

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103118\
 Data File : VV008499.D
 Acq On : 31 Oct 2018 16:42
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

Quant Time: Oct 31 23:54:41 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	206328	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	186579	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78744	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	6262	5.28	ug/L	0.00
7) Chloroethane-d5	1.56	69	4317	5.21	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	10350	4.96	ug/L	0.00
21) 2-Butanone-d5	3.95	46	12428	9.94	ug/L	0.00
24) Chloroform-d	4.41	84	13576	4.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	9600	5.04	ug/L	0.00
32) Benzene-d6	5.10	84	28534	5.26	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	9840	5.26	ug/L	0.00
41) Toluene-d8	7.36	98	25834	5.24	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4960	5.44	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	9046	9.36	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	12673	4.98	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	9669	5.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6641	4.460 ug/L	95
3) Chloromethane	1.25	50	6977	4.427 ug/L	96
5) Vinyl chloride	1.33	62	6068	4.150 ug/L	97
6) Bromomethane	1.51	94	1701	4.294 ug/L	95
8) Chloroethane	1.58	64	3865	4.988 ug/L	86
9) Trichlorofluoromethane	1.76	101	7446	4.005 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4140	4.244 ug/L	98
12) 1,1-Dichloroethene	2.14	96	3687	4.011 ug/L #	78
13) Acetone	2.20	43	8046	7.916 ug/L	100
14) Carbon disulfide	2.32	76	19481	4.681 ug/L	100
15) Methyl Acetate	2.46	43	7328	3.861 ug/L	98
16) Methylene chloride	2.54	84	6472	4.051 ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	5967	4.255 ug/L	98
18) Methyl tert-butyl Ether	2.81	73	19915	3.983 ug/L	97
19) 1,1-Dichloroethane	3.24	63	11256	3.907 ug/L	96
20) cis-1,2-Dichloroethene	3.96	96	6787	4.248 ug/L	97
22) 2-Butanone	4.03	43	10278	7.216 ug/L	100
23) Bromochloromethane	4.31	128	2987	3.976 ug/L	94
25) Chloroform	4.43	83	11239	3.991 ug/L	98
27) 1,2-Dichloroethane	5.19	62	9117	3.895 ug/L	99
29) Cyclohexane	4.73	56	10868	4.026 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	9142	3.811 ug/L #	79
31) Carbon tetrachloride	4.88	117	7868	3.862 ug/L	98
33) Benzene	5.15	78	24139	3.988 ug/L	100
34) Trichloroethene	5.96	95	6654	4.292 ug/L	96
35) Methylcyclohexane	6.18	83	10804	4.092 ug/L	99
37) 1,2-Dichloropropane	6.23	63	6867	4.101 ug/L #	90
38) Bromodichloromethane	6.56	83	8068	3.790 ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	10097	3.843 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	19411	7.825 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103118\
 Data File : VV008499.D
 Acq On : 31 Oct 2018 16:42
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

Quant Time: Oct 31 23:54:41 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

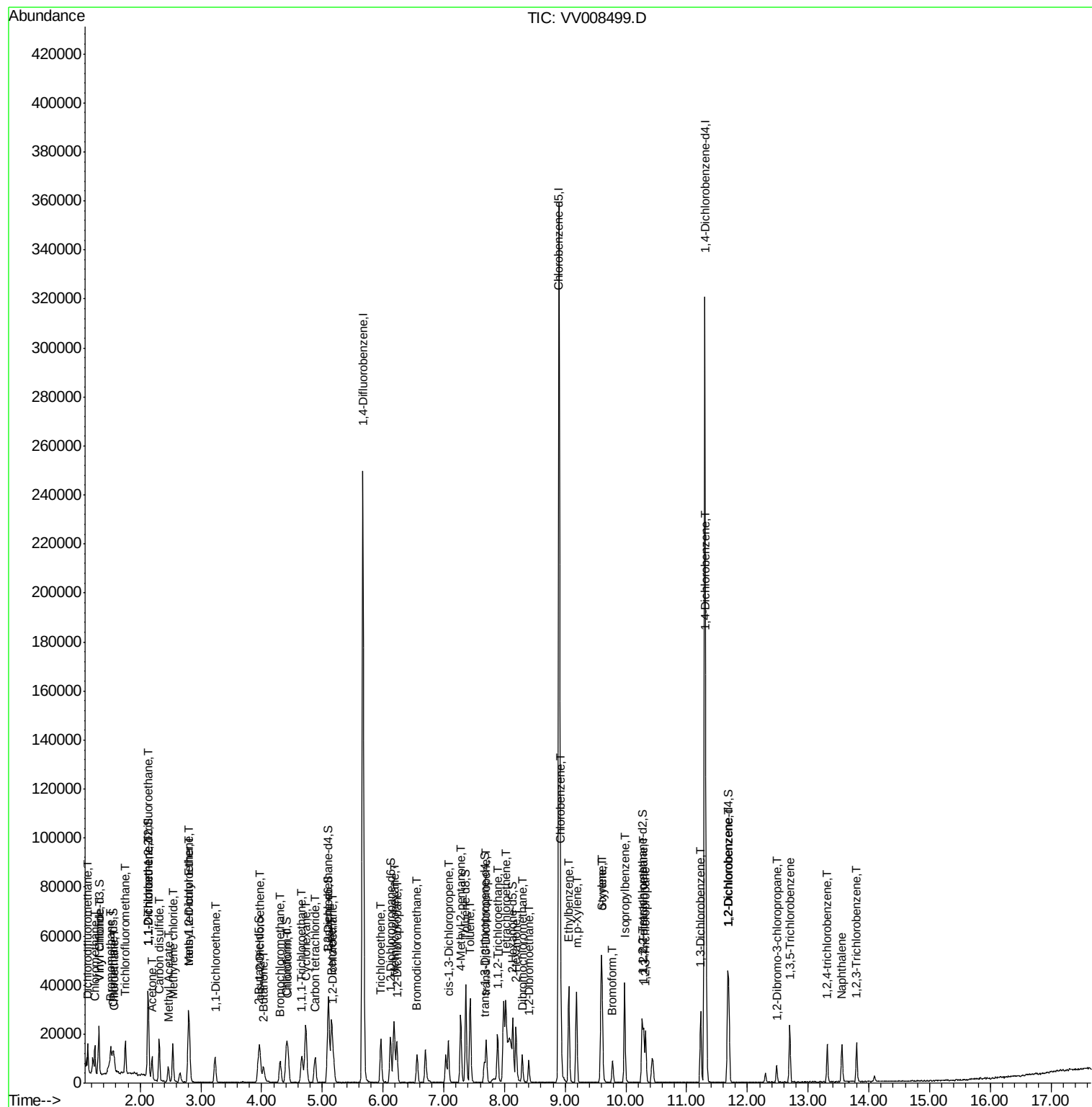
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	25024	3.992	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	9537	3.875	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	5797	3.932	ug/L	95
46) Tetrachloroethene	8.02	164	4618	4.539	ug/L	97
48) 2-Hexanone	8.19	43	14149	7.282	ug/L	93
49) Dibromochloromethane	8.29	129	5877	3.705	ug/L	97
50) 1,2-Dibromoethane	8.40	107	6248	4.040	ug/L	95
51) Chlorobenzene	8.93	112	15946	4.116	ug/L	98
52) Ethylbenzene	9.06	91	28322	4.024	ug/L	100
53) m,p-Xylene	9.19	106	10363	4.010	ug/L	100
54) o-xylene	9.59	106	10245	3.973	ug/L	98
55) Styrene	9.61	104	16664	3.839	ug/L	95
56) Isopropylbenzene	9.98	105	25478	3.777	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	10344	3.985	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	8490	4.033	ug/L	100
61) Bromoform	9.78	173	3817	3.880	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	11518	4.441	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	11691	4.505	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	11232	4.253	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	2128	3.952	ug/L	89
67) 1,3,5-Trichlorobenzene	12.70	180	6982	4.114	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	4543	3.333	ug/L	97
69) Naphthalene	13.56	128	12718	2.909	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	4808	3.521	ug/L	97

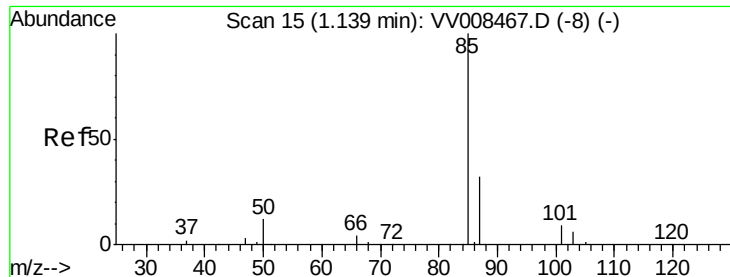
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV103118\
 Data File : VV008499.D
 Acq On : 31 Oct 2018 16:42
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

Quant Time: Oct 31 23:54:41 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM103118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 31 23:42:58 2018
 Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.460 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

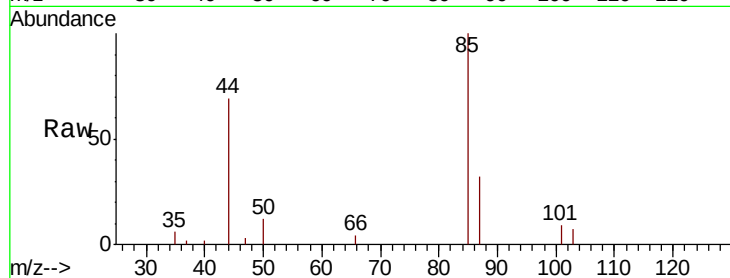
VSTD00553

Tgt Ion: 85 Resp: 6641

Ion Ratio Lower Upper

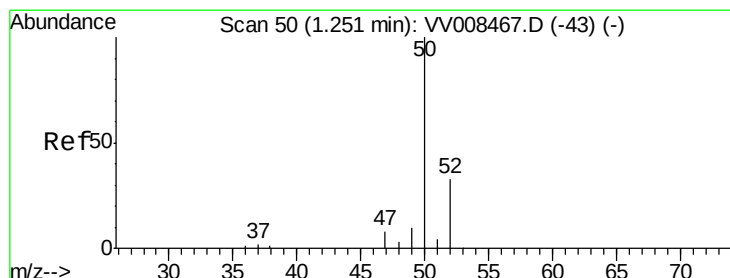
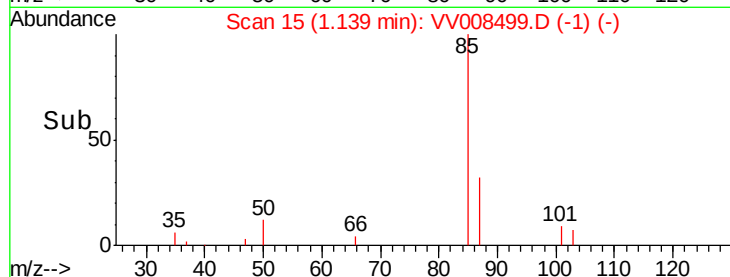
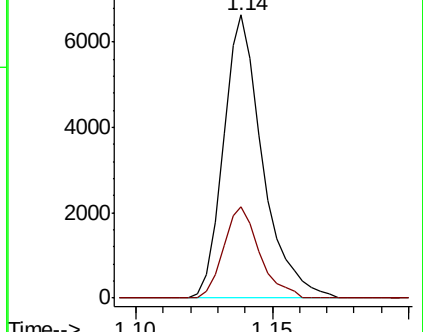
85 100

87 29.8 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) (-)



#3

Chloromethane

Concen: 4.427 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008499.D

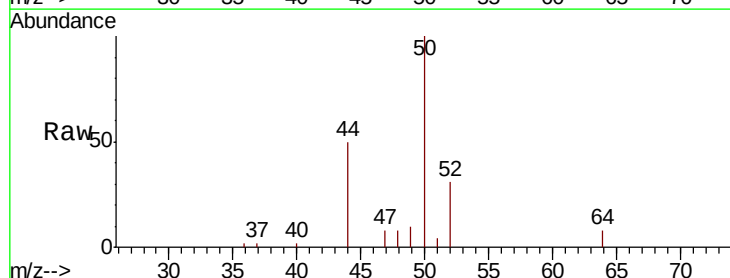
Acq: 31 Oct 2018 16:42

Tgt Ion: 50 Resp: 6977

Ion Ratio Lower Upper

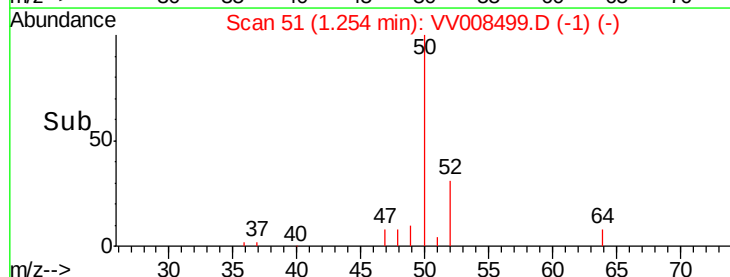
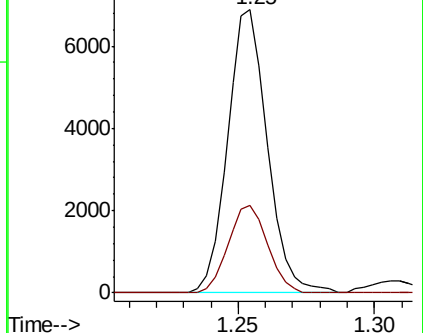
50 100

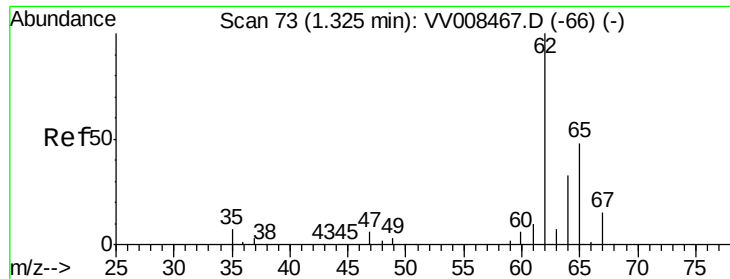
52 31.1 23.2 43.0



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

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





#5

Vinyl chloride

Concen: 4.150 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

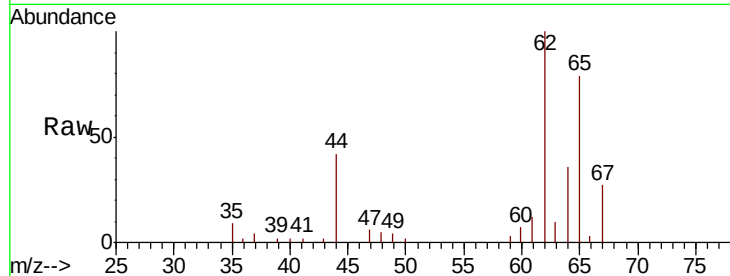
VSTD00553

Tgt Ion: 62 Resp: 6068

Ion Ratio Lower Upper

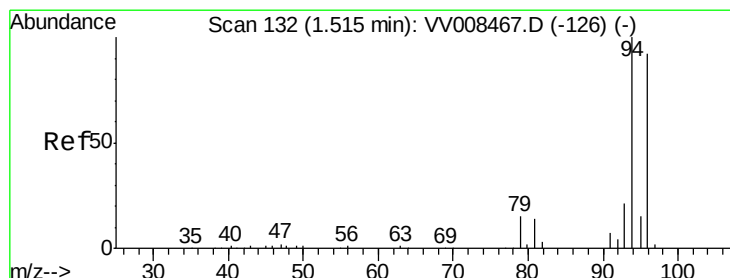
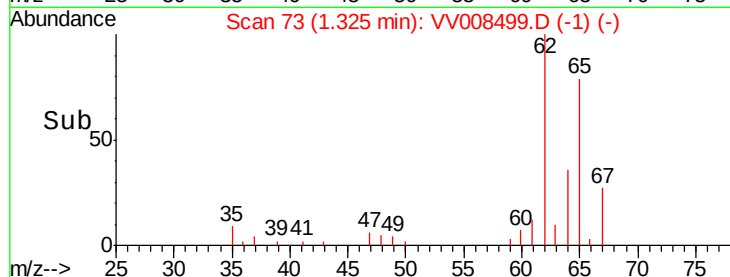
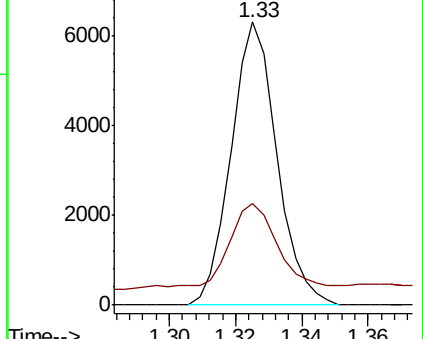
62 100

64 36.1 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) (-)



#6

Bromomethane

Concen: 4.294 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV008499.D

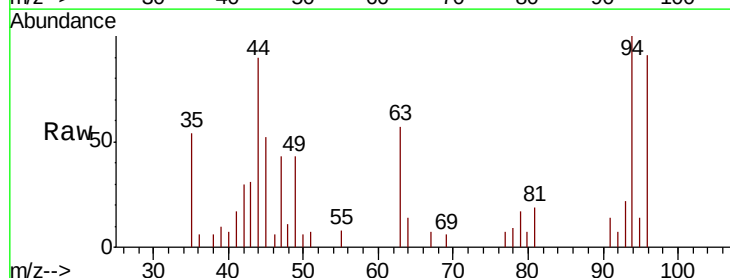
Acq: 31 Oct 2018 16:42

Tgt Ion: 94 Resp: 1701

Ion Ratio Lower Upper

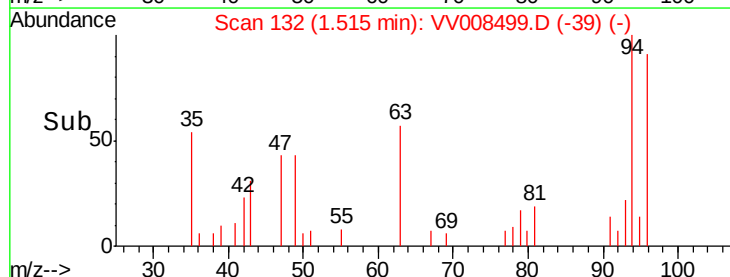
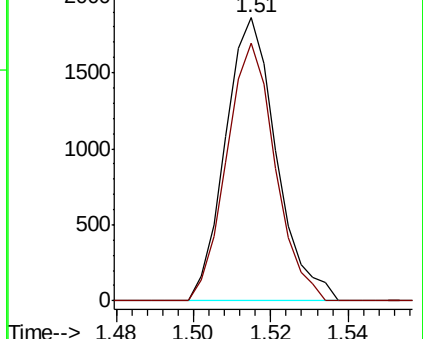
94 100

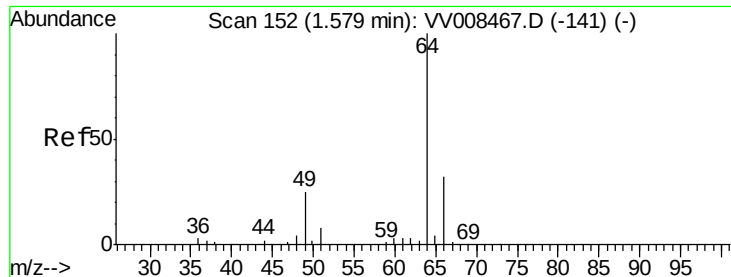
96 91.0 67.2 124.8



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

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





#8

Chloroethane

Concen: 4.988 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

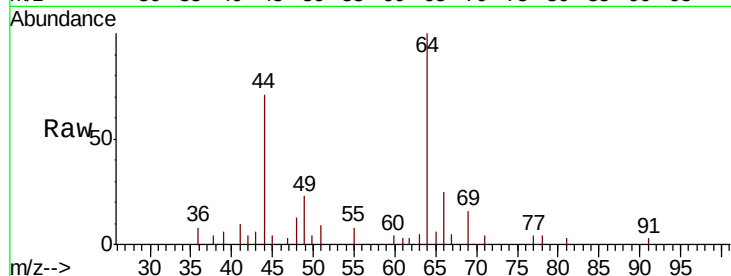
VSTD00553

Tgt Ion: 64 Resp: 3865

Ion Ratio Lower Upper

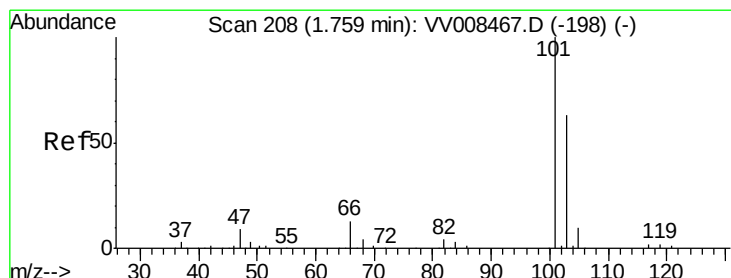
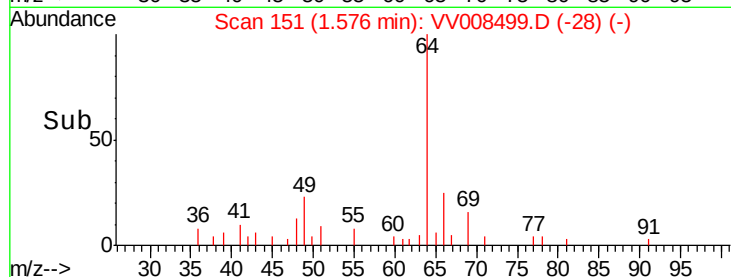
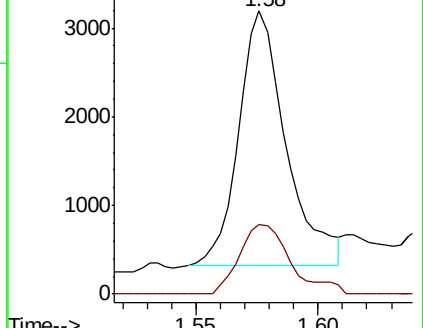
64 100

66 24.7 22.6 42.0



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

Ion 66.00 (65.70 to 66.70): VV008499.D (-84) (-)



#9

Trichlorofluoromethane

Concen: 4.005 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV008499.D

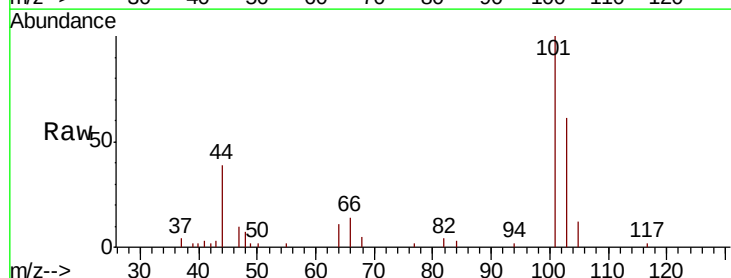
Acq: 31 Oct 2018 16:42

Tgt Ion: 101 Resp: 7446

Ion Ratio Lower Upper

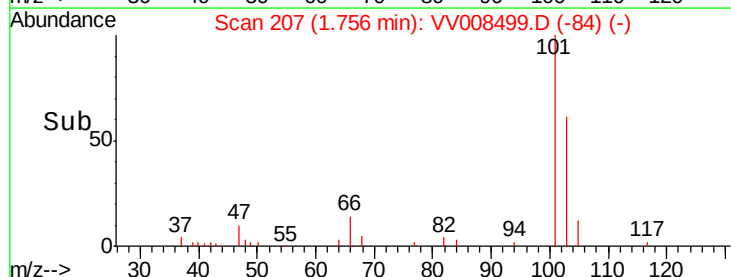
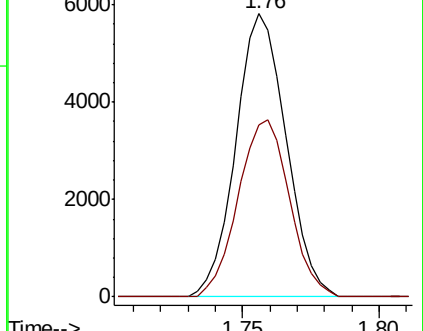
101 100

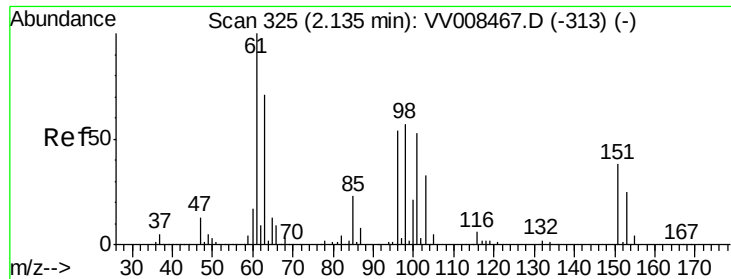
103 63.6 52.1 78.1



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

Ion 103.00 (102.70 to 103.70): VV008499.D (-84) (-)





#10

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

Concen: 4.244 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

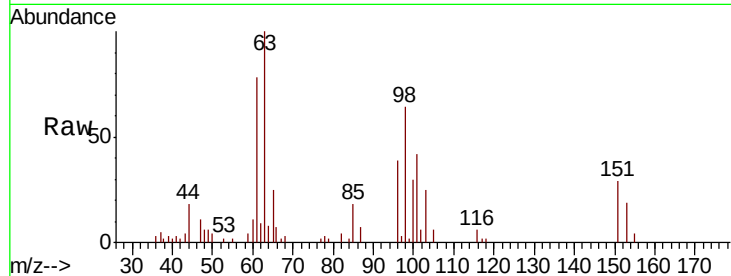
Tgt Ion:101 Resp: 4140

Ion Ratio Lower Upper

101 100

85 44.7 35.6 53.4

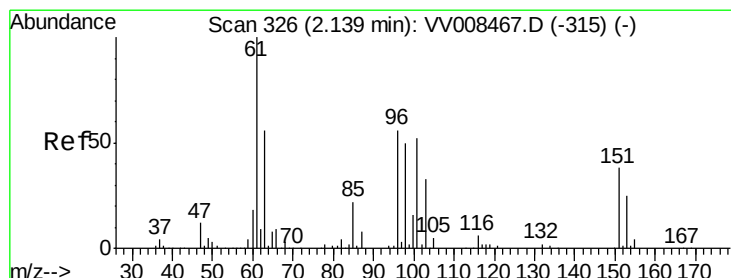
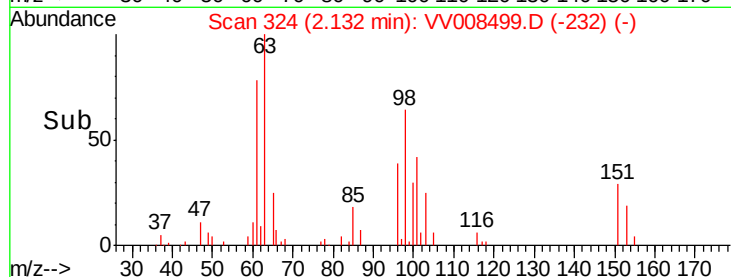
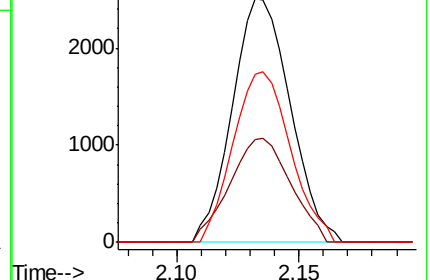
151 69.1 57.8 86.8



Abundance Ion 101.00 (100.70 to 101.70): VV008467.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV008467.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV008467.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 4.011 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

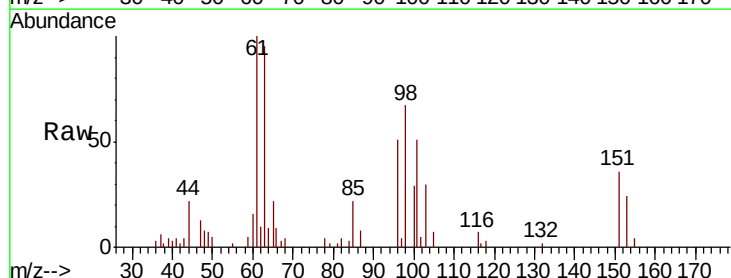
Tgt Ion: 96 Resp: 3687

Ion Ratio Lower Upper

96 100

61 194.7 129.8 241.2

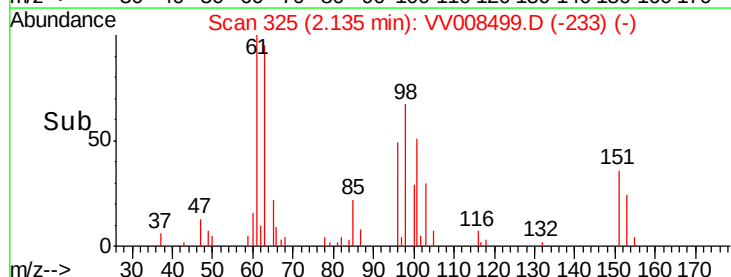
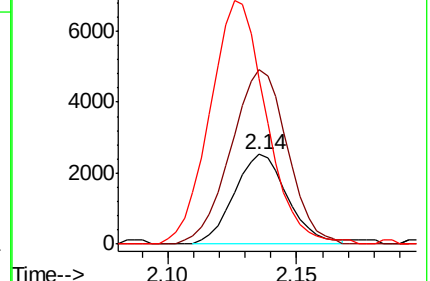
63 185.6 93.0 172.6#

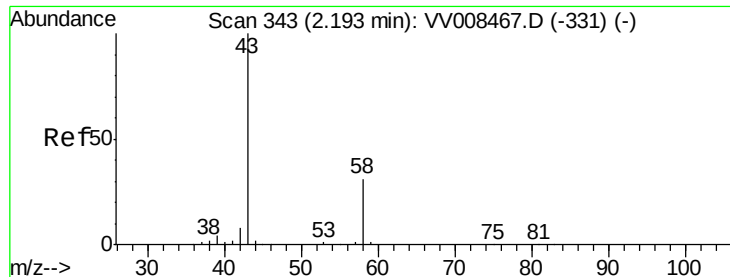


Abundance Ion 96.00 (95.70 to 96.70): VV008467.D (-315) (-)

Ion 61.00 (60.70 to 61.70): VV008467.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV008467.D (-315) (-)





#13

Acetone

Concen: 7.916 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

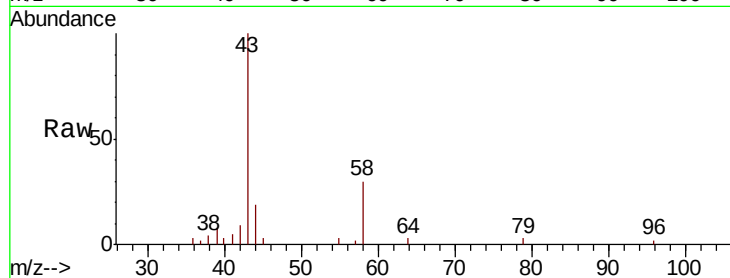
VSTD00553

Tgt Ion: 43 Resp: 8046

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VV008467.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008467.D (-331) (-)

6000

5000

4000

3000

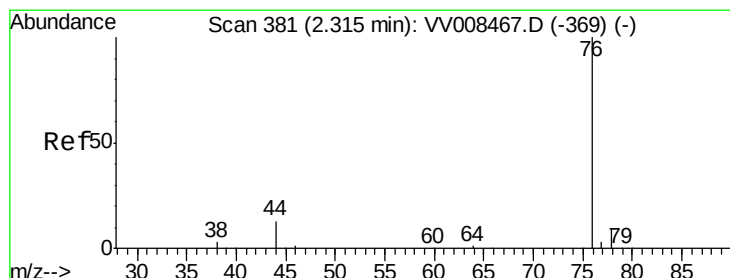
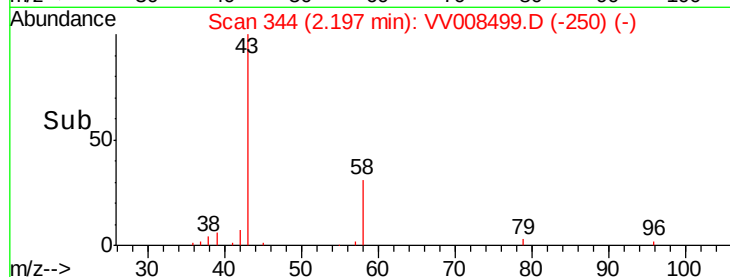
2000

1000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 4.681 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV008499.D

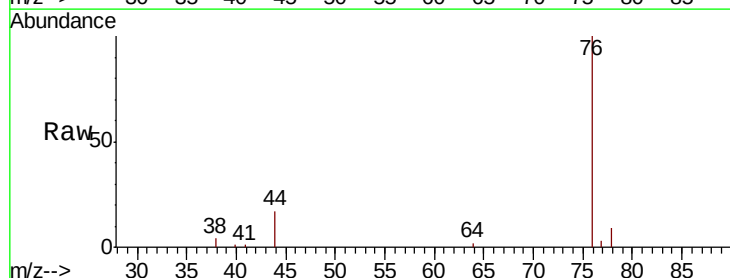
Acq: 31 Oct 2018 16:42

Tgt Ion: 76 Resp: 19481

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV008467.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV008467.D (-369) (-)

15000

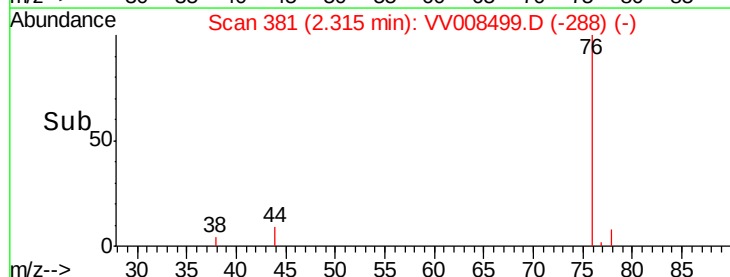
10000

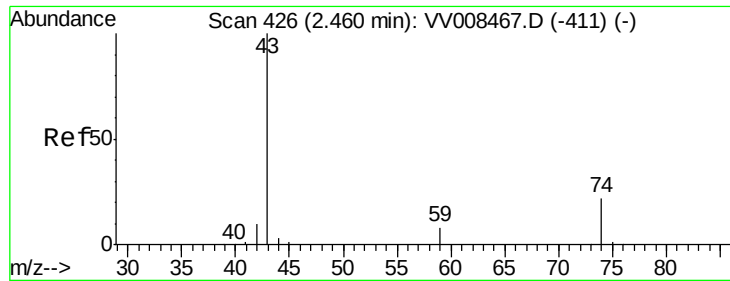
5000

0

2.25 2.30 2.35

Time-->

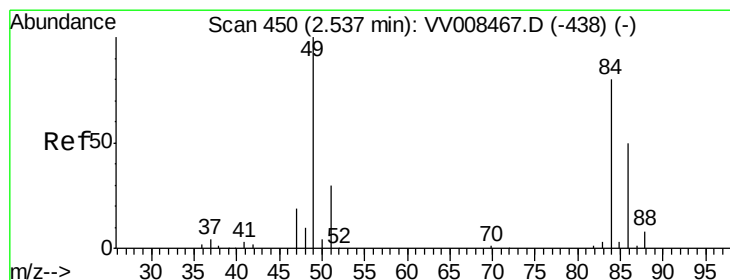
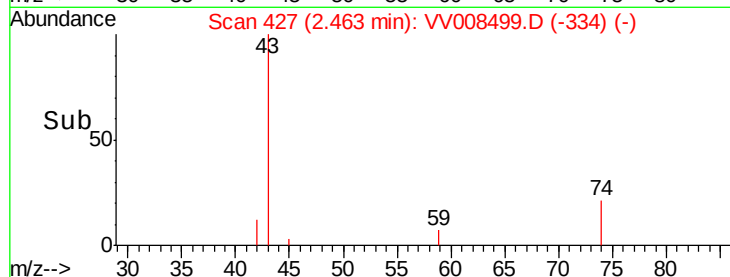
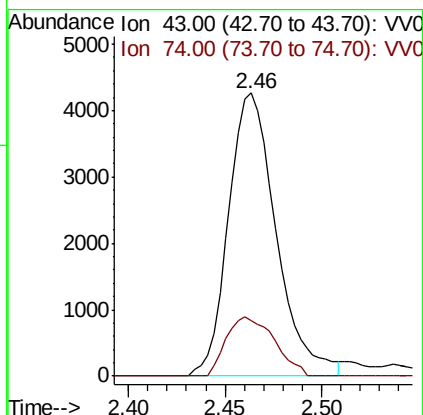
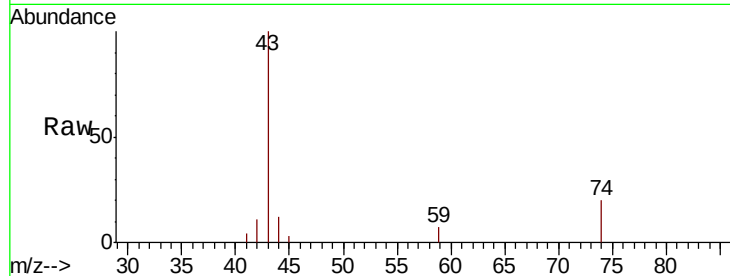




#15
Methyl Acetate
Concen: 3.861 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV008499.D
Acq: 31 Oct 2018 16:42

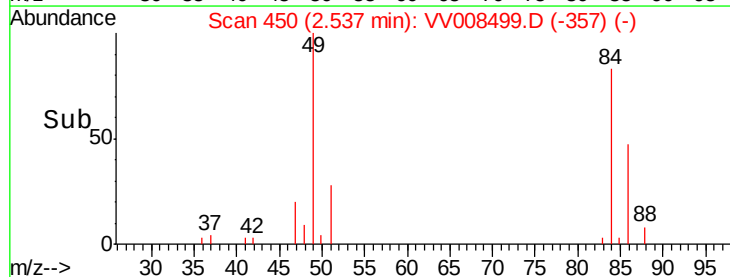
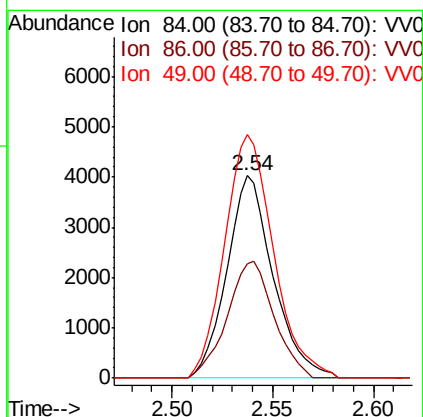
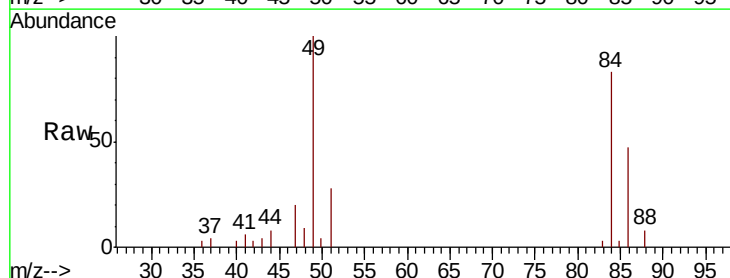
Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

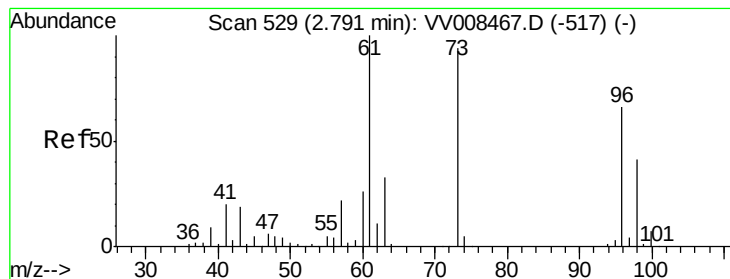
Tgt Ion: 43 Resp: 7328
Ion Ratio Lower Upper
43 100
74 21.1 17.8 26.6



#16
Methylene chloride
Concen: 4.051 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008499.D
Acq: 31 Oct 2018 16:42

Tgt Ion: 84 Resp: 6472
Ion Ratio Lower Upper
84 100
86 56.7 42.8 79.4
49 120.4 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 4.255 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

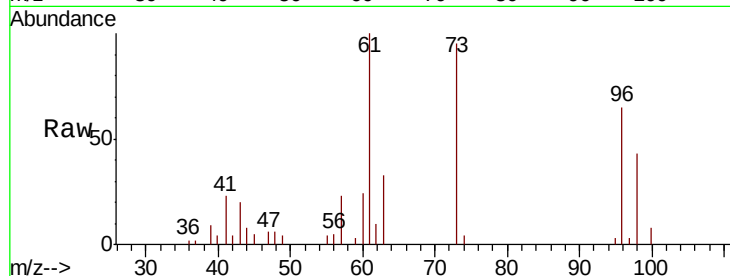
Tgt Ion: 96 Resp: 5967

Ion Ratio Lower Upper

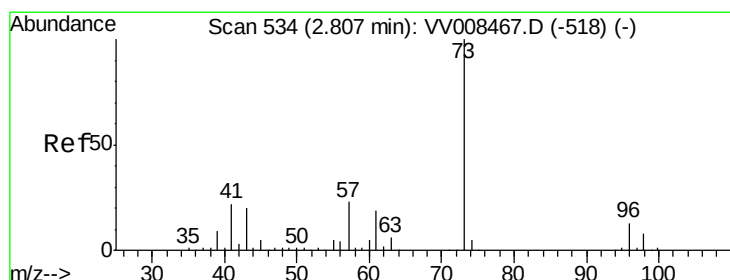
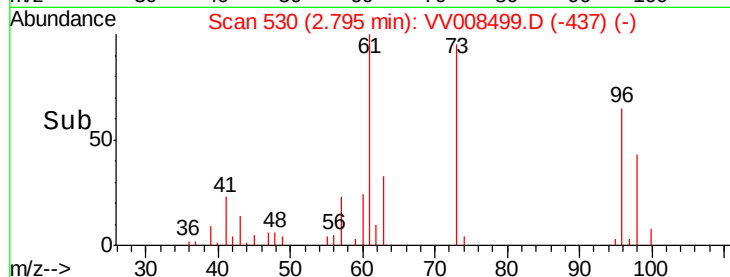
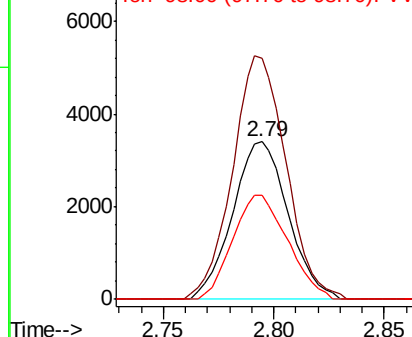
96 100

61 152.8 105.5 195.9

98 66.0 44.8 83.2



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



#18

Methyl tert-butyl Ether

Concen: 3.983 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

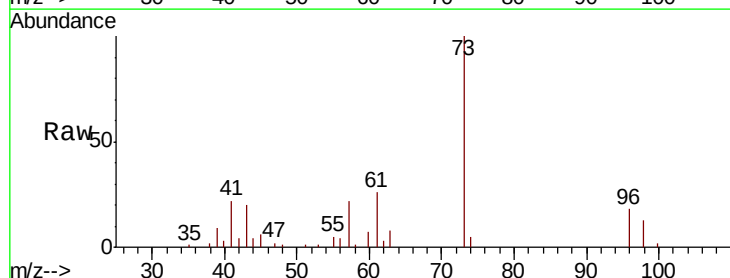
Tgt Ion: 73 Resp: 19915

Ion Ratio Lower Upper

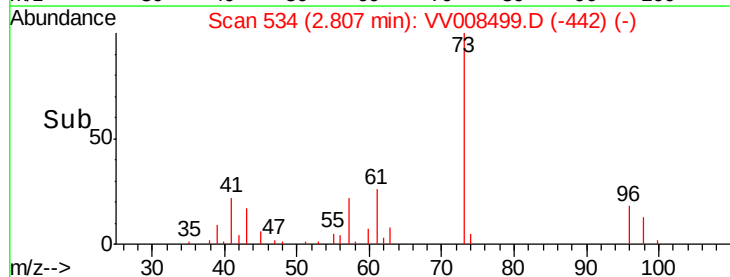
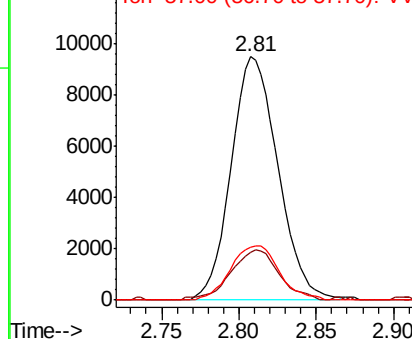
73 100

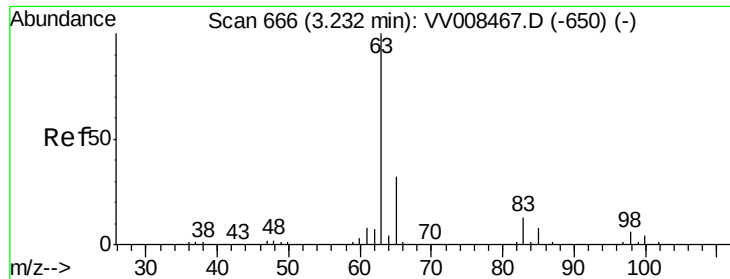
43 21.2 15.6 23.4

57 23.3 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

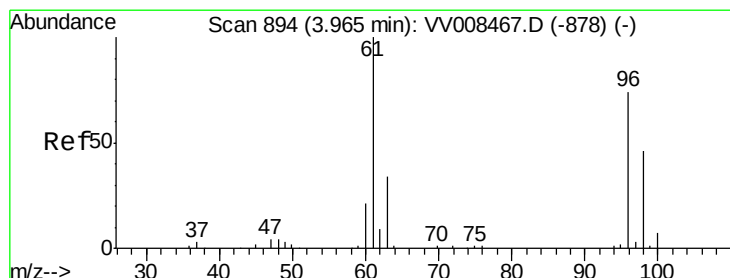
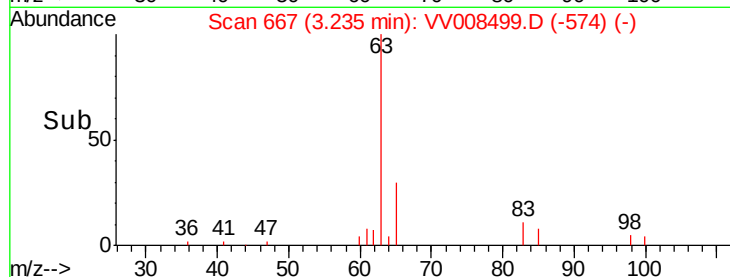
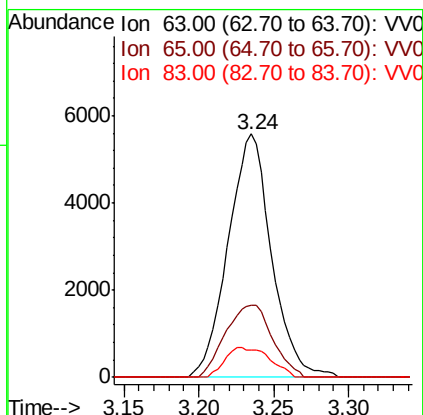
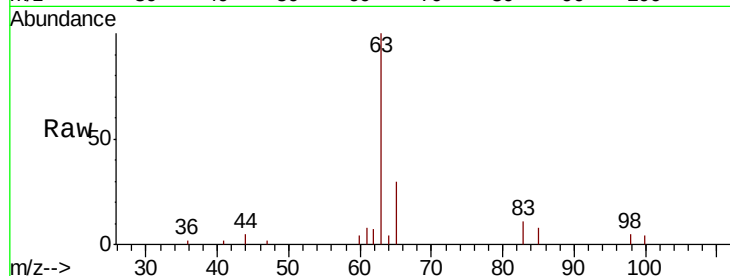




#19
 1,1-Dichloroethane
 Concen: 3.907 ug/L
 RT: 3.24 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV008499.D
 Acq: 31 Oct 2018 16:42

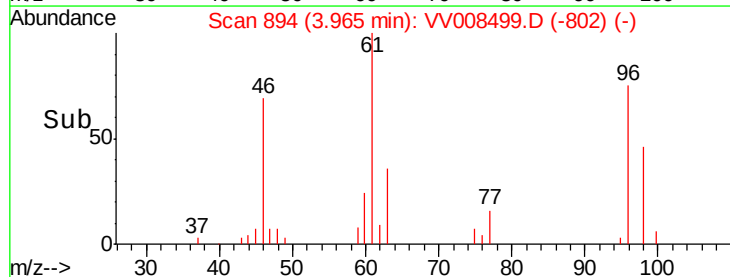
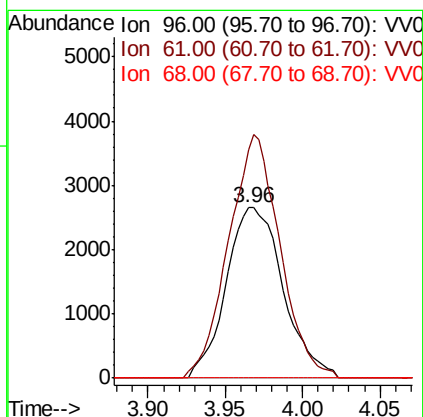
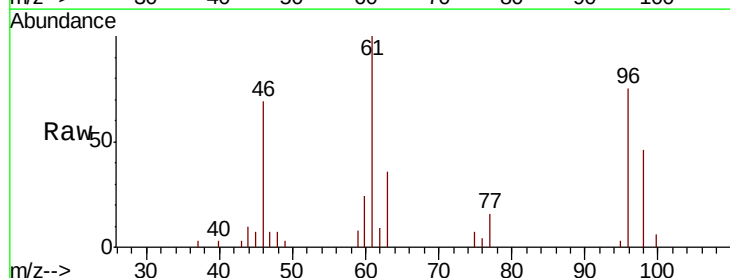
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

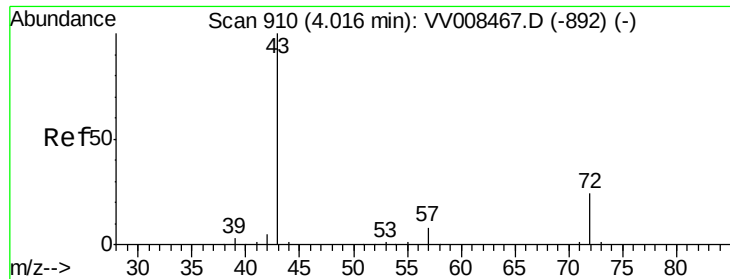
Tgt Ion: 63 Resp: 11256
 Ion Ratio Lower Upper
 63 100
 65 29.7 22.3 41.5
 83 11.3 9.0 16.6



#20
 cis-1,2-Dichloroethene
 Concen: 4.248 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV008499.D
 Acq: 31 Oct 2018 16:42

Tgt Ion: 96 Resp: 6787
 Ion Ratio Lower Upper
 96 100
 61 133.7 96.3 178.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 7.216 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

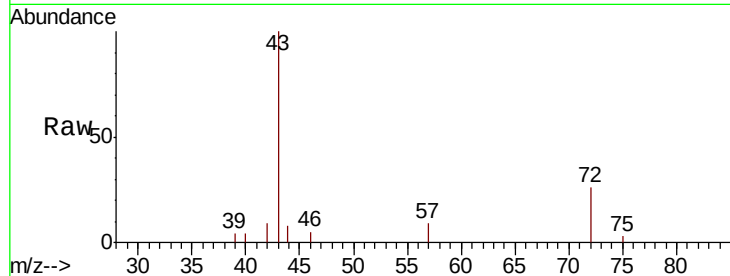
VSTD00553

Tgt Ion: 43 Resp: 10278

Ion Ratio Lower Upper

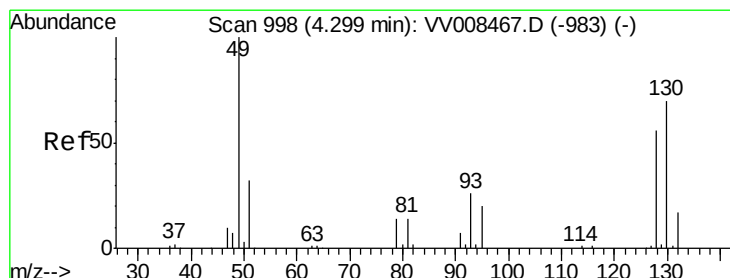
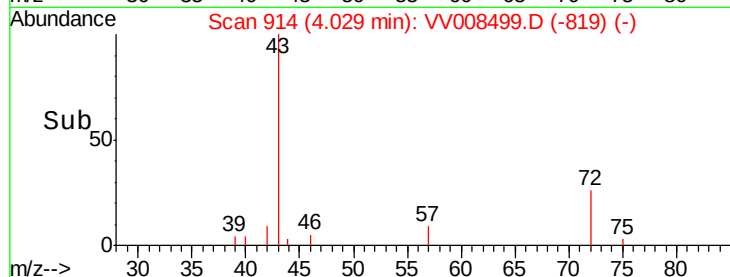
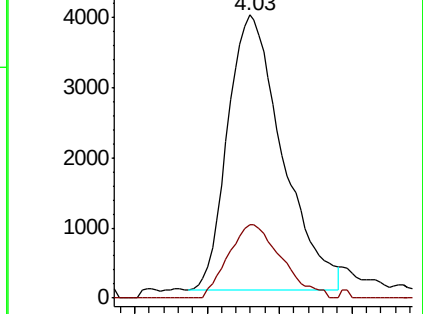
43 100

72 25.9 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV008467.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VV008467.D (-892) (-)



#23

Bromochloromethane

Concen: 3.976 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Tgt Ion: 128 Resp: 2987

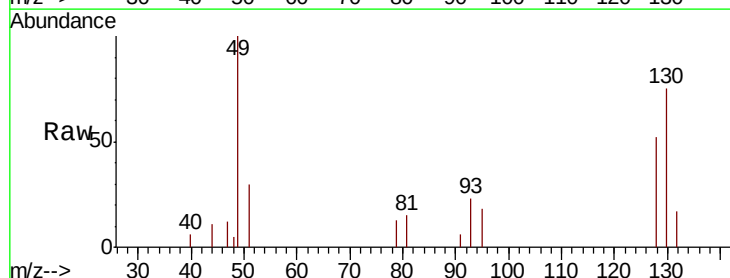
Ion Ratio Lower Upper

128 100

49 191.8 129.4 240.4

130 144.4 92.1 171.1

51 57.8 47.4 71.2

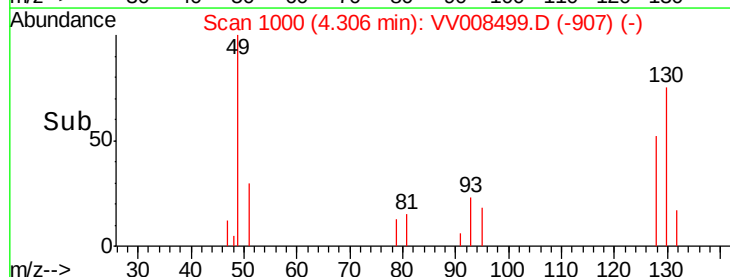
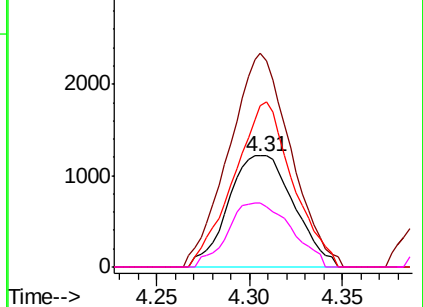


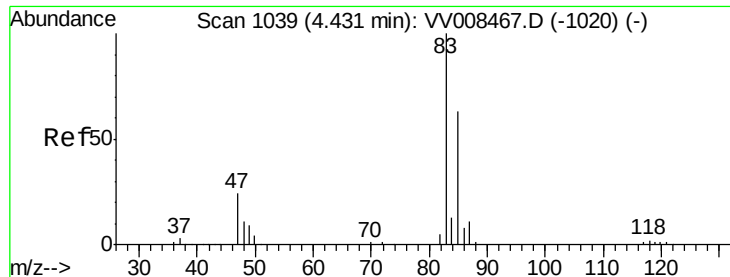
Abundance Ion 128.00 (127.70 to 128.70): VV008467.D (-983) (-)

Ion 49.00 (48.70 to 49.70): VV008467.D (-983) (-)

Ion 130.00 (129.70 to 130.70): VV008467.D (-983) (-)

Ion 51.00 (50.70 to 51.70): VV008467.D (-983) (-)

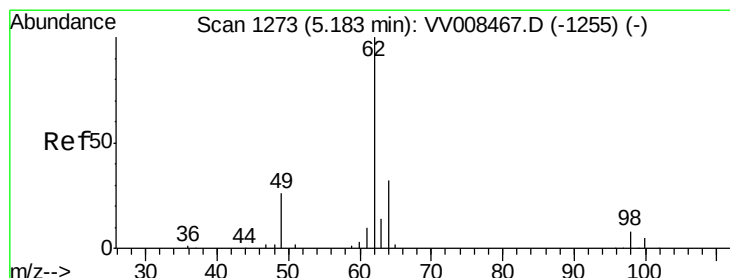
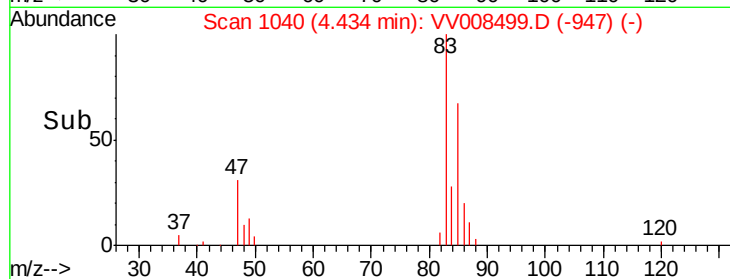
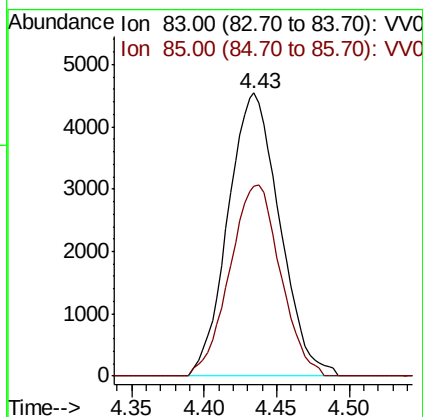
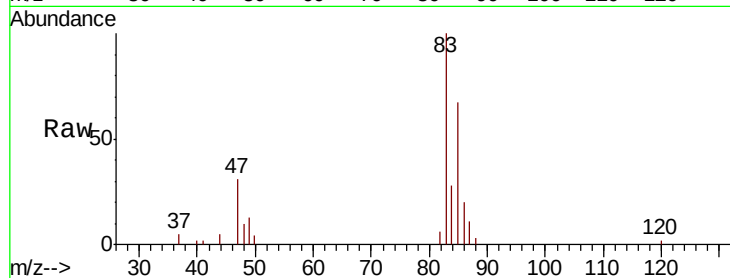




#25
Chloroform
Concen: 3.991 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008499.D
Acq: 31 Oct 2018 16:42

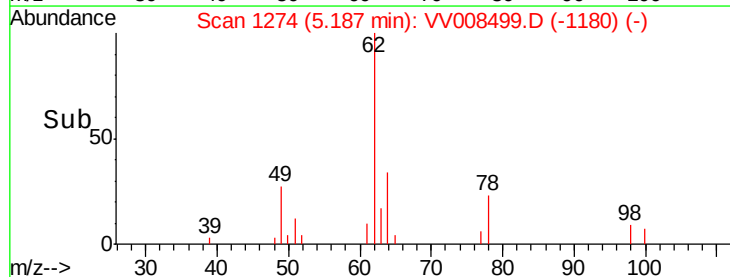
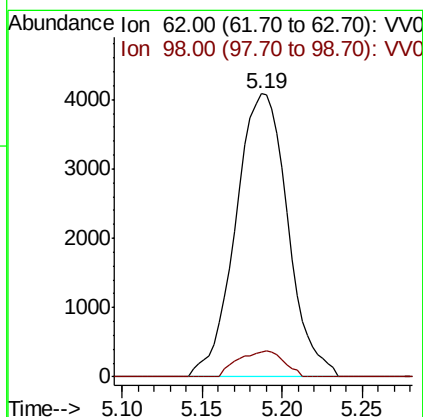
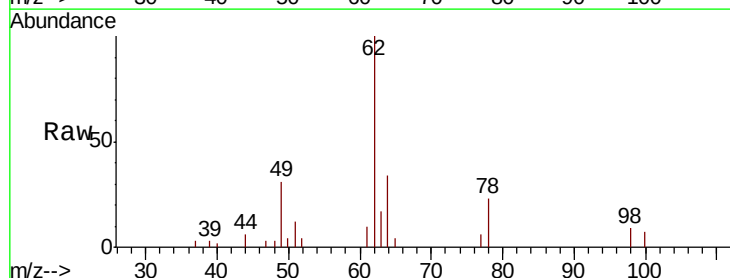
Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

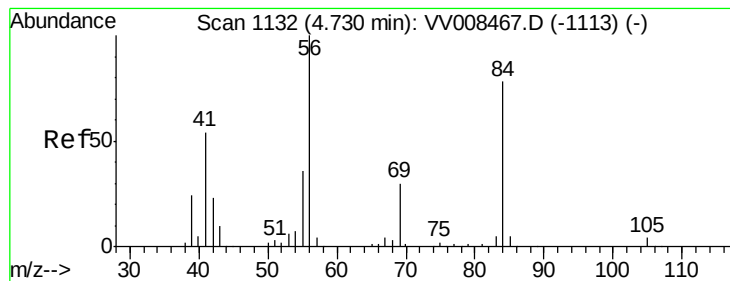
Tgt Ion: 83 Resp: 11239
Ion Ratio Lower Upper
83 100
85 67.1 45.9 85.3



#27
1,2-Dichloroethane
Concen: 3.895 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008499.D
Acq: 31 Oct 2018 16:42

Tgt Ion: 62 Resp: 9117
Ion Ratio Lower Upper
62 100
98 9.0 6.8 10.2





#29

Cyclohexane

Concen: 4.026 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

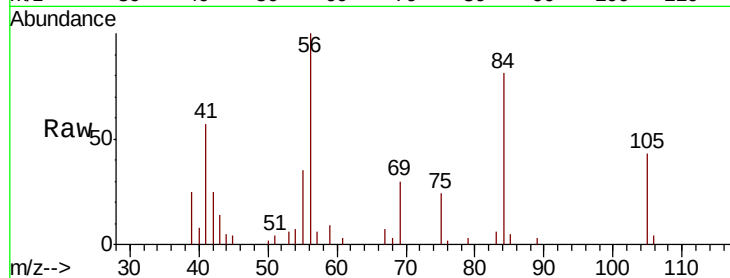
Tgt Ion: 56 Resp: 10868

Ion Ratio Lower Upper

56 100

69 29.5 24.2 36.2

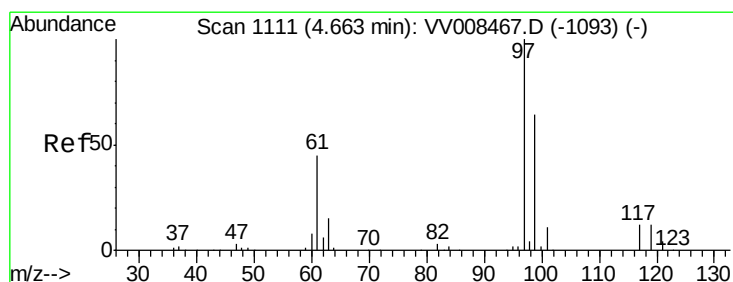
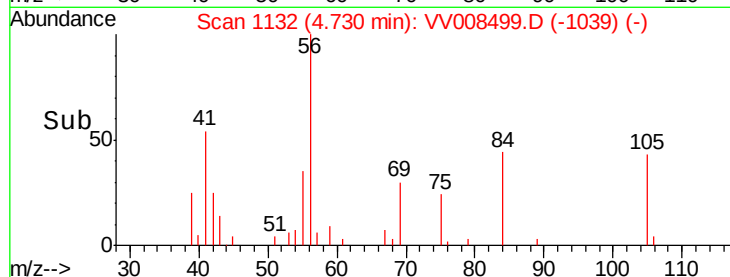
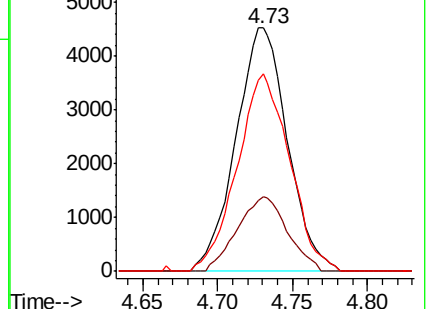
84 82.3 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VV008467.D (-1113) (-)

Ion 69.00 (68.70 to 69.70): VV008467.D (-1113) (-)

Ion 84.00 (83.70 to 84.70): VV008467.D (-1113) (-)



#30

1,1,1-Trichloroethane

Concen: 3.811 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

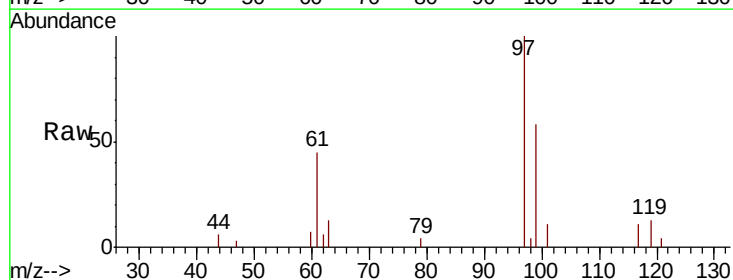
Tgt Ion: 97 Resp: 9142

Ion Ratio Lower Upper

97 100

99 38.5 51.8 77.6#

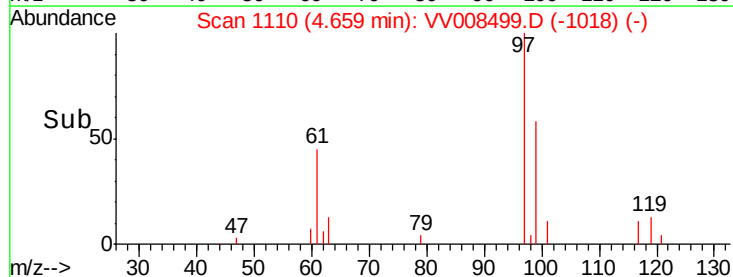
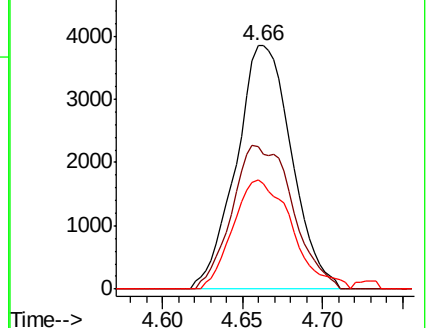
61 47.8 36.2 54.2

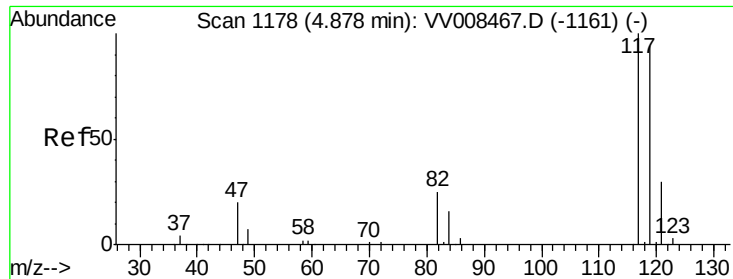


Abundance Ion 97.00 (96.70 to 97.70): VV008467.D (-1093) (-)

Ion 99.00 (98.70 to 99.70): VV008467.D (-1093) (-)

Ion 61.05 (60.75 to 61.75): VV008467.D (-1093) (-)





#31

Carbon tetrachloride

Concen: 3.862 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

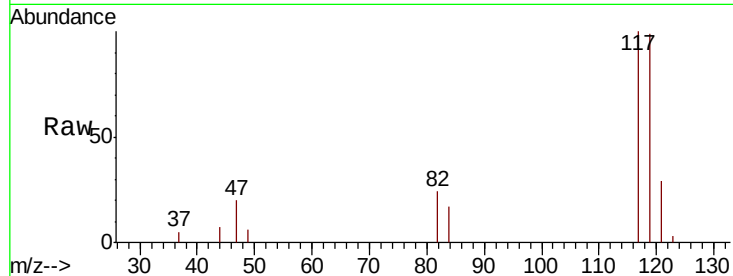
VSTD00553

Tgt Ion:117 Resp: 7868

Ion Ratio Lower Upper

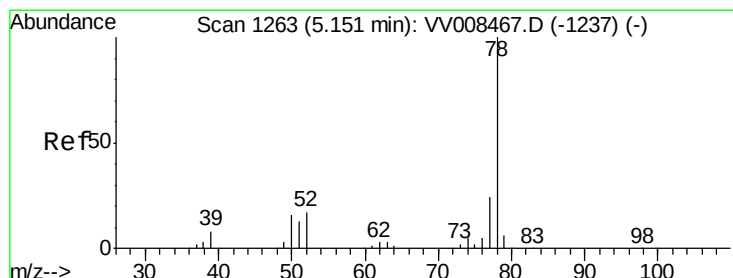
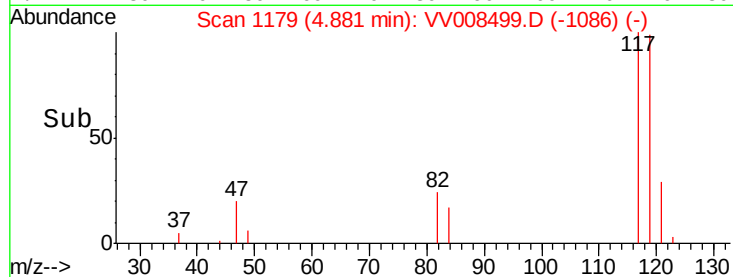
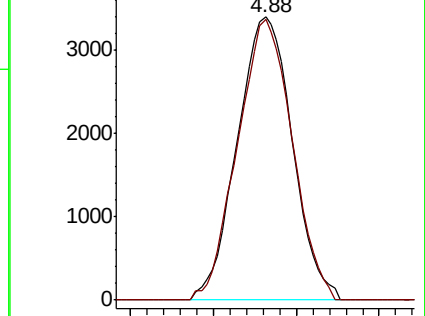
117 100

119 98.0 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 3.988 ug/L

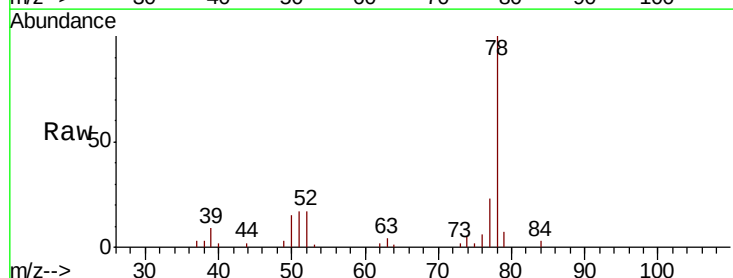
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

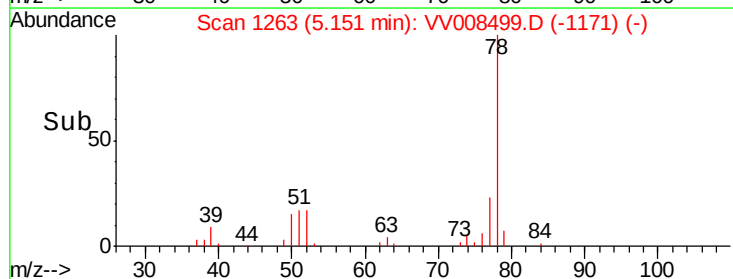
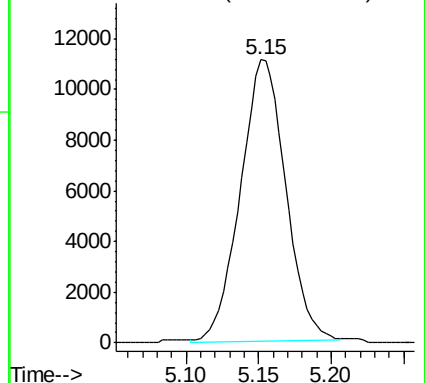
Lab File: VV008499.D

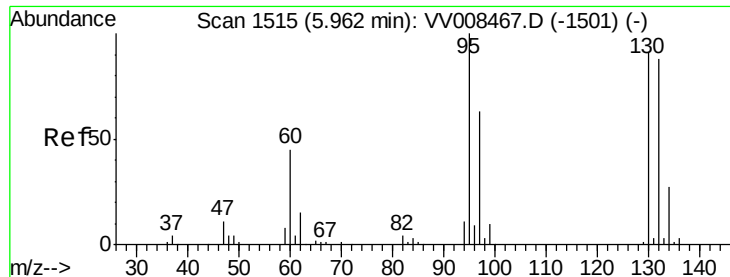
Acq: 31 Oct 2018 16:42

Tgt Ion: 78 Resp: 24139



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 4.292 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

Tgt Ion: 95 Resp: 6654

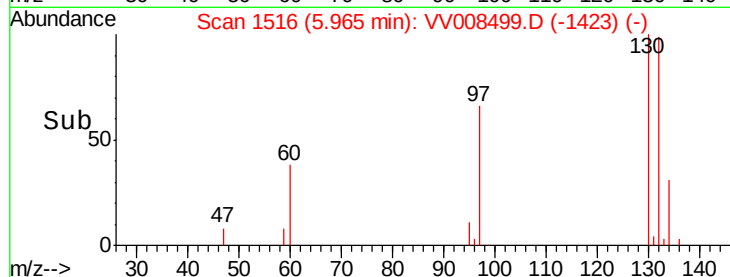
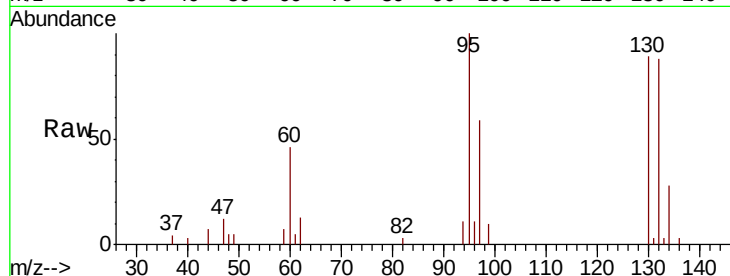
Ion Ratio Lower Upper

95 100

97 59.1 45.3 84.1

132 88.2 62.8 116.6

130 89.2 64.3 119.5

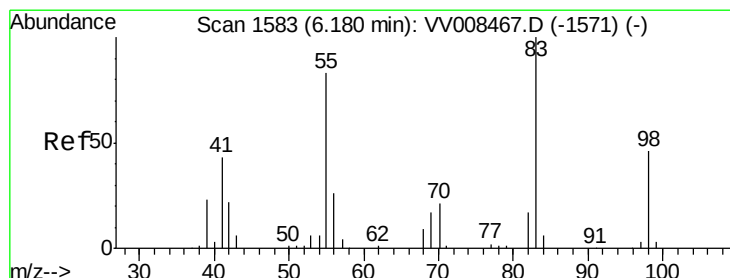
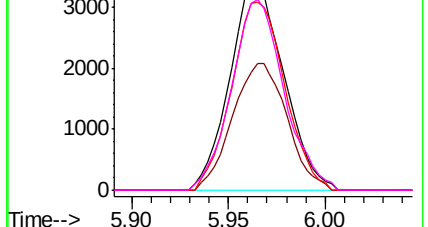


Abundance Ion 95.00 (94.70 to 95.70): VV008467.D (-1501) (-)

Ion 97.00 (96.70 to 97.70): VV008467.D (-1501) (-)

Ion 132.00 (131.70 to 132.70): VV008467.D (-1501) (-)

Ion 130.00 (129.70 to 130.70): VV008467.D (-1501) (-)



#35

Methylcyclohexane

Concen: 4.092 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

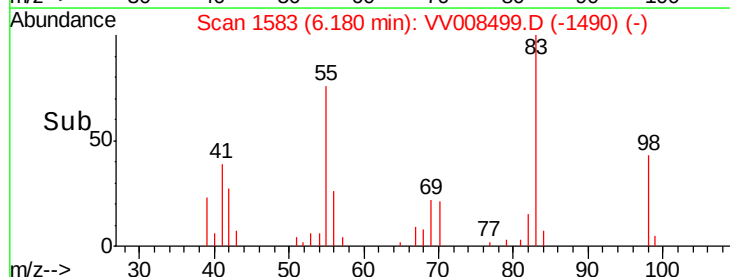
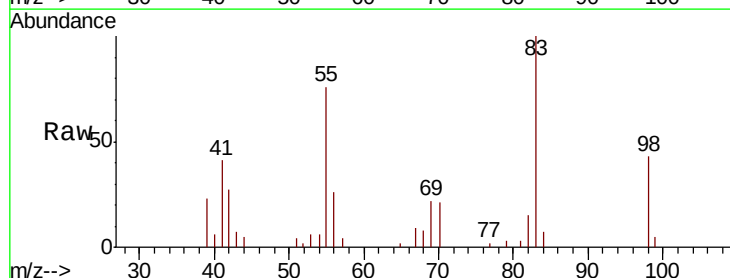
Tgt Ion: 83 Resp: 10804

Ion Ratio Lower Upper

83 100

55 78.1 63.8 95.8

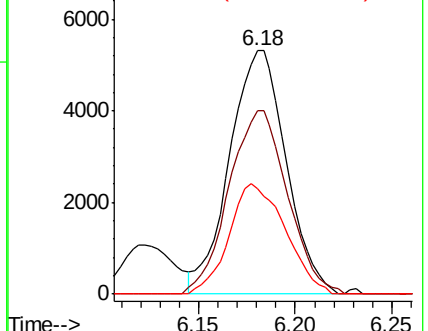
98 45.1 35.9 53.9

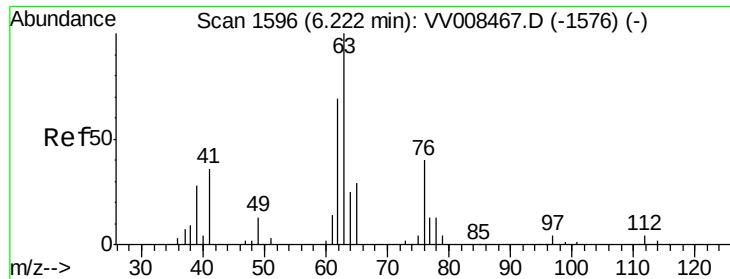


Abundance Ion 83.00 (82.70 to 83.70): VV008467.D (-1571) (-)

Ion 55.00 (54.70 to 55.70): VV008467.D (-1571) (-)

Ion 98.00 (97.70 to 98.70): VV008467.D (-1571) (-)

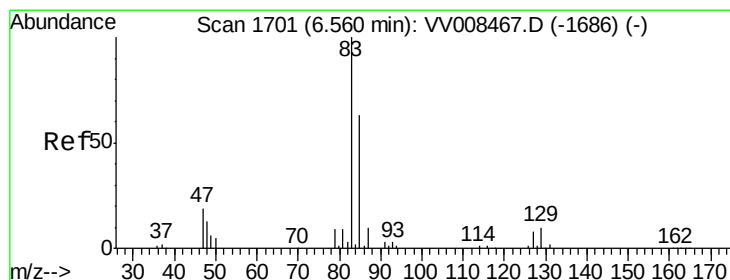
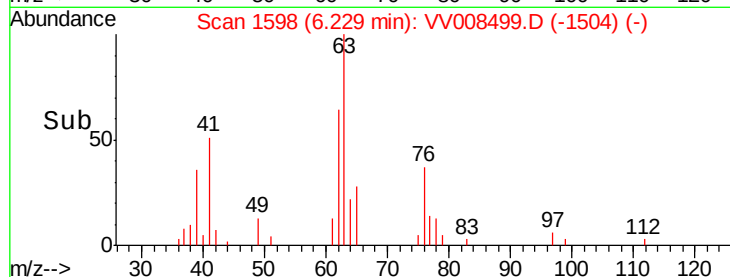
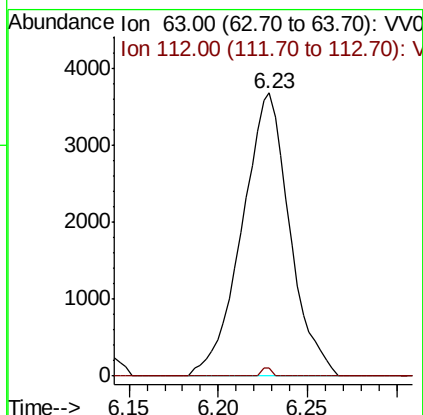
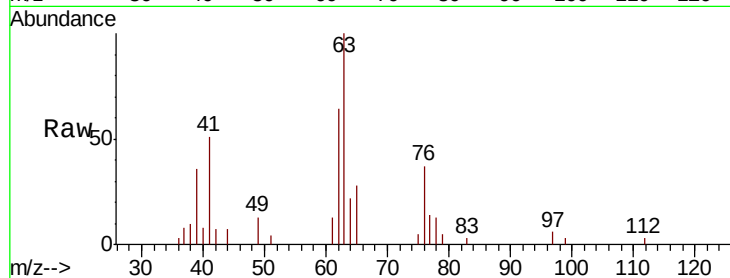




#37
 1,2-Dichloropropane
 Concen: 4.101 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV008499.D
 Acq: 31 Oct 2018 16:42

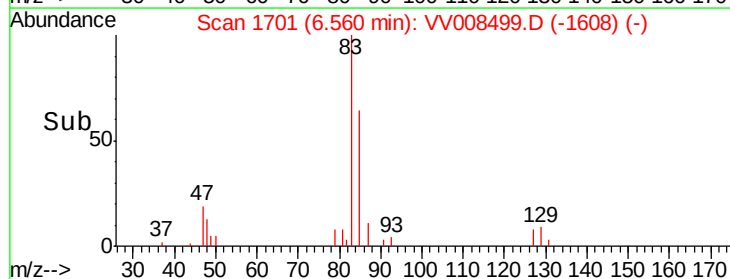
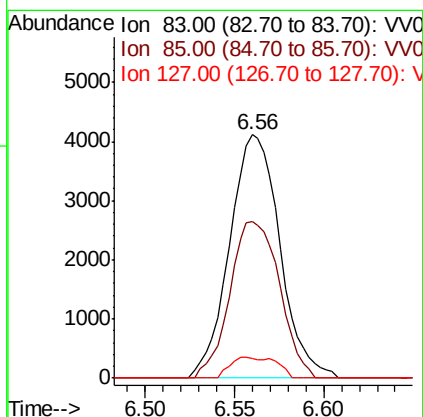
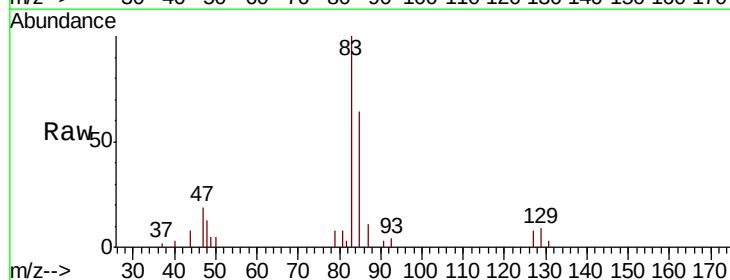
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

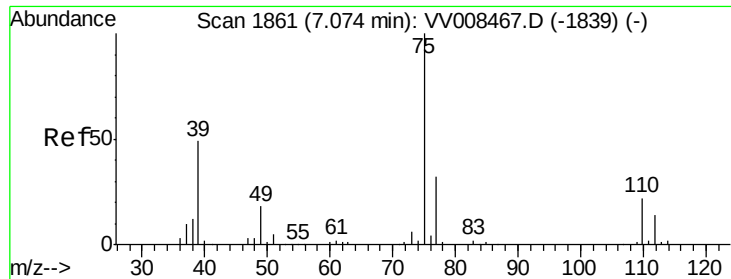
Tgt Ion: 63 Resp: 6867
 Ion Ratio Lower Upper
 63 100
 112 0.6 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 3.790 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008499.D
 Acq: 31 Oct 2018 16:42

Tgt Ion: 83 Resp: 8068
 Ion Ratio Lower Upper
 83 100
 85 64.4 43.3 80.5
 127 8.1 6.1 9.1

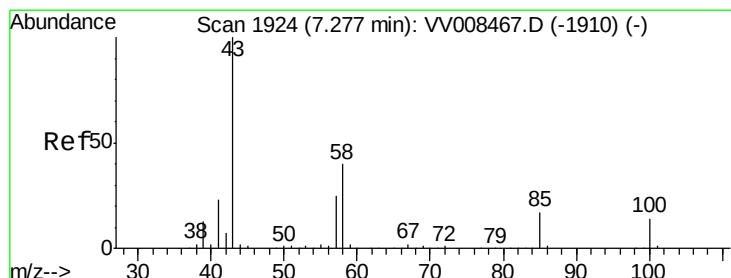
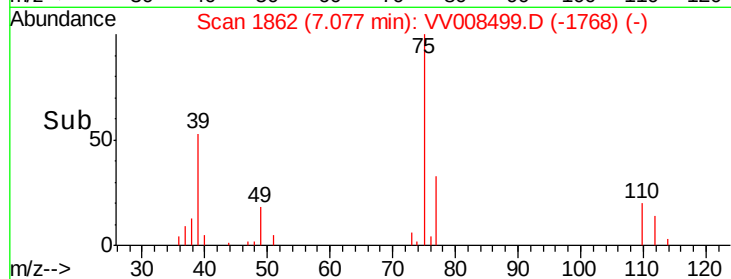
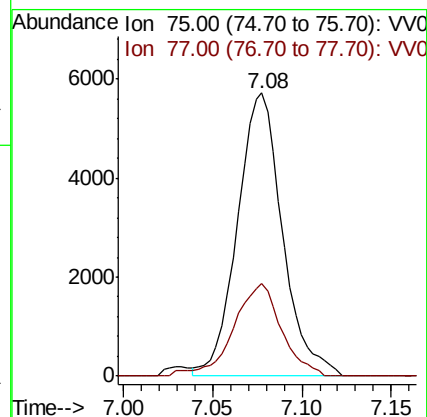
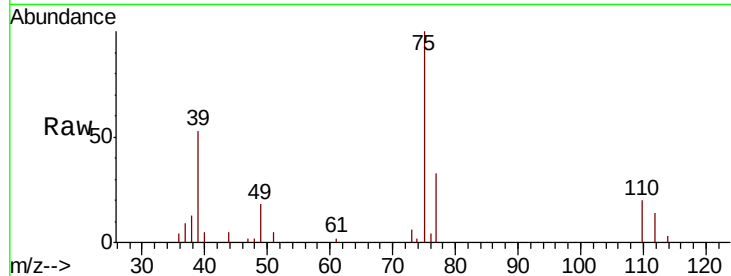




#39
 cis-1,3-Dichloropropene
 Concen: 3.843 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV008499.D
 Acq: 31 Oct 2018 16:42

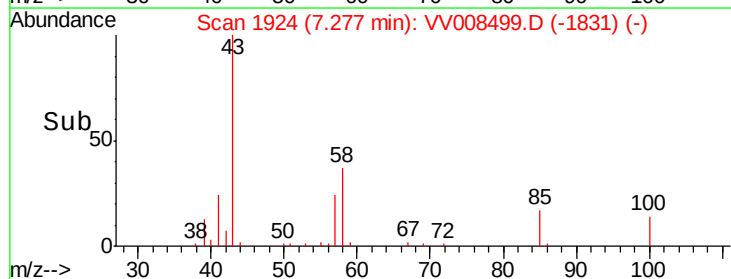
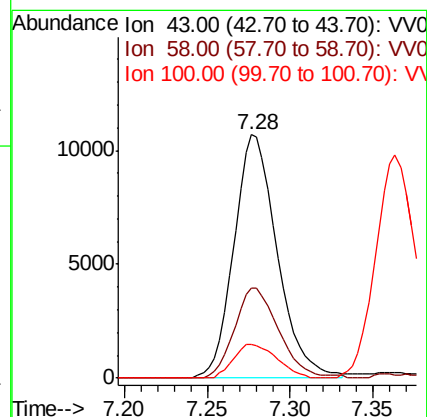
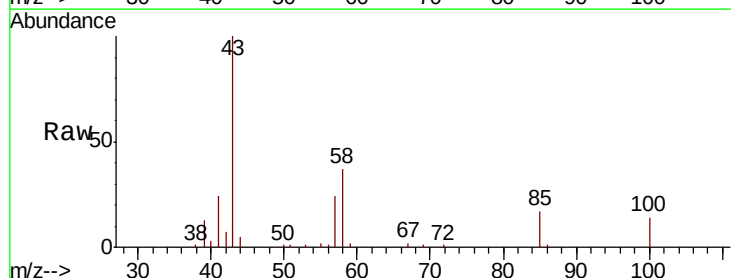
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

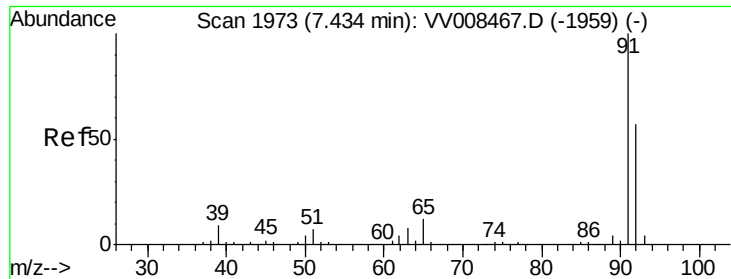
Tgt Ion: 75 Resp: 10097
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 7.825 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008499.D
 Acq: 31 Oct 2018 16:42

Tgt Ion: 43 Resp: 19411
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.8 46.2
 100 13.8 11.0 16.6





#42

Toluene

Concen: 3.992 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

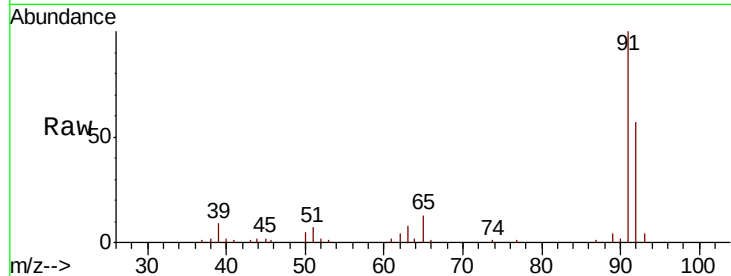
VSTD00553

Tgt Ion: 91 Resp: 25024

Ion Ratio Lower Upper

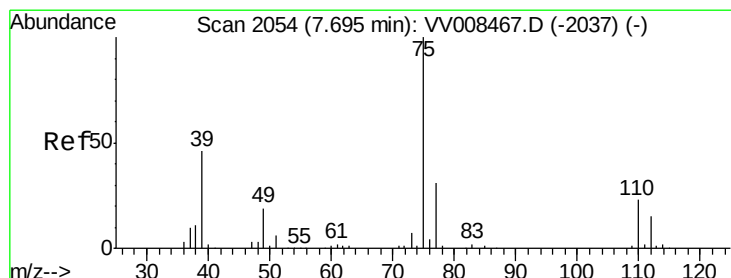
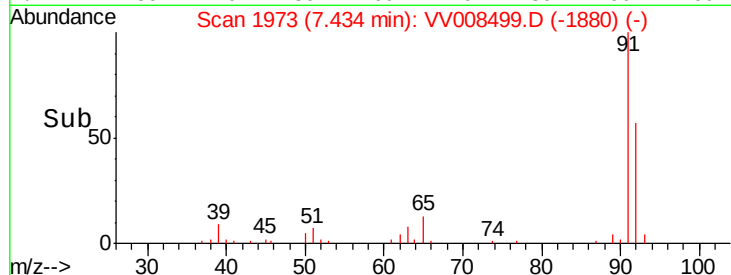
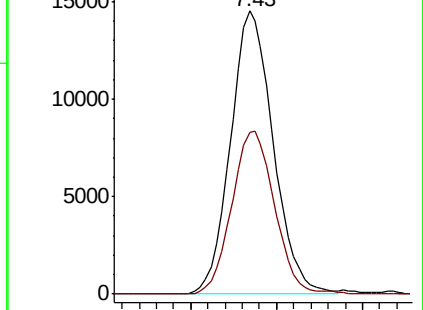
91 100

92 57.4 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) (-)



#44

trans-1,3-Dichloropropene

Concen: 3.875 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008499.D

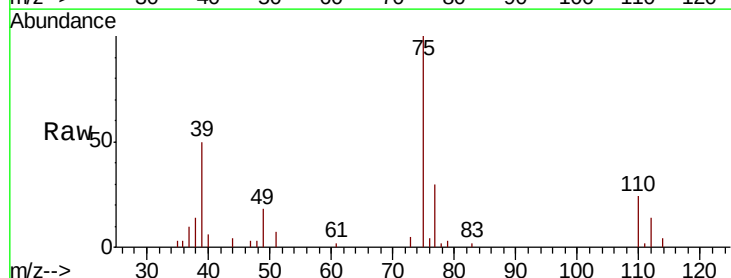
Acq: 31 Oct 2018 16:42

Tgt Ion: 75 Resp: 9537

Ion Ratio Lower Upper

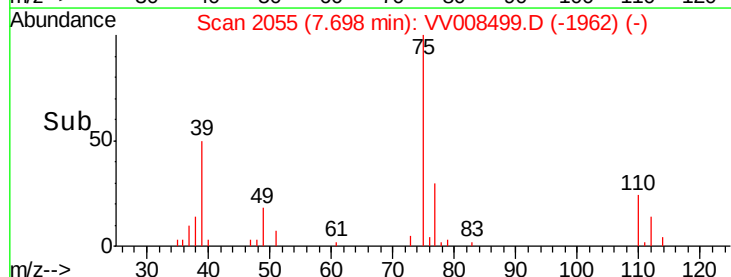
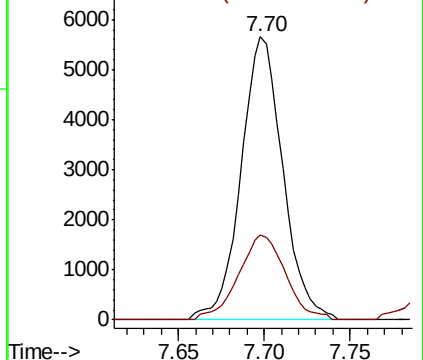
75 100

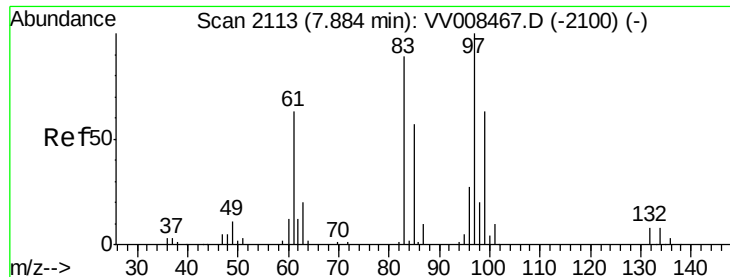
77 30.0 21.7 40.3



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

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

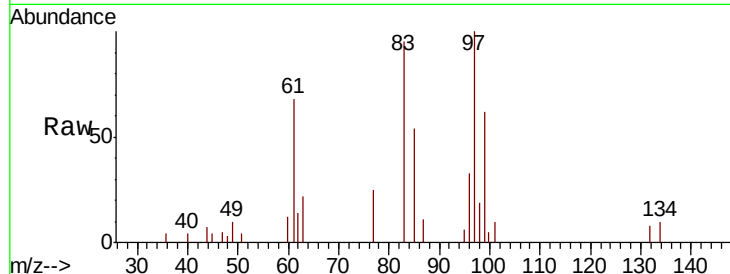




#45
 1,1,2-Trichloroethane
 Concen: 3.932 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008499.D
 Acq: 31 Oct 2018 16:42

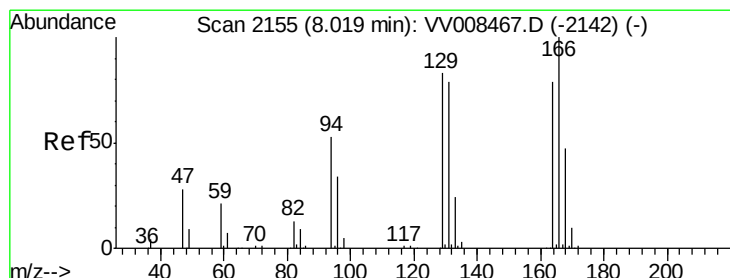
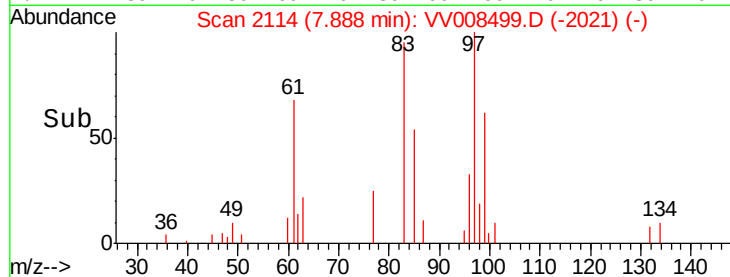
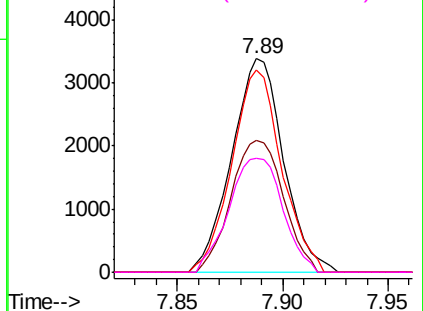
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

Tgt Ion:	97	Resp:	5797
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.7	83.1
83	94.9	63.6	118.0
85	53.6	40.9	75.9



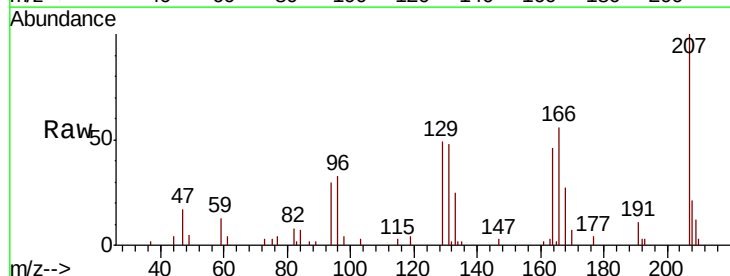
Abundance

Ion 97.00 (96.70 to 97.70): VV008499.D (-2100) (-)



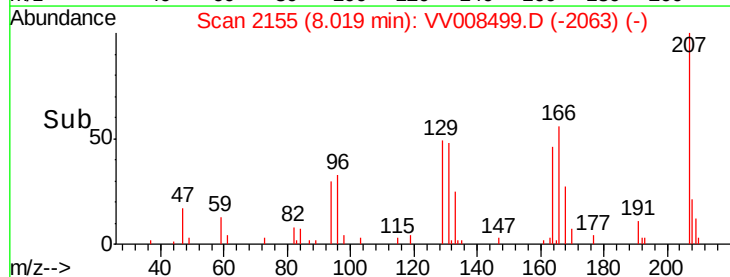
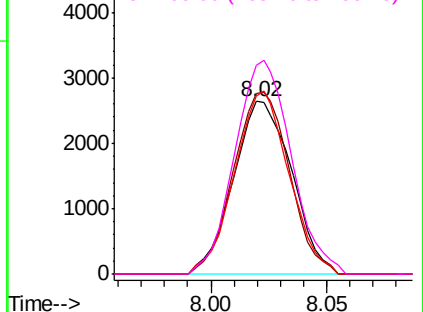
#46
 Tetrachloroethene
 Concen: 4.539 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV008499.D
 Acq: 31 Oct 2018 16:42

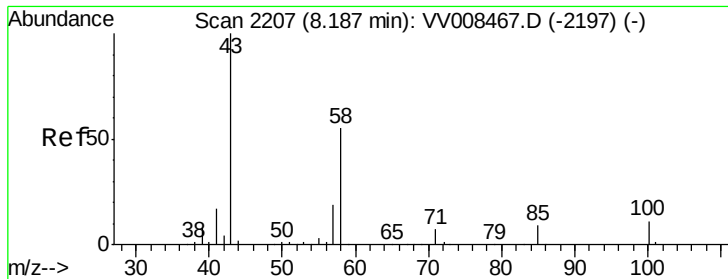
Tgt Ion:	164	Resp:	4618
Ion	Ratio	Lower	Upper
164	100		
129	104.5	72.0	133.6
131	103.3	68.8	127.8
166	120.7	86.5	160.7



Abundance

Ion 164.00 (163.70 to 164.70): VV008499.D (-2063) (-)

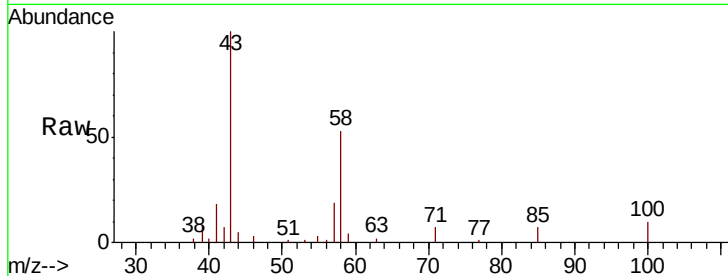




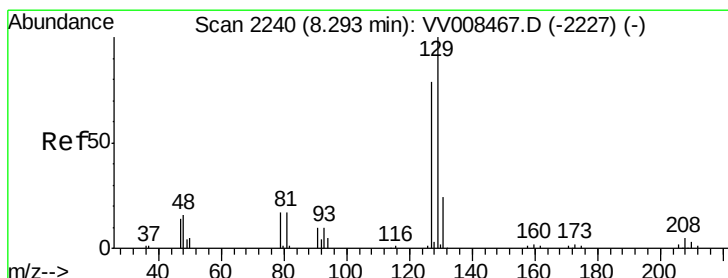
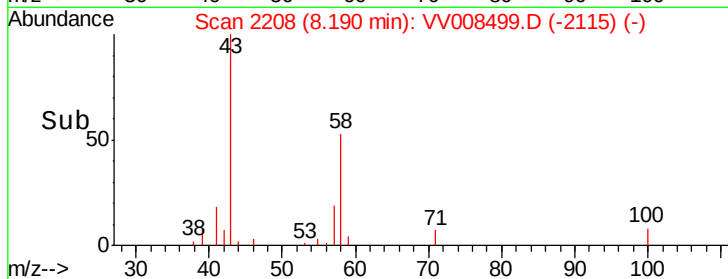
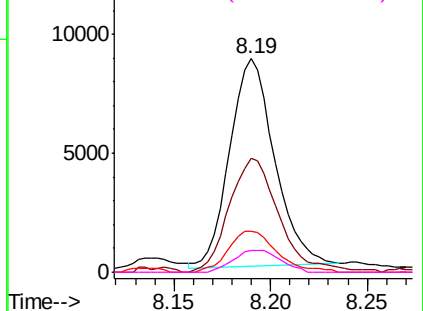
#48
2-Hexanone
Concen: 7.282 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008499.D
Acq: 31 Oct 2018 16:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

Tgt Ion: 43 Resp: 14149
Ion Ratio Lower Upper
43 100
58 60.8 43.6 65.4
57 21.4 15.0 22.6
100 10.9 8.3 12.5

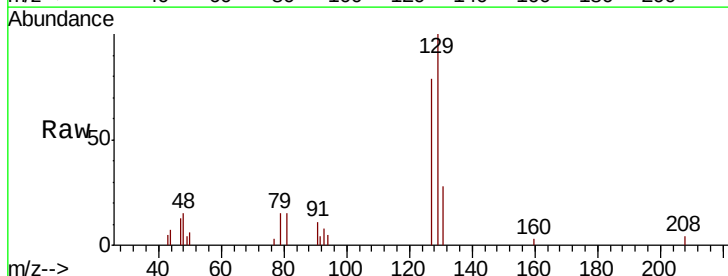


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

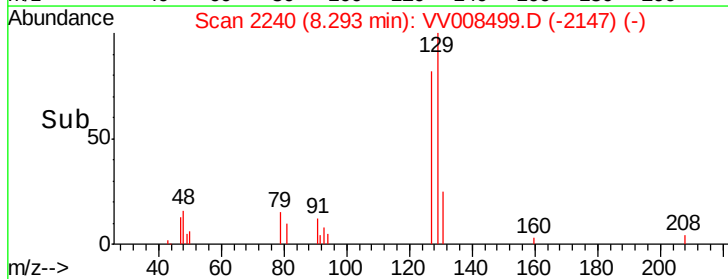
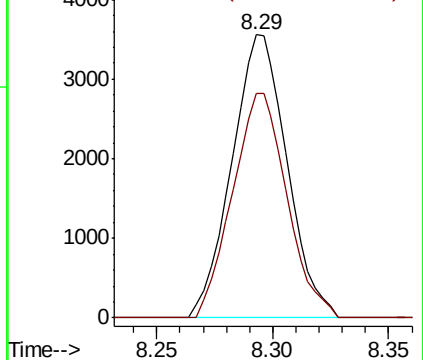


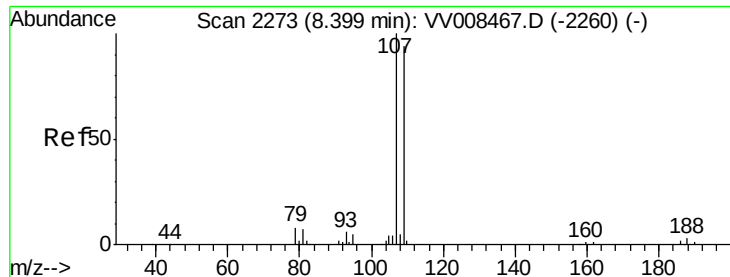
#49
Dibromochloromethane
Concen: 3.705 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008499.D
Acq: 31 Oct 2018 16:42

Tgt Ion: 129 Resp: 5877
Ion Ratio Lower Upper
129 100
127 79.3 53.9 100.1



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

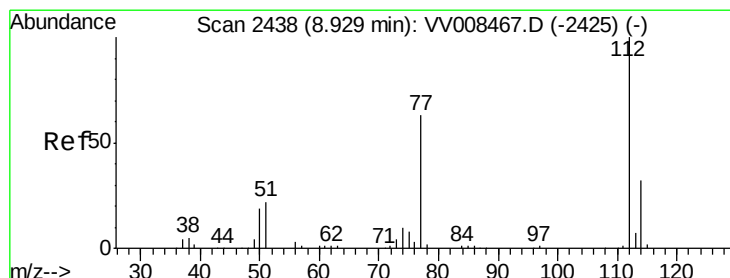
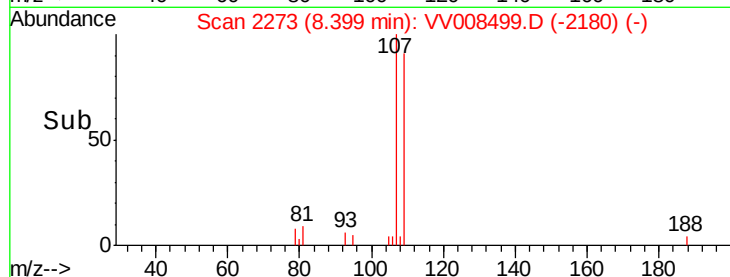
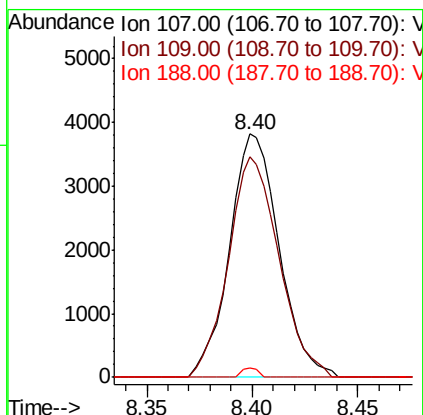
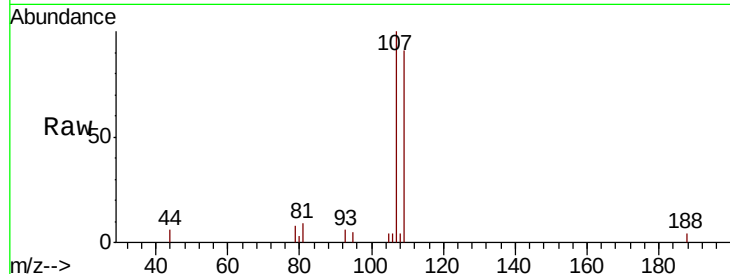




#50
1,2-Dibromoethane
Concen: 4.040 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008499.D
Acq: 31 Oct 2018 16:42

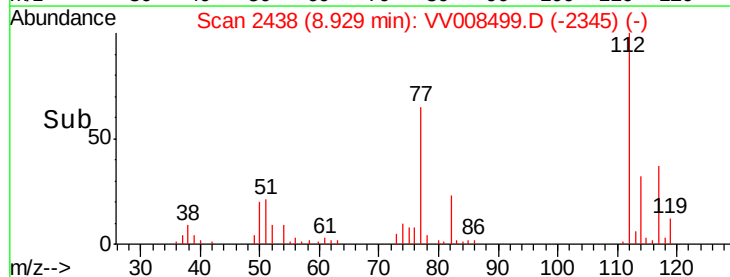
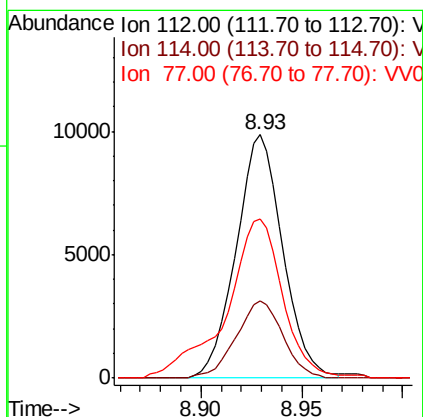
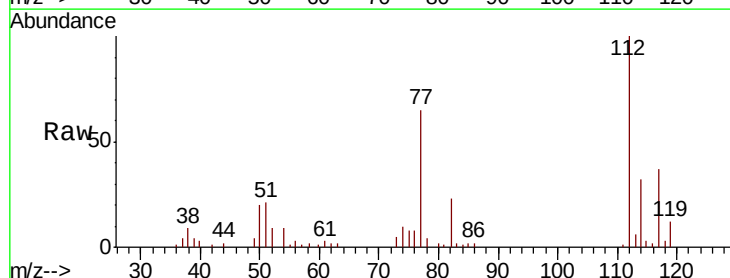
Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

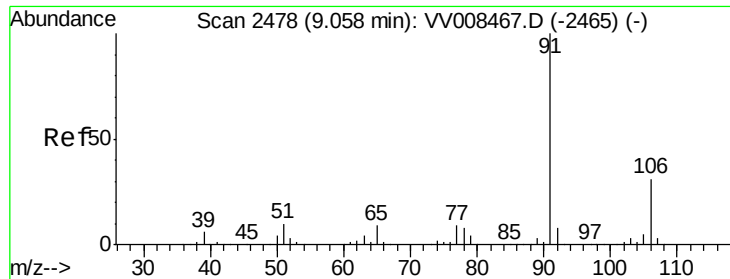
Tgt Ion:107 Resp: 6248
Ion Ratio Lower Upper
107 100
109 90.7 67.3 125.1
188 3.7 2.6 3.8



#51
Chlorobenzene
Concen: 4.116 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008499.D
Acq: 31 Oct 2018 16:42

Tgt Ion:112 Resp: 15946
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.5
77 65.4 50.5 75.7





#52

Ethylbenzene

Concen: 4.024 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

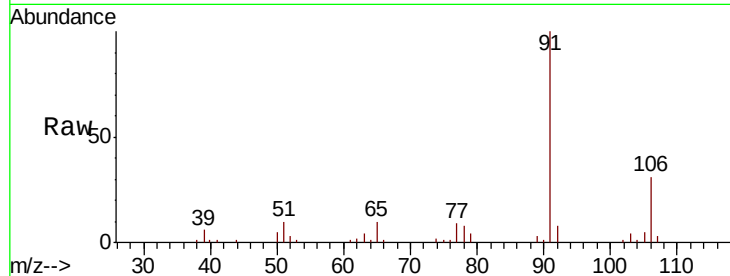
VSTD00553

Tgt Ion: 91 Resp: 28322

Ion Ratio Lower Upper

91 100

106 30.8 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV008467.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV008499.D (-2385) (-)

20000

15000

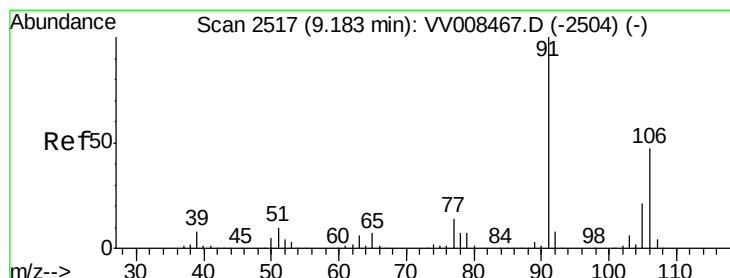
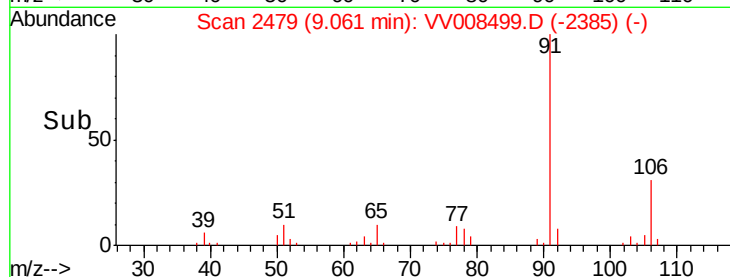
10000

5000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 4.010 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008499.D

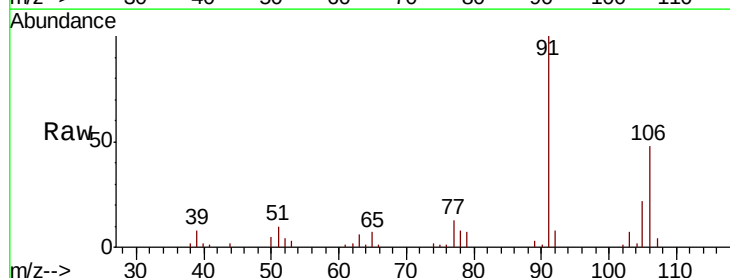
Acq: 31 Oct 2018 16:42

Tgt Ion: 106 Resp: 10363

Ion Ratio Lower Upper

106 100

91 208.9 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): VV008499.D (-2385) (-)

Ion 91.00 (90.70 to 91.70): VV008467.D (-2504) (-)

15000

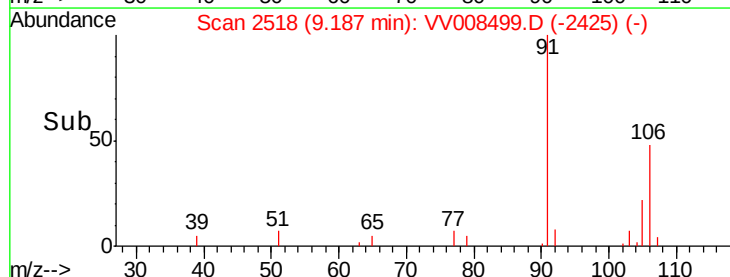
10000

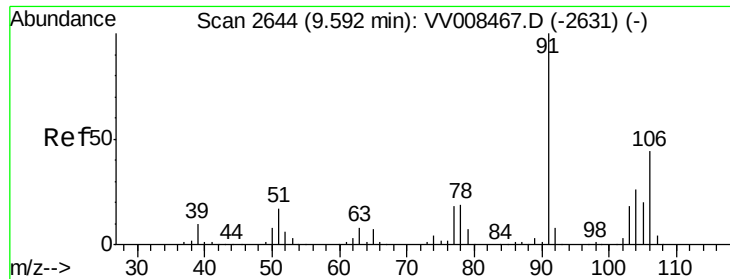
5000

0

9.15 9.20 9.25

Time-->

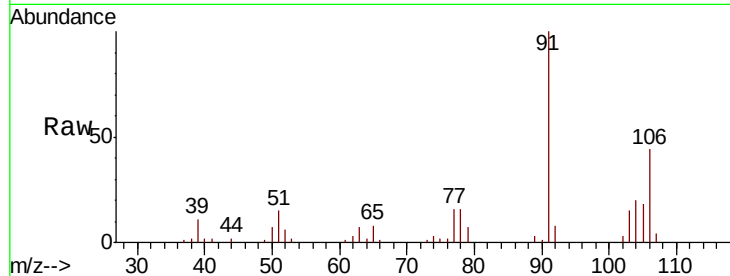




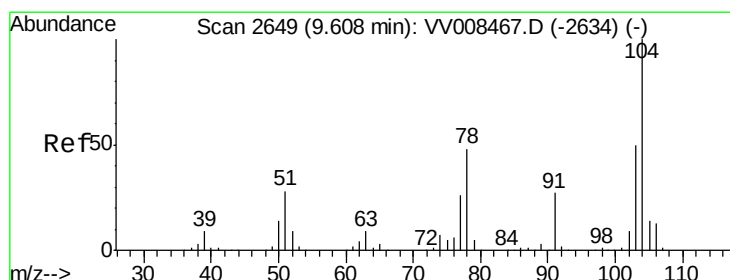
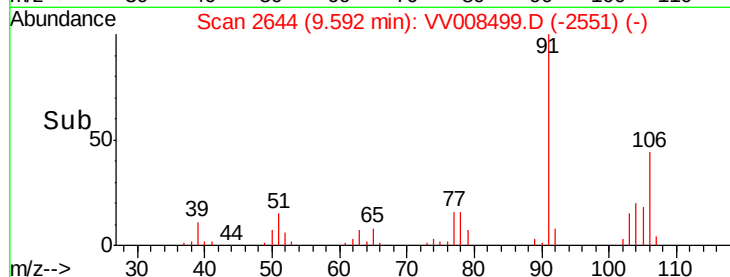
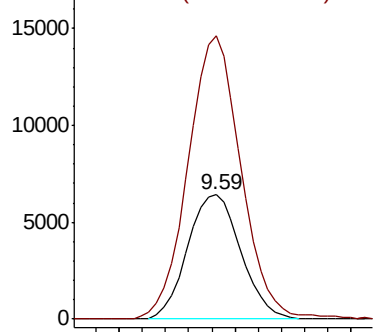
#54
o-xylene
Concen: 3.973 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008499.D
Acq: 31 Oct 2018 16:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

Tgt Ion:106 Resp: 10245
Ion Ratio Lower Upper
106 100
91 227.9 156.9 291.5

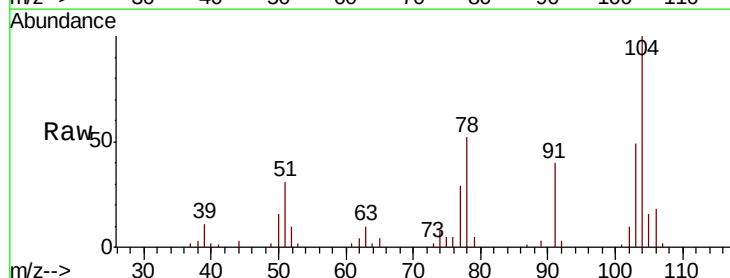


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

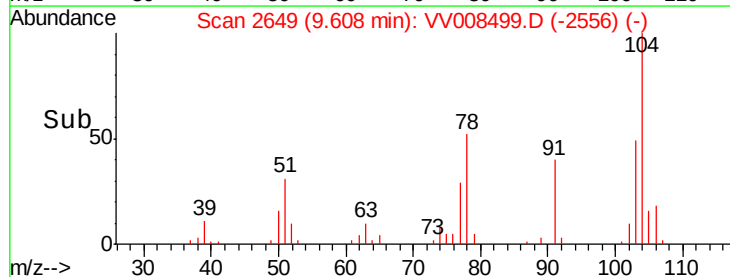
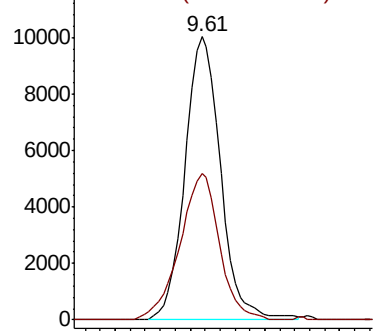


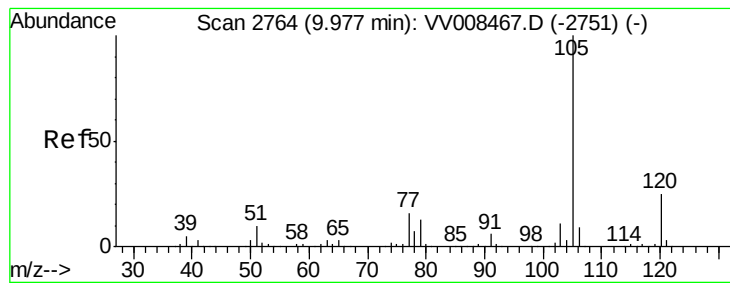
#55
Styrene
Concen: 3.839 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008499.D
Acq: 31 Oct 2018 16:42

Tgt Ion:104 Resp: 16664
Ion Ratio Lower Upper
104 100
78 51.7 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: 3.777 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

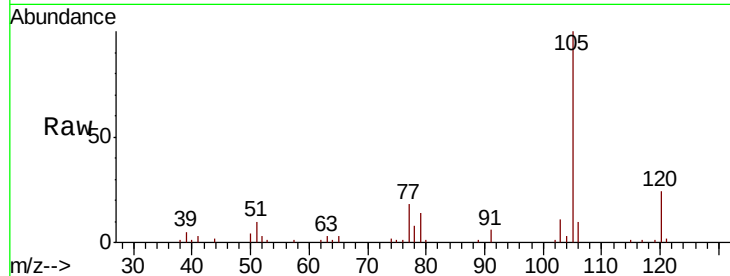
Tgt Ion:105 Resp: 25478

Ion Ratio Lower Upper

105 100

120 25.3 20.4 30.6

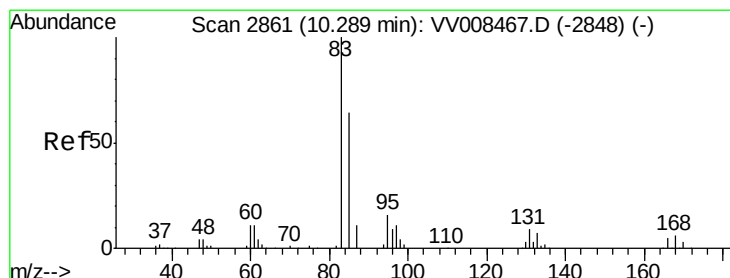
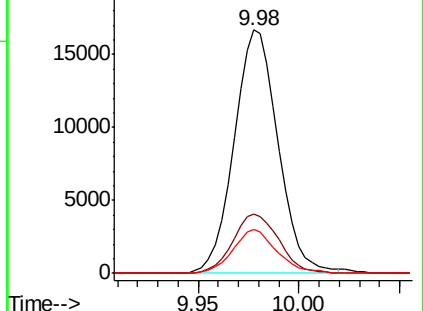
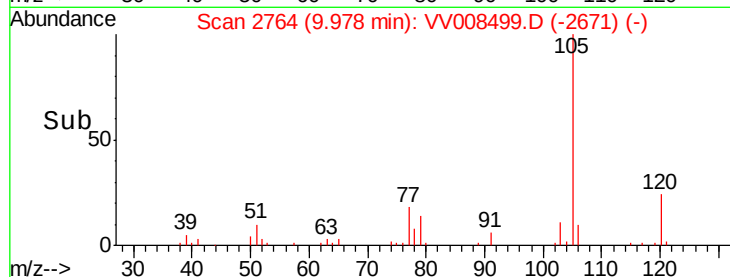
77 18.0 13.3 19.9



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: 3.985 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

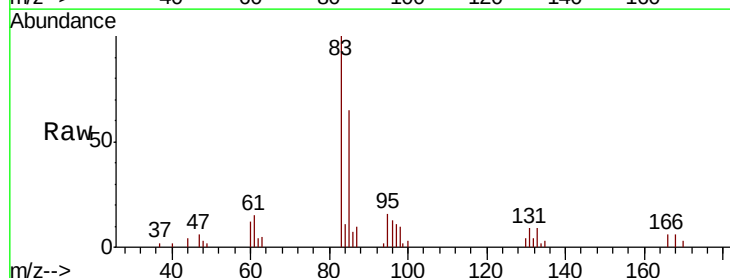
Tgt Ion: 83 Resp: 10344

Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.9

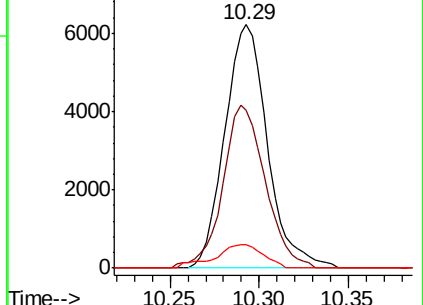
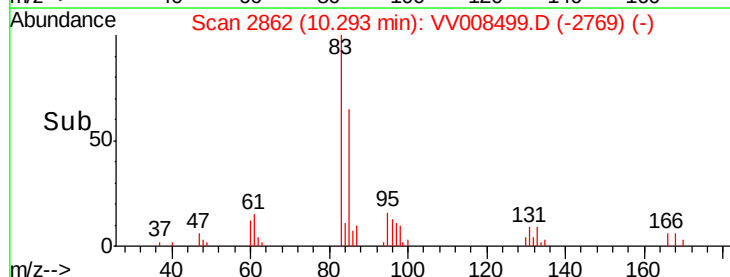
131 9.4 7.4 11.2

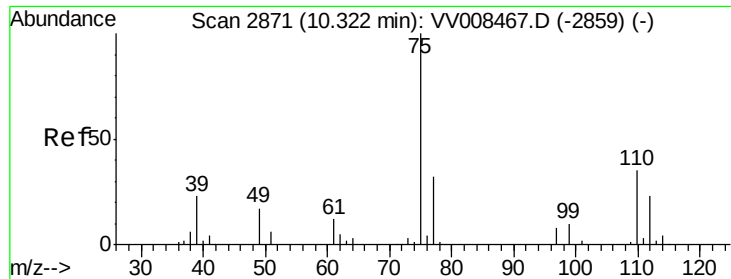


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.033 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

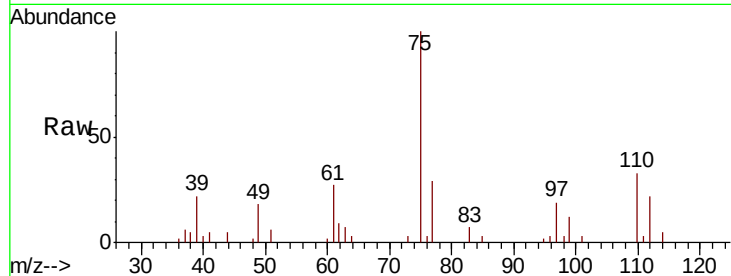
VSTD00553

Tgt Ion: 75 Resp: 8490

Ion Ratio Lower Upper

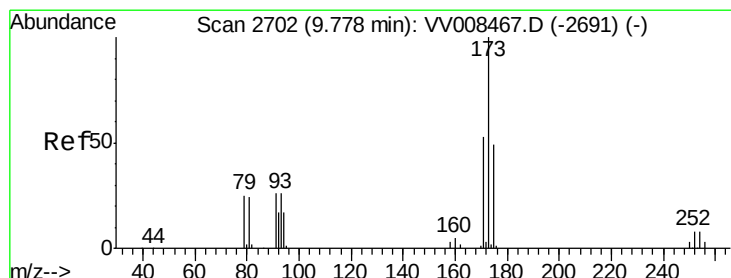
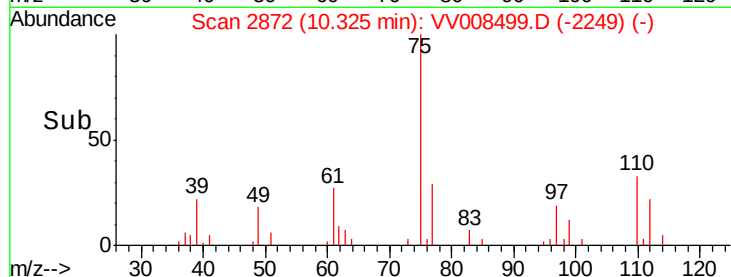
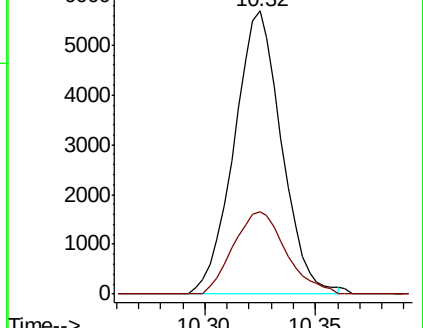
75 100

77 32.3 25.9 38.9



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

Ion 77.00 (76.70 to 77.70): VV008467.D (-2859) (-)



#61

Bromoform

Concen: 3.880 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

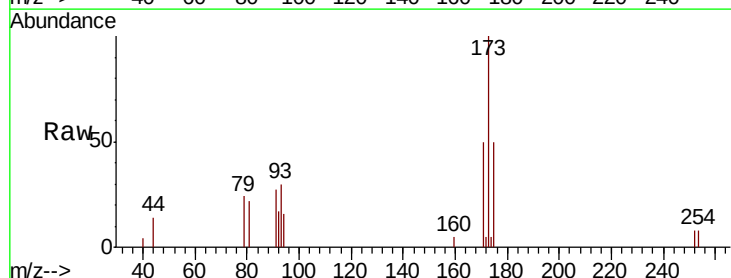
Tgt Ion: 173 Resp: 3817

Ion Ratio Lower Upper

173 100

175 49.0 38.6 57.8

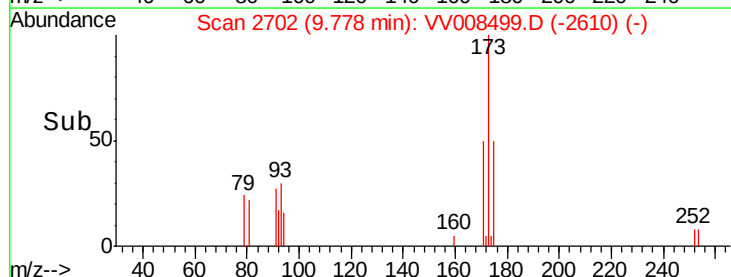
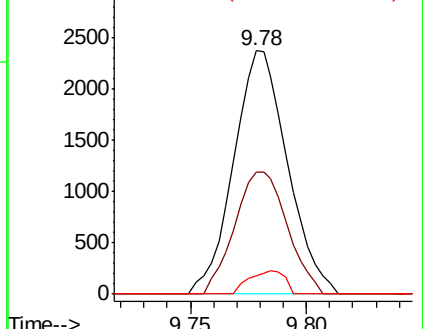
254 6.3 6.0 9.0

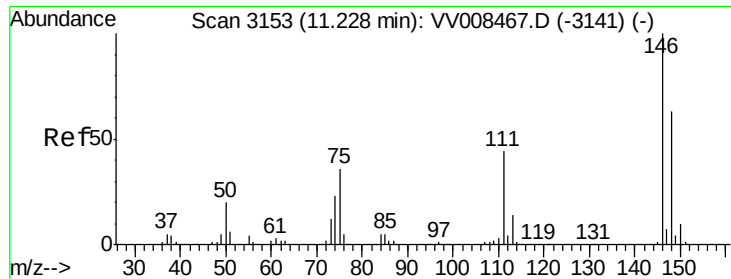


Abundance Ion 173.00 (172.70 to 173.70): VV008467.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV008467.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV008467.D (-2691) (-)

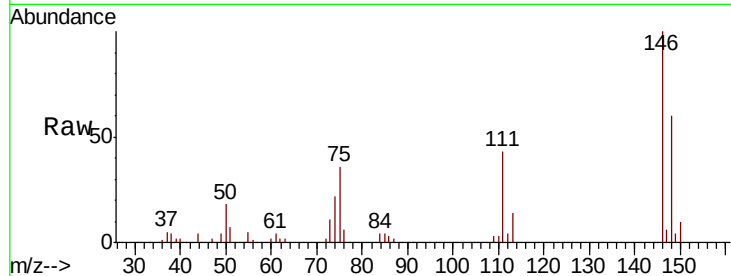




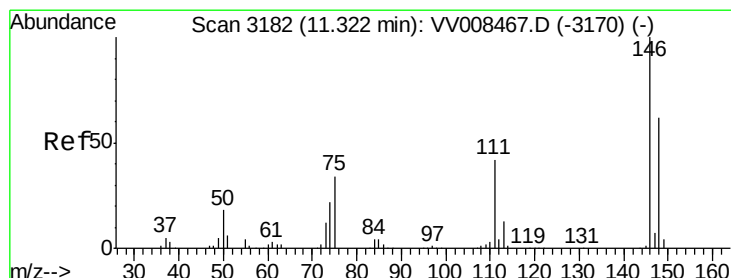
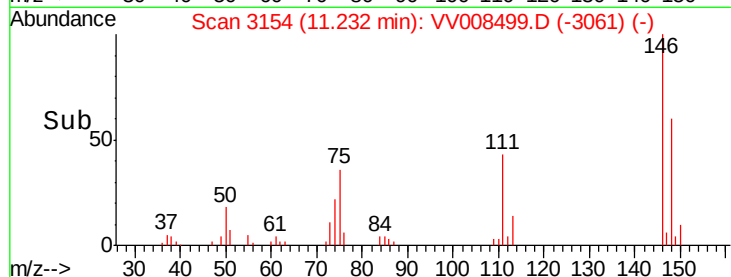
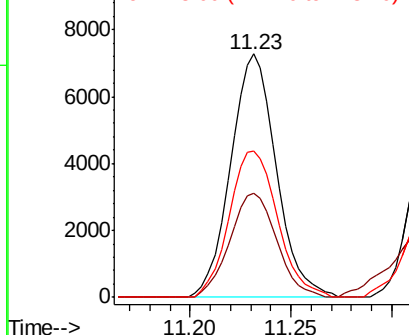
#62
 1,3-Dichlorobenzene
 Concen: 4.441 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008499.D
 Acq: 31 Oct 2018 16:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

Tgt Ion:146 Resp: 11518
 Ion Ratio Lower Upper
 146 100
 111 42.9 30.3 56.3
 148 60.0 44.7 82.9

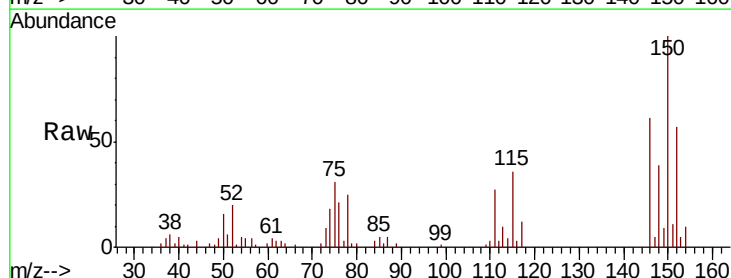


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

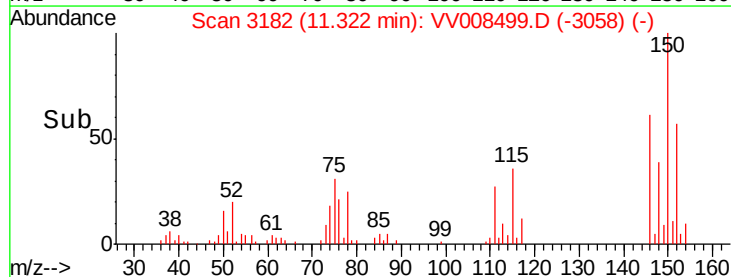
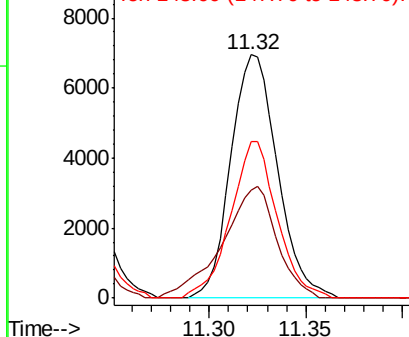


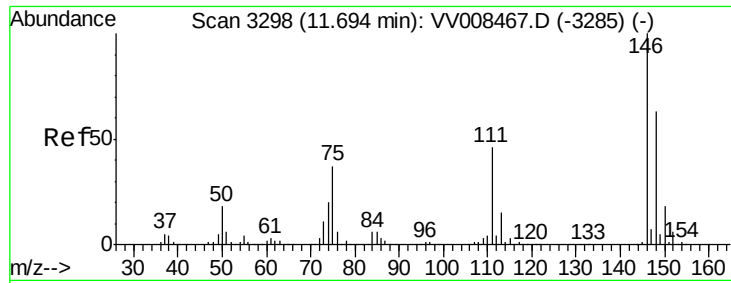
#63
 1,4-Dichlorobenzene
 Concen: 4.505 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008499.D
 Acq: 31 Oct 2018 16:42

Tgt Ion:146 Resp: 11691
 Ion Ratio Lower Upper
 146 100
 111 44.6 29.8 55.4
 148 64.3 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.253 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

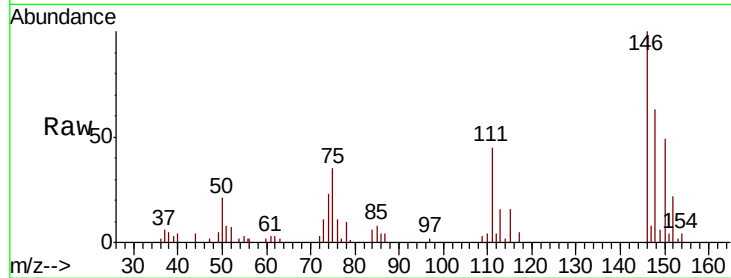
Tgt Ion: 146 Resp: 11232

Ion Ratio Lower Upper

146 100

111 44.6 35.9 53.9

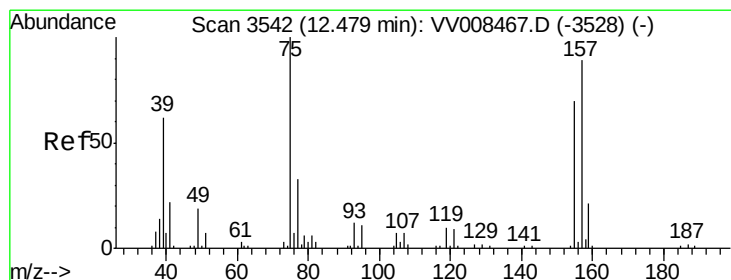
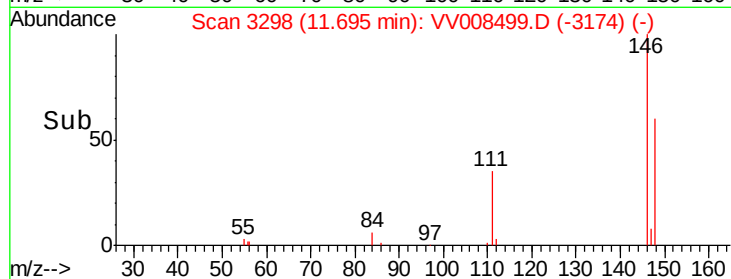
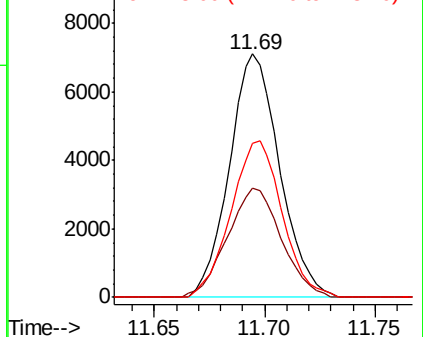
148 63.2 50.6 76.0



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: 3.952 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

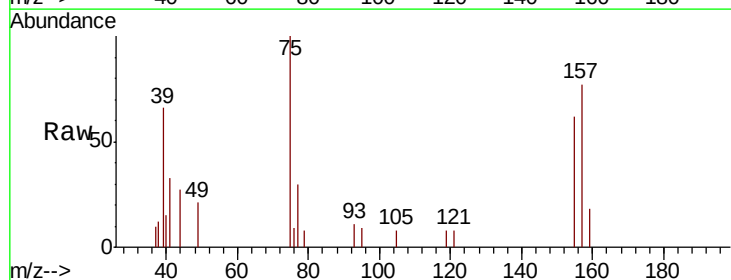
Tgt Ion: 75 Resp: 2128

Ion Ratio Lower Upper

75 100

155 62.3 55.8 83.8

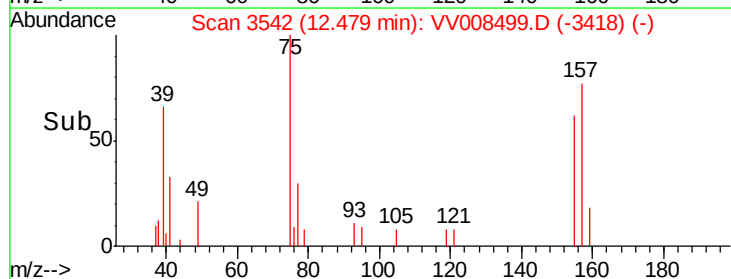
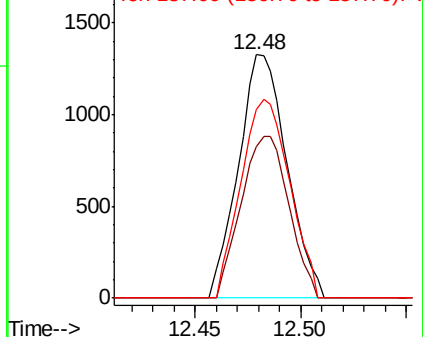
157 77.5 72.0 108.0

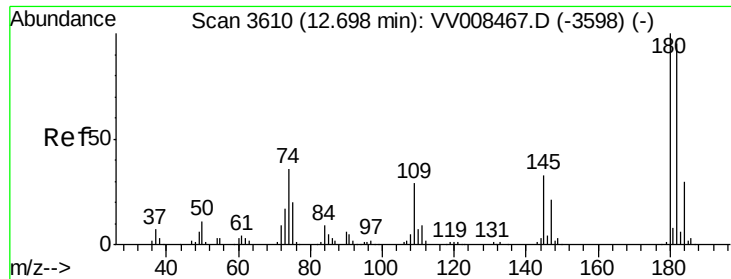


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

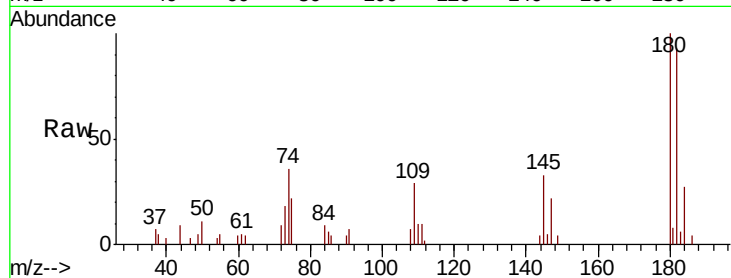




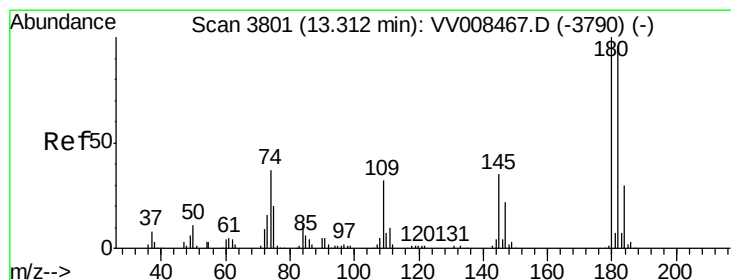
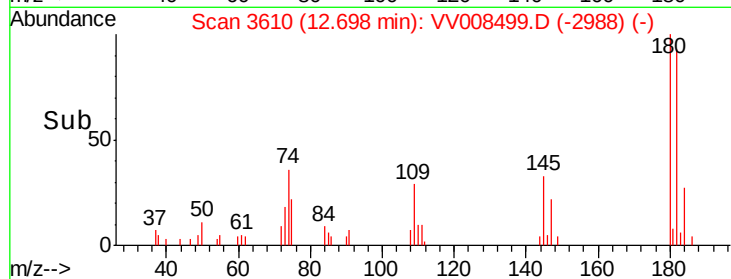
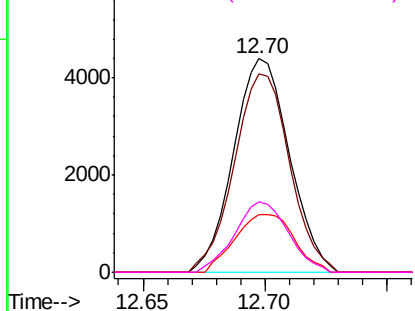
#67
 1,3,5-Trichlorobenzene
 Concen: 4.114 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008499.D
 Acq: 31 Oct 2018 16:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

Tgt Ion:180 Resp: 6982
 Ion Ratio Lower Upper
 180 100
 182 91.9 75.6 113.4
 184 28.6 23.6 35.4
 145 31.5 26.2 39.4

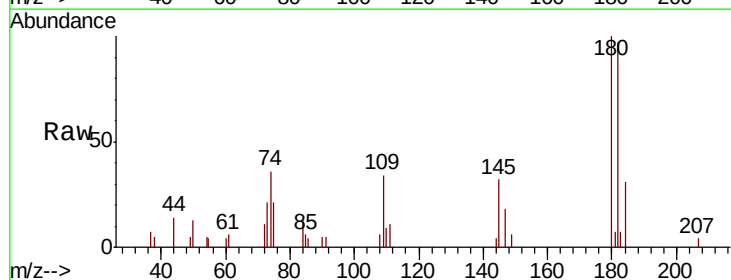


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

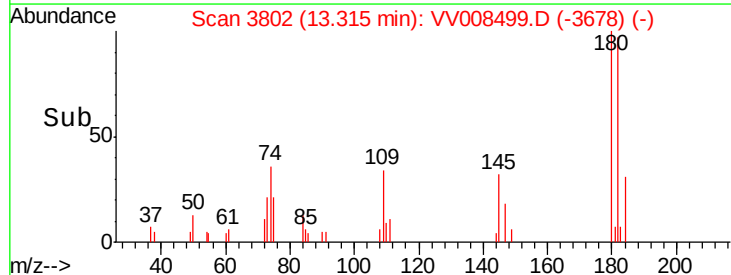
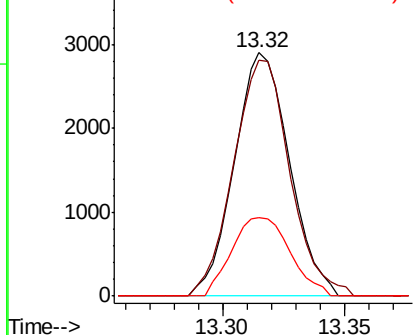


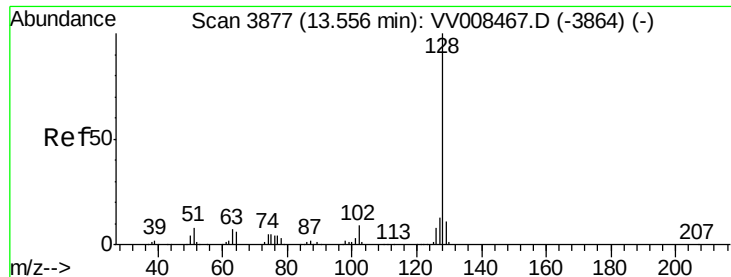
#68
 1,2,4-trichlorobenzene
 Concen: 3.333 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008499.D
 Acq: 31 Oct 2018 16:42

Tgt Ion:180 Resp: 4543
 Ion Ratio Lower Upper
 180 100
 182 99.3 75.9 113.9
 145 34.2 27.2 40.8



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: 2.909 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

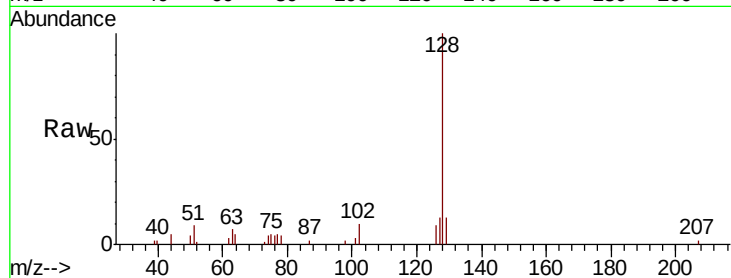
Tgt Ion:128 Resp: 12718

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

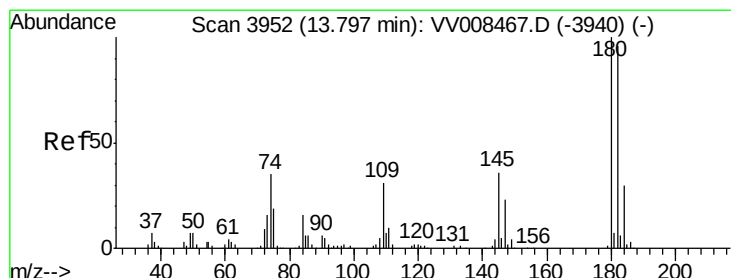
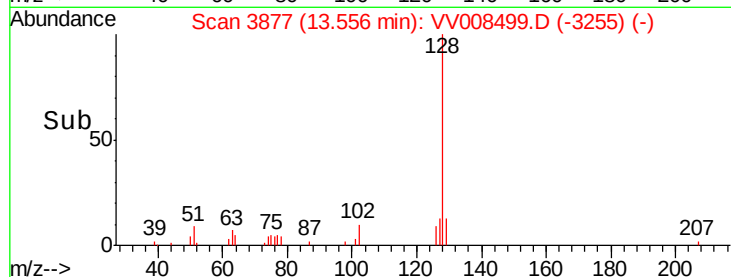
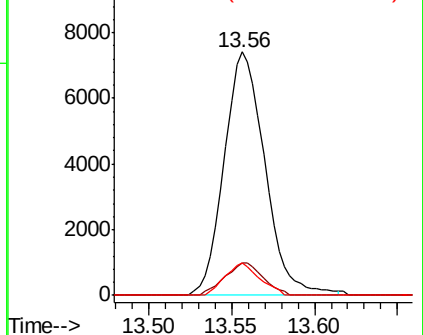
129 11.2 8.5 12.7



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: 3.521 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008499.D

Acq: 31 Oct 2018 16:42

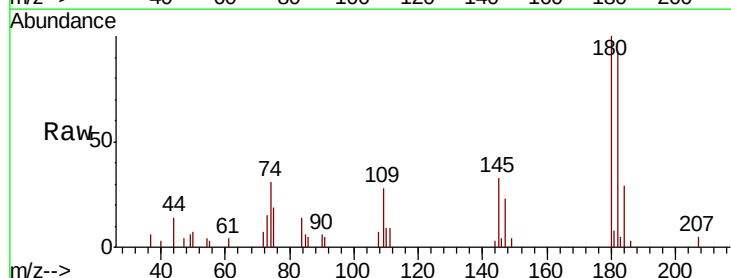
Tgt Ion:180 Resp: 4808

Ion Ratio Lower Upper

180 100

182 97.7 75.1 112.7

145 35.7 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

