

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082420\
 Data File : VN063102.D
 Acq On : 24 Aug 2020 17:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/25/2020 12:14:05 PM

Quant Time: Aug 25 02:07:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	183306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	286523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	257234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	122188	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	116983	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
35) Dibromofluoromethane	7.54	113	95798	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.06	98	360082	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.38	95	122099	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	108501	45.332	ug/l	100
3) Chloromethane	2.04	50	118874	47.297	ug/l	100
4) Vinyl Chloride	2.16	62	118491	48.749	ug/l	98
5) Bromomethane	2.49	94	39249	27.205	ug/l	98
6) Chloroethane	2.58	64	34873	24.300	ug/l	99
7) Trichlorofluoromethane	2.89	101	148207	48.894	ug/l	96
8) Diethyl Ether	3.36	74	54201	50.545	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.66	101	74506	45.615	ug/l	98
10) Methyl Iodide	3.87	142	89332	43.149	ug/l	99
11) Tert butyl alcohol	4.82	59	35928m	116.753	ug/l	
12) 1,1-Dichloroethene	3.64	96	70063	45.028	ug/l	98
13) Acrolein	3.56	56	6772	70.247	ug/l	92
14) Allyl chloride	4.24	41	129683	47.270	ug/l	99
15) Acrylonitrile	4.93	53	233029	257.641	ug/l	99
16) Acetone	3.79	43	153861	226.745	ug/l	99
17) Carbon Disulfide	3.96	76	172739	42.391	ug/l	98
18) Methyl Acetate	4.28	43	118364	54.824	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	298659	55.039	ug/l	99
20) Methylene Chloride	4.48	84	93059	48.545	ug/l	98
21) trans-1,2-Dichloroethene	4.96	96	77238	47.434	ug/l	97
22) Diisopropyl ether	5.91	45	337685	54.241	ug/l	96
23) Vinyl Acetate	5.84	43	1093762	260.349	ug/l	100
24) 1,1-Dichloroethane	5.78	63	173560	49.889	ug/l	99
25) 2-Butanone	6.80	43	262635	227.706	ug/l	96
26) 2,2-Dichloropropane	6.76	77	116641	42.632	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	99031	48.521	ug/l	99
28) Bromochloromethane	7.15	49	94203	51.752	ug/l	97
29) Tetrahydrofuran	7.17	42	188218	252.845	ug/l	100
30) Chloroform	7.32	83	174306	49.749	ug/l	100
31) Cyclohexane	7.60	56	148936	46.514	ug/l	97
32) 1,1,1-Trichloroethane	7.52	97	141591	49.500	ug/l	98
36) 1,1-Dichloropropene	7.74	75	113611	44.995	ug/l	99
37) Ethyl Acetate	6.89	43	116586	49.277	ug/l	99
38) Carbon Tetrachloride	7.73	117	115697	45.386	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	133576	39.522	ug/l	98
40) Benzene	8.00	78	378353	47.245	ug/l	99
41) Methacrylonitrile	7.13	41	55687	49.400	ug/l	95
42) 1,2-Dichloroethane	8.08	62	130741	48.621	ug/l	99
43) Isopropyl Acetate	8.13	43	192430	49.094	ug/l #	91
44) Trichloroethene	8.80	130	89503	44.930	ug/l	97
45) 1,2-Dichloropropane	9.08	63	110377	47.681	ug/l	98
46) Dibromomethane	9.18	93	65089	48.672	ug/l	99
47) Bromodichloromethane	9.37	83	139791	47.727	ug/l	99
48) Methyl methacrylate	9.17	41	94770	51.101	ug/l	97
49) 1,4-Dioxane	9.18	88	9318	240.123	ug/l #	76
51) 4-Methyl-2-Pentanone	9.96	43	600817	242.504	ug/l	99
52) Toluene	10.12	92	230112	47.633	ug/l	100
53) t-1,3-Dichloropropene	10.36	75	146146	48.250	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	160718	48.370	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	96852	46.887	ug/l	97
56) Ethyl methacrylate	10.41	69	140244	44.169	ug/l	99
57) 1,3-Dichloropropane	10.68	76	164163	47.859	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	212951	273.355	ug/l	99
59) 2-Hexanone	10.73	43	413676	239.374	ug/l	99
60) Dibromochloromethane	10.88	129	105143	45.994	ug/l	99
61) 1,2-Dibromoethane	10.98	107	96010	48.372	ug/l	100
64) Tetrachloroethene	10.60	164	77385	45.765	ug/l	99
65) Chlorobenzene	11.41	112	242362	46.913	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	96766	48.156	ug/l	99
67) Ethyl Benzene	11.49	91	433869	49.702	ug/l	99
68) m/p-Xylenes	11.60	106	323674	99.763	ug/l	99
69) o-Xylene	11.92	106	158134	50.756	ug/l	100
70) Styrene	11.94	104	274229	44.571	ug/l	99
71) Bromoform	12.10	173	77074	48.188	ug/l #	100
73) Isopropylbenzene	12.23	105	415739	49.685	ug/l	100
74) N-amyl acetate	12.05	43	174073	58.086	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	141387	52.446	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	123330m	51.927	ug/l	
77) Bromobenzene	12.50	156	107898	46.886	ug/l	96
78) n-propylbenzene	12.57	91	471307	49.417	ug/l	100
79) 2-Chlorotoluene	12.65	91	286989	47.840	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	340895	49.284	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	44629	51.608	ug/l	97
82) 4-Chlorotoluene	12.75	91	292586	47.899	ug/l	99
83) tert-Butylbenzene	12.97	119	288060	48.251	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	319299	47.384	ug/l	98
85) sec-Butylbenzene	13.15	105	372581	46.178	ug/l	100
86) p-Isopropyltoluene	13.27	119	317943	45.225	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	188997	47.787	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	186988	46.582	ug/l	99
89) n-Butylbenzene	13.59	91	240740	36.898	ug/l	100
90) Hexachloroethane	13.85	117	65735	43.991	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	188600	49.368	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	25740	61.081	ug/l	99

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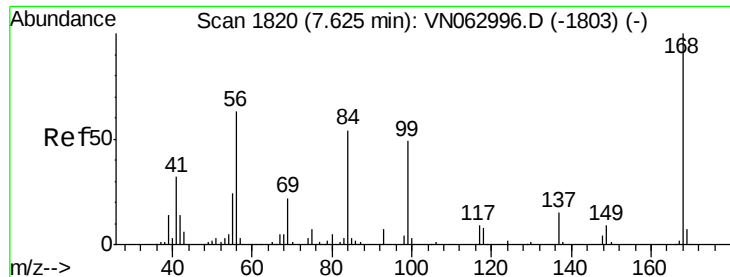
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	96337	45.902	ug/l	98
94) Hexachlorobutadiene	14.99	225	51656	36.591	ug/l	98
95) Naphthalene	15.11	128	256764	52.366	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	97585	47.245	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 183306

Ion Ratio Lower Upper

168 100

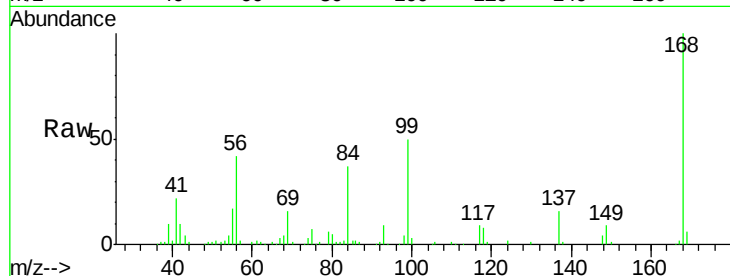
99 50.0 42.0 63.0

Manual Integrations

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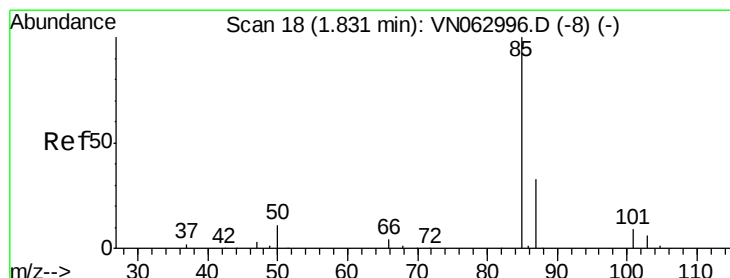
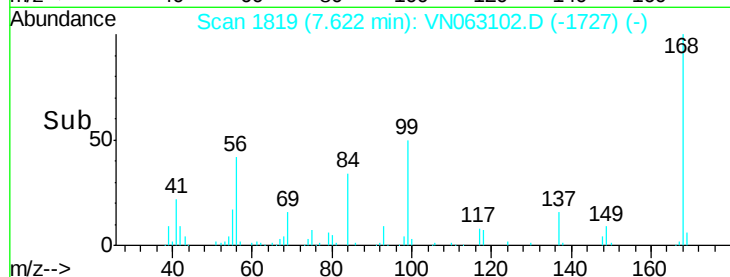
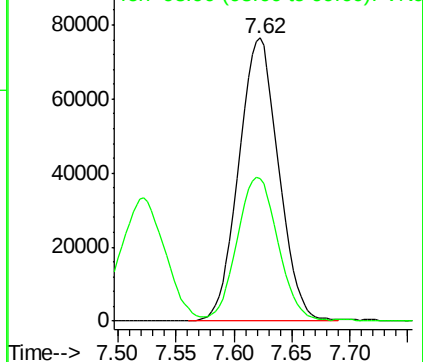
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 45.332 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063102.D

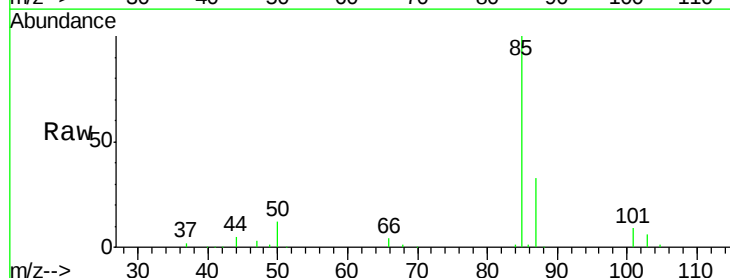
Acq: 24 Aug 2020 17:53

Tgt Ion: 85 Resp: 108501

Ion Ratio Lower Upper

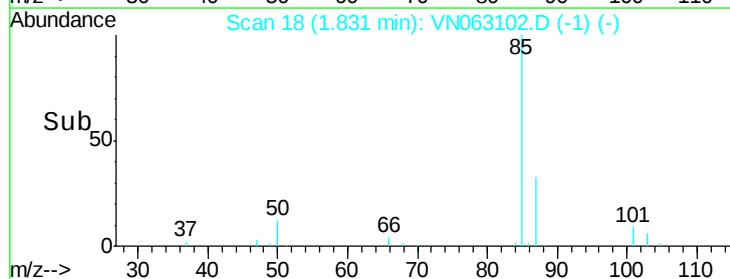
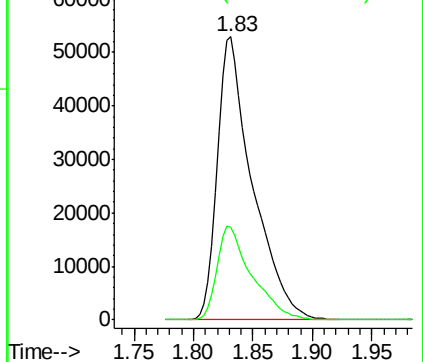
85 100

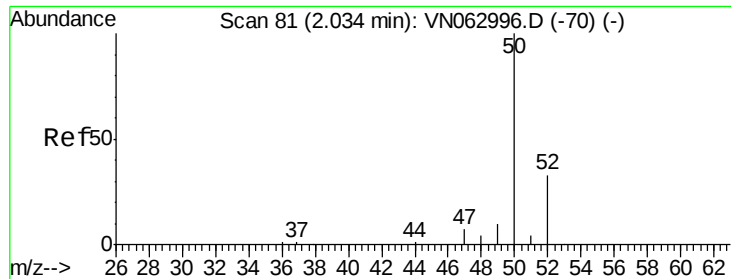
87 32.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 47.297 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 118874

Ion Ratio Lower Upper

50 100

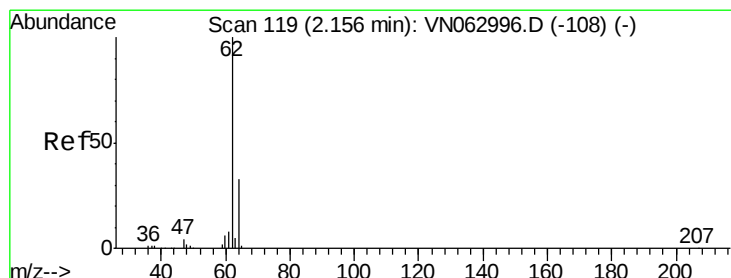
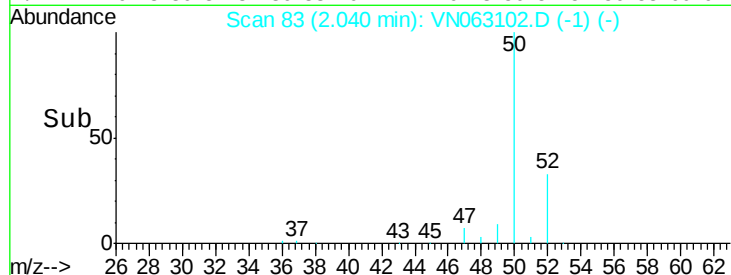
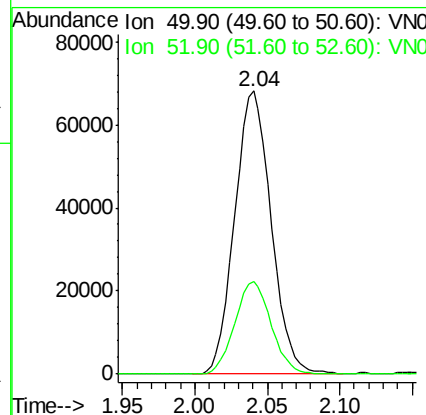
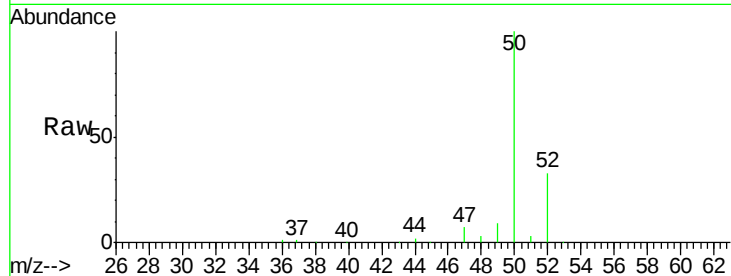
52 32.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.749 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.01 min

Lab File: VN063102.D

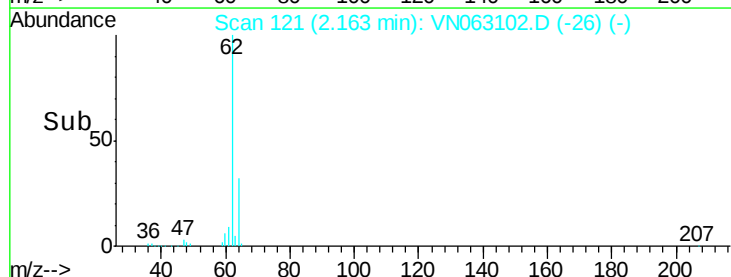
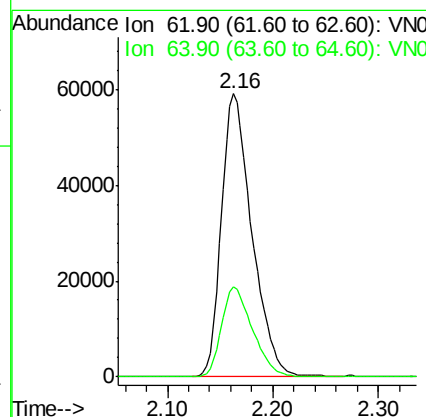
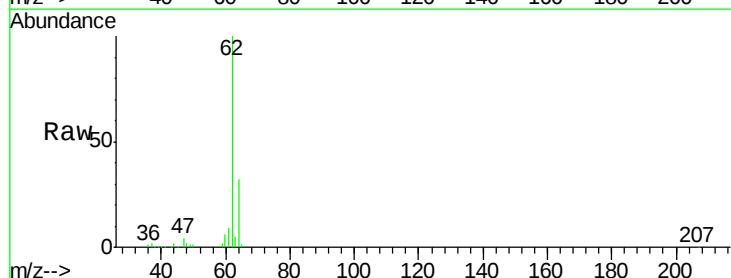
Acq: 24 Aug 2020 17:53

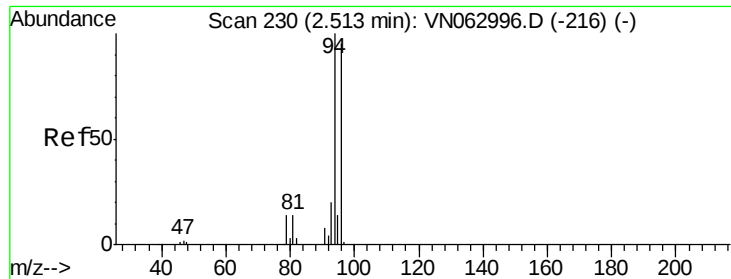
Tgt Ion: 62 Resp: 118491

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.2





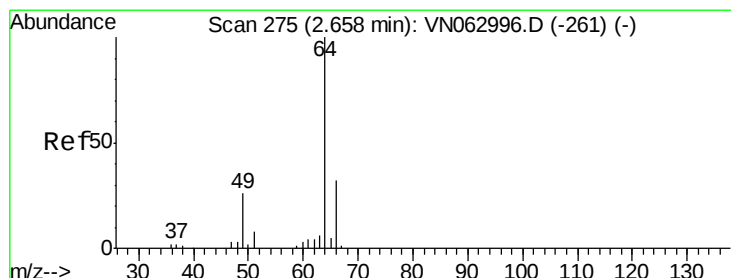
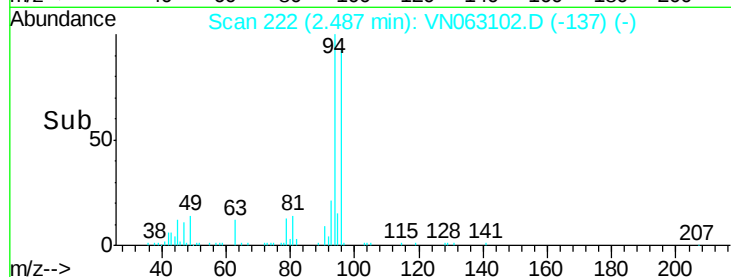
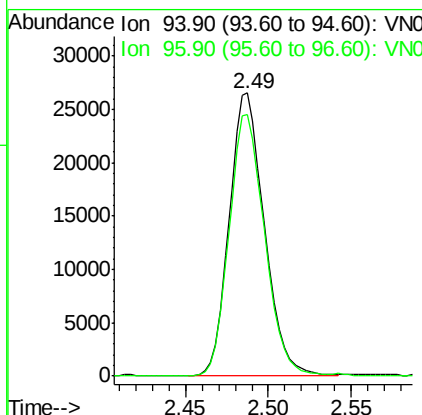
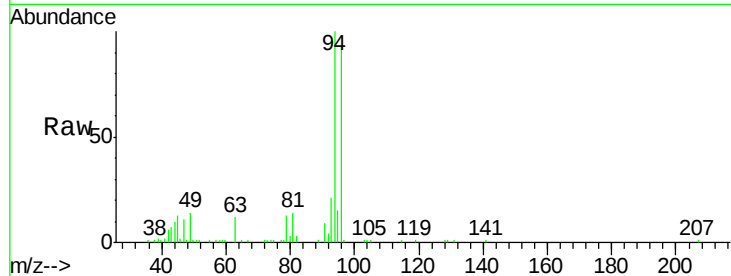
#5
Bromomethane
Concen: 27.205 ug/l
RT: 2.49 min Scan# 222
Delta R.T. -0.03 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

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Tot Ion: 94 Resp: 39249
Ion Ratio Lower Upper
94 100
96 92.6 75.8 113.8

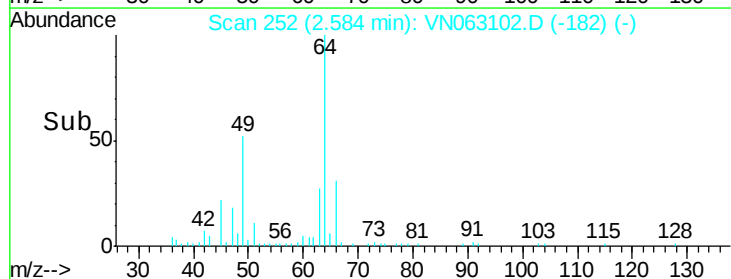
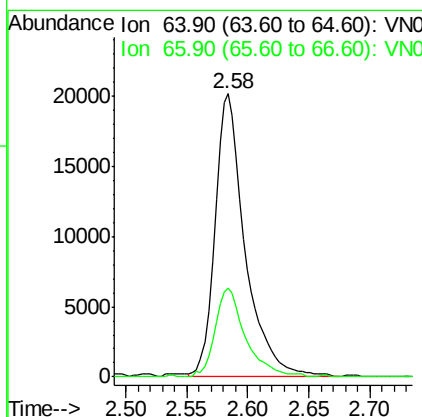
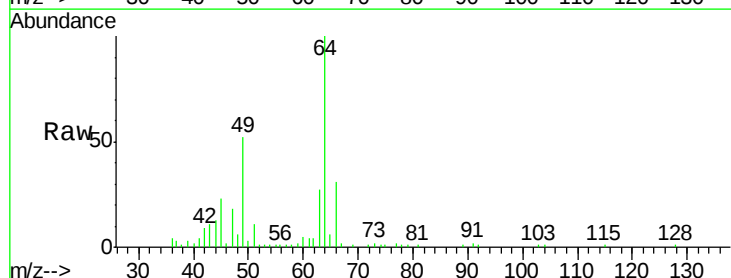
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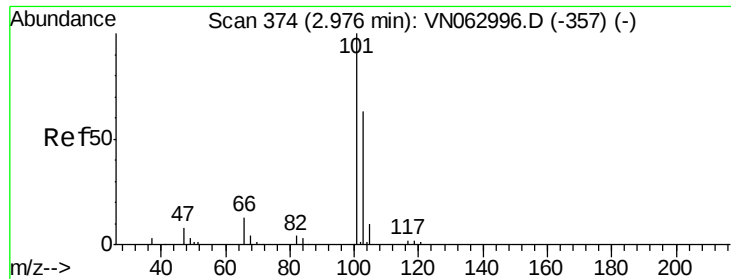
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#6
Chloroethane
Concen: 24.300 ug/l
RT: 2.58 min Scan# 252
Delta R.T. -0.07 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion: 64 Resp: 34873
Ion Ratio Lower Upper
64 100
66 31.4 25.4 38.0





#7

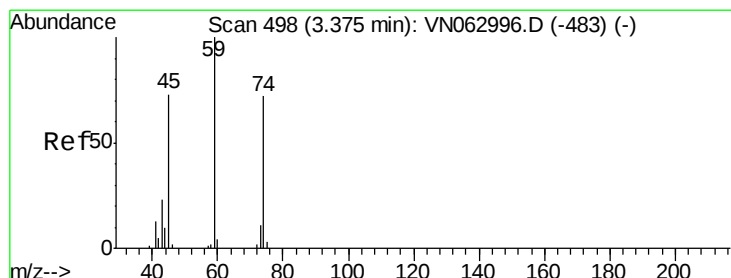
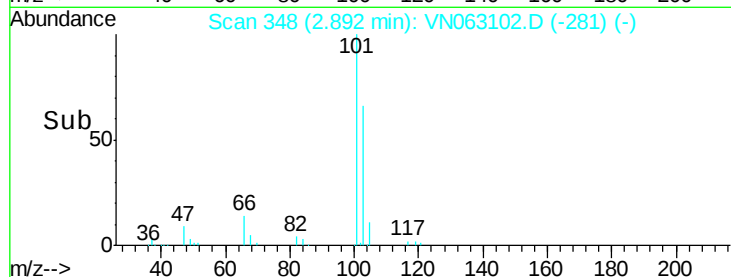
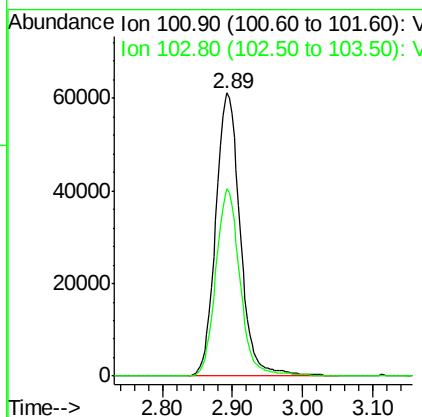
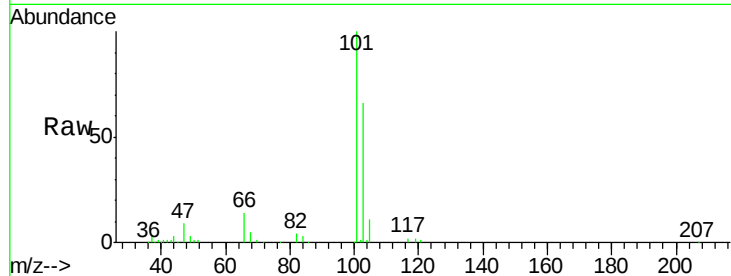
Trichlorofluoromethane
 Concen: 48.894 ug/l
 RT: 2.89 min Scan# 348
 Delta R.T. -0.08 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	50.5	75.7

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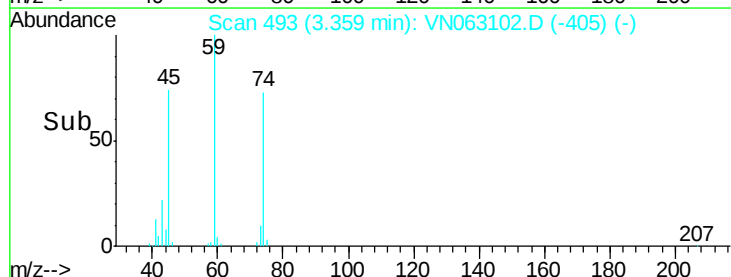
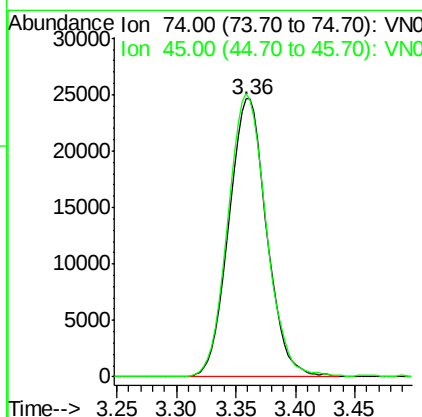
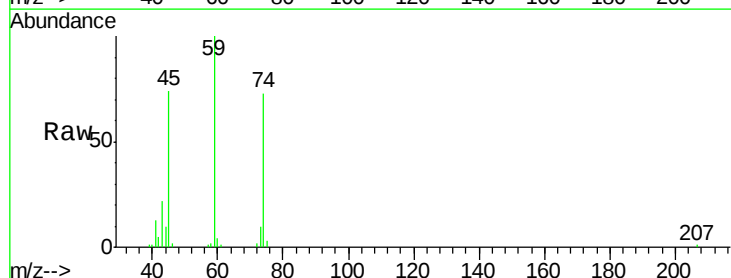
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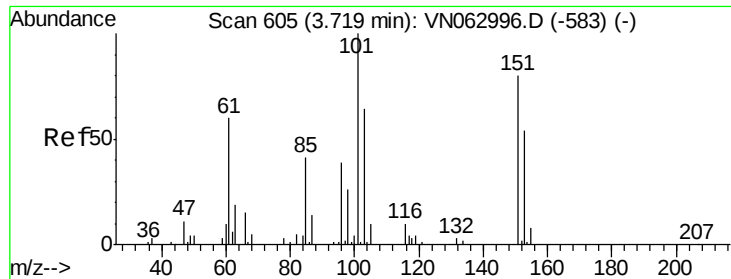


#8

Diethyl Ether
 Concen: 50.545 ug/l
 RT: 3.36 min Scan# 493
 Delta R.T. -0.02 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.6	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.615 ug/l

RT: 3.66 min Scan# 588

Delta R.T. -0.05 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

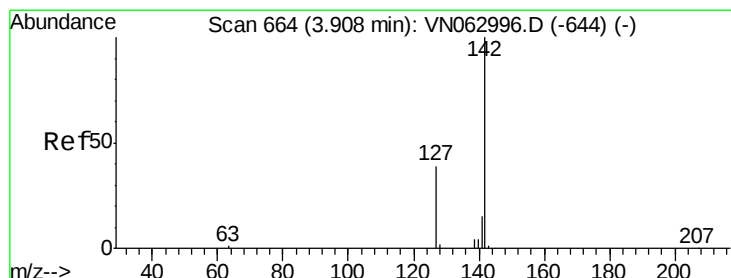
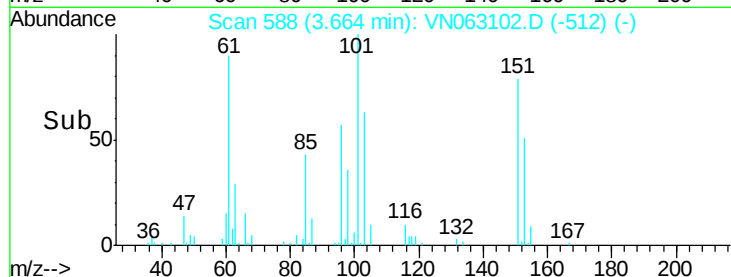
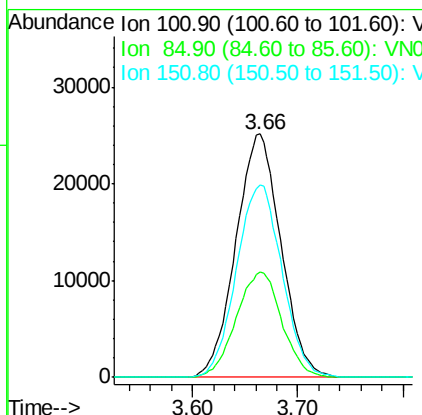
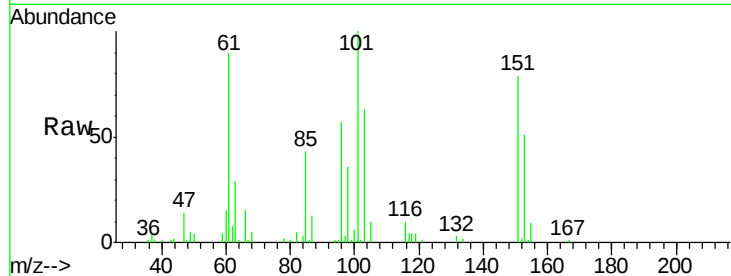
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	74506
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.0	51.0
151	80.3	65.8	98.8

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#10

Methyl Iodide

Concen: 43.149 ug/l

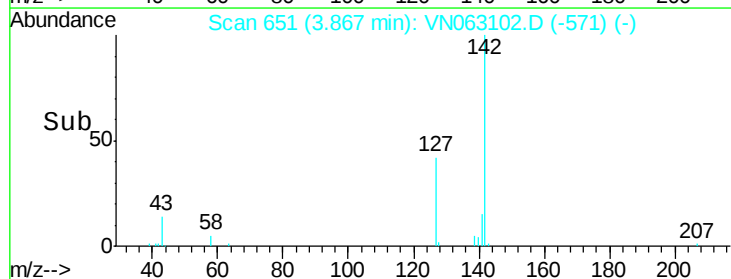
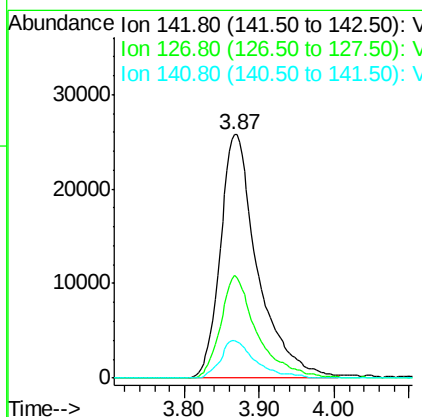
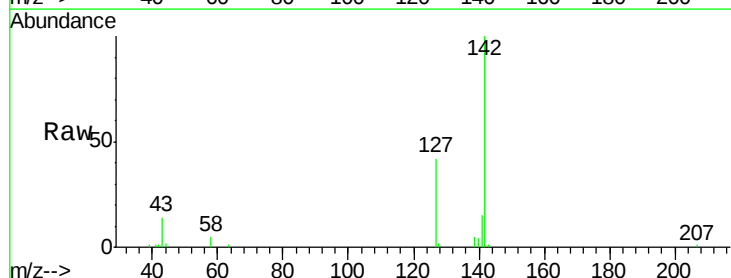
RT: 3.87 min Scan# 651

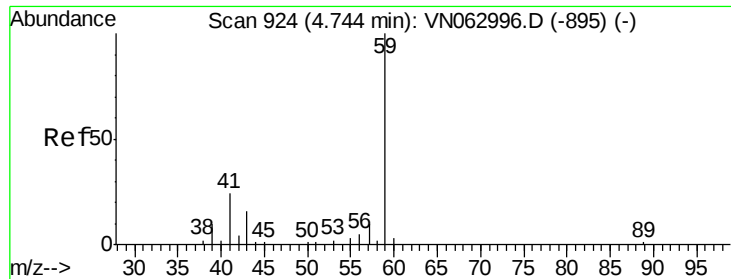
Delta R.T. -0.04 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Tgt Ion:	142	Resp:	89332
Ion Ratio	Lower	Upper	
142	100		
127	40.9	32.2	48.4
141	14.6	11.3	16.9





#11

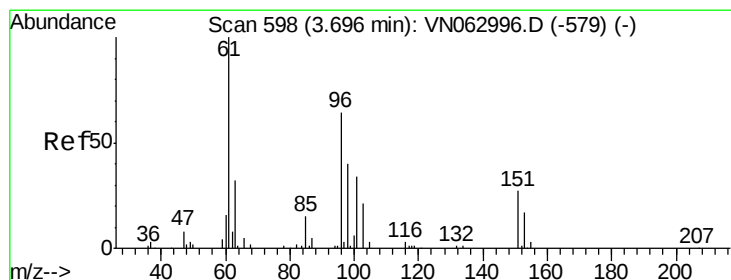
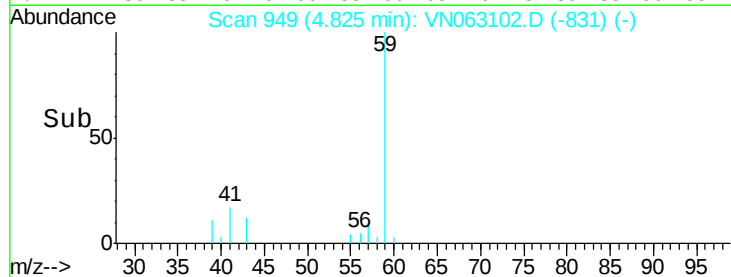
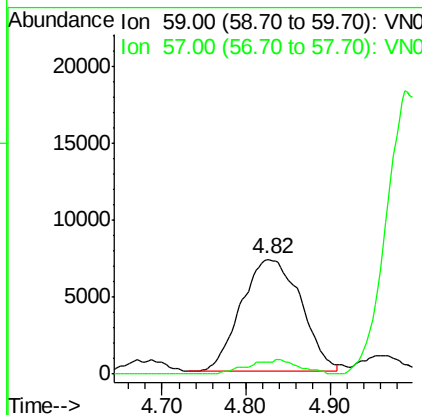
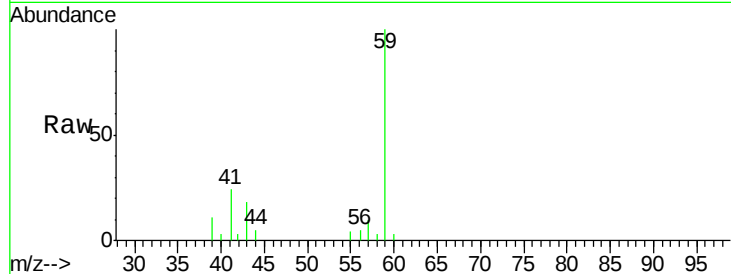
Tert butyl alcohol
 Concen: 116.753 ug/l m
 RT: 4.82 min Scan# 949
 Delta R.T. 0.08 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.6#

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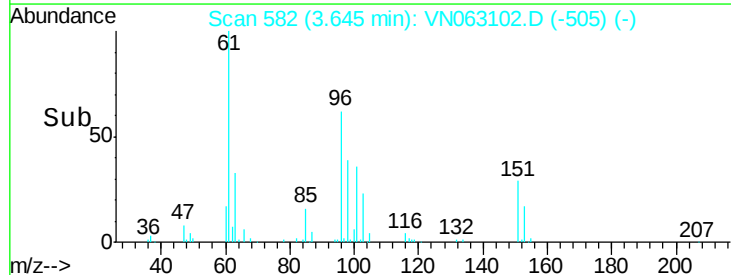
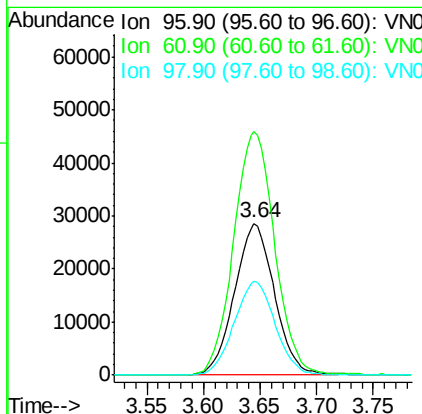
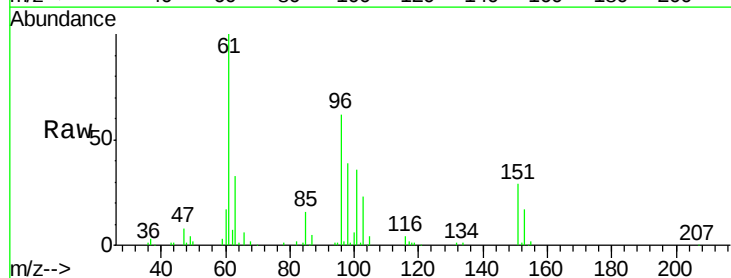
MMDadoda
 8/25/2020 12:14:05 PM

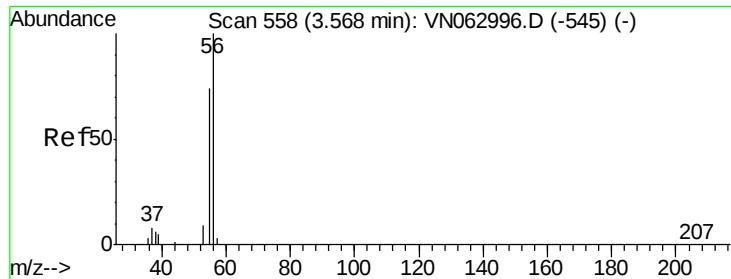


#12

1,1-Dichloroethene
 Concen: 45.028 ug/l
 RT: 3.64 min Scan# 582
 Delta R.T. -0.05 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.7	125.5	188.3
98	62.2	50.4	75.6





#13

Acrolein

Concen: 70.247 ug/l

RT: 3.56 min Scan# 555

Delta R.T. -0.01 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 6772

Ion Ratio Lower Upper

56 100

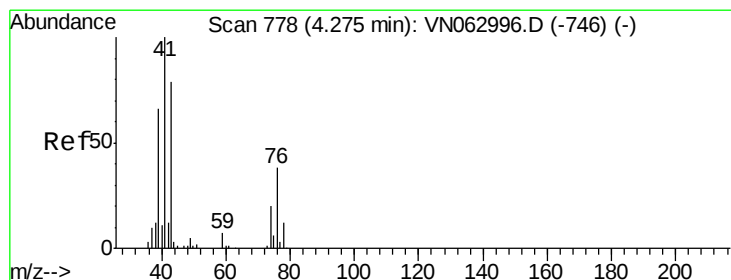
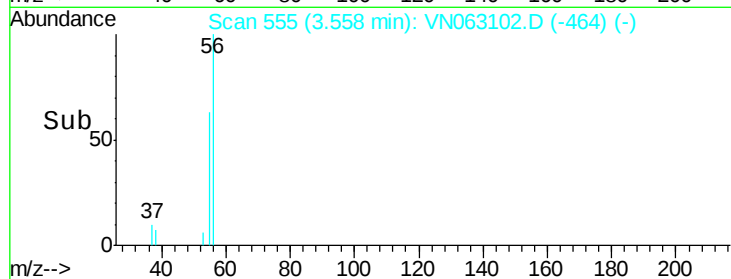
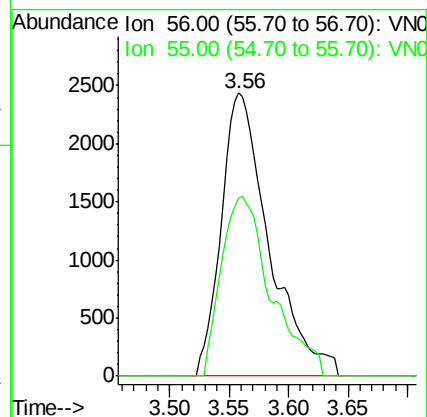
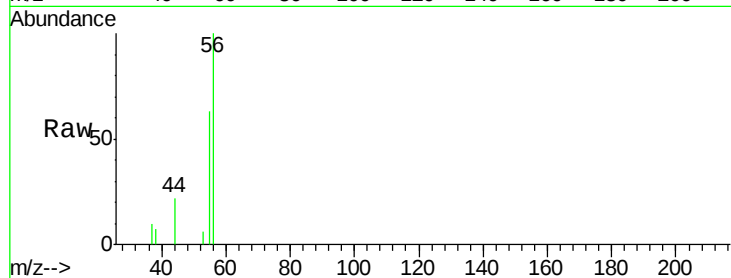
55 66.3 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 47.270 ug/l

RT: 4.24 min Scan# 767

Delta R.T. -0.04 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

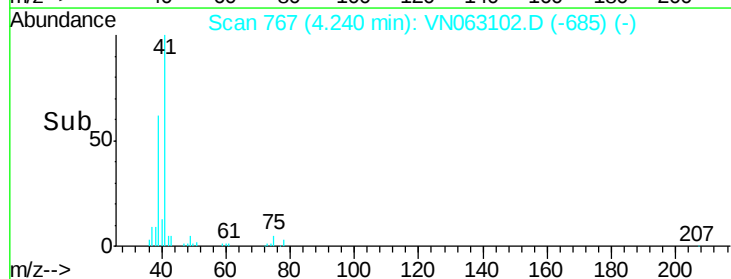
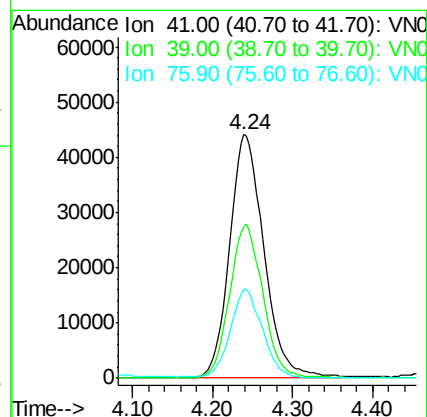
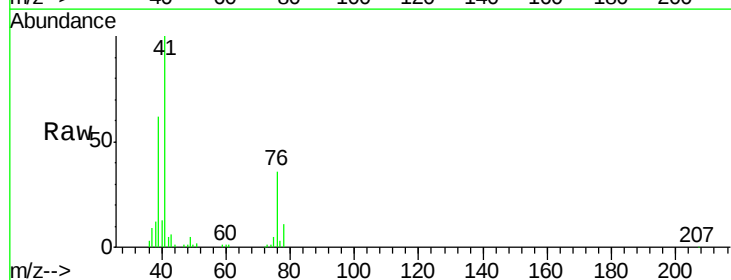
Tgt Ion: 41 Resp: 129683

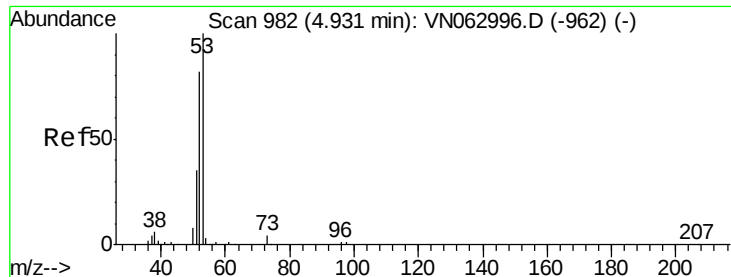
Ion Ratio Lower Upper

41 100

39 60.7 47.9 71.9

76 34.2 27.0 40.6





#15

Acrylonitrile

Concen: 257.641 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

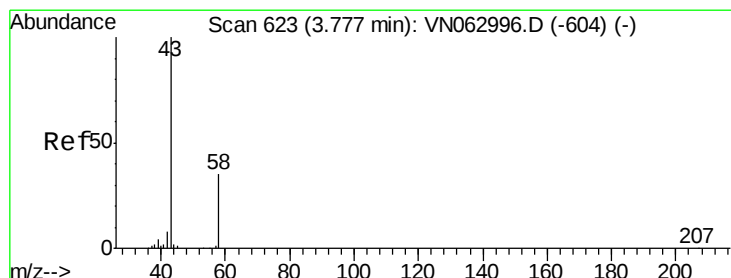
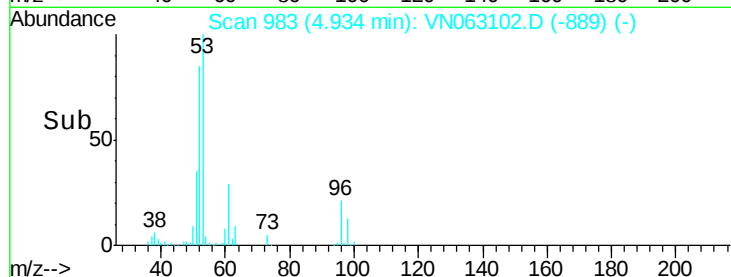
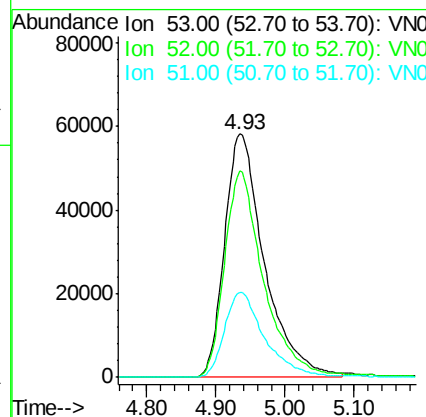
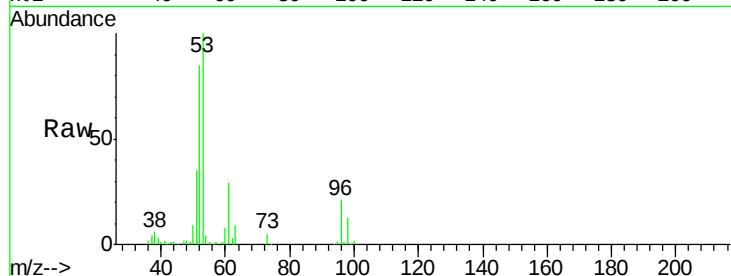
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	233029
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.6	98.4
51	35.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 226.745 ug/l

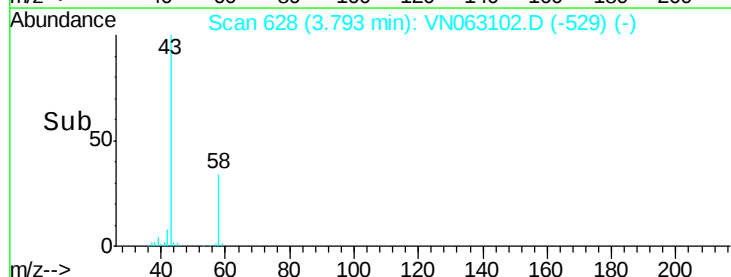
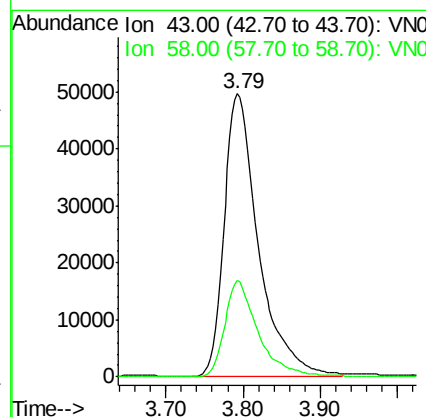
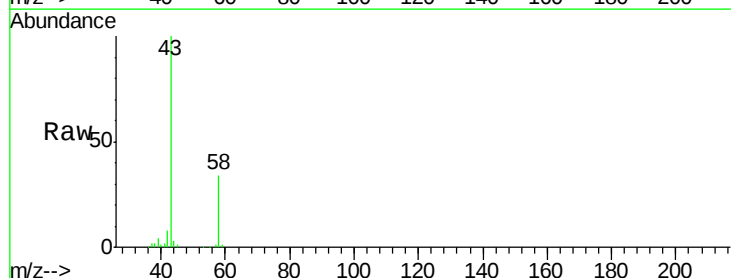
RT: 3.79 min Scan# 628

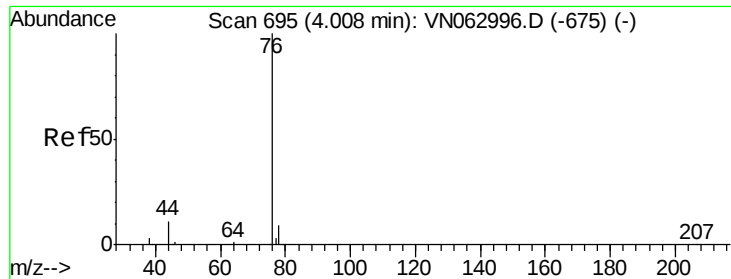
Delta R.T. 0.02 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Tgt Ion:	43	Resp:	153861
Ion Ratio	Lower	Upper	
43	100		
58	33.9	27.8	41.6





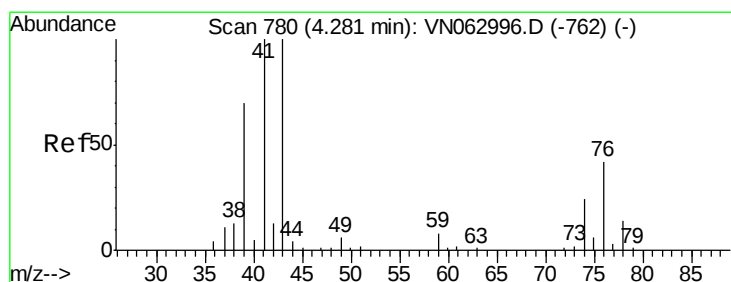
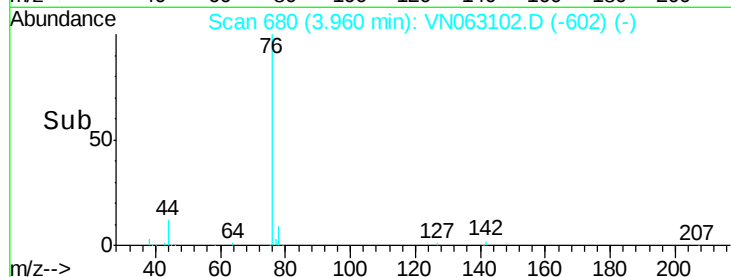
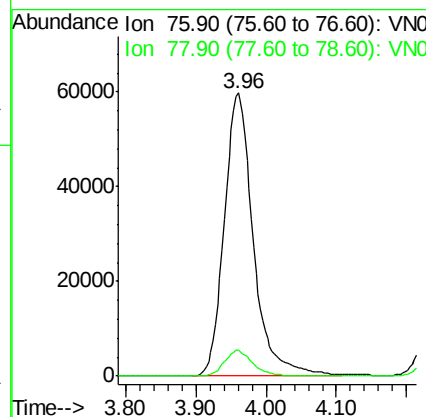
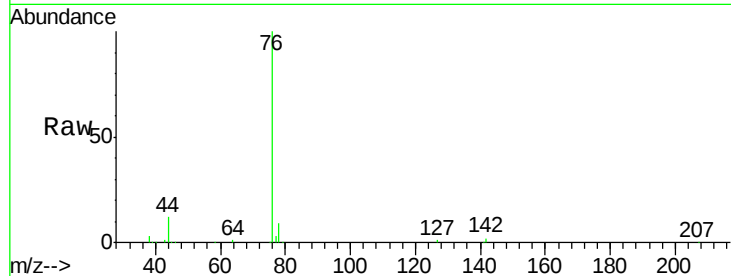
#17
Carbon Disulfide
Concen: 42.391 ug/l
RT: 3.96 min Scan# 680
Delta R.T. -0.05 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 172739
Ion Ratio Lower Upper
76 100
78 9.2 6.9 10.3

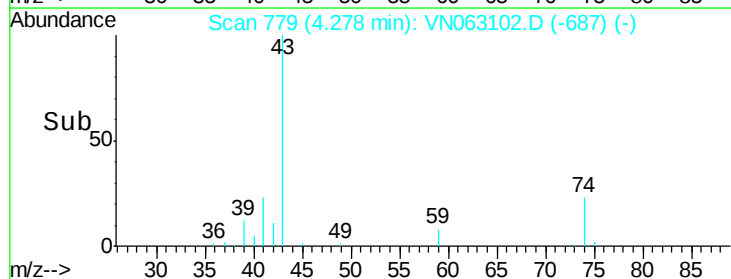
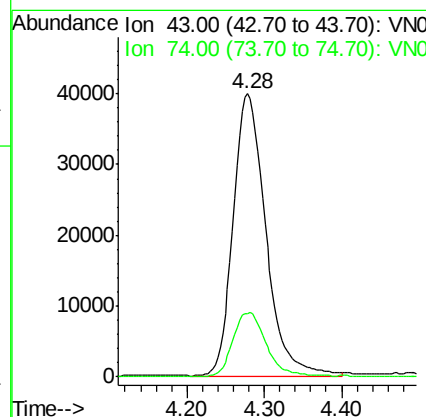
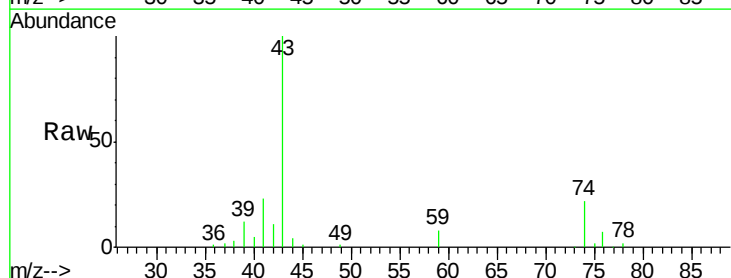
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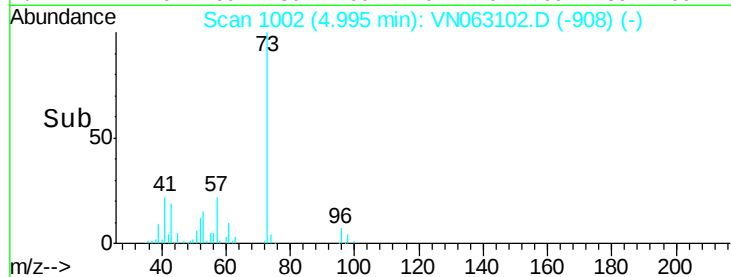
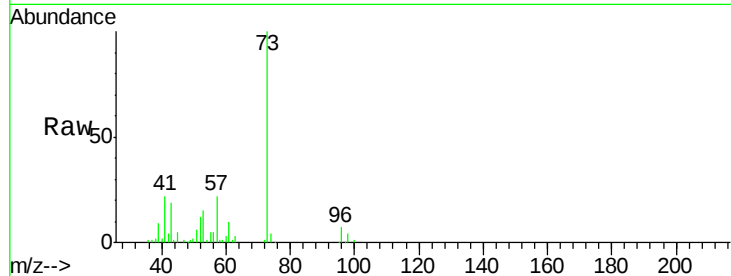
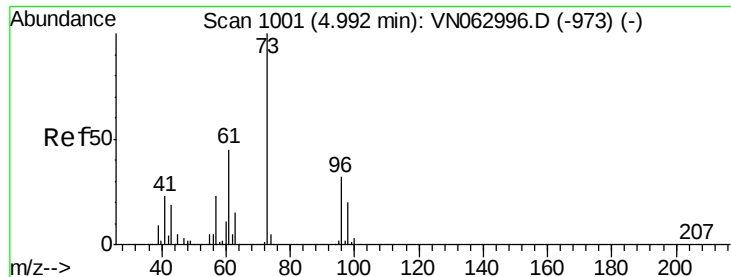
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#18
Methyl Acetate
Concen: 54.824 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion: 43 Resp: 118364
Ion Ratio Lower Upper
43 100
74 23.2 18.6 28.0





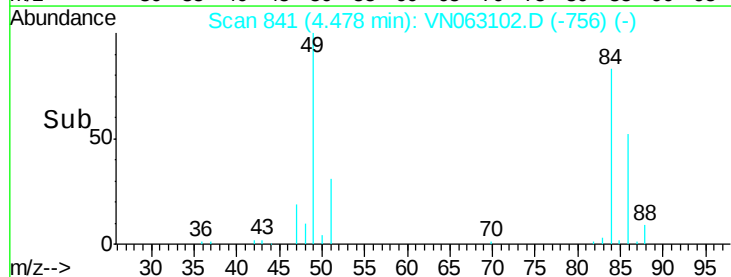
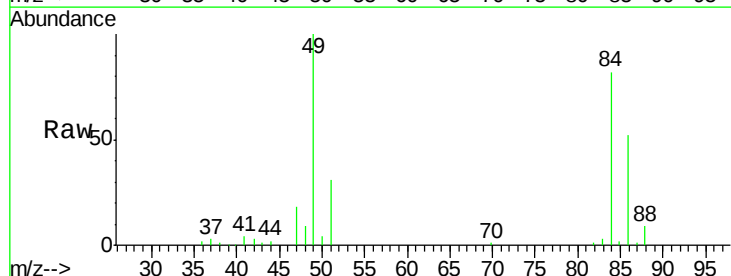
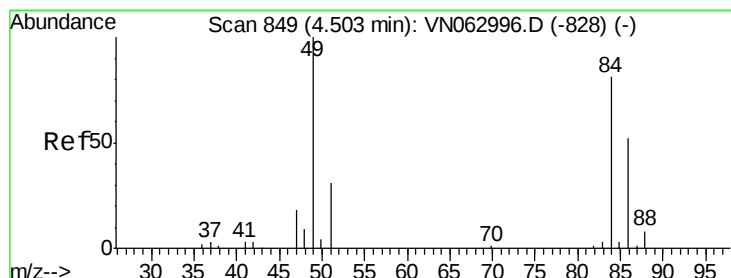
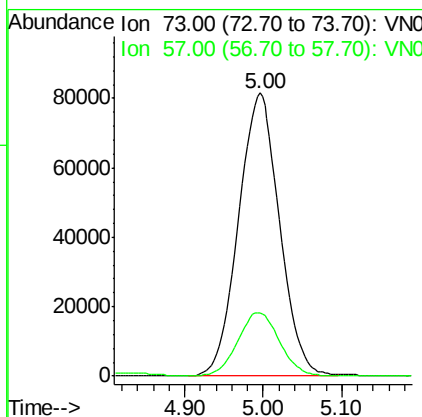
#19
Methyl tert-butyl Ether
Concen: 55.039 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.1	27.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

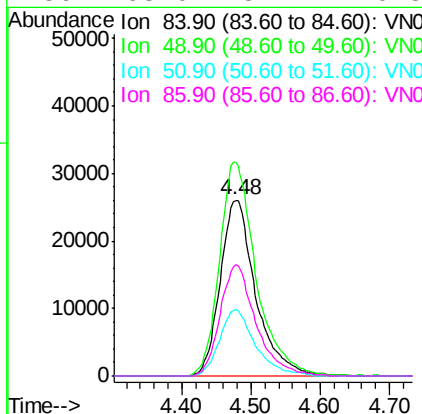
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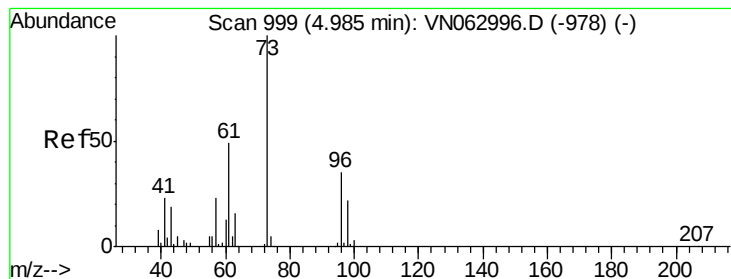
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#20
Methylene Chloride
Concen: 48.545 ug/l
RT: 4.48 min Scan# 841
Delta R.T. -0.03 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.2	98.7	148.1
51	37.8	30.8	46.2
86	63.0	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 47.434 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.03 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 77238

Ion Ratio Lower Upper

96 100

61 143.8 112.5 168.7

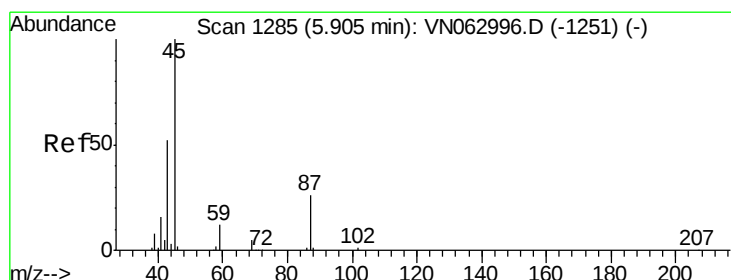
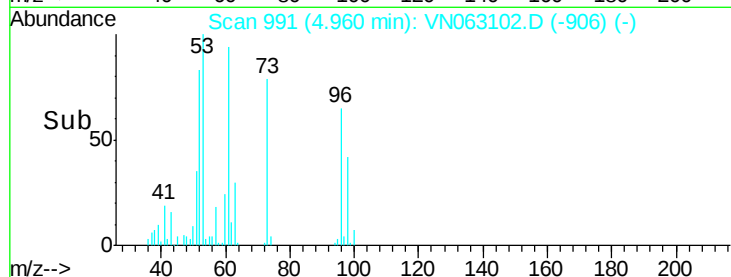
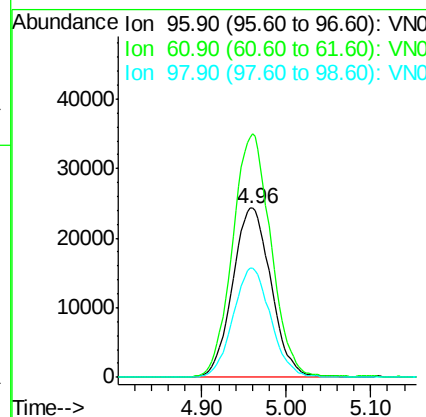
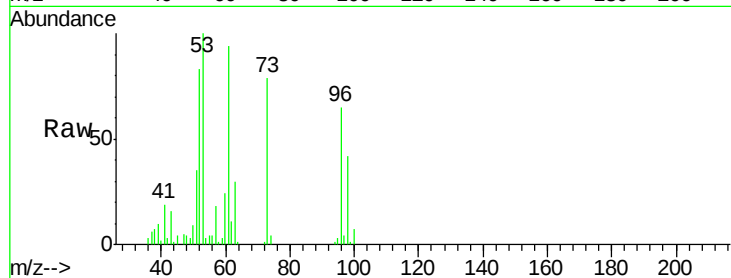
98 64.5 49.4 74.0

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#22

Diisopropyl ether

Concen: 54.241 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Tgt Ion: 45 Resp: 337685

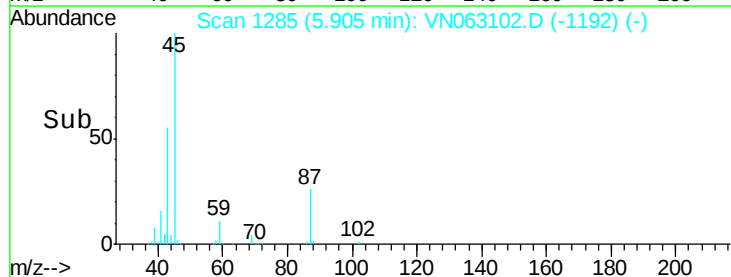
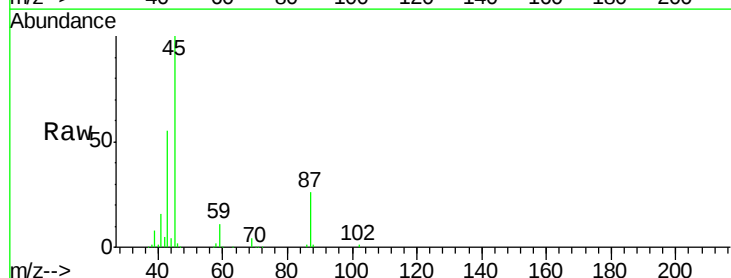
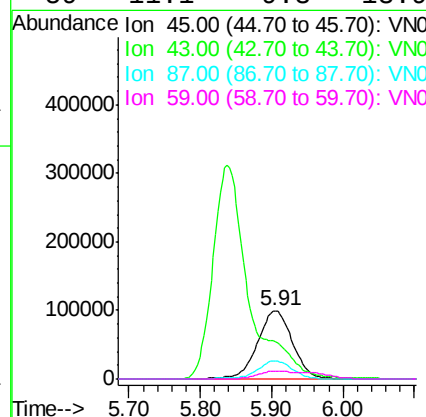
Ion Ratio Lower Upper

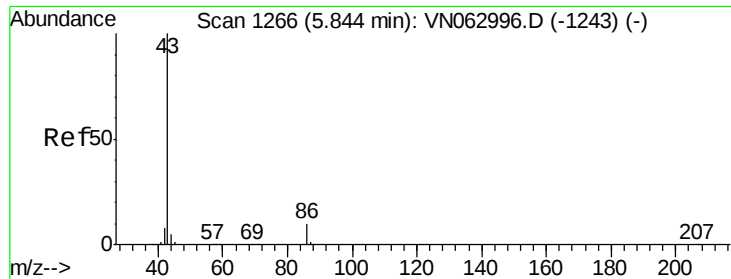
45 100

43 53.0 45.7 68.5

87 26.1 21.8 32.6

59 11.1 9.3 13.9





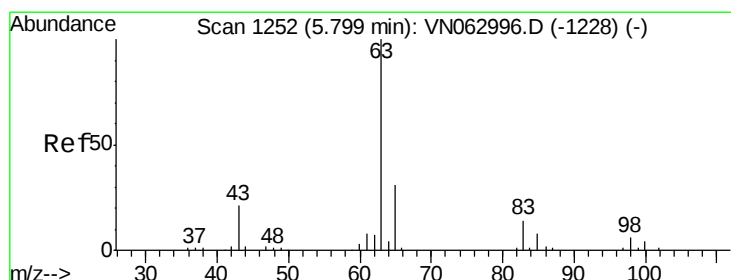
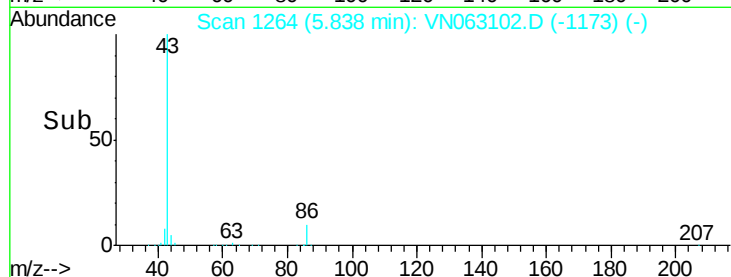
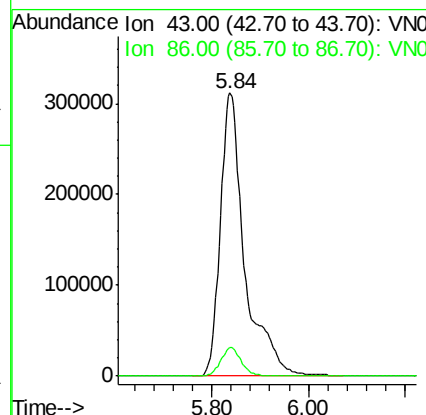
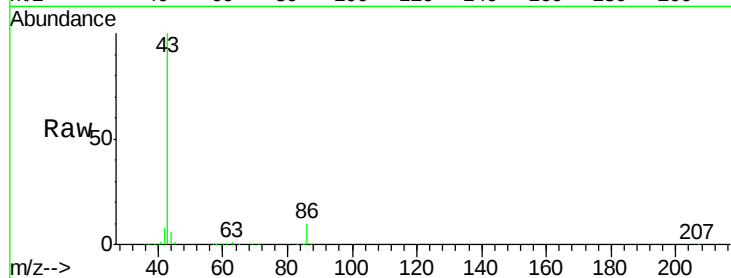
#23
 Vinyl Acetate
 Concen: 260.349 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1093762
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.0 12.0

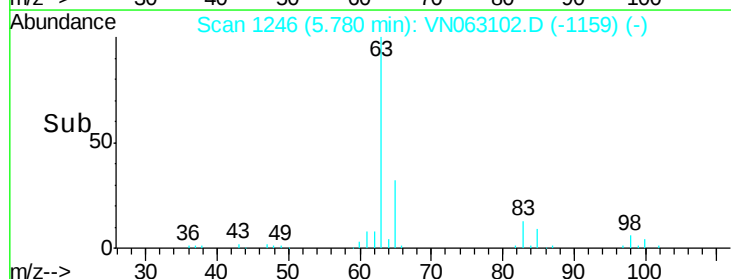
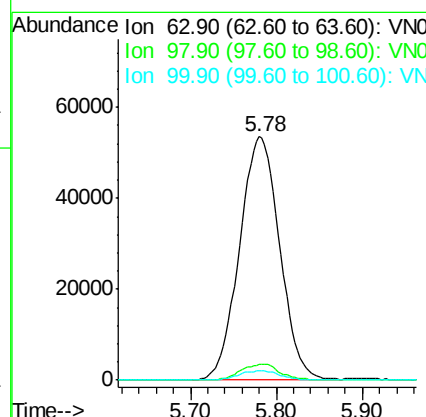
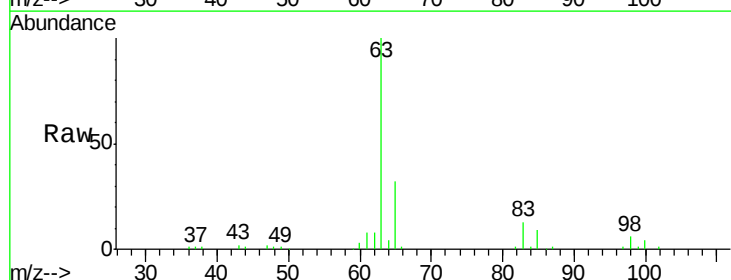
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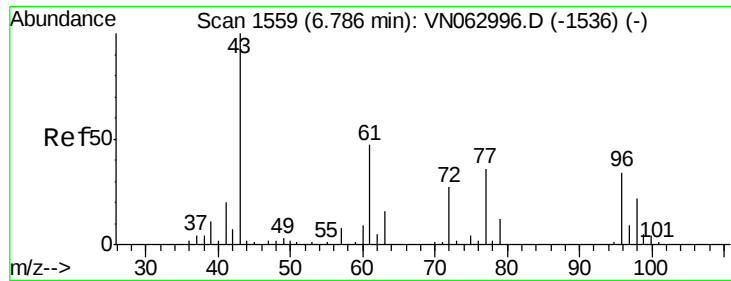
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#24
 1,1-Dichloroethane
 Concen: 49.889 ug/l
 RT: 5.78 min Scan# 1246
 Delta R.T. -0.02 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion: 63 Resp: 173560
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.7
 100 3.9 2.0 5.8





#25

2-Butanone

Concen: 227.706 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 262635

Ion Ratio Lower Upper

43 100

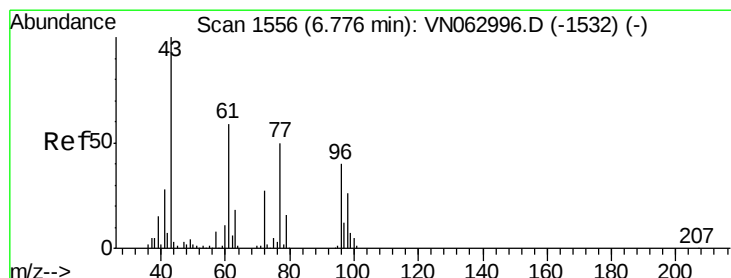
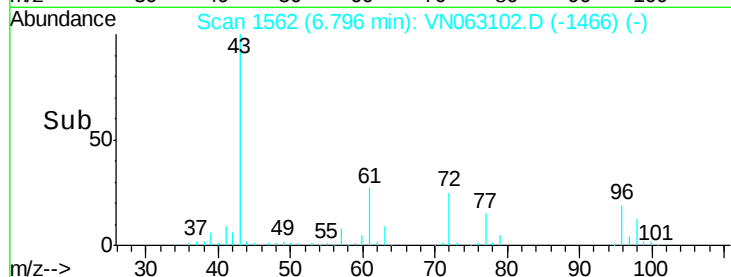
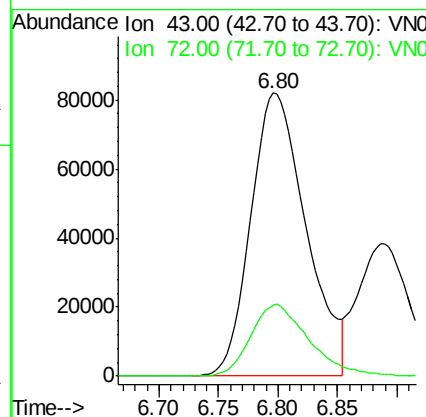
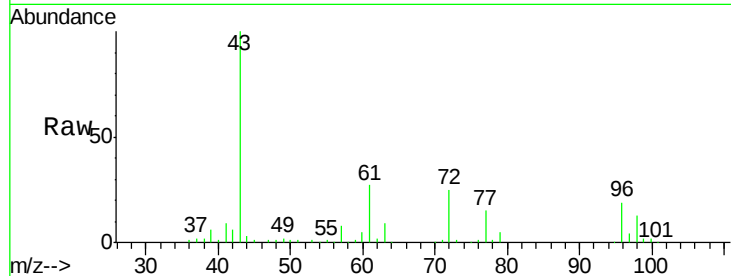
72 25.2 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 42.632 ug/l

RT: 6.76 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VN063102.D

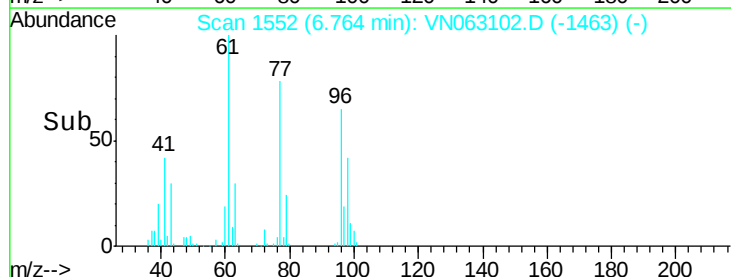
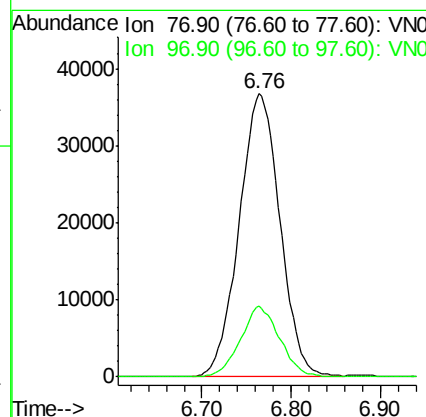
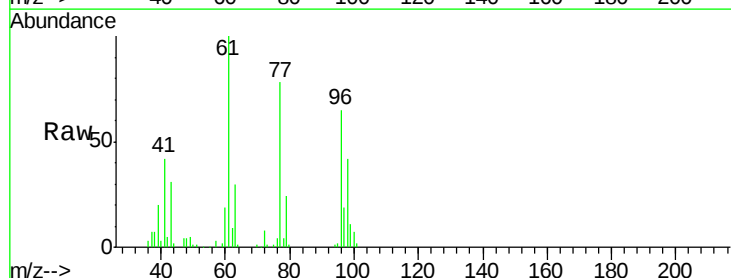
Acq: 24 Aug 2020 17:53

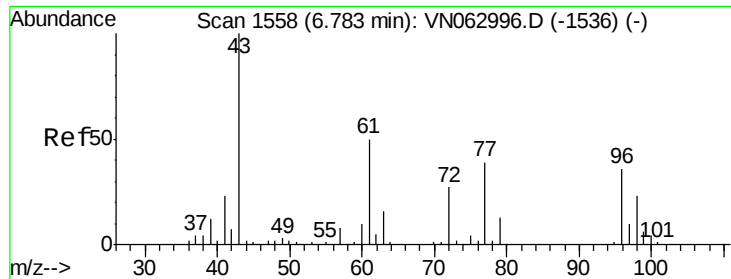
Tgt Ion: 77 Resp: 116641

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 48.521 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

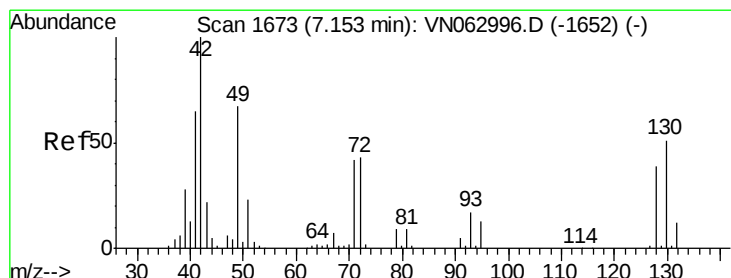
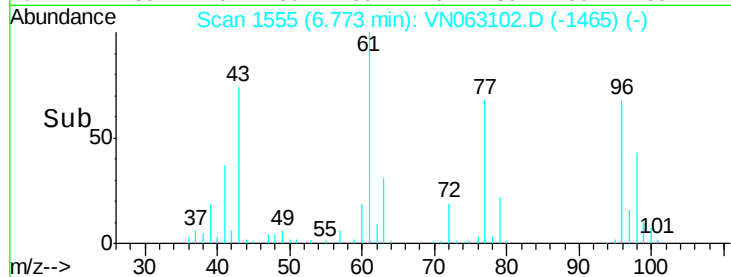
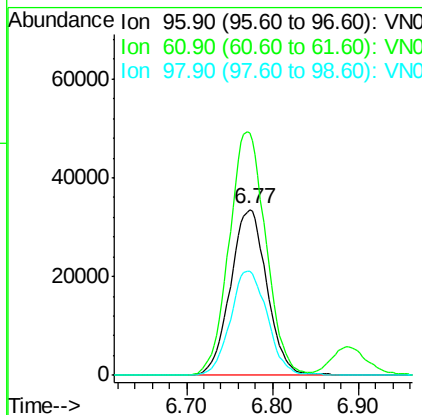
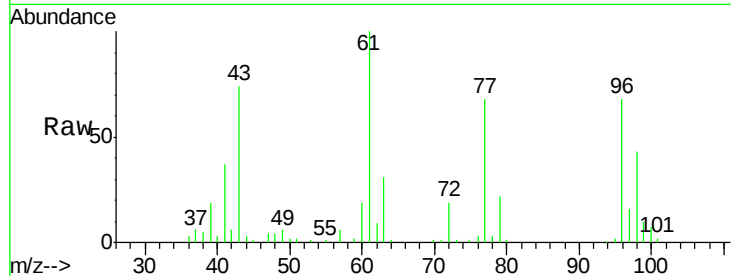
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	99031
Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	292.8
98	63.5	0.0	130.6

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#28

Bromochloromethane

Concen: 51.752 ug/l

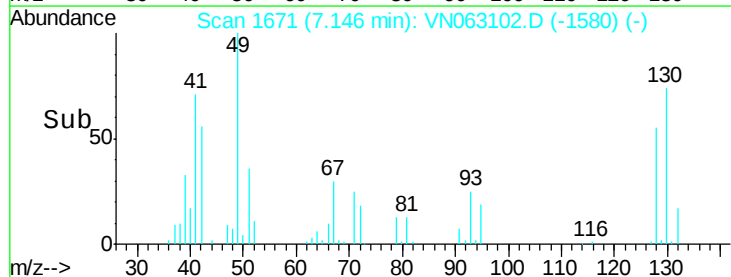
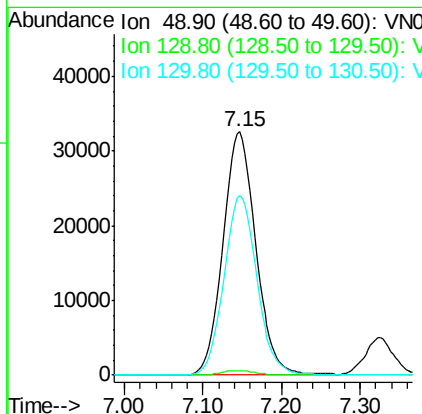
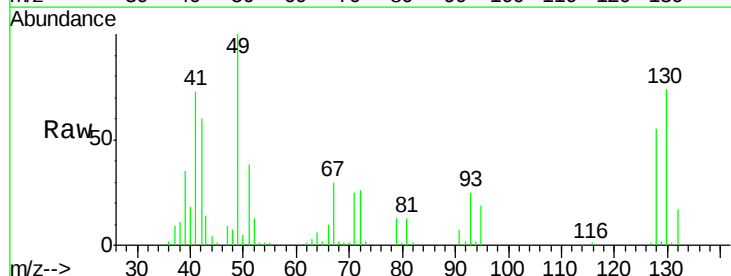
RT: 7.15 min Scan# 1671

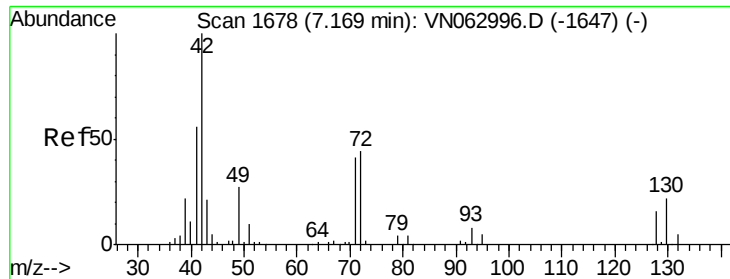
Delta R.T. -0.01 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Tgt Ion:	49	Resp:	94203
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	73.9	61.1	91.7





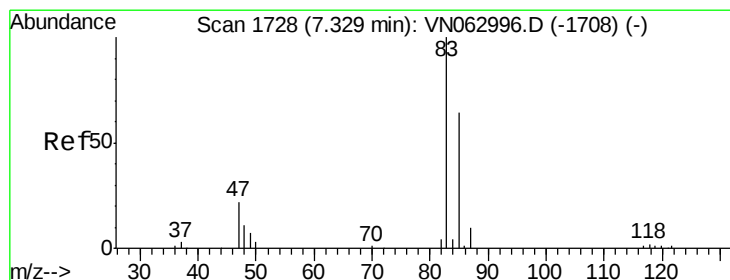
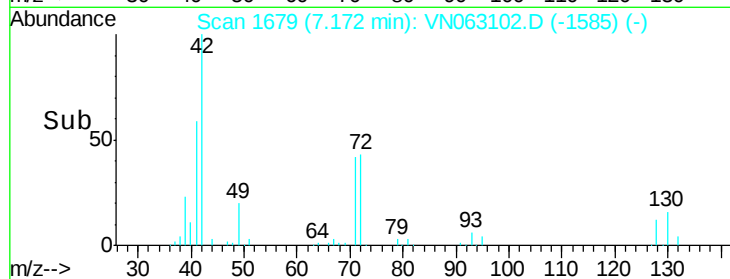
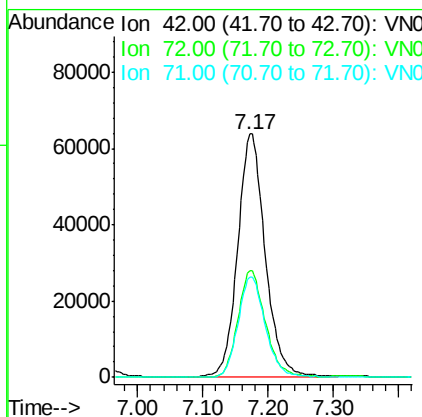
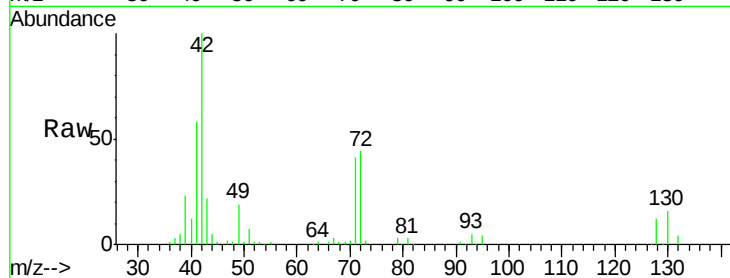
#29
Tetrahydrofuran
Concen: 252.845 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.6	52.0
71	40.5	32.3	48.5

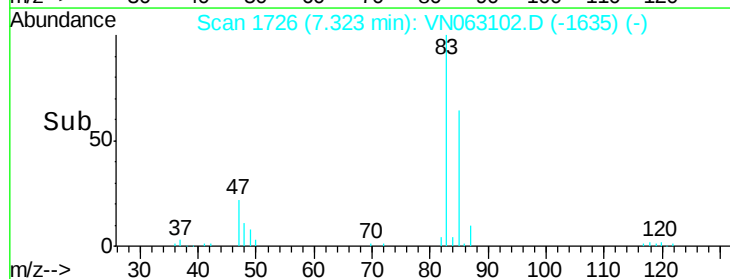
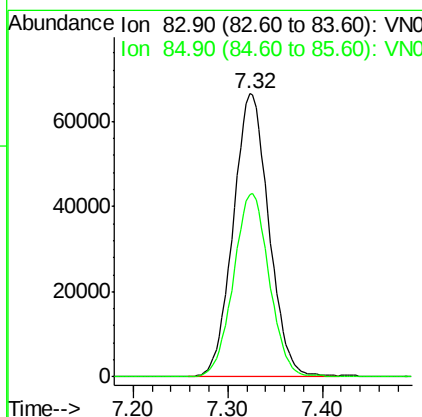
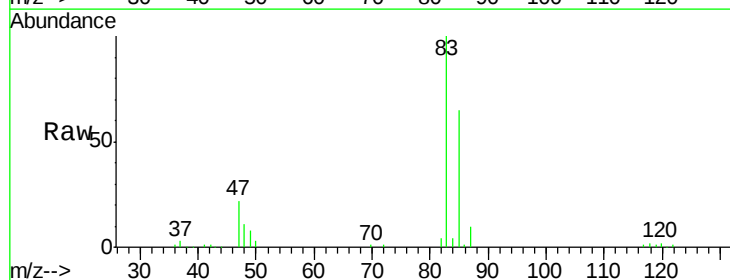
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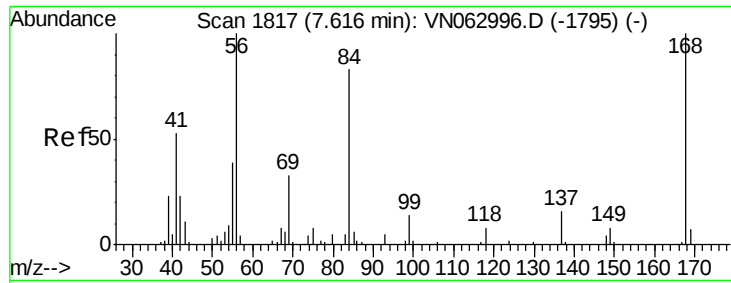
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#30
Chloroform
Concen: 49.749 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3





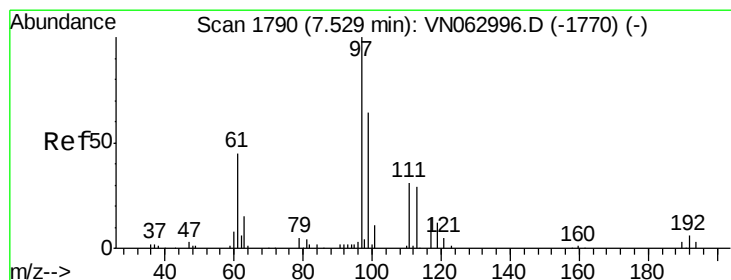
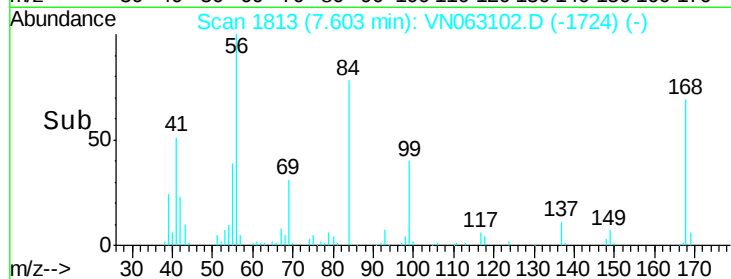
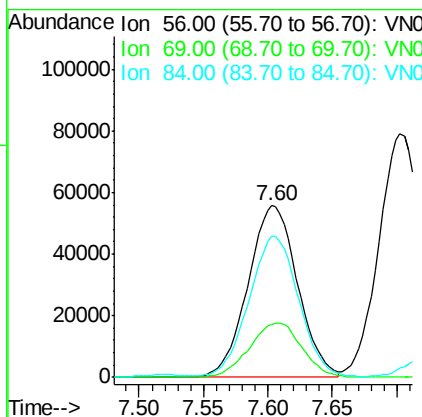
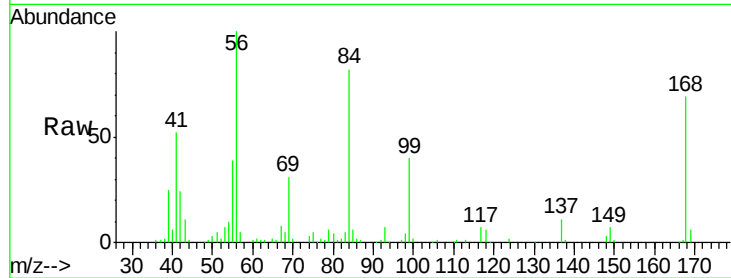
#31
Cyclohexane
Concen: 46.514 ug/l
RT: 7.60 min Scan# 1813
Delta R.T. -0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	56	Resp	148936
Ion Ratio	Lower	Upper	
56	100		
69	31.1	26.6	40.0
84	81.1	66.4	99.6

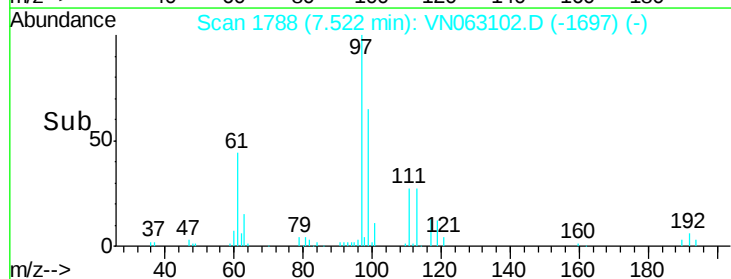
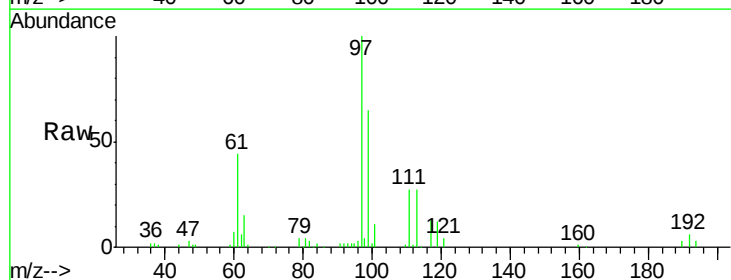
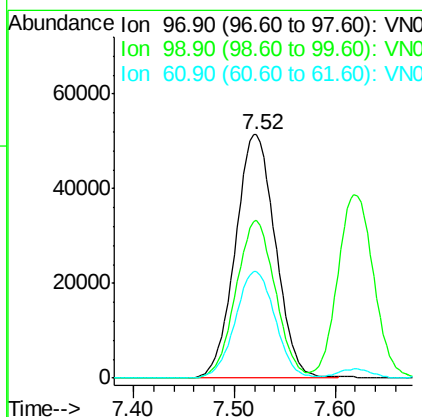
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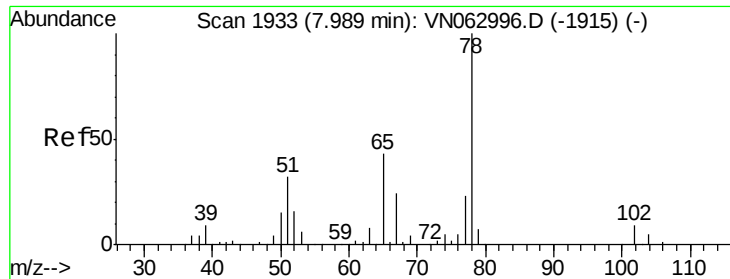
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#32
1,1,1-Trichloroethane
Concen: 49.500 ug/l
RT: 7.52 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion	97	Resp	141591
Ion Ratio	Lower	Upper	
97	100		
99	63.6	52.0	78.0
61	43.5	36.2	54.4





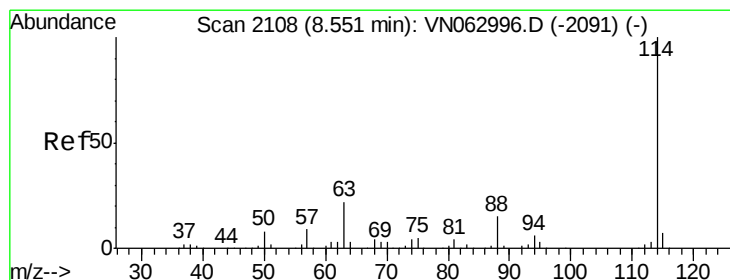
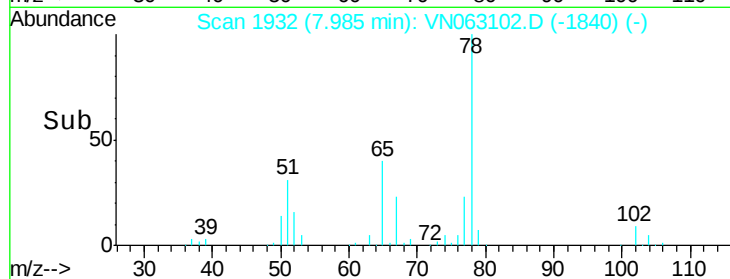
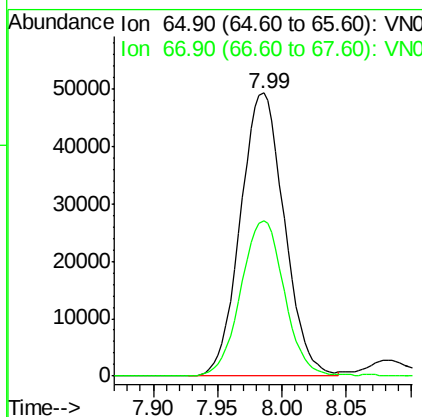
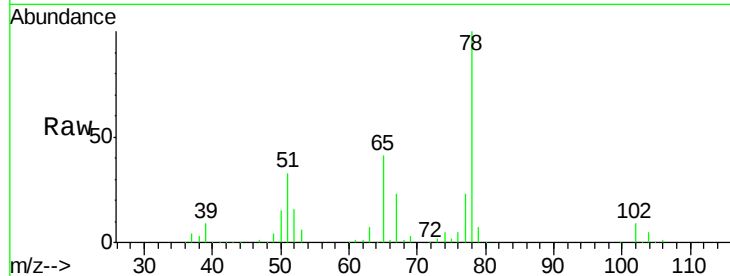
#33
 1,2-Dichloroethane-d4
 Concen: 53.847 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	112.0	

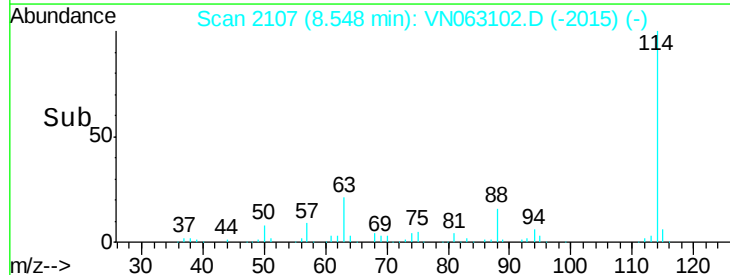
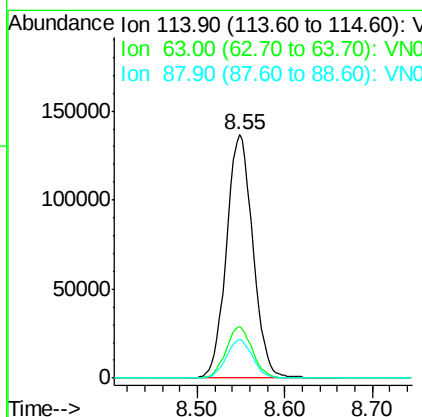
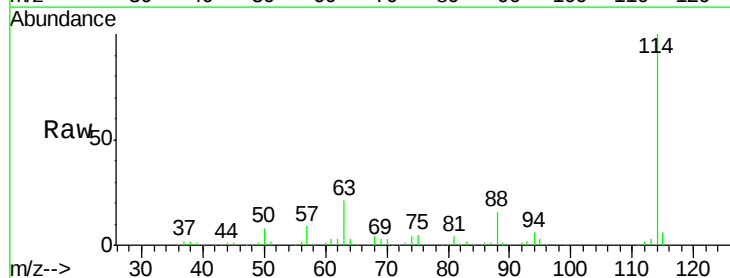
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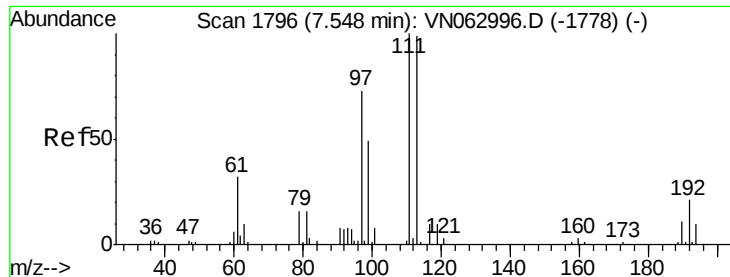
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.0	0.0	43.2	
88	15.9	0.0	30.6	





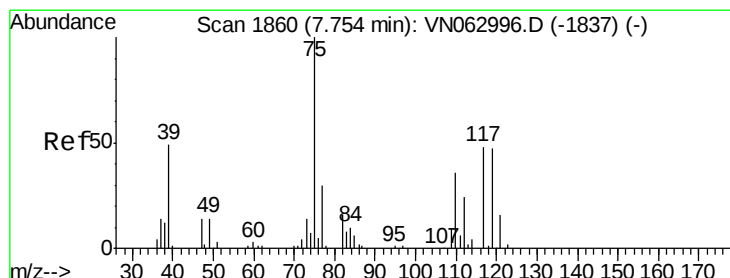
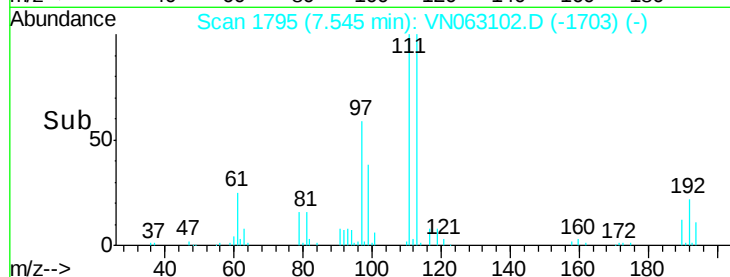
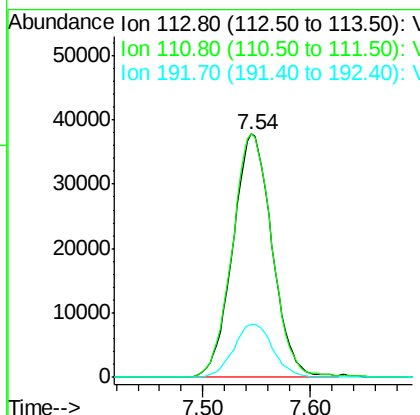
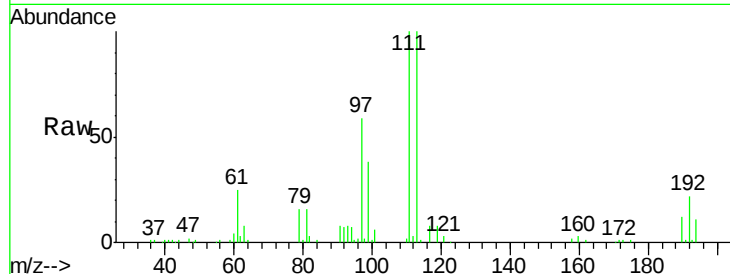
#35
Dibromofluoromethane
Concen: 51.312 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.7	122.5
192	21.7	17.5	26.3

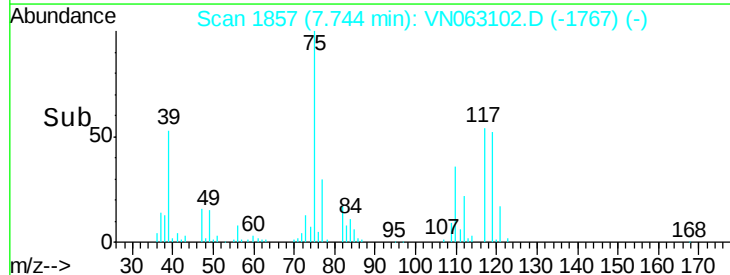
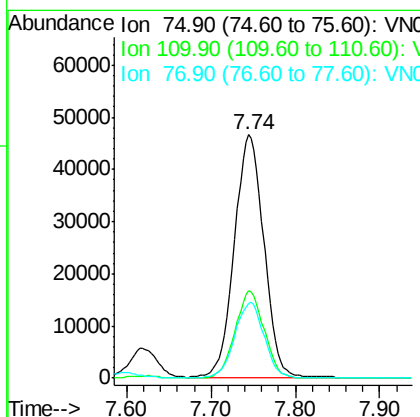
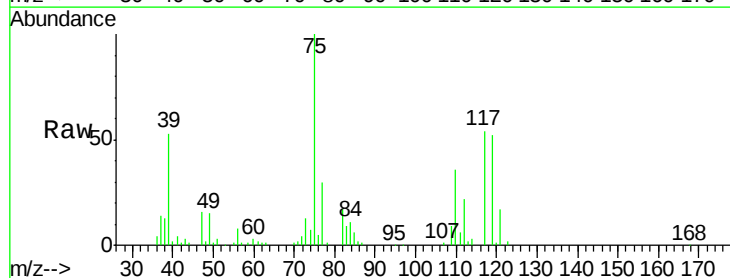
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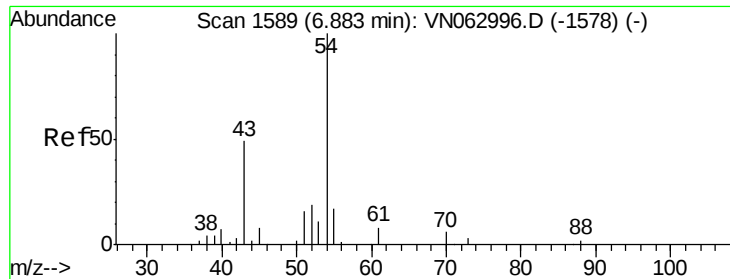
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#36
1,1-Dichloropropene
Concen: 44.995 ug/l
RT: 7.74 min Scan# 1857
Delta R.T. -0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.5	52.6
77	31.2	24.2	36.4





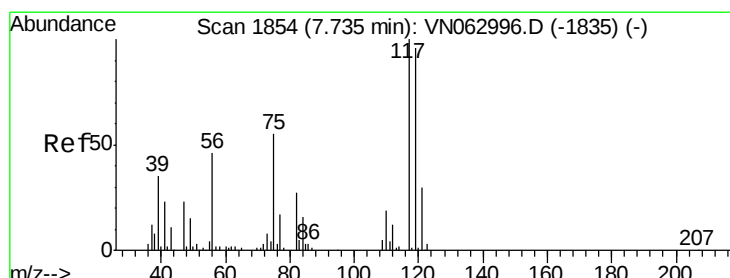
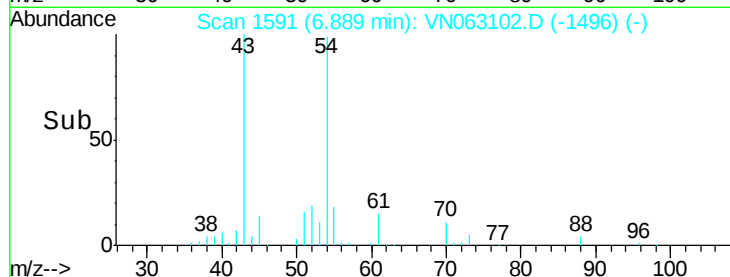
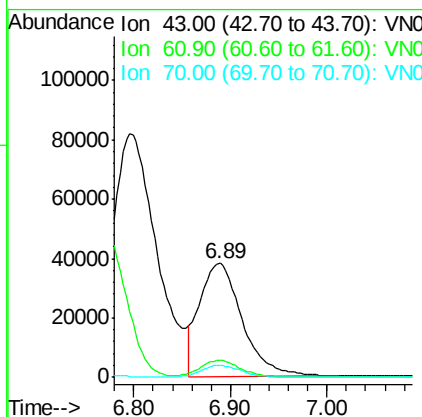
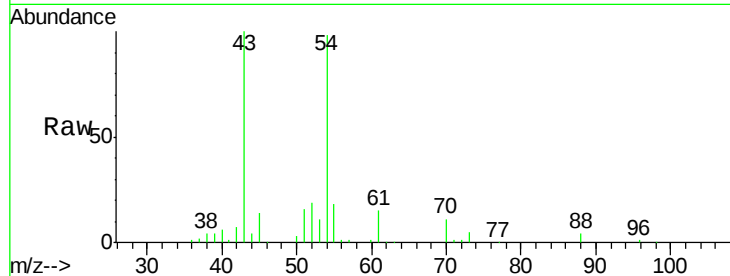
#37
Ethyl Acetate
Concen: 49.277 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. 0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.8	17.8
70	10.3	8.2	12.2

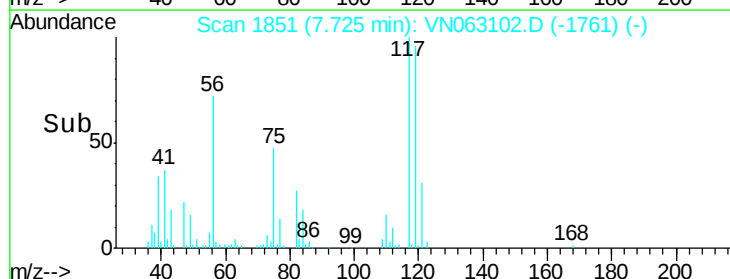
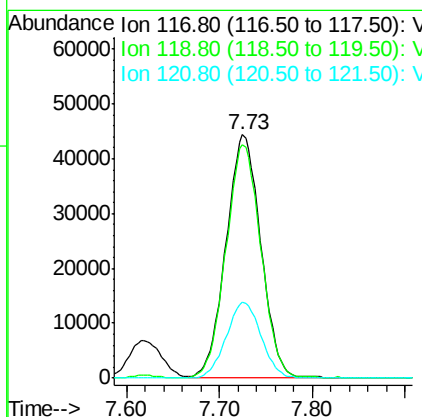
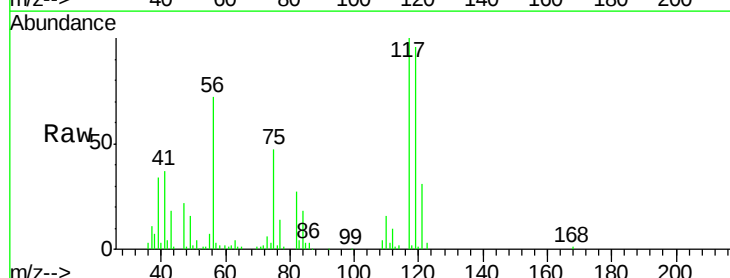
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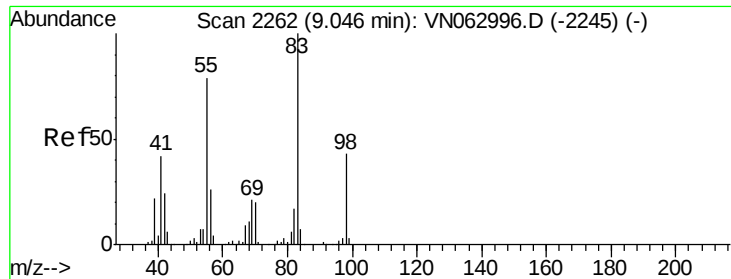
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#38
Carbon Tetrachloride
Concen: 45.386 ug/l
RT: 7.73 min Scan# 1851
Delta R.T. -0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.2	114.4
121	31.1	24.2	36.2





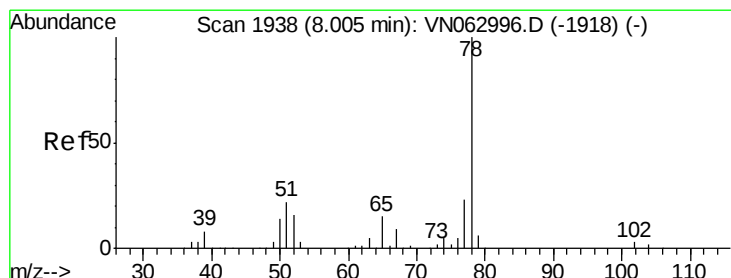
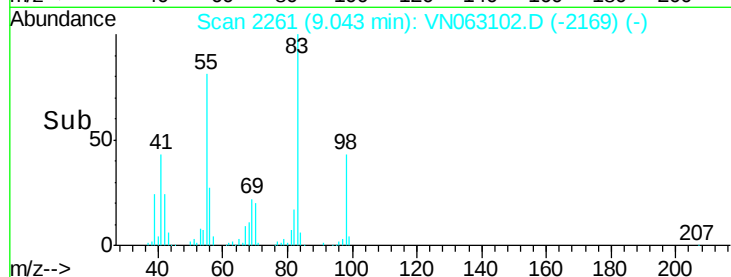
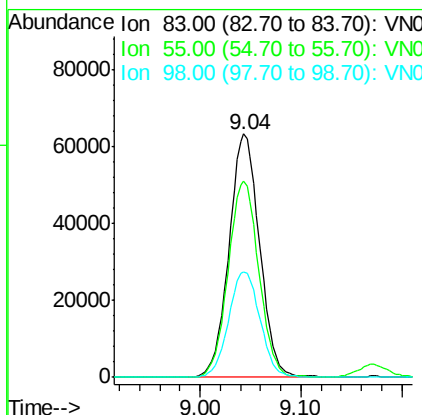
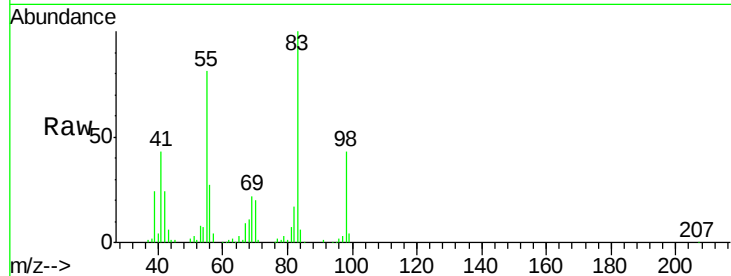
#39
Methvlcvclohexane
Concen: 39.522 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.8	63.3	94.9
98	43.5	34.2	51.4

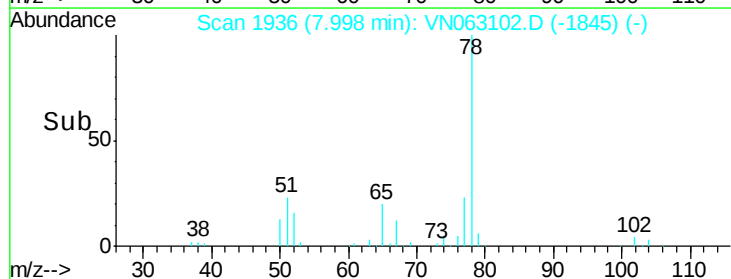
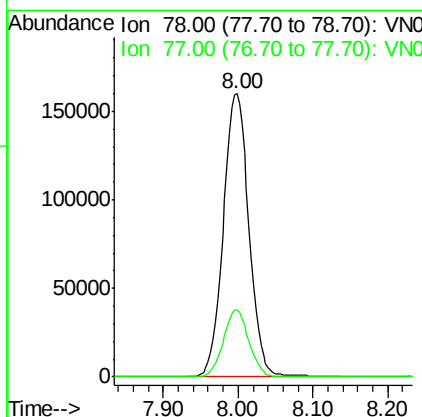
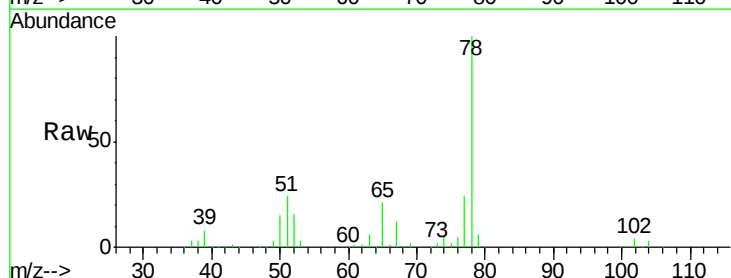
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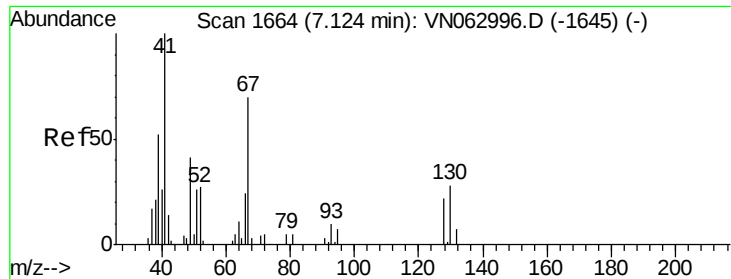
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#40
Benzene
Concen: 47.245 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





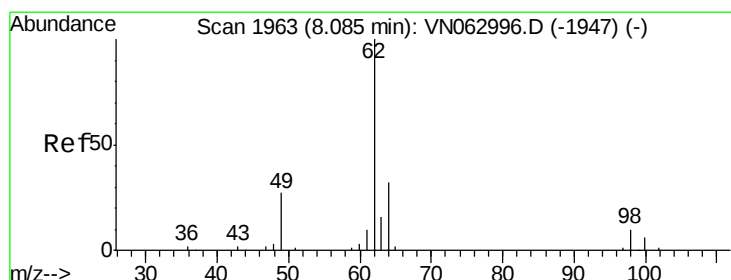
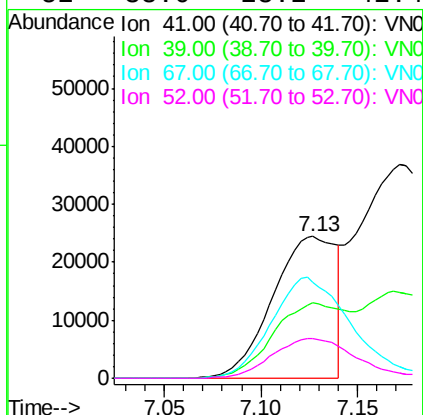
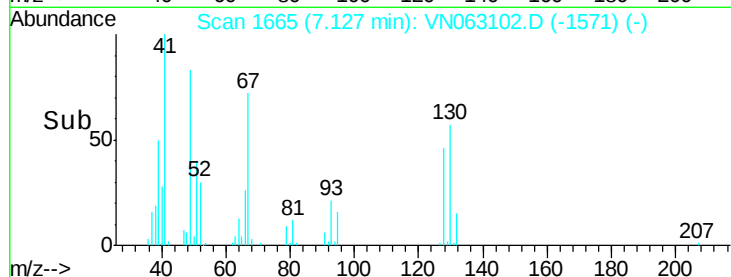
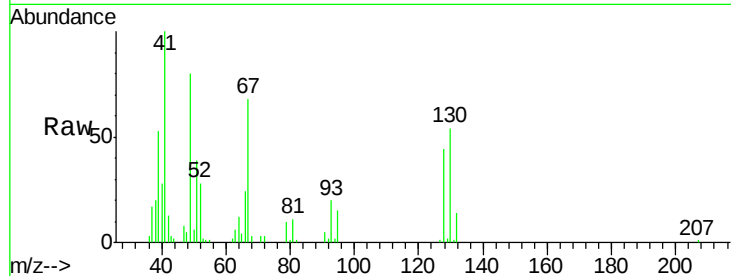
#41
Methacrylonitrile
Concen: 49.400 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	55687
Ion	Ratio	Lower	Upper
41	100		
39	60.8	41.6	62.4
67	91.3	71.8	107.8
52	38.0	28.2	42.4

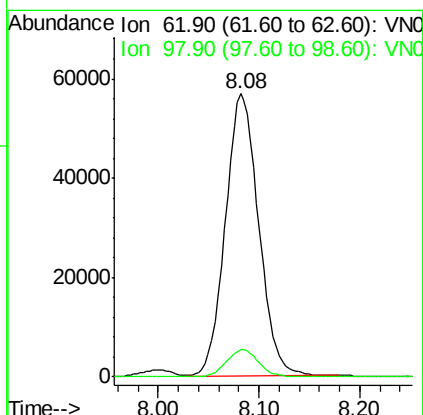
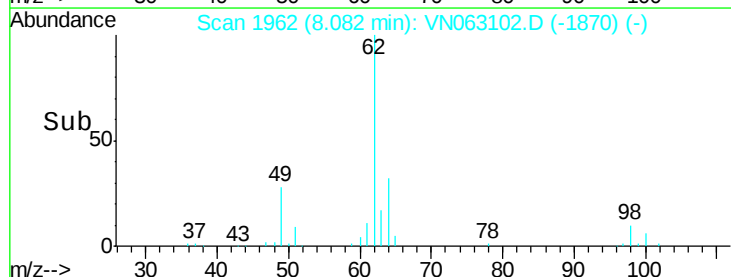
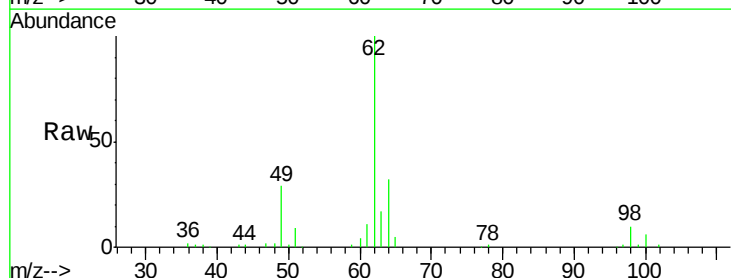
Manual Integrations
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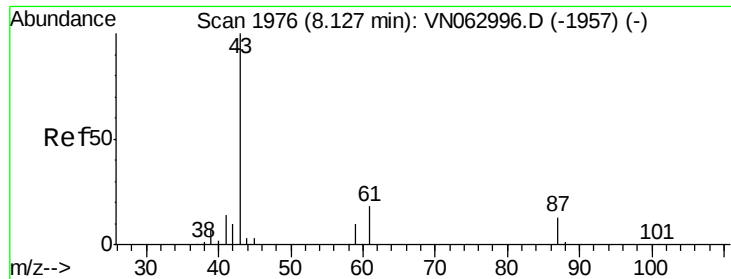
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#42
1,2-Dichloroethane
Concen: 48.621 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion:	62	Resp:	130741
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4





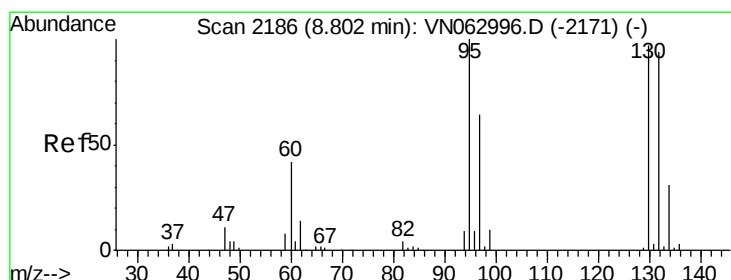
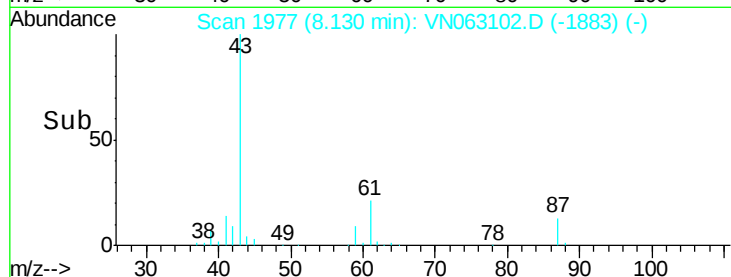
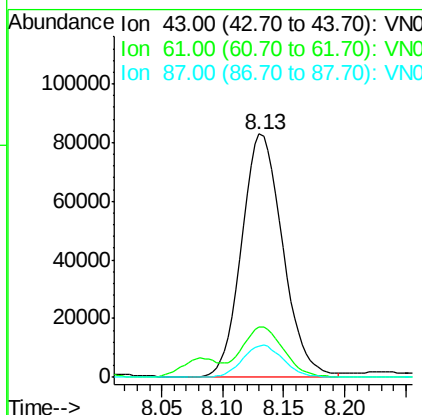
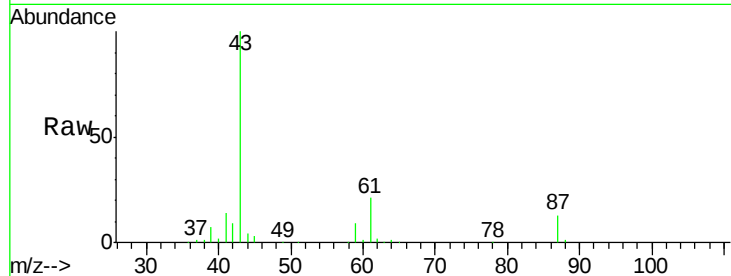
#43
Isopropyl Acetate
Concen: 49.094 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	22.6	33.8#
87	13.3	10.5	15.7

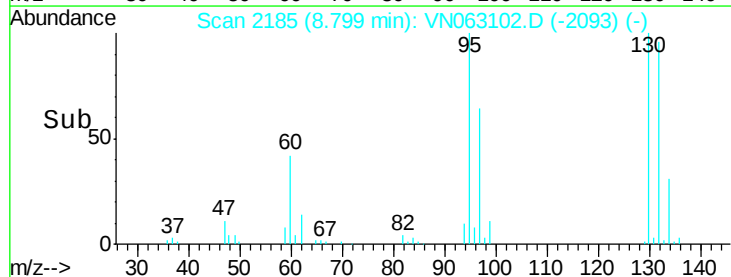
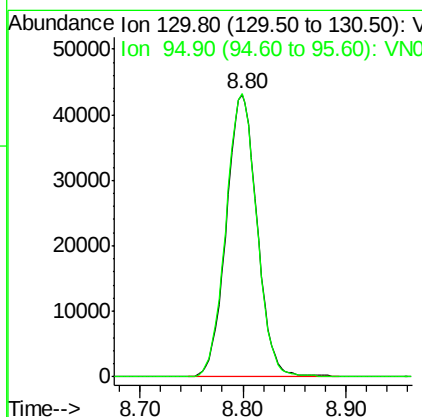
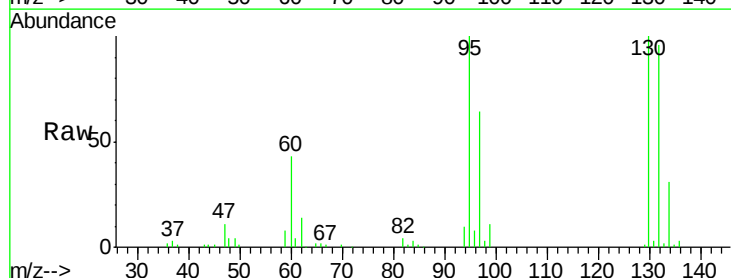
Manual Integrations
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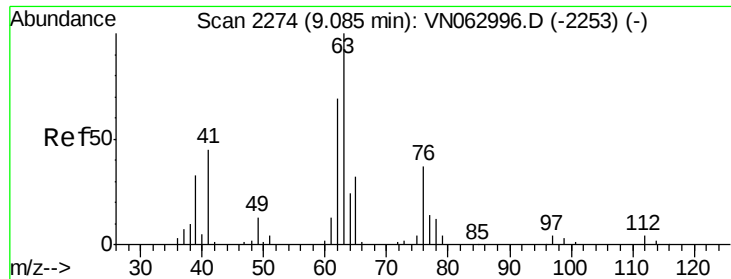
MMDadoda
8/25/2020 12:14:05 PM



#44
Trichloroethene
Concen: 44.930 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	205.6





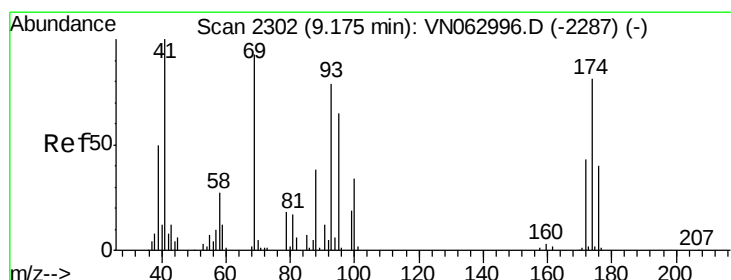
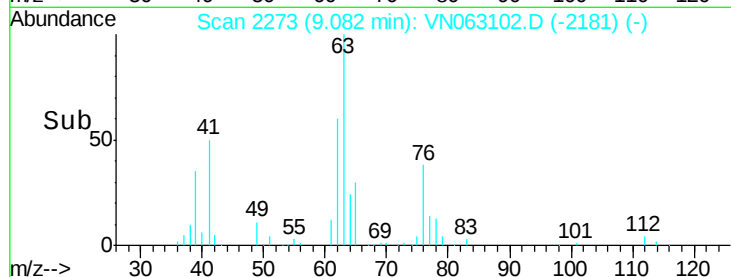
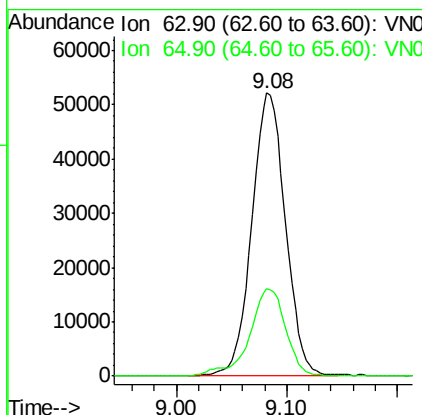
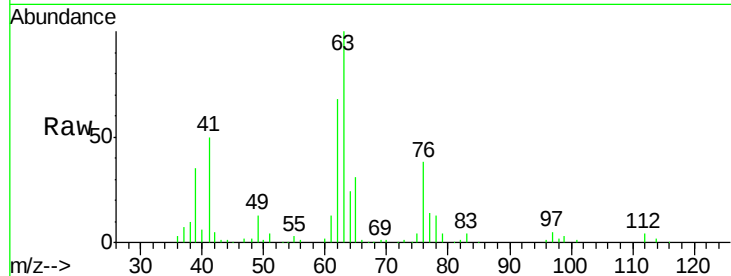
#45
 1,2-Dichloropropane
 Concen: 47.681 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 110377
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.6 38.4

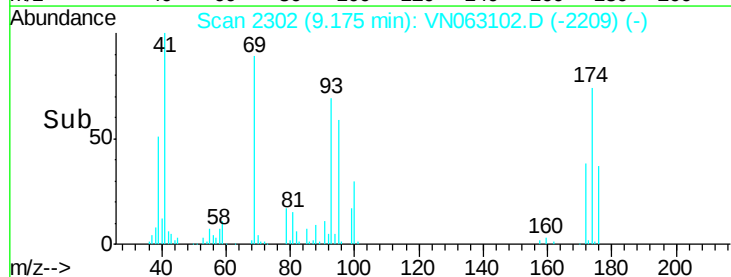
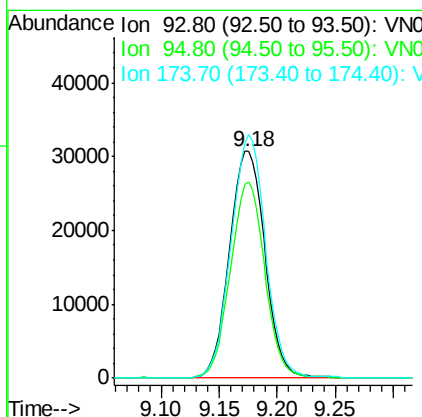
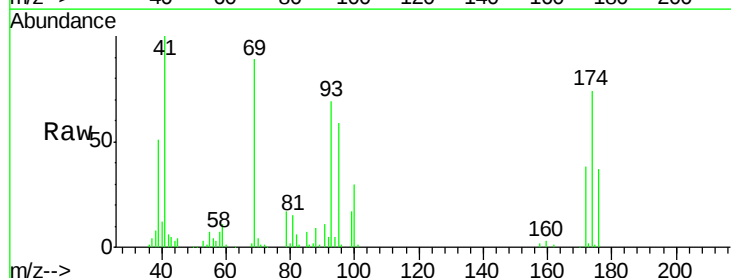
Manual Integrations
 APPROVED

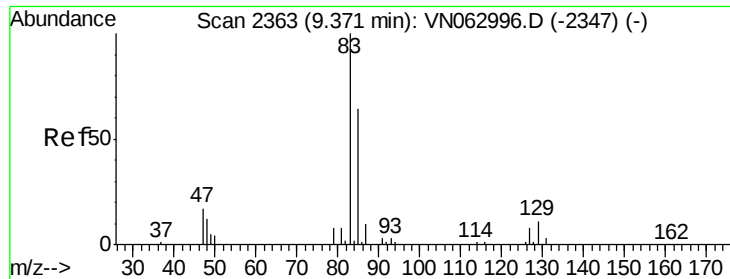
MMDadoda
 8/25/2020 12:14:05 PM



#46
 Dibromomethane
 Concen: 48.672 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion: 93 Resp: 65089
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.2 99.4
 174 104.3 84.6 127.0





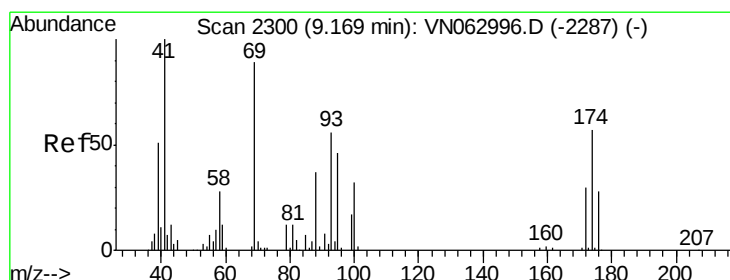
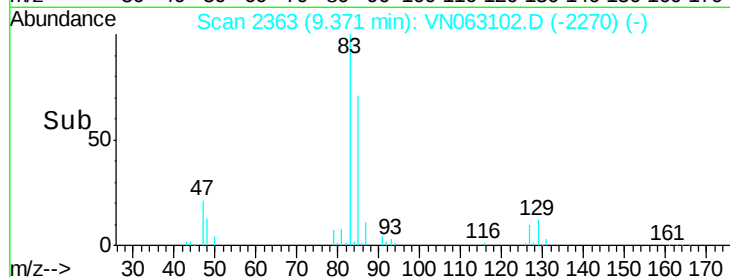
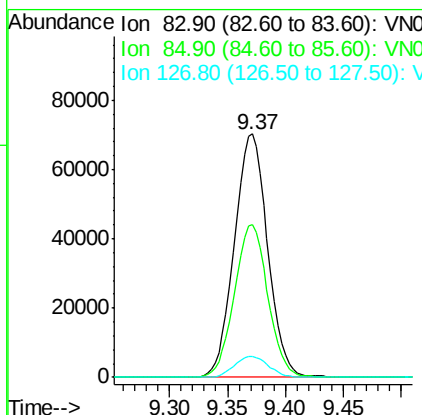
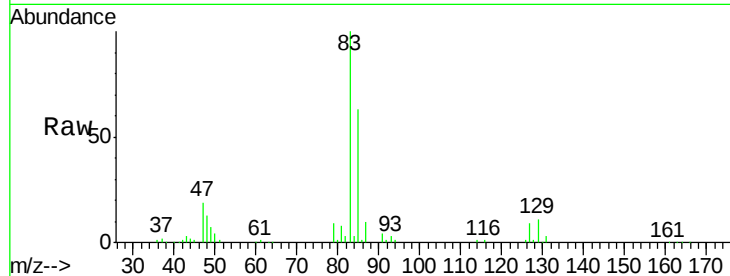
#47
Bromodichloromethane
Concen: 47.727 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	139791
Ion Ratio	100	Lower	Upper
83	100		
85	62.8	51.1	76.7
127	8.6	6.6	9.8

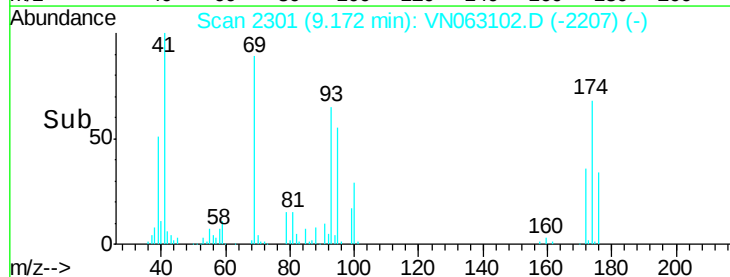
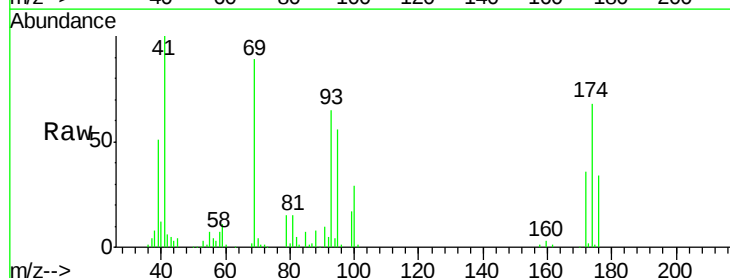
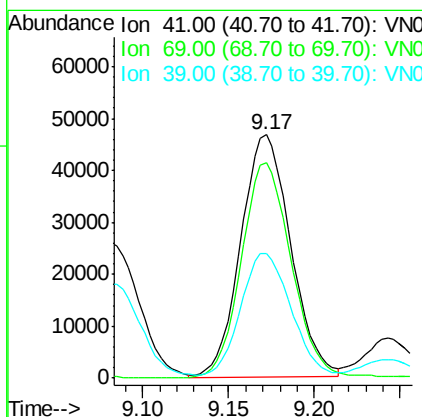
Manual Integrations
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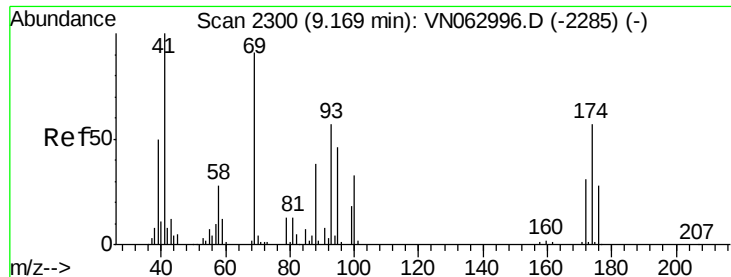
MMDadoda
8/25/2020 12:14:05 PM



#48
Methyl methacrylate
Concen: 51.101 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion	41	Resp	94770
Ion Ratio	100	Lower	Upper
41	100		
69	88.9	74.2	111.4
39	52.6	42.5	63.7





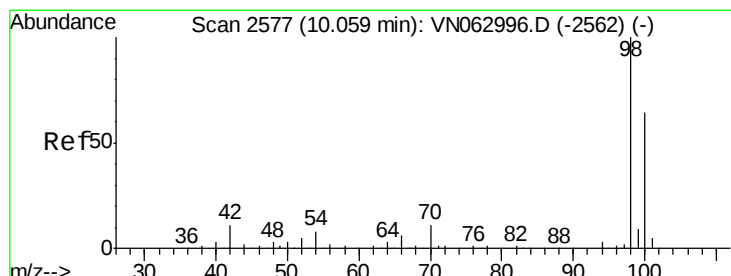
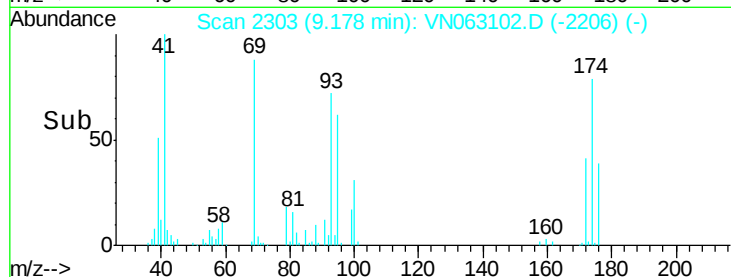
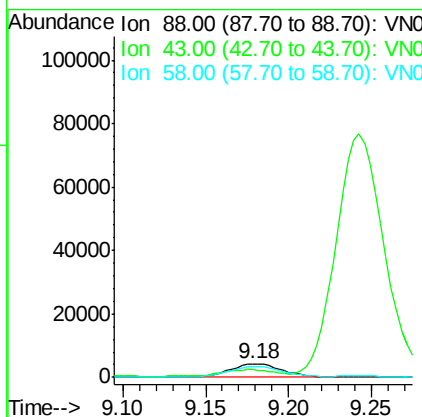
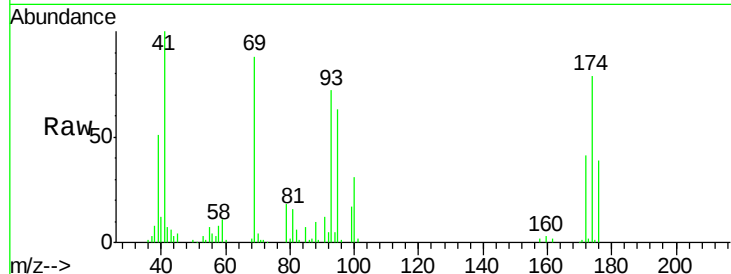
#49
1,4-Dioxane
Concen: 240.123 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	9318
Ion	Ratio	Lower	Upper
88	100		
43	51.6	25.2	37.8#
58	85.8	56.7	85.1#

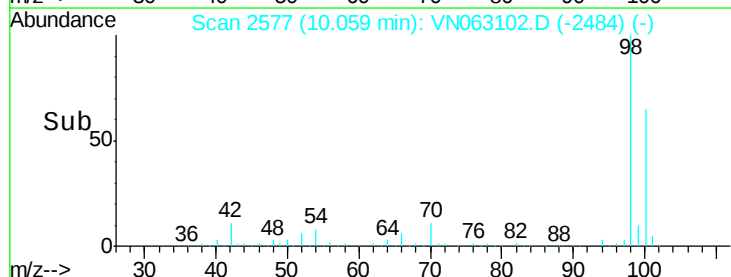
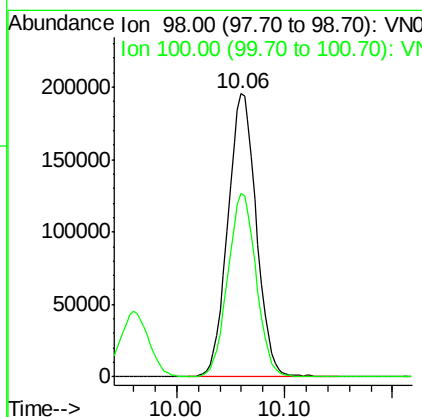
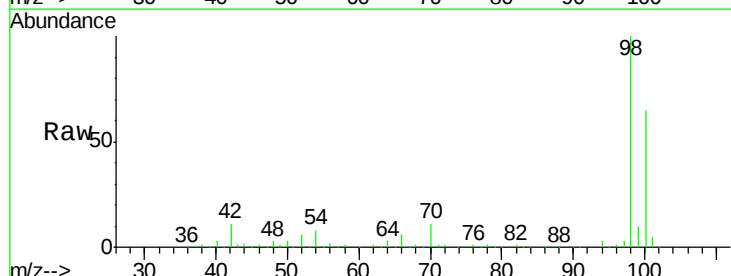
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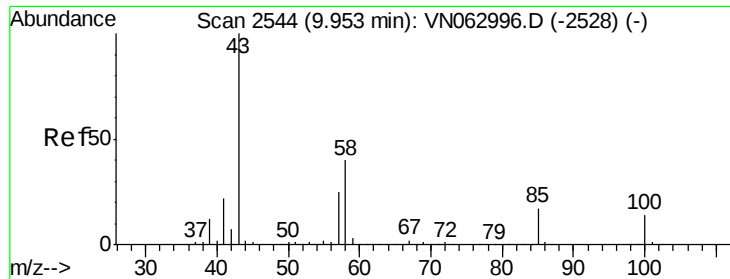
MMDadoda
8/25/2020 12:14:05 PM



#50
Toluene-d8
Concen: 50.213 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion	98	Resp	360082
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 242.504 ug/l

RT: 9.96 min Scan# 2546

Delta R.T. 0.01 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 600817

Ion Ratio Lower Upper

43 100

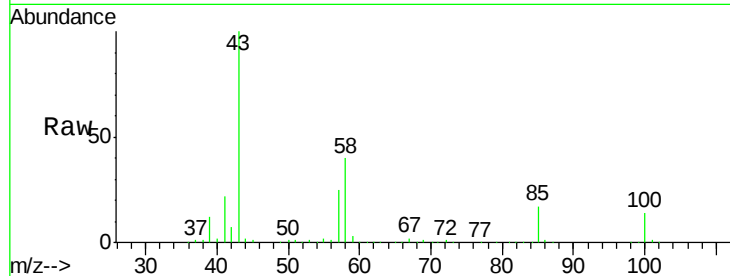
58 39.7 32.2 48.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-2528) (-)

9.96

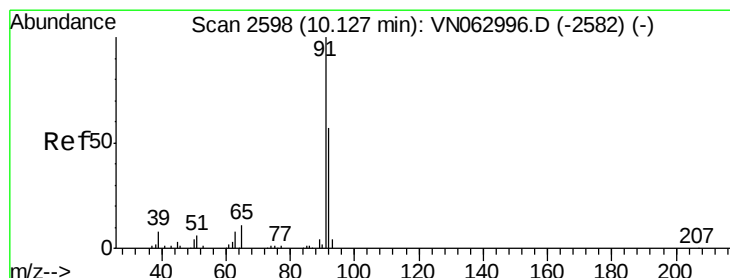
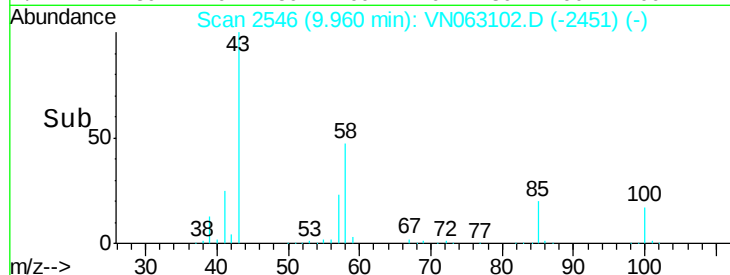
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.633 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063102.D

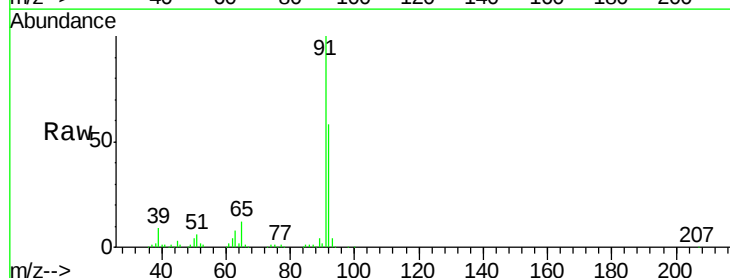
Acq: 24 Aug 2020 17:53

Tgt Ion: 92 Resp: 230112

Ion Ratio Lower Upper

92 100

91 173.8 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN062996.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062996.D (-2582) (-)

250000

200000

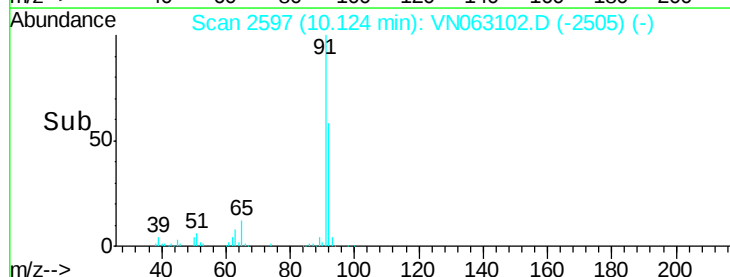
150000

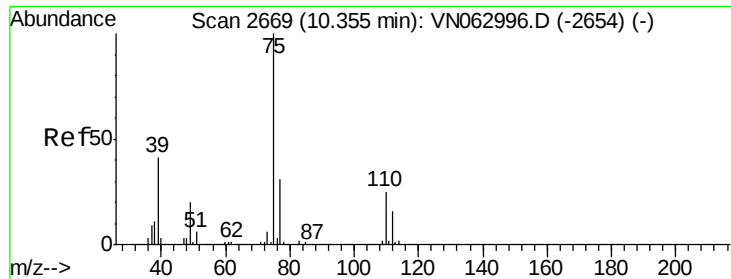
100000

50000

0

Time-->





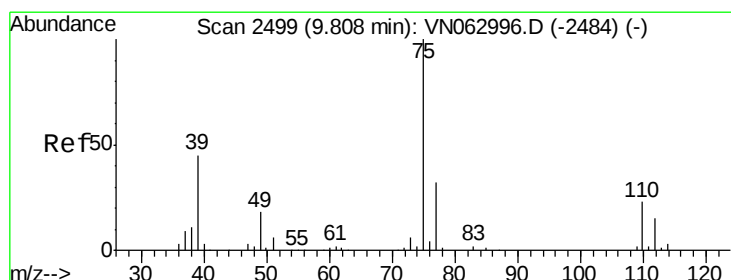
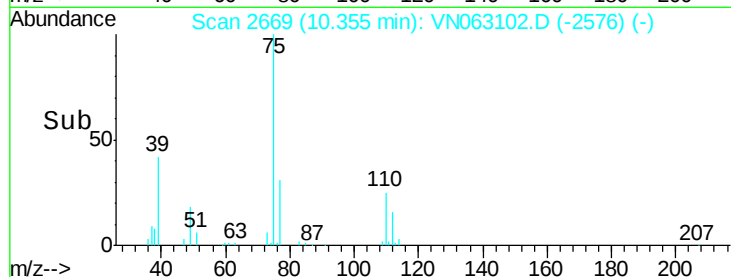
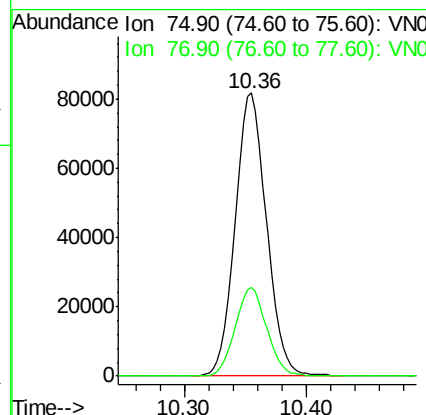
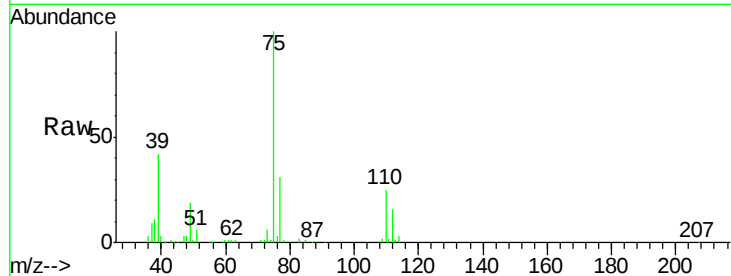
#53
 t-1,3-Dichloropropene
 Concen: 48.250 ug/l
 RT: 10.36 min Scan# 2669
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	37.0

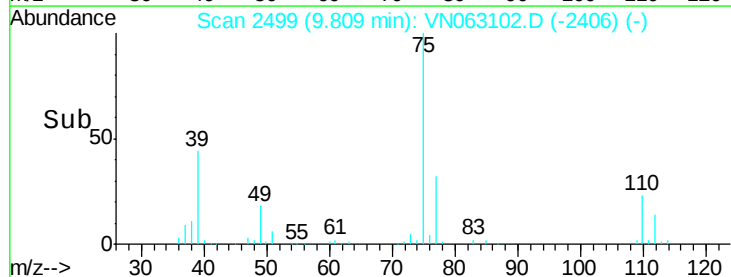
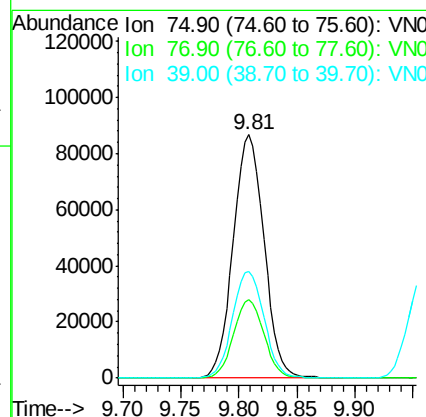
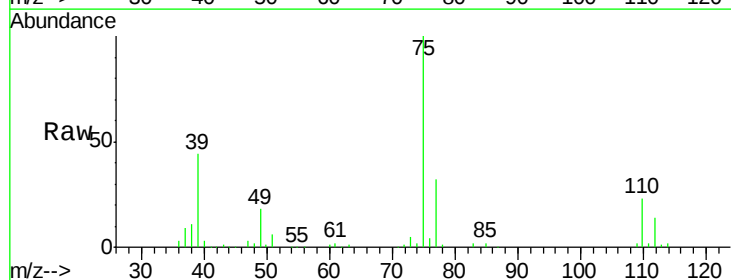
Manual Integrations
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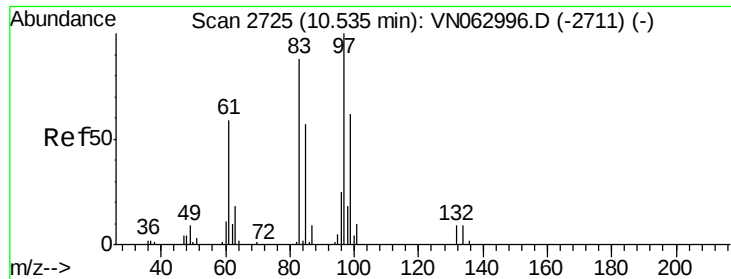
MMDadoda
 8/25/2020 12:14:05 PM



#54
 cis-1,3-Dichloropropene
 Concen: 48.370 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2
39	43.9	35.7	53.5





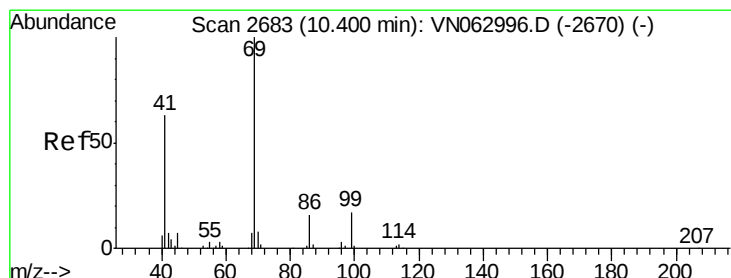
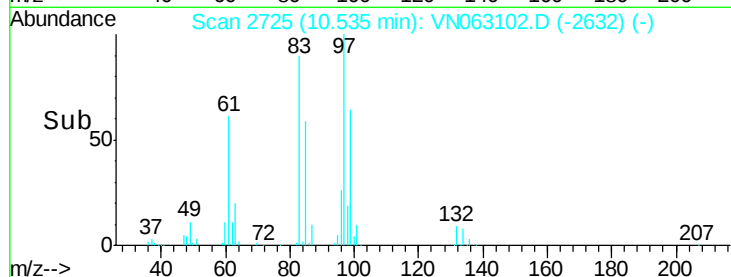
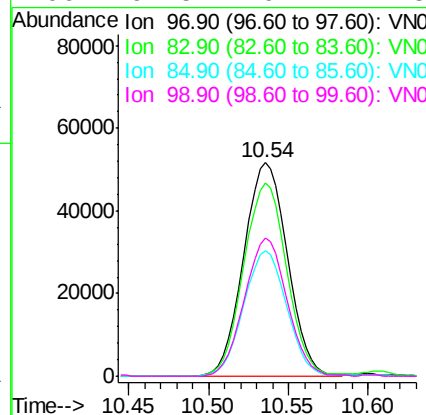
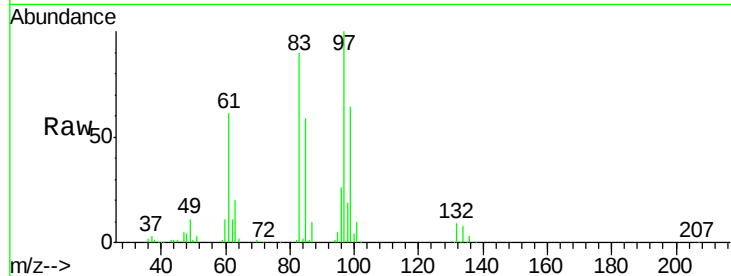
#55
 1,1,2-Trichloroethane
 Concen: 46.887 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	96852
Ion	Ratio	Lower	Upper
97	100		
83	90.2	70.5	105.7
85	59.0	45.8	68.6
99	64.5	49.7	74.5

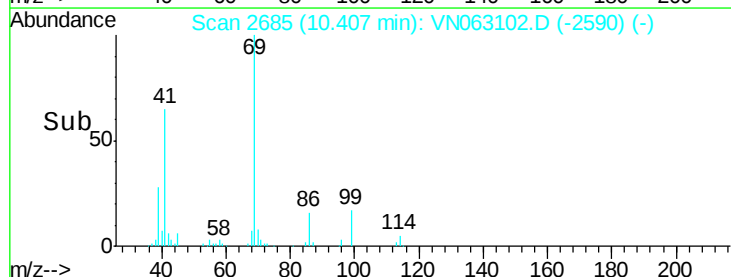
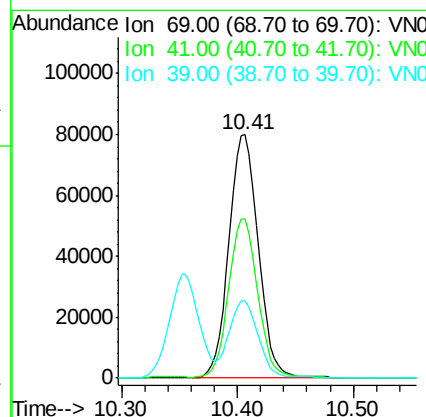
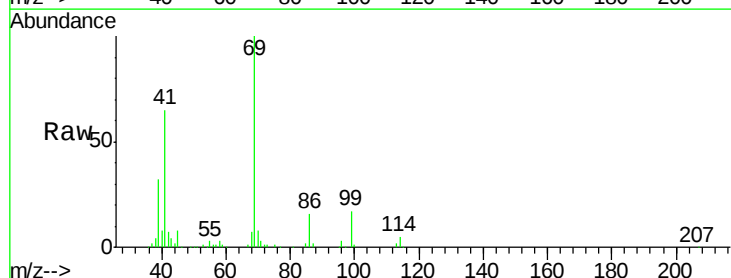
Manual Integrations
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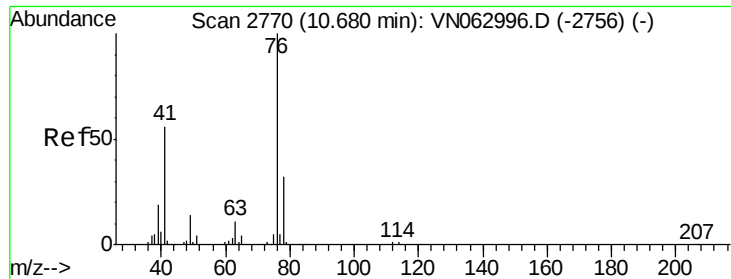
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 44.169 ug/l
 RT: 10.41 min Scan# 2685
 Delta R.T. 0.01 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion	69	Resp	140244
Ion	Ratio	Lower	Upper
69	100		
41	64.1	50.2	75.2
39	30.7	24.2	36.4





#57

1,3-Dichloropropane

Concen: 47.859 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 164163

Ion Ratio Lower Upper

76 100

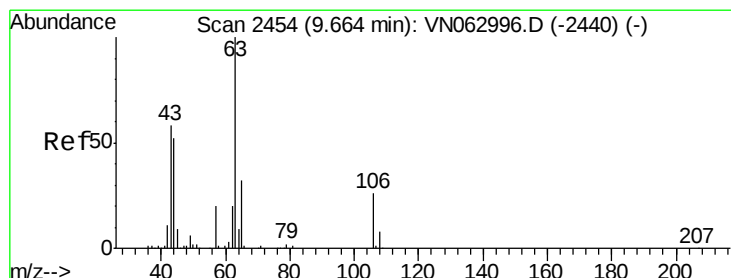
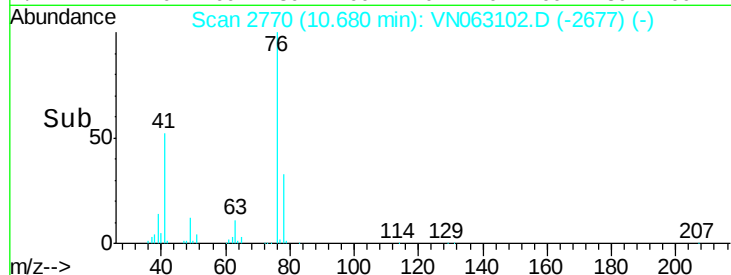
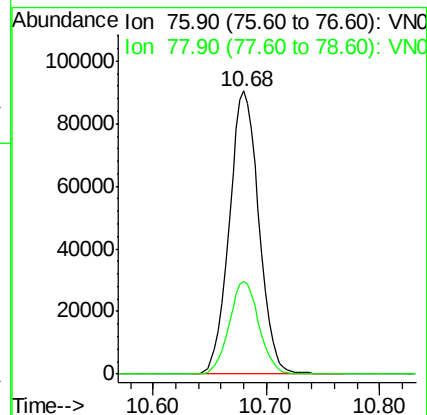
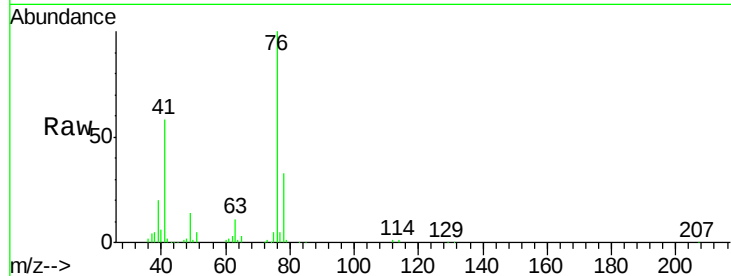
78 32.9 26.1 39.1

Manual Integrations

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MMDadoda

8/25/2020 12:14:05 PM



#58

2-Chloroethyl Vinyl ether

Concen: 273.355 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN063102.D

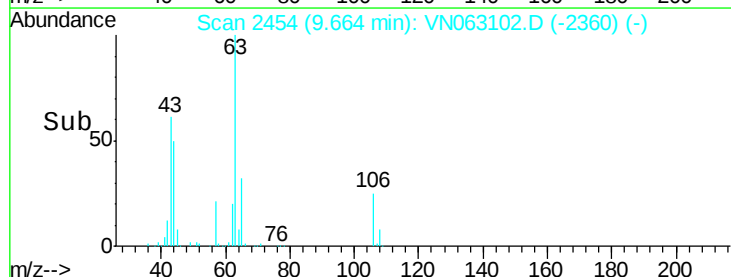
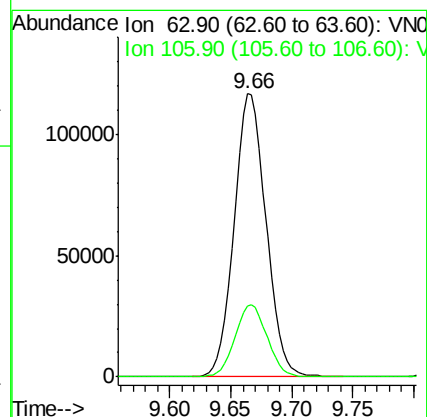
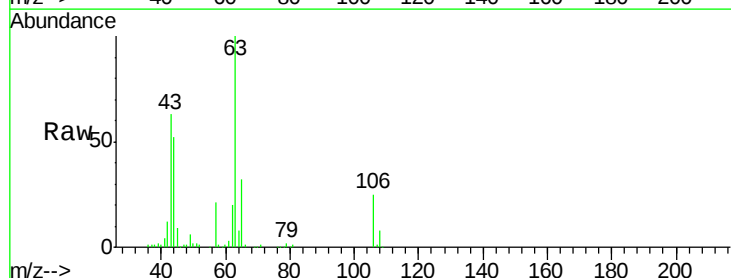
Acq: 24 Aug 2020 17:53

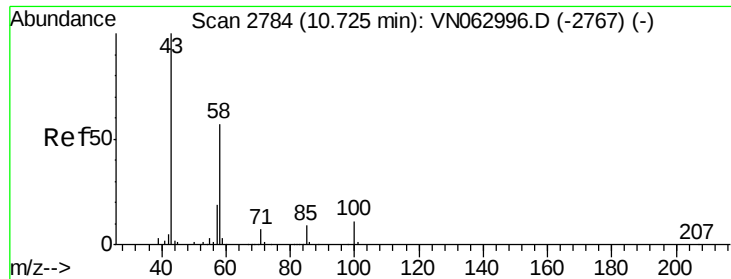
Tgt Ion: 63 Resp: 212951

Ion Ratio Lower Upper

63 100

106 25.5 20.7 31.1





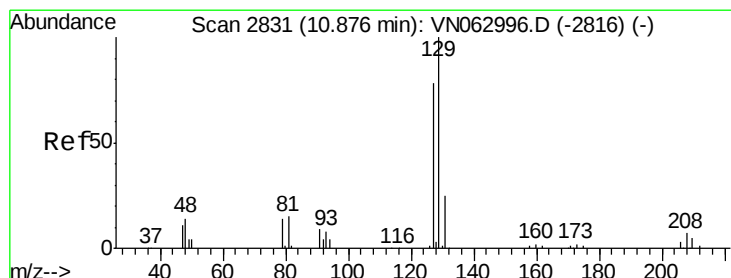
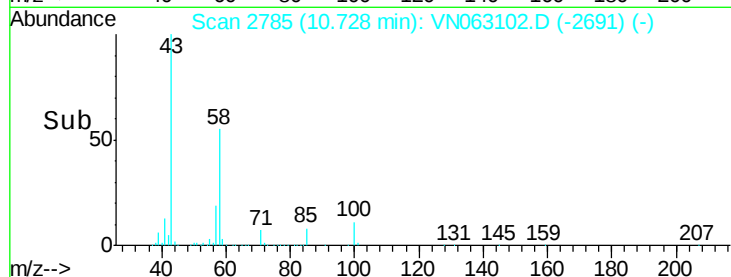
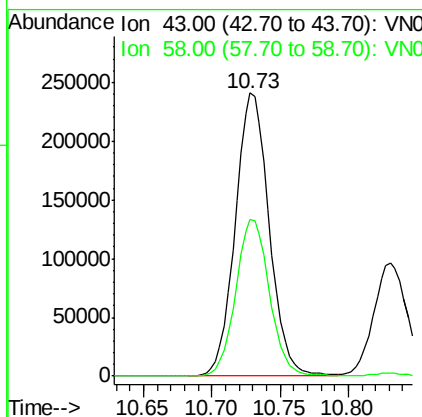
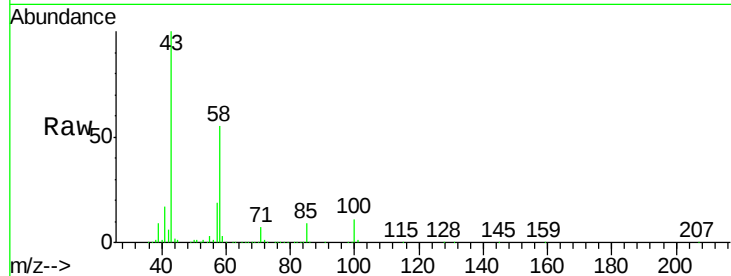
#59
2-Hexanone
Concen: 239.374 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	28.1	84.3

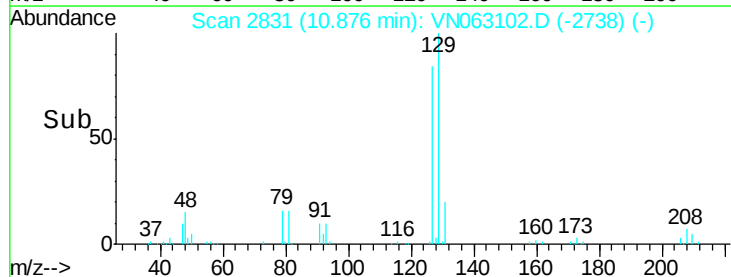
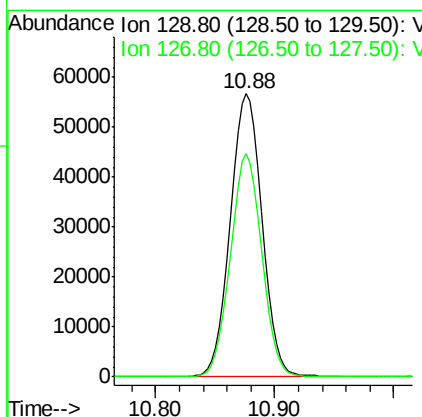
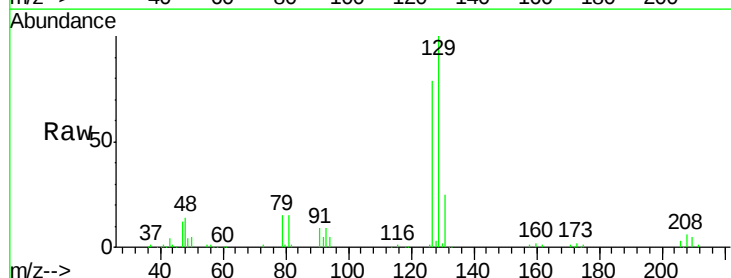
Manual Integrations
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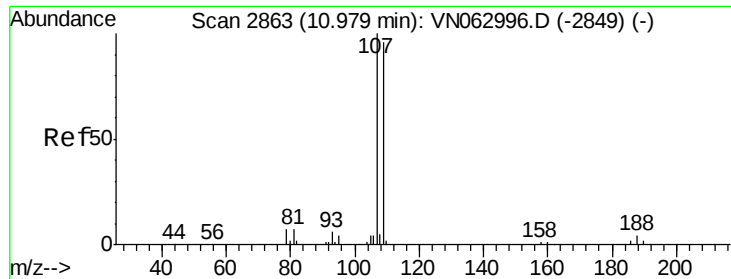
MMDadoda
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#60
Dibromochloromethane
Concen: 45.994 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.4	115.2





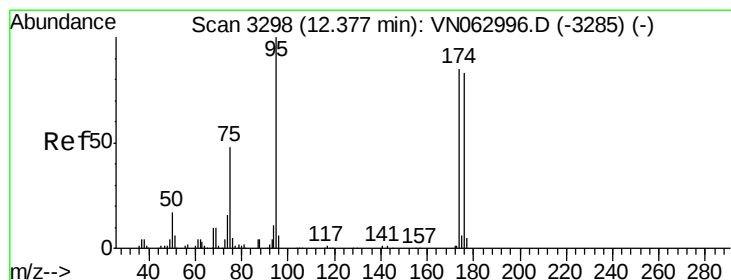
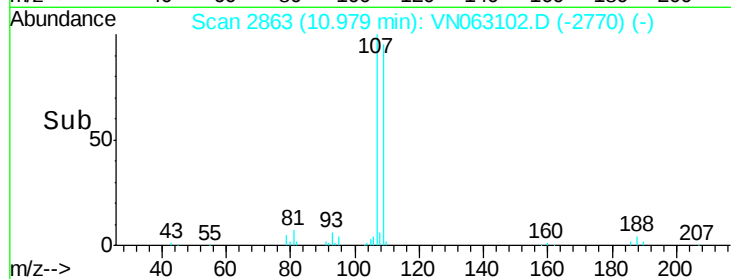
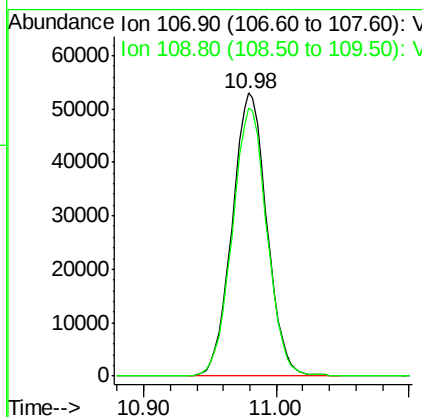
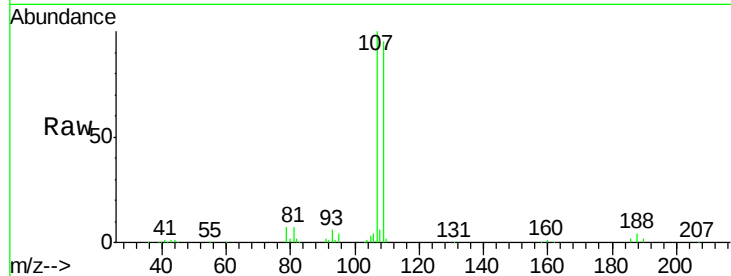
#61
 1,2-Dibromoethane
 Concen: 48.372 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.7	113.5

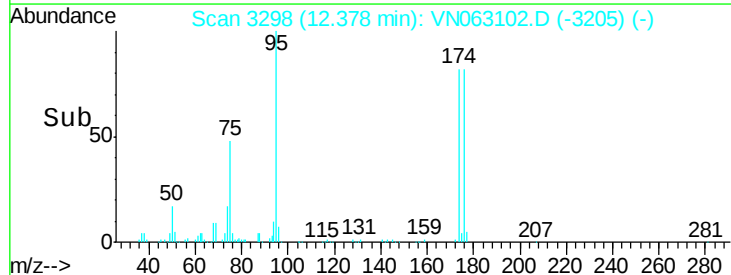
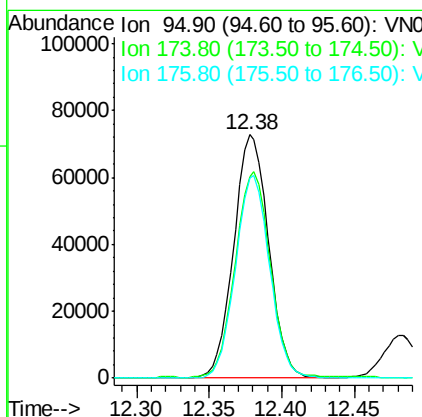
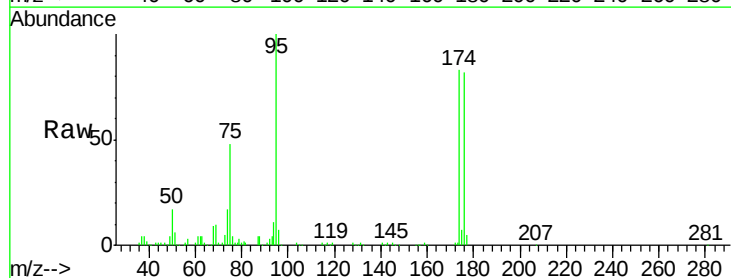
Manual Integrations
 APPROVED

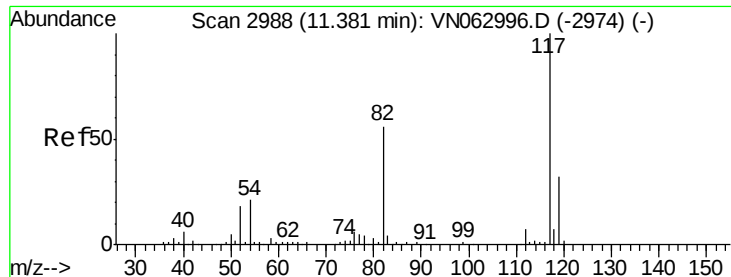
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 48.249 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	170.8
176	81.4	0.0	164.8





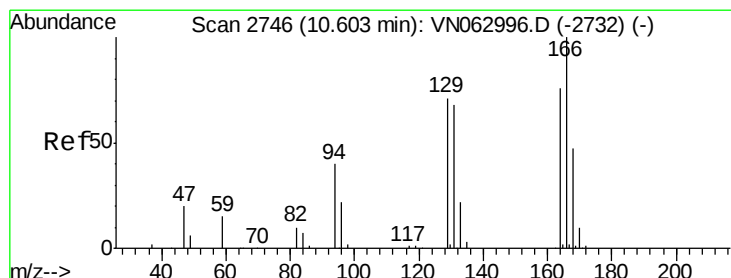
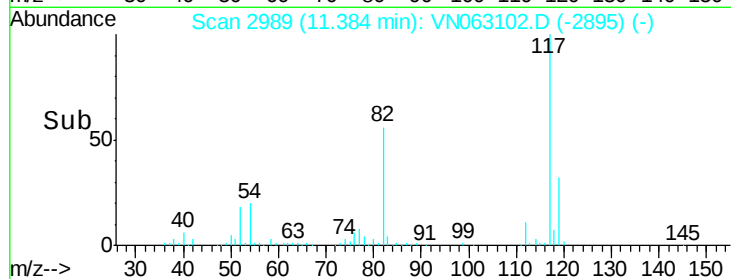
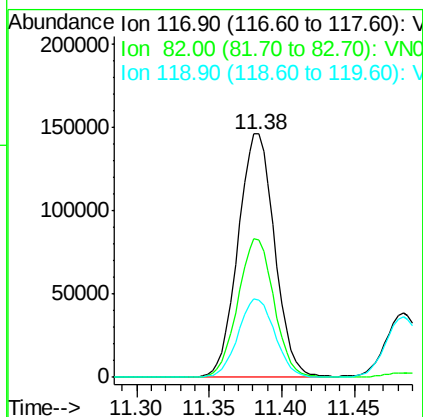
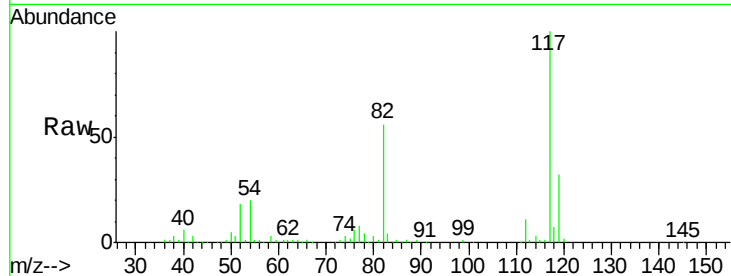
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2989
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.5	66.7
119	31.8	25.5	38.3

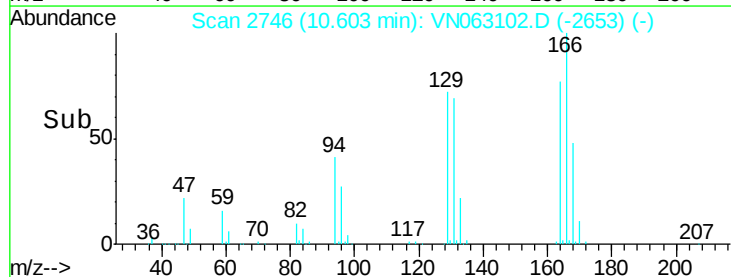
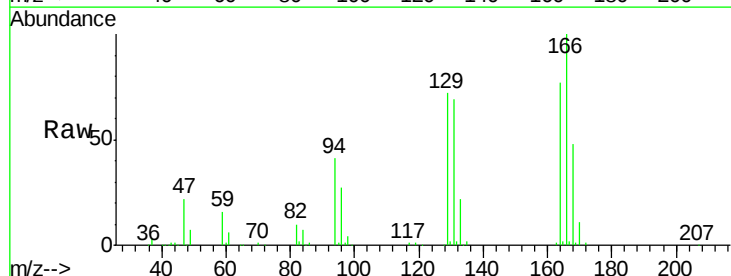
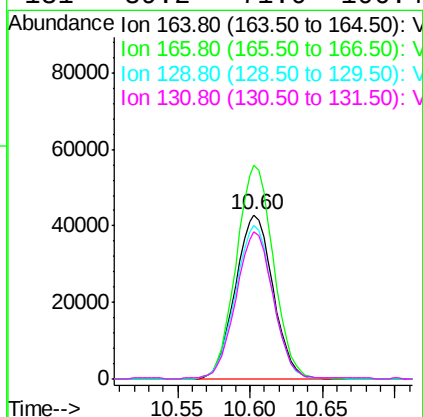
Manual Integrations
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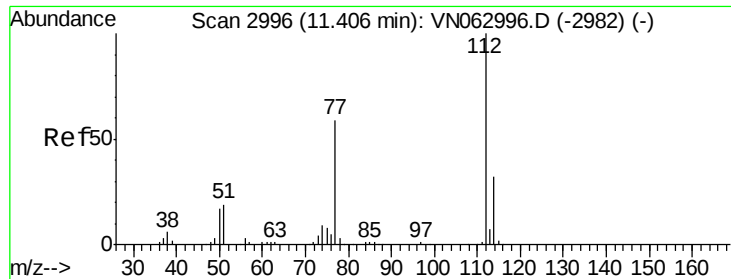
MMDadoda
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#64
Tetrachloroethene
Concen: 45.765 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	105.0	157.6
129	93.7	74.7	112.1
131	89.2	71.0	106.4





#65

Chlorobenzene

Concen: 46.913 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 242362

Ion Ratio Lower Upper

112 100

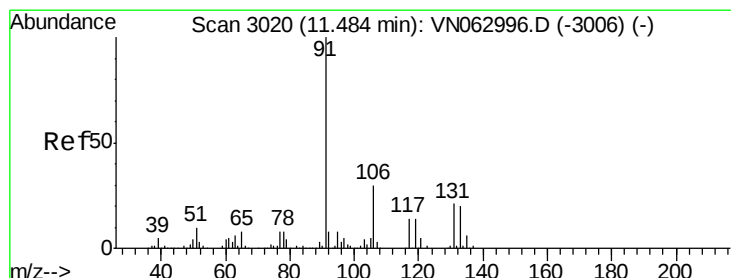
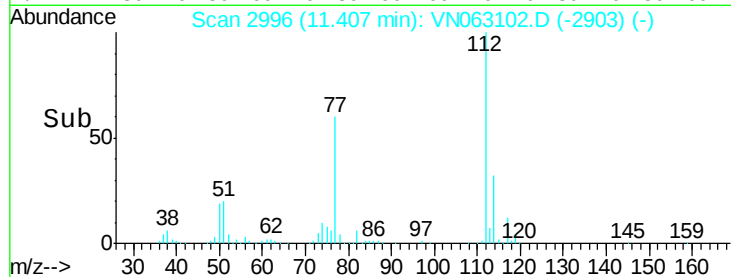
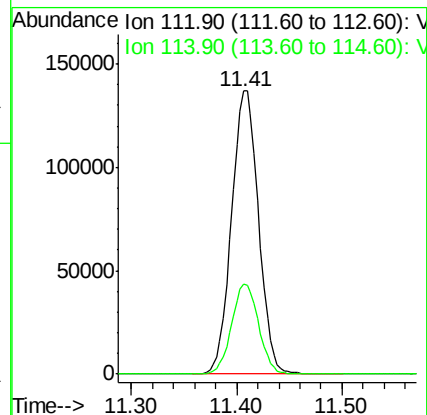
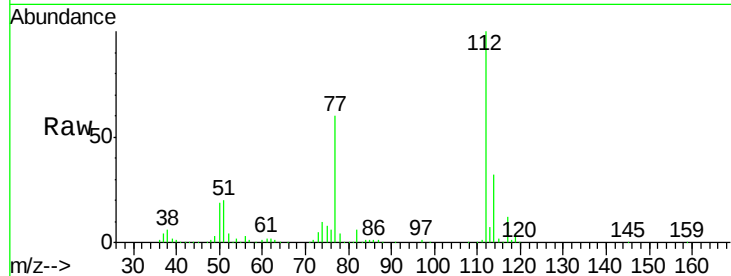
114 31.7 25.3 37.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 48.156 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

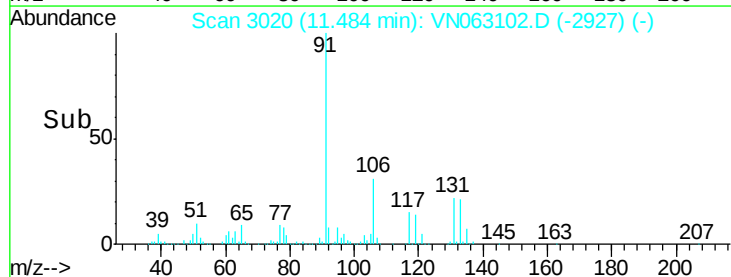
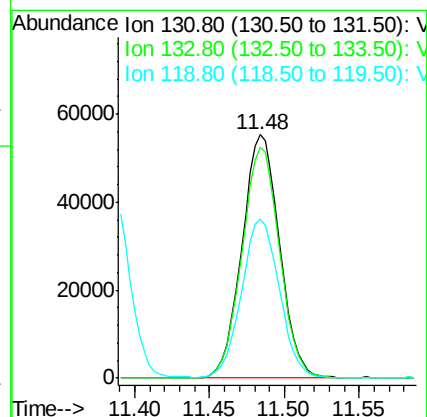
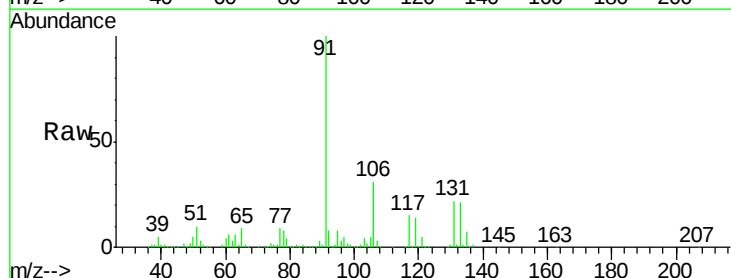
Tgt Ion:131 Resp: 96766

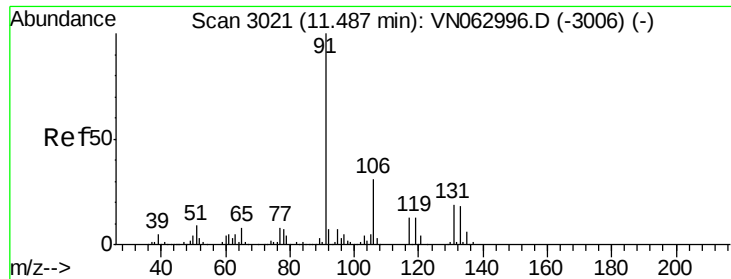
Ion Ratio Lower Upper

131 100

133 95.0 47.5 142.6

119 65.1 33.1 99.3





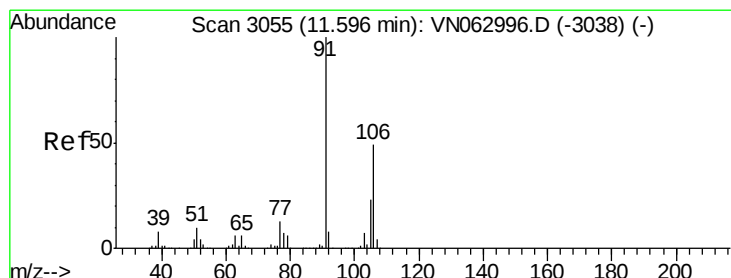
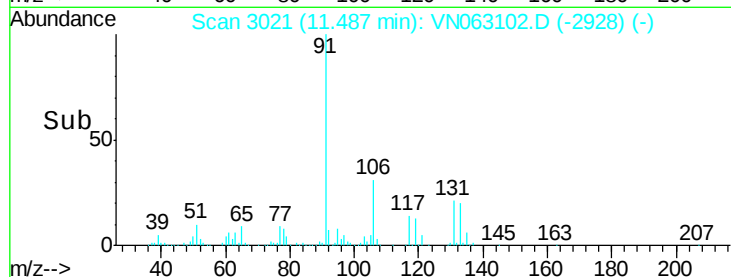
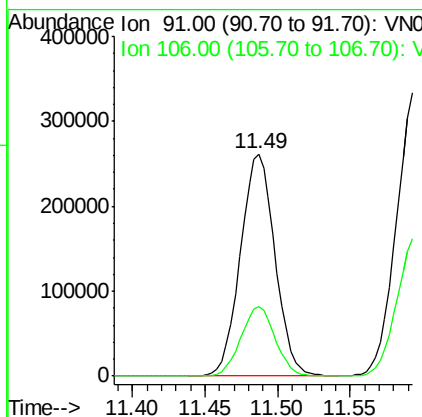
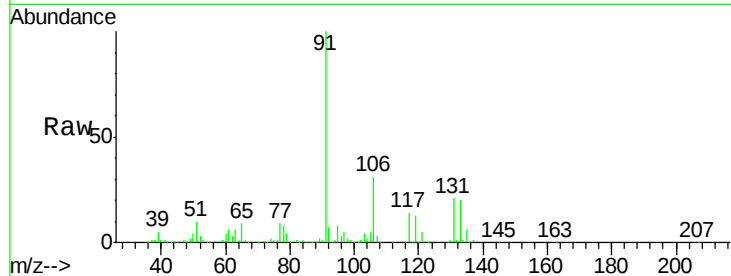
#67
Ethyl Benzene
Concen: 49.702 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 433869
Ion Ratio Lower Upper
91 100
106 31.1 24.6 37.0

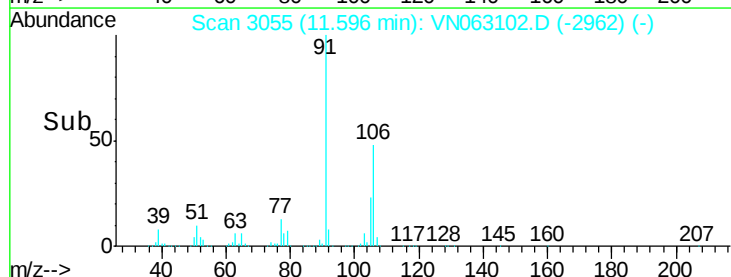
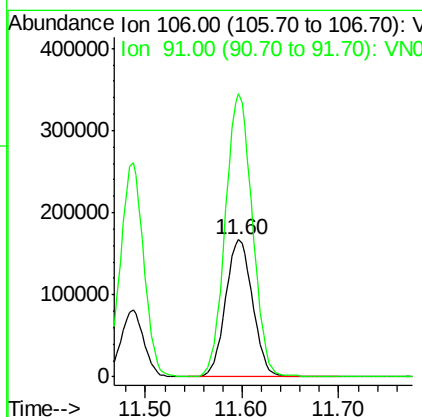
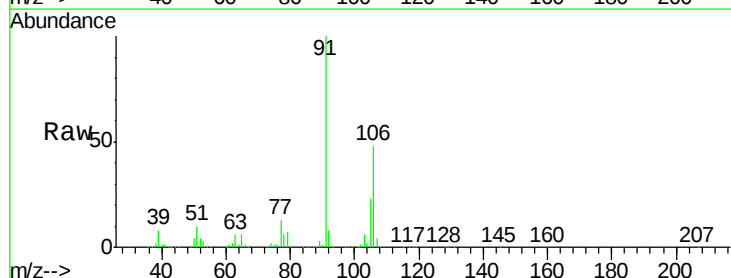
Manual Integrations
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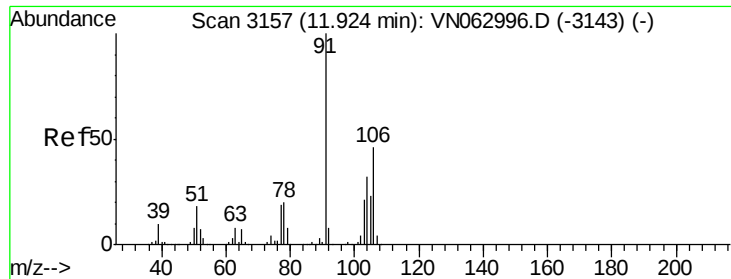
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#68
m/p-Xylenes
Concen: 99.763 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion: 106 Resp: 323674
Ion Ratio Lower Upper
106 100
91 205.6 163.0 244.4





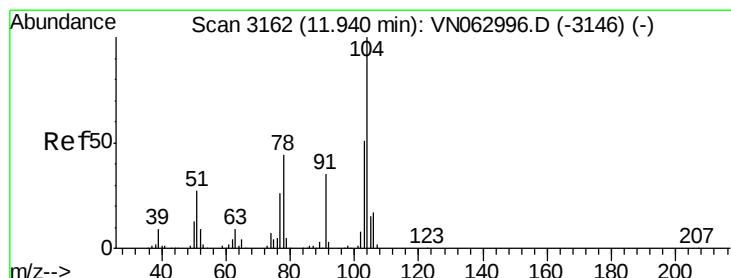
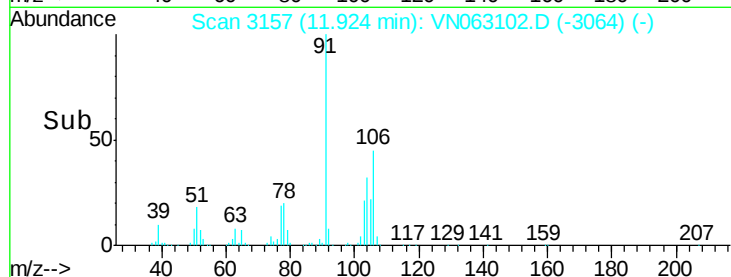
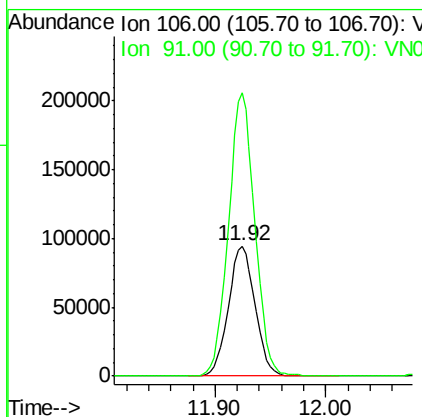
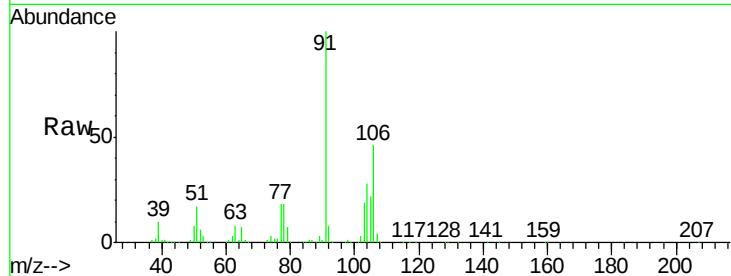
#69
o-Xylene
Concen: 50.756 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.9	107.3	321.9

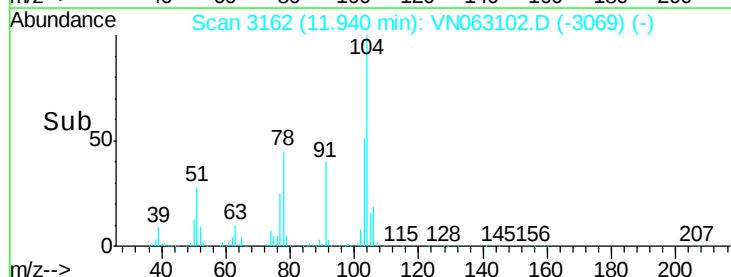
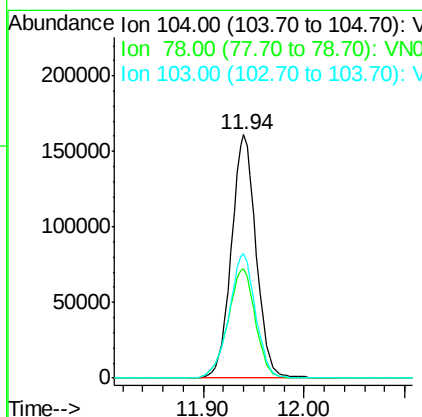
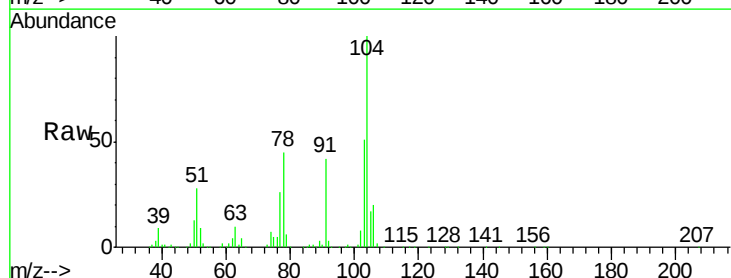
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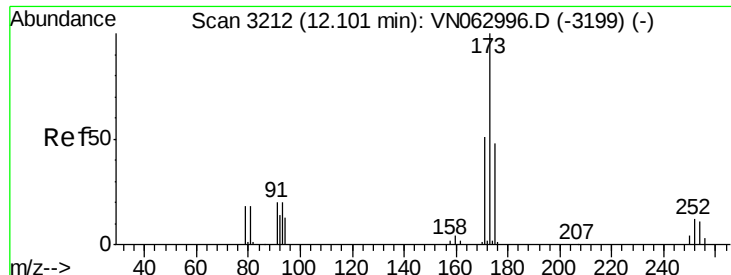
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#70
Styrene
Concen: 44.571 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	39.0	58.6
103	55.0	44.3	66.5





#71

Bromoform

Concen: 48.188 ug/l

RT: 12.10 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 77074

Ion Ratio Lower Upper

173 100

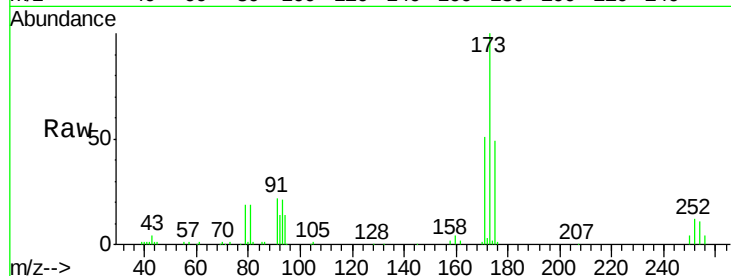
175 48.4 24.3 72.8

254 0.0 0.0 0.0

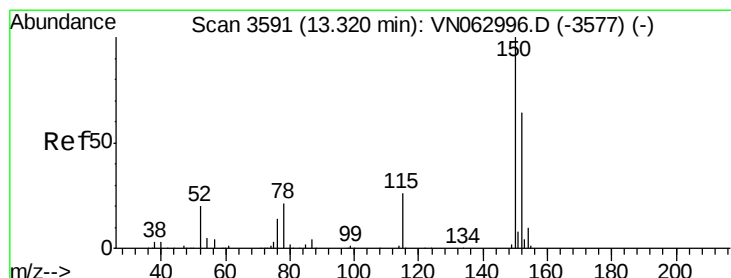
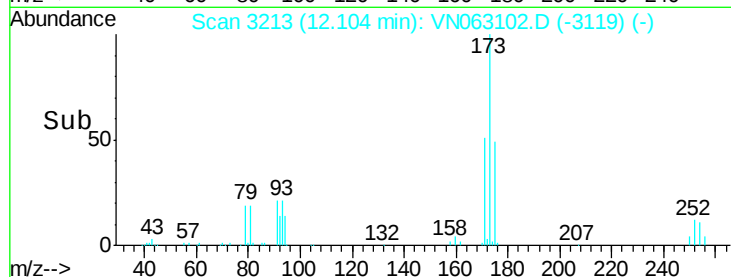
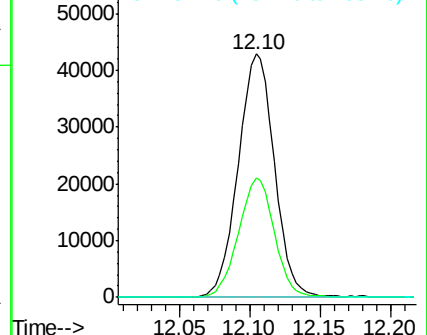
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

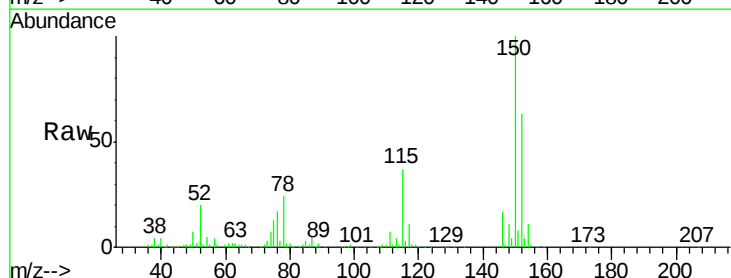
Tgt Ion:152 Resp: 122188

Ion Ratio Lower Upper

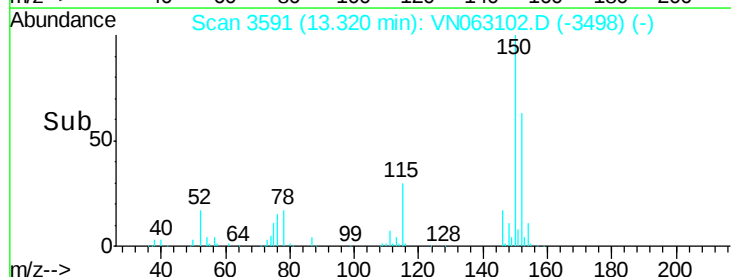
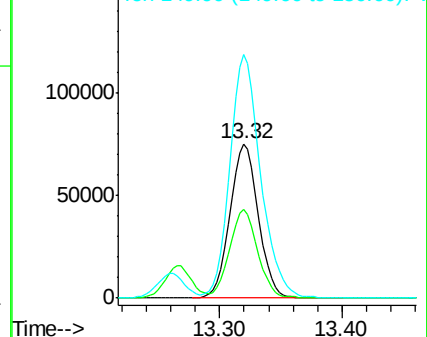
152 100

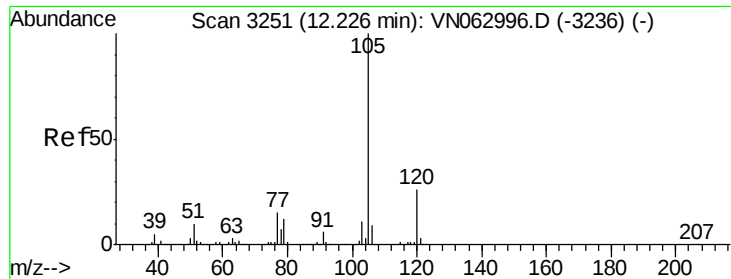
115 56.1 28.7 86.3

150 170.4 0.0 348.8



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: 49.685 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 415739

Ion Ratio Lower Upper

105 100

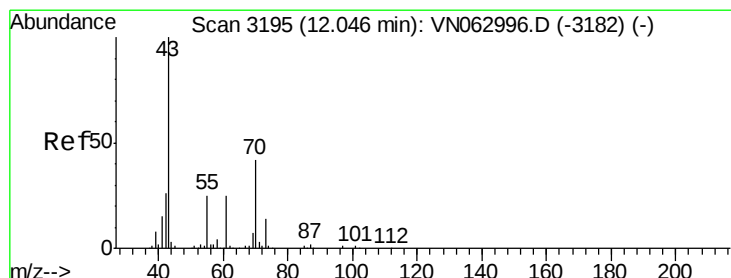
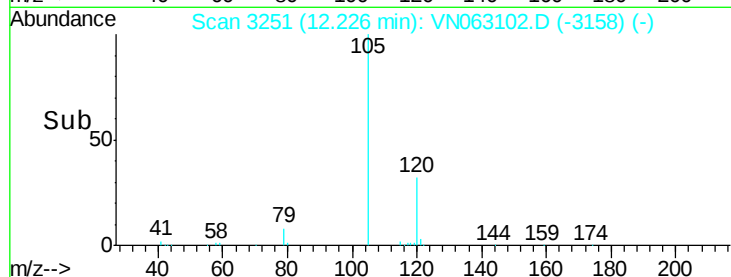
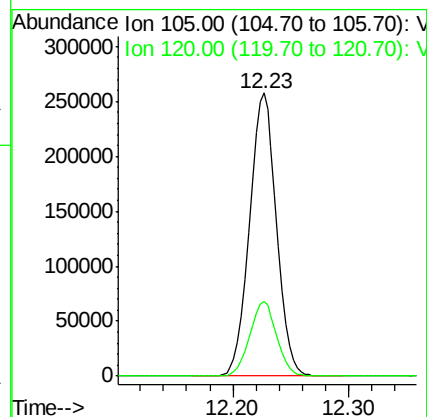
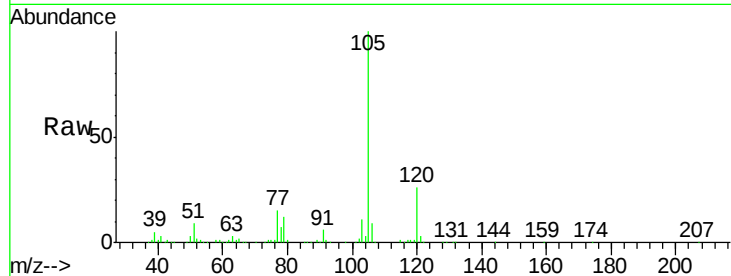
120 26.5 13.2 39.6

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#74

N-ethyl acetate

Concen: 58.086 ug/l

RT: 12.05 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Tgt Ion: 43 Resp: 174073

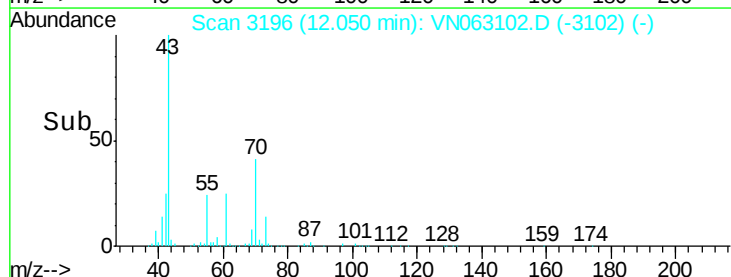
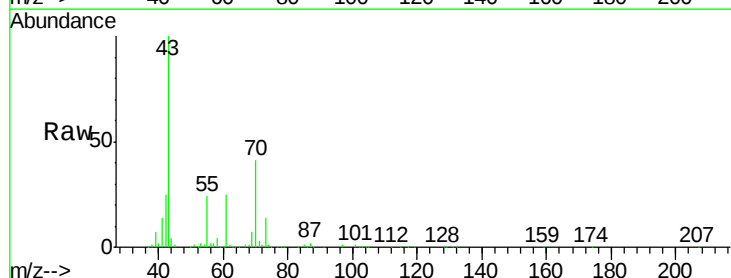
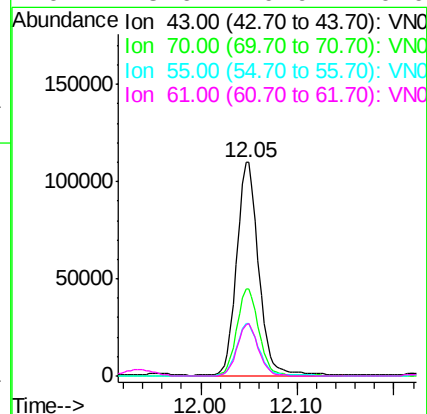
Ion Ratio Lower Upper

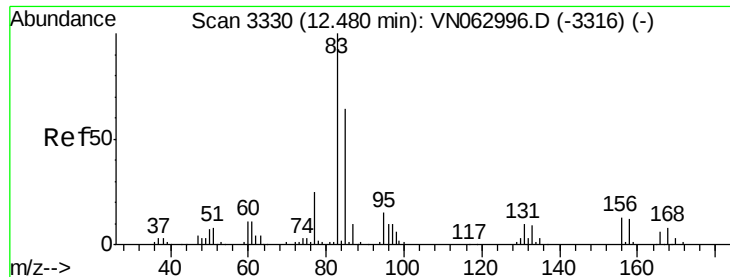
43 100

70 41.0 33.4 50.0

55 25.3 20.2 30.2

61 23.6 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.446 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

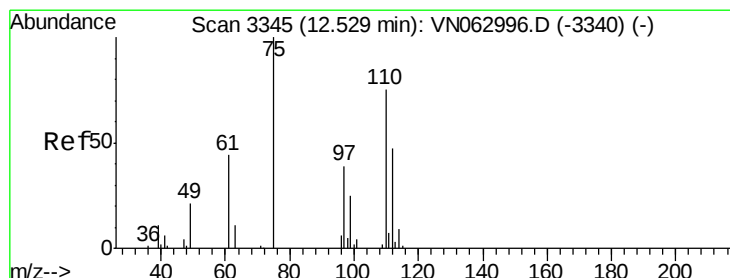
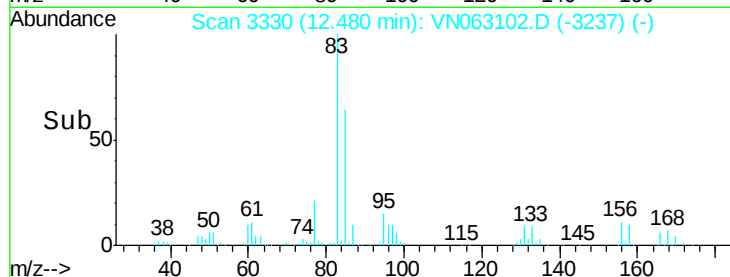
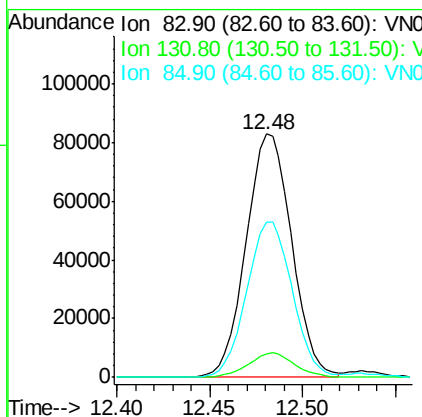
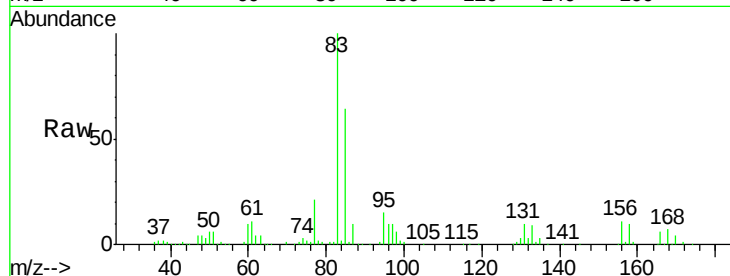
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	141387
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.7
85	64.0	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.927 ug/l m

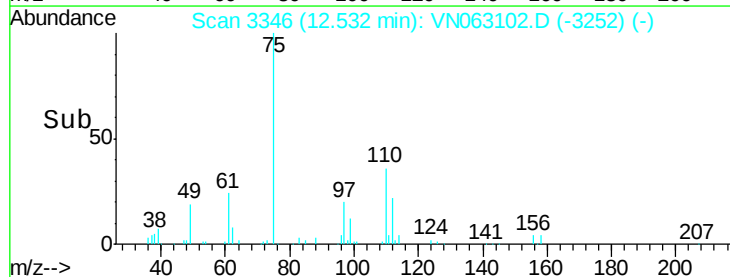
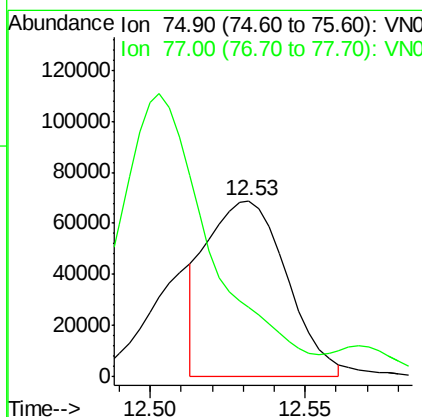
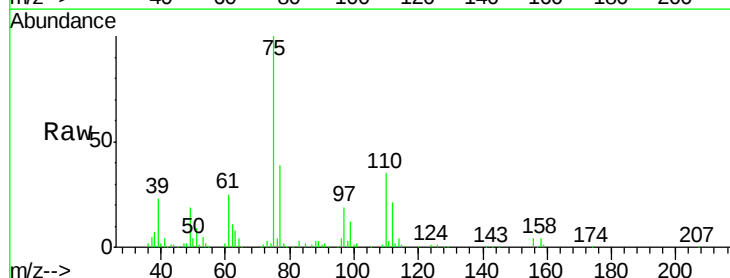
RT: 12.53 min Scan# 3346

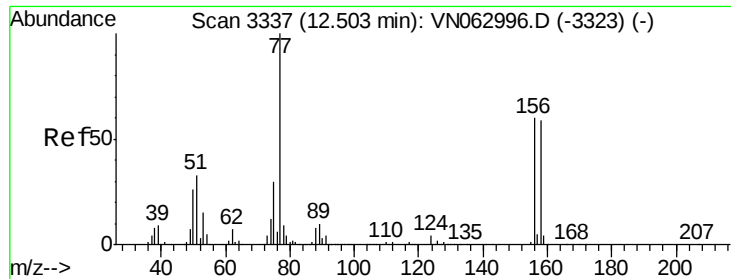
Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Tgt Ion:	75	Resp:	123330
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.886 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

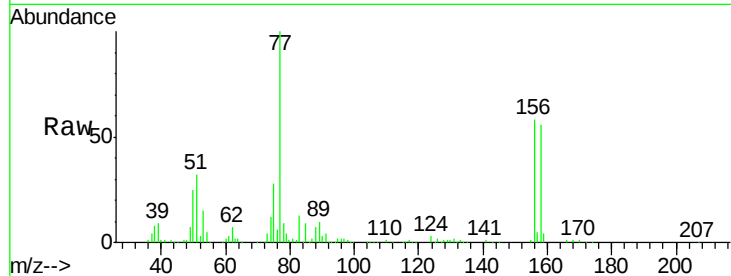
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	107898
Ion Ratio	Lower	Upper	
156	100		
77	210.6	101.0	302.9
158	98.0	49.4	148.0

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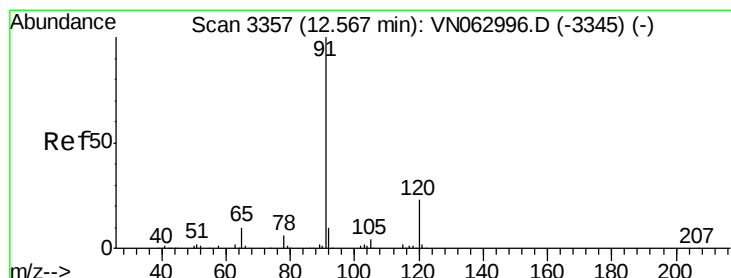
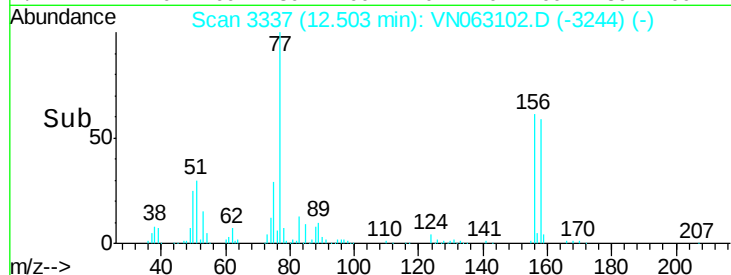
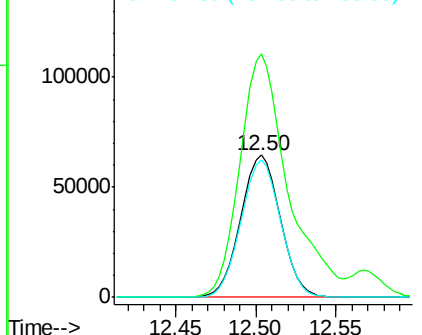
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.417 ug/l

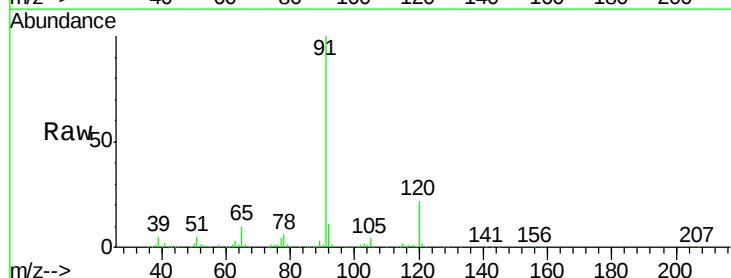
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN063102.D

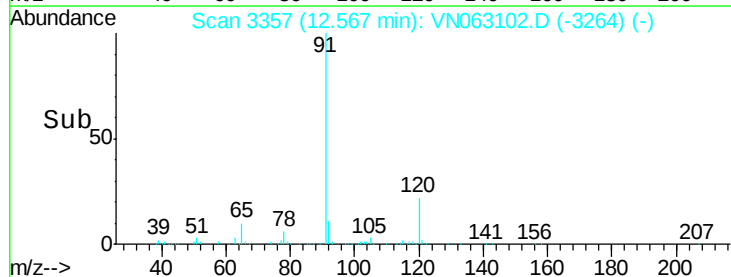
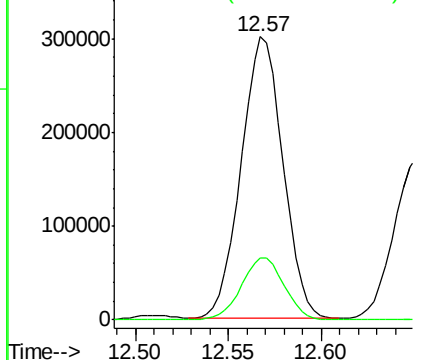
Acq: 24 Aug 2020 17:53

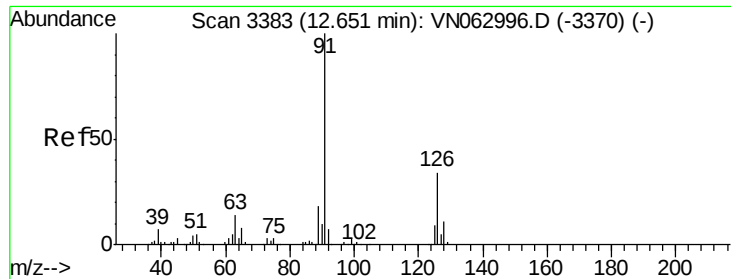
Tgt Ion:	91	Resp:	471307
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.4	34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





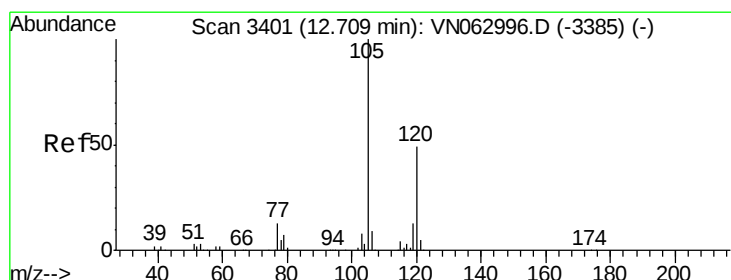
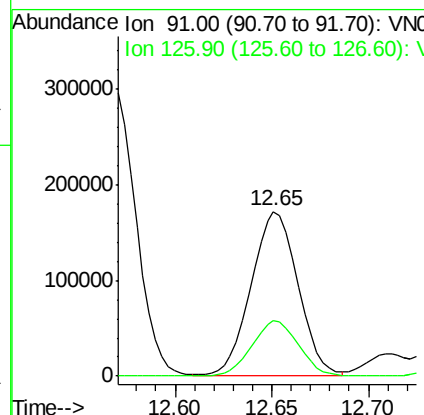
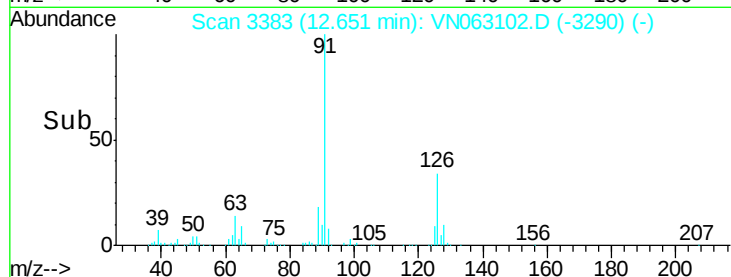
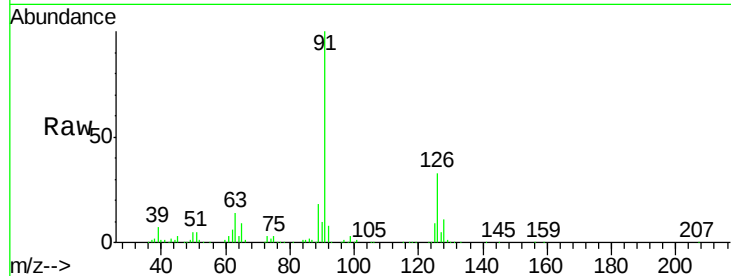
#79
 2-Chlorotoluene
 Concen: 47.840 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 286989
 Ion Ratio Lower Upper
 91 100
 126 33.8 17.1 51.2

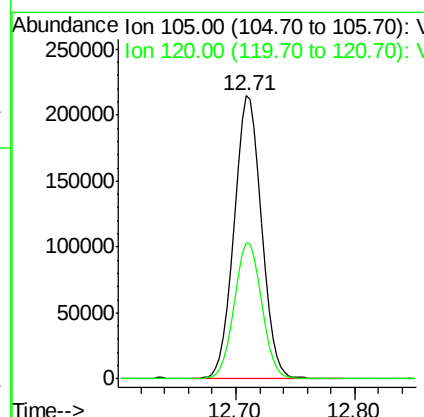
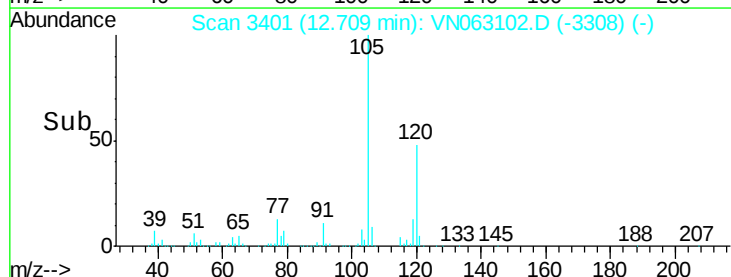
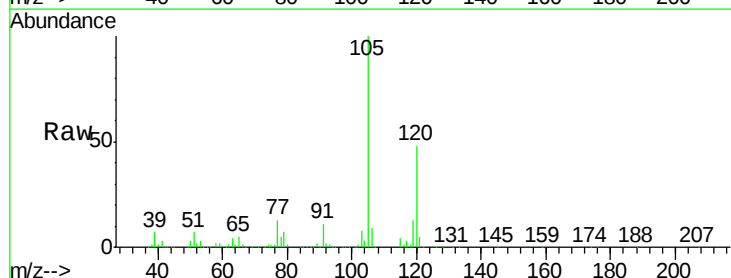
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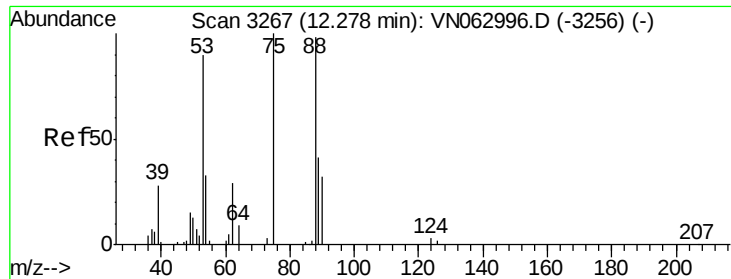
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.284 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion: 105 Resp: 340895
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.608 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

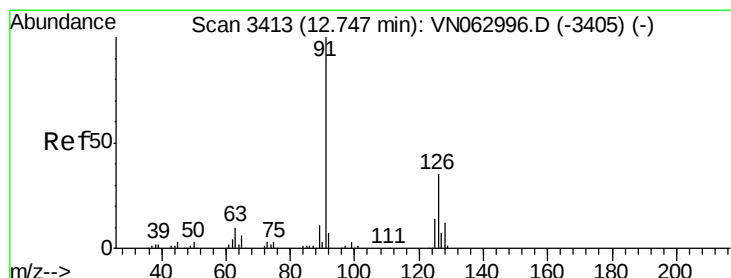
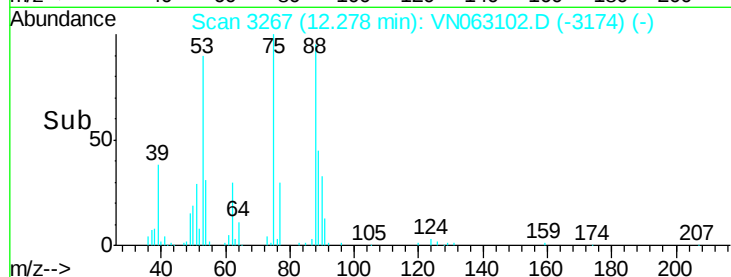
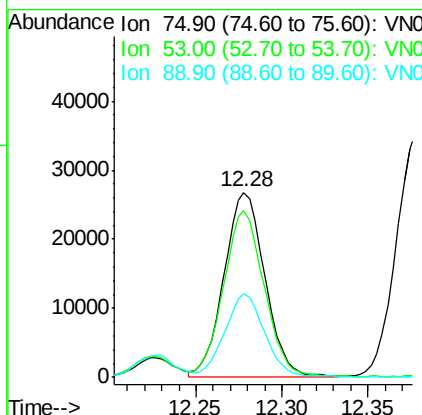
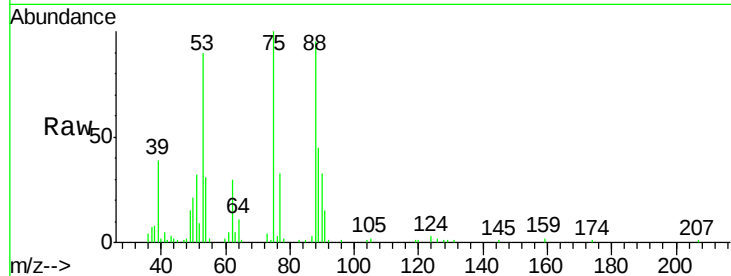
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	44629
Ion	Ratio	Lower	Upper
75	100		
53	90.3	69.2	103.8
89	43.0	34.2	51.4

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#82

4-Chlorotoluene

Concen: 47.899 ug/l

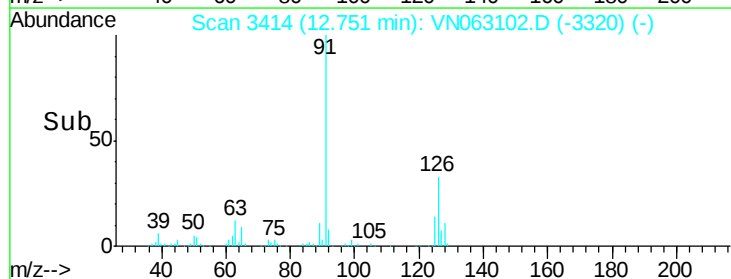
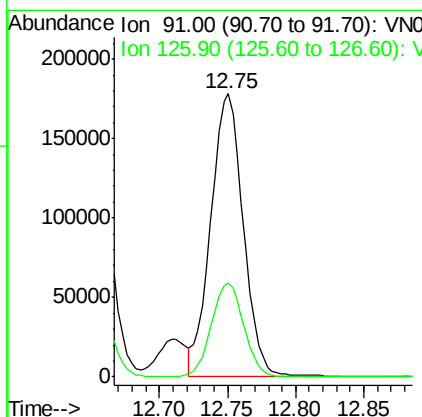
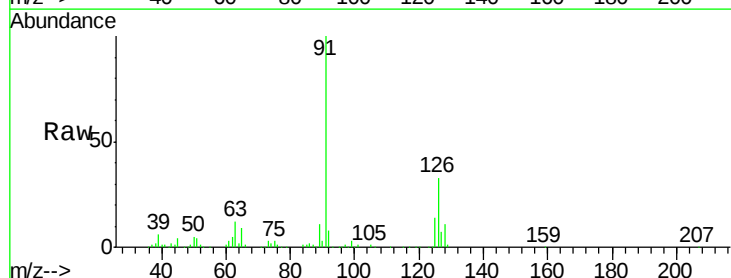
RT: 12.75 min Scan# 3414

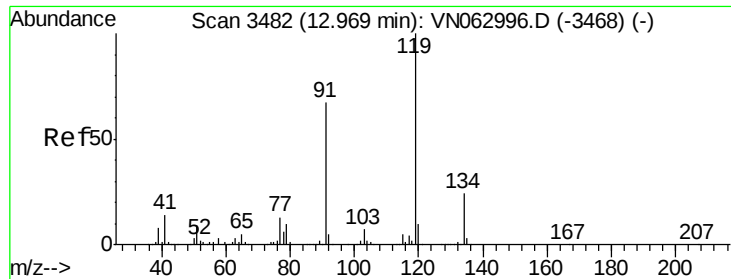
Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Tgt Ion:	91	Resp:	292586
Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.5	49.5





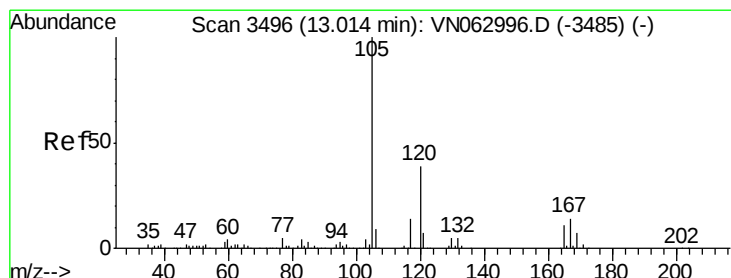
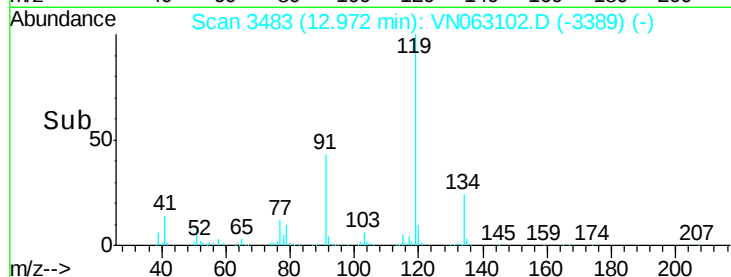
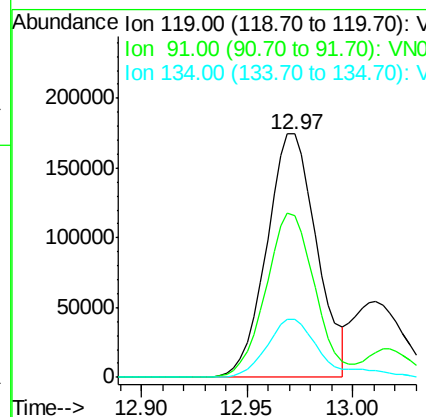
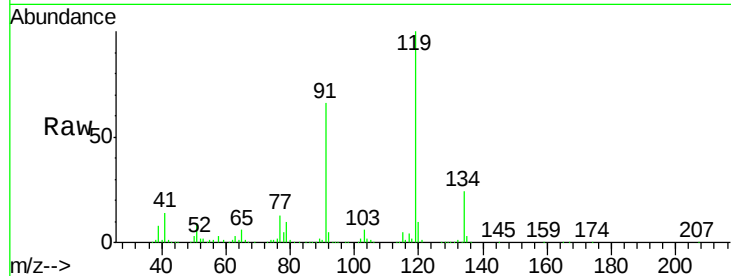
#83
tert-Butylbenzene
Concen: 48.251 ug/l
RT: 12.97 min Scan# 3483
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	288060		
91	65.5		32.5	97.4
134	26.1		13.1	39.3

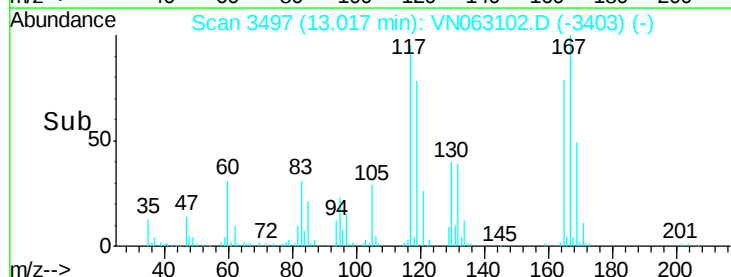
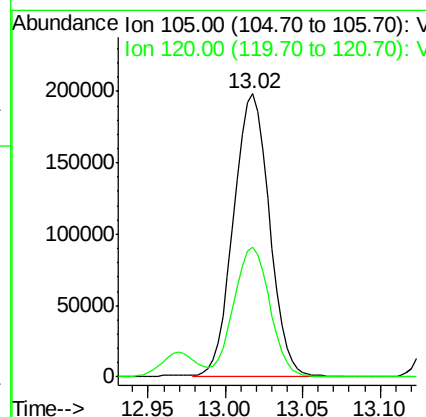
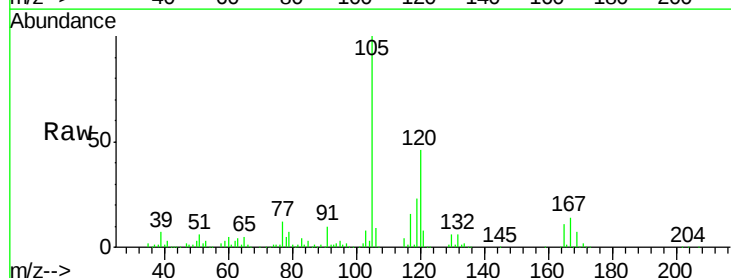
Manual Integrations
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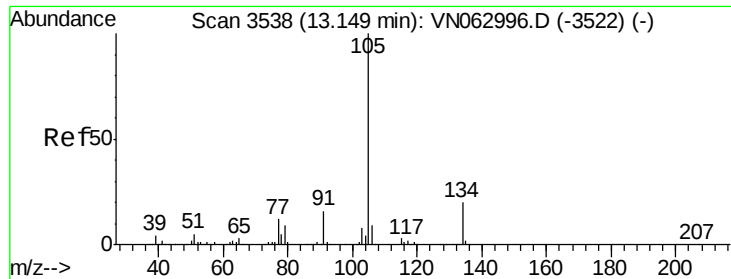
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#84
1,2,4-Trimethylbenzene
Concen: 47.384 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	319299		
120	46.4		22.5	67.5





#85

sec-Butylbenzene

Concen: 46.178 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 372581

Ion Ratio Lower Upper

105 100

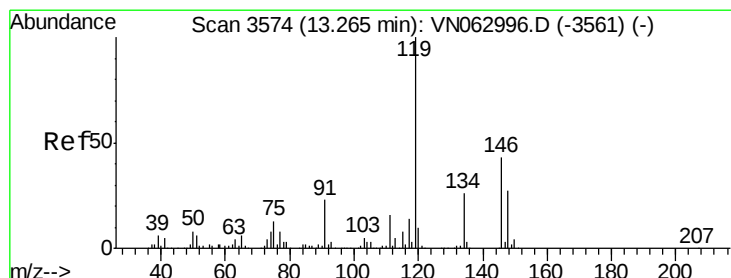
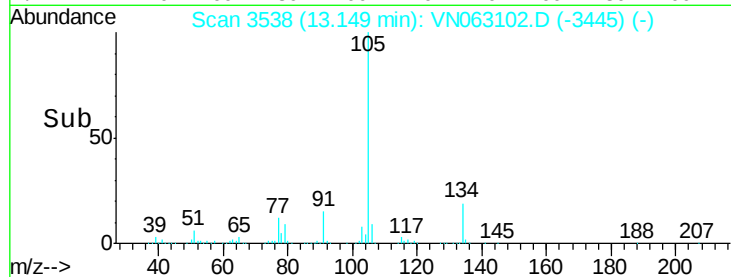
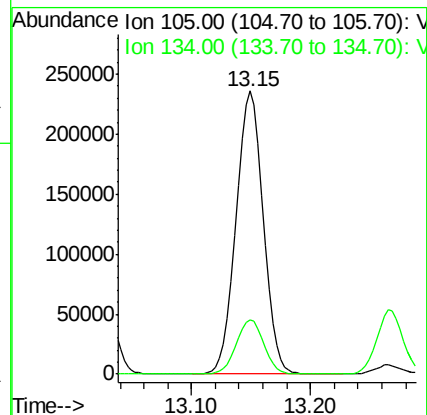
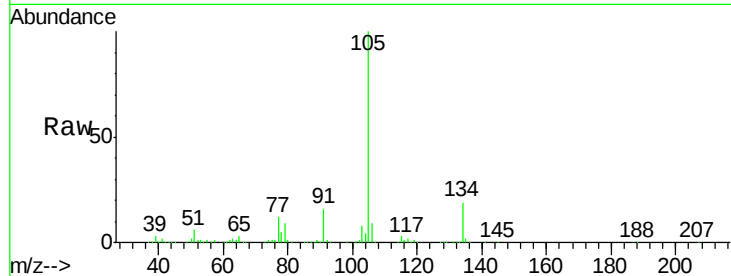
134 19.5 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 45.225 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

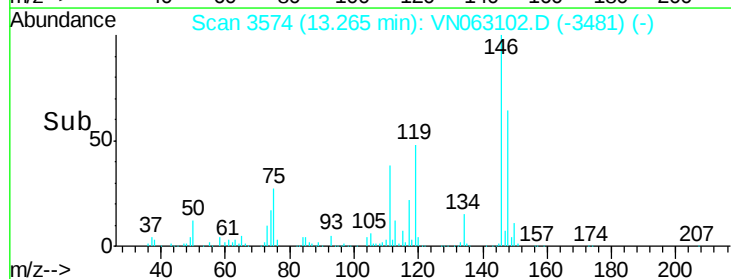
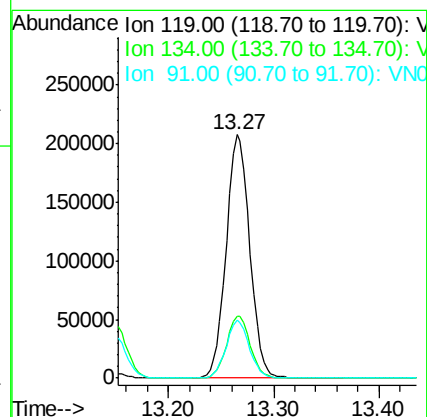
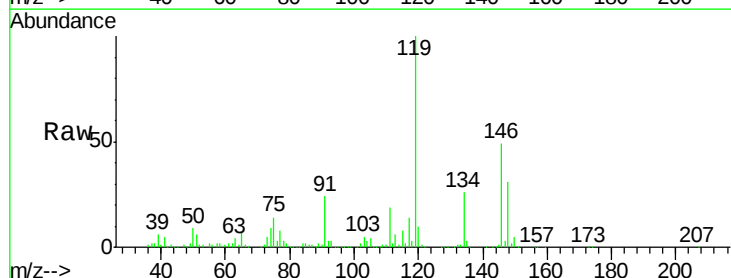
Tgt Ion:119 Resp: 317943

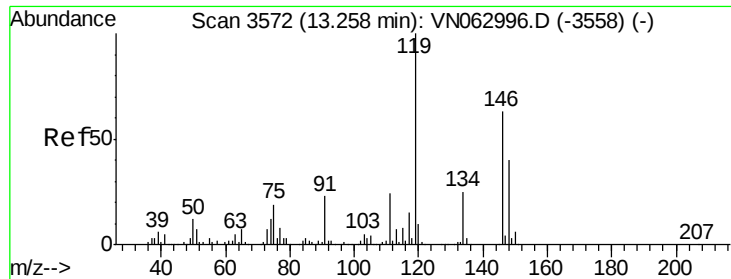
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.3

91 23.0 11.5 34.4





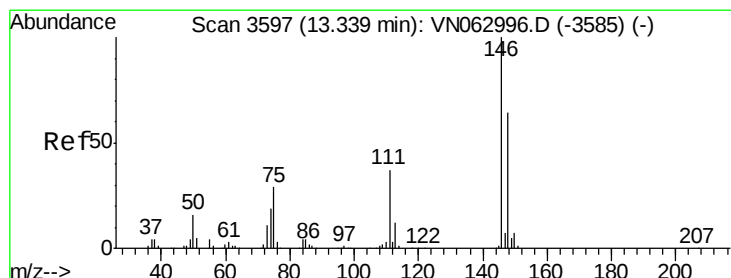
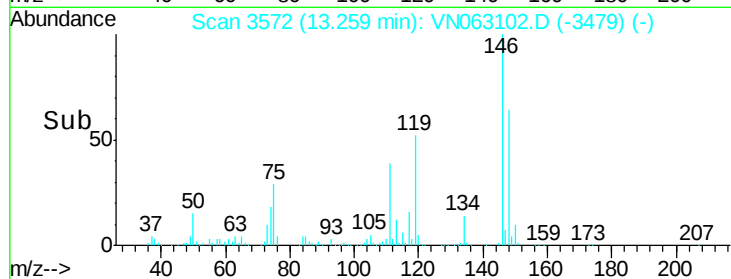
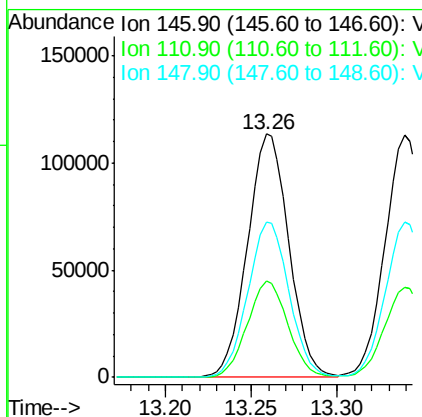
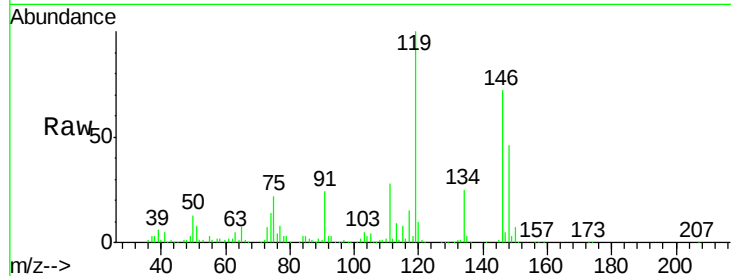
#87
 1,3-Dichlorobenzene
 Concen: 47.787 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	63.8	32.0	96.0

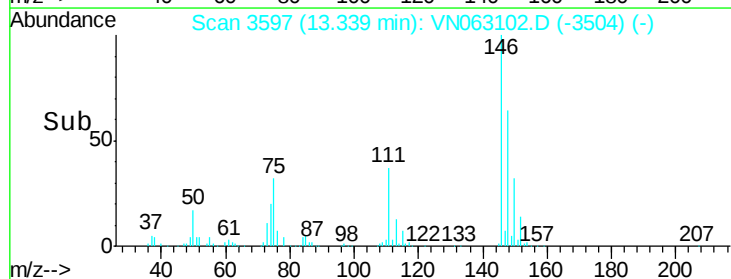
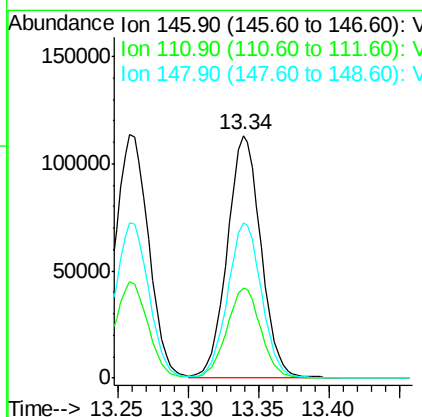
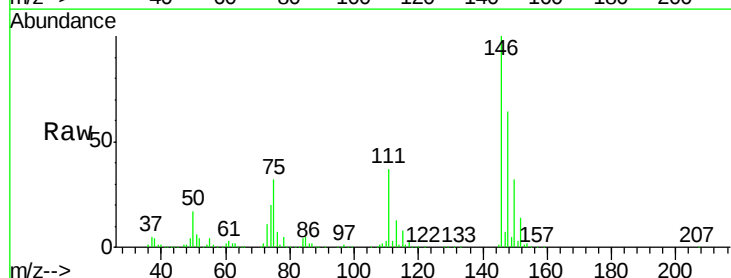
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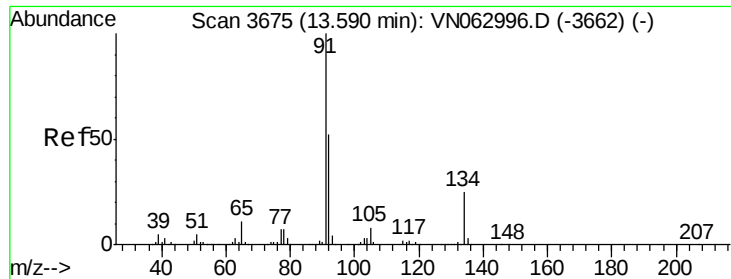
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#88
 1,4-Dichlorobenzene
 Concen: 46.582 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	65.4	32.4	97.0





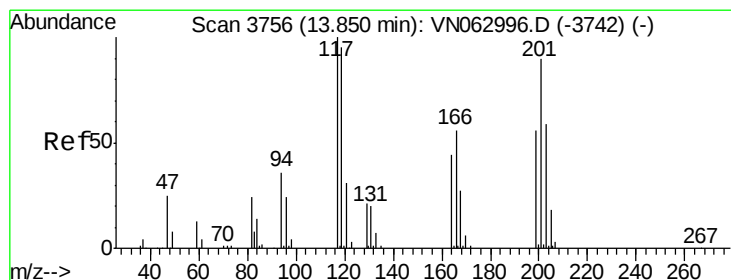
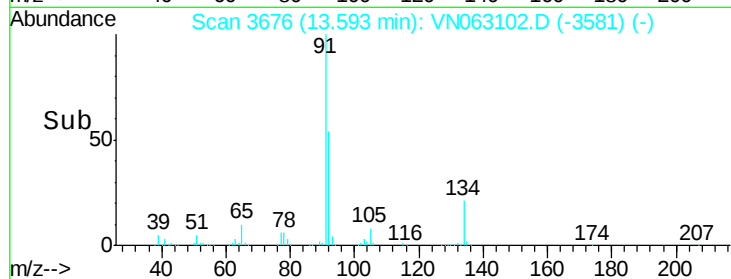
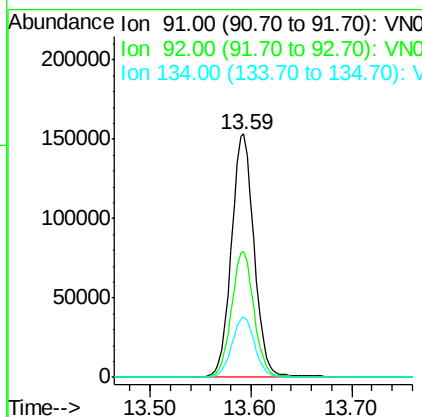
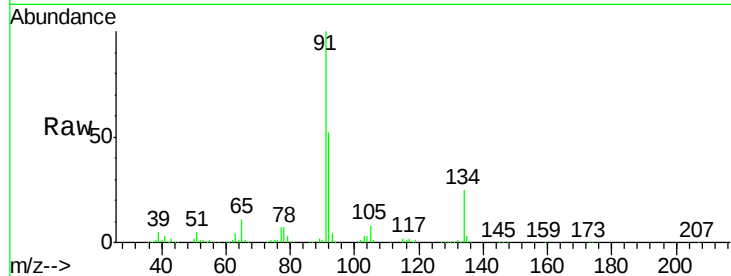
#89
n-Butylbenzene
Concen: 36.898 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.6
134	24.9	12.4	37.0

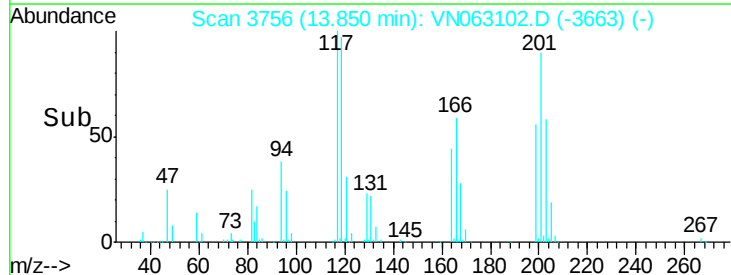
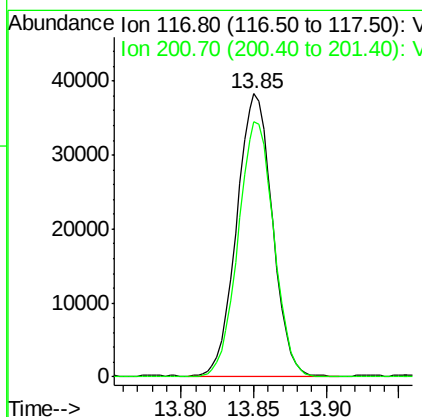
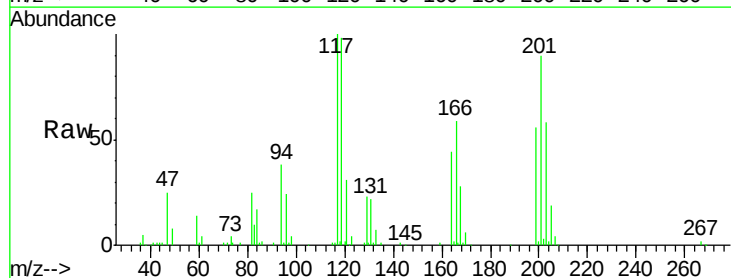
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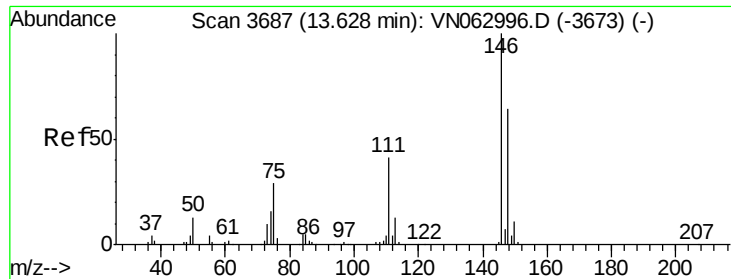
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#90
Hexachloroethane
Concen: 43.991 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.6	44.1	132.4





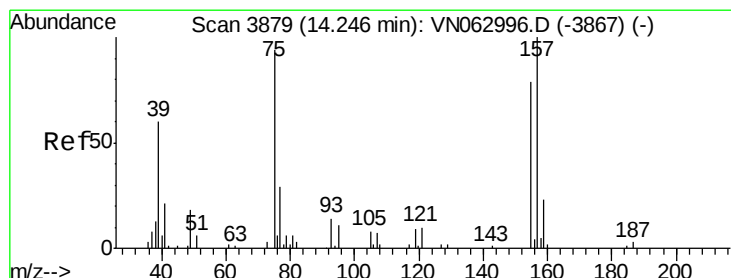
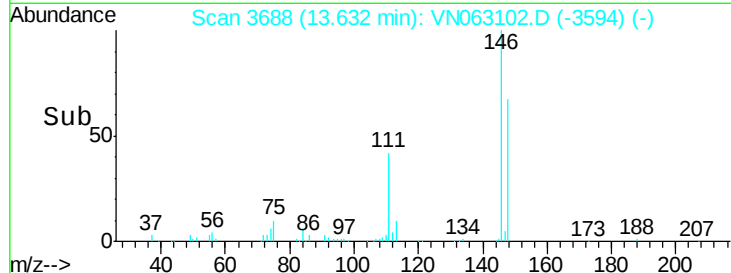
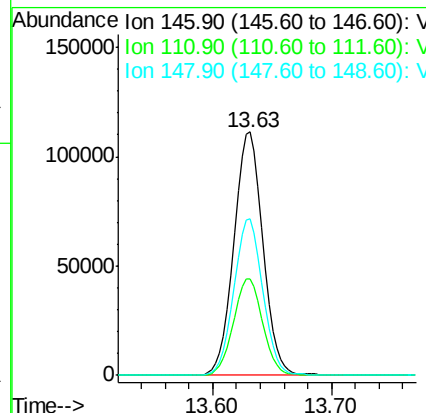
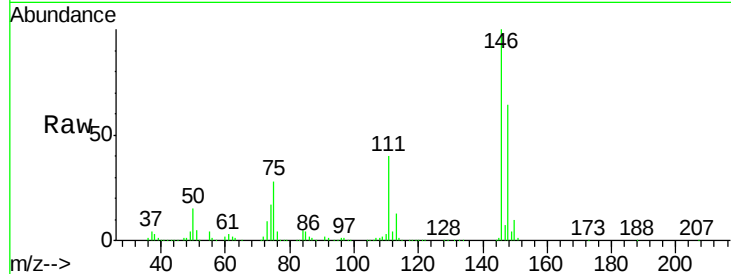
#91
 1,2-Dichlorobenzene
 Concen: 49.368 ug/l
 RT: 13.63 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.5
148	63.9	31.9	95.5

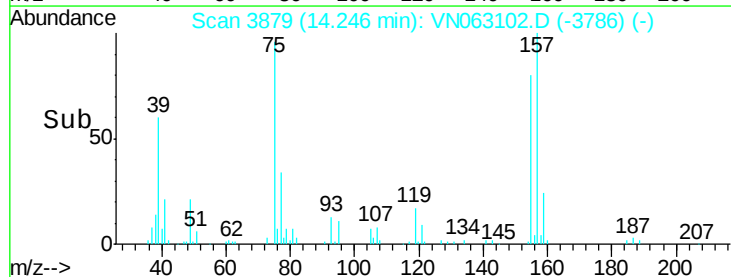
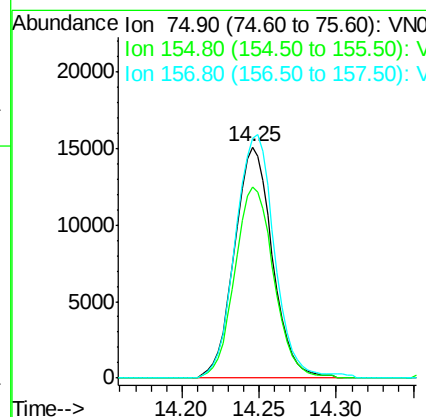
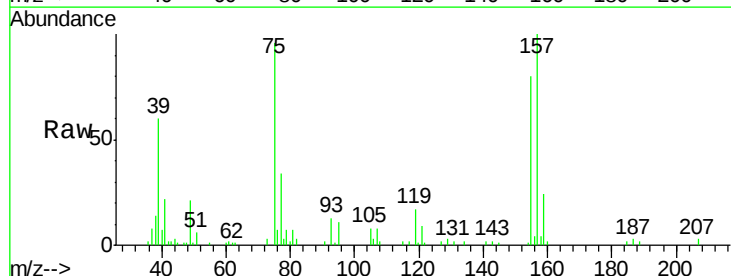
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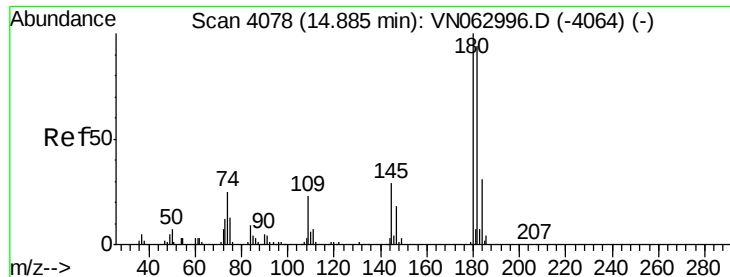
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.081 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.6	42.4	127.1
157	109.1	55.2	165.6





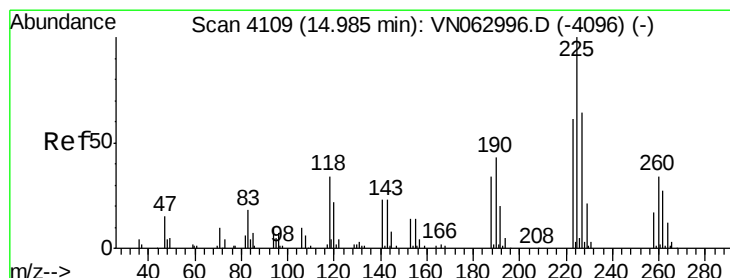
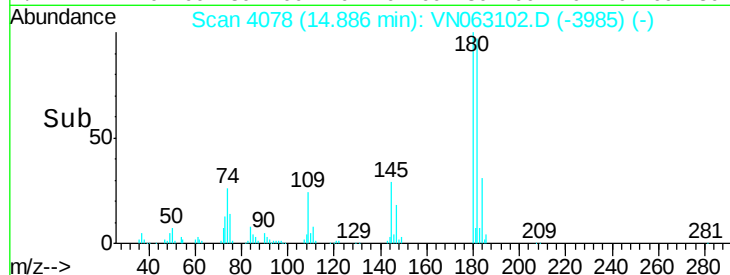
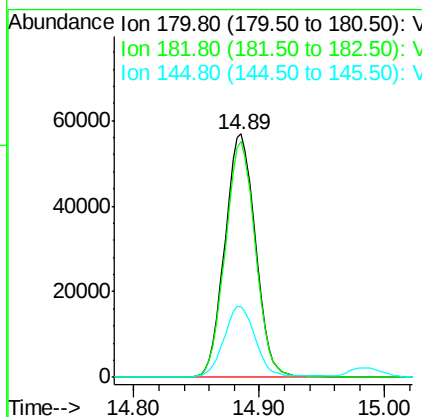
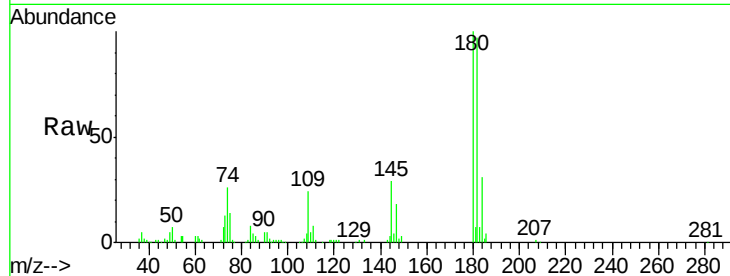
#93
 1,2,4-Trichlorobenzene
 Concen: 45.902 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	96337		
182	95.4	47.0	141.2	
145	30.1	14.1	42.4	

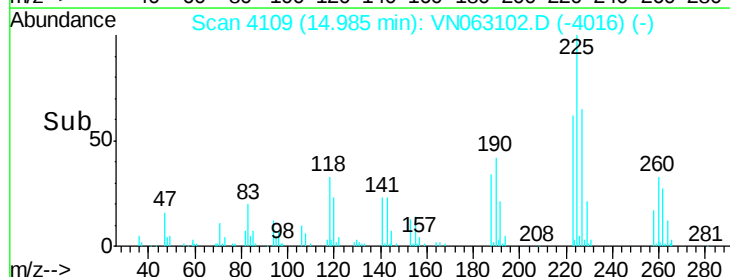
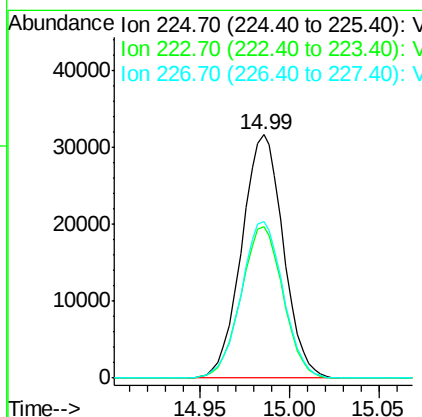
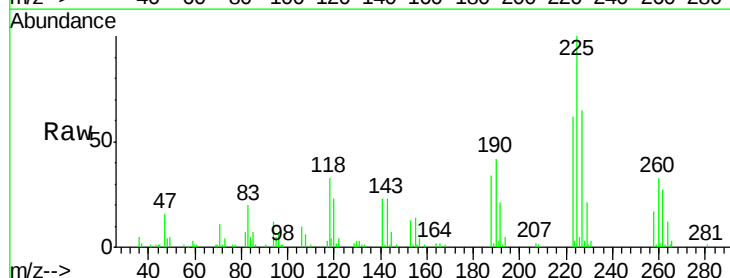
Manual Integrations
 APPROVED

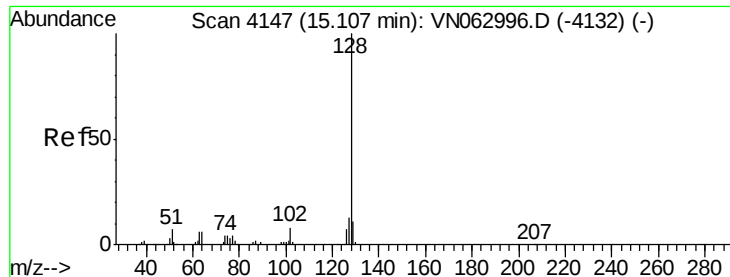
MMDadoda
 8/25/2020 12:14:05 PM



#94
 Hexachlorobutadiene
 Concen: 36.591 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51656		
223	62.9	30.9	92.5	
227	65.0	31.9	95.9	





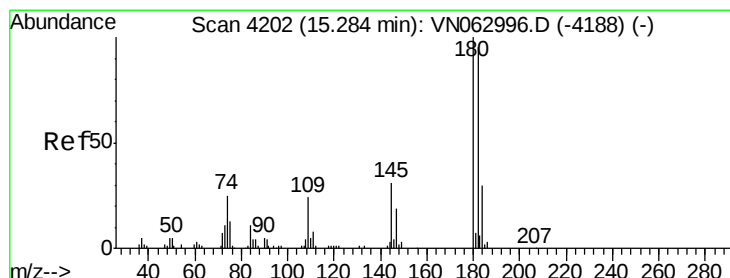
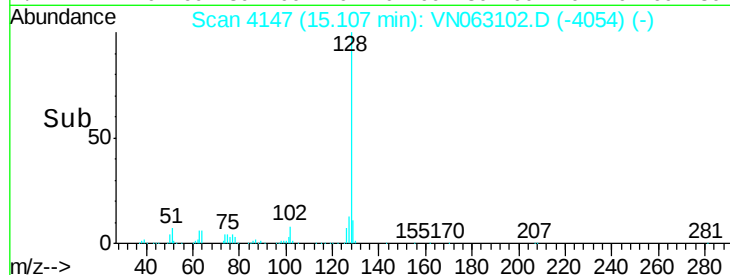
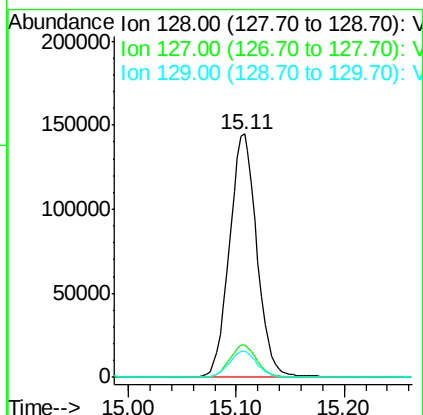
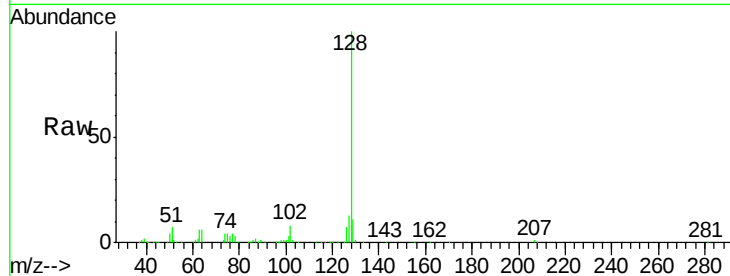
#95
Naphthalene
Concen: 52.366 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/25/2020 12:14:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.245 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	141.9
145	30.7	15.6	46.7

