

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121020\
 Data File : VV019510.D
 Acq On : 10 Dec 2020 13:16
 Operator : SY/MD
 Sample : VSTD20064
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Quant Time: Dec 10 14:41:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 14:37:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	769797	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	726655	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	360240	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	1099592	256.57	ug/L	0.00
7) Chloroethane-d5	1.57	69	867202	196.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.11	63	2032738	201.26	ug/L	0.00
21) 2-Butanone-d5	3.89	46	1270879	396.77	ug/L	0.00
24) Chloroform-d	4.35	84	1998219	202.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.04	65	1315623	200.33	ug/L	0.00
32) Benzene-d6	5.05	84	3832043	212.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.07	67	1221038	199.74	ug/L	0.00
41) Toluene-d8	7.32	98	3483151	224.10	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.62	79	710623	239.47	ug/L	0.00
47) 2-Hexanone-d5	8.09	63	995264	546.29	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.22	84	1661874	227.06	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.63	152	1326086	224.59	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	1236385	315.379 ug/L	99
3) Chloromethane	1.24	50	1315613	306.403 ug/L	100
5) Vinyl chloride	1.31	62	1326169	270.524 ug/L	98
6) Bromomethane	1.52	94	793715	188.795 ug/L	100
8) Chloroethane	1.59	64	793300	218.881 ug/L	99
9) Trichlorofluoromethane	1.75	101	1552408	204.573 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	892069	203.819 ug/L	99
12) 1,1-Dichloroethene	2.12	96	926341	219.316 ug/L #	82
13) Acetone	2.18	43	992752	247.729 ug/L	99
14) Carbon disulfide	2.30	76	3053492	252.915 ug/L	99
15) Methyl Acetate	2.43	43	1153244	172.989 ug/L	99
16) Methylene chloride	2.51	84	1060458	187.969 ug/L	99
17) trans-1,2-Dichloroethene	2.76	96	1027333	216.670 ug/L	99
18) Methyl tert-butyl Ether	2.77	73	3514179	203.743 ug/L	100
19) 1,1-Dichloroethane	3.19	63	1954124	182.598 ug/L	100
20) cis-1,2-Dichloroethene	3.91	96	1128975	206.974 ug/L #	99
22) 2-Butanone	3.97	43	1650647	329.537 ug/L	97
23) Bromochloromethane	4.25	128	552673	205.468 ug/L	97
25) Chloroform	4.38	83	1952469	184.289 ug/L	100
27) 1,2-Dichloroethane	5.14	62	1626709	188.273 ug/L	100
29) Cyclohexane	4.68	56	1774680	230.833 ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	1805525	205.286 ug/L	100
31) Carbon tetrachloride	4.83	117	1533715	211.712 ug/L	99
33) Benzene	5.10	78	4187882	202.967 ug/L	100
34) Trichloroethene	5.92	95	1124294	194.931 ug/L	99
35) Methylcyclohexane	6.14	83	1697342	237.505 ug/L	100
37) 1,2-Dichloropropane	6.18	63	1115339	186.272 ug/L	100
38) Bromodichloromethane	6.51	83	1554266	198.373 ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	1945478	224.337 ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	3248523	370.011 ug/L	99

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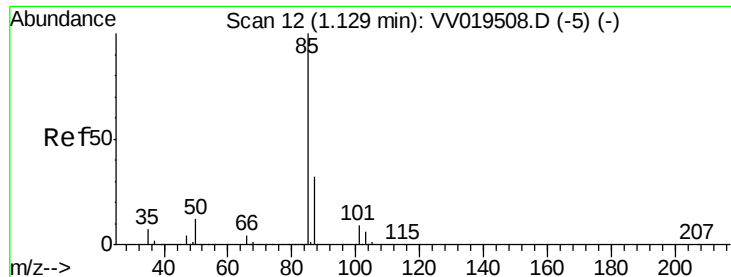
Instrument :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.39	91	4446119	212.615	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	1903483	216.722	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	1041373	191.756	ug/L	99
46) Tetrachloroethene	7.98	164	775681	217.887	ug/L	98
48) 2-Hexanone	8.14	43	2506498	359.389	ug/L	99
49) Dibromochloromethane	8.25	129	1194228	209.950	ug/L	100
50) 1,2-Dibromoethane	8.36	107	1131018	207.538	ug/L	100
51) Chlorobenzene	8.88	112	2855456	209.089	ug/L	99
52) Ethylbenzene	9.02	91	5072551	220.406	ug/L	99
53) m,p-Xylene	9.14	106	1921164	232.380	ug/L	98
54) o-xylene	9.55	106	1888459	235.905	ug/L	96
55) Styrene	9.57	104	3321240	234.331	ug/L	99
56) Isopropylbenzene	9.94	105	4914058	226.746	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.25	83	1710802	206.536	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	1387528	186.577	ug/L	100
61) Bromoform	9.74	173	837926	208.779	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	2203963	211.143	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	2240476	205.201	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	2190575	205.633	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.43	75	474456	221.893	ug/L	99
67) 1,3,5-Trichlorobenzene	12.65	180	1569868	201.909	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	1504575	218.498	ug/L	99
69) Naphthalene	13.51	128	5255660	269.553	ug/L	99
70) 1,2,3-Trichlorobenzene	13.75	180	1444127	205.496	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 315.379 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019510.D

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Instrument :

MSVOA_V

ClientSampleId :

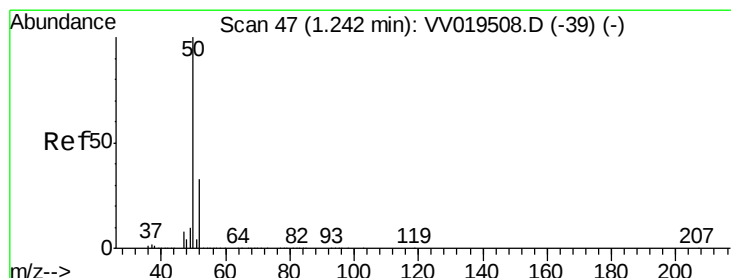
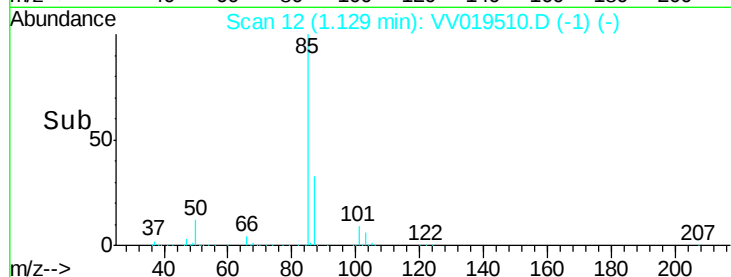
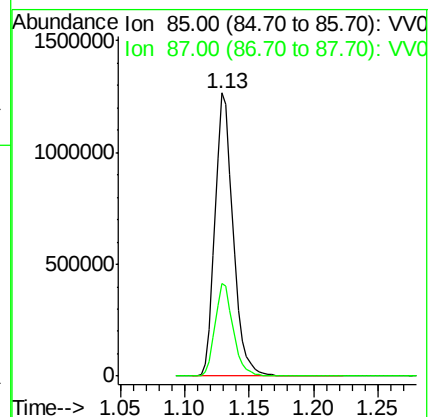
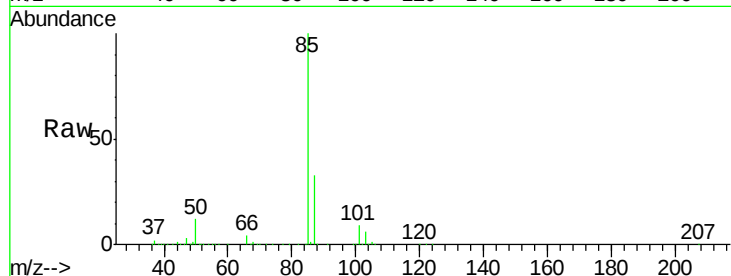
VSTD20064

Tgt Ion: 85 Resp: 1236385

Ion Ratio Lower Upper

85 100

87 32.8 25.7 38.5



#3

Chloromethane

Concen: 306.403 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019510.D

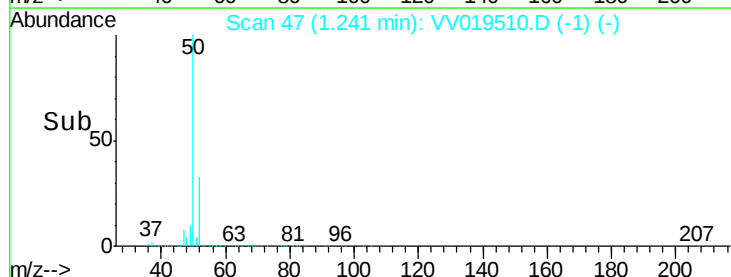
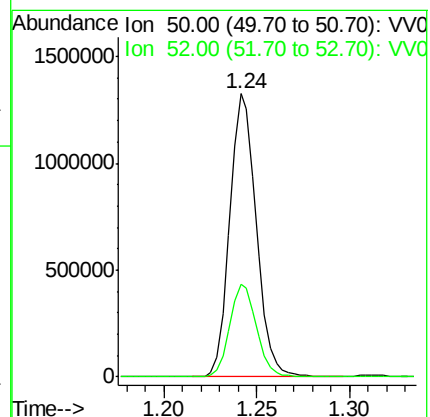
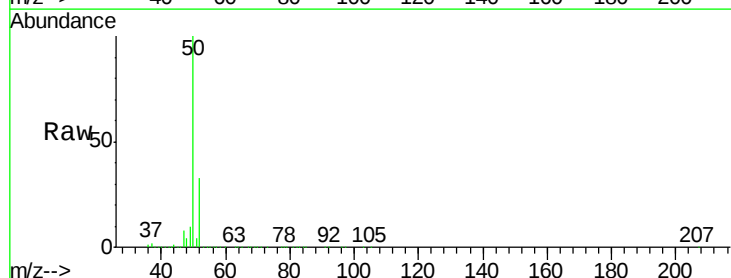
Acq: 10 Dec 2020 13:16

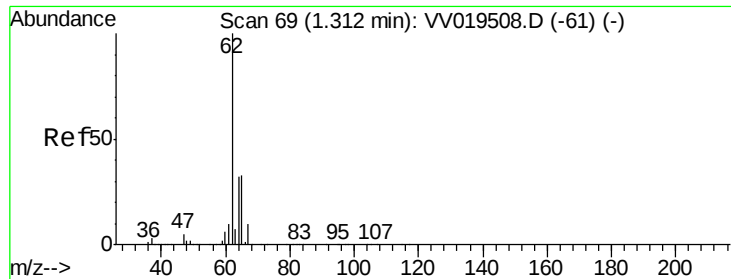
Tgt Ion: 50 Resp: 1315613

Ion Ratio Lower Upper

50 100

52 33.0 23.2 43.0





#5

Vinyl chloride

Concen: 270.524 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

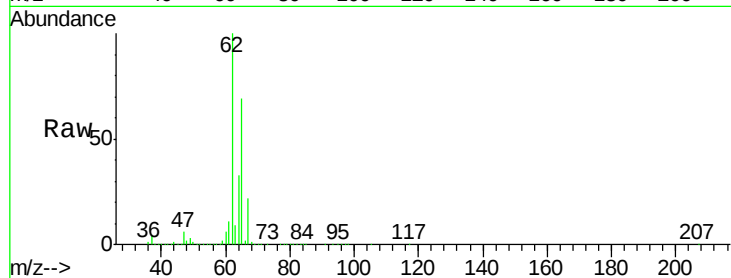
VSTD20064

Tgt Ion: 62 Resp: 1326169

Ion Ratio Lower Upper

62 100

64 33.2 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV019510.D (-61) (-)

Ion 64.00 (63.70 to 64.70): VV019510.D (-61) (-)

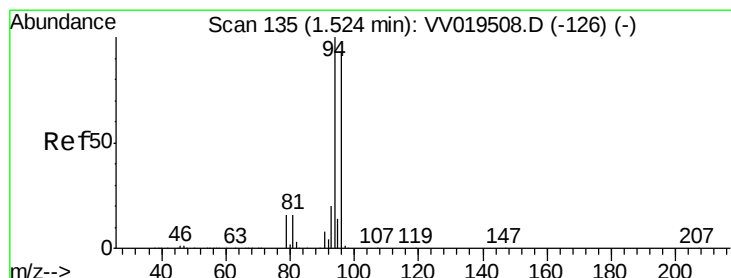
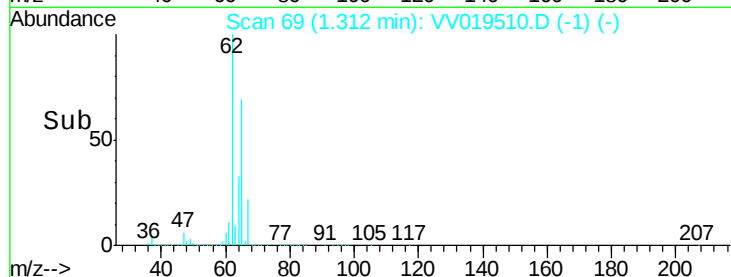
1.31

1000000

500000

0

Time-->



#6

Bromomethane

Concen: 188.795 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019510.D

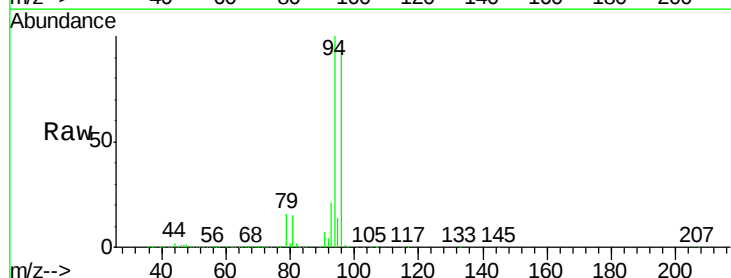
Acq: 10 Dec 2020 13:16

Tgt Ion: 94 Resp: 793715

Ion Ratio Lower Upper

94 100

96 93.2 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV019510.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV019510.D (-126) (-)

1.52

800000

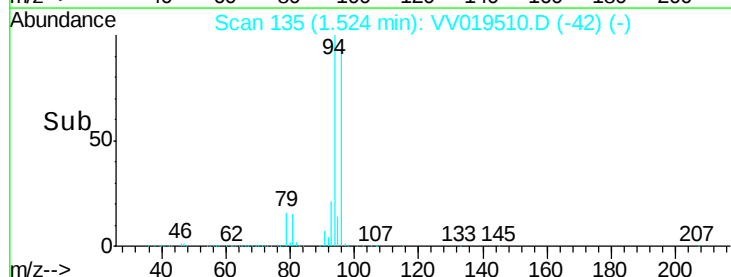
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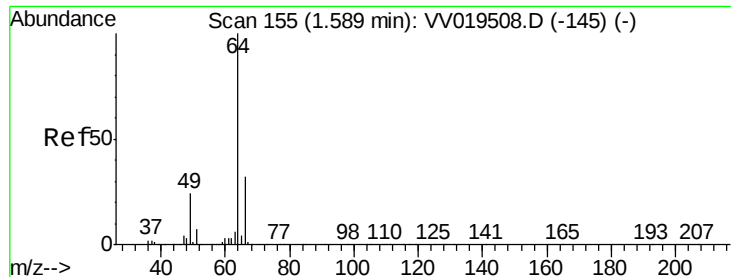
400000

200000

0

Time-->





#8

Chloroethane

Concen: 218.881 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

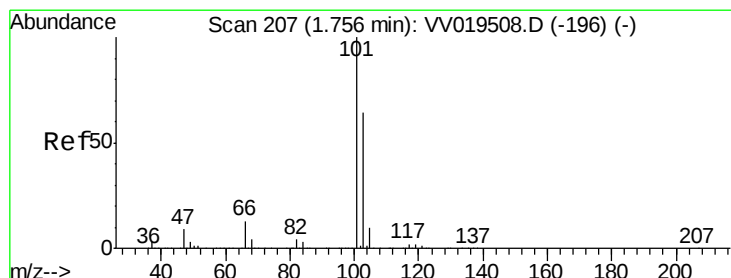
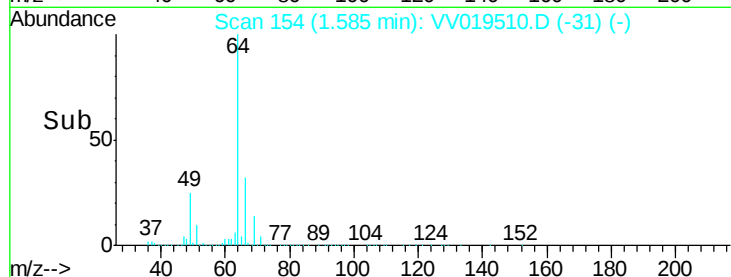
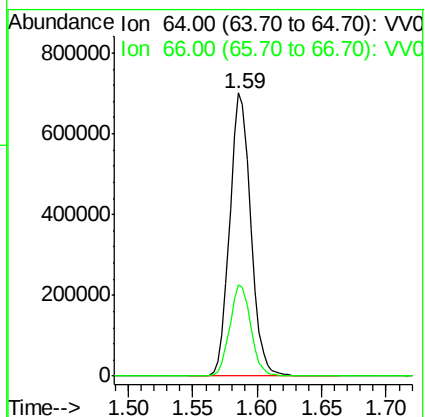
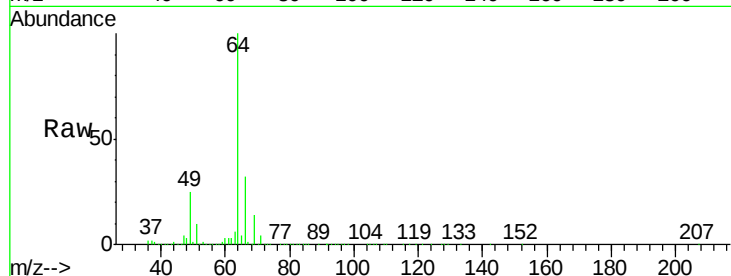
VSTD20064

Tgt Ion: 64 Resp: 793300

Ion Ratio Lower Upper

64 100

66 32.4 22.5 41.7



#9

Trichlorofluoromethane

Concen: 204.573 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.00 min

Lab File: VV019510.D

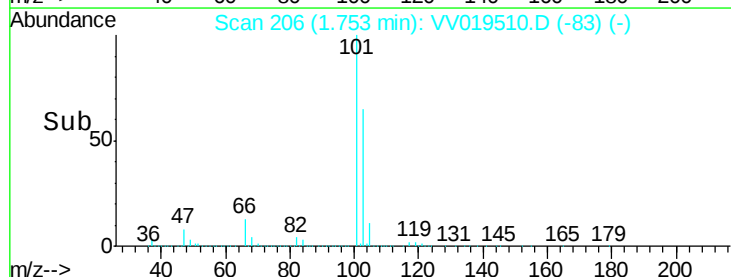
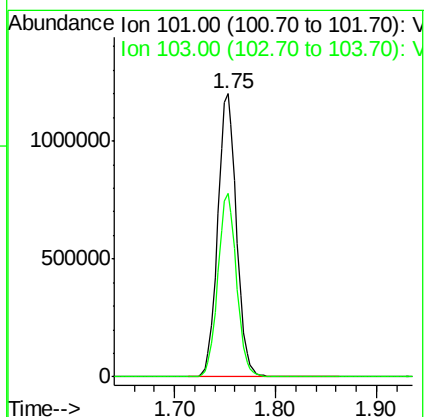
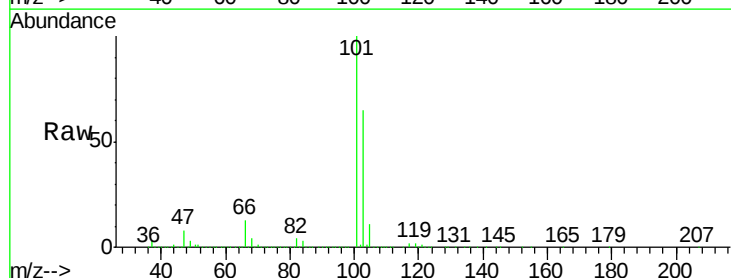
Acq: 10 Dec 2020 13:16

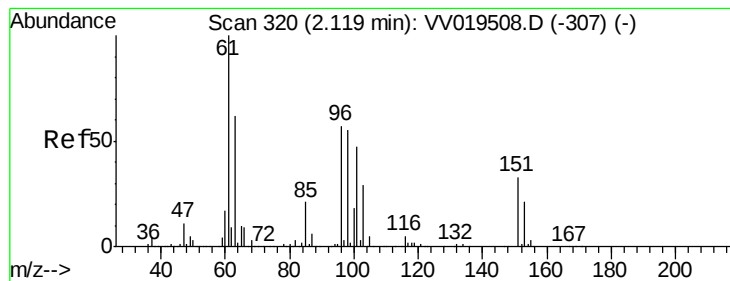
Tgt Ion: 101 Resp: 1552408

Ion Ratio Lower Upper

101 100

103 64.8 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 203.819 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

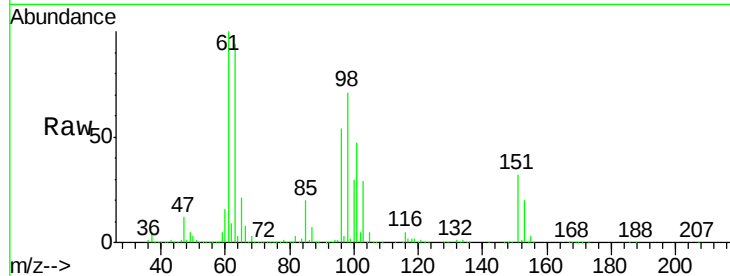
Tgt Ion: 101 Resp: 892069

Ion Ratio Lower Upper

101 100

85 43.6 35.0 52.4

151 69.2 55.8 83.8

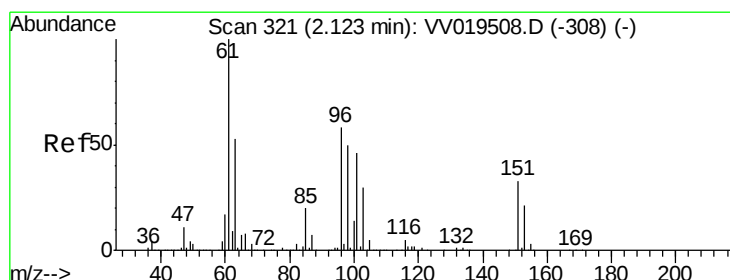
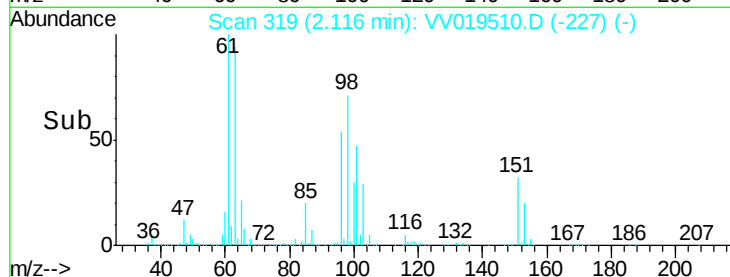


Abundance Ion 101.00 (100.70 to 101.70): VV019510.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019510.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019510.D (-227) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 219.316 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

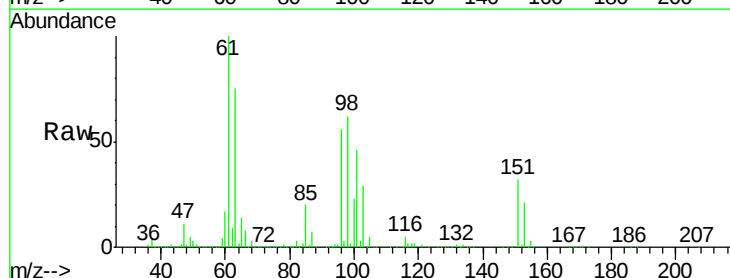
Tgt Ion: 96 Resp: 926341

Ion Ratio Lower Upper

96 100

61 177.8 120.7 224.1

63 133.4 64.3 119.5#

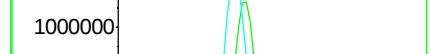
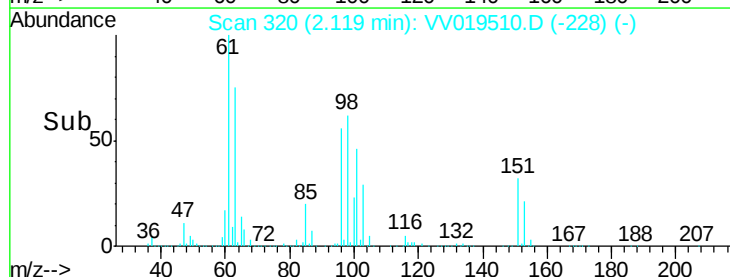


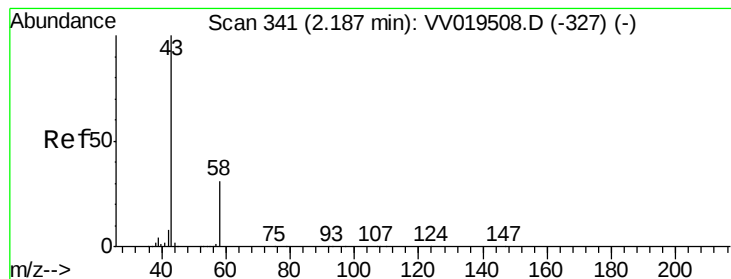
Abundance Ion 96.00 (95.70 to 96.70): VV019510.D (-228) (-)

Ion 61.00 (60.70 to 61.70): VV019510.D (-228) (-)

Ion 63.00 (62.70 to 63.70): VV019510.D (-228) (-)

Time-->





#13

Acetone

Concen: 247.729 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

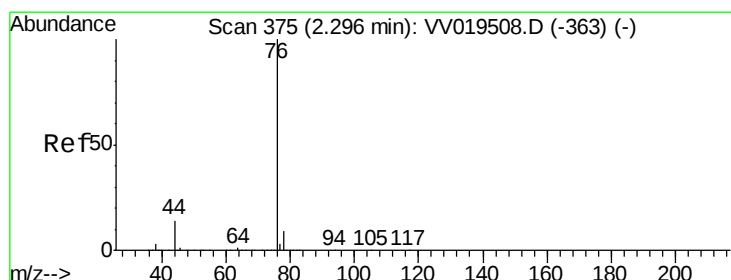
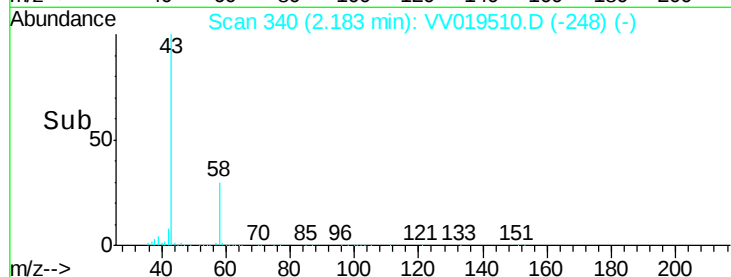
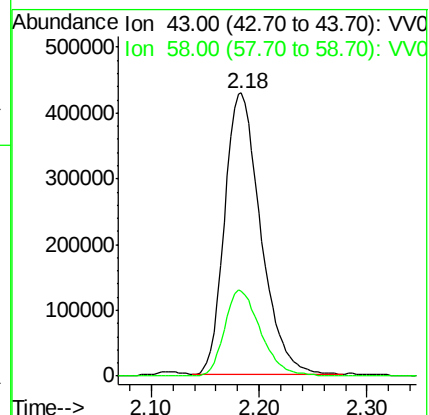
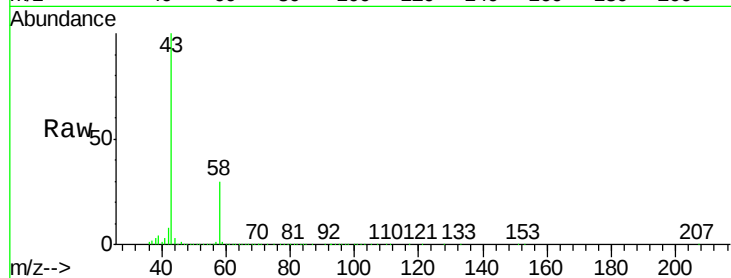
VSTD20064

Tgt Ion: 43 Resp: 992752

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.6



#14

Carbon disulfide

Concen: 252.915 ug/L

RT: 2.30 min Scan# 375

Delta R.T. -0.00 min

Lab File: VV019510.D

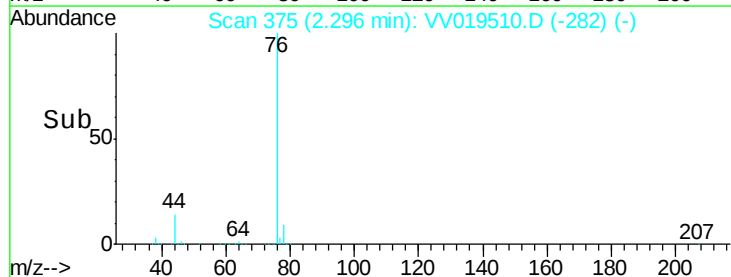
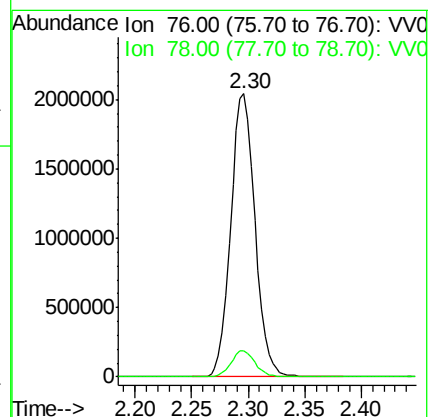
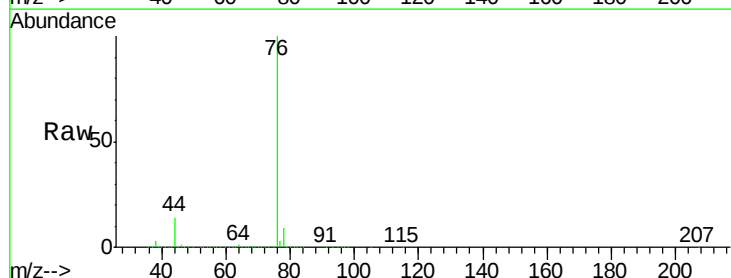
Acq: 10 Dec 2020 13:16

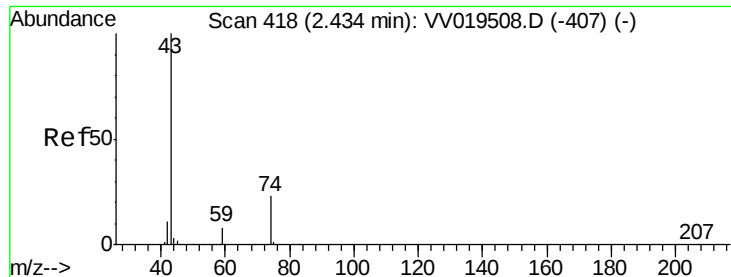
Tgt Ion: 76 Resp: 3053492

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8





#15

Methyl Acetate

Concen: 172.989 ug/L

RT: 2.43 min Scan# 418

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

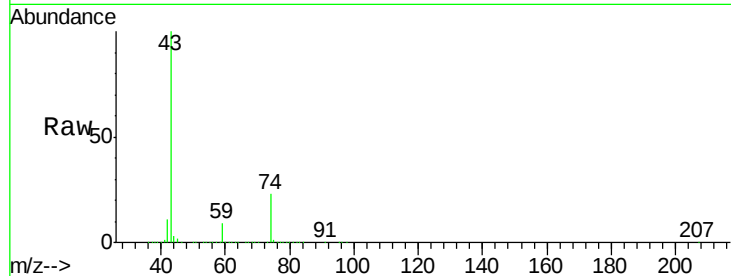
VSTD20064

Tgt Ion: 43 Resp: 1153244

Ion Ratio Lower Upper

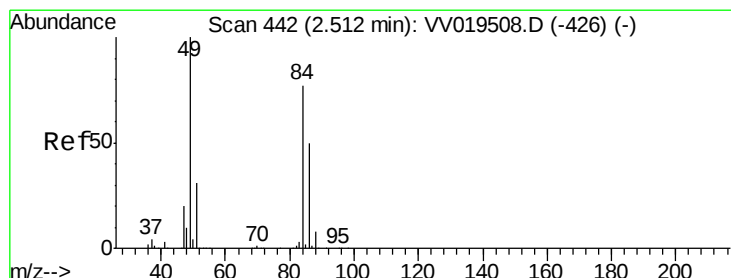
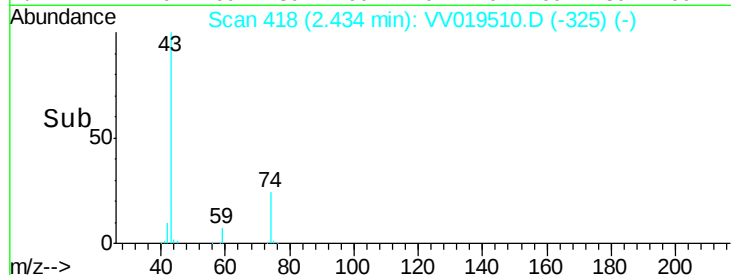
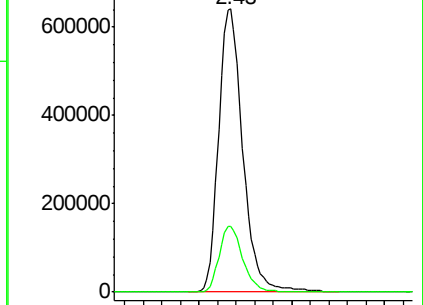
43 100

74 23.2 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VV019510.D (-325) (-)

Ion 74.00 (73.70 to 74.70): VV019510.D (-325) (-)



#16

Methylene chloride

Concen: 187.969 ug/L

RT: 2.51 min Scan# 441

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

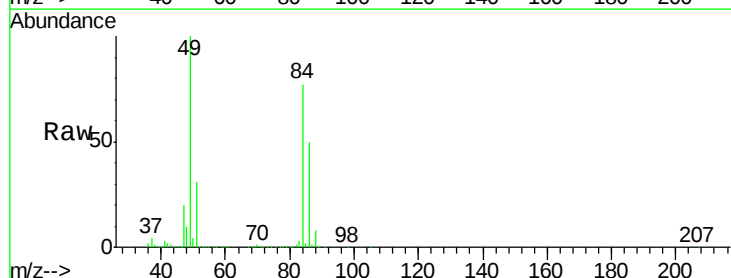
Tgt Ion: 84 Resp: 1060458

Ion Ratio Lower Upper

84 100

86 64.4 45.7 84.9

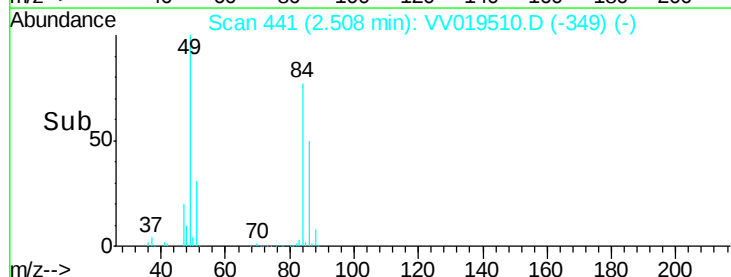
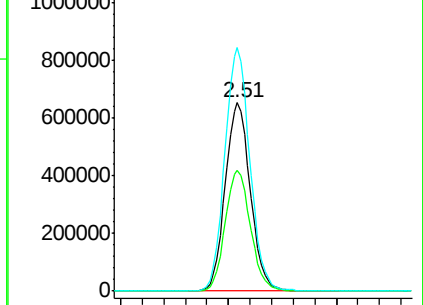
49 129.3 90.6 168.3

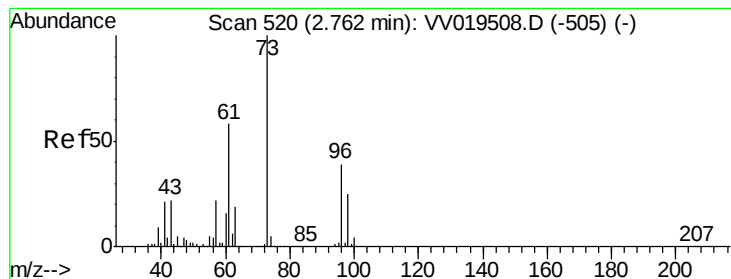


Abundance Ion 84.00 (83.70 to 84.70): VV019510.D (-349) (-)

Ion 86.00 (85.70 to 86.70): VV019510.D (-349) (-)

Ion 49.00 (48.70 to 49.70): VV019510.D (-349) (-)





#17

trans-1,2-Dichloroethene

Concen: 216.670 ug/L

RT: 2.76 min Scan# 520

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

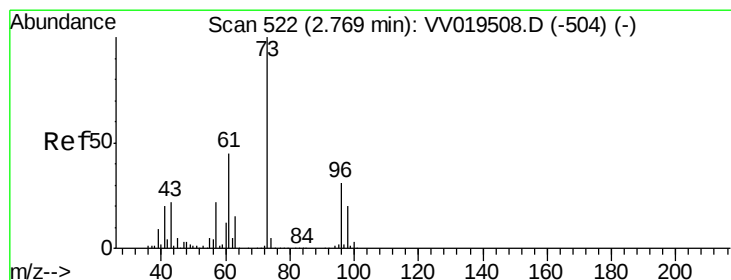
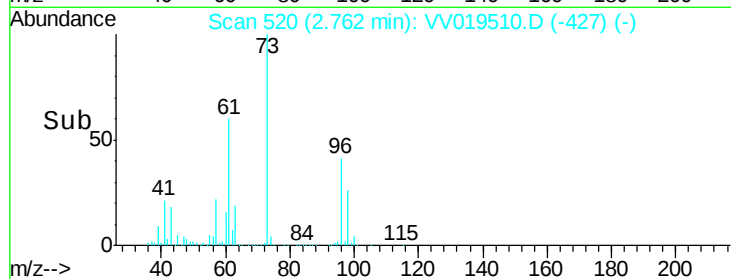
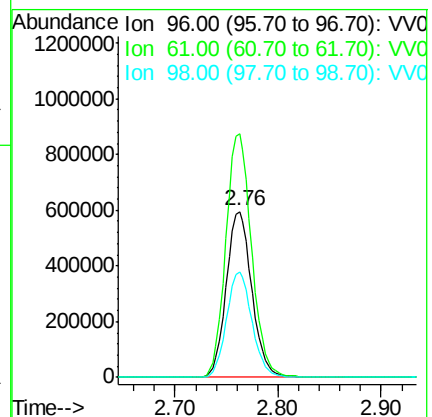
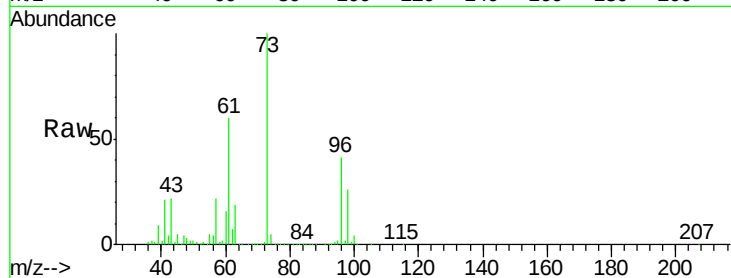
Tgt Ion: 96 Resp: 1027333

Ion Ratio Lower Upper

96 100

61 146.9 103.5 192.1

98 63.6 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 203.743 ug/L

RT: 2.77 min Scan# 522

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

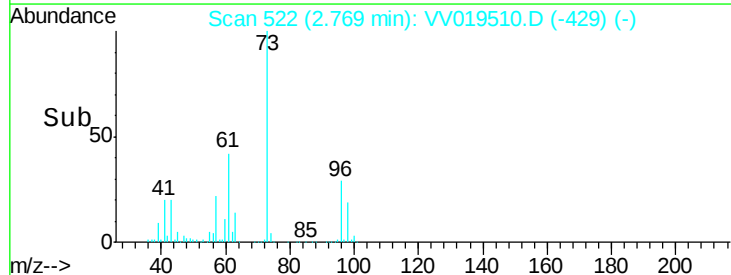
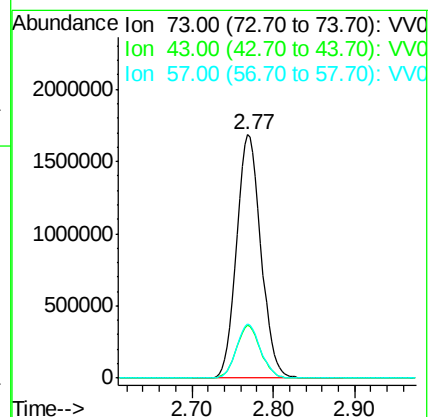
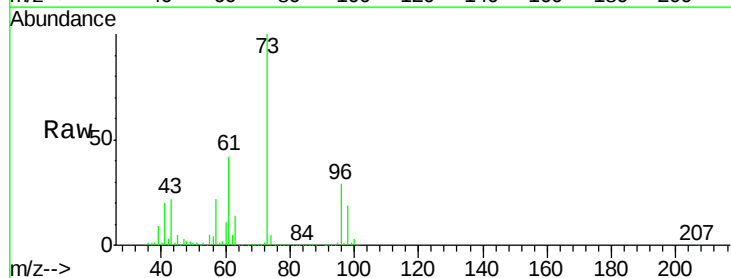
Tgt Ion: 73 Resp: 3514179

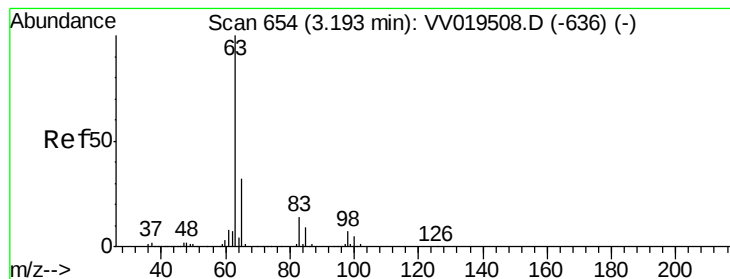
Ion Ratio Lower Upper

73 100

43 21.4 17.3 25.9

57 22.0 17.5 26.3





#19

1,1-Dichloroethane

Concen: 182.598 ug/L

RT: 3.19 min Scan# 654

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

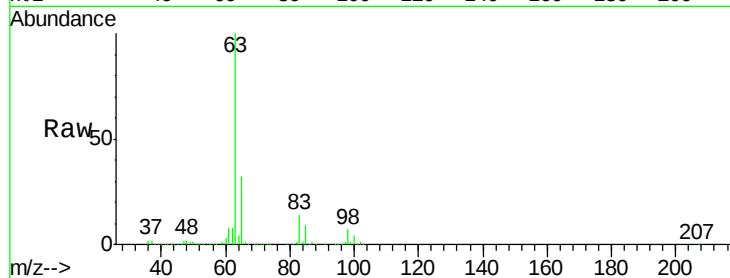
Tgt Ion: 63 Resp: 1954124

Ion Ratio Lower Upper

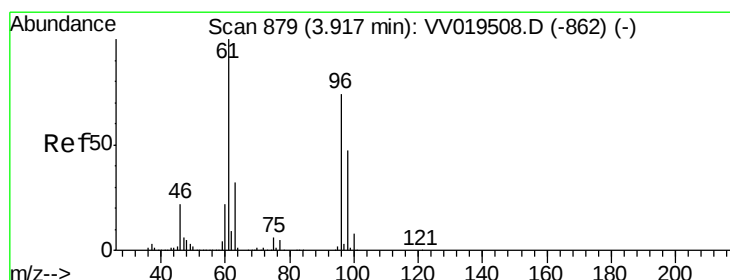
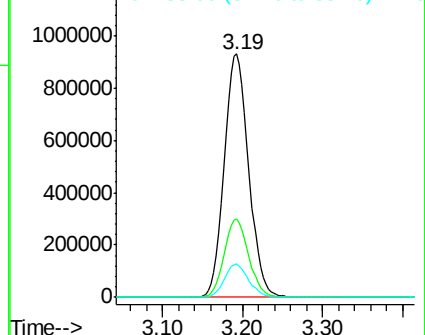
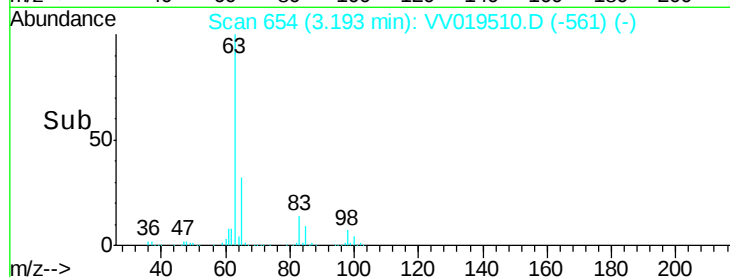
63 100

65 32.3 22.4 41.6

83 13.6 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV019510.D (-561) (-)



#20

cis-1,2-Dichloroethene

Concen: 206.974 ug/L

RT: 3.91 min Scan# 878

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

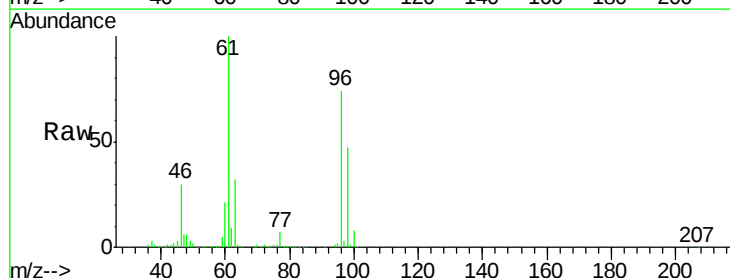
Tgt Ion: 96 Resp: 1128975

Ion Ratio Lower Upper

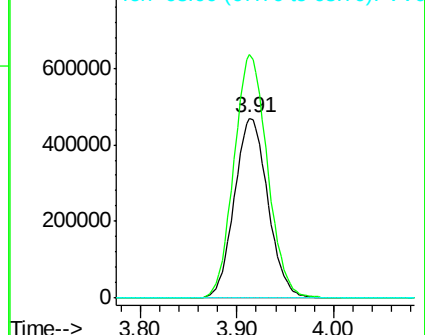
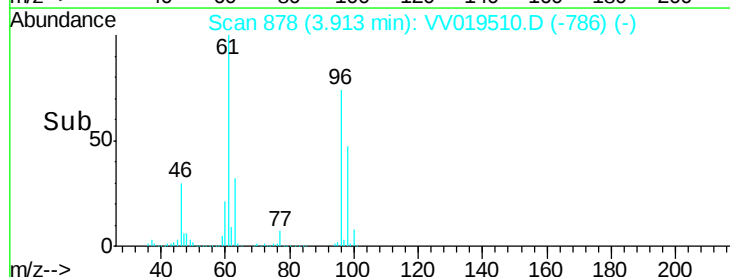
96 100

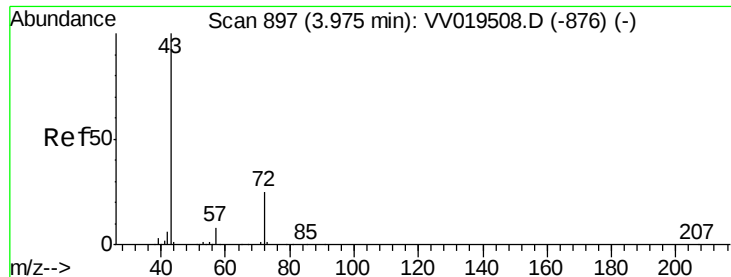
61 135.5 94.1 174.8

68 0.0 0.1 0.1#



Abundance Ion 96.00 (95.70 to 96.70): VV019510.D (-786) (-)





#22

2-Butanone

Concen: 329.537 ug/L

RT: 3.97 min Scan# 896

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

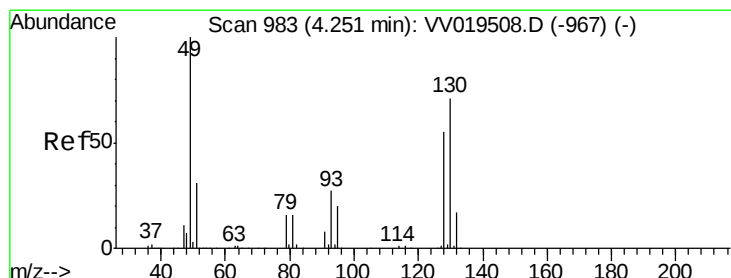
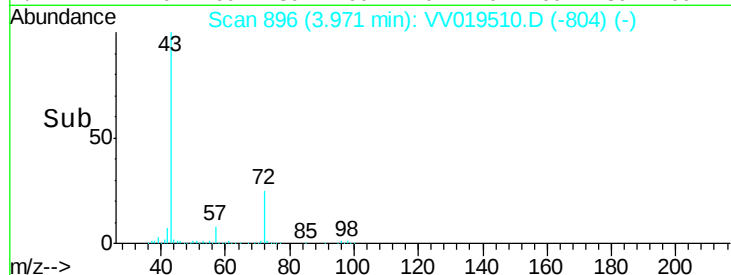
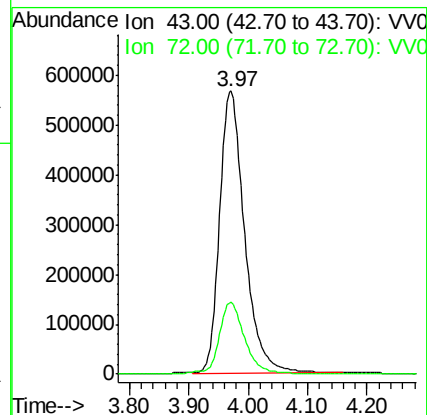
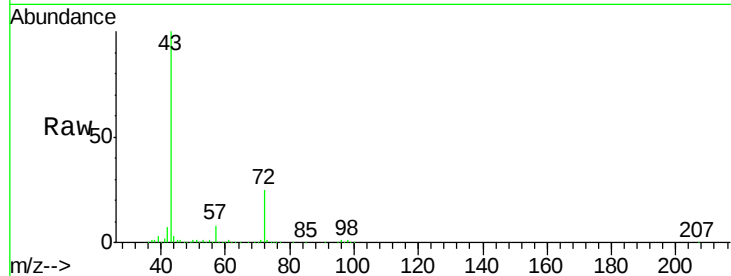
VSTD20064

Tgt Ion: 43 Resp: 1650647

Ion Ratio Lower Upper

43 100

72 26.2 12.3 36.9



#23

Bromochloromethane

Concen: 205.468 ug/L

RT: 4.25 min Scan# 983

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Tgt Ion: 128 Resp: 552673

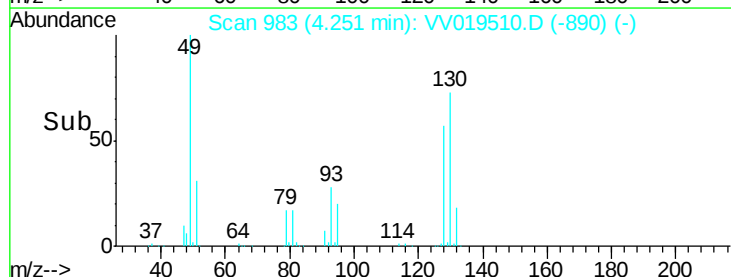
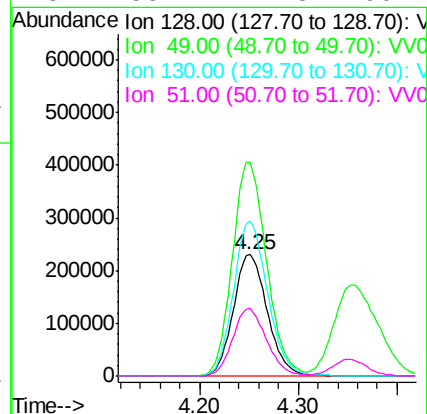
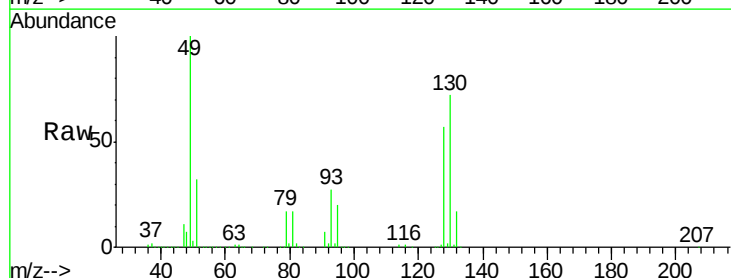
Ion Ratio Lower Upper

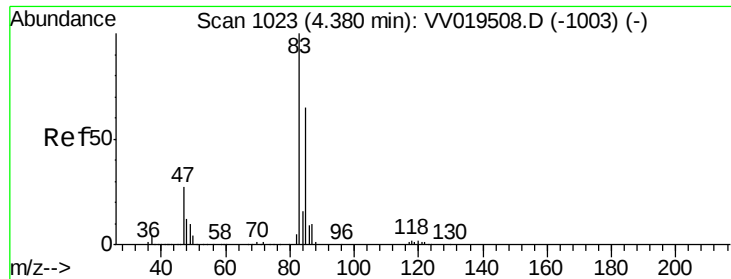
128 100

49 175.8 127.0 235.8

130 127.3 90.3 167.7

51 55.4 44.5 66.7

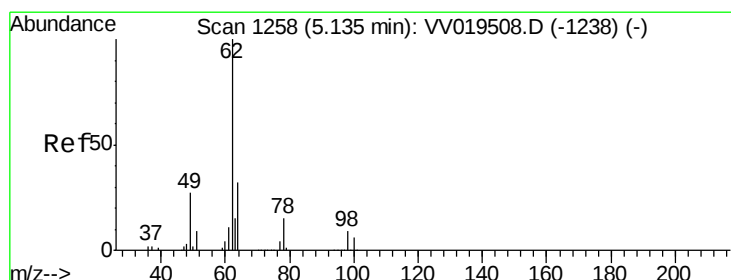
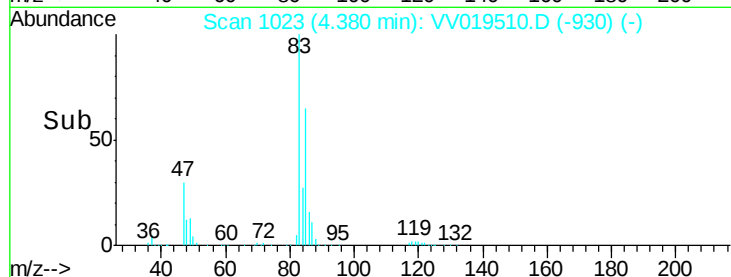
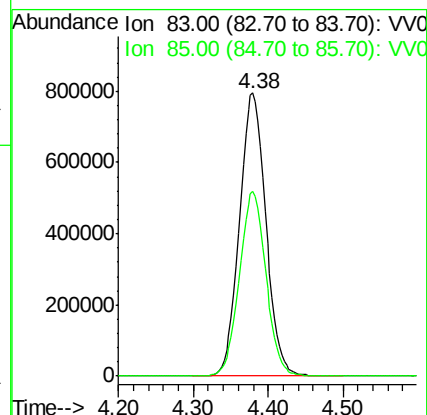
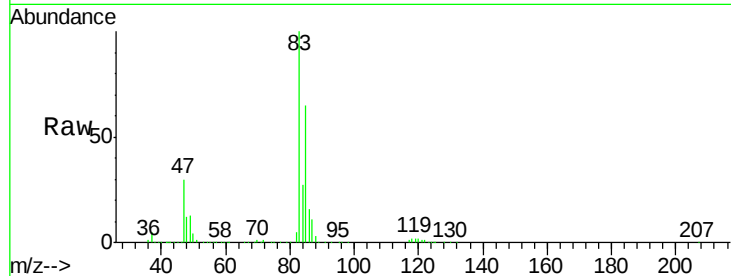




#25
Chloroform
Concen: 184.289 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VV019510.D
Acq: 10 Dec 2020 13:16

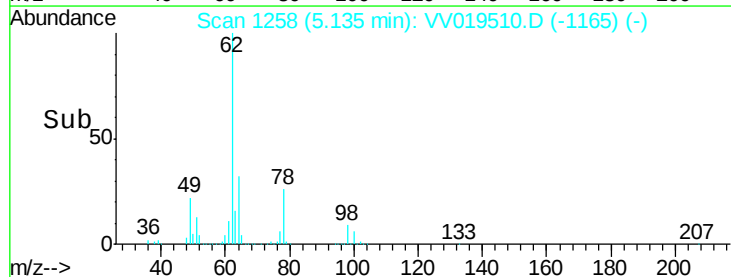
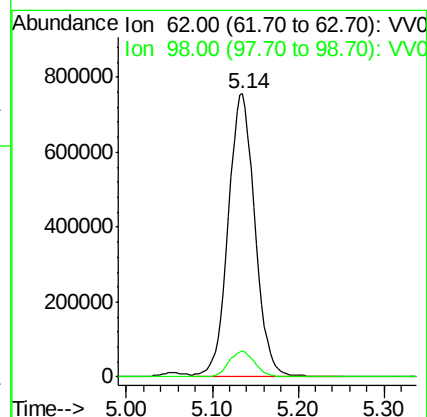
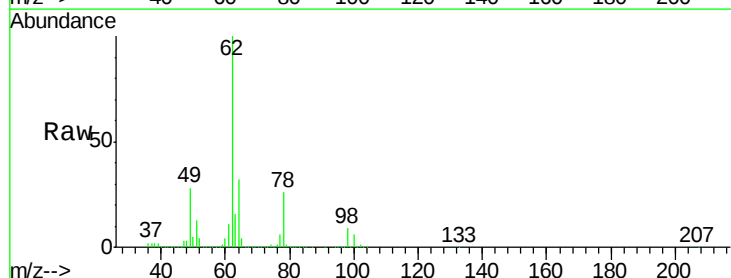
Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

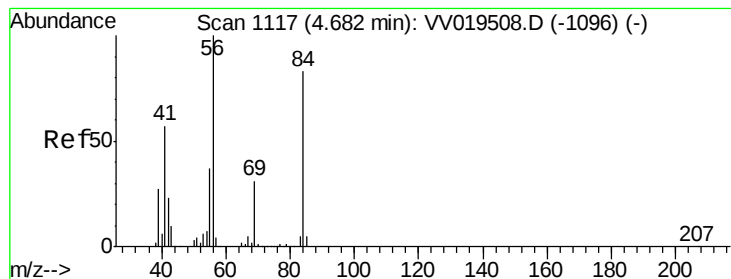
Tgt Ion: 83 Resp: 1952469
Ion Ratio Lower Upper
83 100
85 65.4 45.6 84.6



#27
1,2-Dichloroethane
Concen: 188.273 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VV019510.D
Acq: 10 Dec 2020 13:16

Tgt Ion: 62 Resp: 1626709
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.0





#29

Cyclohexane

Concen: 230.833 ug/L

RT: 4.68 min Scan# 1117

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

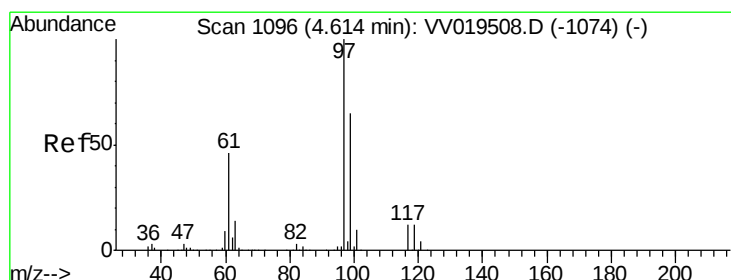
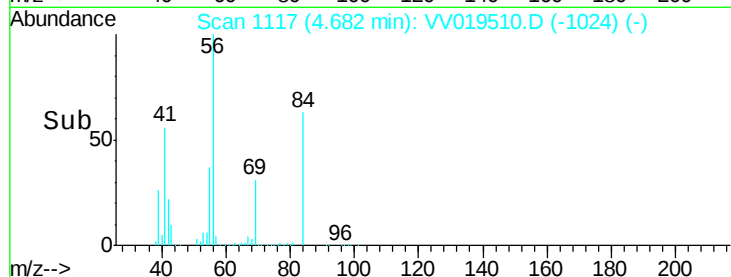
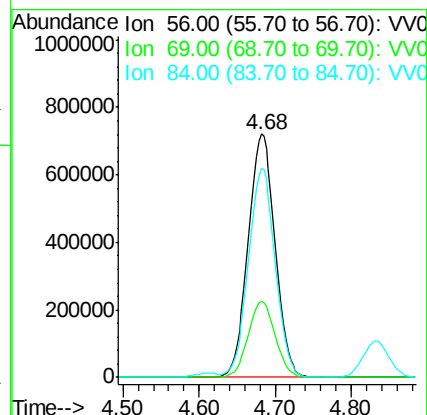
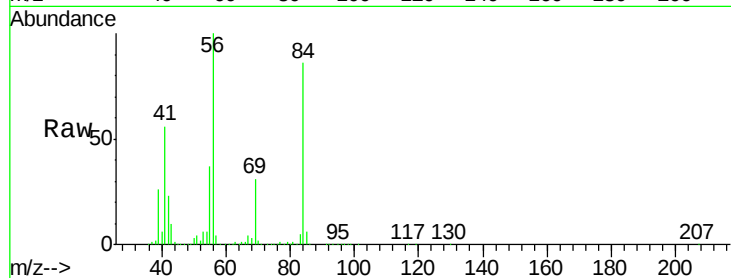
Tgt Ion: 56 Resp: 1774680

Ion Ratio Lower Upper

56 100

69 31.3 24.6 37.0

84 85.8 68.2 102.4



#30

1,1,1-Trichloroethane

Concen: 205.286 ug/L

RT: 4.61 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

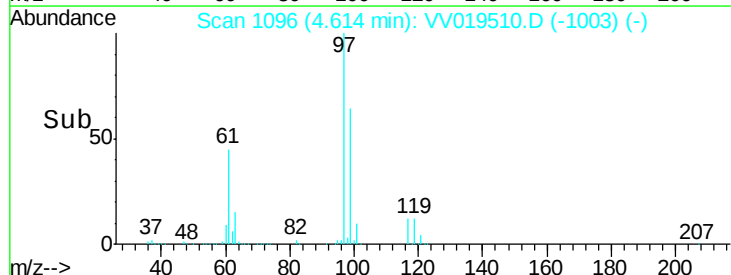
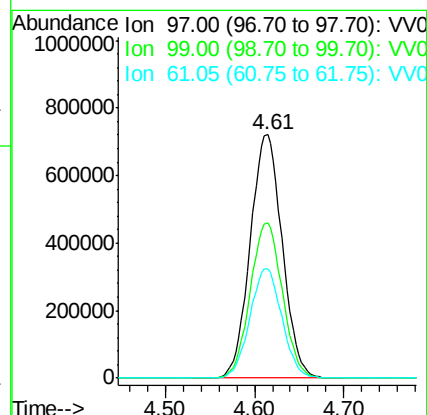
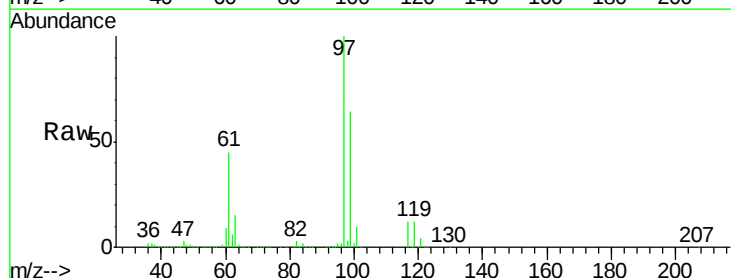
Tgt Ion: 97 Resp: 1805525

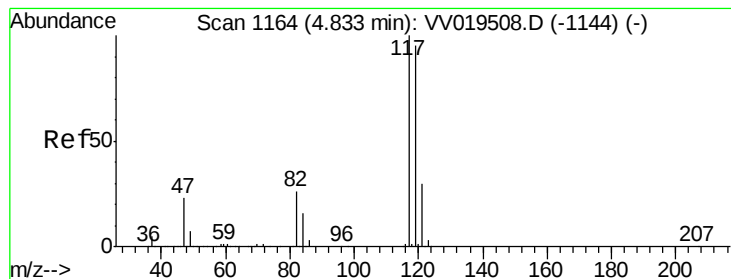
Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 45.1 36.3 54.5





#31

Carbon tetrachloride

Concen: 211.712 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

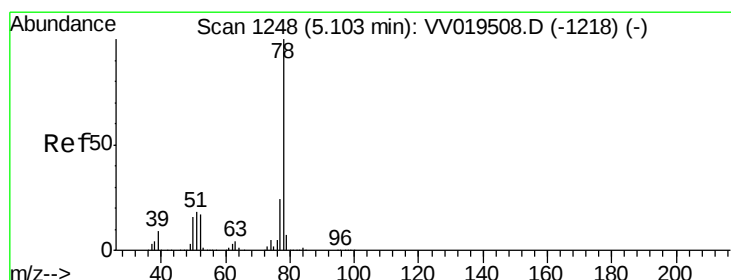
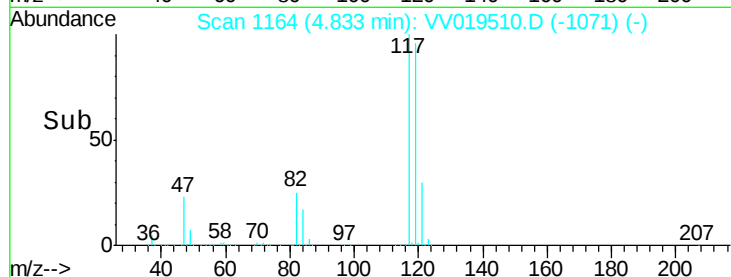
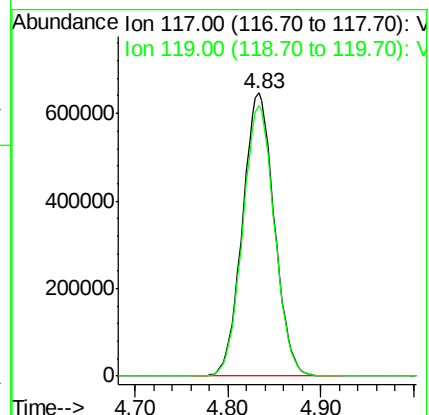
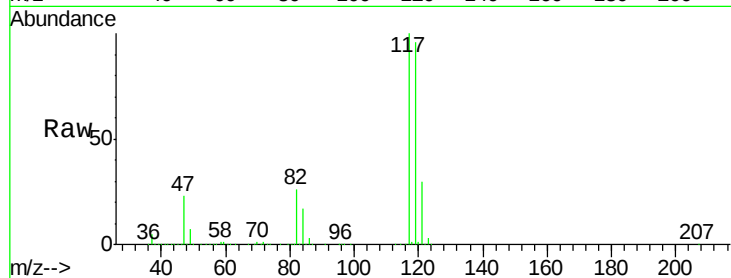
VSTD20064

Tgt Ion:117 Resp: 1533715

Ion Ratio Lower Upper

117 100

119 95.7 75.7 113.5



#33

Benzene

Concen: 202.967 ug/L

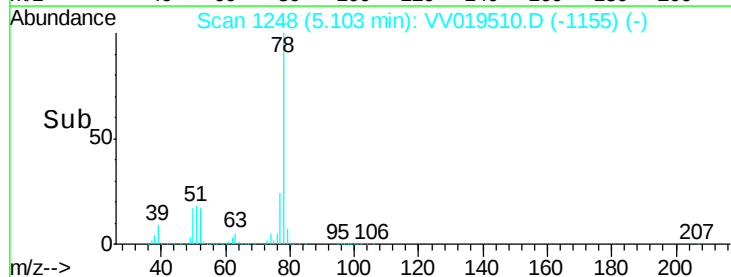
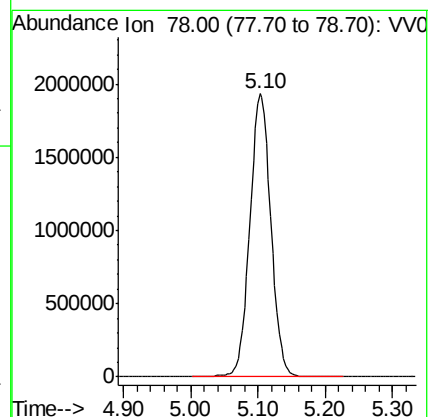
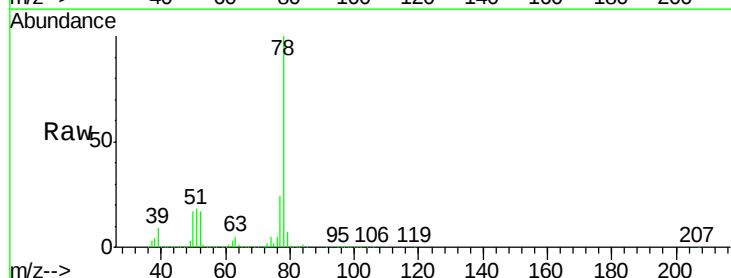
RT: 5.10 min Scan# 1248

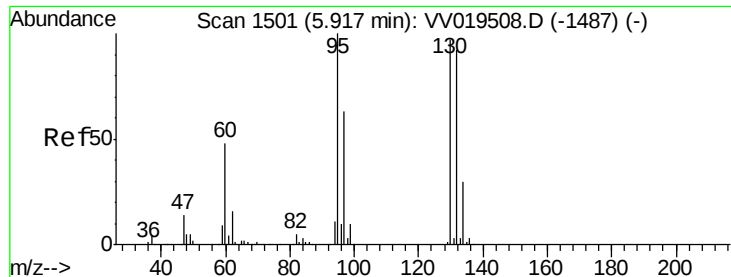
Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Tgt Ion: 78 Resp: 4187882

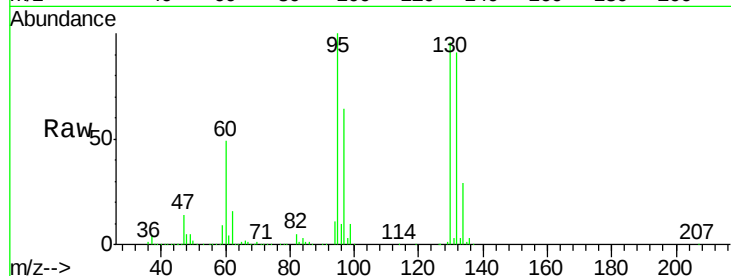




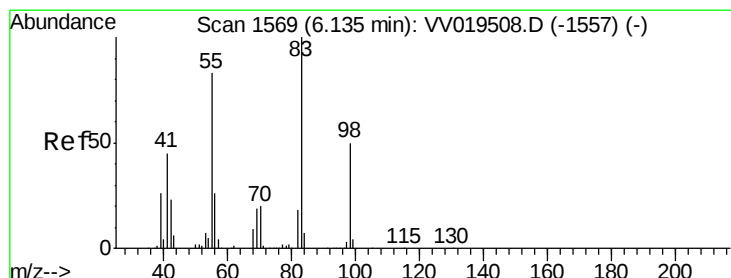
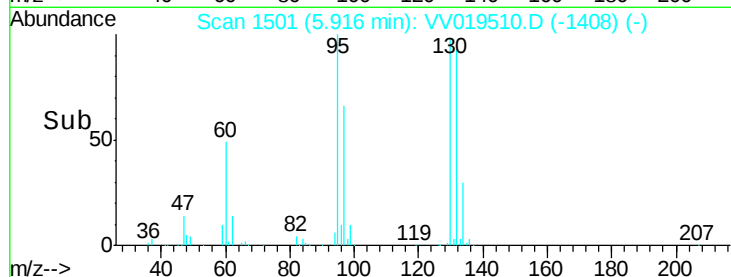
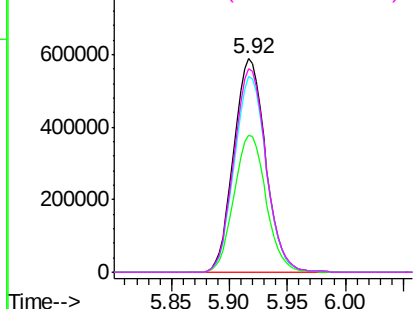
#34
 Trichloroethene
 Concen: 194.931 ug/L
 RT: 5.92 min Scan# 1501
 Delta R.T. -0.00 min
 Lab File: VV019510.D
 Acq: 10 Dec 2020 13:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Tgt Ion: 95 Resp: 1124294
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.4 82.4
 132 91.4 64.3 119.3
 130 95.6 67.8 125.8

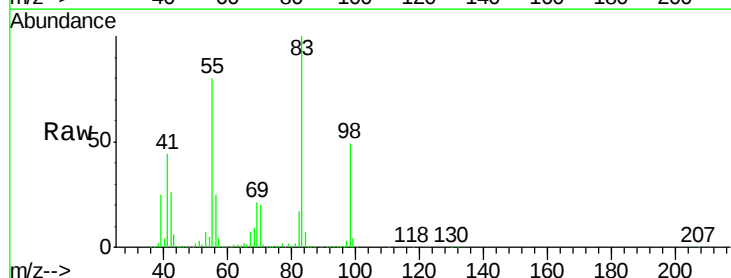


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

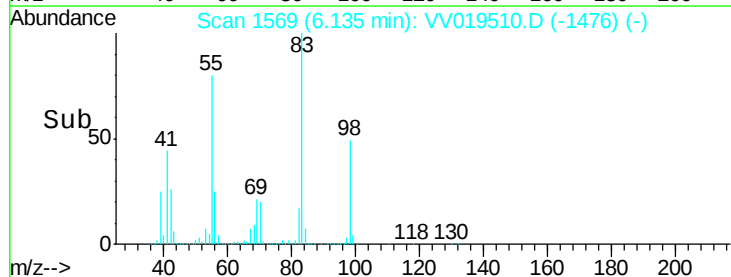
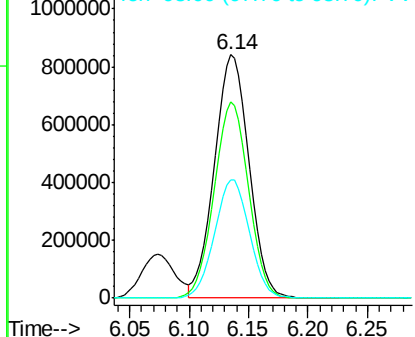


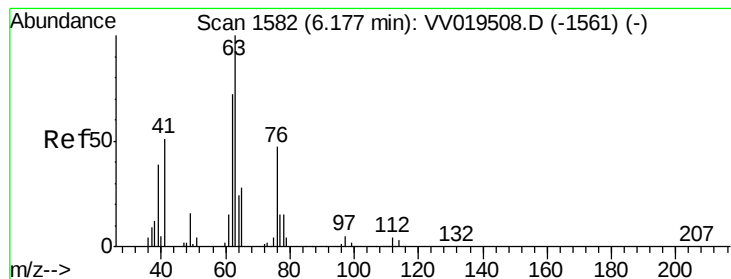
#35
 Methylcyclohexane
 Concen: 237.505 ug/L
 RT: 6.14 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VV019510.D
 Acq: 10 Dec 2020 13:16

Tgt Ion: 83 Resp: 1697342
 Ion Ratio Lower Upper
 83 100
 55 80.1 64.2 96.4
 98 48.9 39.3 58.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 186.272 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

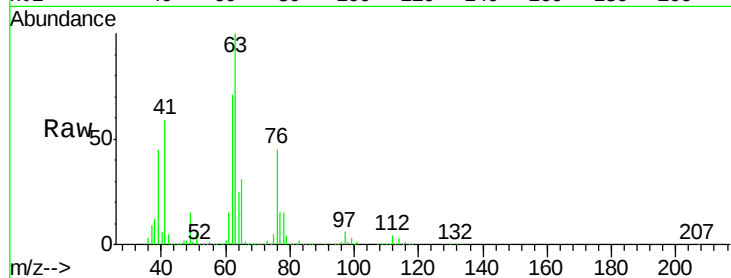
VSTD20064

Tgt Ion: 63 Resp: 1115339

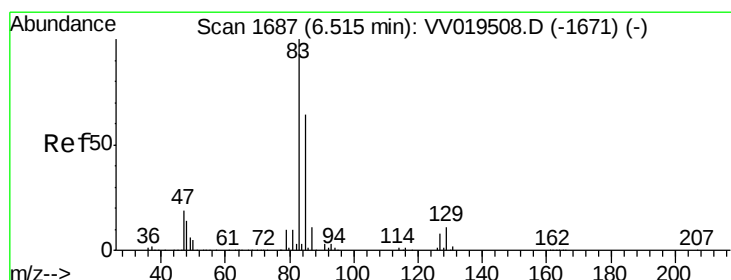
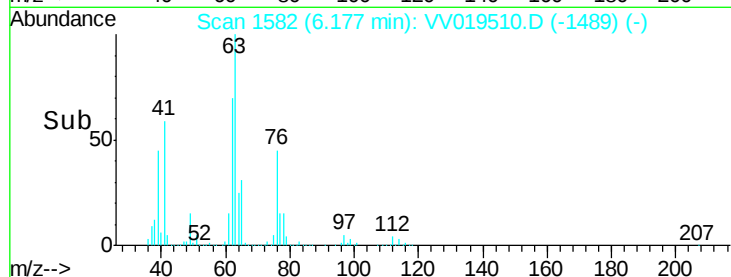
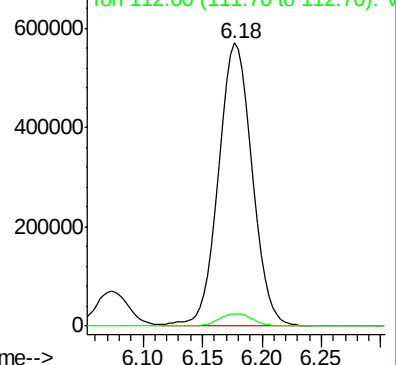
Ion Ratio Lower Upper

63 100

112 4.5 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV019510.D (-1489) (-)



#38

Bromodichloromethane

Concen: 198.373 ug/L

RT: 6.51 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

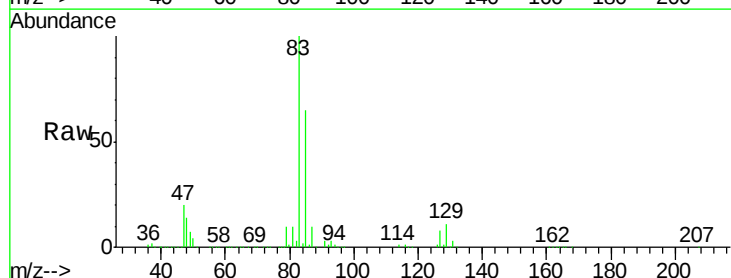
Tgt Ion: 83 Resp: 1554266

Ion Ratio Lower Upper

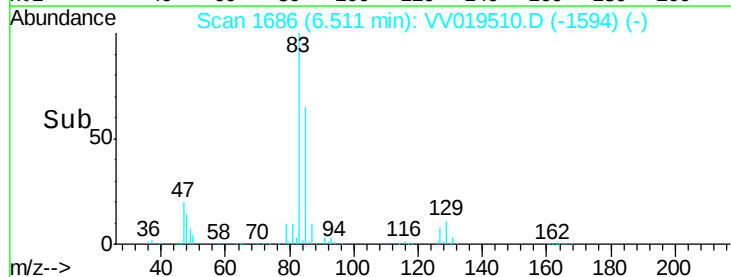
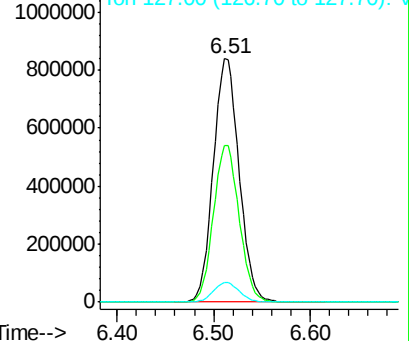
83 100

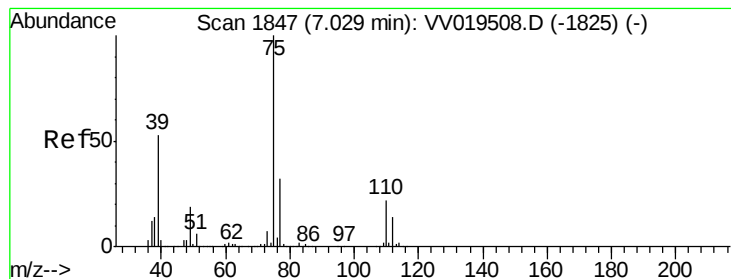
85 64.5 44.9 83.5

127 8.1 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV019510.D (-1594) (-)



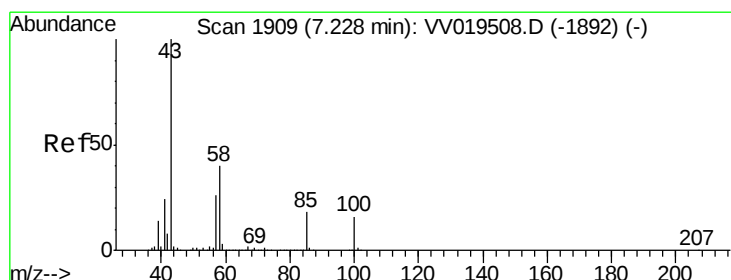
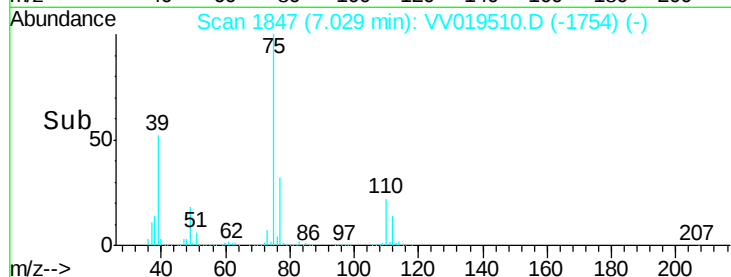
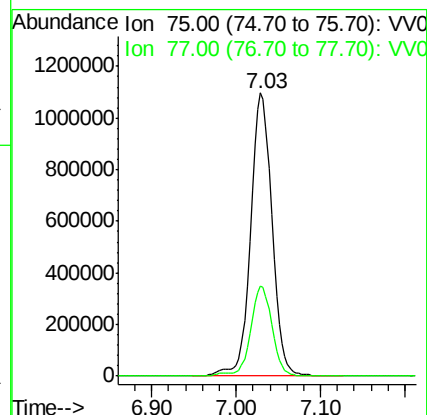
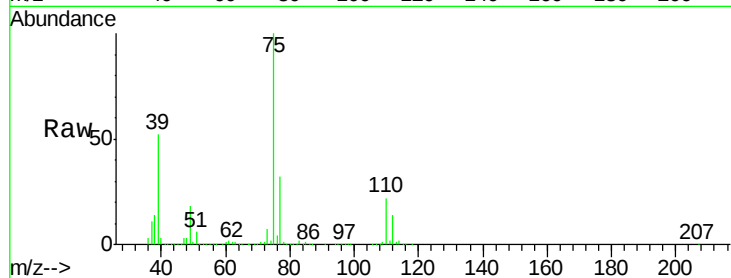


#39

cis-1,3-Dichloropropene
Concen: 224.337 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VV019510.D
Acq: 10 Dec 2020 13:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

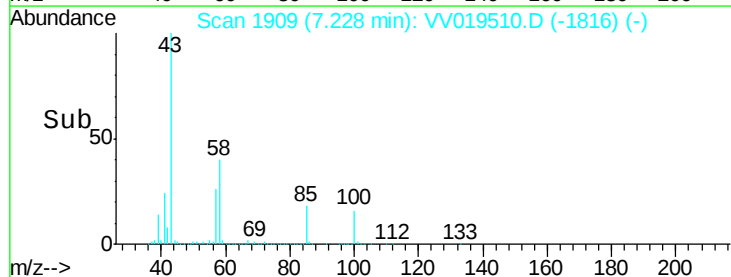
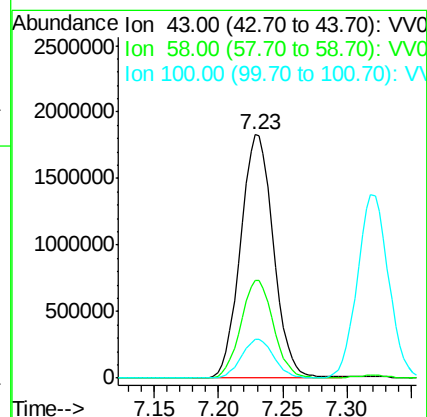
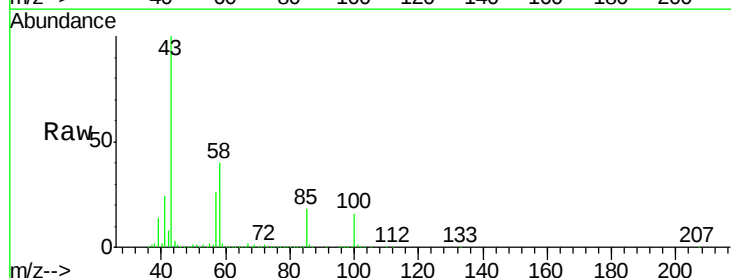
Tgt Ion: 75 Resp: 1945478
Ion Ratio Lower Upper
75 100
77 31.7 22.4 41.6

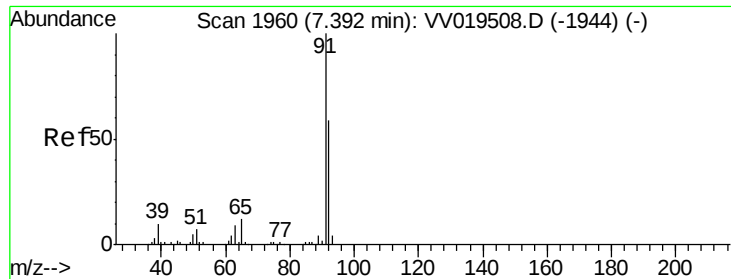


#40

4-Methyl-2-pentanone
Concen: 370.011 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VV019510.D
Acq: 10 Dec 2020 13:16

Tgt Ion: 43 Resp: 3248523
Ion Ratio Lower Upper
43 100
58 39.9 31.7 47.5
100 15.8 12.5 18.7





#42

Toluene

Concen: 212.615 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

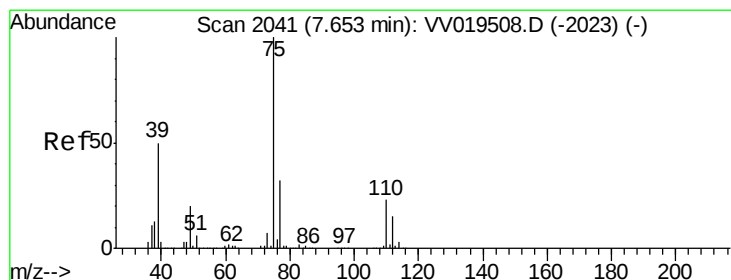
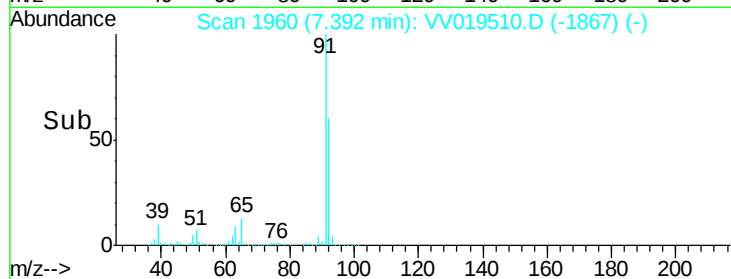
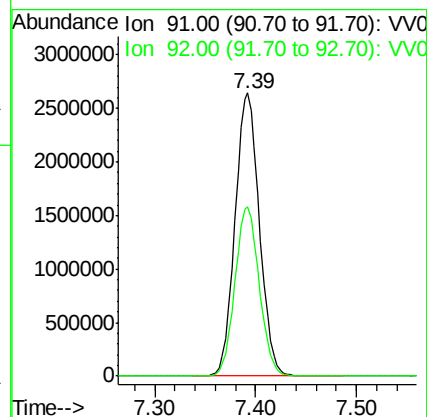
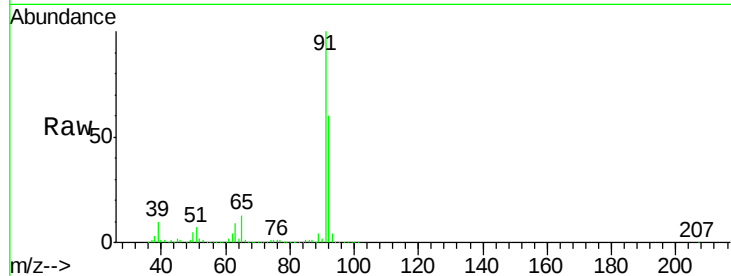
VSTD20064

Tgt Ion: 91 Resp: 4446119

Ion Ratio Lower Upper

91 100

92 60.0 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 216.722 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. -0.00 min

Lab File: VV019510.D

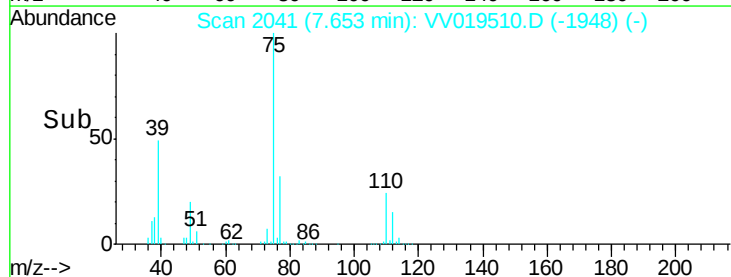
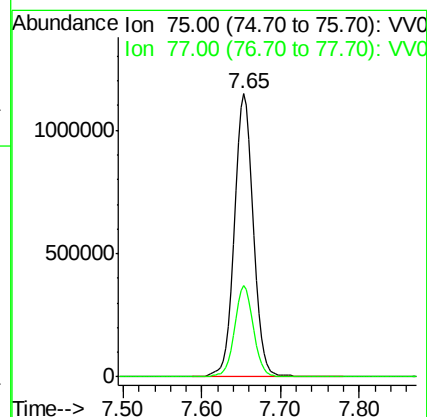
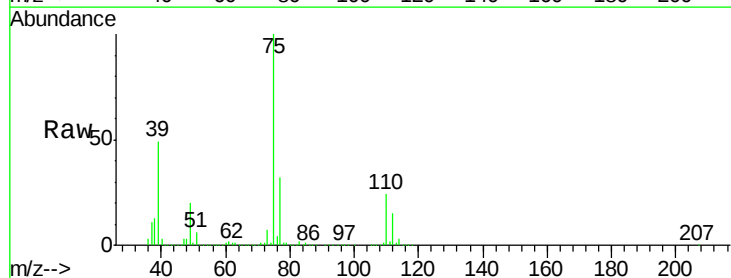
Acq: 10 Dec 2020 13:16

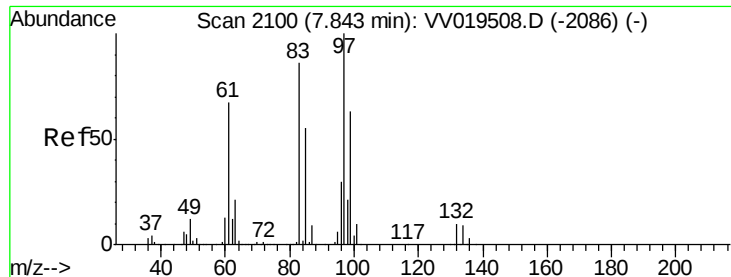
Tgt Ion: 75 Resp: 1903483

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.9



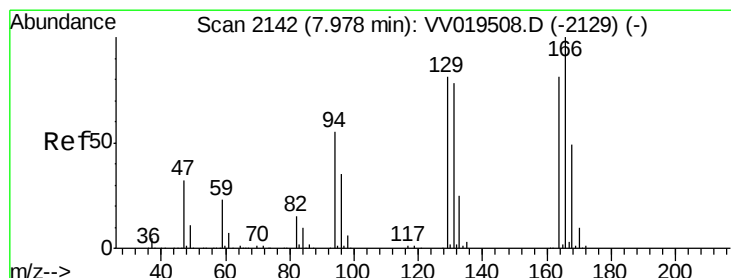
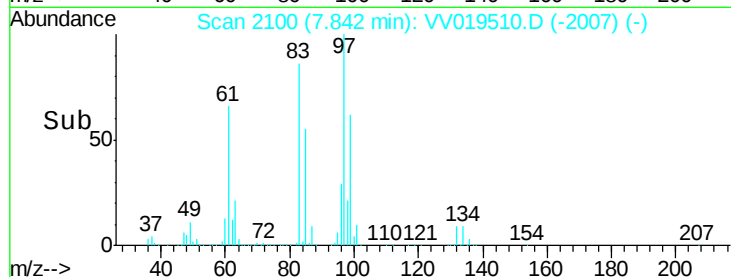
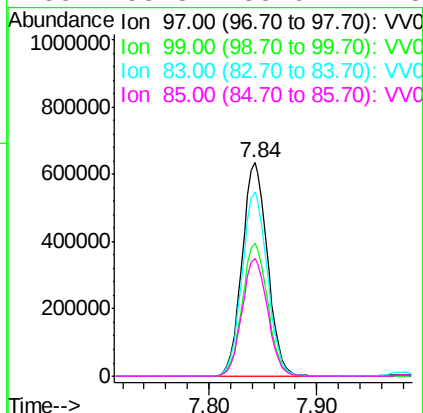
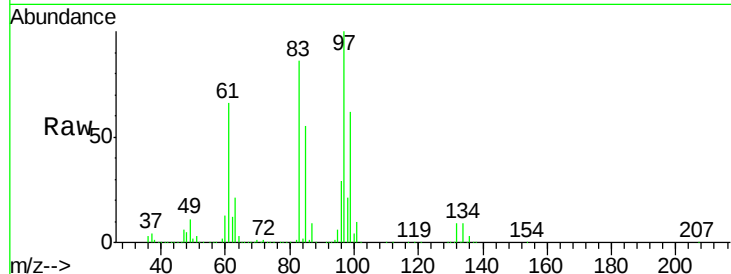


#45
 1,1,2-Trichloroethane
 Concen: 191.756 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. -0.00 min
 Lab File: VV019510.D
 Acq: 10 Dec 2020 13:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Tgt Ion: 97 Resp: 1041373

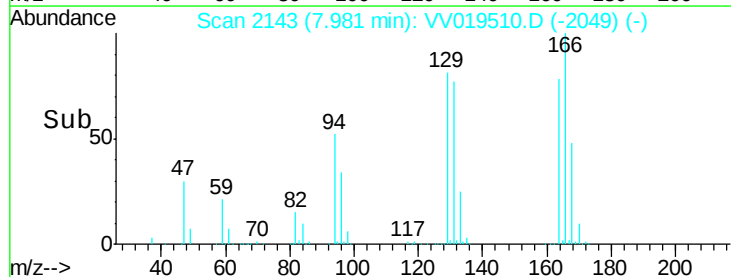
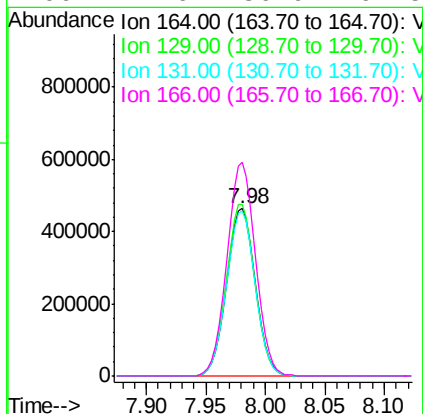
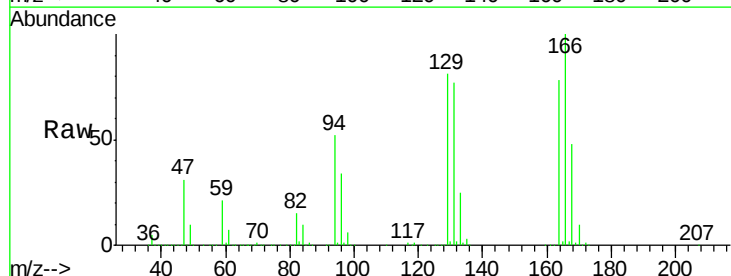
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.1	81.9
83	86.4	60.0	111.4
85	55.3	38.6	71.8

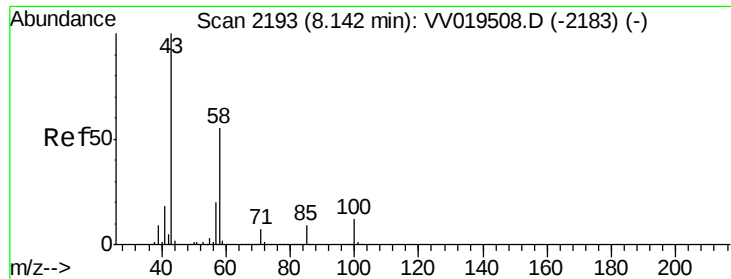


#46
 Tetrachloroethene
 Concen: 217.887 ug/L
 RT: 7.98 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VV019510.D
 Acq: 10 Dec 2020 13:16

Tgt Ion: 164 Resp: 775681

Ion	Ratio	Lower	Upper
164	100		
129	102.8	70.6	131.0
131	98.7	68.0	126.4
166	127.6	86.9	161.5

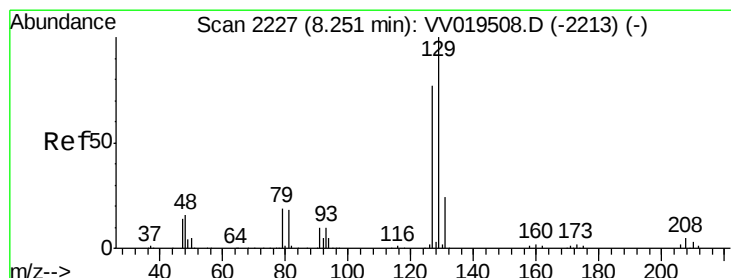
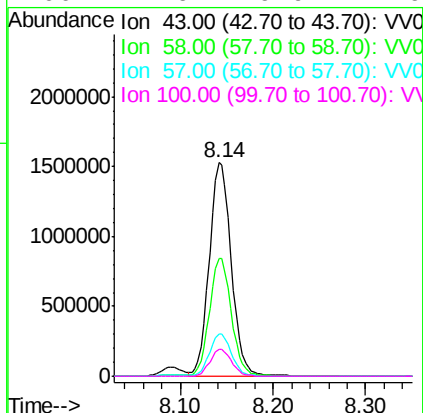
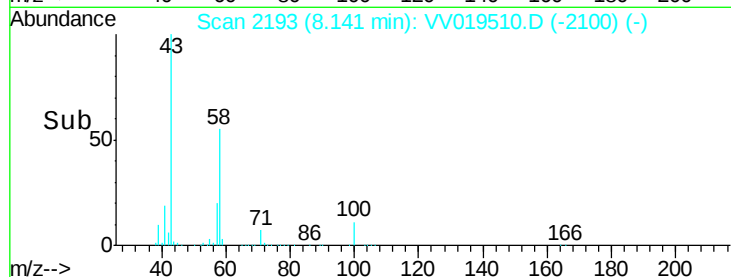
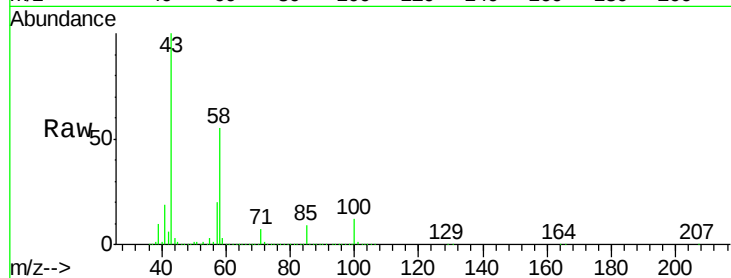




#48
2-Hexanone
Concen: 359.389 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VV019510.D
Acq: 10 Dec 2020 13:16

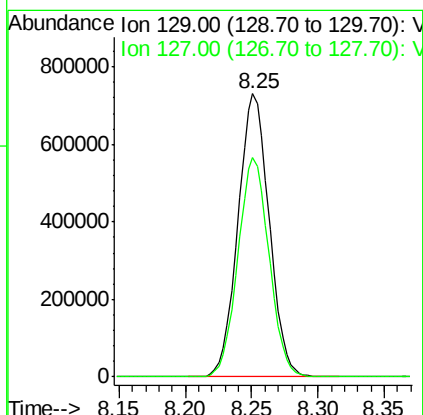
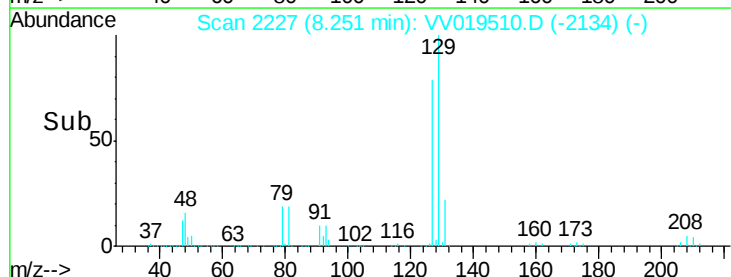
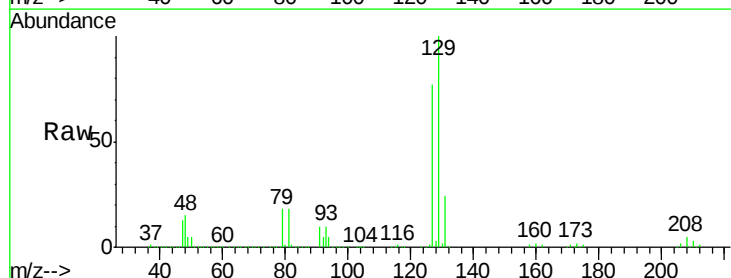
Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

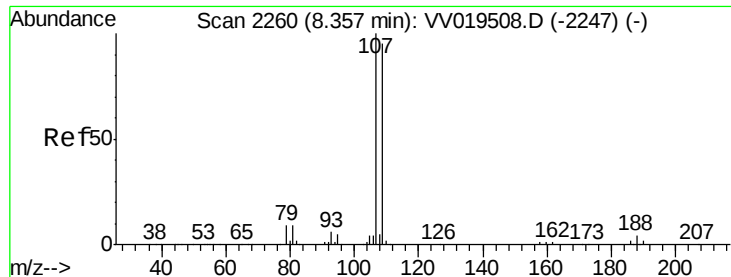
Tgt Ion: 43 Resp: 2506498
Ion Ratio Lower Upper
43 100
58 55.0 44.4 66.6
57 19.9 15.7 23.5
100 12.6 9.9 14.9



#49
Dibromochloromethane
Concen: 209.950 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. -0.00 min
Lab File: VV019510.D
Acq: 10 Dec 2020 13:16

Tgt Ion: 129 Resp: 1194228
Ion Ratio Lower Upper
129 100
127 77.4 54.2 100.6

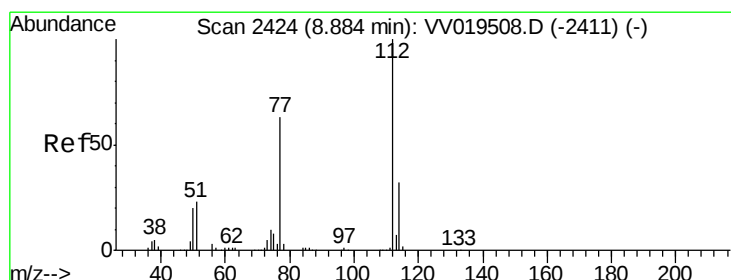
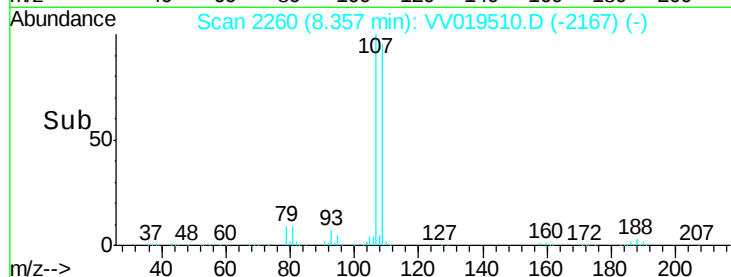
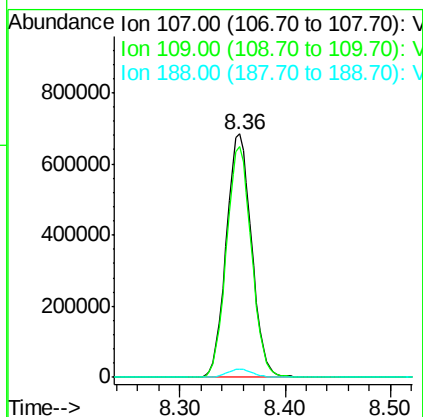
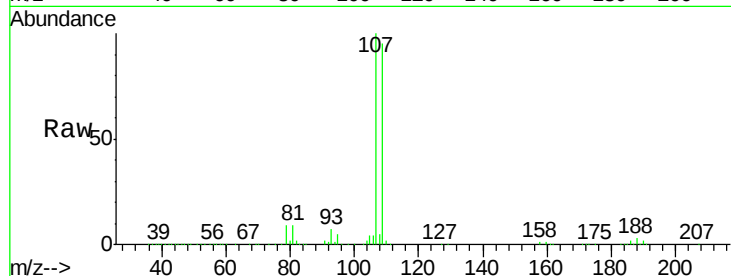




#50
 1,2-Dibromoethane
 Concen: 207.538 ug/L
 RT: 8.36 min Scan# 2260
 Delta R.T. -0.00 min
 Lab File: VV019510.D
 Acq: 10 Dec 2020 13:16

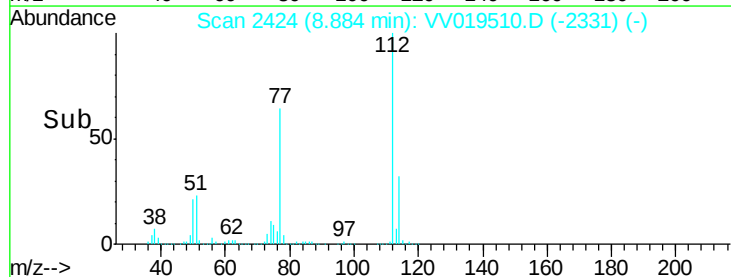
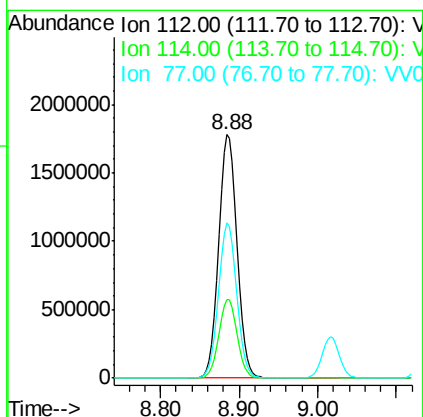
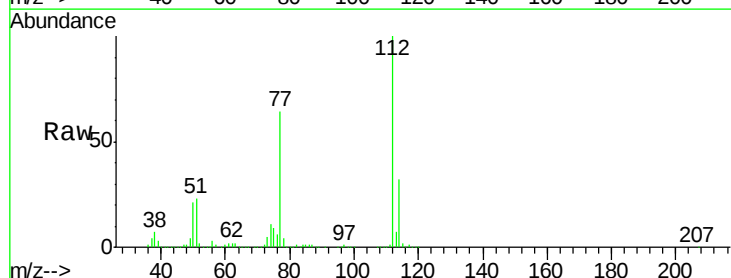
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

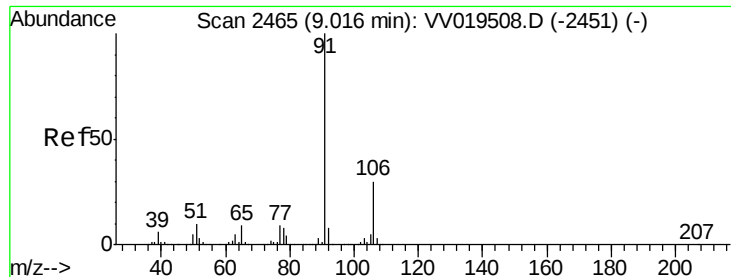
Tgt Ion:107 Resp: 1131018
 Ion Ratio Lower Upper
 107 100
 109 94.6 66.4 123.2
 188 3.4 2.9 4.3



#51
 Chlorobenzene
 Concen: 209.089 ug/L
 RT: 8.88 min Scan# 2424
 Delta R.T. -0.00 min
 Lab File: VV019510.D
 Acq: 10 Dec 2020 13:16

Tgt Ion:112 Resp: 2855456
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.2 41.2
 77 63.6 50.6 75.8





#52

Ethylbenzene

Concen: 220.406 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

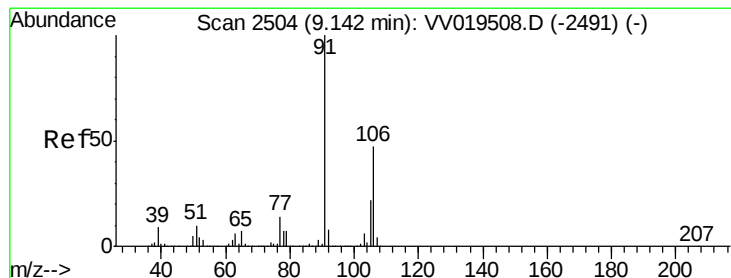
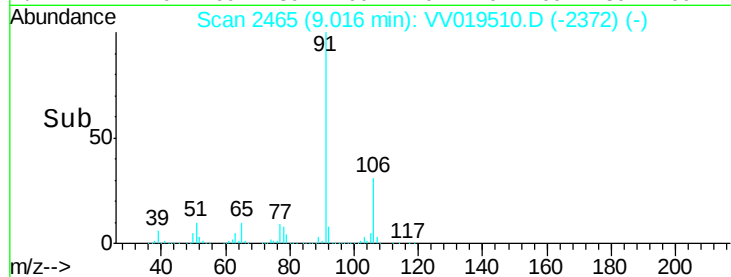
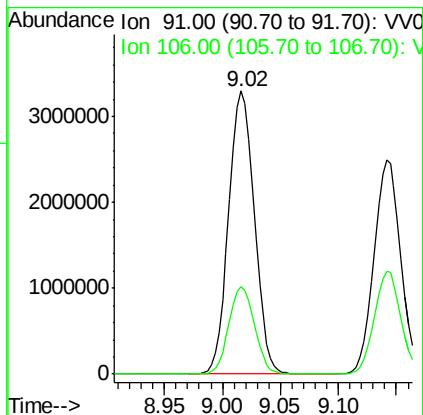
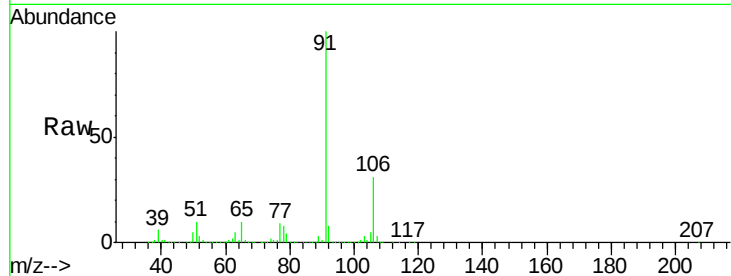
VSTD20064

Tgt Ion: 91 Resp: 5072551

Ion Ratio Lower Upper

91 100

106 31.0 21.1 39.3



#53

m,p-Xylene

Concen: 232.380 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VV019510.D

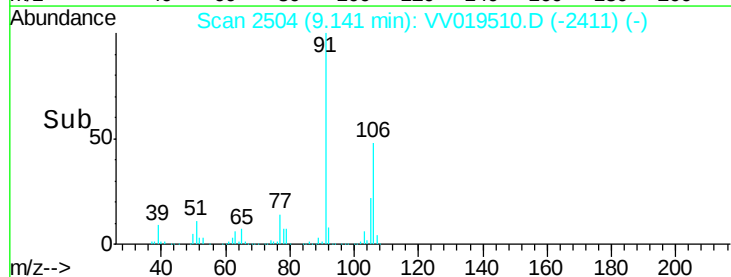
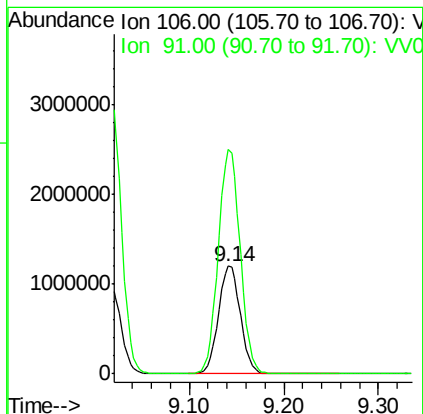
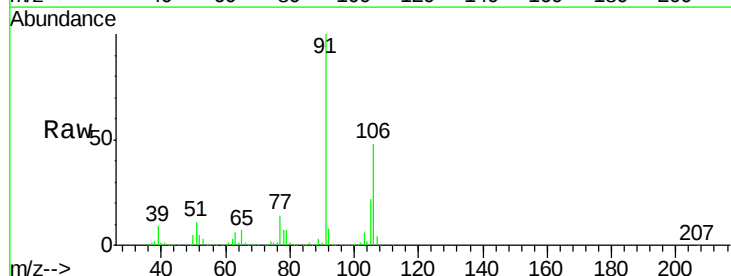
Acq: 10 Dec 2020 13:16

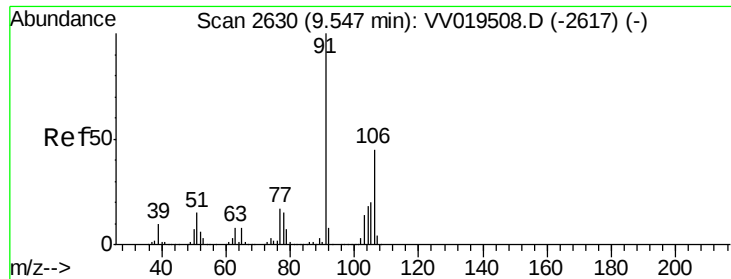
Tgt Ion: 106 Resp: 1921164

Ion Ratio Lower Upper

106 100

91 207.8 147.7 274.3





#54

o-xylene

Concen: 235.905 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

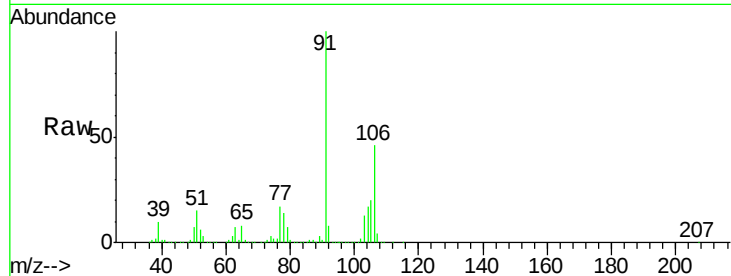
VSTD20064

Tgt Ion:106 Resp: 1888459

Ion Ratio Lower Upper

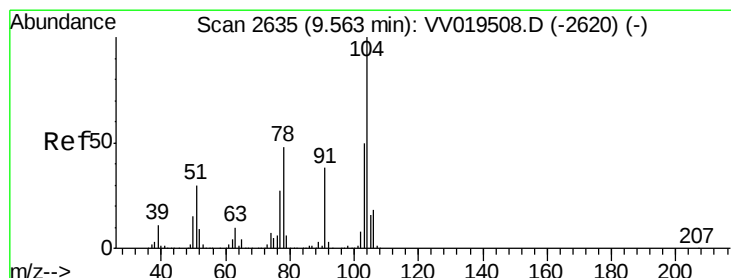
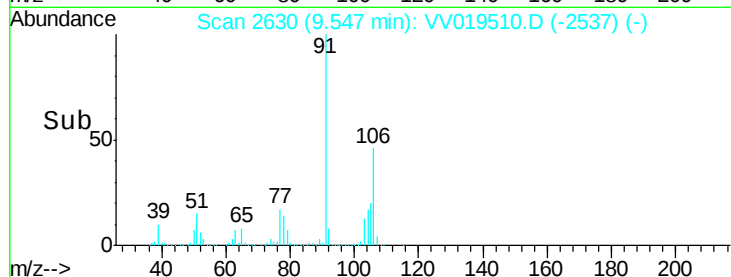
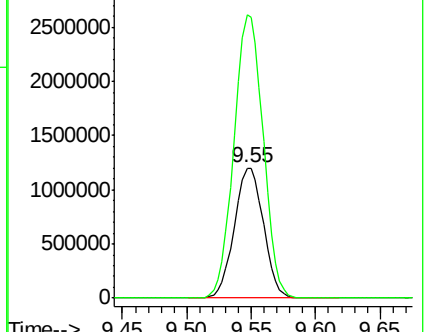
106 100

91 217.7 156.7 291.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 234.331 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019510.D

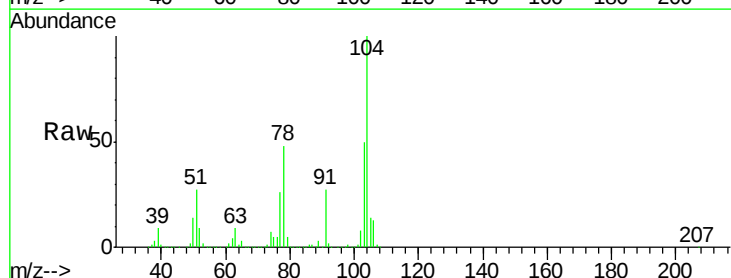
Acq: 10 Dec 2020 13:16

Tgt Ion:104 Resp: 3321240

Ion Ratio Lower Upper

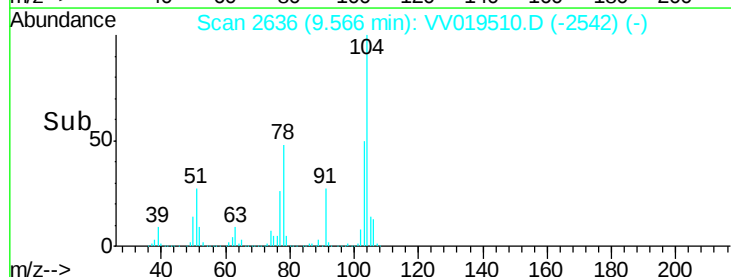
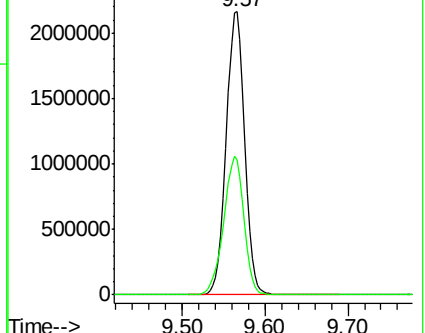
104 100

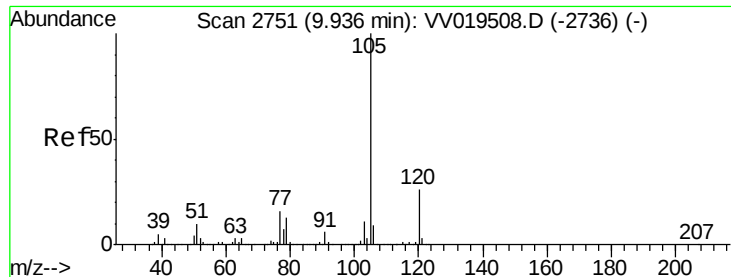
78 47.6 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 226.746 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

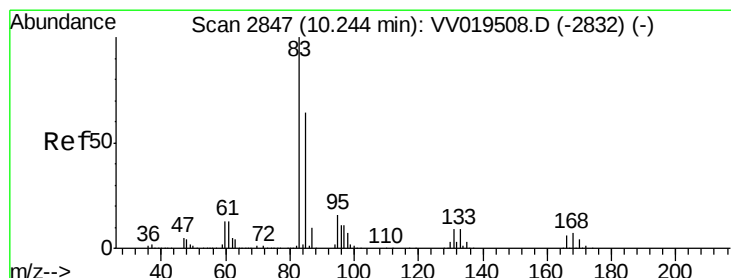
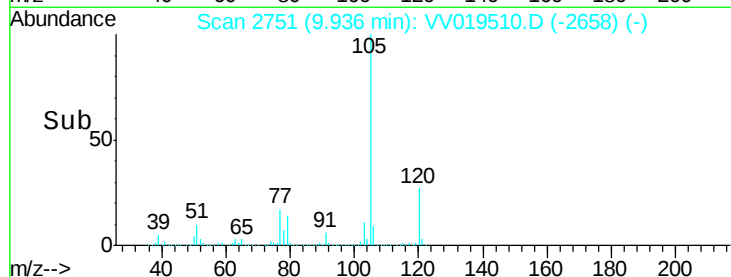
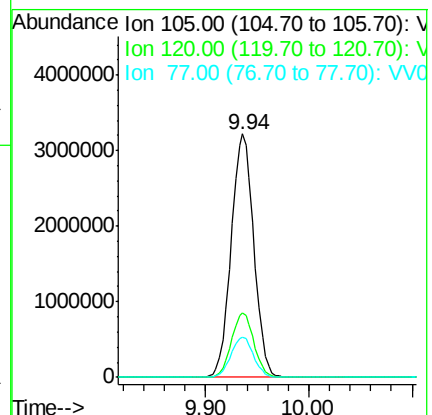
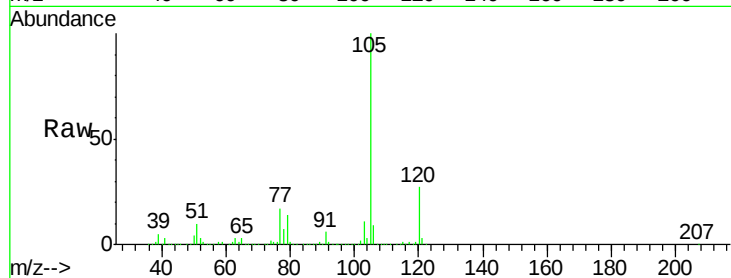
Tgt Ion:105 Resp: 4914058

Ion Ratio Lower Upper

105 100

120 26.4 20.6 31.0

77 16.7 13.2 19.8



#58

1,1,2,2-Tetrachloroethane

Concen: 206.536 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

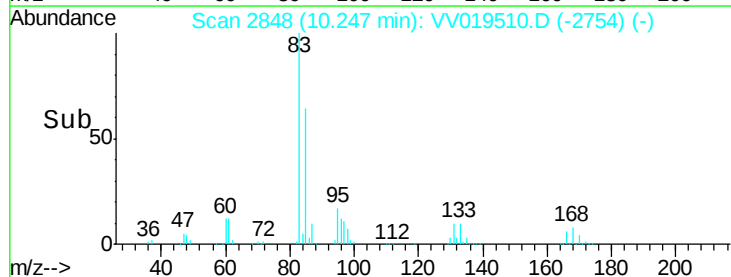
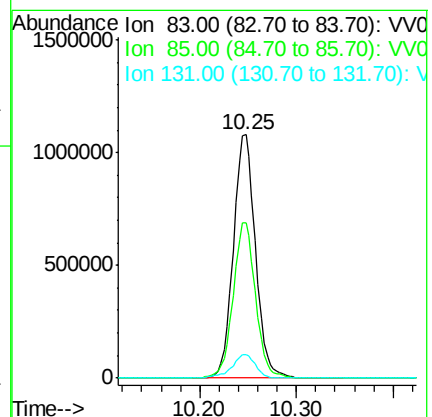
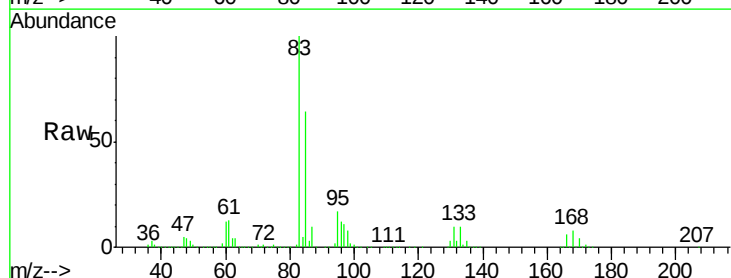
Tgt Ion: 83 Resp: 1710802

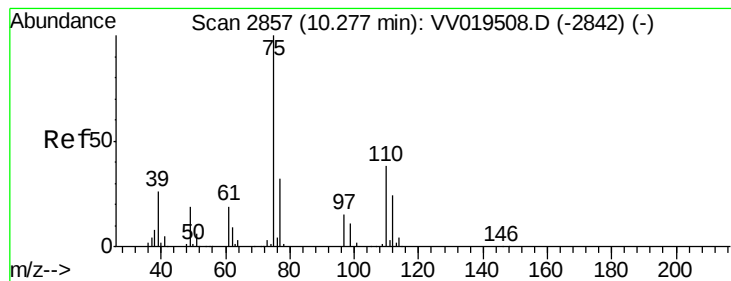
Ion Ratio Lower Upper

83 100

85 64.0 44.9 83.5

131 9.7 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 186.577 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

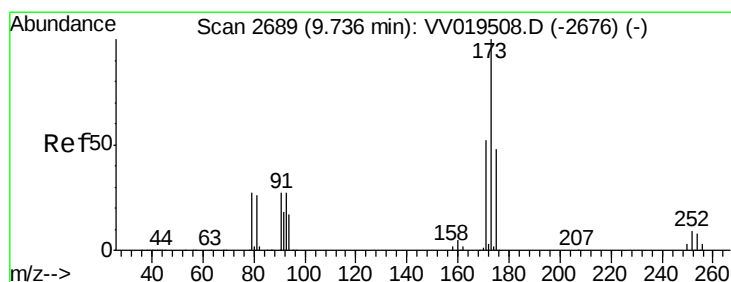
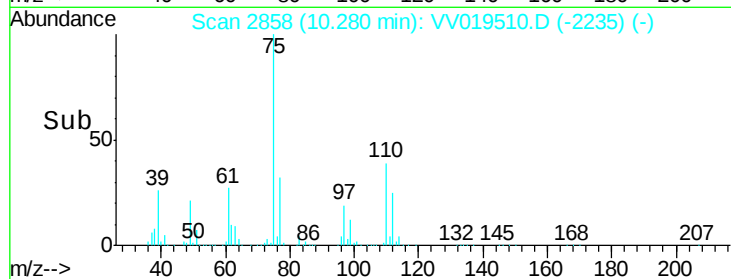
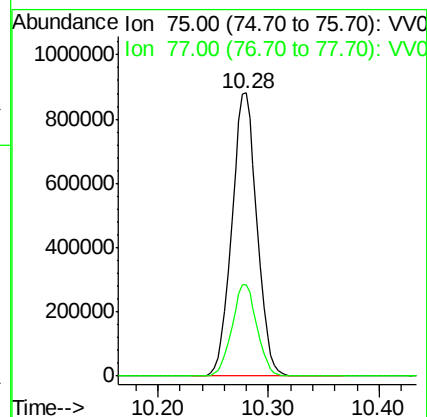
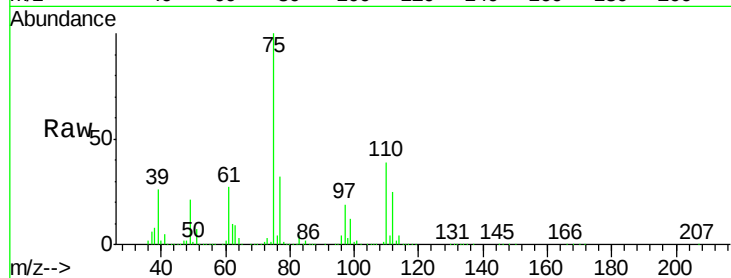
VSTD20064

Tgt Ion: 75 Resp: 1387528

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8



#61

Bromoform

Concen: 208.779 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

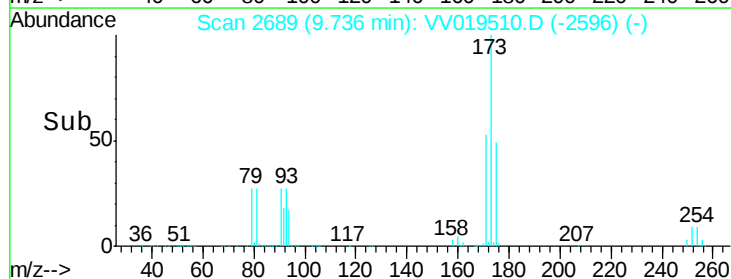
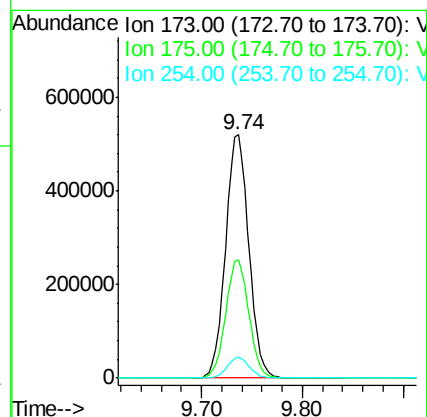
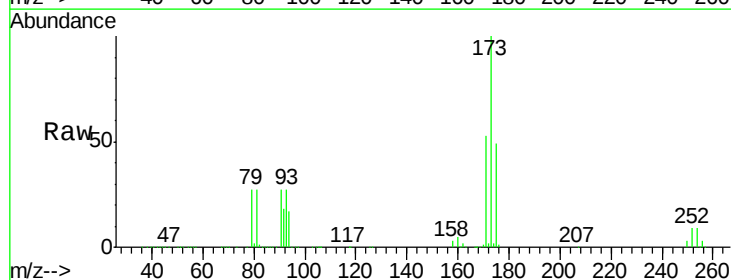
Tgt Ion: 173 Resp: 837926

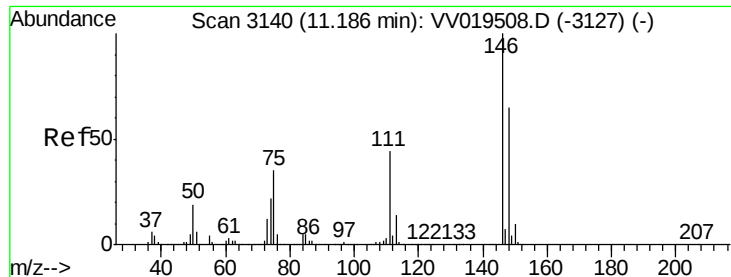
Ion Ratio Lower Upper

173 100

175 48.6 38.4 57.6

254 8.3 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 211.143 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

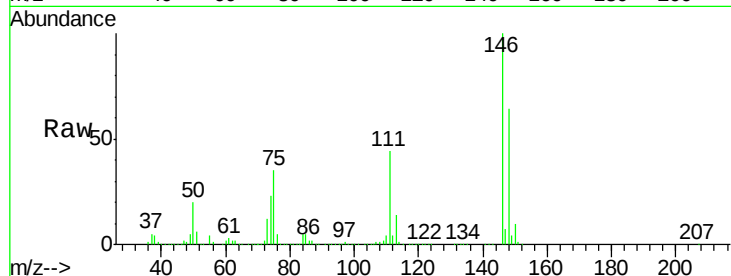
Tgt Ion:146 Resp: 2203963

Ion Ratio Lower Upper

146 100

111 44.3 30.7 57.1

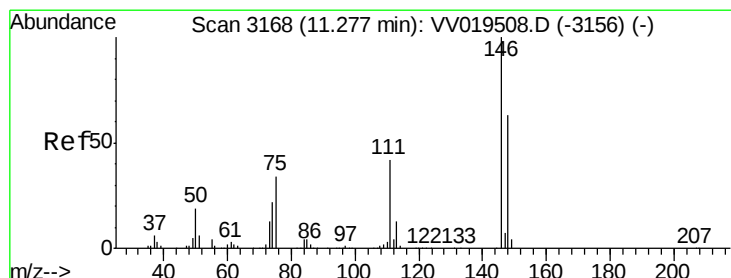
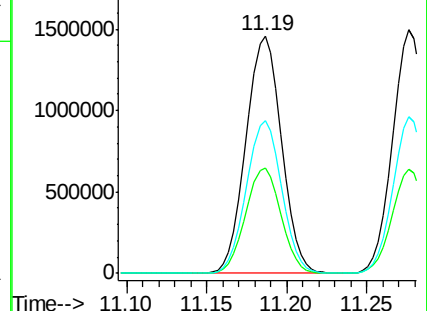
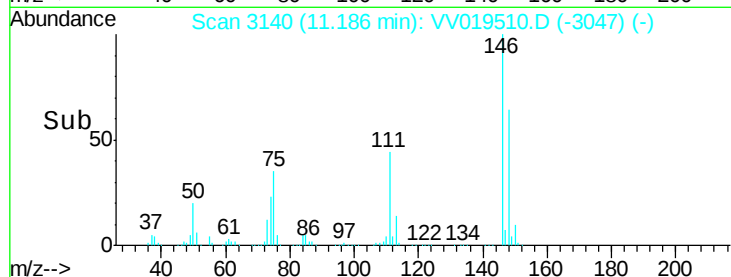
148 64.3 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 205.201 ug/L

RT: 11.28 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

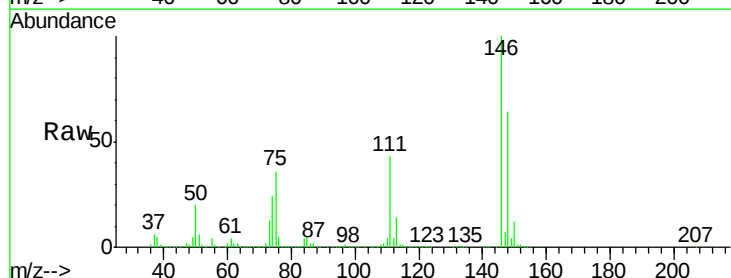
Tgt Ion:146 Resp: 2240476

Ion Ratio Lower Upper

146 100

111 42.9 29.8 55.4

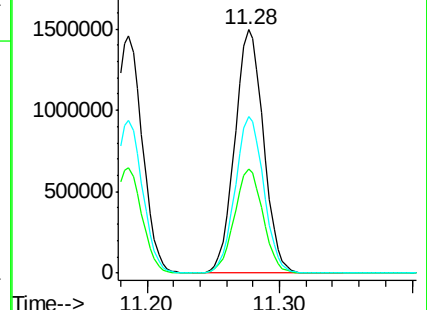
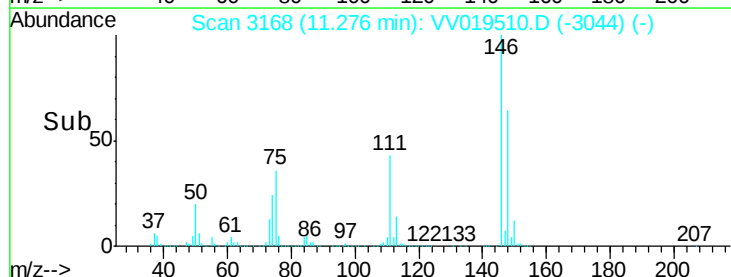
148 64.2 44.2 82.0

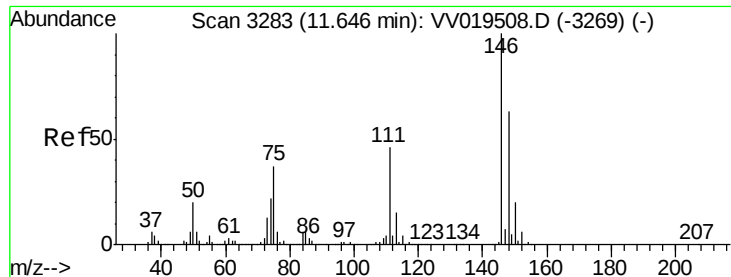


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 205.633 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. 0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

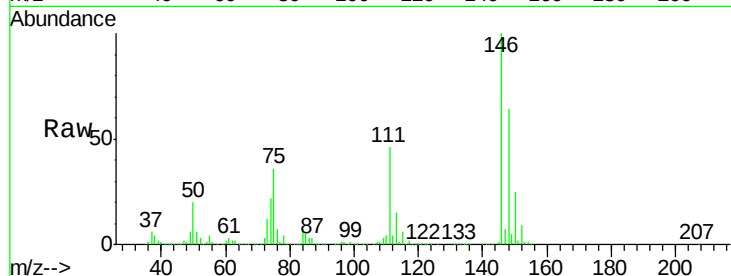
Tgt Ion:146 Resp: 2190575

Ion Ratio Lower Upper

146 100

111 45.9 36.6 55.0

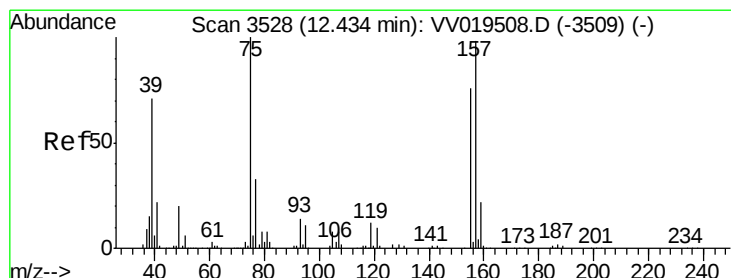
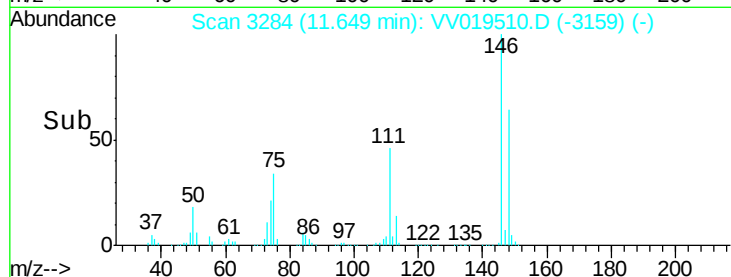
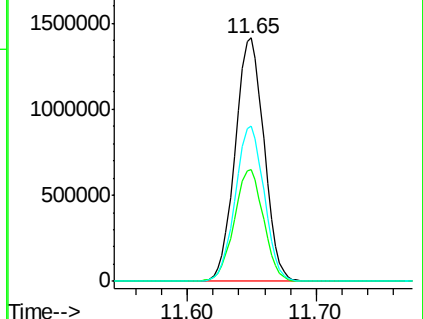
148 64.0 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 221.893 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

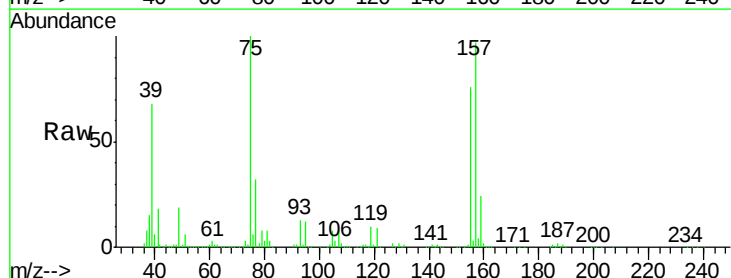
Tgt Ion: 75 Resp: 474456

Ion Ratio Lower Upper

75 100

155 76.2 61.1 91.7

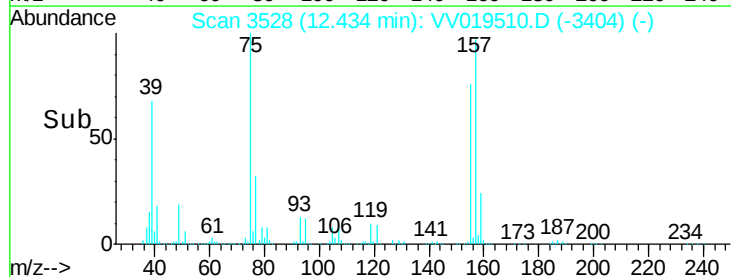
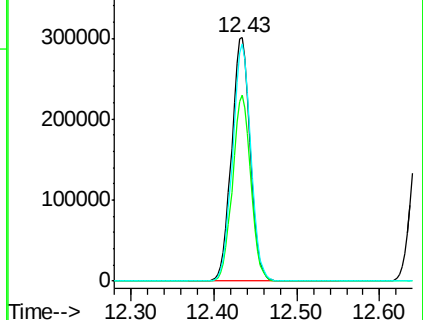
157 97.5 78.7 118.1

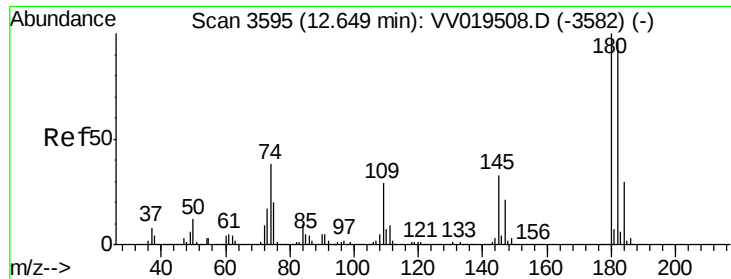


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

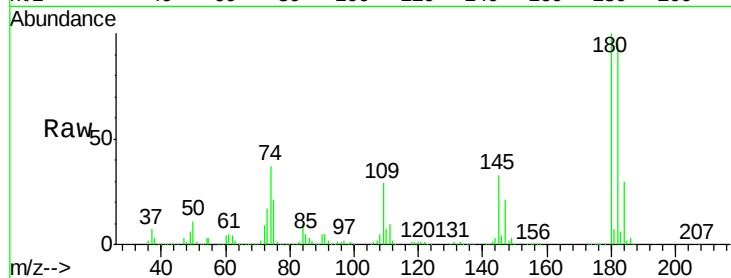




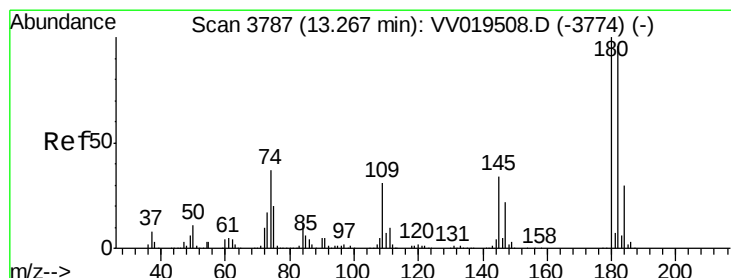
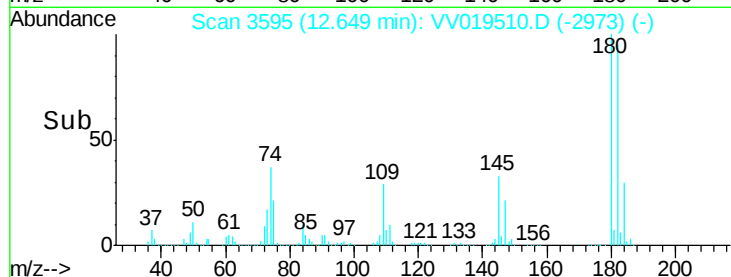
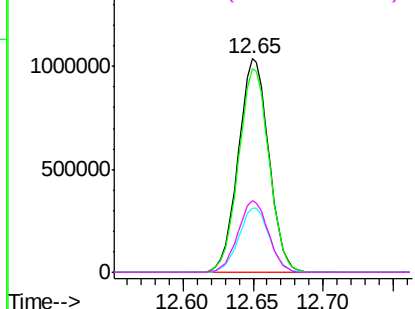
#67
 1,3,5-Trichlorobenzene
 Concen: 201.909 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VV019510.D
 Acq: 10 Dec 2020 13:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Tgt Ion:180 Resp: 1569868
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.8 113.6
 184 30.3 23.9 35.9
 145 33.4 26.2 39.2

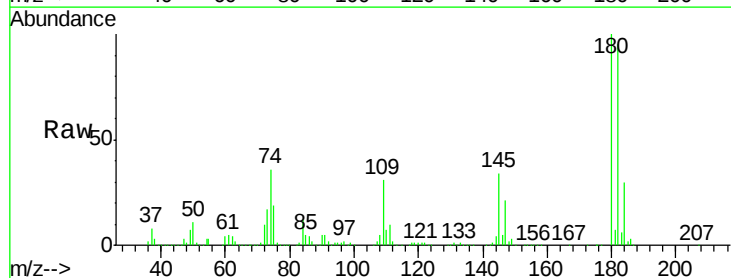


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

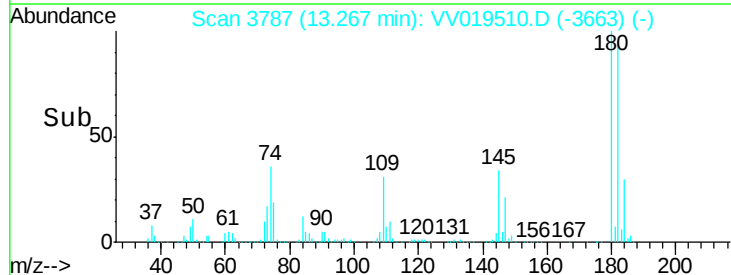
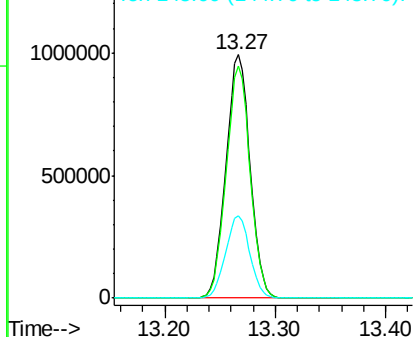


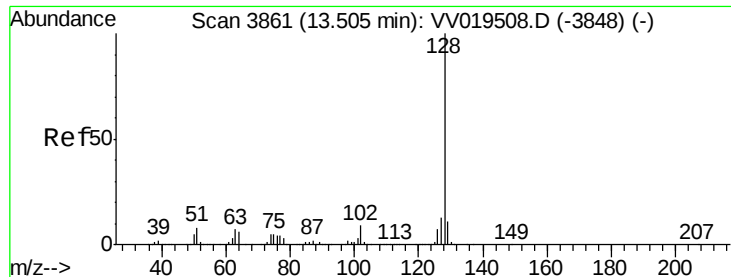
#68
 1,2,4-trichlorobenzene
 Concen: 218.498 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. -0.00 min
 Lab File: VV019510.D
 Acq: 10 Dec 2020 13:16

Tgt Ion:180 Resp: 1504575
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.5 114.7
 145 34.0 27.0 40.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 269.553 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. 0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

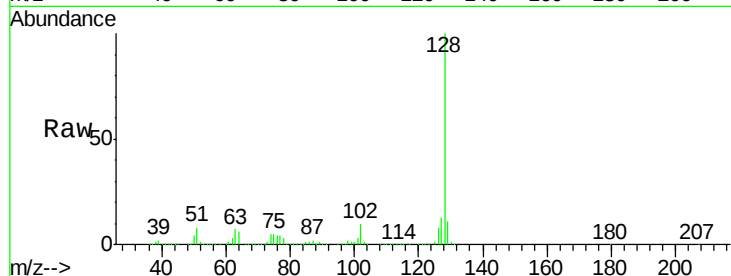
Tgt Ion:128 Resp: 5255660

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

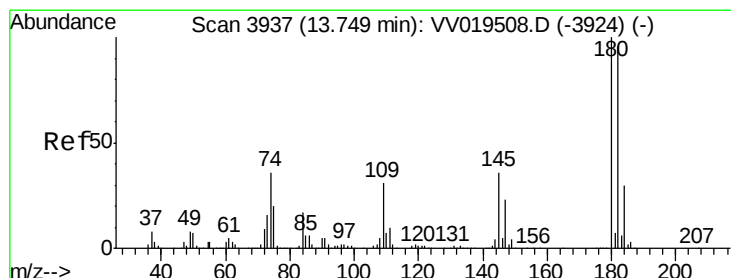
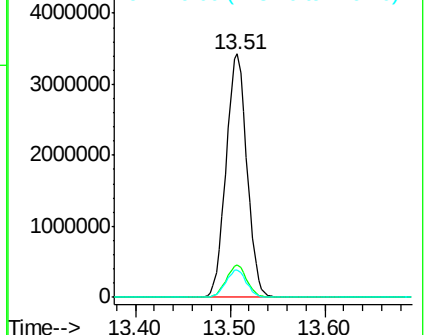
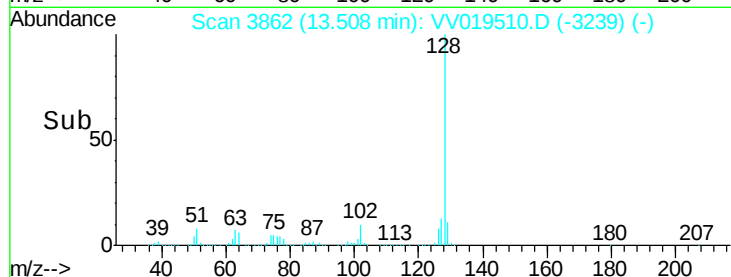
129 11.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 205.496 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. -0.00 min

Lab File: VV019510.D

Acq: 10 Dec 2020 13:16

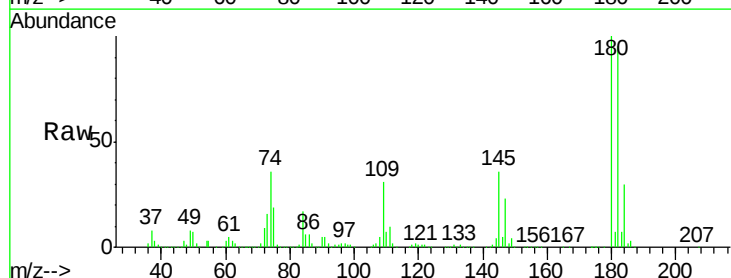
Tgt Ion:180 Resp: 1444127

Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.6

145 36.0 29.1 43.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

