

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN071320\
 Data File : VN062509.D
 Acq On : 13 Jul 2020 10:24
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Jul 13 11:09:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 13 10:35:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	40406	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	229687	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	214547	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	104408	38.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	128.00%
60) 4-Bromofluorobenzene	12.37	95	110625	33.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	113.27%
63) Toluene-d8	10.06	98	302445	32.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	108.03%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	133392	73.103	ug/l 98
3) Chloromethane	2.04	50	189757	83.387	ug/l 98
4) Vinyl Chloride	2.16	62	167324	58.887	ug/l 97
5) Bromomethane	2.53	94	81226	46.592	ug/l 93
6) Chloroethane	2.67	64	81880	43.677	ug/l 96
7) Trichlorofluoromethane	2.98	101	193227	49.282	ug/l 97
8) Diethyl Ether	3.37	74	94838	69.262	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	124863	58.387	ug/l 98
10) 1,1-Dichloroethene	3.70	96	128434	60.550	ug/l 96
11) Methyl Iodide	3.91	142	164810	58.743	ug/l 99
12) Methyl Acetate	4.28	43	170747	87.959	ug/l 99
13) Acrolein	3.56	56	142011	517.190	ug/l 98
14) Acrylonitrile	4.93	53	411772	424.062	ug/l 98
15) Acetone	3.77	58	127296	414.547	ug/l 99
16) Carbon Disulfide	4.01	76	418816	87.798	ug/l 98
17) Allyl chloride	4.27	41	263611	91.035	ug/l 98
18) Methylene Chloride	4.50	84	157593	63.373	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	143537	60.980	ug/l 96
20) Diisopropyl ether	5.90	45	569114	86.457	ug/l 97
21) 1,1-Dichloroethane	5.80	63	297848	73.001	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	159812	57.926	ug/l 97
23) tert-Butyl Alcohol	4.73	59	133704	365.937	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	481749	68.472	ug/l 100
25) Chloroform	7.33	83	274370	62.326	ug/l 98
26) Cyclohexane	7.61	56	265978	82.427	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	219384	66.940	ug/l 99
30) 2-Butanone	6.79	43	578658	440.894	ug/l 98
31) 2,2-Dichloropropane	6.78	77	244002	63.649	ug/l # 73
32) 1,1,1-Trichloroethane	7.53	97	233452	57.610	ug/l 98
33) Carbon Tetrachloride	7.73	117	201084	59.940	ug/l 98
34) Benzene	8.00	78	645314	63.593	ug/l # 92
35) Methacrylonitrile	7.12	41	98542	84.943	ug/l 99
36) 1,2-Dichloroethane	8.09	62	230436	68.345	ug/l 100
37) Trichloroethene	8.80	130	145174	48.924	ug/l 100
38) Methylcyclohexane	9.05	83	241986	66.171	ug/l 100
39) 1,2-Dichloropropane	9.09	63	183218	71.904	ug/l 99
40) Dibromomethane	9.18	93	104741	58.365	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	223808	60.936	ug/l	98
42) Vinyl Acetate	5.84	43	2447037	458.635	ug/l	100
43) Ethyl Acetate	6.88	43	231725	87.662	ug/l	98
44) Isopropyl Acetate	8.13	43	393516	85.582	ug/l	98
45) 1,4-Dioxane	9.17	88	53540	1242.641	ug/l	99
46) Methyl methacrylate	9.17	41	184747	89.252	ug/l	95
47) n-amyl Acetate	12.04	43	342895	87.773	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	266565	67.775	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	283790	66.354	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	148005	56.884	ug/l	99
51) Ethyl methacrylate	10.40	69	257181	71.814	ug/l	97
52) 1,3-Dichloropropane	10.68	76	272200	63.795	ug/l	100
53) Dibromochloromethane	10.87	129	162439	53.886	ug/l	99
54) 1,2-Dibromoethane	10.98	107	152890	56.868	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	418363	317.145	ug/l	100
56) Bromoform	12.10	173	111685	53.010	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	1172217	436.899	ug/l	100
59) 2-Hexanone	10.72	43	864465	441.343	ug/l	99
61) Tetrachloroethene	10.60	164	118480	38.153	ug/l	98
62) Toluene	10.12	91	667709	59.396	ug/l	100
64) Chlorobenzene	11.41	112	390867	55.266	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	144437	53.632	ug/l	100
66) Ethyl Benzene	11.48	91	745692	60.444	ug/l	98
67) m/p-Xylenes	11.59	106	538786	112.213	ug/l	100
68) o-Xylene	11.92	106	258256	56.752	ug/l	99
69) Styrene	11.94	104	443982	57.344	ug/l	99
70) Isopropylbenzene	12.22	105	699457	57.901	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	224788	66.875	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	303951	96.865	ug/l	59
73) Bromobenzene	12.50	156	159031	50.158	ug/l	98
74) n-propylbenzene	12.56	91	833099	60.683	ug/l	100
75) 2-Chlorotoluene	12.65	91	496900	60.787	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	597367	59.314	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	82158	71.066	ug/l	96
78) 4-Chlorotoluene	12.75	91	512982	60.635	ug/l	99
79) tert-butylbenzene	12.97	119	495921	57.073	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	585017	57.910	ug/l	99
81) sec-Butylbenzene	13.15	105	654007	58.244	ug/l	99
82) p-Isopropyltoluene	13.26	119	583336	56.462	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	283567	50.480	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	280308	50.894	ug/l	99
85) n-Butylbenzene	13.59	91	502095	58.903	ug/l	99
86) Hexachloroethane	13.85	117	109529	70.922	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	274332	51.424	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	43220	68.684	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	138075	45.352	ug/l	99
90) Hexachlorobutadiene	14.98	225	76195	55.403	ug/l	98
91) Naphthalene	15.10	128	370001	43.854	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	138700	46.358	ug/l	98

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ClientSampleId :
VSTDICC050

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jul 13 10:35:22 2020
Response via : Initial Calibration

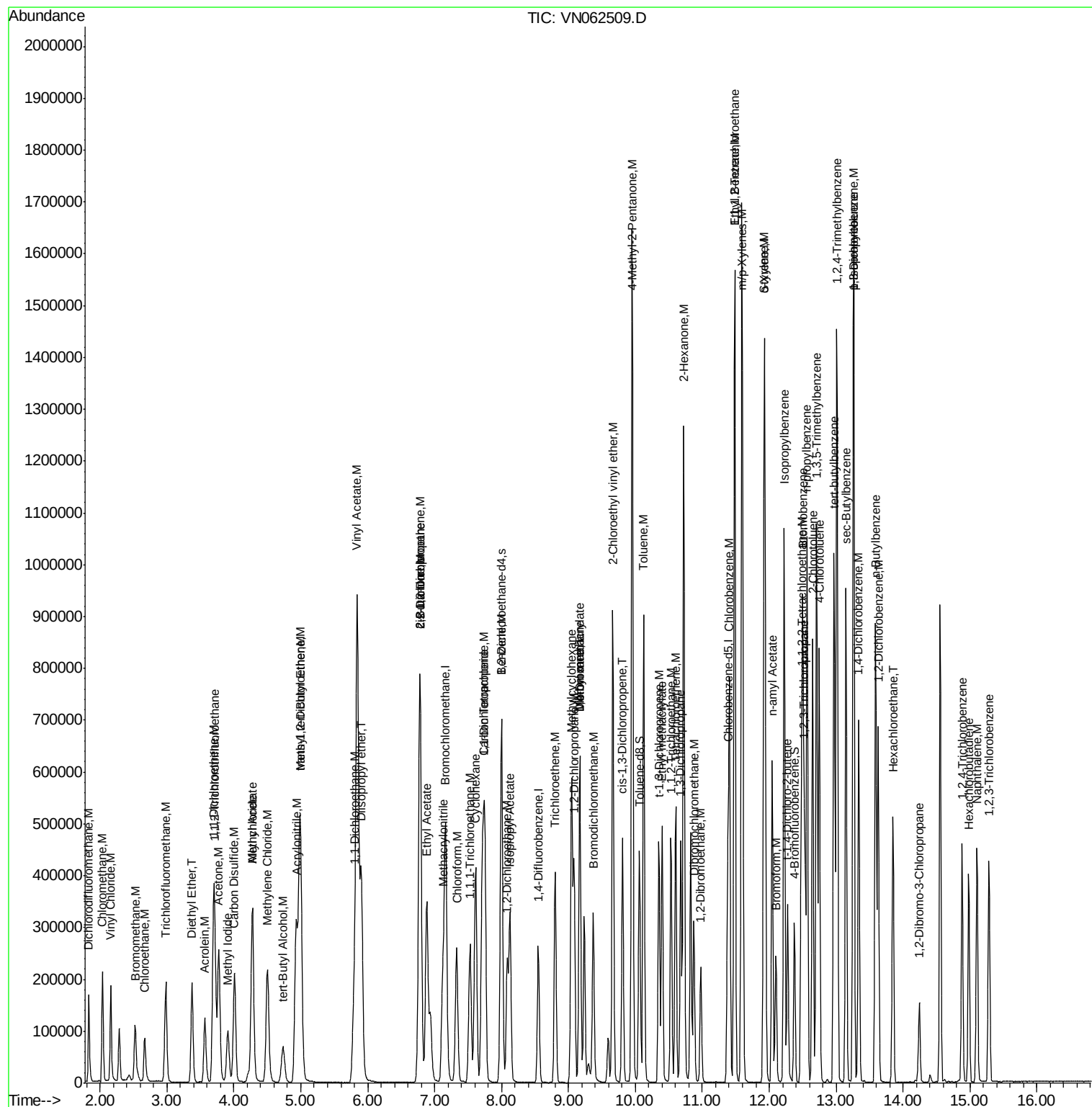
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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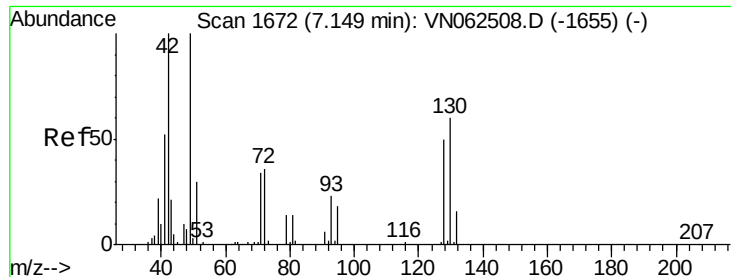
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN071320\
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
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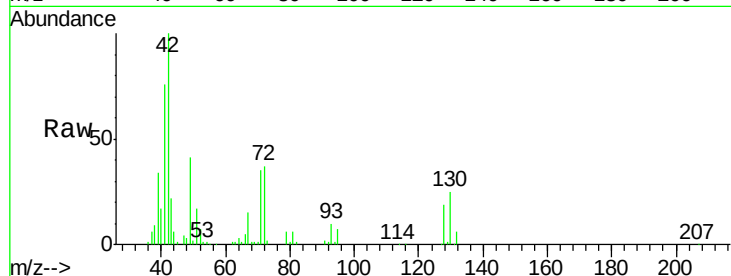




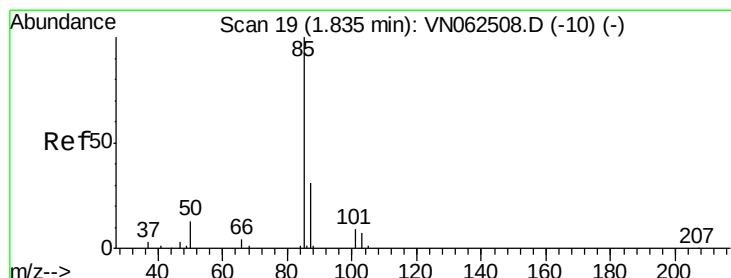
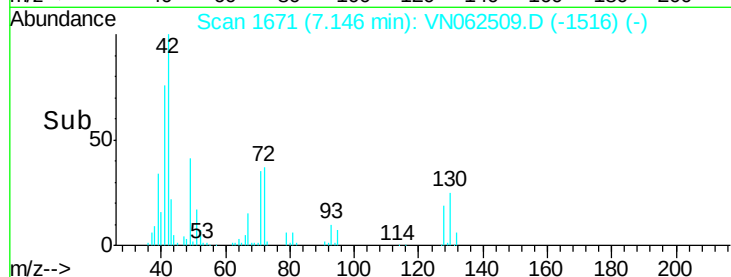
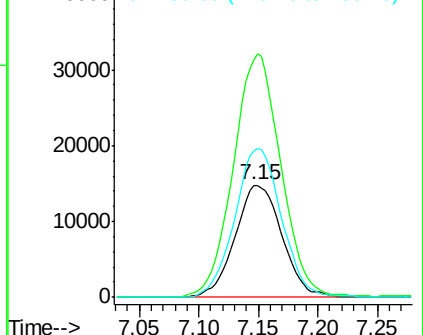
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion:128 Resp: 40406
 Ion Ratio Lower Upper
 128 100
 49 219.7 0.0 525.0
 130 131.9 0.0 319.8

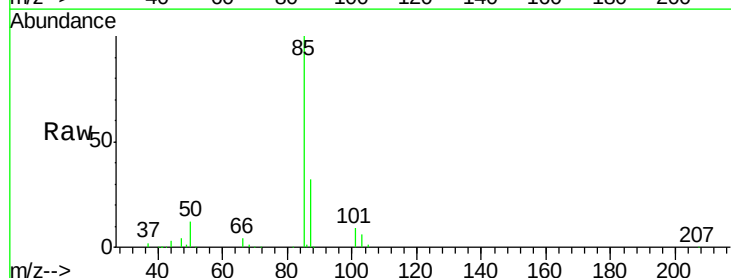


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VNO
 Ion 130.00 (129.70 to 130.70): V

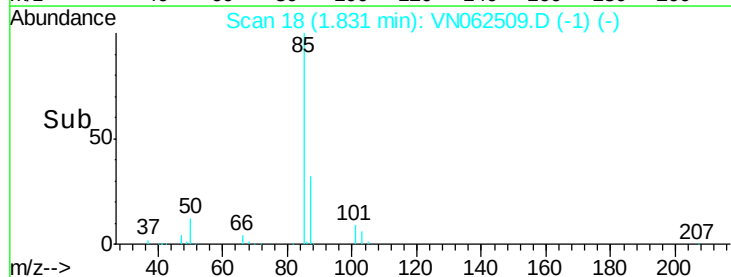
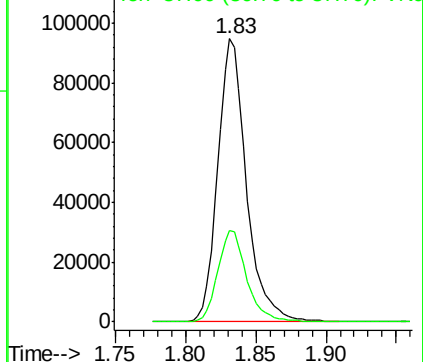


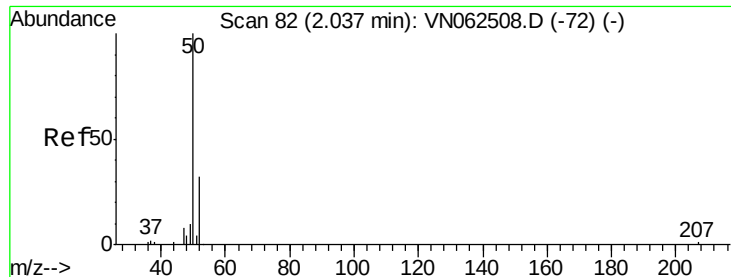
#2
 Dichlorodifluoromethane
 Concen: 73.103 ug/l
 RT: 1.83 min Scan# 18
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion: 85 Resp: 133392
 Ion Ratio Lower Upper
 85 100
 87 32.3 15.6 46.7



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





#3

Chloromethane

Concen: 83.387 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampled :

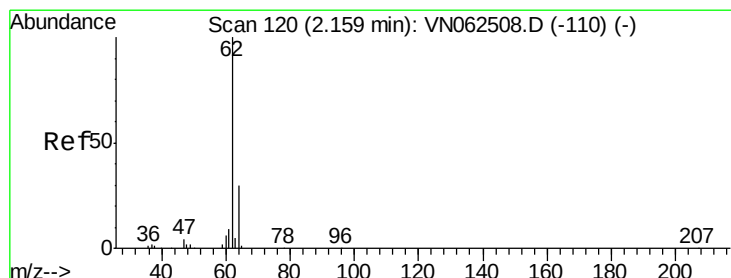
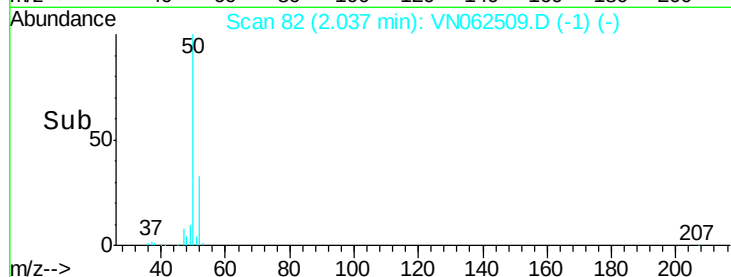
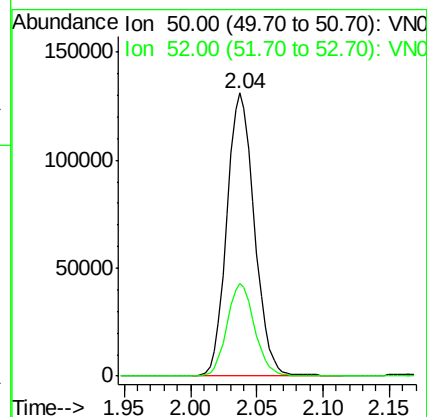
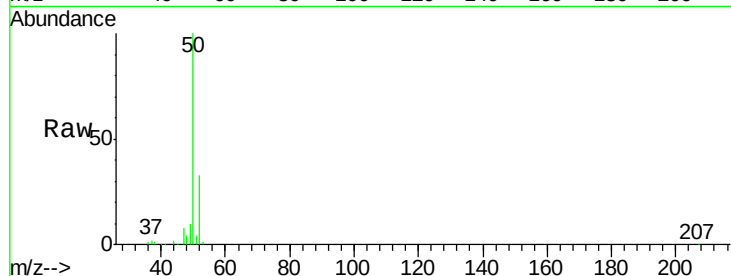
VSTDIC050

Tgt Ion: 50 Resp: 189757

Ion Ratio Lower Upper

50 100

52 32.7 25.4 38.2



#4

Vinyl Chloride

Concen: 58.887 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062509.D

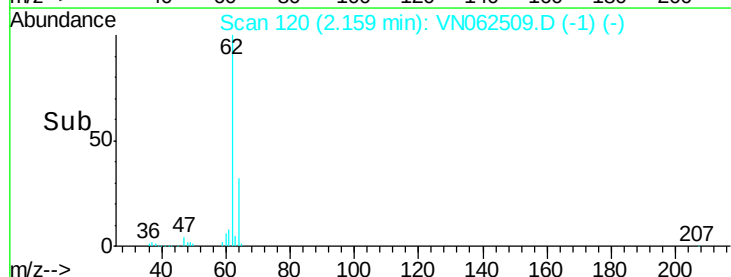
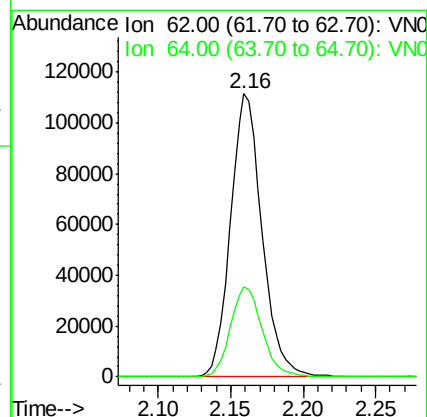
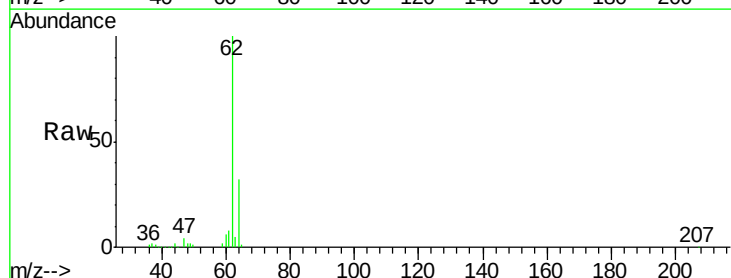
Acq: 13 Jul 2020 10:24

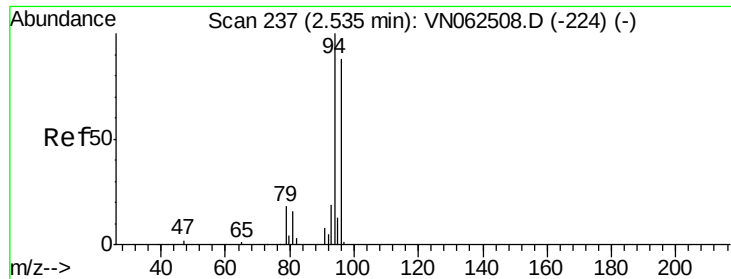
Tgt Ion: 62 Resp: 167324

Ion Ratio Lower Upper

62 100

64 31.8 24.3 36.5





#5

Bromomethane

Concen: 46.592 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

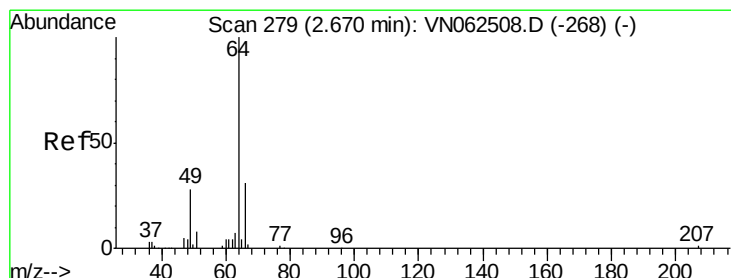
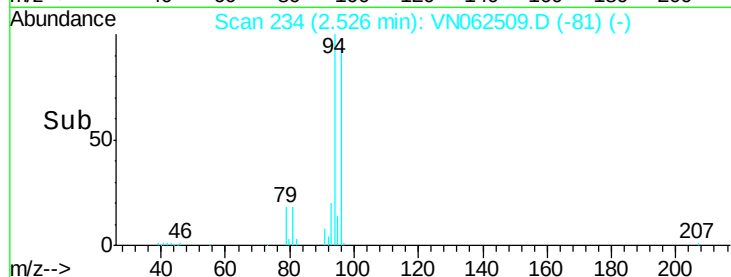
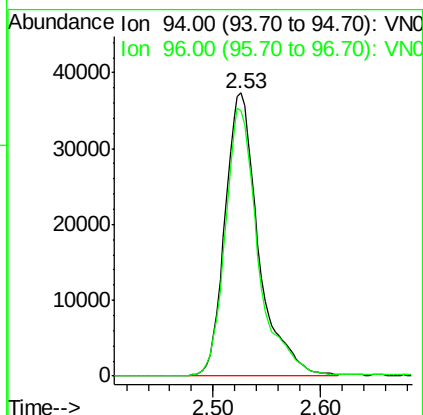
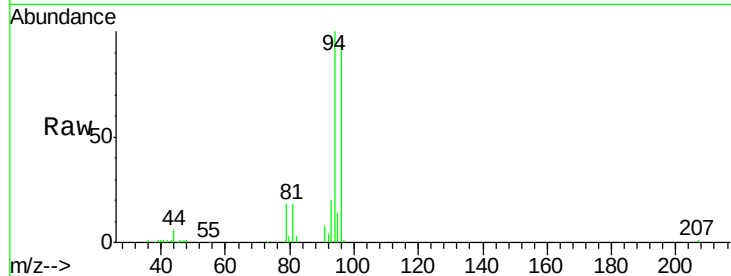
VSTDIC050

Tgt Ion: 94 Resp: 81226

Ion Ratio Lower Upper

94 100

96 93.9 70.2 105.4



#6

Chloroethane

Concen: 43.677 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN062509.D

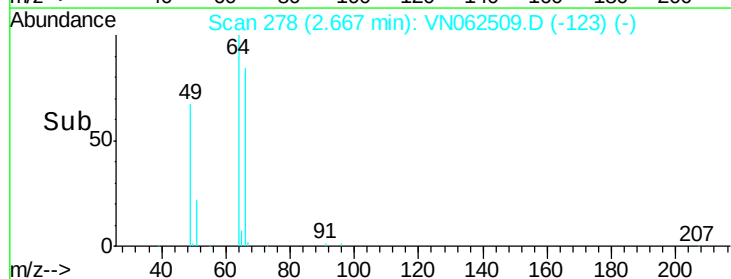
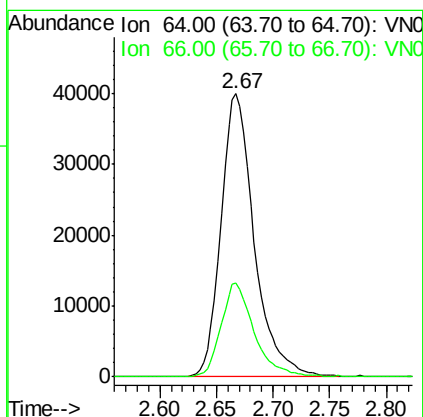
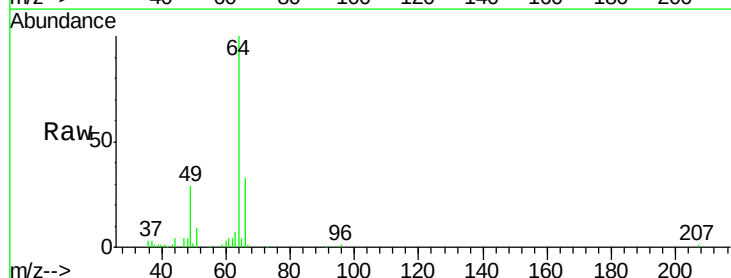
Acq: 13 Jul 2020 10:24

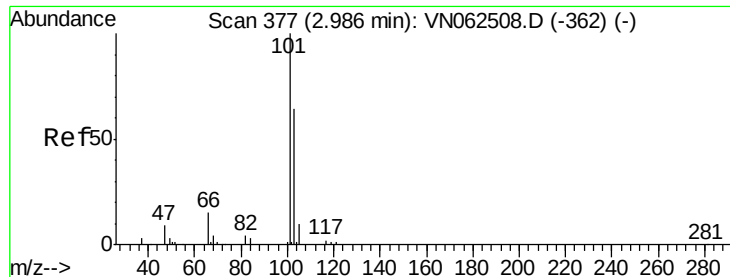
Tgt Ion: 64 Resp: 81880

Ion Ratio Lower Upper

64 100

66 33.1 24.9 37.3



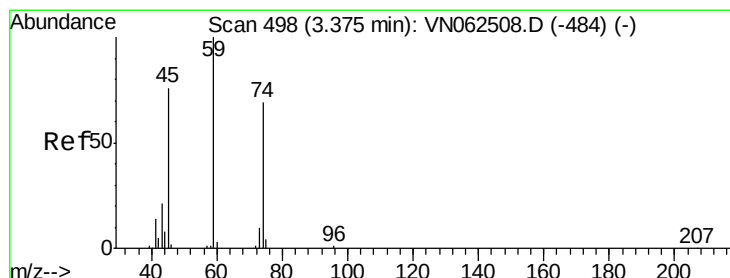
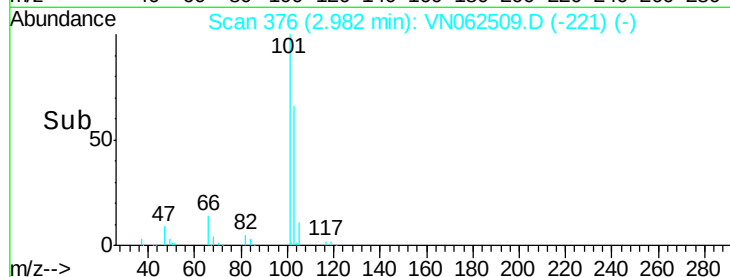
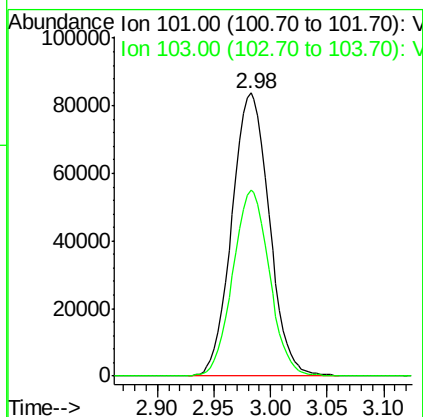
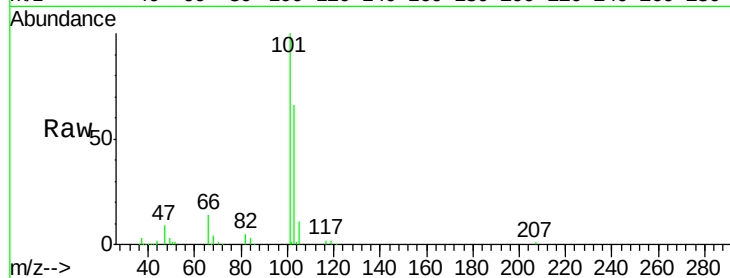


#7

Trichlorofluoromethane
 Concen: 49.282 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

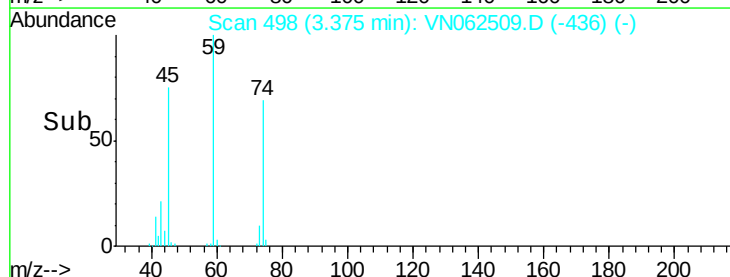
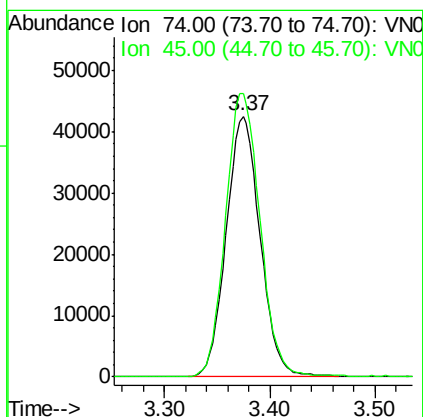
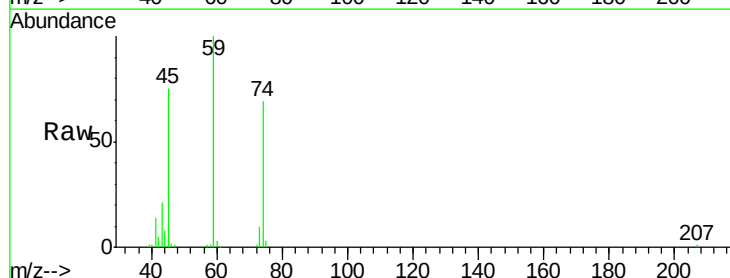
Tgt Ion: 101 Resp: 193227
 Ion Ratio Lower Upper
 101 100
 103 65.9 50.9 76.3

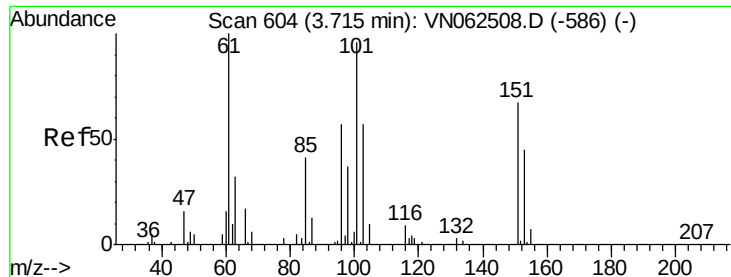


#8

Diethyl Ether
 Concen: 69.262 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion: 74 Resp: 94838
 Ion Ratio Lower Upper
 74 100
 45 110.9 21.8 196.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 58.387 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

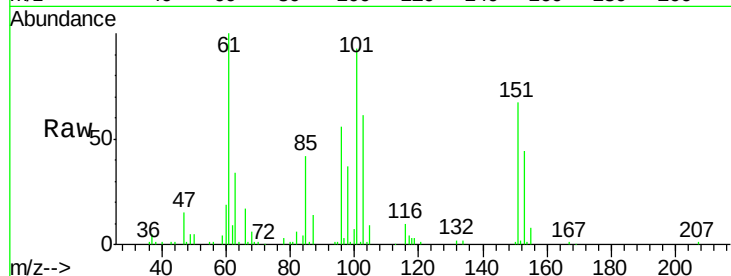
Tgt Ion:101 Resp: 124863

Ion Ratio Lower Upper

101 100

85 45.5 0.0 90.4

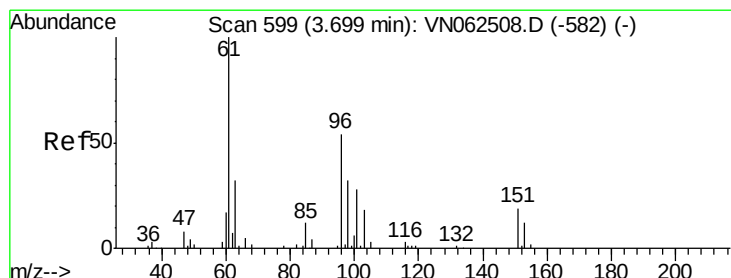
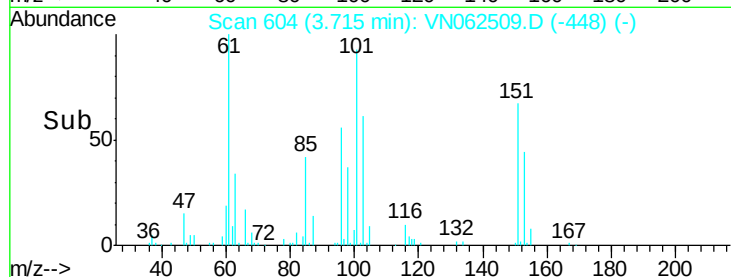
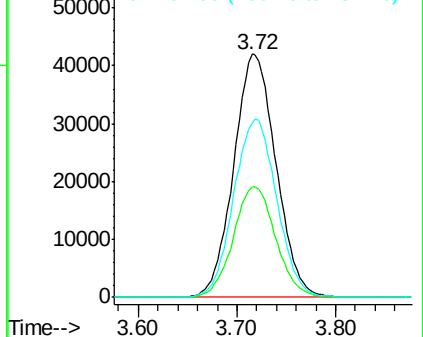
151 74.7 0.0 145.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 60.550 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

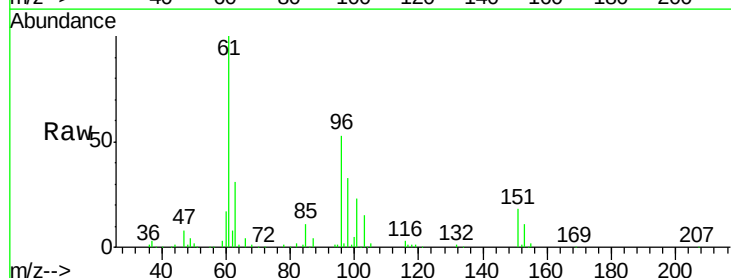
Tgt Ion: 96 Resp: 128434

Ion Ratio Lower Upper

96 100

61 189.6 147.8 221.8

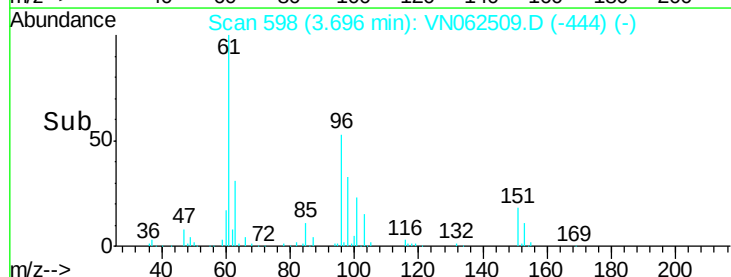
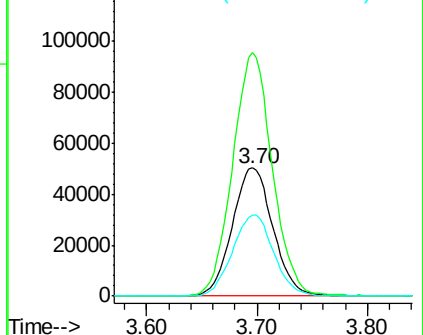
98 63.4 47.8 71.8

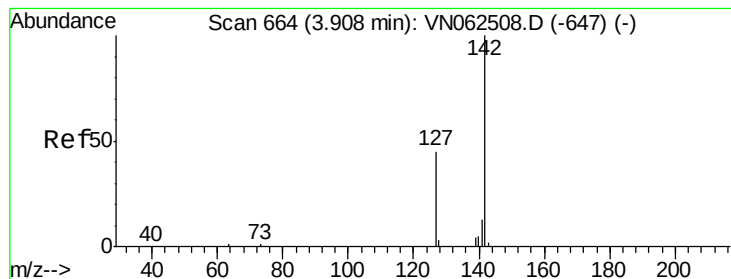


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

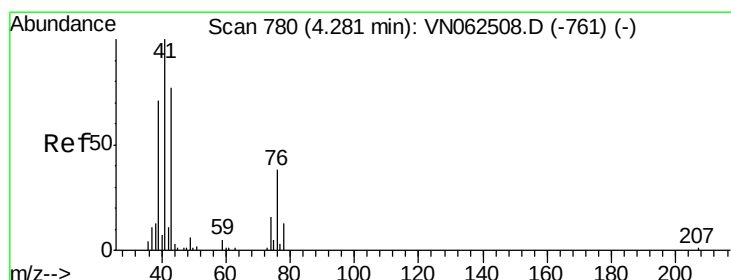
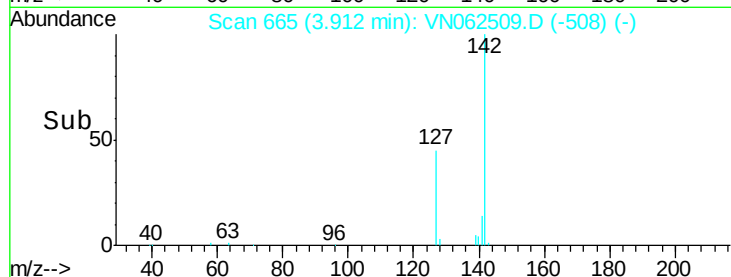
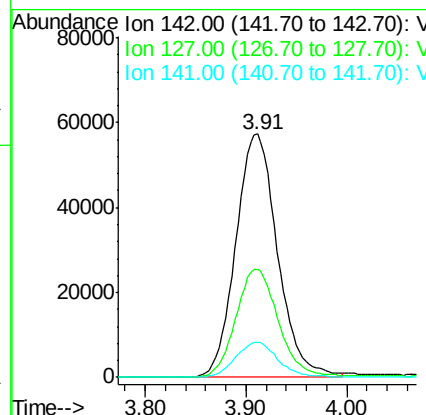
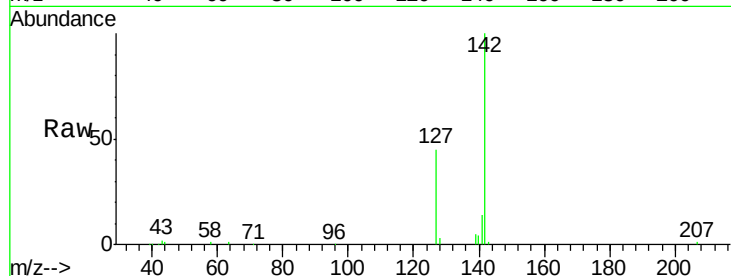




#11
Methyl Iodide
Concen: 58.743 ug/l
RT: 3.91 min Scan# 665
Delta R.T. 0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

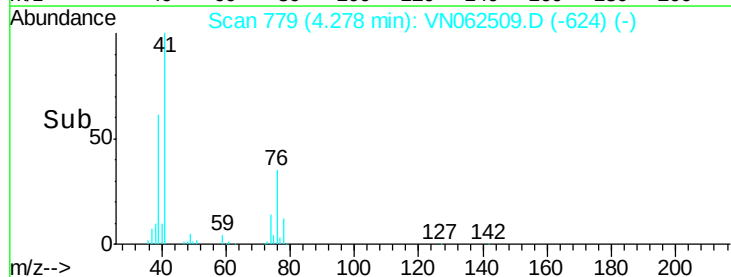
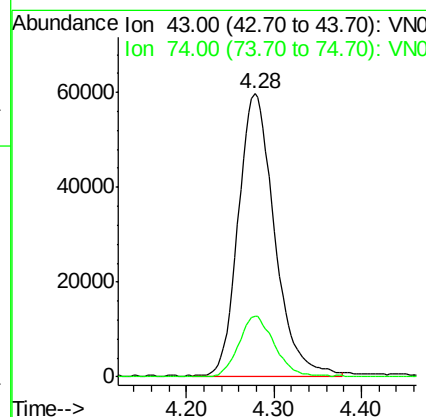
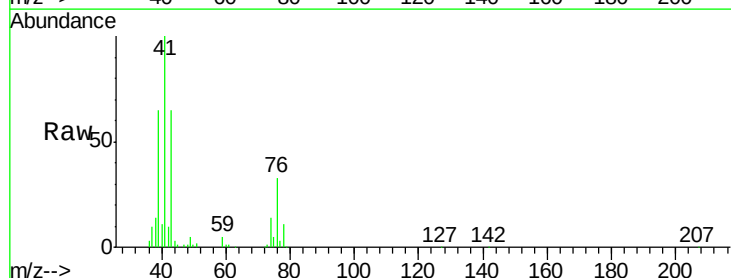
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

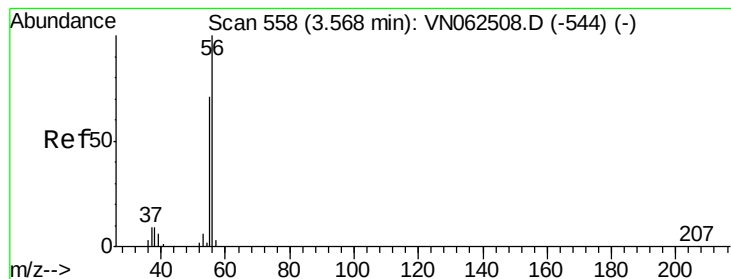
Tgt Ion:142 Resp: 164810
Ion Ratio Lower Upper
142 100
127 44.5 22.1 66.5
141 14.6 6.5 19.4



#12
Methyl Acetate
Concen: 87.959 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion: 43 Resp: 170747
Ion Ratio Lower Upper
43 100
74 21.5 16.7 25.1





#13

Acrolein

Concen: 517.190 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

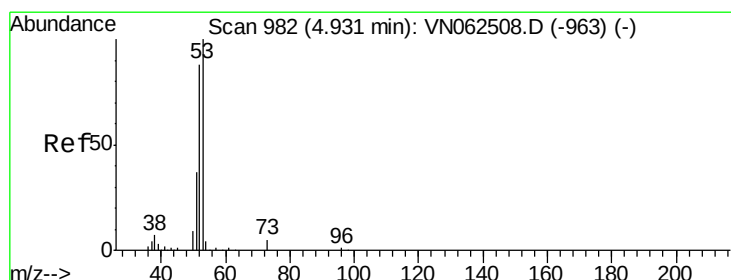
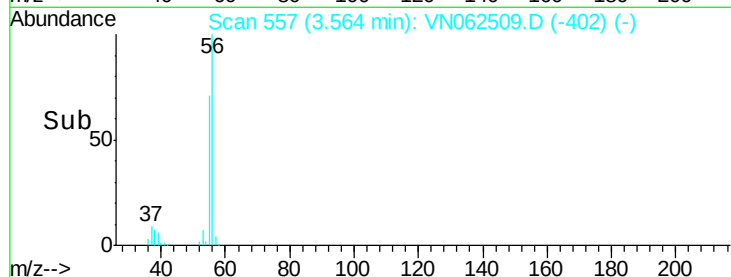
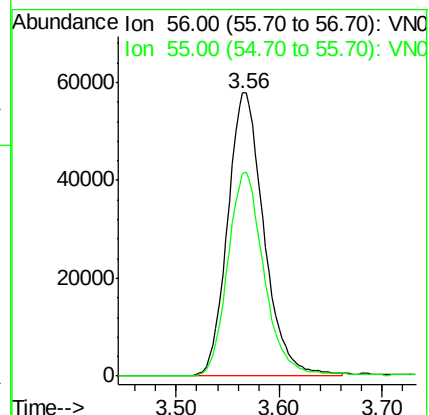
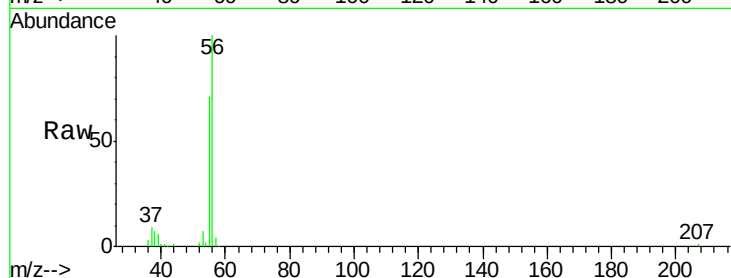
VSTDIC050

Tgt Ion: 56 Resp: 142011

Ion Ratio Lower Upper

56 100

55 71.5 56.0 84.0



#14

Acrylonitrile

Concen: 424.062 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

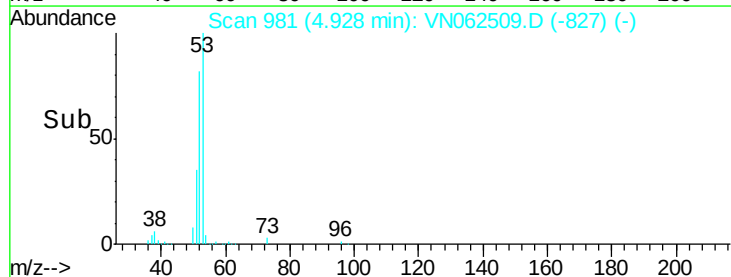
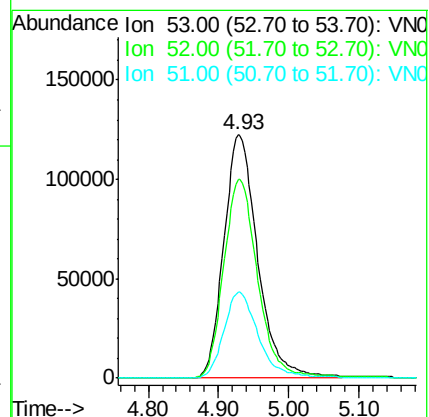
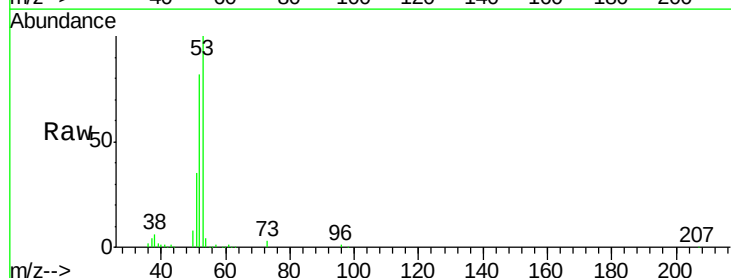
Tgt Ion: 53 Resp: 411772

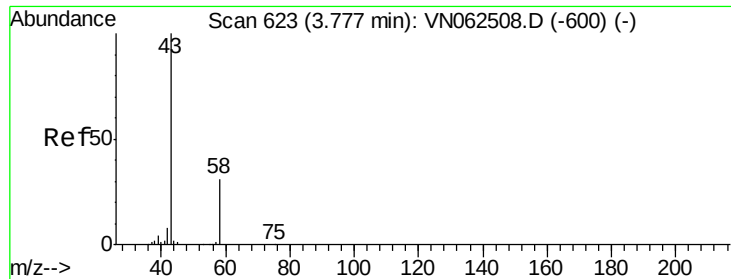
Ion Ratio Lower Upper

53 100

52 81.7 41.8 125.4

51 35.9 18.5 55.5





#15

Acetone

Concen: 414.547 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

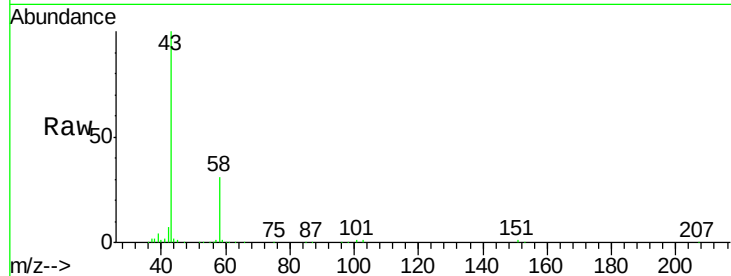
VSTDIC050

Tgt Ion: 58 Resp: 127296

Ion Ratio Lower Upper

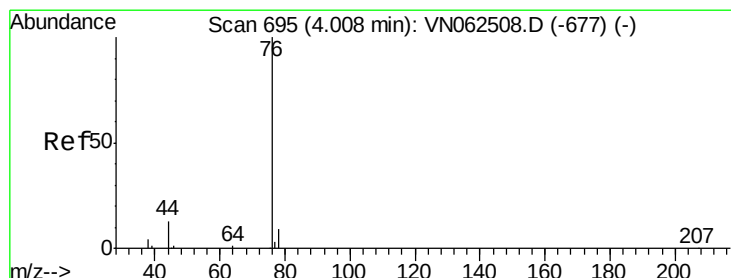
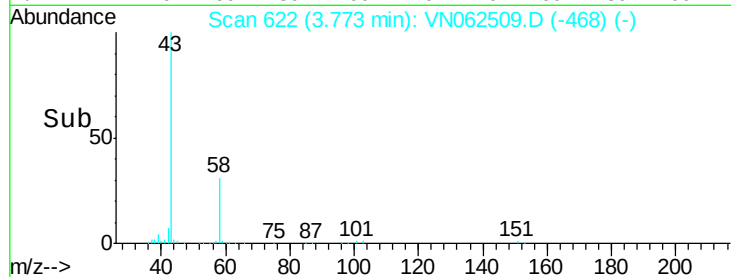
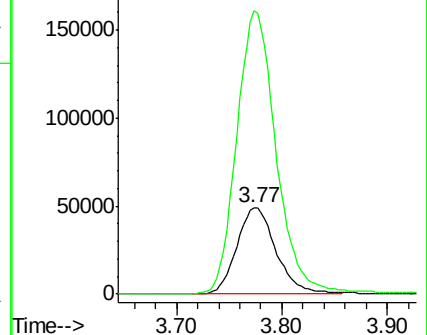
58 100

43 324.7 261.1 391.7



Abundance Ion 58.00 (57.70 to 58.70): VN062509.D (-468) (-)

Ion 43.00 (42.70 to 43.70): VN062509.D (-468) (-)



#16

Carbon Disulfide

Concen: 87.798 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062509.D

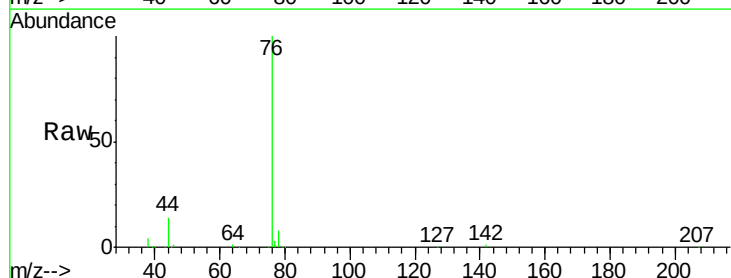
Acq: 13 Jul 2020 10:24

Tgt Ion: 76 Resp: 418816

Ion Ratio Lower Upper

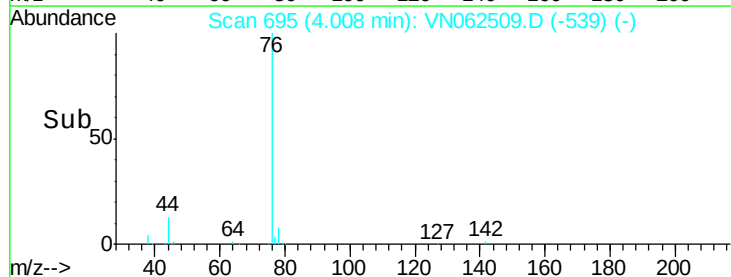
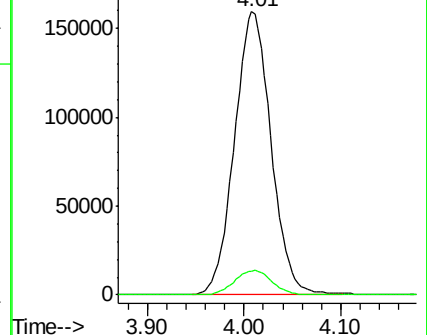
76 100

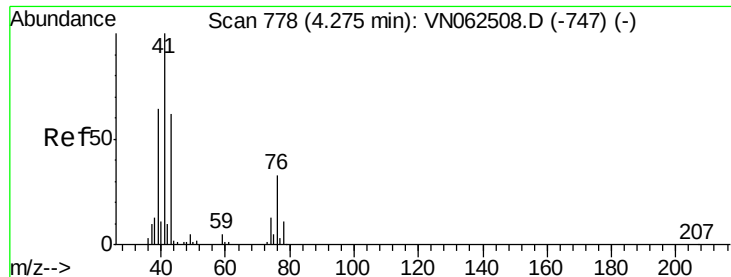
78 8.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN062509.D (-539) (-)

Ion 78.00 (77.70 to 78.70): VN062509.D (-539) (-)

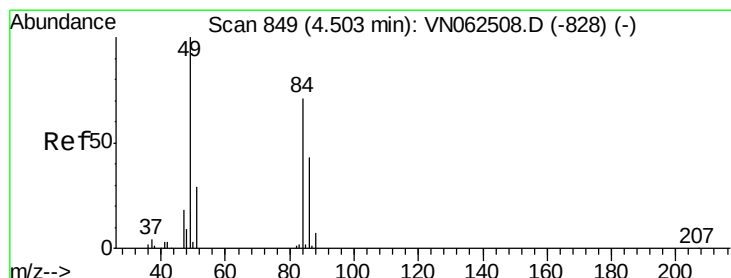
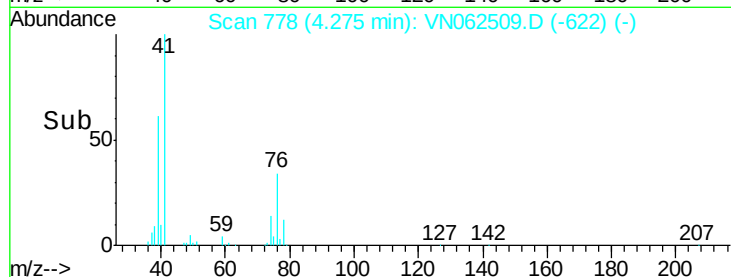
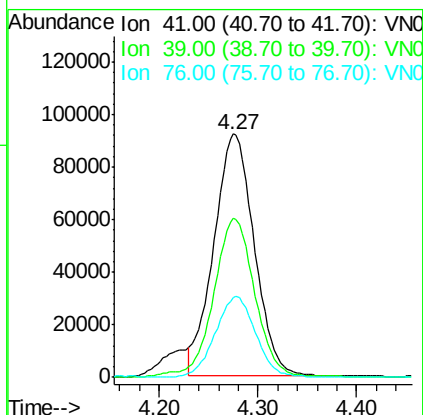
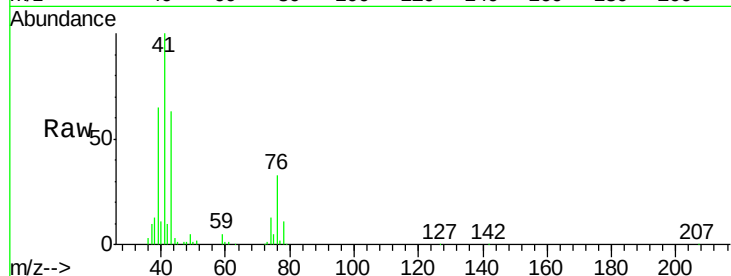




#17
 Allyl chloride
 Concen: 91.035 ug/l
 RT: 4.27 min Scan# 778
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

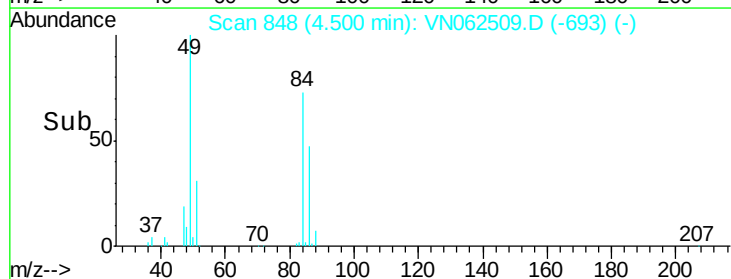
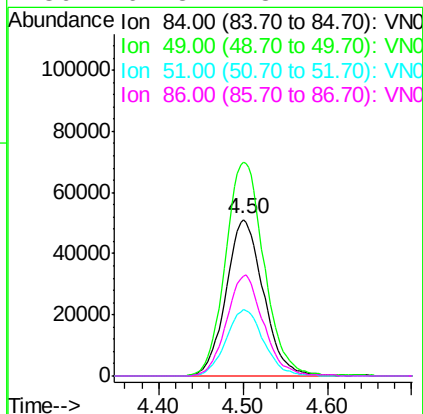
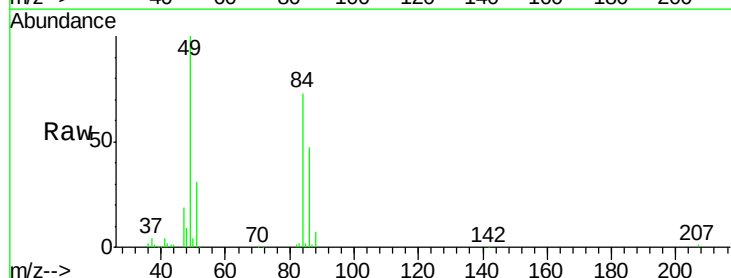
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

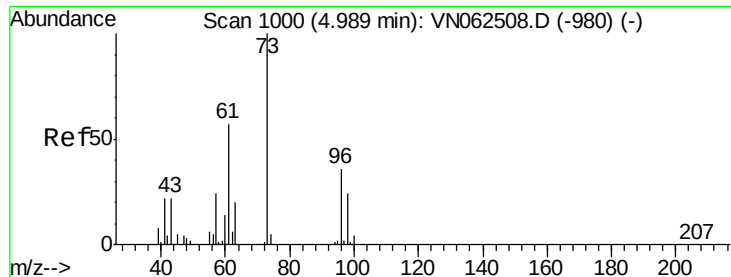
Tgt Ion: 41 Resp: 263611
 Ion Ratio Lower Upper
 41 100
 39 65.4 31.9 95.5
 76 32.6 16.6 49.8



#18
 Methylene Chloride
 Concen: 63.373 ug/l
 RT: 4.50 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion: 84 Resp: 157593
 Ion Ratio Lower Upper
 84 100
 49 136.3 112.1 168.1
 51 42.3 33.0 49.4
 86 64.3 48.2 72.4





#19

trans-1,2-Dichloroethene

Concen: 60.980 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

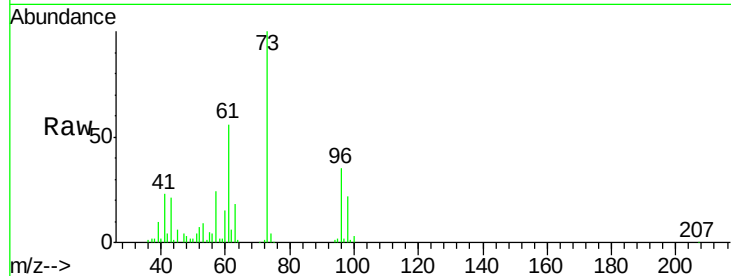
Tgt Ion: 96 Resp: 143537

Ion Ratio Lower Upper

96 100

61 160.5 125.7 188.5

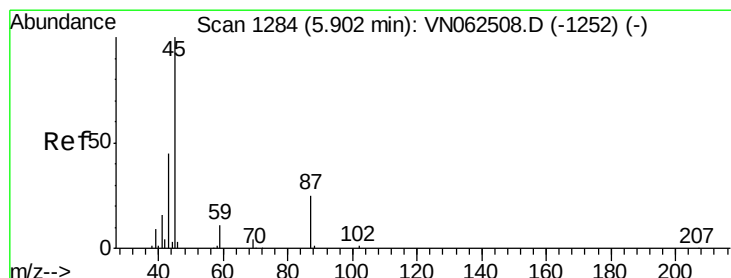
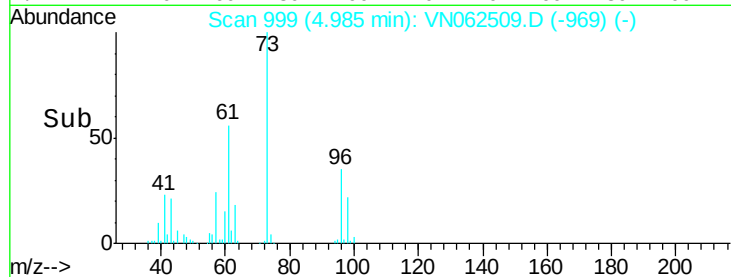
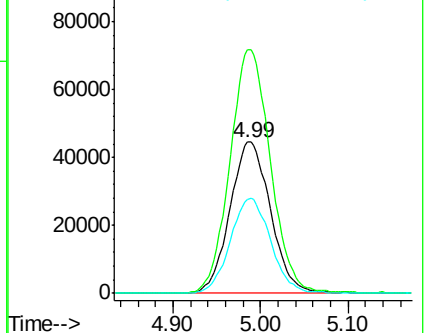
98 62.1 54.1 81.1



Abundance Ion 96.00 (95.70 to 96.70): VN062509.D (-969) (-)

Ion 61.00 (60.70 to 61.70): VN062509.D (-969) (-)

Ion 98.00 (97.70 to 98.70): VN062509.D (-969) (-)



#20

Diisopropyl ether

Concen: 86.457 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Tgt Ion: 45 Resp: 569114

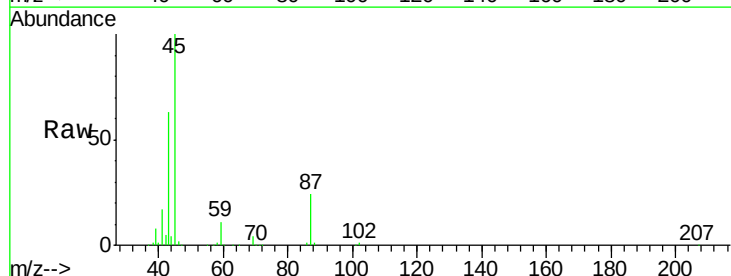
Ion Ratio Lower Upper

45 100

43 60.7 51.3 76.9

87 24.0 19.8 29.6

59 10.9 8.8 13.2

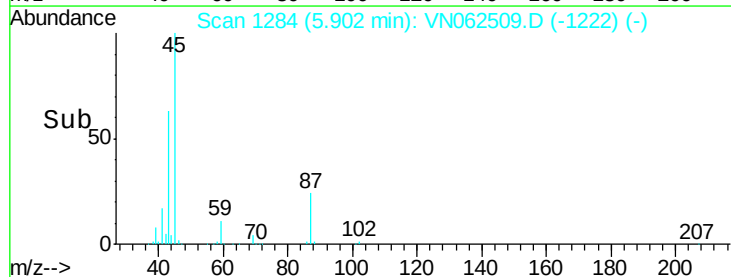
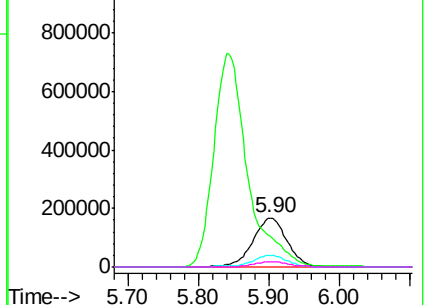


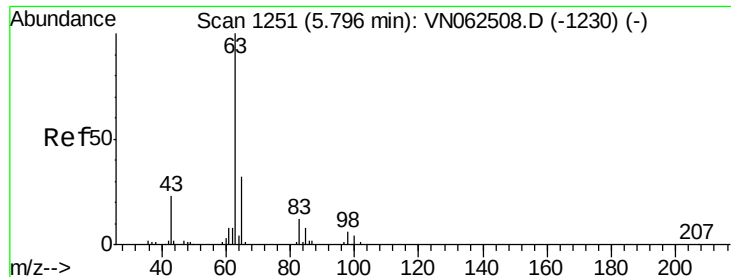
Abundance Ion 45.00 (44.70 to 45.70): VN062509.D (-1222) (-)

Ion 43.00 (42.70 to 43.70): VN062509.D (-1222) (-)

Ion 87.00 (86.70 to 87.70): VN062509.D (-1222) (-)

Ion 59.00 (58.70 to 59.70): VN062509.D (-1222) (-)





#21

1,1-Dichloroethane

Concen: 73.001 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

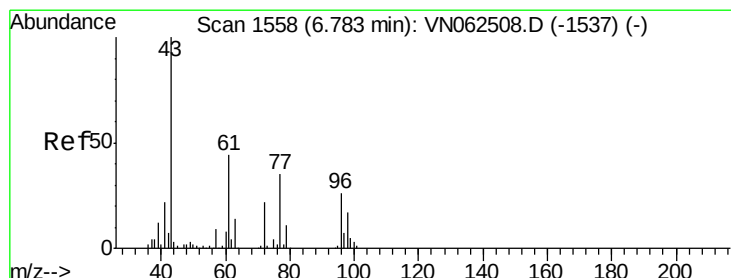
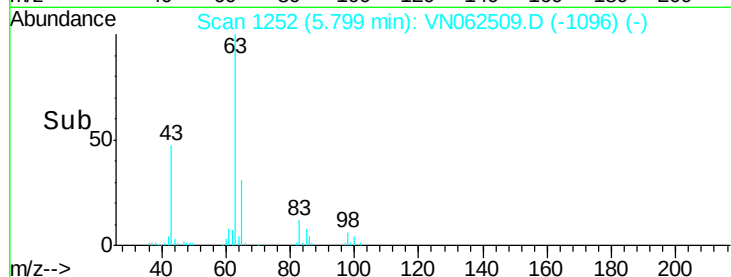
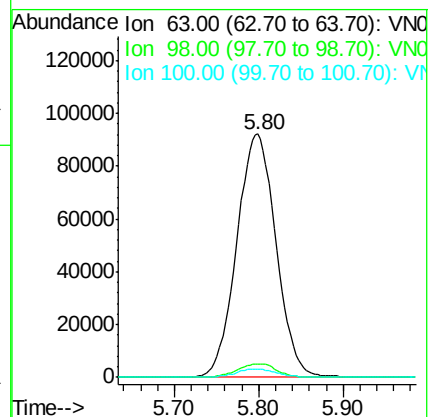
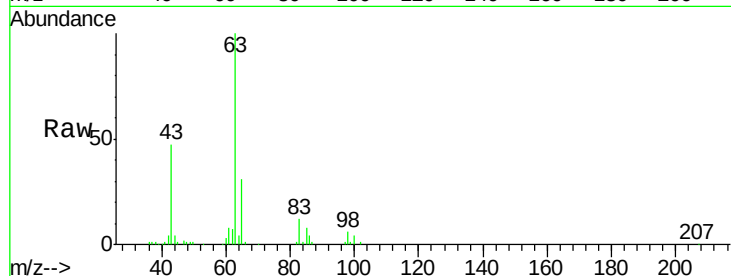
Tgt Ion: 63 Resp: 297848

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

100 3.5 2.0 5.8



#22

cis-1,2-Dichloroethene

Concen: 57.926 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

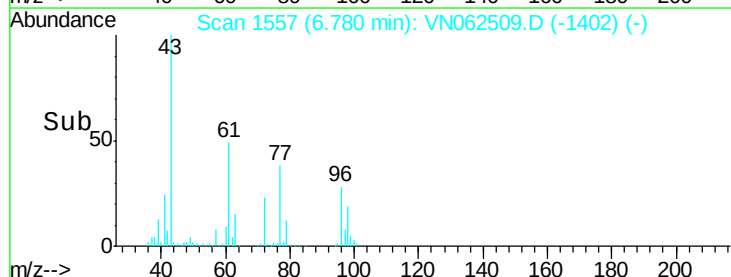
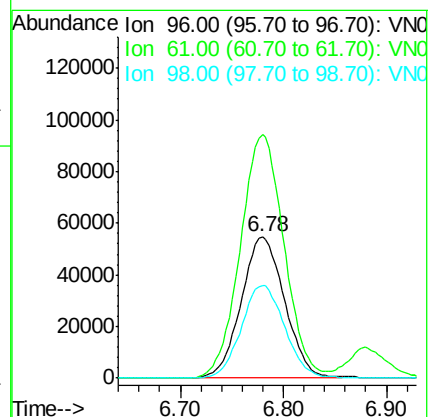
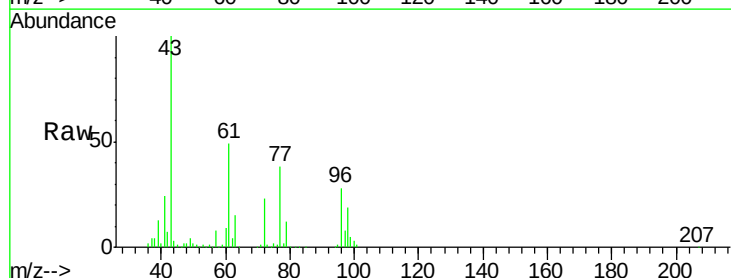
Tgt Ion: 96 Resp: 159812

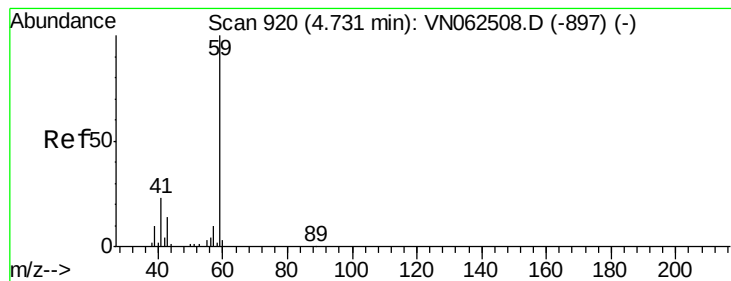
Ion Ratio Lower Upper

96 100

61 173.3 134.9 202.3

98 65.8 51.5 77.3





#23

tert-Butyl Alcohol

Concen: 365.937 ug/l

RT: 4.73 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

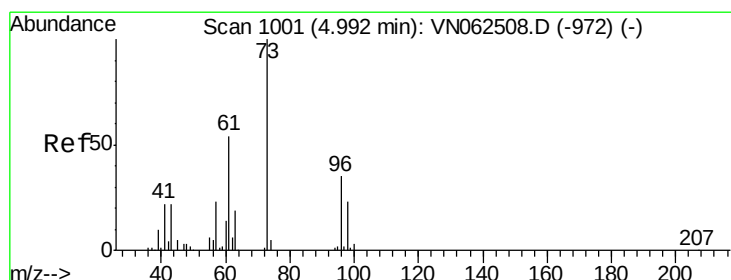
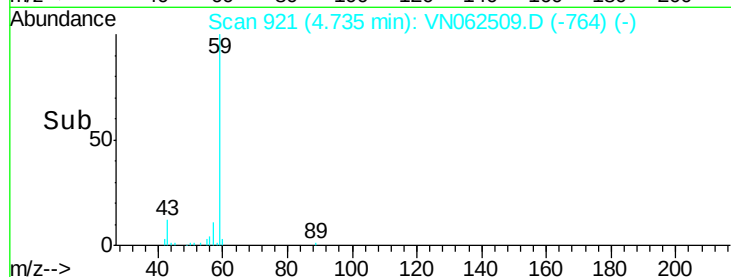
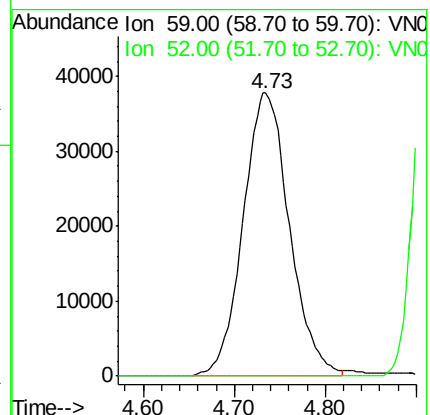
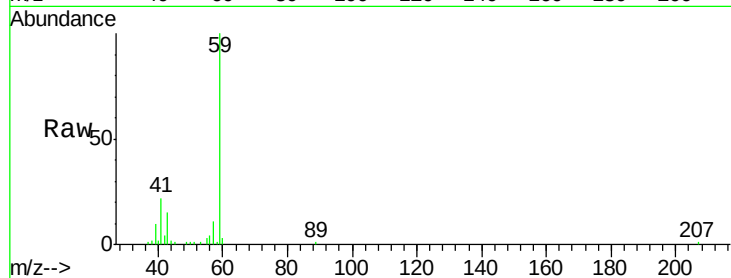
VSTDIC050

Tgt Ion: 59 Resp: 133704

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 68.472 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN062509.D

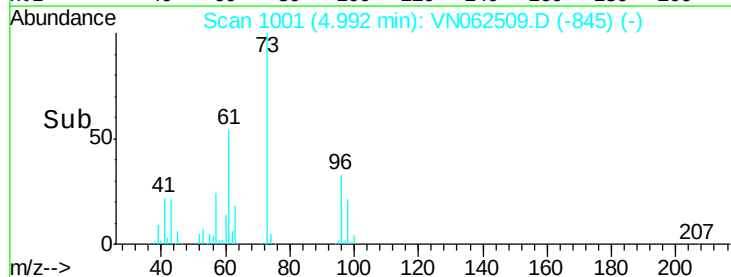
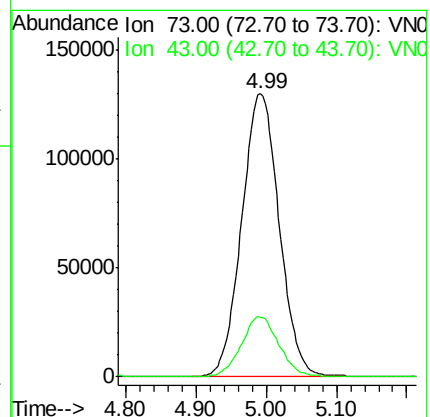
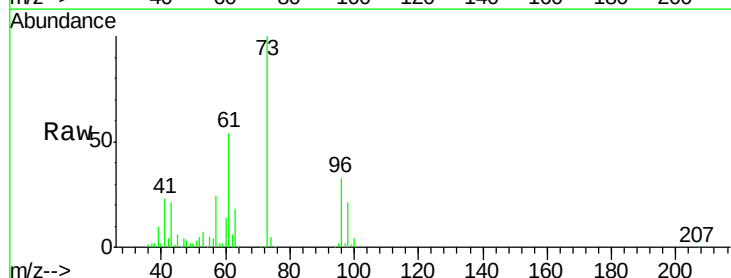
Acq: 13 Jul 2020 10:24

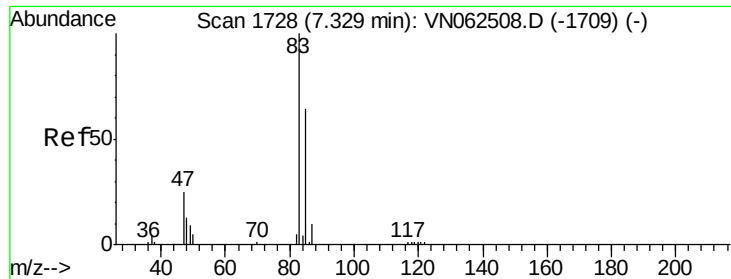
Tgt Ion: 73 Resp: 481749

Ion Ratio Lower Upper

73 100

43 21.0 16.9 25.3





#25

Chloroform

Concen: 62.326 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

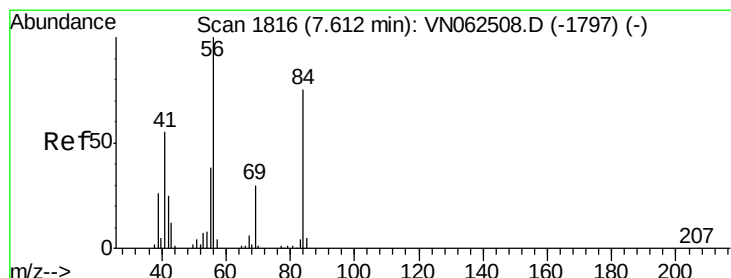
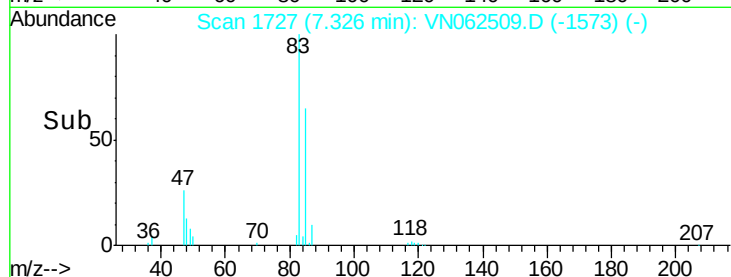
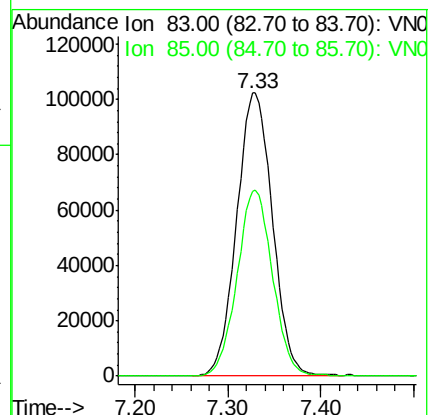
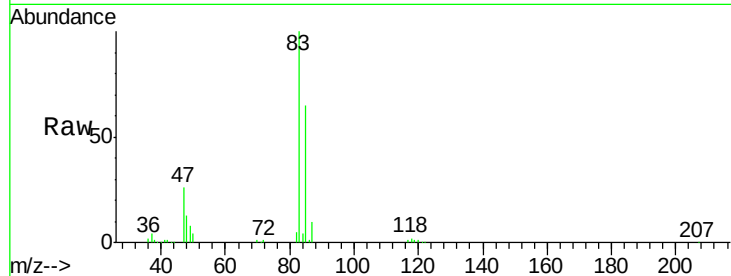
VSTDIC050

Tgt Ion: 83 Resp: 274370

Ion Ratio Lower Upper

83 100

85 65.4 51.0 76.4



#26

Cyclohexane

Concen: 82.427 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

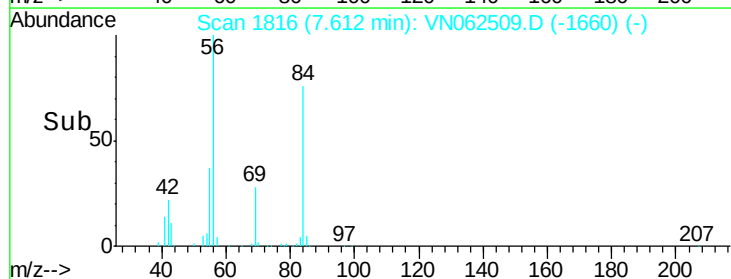
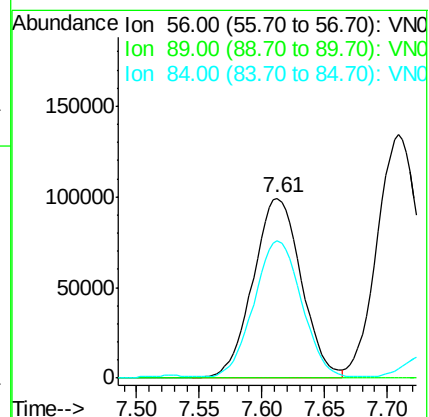
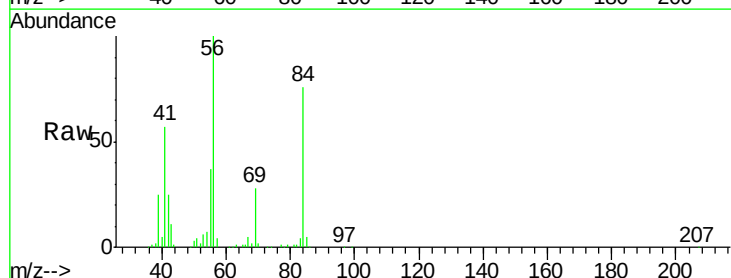
Tgt Ion: 56 Resp: 265978

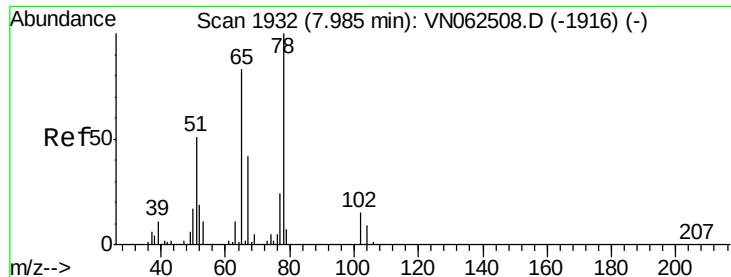
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 76.2 61.1 91.7

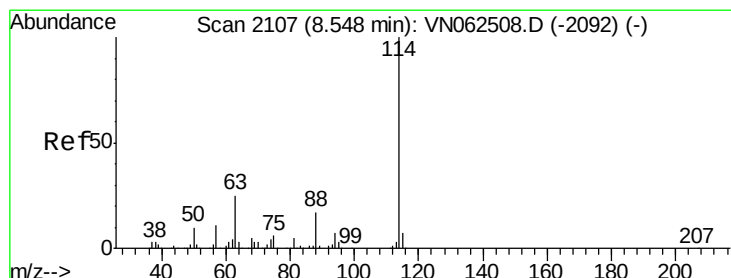
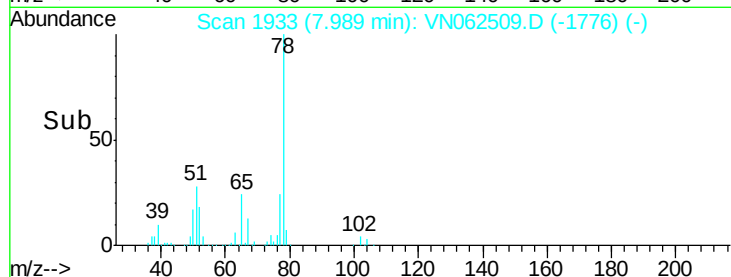
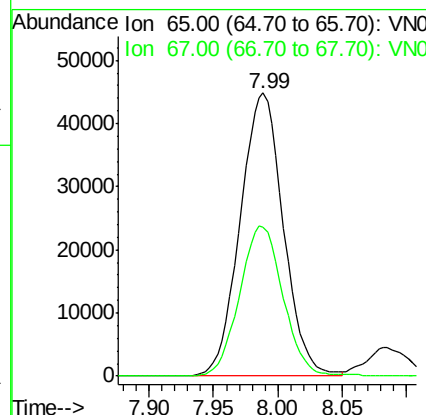
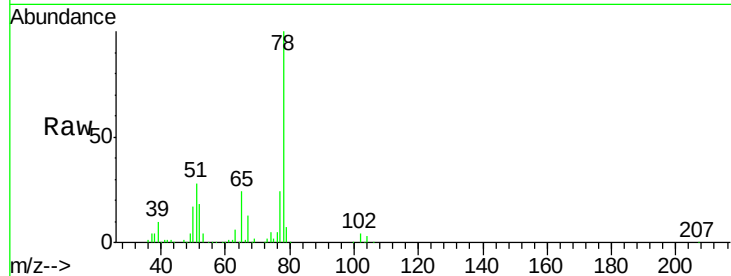




#27
 1,2-Dichloroethane-d4
 Concen: 38.399 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

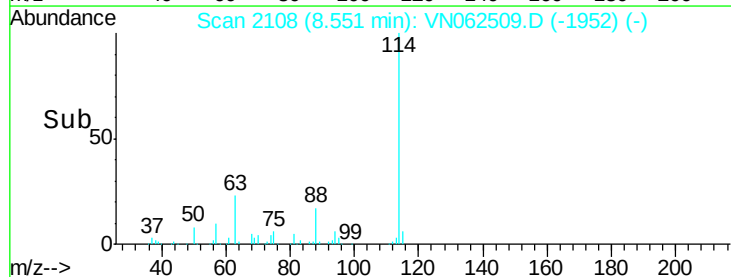
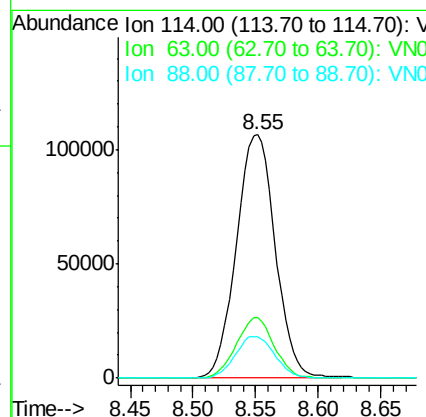
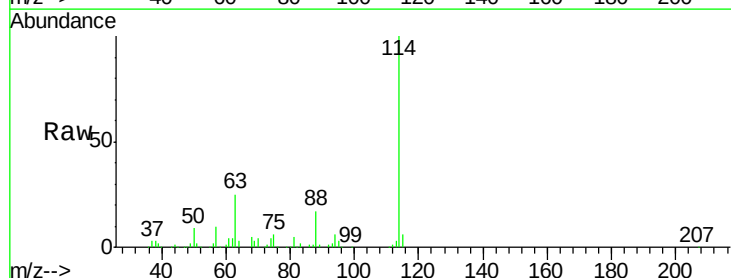
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

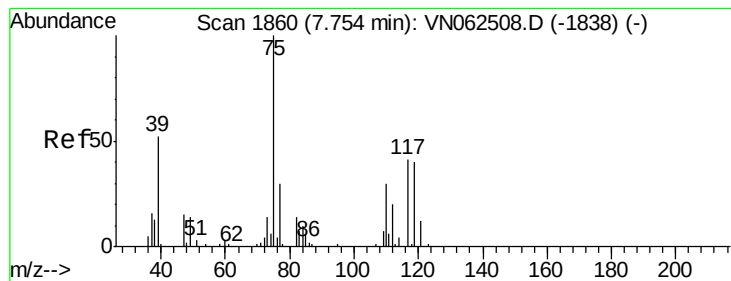
Tgt Ion: 65 Resp: 104408
 Ion Ratio Lower Upper
 65 100
 67 53.1 41.7 62.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion: 114 Resp: 229687
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.4 29.0
 88 17.4 13.5 20.3





#29

1,1-Dichloropropene

Concen: 66.940 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

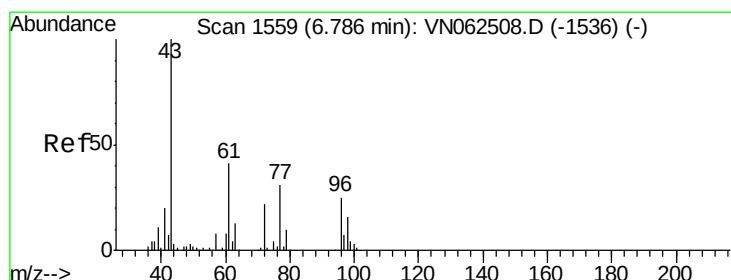
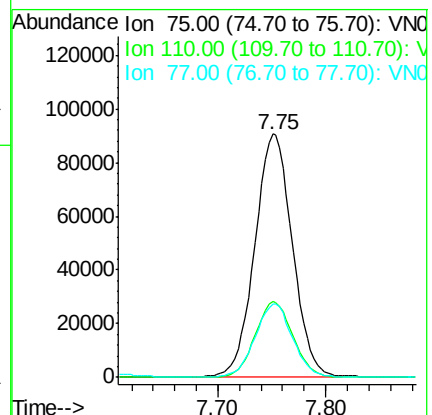
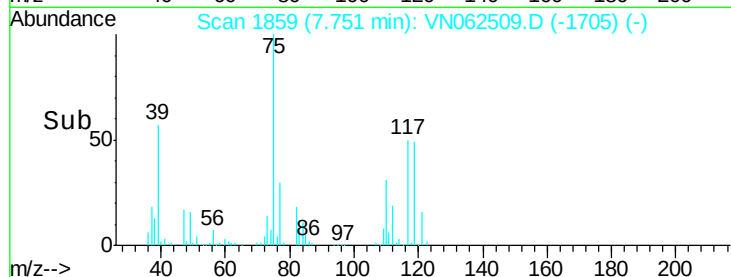
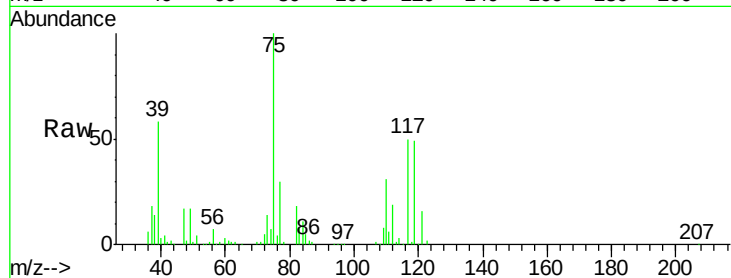
Tgt Ion: 75 Resp: 219384

Ion Ratio Lower Upper

75 100

110 31.1 0.0 62.4

77 30.3 0.0 62.8



#30

2-Butanone

Concen: 440.894 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

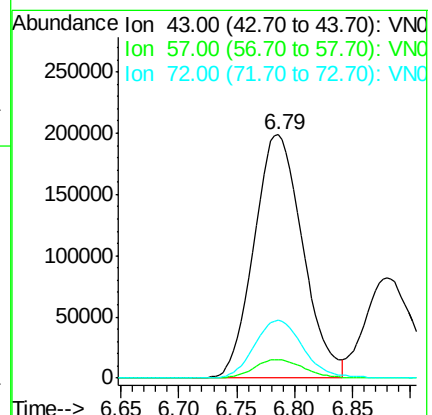
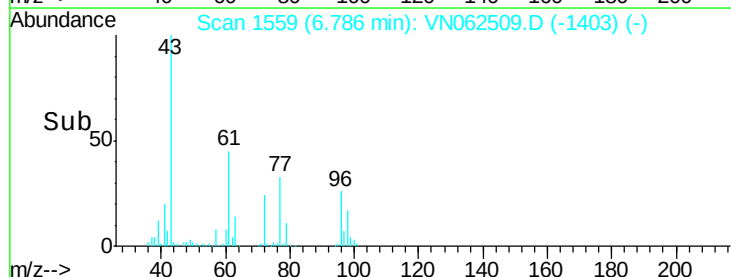
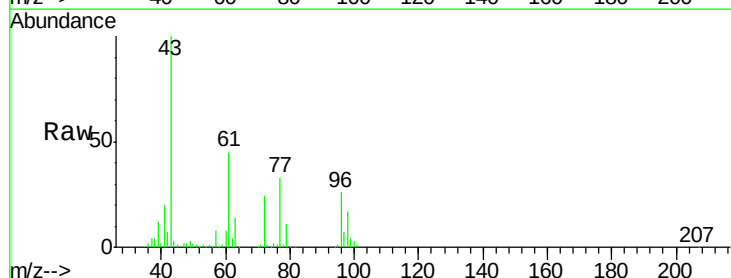
Tgt Ion: 43 Resp: 578658

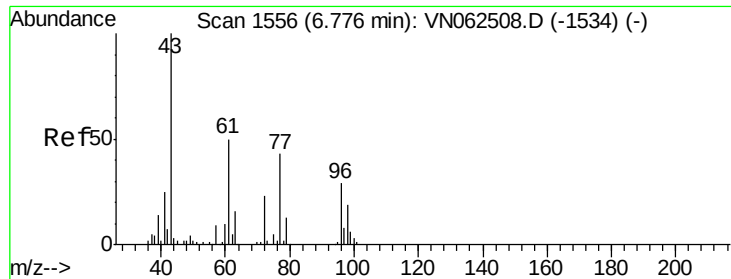
Ion Ratio Lower Upper

43 100

57 7.8 6.6 9.8

72 24.0 18.5 27.7

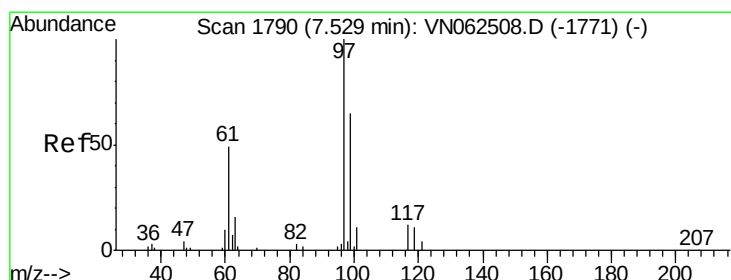
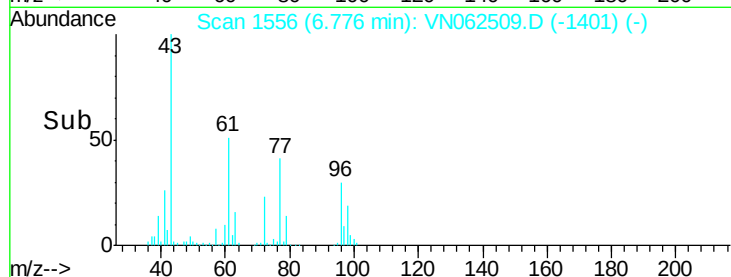
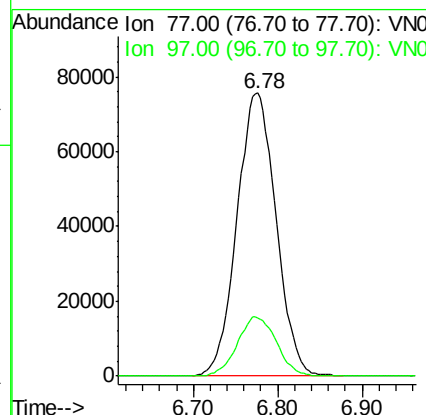
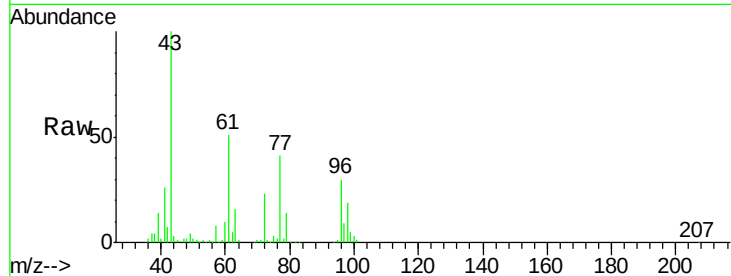




#31
 2,2-Dichloropropane
 Concen: 63.649 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

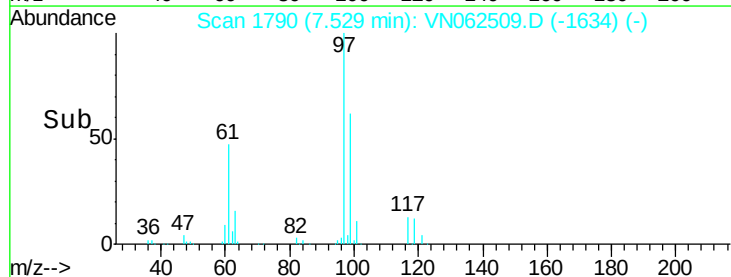
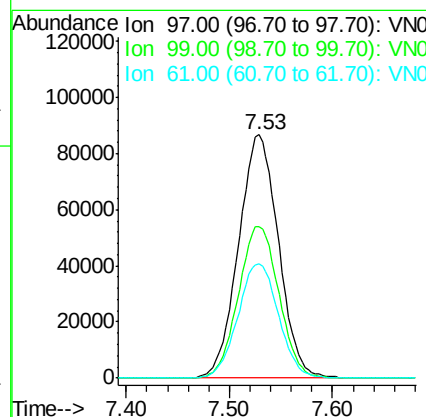
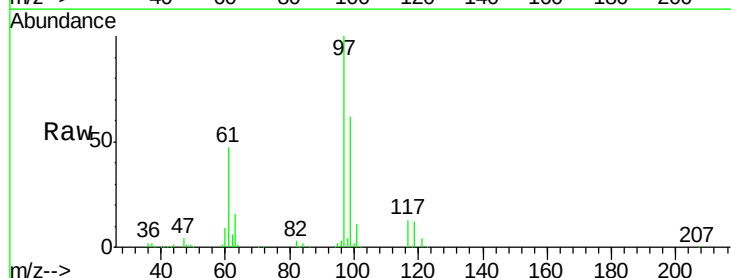
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

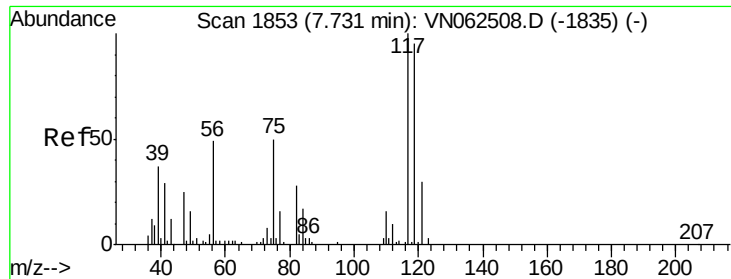
Tgt Ion: 77 Resp: 244002
 Ion Ratio Lower Upper
 77 100
 97 21.0 8.6 12.8#



#32
 1,1,1-Trichloroethane
 Concen: 57.610 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion: 97 Resp: 233452
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.8 77.8
 61 47.8 39.4 59.0

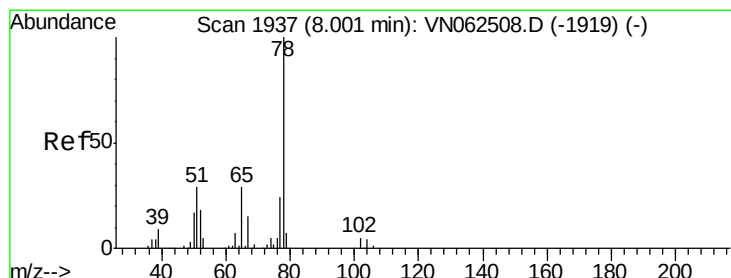
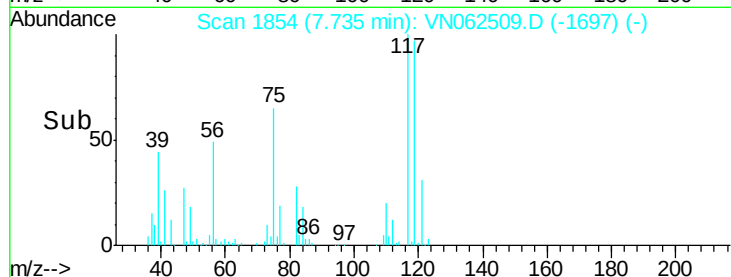
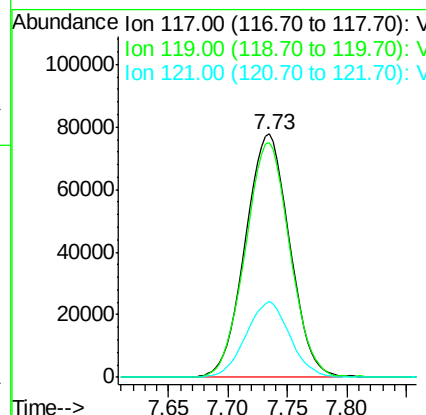
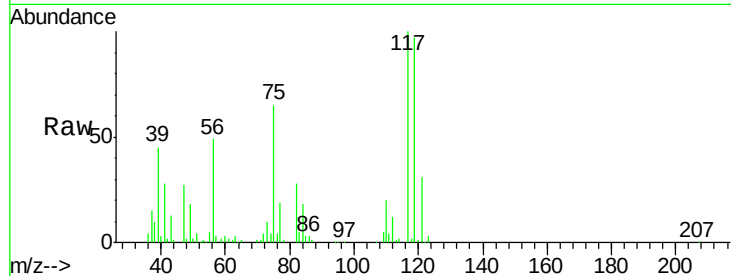




#33
Carbon Tetrachloride
Concen: 59.940 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

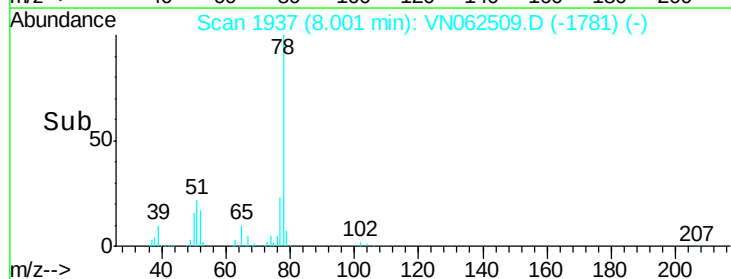
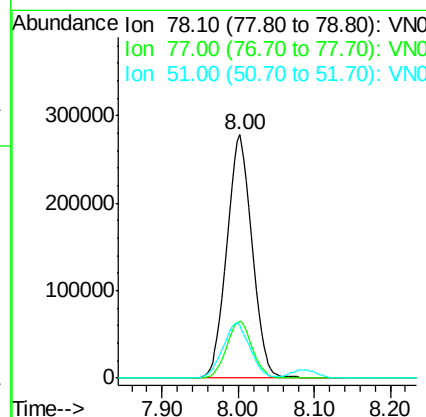
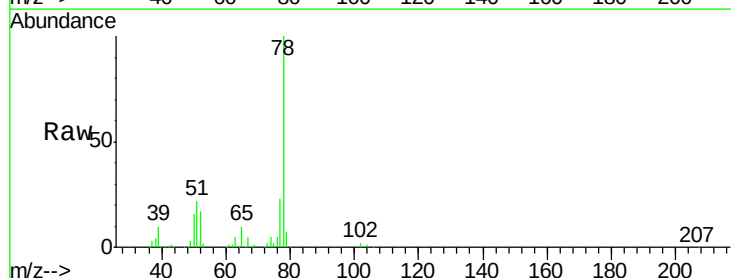
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

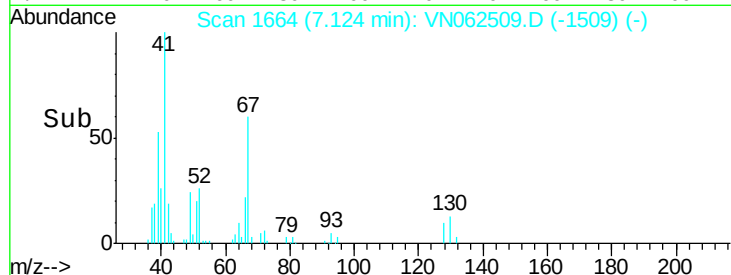
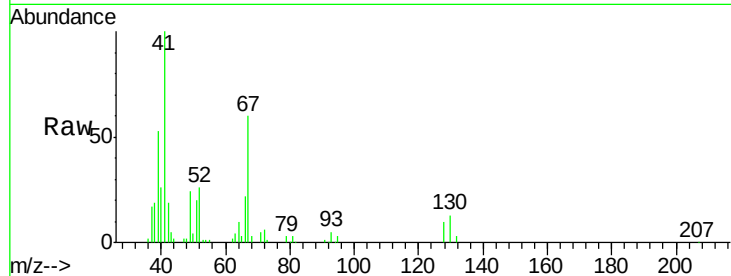
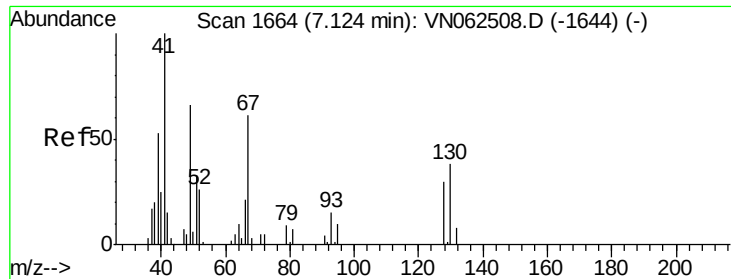
Tgt Ion:117 Resp: 201084
Ion Ratio Lower Upper
117 100
119 96.6 76.2 114.4
121 31.0 23.8 35.6



#34
Benzene
Concen: 63.593 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion: 78 Resp: 645314
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3
51 21.7 23.1 34.7#

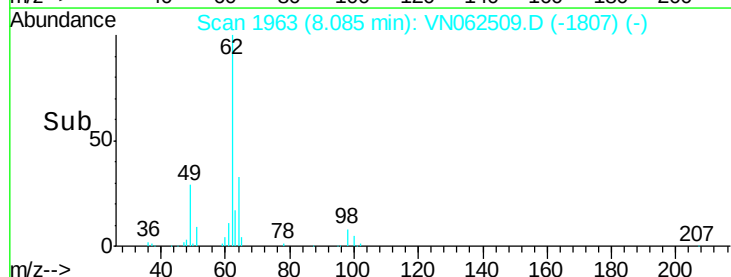
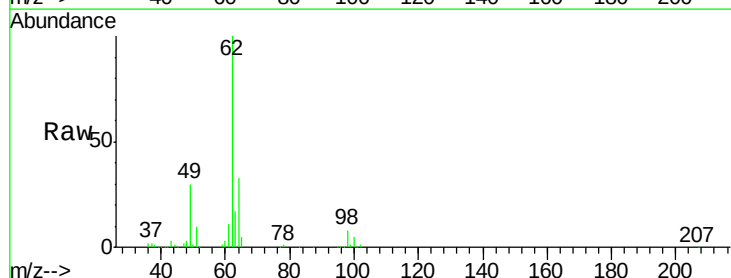
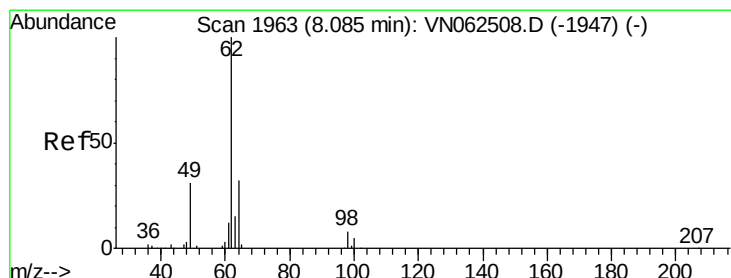
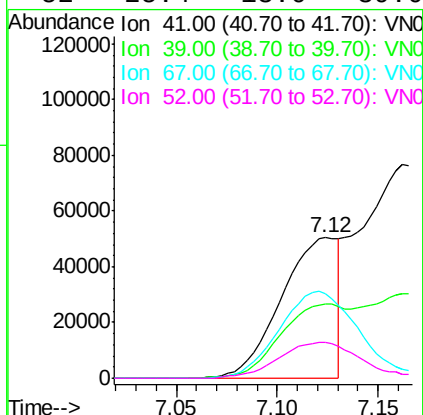




#35
Methacrylonitrile
Concen: 84.943 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

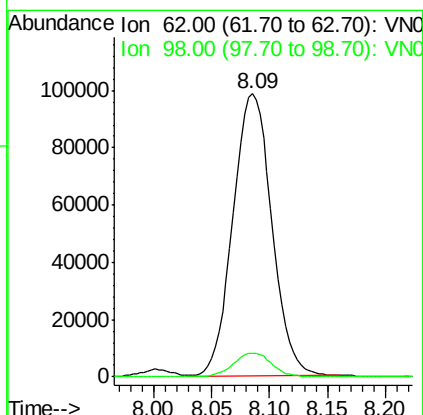
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

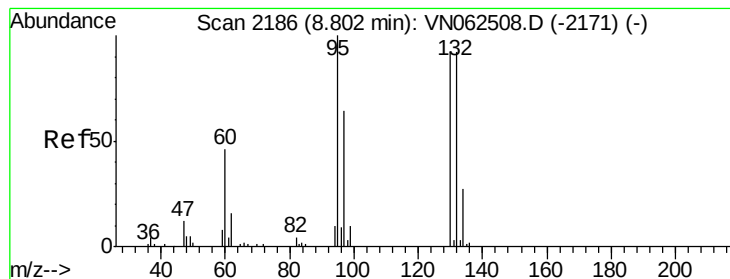
Tgt Ion: 41 Resp: 98542
Ion Ratio Lower Upper
41 100
39 52.7 26.5 79.5
67 59.9 30.7 92.1
52 25.4 13.0 39.0



#36
1,2-Dichloroethane
Concen: 68.345 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion: 62 Resp: 230436
Ion Ratio Lower Upper
62 100
98 8.2 6.6 9.8





#37

Trichloroethene

Concen: 48.924 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

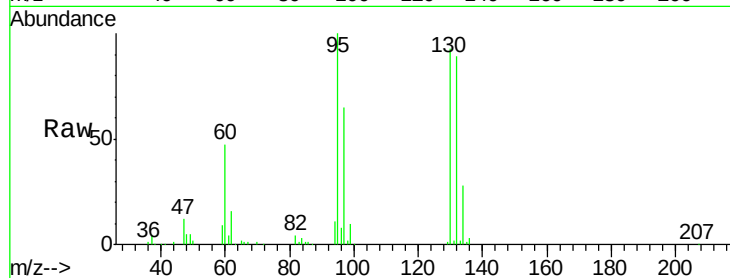
VSTDIC050

Tgt Ion:130 Resp: 145174

Ion Ratio Lower Upper

130 100

95 107.6 86.5 129.7



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

80000

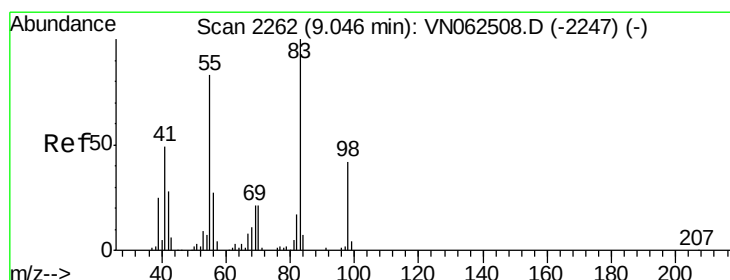
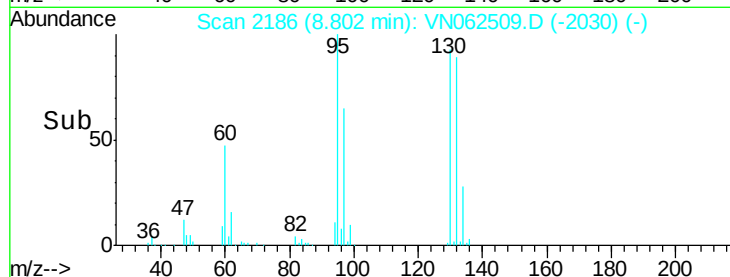
60000

40000

20000

0

Time--> 8.70 8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 66.171 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

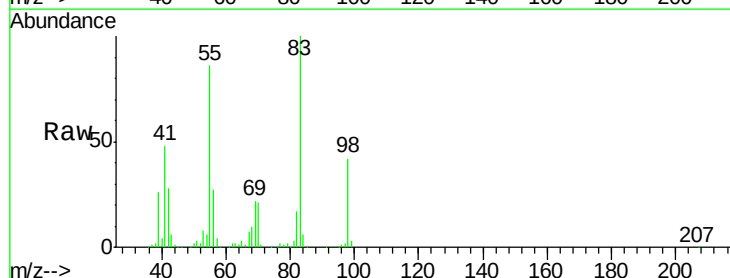
Tgt Ion: 83 Resp: 241986

Ion Ratio Lower Upper

83 100

55 85.3 42.8 128.3

98 43.3 21.9 65.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.05

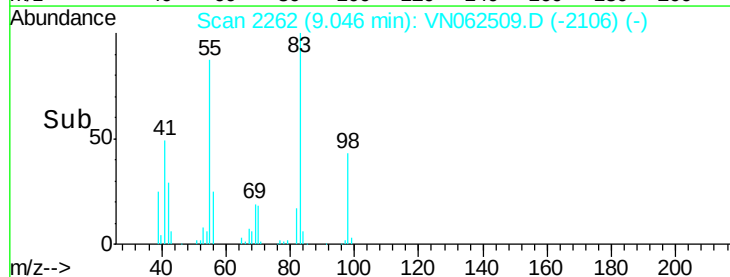
150000

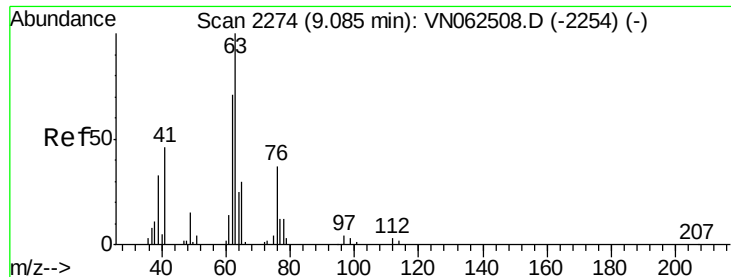
100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15





#39

1,2-Dichloropropane

Concen: 71.904 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

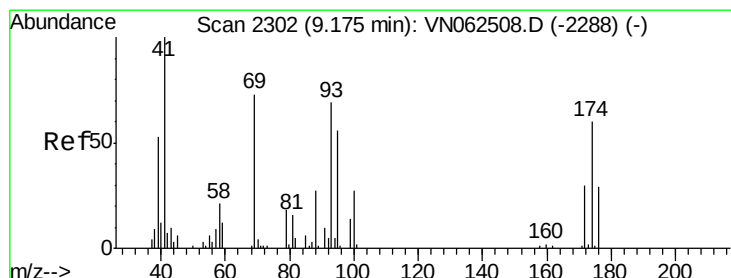
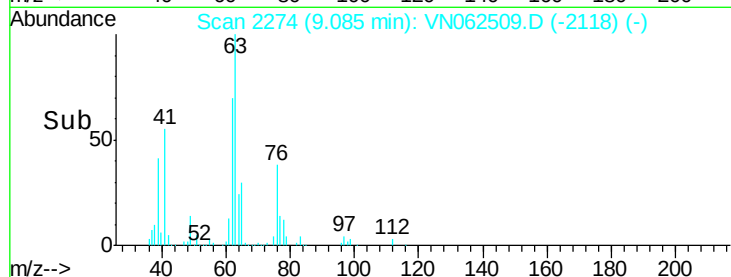
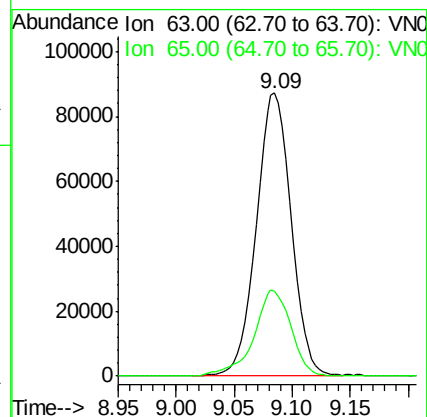
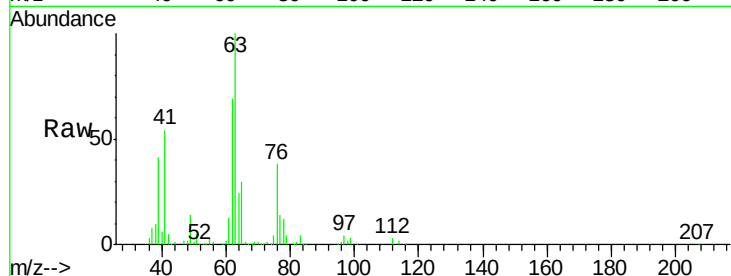
VSTDIC050

Tgt Ion: 63 Resp: 183218

Ion Ratio Lower Upper

63 100

65 29.7 24.2 36.4



#40

Dibromomethane

Concen: 58.365 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

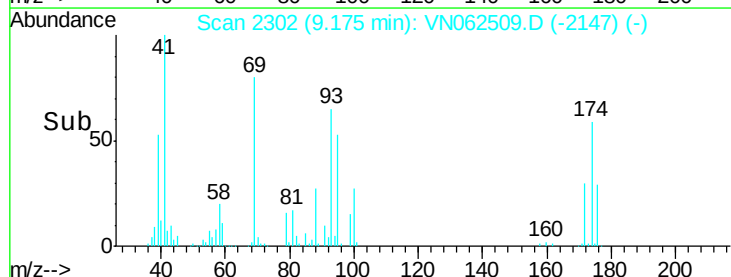
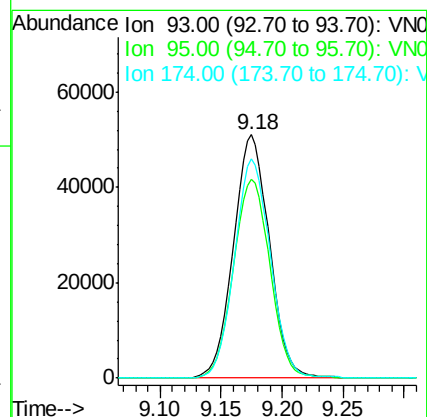
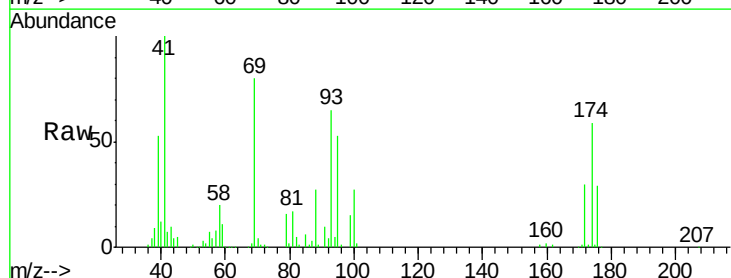
Tgt Ion: 93 Resp: 104741

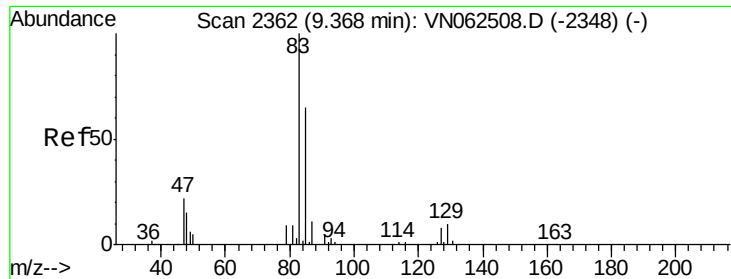
Ion Ratio Lower Upper

93 100

95 83.0 0.0 161.2

174 89.9 0.0 178.0

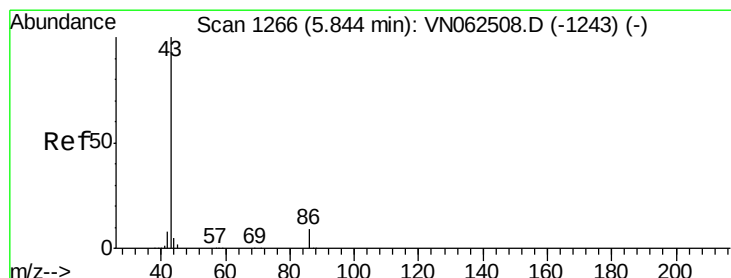
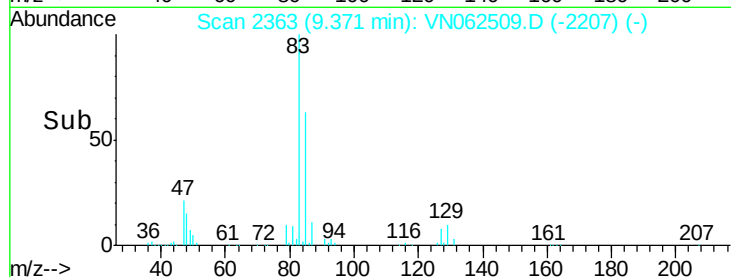
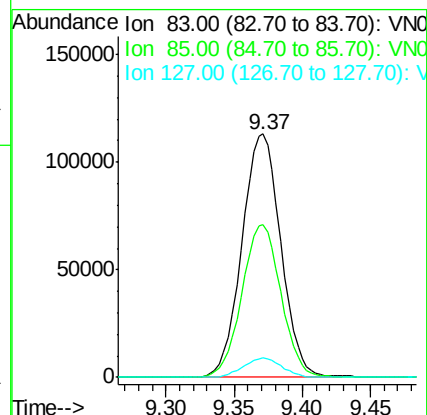
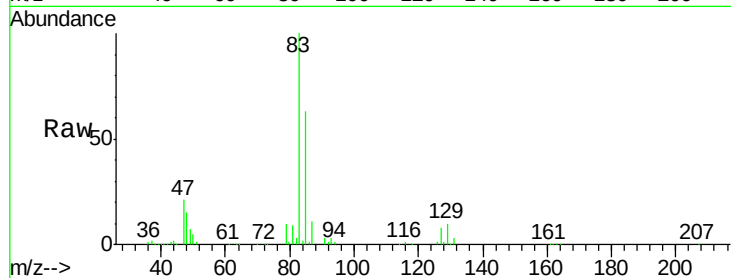




#41
 Bromodichloromethane
 Concen: 60.936 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

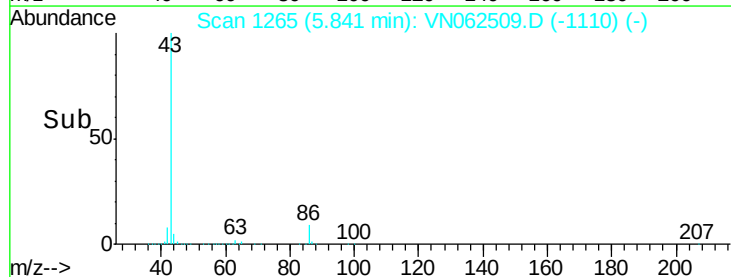
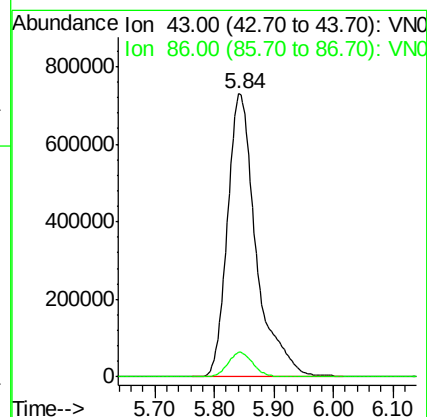
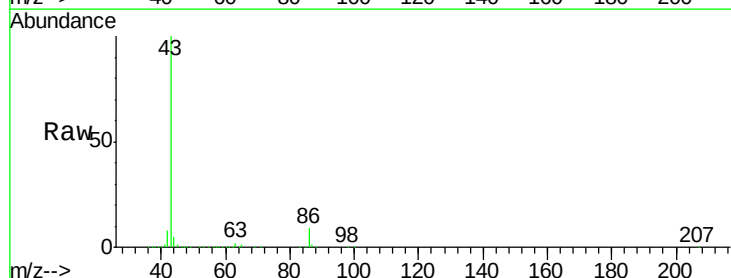
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

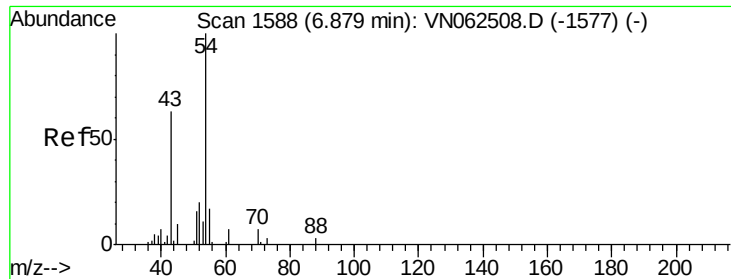
Tgt Ion: 83 Resp: 223808
 Ion Ratio Lower Upper
 83 100
 85 62.6 51.6 77.4
 127 7.9 6.3 9.5



#42
 Vinyl Acetate
 Concen: 458.635 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion: 43 Resp: 2447037
 Ion Ratio Lower Upper
 43 100
 86 7.5 6.1 9.1





#43

Ethyl Acetate

Concen: 87.662 ug/l

RT: 6.88 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

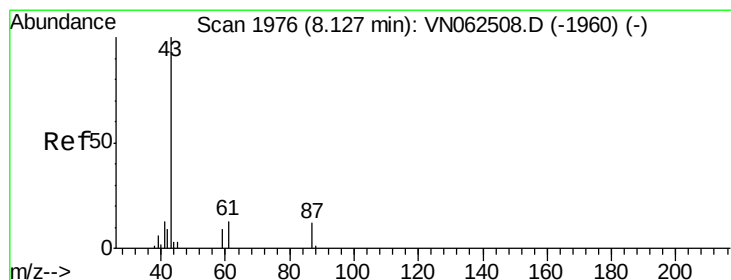
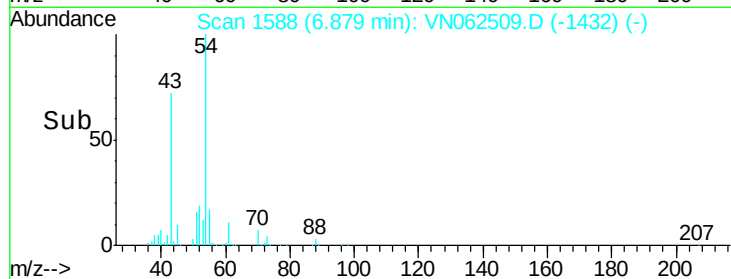
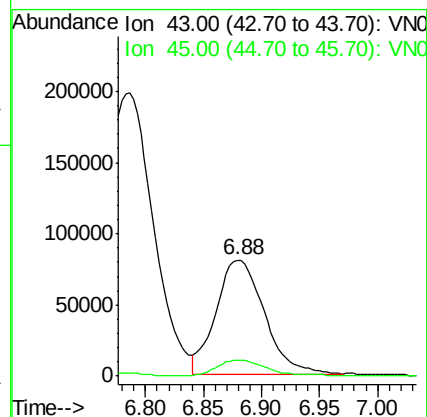
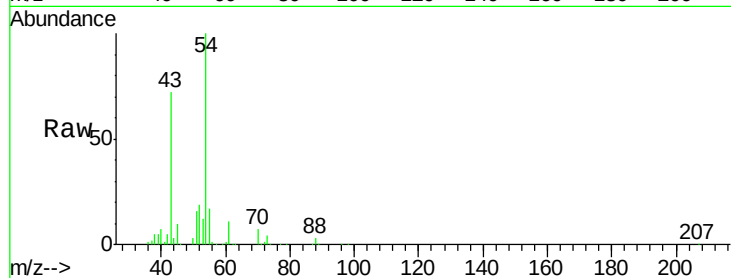
VSTDIC050

Tgt Ion: 43 Resp: 231725

Ion Ratio Lower Upper

43 100

45 13.5 10.2 15.4



#44

Isopropyl Acetate

Concen: 85.582 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062509.D

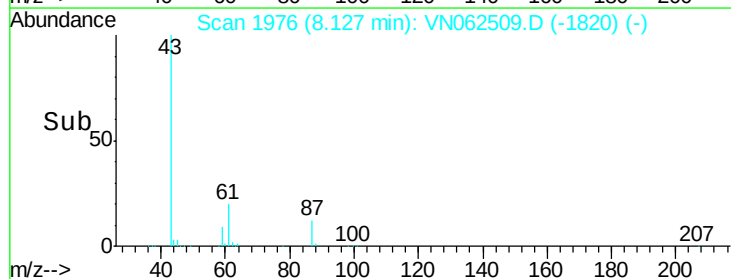
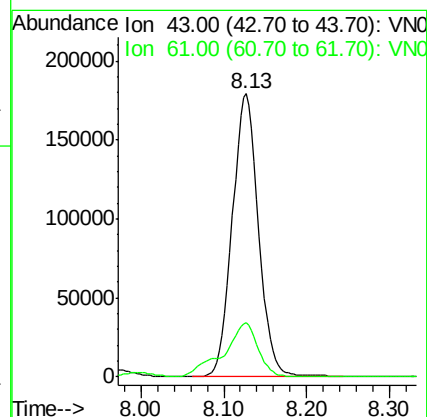
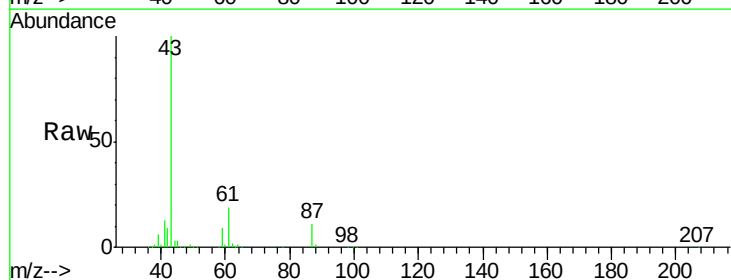
Acq: 13 Jul 2020 10:24

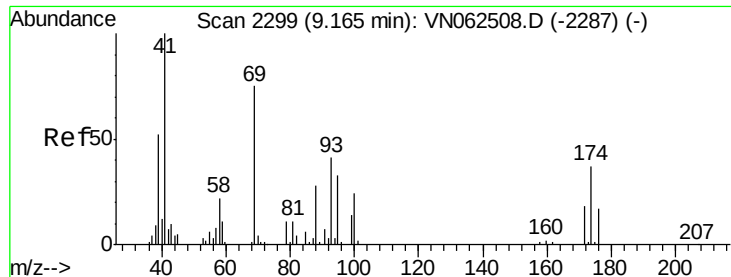
Tgt Ion: 43 Resp: 393516

Ion Ratio Lower Upper

43 100

61 19.1 14.7 22.1

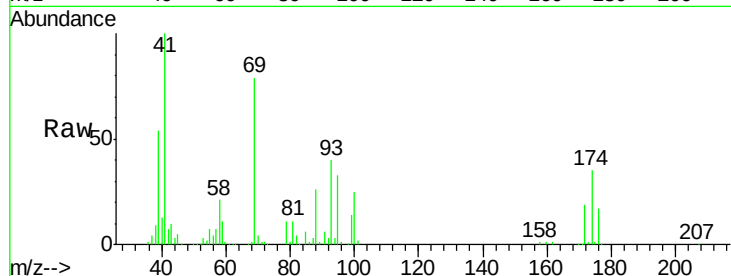




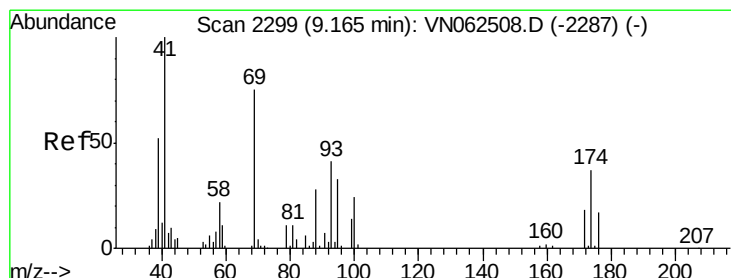
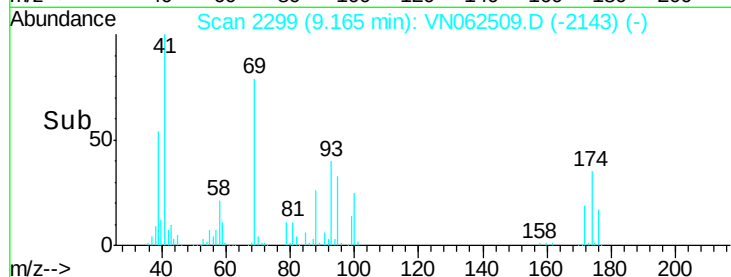
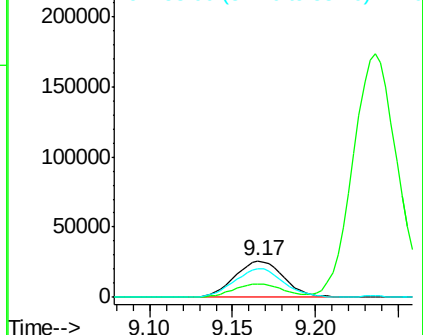
#45
 1,4-Dioxane
 Concen: 1242.641 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 88 Resp: 53540
 Ion Ratio Lower Upper
 88 100
 43 37.4 29.2 43.8
 58 78.9 62.2 93.4

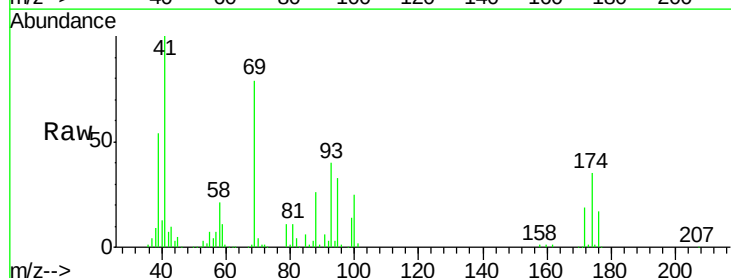


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

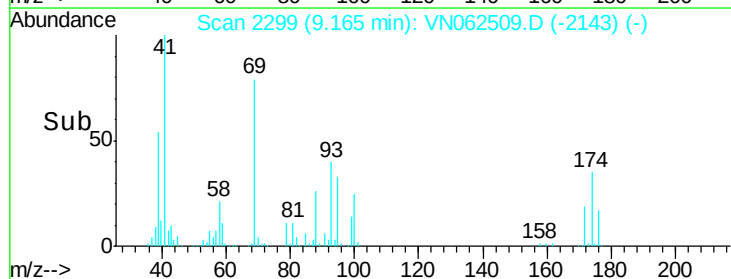
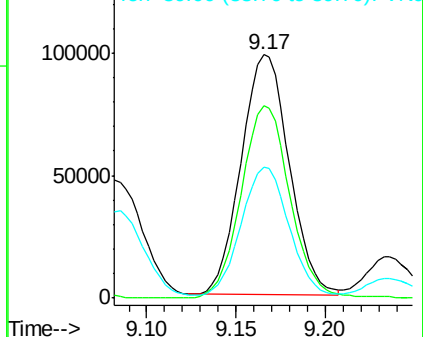


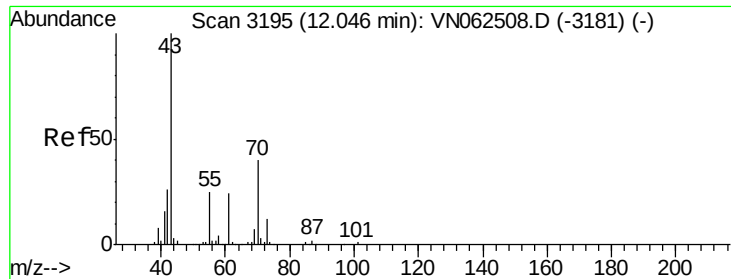
#46
 Methyl methacrylate
 Concen: 89.252 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion: 41 Resp: 184747
 Ion Ratio Lower Upper
 41 100
 69 79.8 37.4 112.2
 39 53.6 25.9 77.6



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-amy1 Acetate

Concen: 87.773 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

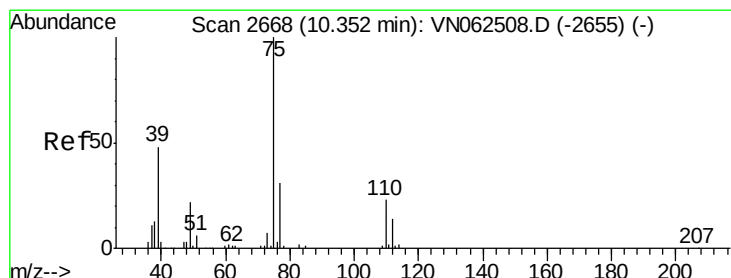
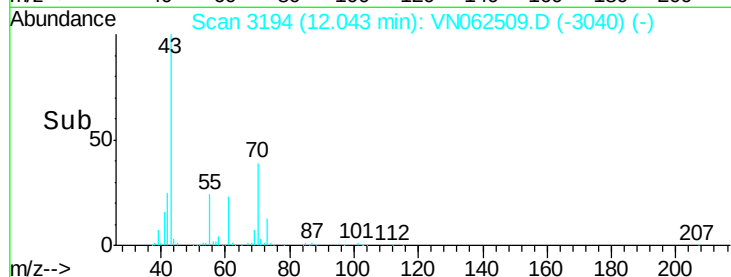
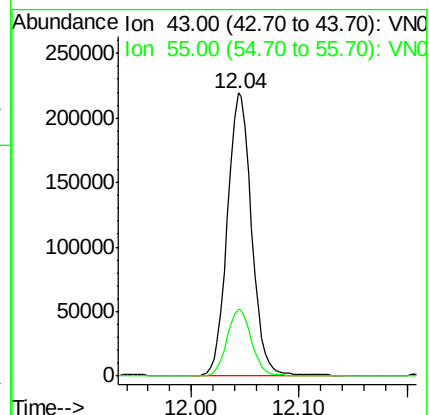
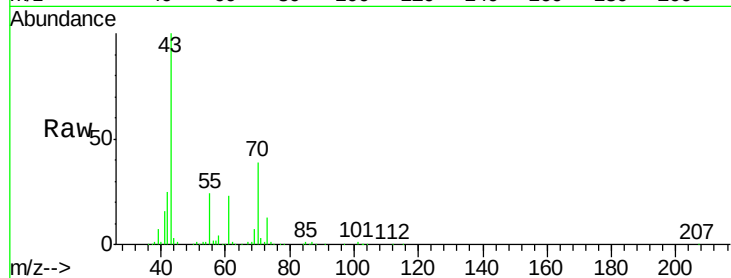
VSTDIC050

Tgt Ion: 43 Resp: 342895

Ion Ratio Lower Upper

43 100

55 23.9 20.4 30.6



#48

t-1,3-Dichloropropene

Concen: 67.775 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062509.D

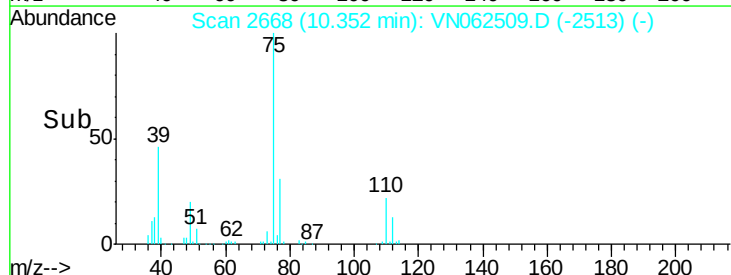
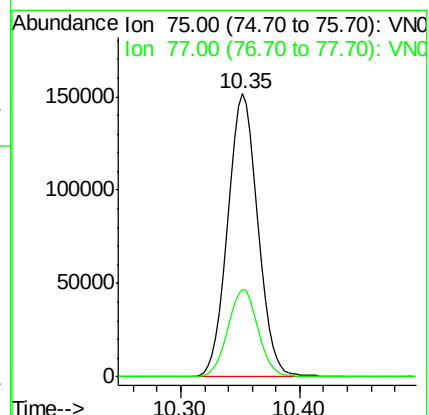
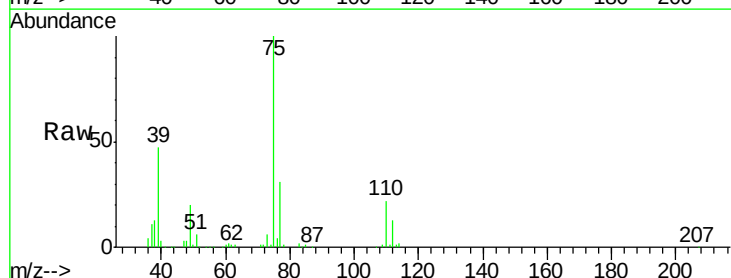
Acq: 13 Jul 2020 10:24

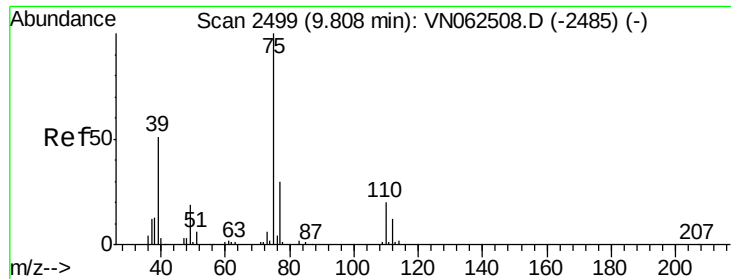
Tgt Ion: 75 Resp: 266565

Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4



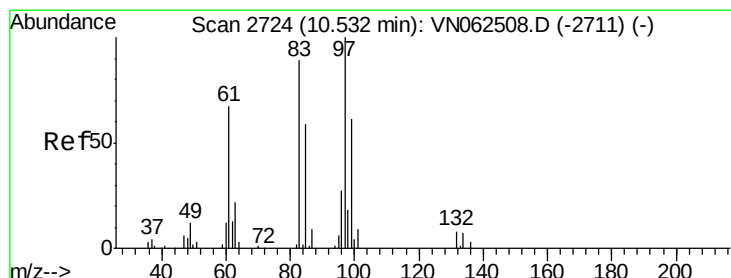
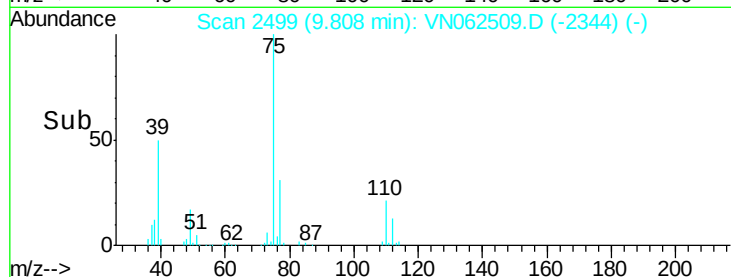
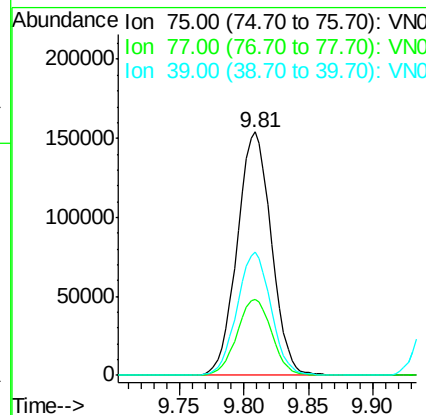
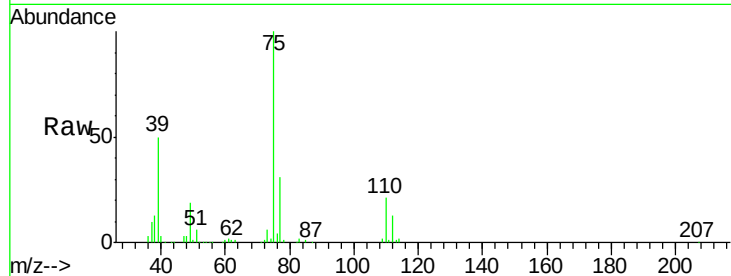


#49

cis-1,3-Dichloropropene
 Concen: 66.354 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

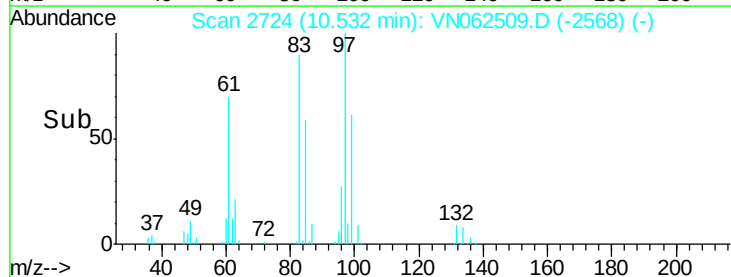
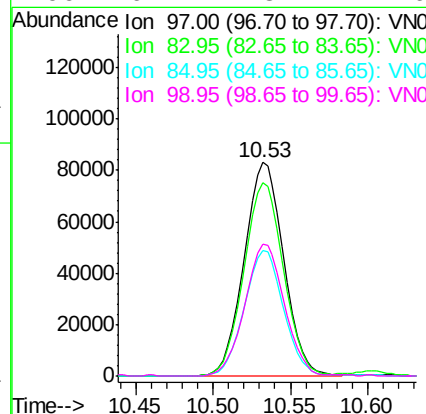
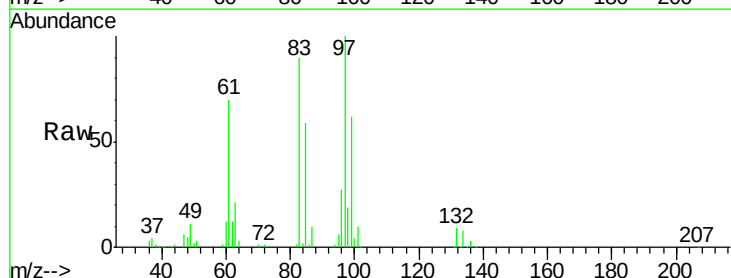
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	23.7	35.5
39	50.4	40.5	60.7

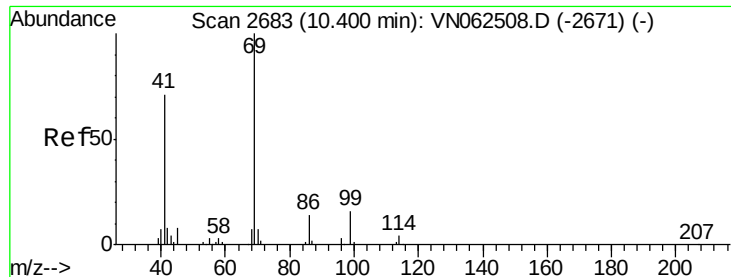


#50

1,1,2-Trichloroethane
 Concen: 56.884 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.3	71.3	106.9
85	59.0	47.2	70.8
99	61.7	48.4	72.6





#51

Ethyl methacrylate

Concen: 71.814 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

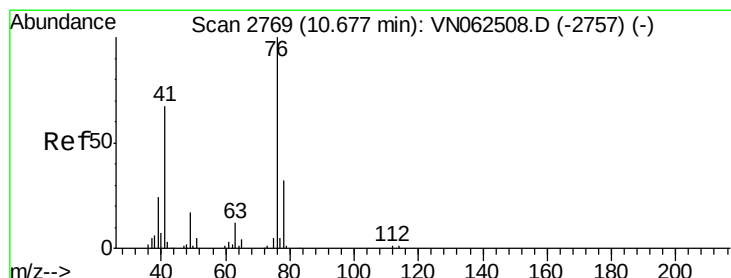
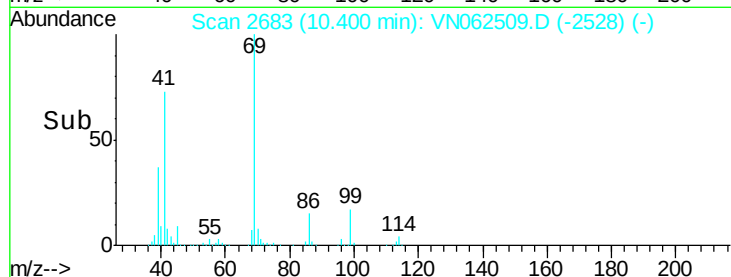
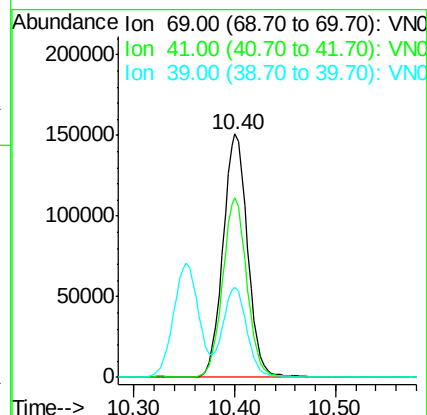
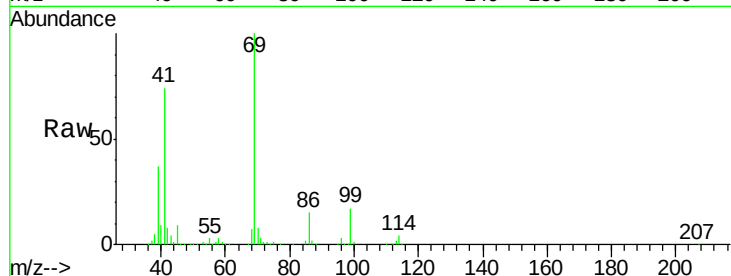
Tgt Ion: 69 Resp: 257181

Ion Ratio Lower Upper

69 100

41 73.4 35.6 106.8

39 36.9 17.2 51.5



#52

1,3-Dichloropropane

Concen: 63.795 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062509.D

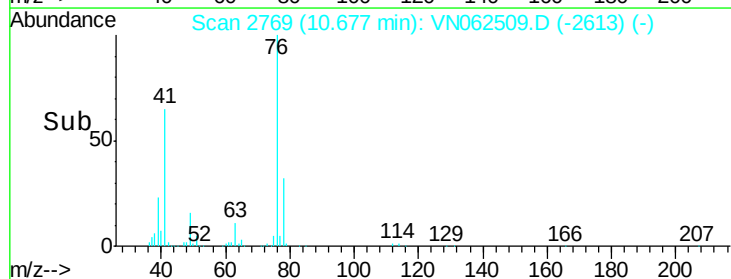
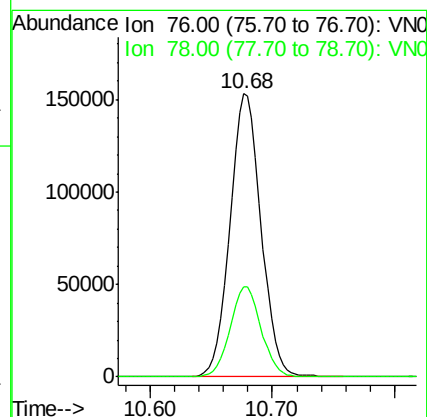
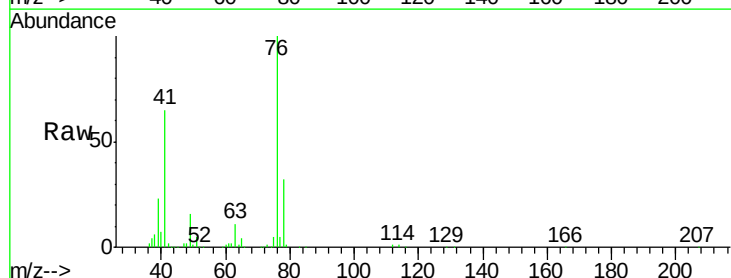
Acq: 13 Jul 2020 10:24

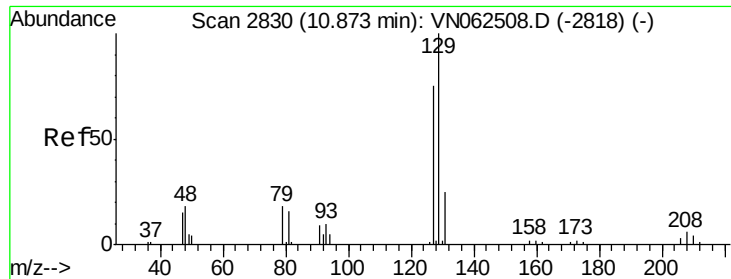
Tgt Ion: 76 Resp: 272200

Ion Ratio Lower Upper

76 100

78 31.8 0.0 63.6

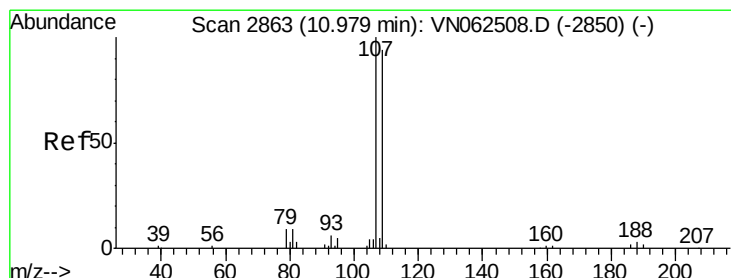
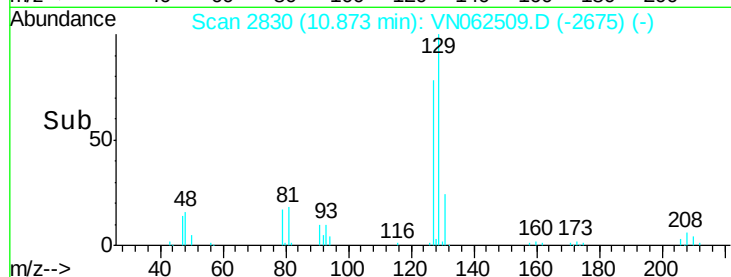
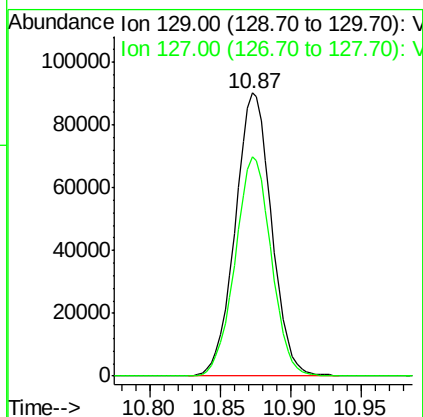
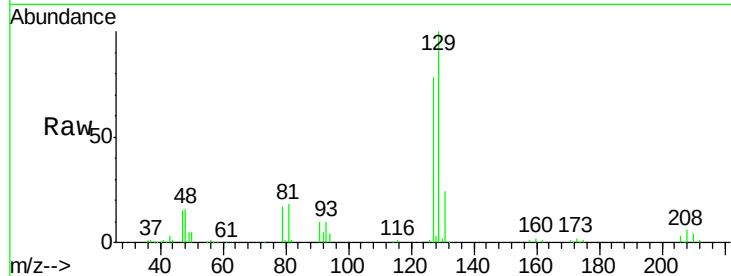




#53
Dibromochloromethane
Concen: 53.886 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

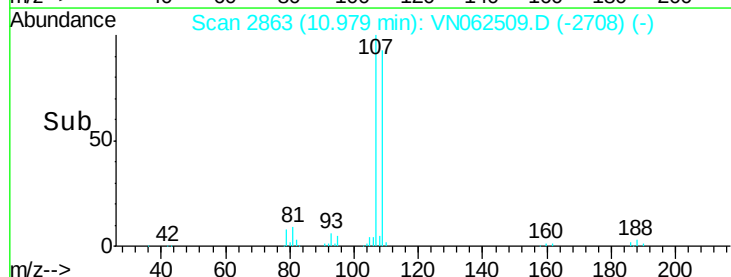
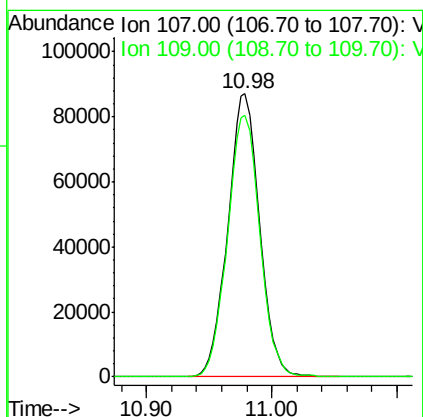
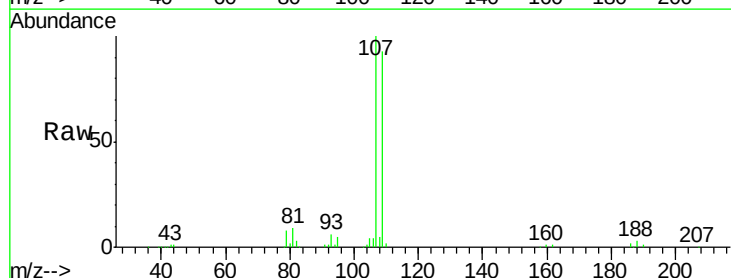
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

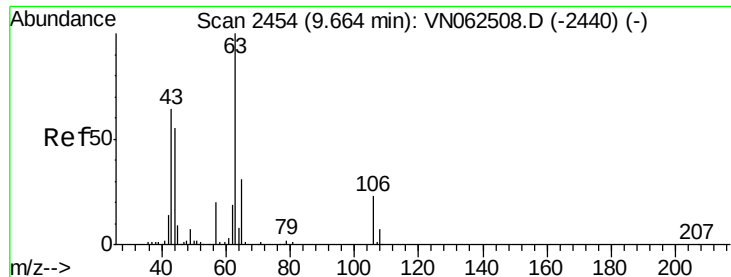
Tgt Ion:129 Resp: 162439
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.5



#54
1,2-Dibromoethane
Concen: 56.868 ug/l
RT: 10.98 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion:107 Resp: 152890
Ion Ratio Lower Upper
107 100
109 94.1 74.8 112.2

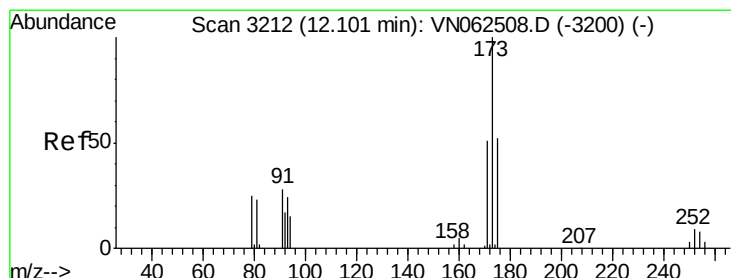
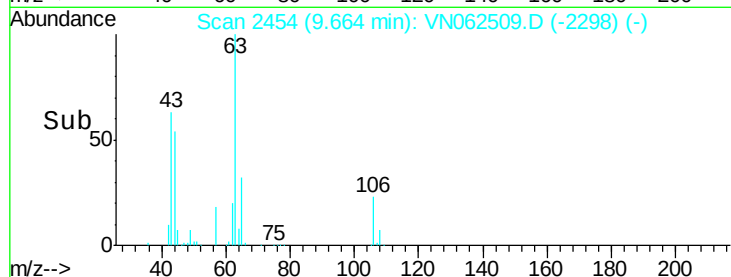
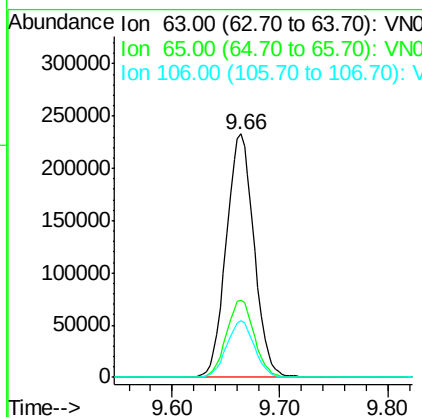
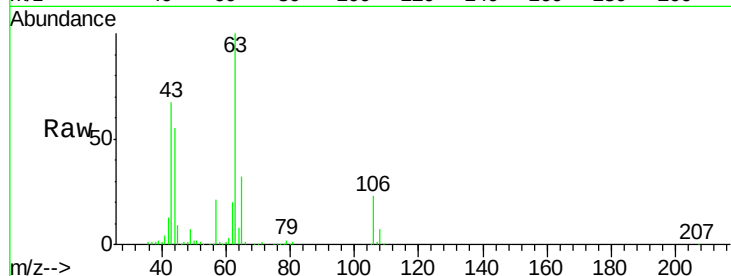




#55
 2-Chloroethyl vinyl ether
 Concen: 317.145 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

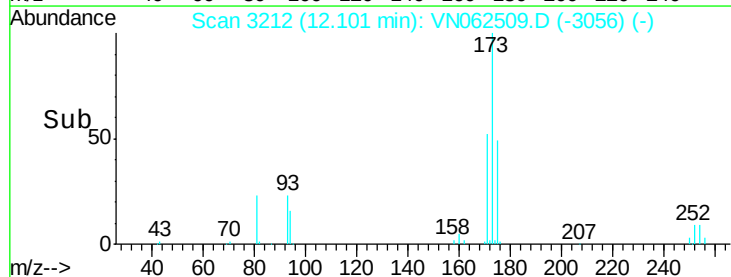
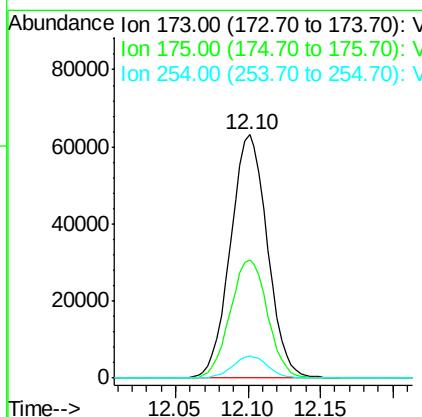
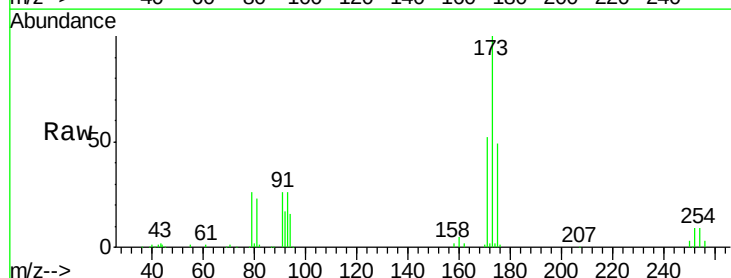
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

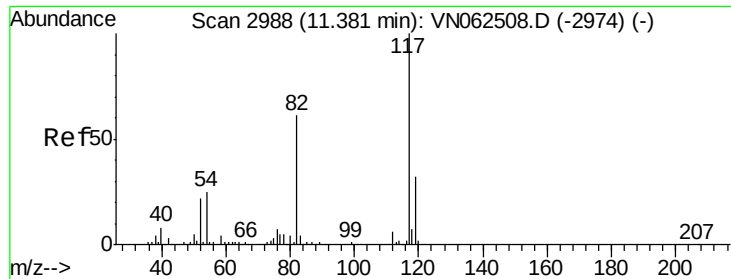
Tgt Ion: 63 Resp: 418363
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.4 38.2
 106 23.0 18.4 27.6



#56
 Bromoform
 Concen: 53.010 ug/l
 RT: 12.10 min Scan# 3212
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion: 173 Resp: 111685
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.1 57.1
 254 8.6 6.2 9.2

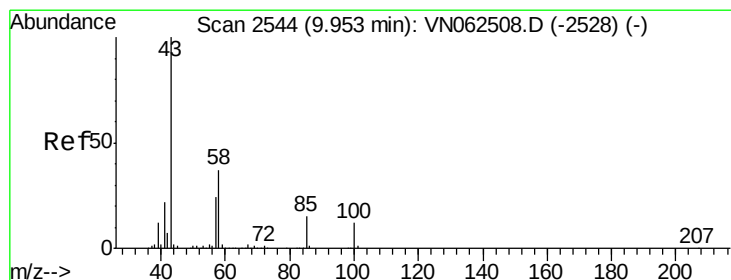
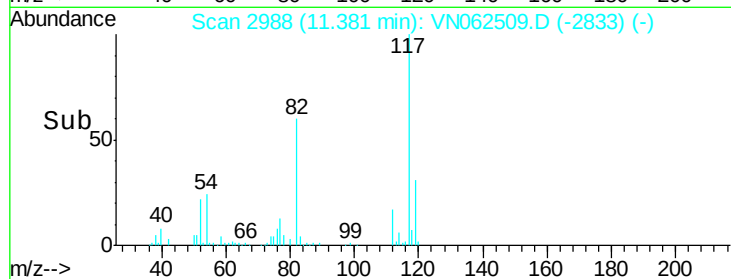
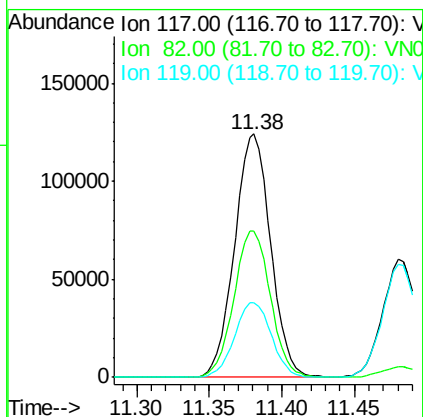
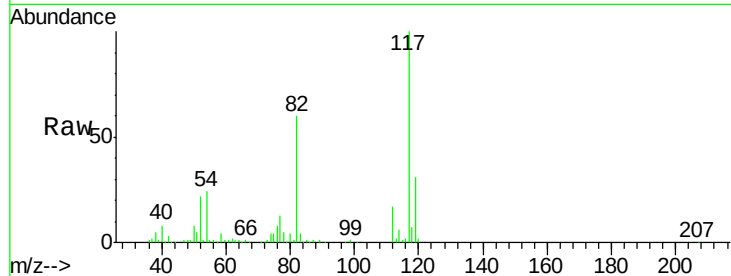




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

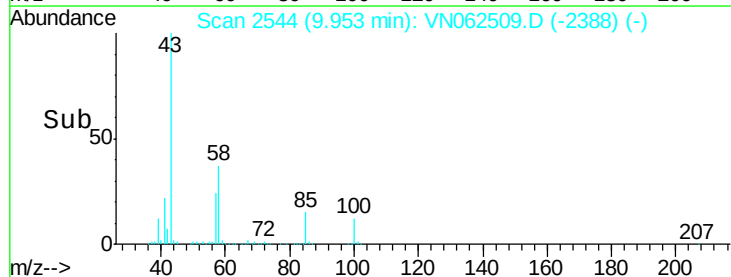
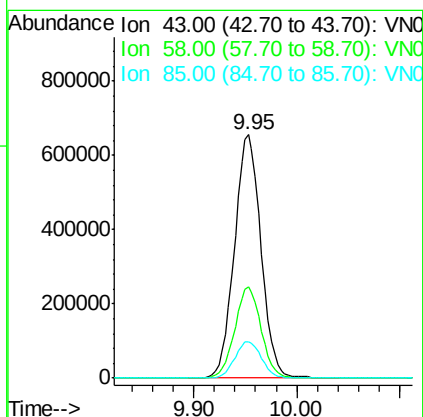
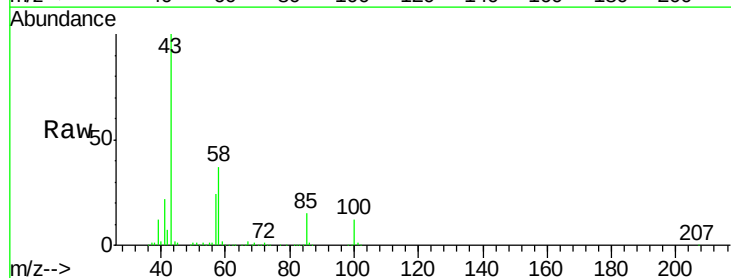
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

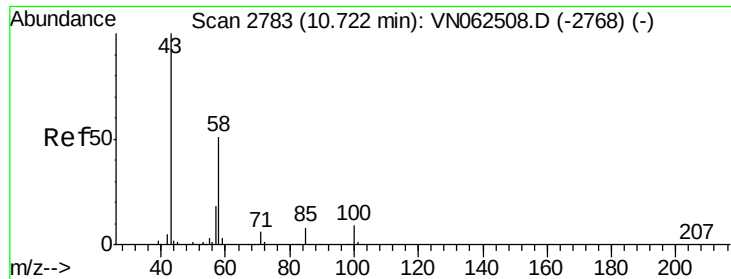
Tgt Ion: 117 Resp: 214547
Ion Ratio Lower Upper
117 100
82 60.9 49.0 73.6
119 31.3 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 436.899 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion: 43 Resp: 1172217
Ion Ratio Lower Upper
43 100
58 37.3 29.6 44.4
85 15.2 12.0 18.0

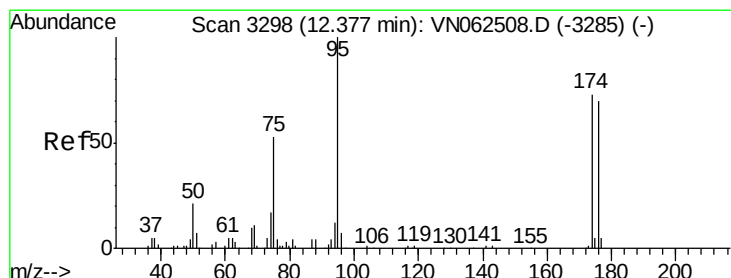
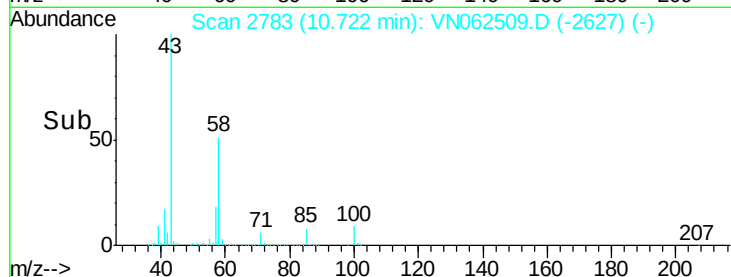
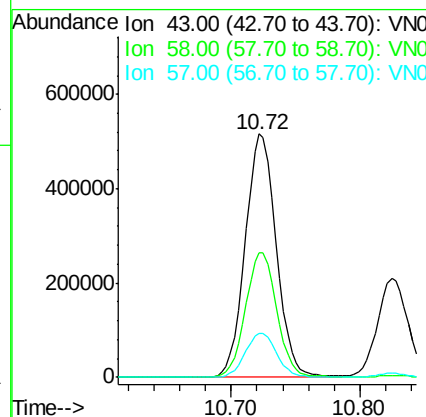
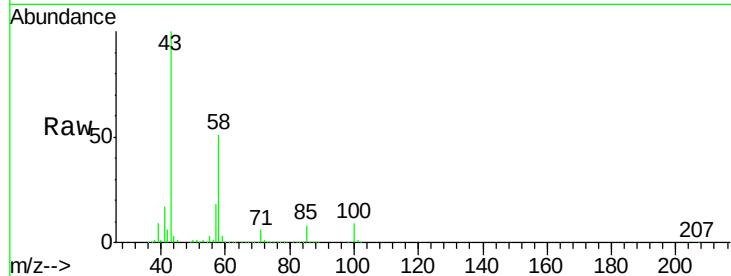




#59
2-Hexanone
Concen: 441.343 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

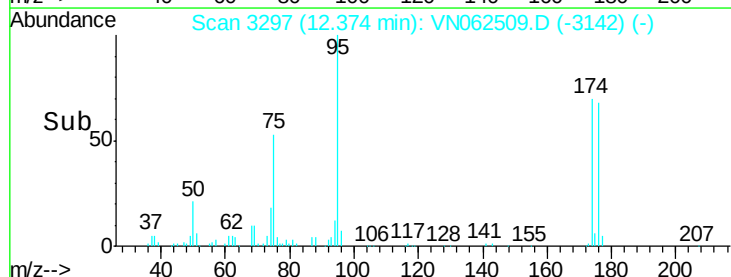
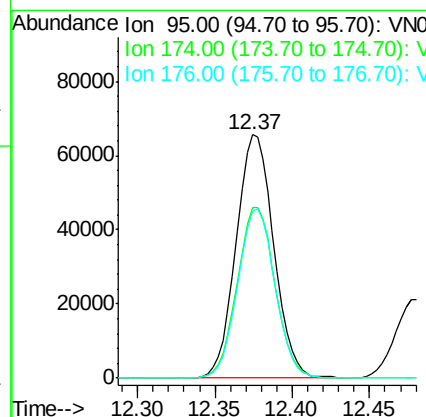
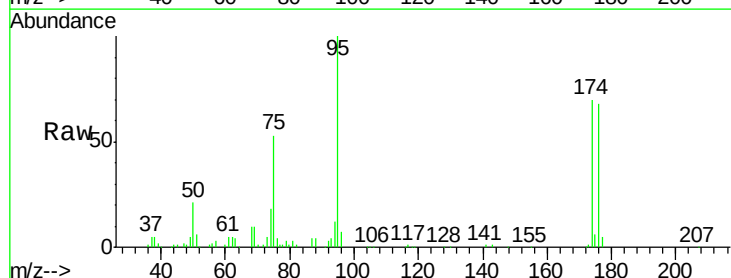
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

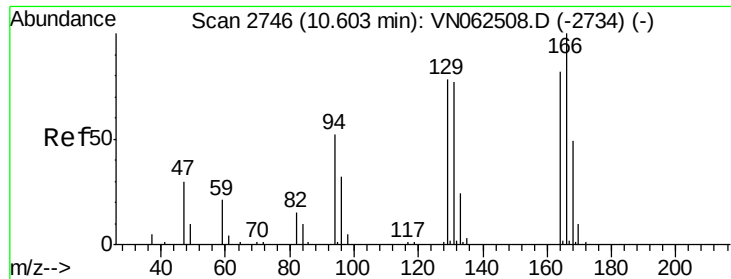
Tgt Ion: 43 Resp: 864465
Ion Ratio Lower Upper
43 100
58 51.9 41.2 61.8
57 18.4 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 33.977 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion: 95 Resp: 110625
Ion Ratio Lower Upper
95 100
174 70.7 57.5 86.3
176 69.1 56.3 84.5

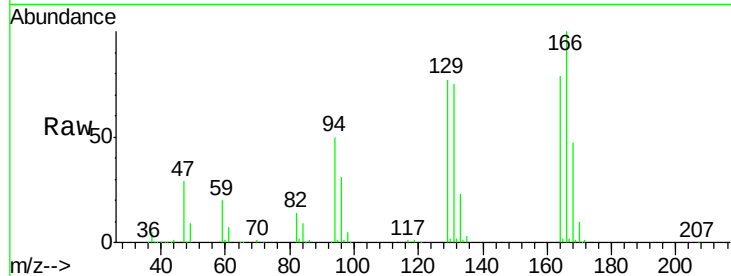




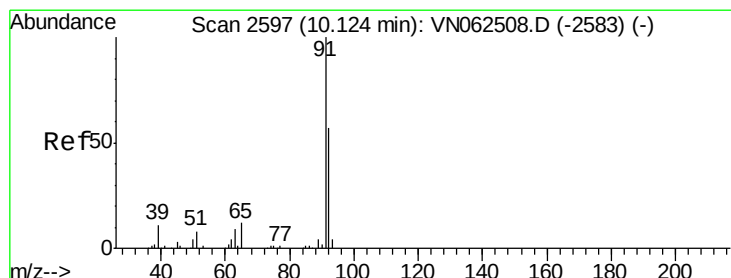
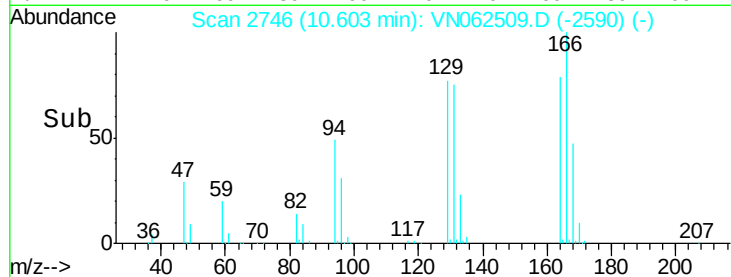
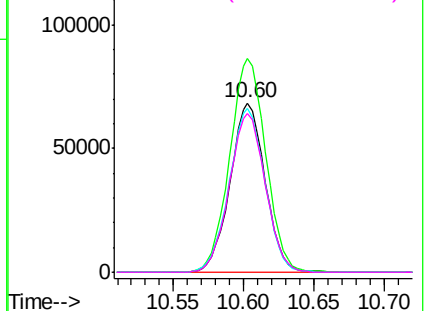
#61
Tetrachloroethene
Concen: 38.153 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tgt Ion:164 Resp: 118480
Ion Ratio Lower Upper
164 100
166 125.9 97.7 146.5
129 96.7 77.0 115.4
131 94.1 75.0 112.6

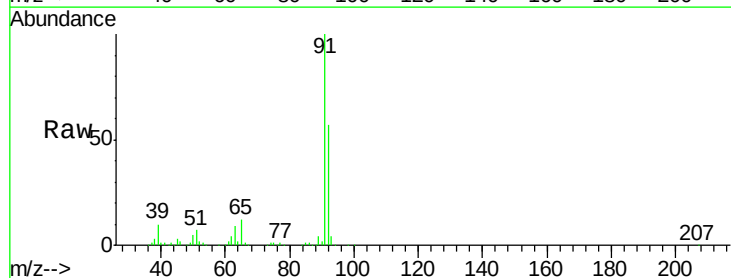


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

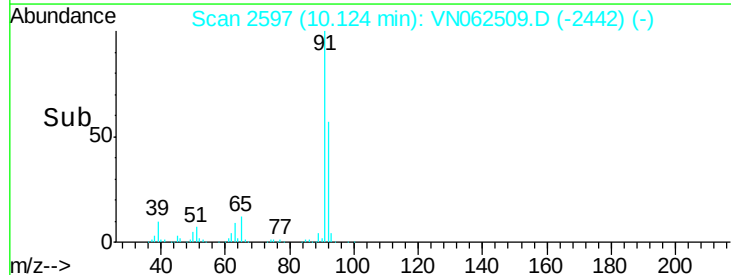
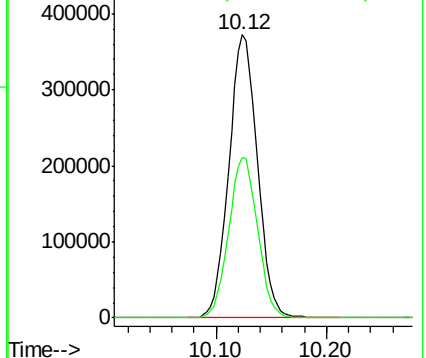


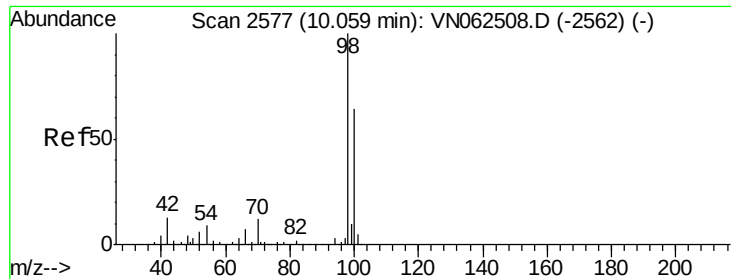
#62
Toluene
Concen: 59.396 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion: 91 Resp: 667709
Ion Ratio Lower Upper
91 100
92 57.5 45.8 68.6



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





#63

Toluene-d8

Concen: 32.412 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

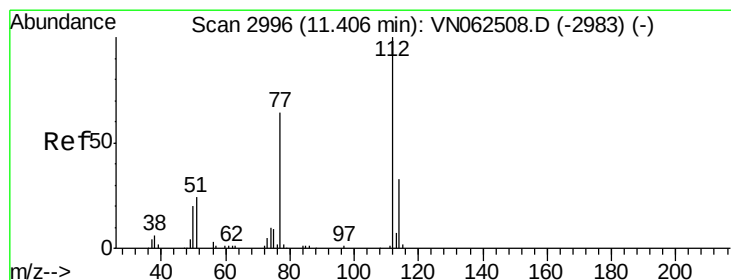
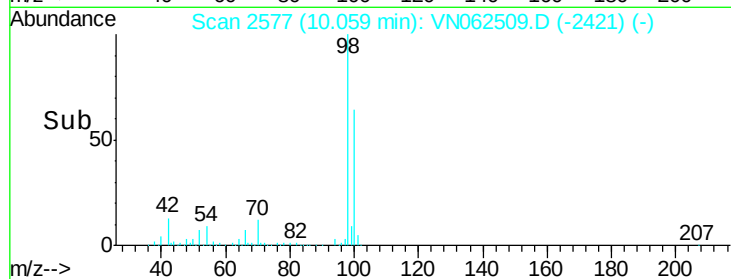
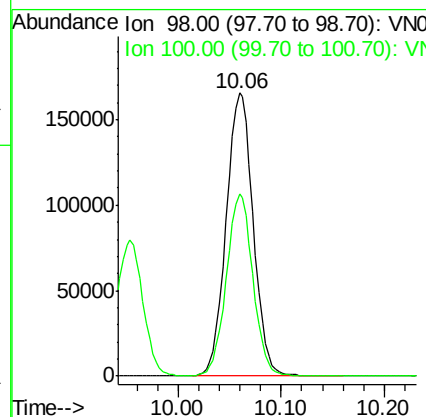
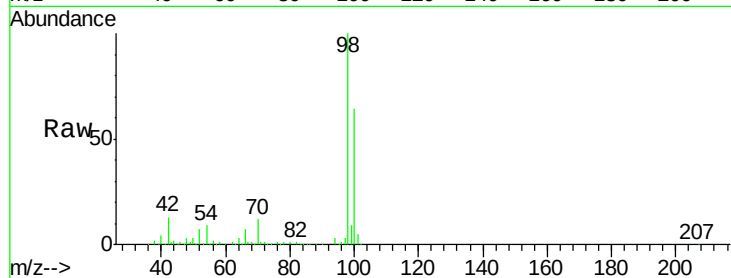
VSTDIC050

Tgt Ion: 98 Resp: 302445

Ion Ratio Lower Upper

98 100

100 63.3 50.4 75.6



#64

Chlorobenzene

Concen: 55.266 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062509.D

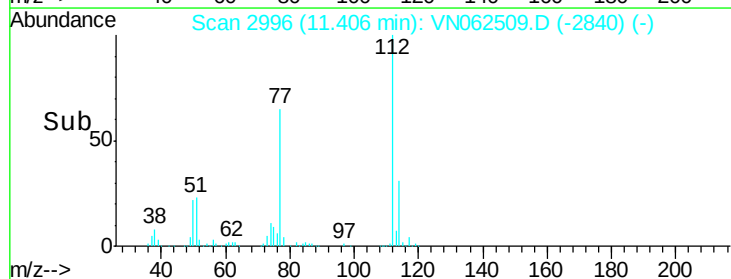
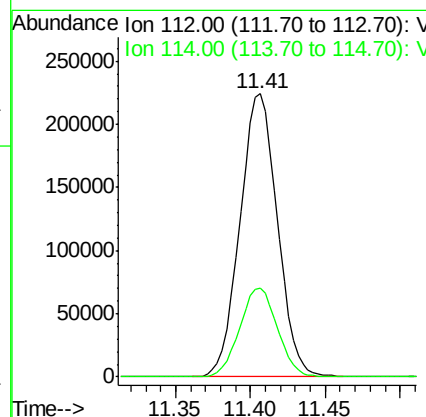
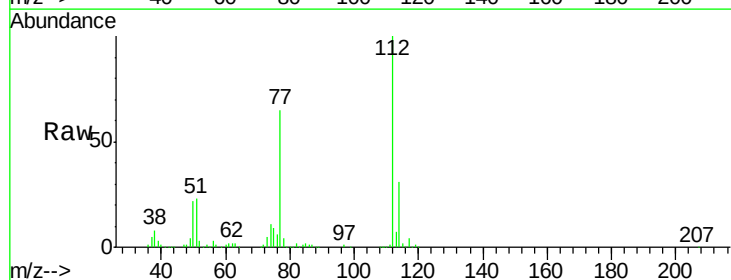
Acq: 13 Jul 2020 10:24

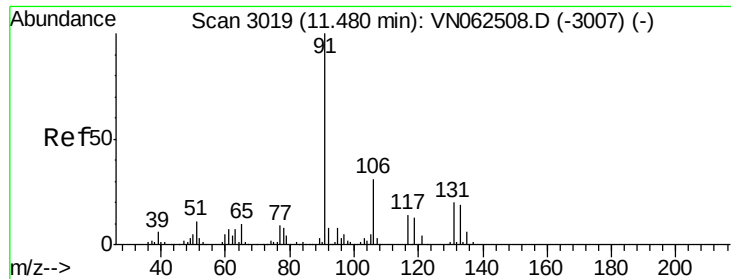
Tgt Ion: 112 Resp: 390867

Ion Ratio Lower Upper

112 100

114 31.4 26.0 39.0





#65

1,1,1,2-Tetrachloroethane

Concen: 53.632 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

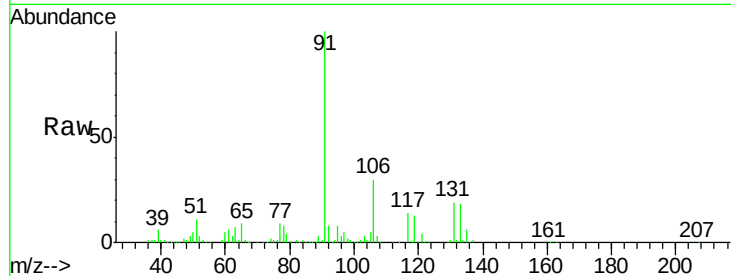
Tgt Ion:131 Resp: 144437

Ion Ratio Lower Upper

131 100

133 95.5 0.0 191.4

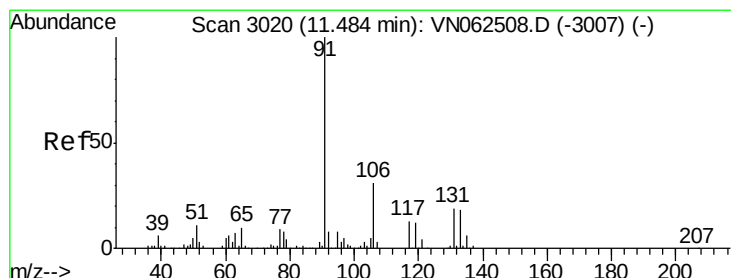
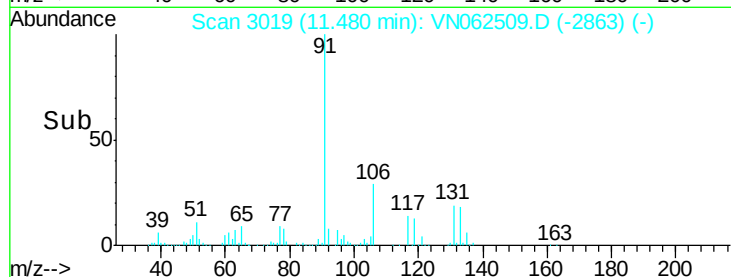
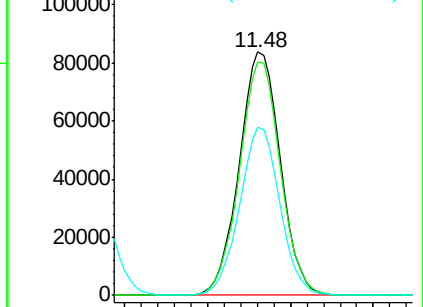
119 67.6 0.0 136.2



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: 60.444 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062509.D

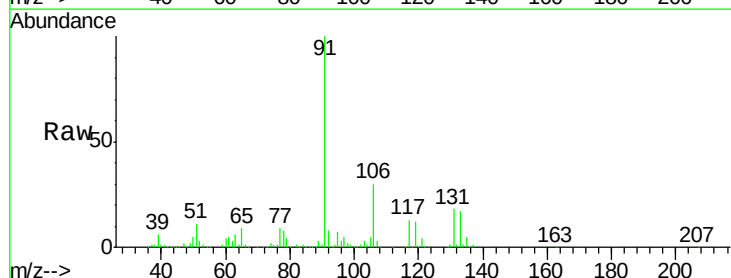
Acq: 13 Jul 2020 10:24

Tgt Ion: 91 Resp: 745692

Ion Ratio Lower Upper

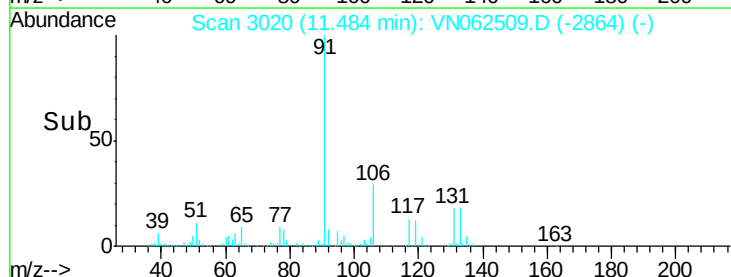
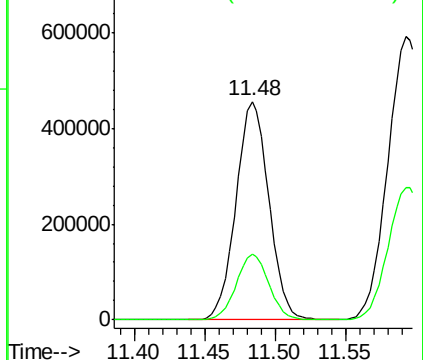
91 100

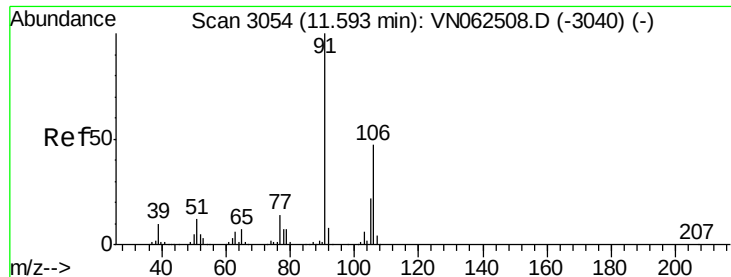
106 29.9 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

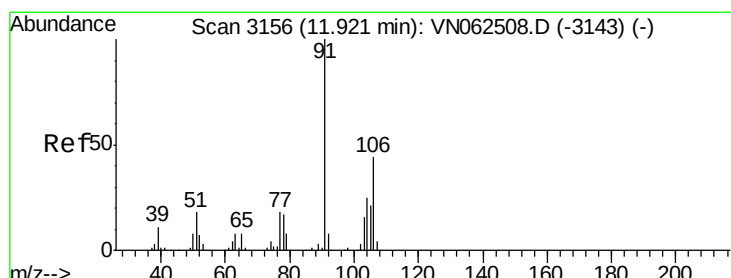
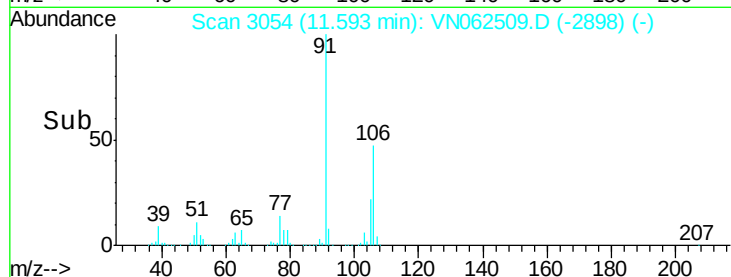
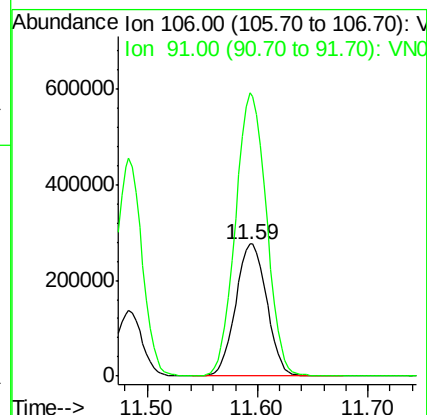
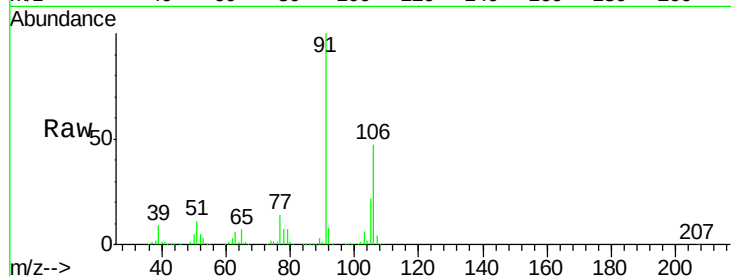




#67
m/p-Xylenes
Concen: 112.213 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

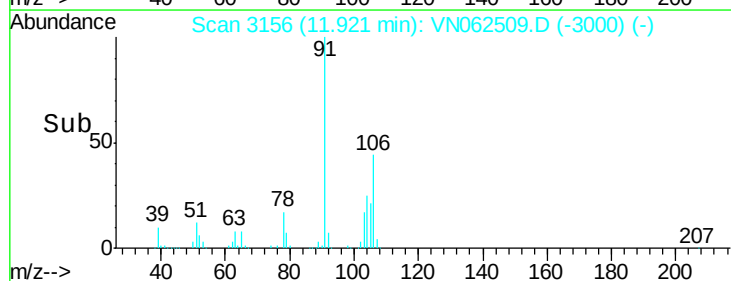
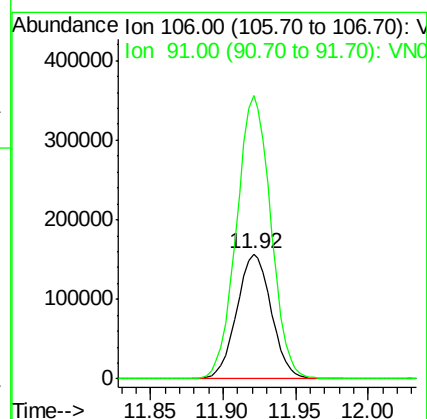
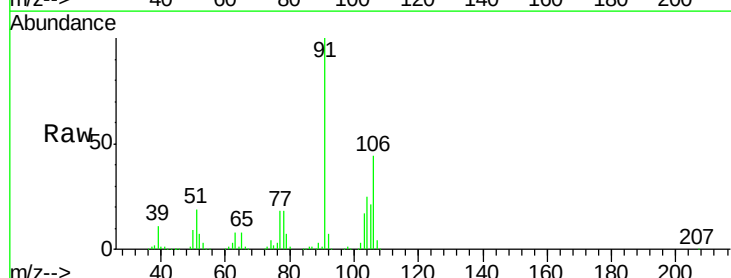
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

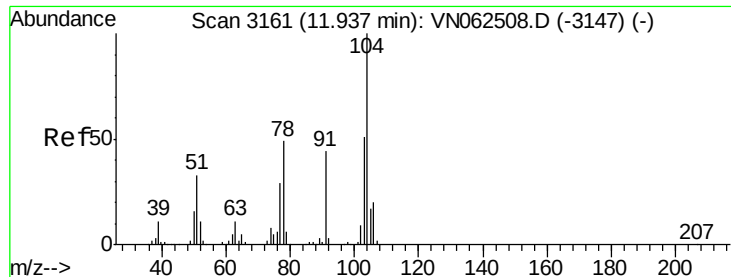
Tgt Ion:106 Resp: 538786
Ion Ratio Lower Upper
106 100
91 213.8 170.7 256.1



#68
o-Xylene
Concen: 56.752 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion:106 Resp: 258256
Ion Ratio Lower Upper
106 100
91 226.3 113.9 341.6

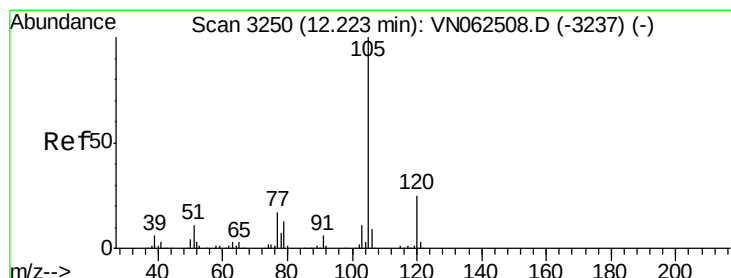
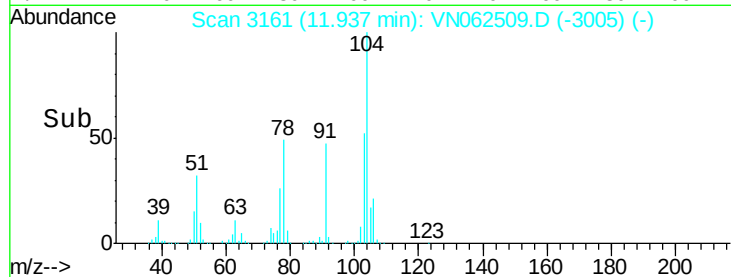
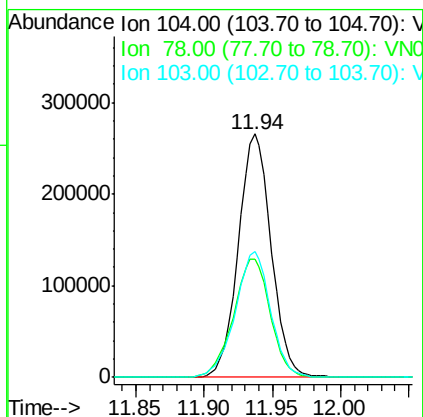
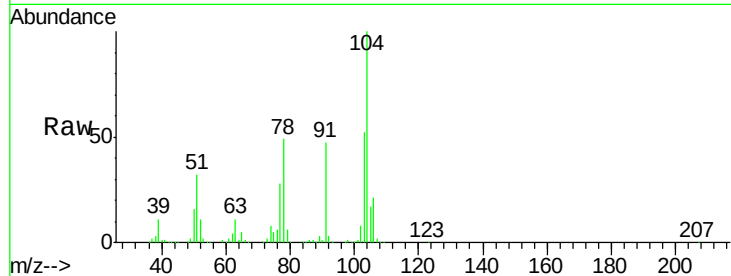




#69
Styrene
Concen: 57.344 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

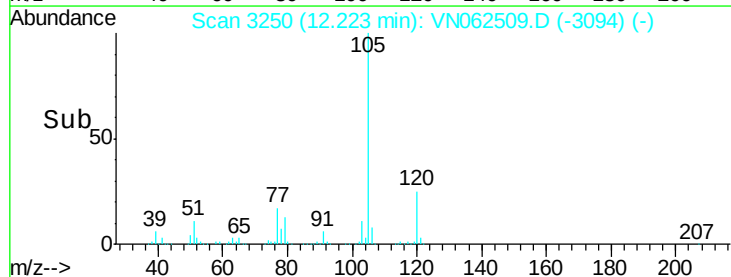
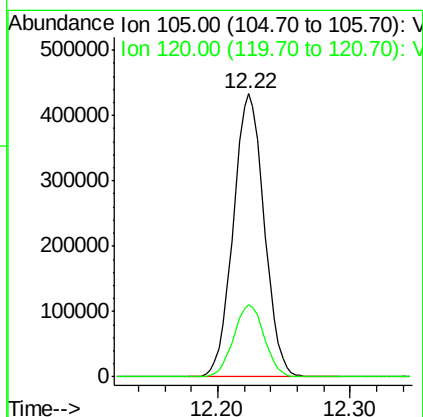
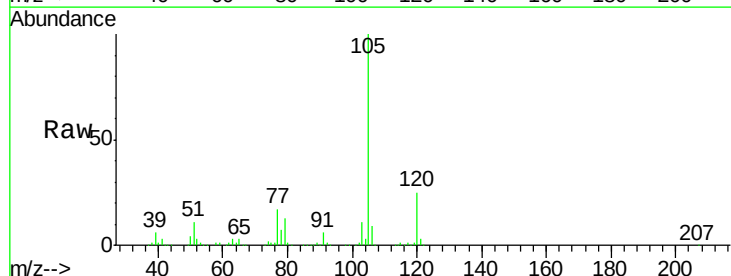
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

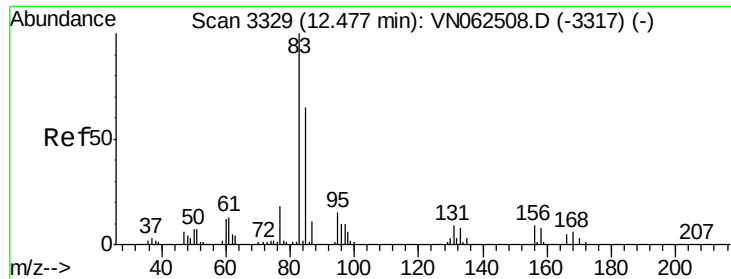
Tgt Ion:104 Resp: 443982
Ion Ratio Lower Upper
104 100
78 54.6 43.9 65.9
103 55.5 43.8 65.6



#70
Isopropylbenzene
Concen: 57.901 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion:105 Resp: 699457
Ion Ratio Lower Upper
105 100
120 25.5 17.6 32.8

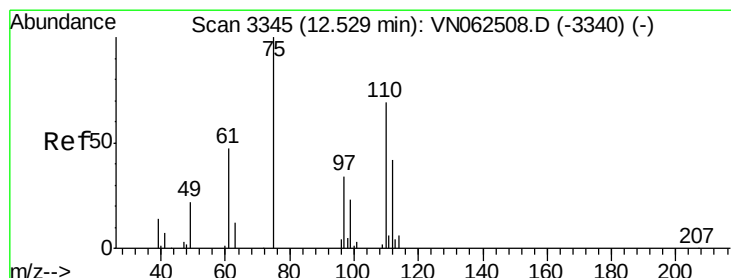
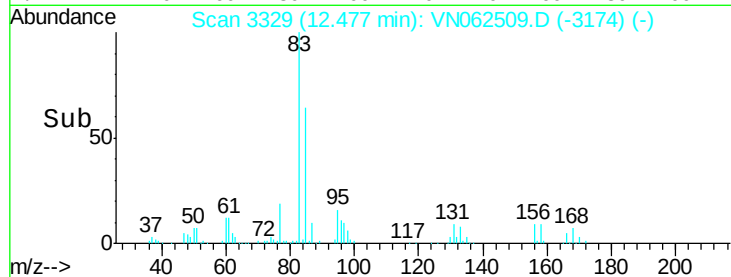
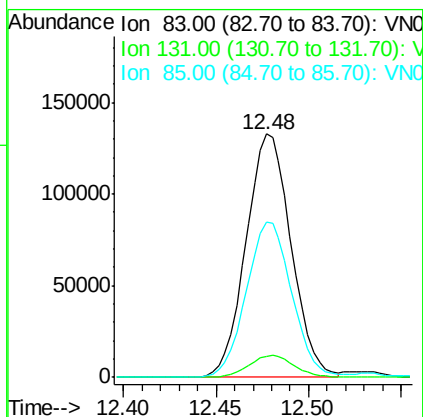
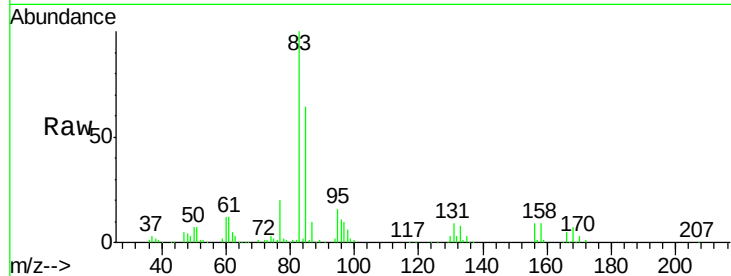




#71
 1,1,2,2-Tetrachloroethane
 Concen: 66.875 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

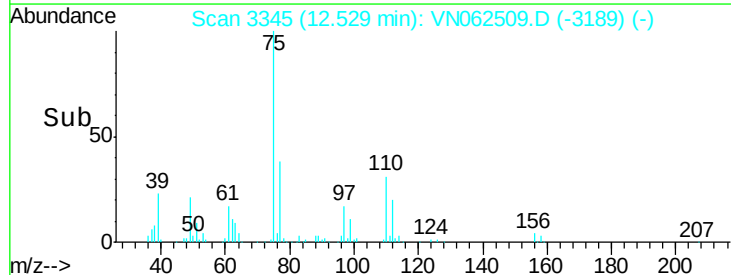
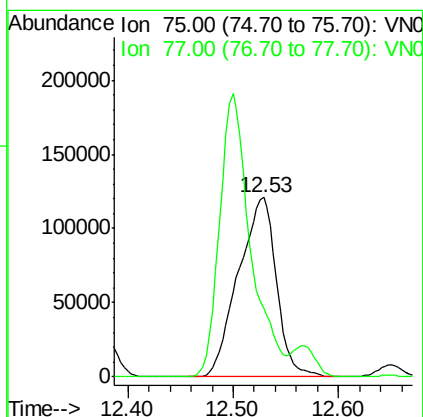
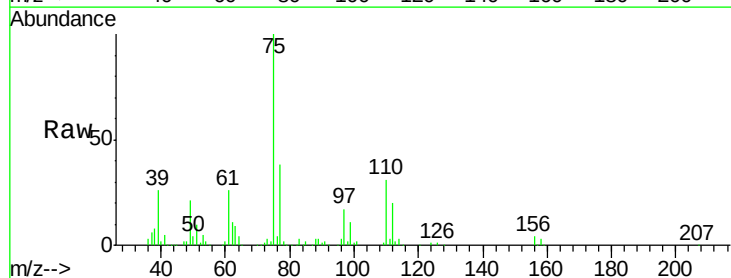
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

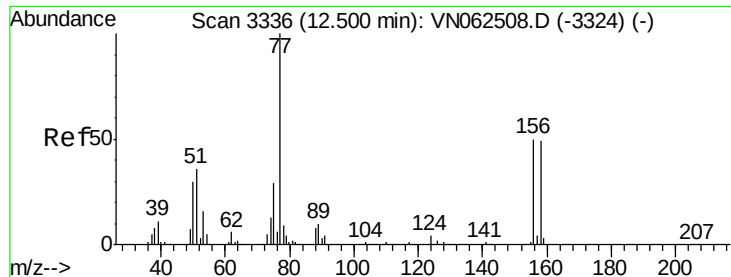
Tgt Ion: 83 Resp: 224788
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.5 13.7
 85 64.3 32.5 97.4



#72
 1,2,3-Trichloropropane
 Concen: 96.865 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion: 75 Resp: 303951
 Ion Ratio Lower Upper
 75 100
 77 128.6 0.0 376.2





#73

Bromobenzene

Concen: 50.158 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

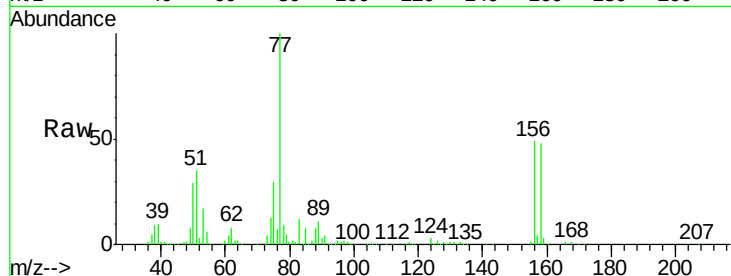
Tgt Ion:156 Resp: 159031

Ion Ratio Lower Upper

156 100

77 245.8 0.0 485.0

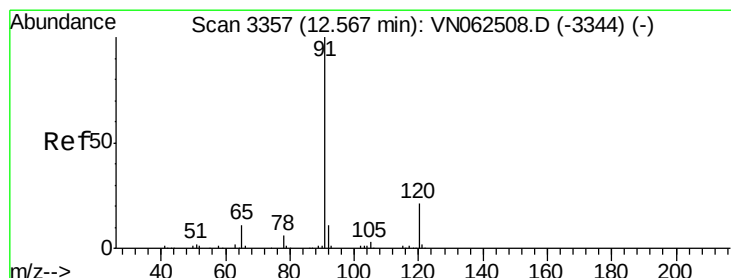
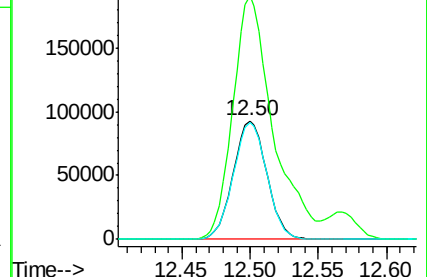
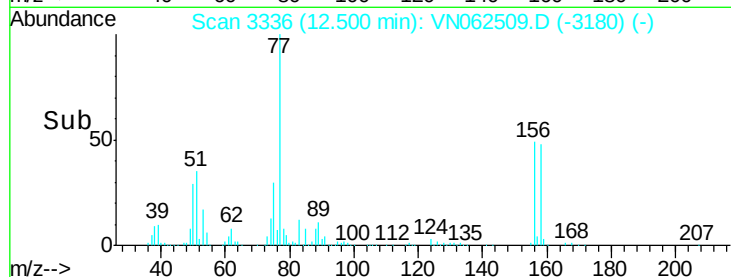
158 98.3 0.0 192.6



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: 60.683 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062509.D

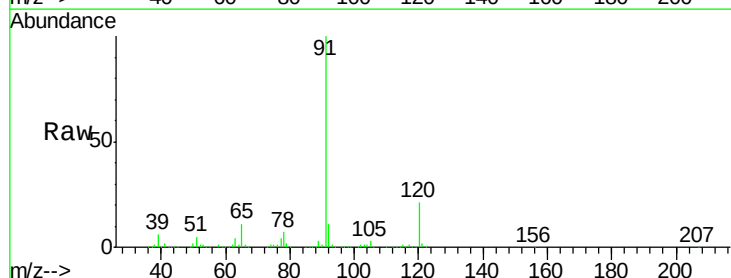
Acq: 13 Jul 2020 10:24

Tgt Ion: 91 Resp: 833099

Ion Ratio Lower Upper

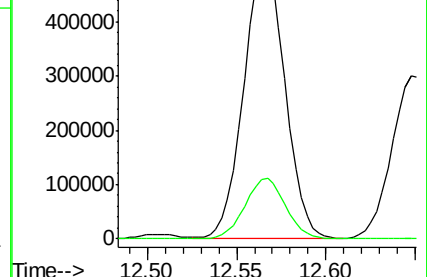
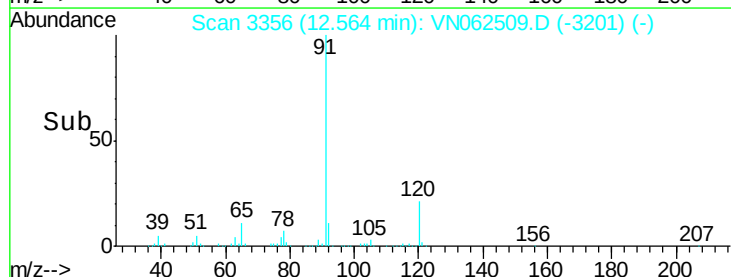
91 100

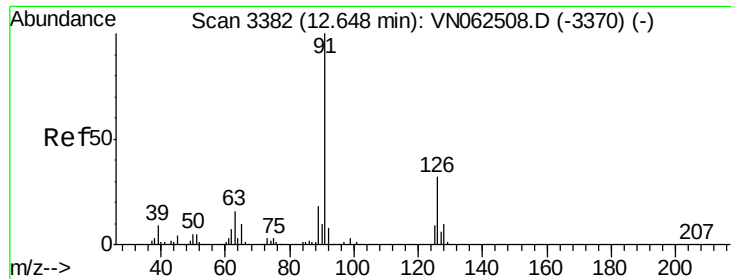
120 21.3 0.0 42.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 60.787 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

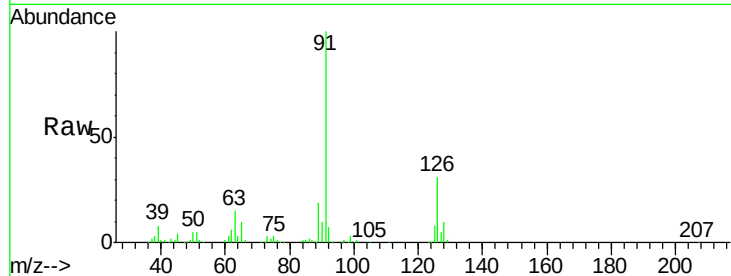
VSTDIC050

Tgt Ion: 91 Resp: 496900

Ion Ratio Lower Upper

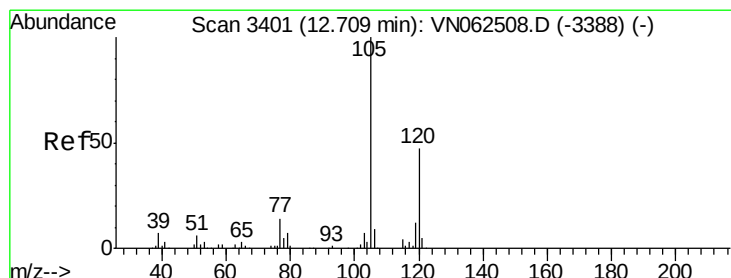
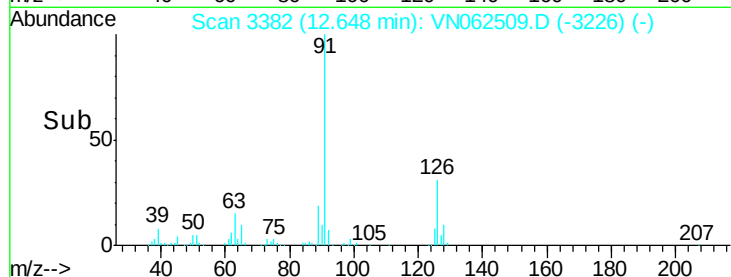
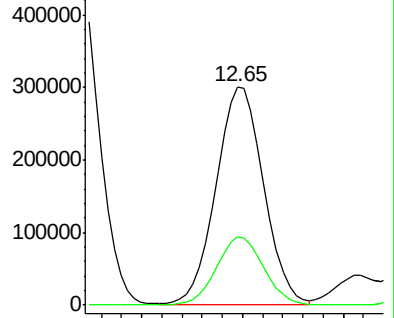
91 100

126 31.1 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN062509.D (-3382) (-)

Ion 126.00 (125.70 to 126.70): VN062509.D (-3382) (-)



#76

1,3,5-Trimethylbenzene

Concen: 59.314 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062509.D

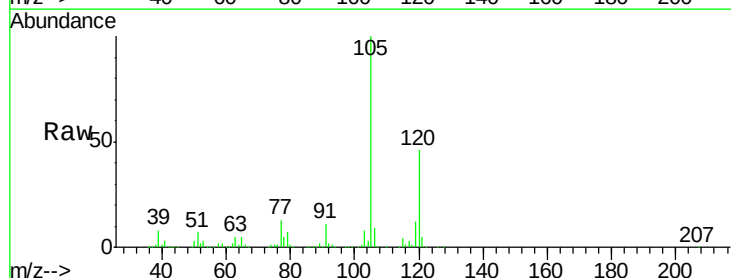
Acq: 13 Jul 2020 10:24

Tgt Ion: 105 Resp: 597367

Ion Ratio Lower Upper

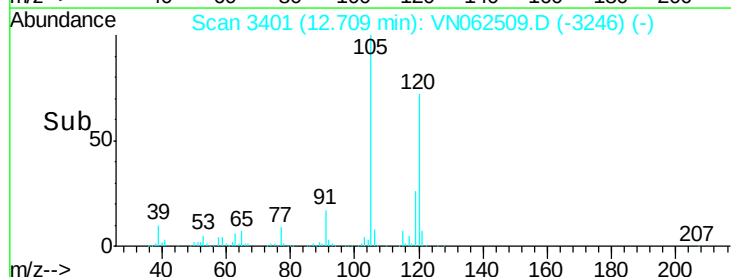
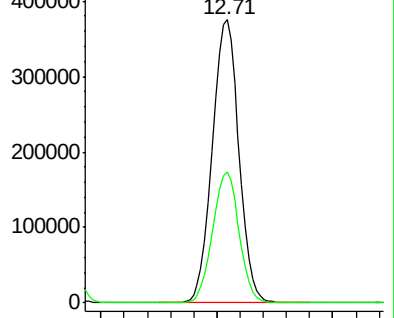
105 100

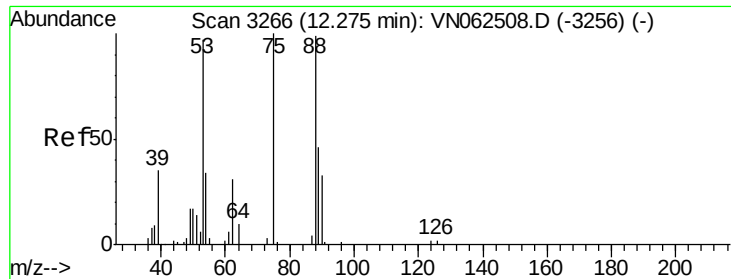
120 46.0 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN062509.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN062509.D (-3401) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 71.066 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

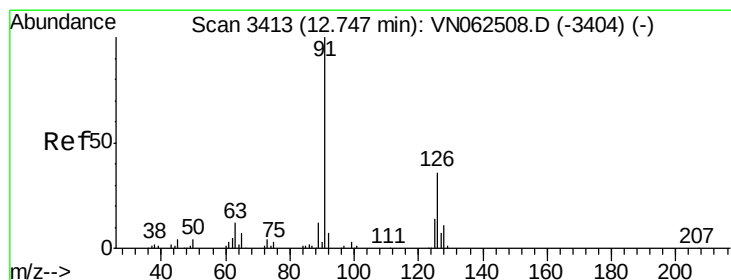
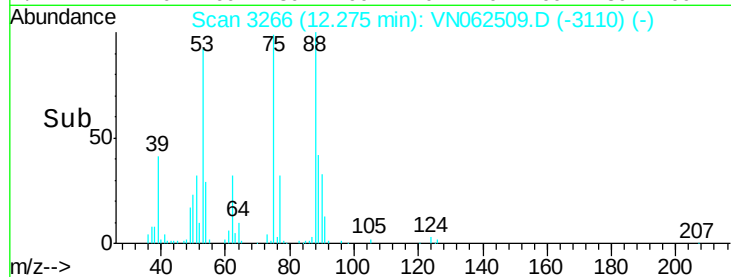
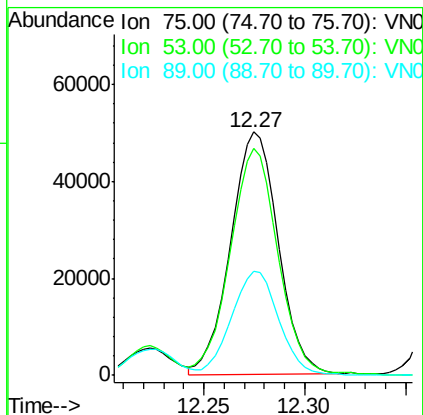
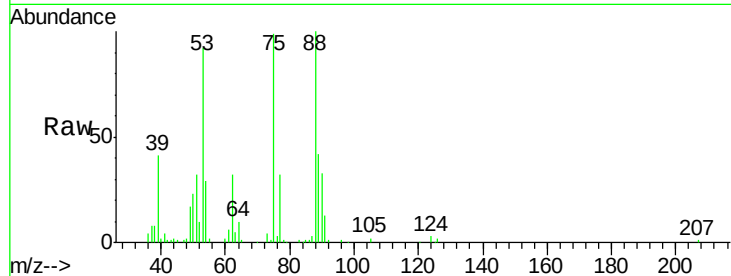
Tgt Ion: 75 Resp: 82158

Ion Ratio Lower Upper

75 100

53 93.2 48.3 144.8

89 42.5 23.3 69.8



#78

4-Chlorotoluene

Concen: 60.635 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062509.D

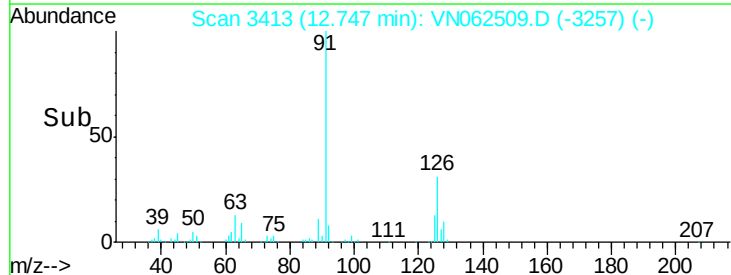
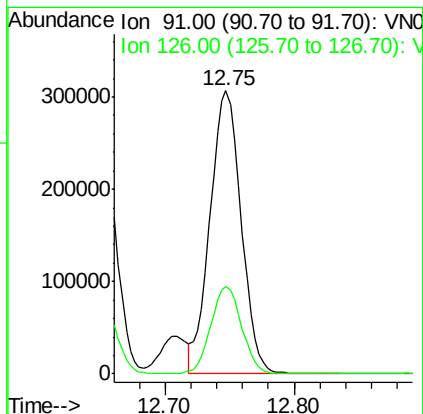
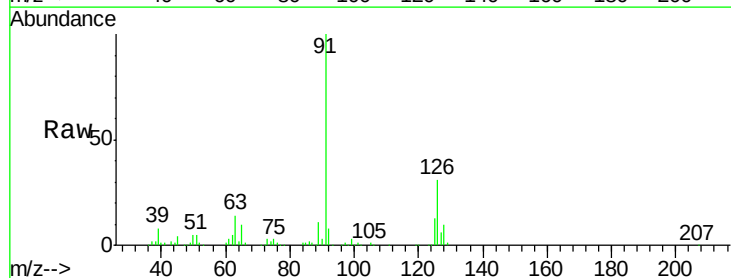
Acq: 13 Jul 2020 10:24

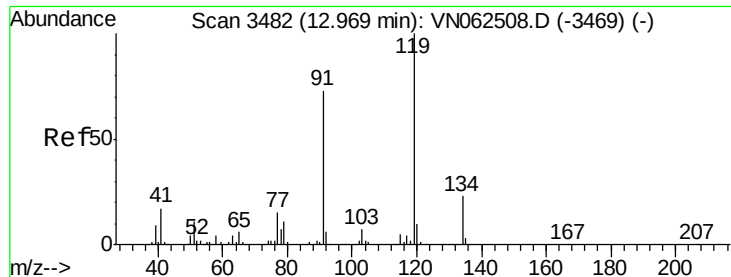
Tgt Ion: 91 Resp: 512982

Ion Ratio Lower Upper

91 100

126 30.6 0.0 62.2

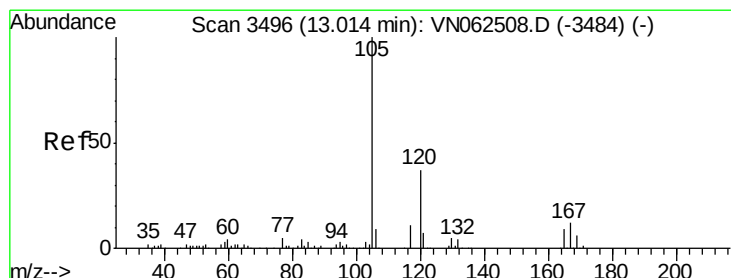
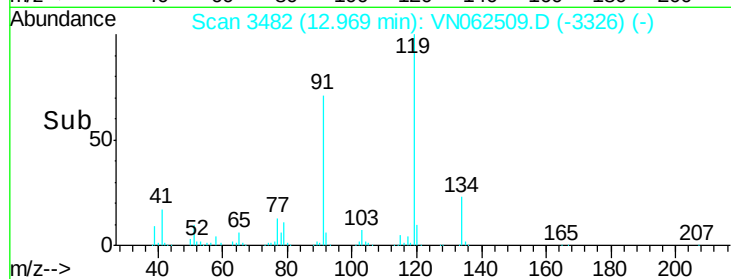
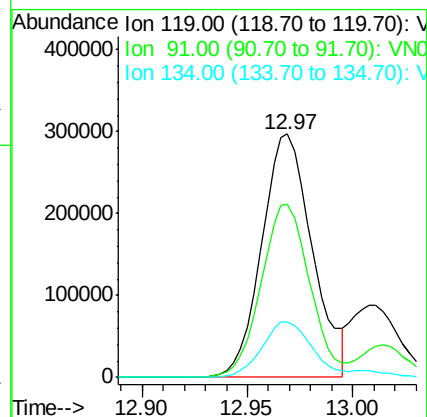
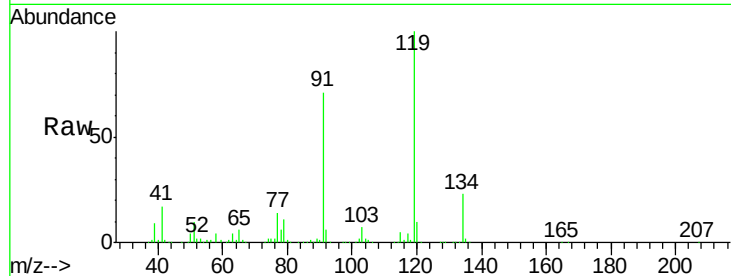




#79
tert-butylbenzene
Concen: 57.073 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

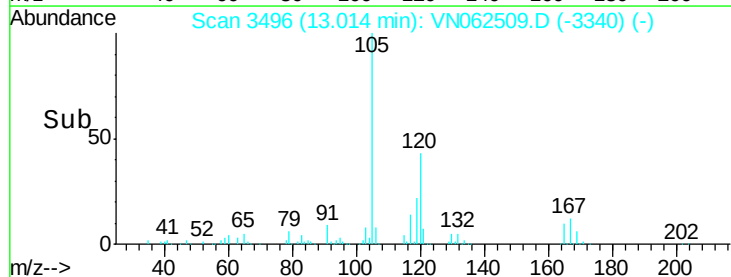
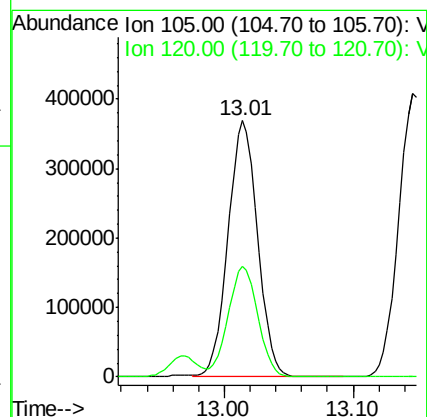
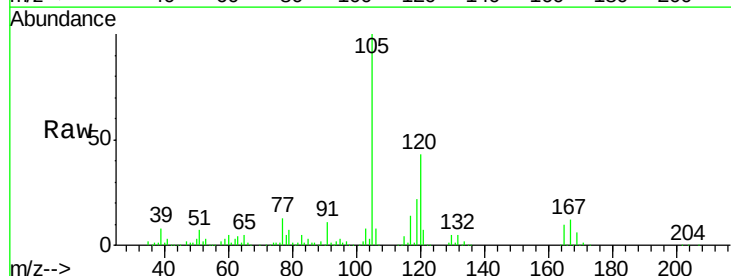
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

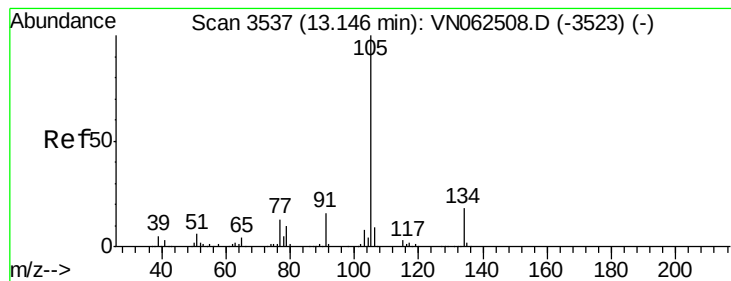
Tgt Ion:119 Resp: 495921
Ion Ratio Lower Upper
119 100
91 68.8 0.0 139.8
134 22.6 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 57.910 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion:105 Resp: 585017
Ion Ratio Lower Upper
105 100
120 43.7 0.0 86.6





#81

sec-Butylbenzene

Concen: 58.244 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

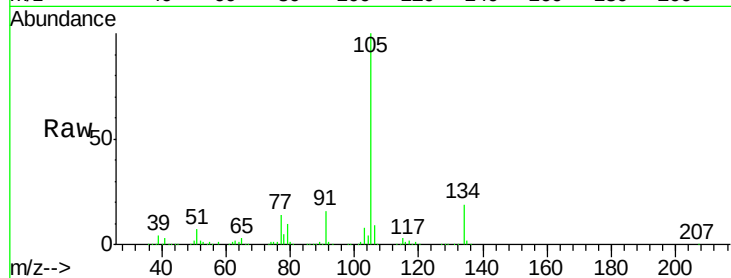
VSTDIC050

Tgt Ion:105 Resp: 654007

Ion Ratio Lower Upper

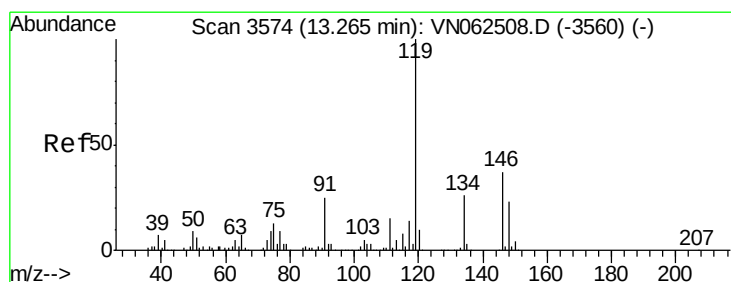
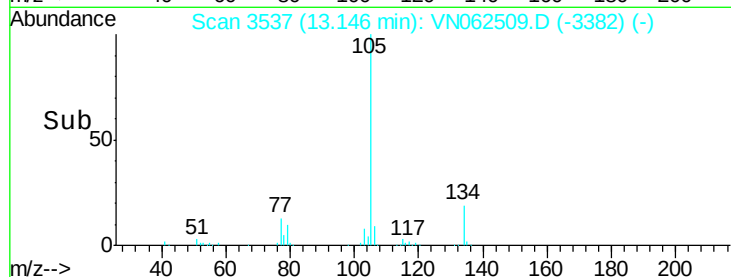
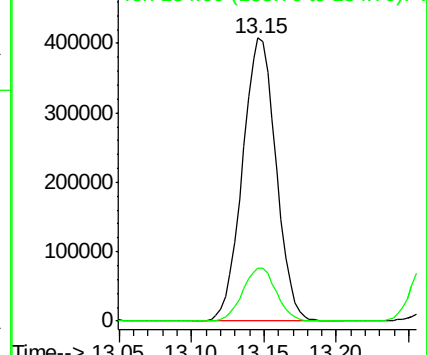
105 100

134 18.9 0.0 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 56.462 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

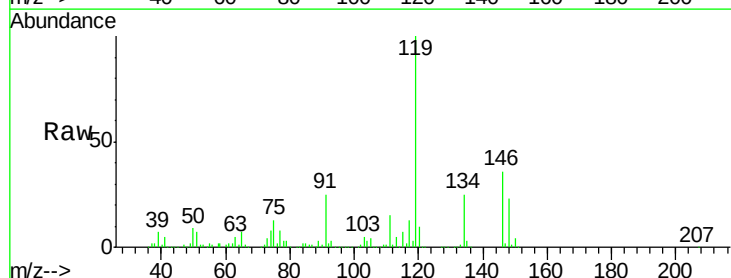
Tgt Ion:119 Resp: 583336

Ion Ratio Lower Upper

119 100

134 25.5 0.0 50.8

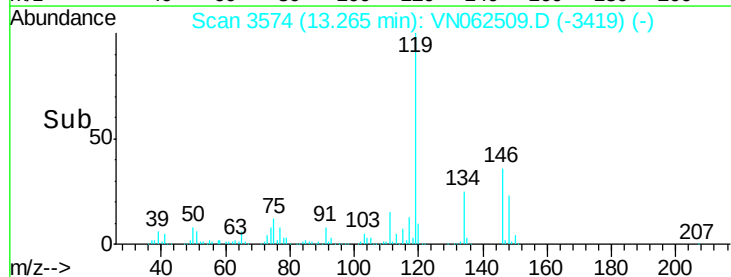
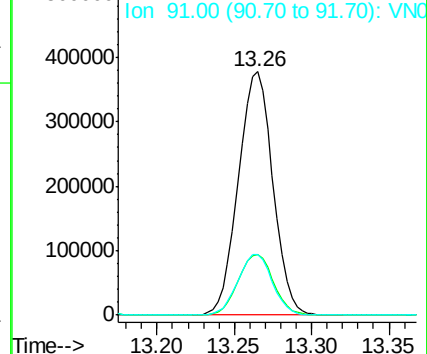
91 25.1 0.0 51.2

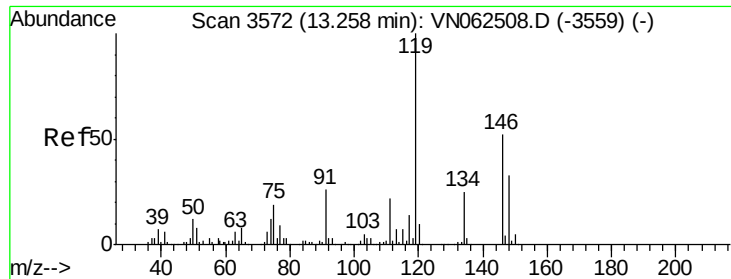


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

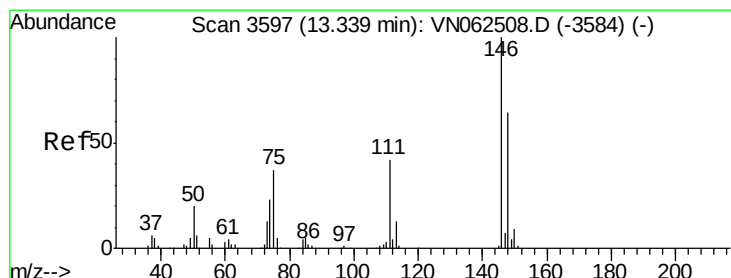
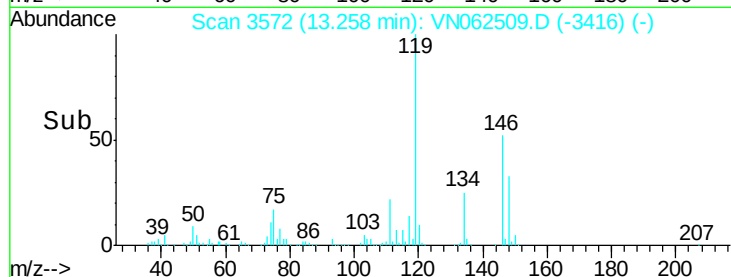
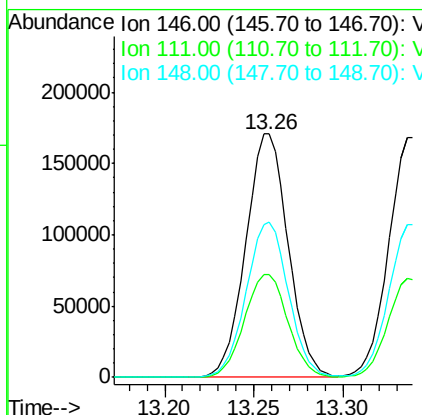
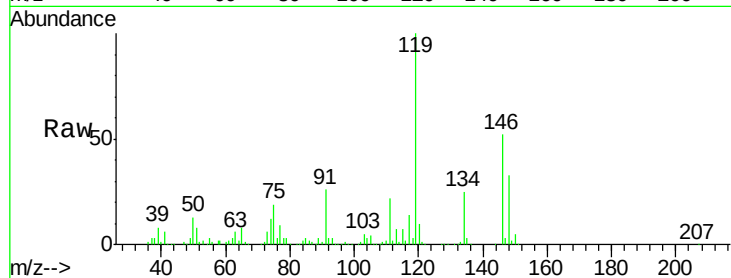




#83
 1,3-Dichlorobenzene
 Concen: 50.480 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

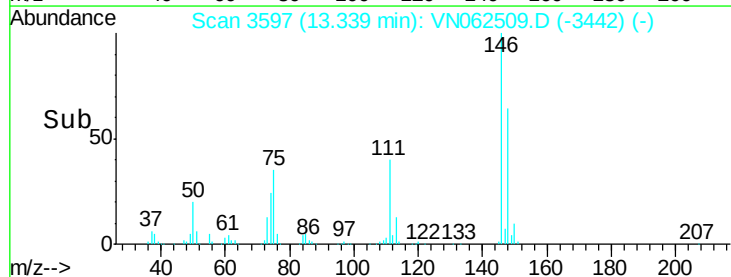
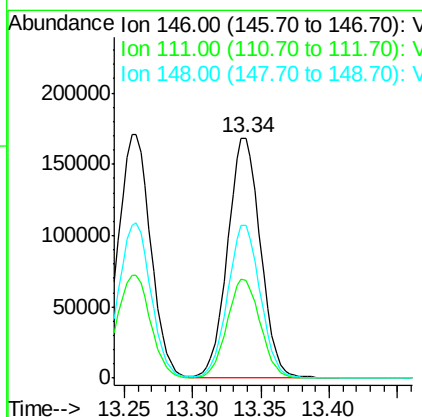
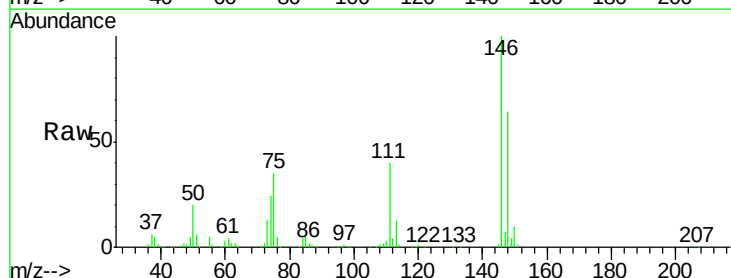
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

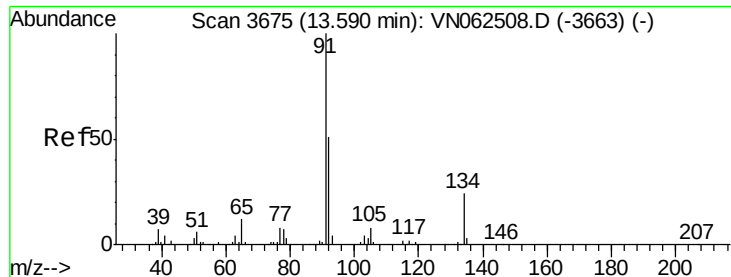
Tgt Ion:146 Resp: 283567
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.0 63.0
 148 63.6 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 50.894 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion:146 Resp: 280308
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.4 64.2
 148 64.0 32.4 97.2





#85

n-Butylbenzene

Concen: 58.903 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062509.D

Acq: 13 Jul 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

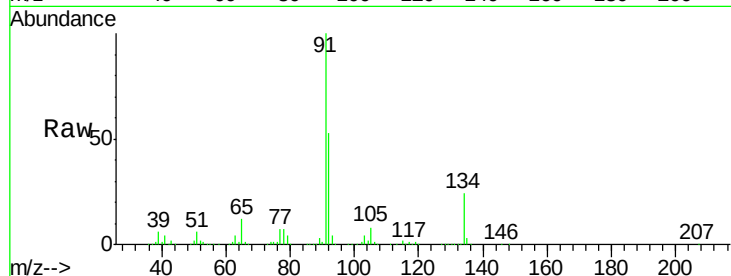
Tgt Ion: 91 Resp: 502095

Ion Ratio Lower Upper

91 100

92 52.1 0.0 102.4

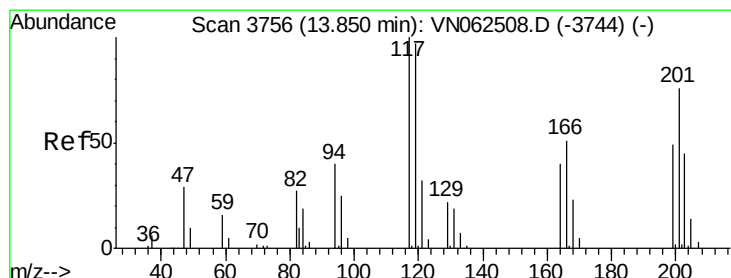
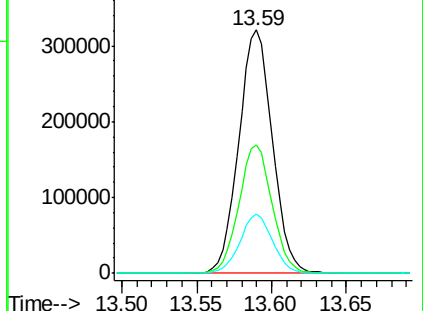
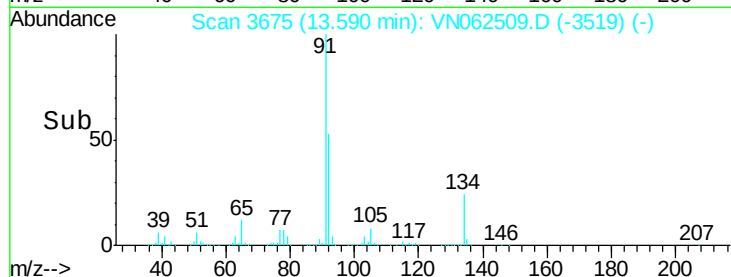
134 23.8 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VN062509.D (-3519) (-)

Ion 92.00 (91.70 to 92.70): VN062509.D (-3519) (-)

Ion 134.00 (133.70 to 134.70): VN062509.D (-3519) (-)



#86

Hexachloroethane

Concen: 70.922 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN062509.D

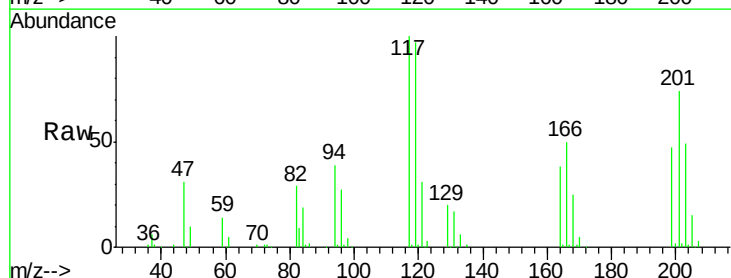
Acq: 13 Jul 2020 10:24

Tgt Ion: 117 Resp: 109529

Ion Ratio Lower Upper

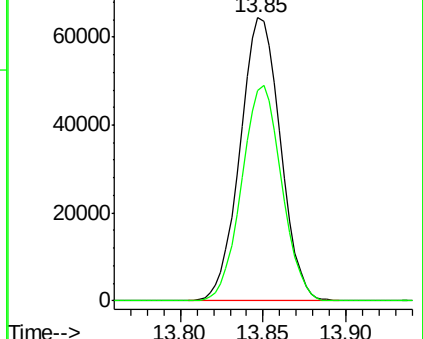
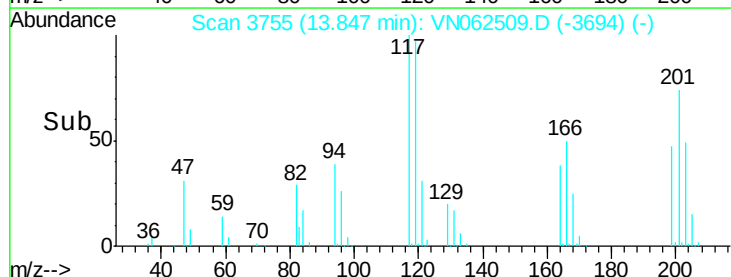
117 100

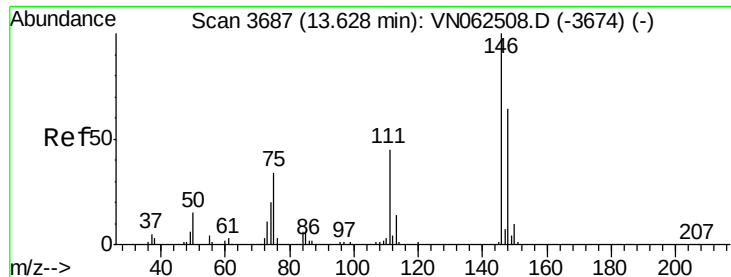
201 75.0 37.4 112.2



Abundance Ion 117.00 (116.70 to 117.70): VN062509.D (-3694) (-)

Ion 201.00 (200.70 to 201.70): VN062509.D (-3694) (-)

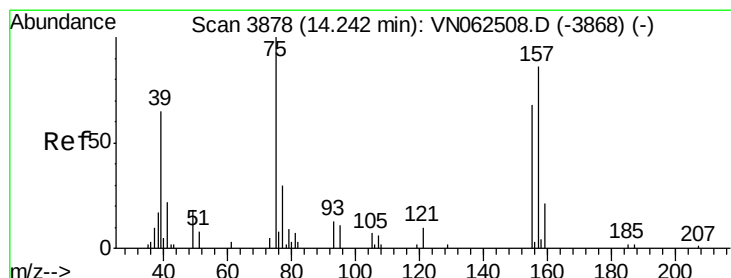
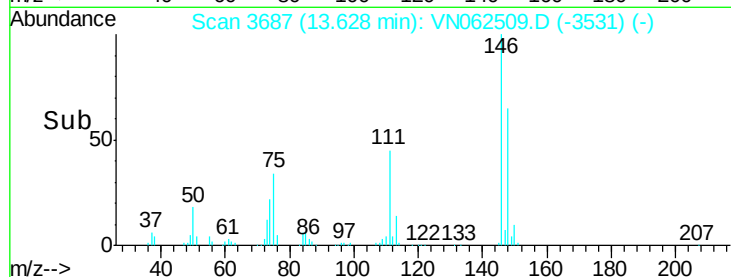
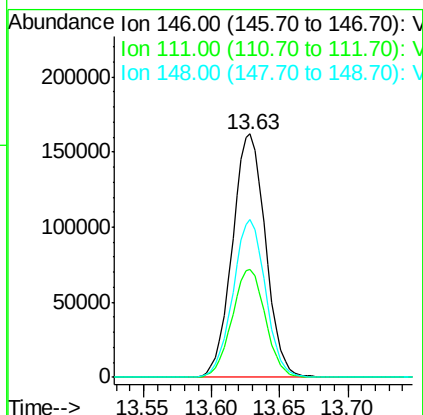
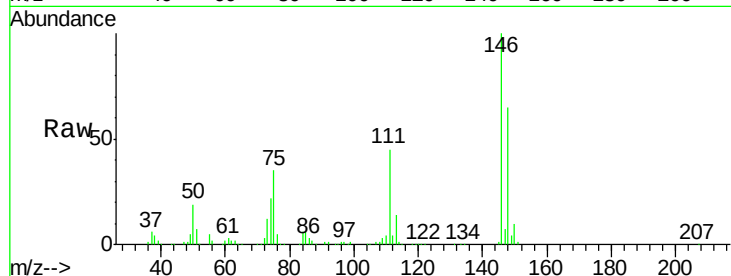




#87
 1,2-Dichlorobenzene
 Concen: 51.424 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

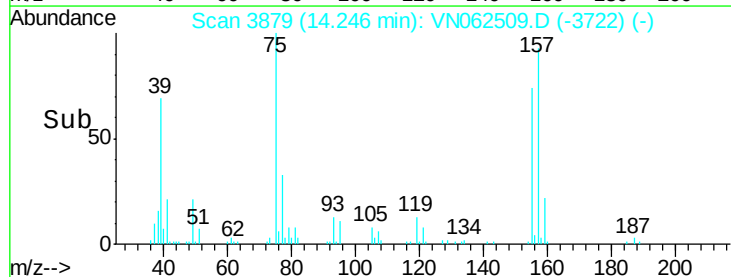
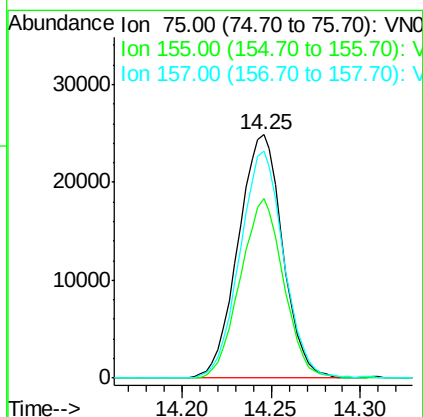
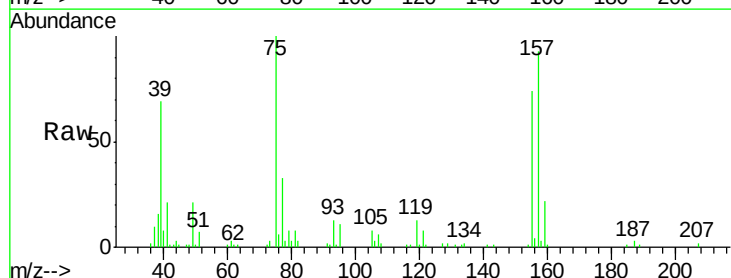
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

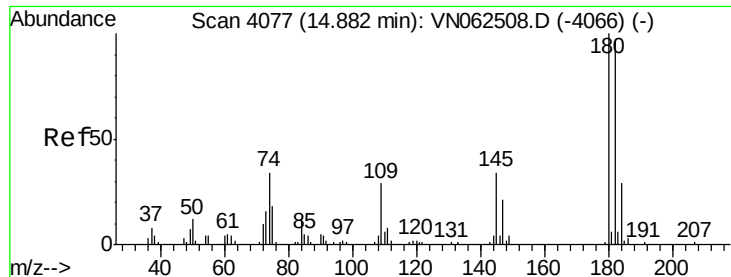
Tgt Ion: 146 Resp: 274332
 Ion Ratio Lower Upper
 146 100
 111 44.5 22.4 67.0
 148 63.5 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 68.684 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion: 75 Resp: 43220
 Ion Ratio Lower Upper
 75 100
 155 71.5 55.7 83.5
 157 91.8 71.0 106.6

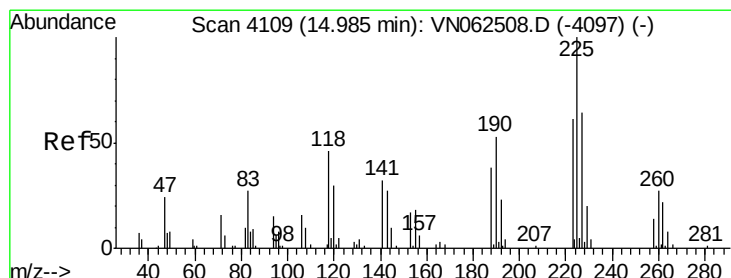
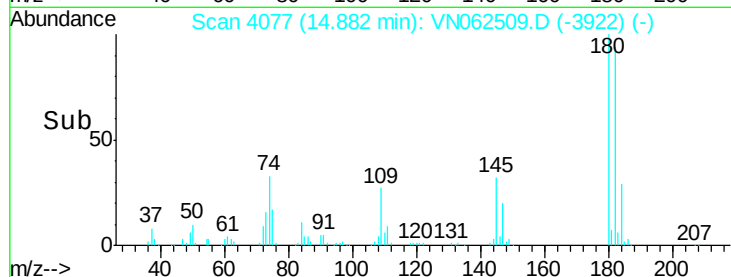
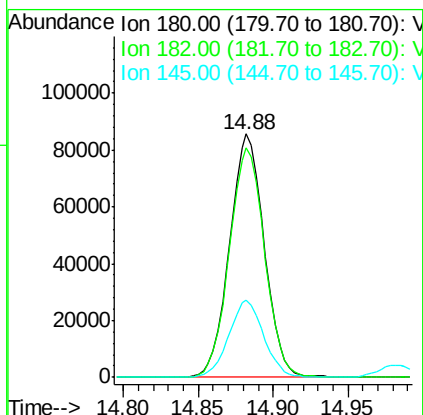
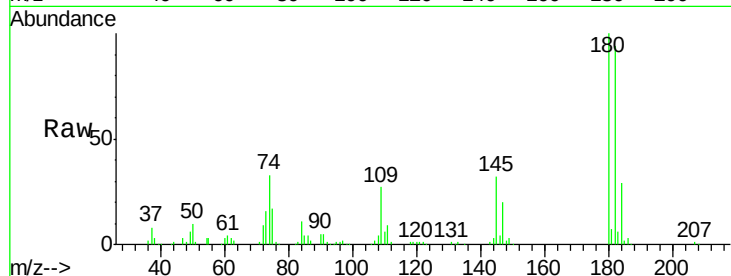




#89
 1,2,4-Trichlorobenzene
 Concen: 45.352 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

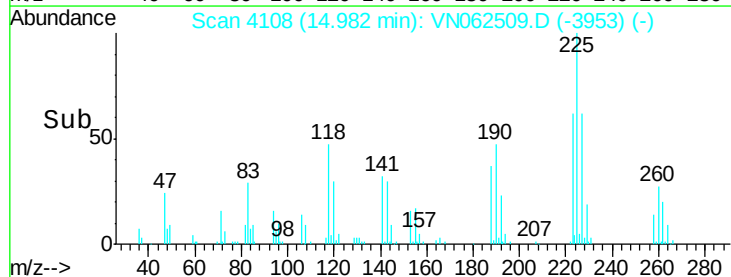
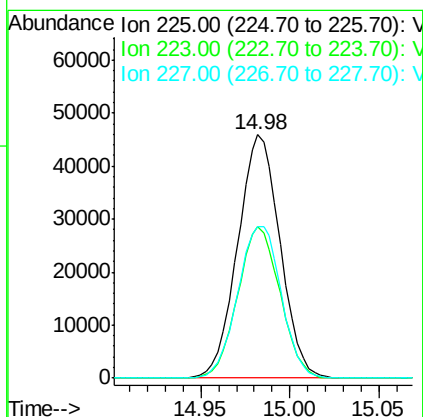
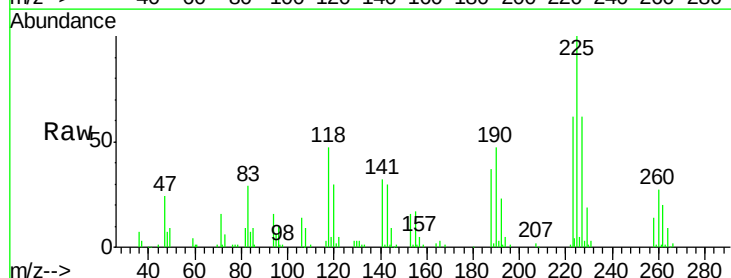
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

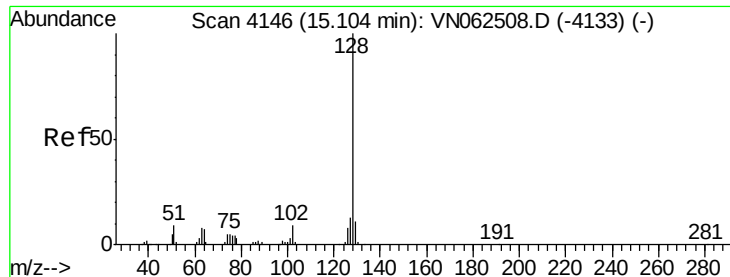
Tgt Ion:180 Resp: 138075
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.5 116.3
 145 32.0 26.1 39.1



#90
 Hexachlorobutadiene
 Concen: 55.403 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062509.D
 Acq: 13 Jul 2020 10:24

Tgt Ion:225 Resp: 76195
 Ion Ratio Lower Upper
 225 100
 223 62.0 0.0 120.4
 227 64.0 0.0 129.6

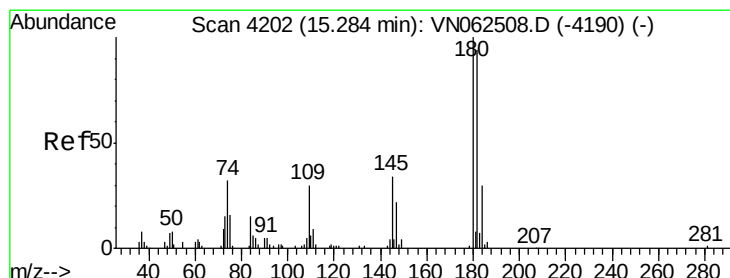
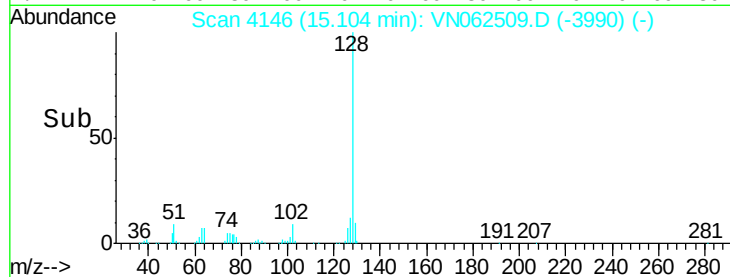
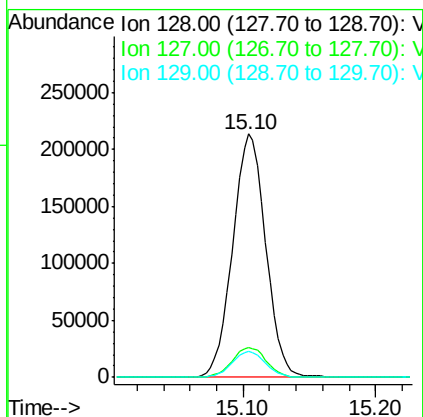
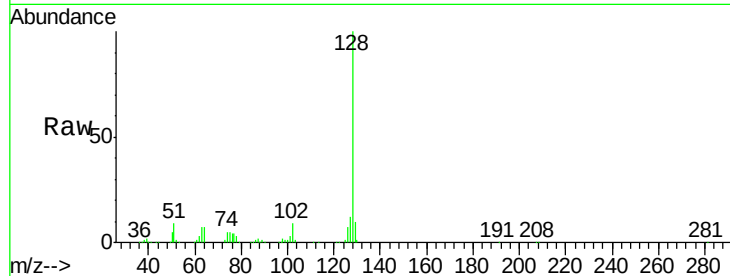




#91
Naphthalene
Concen: 43.854 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tgt Ion:128 Resp: 370001
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 10.7 8.8 13.2



#92
1,2,3-Trichlorobenzene
Concen: 46.358 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062509.D
Acq: 13 Jul 2020 10:24

Tgt Ion:180 Resp: 138700
Ion Ratio Lower Upper
180 100
182 95.7 0.0 187.2
145 32.8 0.0 67.8

