

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122920\
 Data File : VV019861.D
 Acq On : 29 Dec 2020 13:40
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005301

Quant Time: Dec 30 04:41:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 29 12:51:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	303187	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	284669	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.26	152	140975	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	105188	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.57	69	87393	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.11	63	215306	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	3.94	46	232415	50.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.98%
24) Chloroform-d	4.35	84	196734	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.04	65	98685	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.05	84	382336	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.08	67	115953	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.32	98	334103	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	7.63	79	39951	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.10	63	172550	52.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.94%
56) 1,1,2,2-Tetrachloroethane-	10.22	84	72312	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
66) 1,2-Dichlorobenzene-d4	11.63	152	105776	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	129670	4.471 ug/L	97
3) Chloromethane	1.24	50	155594	4.852 ug/L	99
5) Vinyl chloride	1.31	62	145488	4.624 ug/L	100
6) Bromomethane	1.52	94	86550	4.699 ug/L	99
8) Chloroethane	1.58	64	89117	4.634 ug/L	98
9) Trichlorofluoromethane	1.75	101	175897	4.603 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	92735	4.511 ug/L	100
12) 1,1-Dichloroethene	2.12	96	96851	4.610 ug/L	96
13) Acetone	2.25	43	172065	49.848 ug/L	93
14) Carbon disulfide	2.29	76	338719	4.656 ug/L	99
15) Methyl Acetate	2.45	43	48781	5.658 ug/L #	83
16) Methylene chloride	2.51	84	116904	4.570 ug/L	98
17) Methyl tert-butyl Ether	2.78	73	254170	4.837 ug/L	99
18) trans-1,2-Dichloroethene	2.76	96	111878	4.715 ug/L	98
19) 1,1-Dichloroethane	3.19	63	219214	4.773 ug/L	99
21) 2-Butanone	4.01	43	268049	46.157 ug/L	97
22) cis-1,2-Dichloroethene	3.92	96	116529	4.724 ug/L	99

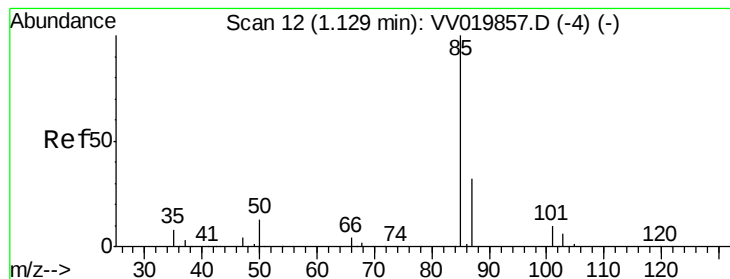
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122920\
 Data File : VV019861.D
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 29 12:51:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	48797	4.962	ug/L	98
25) Chloroform	4.38	83	221749	4.853	ug/L	97
27) 1,2-Dichloroethane	5.14	62	135992	4.886	ug/L	98
29) 1,1,1-Trichloroethane	4.61	97	184407	4.750	ug/L	99
30) Cyclohexane	4.68	56	180358	4.618	ug/L	99
31) Carbon tetrachloride	4.83	117	148028	4.668	ug/L	100
33) Benzene	5.10	78	465942	4.888	ug/L	100
34) Trichloroethene	5.92	95	117426	4.612	ug/L	98
35) Methylcyclohexane	6.14	83	175676	4.612	ug/L	98
37) 1,2-Dichloropropane	6.18	63	118054	4.940	ug/L	100
38) Bromodichloromethane	6.51	83	142228	4.825	ug/L	98
39) cis-1,3-Dichloropropene	7.03	75	160916	4.906	ug/L	100
40) 4-Methyl-2-pentanone	7.23	43	693651	51.393	ug/L	99
42) Toluene	7.39	91	467776	4.833	ug/L	100
44) trans-1,3-Dichloropropene	7.66	75	131952	4.911	ug/L	93
45) 1,1,2-Trichloroethane	7.85	97	76169	4.928	ug/L	99
47) Tetrachloroethene	7.98	164	76694	4.434	ug/L	98
48) 2-Hexanone	8.15	43	484048	51.741	ug/L	99
49) Dibromochloromethane	8.25	129	82216	4.917	ug/L	100
50) 1,2-Dibromoethane	8.36	107	70216	5.002	ug/L	100
51) Chlorobenzene	8.89	112	287785	4.701	ug/L	98
52) Ethylbenzene	9.02	91	508277	4.739	ug/L	99
53) m,p-xylene	9.14	106	186990	4.770	ug/L	98
54) o-xylene	9.55	106	182118	4.846	ug/L	99
55) Styrene	9.57	104	310244	4.885	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.25	83	83147	5.082	ug/L	98
59) Bromoform	9.74	173	37467	4.899	ug/L	100
60) Isopropylbenzene	9.94	105	484000	4.716	ug/L	100
61) 1,2,3-Trichloropropane	10.28	75	67237	4.933	ug/L	98
62) 1,3,5-Trimethylbenzene	10.54	105	401785	4.736	ug/L	100
63) 1,2,4-Trimethylbenzene	10.92	105	412424	4.772	ug/L	100
64) 1,3-Dichlorobenzene	11.19	146	213120	4.729	ug/L	98
65) 1,4-Dichlorobenzene	11.28	146	211938	4.688	ug/L	98
67) 1,2-Dichlorobenzene	11.65	146	195349	4.714	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.44	75	13297	4.731	ug/L	94
69) 1,3,5-Trichlorobenzene	12.65	180	154462	4.625	ug/L	100
70) 1,2,4-trichlorobenzene	13.27	180	130244	4.796	ug/L	100
71) Naphthalene	13.51	128	214523	5.221	ug/L	100
72) 1,2,3-Trichlorobenzene	13.75	180	114878	4.970	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.471 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

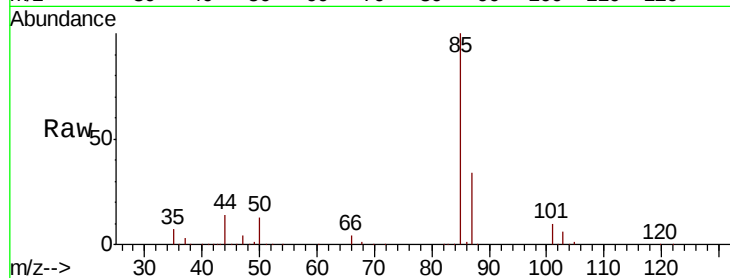
VSTD005301

Tot Ion: 85 Resp: 129670

Ion Ratio Lower Upper

85 100

87 33.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV019857.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VV019857.D (-4) (-)

1.13

150000

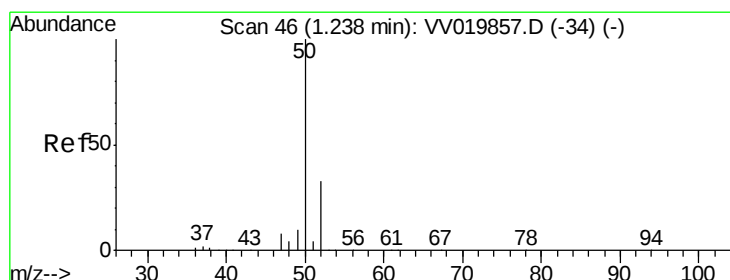
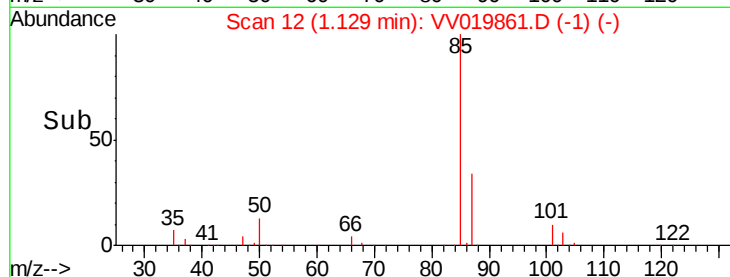
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 4.852 ug/L

RT: 1.24 min Scan# 47

Delta R.T. 0.00 min

Lab File: VV019861.D

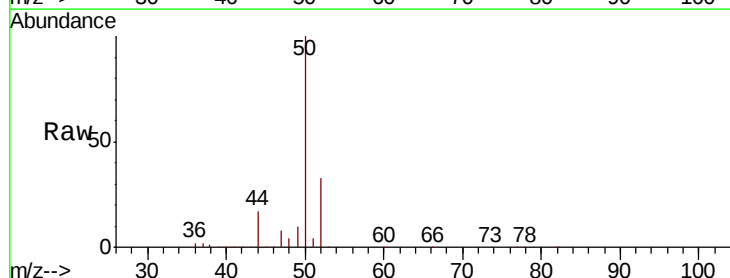
Acq: 29 Dec 2020 13:40

Tgt Ion: 50 Resp: 155594

Ion Ratio Lower Upper

50 100

52 32.6 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV019857.D (-34) (-)

Ion 52.05 (51.75 to 52.75): VV019857.D (-34) (-)

1.24

150000

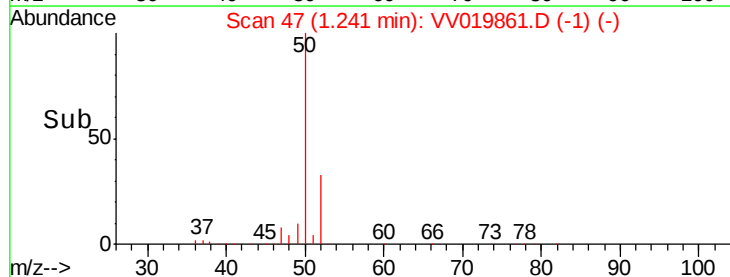
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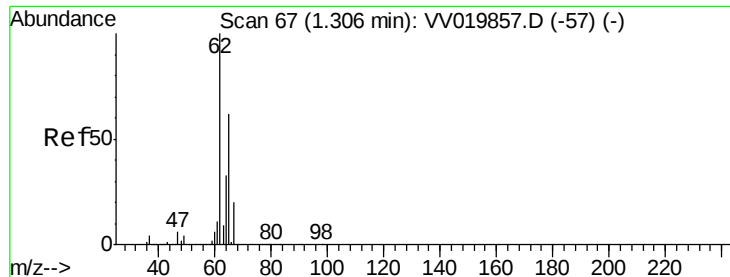
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 4.624 ug/L

RT: 1.31 min Scan# 68

Delta R.T. 0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

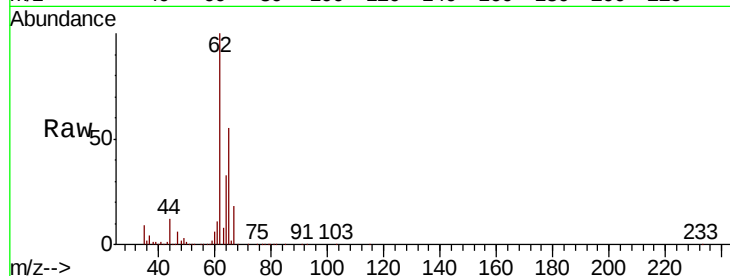
VSTD005301

Tot Ion: 62 Resp: 145488

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.31

150000

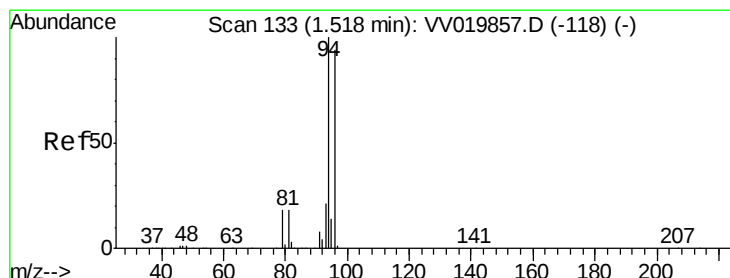
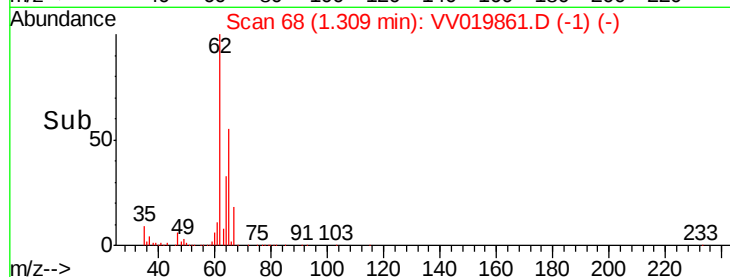
100000

50000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.699 ug/L

RT: 1.52 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV019861.D

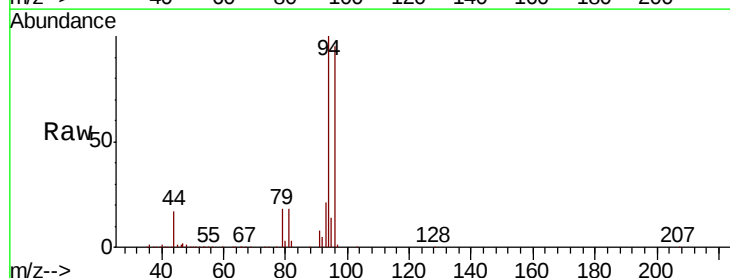
Acq: 29 Dec 2020 13:40

Tgt Ion: 94 Resp: 86550

Ion Ratio Lower Upper

94 100

96 94.8 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

80000

60000

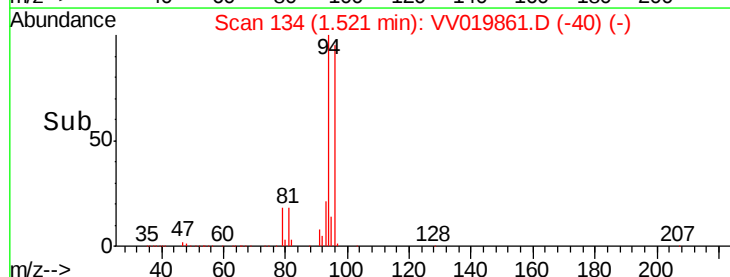
40000

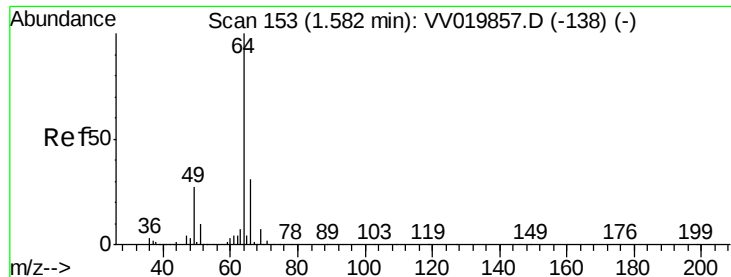
20000

0

Time-->

1.45 1.50 1.55 1.60





#8

Chloroethane

Concen: 4.634 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

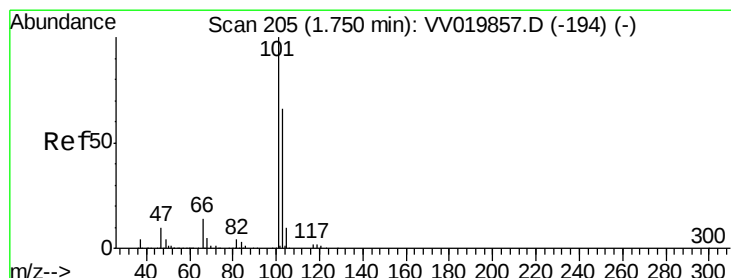
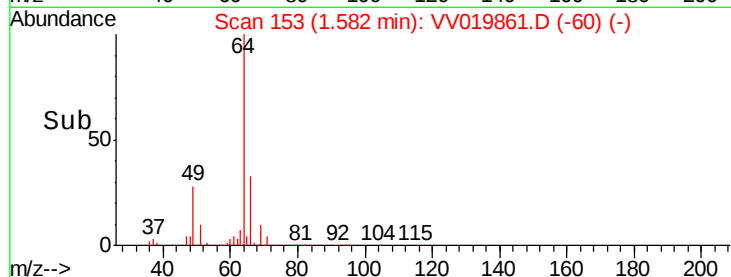
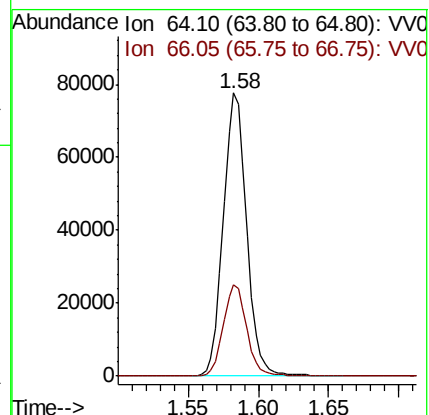
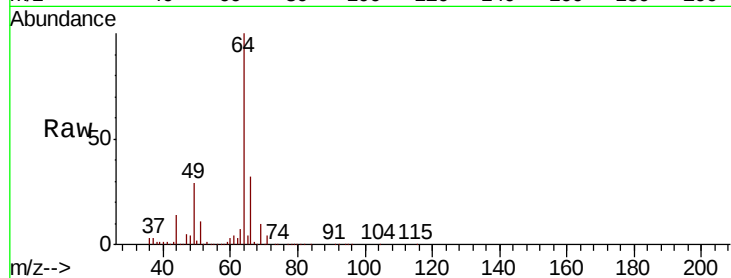
VSTD005301

Tot Ion: 64 Resp: 89117

Ion Ratio Lower Upper

64 100

66 32.5 22.0 40.8



#9

Trichlorofluoromethane

Concen: 4.603 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.00 min

Lab File: VV019861.D

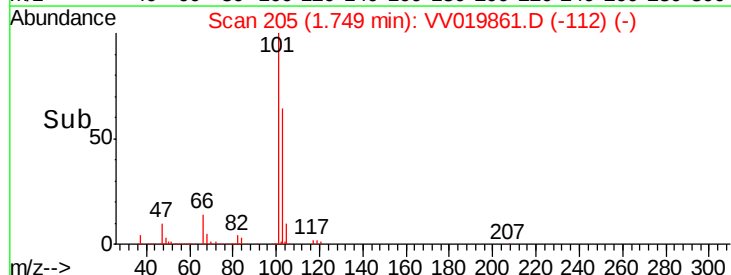
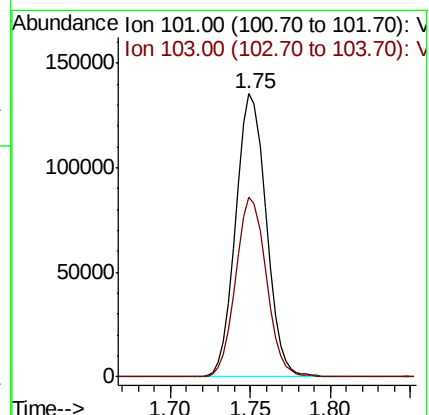
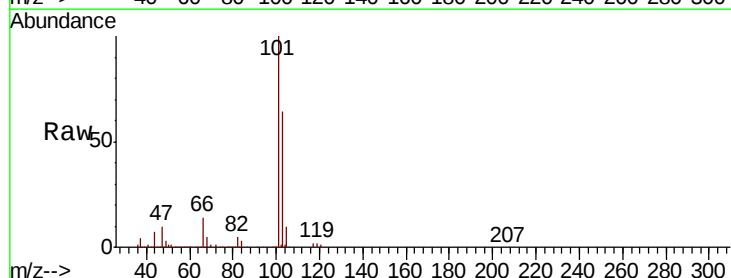
Acq: 29 Dec 2020 13:40

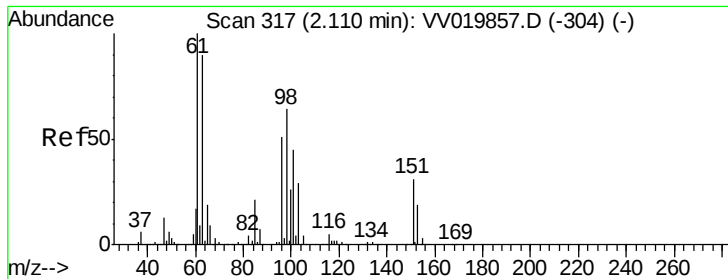
Tgt Ion: 101 Resp: 175897

Ion Ratio Lower Upper

101 100

103 63.8 51.8 77.8





#10

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

Concen: 4.511 ug/L

RT: 2.11 min Scan# 318

Delta R.T. 0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005301

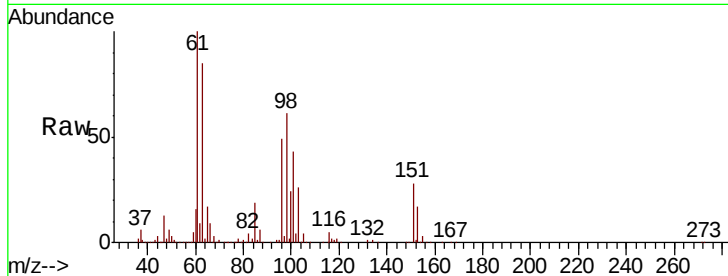
Tot Ion:101 Resp: 92735

Ion Ratio Lower Upper

101 100

85 45.5 36.4 54.6

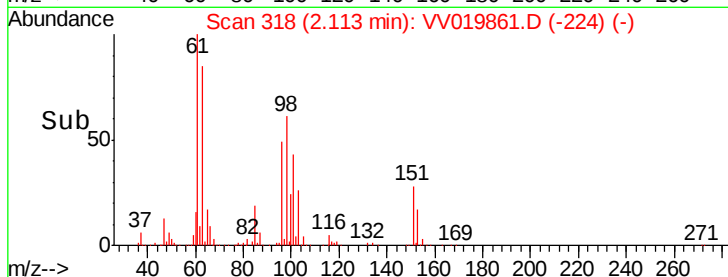
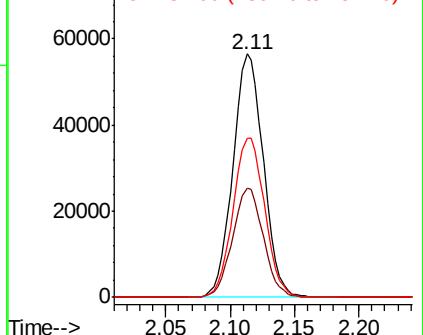
151 68.0 54.1 81.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.610 ug/L

RT: 2.12 min Scan# 319

Delta R.T. 0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

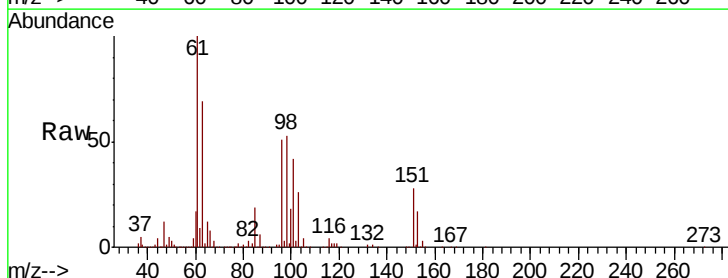
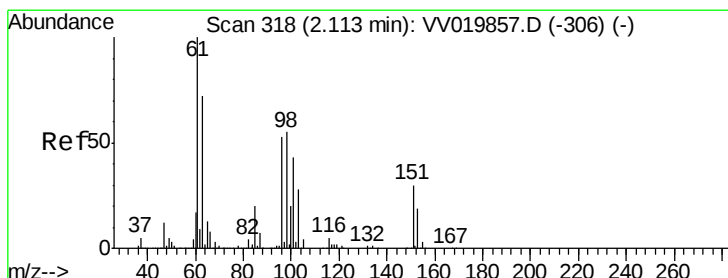
Tgt Ion: 96 Resp: 96851

Ion Ratio Lower Upper

96 100

61 197.5 131.5 244.1

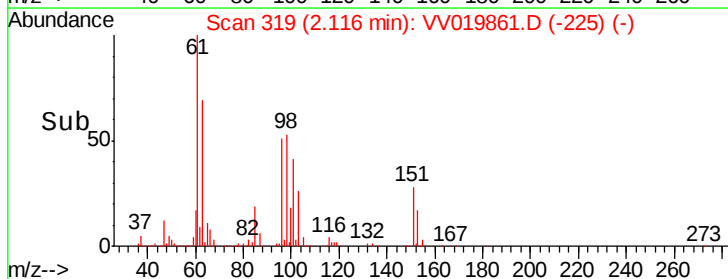
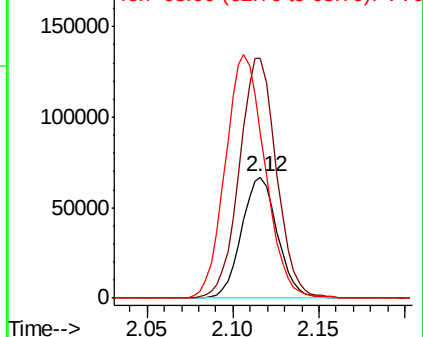
63 136.6 95.2 176.8

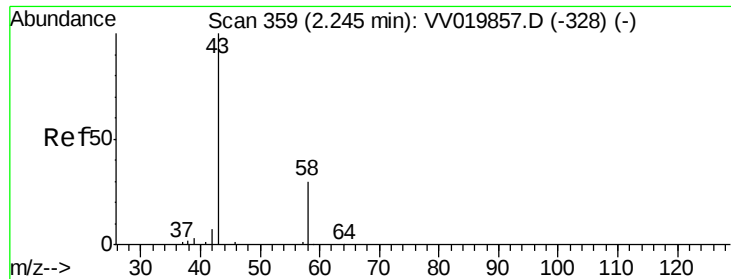


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 49.848 ug/L

RT: 2.25 min Scan# 360

Delta R.T. 0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

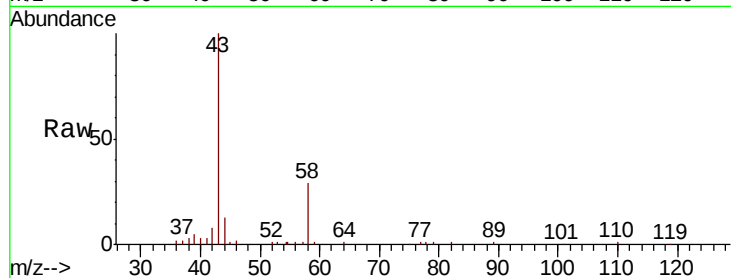
VSTD005301

Tot Ion: 43 Resp: 172065

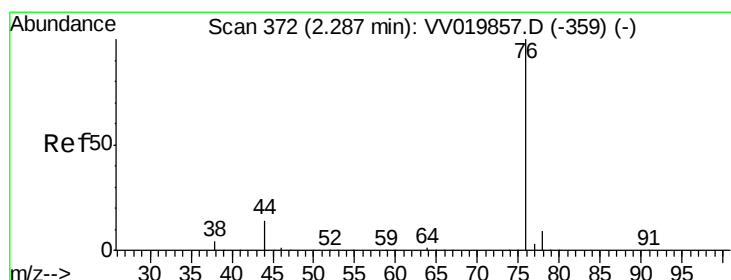
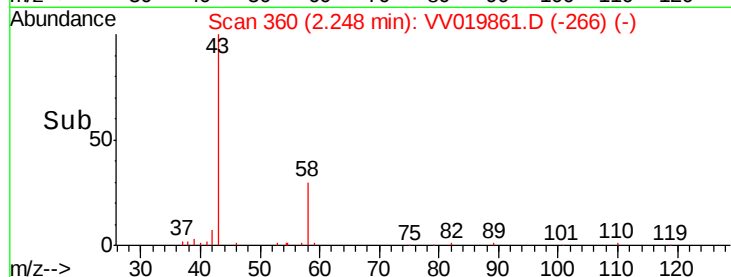
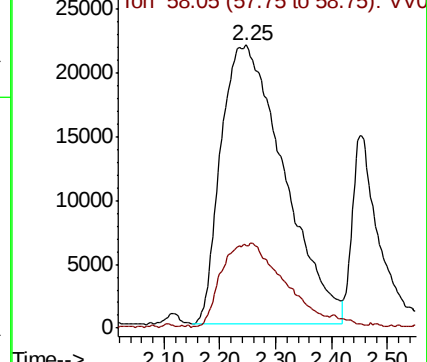
Ion Ratio Lower Upper

43 100

58 12.8 0.0 31.4



Abundance Ion 43.05 (42.75 to 43.75): VV019857.D (-328) (-)



#14

Carbon disulfide

Concen: 4.656 ug/L

RT: 2.29 min Scan# 373

Delta R.T. 0.00 min

Lab File: VV019861.D

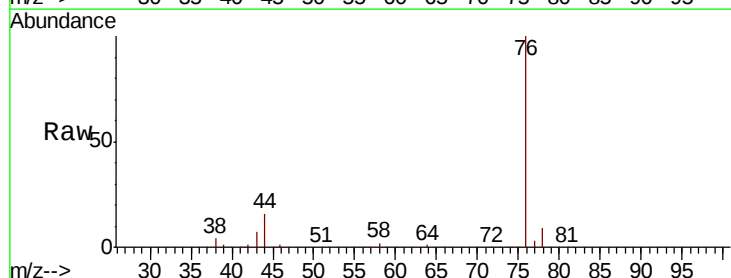
Acq: 29 Dec 2020 13:40

Tgt Ion: 76 Resp: 338719

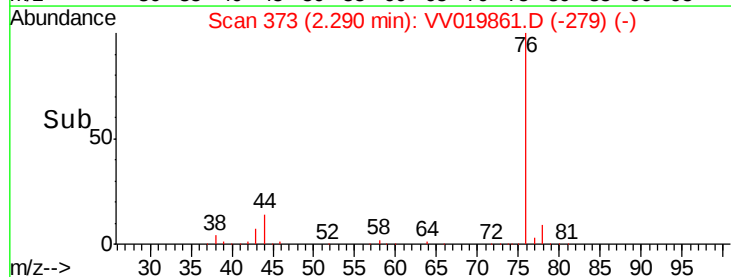
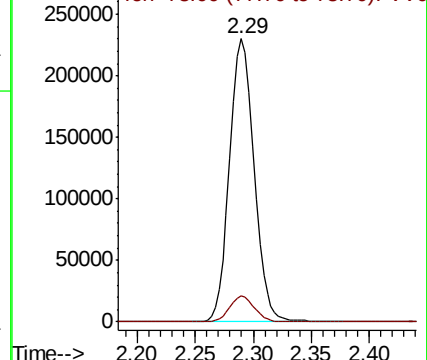
Ion Ratio Lower Upper

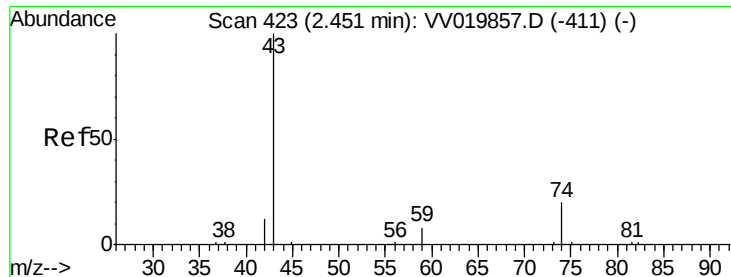
76 100

78 9.3 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV019857.D (-359) (-)





#15

Methyl Acetate

Concen: 5.658 ug/L

RT: 2.45 min Scan# 423

Delta R.T. -0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

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ClientSampleId :

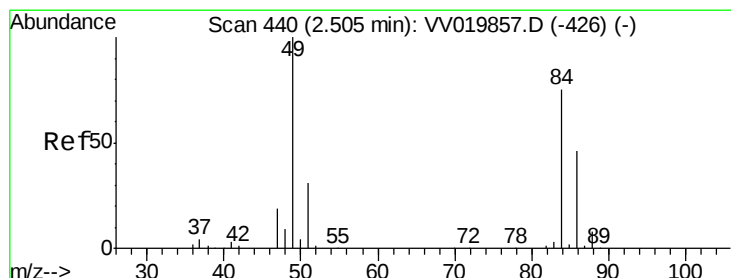
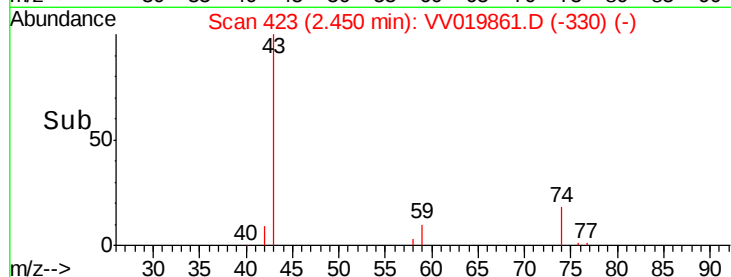
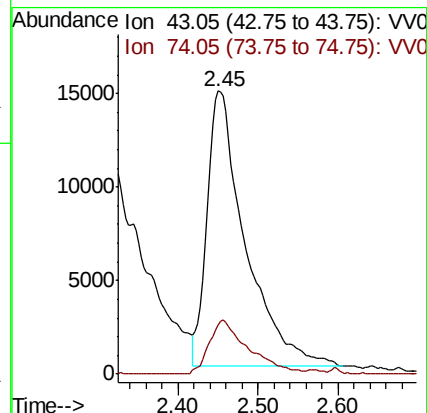
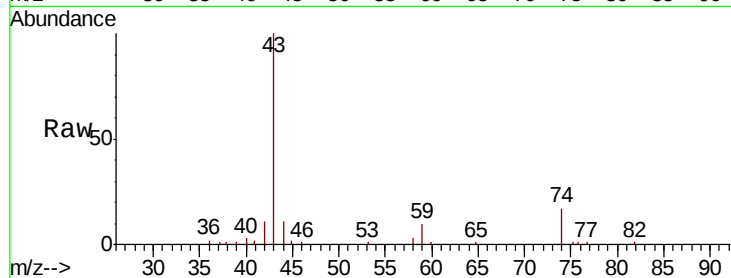
VSTD005301

Tot Ion: 43 Resp: 48781

Ion Ratio Lower Upper

43 100

74 20.2 10.6 16.0#



#16

Methylene chloride

Concen: 4.570 ug/L

RT: 2.51 min Scan# 441

Delta R.T. 0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

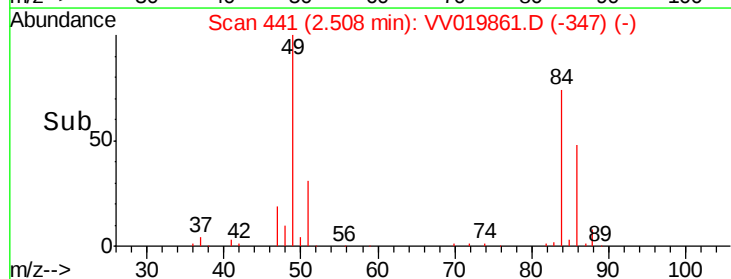
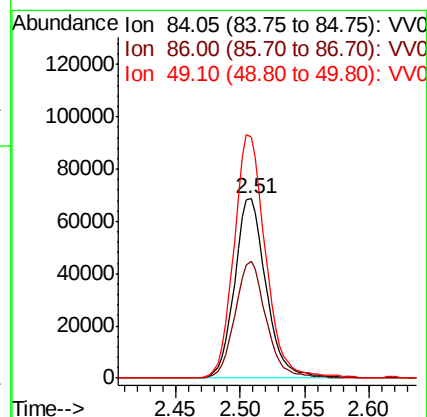
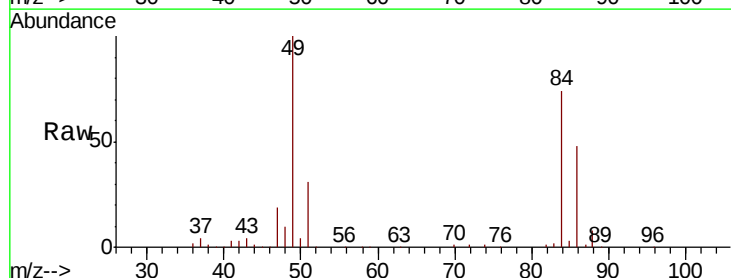
Tgt Ion: 84 Resp: 116904

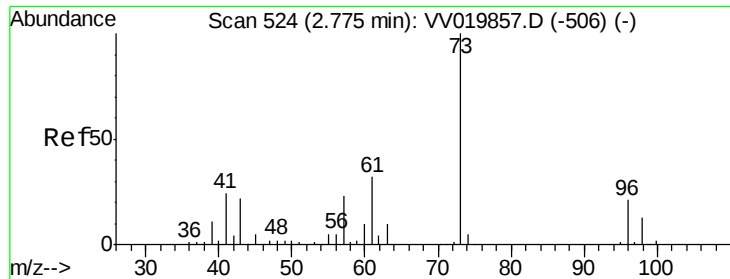
Ion Ratio Lower Upper

84 100

86 65.3 42.8 79.4

49 135.0 93.9 174.3



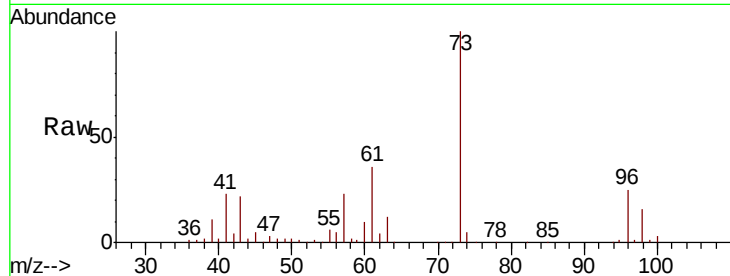


#17

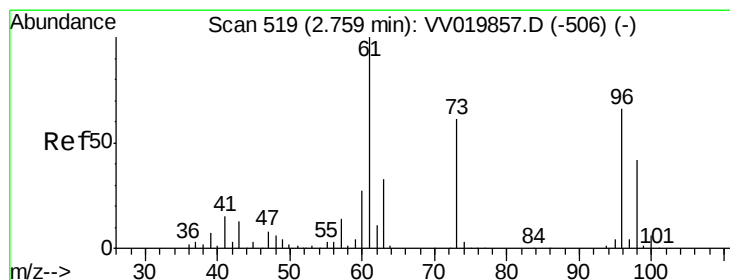
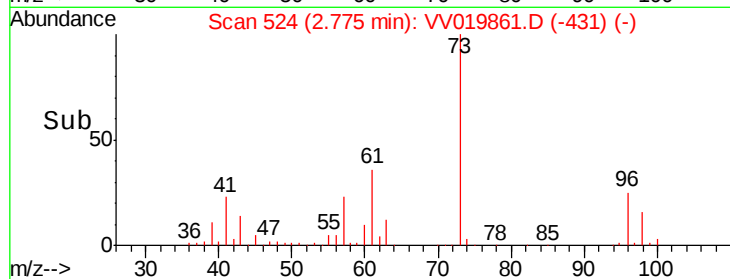
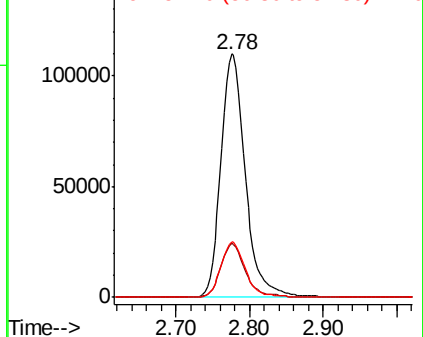
Methvl tert-butvl Ether
 Concen: 4.837 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD005301

Tot Ion: 73 Resp: 254170
 Ion Ratio Lower Upper
 73 100
 43 22.0 17.0 25.6
 57 22.7 18.2 27.4



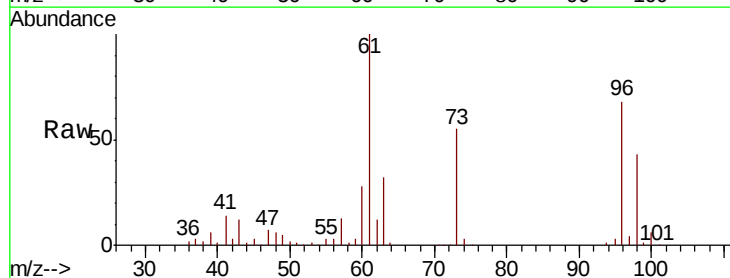
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



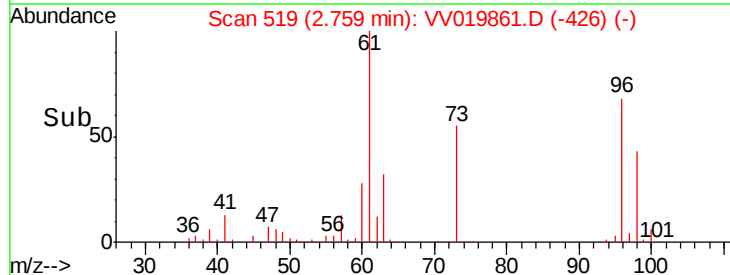
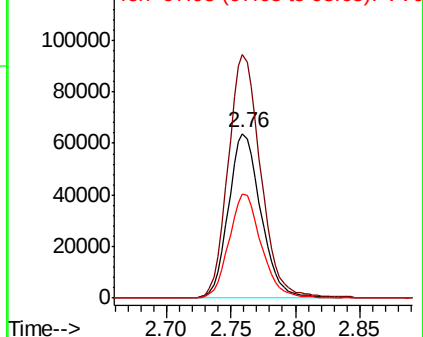
#18

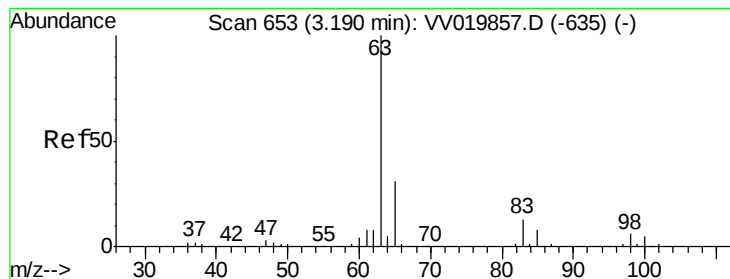
trans-1,2-Dichloroethene
 Concen: 4.715 ug/L
 RT: 2.76 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

Tgt Ion: 96 Resp: 111878
 Ion Ratio Lower Upper
 96 100
 61 147.9 106.3 197.3
 98 63.1 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: 4.773 ug/L

RT: 3.19 min Scan# 654

Delta R.T. 0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005301

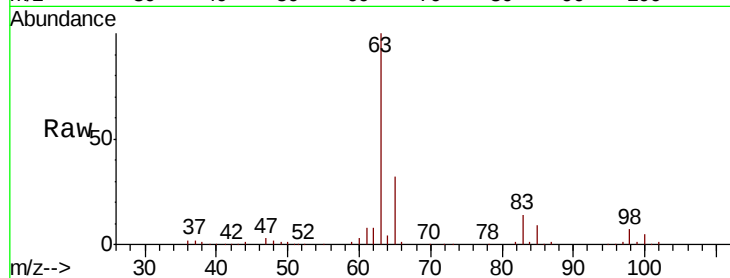
Tot Ion: 63 Resp: 219214

Ion Ratio Lower Upper

63 100

65 31.8 21.8 40.6

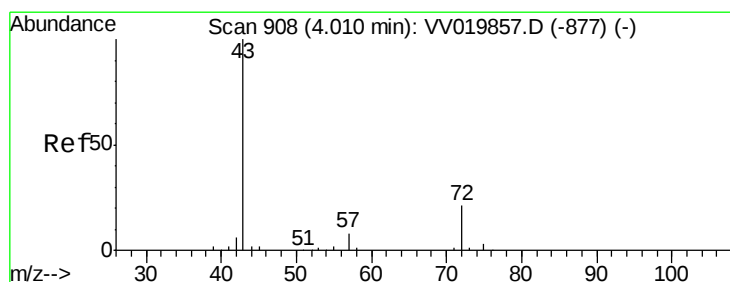
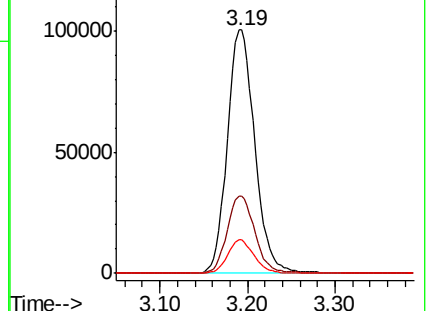
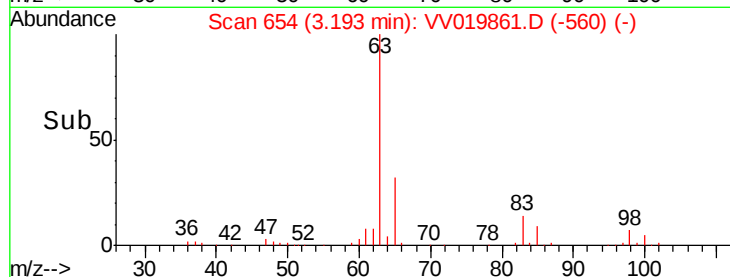
83 13.7 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 46.157 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.00 min

Lab File: VV019861.D

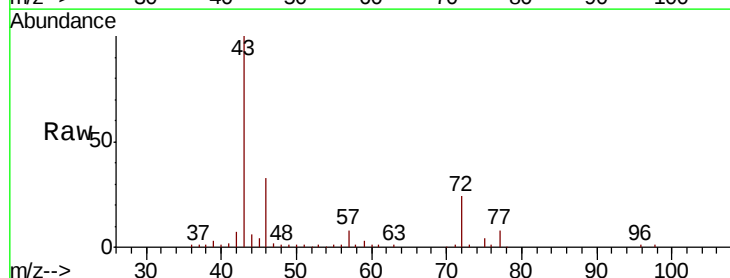
Acq: 29 Dec 2020 13:40

Tgt Ion: 43 Resp: 268049

Ion Ratio Lower Upper

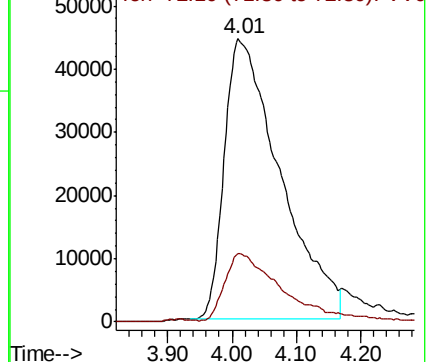
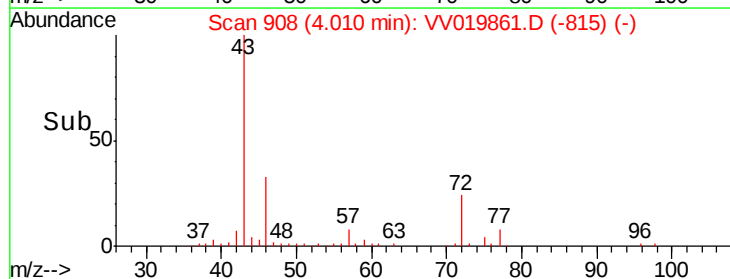
43 100

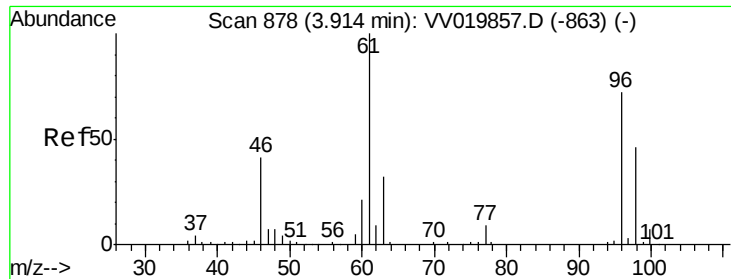
72 23.4 10.9 32.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0





#22

cis-1,2-Dichloroethene

Concen: 4.724 ug/L

RT: 3.92 min Scan# 879

Delta R.T. 0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005301

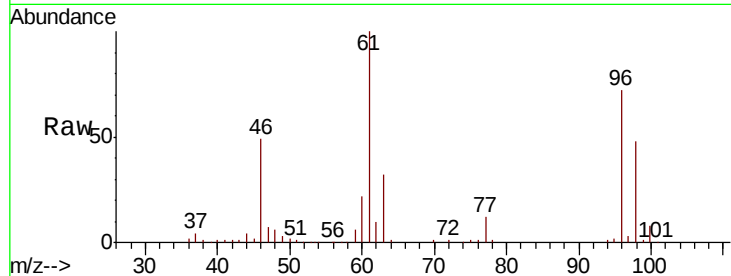
Tot Ion: 96 Resp: 116529

Ion Ratio Lower Upper

96 100

61 139.4 98.1 182.3

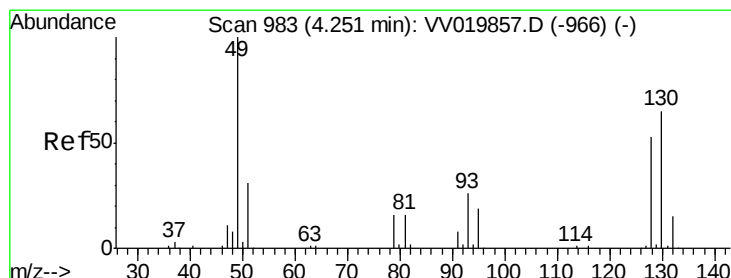
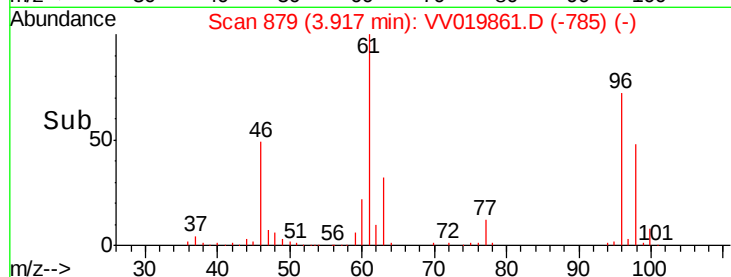
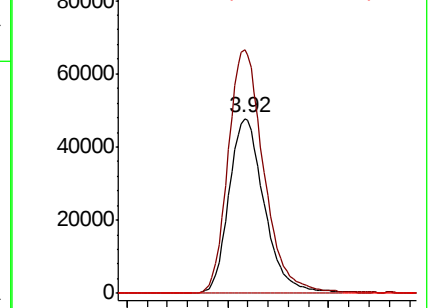
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV019861.D (-785) (-)

Ion 61.05 (60.75 to 61.75): VV019861.D (-785) (-)

Ion 68.15 (67.85 to 68.85): VV019861.D (-785) (-)



#23

Bromochloromethane

Concen: 4.962 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

Tgt Ion: 128 Resp: 48797

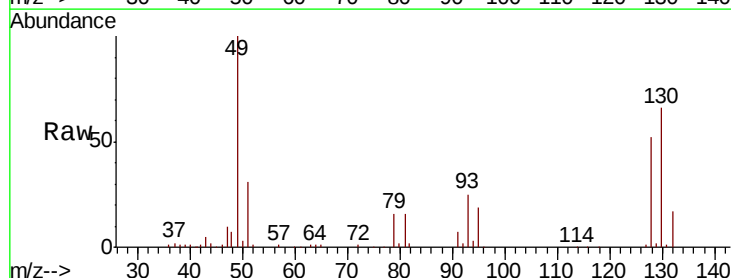
Ion Ratio Lower Upper

128 100

49 192.4 132.6 246.2

130 126.1 86.4 160.4

51 59.8 48.0 72.0

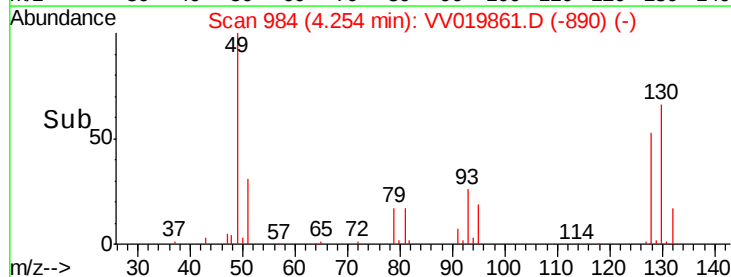
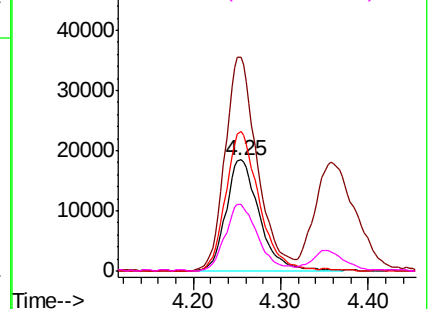


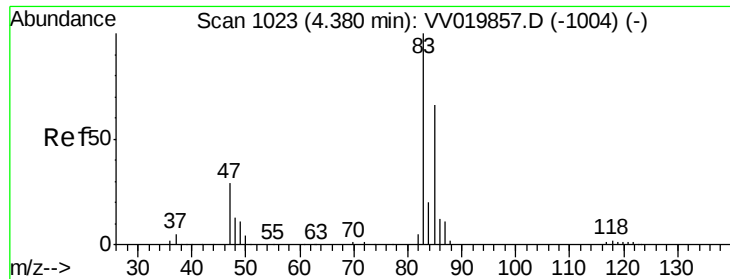
Abundance Ion 127.90 (127.60 to 128.60): VV019861.D (-890) (-)

Ion 49.10 (48.80 to 49.80): VV019861.D (-890) (-)

Ion 129.95 (129.65 to 130.65): VV019861.D (-890) (-)

Ion 51.05 (50.75 to 51.75): VV019861.D (-890) (-)

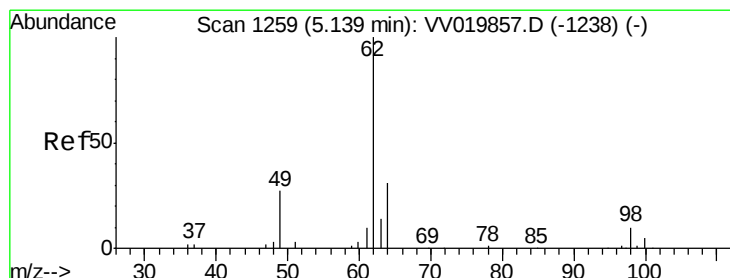
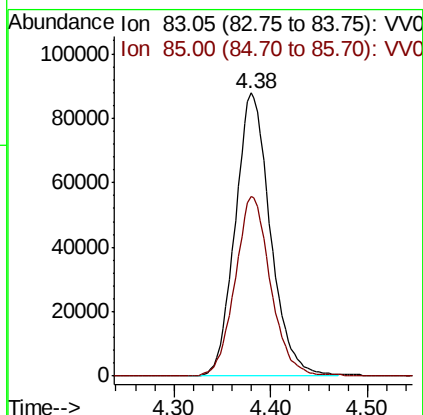
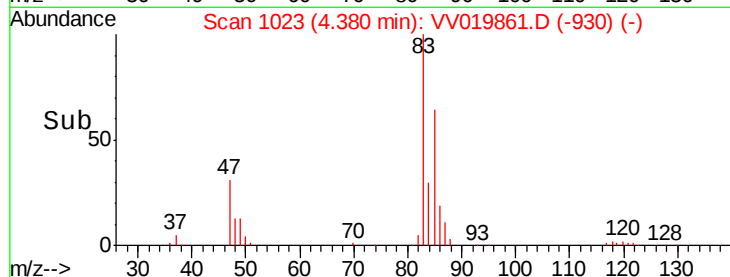
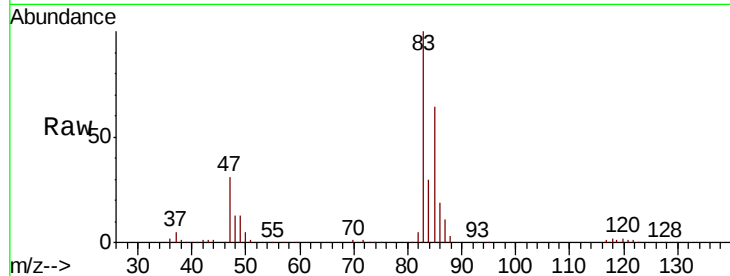




#25
Chloroform
Concen: 4.853 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VV019861.D
Acq: 29 Dec 2020 13:40

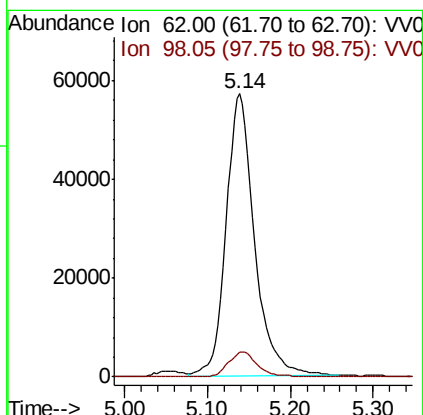
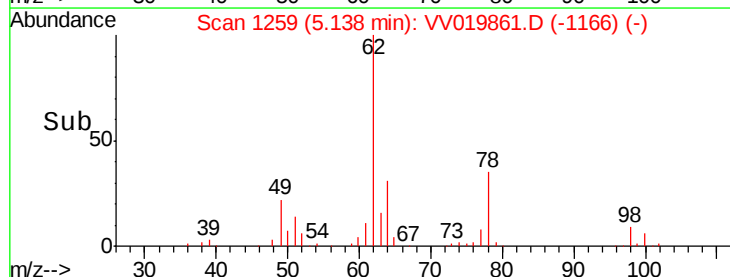
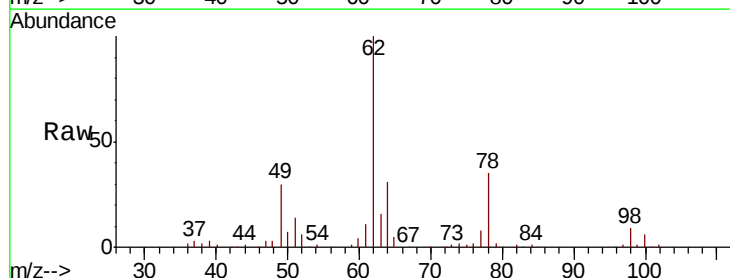
Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

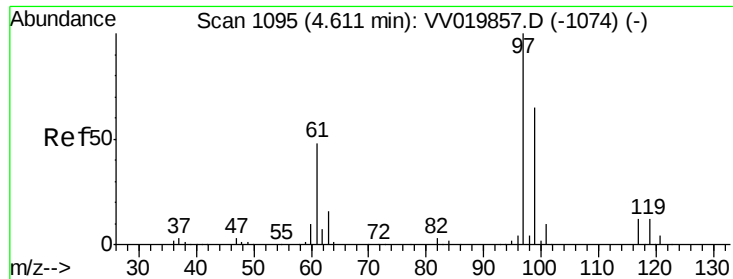
Tot Ion: 83 Resp: 221749
Ion Ratio Lower Upper
83 100
85 63.6 46.4 86.2



#27
1,2-Dichloroethane
Concen: 4.886 ug/L
RT: 5.14 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VV019861.D
Acq: 29 Dec 2020 13:40

Tgt Ion: 62 Resp: 135992
Ion Ratio Lower Upper
62 100
98 8.6 7.6 11.4

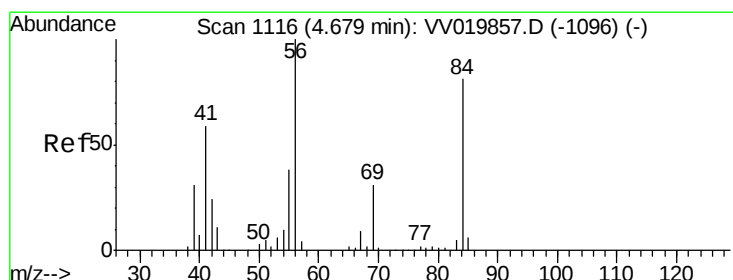
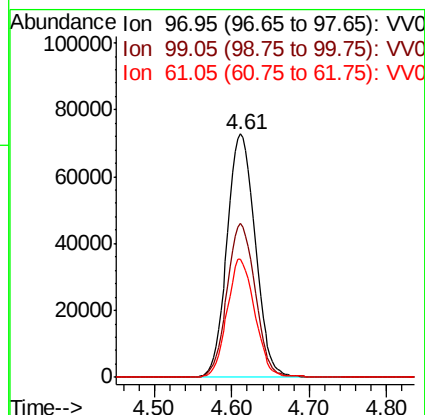
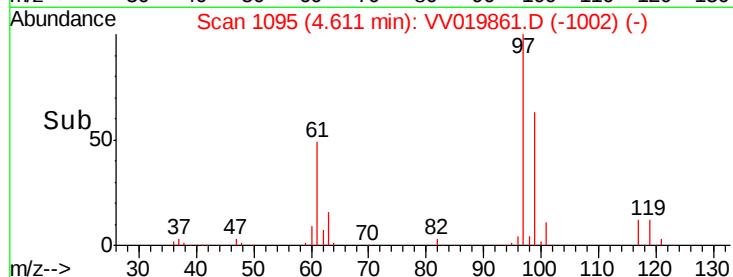
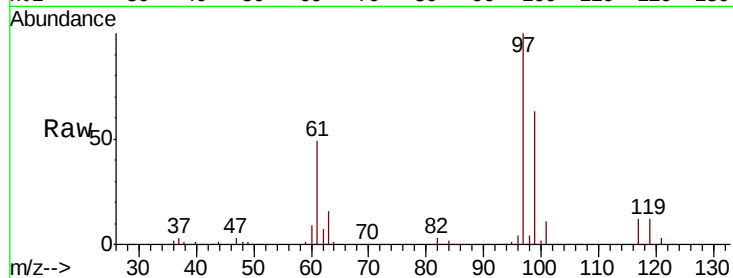




#29
1,1,1-Trichloroethane
Concen: 4.750 ug/L
RT: 4.61 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VV019861.D
Acq: 29 Dec 2020 13:40

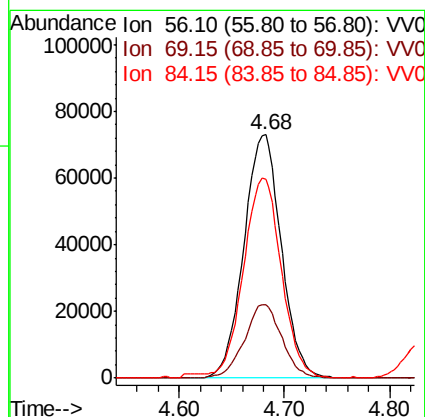
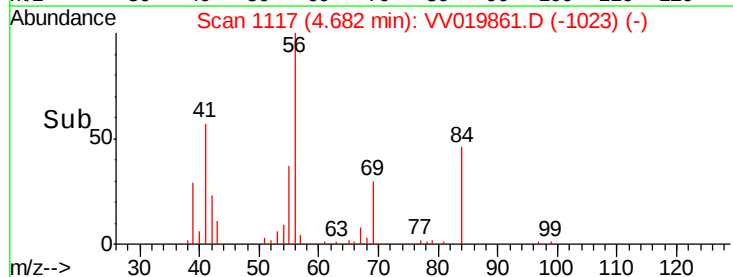
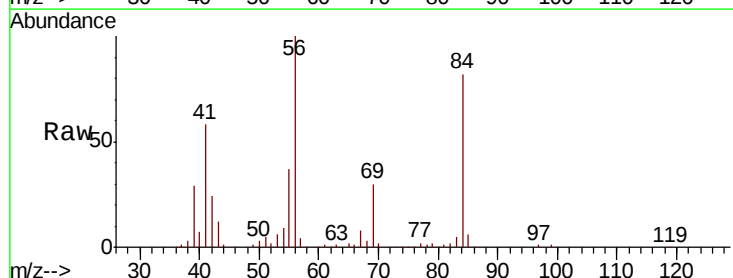
Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

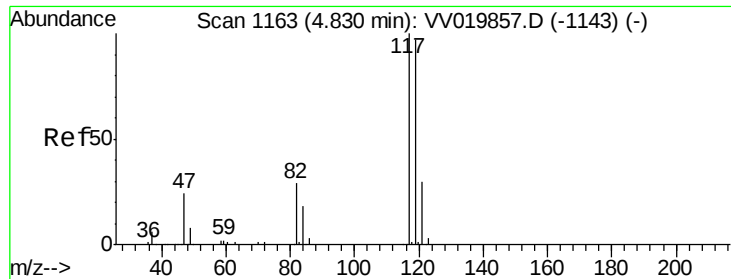
Tot Ion: 97 Resp: 184407
Ion Ratio Lower Upper
97 100
99 62.9 51.1 76.7
61 47.7 38.6 57.8



#30
Cyclohexane
Concen: 4.618 ug/L
RT: 4.68 min Scan# 1117
Delta R.T. 0.00 min
Lab File: VV019861.D
Acq: 29 Dec 2020 13:40

Tgt Ion: 56 Resp: 180358
Ion Ratio Lower Upper
56 100
69 30.2 24.1 36.1
84 82.8 66.8 100.2

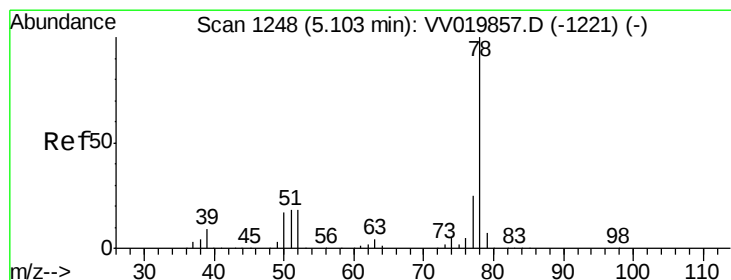
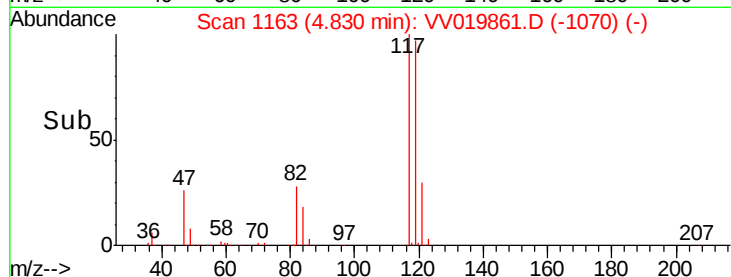
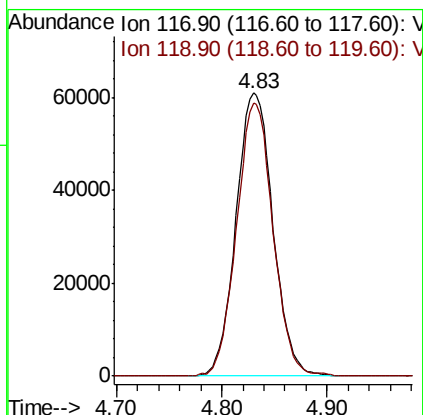
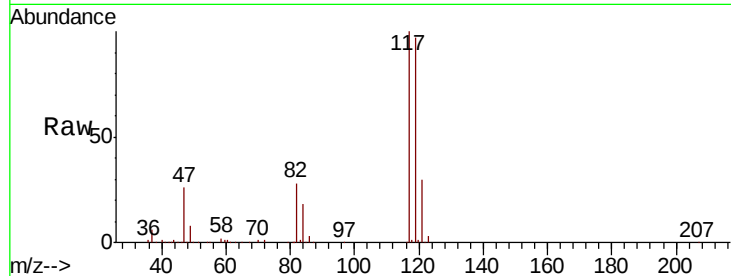




#31
Carbon tetrachloride
Concen: 4.668 ug/L
RT: 4.83 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VV019861.D
Acq: 29 Dec 2020 13:40

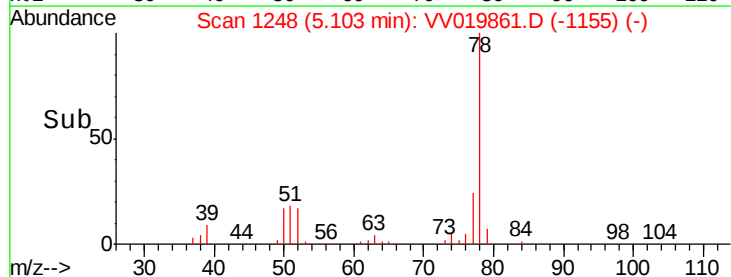
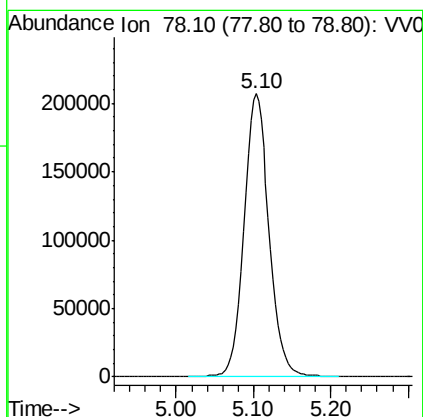
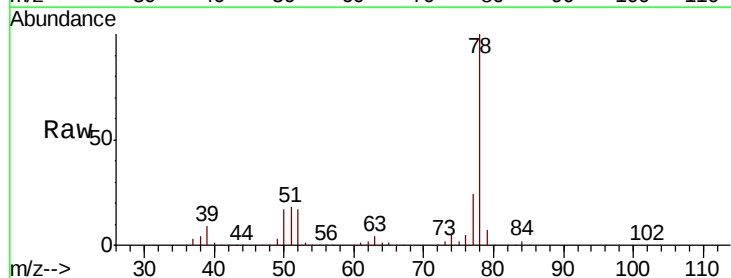
Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

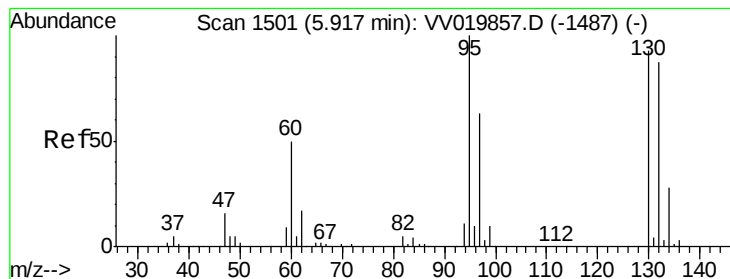
Tot Ion:117 Resp: 148028
Ion Ratio Lower Upper
117 100
119 95.3 76.0 114.0



#33
Benzene
Concen: 4.888 ug/L
RT: 5.10 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VV019861.D
Acq: 29 Dec 2020 13:40

Tgt Ion: 78 Resp: 465942





#34

Trichloroethene

Concen: 4.612 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005301

Tot Ion: 95 Resp: 117426

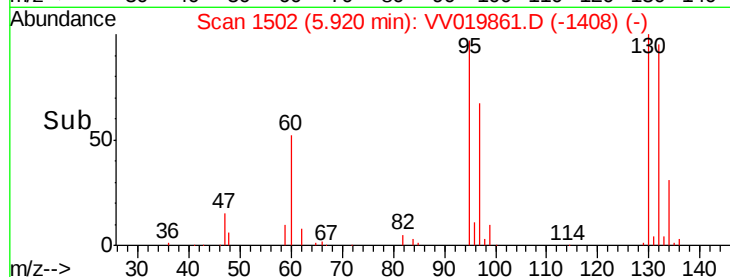
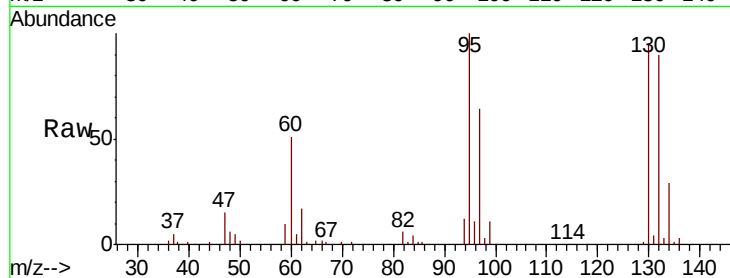
Ion Ratio Lower Upper

95 100

97 64.0 44.1 81.9

132 90.3 61.2 113.8

130 95.1 65.1 120.9



Abundance Ion 95.00 (94.70 to 95.70): VV019861.D (-1408) (-)

Ion 96.95 (96.65 to 97.65): VV019861.D (-1408) (-)

Ion 131.95 (131.65 to 132.65): VV019861.D (-1408) (-)

Ion 129.95 (129.65 to 130.65): VV019861.D (-1408) (-)

Time-->

5.85 5.90 5.95 6.00

60000

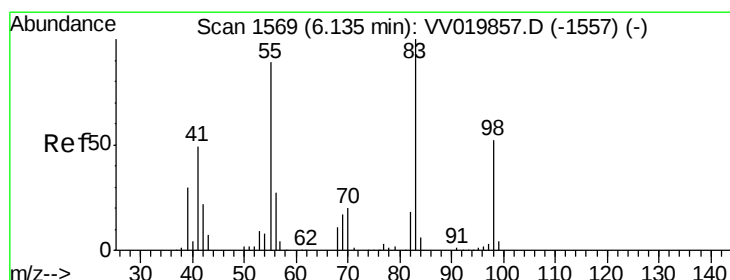
40000

20000

0

5.85 5.90 5.95 6.00

Time-->



#35

Methylcyclohexane

Concen: 4.612 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

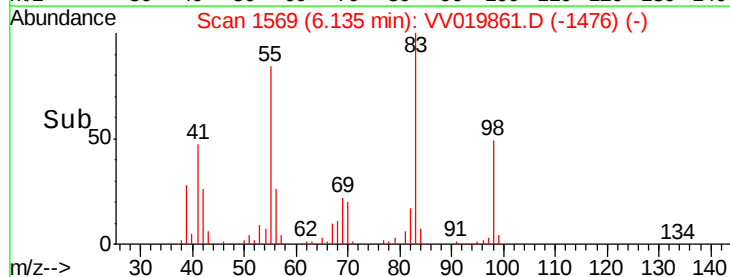
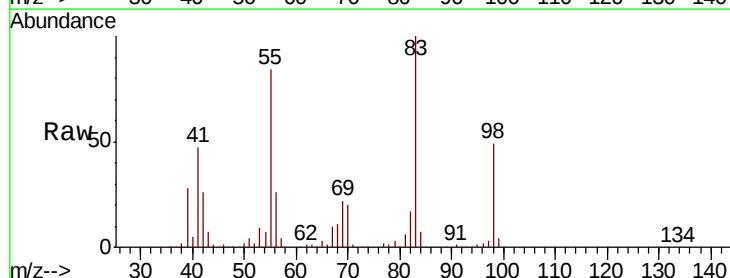
Tgt Ion: 83 Resp: 175676

Ion Ratio Lower Upper

83 100

55 82.1 67.5 101.3

98 48.4 38.6 58.0



Abundance Ion 83.15 (82.85 to 83.85): VV019861.D (-1476) (-)

Ion 55.10 (54.80 to 55.80): VV019861.D (-1476) (-)

Ion 98.15 (97.85 to 98.85): VV019861.D (-1476) (-)

Time-->

6.05 6.10 6.15 6.20

100000

80000

60000

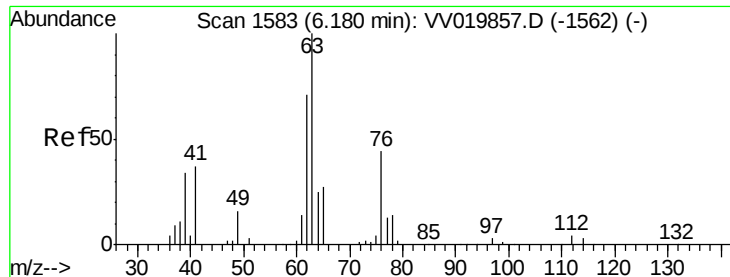
40000

20000

0

6.05 6.10 6.15 6.20

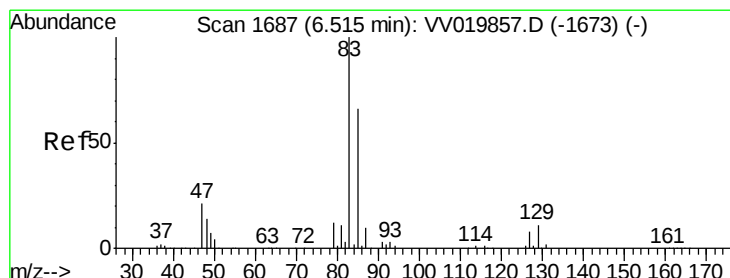
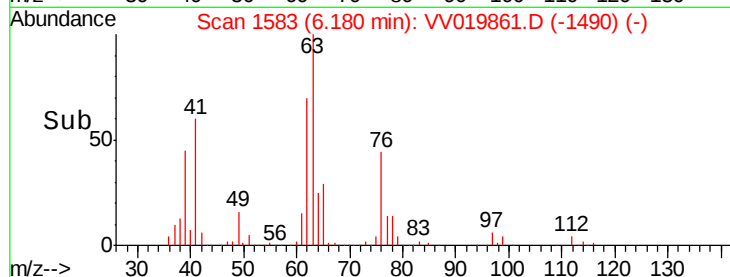
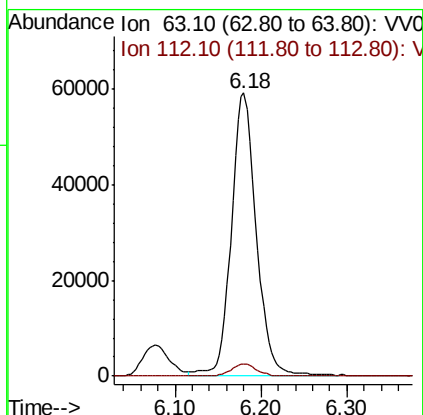
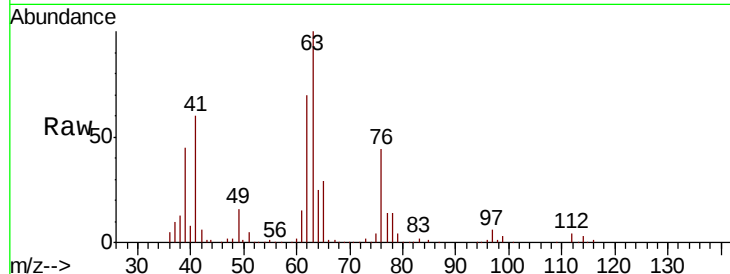
Time-->



#37
 1,2-Dichloropropane
 Concen: 4.940 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

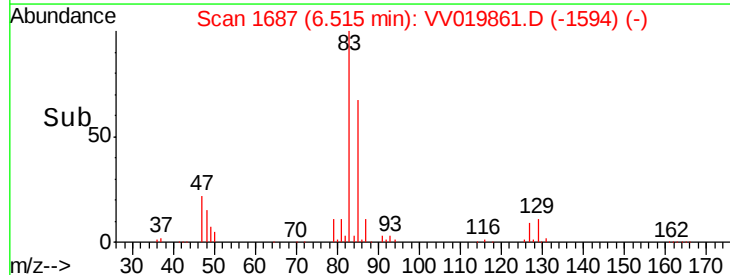
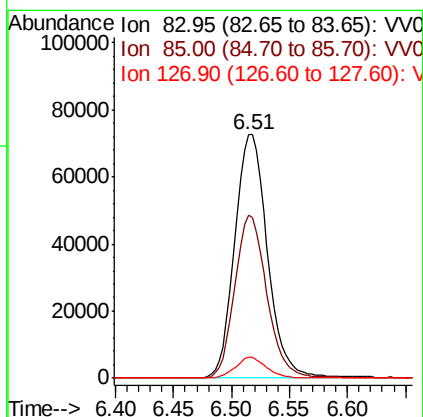
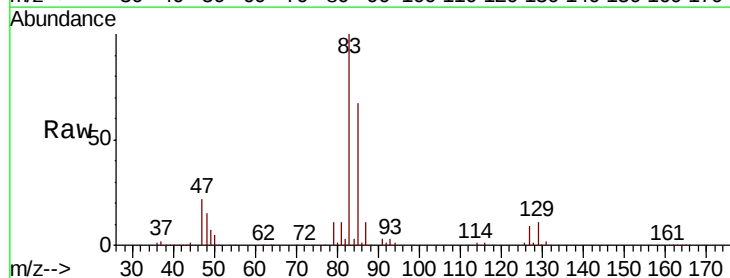
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005301

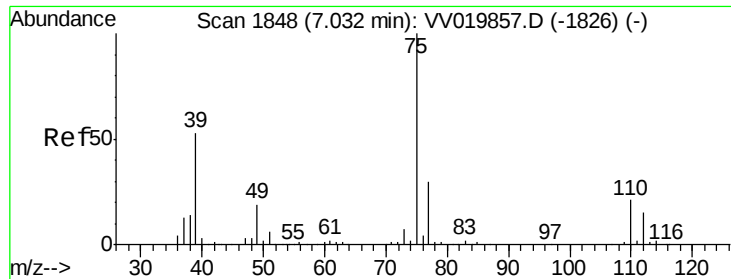
Tot Ion: 63 Resp: 118054
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.825 ug/L
 RT: 6.51 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

Tgt Ion: 83 Resp: 142228
 Ion Ratio Lower Upper
 83 100
 85 66.9 45.9 85.3
 127 8.6 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 4.906 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

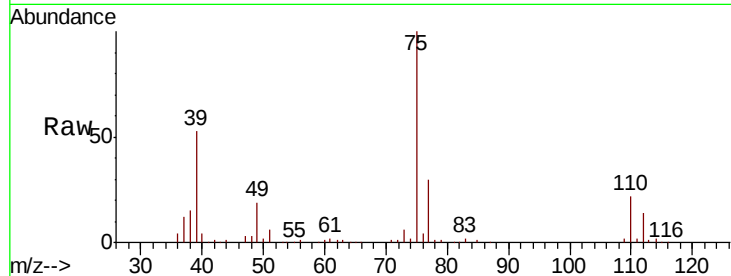
VSTD005301

Tot Ion: 75 Resp: 160916

Ion Ratio Lower Upper

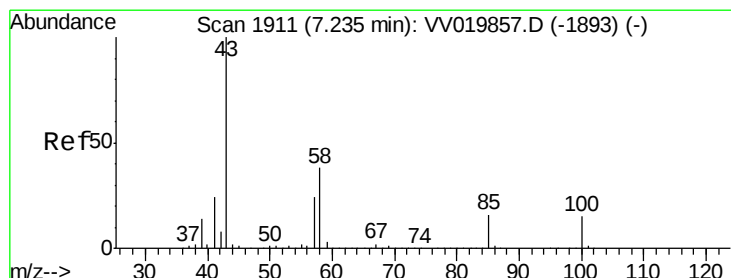
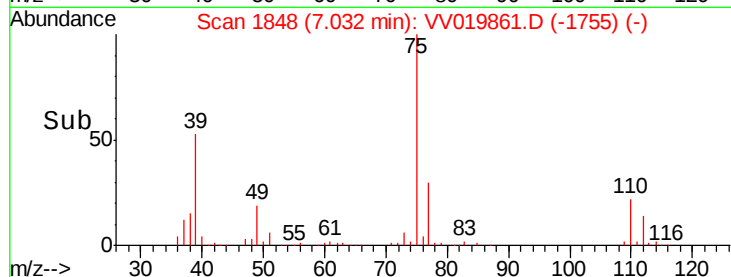
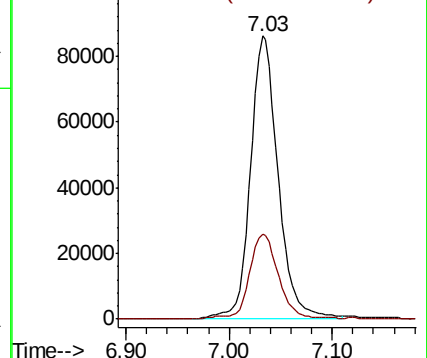
75 100

77 29.9 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: 51.393 ug/L

RT: 7.23 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

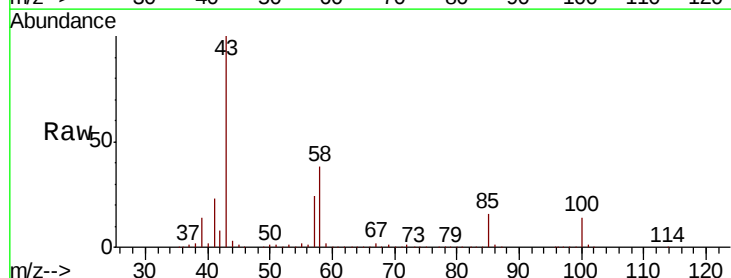
Tgt Ion: 43 Resp: 693651

Ion Ratio Lower Upper

43 100

58 37.1 30.0 45.0

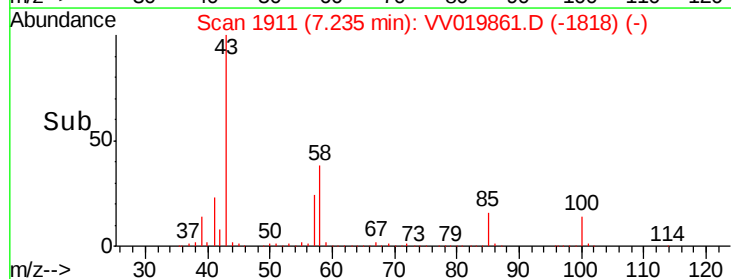
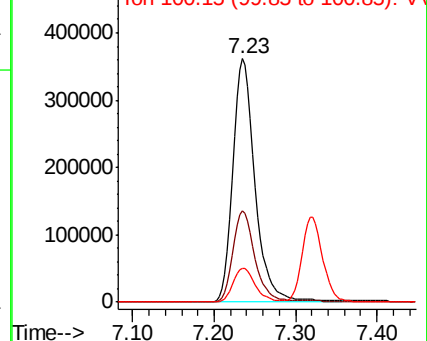
100 13.9 11.4 17.0

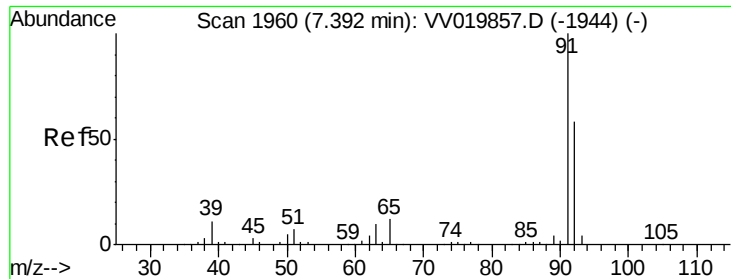


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.833 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. -0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

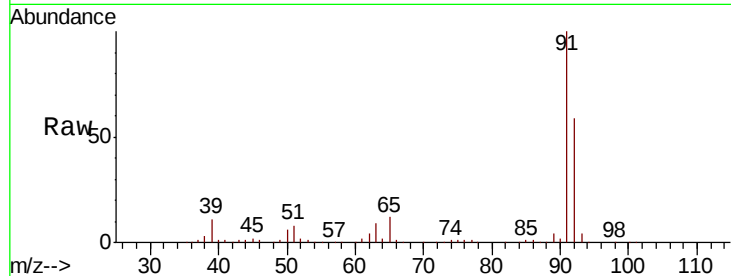
VSTD005301

Tot Ion: 91 Resp: 467776

Ion Ratio Lower Upper

91 100

92 58.9 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV019857.D (-1944) (-)

Ion 92.15 (91.85 to 92.85): VV019861.D (-1867) (-)

7.39

250000

200000

150000

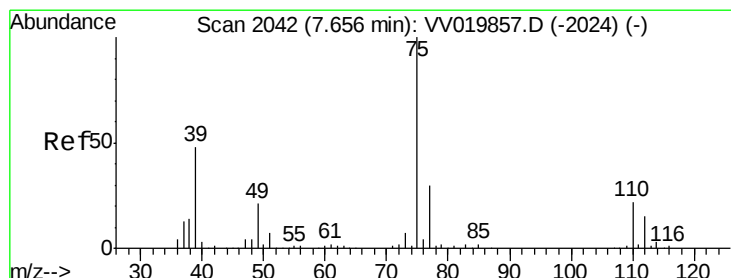
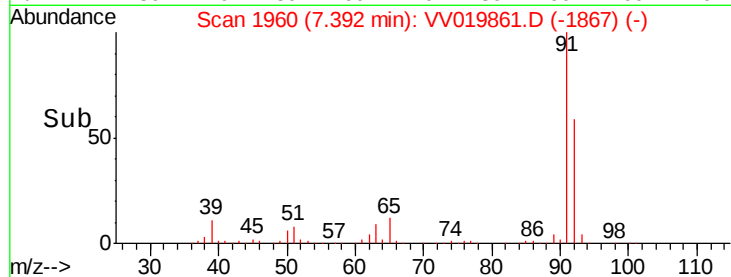
100000

50000

0

7.30 7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.911 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. -0.00 min

Lab File: VV019861.D

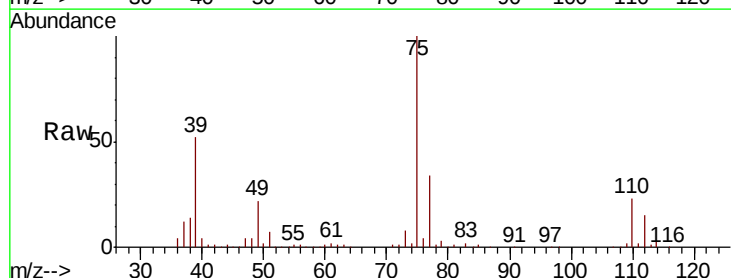
Acq: 29 Dec 2020 13:40

Tgt Ion: 75 Resp: 131952

Ion Ratio Lower Upper

75 100

77 33.7 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VV019857.D (-2024) (-)

Ion 77.05 (76.75 to 77.75): VV019861.D (-1949) (-)

7.66

80000

60000

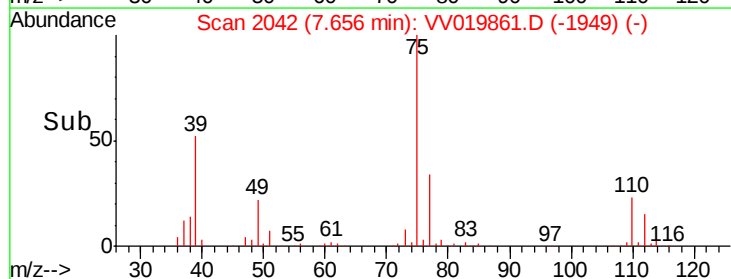
40000

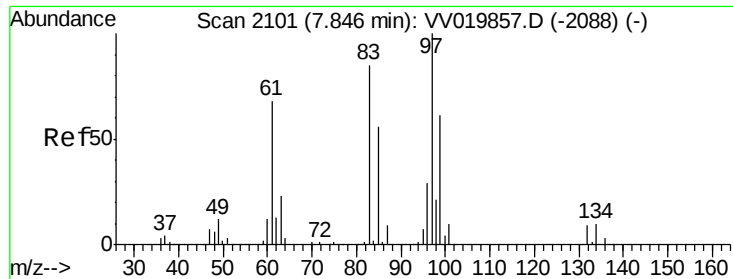
20000

0

7.60 7.70 7.80

Time-->

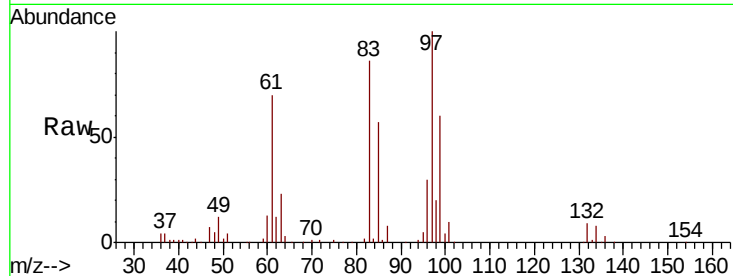




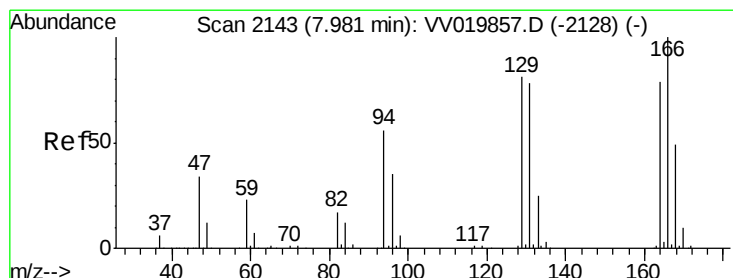
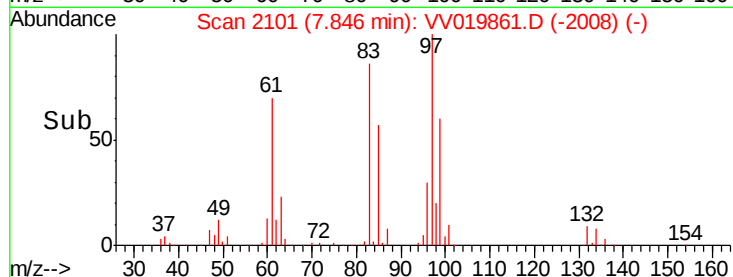
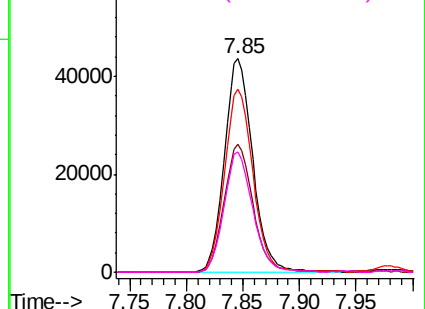
#45
 1,1,2-Trichloroethane
 Concen: 4.928 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. -0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005301

Tot Ion:	97	Resp:	76169
Ion	Ratio	Lower	Upper
97	100		
99	59.8	42.4	78.8
83	85.8	59.4	110.4
85	56.5	39.5	73.3

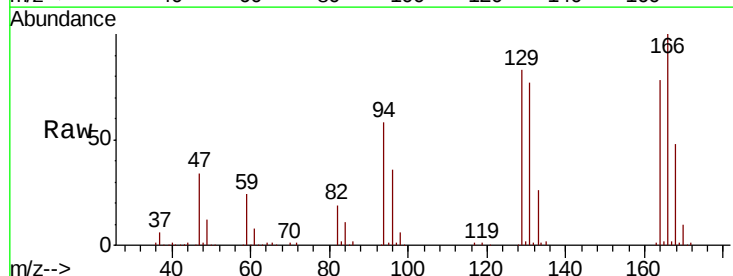


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

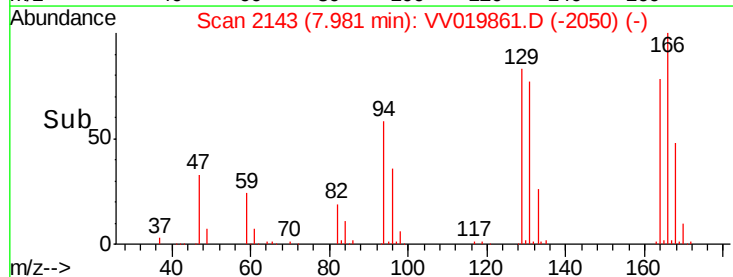
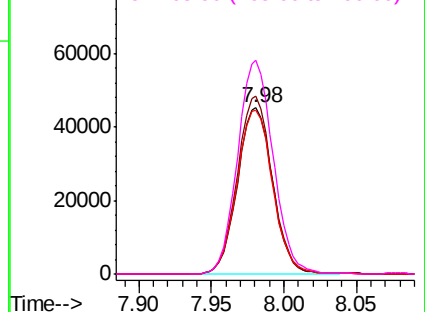


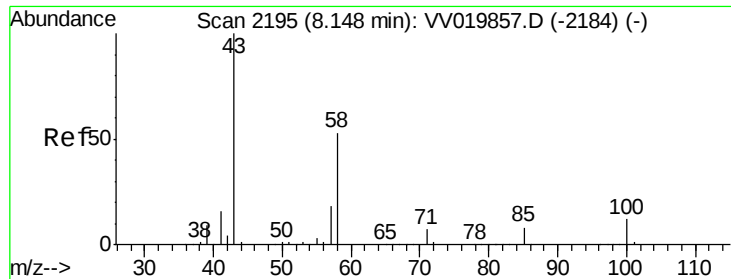
#47
 Tetrachloroethene
 Concen: 4.434 ug/L
 RT: 7.98 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

Tgt Ion:	164	Resp:	76694
Ion	Ratio	Lower	Upper
164	100		
129	107.2	72.1	133.9
131	98.8	68.9	127.9
166	128.6	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

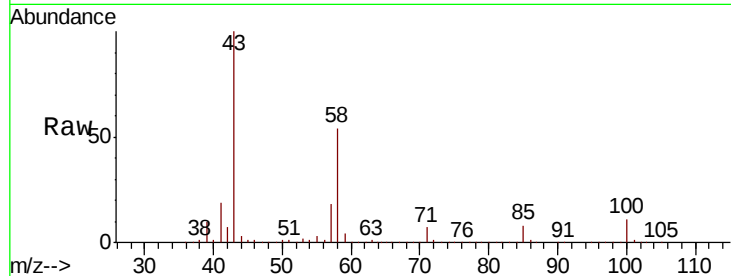




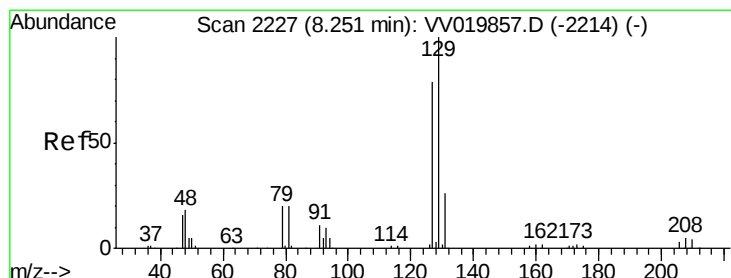
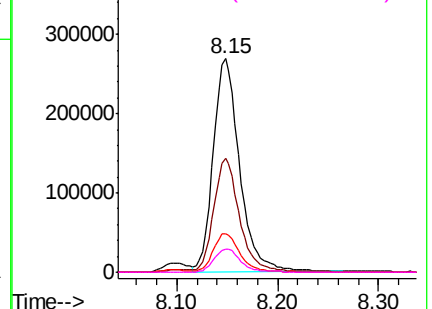
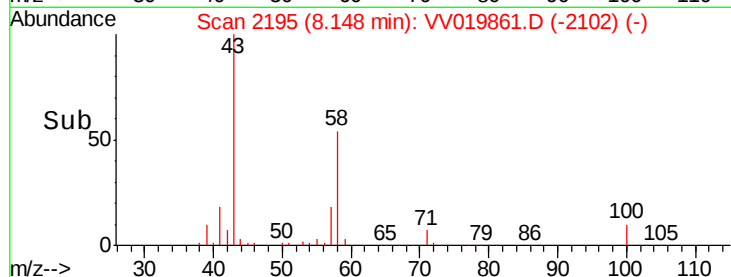
#48
2-Hexanone
Concen: 51.741 ug/L
RT: 8.15 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VV019861.D
Acq: 29 Dec 2020 13:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

Tot Ion: 43 Resp: 484048
Ion Ratio Lower Upper
43 100
58 52.7 42.4 63.6
57 17.8 14.8 22.2
100 11.2 9.1 13.7

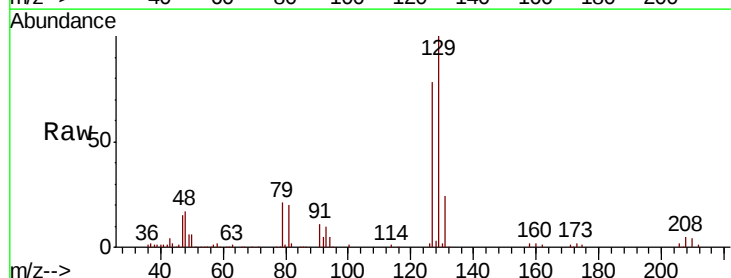


Abundance Ion 43.05 (42.75 to 43.75): VV019861.D (-2102) (-)
Ion 58.05 (57.75 to 58.75): VV019861.D (-2102) (-)
Ion 57.20 (56.90 to 57.90): VV019861.D (-2102) (-)
Ion 100.15 (99.85 to 100.85): VV019861.D (-2102) (-)

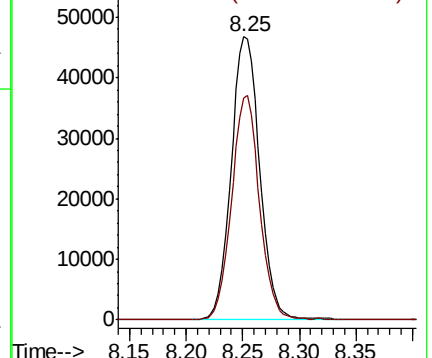
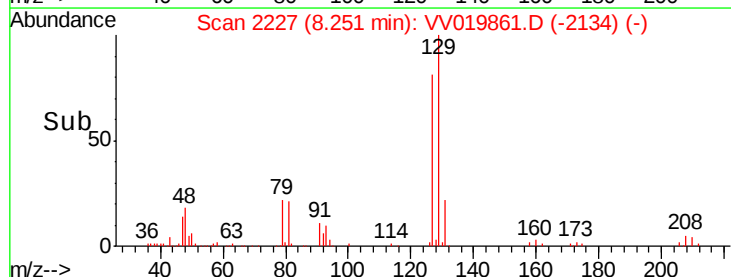


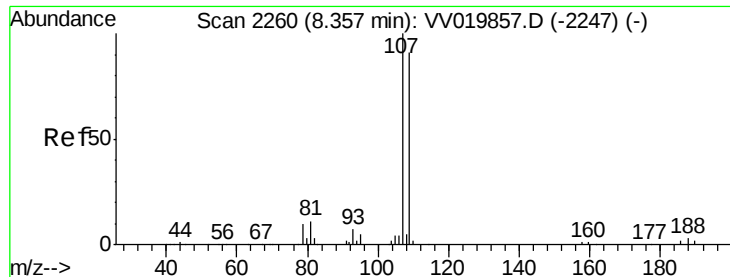
#49
Dibromochloromethane
Concen: 4.917 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. -0.00 min
Lab File: VV019861.D
Acq: 29 Dec 2020 13:40

Tgt Ion: 129 Resp: 82216
Ion Ratio Lower Upper
129 100
127 78.3 55.0 102.2



Abundance Ion 128.95 (128.65 to 129.65): VV019861.D (-2134) (-)
Ion 126.90 (126.60 to 127.60): VV019861.D (-2134) (-)

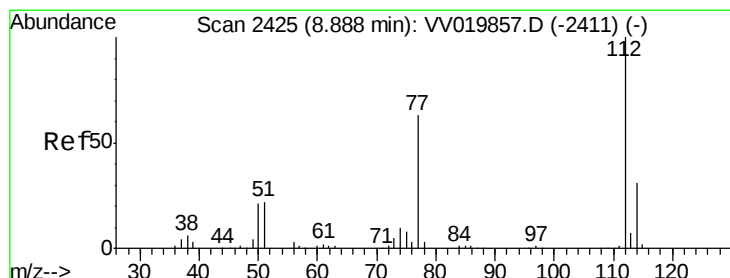
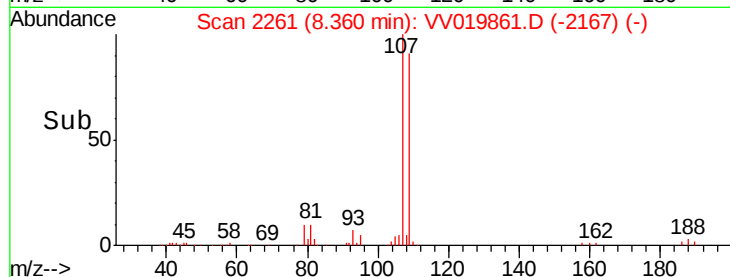
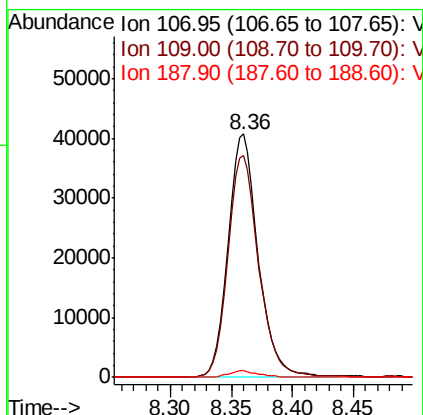
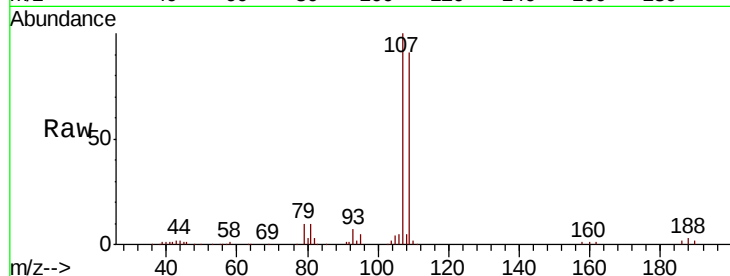




#50
 1,2-Dibromoethane
 Concen: 5.002 ug/L
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

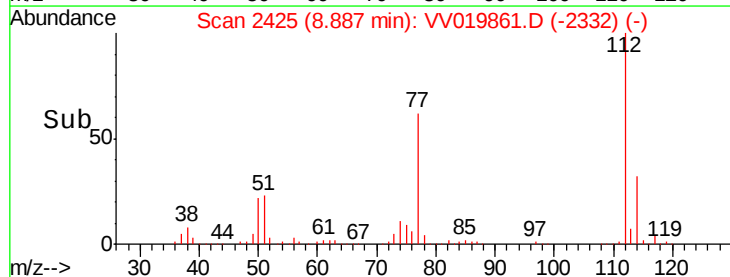
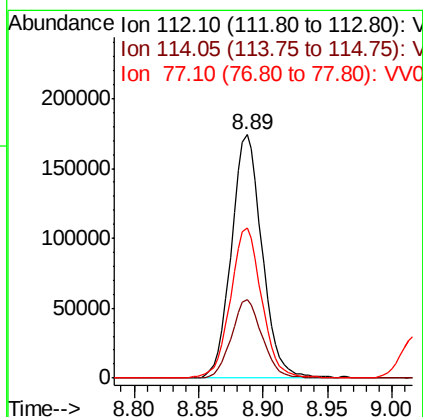
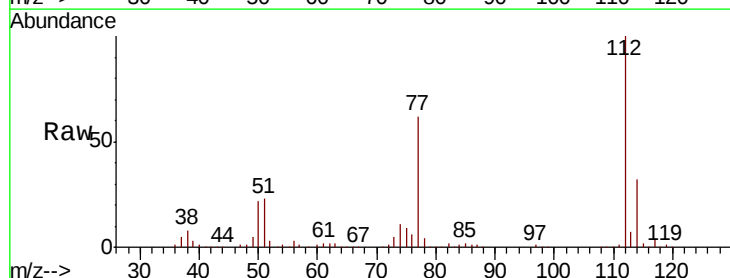
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005301

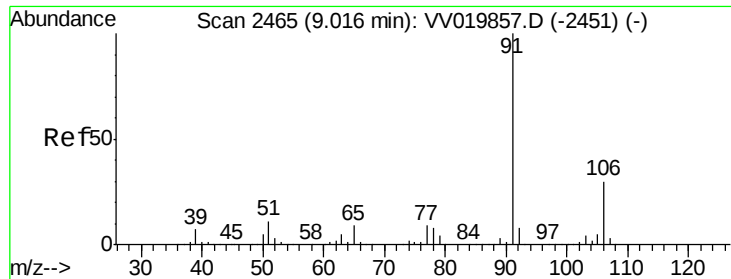
Tot Ion:107 Resp: 70216
 Ion Ratio Lower Upper
 107 100
 109 91.3 63.8 118.4
 188 2.7 2.5 3.7



#51
 Chlorobenzene
 Concen: 4.701 ug/L
 RT: 8.89 min Scan# 2425
 Delta R.T. -0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

Tgt Ion:112 Resp: 287785
 Ion Ratio Lower Upper
 112 100
 114 32.2 21.8 40.6
 77 61.7 51.0 76.4





#52

Ethylbenzene

Concen: 4.739 ug/L

RT: 9.02 min Scan# 2466

Delta R.T. 0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

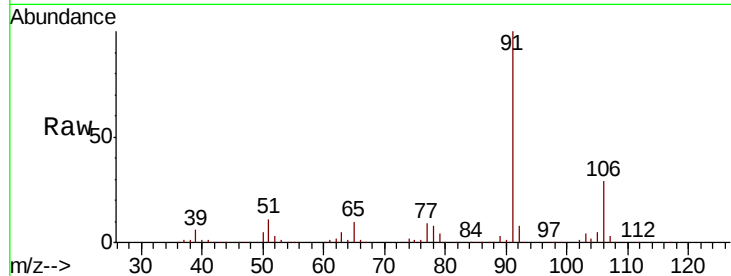
VSTD005301

Tot Ion: 91 Resp: 508277

Ion Ratio Lower Upper

91 100

106 29.4 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VV019861.D (-2372) (-)

Ion 106.15 (105.85 to 106.85): VV019861.D (-2372) (-)

9.02

300000

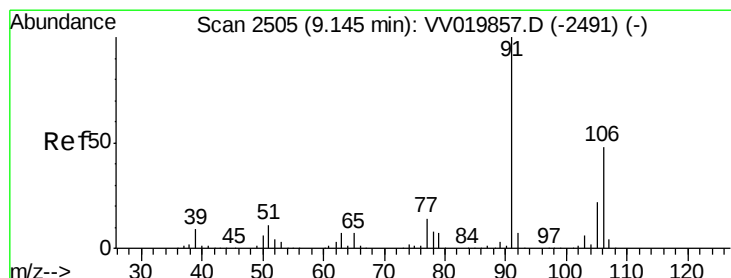
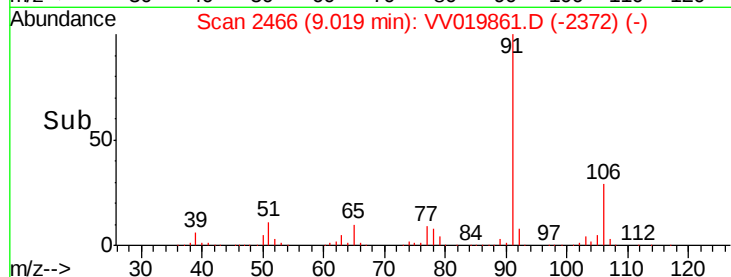
200000

100000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 4.770 ug/L

RT: 9.14 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VV019861.D

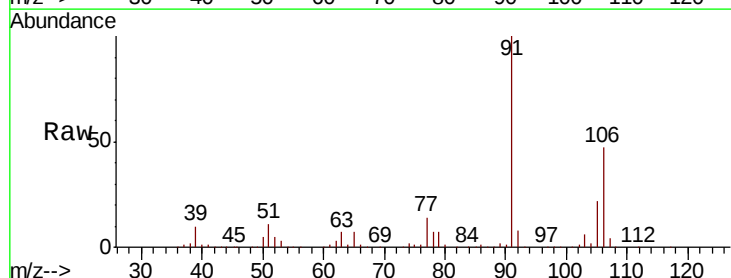
Acq: 29 Dec 2020 13:40

Tgt Ion: 106 Resp: 186990

Ion Ratio Lower Upper

106 100

91 213.9 147.1 273.1



Abundance Ion 106.15 (105.85 to 106.85): VV019861.D (-2412) (-)

Ion 91.15 (90.85 to 91.85): VV019861.D (-2412) (-)

9.14

250000

200000

150000

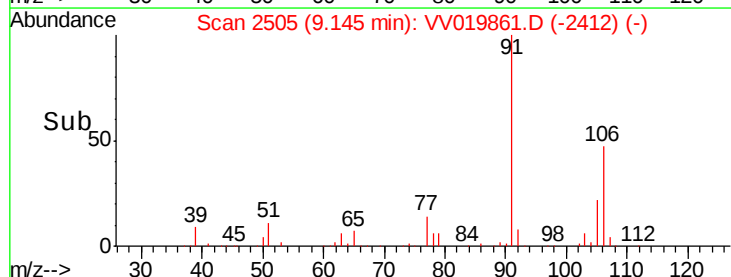
100000

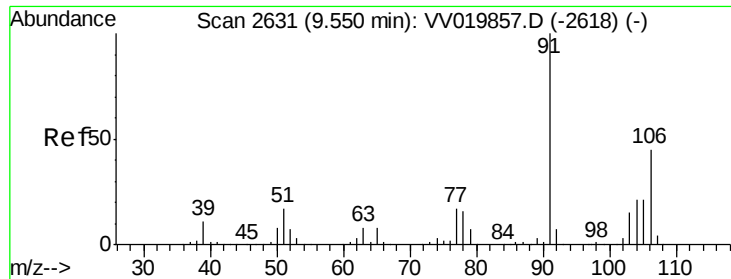
50000

0

9.10 9.20 9.30

Time-->

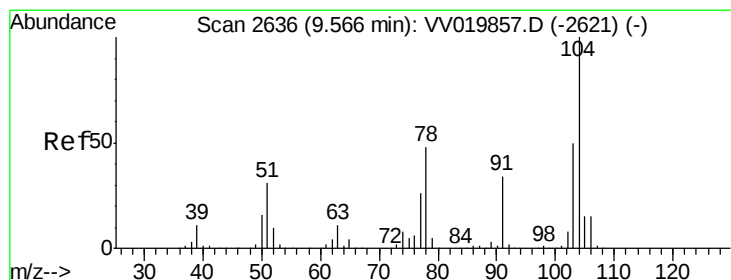
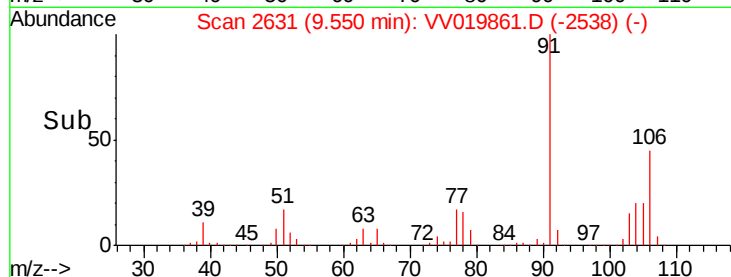
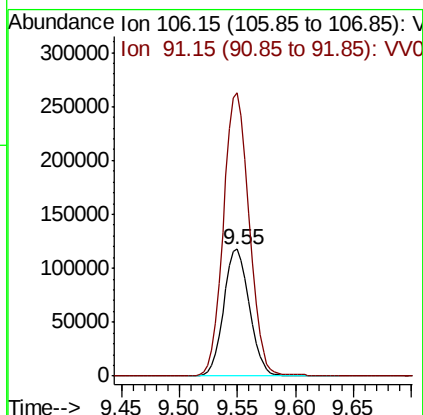
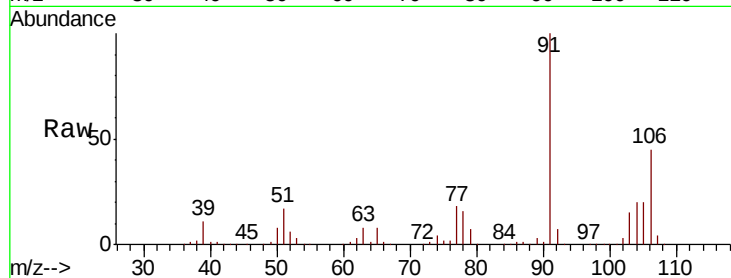




#54
o-xylene
Concen: 4.846 ug/L
RT: 9.55 min Scan# 2631
Delta R.T. -0.00 min
Lab File: VV019861.D
Acq: 29 Dec 2020 13:40

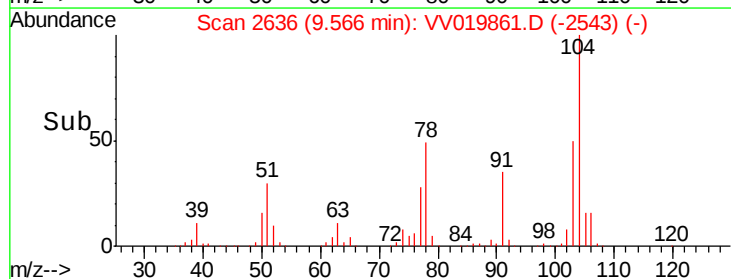
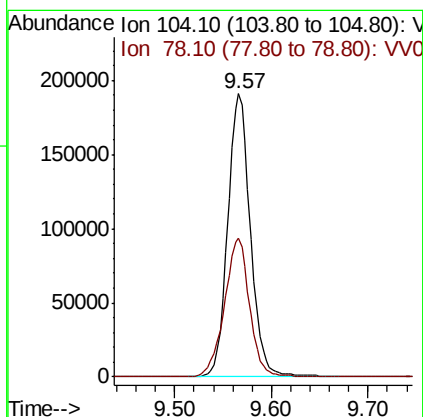
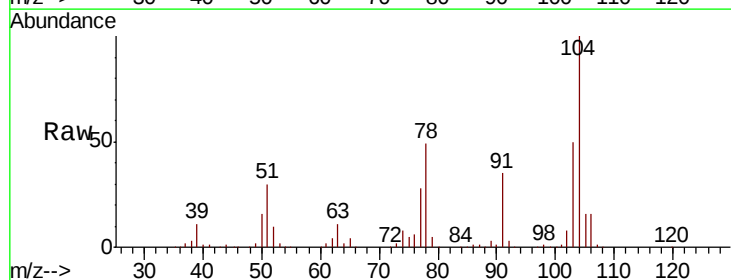
Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

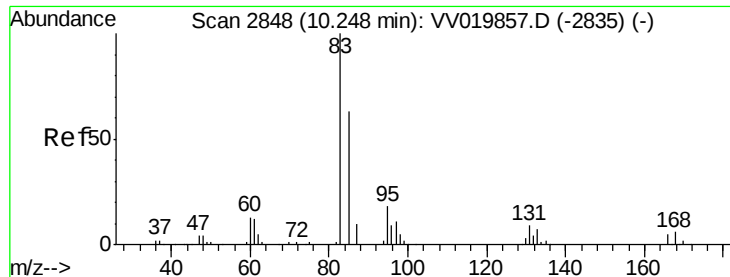
Tot Ion:106 Resp: 182118
Ion Ratio Lower Upper
106 100
91 223.5 155.8 289.3



#55
Styrene
Concen: 4.885 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV019861.D
Acq: 29 Dec 2020 13:40

Tgt Ion:104 Resp: 310244
Ion Ratio Lower Upper
104 100
78 49.0 33.7 62.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.082 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005301

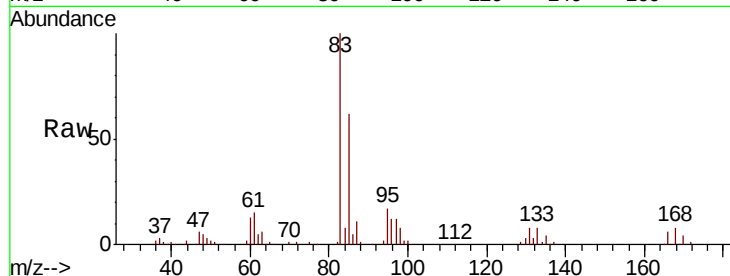
Tot Ion: 83 Resp: 83147

Ion Ratio Lower Upper

83 100

85 62.1 44.3 82.3

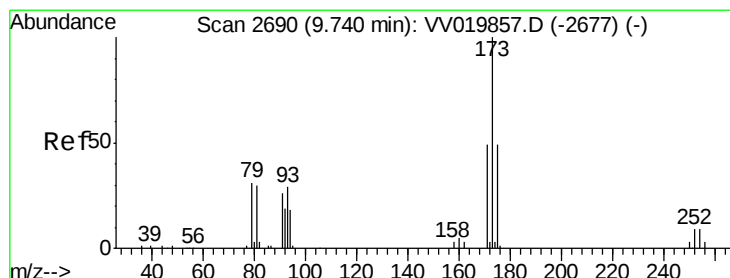
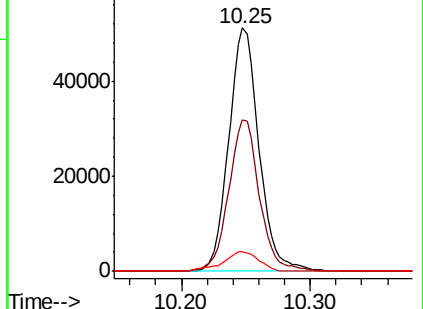
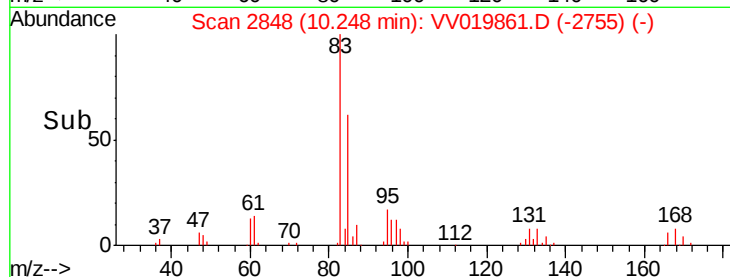
131 8.3 7.4 11.2



Abundance Ion 82.95 (82.65 to 83.65): VV019861.D (-2755) (-)

Ion 85.00 (84.70 to 85.70): VV019861.D (-2755) (-)

Ion 130.95 (130.65 to 131.65): VV019861.D (-2755) (-)



#59

Bromoform

Concen: 4.899 ug/L

RT: 9.74 min Scan# 2690

Delta R.T. -0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

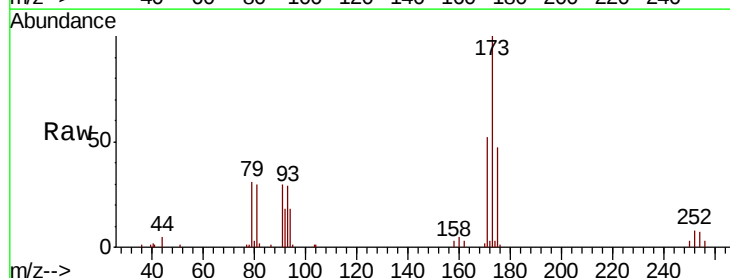
Tgt Ion: 173 Resp: 37467

Ion Ratio Lower Upper

173 100

175 48.0 38.3 57.5

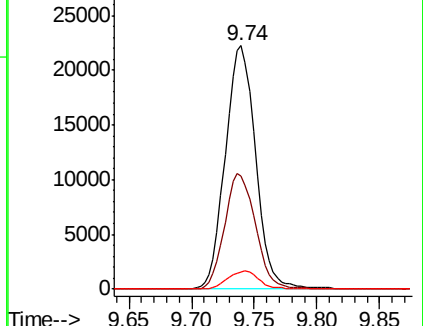
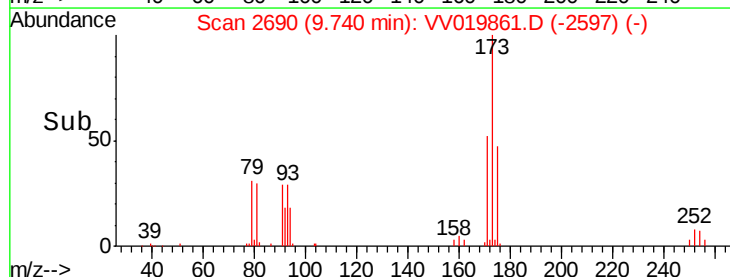
254 7.5 6.4 9.6

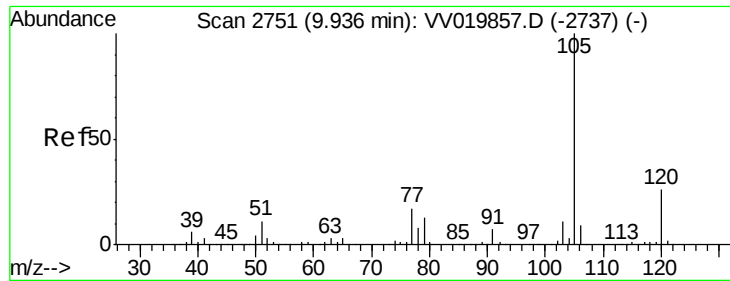


Abundance Ion 172.90 (172.60 to 173.60): VV019861.D (-2597) (-)

Ion 174.90 (174.60 to 175.60): VV019861.D (-2597) (-)

Ion 253.75 (253.45 to 254.45): VV019861.D (-2597) (-)





#60

Isopropylbenzene

Concen: 4.716 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005301

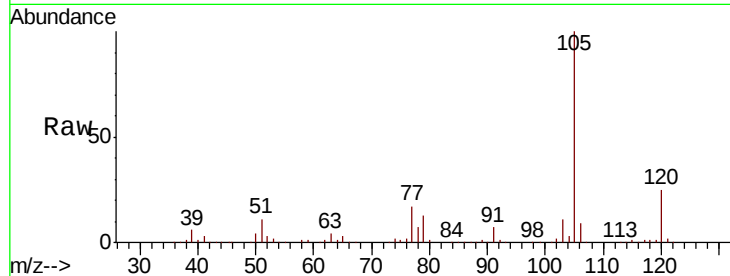
Tot Ion:105 Resp: 484000

Ion Ratio Lower Upper

105 100

120 25.4 20.4 30.6

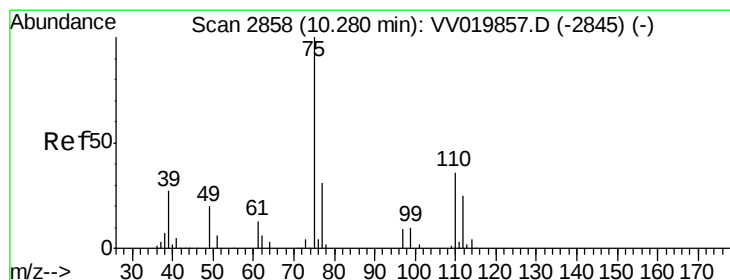
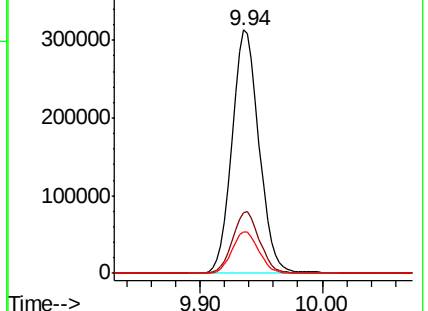
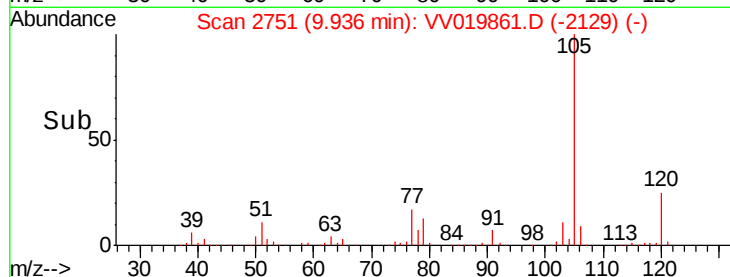
77 17.1 13.7 20.5



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: 4.933 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

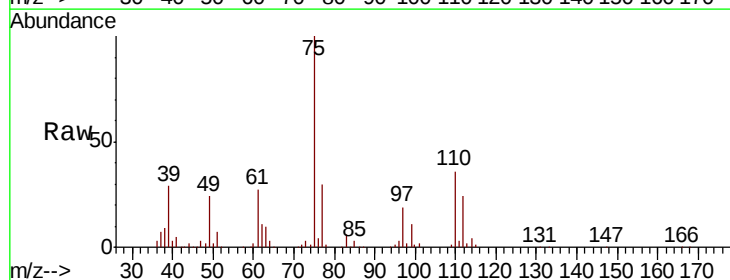
Tgt Ion: 75 Resp: 67237

Ion Ratio Lower Upper

75 100

77 30.6 25.6 38.4

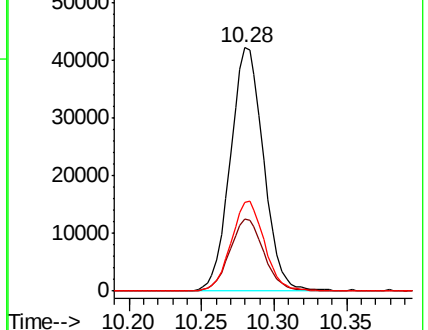
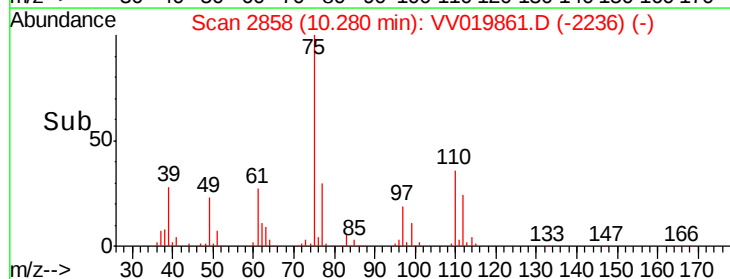
110 36.8 30.5 45.7

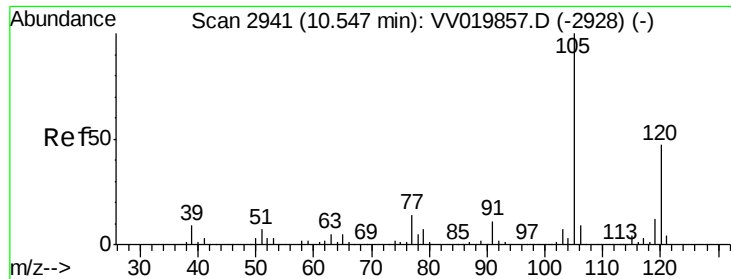


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

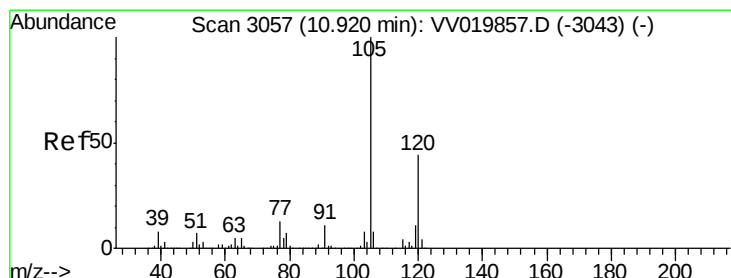
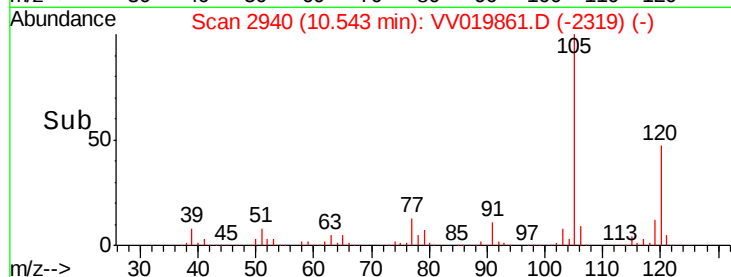
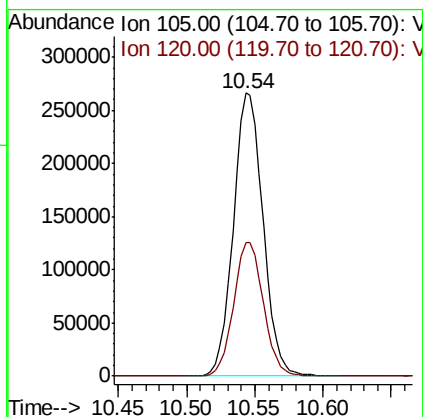
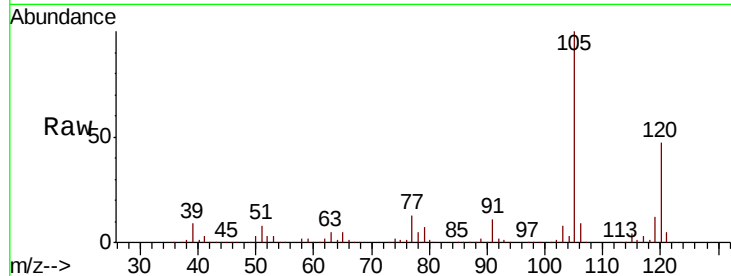




#62
 1,3,5-Trimethylbenzene
 Concen: 4.736 ug/L
 RT: 10.54 min Scan# 2940
 Delta R.T. -0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

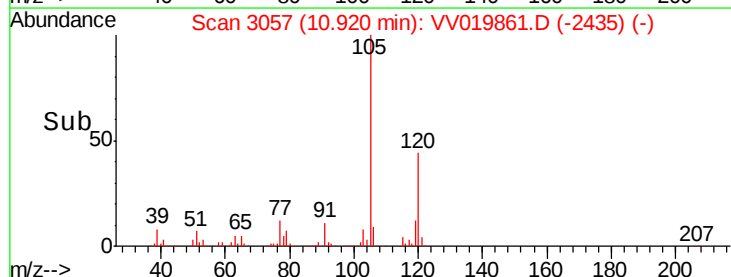
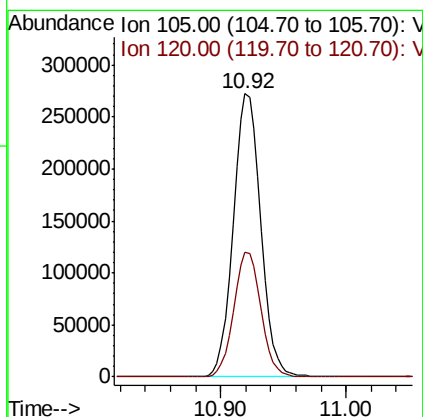
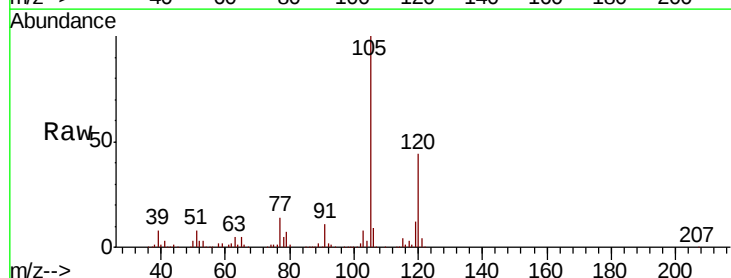
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005301

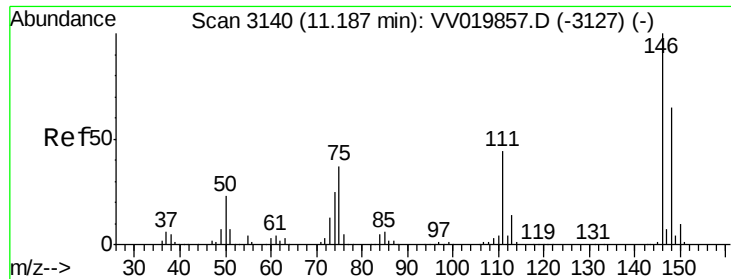
Tot Ion:105 Resp: 401785
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 4.772 ug/L
 RT: 10.92 min Scan# 3057
 Delta R.T. -0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

Tgt Ion:105 Resp: 412424
 Ion Ratio Lower Upper
 105 100
 120 43.8 34.9 52.3

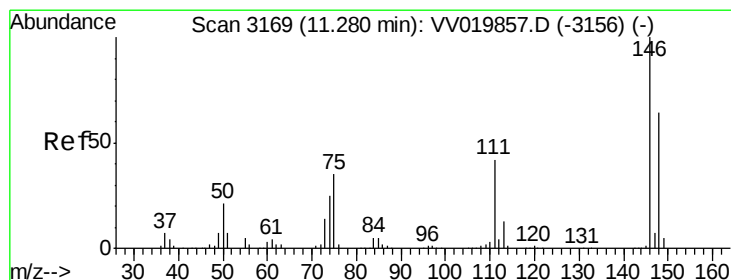
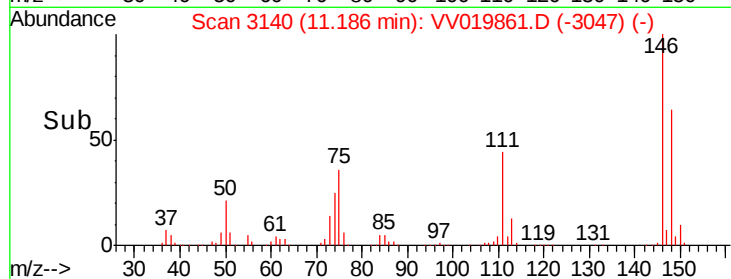
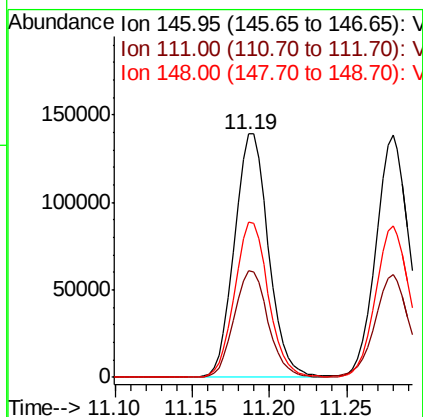
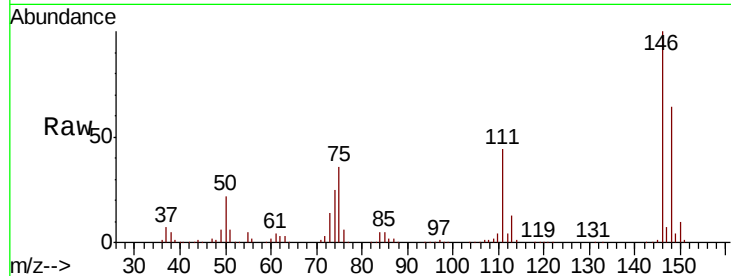




#64
 1,3-Dichlorobenzene
 Concen: 4.729 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. -0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

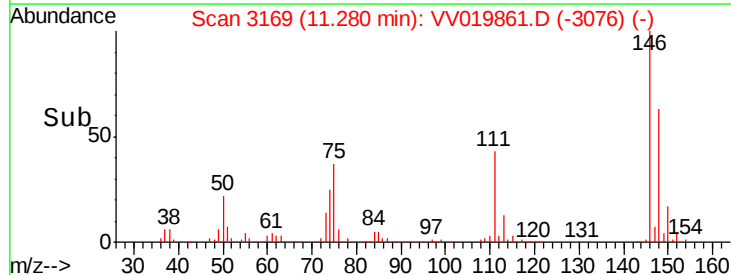
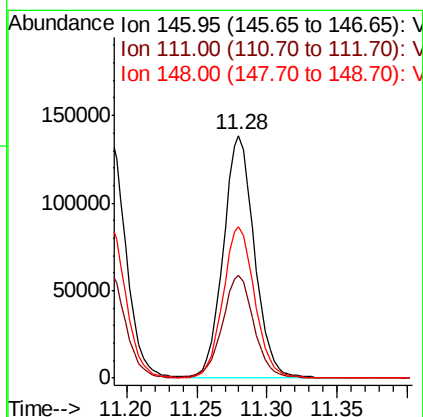
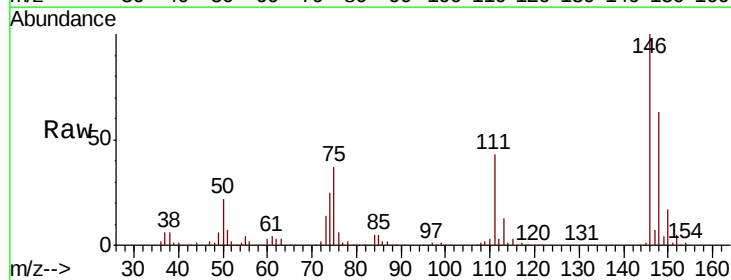
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005301

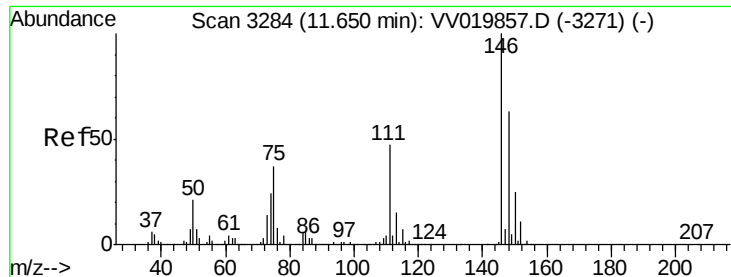
Tot Ion:146 Resp: 213120
 Ion Ratio Lower Upper
 146 100
 111 43.7 30.4 56.5
 148 63.6 45.8 85.2



#65
 1,4-Dichlorobenzene
 Concen: 4.688 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

Tgt Ion:146 Resp: 211938
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.7 55.1
 148 62.5 45.1 83.7

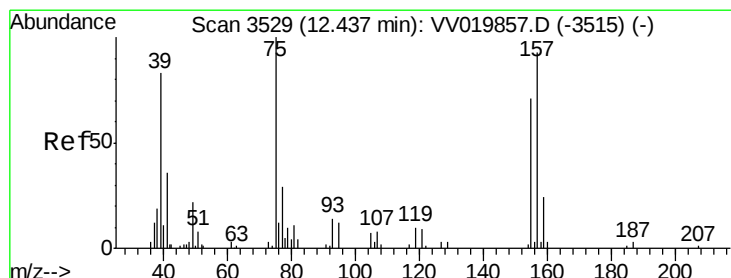
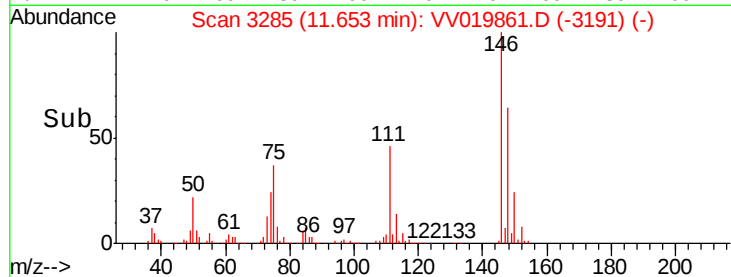
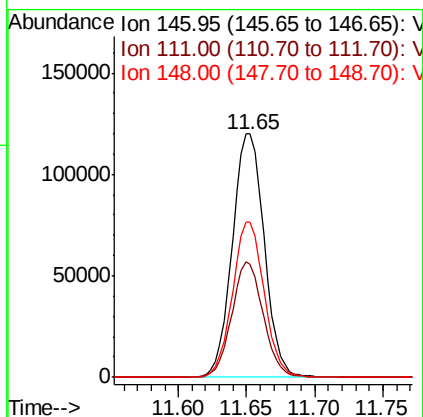
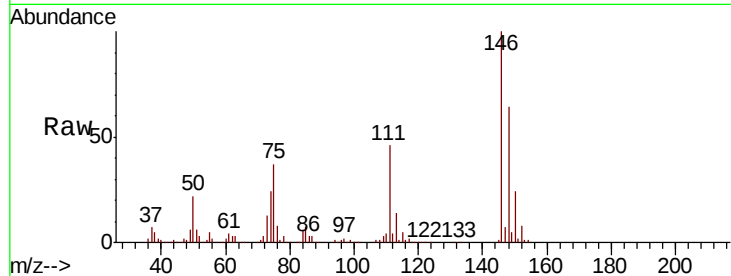




#67
 1,2-Dichlorobenzene
 Concen: 4.714 ug/L
 RT: 11.65 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

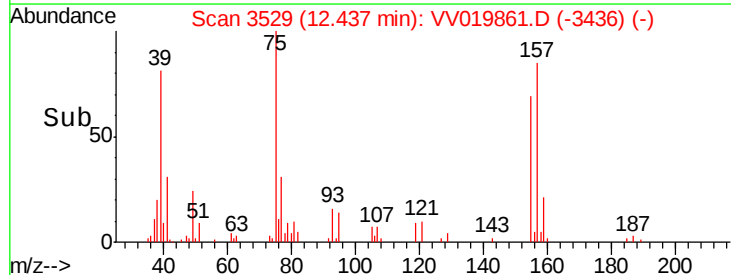
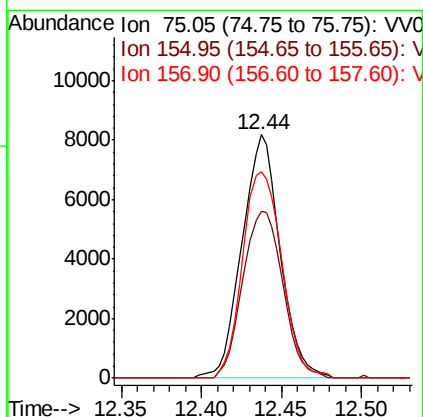
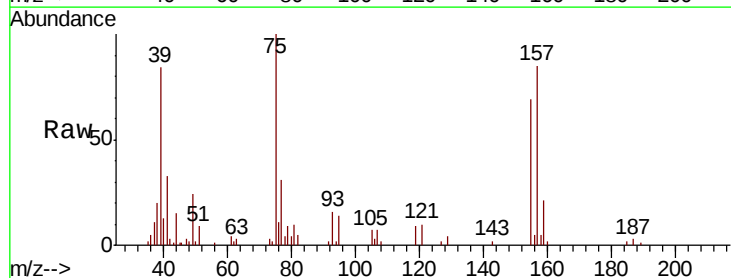
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005301

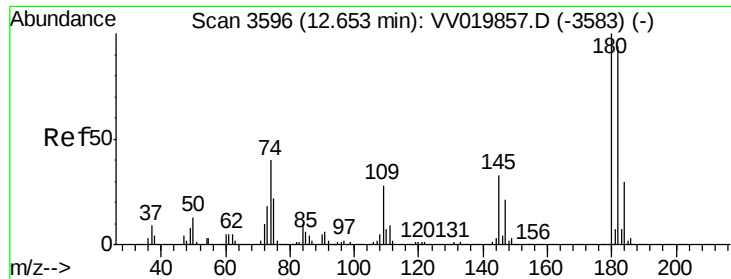
Tot Ion:146 Resp: 195349
 Ion Ratio Lower Upper
 146 100
 111 46.4 37.7 56.5
 148 63.8 50.6 75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.731 ug/L
 RT: 12.44 min Scan# 3529
 Delta R.T. -0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

Tgt Ion: 75 Resp: 13297
 Ion Ratio Lower Upper
 75 100
 155 68.8 56.5 84.7
 157 85.0 74.2 111.2

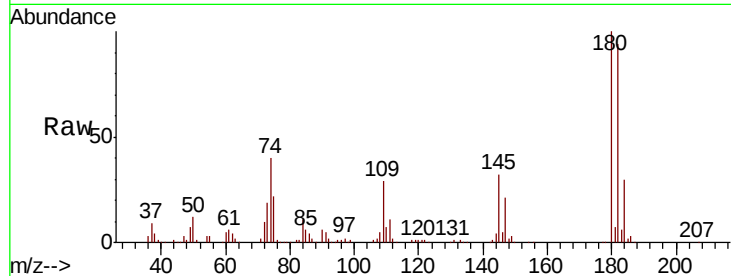




#69
 1,3,5-Trichlorobenzene
 Concen: 4.625 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005301

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
184	30.3	23.5	35.3
145	32.5	26.2	39.2



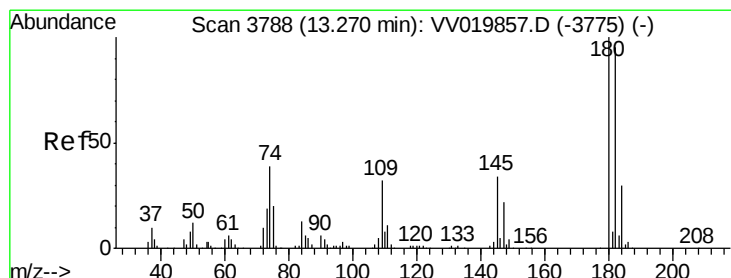
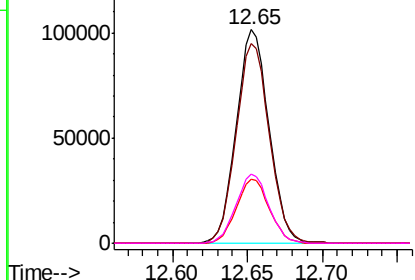
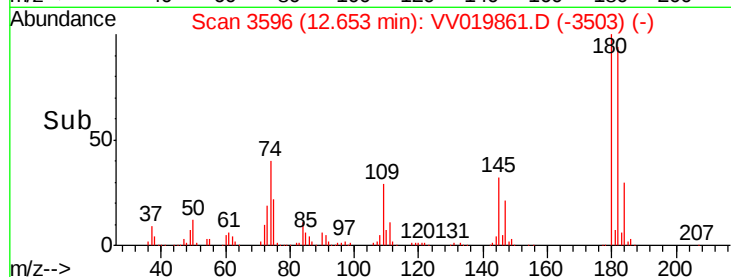
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

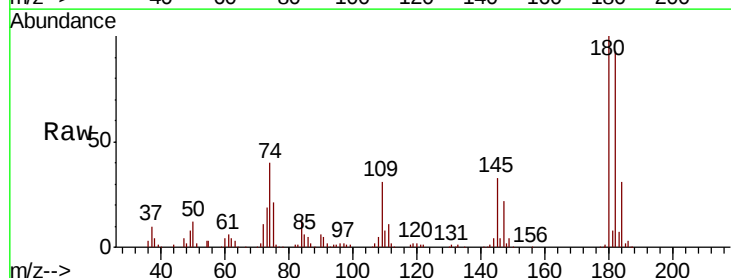
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 4.796 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. -0.00 min
 Lab File: VV019861.D
 Acq: 29 Dec 2020 13:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.9	113.9
145	33.2	26.6	39.8

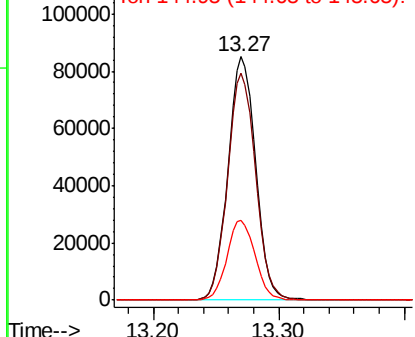
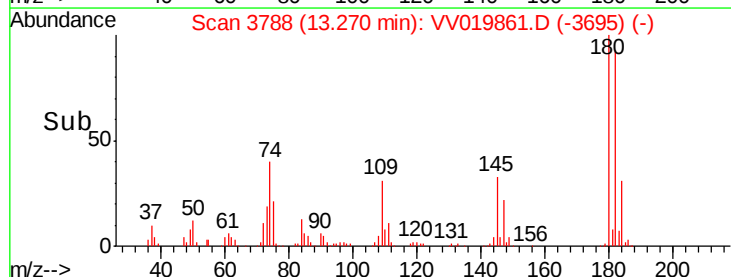


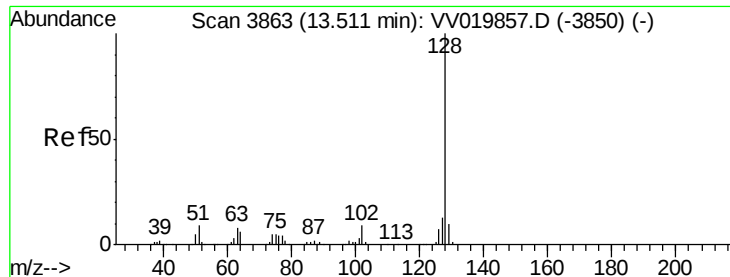
Abundance

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: 5.221 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. -0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005301

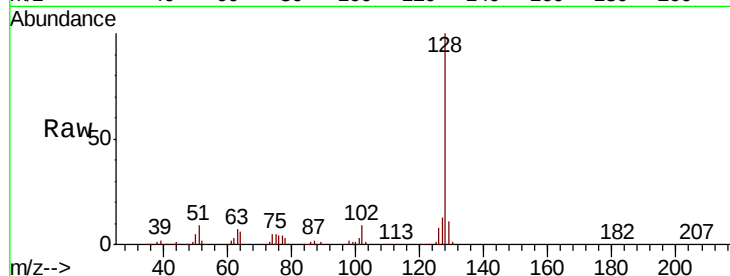
Tot Ion:128 Resp: 214523

Ion Ratio Lower Upper

128 100

129 10.5 8.5 12.7

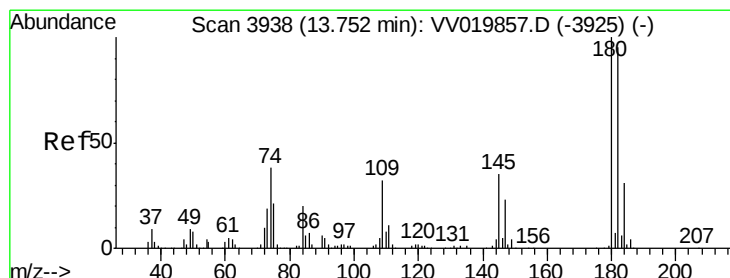
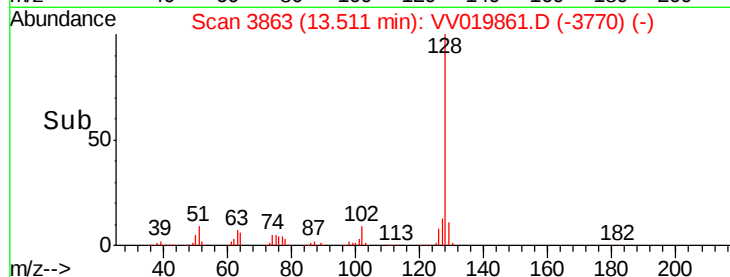
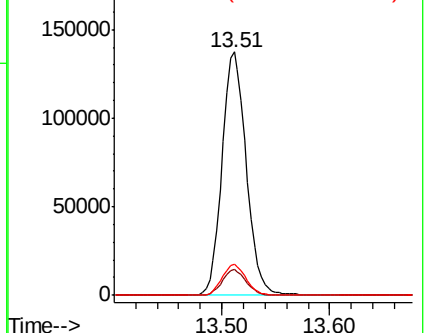
127 12.7 10.2 15.4



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: 4.970 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. -0.00 min

Lab File: VV019861.D

Acq: 29 Dec 2020 13:40

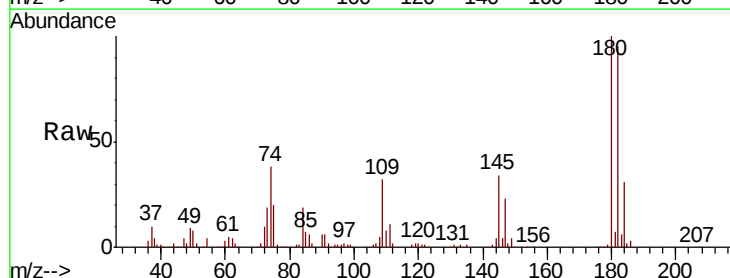
Tgt Ion:180 Resp: 114878

Ion Ratio Lower Upper

180 100

182 94.6 74.6 112.0

145 34.8 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

