

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061558.D
 Acq On : 29 May 2020 11:35
 Operator : JC/MD
 Sample : VN0529WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/1/2020 12:29:48 PM

Quant Time: May 30 06:27:43 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	350831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	600134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	565498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	274284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	224199	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
35) Dibromofluoromethane	7.54	113	170751	56.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.18%	
50) Toluene-d8	10.06	98	738742	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.37	95	266954	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	83134	21.200	ug/l	100
3) Chloromethane	2.03	50	92827	21.694	ug/l	99
4) Vinyl Chloride	2.16	62	127117	21.678	ug/l	97
5) Bromomethane	2.54	94	77499	23.033	ug/l	100
6) Chloroethane	2.67	64	80094	21.221	ug/l	99
7) Trichlorofluoromethane	2.98	101	167192	22.111	ug/l	99
8) Diethyl Ether	3.37	74	46204	19.983	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	71684	21.363	ug/l	97
10) Methyl Iodide	3.91	142	93054	19.977	ug/l	99
11) Tert butyl alcohol	4.73	59	65427	117.679	ug/l #	88
12) 1,1-Dichloroethene	3.69	96	71259	19.878	ug/l	96
13) Acrolein	3.57	56	16365	80.877	ug/l	100
14) Allyl chloride	4.27	41	96141	20.514	ug/l	99
15) Acrylonitrile	4.92	53	158233	101.964	ug/l	100
16) Acetone	3.77	43	125792	105.615	ug/l	100
17) Carbon Disulfide	4.00	76	167613	21.252	ug/l	97
18) Methyl Acetate	4.27	43	74060	19.572	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	247358	20.246	ug/l	97
20) Methylene Chloride	4.50	84	78905	19.715	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	80973	20.029	ug/l	94
22) Diisopropyl ether	5.90	45	214036	20.721	ug/l	97
23) Vinyl Acetate	5.84	43	830770	100.908	ug/l	99
24) 1,1-Dichloroethane	5.79	63	134342	20.510	ug/l	99
25) 2-Butanone	6.78	43	200553	101.239	ug/l	100
26) 2,2-Dichloropropane	6.77	77	129905	21.668	ug/l	98
27) cis-1,2-Dichloroethene	6.77	96	93620	20.450	ug/l	96
28) Bromochloromethane	7.15	49	56598	22.242	ug/l	96
29) Tetrahydrofuran	7.16	42	130987	100.273	ug/l	99
30) Chloroform	7.33	83	150873	20.820	ug/l	98
31) Cyclohexane	7.61	56	121306	20.592	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	135980	20.593	ug/l	98
36) 1,1-Dichloropropene	7.75	75	109551	20.620	ug/l	99
37) Ethyl Acetate	6.88	43	85711	20.030	ug/l	99
38) Carbon Tetrachloride	7.73	117	104969	20.484	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	136651	20.868	ug/l	99
40) Benzene	8.00	78	333022	20.316	ug/l	100
41) Methacrylonitrile	7.12	41	42107	21.478	ug/l #	81
42) 1,2-Dichloroethane	8.08	62	113121	20.613	ug/l	98
43) Isopropyl Acetate	8.12	43	151117	19.629	ug/l	99
44) Trichloroethene	8.80	130	100650	19.979	ug/l	100
45) 1,2-Dichloropropane	9.08	63	78783	20.240	ug/l	99
46) Dibromomethane	9.17	93	59414	19.902	ug/l	96
47) Bromodichloromethane	9.37	83	118284	19.999	ug/l	97
48) Methyl methacrylate	9.17	41	64327	18.572	ug/l	98
49) 1,4-Dioxane	9.16	88	29429	548.452	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	427419	98.522	ug/l	99
52) Toluene	10.12	92	219450	20.511	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	130261	20.444	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	136105	19.867	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	86613	20.320	ug/l	97
56) Ethyl methacrylate	10.40	69	117494	19.732	ug/l	99
57) 1,3-Dichloropropane	10.68	76	139003	20.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	260062	102.203	ug/l	99
59) 2-Hexanone	10.72	43	304264	97.656	ug/l	100
60) Dibromochloromethane	10.87	129	97730	20.167	ug/l	98
61) 1,2-Dibromoethane	10.98	107	88994	20.018	ug/l	99
64) Tetrachloroethene	10.60	164	105589	19.836	ug/l	97
65) Chlorobenzene	11.40	112	236286	20.102	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	87680	20.033	ug/l	99
67) Ethyl Benzene	11.48	91	415229	20.438	ug/l	99
68) m/p-Xylenes	11.59	106	329062	40.849	ug/l	100
69) o-Xylene	11.92	106	153415	20.051	ug/l	97
70) Styrene	11.94	104	256791	20.266	ug/l	99
71) Bromoform	12.10	173	62289	18.469	ug/l #	97
73) Isopropylbenzene	12.22	105	416617	20.811	ug/l	99
74) N-amyl acetate	12.04	43	124693	19.778	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	110290	19.660	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	103043m	20.660	ug/l	
77) Bromobenzene	12.50	156	101645	19.891	ug/l	96
78) n-propylbenzene	12.56	91	467216	20.906	ug/l	98
79) 2-Chlorotoluene	12.65	91	267548	20.077	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	346291	20.696	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	37992	19.480	ug/l	99
82) 4-Chlorotoluene	12.75	91	281771	20.099	ug/l	99
83) tert-Butylbenzene	12.97	119	301331	20.383	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	349369	21.018	ug/l	100
85) sec-Butylbenzene	13.15	105	397916	20.888	ug/l	98
86) p-Isopropyltoluene	13.26	119	367341	20.939	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	181367	20.043	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	179243	19.444	ug/l	97
89) n-Butylbenzene	13.59	91	309123	21.037	ug/l	98
90) Hexachloroethane	13.85	117	42618	21.966	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	173623	20.078	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20590	17.996	ug/l	98

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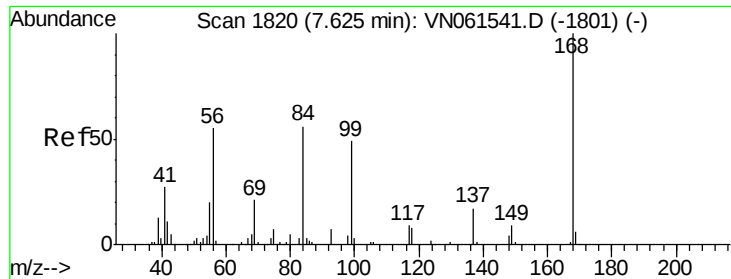
Manual Integrations
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QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	97012	19.182	ug/l	99
94) Hexachlorobutadiene	14.98	225	43445	20.142	ug/l	97
95) Naphthalene	15.10	128	287531	18.679	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	95650	19.236	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

Tot Ion:168 Resp: 350831

Ion Ratio Lower Upper

168 100

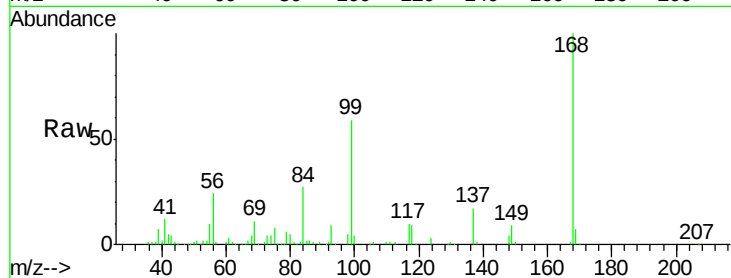
99 58.7 45.0 67.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

150000

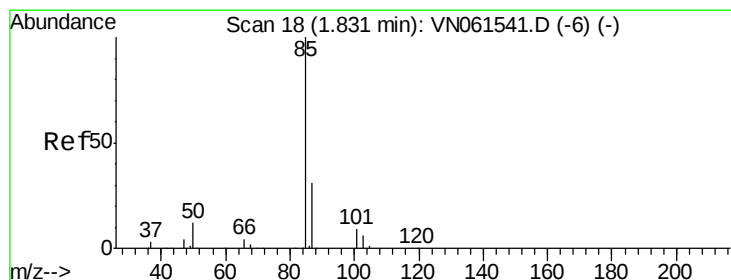
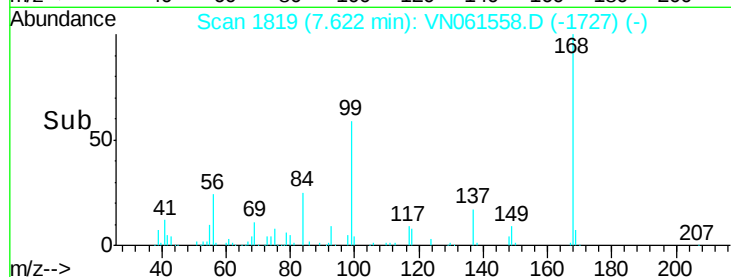
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.200 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061558.D

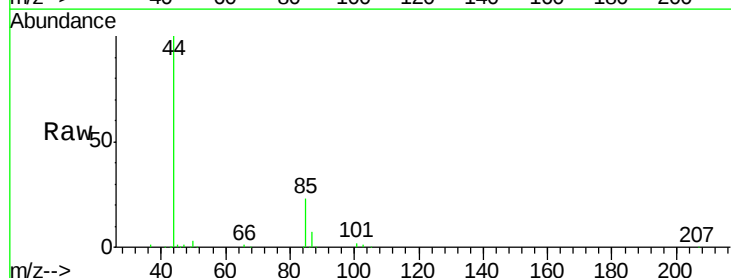
Acq: 29 May 2020 11:35

Tgt Ion: 85 Resp: 83134

Ion Ratio Lower Upper

85 100

87 31.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

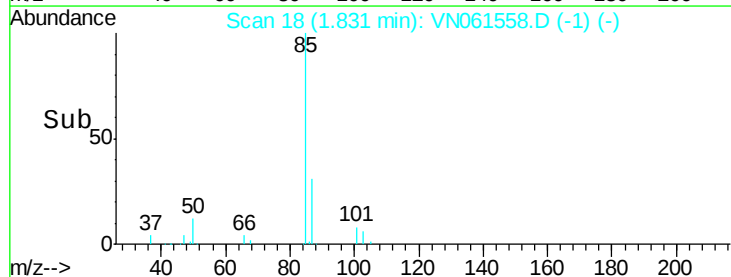
40000

20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.694 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

Tot Ion: 50 Resp: 92827

Ion Ratio Lower Upper

50 100

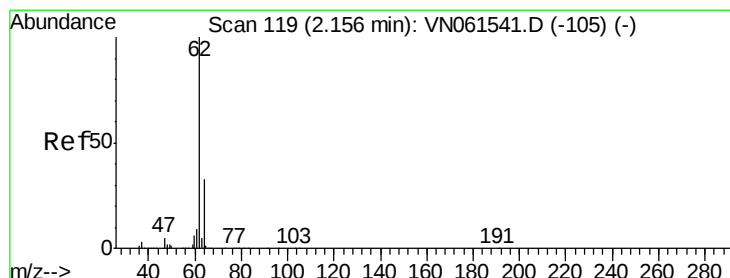
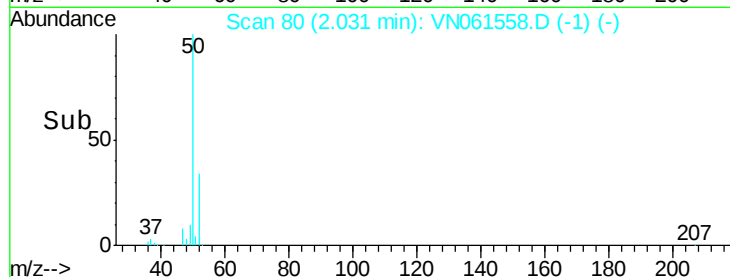
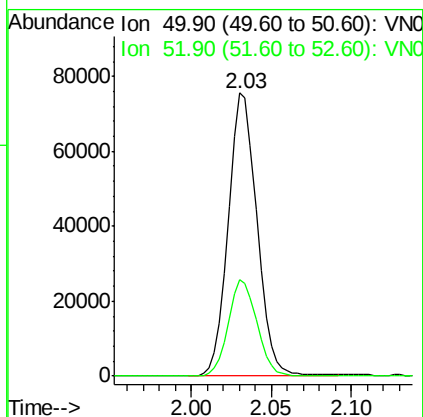
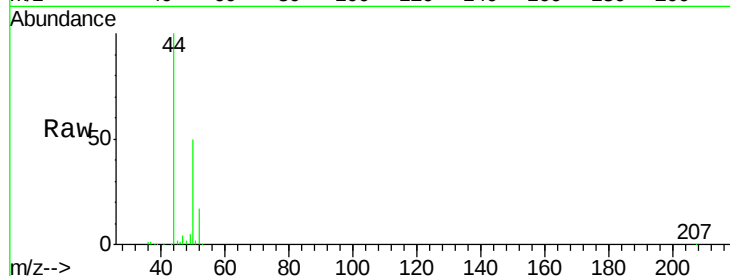
52 33.9 26.7 40.1

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#4

Vinyl Chloride

Concen: 21.678 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061558.D

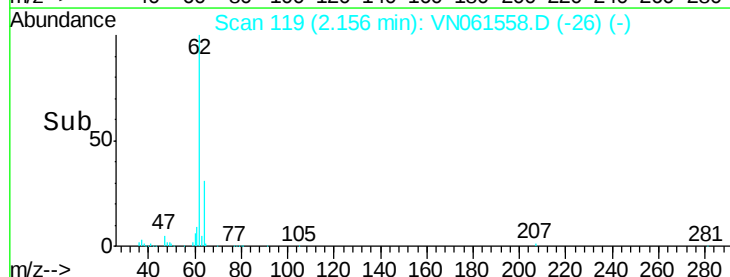
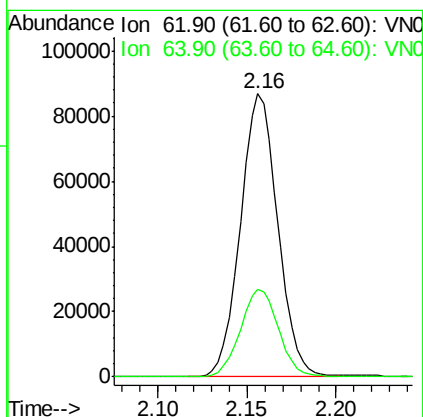
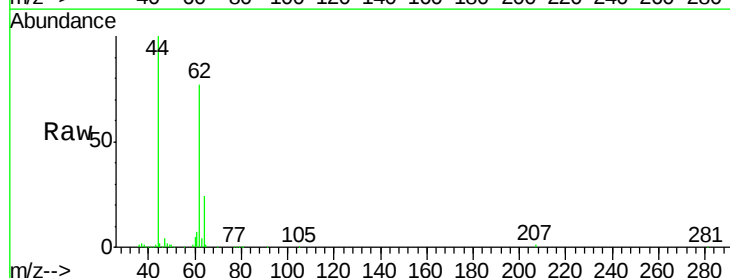
Acq: 29 May 2020 11:35

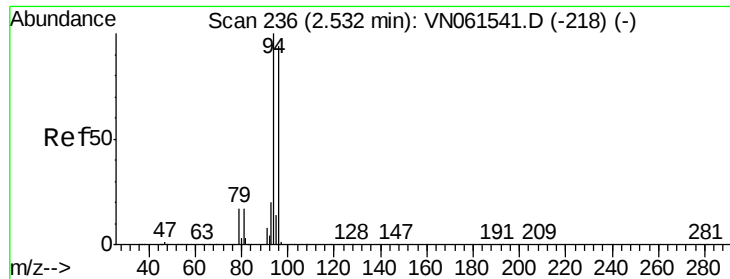
Tgt Ion: 62 Resp: 127117

Ion Ratio Lower Upper

62 100

64 30.8 26.2 39.2





#5

Bromomethane

Concen: 23.033 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

Tot Ion: 94 Resp: 77499

Ion Ratio Lower Upper

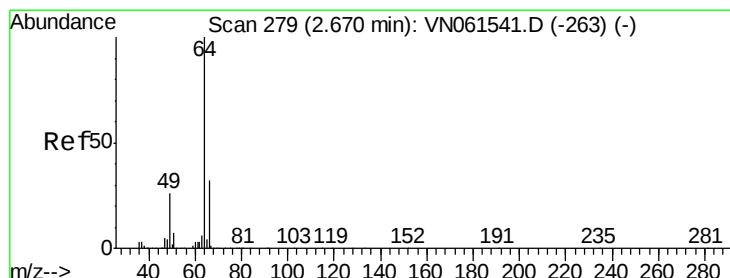
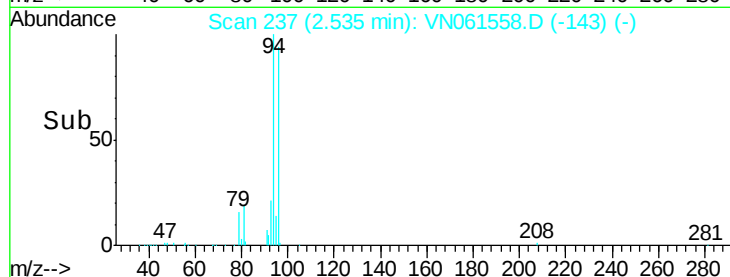
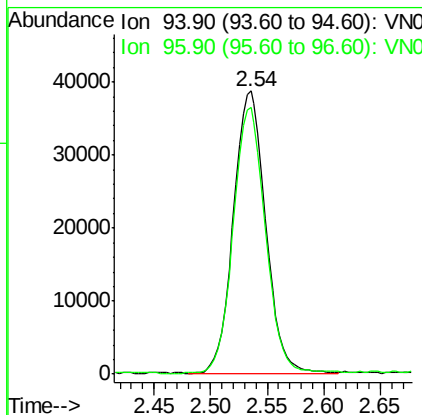
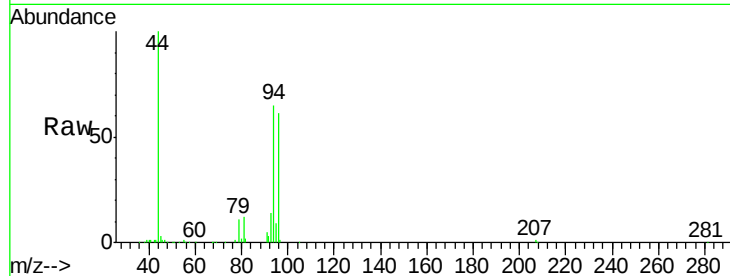
94 100

96 93.5 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 21.221 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061558.D

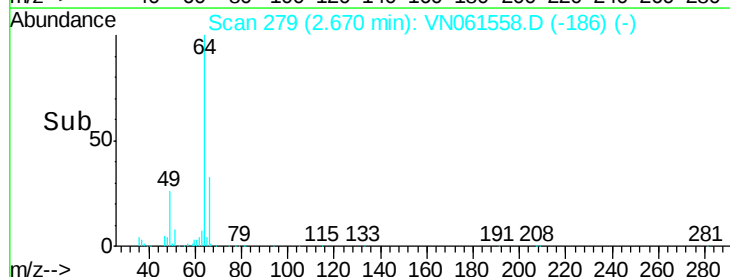
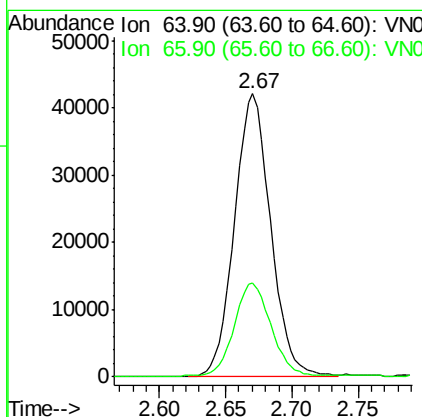
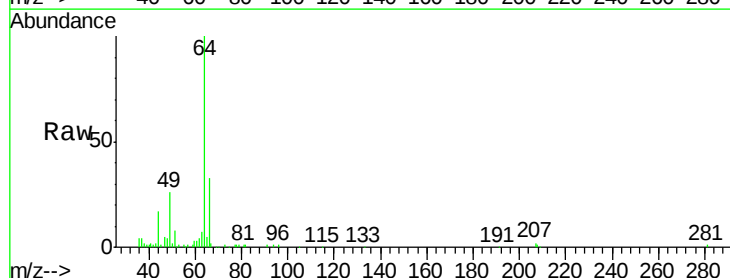
Acq: 29 May 2020 11:35

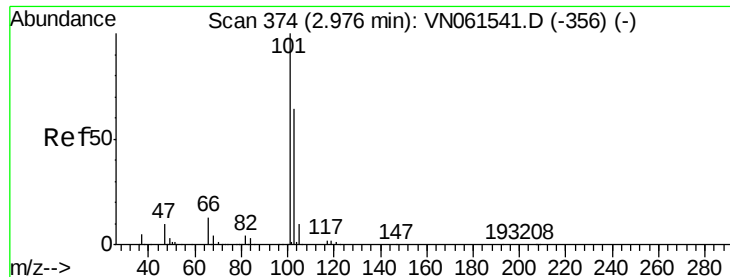
Tgt Ion: 64 Resp: 80094

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4





#7

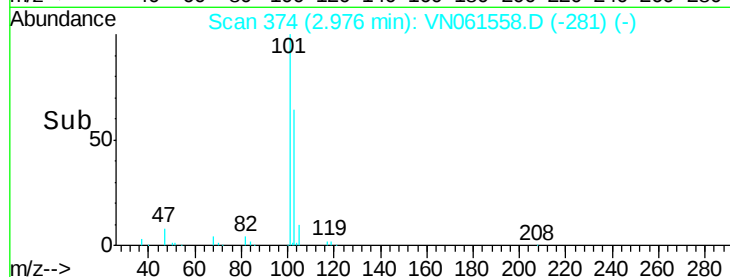
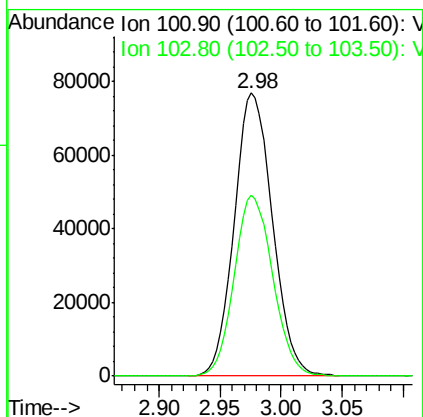
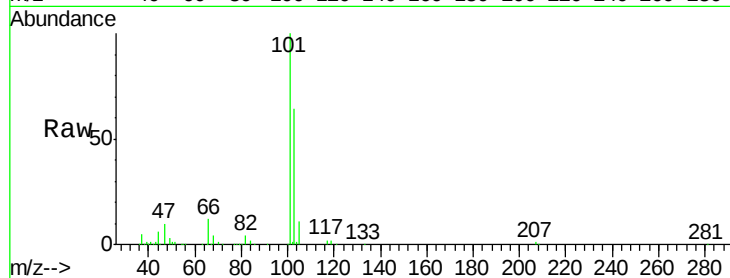
Trichlorofluoromethane
Concen: 22.111 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN061558.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.4	77.2

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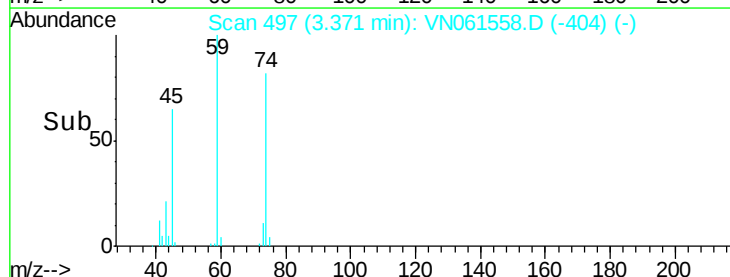
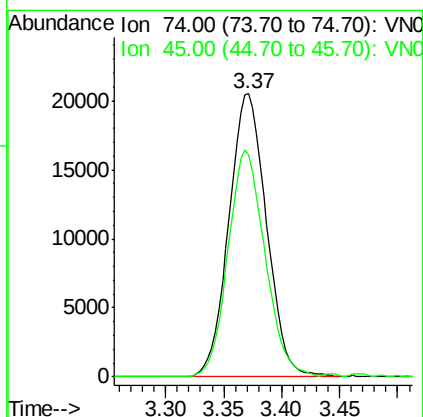
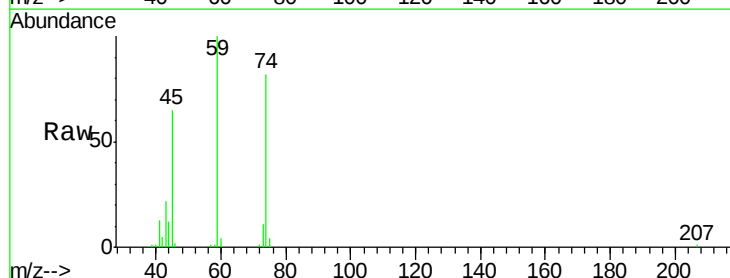
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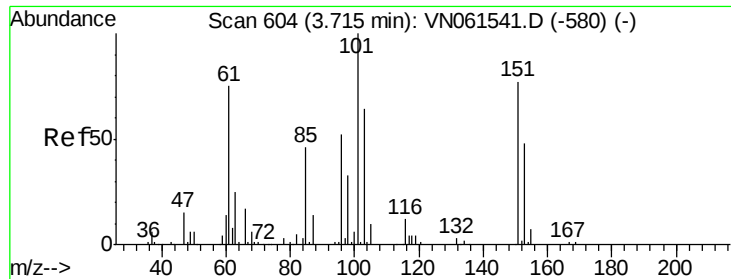


#8

Diethyl Ether
Concen: 19.983 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.8	39.9	119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.363 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

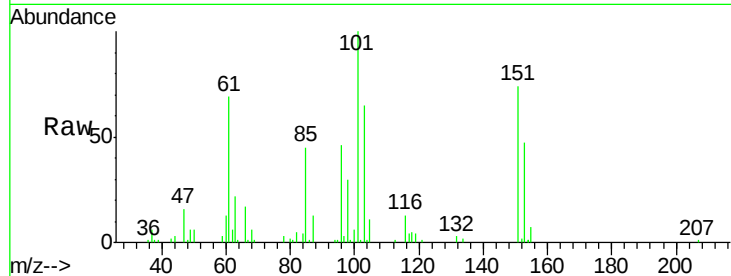
ClientSampleId :

VN0529WBS01

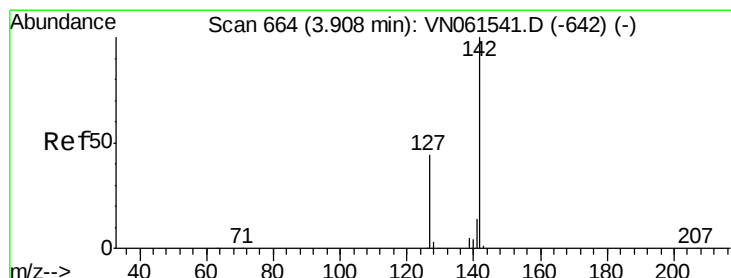
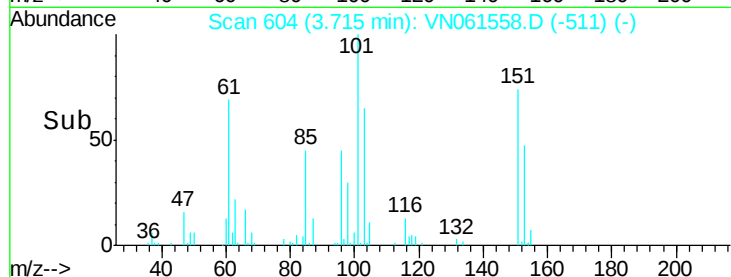
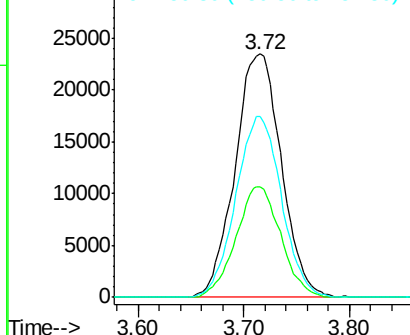
Tot Ion:	101	Resp:	71684
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.2	52.8
151	73.1	61.0	91.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.977 ug/l

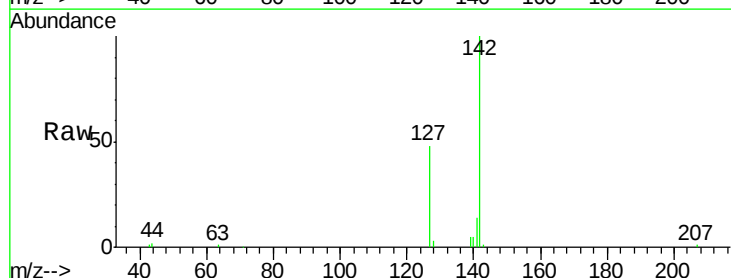
RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

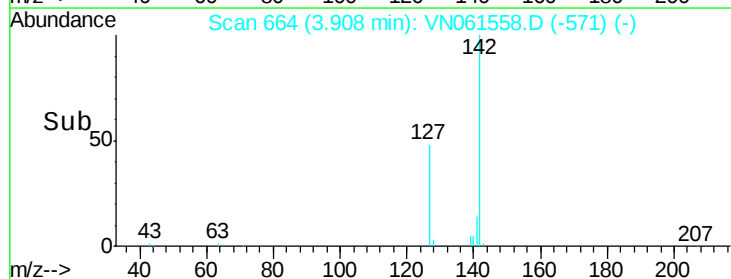
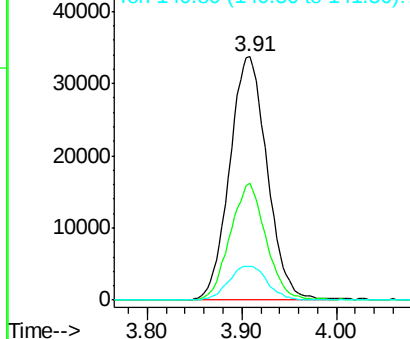
Lab File: VN061558.D

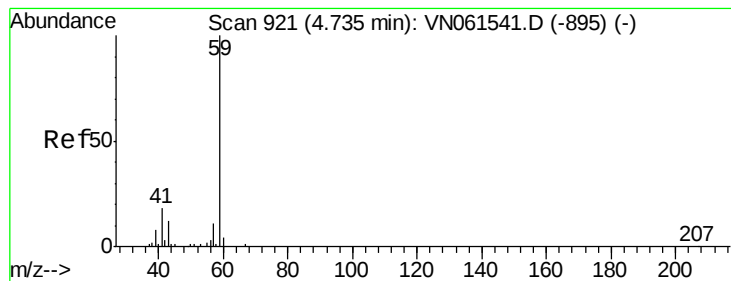
Acq: 29 May 2020 11:35

Tgt Ion:	142	Resp:	93054
Ion Ratio	Lower	Upper	
142	100		
127	45.4	35.5	53.3
141	14.3	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

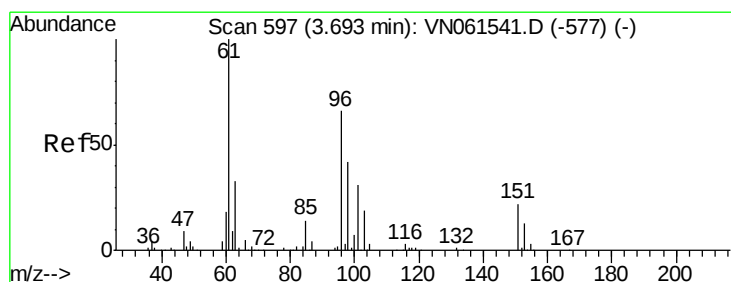
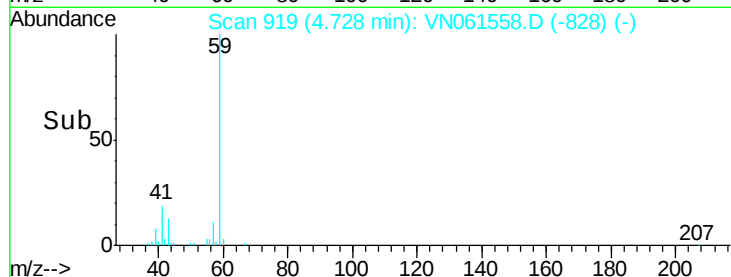
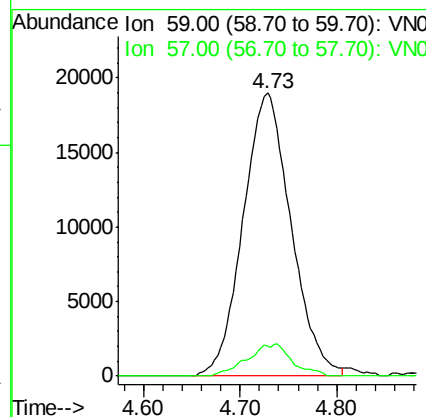
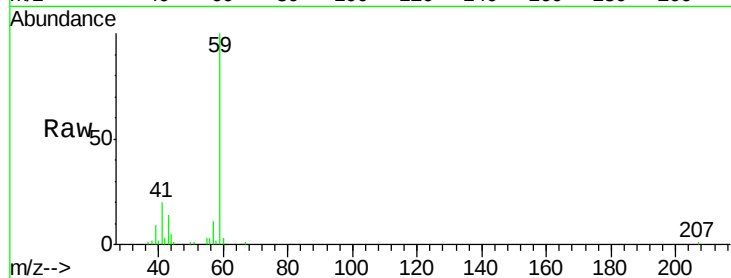
Tert butyl alcohol
Concen: 117.679 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.8	8.4	12.6#

Manual Integrations
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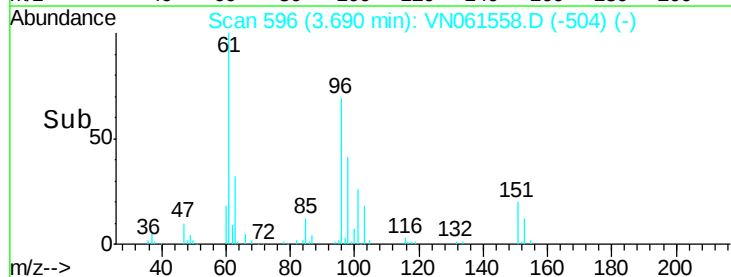
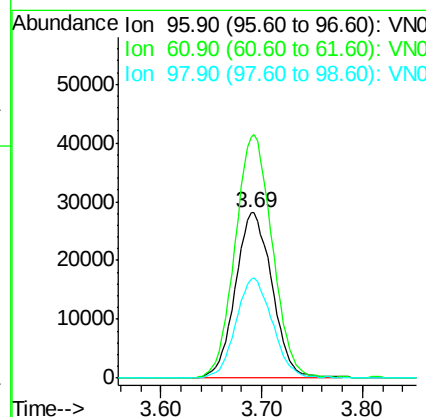
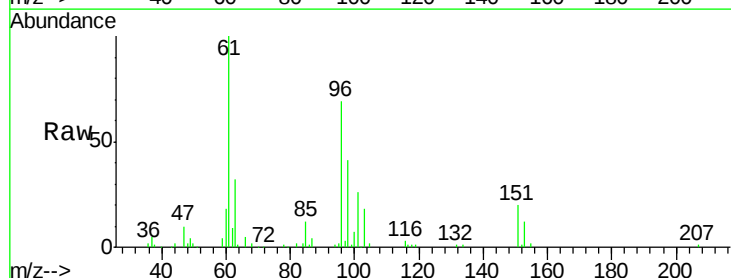
MMDadoda
6/1/2020 12:29:48 PM

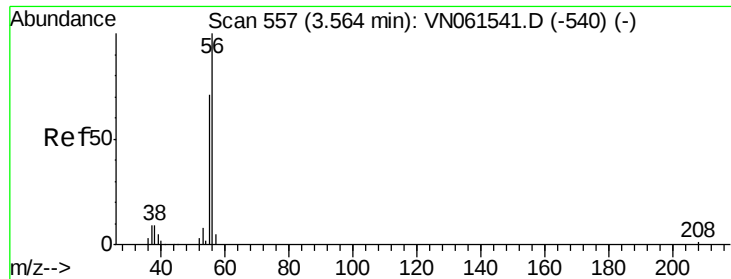


#12

1,1-Dichloroethene
Concen: 19.878 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.3	120.5	180.7
98	60.1	50.8	76.2





#13

Acrolein

Concen: 80.877 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

Tot Ion: 56 Resp: 16365

Ion Ratio Lower Upper

56 100

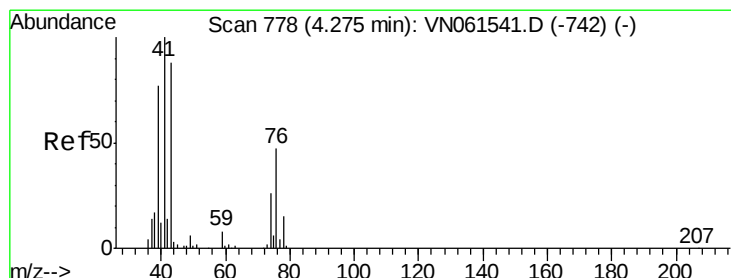
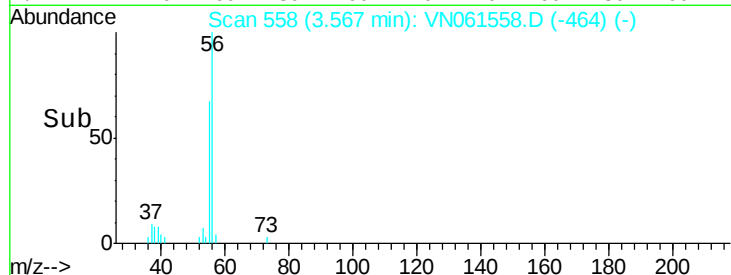
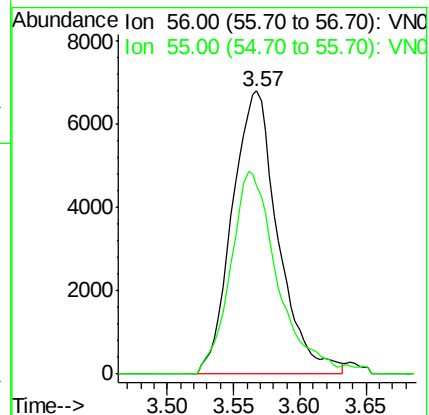
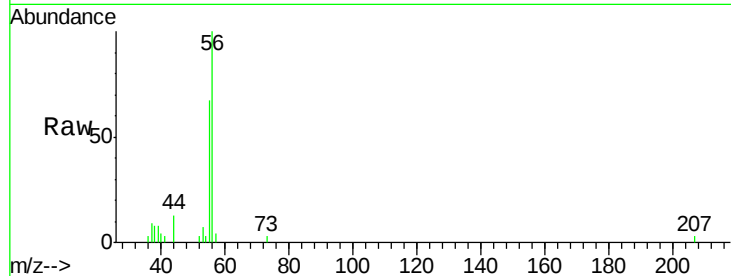
55 72.6 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.514 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

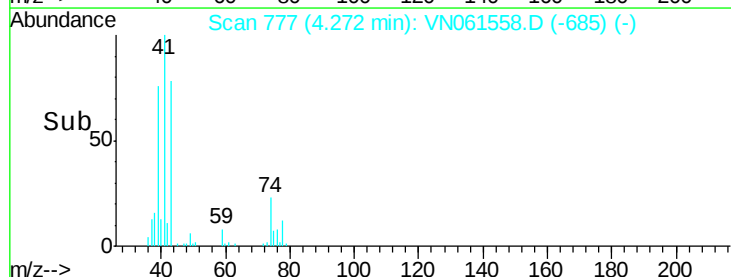
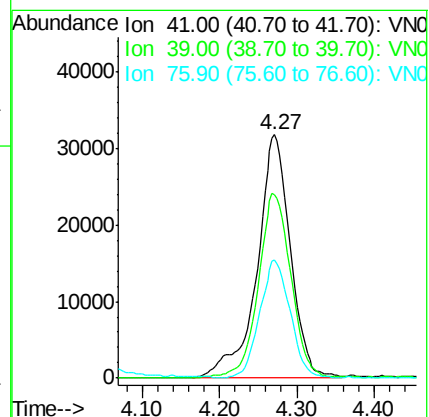
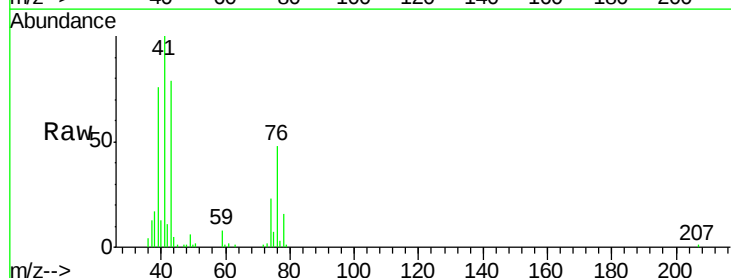
Tgt Ion: 41 Resp: 96141

Ion Ratio Lower Upper

41 100

39 73.8 58.6 88.0

76 44.2 34.2 51.4





#15

Acrylonitrile

Concen: 101.964 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

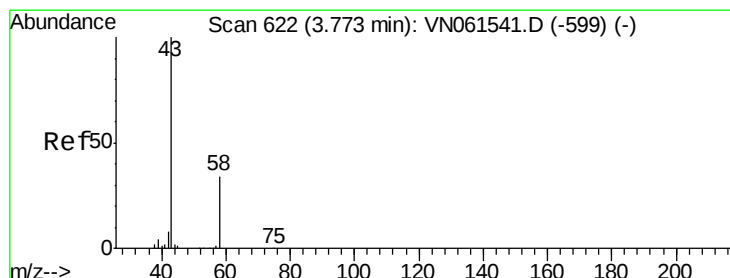
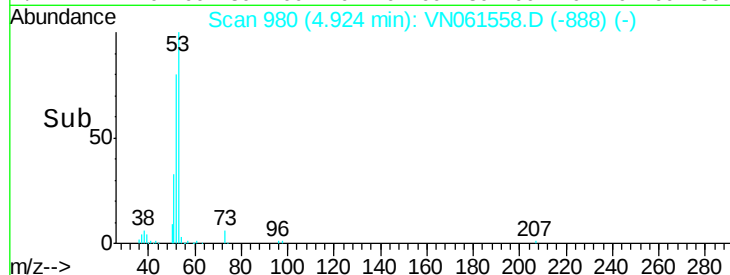
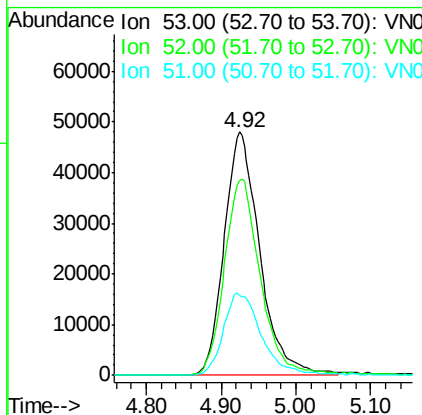
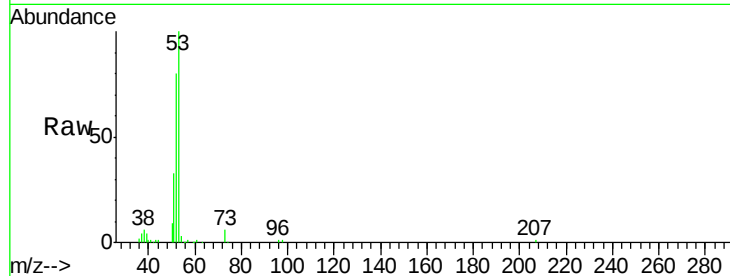
ClientSampleId :

VN0529WBS01

Tot Ion:	53	Resp:	158233
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.4	98.2
51	36.2	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 105.615 ug/l

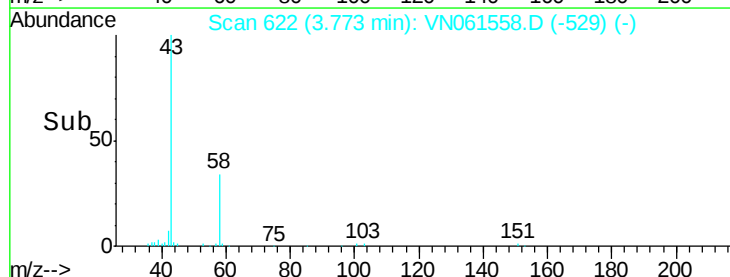
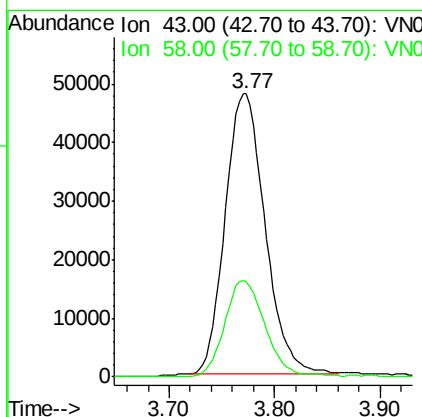
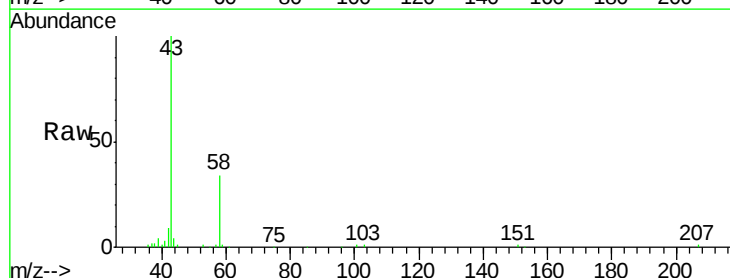
RT: 3.77 min Scan# 622

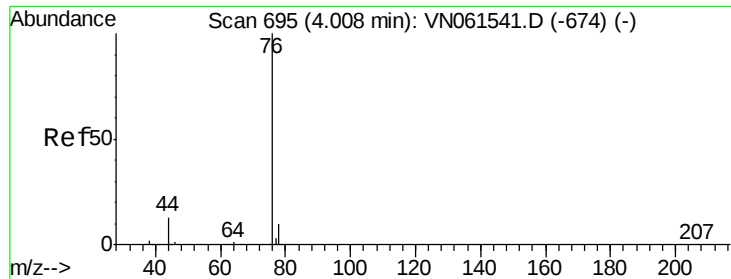
Delta R.T. 0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Tgt Ion:	43	Resp:	125792
Ion Ratio	Lower	Upper	
43	100		
58	34.0	27.2	40.8





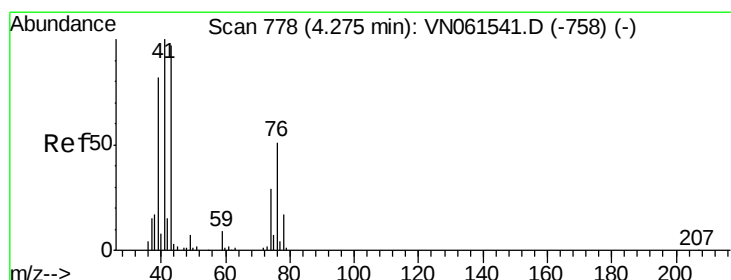
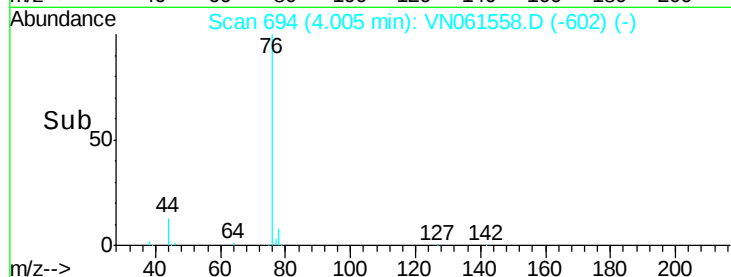
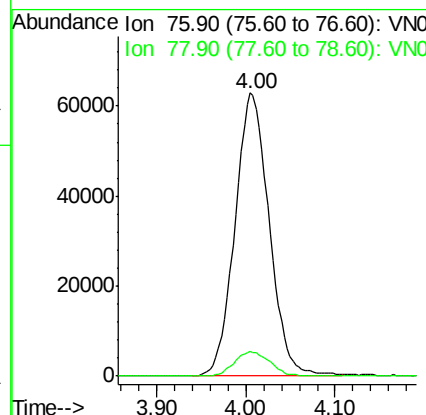
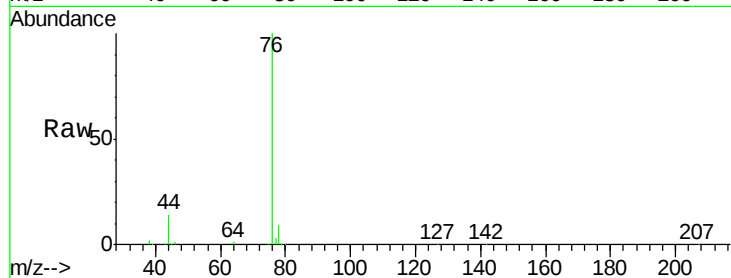
#17
Carbon Disulfide
Concen: 21.252 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.8	11.6

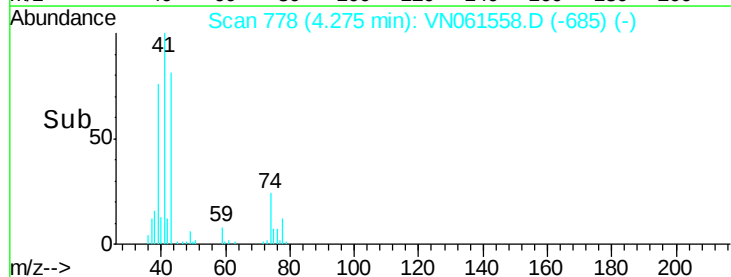
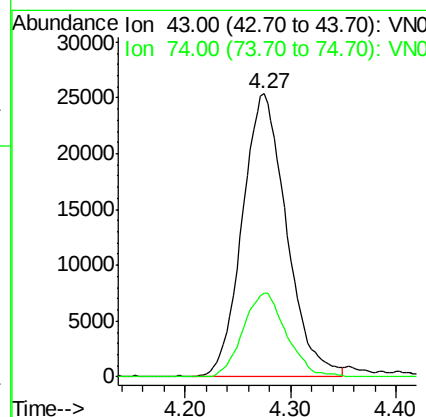
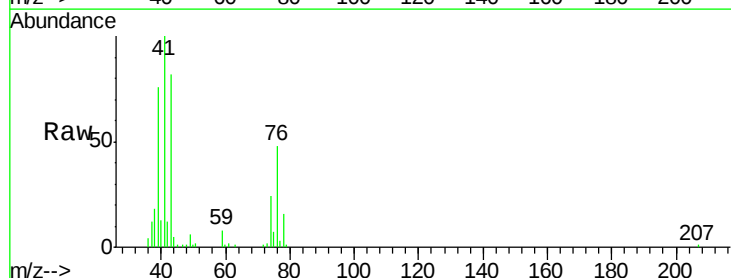
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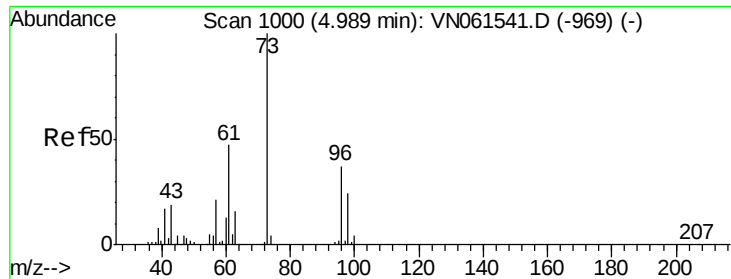
MMDadoda
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#18
Methyl Acetate
Concen: 19.572 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.0	23.2	34.8





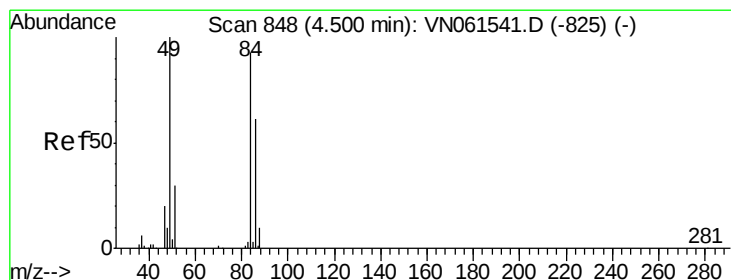
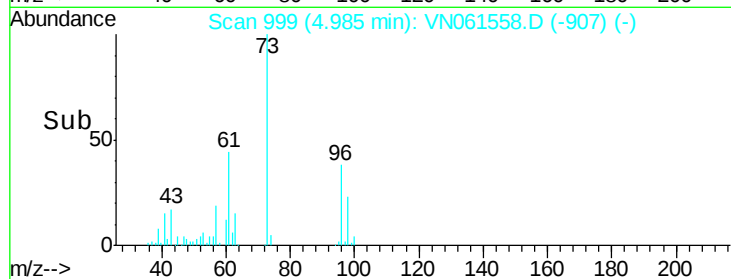
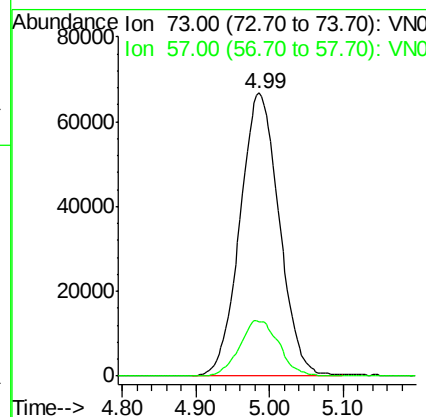
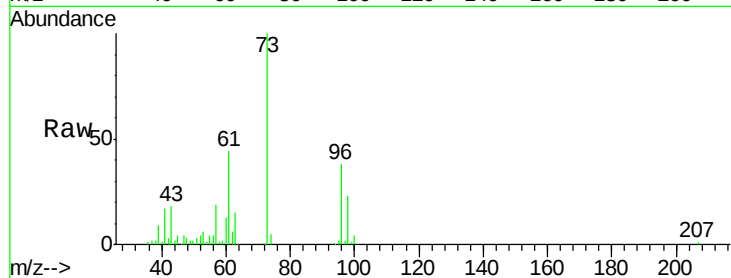
#19
Methvl tert-butvl Ether
Concen: 20.246 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
73	100		247358		
57	19.2		16.4	24.6	

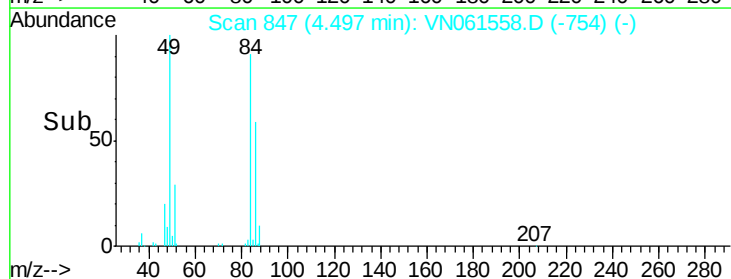
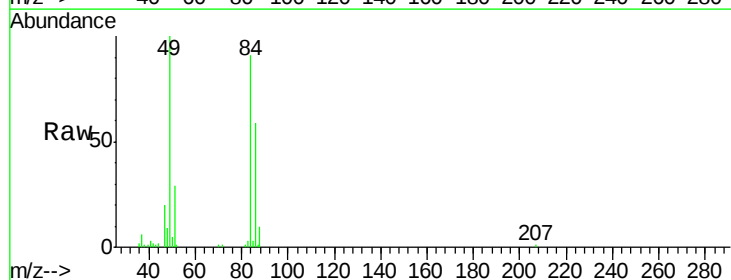
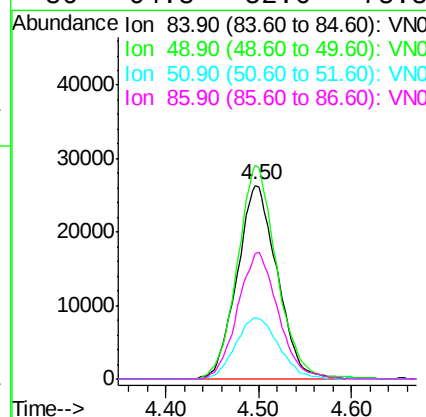
Manual Integrations
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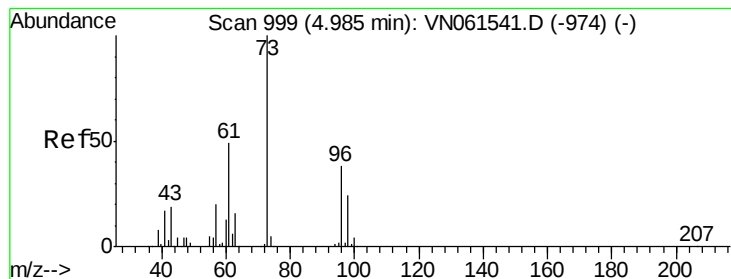
MMDadoda
6/1/2020 12:29:48 PM



#20
Methylene Chloride
Concen: 19.715 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
84	100		78905		
49	110.4		85.8	128.8	
51	31.7		26.2	39.2	
86	64.8		52.6	78.8	





#21

trans-1,2-Dichloroethene

Concen: 20.029 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

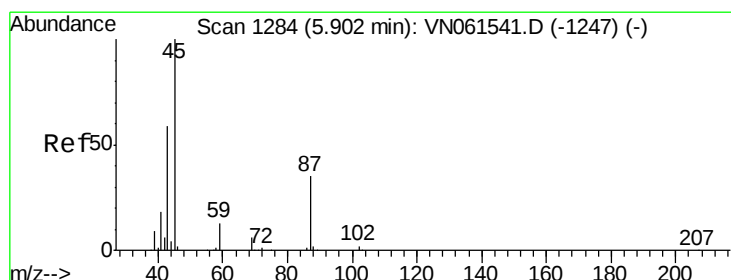
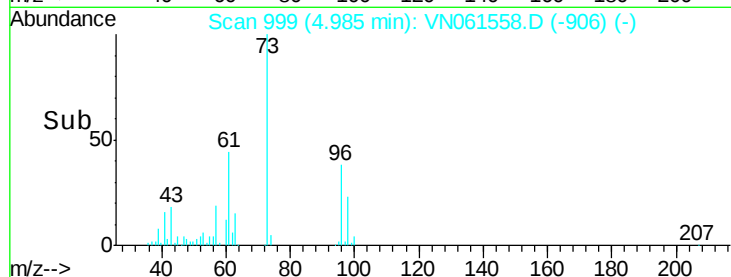
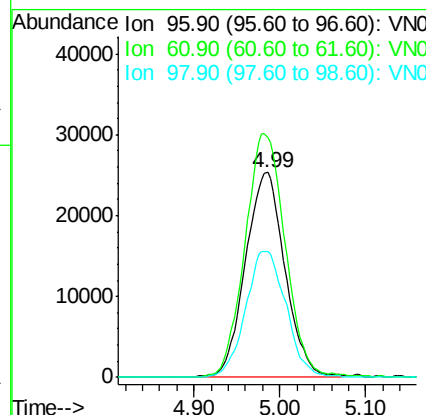
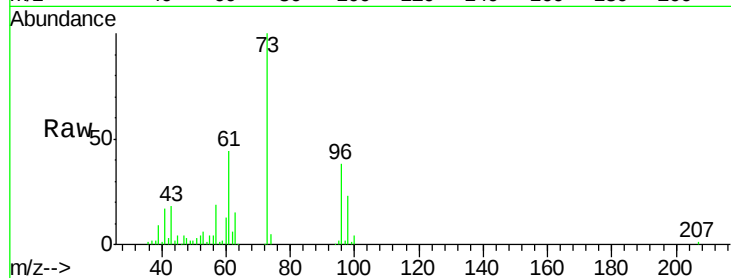
ClientSampled :

VN0529WBS01

Tot Ion:	96	Resp:	80973
Ion	Ratio	Lower	Upper
96	100		
61	117.1	101.4	152.0
98	61.2	50.6	76.0

Manual Integrations
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6/1/2020 12:29:48 PM



#22

Diisopropyl ether

Concen: 20.721 ug/l

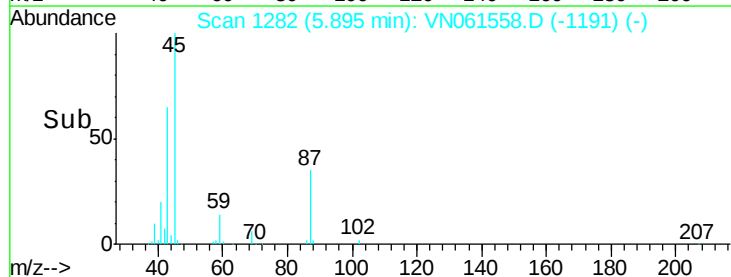
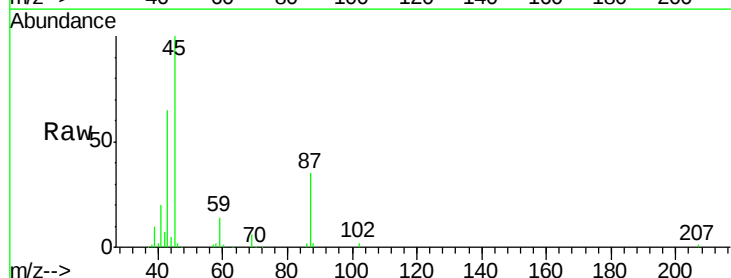
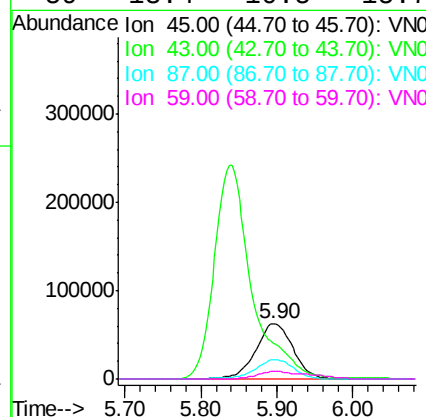
RT: 5.90 min Scan# 1282

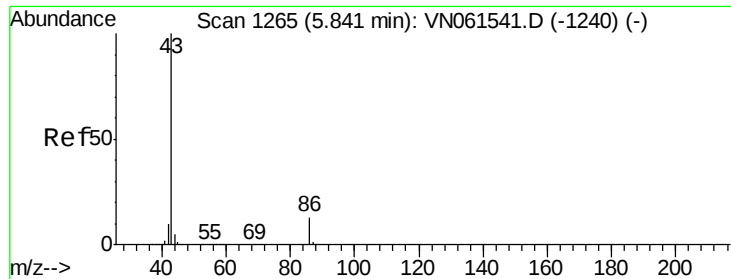
Delta R.T. -0.01 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Tgt Ion:	45	Resp:	214036
Ion	Ratio	Lower	Upper
45	100		
43	62.8	47.9	71.9
87	34.8	28.4	42.6
59	13.4	10.5	15.7





#23

Vinyl Acetate

Concen: 100.908 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

Tot Ion: 43 Resp: 830770

Ion Ratio Lower Upper

43 100

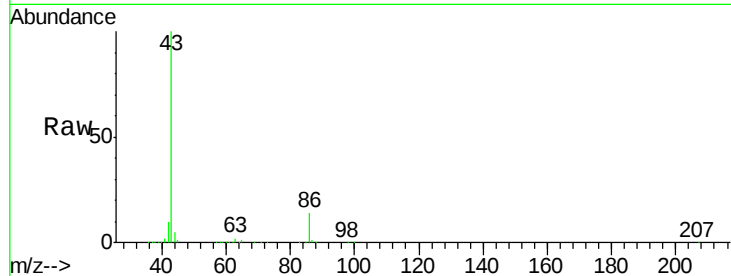
86 13.7 10.6 16.0

Manual Integrations

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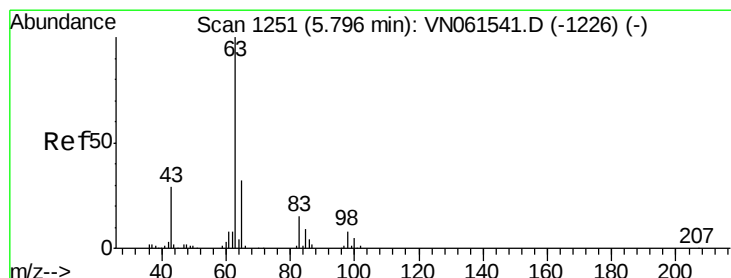
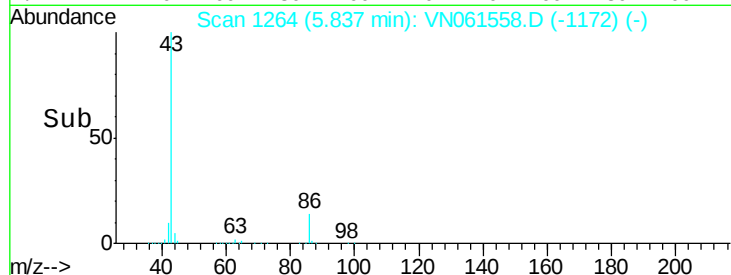
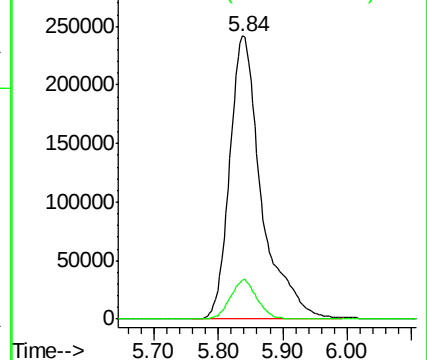
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.510 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

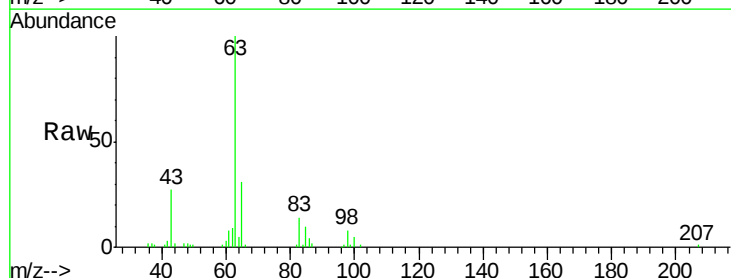
Tgt Ion: 63 Resp: 134342

Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.4

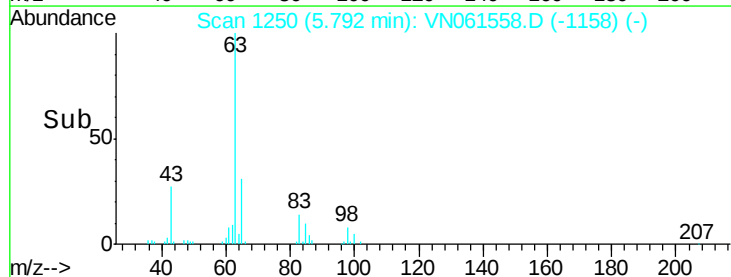
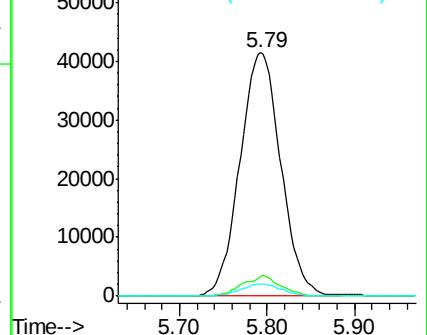
100 4.9 2.5 7.6

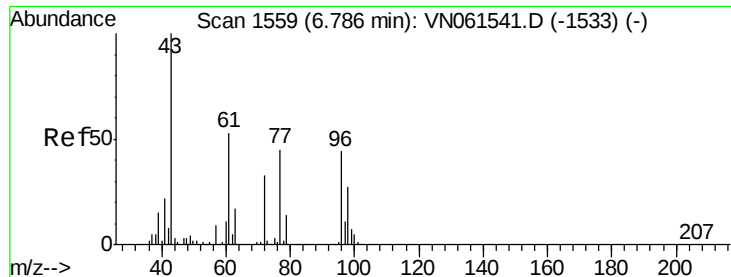


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





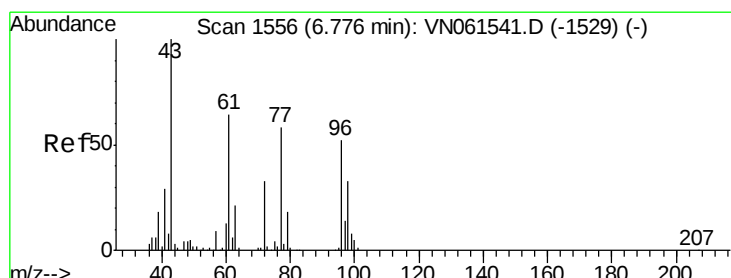
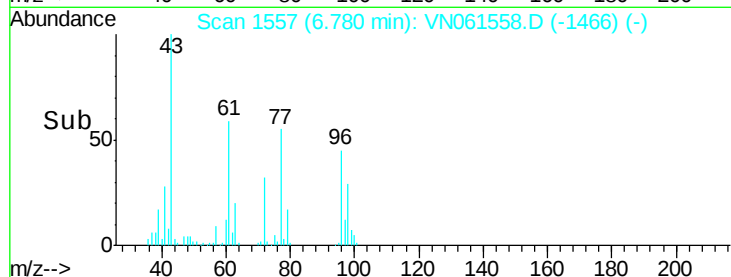
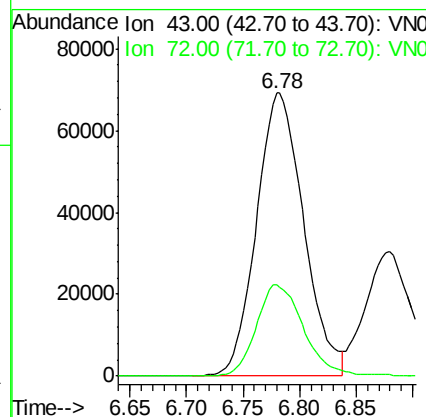
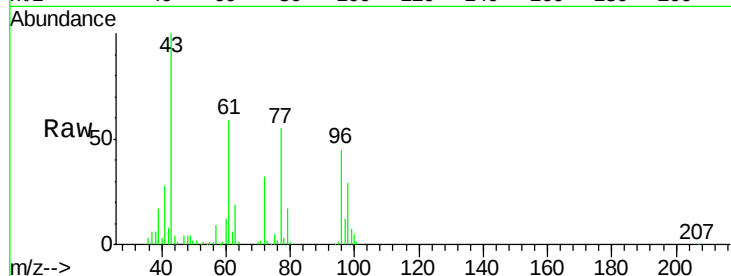
#25
2-Butanone
Concen: 101.239 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	43	Resp	200553
Ion Ratio	100	Lower	Upper
72	32.3	26.0	39.0

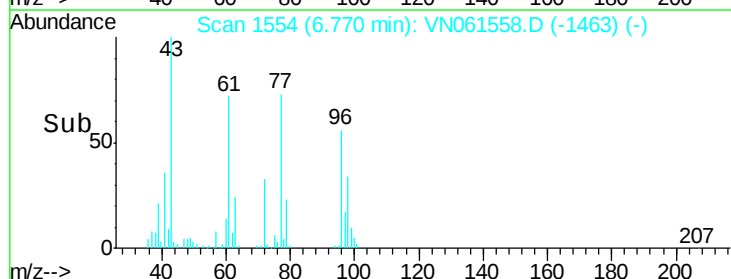
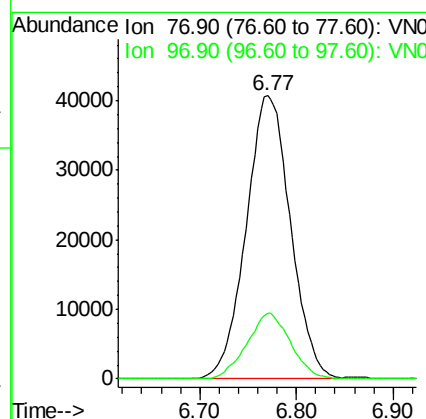
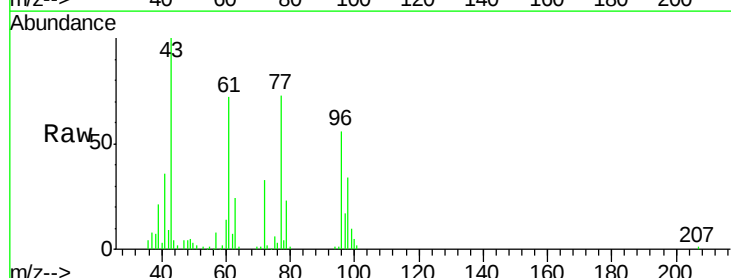
Manual Integrations
APPROVED

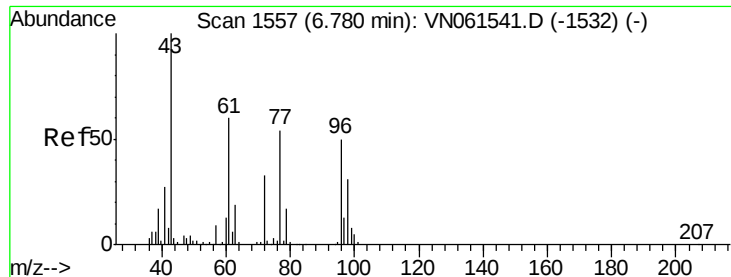
MMDadoda
6/1/2020 12:29:48 PM



#26
2,2-Dichloropropane
Concen: 21.668 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	77	Resp	129905
Ion Ratio	100	Lower	Upper
97	22.8	12.0	36.0





#27

cis-1,2-Dichloroethene

Concen: 20.450 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

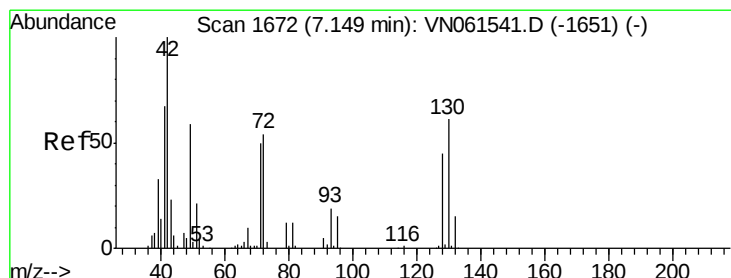
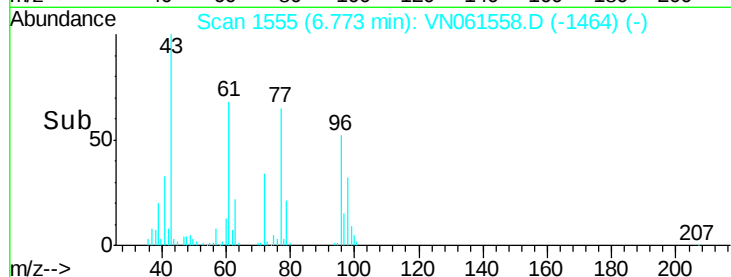
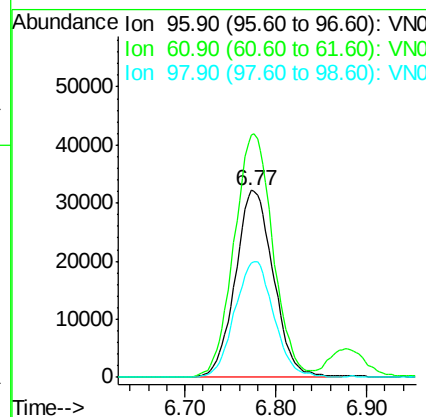
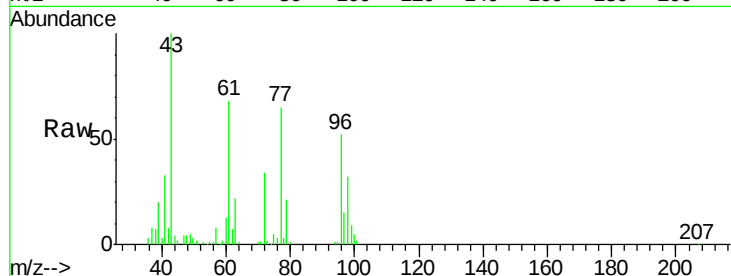
ClientSampleId :

VN0529WBS01

Tot Ion:	96	Resp:	93620
Ion	Ratio	Lower	Upper
96	100		
61	132.7	0.0	252.2
98	63.4	0.0	129.2

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#28

Bromochloromethane

Concen: 22.242 ug/l

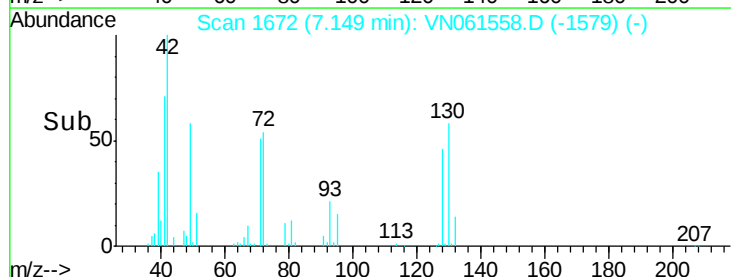
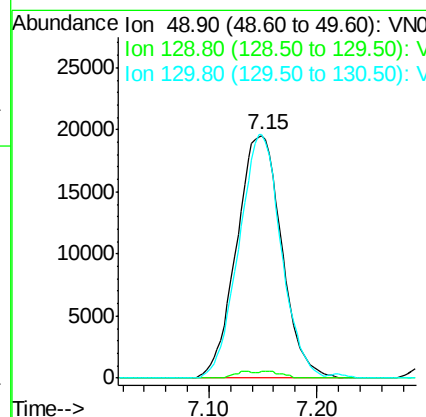
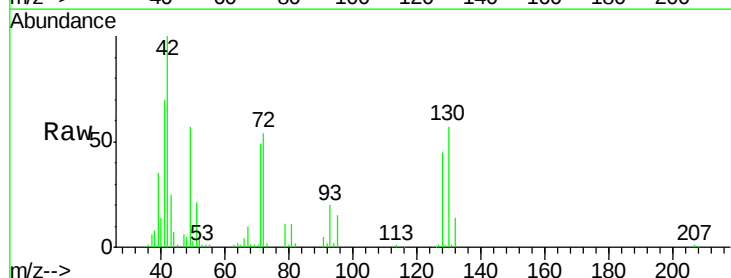
RT: 7.15 min Scan# 1672

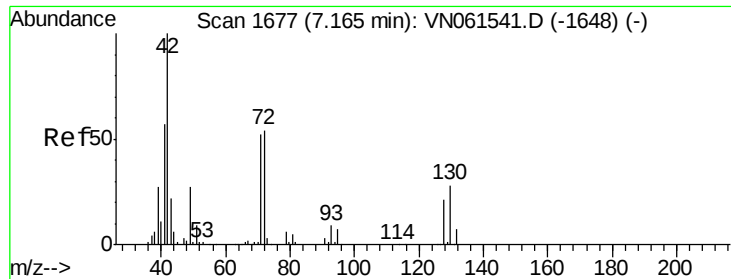
Delta R.T. 0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Tgt Ion:	49	Resp:	56598
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.8
130	94.2	78.8	118.2





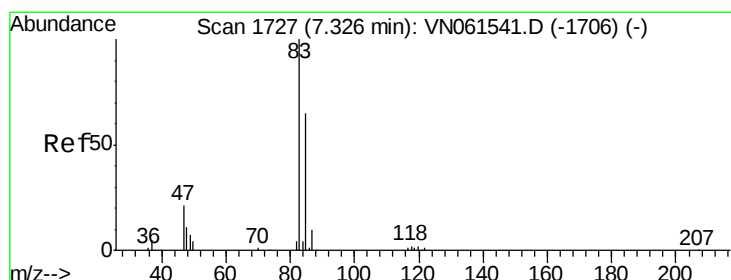
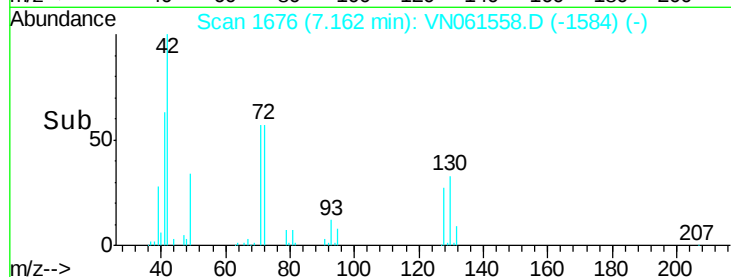
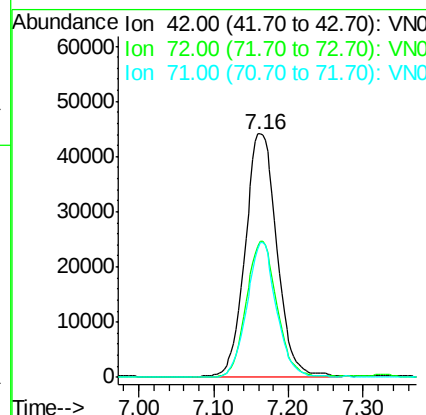
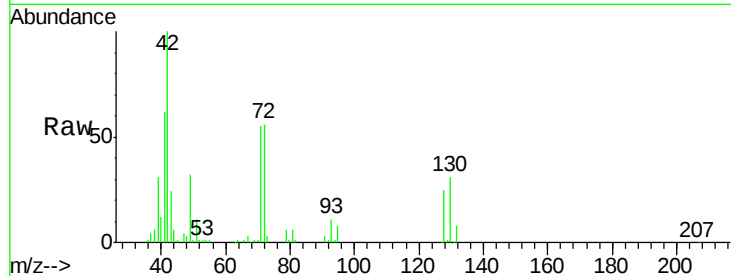
#29
Tetrahydrofuran
Concen: 100.273 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.9	43.6	65.4
71	50.6	41.2	61.8

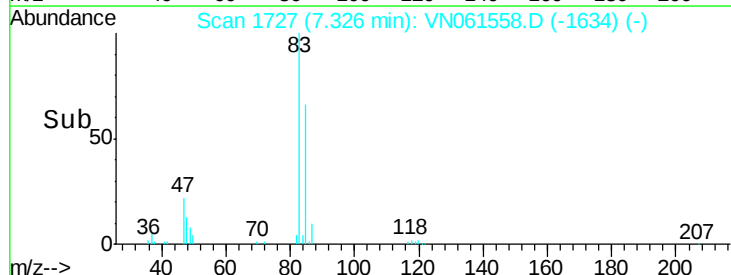
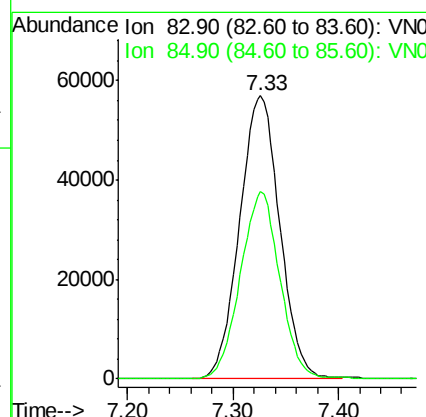
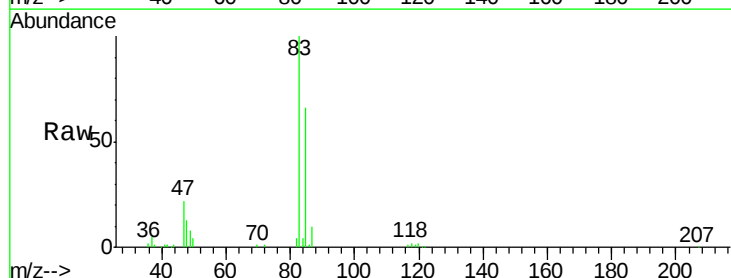
Manual Integrations
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#30
Chloroform
Concen: 20.820 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.7	77.5





#31

Cyclohexane

Concen: 20.592 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

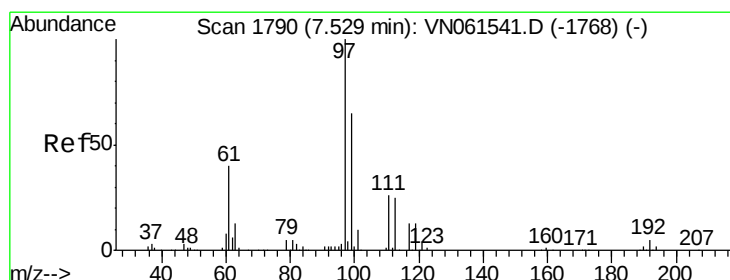
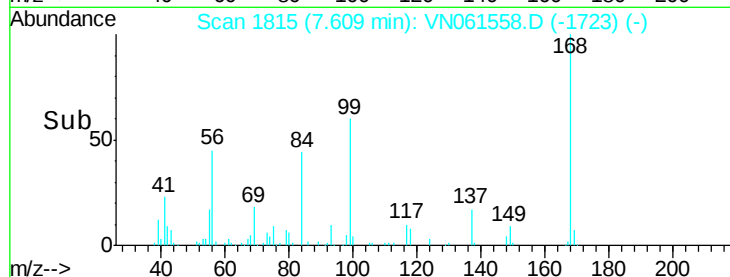
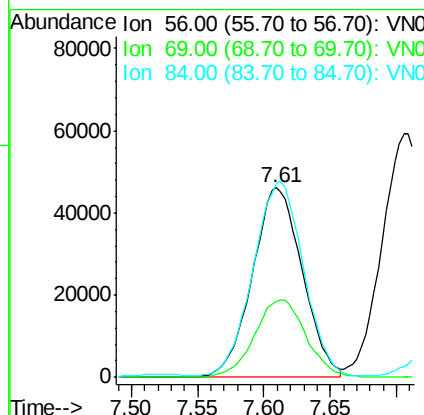
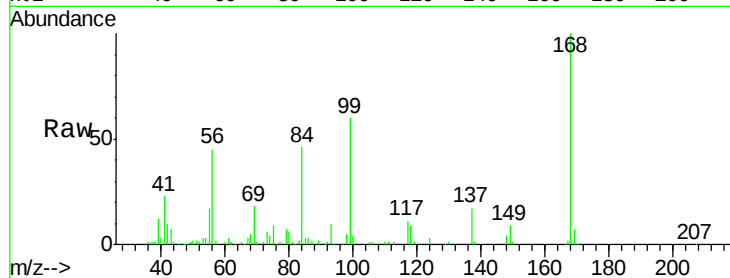
ClientSampled :

VN0529WBS01

Tot Ion	56	Resp	121306
Ion Ratio	Lower	Upper	
56	100		
69	40.0	27.8	41.8
84	101.3	79.9	119.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.593 ug/l

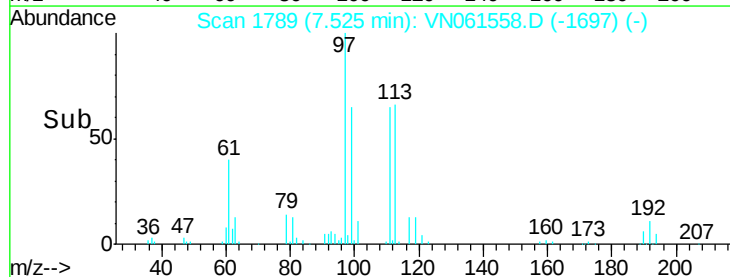
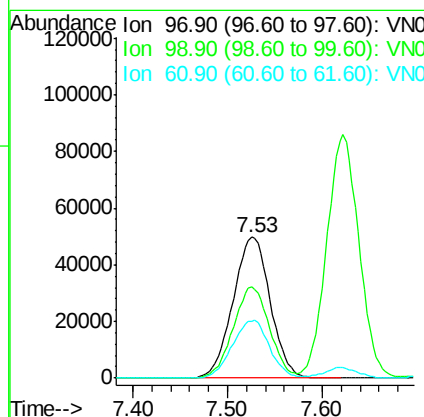
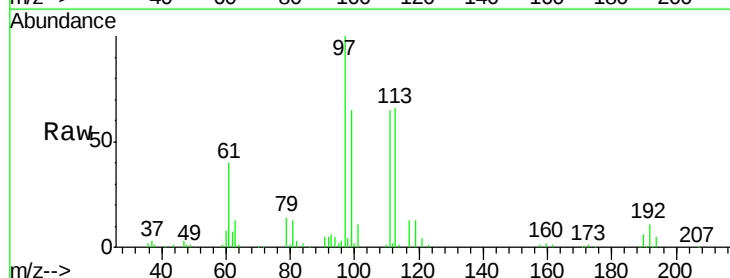
RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Tgt Ion	97	Resp	135980
Ion Ratio	Lower	Upper	
97	100		
99	63.2	51.4	77.0
61	40.8	31.4	47.0





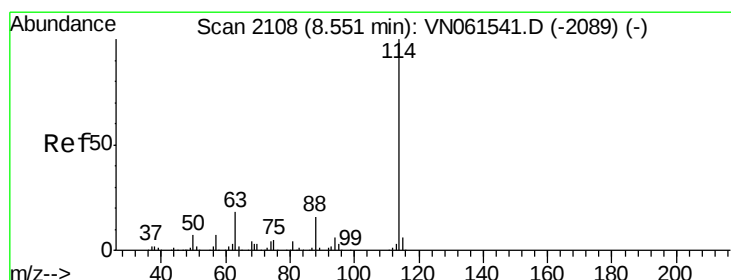
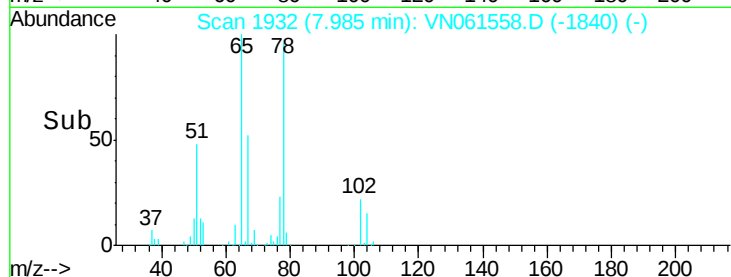
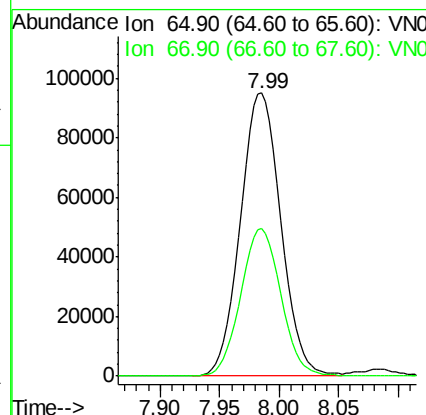
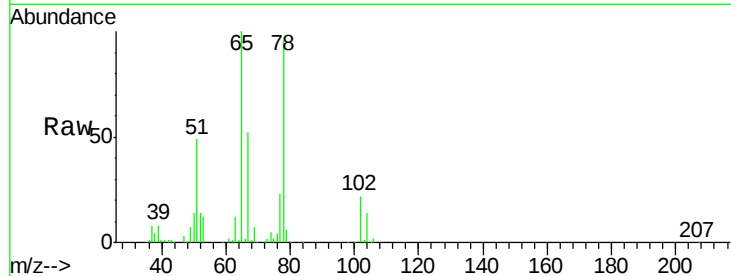
#33
 1,2-Dichloroethane-d4
 Concen: 53.637 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0529WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	224199		
67	51.9	0.0	104.8	

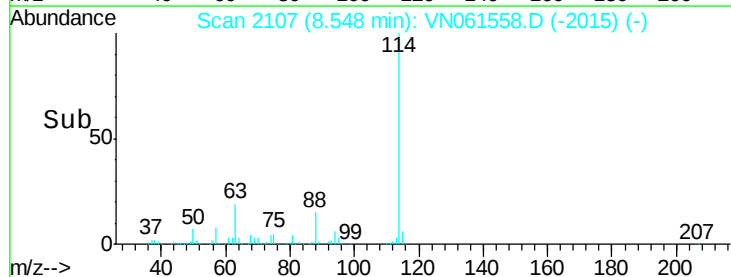
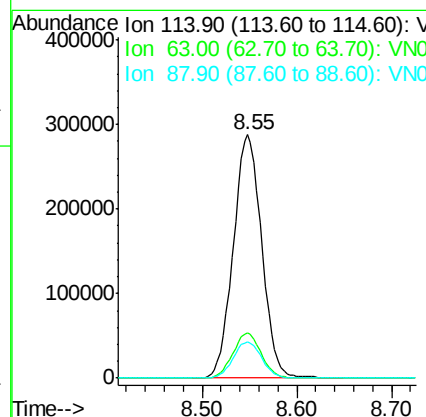
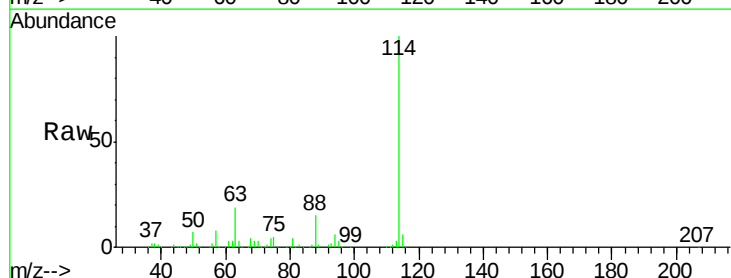
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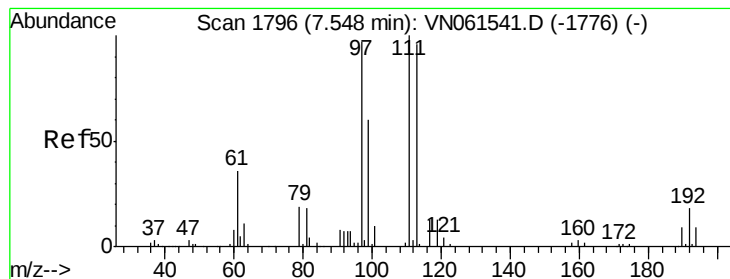
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	600134		
63	18.5	0.0	35.8	
88	14.7	0.0	31.0	





#35

Dibromofluoromethane

Concen: 56.087 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

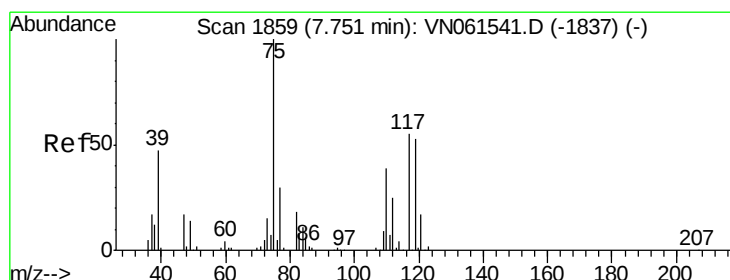
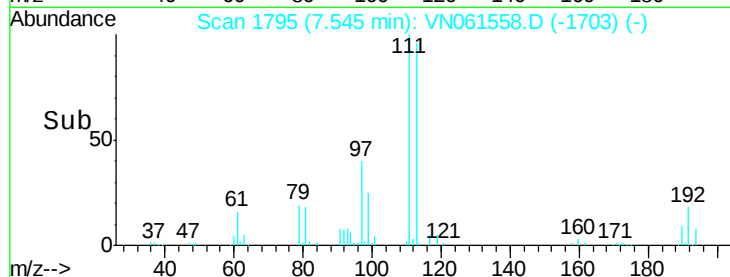
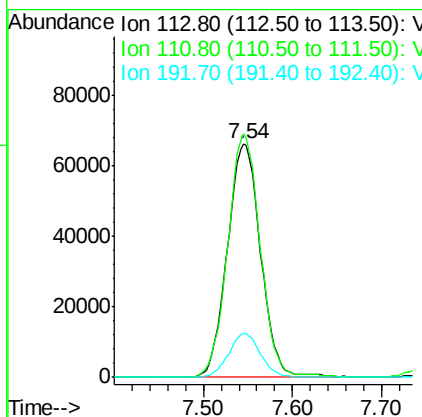
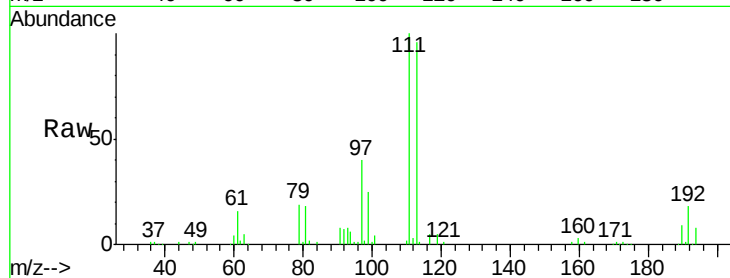
ClientSampleId :

VN0529WBS01

Tot Ion:	113	Resp:	170751
Ion Ratio	Lower	Upper	
113	100		
111	100.9	83.4	125.0
192	18.1	15.4	23.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.620 ug/l

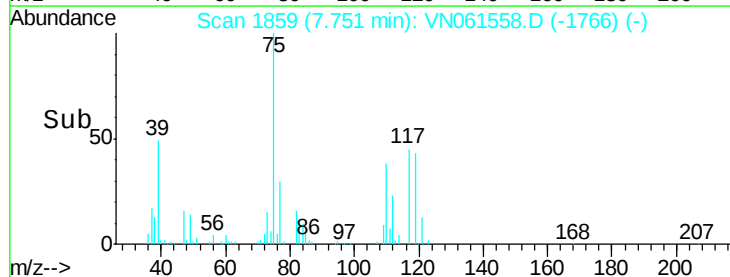
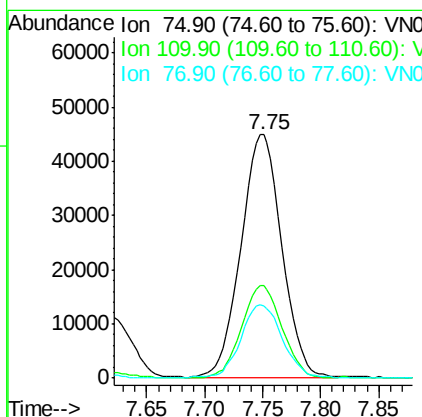
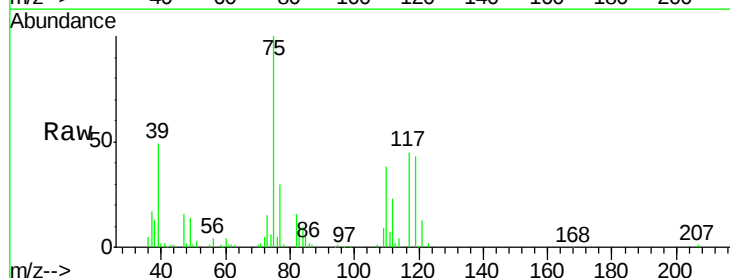
RT: 7.75 min Scan# 1859

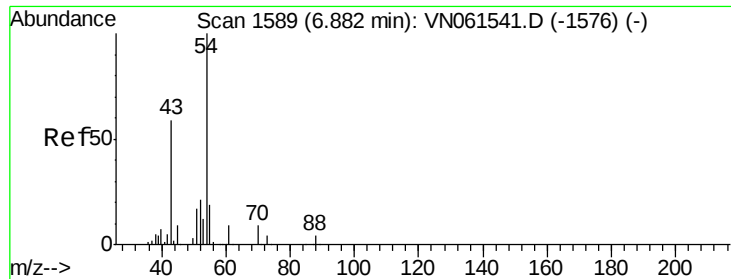
Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Tgt Ion:	75	Resp:	109551
Ion Ratio	Lower	Upper	
75	100		
110	37.8	19.5	58.5
77	30.9	24.7	37.1





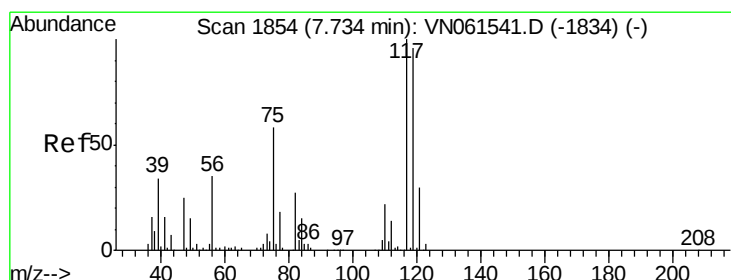
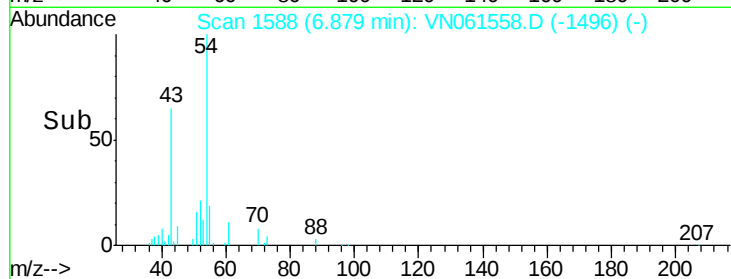
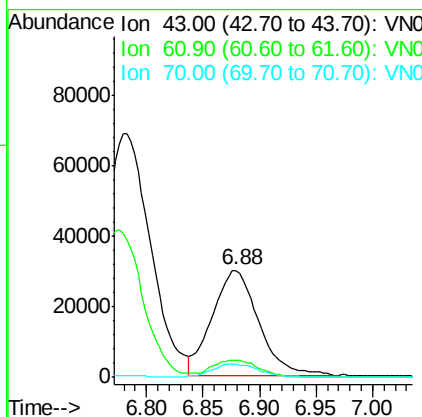
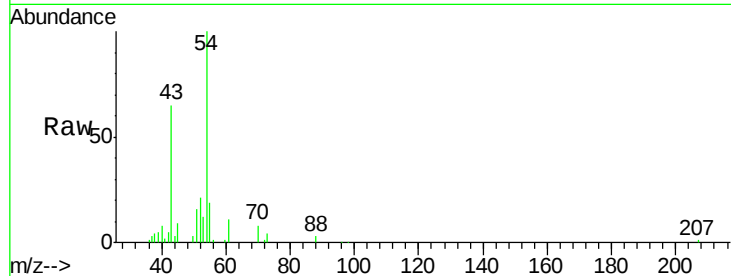
#37
Ethyl Acetate
Concen: 20.030 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampled :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.2	18.4
70	12.6	9.4	14.2

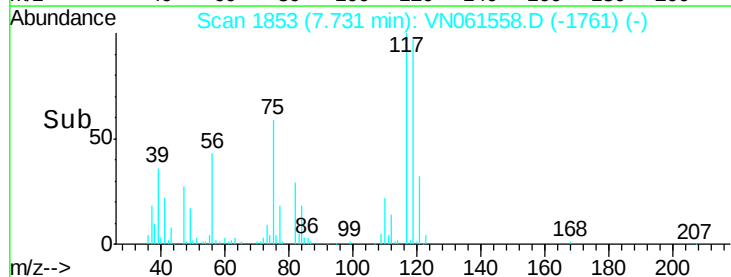
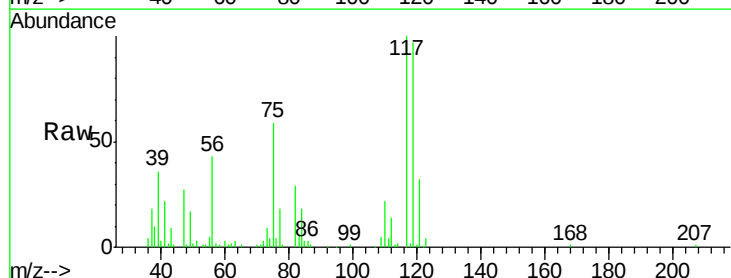
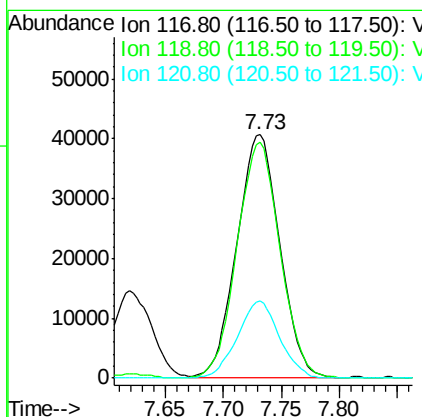
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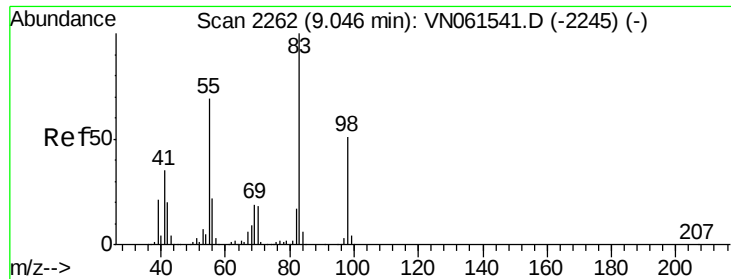
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#38
Carbon Tetrachloride
Concen: 20.484 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.5	114.7
121	31.5	24.1	36.1





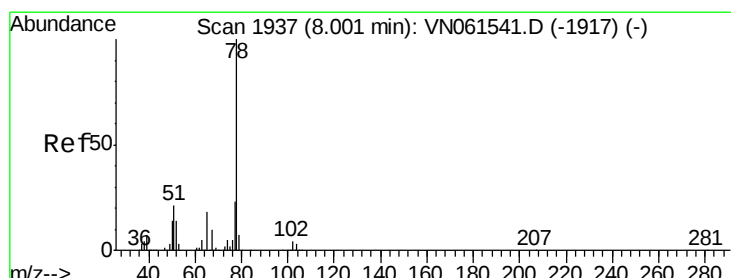
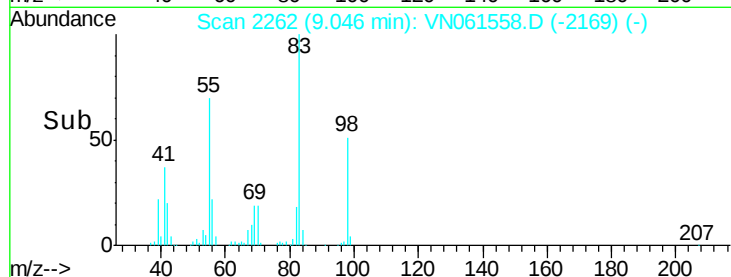
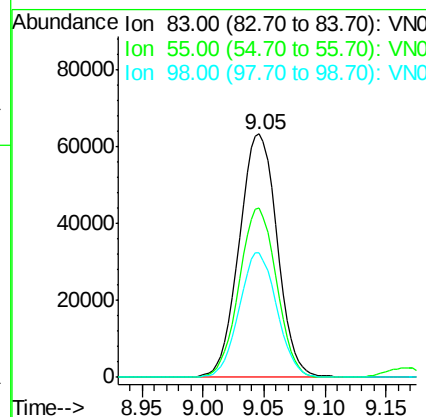
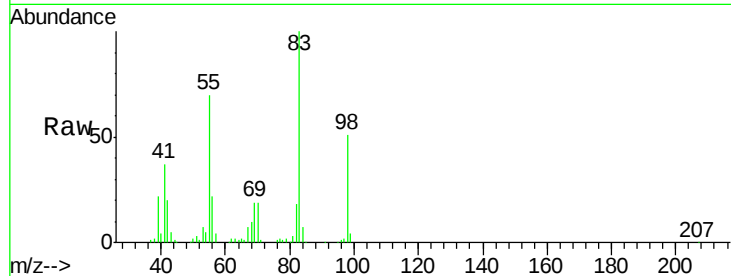
#39
Methvlcvclohexane
Concen: 20.868 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	136651		
55	69.6		54.9	82.3
98	51.0		41.0	61.4

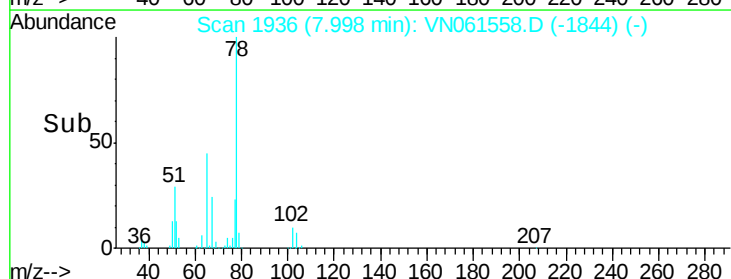
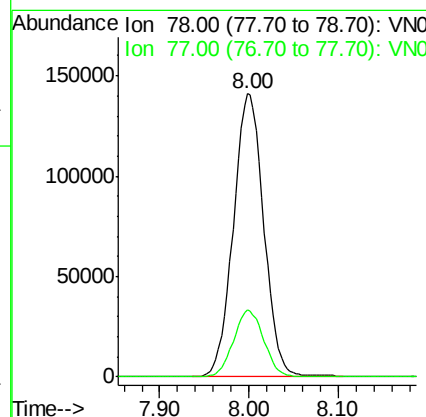
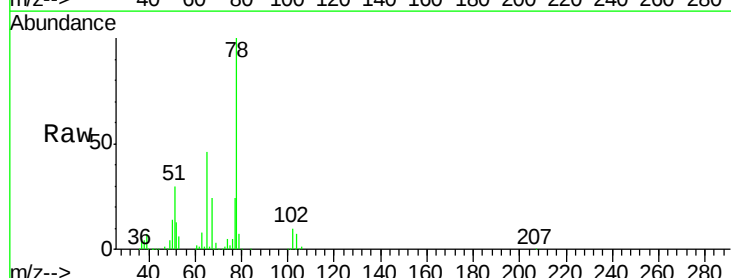
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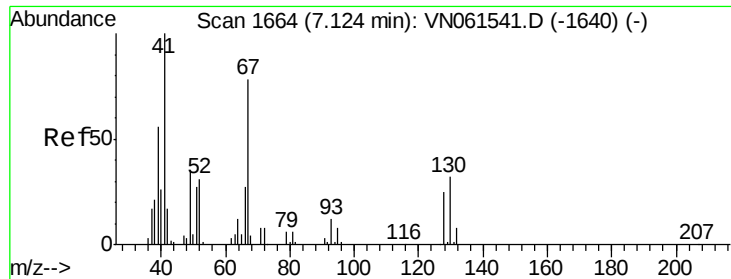
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#40
Benzene
Concen: 20.316 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	333022		
77	23.5		18.6	28.0





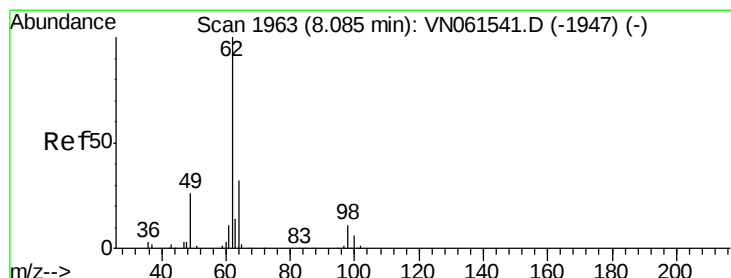
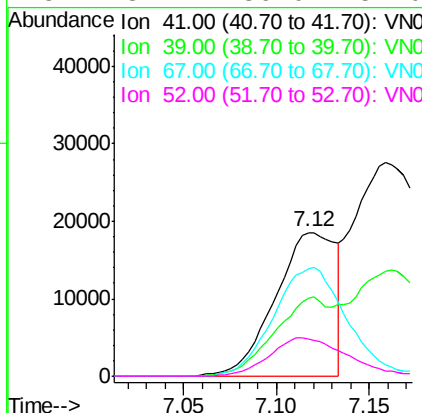
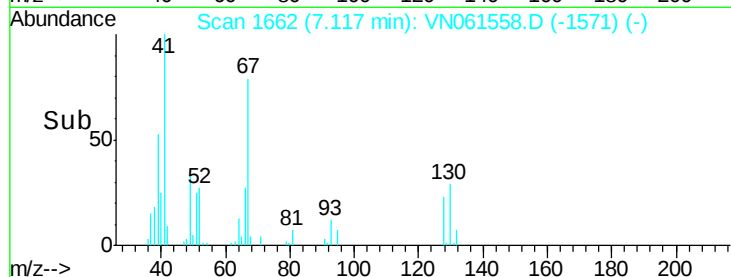
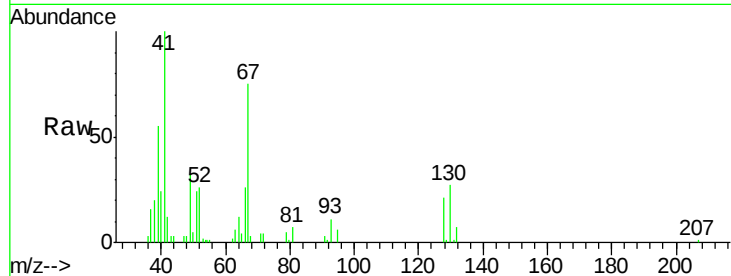
#41
Methacrylonitrile
Concen: 21.478 ug/l
RT: 7.12 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.4	53.8	80.6#	
67	92.7	91.1	136.7	
52	34.4	36.0	54.0#	

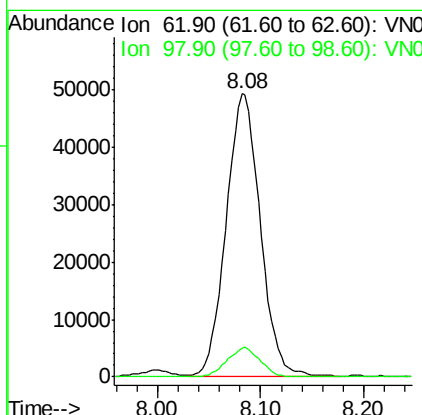
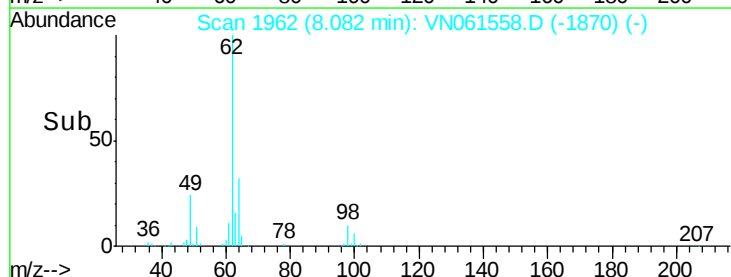
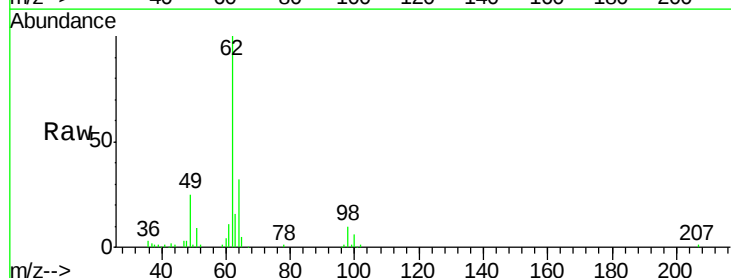
Manual Integrations
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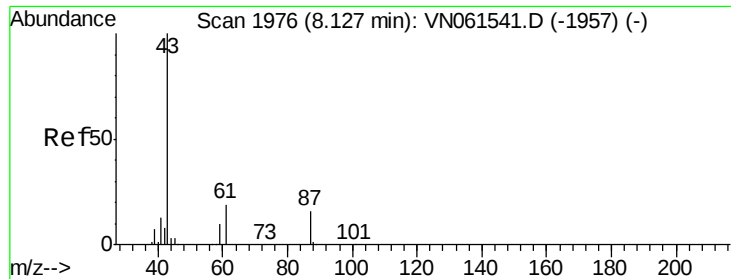
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.613 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	21.4	





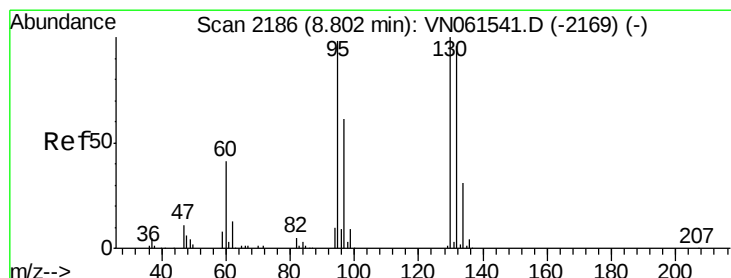
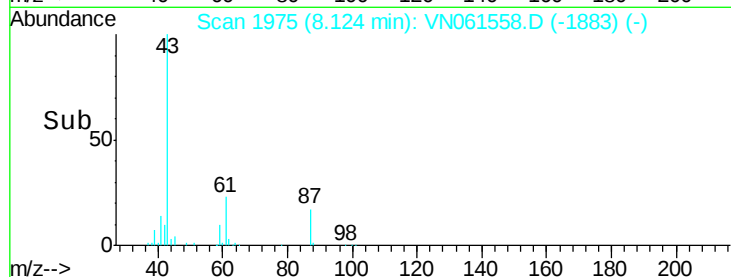
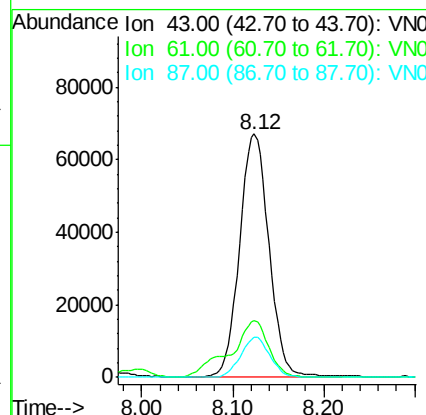
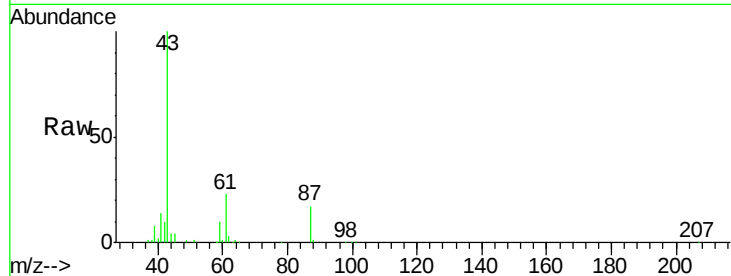
#43
Isopropyl Acetate
Concen: 19.629 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	23.6	35.4
87	16.3	13.0	19.6

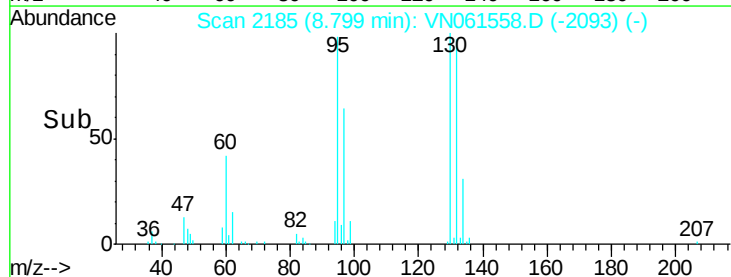
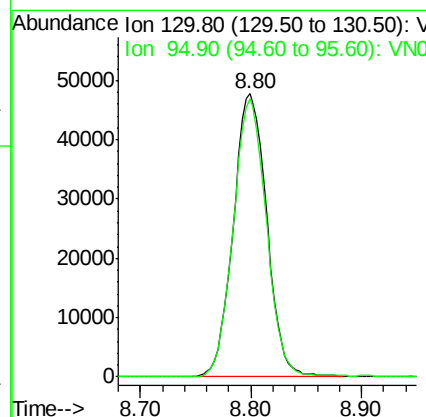
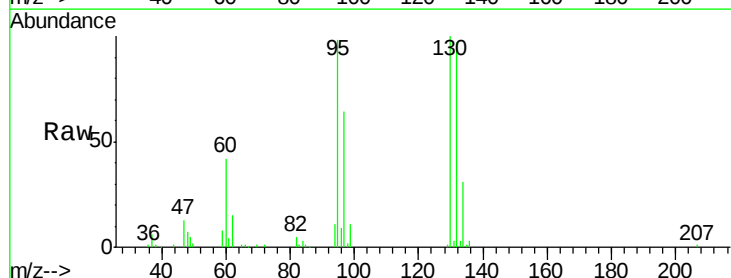
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#44
Trichloroethene
Concen: 19.979 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	196.6





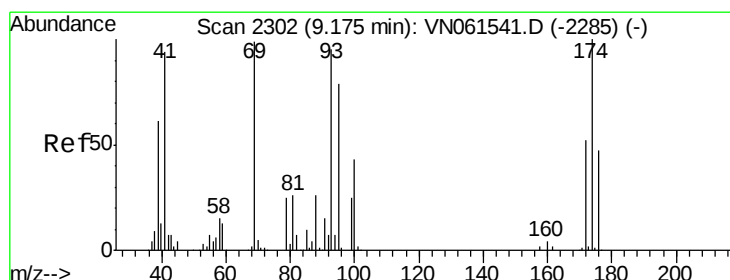
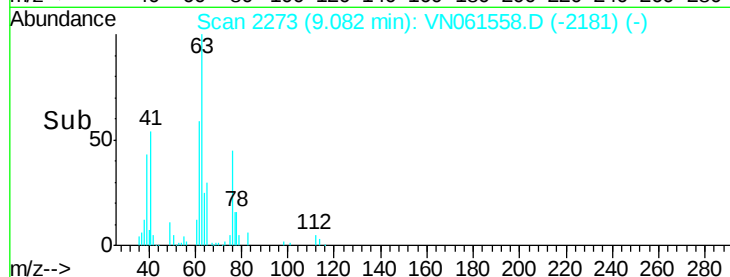
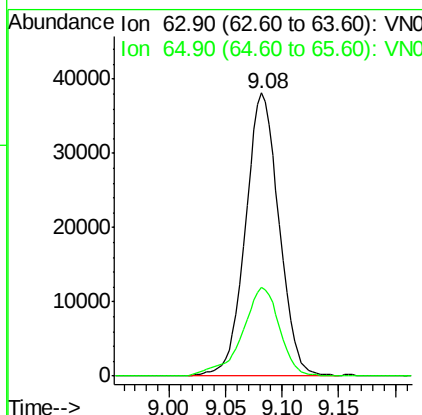
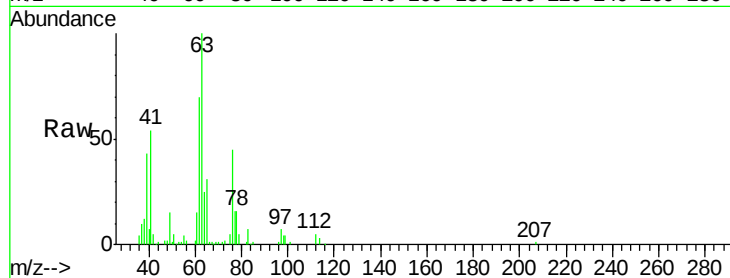
#45
 1,2-Dichloropropane
 Concen: 20.240 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion: 63 Resp: 78783
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1

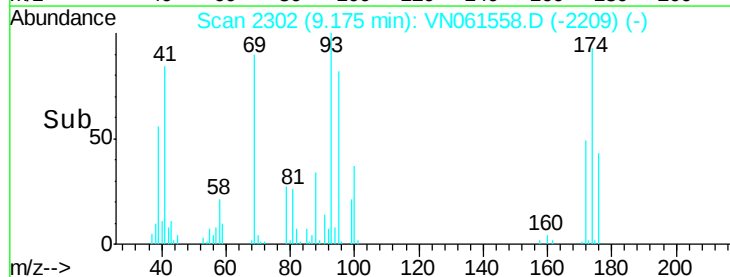
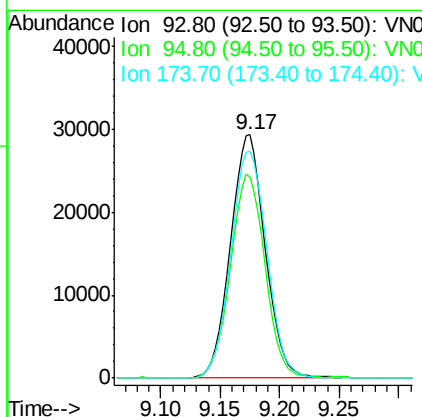
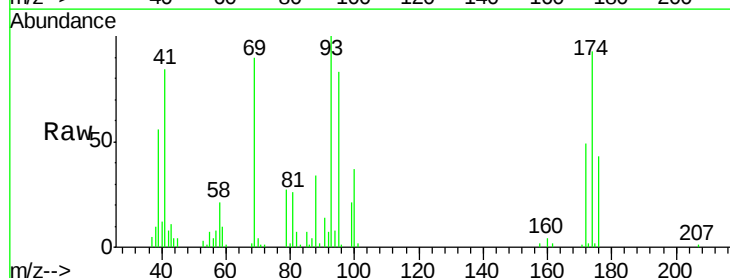
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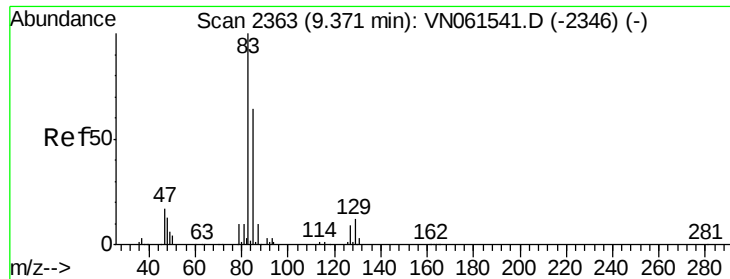
MMDadoda
 6/1/2020 12:29:48 PM



#46
 Dibromomethane
 Concen: 19.902 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion: 93 Resp: 59414
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.0 99.0
 174 96.7 82.5 123.7





#47

Bromodichloromethane

Concen: 19.999 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

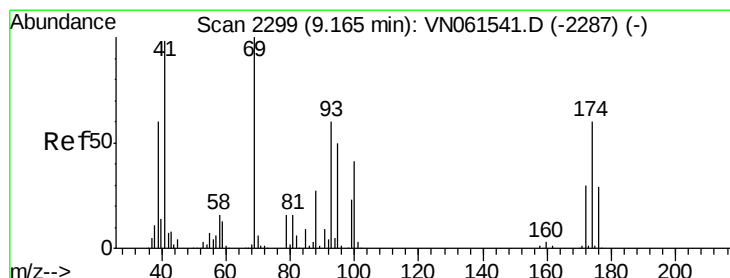
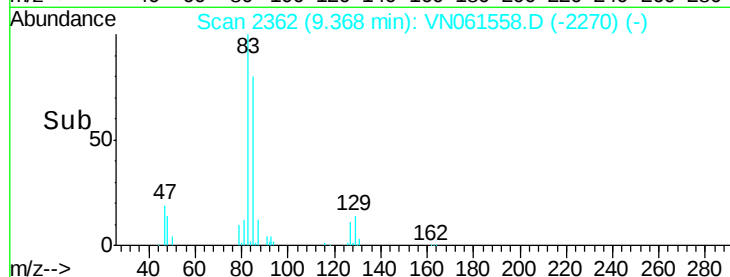
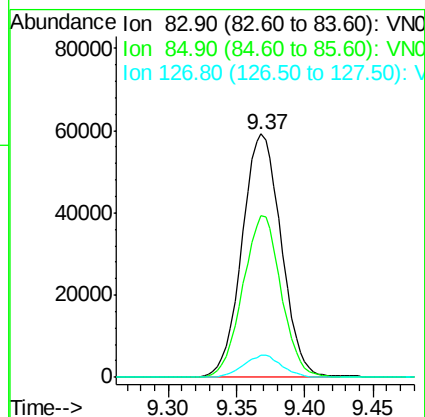
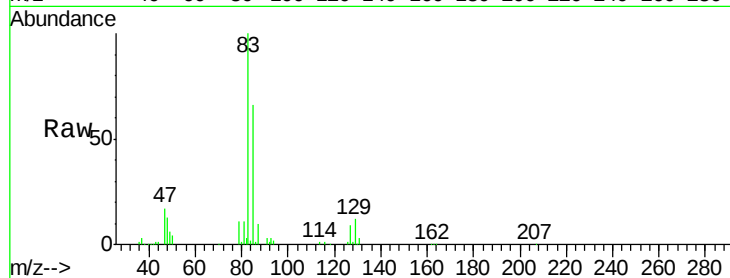
ClientSampleId :

VN0529WBS01

Tot Ion:	83	Resp:	118284
Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.1	76.7
127	8.9	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.572 ug/l

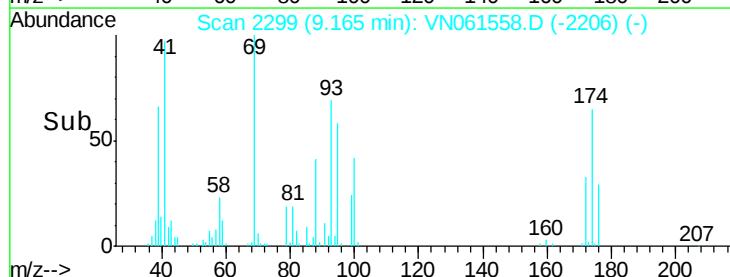
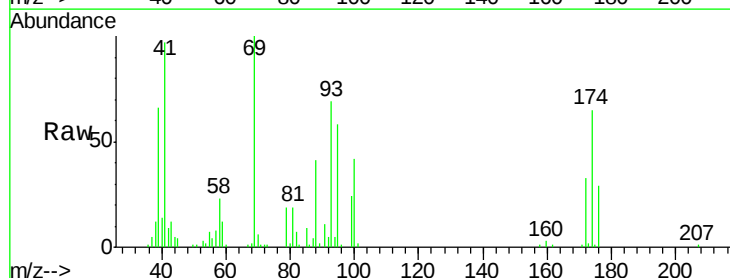
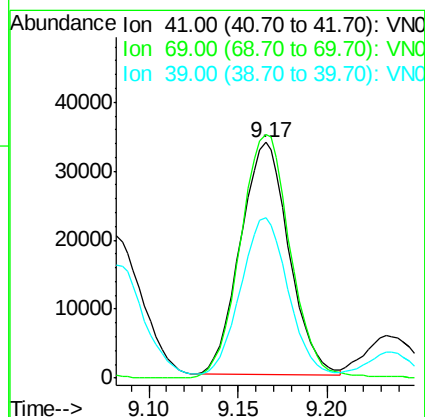
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Tgt Ion:	41	Resp:	64327
Ion	Ratio	Lower	Upper
41	100		
69	108.0	83.9	125.9
39	65.6	52.1	78.1





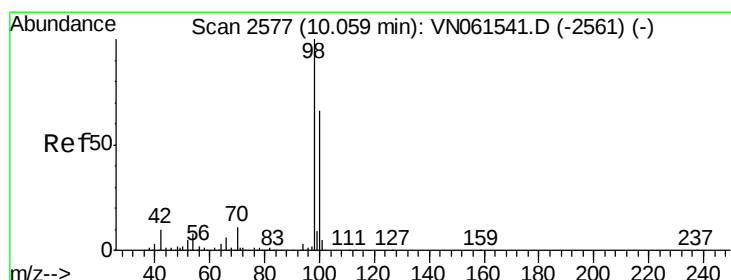
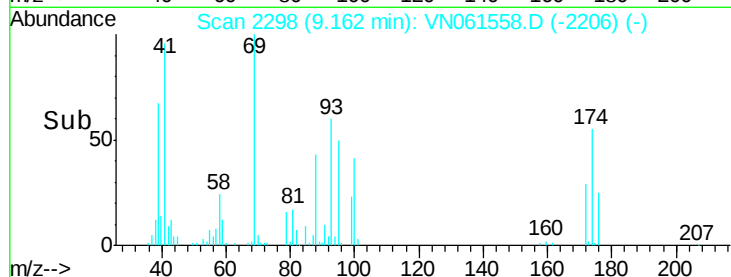
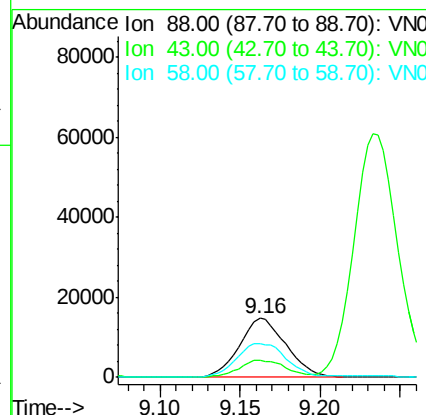
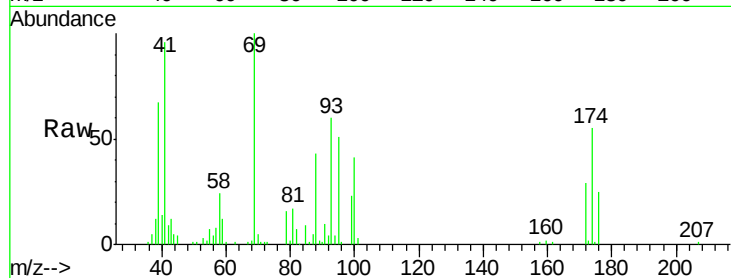
#49
 1,4-Dioxane
 Concen: 548.452 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion	88	Resp	29429
Ion	Ratio	Lower	Upper
88	100		
43	29.5	23.1	34.7
58	61.4	48.3	72.5

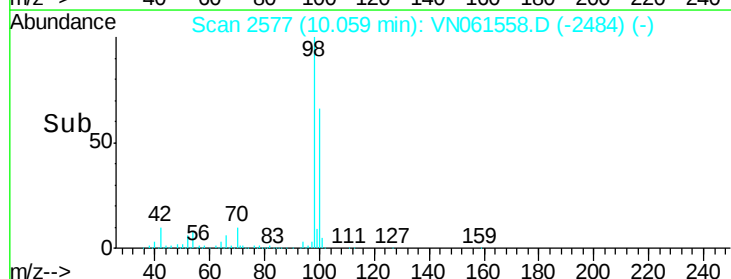
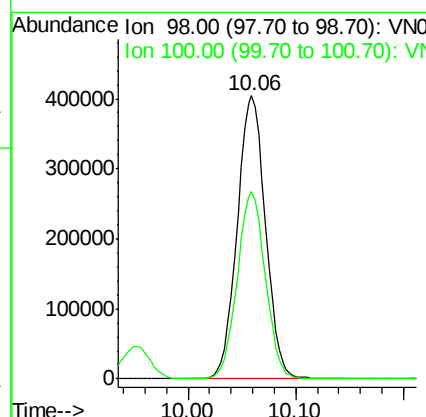
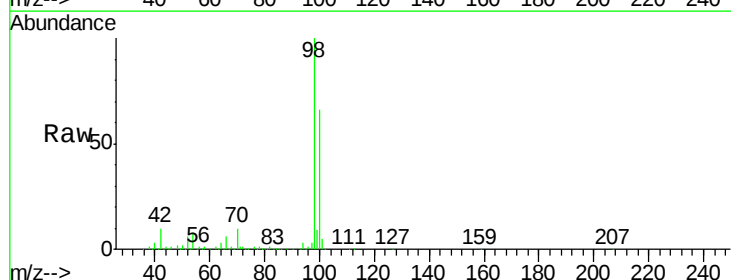
Manual Integrations
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#50
 Toluene-d8
 Concen: 52.363 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion	98	Resp	738742
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 98.522 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampled :

VN0529WBS01

Tot Ion: 43 Resp: 427419

Ion Ratio Lower Upper

43 100

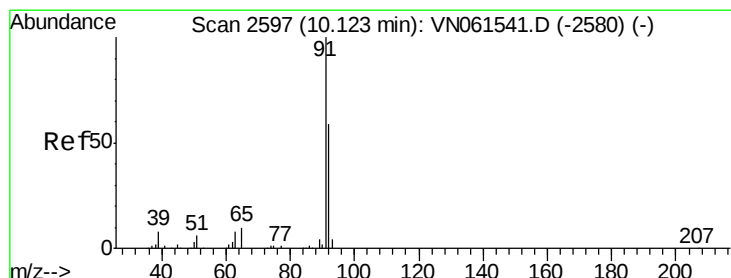
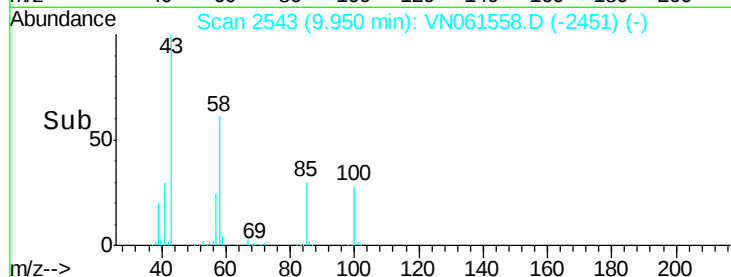
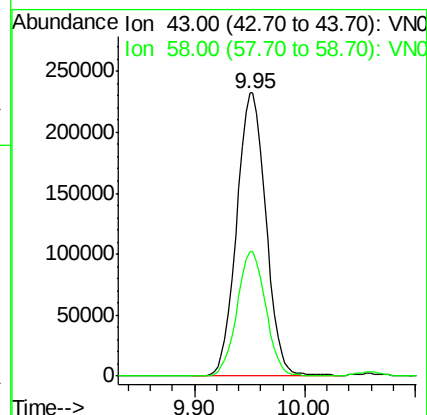
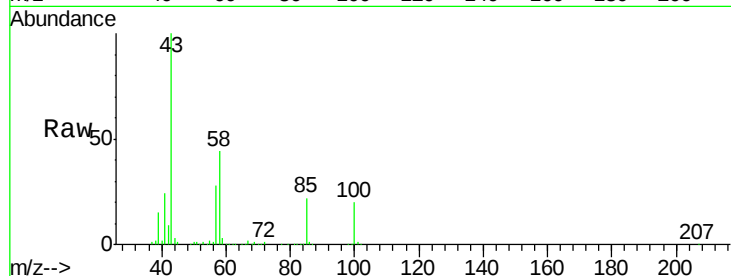
58 43.5 35.0 52.6

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#52

Toluene

Concen: 20.511 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061558.D

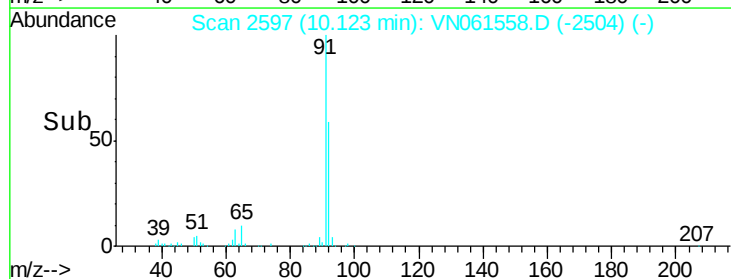
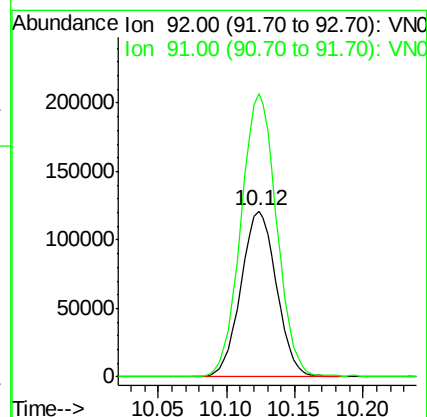
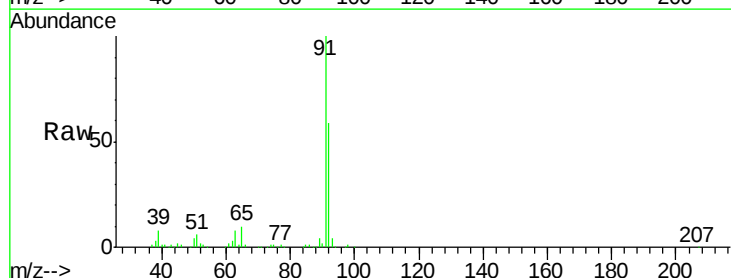
Acq: 29 May 2020 11:35

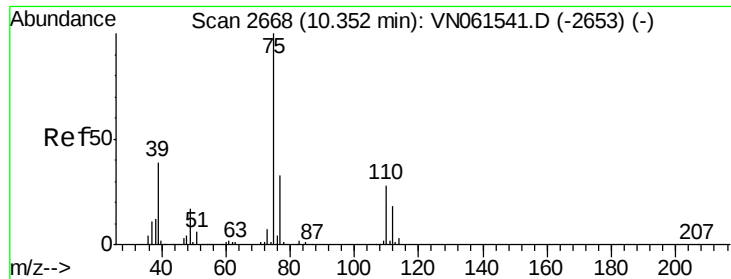
Tgt Ion: 92 Resp: 219450

Ion Ratio Lower Upper

92 100

91 171.3 136.4 204.6





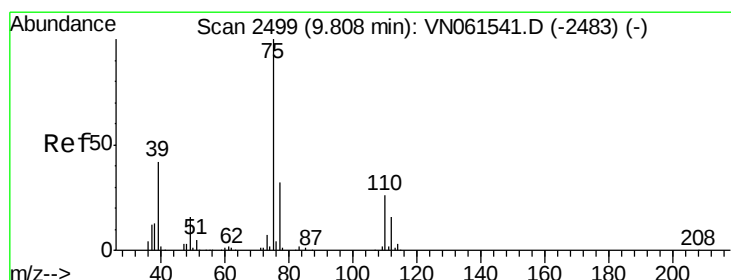
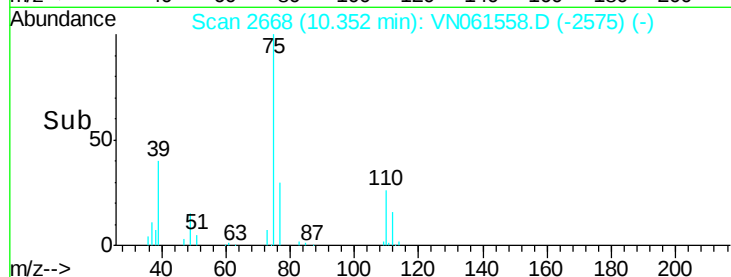
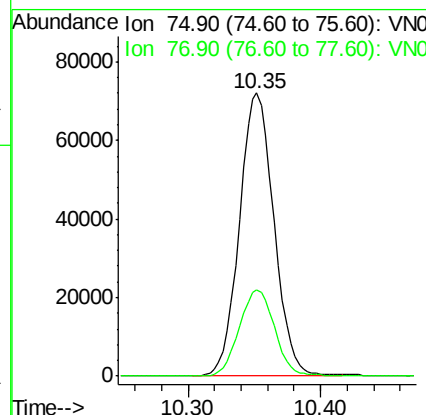
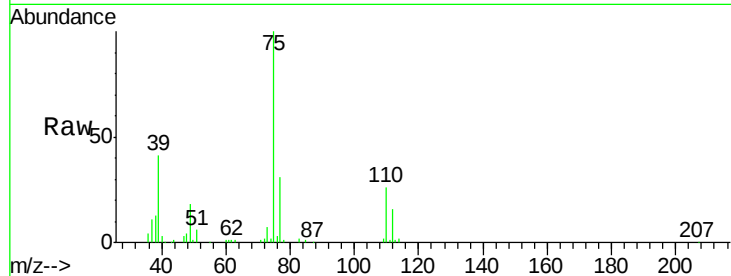
#53
t-1,3-Dichloropropene
Concen: 20.444 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampled :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.2	39.4

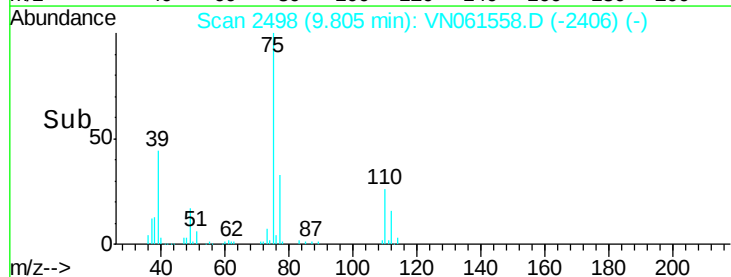
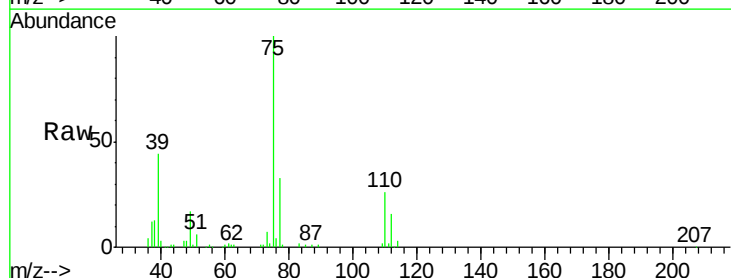
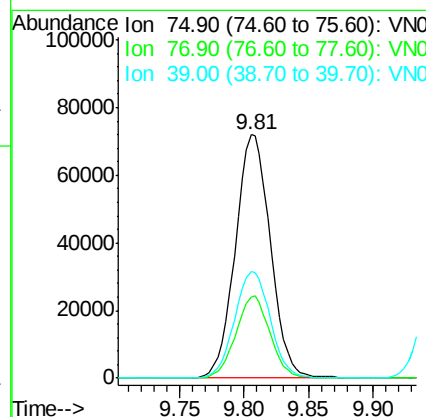
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#54
cis-1,3-Dichloropropene
Concen: 19.867 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.4	38.2
39	43.7	33.8	50.6





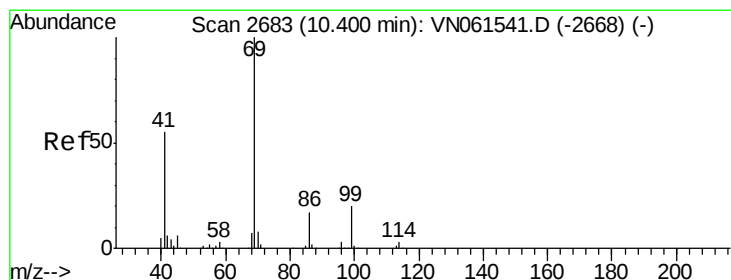
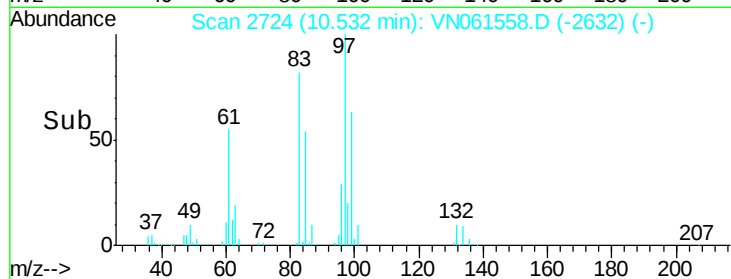
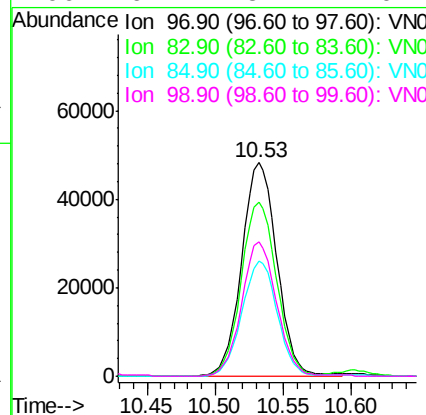
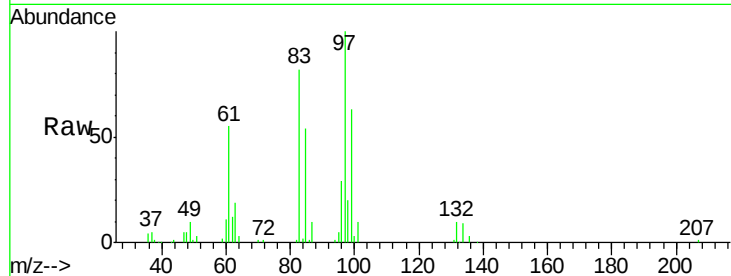
#55
 1,1,2-Trichloroethane
 Concen: 20.320 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion:	97	Resp:	86613
Ion	Ratio	Lower	Upper
97	100		
83	81.5	68.1	102.1
85	54.0	44.1	66.1
99	62.7	51.1	76.7

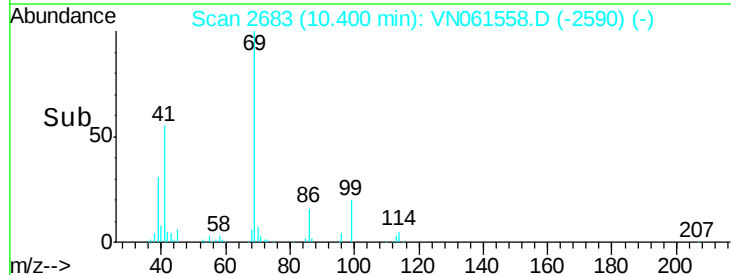
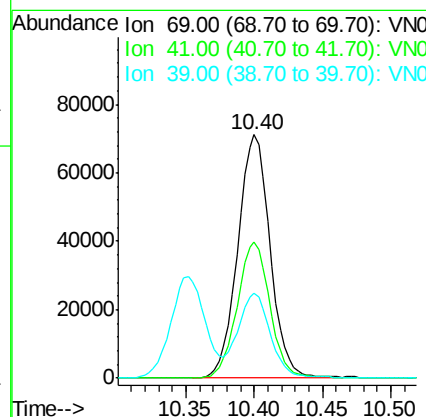
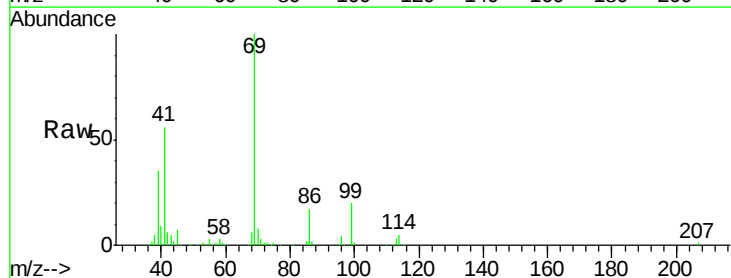
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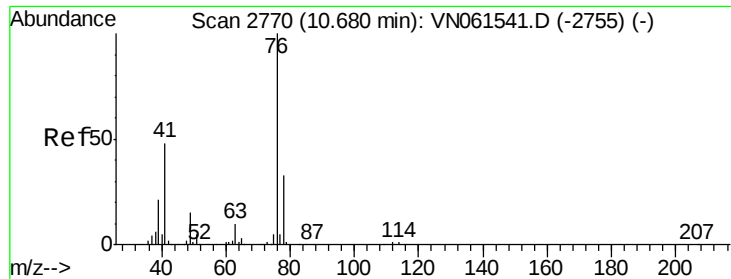
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#56
 Ethyl methacrylate
 Concen: 19.732 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion:	69	Resp:	117494
Ion	Ratio	Lower	Upper
69	100		
41	55.7	43.5	65.3
39	34.3	27.0	40.6





#57

1,3-Dichloropropane

Concen: 20.389 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampled :

VN0529WBS01

Tot Ion: 76 Resp: 139003

Ion Ratio Lower Upper

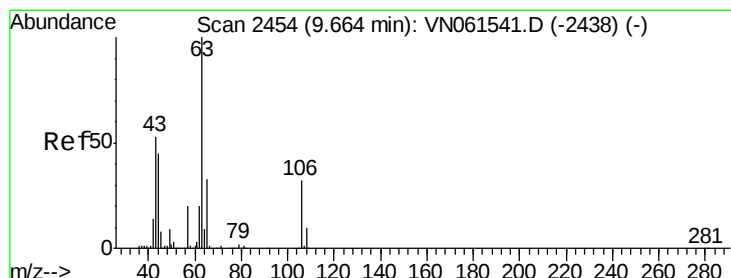
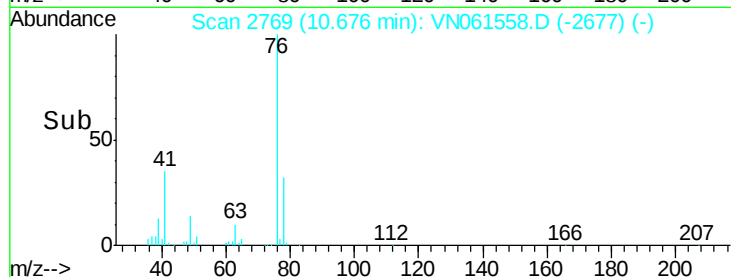
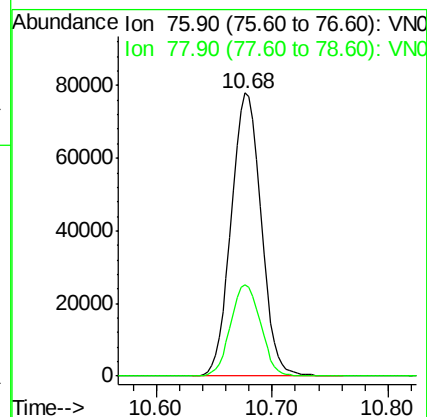
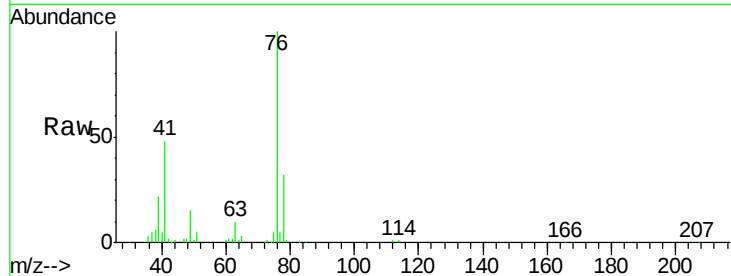
76 100

78 32.5 26.3 39.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 102.203 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN061558.D

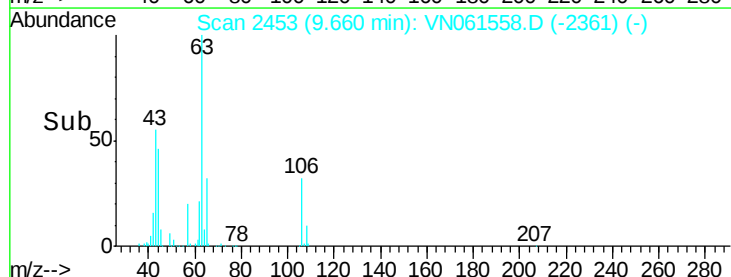
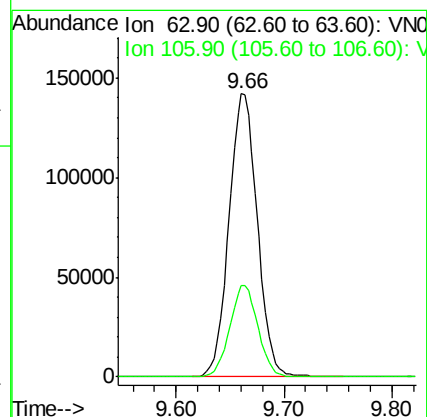
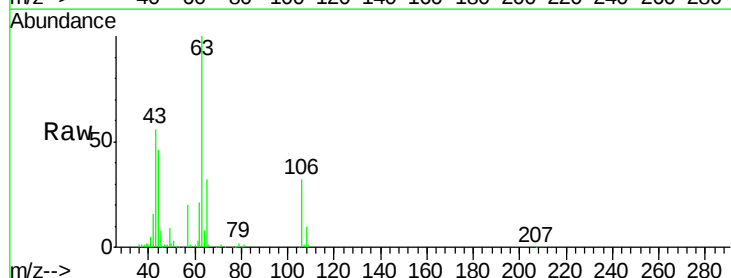
Acq: 29 May 2020 11:35

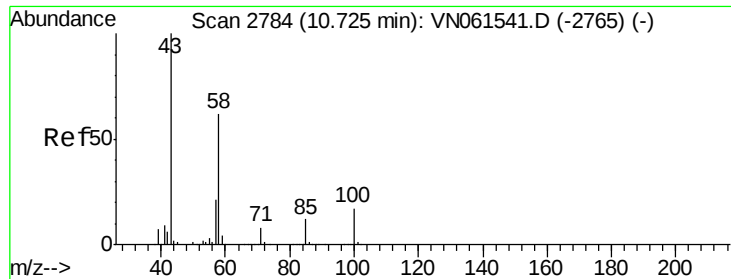
Tgt Ion: 63 Resp: 260062

Ion Ratio Lower Upper

63 100

106 32.0 25.9 38.9





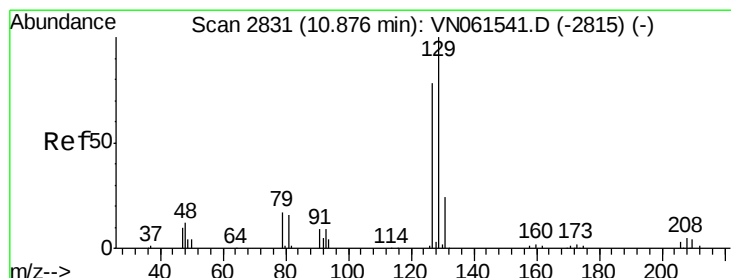
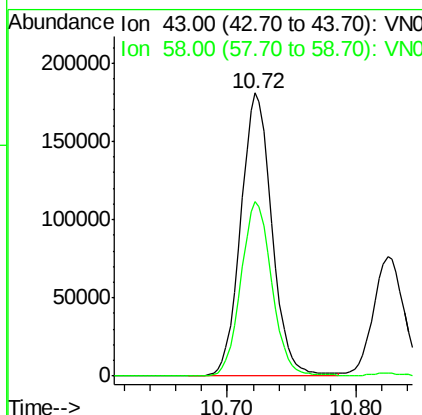
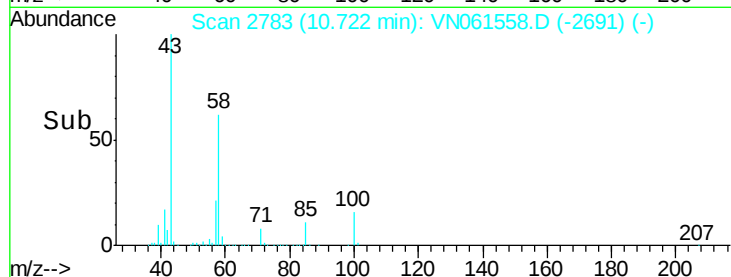
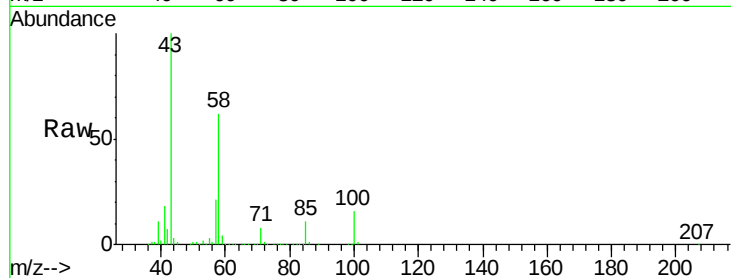
#59
2-Hexanone
Concen: 97.656 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampled :
VN0529WBS01

Tot Ion: 43 Resp: 304264
Ion Ratio Lower Upper
43 100
58 61.4 30.7 92.1

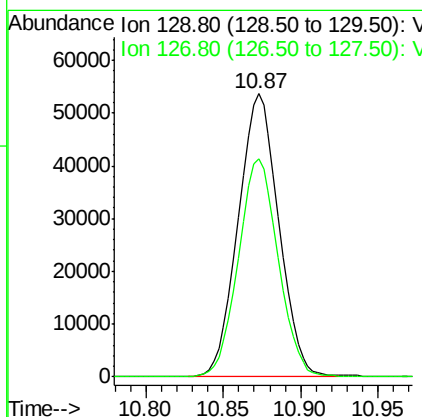
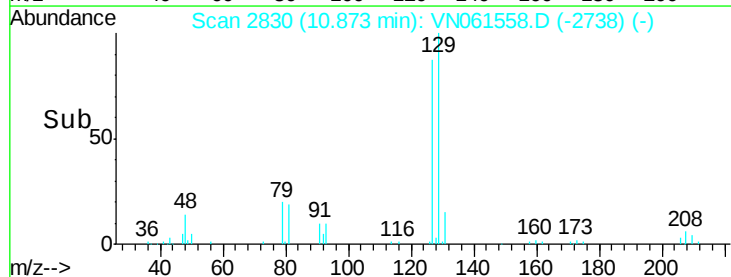
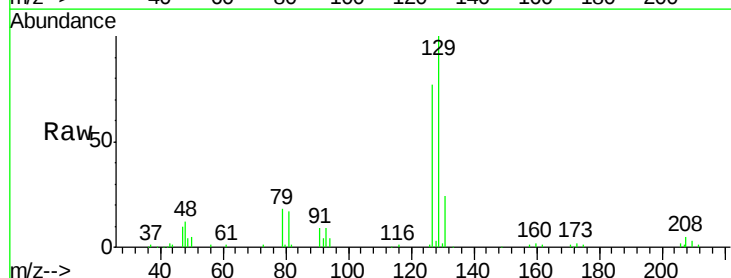
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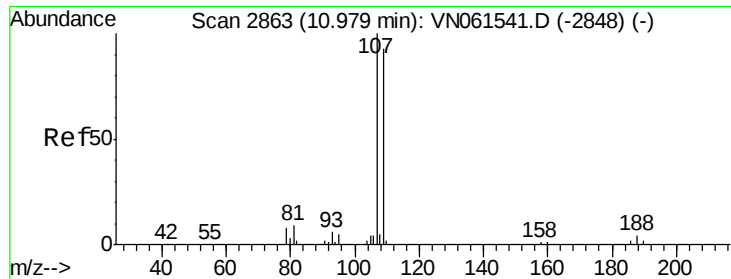
MMDadoda
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#60
Dibromochloromethane
Concen: 20.167 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion: 129 Resp: 97730
Ion Ratio Lower Upper
129 100
127 75.7 38.8 116.3





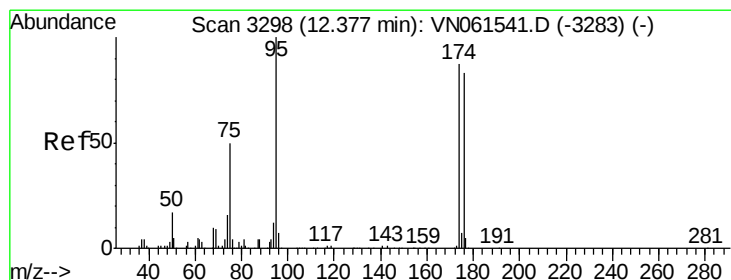
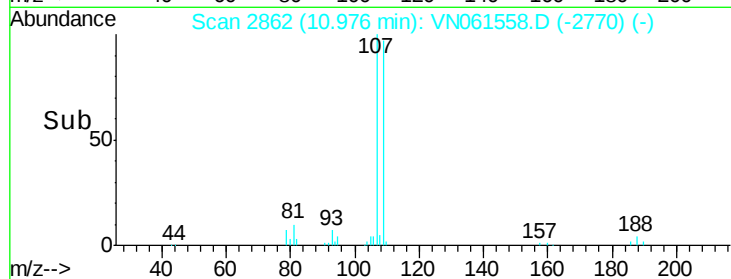
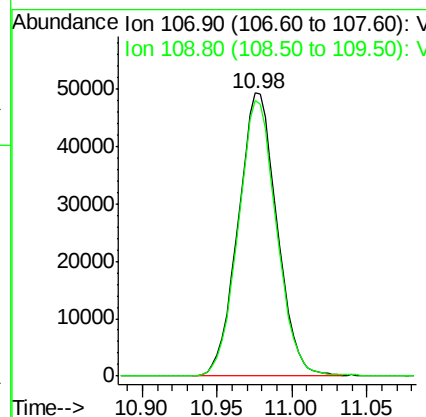
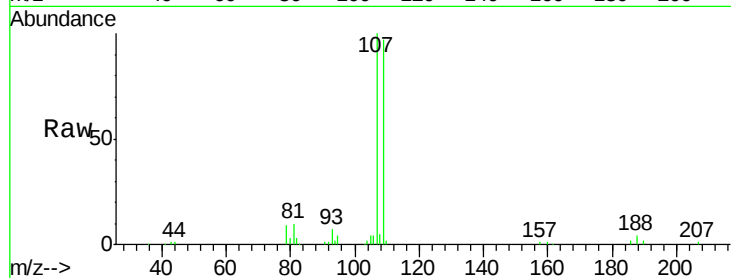
#61
 1,2-Dibromoethane
 Concen: 20.018 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion:107 Resp: 88994
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.1 114.1

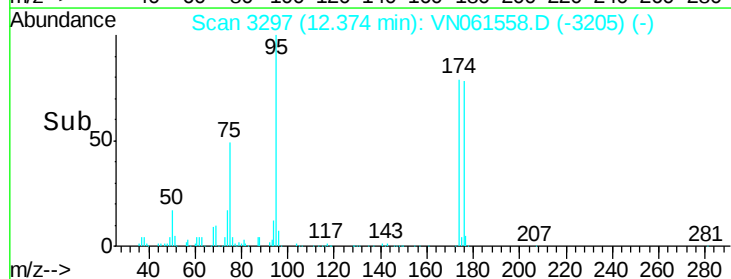
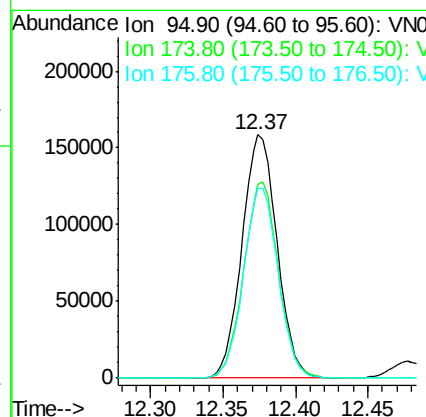
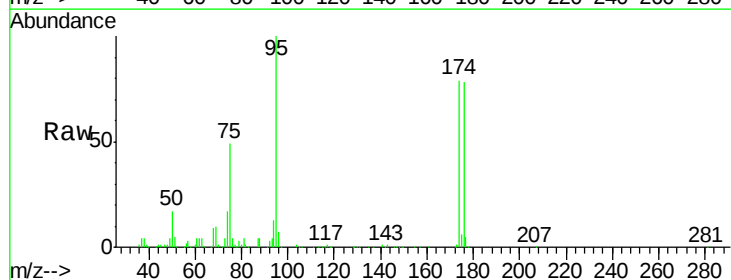
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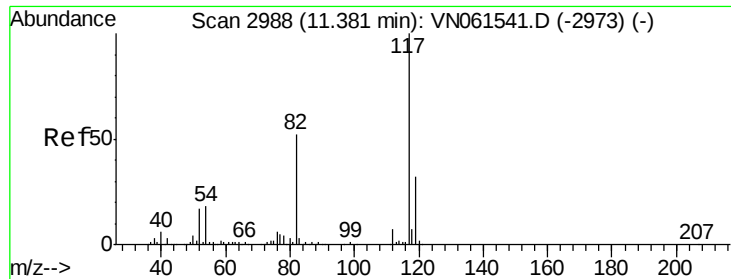
MMDadoda
 6/1/2020 12:29:48 PM



#62
 4-Bromofluorobenzene
 Concen: 51.865 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion: 95 Resp: 266954
 Ion Ratio Lower Upper
 95 100
 174 79.6 0.0 172.8
 176 77.3 0.0 164.8





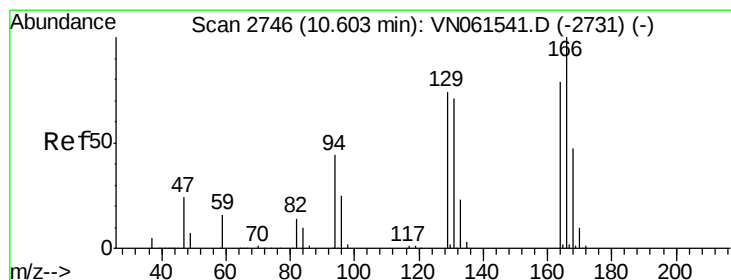
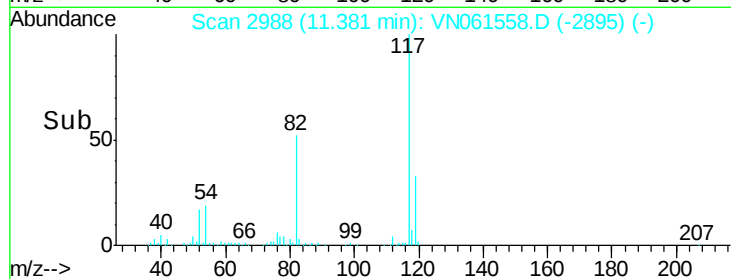
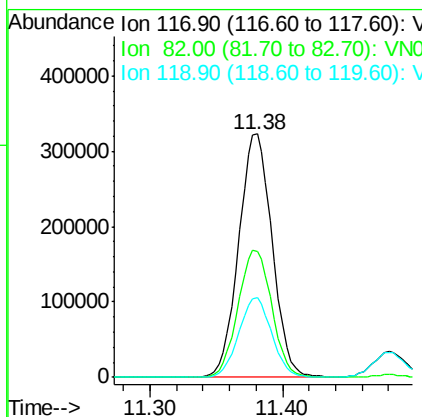
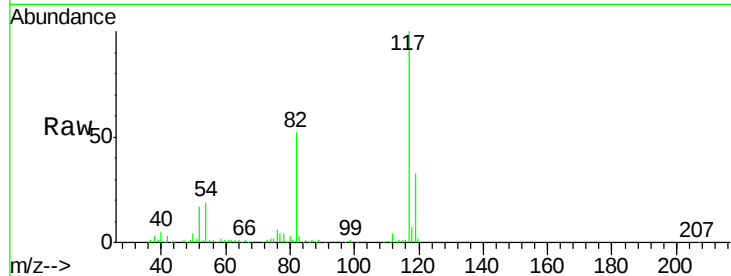
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	565498		
82	51.9		41.5	62.3
119	32.7		25.6	38.4

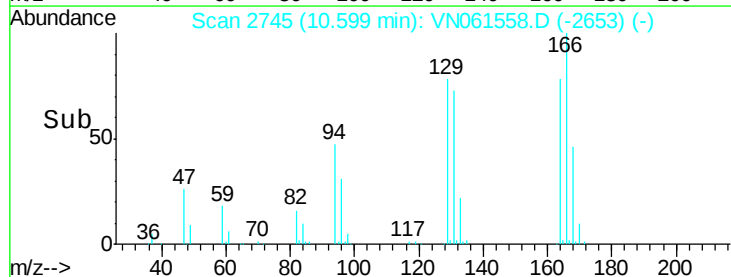
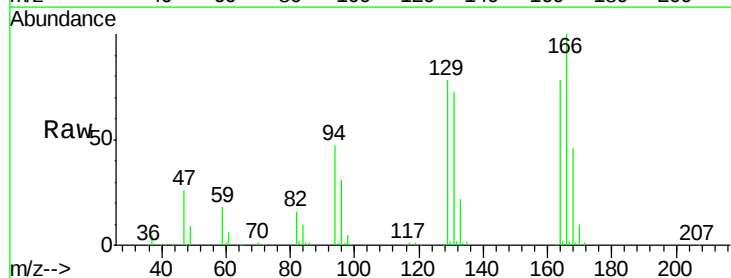
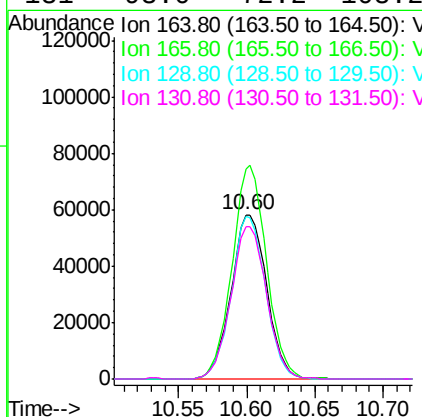
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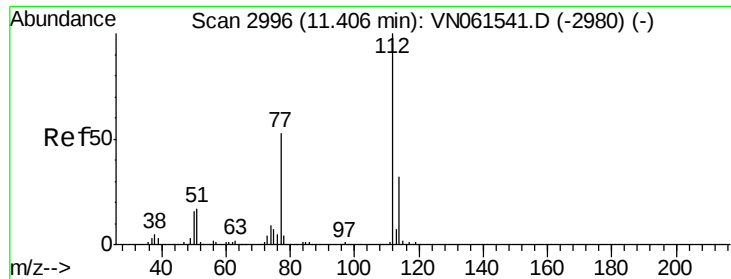
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#64
Tetrachloroethene
Concen: 19.836 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	105589		
166	127.8		101.5	152.3
129	99.4		74.9	112.3
131	93.0		72.2	108.2





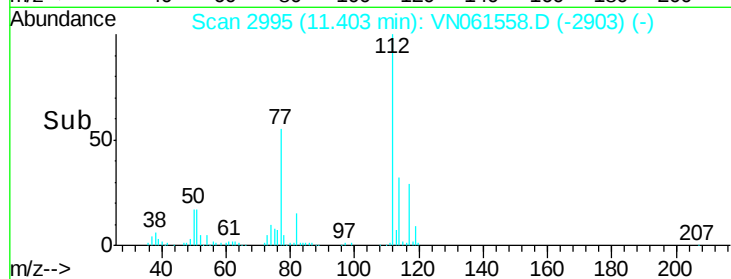
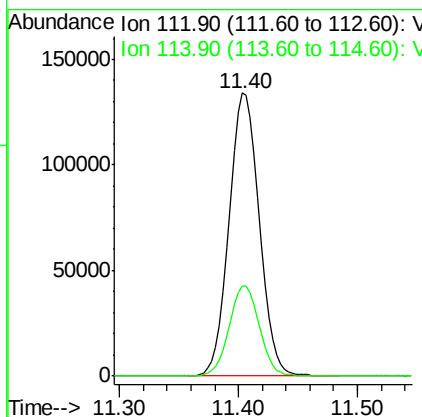
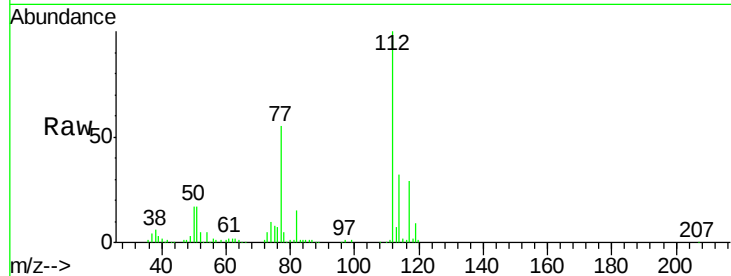
#65
Chlorobenzene
Concen: 20.102 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampled :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.7	38.5

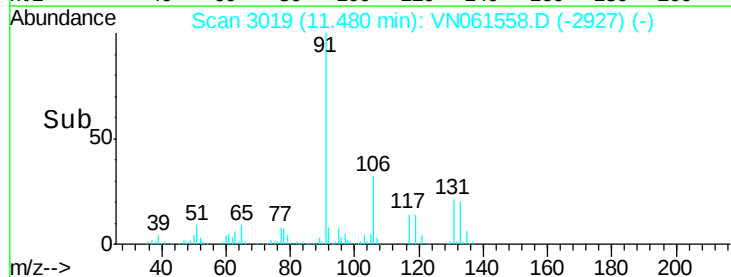
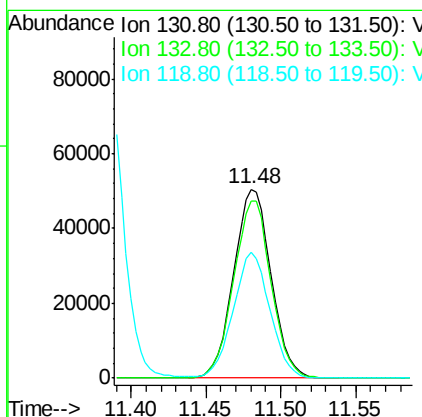
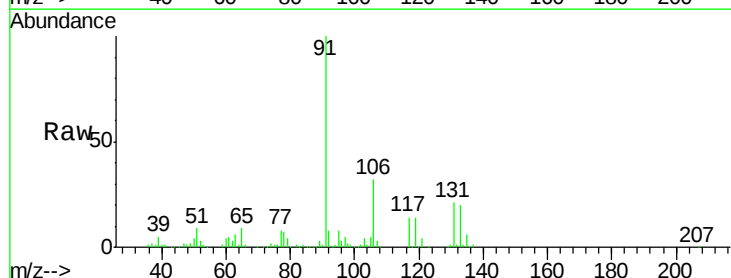
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.033 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.4	142.2
119	65.7	32.6	97.8





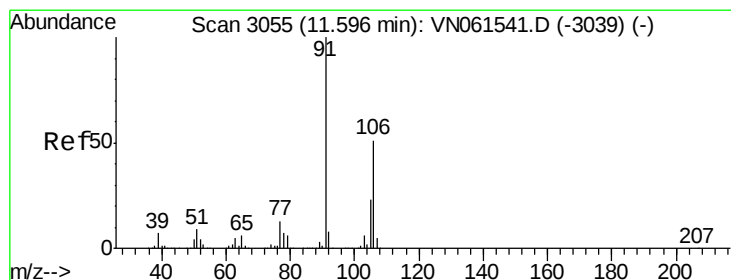
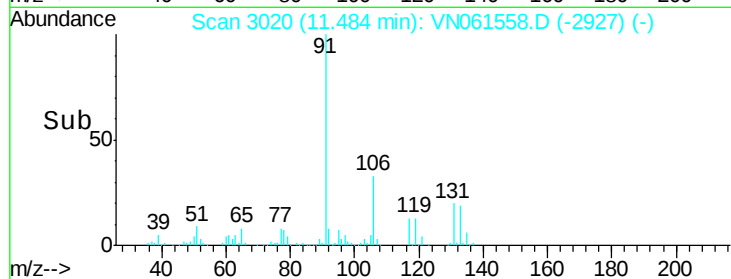
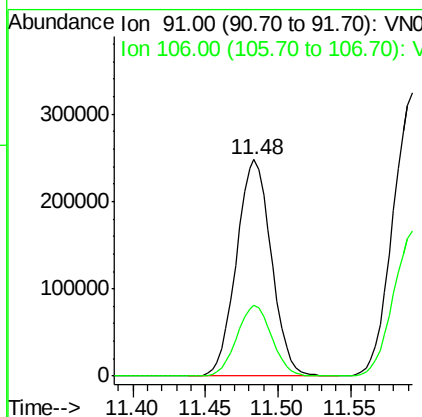
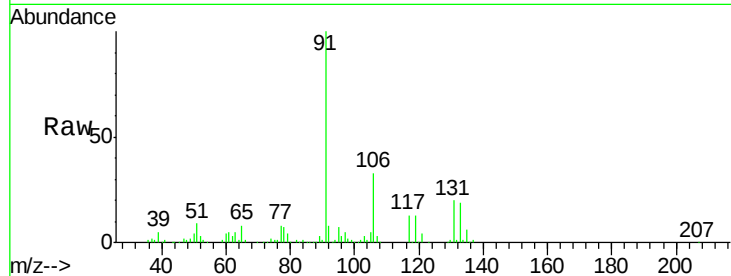
#67
Ethyl Benzene
Concen: 20.438 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampled :
VN0529WBS01

Tot Ion	91	Resp	415229
Ion Ratio	100	Lower	Upper
106	32.6	25.6	38.4

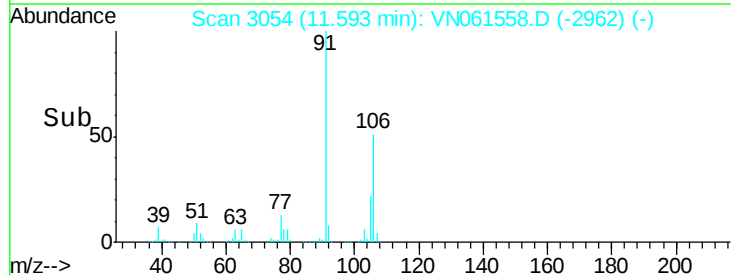
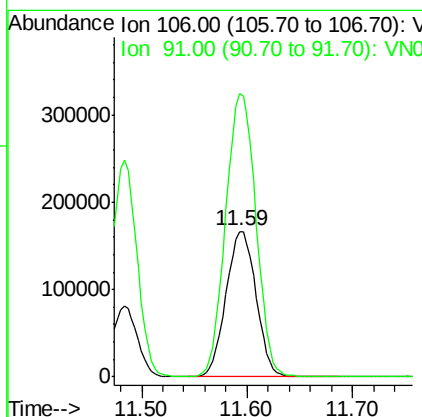
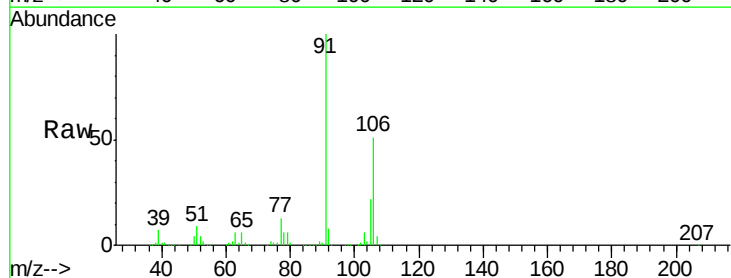
Manual Integrations
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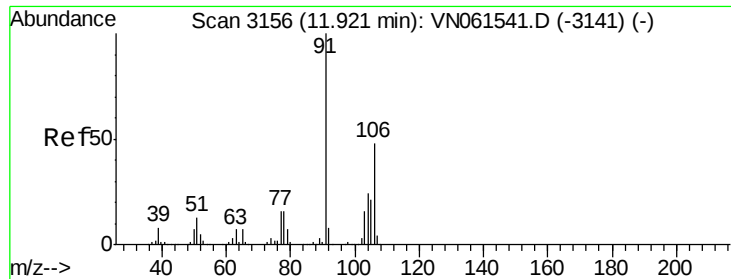
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#68
m/p-Xylenes
Concen: 40.849 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	106	Resp	329062
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	195.7	156.2	234.4





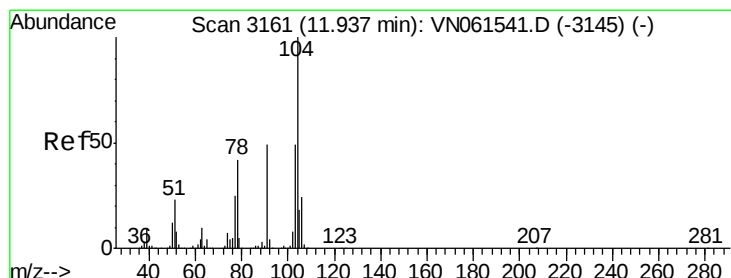
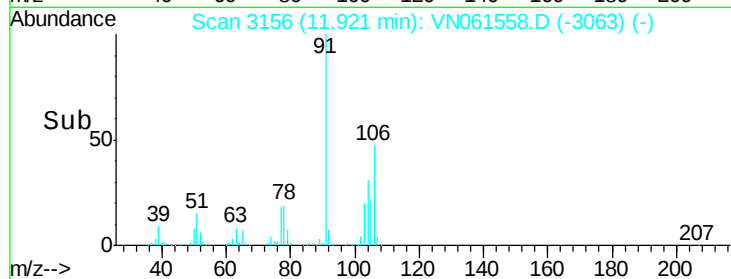
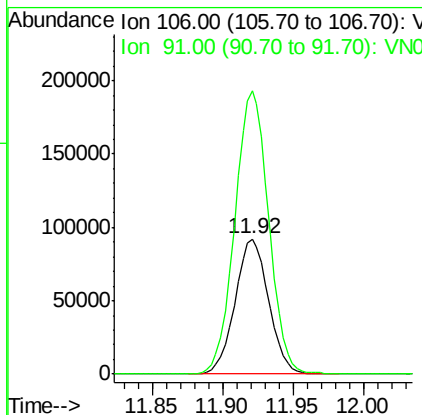
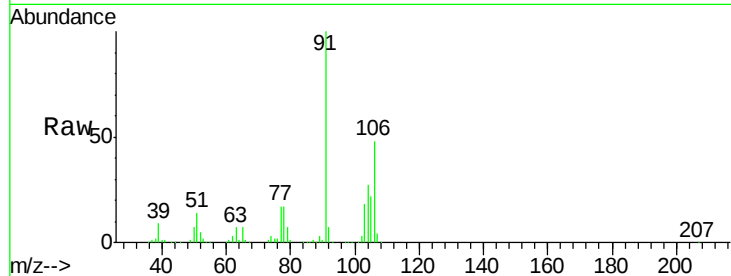
#69
o-Xylene
Concen: 20.051 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampled :
VN0529WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	211.6	103.3	153415	309.8	

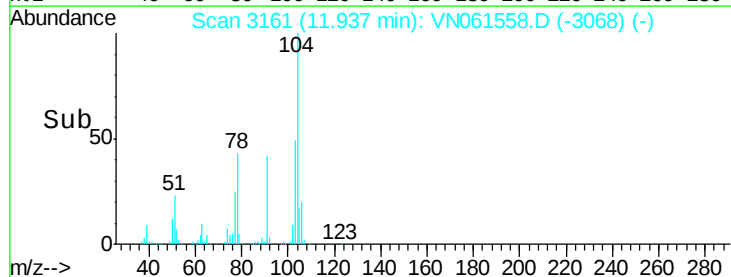
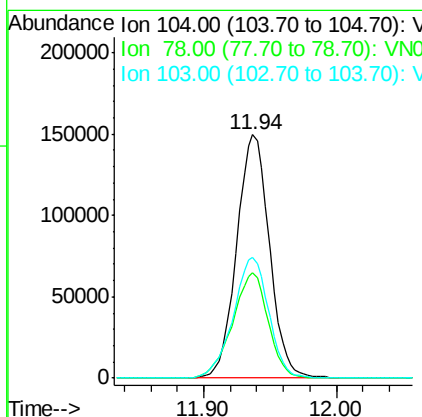
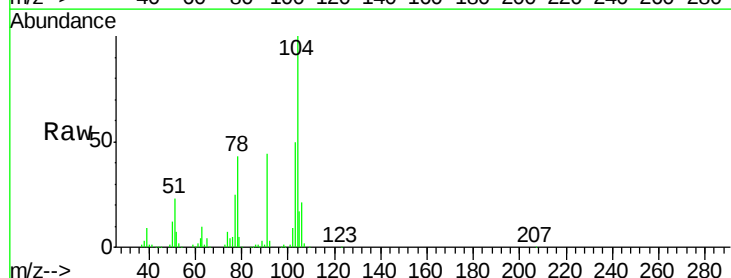
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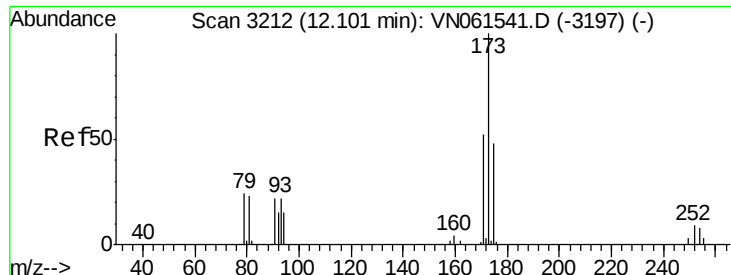
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#70
Styrene
Concen: 20.266 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.2	37.4	256791	56.0	
103	53.9	42.3		63.5	





#71

Bromoform

Concen: 18.469 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

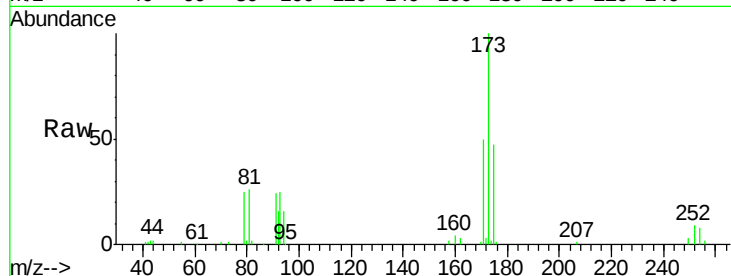
ClientSampled :

VN0529WBS01

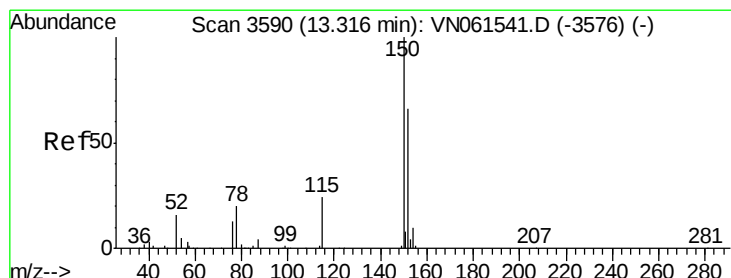
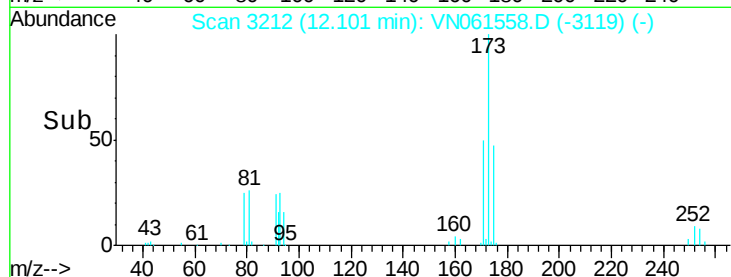
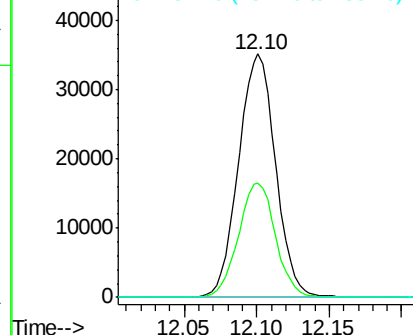
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.4	73.2
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

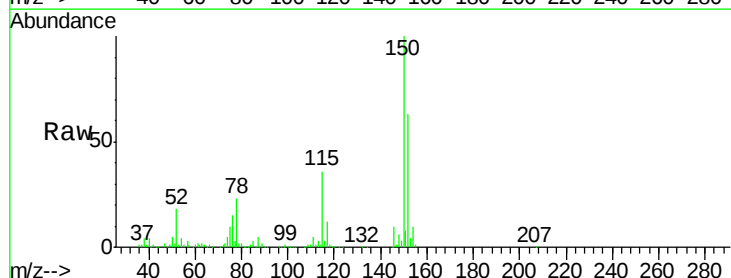
RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

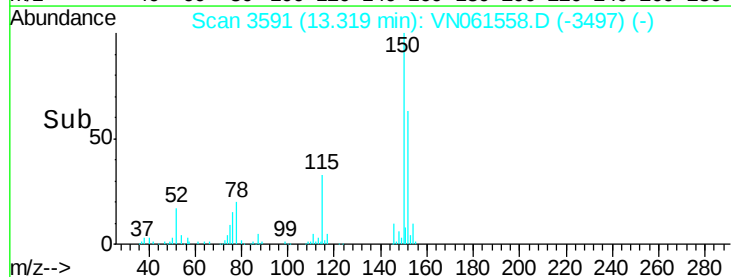
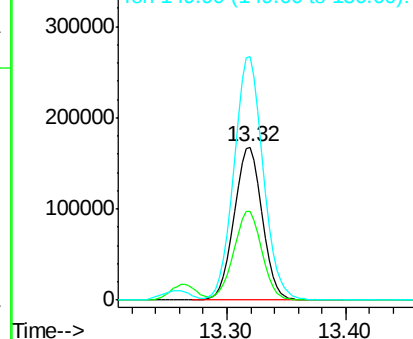
Lab File: VN061558.D

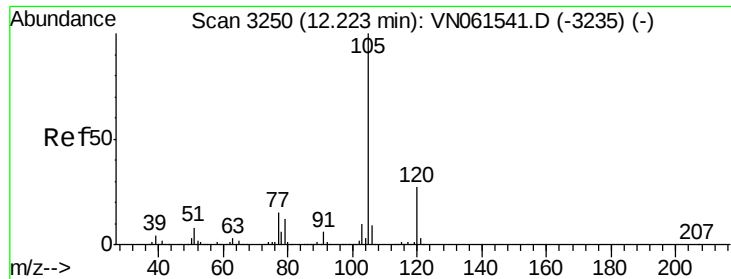
Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.0	84.0
150	165.5	0.0	344.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.811 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampled :

VN0529WBS01

Tot Ion:105 Resp: 416617

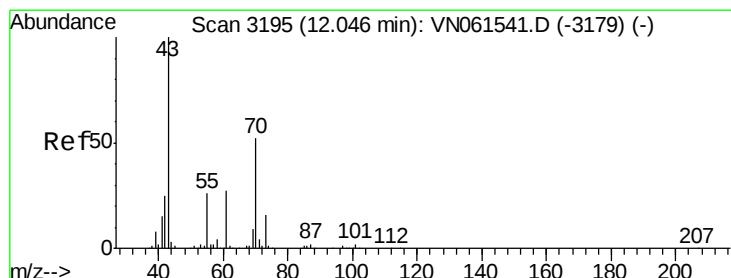
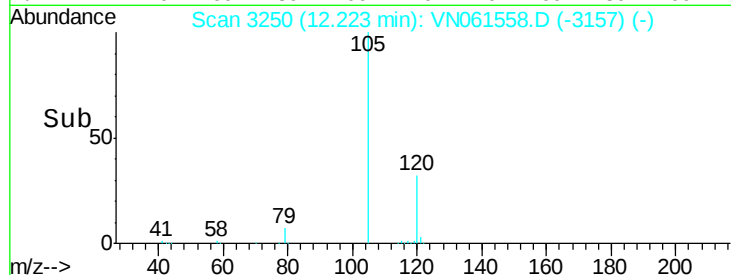
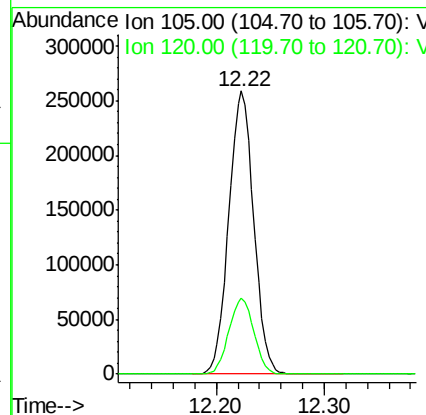
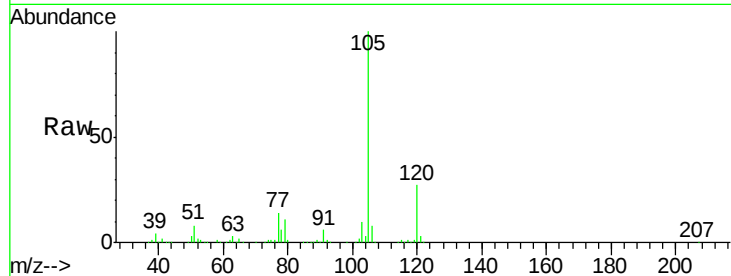
Ion Ratio Lower Upper

105 100

120 27.0 13.8 41.3

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#74

N-ethyl acetate

Concen: 19.778 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Tgt Ion: 43 Resp: 124693

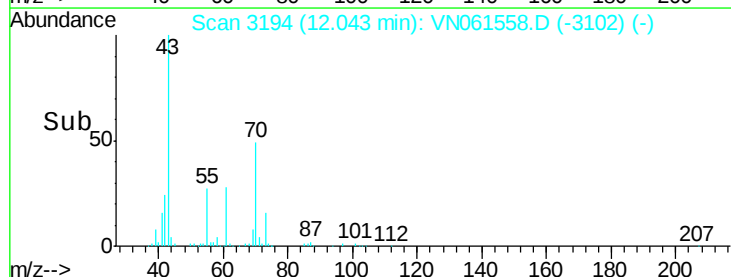
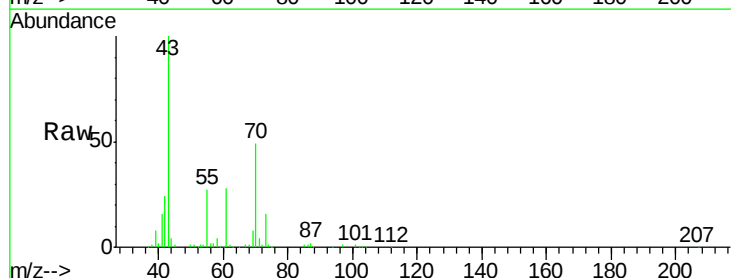
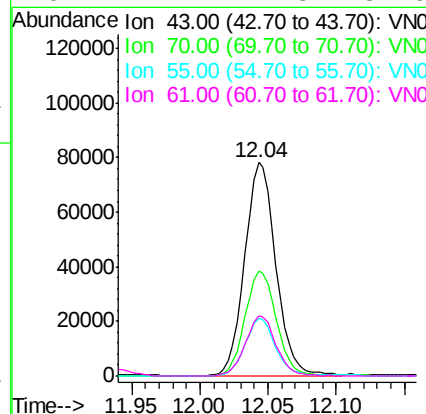
Ion Ratio Lower Upper

43 100

70 50.0 40.5 60.7

55 26.3 20.6 31.0

61 27.4 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.660 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

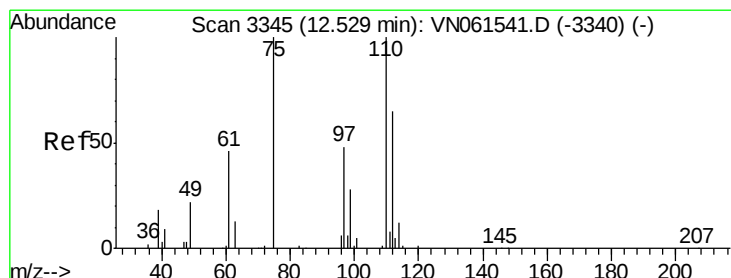
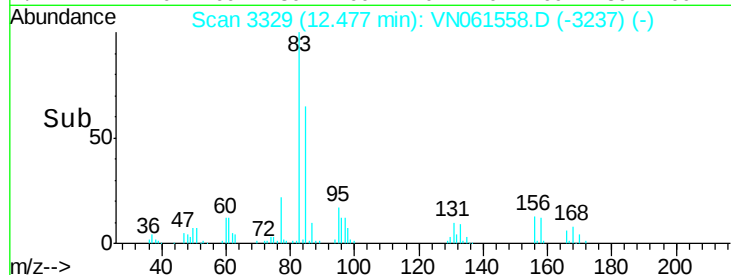
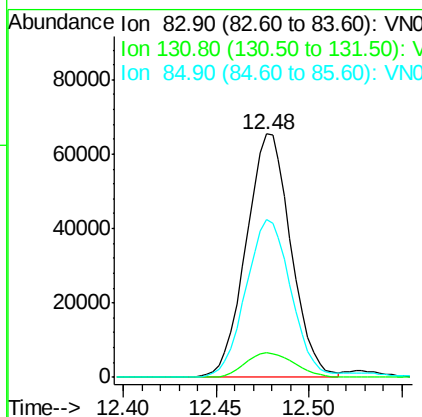
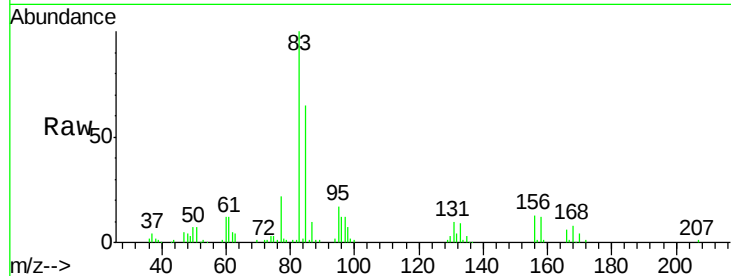
ClientSampled :

VN0529WBS01

Tot Ion:	83	Resp:	110290
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.5
85	65.4	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.660 ug/l m

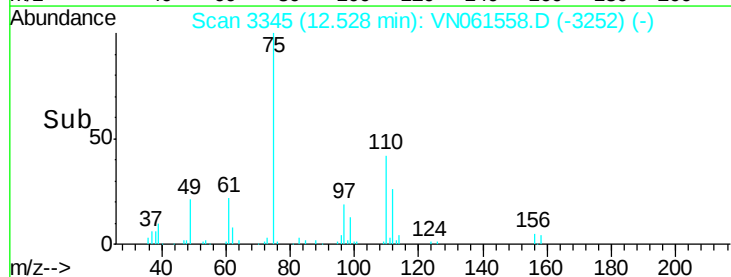
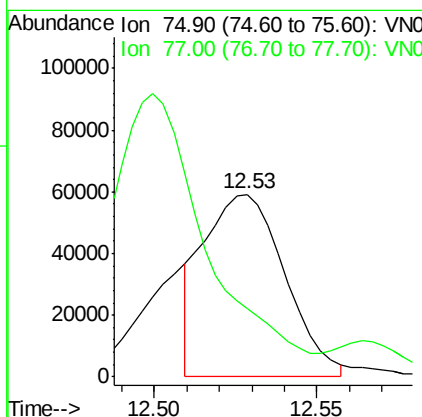
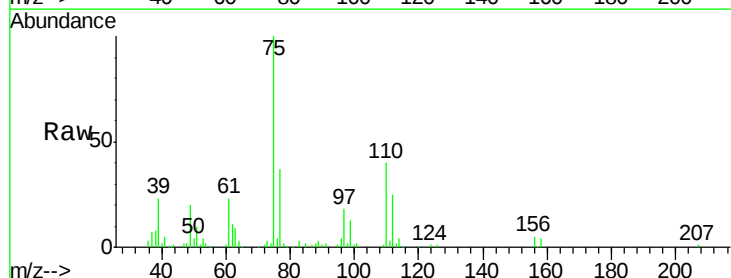
RT: 12.53 min Scan# 3345

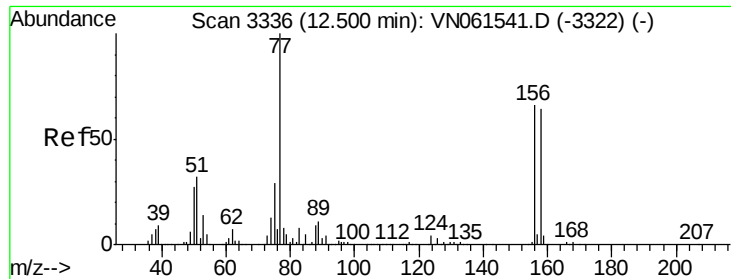
Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Tgt Ion:	75	Resp:	103043
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.891 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

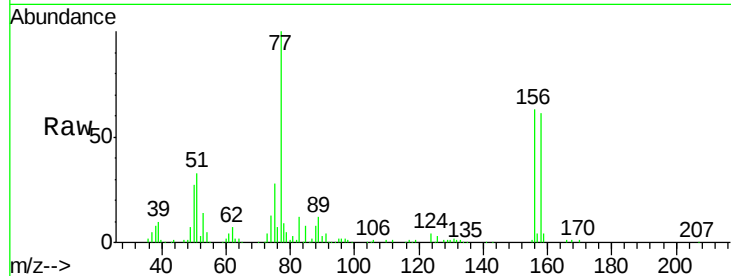
ClientSampled :

VN0529WBS01

Tot Ion:	156	Resp:	101645
Ion Ratio	Lower	Upper	
156	100		
77	189.0	90.9	272.7
158	95.2	48.4	145.3

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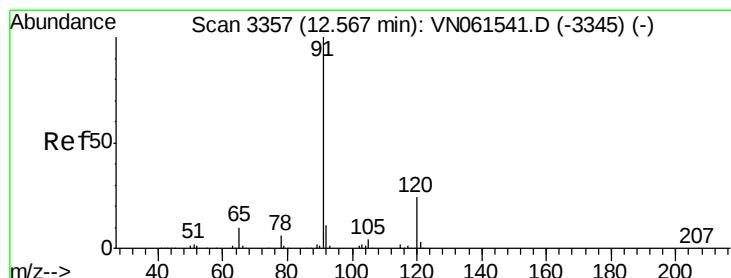
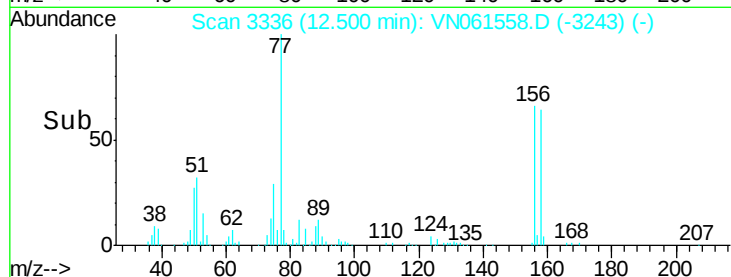
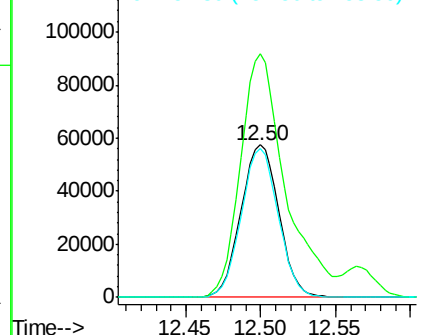
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.906 ug/l

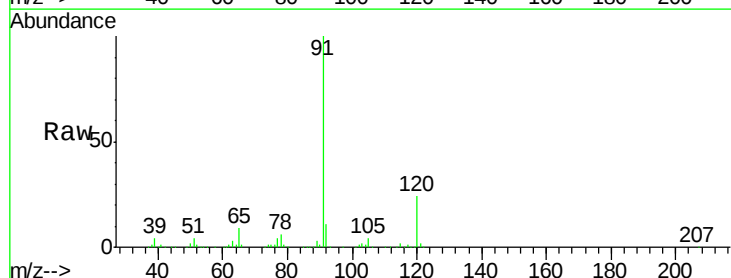
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061558.D

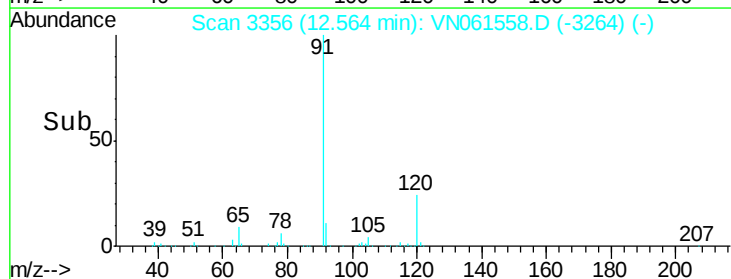
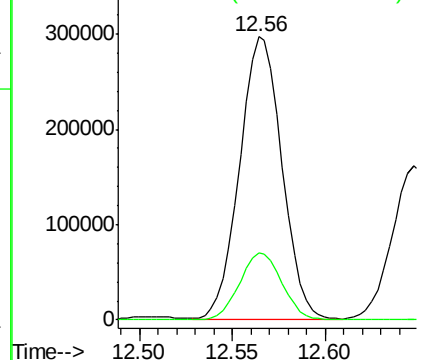
Acq: 29 May 2020 11:35

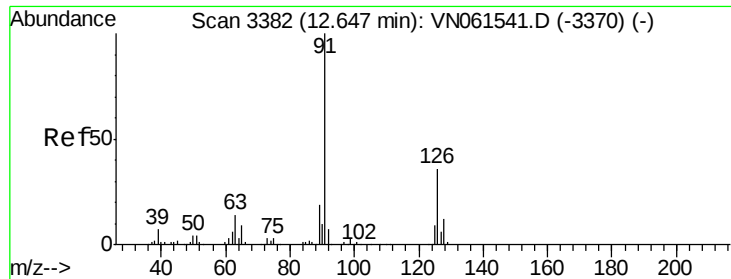
Tgt Ion:	91	Resp:	467216
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.077 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampled :

VN0529WBS01

Tot Ion: 91 Resp: 267548

Ion Ratio Lower Upper

91 100

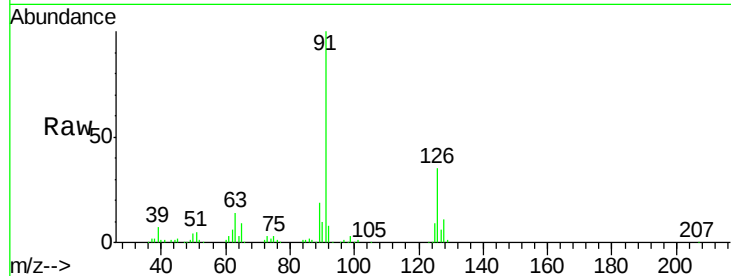
126 35.9 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VN061558.D (-3289) (-)

Ion 125.90 (125.60 to 126.60): VN061558.D (-3289) (-)

300000

250000

200000

150000

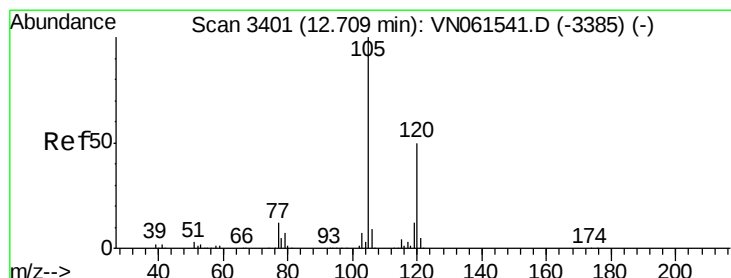
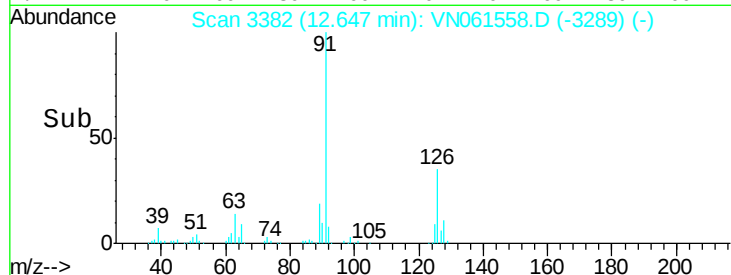
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.696 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061558.D

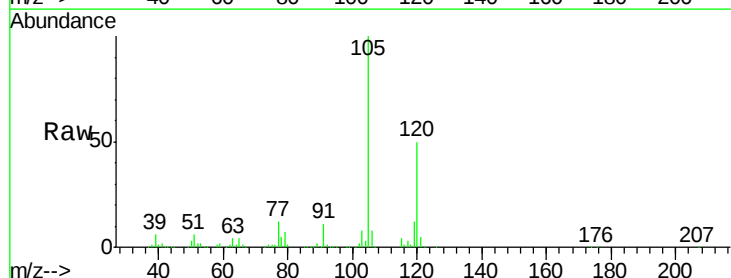
Acq: 29 May 2020 11:35

Tgt Ion:105 Resp: 346291

Ion Ratio Lower Upper

105 100

120 50.3 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061558.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN061558.D (-3308) (-)

250000

200000

150000

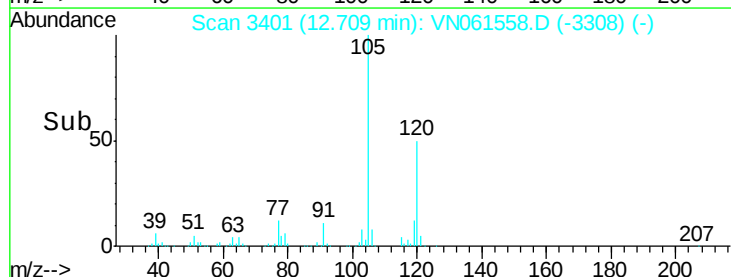
100000

50000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.480 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

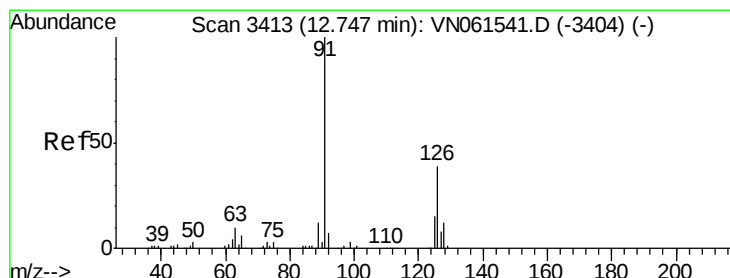
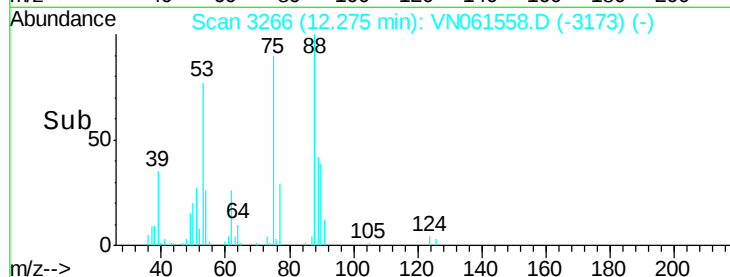
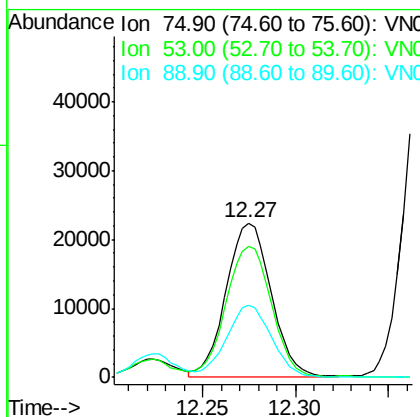
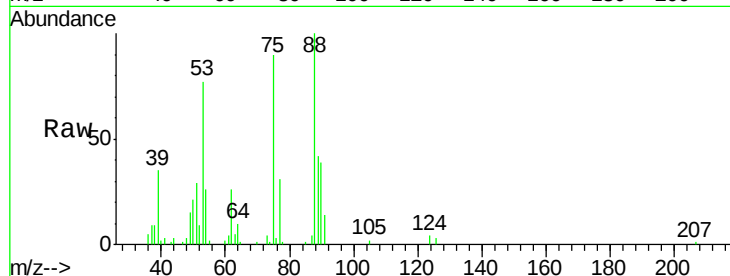
ClientSampleId :

VN0529WBS01

Tot Ion:	75	Resp:	37992
Ion	Ratio	Lower	Upper
75	100		
53	85.7	67.8	101.8
89	46.4	37.1	55.7

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#82

4-Chlorotoluene

Concen: 20.099 ug/l

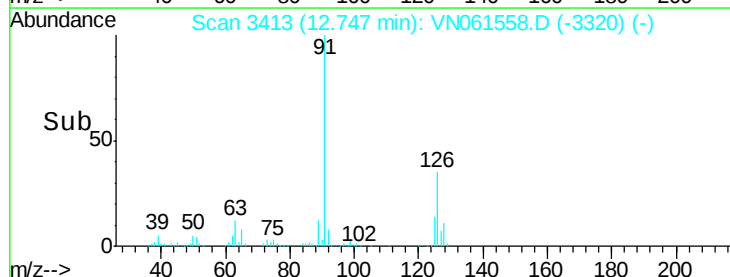
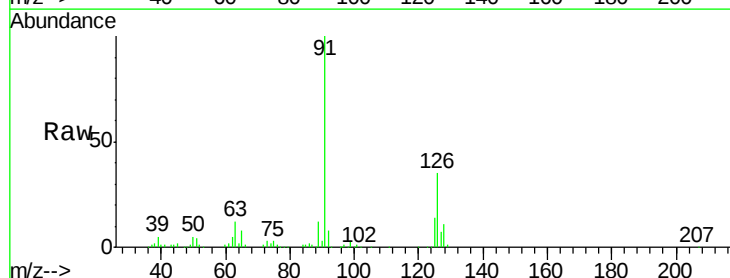
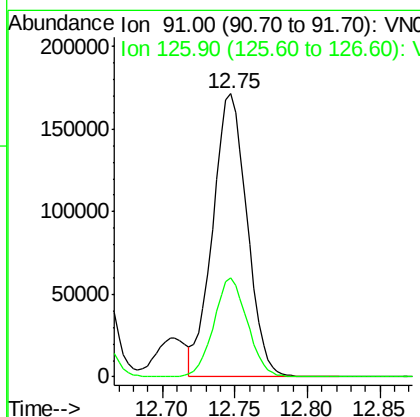
RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Tgt Ion:	91	Resp:	281771
Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.5	52.6





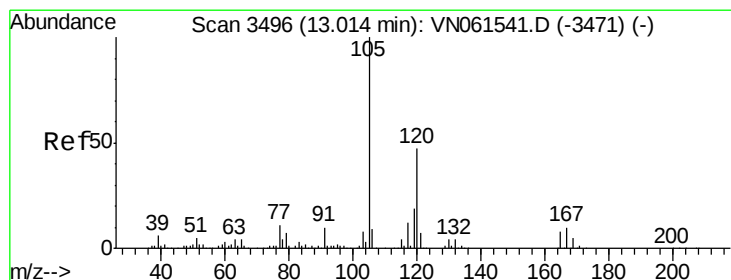
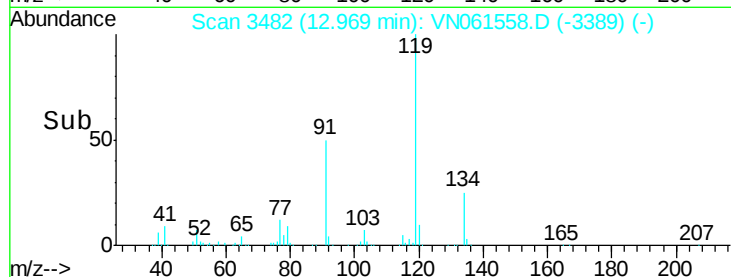
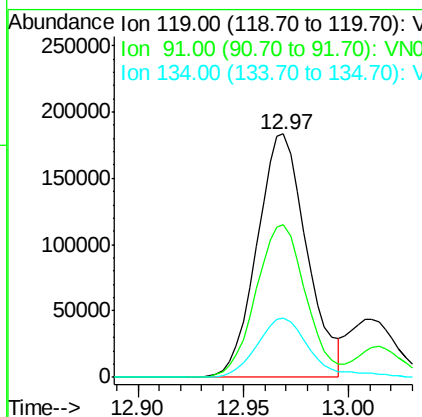
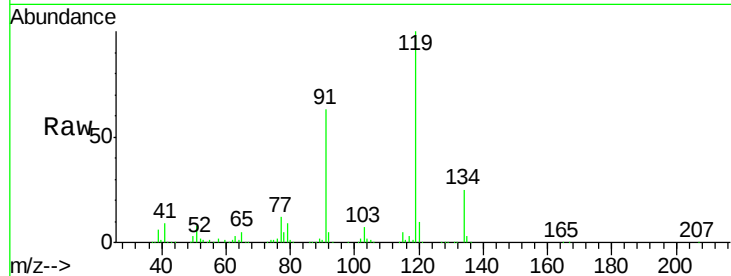
#83
tert-Butylbenzene
Concen: 20.383 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	301331		
91	63.2		31.3	93.8
134	26.1		13.5	40.4

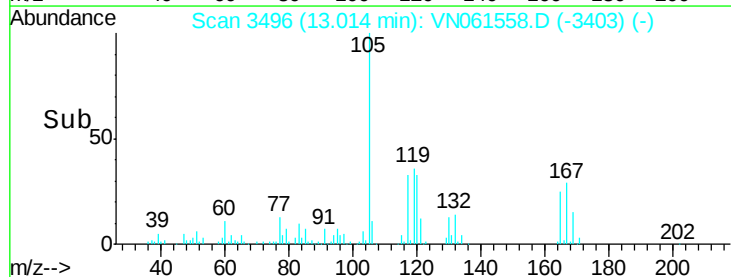
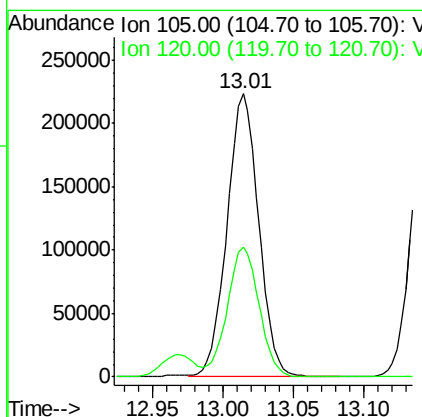
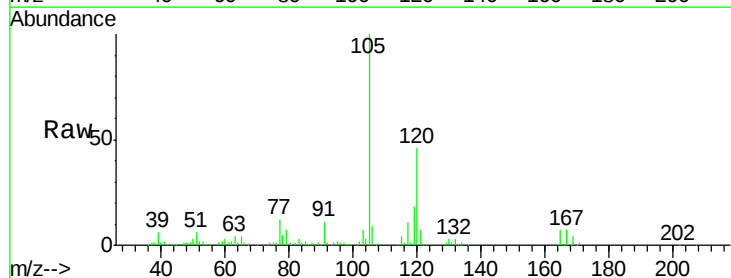
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#84
1,2,4-Trimethylbenzene
Concen: 21.018 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	349369		
120	46.4		23.2	69.5





#85

sec-Butylbenzene

Concen: 20.888 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

ClientSampled :

VN0529WBS01

Tot Ion:105 Resp: 397916

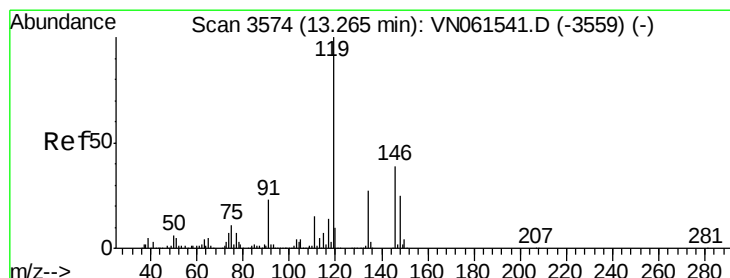
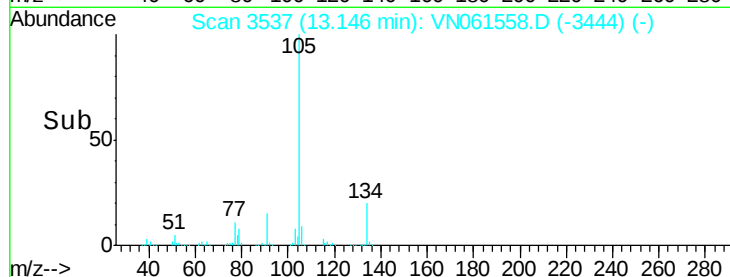
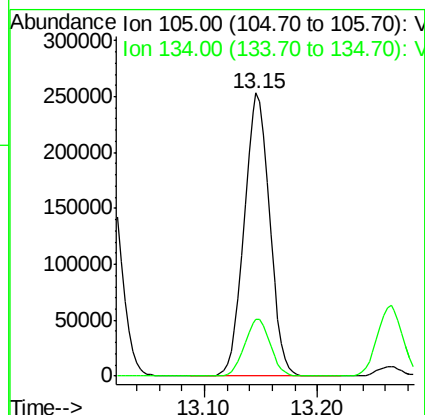
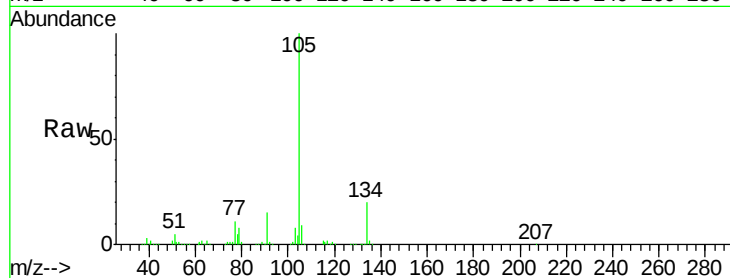
Ion Ratio Lower Upper

105 100

134 20.3 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 20.939 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

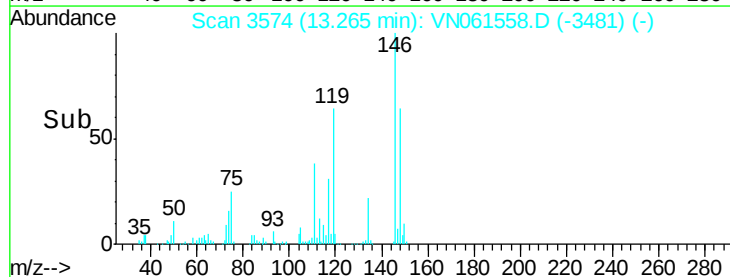
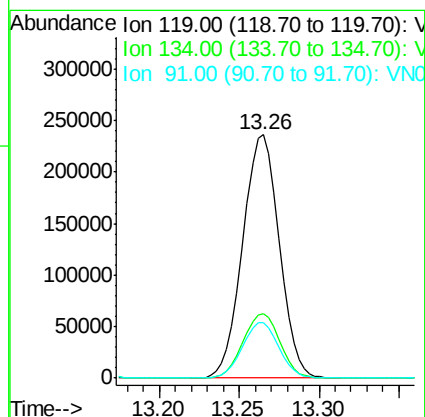
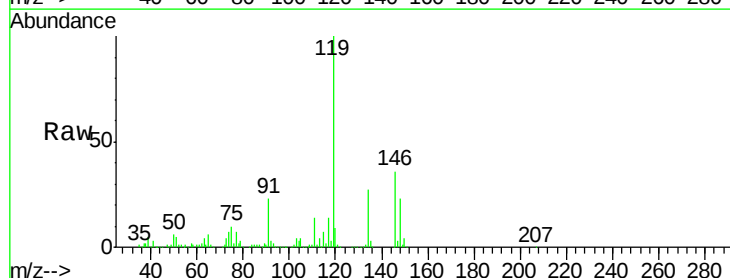
Tgt Ion:119 Resp: 367341

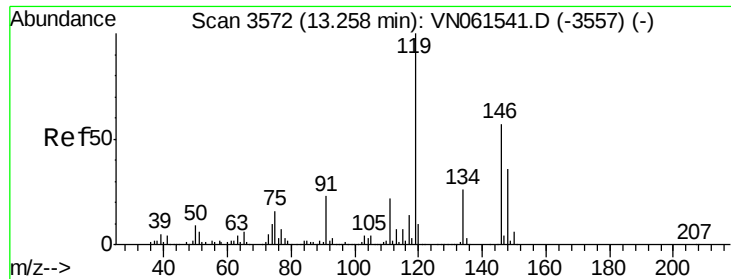
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

91 22.8 11.4 34.1





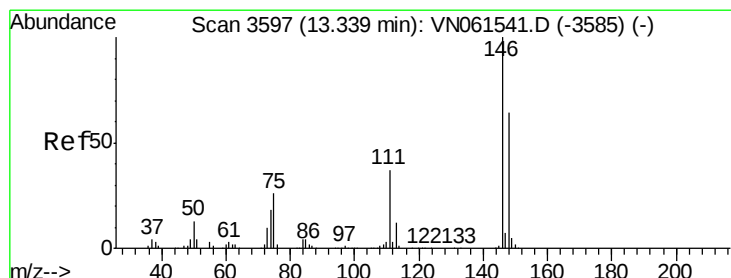
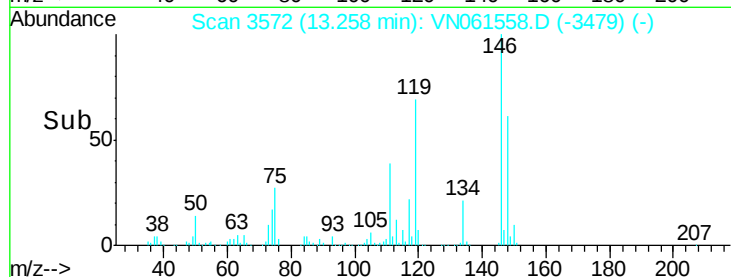
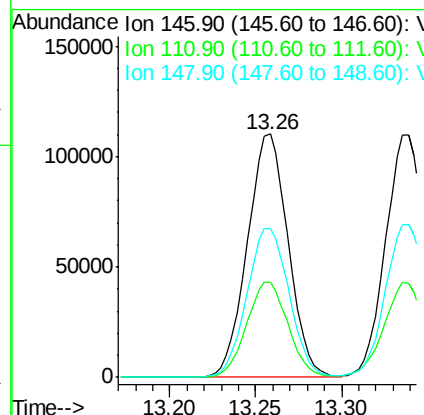
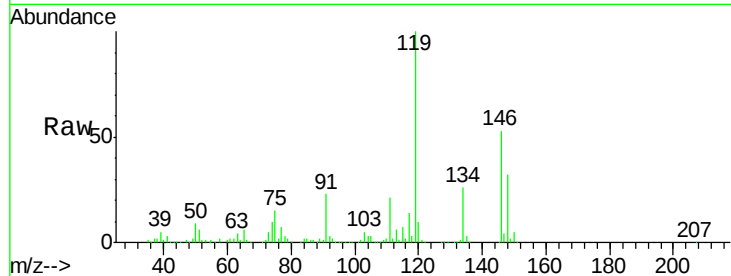
#87
 1,3-Dichlorobenzene
 Concen: 20.043 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0529WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181367		
111	39.5	19.2	57.6	
148	63.4	31.7	95.1	

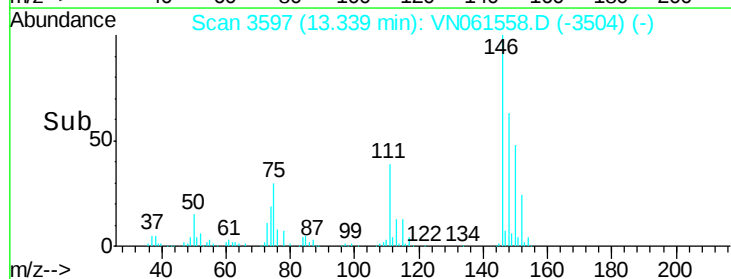
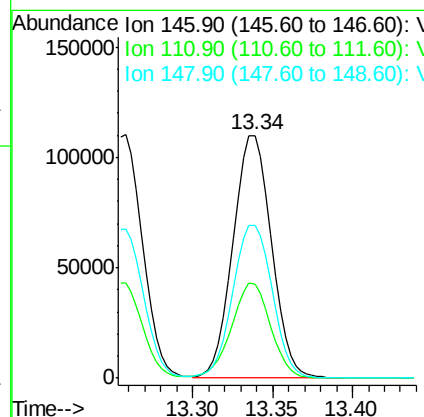
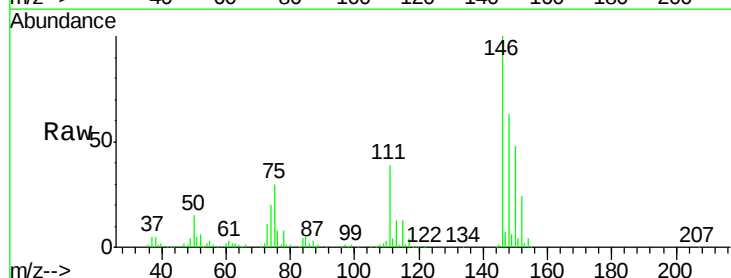
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#88
 1,4-Dichlorobenzene
 Concen: 19.444 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	179243		
111	39.8	18.9	56.9	
148	65.3	31.8	95.3	





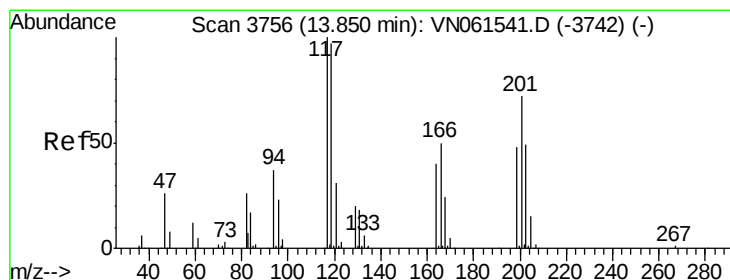
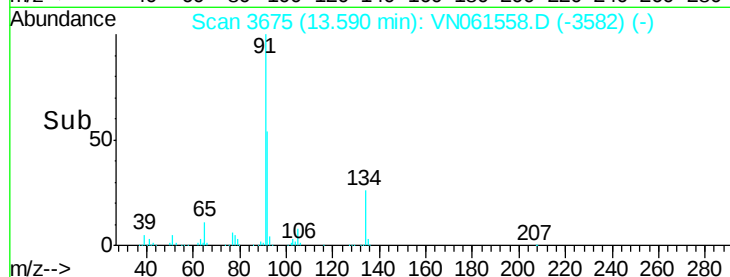
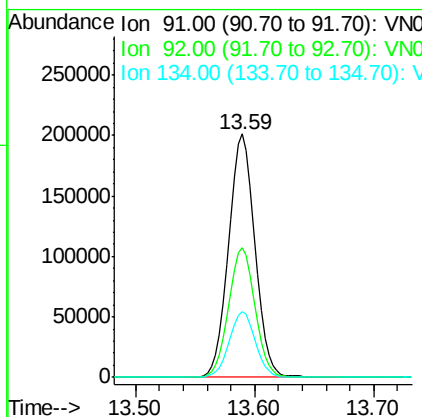
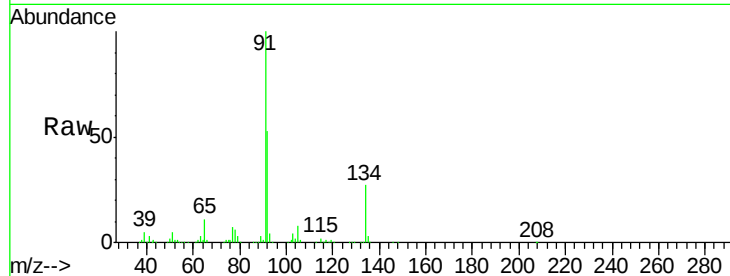
#89
n-Butylbenzene
Concen: 21.037 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Instrument :
MSVOA_N
ClientSampled :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.2	81.6
134	26.7	14.0	42.0

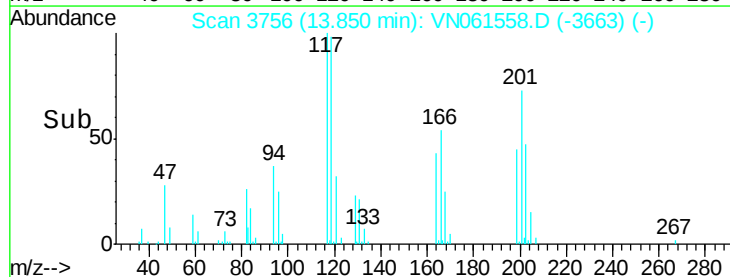
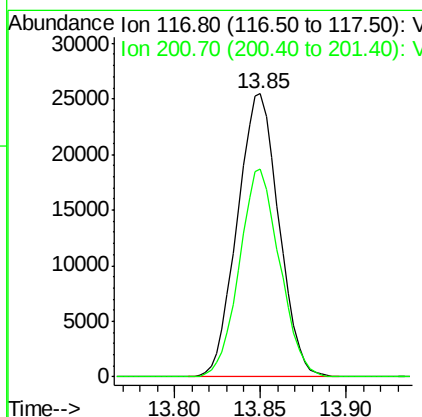
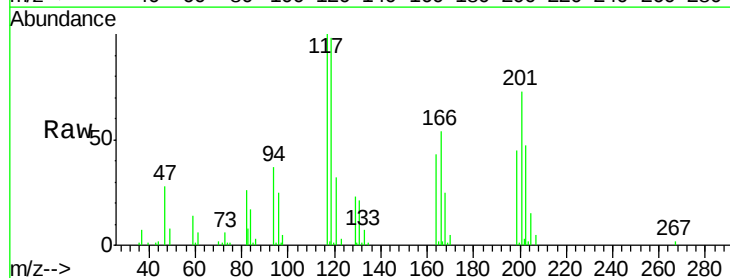
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#90
Hexachloroethane
Concen: 21.966 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061558.D
Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.3	36.7	110.1





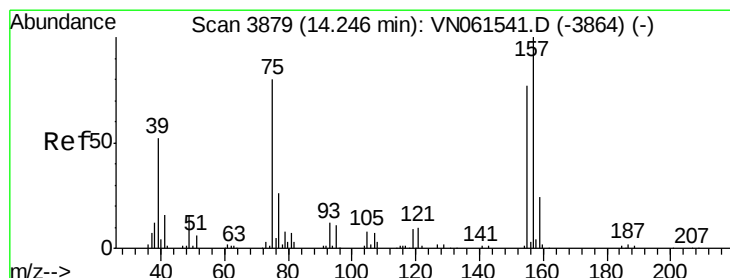
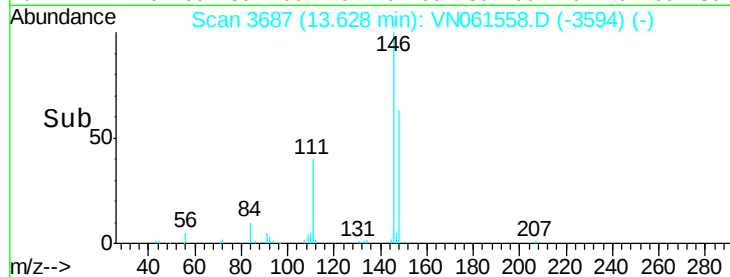
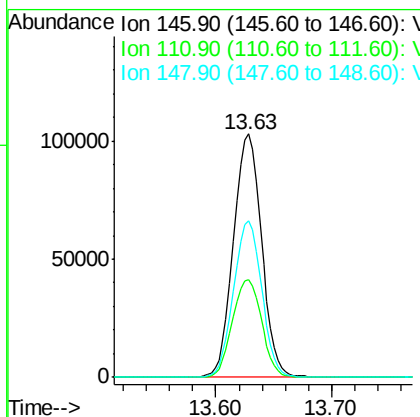
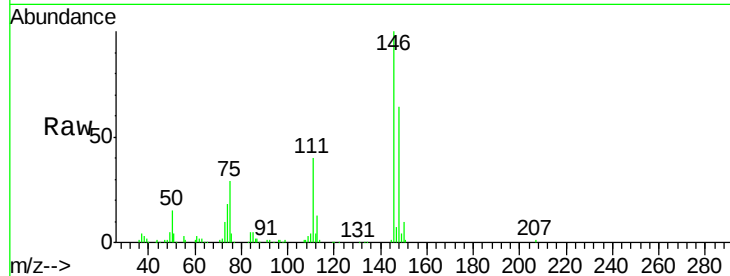
#91
 1,2-Dichlorobenzene
 Concen: 20.078 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0529WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	173623		
111	41.5		20.1	60.2
148	64.0		31.9	95.5

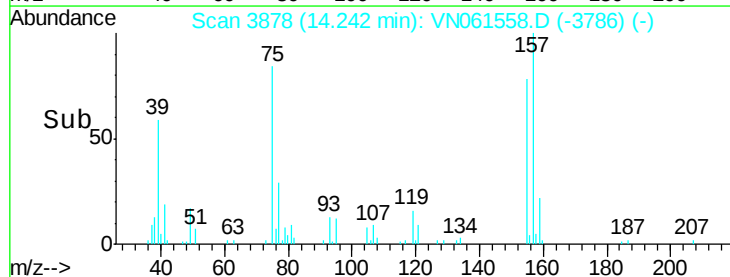
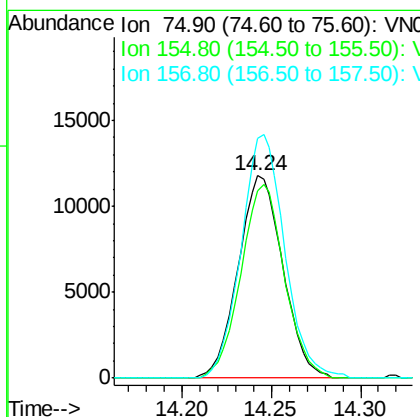
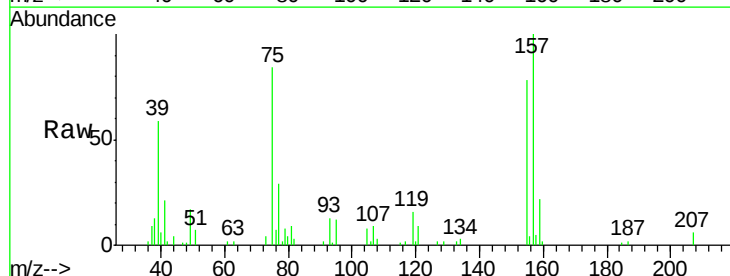
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.996 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20590		
155	93.4		47.1	141.4
157	117.7		60.3	180.8





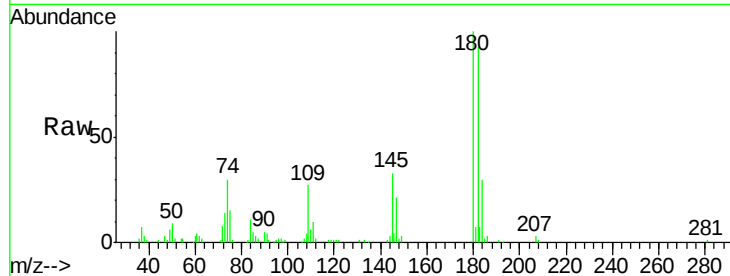
#93
 1,2,4-Trichlorobenzene
 Concen: 19.182 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

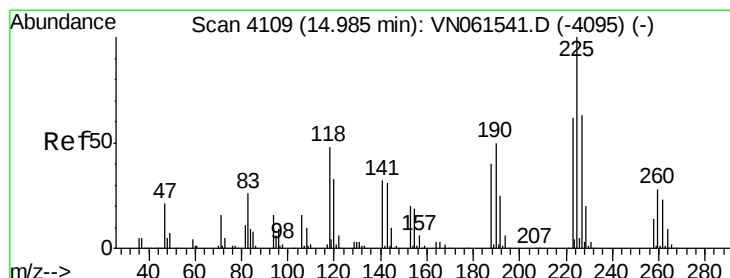
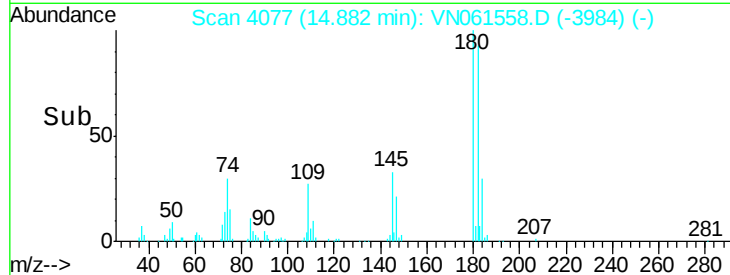
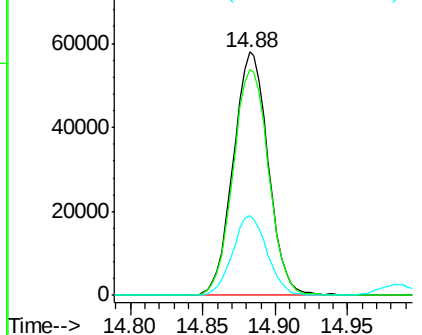
Tot Ion:180	Resp:	97012
Ion Ratio	Lower	Upper
180 100		
182 94.4	47.8	143.3
145 32.3	15.5	46.5

Manual Integrations
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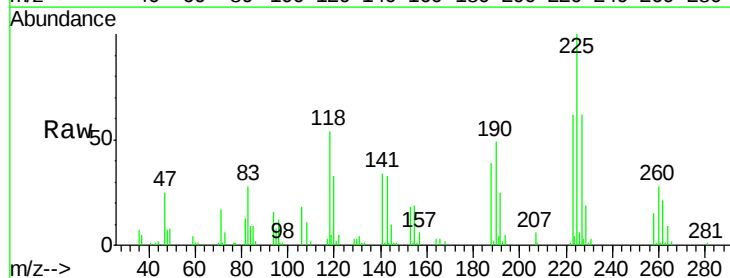


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

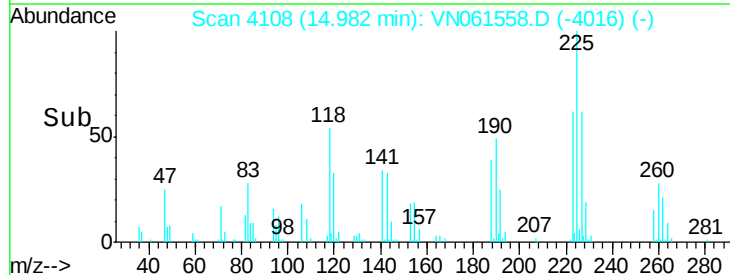
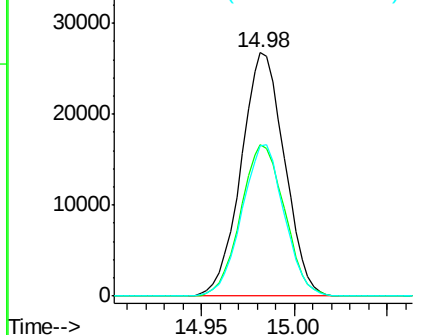


#94
 Hexachlorobutadiene
 Concen: 20.142 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061558.D
 Acq: 29 May 2020 11:35

Tgt Ion:225	Resp:	43445
Ion Ratio	Lower	Upper
225 100		
223 62.7	31.9	95.5
227 60.6	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.679 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Instrument :

MSVOA_N

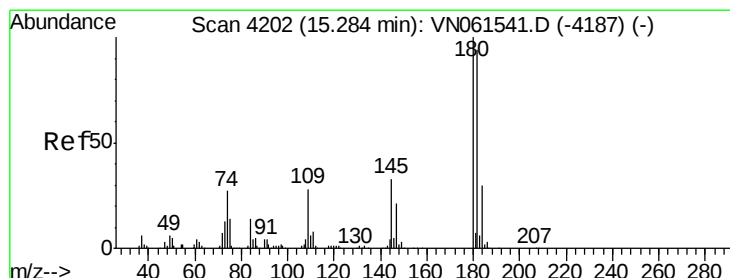
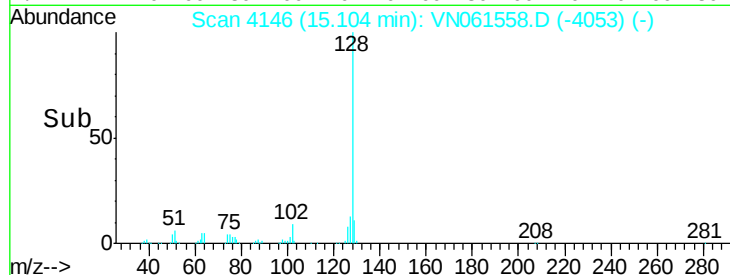
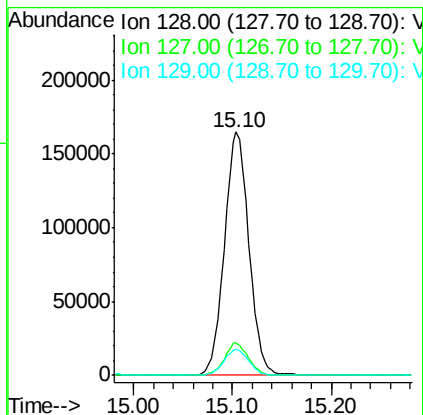
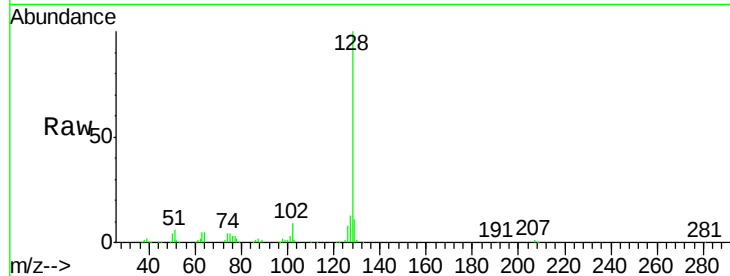
ClientSampleId :

VN0529WBS01

Tot Ion:	128	Resp:	287531
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.0	15.0
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.236 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061558.D

Acq: 29 May 2020 11:35

Tgt Ion:	180	Resp:	95650
Ion Ratio	Lower	Upper	
180	100		
182	91.7	47.1	141.3
145	33.9	16.3	48.9

