

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103118\
 Data File : VV008497.D
 Acq On : 31 Oct 2018 15:55
 Operator : SY/MD
 Sample : VSTD20055
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20057

Quant Time: Oct 31 23:54:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM103118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 31 23:42:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	210517	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	198282	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	104351	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	275703	227.69	ug/L	0.00
7) Chloroethane-d5	1.55	69	96613	114.27	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	422534	198.52	ug/L	0.00
21) 2-Butanone-d5	3.94	46	525411	412.04	ug/L	0.00
24) Chloroform-d	4.41	84	595004	204.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	388391	199.89	ug/L	0.00
32) Benzene-d6	5.10	84	1164108	202.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	390749	196.52	ug/L	0.00
41) Toluene-d8	7.36	98	1072887	204.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	206951	213.76	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	425391	414.02	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	570125	210.62	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	424998	195.39	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	318264	209.497	ug/L	100
3) Chloromethane	1.25	50	316660	196.910	ug/L	99
5) Vinyl chloride	1.33	62	311006	208.446	ug/L	97
6) Bromomethane	1.51	94	76991	190.487	ug/L	97
8) Chloroethane	1.57	64	105869	133.912	ug/L	98
9) Trichlorofluoromethane	1.75	101	362692	191.195	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	192433	193.320	ug/L	99
12) 1,1-Dichloroethene	2.13	96	176486	188.184	ug/L	92
13) Acetone	2.20	43	402647	388.242	ug/L	99
14) Carbon disulfide	2.31	76	859909	202.496	ug/L	100
15) Methyl Acetate	2.46	43	367429	189.745	ug/L	100
16) Methylene chloride	2.53	84	307280	188.525	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	280488	196.025	ug/L	99
18) Methyl tert-butyl Ether	2.81	73	982555	192.583	ug/L	100
19) 1,1-Dichloroethane	3.23	63	561365	190.989	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	324197	198.884	ug/L	100
22) 2-Butanone	4.02	43	580707	399.572	ug/L	99
23) Bromochloromethane	4.30	128	150199	195.960	ug/L	96
25) Chloroform	4.43	83	555398	193.286	ug/L	99
27) 1,2-Dichloroethane	5.18	62	450006	188.435	ug/L	100
29) Cyclohexane	4.73	56	547553	190.887	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	489780	192.133	ug/L	99
31) Carbon tetrachloride	4.88	117	422758	195.238	ug/L	99
33) Benzene	5.15	78	1210414	188.176	ug/L	100
34) Trichloroethene	5.96	95	314182	190.705	ug/L	99
35) Methylcyclohexane	6.18	83	545324	194.365	ug/L	99
37) 1,2-Dichloropropane	6.23	63	336751	189.236	ug/L	99
38) Bromodichloromethane	6.56	83	434768	192.159	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	546533	195.749	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	1027060	389.602	ug/L	100

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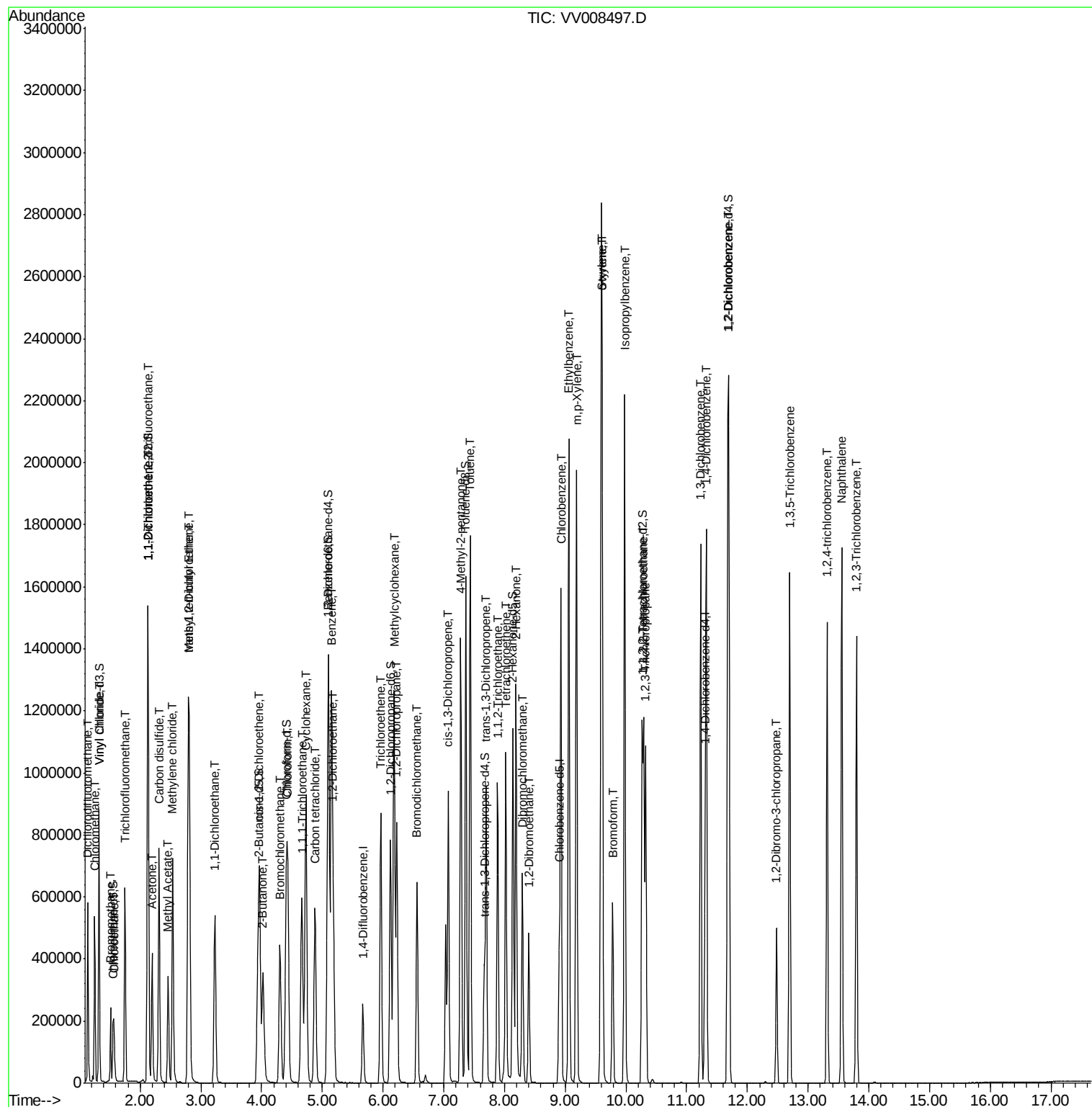
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	1262712	189.524	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	513939	196.513	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	297515	189.910	ug/L	98
46) Tetrachloroethene	8.02	164	218304	201.898	ug/L	99
48) 2-Hexanone	8.19	43	853297	413.263	ug/L	98
49) Dibromochloromethane	8.30	129	340212	201.844	ug/L	98
50) 1,2-Dibromoethane	8.40	107	317756	193.340	ug/L	99
51) Chlorobenzene	8.93	112	801263	194.596	ug/L	99
52) Ethylbenzene	9.06	91	1449115	193.756	ug/L	100
53) m,p-Xylene	9.19	106	541177	197.051	ug/L	99
54) o-xylene	9.59	106	528920	192.997	ug/L	99
55) Styrene	9.61	104	934296	202.534	ug/L	99
56) Isopropylbenzene	9.98	105	1420181	198.103	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	551414	199.881	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	445716	199.208	ug/L	99
61) Bromoform	9.78	173	253807	194.693	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	659657	191.913	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	657223	191.125	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	649551	185.588	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	135263	189.562	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	460298	204.642	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	404409	223.898	ug/L	99
69) Naphthalene	13.55	128	1284990	221.758	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	391757	216.509	ug/L	99

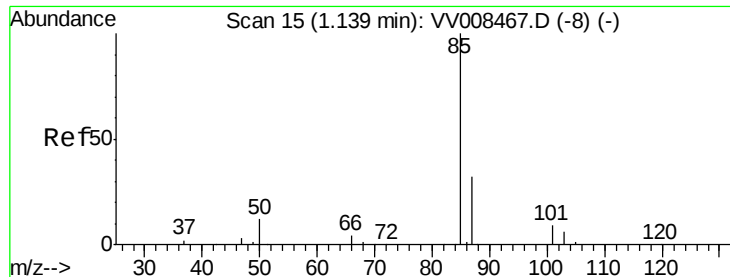
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 209.497 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampleId :

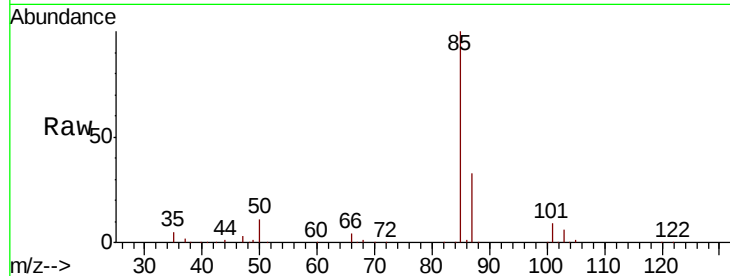
VSTD20057

Tgt Ion: 85 Resp: 318264

Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV008467.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008467.D (-8) (-)

1.14

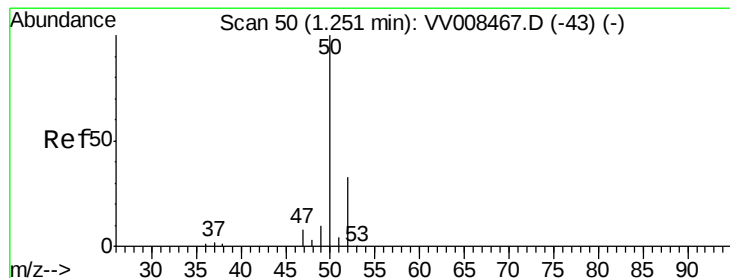
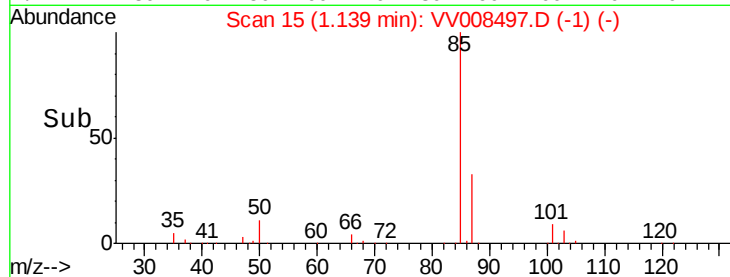
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 196.910 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV008497.D

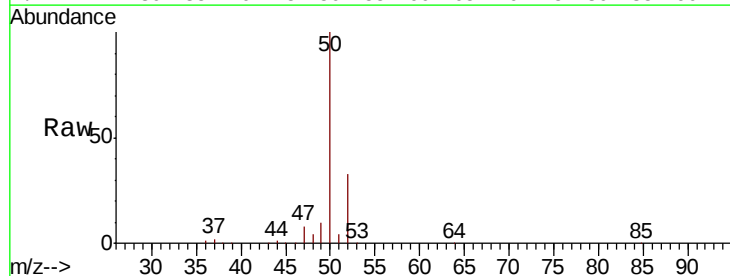
Acq: 31 Oct 2018 15:55

Tgt Ion: 50 Resp: 316660

Ion Ratio Lower Upper

50 100

52 32.8 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV008467.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008467.D (-43) (-)

1.25

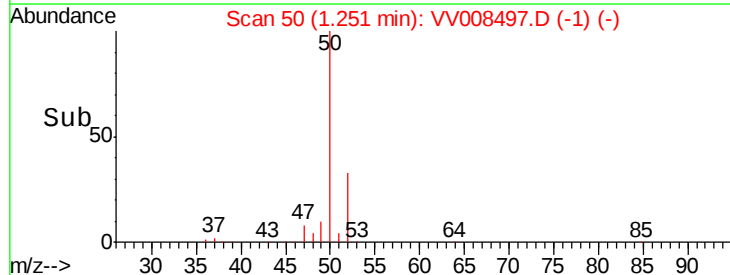
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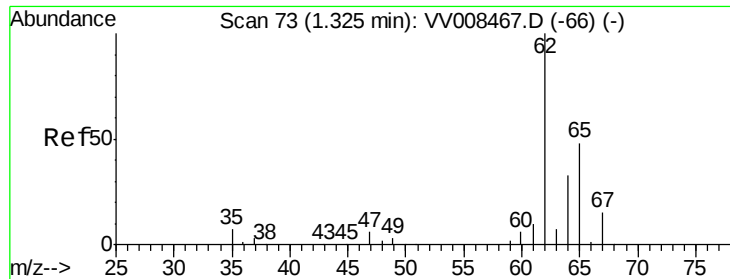
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 208.446 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampleId :

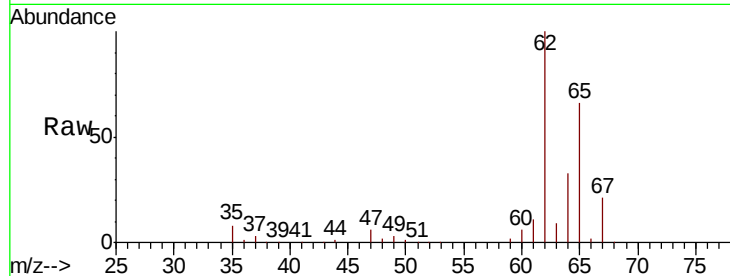
VSTD20057

Tgt Ion: 62 Resp: 311006

Ion Ratio Lower Upper

62 100

64 32.8 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VV008467.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV008467.D (-66) (-)

1.33

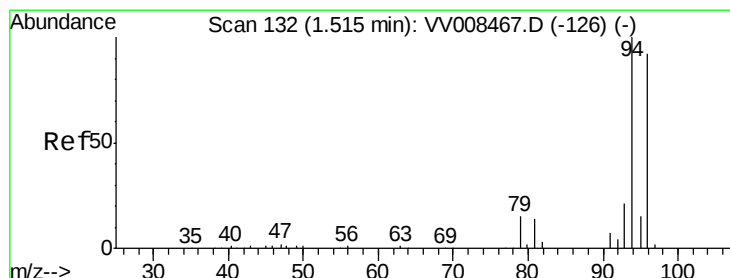
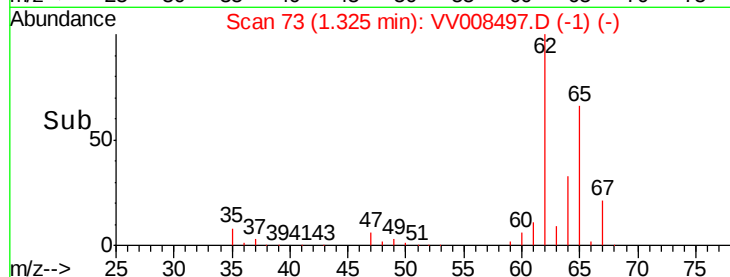
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 190.487 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV008497.D

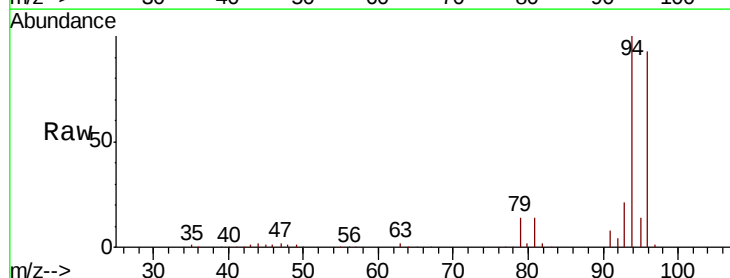
Acq: 31 Oct 2018 15:55

Tgt Ion: 94 Resp: 76991

Ion Ratio Lower Upper

94 100

96 93.4 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV008467.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV008467.D (-126) (-)

1.51

100000

80000

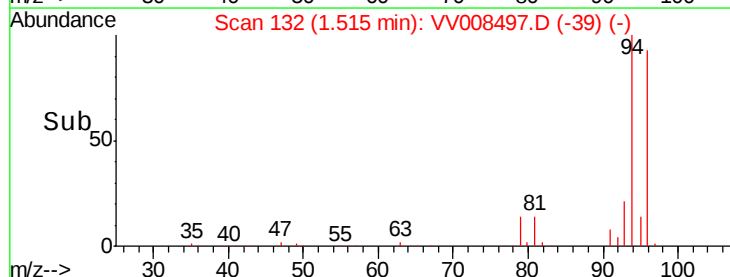
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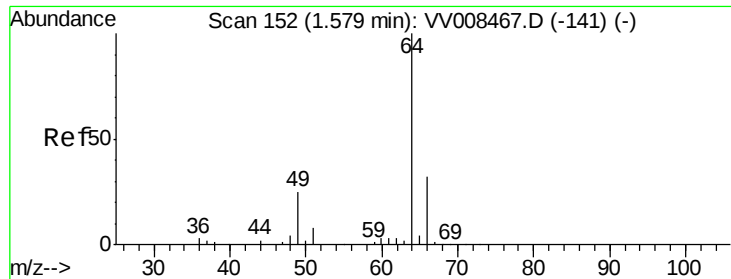
40000

20000

0

Time-->





#8

Chloroethane

Concen: 133.912 ug/L

RT: 1.57 min Scan# 149

Delta R.T. -0.01 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampleId :

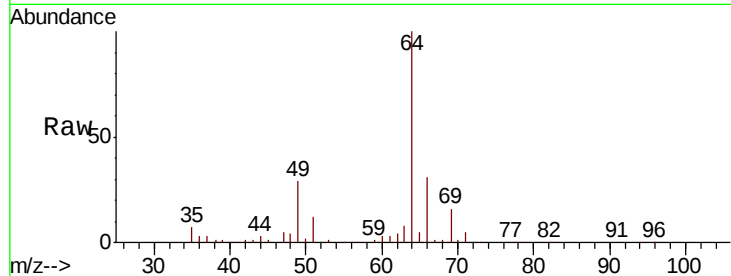
VSTD20057

Tgt Ion: 64 Resp: 105869

Ion Ratio Lower Upper

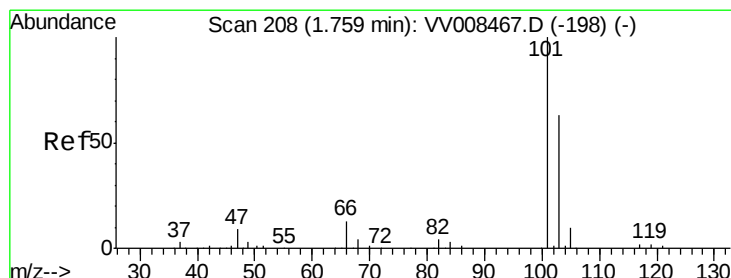
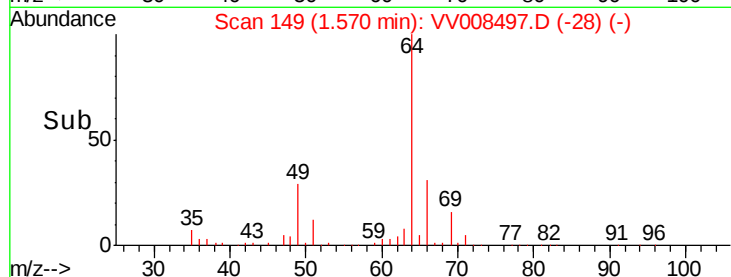
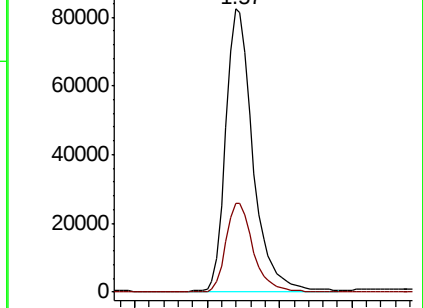
64 100

66 31.4 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV008467.D (-141) (-)

Ion 66.00 (65.70 to 66.70): VV008467.D (-141) (-)



#9

Trichlorofluoromethane

Concen: 191.195 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.01 min

Lab File: VV008497.D

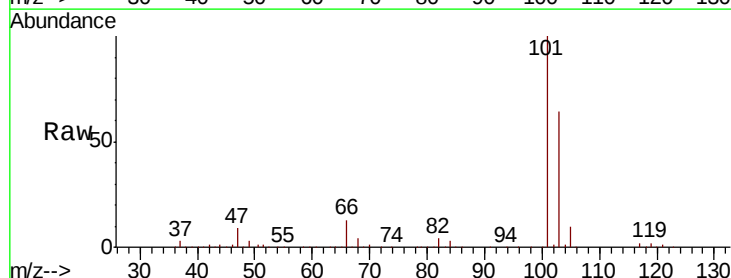
Acq: 31 Oct 2018 15:55

Tgt Ion: 101 Resp: 362692

Ion Ratio Lower Upper

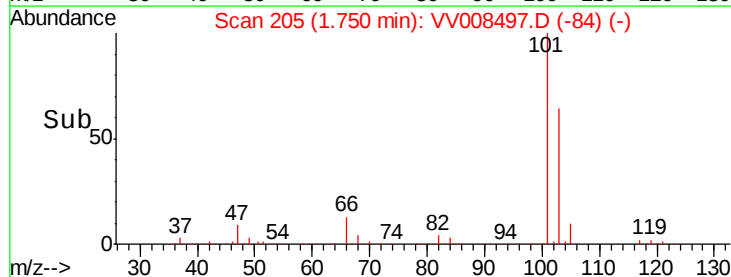
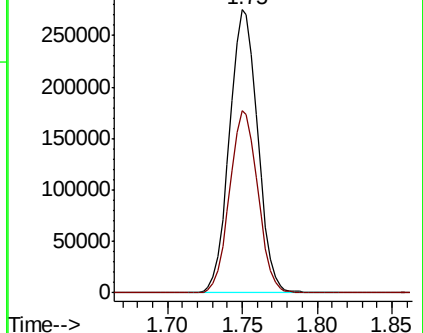
101 100

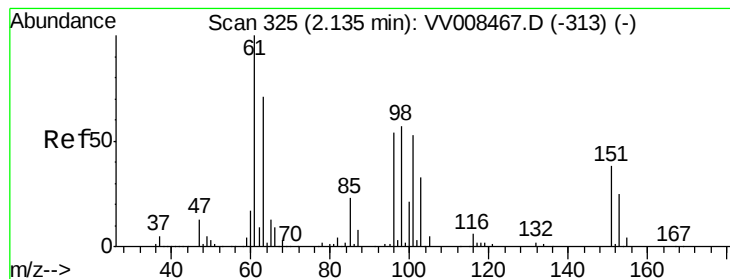
103 64.2 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VV008467.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV008467.D (-198) (-)





#10

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

Concen: 193.320 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD20057

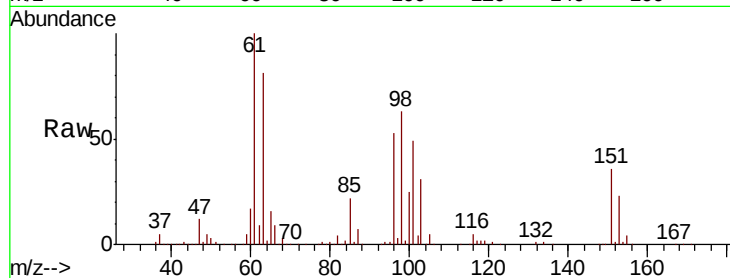
Tgt Ion: 101 Resp: 192433

Ion Ratio Lower Upper

101 100

85 44.6 35.6 53.4

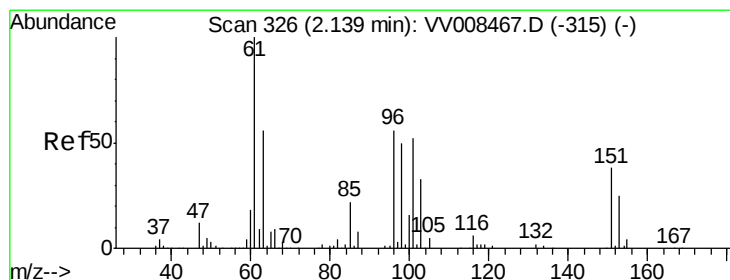
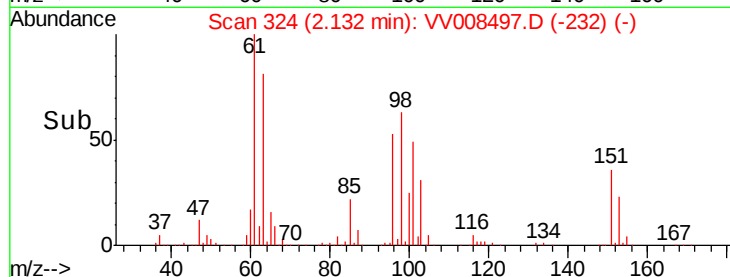
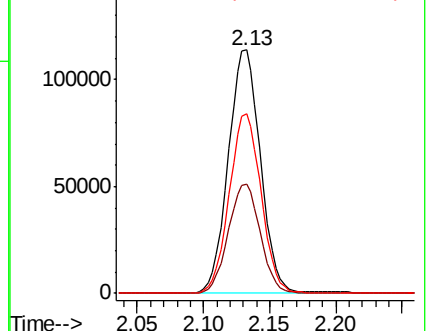
151 72.9 57.8 86.8



Abundance Ion 101.00 (100.70 to 101.70): VV008497.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV008497.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV008497.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 188.184 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

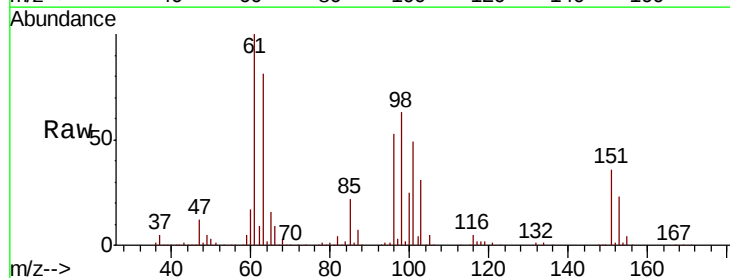
Tgt Ion: 96 Resp: 176486

Ion Ratio Lower Upper

96 100

61 187.3 129.8 241.2

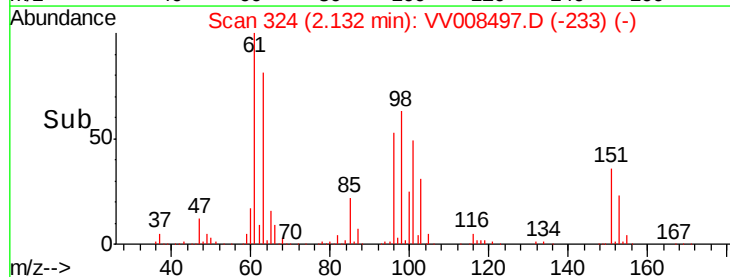
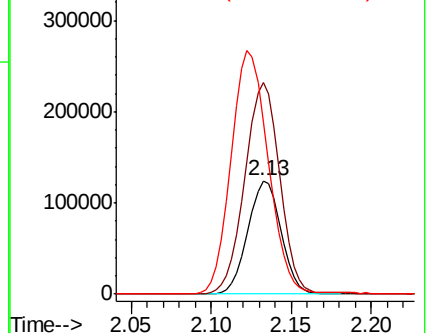
63 152.3 93.0 172.6

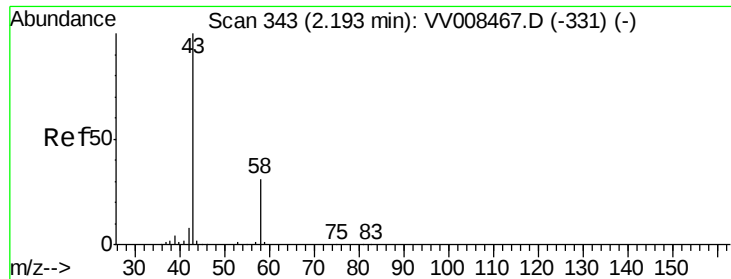


Abundance Ion 96.00 (95.70 to 96.70): VV008497.D (-233) (-)

Ion 61.00 (60.70 to 61.70): VV008497.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV008497.D (-233) (-)





#13

Acetone

Concen: 388.242 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

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ClientSampleId :

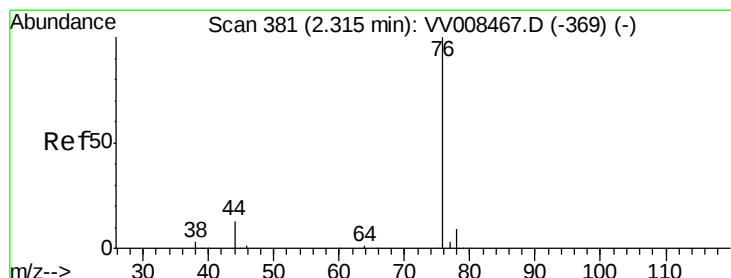
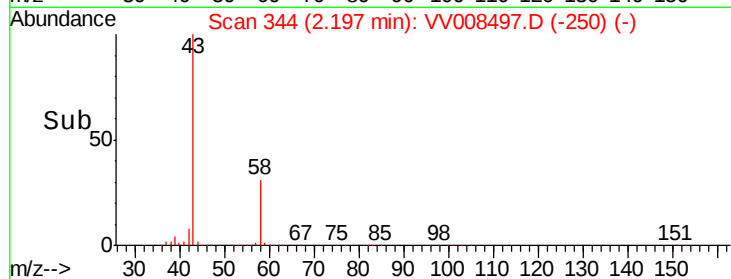
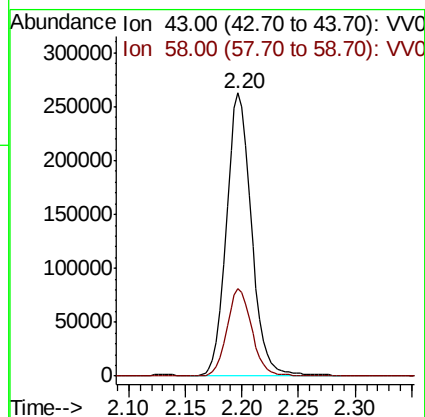
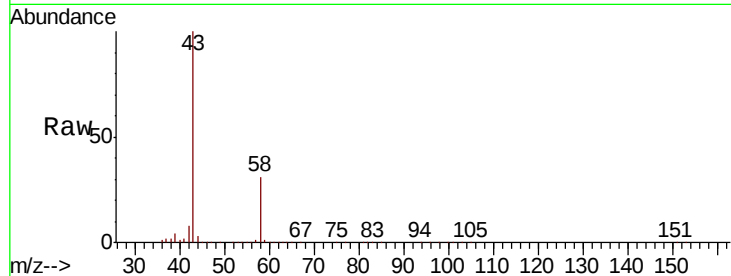
VSTD20057

Tgt Ion: 43 Resp: 402647

Ion Ratio Lower Upper

43 100

58 31.0 0.0 61.4



#14

Carbon disulfide

Concen: 202.496 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV008497.D

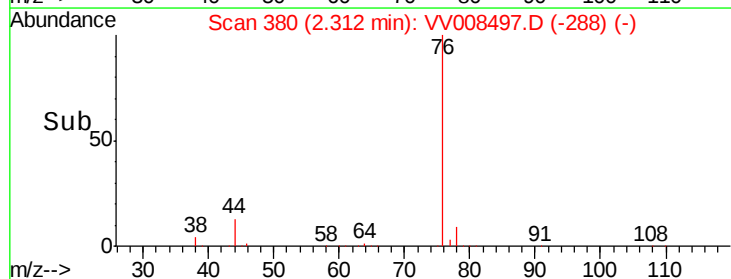
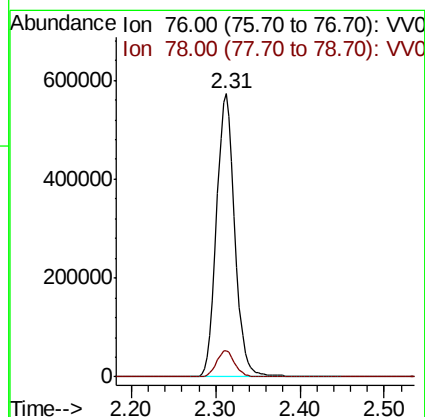
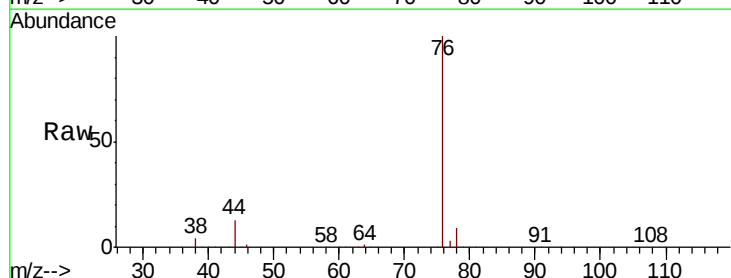
Acq: 31 Oct 2018 15:55

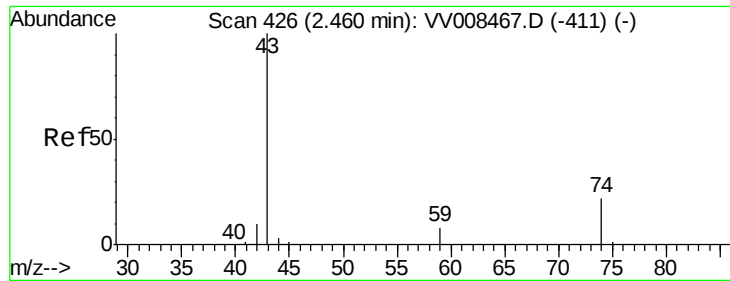
Tgt Ion: 76 Resp: 859909

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

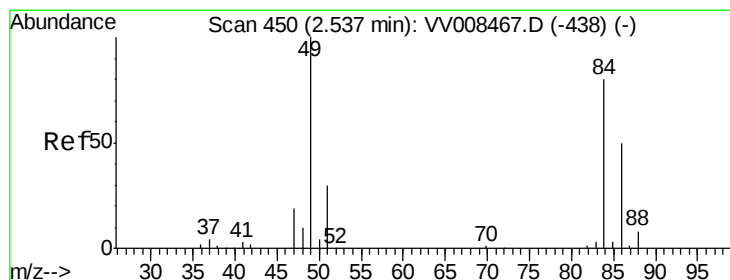
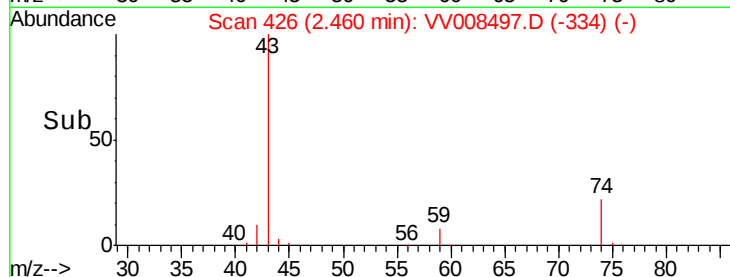
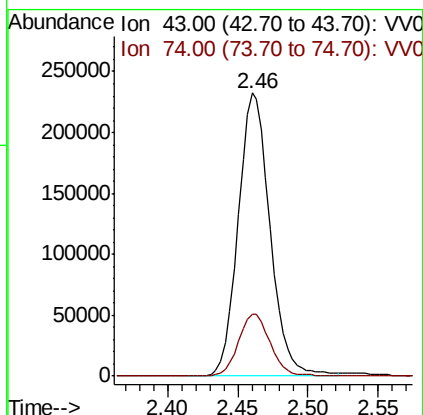
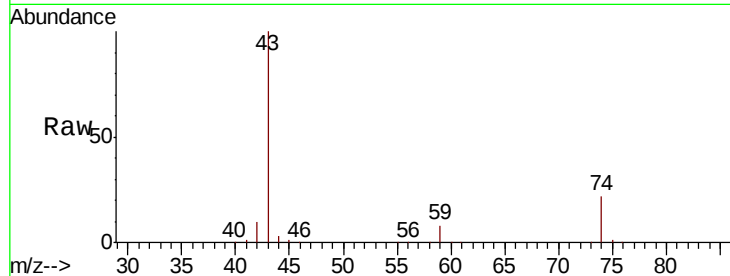




#15
Methyl Acetate
Concen: 189.745 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV008497.D
Acq: 31 Oct 2018 15:55

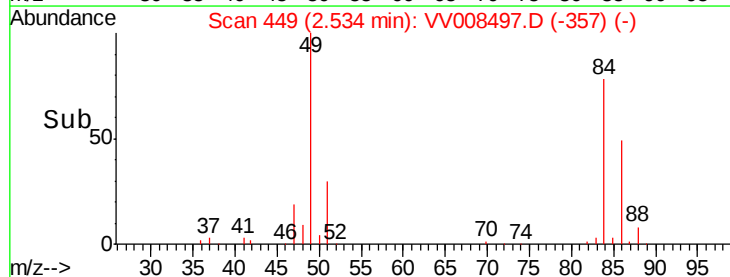
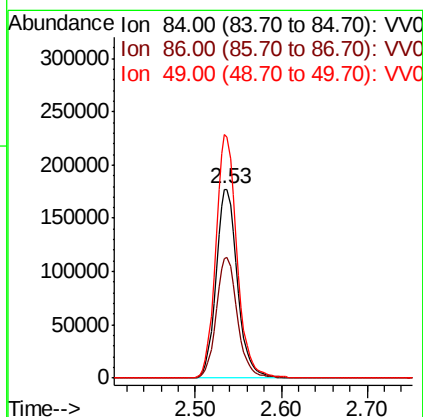
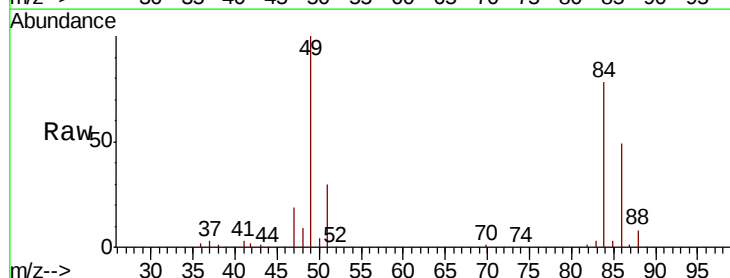
Instrument :
MSVOA_V
ClientSampleId :
VSTD20057

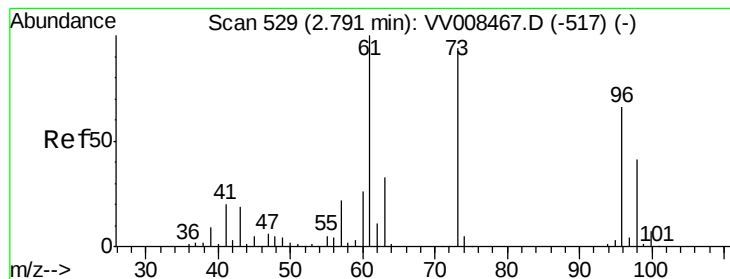
Tgt Ion: 43 Resp: 367429
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.6



#16
Methylene chloride
Concen: 188.525 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008497.D
Acq: 31 Oct 2018 15:55

Tgt Ion: 84 Resp: 307280
Ion Ratio Lower Upper
84 100
86 63.6 42.8 79.4
49 129.0 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 196.025 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD20057

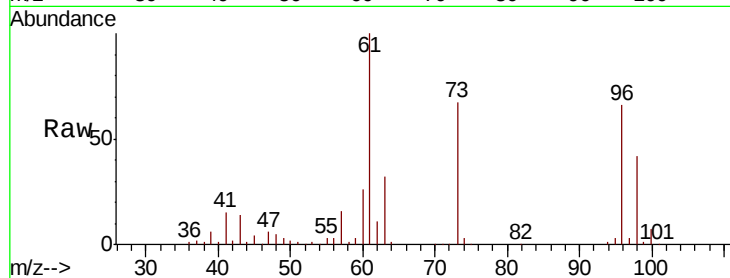
Tgt Ion: 96 Resp: 280488

Ion Ratio Lower Upper

96 100

61 152.5 105.5 195.9

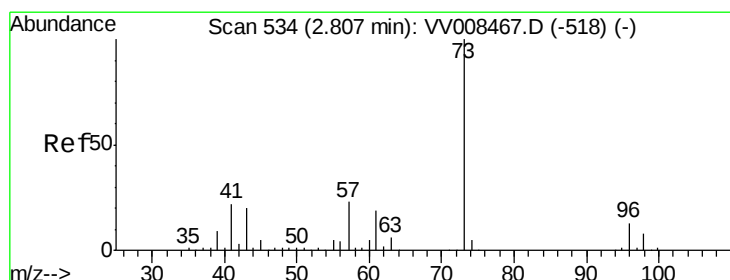
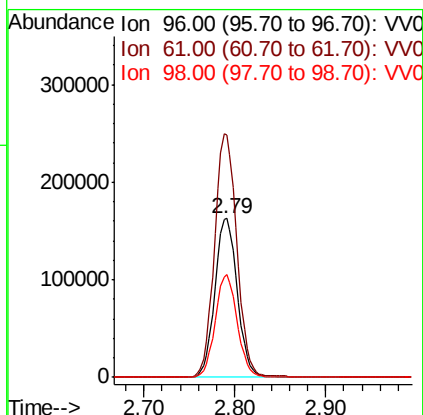
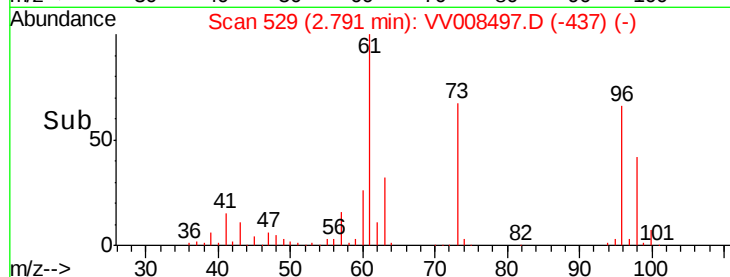
98 64.2 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VV008497.D (-437) (-)

Ion 61.00 (60.70 to 61.70): VV008497.D (-437) (-)

Ion 98.00 (97.70 to 98.70): VV008497.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 192.583 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

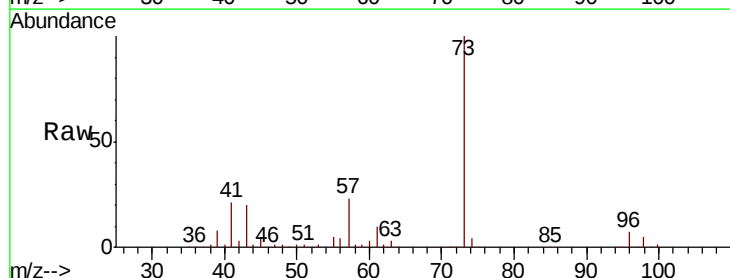
Tgt Ion: 73 Resp: 982555

Ion Ratio Lower Upper

73 100

43 19.8 15.6 23.4

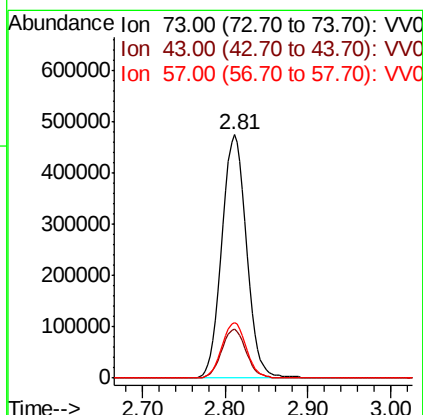
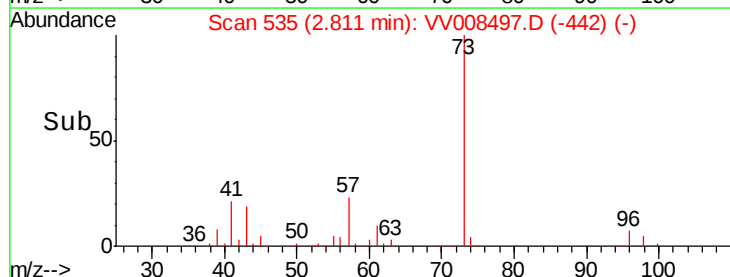
57 22.5 18.0 27.0

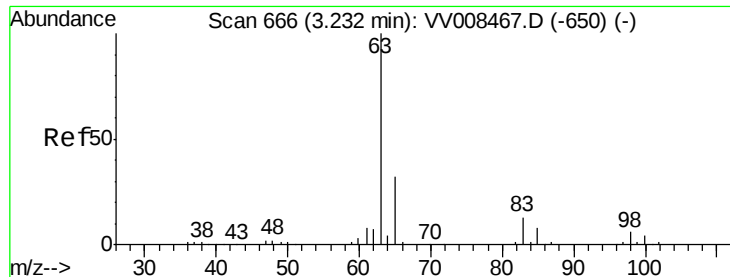


Abundance Ion 73.00 (72.70 to 73.70): VV008497.D (-442) (-)

Ion 43.00 (42.70 to 43.70): VV008497.D (-442) (-)

Ion 57.00 (56.70 to 57.70): VV008497.D (-442) (-)

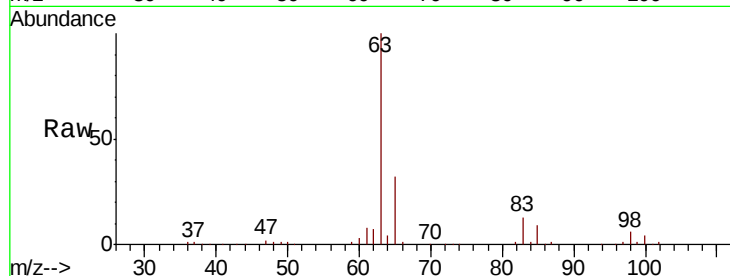




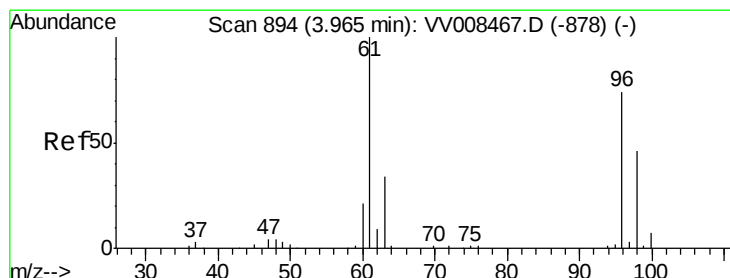
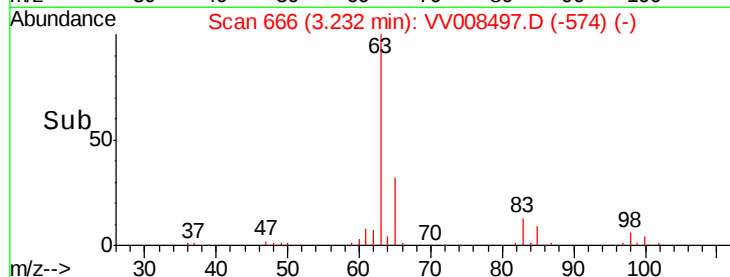
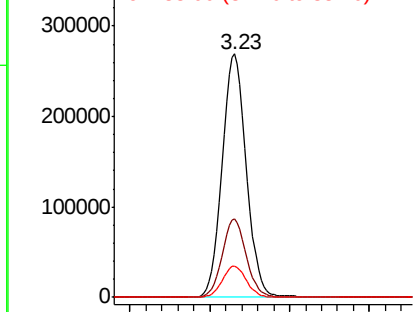
#19
 1,1-Dichloroethane
 Concen: 190.989 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008497.D
 Acq: 31 Oct 2018 15:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20057

Tgt Ion: 63 Resp: 561365
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.3 41.5
 83 13.0 9.0 16.6

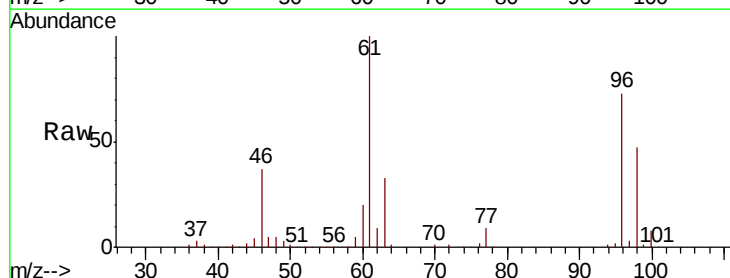


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

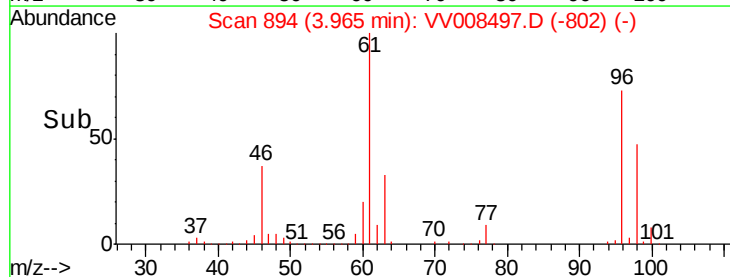
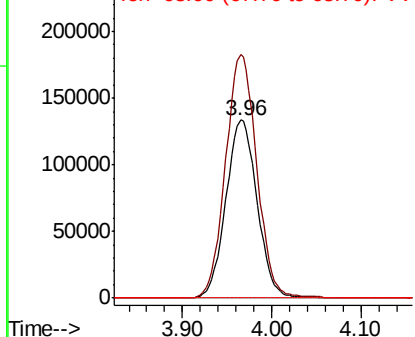


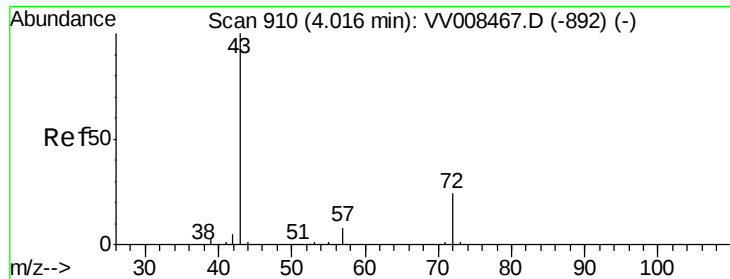
#20
 cis-1,2-Dichloroethene
 Concen: 198.884 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV008497.D
 Acq: 31 Oct 2018 15:55

Tgt Ion: 96 Resp: 324197
 Ion Ratio Lower Upper
 96 100
 61 137.0 96.3 178.9
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 399.572 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampleId :

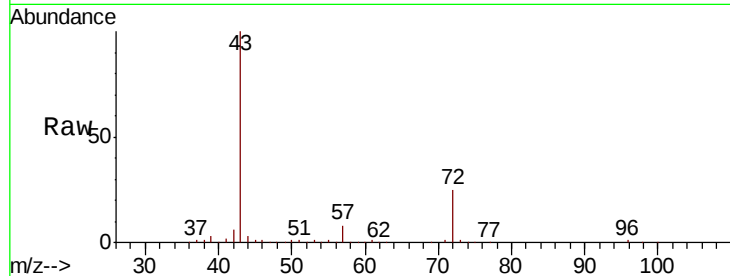
VSTD20057

Tgt Ion: 43 Resp: 580707

Ion Ratio Lower Upper

43 100

72 25.6 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV008497.D (-912) (-)

Ion 72.00 (71.70 to 72.70): VV008497.D (-912) (-)

4.02

250000

200000

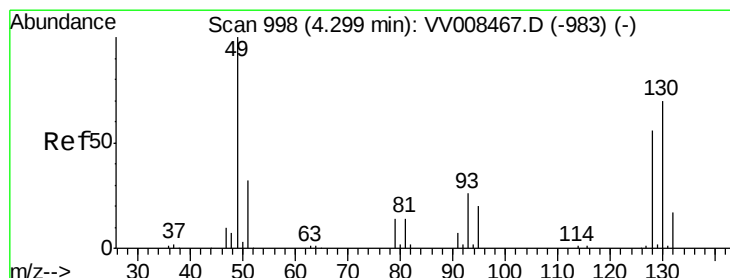
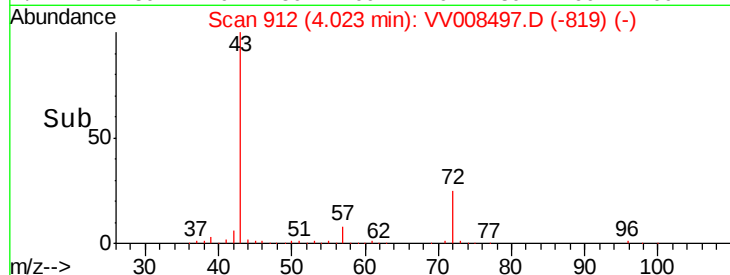
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 195.960 ug/L

RT: 4.30 min Scan# 999

Delta R.T. -0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Tgt Ion: 128 Resp: 150199

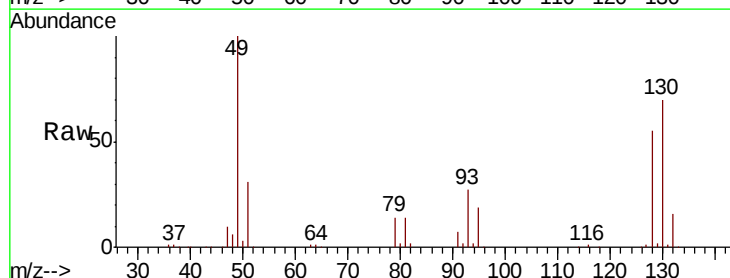
Ion Ratio Lower Upper

128 100

49 180.4 129.4 240.4

130 125.6 92.1 171.1

51 56.8 47.4 71.2



Abundance Ion 128.00 (127.70 to 128.70): VV008497.D (-998) (-)

Ion 49.00 (48.70 to 49.70): VV008497.D (-998) (-)

Ion 130.00 (129.70 to 130.70): VV008497.D (-998) (-)

Ion 51.00 (50.70 to 51.70): VV008497.D (-998) (-)

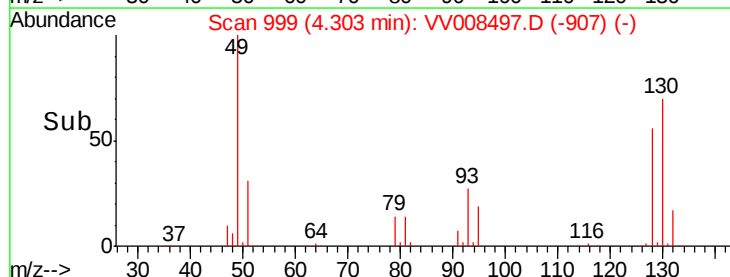
150000

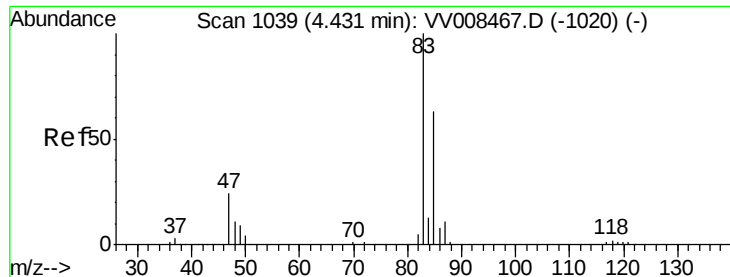
100000

50000

0

Time-->

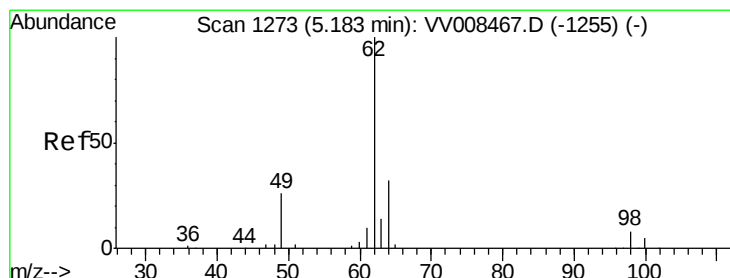
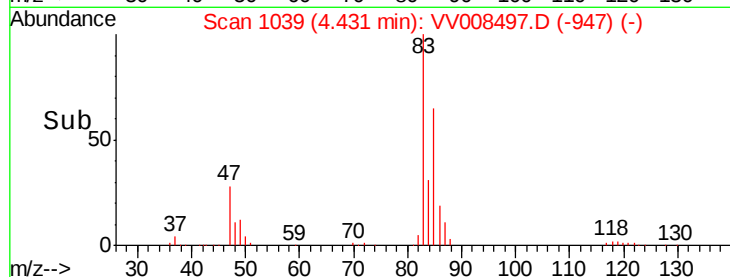
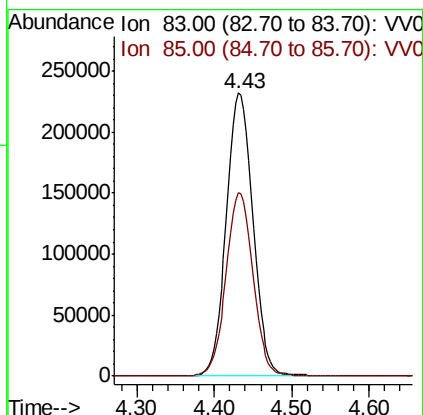
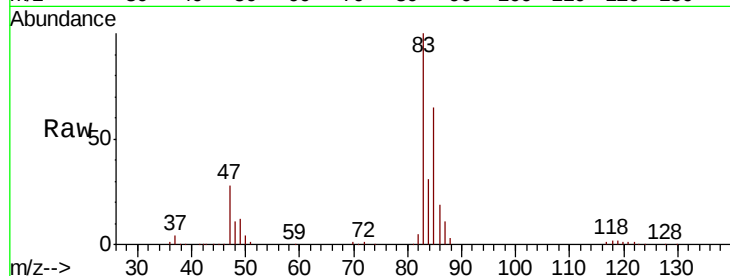




#25
Chloroform
Concen: 193.286 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008497.D
Acq: 31 Oct 2018 15:55

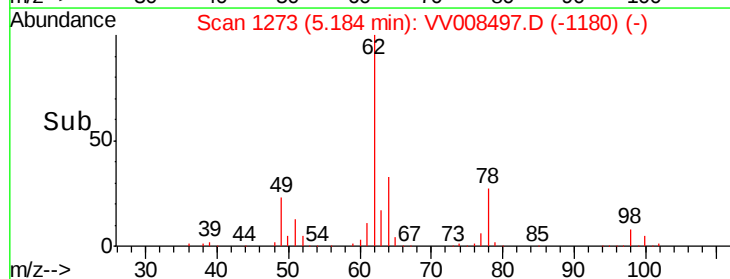
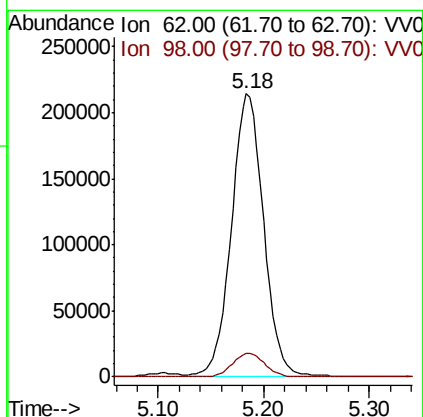
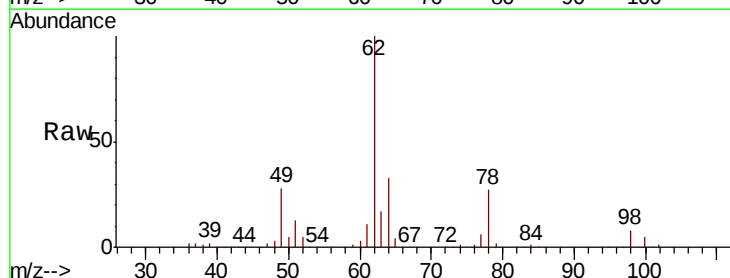
Instrument :
MSVOA_V
ClientSampleId :
VSTD20057

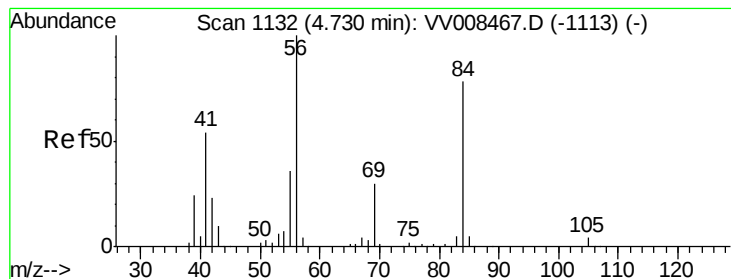
Tgt Ion: 83 Resp: 555398
Ion Ratio Lower Upper
83 100
85 64.8 45.9 85.3



#27
1,2-Dichloroethane
Concen: 188.435 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008497.D
Acq: 31 Oct 2018 15:55

Tgt Ion: 62 Resp: 450006
Ion Ratio Lower Upper
62 100
98 8.4 6.8 10.2





#29

Cyclohexane

Concen: 190.887 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD20057

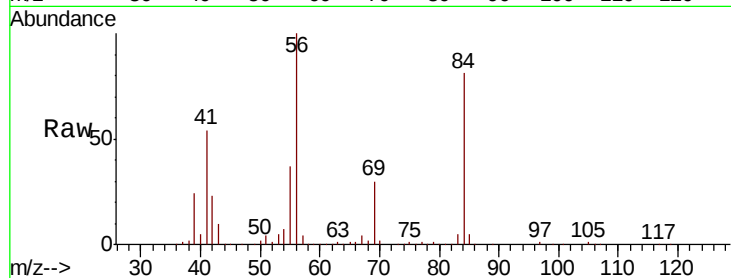
Tgt Ion: 56 Resp: 547553

Ion Ratio Lower Upper

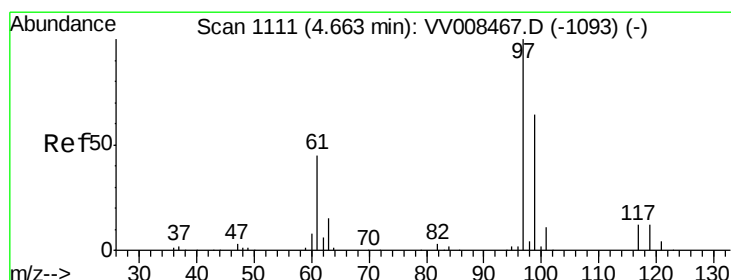
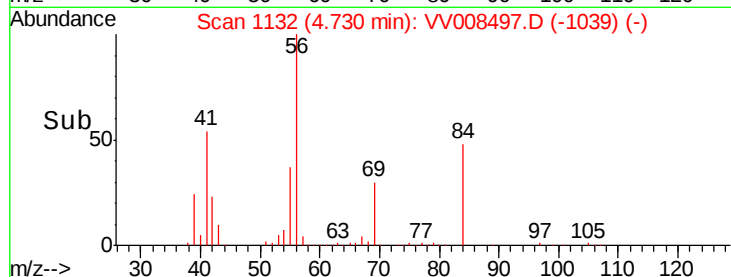
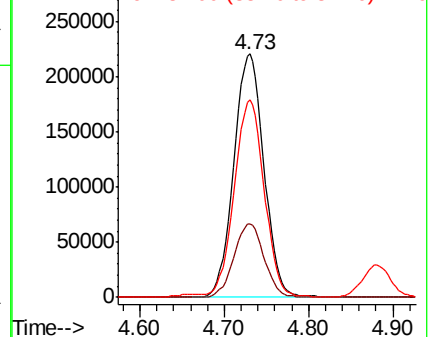
56 100

69 30.3 24.2 36.2

84 81.1 65.6 98.4



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: 192.133 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

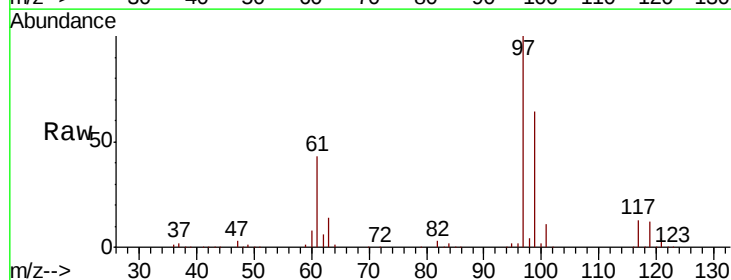
Tgt Ion: 97 Resp: 489780

Ion Ratio Lower Upper

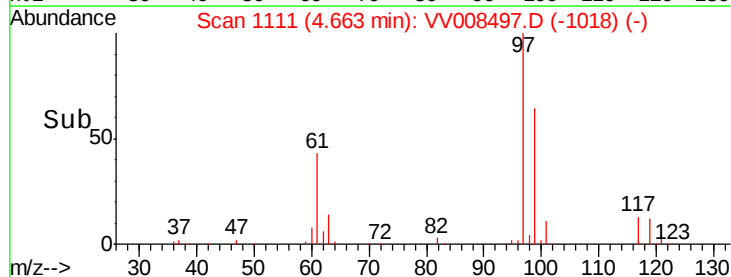
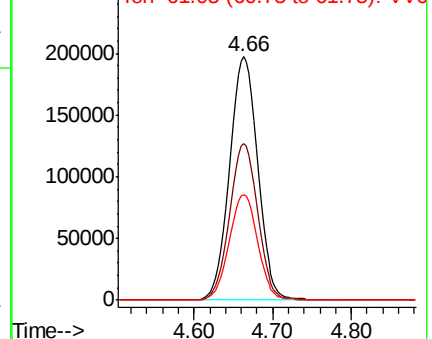
97 100

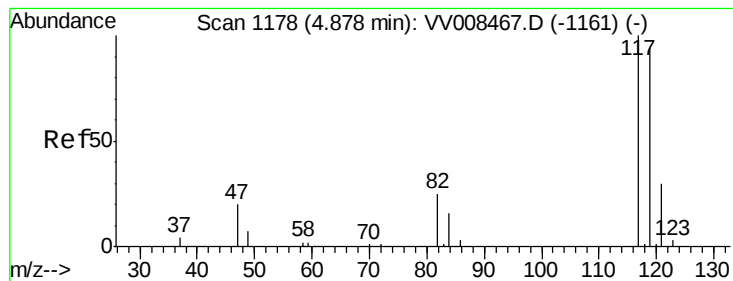
99 64.2 51.8 77.6

61 44.0 36.2 54.2



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: 195.238 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampleId :

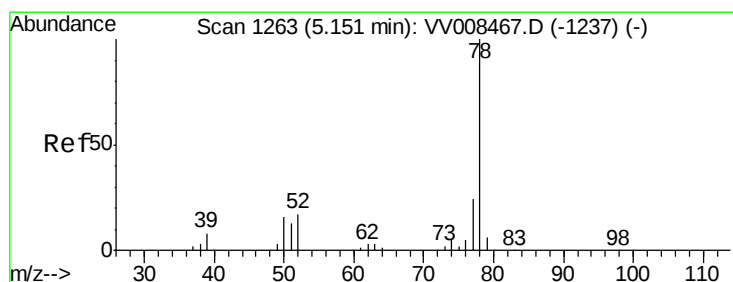
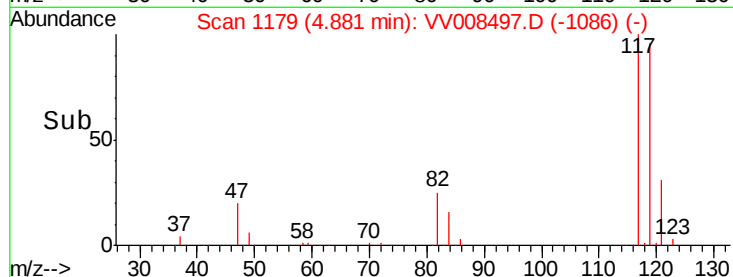
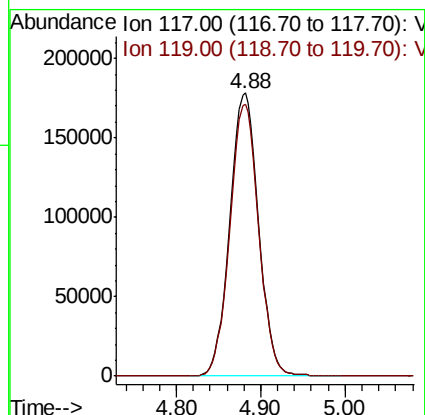
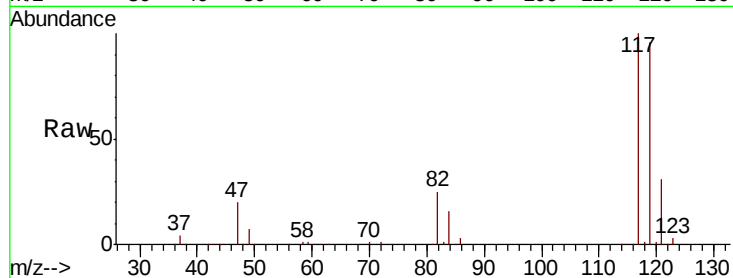
VSTD20057

Tgt Ion:117 Resp: 422758

Ion Ratio Lower Upper

117 100

119 96.4 76.5 114.7



#33

Benzene

Concen: 188.176 ug/L

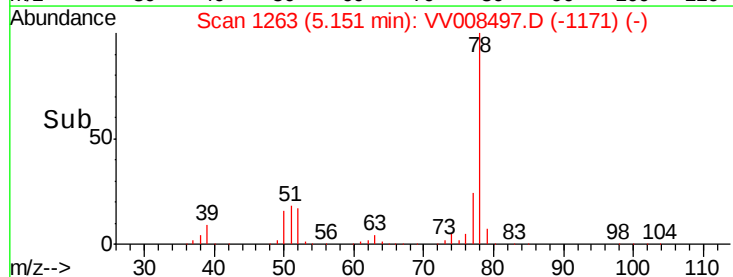
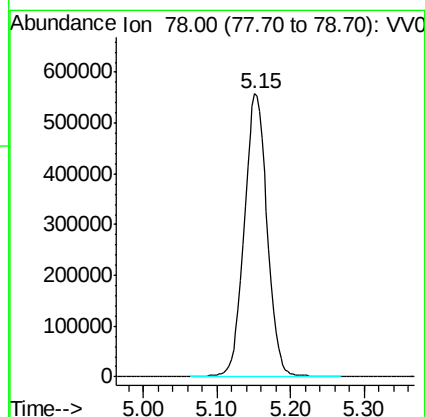
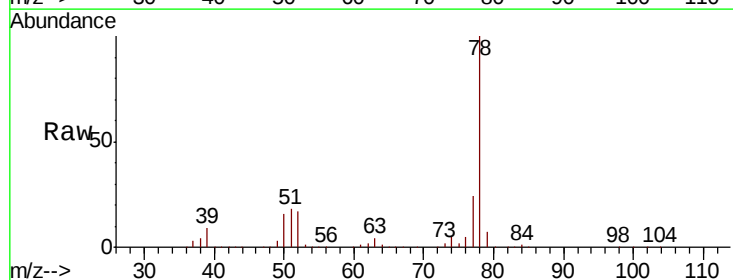
RT: 5.15 min Scan# 1263

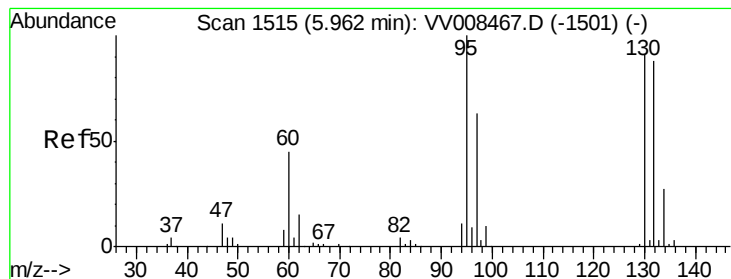
Delta R.T. -0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Tgt Ion: 78 Resp: 1210414





#34

Trichloroethene

Concen: 190.705 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD20057

Tgt Ion: 95 Resp: 314182

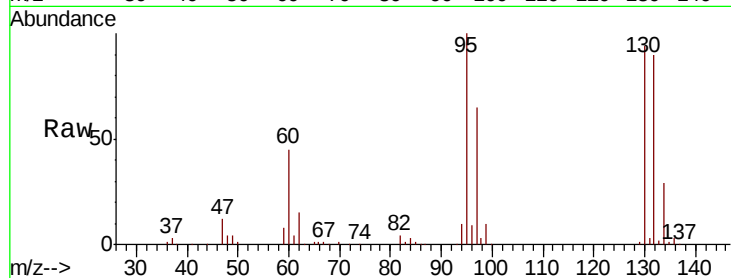
Ion Ratio Lower Upper

95 100

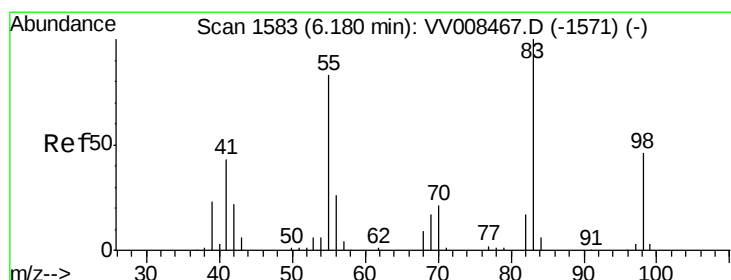
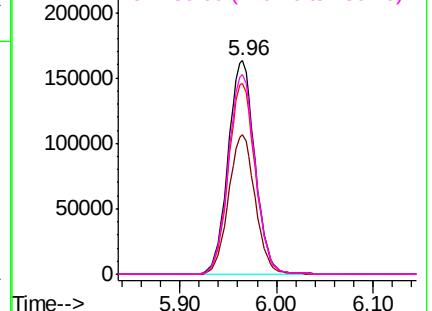
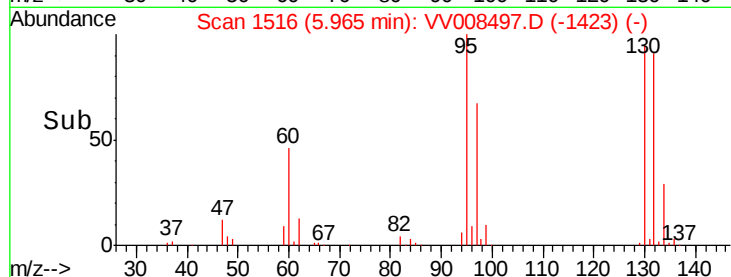
97 65.3 45.3 84.1

132 89.6 62.8 116.6

130 93.6 64.3 119.5



Abundance Ion 95.00 (94.70 to 95.70): VV008497.D (-1423) (-)



#35

Methylcyclohexane

Concen: 194.365 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

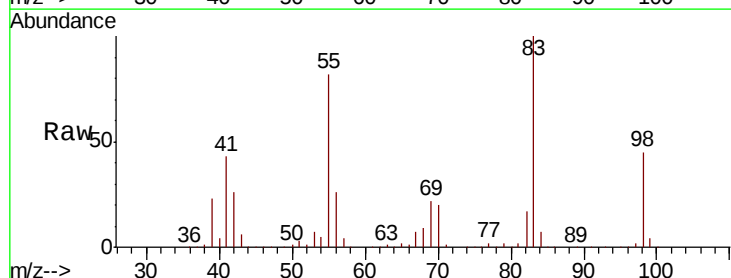
Tgt Ion: 83 Resp: 545324

Ion Ratio Lower Upper

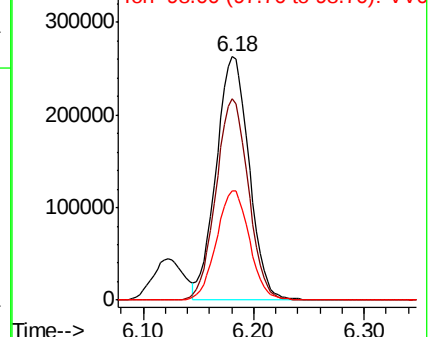
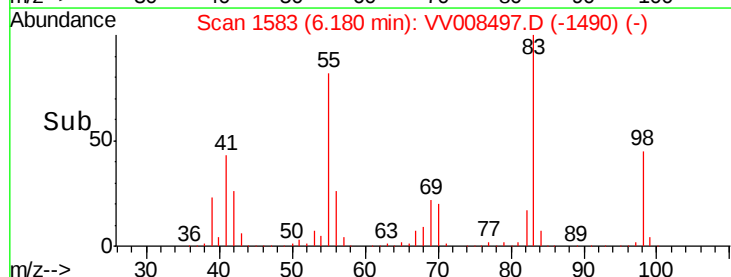
83 100

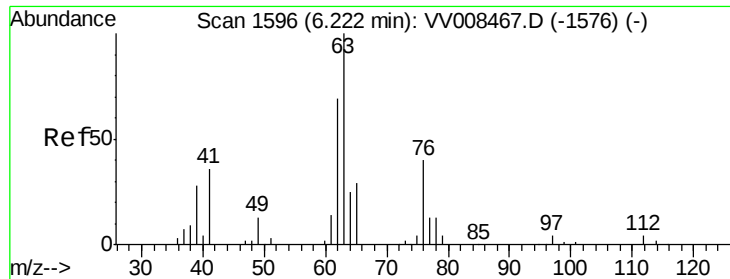
55 81.4 63.8 95.8

98 45.0 35.9 53.9



Abundance Ion 83.00 (82.70 to 83.70): VV008497.D (-1490) (-)

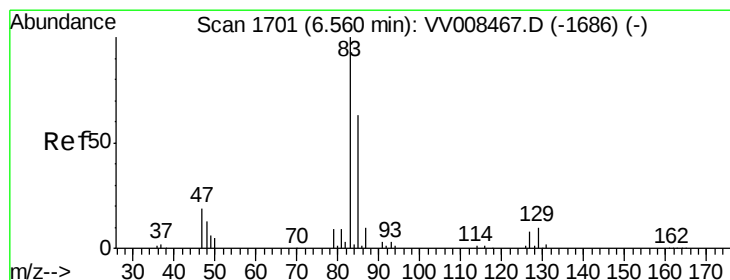
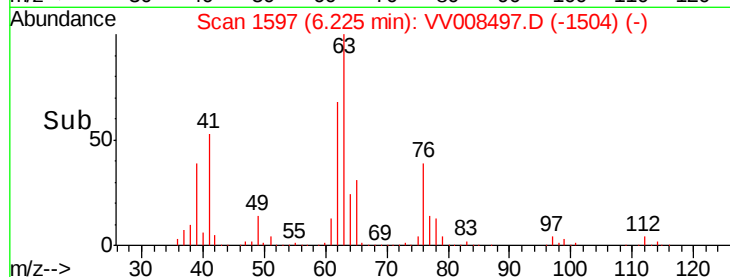
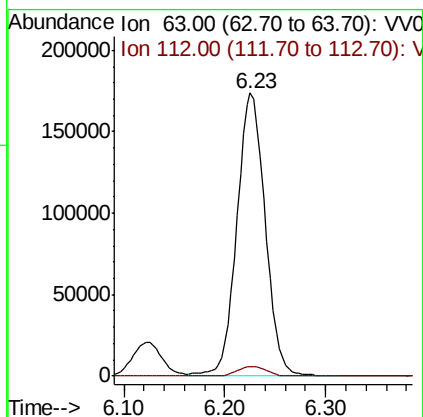
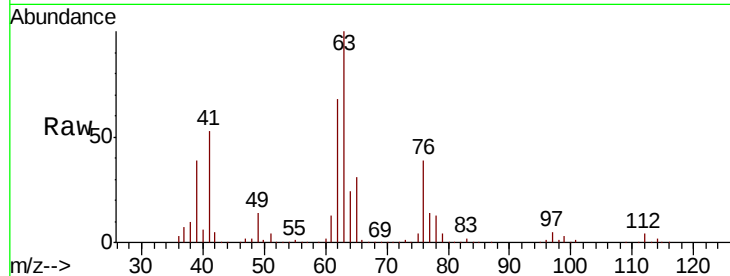




#37
 1,2-Dichloropropane
 Concen: 189.236 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008497.D
 Acq: 31 Oct 2018 15:55

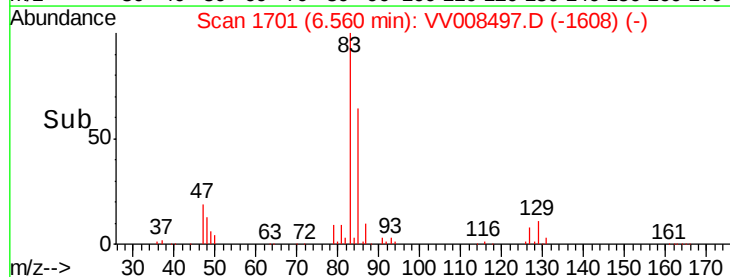
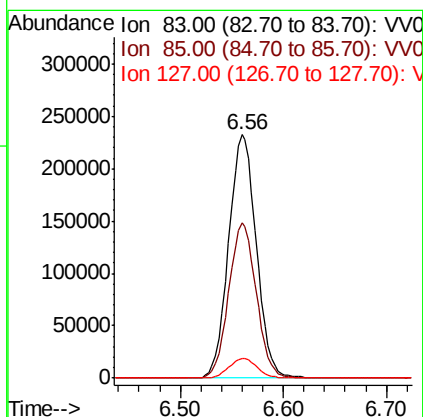
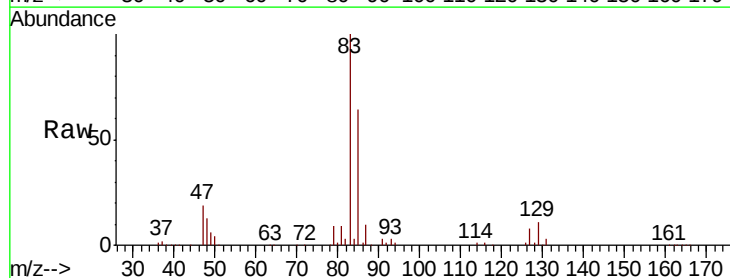
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20057

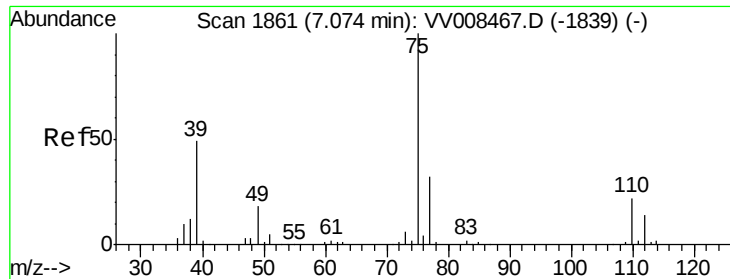
Tgt Ion: 63 Resp: 336751
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.1 4.7



#38
 Bromodichloromethane
 Concen: 192.159 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008497.D
 Acq: 31 Oct 2018 15:55

Tgt Ion: 83 Resp: 434768
 Ion Ratio Lower Upper
 83 100
 85 63.6 43.3 80.5
 127 8.1 6.1 9.1

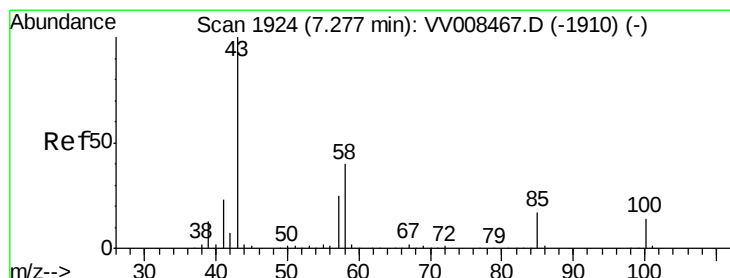
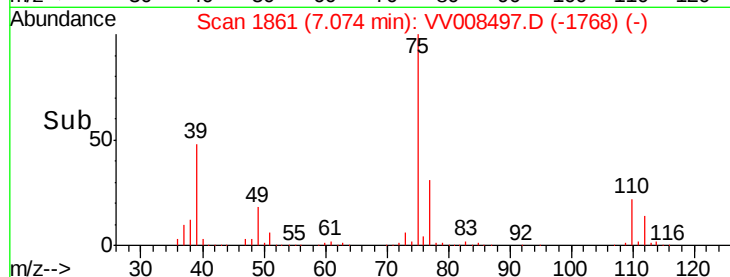
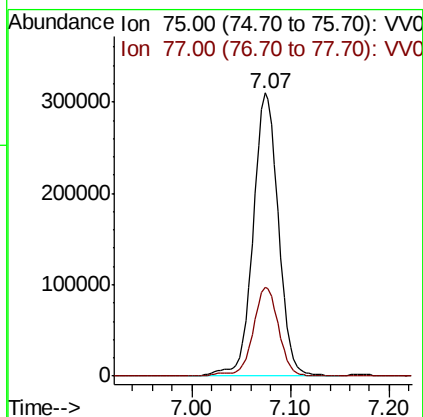
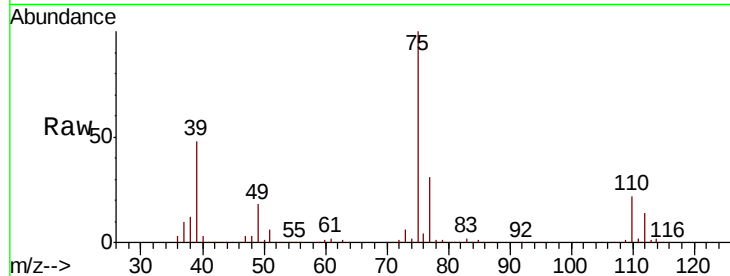




#39
 cis-1,3-Dichloropropene
 Concen: 195.749 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008497.D
 Acq: 31 Oct 2018 15:55

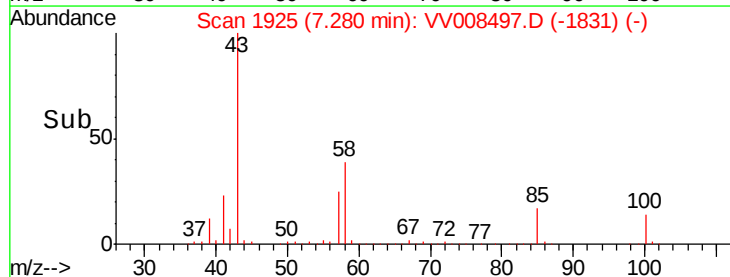
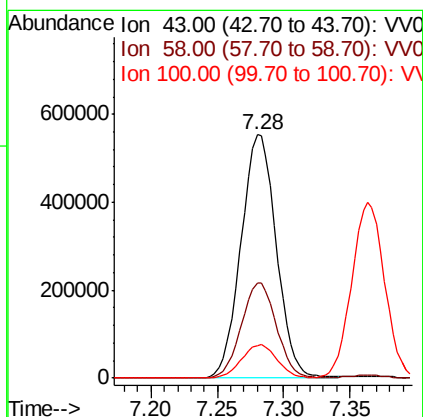
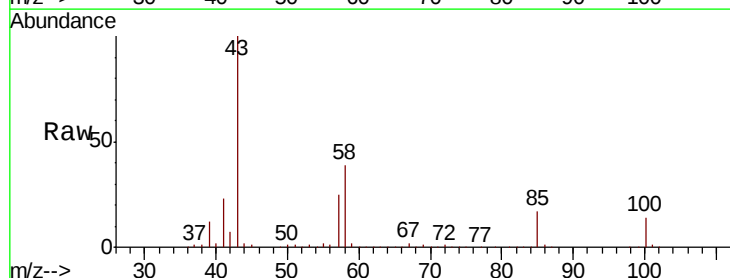
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20057

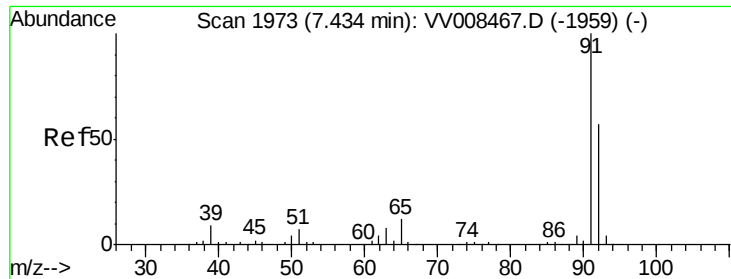
Tgt Ion: 75 Resp: 546533
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 389.602 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV008497.D
 Acq: 31 Oct 2018 15:55

Tgt Ion: 43 Resp: 1027060
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.8 46.2
 100 13.8 11.0 16.6





#42

Toluene

Concen: 189.524 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampleId :

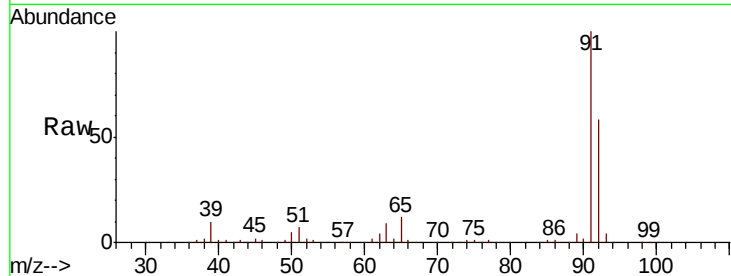
VSTD20057

Tgt Ion: 91 Resp: 1262712

Ion Ratio Lower Upper

91 100

92 57.7 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VV008467.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008467.D (-1959) (-)

7.44

800000

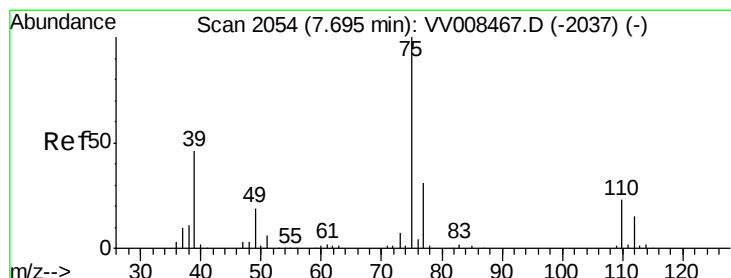
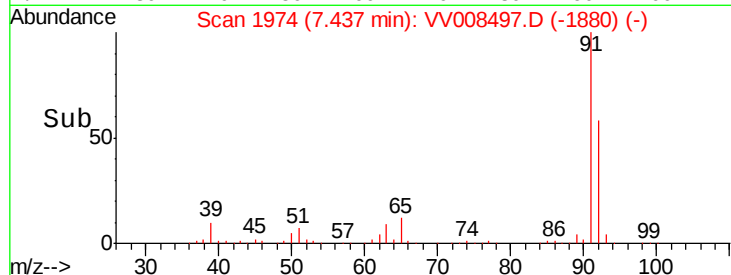
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 196.513 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008497.D

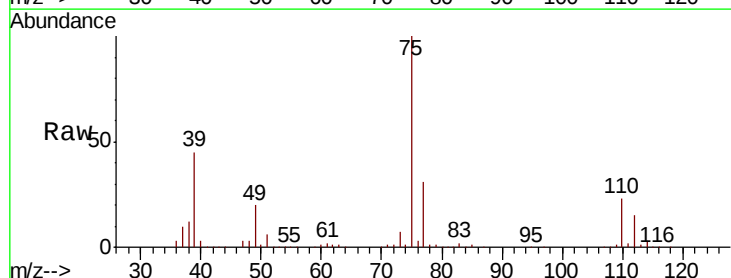
Acq: 31 Oct 2018 15:55

Tgt Ion: 75 Resp: 513939

Ion Ratio Lower Upper

75 100

77 31.5 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV008467.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008467.D (-2037) (-)

7.70

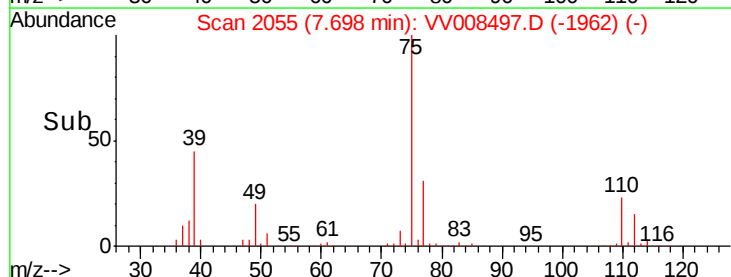
300000

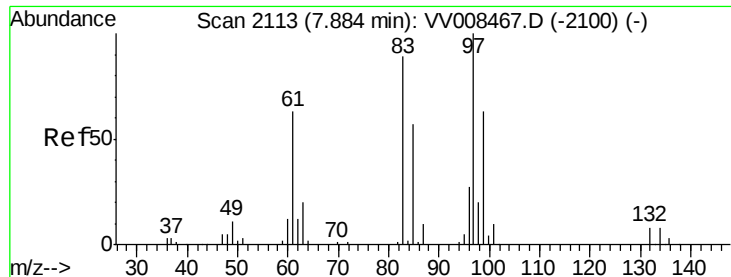
200000

100000

0

Time-->

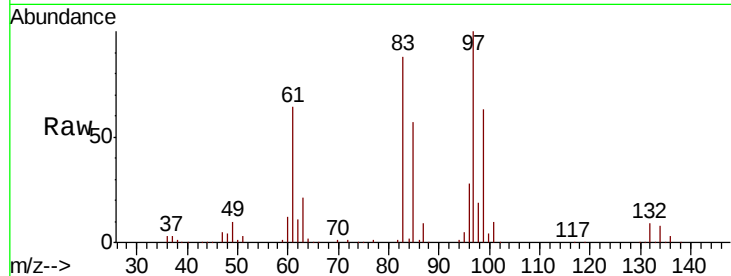




#45
 1,1,2-Trichloroethane
 Concen: 189.910 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008497.D
 Acq: 31 Oct 2018 15:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20057

Tgt Ion:	97	Resp:	297515
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.7	83.1
83	88.3	63.6	118.0
85	56.6	40.9	75.9



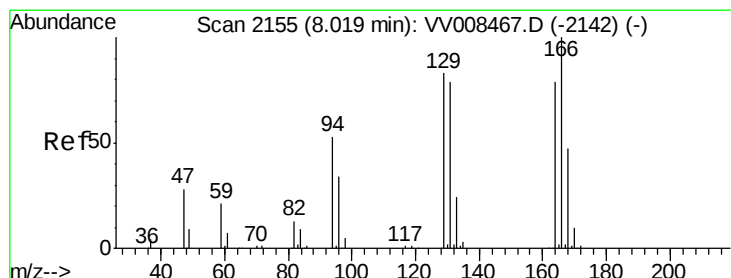
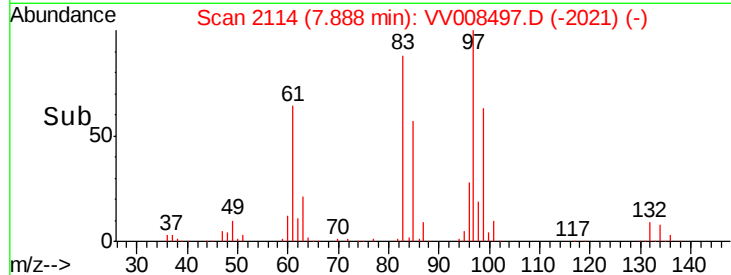
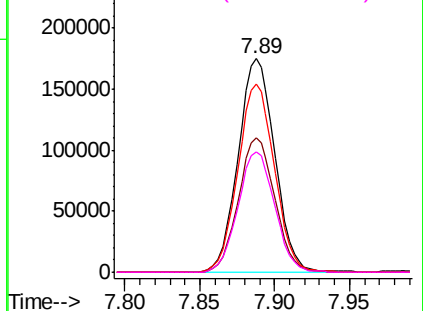
Abundance

Ion 97.00 (96.70 to 97.70): VV008497.D (-2100) (-)

Ion 99.00 (98.70 to 99.70): VV008497.D (-2100) (-)

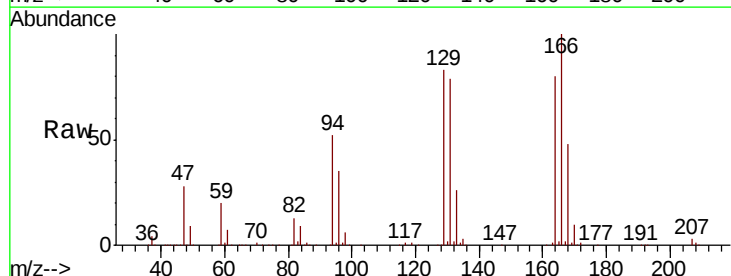
Ion 83.00 (82.70 to 83.70): VV008497.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV008497.D (-2100) (-)



#46
 Tetrachloroethene
 Concen: 201.898 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008497.D
 Acq: 31 Oct 2018 15:55

Tgt Ion:	164	Resp:	218304
Ion	Ratio	Lower	Upper
164	100		
129	104.3	72.0	133.6
131	99.5	68.8	127.8
166	125.2	86.5	160.7



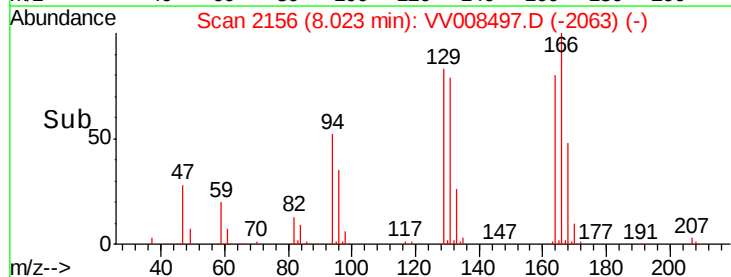
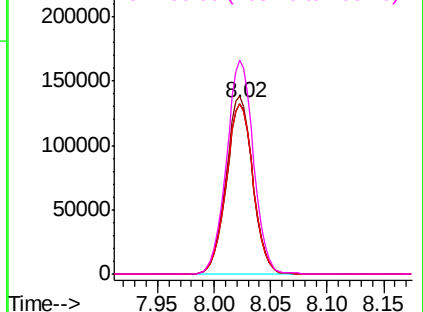
Abundance

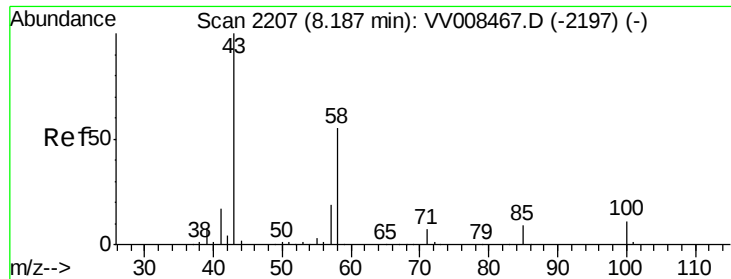
Ion 164.00 (163.70 to 164.70): VV008497.D (-2142) (-)

Ion 129.00 (128.70 to 129.70): VV008497.D (-2142) (-)

Ion 131.00 (130.70 to 131.70): VV008497.D (-2142) (-)

Ion 166.00 (165.70 to 166.70): VV008497.D (-2142) (-)

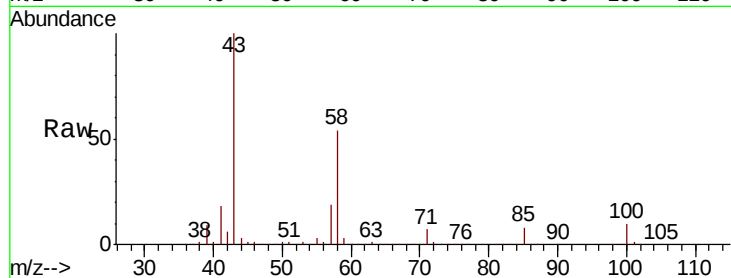




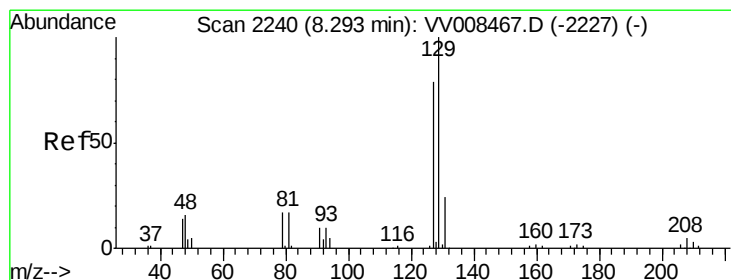
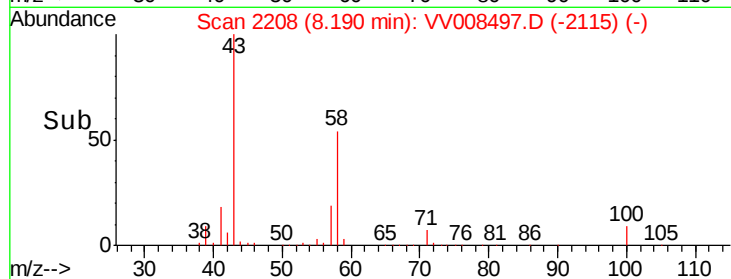
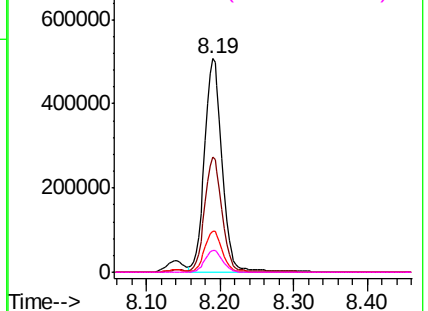
#48
2-Hexanone
Concen: 413.263 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008497.D
Acq: 31 Oct 2018 15:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD20057

Tgt Ion: 43 Resp: 853297
Ion Ratio Lower Upper
43 100
58 52.6 43.6 65.4
57 18.5 15.0 22.6
100 10.3 8.3 12.5

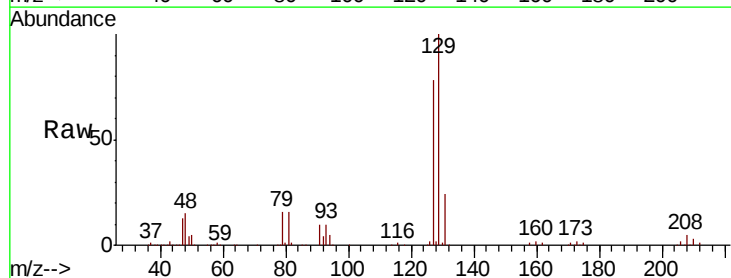


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

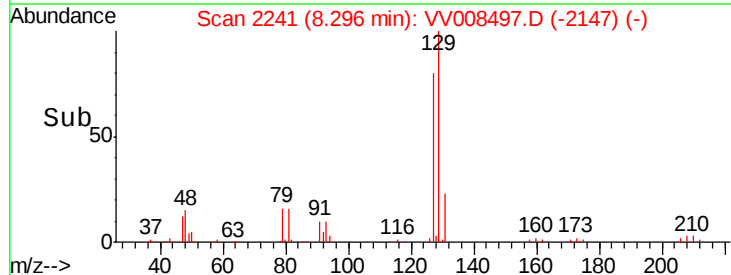
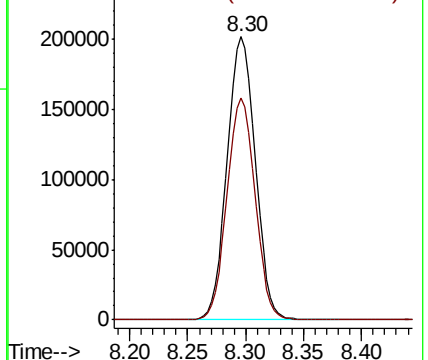


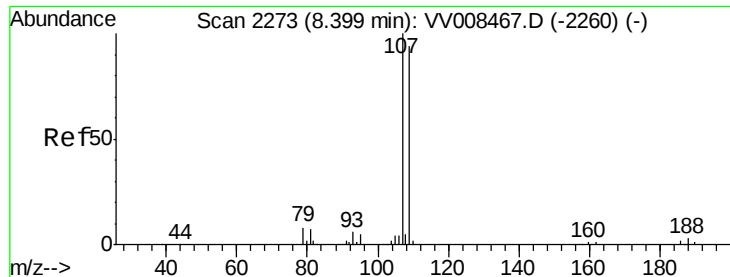
#49
Dibromochloromethane
Concen: 201.844 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008497.D
Acq: 31 Oct 2018 15:55

Tgt Ion: 129 Resp: 340212
Ion Ratio Lower Upper
129 100
127 78.4 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

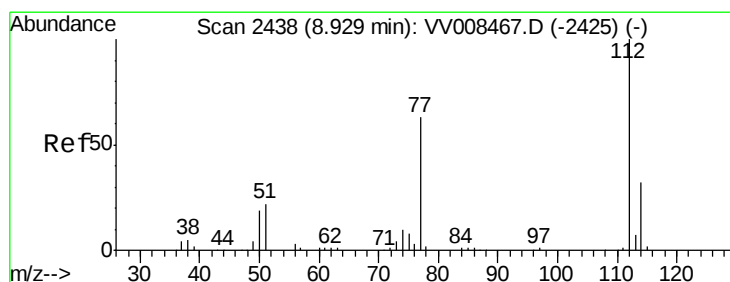
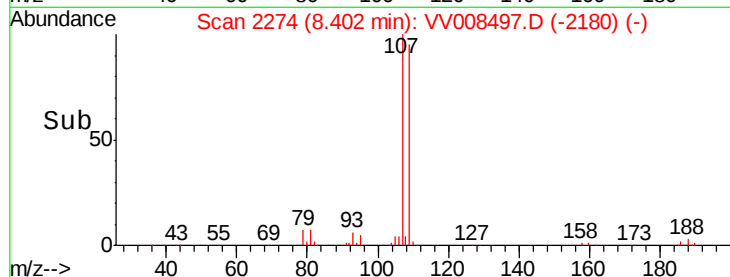
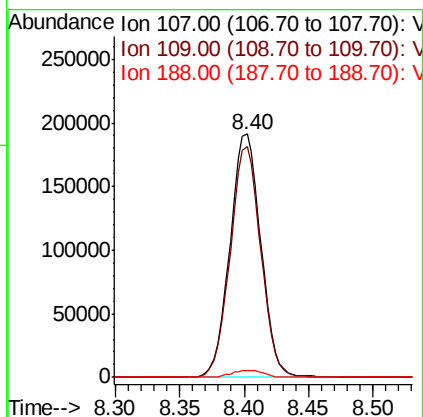
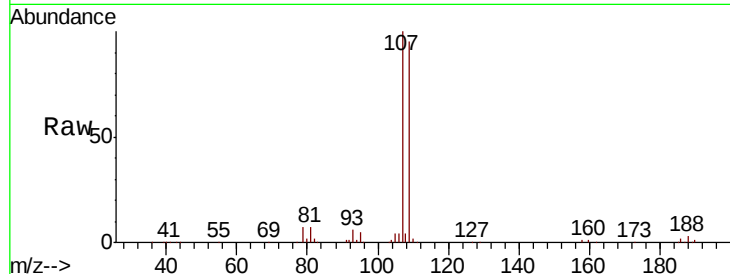




#50
1,2-Dibromoethane
Concen: 193.340 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008497.D
Acq: 31 Oct 2018 15:55

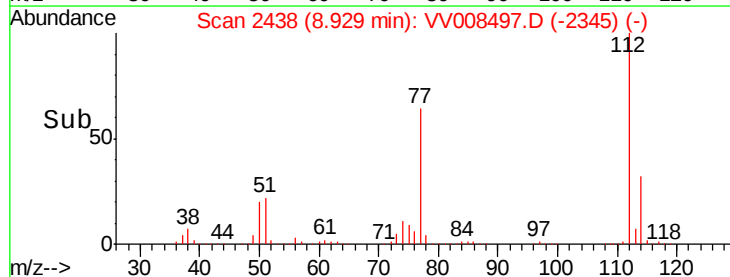
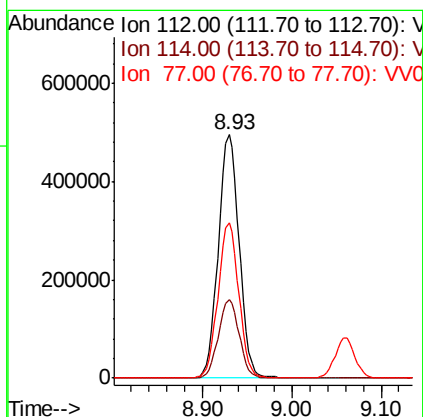
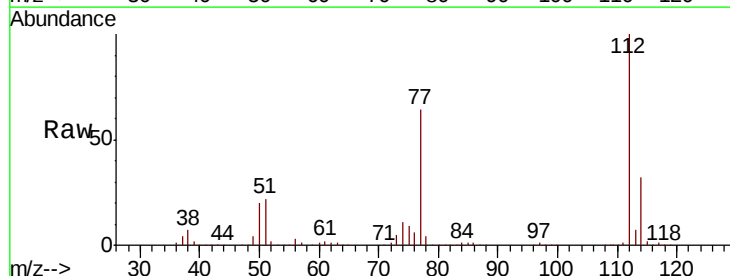
Instrument :
MSVOA_V
ClientSampleId :
VSTD20057

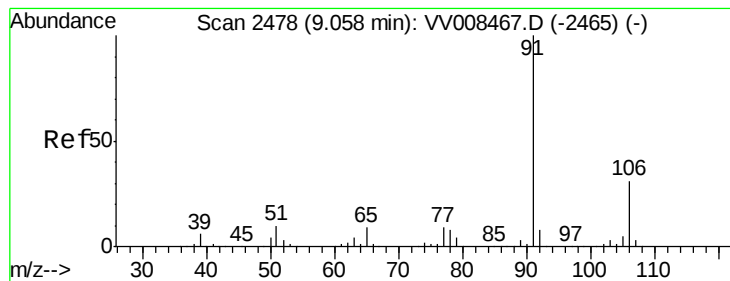
Tgt Ion:107 Resp: 317756
Ion Ratio Lower Upper
107 100
109 94.9 67.3 125.1
188 2.9 2.6 3.8



#51
Chlorobenzene
Concen: 194.596 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008497.D
Acq: 31 Oct 2018 15:55

Tgt Ion:112 Resp: 801263
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.5
77 63.7 50.5 75.7





#52

Ethylbenzene

Concen: 193.756 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampleId :

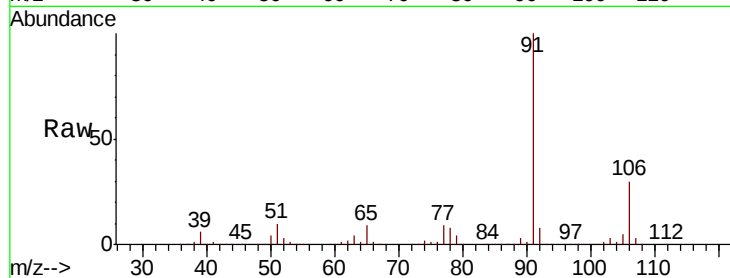
VSTD20057

Tgt Ion: 91 Resp: 1449115

Ion Ratio Lower Upper

91 100

106 30.3 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV008497.D (-2385) (-)

Ion 106.00 (105.70 to 106.70): VV008497.D (-2385) (-)

9.06

1000000

800000

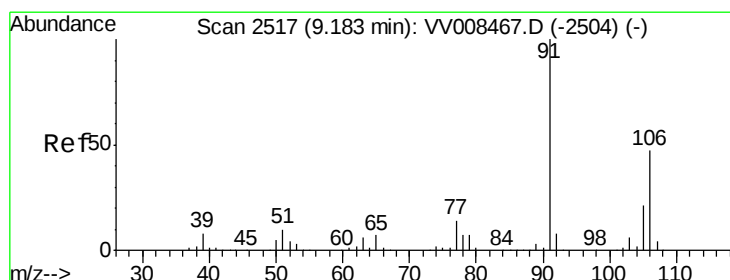
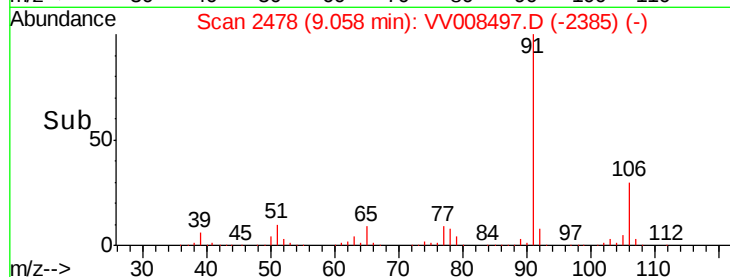
600000

400000

200000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#53

m,p-Xylene

Concen: 197.051 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008497.D

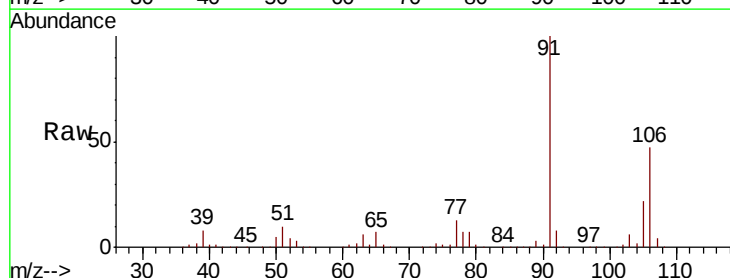
Acq: 31 Oct 2018 15:55

Tgt Ion: 106 Resp: 541177

Ion Ratio Lower Upper

106 100

91 211.3 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): VV008497.D (-2425) (-)

Ion 91.00 (90.70 to 91.70): VV008497.D (-2425) (-)

9.19

1000000

800000

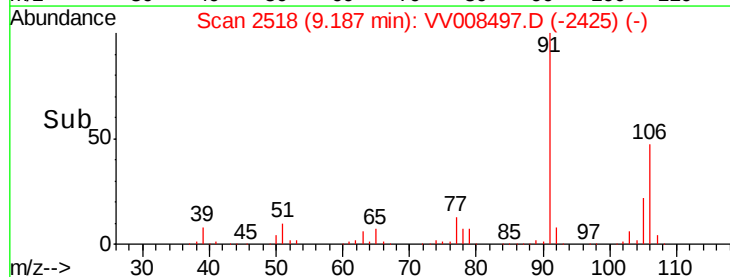
600000

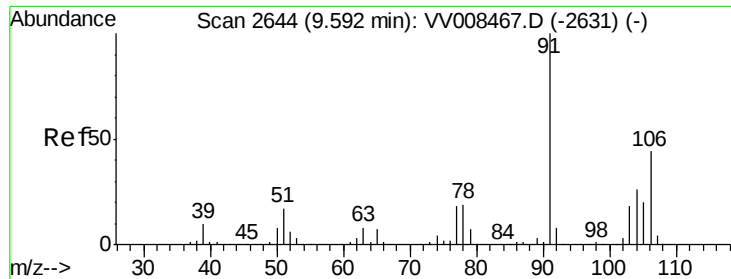
400000

200000

0

Time--> 9.10 9.20 9.30





#54

o-xylene

Concen: 192.997 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampleId :

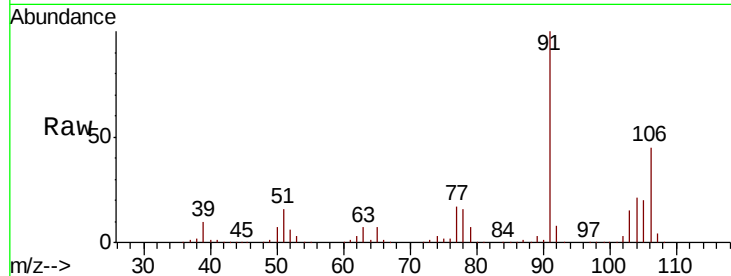
VSTD20057

Tgt Ion:106 Resp: 528920

Ion Ratio Lower Upper

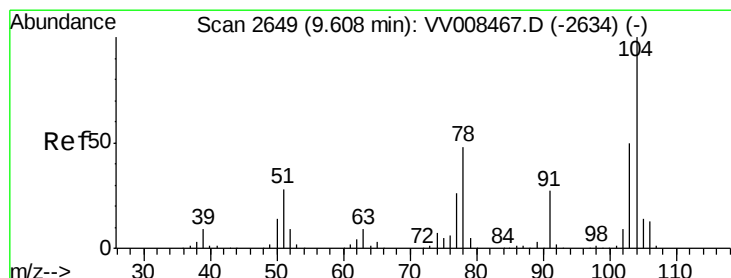
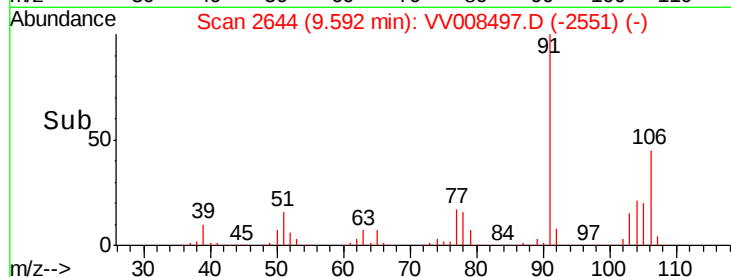
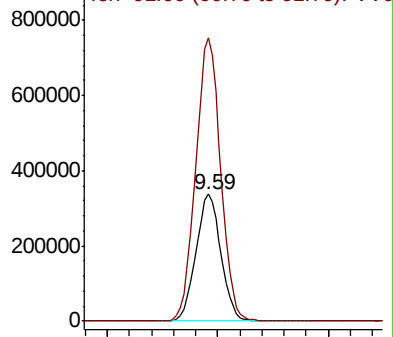
106 100

91 223.3 156.9 291.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 202.534 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008497.D

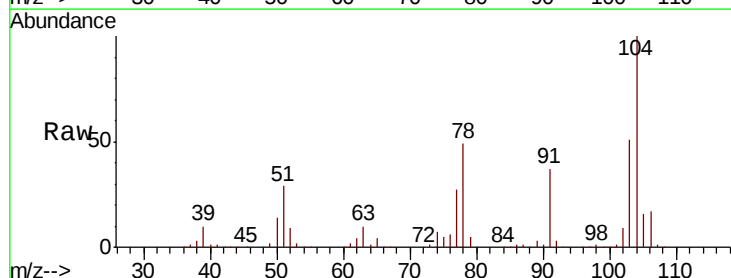
Acq: 31 Oct 2018 15:55

Tgt Ion:104 Resp: 934296

Ion Ratio Lower Upper

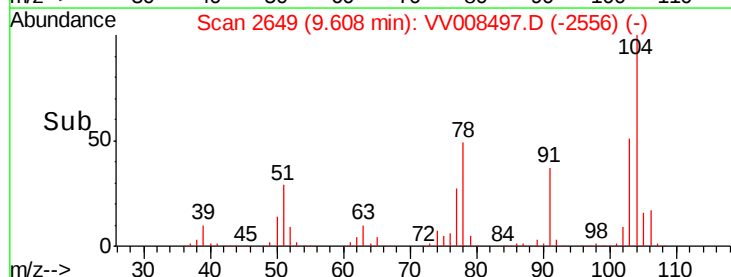
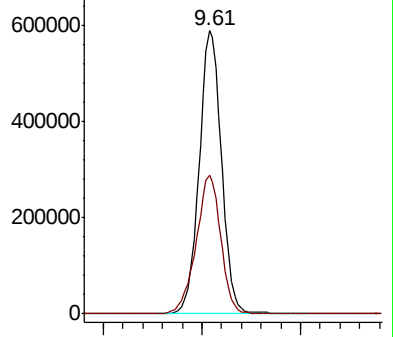
104 100

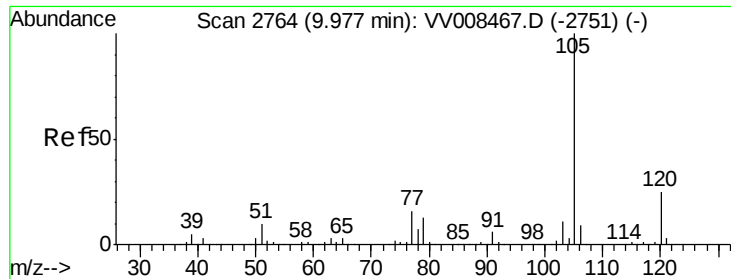
78 49.1 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 198.103 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD20057

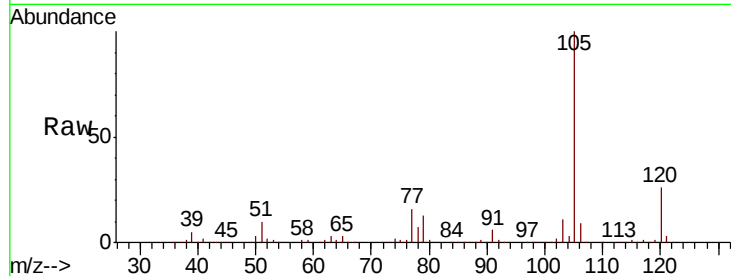
Tgt Ion:105 Resp: 1420181

Ion Ratio Lower Upper

105 100

120 25.9 20.4 30.6

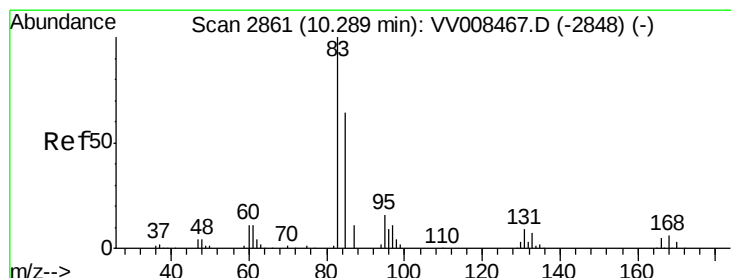
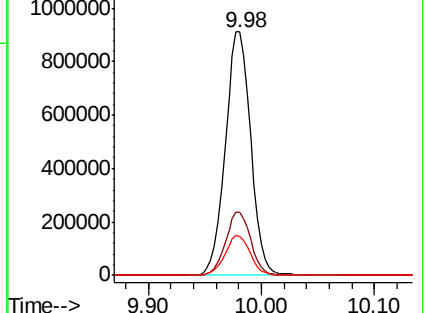
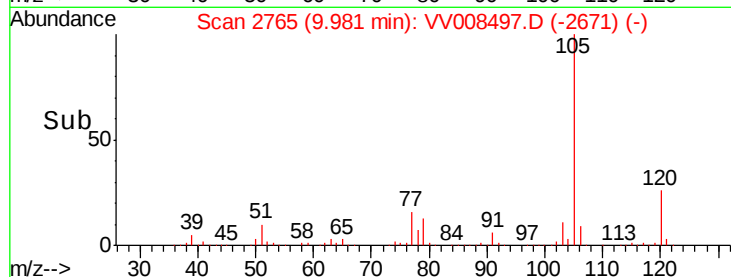
77 16.4 13.3 19.9



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: 199.881 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

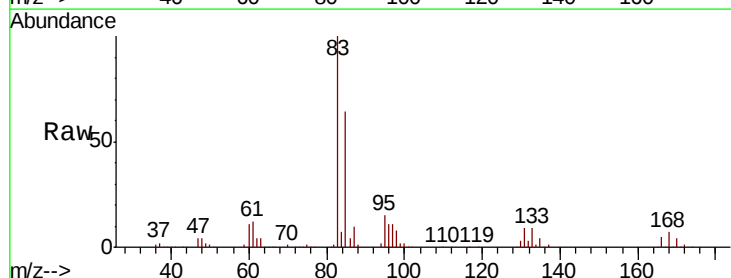
Tgt Ion: 83 Resp: 551414

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9

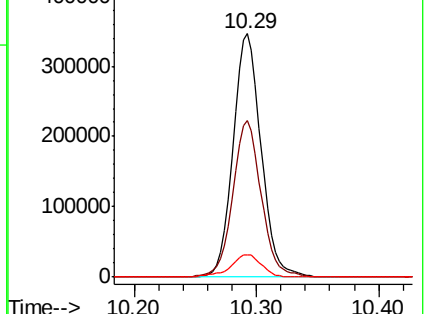
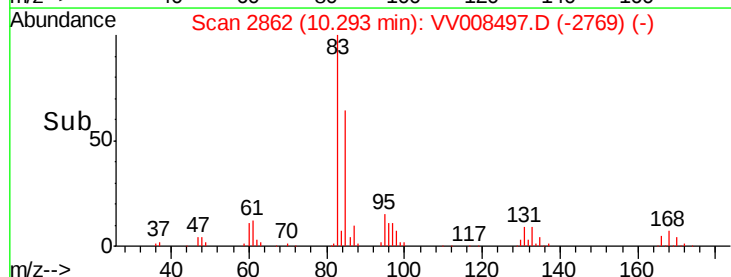
131 9.3 7.4 11.2

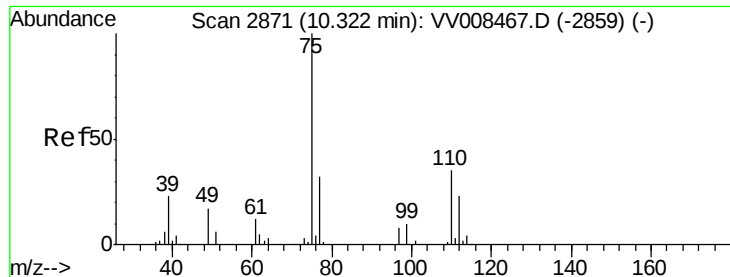


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 199.208 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampleId :

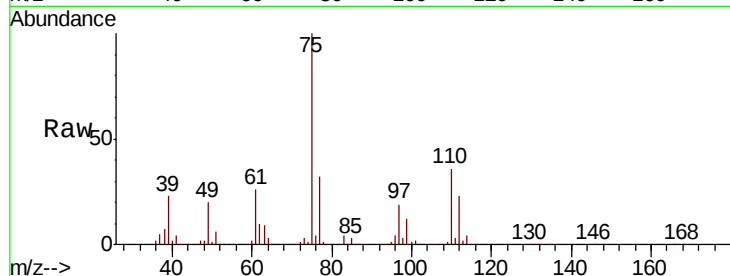
VSTD20057

Tgt Ion: 75 Resp: 445716

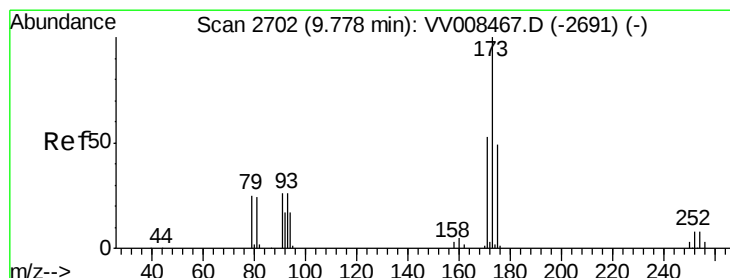
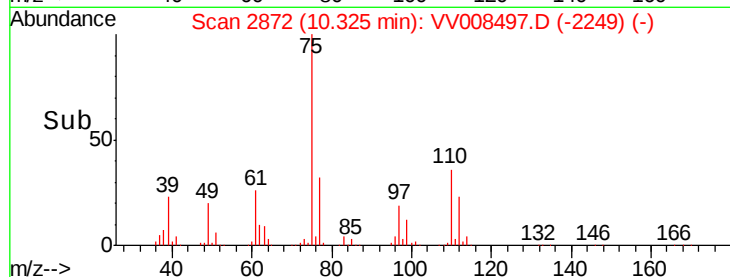
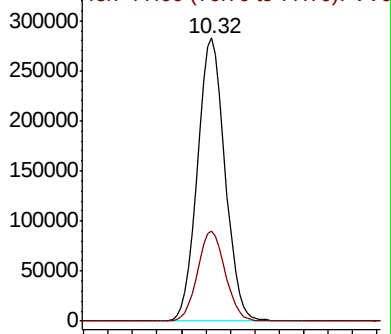
Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV008467.D (-2859) (-)



#61

Bromoform

Concen: 194.693 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

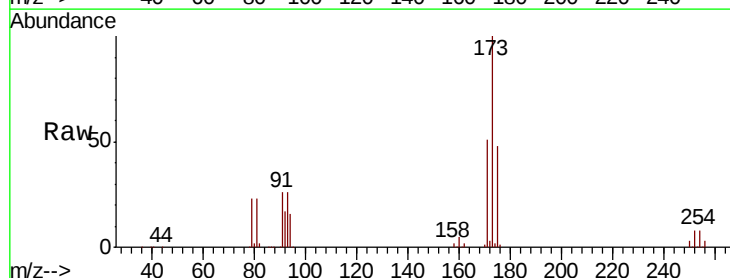
Tgt Ion: 173 Resp: 253807

Ion Ratio Lower Upper

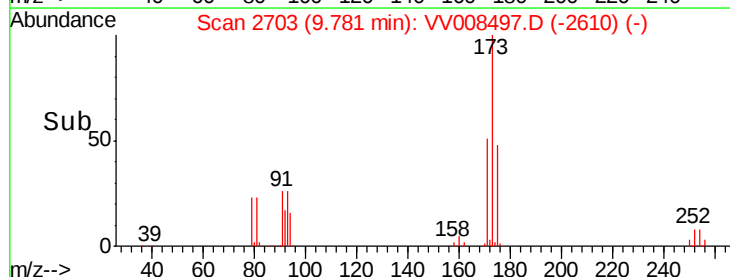
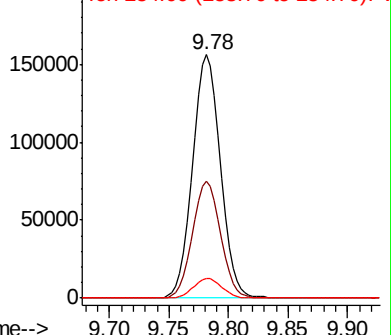
173 100

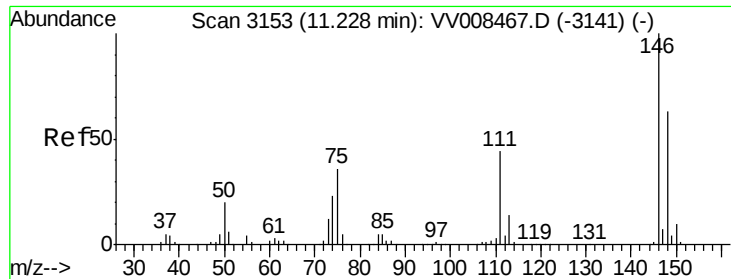
175 48.5 38.6 57.8

254 8.2 6.0 9.0



Abundance Ion 173.00 (172.70 to 173.70): VV008467.D (-2691) (-)

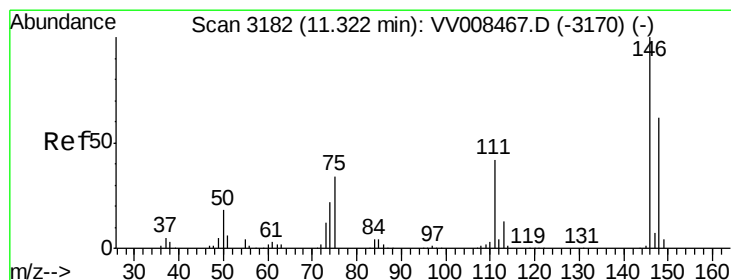
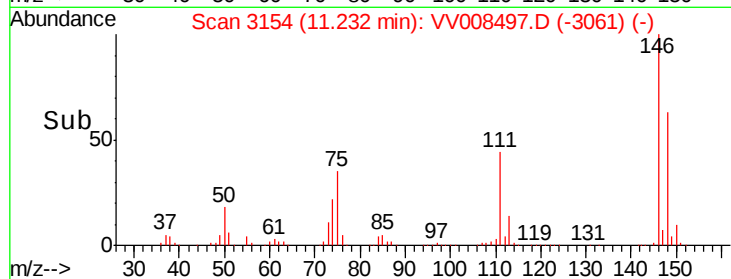
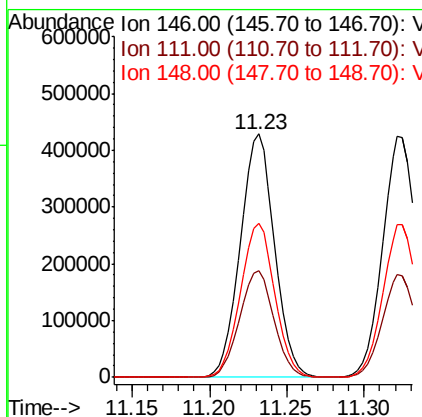
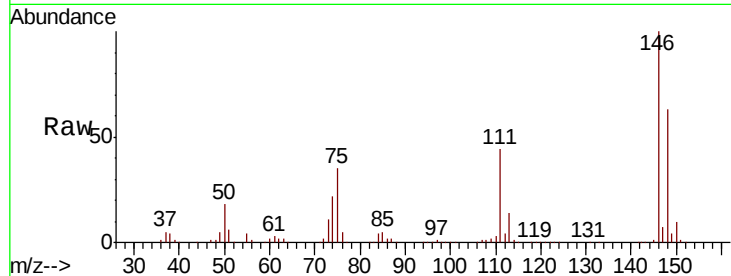




#62
 1,3-Dichlorobenzene
 Concen: 191.913 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008497.D
 Acq: 31 Oct 2018 15:55

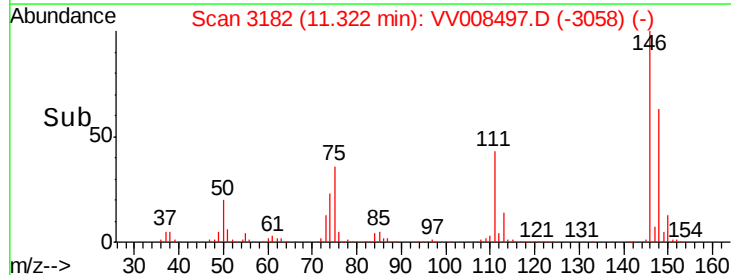
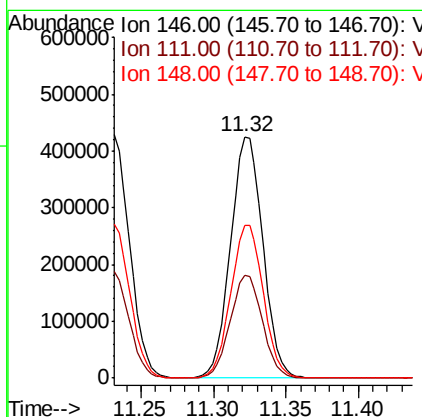
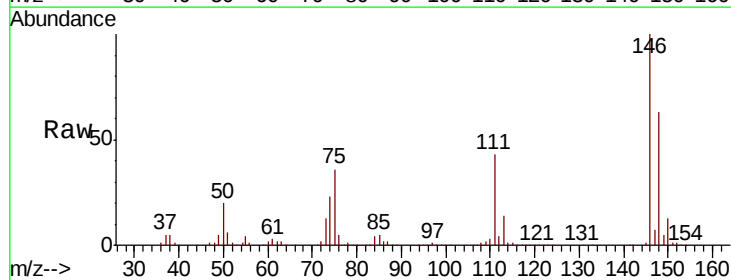
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20057

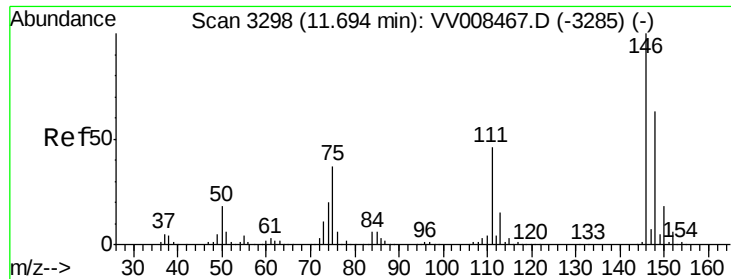
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	30.3	56.3
148	63.5	44.7	82.9



#63
 1,4-Dichlorobenzene
 Concen: 191.125 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008497.D
 Acq: 31 Oct 2018 15:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	29.8	55.4
148	63.1	44.5	82.7





#65

1,2-Dichlorobenzene

Concen: 185.588 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampled :

VSTD20057

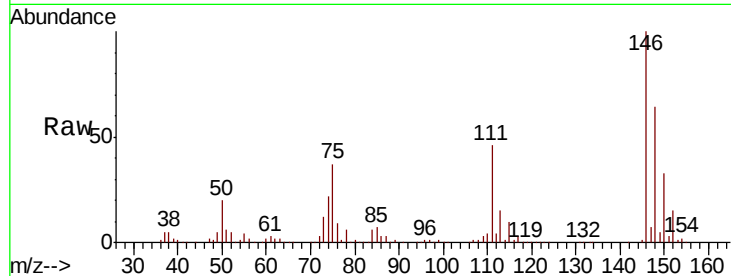
Tgt Ion:146 Resp: 649551

Ion Ratio Lower Upper

146 100

111 46.2 35.9 53.9

148 63.7 50.6 76.0

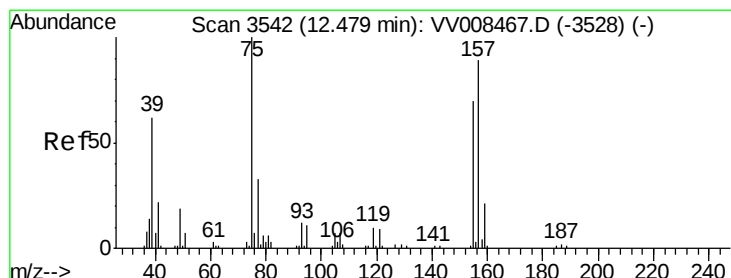
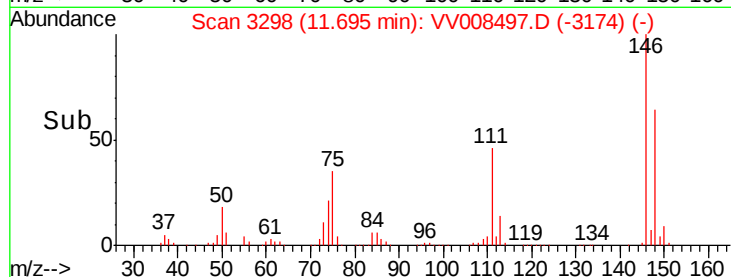
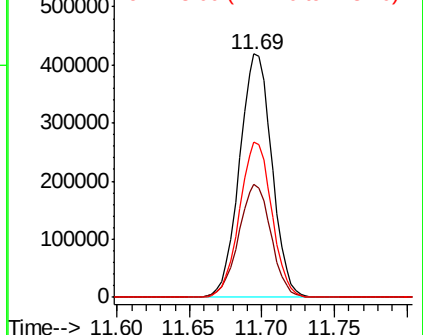


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 189.562 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

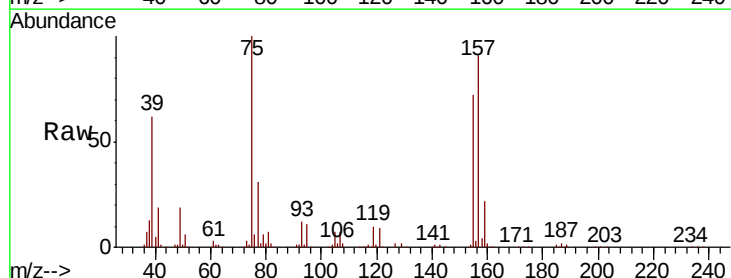
Tgt Ion: 75 Resp: 135263

Ion Ratio Lower Upper

75 100

155 71.6 55.8 83.8

157 91.2 72.0 108.0

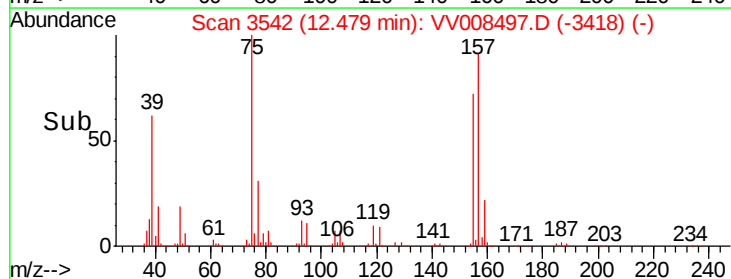
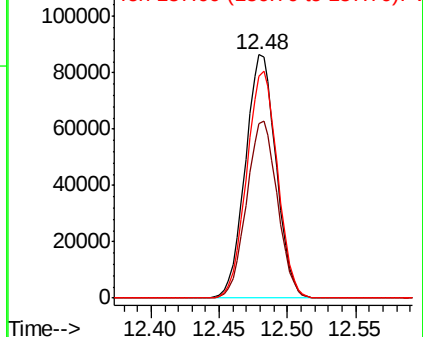


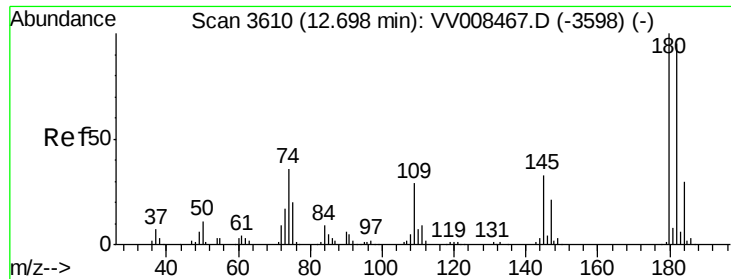
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

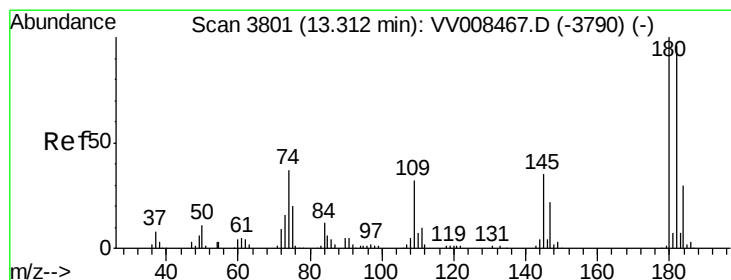
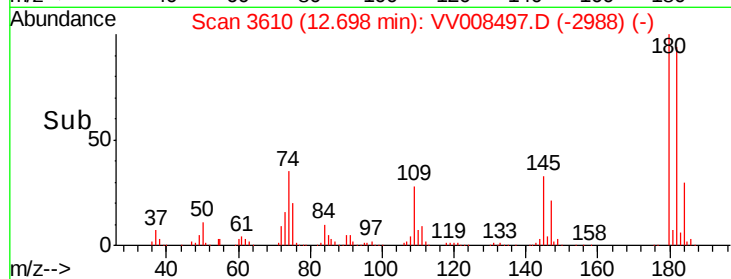
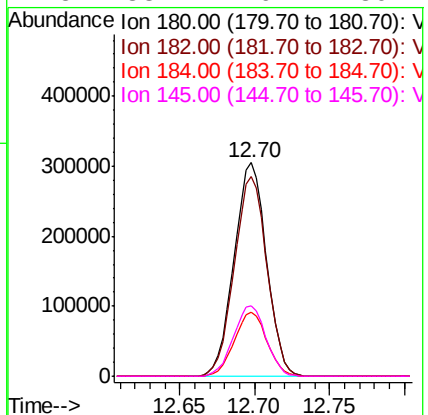
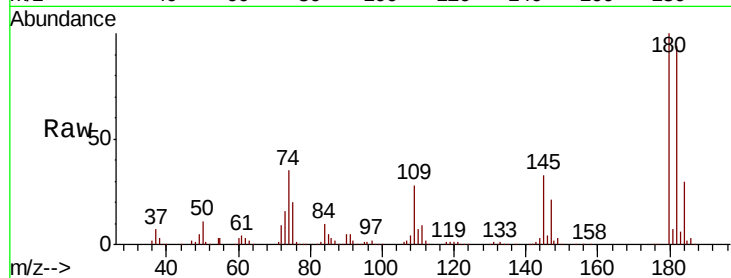




#67
 1,3,5-Trichlorobenzene
 Concen: 204.642 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008497.D
 Acq: 31 Oct 2018 15:55

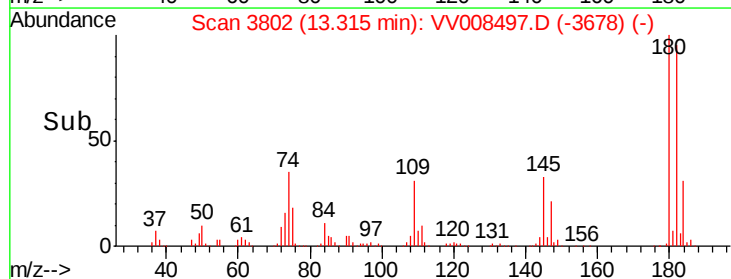
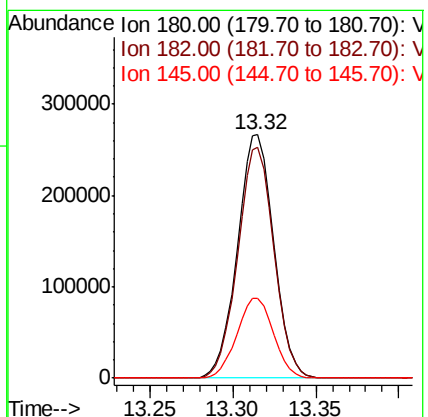
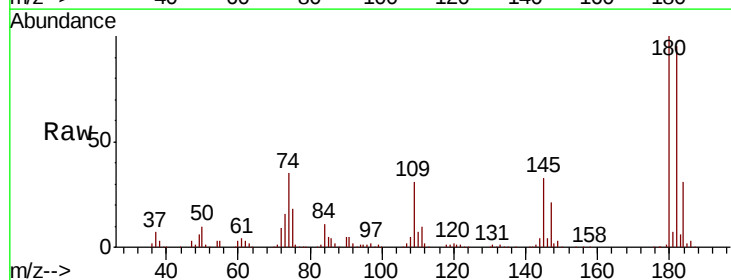
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20057

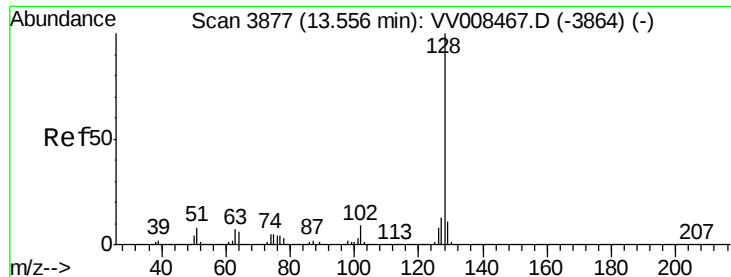
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.6	113.4
184	30.2	23.6	35.4
145	33.1	26.2	39.4



#68
 1,2,4-trichlorobenzene
 Concen: 223.898 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008497.D
 Acq: 31 Oct 2018 15:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.9	113.9
145	33.2	27.2	40.8





#69

Naphthalene

Concen: 221.758 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD20057

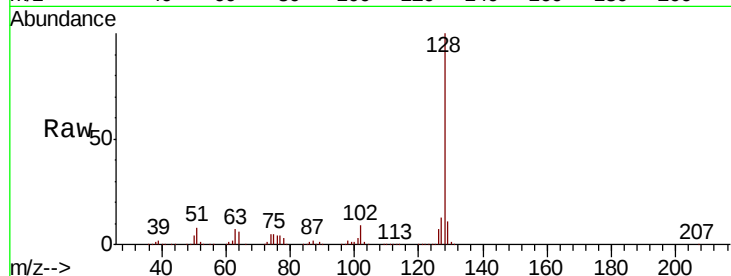
Tgt Ion:128 Resp: 1284990

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

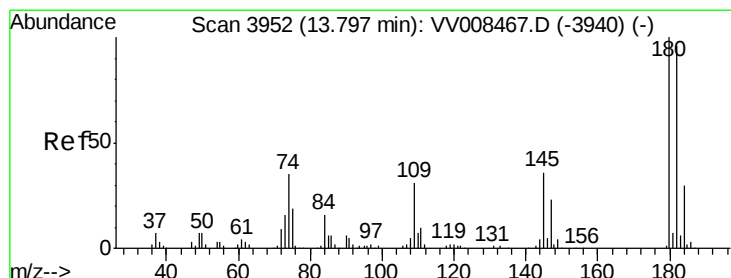
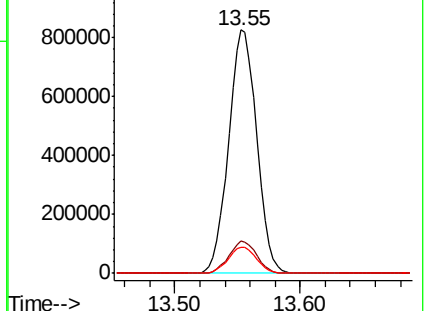
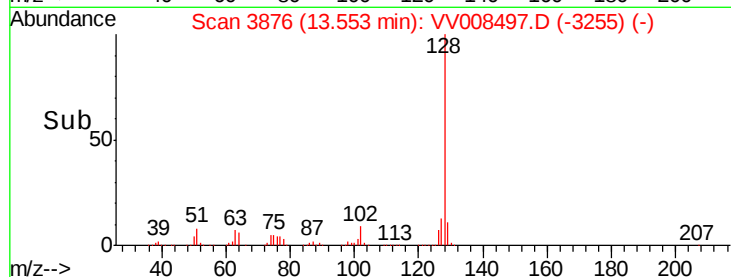
129 10.9 8.5 12.7



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: 216.509 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008497.D

Acq: 31 Oct 2018 15:55

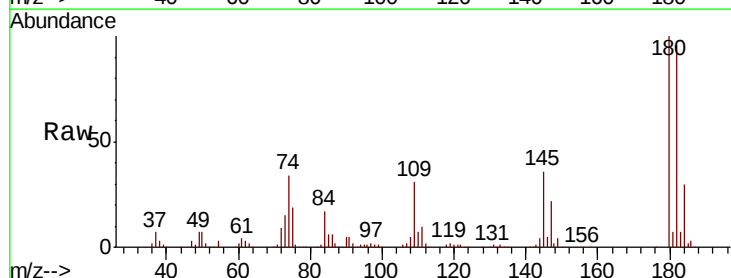
Tgt Ion:180 Resp: 391757

Ion Ratio Lower Upper

180 100

182 95.1 75.1 112.7

145 35.5 29.0 43.4



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

