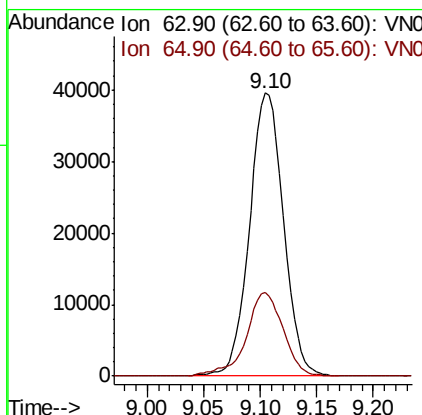
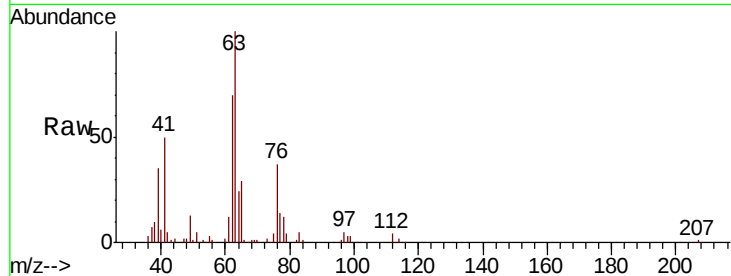
#45
 1,2-Dichloropropane
 Concen: 14.885 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS01

Tot Ion: 63 Resp: 82891
 Ion Ratio Lower Upper
 63 100
 65 29.4 23.9 35.9

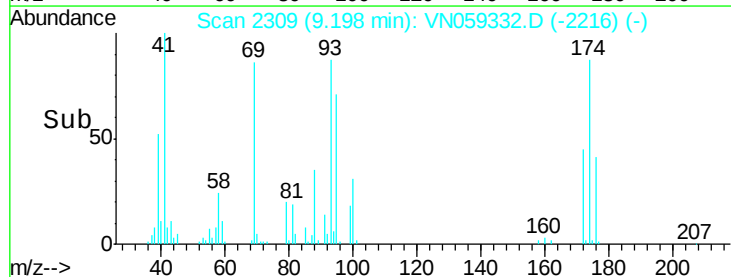
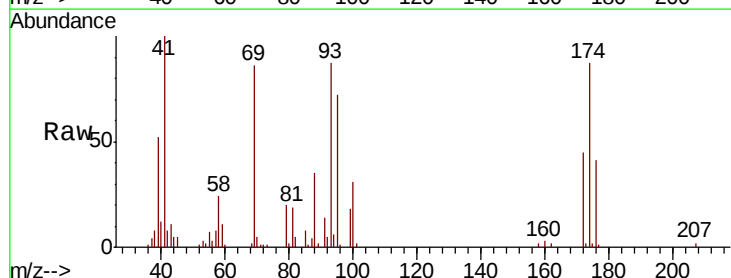
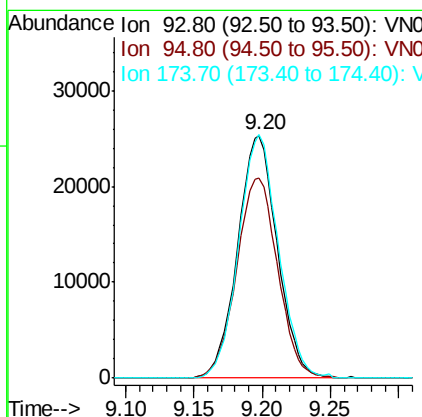
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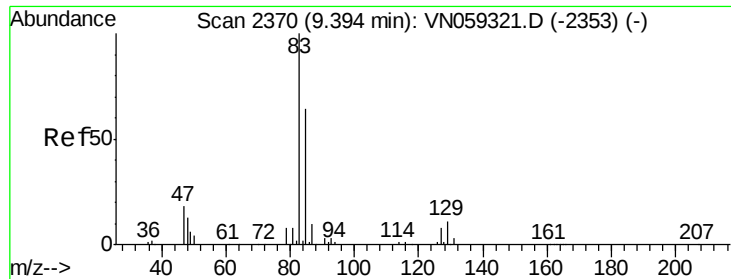
MMDadoda
 11/22/2019 3:12:04 PM



#46
 Dibromomethane
 Concen: 14.930 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Tgt Ion: 93 Resp: 50996
 Ion Ratio Lower Upper
 93 100
 95 85.4 66.9 100.3
 174 100.8 80.6 120.8





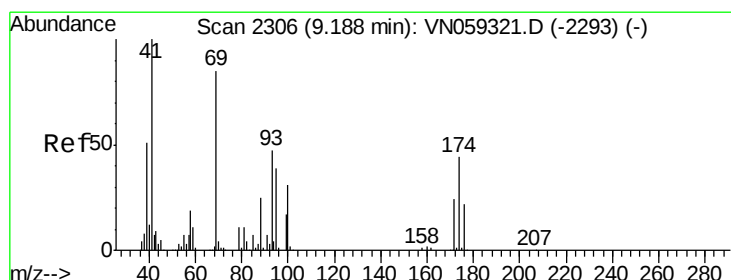
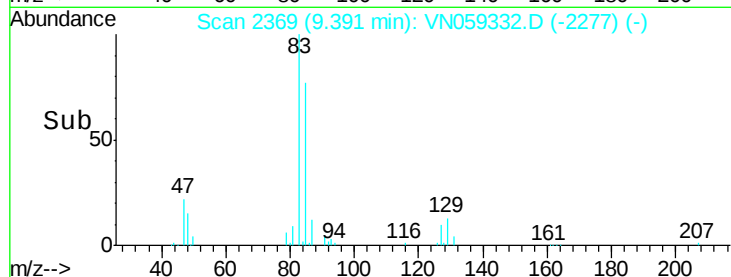
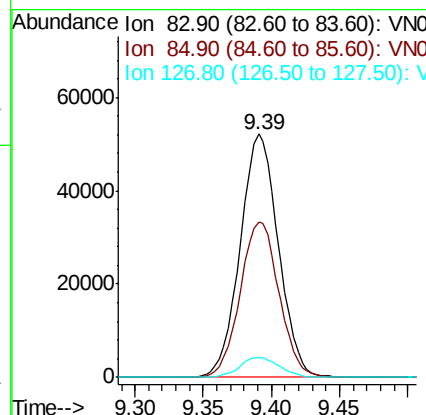
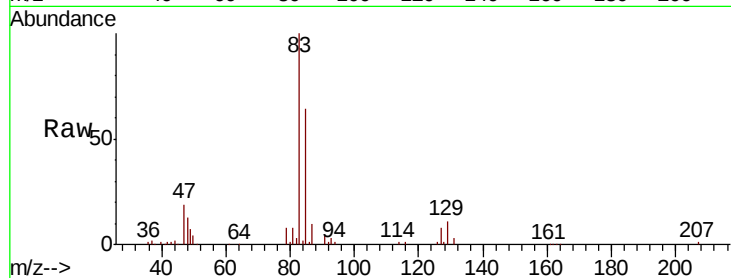
#47
Bromodichloromethane
Concen: 14.816 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3
127	7.9	6.6	10.0

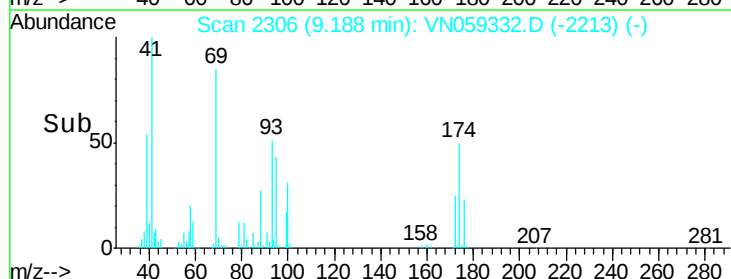
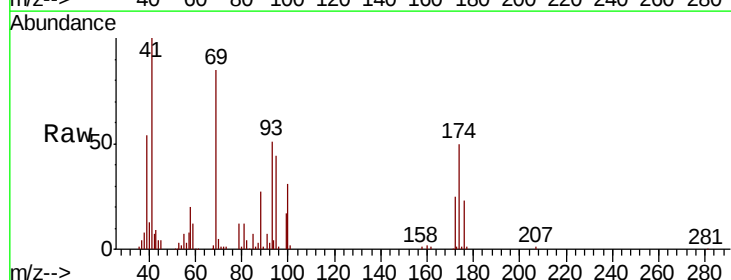
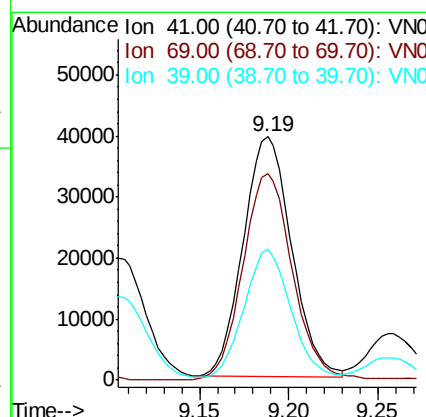
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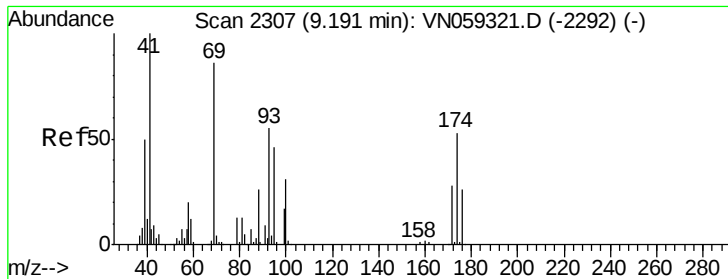
MMDadoda
11/22/2019 3:12:04 PM



#48
Methyl methacrylate
Concen: 14.062 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.4	68.8	103.2
39	53.0	42.1	63.1





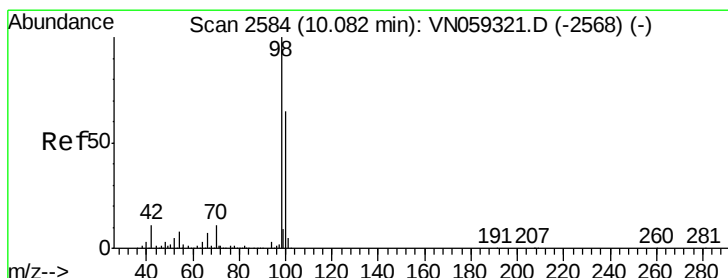
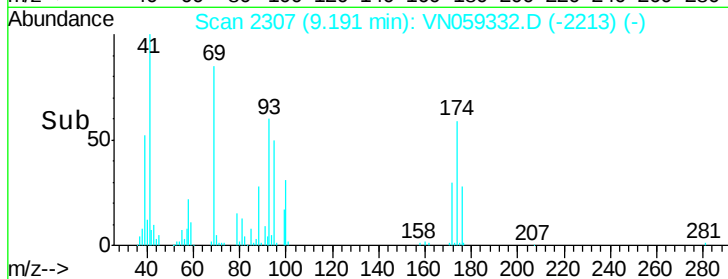
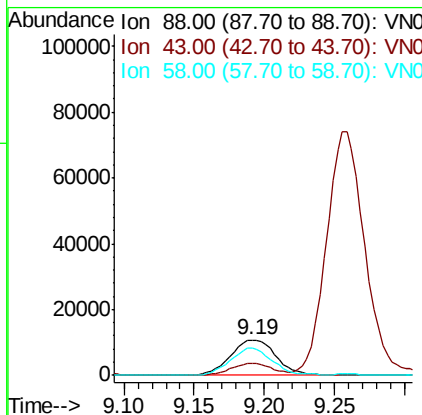
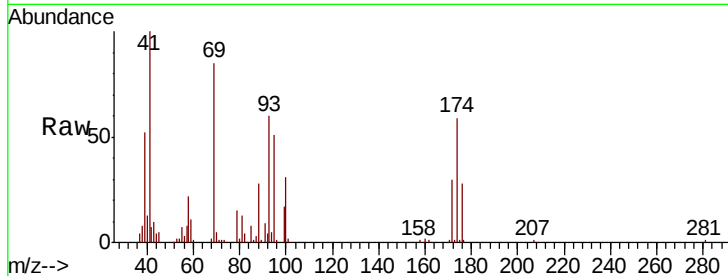
#49
1,4-Dioxane
Concen: 303.079 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	88	Resp	24208
Ion Ratio	Lower	Upper	
88	100		
43	31.1	26.9	40.3
58	71.9	59.2	88.8

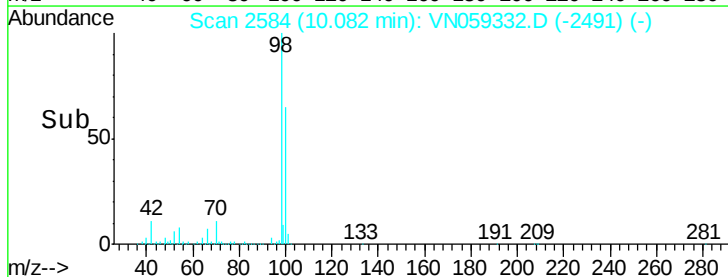
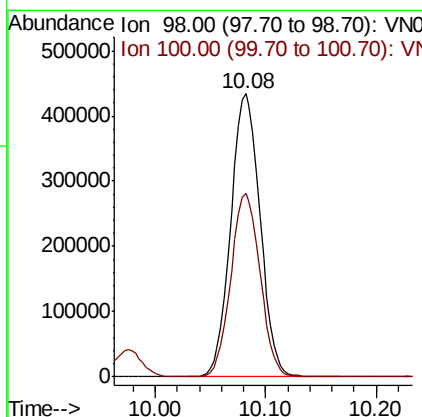
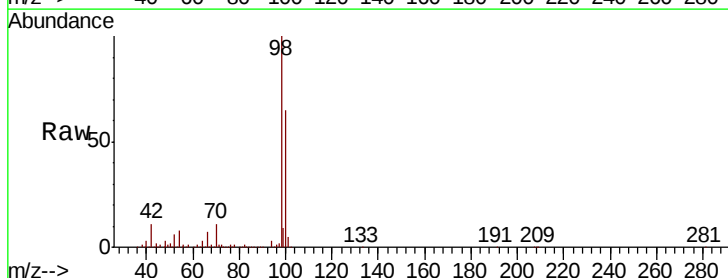
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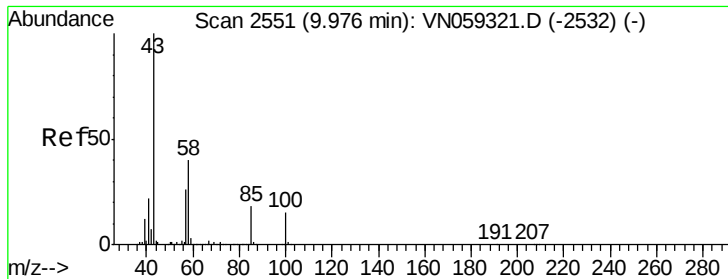
MMDadoda
11/22/2019 3:12:04 PM



#50
Toluene-d8
Concen: 48.735 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	98	Resp	801136
Ion Ratio	Lower	Upper	
98	100		
100	64.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 76.226 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS01

Tot Ion: 43 Resp: 521427

Ion Ratio Lower Upper

43 100

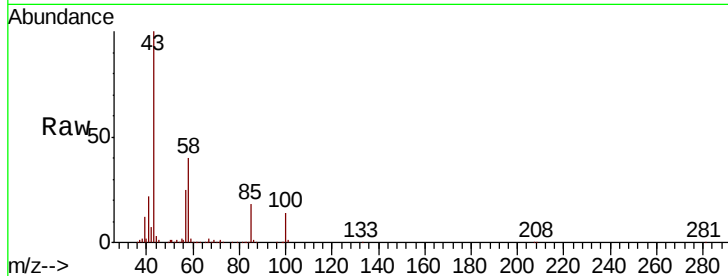
58 40.1 31.8 47.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

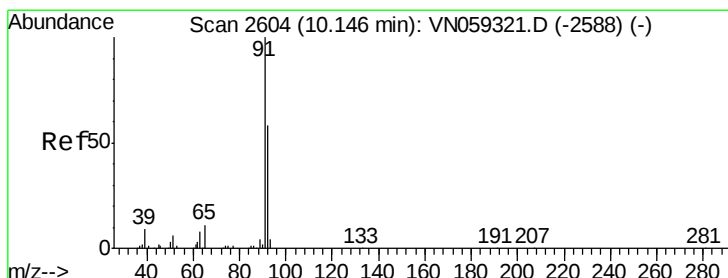
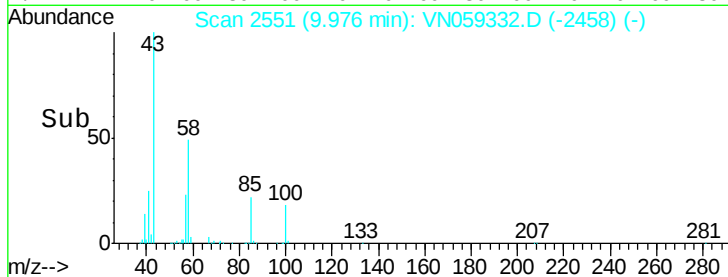
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 14.872 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059332.D

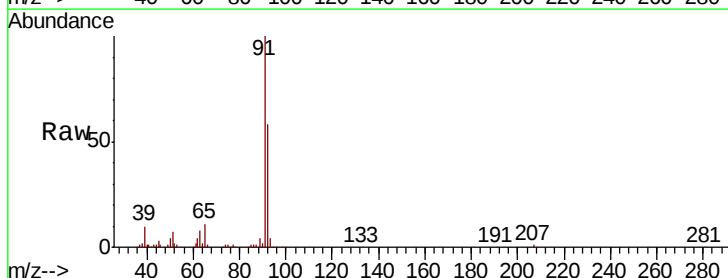
Acq: 21 Nov 2019 14:01

Tgt Ion: 92 Resp: 186749

Ion Ratio Lower Upper

92 100

91 173.0 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

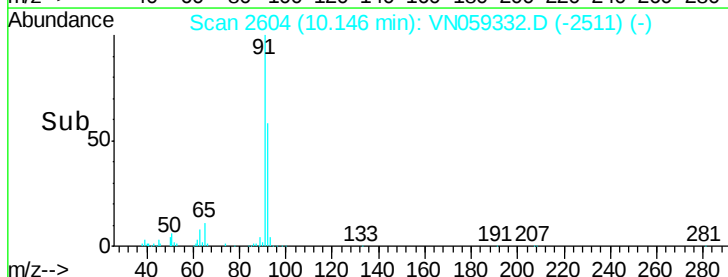
150000

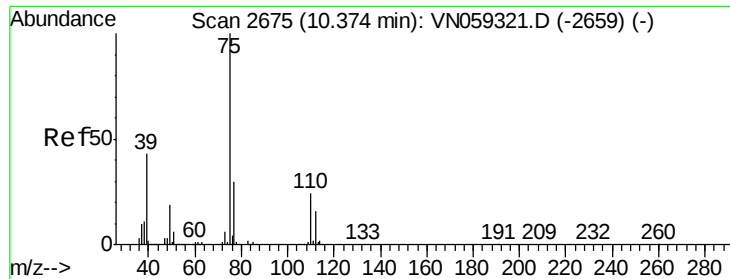
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 14.450 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS01

Tot Ion: 75 Resp: 114912

Ion Ratio Lower Upper

75 100

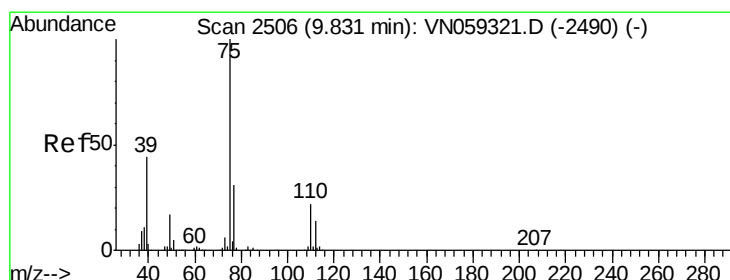
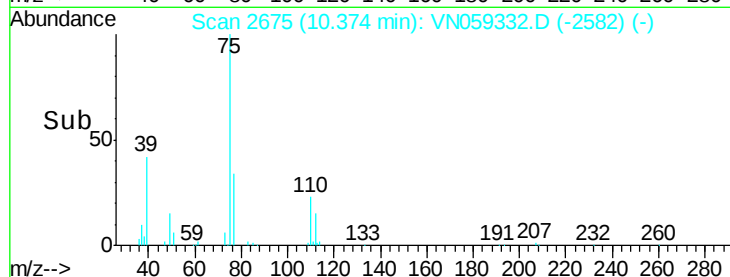
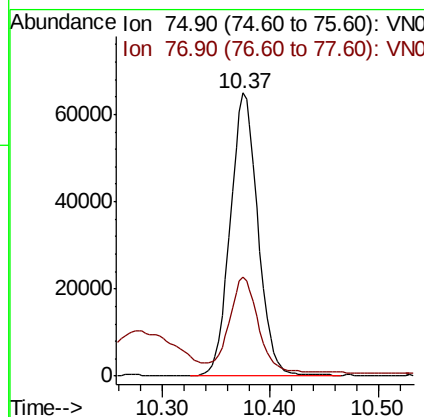
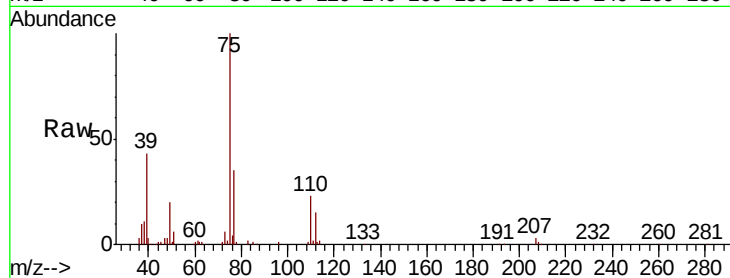
77 33.6 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 14.748 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

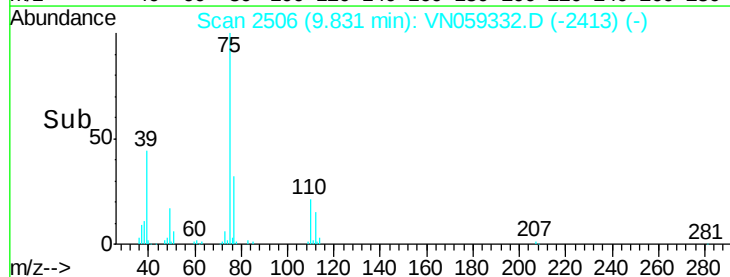
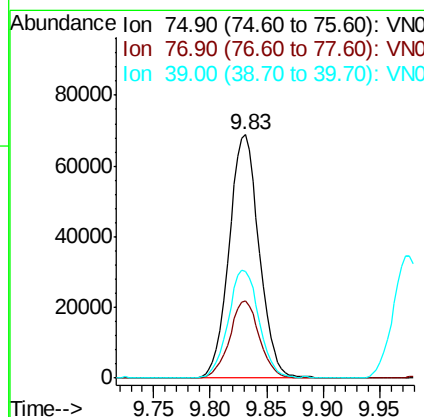
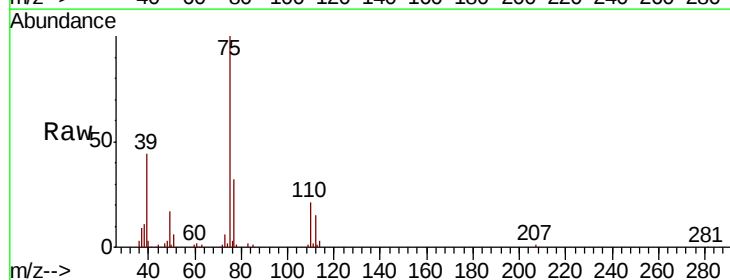
Tgt Ion: 75 Resp: 127260

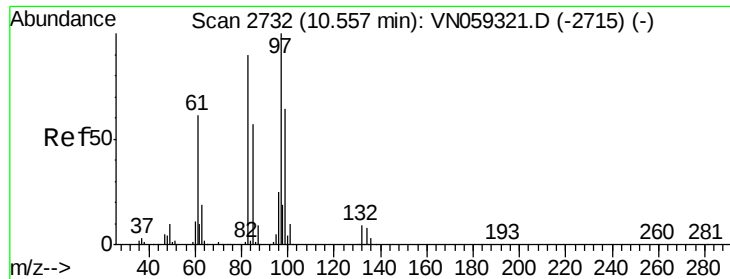
Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4

39 44.0 35.5 53.3





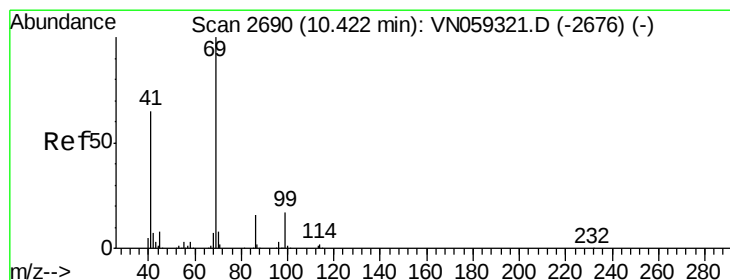
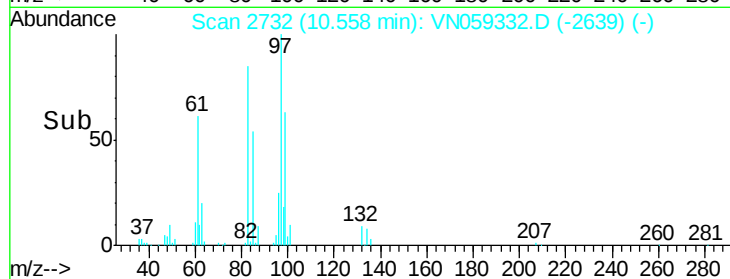
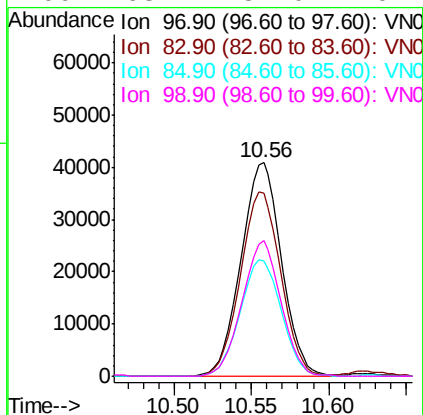
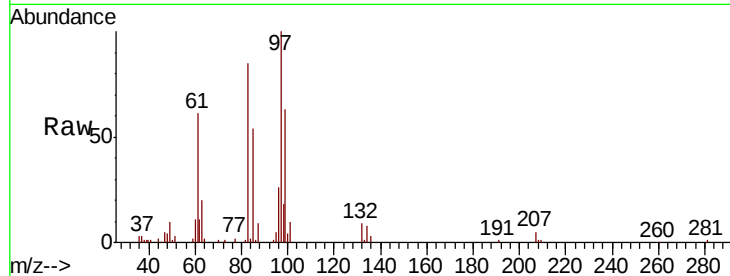
#55
 1,1,2-Trichloroethane
 Concen: 15.250 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.5	72.0	108.0
85	54.0	45.8	68.6
99	63.4	51.0	76.4

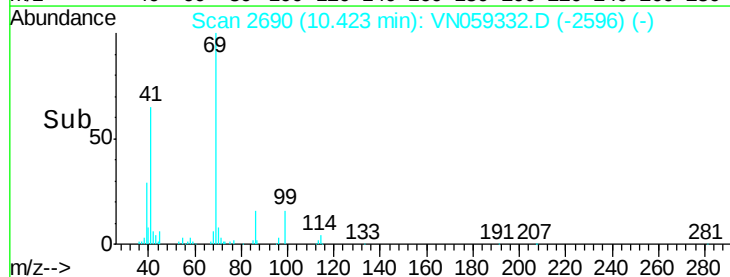
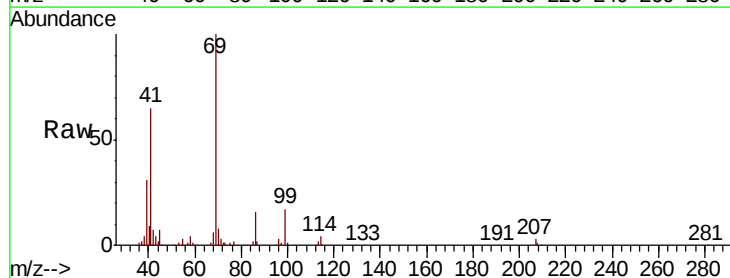
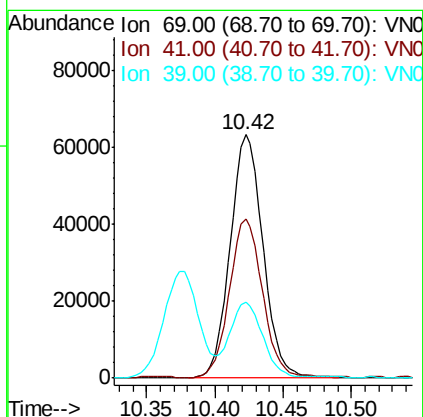
Manual Integrations
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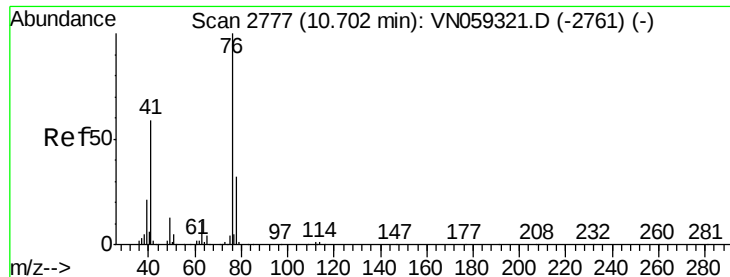
MMDadoda
 11/22/2019 3:12:04 PM



#56
 Ethyl methacrylate
 Concen: 14.488 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.7	77.5
39	30.9	25.2	37.8





#57

1,3-Dichloropropane

Concen: 14.988 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS01

Tot Ion: 76 Resp: 127542

Ion Ratio Lower Upper

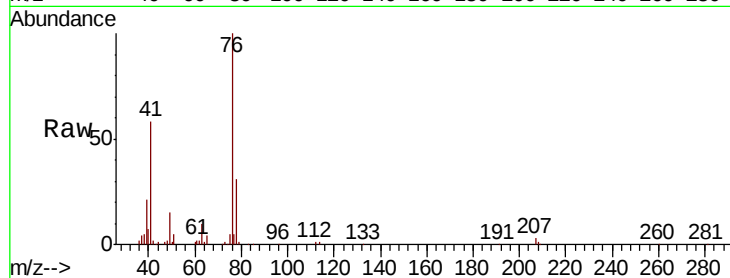
76 100

78 32.3 26.0 39.0

Manual Integrations
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11/22/2019 3:12:04 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

60000

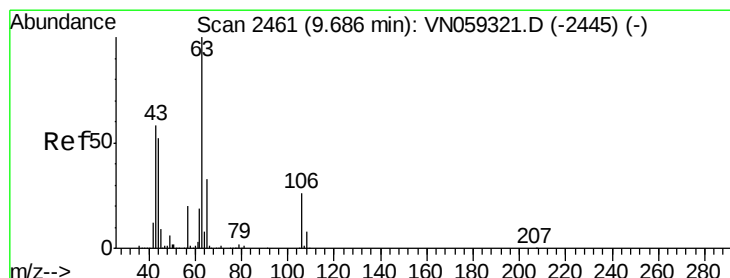
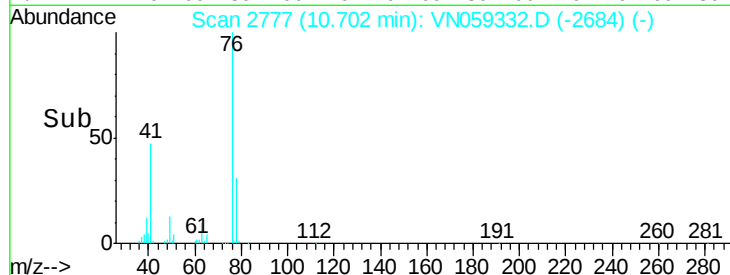
40000

20000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 80.335 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059332.D

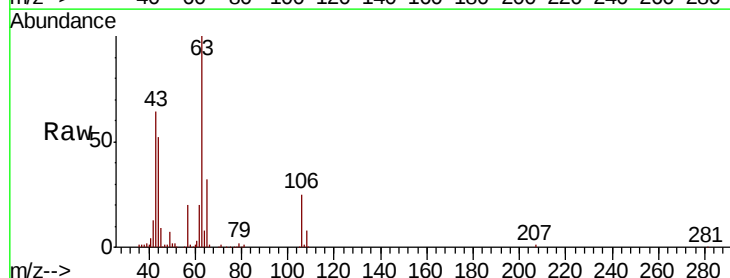
Acq: 21 Nov 2019 14:01

Tgt Ion: 63 Resp: 191652

Ion Ratio Lower Upper

63 100

106 25.3 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

120000

100000

80000

60000

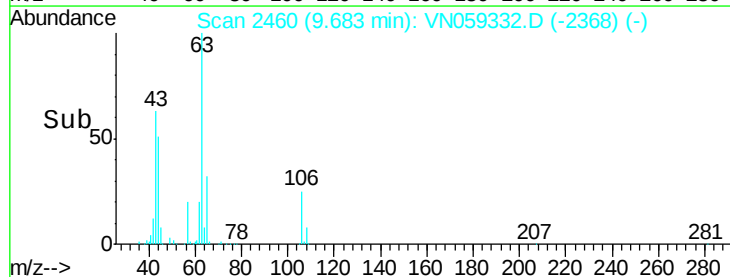
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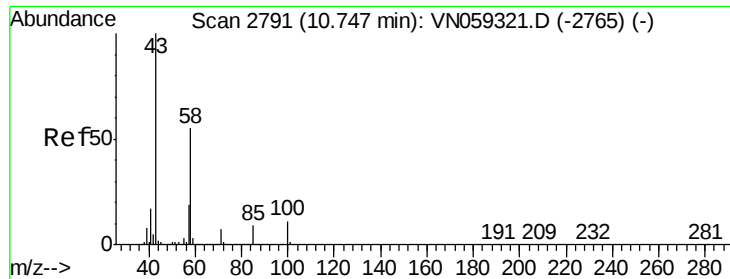
20000

0

Time-->

9.60 9.70 9.80





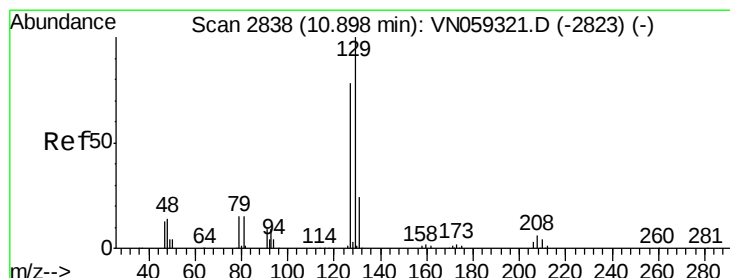
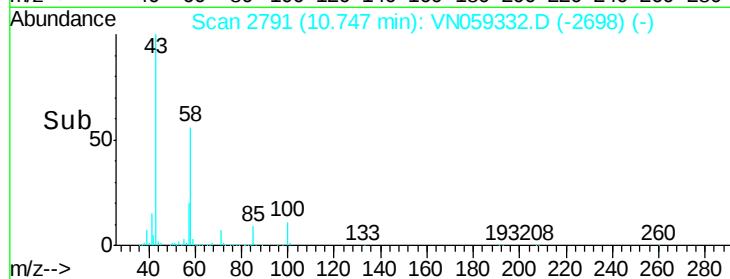
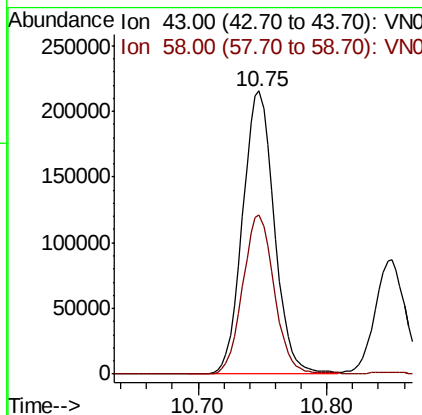
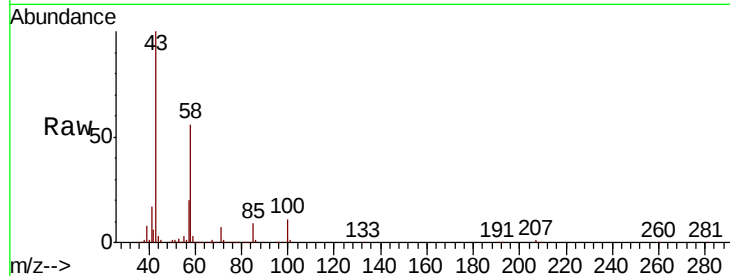
#59
2-Hexanone
Concen: 73.659 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion: 43 Resp: 368955
Ion Ratio Lower Upper
43 100
58 56.1 27.7 83.0

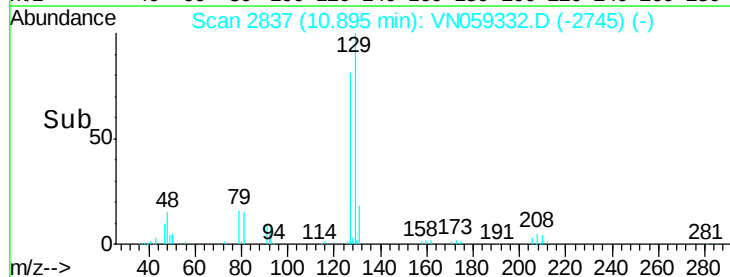
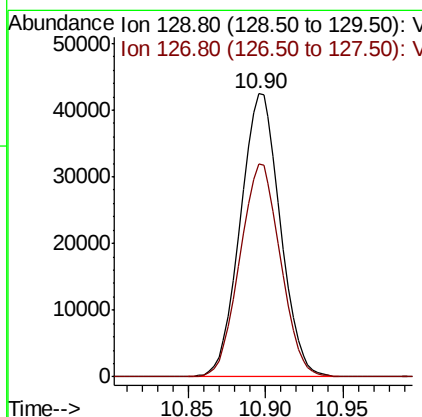
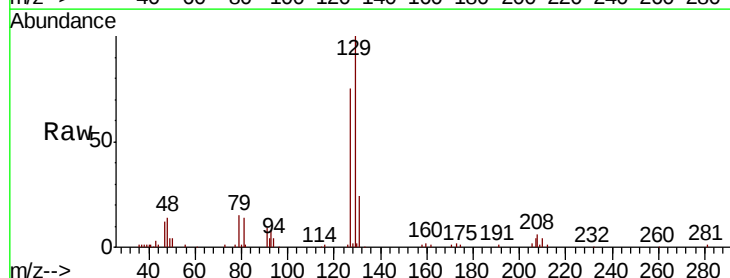
Manual Integrations
APPROVED

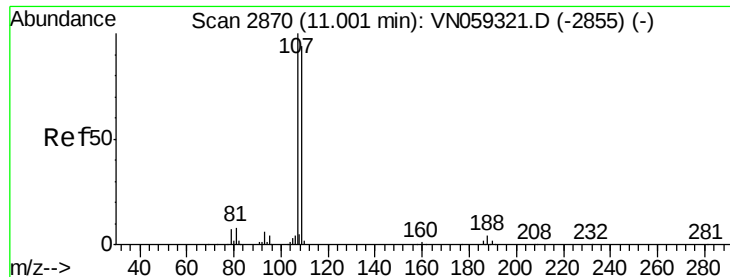
MMDadoda
11/22/2019 3:12:04 PM



#60
Dibromochloromethane
Concen: 14.820 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion: 129 Resp: 76247
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5





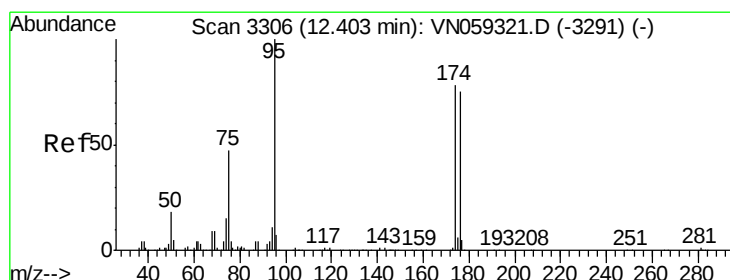
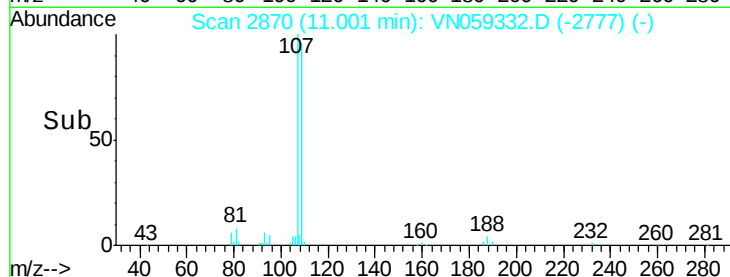
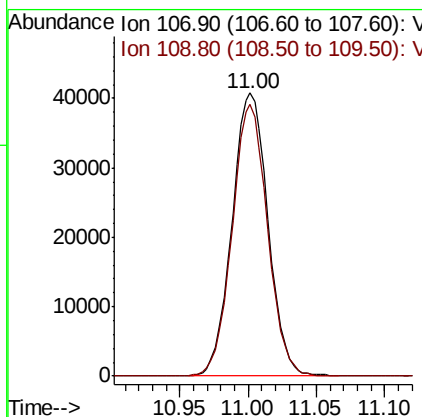
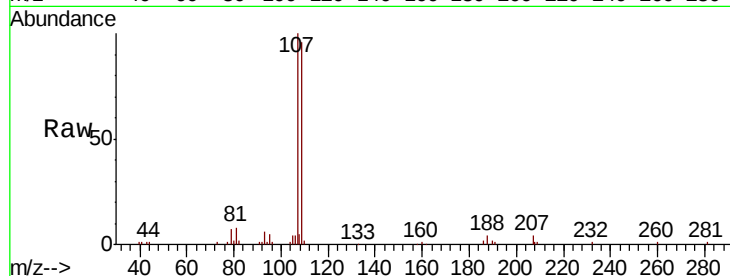
#61
1,2-Dibromoethane
Concen: 14.690 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion: 107 Resp: 74628
Ion Ratio Lower Upper
107 100
109 94.3 75.4 113.2

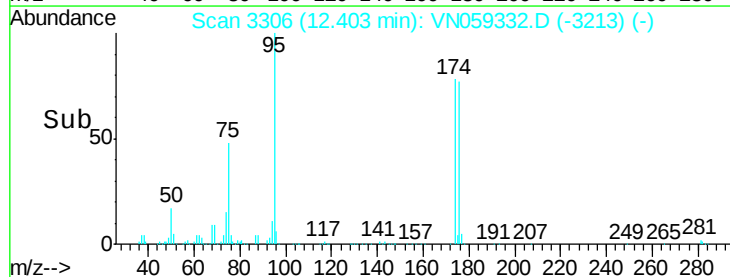
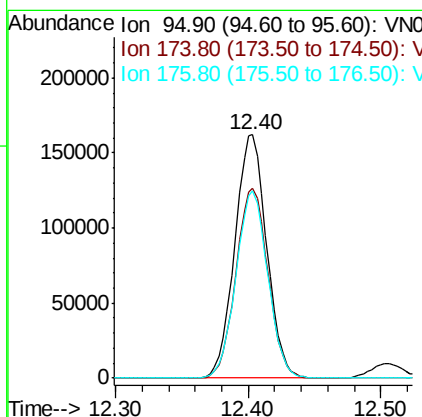
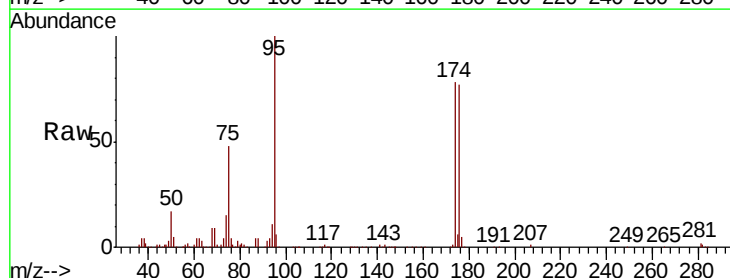
Manual Integrations
APPROVED

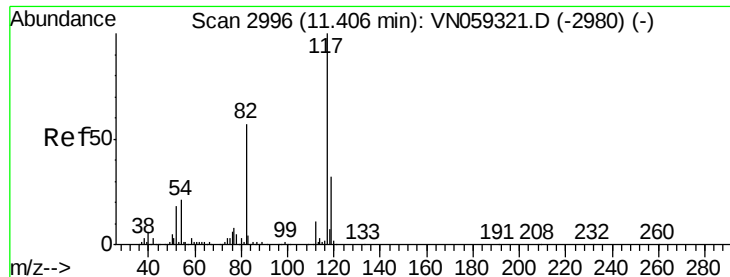
MMDadoda
11/22/2019 3:12:04 PM



#62
4-Bromofluorobenzene
Concen: 47.037 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion: 95 Resp: 270359
Ion Ratio Lower Upper
95 100
174 78.5 0.0 157.4
176 76.9 0.0 151.2





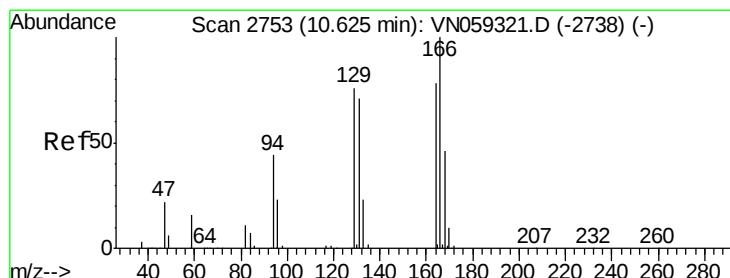
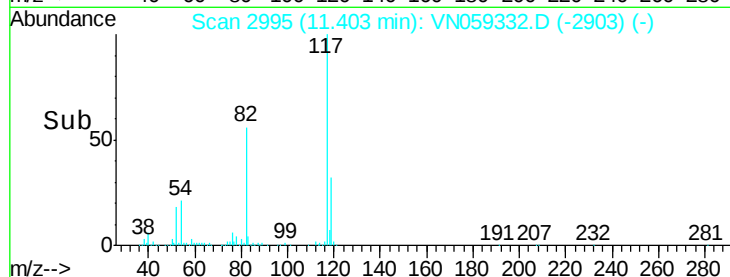
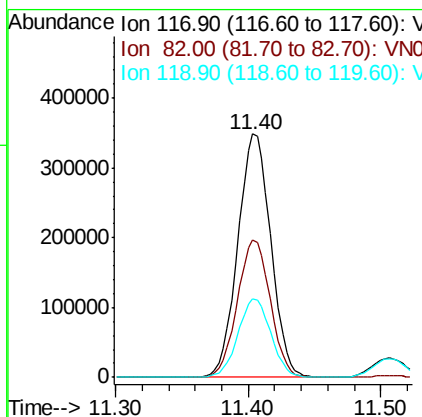
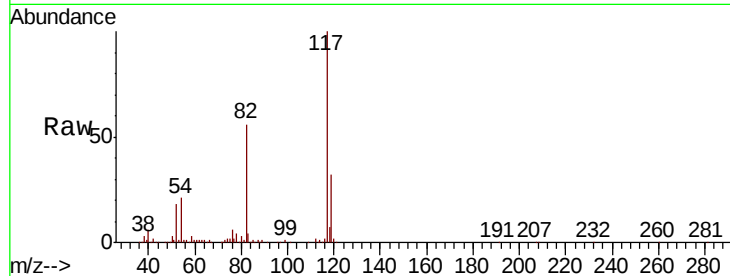
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.7	68.5
119	32.3	25.8	38.6

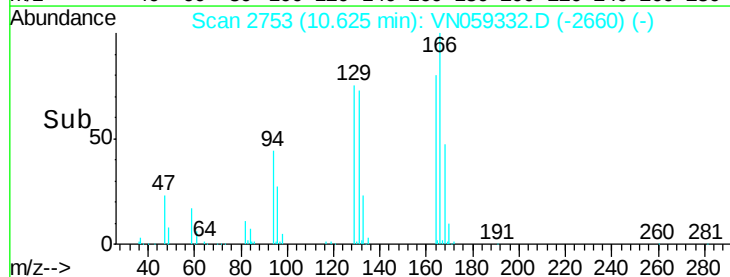
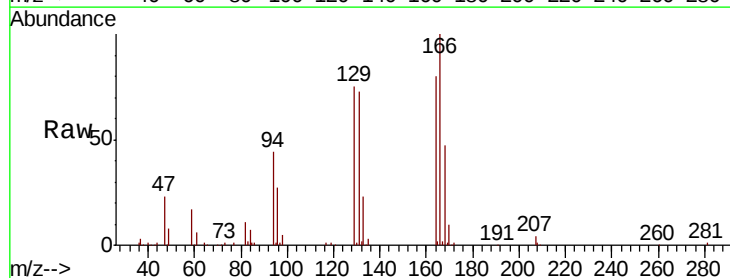
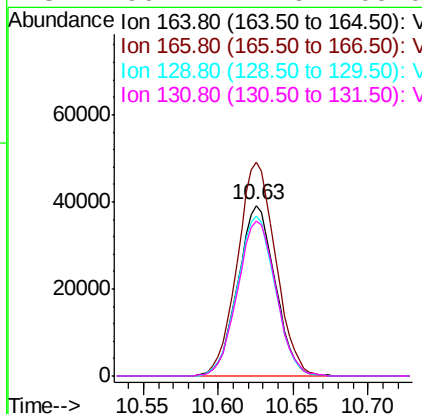
Manual Integrations
APPROVED

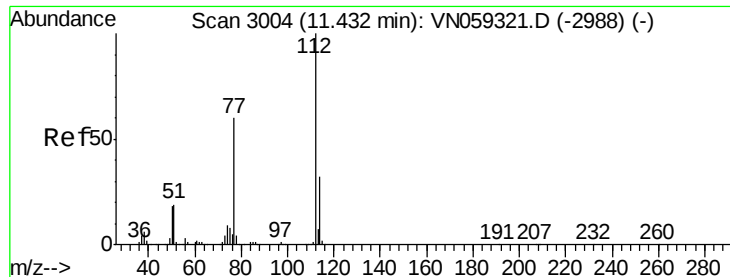
MMDadoda
11/22/2019 3:12:04 PM



#64
Tetrachloroethene
Concen: 14.544 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	102.9	154.3
129	93.7	78.2	117.2
131	90.7	72.6	109.0





#65

Chlorobenzene

Concen: 14.828 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS01

Tot Ion:112 Resp: 192386

Ion Ratio Lower Upper

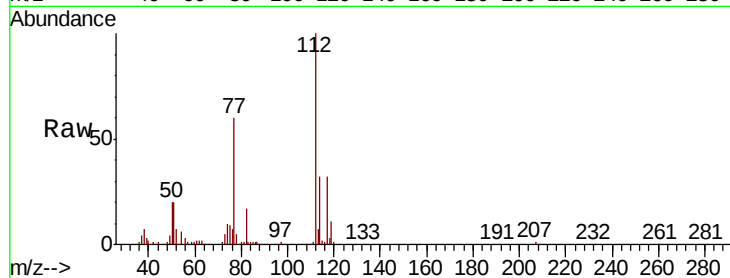
112 100

114 31.7 25.8 38.6

Manual Integrations
APPROVED

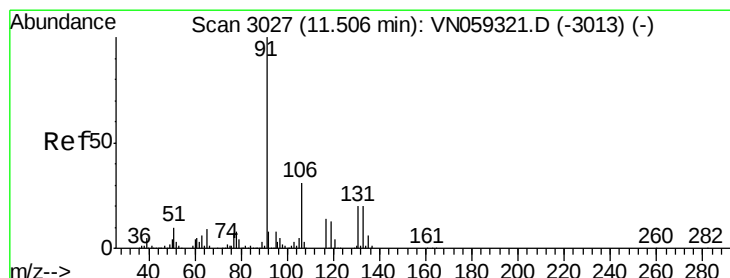
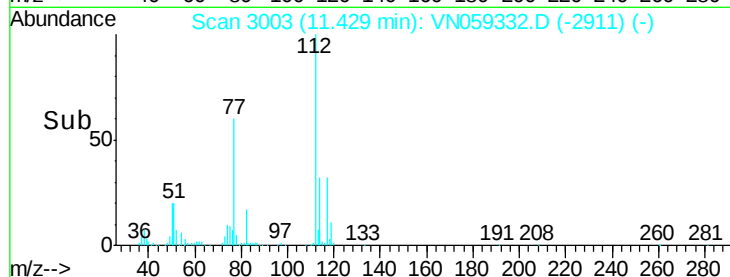
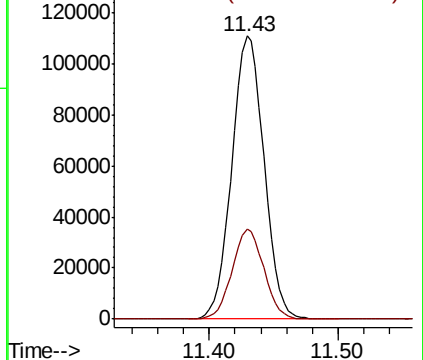
MMDadoda

11/22/2019 3:12:04 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 15.120 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

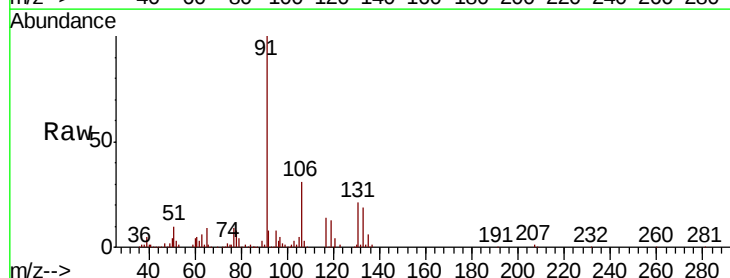
Tgt Ion:131 Resp: 71264

Ion Ratio Lower Upper

131 100

133 94.1 48.2 144.6

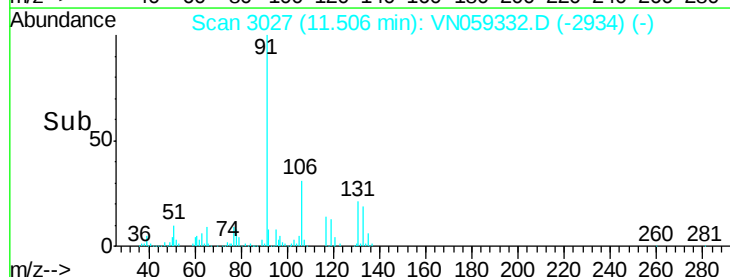
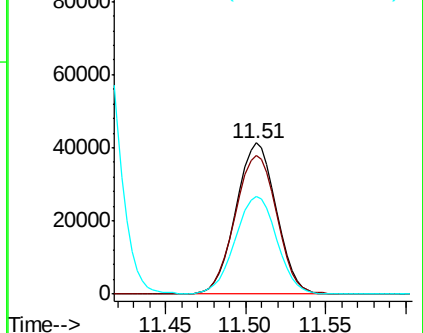
119 66.7 33.6 100.6

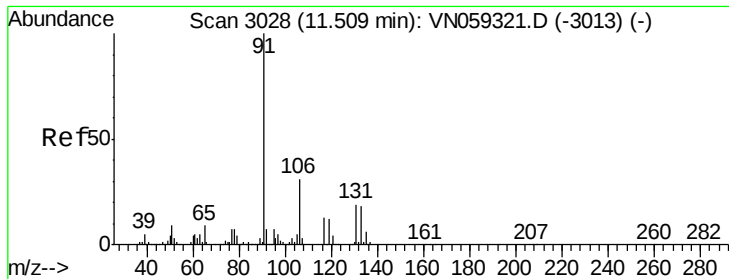


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 14.785 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS01

Tot Ion: 91 Resp: 342512

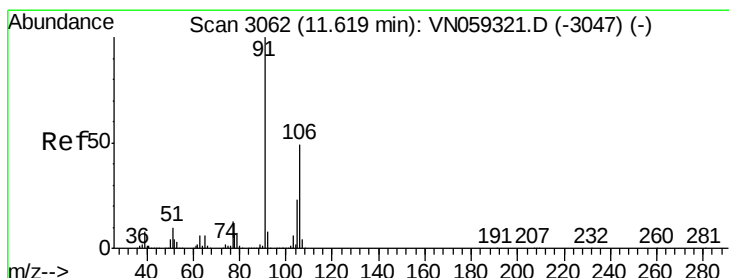
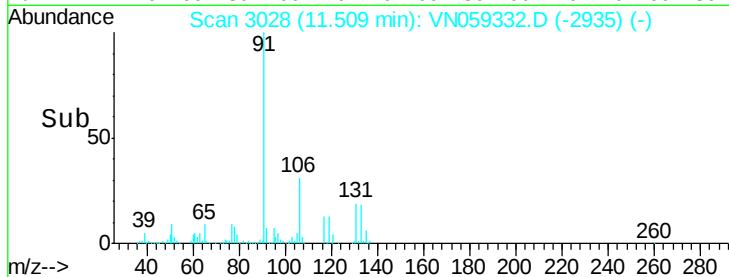
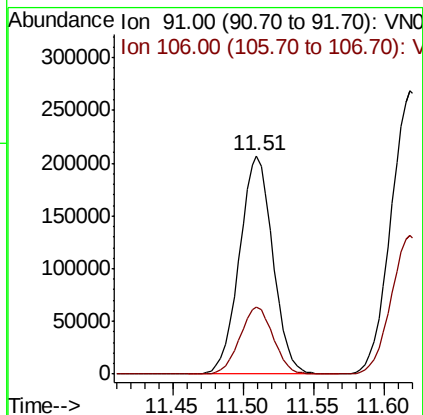
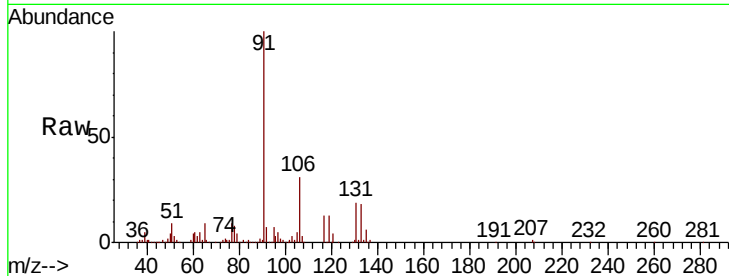
Ion Ratio Lower Upper

91 100

106 30.7 24.6 37.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 29.608 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059332.D

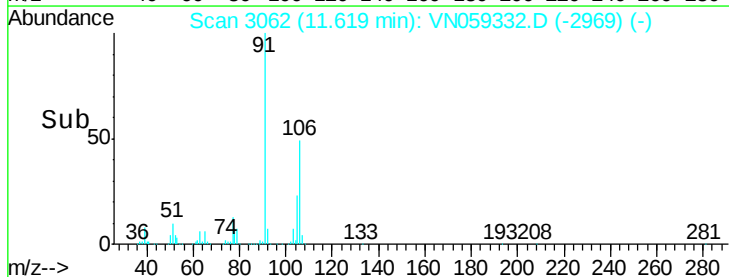
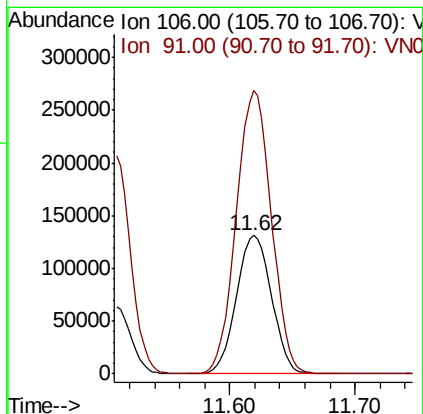
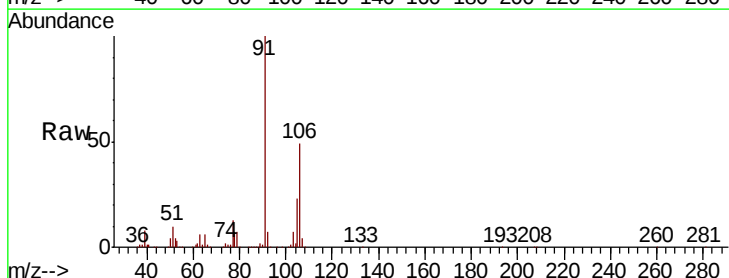
Acq: 21 Nov 2019 14:01

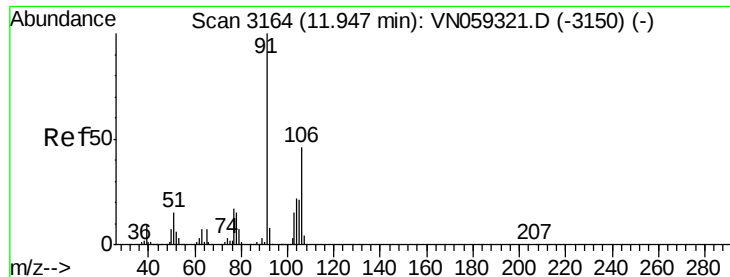
Tgt Ion: 106 Resp: 254861

Ion Ratio Lower Upper

106 100

91 205.1 163.2 244.8





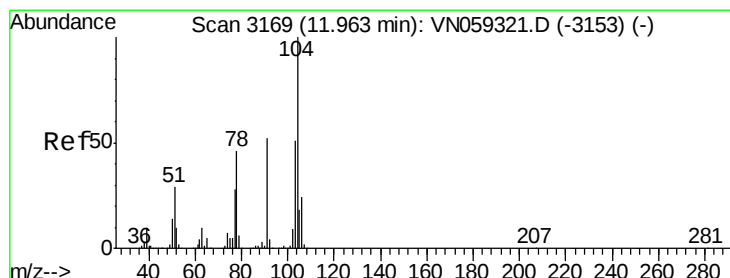
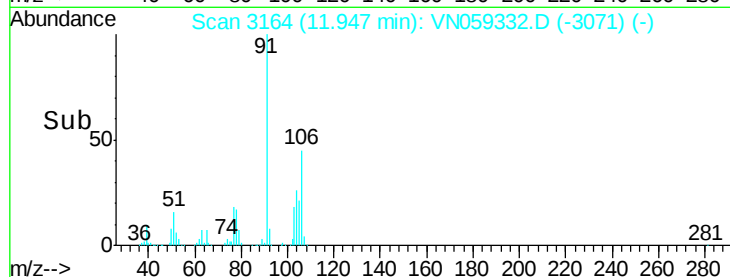
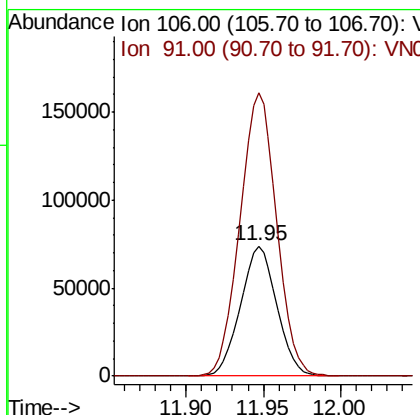
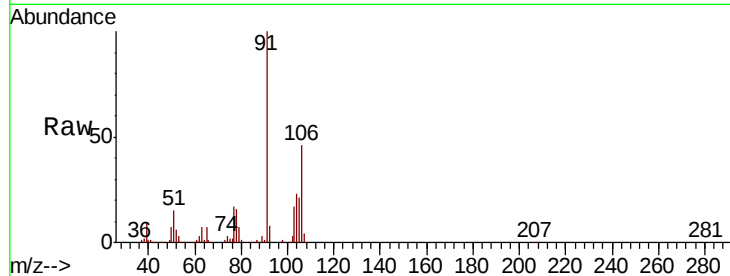
#69
o-Xylene
Concen: 14.636 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	219.9	109.3	327.9	

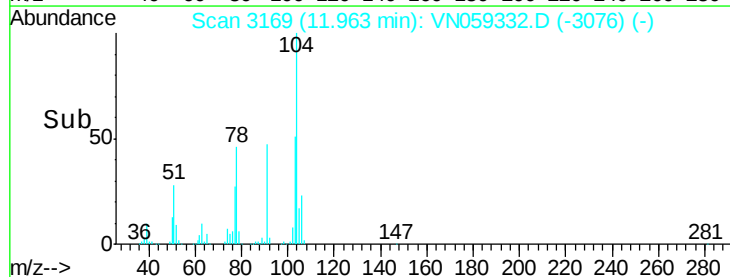
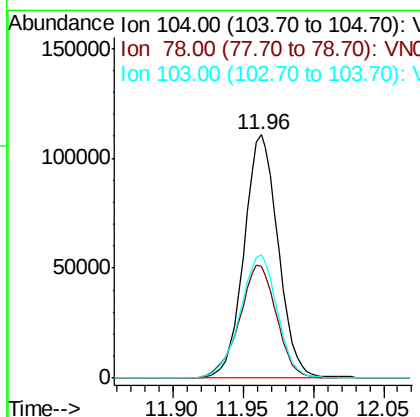
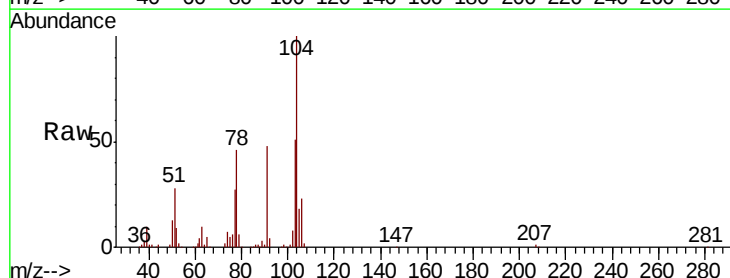
Manual Integrations
APPROVED

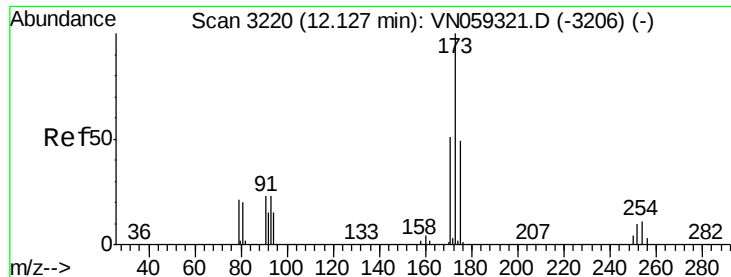
MMDadoda
11/22/2019 3:12:04 PM



#70
Styrene
Concen: 14.440 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	50.7	40.3	60.5	
103	55.2	43.6	65.4	





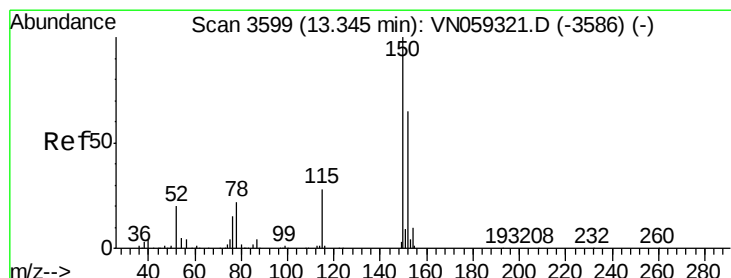
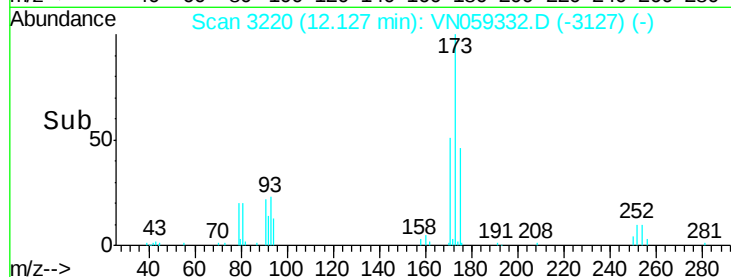
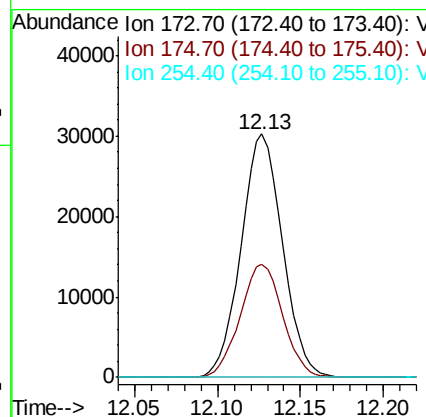
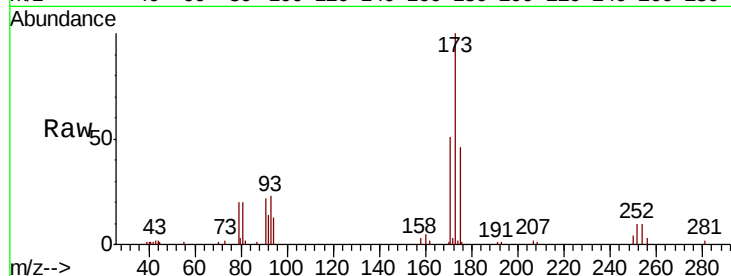
#71
Bromoform
Concen: 14.729 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.6	73.6
254	0.0	0.1	0.1#

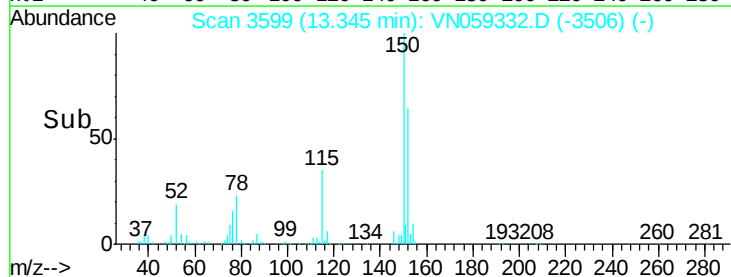
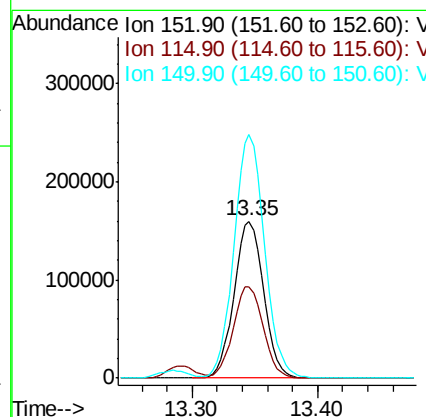
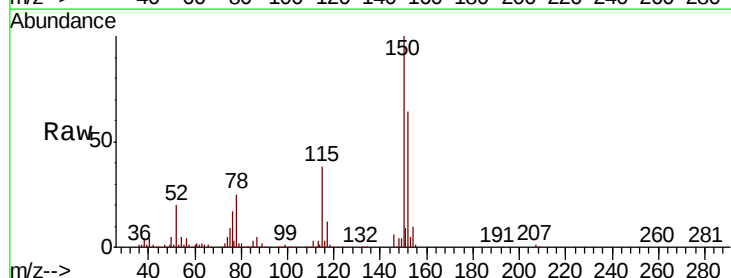
Manual Integrations
APPROVED

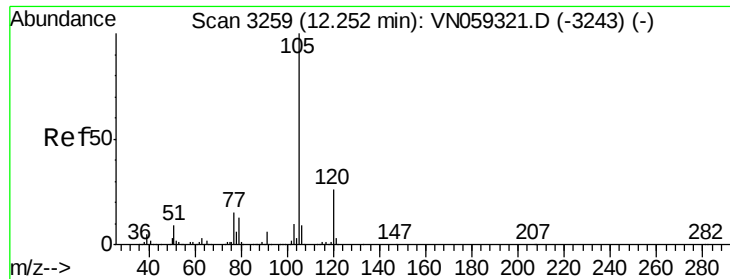
MMDadoda
11/22/2019 3:12:04 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.3	88.0
150	159.9	0.0	346.0





#73

Isopropylbenzene

Concen: 15.061 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS01

Tot Ion: 105 Resp: 323201

Ion Ratio Lower Upper

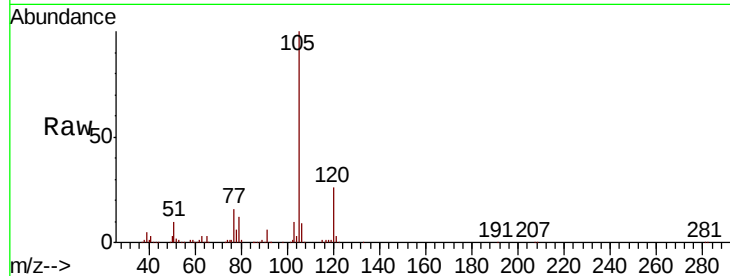
105 100

120 26.3 13.1 39.3

Manual Integrations
APPROVED

MMDadoda

11/22/2019 3:12:04 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200000

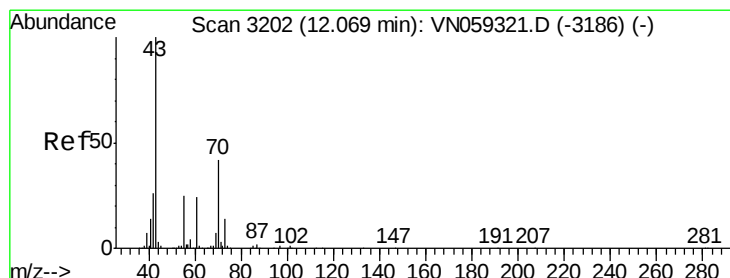
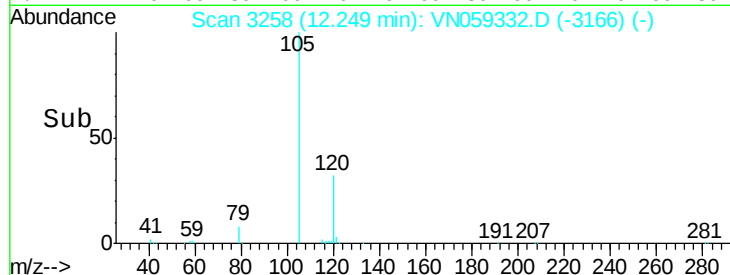
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 13.979 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Tgt Ion: 43 Resp: 120565

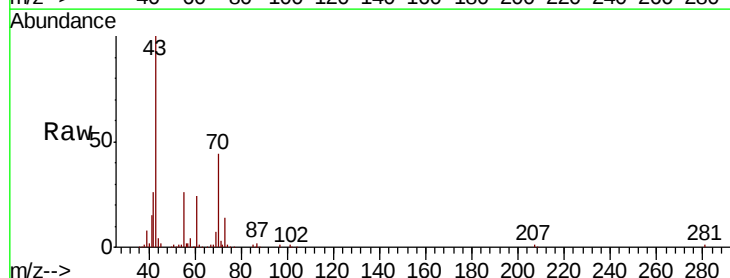
Ion Ratio Lower Upper

43 100

70 42.9 33.8 50.6

55 26.2 20.3 30.5

61 24.2 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

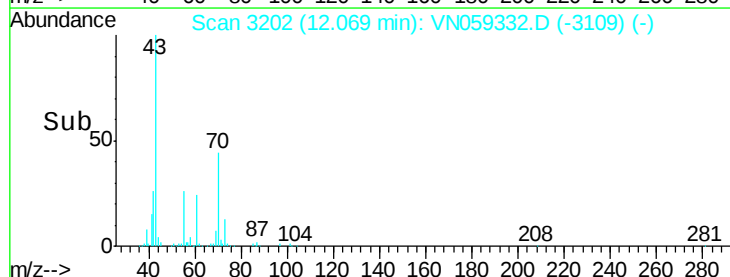
60000

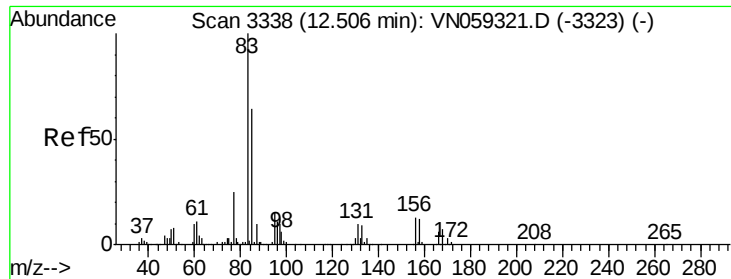
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 15.006 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS01

Tot Ion: 83 Resp: 106528
Ion Ratio Lower Upper

83 100

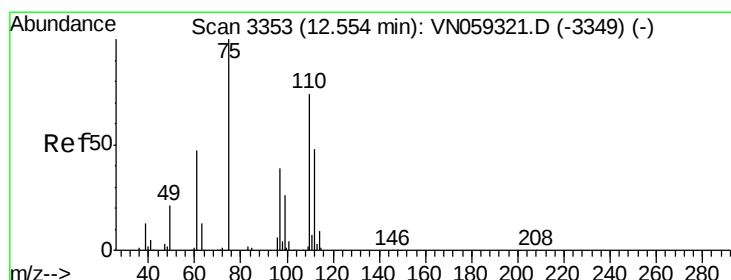
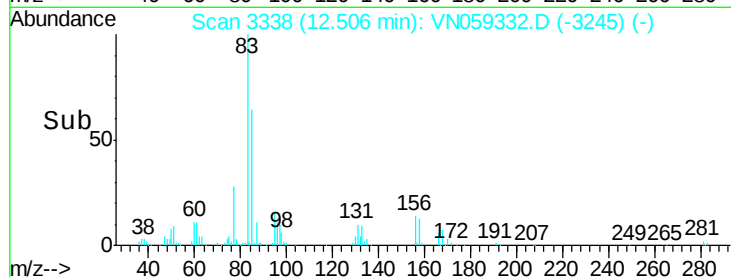
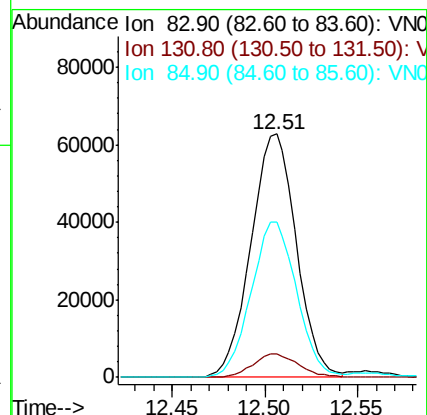
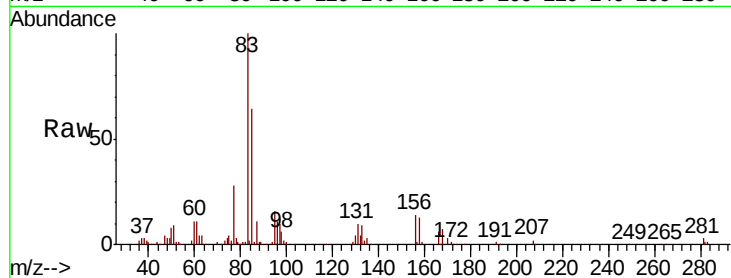
131 9.7 5.0 14.9

85 63.8 32.1 96.3

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#76

1,2,3-Trichloropropane

Concen: 15.795 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

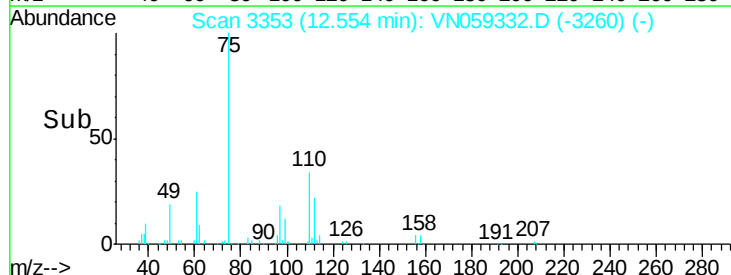
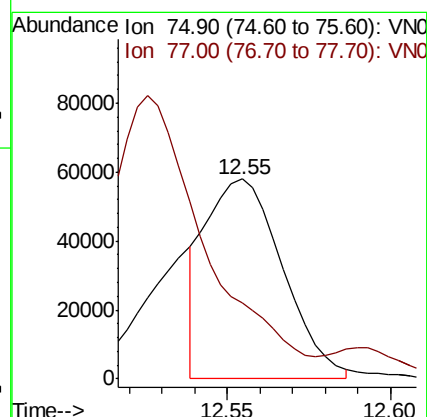
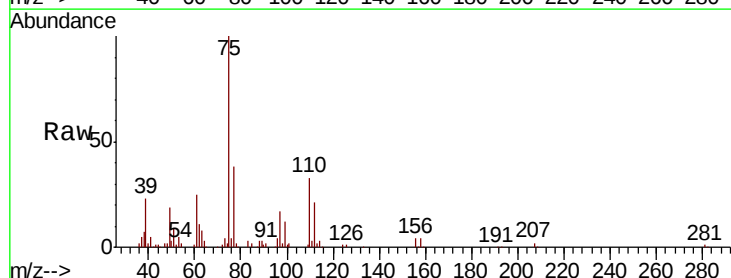
Lab File: VN059332.D

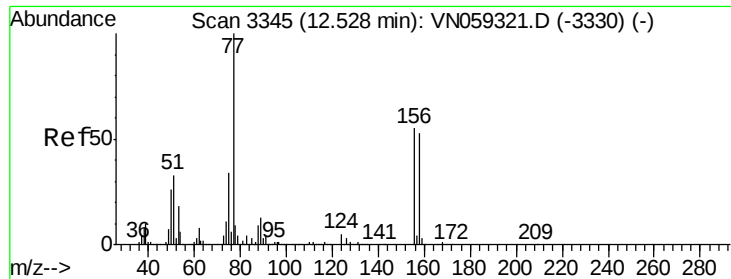
Acq: 21 Nov 2019 14:01

Tgt Ion: 75 Resp: 95593
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 14.719 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

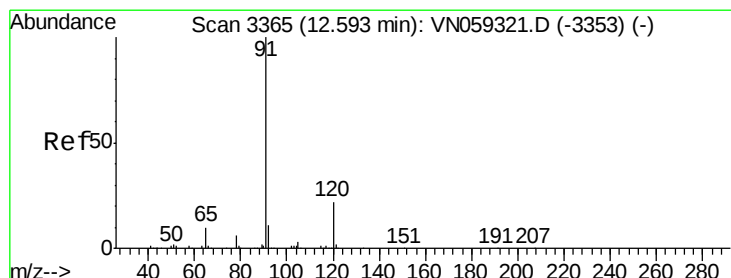
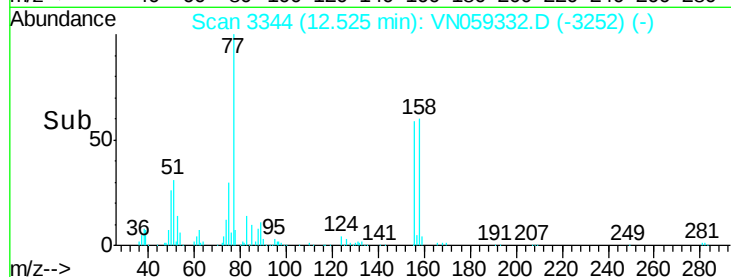
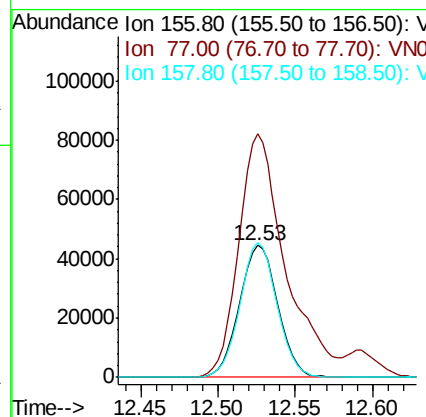
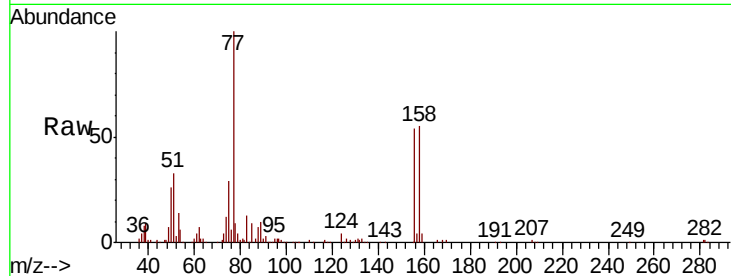
ClientSampleId :

VN1121MBS01

Tot Ion:	156	Resp:	76612
Ion Ratio	Lower	Upper	
156	100		
77	224.6	111.1	333.4
158	98.4	47.8	143.4

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#78

n-propylbenzene

Concen: 14.937 ug/l

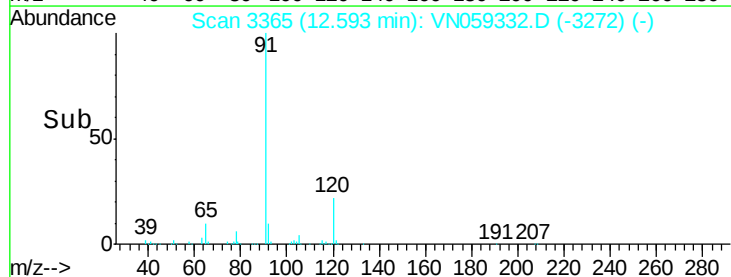
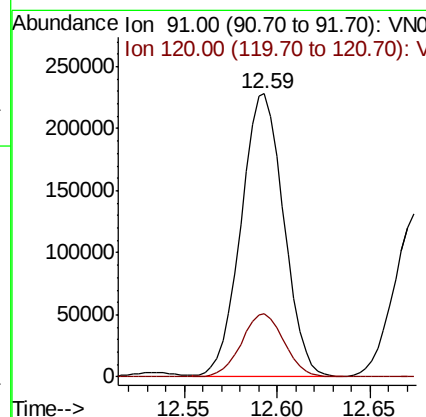
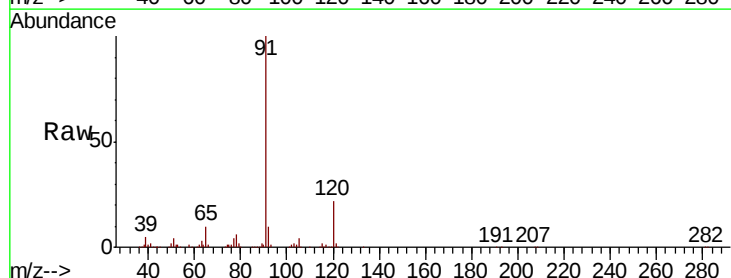
RT: 12.59 min Scan# 3365

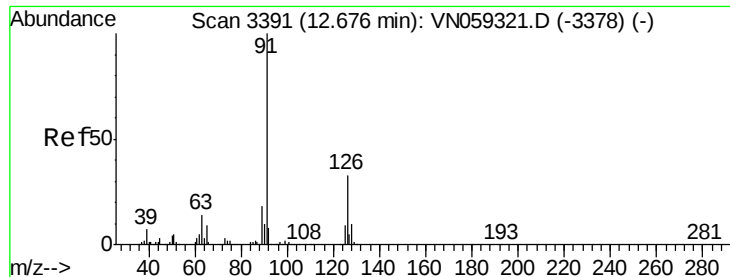
Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Tgt Ion:	91	Resp:	363083
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.3	33.9





#79

2-Chlorotoluene

Concen: 14.693 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS01

Tot Ion: 91 Resp: 219230

Ion Ratio Lower Upper

91 100

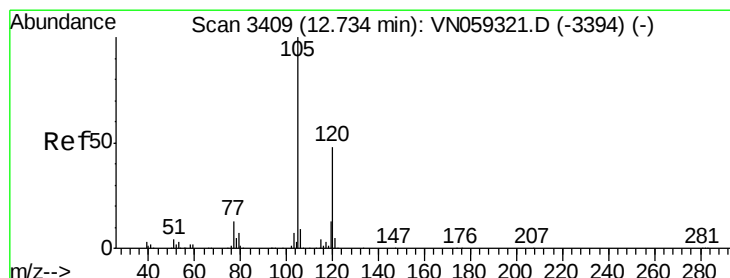
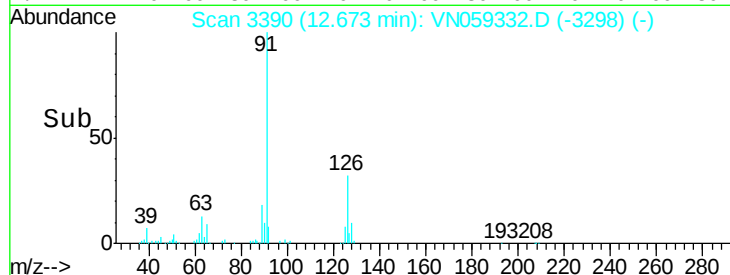
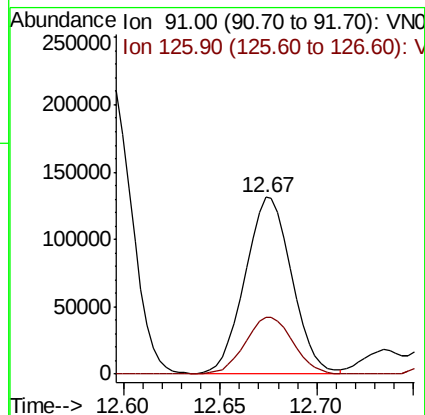
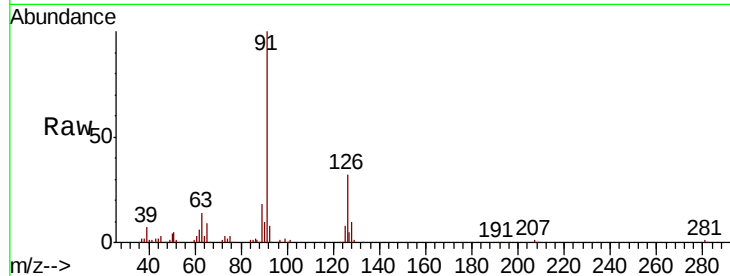
126 33.2 16.7 50.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 14.976 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059332.D

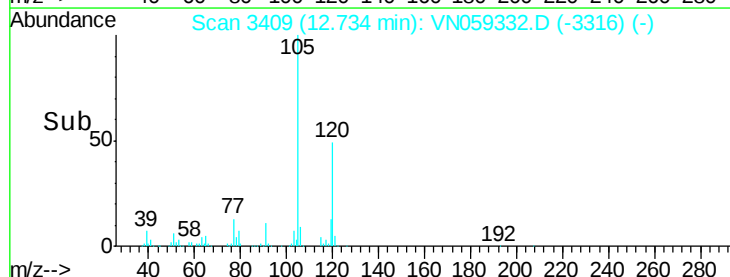
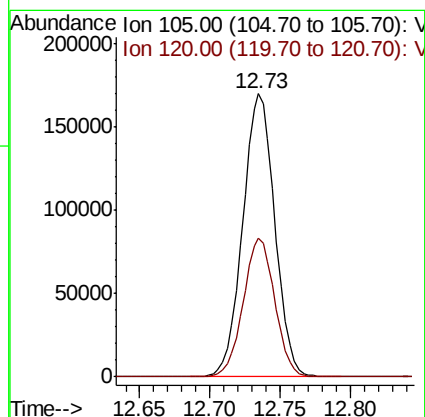
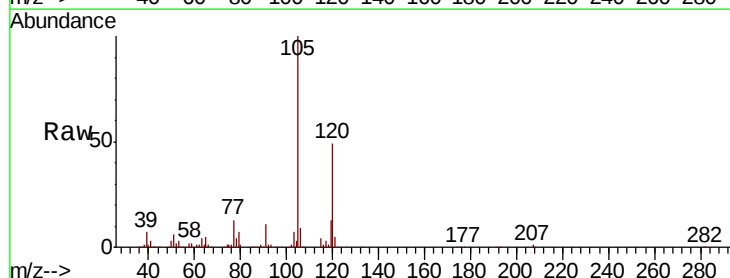
Acq: 21 Nov 2019 14:01

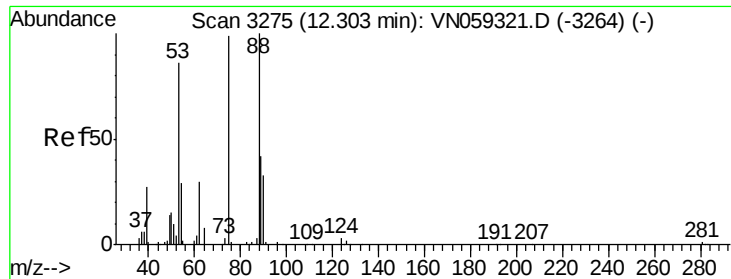
Tgt Ion: 105 Resp: 270163

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4





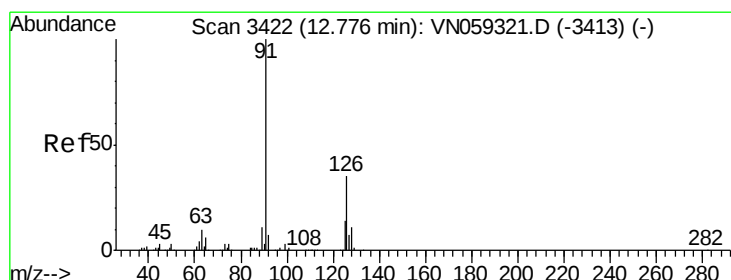
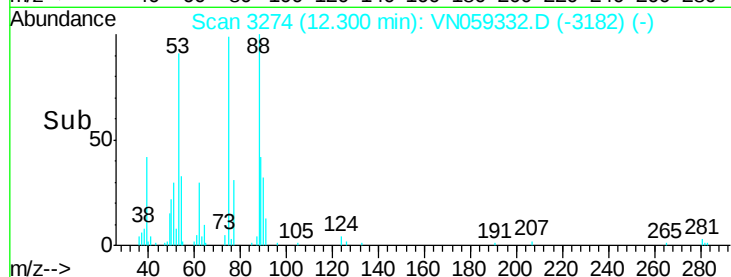
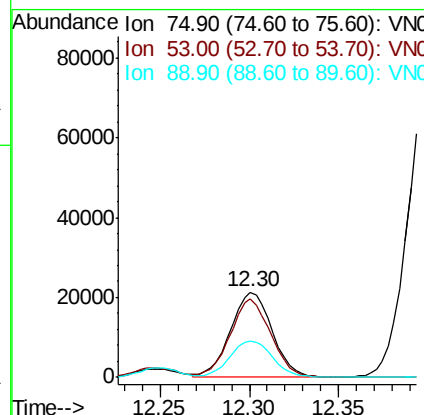
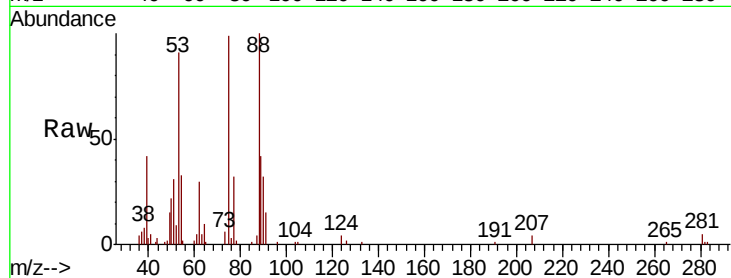
#81
trans-1,4-Dichloro-2-butene
Concen: 14.329 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.2	70.7	106.1
89	43.9	35.4	53.0

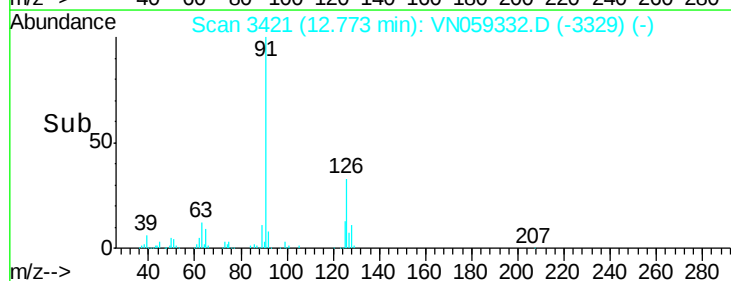
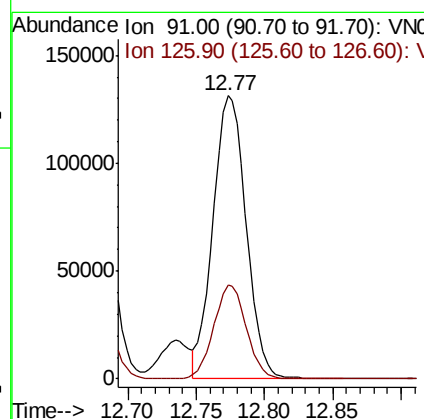
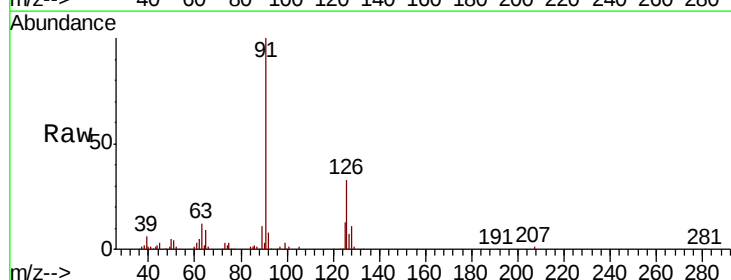
Manual Integrations
APPROVED

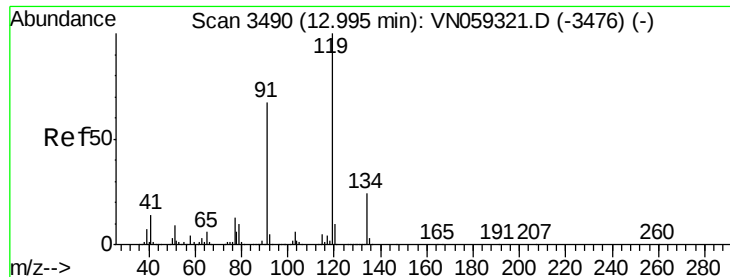
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#82
4-Chlorotoluene
Concen: 14.278 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.6





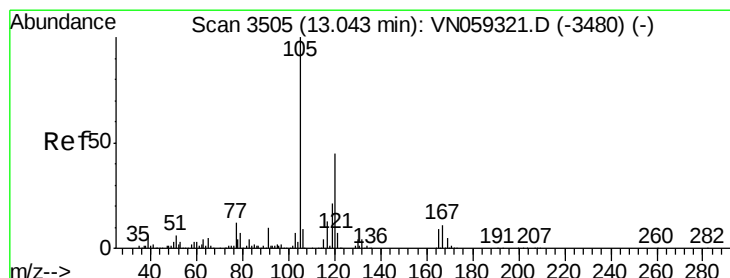
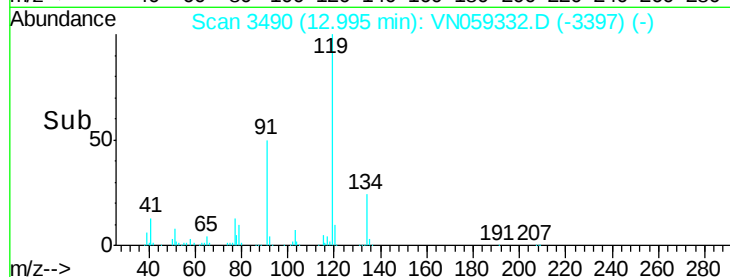
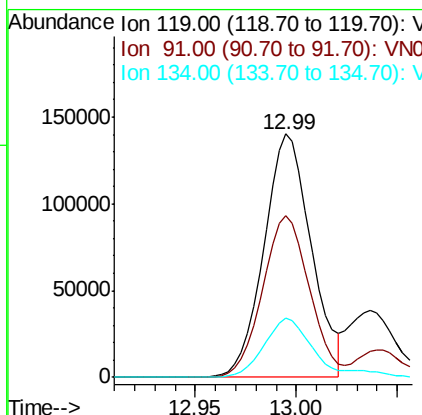
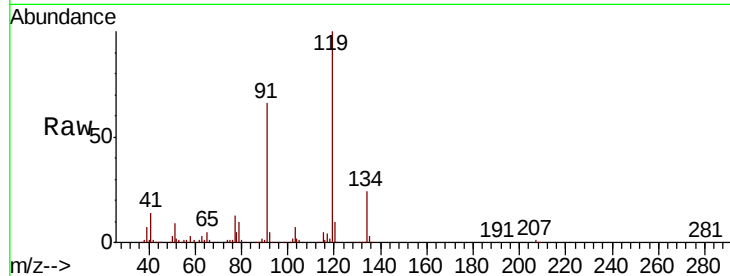
#83
tert-Butylbenzene
Concen: 14.989 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	32.8	98.4
134	23.8	13.0	38.9

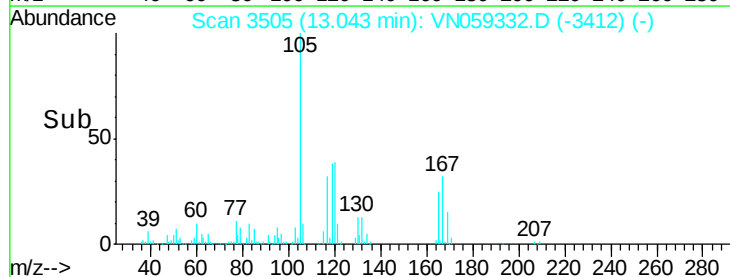
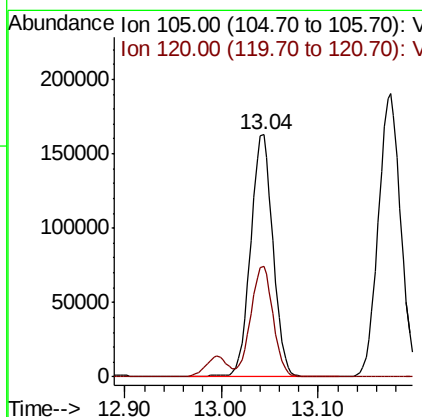
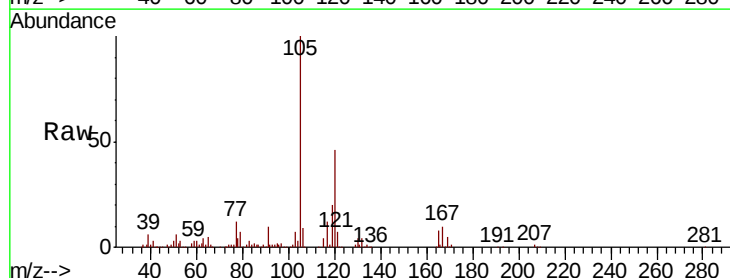
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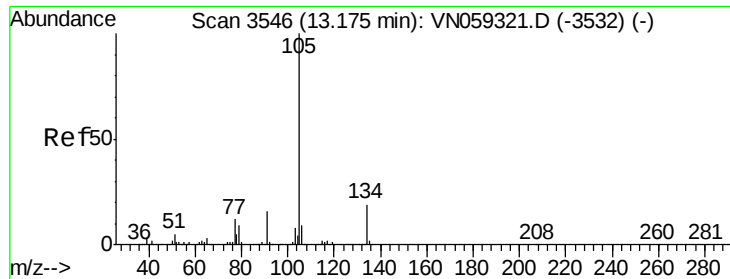
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#84
1,2,4-Trimethylbenzene
Concen: 14.797 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.6	67.8





#85

sec-Butylbenzene

Concen: 14.886 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS01

Tot Ion:105 Resp: 304828

Ion Ratio Lower Upper

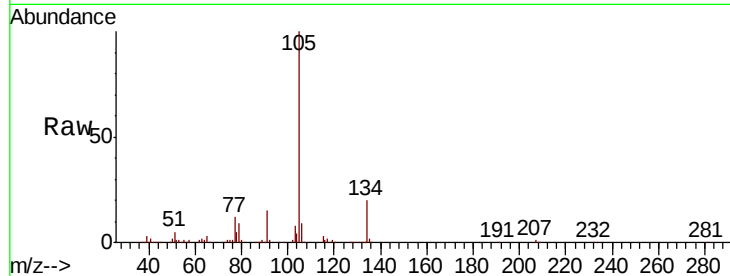
105 100

134 19.4 9.8 29.3

Manual Integrations
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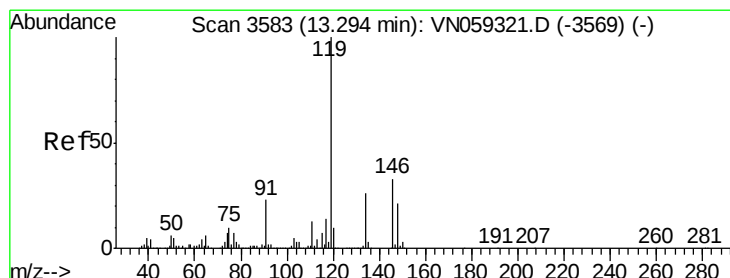
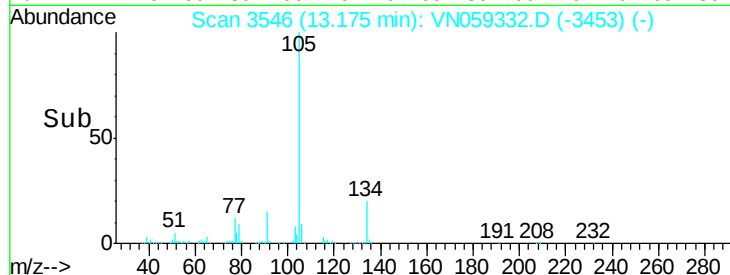
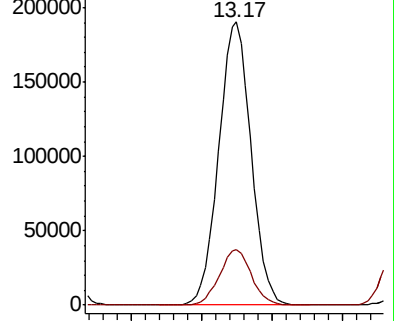
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 14.740 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

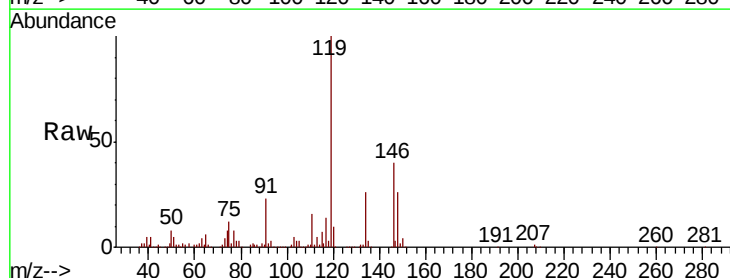
Tgt Ion:119 Resp: 268595

Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

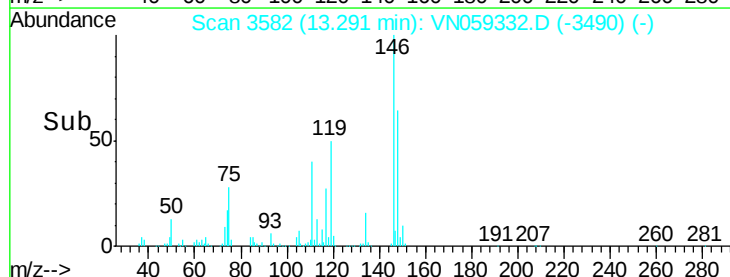
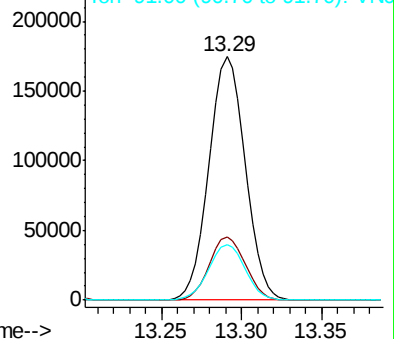
91 23.2 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 14.205 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059332.D

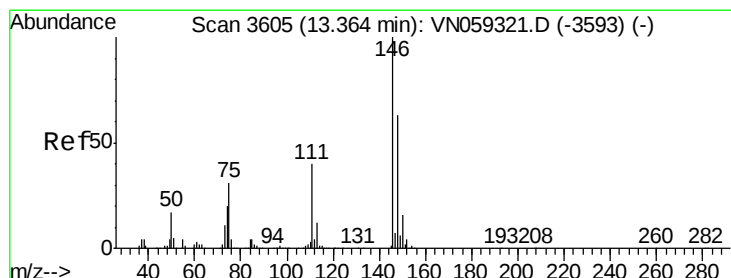
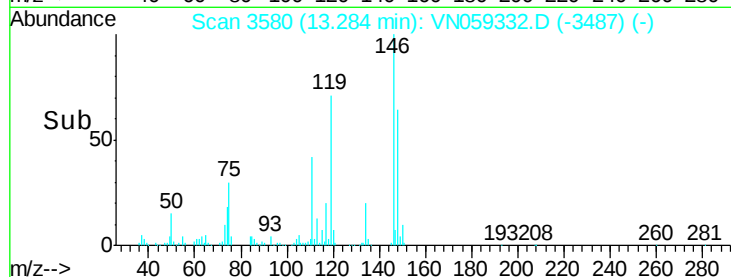
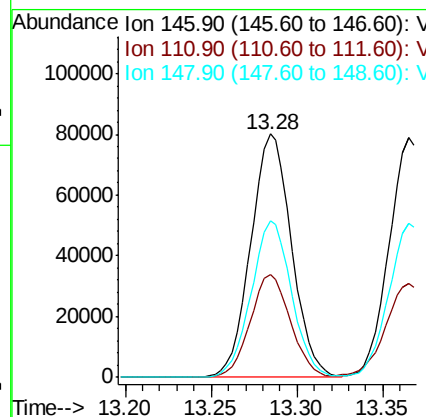
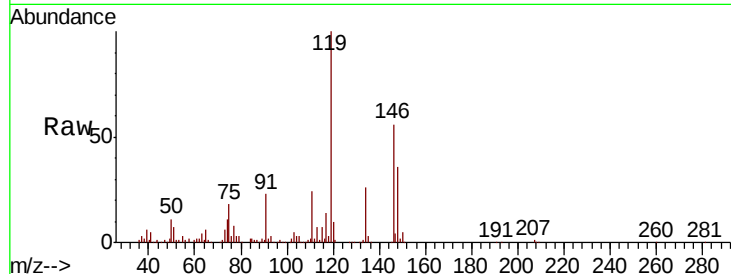
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.6	61.8
148	63.8	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 14.183 ug/l

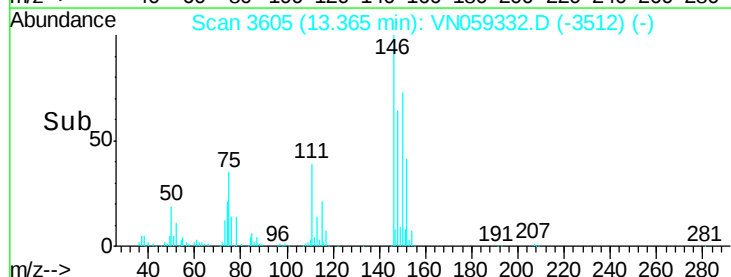
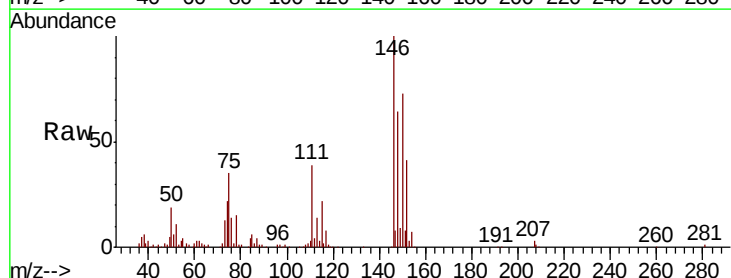
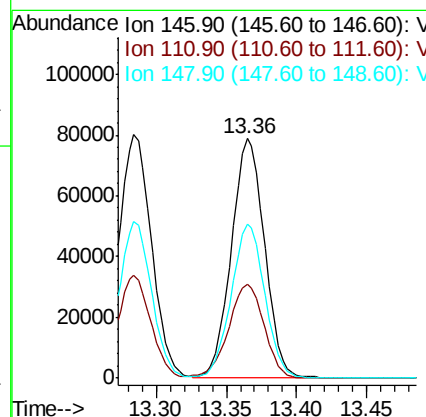
RT: 13.36 min Scan# 3605

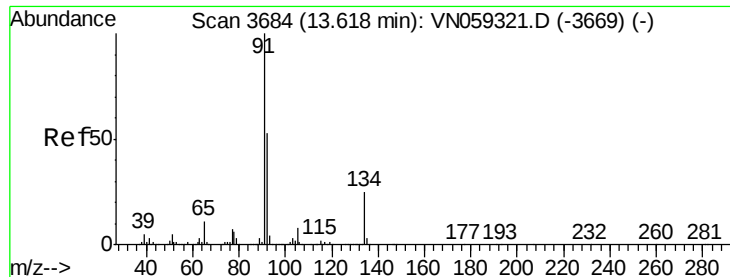
Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.1	60.3
148	64.9	31.7	95.1





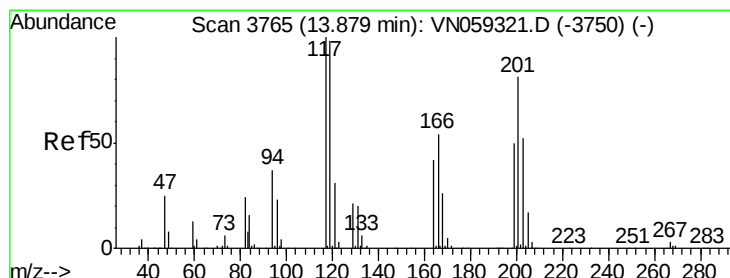
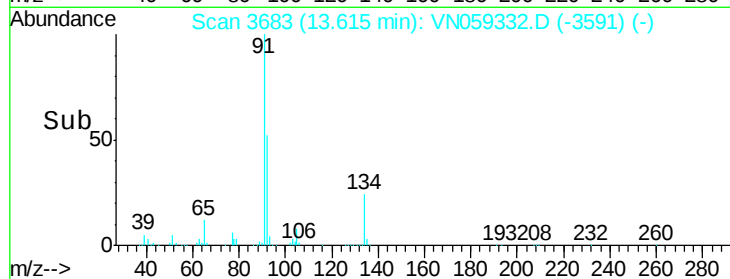
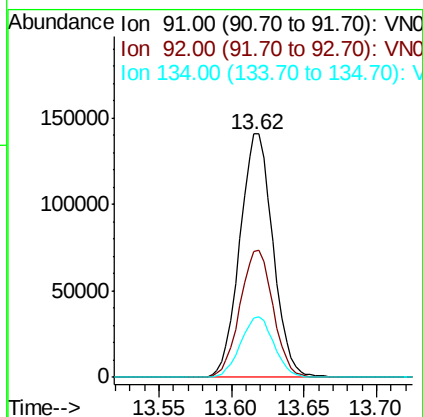
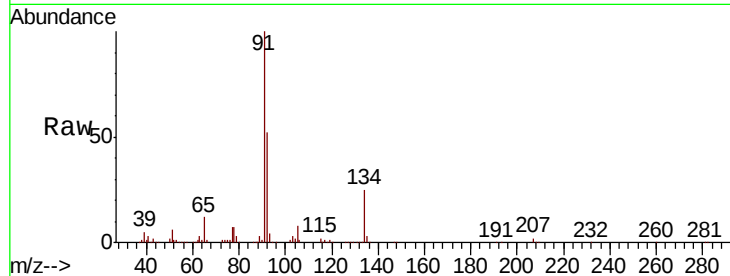
#89
n-Butylbenzene
Concen: 14.022 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	25.2	12.7	38.1

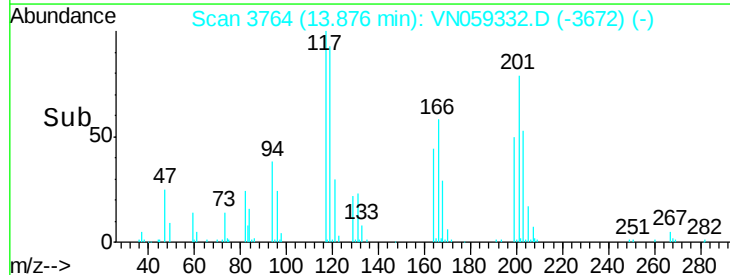
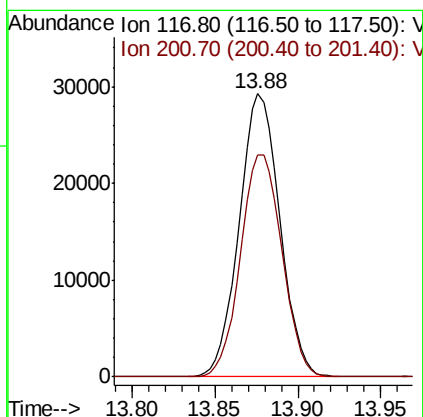
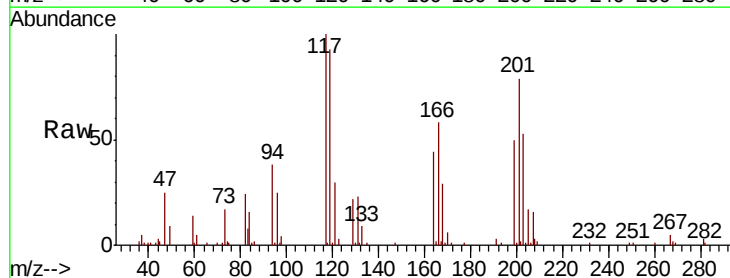
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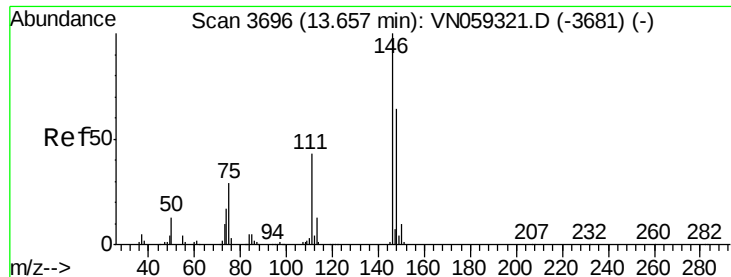
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#90
Hexachloroethane
Concen: 14.466 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059332.D
Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	40.4	121.2





#91

1,2-Dichlorobenzene

Concen: 14.552 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

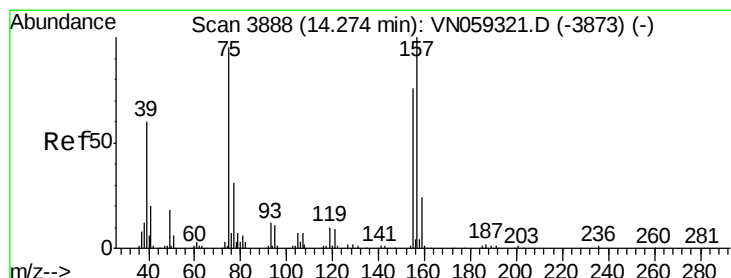
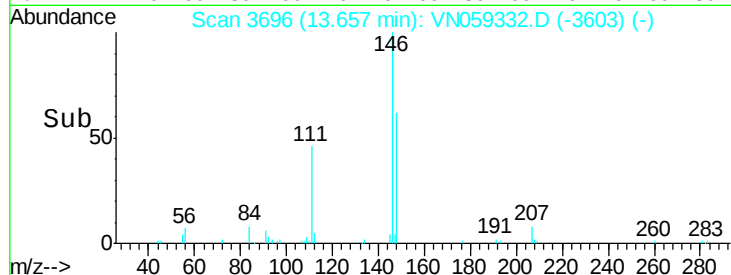
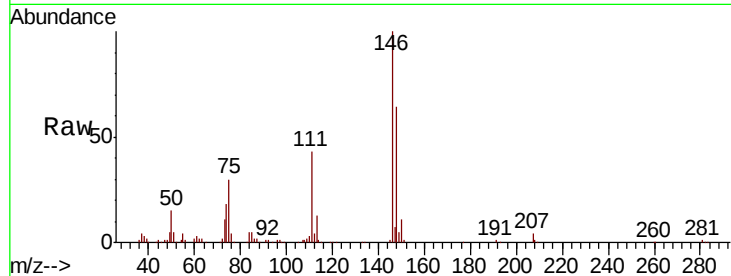
ClientSampleId :

VN1121MBS01

Tot Ion:	146	Resp:	130509
Ion Ratio	Lower	Upper	
146	100		
111	41.8	21.3	64.0
148	63.6	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 13.325 ug/l

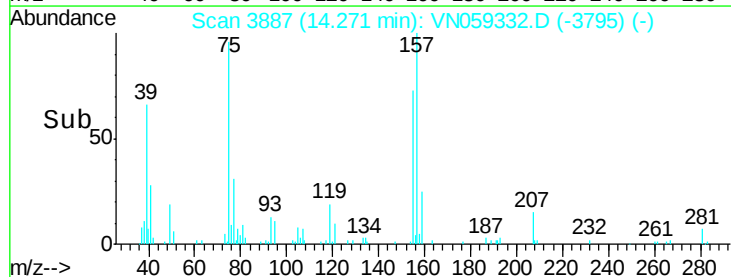
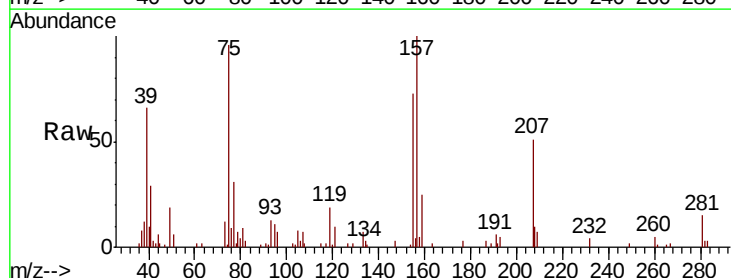
RT: 14.27 min Scan# 3887

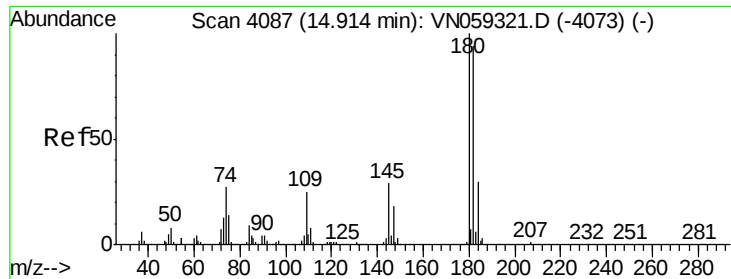
Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Tgt Ion:	75	Resp:	20110
Ion Ratio	Lower	Upper	
75	100		
155	80.7	40.5	121.5
157	104.4	52.7	158.1





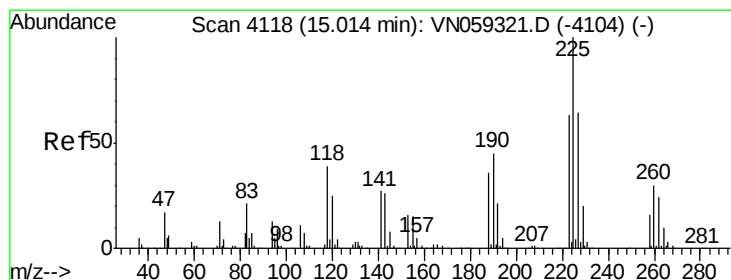
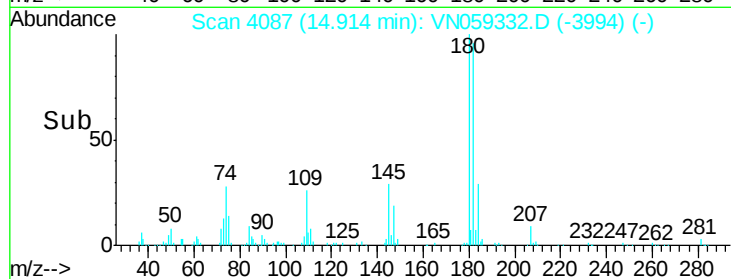
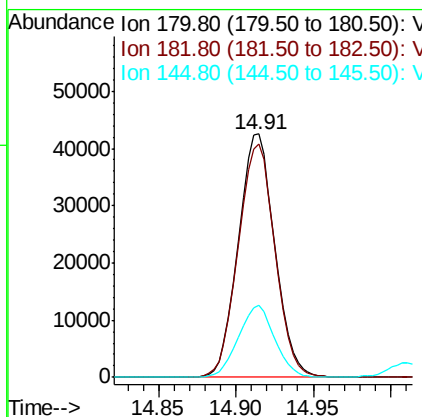
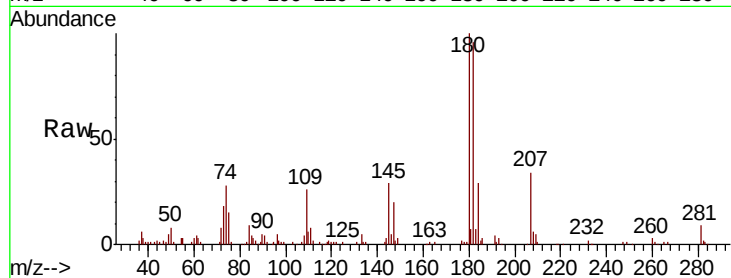
#93
 1,2,4-Trichlorobenzene
 Concen: 14.709 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69756		
182	96.5	47.2	141.6	
145	29.5	14.9	44.5	

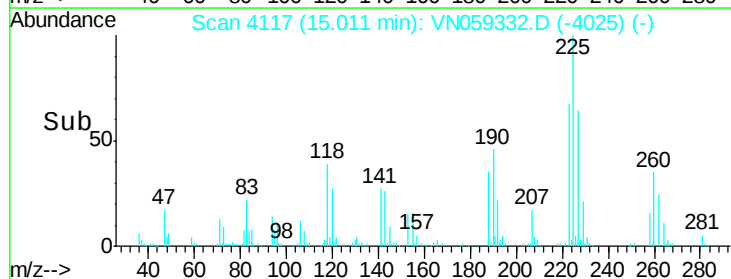
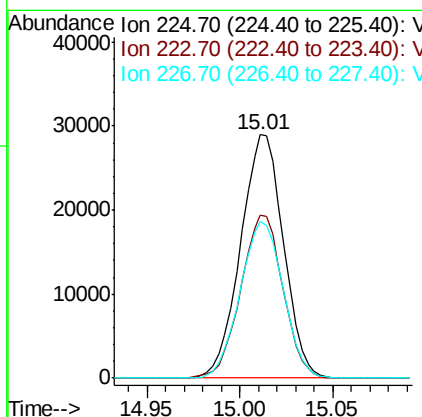
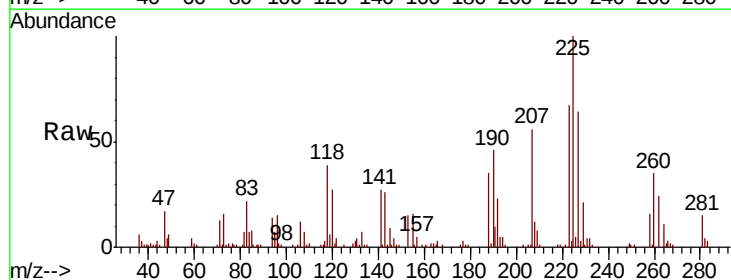
Manual Integrations
 APPROVED

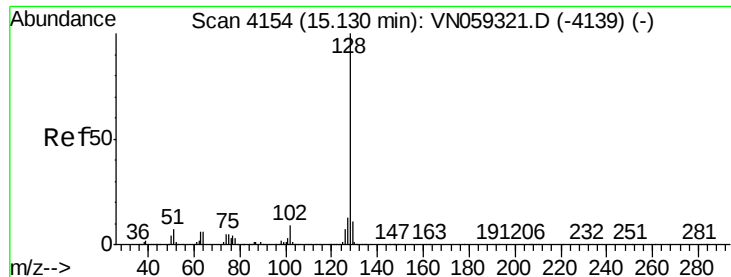
MMDadoda
 11/22/2019 3:12:04 PM



#94
 Hexachlorobutadiene
 Concen: 14.354 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059332.D
 Acq: 21 Nov 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46381		
223	65.8	31.6	94.8	
227	64.9	32.6	97.7	





#95

Naphthalene

Concen: 14.817 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Instrument :

MSVOA_N

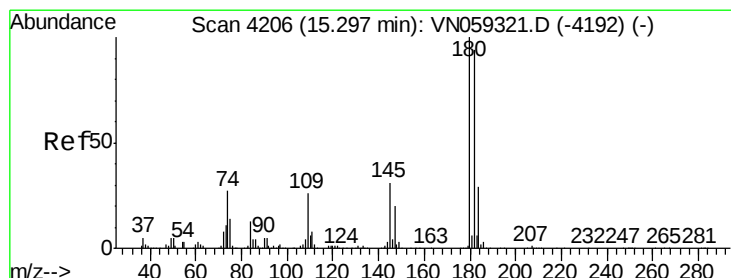
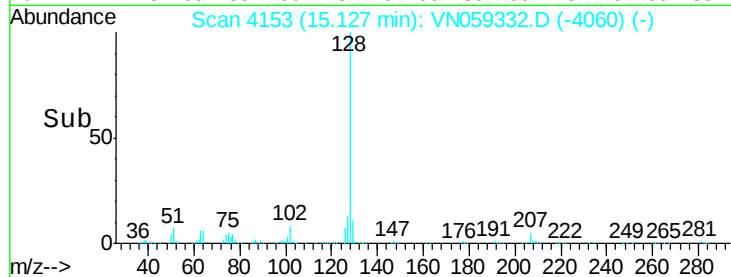
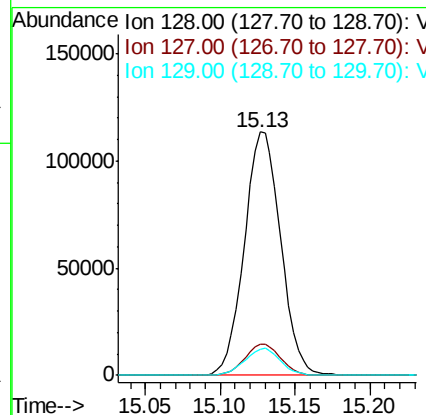
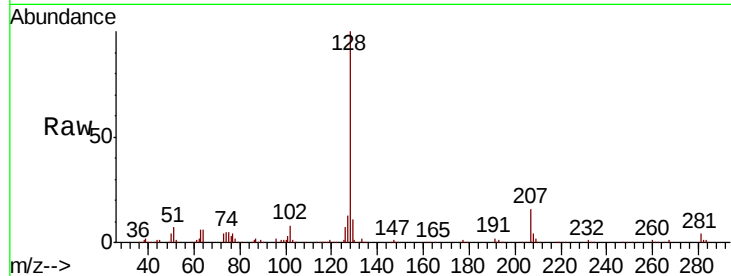
ClientSampleId :

VN1121MBS01

Tot Ion:	128	Resp:	192082
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:12:04 PM



#96

1,2,3-Trichlorobenzene

Concen: 14.848 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059332.D

Acq: 21 Nov 2019 14:01

Tgt Ion:	180	Resp:	73681
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.1	141.4
145	30.8	15.6	46.8

