

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122920\
 Data File : VV019857.D
 Acq On : 29 Dec 2020 11:36
 Operator : SY/MD
 Sample : VSTD00564
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Quant Time: Dec 29 12:15:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 29 12:12:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	294000	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	281299	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.26	152	136237	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.30	65	100781	7.92	ug/L	0.00
7) Chloroethane-d5	1.56	69	85569	8.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.10	63	207881	8.48	ug/L	0.00
20) 2-Butanone-d5	3.94	46	210808	79.85	ug/L	0.00
24) Chloroform-d	4.35	84	189697	6.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.04	65	95079	5.64	ug/L	0.00
32) Benzene-d6	5.05	84	365648	5.08	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.07	67	110630	5.36	ug/L	0.00
41) Toluene-d8	7.32	98	324375	4.75	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.63	79	39091	4.62	ug/L	0.00
46) 2-Hexanone-d5	8.10	63	160402	53.66	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.22	84	69150	4.69	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.63	152	101796	4.37	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	136640	4.844 ug/L	100
3) Chloromethane	1.24	50	149608	9.533 ug/L	100
5) Vinyl chloride	1.31	62	145344	9.131 ug/L	100
6) Bromomethane	1.52	94	85622	9.052 ug/L	100
8) Chloroethane	1.58	64	89278	10.065 ug/L	100
9) Trichlorofluoromethane	1.75	101	175244	6.388 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	95756	7.690 ug/L	100
12) 1,1-Dichloroethene	2.11	96	96987	8.366 ug/L	100
13) Acetone	2.24	43	160370	93.536 ug/L	100
14) Carbon disulfide	2.29	76	334790	5.920 ug/L	100
15) Methyl Acetate	2.45	43	45828	7.898 ug/L	100
16) Methylene chloride	2.51	84	113866	5.406 ug/L	100
17) Methyl tert-butyl Ether	2.78	73	245255	5.735 ug/L	100
18) trans-1,2-Dichloroethene	2.76	96	109651	5.369 ug/L	100
19) 1,1-Dichloroethane	3.19	63	217119	6.230 ug/L	100
21) 2-Butanone	4.01	43	272931	91.609 ug/L	100
22) cis-1,2-Dichloroethene	3.91	96	114382	5.293 ug/L	100
23) Bromochloromethane	4.25	128	47108	5.260 ug/L	100
25) Chloroform	4.38	83	212994	4.664 ug/L	100
27) 1,2-Dichloroethane	5.14	62	130518	6.263 ug/L	100
29) 1,1,1-Trichloroethane	4.61	97	180631	5.191 ug/L	100
30) Cyclohexane	4.68	56	182634	5.548 ug/L	100
31) Carbon tetrachloride	4.83	117	148969	5.012 ug/L	100
33) Benzene	5.10	78	447986	5.596 ug/L	100
34) Trichloroethene	5.92	95	117570	5.228 ug/L	100
35) Methylcyclohexane	6.14	83	179912	4.899 ug/L	100
37) 1,2-Dichloropropane	6.18	63	116326	6.034 ug/L	100
38) Bromodichloromethane	6.51	83	139116	5.304 ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	157132	5.365 ug/L	100
40) 4-Methyl-2-pentanone	7.23	43	655068	68.553 ug/L	100

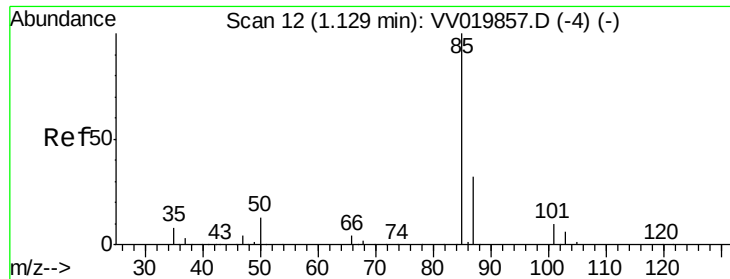
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 QLast Update : Tue Dec 29 12:12:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.39	91	461914	5.354	ug/L	100
44) trans-1,3-Dichloropropene	7.66	75	126829	5.404	ug/L	100
45) 1,1,2-Trichloroethane	7.85	97	73418	5.332	ug/L	100
47) Tetrachloroethene	7.98	164	79714	4.642	ug/L	100
48) 2-Hexanone	8.15	43	458867	67.089	ug/L	100
49) Dibromochloromethane	8.25	129	79386	4.640	ug/L	100
50) 1,2-Dibromoethane	8.36	107	67611	5.186	ug/L	100
51) Chlorobenzene	8.89	112	284590	5.042	ug/L	100
52) Ethylbenzene	9.02	91	502465	5.152	ug/L	100
53) m,p-xylene	9.14	106	185761	5.019	ug/L	100
54) o-xylene	9.55	106	180313	5.056	ug/L	100
55) Styrene	9.57	104	308494	5.211	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.25	83	80037	5.181	ug/L	100
59) Bromoform	9.74	173	35936	4.301	ug/L	100
60) Isopropylbenzene	9.94	105	481703	5.103	ug/L	100
61) 1,2,3-Trichloropropane	10.28	75	64084	5.755	ug/L	100
62) 1,3,5-Trimethylbenzene	10.55	105	400937	5.102	ug/L	100
63) 1,2,4-Trimethylbenzene	10.92	105	414118	5.322	ug/L	100
64) 1,3-Dichlorobenzene	11.19	146	208796	4.766	ug/L	100
65) 1,4-Dichlorobenzene	11.28	146	207852	4.838	ug/L	100
67) 1,2-Dichlorobenzene	11.65	146	191785	4.945	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.44	75	12825	5.017	ug/L	100
69) 1,3,5-Trichlorobenzene	12.65	180	156132	4.831	ug/L	100
70) 1,2,4-trichlorobenzene	13.27	180	128191	4.772	ug/L	100
71) Naphthalene	13.51	128	200293	4.462	ug/L	100
72) 1,2,3-Trichlorobenzene	13.75	180	111280	4.743	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.844 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

Instrument :

MSVOA_V

ClientSampleId :

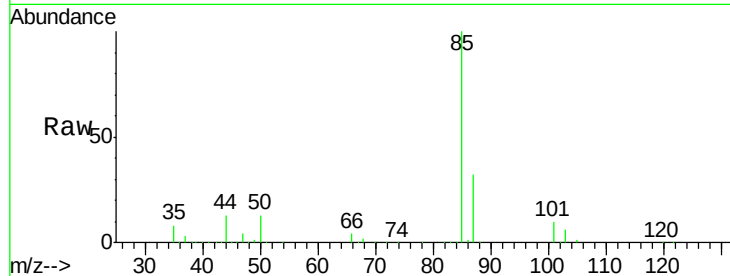
VSTD00564

Tgt Ion: 85 Resp: 136640

Ion Ratio Lower Upper

85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

150000

100000

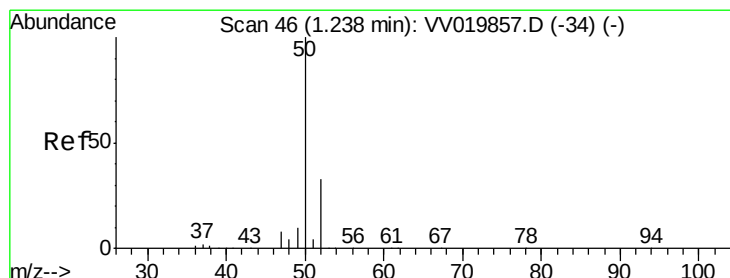
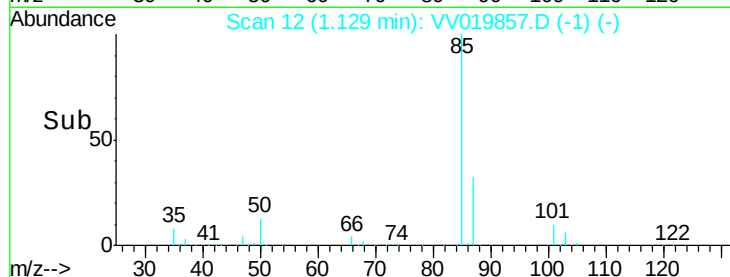
50000

0

1.13

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 9.533 ug/L

RT: 1.24 min Scan# 46

Delta R.T. 0.00 min

Lab File: VV019857.D

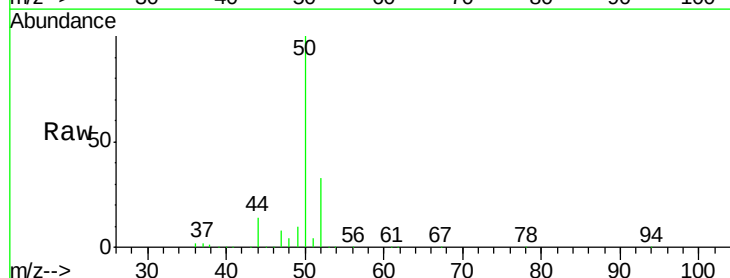
Acq: 29 Dec 2020 11:36

Tgt Ion: 50 Resp: 149608

Ion Ratio Lower Upper

50 100

52 33.0 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

150000

100000

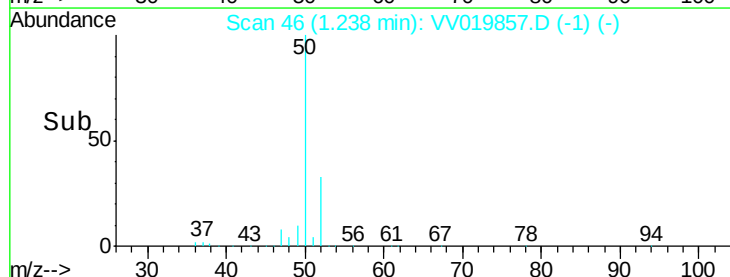
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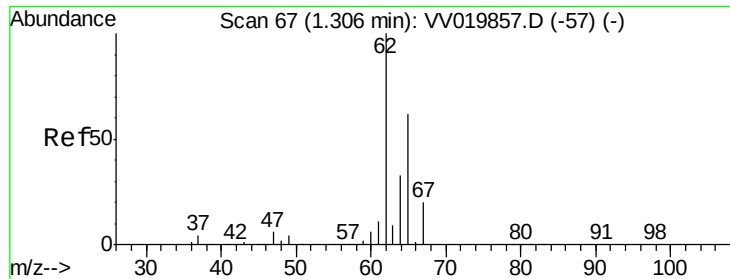
0

1.24

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 9.131 ug/L

RT: 1.31 min Scan# 67

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

Instrument :

MSVOA_V

ClientSampleId :

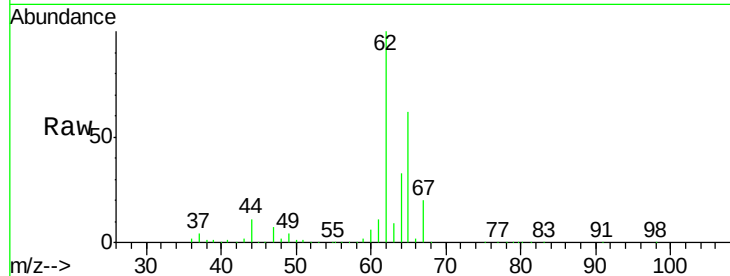
VSTD00564

Tgt Ion: 62 Resp: 145344

Ion Ratio Lower Upper

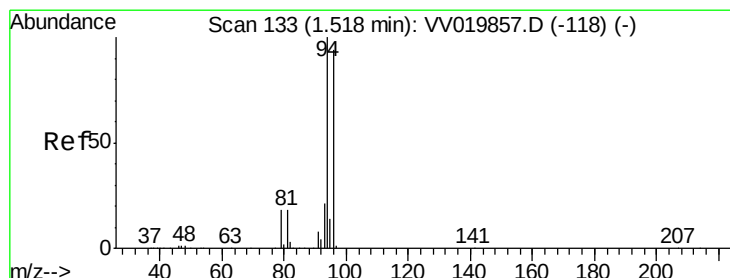
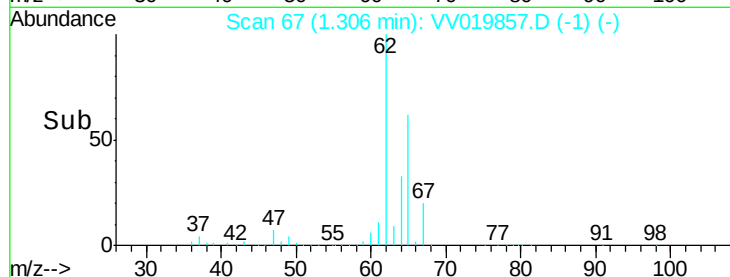
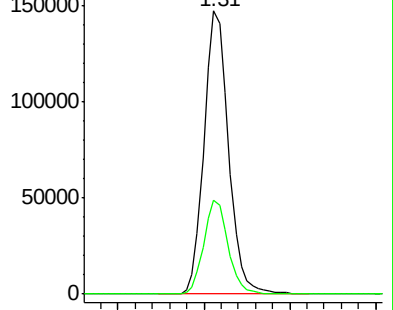
62 100

64 33.2 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV019857.D (-57) (-)

Ion 64.10 (63.80 to 64.80): VV019857.D (-57) (-)



#6

Bromomethane

Concen: 9.052 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV019857.D

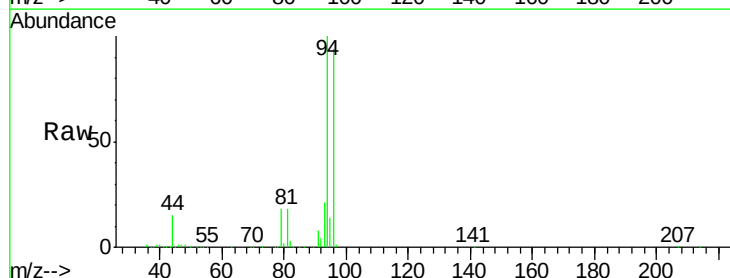
Acq: 29 Dec 2020 11:36

Tgt Ion: 94 Resp: 85622

Ion Ratio Lower Upper

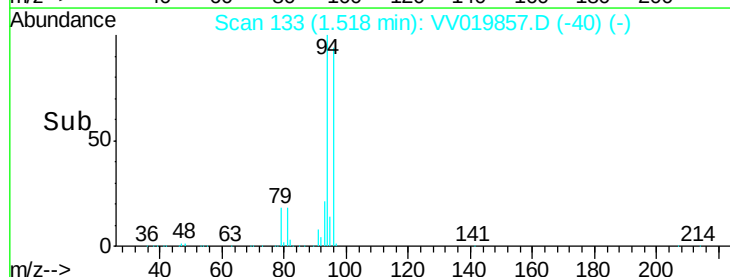
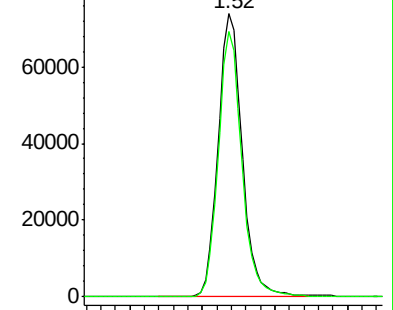
94 100

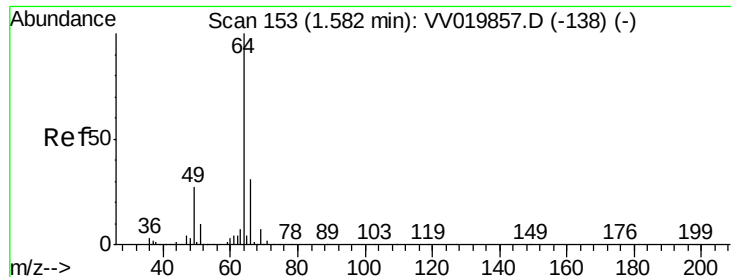
96 93.7 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV019857.D (-118) (-)

Ion 96.00 (95.70 to 96.70): VV019857.D (-118) (-)

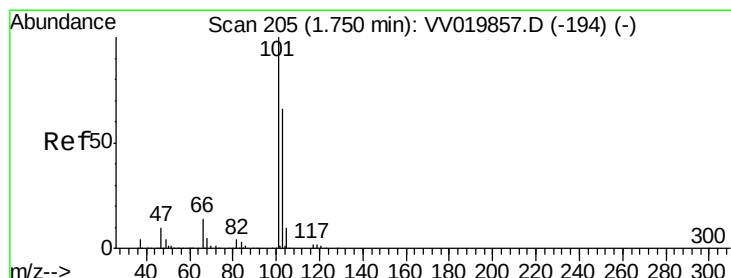
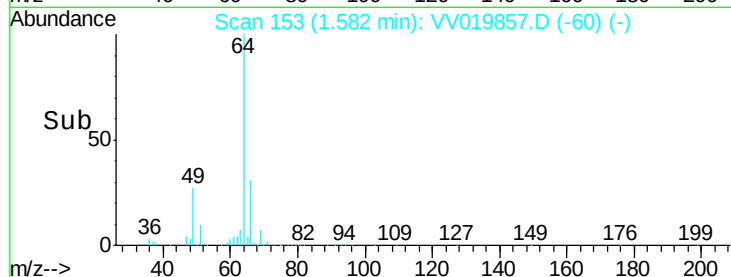
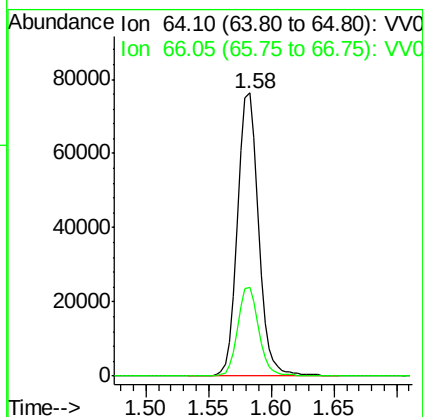
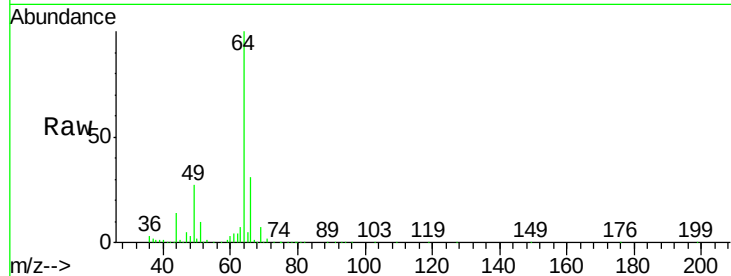




#8
Chloroethane
Concen: 10.065 ug/L
RT: 1.58 min Scan# 153
Delta R.T. 0.00 min
Lab File: VV019857.D
Acq: 29 Dec 2020 11:36

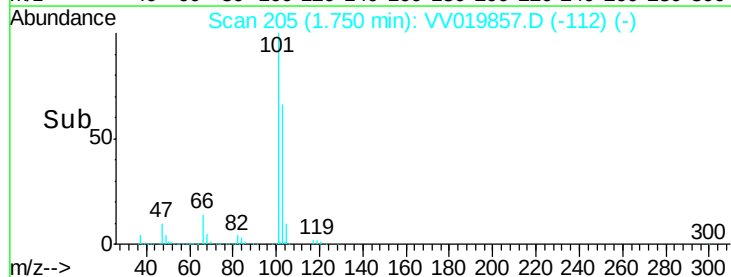
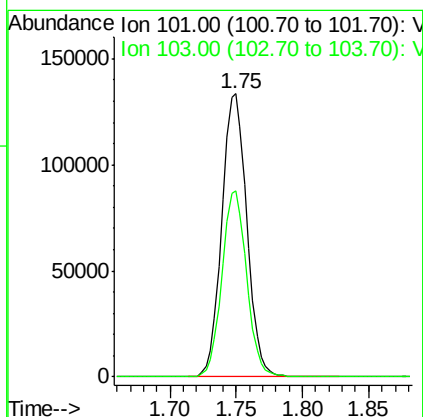
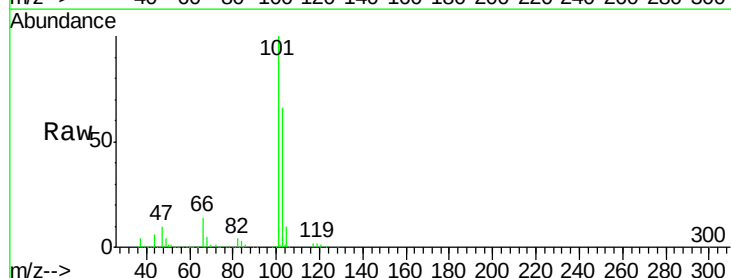
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

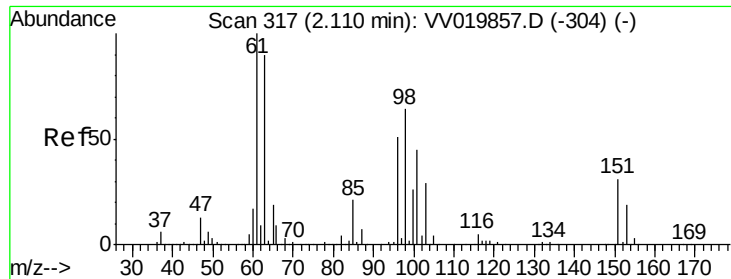
Tgt Ion: 64 Resp: 89278
Ion Ratio Lower Upper
64 100
66 31.4 22.0 40.8



#9
Trichlorofluoromethane
Concen: 6.388 ug/L
RT: 1.75 min Scan# 205
Delta R.T. 0.00 min
Lab File: VV019857.D
Acq: 29 Dec 2020 11:36

Tgt Ion: 101 Resp: 175244
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8





#10

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

Concen: 7.690 ug/L

RT: 2.11 min Scan# 317

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

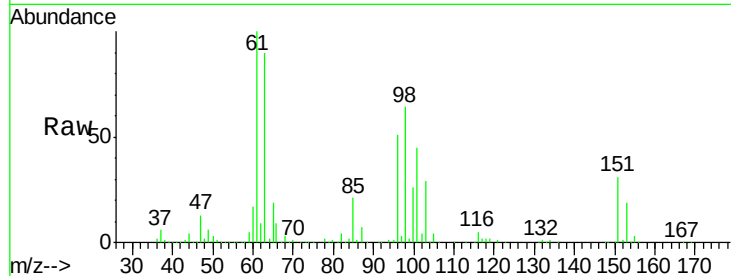
Tgt Ion:101 Resp: 95756

Ion Ratio Lower Upper

101 100

85 45.5 36.4 54.6

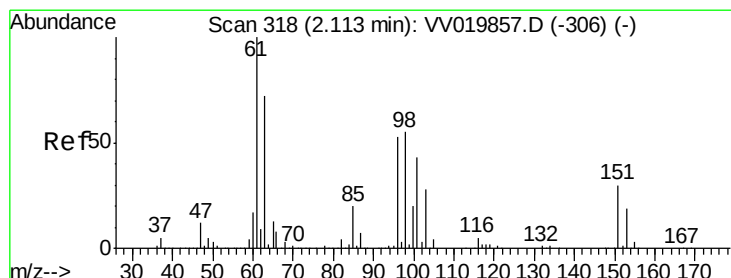
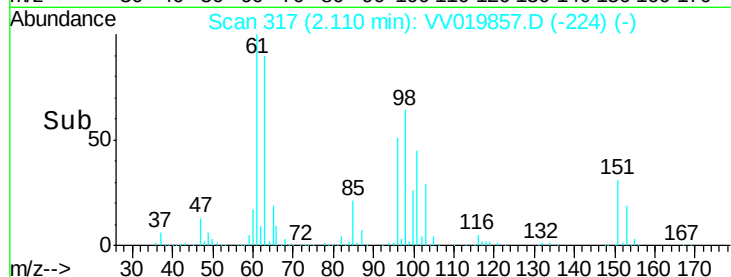
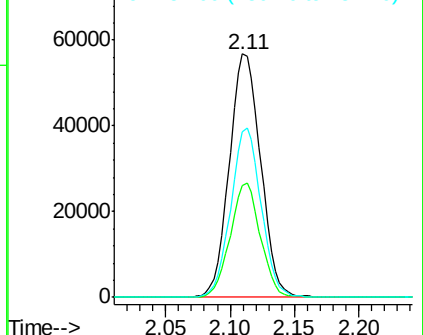
151 67.6 54.1 81.1



Abundance Ion 101.00 (100.70 to 101.70): VV019857.D (-304) (-)

Ion 85.00 (84.70 to 85.70): VV019857.D (-304) (-)

Ion 151.00 (150.70 to 151.70): VV019857.D (-304) (-)



#12

1,1-Dichloroethene

Concen: 8.366 ug/L

RT: 2.11 min Scan# 318

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

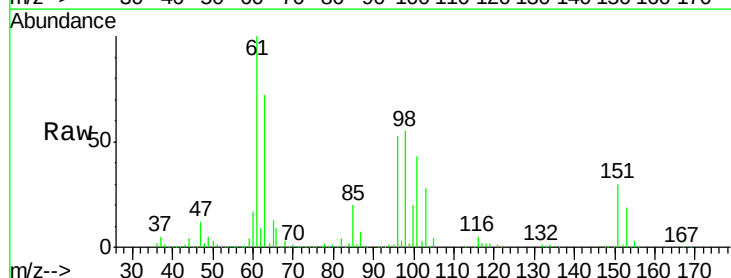
Tgt Ion: 96 Resp: 96987

Ion Ratio Lower Upper

96 100

61 187.8 131.5 244.1

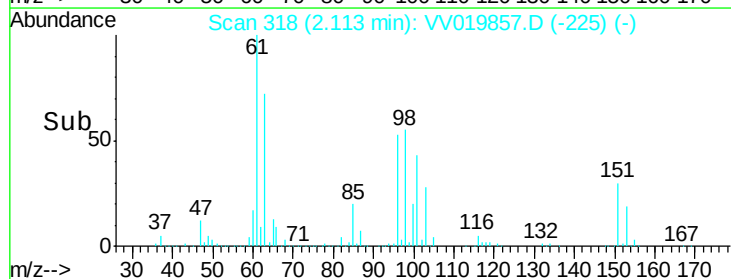
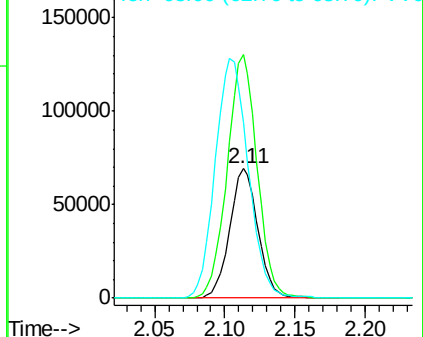
63 136.0 95.2 176.8

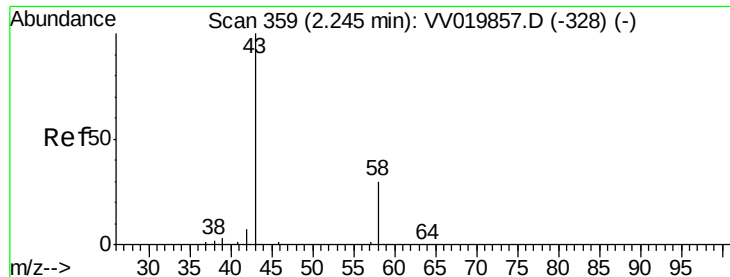


Abundance Ion 96.00 (95.70 to 96.70): VV019857.D (-306) (-)

Ion 61.05 (60.75 to 61.75): VV019857.D (-306) (-)

Ion 63.00 (62.70 to 63.70): VV019857.D (-306) (-)





#13

Acetone

Concen: 93.536 ug/L

RT: 2.24 min Scan# 359

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

Instrument :

MSVOA_V

ClientSampleId :

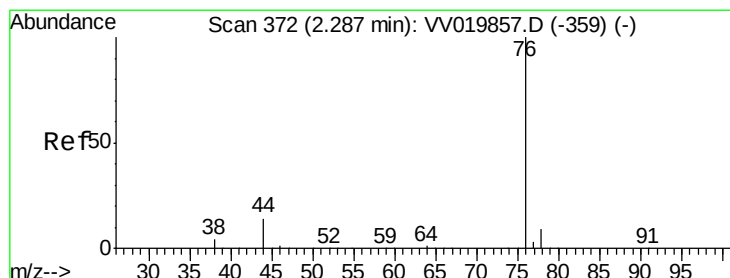
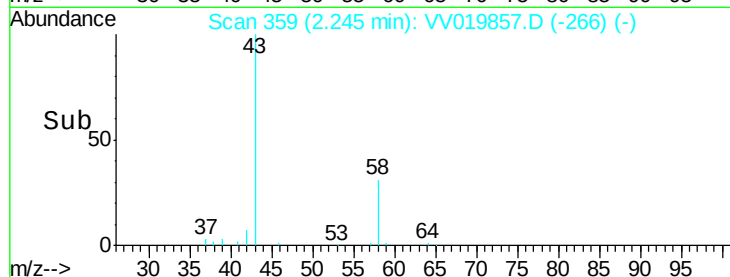
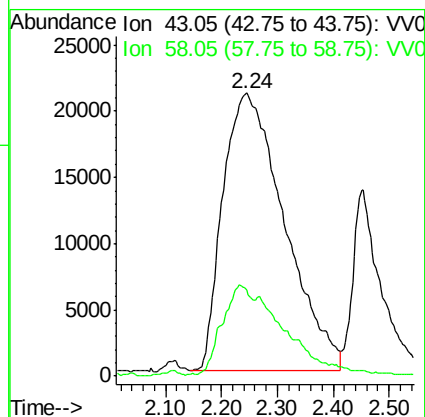
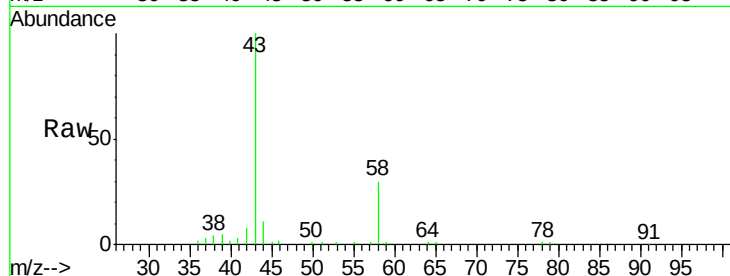
VSTD00564

Tgt Ion: 43 Resp: 160370

Ion Ratio Lower Upper

43 100

58 15.7 0.0 31.4



#14

Carbon disulfide

Concen: 5.920 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VV019857.D

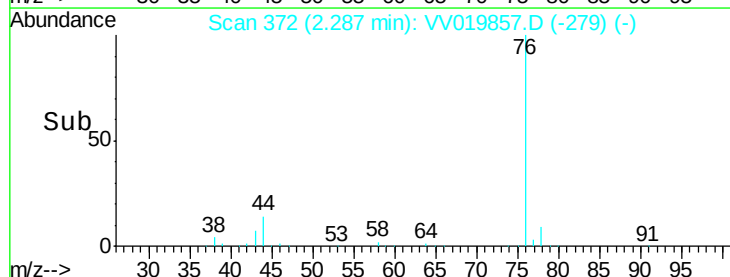
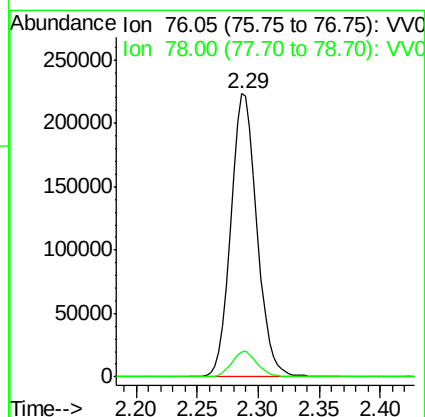
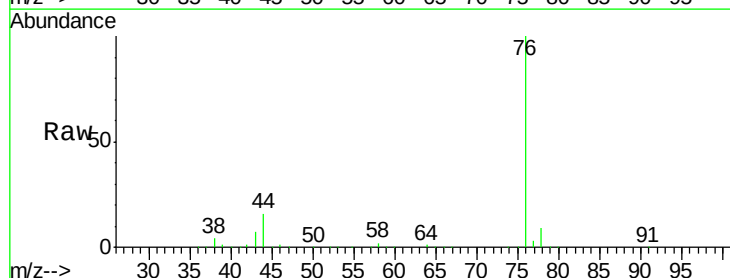
Acq: 29 Dec 2020 11:36

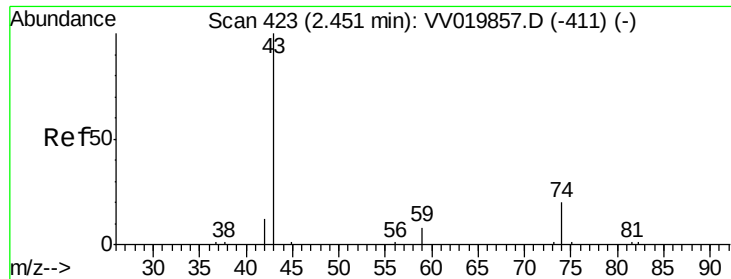
Tgt Ion: 76 Resp: 334790

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

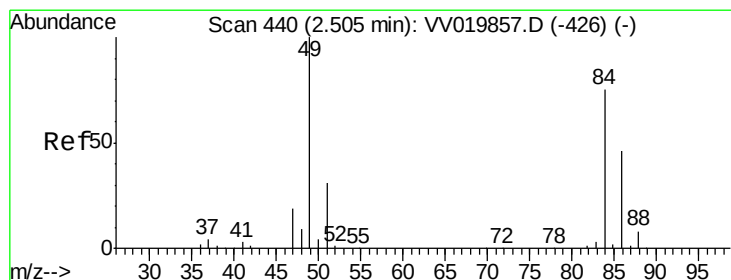
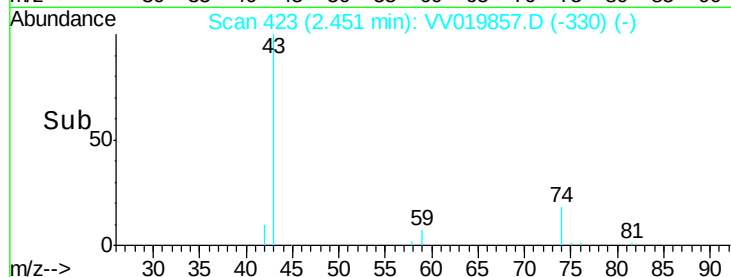
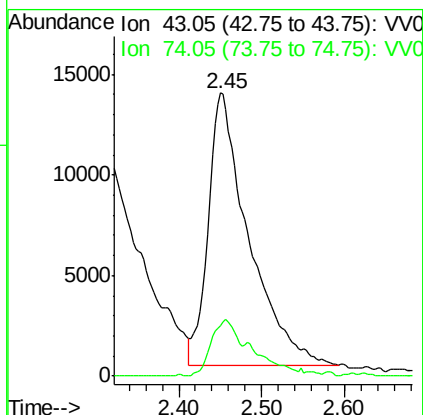
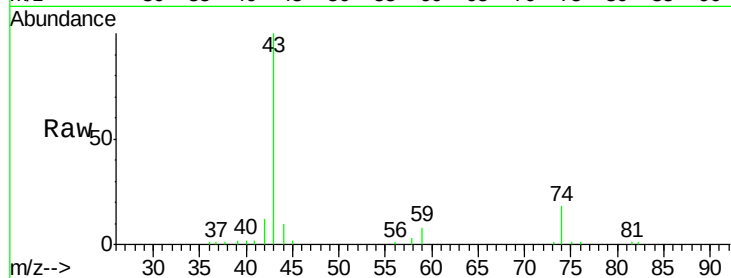




#15
Methyl Acetate
Concen: 7.898 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV019857.D
Acq: 29 Dec 2020 11:36

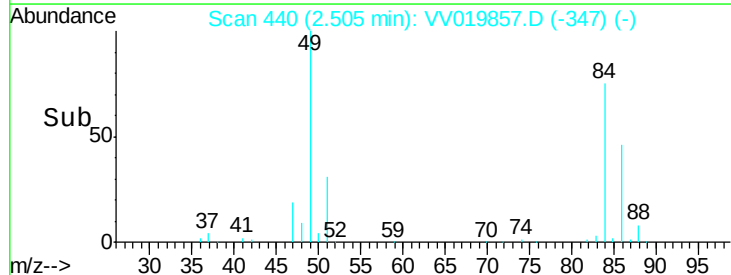
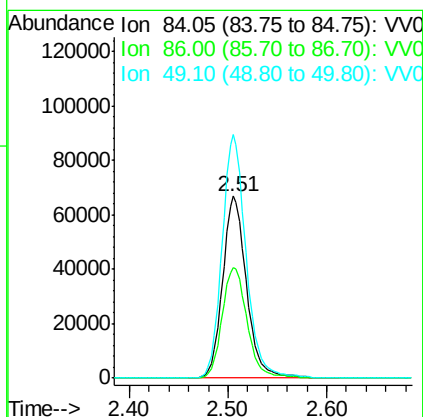
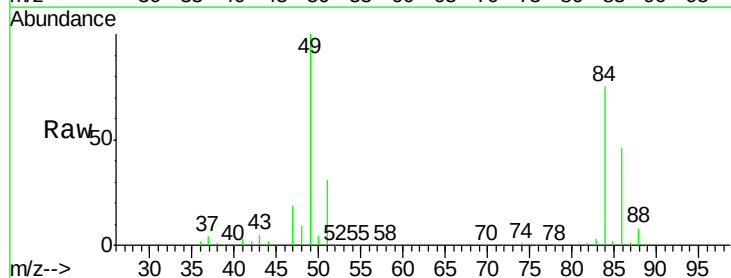
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

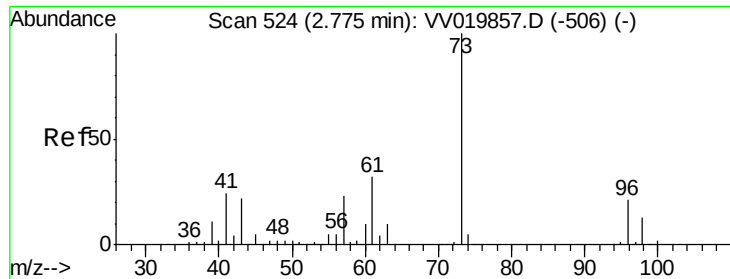
Tgt Ion: 43 Resp: 45828
Ion Ratio Lower Upper
43 100
74 13.3 10.6 16.0



#16
Methylene chloride
Concen: 5.406 ug/L
RT: 2.51 min Scan# 440
Delta R.T. 0.00 min
Lab File: VV019857.D
Acq: 29 Dec 2020 11:36

Tgt Ion: 84 Resp: 113866
Ion Ratio Lower Upper
84 100
86 61.1 42.8 79.4
49 134.1 93.9 174.3

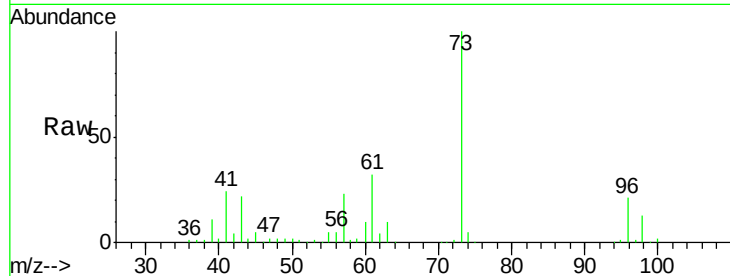




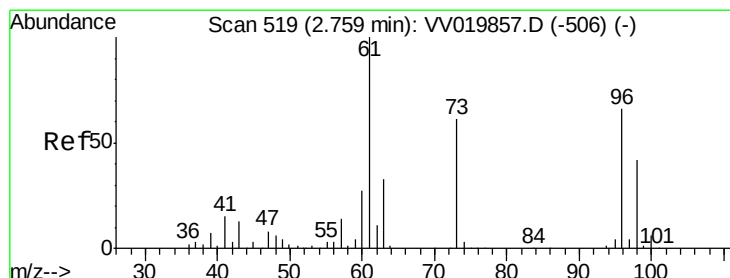
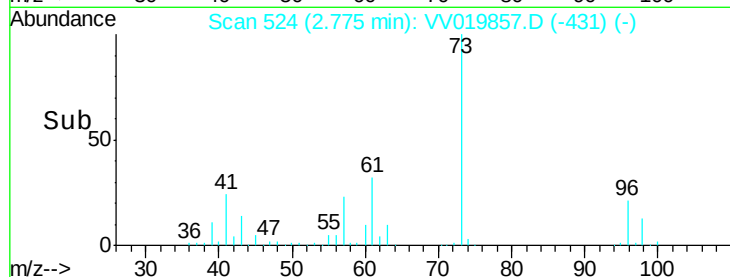
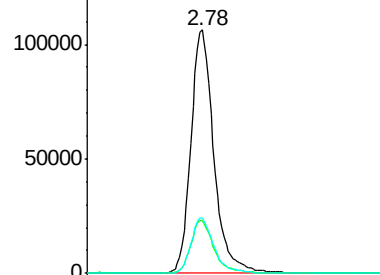
#17
Methyl tert-butyl Ether
Concen: 5.735 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV019857.D
Acq: 29 Dec 2020 11:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tgt Ion: 73 Resp: 245255
Ion Ratio Lower Upper
73 100
43 21.3 17.0 25.6
57 22.8 18.2 27.4

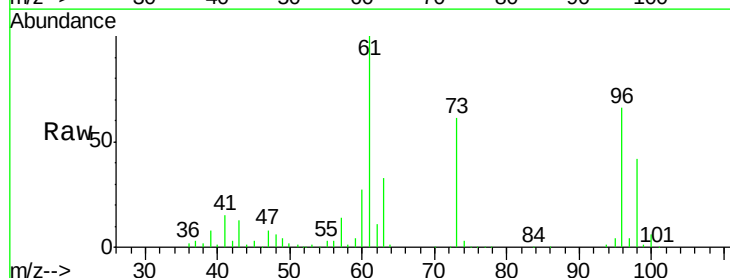


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

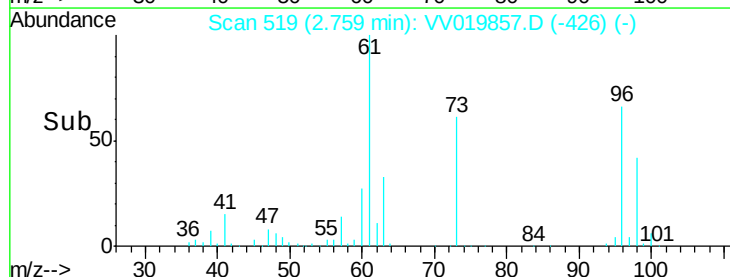
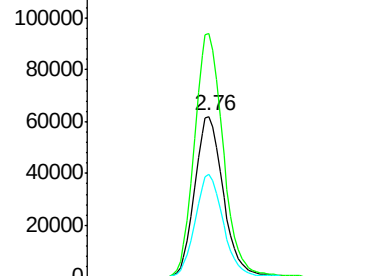


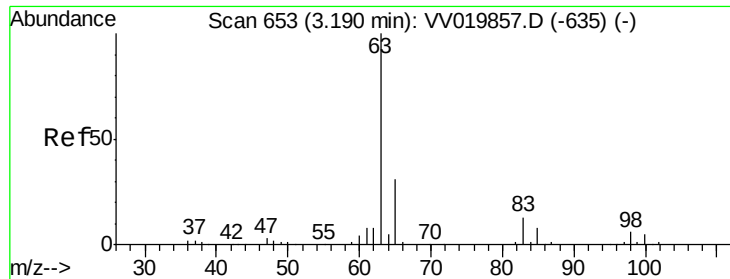
#18
trans-1,2-Dichloroethene
Concen: 5.369 ug/L
RT: 2.76 min Scan# 519
Delta R.T. 0.00 min
Lab File: VV019857.D
Acq: 29 Dec 2020 11:36

Tgt Ion: 96 Resp: 109651
Ion Ratio Lower Upper
96 100
61 151.8 106.3 197.3
98 63.8 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

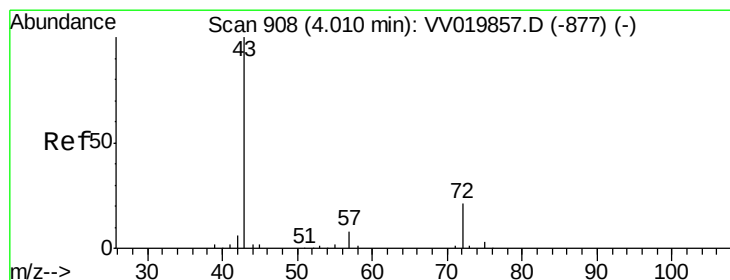
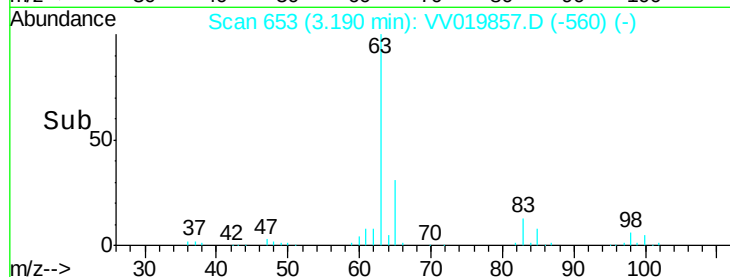
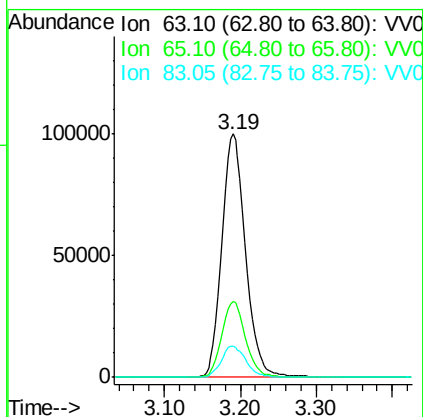
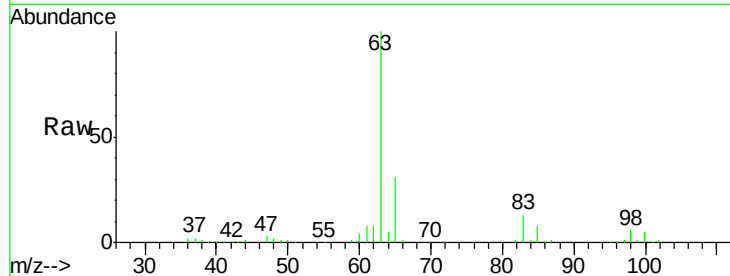




#19
 1,1-Dichloroethane
 Concen: 6.230 ug/L
 RT: 3.19 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

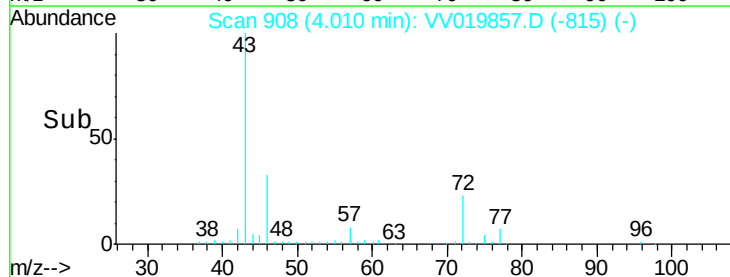
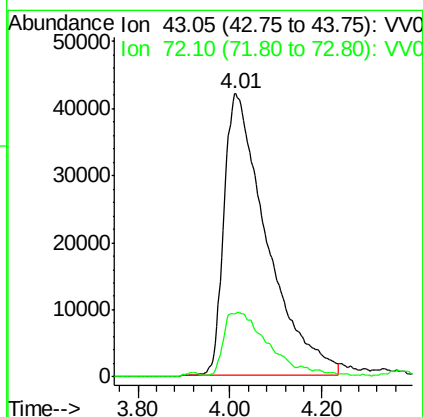
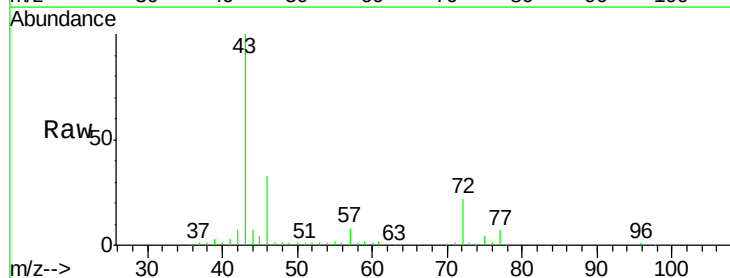
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

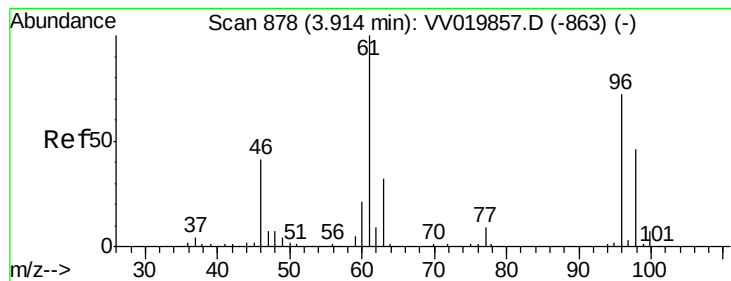
Tgt Ion: 63 Resp: 217119
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.8 40.6
 83 12.9 9.0 16.8



#21
 2-Butanone
 Concen: 91.609 ug/L
 RT: 4.01 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

Tgt Ion: 43 Resp: 272931
 Ion Ratio Lower Upper
 43 100
 72 21.8 10.9 32.7





#22

cis-1,2-Dichloroethene

Concen: 5.293 ug/L

RT: 3.91 min Scan# 878

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

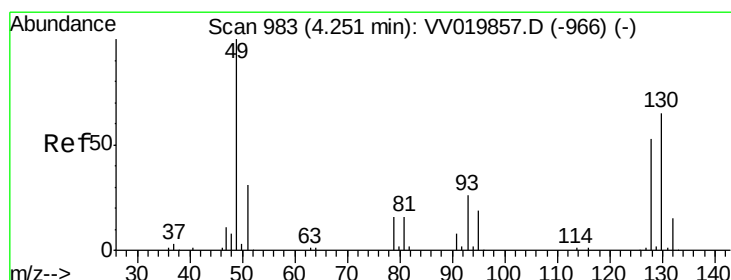
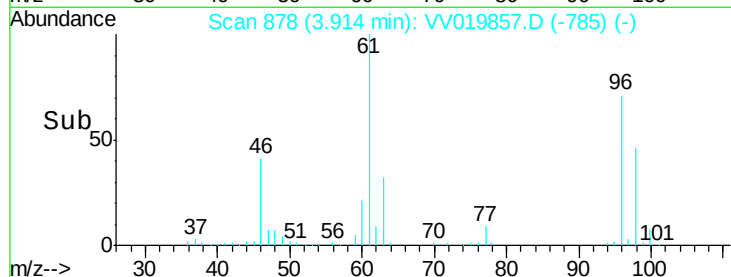
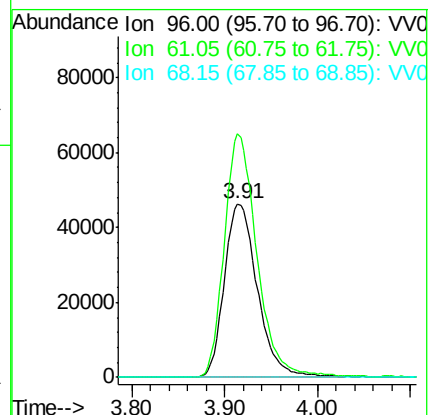
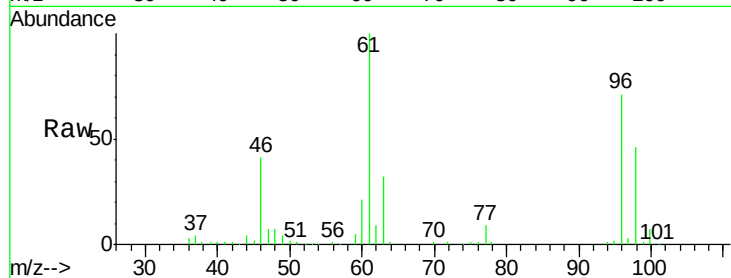
Tgt Ion: 96 Resp: 114382

Ion Ratio Lower Upper

96 100

61 140.2 98.1 182.3

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.260 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

Tgt Ion: 128 Resp: 47108

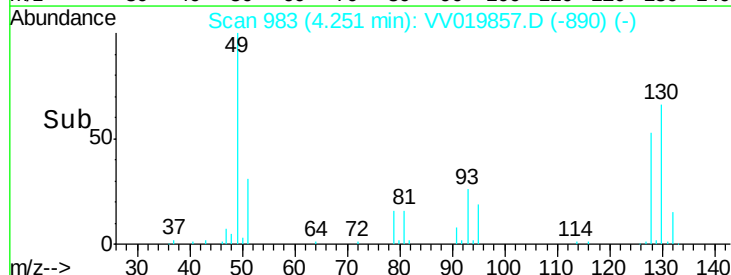
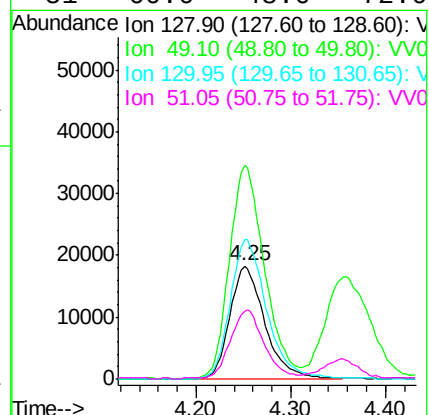
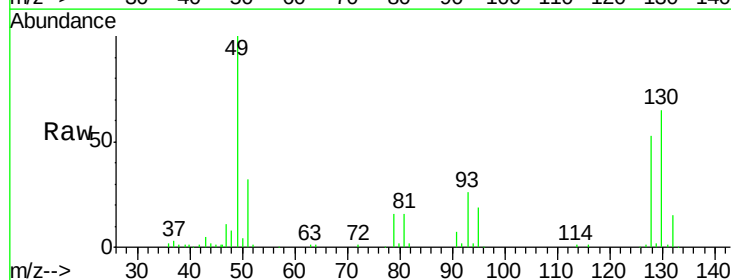
Ion Ratio Lower Upper

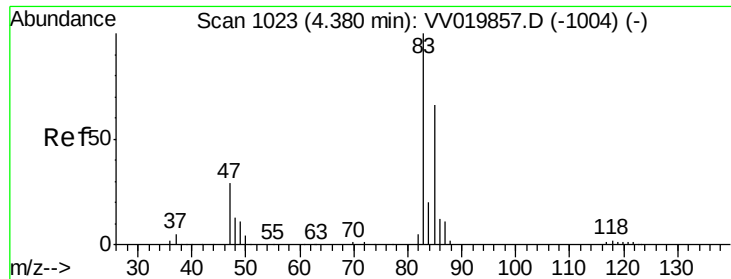
128 100

49 189.4 132.6 246.2

130 123.4 86.4 160.4

51 60.0 48.0 72.0

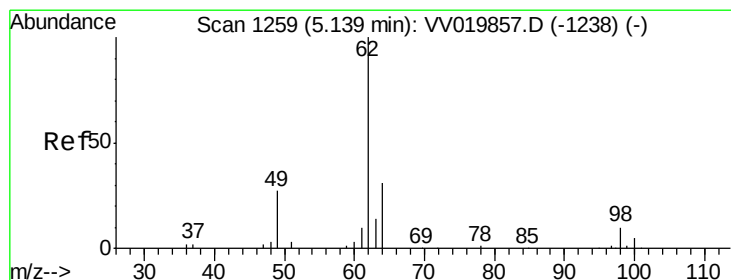
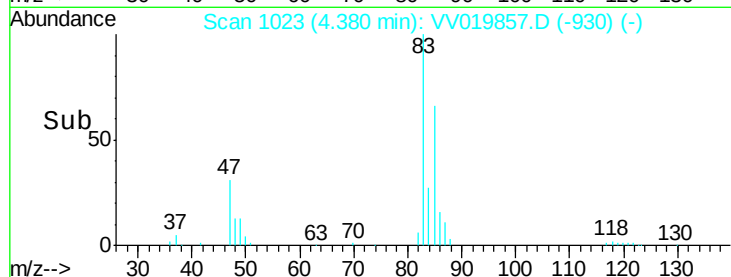
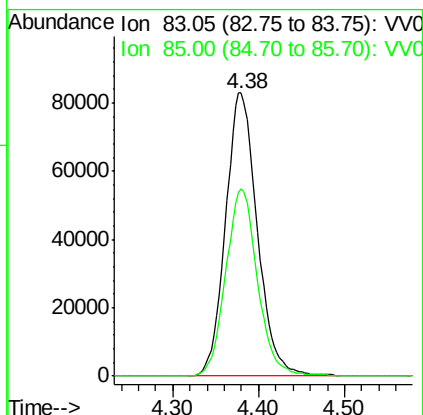
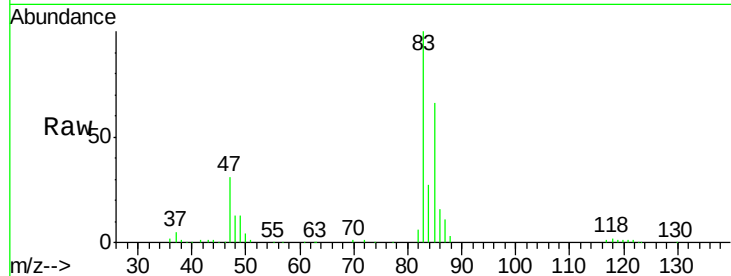




#25
Chloroform
Concen: 4.664 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV019857.D
Acq: 29 Dec 2020 11:36

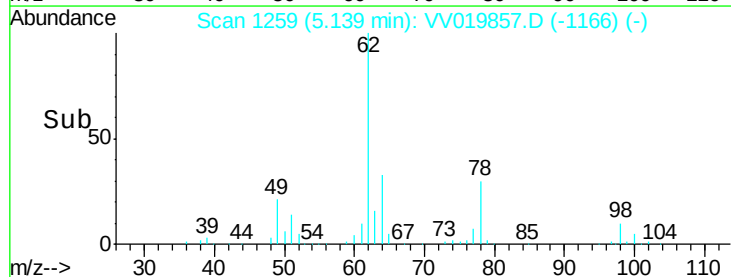
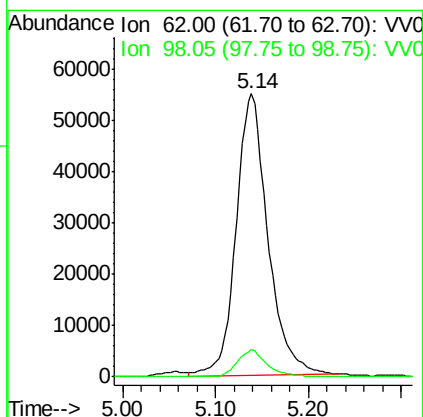
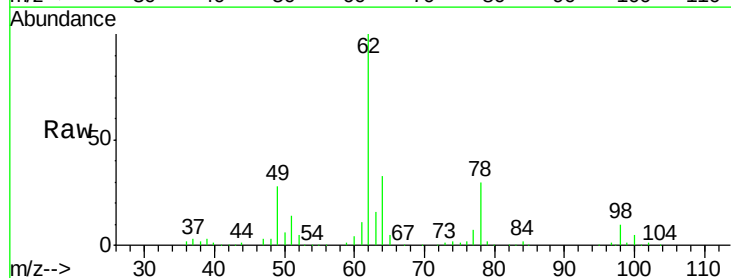
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

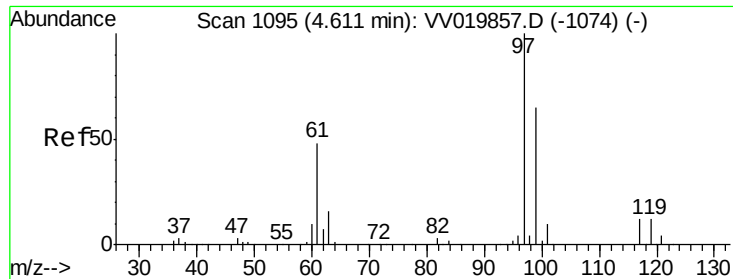
Tgt Ion: 83 Resp: 212994
Ion Ratio Lower Upper
83 100
85 66.3 46.4 86.2



#27
1,2-Dichloroethane
Concen: 6.263 ug/L
RT: 5.14 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VV019857.D
Acq: 29 Dec 2020 11:36

Tgt Ion: 62 Resp: 130518
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4

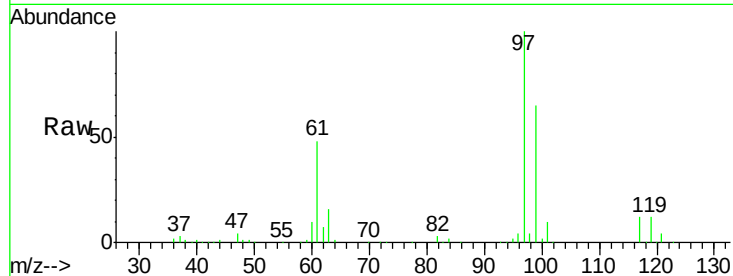




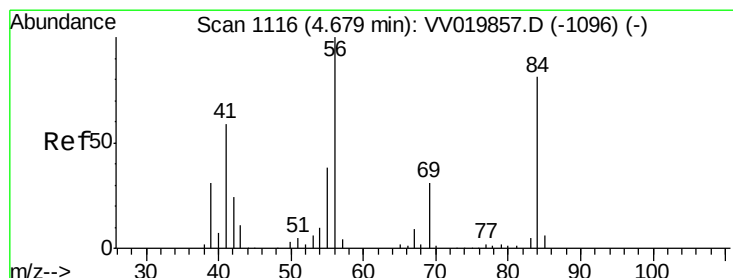
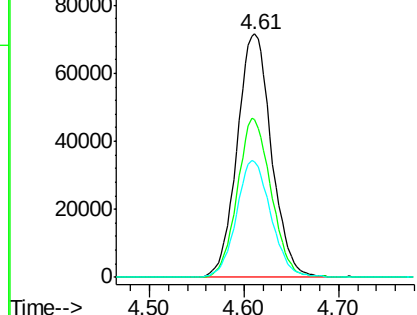
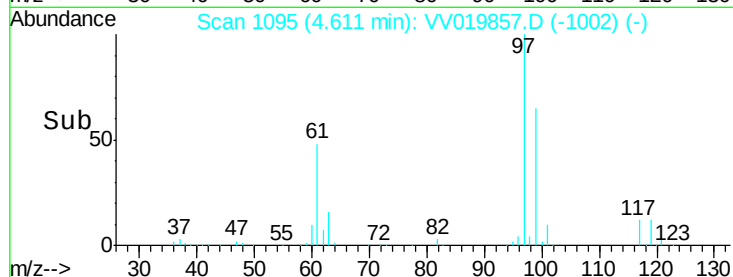
#29
 1,1,1-Trichloroethane
 Concen: 5.191 ug/L
 RT: 4.61 min Scan# 1095
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion: 97 Resp: 180631
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.1 76.7
 61 48.2 38.6 57.8

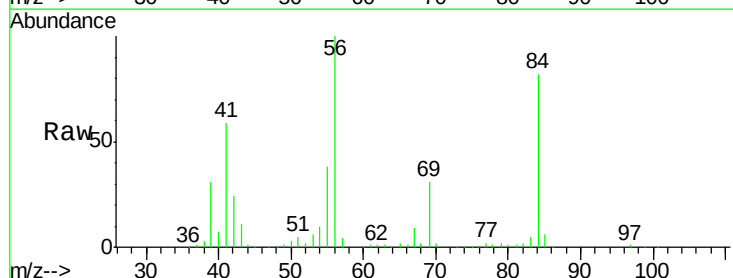


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

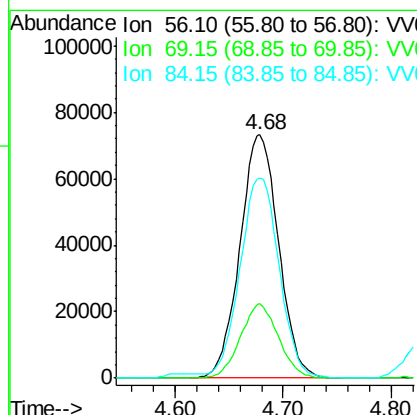
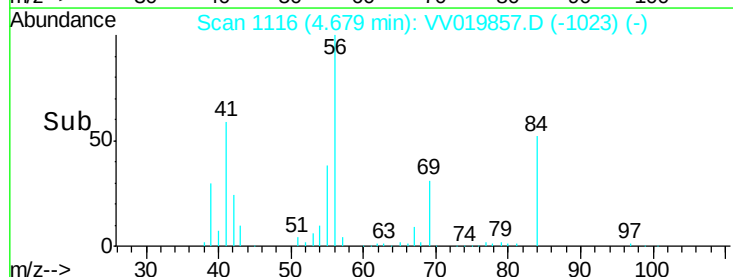


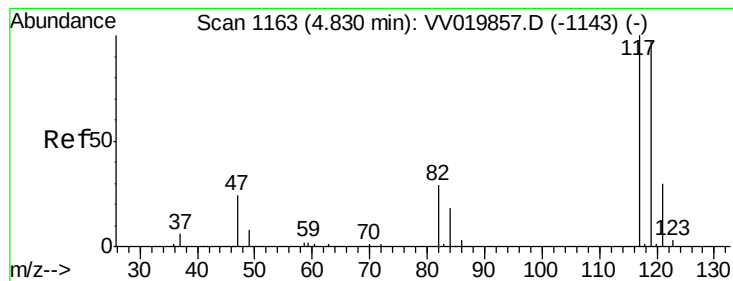
#30
 Cyclohexane
 Concen: 5.548 ug/L
 RT: 4.68 min Scan# 1116
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

Tgt Ion: 56 Resp: 182634
 Ion Ratio Lower Upper
 56 100
 69 30.1 24.1 36.1
 84 83.5 66.8 100.2



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.012 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

Instrument :

MSVOA_V

ClientSampleId :

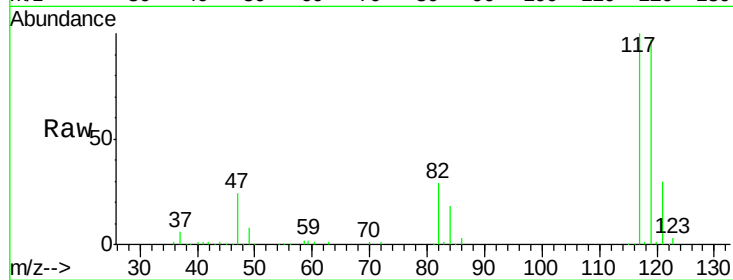
VSTD00564

Tgt Ion:117 Resp: 148969

Ion Ratio Lower Upper

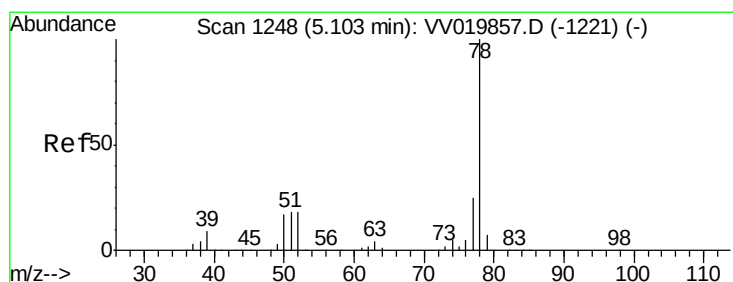
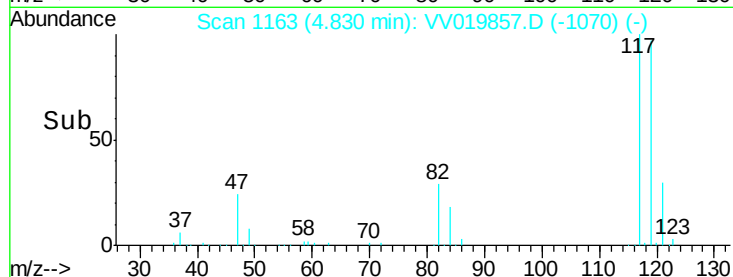
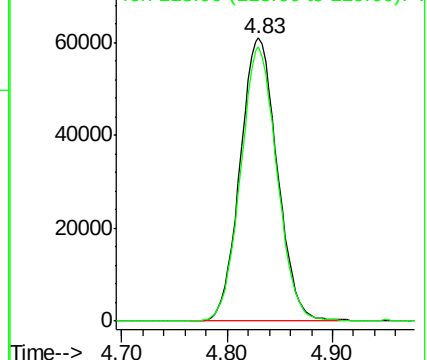
117 100

119 95.0 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.596 ug/L

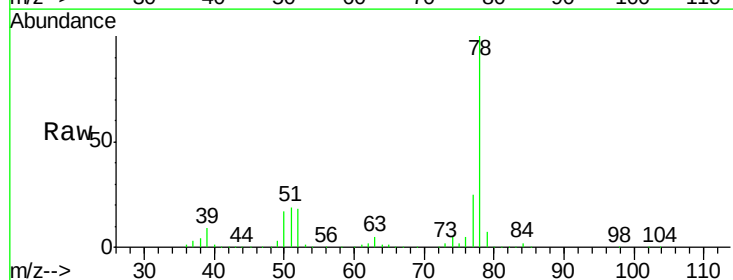
RT: 5.10 min Scan# 1248

Delta R.T. 0.00 min

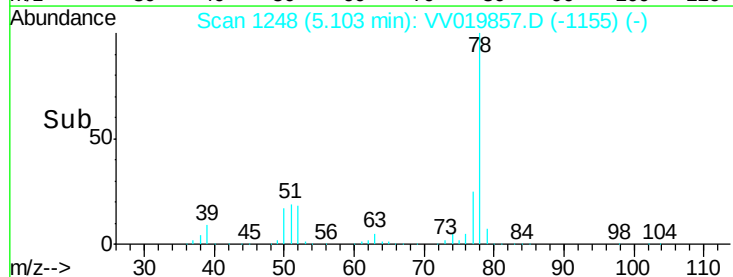
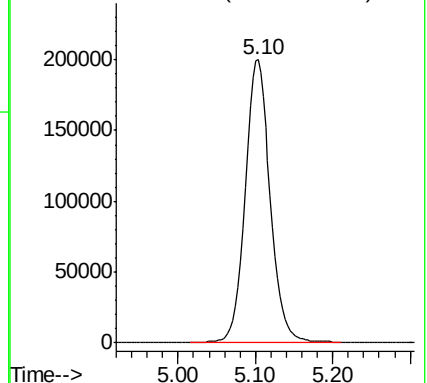
Lab File: VV019857.D

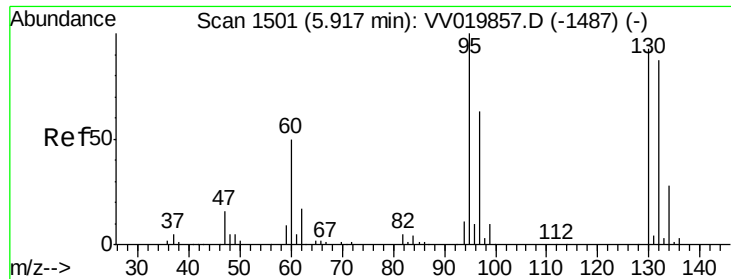
Acq: 29 Dec 2020 11:36

Tgt Ion: 78 Resp: 447986



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.228 ug/L

RT: 5.92 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

Tgt Ion: 95 Resp: 117570

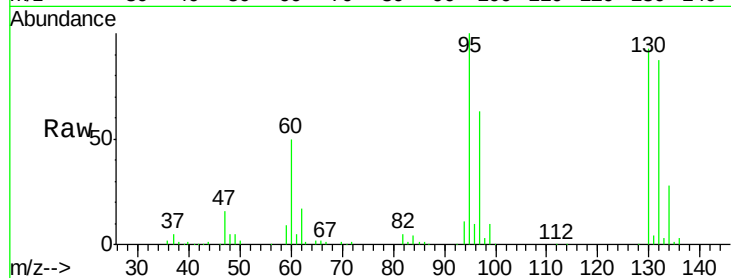
Ion Ratio Lower Upper

95 100

97 63.0 44.1 81.9

132 87.5 61.2 113.8

130 93.0 65.1 120.9

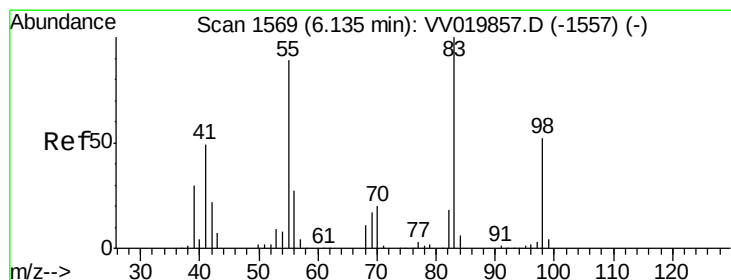
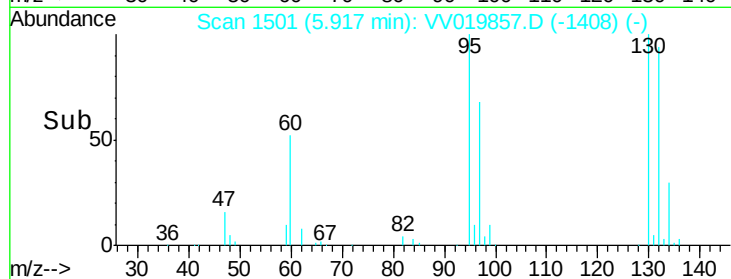
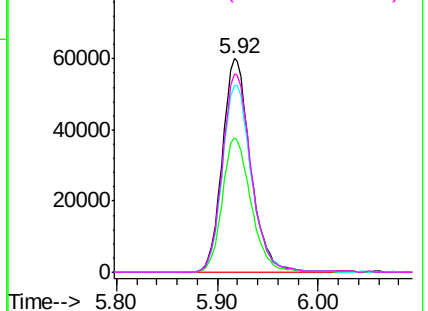


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.899 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

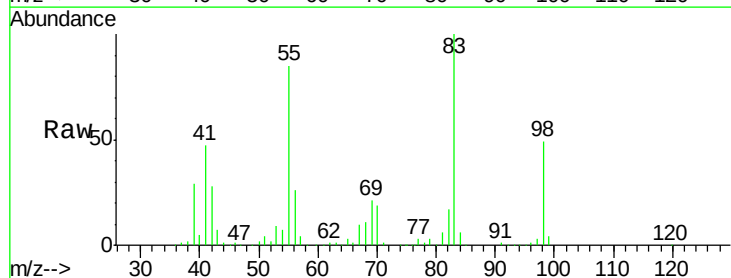
Tgt Ion: 83 Resp: 179912

Ion Ratio Lower Upper

83 100

55 84.4 67.5 101.3

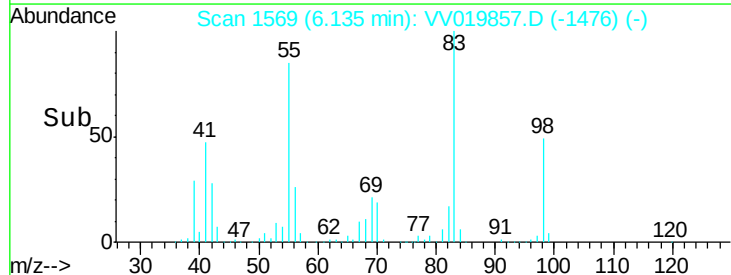
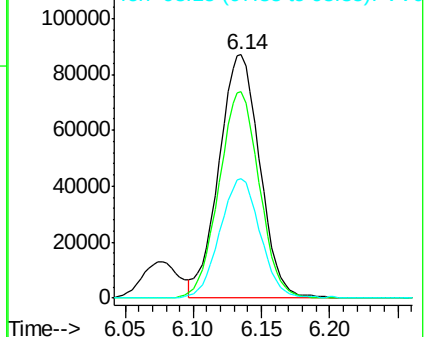
98 48.3 38.6 58.0

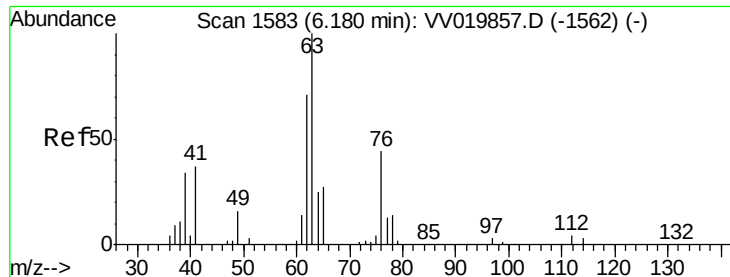


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

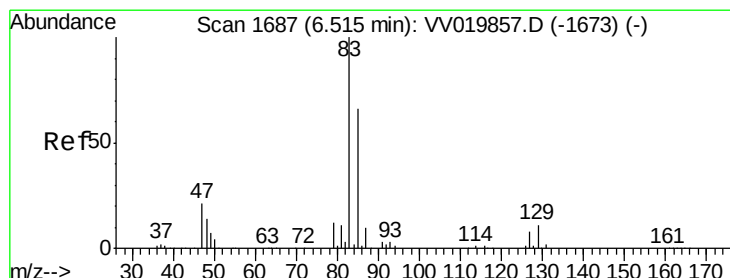
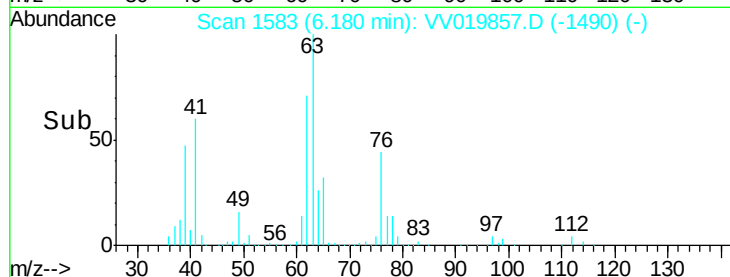
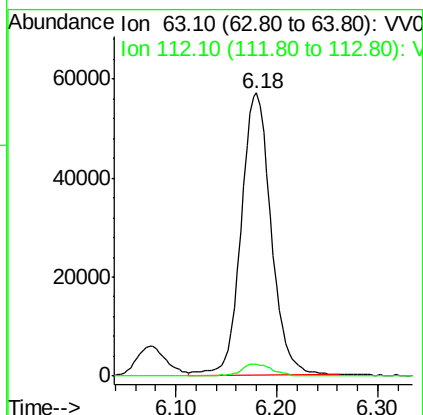
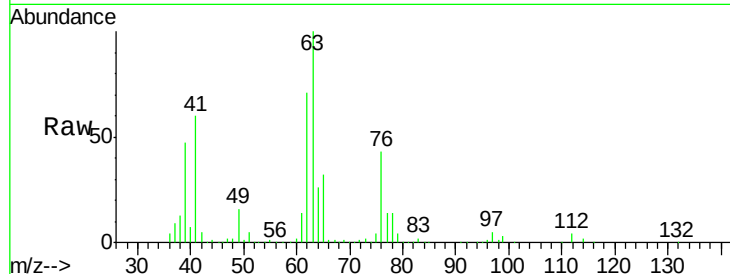




#37
 1,2-Dichloropropane
 Concen: 6.034 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

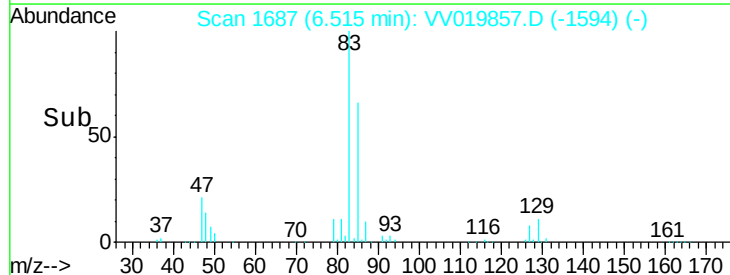
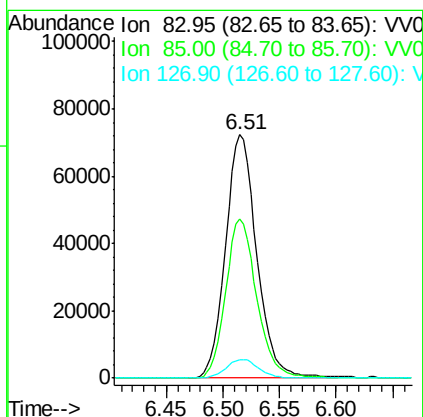
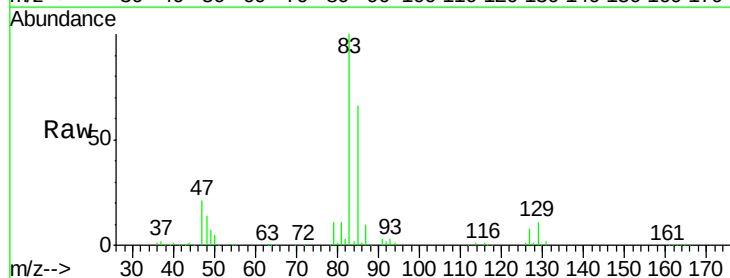
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

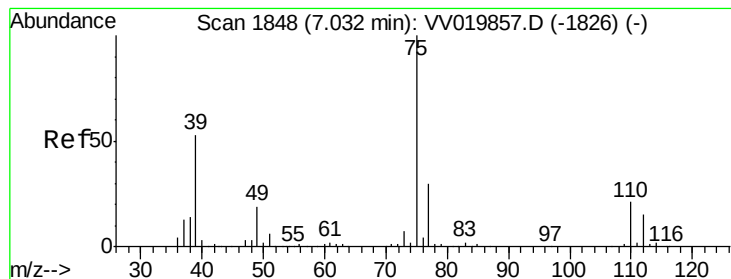
Tgt Ion: 63 Resp: 116326
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.304 ug/L
 RT: 6.51 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

Tgt Ion: 83 Resp: 139116
 Ion Ratio Lower Upper
 83 100
 85 65.6 45.9 85.3
 127 7.7 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 5.365 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

Instrument :

MSVOA_V

ClientSampleId :

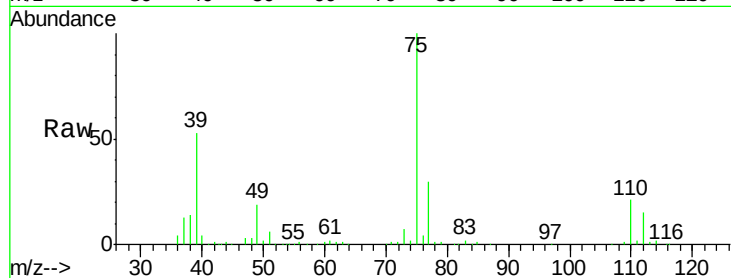
VSTD00564

Tgt Ion: 75 Resp: 157132

Ion Ratio Lower Upper

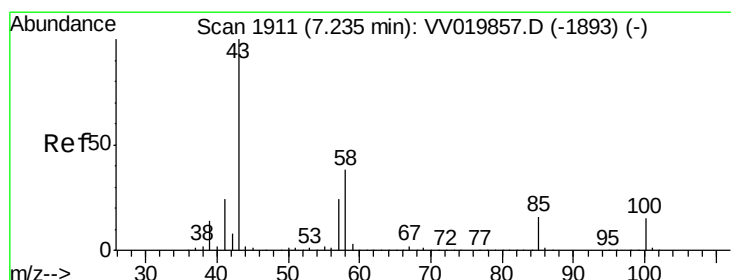
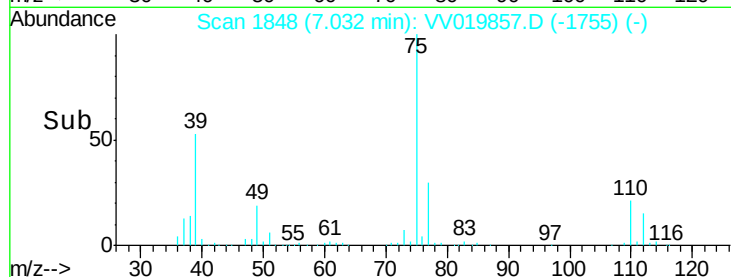
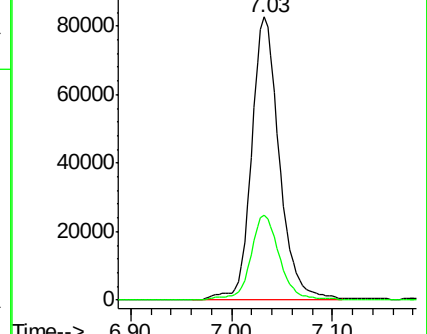
75 100

77 30.0 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 68.553 ug/L

RT: 7.23 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

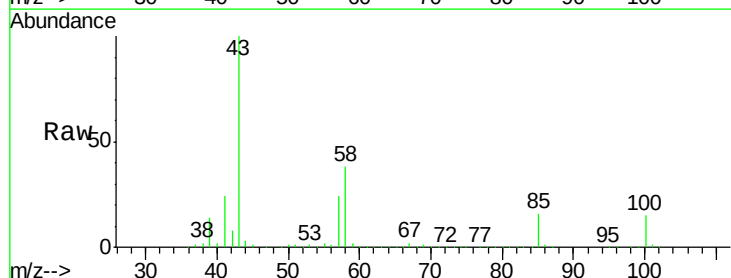
Tgt Ion: 43 Resp: 655068

Ion Ratio Lower Upper

43 100

58 37.5 30.0 45.0

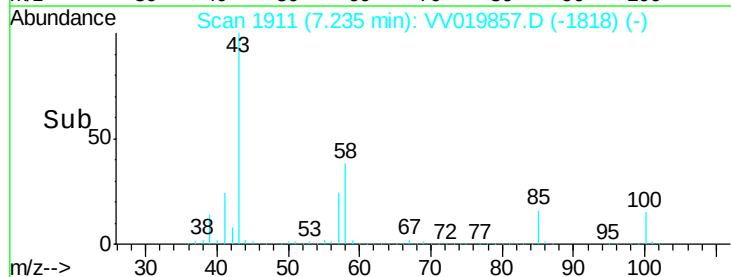
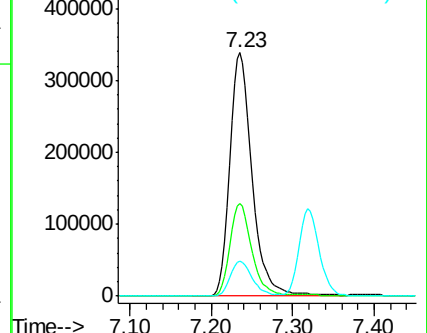
100 14.2 11.4 17.0

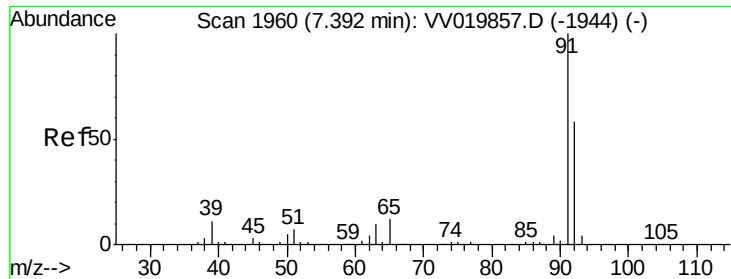


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.354 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

Instrument :

MSVOA_V

ClientSampleId :

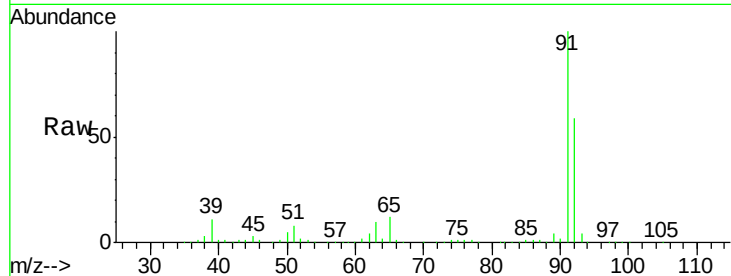
VSTD00564

Tgt Ion: 91 Resp: 461914

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.39

250000

200000

150000

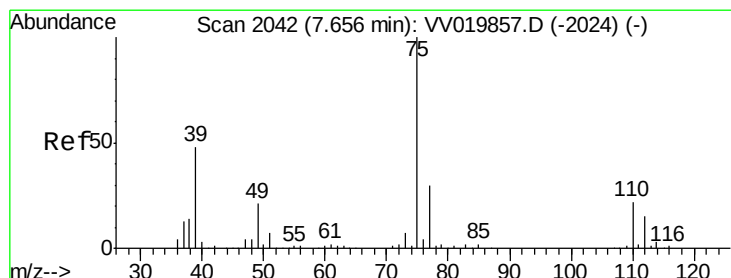
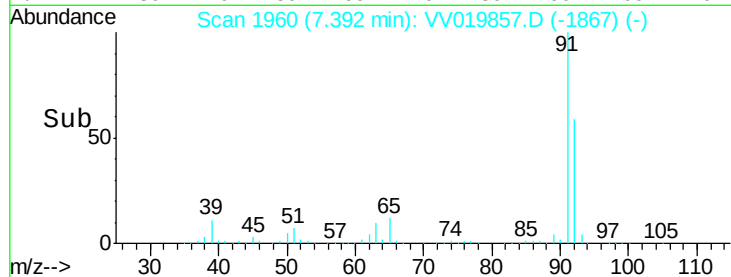
100000

50000

0

Time-->

7.30 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 5.404 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. 0.00 min

Lab File: VV019857.D

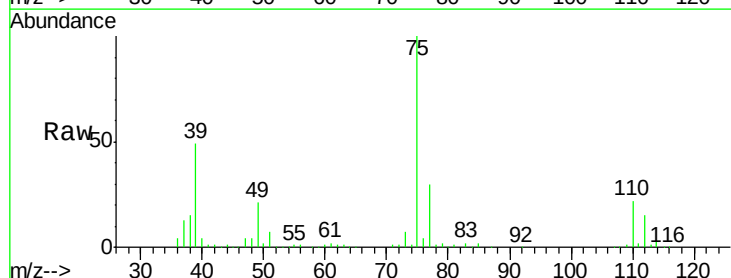
Acq: 29 Dec 2020 11:36

Tgt Ion: 75 Resp: 126829

Ion Ratio Lower Upper

75 100

77 30.2 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.66

80000

60000

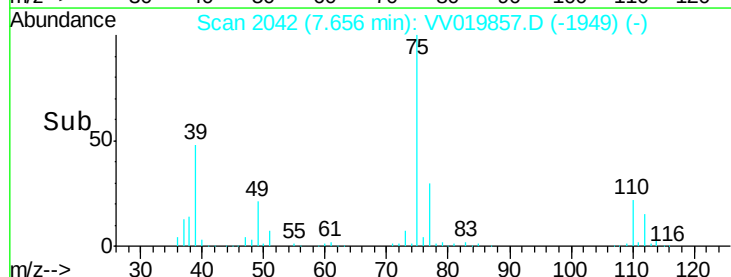
40000

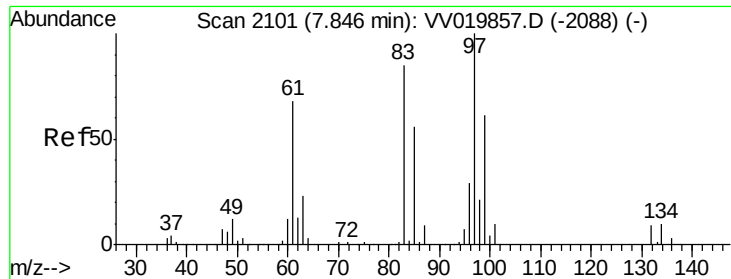
20000

0

Time-->

7.55 7.60 7.65 7.70 7.75

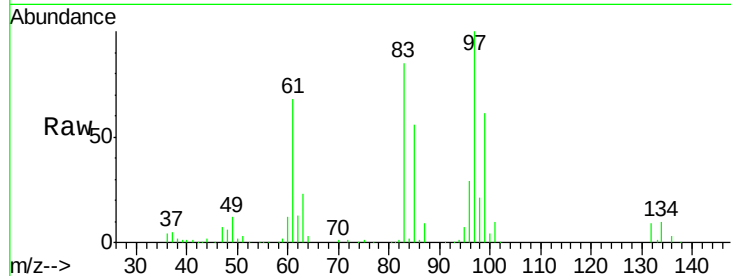




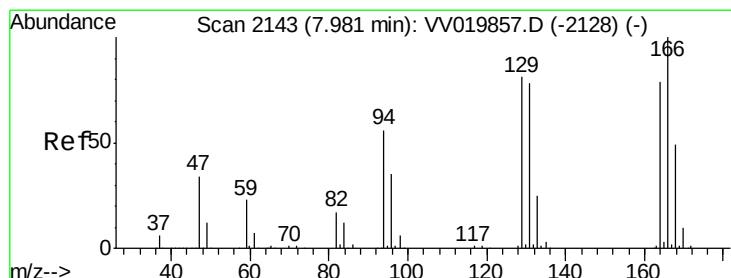
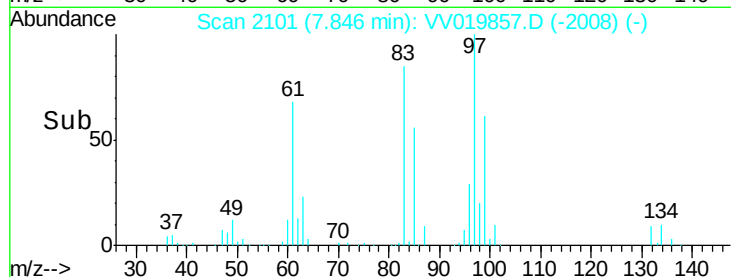
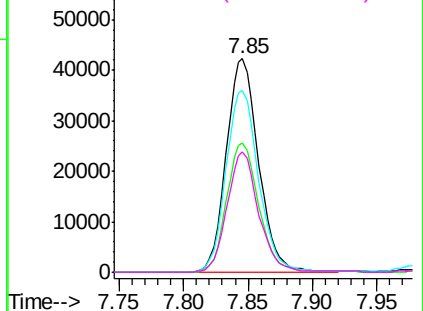
#45
 1,1,2-Trichloroethane
 Concen: 5.332 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion:	97	Resp:	73418
Ion	Ratio	Lower	Upper
97	100		
99	60.6	42.4	78.8
83	84.9	59.4	110.4
85	56.4	39.5	73.3

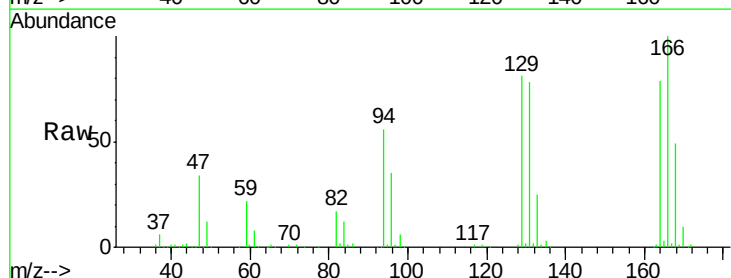


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

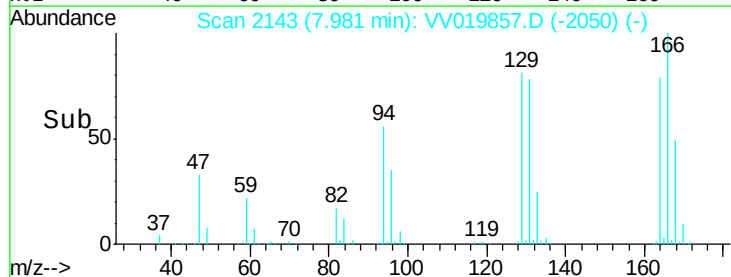
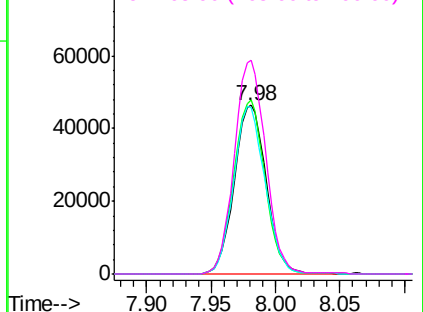


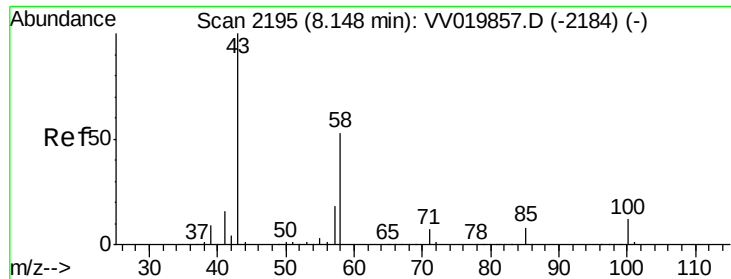
#47
 Tetrachloroethene
 Concen: 4.642 ug/L
 RT: 7.98 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

Tgt Ion:	164	Resp:	79714
Ion	Ratio	Lower	Upper
164	100		
129	103.0	72.1	133.9
131	98.4	68.9	127.9
166	126.5	88.5	164.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

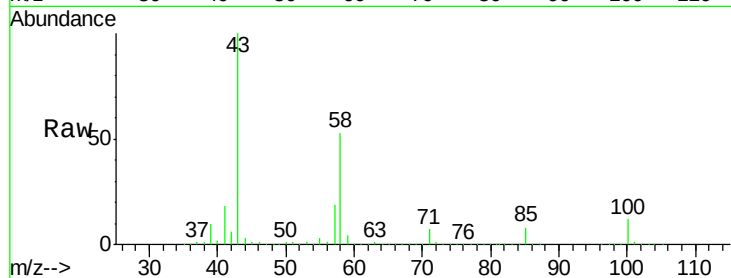




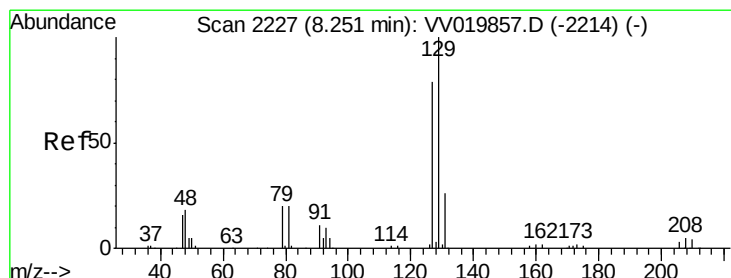
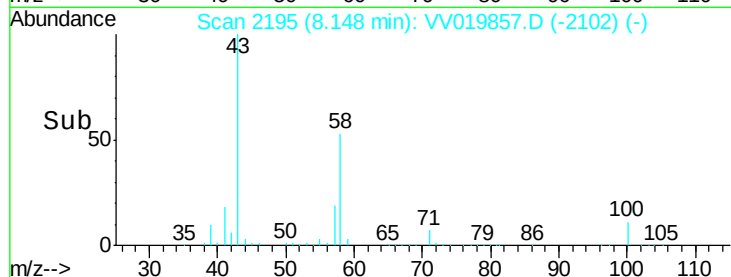
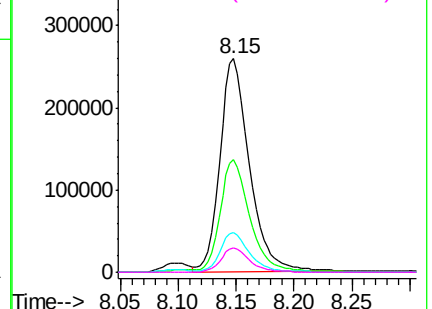
#48
2-Hexanone
Concen: 67.089 ug/L
RT: 8.15 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VV019857.D
Acq: 29 Dec 2020 11:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tgt Ion: 43 Resp: 458867
Ion Ratio Lower Upper
43 100
58 53.0 42.4 63.6
57 18.5 14.8 22.2
100 11.4 9.1 13.7

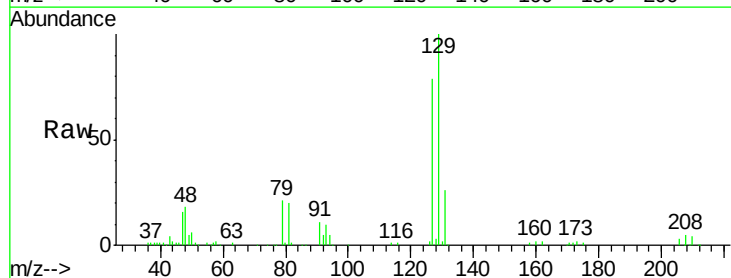


Abundance Ion 43.05 (42.75 to 43.75): VV019857.D (-2184) (-)
Ion 58.05 (57.75 to 58.75): VV019857.D (-2184) (-)
Ion 57.20 (56.90 to 57.90): VV019857.D (-2184) (-)
Ion 100.15 (99.85 to 100.85): VV019857.D (-2184) (-)

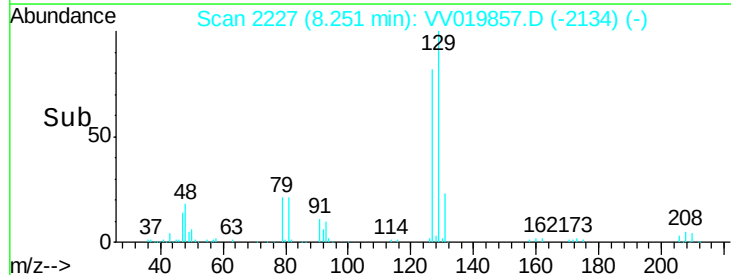
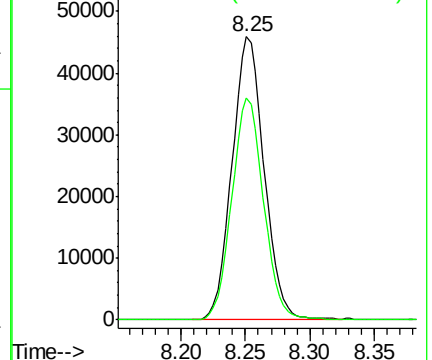


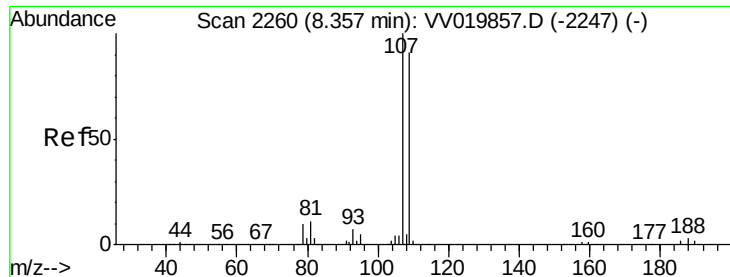
#49
Dibromochloromethane
Concen: 4.640 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019857.D
Acq: 29 Dec 2020 11:36

Tgt Ion: 129 Resp: 79386
Ion Ratio Lower Upper
129 100
127 78.6 55.0 102.2



Abundance Ion 128.95 (128.65 to 129.65): VV019857.D (-2214) (-)
Ion 126.90 (126.60 to 127.60): VV019857.D (-2214) (-)

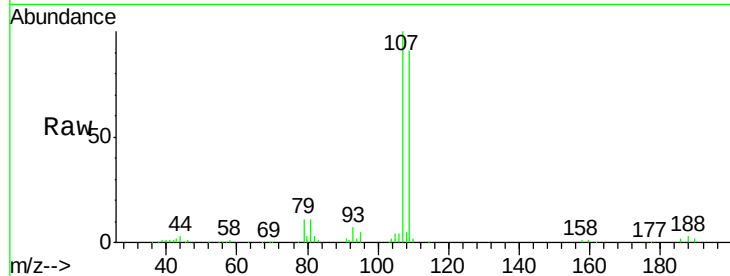




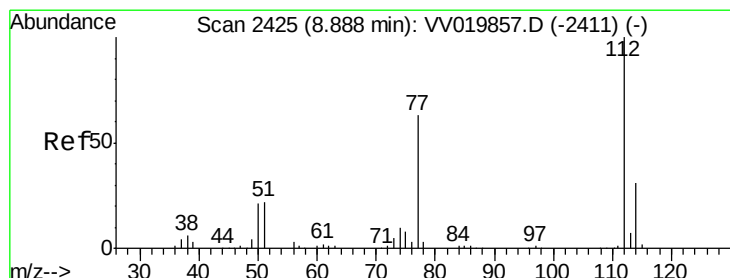
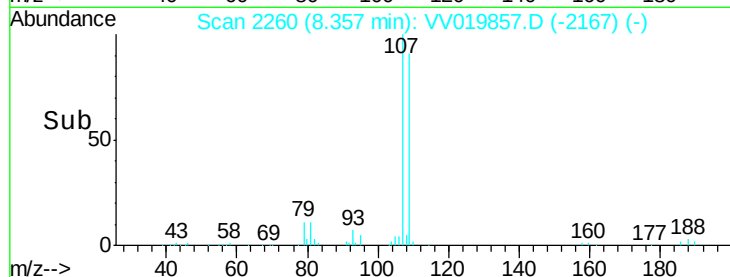
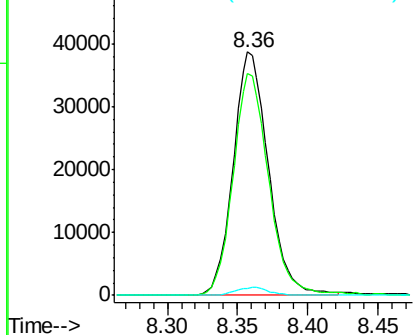
#50
 1,2-Dibromoethane
 Concen: 5.186 ug/L
 RT: 8.36 min Scan# 2260
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion:107 Resp: 67611
 Ion Ratio Lower Upper
 107 100
 109 91.1 63.8 118.4
 188 3.1 2.5 3.7

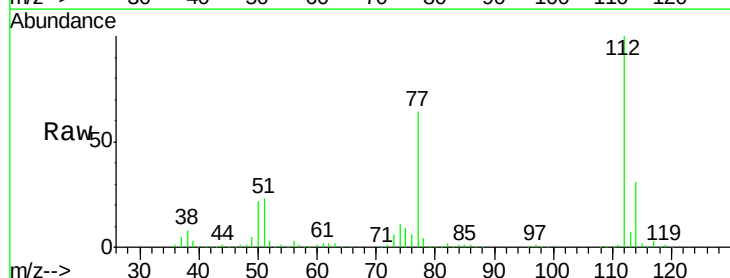


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

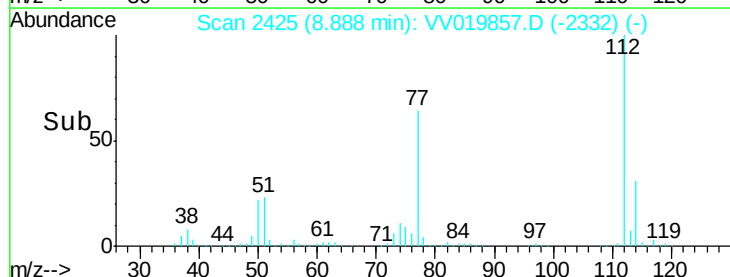
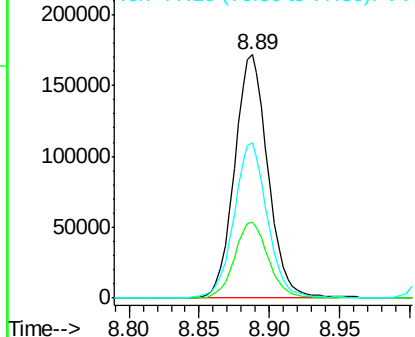


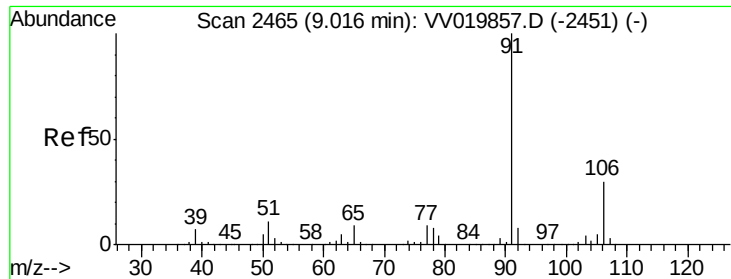
#51
 Chlorobenzene
 Concen: 5.042 ug/L
 RT: 8.89 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

Tgt Ion:112 Resp: 284590
 Ion Ratio Lower Upper
 112 100
 114 31.2 21.8 40.6
 77 63.7 51.0 76.4



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V

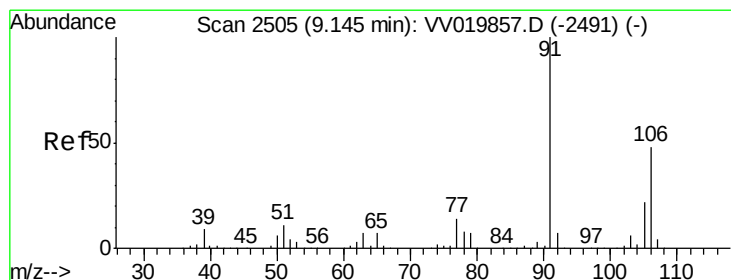
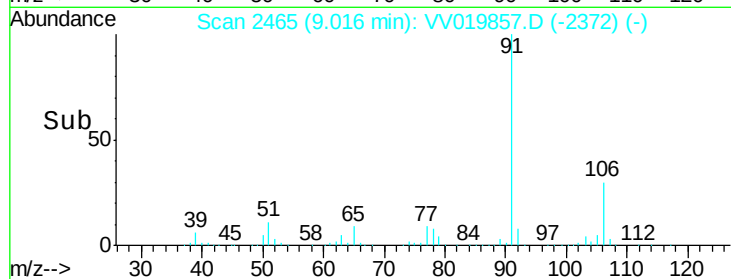
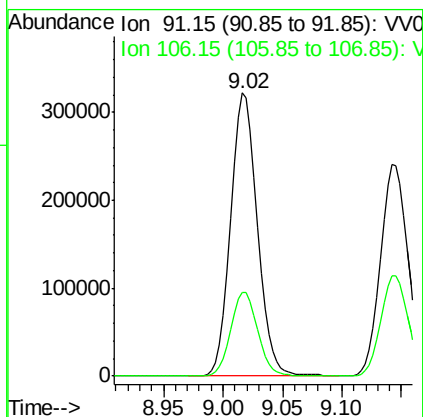
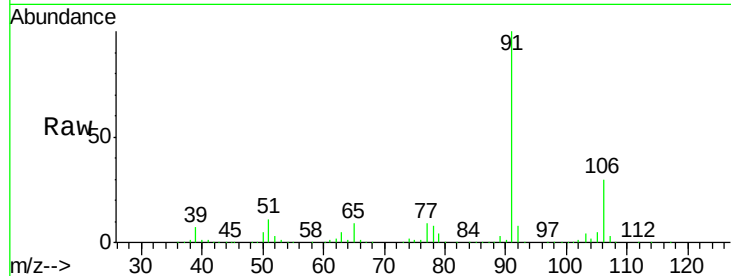




#52
Ethylbenzene
Concen: 5.152 ug/L
RT: 9.02 min Scan# 2465
Delta R.T. 0.00 min
Lab File: VV019857.D
Acq: 29 Dec 2020 11:36

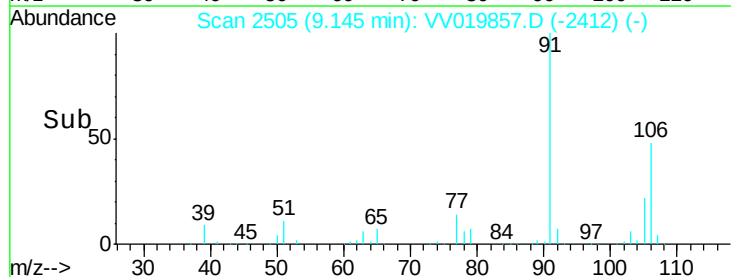
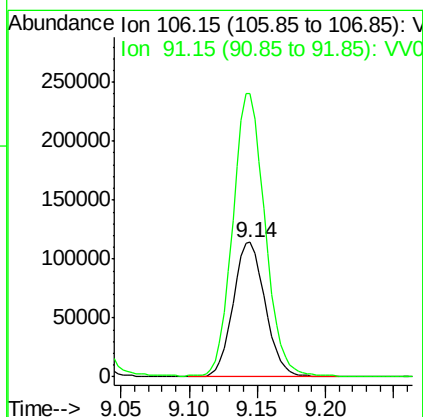
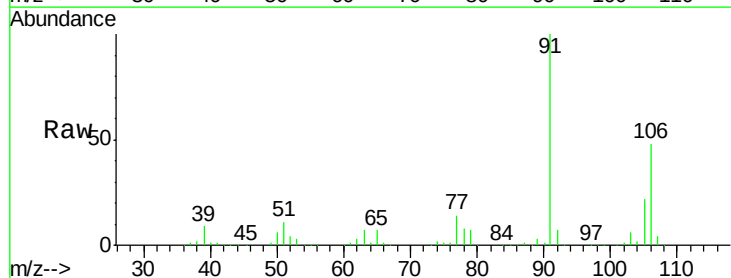
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

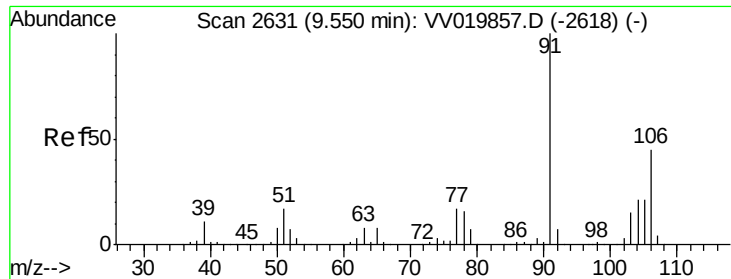
Tgt Ion: 91 Resp: 502465
Ion Ratio Lower Upper
91 100
106 29.8 20.9 38.7



#53
m,p-xylene
Concen: 5.019 ug/L
RT: 9.14 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VV019857.D
Acq: 29 Dec 2020 11:36

Tgt Ion: 106 Resp: 185761
Ion Ratio Lower Upper
106 100
91 210.1 147.1 273.1

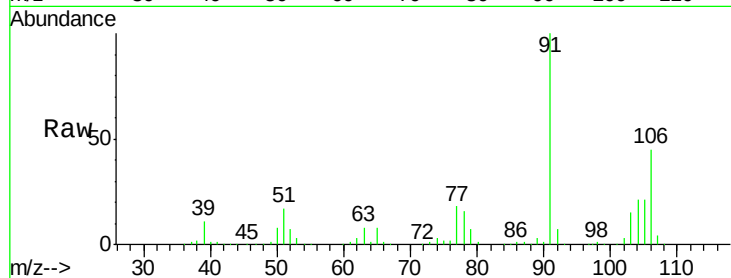




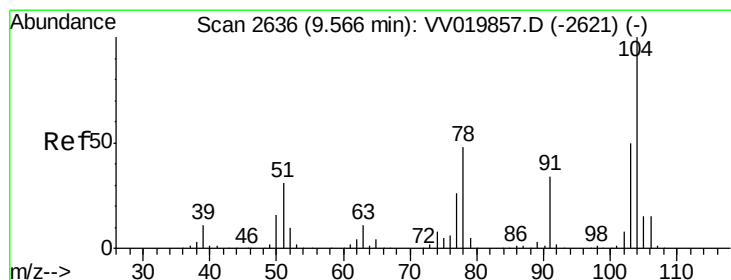
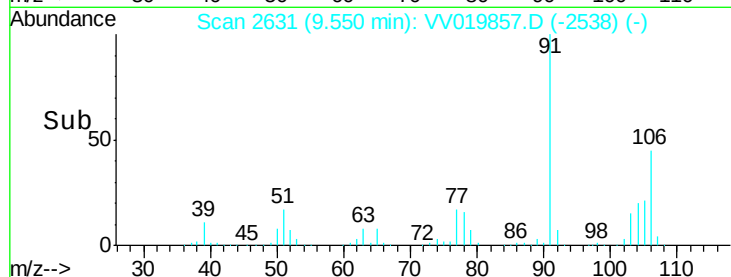
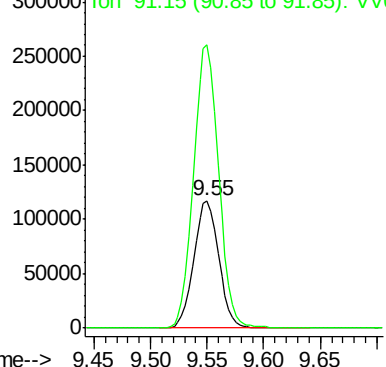
#54
o-xylene
Concen: 5.056 ug/L
RT: 9.55 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VV019857.D
Acq: 29 Dec 2020 11:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tgt Ion:106 Resp: 180313
Ion Ratio Lower Upper
106 100
91 222.5 155.8 289.3

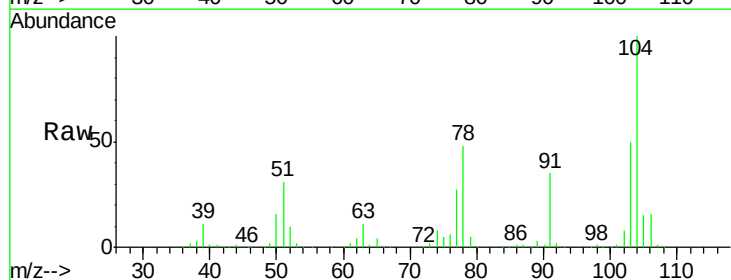


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

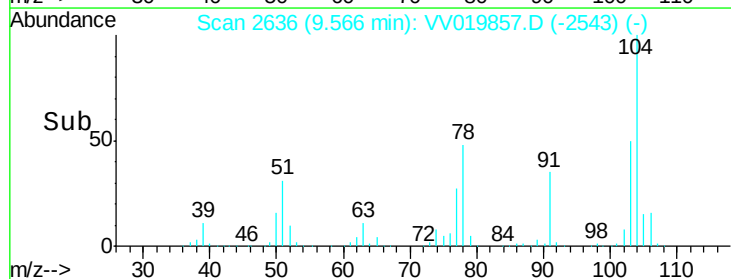
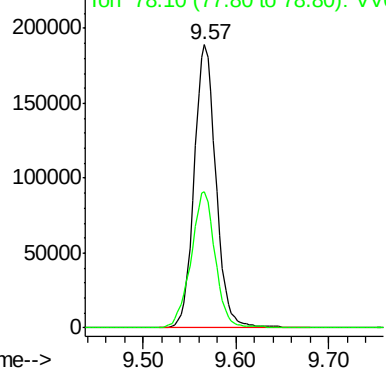


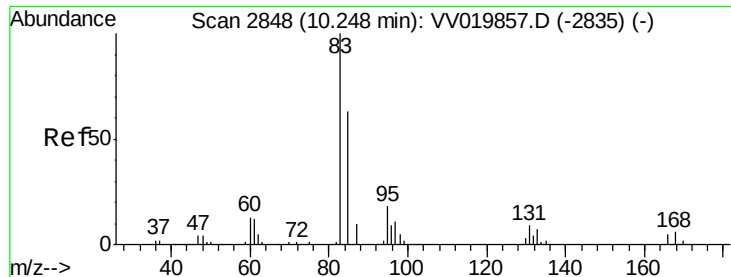
#55
Styrene
Concen: 5.211 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019857.D
Acq: 29 Dec 2020 11:36

Tgt Ion:104 Resp: 308494
Ion Ratio Lower Upper
104 100
78 48.2 33.7 62.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0

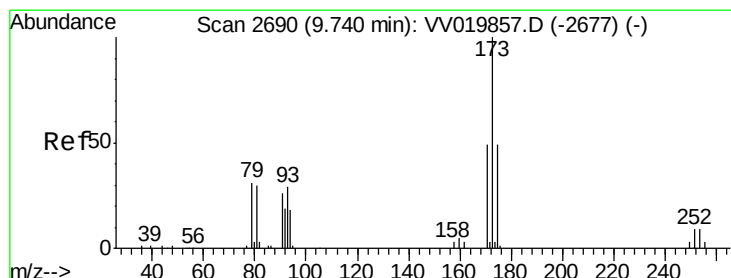
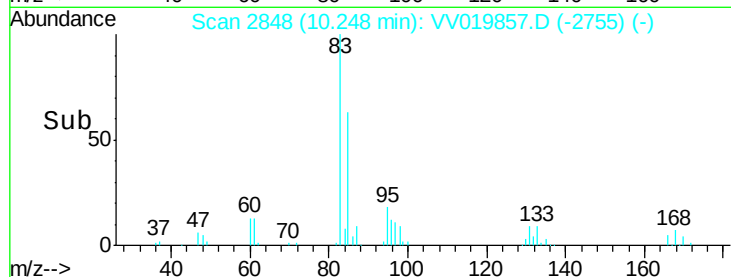
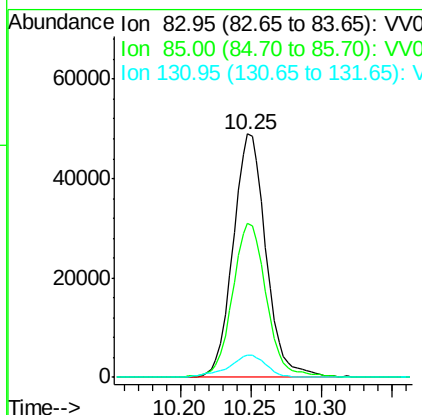
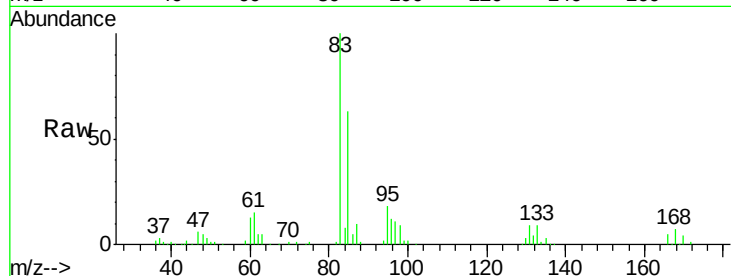




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.181 ug/L
 RT: 10.25 min Scan# 2848
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

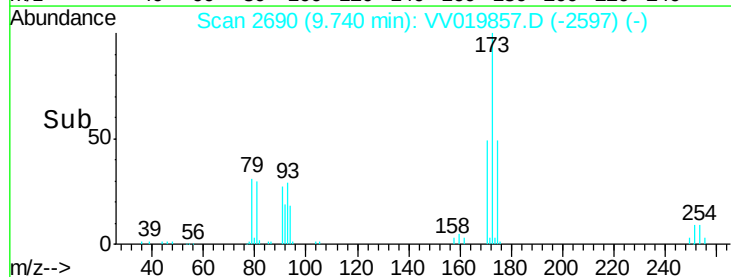
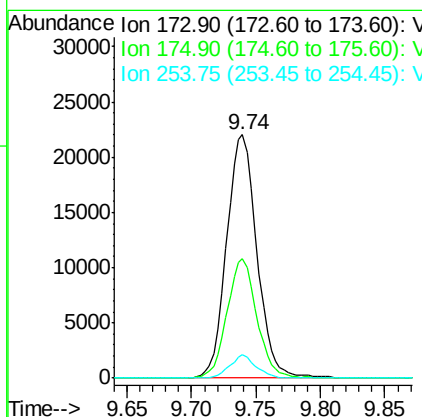
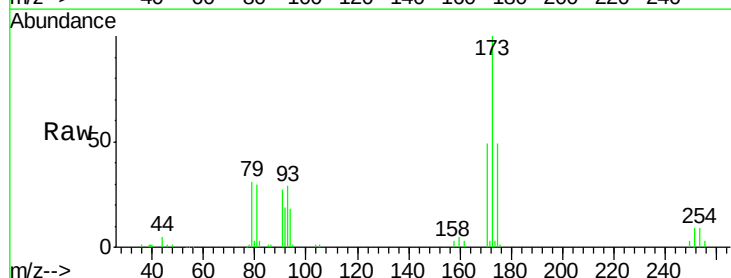
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

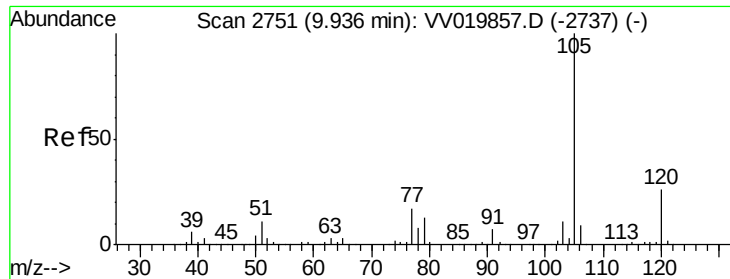
Tgt Ion: 83 Resp: 80037
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.3 82.3
 131 9.3 7.4 11.2



#59
 Bromoform
 Concen: 4.301 ug/L
 RT: 9.74 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

Tgt Ion: 173 Resp: 35936
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.3 57.5
 254 8.0 6.4 9.6





#60

Isopropylbenzene

Concen: 5.103 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

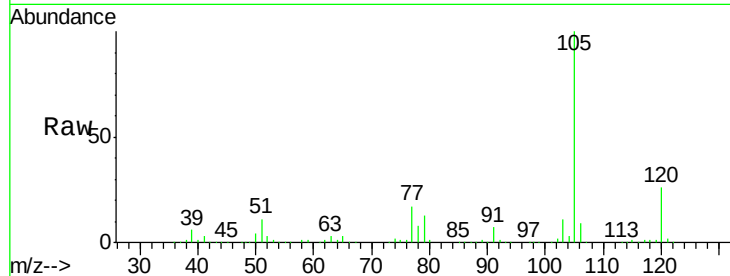
Tgt Ion: 105 Resp: 481703

Ion Ratio Lower Upper

105 100

120 25.5 20.4 30.6

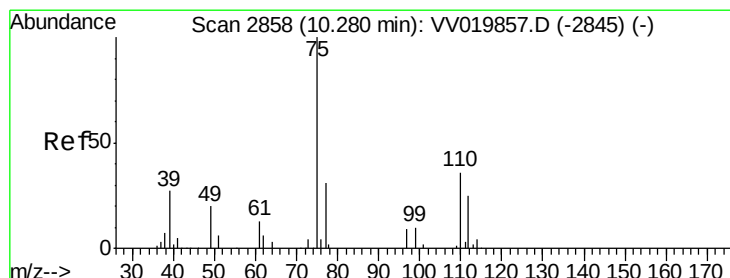
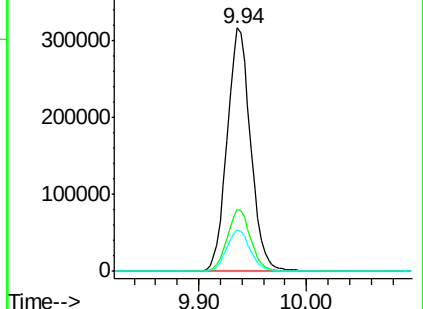
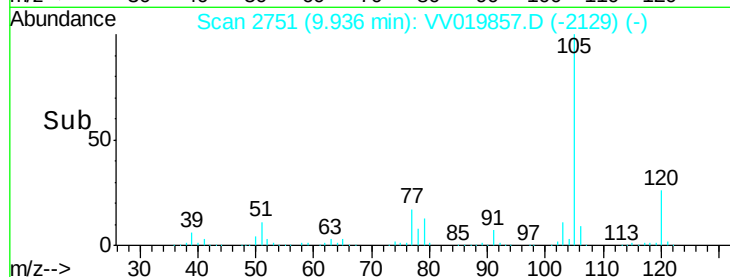
77 17.1 13.7 20.5



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



#61

1,2,3-Trichloropropane

Concen: 5.755 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

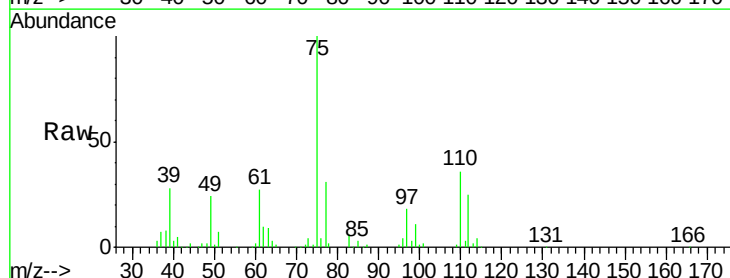
Tgt Ion: 75 Resp: 64084

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

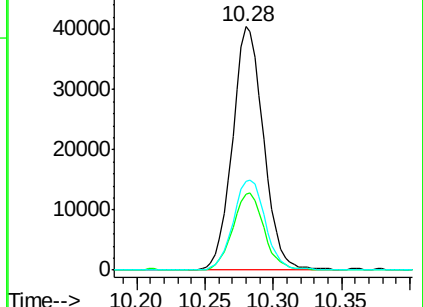
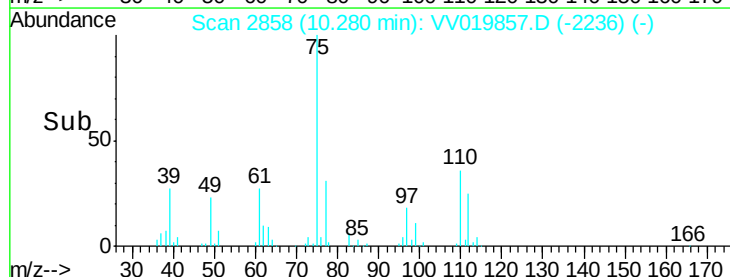
110 38.1 30.5 45.7

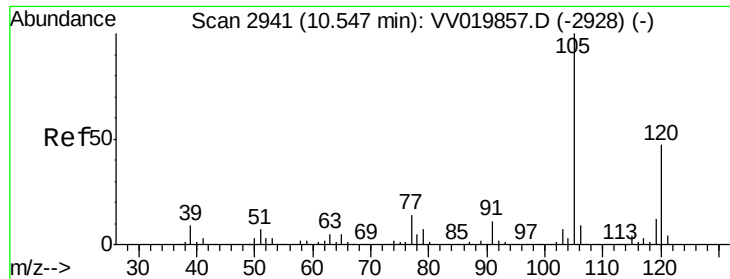


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

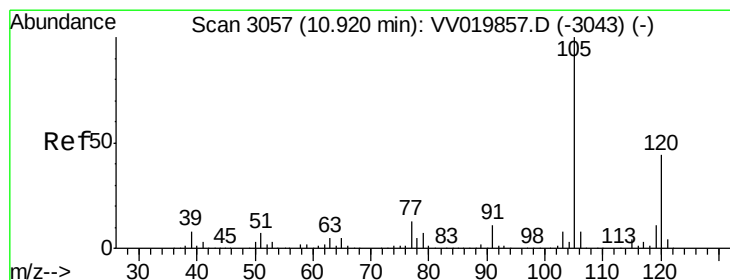
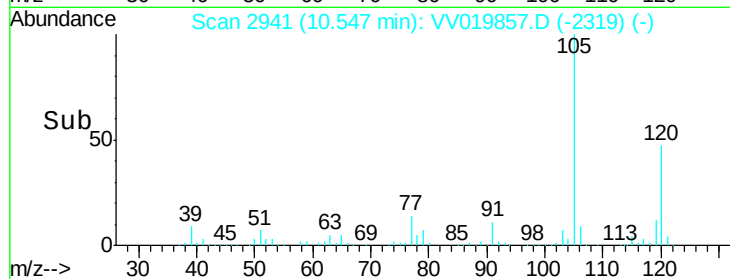
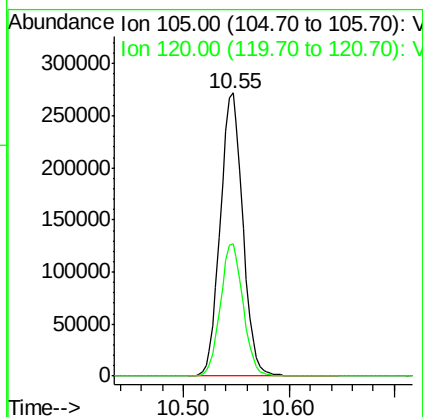
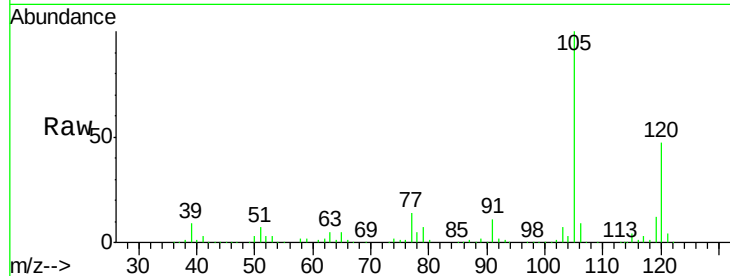




#62
 1,3,5-Trimethylbenzene
 Concen: 5.102 ug/L
 RT: 10.55 min Scan# 2941
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

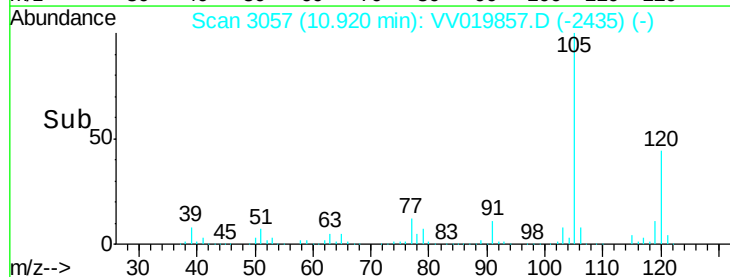
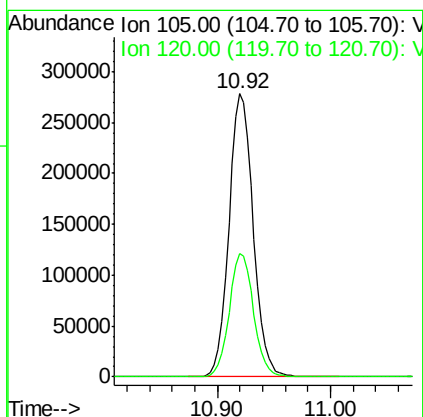
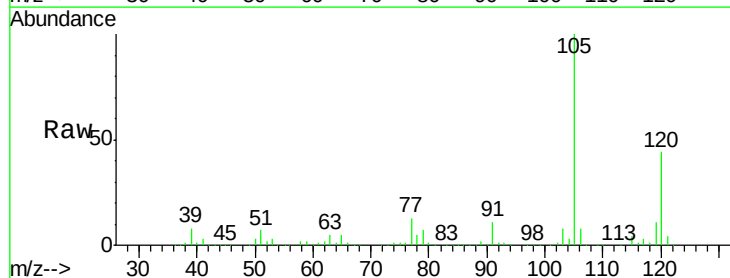
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

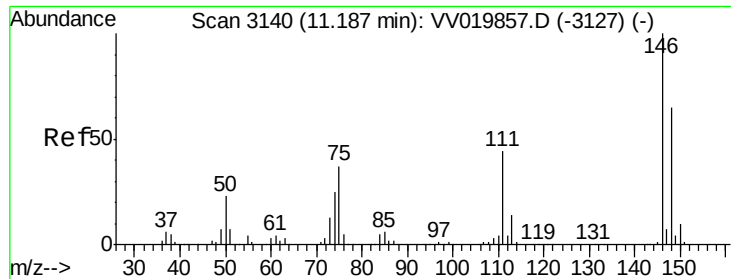
Tgt Ion:105 Resp: 400937
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 5.322 ug/L
 RT: 10.92 min Scan# 3057
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

Tgt Ion:105 Resp: 414118
 Ion Ratio Lower Upper
 105 100
 120 43.6 34.9 52.3

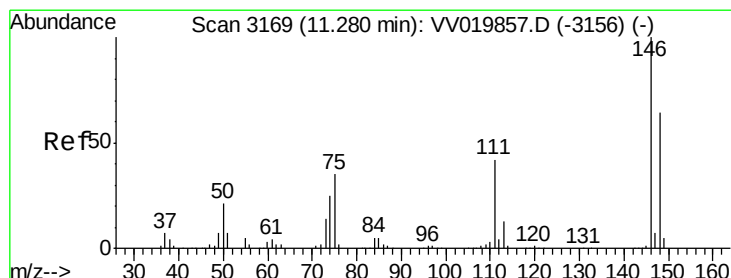
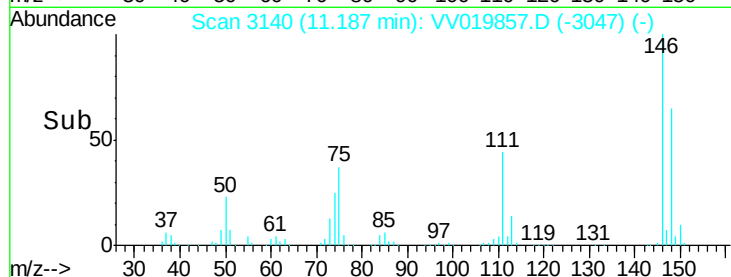
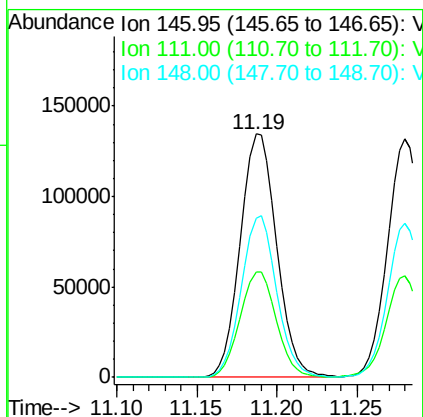
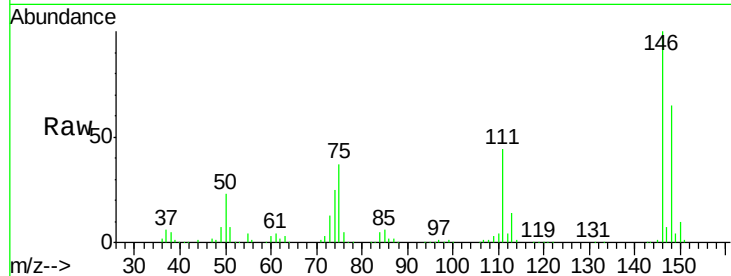




#64
 1,3-Dichlorobenzene
 Concen: 4.766 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

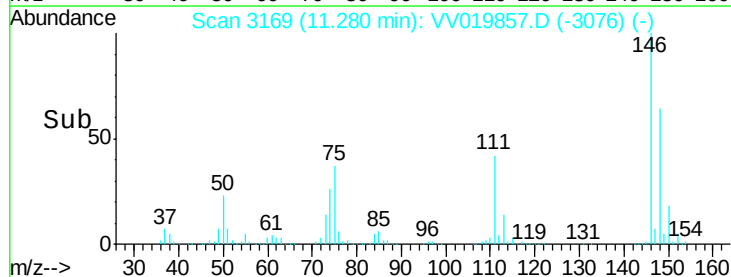
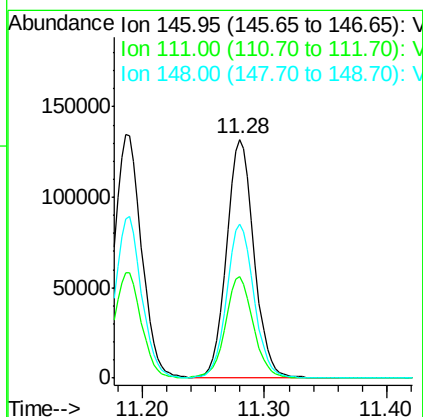
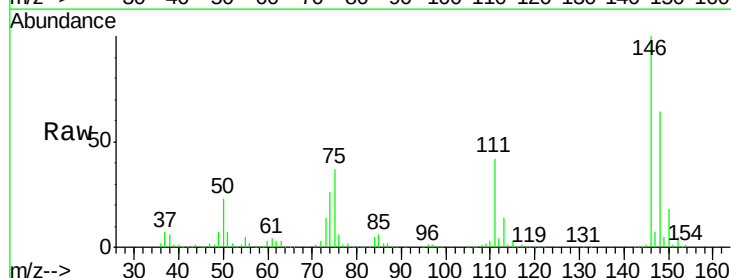
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

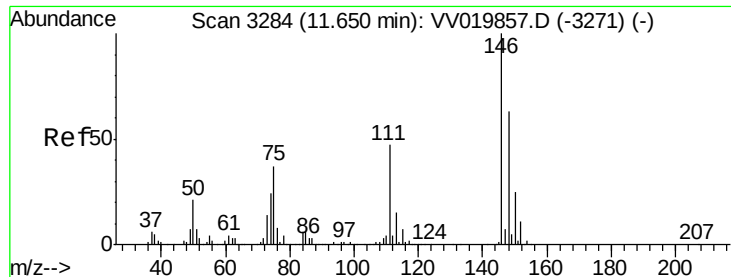
Tgt Ion:146 Resp: 208796
 Ion Ratio Lower Upper
 146 100
 111 43.5 30.4 56.5
 148 65.5 45.8 85.2



#65
 1,4-Dichlorobenzene
 Concen: 4.838 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

Tgt Ion:146 Resp: 207852
 Ion Ratio Lower Upper
 146 100
 111 42.4 29.7 55.1
 148 64.4 45.1 83.7

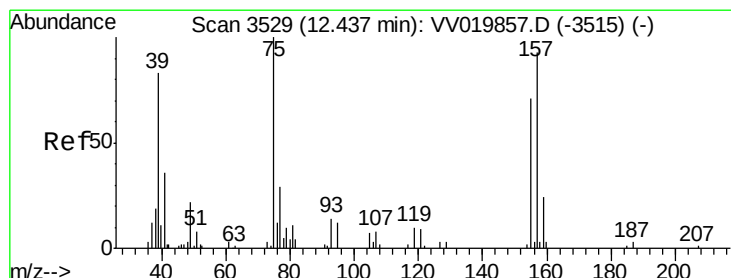
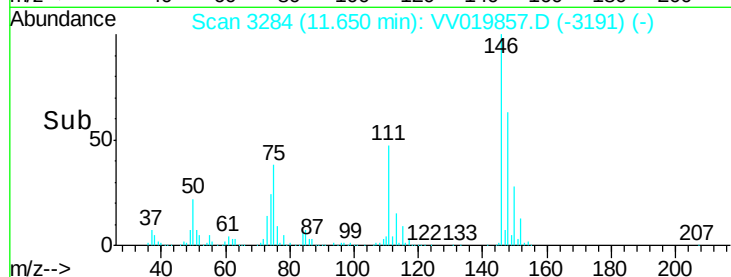
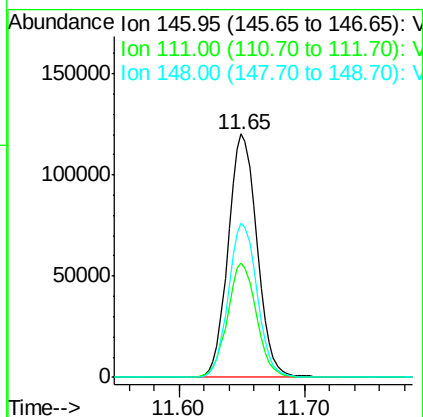
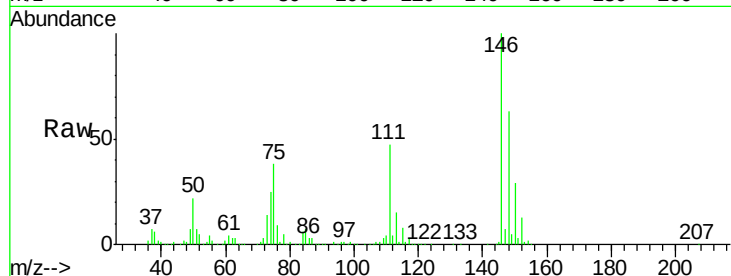




#67
 1,2-Dichlorobenzene
 Concen: 4.945 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

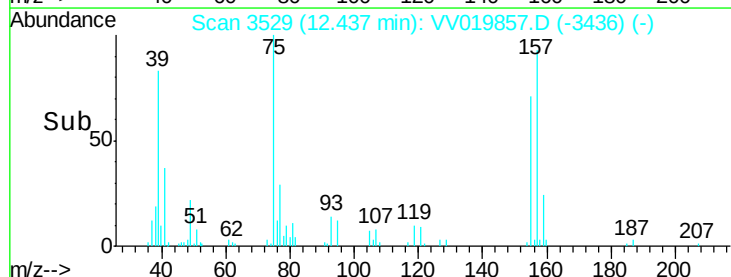
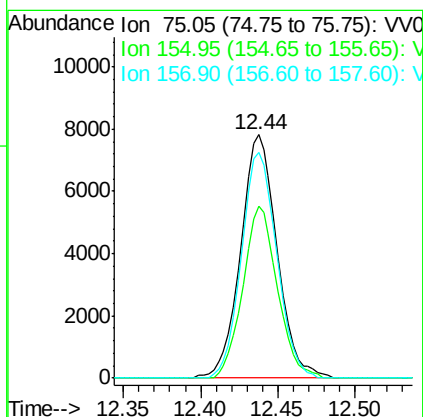
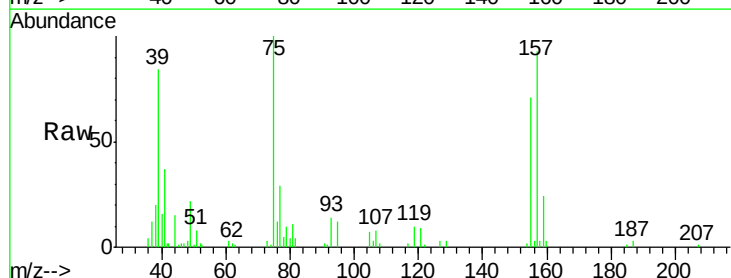
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

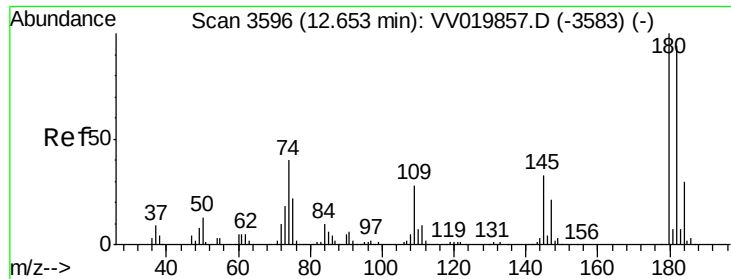
Tgt Ion: 146 Resp: 191785
 Ion Ratio Lower Upper
 146 100
 111 47.1 37.7 56.5
 148 63.2 50.6 75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.017 ug/L
 RT: 12.44 min Scan# 3529
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

Tgt Ion: 75 Resp: 12825
 Ion Ratio Lower Upper
 75 100
 155 70.6 56.5 84.7
 157 92.7 74.2 111.2

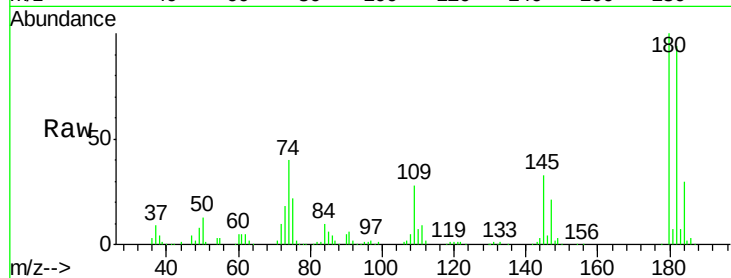




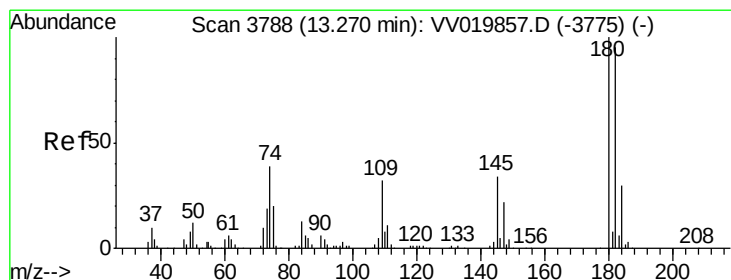
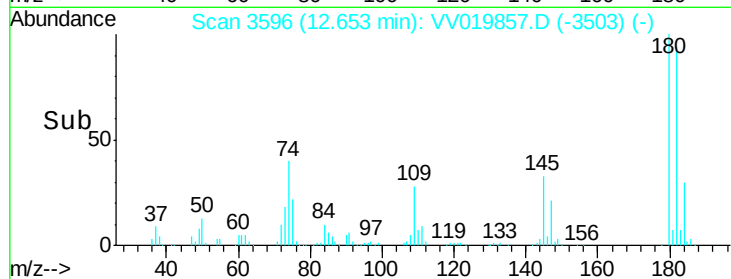
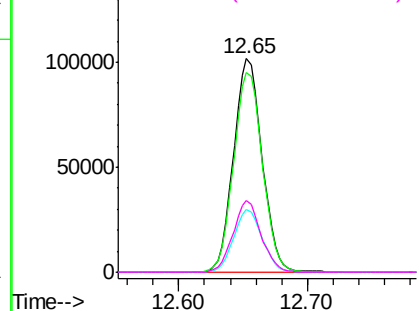
#69
 1,3,5-Trichlorobenzene
 Concen: 4.831 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion:	180	Resp:	156132
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
184	29.4	23.5	35.3
145	32.7	26.2	39.2

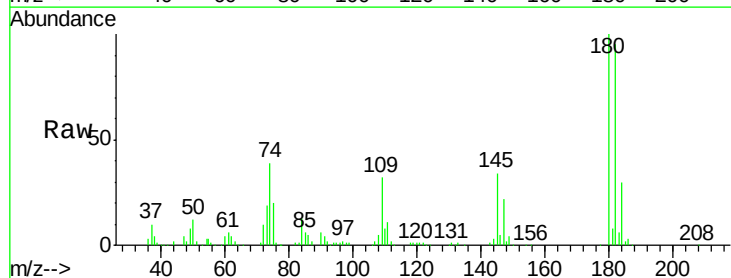


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

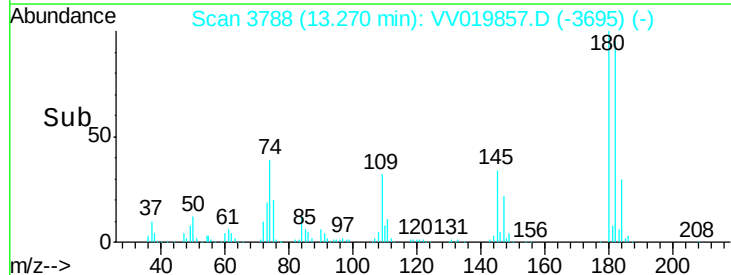
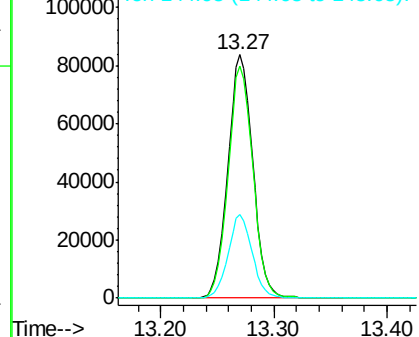


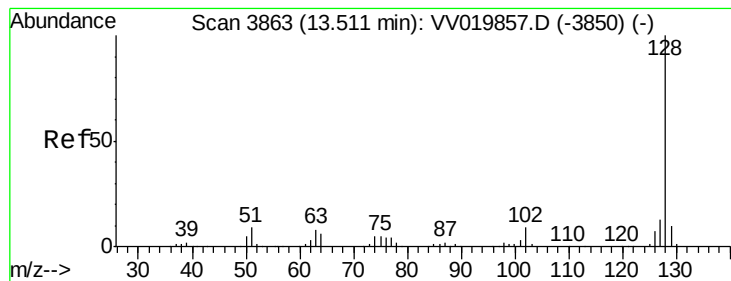
#70
 1,2,4-trichlorobenzene
 Concen: 4.772 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. 0.00 min
 Lab File: VV019857.D
 Acq: 29 Dec 2020 11:36

Tgt Ion:	180	Resp:	128191
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
145	33.2	26.6	39.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#71

Naphthalene

Concen: 4.462 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

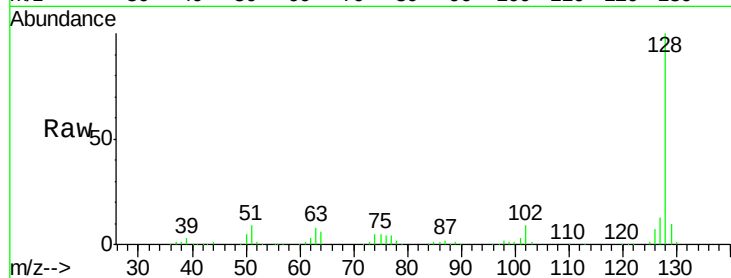
Tgt Ion:128 Resp: 200293

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

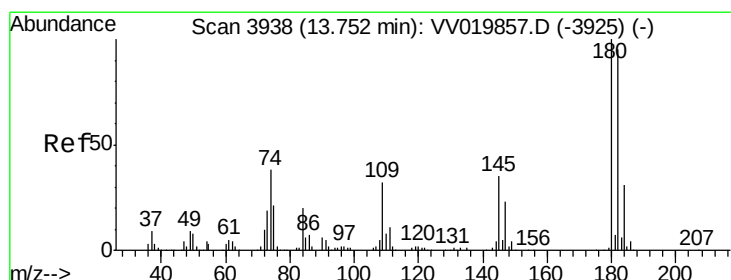
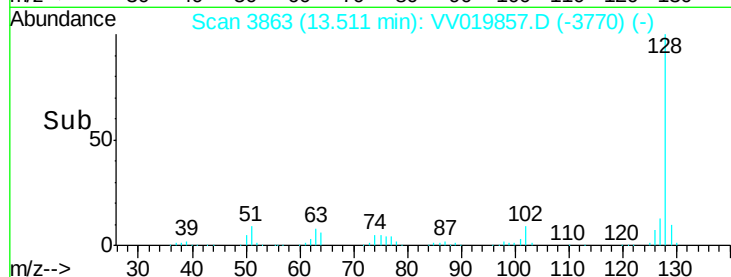
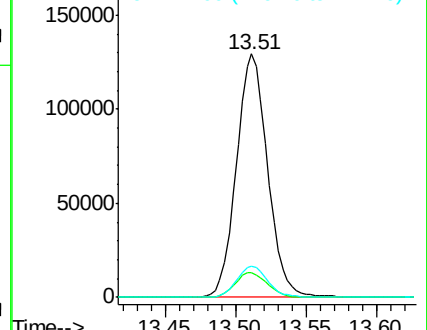
127 12.8 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 4.743 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019857.D

Acq: 29 Dec 2020 11:36

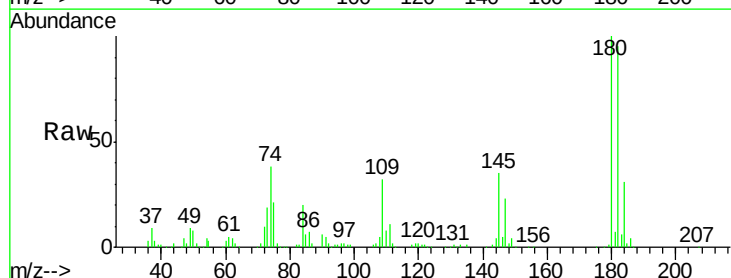
Tgt Ion:180 Resp: 111280

Ion Ratio Lower Upper

180 100

182 93.3 74.6 112.0

145 36.0 28.8 43.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

