

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112520\
 Data File : VV019437.D
 Acq On : 25 Nov 2020 09:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 26 00:21:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 25 08:54:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	425772	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	425437	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	241036	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	168955	39.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.46%
7) Chloroethane-d5	1.58	69	144872	41.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.72%
11) 1,1-Dichloroethene-d2	2.12	63	333787	44.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.20%
21) 2-Butanone-d5	3.89	46	229446	88.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.53%
24) Chloroform-d	4.37	84	300352	43.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.38%
26) 1,2-Dichloroethane-d4	5.05	65	194566	43.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.48%
32) Benzene-d6	5.07	84	563491	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.09	67	188955	45.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.30%
41) Toluene-d8	7.33	98	507803	45.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.12%
43) trans-1,3-Dichloropropene-	7.64	79	94236	46.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.24%
47) 2-Hexanone-d5	8.10	63	152325	92.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.38%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	243415	44.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.86%
64) 1,2-Dichlorobenzene-d4	11.64	152	201127	42.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.94%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	173706	50.475	ug/L	98
3) Chloromethane	1.25	50	212976	46.018	ug/L	100
5) Vinyl chloride	1.32	62	215794	48.799	ug/L	97
6) Bromomethane	1.53	94	144663	50.179	ug/L	99
8) Chloroethane	1.59	64	137075	48.706	ug/L	99
9) Trichlorofluoromethane	1.76	101	283483	51.057	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	159207	53.322	ug/L	99
12) 1,1-Dichloroethene	2.13	96	153678	49.438	ug/L	90
13) Acetone	2.18	43	219943	110.984	ug/L	96
14) Carbon disulfide	2.31	76	454844	50.412	ug/L	100
15) Methyl Acetate	2.44	43	188942	47.088	ug/L	97
16) Methylene chloride	2.52	84	168997	46.936	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	153637	49.972	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	485417	49.652	ug/L	99
19) 1,1-Dichloroethane	3.21	63	309713	49.111	ug/L	99
20) cis-1,2-Dichloroethene	3.93	96	162906	48.217	ug/L	95
22) 2-Butanone	3.98	43	272386	103.639	ug/L	99

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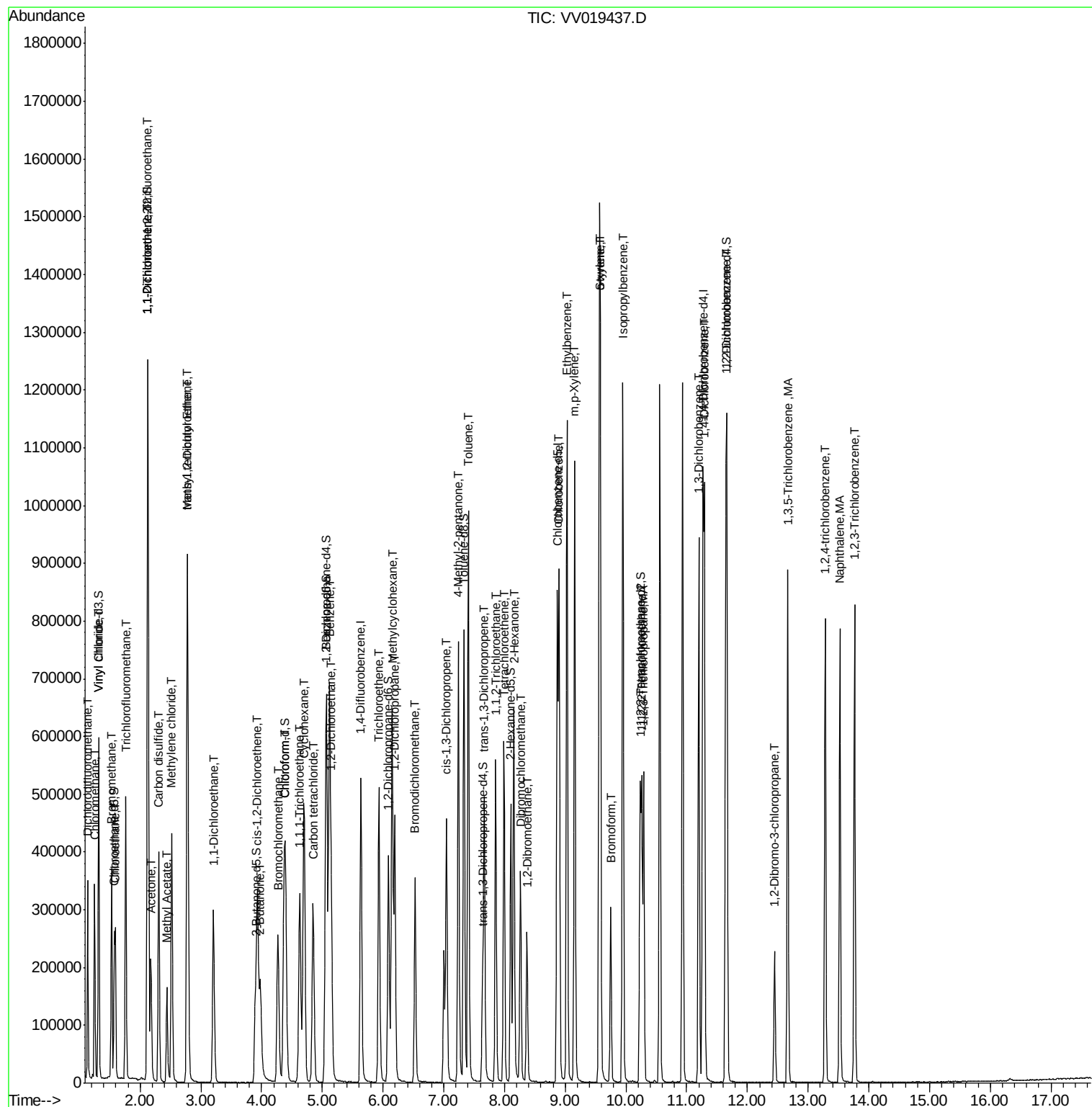
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	84997	47.502	ug/L	96
25) Chloroform	4.40	83	306392	48.062	ug/L	99
27) 1,2-Dichloroethane	5.15	62	246201	49.220	ug/L	98
29) Cyclohexane	4.70	56	261712	58.766	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	265583	51.681	ug/L	99
31) Carbon tetrachloride	4.85	117	230261	52.193	ug/L	98
33) Benzene	5.12	78	659641	51.810	ug/L	100
34) Trichloroethene	5.93	95	178456	50.262	ug/L	99
35) Methylcyclohexane	6.15	83	251358	60.163	ug/L	100
37) 1,2-Dichloropropane	6.19	63	180374	51.363	ug/L	99
38) Bromodichloromethane	6.53	83	232372	49.909	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	272069	52.449	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	499189	100.809	ug/L	99
42) Toluene	7.41	91	693684	52.522	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	272470	52.733	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	161257	49.038	ug/L	99
46) Tetrachloroethene	7.99	164	128531	52.124	ug/L	96
48) 2-Hexanone	8.15	43	407746	103.965	ug/L	99
49) Dibromochloromethane	8.26	129	179949	49.513	ug/L	100
50) 1,2-Dibromoethane	8.37	107	169136	48.465	ug/L	98
51) Chlorobenzene	8.90	112	431389	49.511	ug/L	99
52) Ethylbenzene	9.03	91	759502	53.586	ug/L	98
53) m,p-Xylene	9.15	106	279119	53.224	ug/L	98
54) o-xylene	9.56	106	269317	52.743	ug/L	100
55) Styrene	9.58	104	500775	54.785	ug/L	98
56) Isopropylbenzene	9.95	105	729657	54.542	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	244626	48.668	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	217423	47.133	ug/L	98
61) Bromoform	9.75	173	130594	47.392	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	346376	49.396	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	360944	48.973	ug/L	100
65) 1,2-Dichlorobenzene	11.66	146	347755	48.305	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	58214	46.730	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	264268	51.772	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	235151	52.033	ug/L	100
69) Naphthalene	13.52	128	565414	49.202	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	239527	50.707	ug/L	99

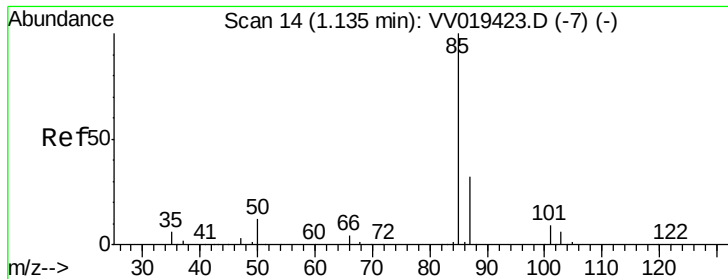
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.475 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

Instrument :

MSVOA_V

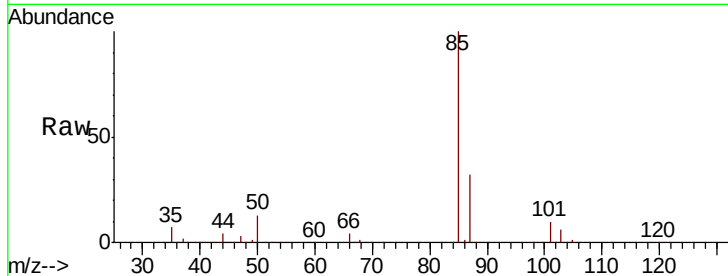
ClientSampleId :

Tot Ion: 85 Resp: 173706

Ion Ratio Lower Upper

85 100

87 31.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV019437.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV019437.D (-7) (-)

1.14

200000

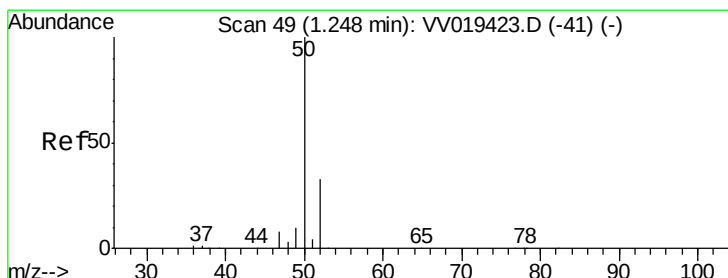
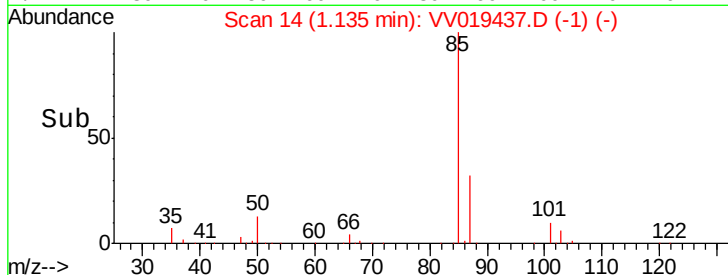
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.018 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019437.D

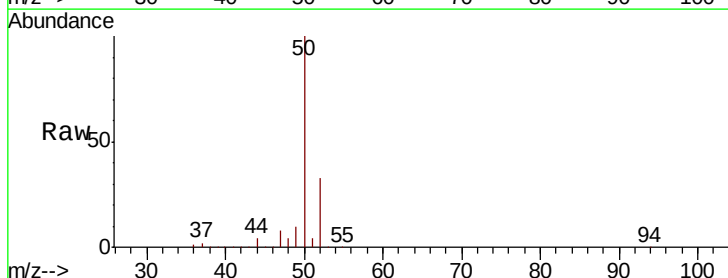
Acq: 25 Nov 2020 09:23

Tgt Ion: 50 Resp: 212976

Ion Ratio Lower Upper

50 100

52 32.6 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV019437.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV019437.D (-41) (-)

1.25

200000

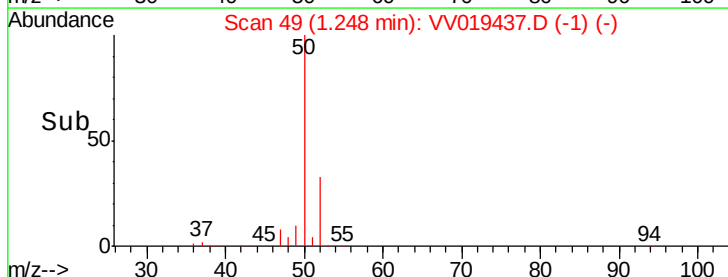
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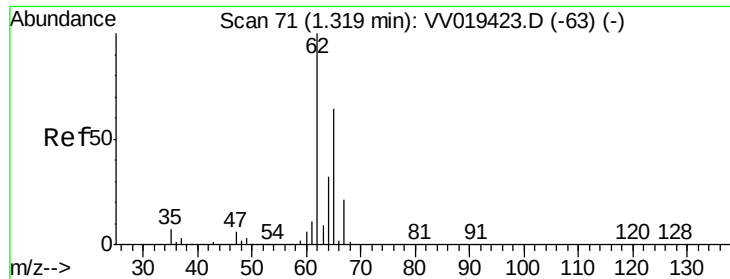
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 48.799 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

Instrument :

MSVOA_V

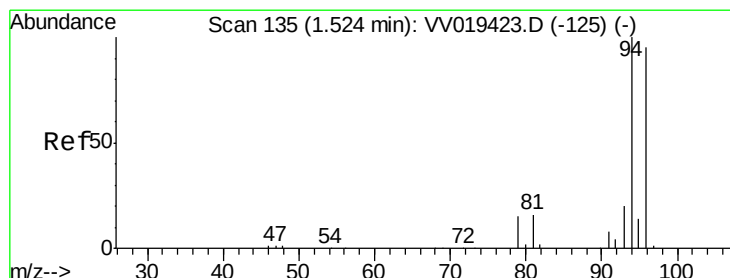
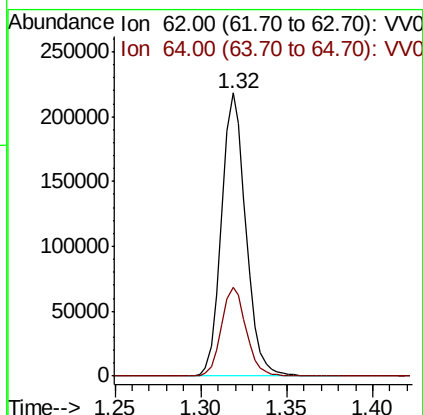
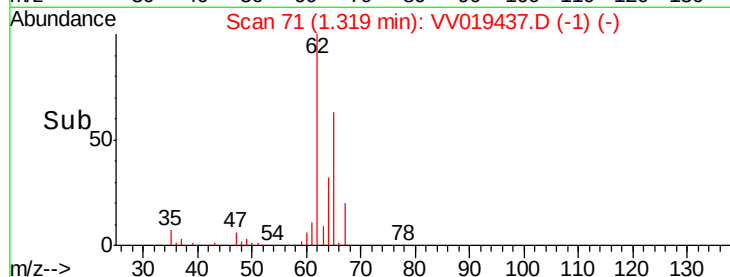
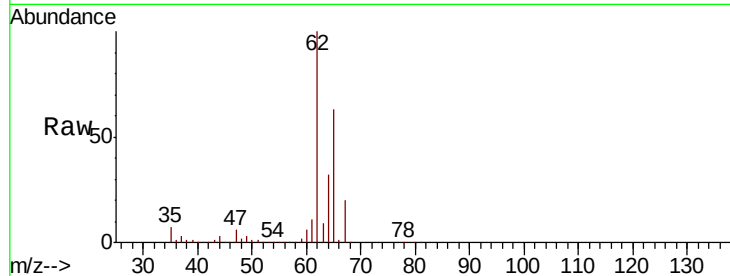
ClientSampleId :

Tot Ion: 62 Resp: 215794

Ion Ratio Lower Upper

62 100

64 31.6 23.1 42.9



#6

Bromomethane

Concen: 50.179 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV019437.D

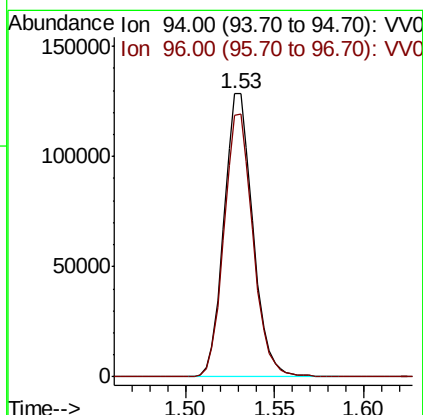
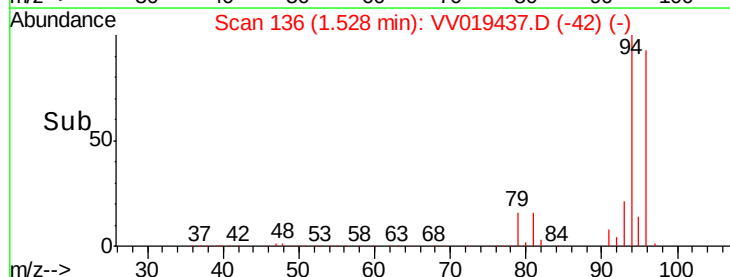
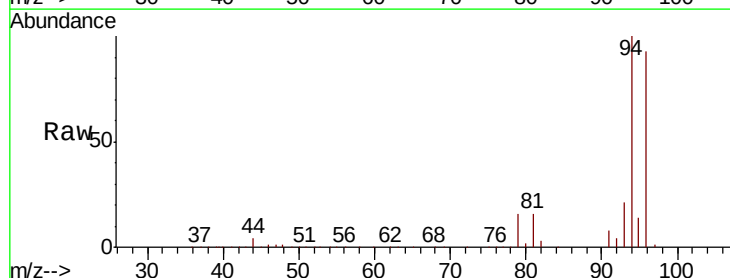
Acq: 25 Nov 2020 09:23

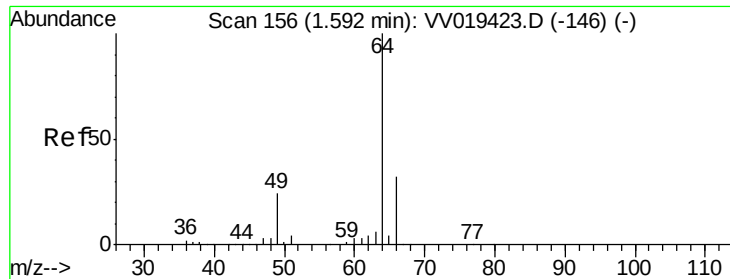
Tgt Ion: 94 Resp: 144663

Ion Ratio Lower Upper

94 100

96 92.6 65.5 121.7





#8

Chloroethane

Concen: 48.706 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

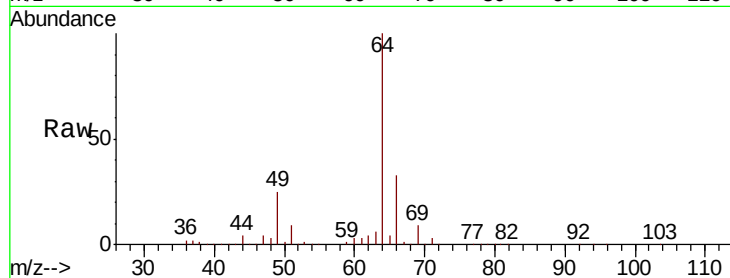
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 137075

Ion Ratio Lower Upper

64 100

66 32.8 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV019437.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV019437.D (-146) (-)

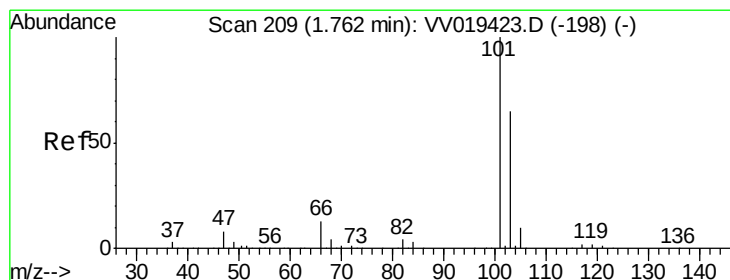
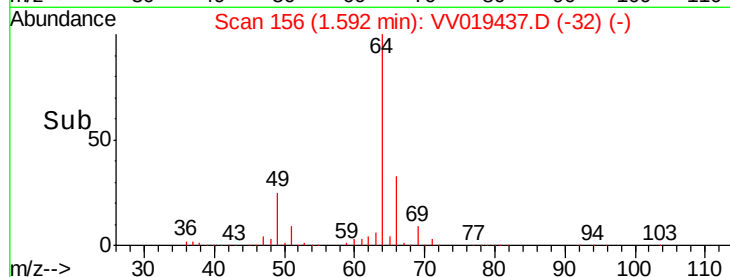
1.59

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 51.057 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV019437.D

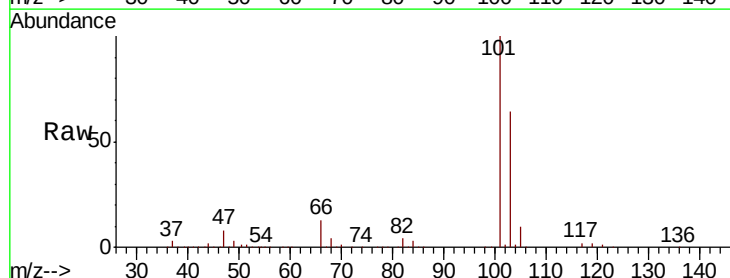
Acq: 25 Nov 2020 09:23

Tgt Ion:101 Resp: 283483

Ion Ratio Lower Upper

101 100

103 64.7 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV019437.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV019437.D (-198) (-)

1.76

250000

200000

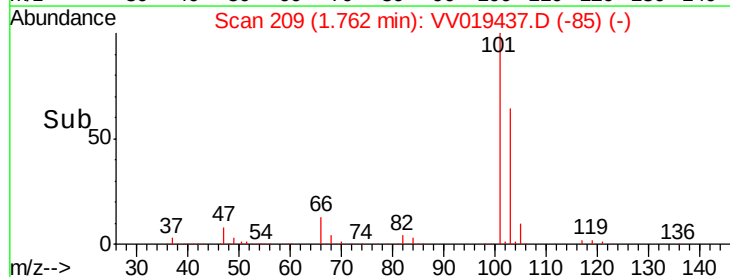
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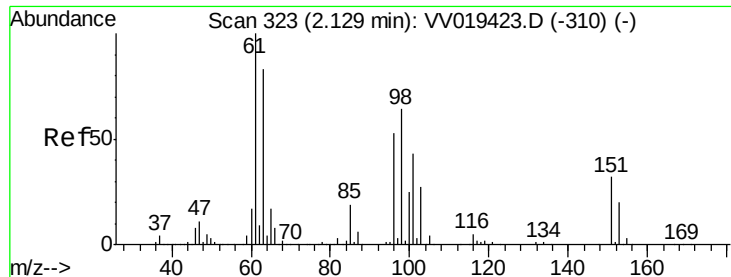
100000

50000

0

Time-->





#10

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

Concen: 53.322 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampled :

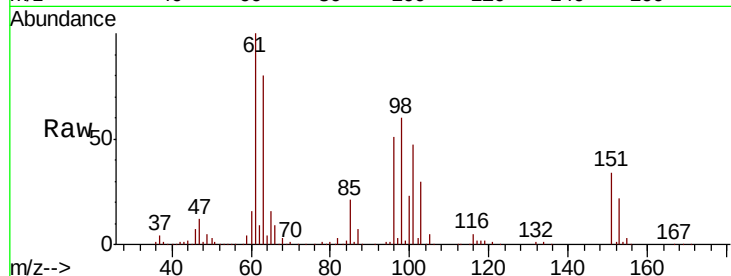
Tot Ion:101 Resp: 159207

Ion Ratio Lower Upper

101 100

85 44.3 35.5 53.3

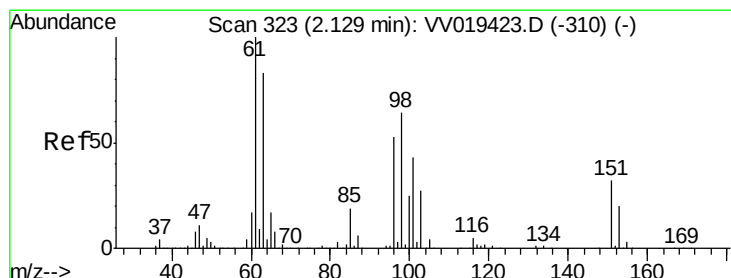
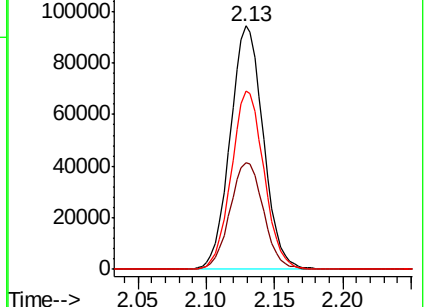
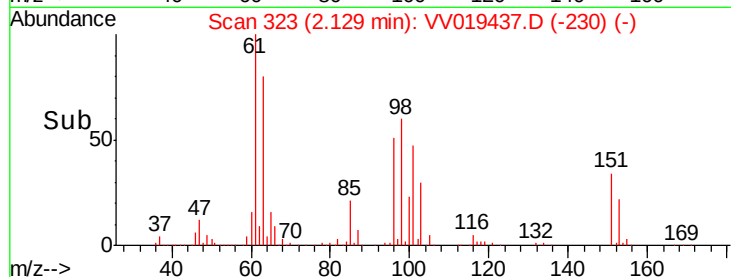
151 72.4 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): VV019437.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV019437.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV019437.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 49.438 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

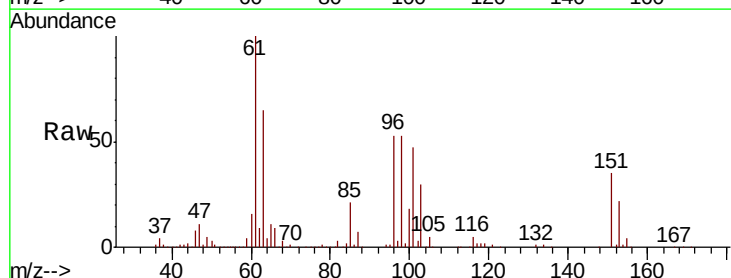
Tgt Ion: 96 Resp: 153678

Ion Ratio Lower Upper

96 100

61 187.6 130.0 241.4

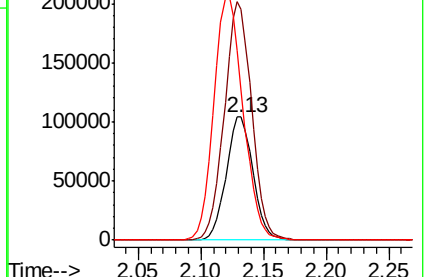
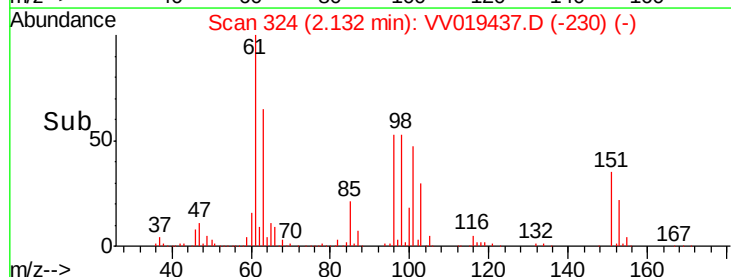
63 122.5 105.1 195.3

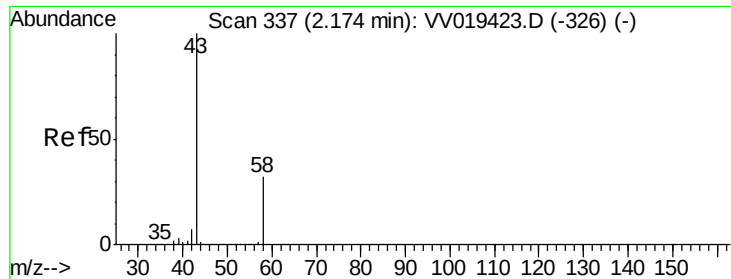


Abundance Ion 96.00 (95.70 to 96.70): VV019437.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV019437.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV019437.D (-230) (-)





#13

Acetone

Concen: 110.984 ug/L

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

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MSVOA_V

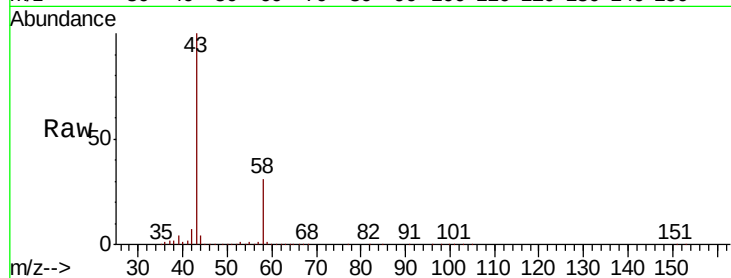
ClientSampleId :

Tot Ion: 43 Resp: 219943

Ion Ratio Lower Upper

43 100

58 31.0 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV019423.D (-326) (-)

Ion 58.00 (57.70 to 58.70): VV019423.D (-326) (-)

2.18

150000

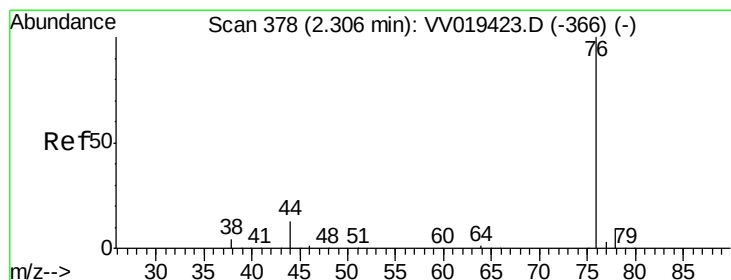
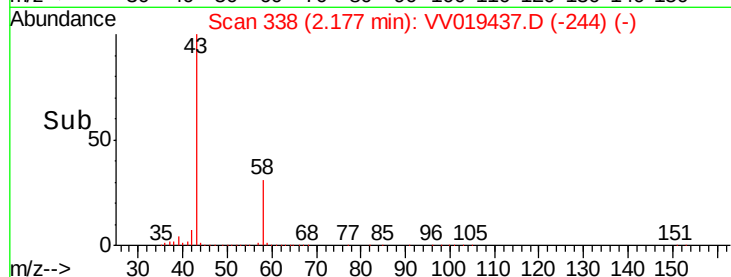
100000

50000

0

2.10 2.20 2.30

Time-->



#14

Carbon disulfide

Concen: 50.412 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV019437.D

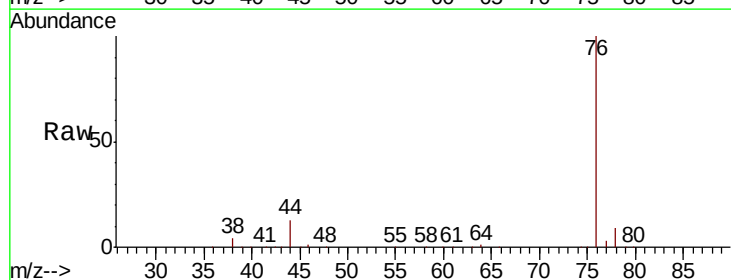
Acq: 25 Nov 2020 09:23

Tgt Ion: 76 Resp: 454844

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019423.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV019423.D (-366) (-)

2.31

300000

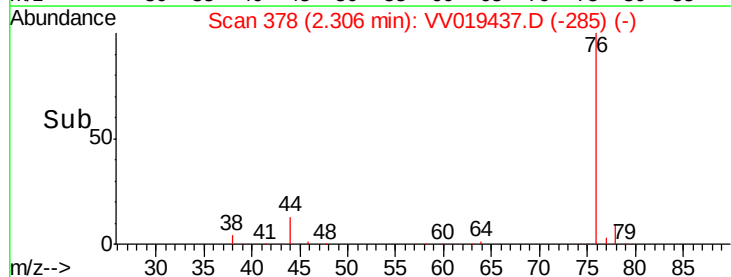
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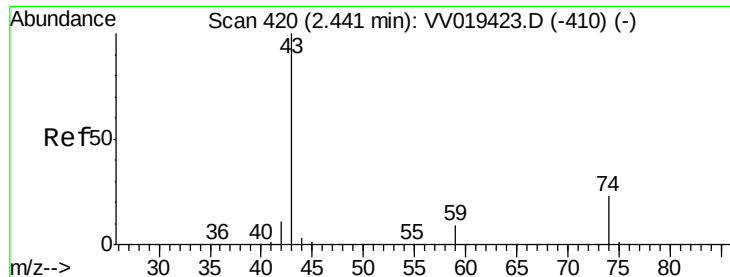
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2.20 2.30 2.40

Time-->

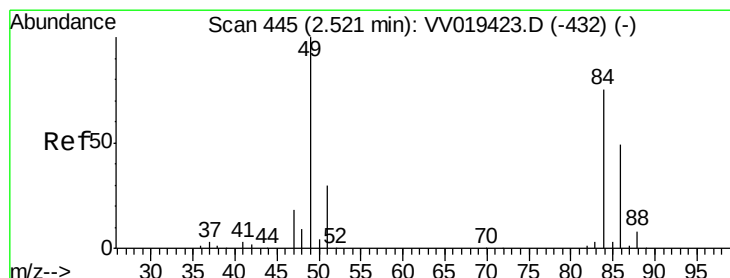
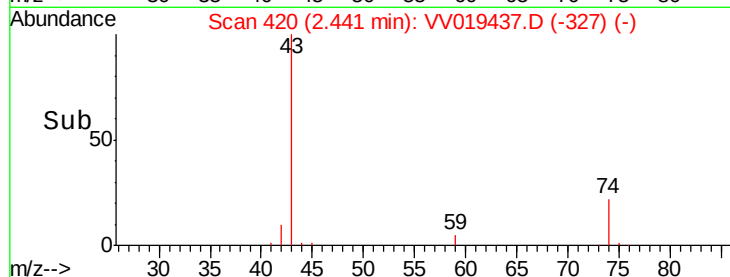
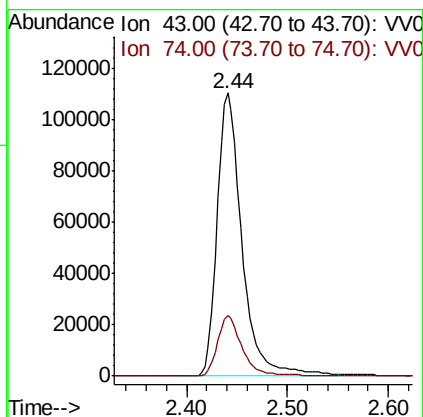
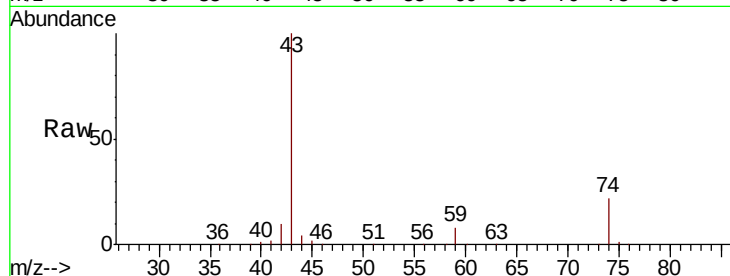




#15
Methvl Acetate
Concen: 47.088 ug/L
RT: 2.44 min Scan# 420
Delta R.T. 0.00 min
Lab File: VV019437.D
Acq: 25 Nov 2020 09:23

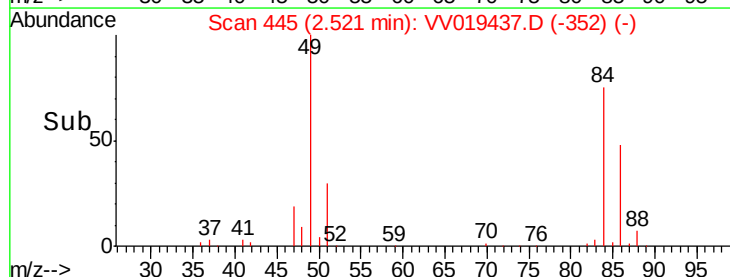
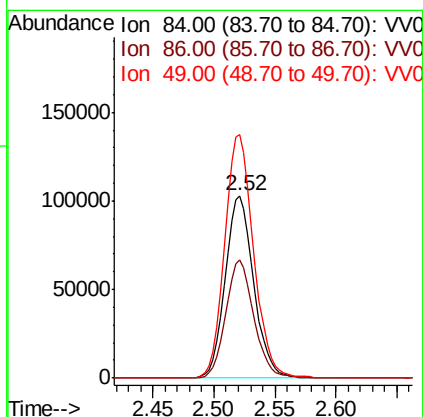
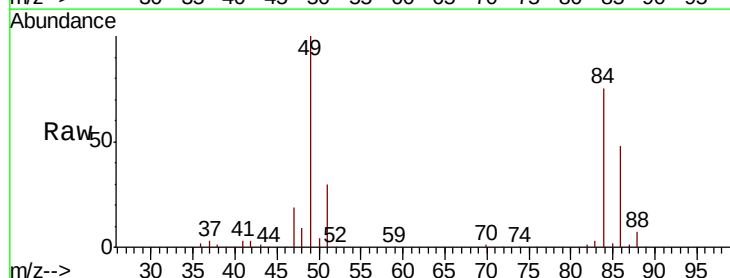
Instrument :
MSVOA_V
ClientSampleId :

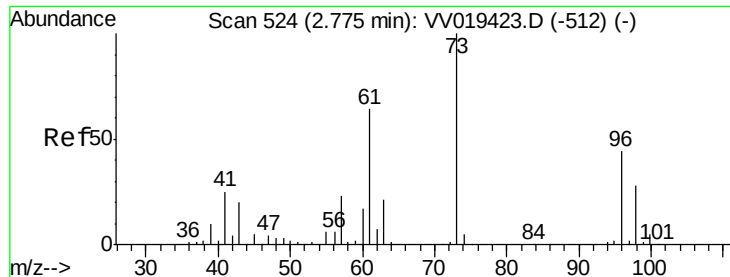
Tot Ion: 43 Resp: 188942
Ion Ratio Lower Upper
43 100
74 20.8 17.8 26.8



#16
Methylene chloride
Concen: 46.936 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV019437.D
Acq: 25 Nov 2020 09:23

Tgt Ion: 84 Resp: 168997
Ion Ratio Lower Upper
84 100
86 64.6 45.8 85.2
49 133.5 92.0 170.9

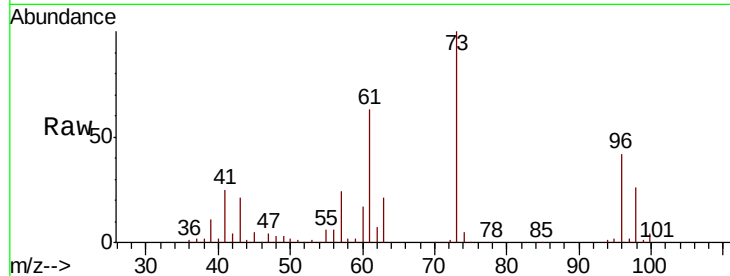




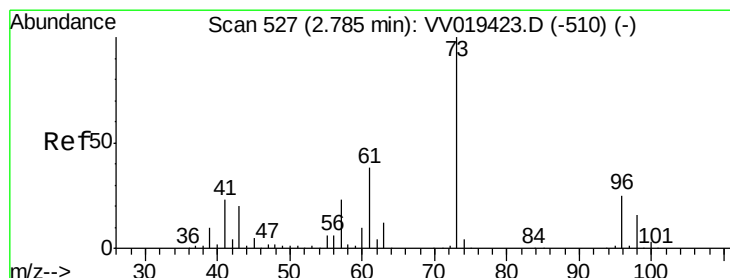
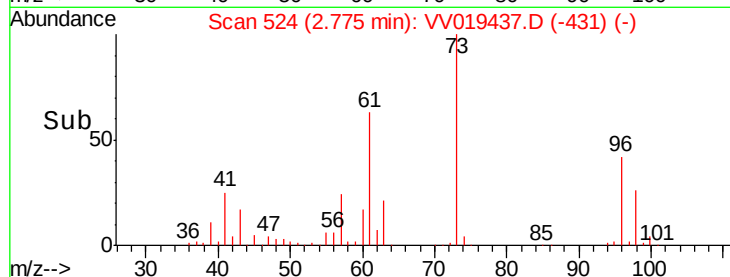
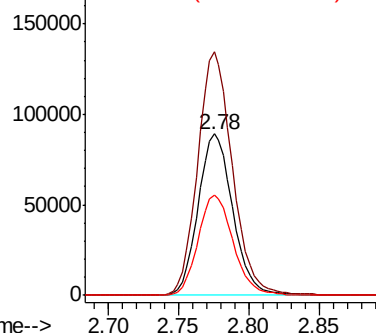
#17
trans-1,2-Dichloroethene
Concen: 49.972 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV019437.D
Acq: 25 Nov 2020 09:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 153637
Ion Ratio Lower Upper
96 100
61 150.9 103.7 192.5
98 62.1 44.0 81.6

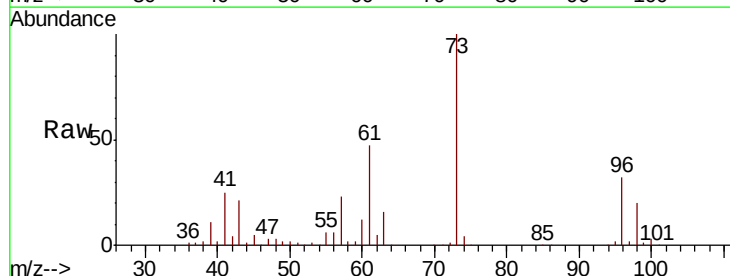


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

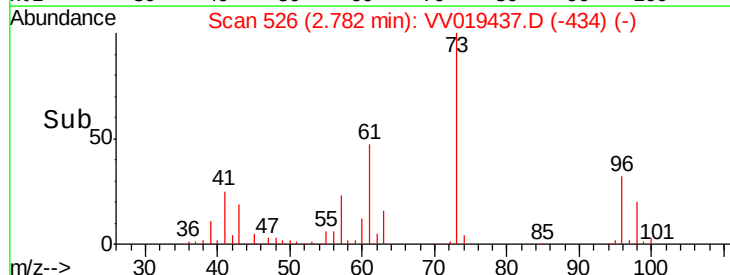
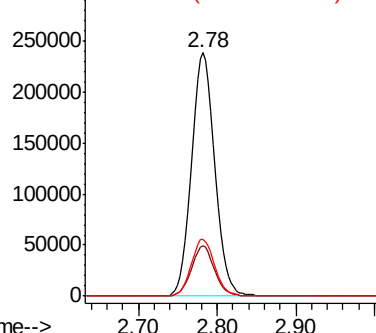


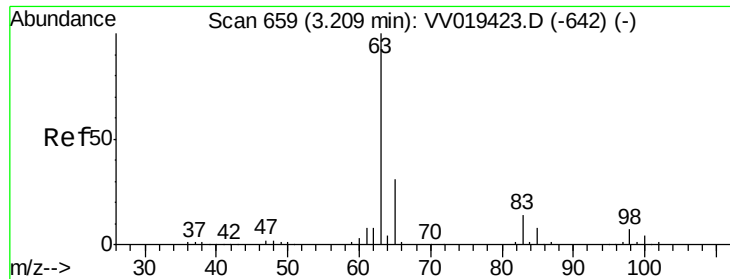
#18
Methyl tert-butyl Ether
Concen: 49.652 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV019437.D
Acq: 25 Nov 2020 09:23

Tgt Ion: 73 Resp: 485417
Ion Ratio Lower Upper
73 100
43 20.3 15.6 23.4
57 23.5 18.3 27.5



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

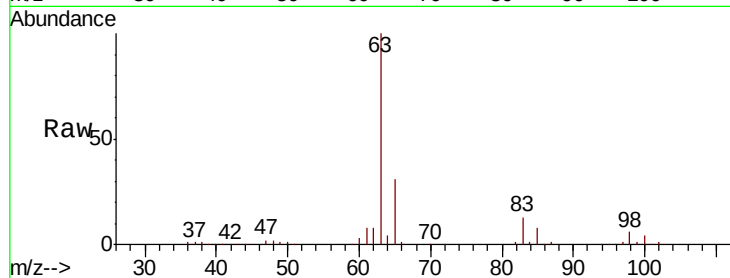




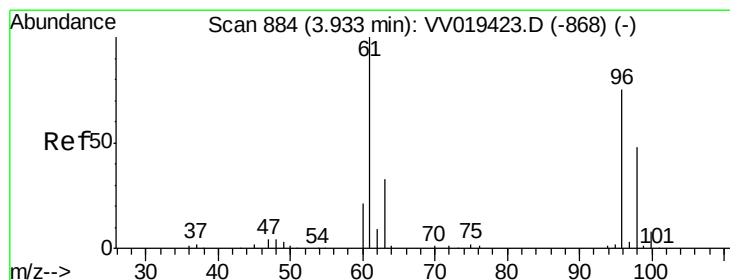
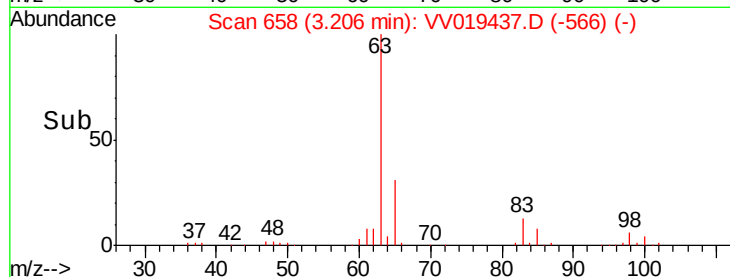
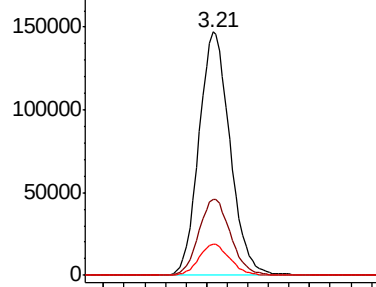
#19
 1,1-Dichloroethane
 Concen: 49.111 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV019437.D
 Acq: 25 Nov 2020 09:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 309713
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.8 40.4
 83 12.8 9.8 18.2

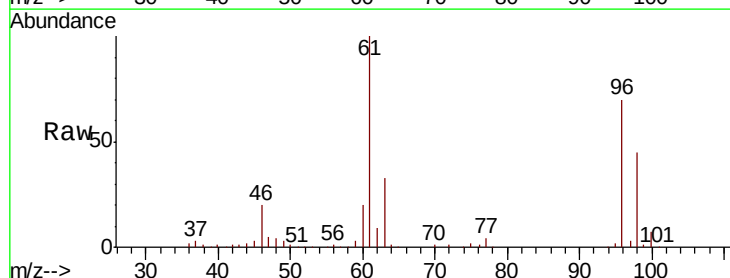


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

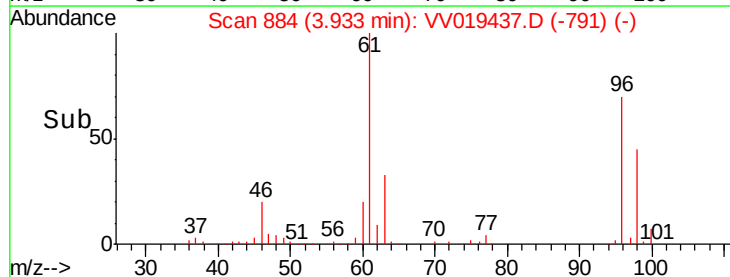
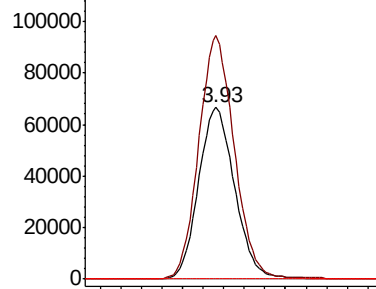


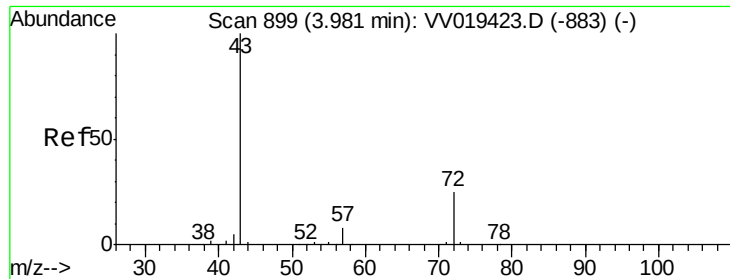
#20
 cis-1,2-Dichloroethene
 Concen: 48.217 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: VV019437.D
 Acq: 25 Nov 2020 09:23

Tgt Ion: 96 Resp: 162906
 Ion Ratio Lower Upper
 96 100
 61 142.0 95.5 177.3
 68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 103.639 ug/L

RT: 3.98 min Scan# 898

Delta R.T. -0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

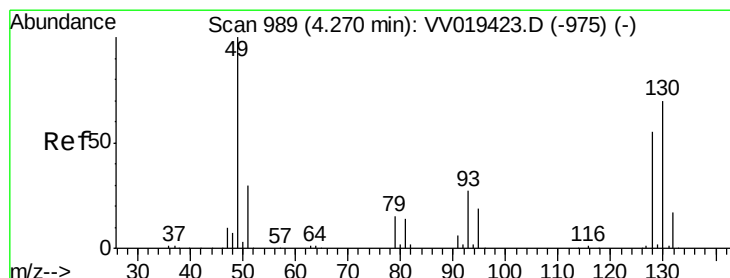
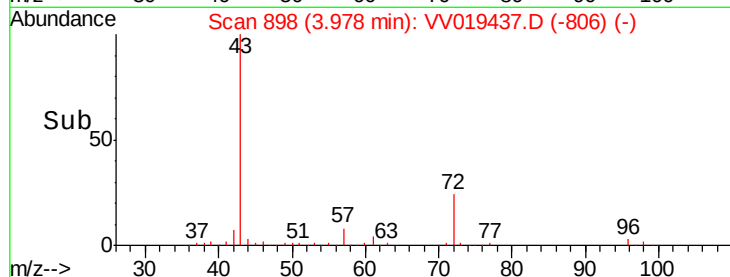
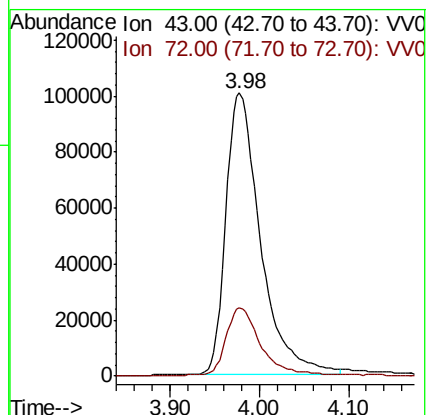
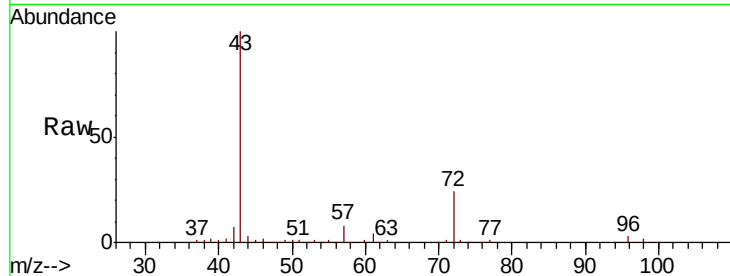
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 272386

Ion Ratio Lower Upper

43 100

72 24.9 12.7 38.1



#23

Bromochloromethane

Concen: 47.502 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

Tgt Ion: 128 Resp: 84997

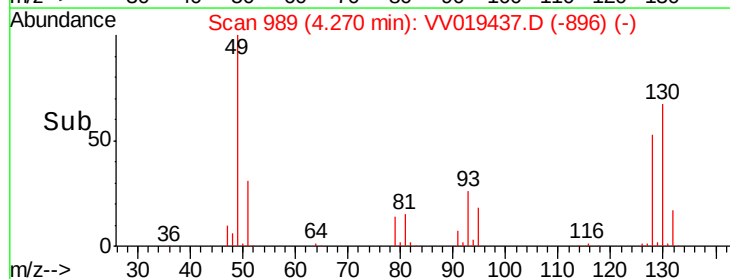
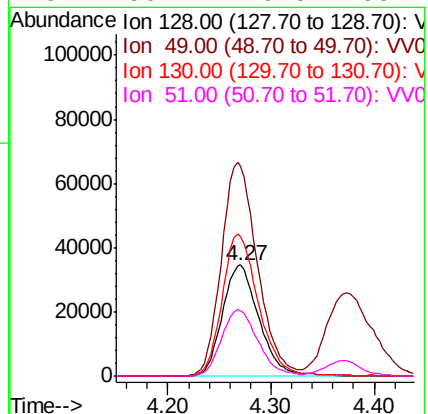
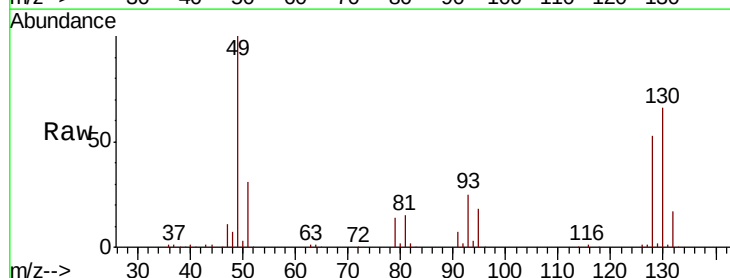
Ion Ratio Lower Upper

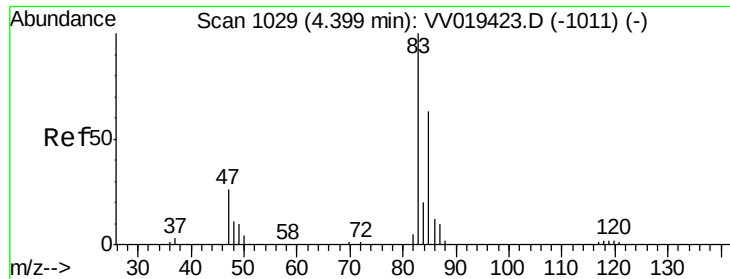
128 100

49 189.3 126.1 234.1

130 125.6 89.4 166.0

51 59.2 46.5 69.7

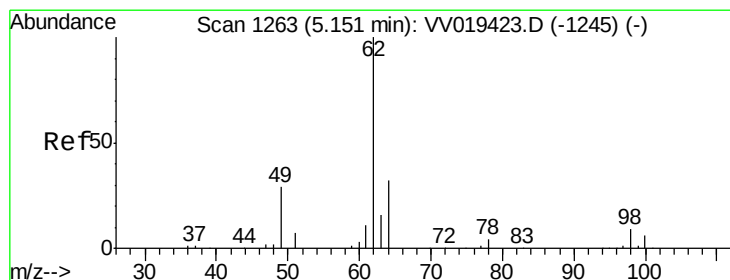
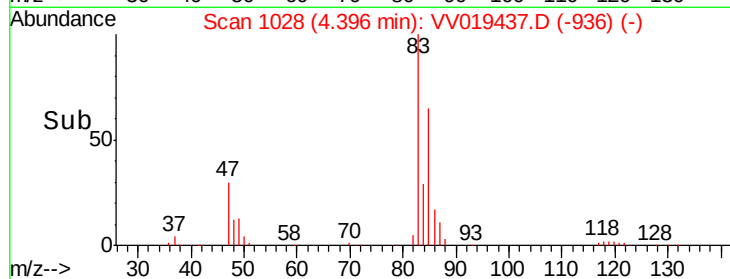
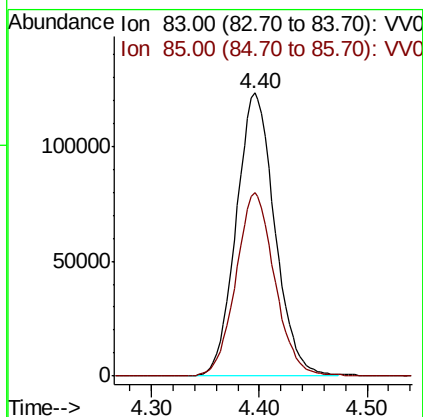
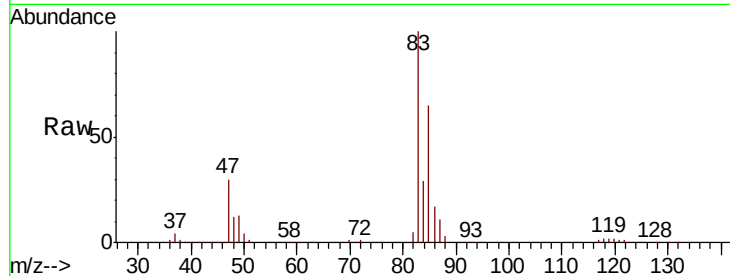




#25
Chloroform
Concen: 48.062 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV019437.D
Acq: 25 Nov 2020 09:23

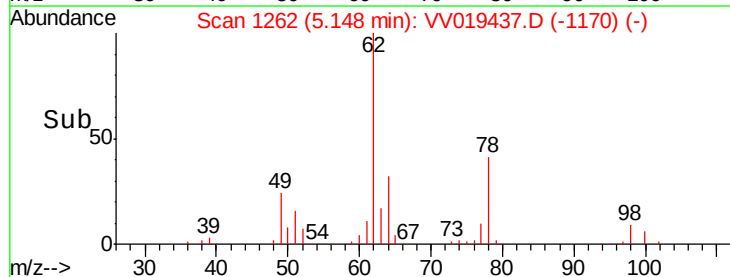
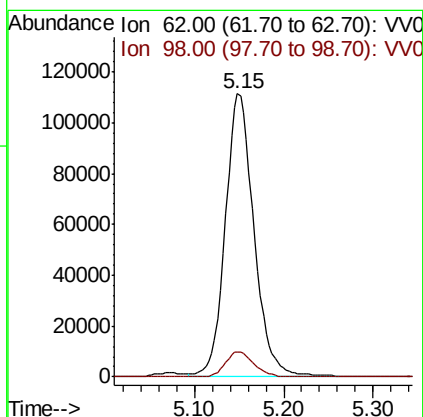
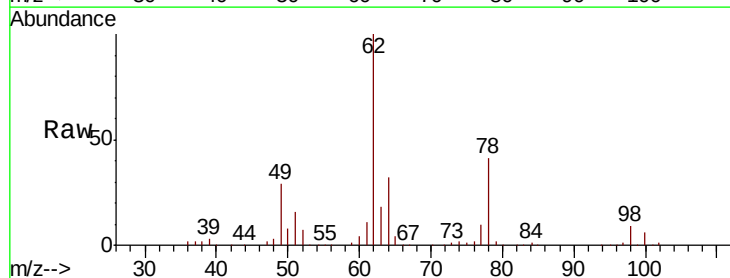
Instrument :
MSVOA_V
ClientSampled :

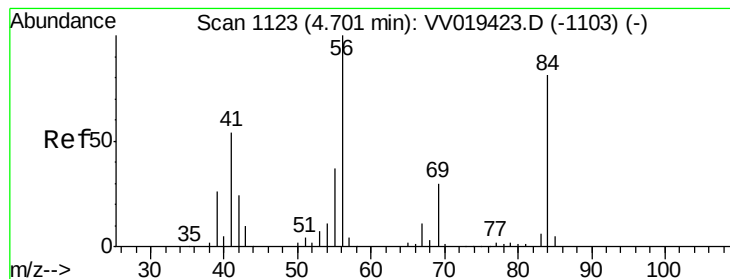
Tot Ion: 83 Resp: 306392
Ion Ratio Lower Upper
83 100
85 64.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 49.220 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV019437.D
Acq: 25 Nov 2020 09:23

Tgt Ion: 62 Resp: 246201
Ion Ratio Lower Upper
62 100
98 8.9 7.6 11.4





#29

Cyclohexane

Concen: 58.766 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

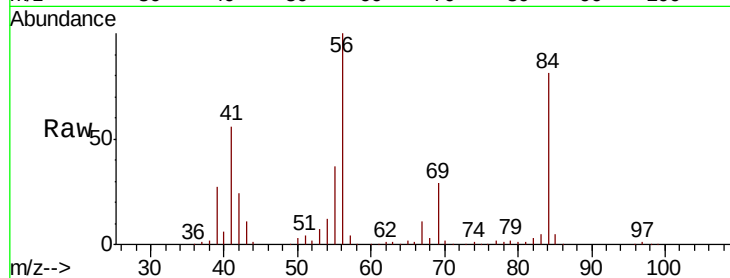
Tot Ion: 56 Resp: 261712

Ion Ratio Lower Upper

56 100

69 29.6 23.8 35.8

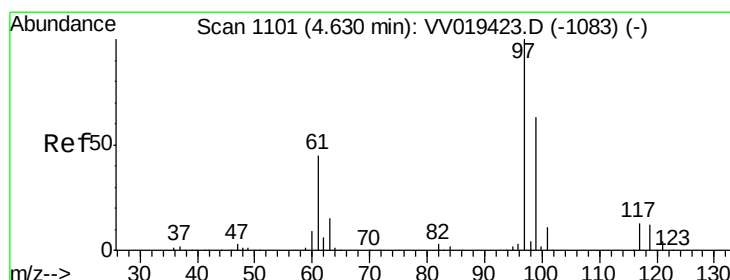
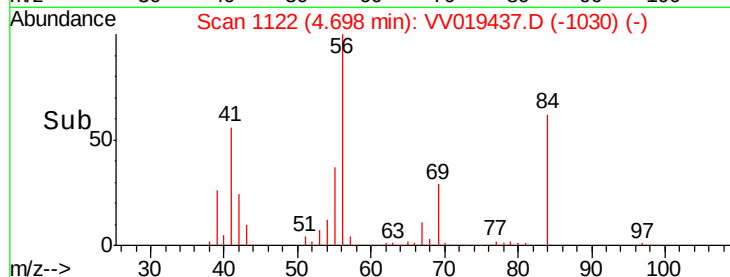
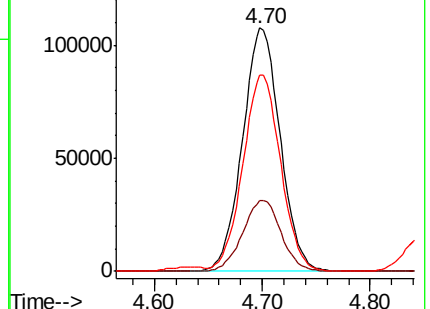
84 81.2 67.0 100.6



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 51.681 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

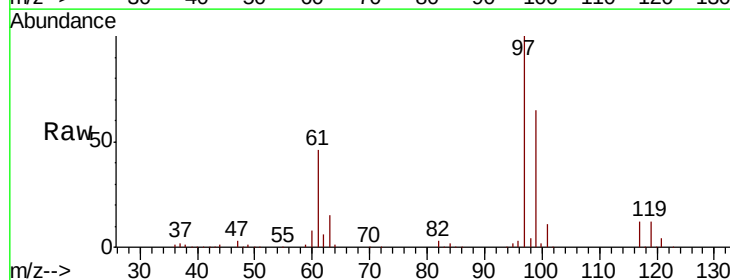
Tgt Ion: 97 Resp: 265583

Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.6

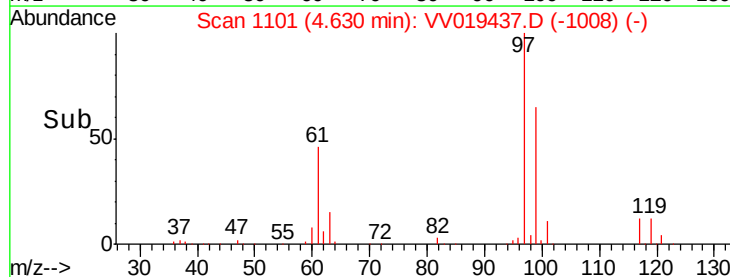
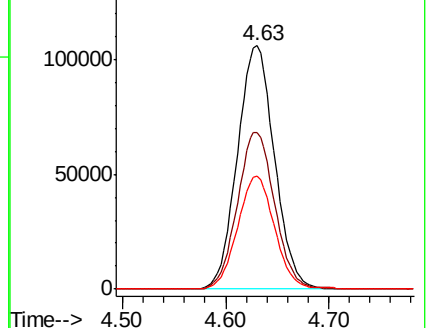
61 46.2 36.9 55.3

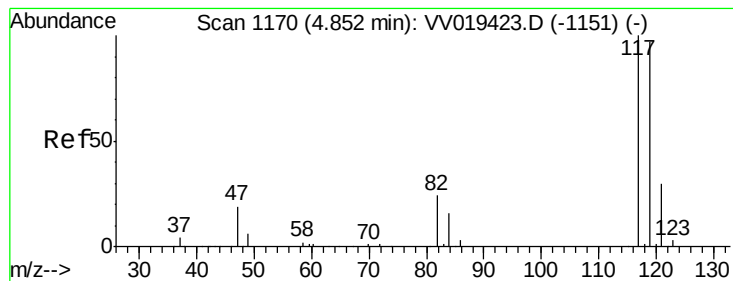


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 52.193 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

Instrument :

MSVOA_V

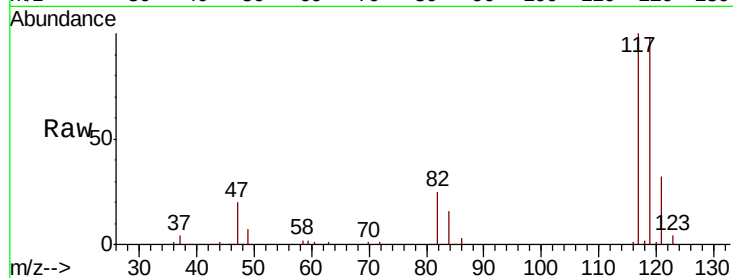
ClientSampled :

Tot Ion:117 Resp: 230261

Ion Ratio Lower Upper

117 100

119 96.8 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.85

100000

80000

60000

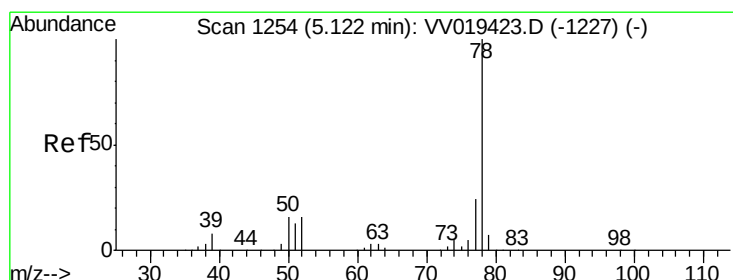
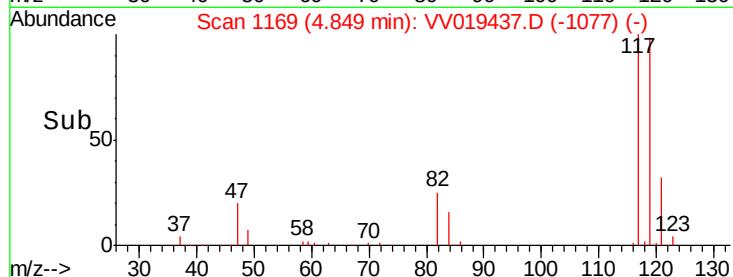
40000

20000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 51.810 ug/L

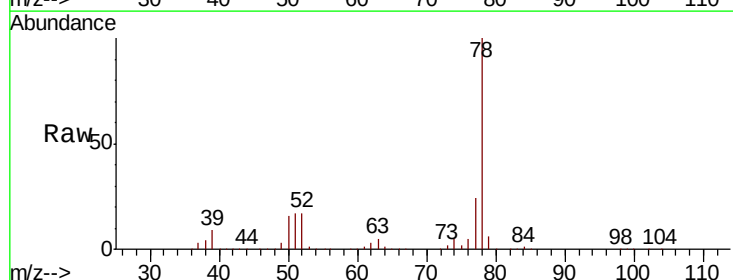
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

Tgt Ion: 78 Resp: 659641



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.12

300000

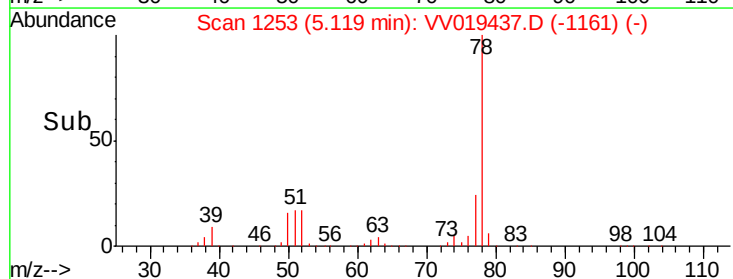
200000

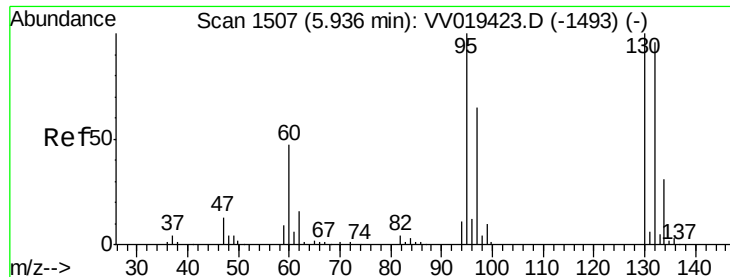
100000

0

5.00 5.10 5.20

Time-->





#34

Trichloroethene

Concen: 50.262 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 178456

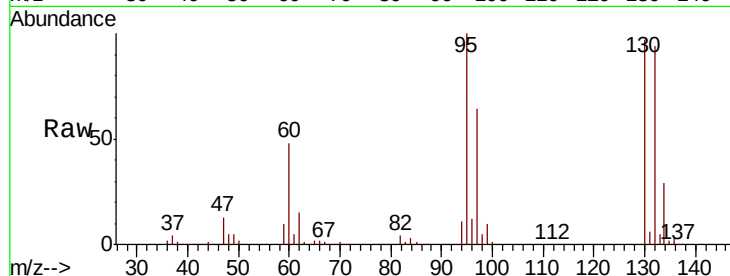
Ion Ratio Lower Upper

95 100

97 64.0 43.8 81.3

132 93.8 65.6 121.8

130 96.8 69.2 128.6

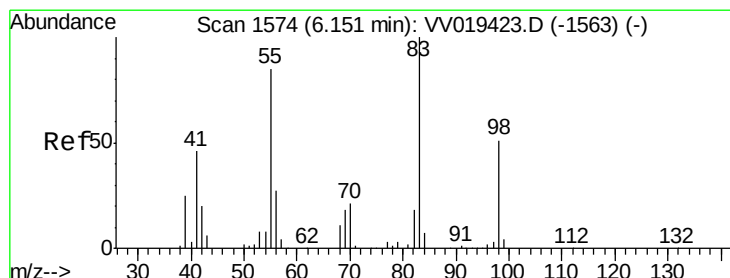
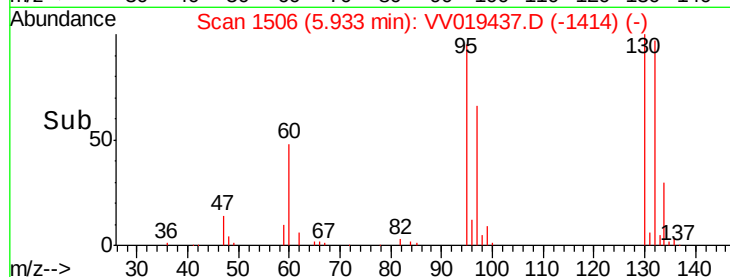
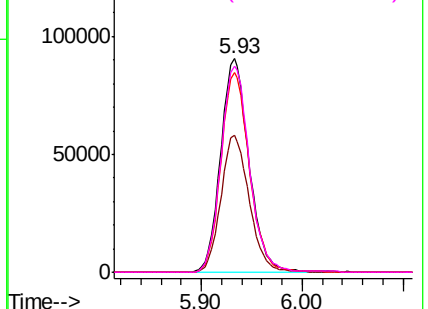


Abundance Ion 95.00 (94.70 to 95.70): VV019437.D (-1493) (-)

Ion 97.00 (96.70 to 97.70): VV019437.D (-1493) (-)

Ion 132.00 (131.70 to 132.70): VV019437.D (-1493) (-)

Ion 130.00 (129.70 to 130.70): VV019437.D (-1493) (-)



#35

Methylcyclohexane

Concen: 60.163 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

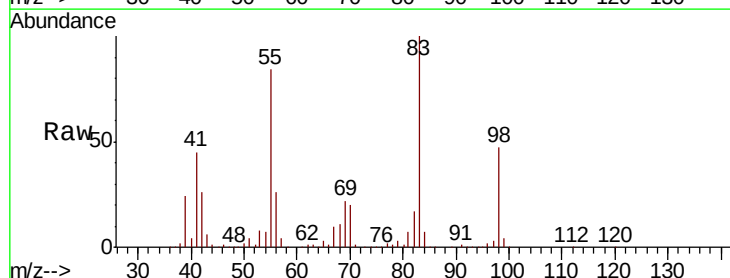
Tgt Ion: 83 Resp: 251358

Ion Ratio Lower Upper

83 100

55 84.3 67.4 101.2

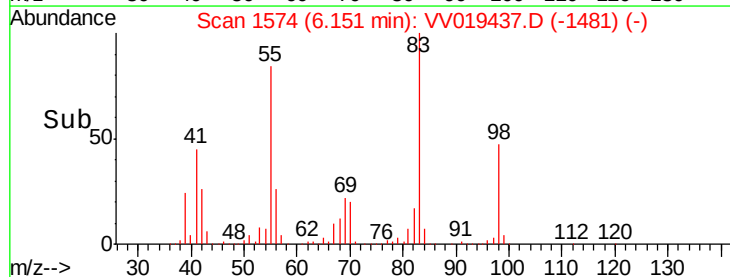
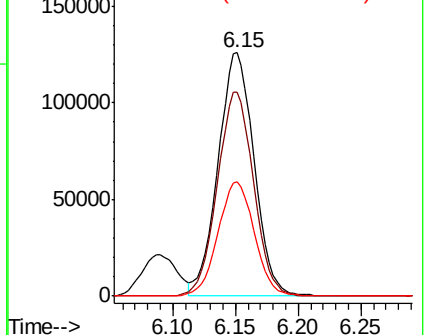
98 47.3 38.3 57.5

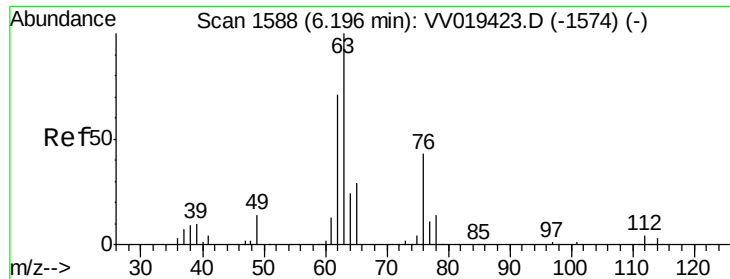


Abundance Ion 83.00 (82.70 to 83.70): VV019437.D (-1481) (-)

Ion 55.00 (54.70 to 55.70): VV019437.D (-1481) (-)

Ion 98.00 (97.70 to 98.70): VV019437.D (-1481) (-)

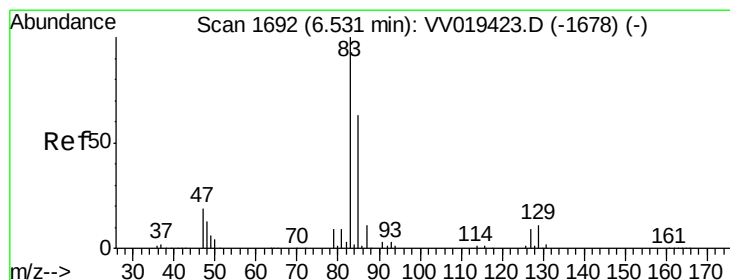
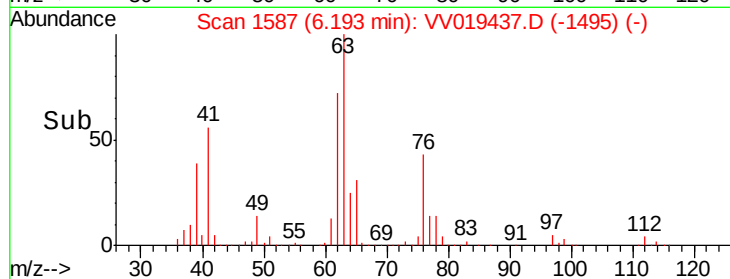
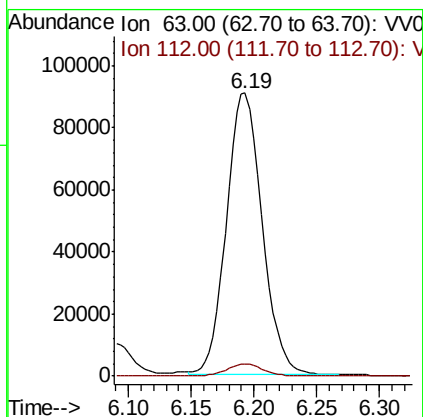
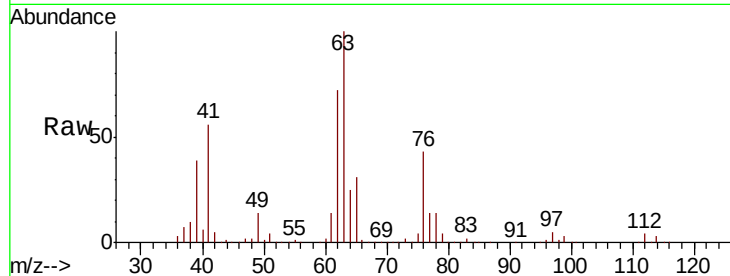




#37
 1,2-Dichloropropane
 Concen: 51.363 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV019437.D
 Acq: 25 Nov 2020 09:23

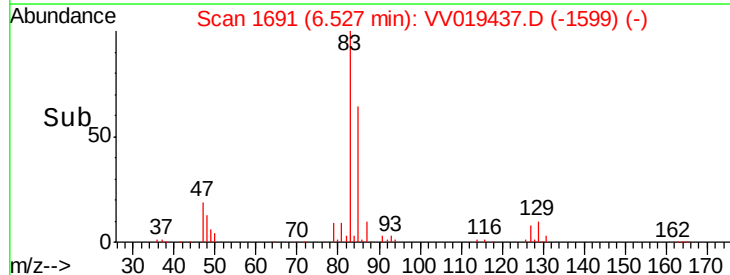
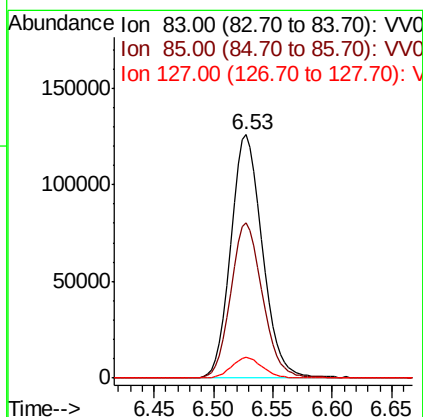
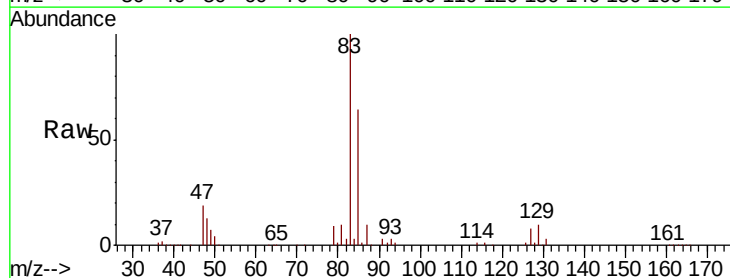
Instrument :
 MSVOA_V
 ClientSampled :

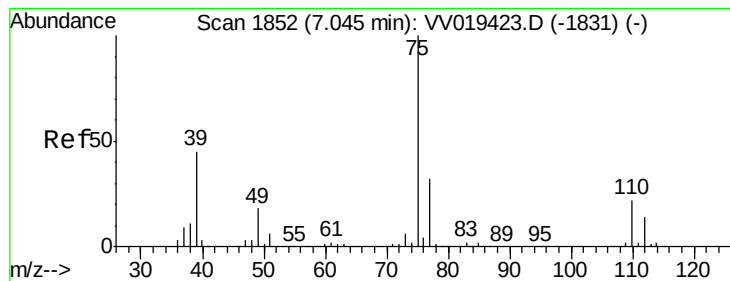
Tot Ion: 63 Resp: 180374
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.6



#38
 Bromodichloromethane
 Concen: 49.909 ug/L
 RT: 6.53 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VV019437.D
 Acq: 25 Nov 2020 09:23

Tgt Ion: 83 Resp: 232372
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.3 84.1
 127 8.4 6.6 9.8



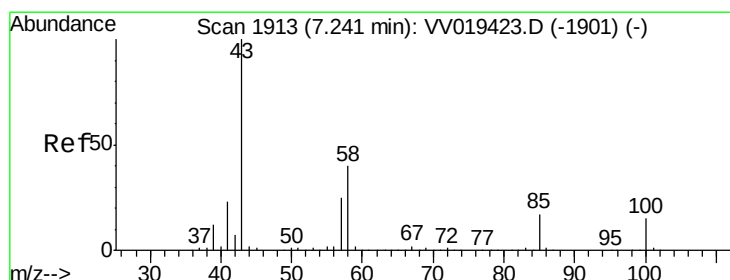
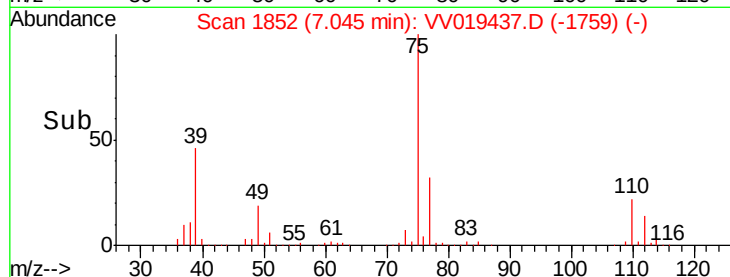
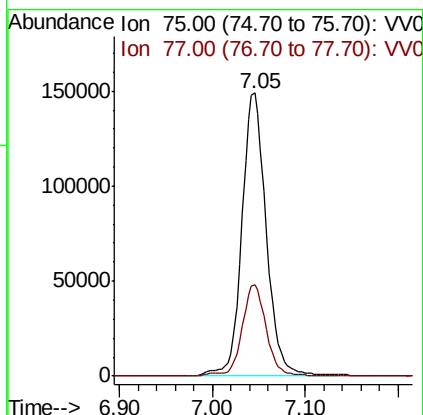
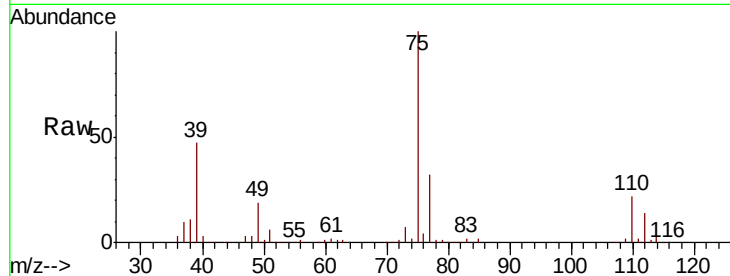


#39

cis-1,3-Dichloropropene
 Concen: 52.449 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV019437.D
 Acq: 25 Nov 2020 09:23

Instrument :
 MSVOA_V
 ClientSampleId :

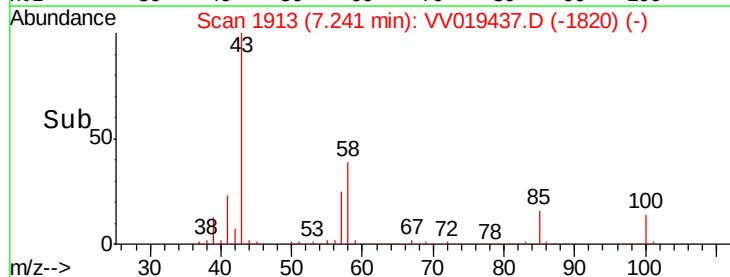
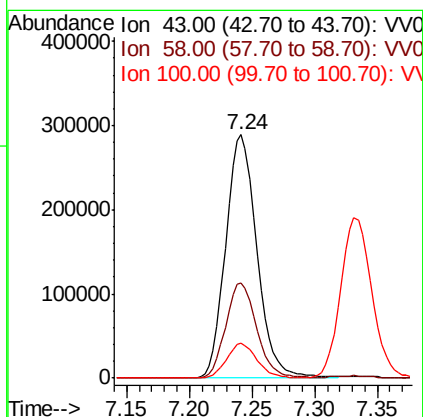
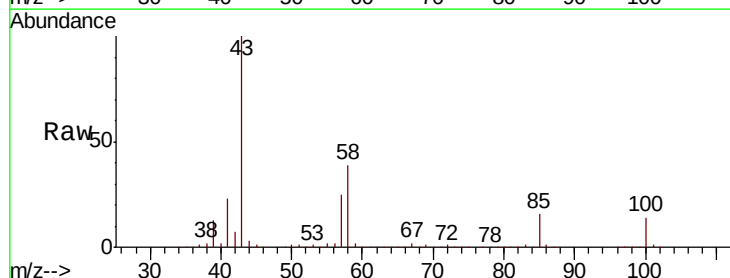
Tot Ion: 75 Resp: 272069
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.5 41.7

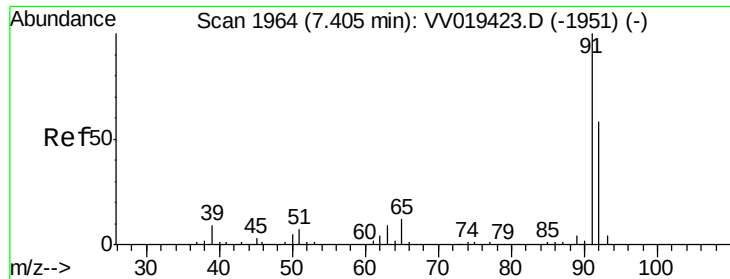


#40

4-Methyl-2-pentanone
 Concen: 100.809 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VV019437.D
 Acq: 25 Nov 2020 09:23

Tgt Ion: 43 Resp: 499189
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.0 46.4
 100 14.0 11.7 17.5





#42

Toluene

Concen: 52.522 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

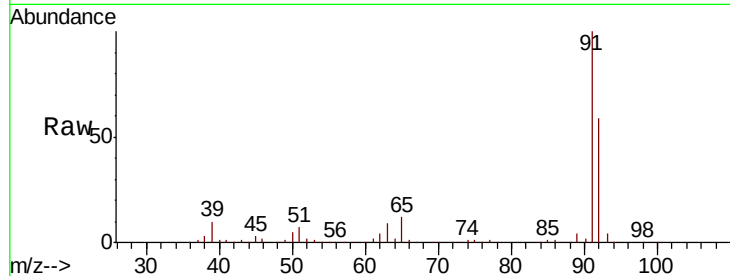
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 693684

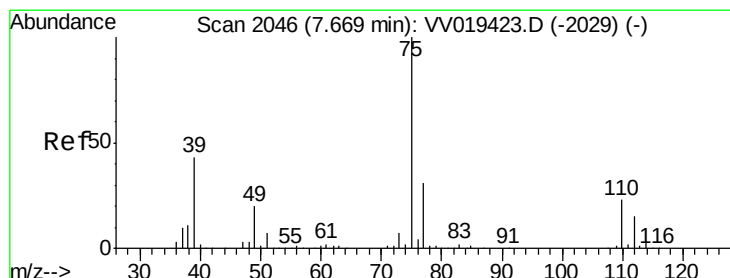
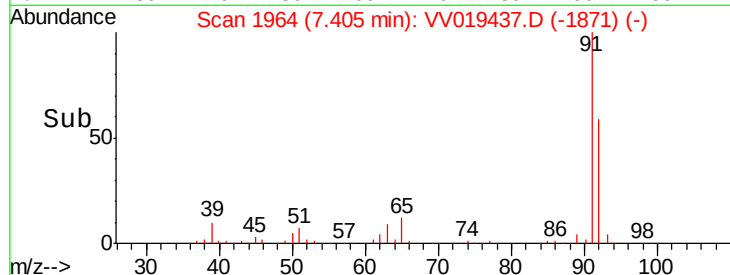
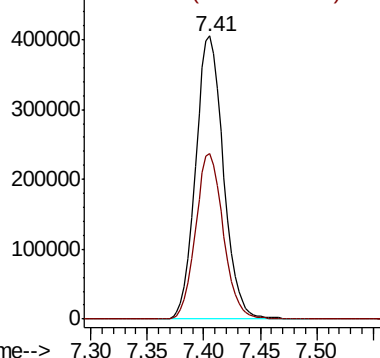
Ion Ratio Lower Upper

91 100

92 58.6 40.0 74.4



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: 52.733 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VV019437.D

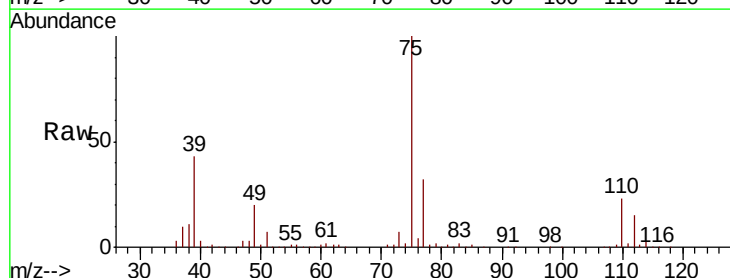
Acq: 25 Nov 2020 09:23

Tgt Ion: 75 Resp: 272470

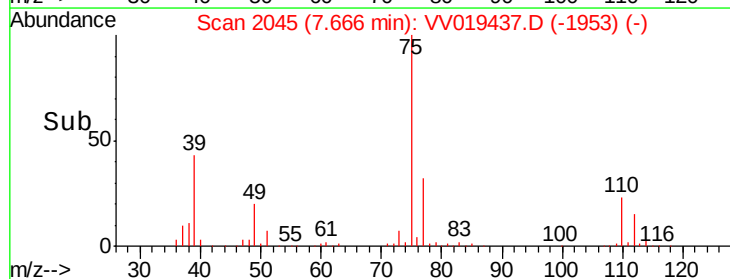
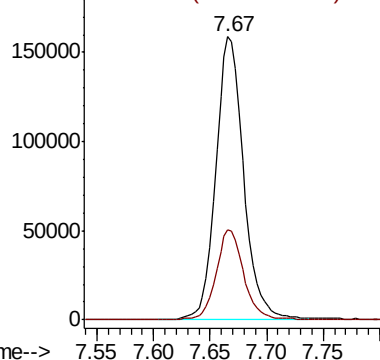
Ion Ratio Lower Upper

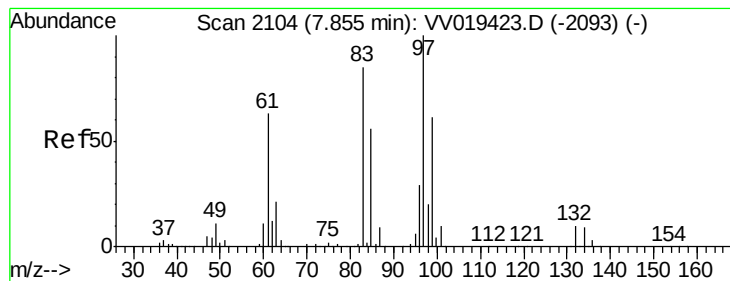
75 100

77 32.0 22.8 42.4



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: 49.038 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 161257

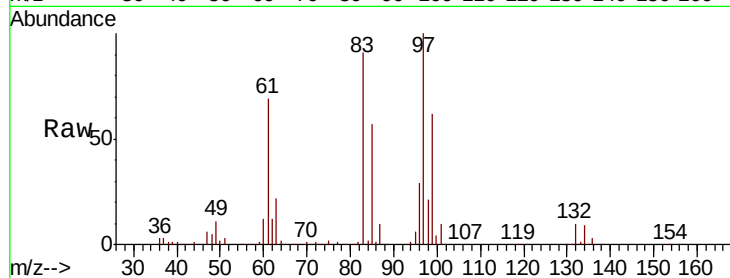
Ion Ratio Lower Upper

97 100

99 62.3 43.7 81.1

83 91.1 62.0 115.2

85 56.9 40.0 74.4



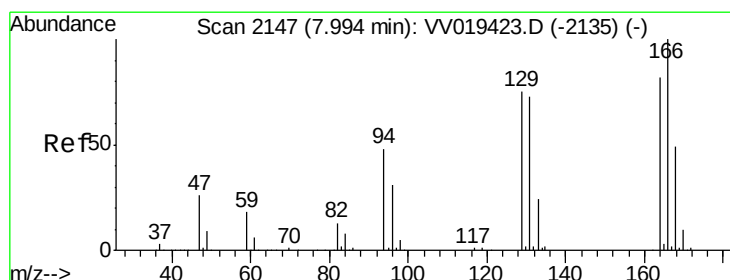
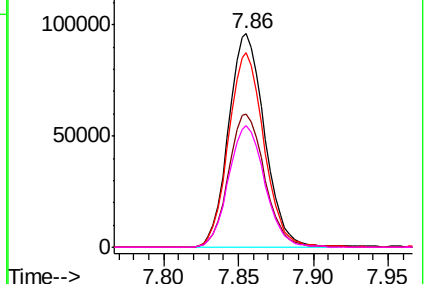
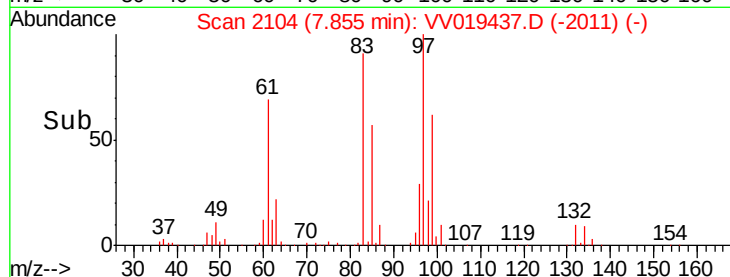
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 52.124 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

Tgt Ion: 164 Resp: 128531

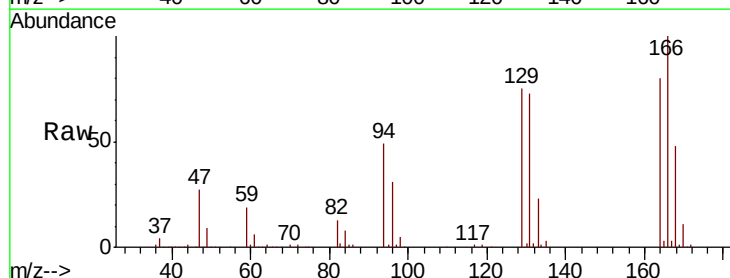
Ion Ratio Lower Upper

164 100

129 93.7 62.9 116.7

131 92.2 61.1 113.5

166 125.7 86.5 160.6



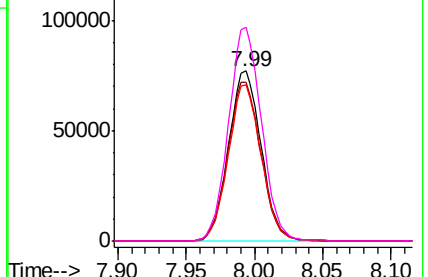
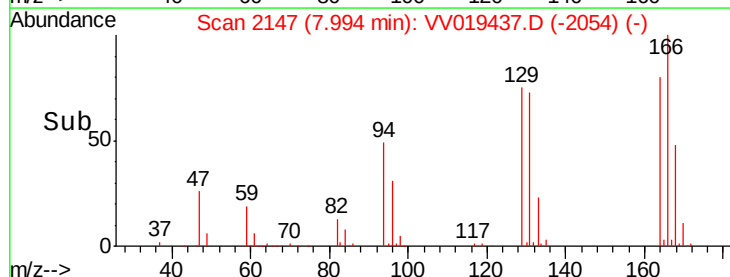
Abundance

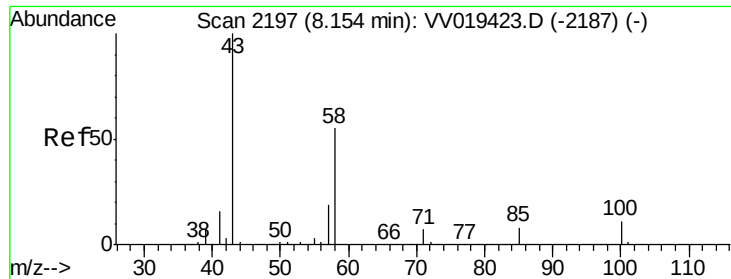
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

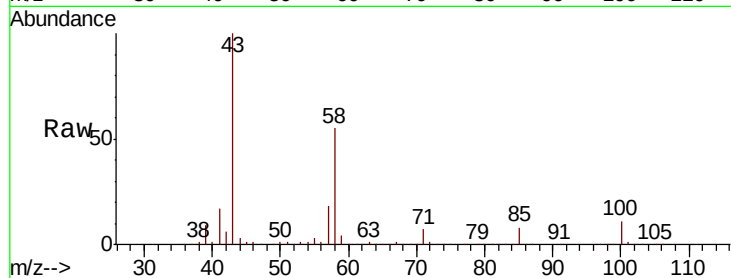




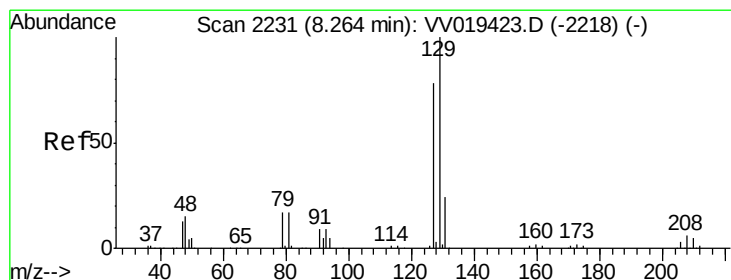
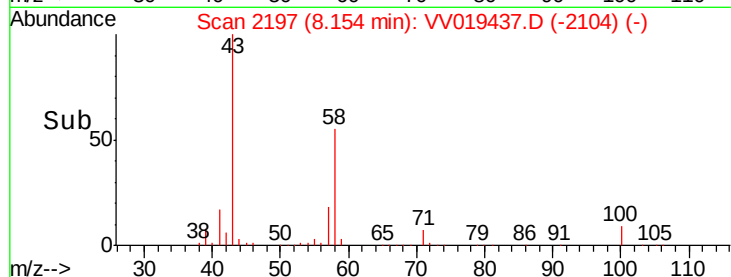
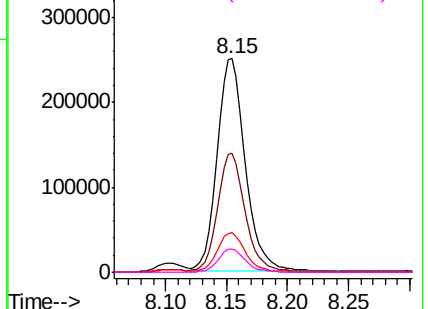
#48
2-Hexanone
Concen: 103.965 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV019437.D
Acq: 25 Nov 2020 09:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 407746
Ion Ratio Lower Upper
43 100
58 54.1 43.8 65.6
57 18.4 15.4 23.2
100 10.8 9.0 13.6

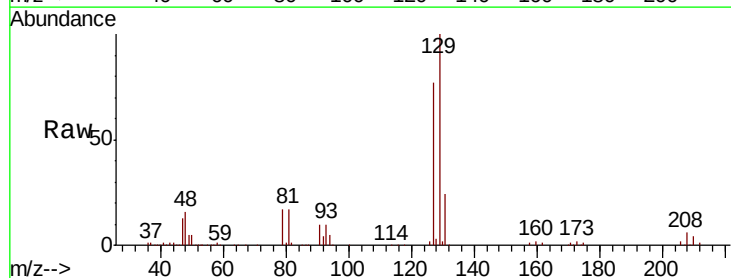


Abundance Ion 43.00 (42.70 to 43.70): VV019437.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV019437.D (-2197) (-)
Ion 57.00 (56.70 to 57.70): VV019437.D (-2197) (-)
Ion 100.00 (99.70 to 100.70): VV019437.D (-2197) (-)

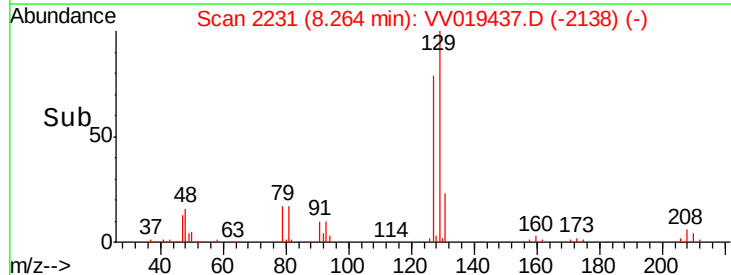
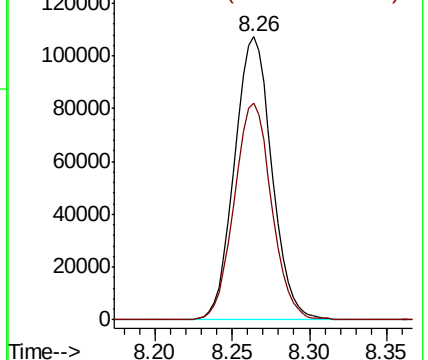


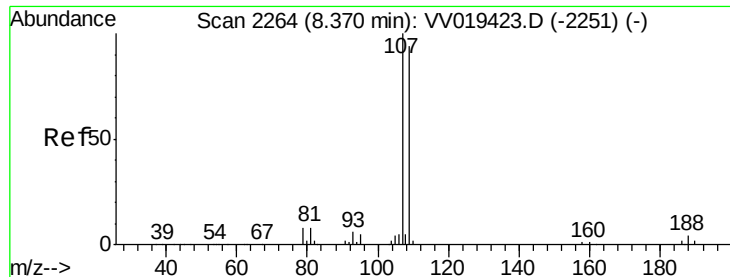
#49
Dibromochloromethane
Concen: 49.513 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VV019437.D
Acq: 25 Nov 2020 09:23

Tgt Ion: 129 Resp: 179949
Ion Ratio Lower Upper
129 100
127 76.7 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): VV019437.D (-2231) (-)
Ion 127.00 (126.70 to 127.70): VV019437.D (-2231) (-)

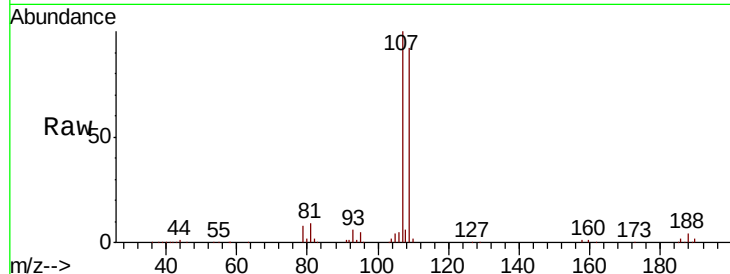




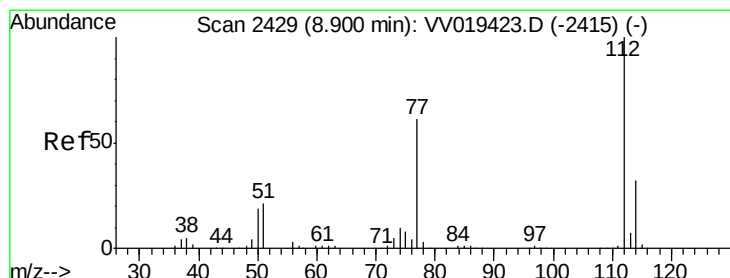
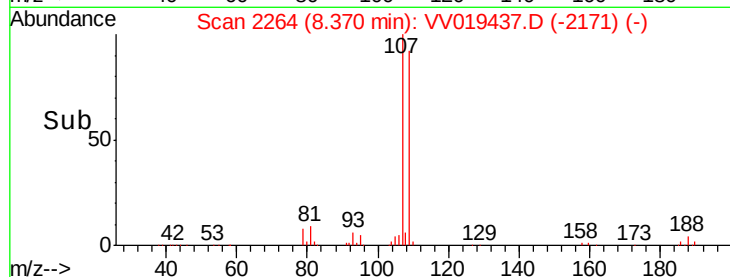
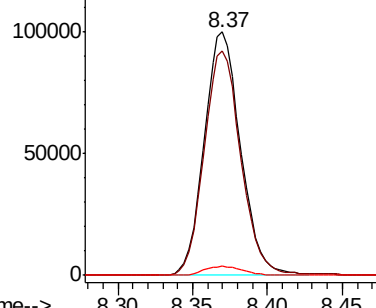
#50
1,2-Dibromoethane
Concen: 48.465 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VV019437.D
Acq: 25 Nov 2020 09:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	66.1	122.8
188	3.6	3.0	4.4

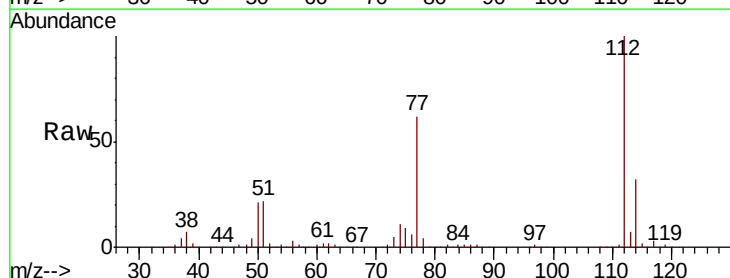


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

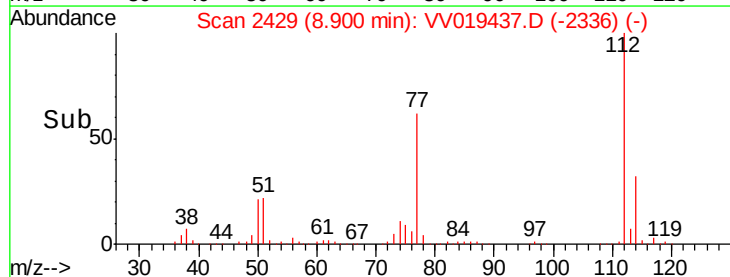
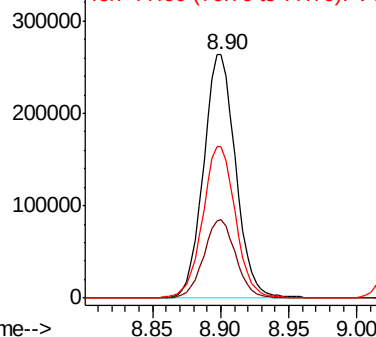


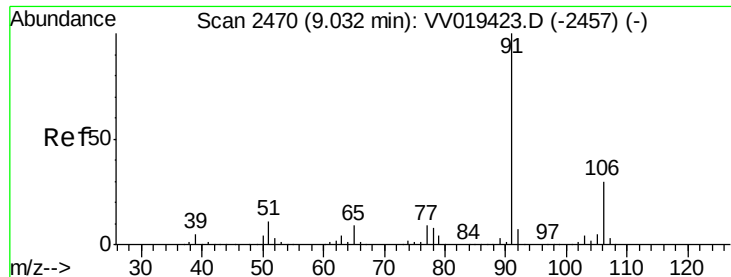
#51
Chlorobenzene
Concen: 49.511 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019437.D
Acq: 25 Nov 2020 09:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.7	42.1
77	62.1	50.3	75.5



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 53.586 ug/L

RT: 9.03 min Scan# 2469

Delta R.T. -0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

Instrument :

MSVOA_V

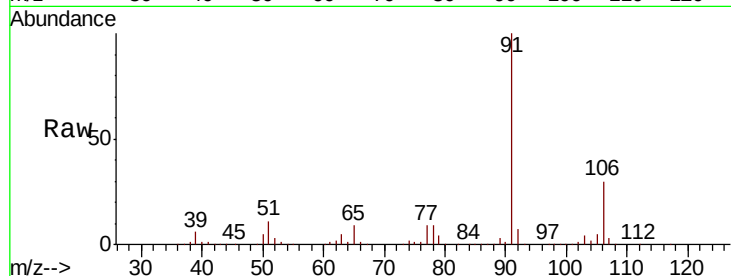
ClientSampled :

Tot Ion: 91 Resp: 759502

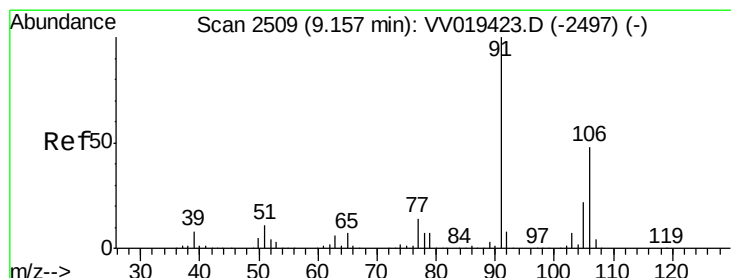
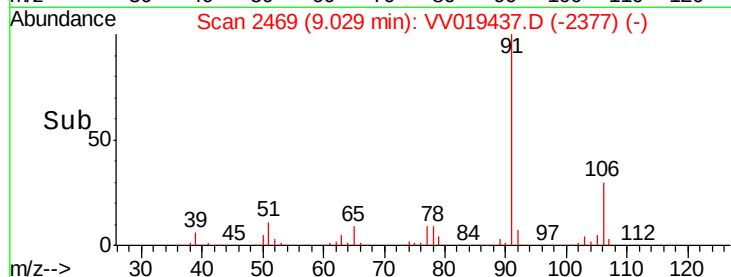
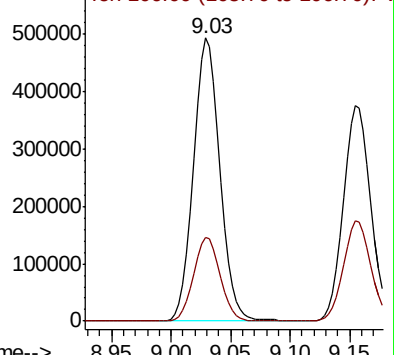
Ion Ratio Lower Upper

91 100

106 29.7 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV019423.D (-2457) (-)



#53

m,p-Xylene

Concen: 53.224 ug/L

RT: 9.15 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VV019437.D

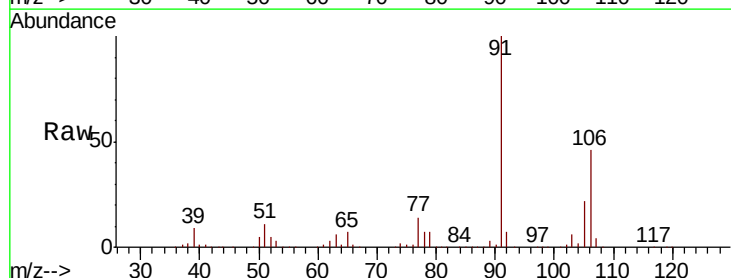
Acq: 25 Nov 2020 09:23

Tgt Ion: 106 Resp: 279119

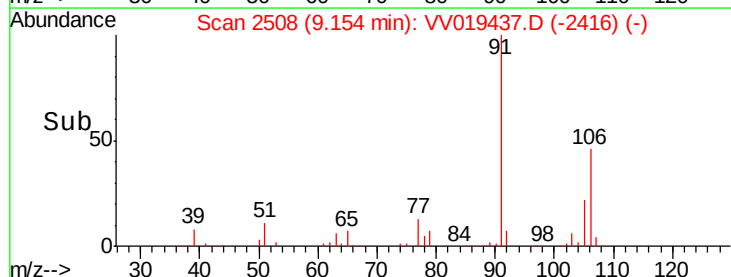
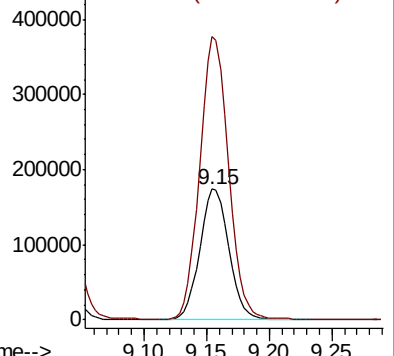
Ion Ratio Lower Upper

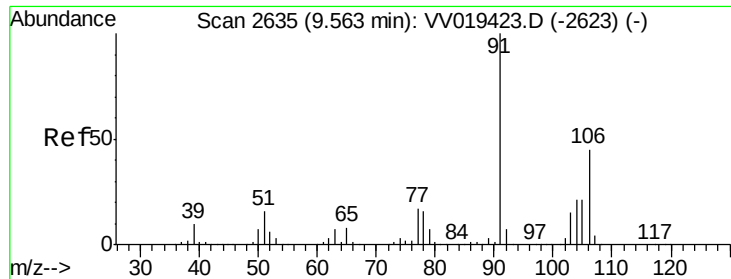
106 100

91 216.1 148.7 276.3



Abundance Ion 106.00 (105.70 to 106.70): VV019423.D (-2497) (-)





#54

o-xylene

Concen: 52.743 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

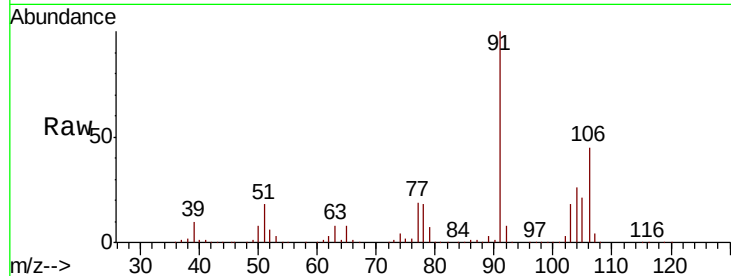
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 269317

Ion Ratio Lower Upper

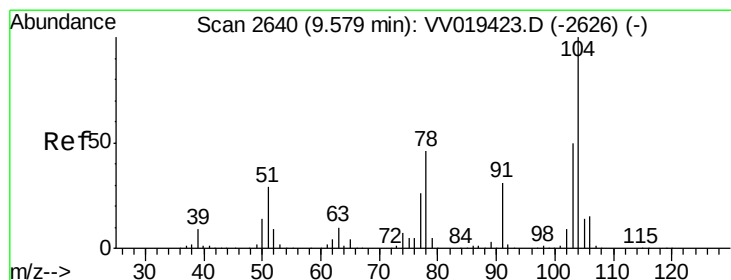
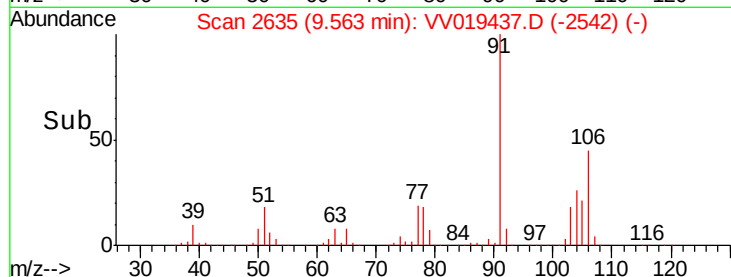
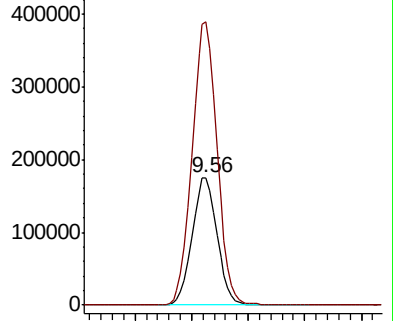
106 100

91 222.0 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 54.785 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019437.D

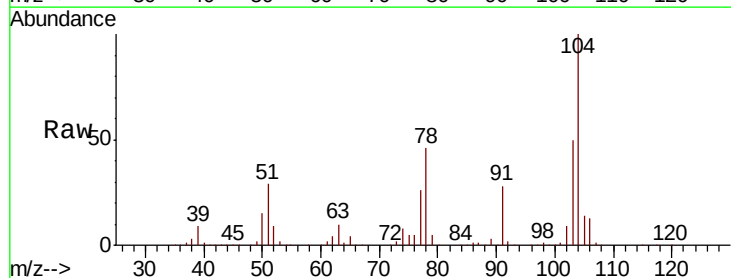
Acq: 25 Nov 2020 09:23

Tgt Ion:104 Resp: 500775

Ion Ratio Lower Upper

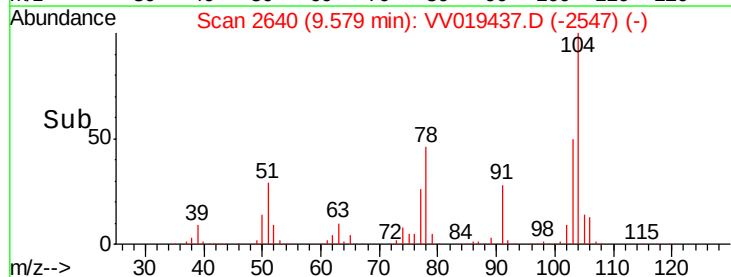
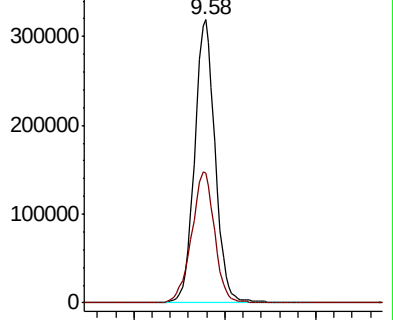
104 100

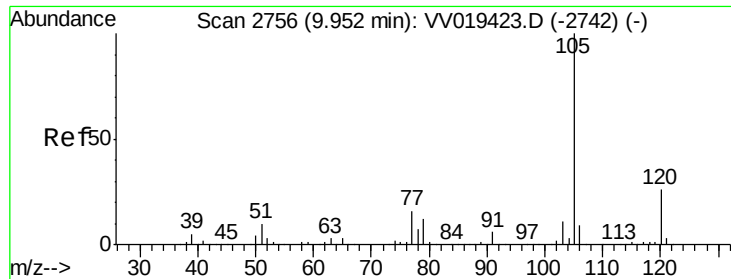
78 46.1 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 54.542 ug/L

RT: 9.95 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

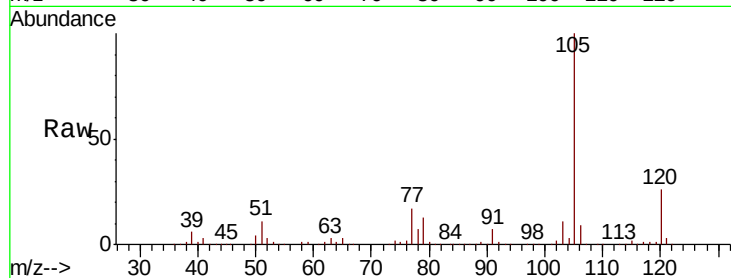
Tot Ion:105 Resp: 729657

Ion Ratio Lower Upper

105 100

120 25.5 20.8 31.2

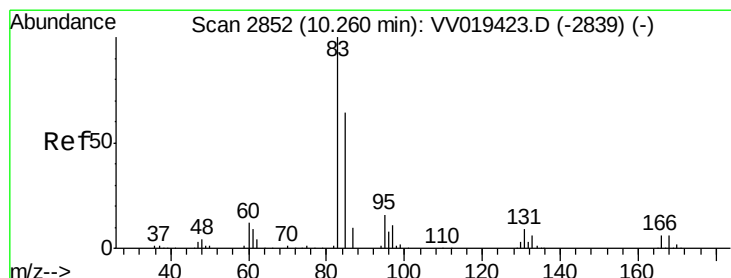
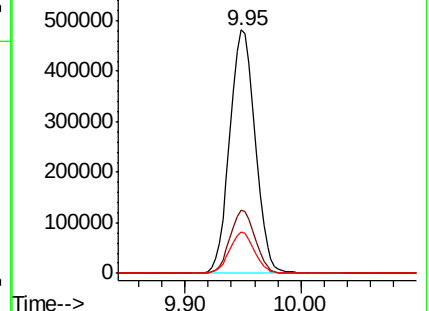
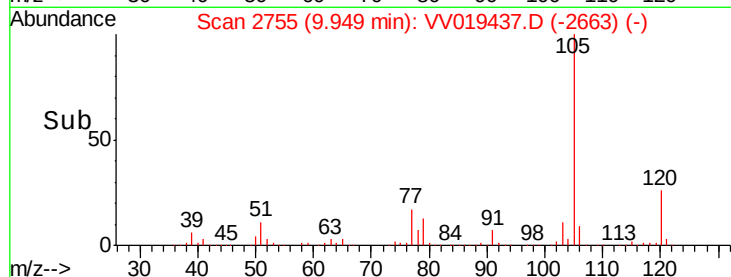
77 16.6 13.1 19.7



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: 48.668 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

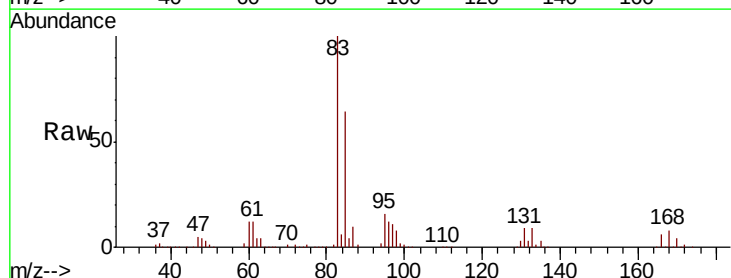
Tgt Ion: 83 Resp: 244626

Ion Ratio Lower Upper

83 100

85 64.4 44.8 83.2

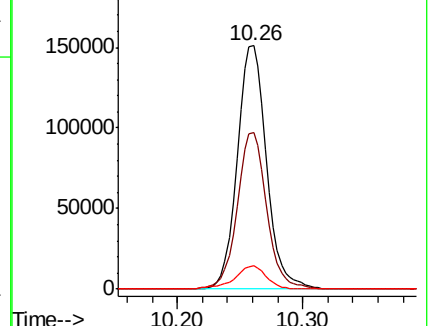
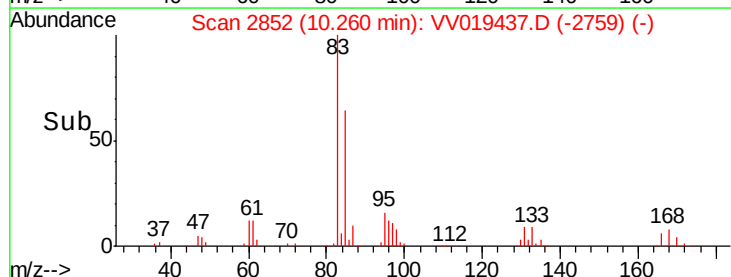
131 9.4 7.2 10.8

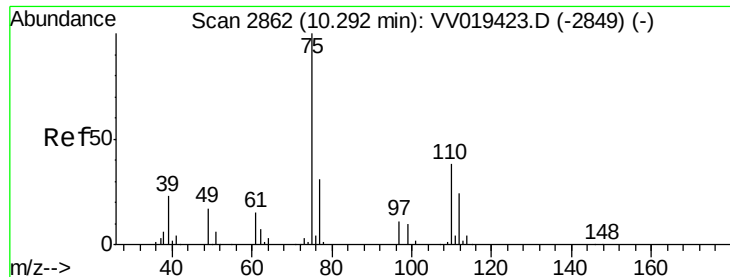


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.133 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

Instrument :

MSVOA_V

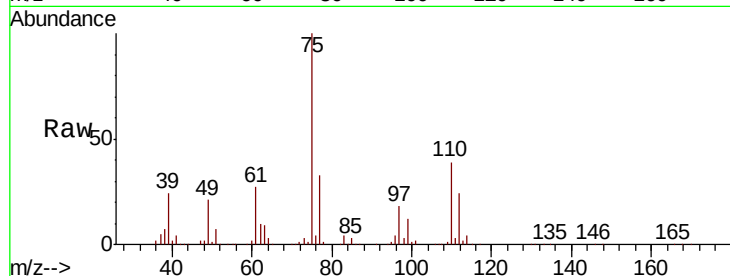
ClientSampleId :

Tot Ion: 75 Resp: 217423

Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VV019423.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV019423.D (-2849) (-)

10.29

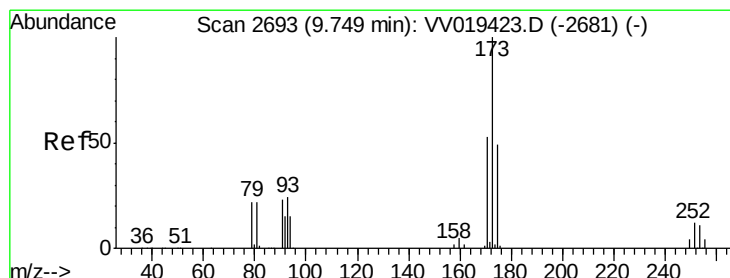
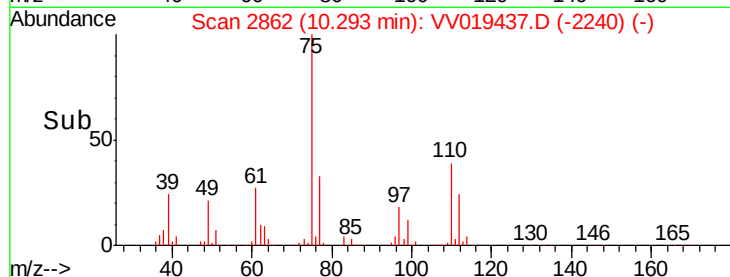
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 47.392 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

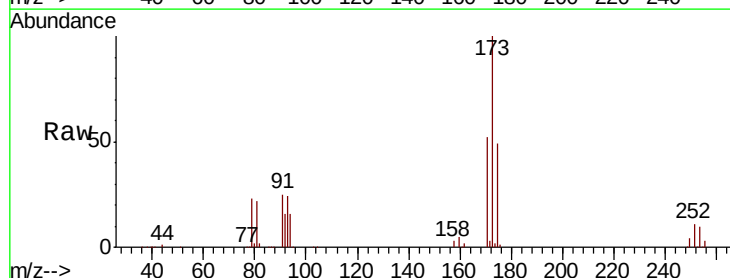
Tgt Ion: 173 Resp: 130594

Ion Ratio Lower Upper

173 100

175 48.2 38.8 58.2

254 10.4 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): VV019423.D (-2681) (-)

Ion 175.00 (174.70 to 175.70): VV019423.D (-2681) (-)

Ion 254.00 (253.70 to 254.70): VV019423.D (-2681) (-)

9.75

100000

80000

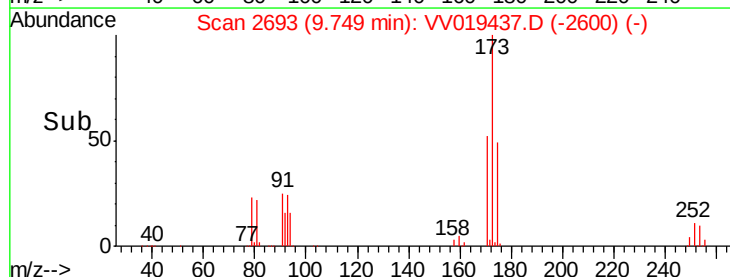
60000

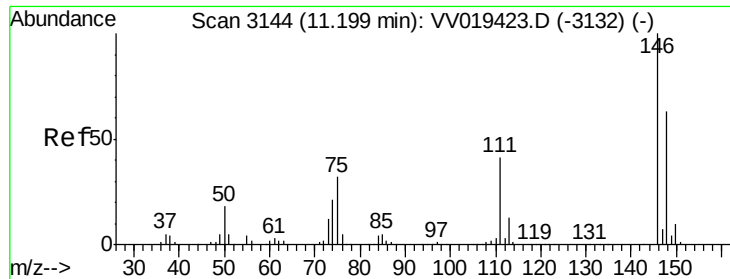
40000

20000

0

Time--> 9.65 9.70 9.75 9.80 9.85

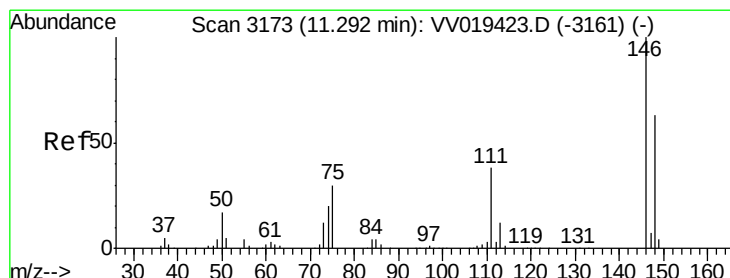
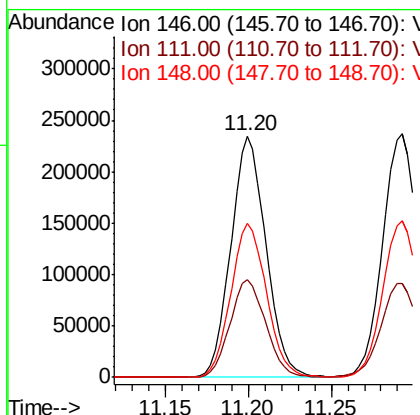
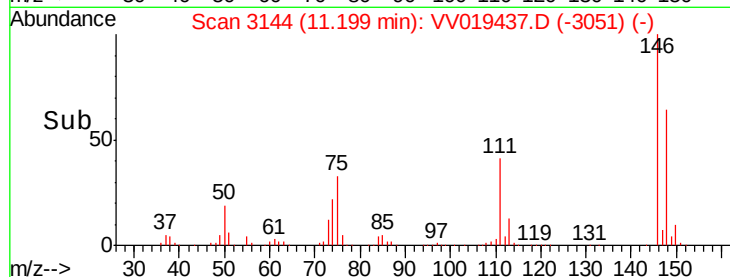
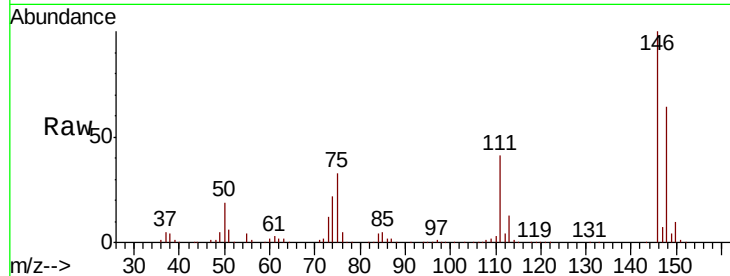




#62
 1,3-Dichlorobenzene
 Concen: 49.396 ug/L
 RT: 11.20 min Scan# 3144
 Delta R.T. 0.00 min
 Lab File: VV019437.D
 Acq: 25 Nov 2020 09:23

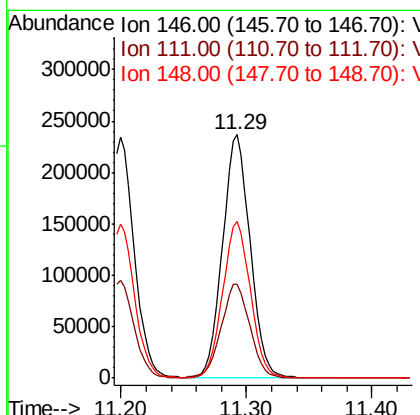
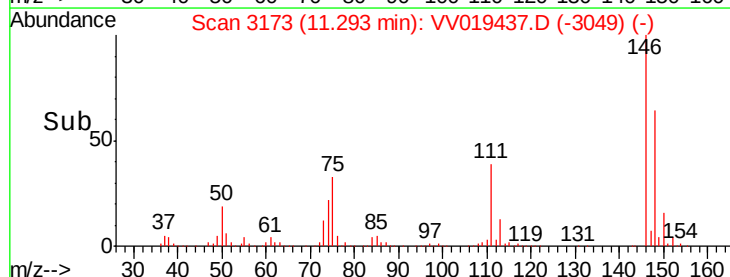
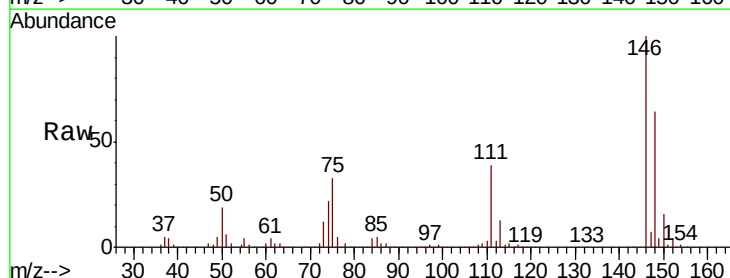
Instrument :
 MSVOA_V
 ClientSampleId :

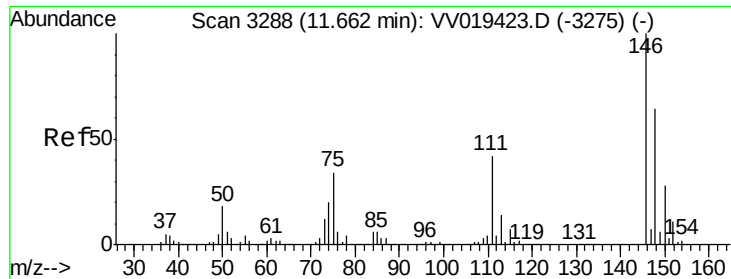
Tot Ion:146 Resp: 346376
 Ion Ratio Lower Upper
 146 100
 111 40.7 27.9 51.7
 148 63.7 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 48.973 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019437.D
 Acq: 25 Nov 2020 09:23

Tgt Ion:146 Resp: 360944
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.7 49.7
 148 64.4 45.2 84.0

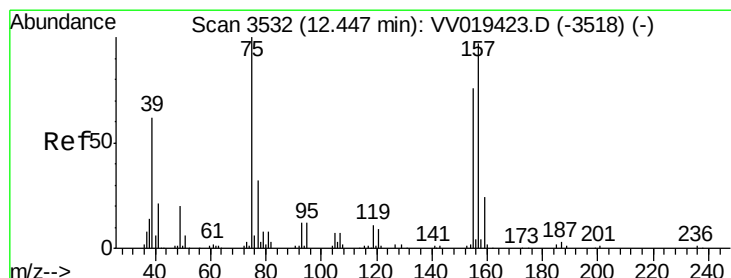
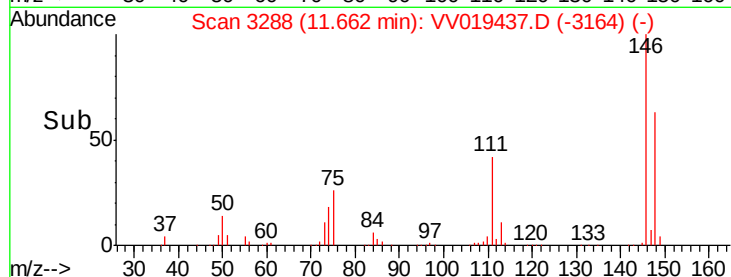
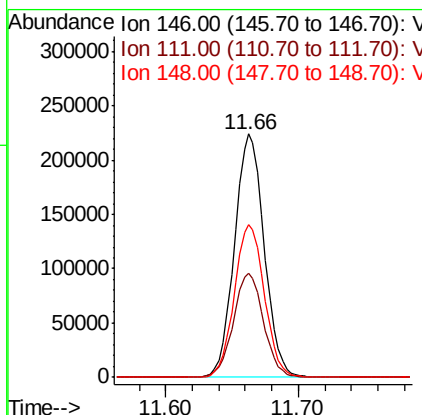
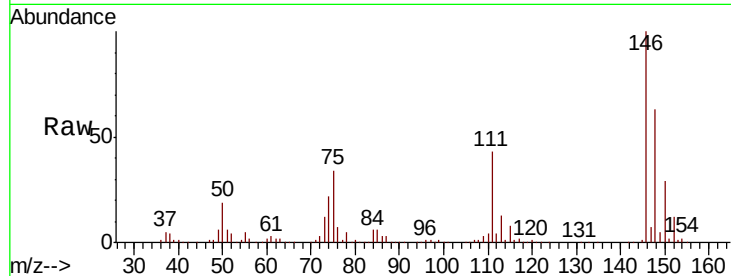




#65
 1,2-Dichlorobenzene
 Concen: 48.305 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. 0.00 min
 Lab File: VV019437.D
 Acq: 25 Nov 2020 09:23

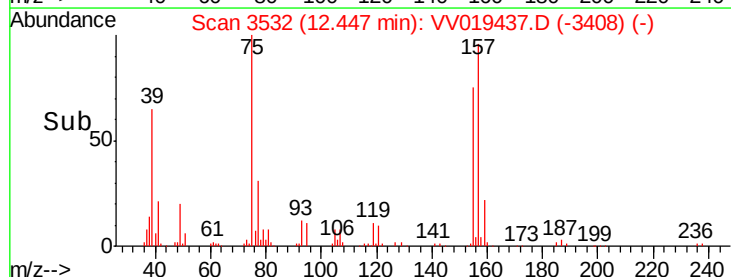
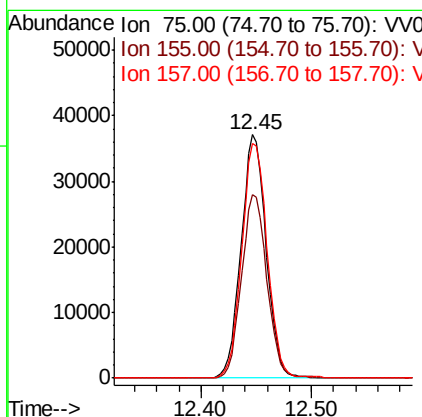
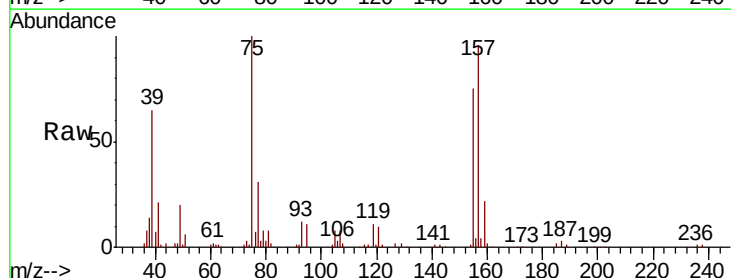
Instrument :
 MSVOA_V
 ClientSampleId :

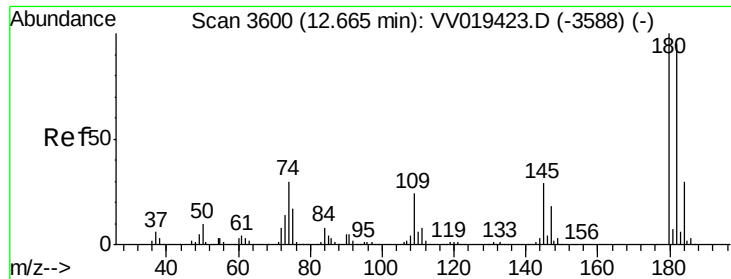
Tot Ion:146 Resp: 347755
 Ion Ratio Lower Upper
 146 100
 111 42.8 33.8 50.8
 148 63.0 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.730 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. 0.00 min
 Lab File: VV019437.D
 Acq: 25 Nov 2020 09:23

Tgt Ion: 75 Resp: 58214
 Ion Ratio Lower Upper
 75 100
 155 75.5 64.5 96.7
 157 96.4 84.2 126.2

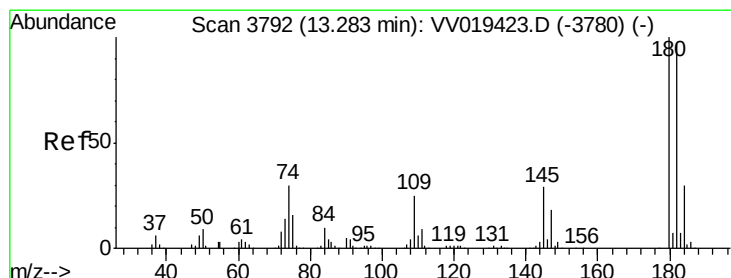
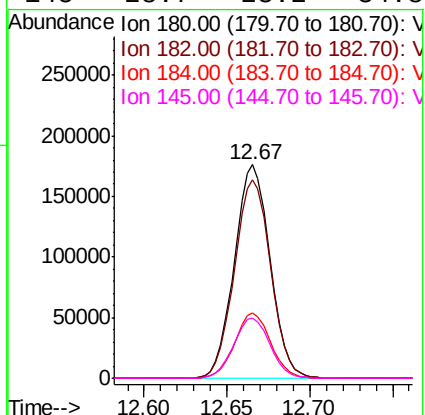
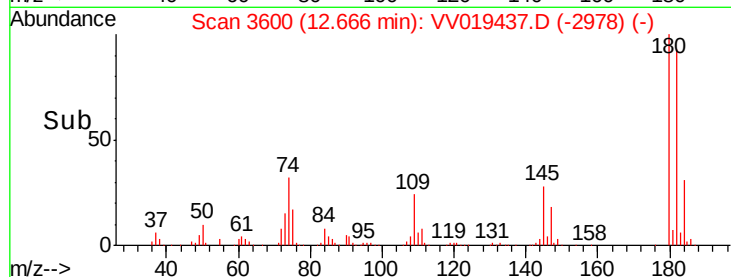
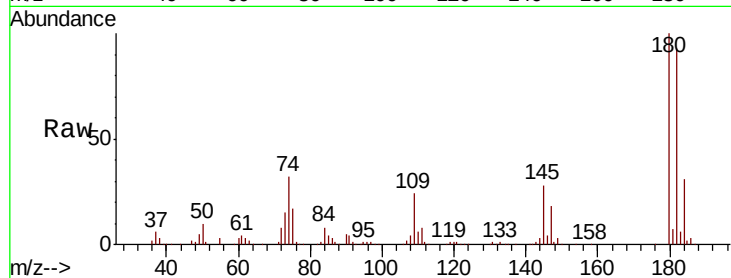




#67
 1,3,5-Trichlorobenzene
 Concen: 51.772 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019437.D
 Acq: 25 Nov 2020 09:23

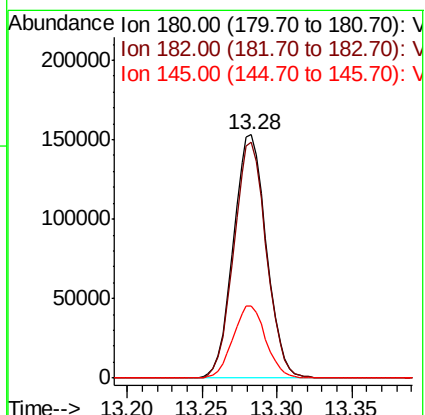
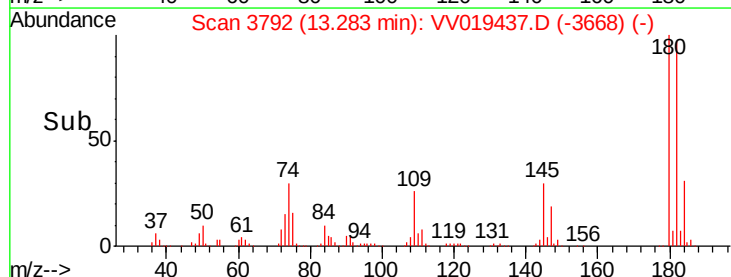
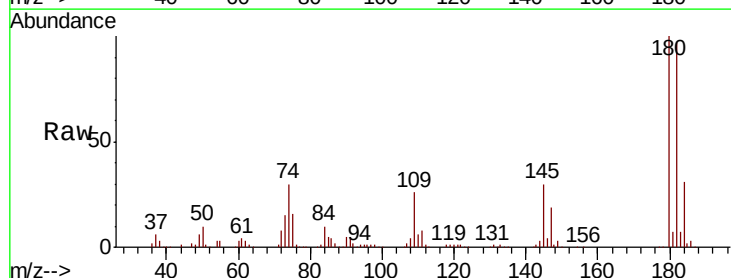
Instrument :
 MSVOA_V
 ClientSampleId :

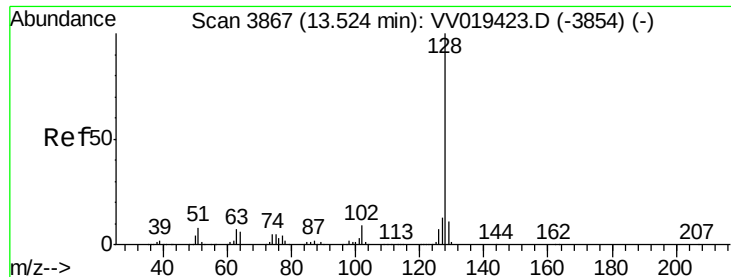
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.0	115.4
184	30.7	24.2	36.2
145	28.7	23.2	34.8



#68
 1,2,4-trichlorobenzene
 Concen: 52.033 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019437.D
 Acq: 25 Nov 2020 09:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.3	114.5
145	29.6	23.4	35.2





#69

Naphthalene

Concen: 49.202 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

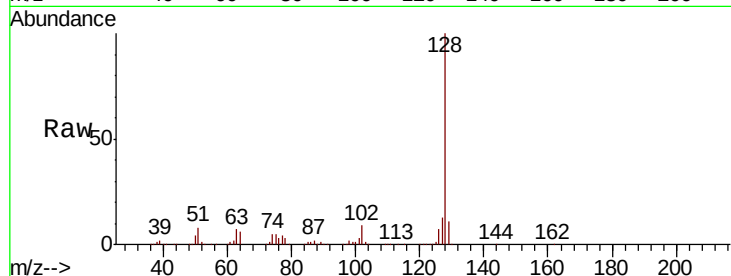
Tot Ion:128 Resp: 565414

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

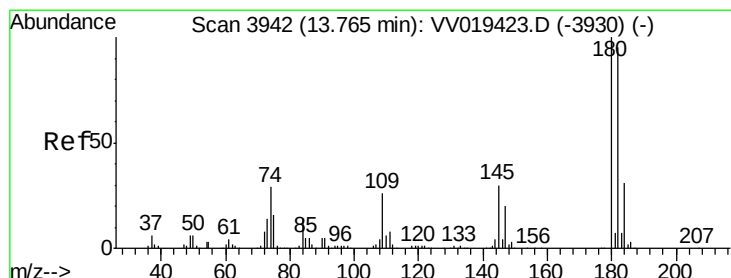
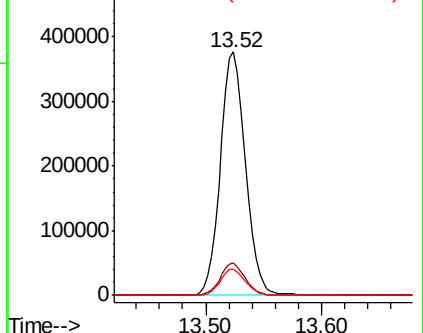
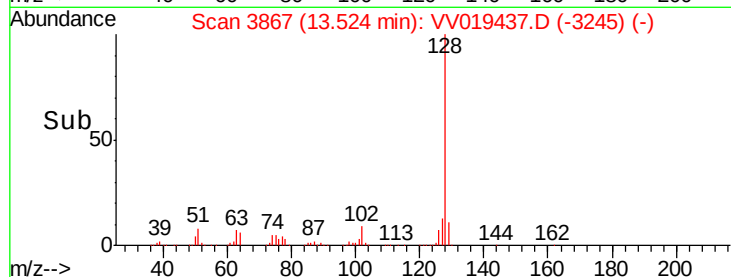
129 10.8 8.6 13.0



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: 50.707 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019437.D

Acq: 25 Nov 2020 09:23

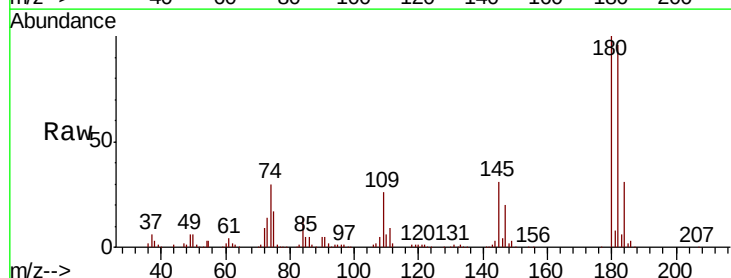
Tgt Ion:180 Resp: 239527

Ion Ratio Lower Upper

180 100

182 96.1 76.6 115.0

145 32.0 25.0 37.6



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

