

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121020\
 Data File : VV019509.D
 Acq On : 10 Dec 2020 12:52
 Operator : SY/MD
 Sample : VSTD10063
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

Quant Time: Dec 10 14:41:11 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	727003	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	677734	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	329881	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	533524	131.82	ug/L	0.00
7) Chloroethane-d5	1.57	69	428710	103.10	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.11	63	987617	103.54	ug/L	0.00
21) 2-Butanone-d5	3.89	46	648947	214.53	ug/L	0.00
24) Chloroform-d	4.35	84	979787	105.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.04	65	645801	104.12	ug/L	0.00
32) Benzene-d6	5.05	84	1883277	111.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.07	67	593892	104.16	ug/L	0.00
41) Toluene-d8	7.32	98	1690776	116.63	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.62	79	338764	122.40	ug/L	0.00
47) 2-Hexanone-d5	8.09	63	505433	297.45	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.22	84	810982	118.80	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.63	152	634266	117.30	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	590689	159.543 ug/L	99
3) Chloromethane	1.24	50	628328	154.950 ug/L	99
5) Vinyl chloride	1.31	62	619505	133.811 ug/L	99
6) Bromomethane	1.52	94	376233	94.759 ug/L	100
8) Chloroethane	1.59	64	378013	110.438 ug/L	100
9) Trichlorofluoromethane	1.75	101	759131	105.925 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	428099	103.569 ug/L	100
12) 1,1-Dichloroethene	2.12	96	432538	108.434 ug/L	# 76
13) Acetone	2.18	43	509661	134.666 ug/L	99
14) Carbon disulfide	2.30	76	1365024	119.717 ug/L	100
15) Methyl Acetate	2.43	43	569226	90.411 ug/L	100
16) Methylene chloride	2.51	84	500856	94.004 ug/L	98
17) trans-1,2-Dichloroethene	2.76	96	473666	105.779 ug/L	100
18) Methyl tert-butyl Ether	2.77	73	1682549	103.292 ug/L	100
19) 1,1-Dichloroethane	3.19	63	926092	91.630 ug/L	100
20) cis-1,2-Dichloroethene	3.92	96	527665	102.431 ug/L	# 99
22) 2-Butanone	3.97	43	806025	170.388 ug/L	99
23) Bromochloromethane	4.25	128	258539	101.775 ug/L	98
25) Chloroform	4.38	83	922908	92.239 ug/L	99
27) 1,2-Dichloroethane	5.13	62	773363	94.777 ug/L	99
29) Cyclohexane	4.68	56	837290	116.768 ug/L	100
30) 1,1,1-Trichloroethane	4.61	97	851352	103.785 ug/L	100
31) Carbon tetrachloride	4.83	117	714577	105.760 ug/L	98
33) Benzene	5.10	78	1996851	103.764 ug/L	100
34) Trichloroethene	5.92	95	517872	96.270 ug/L	99
35) Methylcyclohexane	6.14	83	808654	121.321 ug/L	100
37) 1,2-Dichloropropane	6.18	63	528234	94.588 ug/L	100
38) Bromodichloromethane	6.51	83	732922	100.296 ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	906659	112.095 ug/L	100
40) 4-Methyl-2-pentanone	7.23	43	1600312	195.435 ug/L	100

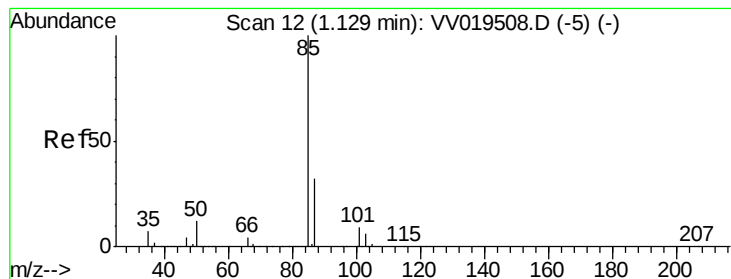
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121020\
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 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 14:37:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.39	91	2102412	107.795	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	887021	108.282	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	491243	96.986	ug/L	99
46) Tetrachloroethene	7.98	164	360824	108.671	ug/L	98
48) 2-Hexanone	8.14	43	1233410	189.616	ug/L	100
49) Dibromochloromethane	8.25	129	555281	104.667	ug/L	100
50) 1,2-Dibromoethane	8.36	107	532436	104.752	ug/L	99
51) Chlorobenzene	8.88	112	1343780	105.500	ug/L	99
52) Ethylbenzene	9.02	91	2402469	111.924	ug/L	100
53) m,p-Xylene	9.14	106	902743	117.076	ug/L	99
54) o-xylene	9.55	106	885803	118.641	ug/L	99
55) Styrene	9.56	104	1559061	117.940	ug/L	99
56) Isopropylbenzene	9.94	105	2349751	116.249	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.24	83	810280	104.882	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	664895	95.860	ug/L	100
61) Bromoform	9.74	173	389407	105.954	ug/L	99
62) 1,3-Dichlorobenzene	11.18	146	1020628	106.776	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	1026507	102.668	ug/L	100
65) 1,2-Dichlorobenzene	11.65	146	1020027	104.564	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.43	75	227053	115.960	ug/L	97
67) 1,3,5-Trichlorobenzene	12.65	180	733989	103.090	ug/L	99
68) 1,2,4-trichlorobenzene	13.26	180	693131	109.922	ug/L	99
69) Naphthalene	13.50	128	2550058	142.824	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	680965	105.818	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 159.543 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

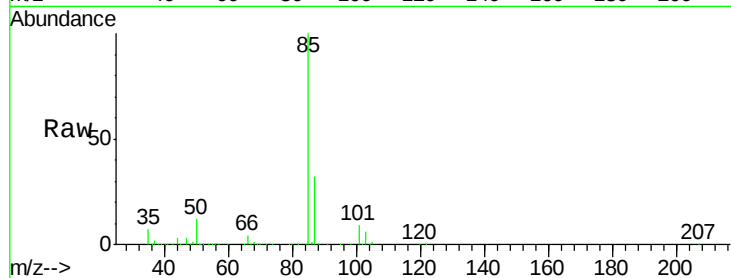
VSTD10063

Tgt Ion: 85 Resp: 590689

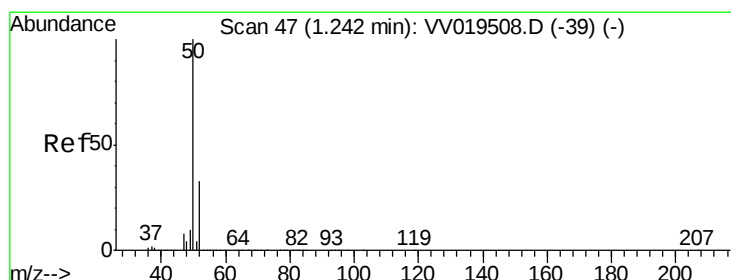
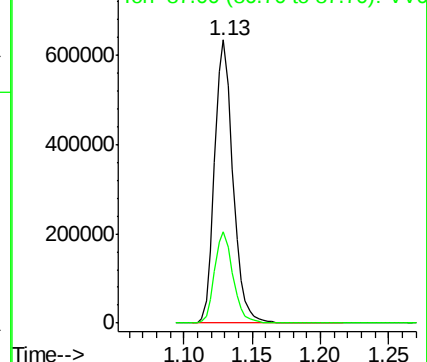
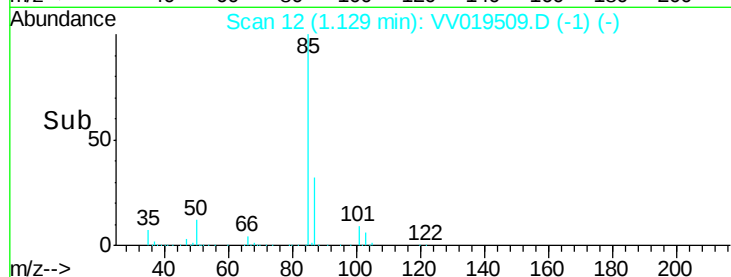
Ion Ratio Lower Upper

85 100

87 32.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV019509.D (-1) (-)



#3

Chloromethane

Concen: 154.950 ug/L

RT: 1.24 min Scan# 47

Delta R.T. 0.00 min

Lab File: VV019509.D

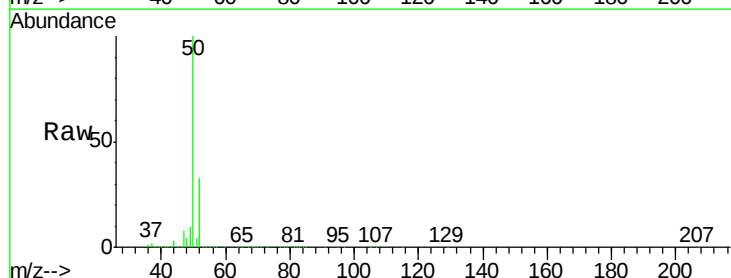
Acq: 10 Dec 2020 12:52

Tgt Ion: 50 Resp: 628328

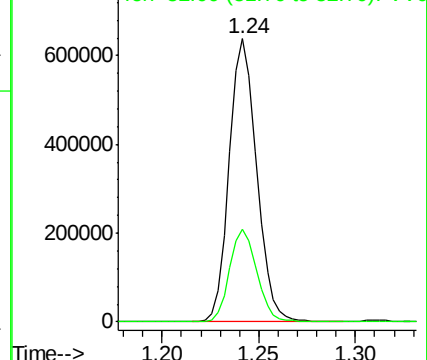
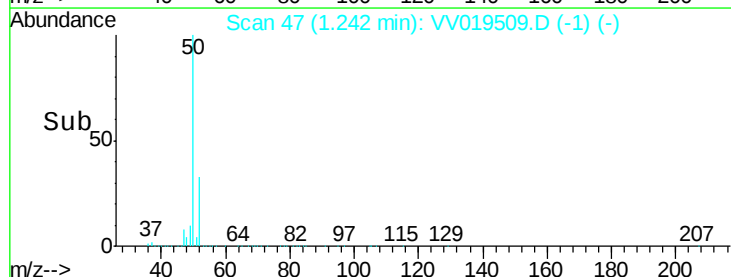
Ion Ratio Lower Upper

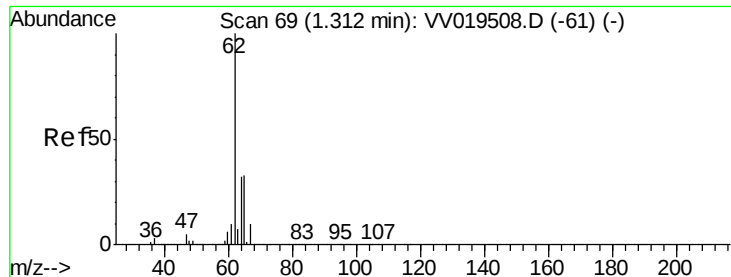
50 100

52 32.6 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV019509.D (-1) (-)





#5

Vinyl chloride

Concen: 133.811 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

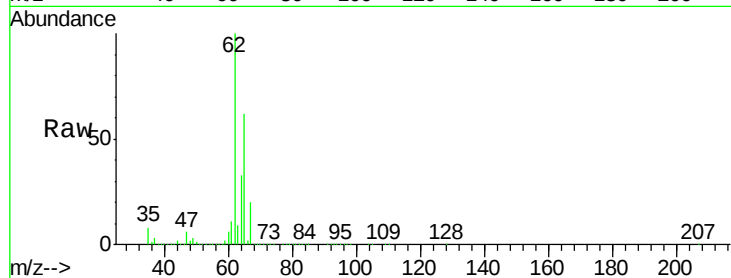
VSTD10063

Tgt Ion: 62 Resp: 619505

Ion Ratio Lower Upper

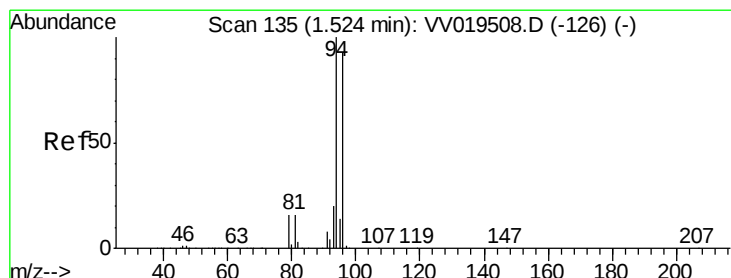
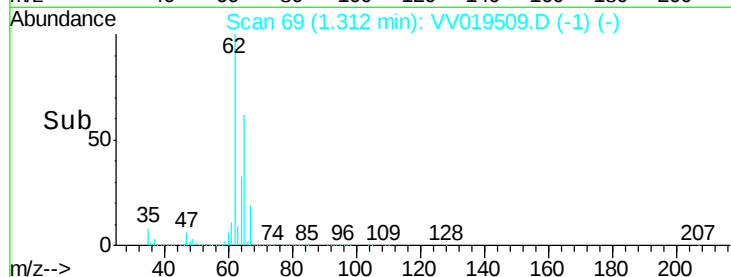
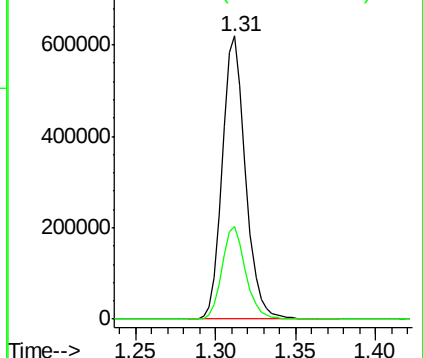
62 100

64 32.6 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 94.759 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019509.D

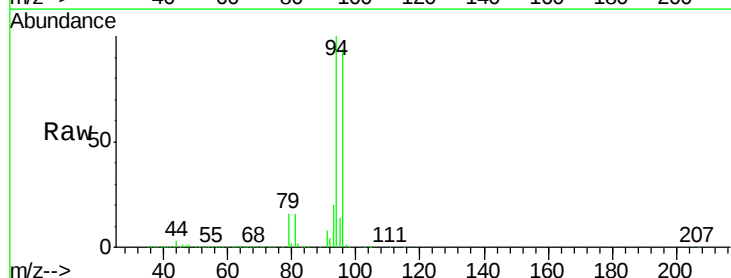
Acq: 10 Dec 2020 12:52

Tgt Ion: 94 Resp: 376233

Ion Ratio Lower Upper

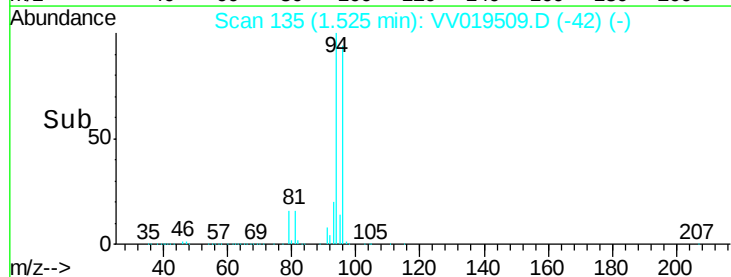
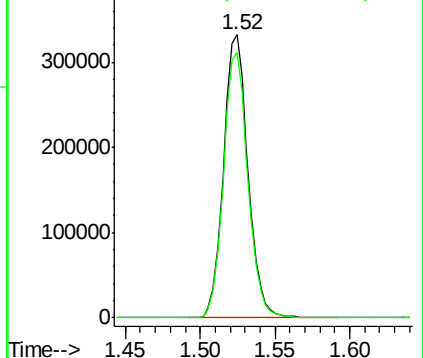
94 100

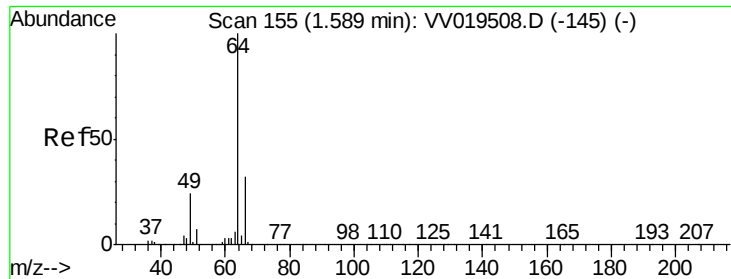
96 93.7 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 110.438 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

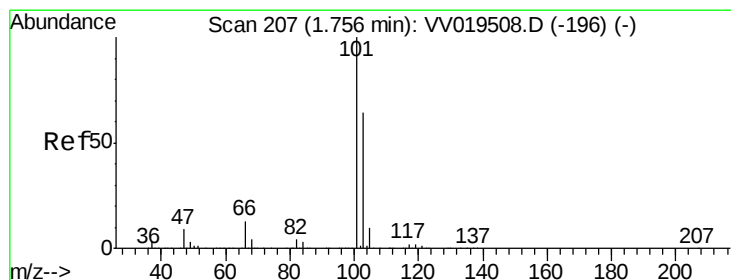
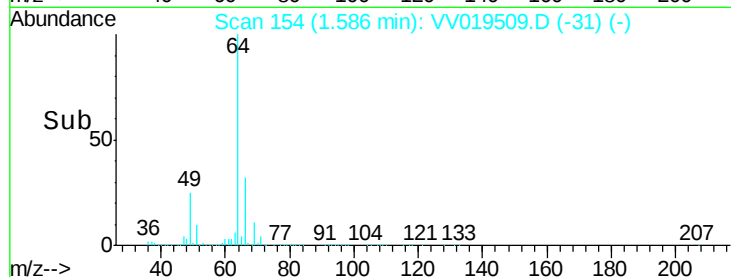
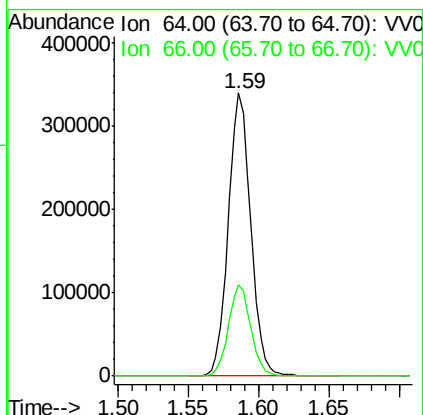
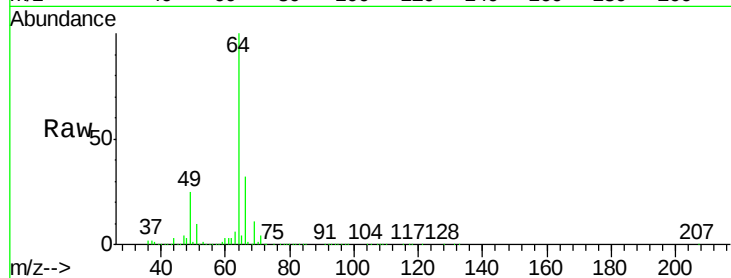
VSTD10063

Tgt Ion: 64 Resp: 378013

Ion Ratio Lower Upper

64 100

66 32.2 22.5 41.7



#9

Trichlorofluoromethane

Concen: 105.925 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.00 min

Lab File: VV019509.D

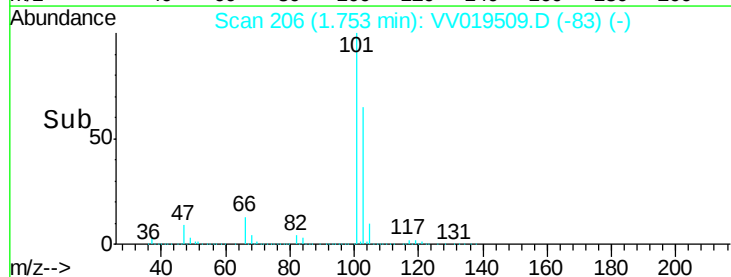
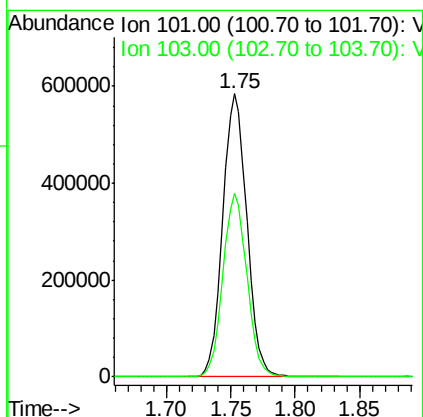
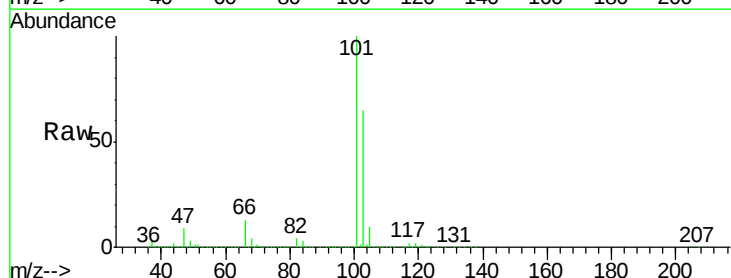
Acq: 10 Dec 2020 12:52

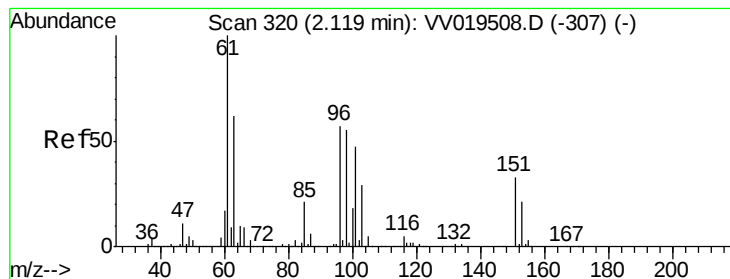
Tgt Ion: 101 Resp: 759131

Ion Ratio Lower Upper

101 100

103 64.5 51.6 77.4





#10

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

Concen: 103.569 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

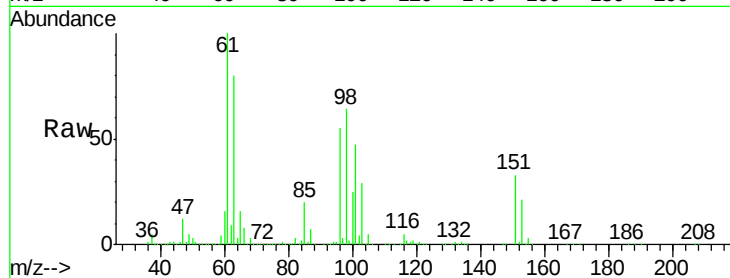
Tgt Ion:101 Resp: 428099

Ion Ratio Lower Upper

101 100

85 43.6 35.0 52.4

151 70.0 55.8 83.8

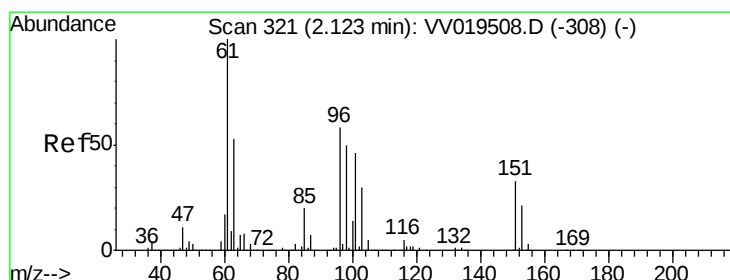
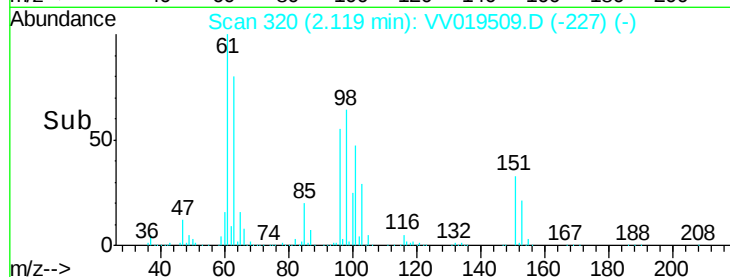


Abundance Ion 101.00 (100.70 to 101.70): VV019509.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019509.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019509.D (-227) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 108.434 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

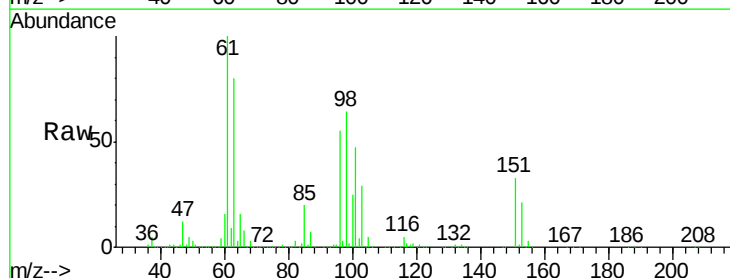
Tgt Ion: 96 Resp: 432538

Ion Ratio Lower Upper

96 100

61 181.8 120.7 224.1

63 145.7 64.3 119.5#

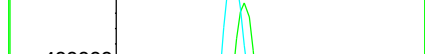
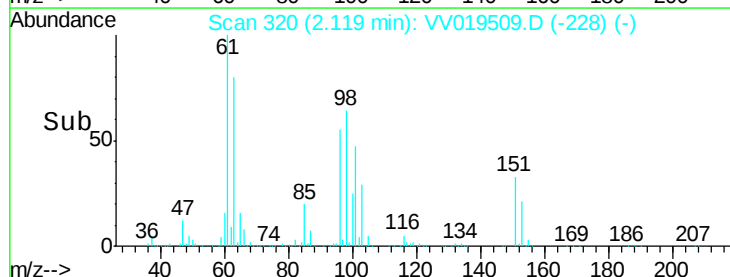


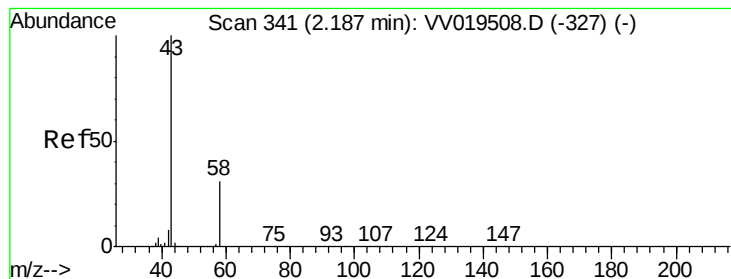
Abundance Ion 96.00 (95.70 to 96.70): VV019509.D (-228) (-)

Ion 61.00 (60.70 to 61.70): VV019509.D (-228) (-)

Ion 63.00 (62.70 to 63.70): VV019509.D (-228) (-)

Time-->





#13

Acetone

Concen: 134.666 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

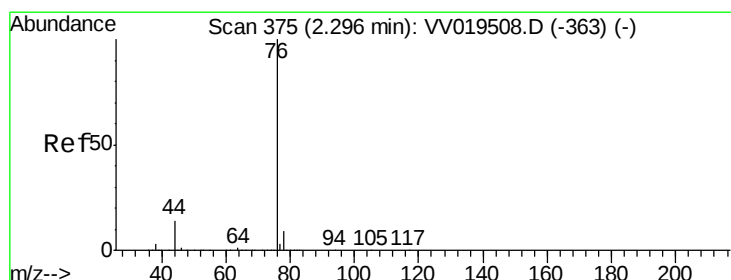
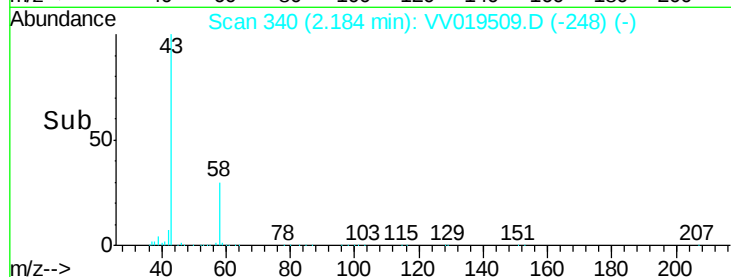
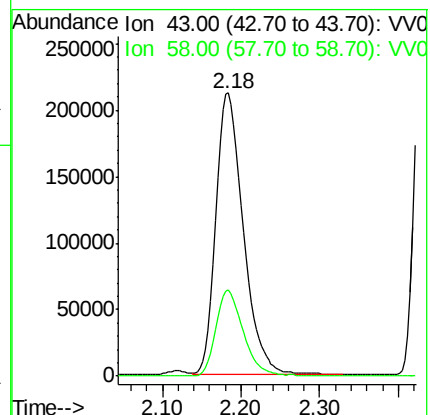
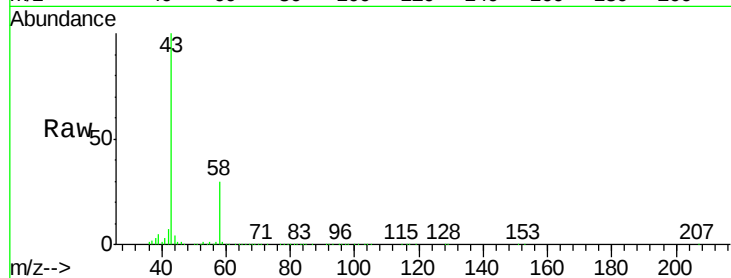
VSTD10063

Tgt Ion: 43 Resp: 509661

Ion Ratio Lower Upper

43 100

58 30.2 0.0 61.6



#14

Carbon disulfide

Concen: 119.717 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019509.D

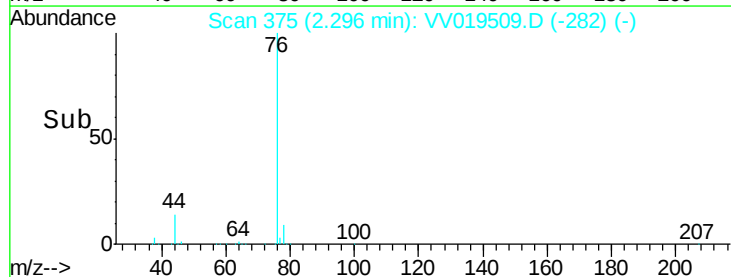
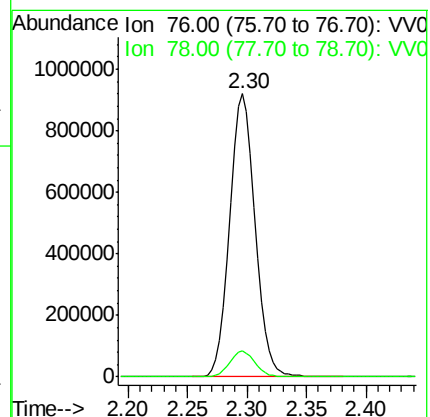
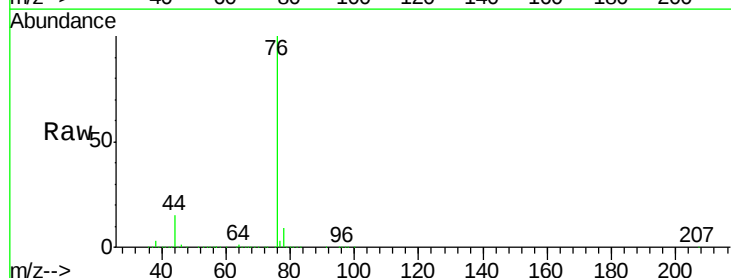
Acq: 10 Dec 2020 12:52

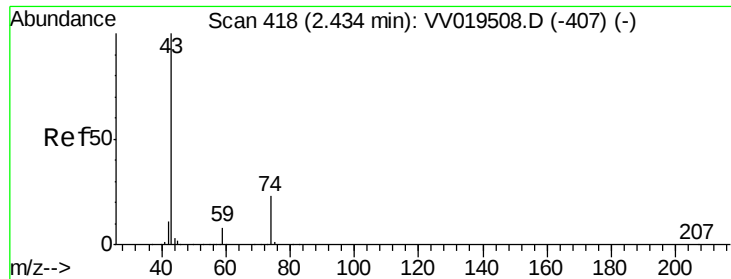
Tgt Ion: 76 Resp: 1365024

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8





#15

Methyl Acetate

Concen: 90.411 ug/L

RT: 2.43 min Scan# 418

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

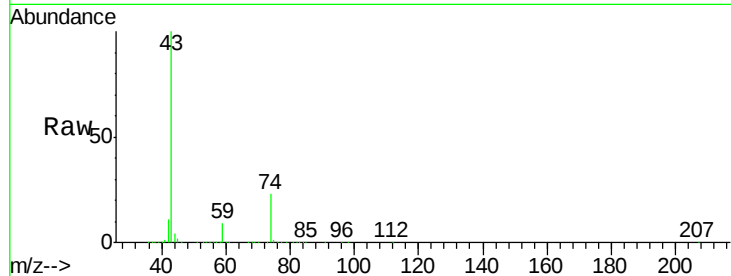
VSTD10063

Tgt Ion: 43 Resp: 569226

Ion Ratio Lower Upper

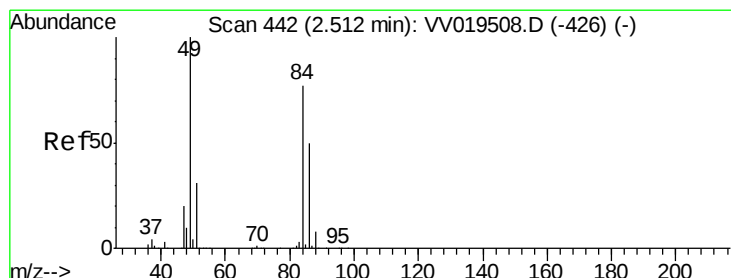
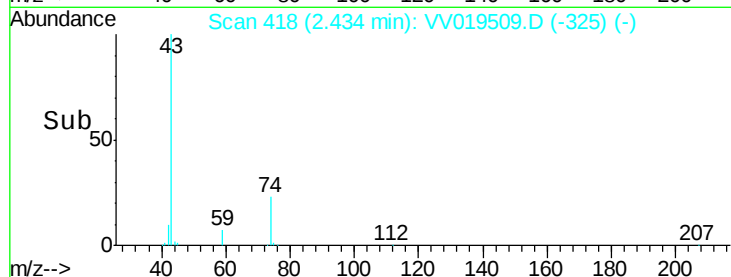
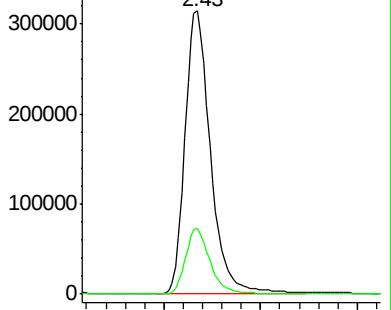
43 100

74 22.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VV019509.D (-325) (-)

Ion 74.00 (73.70 to 74.70): VV019509.D (-325) (-)



#16

Methylene chloride

Concen: 94.004 ug/L

RT: 2.51 min Scan# 441

Delta R.T. -0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

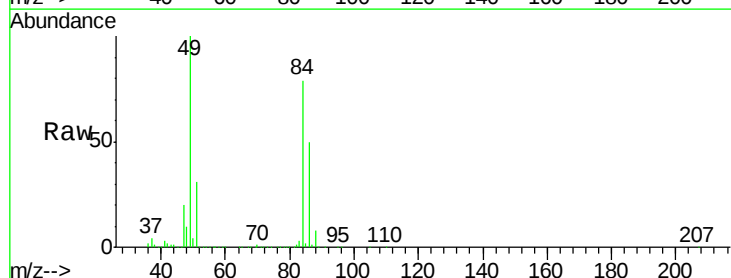
Tgt Ion: 84 Resp: 500856

Ion Ratio Lower Upper

84 100

86 63.3 45.7 84.9

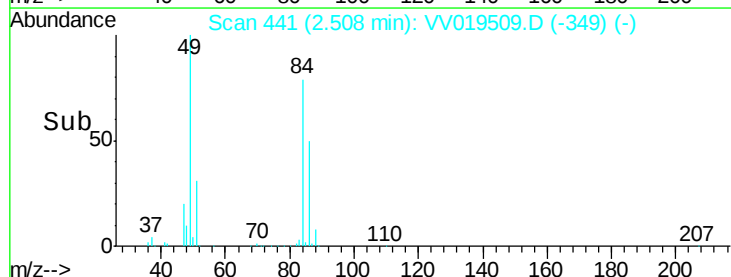
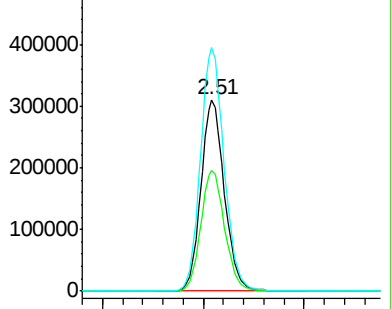
49 127.2 90.6 168.3

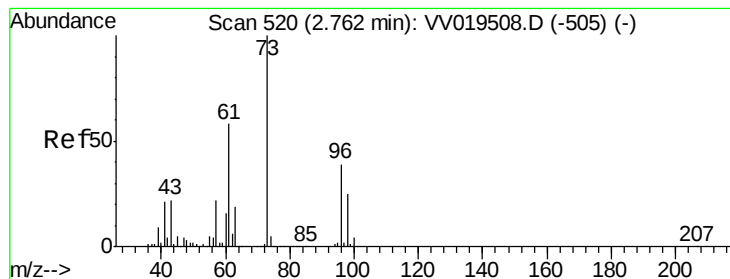


Abundance Ion 84.00 (83.70 to 84.70): VV019509.D (-349) (-)

Ion 86.00 (85.70 to 86.70): VV019509.D (-349) (-)

Ion 49.00 (48.70 to 49.70): VV019509.D (-349) (-)





#17

trans-1,2-Dichloroethene

Concen: 105.779 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

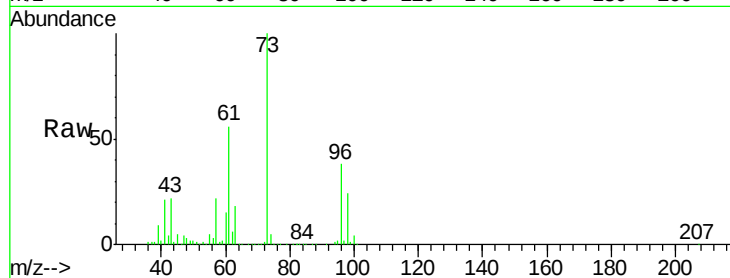
Tgt Ion: 96 Resp: 473666

Ion Ratio Lower Upper

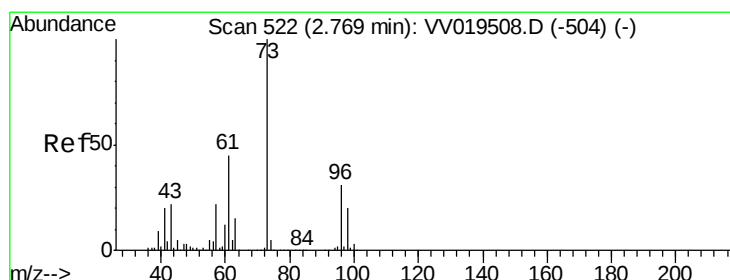
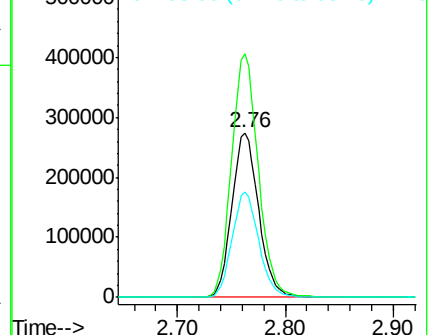
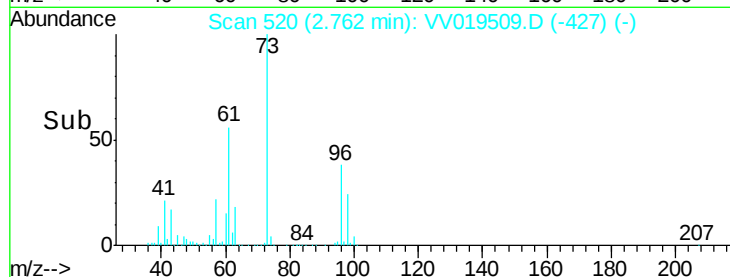
96 100

61 147.7 103.5 192.1

98 63.9 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV019509.D (-427) (-)



#18

Methyl tert-butyl Ether

Concen: 103.292 ug/L

RT: 2.77 min Scan# 522

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

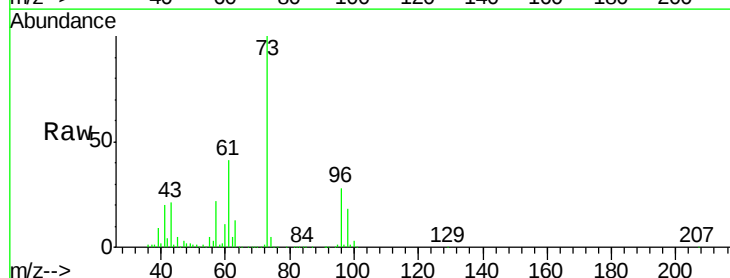
Tgt Ion: 73 Resp: 1682549

Ion Ratio Lower Upper

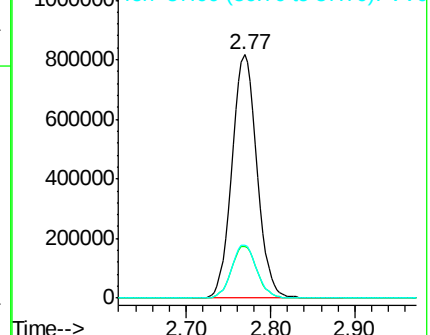
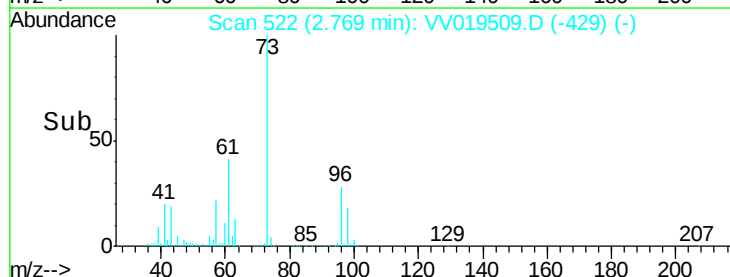
73 100

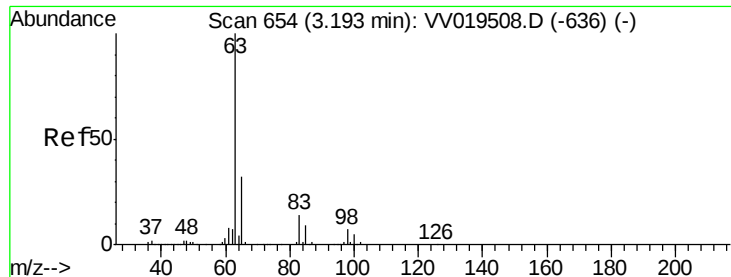
43 21.5 17.3 25.9

57 21.9 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VV019509.D (-429) (-)

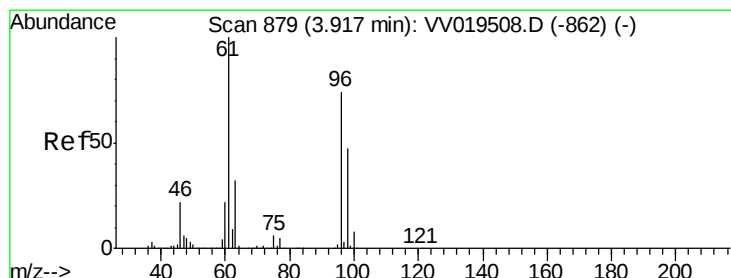
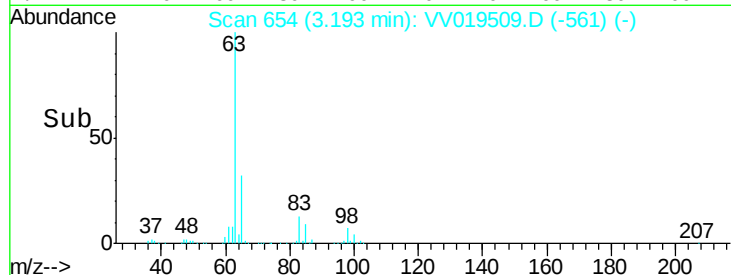
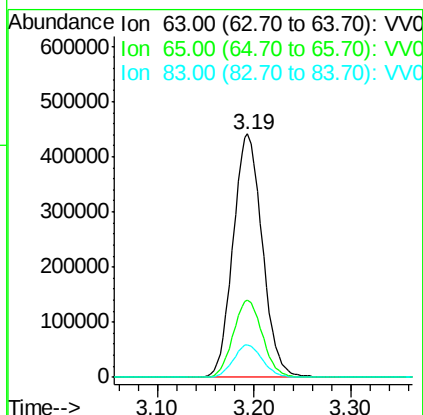
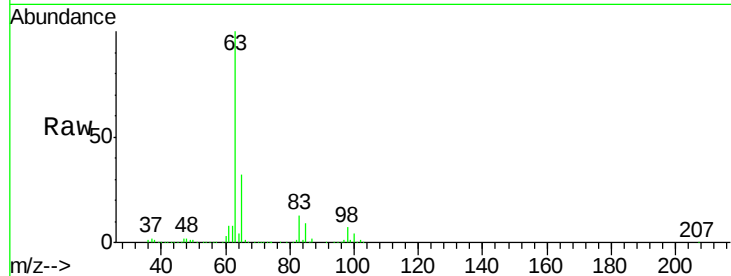




#19
 1,1-Dichloroethane
 Concen: 91.630 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VV019509.D
 Acq: 10 Dec 2020 12:52

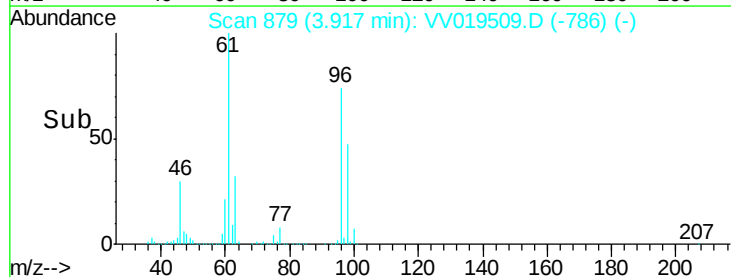
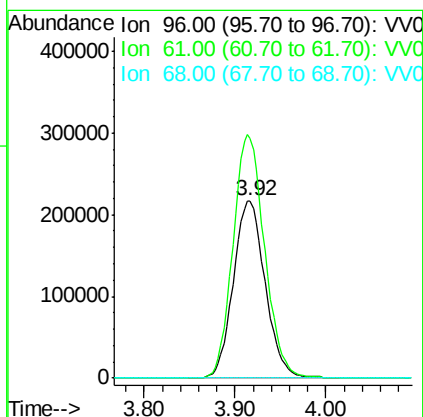
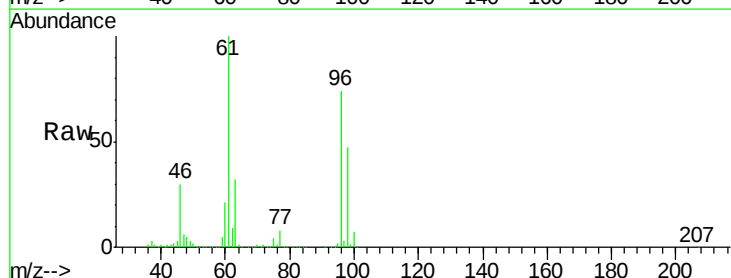
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

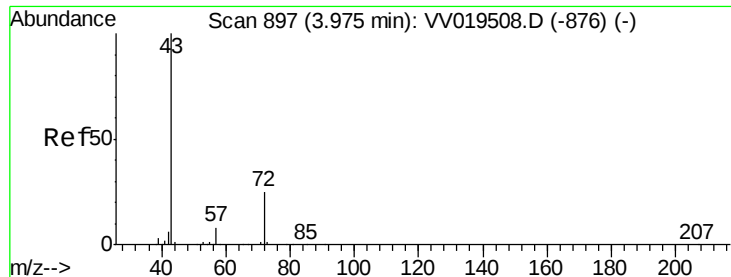
Tgt Ion: 63 Resp: 926092
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.4 41.6
 83 13.4 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 102.431 ug/L
 RT: 3.92 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VV019509.D
 Acq: 10 Dec 2020 12:52

Tgt Ion: 96 Resp: 527665
 Ion Ratio Lower Upper
 96 100
 61 135.2 94.1 174.8
 68 0.1 0.1 0.1#





#22

2-Butanone

Concen: 170.388 ug/L

RT: 3.97 min Scan# 896

Delta R.T. -0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

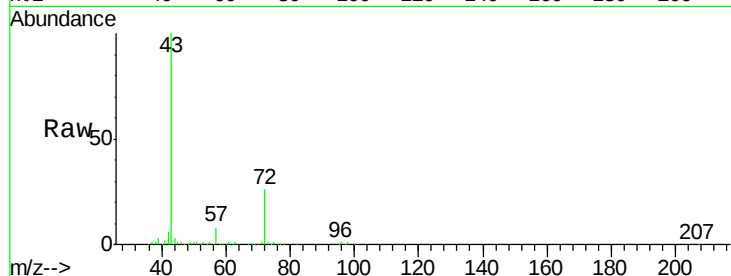
VSTD10063

Tgt Ion: 43 Resp: 806025

Ion Ratio Lower Upper

43 100

72 25.0 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019508.D (-876) (-)

Ion 72.00 (71.70 to 72.70): VV019508.D (-876) (-)

3.97

250000

200000

150000

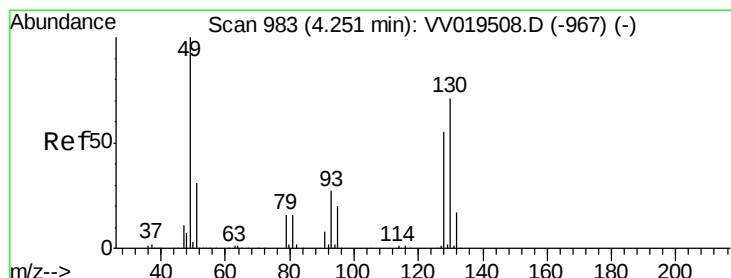
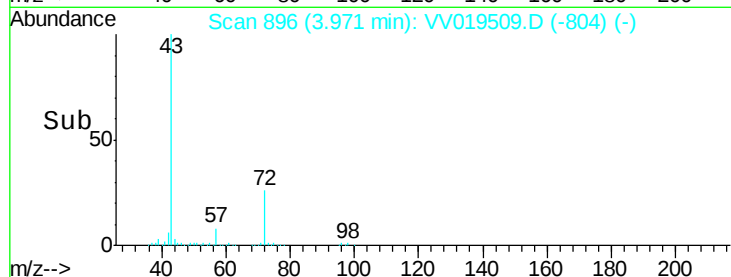
100000

50000

0

3.90 4.00 4.10 4.20

Time-->



#23

Bromochloromethane

Concen: 101.775 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Tgt Ion: 128 Resp: 258539

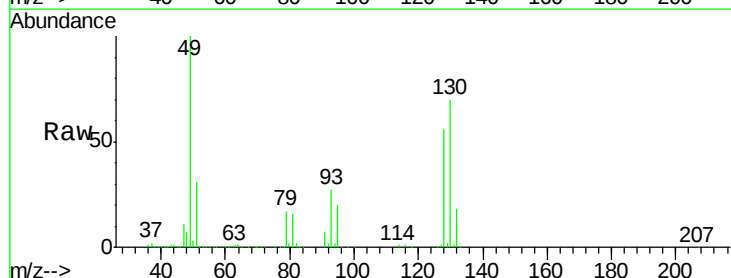
Ion Ratio Lower Upper

128 100

49 179.0 127.0 235.8

130 126.1 90.3 167.7

51 55.5 44.5 66.7



Abundance Ion 128.00 (127.70 to 128.70): VV019509.D (-890) (-)

Ion 49.00 (48.70 to 49.70): VV019509.D (-890) (-)

Ion 130.00 (129.70 to 130.70): VV019509.D (-890) (-)

Ion 51.00 (50.70 to 51.70): VV019509.D (-890) (-)

300000

250000

200000

150000

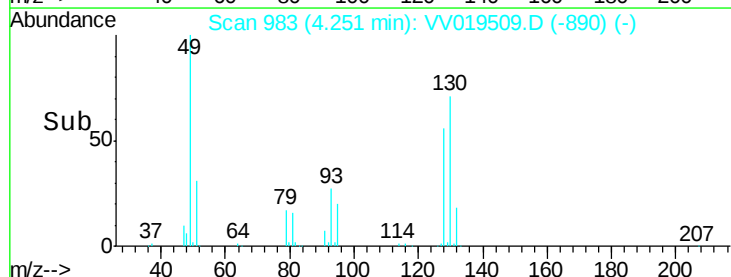
100000

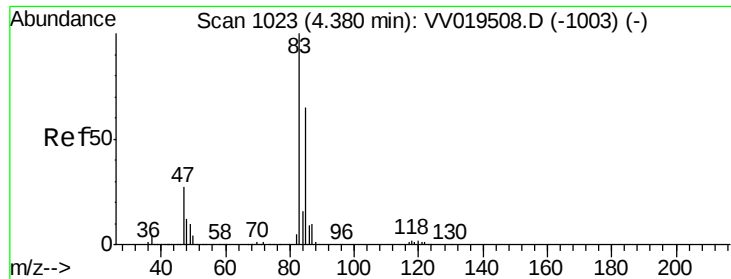
50000

0

4.20 4.30 4.40

Time-->

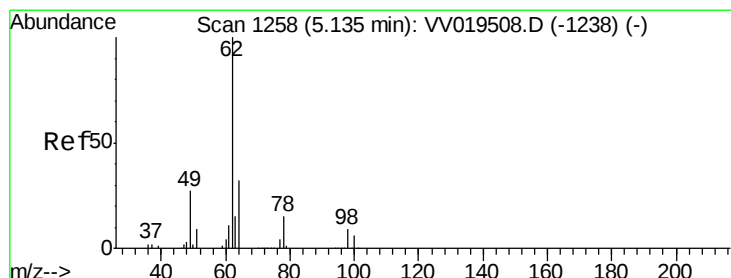
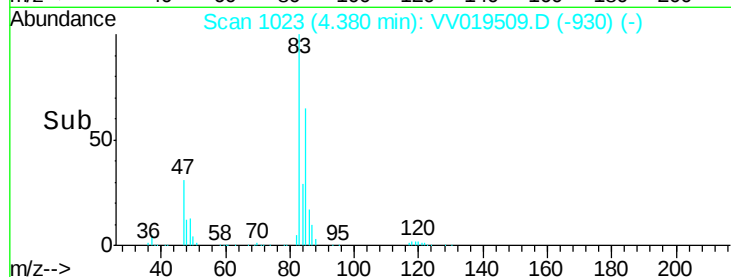
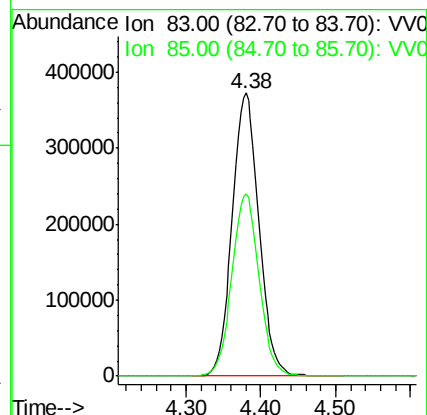
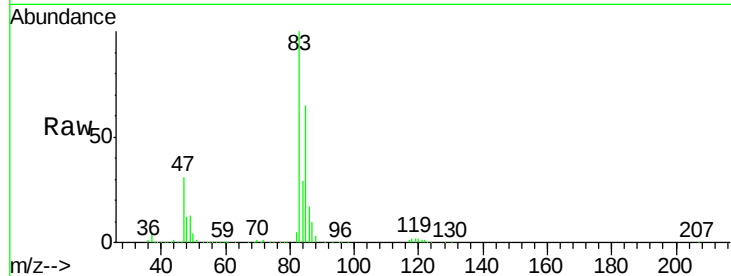




#25
Chloroform
Concen: 92.239 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV019509.D
Acq: 10 Dec 2020 12:52

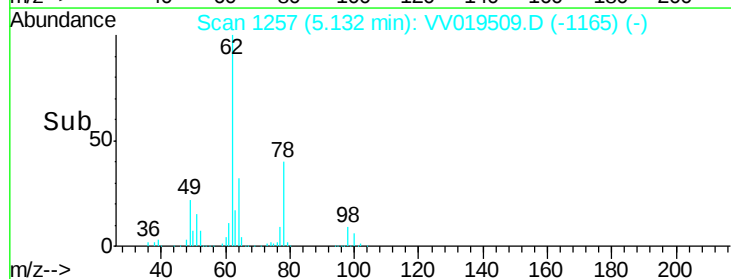
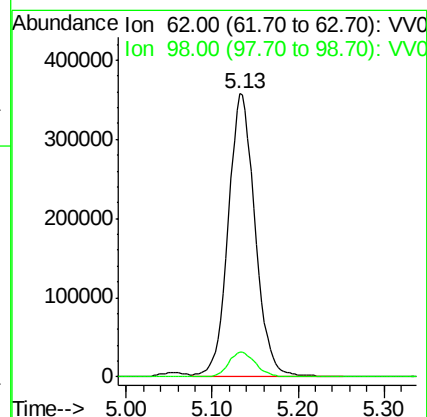
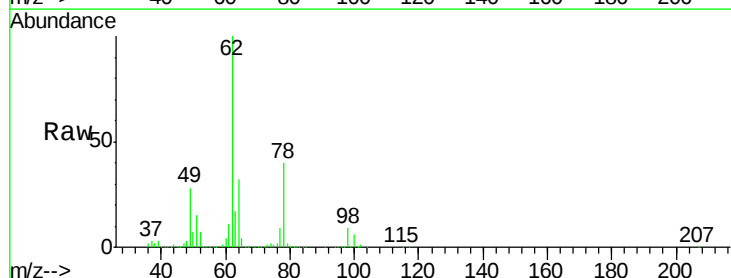
Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

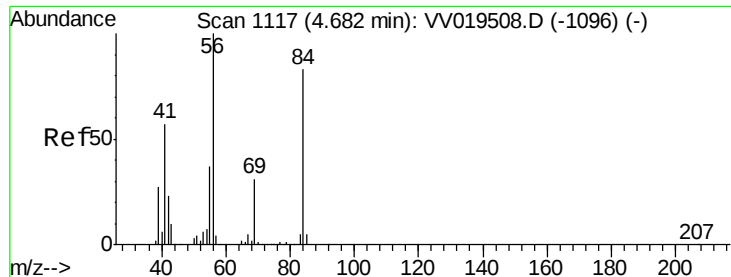
Tgt Ion: 83 Resp: 922908
Ion Ratio Lower Upper
83 100
85 64.6 45.6 84.6



#27
1,2-Dichloroethane
Concen: 94.777 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VV019509.D
Acq: 10 Dec 2020 12:52

Tgt Ion: 62 Resp: 773363
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.0

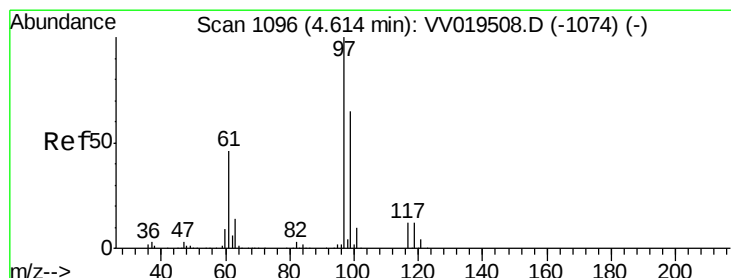
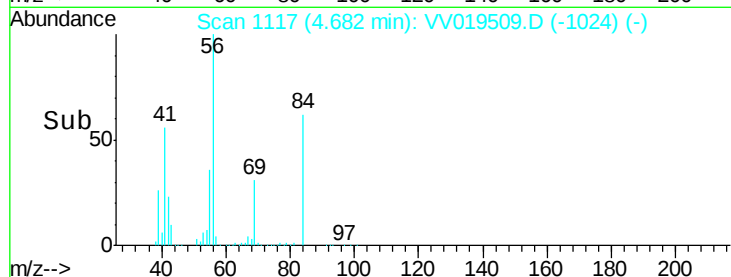
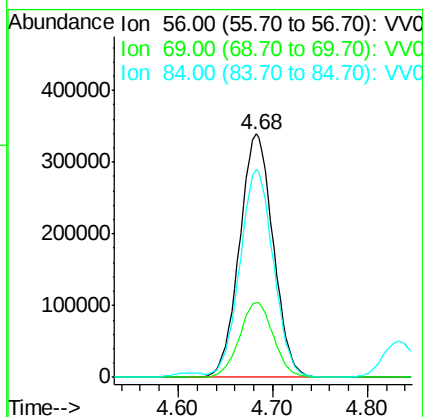
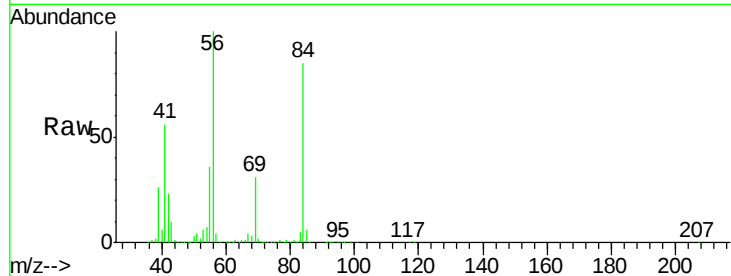




#29
Cyclohexane
Concen: 116.768 ug/L
RT: 4.68 min Scan# 1117
Delta R.T. 0.00 min
Lab File: VV019509.D
Acq: 10 Dec 2020 12:52

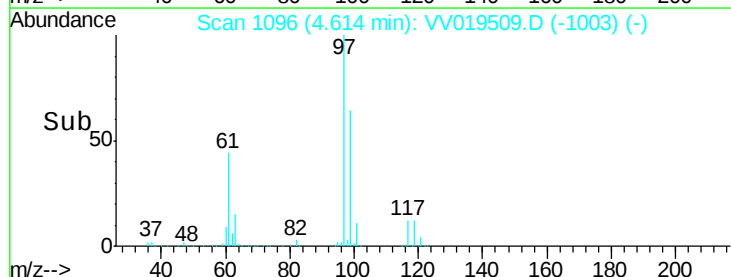
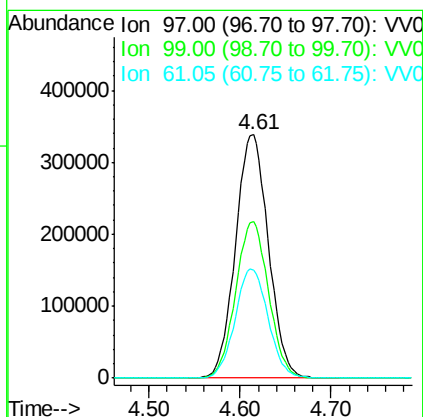
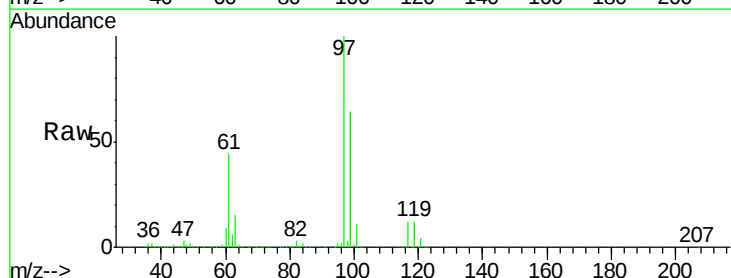
Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

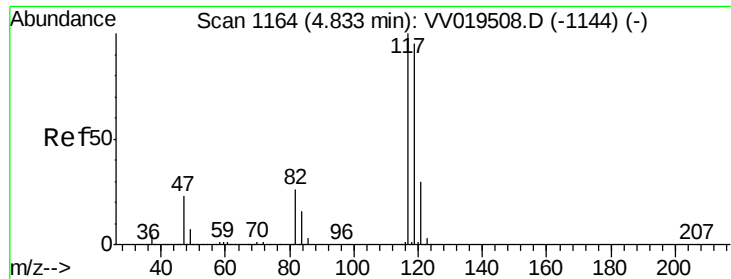
Tgt Ion: 56 Resp: 837290
Ion Ratio Lower Upper
56 100
69 30.9 24.6 37.0
84 85.1 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 103.785 ug/L
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VV019509.D
Acq: 10 Dec 2020 12:52

Tgt Ion: 97 Resp: 851352
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 45.3 36.3 54.5





#31

Carbon tetrachloride

Concen: 105.760 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

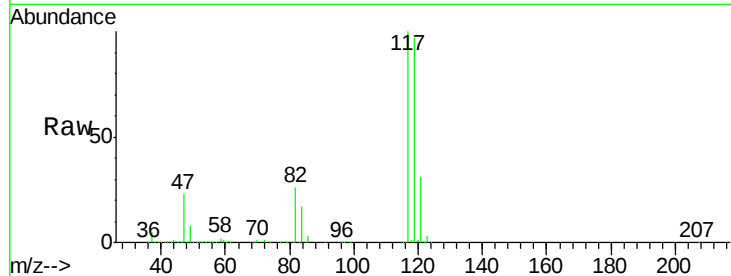
VSTD10063

Tgt Ion:117 Resp: 714577

Ion Ratio Lower Upper

117 100

119 96.8 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.83

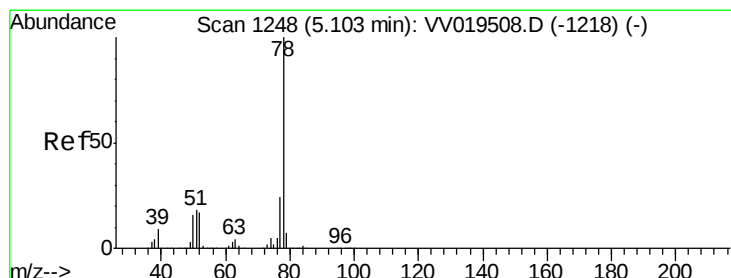
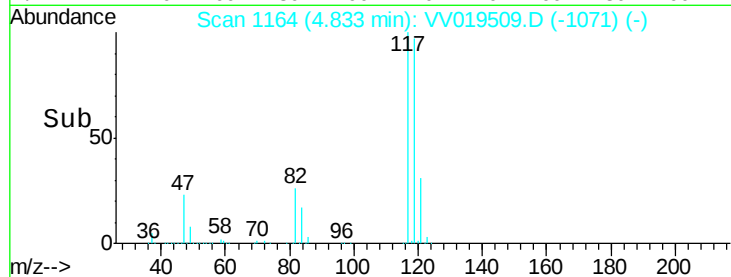
300000

200000

100000

0

Time--> 4.70 4.80 4.90



#33

Benzene

Concen: 103.764 ug/L

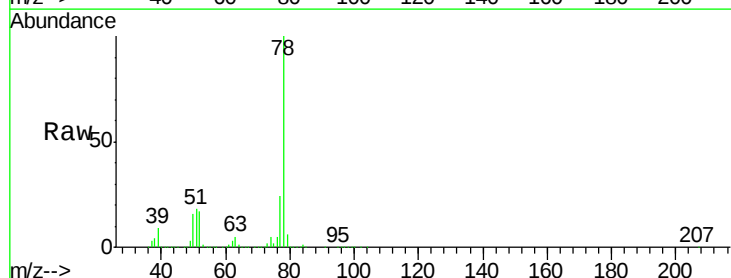
RT: 5.10 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Tgt Ion: 78 Resp: 1996851



Abundance Ion 78.00 (77.70 to 78.70): VV0

1000000

800000

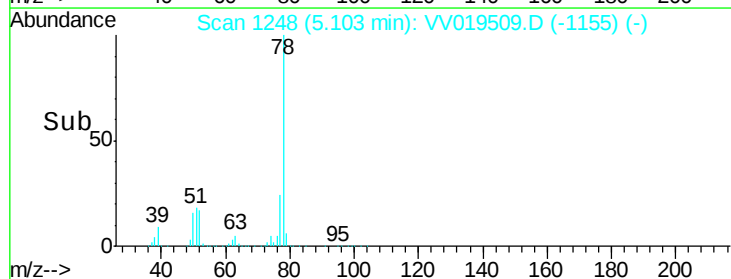
600000

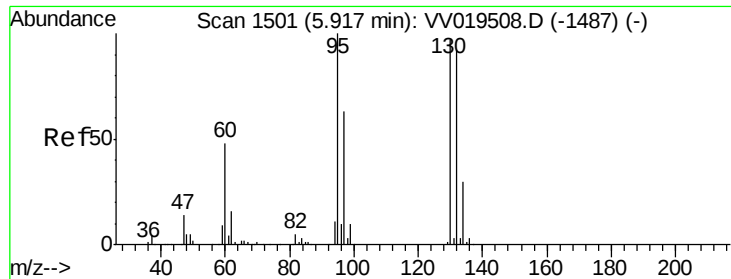
400000

200000

0

Time--> 5.00 5.10 5.20

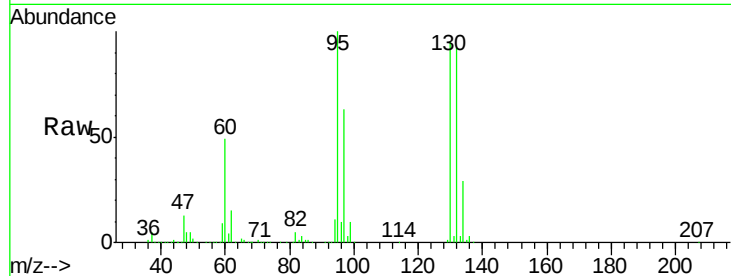




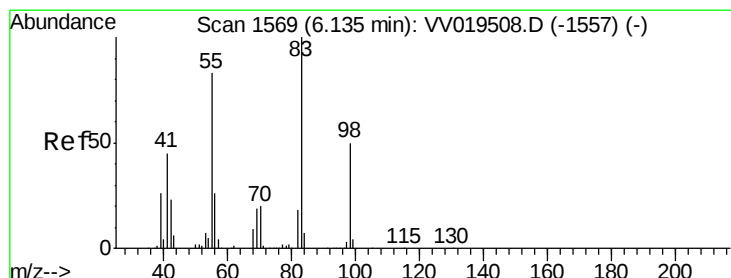
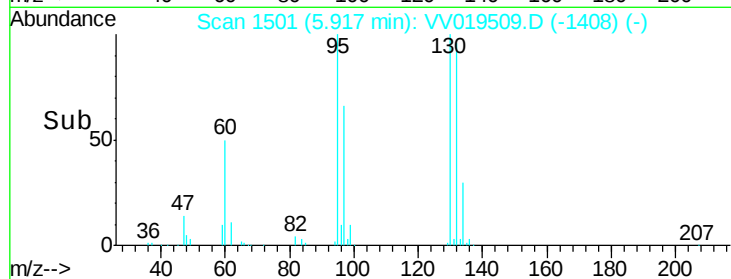
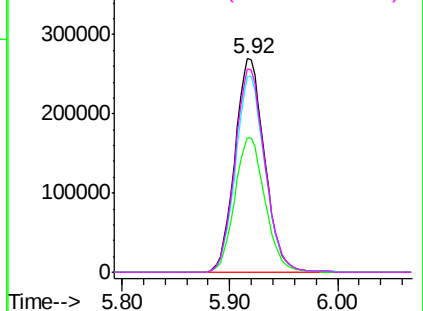
#34
 Trichloroethene
 Concen: 96.270 ug/L
 RT: 5.92 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VV019509.D
 Acq: 10 Dec 2020 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

Tgt Ion:	95	Resp:	517872
Ion	Ratio	Lower	Upper
95	100		
97	62.9	44.4	82.4
132	91.7	64.3	119.3
130	95.4	67.8	125.8

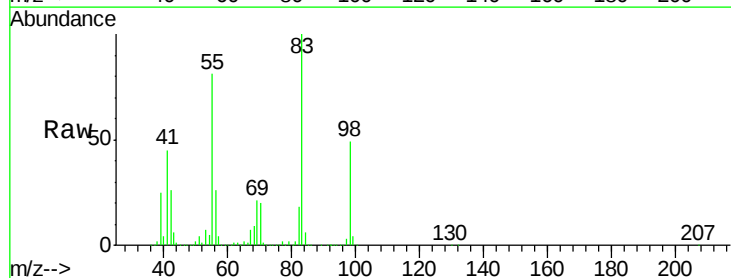


Abundance Ion 95.00 (94.70 to 95.70): VV019509.D (-1408) (-)
 Ion 97.00 (96.70 to 97.70): VV019509.D (-1408) (-)
 Ion 132.00 (131.70 to 132.70): VV019509.D (-1408) (-)
 Ion 130.00 (129.70 to 130.70): VV019509.D (-1408) (-)

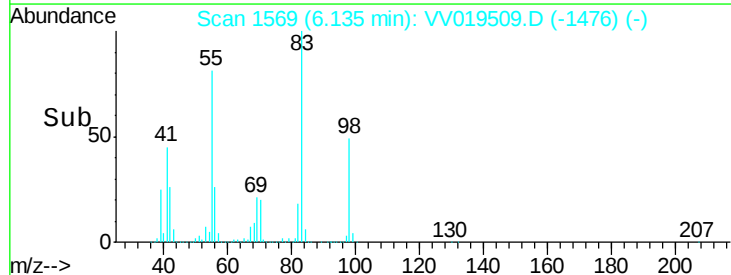
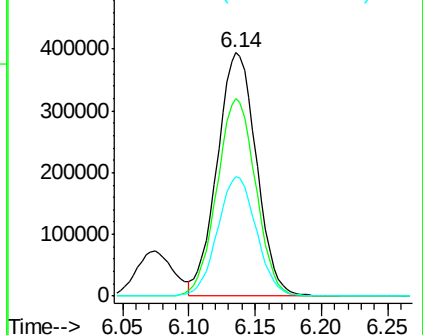


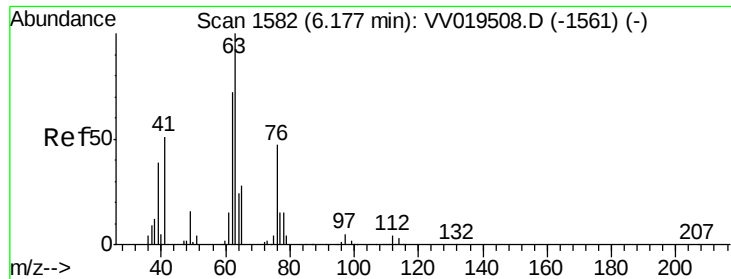
#35
 Methylcyclohexane
 Concen: 121.321 ug/L
 RT: 6.14 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VV019509.D
 Acq: 10 Dec 2020 12:52

Tgt Ion:	83	Resp:	808654
Ion	Ratio	Lower	Upper
83	100		
55	80.0	64.2	96.4
98	48.7	39.3	58.9



Abundance Ion 83.00 (82.70 to 83.70): VV019509.D (-1476) (-)
 Ion 55.00 (54.70 to 55.70): VV019509.D (-1476) (-)
 Ion 98.00 (97.70 to 98.70): VV019509.D (-1476) (-)





#37

1,2-Dichloropropane

Concen: 94.588 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

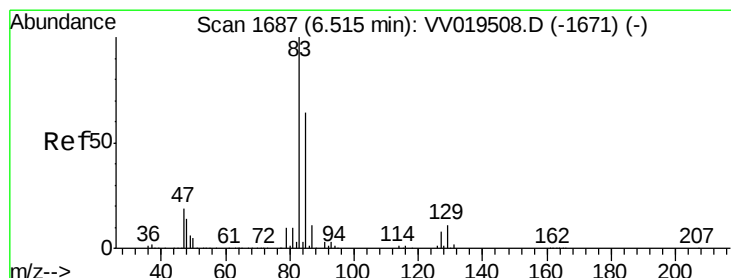
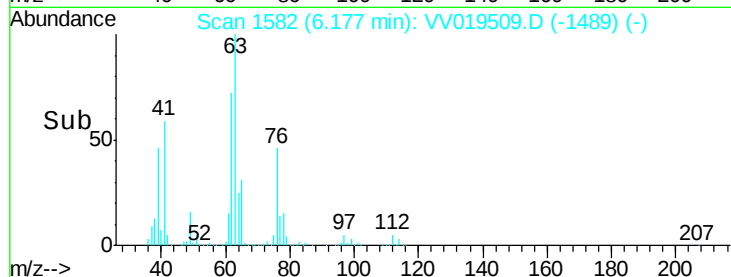
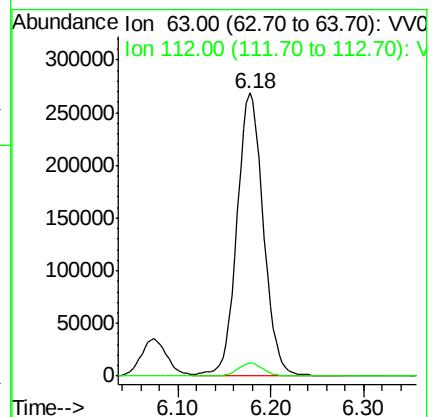
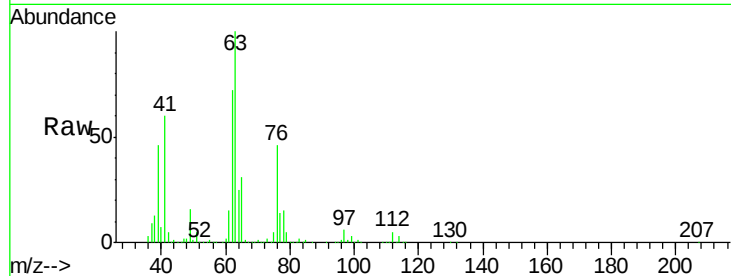
VSTD10063

Tgt Ion: 63 Resp: 528234

Ion Ratio Lower Upper

63 100

112 4.6 3.5 5.3



#38

Bromodichloromethane

Concen: 100.296 ug/L

RT: 6.51 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

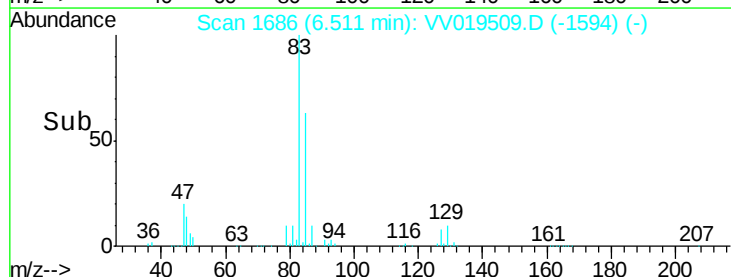
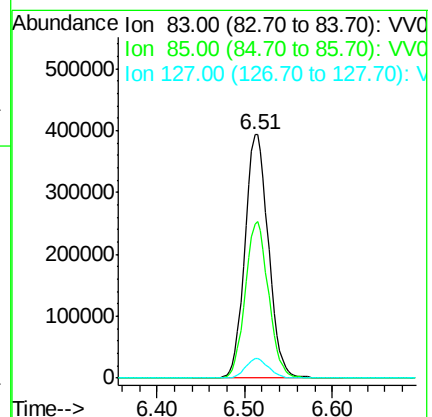
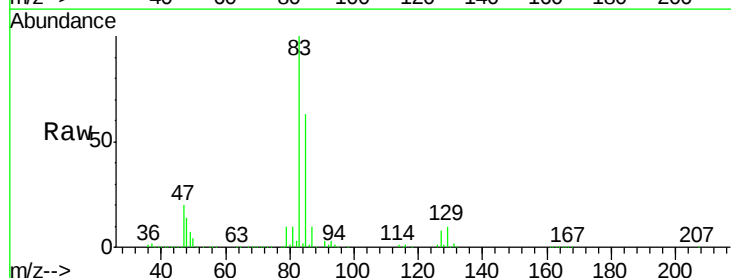
Tgt Ion: 83 Resp: 732922

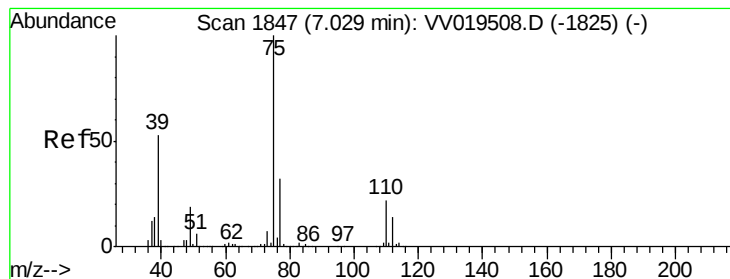
Ion Ratio Lower Upper

83 100

85 63.3 44.9 83.5

127 7.8 6.7 10.1



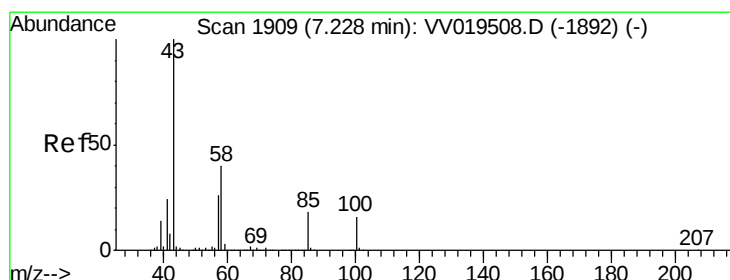
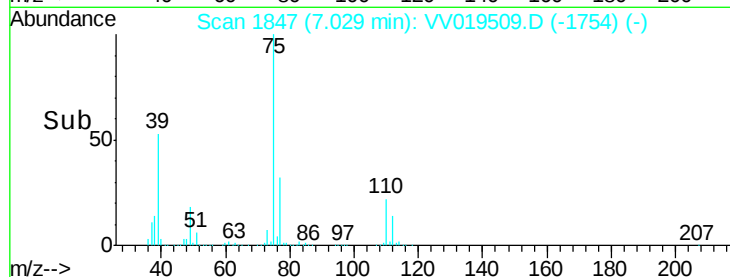
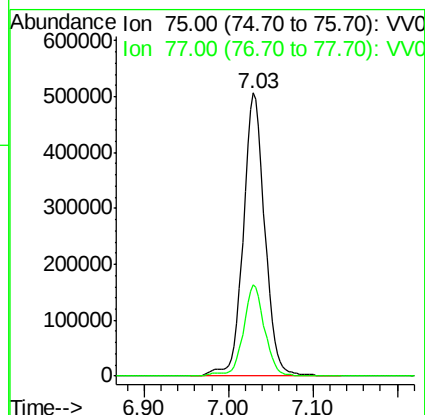
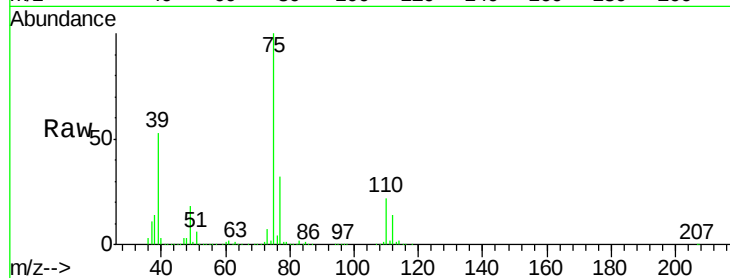


#39

cis-1,3-Dichloropropene
 Concen: 112.095 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VV019509.D
 Acq: 10 Dec 2020 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

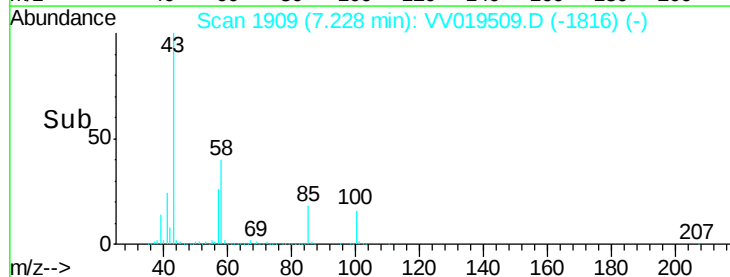
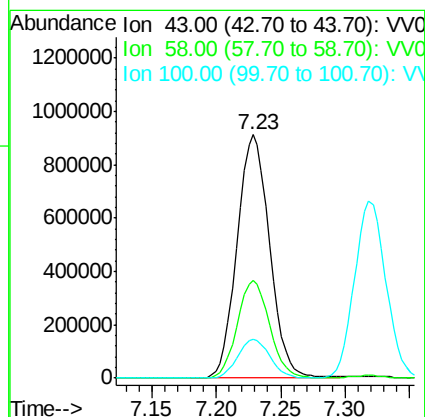
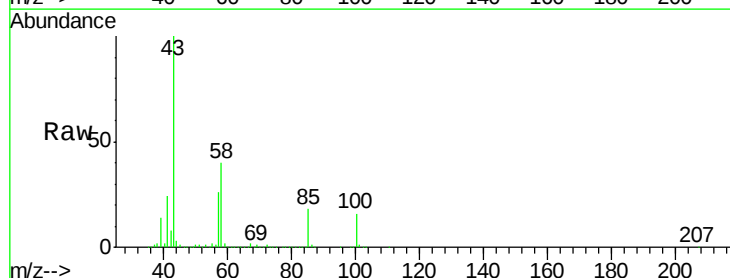
Tgt Ion: 75 Resp: 906659
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.4 41.6

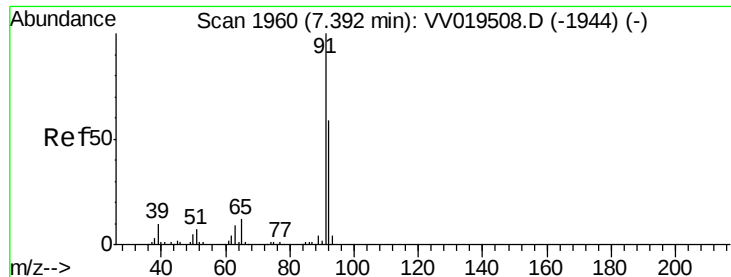


#40

4-Methyl-2-pentanone
 Concen: 195.435 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VV019509.D
 Acq: 10 Dec 2020 12:52

Tgt Ion: 43 Resp: 1600312
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.7 47.5
 100 15.8 12.5 18.7





#42

Toluene

Concen: 107.795 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

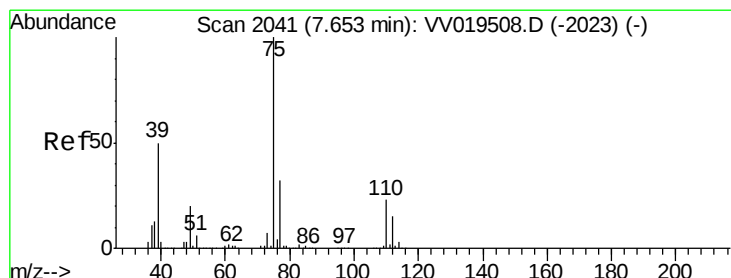
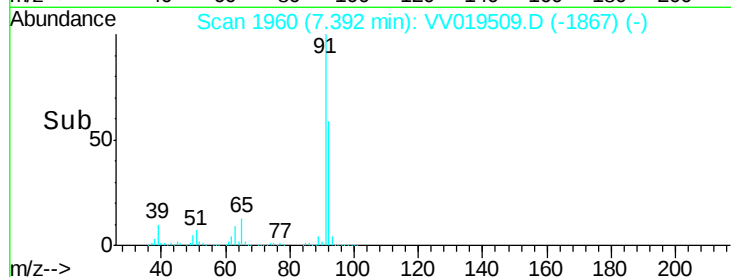
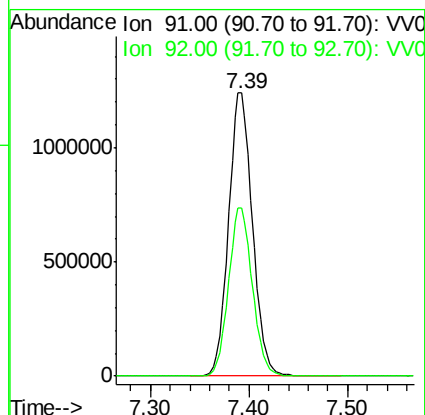
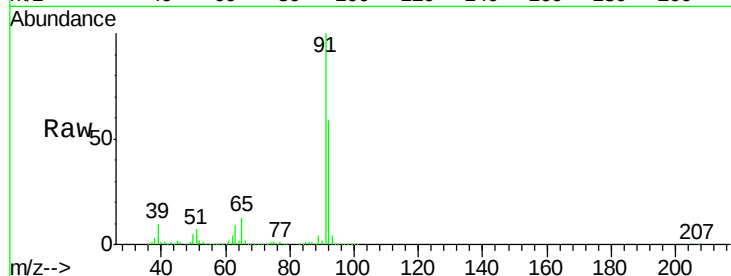
VSTD10063

Tgt Ion: 91 Resp: 2102412

Ion Ratio Lower Upper

91 100

92 59.4 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 108.282 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019509.D

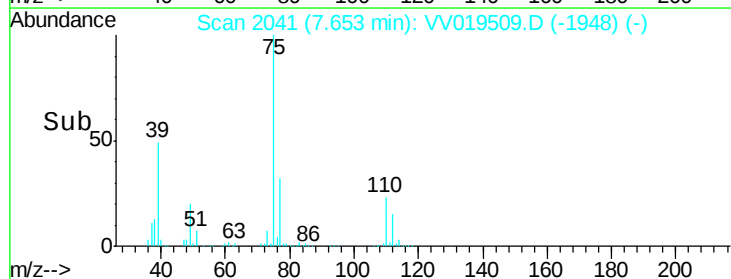
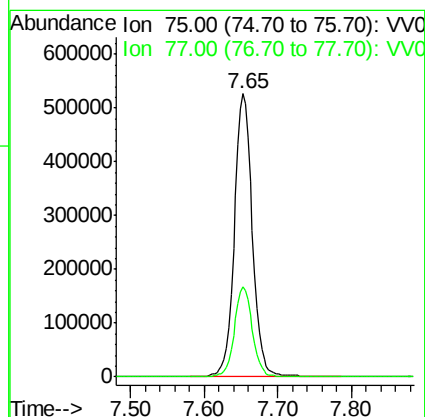
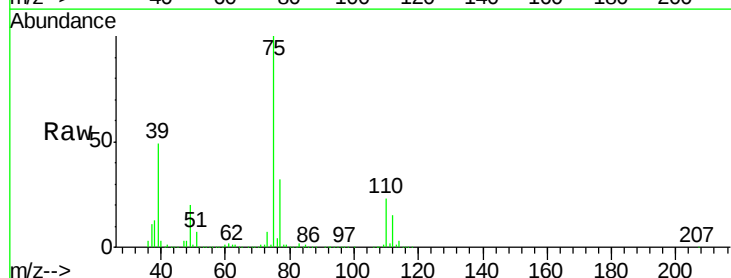
Acq: 10 Dec 2020 12:52

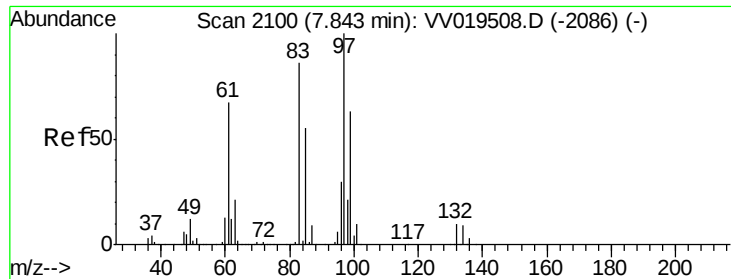
Tgt Ion: 75 Resp: 887021

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.9

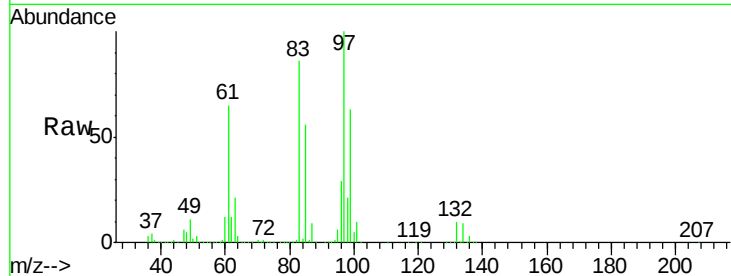




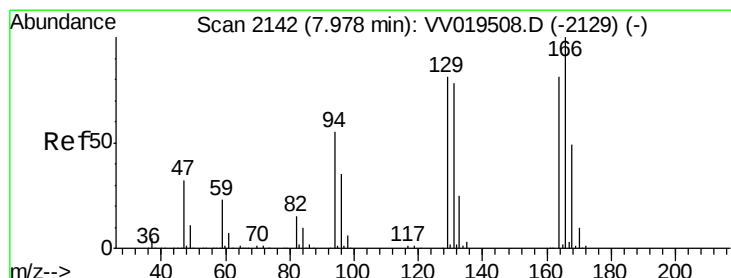
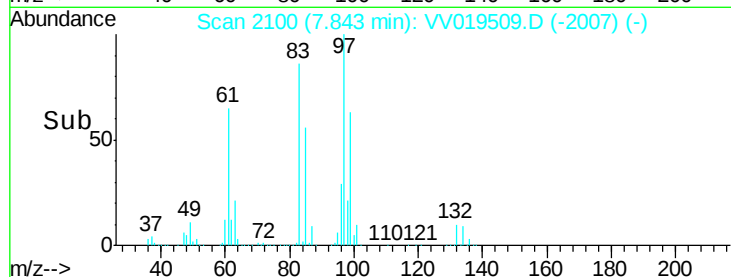
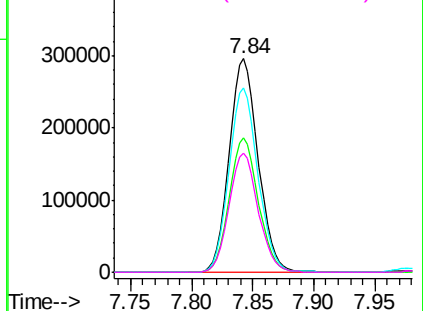
#45
 1,1,2-Trichloroethane
 Concen: 96.986 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. 0.00 min
 Lab File: VV019509.D
 Acq: 10 Dec 2020 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

Tgt Ion:	97	Resp:	491243
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.1	81.9
83	86.3	60.0	111.4
85	56.0	38.6	71.8

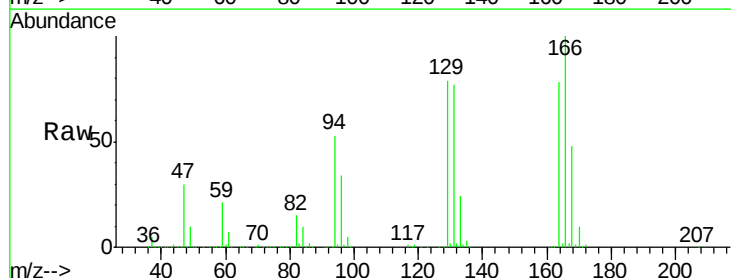


Abundance Ion 97.00 (96.70 to 97.70): VV019509.D (-2007) (-)

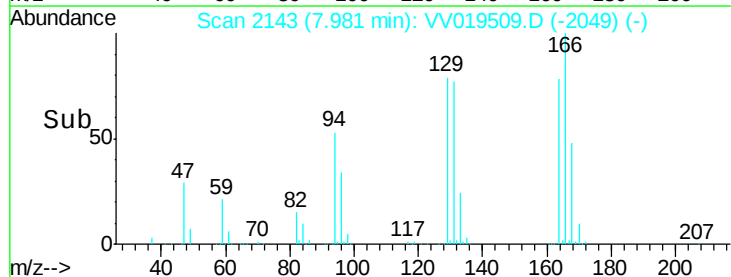
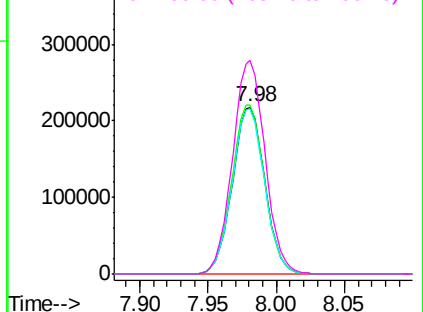


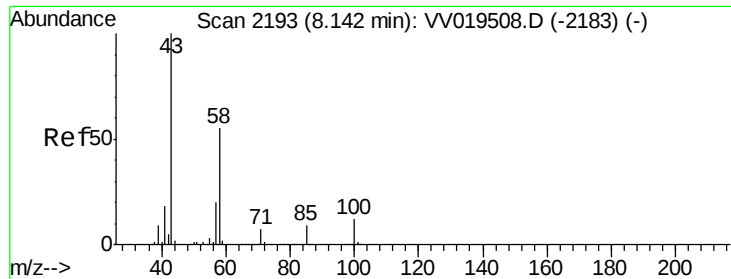
#46
 Tetrachloroethene
 Concen: 108.671 ug/L
 RT: 7.98 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VV019509.D
 Acq: 10 Dec 2020 12:52

Tgt Ion:	164	Resp:	360824
Ion	Ratio	Lower	Upper
164	100		
129	101.4	70.6	131.0
131	98.6	68.0	126.4
166	128.0	86.9	161.5



Abundance Ion 164.00 (163.70 to 164.70): VV019509.D (-2049) (-)

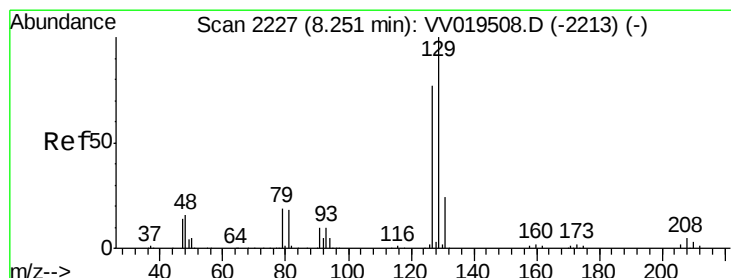
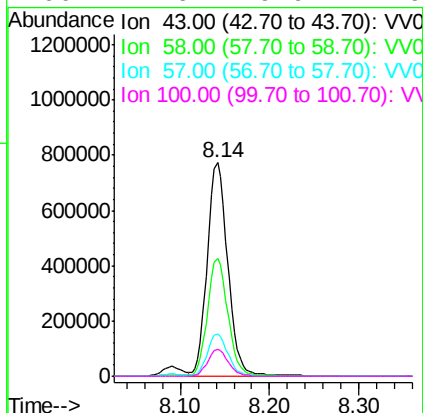
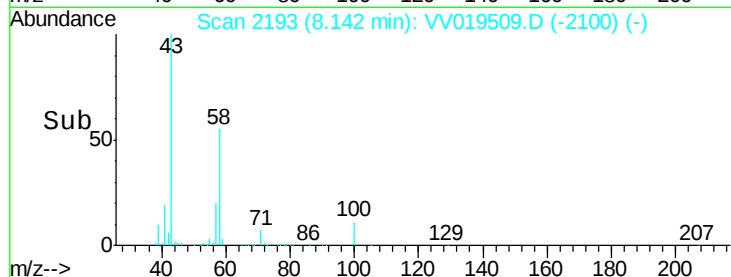
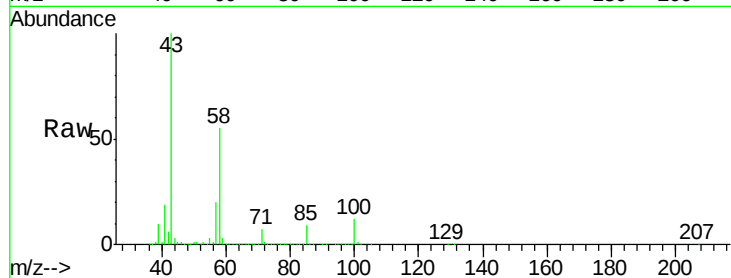




#48
2-Hexanone
Concen: 189.616 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VV019509.D
Acq: 10 Dec 2020 12:52

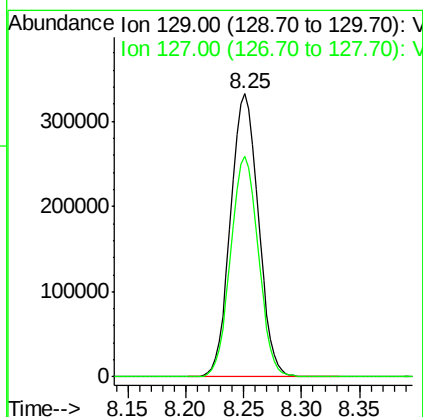
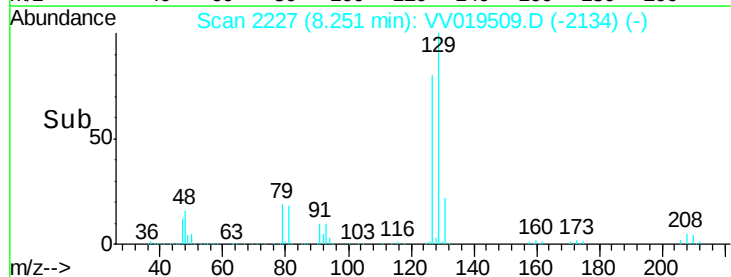
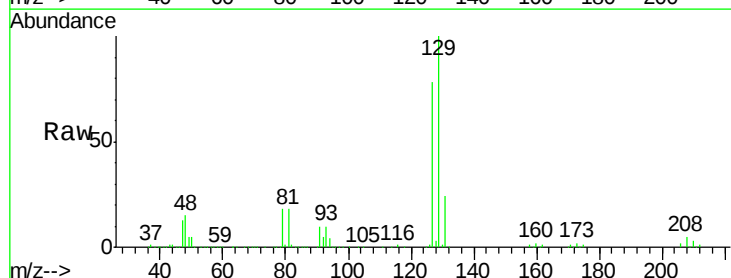
Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

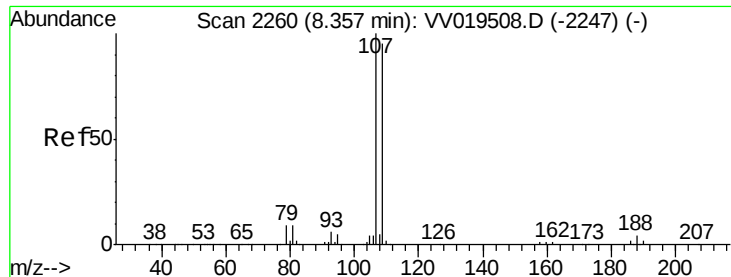
Tgt Ion: 43 Resp: 1233410
Ion Ratio Lower Upper
43 100
58 55.2 44.4 66.6
57 19.4 15.7 23.5
100 12.6 9.9 14.9



#49
Dibromochloromethane
Concen: 104.667 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019509.D
Acq: 10 Dec 2020 12:52

Tgt Ion: 129 Resp: 555281
Ion Ratio Lower Upper
129 100
127 77.7 54.2 100.6

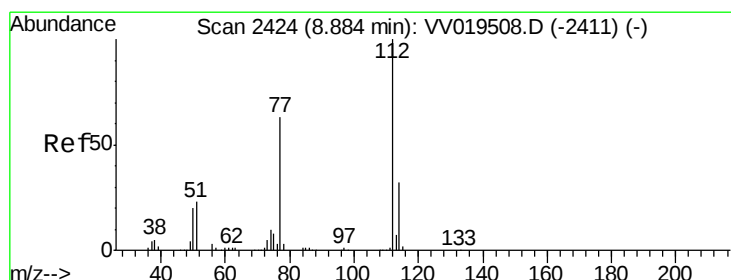
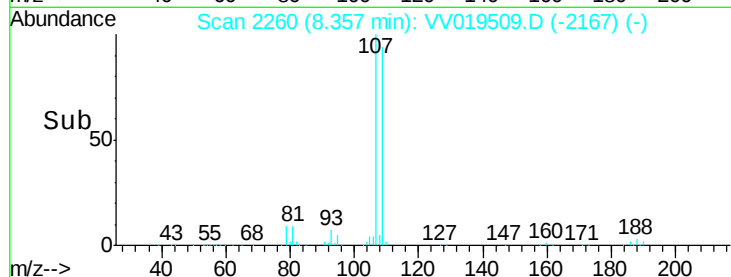
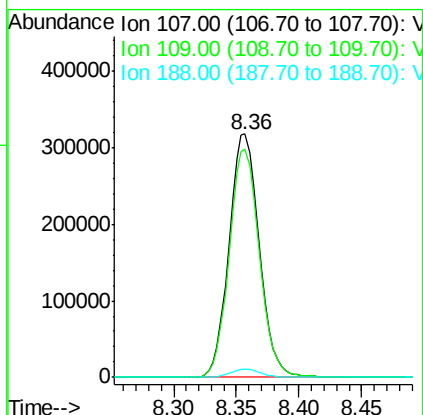
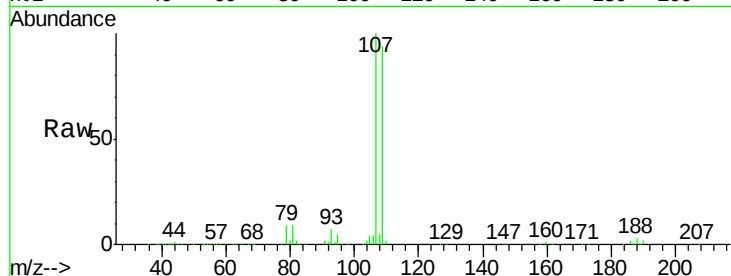




#50
 1,2-Dibromoethane
 Concen: 104.752 ug/L
 RT: 8.36 min Scan# 2260
 Delta R.T. 0.00 min
 Lab File: VV019509.D
 Acq: 10 Dec 2020 12:52

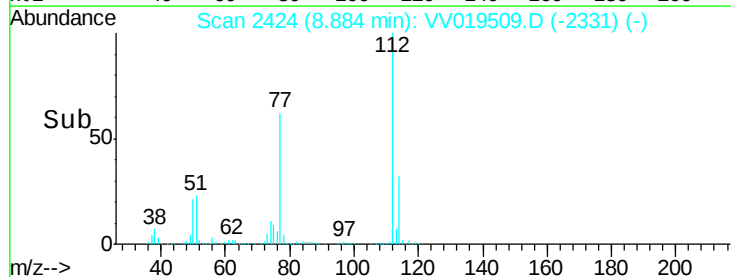
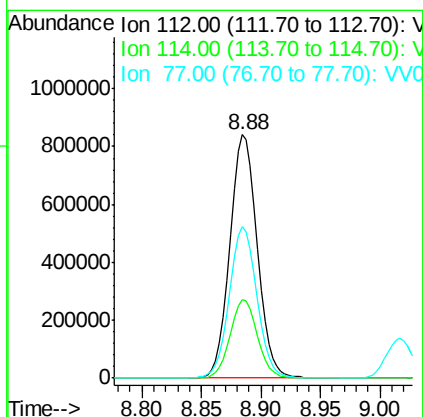
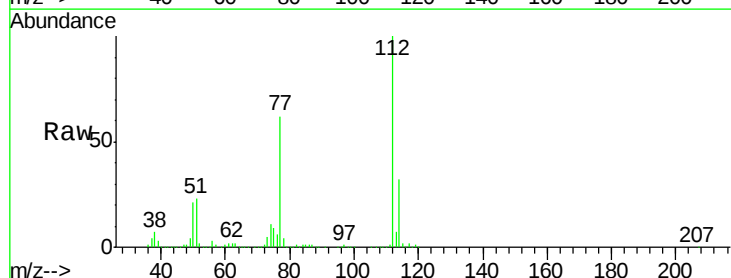
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

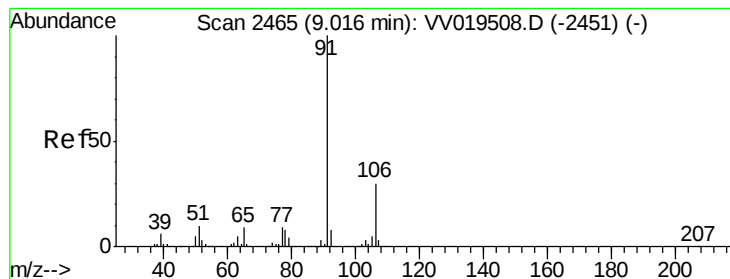
Tgt Ion:107 Resp: 532436
 Ion Ratio Lower Upper
 107 100
 109 93.5 66.4 123.2
 188 3.4 2.9 4.3



#51
 Chlorobenzene
 Concen: 105.500 ug/L
 RT: 8.88 min Scan# 2424
 Delta R.T. 0.00 min
 Lab File: VV019509.D
 Acq: 10 Dec 2020 12:52

Tgt Ion:112 Resp: 1343780
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.2 41.2
 77 62.2 50.6 75.8





#52

Ethylbenzene

Concen: 111.924 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

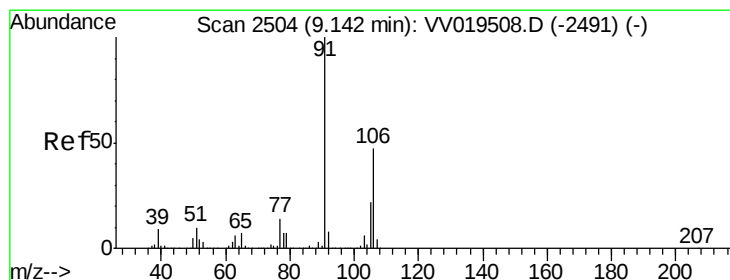
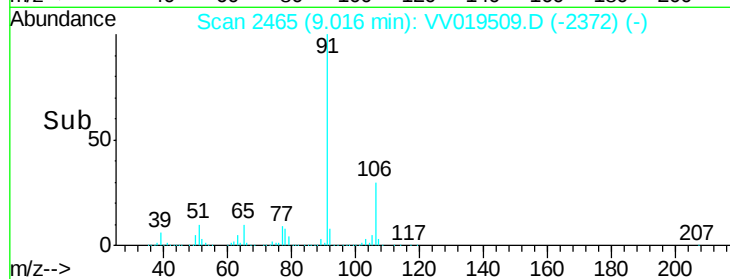
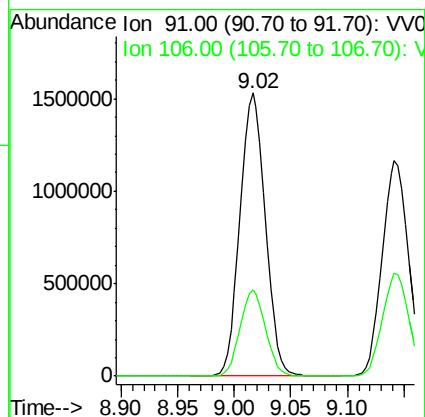
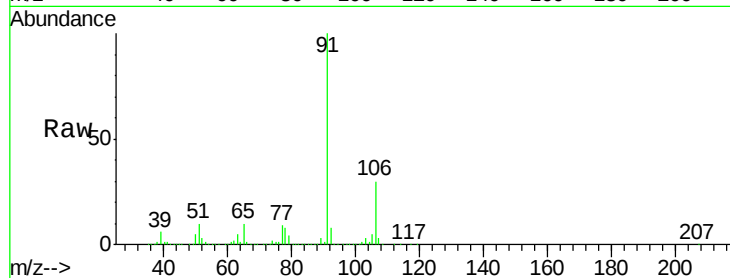
VSTD10063

Tgt Ion: 91 Resp: 2402469

Ion Ratio Lower Upper

91 100

106 30.4 21.1 39.3



#53

m,p-Xylene

Concen: 117.076 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019509.D

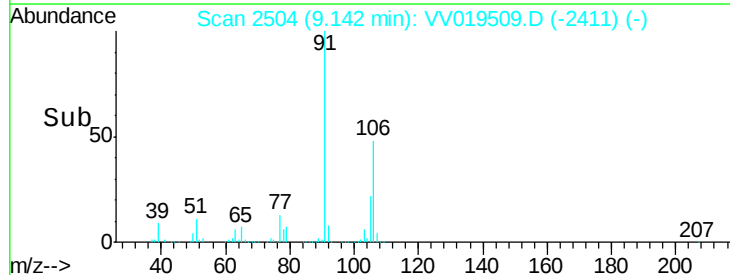
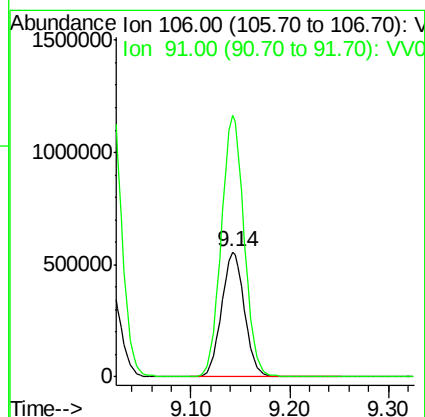
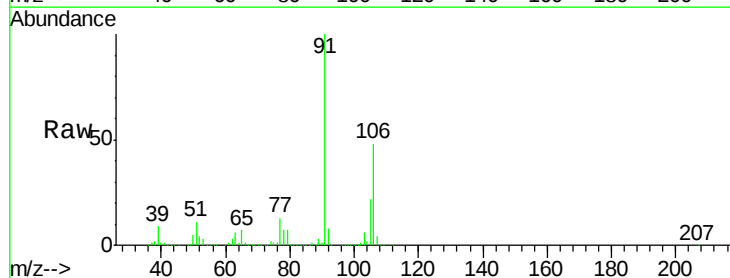
Acq: 10 Dec 2020 12:52

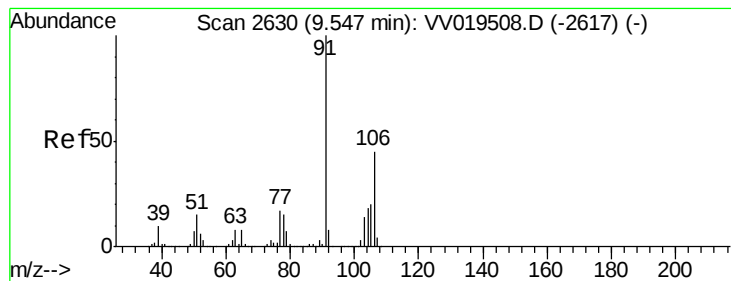
Tgt Ion: 106 Resp: 902743

Ion Ratio Lower Upper

106 100

91 209.8 147.7 274.3





#54

o-xylene

Concen: 118.641 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

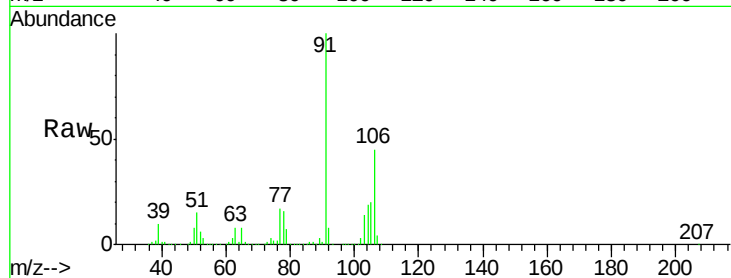
VSTD10063

Tgt Ion:106 Resp: 885803

Ion Ratio Lower Upper

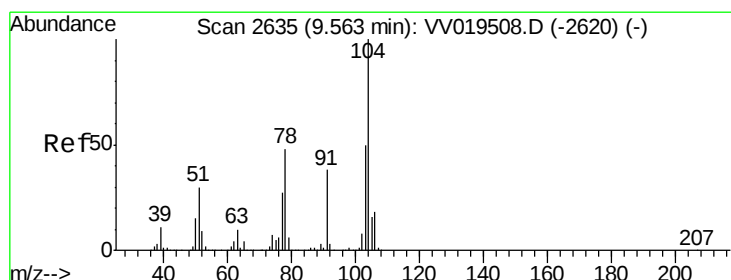
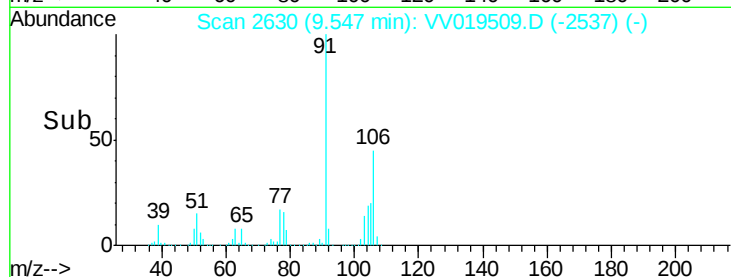
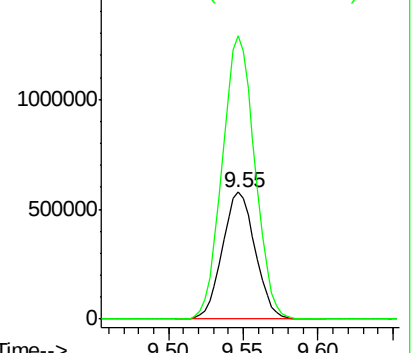
106 100

91 222.9 156.7 291.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 117.940 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019509.D

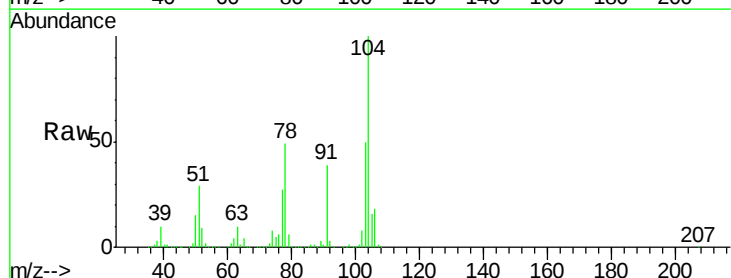
Acq: 10 Dec 2020 12:52

Tgt Ion:104 Resp: 1559061

Ion Ratio Lower Upper

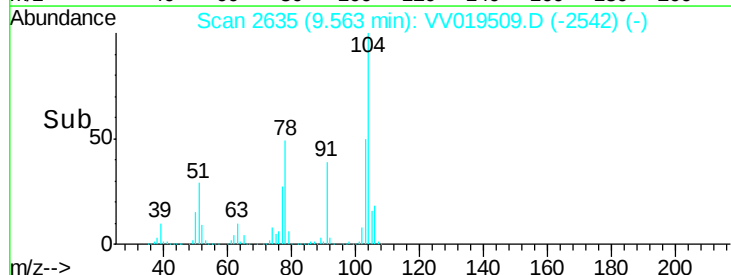
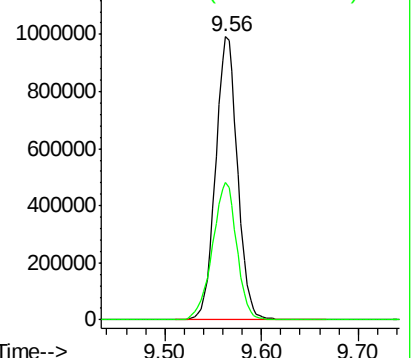
104 100

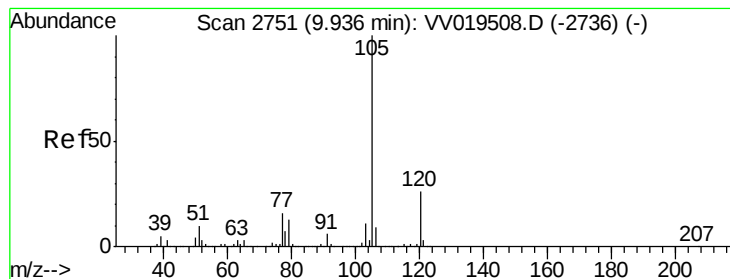
78 48.6 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 116.249 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

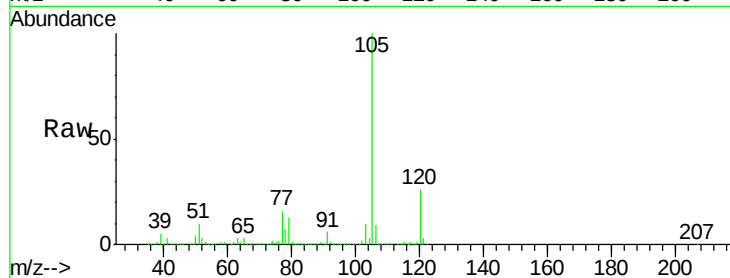
Tgt Ion:105 Resp: 2349751

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

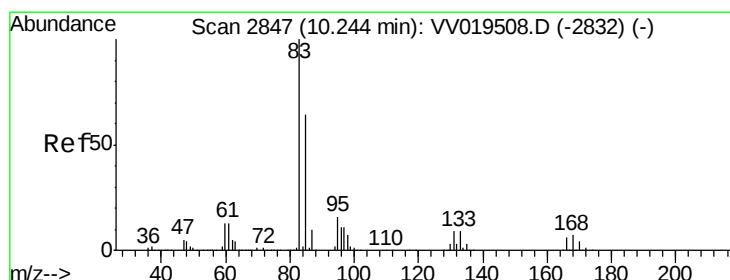
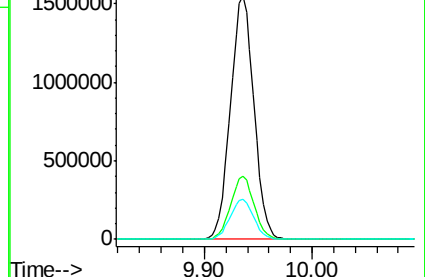
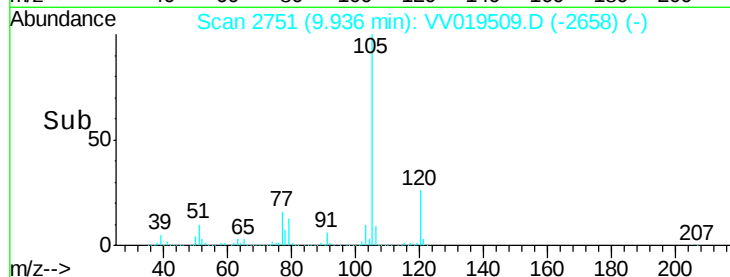
77 16.4 13.2 19.8



Abundance Ion 105.00 (104.70 to 105.70): VV019509.D (-2658) (-)

Ion 120.00 (119.70 to 120.70): VV019509.D (-2658) (-)

Ion 77.00 (76.70 to 77.70): VV019509.D (-2658) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 104.882 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

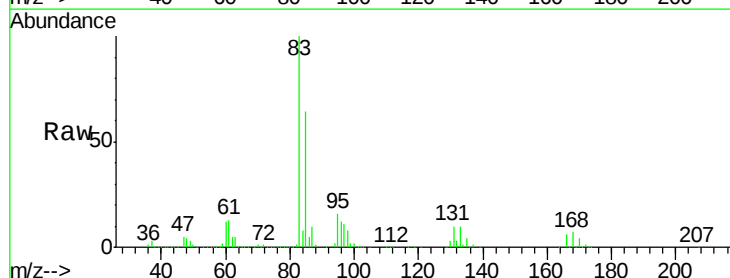
Tgt Ion: 83 Resp: 810280

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.5

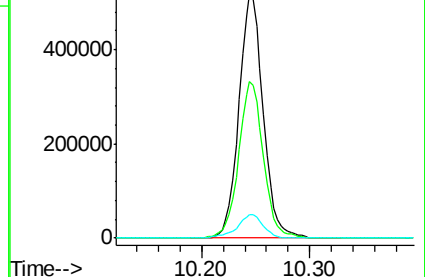
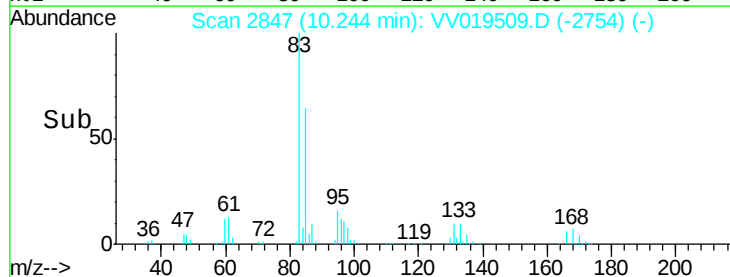
131 9.5 7.6 11.4

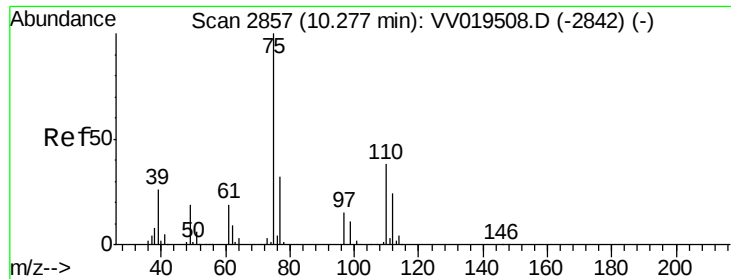


Abundance Ion 83.00 (82.70 to 83.70): VV019509.D (-2754) (-)

Ion 85.00 (84.70 to 85.70): VV019509.D (-2754) (-)

Ion 131.00 (130.70 to 131.70): VV019509.D (-2754) (-)





#59

1,2,3-Trichloropropane

Concen: 95.860 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

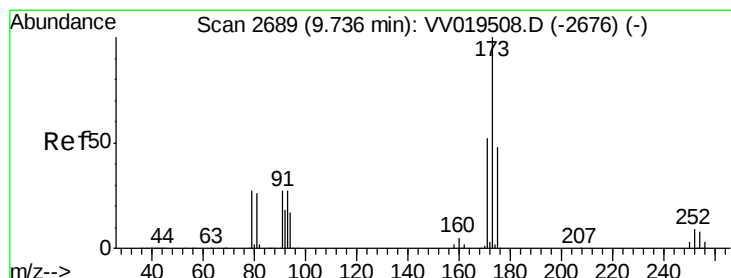
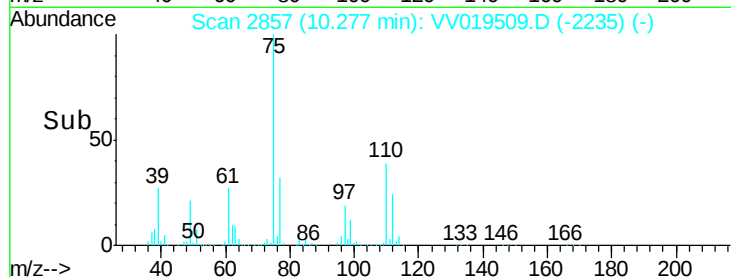
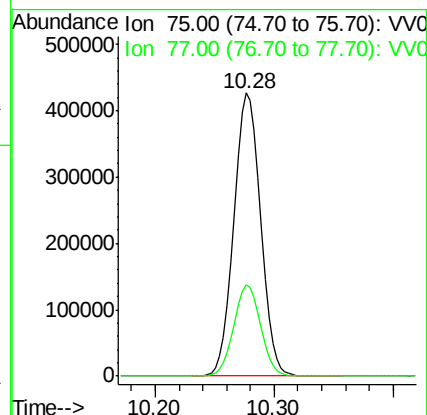
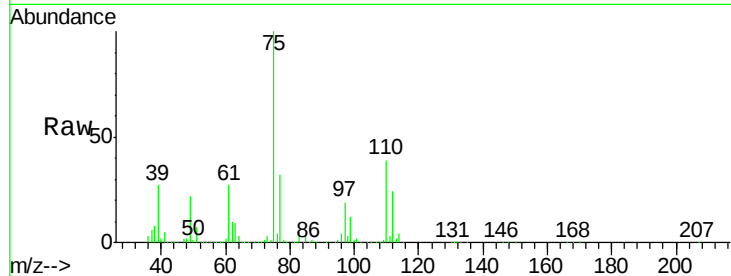
VSTD10063

Tgt Ion: 75 Resp: 664895

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8



#61

Bromoform

Concen: 105.954 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

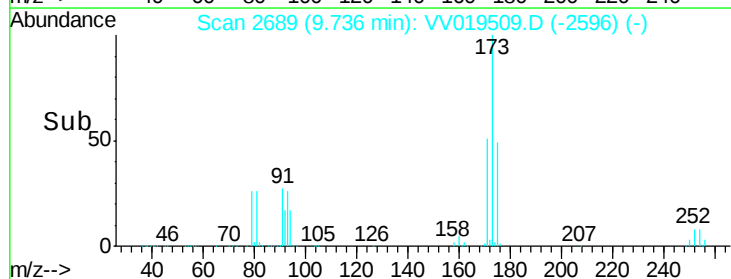
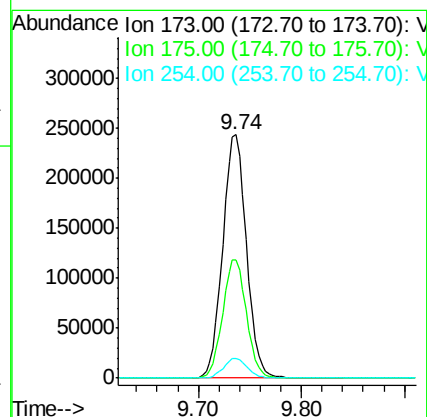
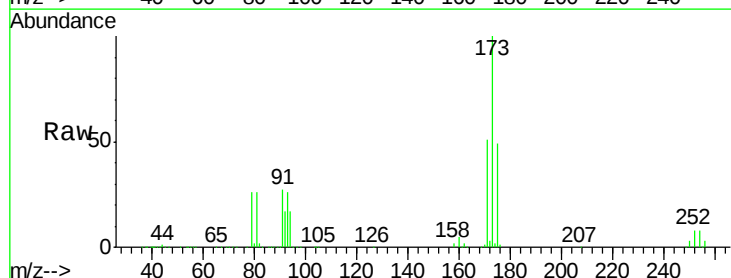
Tgt Ion: 173 Resp: 389407

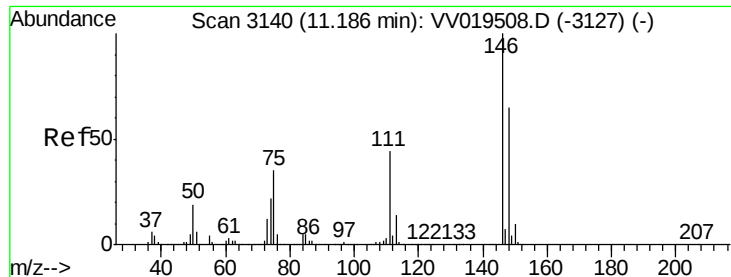
Ion Ratio Lower Upper

173 100

175 48.8 38.4 57.6

254 8.1 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 106.776 ug/L

RT: 11.18 min Scan# 3139

Delta R.T. -0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

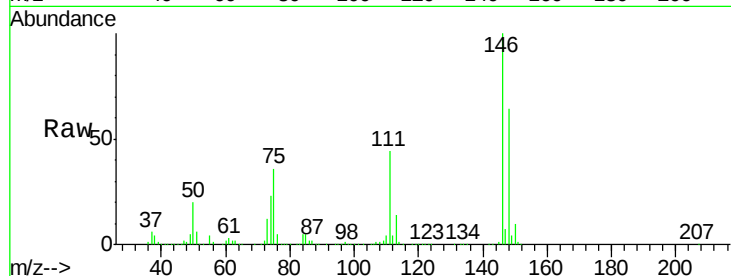
Tgt Ion:146 Resp: 1020628

Ion Ratio Lower Upper

146 100

111 44.2 30.7 57.1

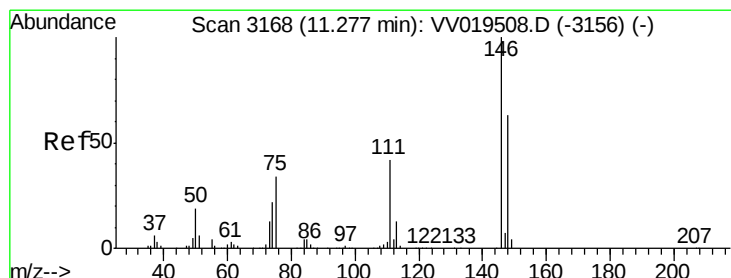
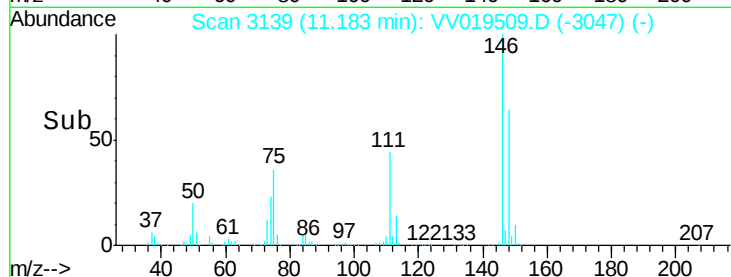
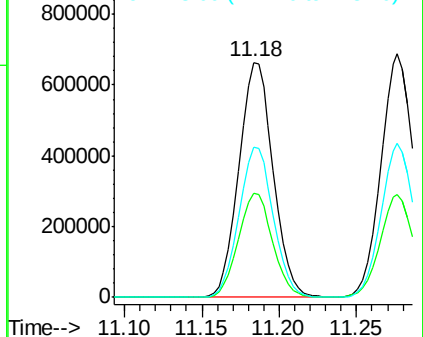
148 63.8 45.3 84.1



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: 102.668 ug/L

RT: 11.28 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

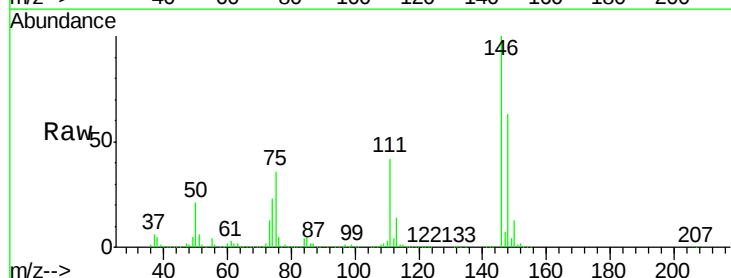
Tgt Ion:146 Resp: 1026507

Ion Ratio Lower Upper

146 100

111 42.3 29.8 55.4

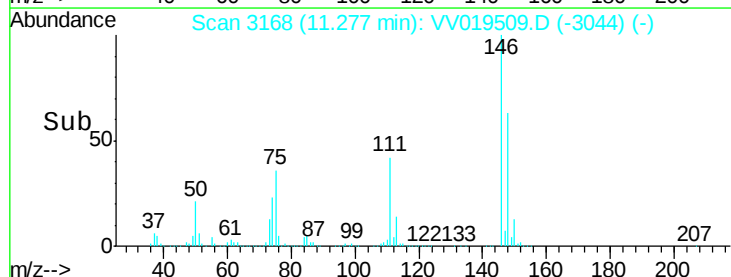
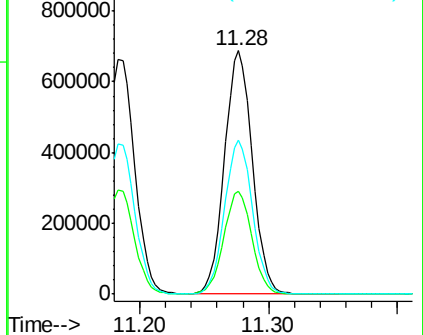
148 63.3 44.2 82.0

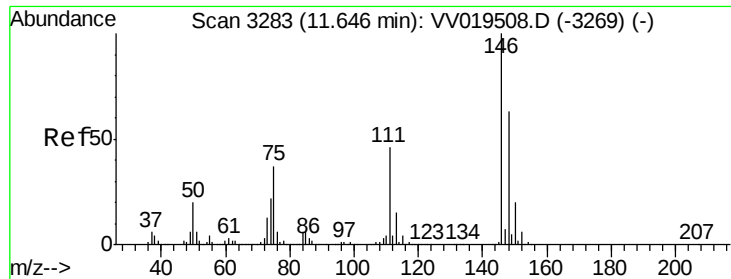


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

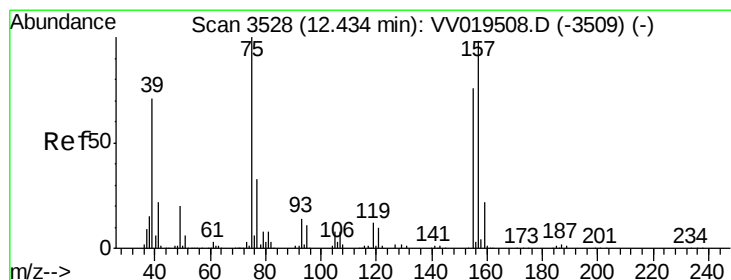
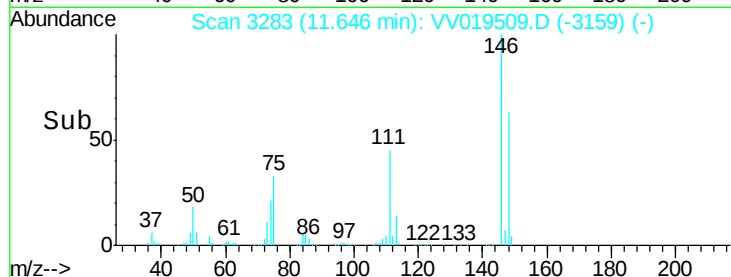
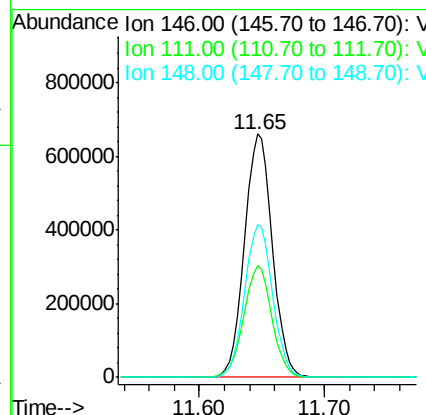
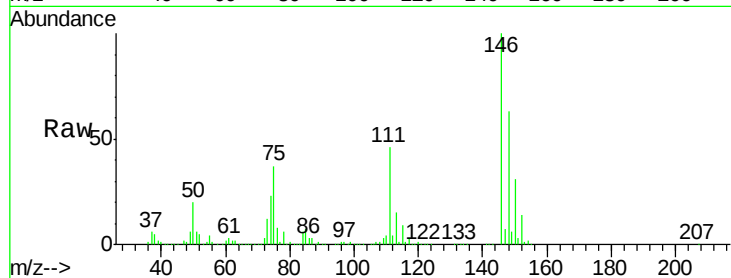




#65
 1,2-Dichlorobenzene
 Concen: 104.564 ug/L
 RT: 11.65 min Scan# 3283
 Delta R.T. 0.00 min
 Lab File: VV019509.D
 Acq: 10 Dec 2020 12:52

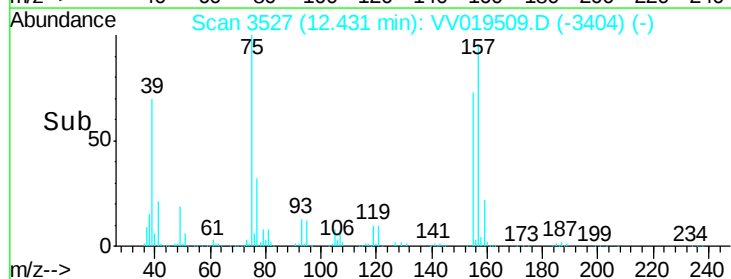
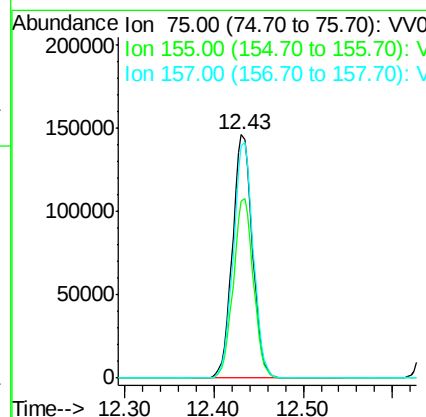
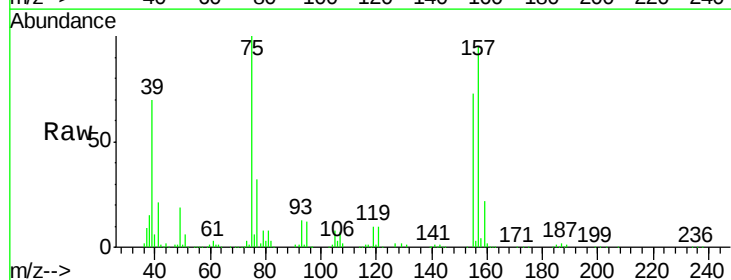
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

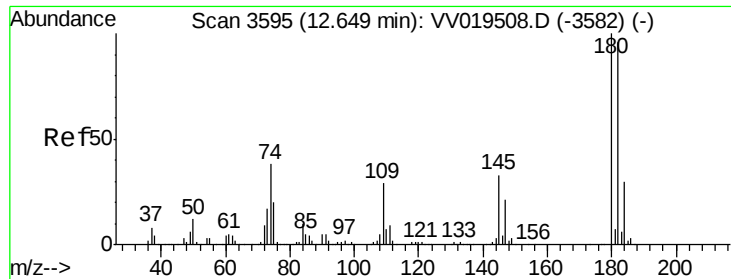
Tgt Ion:146 Resp: 1020027
 Ion Ratio Lower Upper
 146 100
 111 45.8 36.6 55.0
 148 62.7 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 115.960 ug/L
 RT: 12.43 min Scan# 3527
 Delta R.T. -0.00 min
 Lab File: VV019509.D
 Acq: 10 Dec 2020 12:52

Tgt Ion: 75 Resp: 227053
 Ion Ratio Lower Upper
 75 100
 155 73.0 61.1 91.7
 157 95.5 78.7 118.1

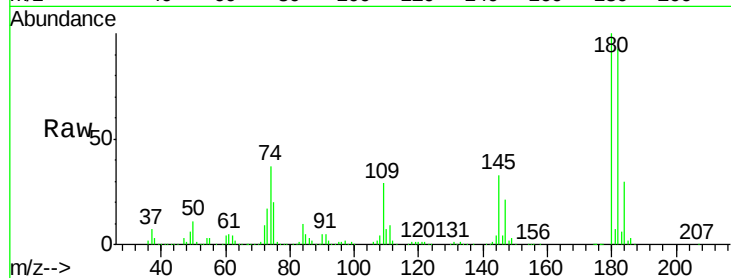




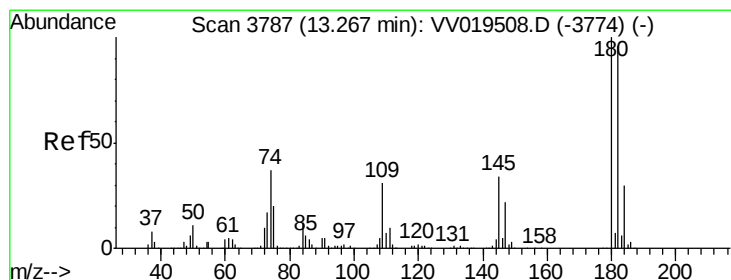
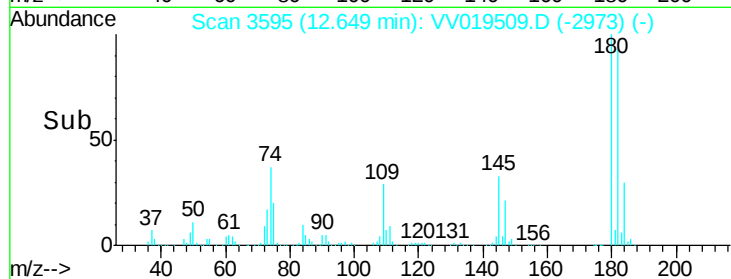
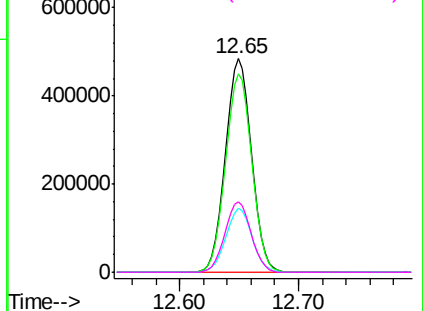
#67
 1,3,5-Trichlorobenzene
 Concen: 103.090 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VV019509.D
 Acq: 10 Dec 2020 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

Tgt Ion:	180	Resp:	733989
Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.8	113.6
184	29.9	23.9	35.9
145	33.0	26.2	39.2

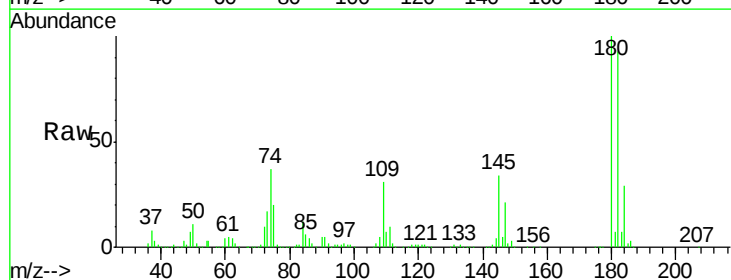


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

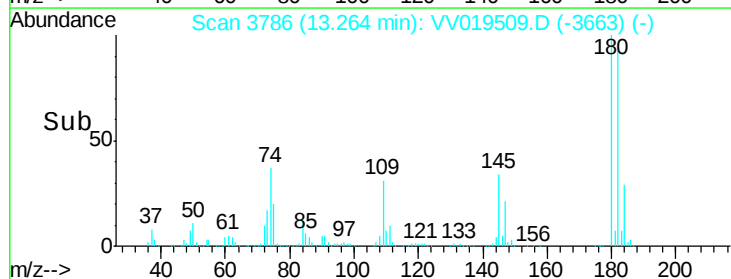
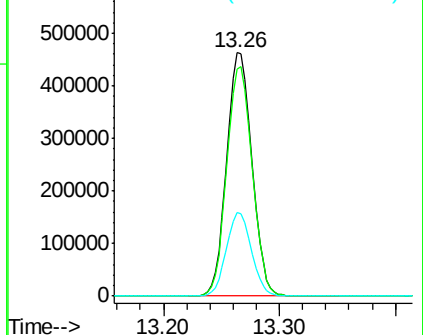


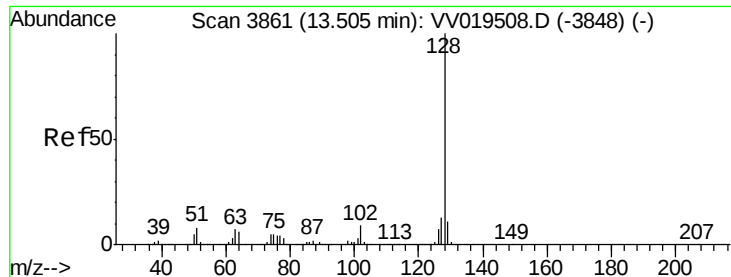
#68
 1,2,4-trichlorobenzene
 Concen: 109.922 ug/L
 RT: 13.26 min Scan# 3786
 Delta R.T. -0.00 min
 Lab File: VV019509.D
 Acq: 10 Dec 2020 12:52

Tgt Ion:	180	Resp:	693131
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.5	114.7
145	34.1	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: 142.824 ug/L

RT: 13.50 min Scan# 3861

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

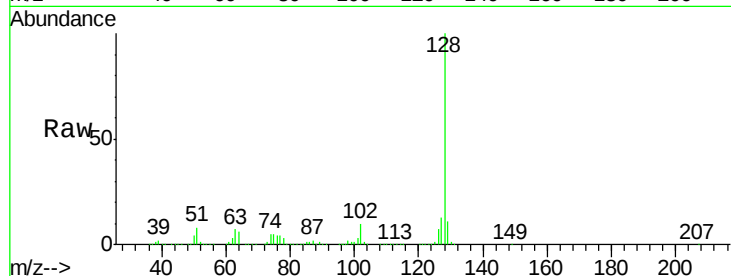
Tgt Ion:128 Resp: 2550058

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

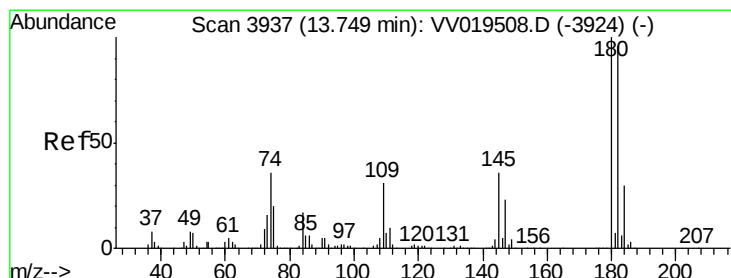
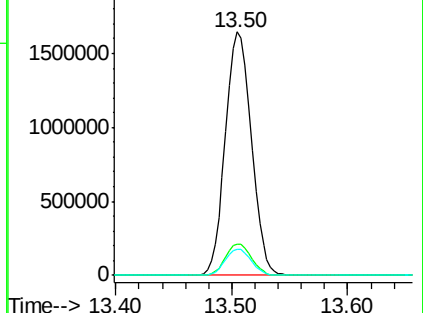
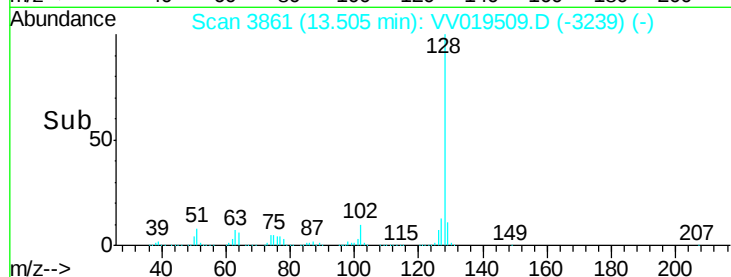
129 10.9 8.6 12.8



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: 105.818 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.00 min

Lab File: VV019509.D

Acq: 10 Dec 2020 12:52

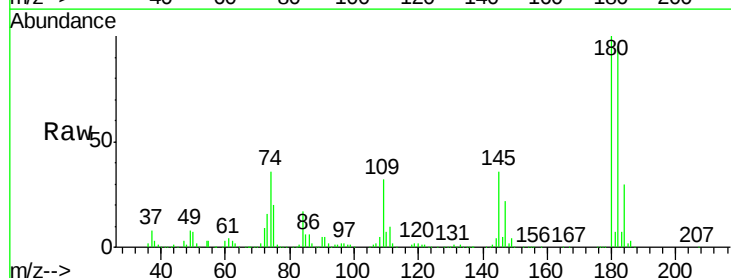
Tgt Ion:180 Resp: 680965

Ion Ratio Lower Upper

180 100

182 95.3 75.8 113.6

145 36.1 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

