

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121220\
 Data File : VV019545.D
 Acq On : 12 Dec 2020 10:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

Quant Time: Dec 13 04:26:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 04:38:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	684202	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	645323	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	311735	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	213312	43.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.96%
7) Chloroethane-d5	1.57	69	181923	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.02%
11) 1,1-Dichloroethene-d2	2.11	63	429150	47.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.26%
21) 2-Butanone-d5	3.89	46	284248	106.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.59%
24) Chloroform-d	4.35	84	428128	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	5.03	65	283977	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
32) Benzene-d6	5.05	84	811800	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.34%
36) 1,2-Dichloropropane-d6	6.07	67	259493	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.26%
41) Toluene-d8	7.32	98	721695	46.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.14%
43) trans-1,3-Dichloropropene-	7.62	79	140880	45.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.88%
47) 2-Hexanone-d5	8.09	63	213094	100.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.71%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	358855	49.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.42%
64) 1,2-Dichlorobenzene-d4	11.63	152	276507	47.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.90%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	280507	50.802	ug/L	100
3) Chloromethane	1.24	50	284067	48.400	ug/L	99
5) Vinyl chloride	1.31	62	288072	48.933	ug/L	98
6) Bromomethane	1.52	94	170819	48.317	ug/L	99
8) Chloroethane	1.59	64	175720	49.485	ug/L	100
9) Trichlorofluoromethane	1.76	101	369994	51.441	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	210104	52.895	ug/L	99
12) 1,1-Dichloroethene	2.12	96	202181	49.602	ug/L #	72
13) Acetone	2.18	43	225505	99.262	ug/L	100
14) Carbon disulfide	2.30	76	635183	47.426	ug/L	99
15) Methyl Acetate	2.43	43	253935	51.304	ug/L	100
16) Methylene chloride	2.51	84	231317	48.402	ug/L	99
17) trans-1,2-Dichloroethene	2.76	96	220271	49.303	ug/L	100
18) Methyl tert-butyl Ether	2.77	73	766058	49.071	ug/L	100
19) 1,1-Dichloroethane	3.19	63	430146	49.662	ug/L	99
20) cis-1,2-Dichloroethene	3.91	96	239559	48.777	ug/L #	99
22) 2-Butanone	3.97	43	356118	106.864	ug/L	99

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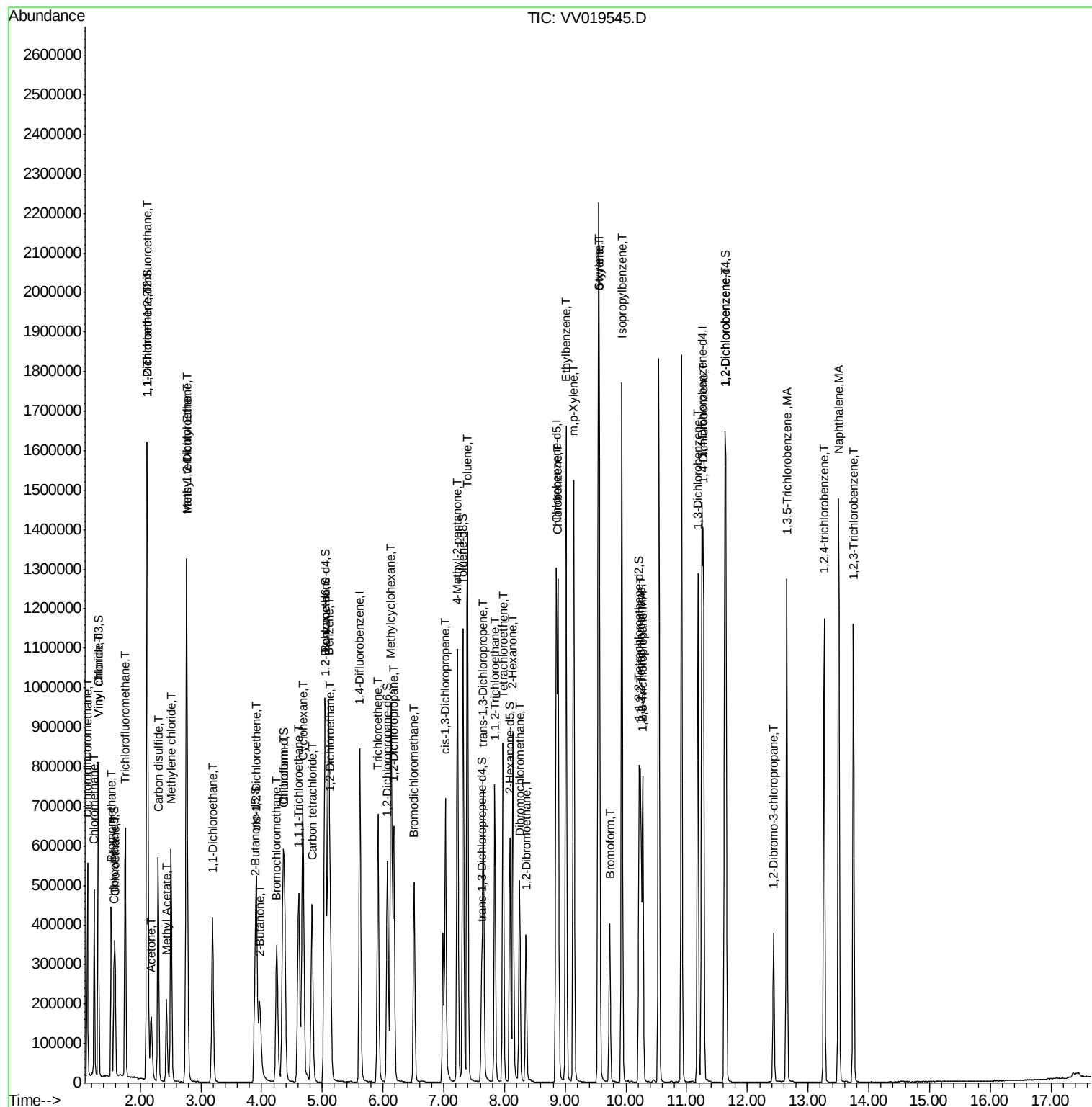
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	115513	47.802	ug/L	99
25) Chloroform	4.38	83	430296	49.742	ug/L	100
27) 1,2-Dichloroethane	5.13	62	355414	49.594	ug/L	98
29) Cyclohexane	4.68	56	397956	50.316	ug/L	100
30) 1,1,1-Trichloroethane	4.61	97	388254	47.983	ug/L	100
31) Carbon tetrachloride	4.83	117	331685	48.558	ug/L	99
33) Benzene	5.10	78	914026	48.464	ug/L	100
34) Trichloroethene	5.92	95	239240	48.020	ug/L	98
35) Methylcyclohexane	6.14	83	394580	52.133	ug/L	99
37) 1,2-Dichloropropane	6.18	63	239774	48.682	ug/L	100
38) Bromodichloromethane	6.51	83	332710	48.308	ug/L	98
39) cis-1,3-Dichloropropene	7.03	75	399789	48.873	ug/L	98
40) 4-Methyl-2-pentanone	7.23	43	711559	100.138	ug/L	99
42) Toluene	7.39	91	969079	48.752	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	397870	48.035	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	221957	47.455	ug/L	99
46) Tetrachloroethene	7.98	164	171882	49.859	ug/L	98
48) 2-Hexanone	8.14	43	536158	99.441	ug/L	100
49) Dibromochloromethane	8.25	129	247241	48.269	ug/L	99
50) 1,2-Dibromoethane	8.35	107	238470	48.417	ug/L	97
51) Chlorobenzene	8.88	112	614369	48.392	ug/L	99
52) Ethylbenzene	9.01	91	1118186	49.373	ug/L	100
53) m,p-Xylene	9.14	106	412811	48.790	ug/L	98
54) o-xylene	9.55	106	407133	49.092	ug/L	98
55) Styrene	9.56	104	707528	48.950	ug/L	99
56) Isopropylbenzene	9.93	105	1094193	49.525	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	364440	48.453	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	300786	49.098	ug/L	100
61) Bromoform	9.73	173	164555	47.707	ug/L	100
62) 1,3-Dichlorobenzene	11.18	146	471873	49.337	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	470368	48.566	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	463137	49.005	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	94989	48.150	ug/L	93
67) 1,3,5-Trichlorobenzene	12.65	180	342540	50.690	ug/L	100
68) 1,2,4-trichlorobenzene	13.26	180	311647	49.325	ug/L	99
69) Naphthalene	13.50	128	1077716	49.123	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	306938	49.711	ug/L	100

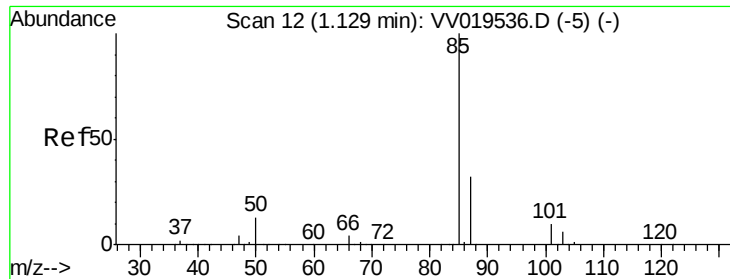
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.802 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

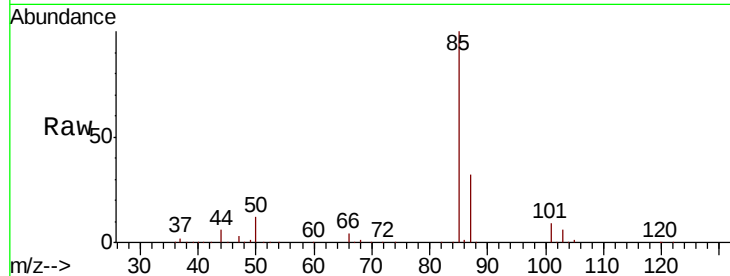
VSTD05084

Tot Ion: 85 Resp: 280507

Ion Ratio Lower Upper

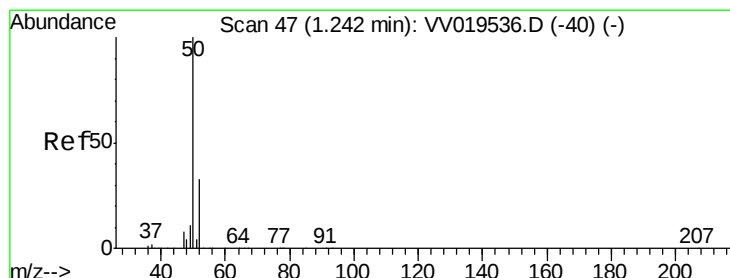
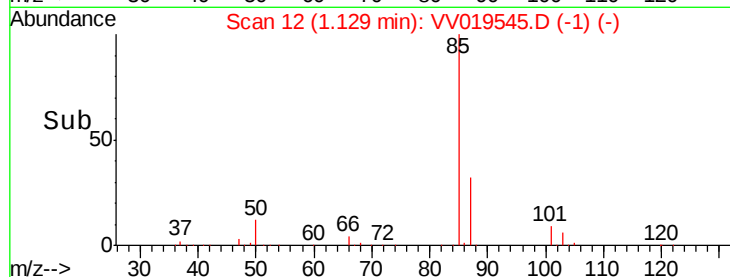
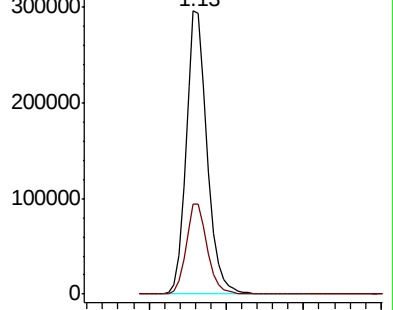
85 100

87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV019545.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019545.D (-1) (-)



#3

Chloromethane

Concen: 48.400 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019545.D

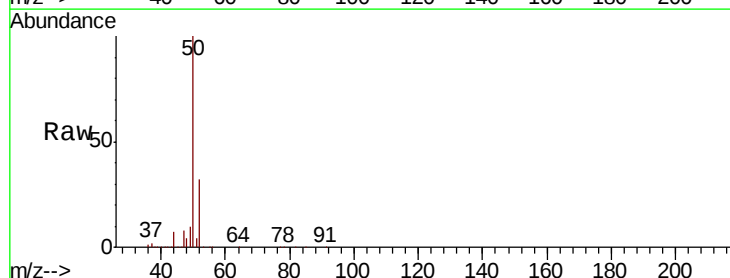
Acq: 12 Dec 2020 10:03

Tgt Ion: 50 Resp: 284067

Ion Ratio Lower Upper

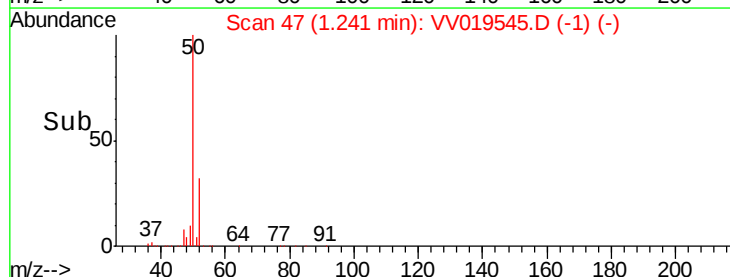
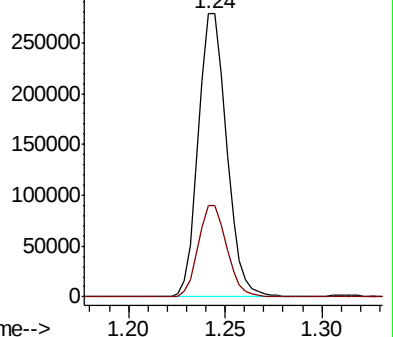
50 100

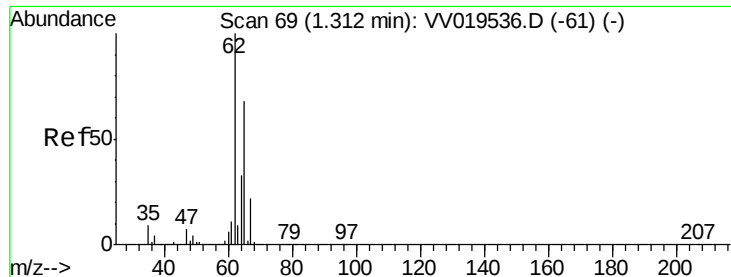
52 32.4 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV019545.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019545.D (-1) (-)





#5

Vinyl chloride

Concen: 48.933 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

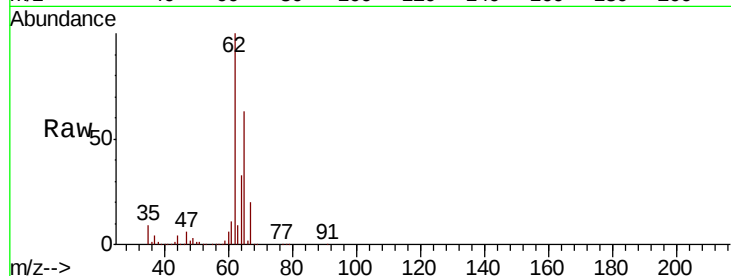
VSTD05084

Tot Ion: 62 Resp: 288072

Ion Ratio Lower Upper

62 100

64 33.0 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV019545.D (-61) (-)

Ion 64.00 (63.70 to 64.70): VV019545.D (-61) (-)

1.31

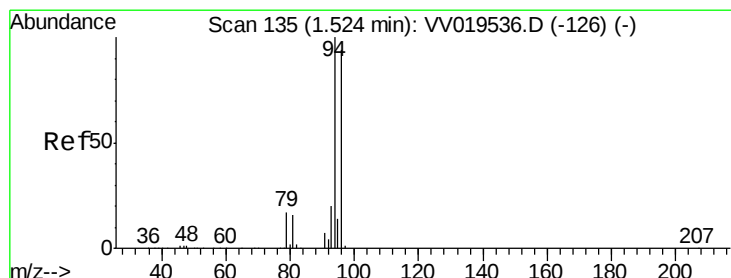
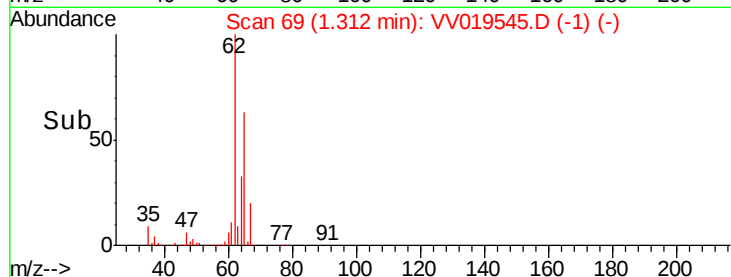
300000

200000

100000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 48.317 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019545.D

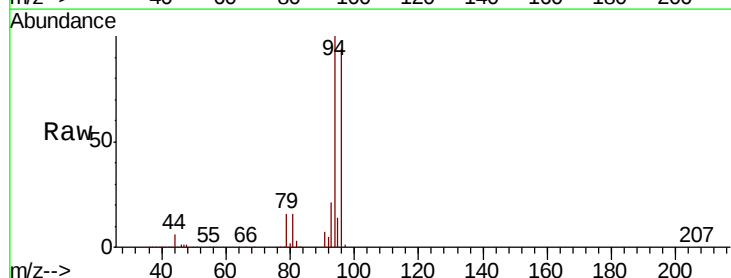
Acq: 12 Dec 2020 10:03

Tgt Ion: 94 Resp: 170819

Ion Ratio Lower Upper

94 100

96 93.7 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV019545.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV019545.D (-126) (-)

1.52

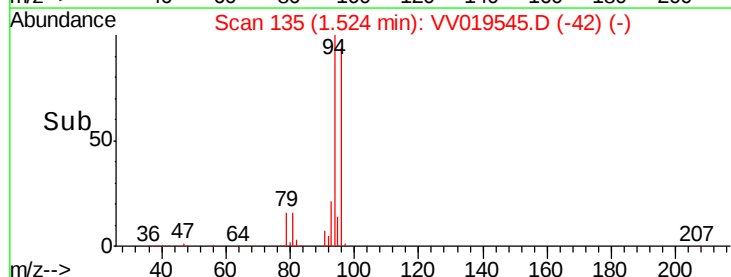
150000

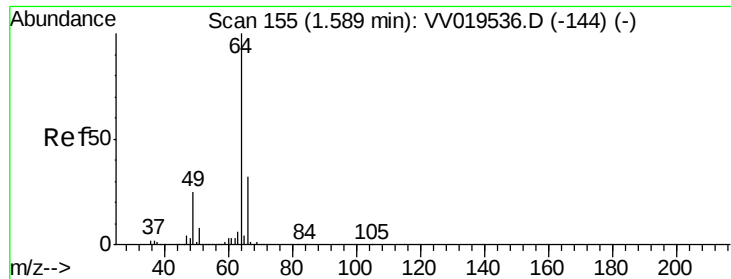
100000

50000

0

Time--> 1.50 1.55 1.60





#8

Chloroethane

Concen: 49.485 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

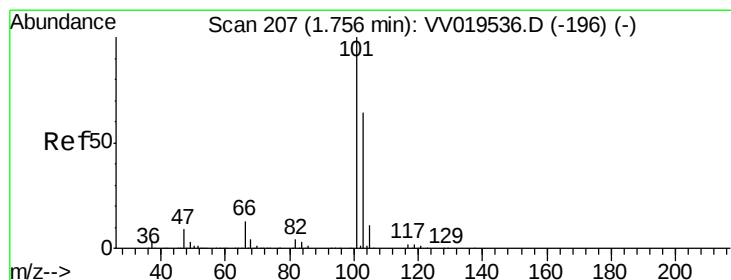
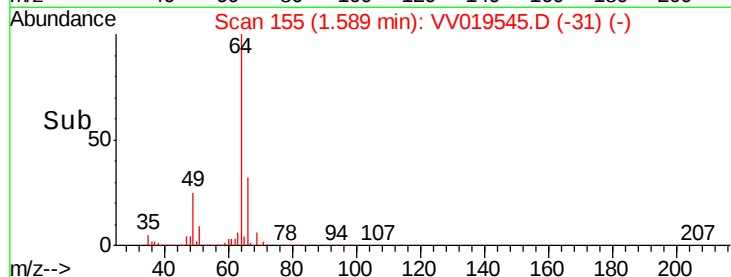
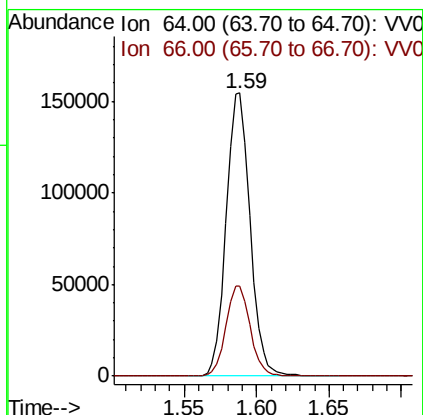
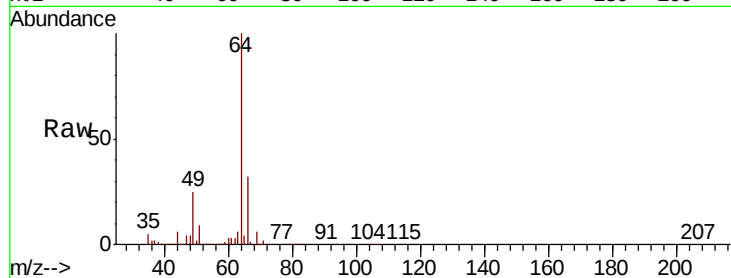
VSTD05084

Tot Ion: 64 Resp: 175720

Ion Ratio Lower Upper

64 100

66 32.1 22.5 41.7



#9

Trichlorofluoromethane

Concen: 51.441 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV019545.D

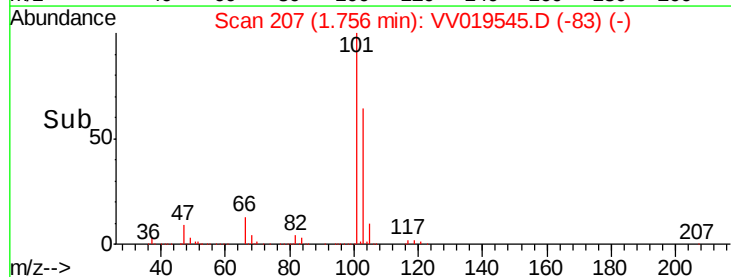
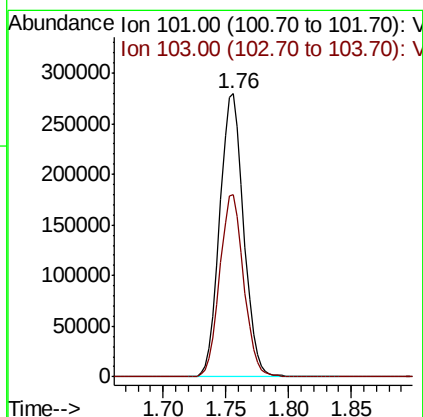
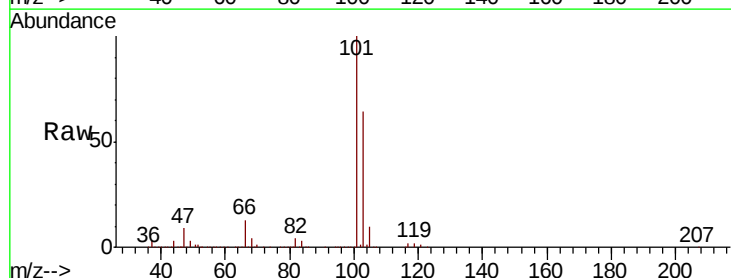
Acq: 12 Dec 2020 10:03

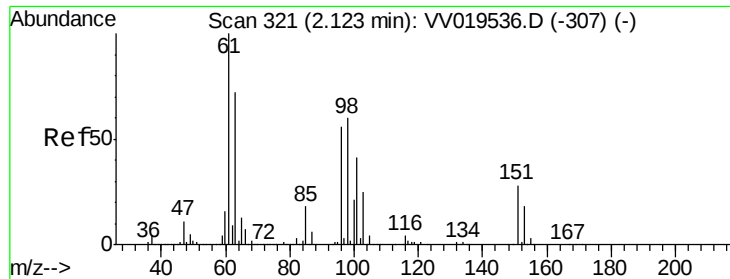
Tgt Ion: 101 Resp: 369994

Ion Ratio Lower Upper

101 100

103 64.5 51.6 77.4





#10

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

Concen: 52.895 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

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VSTD05084

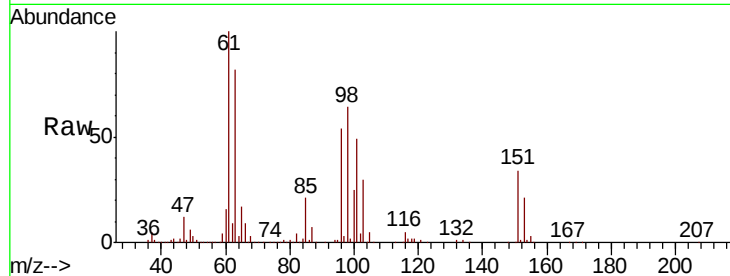
Tot Ion:101 Resp: 210104

Ion Ratio Lower Upper

101 100

85 43.6 35.0 52.4

151 69.2 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019536.D (-307) (-)

Ion 85.00 (84.70 to 85.70): VV019536.D (-307) (-)

Ion 151.00 (150.70 to 151.70): VV019536.D (-307) (-)

2.12

150000

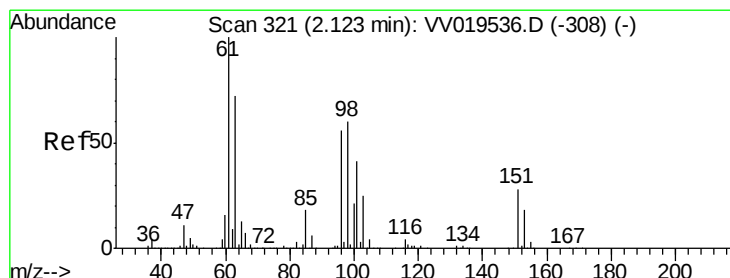
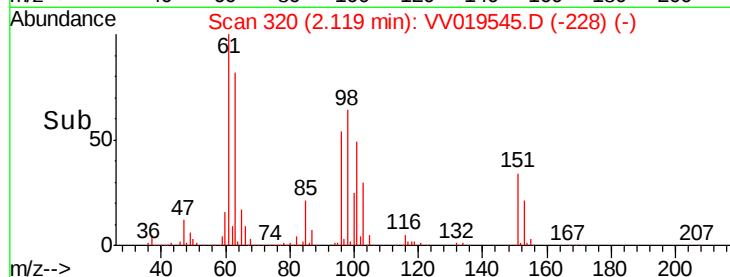
100000

50000

0

2.05 2.10 2.15 2.20

Time-->



#12

1,1-Dichloroethene

Concen: 49.602 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

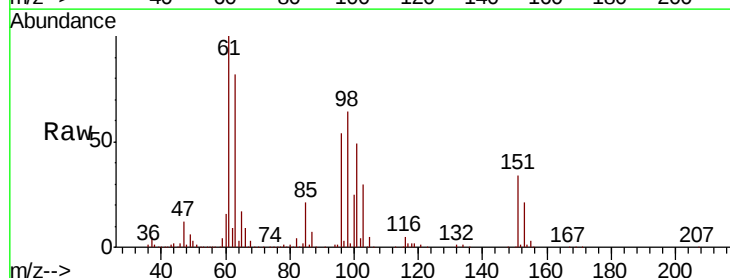
Tgt Ion: 96 Resp: 202181

Ion Ratio Lower Upper

96 100

61 186.3 120.7 224.1

63 152.0 64.3 119.5#



Abundance Ion 96.00 (95.70 to 96.70): VV019536.D (-308) (-)

Ion 61.00 (60.70 to 61.70): VV019536.D (-308) (-)

Ion 63.00 (62.70 to 63.70): VV019536.D (-308) (-)

2.12

300000

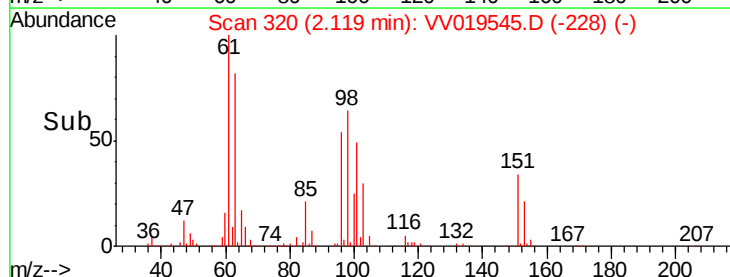
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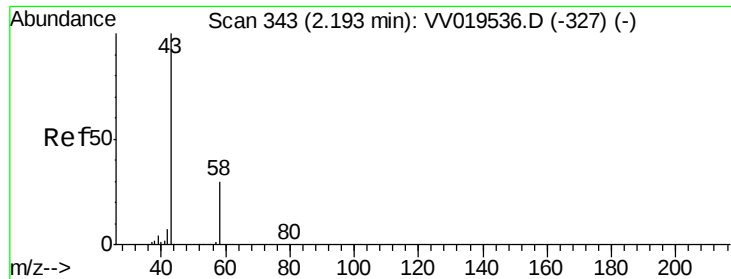
100000

0

2.05 2.10 2.15 2.20

Time-->





#13

Acetone

Concen: 99.262 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

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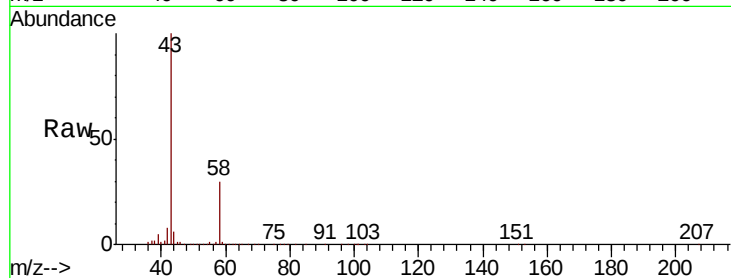
VSTD05084

Tot Ion: 43 Resp: 225505

Ion Ratio Lower Upper

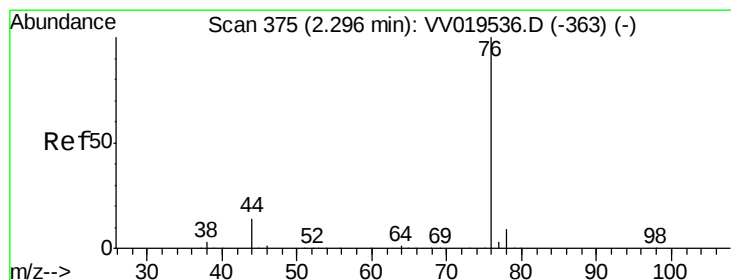
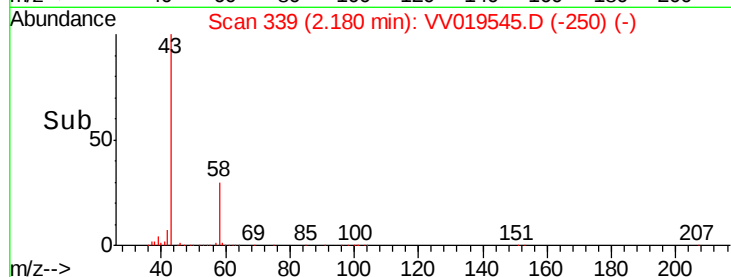
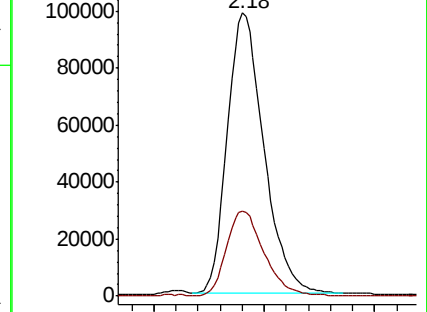
43 100

58 30.8 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV019536.D (-327) (-)

Ion 58.00 (57.70 to 58.70): VV019536.D (-327) (-)



#14

Carbon disulfide

Concen: 47.426 ug/L

RT: 2.30 min Scan# 375

Delta R.T. -0.00 min

Lab File: VV019545.D

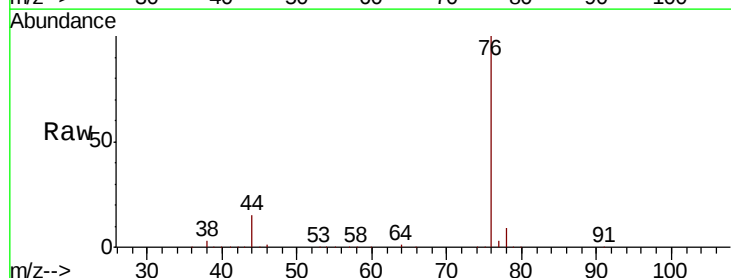
Acq: 12 Dec 2020 10:03

Tgt Ion: 76 Resp: 635183

Ion Ratio Lower Upper

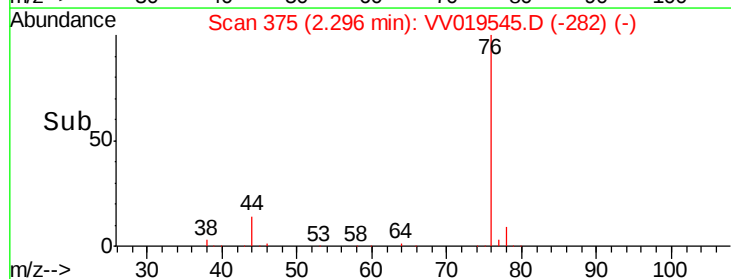
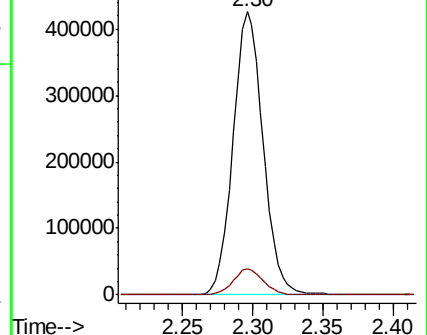
76 100

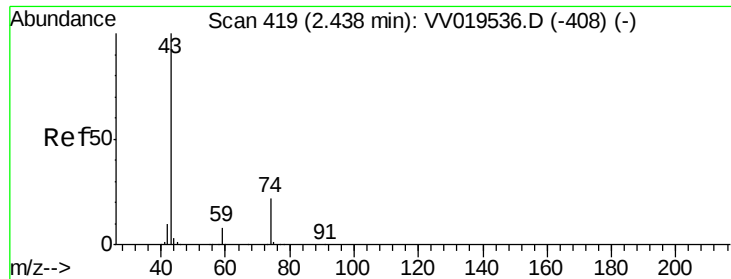
78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV019536.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VV019536.D (-363) (-)

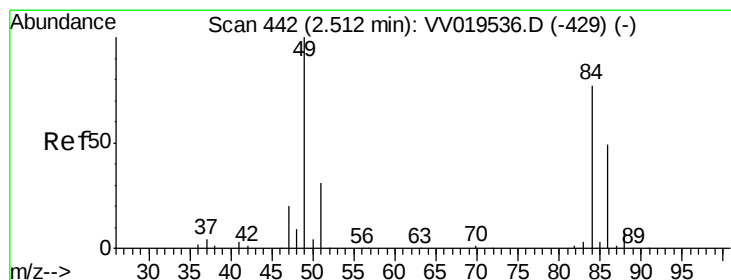
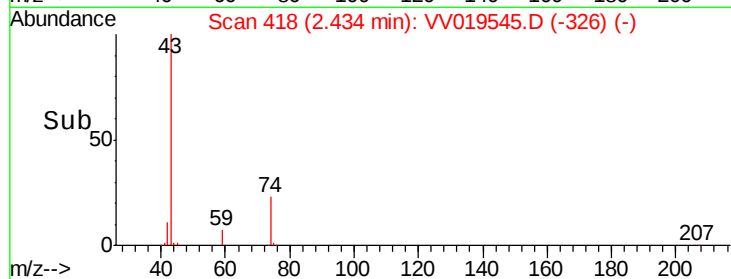
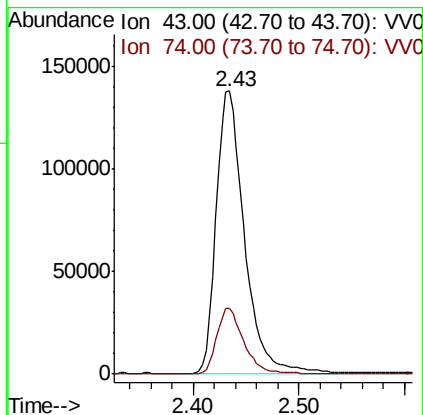
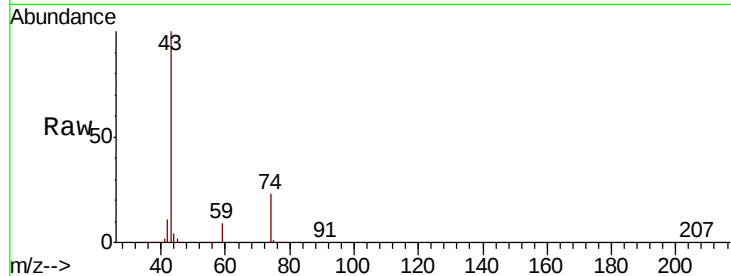




#15
Methyl Acetate
Concen: 51.304 ug/L
RT: 2.43 min Scan# 418
Delta R.T. -0.00 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

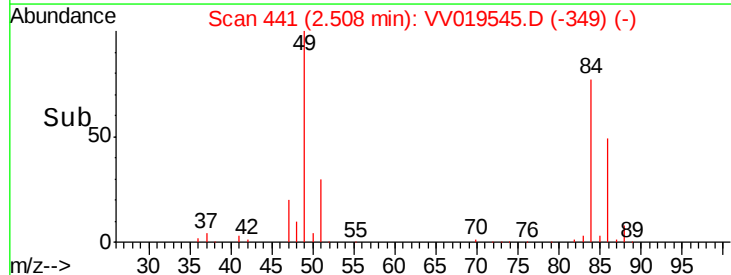
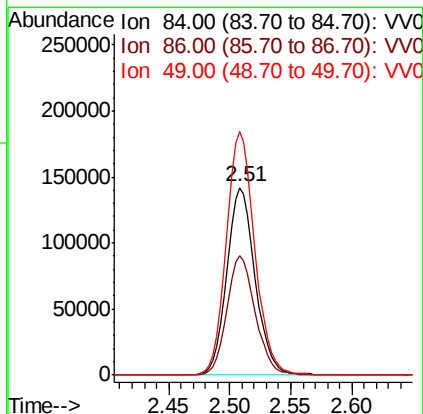
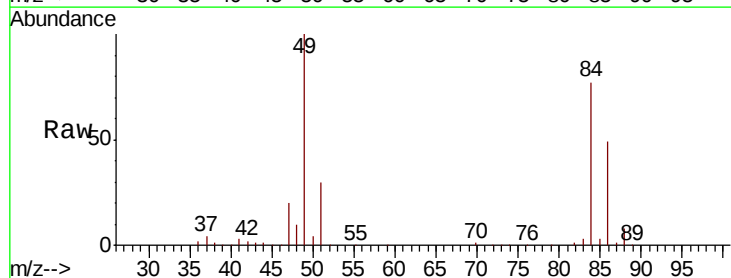
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

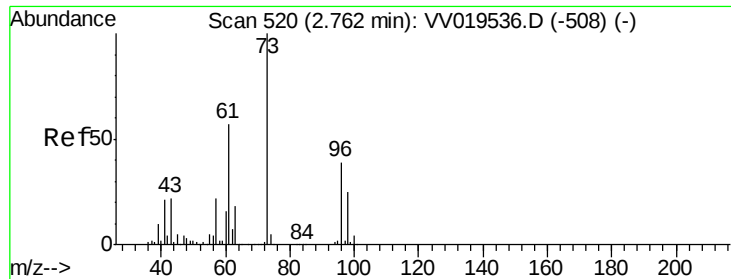
Tot Ion: 43 Resp: 253935
Ion Ratio Lower Upper
43 100
74 22.7 18.2 27.4



#16
Methylene chloride
Concen: 48.402 ug/L
RT: 2.51 min Scan# 441
Delta R.T. -0.00 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

Tgt Ion: 84 Resp: 231317
Ion Ratio Lower Upper
84 100
86 63.7 45.7 84.9
49 129.8 90.6 168.3

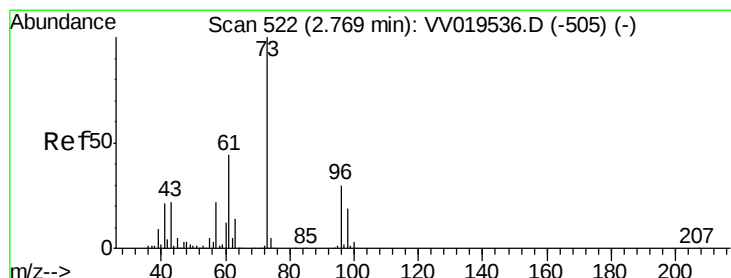
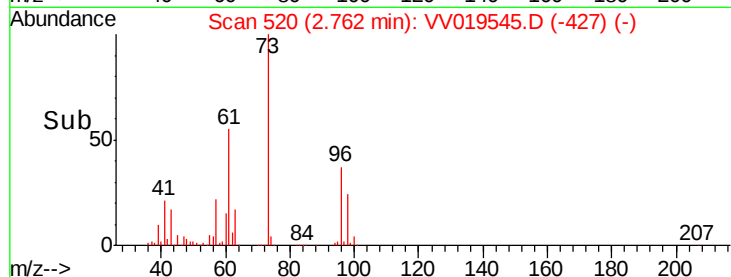
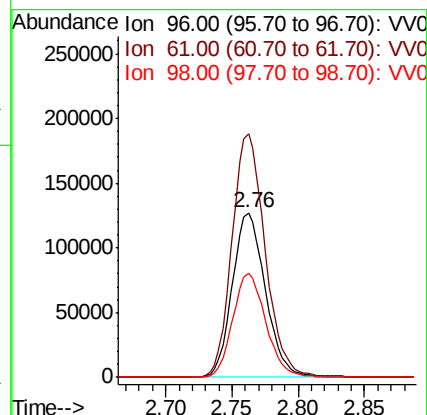
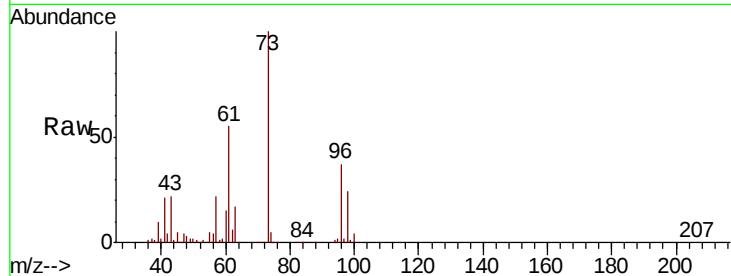




#17
trans-1,2-Dichloroethene
Concen: 49.303 ug/L
RT: 2.76 min Scan# 520
Delta R.T. -0.00 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

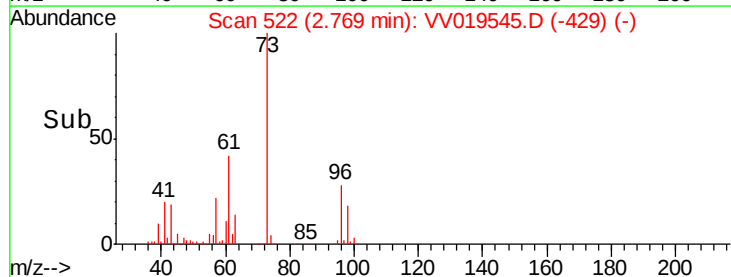
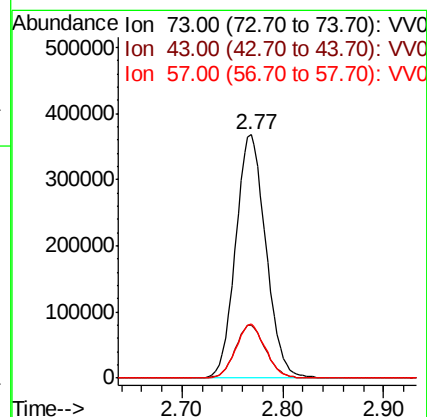
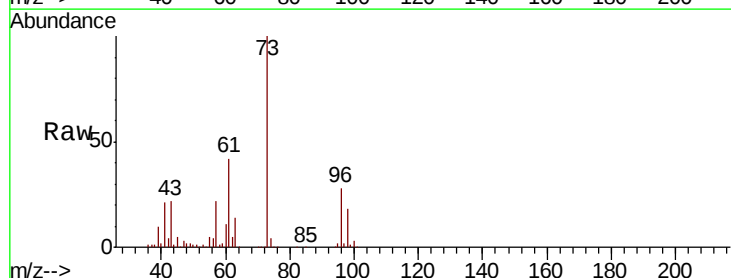
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

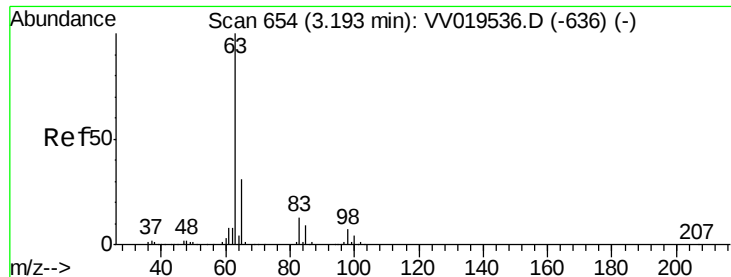
Tot Ion: 96 Resp: 220271
Ion Ratio Lower Upper
96 100
61 148.0 103.5 192.1
98 63.0 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 49.071 ug/L
RT: 2.77 min Scan# 522
Delta R.T. -0.00 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

Tgt Ion: 73 Resp: 766058
Ion Ratio Lower Upper
73 100
43 21.6 17.3 25.9
57 21.9 17.5 26.3





#19

1,1-Dichloroethane

Concen: 49.662 ug/L

RT: 3.19 min Scan# 653

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

Instrument :

MSVOA_V

ClientSampled :

VSTD05084

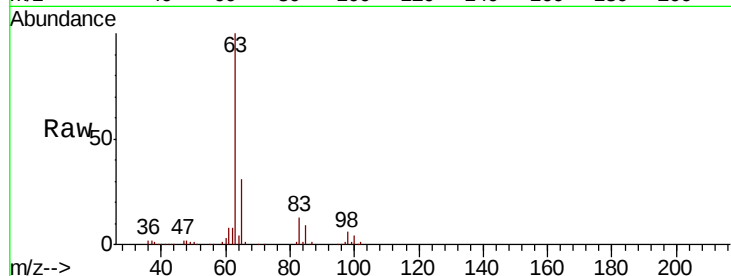
Tot Ion: 63 Resp: 430146

Ion Ratio Lower Upper

63 100

65 31.4 22.4 41.6

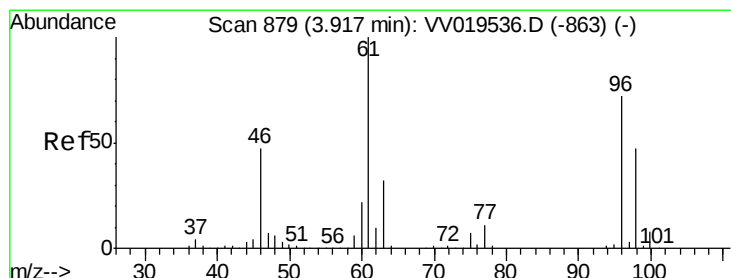
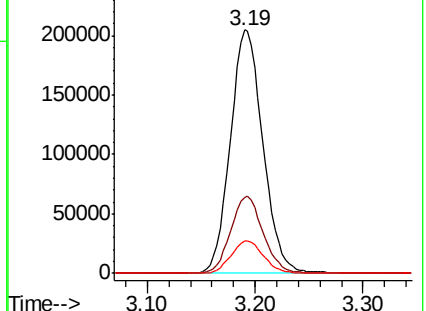
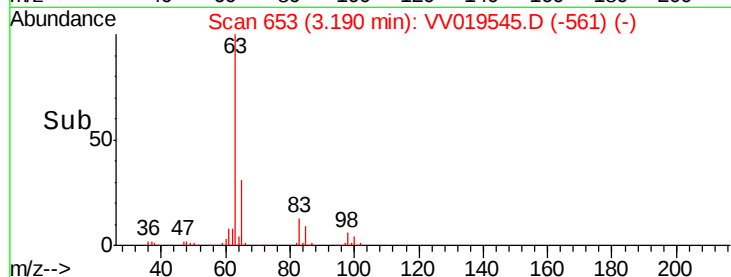
83 13.1 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV019536.D (-636) (-)

Ion 65.00 (64.70 to 65.70): VV019536.D (-636) (-)

Ion 83.00 (82.70 to 83.70): VV019536.D (-636) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.777 ug/L

RT: 3.91 min Scan# 878

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

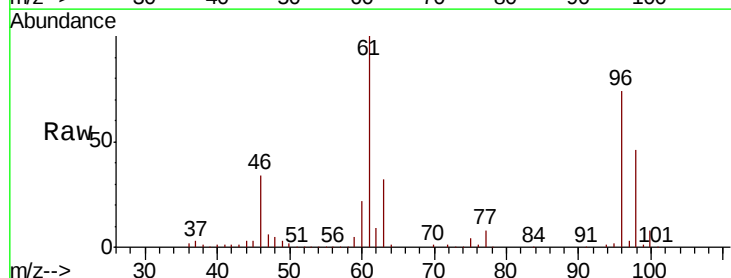
Tgt Ion: 96 Resp: 239559

Ion Ratio Lower Upper

96 100

61 135.5 94.1 174.8

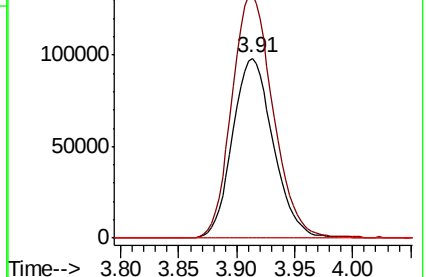
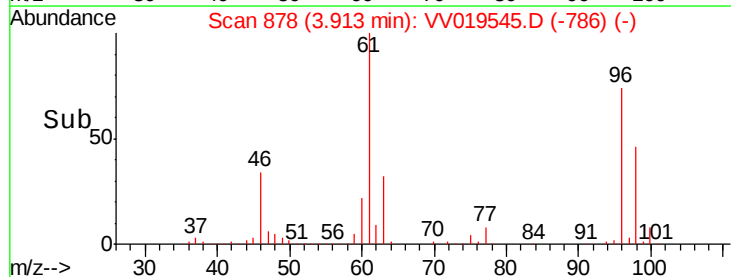
68 0.0 0.1 0.1#

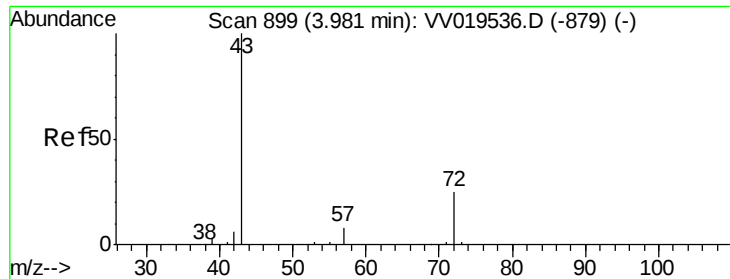


Abundance Ion 96.00 (95.70 to 96.70): VV019536.D (-863) (-)

Ion 61.00 (60.70 to 61.70): VV019536.D (-863) (-)

Ion 68.00 (67.70 to 68.70): VV019536.D (-863) (-)





#22

2-Butanone

Concen: 106.864 ug/L

RT: 3.97 min Scan# 895

Delta R.T. -0.01 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

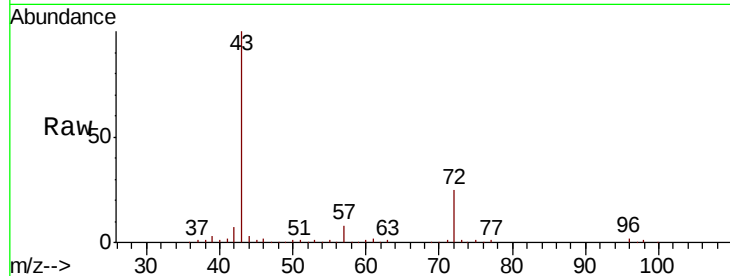
VSTD05084

Tot Ion: 43 Resp: 356118

Ion Ratio Lower Upper

43 100

72 24.0 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019536.D (-879) (-)

Ion 72.00 (71.70 to 72.70): VV019536.D (-879) (-)

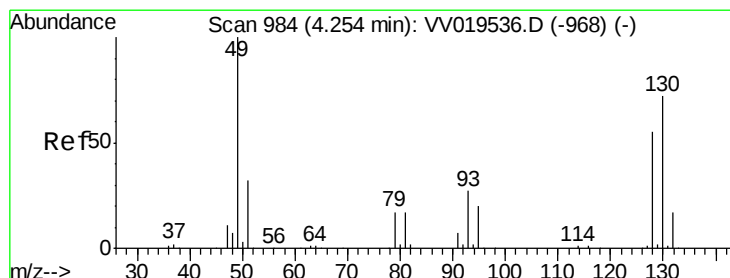
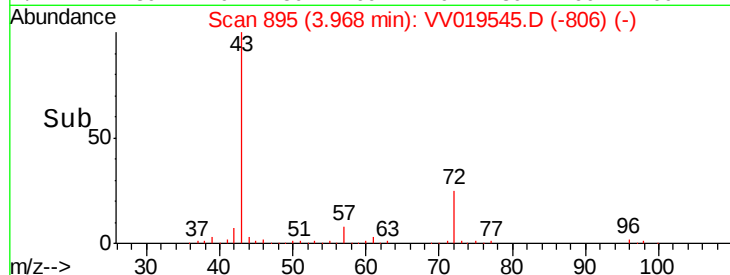
3.97

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 47.802 ug/L

RT: 4.25 min Scan# 982

Delta R.T. -0.01 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

Tgt Ion:128 Resp: 115513

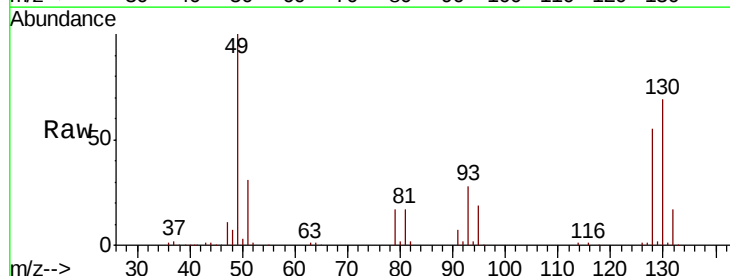
Ion Ratio Lower Upper

128 100

49 182.9 127.0 235.8

130 126.5 90.3 167.7

51 56.2 44.5 66.7



Abundance Ion 128.00 (127.70 to 128.70): VV019545.D (-891) (-)

Ion 49.00 (48.70 to 49.70): VV019545.D (-891) (-)

Ion 130.00 (129.70 to 130.70): VV019545.D (-891) (-)

Ion 51.00 (50.70 to 51.70): VV019545.D (-891) (-)

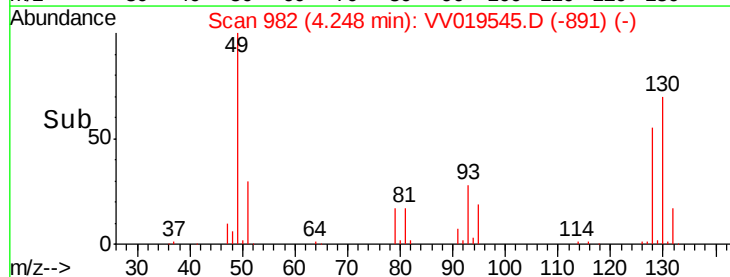
4.25

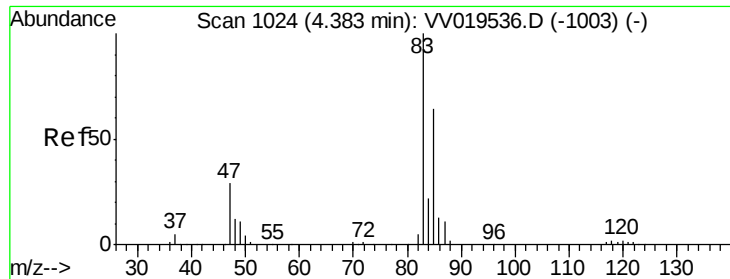
100000

50000

0

Time-->

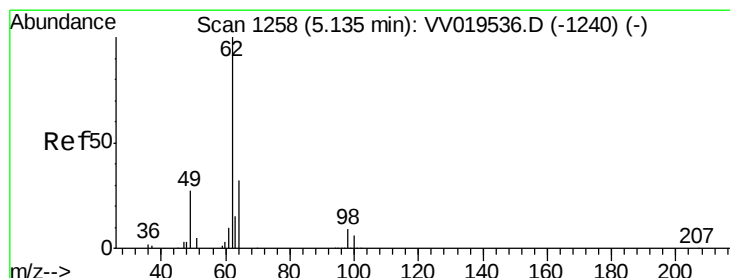
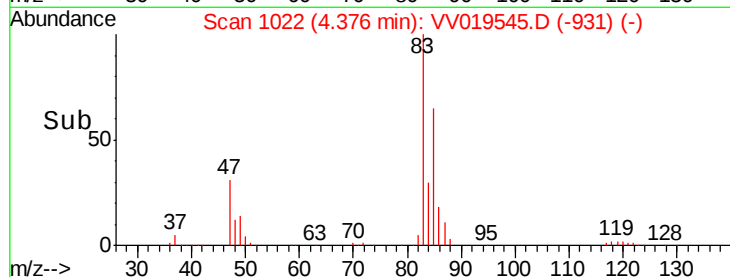
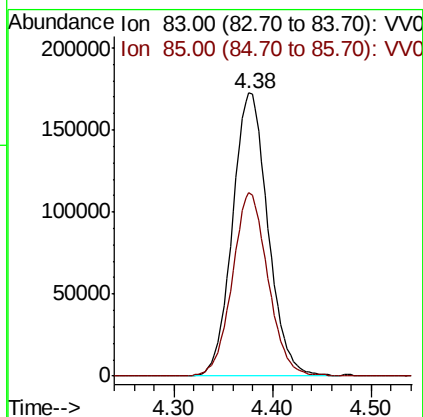
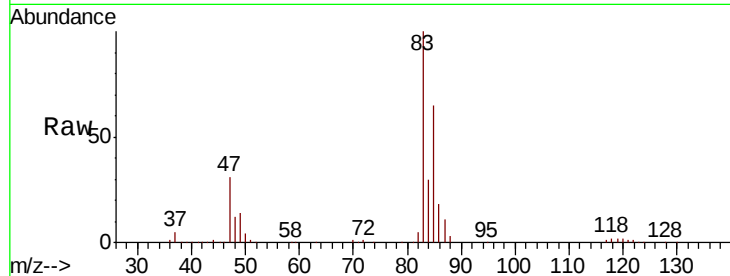




#25
Chloroform
Concen: 49.742 ug/L
RT: 4.38 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

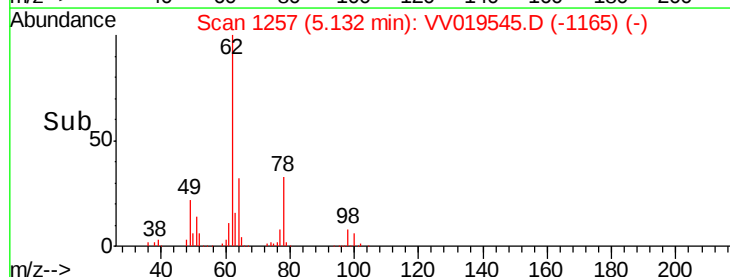
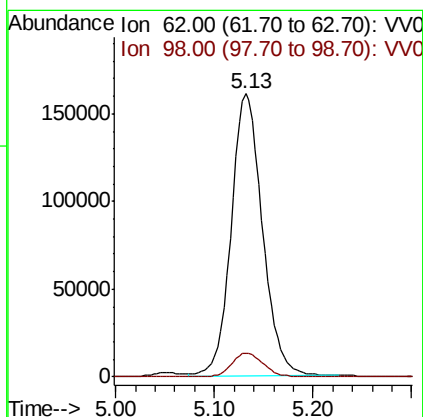
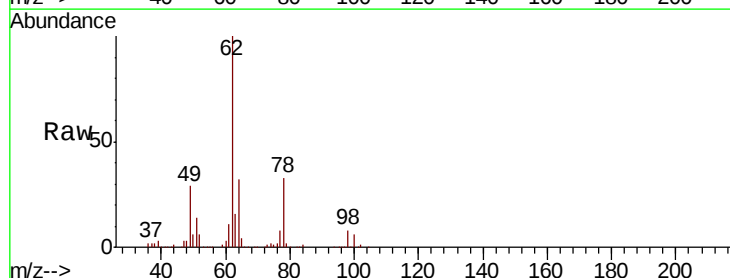
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

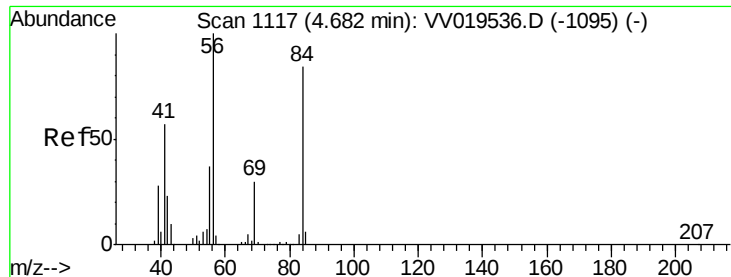
Tot Ion: 83 Resp: 430296
Ion Ratio Lower Upper
83 100
85 65.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 49.594 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

Tgt Ion: 62 Resp: 355414
Ion Ratio Lower Upper
62 100
98 8.4 7.4 11.0

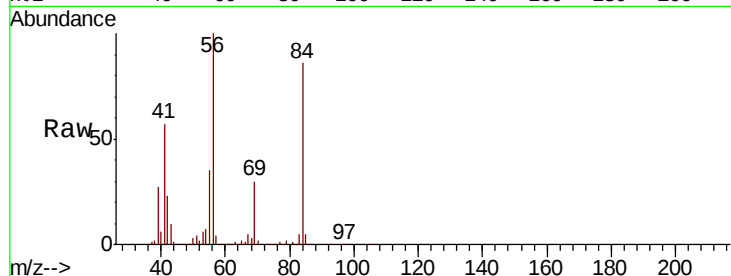




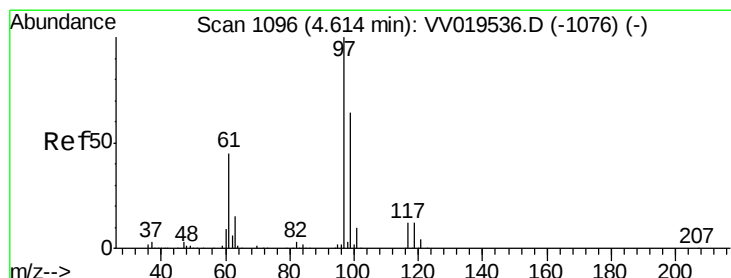
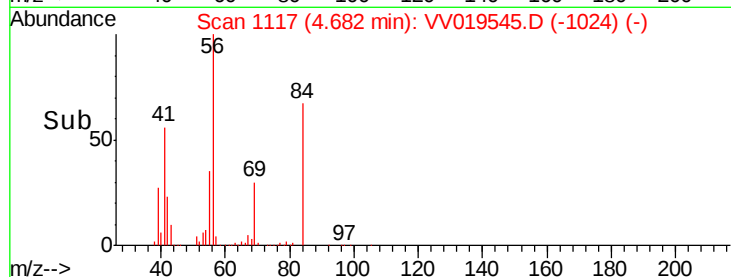
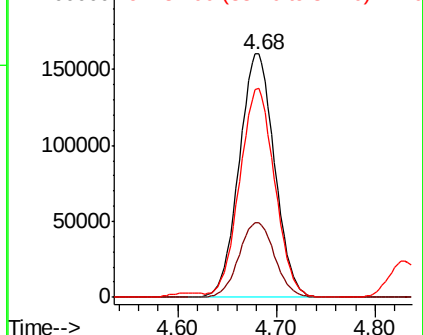
#29
Cvclohexane
Concen: 50.316 ug/L
RT: 4.68 min Scan# 1117
Delta R.T. -0.00 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.6	37.0
84	85.4	68.2	102.4

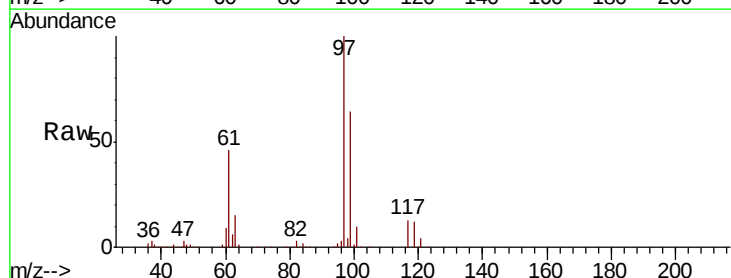


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

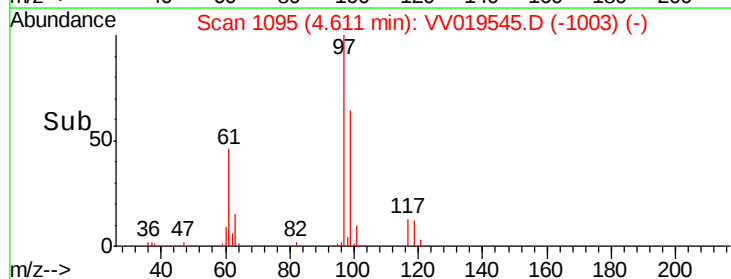
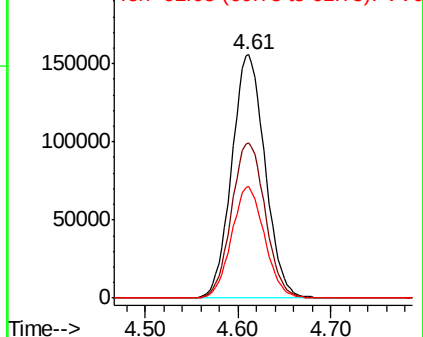


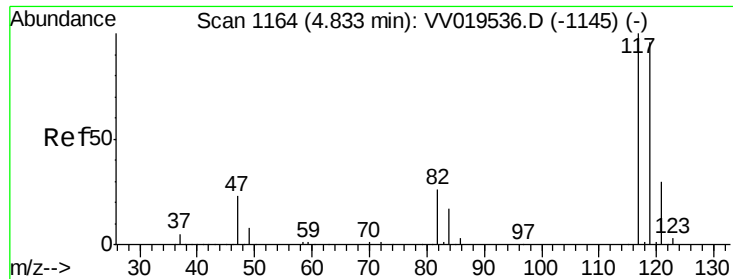
#30
1,1,1-Trichloroethane
Concen: 47.983 ug/L
RT: 4.61 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	45.5	36.3	54.5



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 48.558 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

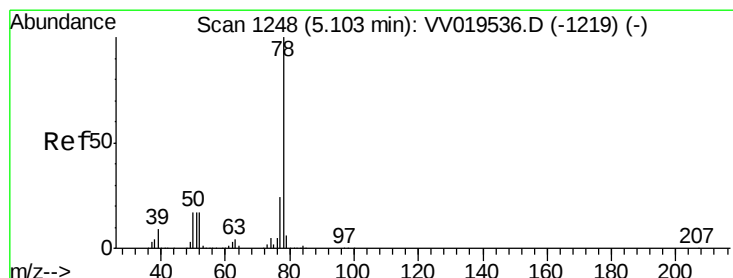
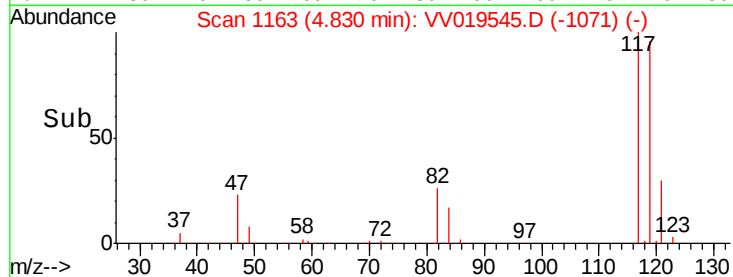
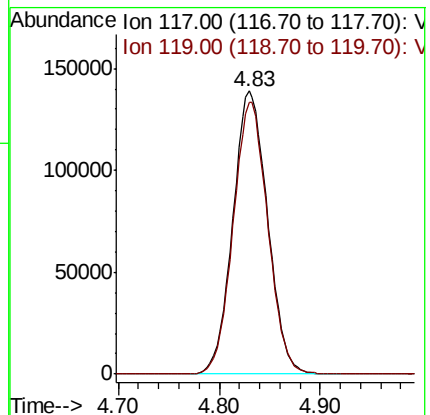
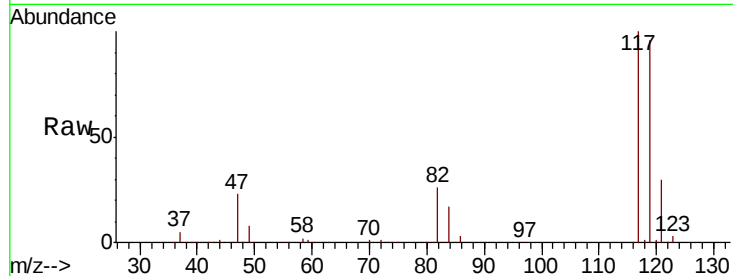
VSTD05084

Tot Ion:117 Resp: 331685

Ion Ratio Lower Upper

117 100

119 95.8 75.7 113.5



#33

Benzene

Concen: 48.464 ug/L

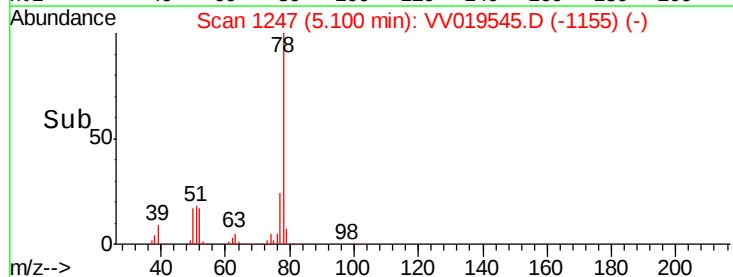
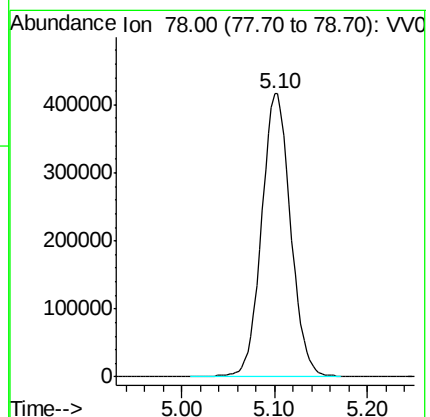
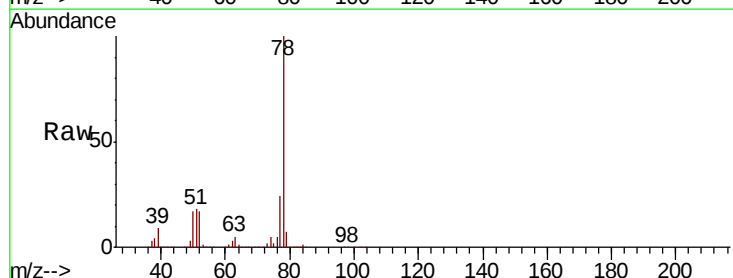
RT: 5.10 min Scan# 1247

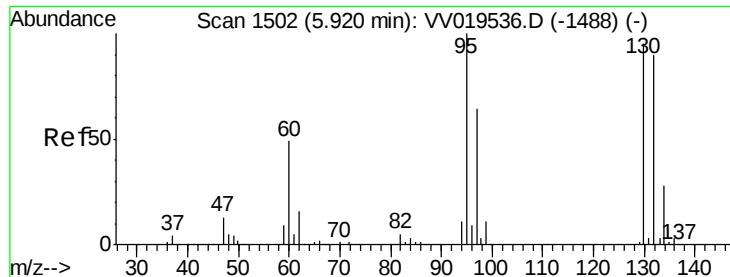
Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

Tgt Ion: 78 Resp: 914026





#34

Trichloroethene

Concen: 48.020 ug/L

RT: 5.92 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

Tot Ion: 95 Resp: 239240

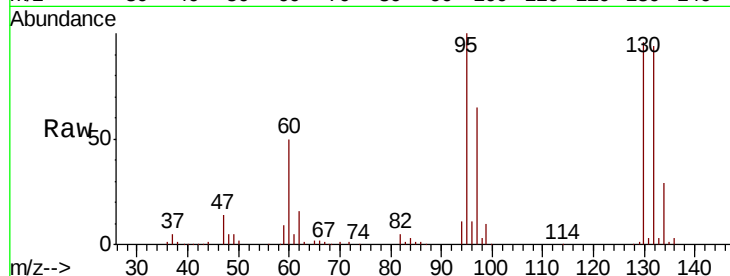
Ion Ratio Lower Upper

95 100

97 65.1 44.4 82.4

132 94.1 64.3 119.3

130 96.4 67.8 125.8

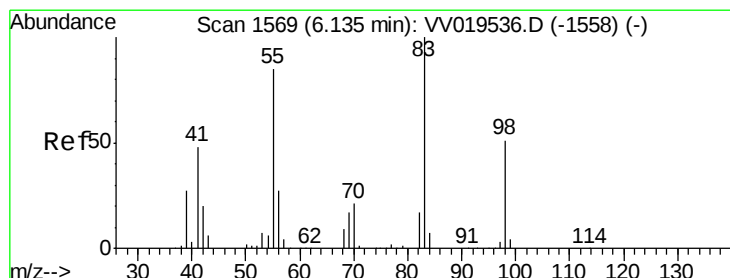
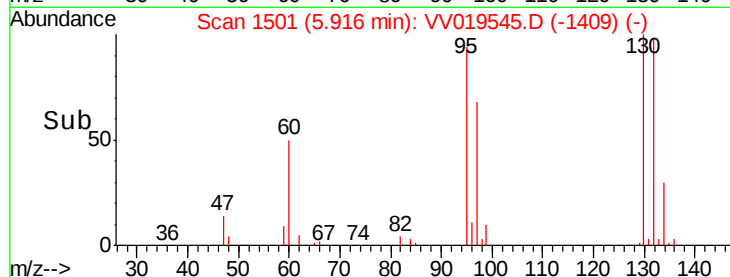
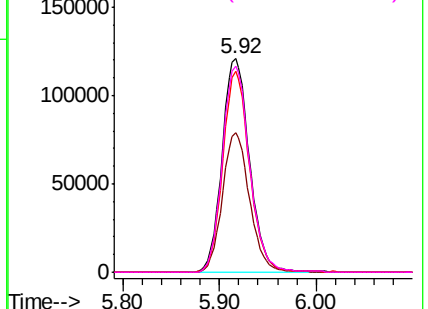


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 52.133 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

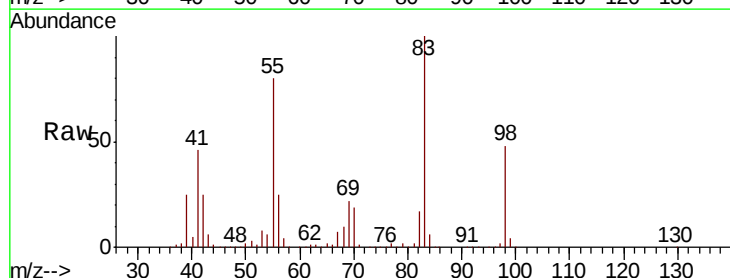
Tgt Ion: 83 Resp: 394580

Ion Ratio Lower Upper

83 100

55 80.9 64.2 96.4

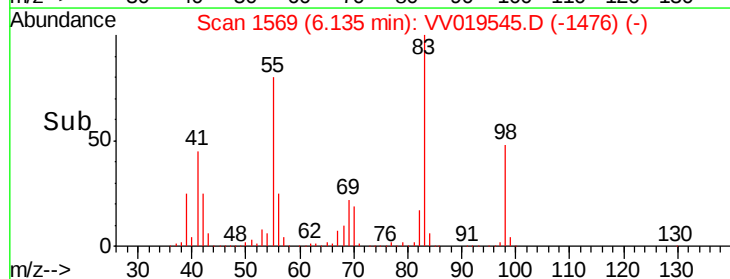
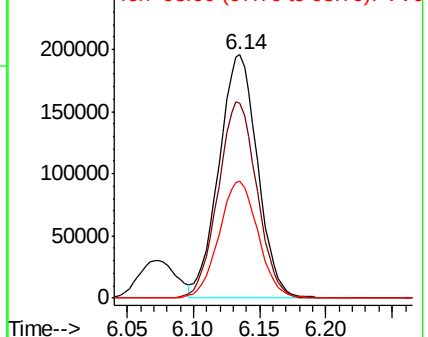
98 48.7 39.3 58.9

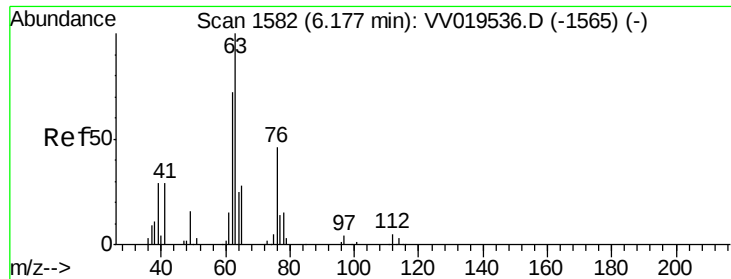


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

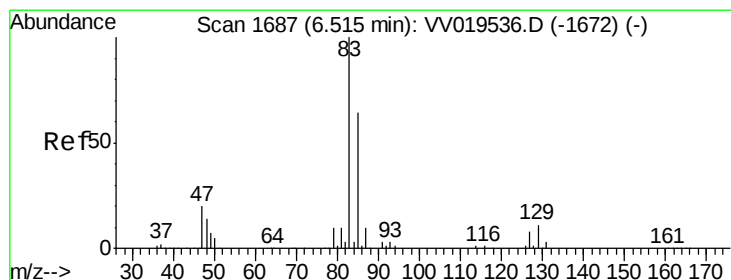
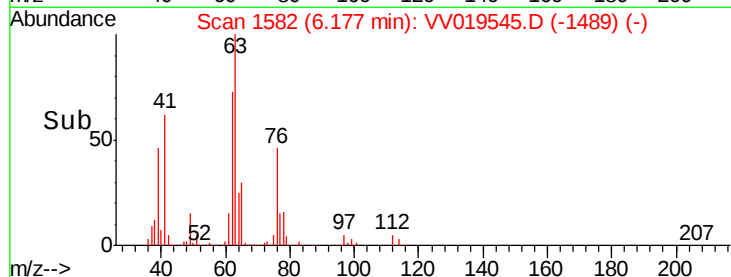
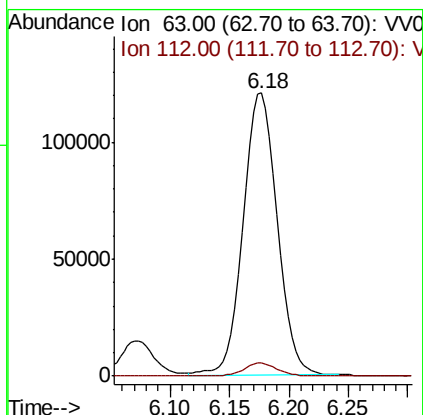
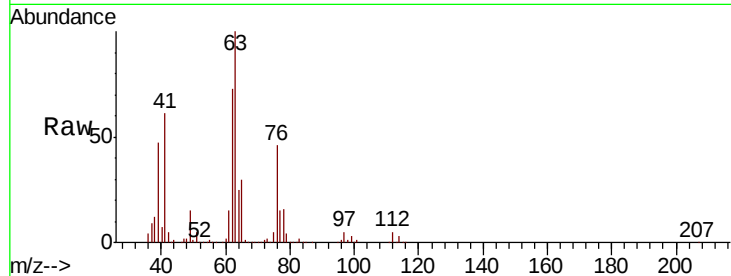




#37
 1,2-Dichloropropane
 Concen: 48.682 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV019545.D
 Acq: 12 Dec 2020 10:03

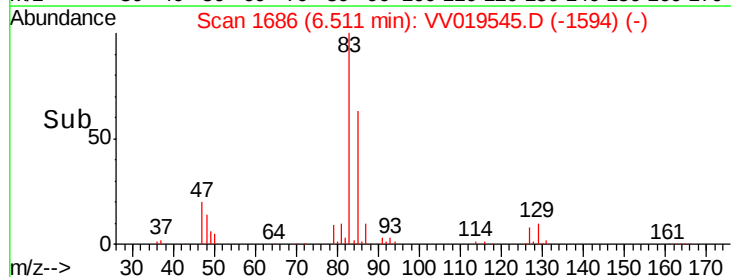
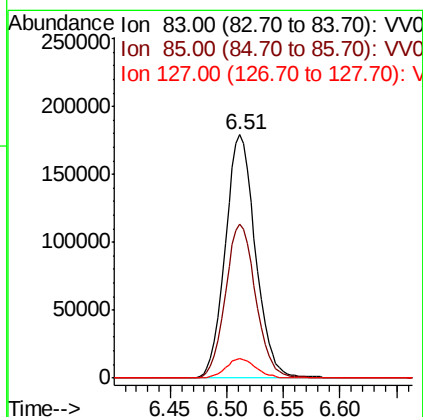
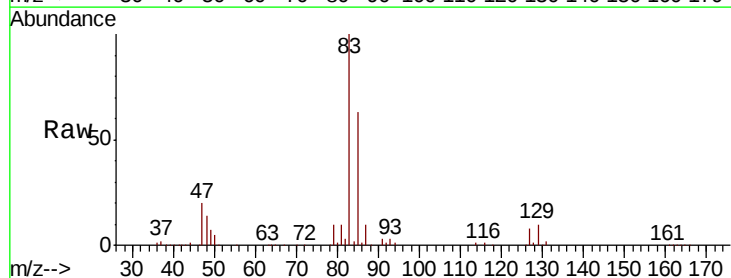
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

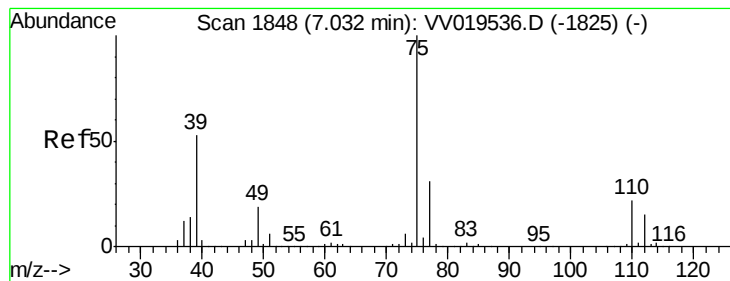
Tot Ion: 63 Resp: 239774
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 48.308 ug/L
 RT: 6.51 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VV019545.D
 Acq: 12 Dec 2020 10:03

Tgt Ion: 83 Resp: 332710
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.9 83.5
 127 7.8 6.7 10.1



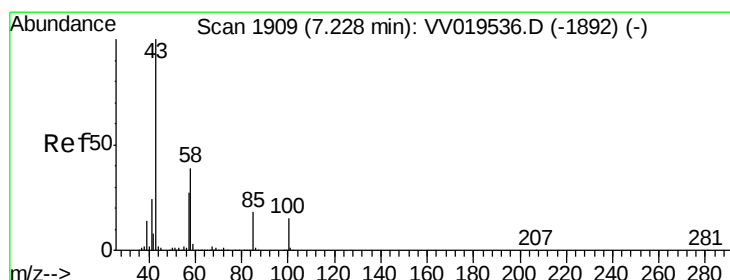
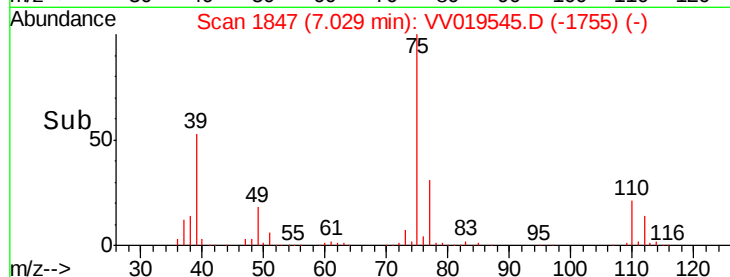
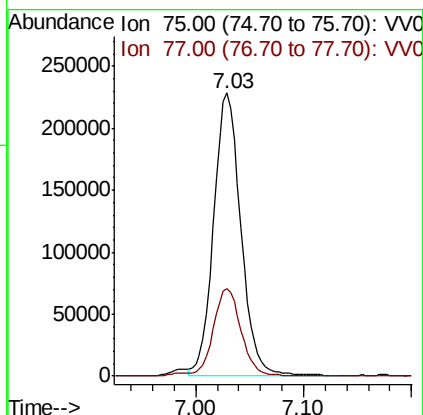
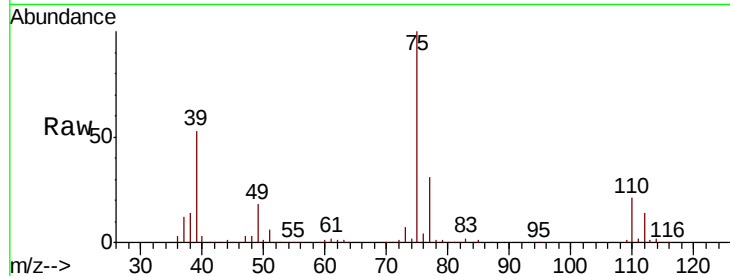


#39

cis-1,3-Dichloropropene
 Concen: 48.873 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: VV019545.D
 Acq: 12 Dec 2020 10:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

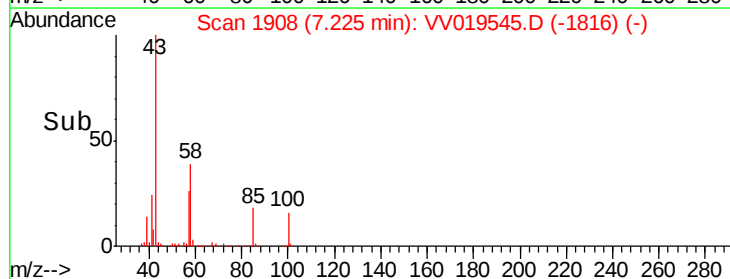
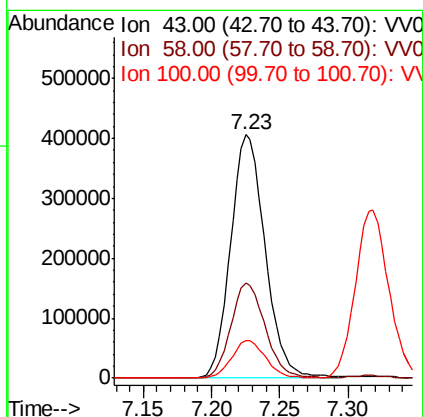
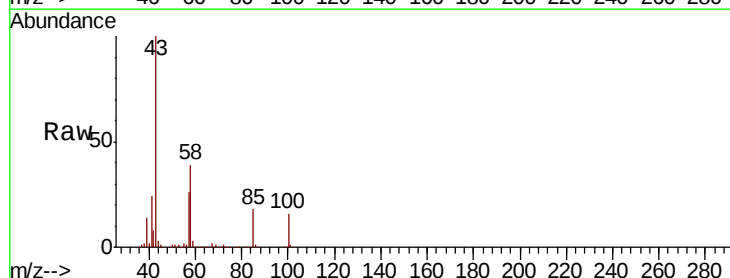
Tot Ion: 75 Resp: 399789
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.4 41.6

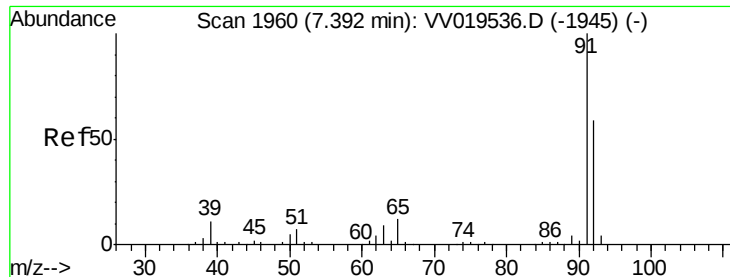


#40

4-Methyl-2-pentanone
 Concen: 100.138 ug/L
 RT: 7.23 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VV019545.D
 Acq: 12 Dec 2020 10:03

Tgt Ion: 43 Resp: 711559
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.7 47.5
 100 15.4 12.5 18.7





#42

Toluene

Concen: 48.752 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

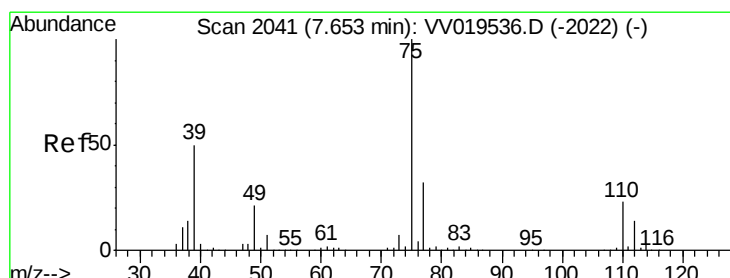
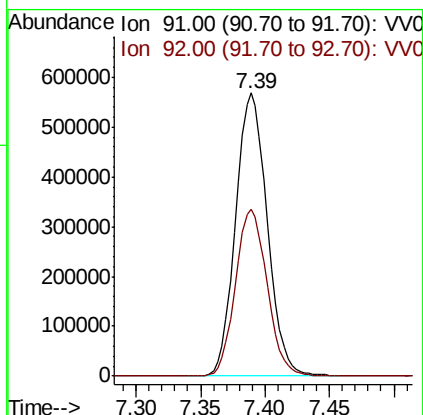
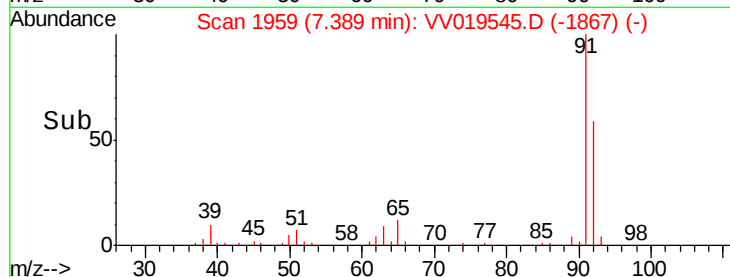
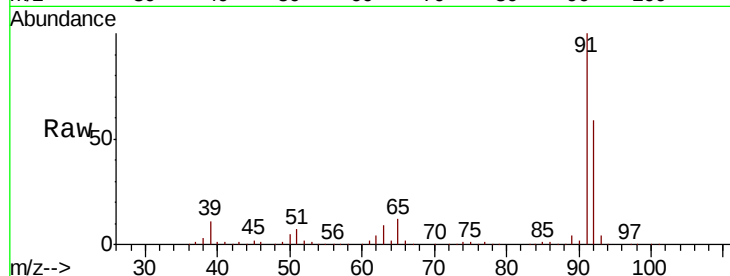
VSTD05084

Tot Ion: 91 Resp: 969079

Ion Ratio Lower Upper

91 100

92 58.9 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 48.035 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.00 min

Lab File: VV019545.D

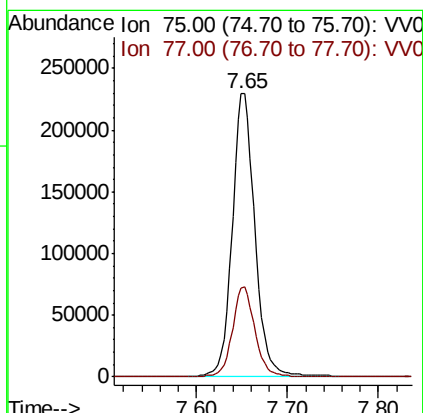
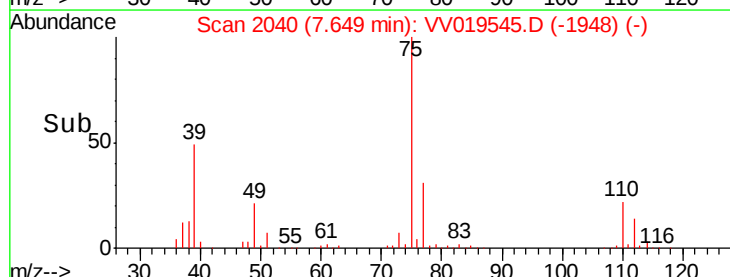
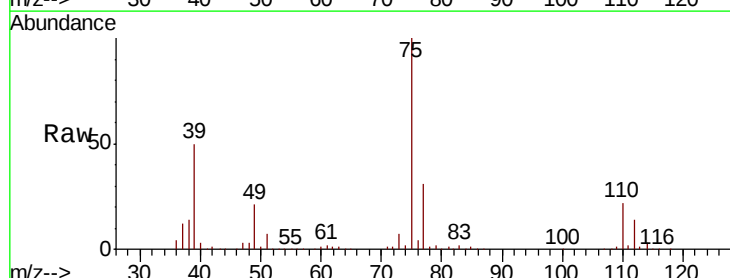
Acq: 12 Dec 2020 10:03

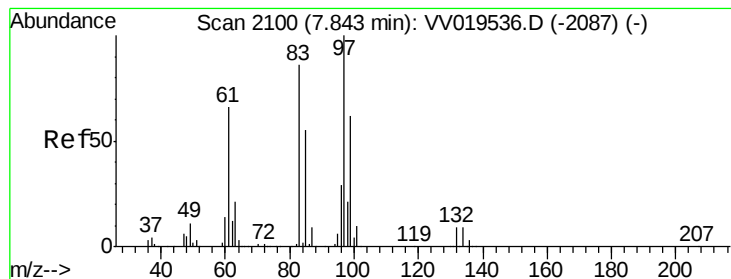
Tgt Ion: 75 Resp: 397870

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 47.455 ug/L

RT: 7.84 min Scan# 2099

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

Tot Ion: 97 Resp: 221957

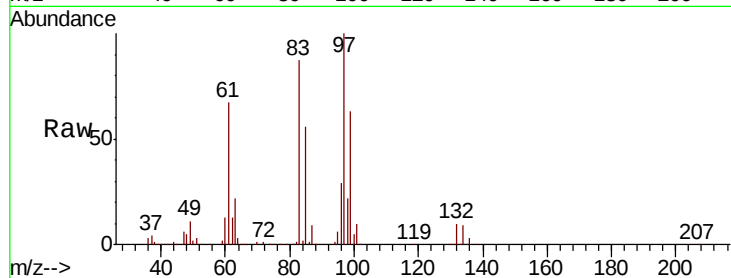
Ion Ratio Lower Upper

97 100

99 63.3 44.1 81.9

83 86.7 60.0 111.4

85 56.5 38.6 71.8



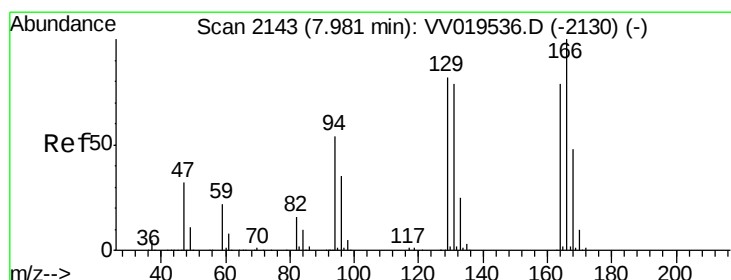
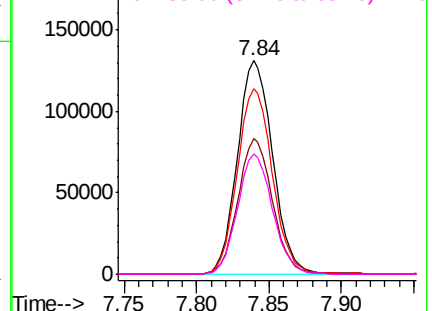
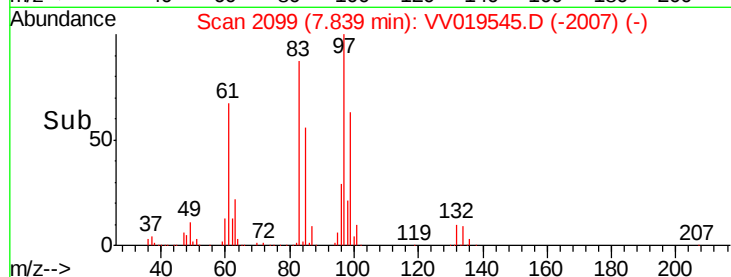
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 49.859 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

Tgt Ion: 164 Resp: 171882

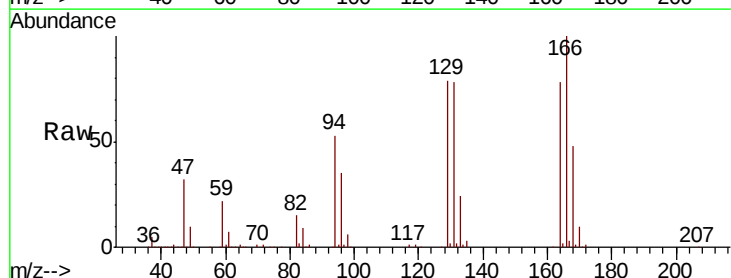
Ion Ratio Lower Upper

164 100

129 101.1 70.6 131.0

131 99.7 68.0 126.4

166 127.6 86.9 161.5



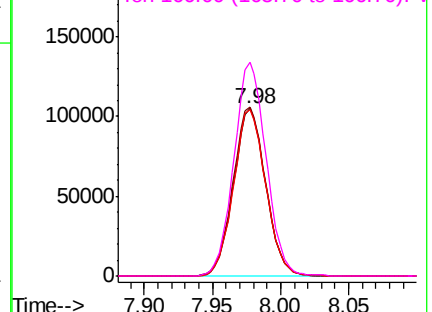
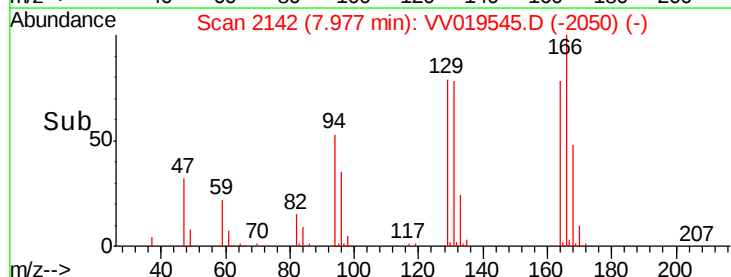
Abundance

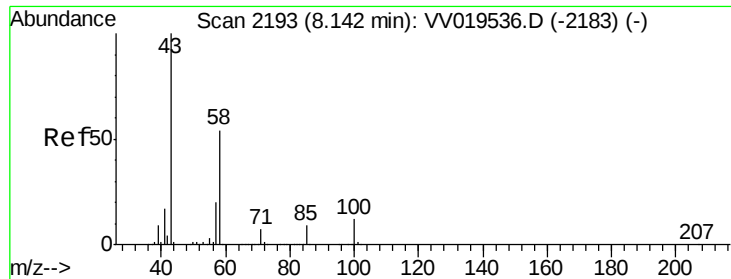
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

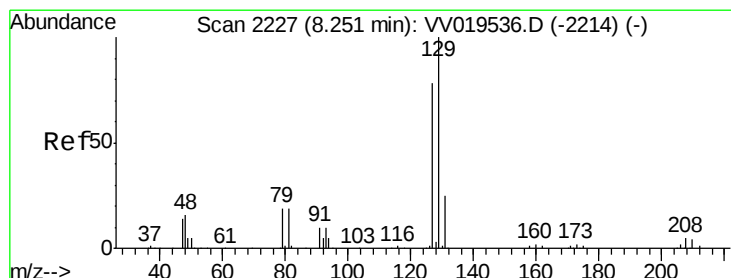
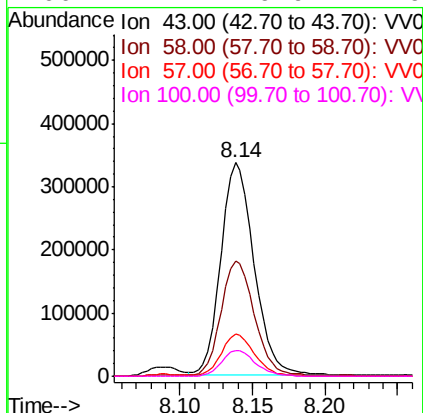
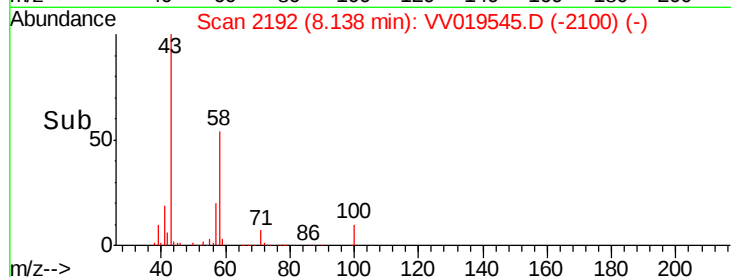
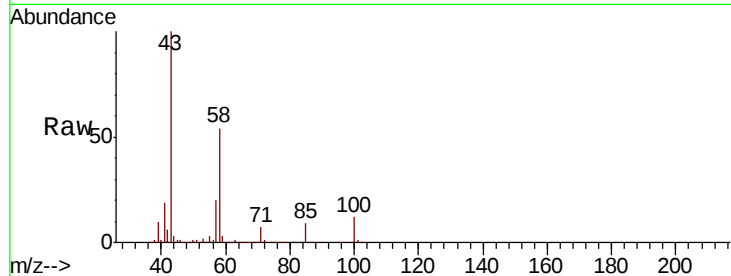




#48
2-Hexanone
Concen: 99.441 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

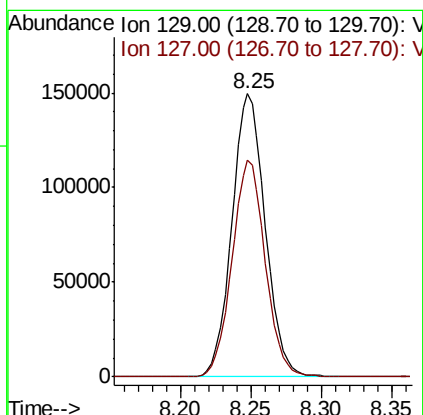
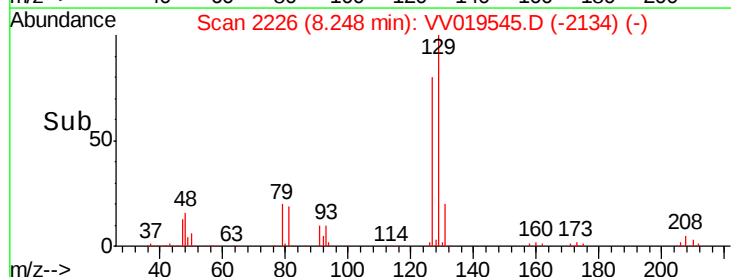
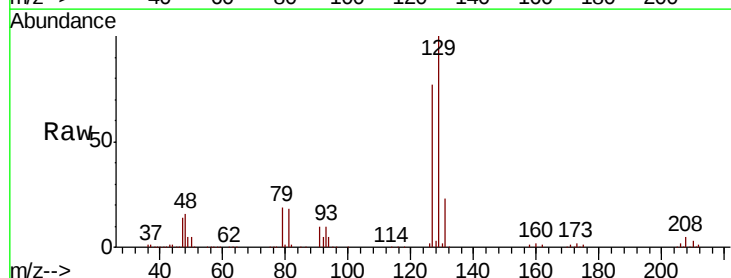
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

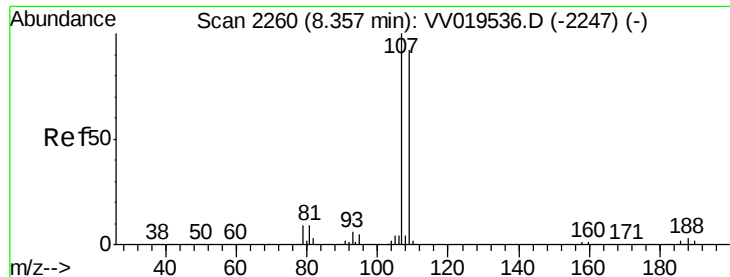
Tot Ion:	43	Resp:	536158
Ion	Ratio	Lower	Upper
43	100		
58	55.1	44.4	66.6
57	19.7	15.7	23.5
100	12.4	9.9	14.9



#49
Dibromochloromethane
Concen: 48.269 ug/L
RT: 8.25 min Scan# 2226
Delta R.T. -0.00 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

Tgt Ion:	129	Resp:	247241
Ion	Ratio	Lower	Upper
129	100		
127	76.5	54.2	100.6

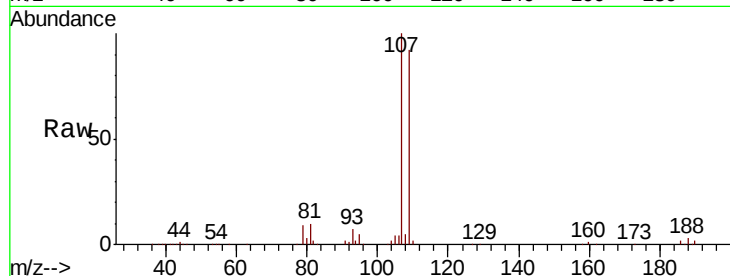




#50
1,2-Dibromoethane
Concen: 48.417 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. -0.00 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	66.4	123.2
188	3.3	2.9	4.3

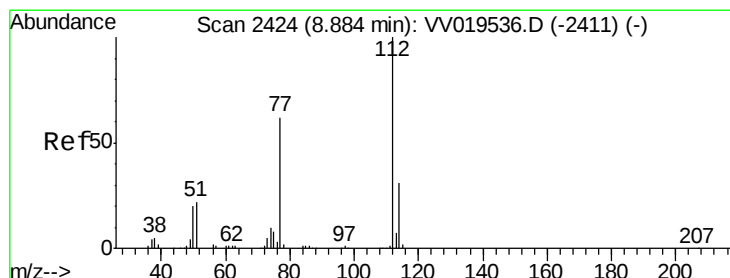
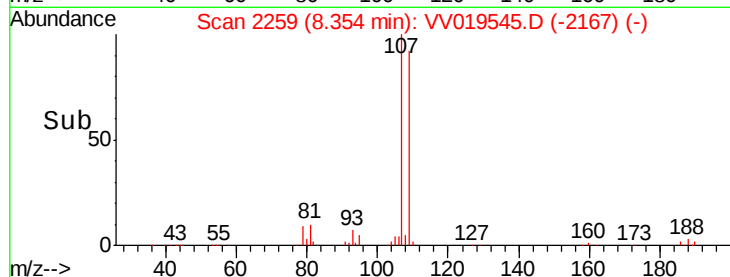
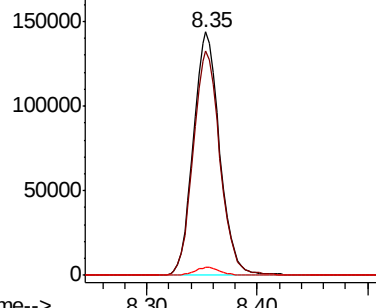


Abundance

Ion 107.00 (106.70 to 107.70): V

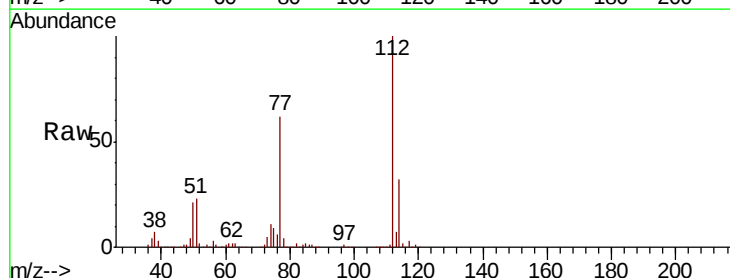
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 48.392 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. -0.00 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.2	41.2
77	62.3	50.6	75.8

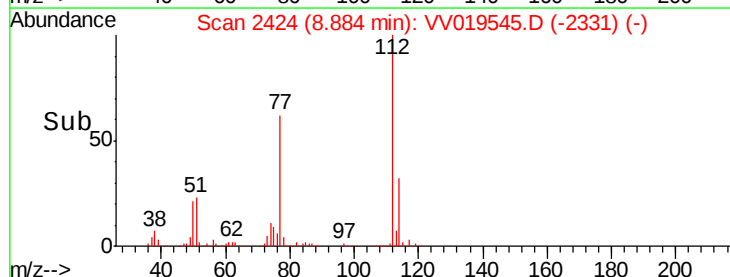
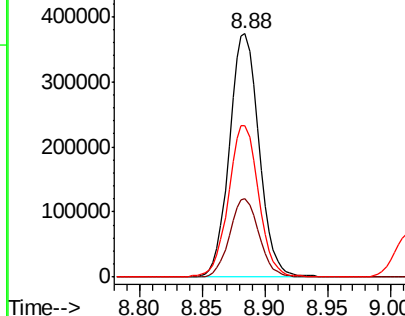


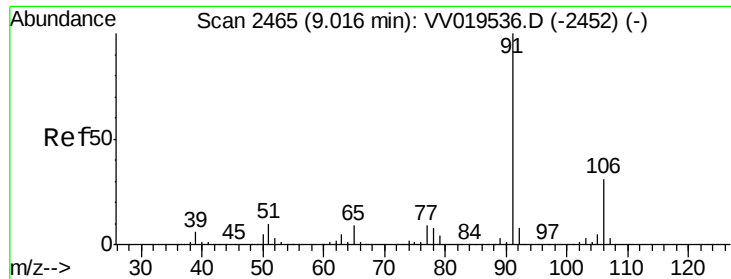
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

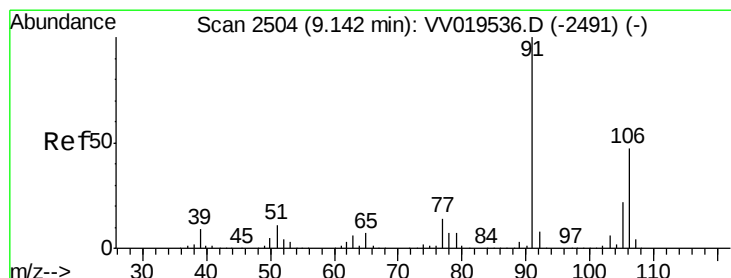
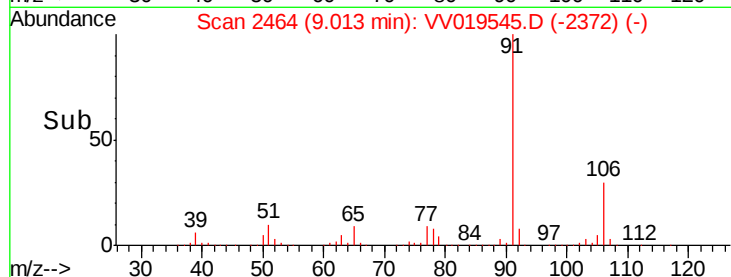
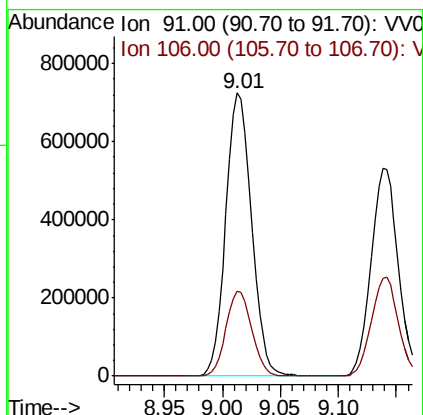
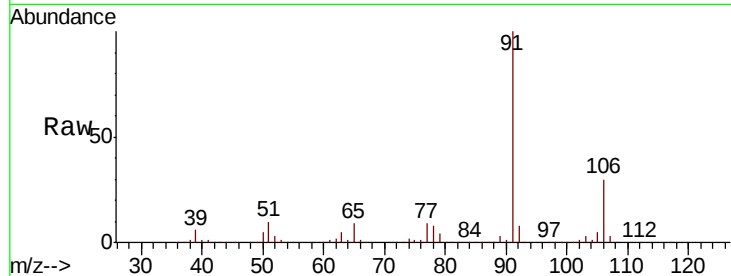




#52
Ethylbenzene
Concen: 49.373 ug/L
RT: 9.01 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

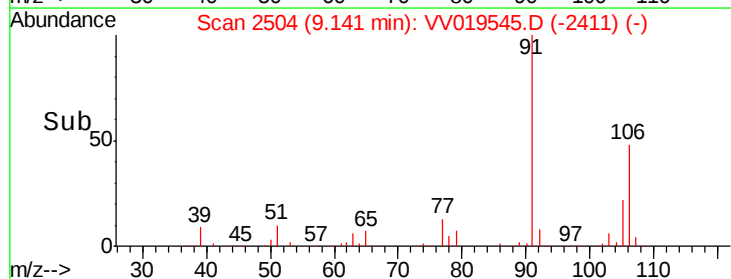
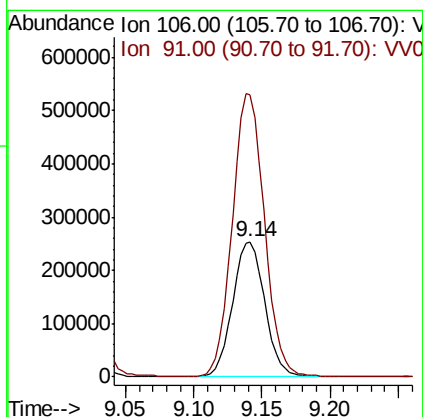
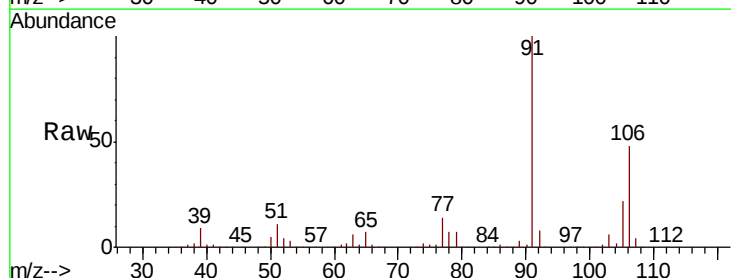
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

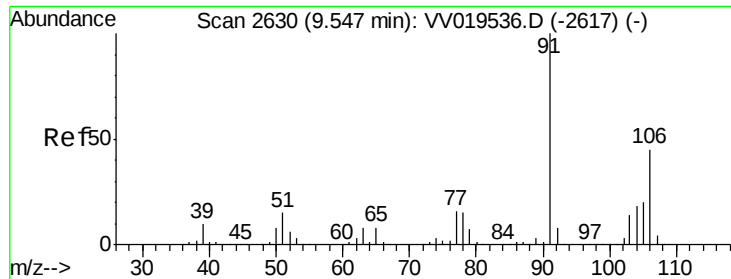
Tot Ion: 91 Resp: 1118186
Ion Ratio Lower Upper
91 100
106 30.0 21.1 39.3



#53
m,p-Xylene
Concen: 48.790 ug/L
RT: 9.14 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

Tgt Ion: 106 Resp: 412811
Ion Ratio Lower Upper
106 100
91 208.5 147.7 274.3

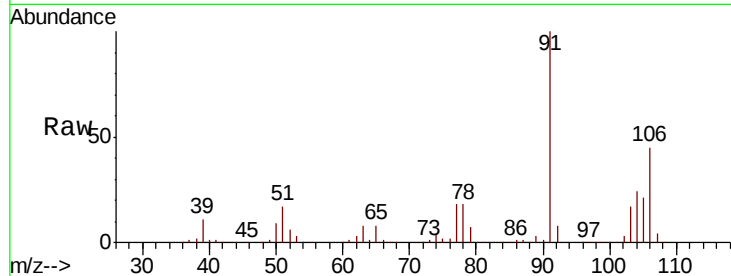




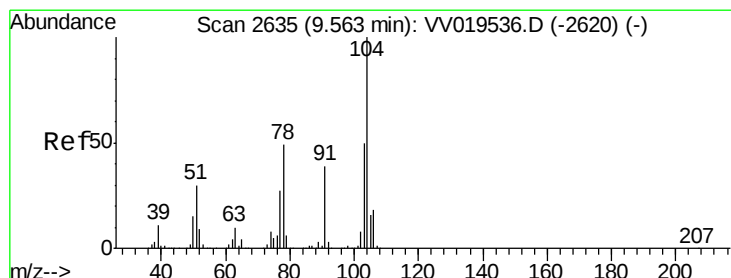
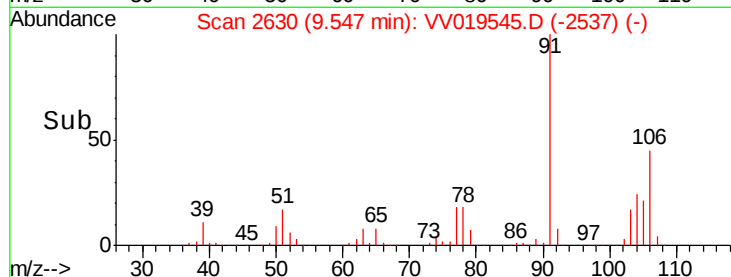
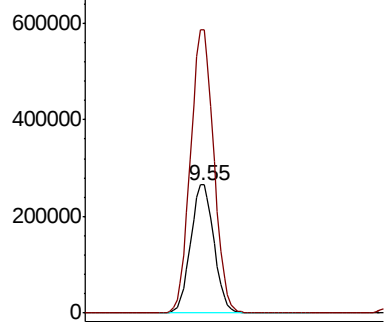
#54
o-xylene
Concen: 49.092 ug/L
RT: 9.55 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

Tot Ion:106 Resp: 407133
Ion Ratio Lower Upper
106 100
91 220.5 156.7 291.1

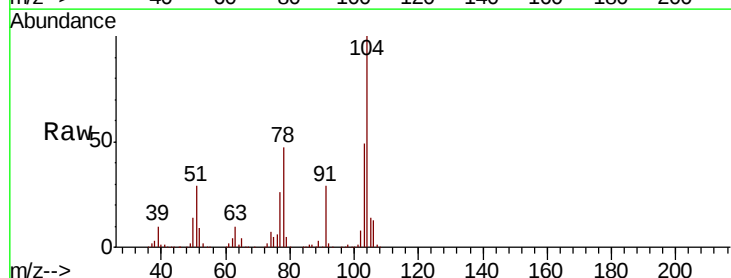


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

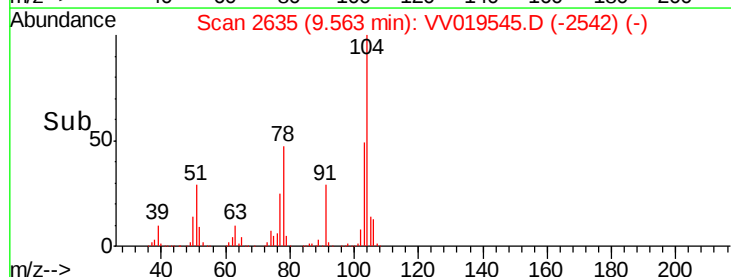
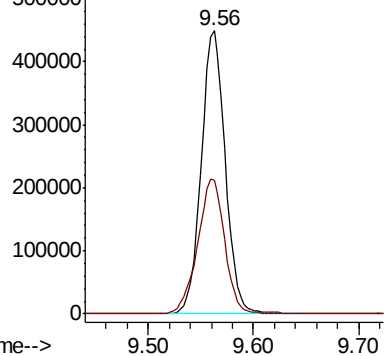


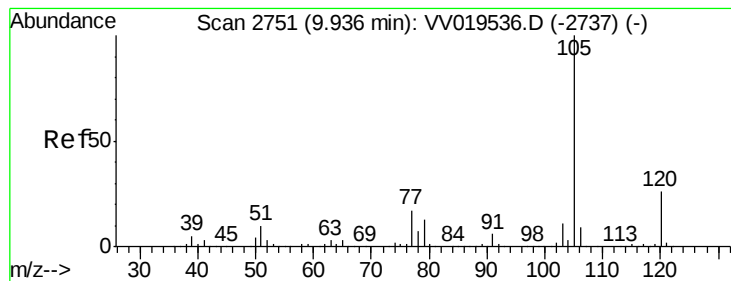
#55
Styrene
Concen: 48.950 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV019545.D
Acq: 12 Dec 2020 10:03

Tgt Ion:104 Resp: 707528
Ion Ratio Lower Upper
104 100
78 47.3 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.525 ug/L

RT: 9.93 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

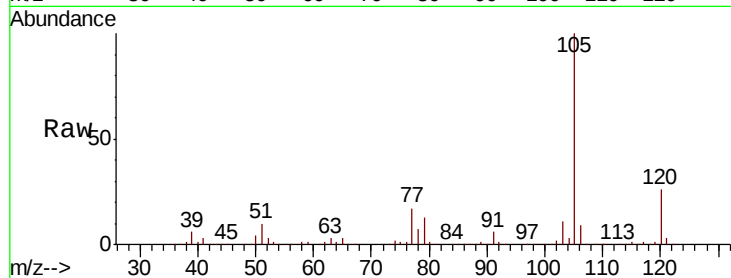
Tot Ion:105 Resp: 1094193

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

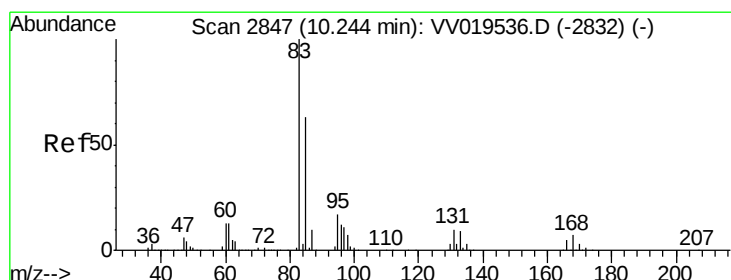
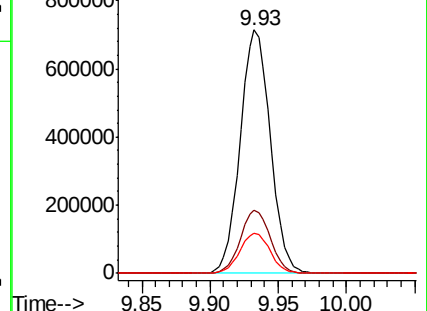
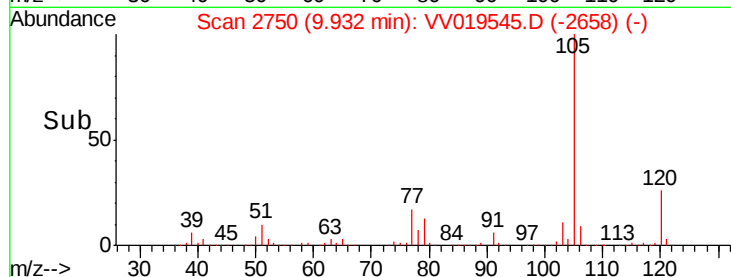
77 16.6 13.2 19.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.453 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

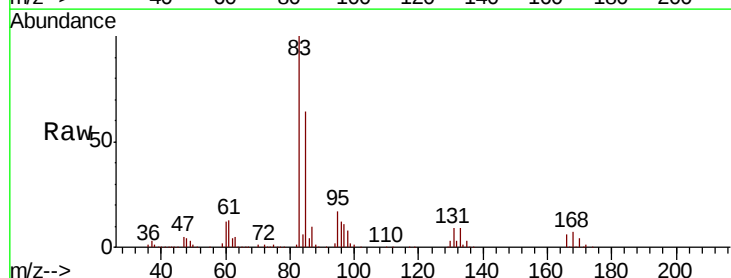
Tgt Ion: 83 Resp: 364440

Ion Ratio Lower Upper

83 100

85 63.7 44.9 83.5

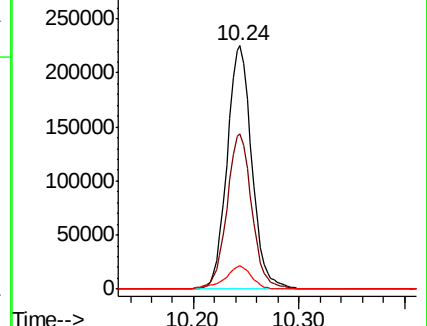
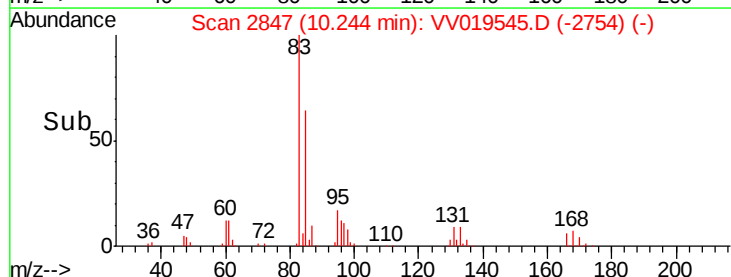
131 9.5 7.6 11.4

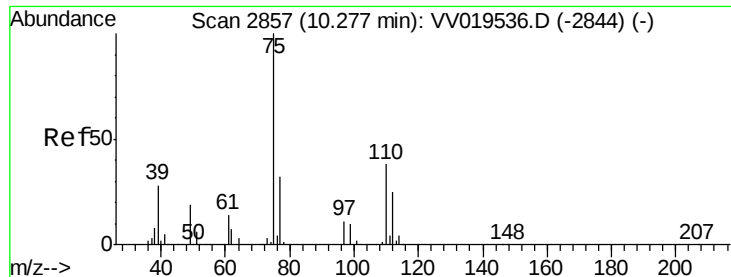


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.098 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

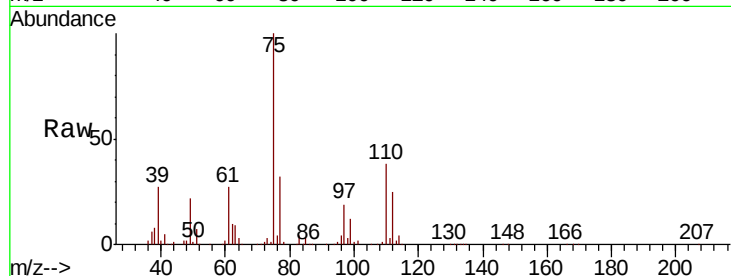
VSTD05084

Tot Ion: 75 Resp: 300786

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019536.D (-2844) (-)

Ion 77.00 (76.70 to 77.70): VV019536.D (-2844) (-)

10.28

200000

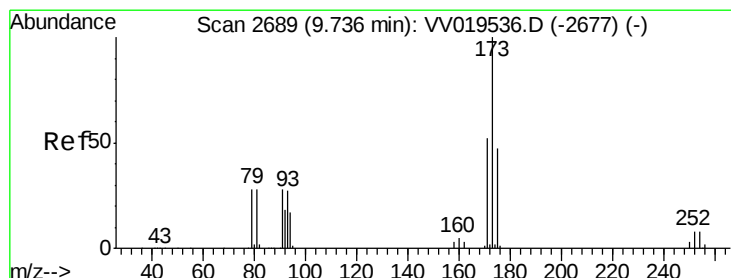
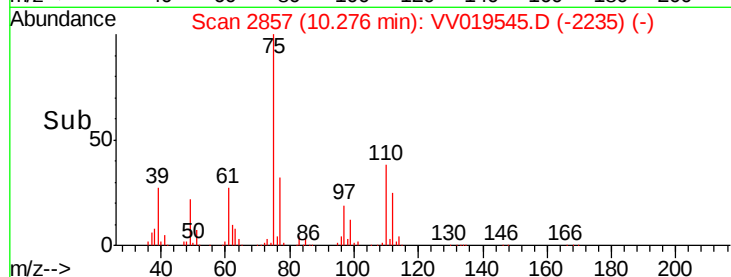
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 47.707 ug/L

RT: 9.73 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

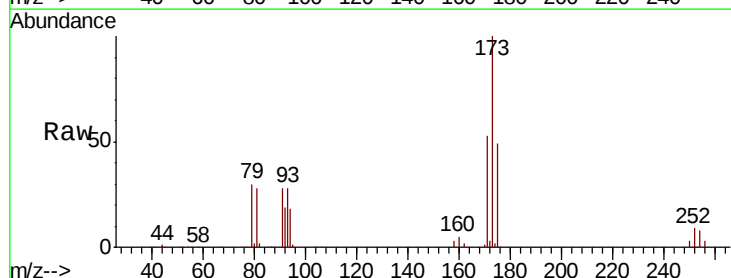
Tgt Ion: 173 Resp: 164555

Ion Ratio Lower Upper

173 100

175 48.2 38.4 57.6

254 7.7 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): VV019536.D (-2677) (-)

Ion 175.00 (174.70 to 175.70): VV019536.D (-2677) (-)

Ion 254.00 (253.70 to 254.70): VV019536.D (-2677) (-)

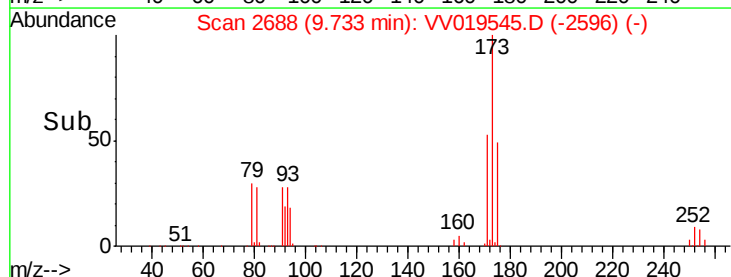
9.73

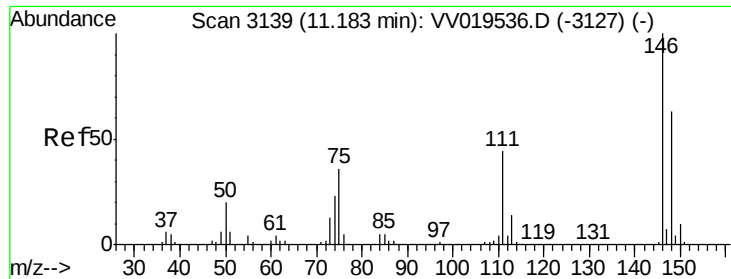
100000

50000

0

Time-->

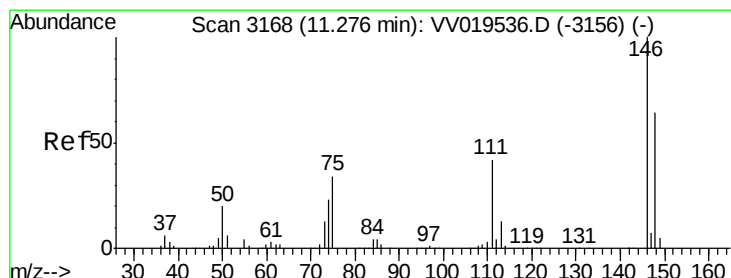
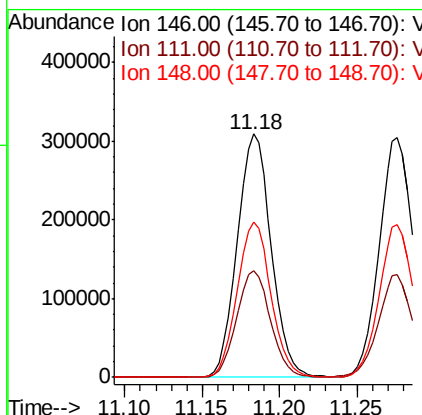
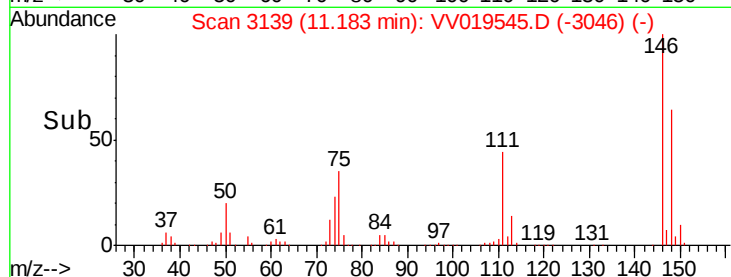
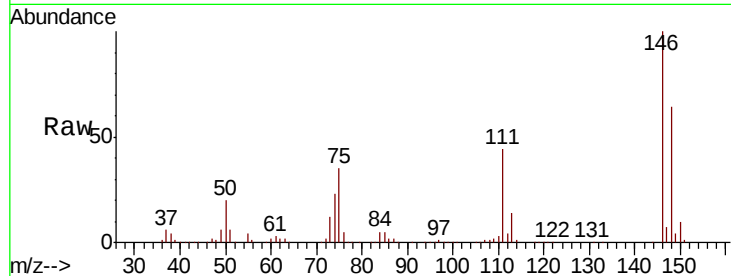




#62
 1,3-Dichlorobenzene
 Concen: 49.337 ug/L
 RT: 11.18 min Scan# 3139
 Delta R.T. -0.00 min
 Lab File: VV019545.D
 Acq: 12 Dec 2020 10:03

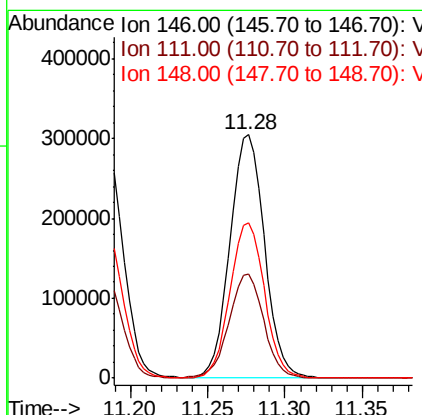
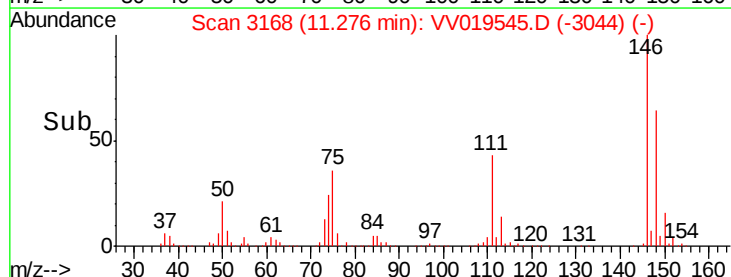
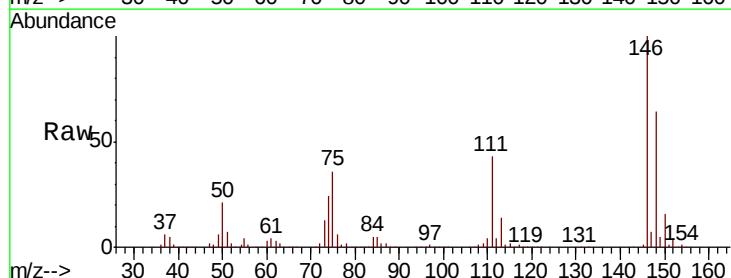
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

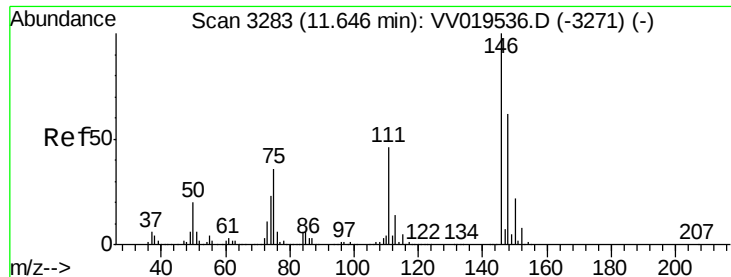
Tot Ion:146 Resp: 471873
 Ion Ratio Lower Upper
 146 100
 111 43.8 30.7 57.1
 148 63.6 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 48.566 ug/L
 RT: 11.28 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VV019545.D
 Acq: 12 Dec 2020 10:03

Tgt Ion:146 Resp: 470368
 Ion Ratio Lower Upper
 146 100
 111 42.6 29.8 55.4
 148 63.8 44.2 82.0

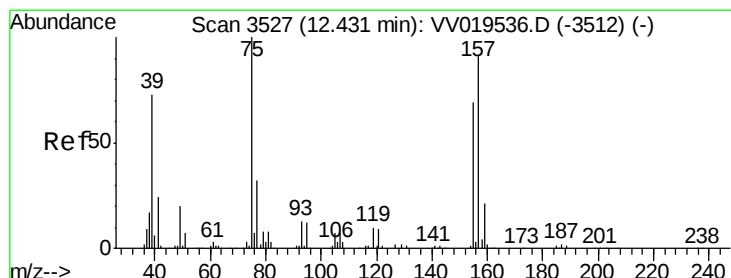
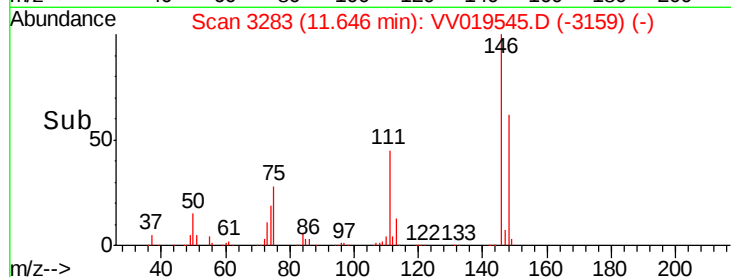
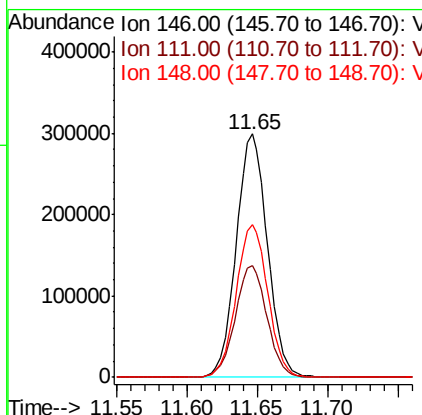
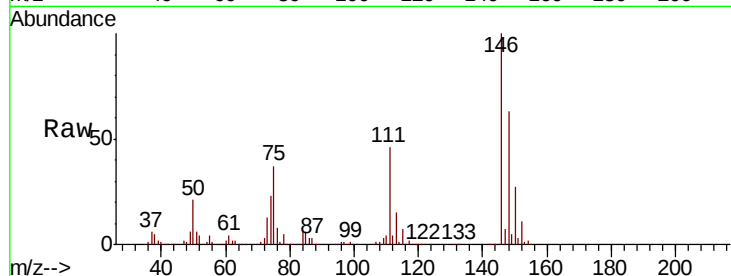




#65
 1,2-Dichlorobenzene
 Concen: 49.005 ug/L
 RT: 11.65 min Scan# 3283
 Delta R.T. -0.00 min
 Lab File: VV019545.D
 Acq: 12 Dec 2020 10:03

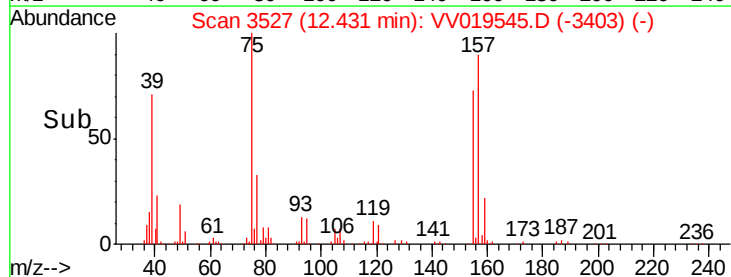
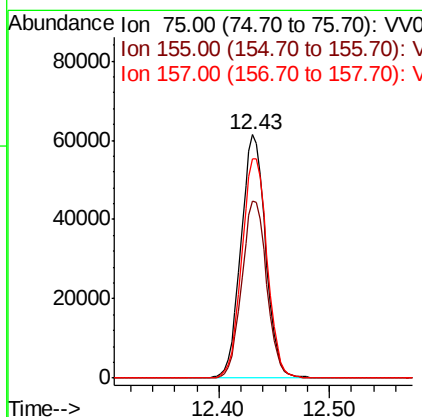
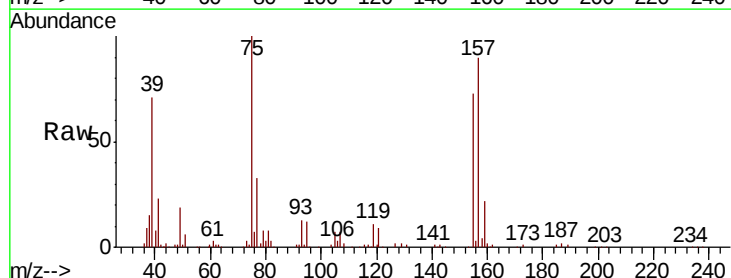
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

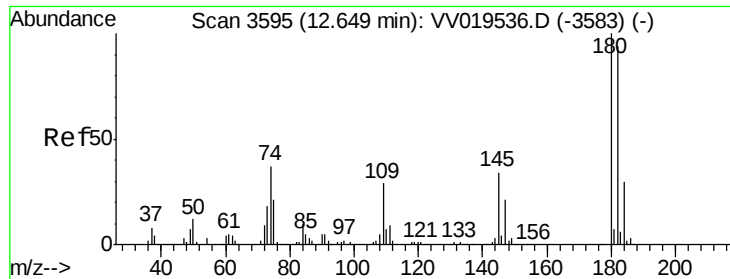
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	36.6	55.0
148	62.5	50.7	76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.150 ug/L
 RT: 12.43 min Scan# 3527
 Delta R.T. -0.00 min
 Lab File: VV019545.D
 Acq: 12 Dec 2020 10:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.8	61.1	91.7
157	89.9	78.7	118.1

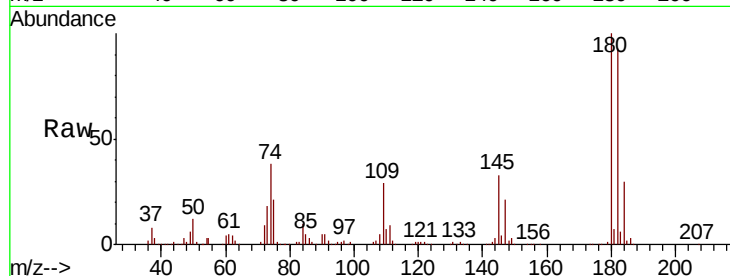




#67
 1,3,5-Trichlorobenzene
 Concen: 50.690 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VV019545.D
 Acq: 12 Dec 2020 10:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.6
184	29.9	23.9	35.9
145	33.1	26.2	39.2



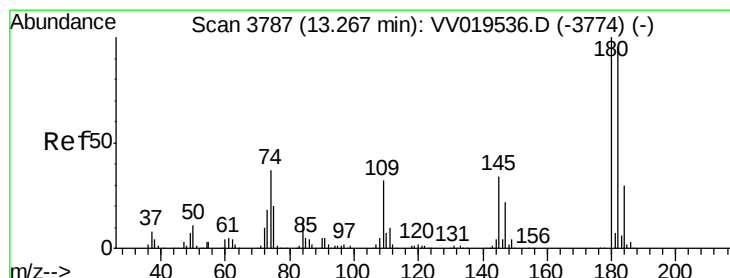
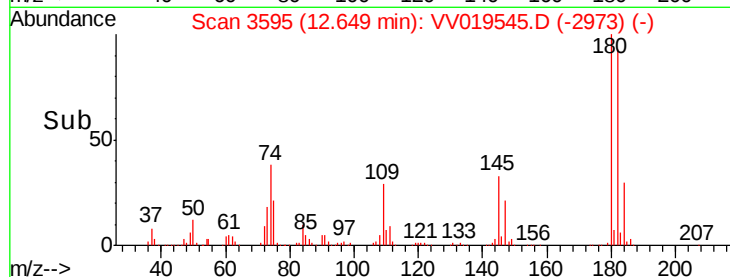
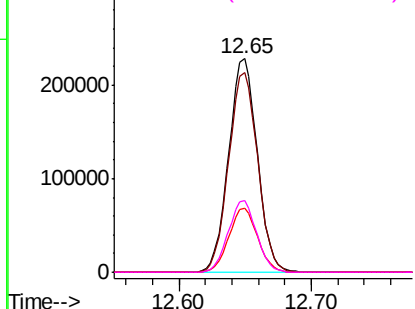
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

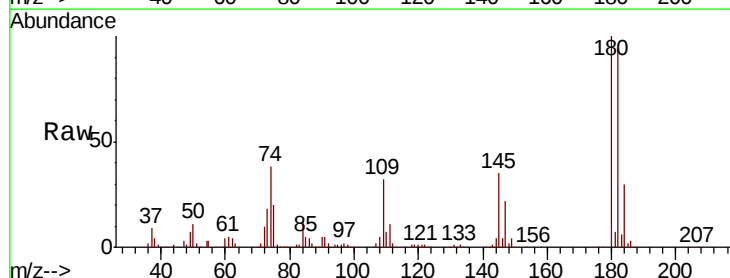
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.325 ug/L
 RT: 13.26 min Scan# 3786
 Delta R.T. -0.00 min
 Lab File: VV019545.D
 Acq: 12 Dec 2020 10:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.5	114.7
145	34.3	27.0	40.6

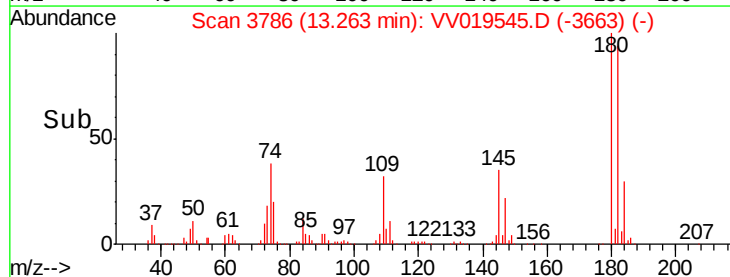
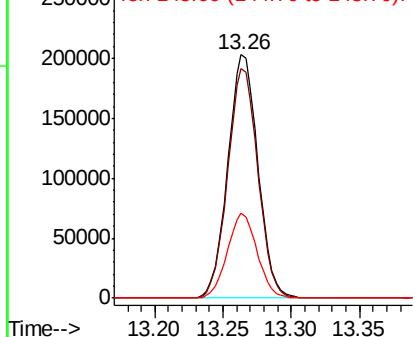


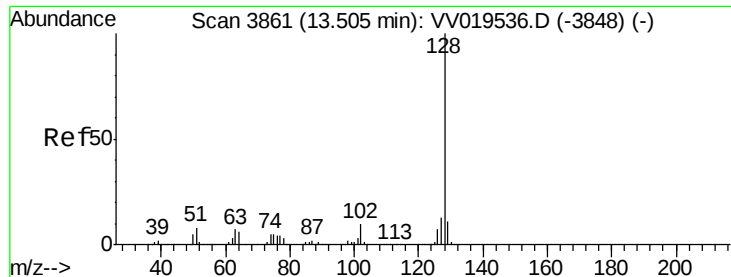
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.123 ug/L

RT: 13.50 min Scan# 3861

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

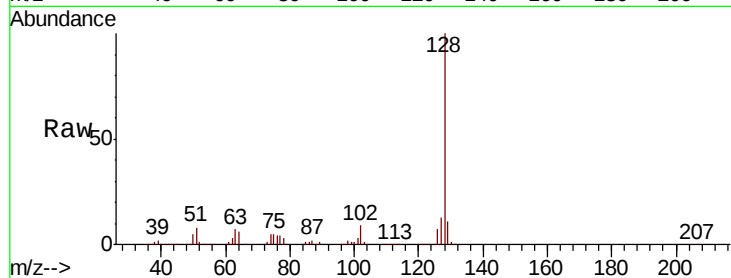
Tot Ion:128 Resp: 1077716

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

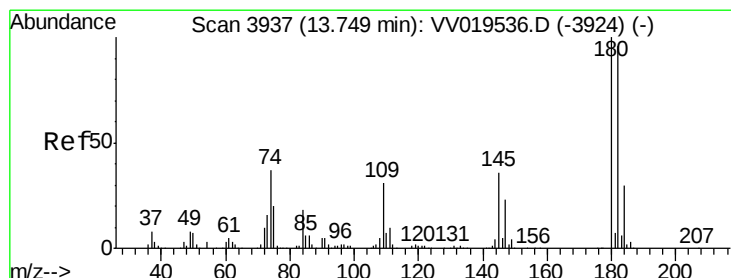
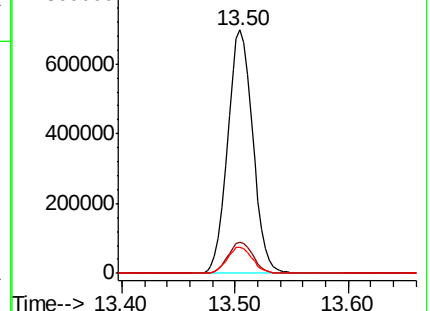
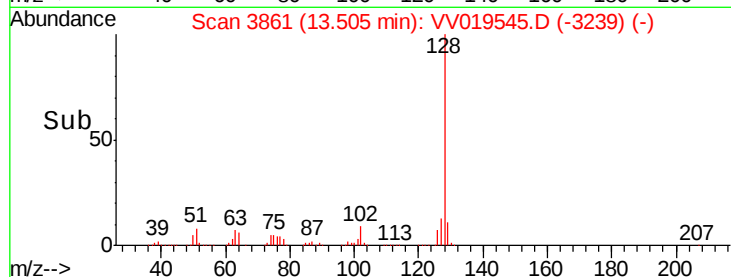
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.711 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. -0.00 min

Lab File: VV019545.D

Acq: 12 Dec 2020 10:03

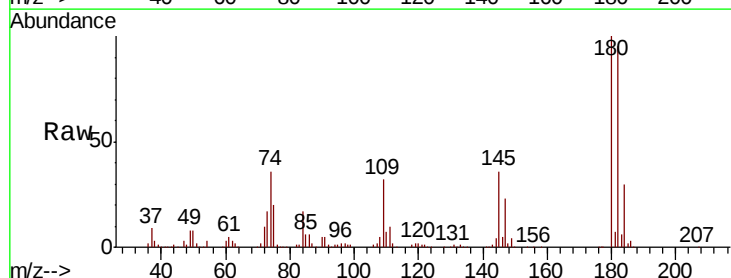
Tgt Ion:180 Resp: 306938

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

145 35.7 29.1 43.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

