

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
 Data File : VV018441.D
 Acq On : 25 Sep 2020 09:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Quant Time: Sep 25 23:40:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 04:36:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	380478	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	363917	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	201083	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	139358	44.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.88%
7) Chloroethane-d5	1.58	69	112351	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.56%
11) 1,1-Dichloroethene-d2	2.12	63	253561	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.16%
21) 2-Butanone-d5	3.91	46	160413	84.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.52%
24) Chloroform-d	4.37	84	238750	44.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.76%
26) 1,2-Dichloroethane-d4	5.05	65	146819	42.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.14%
32) Benzene-d6	5.07	84	480483	46.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.24%
36) 1,2-Dichloropropane-d6	6.09	67	149629	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.40%
41) Toluene-d8	7.33	98	445704	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%
43) trans-1,3-Dichloropropene-	7.64	79	78100	46.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.86%
47) 2-Hexanone-d5	8.11	63	111225	88.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.71%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	190820	45.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.86%
64) 1,2-Dichlorobenzene-d4	11.65	152	185352	44.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	119852	43.199	ug/L 100
3) Chloromethane	1.25	50	132469	43.727	ug/L 99
5) Vinyl chloride	1.32	62	142026	45.717	ug/L 100
6) Bromomethane	1.53	94	88478	46.597	ug/L 96
8) Chloroethane	1.60	64	90161	46.330	ug/L 98
9) Trichlorofluoromethane	1.76	101	192766	45.099	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	124827	48.619	ug/L 99
12) 1,1-Dichloroethene	2.13	96	118036	47.248	ug/L 98
13) Acetone	2.20	43	177913	117.067	ug/L 100
14) Carbon disulfide	2.31	76	320713	41.954	ug/L 100
15) Methyl Acetate	2.45	43	123150	45.091	ug/L 97
16) Methylene chloride	2.52	84	130118	46.441	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	121686	47.264	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	392934	49.338	ug/L 99
19) 1,1-Dichloroethane	3.21	63	231768	47.612	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	133845	48.632	ug/L 94
22) 2-Butanone	4.00	43	199328	110.762	ug/L 99

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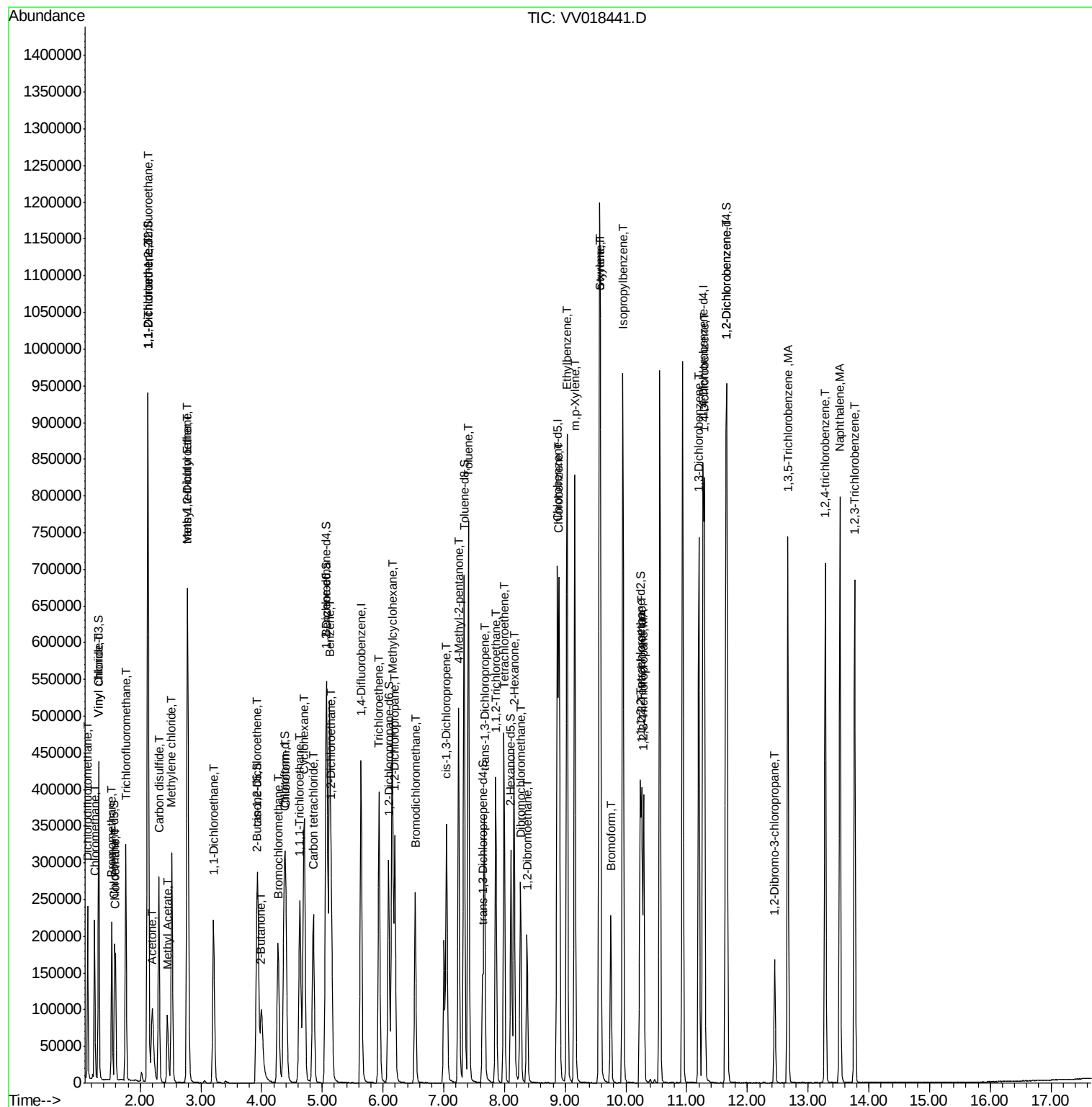
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	70092	48.676	ug/L	98
25) Chloroform	4.40	83	233870	47.264	ug/L	100
27) 1,2-Dichloroethane	5.15	62	175438	45.799	ug/L	99
29) Cyclohexane	4.70	56	206993	49.257	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	203639	48.217	ug/L	99
31) Carbon tetrachloride	4.85	117	178940	48.184	ug/L	99
33) Benzene	5.12	78	509530	48.971	ug/L	100
34) Trichloroethene	5.93	95	139979	49.386	ug/L	98
35) Methylcyclohexane	6.15	83	211208	49.491	ug/L	99
37) 1,2-Dichloropropane	6.19	63	136856	49.637	ug/L	99
38) Bromodichloromethane	6.53	83	173823	48.446	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	215451	50.717	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	329092	98.387	ug/L	98
42) Toluene	7.41	91	549554	49.909	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	208542	50.418	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	128418	50.251	ug/L	99
46) Tetrachloroethene	7.99	164	110881	49.893	ug/L	99
48) 2-Hexanone	8.15	43	279231	105.888	ug/L	98
49) Dibromochloromethane	8.26	129	141086	49.184	ug/L	99
50) 1,2-Dibromoethane	8.37	107	134443	49.987	ug/L	100
51) Chlorobenzene	8.90	112	361347	50.531	ug/L	98
52) Ethylbenzene	9.03	91	615330	51.186	ug/L	99
53) m,p-Xylene	9.16	106	234734	52.314	ug/L	97
54) o-xylene	9.56	106	225771	52.228	ug/L	99
55) Styrene	9.58	104	399476	53.168	ug/L	100
56) Isopropylbenzene	9.95	105	617135	52.972	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	188115	49.763	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	158487	48.872	ug/L	99
61) Bromoform	9.75	173	103293	47.816	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	302989	50.672	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	308857	50.254	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	297942	49.297	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	40023	46.928	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	233575	49.551	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	214470	51.093	ug/L	99
69) Naphthalene	13.52	128	595713	56.086	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	212749	51.458	ug/L	100

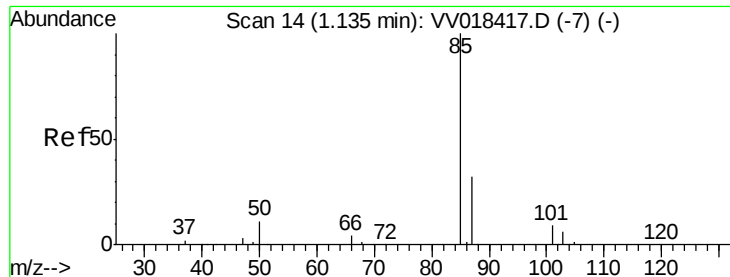
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#2

Dichlorodifluoromethane

Concen: 43.199 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

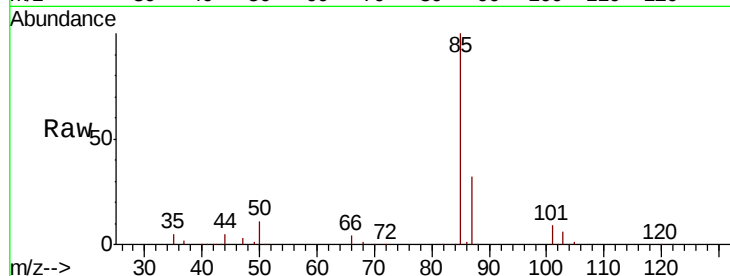
VSTD05087

Tot Ion: 85 Resp: 119852

Ion Ratio Lower Upper

85 100

87 32.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV018441.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV018441.D (-1) (-)

1.14

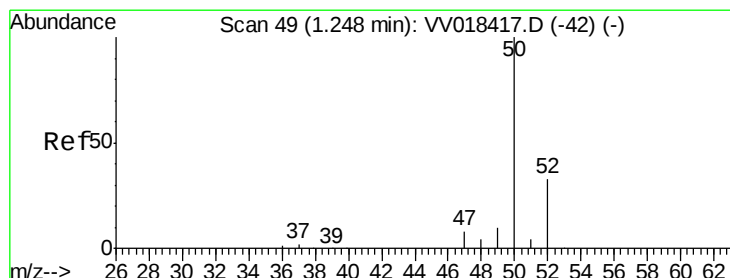
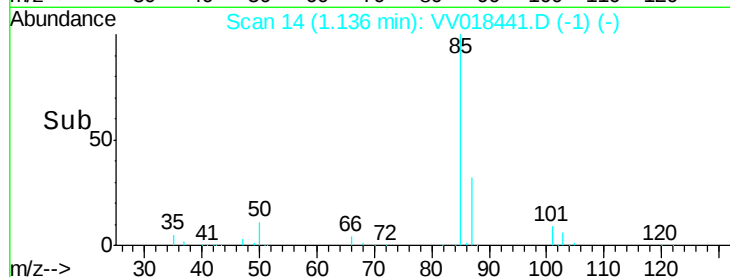
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 43.727 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018441.D

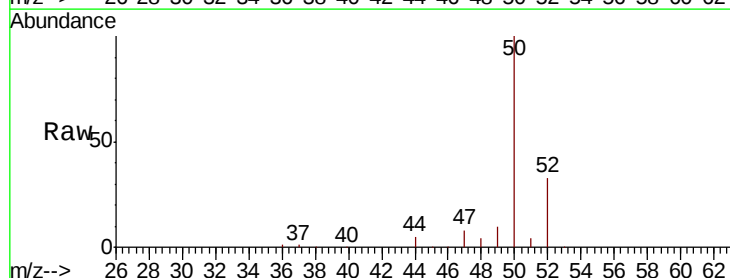
Acq: 25 Sep 2020 09:16

Tgt Ion: 50 Resp: 132469

Ion Ratio Lower Upper

50 100

52 33.1 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV018441.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV018441.D (-1) (-)

1.25

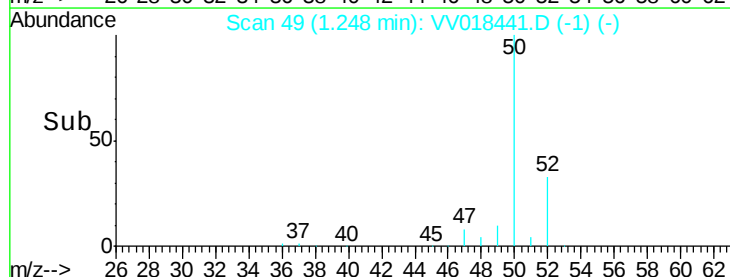
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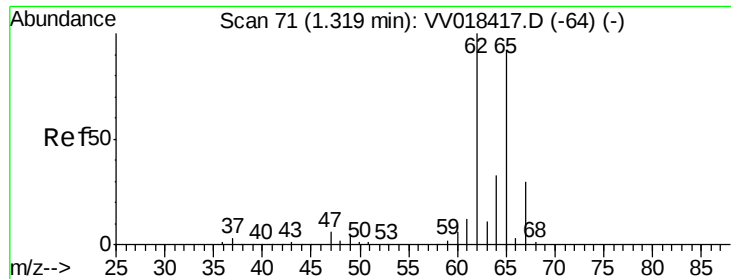
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 45.717 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

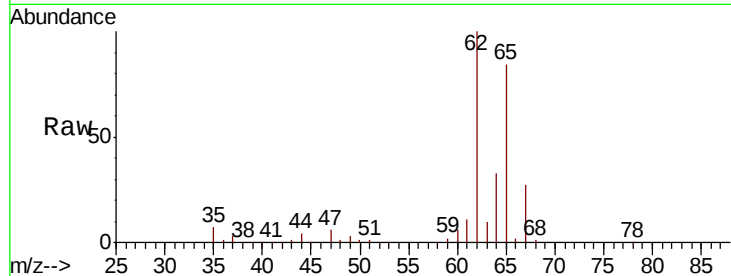
VSTD05087

Tot Ion: 62 Resp: 142026

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

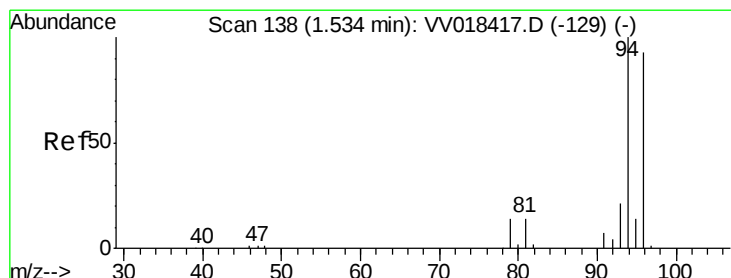
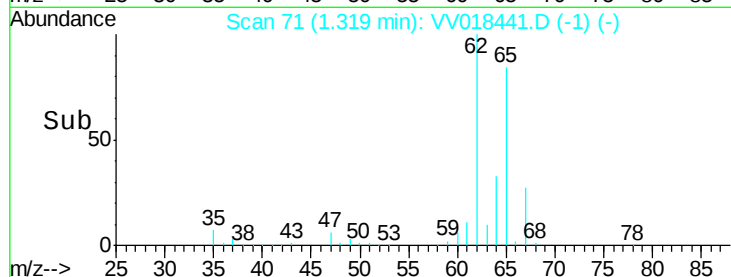
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 46.597 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018441.D

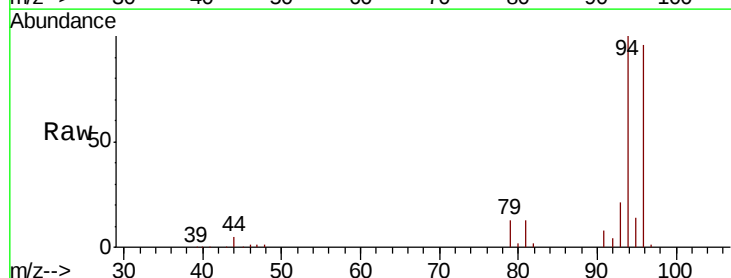
Acq: 25 Sep 2020 09:16

Tgt Ion: 94 Resp: 88478

Ion Ratio Lower Upper

94 100

96 96.5 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

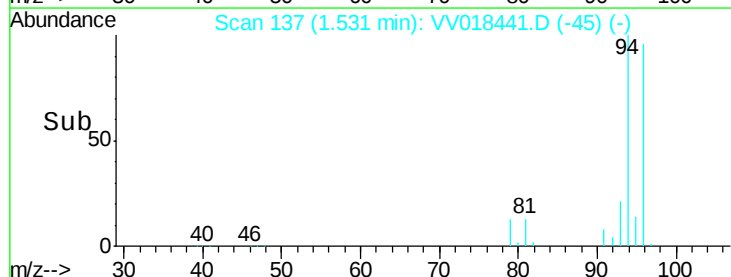
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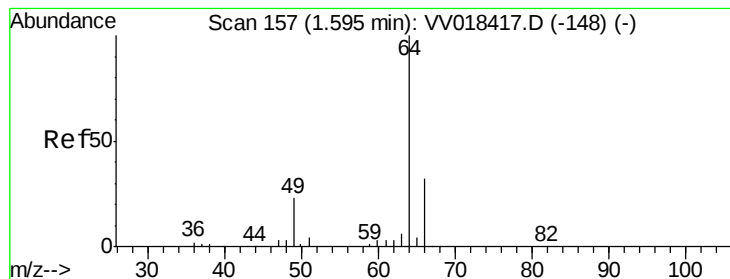
40000

20000

0

Time-->





#8

Chloroethane

Concen: 46.330 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

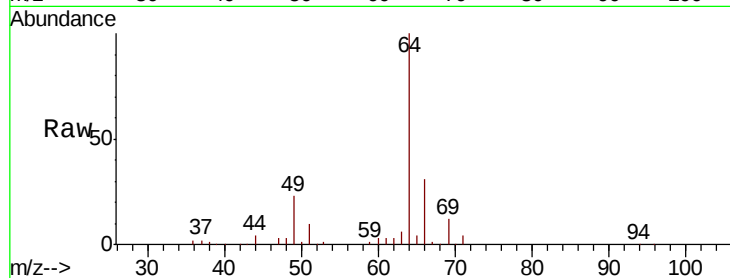
VSTD05087

Tot Ion: 64 Resp: 90161

Ion Ratio Lower Upper

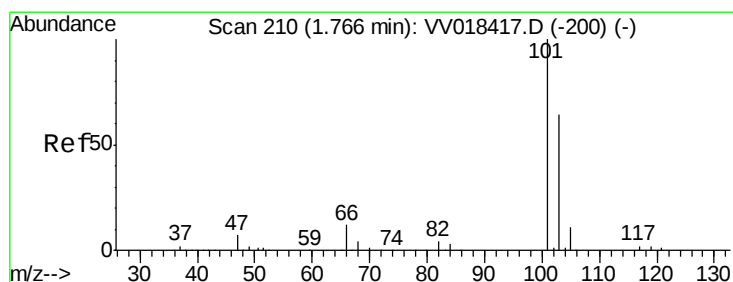
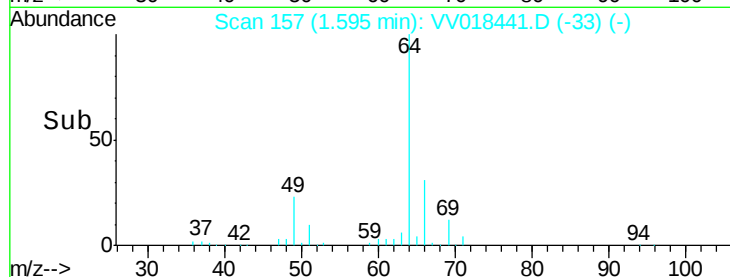
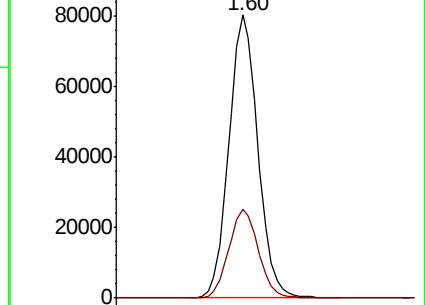
64 100

66 31.2 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV018441.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018441.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 45.099 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018441.D

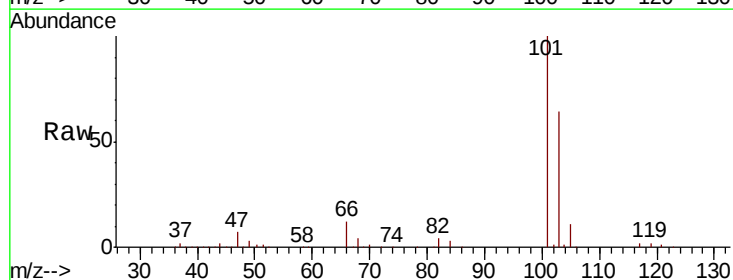
Acq: 25 Sep 2020 09:16

Tgt Ion:101 Resp: 192766

Ion Ratio Lower Upper

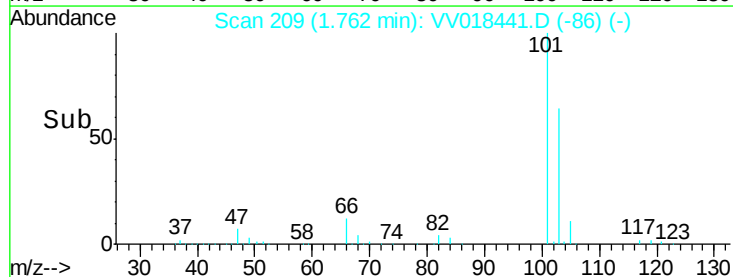
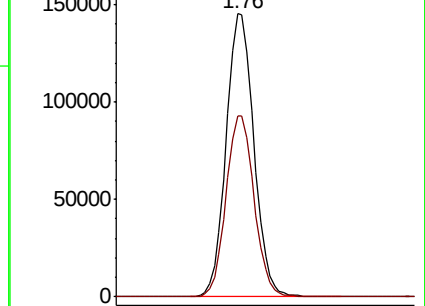
101 100

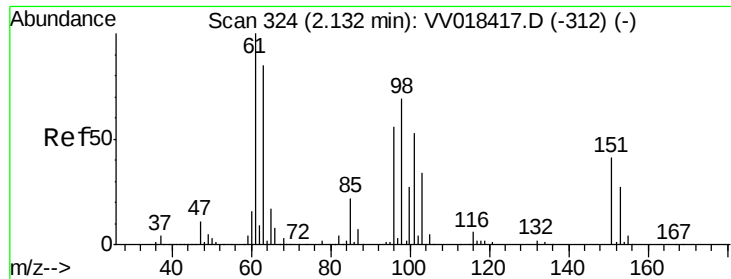
103 64.9 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV018441.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV018441.D (-200) (-)





#10

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

Concen: 48.619 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

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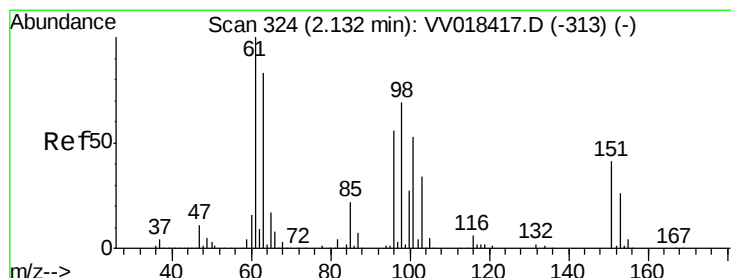
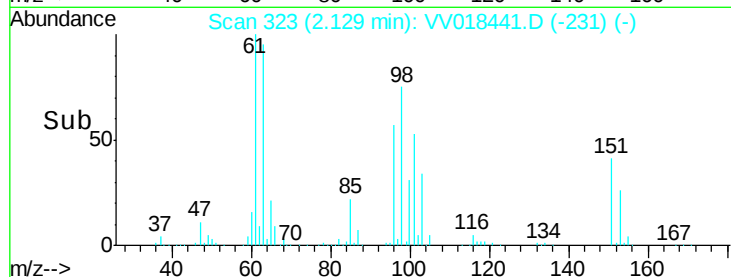
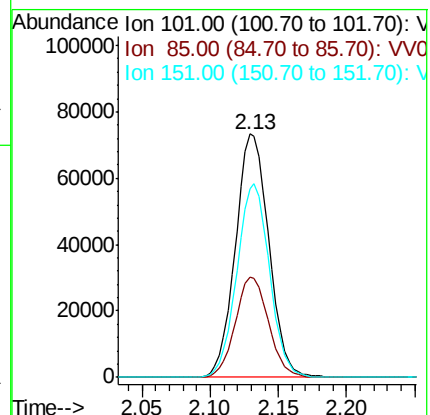
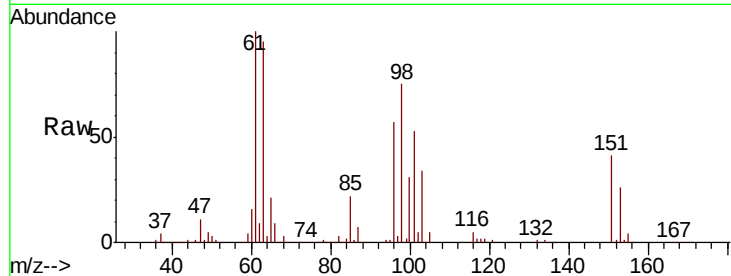
Tot Ion:101 Resp: 124827

Ion Ratio Lower Upper

101 100

85 41.0 33.5 50.3

151 77.8 62.2 93.2



#12

1,1-Dichloroethene

Concen: 47.248 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

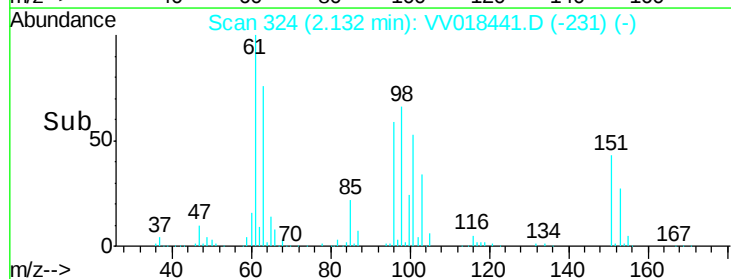
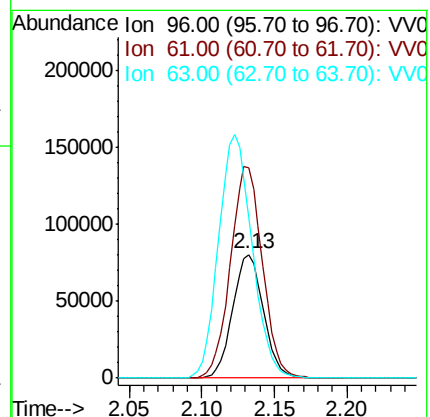
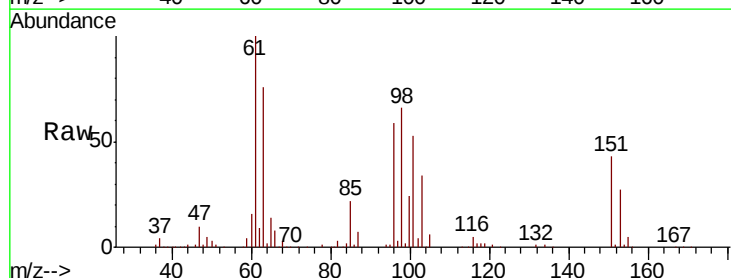
Tgt Ion: 96 Resp: 118036

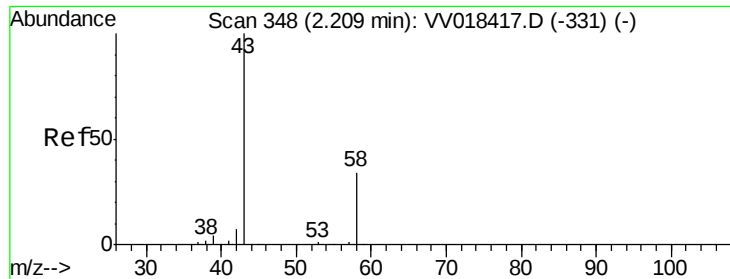
Ion Ratio Lower Upper

96 100

61 170.7 122.9 228.3

63 130.1 91.9 170.7





#13

Acetone

Concen: 117.067 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.01 min

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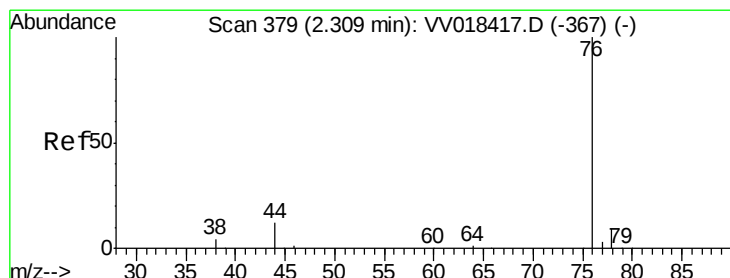
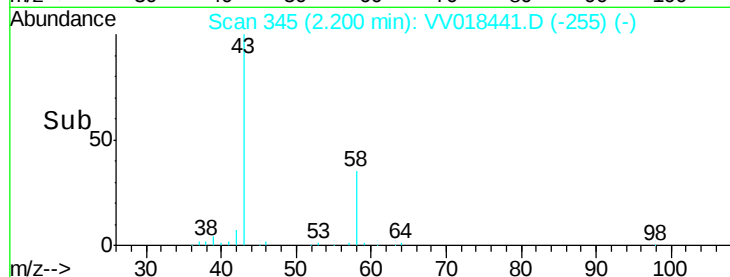
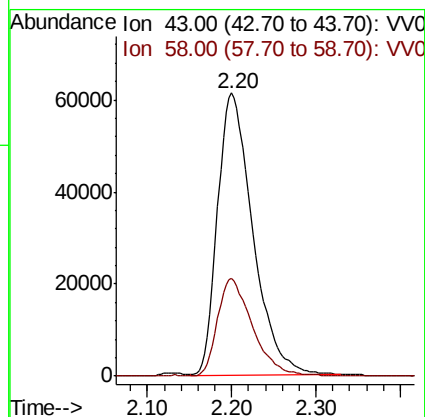
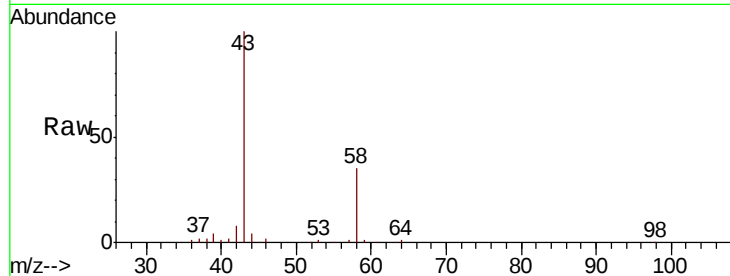
VSTD05087

Tot Ion: 43 Resp: 177913

Ion Ratio Lower Upper

43 100

58 33.8 0.0 67.4



#14

Carbon disulfide

Concen: 41.954 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018441.D

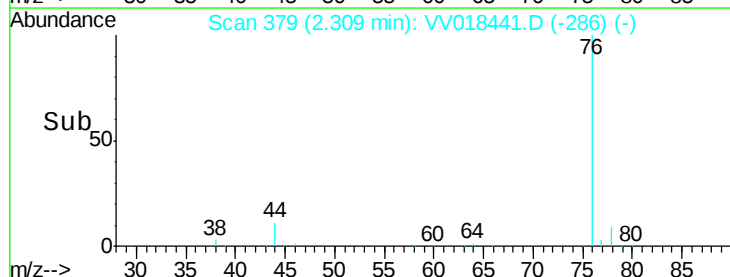
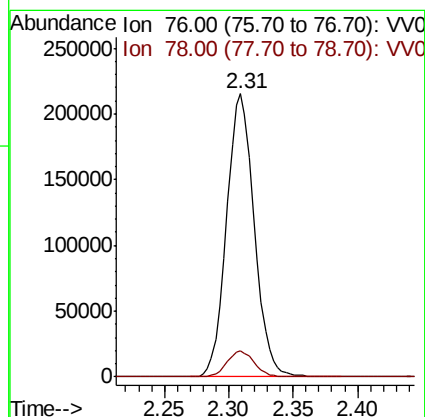
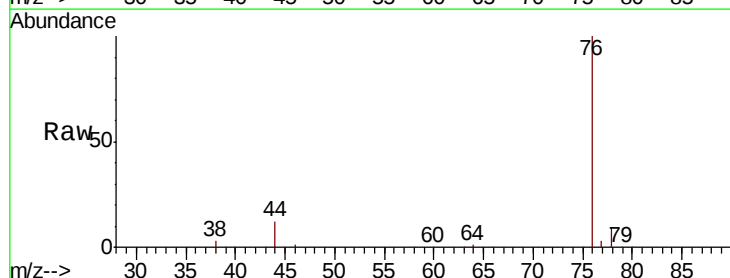
Acq: 25 Sep 2020 09:16

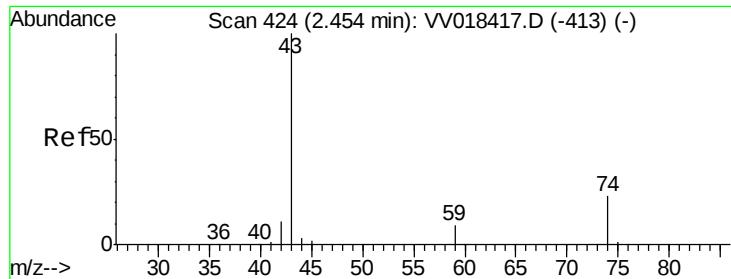
Tgt Ion: 76 Resp: 320713

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methvl Acetate

Concen: 45.091 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.01 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

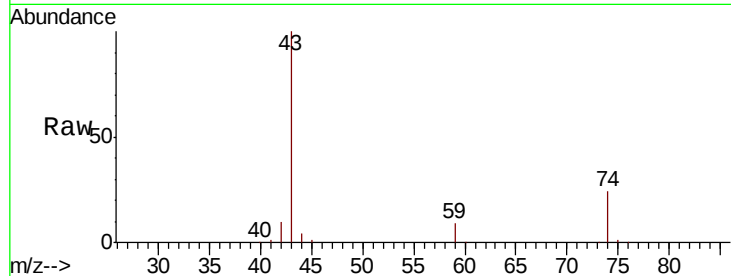
VSTD05087

Tot Ion: 43 Resp: 123150

Ion Ratio Lower Upper

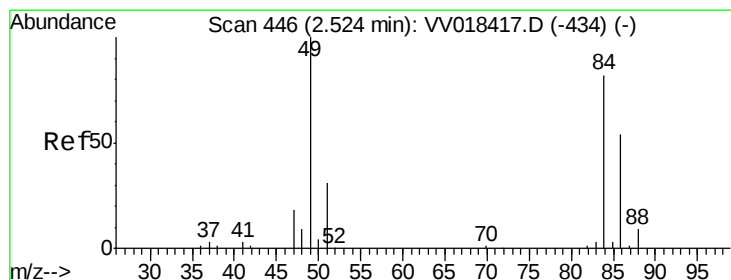
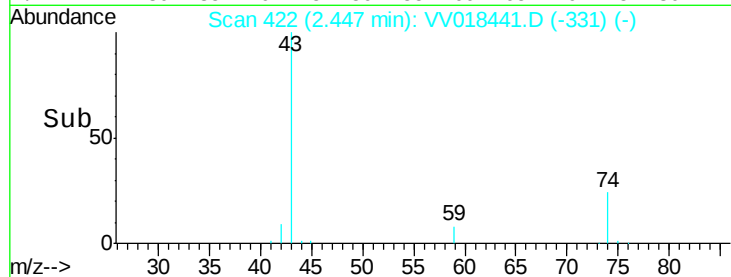
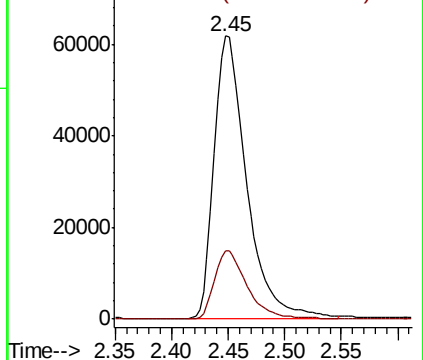
43 100

74 24.5 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 46.441 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

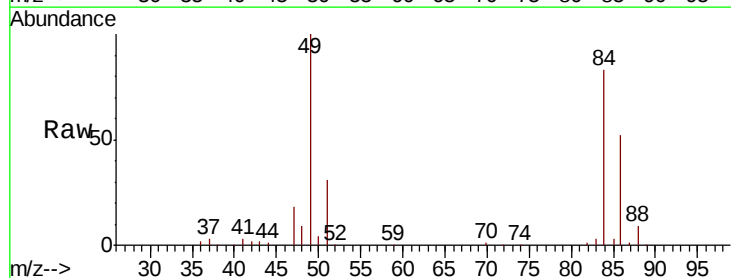
Tgt Ion: 84 Resp: 130118

Ion Ratio Lower Upper

84 100

86 63.5 44.4 82.4

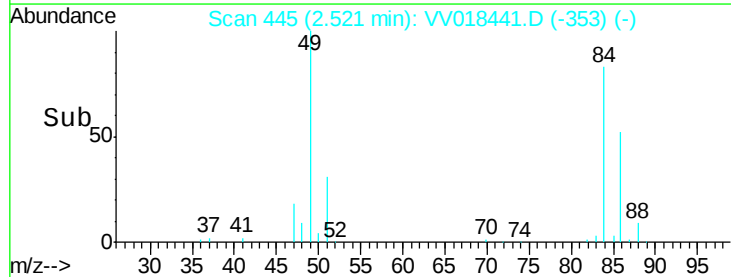
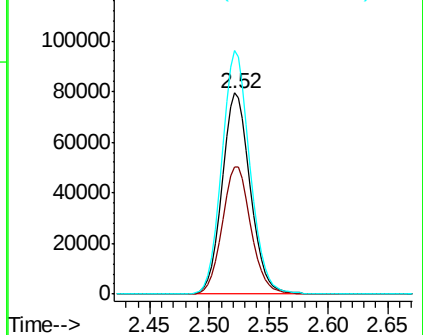
49 121.1 87.2 162.0

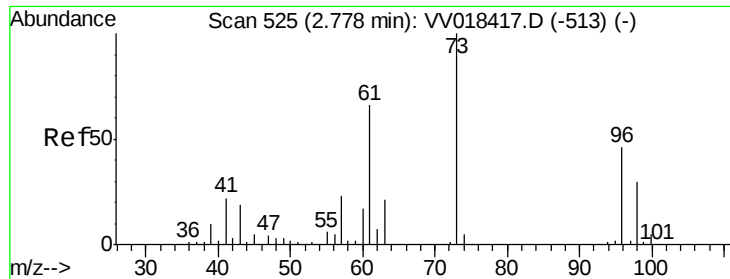


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

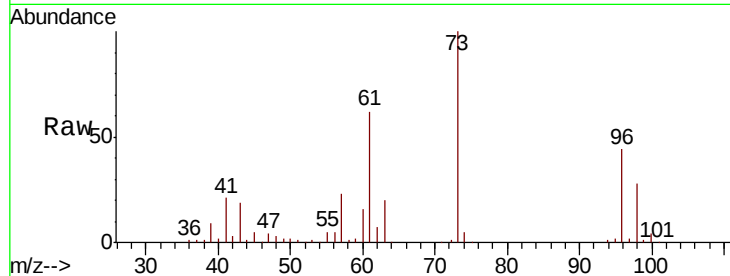




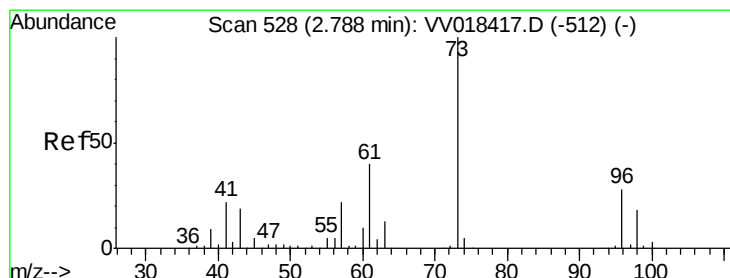
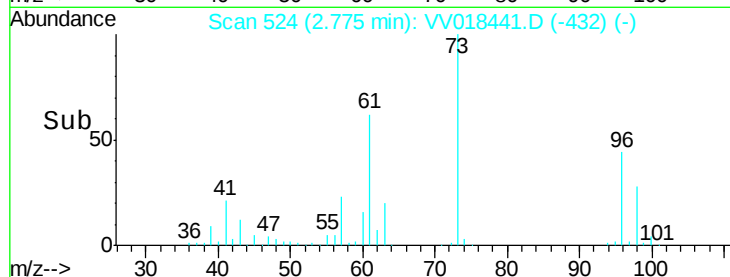
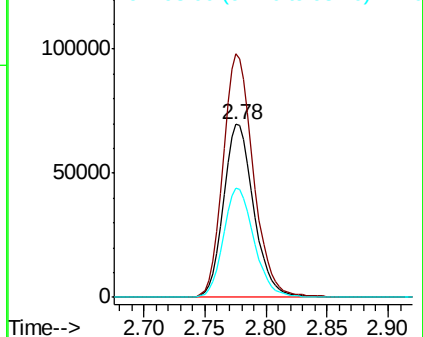
#17
trans-1,2-Dichloroethene
Concen: 47.264 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV018441.D
Acq: 25 Sep 2020 09:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tot Ion: 96 Resp: 121686
Ion Ratio Lower Upper
96 100
61 140.6 100.7 186.9
98 63.2 45.2 84.0

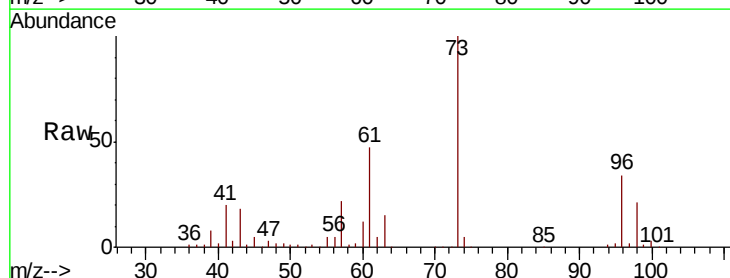


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

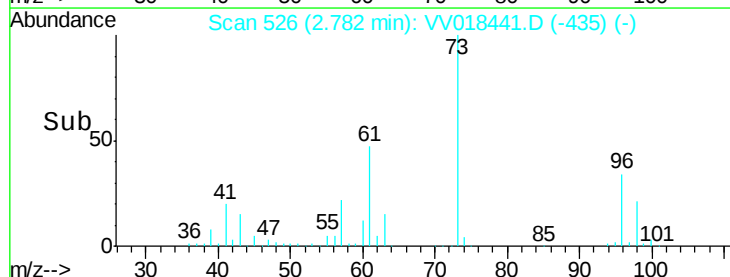
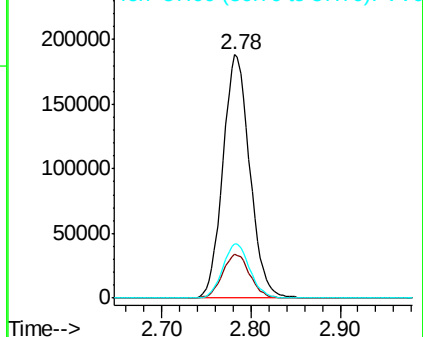


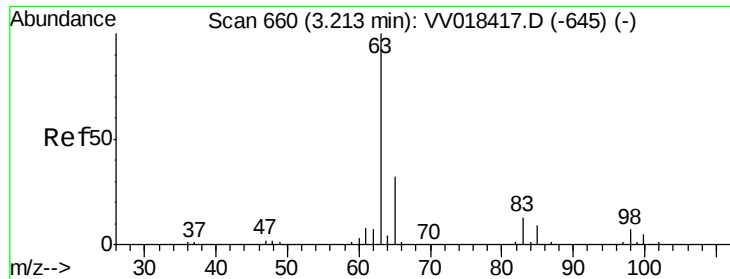
#18
Methyl tert-butyl Ether
Concen: 49.338 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.01 min
Lab File: VV018441.D
Acq: 25 Sep 2020 09:16

Tgt Ion: 73 Resp: 392934
Ion Ratio Lower Upper
73 100
43 18.3 15.4 23.0
57 22.4 18.0 27.0



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

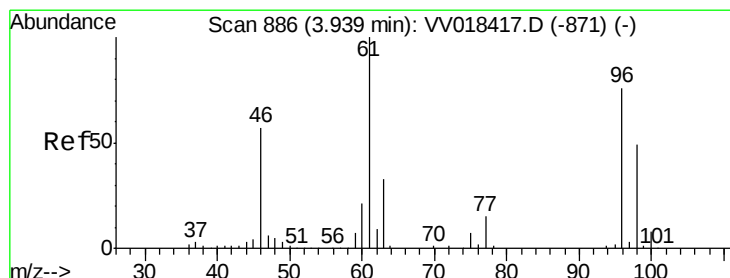
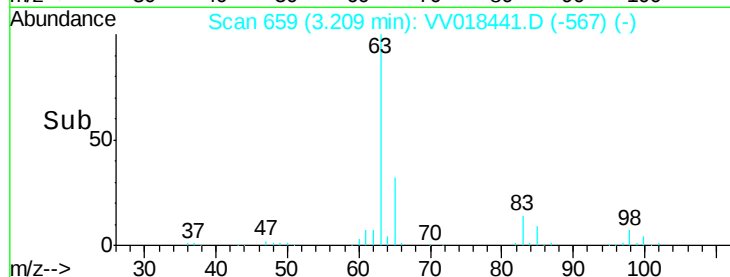
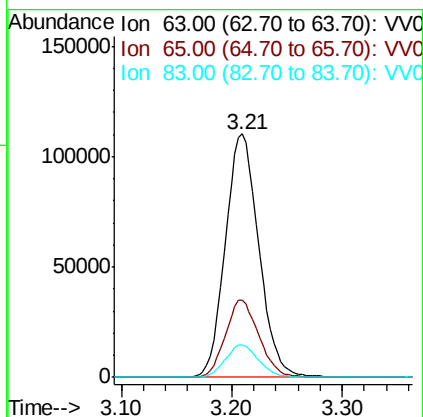
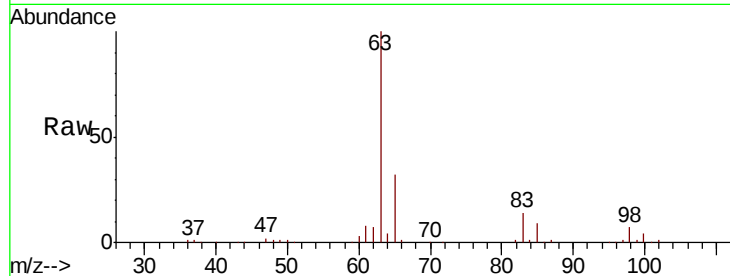




#19
 1,1-Dichloroethane
 Concen: 47.612 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018441.D
 Acq: 25 Sep 2020 09:16

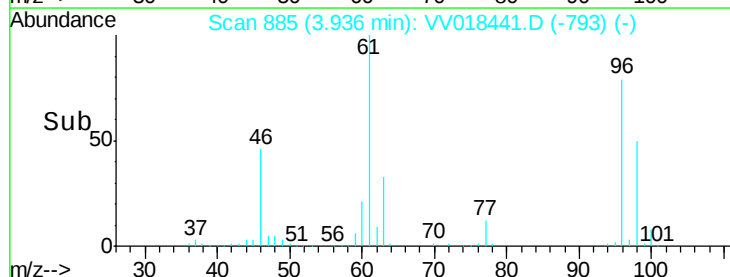
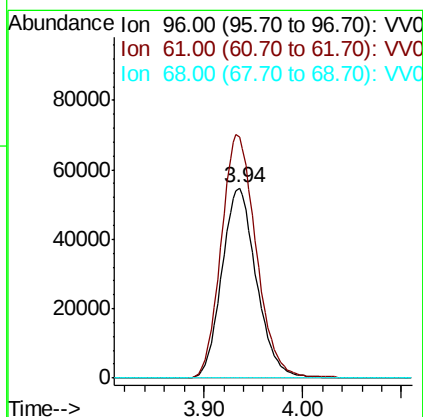
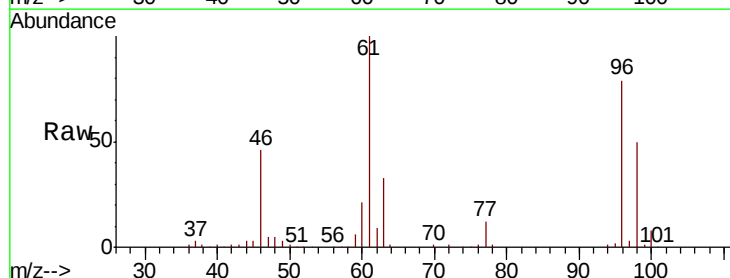
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

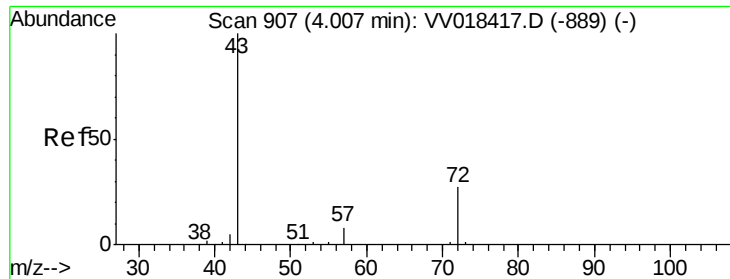
Tot Ion: 63 Resp: 231768
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.5 41.7
 83 13.6 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 48.632 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV018441.D
 Acq: 25 Sep 2020 09:16

Tgt Ion: 96 Resp: 133845
 Ion Ratio Lower Upper
 96 100
 61 126.6 93.6 173.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 110.762 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.01 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

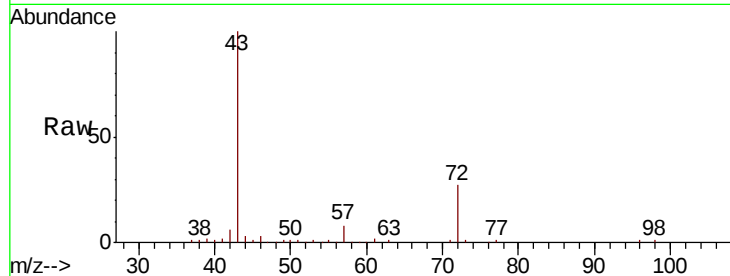
VSTD05087

Tot Ion: 43 Resp: 199328

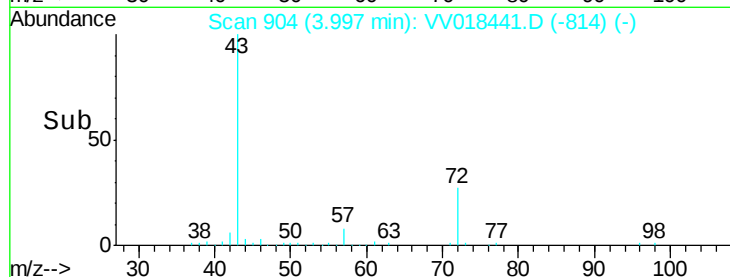
Ion Ratio Lower Upper

43 100

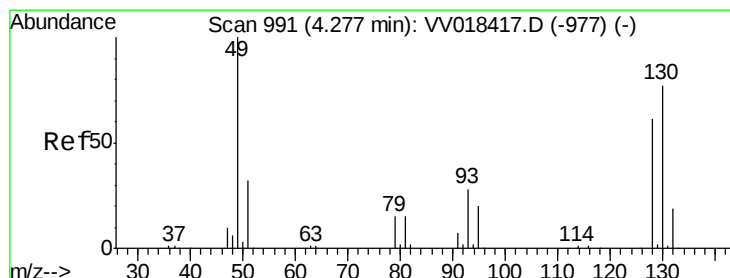
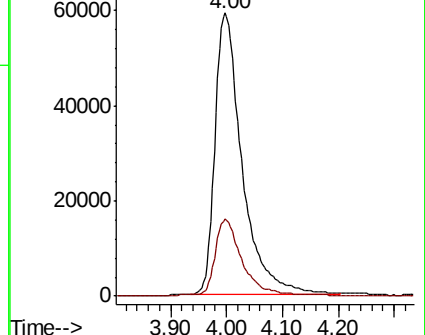
72 25.9 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018441.D (-814) (-)



Ion 72.00 (71.70 to 72.70): VV018441.D (-814) (-)



#23

Bromochloromethane

Concen: 48.676 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.01 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Tgt Ion: 128 Resp: 70092

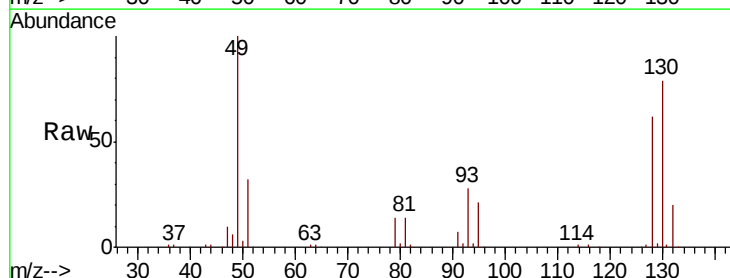
Ion Ratio Lower Upper

128 100

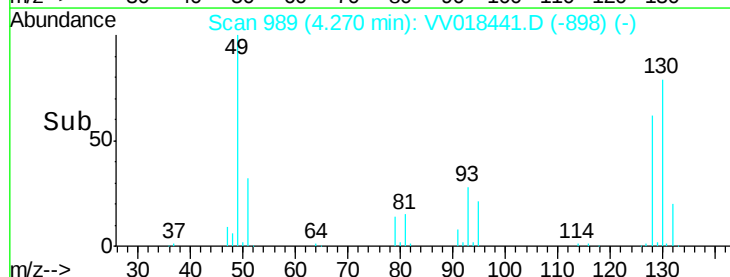
49 160.9 114.4 212.6

130 127.1 87.9 163.3

51 51.6 41.8 62.8

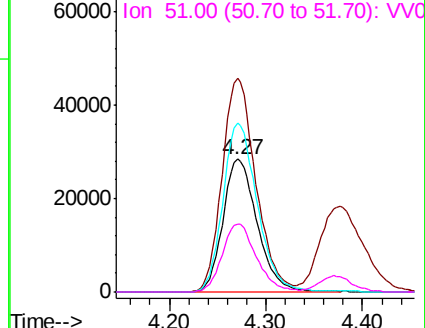


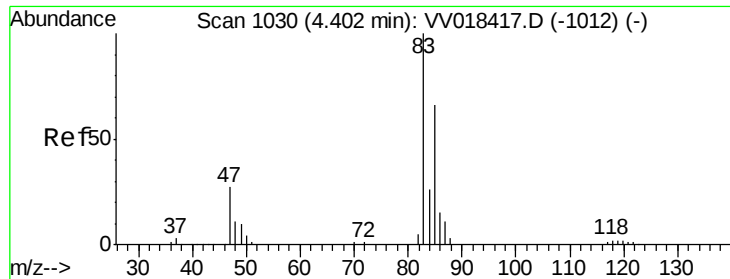
Abundance Ion 128.00 (127.70 to 128.70): VV018441.D (-898) (-)



Ion 49.00 (48.70 to 49.70): VV018441.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV018441.D (-898) (-)

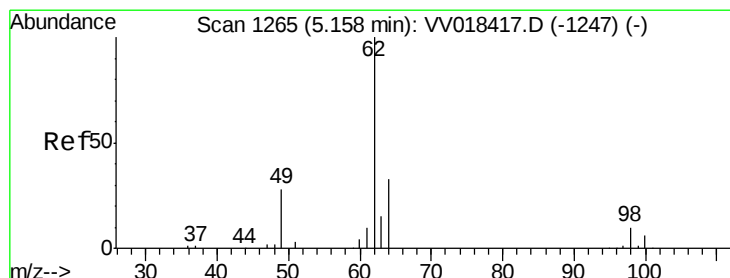
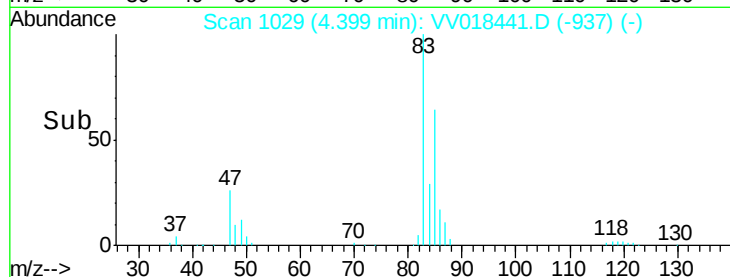
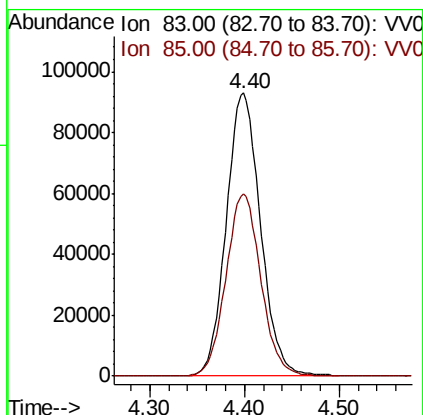
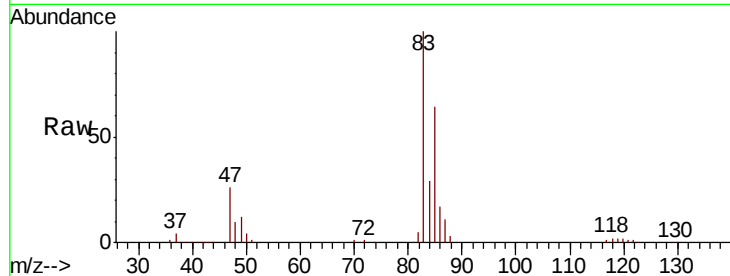




#25
Chloroform
Concen: 47.264 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018441.D
Acq: 25 Sep 2020 09:16

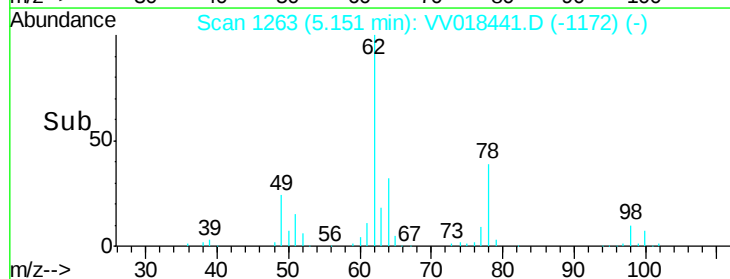
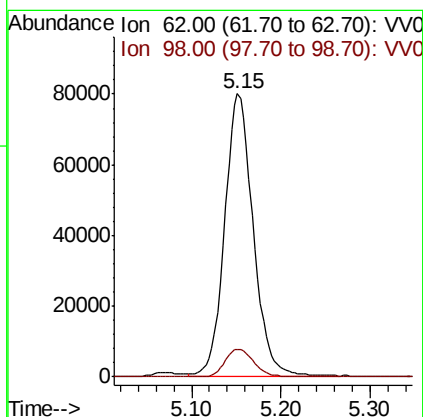
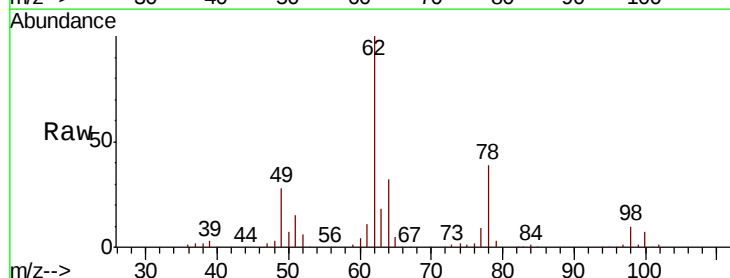
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

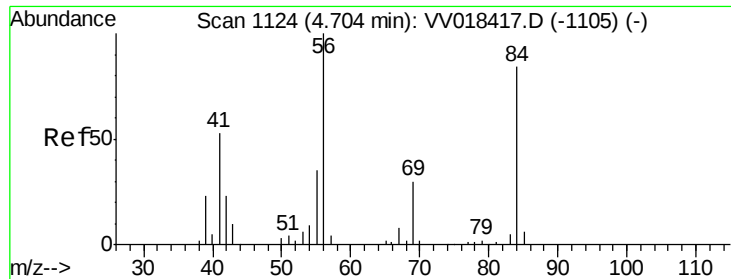
Tot Ion: 83 Resp: 233870
Ion Ratio Lower Upper
83 100
85 64.4 45.0 83.6



#27
1,2-Dichloroethane
Concen: 45.799 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VV018441.D
Acq: 25 Sep 2020 09:16

Tgt Ion: 62 Resp: 175438
Ion Ratio Lower Upper
62 100
98 9.9 7.6 11.4

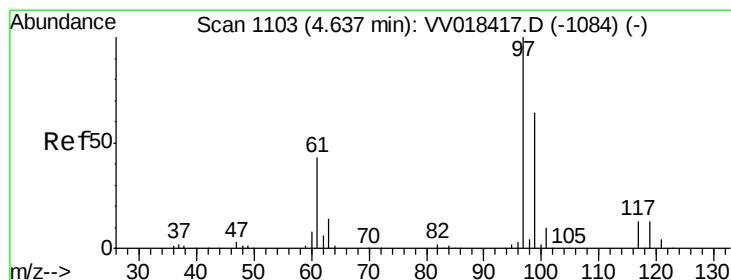
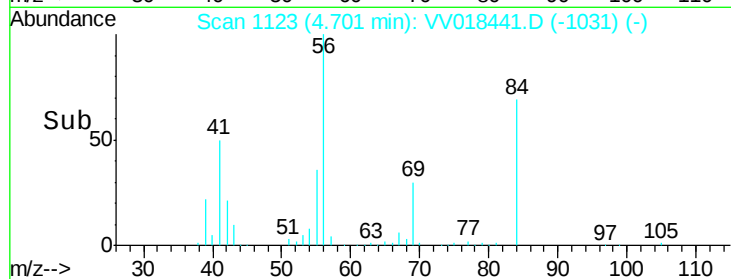
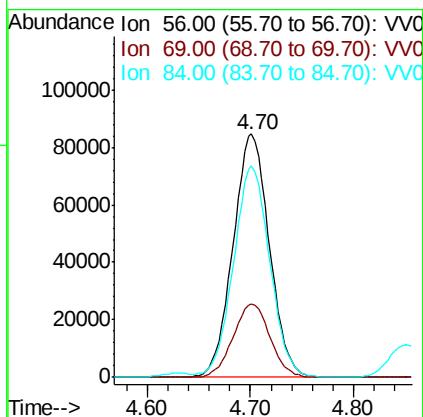
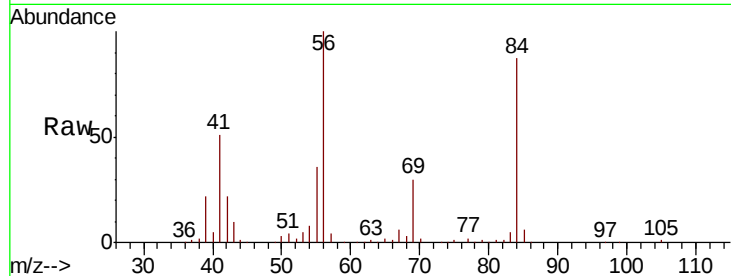




#29
Cyclohexane
Concen: 49.257 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV018441.D
Acq: 25 Sep 2020 09:16

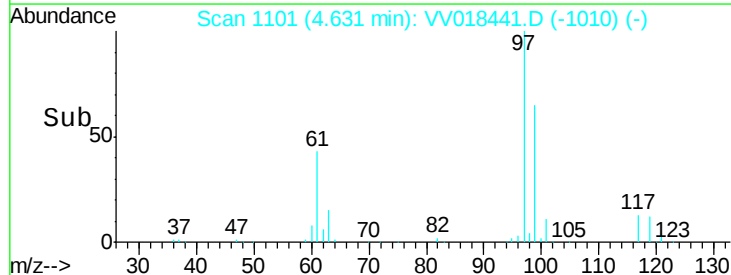
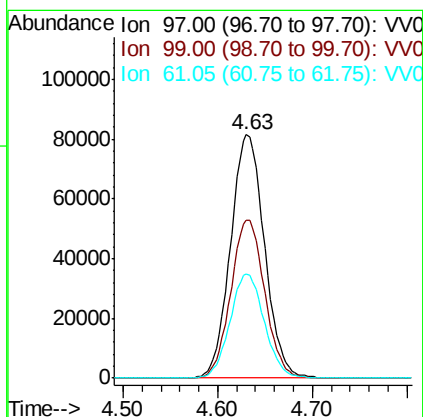
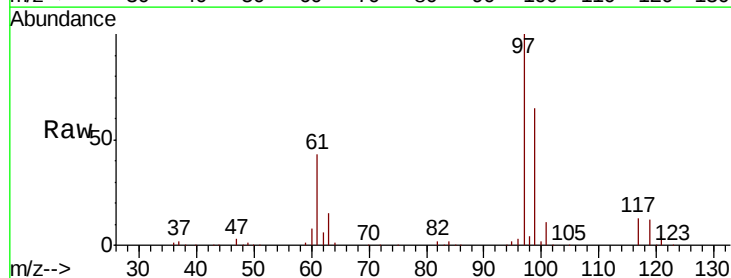
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

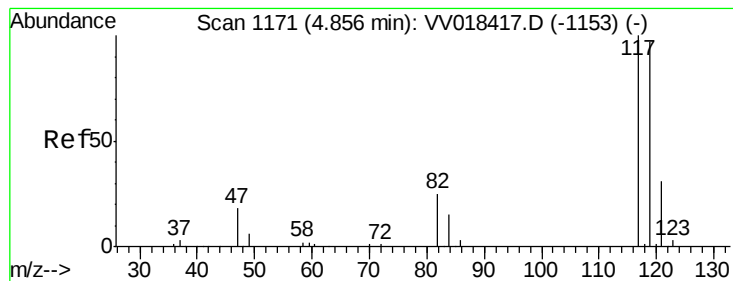
Tot Ion: 56 Resp: 206993
Ion Ratio Lower Upper
56 100
69 30.7 24.2 36.2
84 87.3 68.3 102.5



#30
1,1,1-Trichloroethane
Concen: 48.217 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.01 min
Lab File: VV018441.D
Acq: 25 Sep 2020 09:16

Tgt Ion: 97 Resp: 203639
Ion Ratio Lower Upper
97 100
99 64.9 51.6 77.4
61 43.2 34.9 52.3





#31

Carbon tetrachloride

Concen: 48.184 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

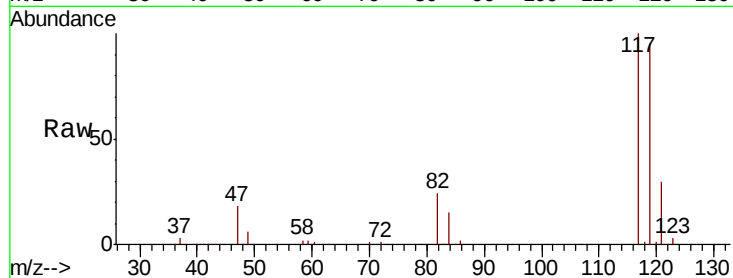
VSTD05087

Tot Ion:117 Resp: 178940

Ion Ratio Lower Upper

117 100

119 95.2 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

80000

60000

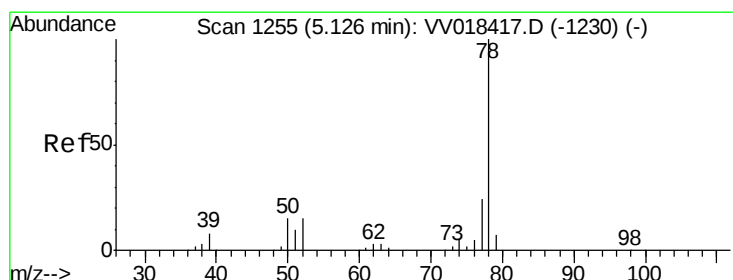
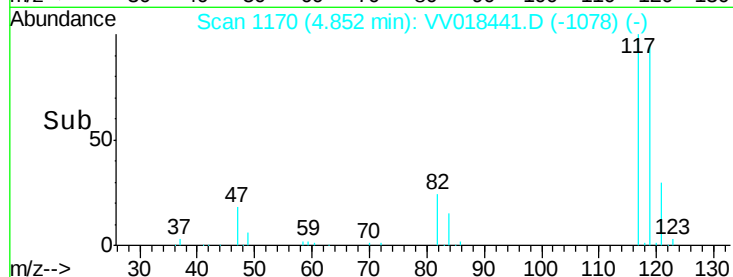
40000

20000

0

4.80 4.85 4.90 5.00

Time-->



#33

Benzene

Concen: 48.971 ug/L

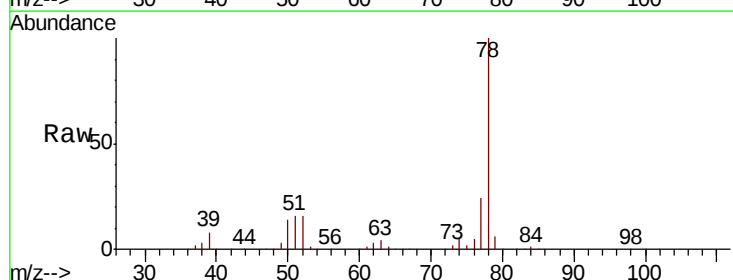
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Tgt Ion: 78 Resp: 509530



Abundance Ion 78.00 (77.70 to 78.70): VV0

250000

200000

150000

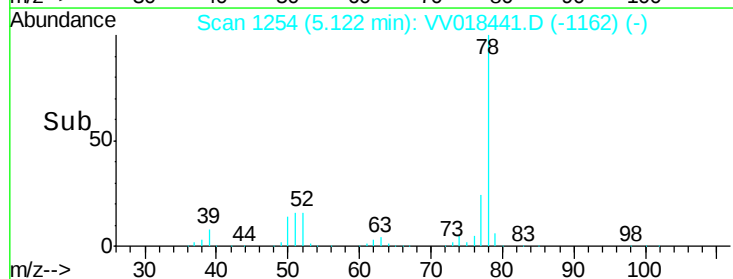
100000

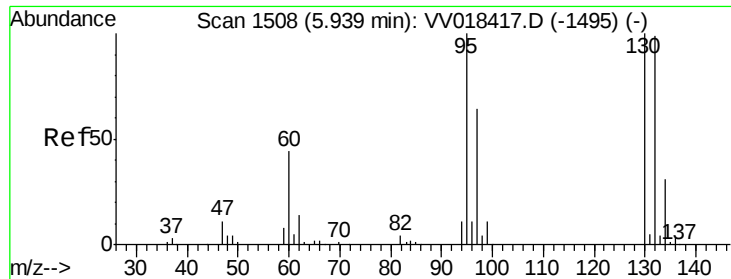
50000

0

5.00 5.10 5.20

Time-->





#34

Trichloroethene

Concen: 49.386 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.01 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

Tot Ion: 95 Resp: 139979

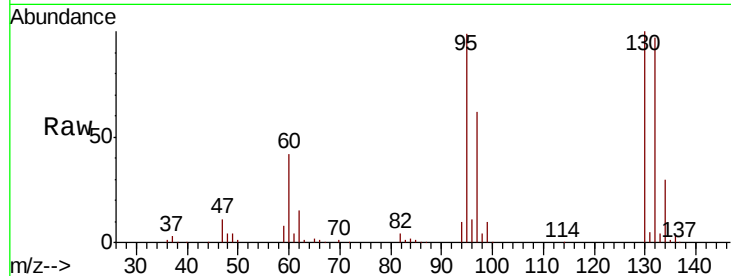
Ion Ratio Lower Upper

95 100

97 63.0 46.3 85.9

132 98.8 68.1 126.5

130 101.5 71.5 132.9

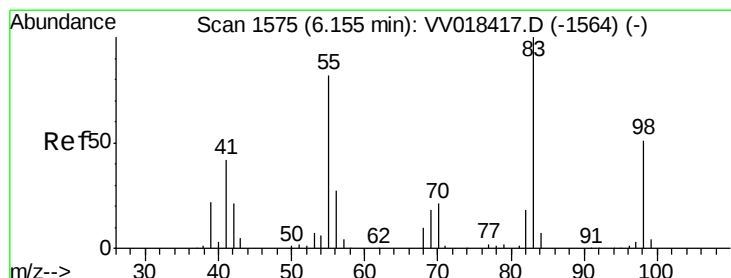
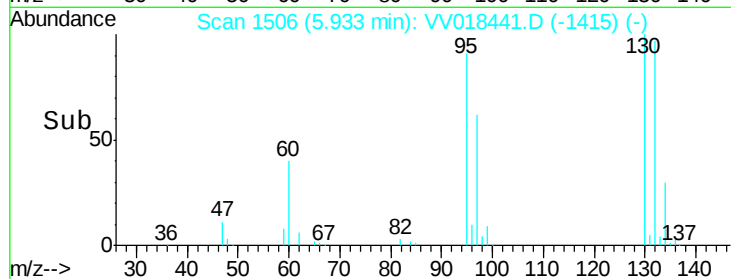
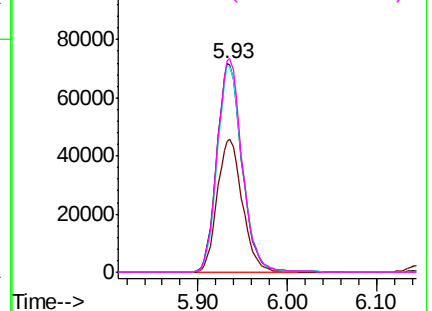


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 49.491 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

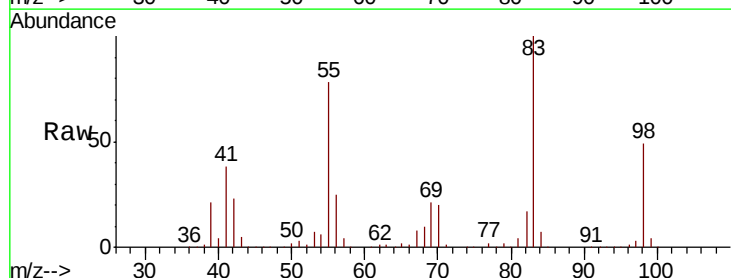
Tgt Ion: 83 Resp: 211208

Ion Ratio Lower Upper

83 100

55 77.8 63.4 95.2

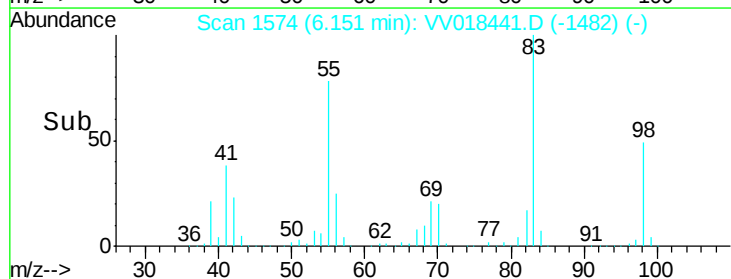
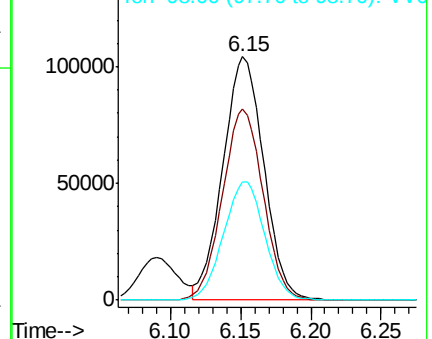
98 49.1 38.8 58.2

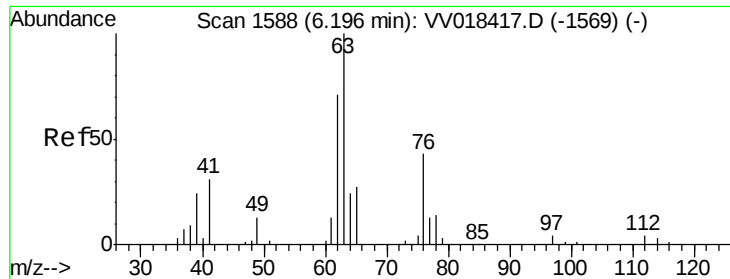


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

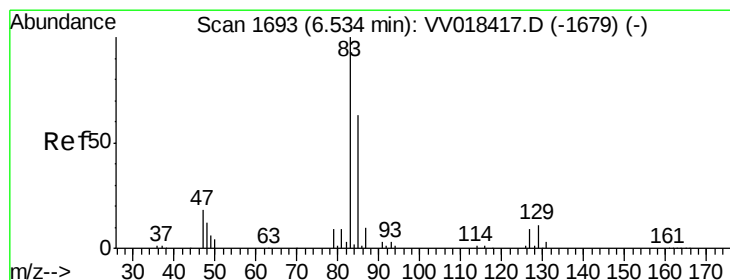
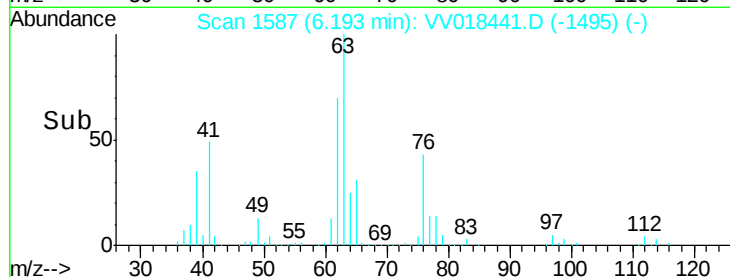
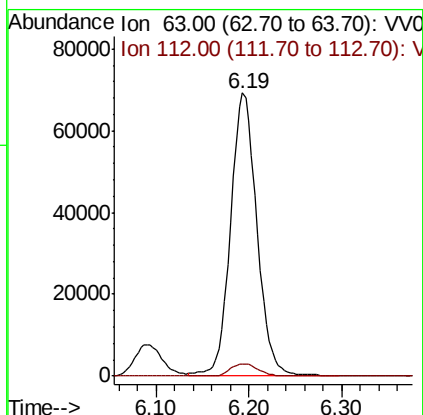
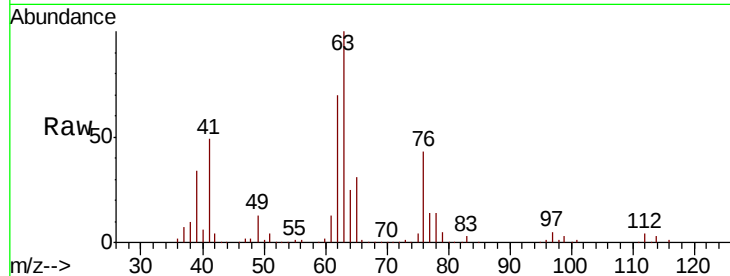




#37
 1,2-Dichloropropane
 Concen: 49.637 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV018441.D
 Acq: 25 Sep 2020 09:16

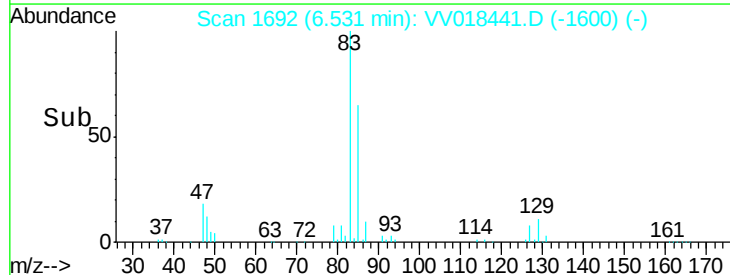
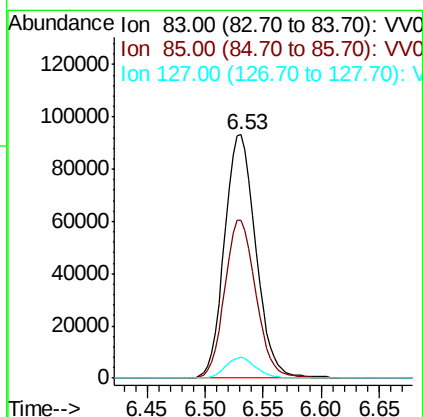
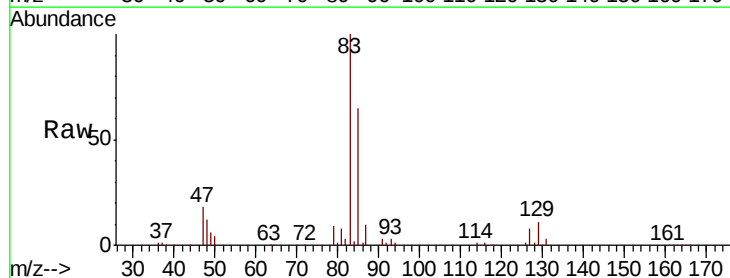
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

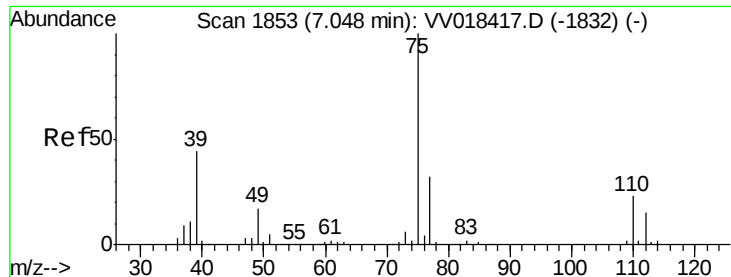
Tot Ion: 63 Resp: 136856
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.4 5.2



#38
 Bromodichloromethane
 Concen: 48.446 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018441.D
 Acq: 25 Sep 2020 09:16

Tgt Ion: 83 Resp: 173823
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.7 82.9
 127 8.5 6.7 10.1

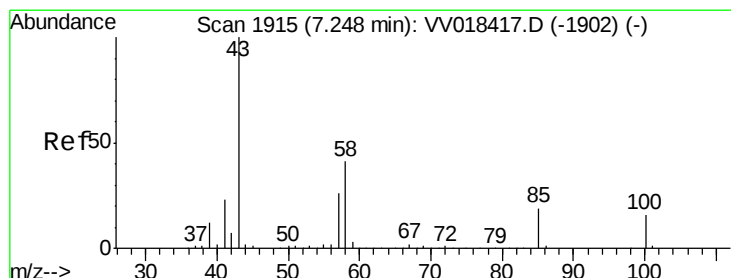
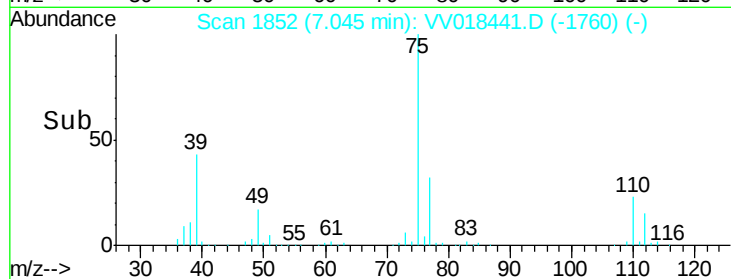
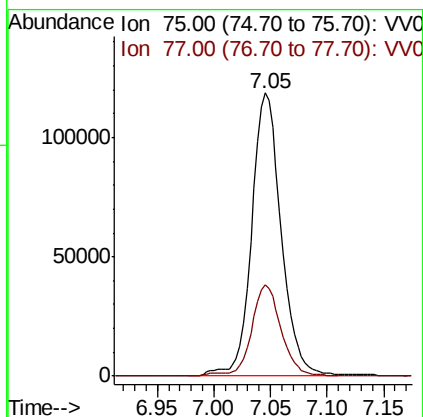
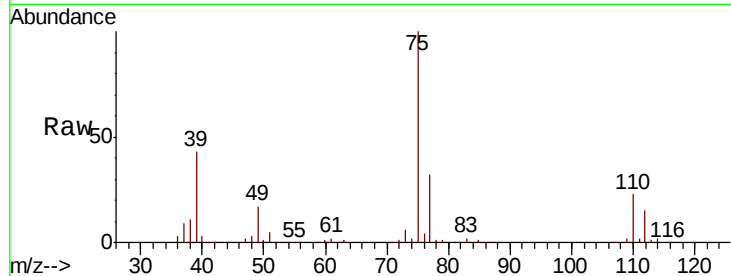




#39
 cis-1,3-Dichloropropene
 Concen: 50.717 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018441.D
 Acq: 25 Sep 2020 09:16

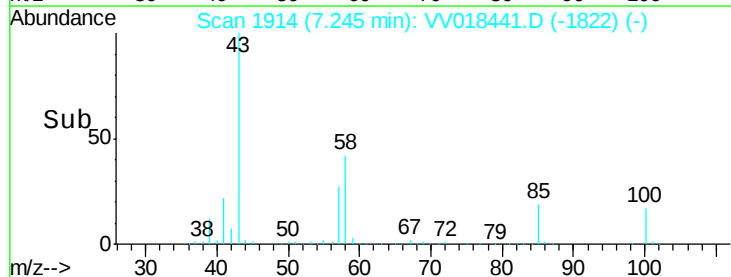
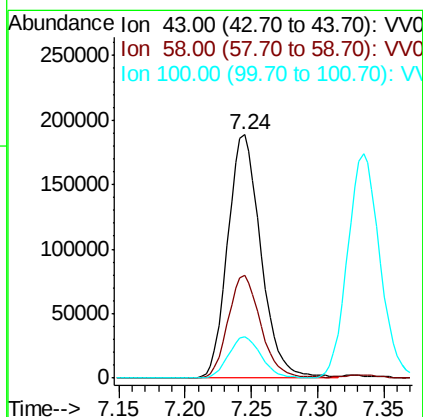
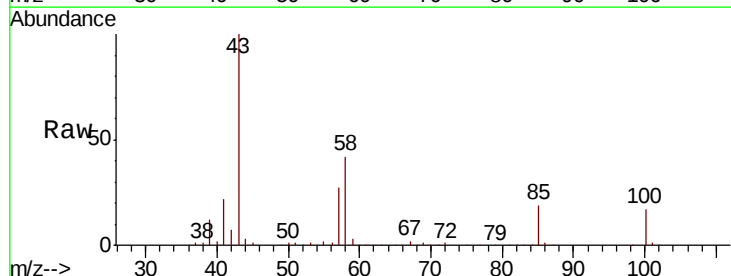
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

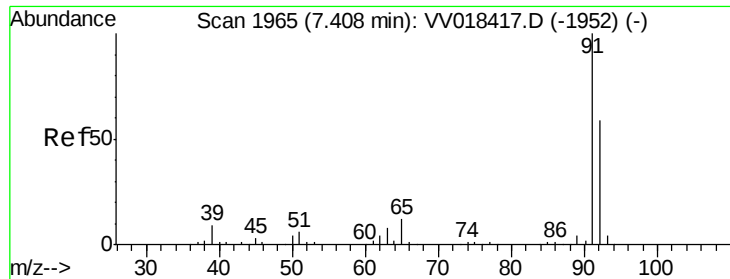
Tot Ion: 75 Resp: 215451
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 98.387 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018441.D
 Acq: 25 Sep 2020 09:16

Tgt Ion: 43 Resp: 329092
 Ion Ratio Lower Upper
 43 100
 58 41.5 32.4 48.6
 100 16.7 12.7 19.1





#42

Toluene

Concen: 49.909 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

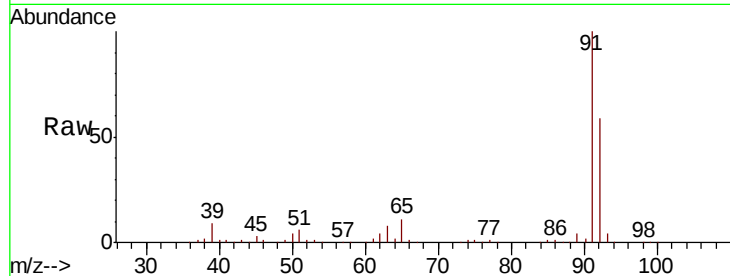
VSTD05087

Tot Ion: 91 Resp: 549554

Ion Ratio Lower Upper

91 100

92 59.0 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

300000

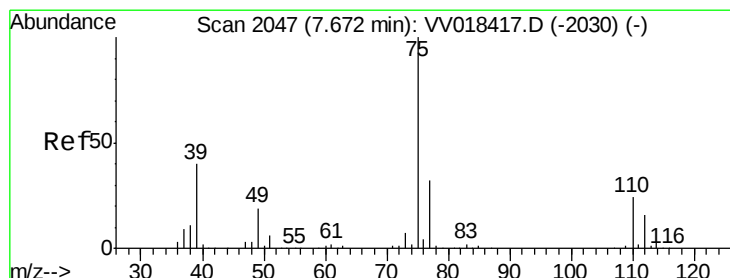
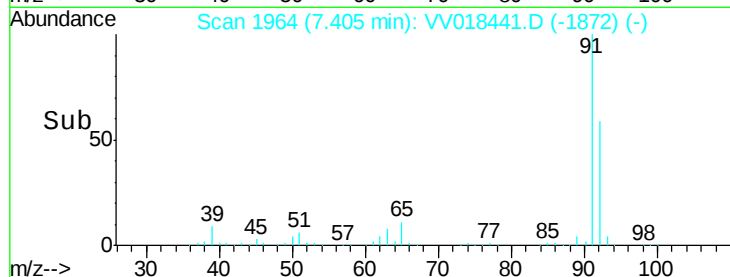
200000

100000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 50.418 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018441.D

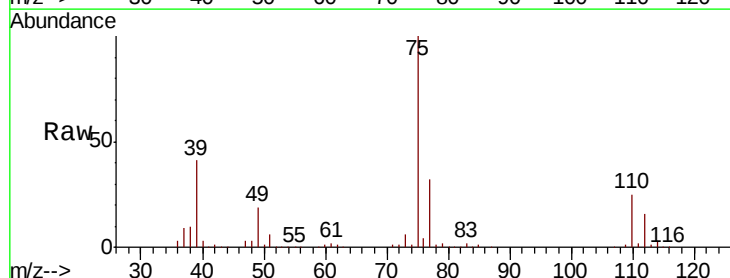
Acq: 25 Sep 2020 09:16

Tgt Ion: 75 Resp: 208542

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

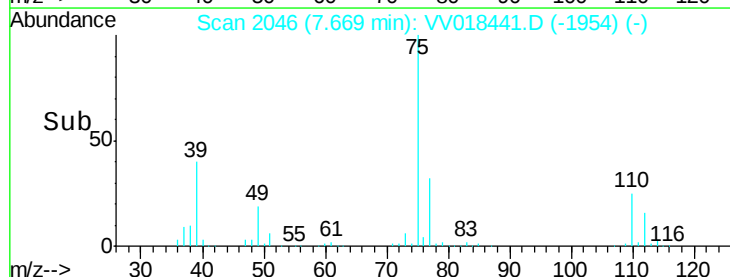
100000

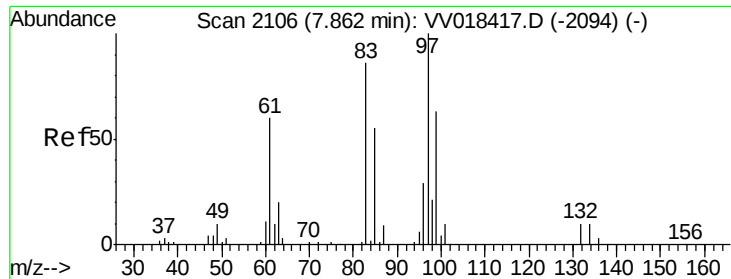
50000

0

Time-->

7.60 7.70 7.80

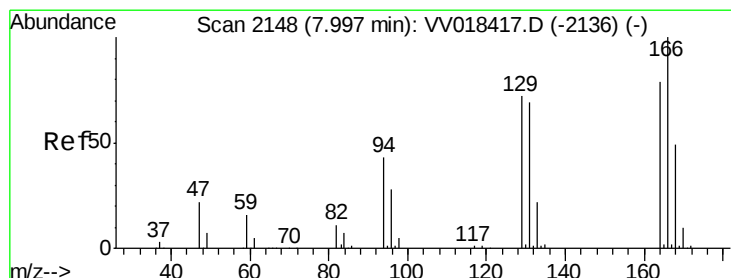
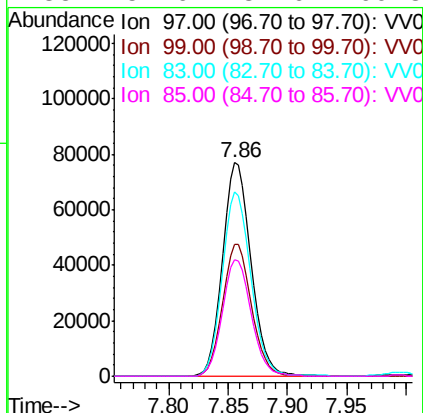
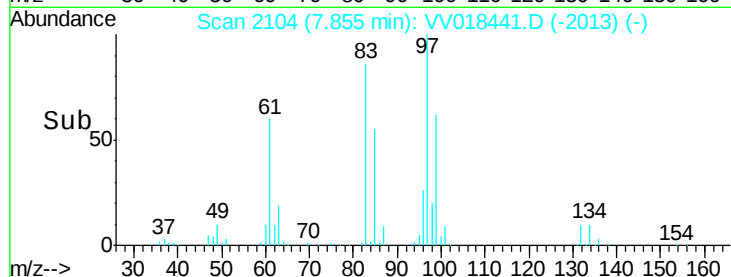
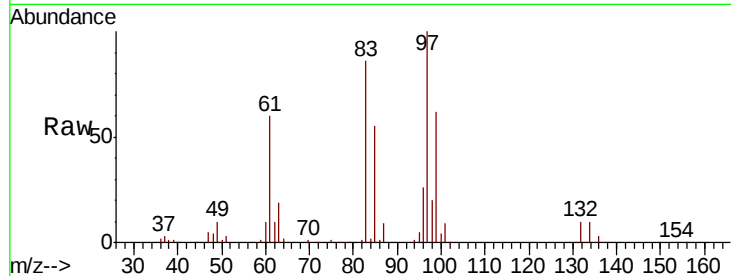




#45
 1,1,2-Trichloroethane
 Concen: 50.251 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: VV018441.D
 Acq: 25 Sep 2020 09:16

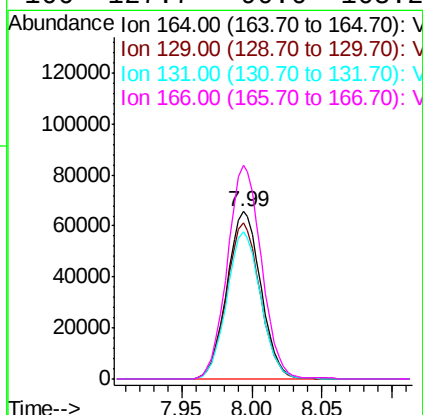
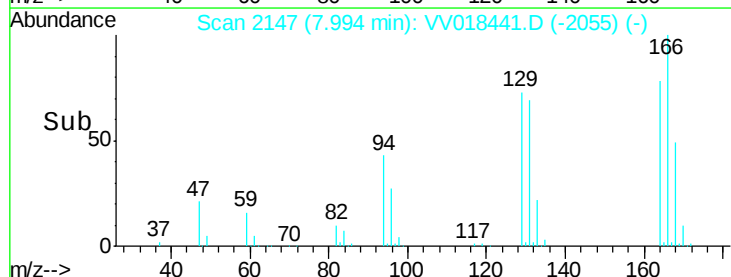
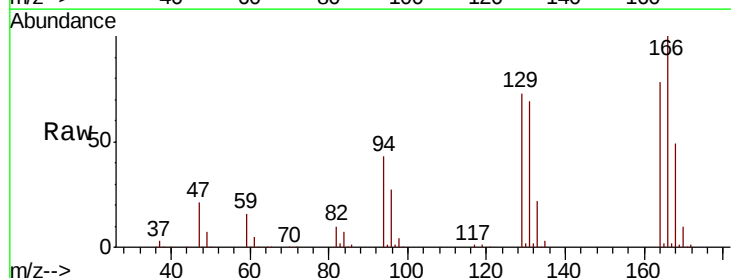
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

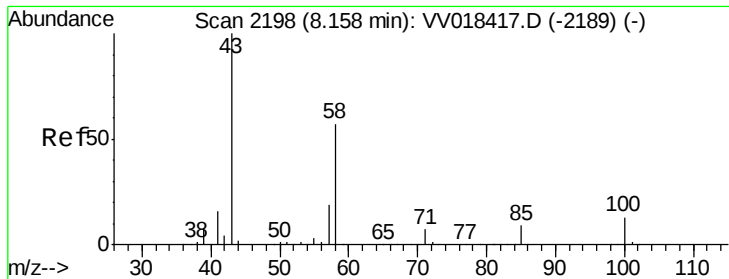
Tot Ion:	97	Resp:	128418
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.7	81.1
83	86.2	59.9	111.3
85	54.6	37.6	69.8



#46
 Tetrachloroethene
 Concen: 49.893 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018441.D
 Acq: 25 Sep 2020 09:16

Tgt Ion:	164	Resp:	110881
Ion	Ratio	Lower	Upper
164	100		
129	93.5	64.5	119.7
131	88.0	61.8	114.8
166	127.7	90.6	168.2

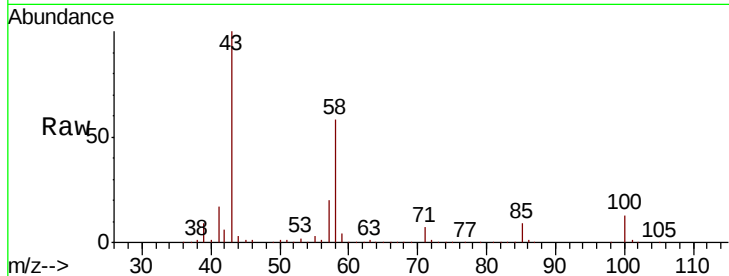




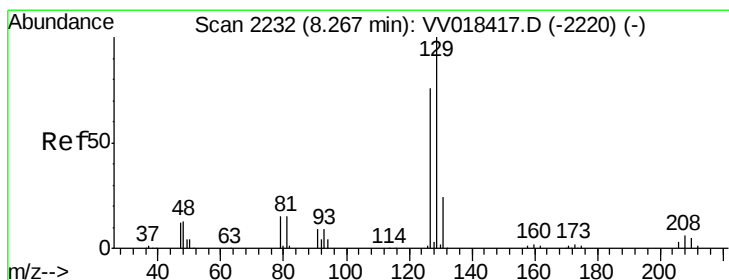
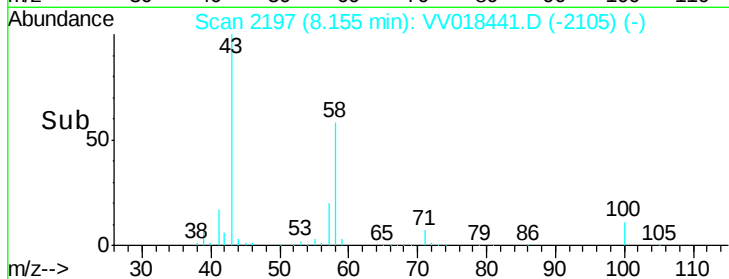
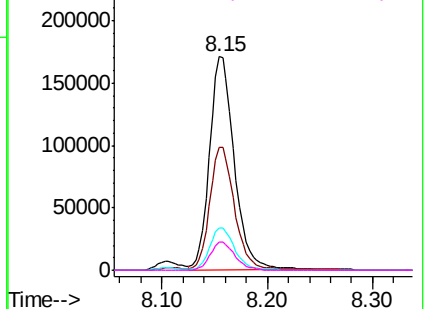
#48
2-Hexanone
Concen: 105.888 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018441.D
Acq: 25 Sep 2020 09:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tot Ion: 43 Resp: 279231
Ion Ratio Lower Upper
43 100
58 57.7 44.8 67.2
57 19.9 15.8 23.6
100 13.5 10.2 15.4

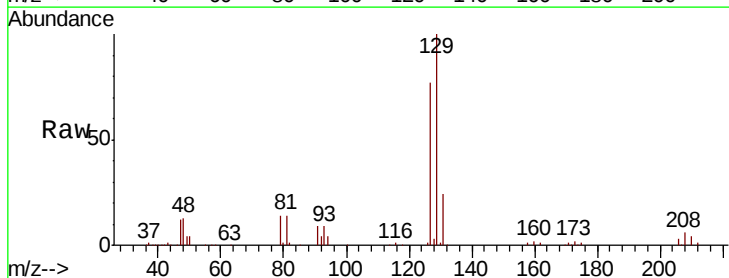


Abundance Ion 43.00 (42.70 to 43.70): VV018441.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV018441.D (-2197) (-)
Ion 57.00 (56.70 to 57.70): VV018441.D (-2197) (-)
Ion 100.00 (99.70 to 100.70): VV018441.D (-2197) (-)

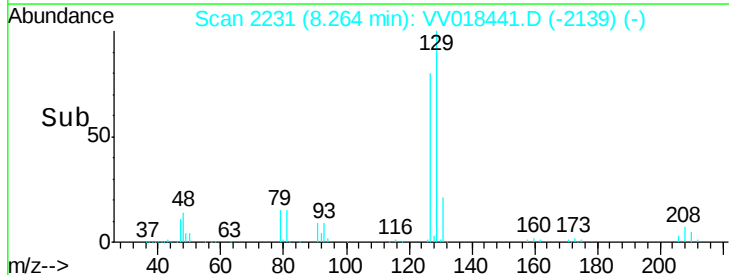
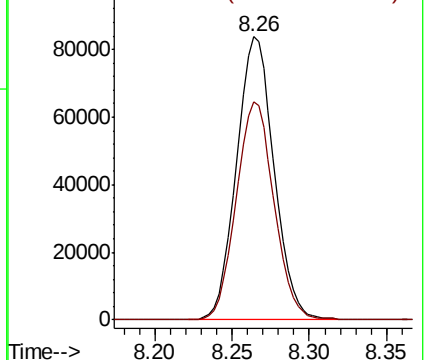


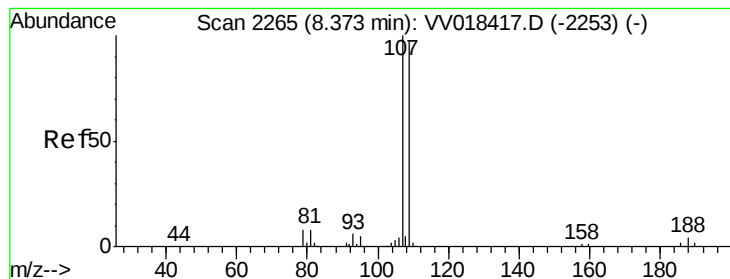
#49
Dibromochloromethane
Concen: 49.184 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018441.D
Acq: 25 Sep 2020 09:16

Tgt Ion: 129 Resp: 141086
Ion Ratio Lower Upper
129 100
127 77.1 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): VV018441.D (-2231) (-)
Ion 127.00 (126.70 to 127.70): VV018441.D (-2231) (-)





#50

1,2-Dibromoethane

Concen: 49.987 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. -0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

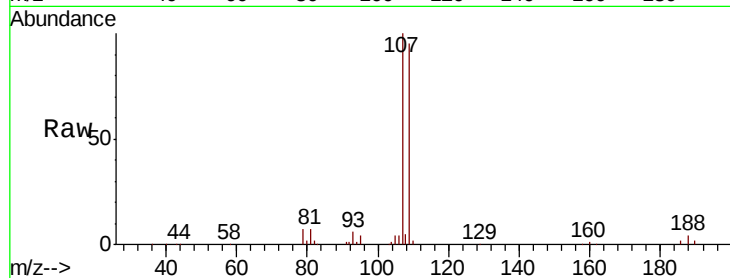
Tot Ion:107 Resp: 134443

Ion Ratio Lower Upper

107 100

109 94.6 66.1 122.8

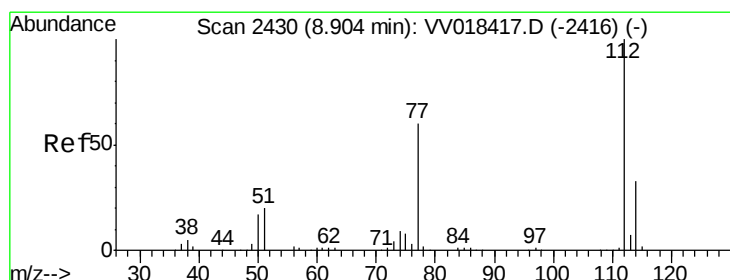
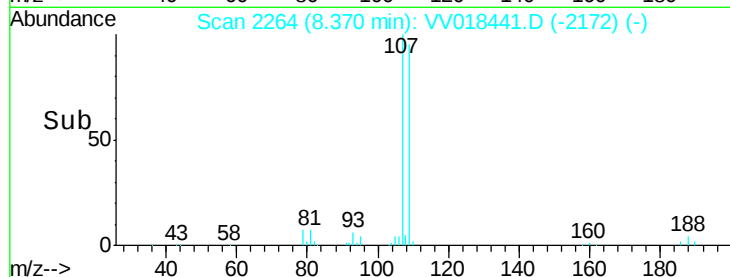
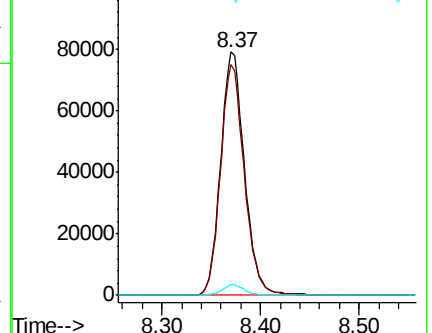
188 4.2 3.2 4.8



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: 50.531 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

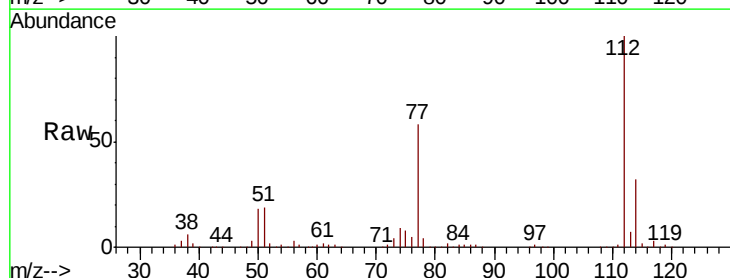
Tgt Ion:112 Resp: 361347

Ion Ratio Lower Upper

112 100

114 31.5 22.6 42.0

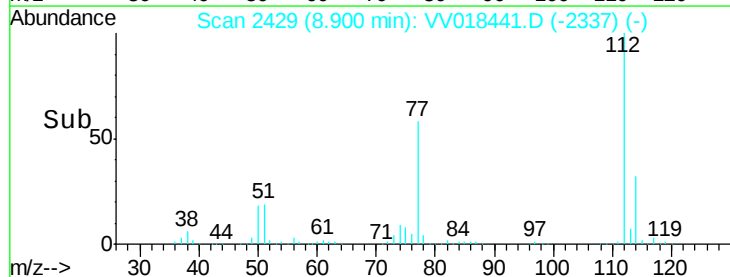
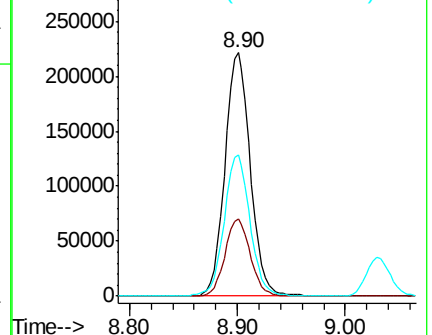
77 58.2 48.0 72.0

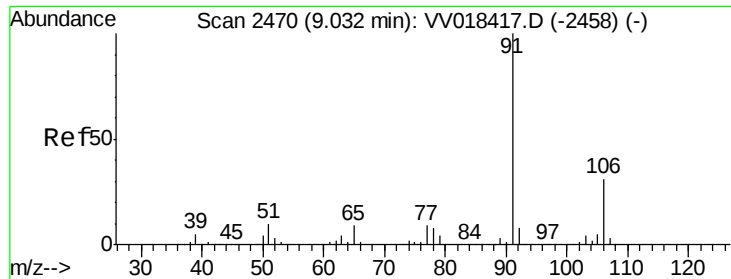


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

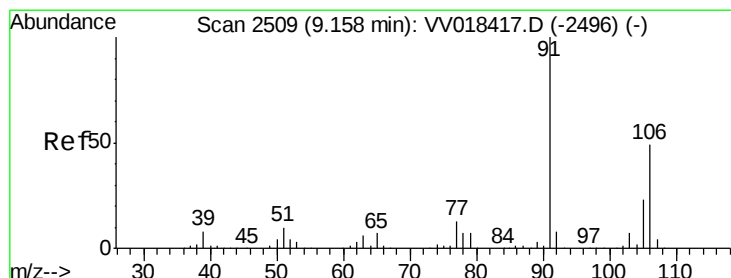
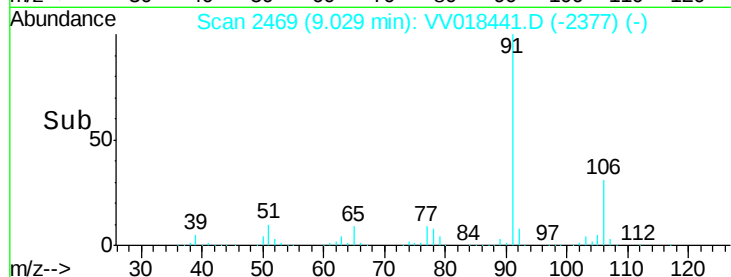
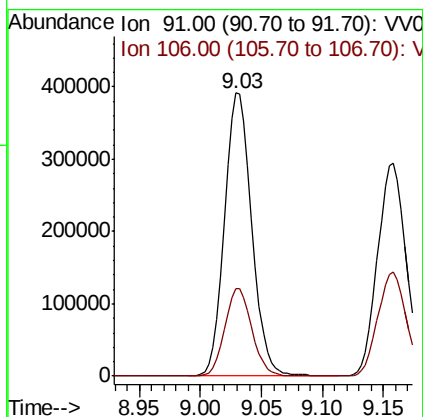
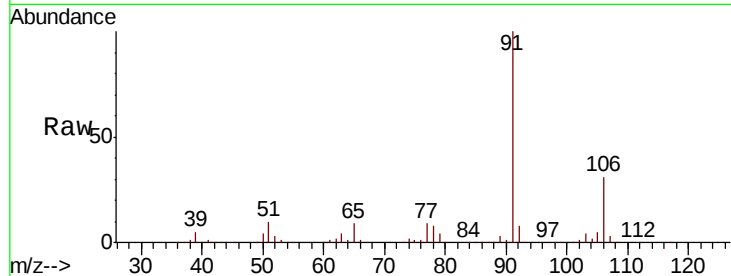




#52
Ethylbenzene
Concen: 51.186 ug/L
RT: 9.03 min Scan# 2469
Delta R.T. -0.00 min
Lab File: VV018441.D
Acq: 25 Sep 2020 09:16

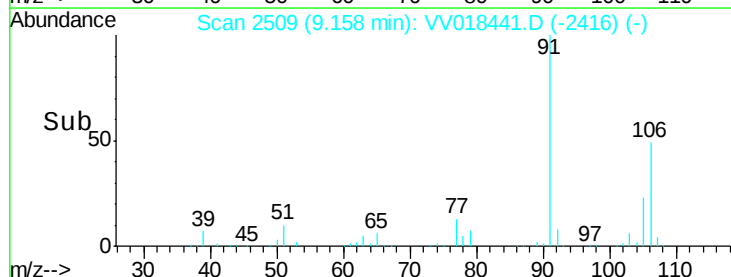
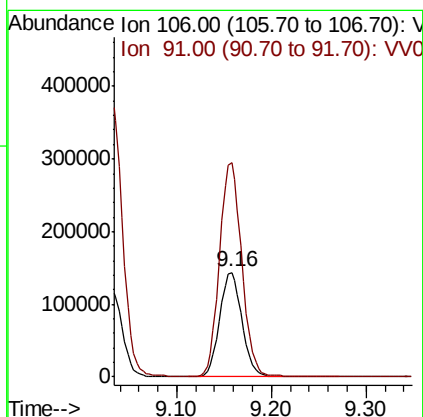
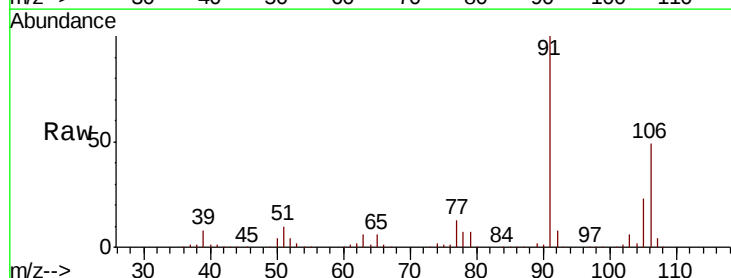
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

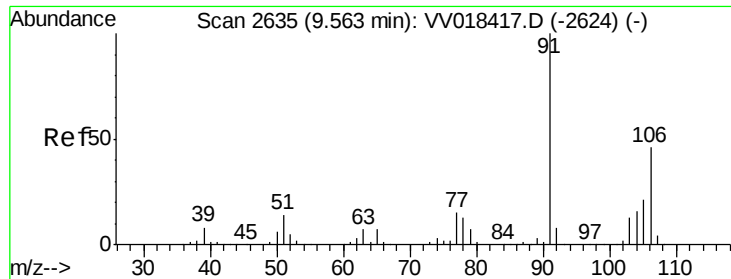
Tot Ion: 91 Resp: 615330
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.5



#53
m,p-Xylene
Concen: 52.314 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV018441.D
Acq: 25 Sep 2020 09:16

Tgt Ion: 106 Resp: 234734
Ion Ratio Lower Upper
106 100
91 204.4 146.7 272.5





#54

o-xylene

Concen: 52.228 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

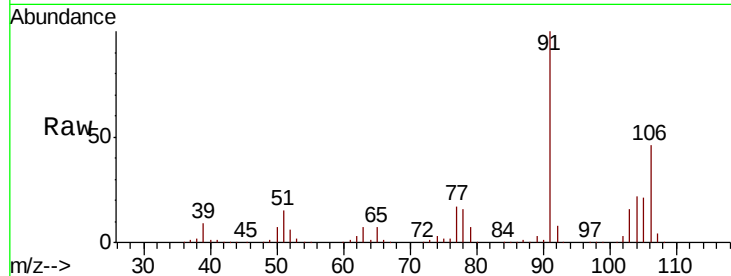
VSTD05087

Tot Ion:106 Resp: 225771

Ion Ratio Lower Upper

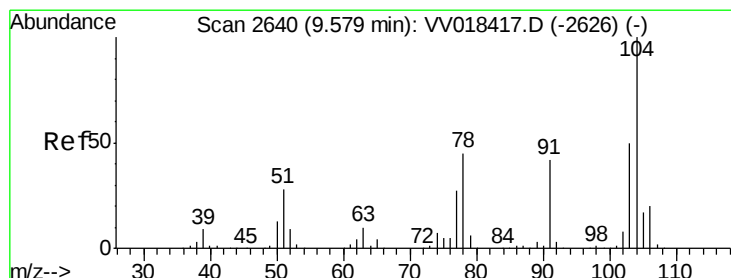
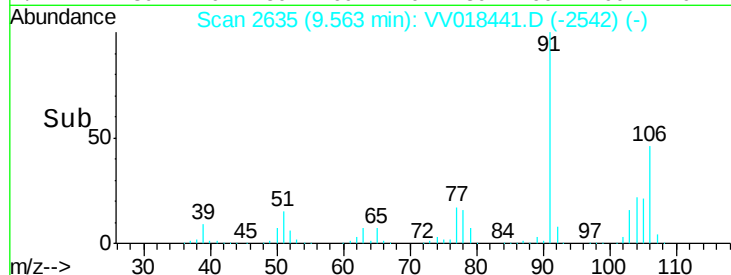
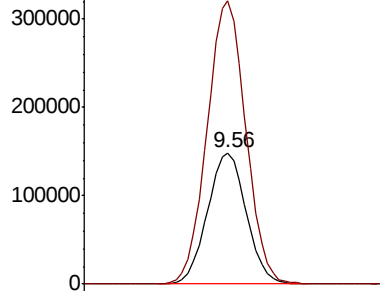
106 100

91 215.6 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.168 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018441.D

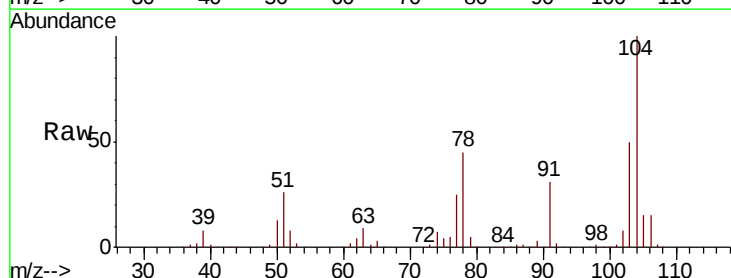
Acq: 25 Sep 2020 09:16

Tgt Ion:104 Resp: 399476

Ion Ratio Lower Upper

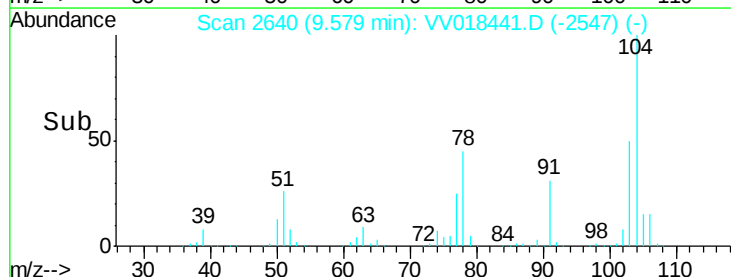
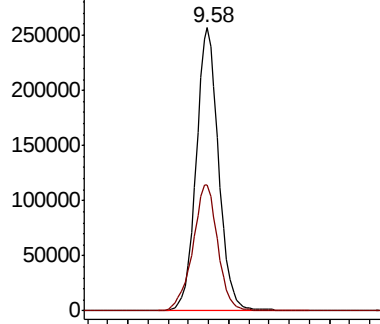
104 100

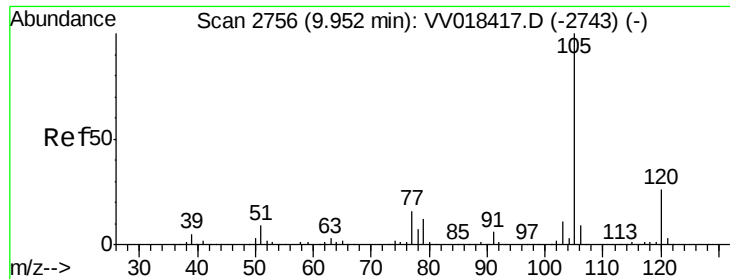
78 44.6 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.972 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

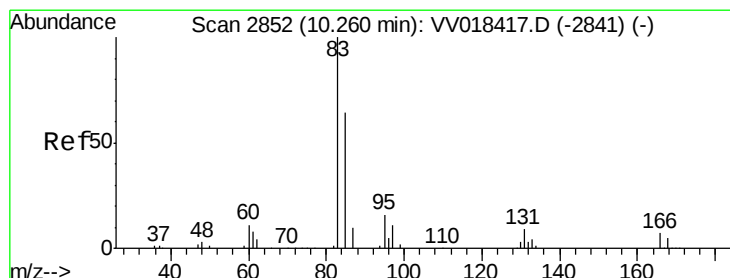
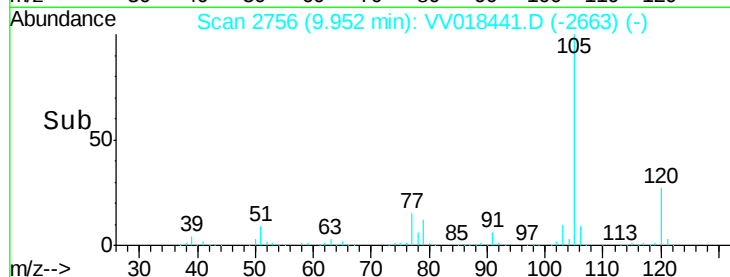
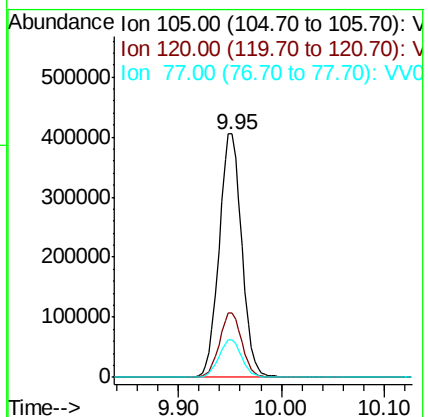
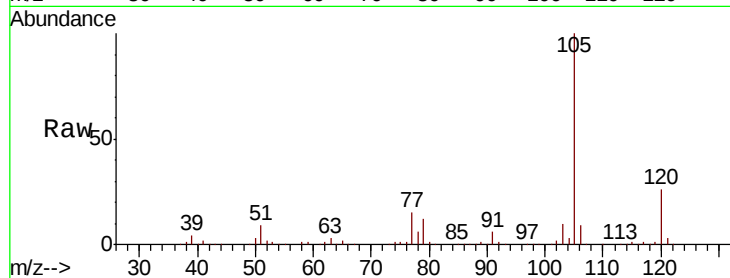
Tot Ion:105 Resp: 617135

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

77 15.4 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 49.763 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

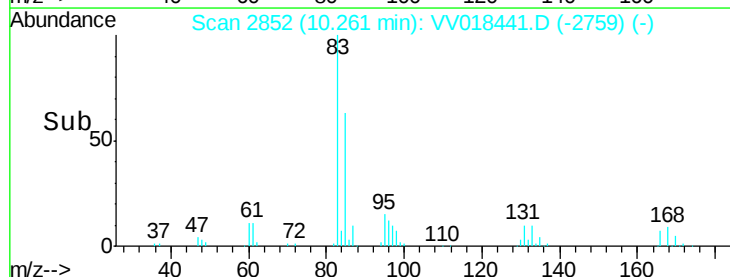
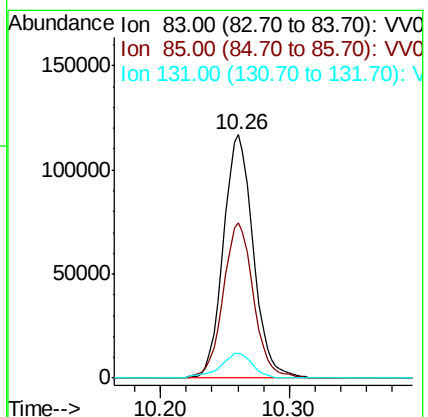
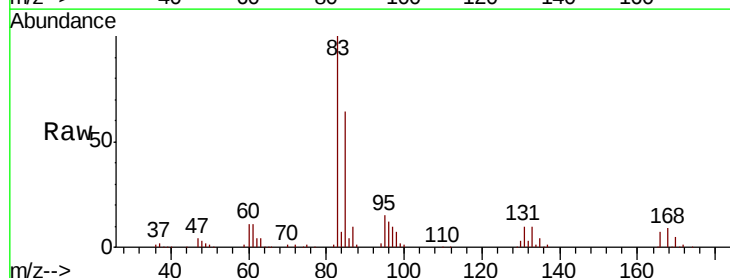
Tgt Ion: 83 Resp: 188115

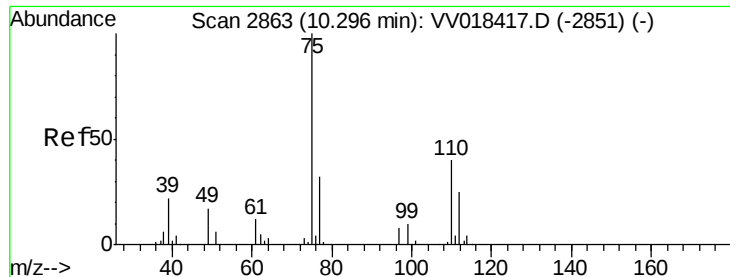
Ion Ratio Lower Upper

83 100

85 63.7 45.8 85.2

131 10.4 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 48.872 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

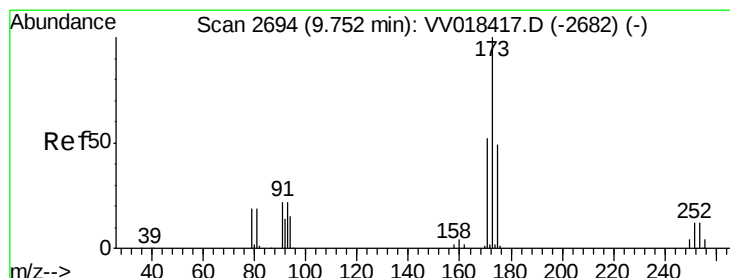
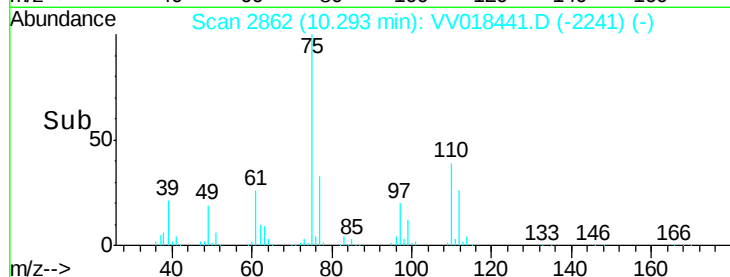
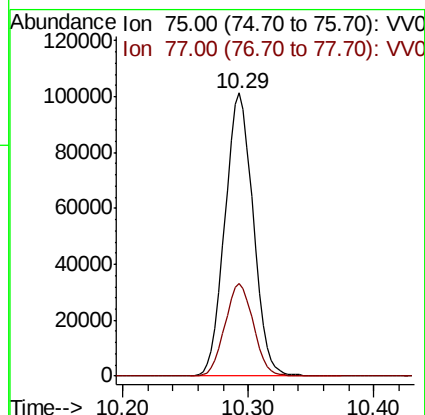
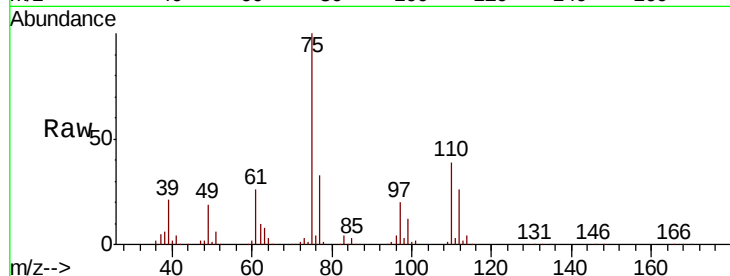
VSTD05087

Tot Ion: 75 Resp: 158487

Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.6



#61

Bromoform

Concen: 47.816 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

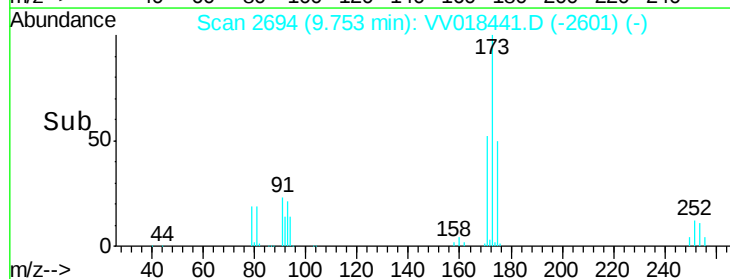
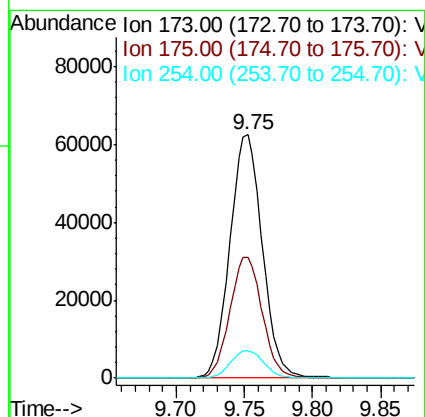
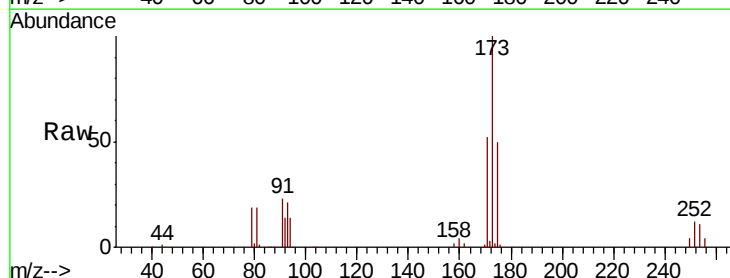
Tgt Ion: 173 Resp: 103293

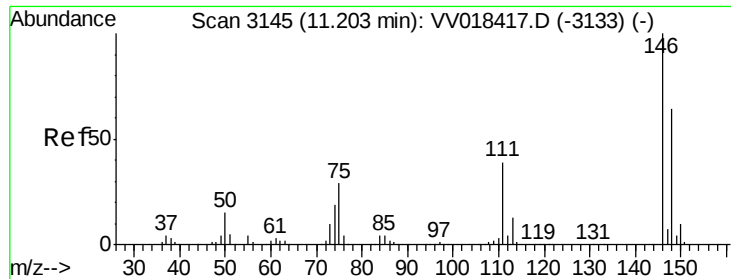
Ion Ratio Lower Upper

173 100

175 49.6 39.0 58.6

254 11.5 9.0 13.4





#62

1,3-Dichlorobenzene

Concen: 50.672 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. -0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

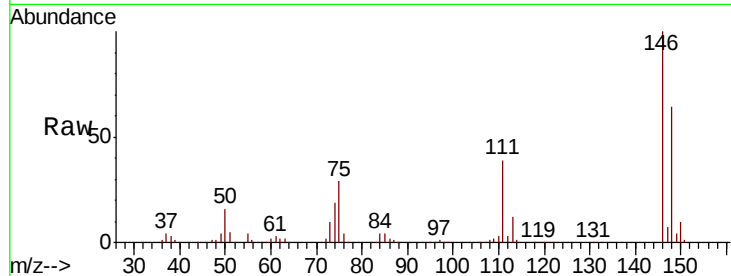
Tot Ion:146 Resp: 302989

Ion Ratio Lower Upper

146 100

111 39.1 27.6 51.2

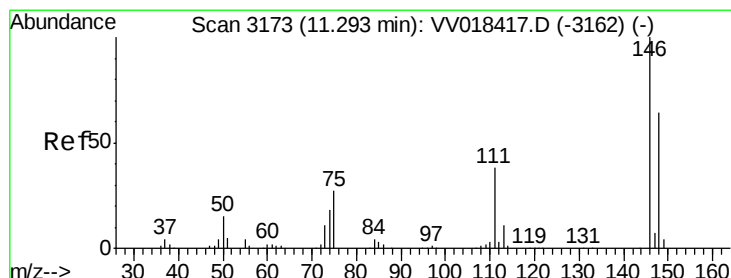
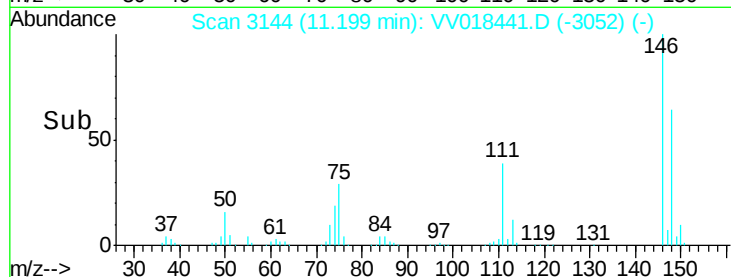
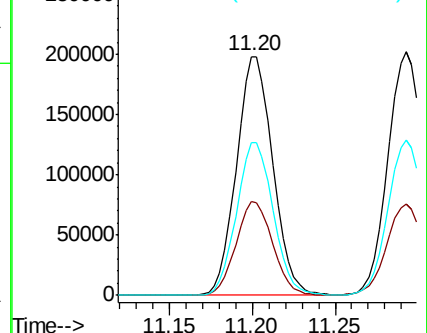
148 63.9 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.254 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

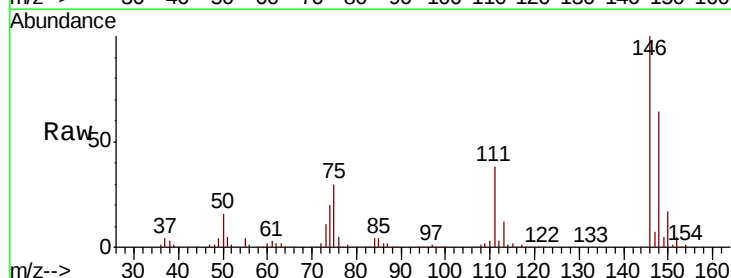
Tgt Ion:146 Resp: 308857

Ion Ratio Lower Upper

146 100

111 37.5 27.1 50.3

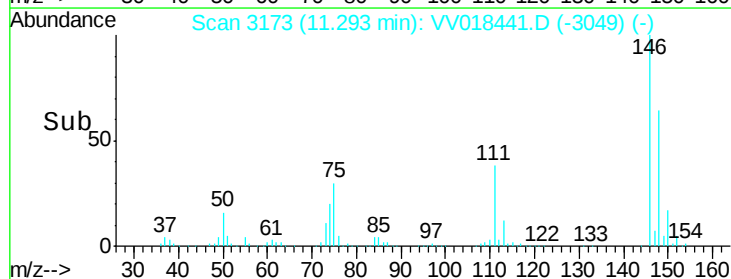
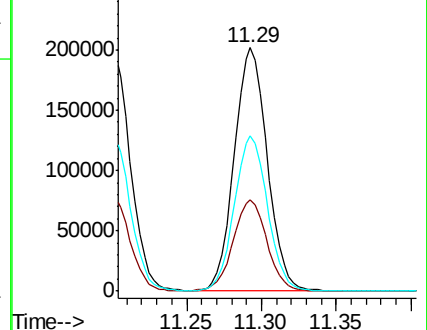
148 63.6 45.4 84.2

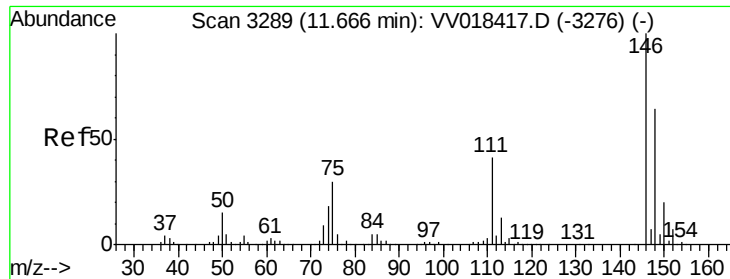


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.297 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

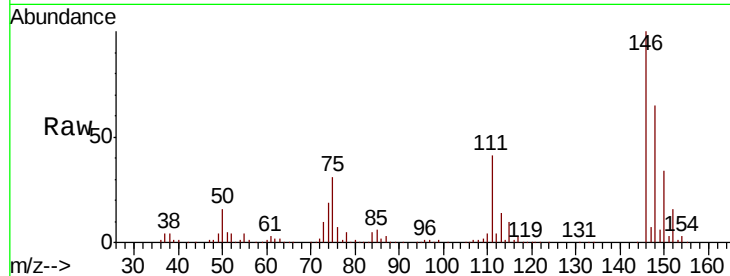
Tot Ion:146 Resp: 297942

Ion Ratio Lower Upper

146 100

111 41.0 32.8 49.2

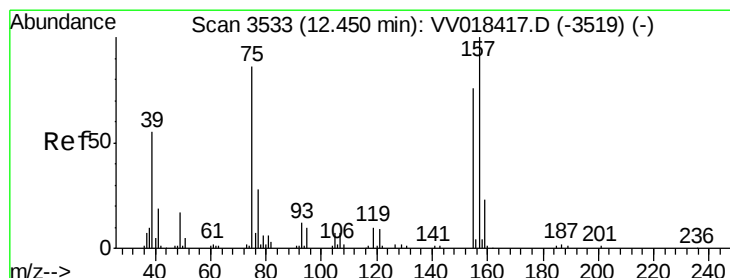
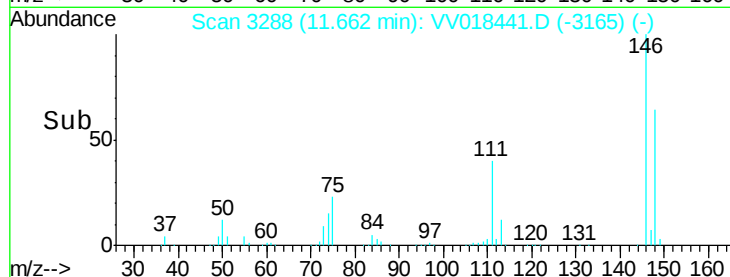
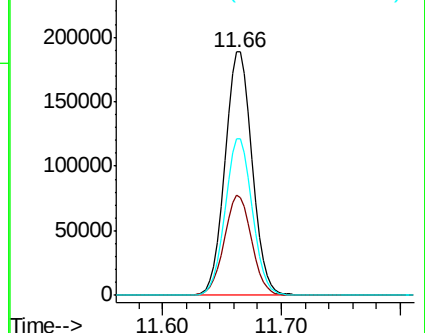
148 64.5 50.7 76.1



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: 46.928 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

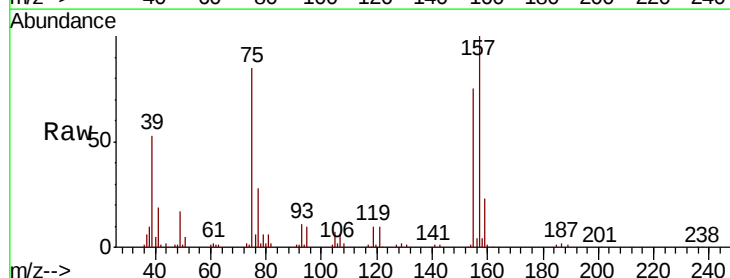
Tgt Ion: 75 Resp: 40023

Ion Ratio Lower Upper

75 100

155 88.2 69.7 104.5

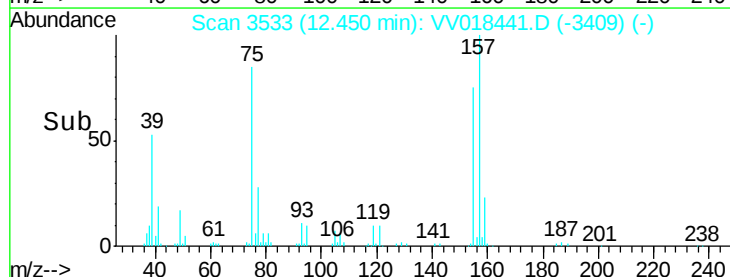
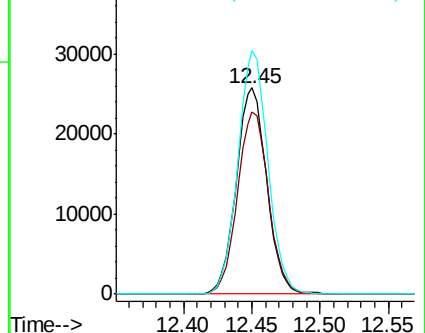
157 118.0 88.2 132.4

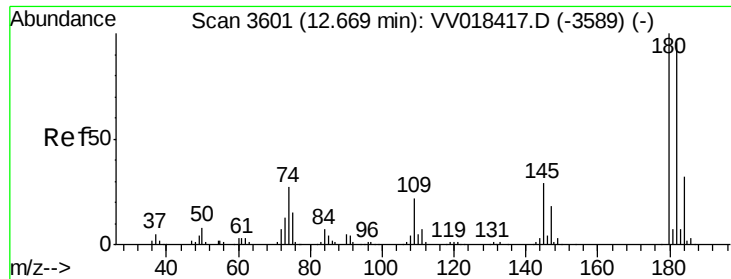


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

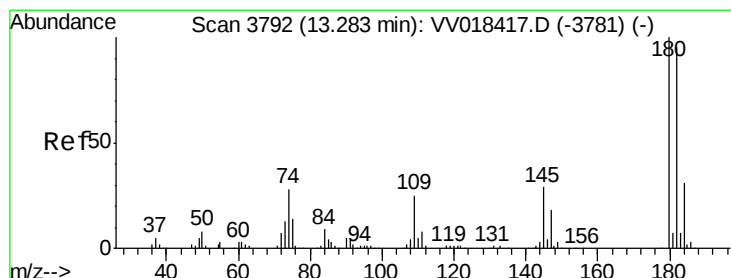
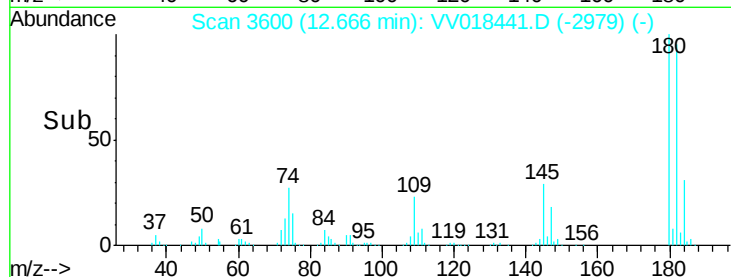
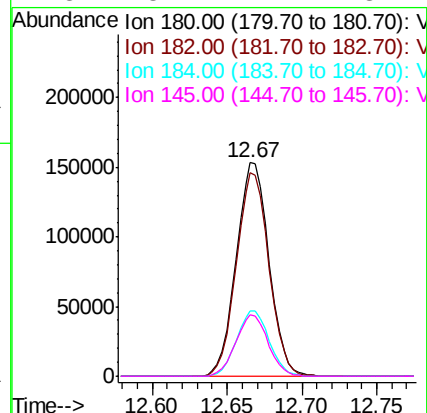
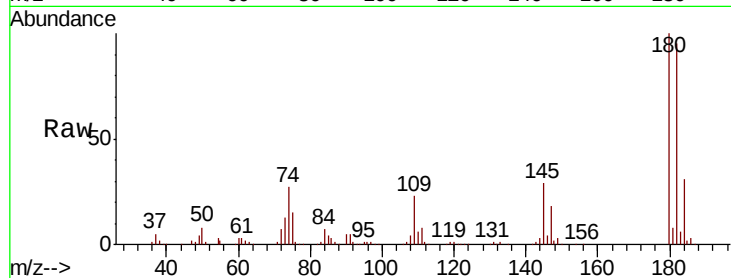




#67
 1,3,5-Trichlorobenzene
 Concen: 49.551 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018441.D
 Acq: 25 Sep 2020 09:16

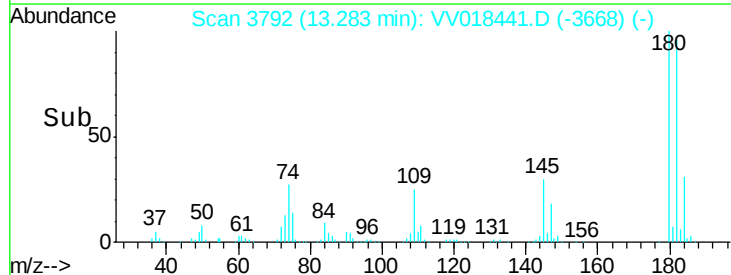
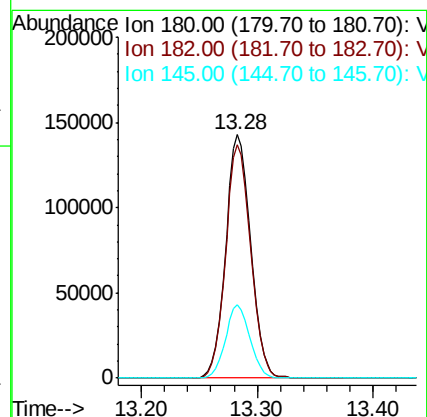
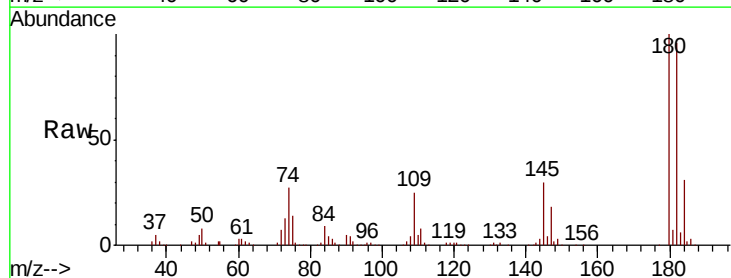
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

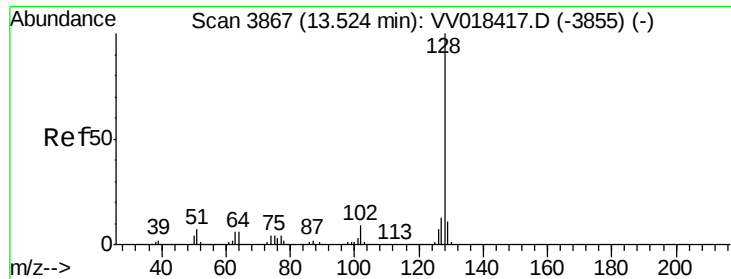
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.8	115.2
184	30.5	24.6	36.8
145	28.4	22.7	34.1



#68
 1,2,4-trichlorobenzene
 Concen: 51.093 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018441.D
 Acq: 25 Sep 2020 09:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.4	116.2
145	29.4	23.2	34.8





#69

Naphthalene

Concen: 56.086 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

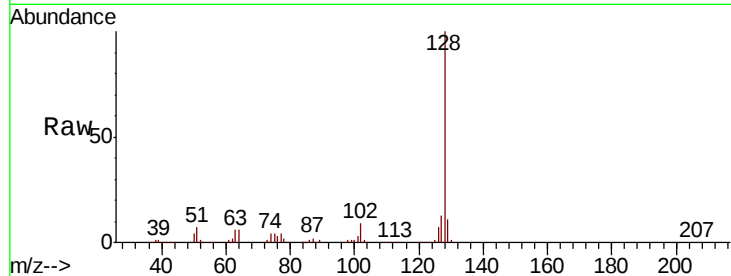
Tot Ion:128 Resp: 595713

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

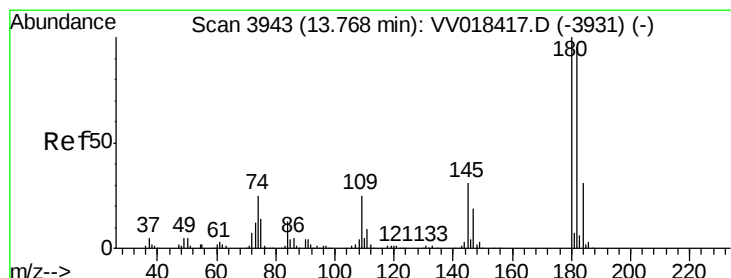
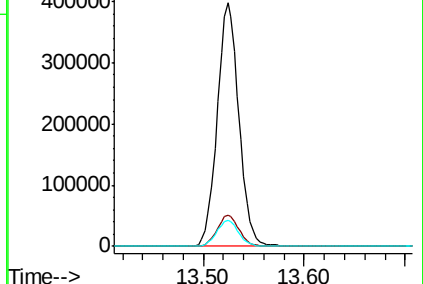
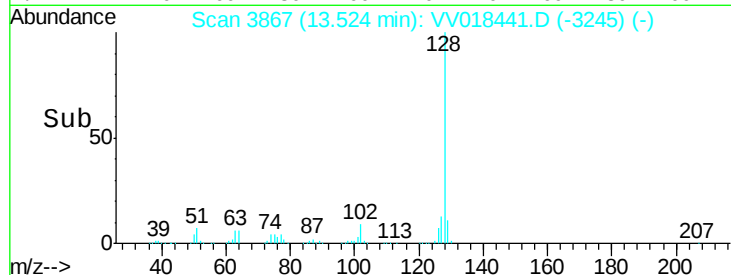
129 10.9 8.6 13.0



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: 51.458 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018441.D

Acq: 25 Sep 2020 09:16

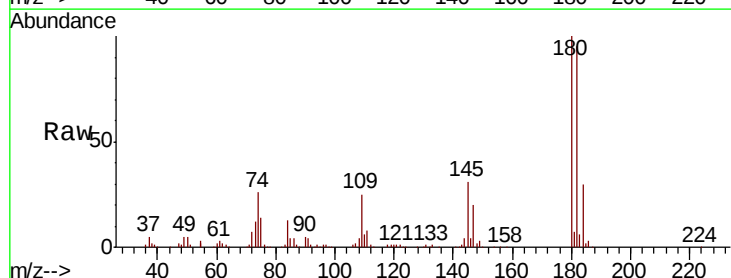
Tgt Ion:180 Resp: 212749

Ion Ratio Lower Upper

180 100

182 95.2 76.5 114.7

145 30.8 24.9 37.3



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

