

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062698.D
 Acq On : 31 Jul 2020 20:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/3/2020 9:32:13 AM

Quant Time: Aug 01 07:23:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	159413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	256957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	246727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	121741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	124778	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
35) Dibromofluoromethane	7.55	113	83877	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.06	98	320262	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
62) 4-Bromofluorobenzene	12.38	95	125370	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	83673	44.004	ug/l	98
3) Chloromethane	2.03	50	93755	36.353	ug/l	98
4) Vinyl Chloride	2.16	62	86732	38.793	ug/l	99
5) Bromomethane	2.50	94	49504	49.991	ug/l	96
6) Chloroethane	2.65	64	51312	50.737	ug/l	95
7) Trichlorofluoromethane	2.97	101	141637	53.957	ug/l	97
8) Diethyl Ether	3.37	74	54727	44.583	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.71	101	80136	47.614	ug/l	99
10) Methyl Iodide	3.91	142	104990	48.794	ug/l	95
11) Tert butyl alcohol	4.74	59	91312	231.787	ug/l	99
12) 1,1-Dichloroethene	3.69	96	77166	45.208	ug/l	98
13) Acrolein	3.56	56	70088	173.279	ug/l	99
14) Allyl chloride	4.27	41	151009	40.899	ug/l	94
15) Acrylonitrile	4.93	53	248528	235.532	ug/l	100
16) Acetone	3.77	43	212775	228.326	ug/l	99
17) Carbon Disulfide	4.00	76	224391	40.010	ug/l	100
18) Methyl Acetate	4.28	43	122224	51.809	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	307169	48.893	ug/l	100
20) Methylene Chloride	4.50	84	96045	42.972	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	84509	44.609	ug/l	99
22) Diisopropyl ether	5.90	45	320706	43.698	ug/l	95
23) Vinyl Acetate	5.84	43	1348213	224.196	ug/l	98
24) 1,1-Dichloroethane	5.79	63	179237	45.352	ug/l	99
25) 2-Butanone	6.79	43	326567	230.100	ug/l	96
26) 2,2-Dichloropropane	6.77	77	137428	42.360	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	98700	45.657	ug/l	98
28) Bromochloromethane	7.15	49	80496	41.387	ug/l	91
29) Tetrahydrofuran	7.17	42	219570	228.638	ug/l	95
30) Chloroform	7.33	83	182639	48.604	ug/l	97
31) Cyclohexane	7.61	56	149660	41.015	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	163425	52.092	ug/l	99
36) 1,1-Dichloropropene	7.75	75	132107	48.234	ug/l	100
37) Ethyl Acetate	6.88	43	139419	47.223	ug/l	98
38) Carbon Tetrachloride	7.73	117	146795	55.759	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	141101	47.858	ug/l	98
40) Benzene	8.00	78	386689	46.635	ug/l	99
41) Methacrylonitrile	7.13	41	61665m	48.734	ug/l	
42) 1,2-Dichloroethane	8.09	62	158024	52.128	ug/l	99
43) Isopropyl Acetate	8.13	43	232553	48.861	ug/l #	90
44) Trichloroethene	8.80	130	90347	48.316	ug/l	99
45) 1,2-Dichloropropane	9.08	63	106293	45.656	ug/l	99
46) Dibromomethane	9.17	93	66434	49.372	ug/l	99
47) Bromodichloromethane	9.37	83	150744	51.710	ug/l	98
48) Methyl methacrylate	9.17	41	112697	49.811	ug/l	97
49) 1,4-Dioxane	9.17	88	35420	1019.308	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	714831	251.015	ug/l	98
52) Toluene	10.12	92	235921	48.999	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	163831	50.484	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	167881	48.211	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	94154	50.414	ug/l	98
56) Ethyl methacrylate	10.40	69	157330	47.024	ug/l	97
57) 1,3-Dichloropropane	10.68	76	170186	49.740	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	257265	254.252	ug/l	97
59) 2-Hexanone	10.72	43	536365	243.616	ug/l	100
60) Dibromochloromethane	10.87	129	111312	53.426	ug/l	97
61) 1,2-Dibromoethane	10.98	107	96815	49.783	ug/l	99
64) Tetrachloroethene	10.60	164	76127	47.489	ug/l	97
65) Chlorobenzene	11.41	112	248108	47.967	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	98893	50.822	ug/l	98
67) Ethyl Benzene	11.48	91	464711	49.000	ug/l	100
68) m/p-Xylenes	11.60	106	338814	99.396	ug/l	96
69) o-Xylene	11.92	106	164523	50.827	ug/l	99
70) Styrene	11.94	104	285815	52.271	ug/l	98
71) Bromoform	12.10	173	77594	53.110	ug/l #	97
73) Isopropylbenzene	12.22	105	455832	47.353	ug/l	99
74) N-amyl acetate	12.05	43	206251	47.977	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	144157	43.095	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	147460m	47.587	ug/l	
77) Bromobenzene	12.50	156	104832	45.316	ug/l	97
78) n-propylbenzene	12.57	91	528841	46.901	ug/l	99
79) 2-Chlorotoluene	12.65	91	322106	46.353	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	399857	50.077	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	51188	45.985	ug/l	95
82) 4-Chlorotoluene	12.75	91	338130	46.748	ug/l	100
83) tert-Butylbenzene	12.97	119	332540	50.154	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	398471	50.870	ug/l	98
85) sec-Butylbenzene	13.15	105	441604	49.749	ug/l	100
86) p-Isopropyltoluene	13.26	119	396911	51.988	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	190501	46.926	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	189369	47.386	ug/l	99
89) n-Butylbenzene	13.59	91	321619	49.028	ug/l	99
90) Hexachloroethane	13.85	117	77294	47.558	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	187469	48.295	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	32869	54.120	ug/l	95

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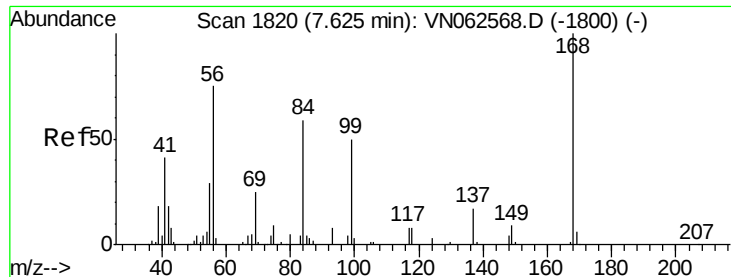
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	89307	44.144	ug/l	98
94) Hexachlorobutadiene	14.99	225	60000	57.199	ug/l	99
95) Naphthalene	15.10	128	235793	44.038	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	92566	50.601	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 159413

Ion Ratio Lower Upper

168 100

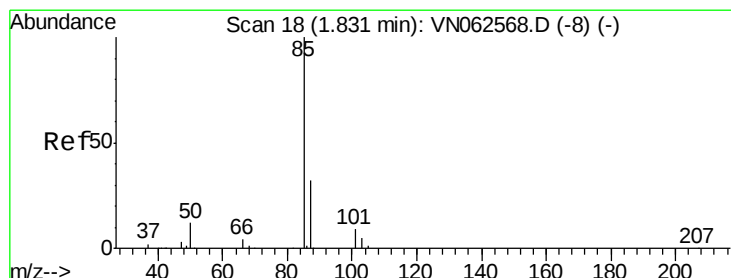
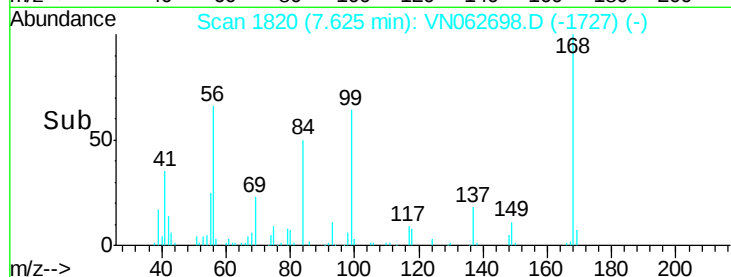
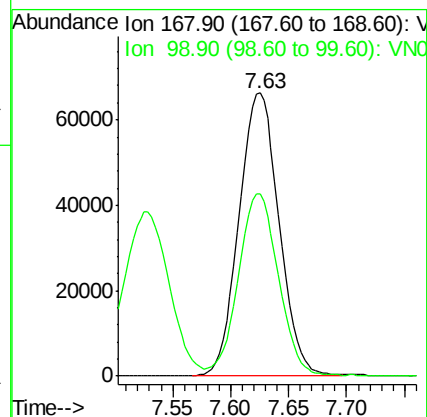
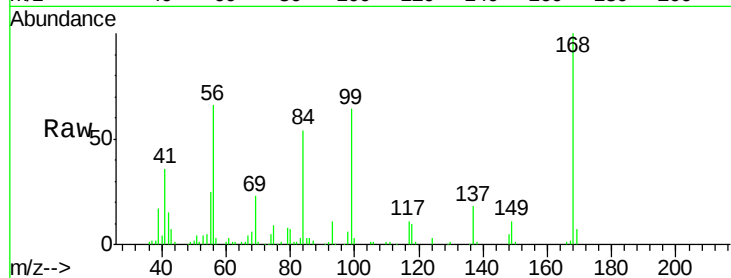
99 64.1 48.4 72.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 44.004 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062698.D

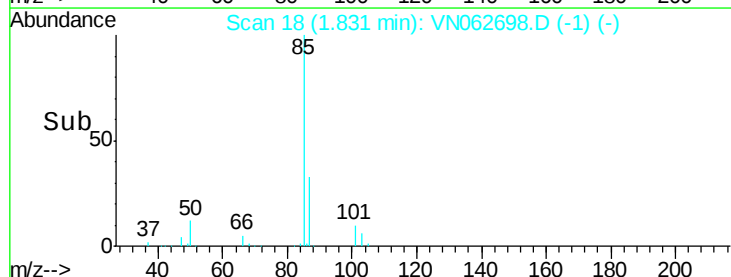
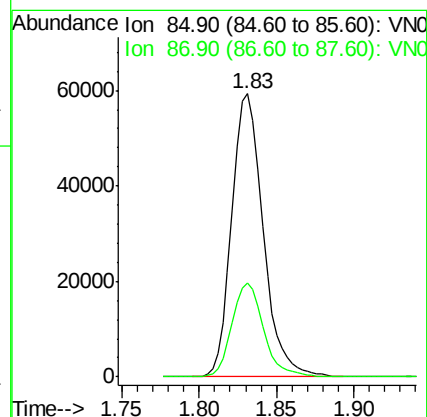
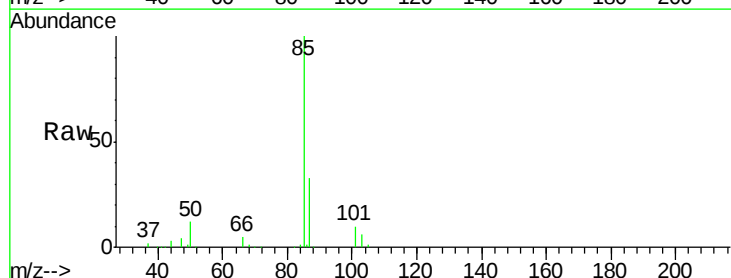
Acq: 31 Jul 2020 20:20

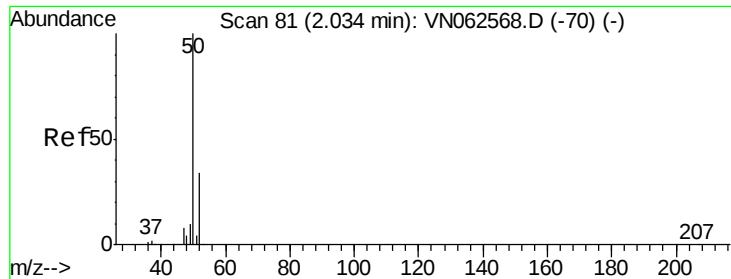
Tgt Ion: 85 Resp: 83673

Ion Ratio Lower Upper

85 100

87 33.1 16.0 48.0





#3

Chloromethane

Concen: 36.353 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 93755

Ion Ratio Lower Upper

50 100

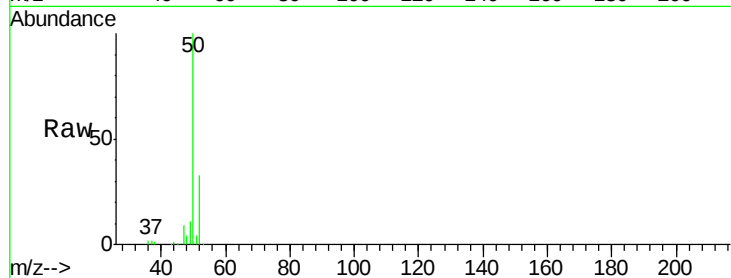
52 32.6 27.0 40.4

Manual Integrations

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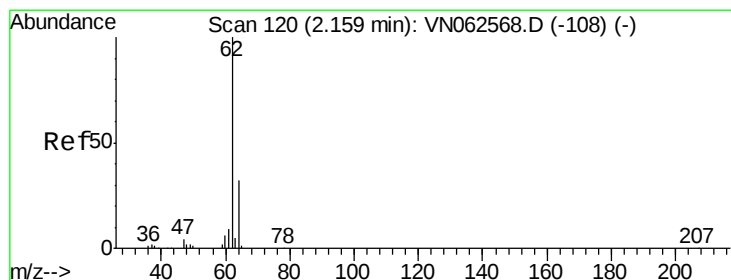
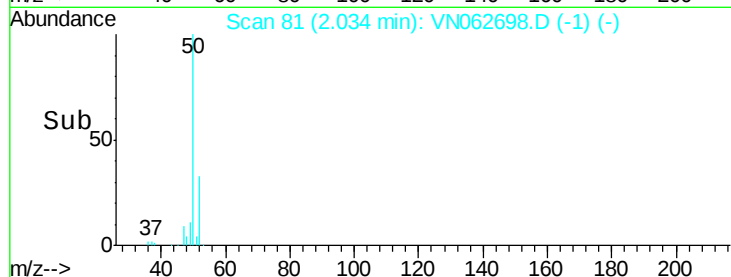
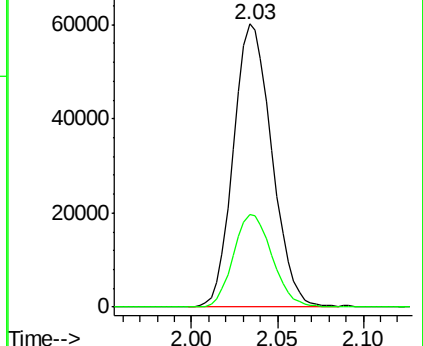
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 38.793 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062698.D

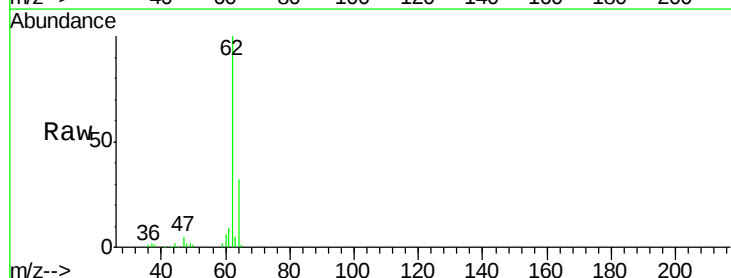
Acq: 31 Jul 2020 20:20

Tgt Ion: 62 Resp: 86732

Ion Ratio Lower Upper

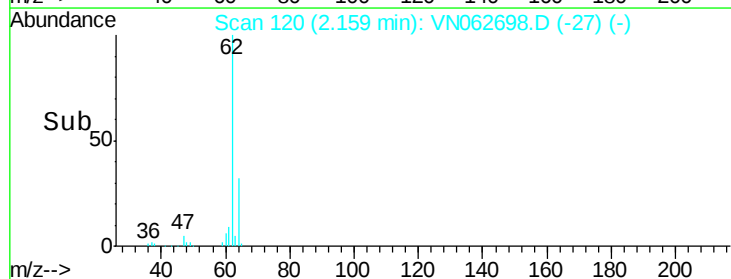
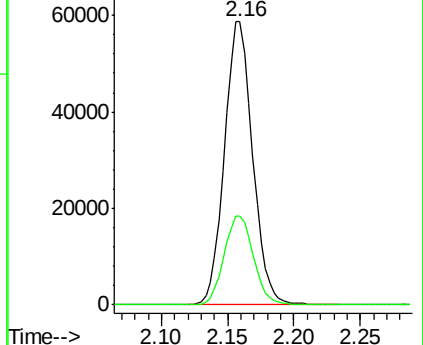
62 100

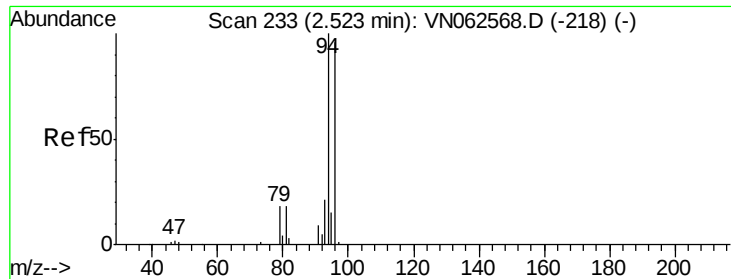
64 31.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 49.991 ug/l

RT: 2.50 min Scan# 227

Delta R.T. -0.02 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

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VSTDCCC050EC

Tot Ion: 94 Resp: 49504

Ion Ratio Lower Upper

94 100

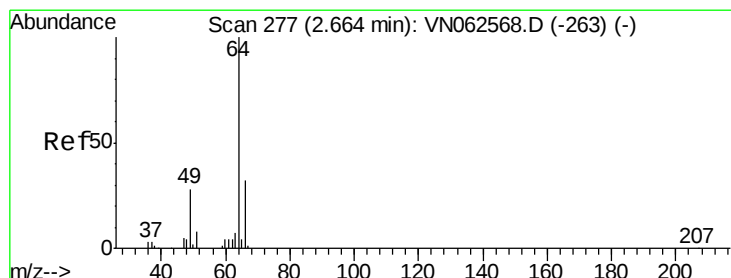
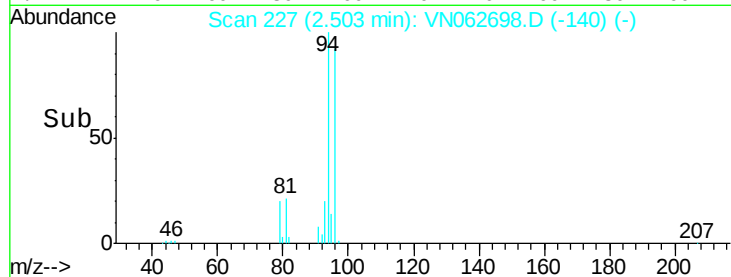
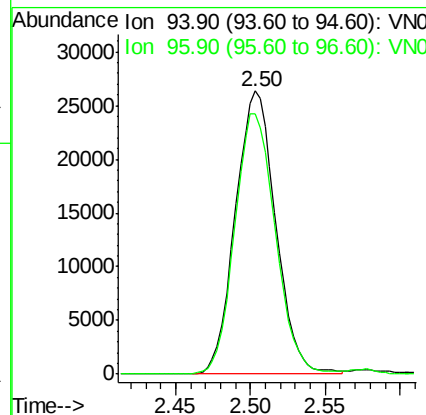
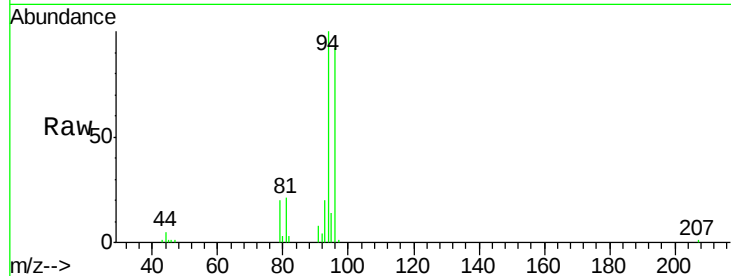
96 92.2 76.6 114.8

Manual Integrations

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8/3/2020 9:32:13 AM



#6

Chloroethane

Concen: 50.737 ug/l

RT: 2.65 min Scan# 273

Delta R.T. -0.01 min

Lab File: VN062698.D

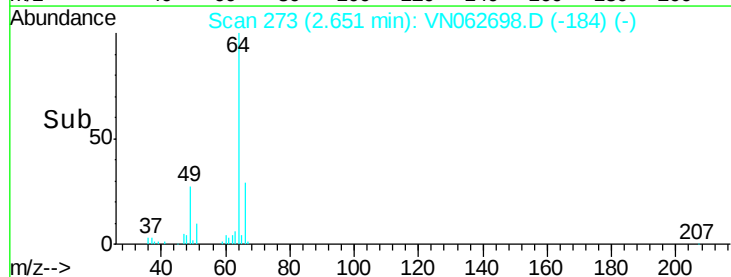
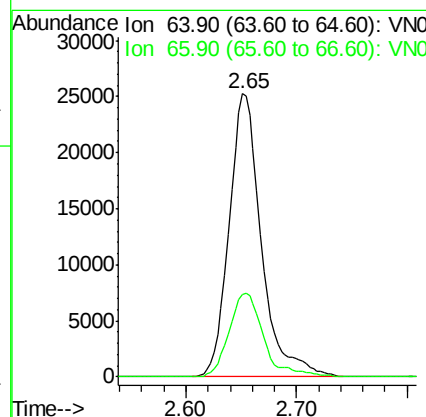
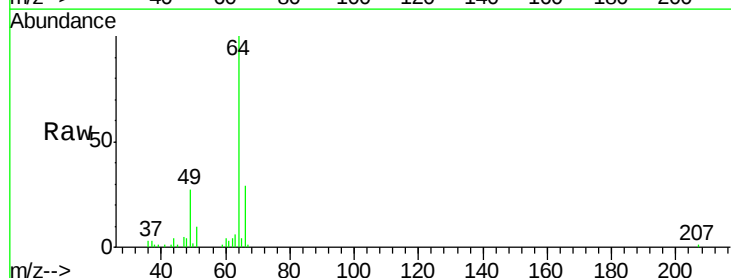
Acq: 31 Jul 2020 20:20

Tgt Ion: 64 Resp: 51312

Ion Ratio Lower Upper

64 100

66 29.3 25.8 38.8





#7

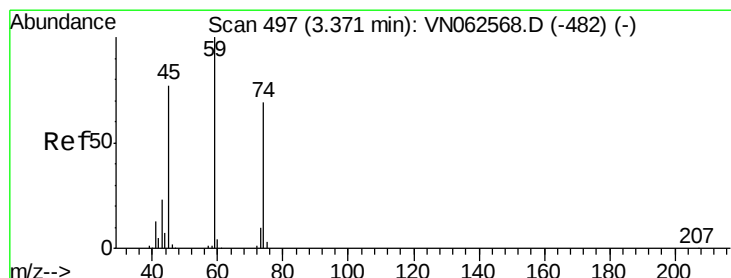
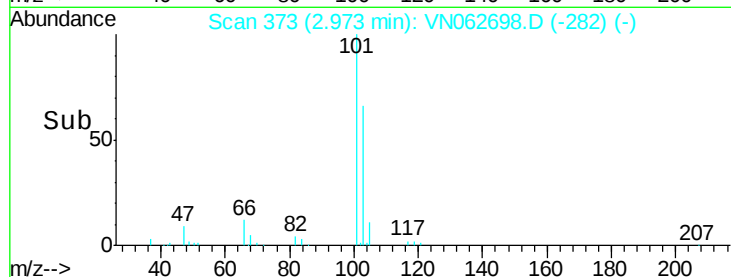
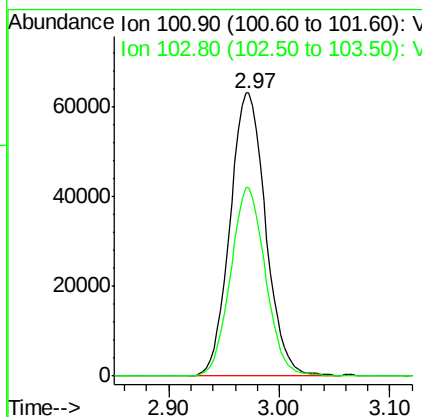
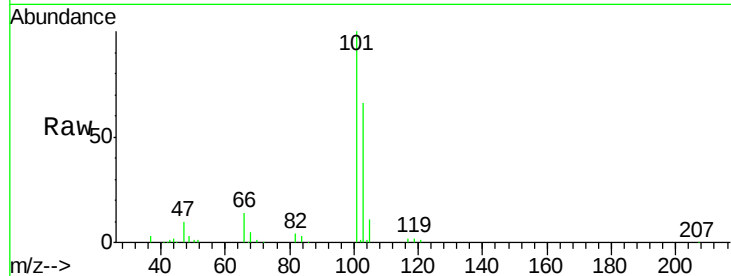
Trichlorofluoromethane
 Concen: 53.957 ug/l
 RT: 2.97 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.5	77.3

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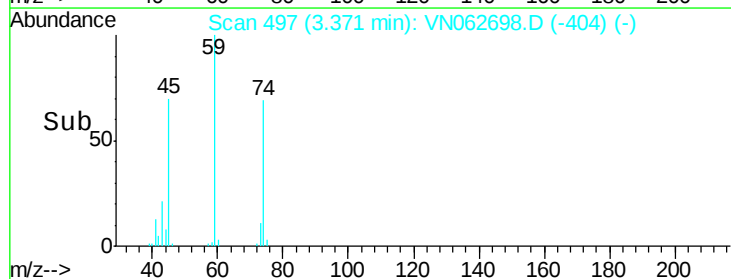
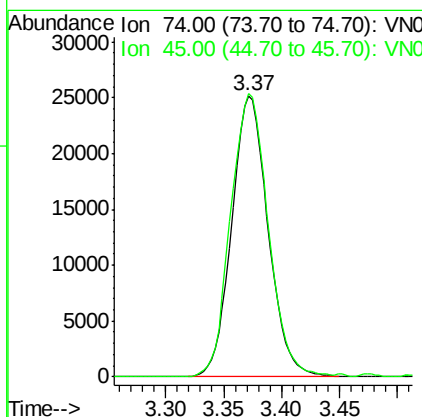
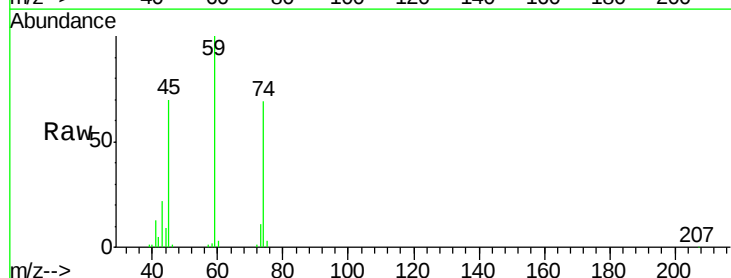
MMDadoda
 8/3/2020 9:32:13 AM

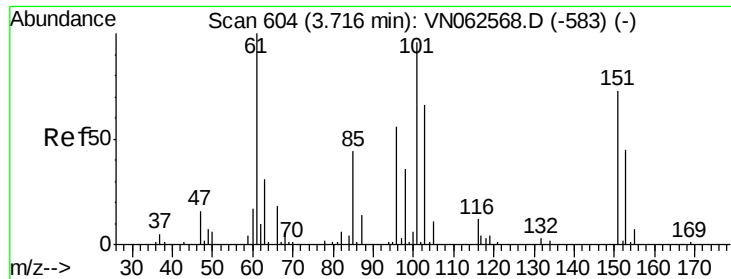


#8

Diethyl Ether
 Concen: 44.583 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	55.3	165.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.614 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

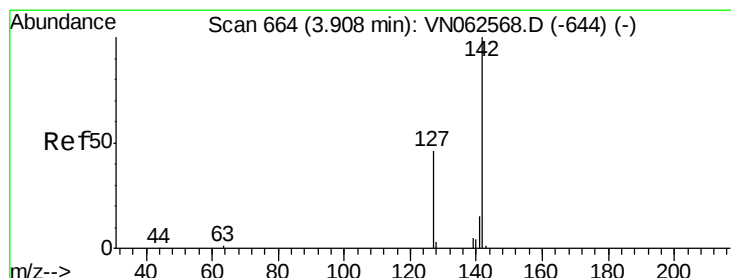
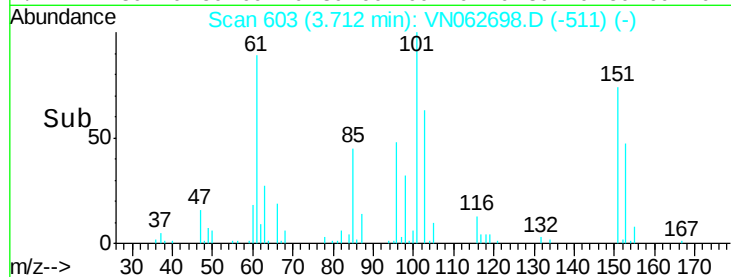
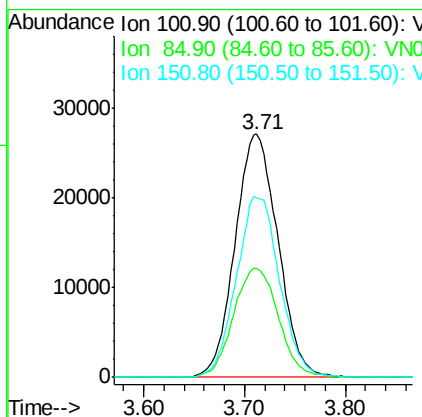
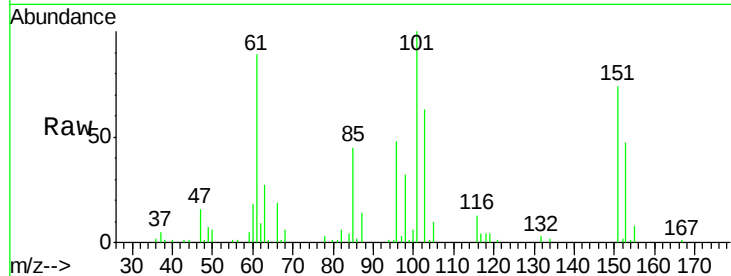
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	80136
Ion Ratio	Lower	Upper	
101	100		
85	46.9	36.0	54.0
151	75.1	60.0	90.0

Manual Integrations
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#10

Methyl Iodide

Concen: 48.794 ug/l

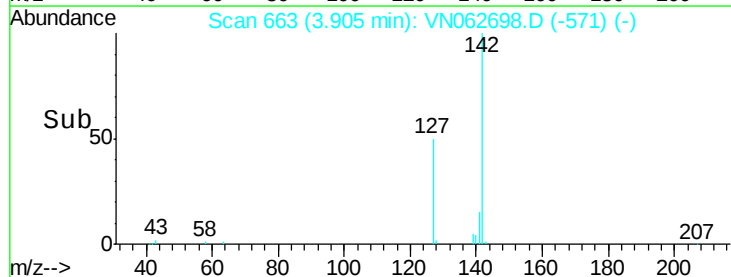
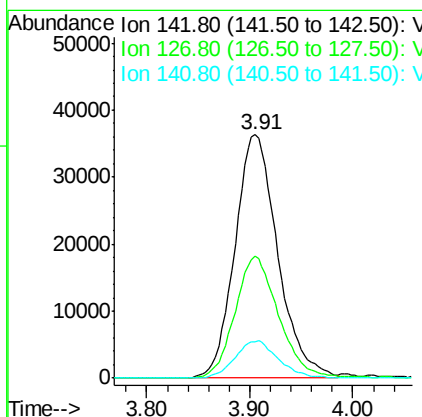
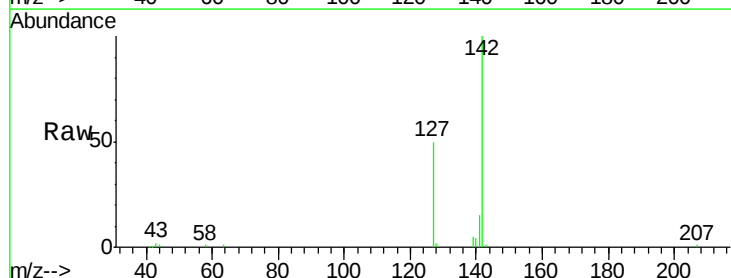
RT: 3.91 min Scan# 663

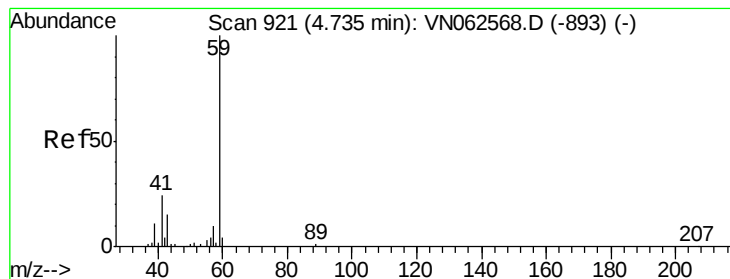
Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Tgt Ion:	142	Resp:	104990
Ion Ratio	Lower	Upper	
142	100		
127	51.0	37.4	56.0
141	15.4	11.9	17.9





#11

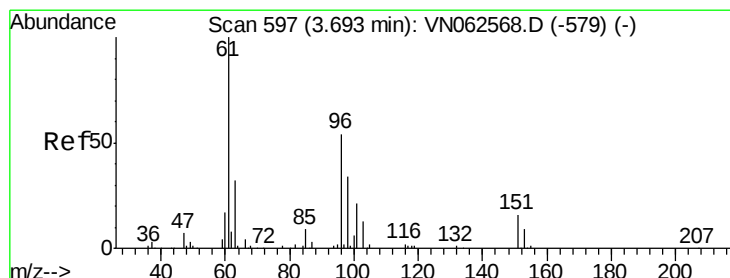
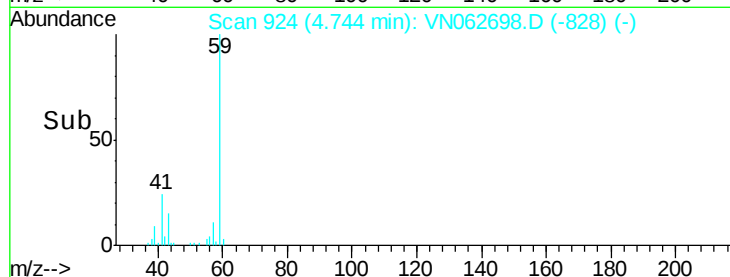
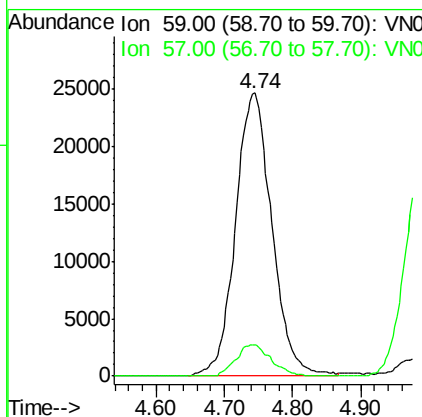
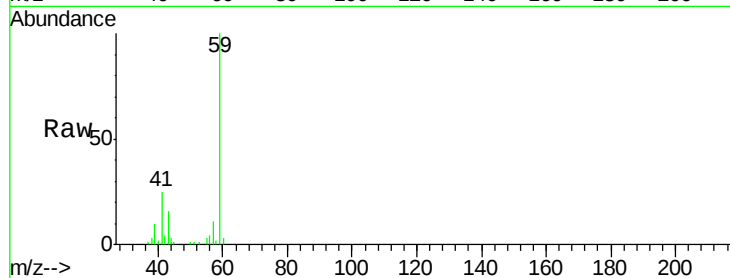
Tert butyl alcohol
Concen: 231.787 ug/l
RT: 4.74 min Scan# 924
Delta R.T. 0.01 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2

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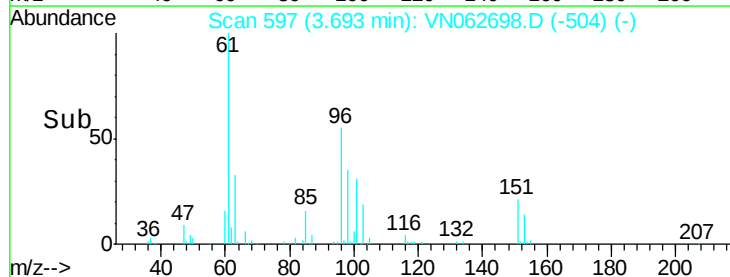
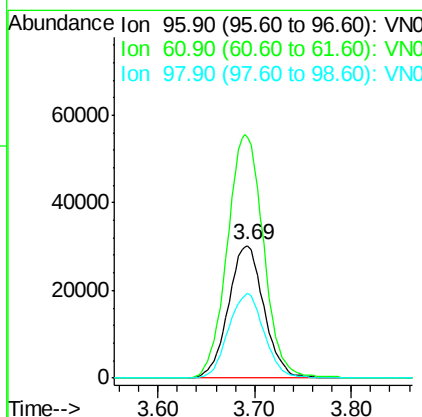
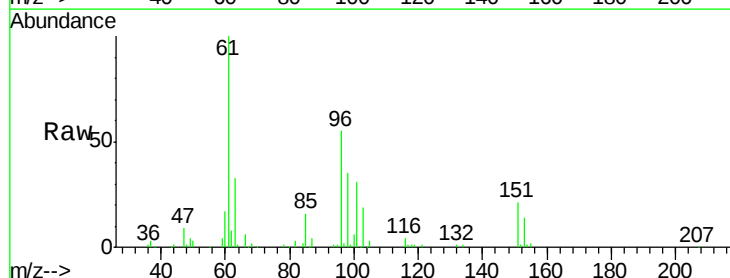
MMDadoda
8/3/2020 9:32:13 AM

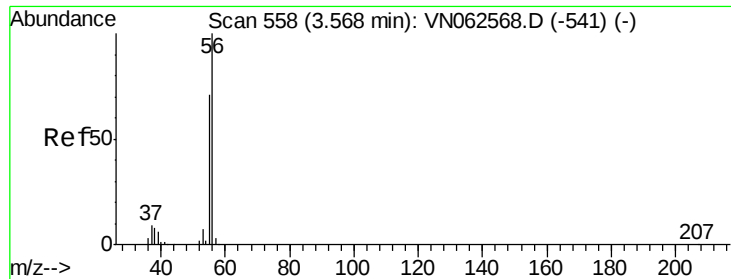


#12

1,1-Dichloroethene
Concen: 45.208 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.5	148.6	222.8
98	64.1	50.6	75.8





#13

Acrolein

Concen: 173.279 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 70088

Ion Ratio Lower Upper

56 100

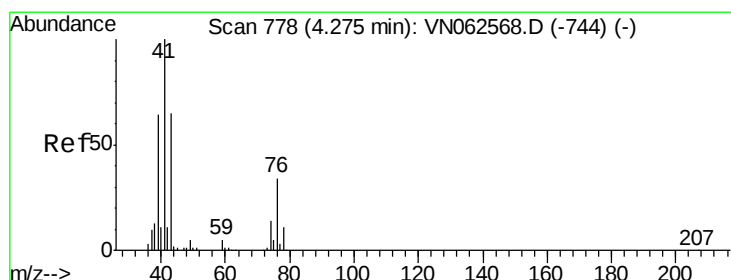
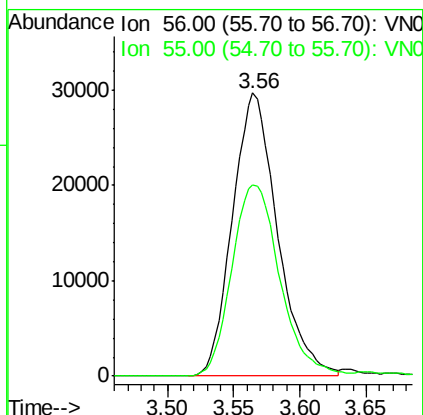
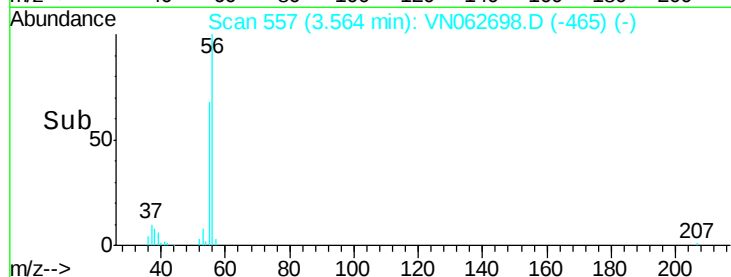
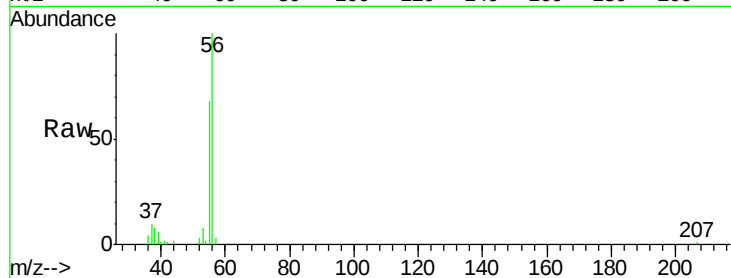
55 72.2 57.0 85.4

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 40.899 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

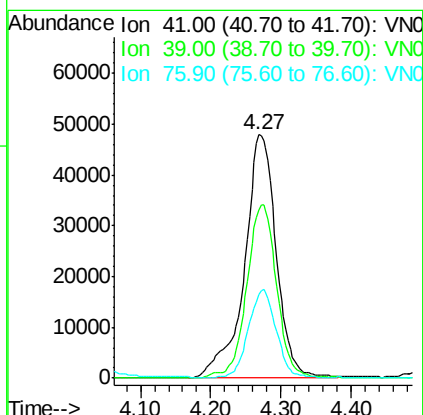
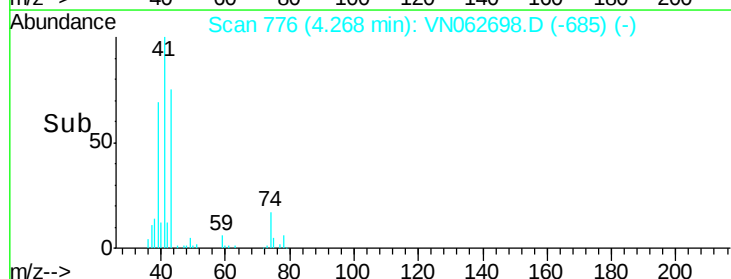
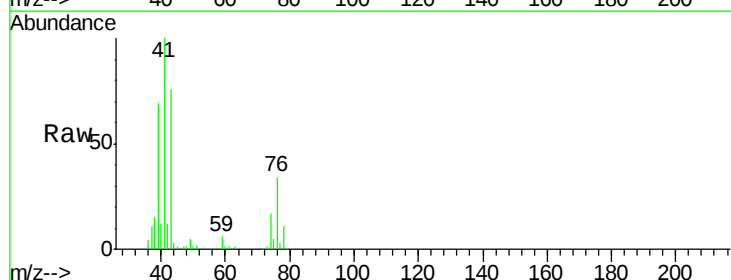
Tgt Ion: 41 Resp: 151009

Ion Ratio Lower Upper

41 100

39 66.8 49.0 73.4

76 31.9 24.0 36.0





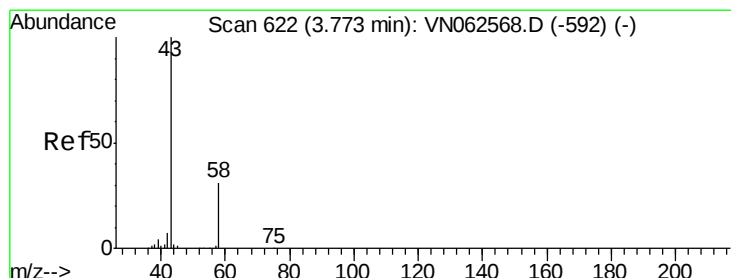
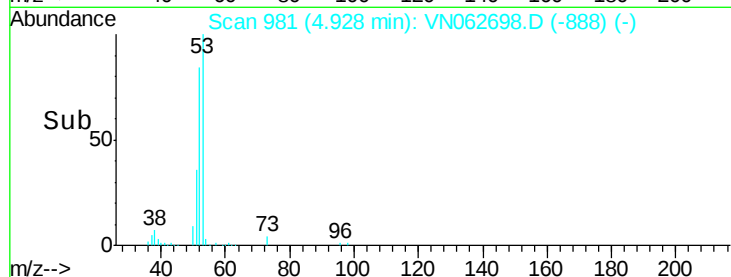
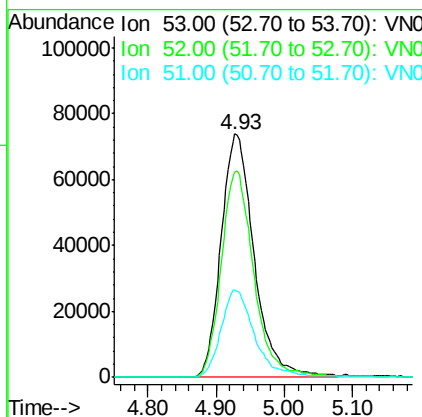
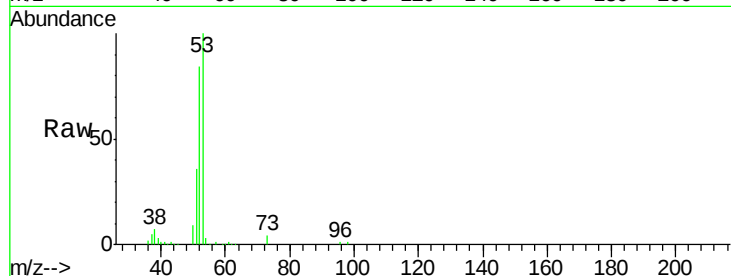
#15
 Acrylonitrile
 Concen: 235.532 ug/l
 RT: 4.93 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion:	53	Resp:	248528
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.3	99.5
51	36.5	28.6	43.0

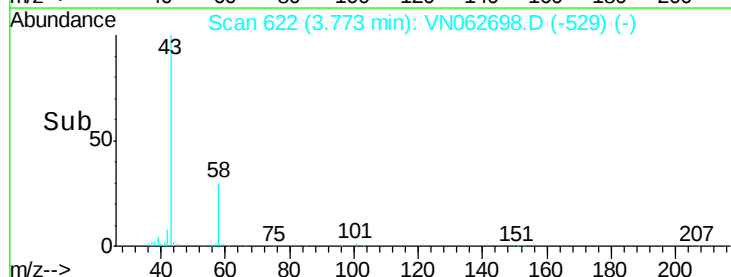
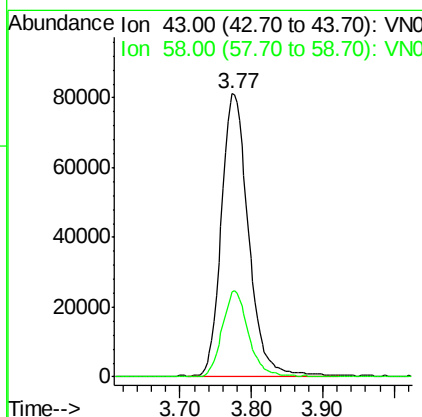
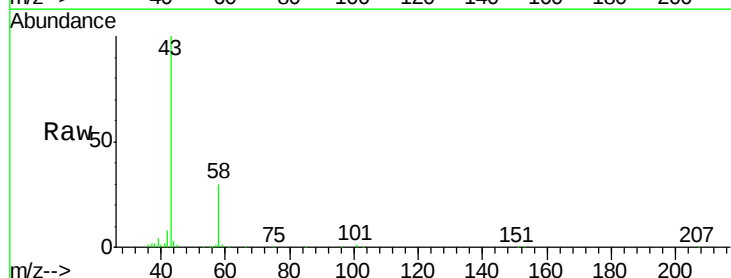
Manual Integrations
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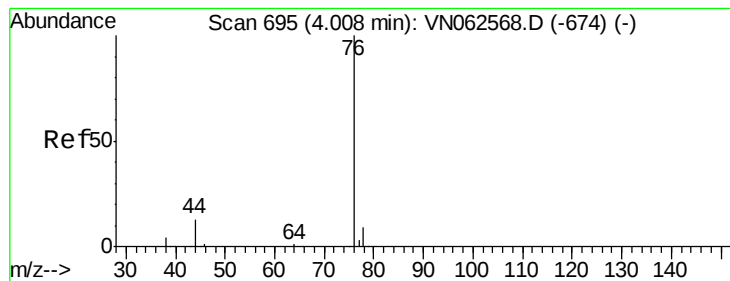
MMDadoda
 8/3/2020 9:32:13 AM



#16
 Acetone
 Concen: 228.326 ug/l
 RT: 3.77 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Tgt Ion:	43	Resp:	212775
Ion Ratio	Lower	Upper	
43	100		
58	30.3	24.6	37.0





#17

Carbon Disulfide

Concen: 40.010 ug/l

RT: 4.00 min Scan# 693

Delta R.T. -0.01 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 224391

Ion Ratio Lower Upper

76 100

78 9.2

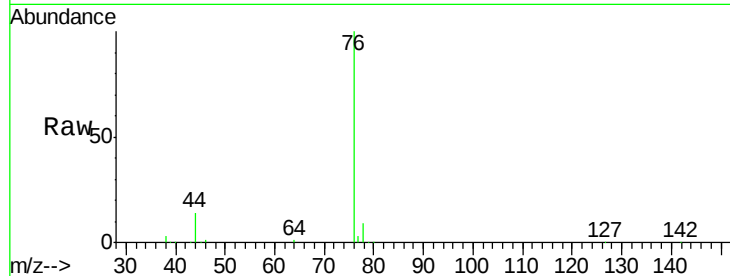
7.3 10.9

Manual Integrations

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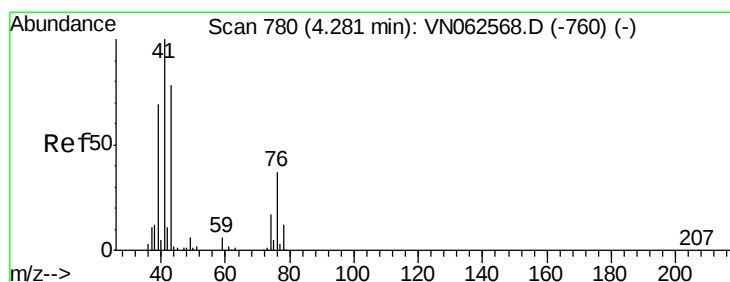
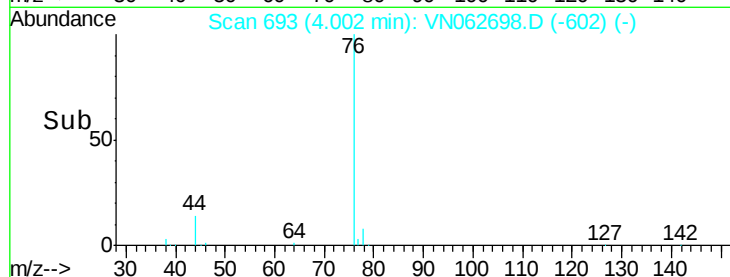
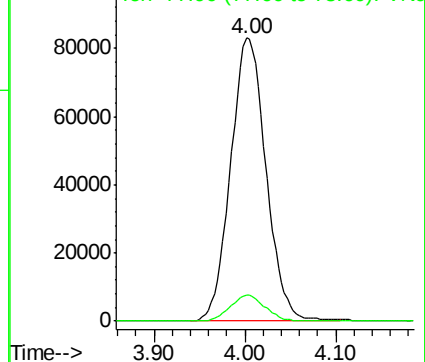
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 51.809 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

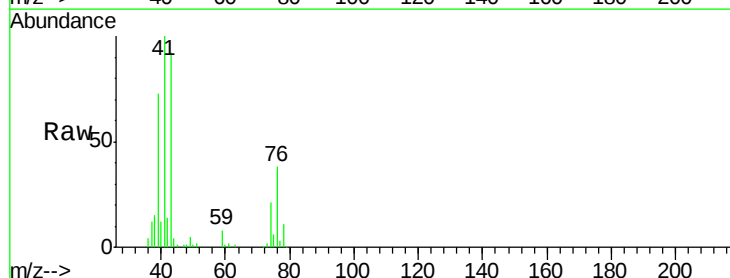
Tgt Ion: 43 Resp: 122224

Ion Ratio Lower Upper

43 100

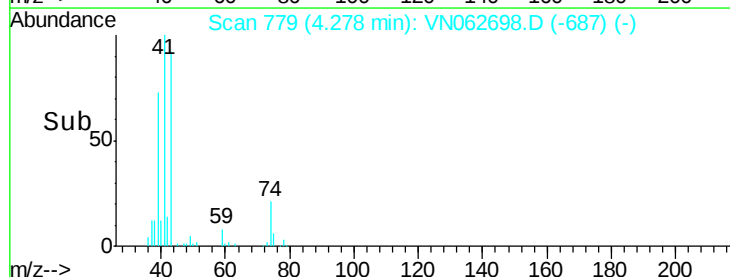
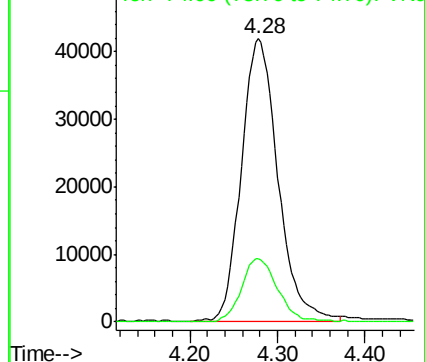
74 22.0

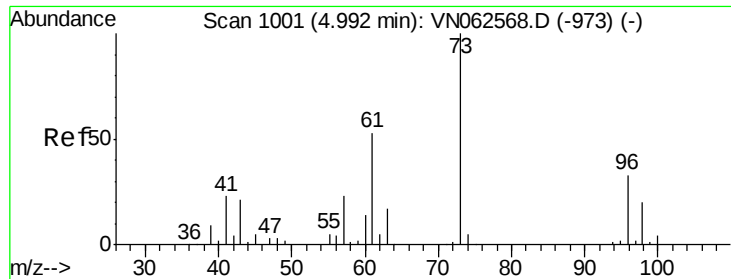
16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





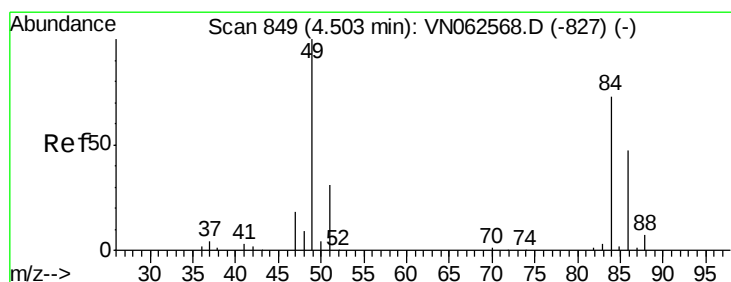
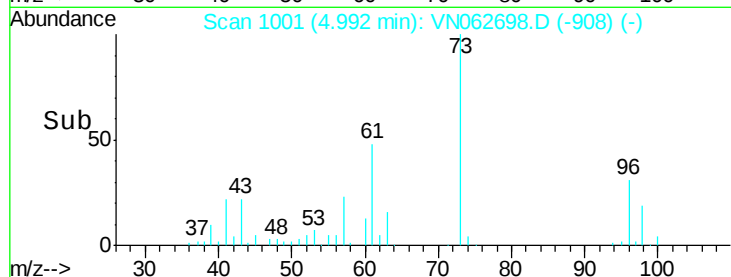
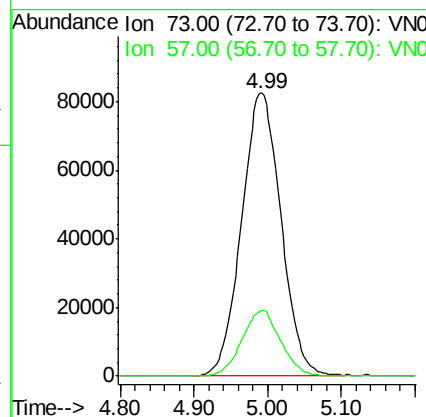
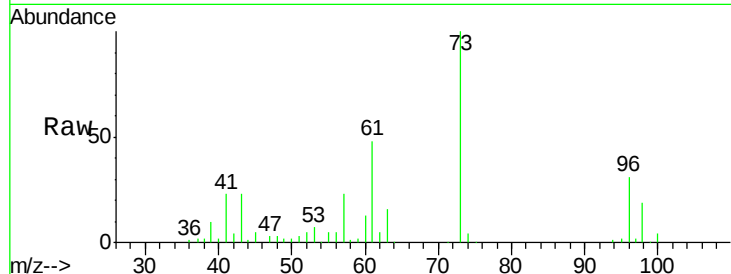
#19
Methyl tert-butyl Ether
Concen: 48.893 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 307169
Ion Ratio Lower Upper
73 100
57 23.2 18.6 27.8

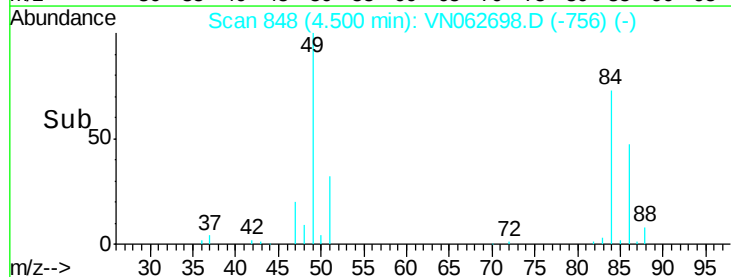
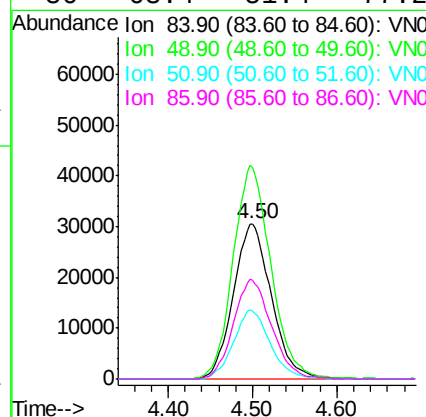
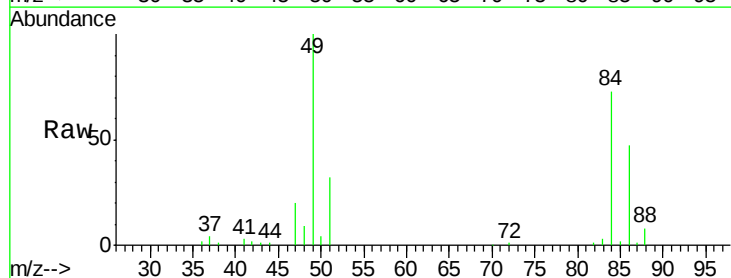
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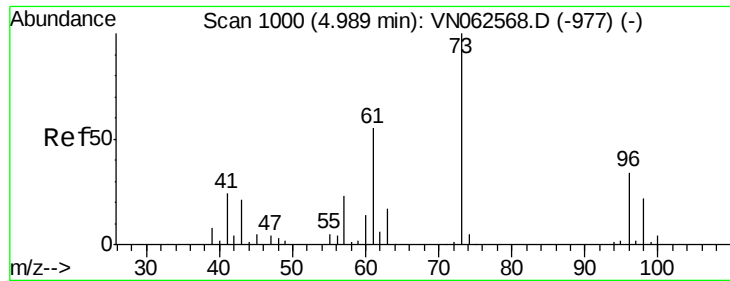
MMDadoda
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#20
Methylene Chloride
Concen: 42.972 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion: 84 Resp: 96045
Ion Ratio Lower Upper
84 100
49 136.1 109.4 164.0
51 43.8 33.6 50.4
86 63.4 51.4 77.2





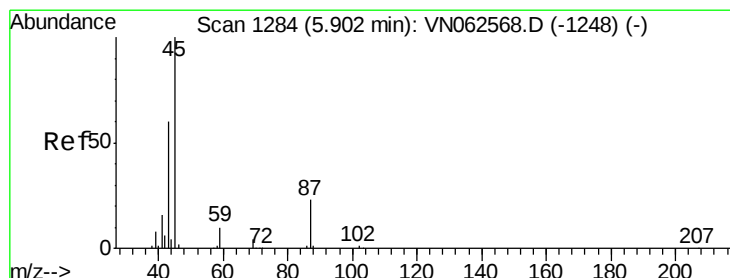
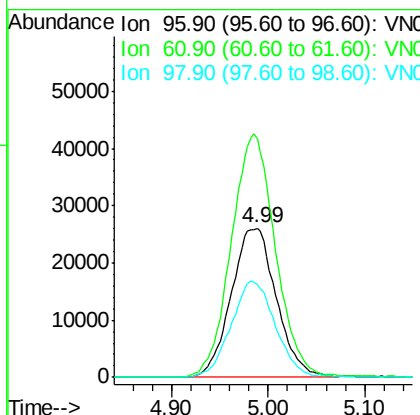
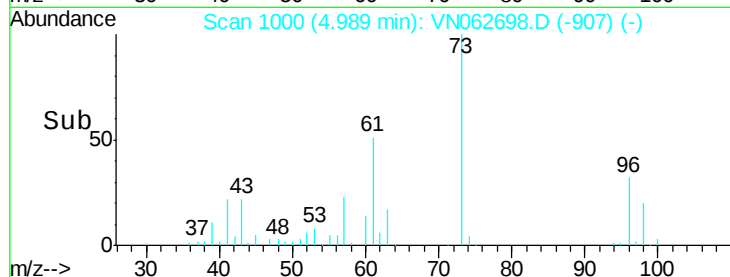
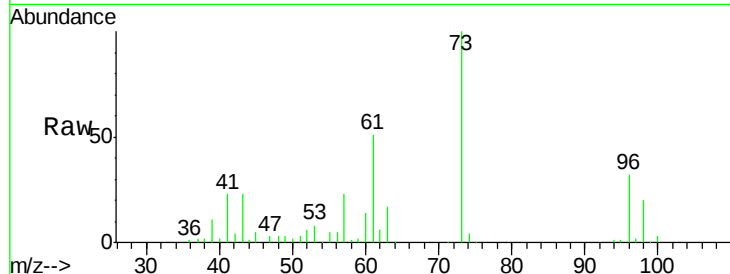
#21
trans-1,2-Dichloroethene
Concen: 44.609 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	96	Resp	84509
Ion	Ratio	Lower	Upper
96	100		
61	159.2	128.6	192.8
98	62.0	50.6	76.0

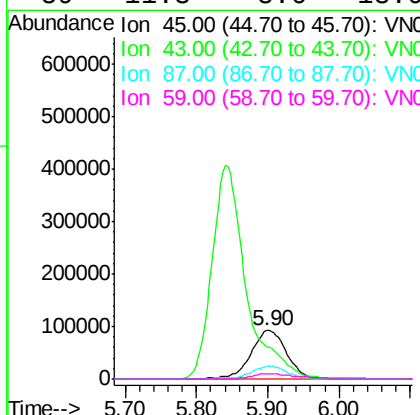
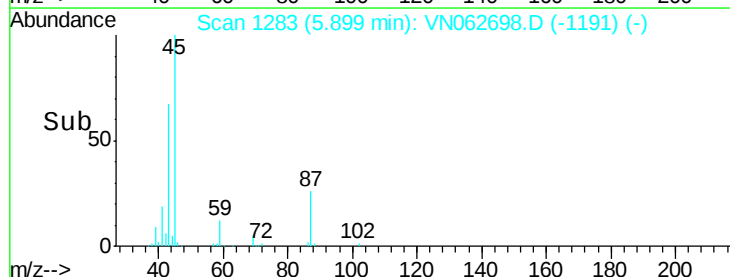
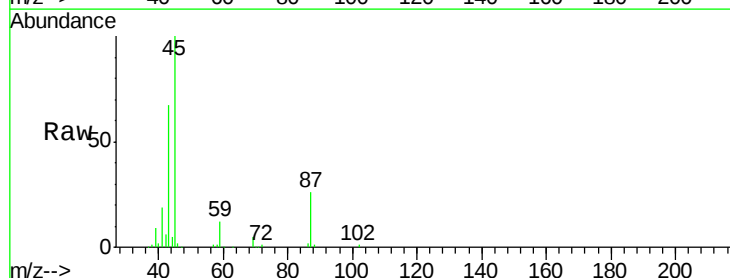
Manual Integrations
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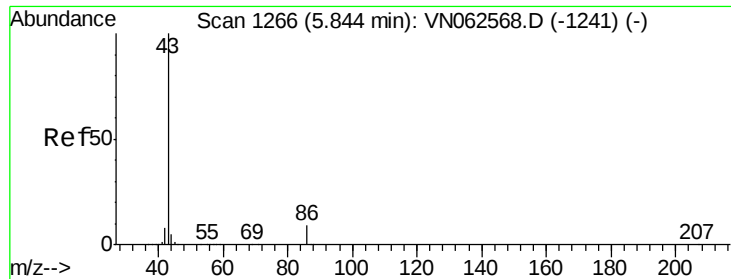
MMDadoda
8/3/2020 9:32:13 AM



#22
Diisopropyl ether
Concen: 43.698 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion	45	Resp	320706
Ion	Ratio	Lower	Upper
45	100		
43	65.5	48.7	73.1
87	25.7	19.0	28.6
59	11.3	8.6	13.0





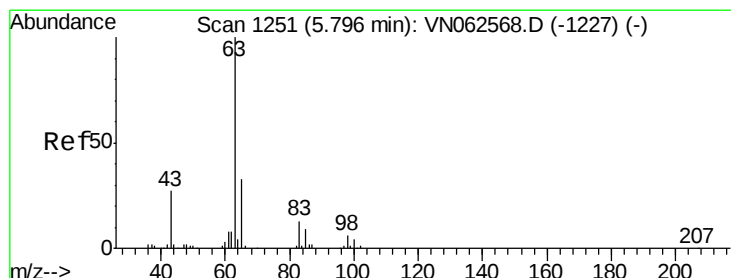
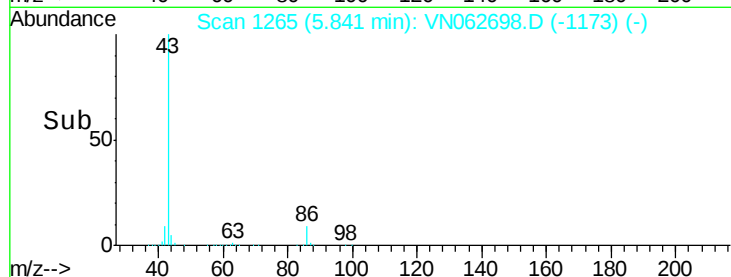
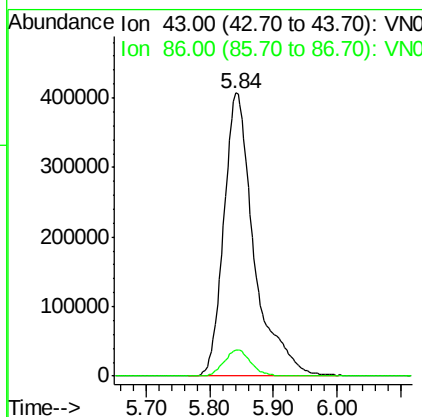
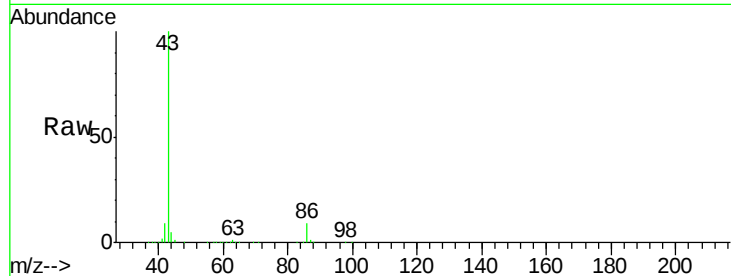
#23
 Vinyl Acetate
 Concen: 224.196 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1348213
 Ion Ratio Lower Upper
 43 100
 86 9.2 6.9 10.3

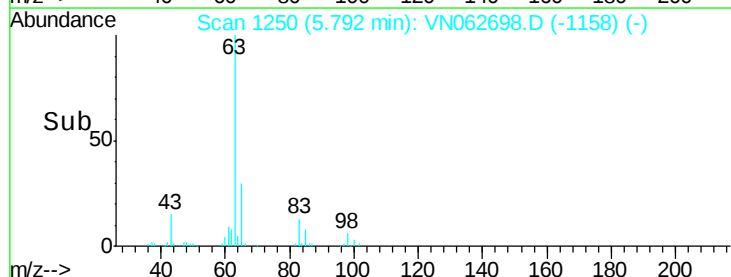
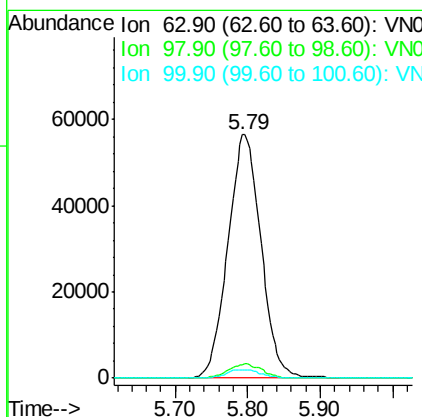
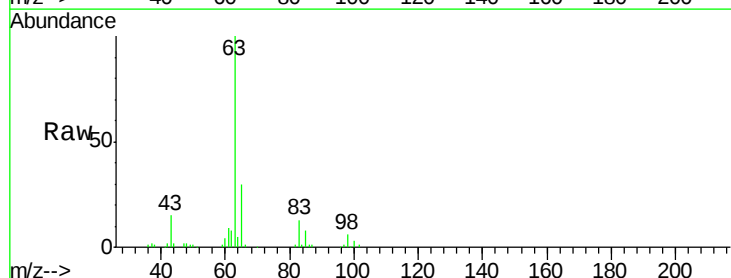
Manual Integrations
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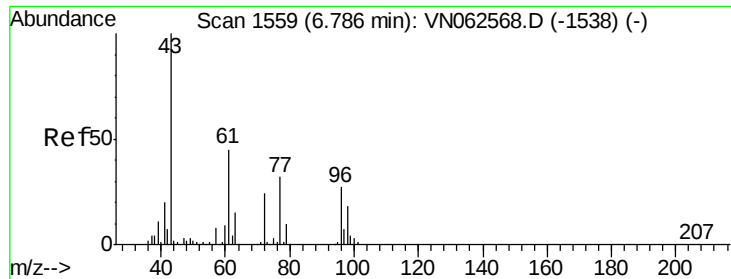
MMDadoda
 8/3/2020 9:32:13 AM



#24
 1,1-Dichloroethane
 Concen: 45.352 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Tgt Ion: 63 Resp: 179237
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.9 8.8
 100 3.3 1.8 5.4





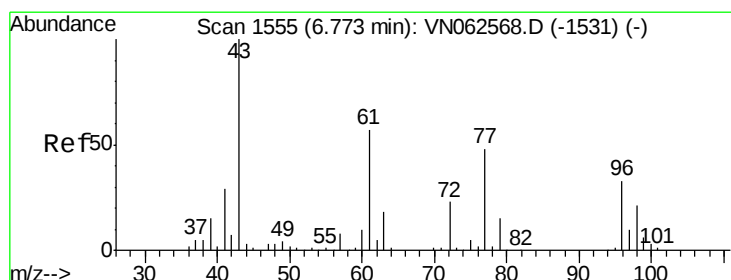
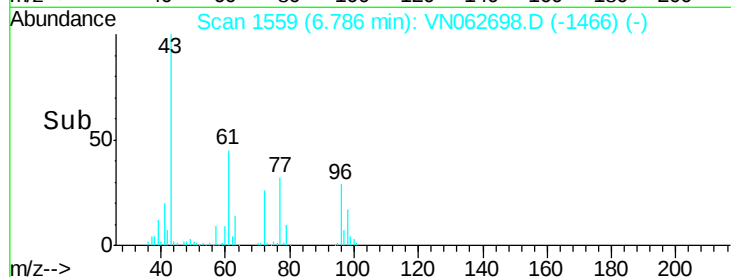
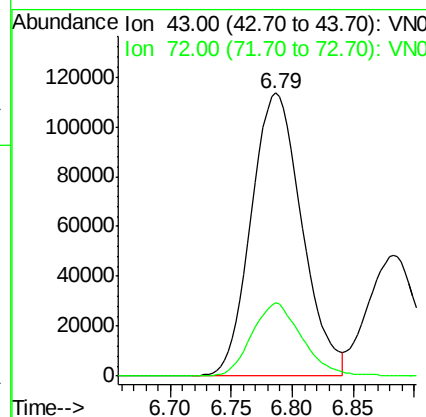
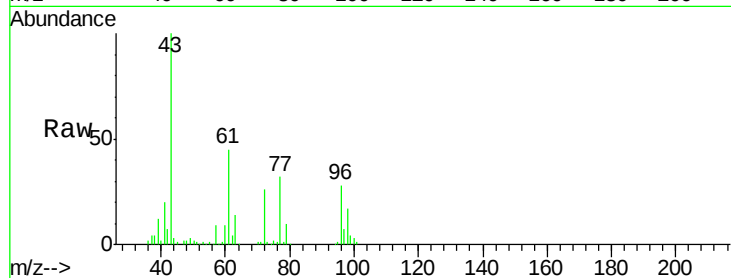
#25
2-Butanone
Concen: 230.100 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 326567
Ion Ratio Lower Upper
43 100
72 25.9 19.0 28.6

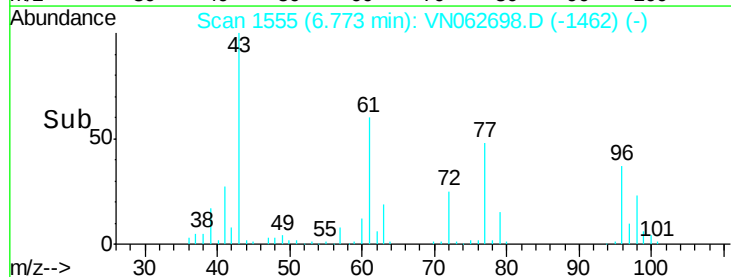
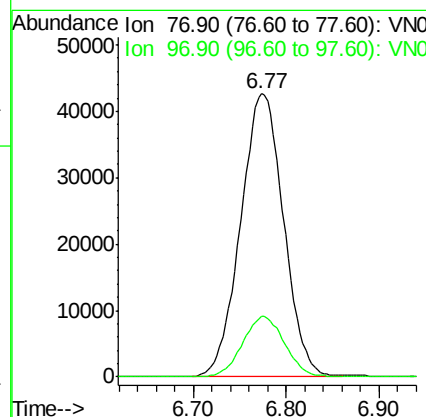
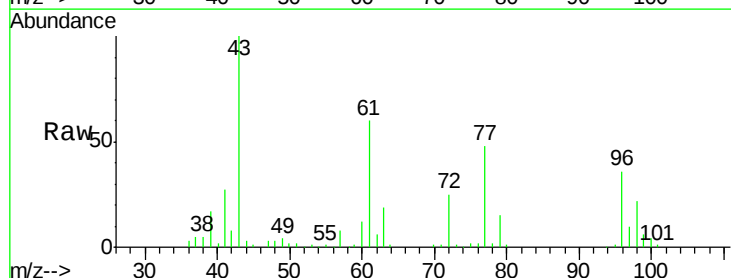
Manual Integrations
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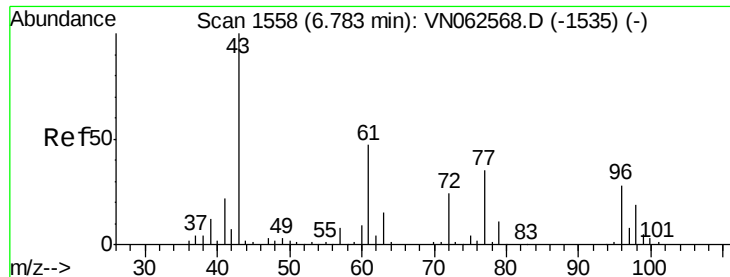
MMDadoda
8/3/2020 9:32:13 AM



#26
2,2-Dichloropropane
Concen: 42.360 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion: 77 Resp: 137428
Ion Ratio Lower Upper
77 100
97 20.9 10.8 32.4





#27

cis-1,2-Dichloroethene

Concen: 45.657 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

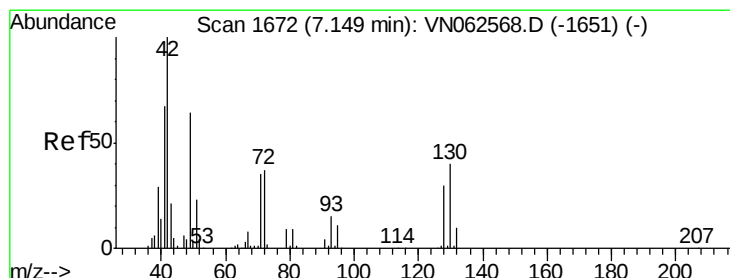
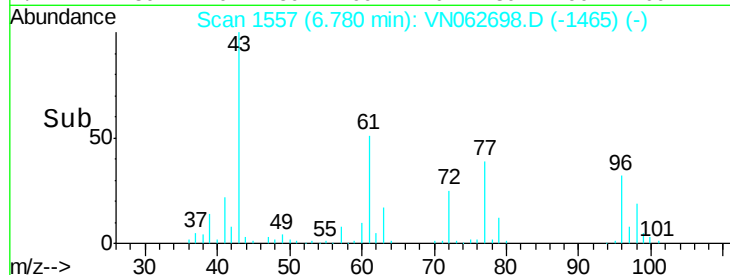
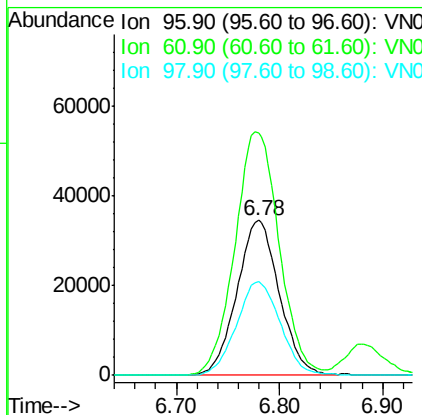
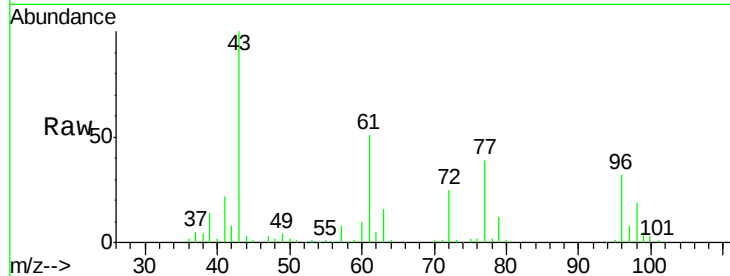
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	98700
Ion	Ratio	Lower	Upper
96	100		
61	163.8	0.0	332.4
98	62.6	0.0	127.4

Manual Integrations
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8/3/2020 9:32:13 AM



#28

Bromochloromethane

Concen: 41.387 ug/l

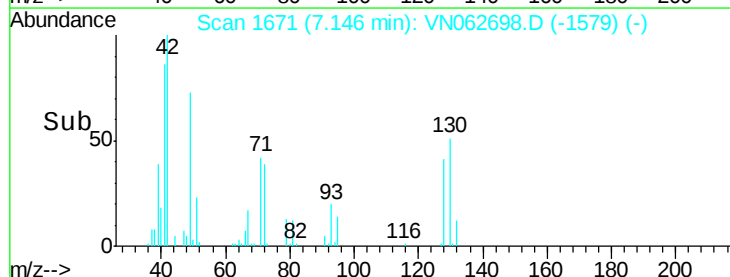
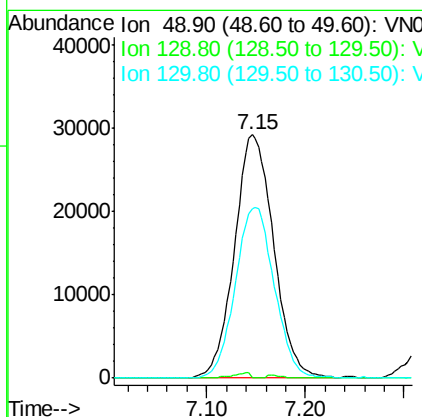
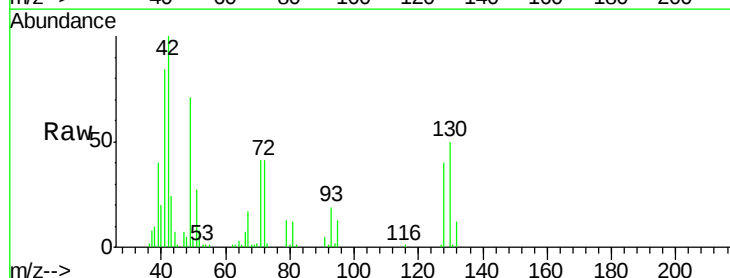
RT: 7.15 min Scan# 1671

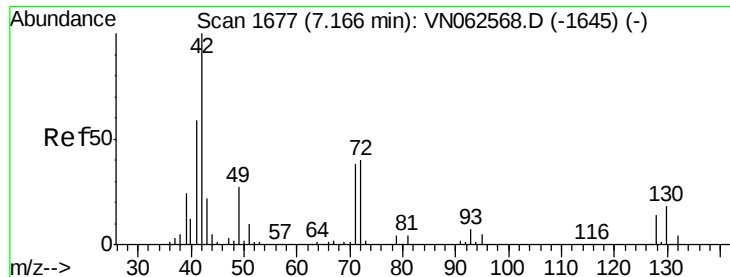
Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Tgt Ion:	49	Resp:	80496
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.4
130	69.8	49.8	74.8





#29

Tetrahydrofuran

Concen: 228.638 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

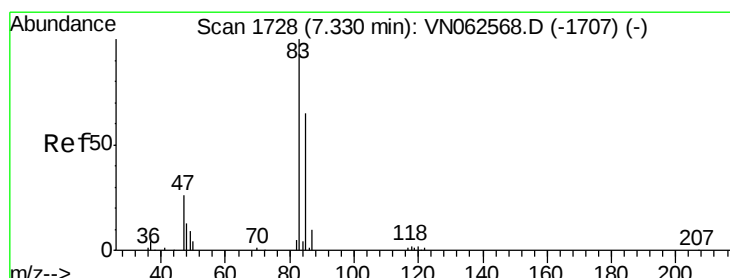
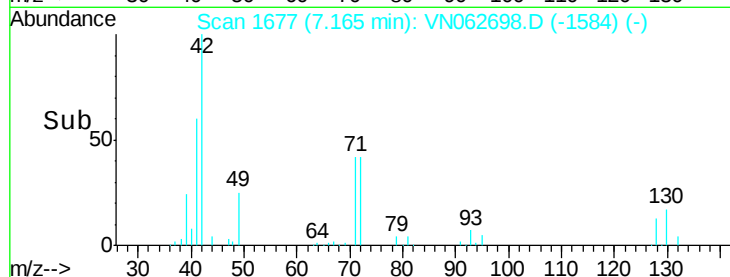
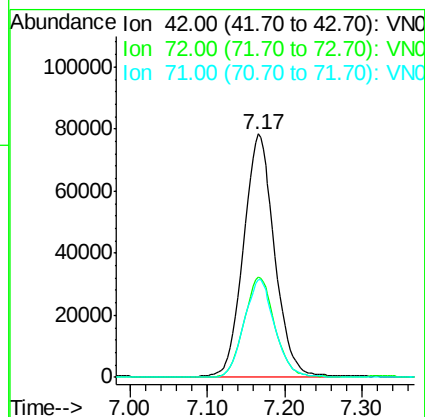
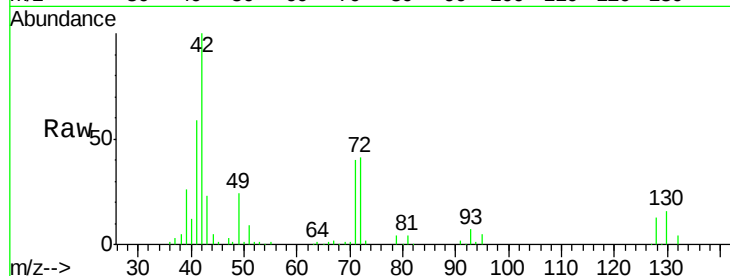
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	219570
Ion	Ratio	Lower	Upper
42	100		
72	40.7	30.7	46.1
71	39.8	29.1	43.7

Manual Integrations
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MMDadoda
8/3/2020 9:32:13 AM



#30

Chloroform

Concen: 48.604 ug/l

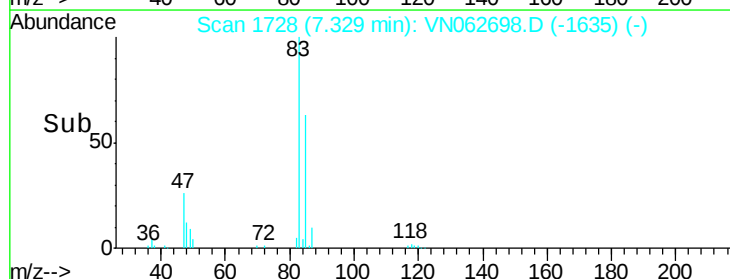
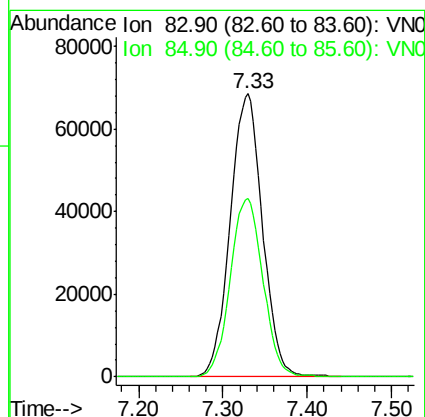
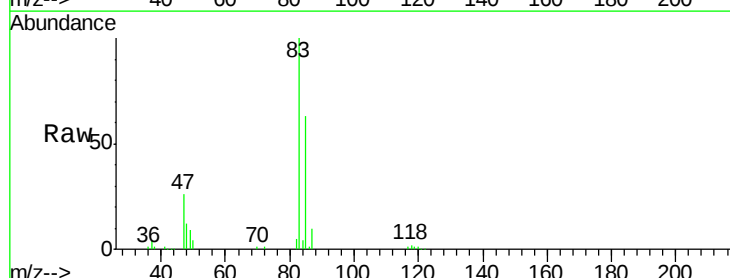
RT: 7.33 min Scan# 1728

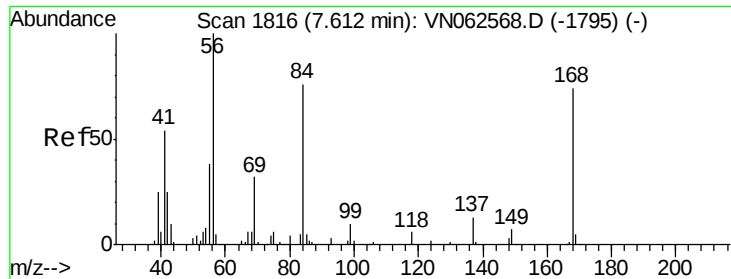
Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Tgt Ion:	83	Resp:	182639
Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.0	78.0





#31

Cyclohexane

Concen: 41.015 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

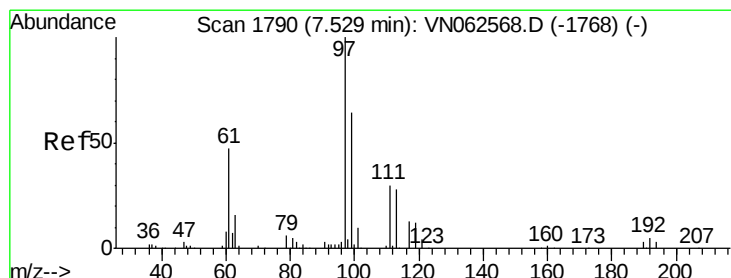
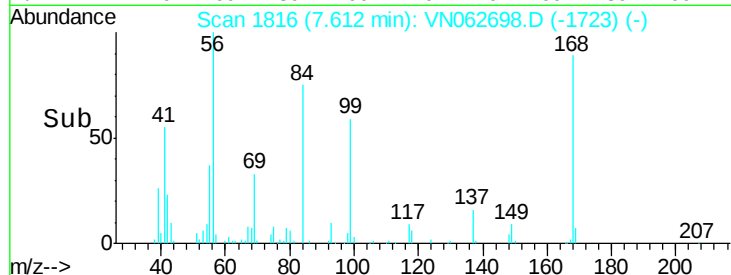
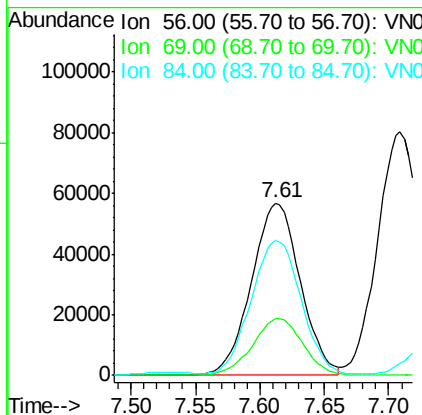
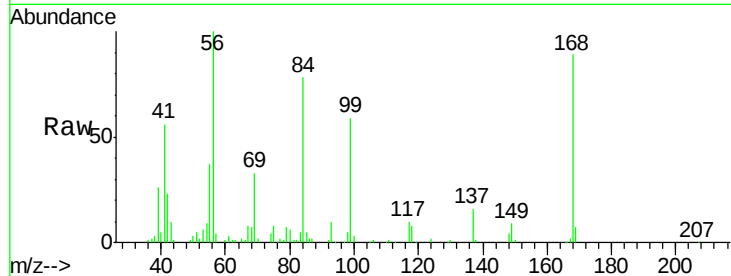
ClientSampleID :

VSTDCCC050EC

Tot Ion:	56	Resp:	149660
Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.3	37.9
84	77.0	61.0	91.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.092 ug/l

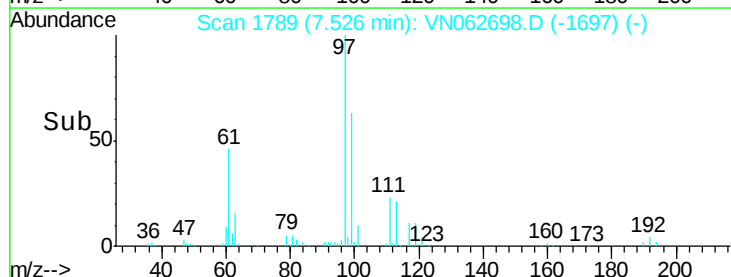
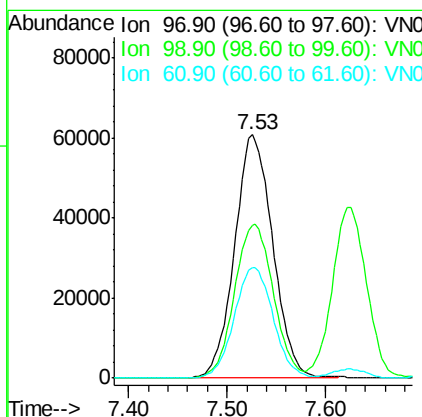
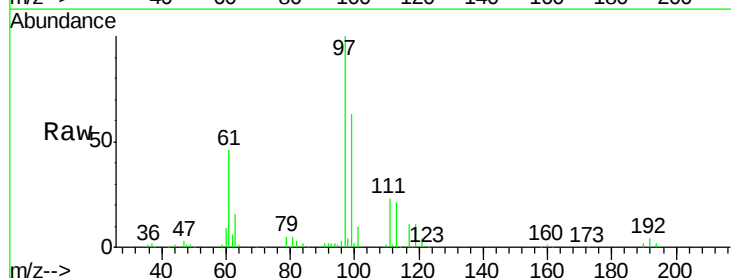
RT: 7.53 min Scan# 1789

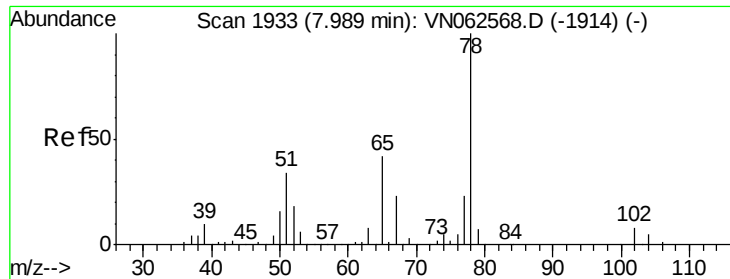
Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Tgt Ion:	97	Resp:	163425
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.2	76.8
61	46.2	38.4	57.6





#33

1,2-Dichloroethane-d4

Concen: 50.387 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 124778

Ion Ratio Lower Upper

65 100

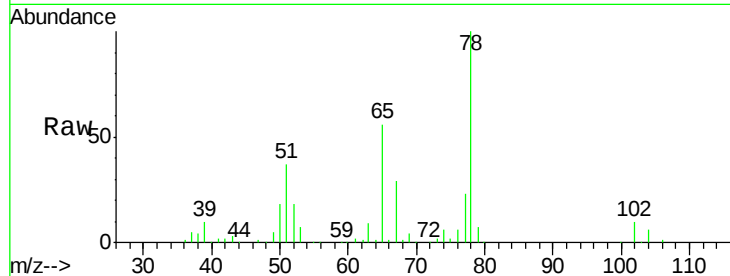
67 50.8 0.0 106.0

Manual Integrations

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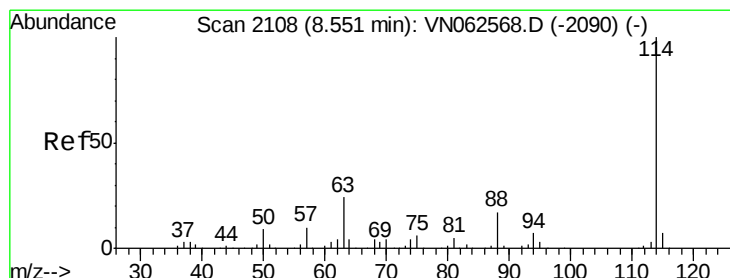
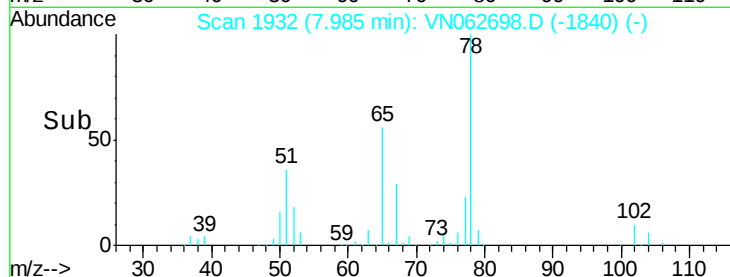
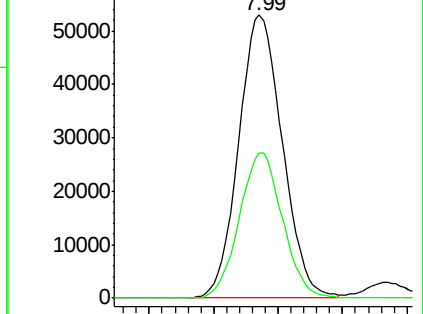
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Abundance Ion 64.90 (64.60 to 65.60): VN062568.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN062568.D (-1914) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

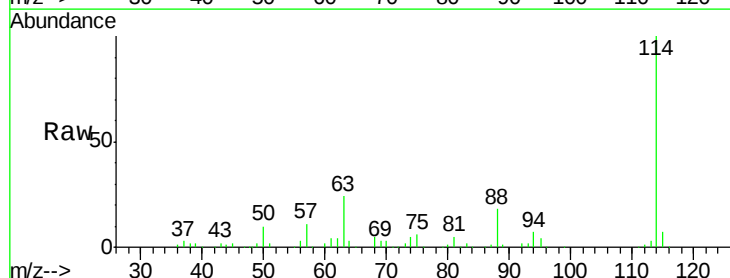
Tgt Ion: 114 Resp: 256957

Ion Ratio Lower Upper

114 100

63 24.1 0.0 48.4

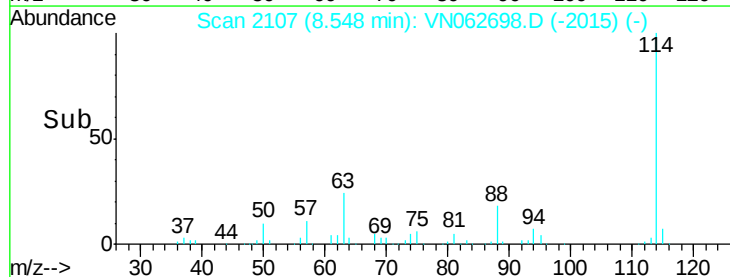
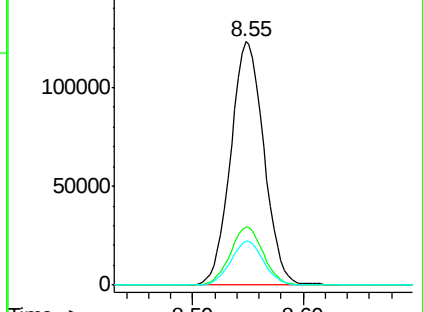
88 17.8 0.0 33.8

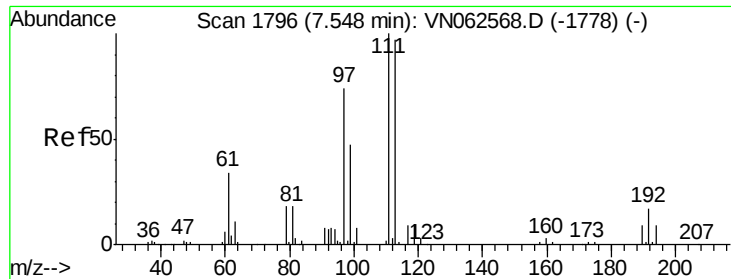


Abundance Ion 113.90 (113.60 to 114.60): VN062568.D (-2090) (-)

Ion 63.00 (62.70 to 63.70): VN062568.D (-2090) (-)

Ion 87.90 (87.60 to 88.60): VN062568.D (-2090) (-)





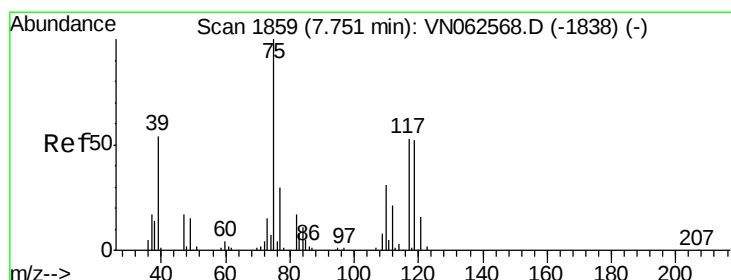
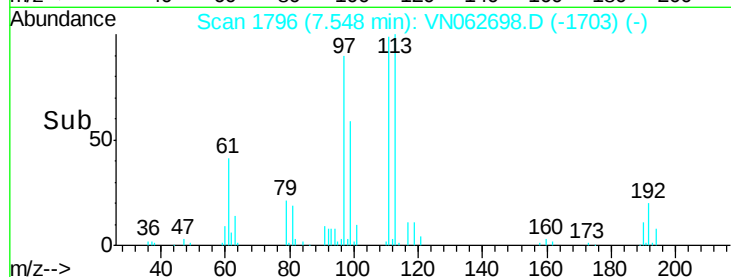
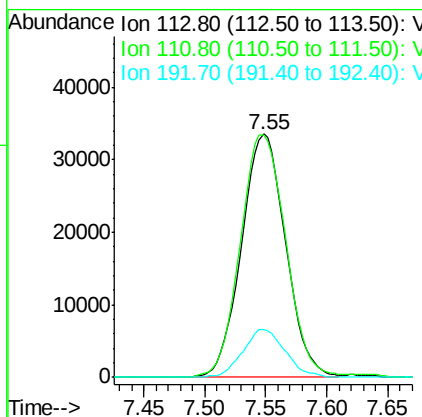
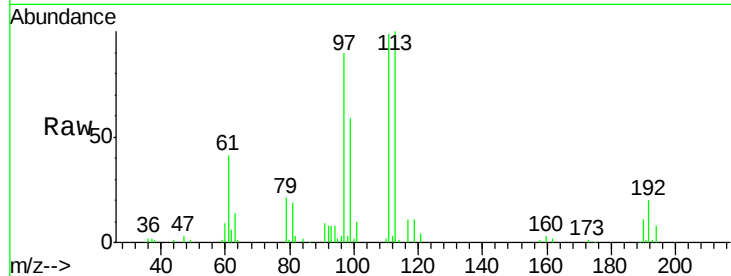
#35
 Dibromofluoromethane
 Concen: 49.695 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.7	124.1
192	18.8	14.8	22.2

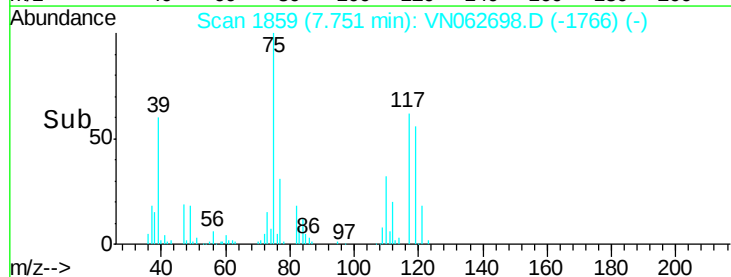
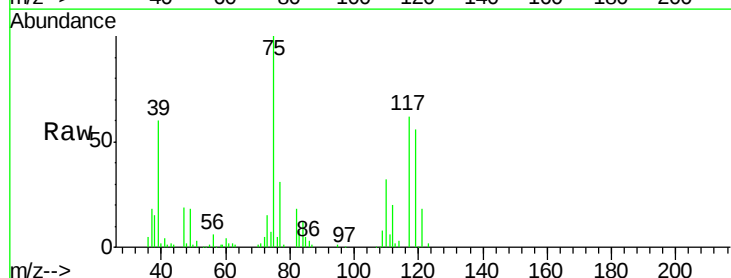
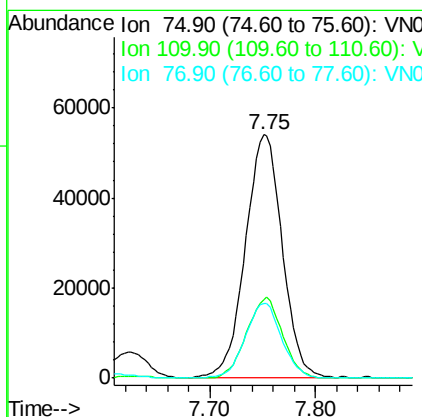
Manual Integrations
 APPROVED

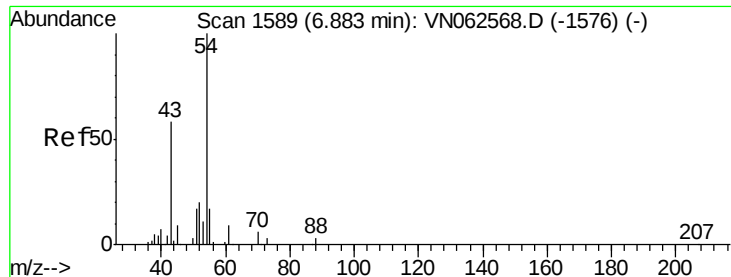
MMDadoda
 8/3/2020 9:32:13 AM



#36
 1,1-Dichloropropene
 Concen: 48.234 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	16.0	48.0
77	30.4	24.6	36.8





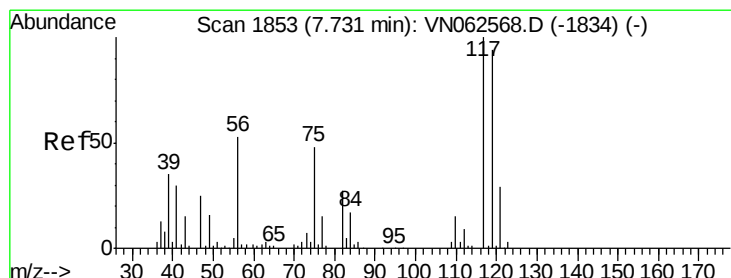
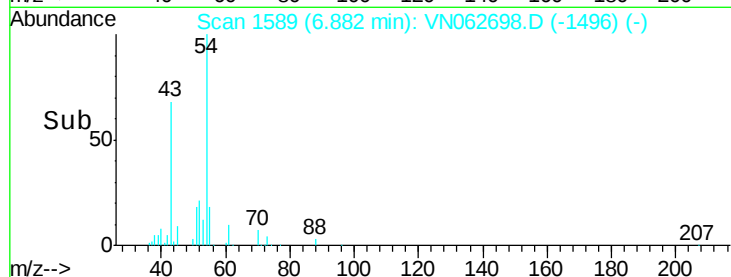
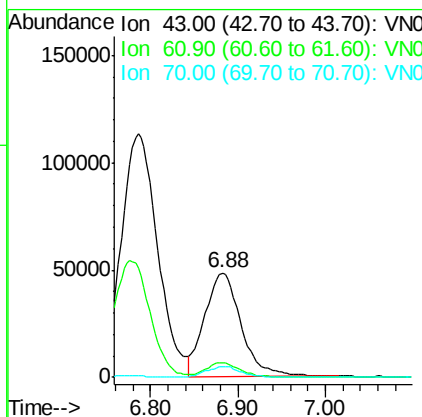
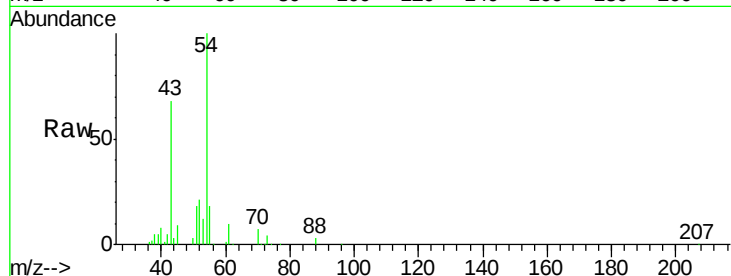
#37
Ethyl Acetate
Concen: 47.223 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.3	16.9
70	9.8	7.7	11.5

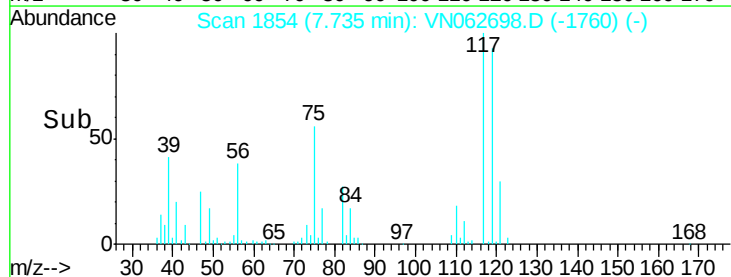
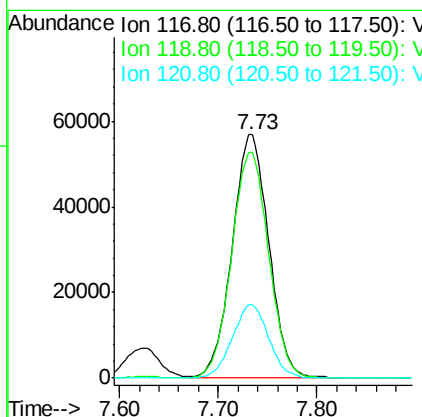
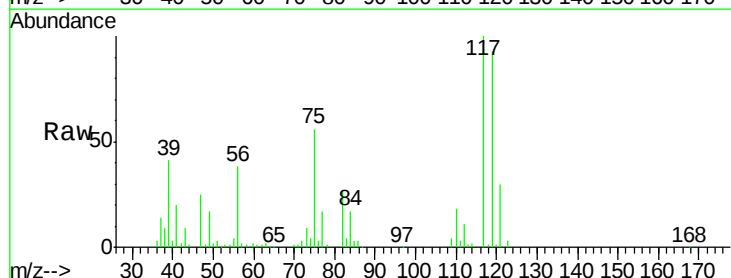
Manual Integrations
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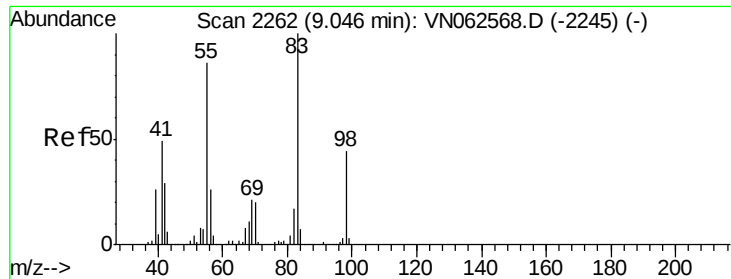
MMDadoda
8/3/2020 9:32:13 AM



#38
Carbon Tetrachloride
Concen: 55.759 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	74.8	112.2
121	30.4	23.0	34.6





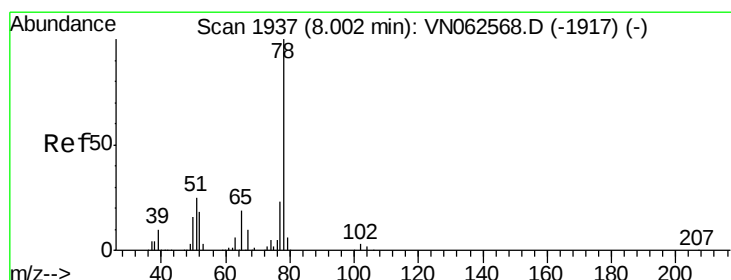
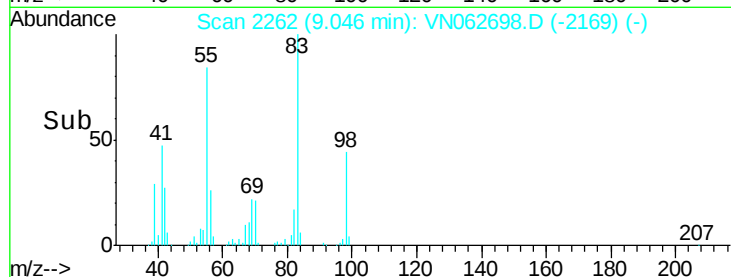
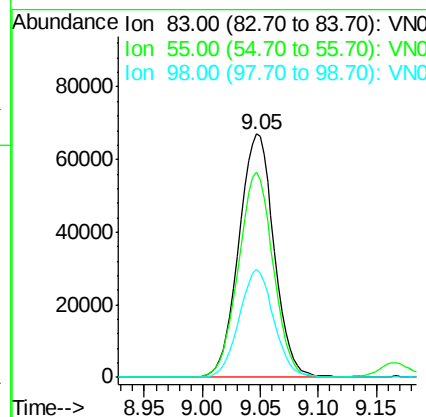
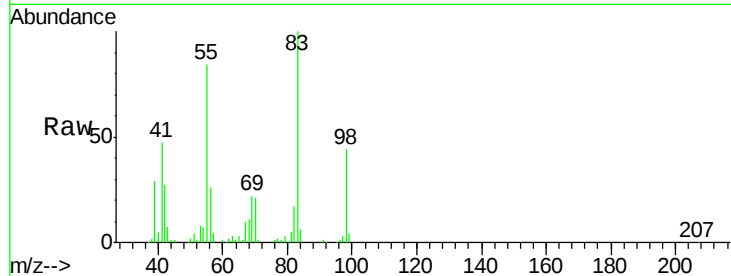
#39
Methvlcvclohexane
Concen: 47.858 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.2	68.9	103.3
98	44.3	35.1	52.7

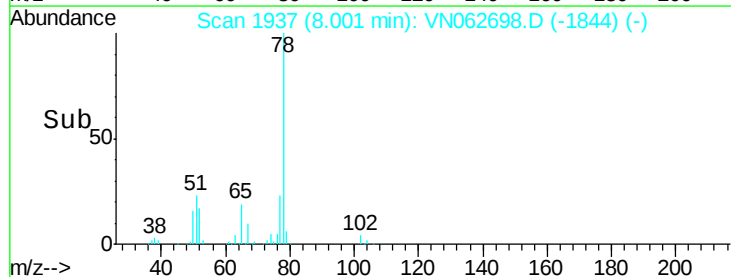
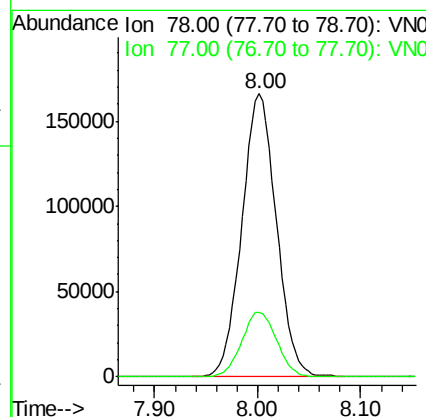
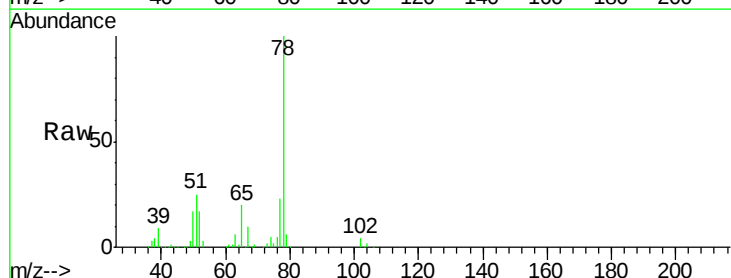
Manual Integrations
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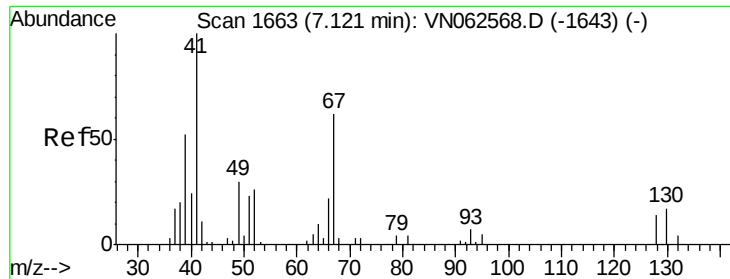
MMDadoda
8/3/2020 9:32:13 AM



#40
Benzene
Concen: 46.635 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.7	28.1





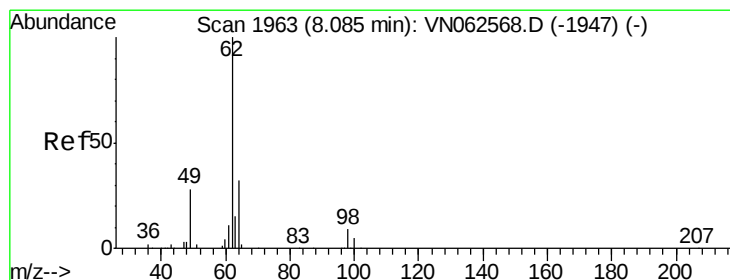
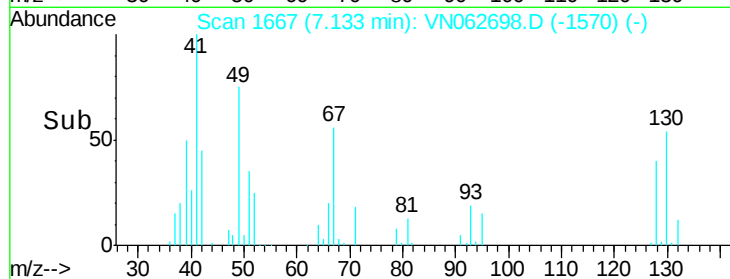
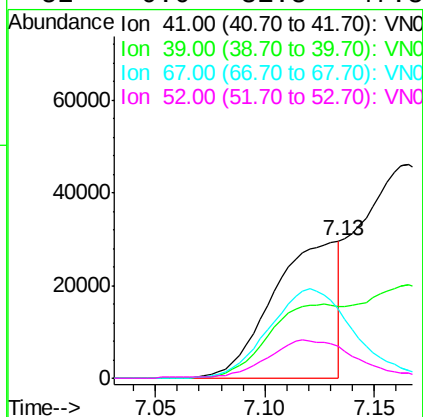
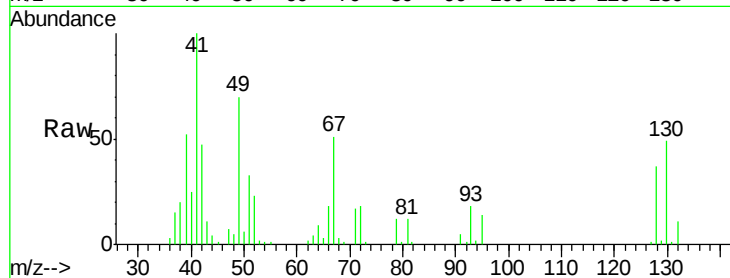
#41
Methacrylonitrile
Concen: 48.734 ug/l m
RT: 7.13 min Scan# 1667
Delta R.T. 0.01 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.8	83.6#
67	0.0	72.5	108.7#
52	0.0	31.8	47.8#

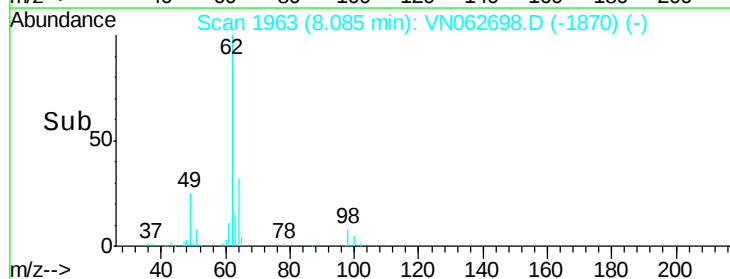
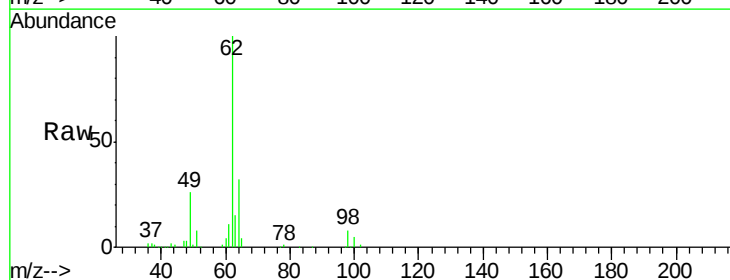
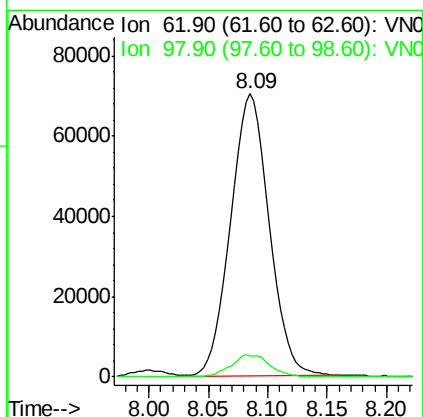
Manual Integrations
APPROVED

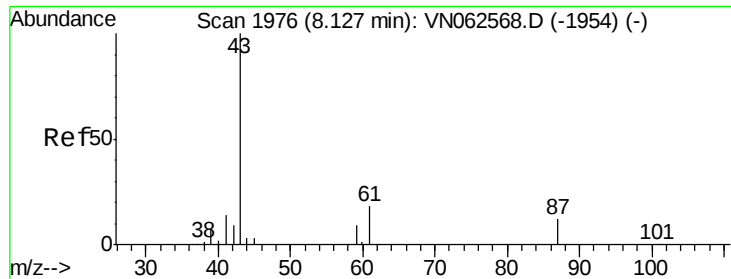
MMDadoda
8/3/2020 9:32:13 AM



#42
1,2-Dichloroethane
Concen: 52.128 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2





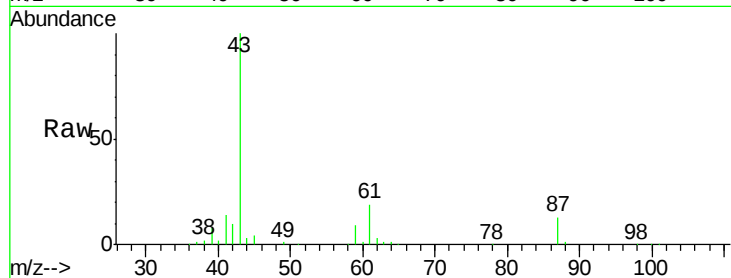
#43
Isopropyl Acetate
Concen: 48.861 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

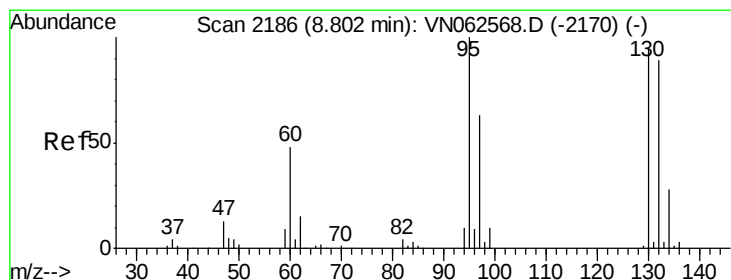
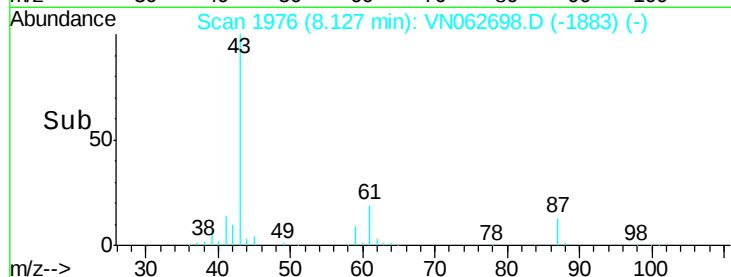
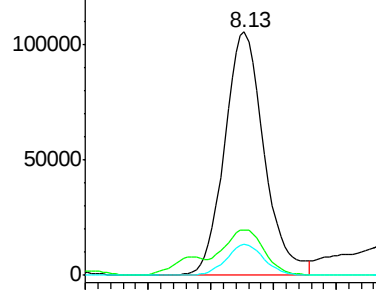
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	20.8	31.2#
87	12.0	9.2	13.8

Manual Integrations
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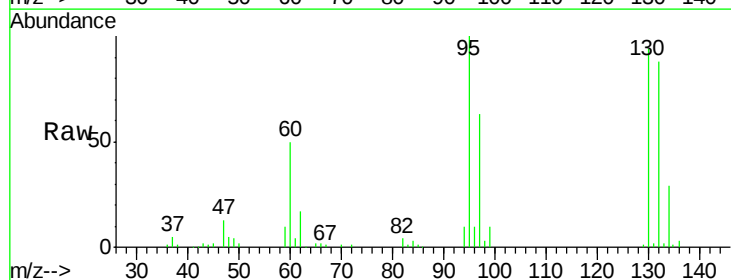


Abundance Ion 43.00 (42.70 to 43.70): VN062698.D (-1954) (-)

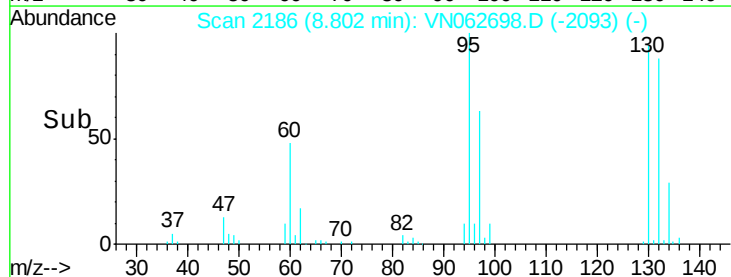
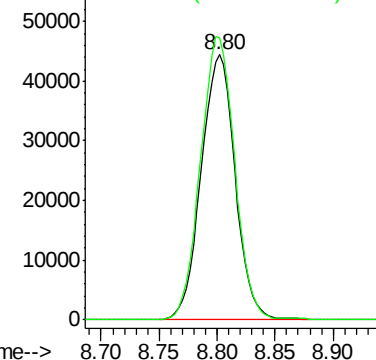


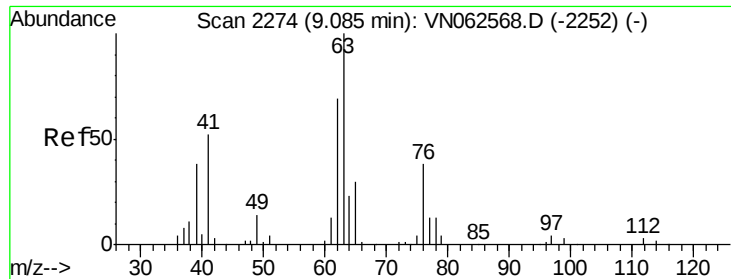
#44
Trichloroethene
Concen: 48.316 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	210.4



Abundance Ion 129.80 (129.50 to 130.50): VN062698.D (-2093) (-)





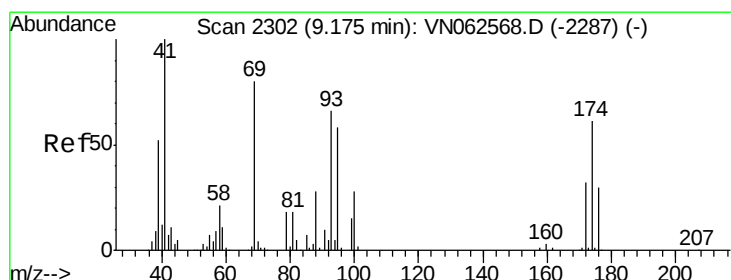
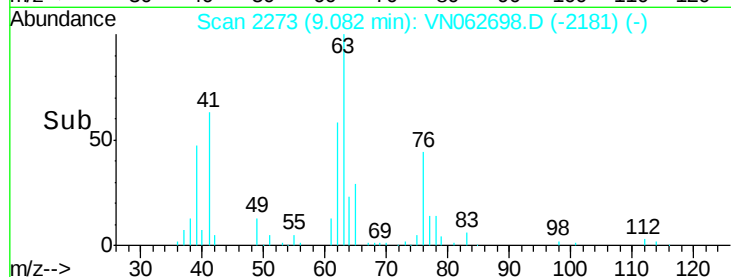
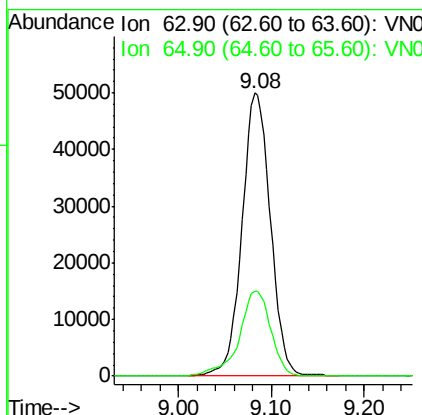
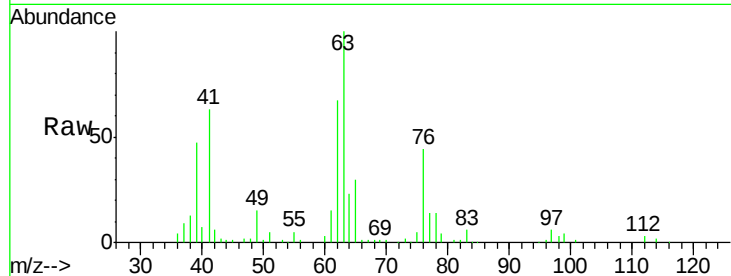
#45
 1,2-Dichloropropane
 Concen: 45.656 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 106293
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.4 36.6

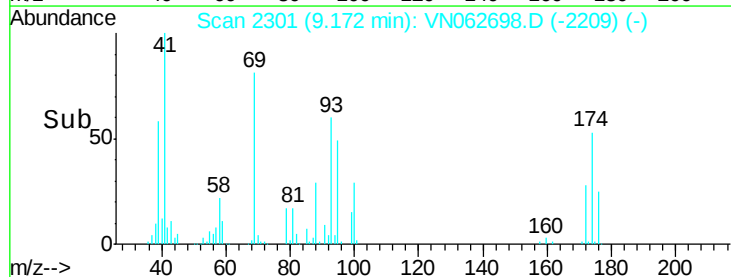
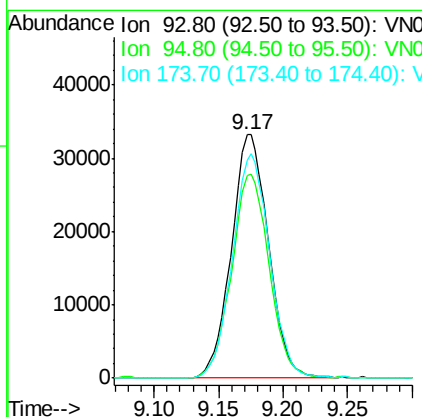
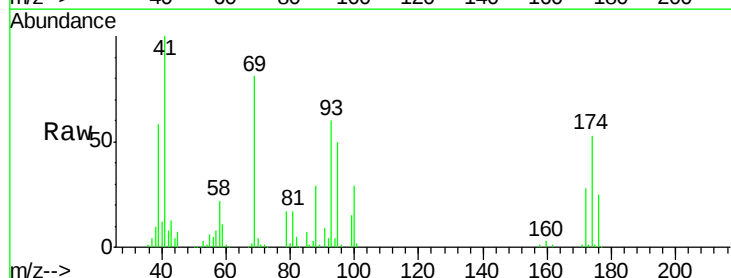
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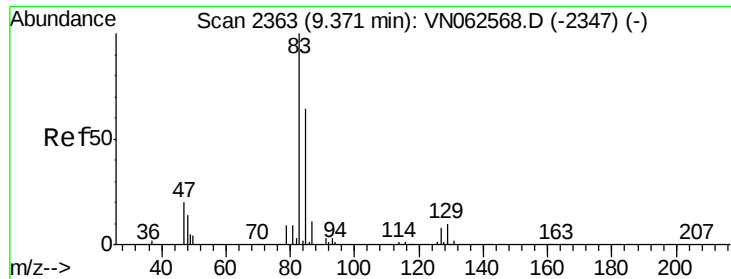
MMDadoda
 8/3/2020 9:32:13 AM



#46
 Dibromomethane
 Concen: 49.372 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Tgt Ion: 93 Resp: 66434
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.6 101.4
 174 92.5 72.5 108.7





#47

Bromodichloromethane

Concen: 51.710 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

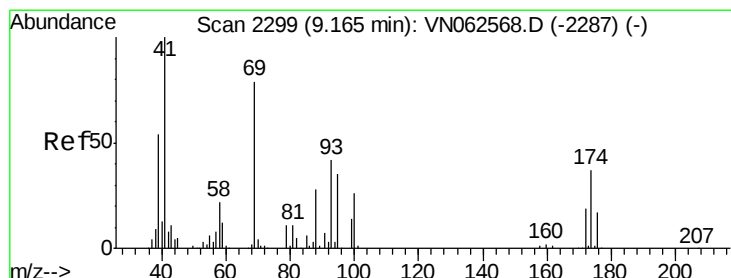
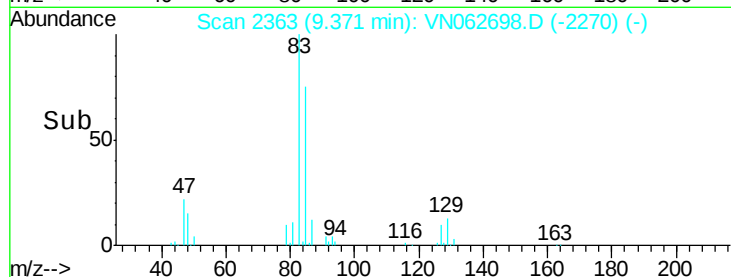
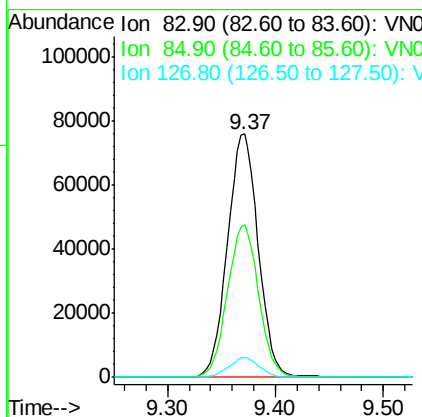
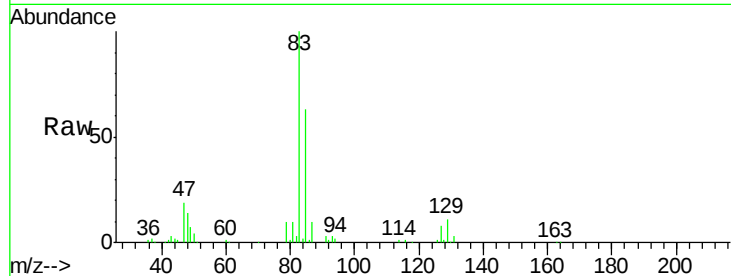
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	150744
Ion Ratio	Lower	Upper	
83	100		
85	62.9	51.6	77.4
127	8.3	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.811 ug/l

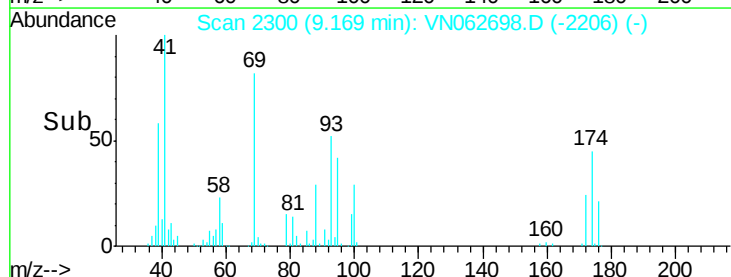
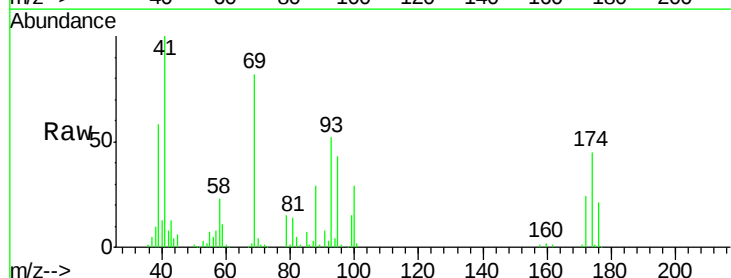
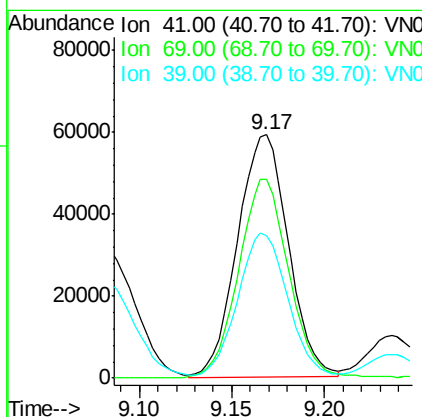
RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Tgt Ion:	41	Resp:	112697
Ion Ratio	Lower	Upper	
41	100		
69	81.3	64.4	96.6
39	59.1	43.5	65.3





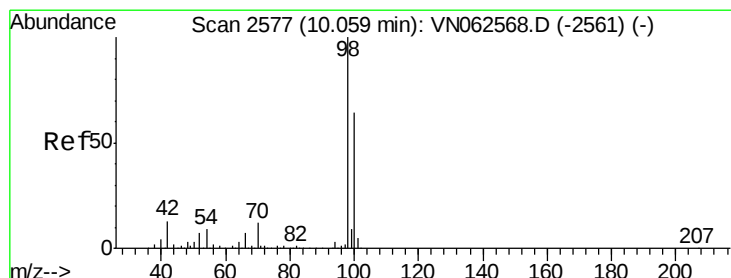
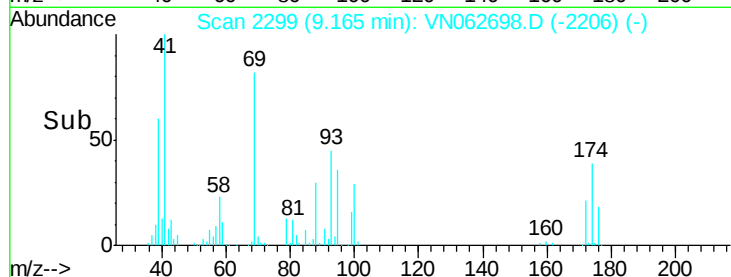
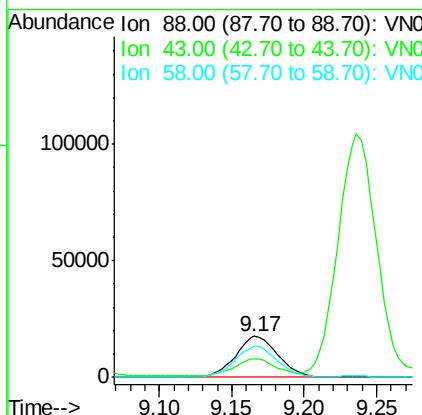
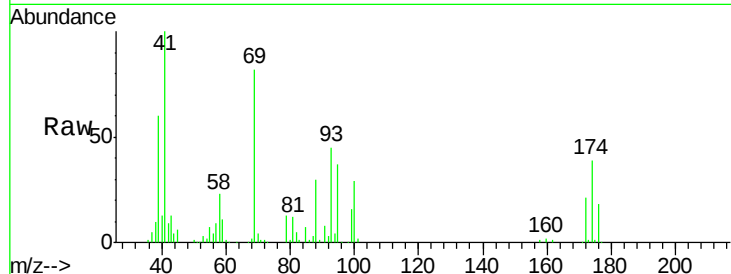
#49
1,4-Dioxane
Concen: 1019.308 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	32.0	48.0
58	76.1	62.8	94.2

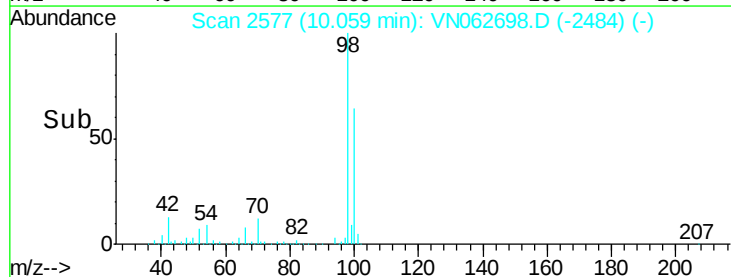
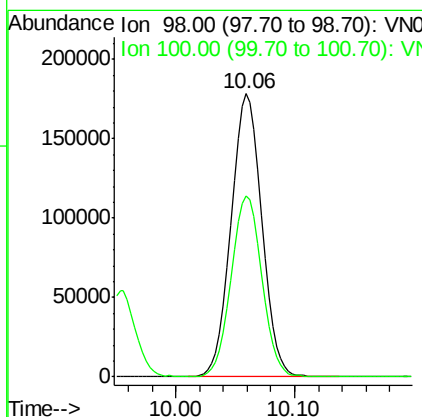
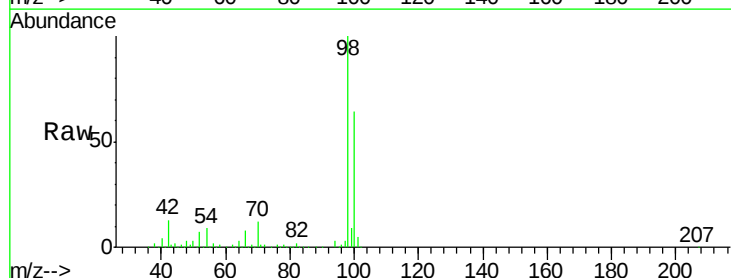
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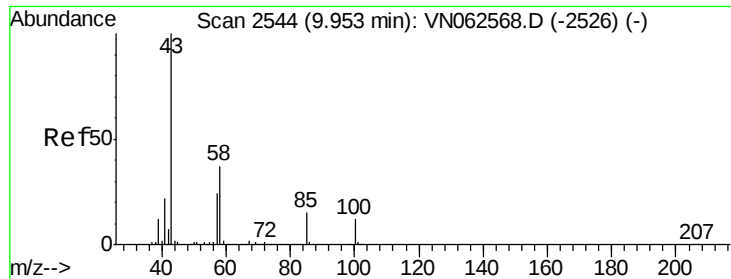
MMDadoda
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#50
Toluene-d8
Concen: 47.556 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.9	76.3





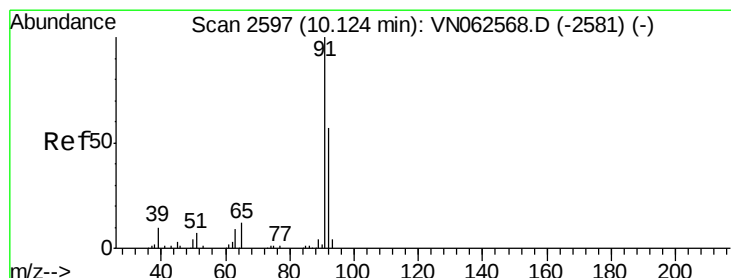
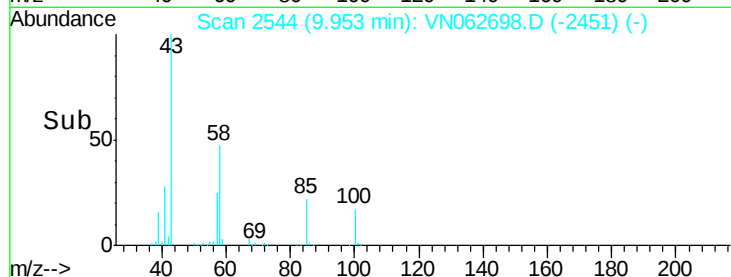
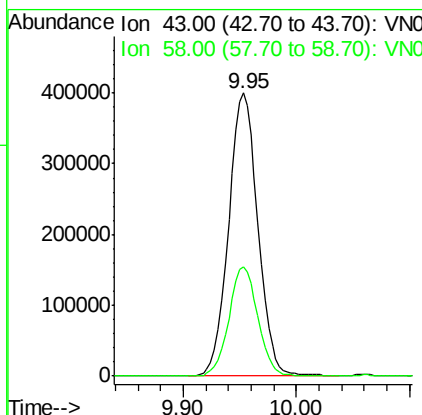
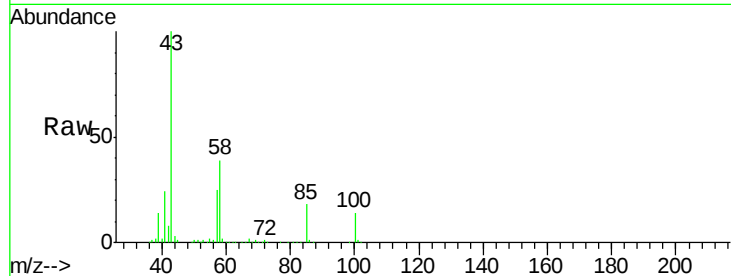
#51
4-Methyl-2-Pentanone
Concen: 251.015 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	714831
Ion Ratio	100	Lower	Upper
43	100		
58	38.4	29.8	44.6

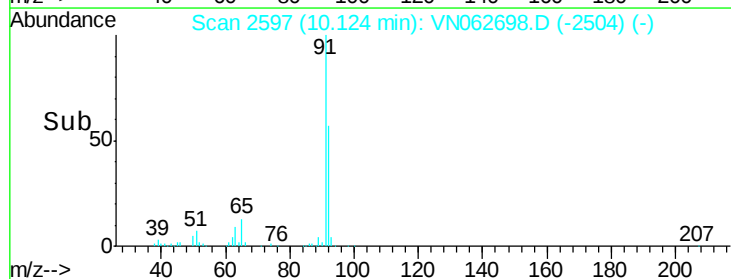
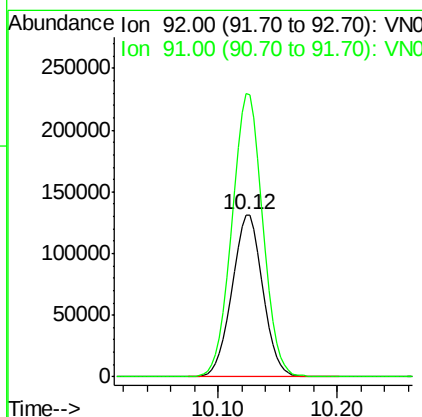
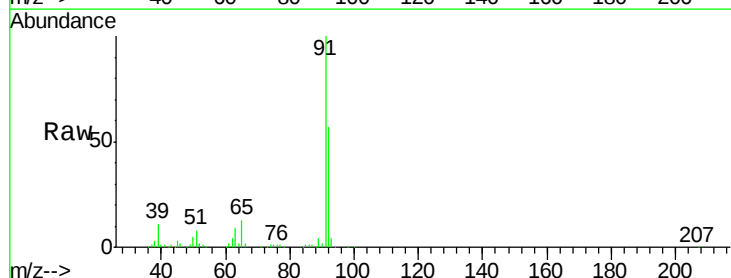
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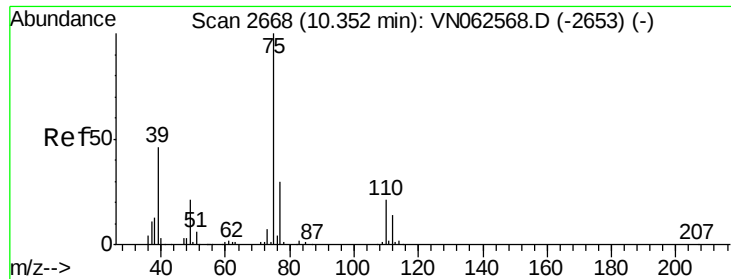
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#52
Toluene
Concen: 48.999 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion	92	Resp	235921
Ion Ratio	100	Lower	Upper
92	100		
91	175.1	139.4	209.2





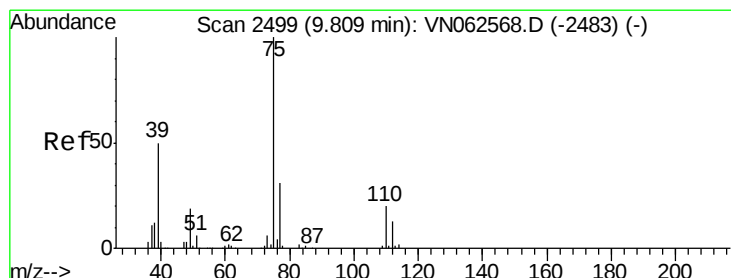
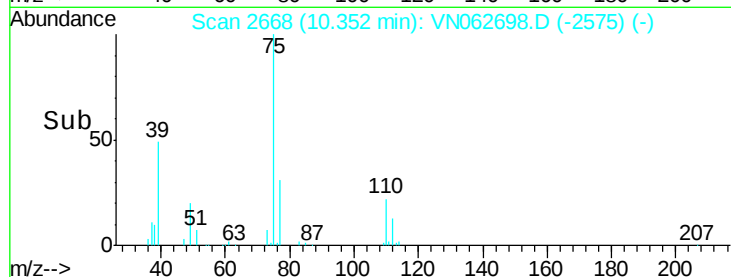
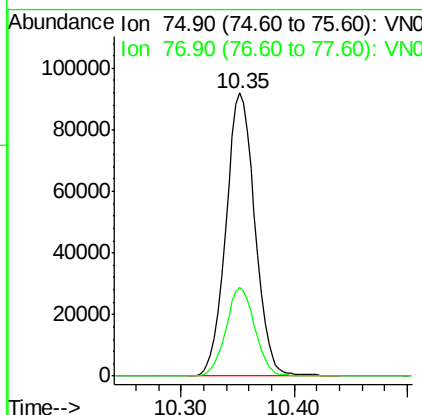
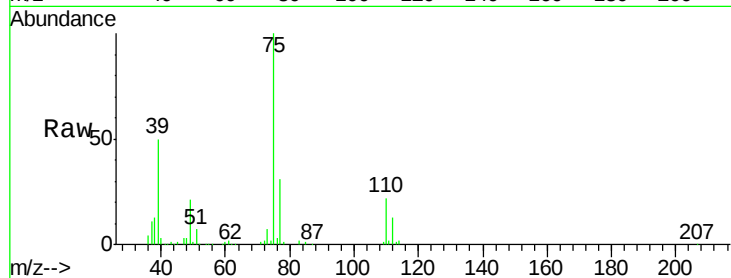
#53
t-1,3-Dichloropropene
Concen: 50.484 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.3	36.5

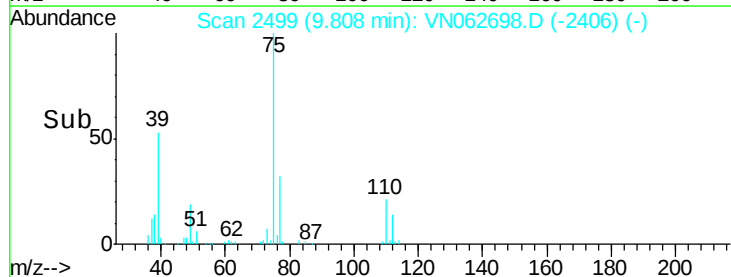
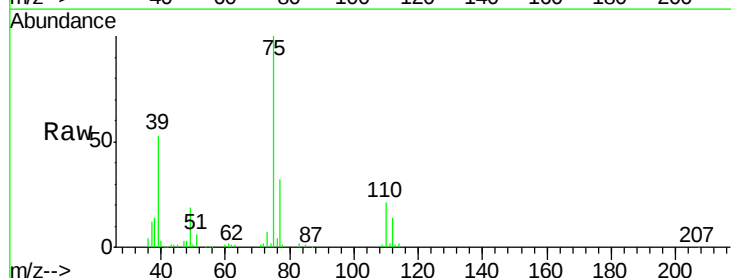
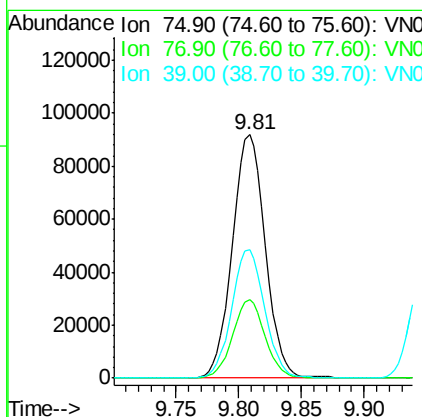
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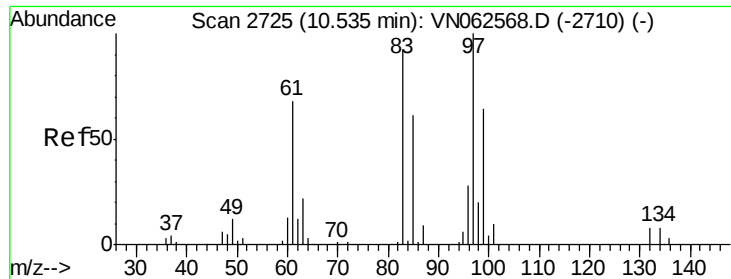
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#54
cis-1,3-Dichloropropene
Concen: 48.211 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.6
39	52.8	39.8	59.8





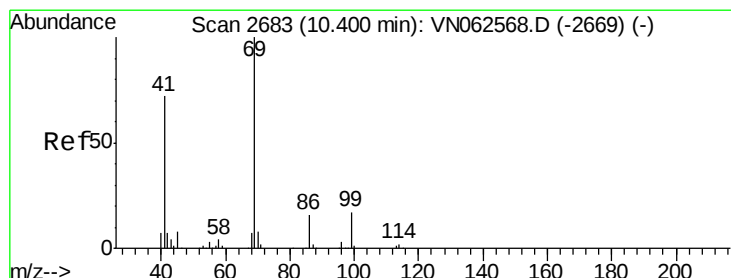
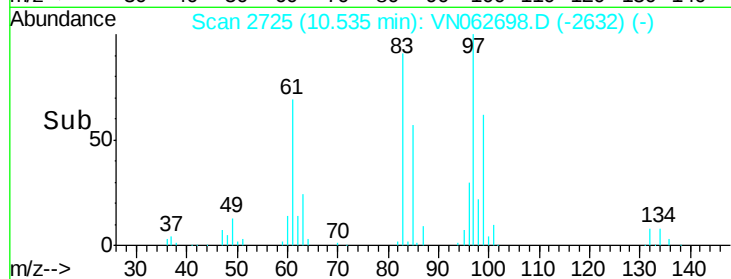
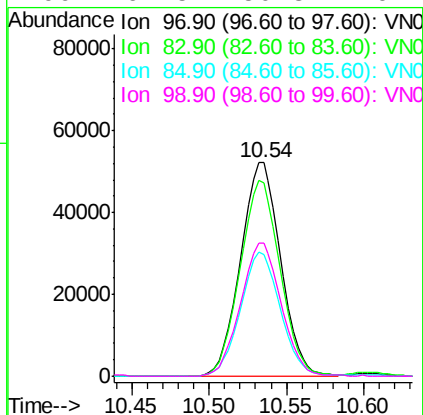
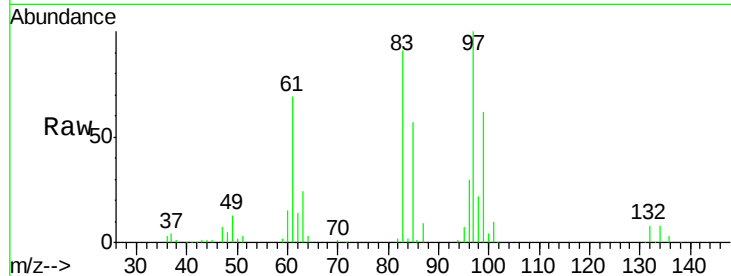
#55
 1,1,2-Trichloroethane
 Concen: 50.414 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	94154
Ion	Ratio	Lower	Upper
97	100		
83	90.5	73.7	110.5
85	57.0	48.5	72.7
99	62.5	50.8	76.2

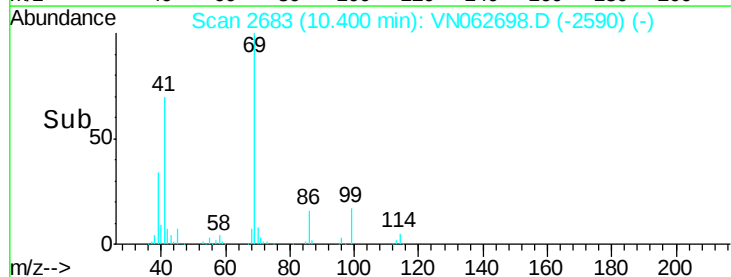
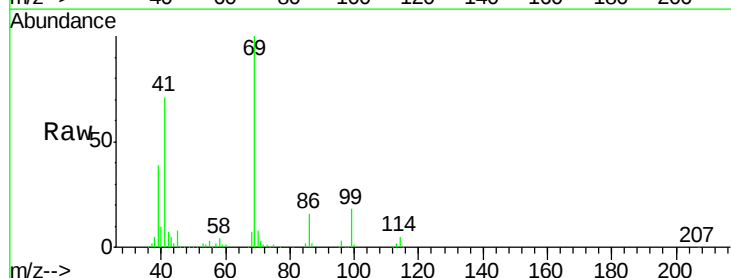
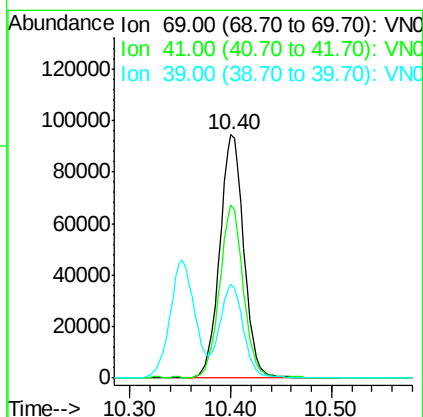
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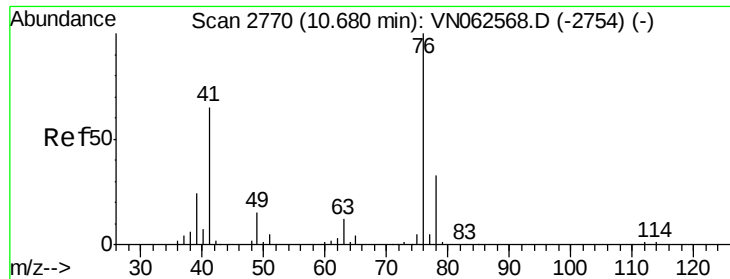
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#56
 Ethyl methacrylate
 Concen: 47.024 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Tgt Ion:	69	Resp:	157330
Ion	Ratio	Lower	Upper
69	100		
41	69.0	57.2	85.8
39	38.1	28.6	43.0





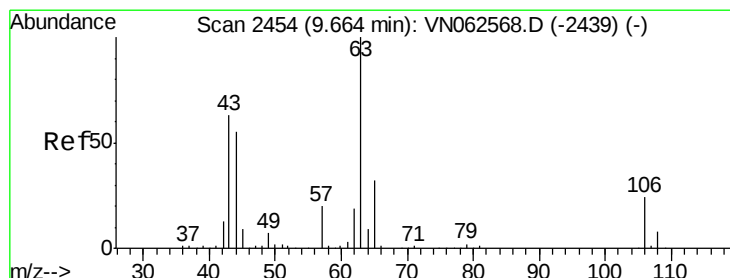
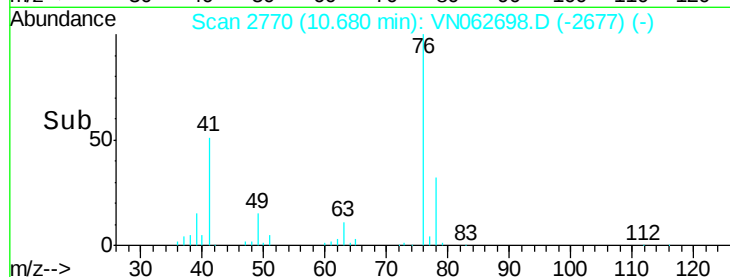
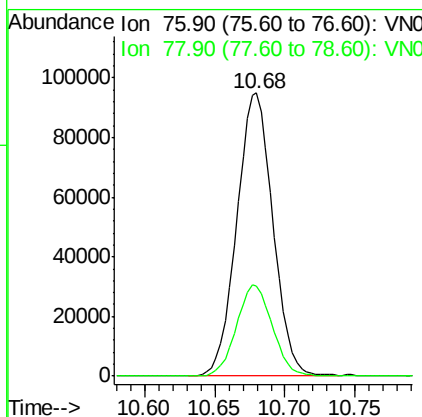
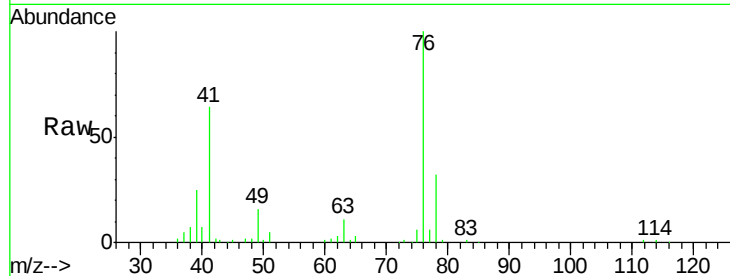
#57
 1,3-Dichloropropane
 Concen: 49.740 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 170186
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.3 39.5

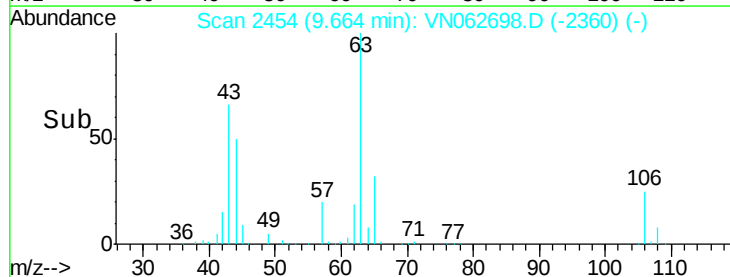
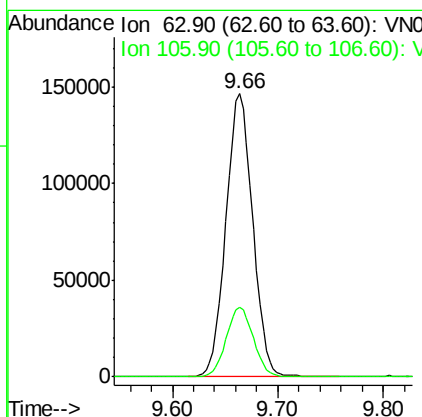
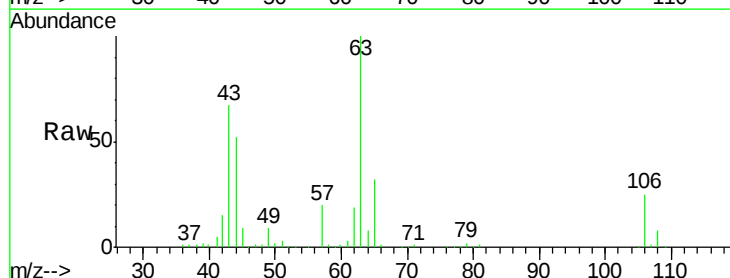
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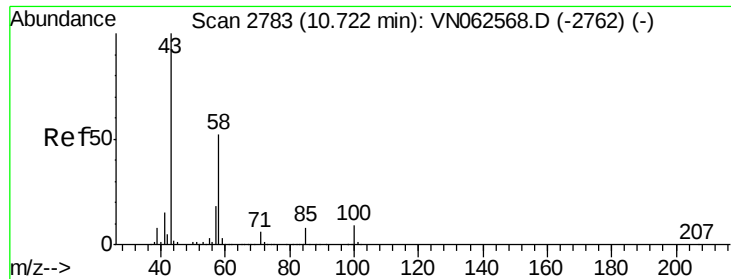
MMDadoda
 8/3/2020 9:32:13 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.252 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Tgt Ion: 63 Resp: 257265
 Ion Ratio Lower Upper
 63 100
 106 24.9 18.9 28.3





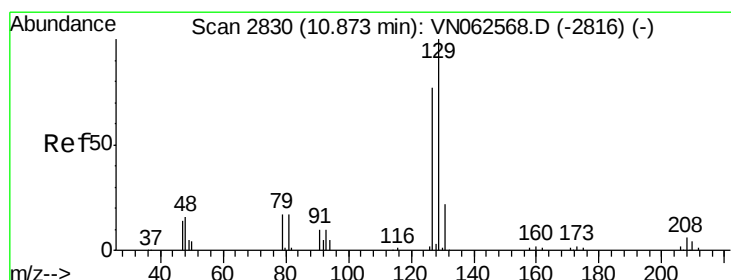
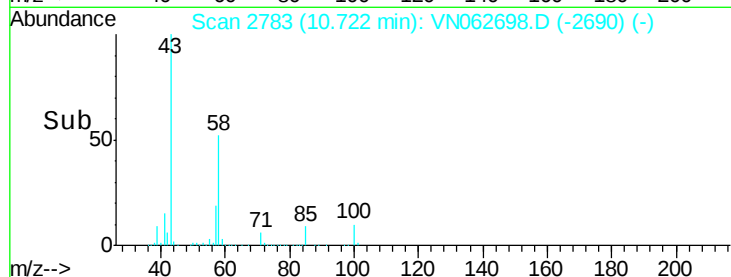
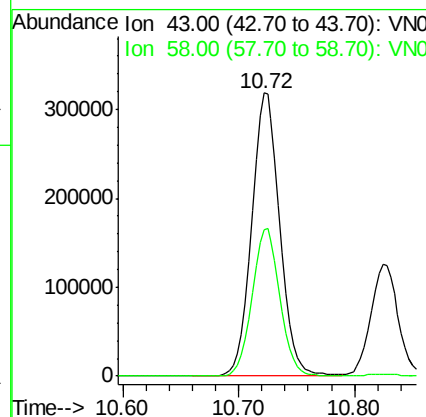
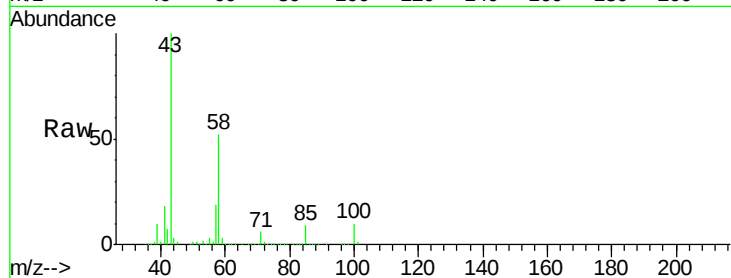
#59
2-Hexanone
Concen: 243.616 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 536365
Ion Ratio Lower Upper
43 100
58 51.8 26.0 78.0

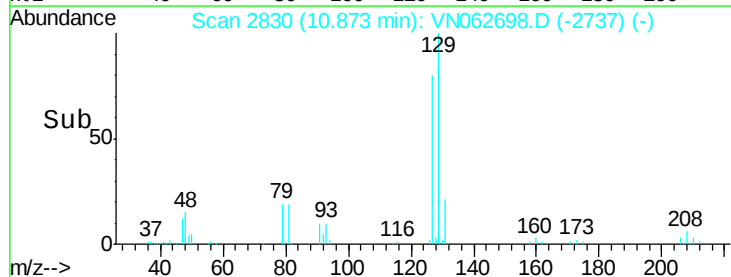
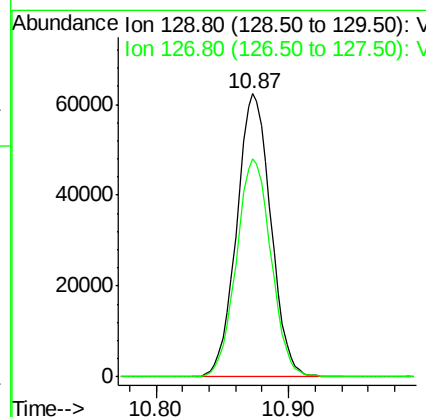
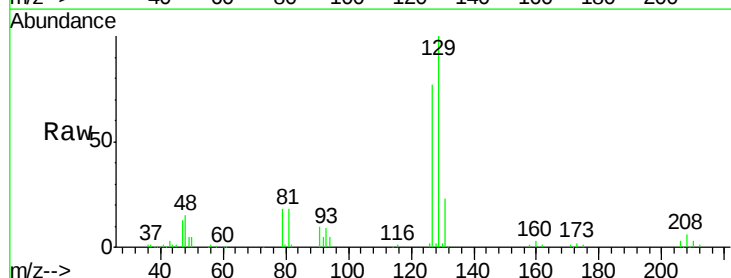
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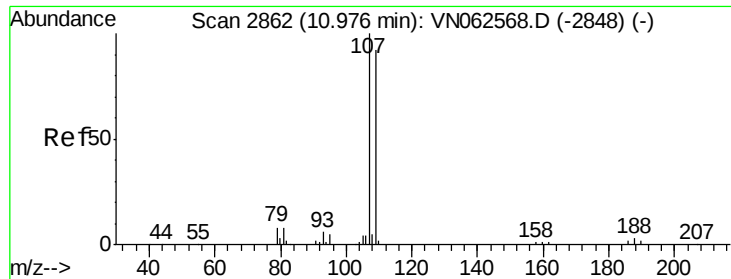
MMDadoda
8/3/2020 9:32:13 AM



#60
Dibromochloromethane
Concen: 53.426 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion: 129 Resp: 111312
Ion Ratio Lower Upper
129 100
127 78.1 38.0 113.9





#61

1,2-Dibromoethane

Concen: 49.783 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 96815

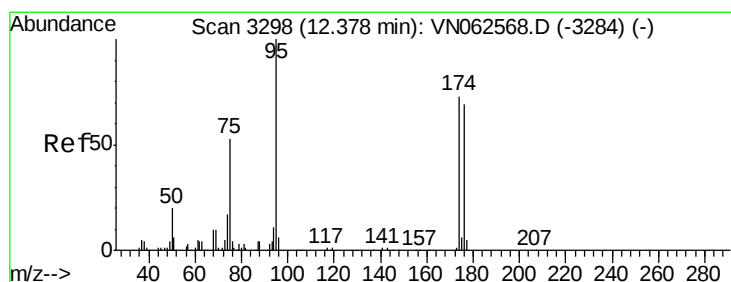
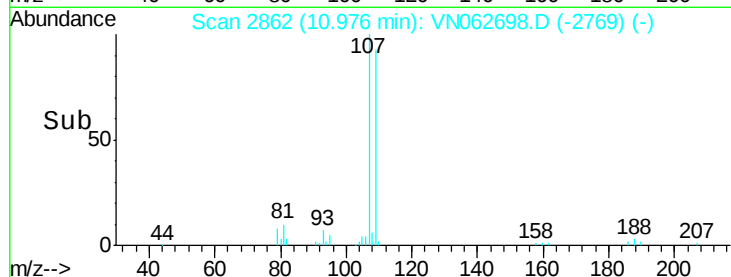
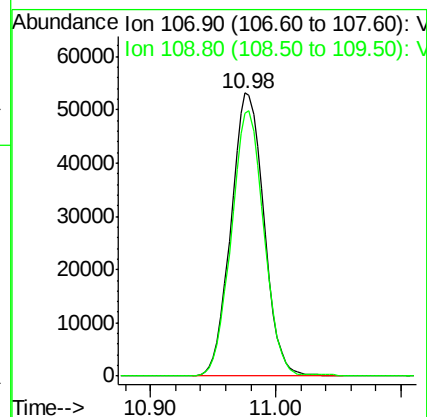
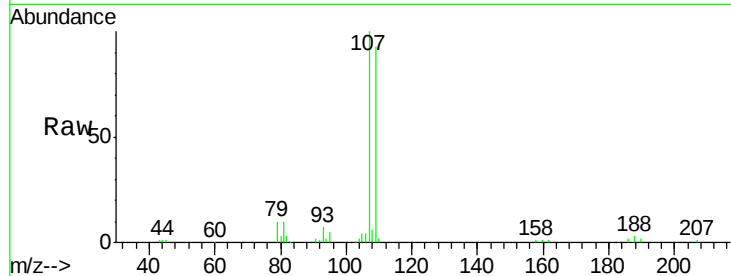
Ion Ratio Lower Upper

107 100

109 92.8 73.8 110.6

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#62

4-Bromofluorobenzene

Concen: 50.914 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

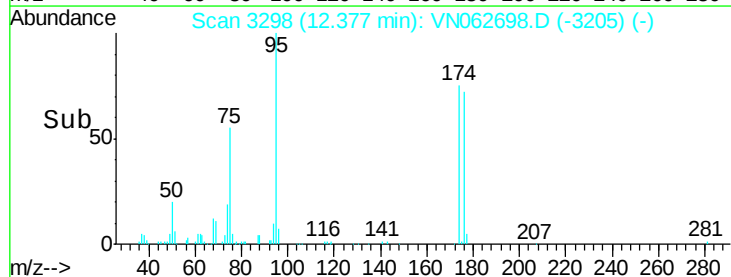
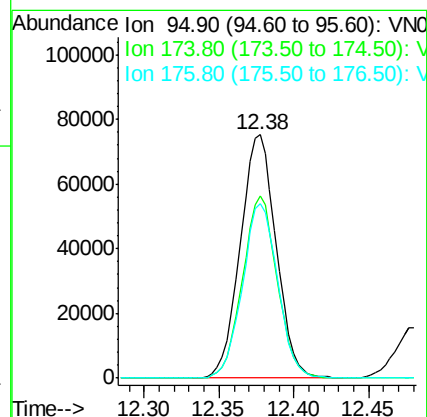
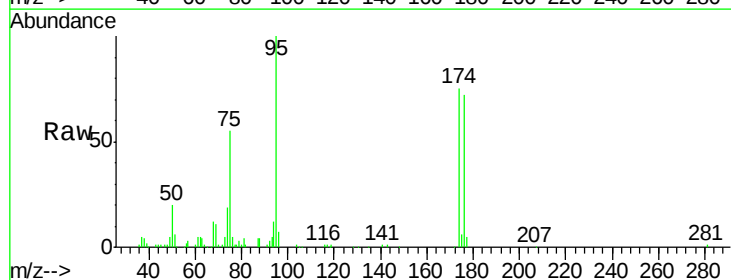
Tgt Ion: 95 Resp: 125370

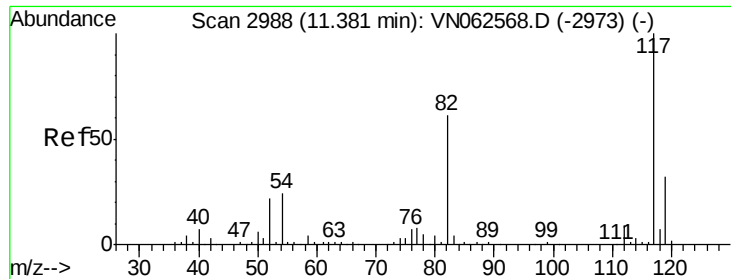
Ion Ratio Lower Upper

95 100

174 72.5 0.0 144.6

176 70.5 0.0 139.4





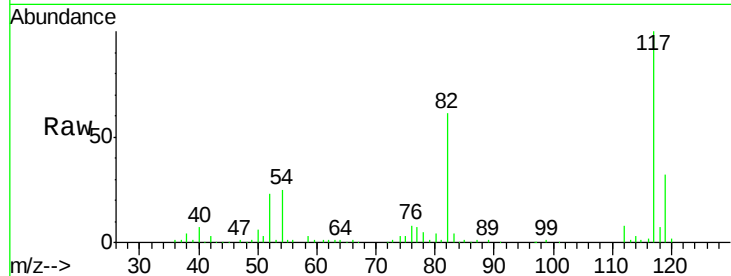
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

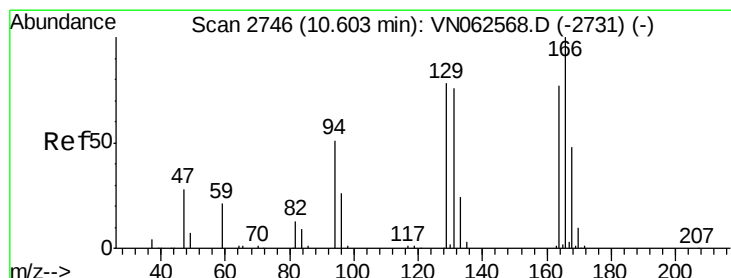
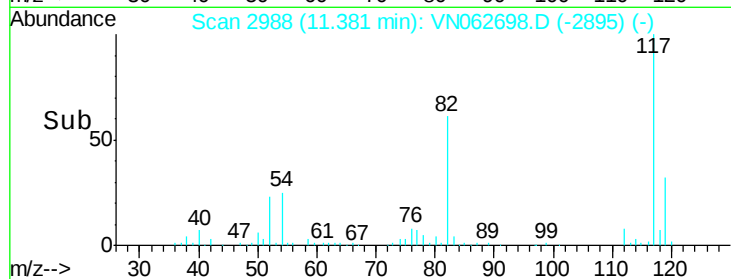
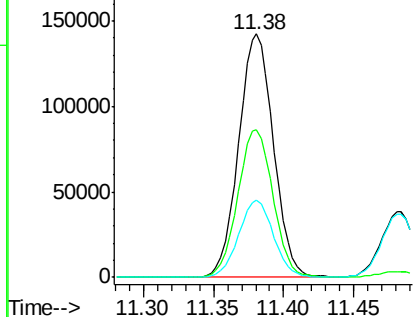
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	49.0	73.6
119	31.7	25.4	38.2

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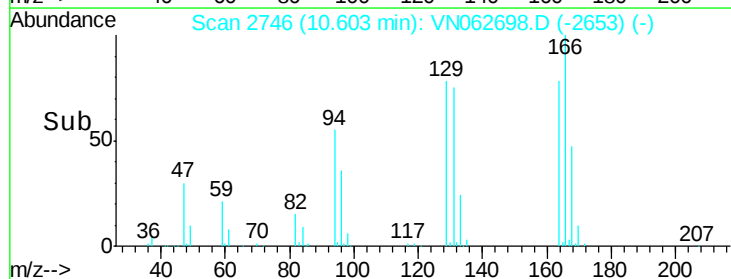
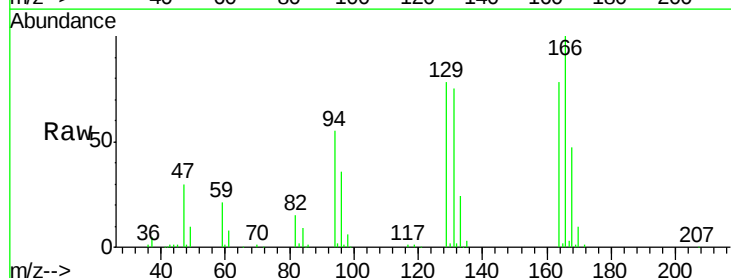
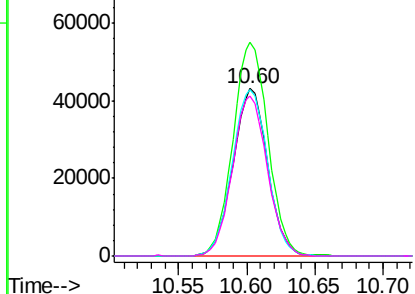
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

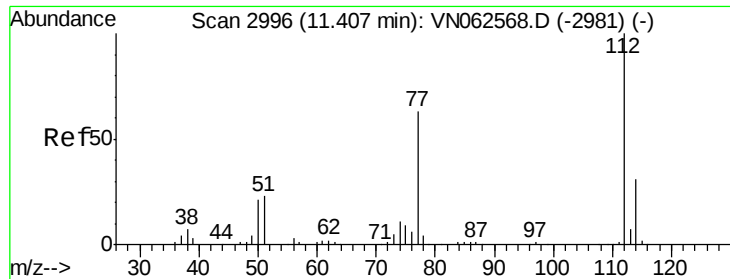


#64
Tetrachloroethene
Concen: 47.489 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	104.4	156.6
129	99.7	81.0	121.4
131	95.4	79.4	119.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 47.967 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 248108

Ion Ratio Lower Upper

112 100

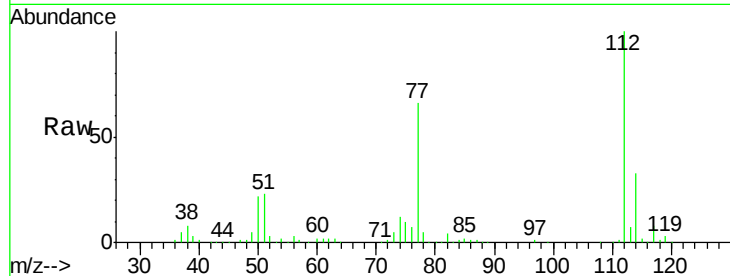
114 33.0 25.1 37.7

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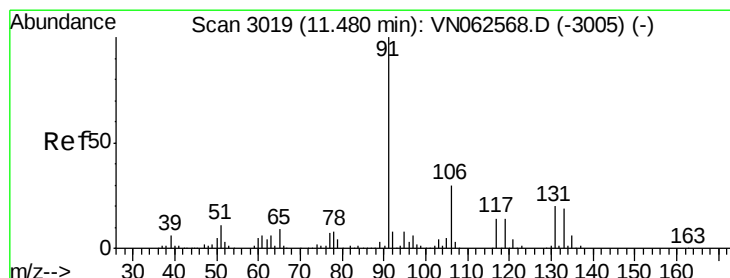
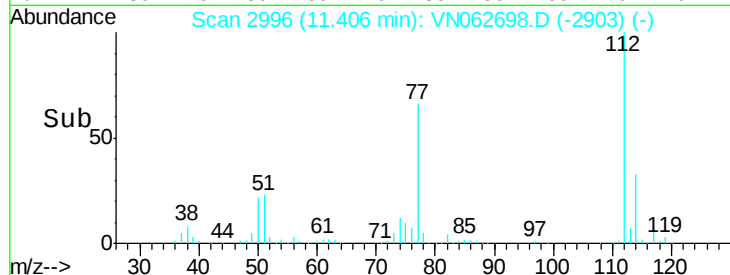
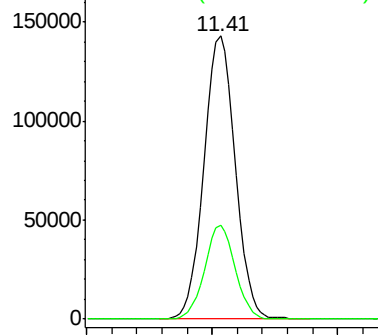
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.822 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

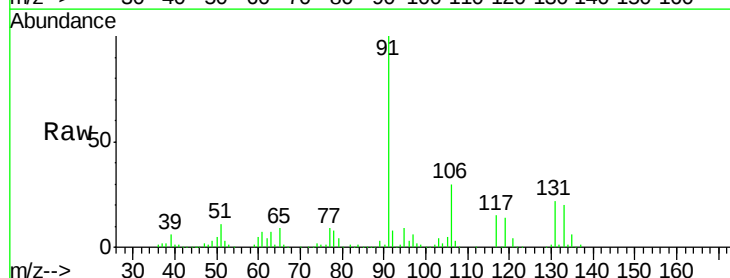
Tgt Ion:131 Resp: 98893

Ion Ratio Lower Upper

131 100

133 94.3 47.3 142.0

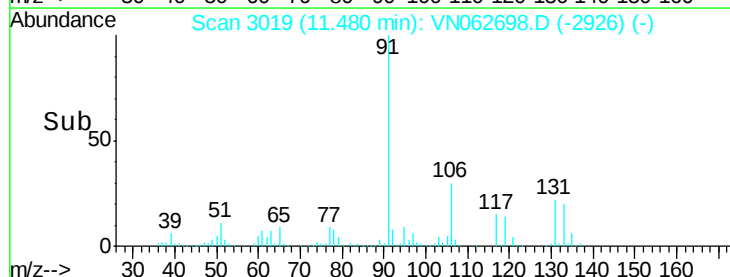
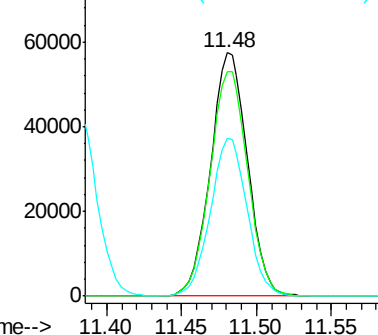
119 64.1 33.7 101.0

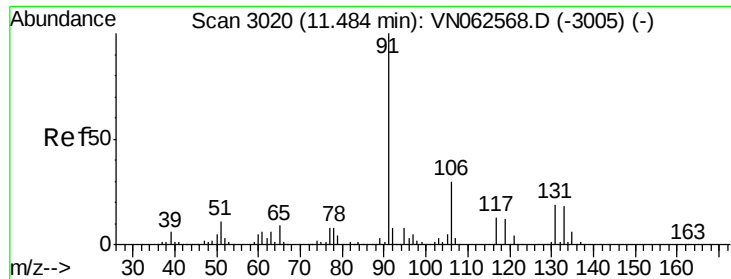


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





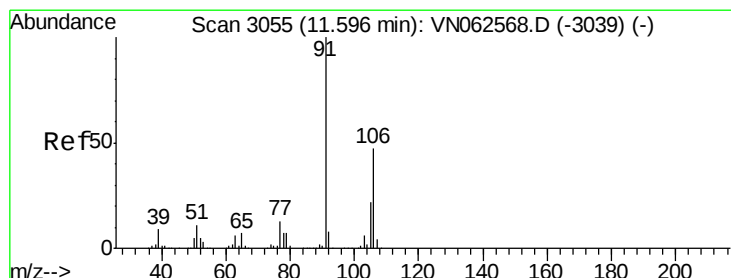
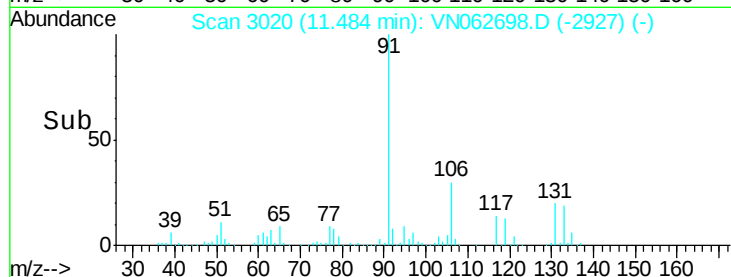
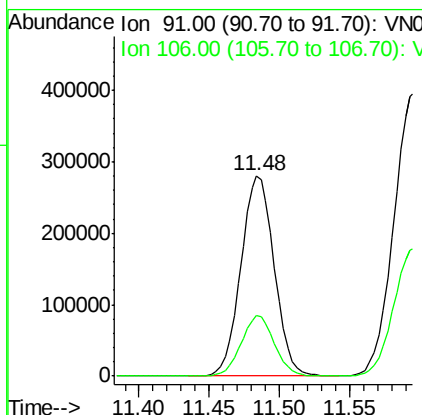
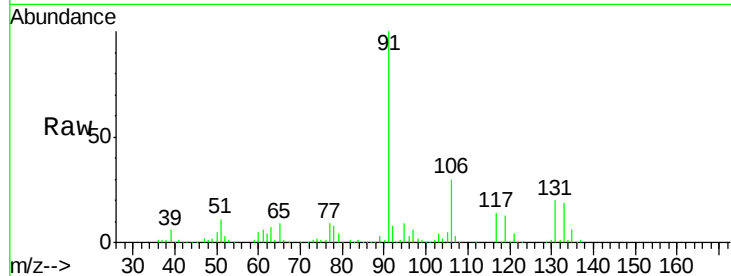
#67
Ethyl Benzene
Concen: 49.000 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 464711
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.8

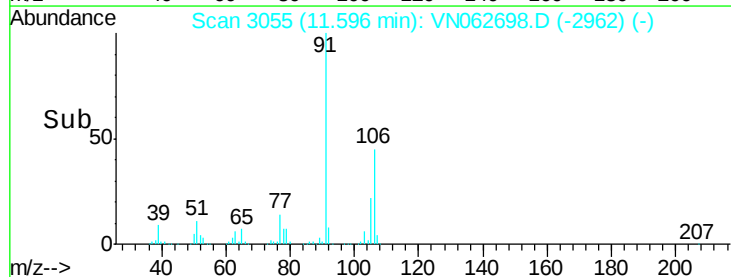
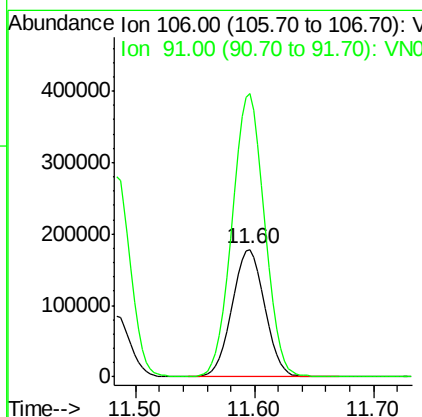
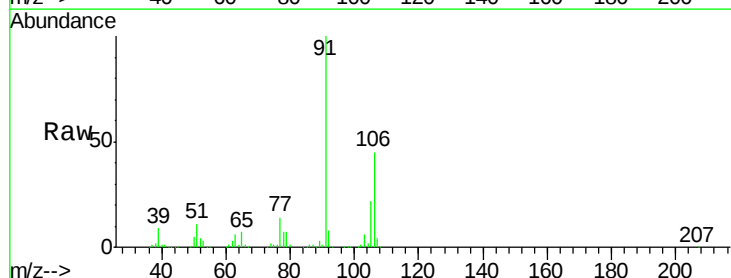
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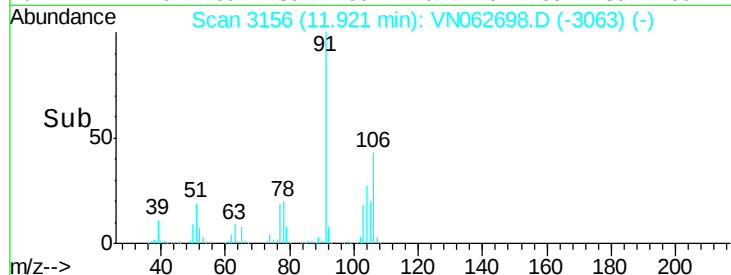
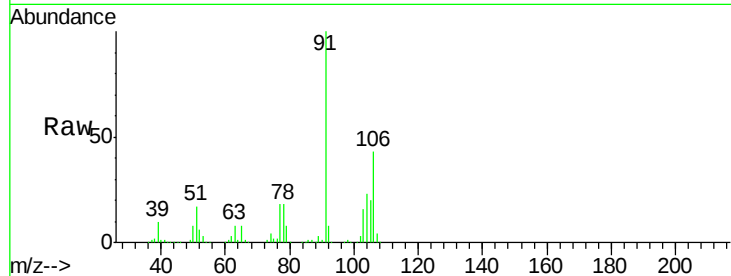
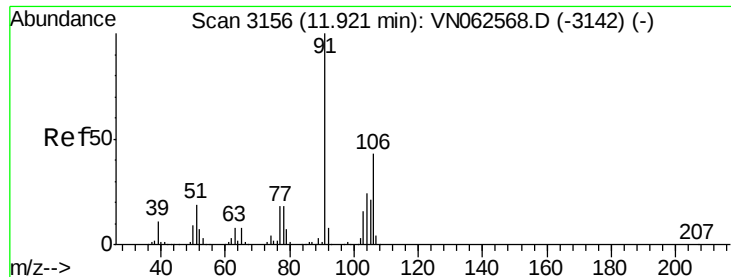
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#68
m/p-Xylenes
Concen: 99.396 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion: 106 Resp: 338814
Ion Ratio Lower Upper
106 100
91 219.9 171.4 257.2





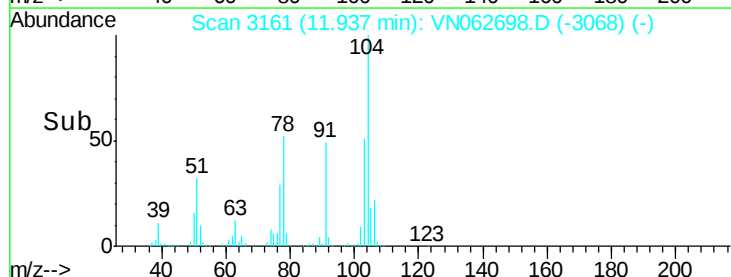
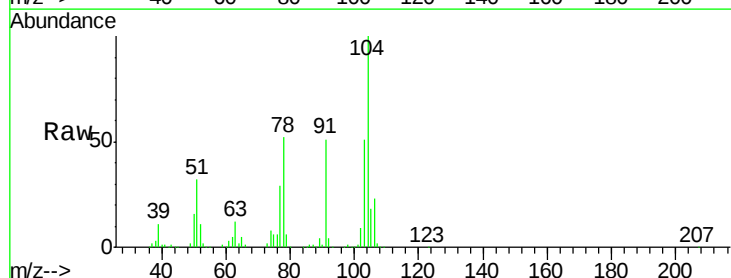
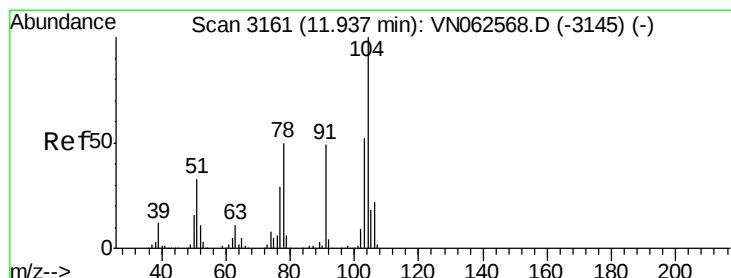
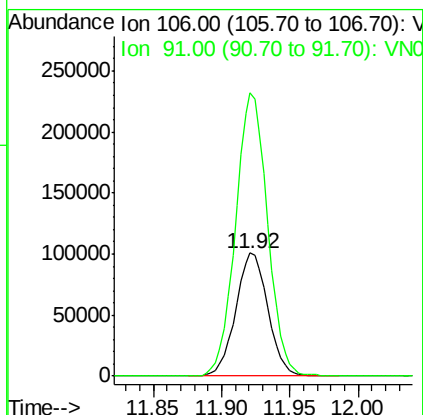
#69
o-Xylene
Concen: 50.827 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 164523
Ion Ratio Lower Upper
106 100
91 229.0 113.8 341.2

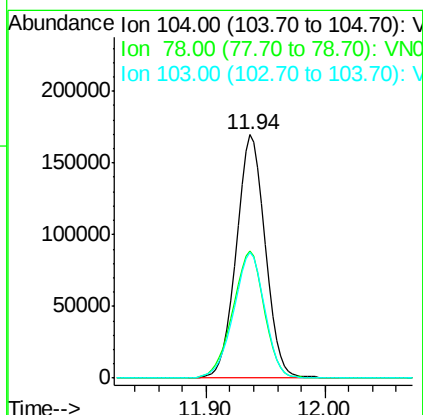
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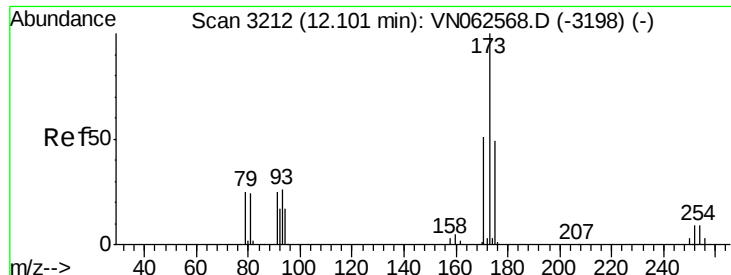
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#70
Styrene
Concen: 52.271 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion:104 Resp: 285815
Ion Ratio Lower Upper
104 100
78 57.0 43.8 65.6
103 55.6 44.0 66.0





#71

Bromoform

Concen: 53.110 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 77594

Ion Ratio Lower Upper

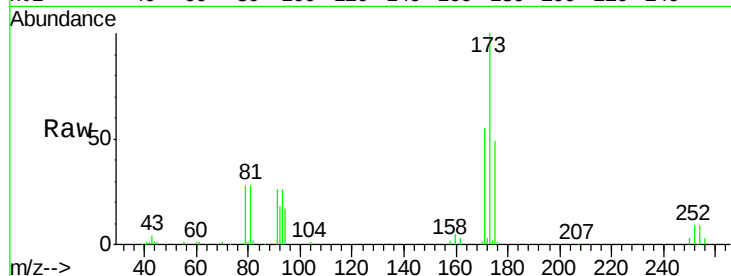
173 100

175 49.9 24.1 72.2

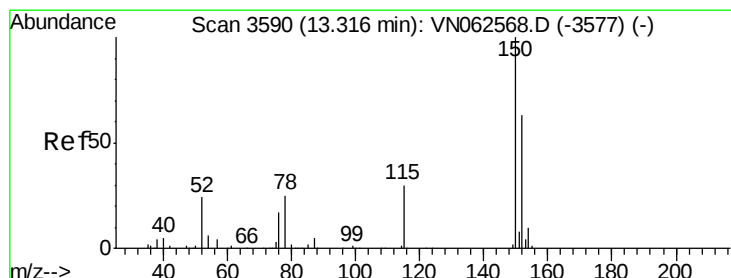
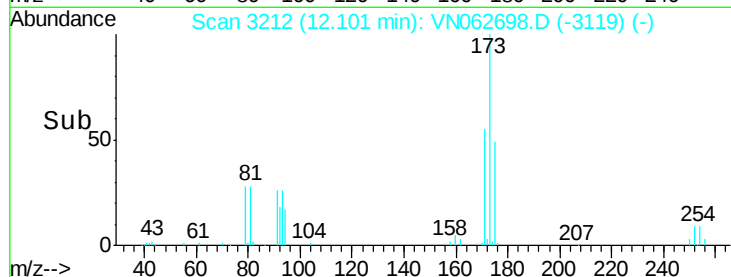
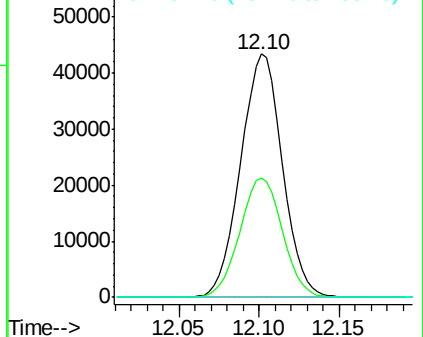
254 0.0 0.0 0.0

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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: VN062698.D

Acq: 31 Jul 2020 20:20

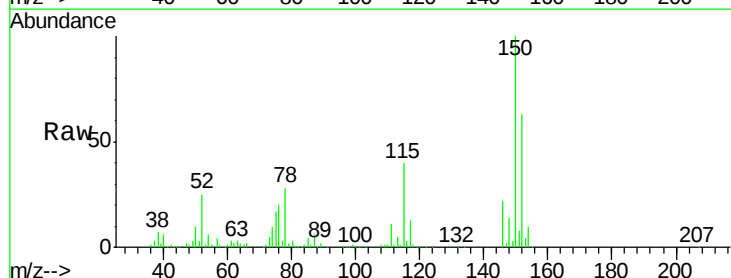
Tgt Ion:152 Resp: 121741

Ion Ratio Lower Upper

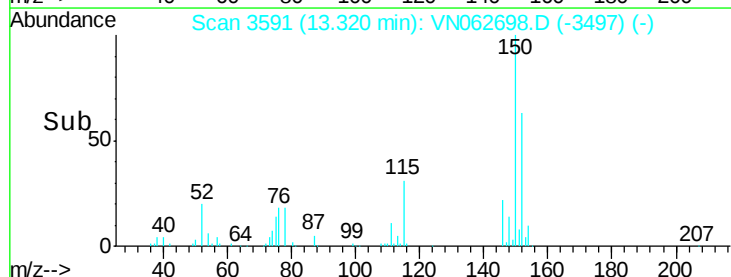
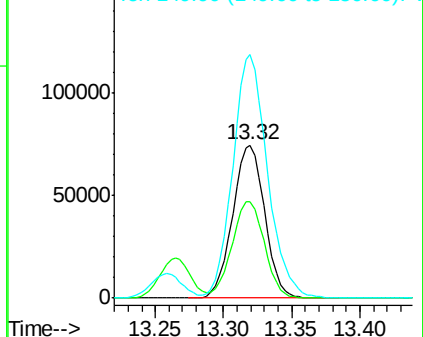
152 100

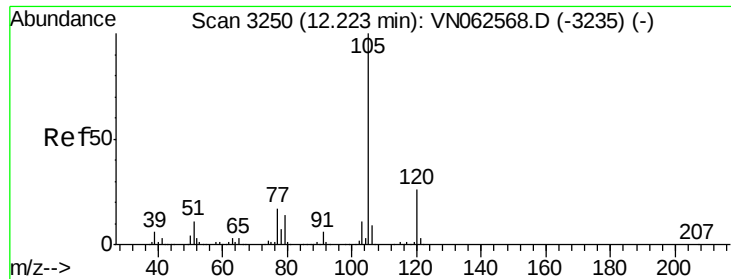
115 64.1 31.8 95.4

150 172.2 0.0 351.4



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





#73

Isopropylbenzene

Concen: 47.353 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 455832

Ion Ratio Lower Upper

105 100

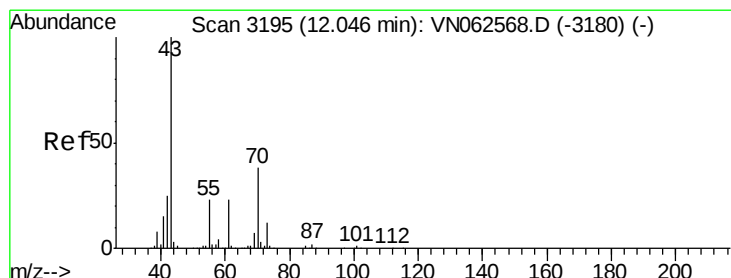
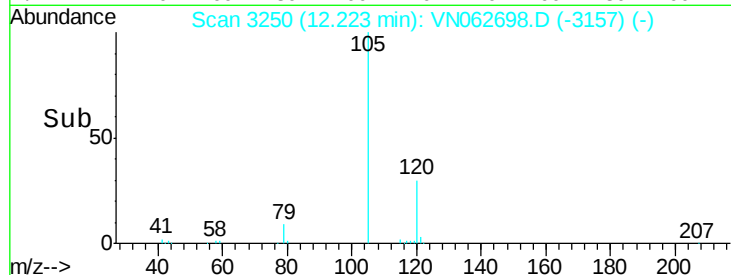
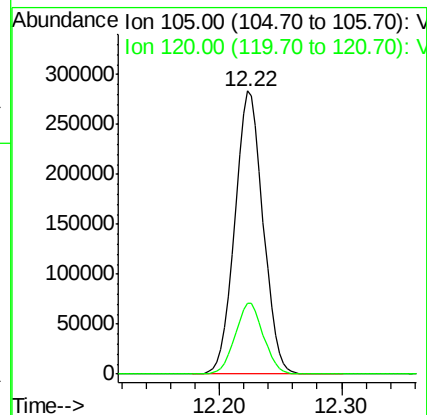
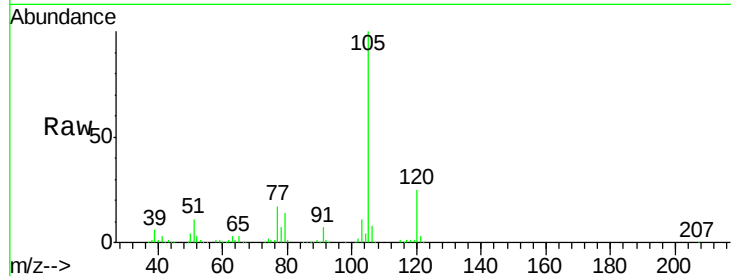
120 25.2 12.8 38.4

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#74

N-ethyl acetate

Concen: 47.977 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Tgt Ion: 43 Resp: 206251

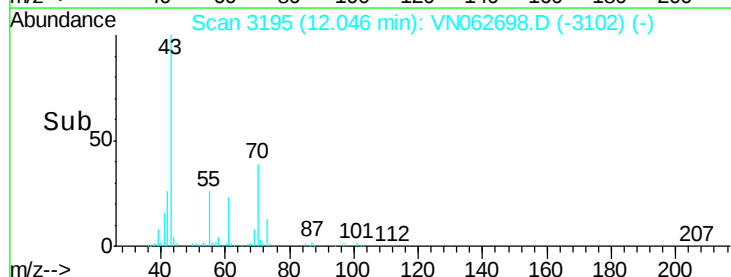
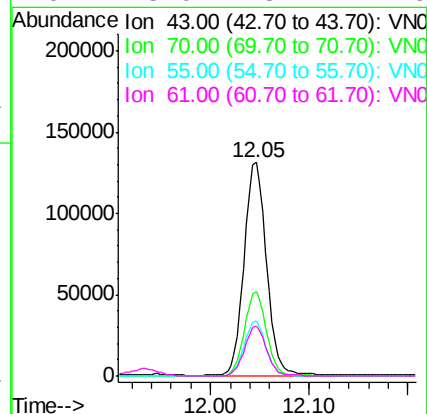
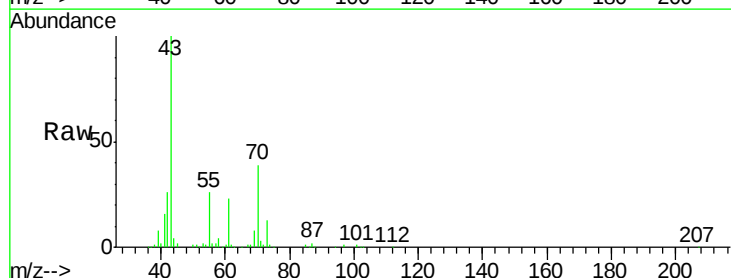
Ion Ratio Lower Upper

43 100

70 38.5 30.5 45.7

55 25.1 19.0 28.6

61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 43.095 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

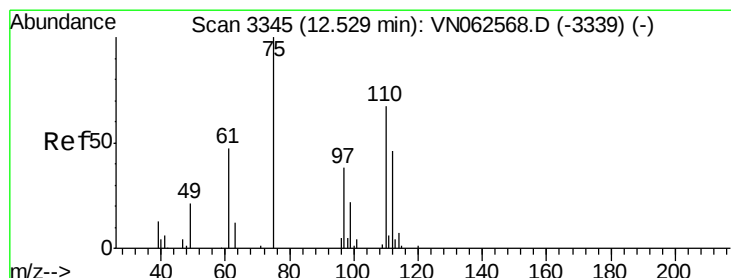
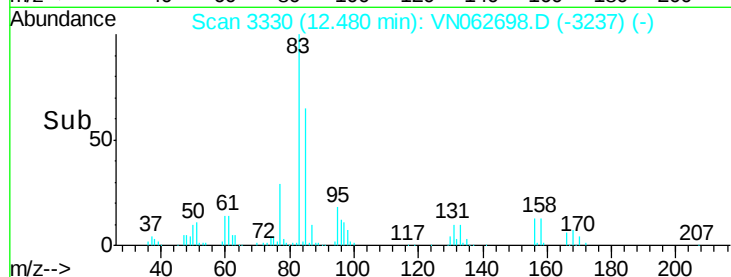
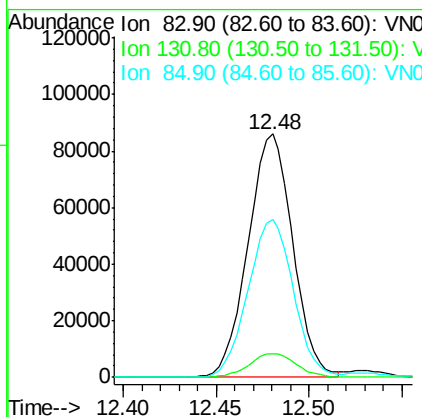
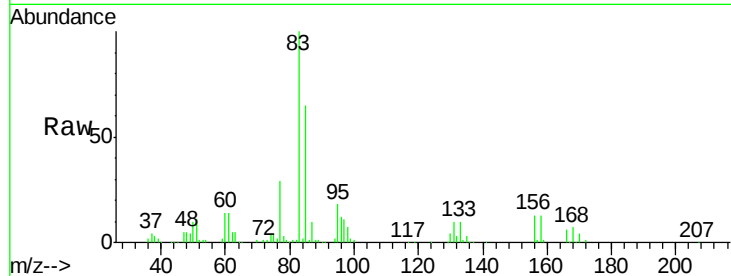
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	144157
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.8	14.3
85	65.8	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 47.587 ug/l m

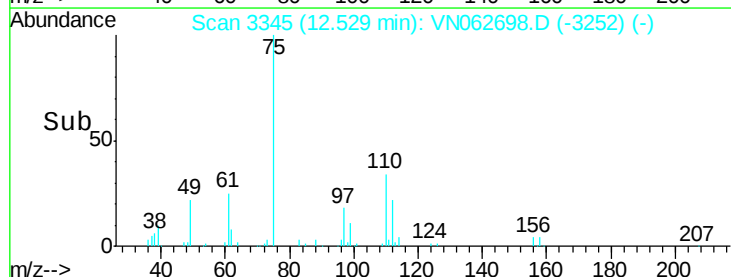
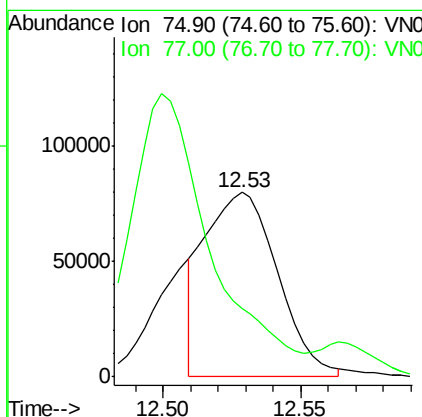
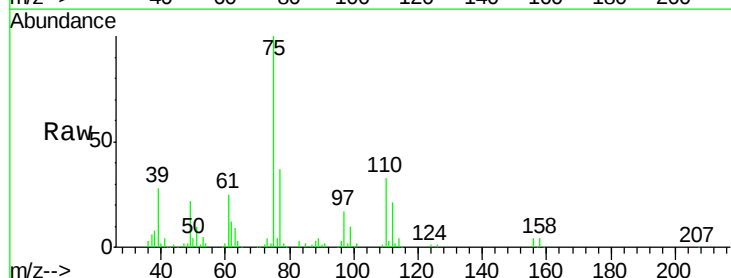
RT: 12.53 min Scan# 3345

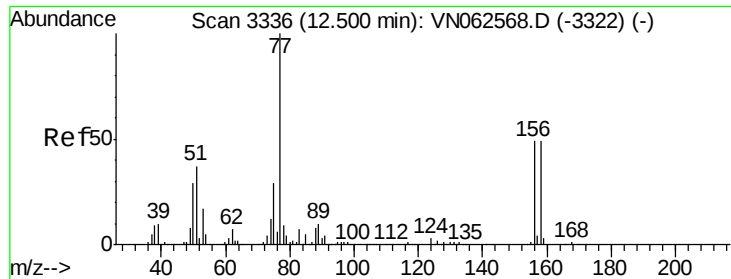
Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Tgt Ion:	75	Resp:	147460
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.316 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

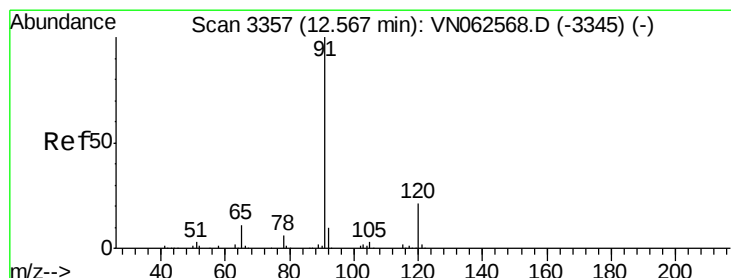
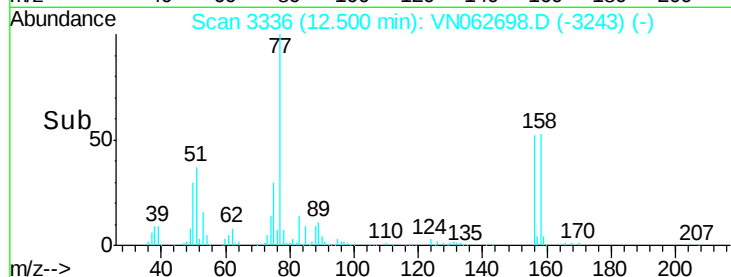
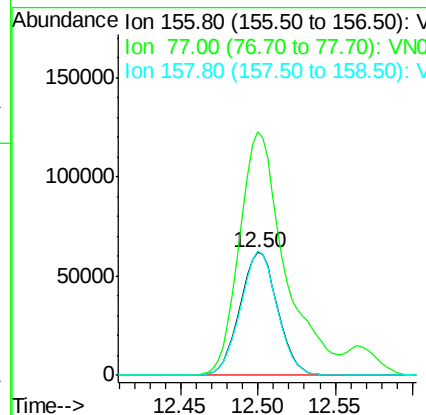
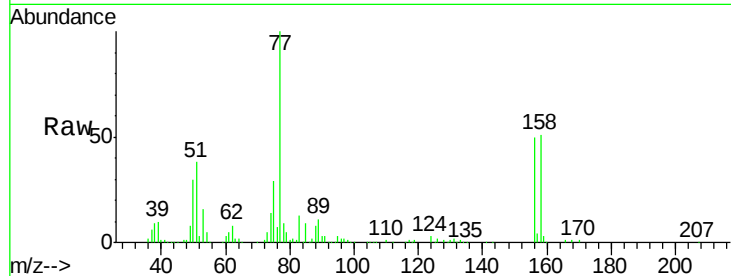
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	239.4	122.8	368.3
158	98.3	49.4	148.0

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#78

n-propylbenzene

Concen: 46.901 ug/l

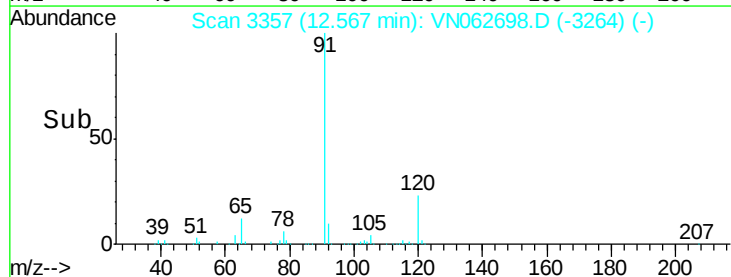
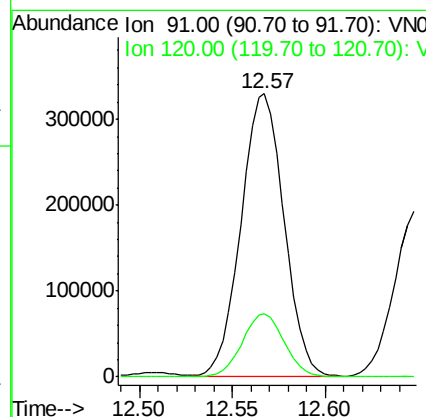
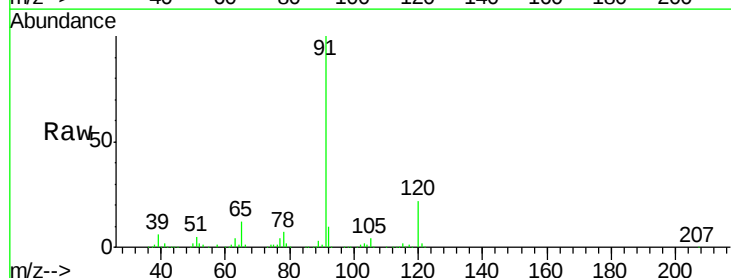
RT: 12.57 min Scan# 3357

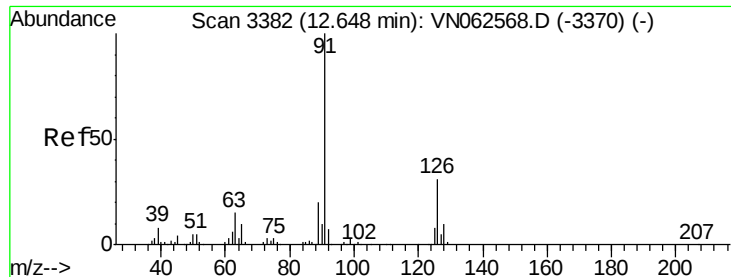
Delta R.T. -0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.6





#79

2-Chlorotoluene

Concen: 46.353 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062698.D

Acq: 31 Jul 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 322106

Ion Ratio Lower Upper

91 100

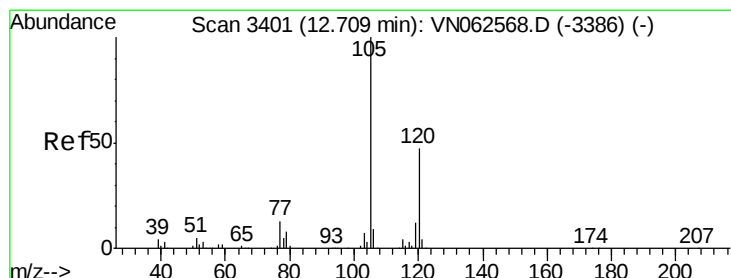
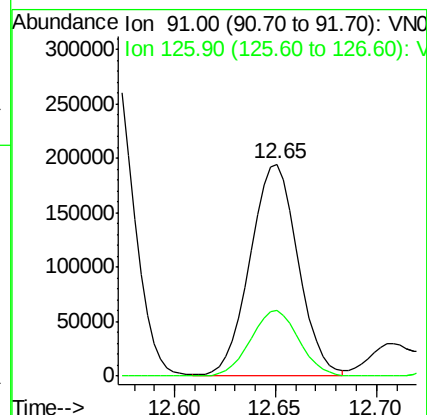
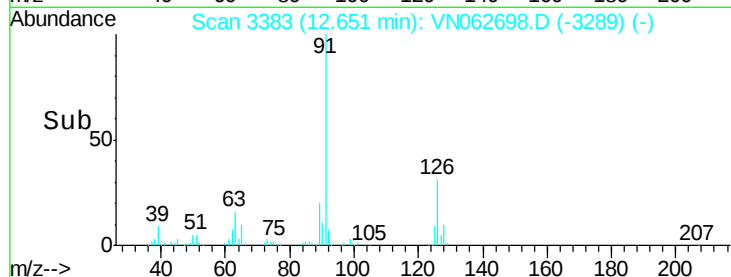
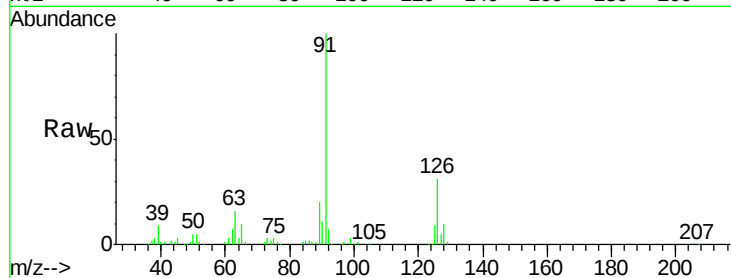
126 31.7 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 50.077 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062698.D

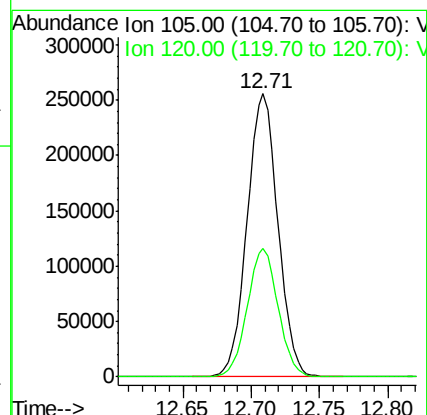
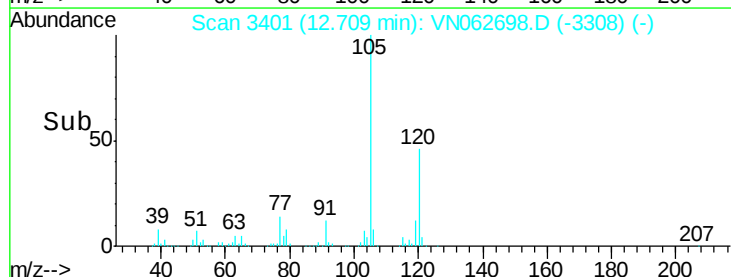
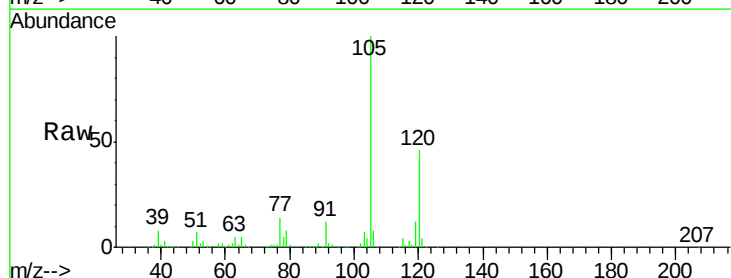
Acq: 31 Jul 2020 20:20

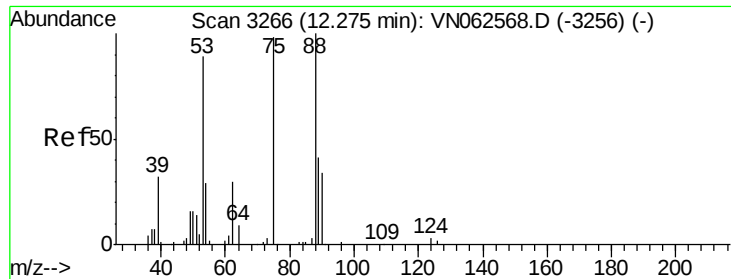
Tgt Ion: 105 Resp: 399857

Ion Ratio Lower Upper

105 100

120 45.6 23.2 69.6





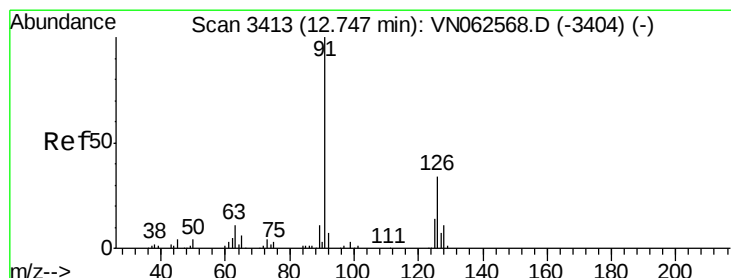
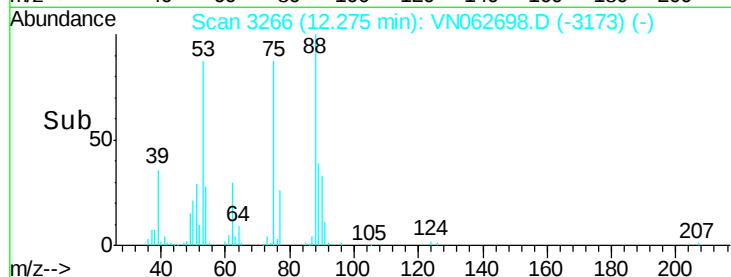
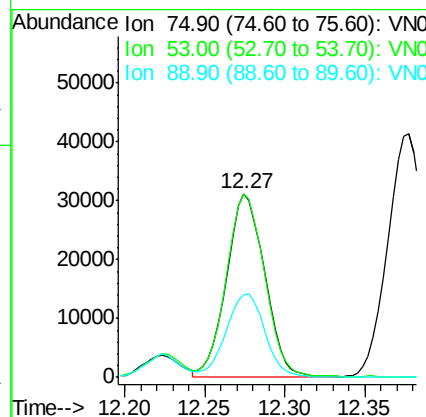
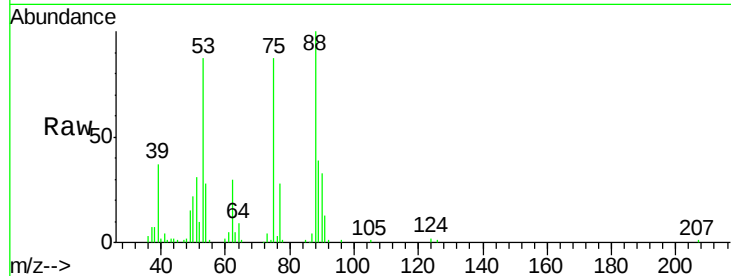
#81
trans-1,4-Dichloro-2-butene
Concen: 45.985 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	75.4	113.0
89	45.8	34.5	51.7

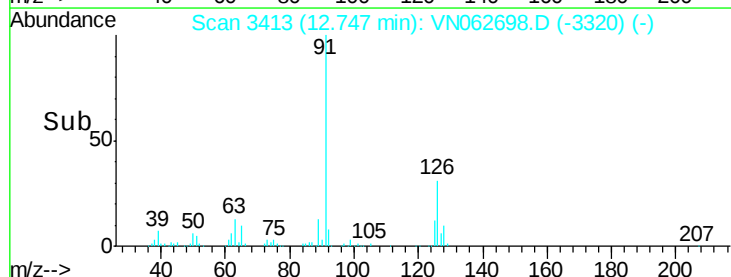
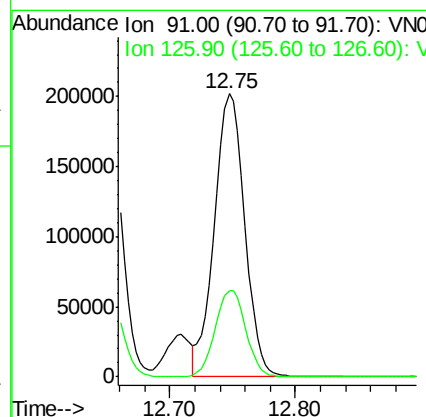
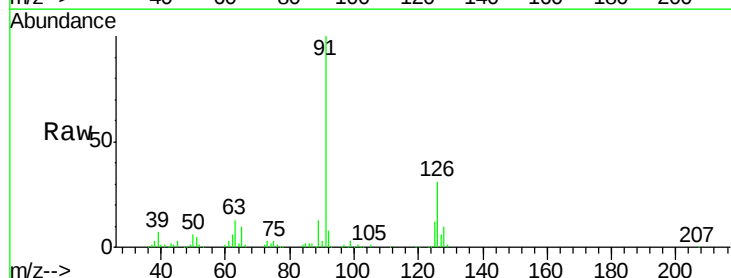
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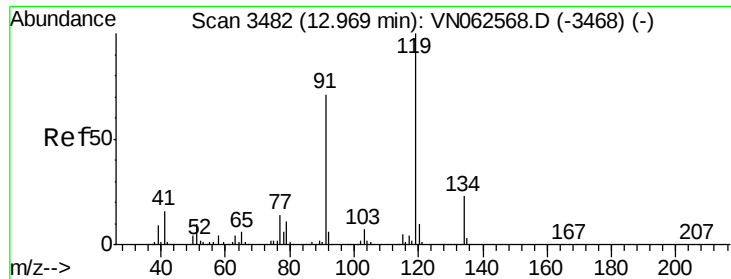
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#82
4-Chlorotoluene
Concen: 46.748 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.4	46.4





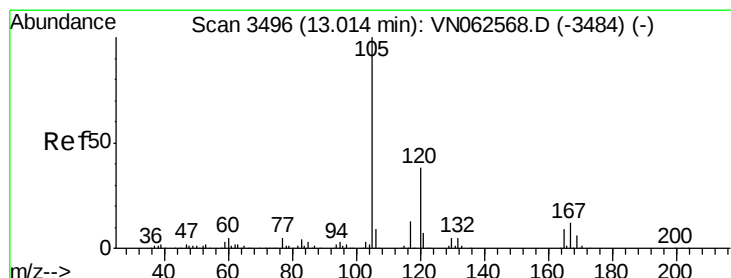
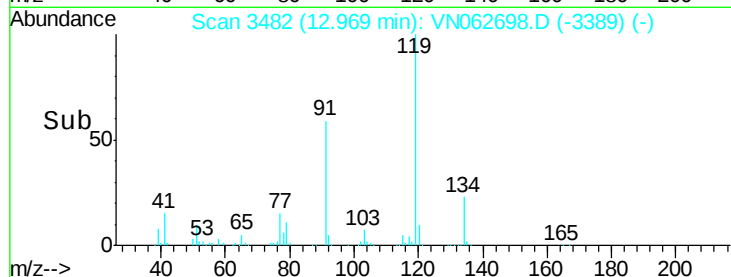
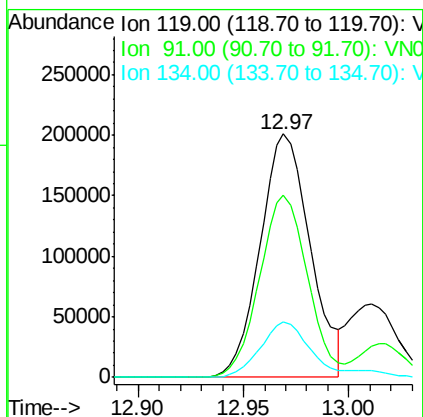
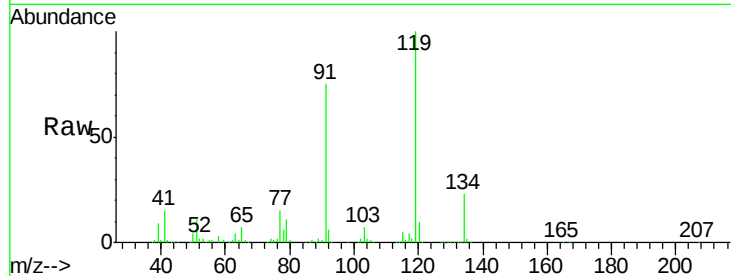
#83
tert-Butylbenzene
Concen: 50.154 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.2	34.6	103.8
134	22.2	11.5	34.4

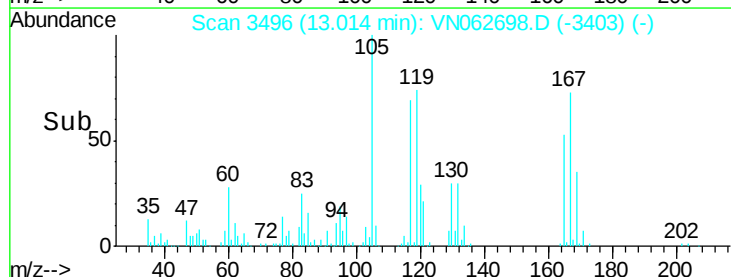
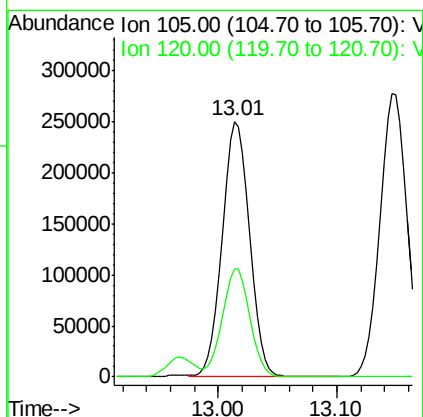
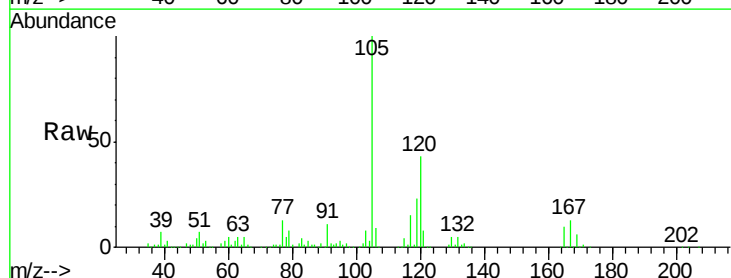
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#84
1,2,4-Trimethylbenzene
Concen: 50.870 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.1	66.3





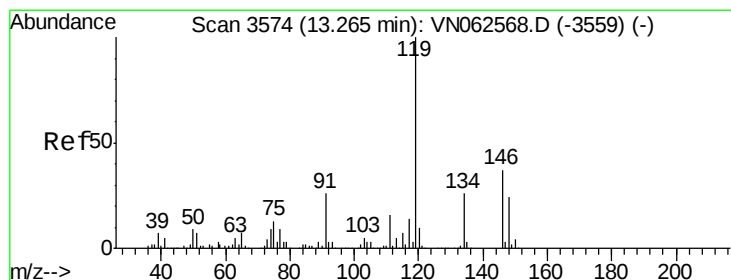
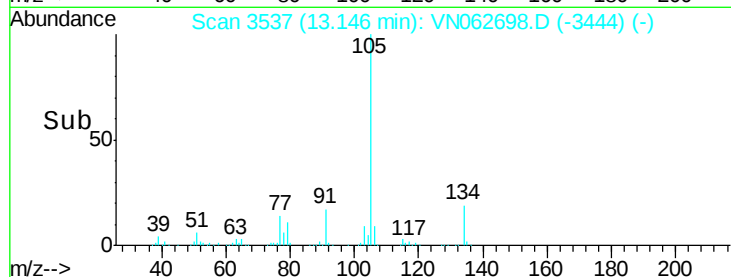
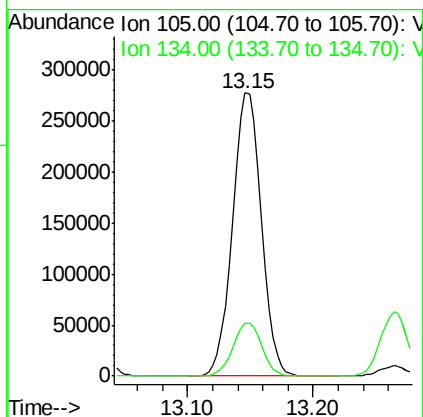
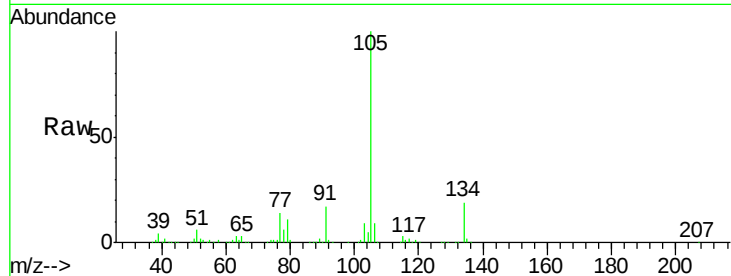
#85
 sec-Butylbenzene
 Concen: 49.749 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.5	28.5

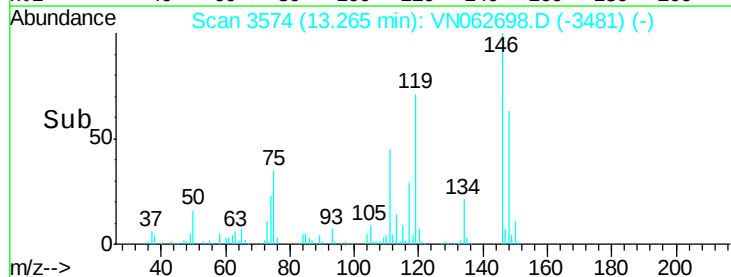
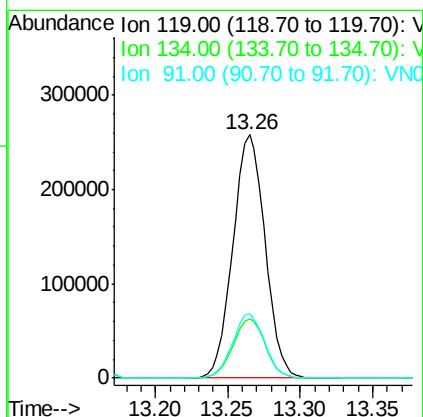
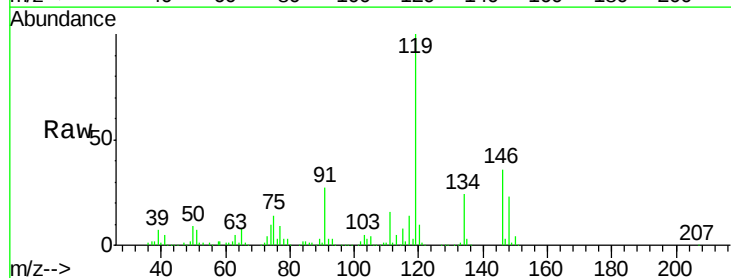
Manual Integrations
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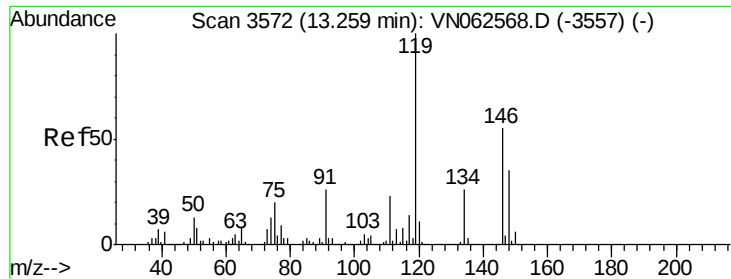
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#86
 p-Isopropyltoluene
 Concen: 51.988 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.5	12.8	38.4
91	26.3	12.7	38.1





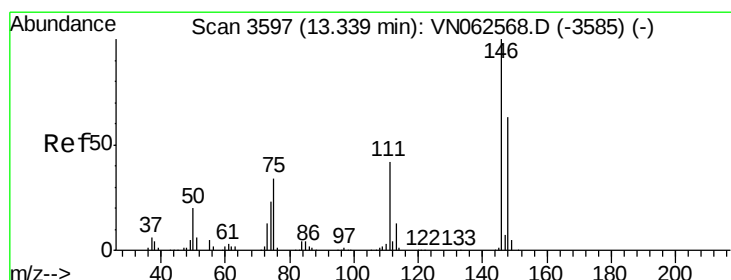
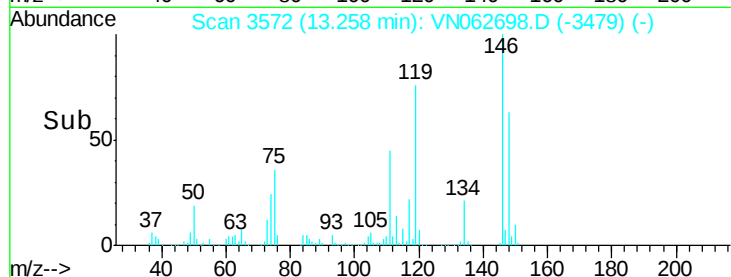
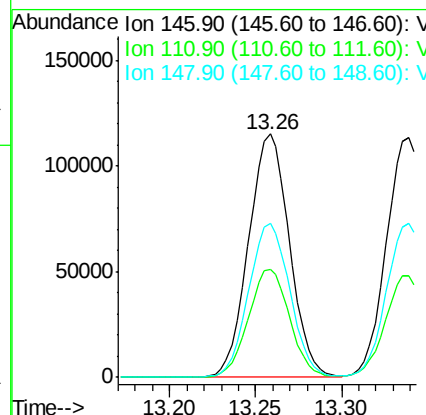
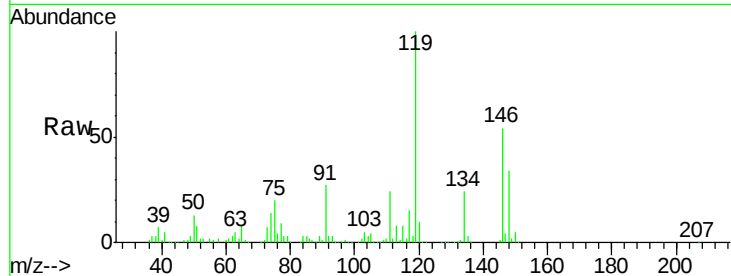
#87
 1,3-Dichlorobenzene
 Concen: 46.926 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	190501		
111	44.7	21.6	64.6	
148	63.9	31.8	95.4	

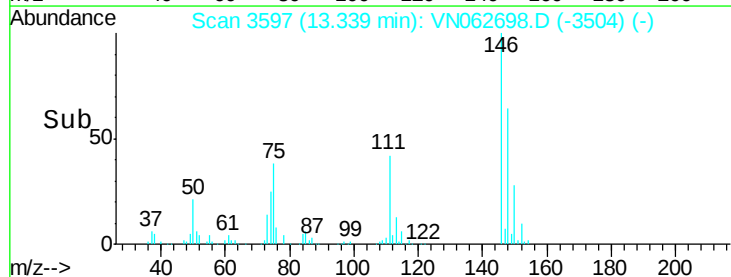
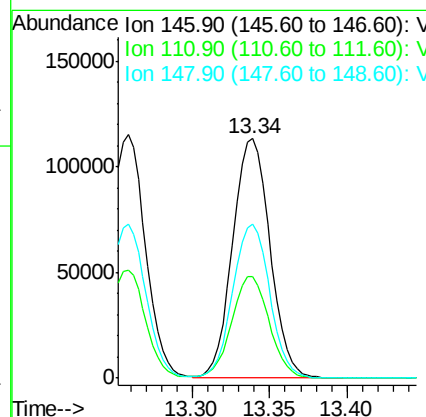
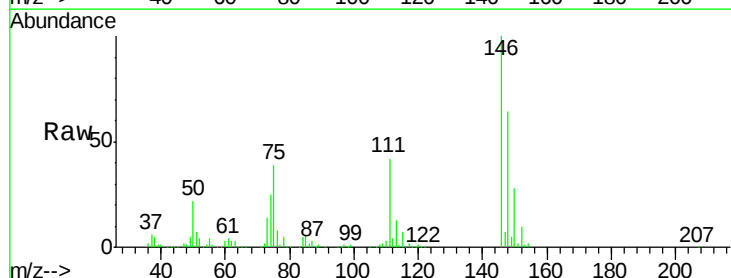
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#88
 1,4-Dichlorobenzene
 Concen: 47.386 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	189369		
111	42.7	21.1	63.1	
148	63.7	31.6	94.8	





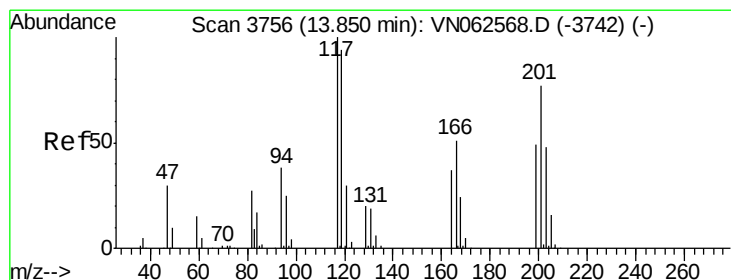
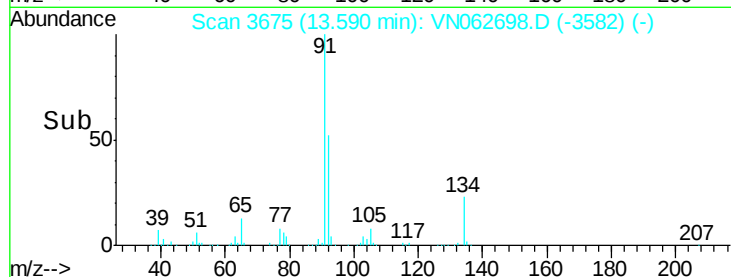
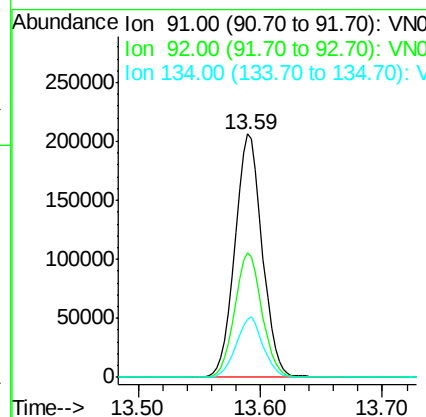
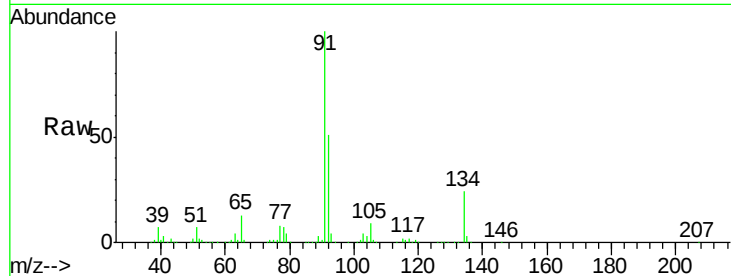
#89
n-Butylbenzene
Concen: 49.028 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.8	77.3
134	24.2	11.8	35.3

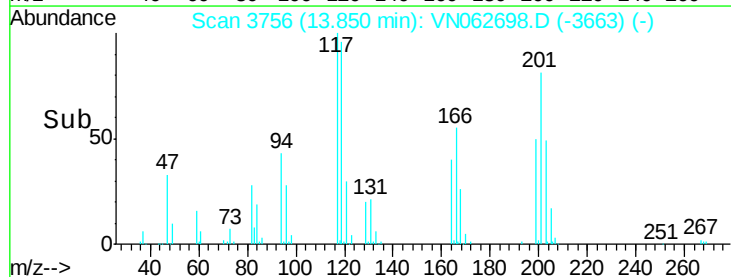
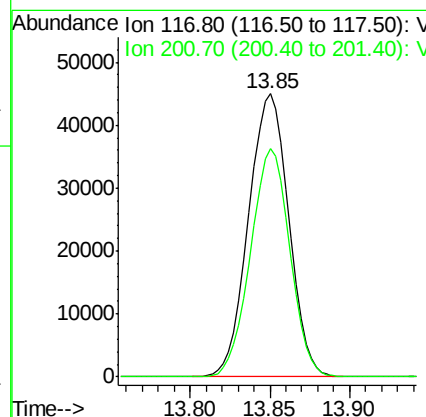
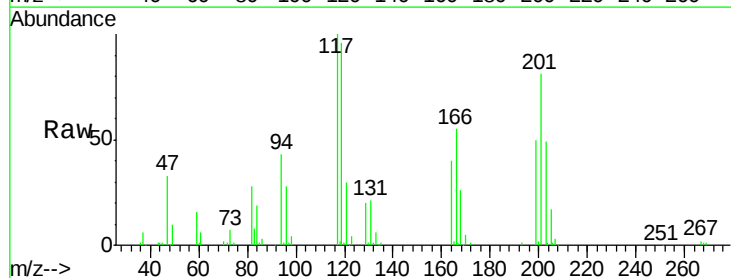
Manual Integrations
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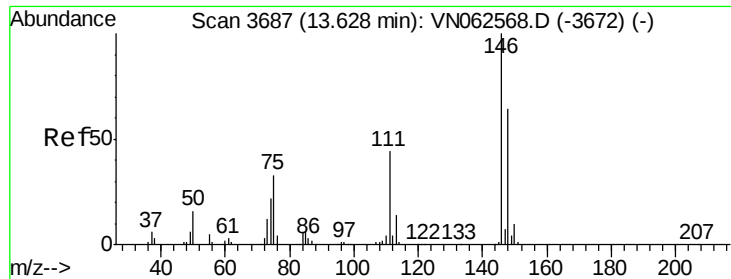
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#90
Hexachloroethane
Concen: 47.558 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	39.2	117.6





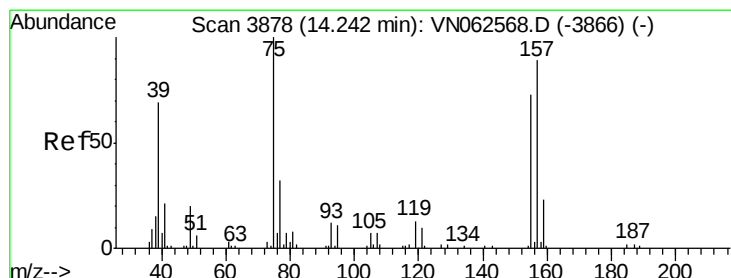
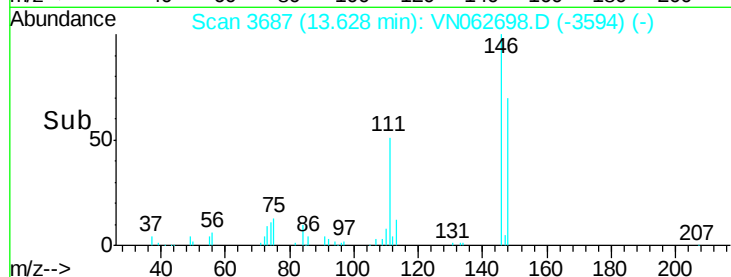
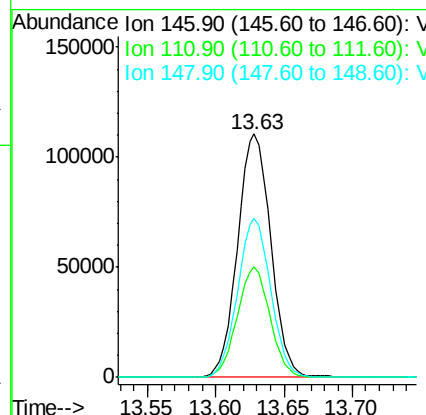
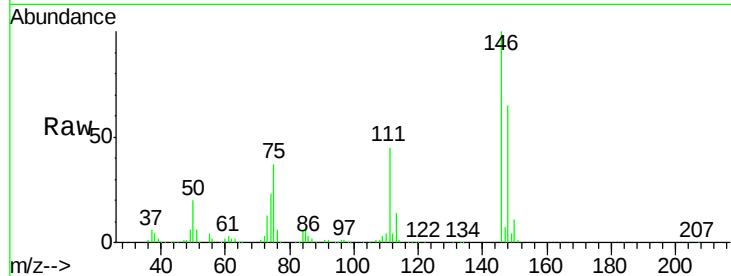
#91
 1,2-Dichlorobenzene
 Concen: 48.295 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.9	65.8
148	64.7	31.6	94.7

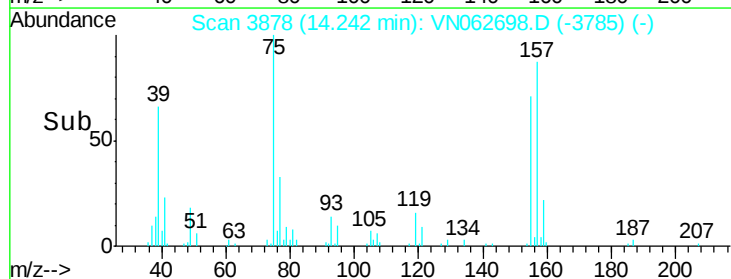
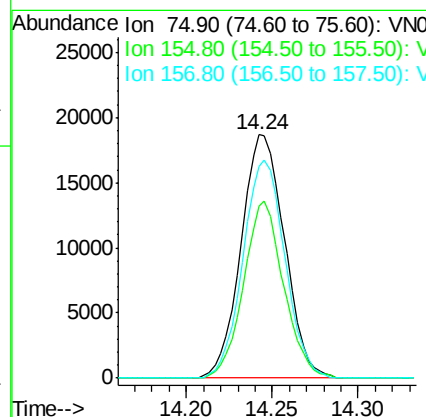
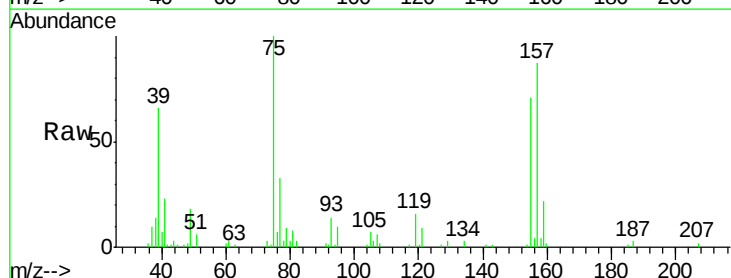
Manual Integrations
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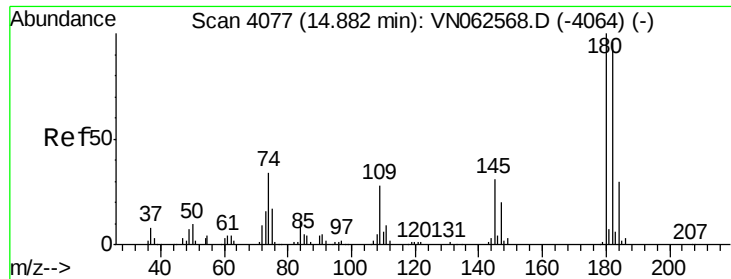
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.120 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.8	35.9	107.5
157	86.4	45.0	135.0





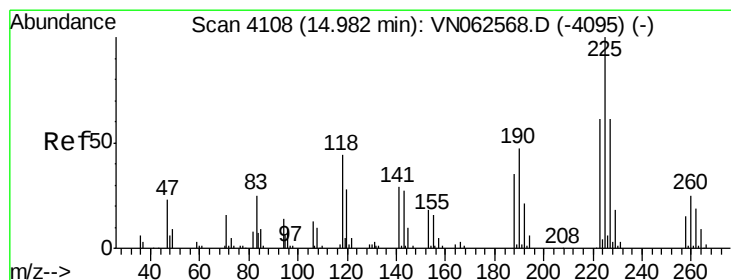
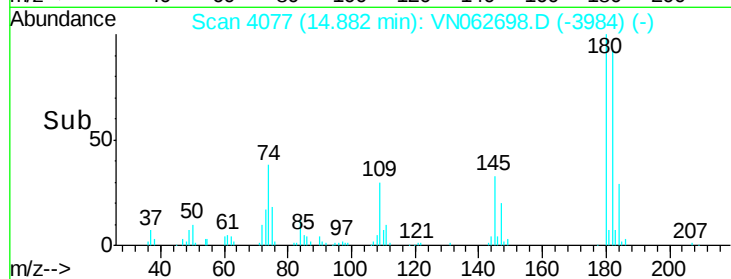
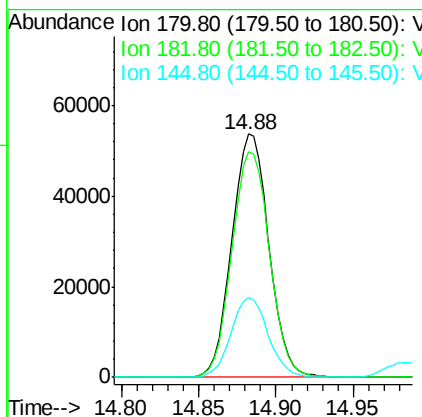
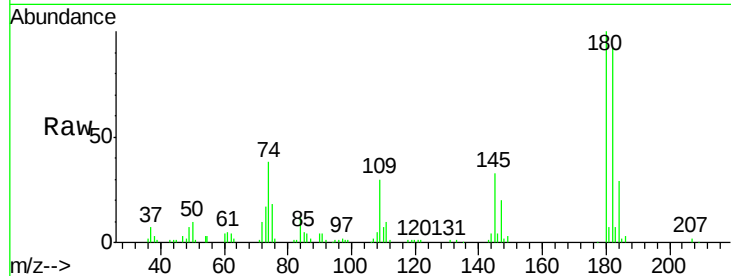
#93
 1,2,4-Trichlorobenzene
 Concen: 44.144 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.8	143.3
145	32.7	15.3	45.9

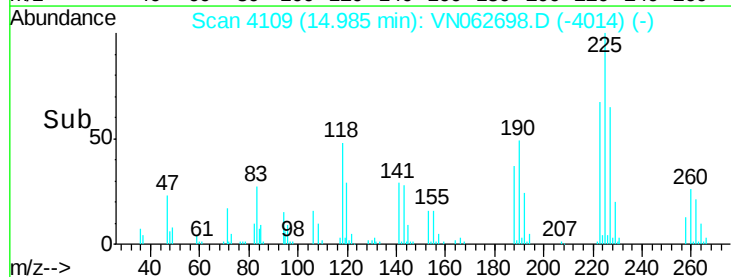
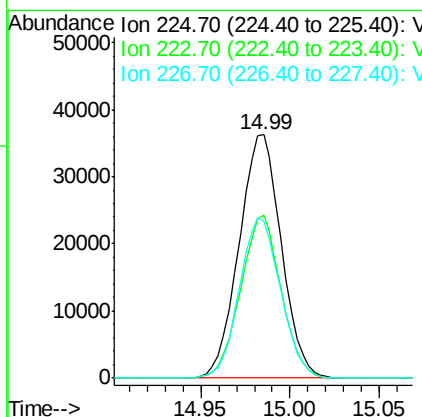
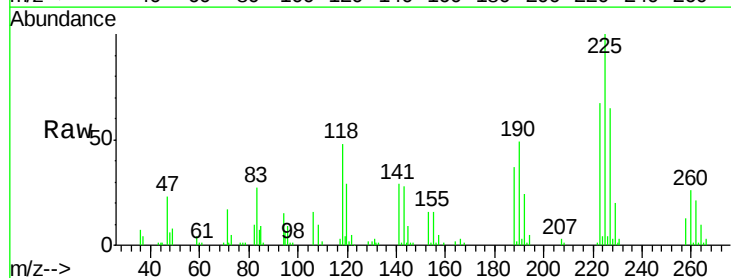
Manual Integrations
 APPROVED

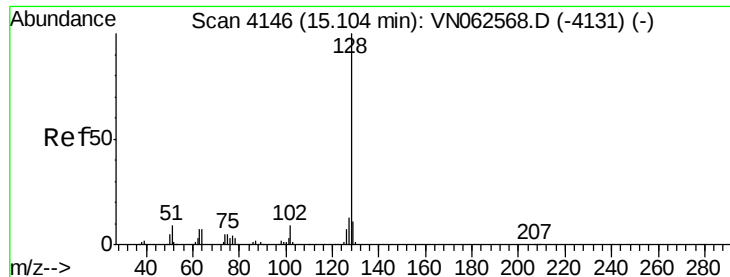
MMDadoda
 8/3/2020 9:32:13 AM



#94
 Hexachlorobutadiene
 Concen: 57.199 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062698.D
 Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.0	96.0
227	64.2	31.1	93.2





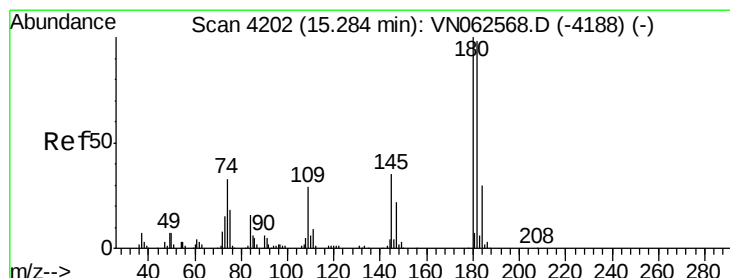
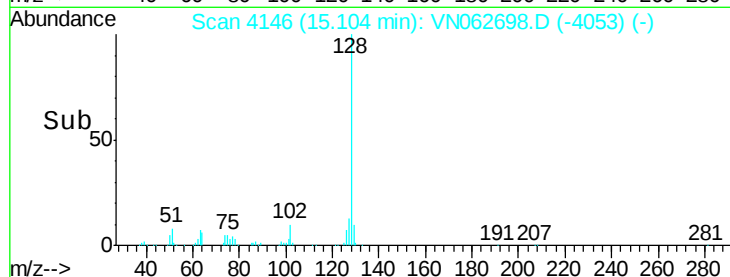
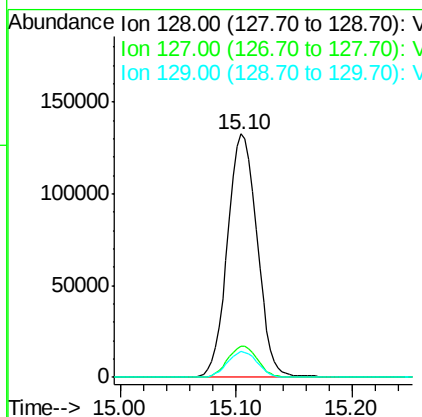
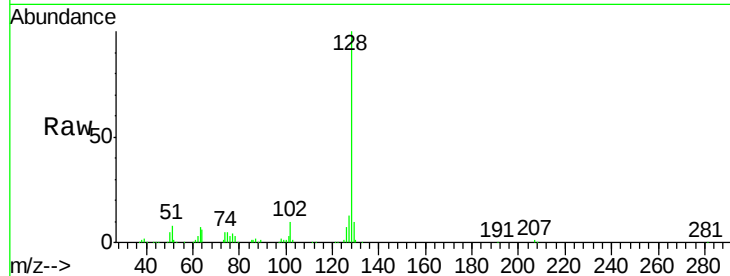
#95
Naphthalene
Concen: 44.038 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/3/2020 9:32:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.601 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062698.D
Acq: 31 Jul 2020 20:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.3
145	34.3	16.7	50.1

