

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121620\
 Data File : VV019687.D
 Acq On : 16 Dec 2020 20:11
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 17 00:32:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 17 00:30:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	600815	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	562114	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	284890	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	197791	45.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.82%
7) Chloroethane-d5	1.57	69	163109	48.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.11	63	362429	45.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.66%
21) 2-Butanone-d5	3.89	46	316230	135.04	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	135.04%#
24) Chloroform-d	4.35	84	374660	48.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.50%
26) 1,2-Dichloroethane-d4	5.04	65	250011	49.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.54%
32) Benzene-d6	5.05	84	712956	47.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.12%
36) 1,2-Dichloropropane-d6	6.07	67	232008	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.80%
41) Toluene-d8	7.32	98	627893	46.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.04%
43) trans-1,3-Dichloropropene-	7.62	79	115285	43.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.32%
47) 2-Hexanone-d5	8.09	63	227143	123.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.24%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	315345	49.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.28%
64) 1,2-Dichlorobenzene-d4	11.63	152	239081	44.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.78%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	203255	41.920	ug/L	100
3) Chloromethane	1.24	50	236327	45.855	ug/L	100
5) Vinyl chloride	1.31	62	233296	45.129	ug/L	99
6) Bromomethane	1.52	94	140672	45.312	ug/L	97
8) Chloroethane	1.59	64	145147	46.549	ug/L	100
9) Trichlorofluoromethane	1.76	101	281088	44.504	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	157561	45.172	ug/L	99
12) 1,1-Dichloroethene	2.12	96	159867	44.664	ug/L #	84
13) Acetone	2.18	43	204283	102.401	ug/L	100
14) Carbon disulfide	2.30	76	471967	40.130	ug/L	99
15) Methyl Acetate	2.43	43	224695	51.697	ug/L	99
16) Methylene chloride	2.51	84	199432	47.522	ug/L	98
17) trans-1,2-Dichloroethene	2.76	96	177745	45.306	ug/L	97
18) Methyl tert-butyl Ether	2.77	73	632421	46.133	ug/L	99
19) 1,1-Dichloroethane	3.19	63	359743	47.298	ug/L	100
20) cis-1,2-Dichloroethene	3.92	96	201817	46.796	ug/L #	97
22) 2-Butanone	3.97	43	319115	109.051	ug/L	97

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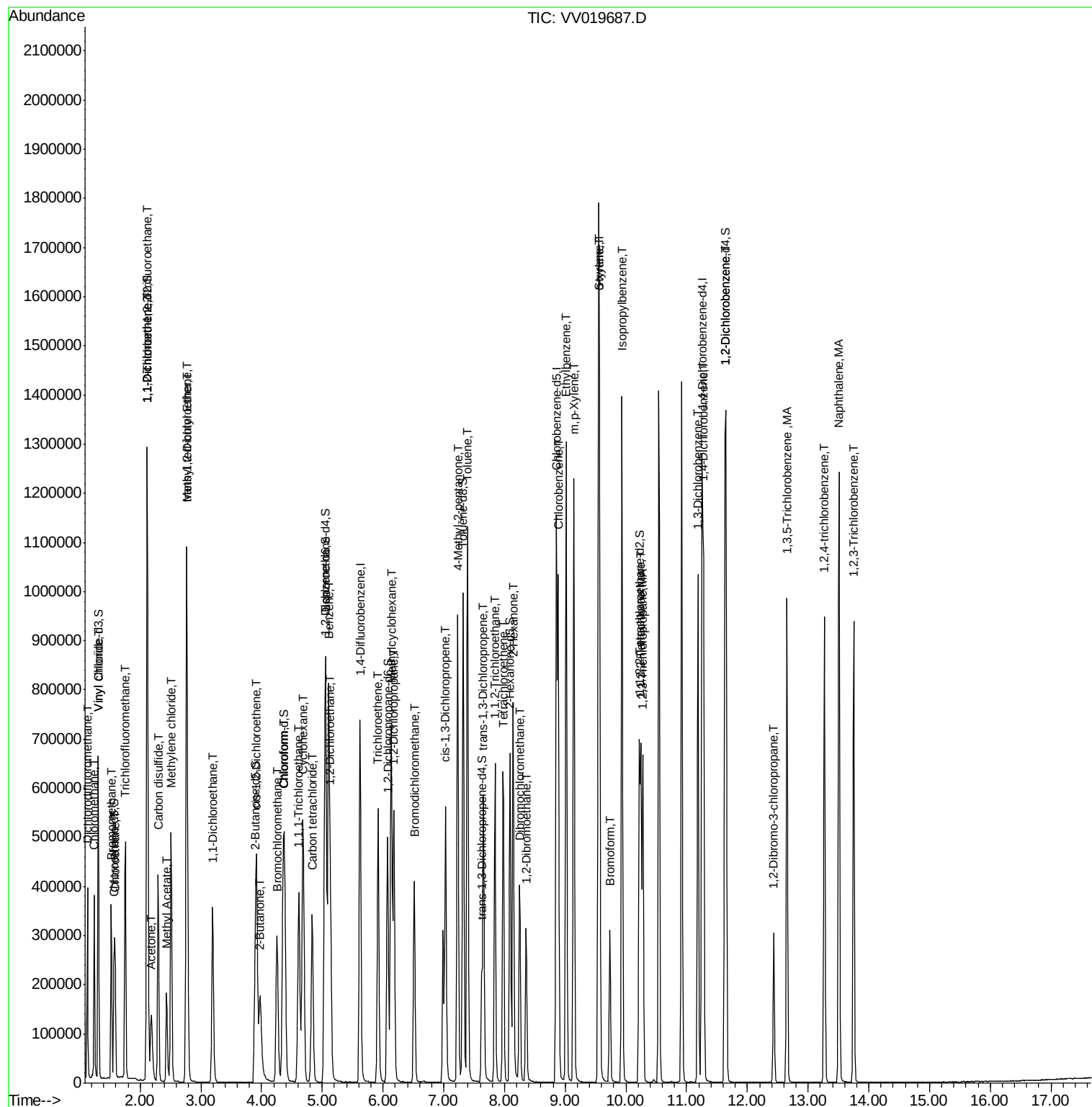
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	99187	46.743	ug/L	98
25) Chloroform	4.38	83	359547	47.332	ug/L	99
27) 1,2-Dichloroethane	5.14	62	296583	47.128	ug/L	100
29) Cyclohexane	4.68	56	299970	43.541	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	305173	43.298	ug/L	99
31) Carbon tetrachloride	4.83	117	248929	41.837	ug/L	99
33) Benzene	5.10	78	771396	46.956	ug/L	100
34) Trichloroethene	5.92	95	192678	44.399	ug/L	98
35) Methylcyclohexane	6.14	83	297147	45.071	ug/L	99
37) 1,2-Dichloropropane	6.18	63	209114	48.742	ug/L	99
38) Bromodichloromethane	6.51	83	267213	44.542	ug/L	98
39) cis-1,3-Dichloropropene	7.03	75	324078	45.482	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	625382	101.038	ug/L	99
42) Toluene	7.39	91	783980	45.279	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	313954	43.515	ug/L	98
45) 1,1,2-Trichloroethane	7.84	97	191623	47.035	ug/L	99
46) Tetrachloroethene	7.98	164	128275	42.717	ug/L	99
48) 2-Hexanone	8.14	43	481905	102.609	ug/L	97
49) Dibromochloromethane	8.25	129	195475	43.812	ug/L	99
50) 1,2-Dibromoethane	8.36	107	201616	46.994	ug/L	97
51) Chlorobenzene	8.88	112	498674	45.094	ug/L	100
52) Ethylbenzene	9.02	91	879114	44.563	ug/L	100
53) m,p-Xylene	9.14	106	320757	43.522	ug/L	99
54) o-xylene	9.55	106	324215	44.881	ug/L	99
55) Styrene	9.56	104	566989	45.033	ug/L	100
56) Isopropylbenzene	9.94	105	848684	44.099	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.25	83	314100	47.942	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	261102	48.929	ug/L	100
61) Bromoform	9.74	173	127088	40.316	ug/L	100
62) 1,3-Dichlorobenzene	11.19	146	371237	42.472	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	378208	42.730	ug/L	98
65) 1,2-Dichlorobenzene	11.65	146	381148	44.130	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	77328	42.891	ug/L	93
67) 1,3,5-Trichlorobenzene	12.65	180	265250	42.952	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	247538	42.870	ug/L	99
69) Naphthalene	13.51	128	889605	44.370	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	248021	43.954	ug/L	99

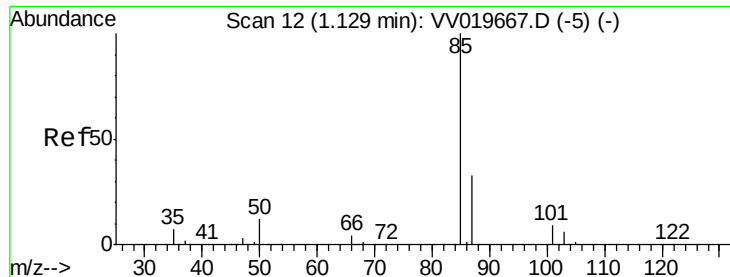
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 41.920 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

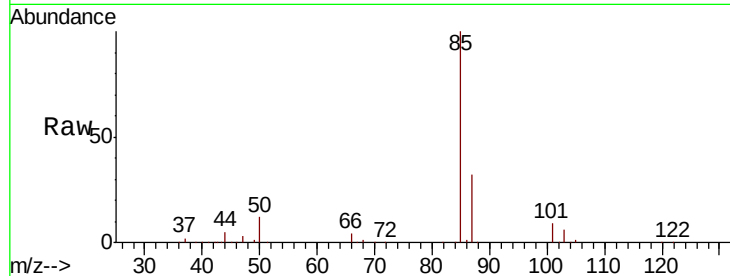
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 203255

Ion Ratio Lower Upper

85 100

87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV019667.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV019667.D (-5) (-)

1.13

200000

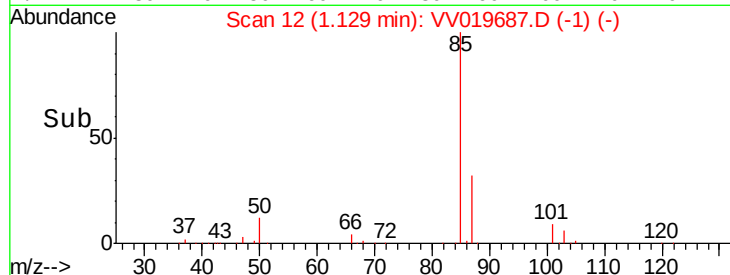
150000

100000

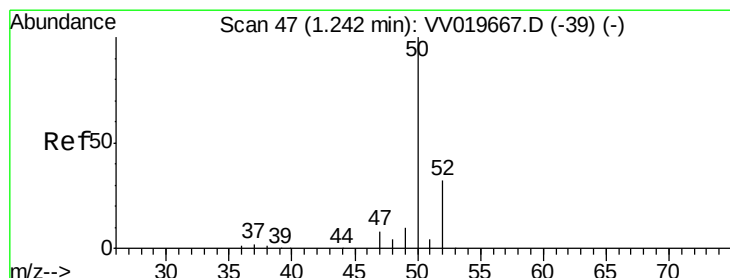
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 45.855 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV019687.D

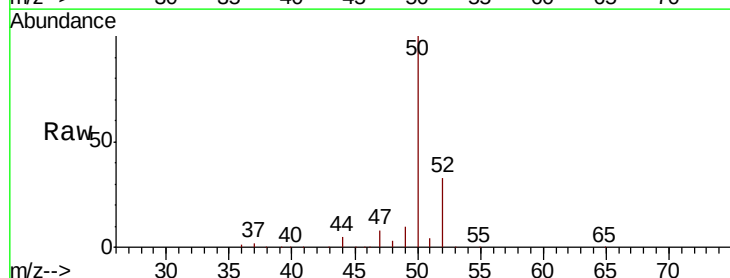
Acq: 16 Dec 2020 20:11

Tgt Ion: 50 Resp: 236327

Ion Ratio Lower Upper

50 100

52 32.9 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV019667.D (-39) (-)

Ion 52.00 (51.70 to 52.70): VV019667.D (-39) (-)

1.24

250000

200000

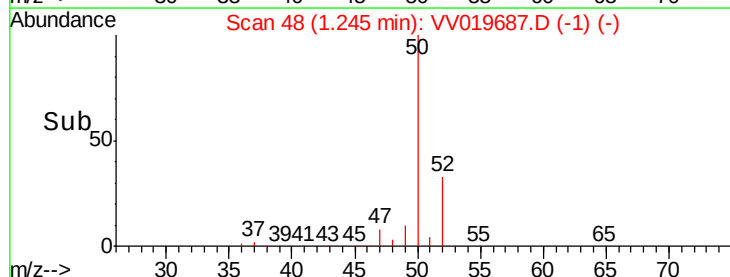
150000

100000

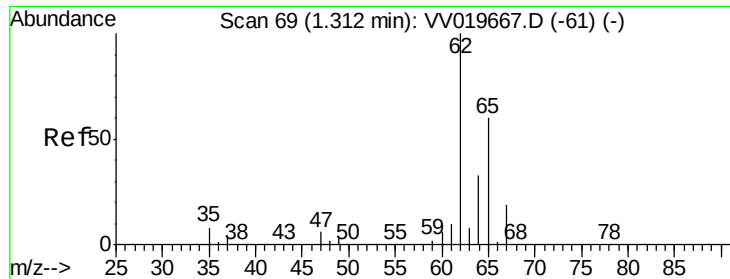
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 45.129 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

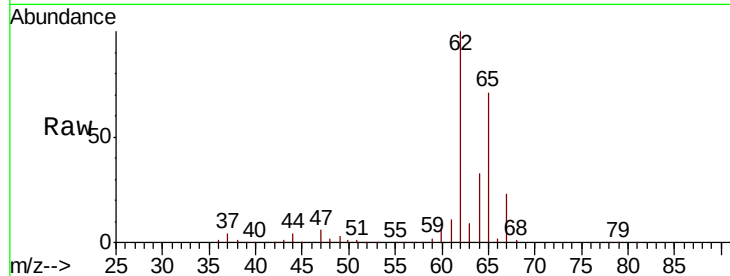
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 233296

Ion Ratio Lower Upper

62 100

64 32.5 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

250000

200000

150000

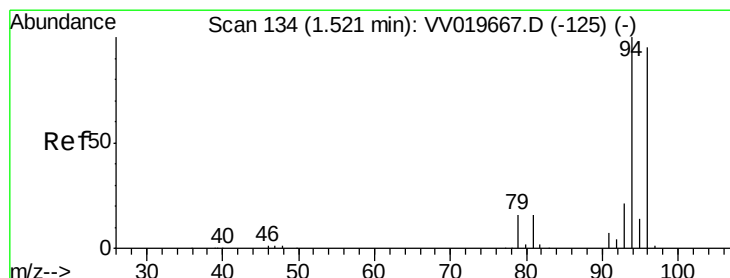
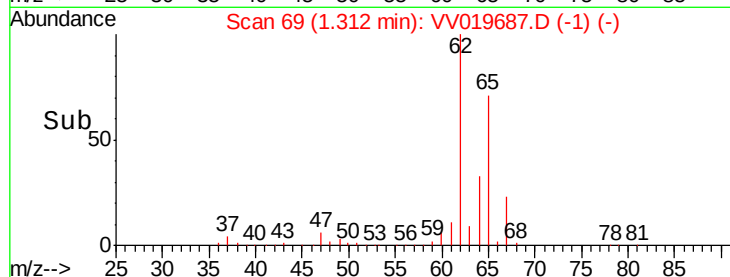
100000

50000

0

1.25 1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 45.312 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019687.D

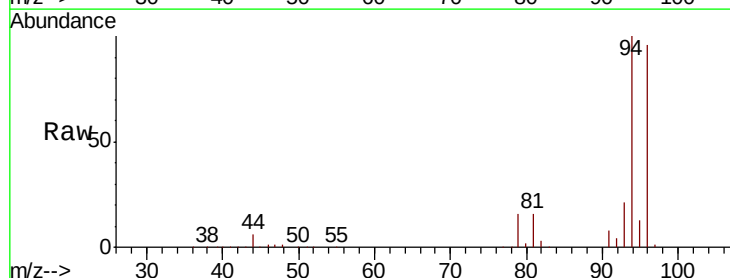
Acq: 16 Dec 2020 20:11

Tgt Ion: 94 Resp: 140672

Ion Ratio Lower Upper

94 100

96 96.2 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

150000

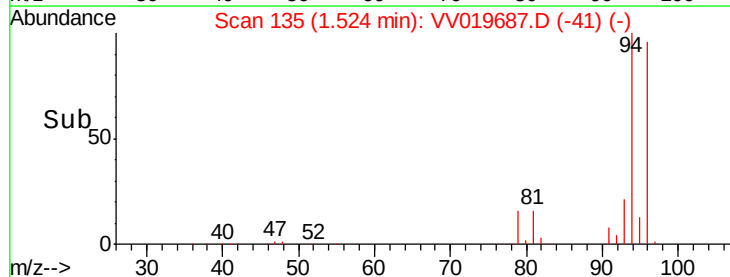
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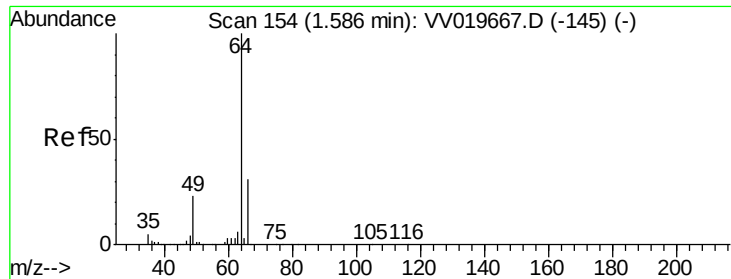
50000

0

1.45 1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 46.549 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

Instrument :

MSVOA_V

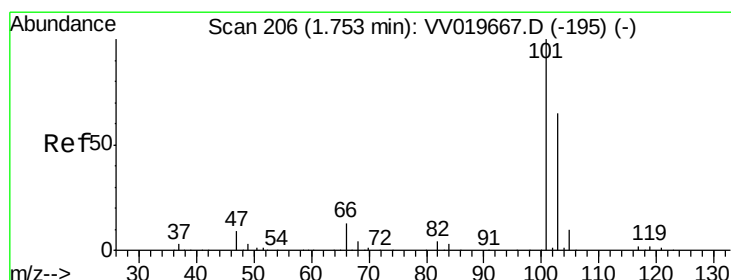
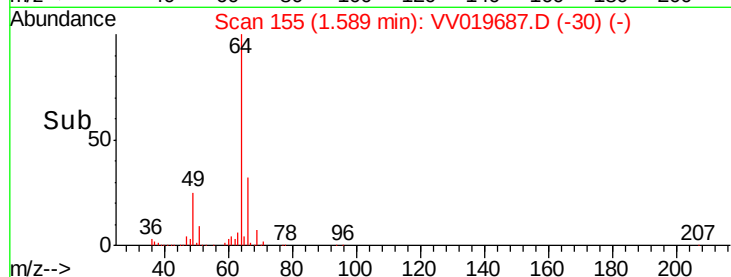
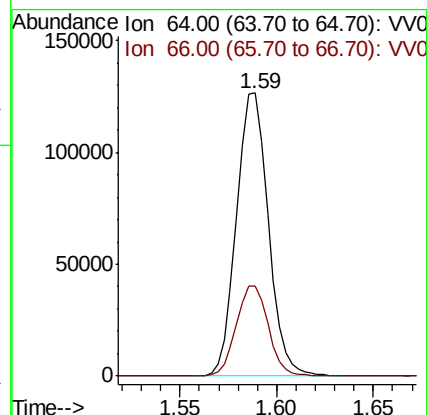
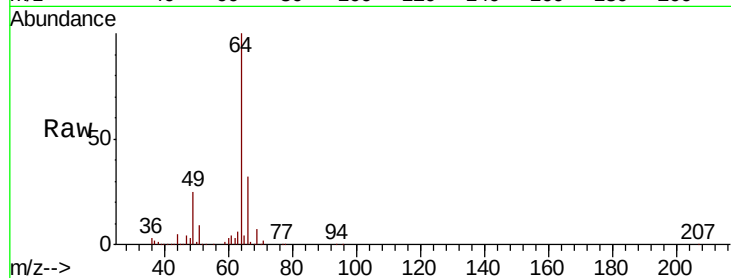
ClientSampleId :

Tot Ion: 64 Resp: 145147

Ion Ratio Lower Upper

64 100

66 32.0 22.5 41.7



#9

Trichlorofluoromethane

Concen: 44.504 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV019687.D

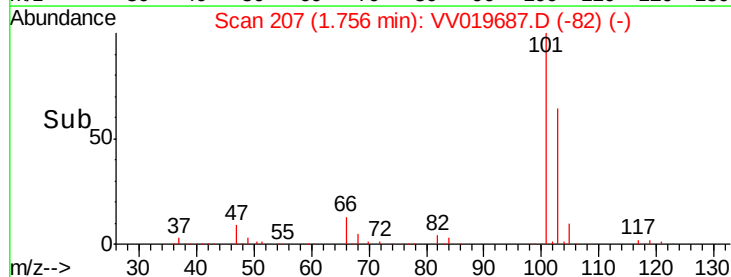
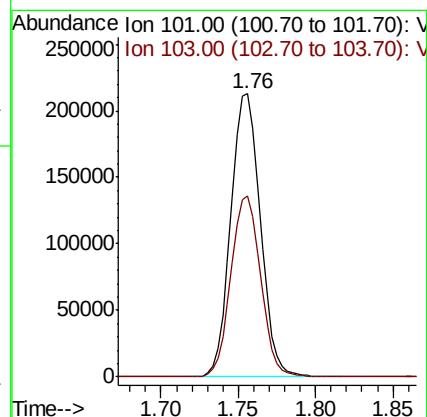
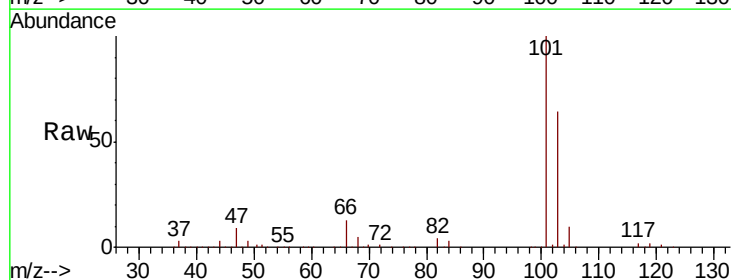
Acq: 16 Dec 2020 20:11

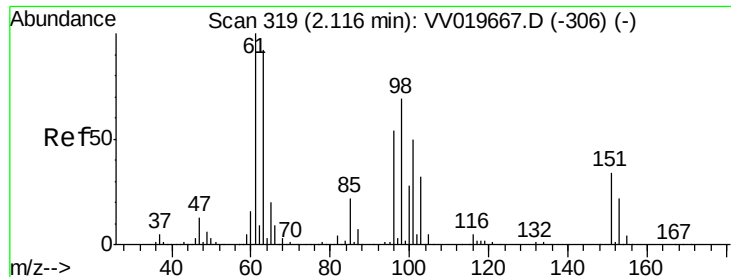
Tgt Ion: 101 Resp: 281088

Ion Ratio Lower Upper

101 100

103 64.3 51.6 77.4





#10

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

Concen: 45.172 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampled :

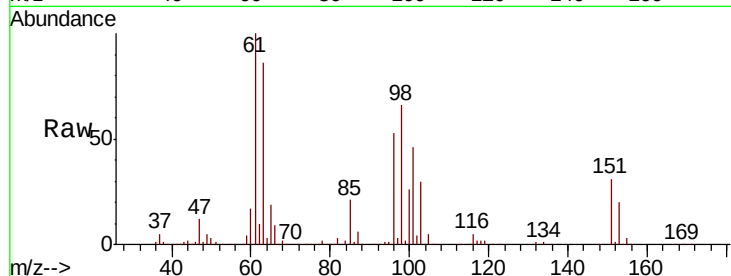
Tot Ion:101 Resp: 157561

Ion Ratio Lower Upper

101 100

85 45.0 35.0 52.4

151 68.8 55.8 83.8

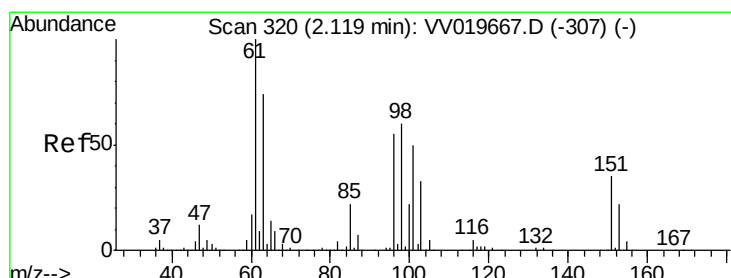
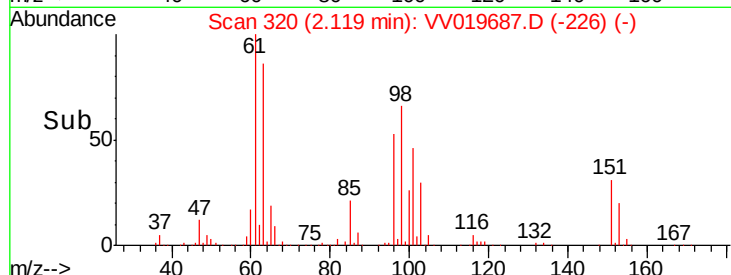
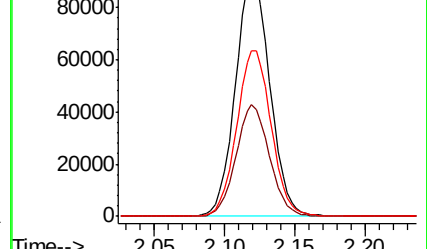


Abundance Ion 101.00 (100.70 to 101.70): VV019687.D (-226) (-)

Ion 85.00 (84.70 to 85.70): VV019687.D (-226) (-)

Ion 151.00 (150.70 to 151.70): VV019687.D (-226) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 44.664 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

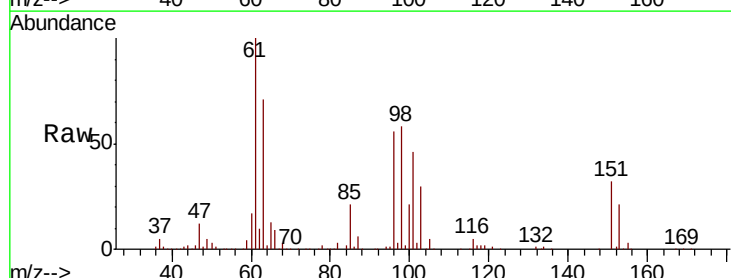
Tgt Ion: 96 Resp: 159867

Ion Ratio Lower Upper

96 100

61 179.4 120.7 224.1

63 126.7 64.3 119.5#

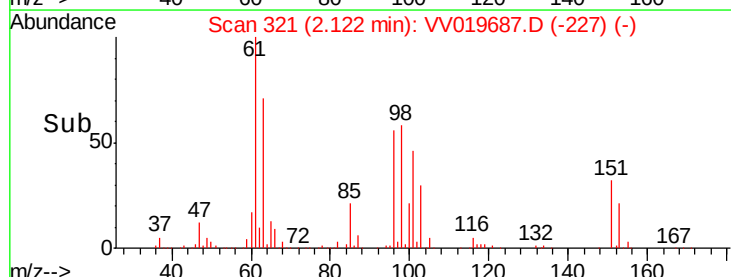
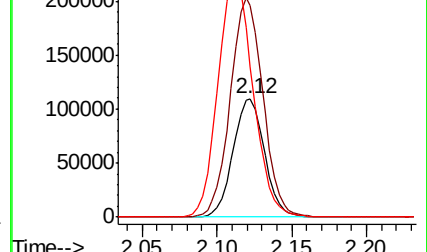


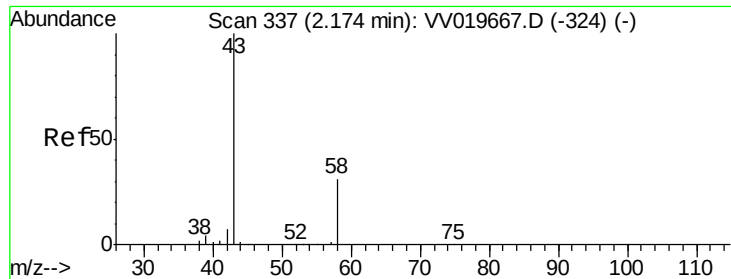
Abundance Ion 96.00 (95.70 to 96.70): VV019687.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019687.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019687.D (-227) (-)

Time-->





#13

Acetone

Concen: 102.401 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.01 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

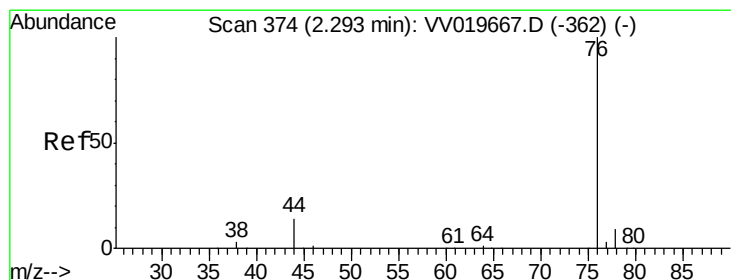
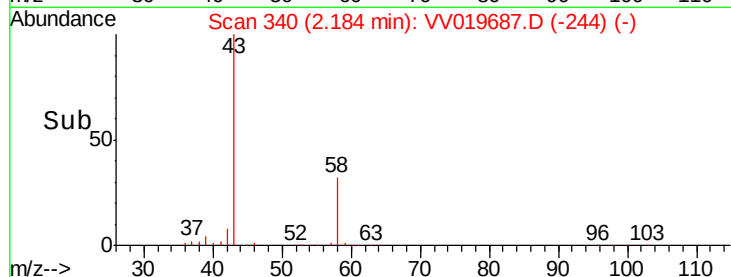
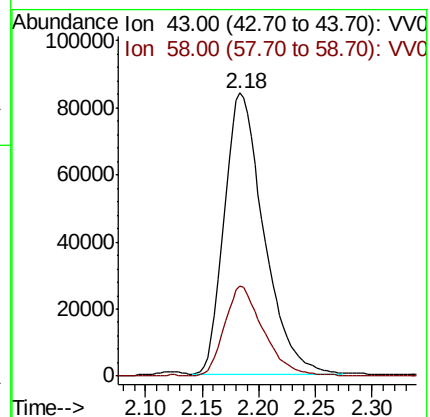
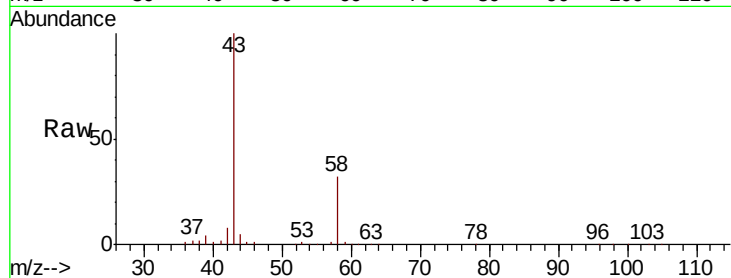
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 204283

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.6



#14

Carbon disulfide

Concen: 40.130 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019687.D

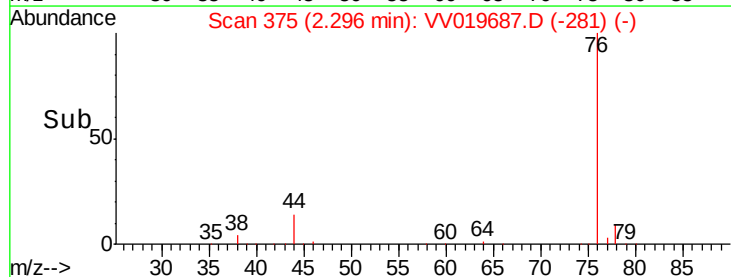
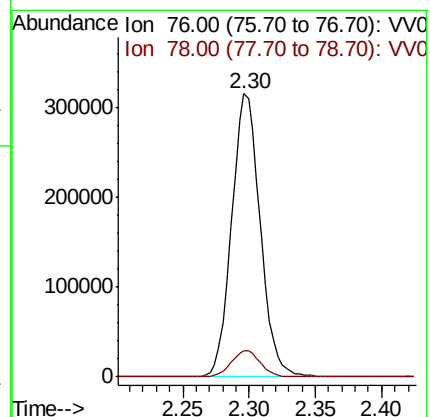
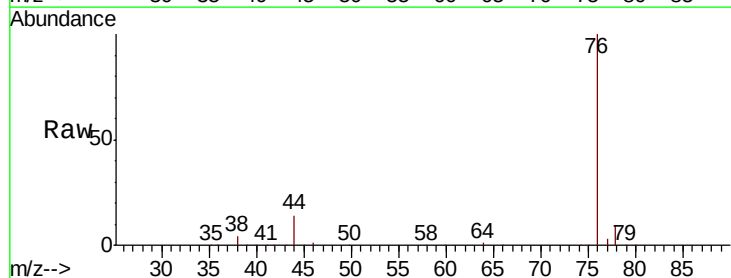
Acq: 16 Dec 2020 20:11

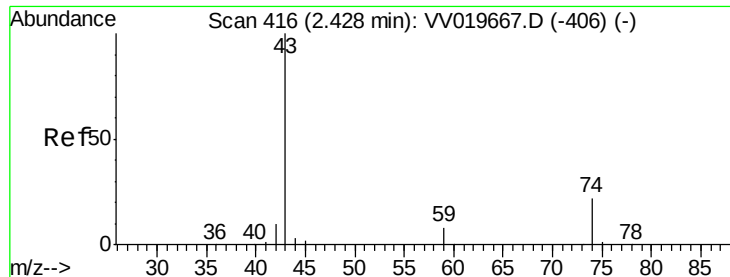
Tgt Ion: 76 Resp: 471967

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8

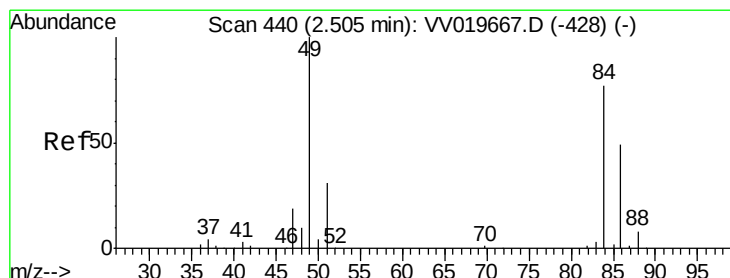
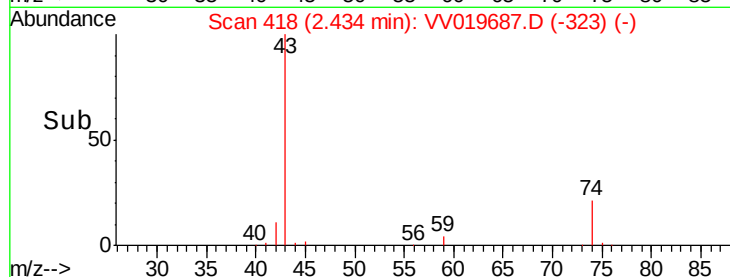
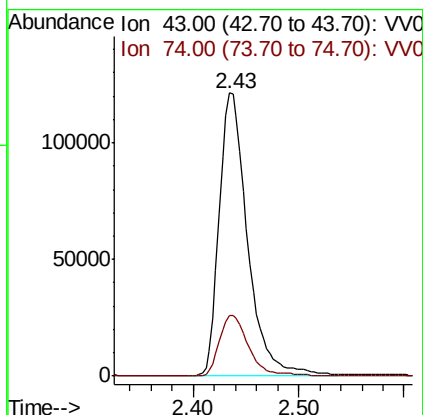
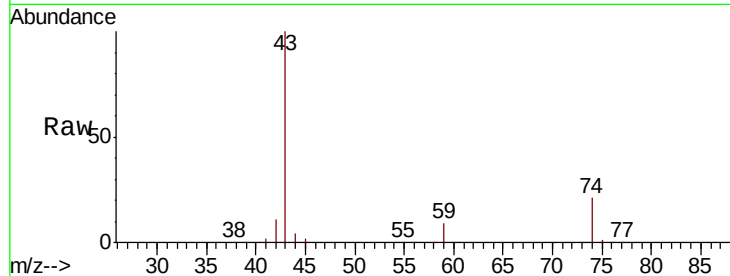




#15
Methvl Acetate
Concen: 51.697 ug/L
RT: 2.43 min Scan# 418
Delta R.T. 0.01 min
Lab File: VV019687.D
Acq: 16 Dec 2020 20:11

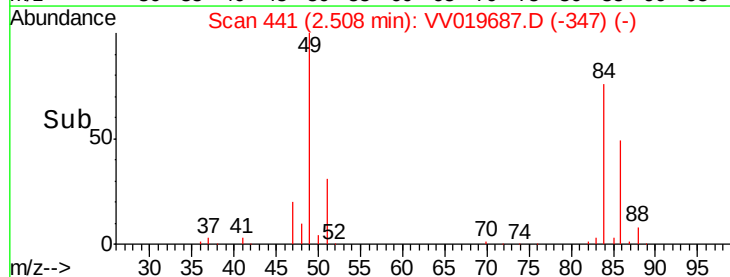
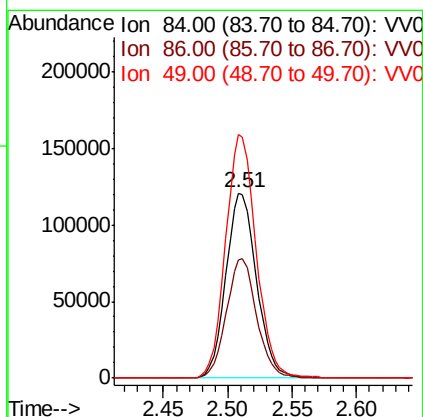
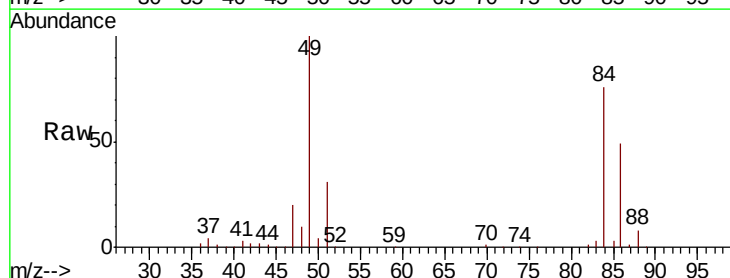
Instrument :
MSVOA_V
ClientSampled :

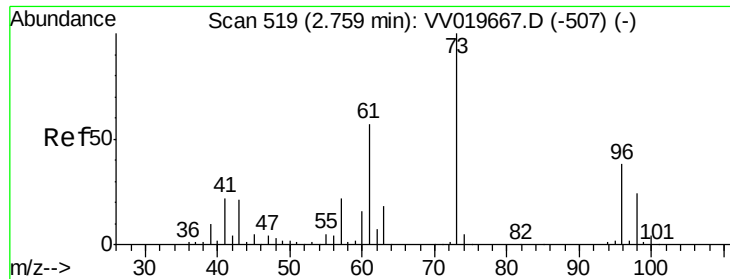
Tot Ion: 43 Resp: 224695
Ion Ratio Lower Upper
43 100
74 22.4 18.2 27.4



#16
Methylene chloride
Concen: 47.522 ug/L
RT: 2.51 min Scan# 441
Delta R.T. 0.00 min
Lab File: VV019687.D
Acq: 16 Dec 2020 20:11

Tgt Ion: 84 Resp: 199432
Ion Ratio Lower Upper
84 100
86 64.0 45.7 84.9
49 131.5 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 45.306 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

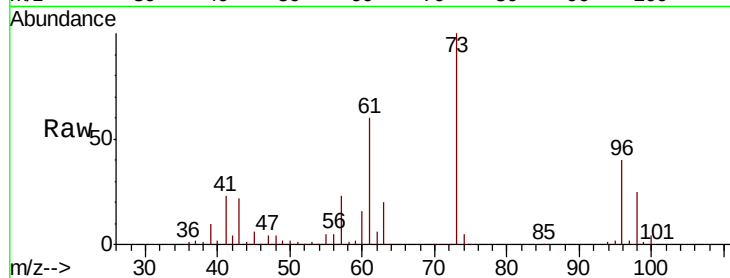
Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 177745

Ion	Ratio	Lower	Upper
96	100		
61	152.0	103.5	192.1
98	62.7	44.4	82.5



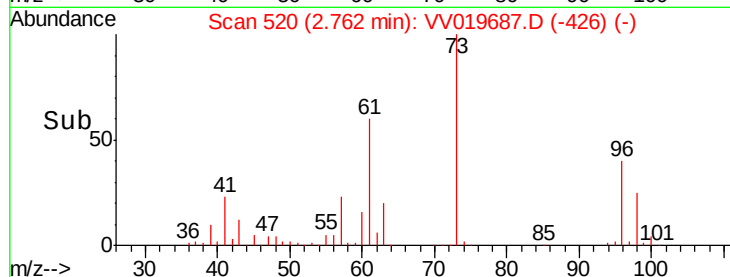
Abundance

Ion 96.00 (95.70 to 96.70): VV0

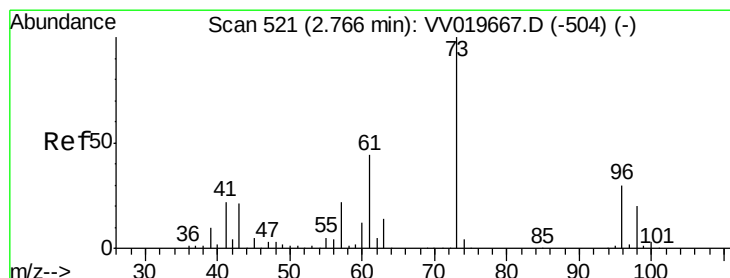
Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

Time-->



Time-->



#18

Methyl tert-butyl Ether

Concen: 46.133 ug/L

RT: 2.77 min Scan# 523

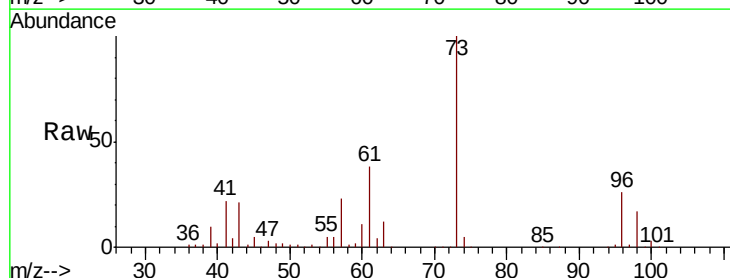
Delta R.T. 0.01 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

Tgt Ion: 73 Resp: 632421

Ion	Ratio	Lower	Upper
73	100		
43	21.4	17.3	25.9
57	22.6	17.5	26.3



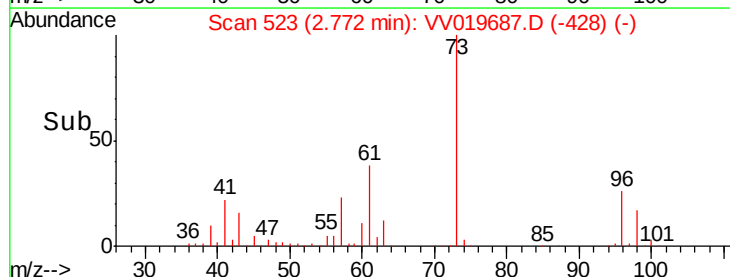
Abundance

Ion 73.00 (72.70 to 73.70): VV0

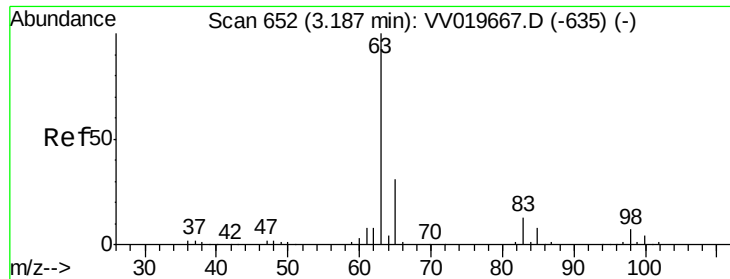
Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Time-->



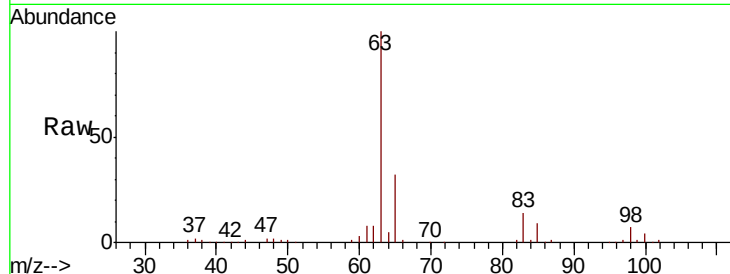
Time-->



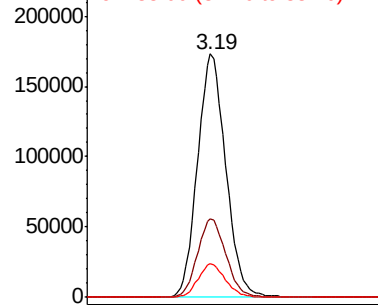
#19
 1,1-Dichloroethane
 Concen: 47.298 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. 0.01 min
 Lab File: VV019687.D
 Acq: 16 Dec 2020 20:11

Instrument :
 MSVOA_V
 ClientSampleId :

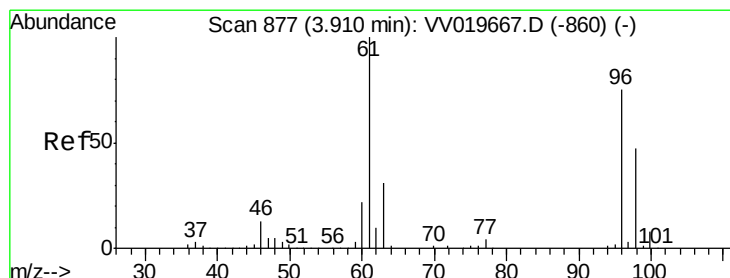
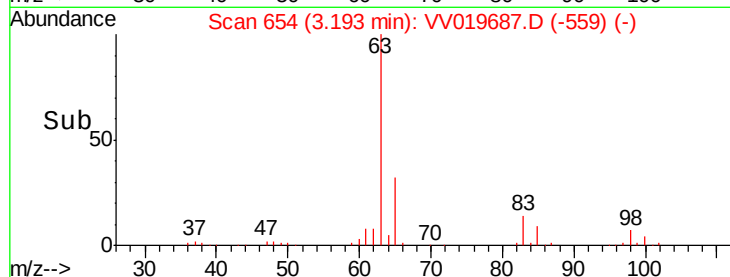
Tot Ion: 63 Resp: 359743
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.4 41.6
 83 13.7 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

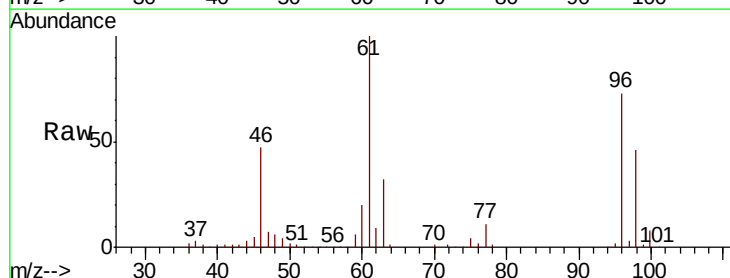


Time-->

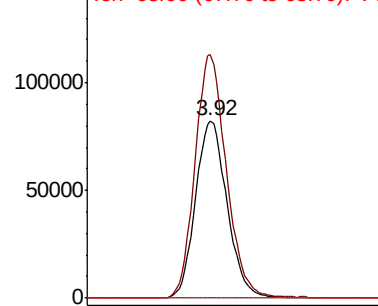


#20
 cis-1,2-Dichloroethene
 Concen: 46.796 ug/L
 RT: 3.92 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VV019687.D
 Acq: 16 Dec 2020 20:11

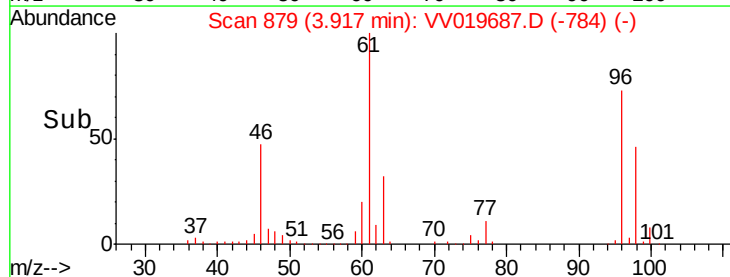
Tgt Ion: 96 Resp: 201817
 Ion Ratio Lower Upper
 96 100
 61 137.5 94.1 174.8
 68 0.0 0.1 0.1#

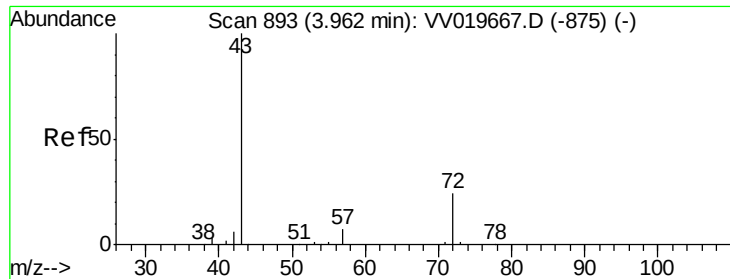


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0



Time-->





#22

2-Butanone

Concen: 109.051 ug/L

RT: 3.97 min Scan# 897

Delta R.T. 0.01 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

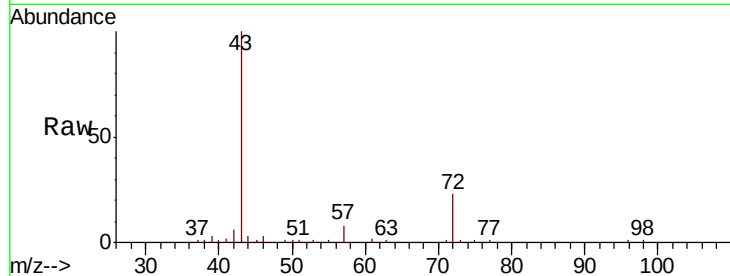
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 319115

Ion Ratio Lower Upper

43 100

72 23.2 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019667.D (-875) (-)

Ion 72.00 (71.70 to 72.70): VV019667.D (-875) (-)

3.97

120000

100000

80000

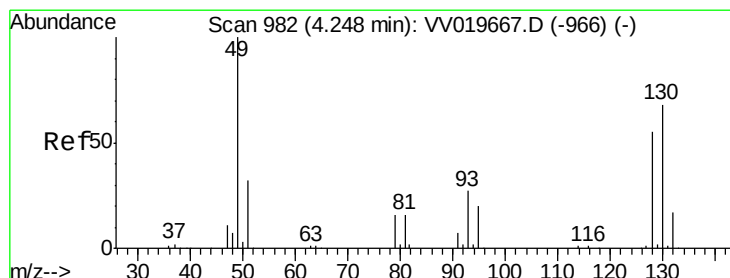
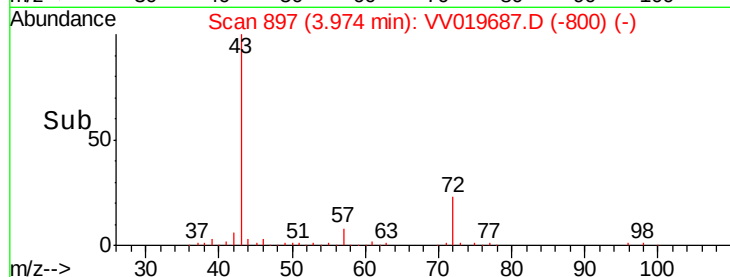
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 46.743 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

Tgt Ion:128 Resp: 99187

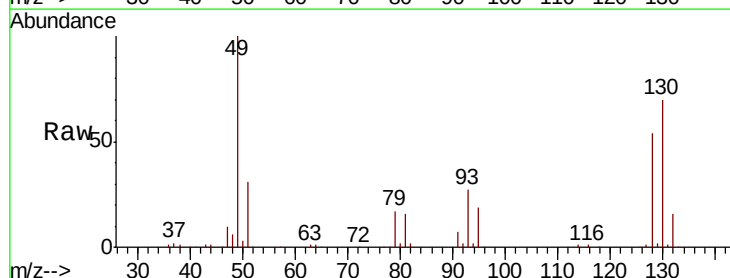
Ion Ratio Lower Upper

128 100

49 185.7 127.0 235.8

130 130.7 90.3 167.7

51 57.1 44.5 66.7



Abundance Ion 128.00 (127.70 to 128.70): VV019667.D (-966) (-)

Ion 49.00 (48.70 to 49.70): VV019667.D (-966) (-)

Ion 130.00 (129.70 to 130.70): VV019667.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VV019667.D (-966) (-)

120000

100000

80000

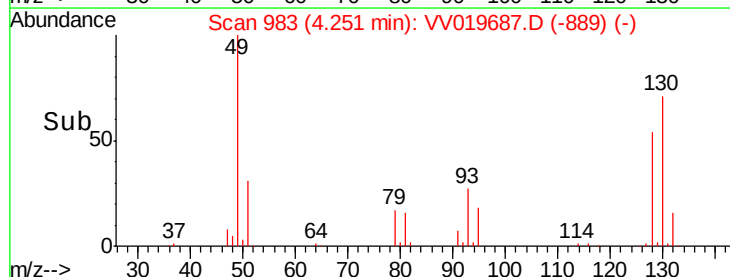
60000

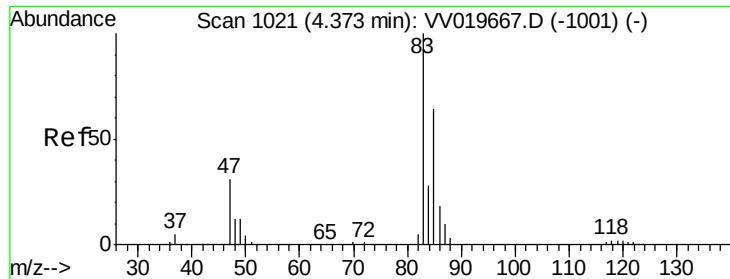
40000

20000

0

Time-->

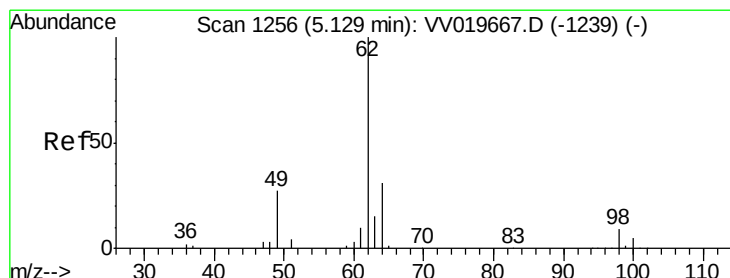
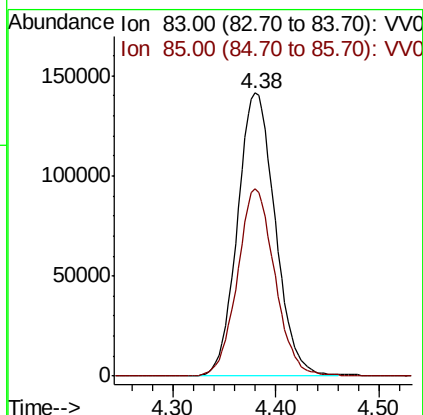
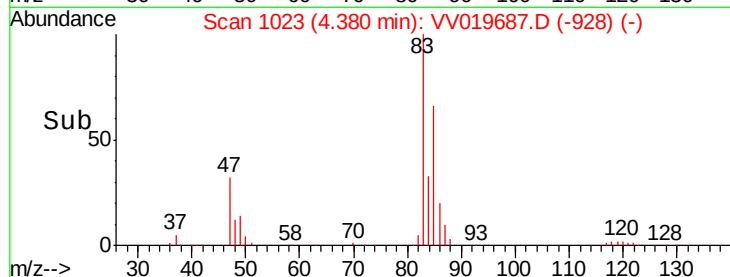
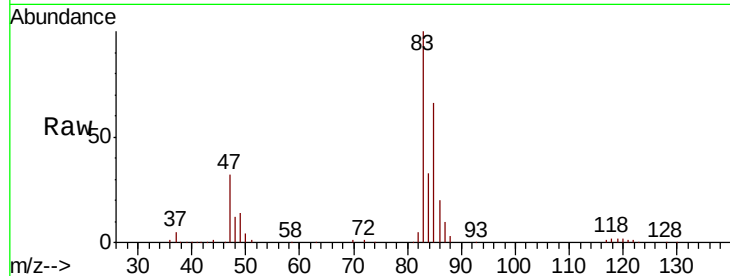




#25
Chloroform
Concen: 47.332 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VV019687.D
Acq: 16 Dec 2020 20:11

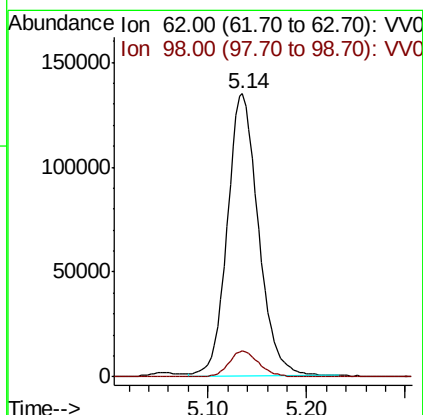
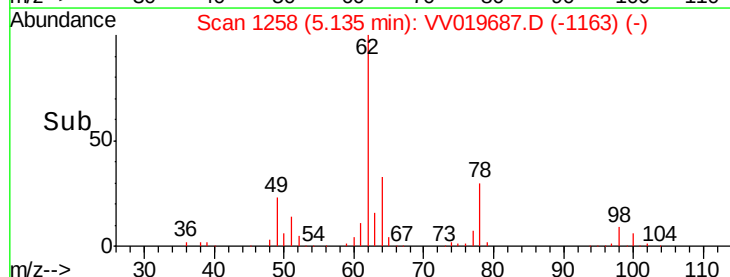
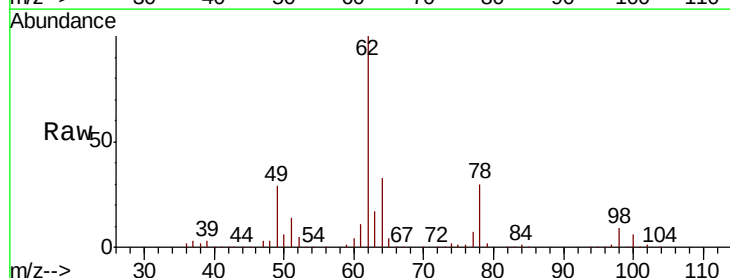
Instrument :
MSVOA_V
ClientSampleId :

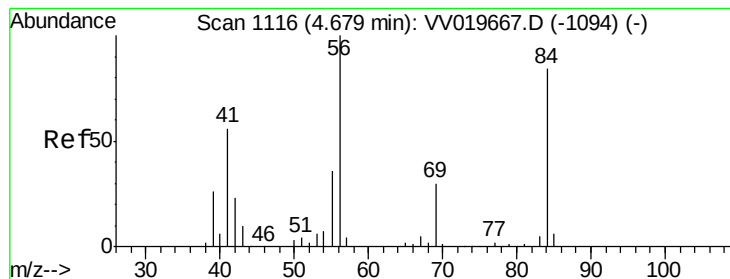
Tot Ion: 83 Resp: 359547
Ion Ratio Lower Upper
83 100
85 66.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 47.128 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VV019687.D
Acq: 16 Dec 2020 20:11

Tgt Ion: 62 Resp: 296583
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.0





#29

Cyclohexane

Concen: 43.541 ug/L

RT: 4.68 min Scan# 1117

Delta R.T. 0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

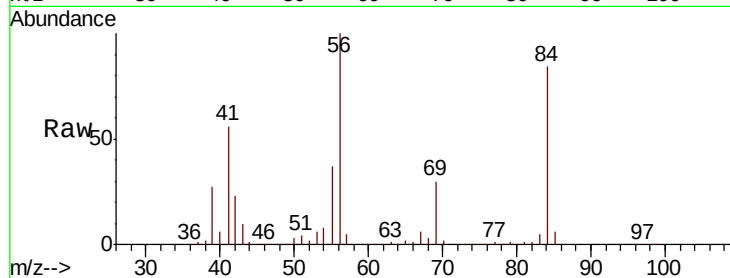
Tot Ion: 56 Resp: 299970

Ion Ratio Lower Upper

56 100

69 30.3 24.6 37.0

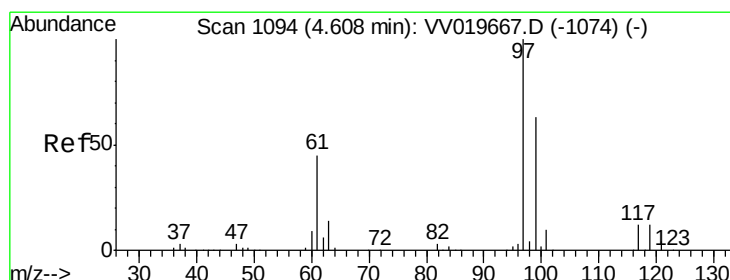
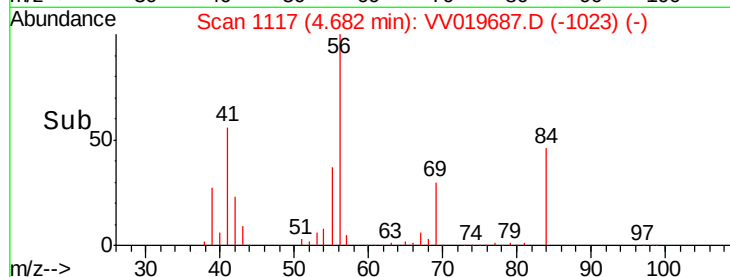
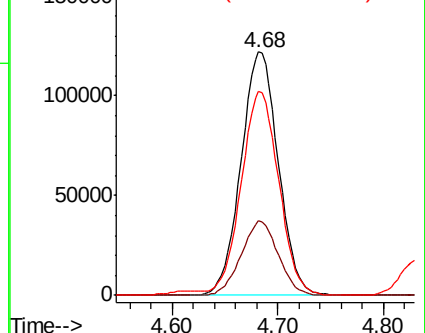
84 84.5 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VV019667.D (-1094) (-)

Ion 69.00 (68.70 to 69.70): VV019667.D (-1094) (-)

Ion 84.00 (83.70 to 84.70): VV019667.D (-1094) (-)



#30

1,1,1-Trichloroethane

Concen: 43.298 ug/L

RT: 4.61 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

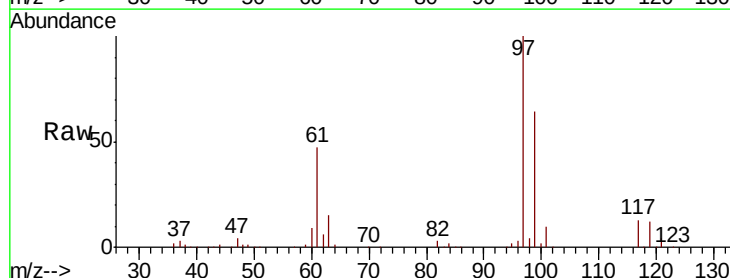
Tgt Ion: 97 Resp: 305173

Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

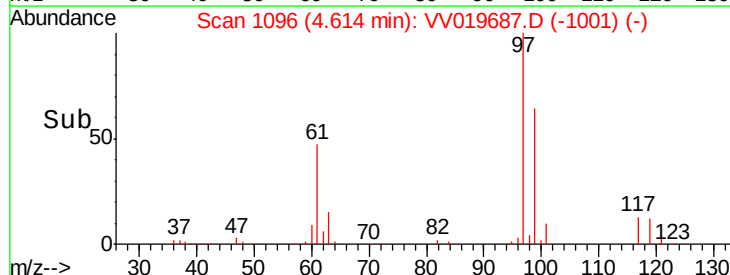
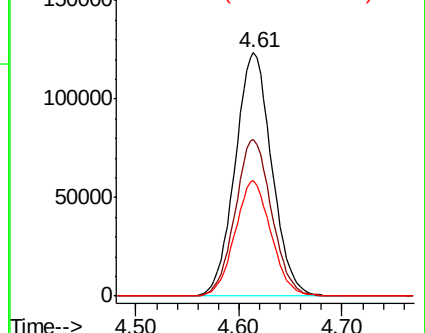
61 46.9 36.3 54.5

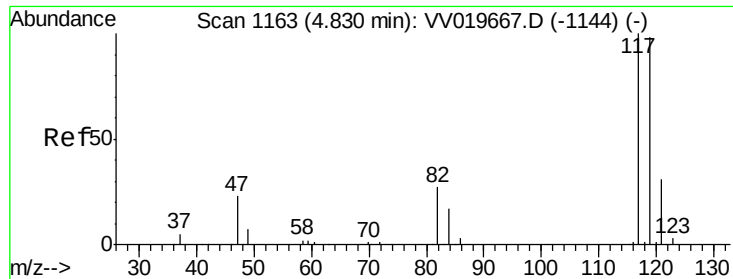


Abundance Ion 97.00 (96.70 to 97.70): VV019667.D (-1074) (-)

Ion 99.00 (98.70 to 99.70): VV019667.D (-1074) (-)

Ion 61.05 (60.75 to 61.75): VV019667.D (-1074) (-)





#31

Carbon tetrachloride

Concen: 41.837 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

Instrument :

MSVOA_V

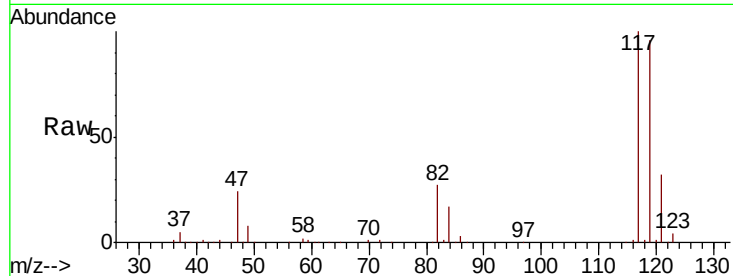
ClientSampled :

Tot Ion:117 Resp: 248929

Ion Ratio Lower Upper

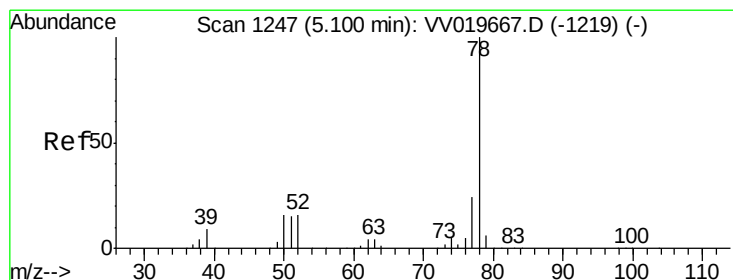
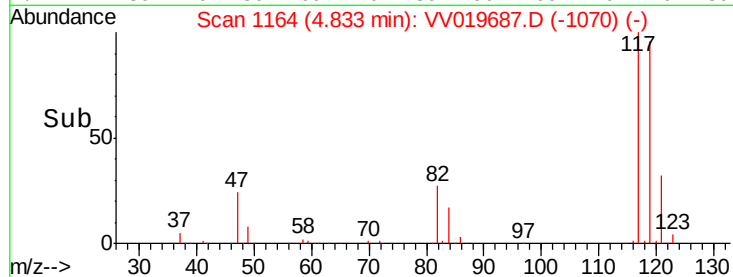
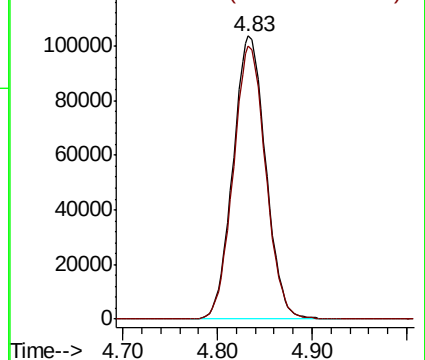
117 100

119 95.5 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 46.956 ug/L

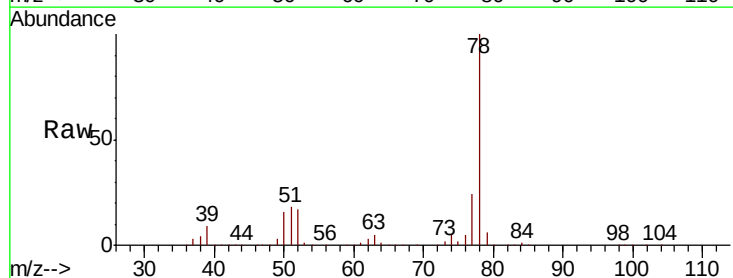
RT: 5.10 min Scan# 1248

Delta R.T. 0.00 min

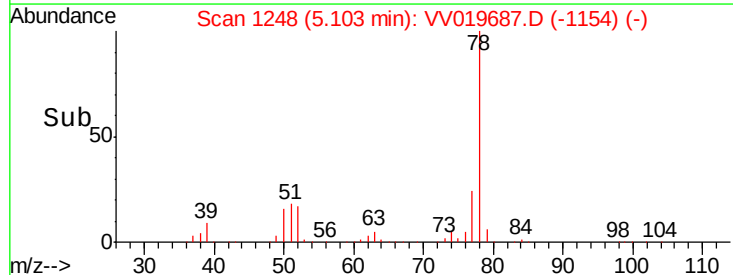
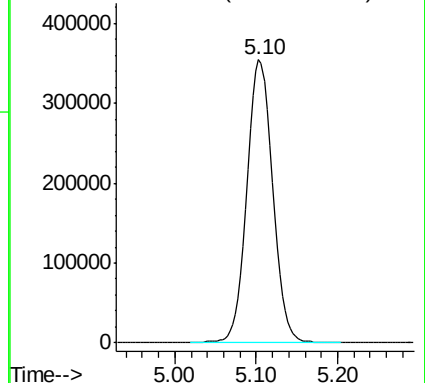
Lab File: VV019687.D

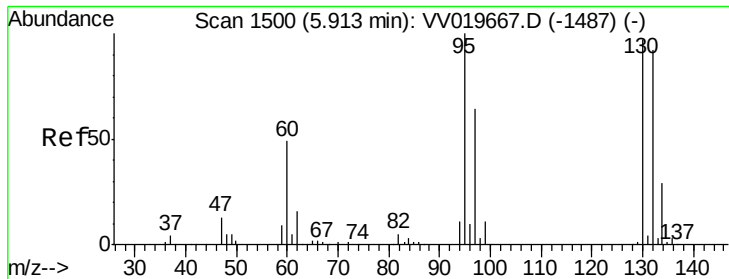
Acq: 16 Dec 2020 20:11

Tgt Ion: 78 Resp: 771396



Abundance Ion 78.00 (77.70 to 78.70): VV0

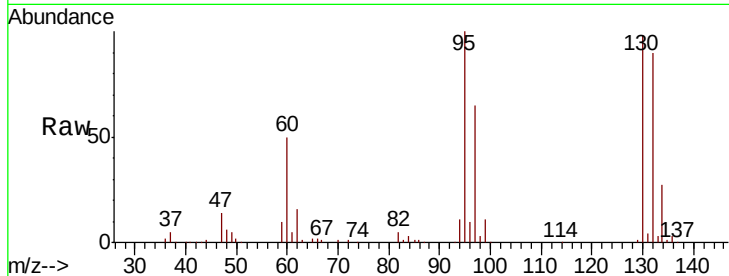




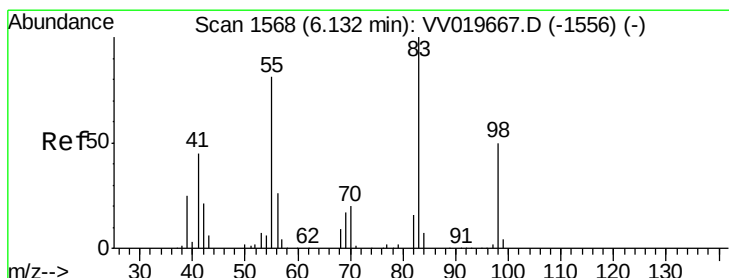
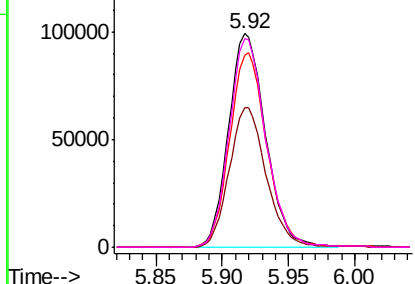
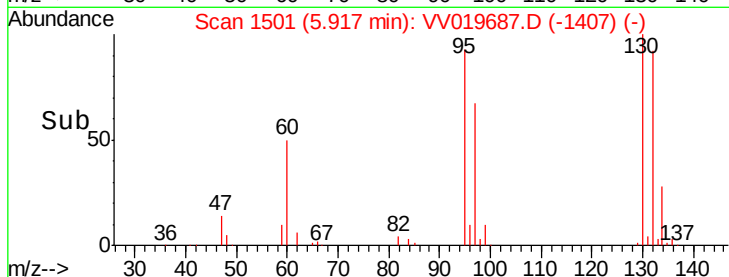
#34
 Trichloroethene
 Concen: 44.399 ug/L
 RT: 5.92 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VV019687.D
 Acq: 16 Dec 2020 20:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 192678
 Ion Ratio Lower Upper
 95 100
 97 65.2 44.4 82.4
 132 90.0 64.3 119.3
 130 97.8 67.8 125.8

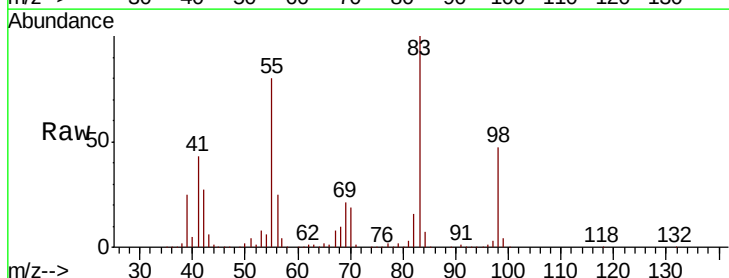


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

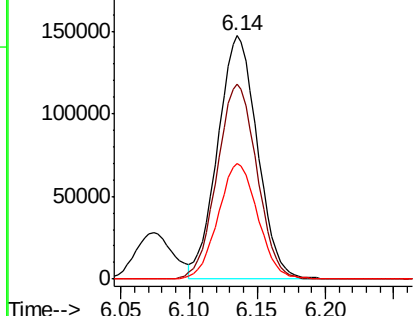
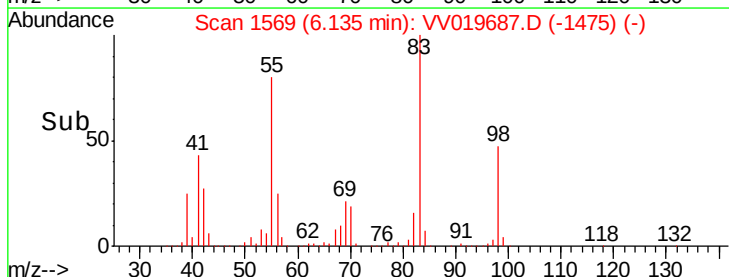


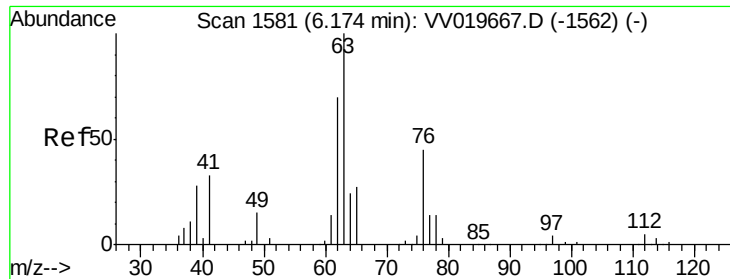
#35
 Methylcyclohexane
 Concen: 45.071 ug/L
 RT: 6.14 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VV019687.D
 Acq: 16 Dec 2020 20:11

Tgt Ion: 83 Resp: 297147
 Ion Ratio Lower Upper
 83 100
 55 80.4 64.2 96.4
 98 47.4 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

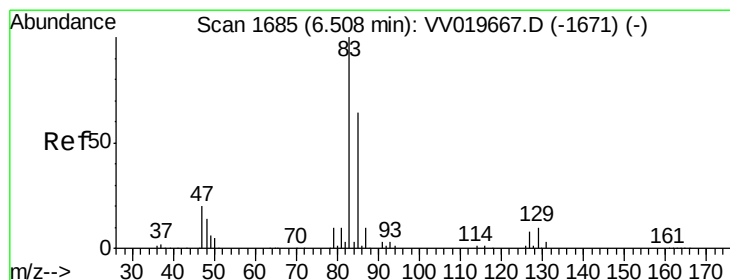
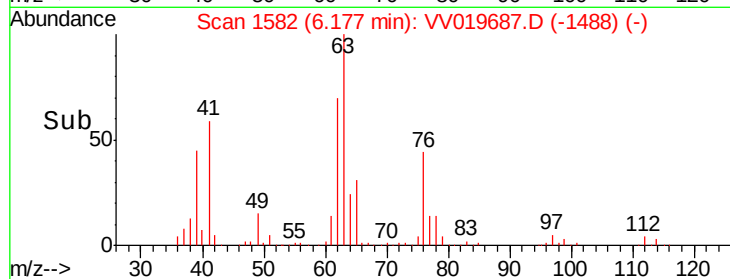
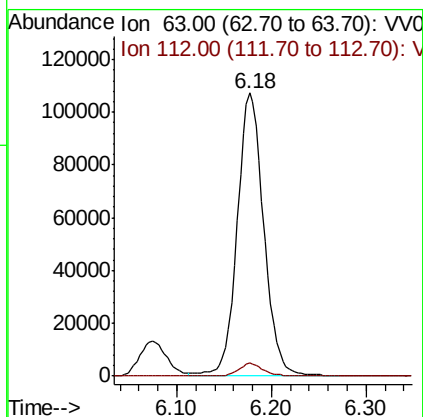
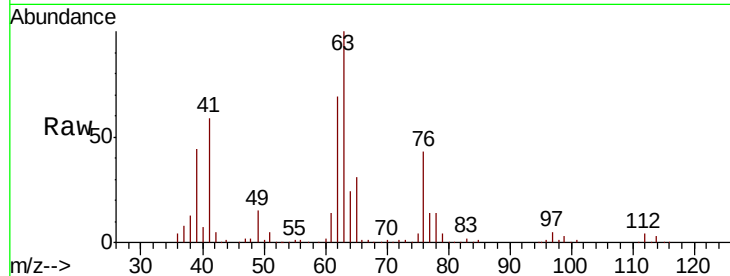




#37
 1,2-Dichloropropane
 Concen: 48.742 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV019687.D
 Acq: 16 Dec 2020 20:11

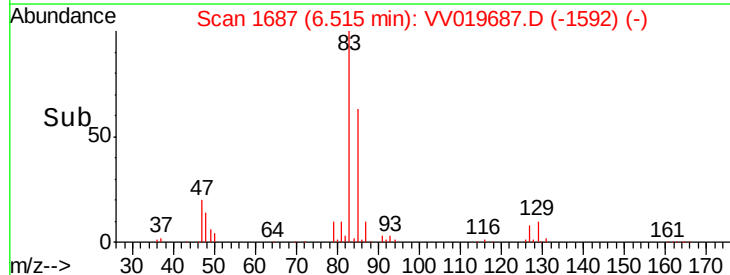
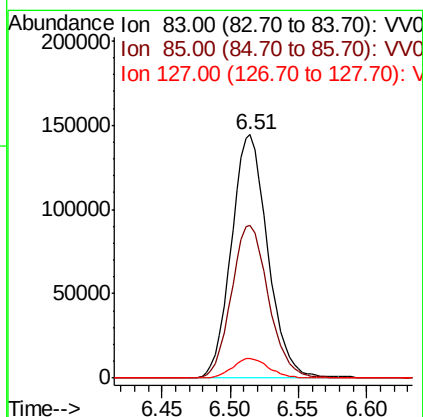
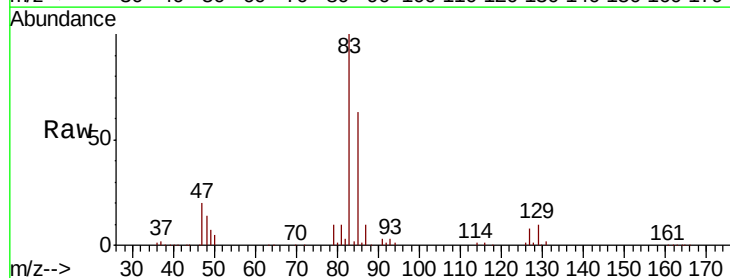
Instrument :
 MSVOA_V
 ClientSampleId :

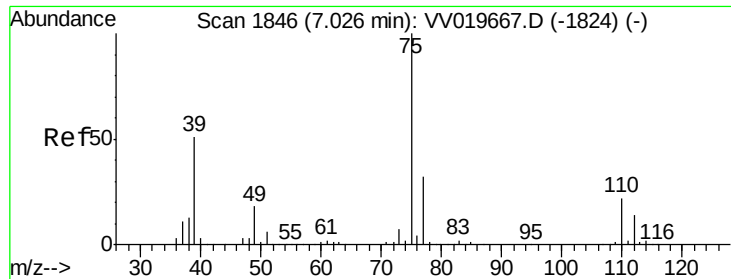
Tot Ion: 63 Resp: 209114
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 44.542 ug/L
 RT: 6.51 min Scan# 1687
 Delta R.T. 0.01 min
 Lab File: VV019687.D
 Acq: 16 Dec 2020 20:11

Tgt Ion: 83 Resp: 267213
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.9 83.5
 127 8.2 6.7 10.1

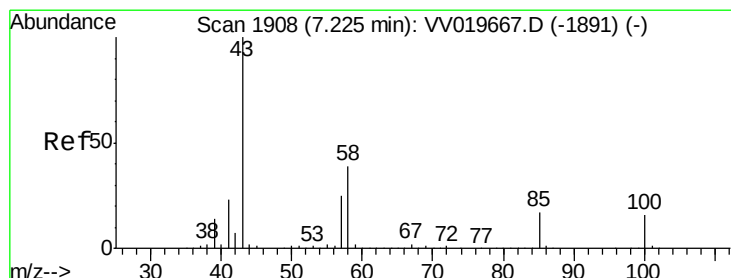
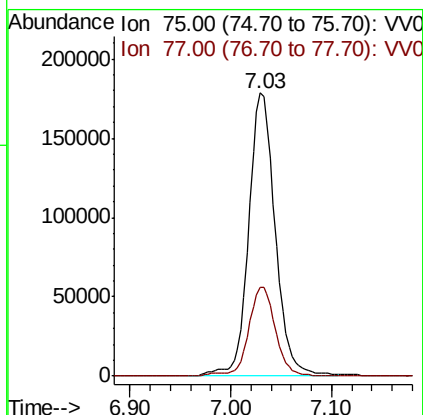
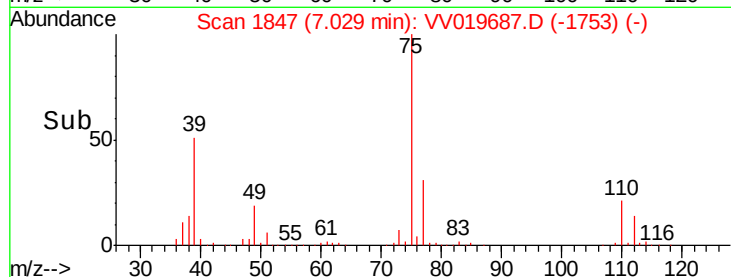
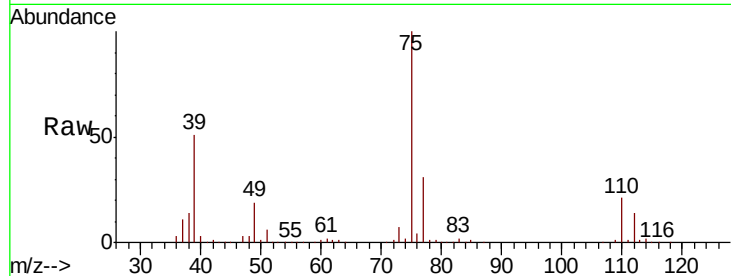




#39
 cis-1,3-Dichloropropene
 Concen: 45.482 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VV019687.D
 Acq: 16 Dec 2020 20:11

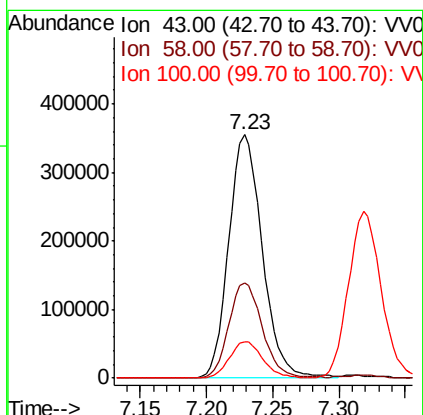
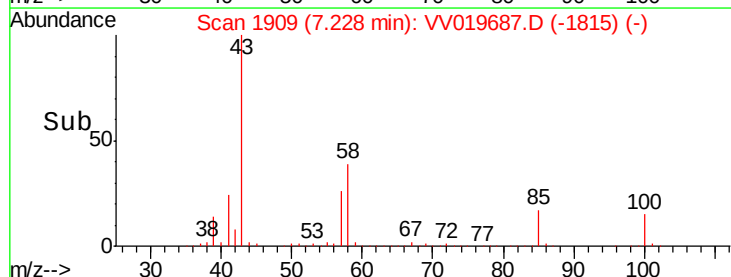
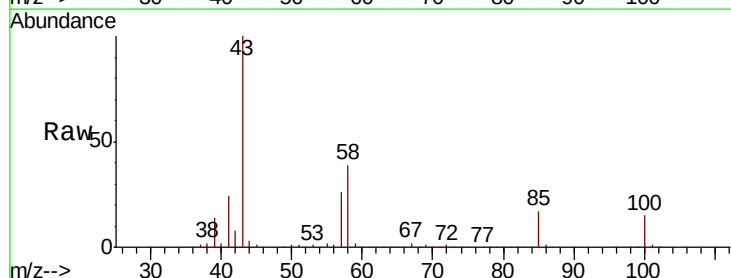
Instrument :
 MSVOA_V
 ClientSampleId :

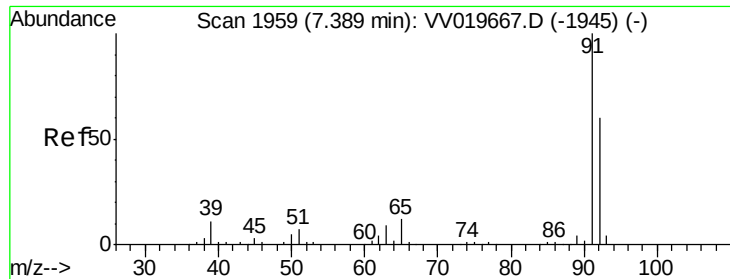
Tot Ion: 75 Resp: 324078
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 101.038 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VV019687.D
 Acq: 16 Dec 2020 20:11

Tgt Ion: 43 Resp: 625382
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.7 47.5
 100 14.9 12.5 18.7





#42

Toluene

Concen: 45.279 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

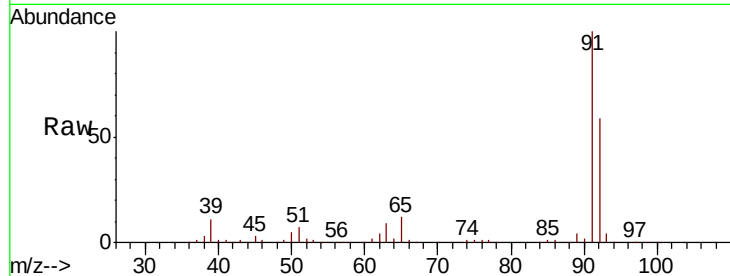
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 783980

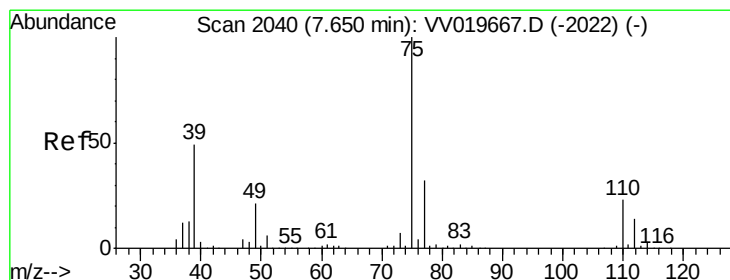
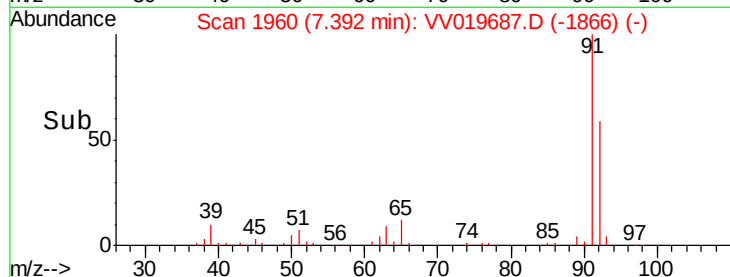
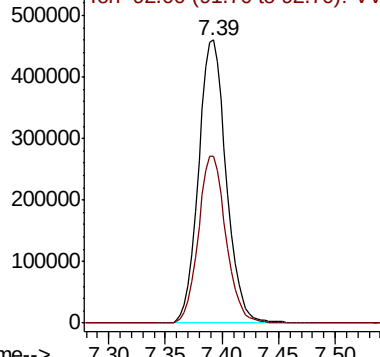
Ion Ratio Lower Upper

91 100

92 58.9 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 43.515 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019687.D

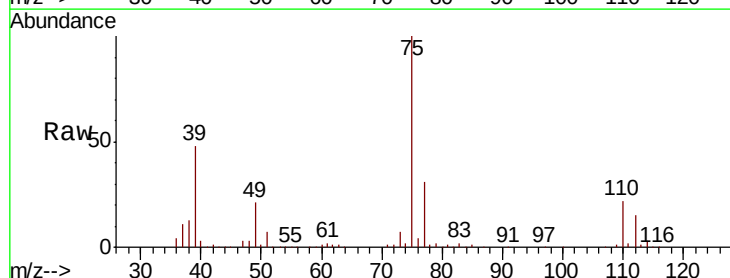
Acq: 16 Dec 2020 20:11

Tgt Ion: 75 Resp: 313954

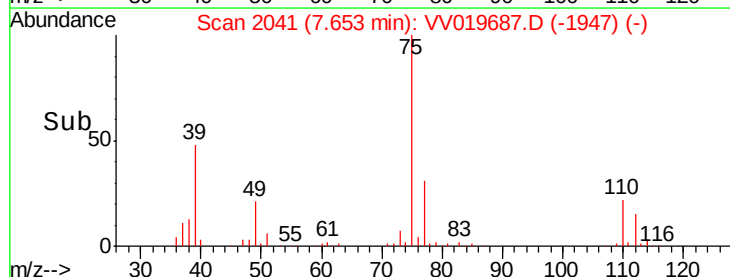
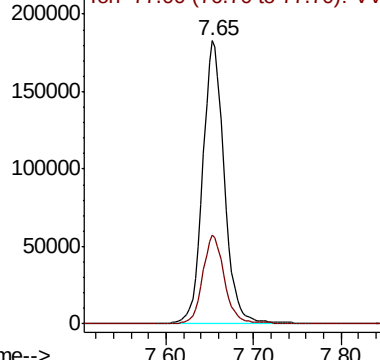
Ion Ratio Lower Upper

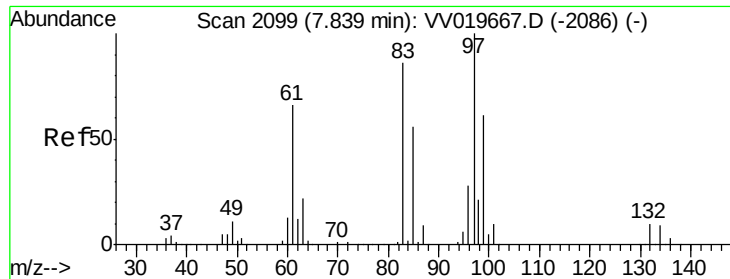
75 100

77 31.3 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

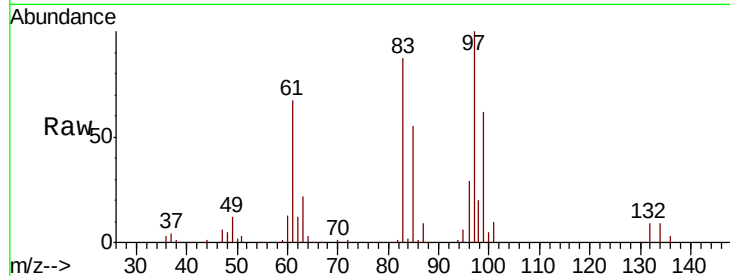




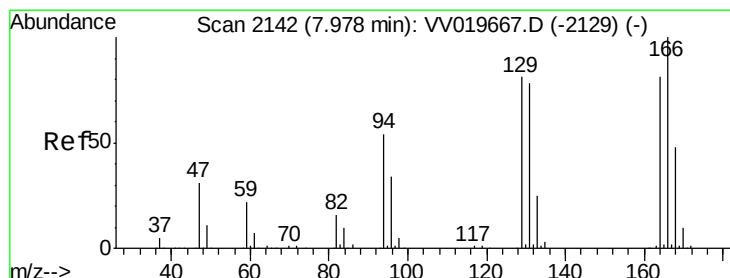
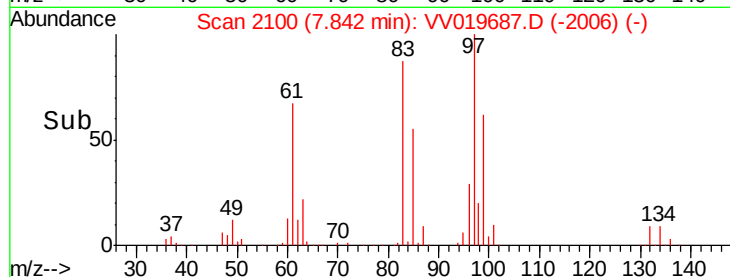
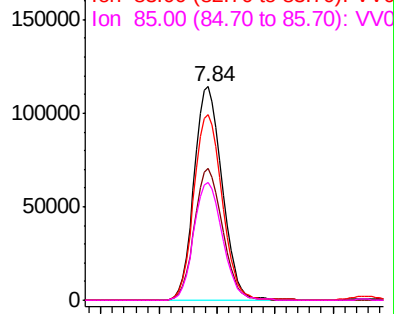
#45
1,1,2-Trichloroethane
Concen: 47.035 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. 0.00 min
Lab File: VV019687.D
Acq: 16 Dec 2020 20:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	191623
Ion	Ratio	Lower	Upper
97	100		
99	61.6	44.1	81.9
83	87.1	60.0	111.4
85	55.3	38.6	71.8

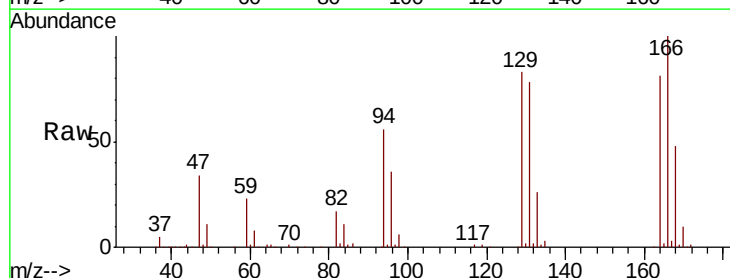


Abundance Ion 97.00 (96.70 to 97.70): VV019667.D (-2086) (-)

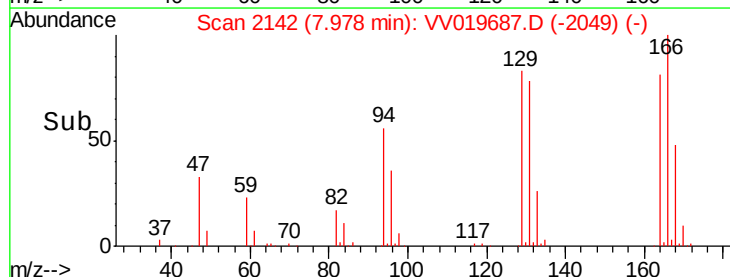
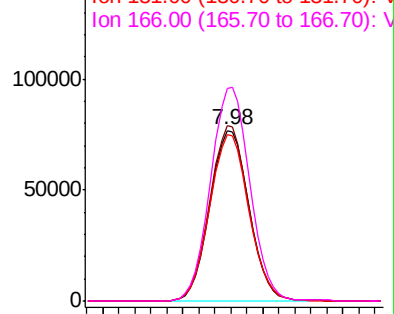


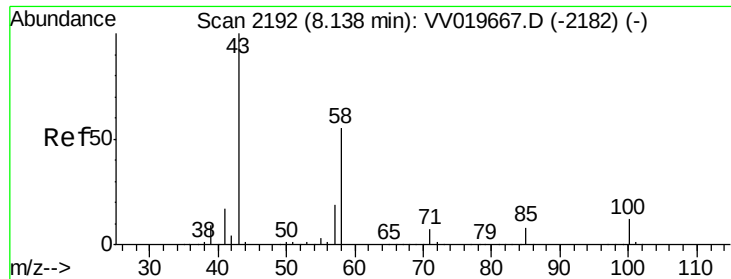
#46
Tetrachloroethene
Concen: 42.717 ug/L
RT: 7.98 min Scan# 2142
Delta R.T. -0.00 min
Lab File: VV019687.D
Acq: 16 Dec 2020 20:11

Tgt Ion:	164	Resp:	128275
Ion	Ratio	Lower	Upper
164	100		
129	102.8	70.6	131.0
131	97.2	68.0	126.4
166	124.1	86.9	161.5



Abundance Ion 164.00 (163.70 to 164.70): VV019667.D (-2129) (-)

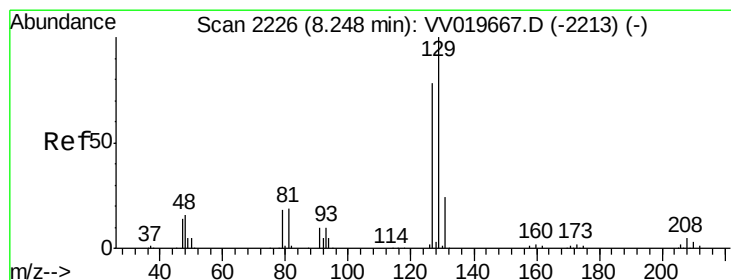
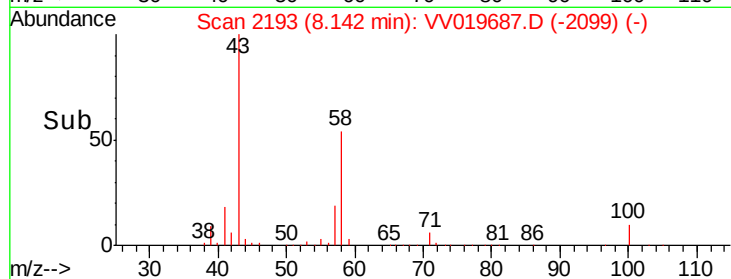
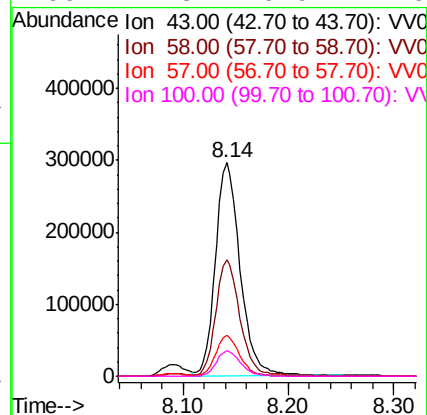
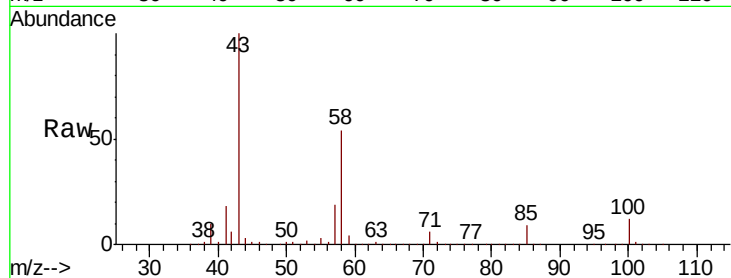




#48
2-Hexanone
Concen: 102.609 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VV019687.D
Acq: 16 Dec 2020 20:11

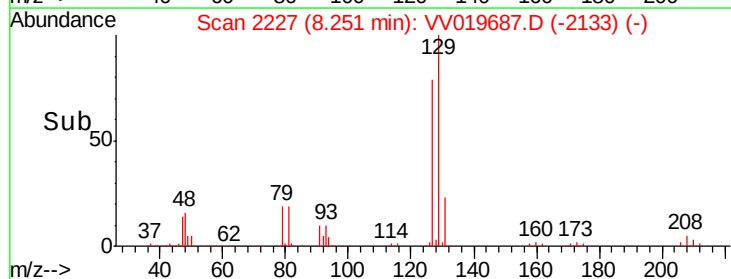
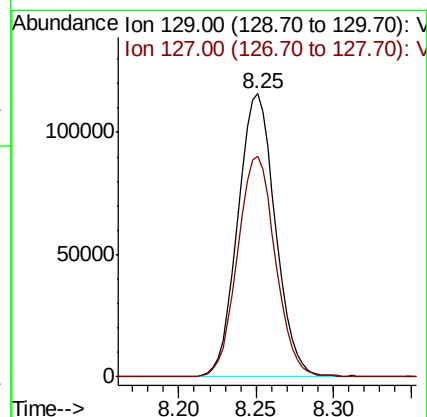
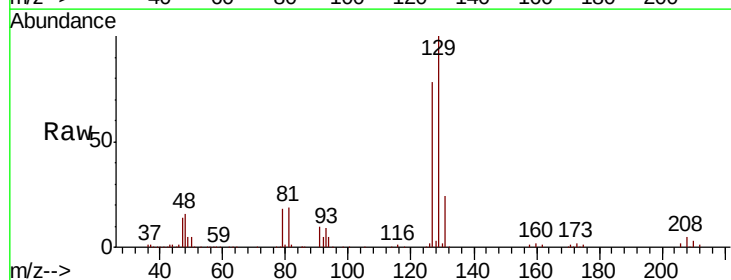
Instrument :
MSVOA_V
ClientSampleId :

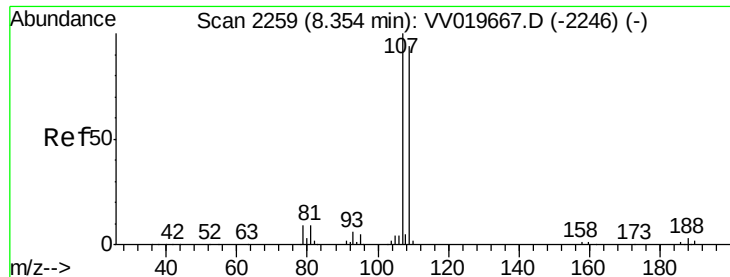
Tot Ion: 43 Resp: 481905
Ion Ratio Lower Upper
43 100
58 53.2 44.4 66.6
57 18.5 15.7 23.5
100 11.8 9.9 14.9



#49
Dibromochloromethane
Concen: 43.812 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019687.D
Acq: 16 Dec 2020 20:11

Tgt Ion: 129 Resp: 195475
Ion Ratio Lower Upper
129 100
127 78.1 54.2 100.6

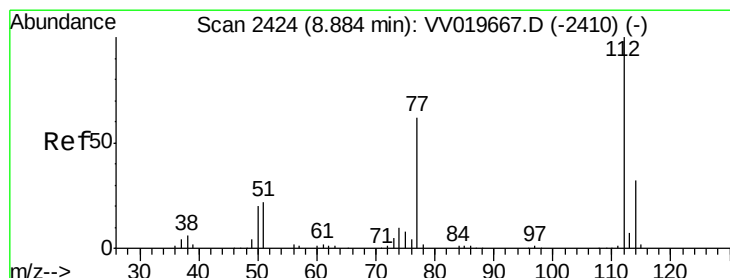
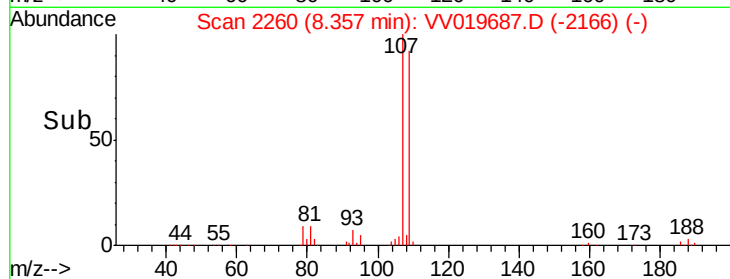
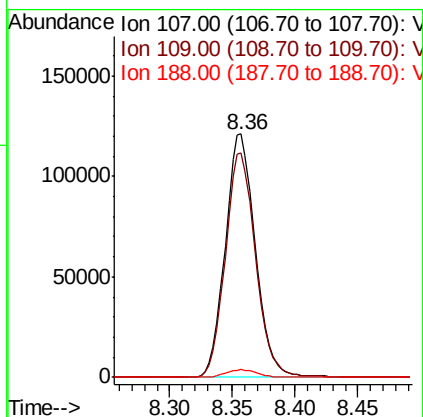
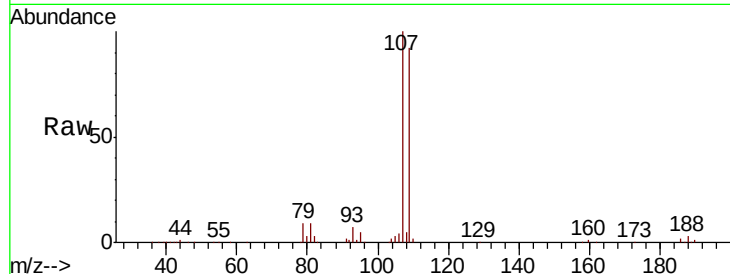




#50
1,2-Dibromoethane
Concen: 46.994 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VV019687.D
Acq: 16 Dec 2020 20:11

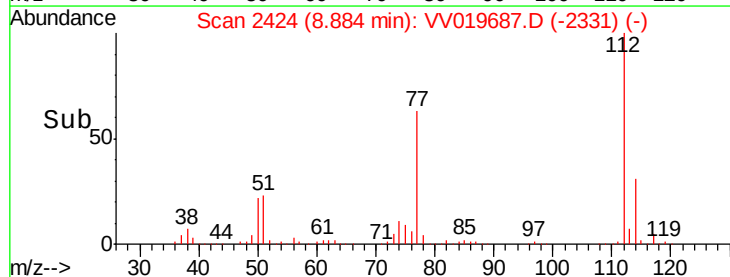
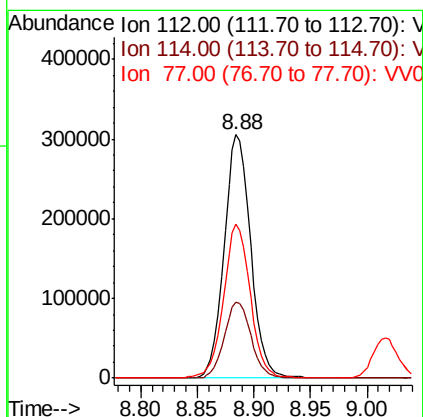
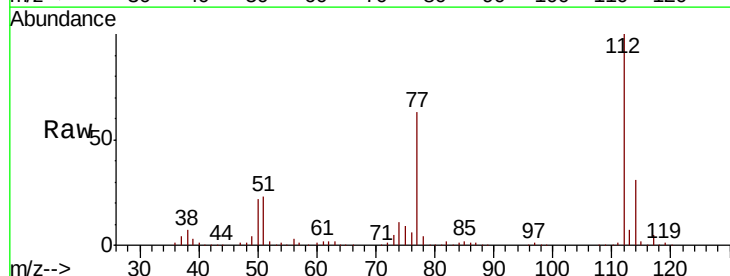
Instrument :
MSVOA_V
ClientSampleId :

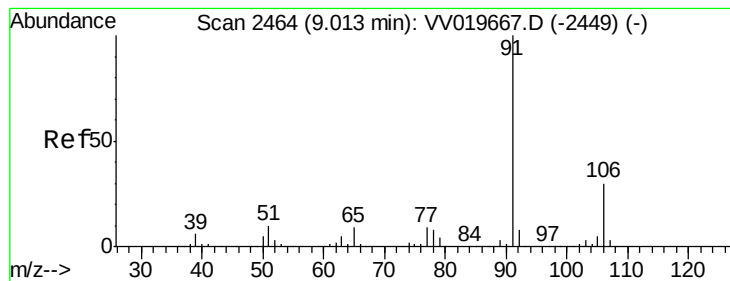
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	66.4	123.2
188	3.3	2.9	4.3



#51
Chlorobenzene
Concen: 45.094 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. -0.00 min
Lab File: VV019687.D
Acq: 16 Dec 2020 20:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.2	41.2
77	63.1	50.6	75.8





#52

Ethylbenzene

Concen: 44.563 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

Instrument :

MSVOA_V

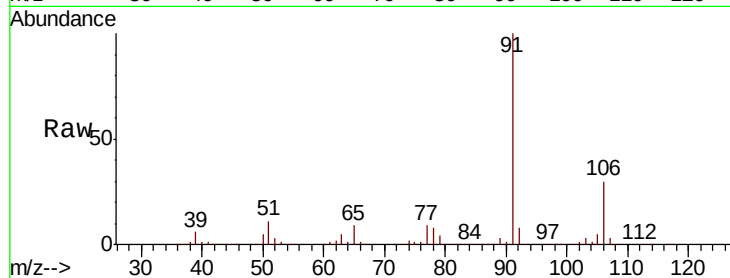
ClientSampleId :

Tot Ion: 91 Resp: 879114

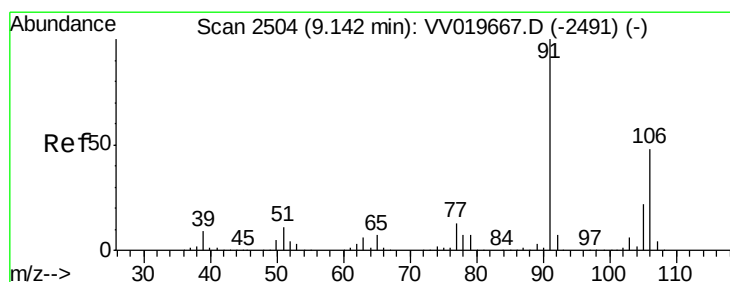
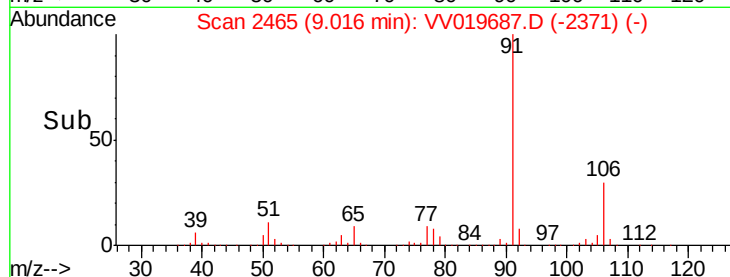
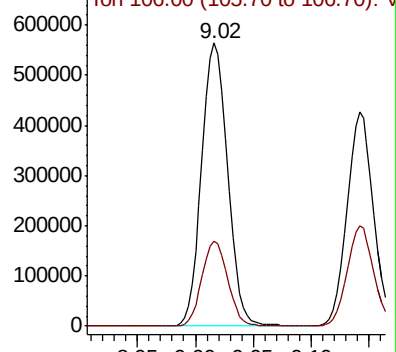
Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV019687.D (-2449) (-)



#53

m,p-Xylene

Concen: 43.522 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VV019687.D

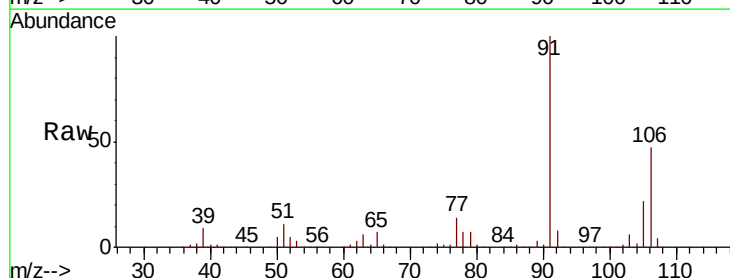
Acq: 16 Dec 2020 20:11

Tgt Ion: 106 Resp: 320757

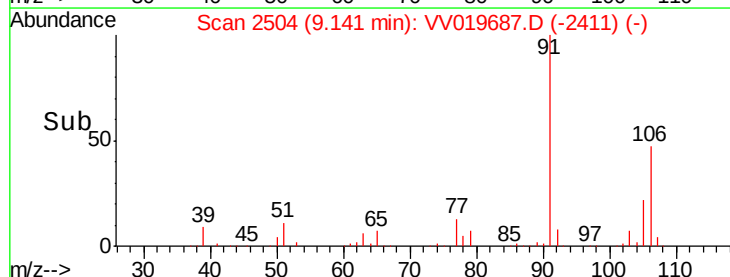
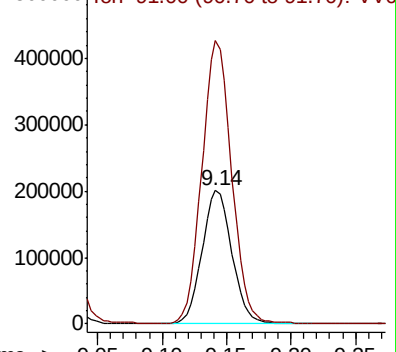
Ion Ratio Lower Upper

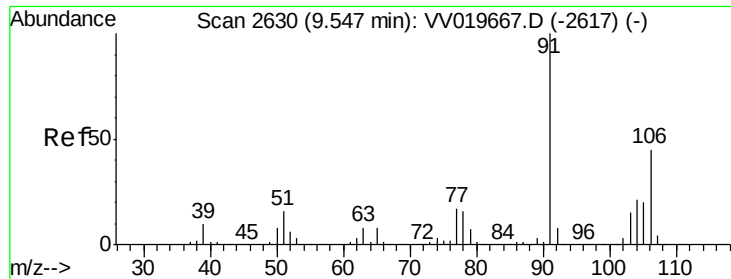
106 100

91 212.3 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): VV019687.D (-2491) (-)

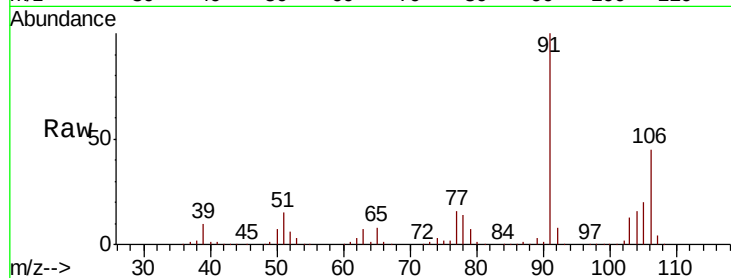




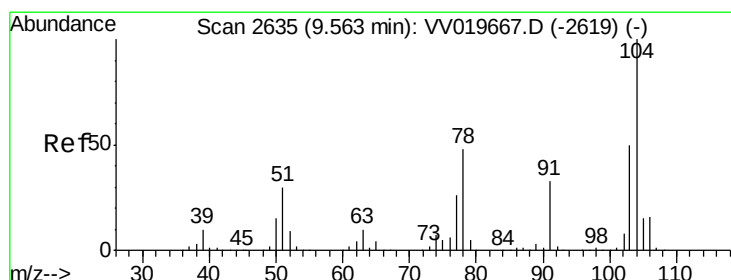
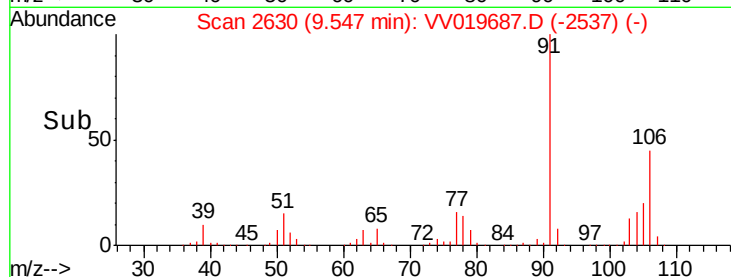
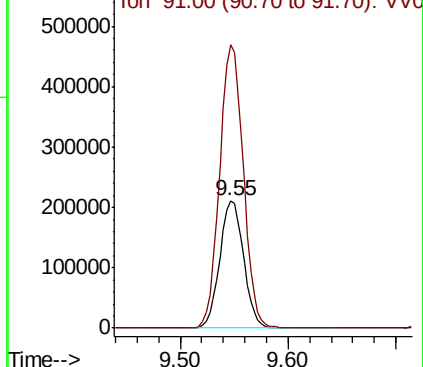
#54
o-xylene
Concen: 44.881 ug/L
RT: 9.55 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VV019687.D
Acq: 16 Dec 2020 20:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 324215
Ion Ratio Lower Upper
106 100
91 221.8 156.7 291.1

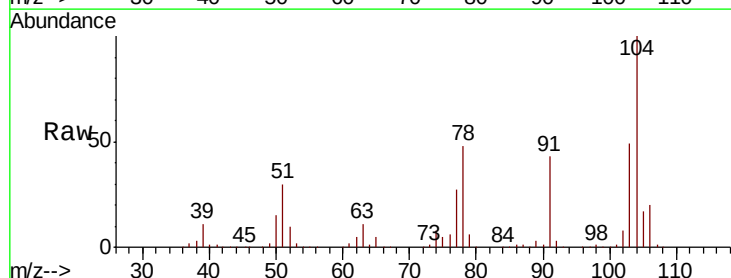


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

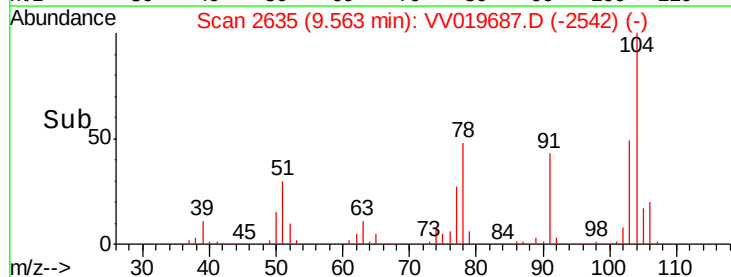
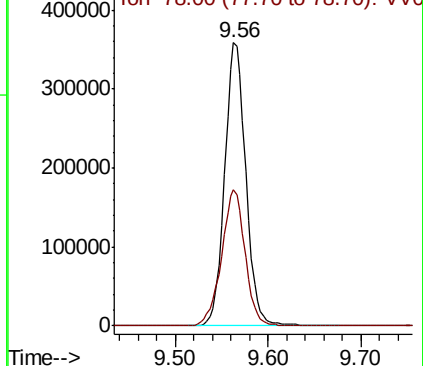


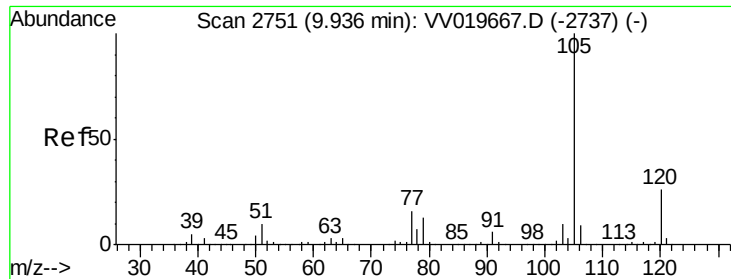
#55
Styrene
Concen: 45.033 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV019687.D
Acq: 16 Dec 2020 20:11

Tgt Ion:104 Resp: 566989
Ion Ratio Lower Upper
104 100
78 48.1 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: 44.099 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

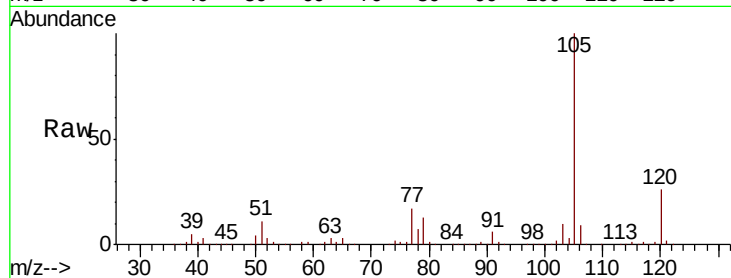
Tot Ion:105 Resp: 848684

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

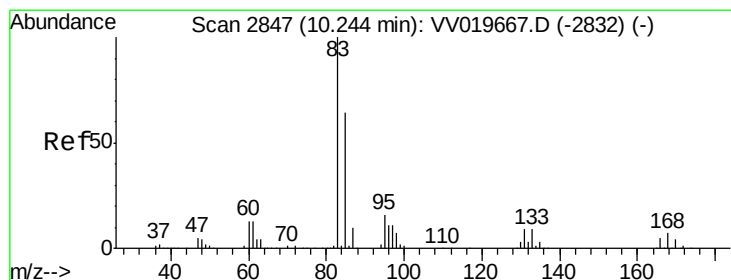
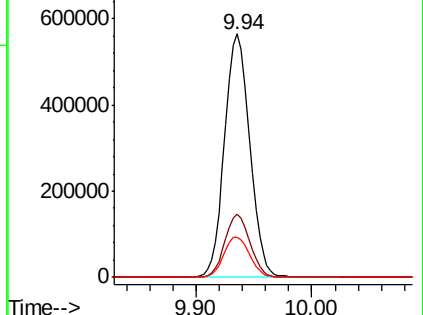
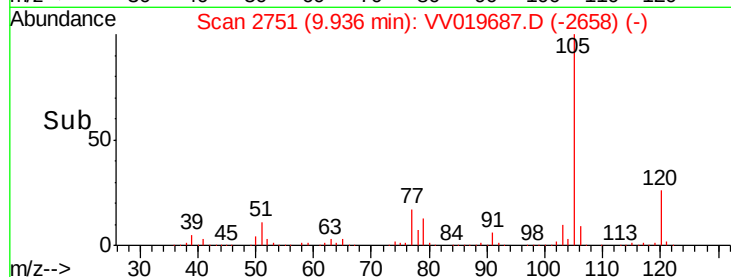
77 16.9 13.2 19.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.942 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

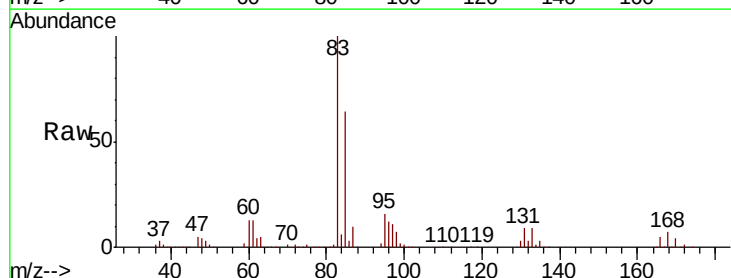
Tgt Ion: 83 Resp: 314100

Ion Ratio Lower Upper

83 100

85 63.5 44.9 83.5

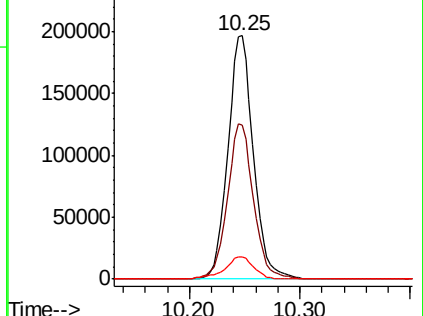
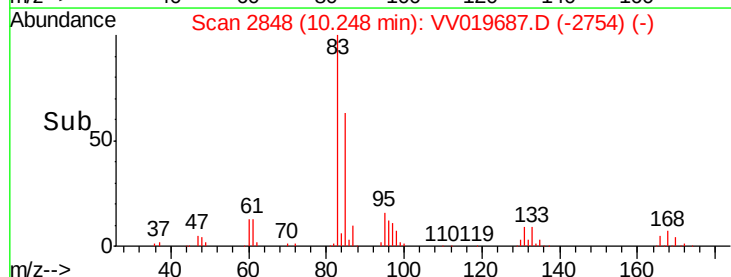
131 9.3 7.6 11.4

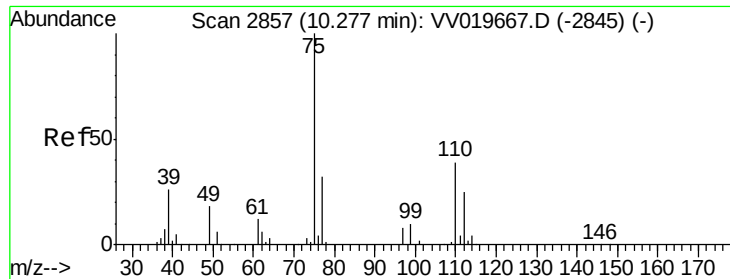


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.929 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

Instrument :

MSVOA_V

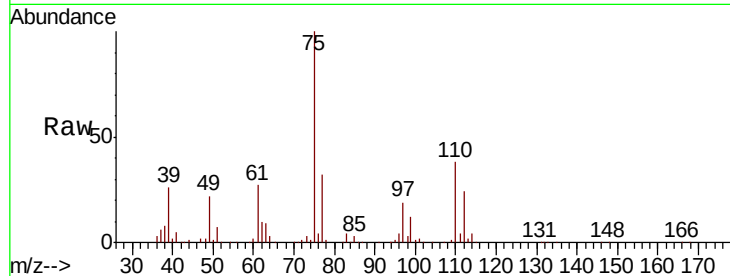
ClientSampleId :

Tot Ion: 75 Resp: 261102

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019667.D (-2845) (-)

Ion 77.00 (76.70 to 77.70): VV019667.D (-2845) (-)

10.28

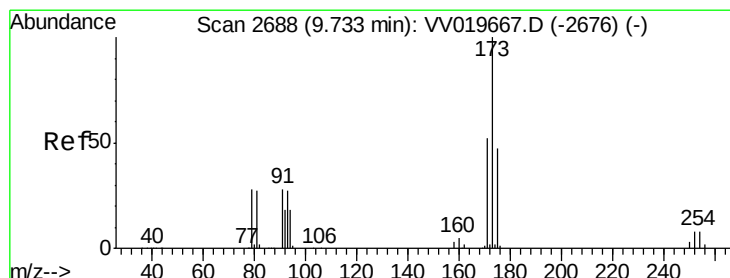
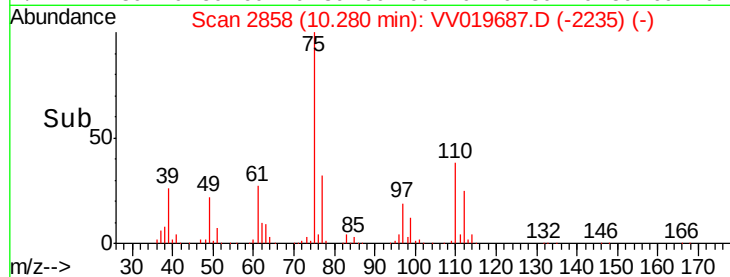
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 40.316 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

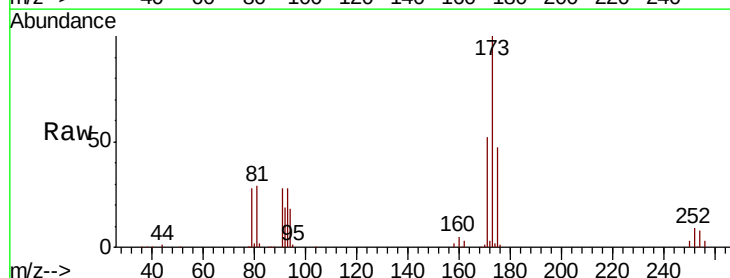
Tgt Ion:173 Resp: 127088

Ion Ratio Lower Upper

173 100

175 47.7 38.4 57.6

254 7.9 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): VV019667.D (-2676) (-)

Ion 175.00 (174.70 to 175.70): VV019667.D (-2676) (-)

Ion 254.00 (253.70 to 254.70): VV019667.D (-2676) (-)

9.74

100000

80000

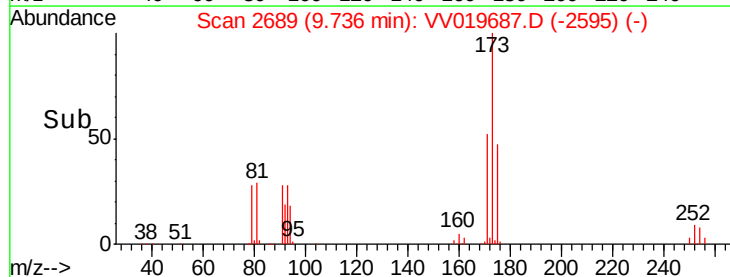
60000

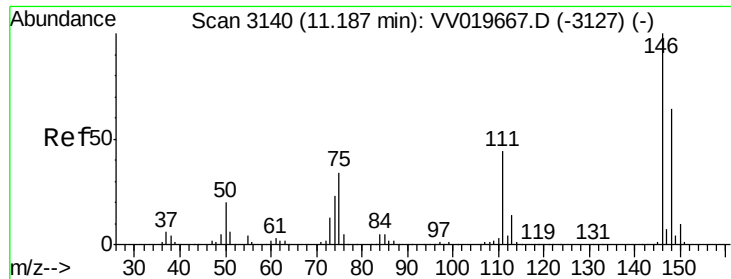
40000

20000

0

Time-->

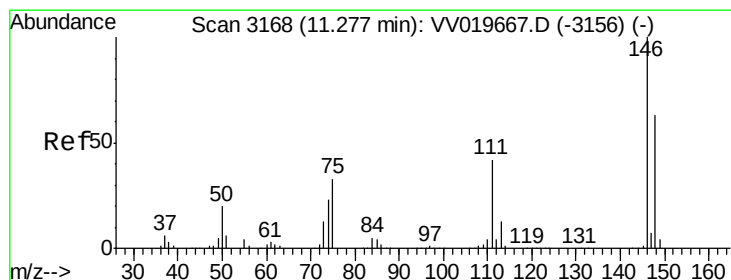
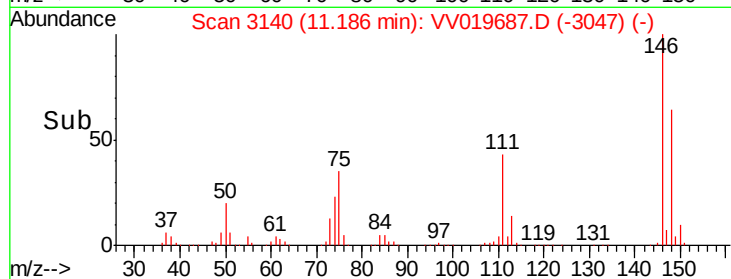
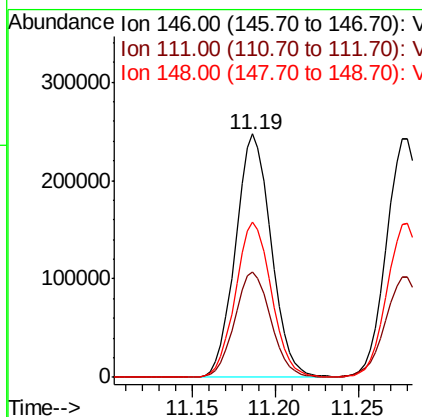
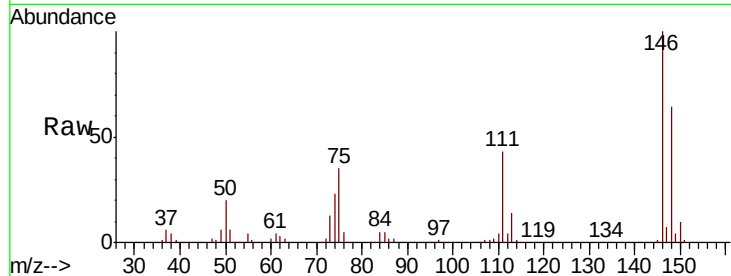




#62
 1,3-Dichlorobenzene
 Concen: 42.472 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. -0.00 min
 Lab File: VV019687.D
 Acq: 16 Dec 2020 20:11

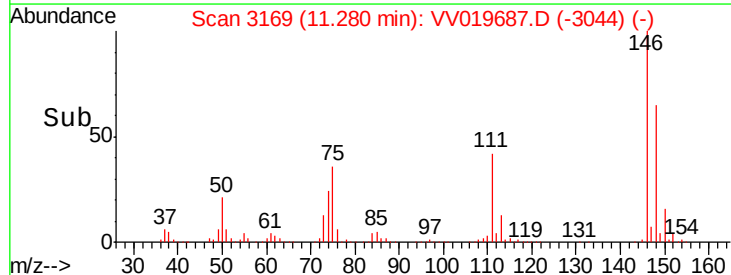
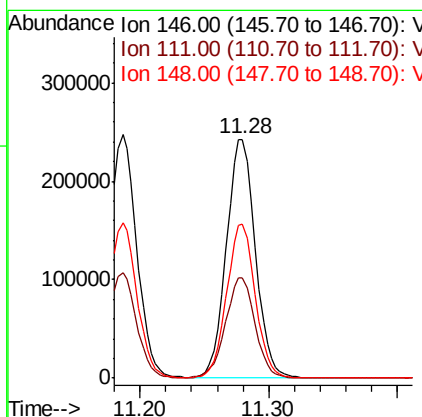
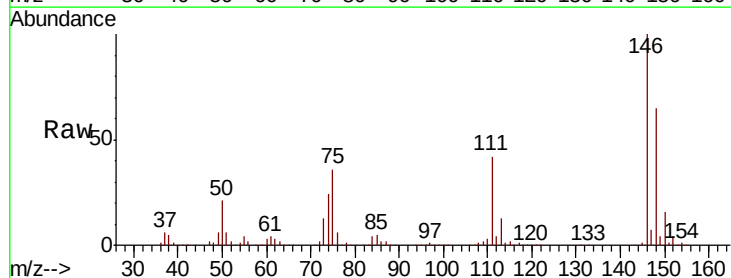
Instrument :
 MSVOA_V
 ClientSampleId :

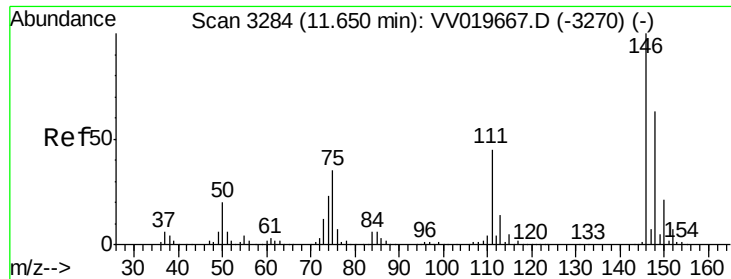
Tot Ion:146 Resp: 371237
 Ion Ratio Lower Upper
 146 100
 111 43.3 30.7 57.1
 148 63.6 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 42.730 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VV019687.D
 Acq: 16 Dec 2020 20:11

Tgt Ion:146 Resp: 378208
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.8 55.4
 148 64.5 44.2 82.0





#65

1,2-Dichlorobenzene

Concen: 44.130 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. -0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

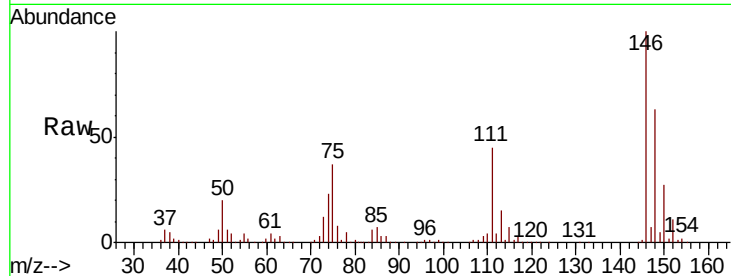
Tot Ion:146 Resp: 381148

Ion Ratio Lower Upper

146 100

111 45.3 36.6 55.0

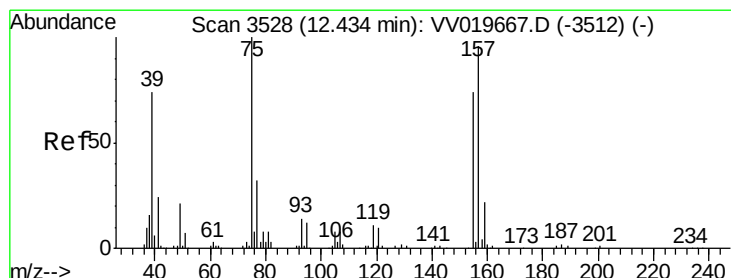
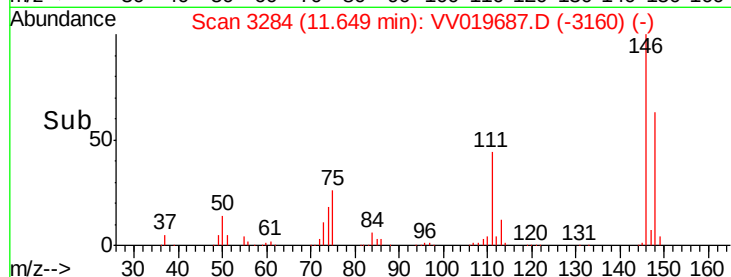
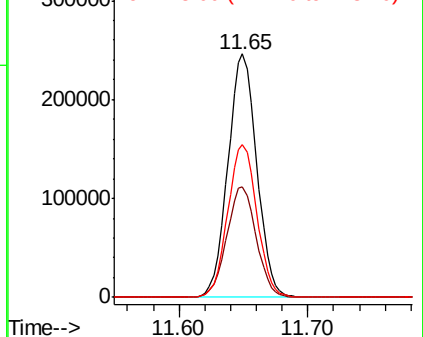
148 62.8 50.7 76.1



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: 42.891 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

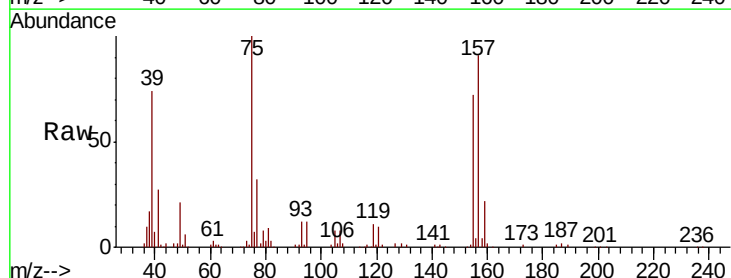
Tgt Ion: 75 Resp: 77328

Ion Ratio Lower Upper

75 100

155 71.6 61.1 91.7

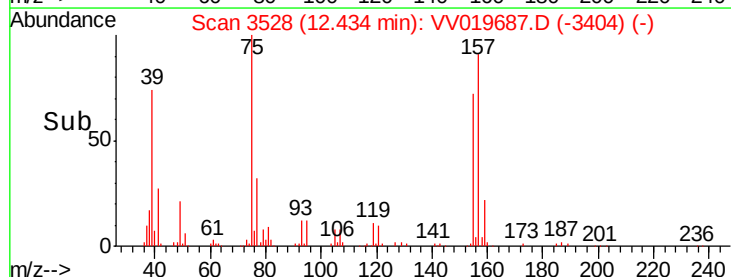
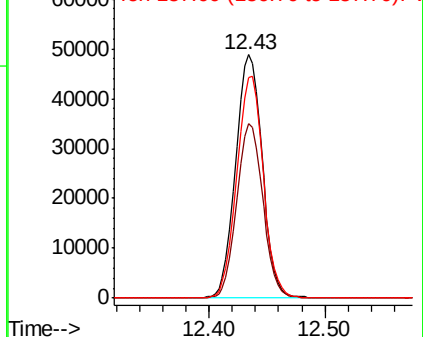
157 90.5 78.7 118.1

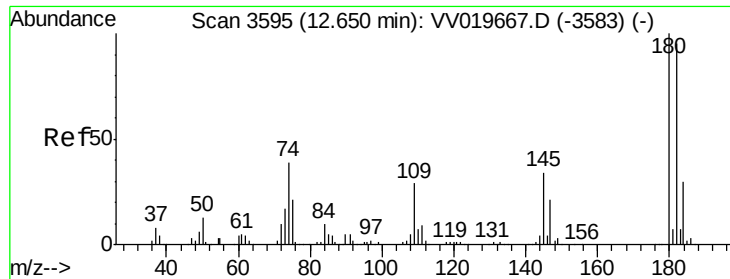


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

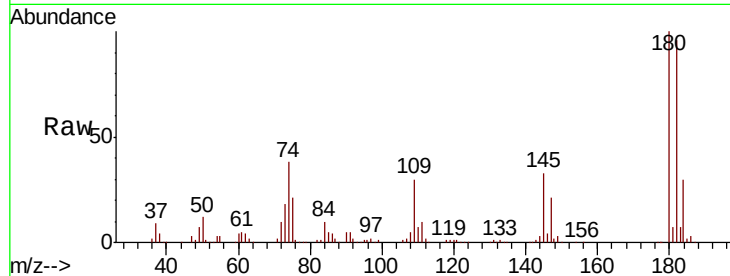




#67
 1,3,5-Trichlorobenzene
 Concen: 42.952 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019687.D
 Acq: 16 Dec 2020 20:11

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.8	113.6
184	30.4	23.9	35.9
145	33.2	26.2	39.2



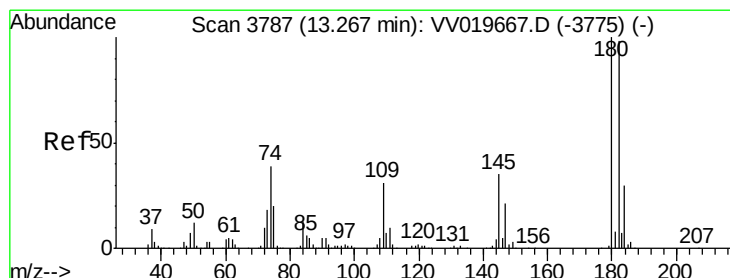
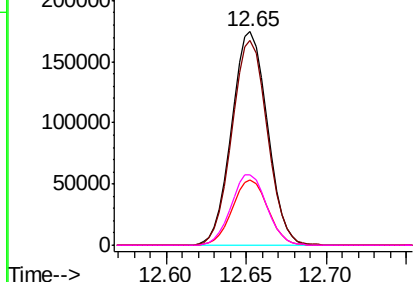
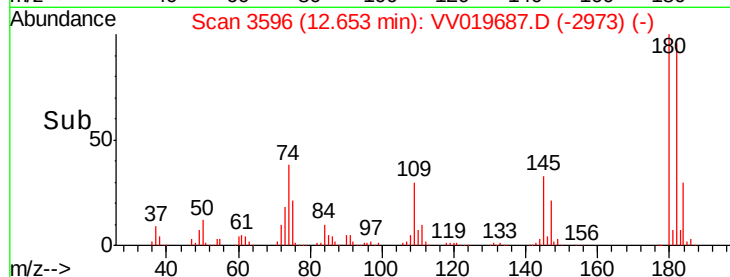
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

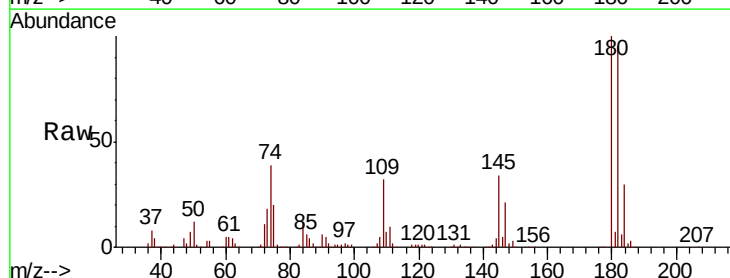
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 42.870 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. -0.00 min
 Lab File: VV019687.D
 Acq: 16 Dec 2020 20:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.5	114.7
145	33.6	27.0	40.6

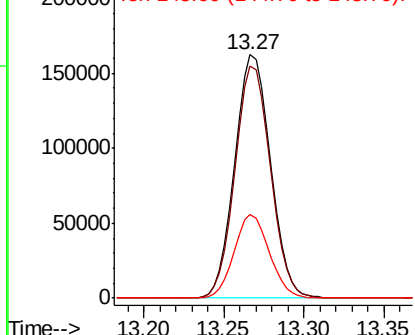
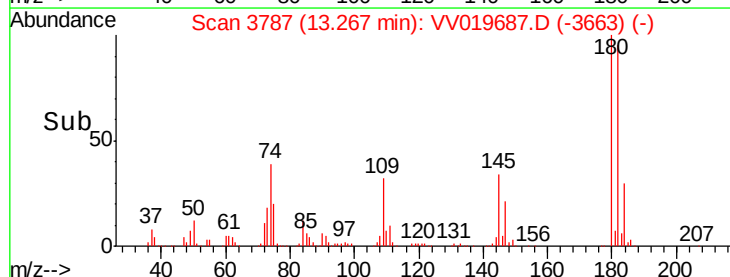


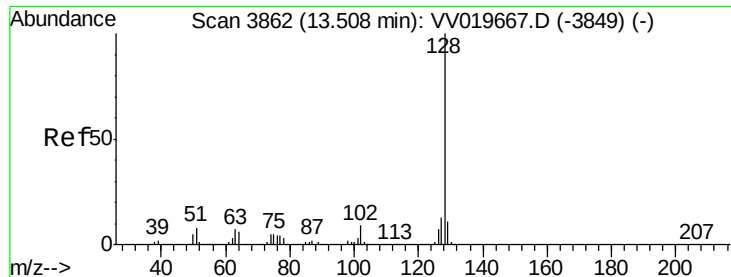
Abundance

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: 44.370 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. -0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

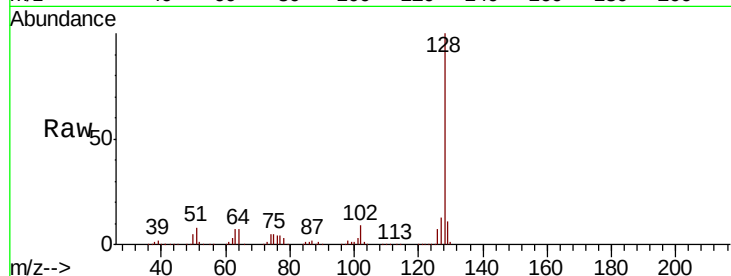
Tot Ion:128 Resp: 889605

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

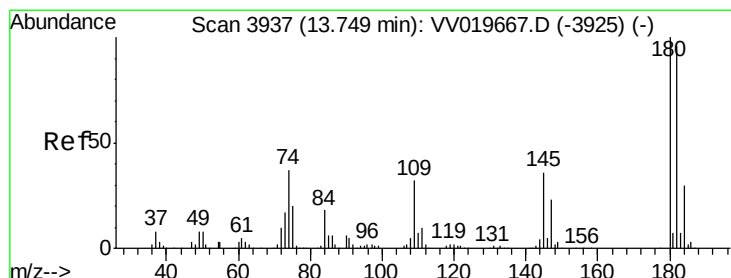
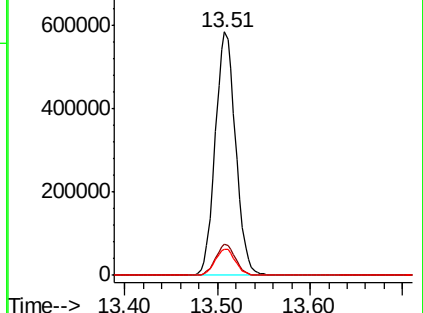
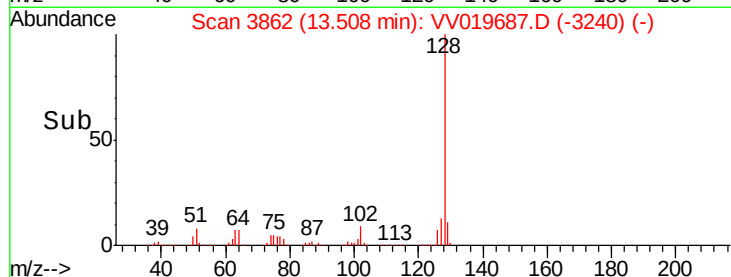
129 10.7 8.6 12.8



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: 43.954 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019687.D

Acq: 16 Dec 2020 20:11

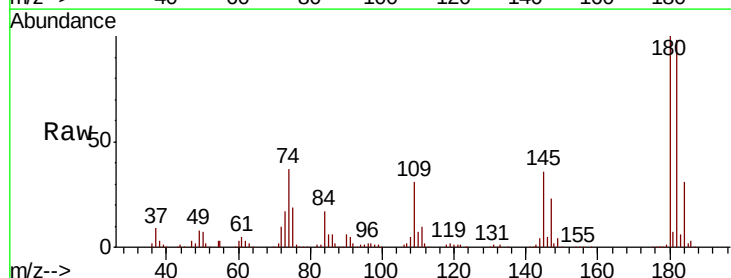
Tgt Ion:180 Resp: 248021

Ion Ratio Lower Upper

180 100

182 95.2 75.8 113.6

145 35.9 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

