

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061120\
 Data File : VN061768.D
 Acq On : 12 Jun 2020 4:54
 Operator : JC/MD
 Sample : VN0611WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/12/2020 5:46:35 PM

Quant Time: Jun 12 08:53:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	253415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	433797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	405085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	188461	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	164411	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
35) Dibromofluoromethane	7.54	113	133486	60.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.32%	
50) Toluene-d8	10.06	98	499015	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.37	95	174596	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	43754	15.759	ug/l	99
3) Chloromethane	2.03	50	60554	19.591	ug/l	100
4) Vinyl Chloride	2.16	62	70923	16.745	ug/l	99
5) Bromomethane	2.54	94	53057	21.830	ug/l	98
6) Chloroethane	2.67	64	51414	18.858	ug/l	99
7) Trichlorofluoromethane	2.98	101	100644	18.426	ug/l	99
8) Diethyl Ether	3.37	74	37452	22.424	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	41095	16.955	ug/l	96
10) Methyl Iodide	3.91	142	73857	21.951	ug/l	99
11) Tert butyl alcohol	4.72	59	48150	119.896	ug/l	98
12) 1,1-Dichloroethene	3.69	96	44558	17.207	ug/l	90
13) Acrolein	3.56	56	11762	80.300	ug/l	96
14) Allyl chloride	4.27	41	61530	18.175	ug/l	97
15) Acrylonitrile	4.92	53	118628	105.829	ug/l	100
16) Acetone	3.77	43	94607	110.229	ug/l	94
17) Carbon Disulfide	4.00	76	104890	18.411	ug/l	100
18) Methyl Acetate	4.27	43	56664	20.731	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	190231	21.555	ug/l	98
20) Methylene Chloride	4.50	84	65058	22.759	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	56763	19.438	ug/l	94
22) Diisopropyl ether	5.89	45	162100	21.725	ug/l	97
23) Vinyl Acetate	5.83	43	573285	96.401	ug/l	97
24) 1,1-Dichloroethane	5.79	63	100279	21.194	ug/l	99
25) 2-Butanone	6.78	43	136888	95.664	ug/l	94
26) 2,2-Dichloropropane	6.77	77	60086	13.875	ug/l	97
27) cis-1,2-Dichloroethene	6.77	96	74687	22.586	ug/l	92
28) Bromochloromethane	7.14	49	41625	22.672	ug/l	95
29) Tetrahydrofuran	7.16	42	88769	94.077	ug/l	95
30) Chloroform	7.32	83	115333	22.034	ug/l	100
31) Cyclohexane	7.61	56	60706	14.266	ug/l	# 95
32) 1,1,1-Trichloroethane	7.52	97	90934	19.065	ug/l	99
36) 1,1-Dichloropropene	7.75	75	64876	16.894	ug/l	98
37) Ethyl Acetate	6.88	43	57637	18.634	ug/l	96
38) Carbon Tetrachloride	7.73	117	67063	18.105	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	61758	13.047	ug/l	99
40) Benzene	8.00	78	241781	20.405	ug/l	100
41) Methacrylonitrile	7.12	41	31031	21.897	ug/l #	85
42) 1,2-Dichloroethane	8.08	62	86615	21.835	ug/l	99
43) Isopropyl Acetate	8.12	43	101951	18.321	ug/l	96
44) Trichloroethene	8.80	130	69205	19.005	ug/l	94
45) 1,2-Dichloropropane	9.08	63	60648	21.556	ug/l	96
46) Dibromomethane	9.17	93	46984	21.773	ug/l	95
47) Bromodichloromethane	9.36	83	96051	22.467	ug/l	99
48) Methyl methacrylate	9.16	41	45118	18.021	ug/l	98
49) 1,4-Dioxane	9.16	88	25205	649.847	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	296219	94.461	ug/l	98
52) Toluene	10.12	92	152033	19.659	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	90137	19.572	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	99005	19.993	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	69488	22.553	ug/l	95
56) Ethyl methacrylate	10.40	69	84209	19.565	ug/l	98
57) 1,3-Dichloropropane	10.68	76	107310	21.776	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	148643	80.815	ug/l	98
59) 2-Hexanone	10.72	43	204462	90.787	ug/l	97
60) Dibromochloromethane	10.87	129	77868	22.230	ug/l	100
61) 1,2-Dibromoethane	10.98	107	69735	21.701	ug/l	100
64) Tetrachloroethene	10.60	164	68927	18.076	ug/l	97
65) Chlorobenzene	11.40	112	170286	20.223	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	67929	21.666	ug/l	99
67) Ethyl Benzene	11.48	91	265988	18.277	ug/l	99
68) m/p-Xylenes	11.59	106	211366	36.629	ug/l	98
69) o-Xylene	11.92	106	101253	18.474	ug/l	100
70) Styrene	11.94	104	175282	19.312	ug/l	98
71) Bromoform	12.10	173	52273	21.637	ug/l #	99
73) Isopropylbenzene	12.22	105	251156	18.259	ug/l	100
74) N-amyl acetate	12.04	43	80187	18.511	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.48	83	82956	21.521	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	76108m	22.209	ug/l	
77) Bromobenzene	12.50	156	77691	22.127	ug/l	96
78) n-propylbenzene	12.56	91	269393	17.543	ug/l	100
79) 2-Chlorotoluene	12.65	91	173662	18.966	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	210999	18.353	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	22931	17.112	ug/l	98
82) 4-Chlorotoluene	12.75	91	178182	18.498	ug/l	98
83) tert-Butylbenzene	12.97	119	169130	16.650	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	214033	18.740	ug/l	99
85) sec-Butylbenzene	13.15	105	217826	16.641	ug/l	98
86) p-Isopropyltoluene	13.26	119	201329	16.702	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	126551	20.354	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	128707	20.320	ug/l	98
89) n-Butylbenzene	13.59	91	154465	15.299	ug/l	99
90) Hexachloroethane	13.85	117	31013	23.264	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	125952	21.198	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	14238	18.112	ug/l	97

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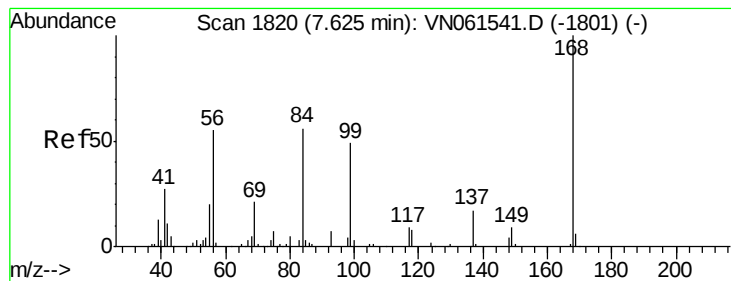
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	67386	19.392	ug/l	99
94) Hexachlorobutadiene	14.98	225	25619	17.286	ug/l	98
95) Naphthalene	15.10	128	199374	18.850	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	68816	20.141	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

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Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBSD02

Tot Ion:168 Resp: 253415

Ion Ratio Lower Upper

168 100

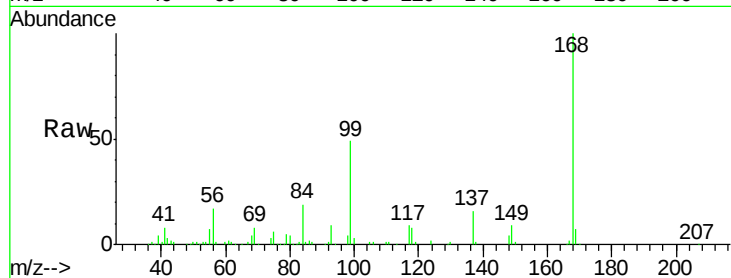
99 48.9 45.0 67.4

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

7.62

120000

100000

80000

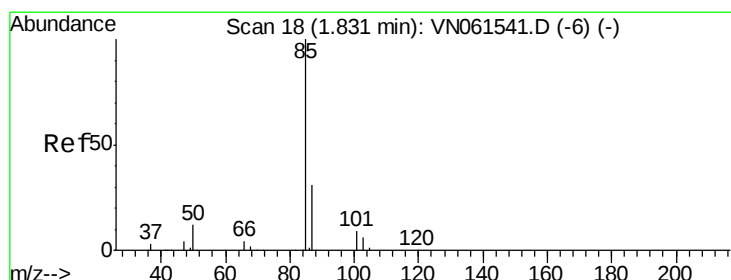
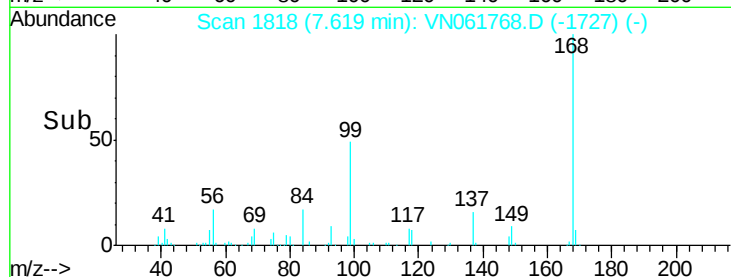
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.759 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061768.D

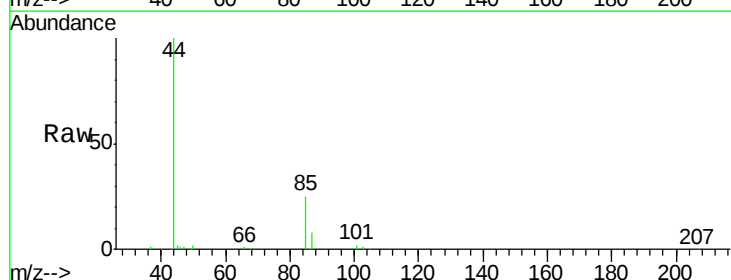
Acq: 12 Jun 2020 4:54

Tgt Ion: 85 Resp: 43754

Ion Ratio Lower Upper

85 100

87 31.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

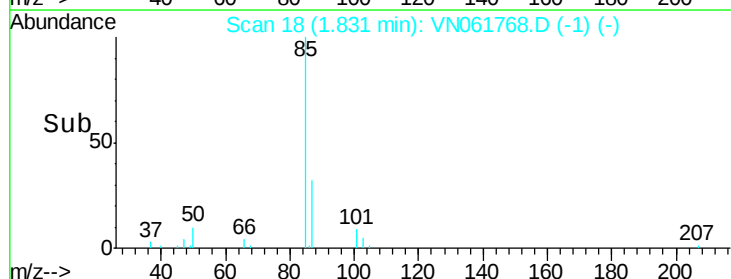
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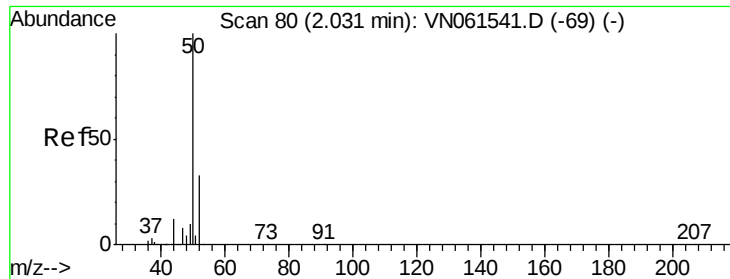
20000

10000

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Time-->





#3

Chloromethane

Concen: 19.591 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBSD02

Tot Ion: 50 Resp: 60554

Ion Ratio Lower Upper

50 100

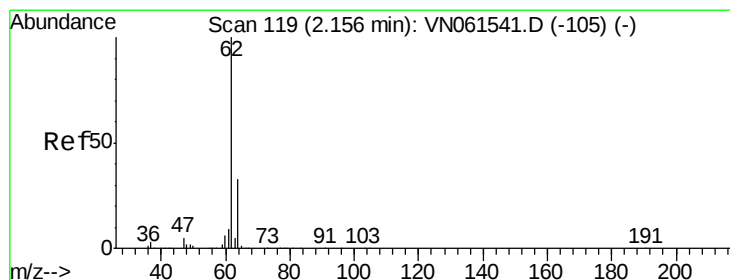
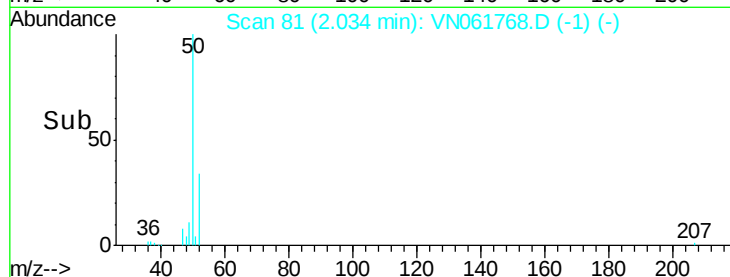
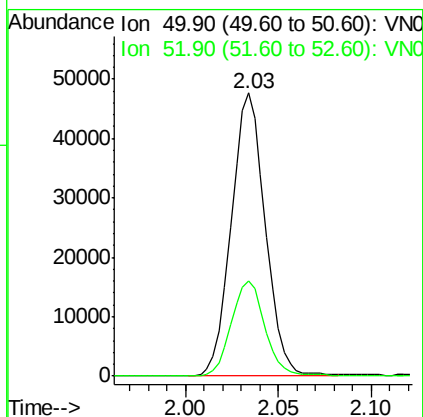
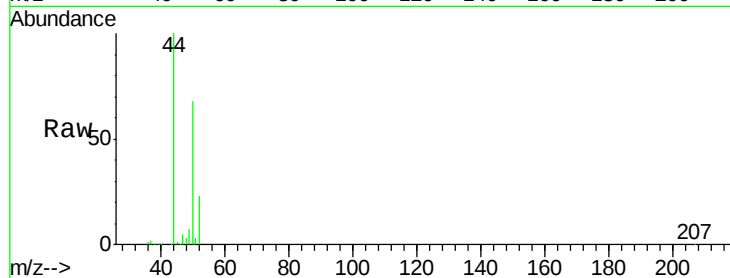
52 33.7 26.7 40.1

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#4

Vinyl Chloride

Concen: 16.745 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061768.D

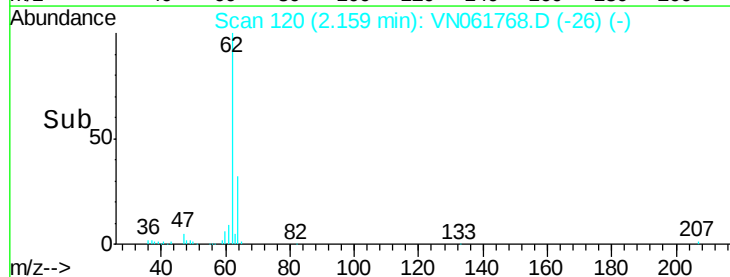
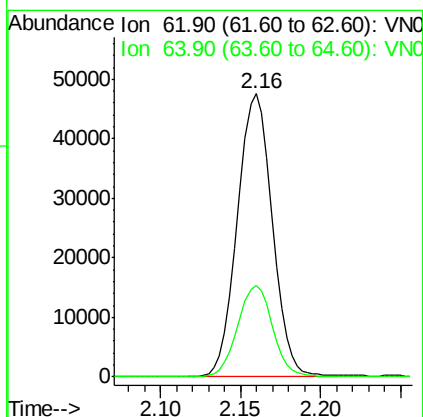
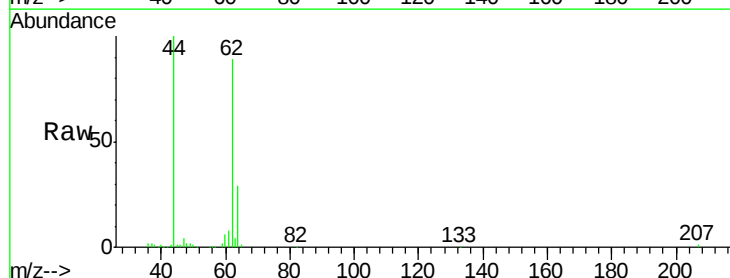
Acq: 12 Jun 2020 4:54

Tgt Ion: 62 Resp: 70923

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.2





#5

Bromomethane

Concen: 21.830 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBSD02

Tot Ion: 94 Resp: 53057

Ion Ratio Lower Upper

94 100

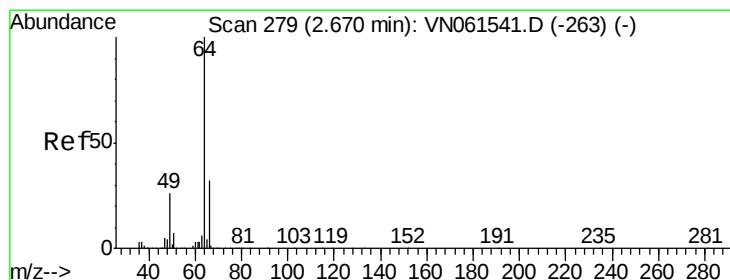
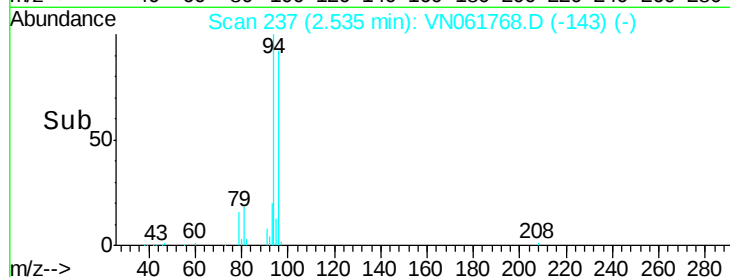
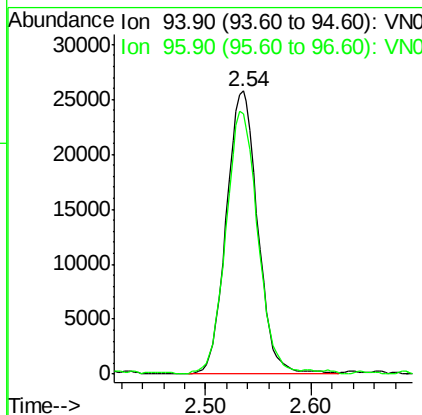
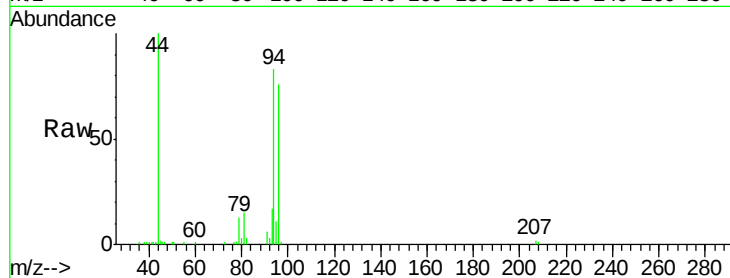
96 92.0 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 18.858 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061768.D

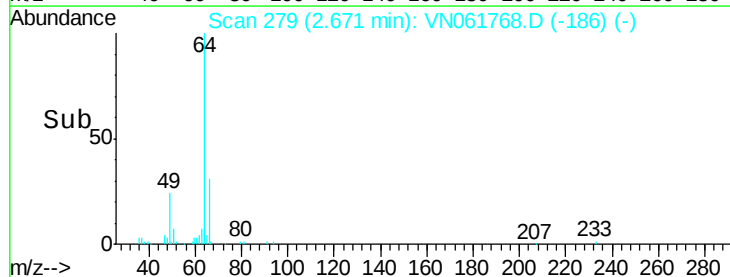
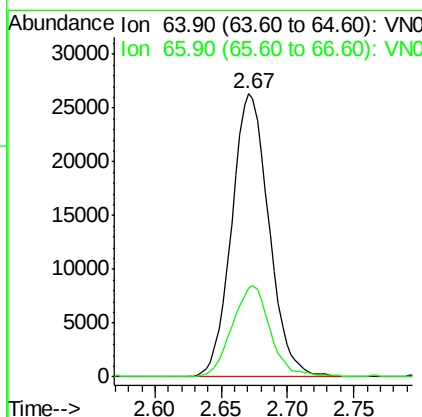
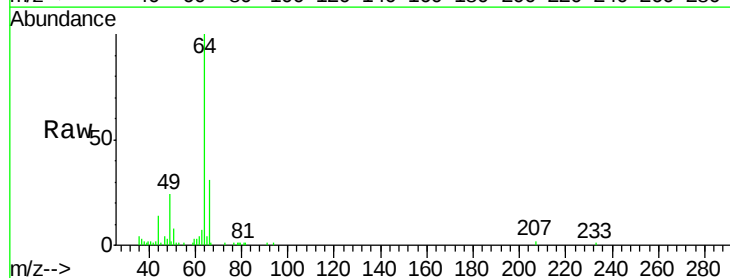
Acq: 12 Jun 2020 4:54

Tgt Ion: 64 Resp: 51414

Ion Ratio Lower Upper

64 100

66 31.3 25.6 38.4





#7

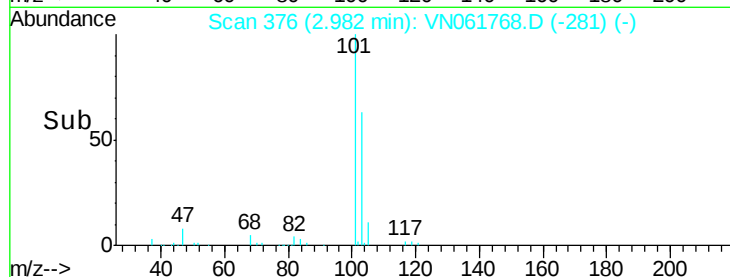
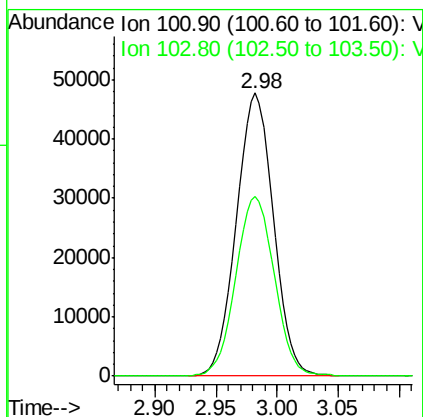
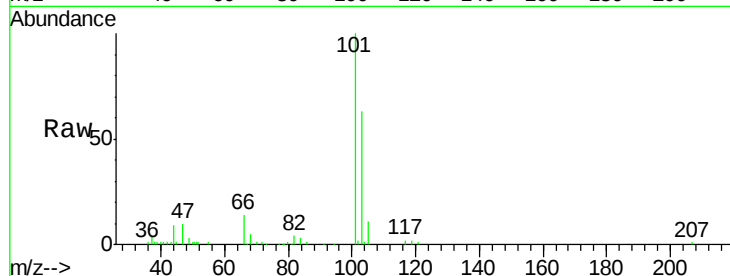
Trichlorofluoromethane
 Concen: 18.426 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.01 min
 Lab File: VN061768.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		100644		
103	63.5	51.4	77.2		

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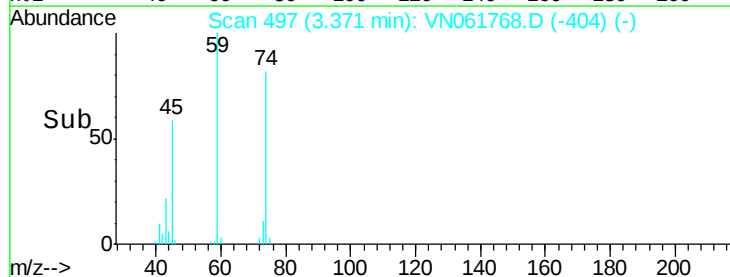
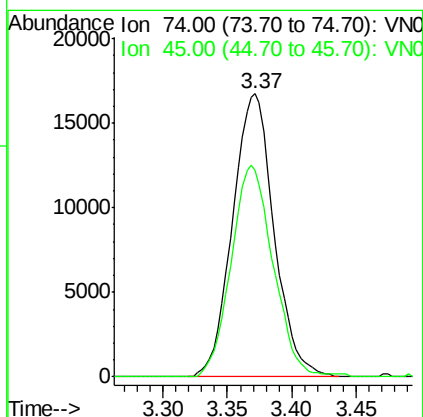
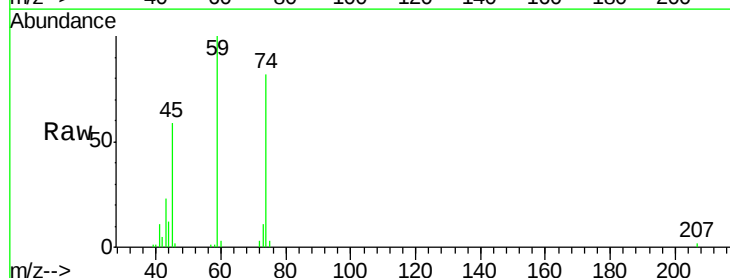
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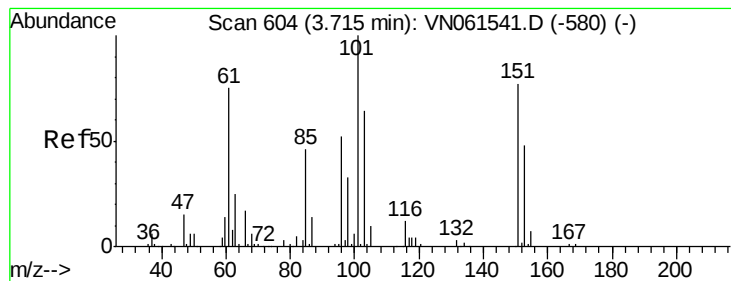


#8

Diethyl Ether
 Concen: 22.424 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		37452		
45	75.4	39.9	119.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.955 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

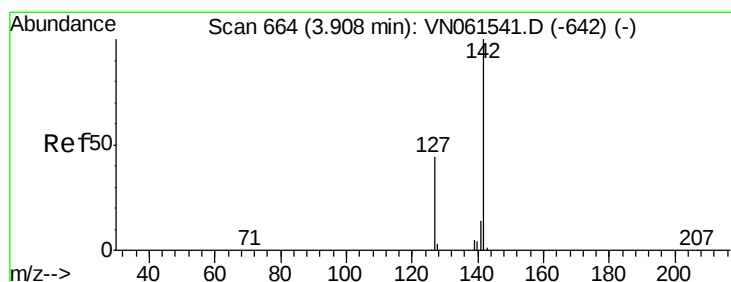
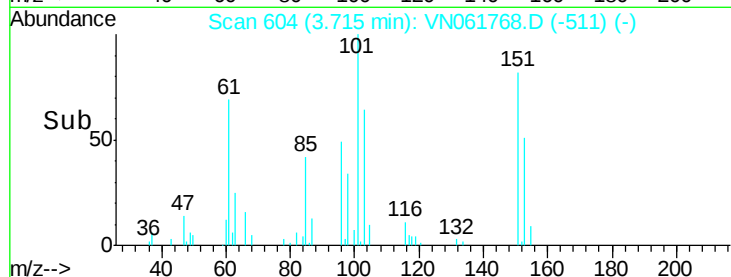
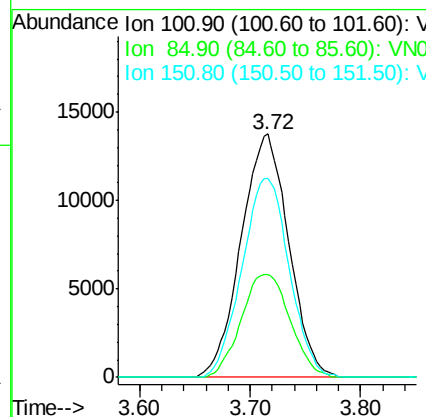
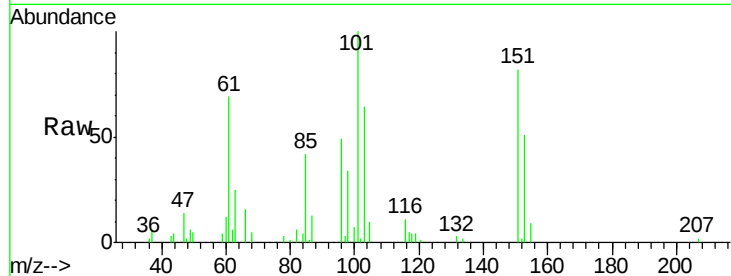
ClientSampleId :

VN0611WBSD02

Tot Ion:	101	Resp:	41095
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.2	52.8
151	81.3	61.0	91.6

Manual Integrations
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#10

Methyl Iodide

Concen: 21.951 ug/l

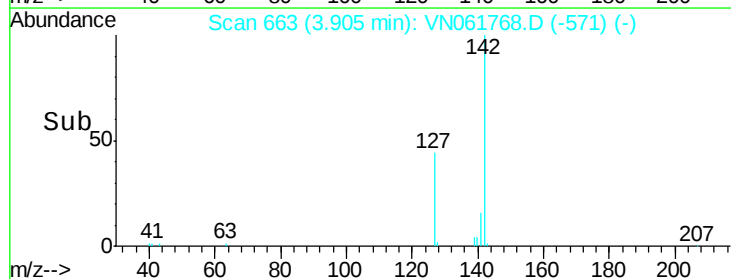
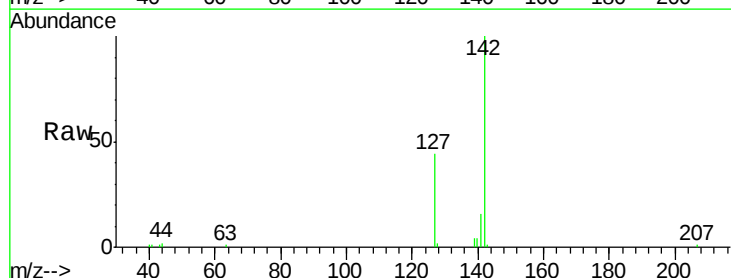
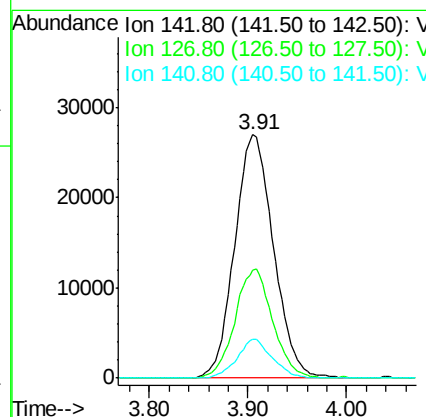
RT: 3.91 min Scan# 663

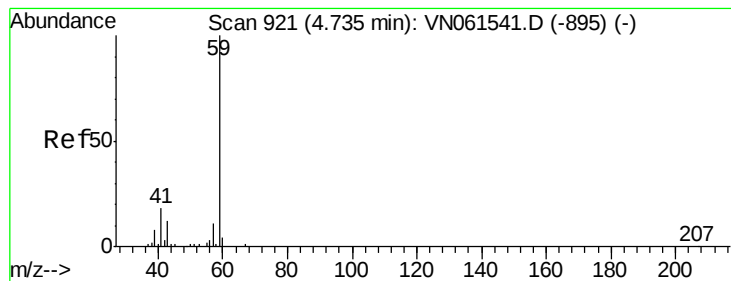
Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Tgt Ion:	142	Resp:	73857
Ion Ratio	Lower	Upper	
142	100		
127	43.3	35.5	53.3
141	14.3	11.5	17.3





#11

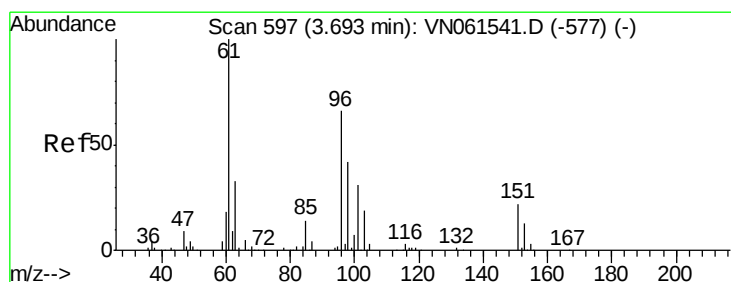
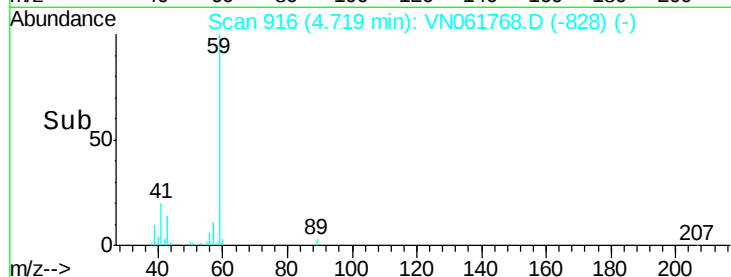
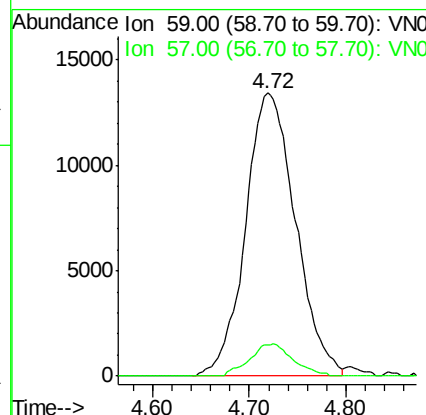
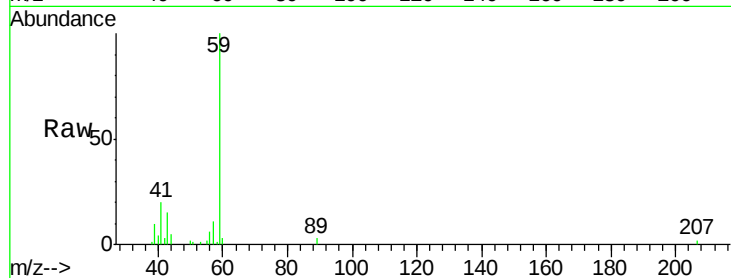
Tert butyl alcohol
Concen: 119.896 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.02 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	48150		
57	9.9		8.4	12.6

Manual Integrations
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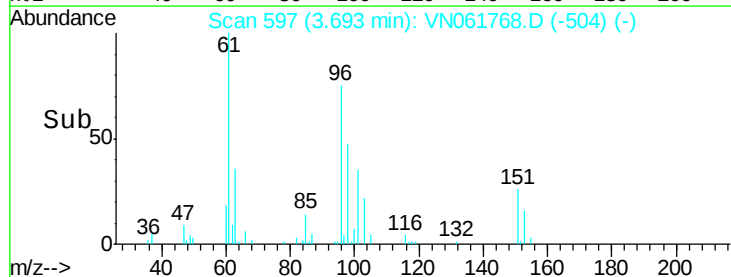
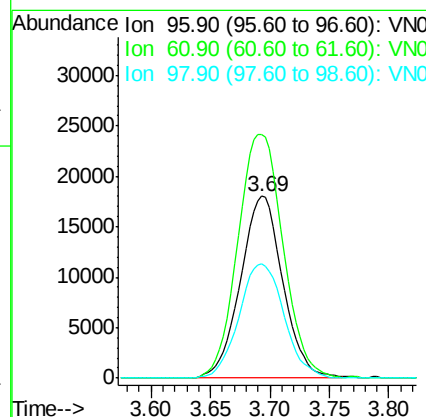
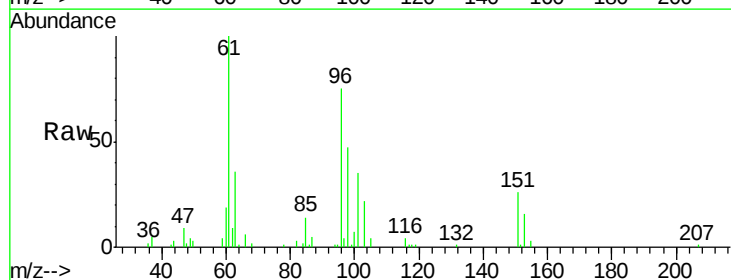
MMDadoda
6/12/2020 5:46:35 PM

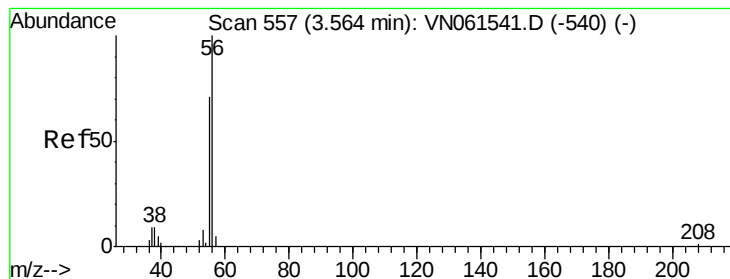


#12

1,1-Dichloroethene
Concen: 17.207 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	44558		
61	133.9		120.5	180.7
98	62.7		50.8	76.2





#13

Acrolein

Concen: 80.300 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBSD02

Tot Ion: 56 Resp: 11762

Ion Ratio Lower Upper

56 100

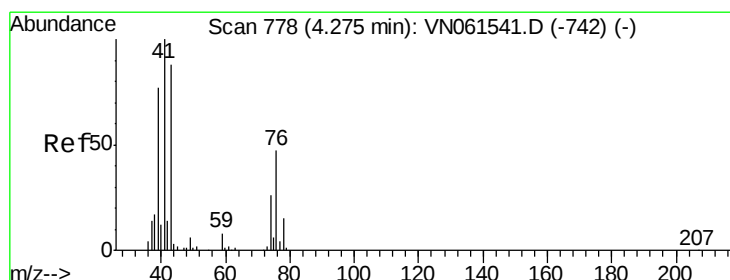
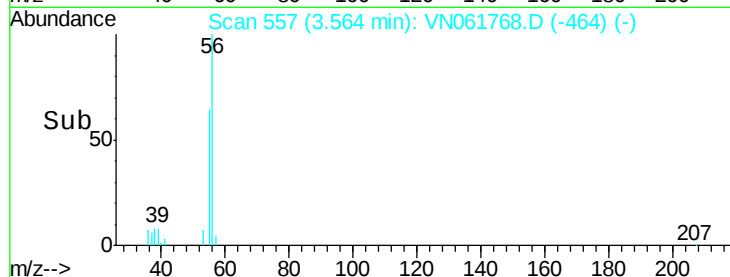
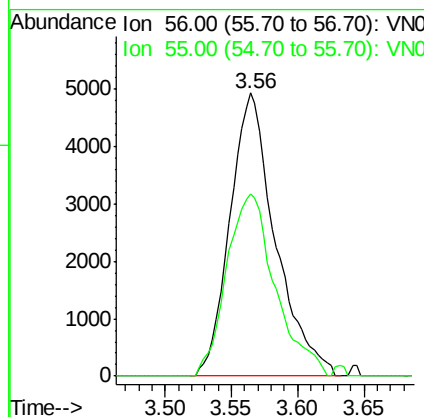
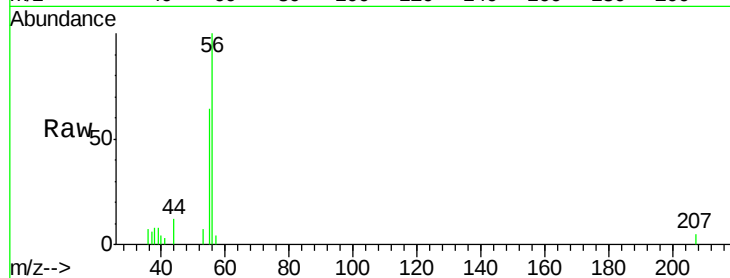
55 68.8 58.0 87.0

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 18.175 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

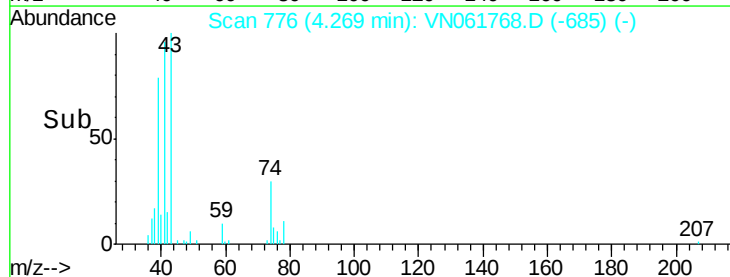
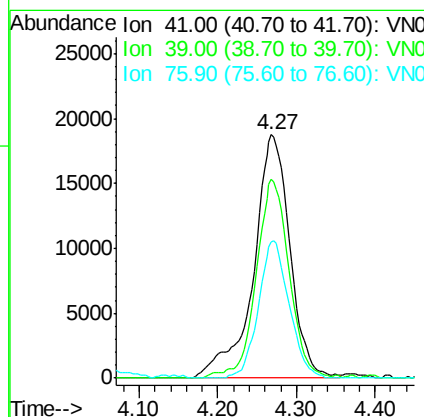
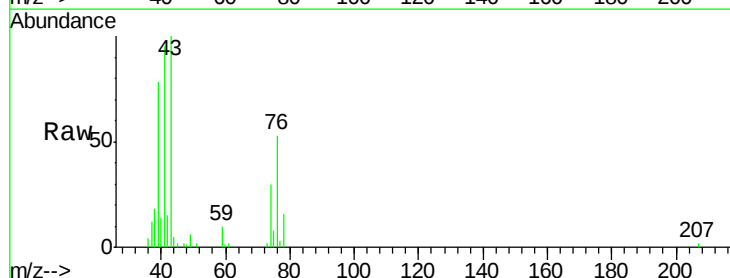
Tgt Ion: 41 Resp: 61530

Ion Ratio Lower Upper

41 100

39 73.6 58.6 88.0

76 47.5 34.2 51.4





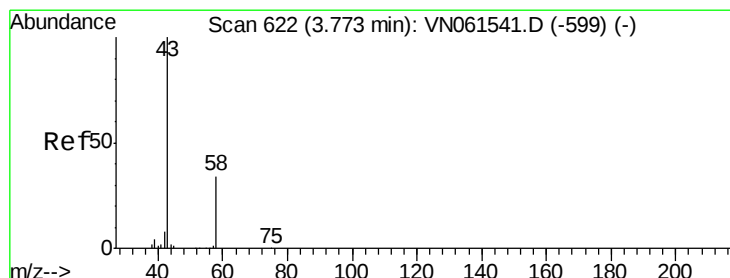
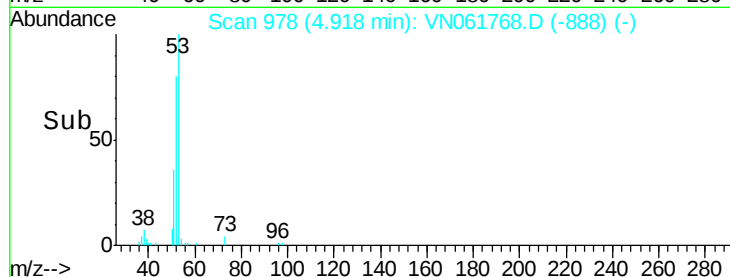
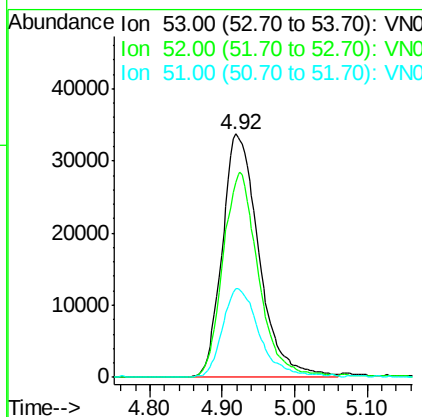
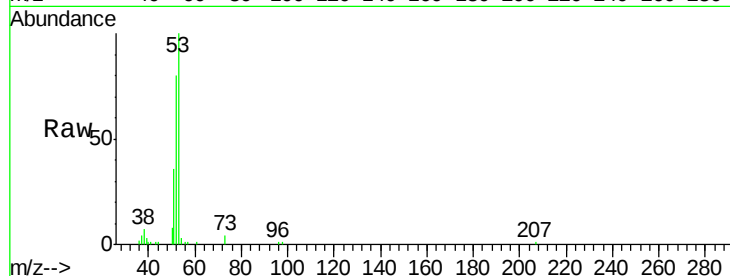
#15
 Acrylonitrile
 Concen: 105.829 ug/l
 RT: 4.92 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBSD02

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.4	98.2
51	36.9	29.0	43.6

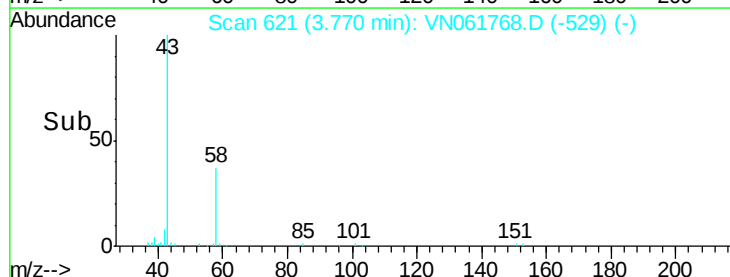
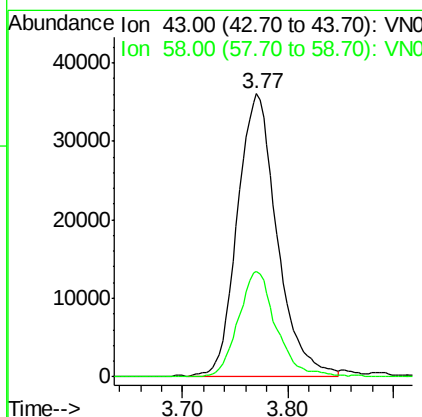
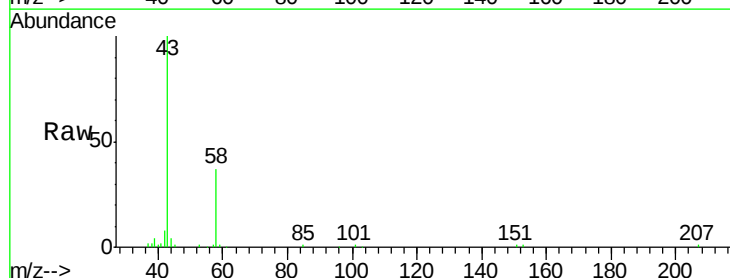
Manual Integrations
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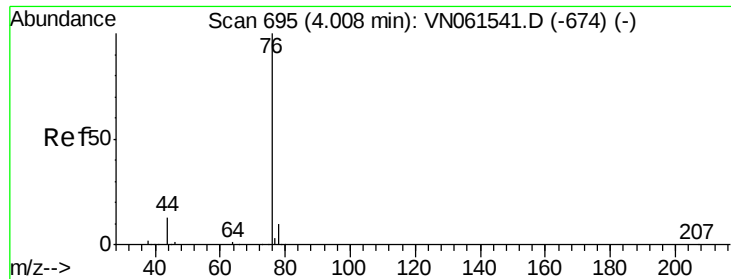
MMDadoda
 6/12/2020 5:46:35 PM



#16
 Acetone
 Concen: 110.229 ug/l
 RT: 3.77 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.5	27.2	40.8





#17

Carbon Disulfide

Concen: 18.411 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBSD02

Tot Ion: 76 Resp: 104890

Ion Ratio Lower Upper

76 100

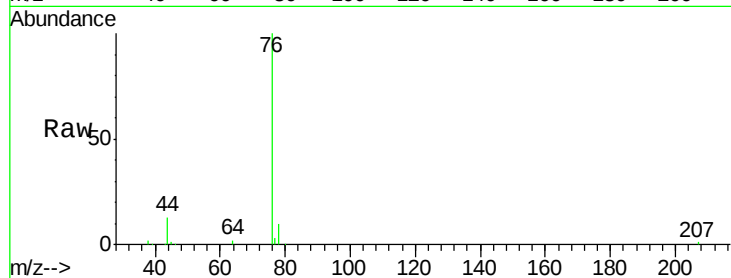
78 9.9 7.8 11.6

Manual Integrations

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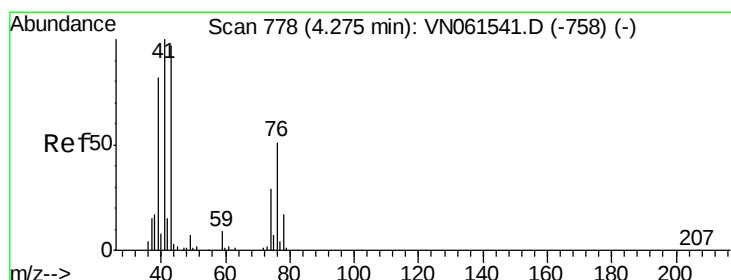
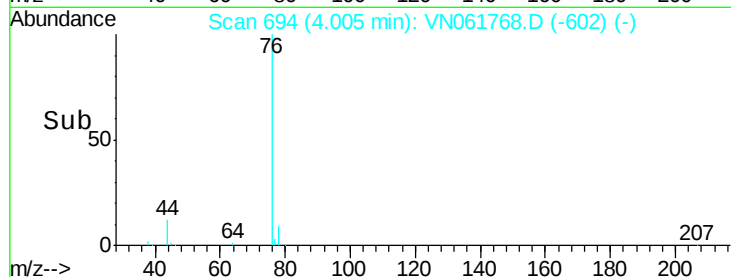
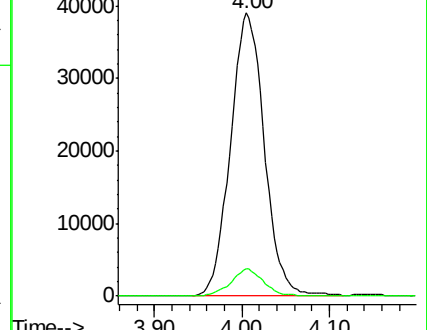
MMDadoda

6/12/2020 5:46:35 PM



Abundance Ion 75.90 (75.60 to 76.60): VN061541.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN061541.D (-674) (-)



#18

Methyl Acetate

Concen: 20.731 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061768.D

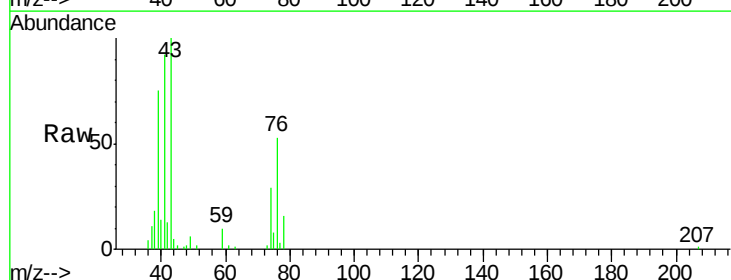
Acq: 12 Jun 2020 4:54

Tgt Ion: 43 Resp: 56664

Ion Ratio Lower Upper

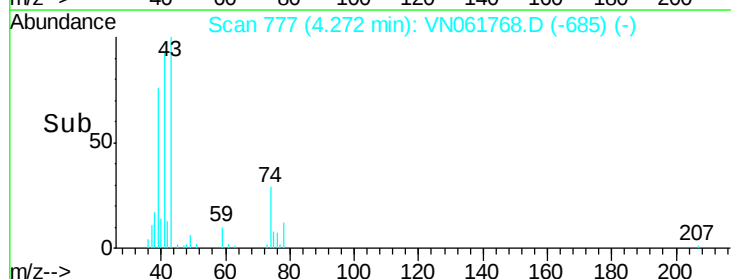
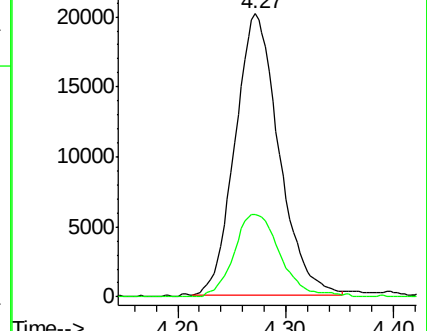
43 100

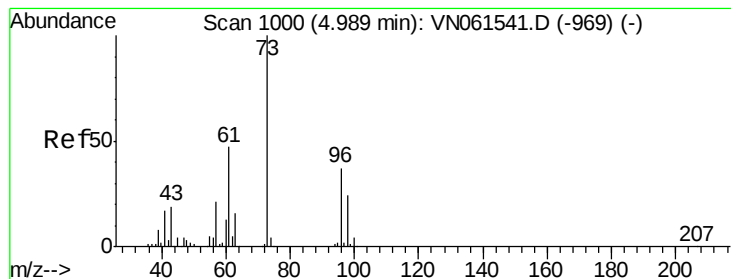
74 30.4 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN061541.D (-758) (-)





#19

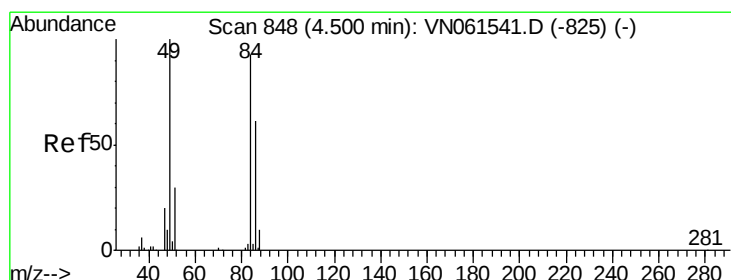
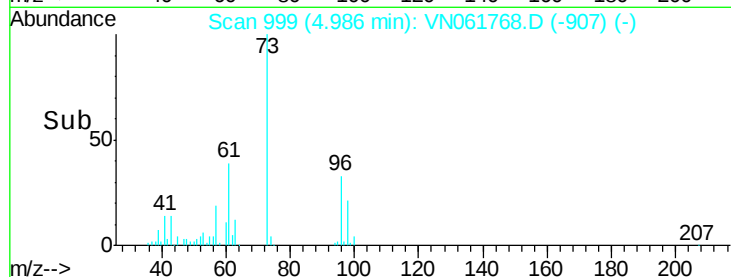
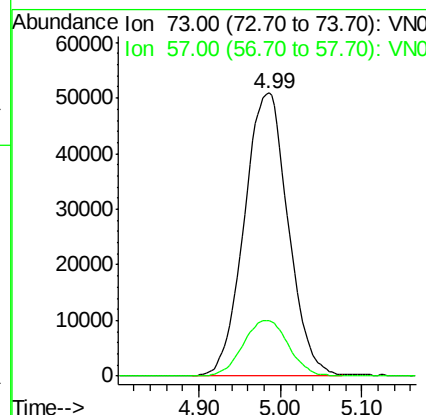
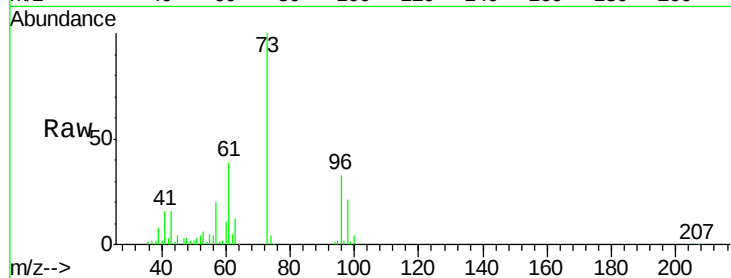
Methvl tert-butvl Ether
 Concen: 21.555 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBSD02

Tot Ion	73	Resp	190231
Ion Ratio	Lower	Upper	
73	100		
57	19.5	16.4	24.6

Manual Integrations
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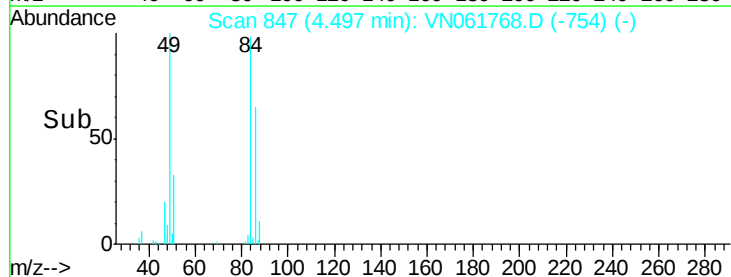
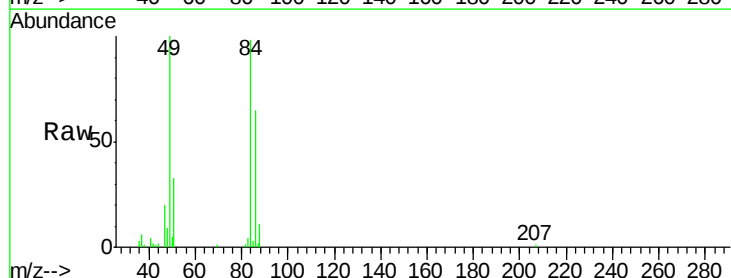
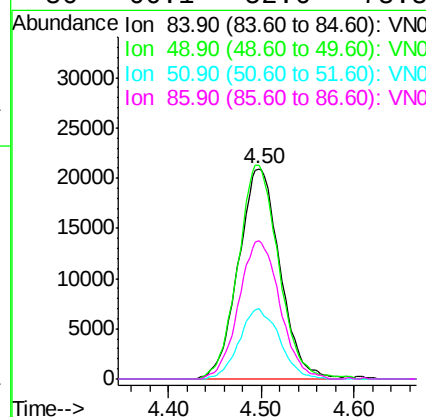
MMDadoda
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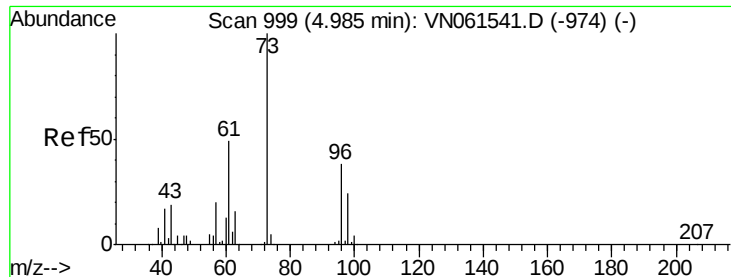


#20

Methylene Chloride
 Concen: 22.759 ug/l
 RT: 4.50 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Tgt Ion	84	Resp	65058
Ion Ratio	Lower	Upper	
84	100		
49	101.7	85.8	128.8
51	33.4	26.2	39.2
86	66.1	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 19.438 ug/l

RT: 4.98 min Scan# 996

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

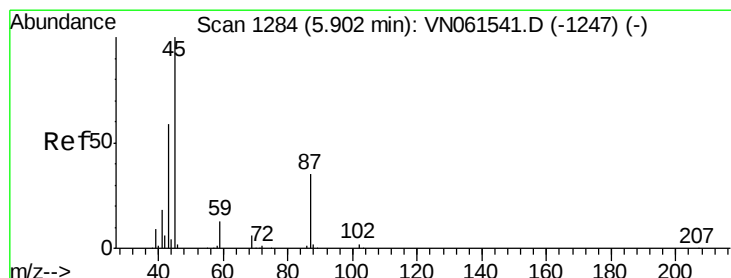
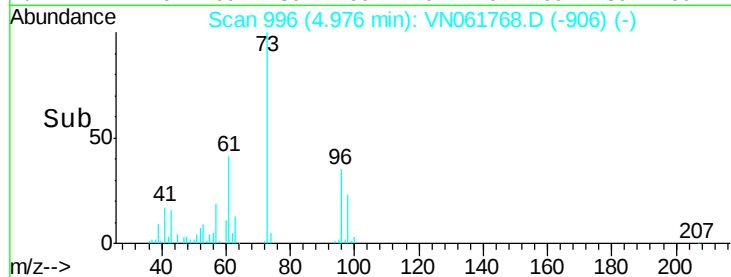
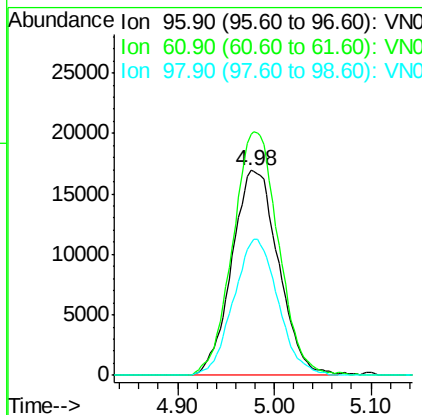
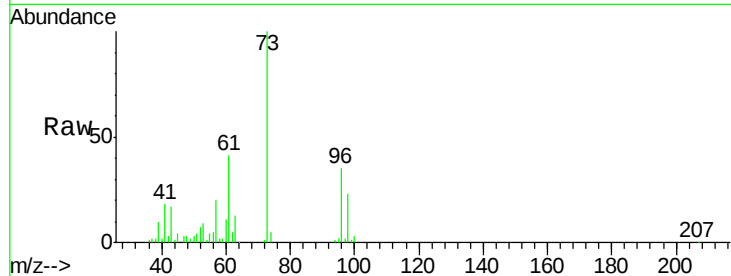
ClientSampleId :

VN0611WBSD02

Tot Ion:	96	Resp:	56763
Ion	Ratio	Lower	Upper
96	100		
61	117.7	101.4	152.0
98	64.6	50.6	76.0

Manual Integrations
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6/12/2020 5:46:35 PM



#22

Diisopropyl ether

Concen: 21.725 ug/l

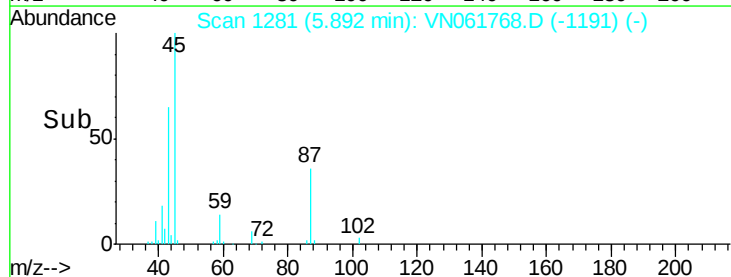
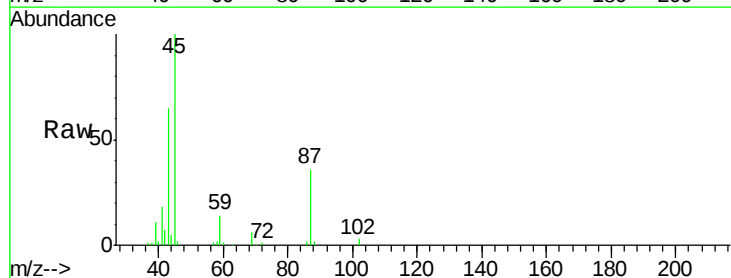
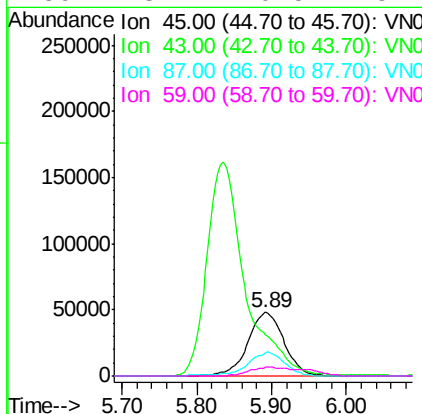
RT: 5.89 min Scan# 1281

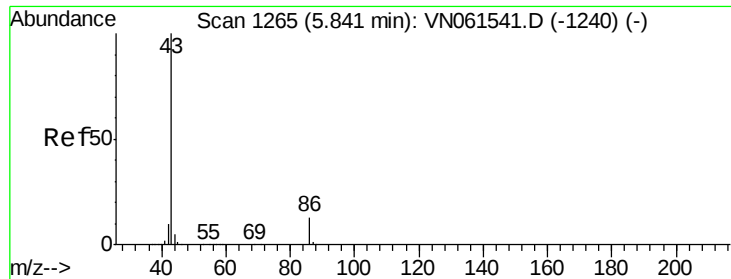
Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Tgt Ion:	45	Resp:	162100
Ion	Ratio	Lower	Upper
45	100		
43	63.0	47.9	71.9
87	36.1	28.4	42.6
59	13.4	10.5	15.7





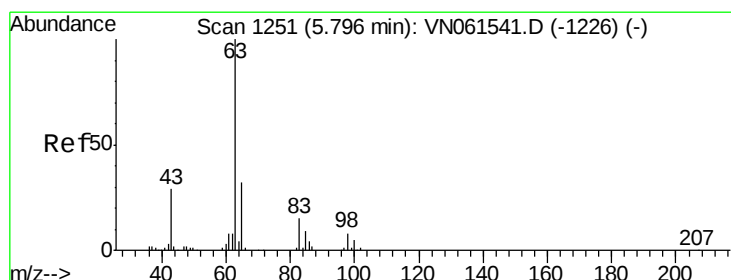
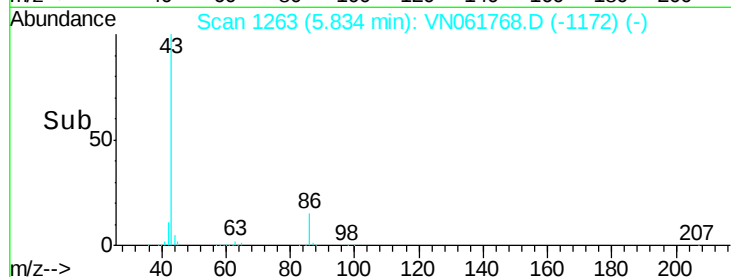
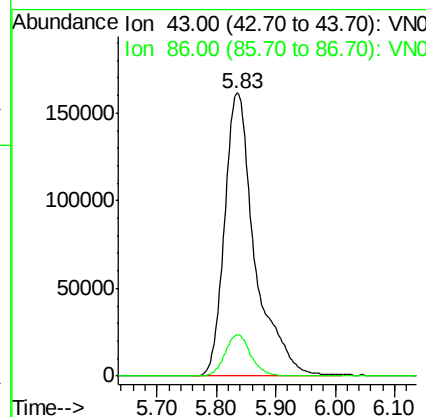
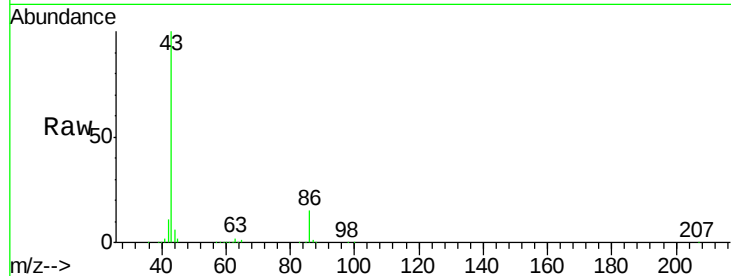
#23
 Vinyl Acetate
 Concen: 96.401 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBSD02

Tot Ion	43	Resp	573285
Ion Ratio	100	Lower	Upper
43	100		
86	14.5	10.6	16.0

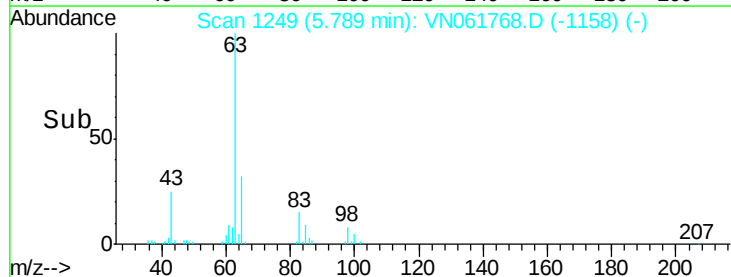
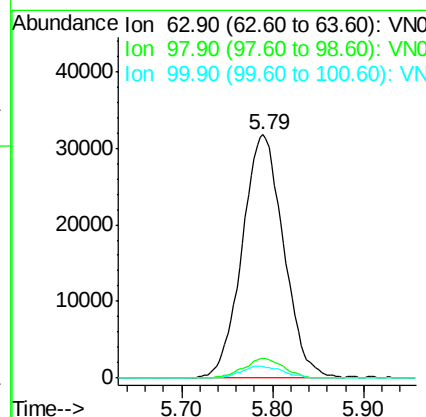
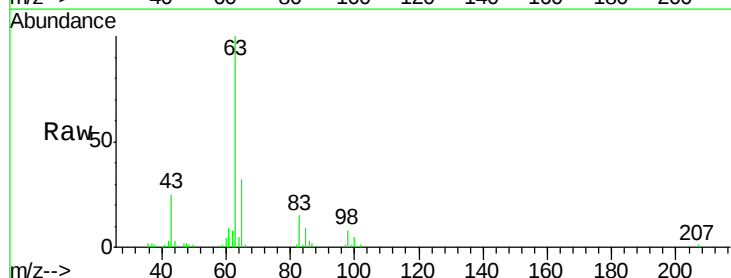
Manual Integrations
 APPROVED

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 6/12/2020 5:46:35 PM



#24
 1,1-Dichloroethane
 Concen: 21.194 ug/l
 RT: 5.79 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Tgt Ion	63	Resp	100279
Ion Ratio	100	Lower	Upper
63	100		
98	7.9	3.8	11.4
100	4.7	2.5	7.6





#25

2-Butanone

Concen: 95.664 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampled :

VN0611WBSD02

Tot Ion: 43 Resp: 136888

Ion Ratio Lower Upper

43 100

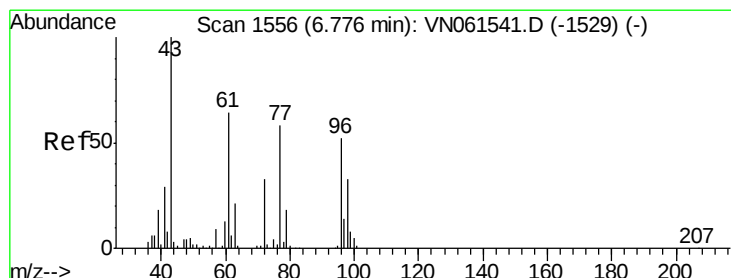
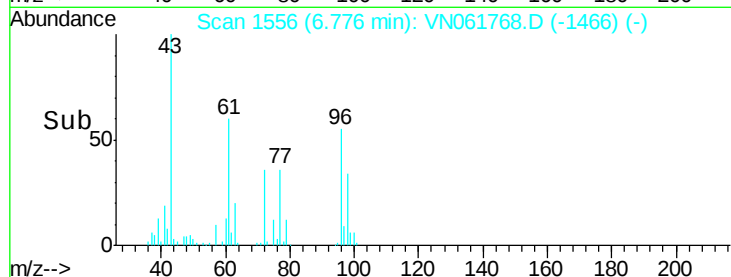
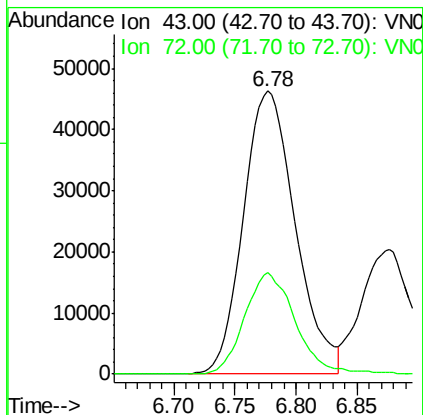
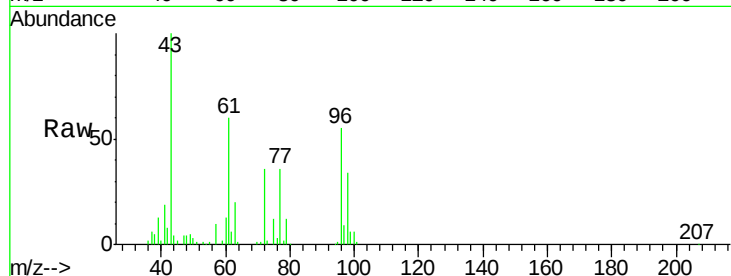
72 35.8 26.0 39.0

Manual Integrations

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6/12/2020 5:46:35 PM



#26

2,2-Dichloropropane

Concen: 13.875 ug/l

RT: 6.77 min Scan# 1553

Delta R.T. -0.01 min

Lab File: VN061768.D

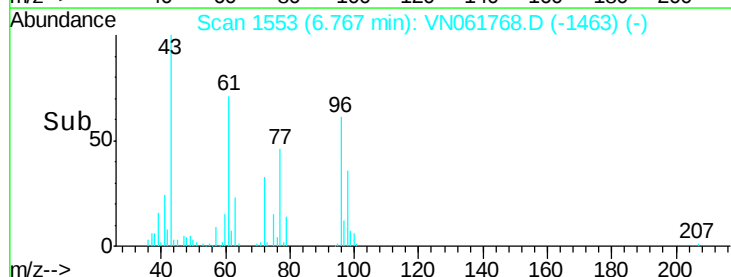
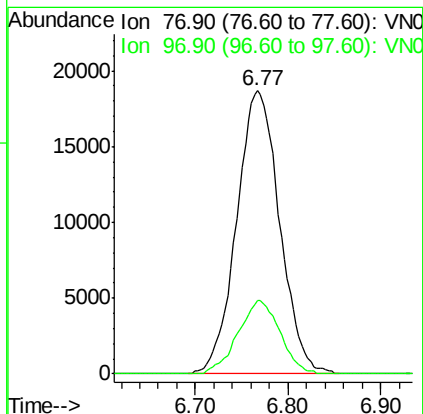
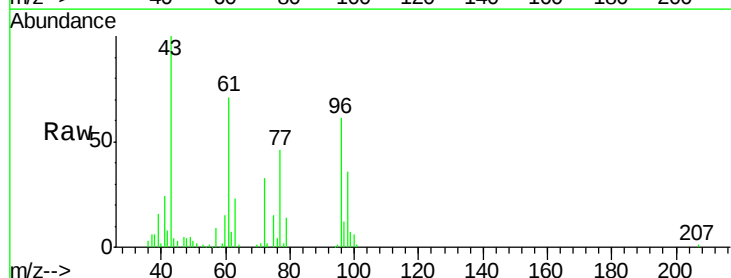
Acq: 12 Jun 2020 4:54

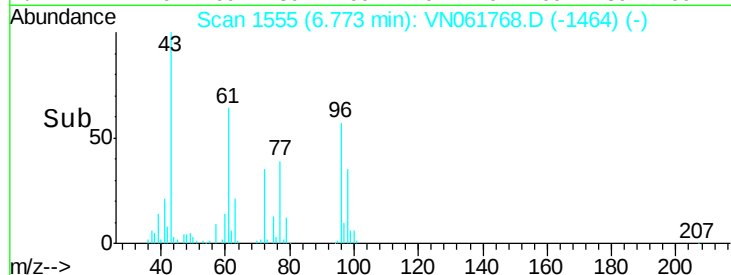
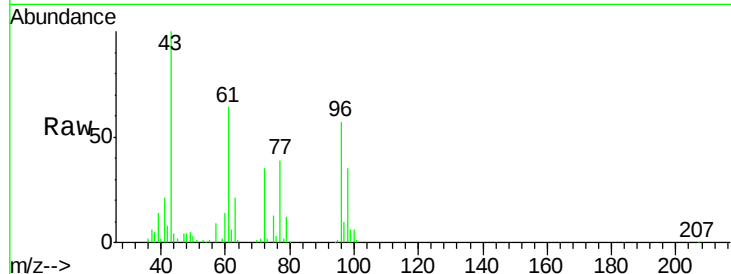
Tgt Ion: 77 Resp: 60086

Ion Ratio Lower Upper

77 100

97 25.3 12.0 36.0





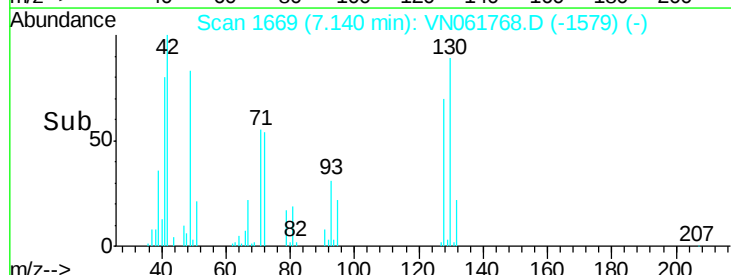
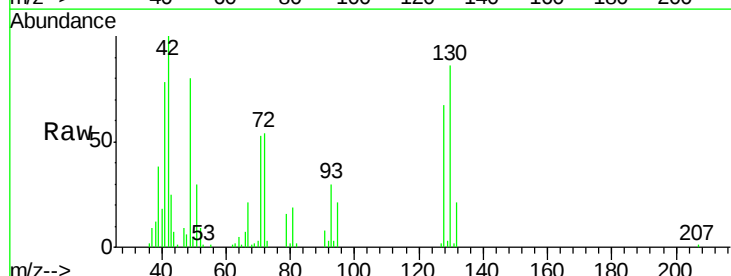
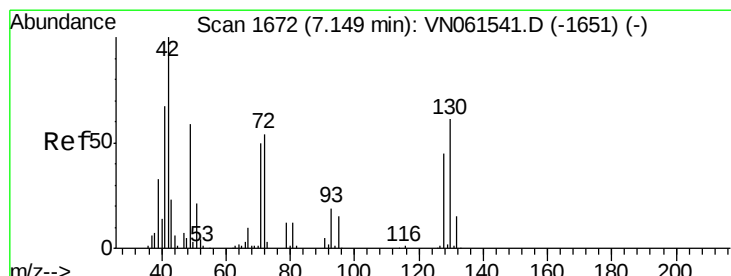
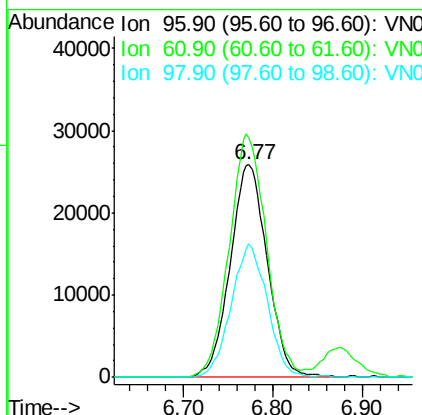
#27
 cis-1,2-Dichloroethene
 Concen: 22.586 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Tot Ion:	96	Resp:	74687
Ion	Ratio	Lower	Upper
96	100		
61	114.3	0.0	252.2
98	60.8	0.0	129.2

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBSD02

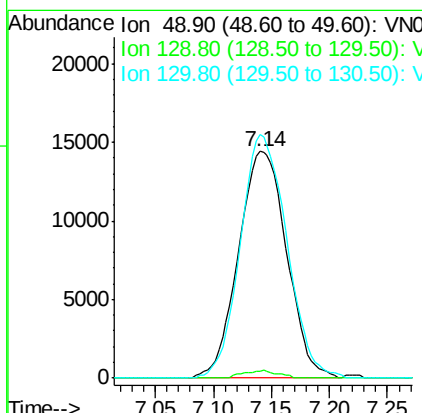
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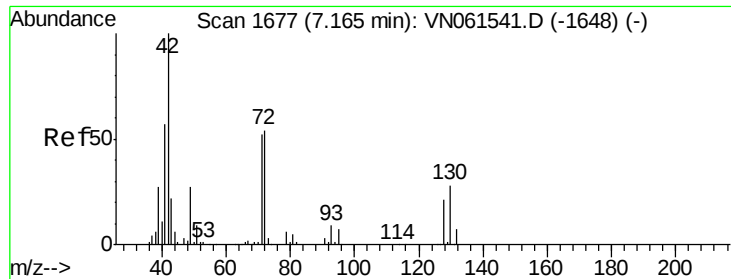
MMDadoda
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#28
 Bromochloromethane
 Concen: 22.672 ug/l
 RT: 7.14 min Scan# 1669
 Delta R.T. -0.01 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Tgt Ion:	49	Resp:	41625
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	103.8	78.8	118.2





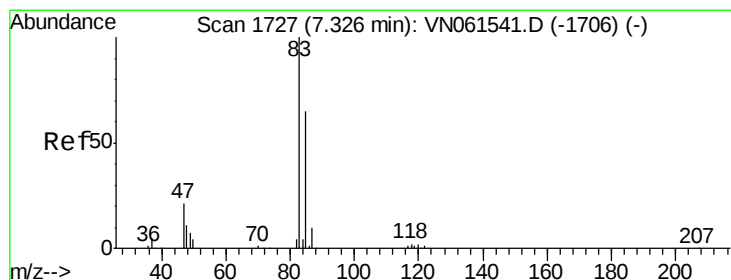
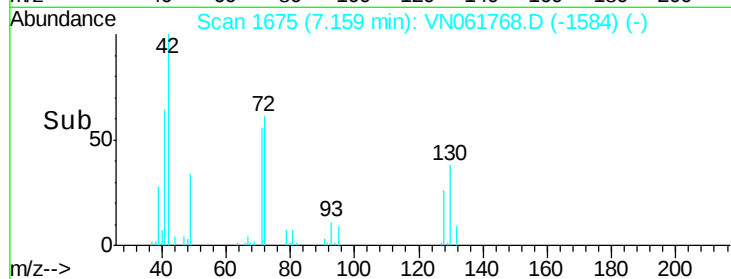
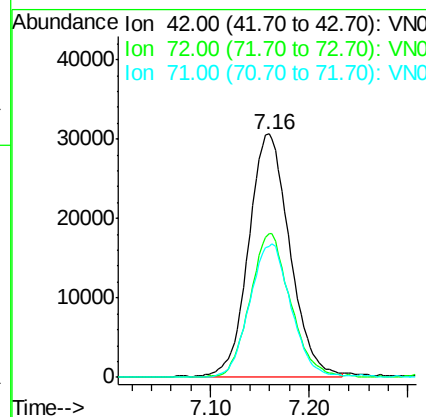
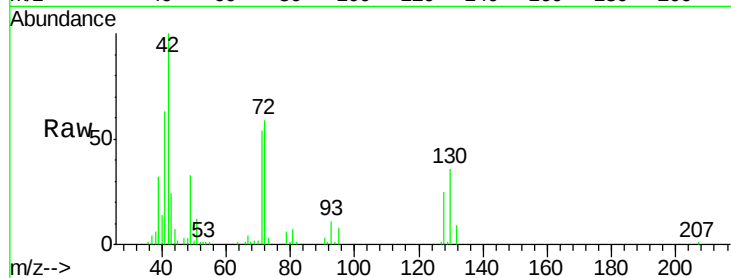
#29
Tetrahydrofuran
Concen: 94.077 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.8	43.6	65.4
71	54.9	41.2	61.8

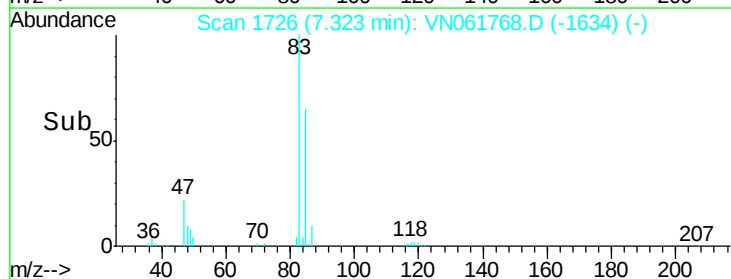
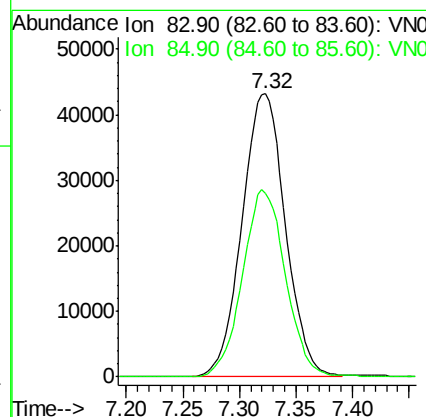
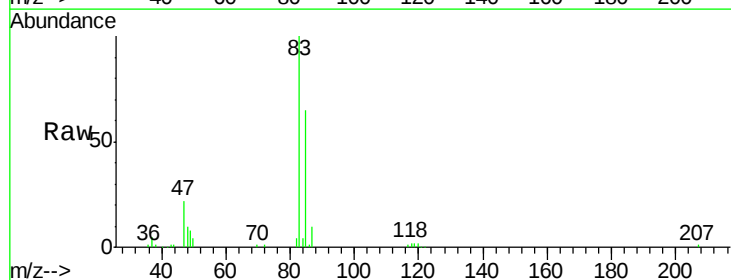
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#30
Chloroform
Concen: 22.034 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.7	77.5





#31

Cyclohexane

Concen: 14.266 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

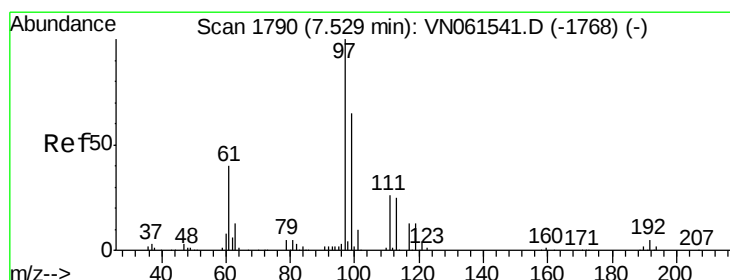
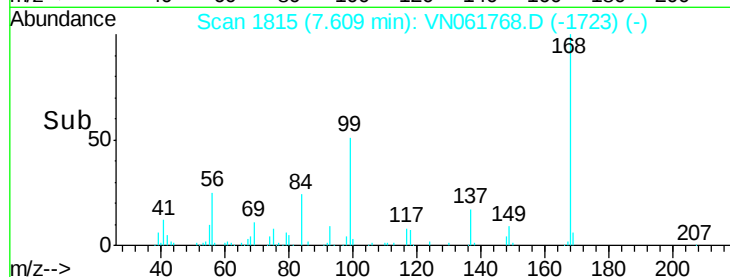
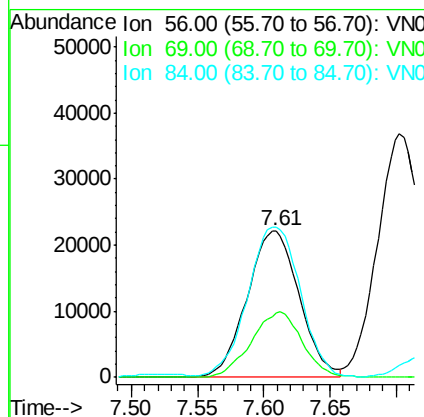
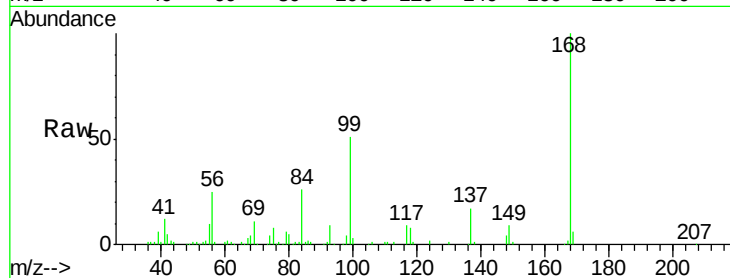
ClientSampleId :

VN0611WBSD02

Tot Ion:	56	Resp:	60706
Ion Ratio	Lower	Upper	
56	100		
69	43.6	27.8	41.8#
84	101.2	79.9	119.9

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#32

1,1,1-Trichloroethane

Concen: 19.065 ug/l

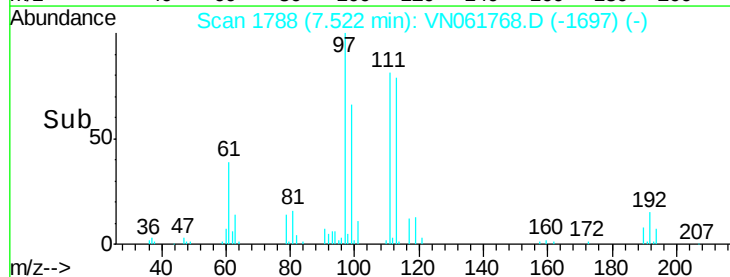
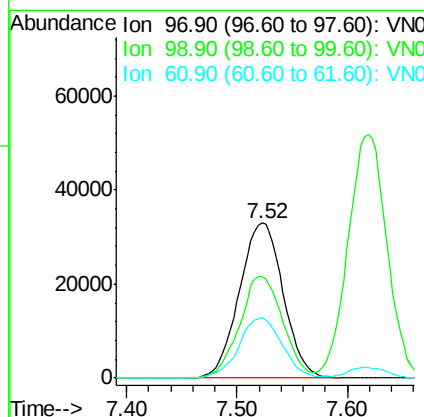
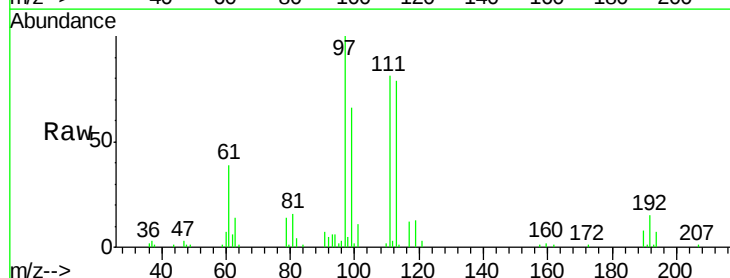
RT: 7.52 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Tgt Ion:	97	Resp:	90934
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.4	77.0
61	38.2	31.4	47.0





#33

1,2-Dichloroethane-d4

Concen: 54.454 ug/l

RT: 7.98 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBSD02

Tot Ion: 65 Resp: 164411

Ion Ratio Lower Upper

65 100

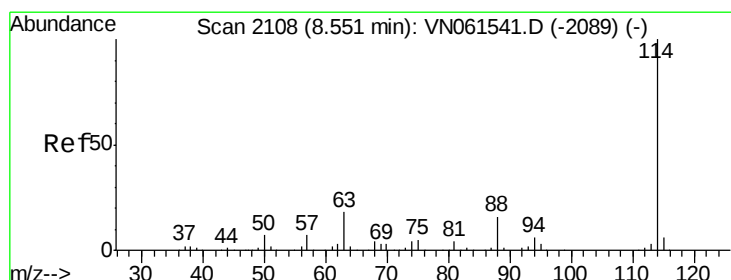
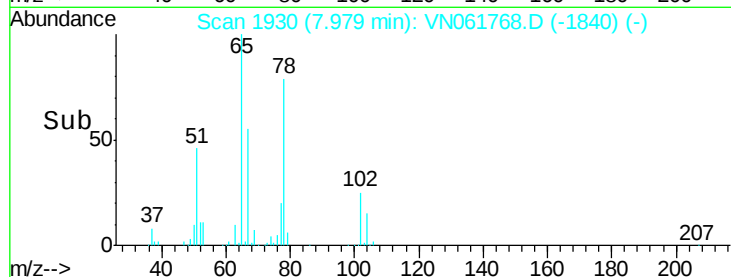
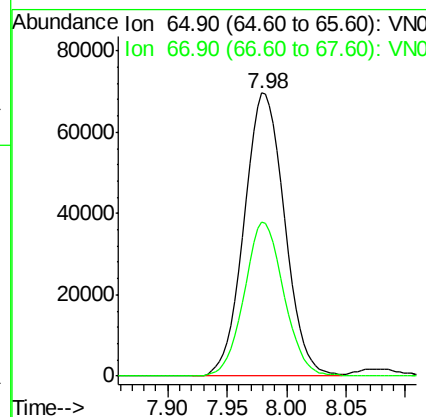
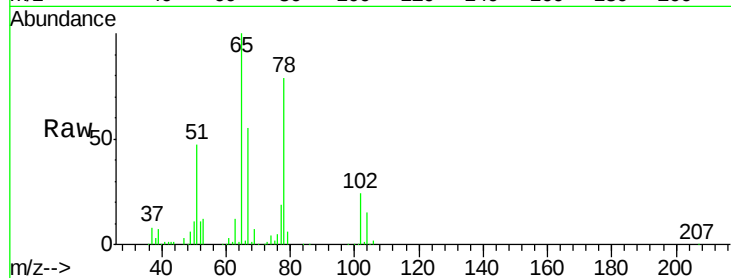
67 53.1 0.0 104.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.54 min Scan# 2106

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

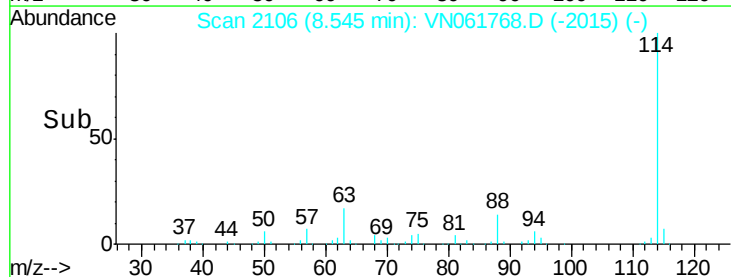
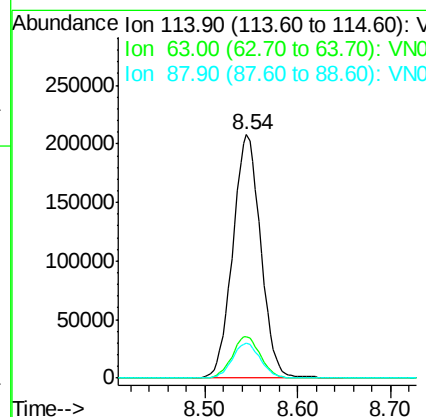
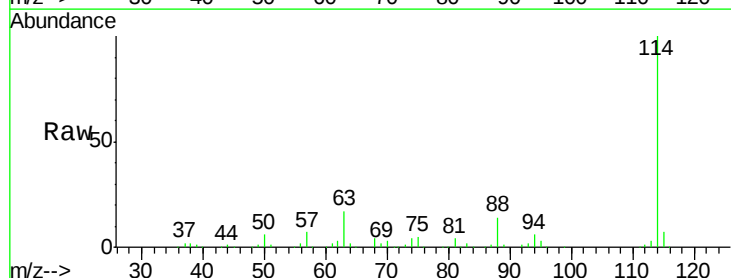
Tgt Ion: 114 Resp: 433797

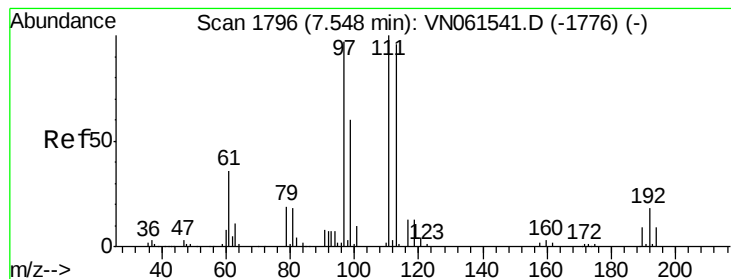
Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.8

88 14.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 60.660 ug/l

RT: 7.54 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

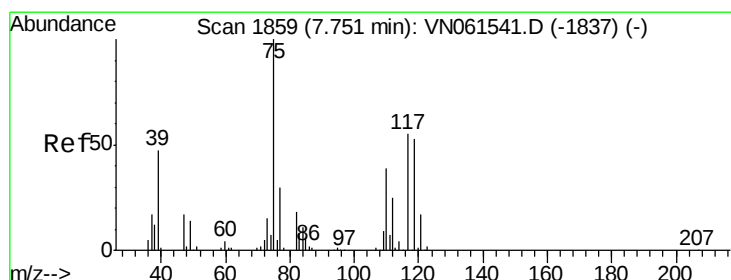
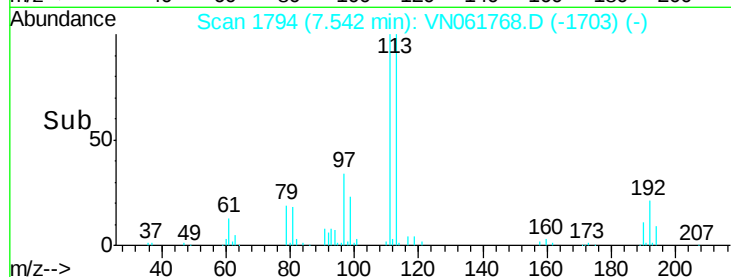
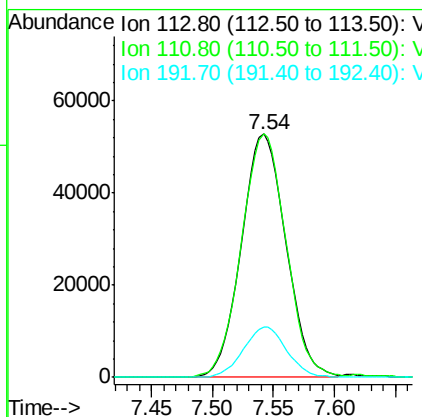
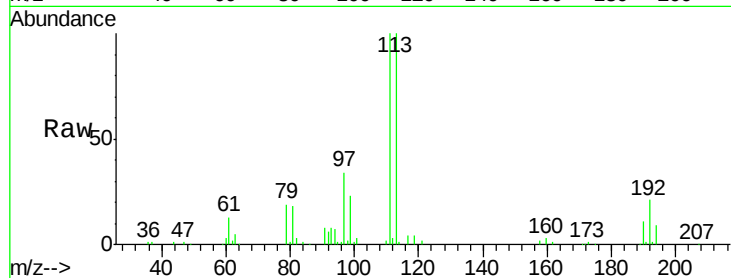
ClientSampleId :

VN0611WBSD02

Tot Ion:	113	Resp:	133486
Ion Ratio	Lower	Upper	
113	100		
111	100.4	83.4	125.0
192	20.1	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 16.894 ug/l

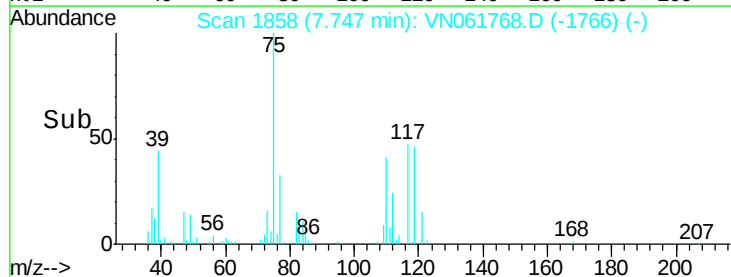
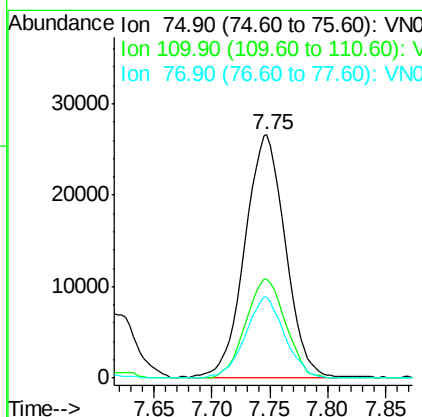
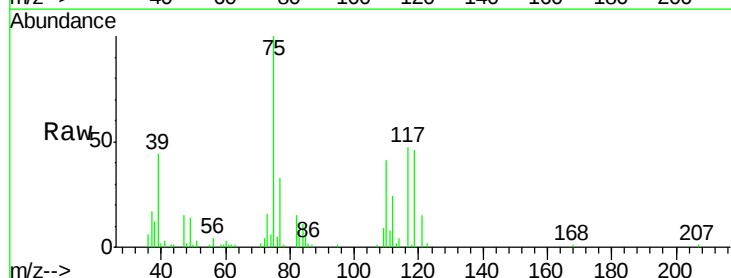
RT: 7.75 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Tgt Ion:	75	Resp:	64876
Ion Ratio	Lower	Upper	
75	100		
110	39.9	19.5	58.5
77	32.3	24.7	37.1





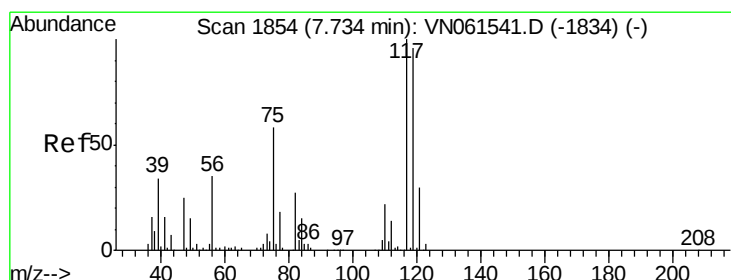
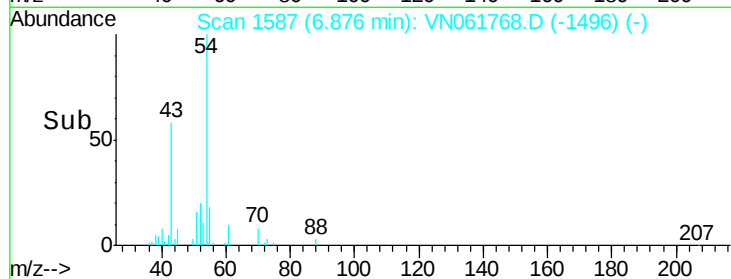
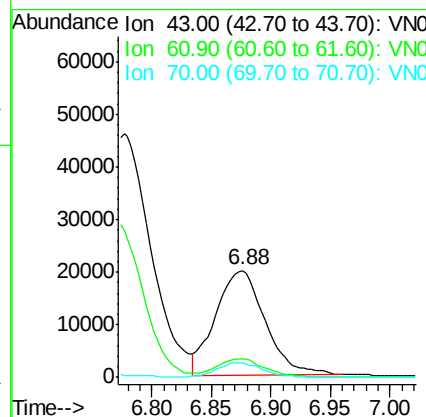
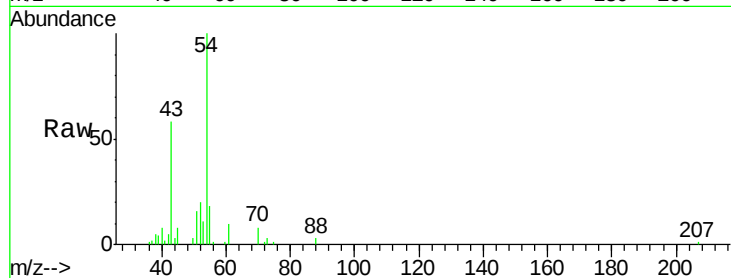
#37
Ethyl Acetate
Concen: 18.634 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.1	12.2	18.4
70	13.0	9.4	14.2

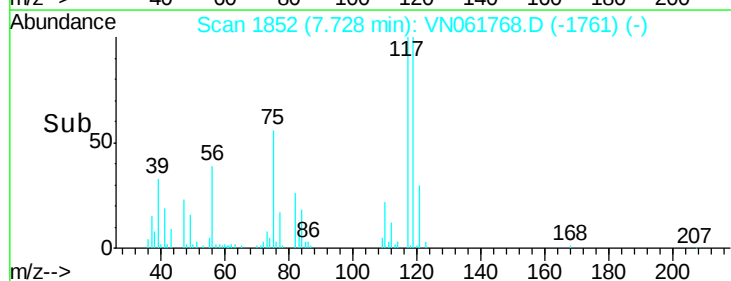
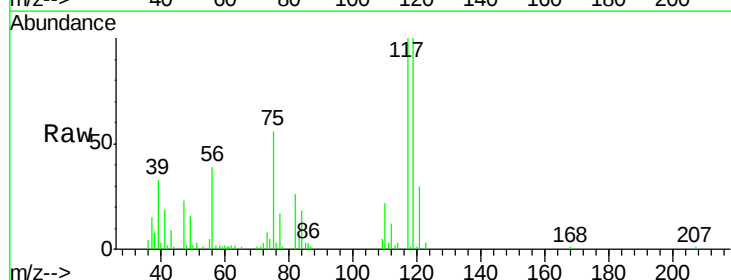
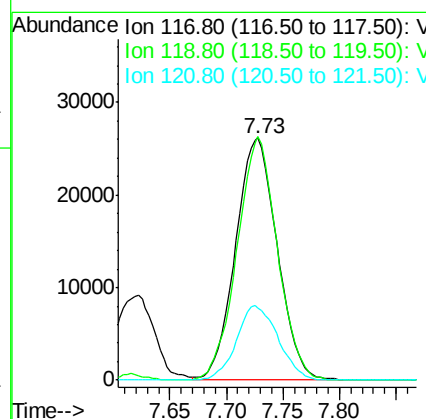
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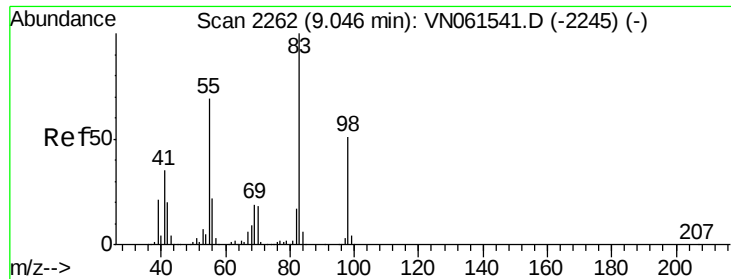
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#38
Carbon Tetrachloride
Concen: 18.105 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.5	76.5	114.7
121	29.8	24.1	36.1





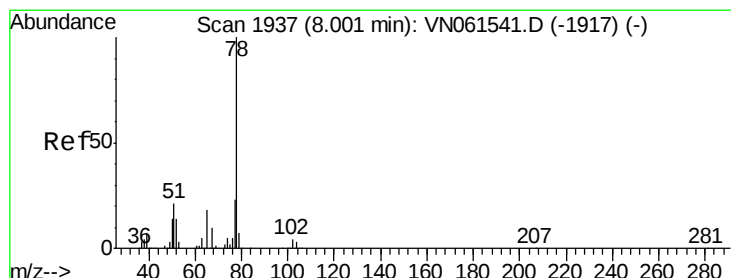
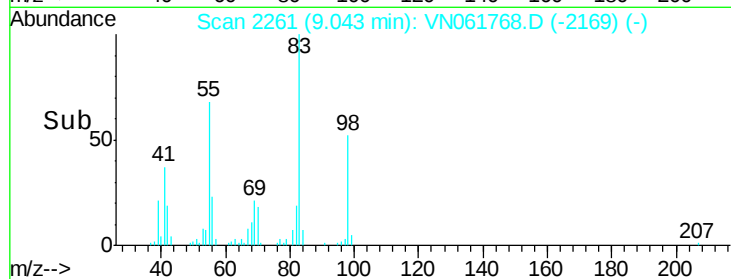
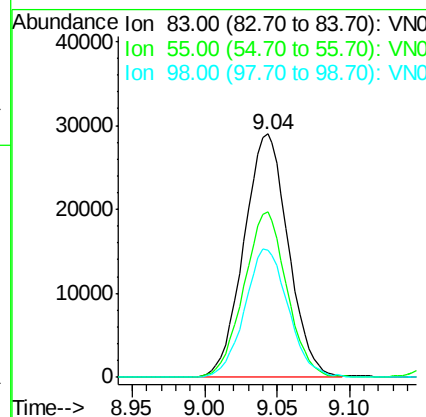
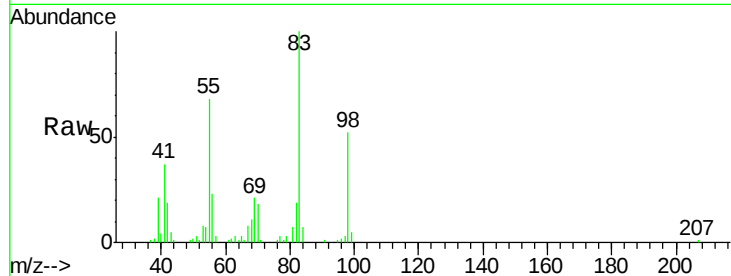
#39
Methvlcvclohexane
Concen: 13.047 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.9	54.9	82.3
98	52.3	41.0	61.4

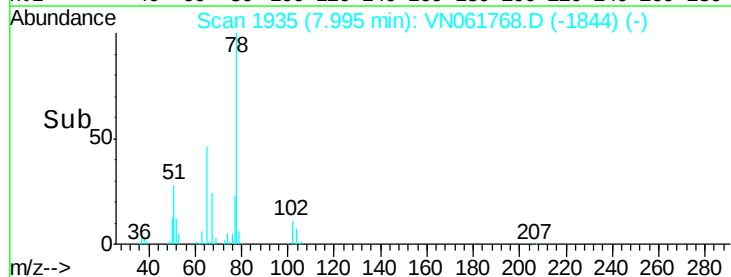
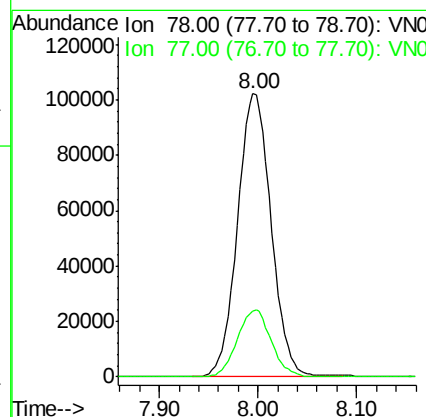
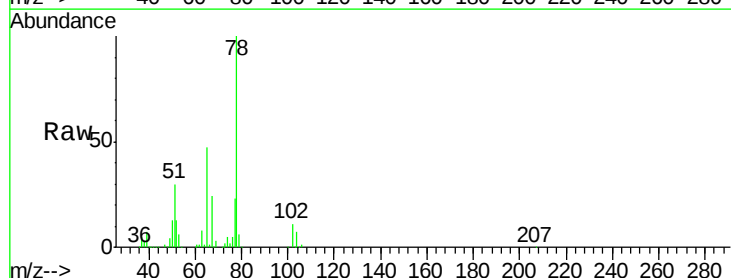
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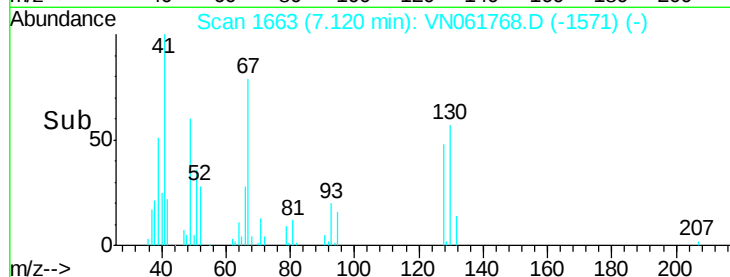
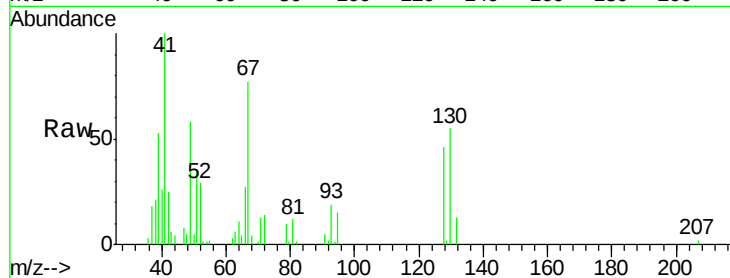
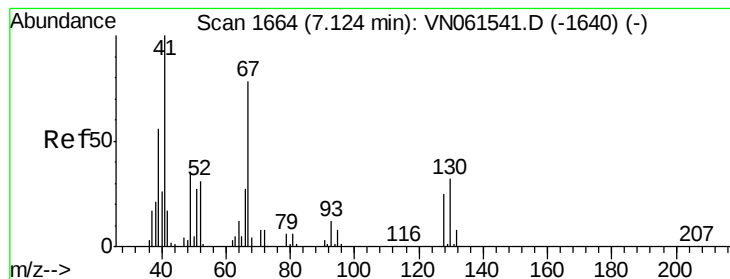
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#40
Benzene
Concen: 20.405 ug/l
RT: 8.00 min Scan# 1935
Delta R.T. -0.01 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





#41

Methacrylonitrile

Concen: 21.897 ug/l

RT: 7.12 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Tot Ion	Ion	Ratio	Lower	Upper
31031	41	100		
	39	58.7	53.8	80.6
	67	94.3	91.1	136.7
	52	35.9	36.0	54.0#

Instrument :

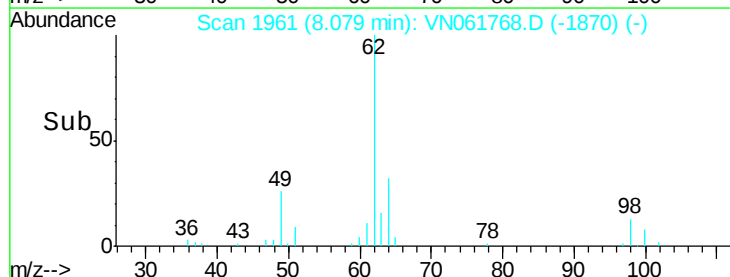
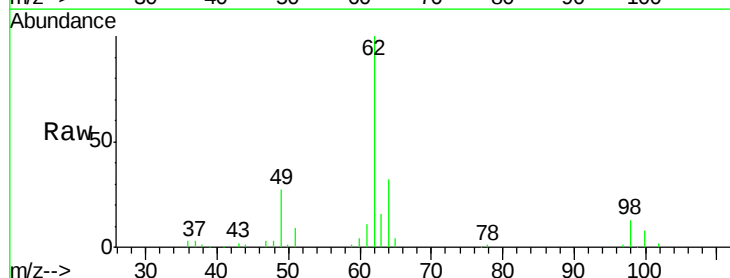
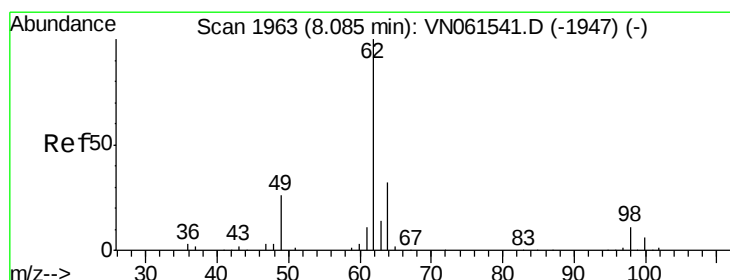
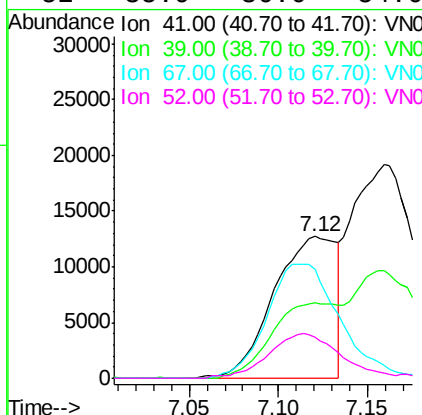
MSVOA_N

ClientSampleId :

VN0611WBSD02

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#42

1,2-Dichloroethane

Concen: 21.835 ug/l

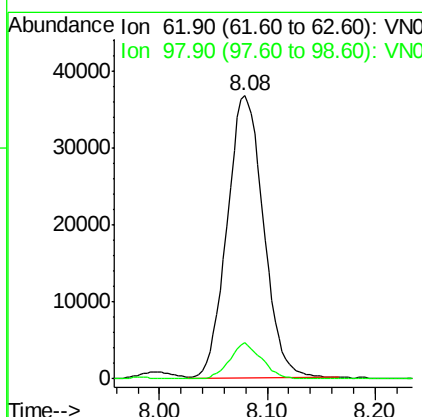
RT: 8.08 min Scan# 1961

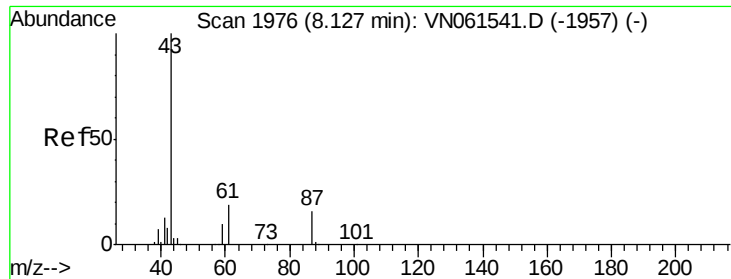
Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Tgt Ion	Ion	Ratio	Lower	Upper
86615	62	100		
	98	11.1	0.0	21.4





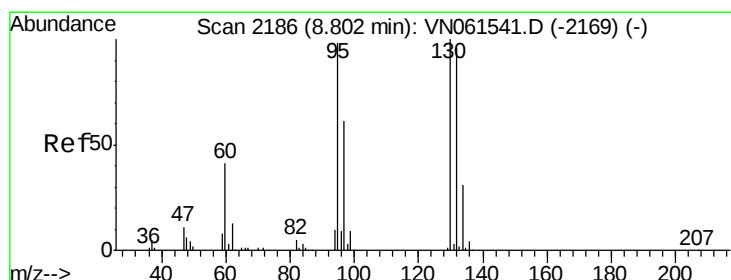
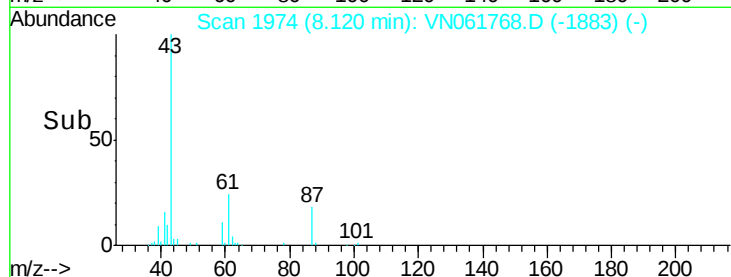
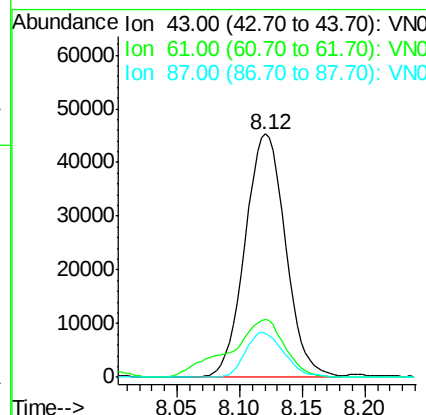
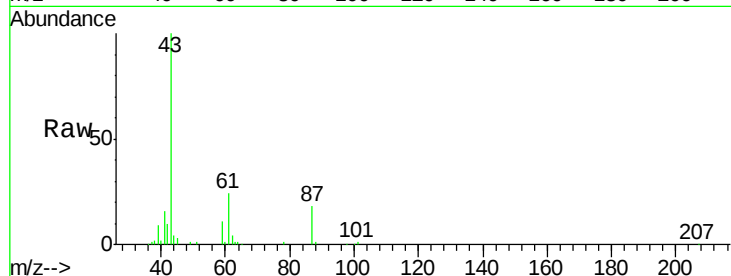
#43
Isopropyl Acetate
Concen: 18.321 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.01 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.4	23.6	35.4
87	17.5	13.0	19.6

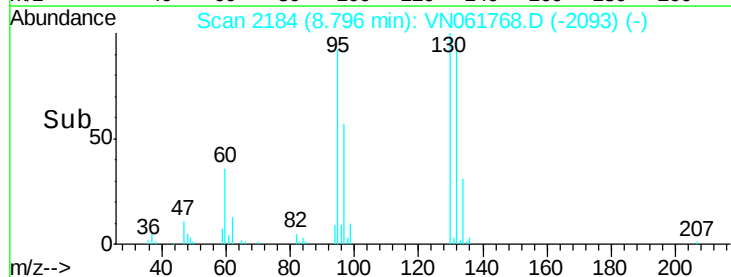
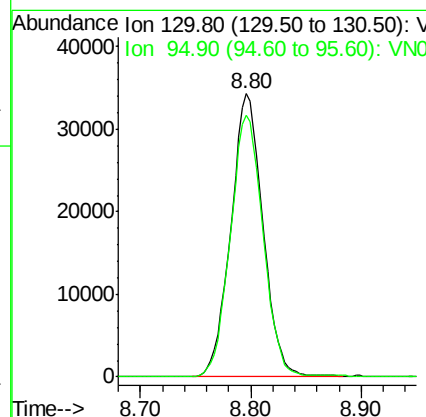
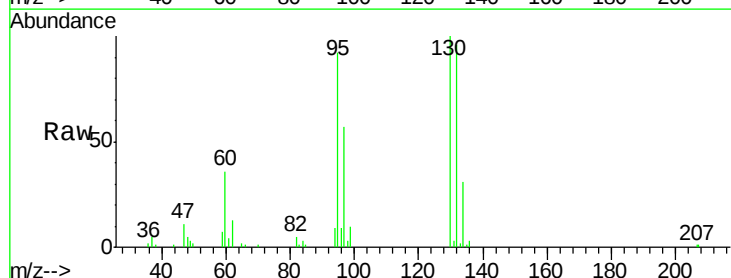
Manual Integrations
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6/12/2020 5:46:35 PM



#44
Trichloroethene
Concen: 19.005 ug/l
RT: 8.80 min Scan# 2184
Delta R.T. -0.01 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	196.6





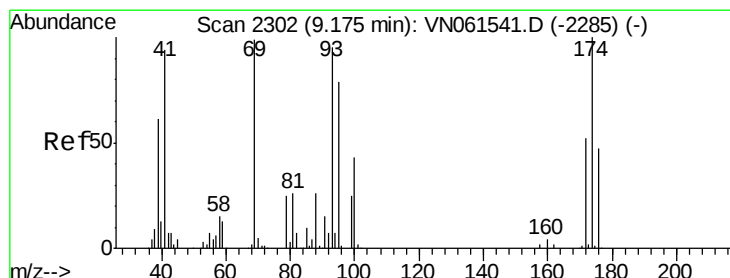
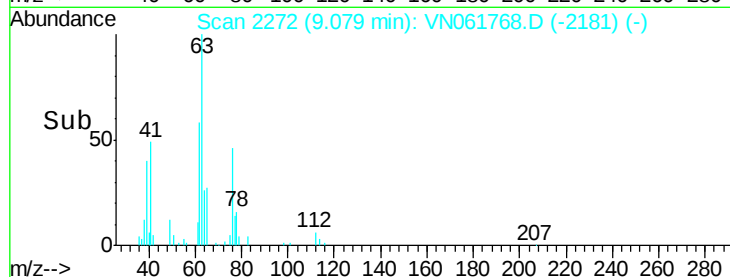
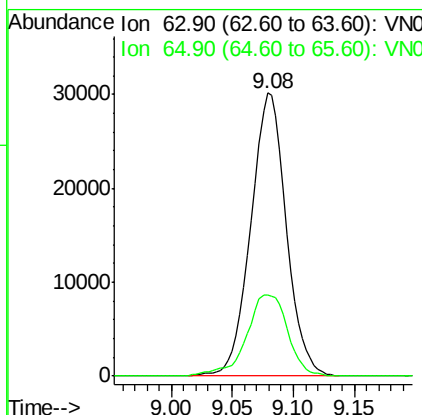
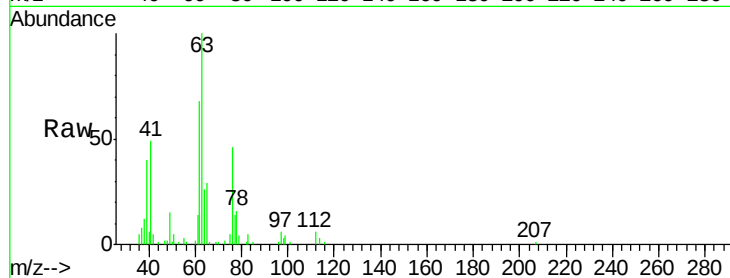
#45
 1,2-Dichloropropane
 Concen: 21.556 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBSD02

Tot Ion: 63 Resp: 60648
 Ion Ratio Lower Upper
 63 100
 65 28.6 24.7 37.1

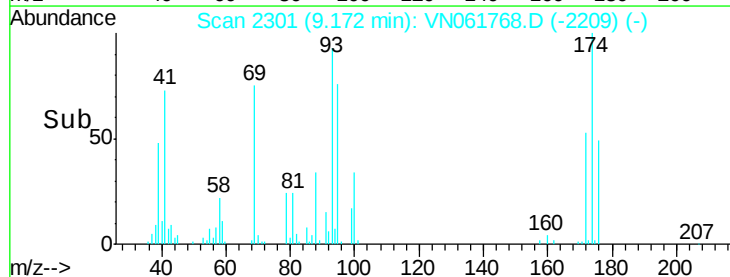
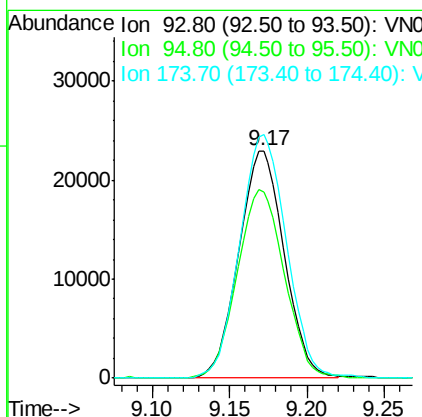
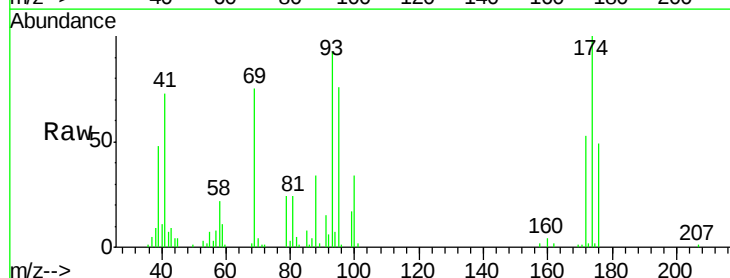
Manual Integrations
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#46
 Dibromomethane
 Concen: 21.773 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Tgt Ion: 93 Resp: 46984
 Ion Ratio Lower Upper
 93 100
 95 85.8 66.0 99.0
 174 110.2 82.5 123.7





#47

Bromodichloromethane

Concen: 22.467 ug/l

RT: 9.36 min Scan# 2361

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

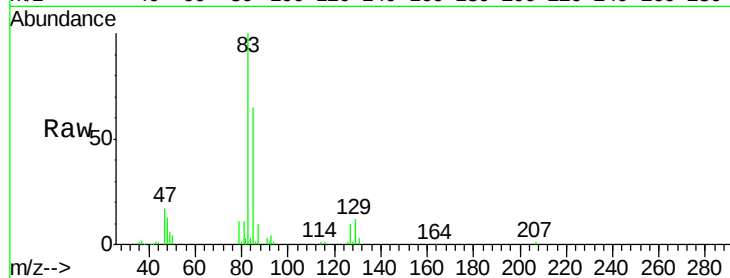
ClientSampleId :

VN0611WBSD02

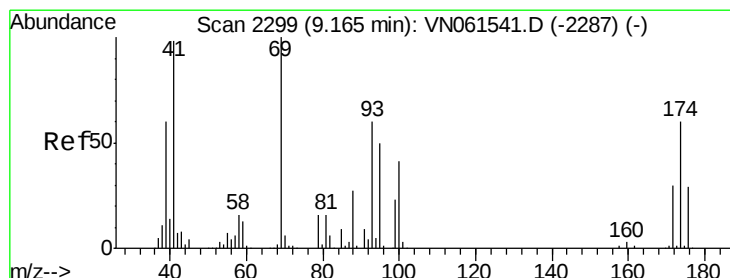
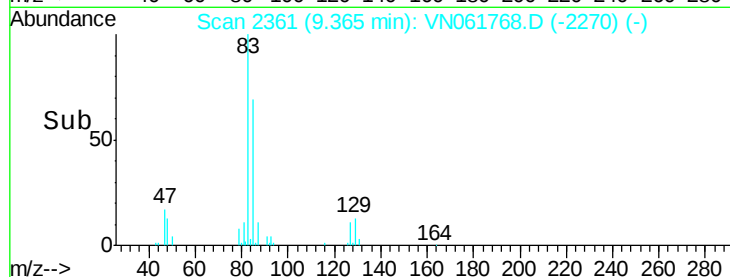
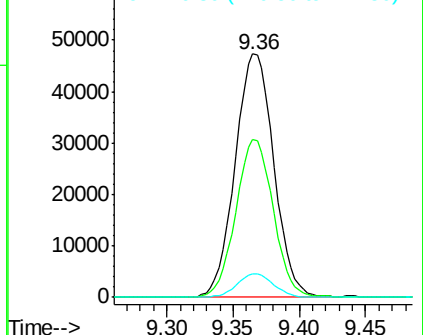
Tot Ion:	83	Resp:	96051
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.1	76.7
127	9.8	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN061768.D (-2270) (-)



#48

Methyl methacrylate

Concen: 18.021 ug/l

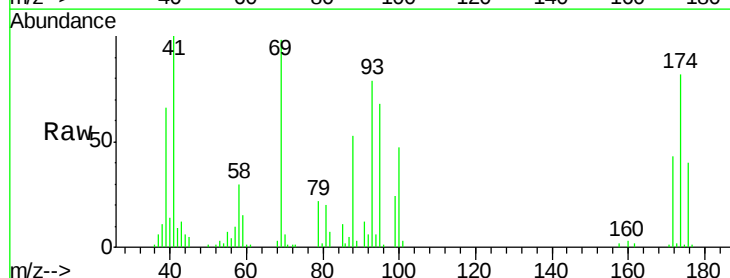
RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

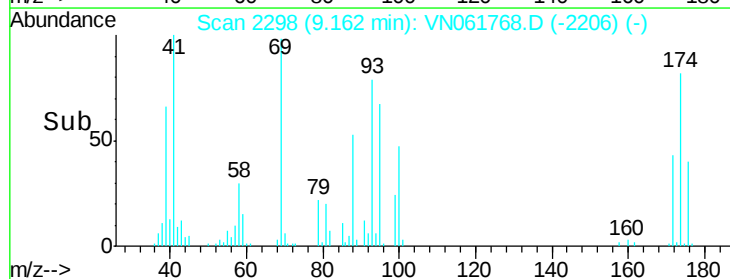
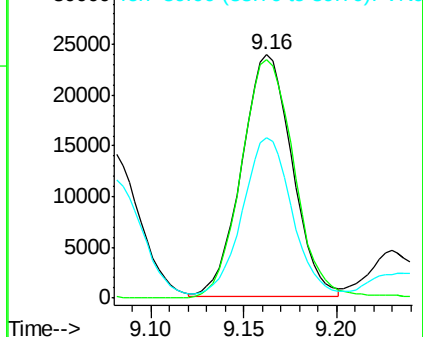
Lab File: VN061768.D

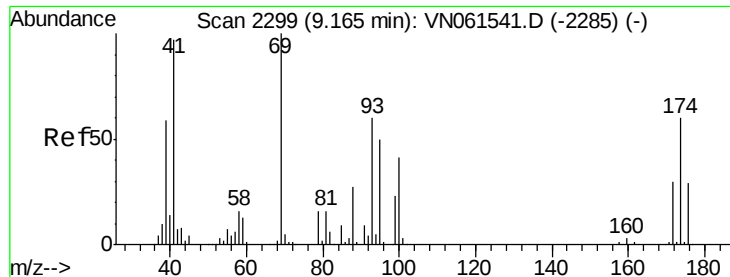
Acq: 12 Jun 2020 4:54

Tgt Ion:	41	Resp:	45118
Ion Ratio	Lower	Upper	
41	100		
69	103.4	83.9	125.9
39	66.6	52.1	78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061768.D (-2206) (-)





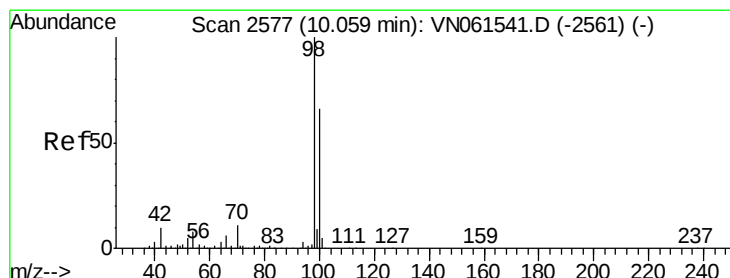
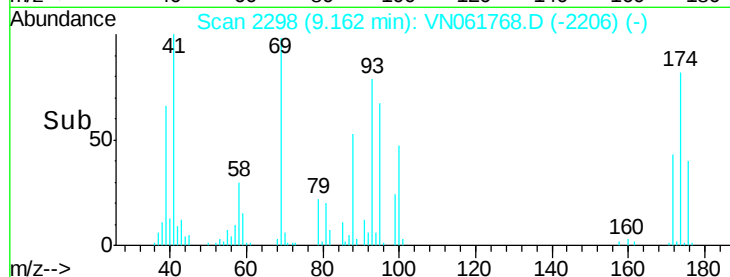
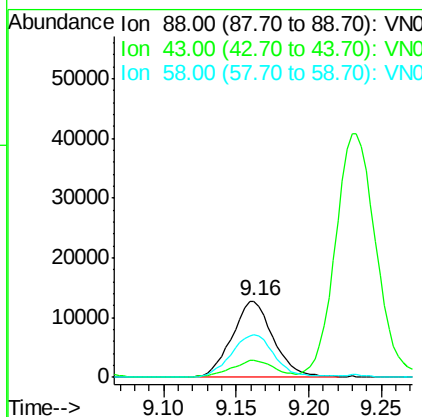
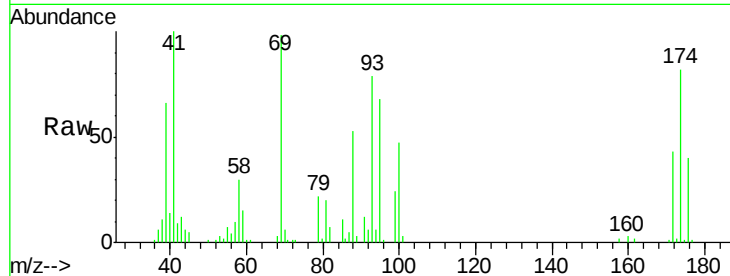
#49
1,4-Dioxane
Concen: 649.847 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampled :
VN0611WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	23.7	23.1	34.7
58	58.1	48.3	72.5

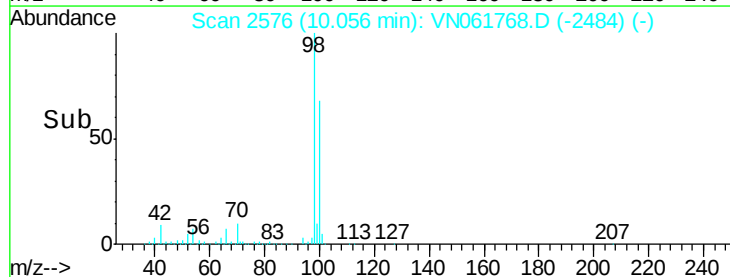
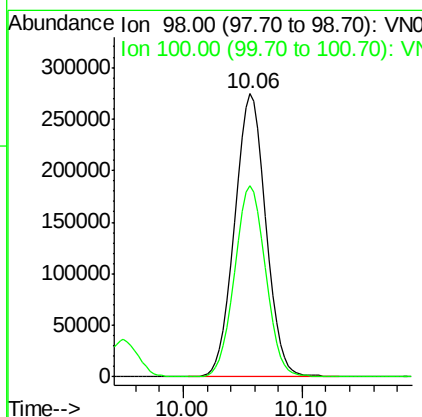
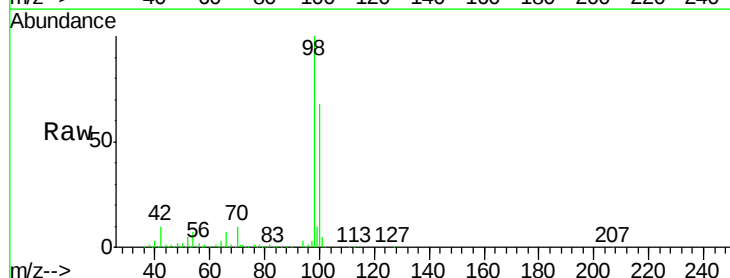
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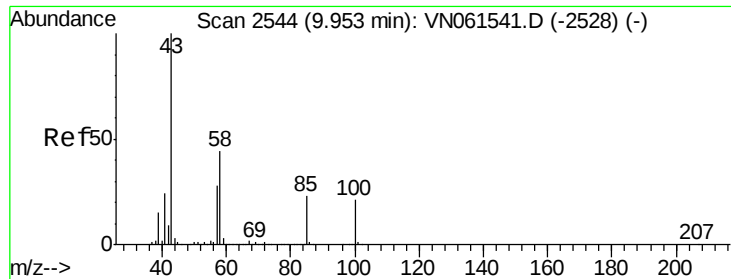
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#50
Toluene-d8
Concen: 48.934 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	52.8	79.2





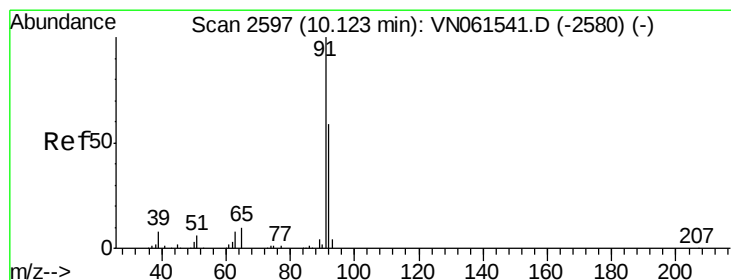
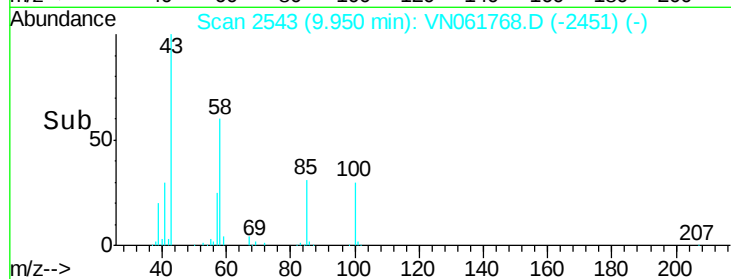
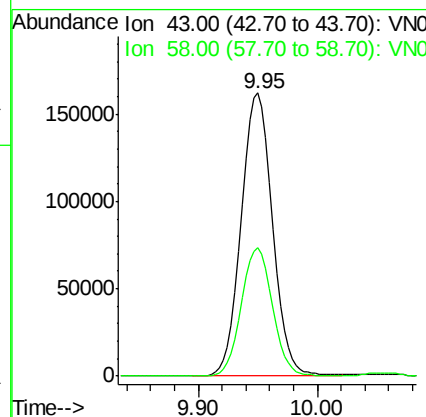
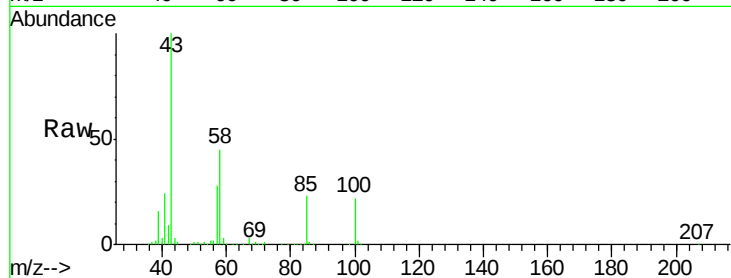
#51
4-Methyl-2-Pentanone
Concen: 94.461 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampled :
VN0611WBSD02

Tot Ion	43	Resp	296219
Ion Ratio	100	Lower	Upper
43	100		
58	45.1	35.0	52.6

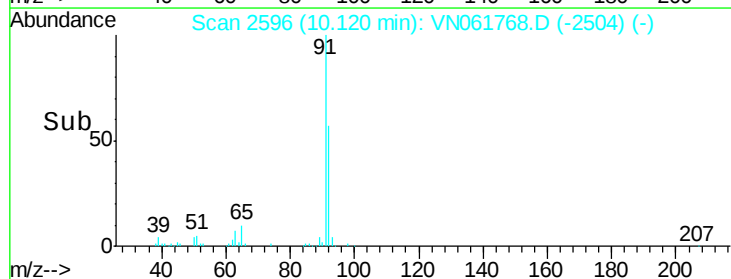
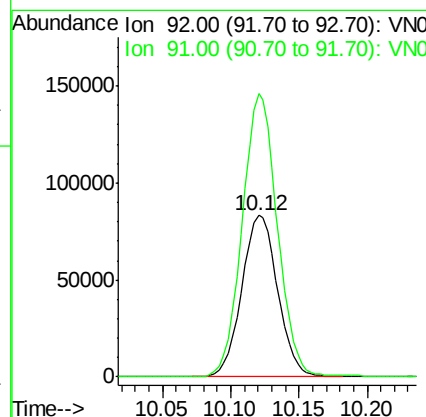
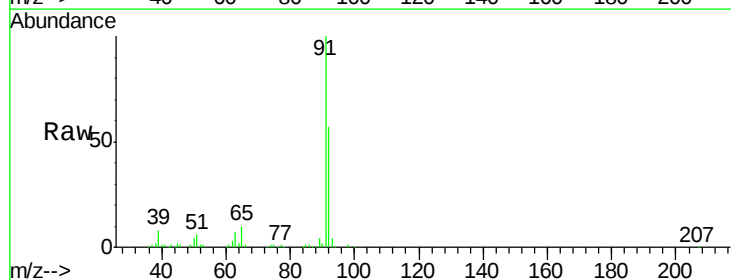
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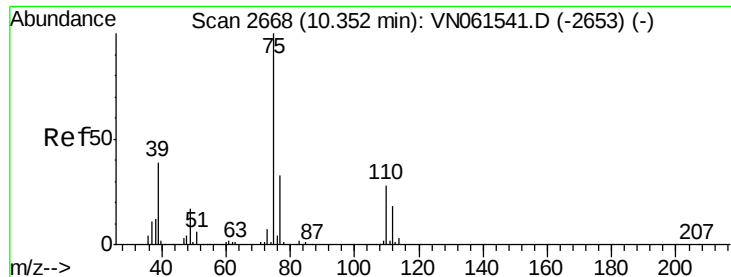
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#52
Toluene
Concen: 19.659 ug/l
RT: 10.12 min Scan# 2596
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion	92	Resp	152033
Ion Ratio	100	Lower	Upper
92	100		
91	171.9	136.4	204.6





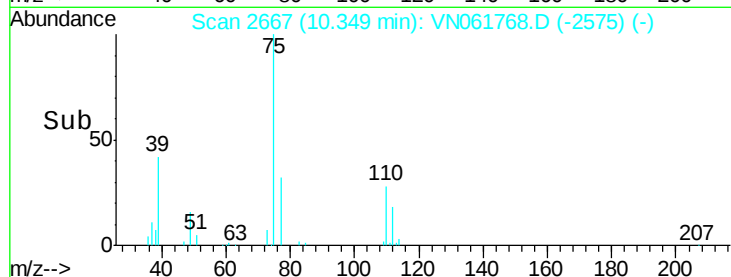
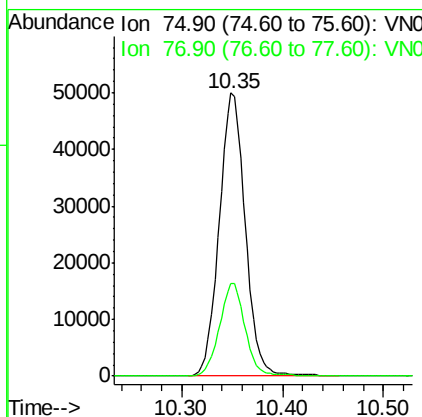
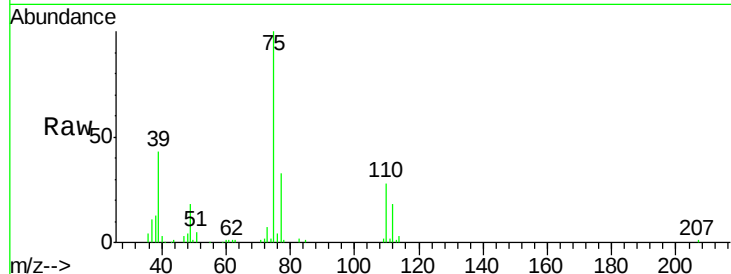
#53
t-1,3-Dichloropropene
Concen: 19.572 ug/l
RT: 10.35 min Scan# 2667
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.2	39.4

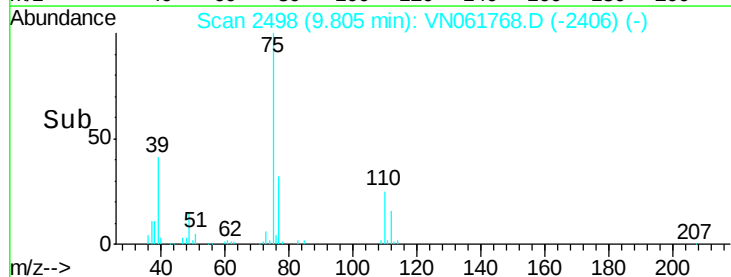
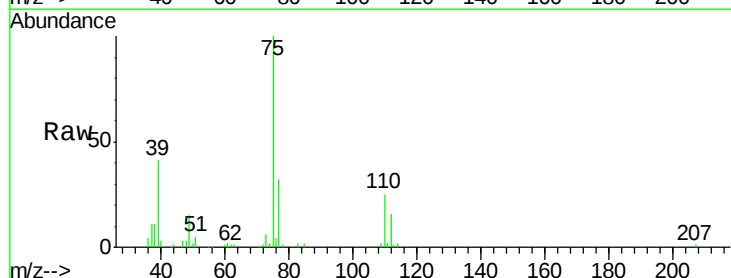
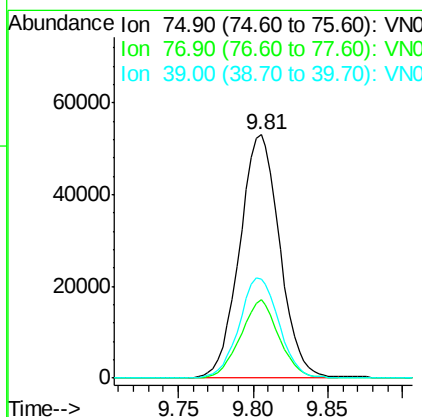
Manual Integrations
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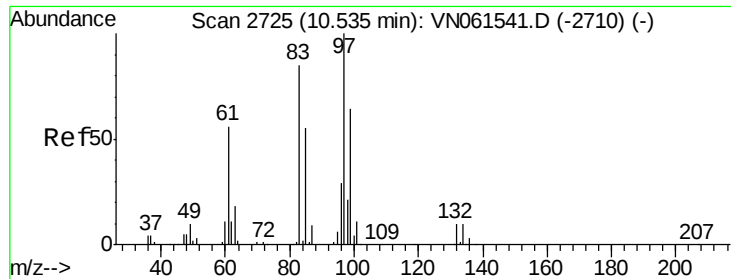
MMDadoda
6/12/2020 5:46:35 PM



#54
cis-1,3-Dichloropropene
Concen: 19.993 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.2
39	40.9	33.8	50.6





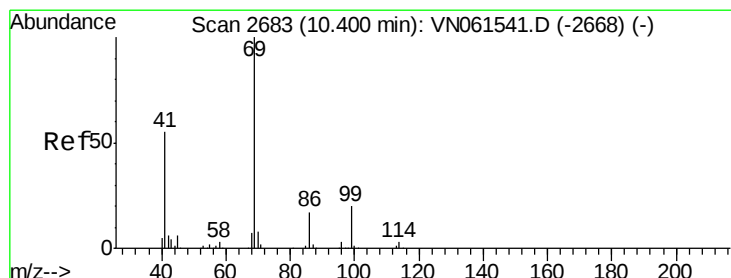
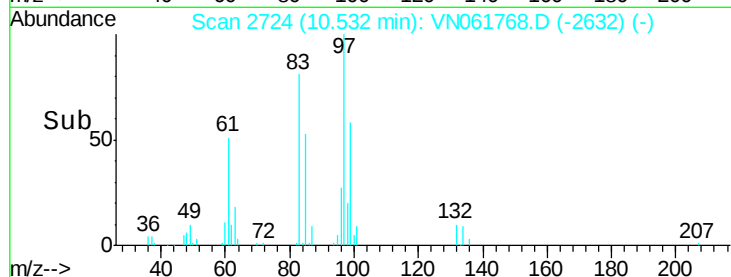
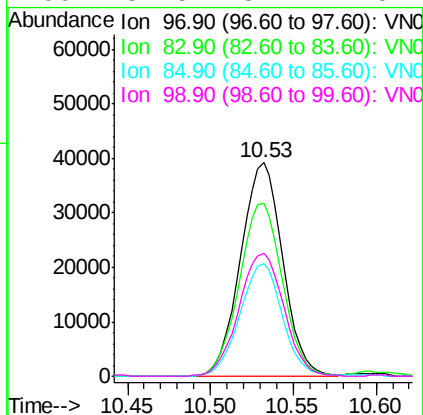
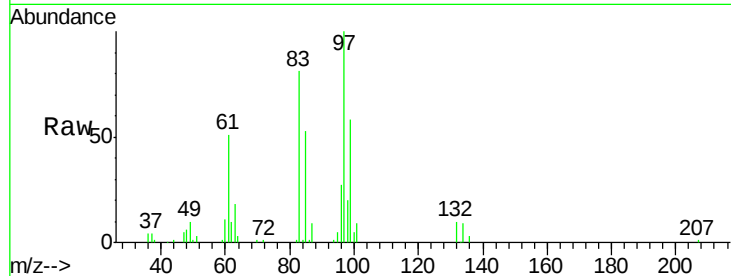
#55
 1,1,2-Trichloroethane
 Concen: 22.553 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBSD02

Tot Ion:	97	Resp:	69488
Ion	Ratio	Lower	Upper
97	100		
83	80.9	68.1	102.1
85	52.5	44.1	66.1
99	57.5	51.1	76.7

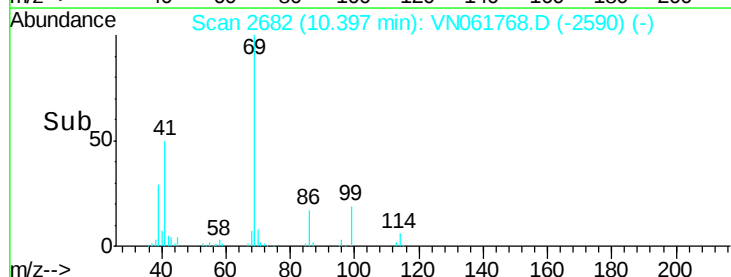
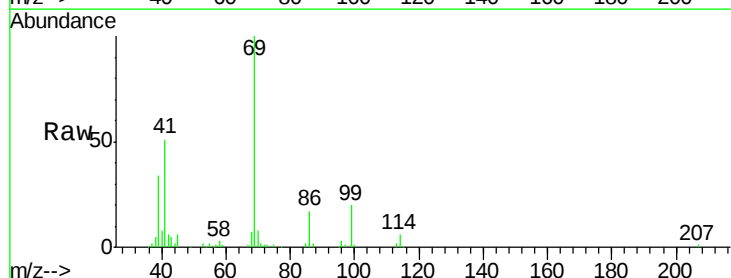
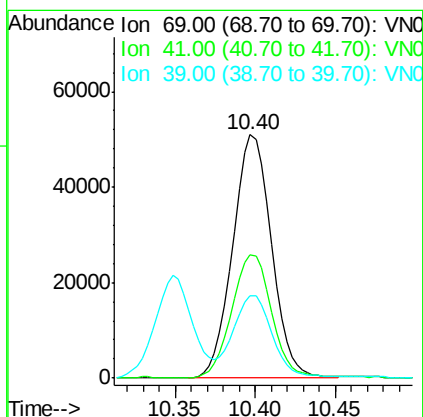
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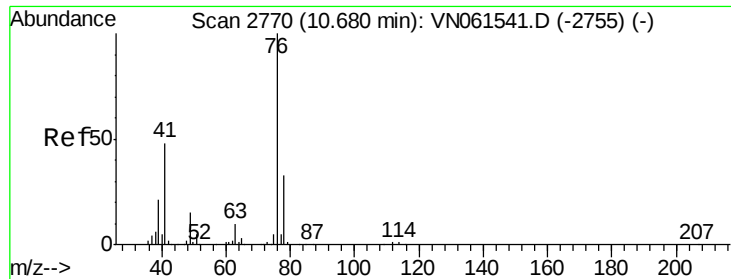
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#56
 Ethyl methacrylate
 Concen: 19.565 ug/l
 RT: 10.40 min Scan# 2682
 Delta R.T. -0.00 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Tgt Ion:	69	Resp:	84209
Ion	Ratio	Lower	Upper
69	100		
41	52.9	43.5	65.3
39	33.3	27.0	40.6





#57

1,3-Dichloropropane

Concen: 21.776 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBSD02

Tot Ion: 76 Resp: 107310

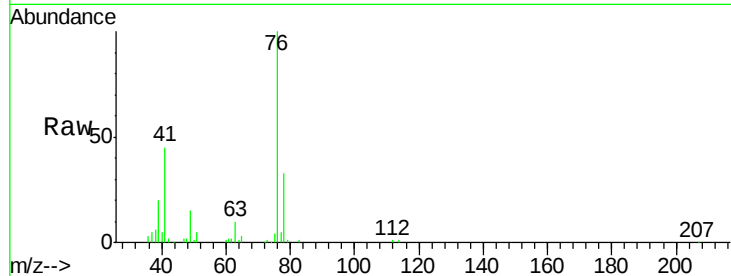
Ion Ratio Lower Upper

76 100

78 33.4 26.3 39.5

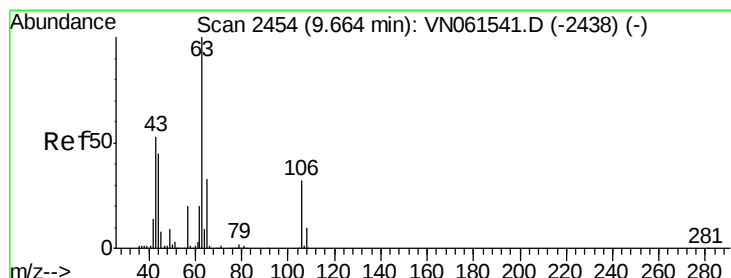
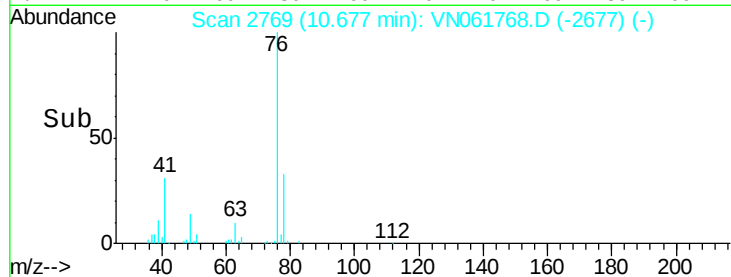
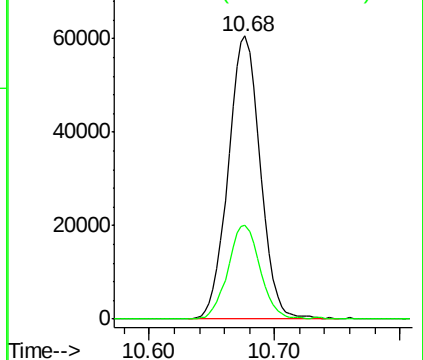
Manual Integrations
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6/12/2020 5:46:35 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 80.815 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN061768.D

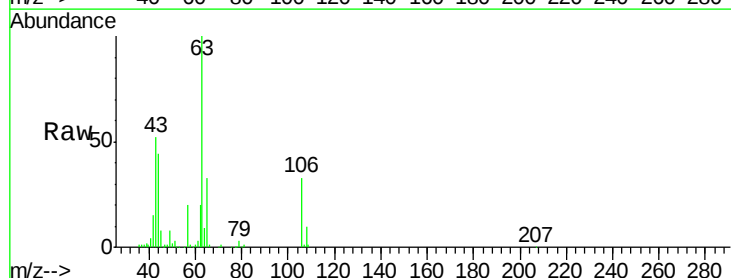
Acq: 12 Jun 2020 4:54

Tgt Ion: 63 Resp: 148643

Ion Ratio Lower Upper

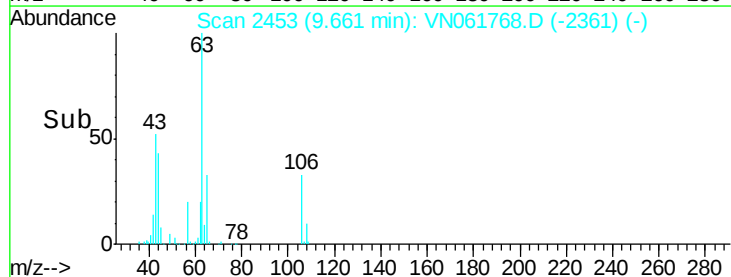
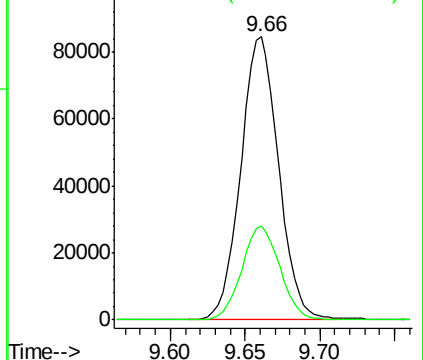
63 100

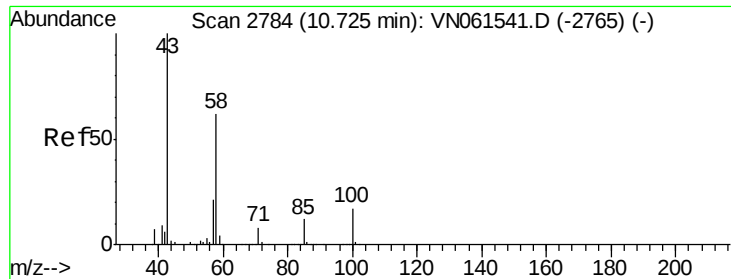
106 33.4 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





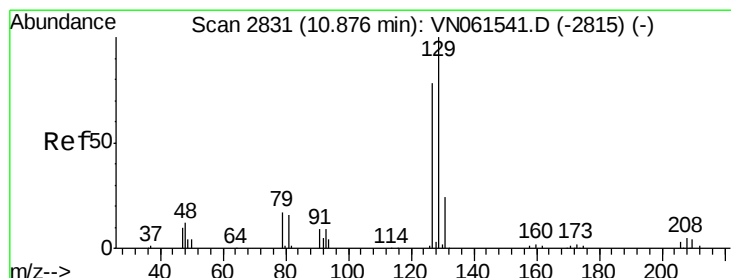
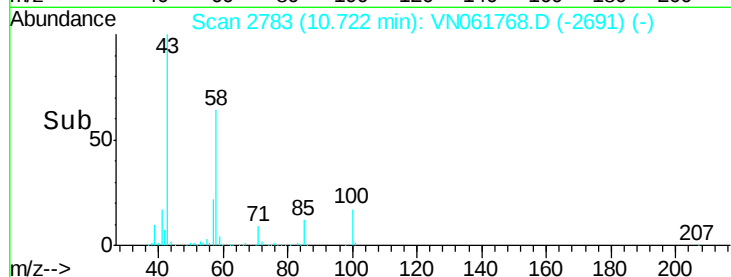
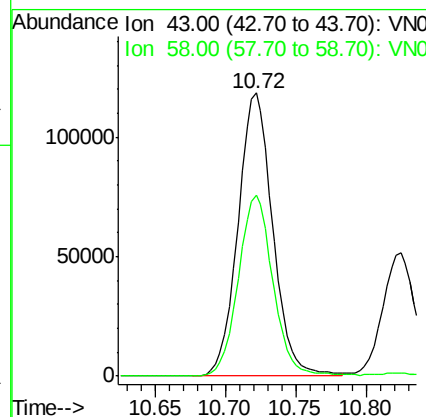
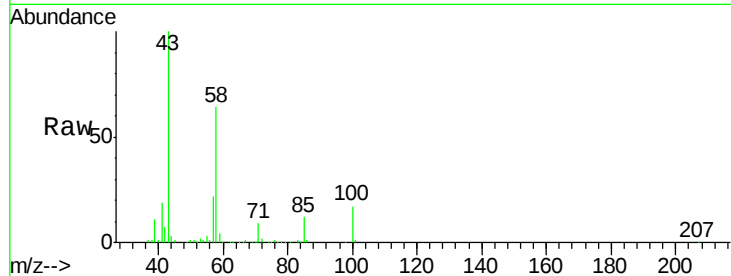
#59
2-Hexanone
Concen: 90.787 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBSD02

Tot Ion: 43 Resp: 204462
Ion Ratio Lower Upper
43 100
58 63.9 30.7 92.1

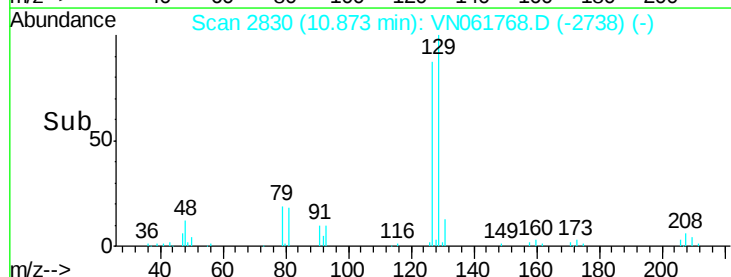
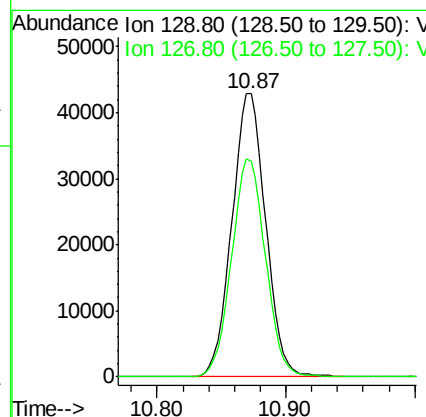
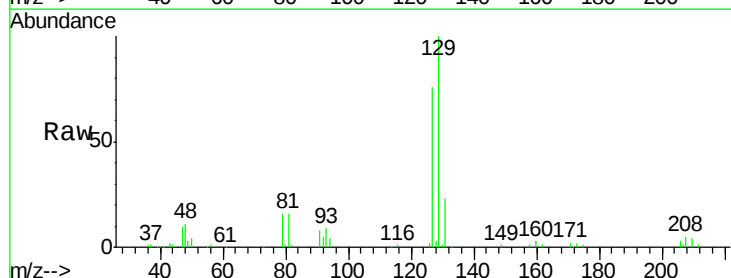
Manual Integrations
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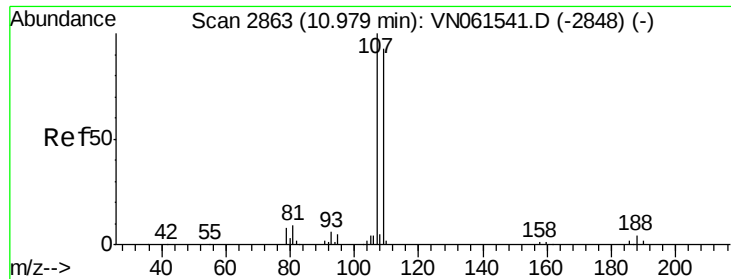
MMDadoda
6/12/2020 5:46:35 PM



#60
Dibromochloromethane
Concen: 22.230 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion: 129 Resp: 77868
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.3





#61

1,2-Dibromoethane

Concen: 21.701 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBSD02

Tot Ion:107 Resp: 69735

Ion Ratio Lower Upper

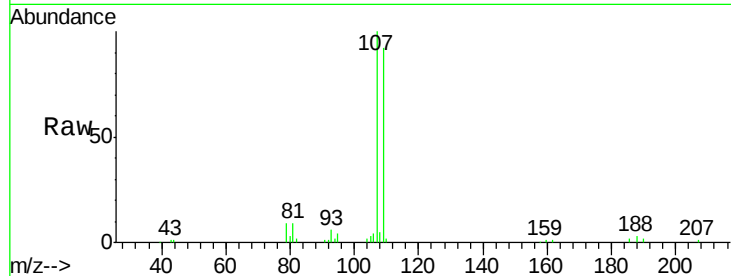
107 100

109 95.3 76.1 114.1

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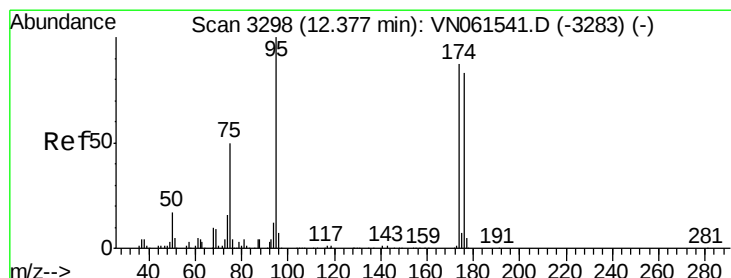
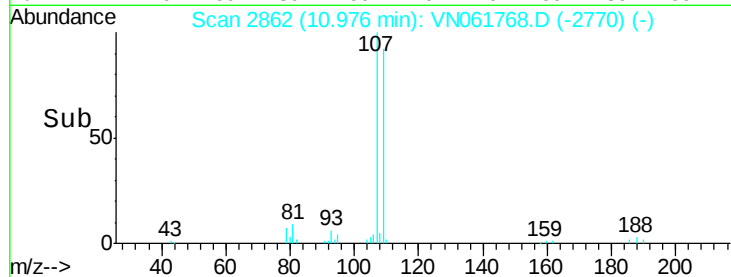
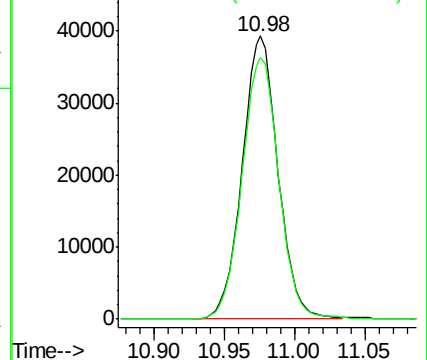
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.928 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

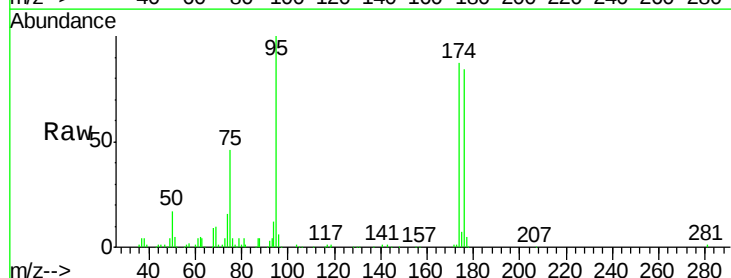
Tgt Ion: 95 Resp: 174596

Ion Ratio Lower Upper

95 100

174 88.5 0.0 172.8

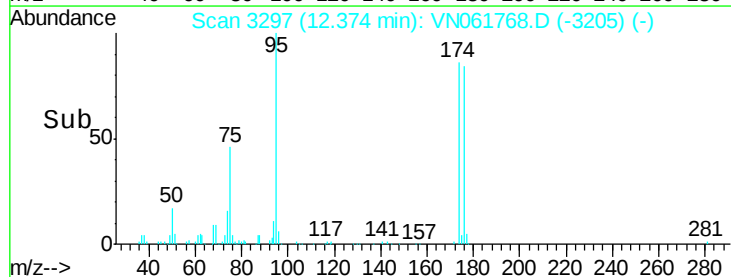
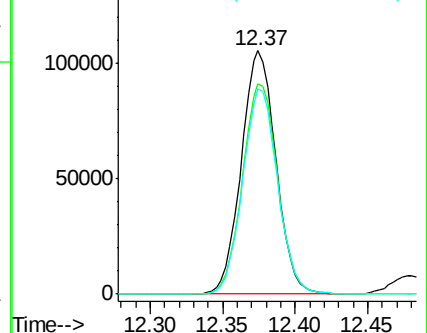
176 85.5 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





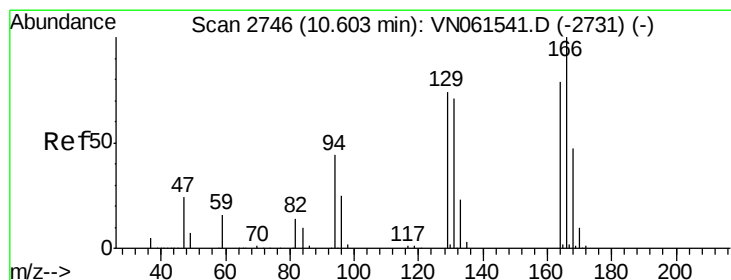
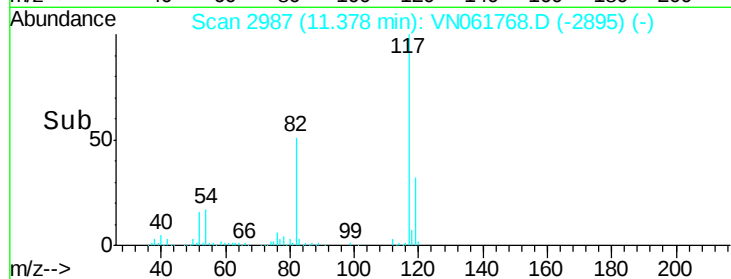
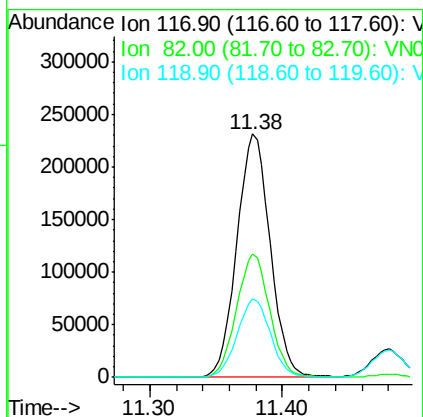
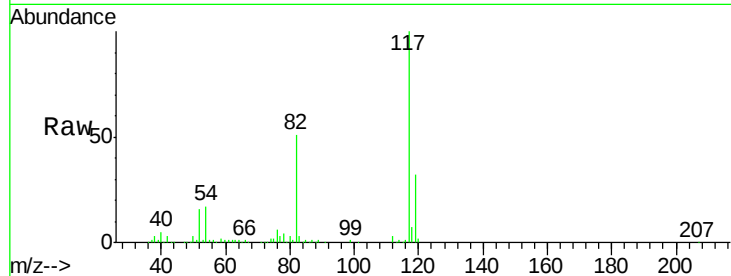
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	405085		
82	50.6		41.5	62.3
119	32.0		25.6	38.4

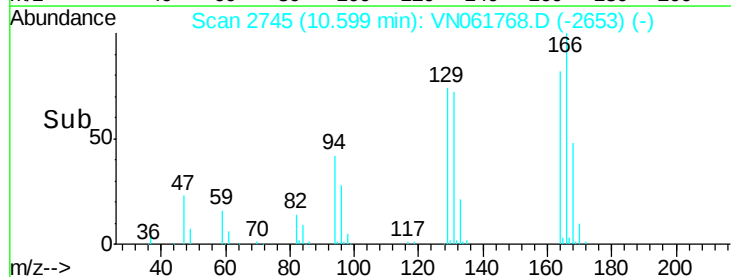
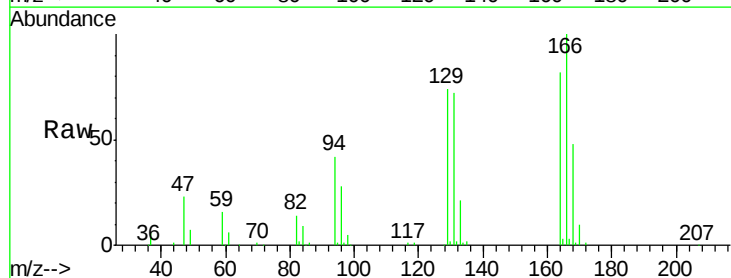
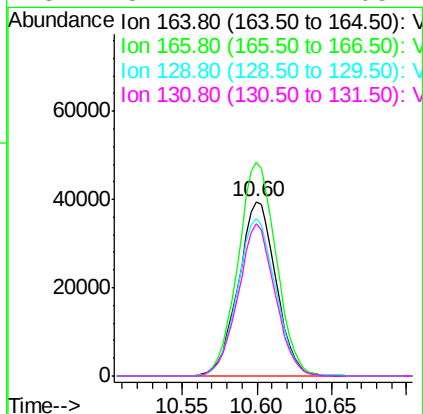
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#64
Tetrachloroethene
Concen: 18.076 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68927		
166	122.6		101.5	152.3
129	90.2		74.9	112.3
131	87.7		72.2	108.2





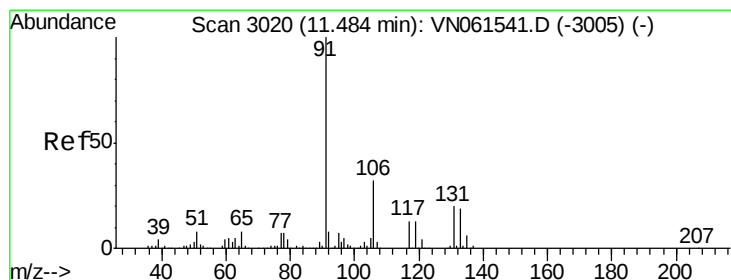
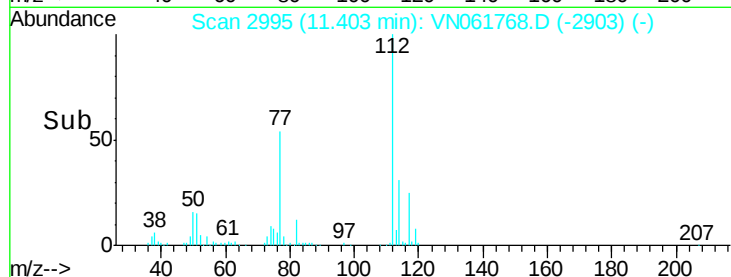
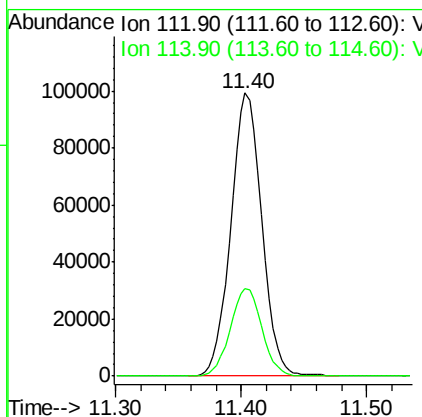
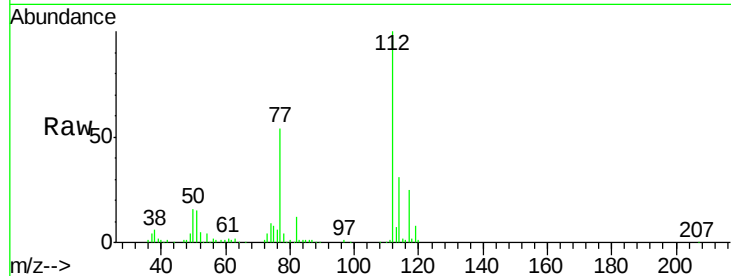
#65
Chlorobenzene
Concen: 20.223 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBSD02

Tot Ion:112 Resp: 170286
Ion Ratio Lower Upper
112 100
114 31.0 25.7 38.5

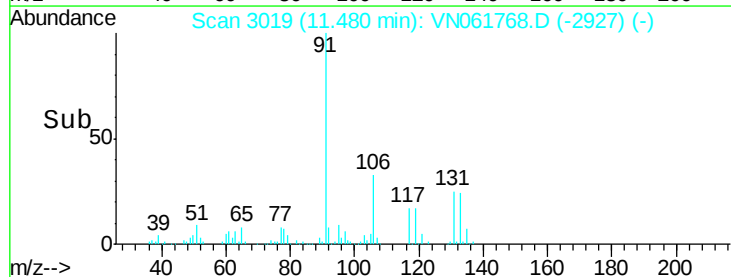
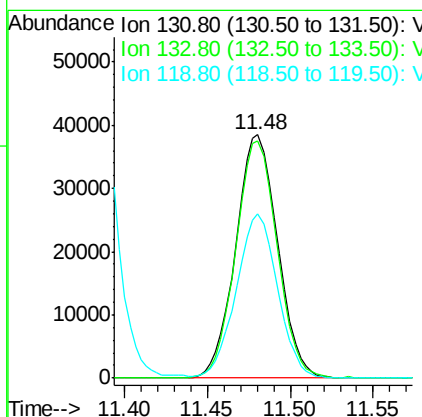
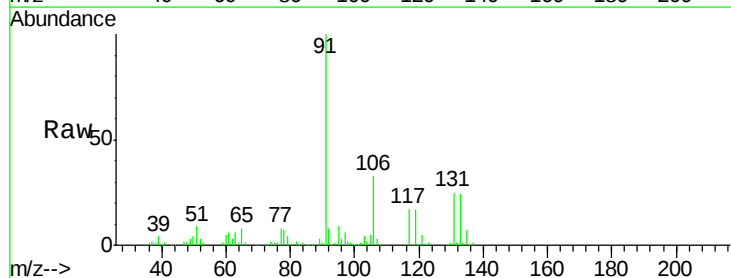
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.666 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion:131 Resp: 67929
Ion Ratio Lower Upper
131 100
133 96.0 47.4 142.2
119 66.3 32.6 97.8





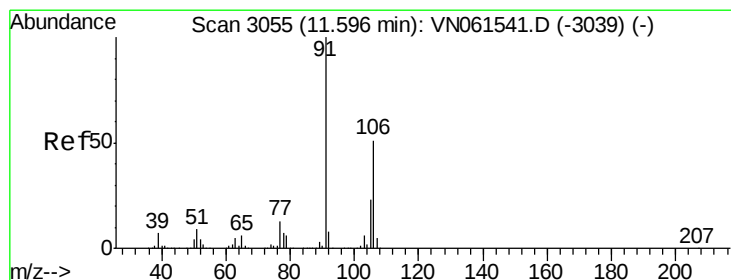
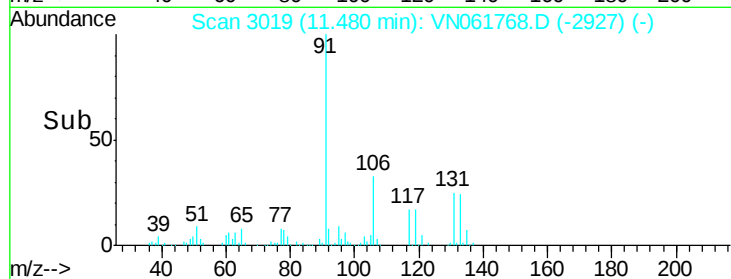
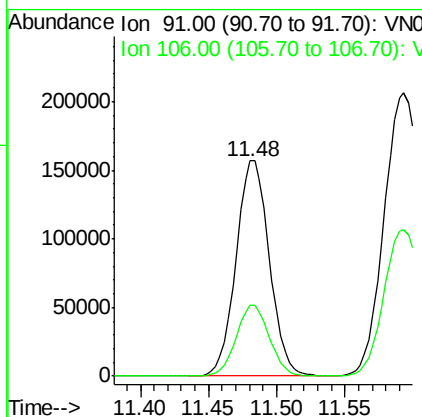
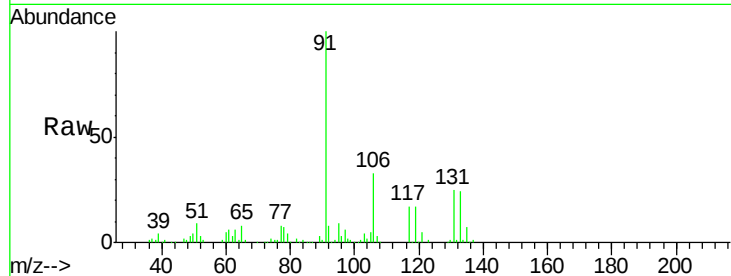
#67
Ethyl Benzene
Concen: 18.277 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBSD02

Tot Ion: 91 Resp: 265988
Ion Ratio Lower Upper
91 100
106 32.7 25.6 38.4

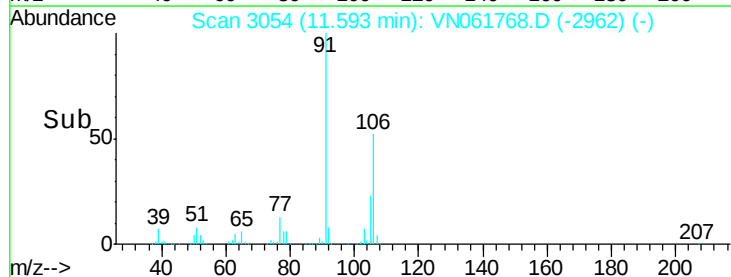
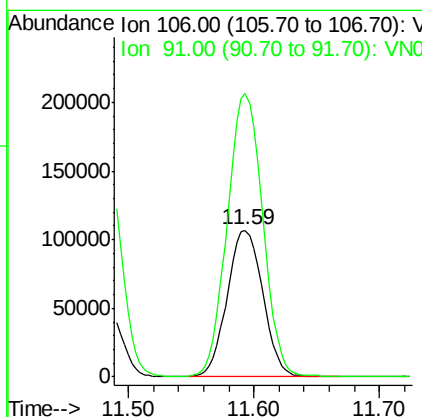
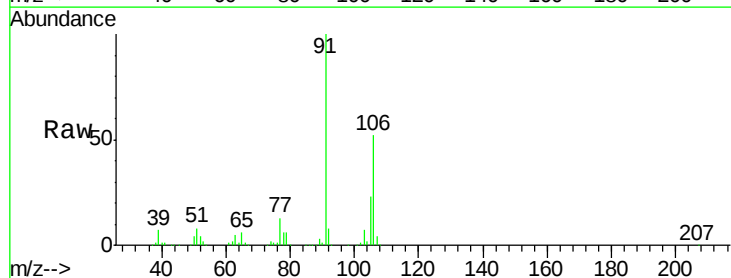
Manual Integrations
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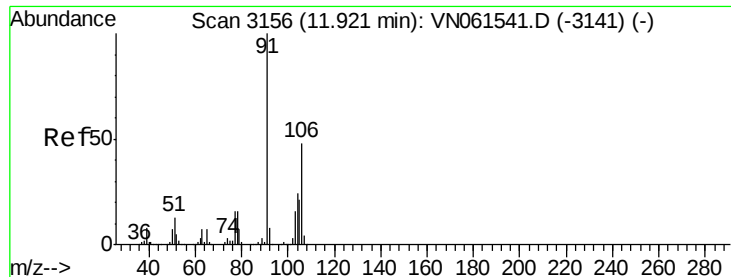
MMDadoda
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#68
m/p-Xylenes
Concen: 36.629 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion: 106 Resp: 211366
Ion Ratio Lower Upper
106 100
91 191.8 156.2 234.4





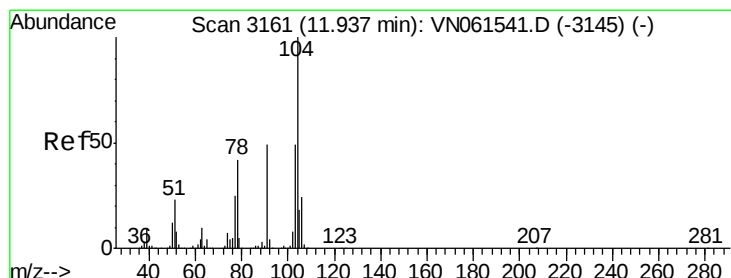
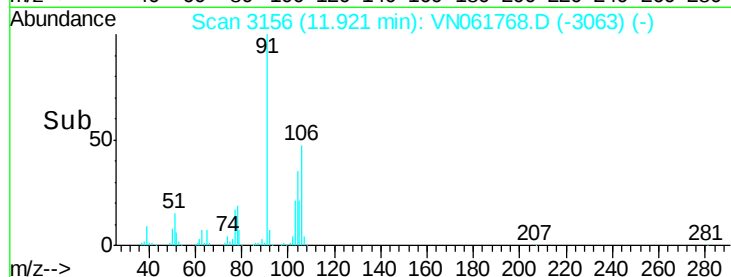
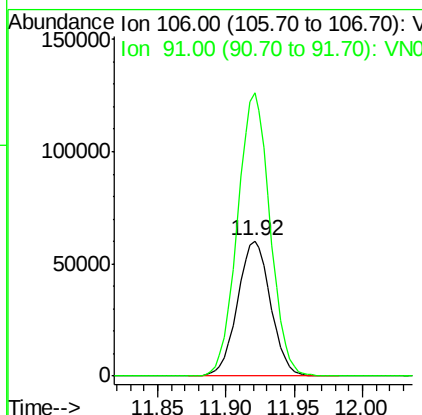
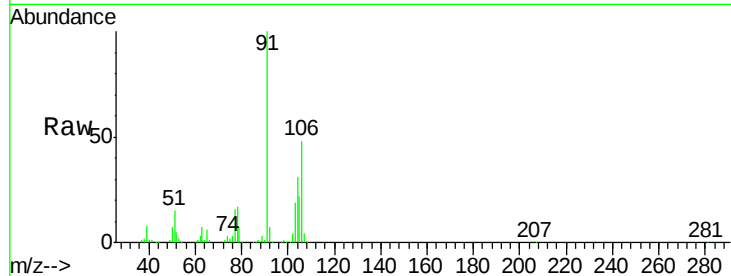
#69
o-Xylene
Concen: 18.474 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	101253		
91	91	206.3	103.3	309.8	

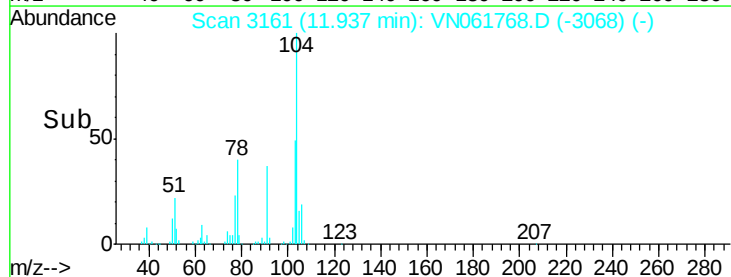
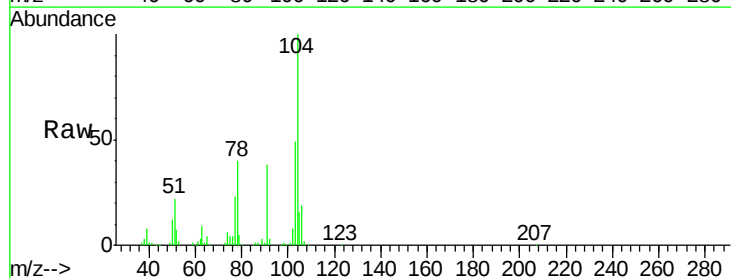
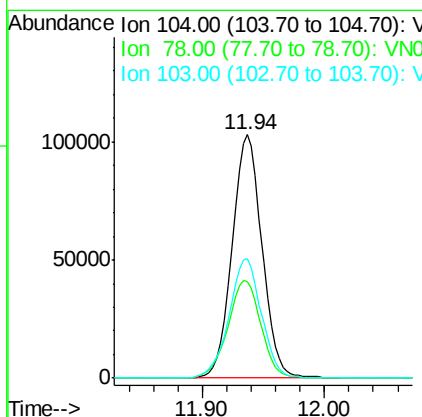
Manual Integrations
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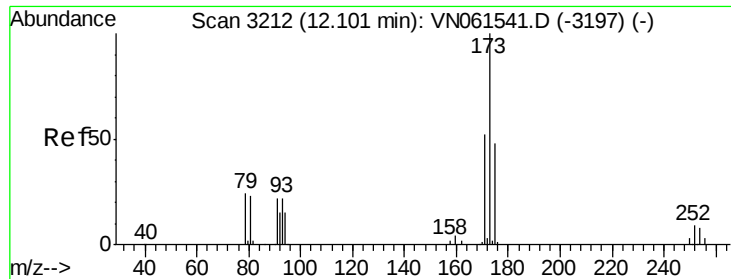
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#70
Styrene
Concen: 19.312 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	175282		
78	78	44.7	37.4	56.0	
103	103	53.4	42.3	63.5	





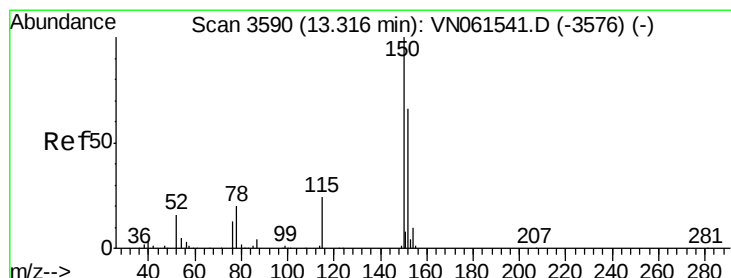
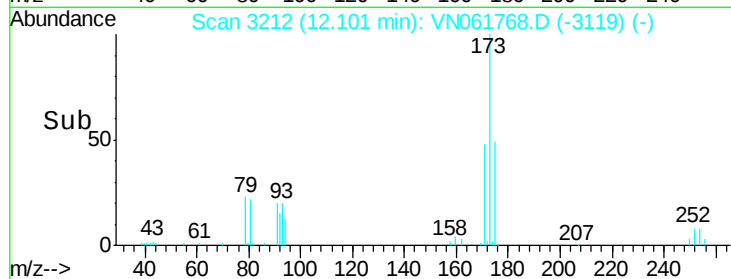
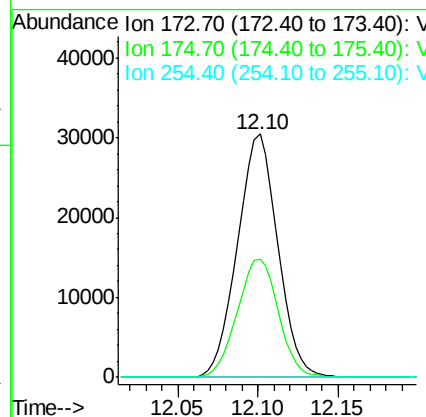
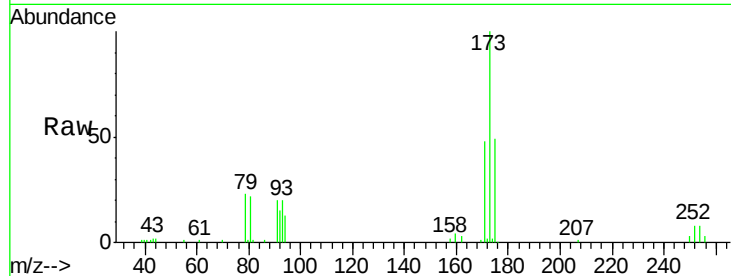
#71
Bromoform
Concen: 21.637 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.4	73.2
254	0.0	0.0	0.0

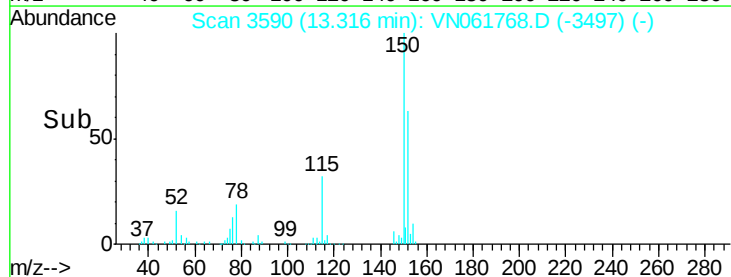
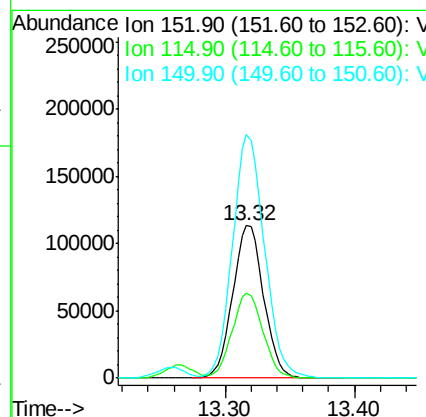
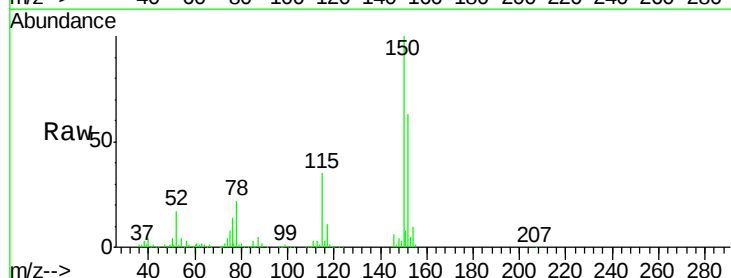
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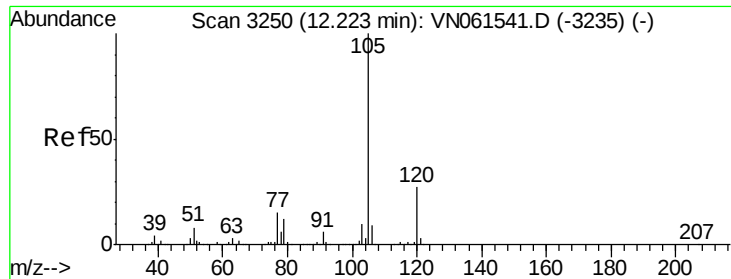
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6/12/2020 5:46:35 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.0	84.0
150	164.7	0.0	344.0





#73

Isopropylbenzene

Concen: 18.259 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampled :

VN0611WBSD02

Tot Ion:105 Resp: 251156

Ion Ratio Lower Upper

105 100

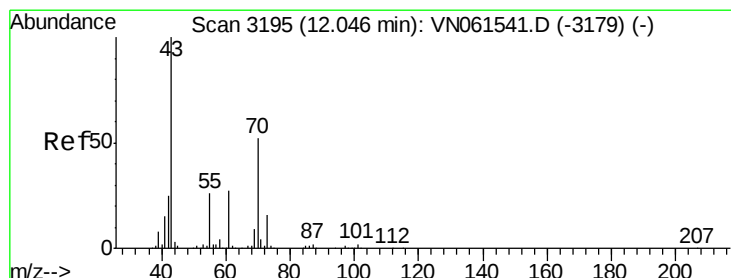
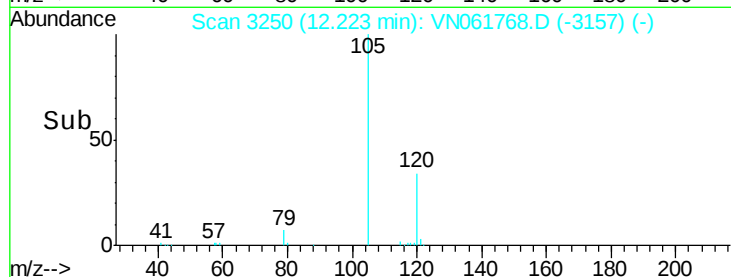
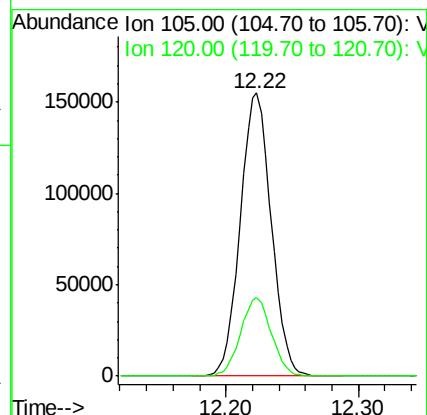
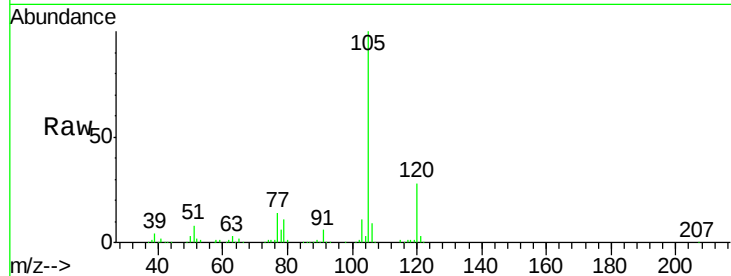
120 27.6 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.511 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Tgt Ion: 43 Resp: 80187

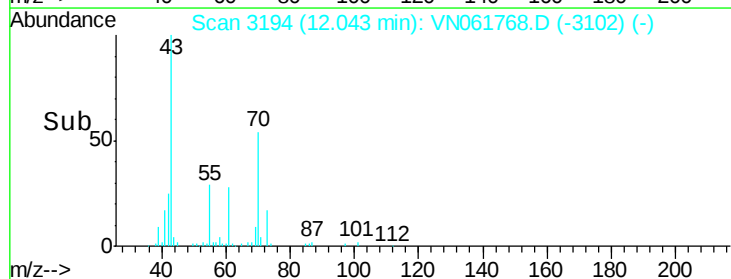
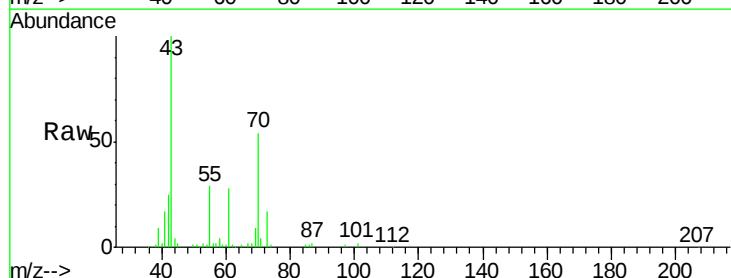
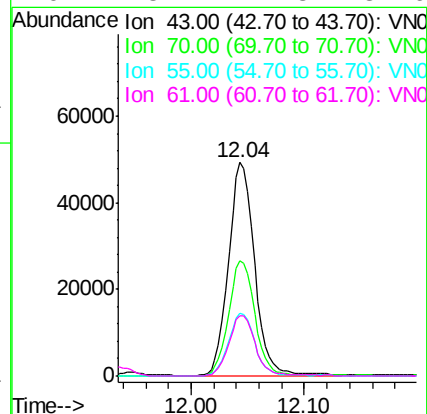
Ion Ratio Lower Upper

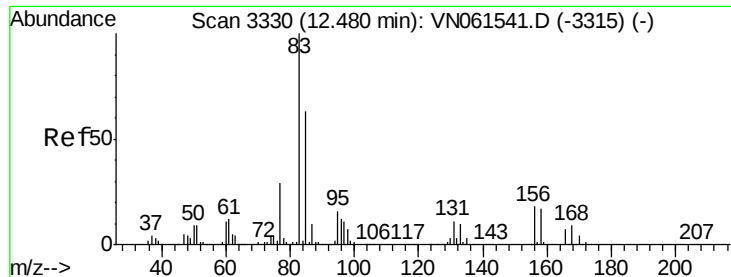
43 100

70 53.9 40.5 60.7

55 29.1 20.6 31.0

61 28.4 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.521 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

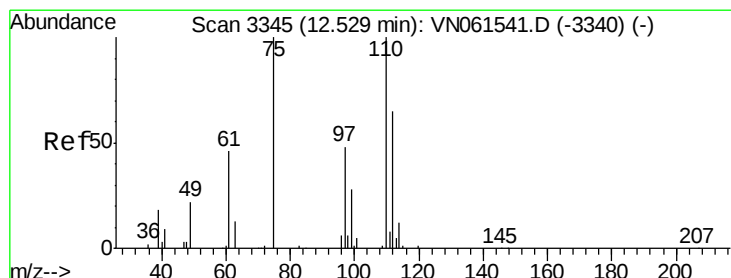
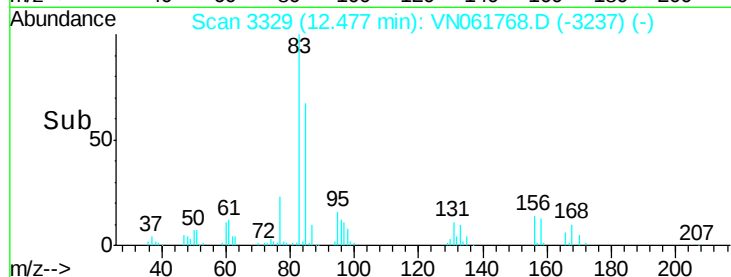
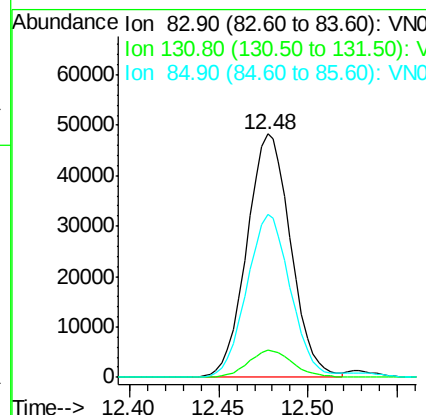
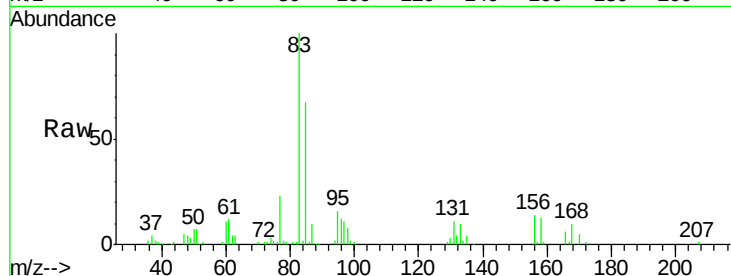
ClientSampleId :

VN0611WBSD02

Tot Ion:	83	Resp:	82956
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.5
85	66.6	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.209 ug/l m

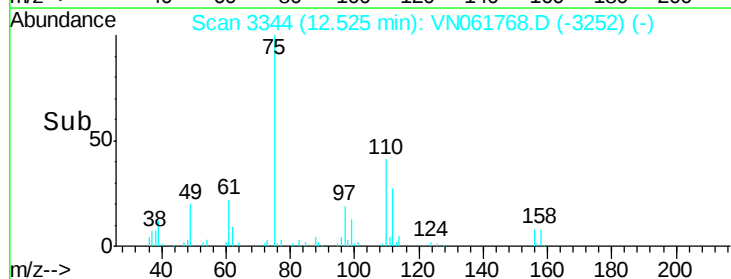
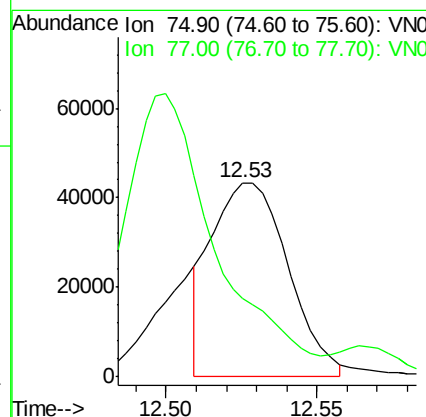
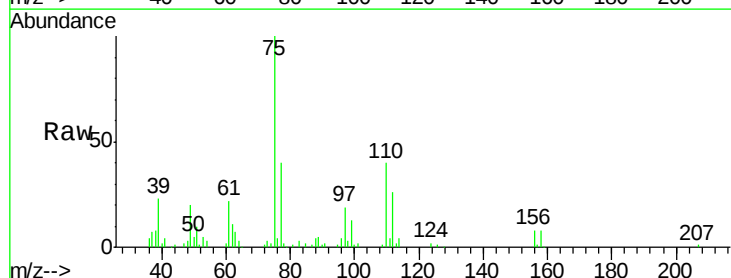
RT: 12.53 min Scan# 3344

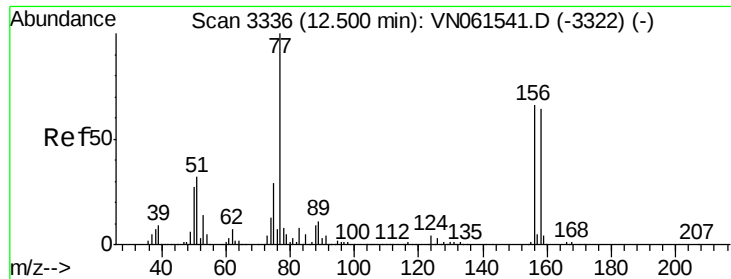
Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Tgt Ion:	75	Resp:	76108
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





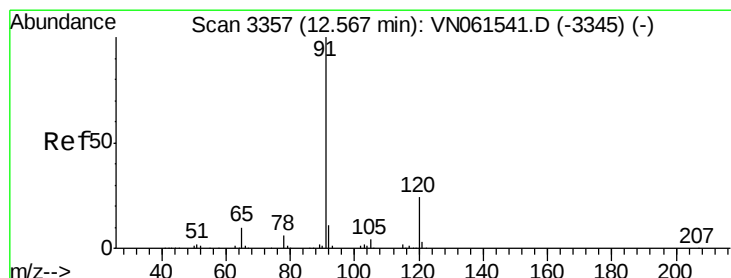
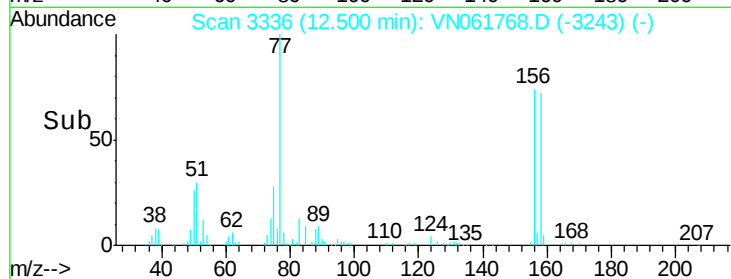
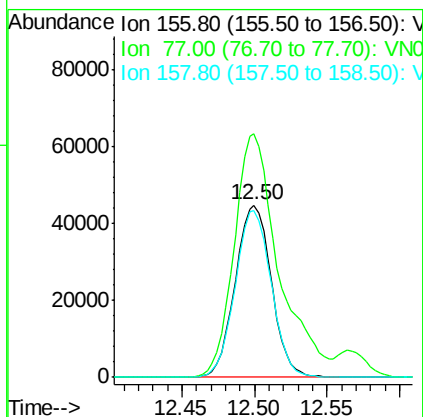
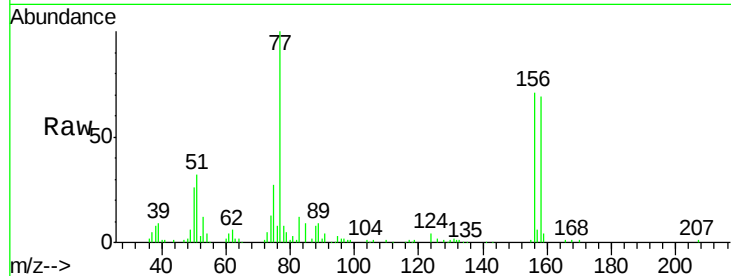
#77
Bromobenzene
Concen: 22.127 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.3	90.9	272.7
158	96.6	48.4	145.3

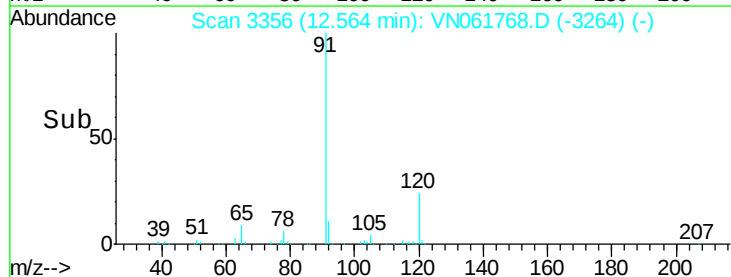
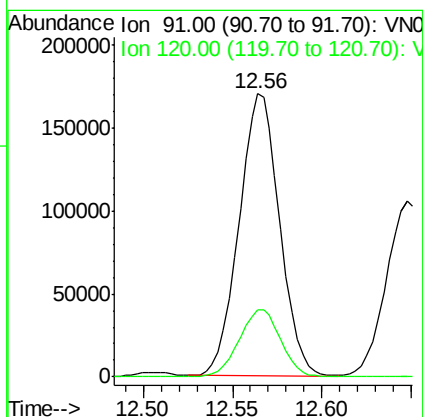
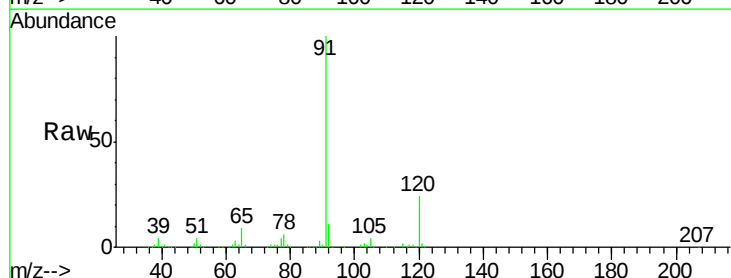
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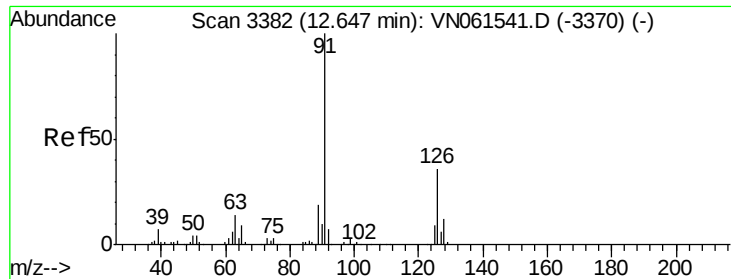
MMDadoda
6/12/2020 5:46:35 PM



#78
n-propylbenzene
Concen: 17.543 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.3	36.9





#79

2-Chlorotoluene

Concen: 18.966 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBSD02

Tot Ion: 91 Resp: 173662

Ion Ratio Lower Upper

91 100

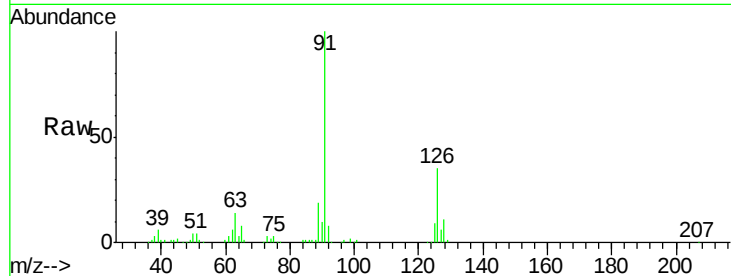
126 36.1 17.9 53.7

Manual Integrations

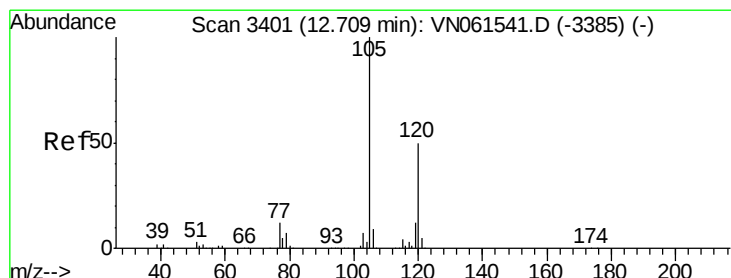
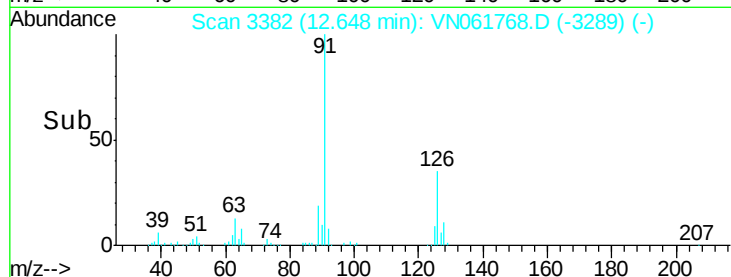
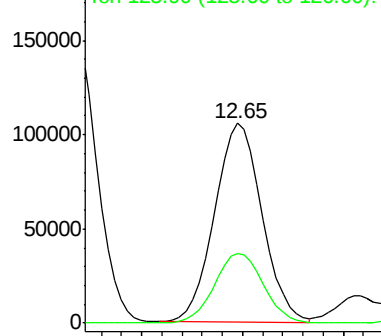
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Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.353 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061768.D

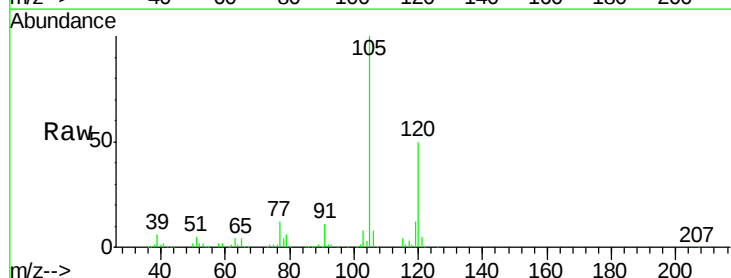
Acq: 12 Jun 2020 4:54

Tgt Ion: 105 Resp: 210999

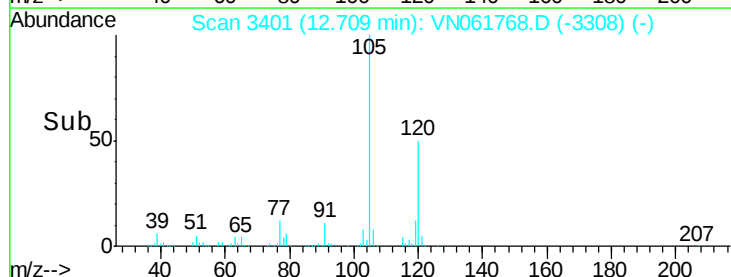
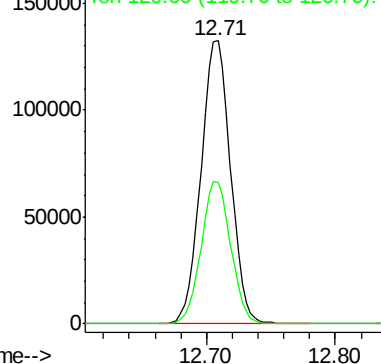
Ion Ratio Lower Upper

105 100

120 50.3 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061541.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.112 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

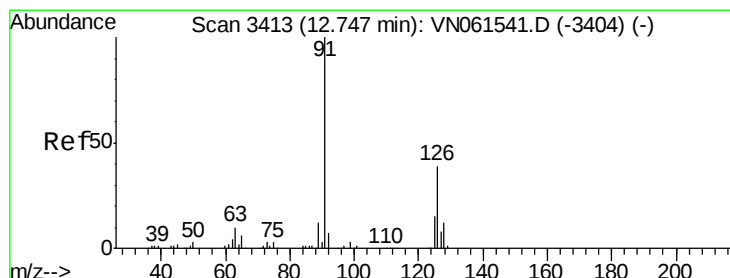
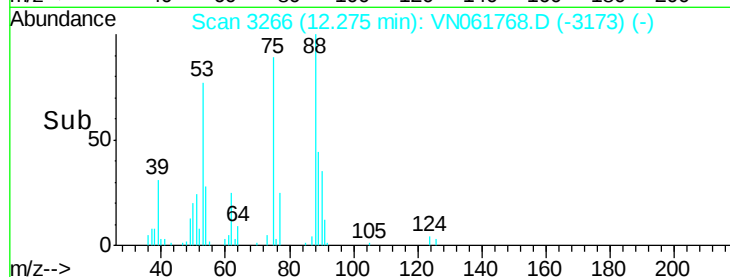
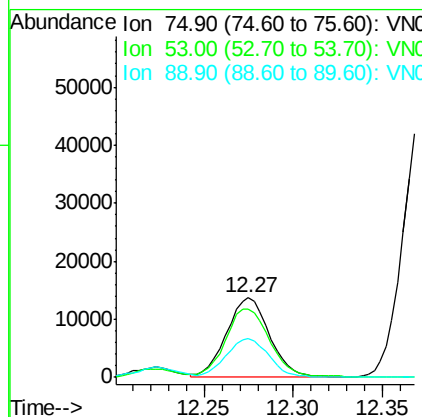
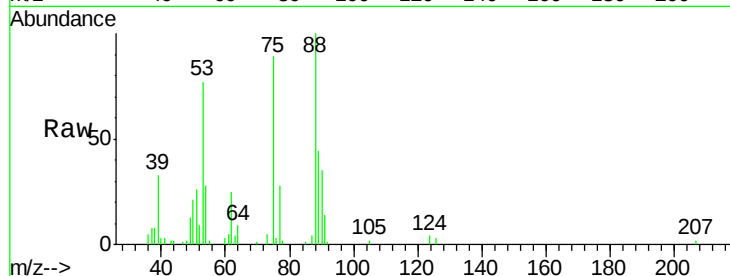
ClientSampleId :

VN0611WBSD02

Tot Ion:	75	Resp:	22931
Ion Ratio	Lower	Upper	
75	100		
53	85.6	67.8	101.8
89	48.4	37.1	55.7

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#82

4-Chlorotoluene

Concen: 18.498 ug/l

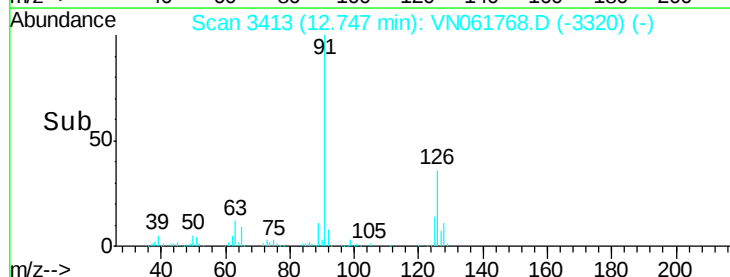
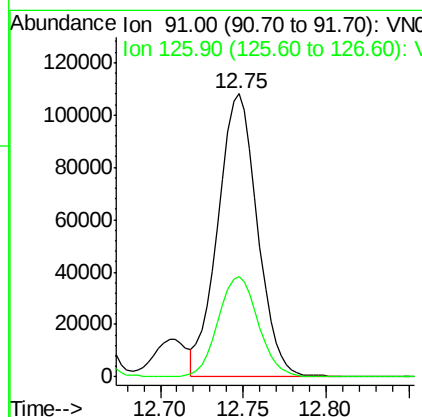
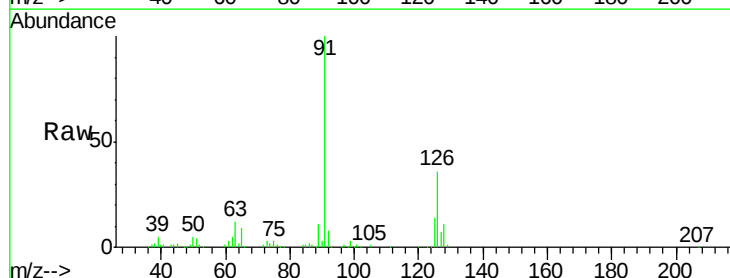
RT: 12.75 min Scan# 3413

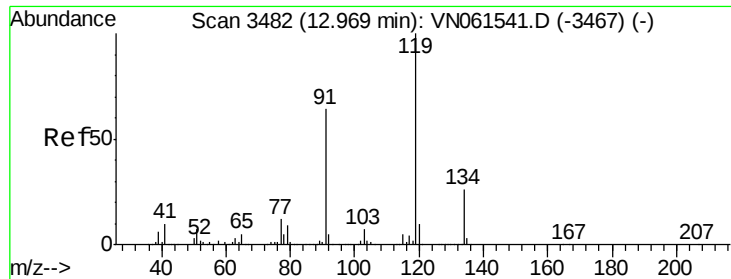
Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Tgt Ion:	91	Resp:	178182
Ion Ratio	Lower	Upper	
91	100		
126	36.3	17.5	52.6





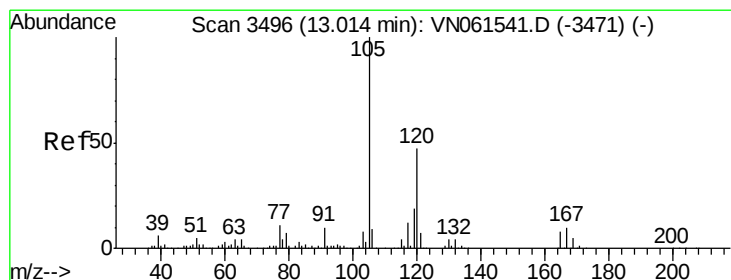
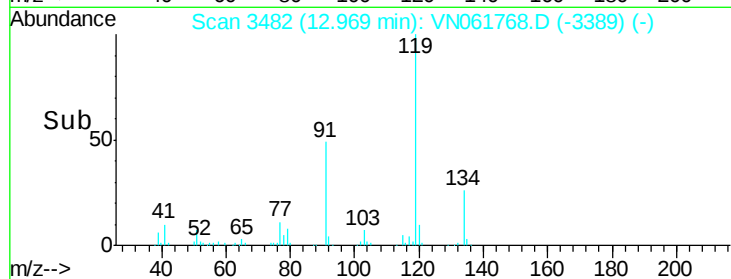
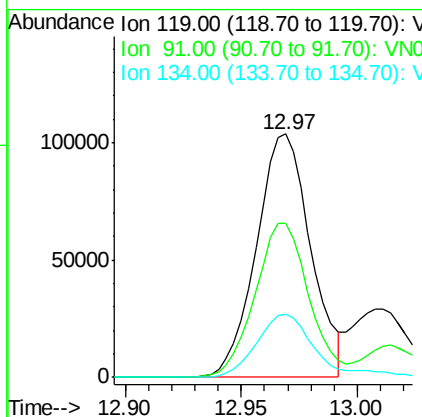
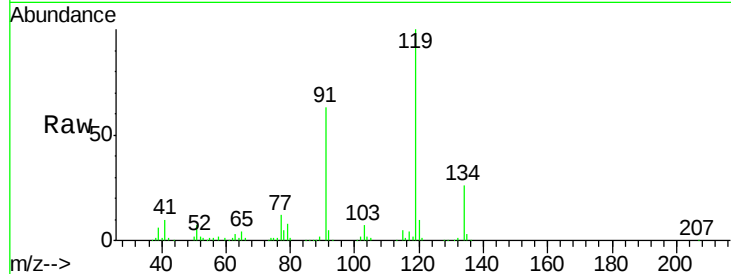
#83
 tert-Butylbenzene
 Concen: 16.650 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	169130		
91	62.7	31.3	93.8	
134	28.3	13.5	40.4	

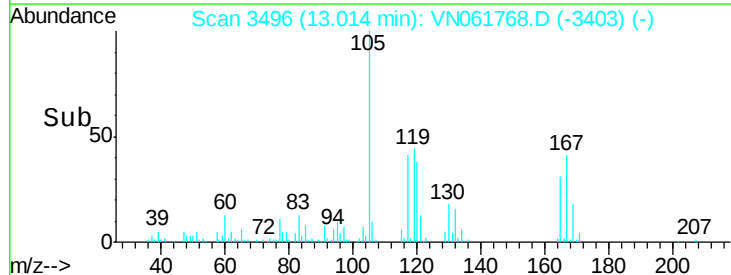
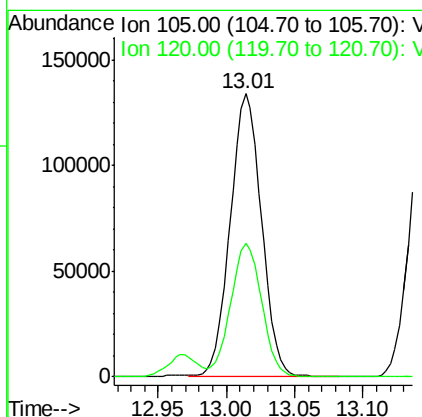
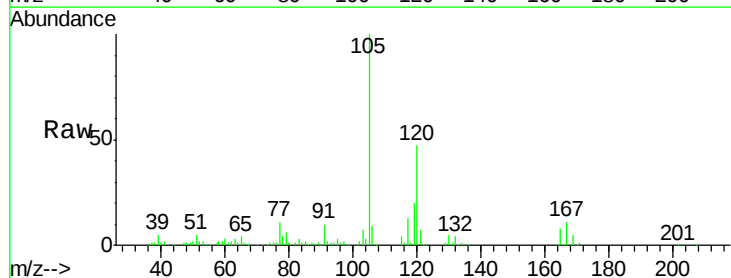
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.740 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	214033		
120	47.0	23.2	69.5	





#85

sec-Butylbenzene

Concen: 16.641 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBSD02

Tot Ion:105 Resp: 217826

Ion Ratio Lower Upper

105 100

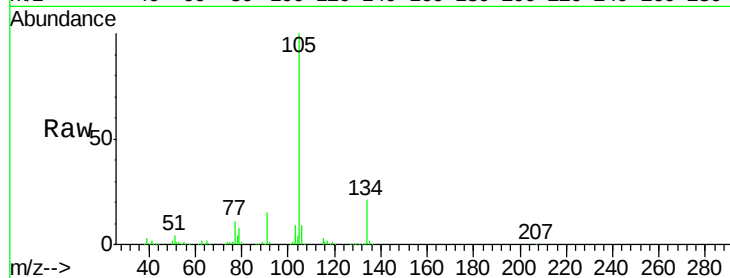
134 20.5 10.7 31.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

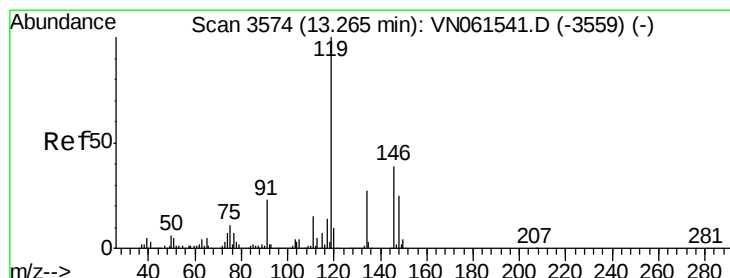
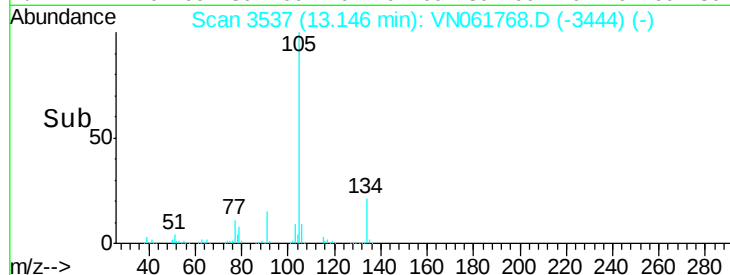
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 16.702 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

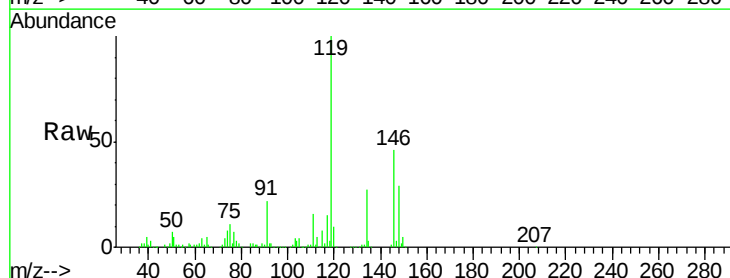
Tgt Ion:119 Resp: 201329

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

91 22.2 11.4 34.1



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

13.26

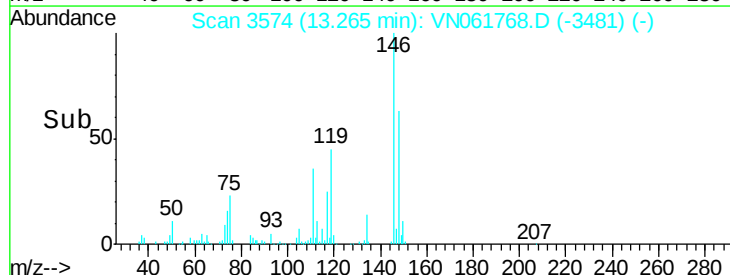
150000

100000

50000

0

Time-->





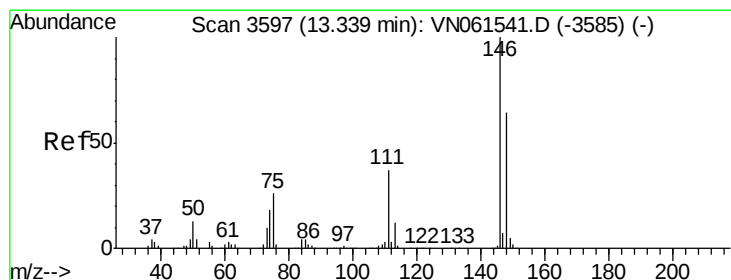
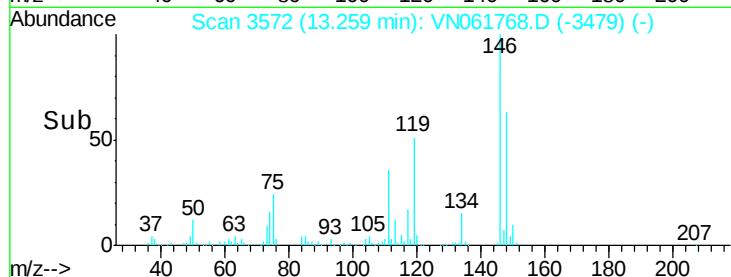
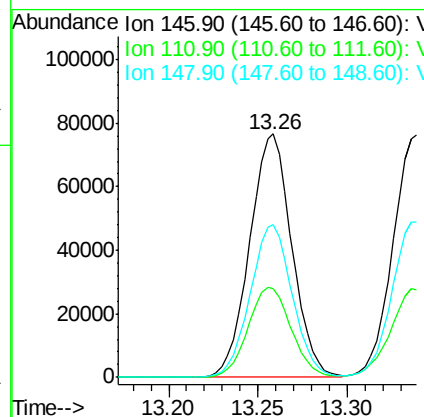
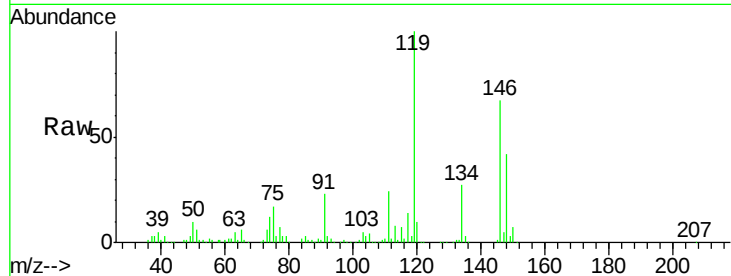
#87
 1,3-Dichlorobenzene
 Concen: 20.354 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.2	57.6
148	62.5	31.7	95.1

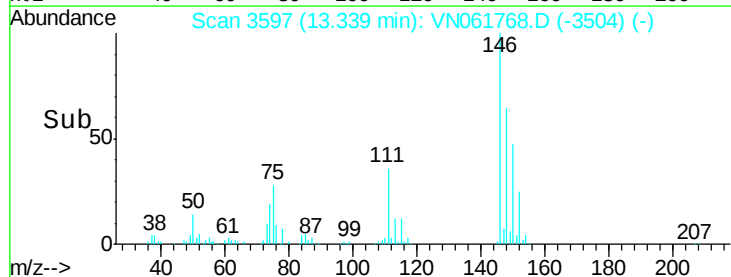
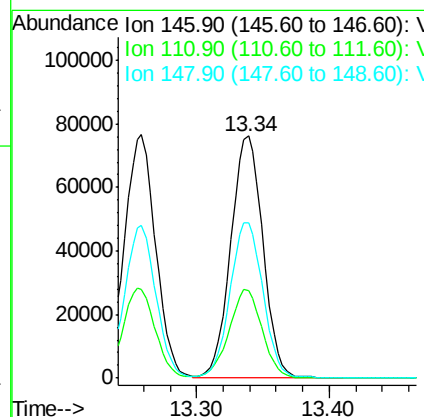
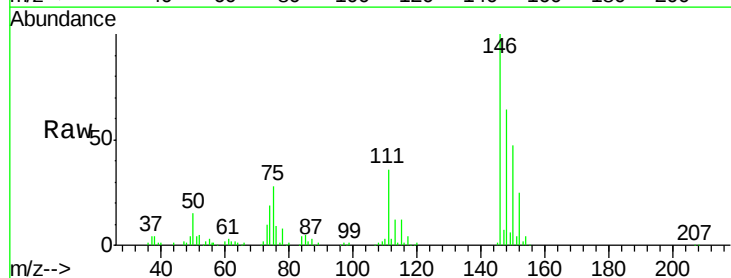
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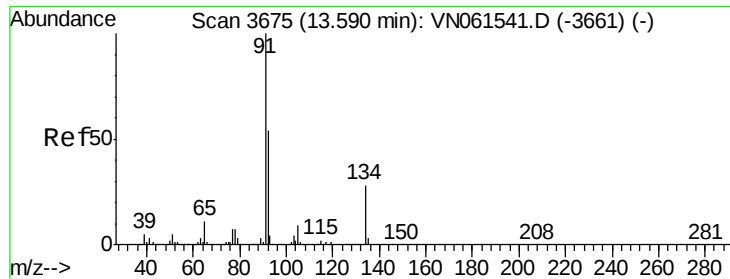
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#88
 1,4-Dichlorobenzene
 Concen: 20.320 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.9
148	65.5	31.8	95.3





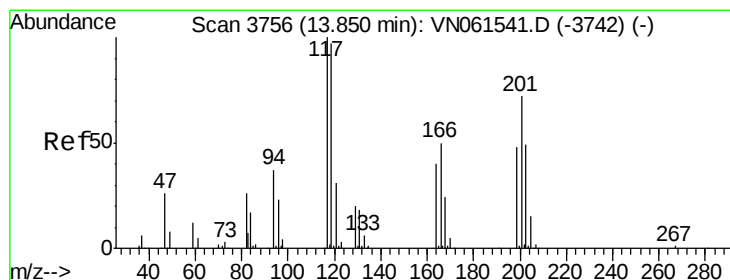
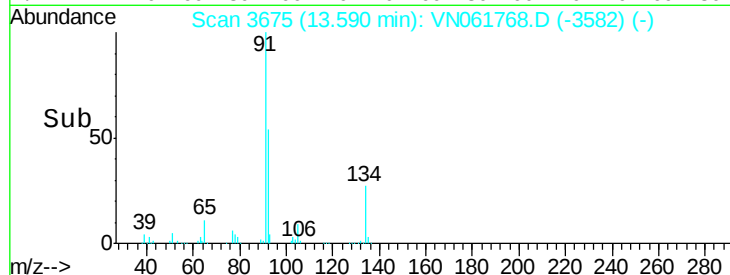
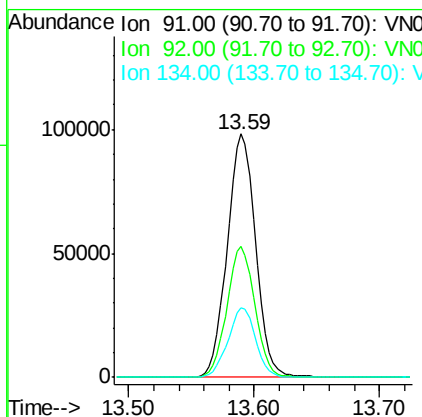
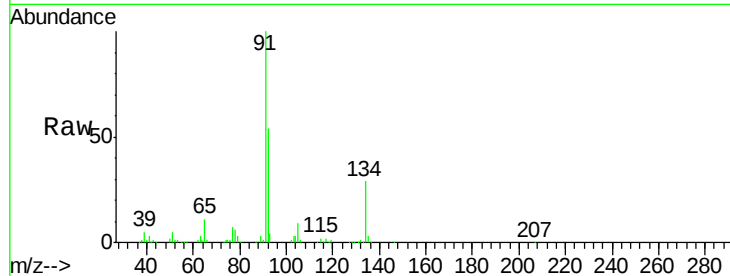
#89
n-Butylbenzene
Concen: 15.299 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.2	81.6
134	27.7	14.0	42.0

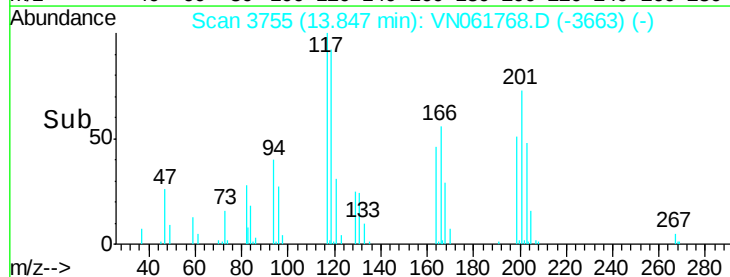
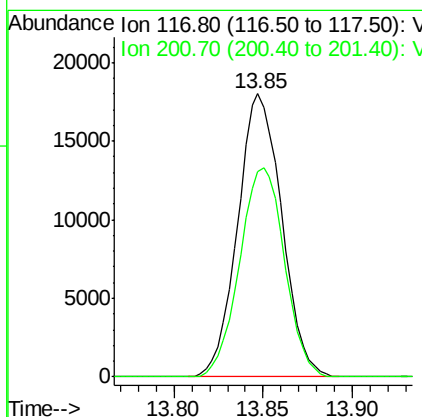
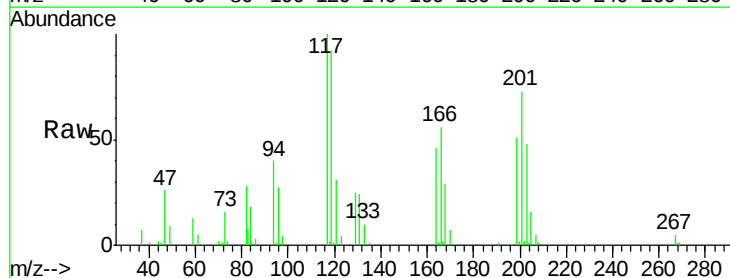
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#90
Hexachloroethane
Concen: 23.264 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061768.D
Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.2	36.7	110.1





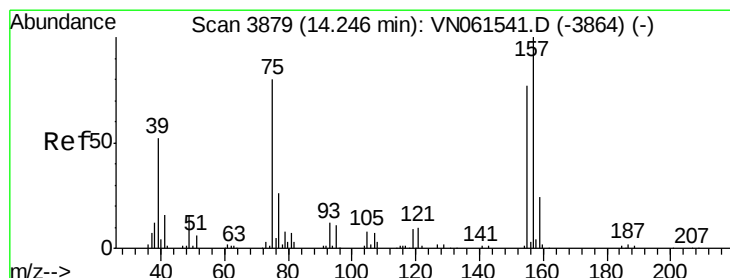
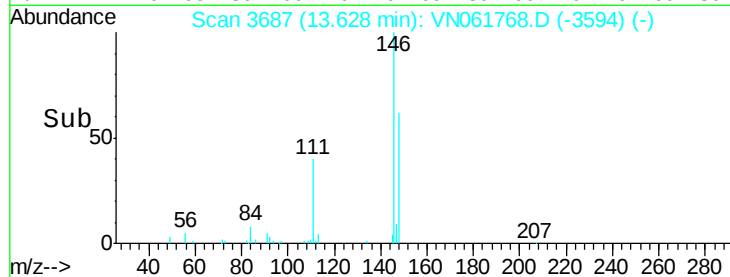
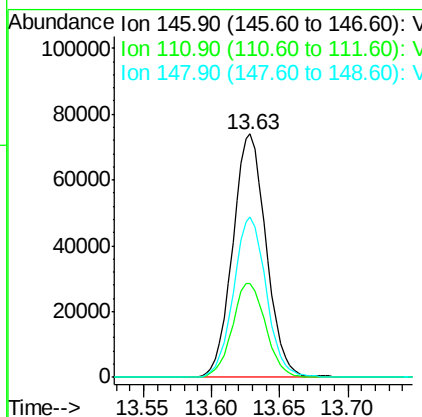
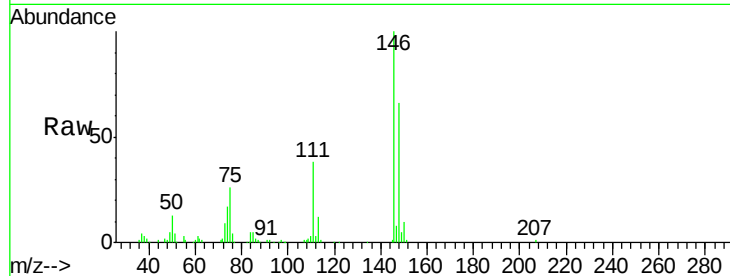
#91
 1,2-Dichlorobenzene
 Concen: 21.198 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.1	60.2
148	64.7	31.9	95.5

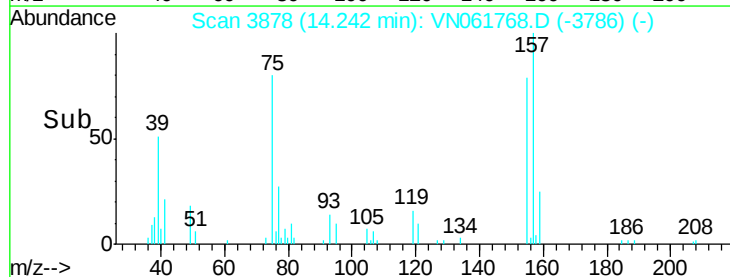
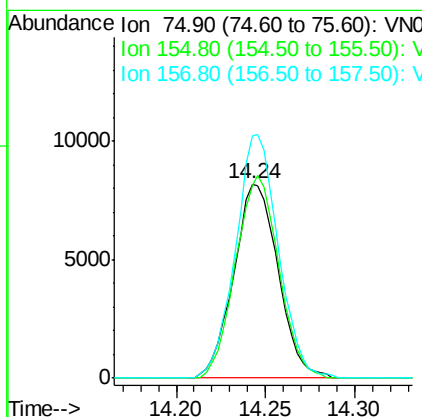
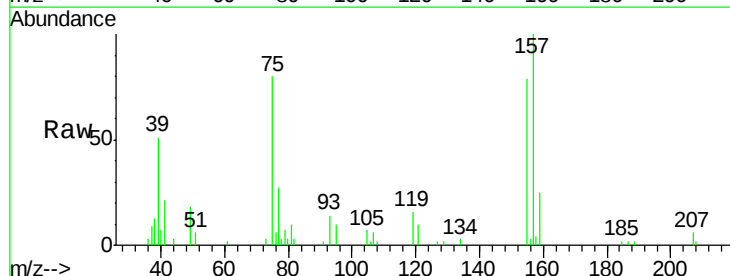
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.112 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.3	47.1	141.4
157	120.8	60.3	180.8





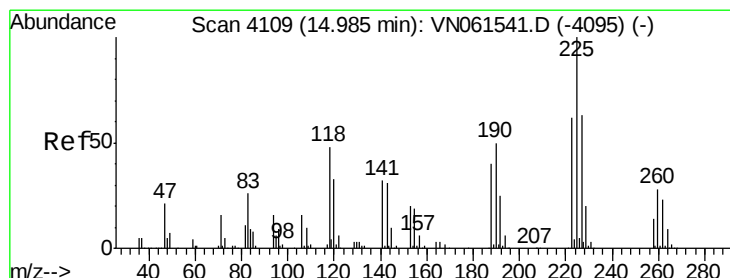
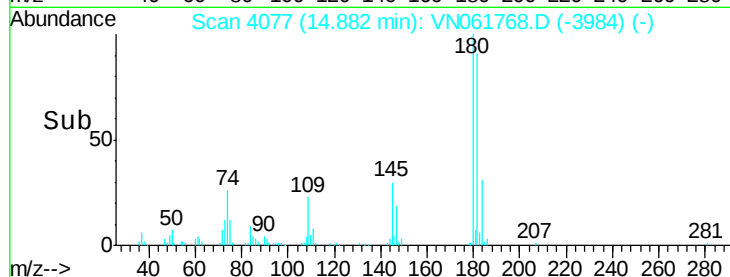
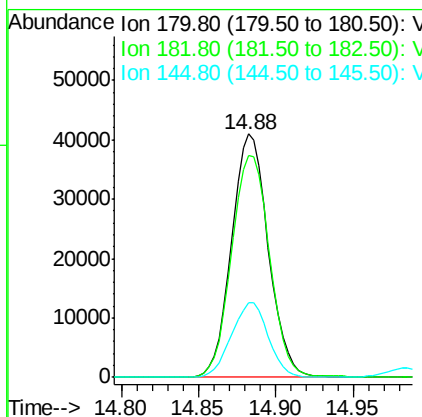
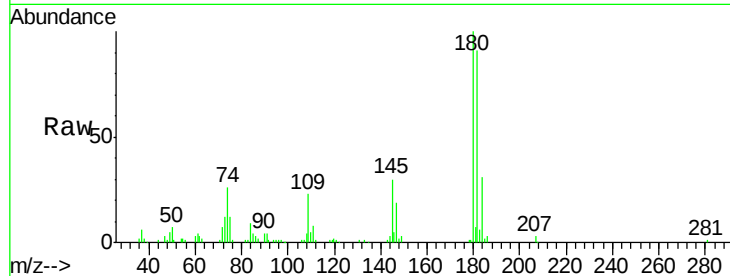
#93
 1,2,4-Trichlorobenzene
 Concen: 19.392 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	67386		
182	94.6	47.8	143.3	
145	30.9	15.5	46.5	

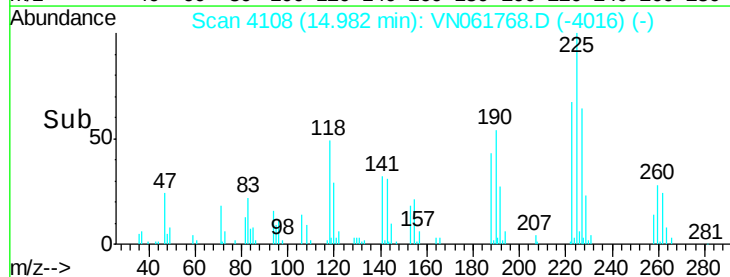
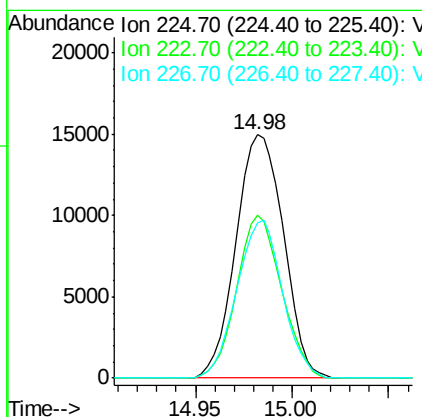
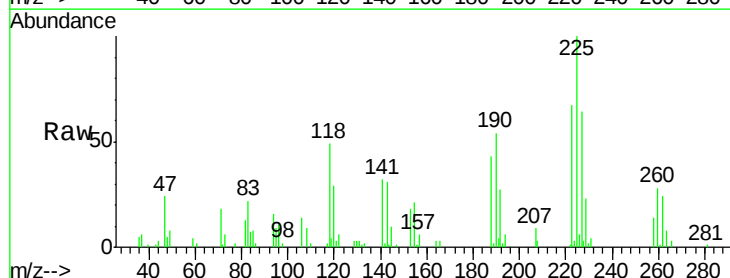
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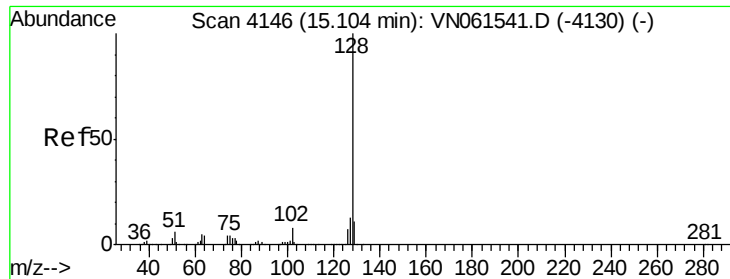
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#94
 Hexachlorobutadiene
 Concen: 17.286 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061768.D
 Acq: 12 Jun 2020 4:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25619		
223	63.0	31.9	95.5	
227	62.1	31.9	95.9	





#95

Naphthalene

Concen: 18.850 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA_N

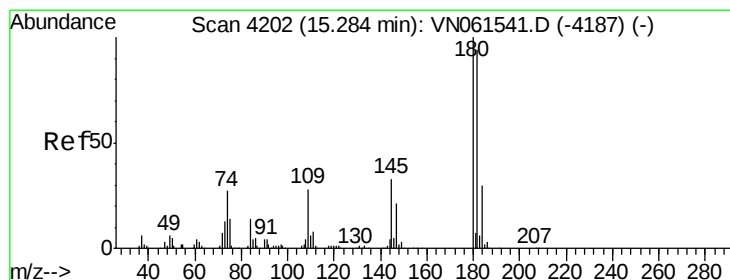
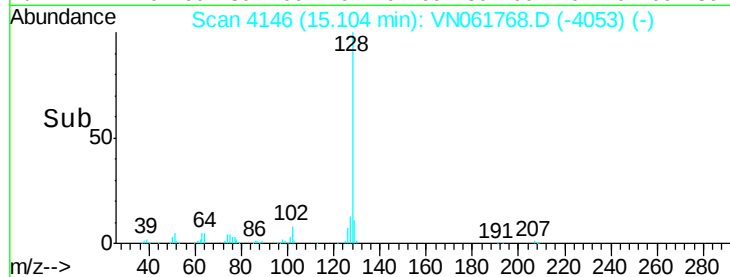
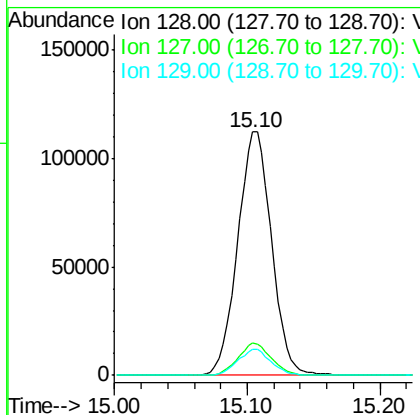
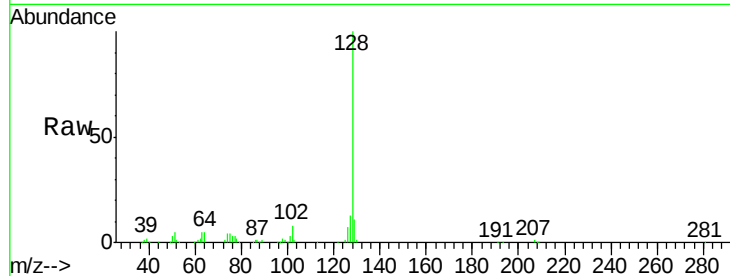
ClientSampleId :

VN0611WBSD02

Tot Ion:	128	Resp:	199374
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.0	15.0
129	10.5	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/12/2020 5:46:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.141 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Tgt Ion:	180	Resp:	68816
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.1	141.3
145	31.9	16.3	48.9

