

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061020\
 Data File : VN061740.D
 Acq On : 10 Jun 2020 16:28
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jun 11 02:46:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 12:28:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	59196	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	307627	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	286825	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	107791	29.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.30%
60) 4-Bromofluorobenzene	12.38	95	125937	29.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.33%
63) Toluene-d8	10.06	98	368233	30.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	46731	19.099	ug/l 97
3) Chloromethane	2.03	50	60296	20.612	ug/l 99
4) Vinyl Chloride	2.16	62	82174	20.130	ug/l 98
5) Bromomethane	2.54	94	55713	20.826	ug/l 92
6) Chloroethane	2.67	64	55234	19.355	ug/l 98
7) Trichlorofluoromethane	2.98	101	112194	18.992	ug/l 99
8) Diethyl Ether	3.37	74	36455	19.783	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	57339	18.978	ug/l 100
10) 1,1-Dichloroethene	3.70	96	56298	18.912	ug/l 97
11) Methyl Iodide	3.91	142	76770	18.924	ug/l 99
12) Methyl Acetate	4.28	43	45584	19.244	ug/l 95
13) Acrolein	3.57	56	23236	73.309	ug/l 91
14) Acrylonitrile	4.93	53	116549	95.335	ug/l # 91
15) Acetone	3.78	58	33203	90.823	ug/l 97
16) Carbon Disulfide	4.01	76	136076	22.071	ug/l 100
17) Allyl chloride	4.28	41	65398	19.286	ug/l 99
18) Methylene Chloride	4.50	84	64074	18.757	ug/l 92
19) trans-1,2-Dichloroethene	4.99	96	62884	18.997	ug/l 99
20) Diisopropyl ether	5.90	45	154595	19.083	ug/l 98
21) 1,1-Dichloroethane	5.80	63	102227	18.979	ug/l 97
22) cis-1,2-Dichloroethene	6.78	96	72997	18.801	ug/l 98
23) tert-Butyl Alcohol	4.73	59	38957	82.403	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	180148	18.984	ug/l # 76
25) Chloroform	7.33	83	115722	18.965	ug/l 96
26) Cyclohexane	7.61	56	80625	19.602	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	81886	19.809	ug/l 99
30) 2-Butanone	6.79	43	133787	93.431	ug/l 99
31) 2,2-Dichloropropane	6.78	77	92935	19.203	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	102706	19.459	ug/l 99
33) Carbon Tetrachloride	7.73	117	85005	19.780	ug/l 96
34) Benzene	8.00	78	254595	19.757	ug/l 99
35) Methacrylonitrile	7.13	41	25701	19.326	ug/l # 76
36) 1,2-Dichloroethane	8.09	62	83911	20.149	ug/l 97
37) Trichloroethene	8.80	130	76759	19.097	ug/l 100
38) Methylcyclohexane	9.05	83	90528	19.566	ug/l 99
39) 1,2-Dichloropropane	9.09	63	60316	19.542	ug/l 99
40) Dibromomethane	9.18	93	45890	19.823	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	90316	19.232	ug/l	98
42) Vinyl Acetate	5.84	43	597184	101.101	ug/l	100
43) Ethyl Acetate	6.88	43	57889	19.908	ug/l	98
44) Isopropyl Acetate	8.13	43	103133	19.603	ug/l	96
45) 1,4-Dioxane	9.17	88	18147	337.502	ug/l	99
46) Methyl methacrylate	9.17	41	43850	19.212	ug/l	99
47) n-amyl Acetate	12.05	43	80275	18.007	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	92656	18.919	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	100149	18.706	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	66326	19.717	ug/l	97
51) Ethyl methacrylate	10.40	69	84286	19.284	ug/l	97
52) 1,3-Dichloropropane	10.68	76	103994	19.410	ug/l	100
53) Dibromochloromethane	10.87	129	74561	18.810	ug/l	99
54) 1,2-Dibromoethane	10.98	107	69439	19.703	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	158065	95.147	ug/l	100
56) Bromoform	12.10	173	50294	18.171	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	297982	100.453	ug/l	99
59) 2-Hexanone	10.72	43	204509	95.073	ug/l	100
61) Tetrachloroethene	10.60	164	77403	17.672	ug/l	94
62) Toluene	10.13	91	284753	19.774	ug/l	98
64) Chlorobenzene	11.41	112	181632	19.601	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	67949	19.237	ug/l	97
66) Ethyl Benzene	11.48	91	304664	19.326	ug/l	100
67) m/p-Xylenes	11.60	106	238972	38.109	ug/l	98
68) o-Xylene	11.92	106	114848	19.391	ug/l	99
69) Styrene	11.94	104	188482	18.786	ug/l	99
70) Isopropylbenzene	12.22	105	302124	19.313	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	83189	20.019	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	102688	26.213	ug/l	65
73) Bromobenzene	12.50	156	79040	18.702	ug/l	99
74) n-propylbenzene	12.57	91	339390	19.193	ug/l	99
75) 2-Chlorotoluene	12.65	91	200237	19.213	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	248219	19.033	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	23463	16.603	ug/l	97
78) 4-Chlorotoluene	12.75	91	206752	19.039	ug/l	99
79) tert-butylbenzene	12.97	119	213537	18.934	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	249373	19.009	ug/l	100
81) sec-Butylbenzene	13.15	105	276595	18.979	ug/l	99
82) p-Isopropyltoluene	13.26	119	254157	18.785	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	140124	18.577	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	136426	18.408	ug/l	99
85) n-Butylbenzene	13.59	91	204470	18.297	ug/l	99
86) Hexachloroethane	13.85	117	38325	20.806	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	136526	19.053	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	15217	19.713	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	75296	17.920	ug/l	99
90) Hexachlorobutadiene	14.99	225	31332	17.199	ug/l	97
91) Naphthalene	15.10	128	212354	18.212	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	75867	18.433	ug/l	99

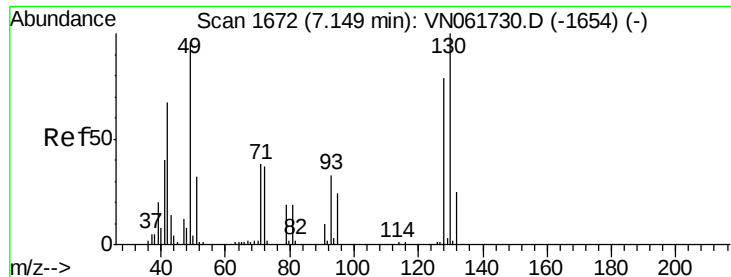
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061020\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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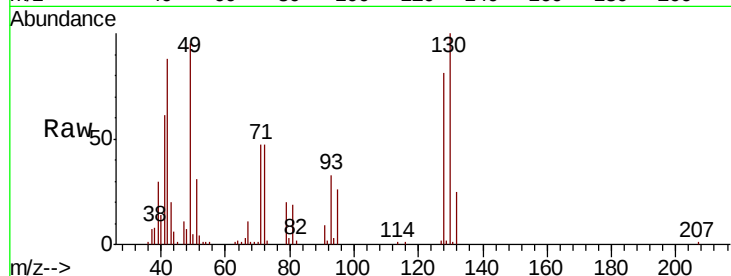
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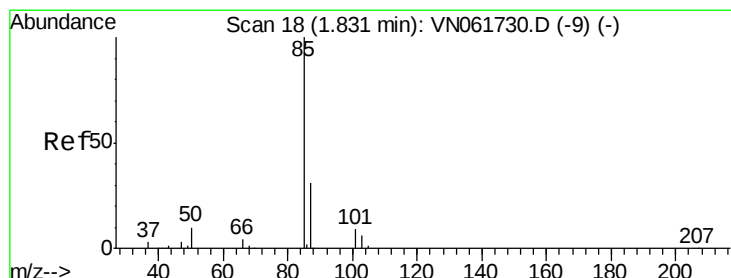
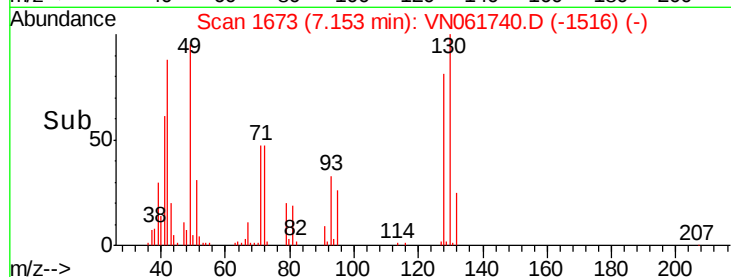
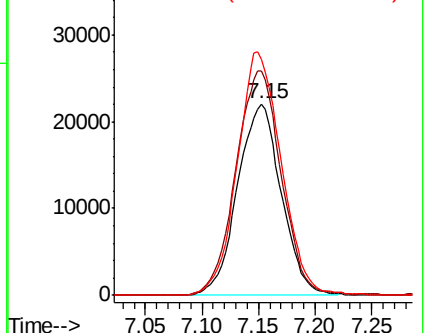
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:128 Resp: 59196
 Ion Ratio Lower Upper
 128 100
 49 121.9 0.0 312.3
 130 127.9 0.0 328.7

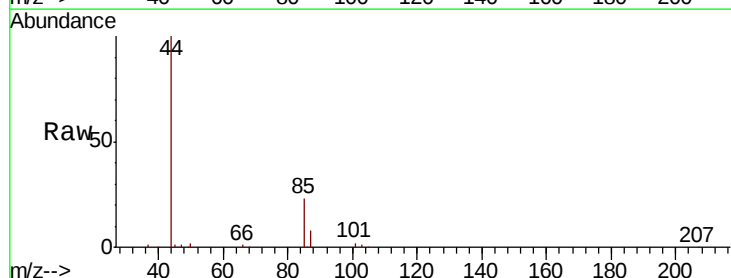


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

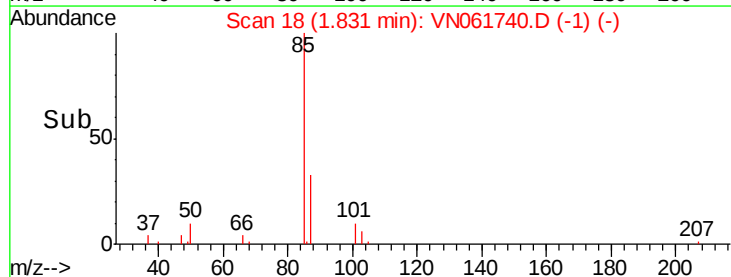
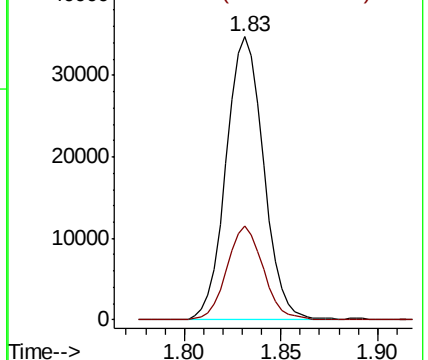


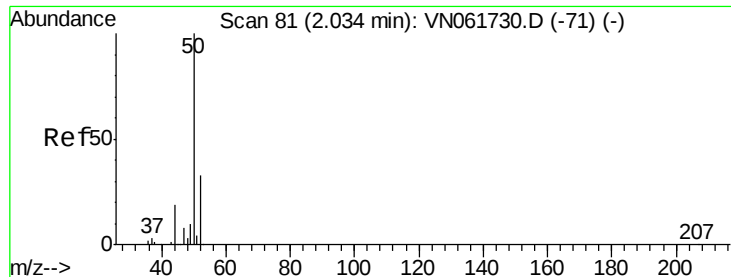
#2
 Dichlorodifluoromethane
 Concen: 19.099 ug/l
 RT: 1.83 min Scan# 18
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Tgt Ion: 85 Resp: 46731
 Ion Ratio Lower Upper
 85 100
 87 33.0 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.612 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

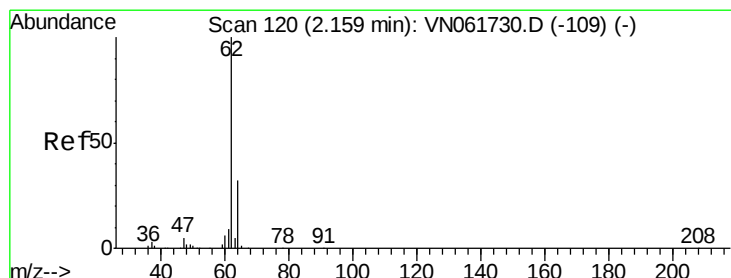
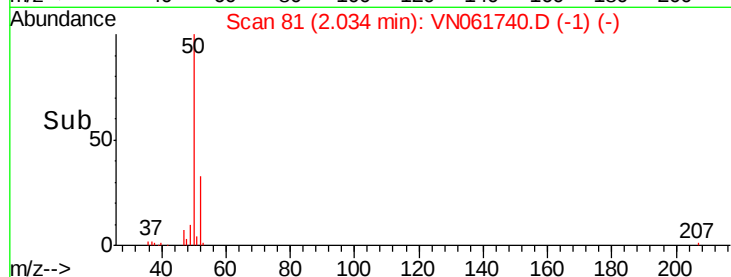
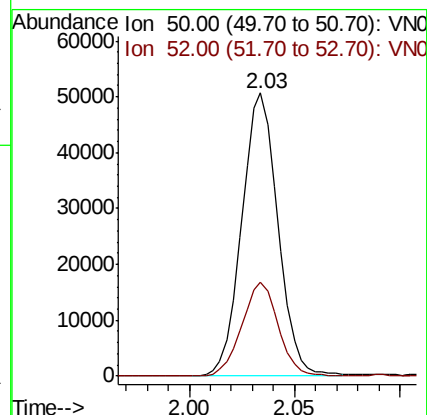
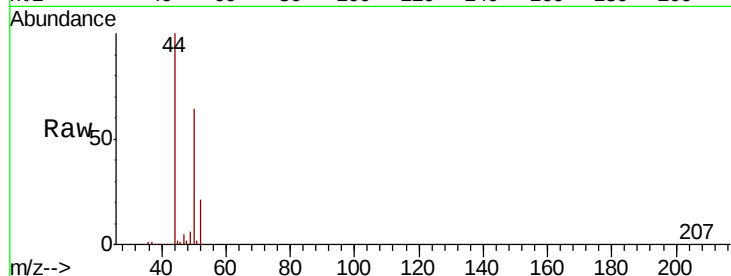
VSTDCCC020EC

Tot Ion: 50 Resp: 60296

Ion Ratio Lower Upper

50 100

52 33.1 26.2 39.2



#4

Vinyl Chloride

Concen: 20.130 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061740.D

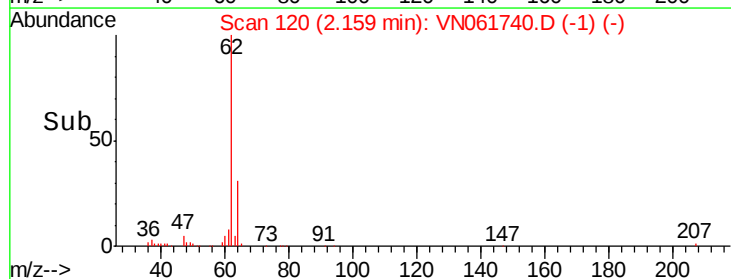
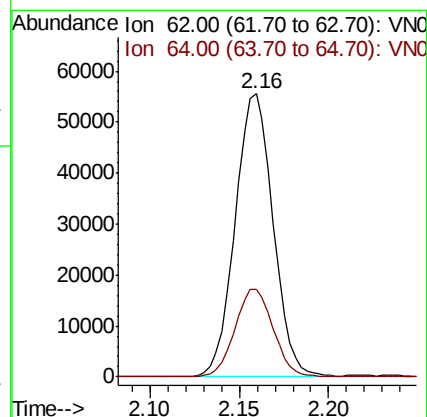
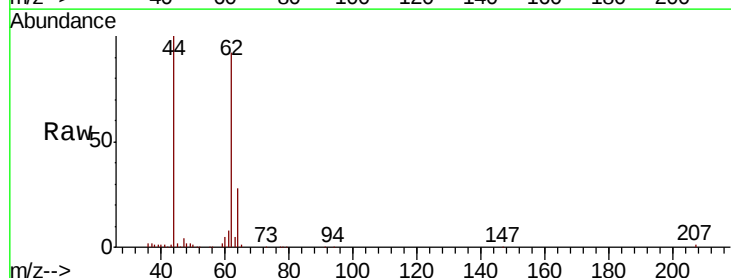
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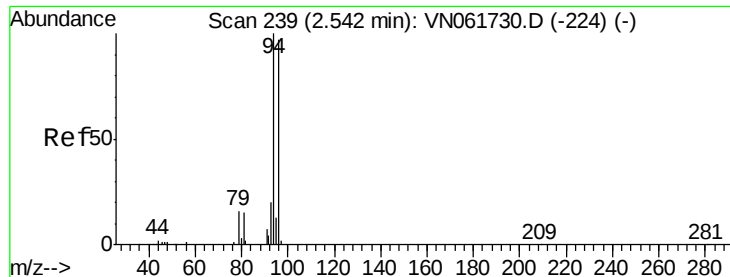
Tgt Ion: 62 Resp: 82174

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 20.826 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

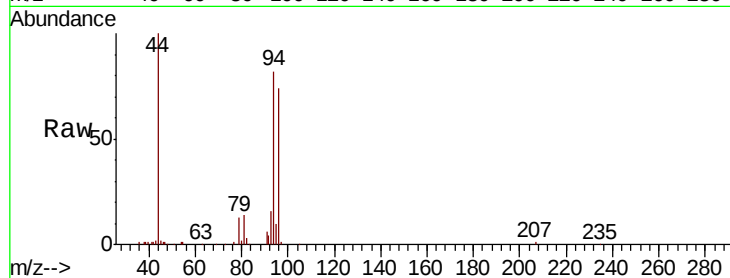
VSTDCCC020EC

Tot Ion: 94 Resp: 55713

Ion Ratio Lower Upper

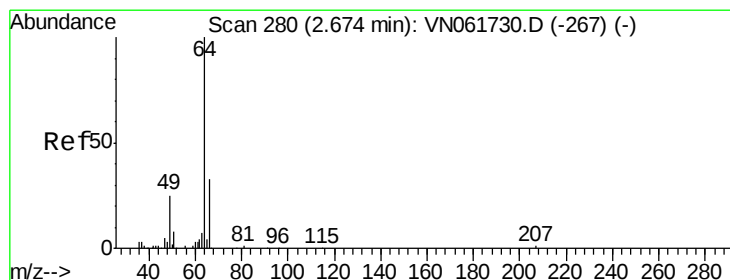
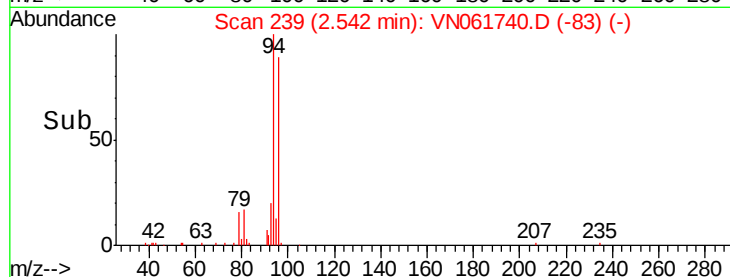
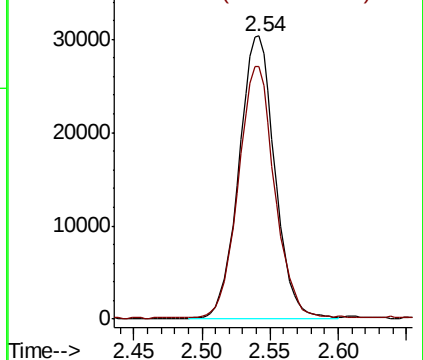
94 100

96 88.5 77.4 116.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.355 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061740.D

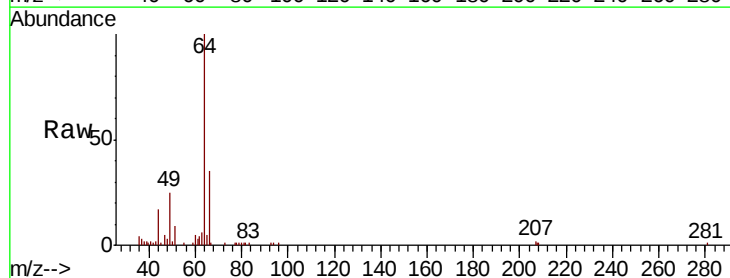
Acq: 10 Jun 2020 16:28

Tgt Ion: 64 Resp: 55234

Ion Ratio Lower Upper

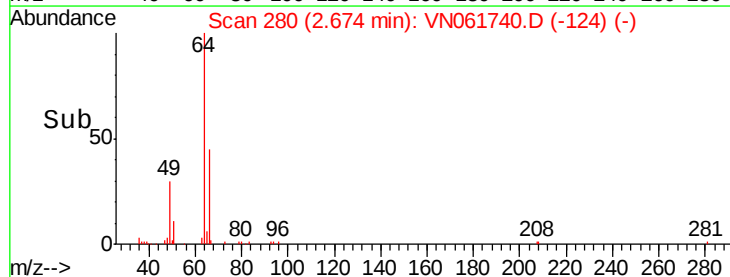
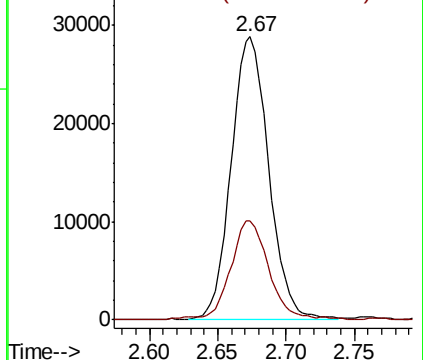
64 100

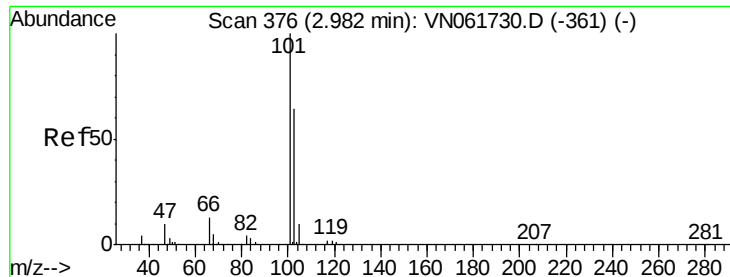
66 34.6 26.6 39.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



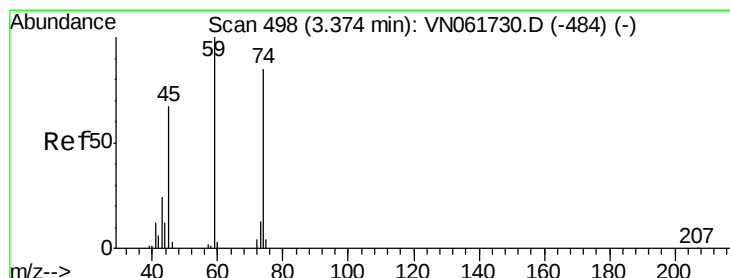
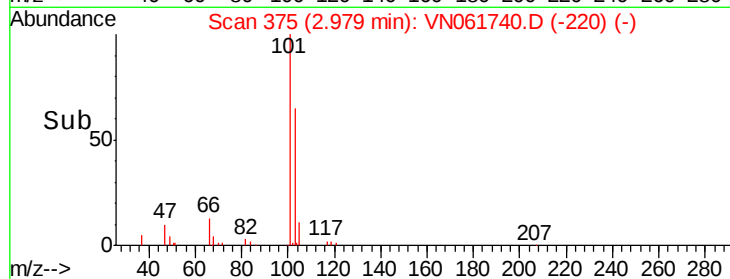
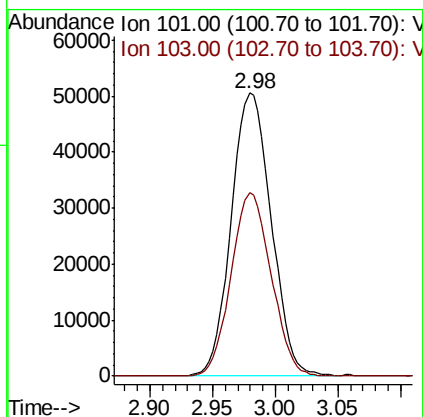
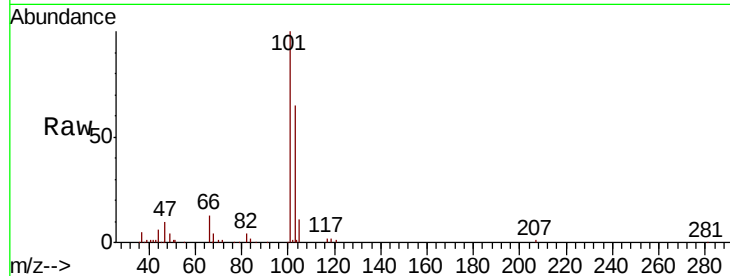


#7

Trichlorofluoromethane
Concen: 18.992 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

Instrument :
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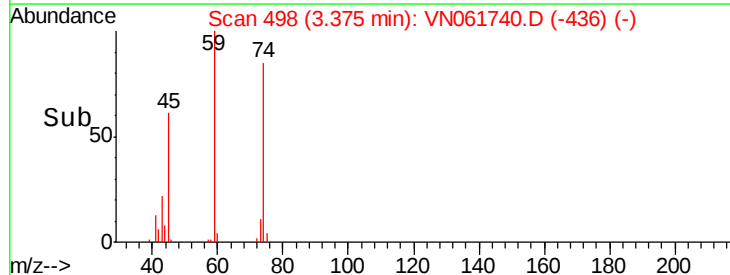
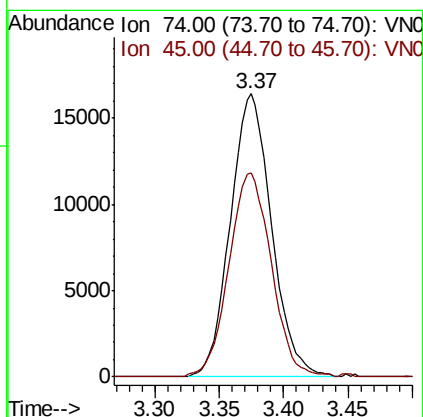
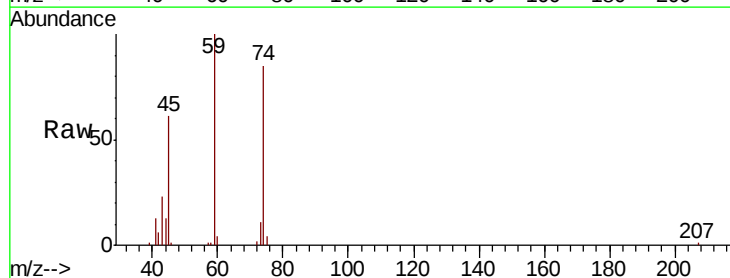
Tot Ion:101 Resp: 112194
Ion Ratio Lower Upper
101 100
103 65.0 51.1 76.7

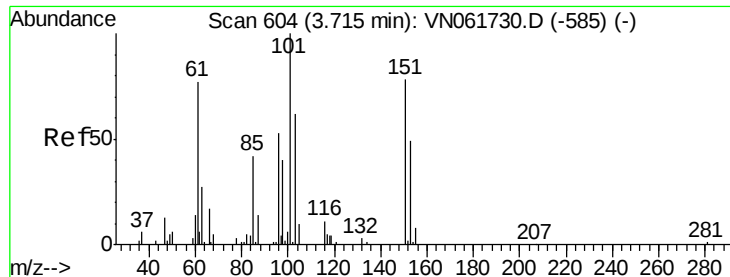


#8

Diethyl Ether
Concen: 19.783 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

Tgt Ion: 74 Resp: 36455
Ion Ratio Lower Upper
74 100
45 73.8 15.4 138.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.978 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

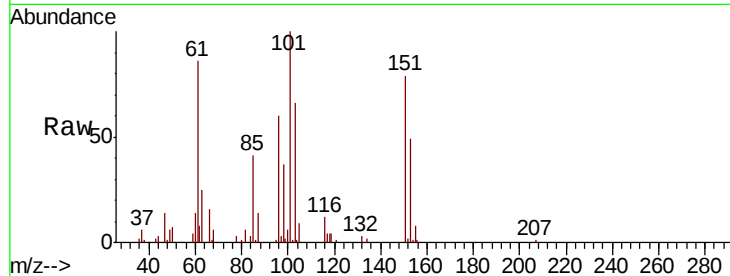
Tot Ion:101 Resp: 57339

Ion Ratio Lower Upper

101 100

85 42.0 0.0 84.8

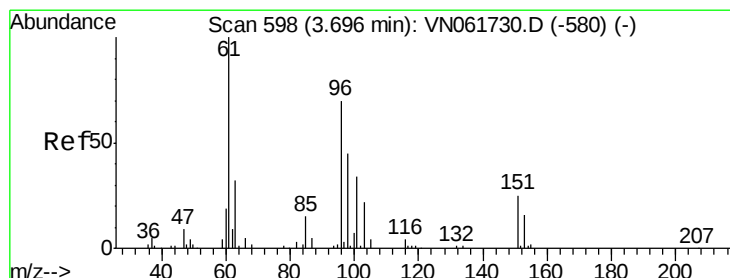
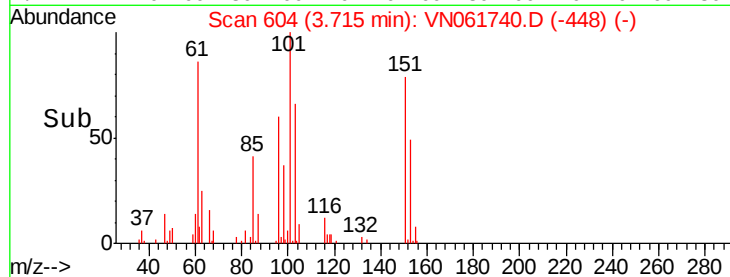
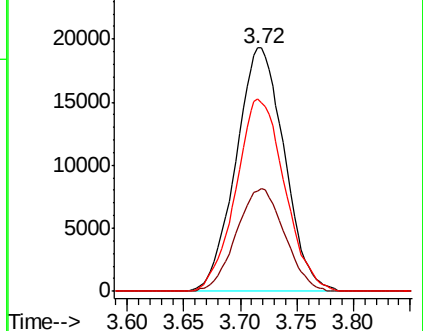
151 79.6 0.0 159.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.912 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

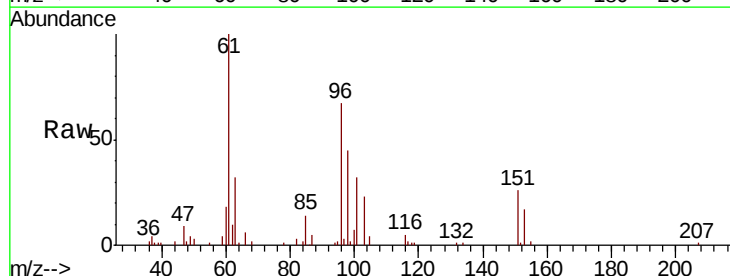
Tgt Ion: 96 Resp: 56298

Ion Ratio Lower Upper

96 100

61 148.8 114.9 172.3

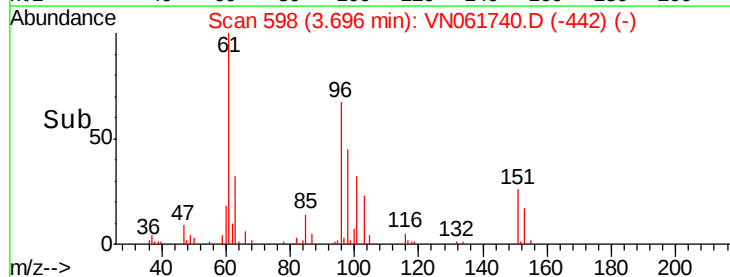
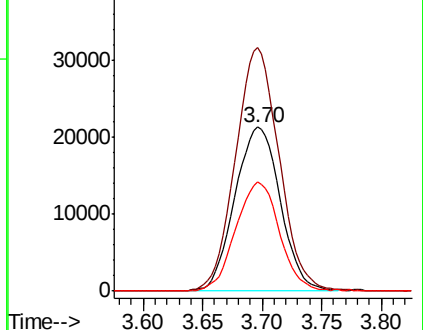
98 66.4 52.2 78.2

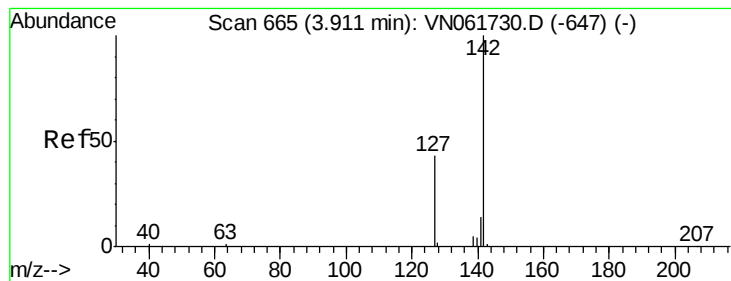


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





#11

Methvl Iodide

Concen: 18.924 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

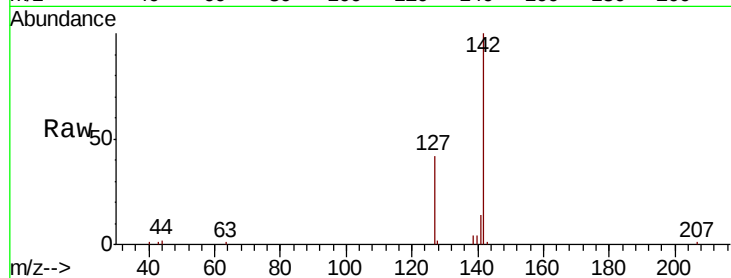
Tot Ion:142 Resp: 76770

Ion Ratio Lower Upper

142 100

127 42.7 21.6 64.6

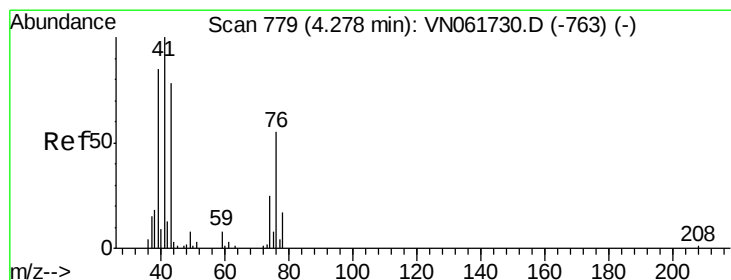
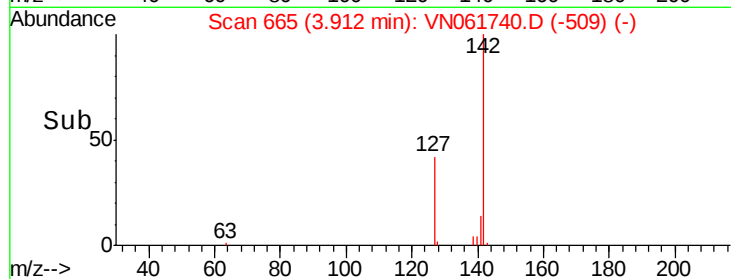
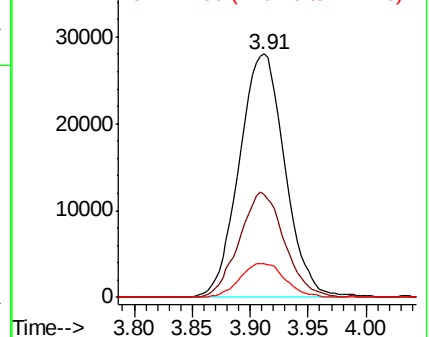
141 13.7 7.2 21.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 19.244 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN061740.D

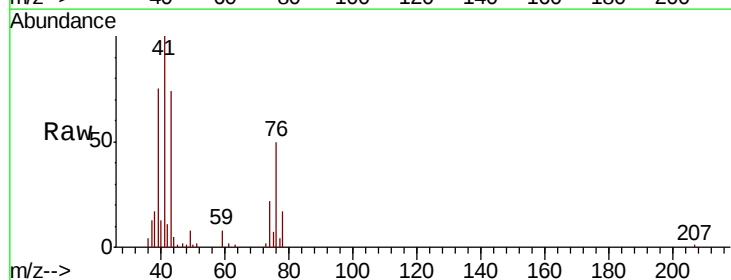
Acq: 10 Jun 2020 16:28

Tgt Ion: 43 Resp: 45584

Ion Ratio Lower Upper

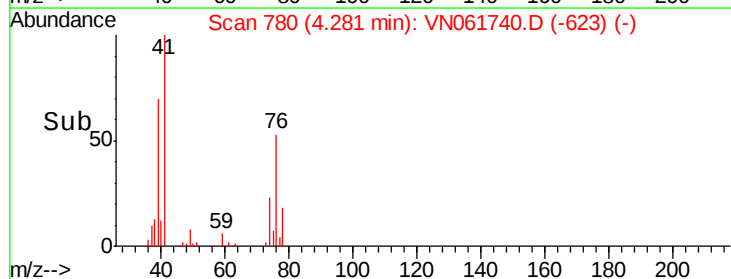
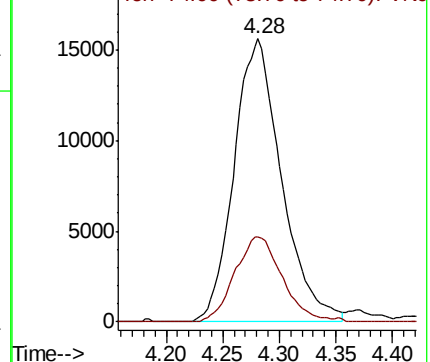
43 100

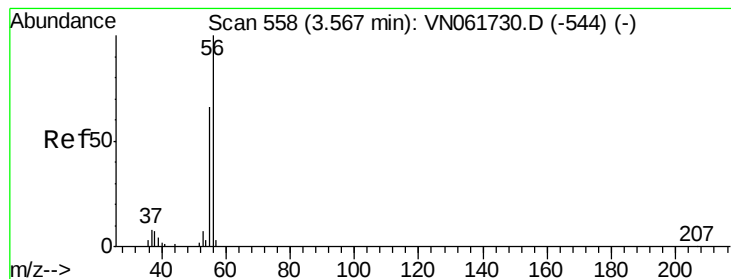
74 29.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 73.309 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

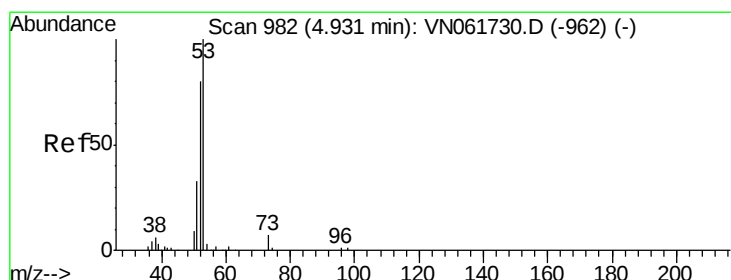
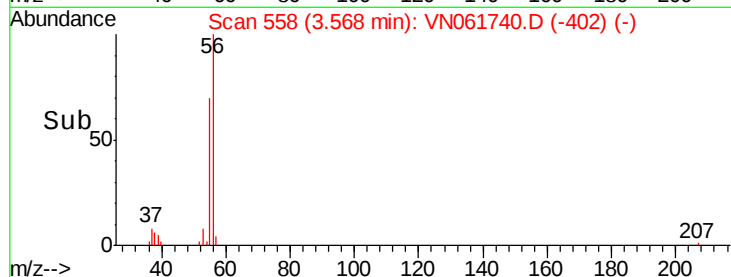
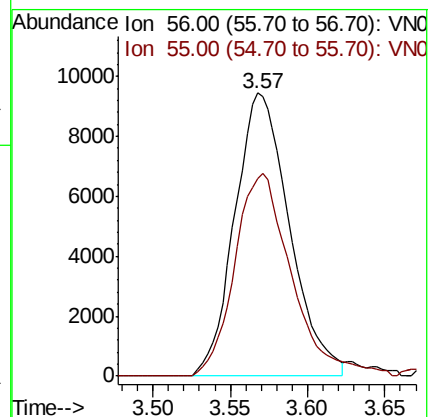
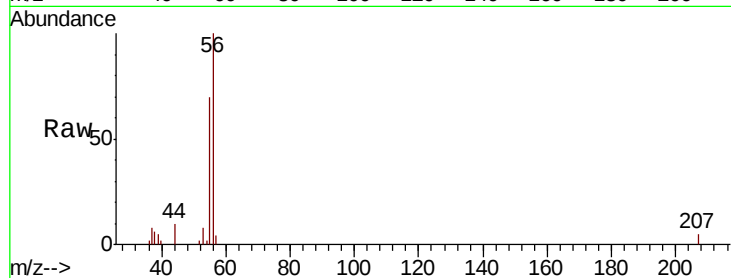
VSTDCCC020EC

Tot Ion: 56 Resp: 23236

Ion Ratio Lower Upper

56 100

55 74.4 53.9 80.9



#14

Acrylonitrile

Concen: 95.335 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

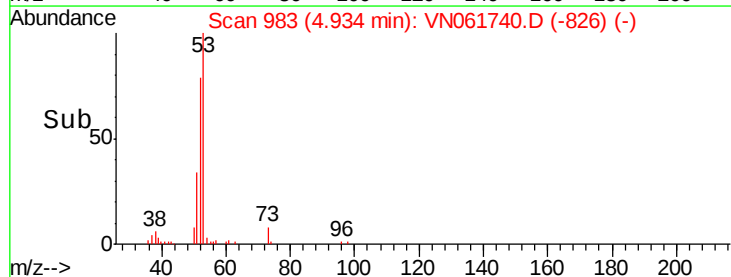
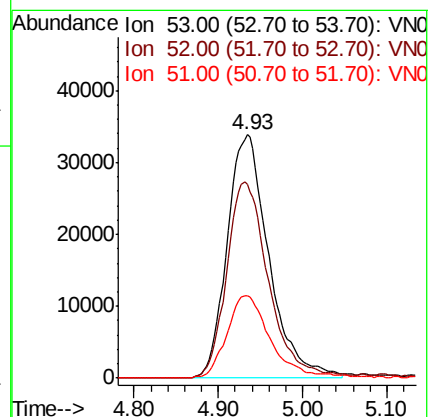
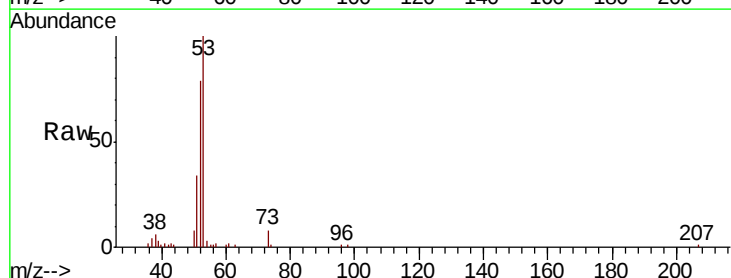
Tgt Ion: 53 Resp: 116549

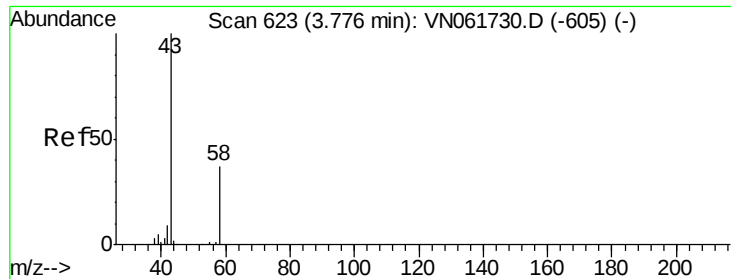
Ion Ratio Lower Upper

53 100

52 80.2 41.3 123.7

51 34.8 8.0 23.8#

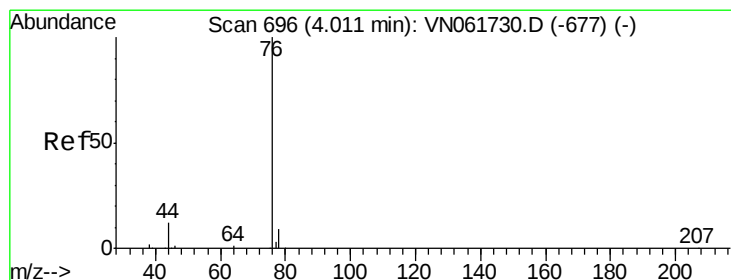
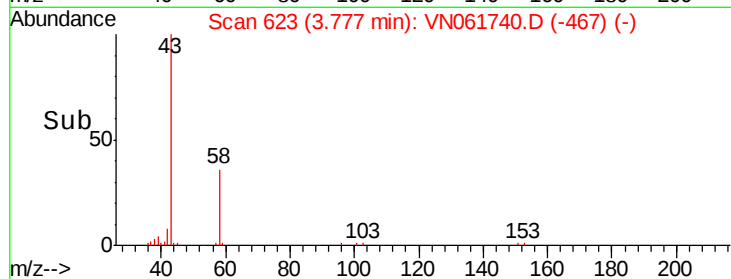
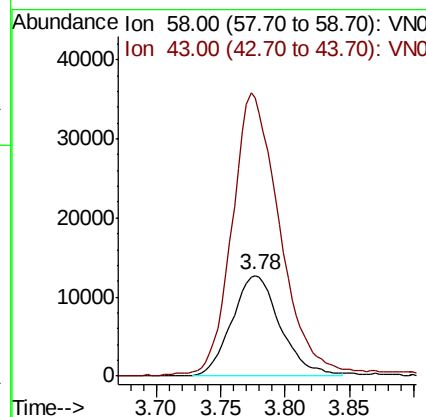
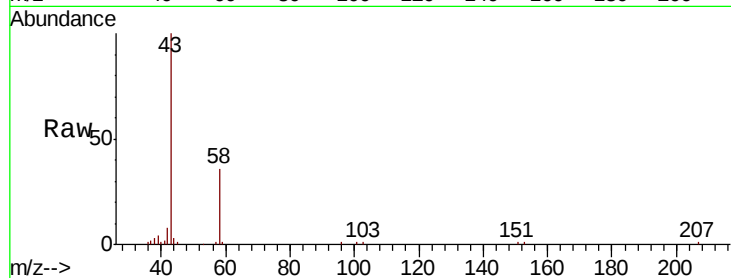




#15
Acetone
Concen: 90.823 ug/l
RT: 3.78 min Scan# 623
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

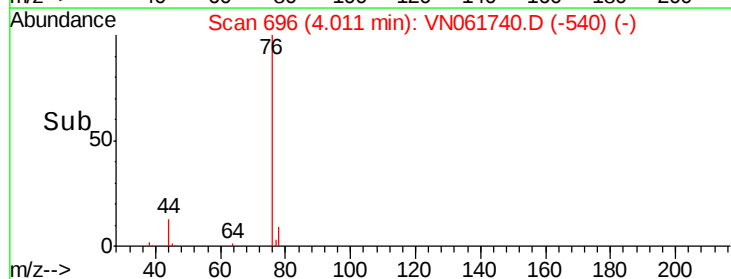
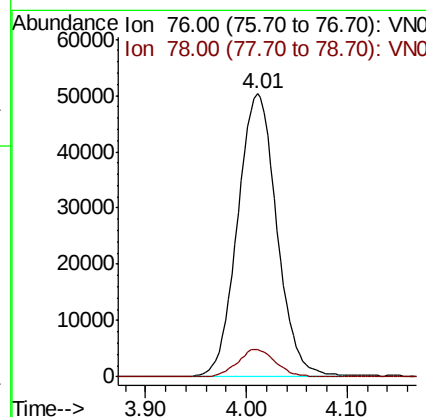
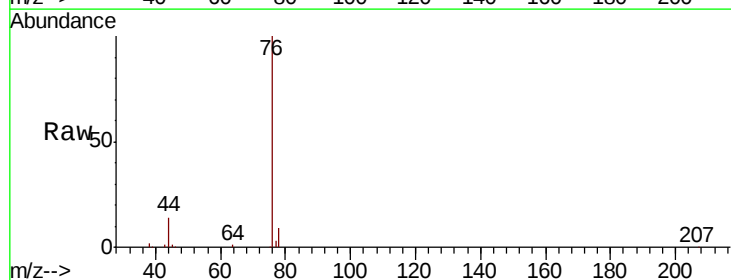
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

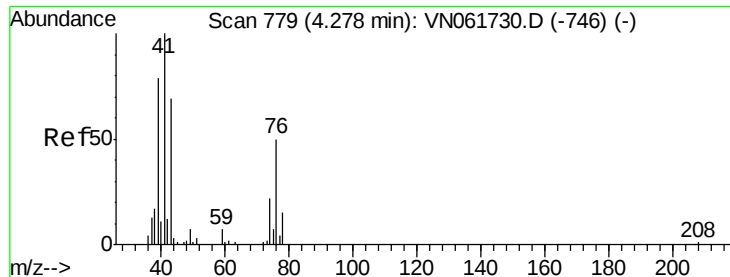
Tot Ion: 58 Resp: 33203
Ion Ratio Lower Upper
58 100
43 272.0 213.7 320.5



#16
Carbon Disulfide
Concen: 22.071 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

Tgt Ion: 76 Resp: 136076
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4

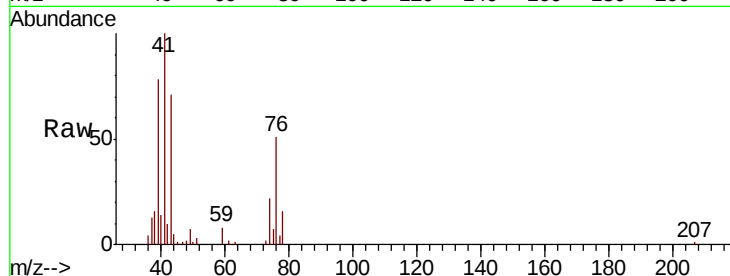




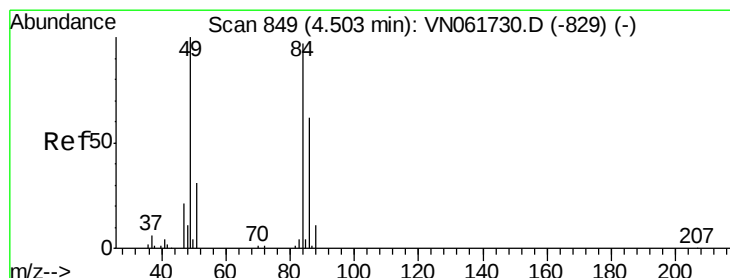
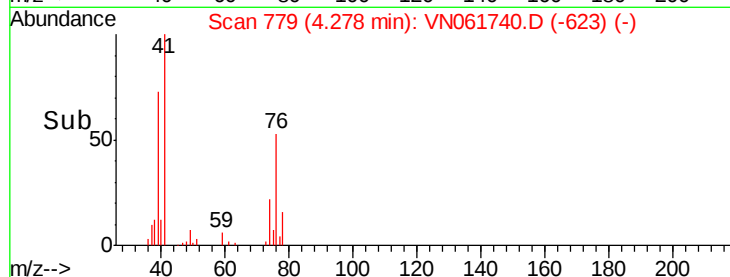
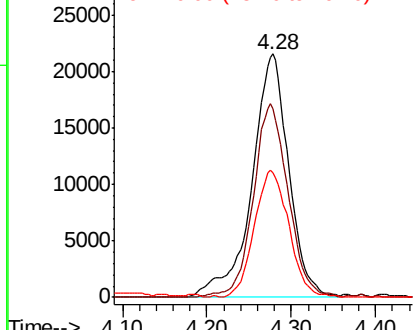
#17
Allvl chloride
Concen: 19.286 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 65398
Ion Ratio Lower Upper
41 100
39 77.6 39.5 118.5
76 50.6 24.9 74.7

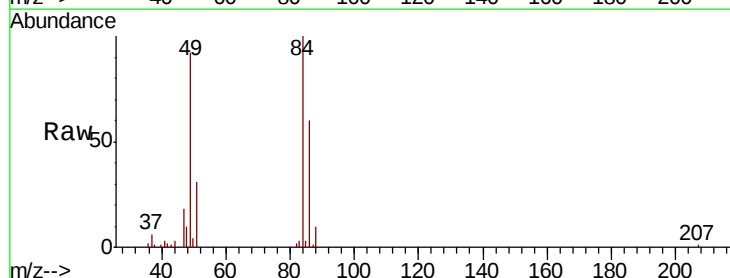


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO

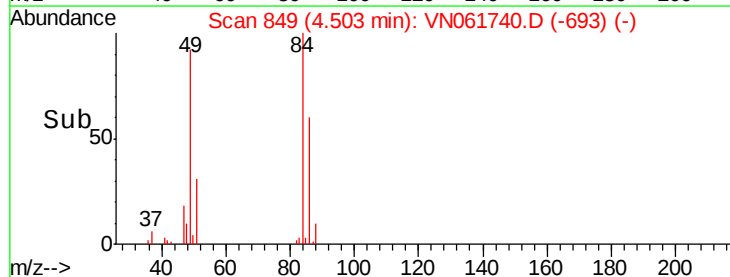
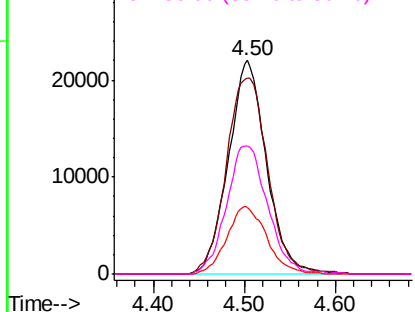


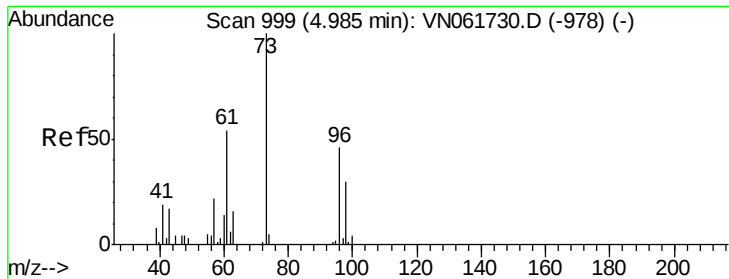
#18
Methylene Chloride
Concen: 18.757 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

Tgt Ion: 84 Resp: 64074
Ion Ratio Lower Upper
84 100
49 92.0 82.6 124.0
51 31.1 25.4 38.0
86 60.0 51.5 77.3



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

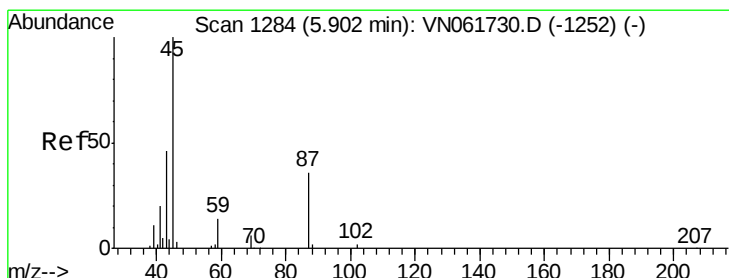
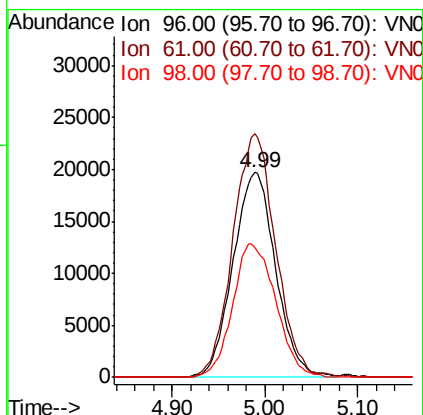
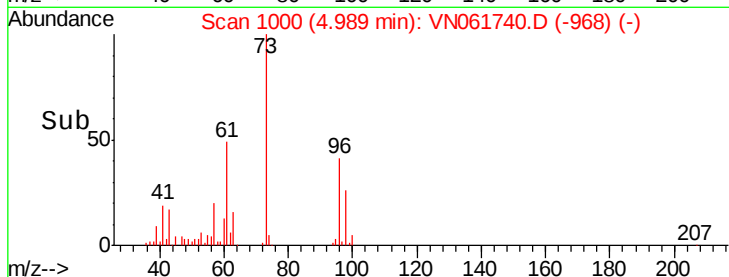
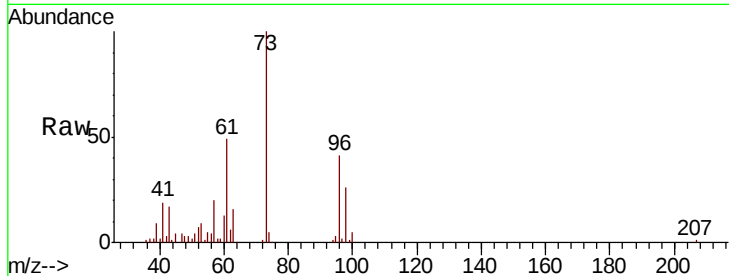




#19
trans-1,2-Dichloroethene
Concen: 18.997 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

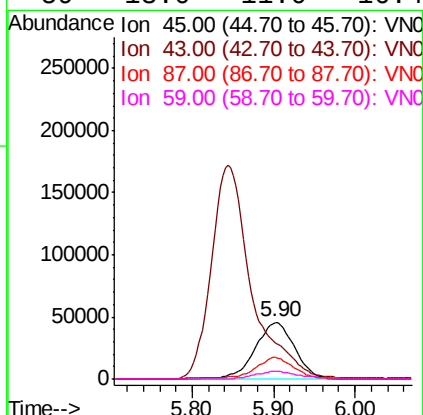
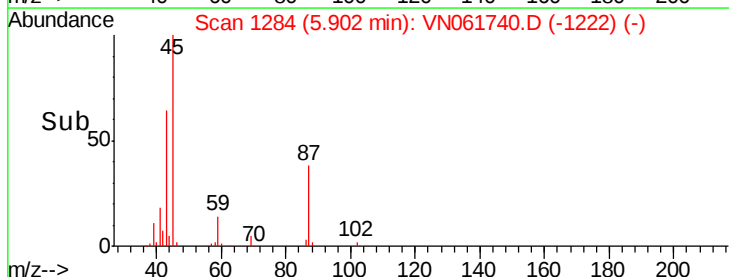
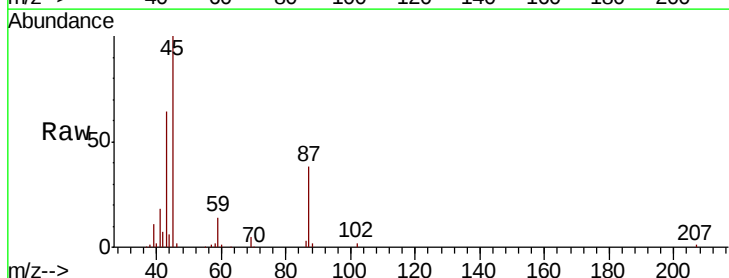
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

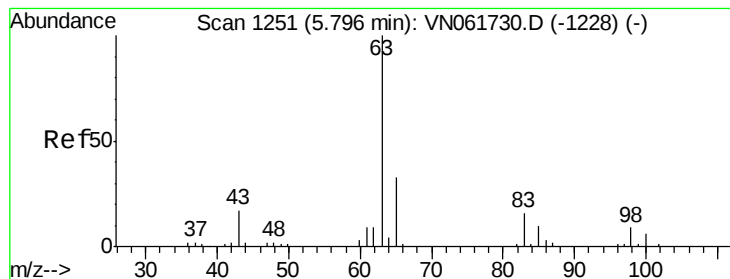
Tot Ion: 96 Resp: 62884
Ion Ratio Lower Upper
96 100
61 118.9 95.4 143.0
98 63.6 52.6 79.0



#20
Diisopropyl ether
Concen: 19.083 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

Tgt Ion: 45 Resp: 154595
Ion Ratio Lower Upper
45 100
43 61.2 50.7 76.1
87 37.9 30.1 45.1
59 13.0 11.0 16.4





#21

1,1-Dichloroethane

Concen: 18.979 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

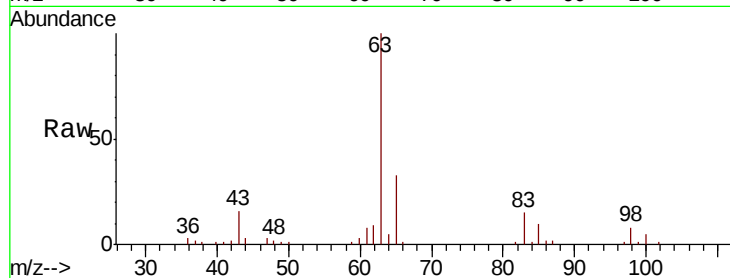
Tot Ion: 63 Resp: 102227

Ion Ratio Lower Upper

63 100

98 7.8 4.5 13.7

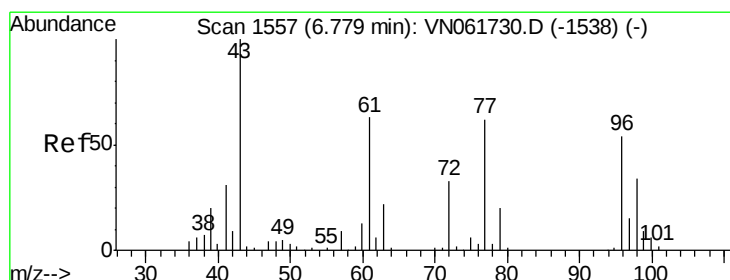
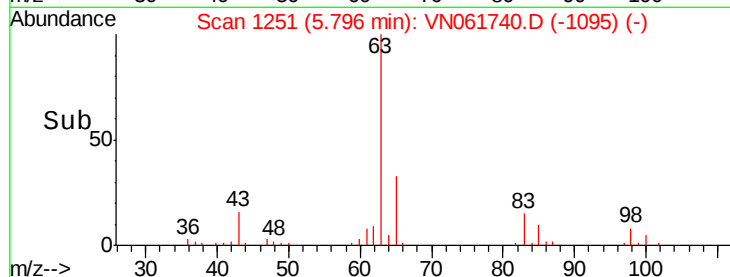
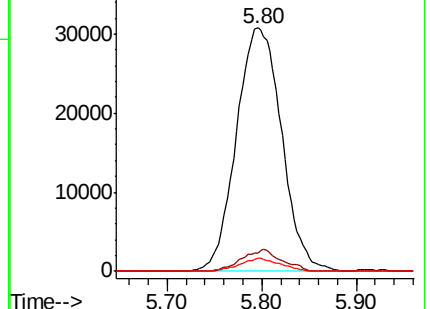
100 5.2 2.9 8.7



Abundance Ion 63.00 (62.70 to 63.70): VN061730.D (-1228) (-)

Ion 98.00 (97.70 to 98.70): VN061730.D (-1228) (-)

Ion 100.00 (99.70 to 100.70): VN061730.D (-1228) (-)



#22

cis-1,2-Dichloroethene

Concen: 18.801 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

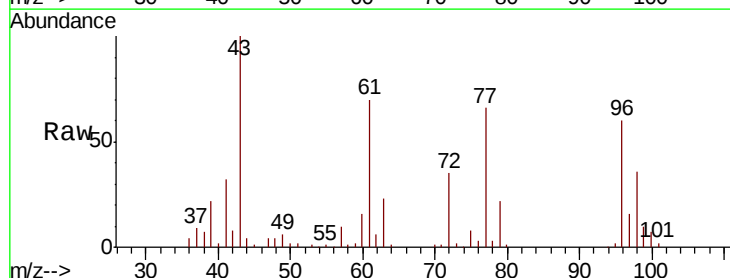
Tgt Ion: 96 Resp: 72997

Ion Ratio Lower Upper

96 100

61 124.3 100.6 151.0

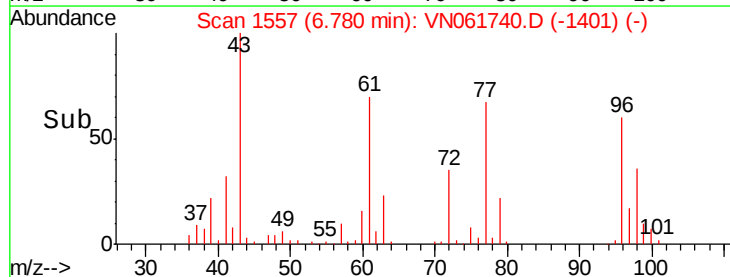
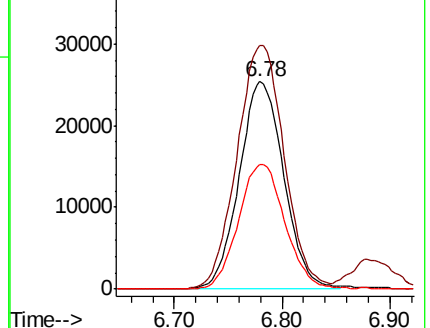
98 62.5 52.6 79.0

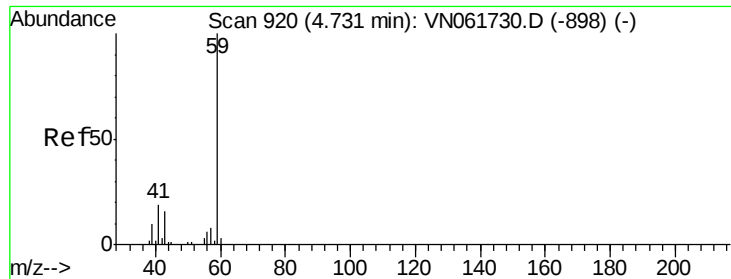


Abundance Ion 96.00 (95.70 to 96.70): VN061730.D (-1538) (-)

Ion 61.00 (60.70 to 61.70): VN061730.D (-1538) (-)

Ion 98.00 (97.70 to 98.70): VN061730.D (-1538) (-)



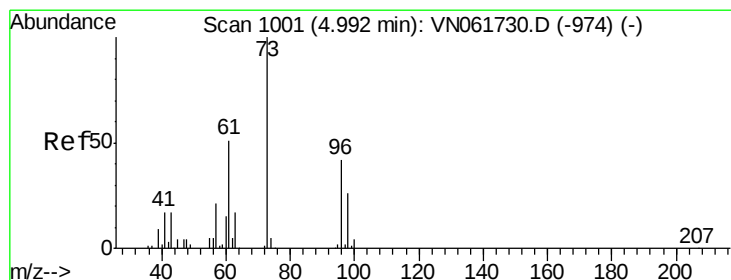
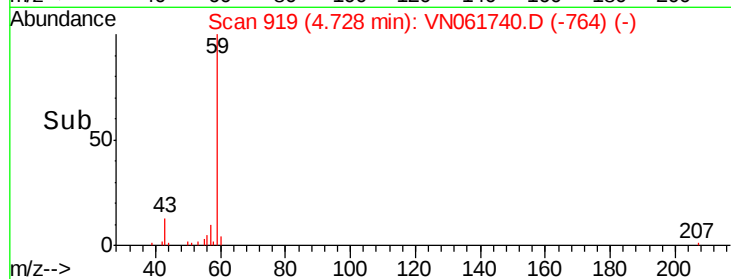
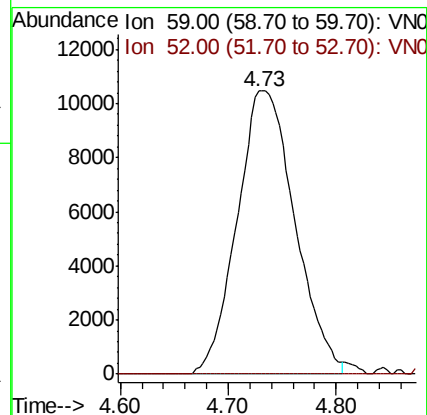
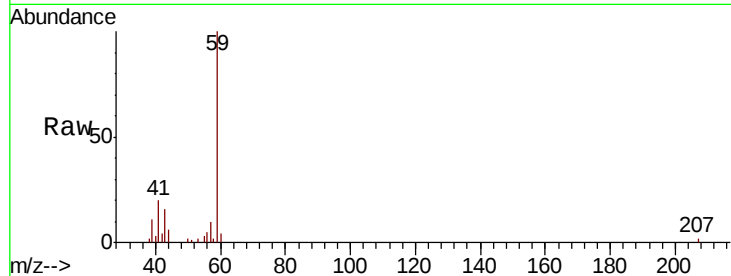


#23

tert-Butyl Alcohol
 Concen: 82.403 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

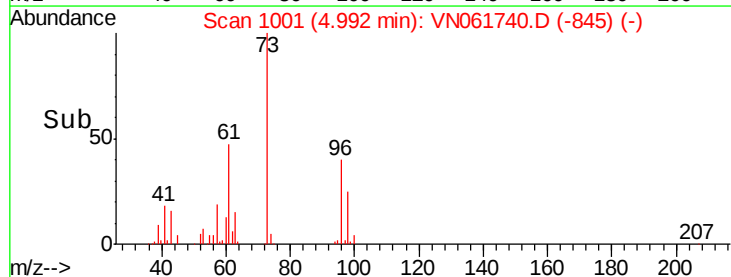
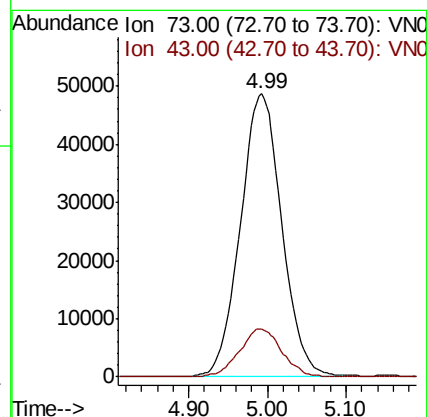
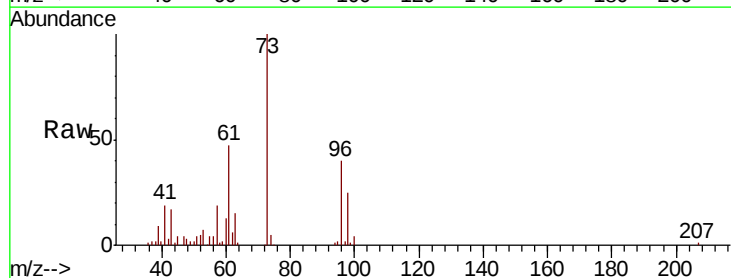
Tot Ion: 59 Resp: 38957
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

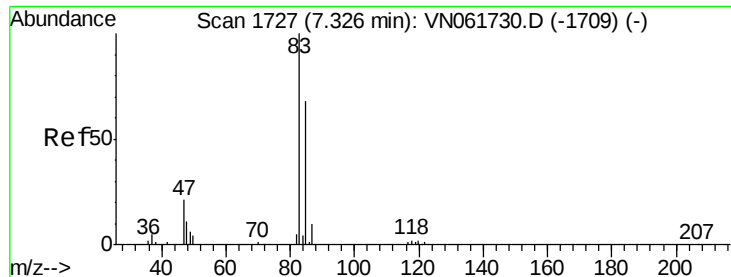


#24

Methyl tert-Butyl Ether
 Concen: 18.984 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Tgt Ion: 73 Resp: 180148
 Ion Ratio Lower Upper
 73 100
 43 17.2 7.0 10.4#





#25

Chloroform

Concen: 18.965 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

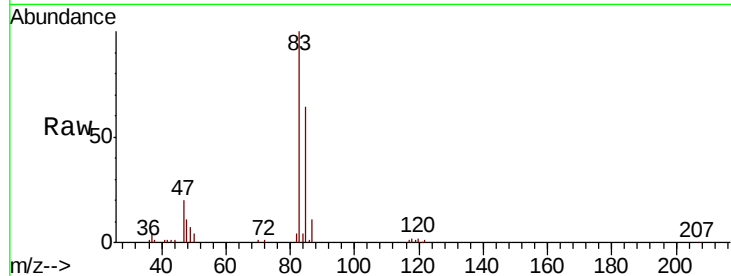
VSTDCCC020EC

Tot Ion: 83 Resp: 115722

Ion Ratio Lower Upper

83 100

85 64.2 54.2 81.4

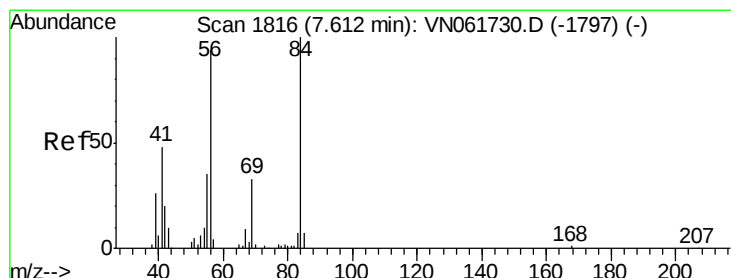
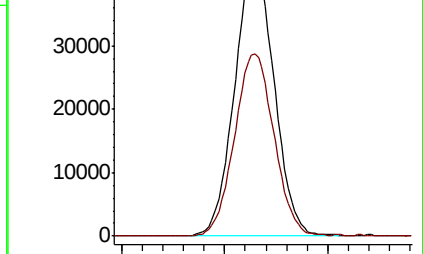
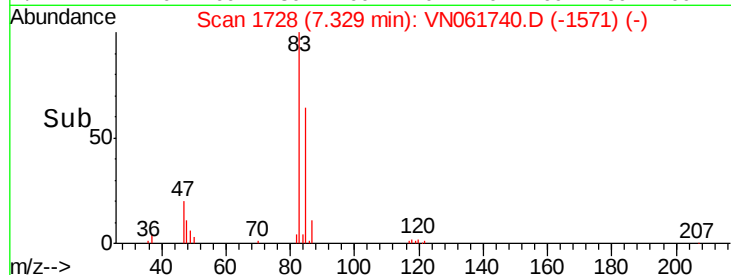


Abundance Ion 83.00 (82.70 to 83.70): VN061730.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VN061730.D (-1709) (-)

7.33

Time-->



#26

Cyclohexane

Concen: 19.602 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

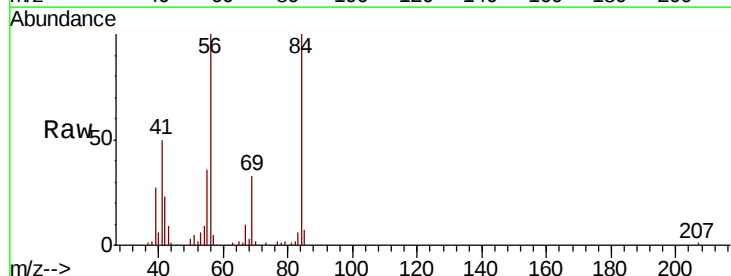
Tgt Ion: 56 Resp: 80625

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 101.6 83.5 125.3



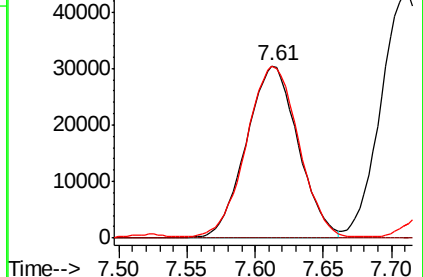
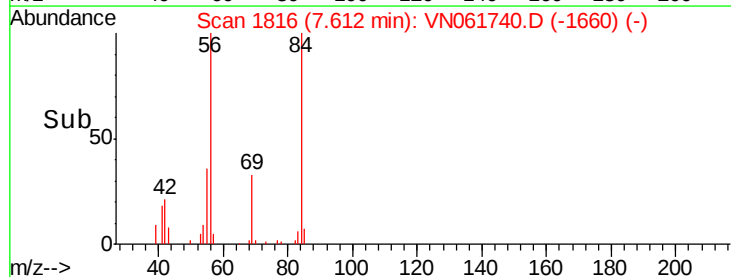
Abundance Ion 56.00 (55.70 to 56.70): VN061730.D (-1797) (-)

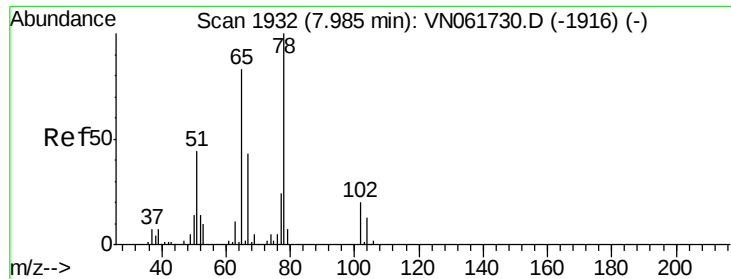
Ion 89.00 (88.70 to 89.70): VN061730.D (-1797) (-)

Ion 84.00 (83.70 to 84.70): VN061730.D (-1797) (-)

7.61

Time-->

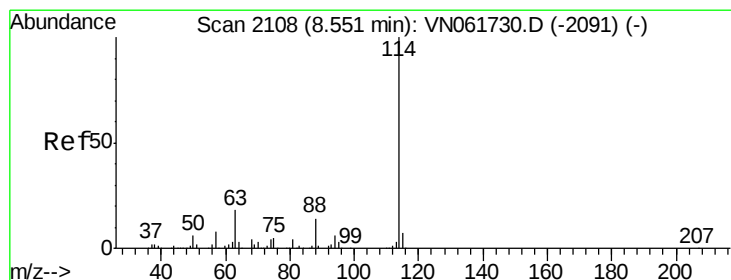
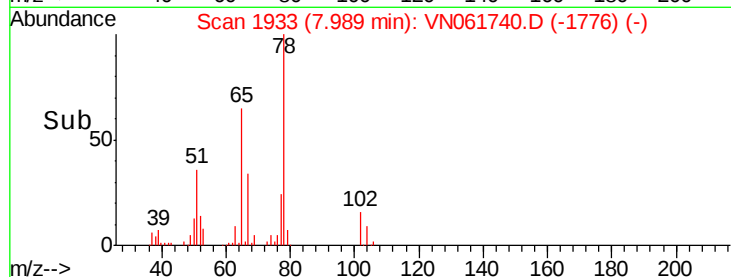
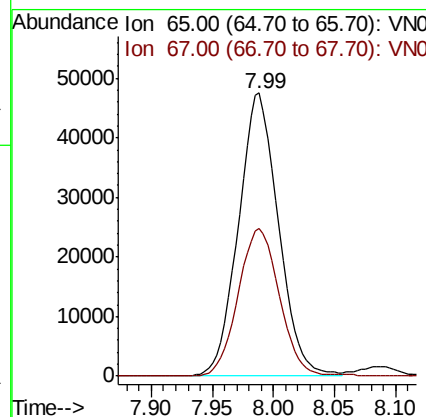
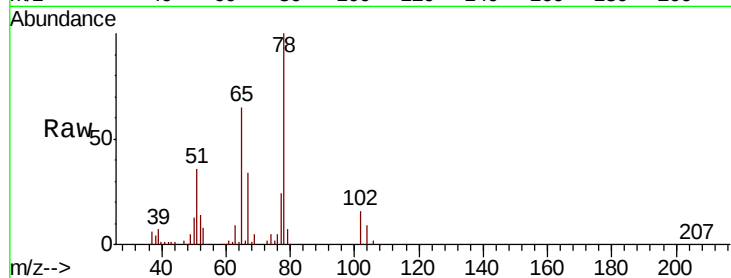




#27
 1,2-Dichloroethane-d4
 Concen: 29.194 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

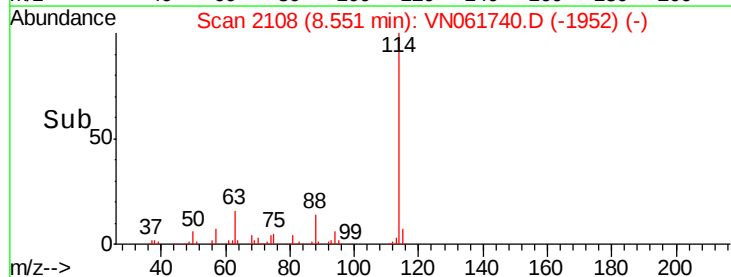
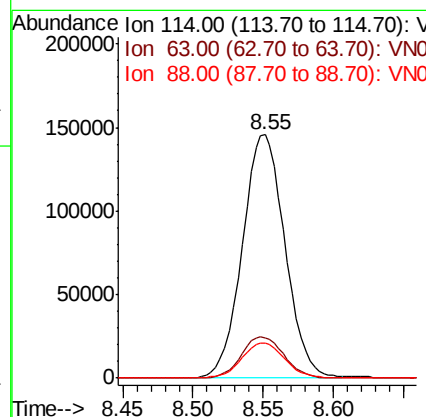
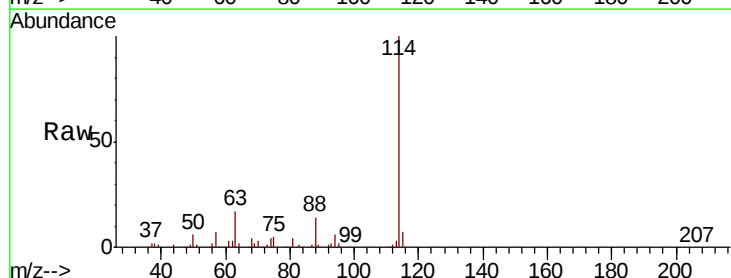
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

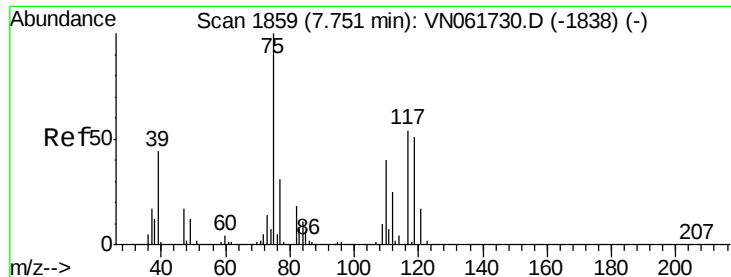
Tot Ion: 65 Resp: 107791
 Ion Ratio Lower Upper
 65 100
 67 53.6 42.2 63.4



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Tgt Ion: 114 Resp: 307627
 Ion Ratio Lower Upper
 114 100
 63 17.1 14.2 21.2
 88 14.7 11.4 17.2

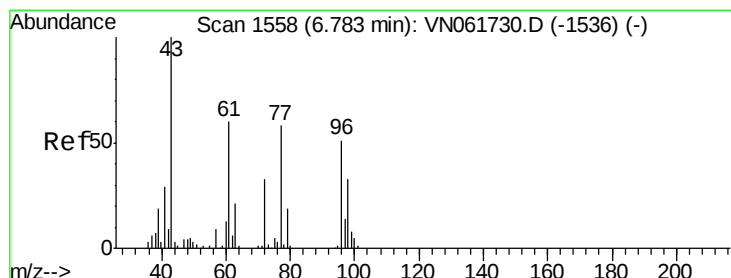
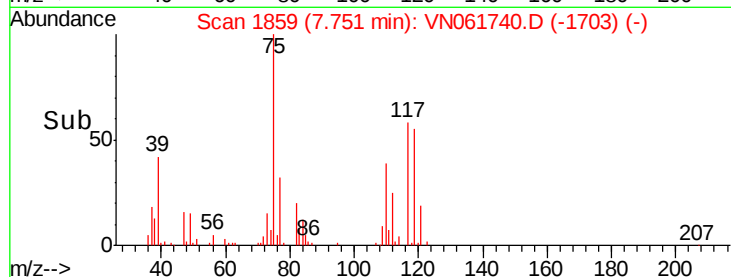
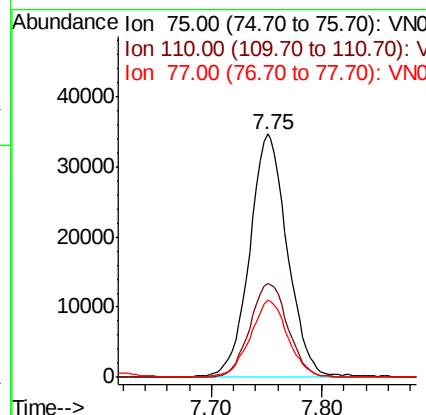
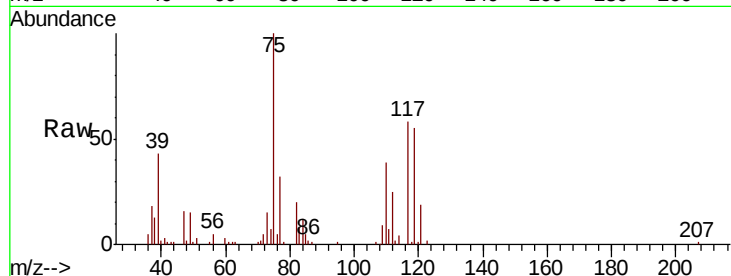




#29
 1,1-Dichloropropene
 Concen: 19.809 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

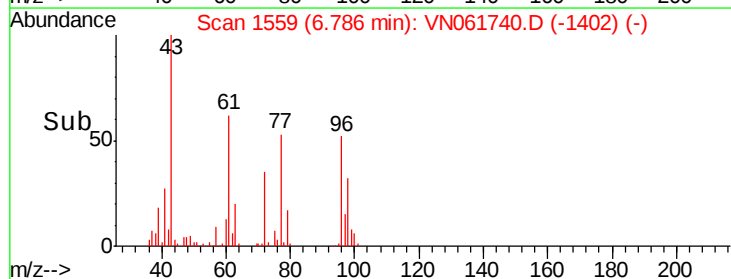
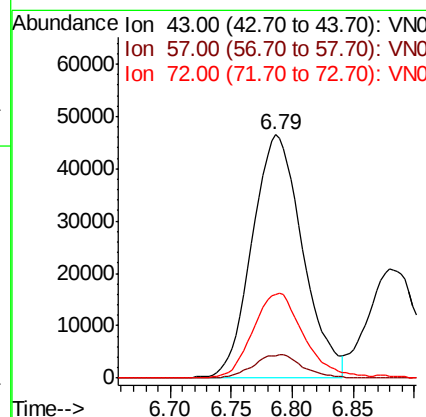
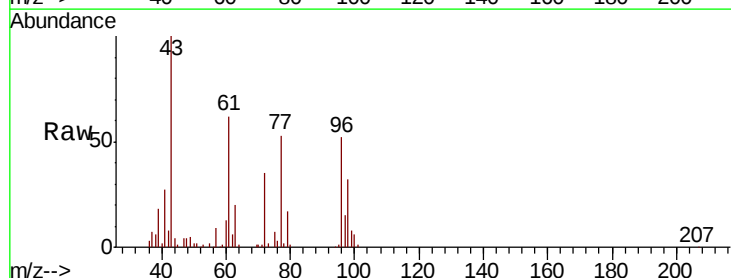
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

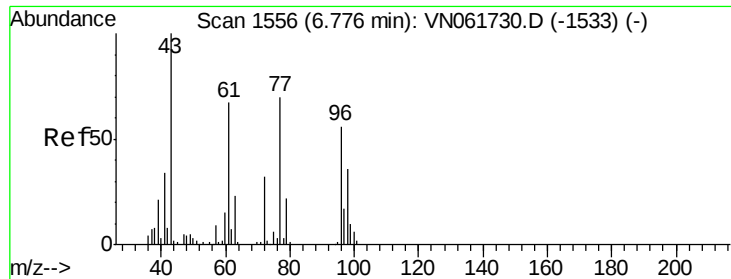
Tot Ion	Ratio	Lower	Upper
75	100		
110	38.9	0.0	78.6
77	31.7	0.0	62.4



#30
 2-Butanone
 Concen: 93.431 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.4	7.6	11.4
72	35.1	27.8	41.6





#31

2,2-Dichloropropane

Concen: 19.203 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

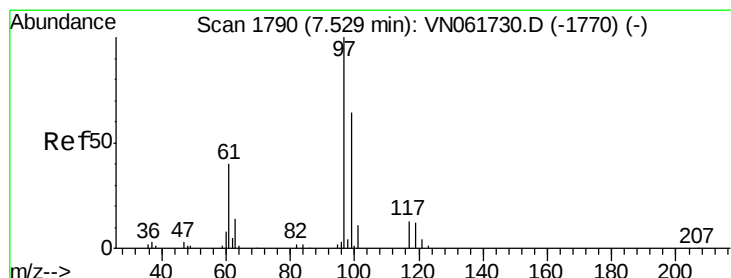
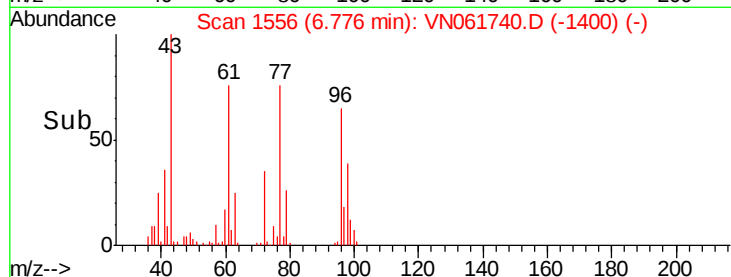
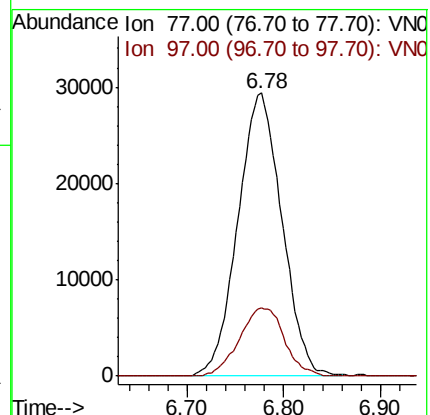
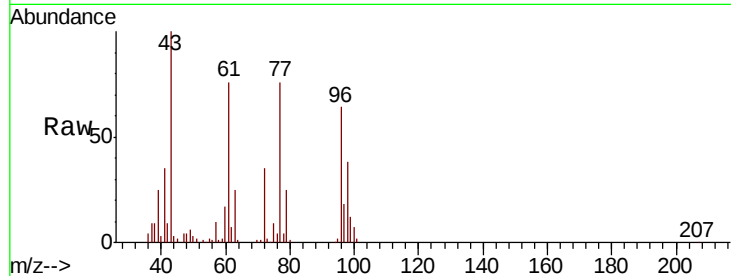
VSTDCCC020EC

Tot Ion: 77 Resp: 92935

Ion Ratio Lower Upper

77 100

97 24.5 19.6 29.4



#32

1,1,1-Trichloroethane

Concen: 19.459 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

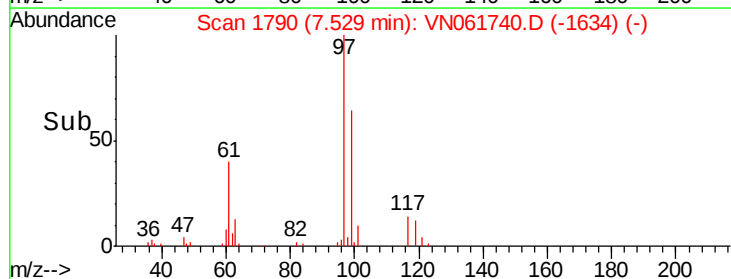
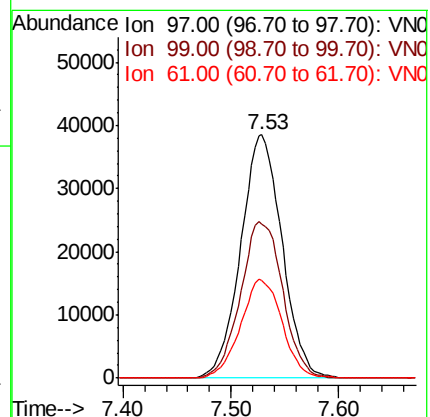
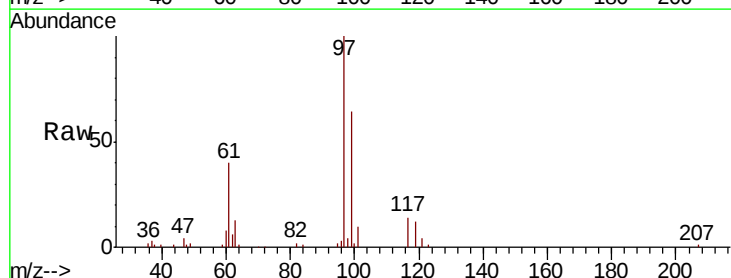
Tgt Ion: 97 Resp: 102706

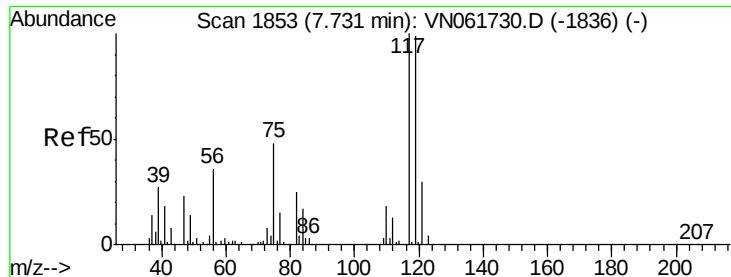
Ion Ratio Lower Upper

97 100

99 65.5 51.9 77.9

61 40.7 32.3 48.5

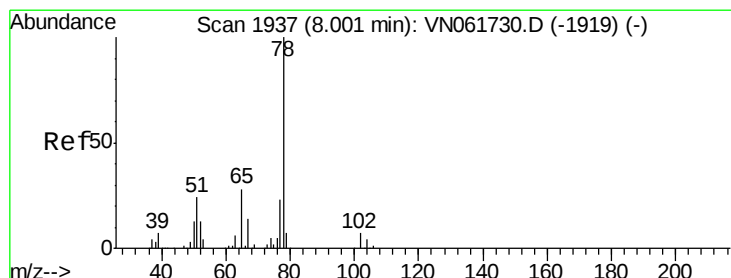
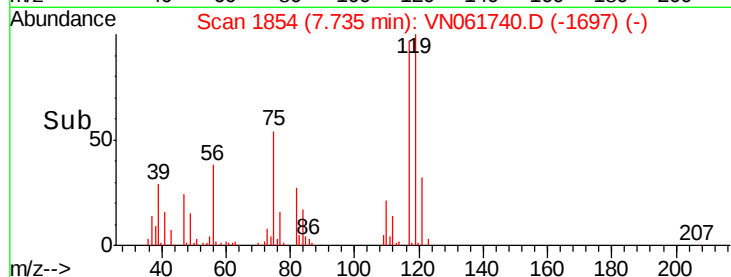
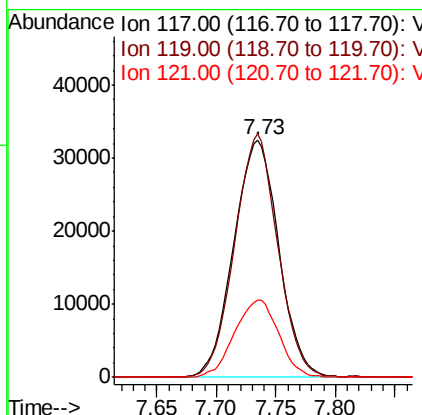
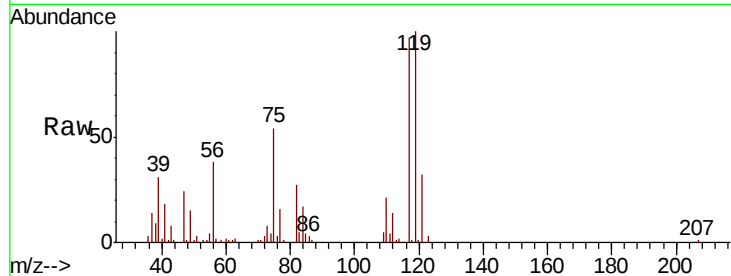




#33
Carbon Tetrachloride
Concen: 19.780 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

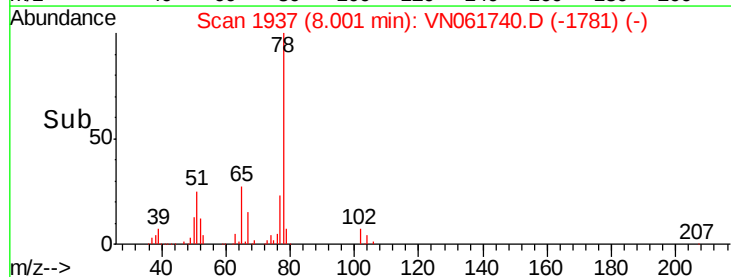
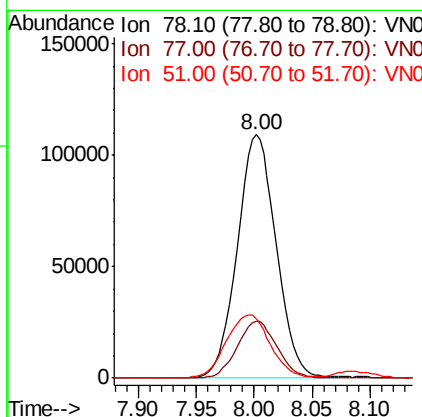
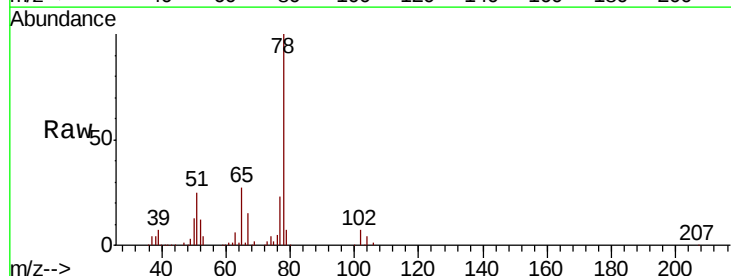
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

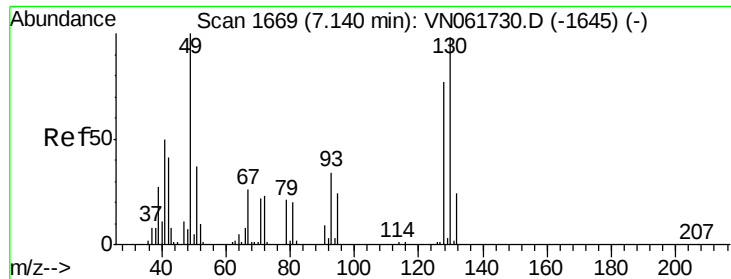
Tot Ion	Ratio	Lower	Upper
117	100		
119	102.6	79.3	118.9
121	32.5	24.2	36.4



#34
Benzene
Concen: 19.757 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.4	27.6
51	24.3	19.1	28.7

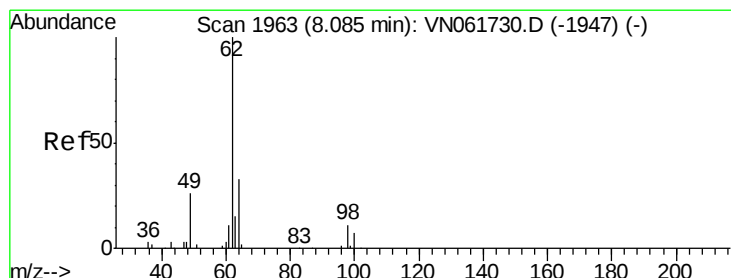
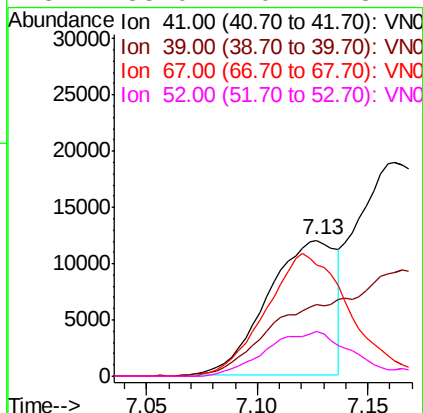
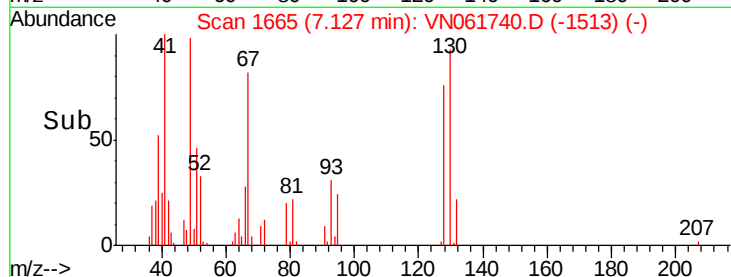
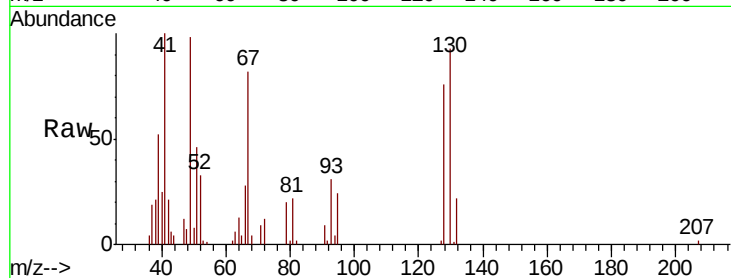




#35
Methacrylonitrile
Concen: 19.326 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.01 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

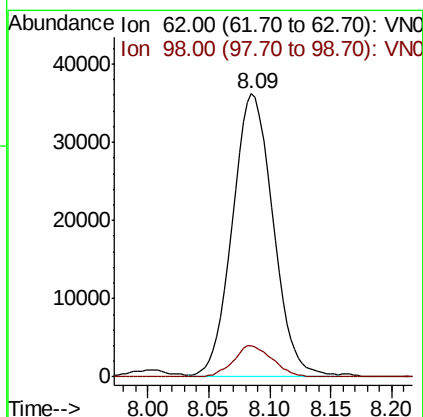
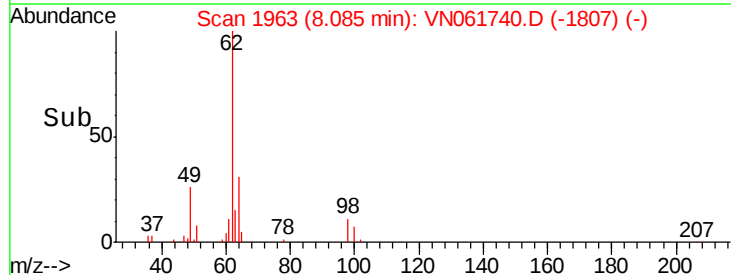
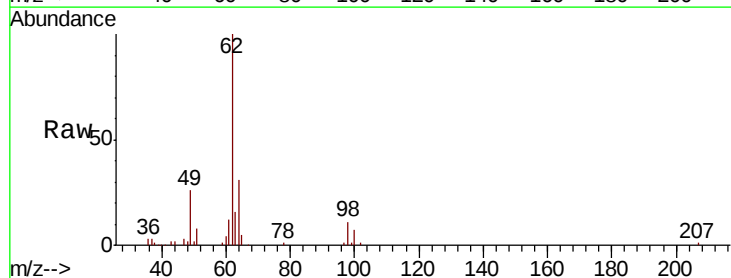
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

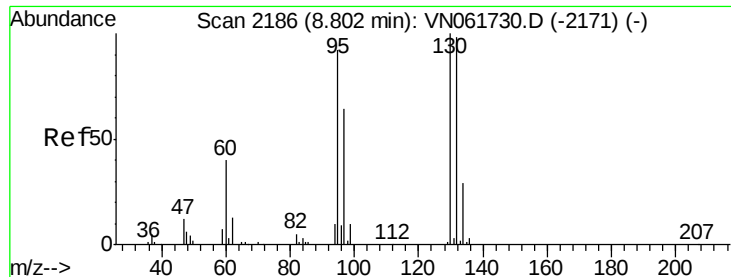
Tot Ion: 41 Resp: 25701
Ion Ratio Lower Upper
41 100
39 51.8 26.5 79.5
67 83.3 25.4 76.2#
52 33.0 10.4 31.2#



#36
1,2-Dichloroethane
Concen: 20.149 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

Tgt Ion: 62 Resp: 83911
Ion Ratio Lower Upper
62 100
98 10.5 9.4 14.2

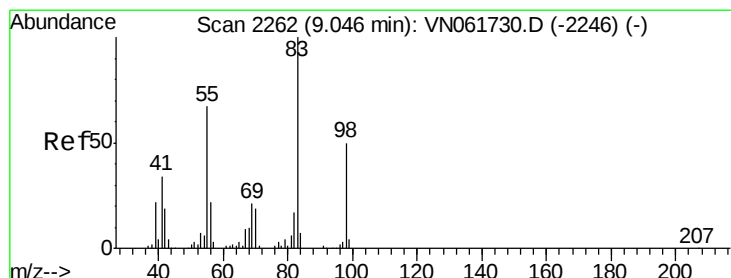
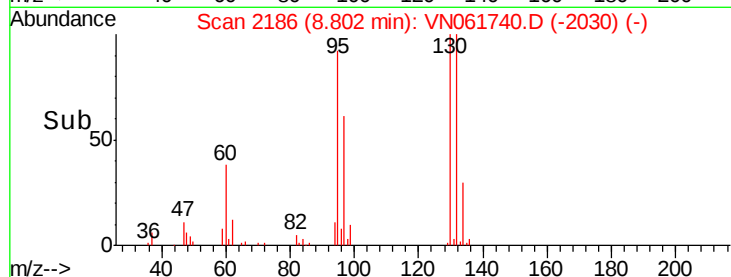
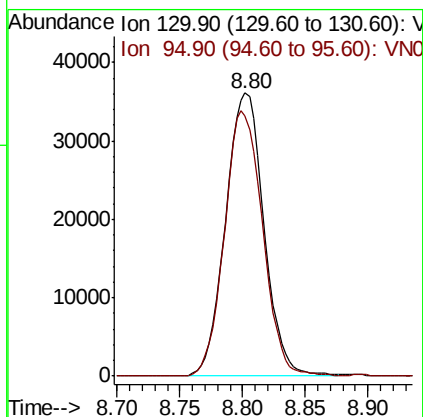
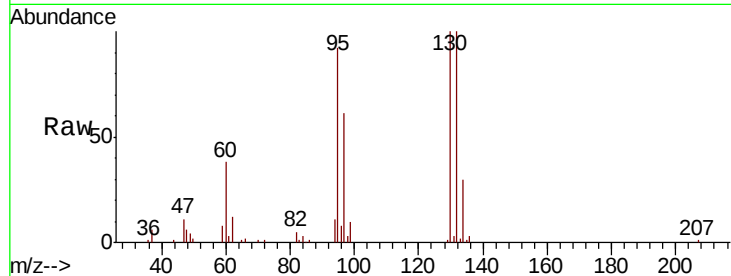




#37
 Trichloroethene
 Concen: 19.097 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

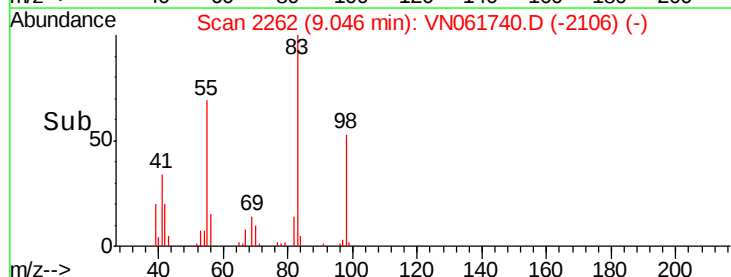
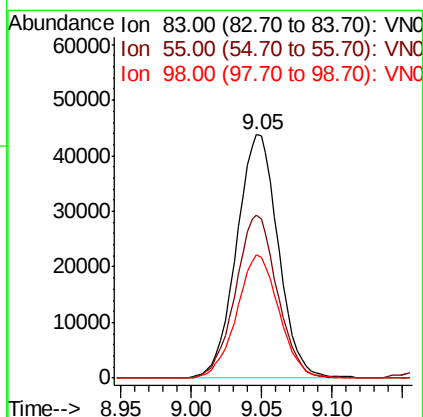
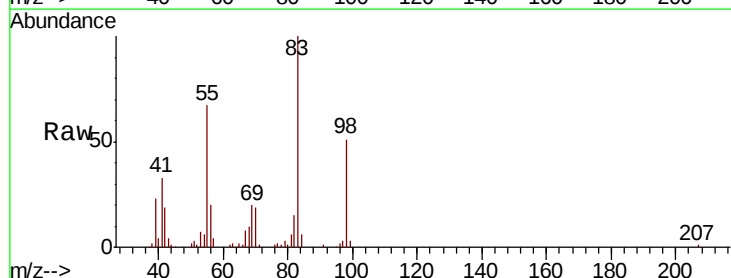
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

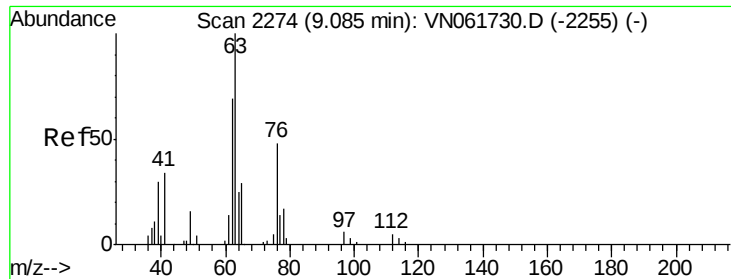
Tot Ion:130 Resp: 76759
 Ion Ratio Lower Upper
 130 100
 95 92.1 73.9 110.9



#38
 Methylcyclohexane
 Concen: 19.566 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Tgt Ion: 83 Resp: 90528
 Ion Ratio Lower Upper
 83 100
 55 66.8 32.7 98.1
 98 51.2 25.4 76.4





#39

1,2-Dichloropropane

Concen: 19.542 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

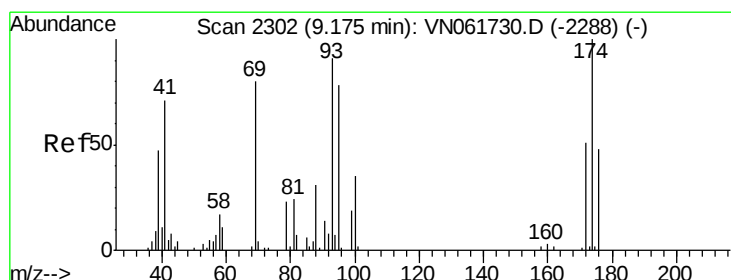
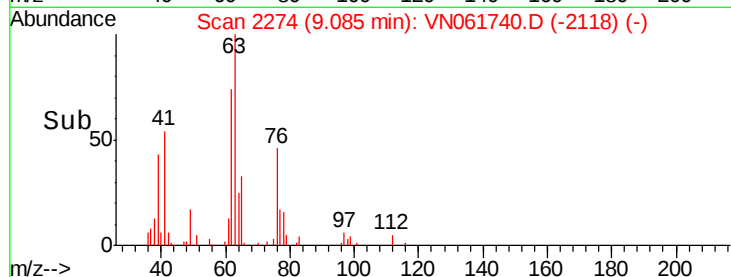
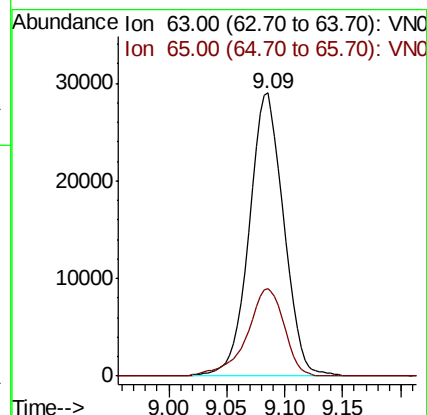
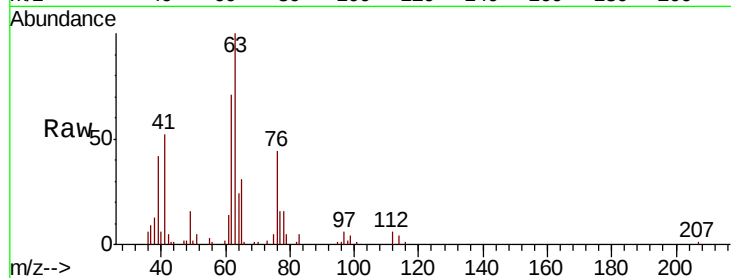
VSTDCCC020EC

Tot Ion: 63 Resp: 60316

Ion Ratio Lower Upper

63 100

65 31.0 24.3 36.5



#40

Dibromomethane

Concen: 19.823 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

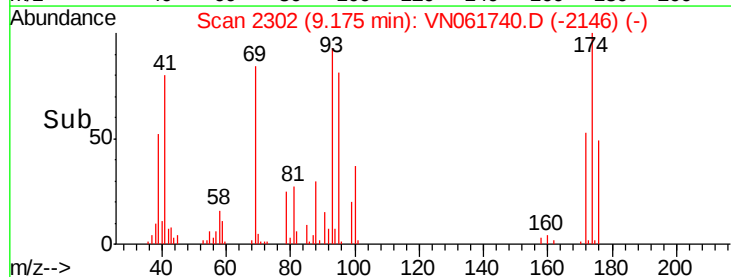
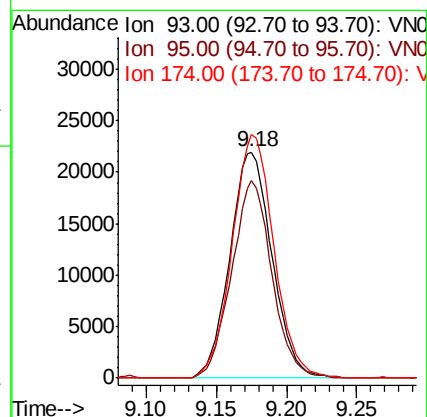
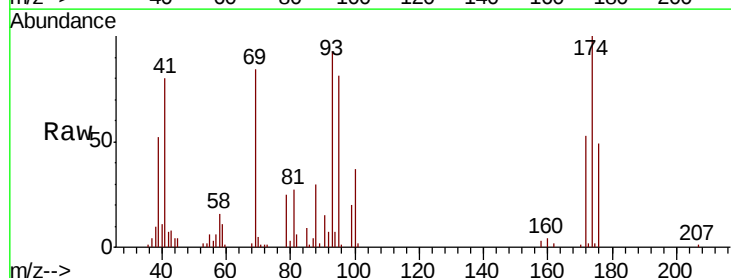
Tgt Ion: 93 Resp: 45890

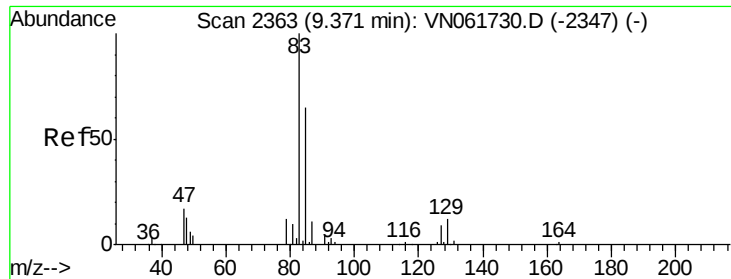
Ion Ratio Lower Upper

93 100

95 83.2 0.0 165.8

174 106.5 0.0 217.8





#41

Bromodichloromethane

Concen: 19.232 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

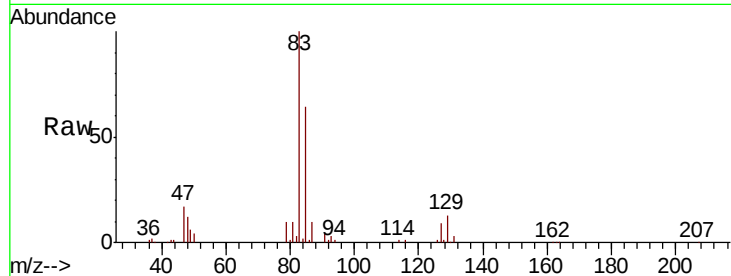
Tot Ion: 83 Resp: 90316

Ion Ratio Lower Upper

83 100

85 63.9 52.2 78.4

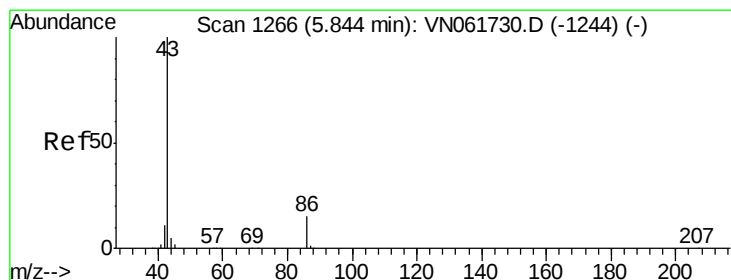
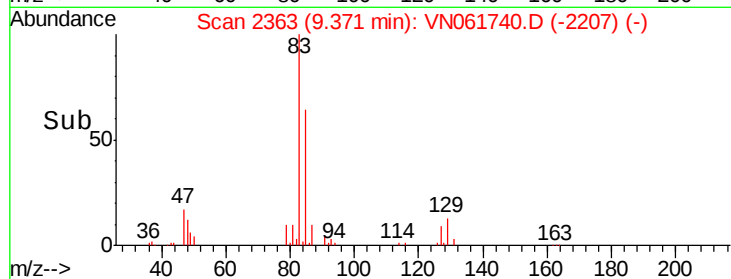
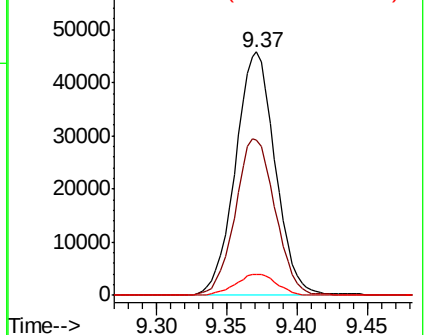
127 8.8 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN061730.D (-2347) (-)

Ion 85.00 (84.70 to 85.70): VN061730.D (-2347) (-)

Ion 127.00 (126.70 to 127.70): VN061730.D (-2347) (-)



#42

Vinyl Acetate

Concen: 101.101 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN061740.D

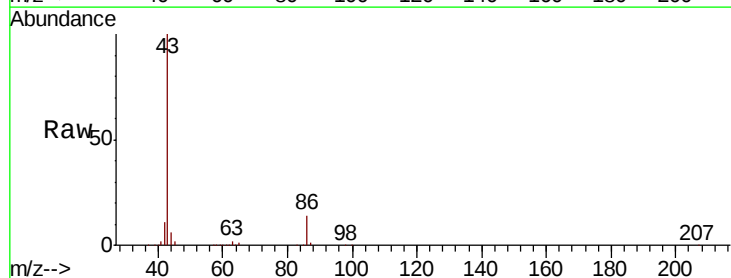
Acq: 10 Jun 2020 16:28

Tgt Ion: 43 Resp: 597184

Ion Ratio Lower Upper

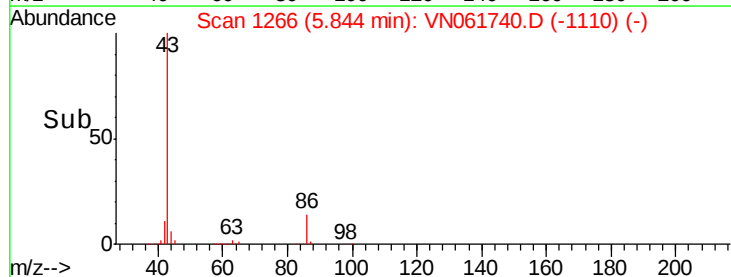
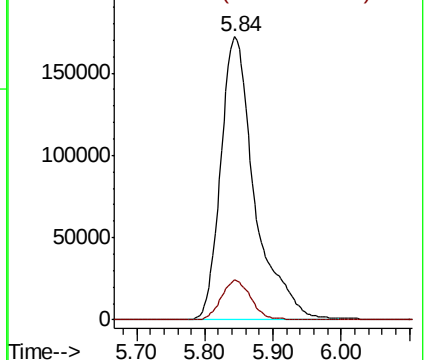
43 100

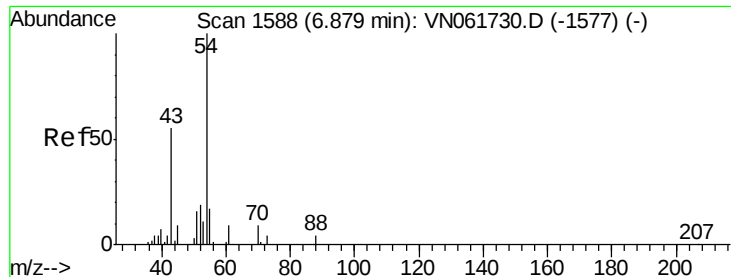
86 12.3 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN061730.D (-1244) (-)

Ion 86.00 (85.70 to 86.70): VN061730.D (-1244) (-)





#43

Ethyl Acetate

Concen: 19.908 ug/l

RT: 6.88 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

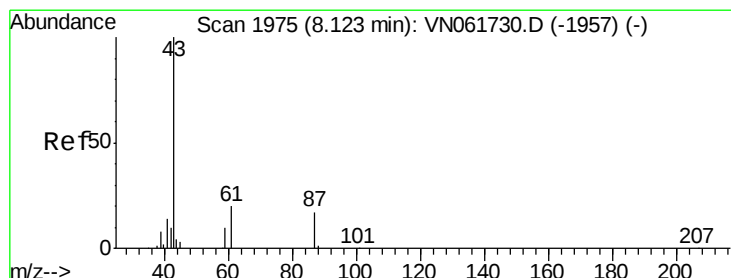
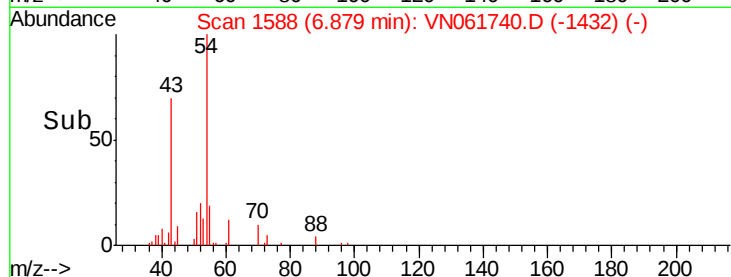
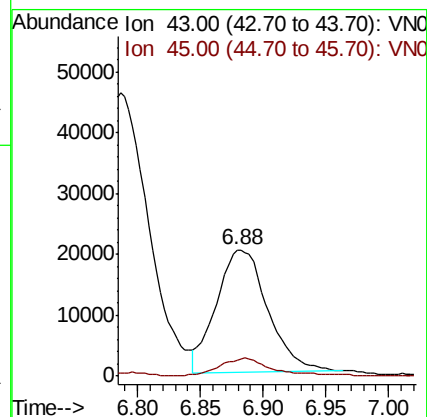
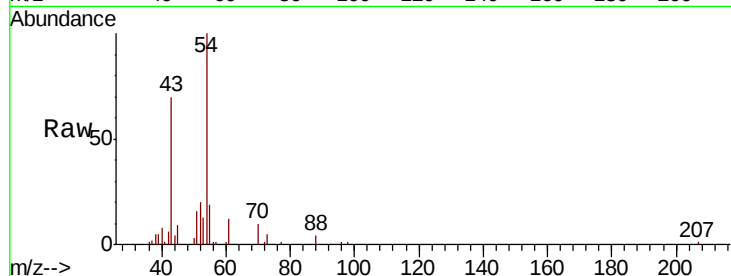
VSTDCCC020EC

Tot Ion: 43 Resp: 57889

Ion Ratio Lower Upper

43 100

45 13.7 11.4 17.2



#44

Isopropyl Acetate

Concen: 19.603 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061740.D

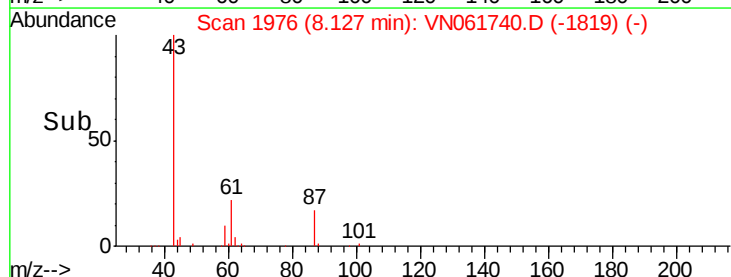
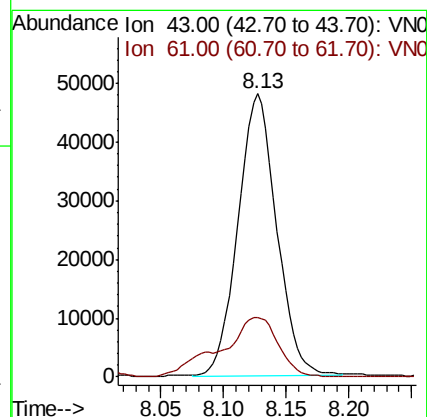
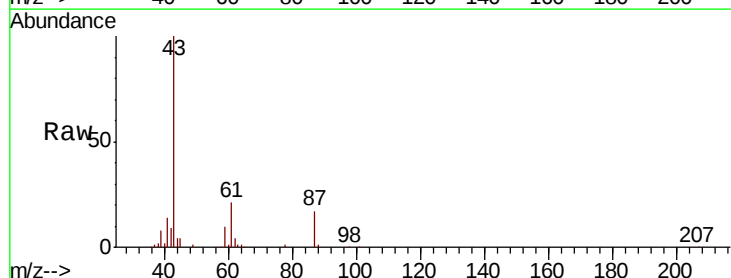
Acq: 10 Jun 2020 16:28

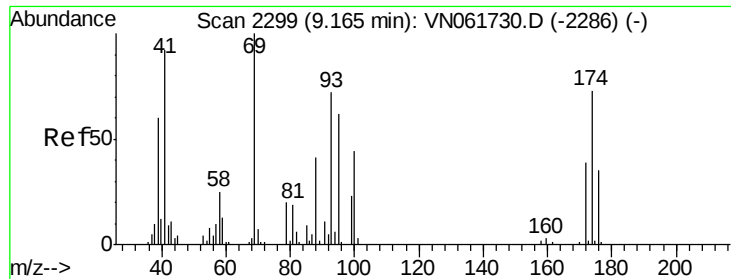
Tgt Ion: 43 Resp: 103133

Ion Ratio Lower Upper

43 100

61 21.6 18.9 28.3

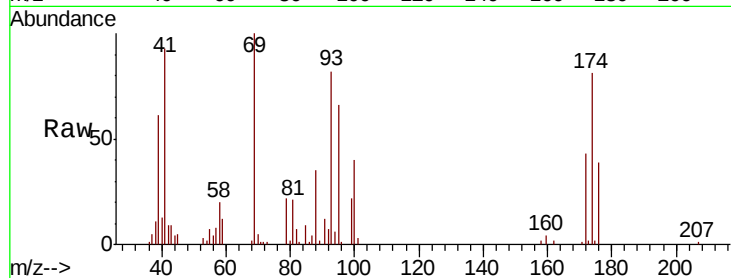




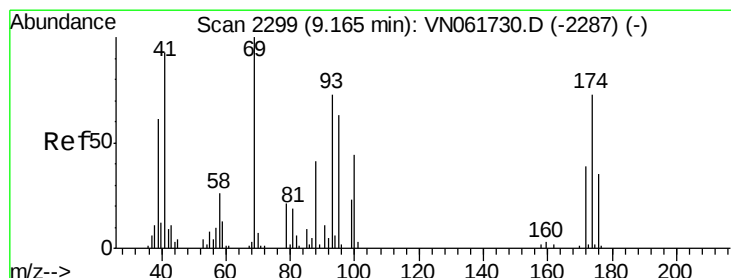
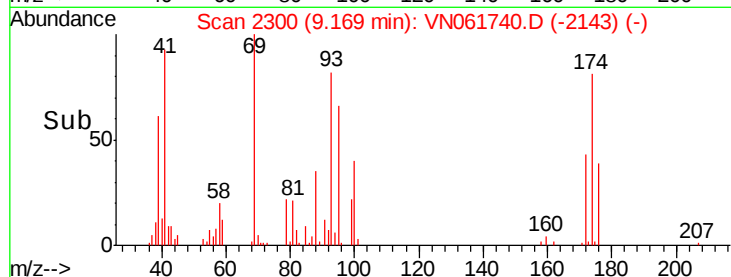
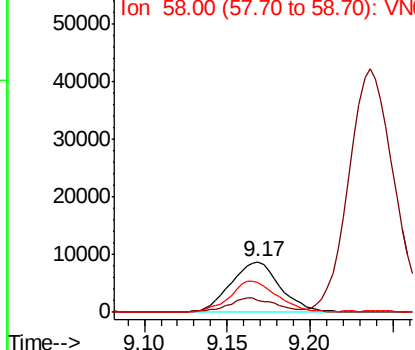
#45
 1,4-Dioxane
 Concen: 337.502 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 18147
 Ion Ratio Lower Upper
 88 100
 43 27.6 21.8 32.8
 58 59.3 48.4 72.6

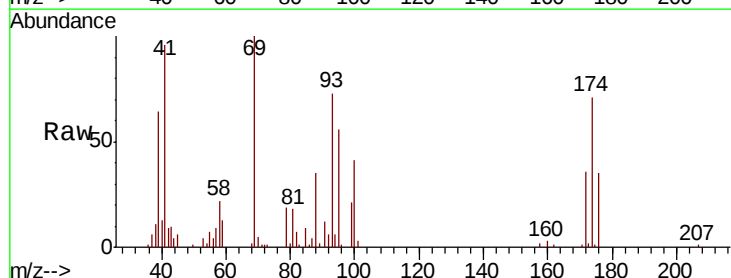


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

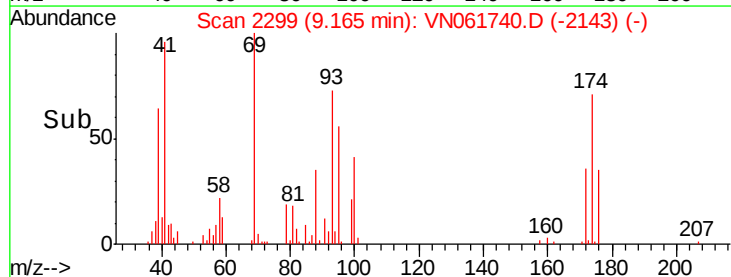
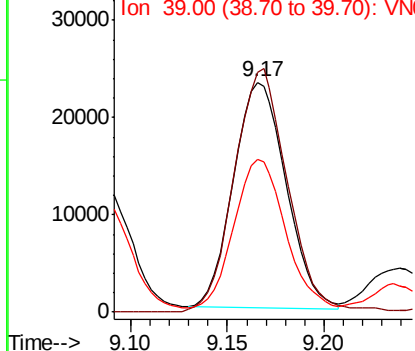


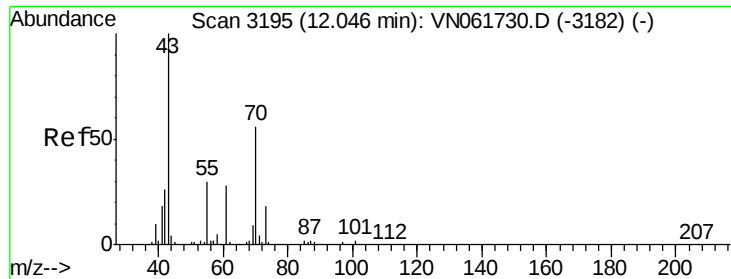
#46
 Methyl methacrylate
 Concen: 19.212 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Tgt Ion: 41 Resp: 43850
 Ion Ratio Lower Upper
 41 100
 69 105.9 53.8 161.4
 39 66.1 33.0 98.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

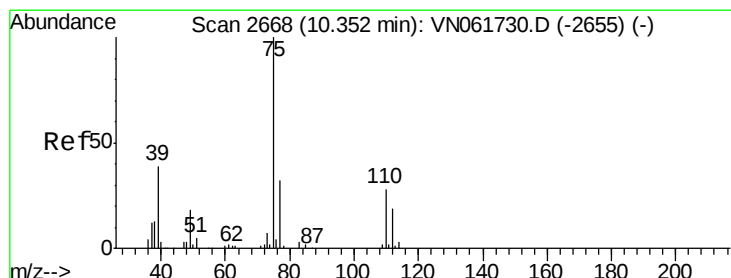
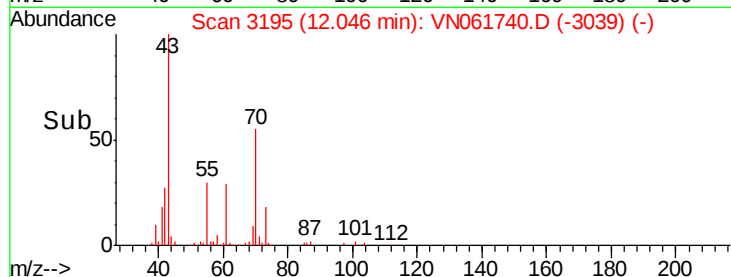
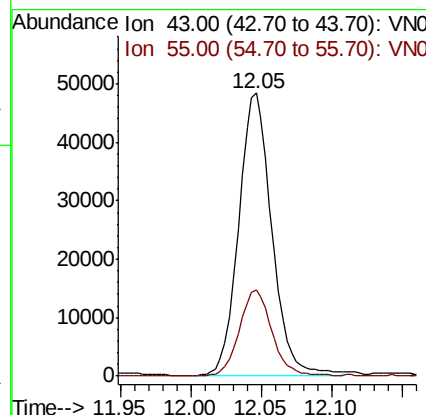
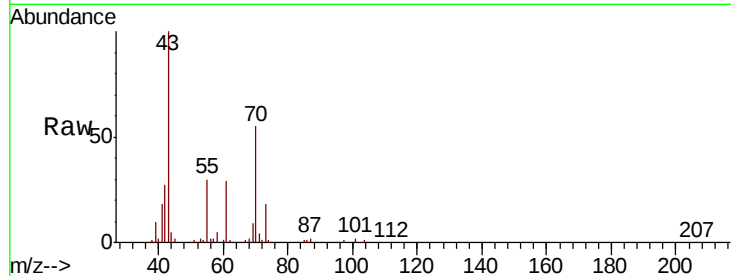




#47
n-amyl Acetate
Concen: 18.007 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

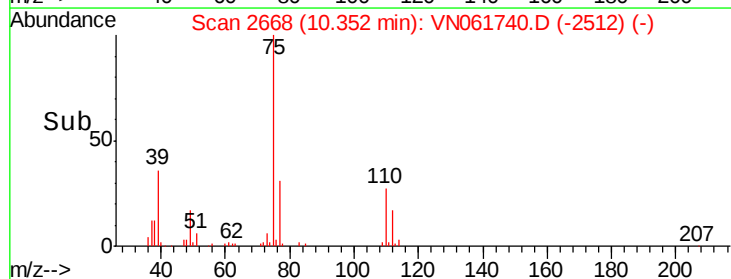
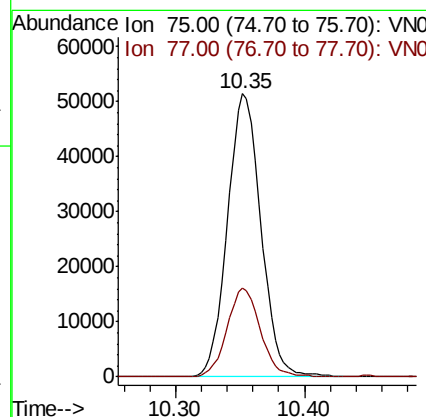
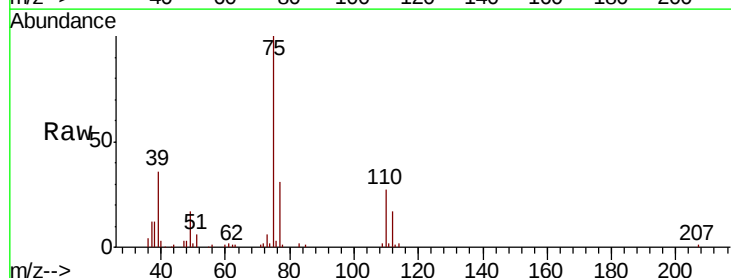
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

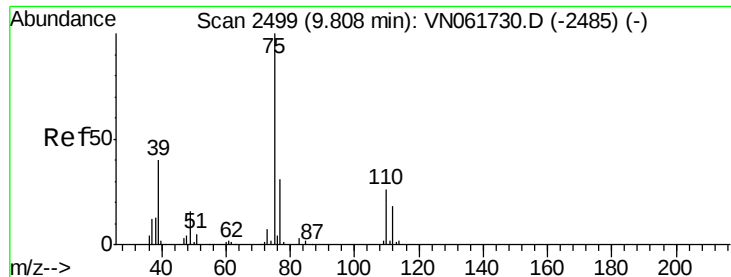
Tot Ion: 43 Resp: 80275
Ion Ratio Lower Upper
43 100
55 30.1 22.7 34.1



#48
t-1,3-Dichloropropene
Concen: 18.919 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

Tgt Ion: 75 Resp: 92656
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2



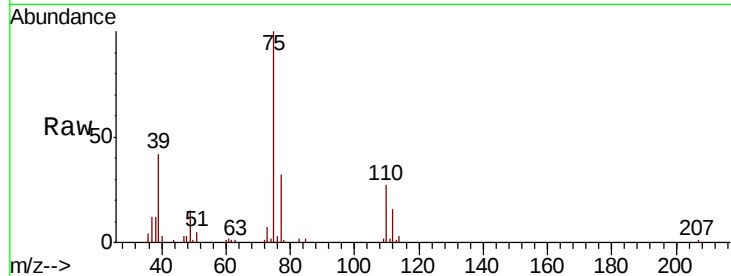


#49

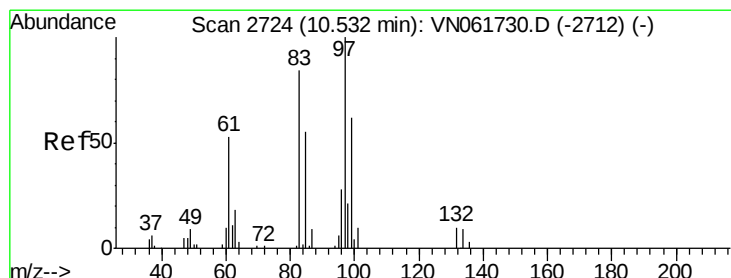
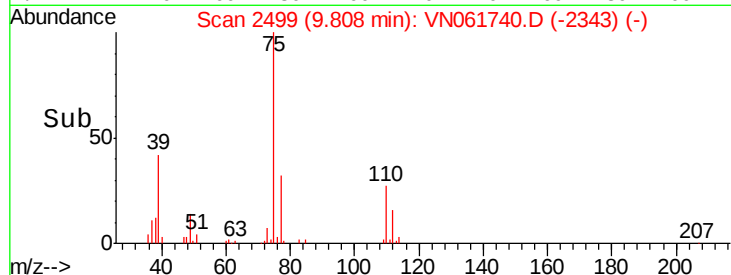
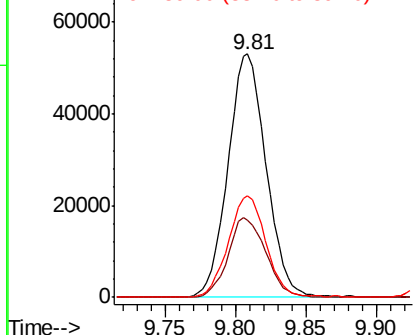
cis-1,3-Dichloropropene
 Concen: 18.706 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 75 Resp: 100149
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.8 37.2
 39 42.0 31.8 47.6



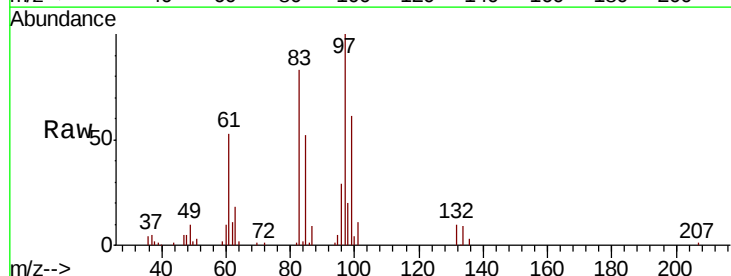
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



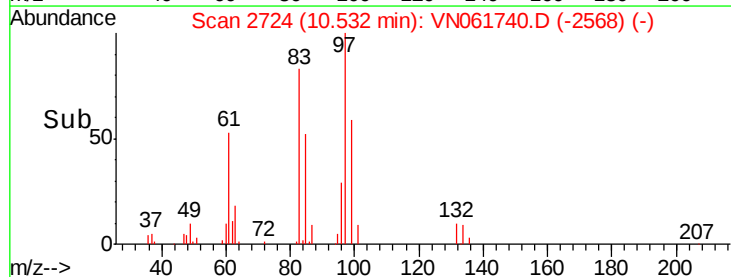
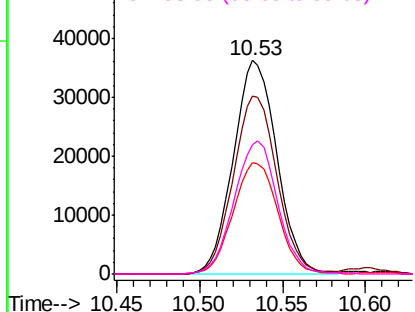
#50

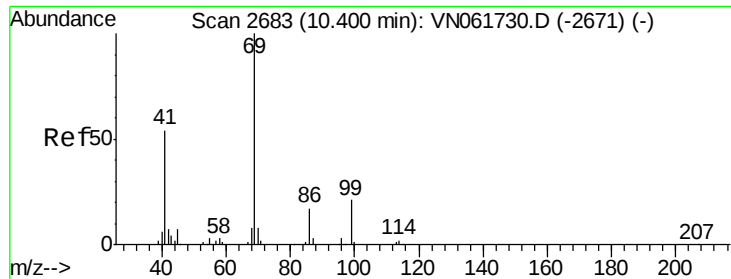
1,1,2-Trichloroethane
 Concen: 19.717 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Tgt Ion: 97 Resp: 66326
 Ion Ratio Lower Upper
 97 100
 83 83.4 67.6 101.4
 85 51.9 44.0 66.0
 99 60.3 50.0 75.0



Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.284 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

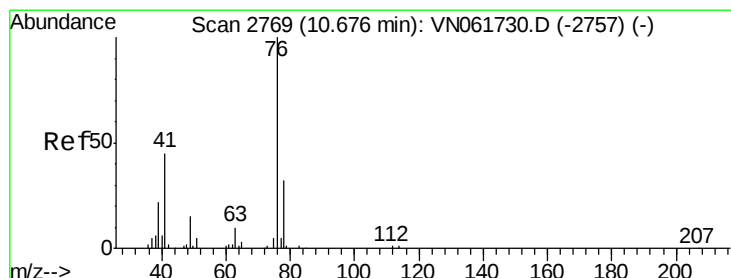
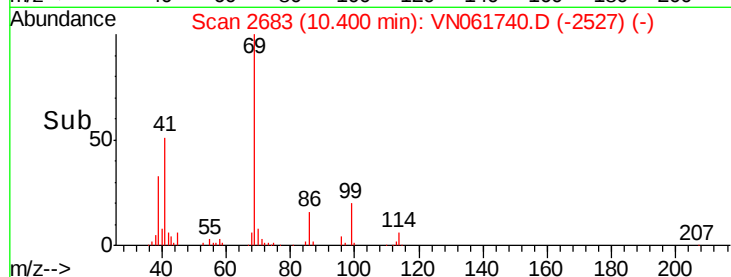
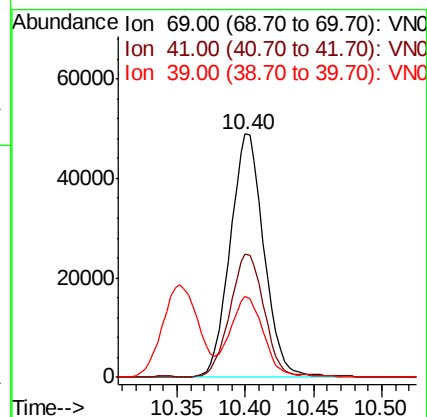
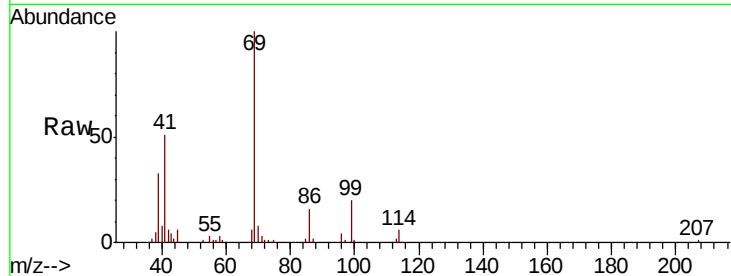
Tot Ion: 69 Resp: 84286

Ion Ratio Lower Upper

69 100

41 50.5 26.9 80.7

39 33.0 16.7 50.1



#52

1,3-Dichloropropane

Concen: 19.410 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VN061740.D

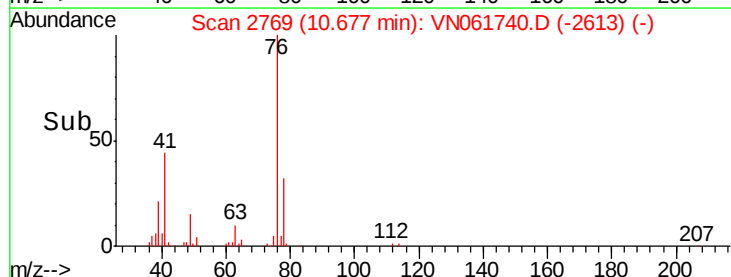
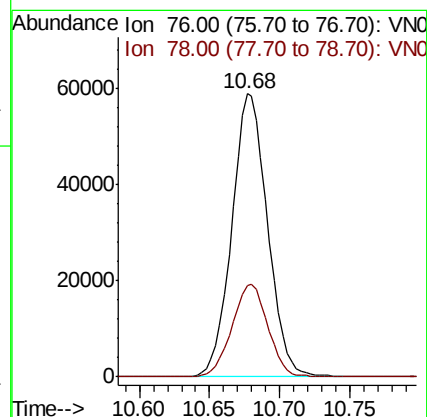
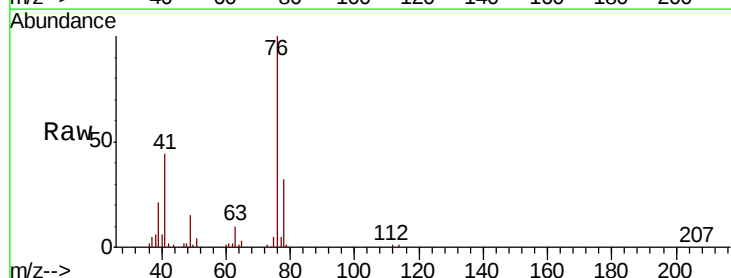
Acq: 10 Jun 2020 16:28

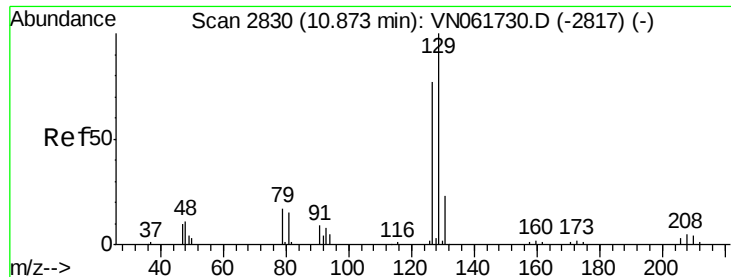
Tgt Ion: 76 Resp: 103994

Ion Ratio Lower Upper

76 100

78 32.9 0.0 65.8

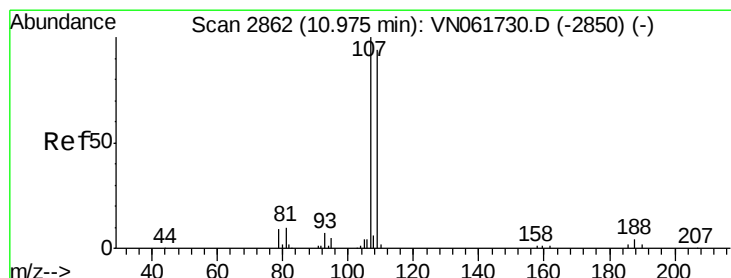
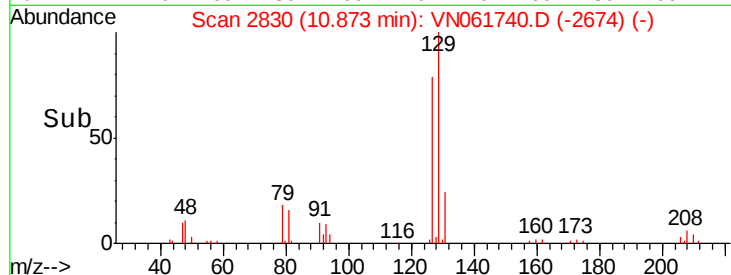
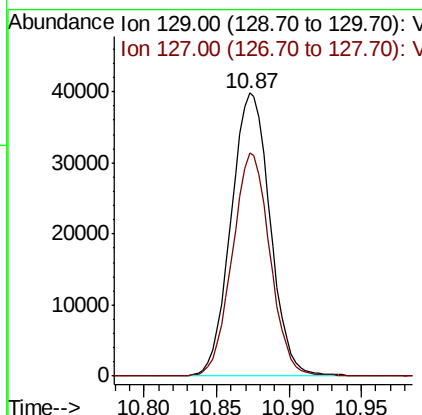
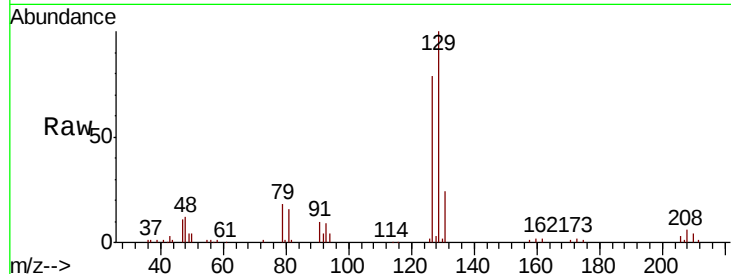




#53
 Dibromochloromethane
 Concen: 18.810 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

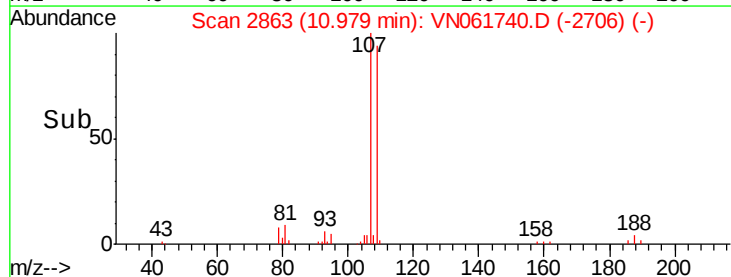
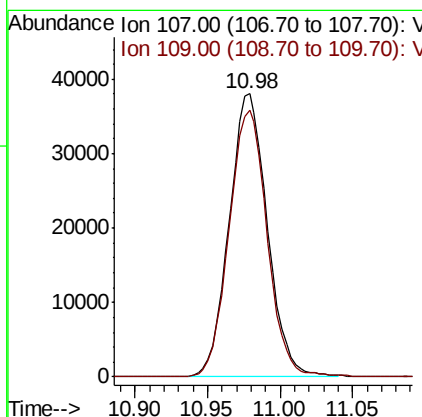
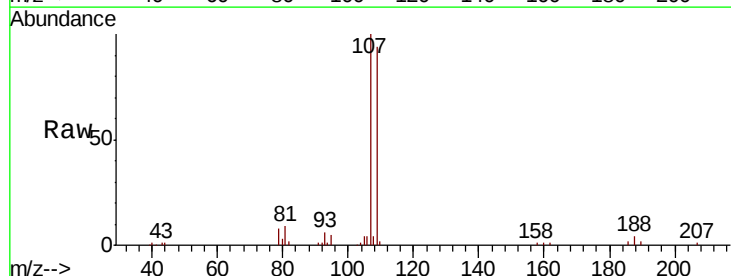
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

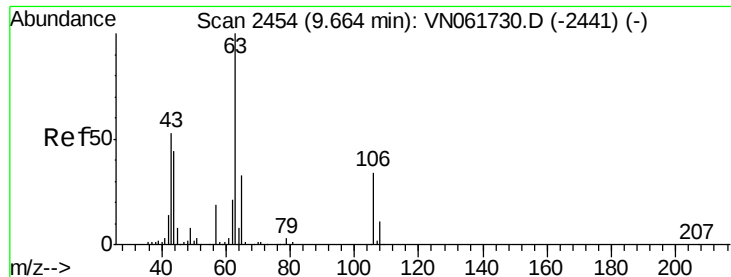
Tot Ion:129 Resp: 74561
 Ion Ratio Lower Upper
 129 100
 127 76.0 38.6 116.0



#54
 1,2-Dibromoethane
 Concen: 19.703 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Tgt Ion:107 Resp: 69439
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.6 114.8

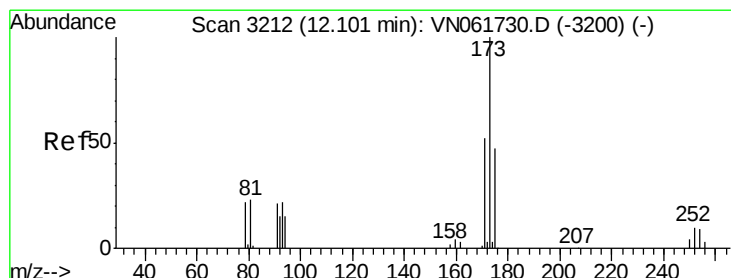
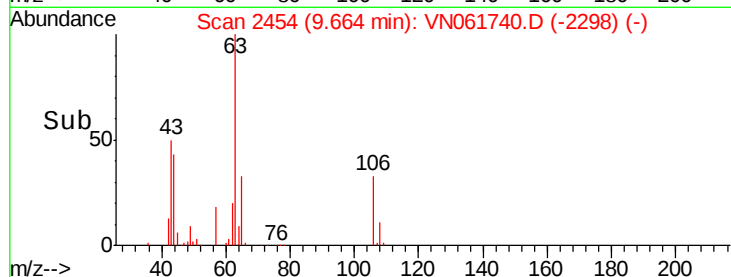
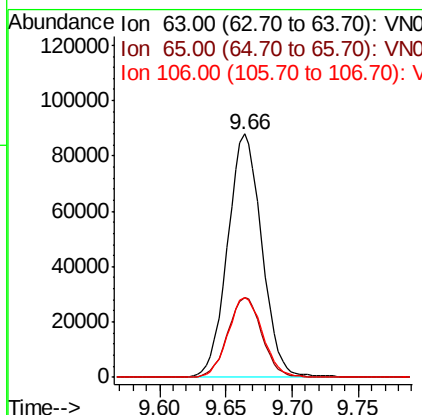
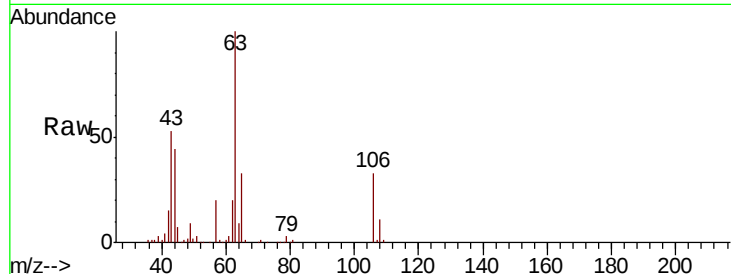




#55
 2-Chloroethyl vinyl ether
 Concen: 95.147 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

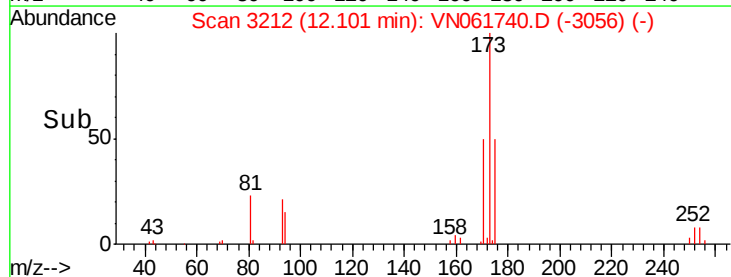
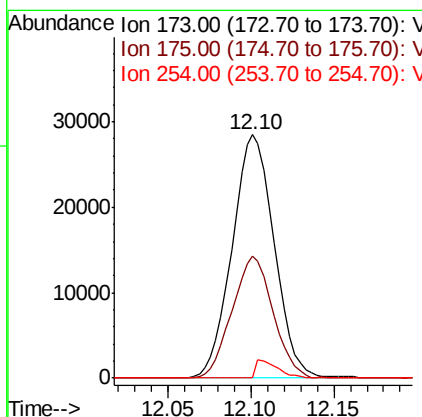
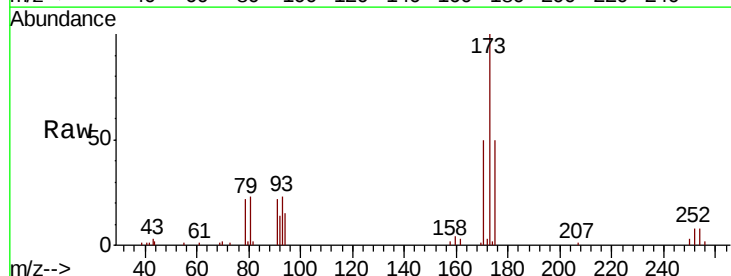
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

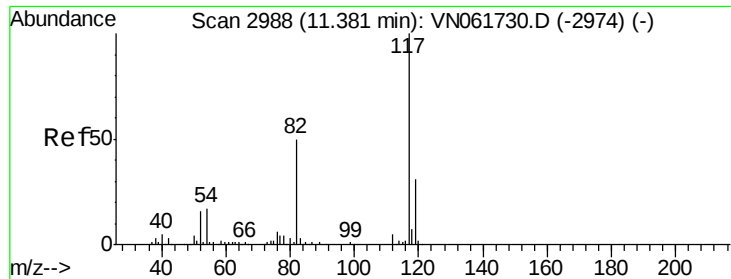
Tot Ion: 63 Resp: 158065
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.8 38.8
 106 33.2 26.5 39.7



#56
 Bromoform
 Concen: 18.171 ug/l
 RT: 12.10 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Tgt Ion: 173 Resp: 50294
 Ion Ratio Lower Upper
 173 100
 175 48.7 37.5 56.3
 254 3.9 6.9 10.3#

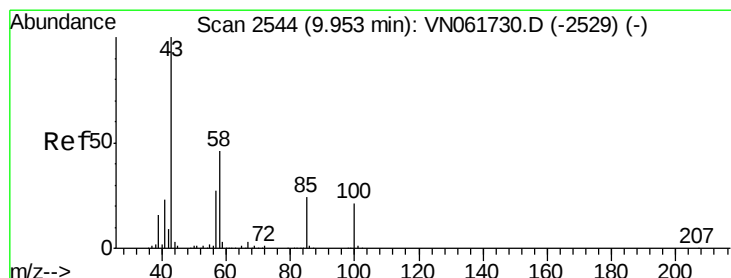
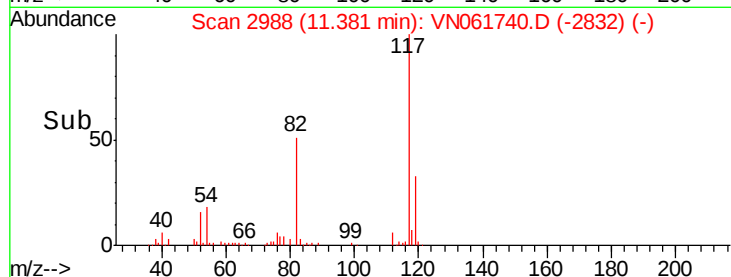
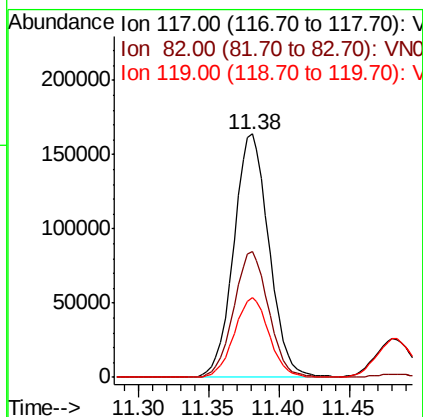
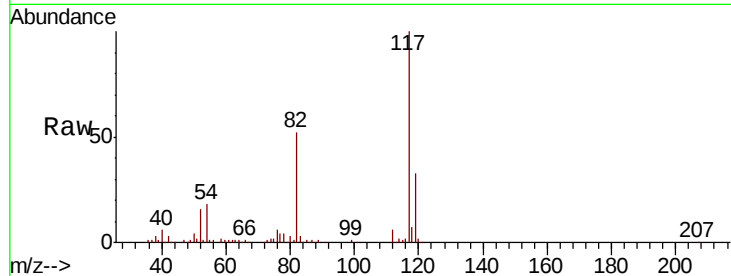




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

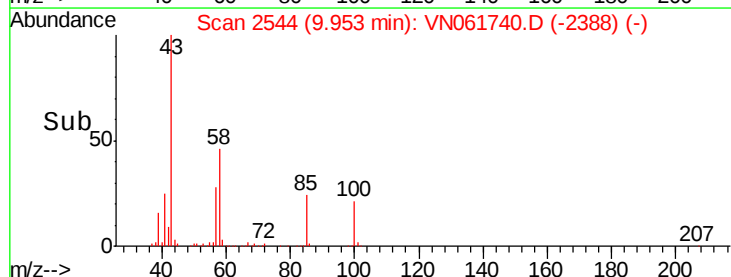
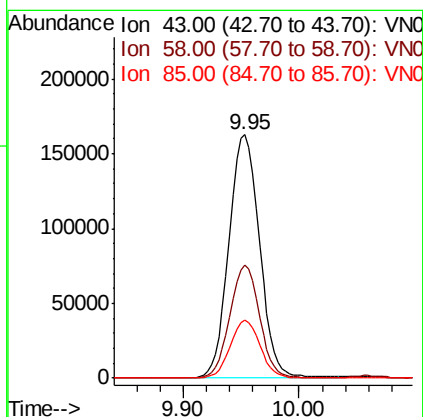
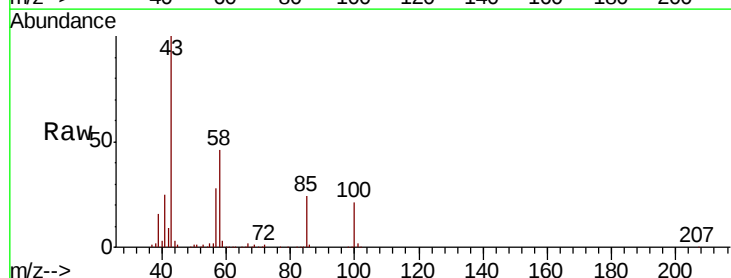
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

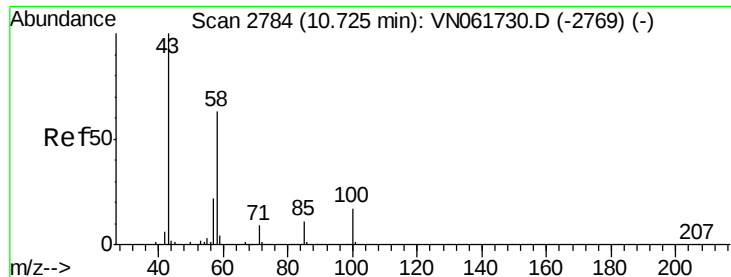
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	40.6	60.8
119	32.3	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 100.453 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	44.9	36.6	54.8
85	23.1	19.0	28.6

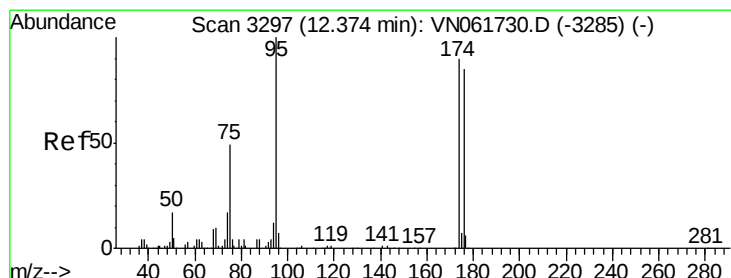
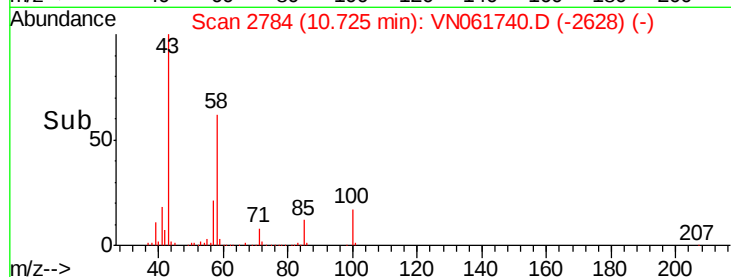
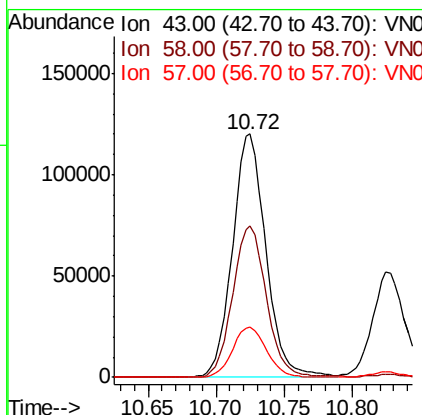
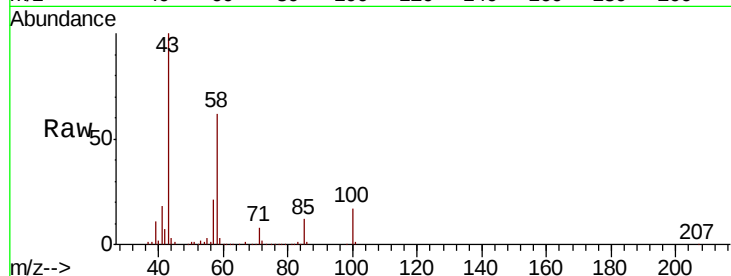




#59
2-Hexanone
Concen: 95.073 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

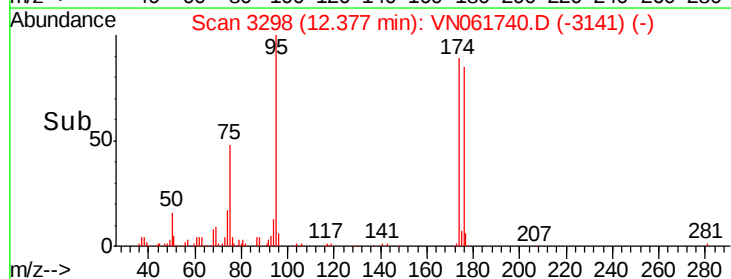
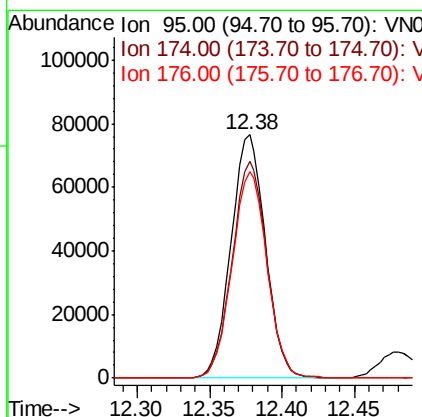
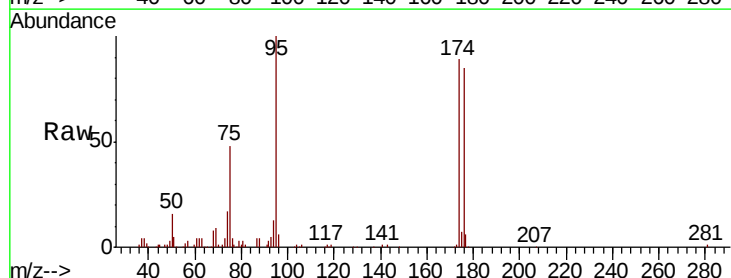
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

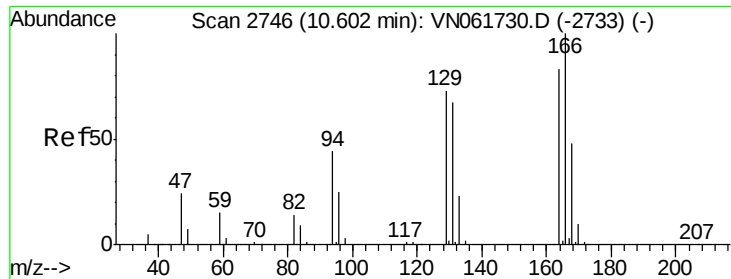
Tot Ion	43	Resp	204509
Ion Ratio	Lower	Upper	
43	100		
58	62.7	50.4	75.6
57	21.2	17.2	25.8



#60
4-Bromofluorobenzene
Concen: 29.796 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

Tgt Ion	95	Resp	125937
Ion Ratio	Lower	Upper	
95	100		
174	89.4	72.8	109.2
176	86.5	69.2	103.8

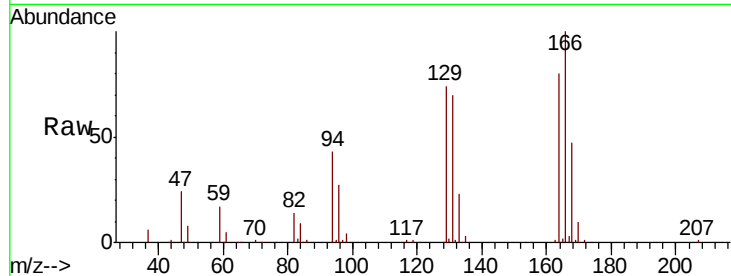




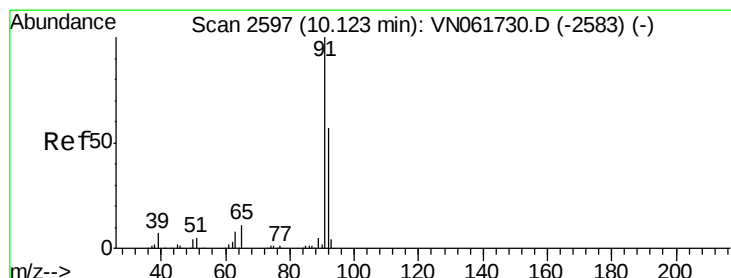
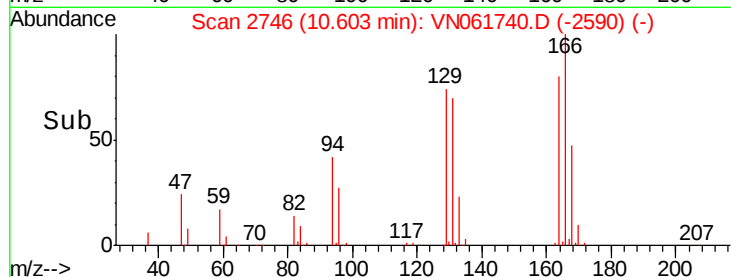
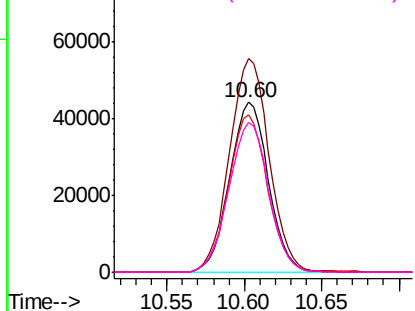
#61
Tetrachloroethene
Concen: 17.672 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:164 Resp: 77403
Ion Ratio Lower Upper
164 100
166 125.5 96.6 144.8
129 92.0 70.1 105.1
131 88.3 64.6 96.8

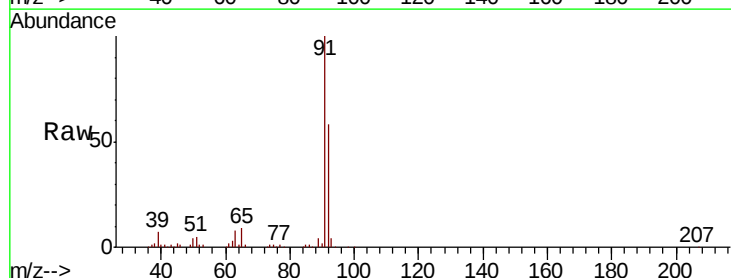


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

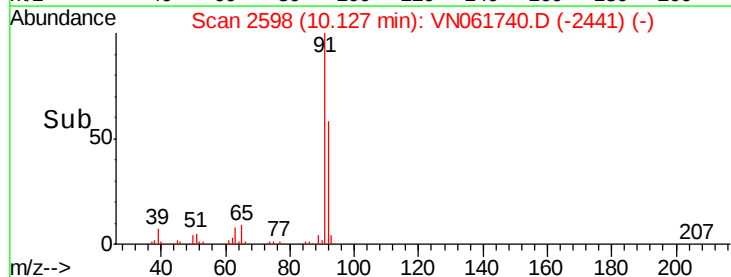
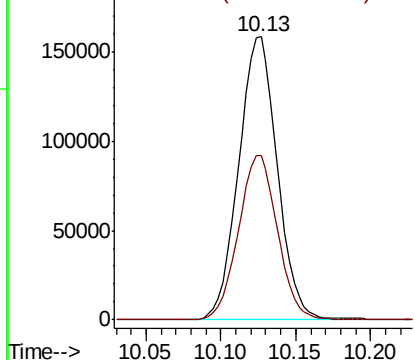


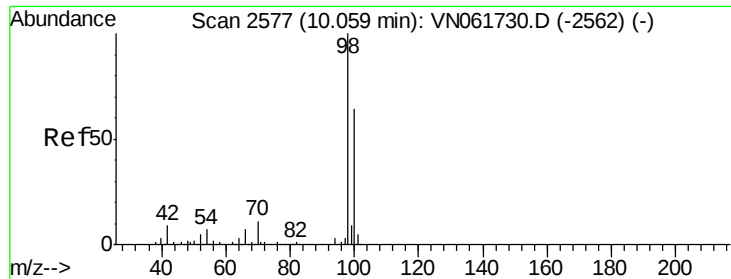
#62
Toluene
Concen: 19.774 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

Tgt Ion: 91 Resp: 284753
Ion Ratio Lower Upper
91 100
92 58.6 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.224 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

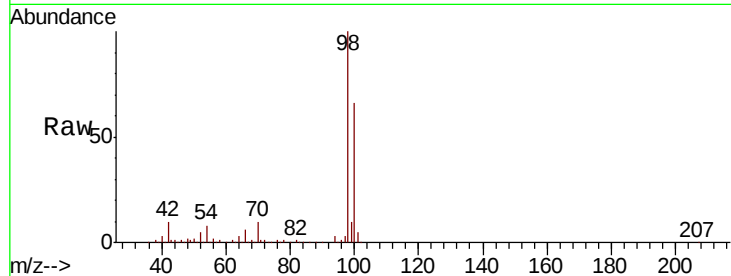
VSTDCCC020EC

Tot Ion: 98 Resp: 368233

Ion Ratio Lower Upper

98 100

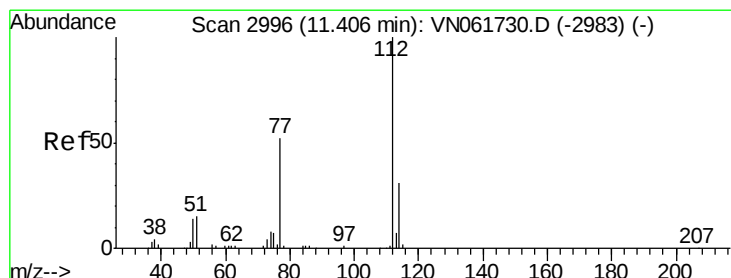
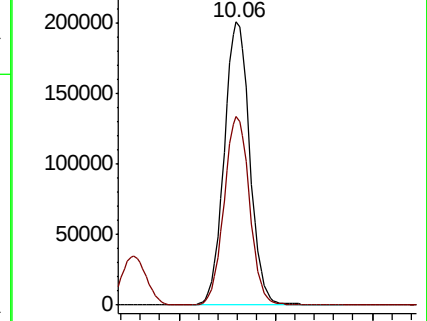
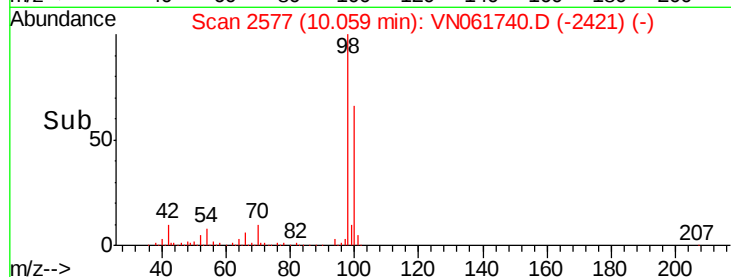
100 65.9 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN061730.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN061740.D (-2421) (-)

10.06



#64

Chlorobenzene

Concen: 19.601 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061740.D

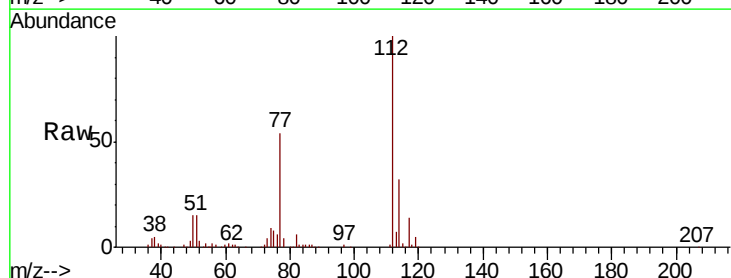
Acq: 10 Jun 2020 16:28

Tgt Ion: 112 Resp: 181632

Ion Ratio Lower Upper

112 100

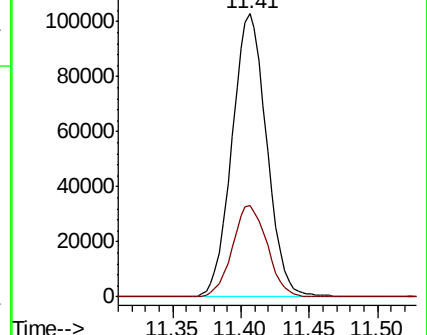
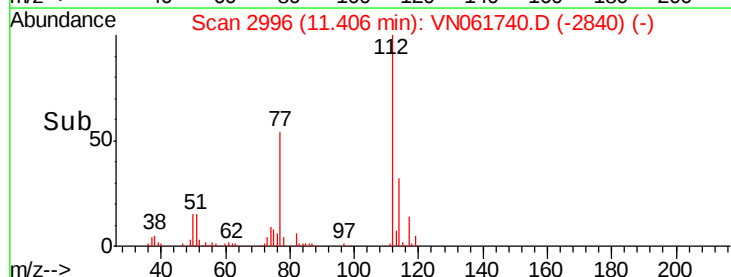
114 32.1 24.9 37.3

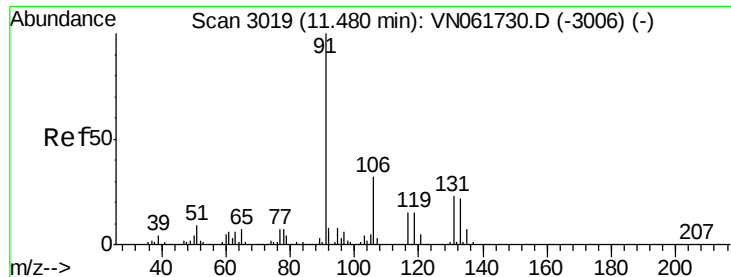


Abundance Ion 112.00 (111.70 to 112.70): VN061730.D (-2983) (-)

Ion 114.00 (113.70 to 114.70): VN061740.D (-2840) (-)

11.41





#65

1,1,1,2-Tetrachloroethane

Concen: 19.237 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

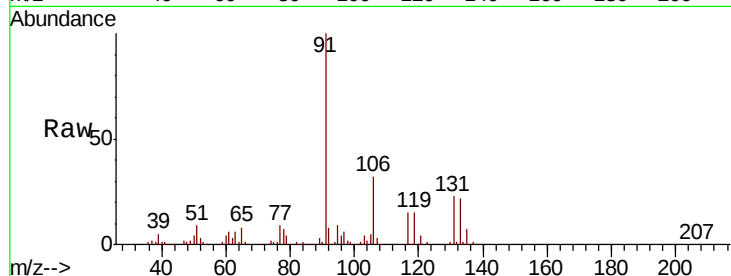
Tot Ion:131 Resp: 67949

Ion Ratio Lower Upper

131 100

133 97.6 0.0 189.4

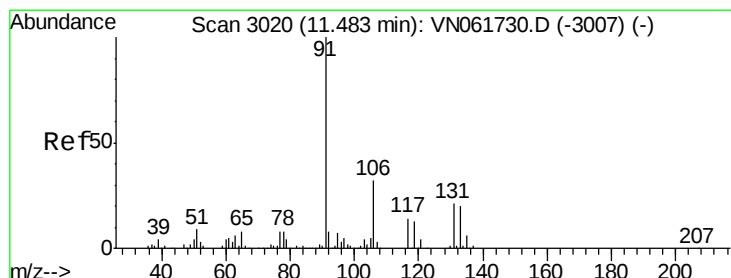
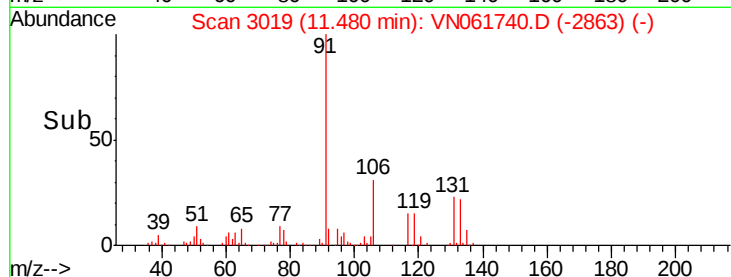
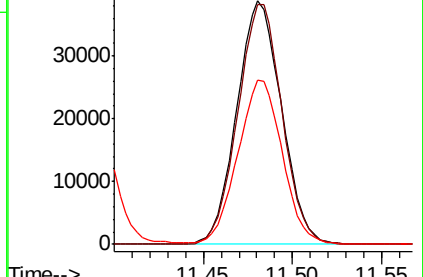
119 67.1 0.0 130.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.326 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061740.D

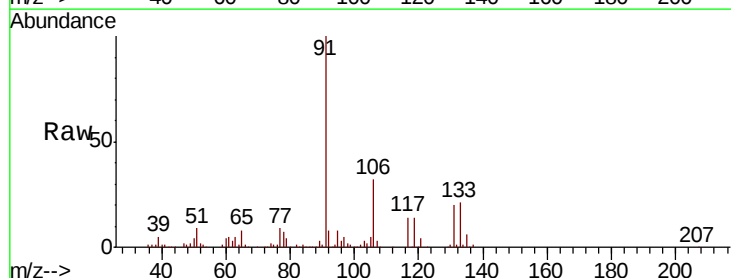
Acq: 10 Jun 2020 16:28

Tgt Ion: 91 Resp: 304664

Ion Ratio Lower Upper

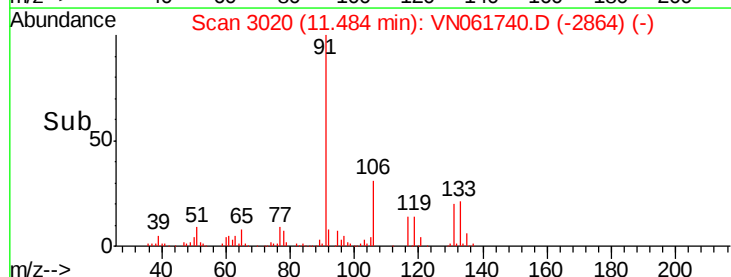
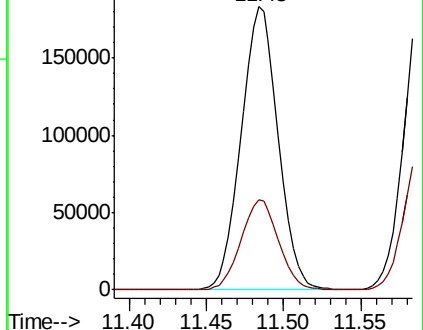
91 100

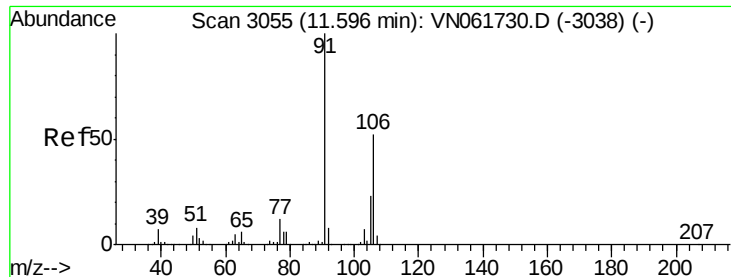
106 32.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 38.109 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

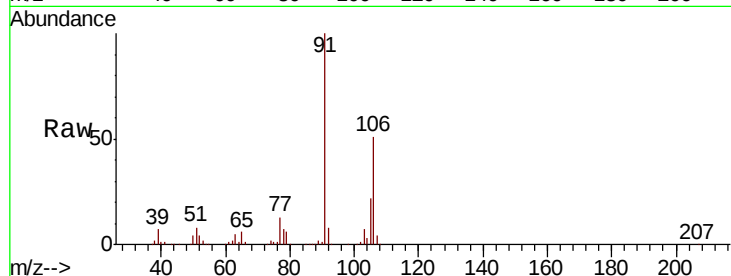
VSTDCCC020EC

Tot Ion:106 Resp: 238972

Ion Ratio Lower Upper

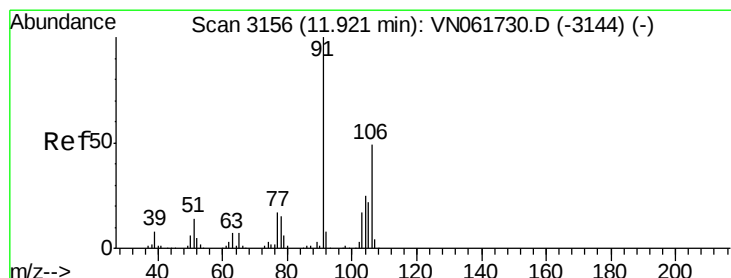
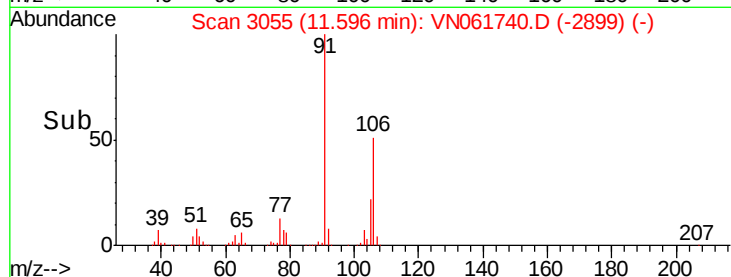
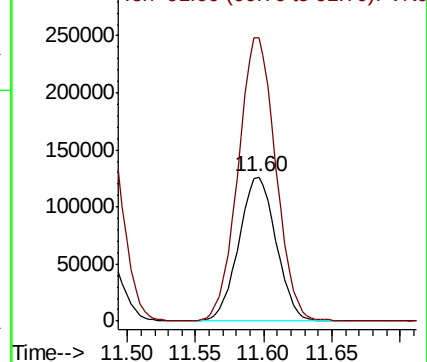
106 100

91 198.8 156.2 234.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.391 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN061740.D

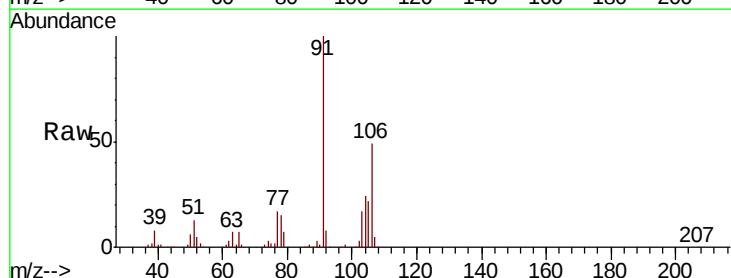
Acq: 10 Jun 2020 16:28

Tgt Ion:106 Resp: 114848

Ion Ratio Lower Upper

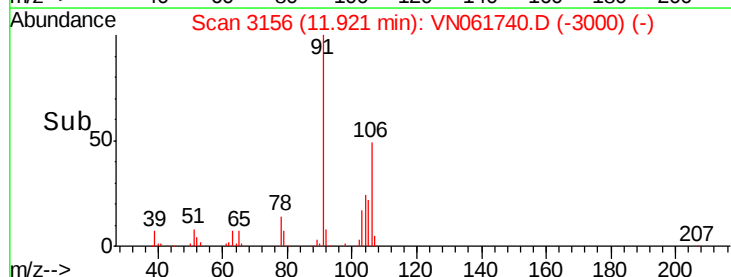
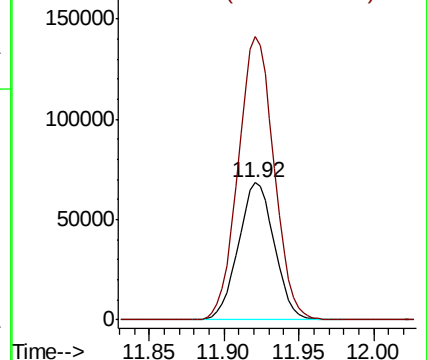
106 100

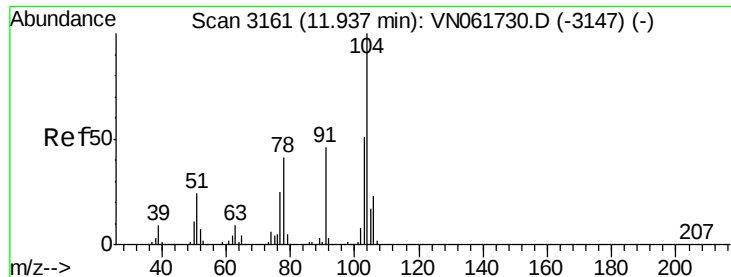
91 204.8 101.9 305.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

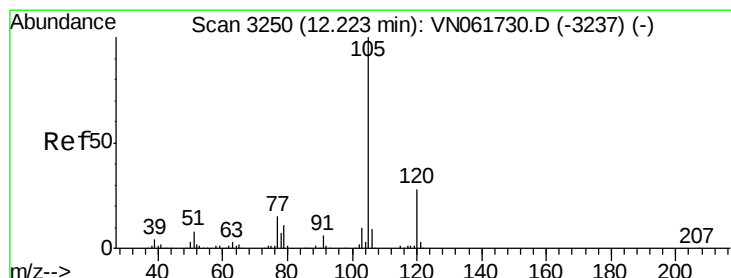
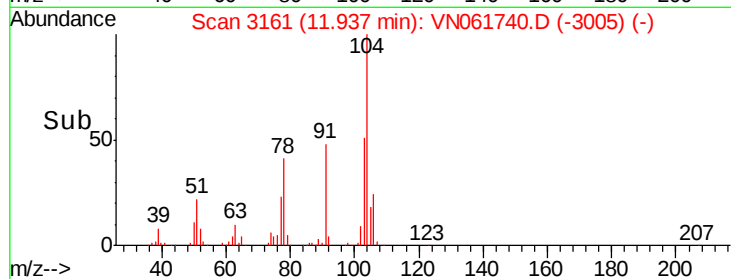
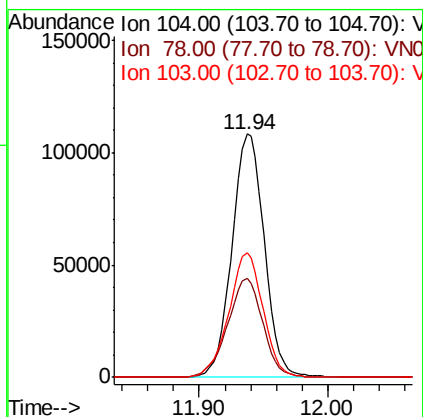
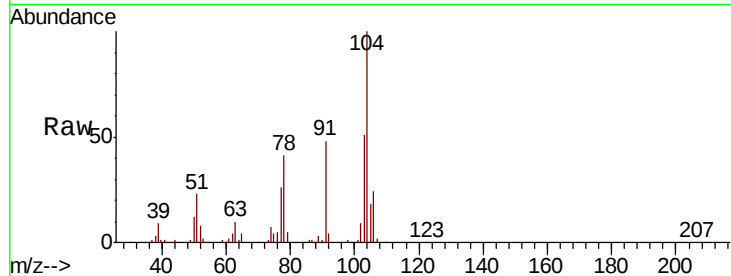




#69
Stvrene
Concen: 18.786 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

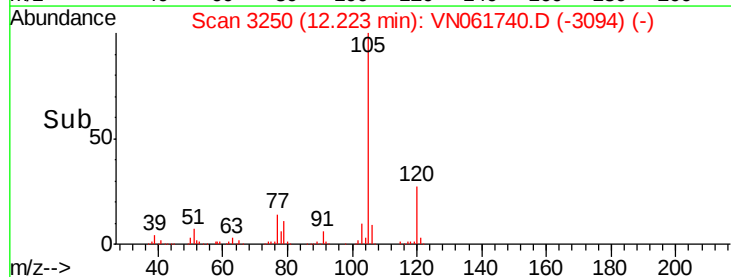
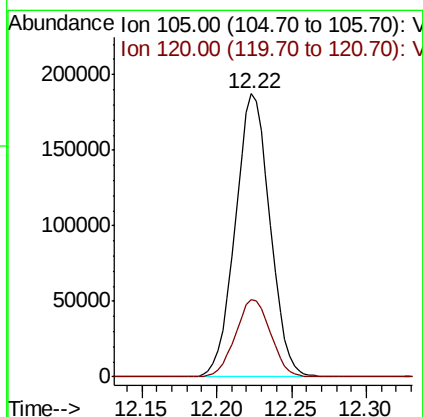
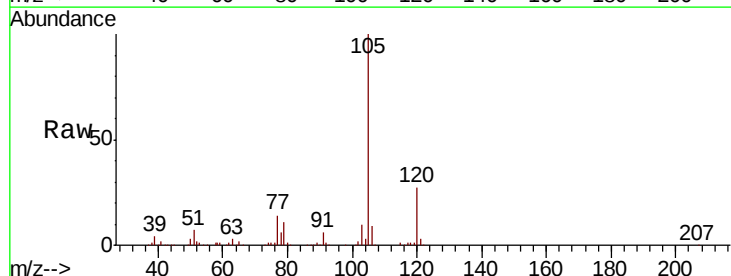
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

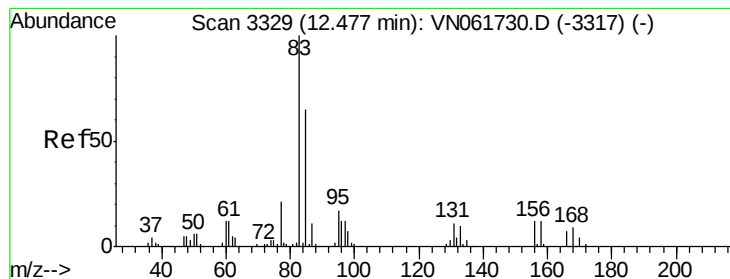
Tot Ion:104 Resp: 188482
Ion Ratio Lower Upper
104 100
78 44.7 36.5 54.7
103 54.1 43.4 65.2



#70
Isopropylbenzene
Concen: 19.313 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

Tgt Ion:105 Resp: 302124
Ion Ratio Lower Upper
105 100
120 27.7 19.3 35.8





#71

1,1,2,2-Tetrachloroethane

Concen: 20.019 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

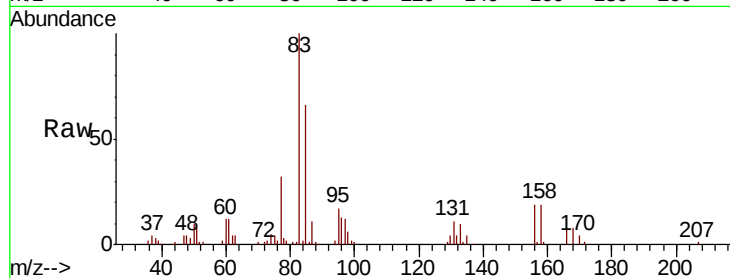
Tot Ion: 83 Resp: 83189

Ion Ratio Lower Upper

83 100

131 11.7 5.7 17.0

85 65.3 33.0 98.9



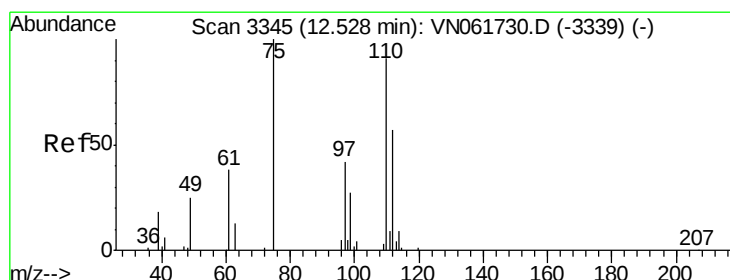
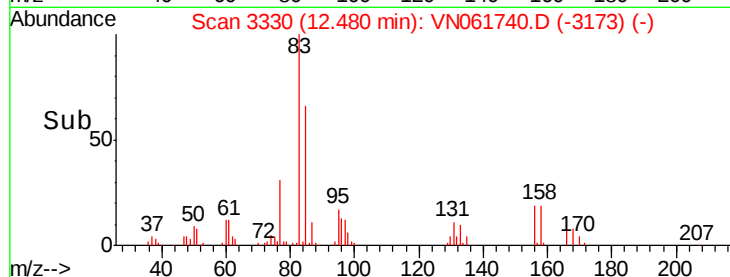
Abundance Ion 83.00 (82.70 to 83.70): VN061730.D (-3317) (-)

Ion 131.00 (130.70 to 131.70): VN061730.D (-3317) (-)

Ion 85.00 (84.70 to 85.70): VN061730.D (-3317) (-)

12.48

Time--> 12.40 12.45 12.50



#72

1,2,3-Trichloropropane

Concen: 26.213 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061740.D

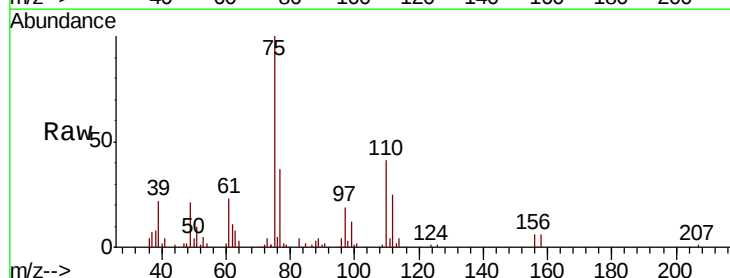
Acq: 10 Jun 2020 16:28

Tgt Ion: 75 Resp: 102688

Ion Ratio Lower Upper

75 100

77 135.2 0.0 371.8

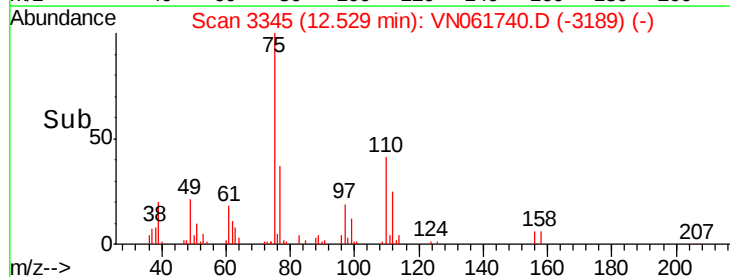


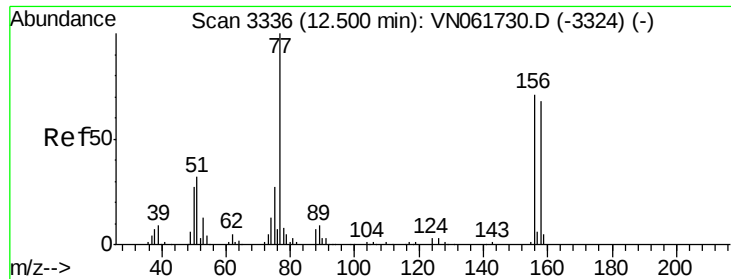
Abundance Ion 75.00 (74.70 to 75.70): VN061730.D (-3339) (-)

Ion 77.00 (76.70 to 77.70): VN061730.D (-3339) (-)

12.53

Time--> 12.40 12.50 12.60





#73

Bromobenzene

Concen: 18.702 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

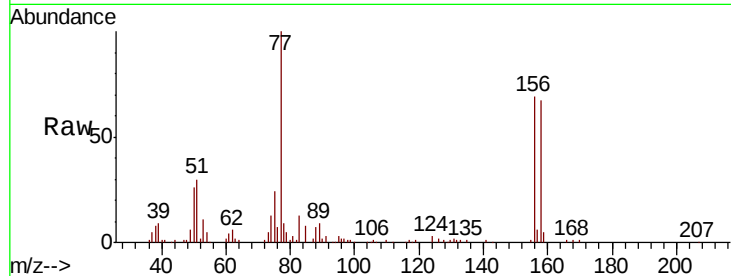
Tot Ion:156 Resp: 79040

Ion Ratio Lower Upper

156 100

77 175.7 0.0 350.0

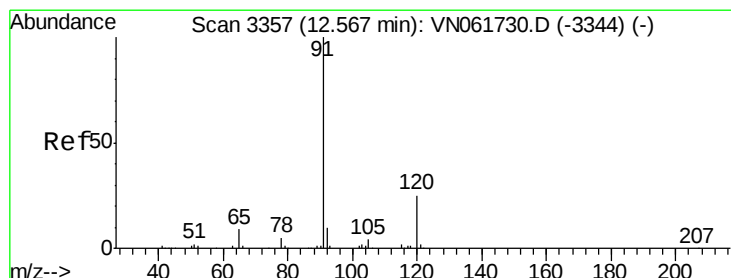
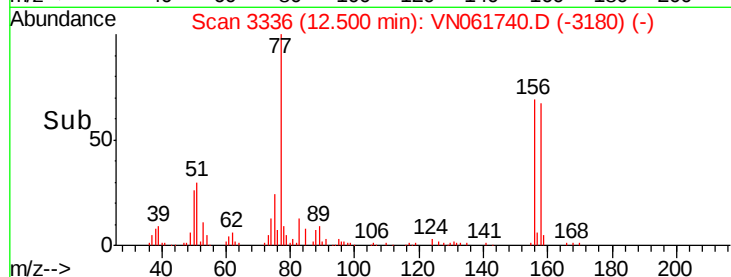
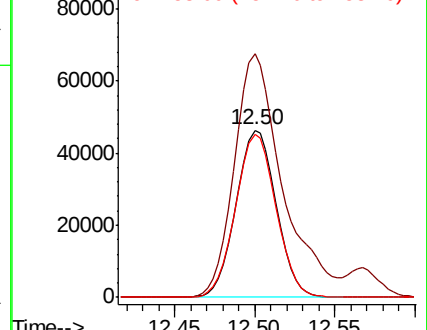
158 98.4 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.193 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061740.D

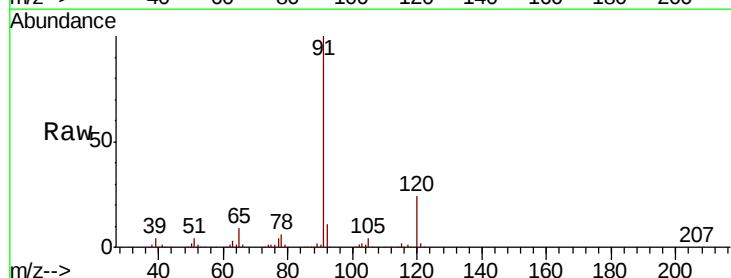
Acq: 10 Jun 2020 16:28

Tgt Ion: 91 Resp: 339390

Ion Ratio Lower Upper

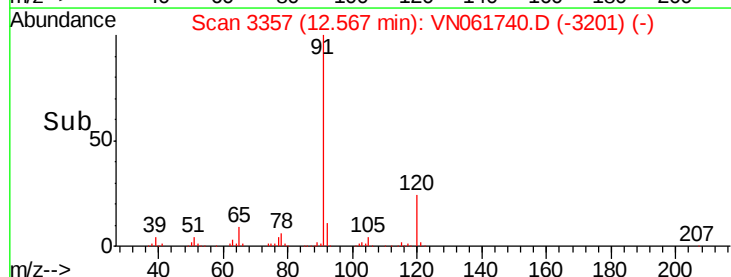
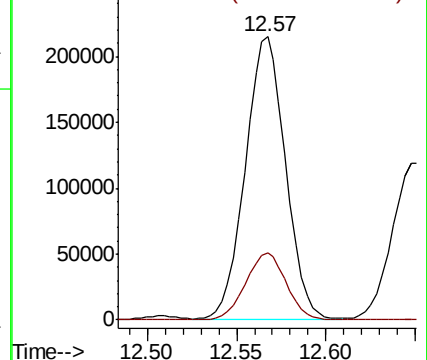
91 100

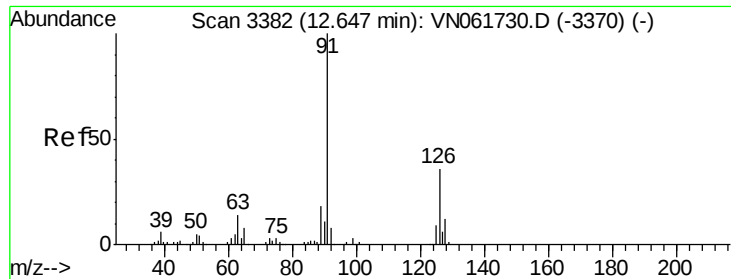
120 23.8 0.0 48.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.213 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

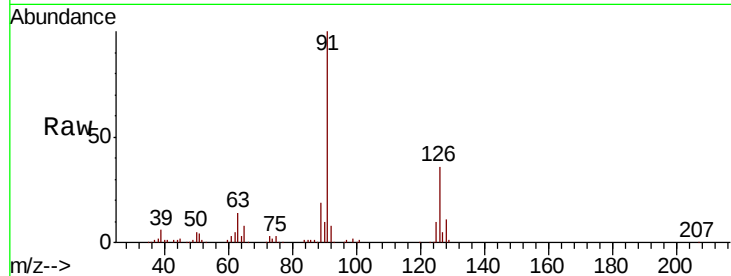
VSTDCCC020EC

Tot Ion: 91 Resp: 200237

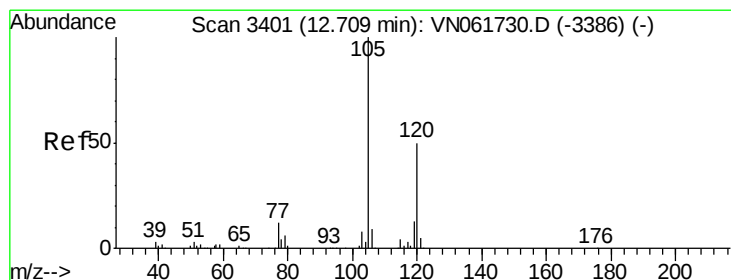
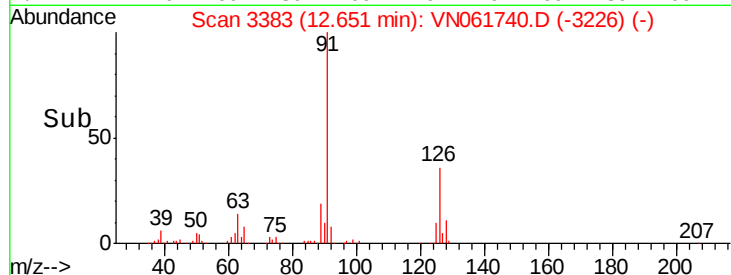
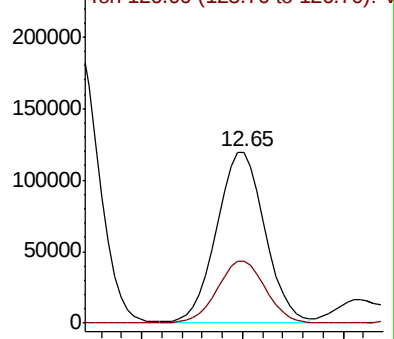
Ion Ratio Lower Upper

91 100

126 36.4 0.0 72.0



Abundance Ion 91.00 (90.70 to 91.70): VN061730.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.033 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061740.D

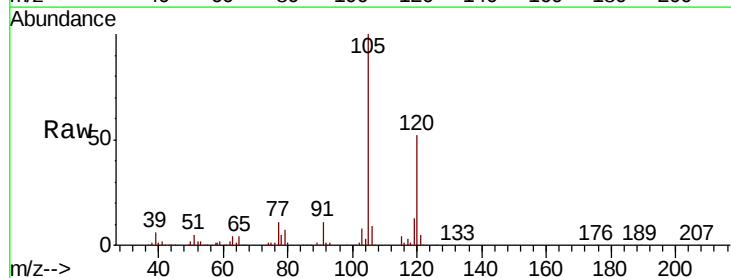
Acq: 10 Jun 2020 16:28

Tgt Ion: 105 Resp: 248219

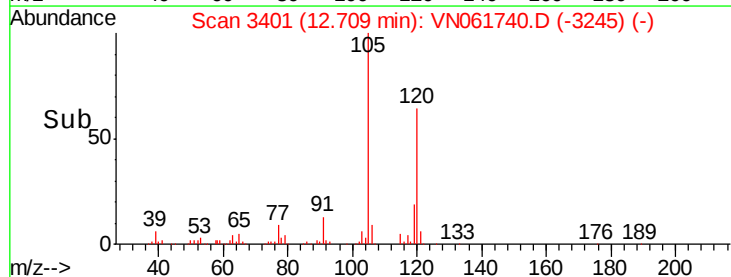
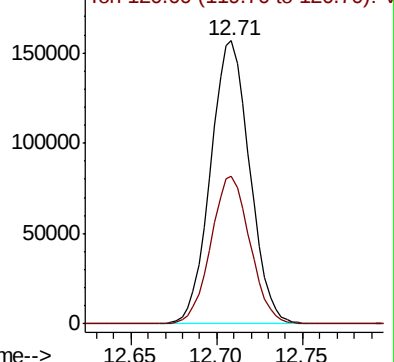
Ion Ratio Lower Upper

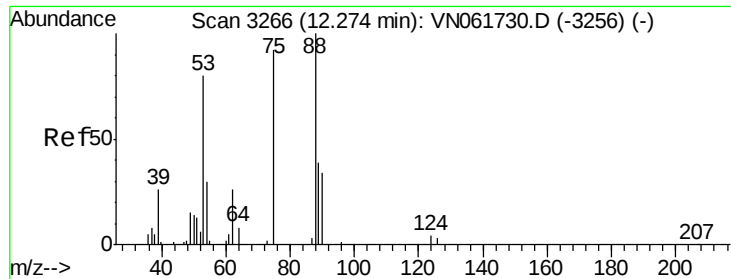
105 100

120 52.2 0.0 101.6



Abundance Ion 105.00 (104.70 to 105.70): VN061730.D (-3386) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 16.603 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

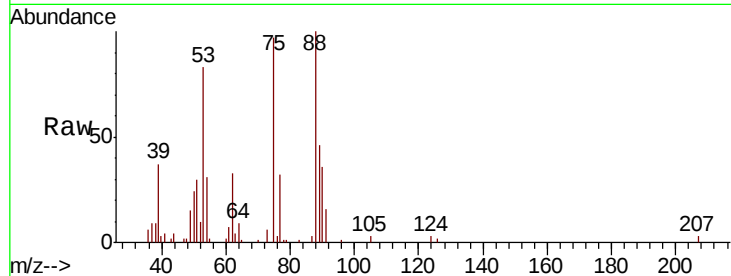
Tot Ion: 75 Resp: 23463

Ion Ratio Lower Upper

75 100

53 84.4 43.8 131.4

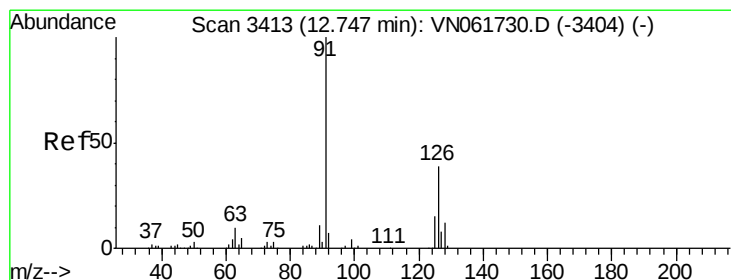
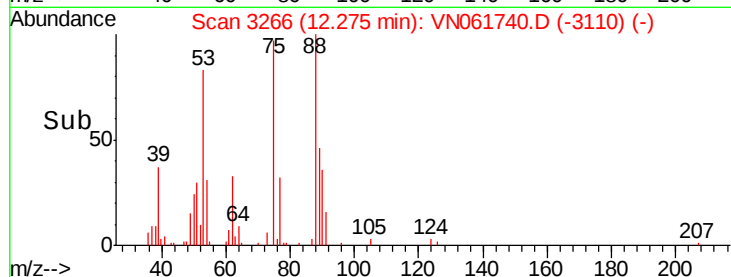
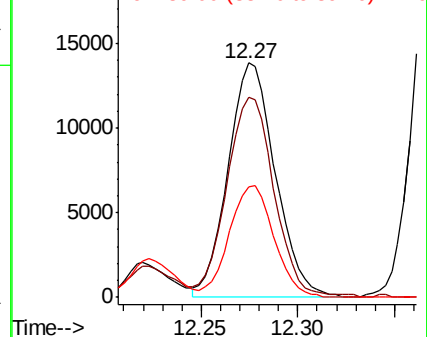
89 47.1 23.1 69.2



Abundance Ion 75.00 (74.70 to 75.70): VN061730.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061730.D (-3256) (-)

Ion 89.00 (88.70 to 89.70): VN061730.D (-3256) (-)



#78

4-Chlorotoluene

Concen: 19.039 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061740.D

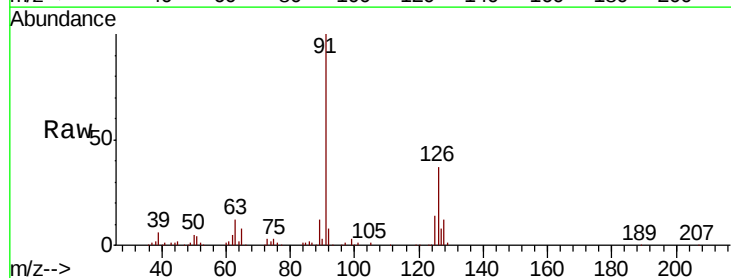
Acq: 10 Jun 2020 16:28

Tgt Ion: 91 Resp: 206752

Ion Ratio Lower Upper

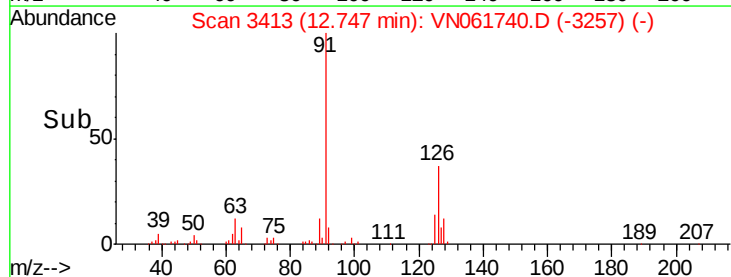
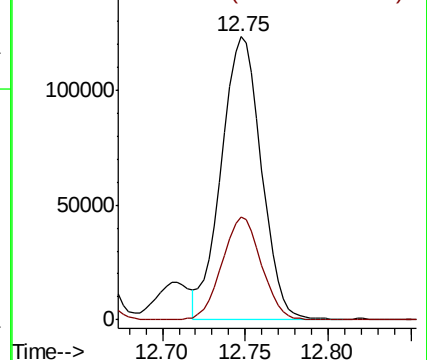
91 100

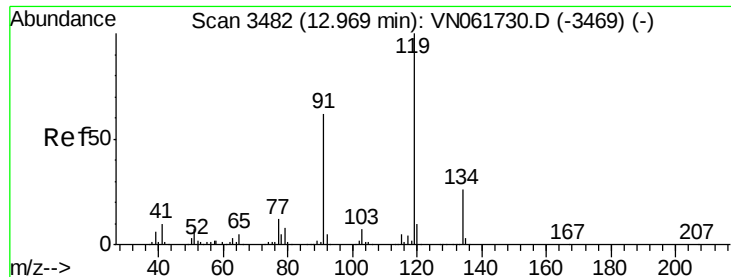
126 35.8 0.0 70.4



Abundance Ion 91.00 (90.70 to 91.70): VN061730.D (-3404) (-)

Ion 126.00 (125.70 to 126.70): VN061730.D (-3404) (-)

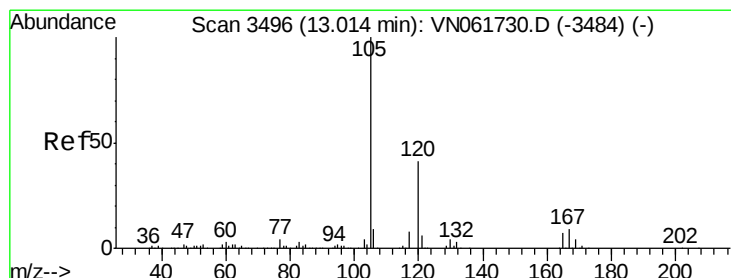
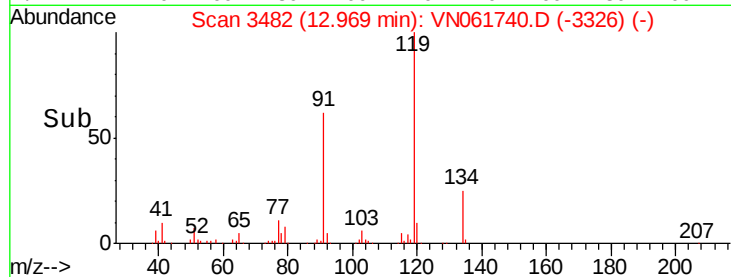
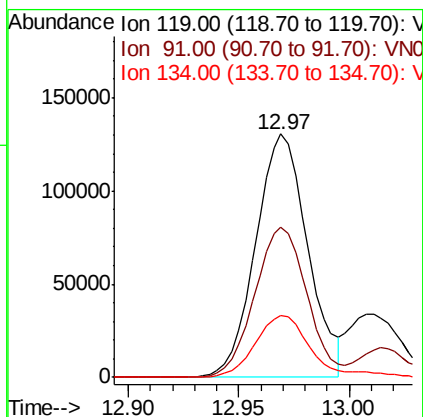
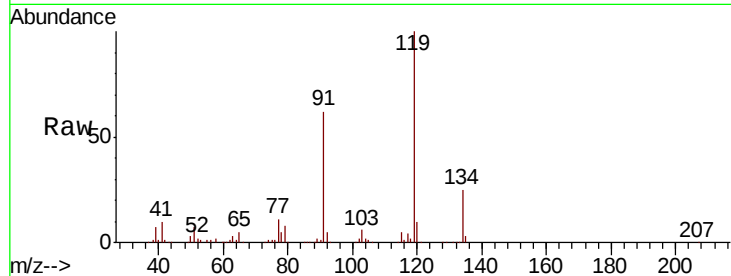




#79
tert-butylbenzene
Concen: 18.934 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

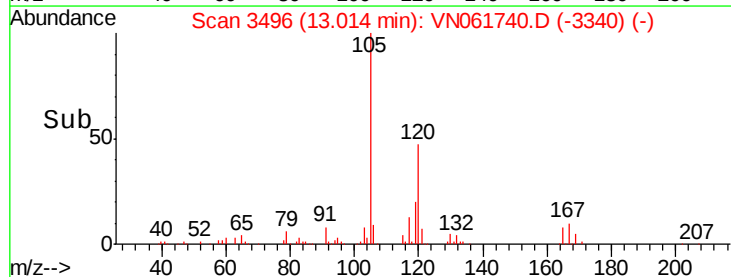
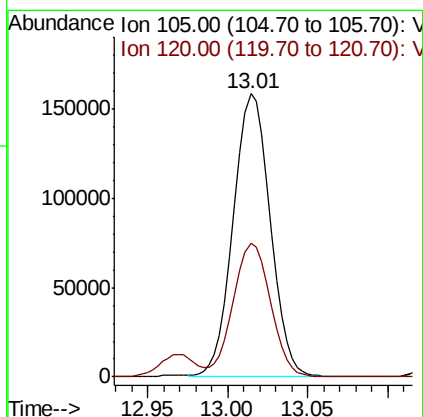
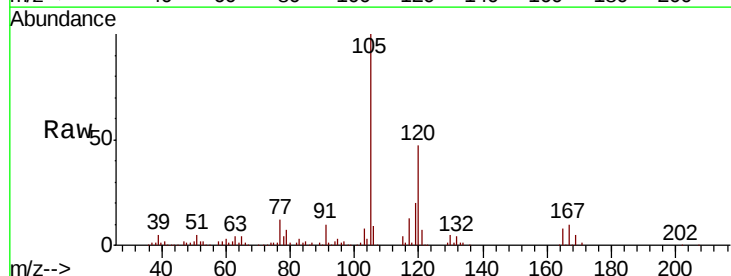
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

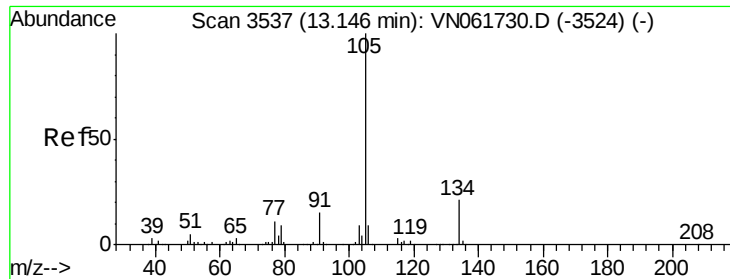
Tot Ion:119 Resp: 213537
Ion Ratio Lower Upper
119 100
91 62.0 0.0 124.6
134 26.0 0.0 51.4



#80
1,2,4-Trimethylbenzene
Concen: 19.009 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061740.D
Acq: 10 Jun 2020 16:28

Tgt Ion:105 Resp: 249373
Ion Ratio Lower Upper
105 100
120 48.0 0.0 95.4

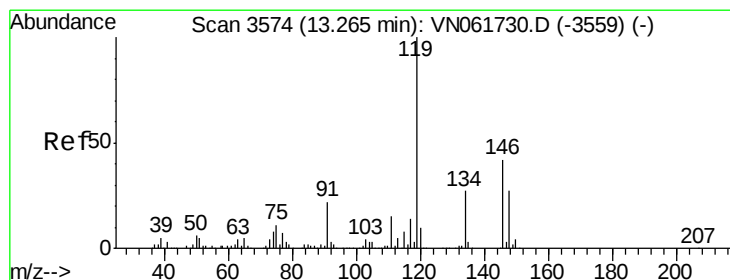
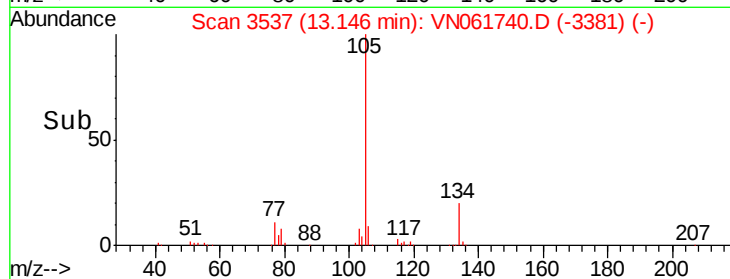
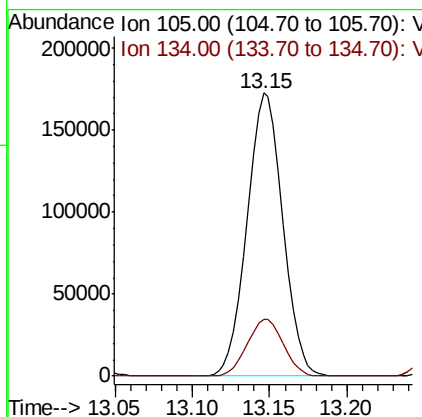
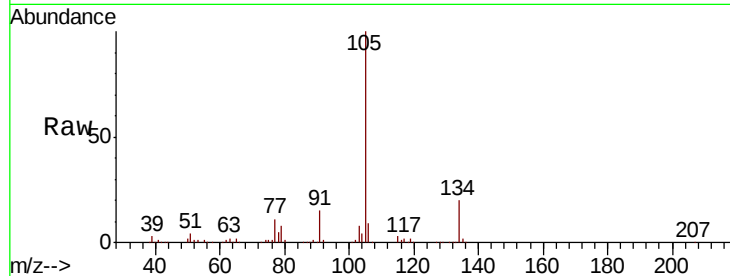




#81
 sec-Butylbenzene
 Concen: 18.979 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

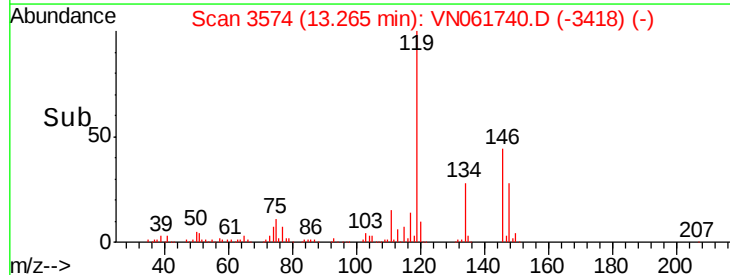
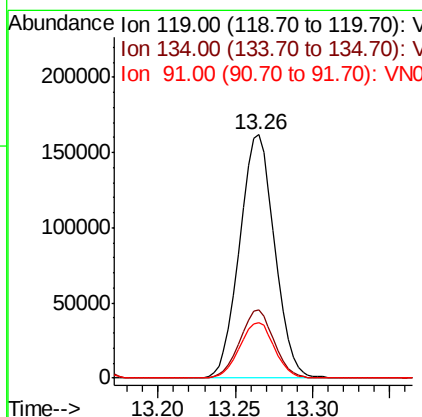
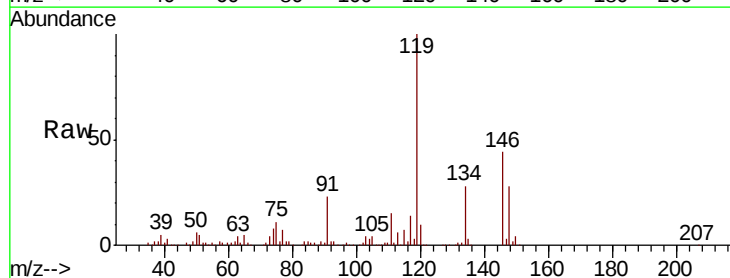
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

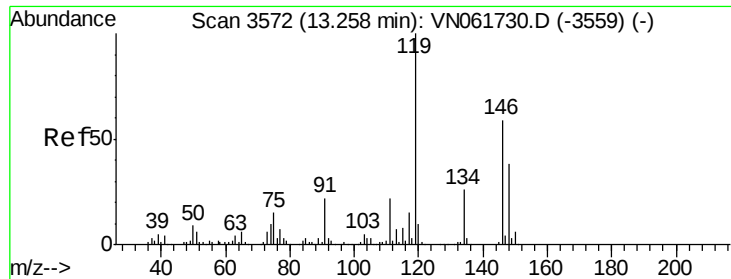
Tot Ion:105 Resp: 276595
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 18.785 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Tgt Ion:119 Resp: 254157
 Ion Ratio Lower Upper
 119 100
 134 27.4 0.0 53.4
 91 22.8 0.0 45.2

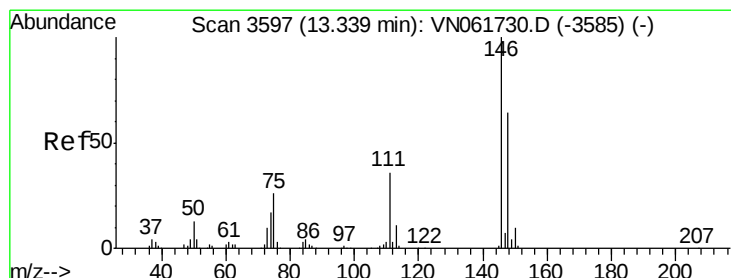
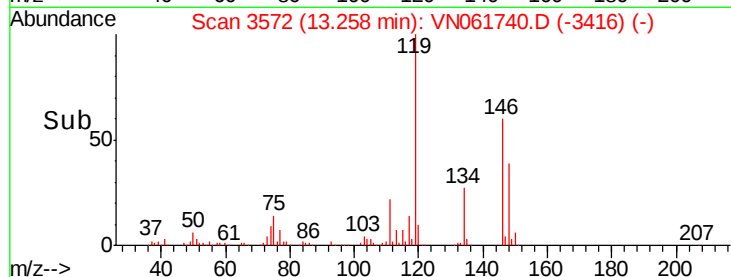
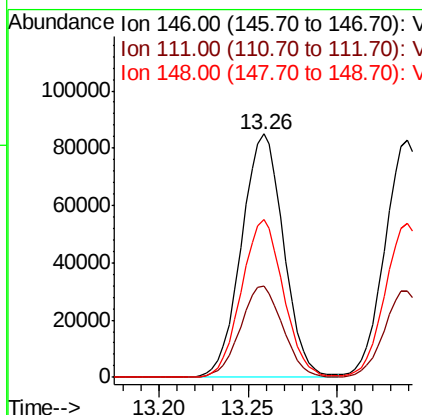
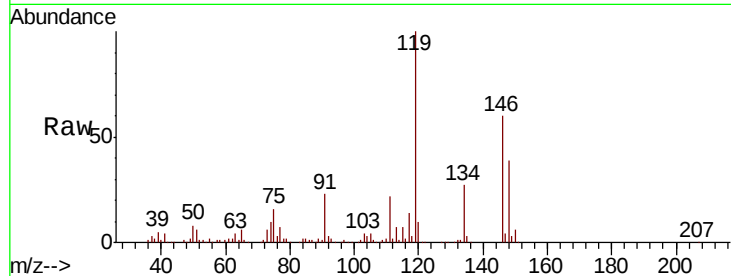




#83
 1,3-Dichlorobenzene
 Concen: 18.577 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

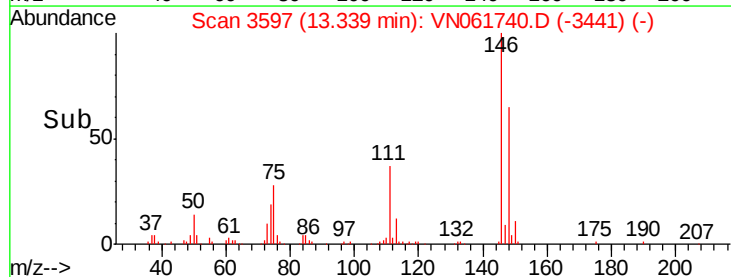
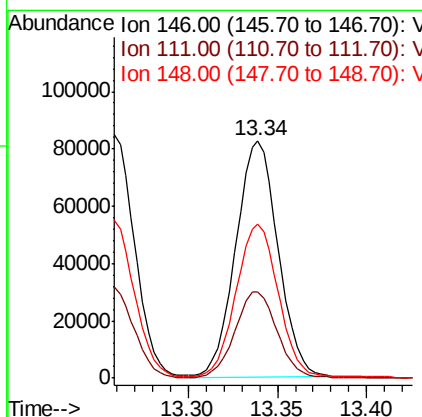
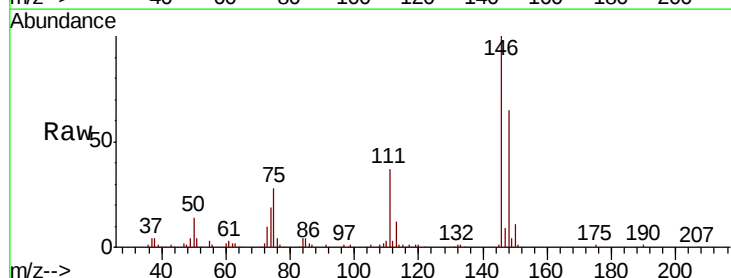
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

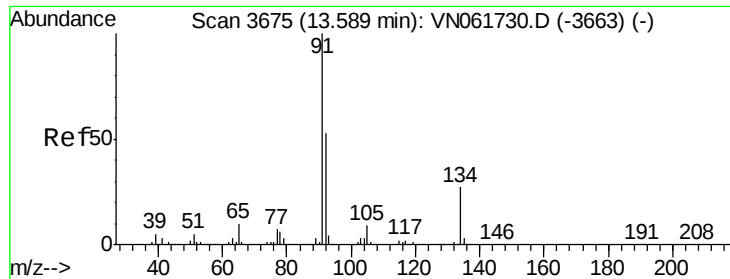
Tot Ion:146 Resp: 140124
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.7 56.1
 148 64.6 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 18.408 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Tgt Ion:146 Resp: 136426
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.6 55.8
 148 65.7 32.2 96.6





#85

n-Butylbenzene

Concen: 18.297 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

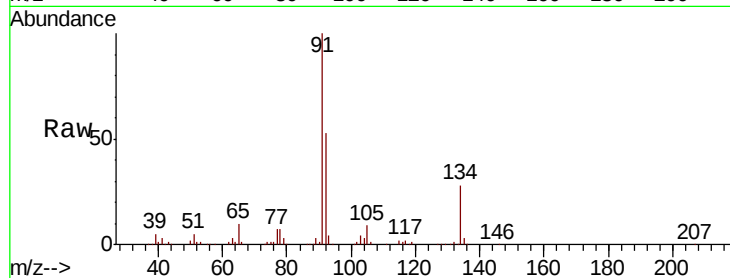
Tot Ion: 91 Resp: 204470

Ion Ratio Lower Upper

91 100

92 53.3 0.0 107.2

134 27.5 0.0 55.8



Abundance Ion 91.00 (90.70 to 91.70): VN061730.D (-3663) (-)

Ion 92.00 (91.70 to 92.70): VN061730.D (-3663) (-)

Ion 134.00 (133.70 to 134.70): VN061730.D (-3663) (-)

13.59

150000

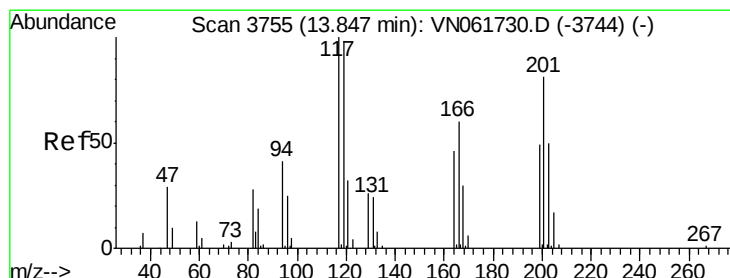
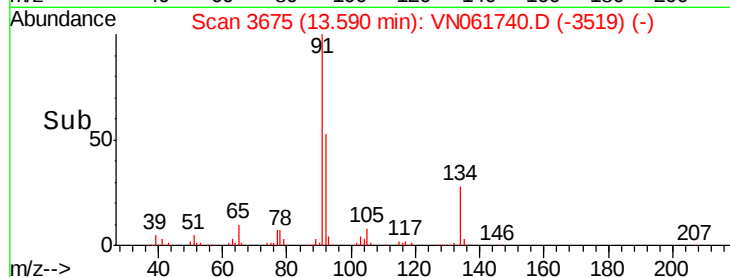
100000

50000

0

Time-->

13.50 13.60 13.70



#86

Hexachloroethane

Concen: 20.806 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. 0.00 min

Lab File: VN061740.D

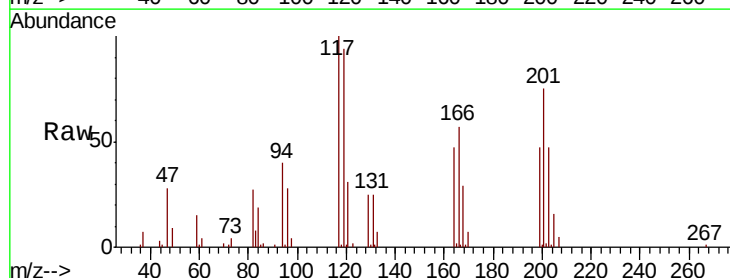
Acq: 10 Jun 2020 16:28

Tgt Ion: 117 Resp: 38325

Ion Ratio Lower Upper

117 100

201 78.7 39.1 117.5



Abundance Ion 117.00 (116.70 to 117.70): VN061730.D (-3744) (-)

Ion 201.00 (200.70 to 201.70): VN061730.D (-3744) (-)

13.85

25000

20000

15000

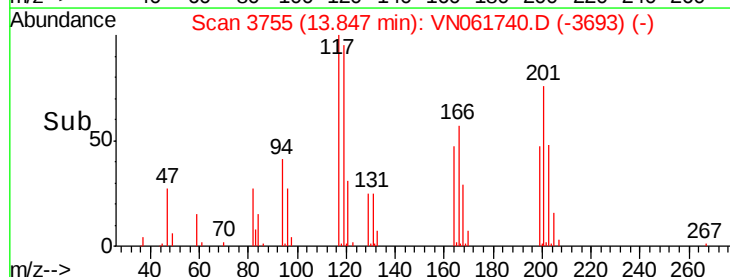
10000

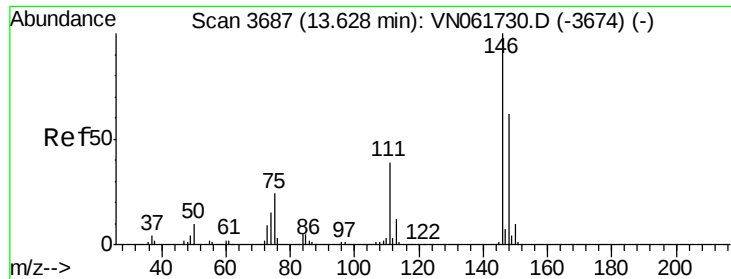
5000

0

Time-->

13.80 13.85 13.90





#87

1,2-Dichlorobenzene

Concen: 19.053 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

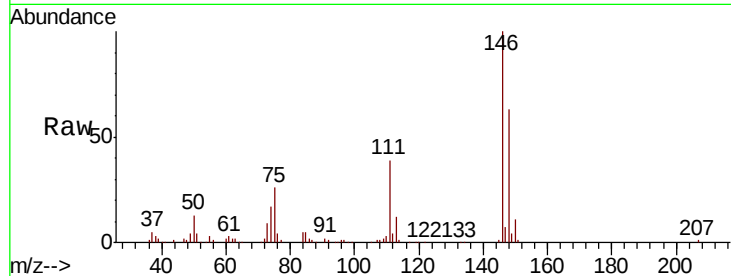
Tot Ion:146 Resp: 136526

Ion Ratio Lower Upper

146 100

111 38.8 19.3 57.9

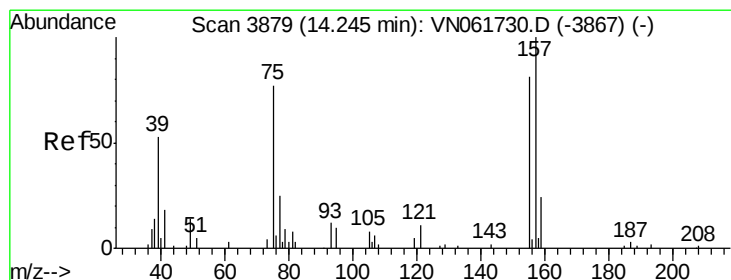
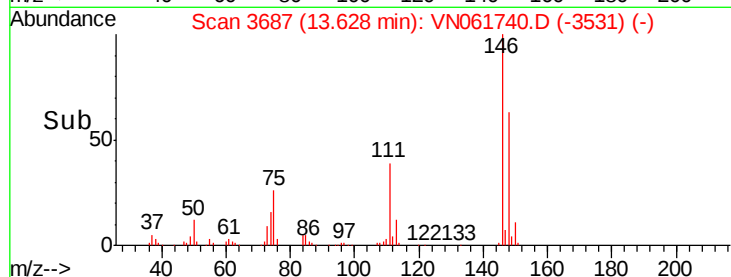
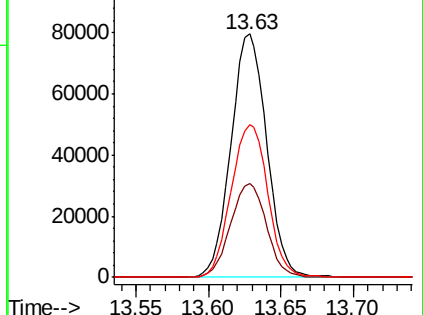
148 64.2 31.4 94.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.713 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

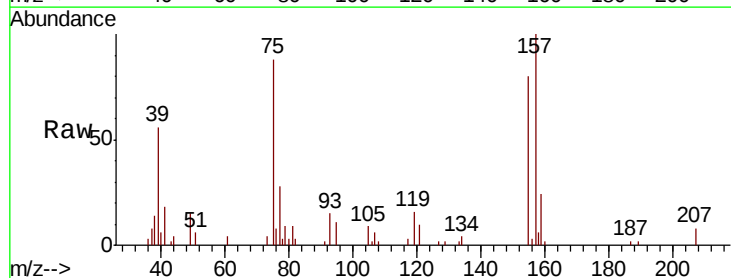
Tgt Ion: 75 Resp: 15217

Ion Ratio Lower Upper

75 100

155 94.1 79.6 119.4

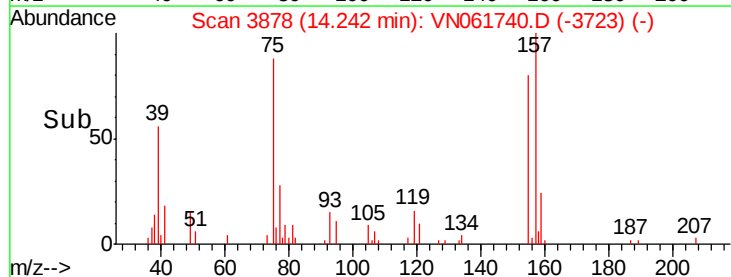
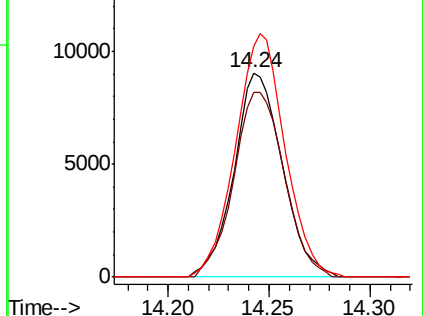
157 121.3 100.8 151.2

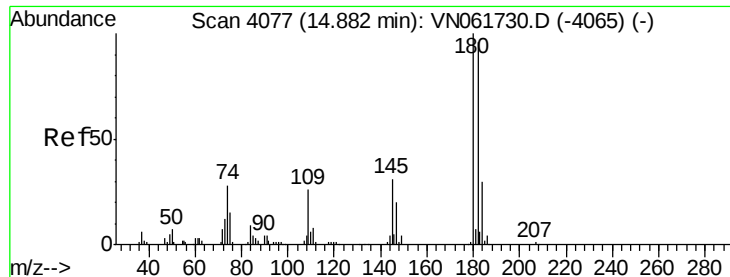


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

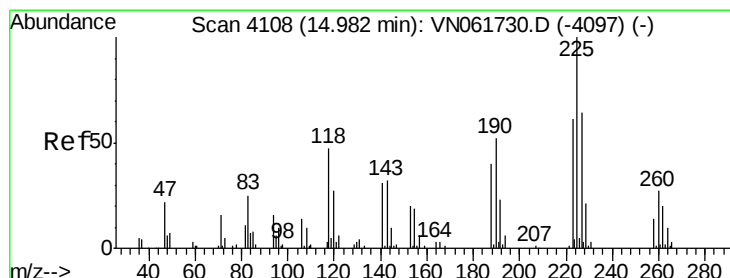
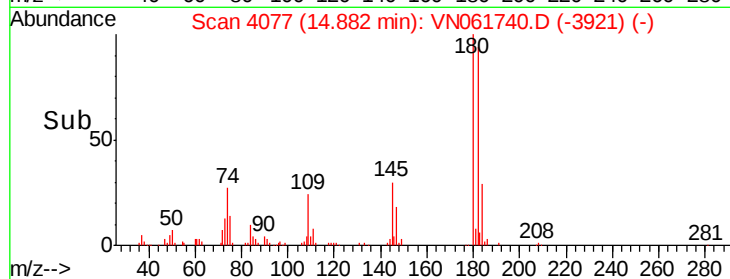
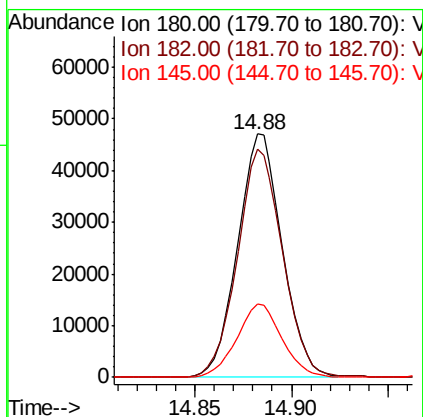
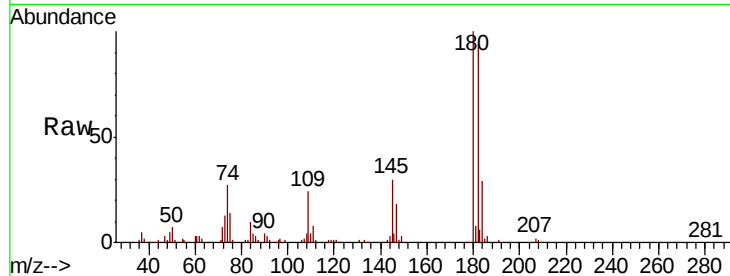




#89
 1,2,4-Trichlorobenzene
 Concen: 17.920 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

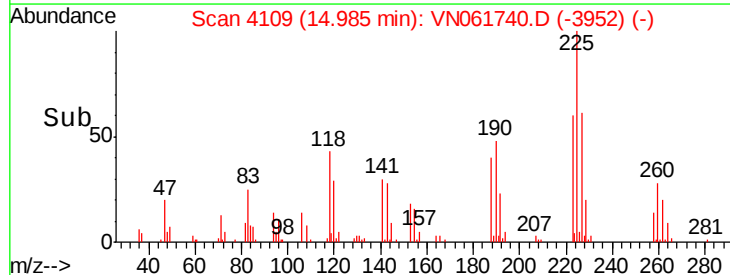
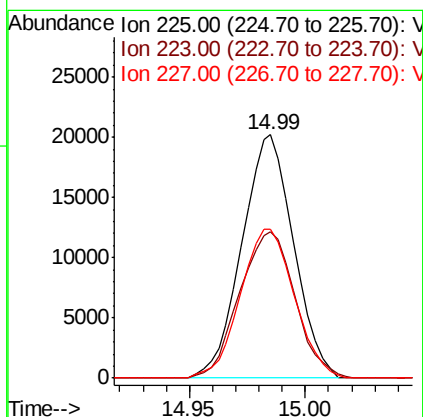
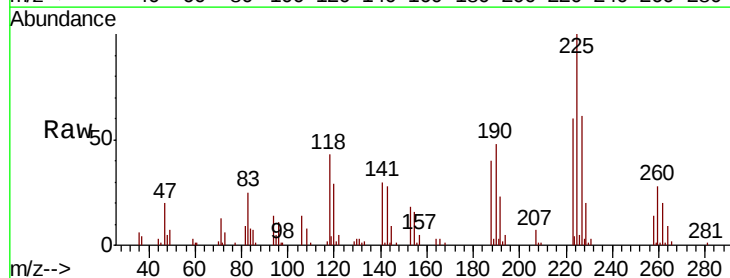
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

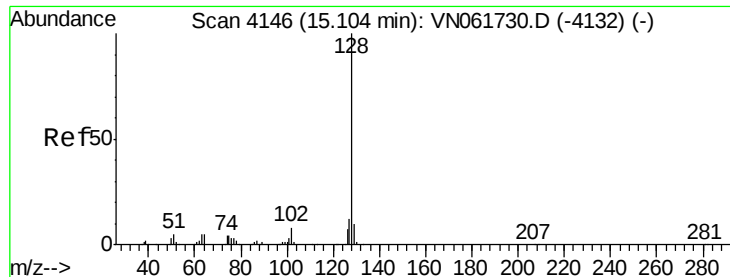
Tot Ion:180 Resp: 75296
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.6 113.4
 145 30.6 24.5 36.7



#90
 Hexachlorobutadiene
 Concen: 17.199 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061740.D
 Acq: 10 Jun 2020 16:28

Tgt Ion:225 Resp: 31332
 Ion Ratio Lower Upper
 225 100
 223 64.6 0.0 121.6
 227 64.0 0.0 126.8





#91

Naphthalene

Concen: 18.212 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

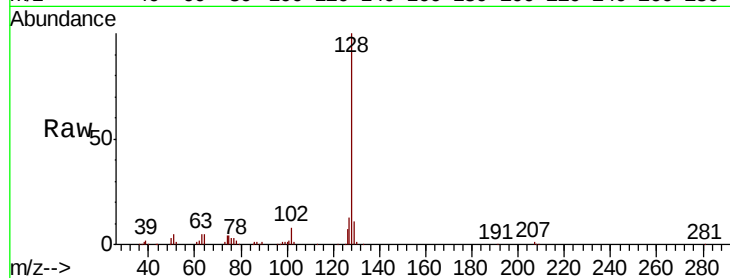
Tot Ion:128 Resp: 212354

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

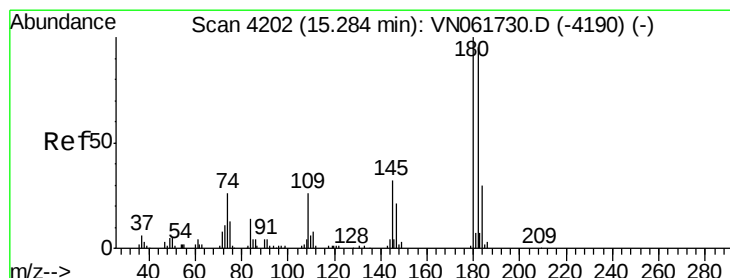
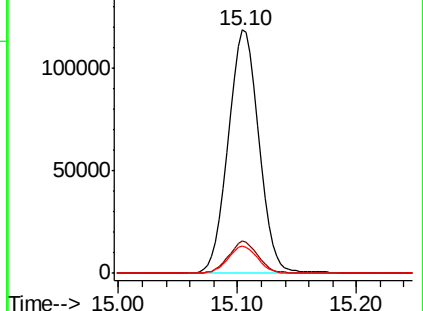
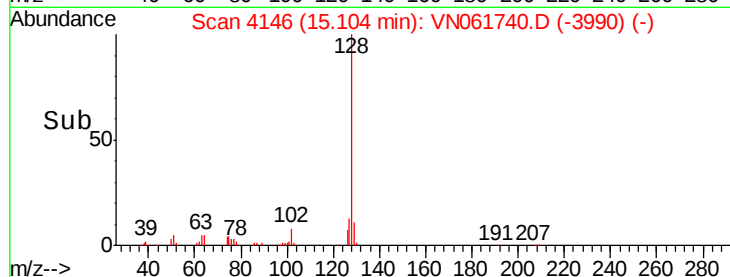
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 18.433 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061740.D

Acq: 10 Jun 2020 16:28

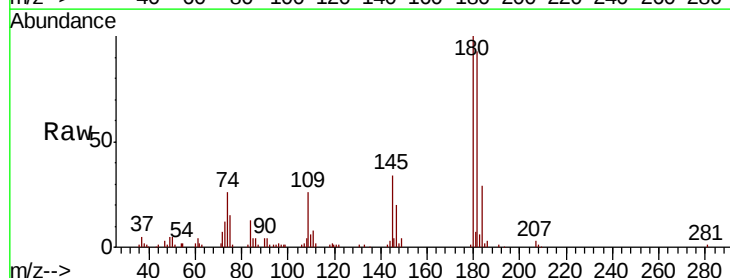
Tgt Ion:180 Resp: 75867

Ion Ratio Lower Upper

180 100

182 94.6 0.0 191.0

145 33.2 0.0 64.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

