

Data File : VV008578.D
Acq On : 16 Nov 2018 11:54
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

Quant Time: Nov 16 23:21:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111518WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 23:18:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	287370	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	257076	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	123330	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88080	47.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.18%
7) Chloroethane-d5	1.57	69	60753	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.62%
11) 1,1-Dichloroethene-d2	2.13	63	152176	46.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.42%
21) 2-Butanone-d5	3.93	46	160204	98.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.66%
24) Chloroform-d	4.40	84	201246	48.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.38%
26) 1,2-Dichloroethane-d4	5.08	65	128796	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.70%
32) Benzene-d6	5.10	84	404992	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.88%
36) 1,2-Dichloropropane-d6	6.12	67	128238	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.40%
41) Toluene-d8	7.36	98	364941	48.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.98%
43) trans-1,3-Dichloropropene-	7.66	79	61624	47.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.98%
47) 2-Hexanone-d5	8.13	63	119656	104.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.23%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	175515	51.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.34%
64) 1,2-Dichlorobenzene-d4	11.68	152	135401	48.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.22%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	105900	47.460	ug/L	100
3) Chloromethane	1.25	50	101939	51.819	ug/L	100
5) Vinyl chloride	1.33	62	97897	50.320	ug/L	97
6) Bromomethane	1.52	94	30559	47.603	ug/L	96
8) Chloroethane	1.58	64	52108	49.055	ug/L	96
9) Trichlorofluoromethane	1.76	101	127093	47.490	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	70762	46.282	ug/L	99
12) 1,1-Dichloroethene	2.14	96	67970	49.782	ug/L	84
13) Acetone	2.19	43	87514	71.481	ug/L	98
14) Carbon disulfide	2.32	76	266331	47.666	ug/L	99
15) Methyl Acetate	2.46	43	117722	48.988	ug/L	99
16) Methylene chloride	2.53	84	106209	48.507	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	95437	48.775	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	337343	50.201	ug/L	100
19) 1,1-Dichloroethane	3.23	63	186538	49.848	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	109621	49.285	ug/L	97
22) 2-Butanone	4.01	43	157444	88.735	ug/L	99

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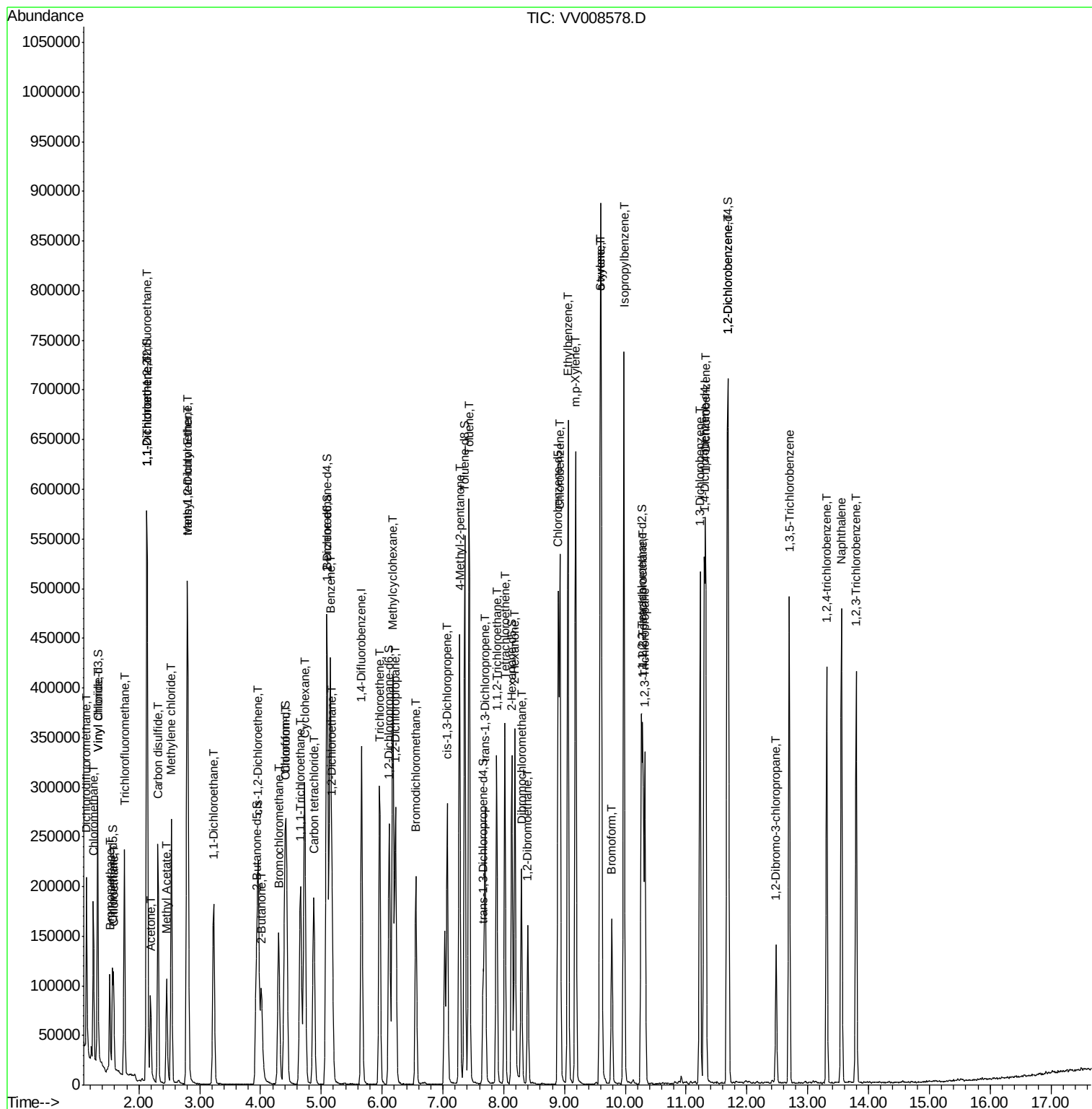
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	53299	50.657	ug/L	96
25) Chloroform	4.43	83	193425	46.045	ug/L	97
27) 1,2-Dichloroethane	5.18	62	149132	49.137	ug/L	99
29) Cyclohexane	4.73	56	176807	48.033	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	164416	49.908	ug/L	99
31) Carbon tetrachloride	4.88	117	142502	50.013	ug/L	98
33) Benzene	5.15	78	410945	49.778	ug/L	100
34) Trichloroethene	5.96	95	105594	48.810	ug/L	97
35) Methylcyclohexane	6.18	83	176964	48.041	ug/L	96
37) 1,2-Dichloropropane	6.22	63	111817	50.077	ug/L	100
38) Bromodichloromethane	6.56	83	138982	49.442	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	165835	48.621	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	307752	102.684	ug/L	99
42) Toluene	7.43	91	427005	49.769	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	151066	48.203	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	99956	50.021	ug/L	99
46) Tetrachloroethene	8.02	164	76557	49.365	ug/L	97
48) 2-Hexanone	8.18	43	224285	97.381	ug/L	99
49) Dibromochloromethane	8.29	129	108856	51.460	ug/L	99
50) 1,2-Dibromoethane	8.40	107	105728	50.663	ug/L	99
51) Chlorobenzene	8.93	112	268430	50.066	ug/L	99
52) Ethylbenzene	9.06	91	476453	50.435	ug/L	99
53) m,p-Xylene	9.18	106	176443	51.034	ug/L	97
54) o-xylene	9.59	106	173896	50.747	ug/L	99
55) Styrene	9.60	104	286742	51.148	ug/L	98
56) Isopropylbenzene	9.98	105	463539	51.386	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	166933	51.527	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	135003	50.844	ug/L	98
61) Bromoform	9.78	173	73178	48.929	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	200766	49.075	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	199288	48.612	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	208603	49.856	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	35345	47.282	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	141555	50.499	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	117906	53.039	ug/L	99
69) Naphthalene	13.55	128	362099	55.629	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	119021	53.184	ug/L	100

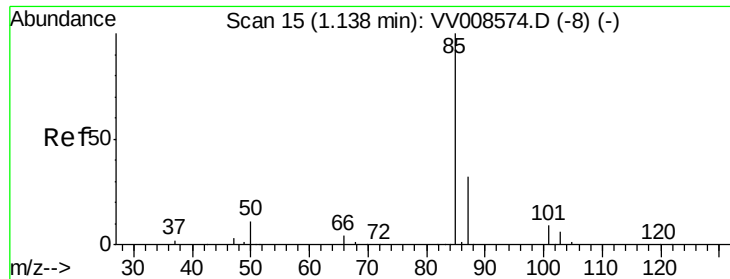
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.460 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

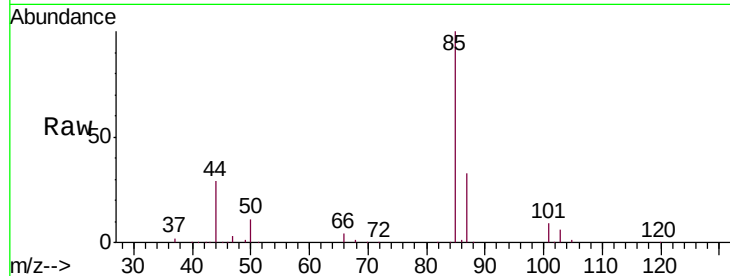
VSTD05075

Tgt Ion: 85 Resp: 105900

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV008574.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008578.D (-1) (-)

1.14

100000

80000

60000

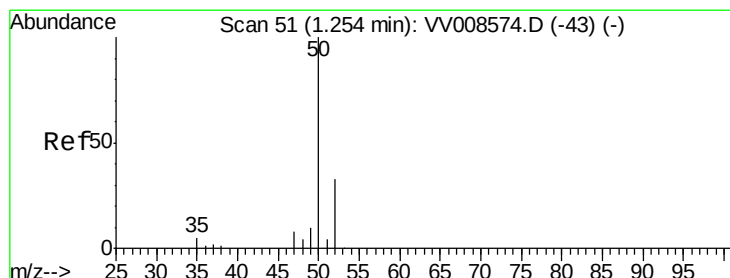
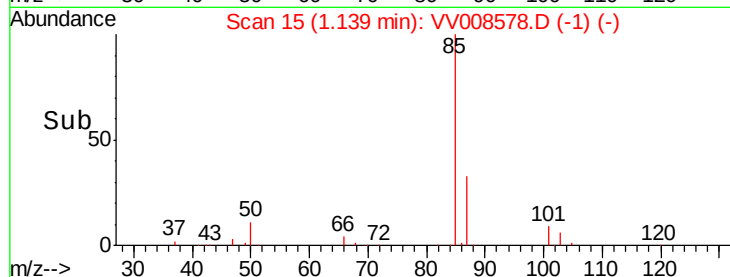
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 51.819 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV008578.D

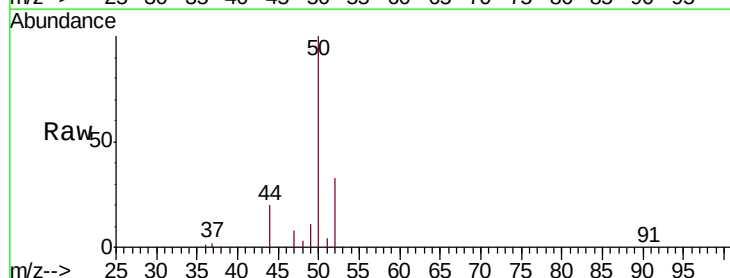
Acq: 16 Nov 2018 11:54

Tgt Ion: 50 Resp: 101939

Ion Ratio Lower Upper

50 100

52 32.9 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008574.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008578.D (-1) (-)

1.25

100000

80000

60000

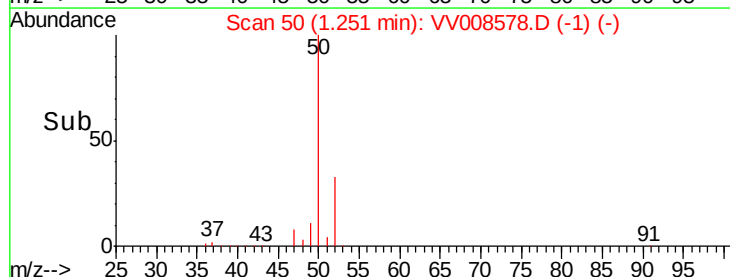
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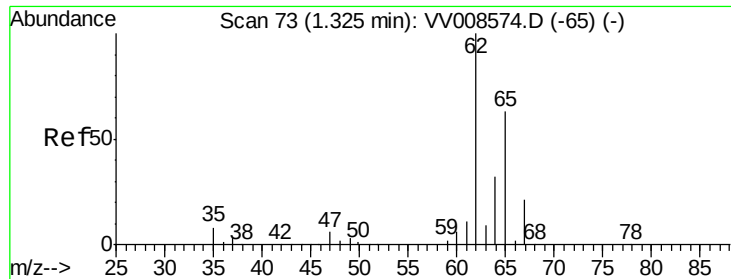
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 50.320 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_V

ClientSampled :

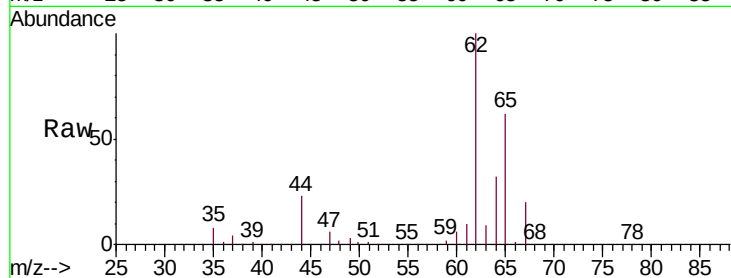
VSTD05075

Tgt Ion: 62 Resp: 97897

Ion Ratio Lower Upper

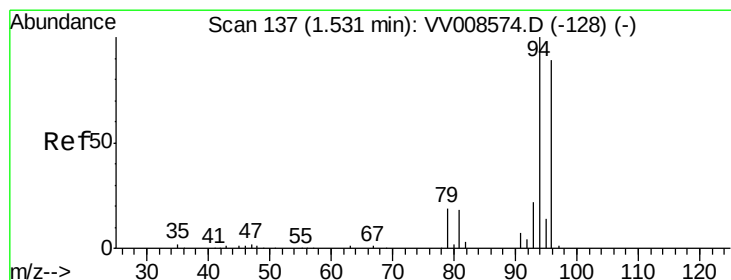
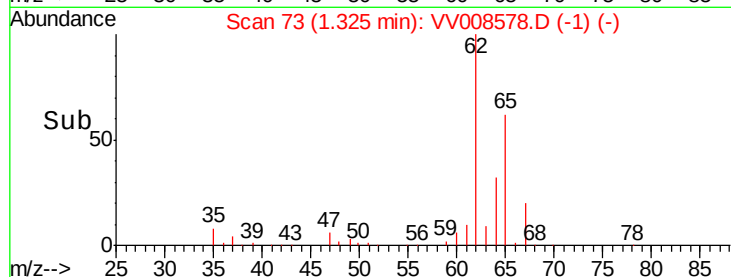
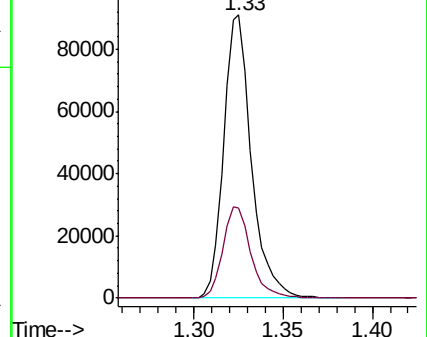
62 100

64 31.9 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 47.603 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.01 min

Lab File: VV008578.D

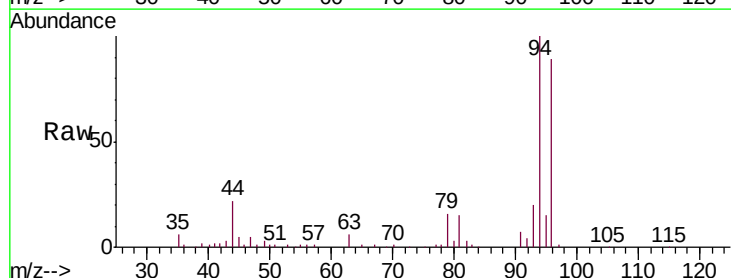
Acq: 16 Nov 2018 11:54

Tgt Ion: 94 Resp: 30559

Ion Ratio Lower Upper

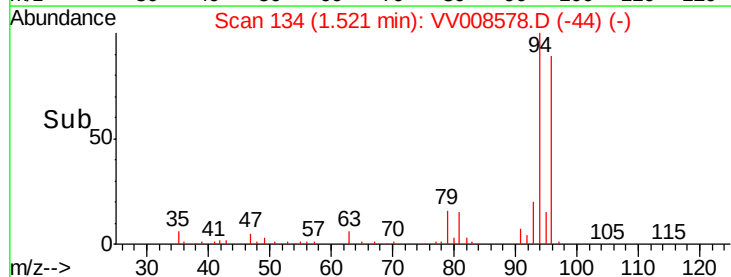
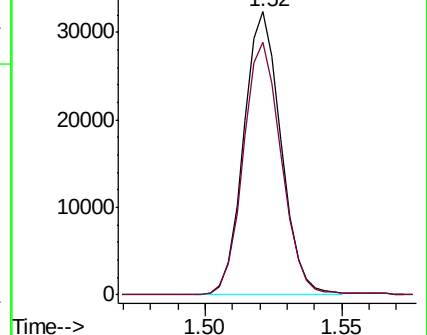
94 100

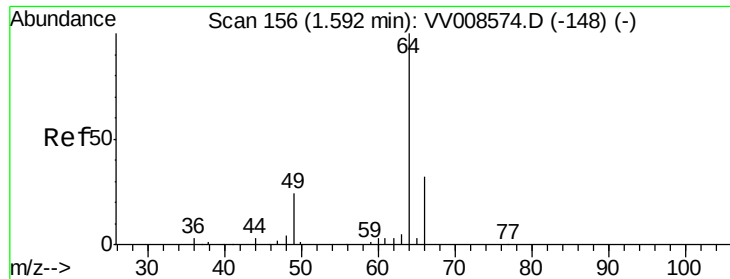
96 89.3 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 49.055 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.01 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

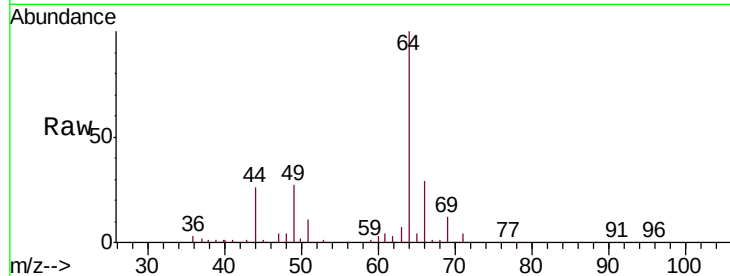
VSTD05075

Tgt Ion: 64 Resp: 52108

Ion Ratio Lower Upper

64 100

66 29.5 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VV008574.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV008574.D (-148) (-)

1.58

50000

40000

30000

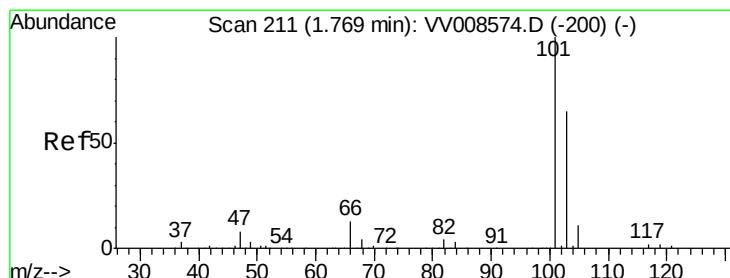
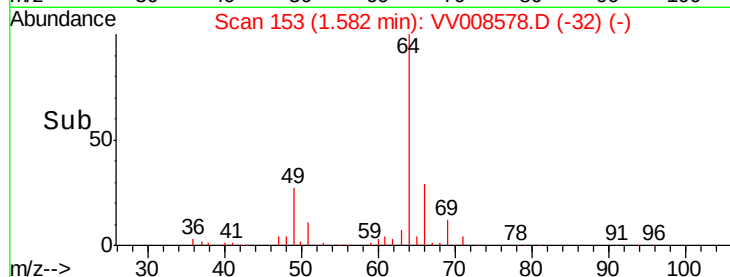
20000

10000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 47.490 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.01 min

Lab File: VV008578.D

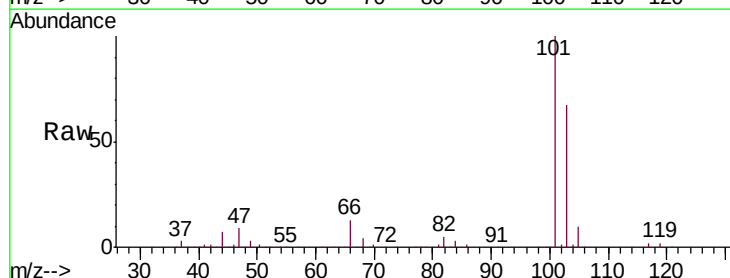
Acq: 16 Nov 2018 11:54

Tgt Ion: 101 Resp: 127093

Ion Ratio Lower Upper

101 100

103 65.9 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV008574.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV008574.D (-200) (-)

1.76

100000

80000

60000

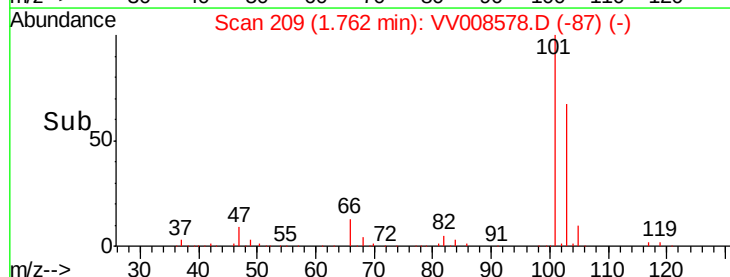
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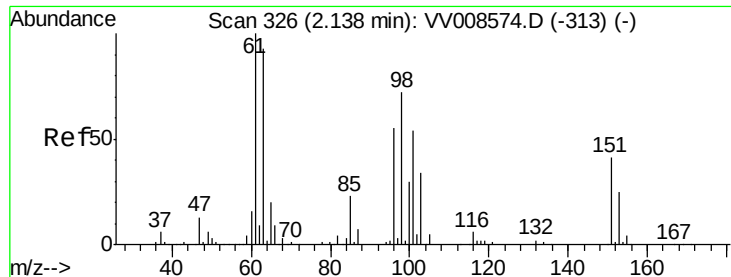
20000

0

Time-->

1.70 1.75 1.80





#10

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

Concen: 46.282 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

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ClientSampleId :

VSTD05075

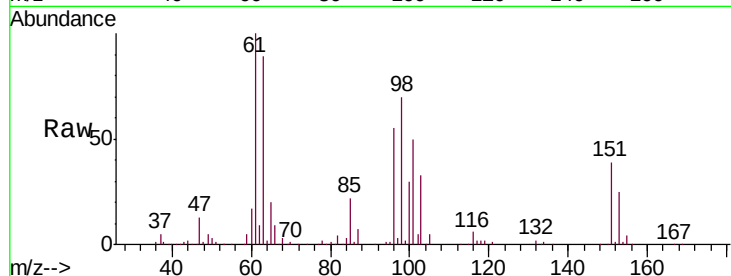
Tgt Ion: 101 Resp: 70762

Ion Ratio Lower Upper

101 100

85 44.6 35.7 53.5

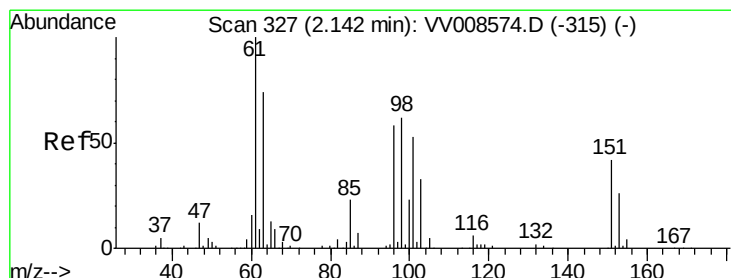
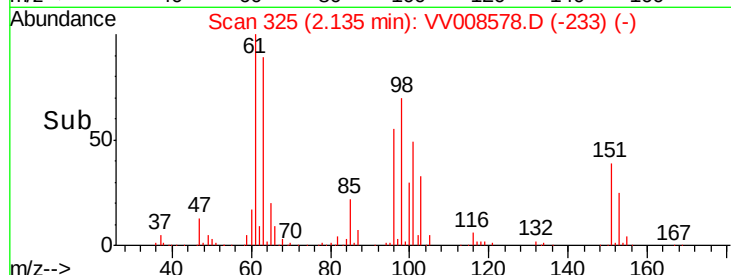
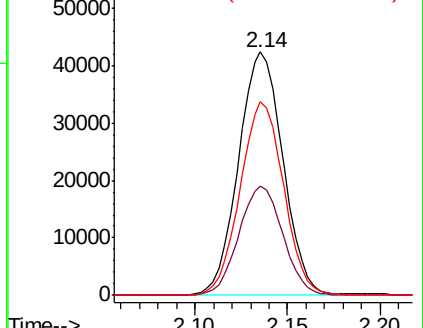
151 77.9 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.782 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

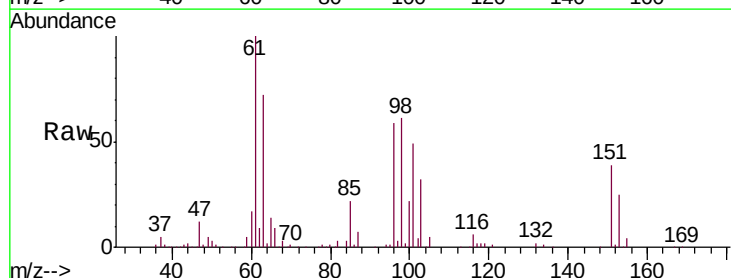
Tgt Ion: 96 Resp: 67970

Ion Ratio Lower Upper

96 100

61 169.5 125.6 233.2

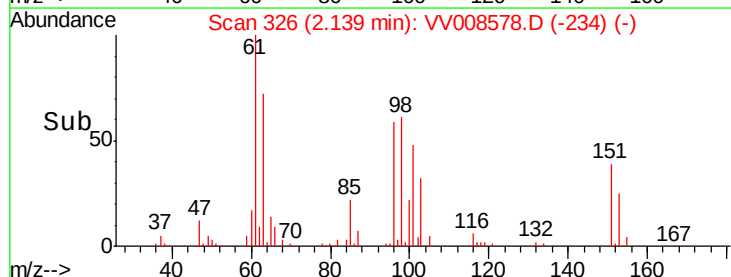
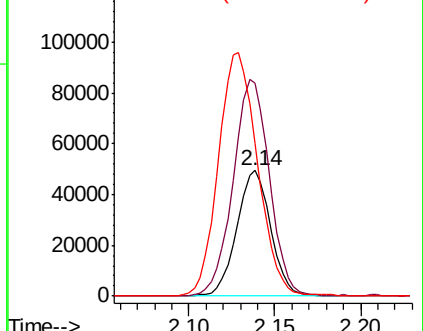
63 121.8 108.3 201.1

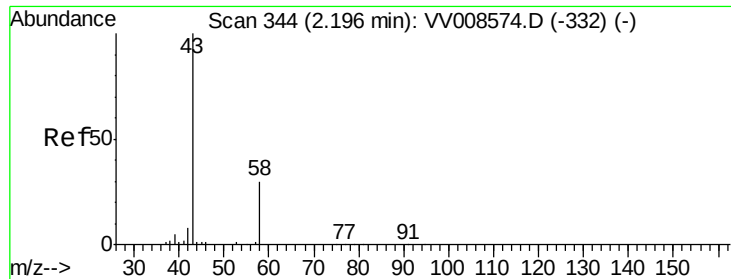


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 71.481 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

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MSVOA_V

ClientSampleId :

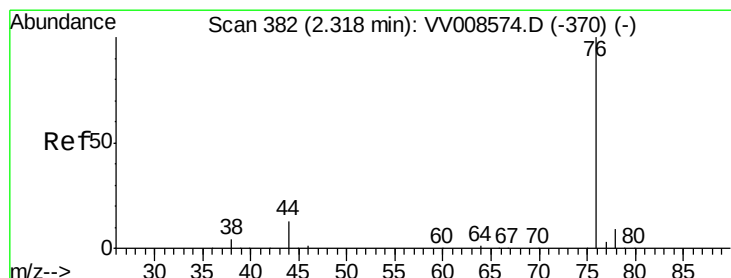
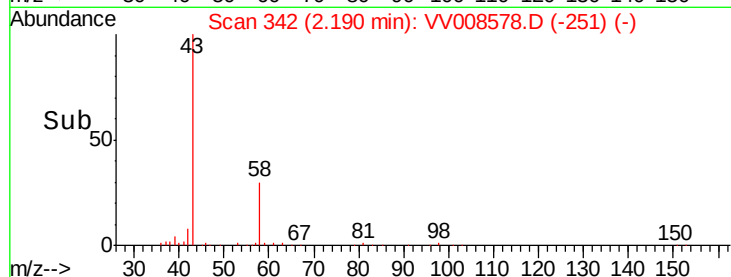
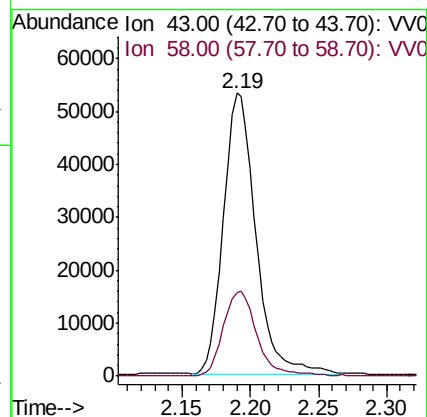
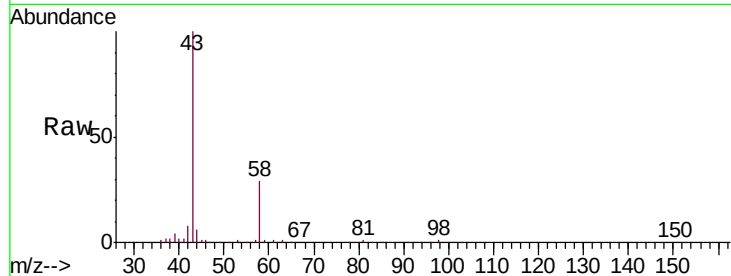
VSTD05075

Tgt Ion: 43 Resp: 87514

Ion Ratio Lower Upper

43 100

58 31.0 0.0 64.2



#14

Carbon disulfide

Concen: 47.666 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV008578.D

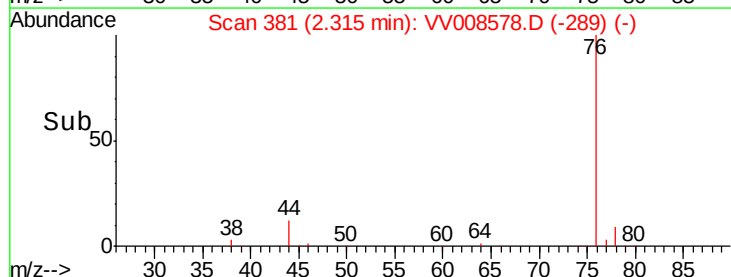
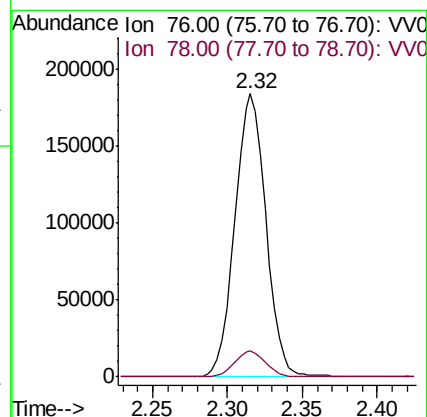
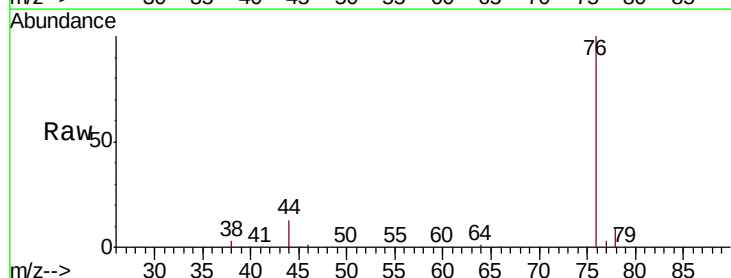
Acq: 16 Nov 2018 11:54

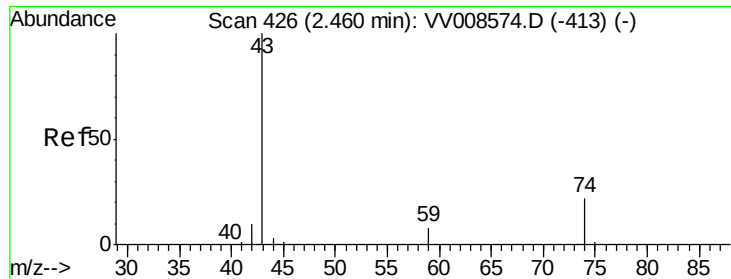
Tgt Ion: 76 Resp: 266331

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

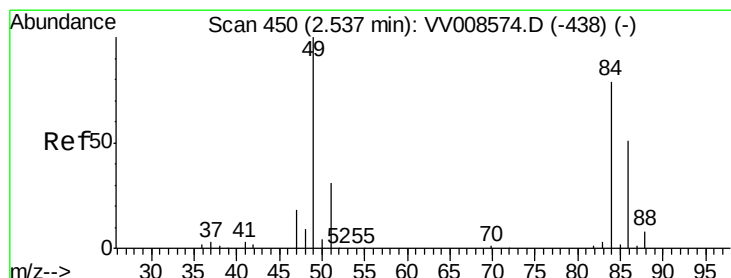
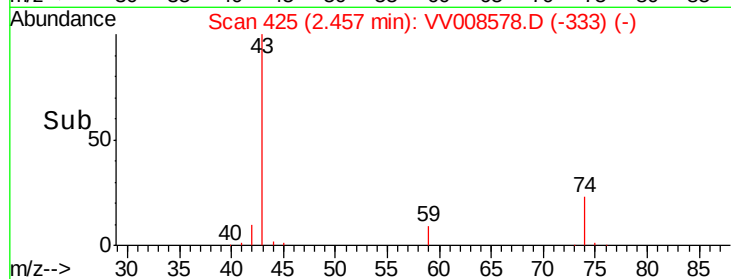
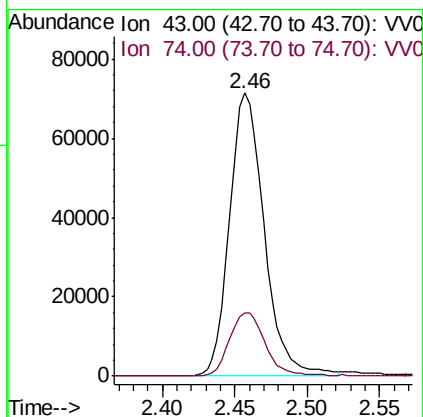
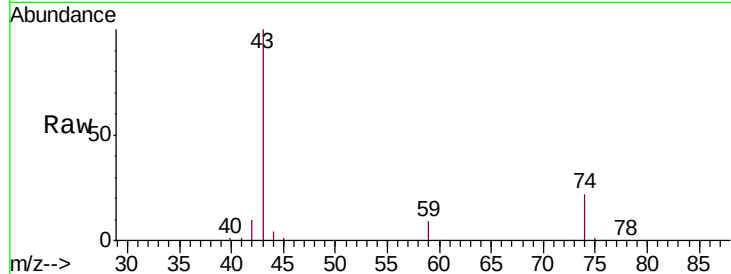




#15
Methyl Acetate
Concen: 48.988 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV008578.D
Acq: 16 Nov 2018 11:54

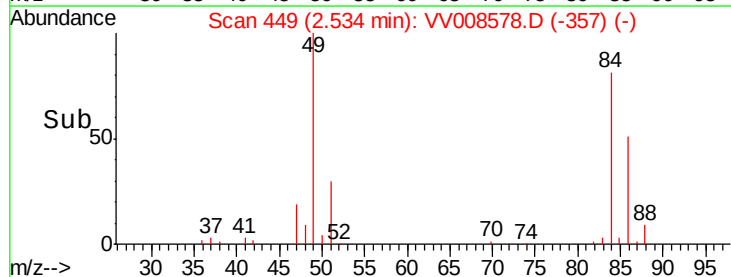
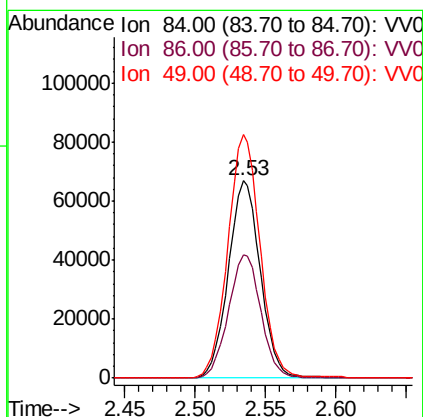
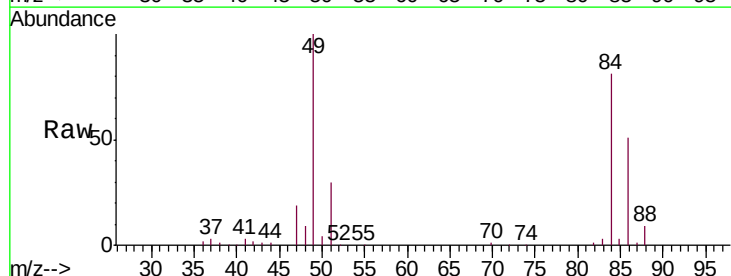
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

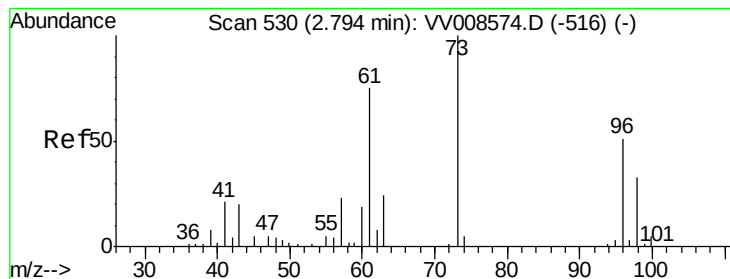
Tgt Ion: 43 Resp: 117722
Ion Ratio Lower Upper
43 100
74 23.3 18.2 27.4



#16
Methylene chloride
Concen: 48.507 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008578.D
Acq: 16 Nov 2018 11:54

Tgt Ion: 84 Resp: 106209
Ion Ratio Lower Upper
84 100
86 62.5 44.8 83.2
49 123.6 88.1 163.7





#17

trans-1,2-Dichloroethene

Concen: 48.775 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_V

ClientSampled :

VSTD05075

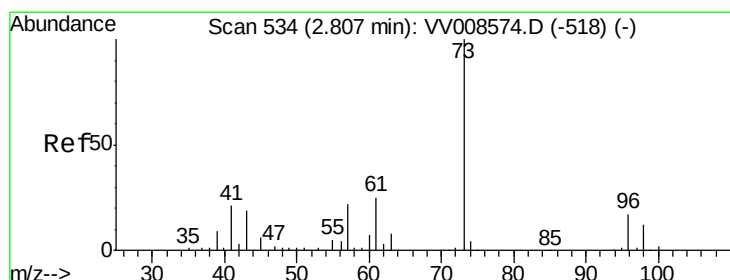
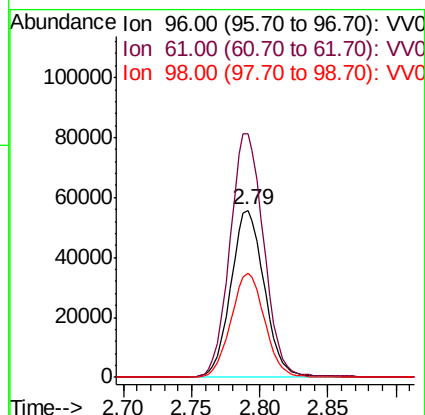
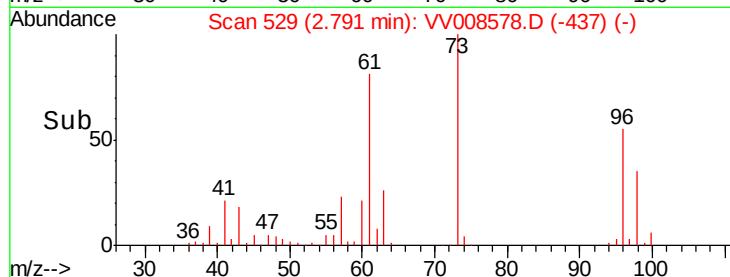
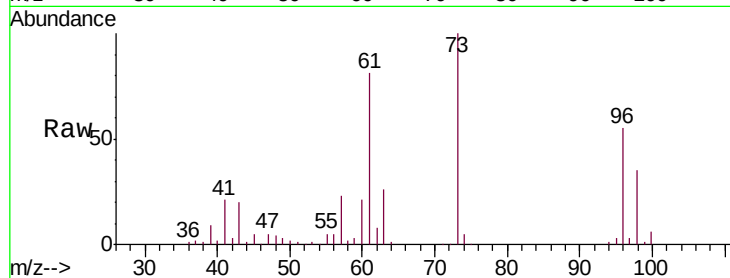
Tgt Ion: 96 Resp: 95437

Ion Ratio Lower Upper

96 100

61 145.8 104.9 194.9

98 62.7 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 50.201 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

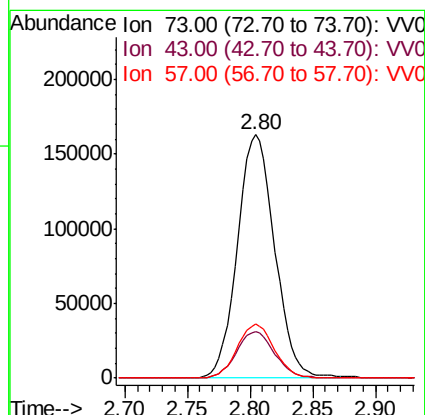
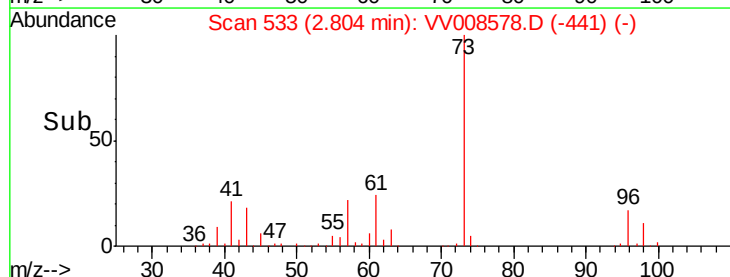
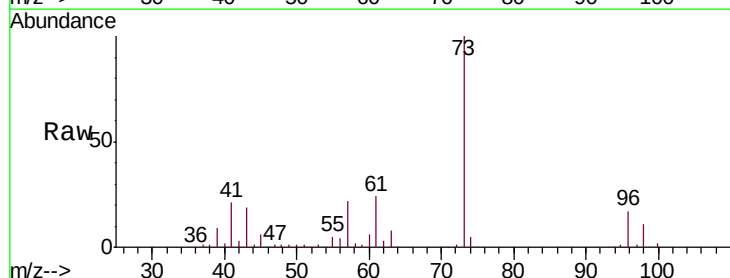
Tgt Ion: 73 Resp: 337343

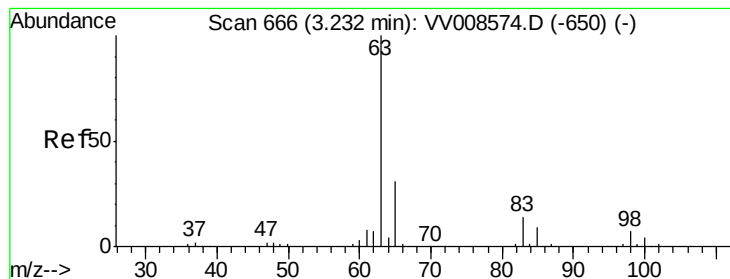
Ion Ratio Lower Upper

73 100

43 19.4 15.4 23.2

57 22.0 17.5 26.3





#19

1,1-Dichloroethane

Concen: 49.848 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

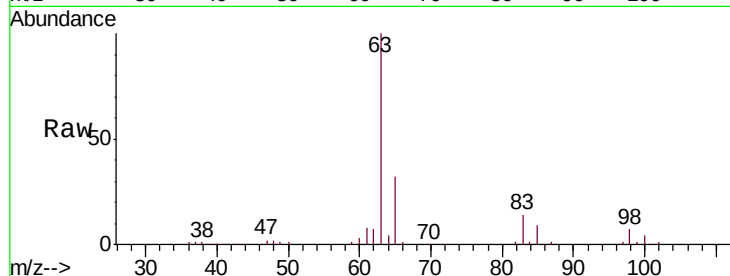
Tgt Ion: 63 Resp: 186538

Ion Ratio Lower Upper

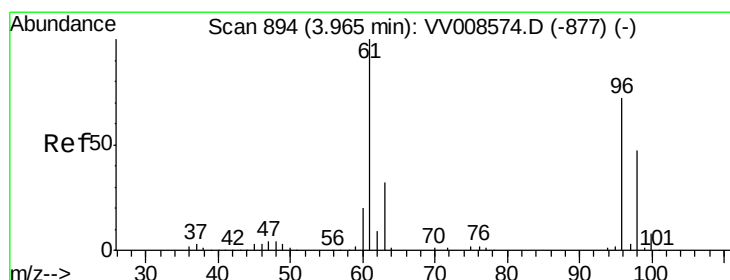
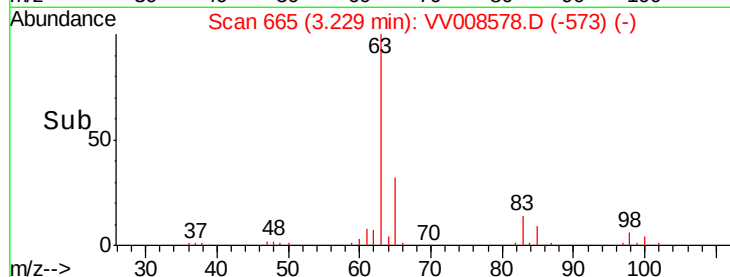
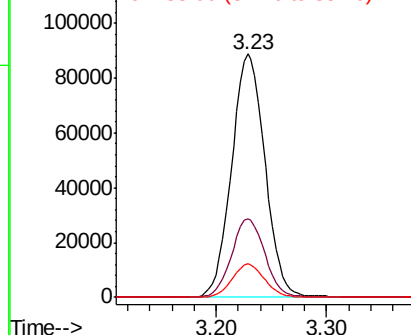
63 100

65 32.4 21.8 40.6

83 13.7 9.5 17.7



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: 49.285 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

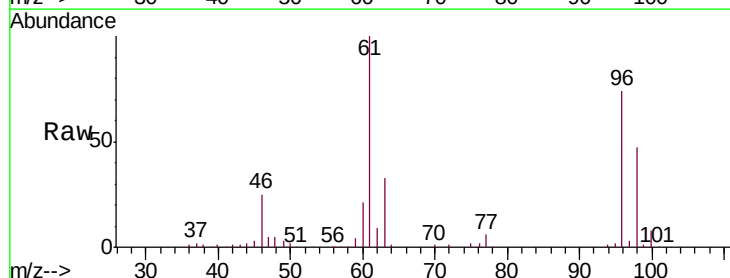
Tgt Ion: 96 Resp: 109621

Ion Ratio Lower Upper

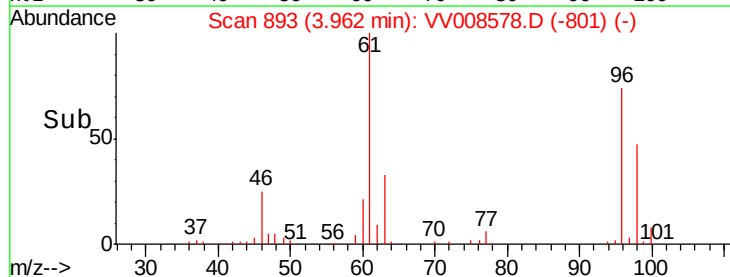
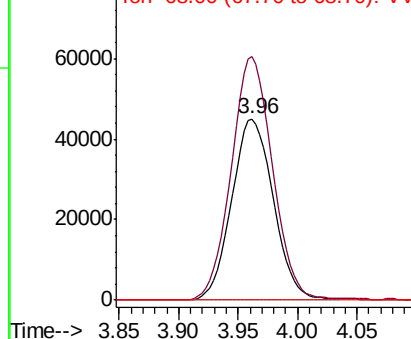
96 100

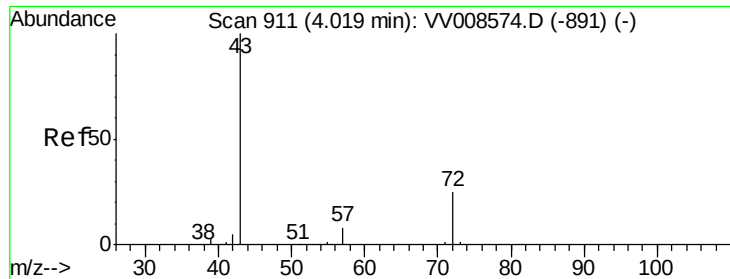
61 134.4 91.3 169.6

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: 88.735 ug/L

RT: 4.01 min Scan# 909

Delta R.T. -0.01 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

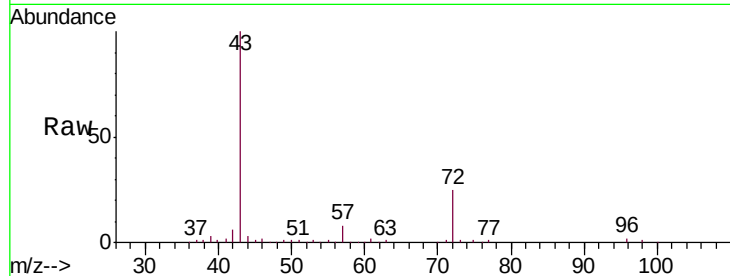
VSTD05075

Tgt Ion: 43 Resp: 157444

Ion Ratio Lower Upper

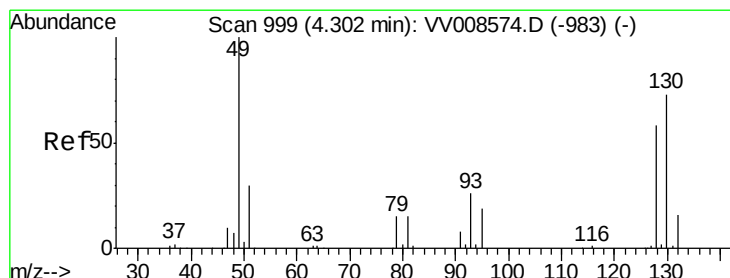
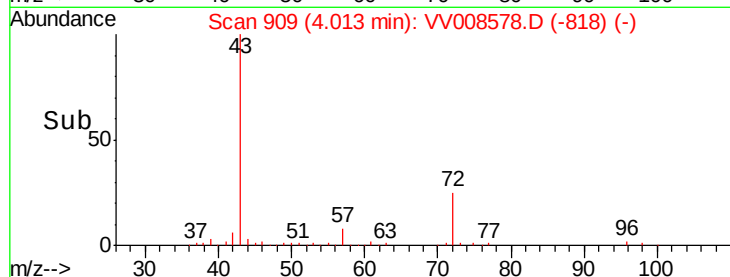
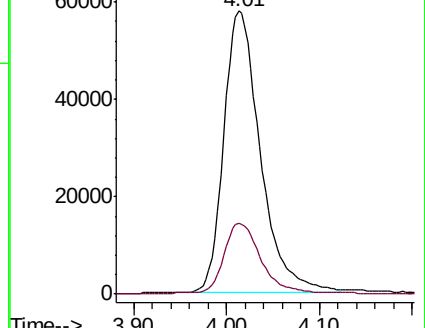
43 100

72 24.6 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV008578.D (-910) (-)

Ion 72.00 (71.70 to 72.70): VV008578.D (-910) (-)



#23

Bromochloromethane

Concen: 50.657 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Tgt Ion: 128 Resp: 53299

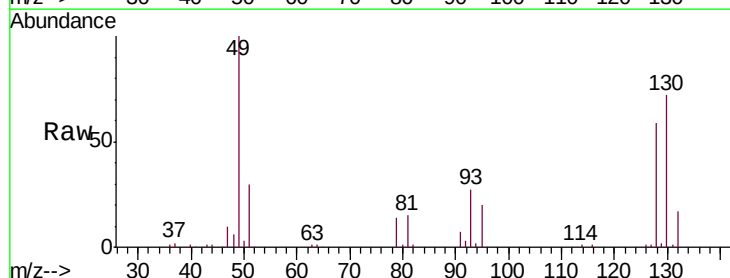
Ion Ratio Lower Upper

128 100

49 170.3 122.8 228.1

130 123.2 89.9 167.0

51 51.6 44.3 66.5

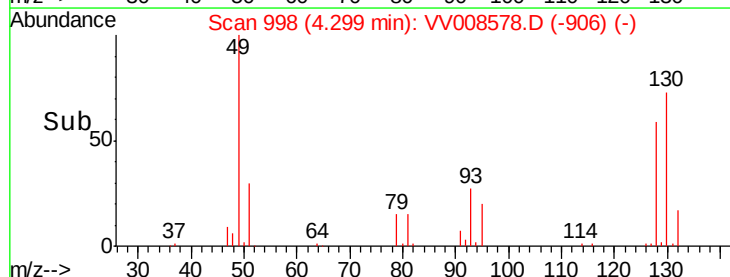
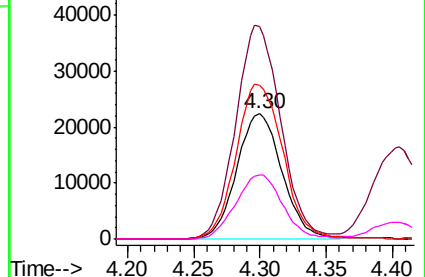


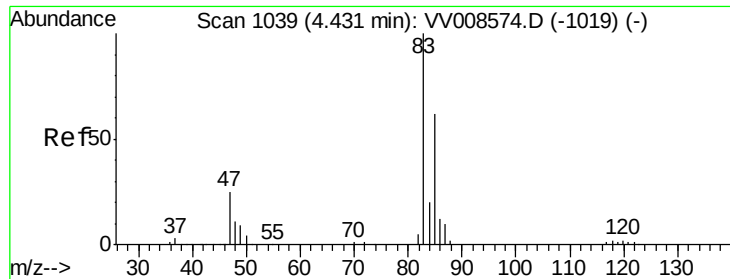
Abundance Ion 128.00 (127.70 to 128.70): VV008578.D (-999) (-)

Ion 49.00 (48.70 to 49.70): VV008578.D (-999) (-)

Ion 130.00 (129.70 to 130.70): VV008578.D (-999) (-)

Ion 51.00 (50.70 to 51.70): VV008578.D (-999) (-)

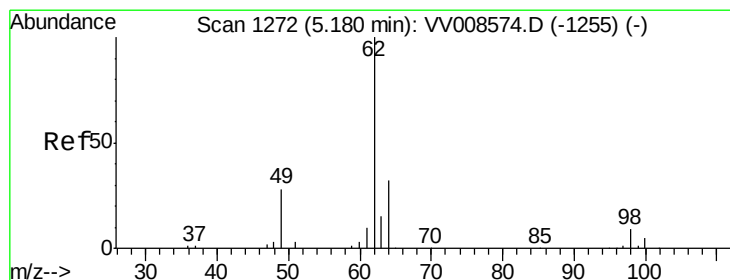
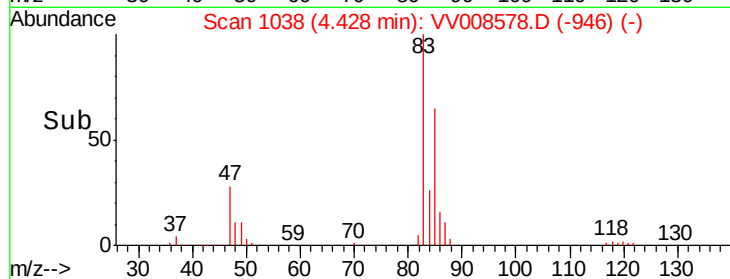
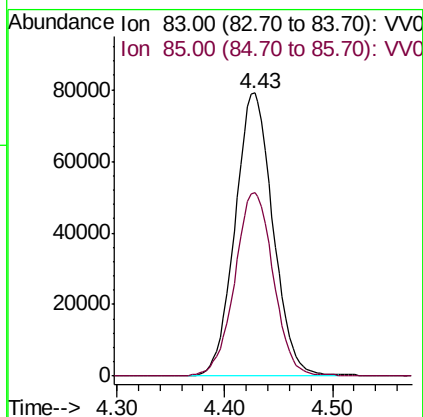
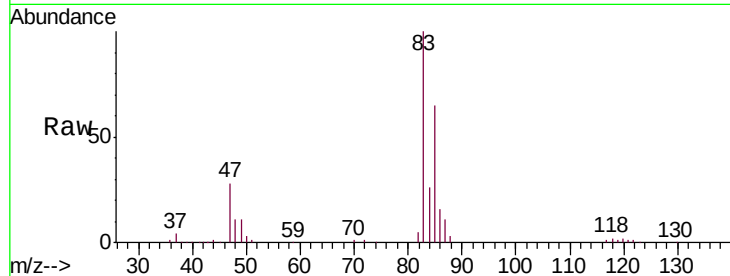




#25
Chloroform
Concen: 46.045 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV008578.D
Acq: 16 Nov 2018 11:54

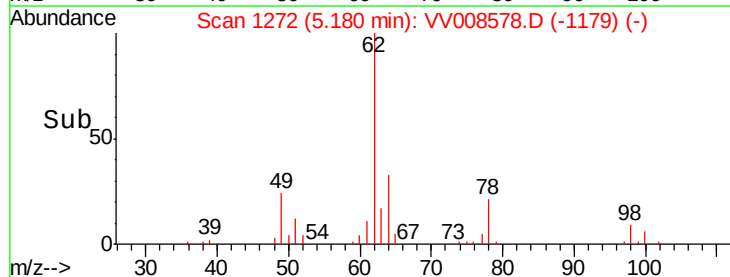
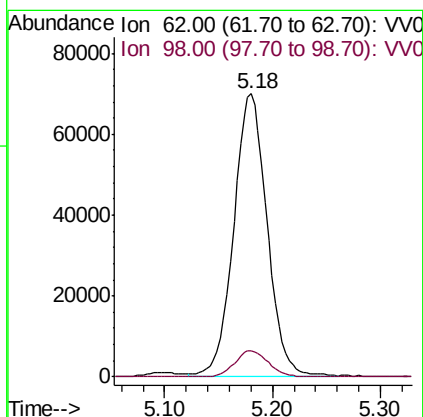
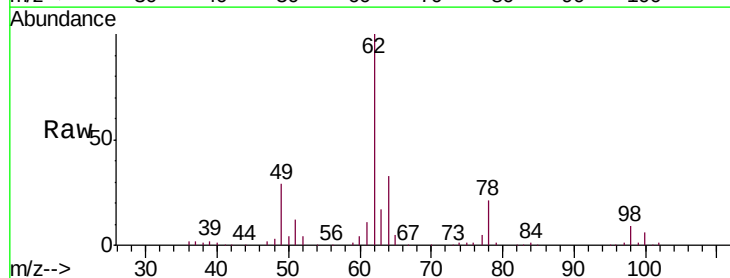
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

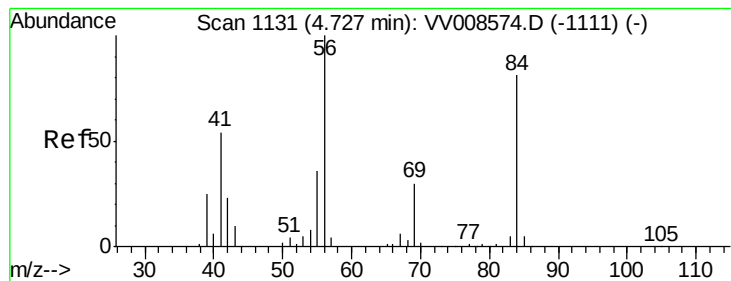
Tgt Ion: 83 Resp: 193425
Ion Ratio Lower Upper
83 100
85 65.1 43.8 81.4



#27
1,2-Dichloroethane
Concen: 49.137 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV008578.D
Acq: 16 Nov 2018 11:54

Tgt Ion: 62 Resp: 149132
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.4

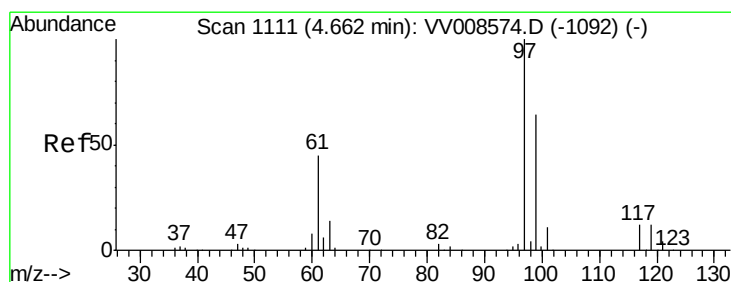
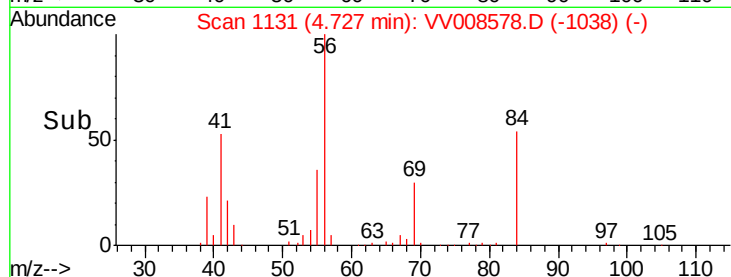
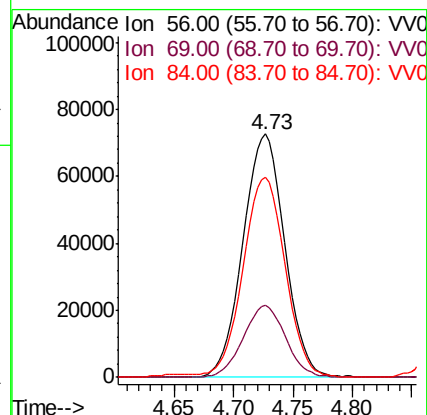
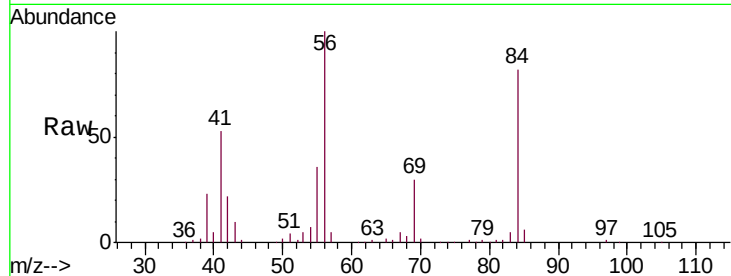




#29
Cyclohexane
Concen: 48.033 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV008578.D
Acq: 16 Nov 2018 11:54

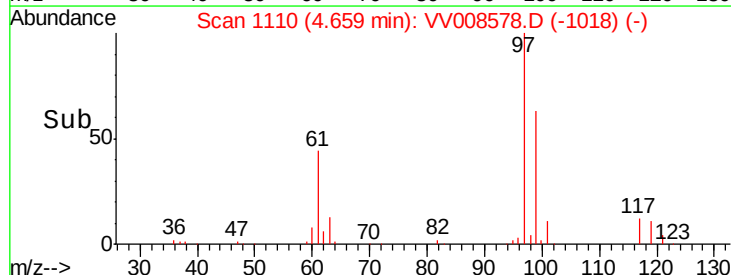
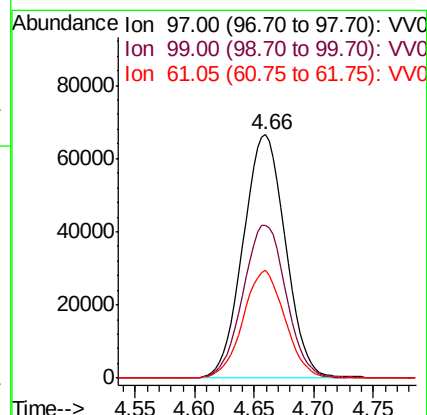
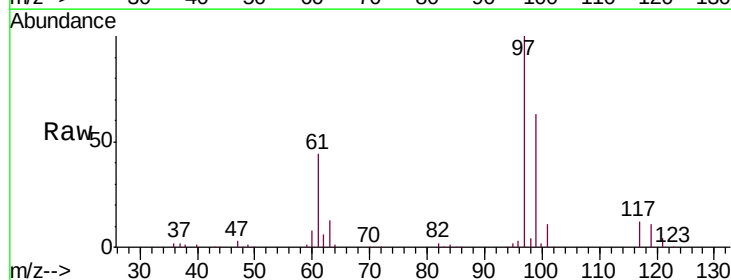
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

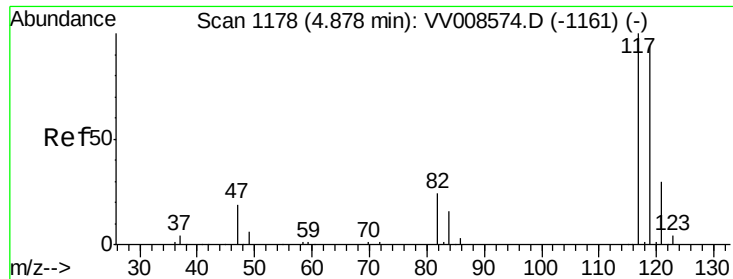
Tgt Ion: 56 Resp: 176807
Ion Ratio Lower Upper
56 100
69 29.9 24.2 36.2
84 82.0 66.0 99.0



#30
1,1,1-Trichloroethane
Concen: 49.908 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV008578.D
Acq: 16 Nov 2018 11:54

Tgt Ion: 97 Resp: 164416
Ion Ratio Lower Upper
97 100
99 63.9 51.4 77.2
61 43.7 34.3 51.5





#31

Carbon tetrachloride

Concen: 50.013 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

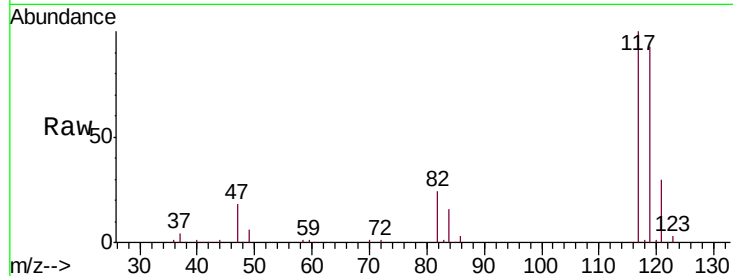
VSTD05075

Tgt Ion:117 Resp: 142502

Ion Ratio Lower Upper

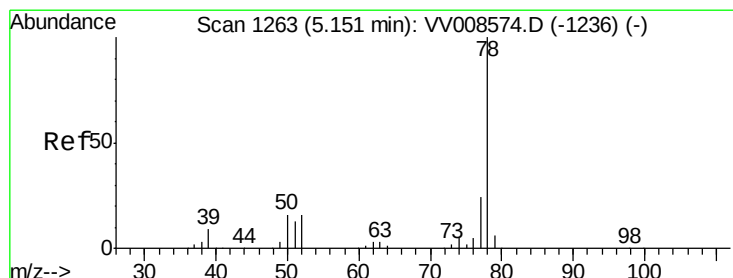
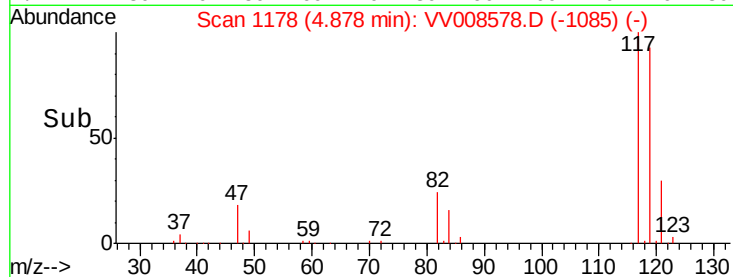
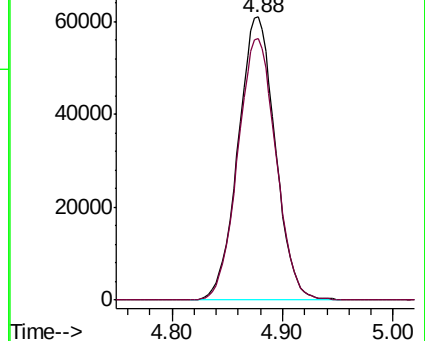
117 100

119 94.8 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.778 ug/L

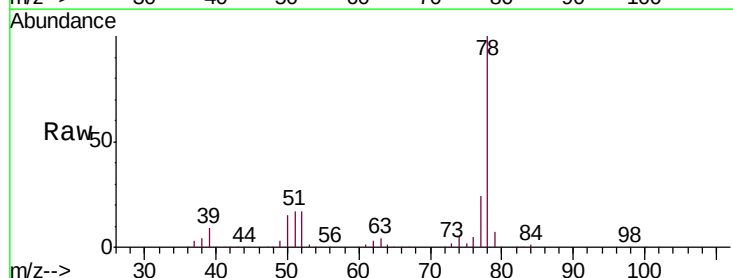
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

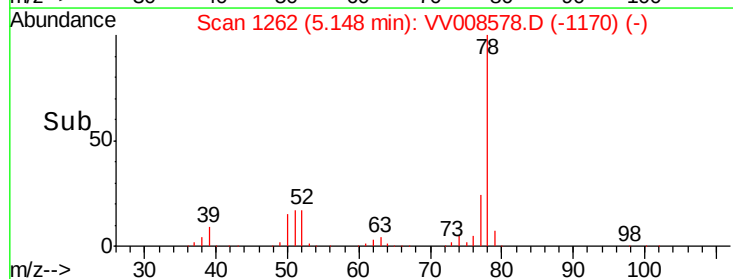
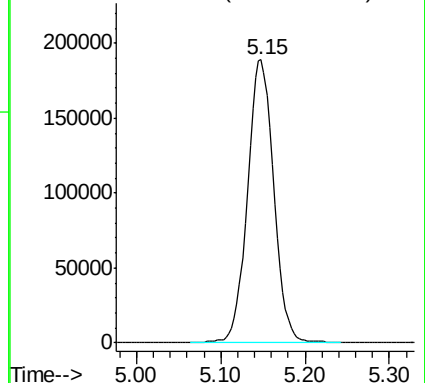
Lab File: VV008578.D

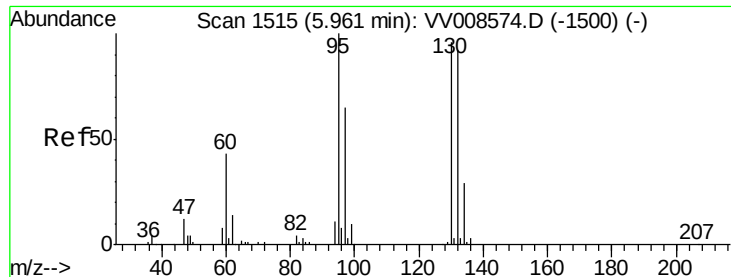
Acq: 16 Nov 2018 11:54

Tgt Ion: 78 Resp: 410945



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.810 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

Tgt Ion: 95 Resp: 105594

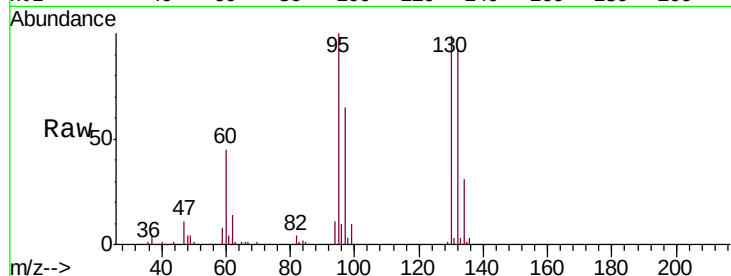
Ion Ratio Lower Upper

95 100

97 65.4 43.6 81.0

132 93.3 65.9 122.3

130 99.0 66.9 124.3

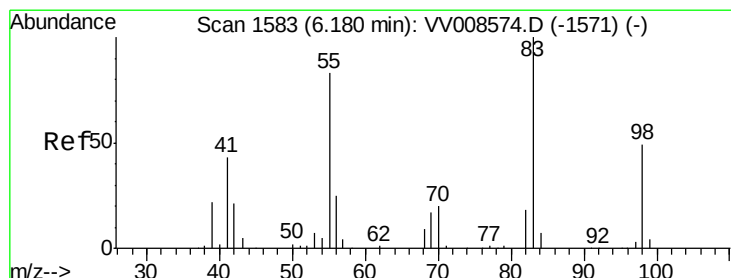
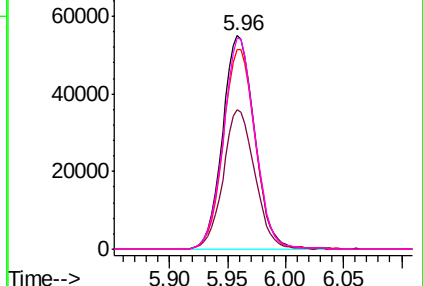
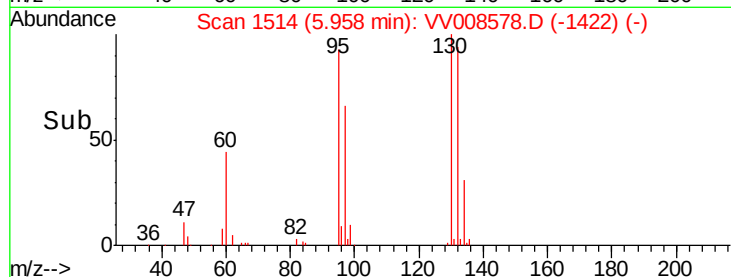


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 48.041 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

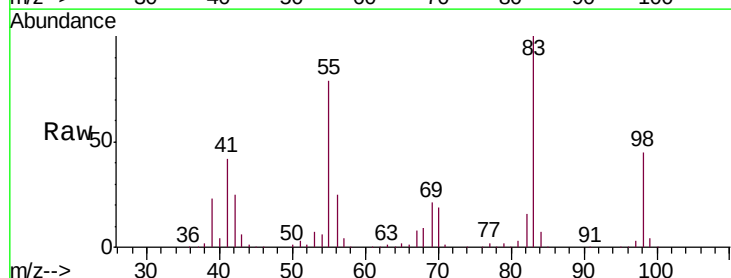
Tgt Ion: 83 Resp: 176964

Ion Ratio Lower Upper

83 100

55 78.3 65.5 98.3

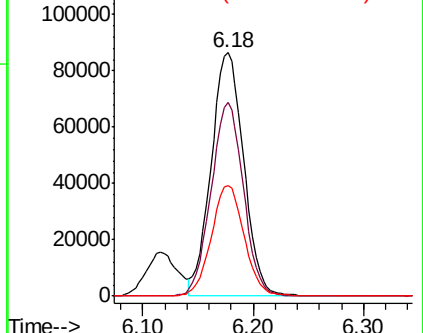
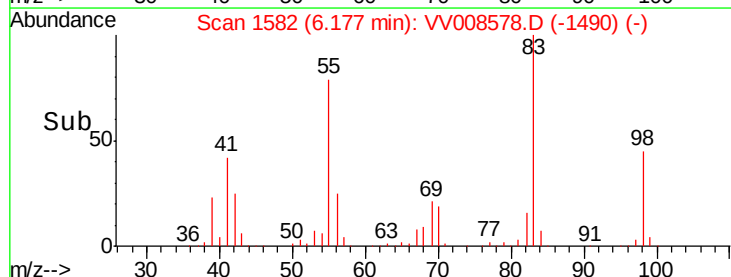
98 45.6 37.9 56.9

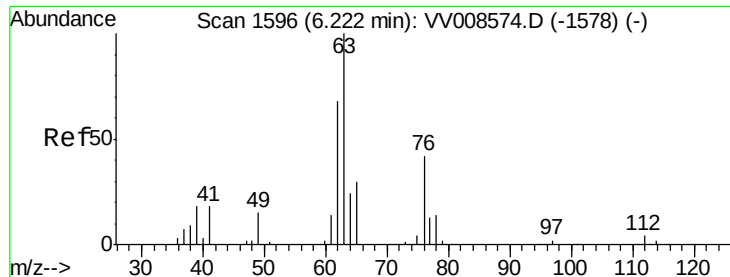


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

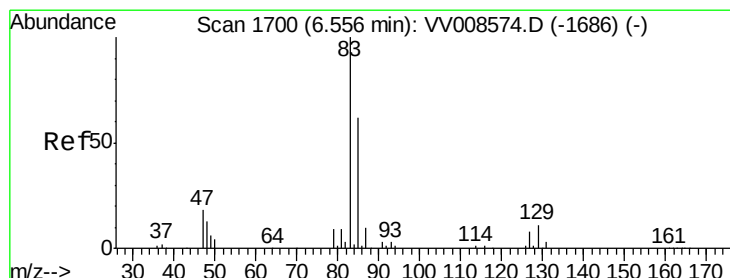
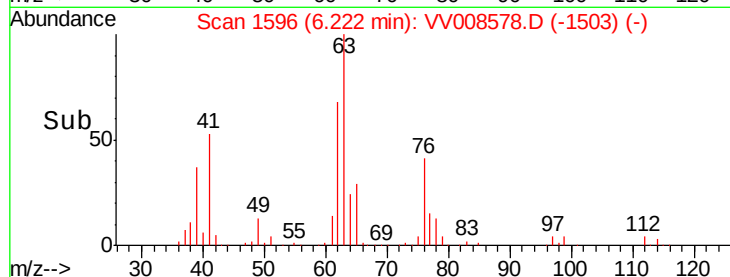
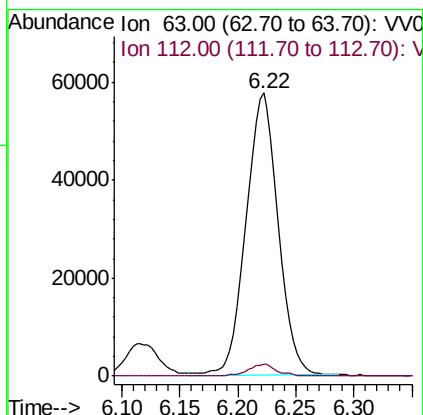
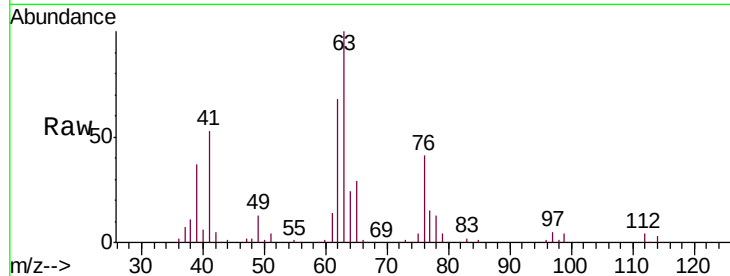




#37
 1,2-Dichloropropane
 Concen: 50.077 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV008578.D
 Acq: 16 Nov 2018 11:54

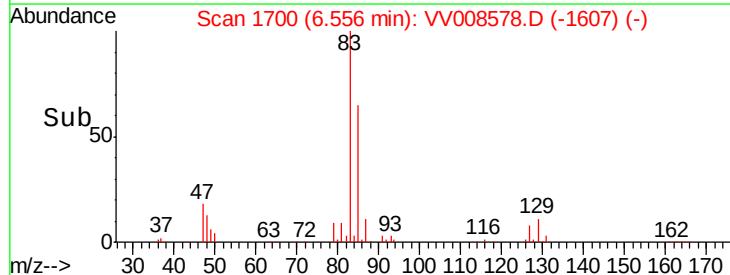
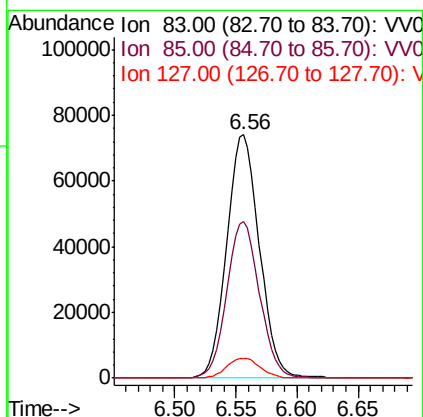
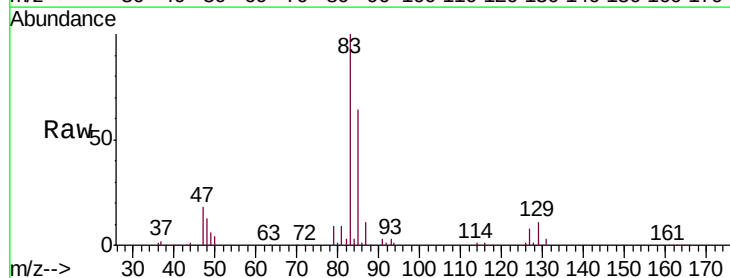
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

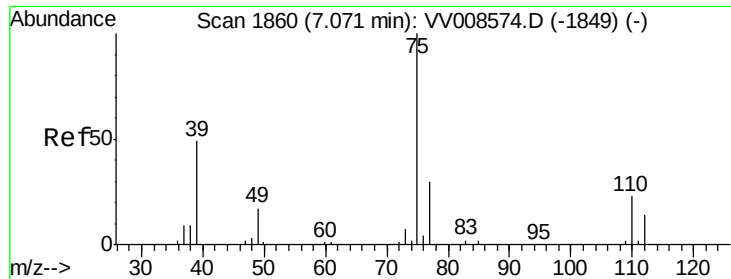
Tgt Ion: 63 Resp: 111817
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 49.442 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV008578.D
 Acq: 16 Nov 2018 11:54

Tgt Ion: 83 Resp: 138982
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.4 84.4
 127 8.1 6.6 10.0

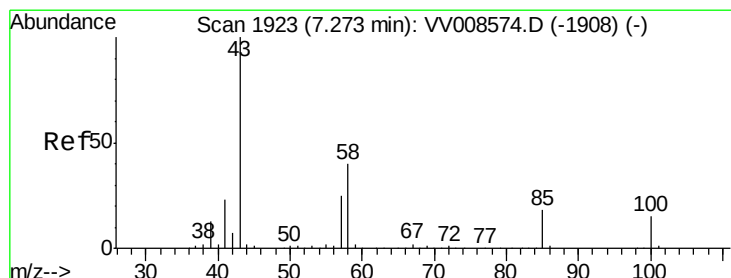
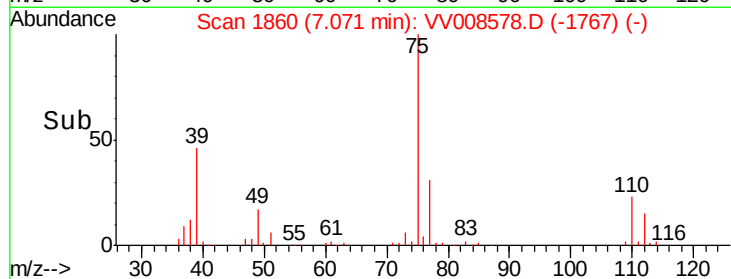
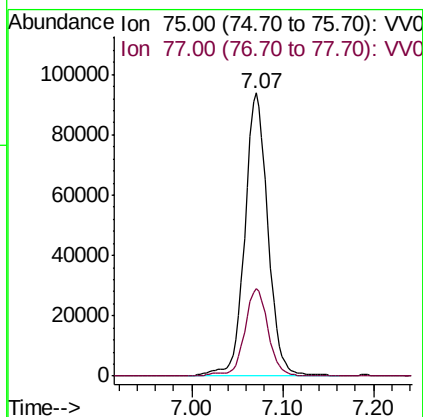
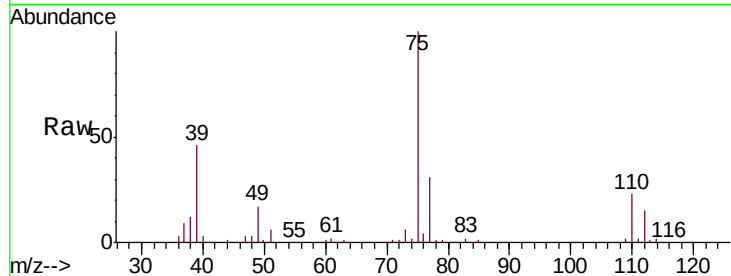




#39
 cis-1,3-Dichloropropene
 Concen: 48.621 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV008578.D
 Acq: 16 Nov 2018 11:54

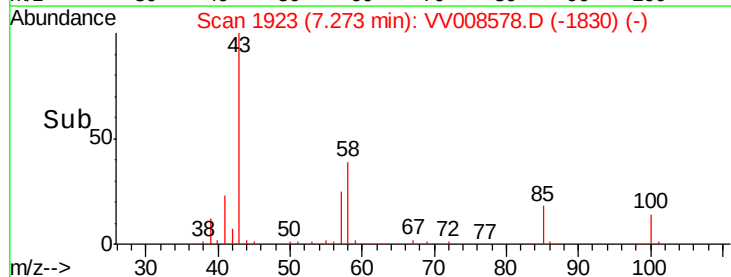
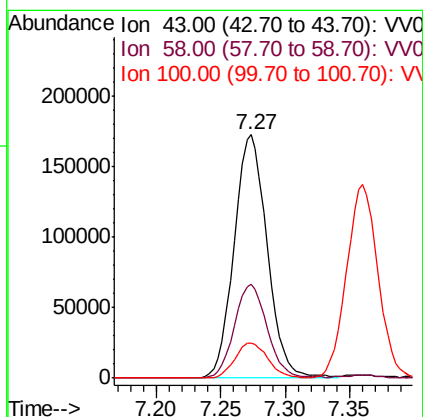
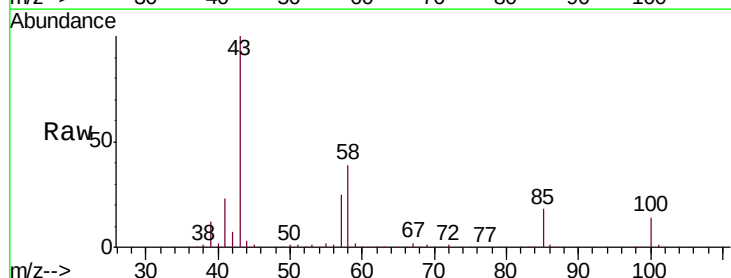
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

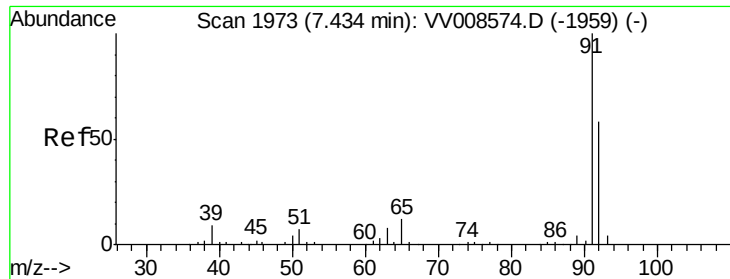
Tgt Ion: 75 Resp: 165835
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 102.684 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV008578.D
 Acq: 16 Nov 2018 11:54

Tgt Ion: 43 Resp: 307752
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.9 46.3
 100 14.5 11.5 17.3





#42

Toluene

Concen: 49.769 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

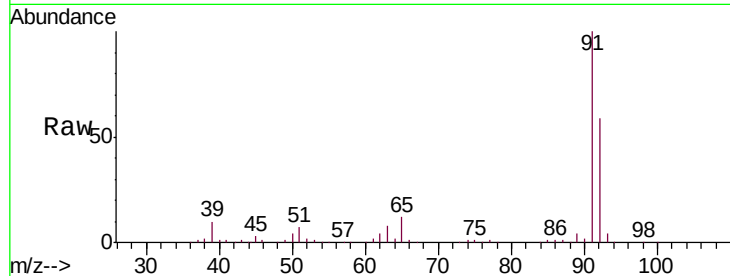
VSTD05075

Tgt Ion: 91 Resp: 427005

Ion Ratio Lower Upper

91 100

92 58.9 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VV008574.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008574.D (-1959) (-)

7.43

250000

200000

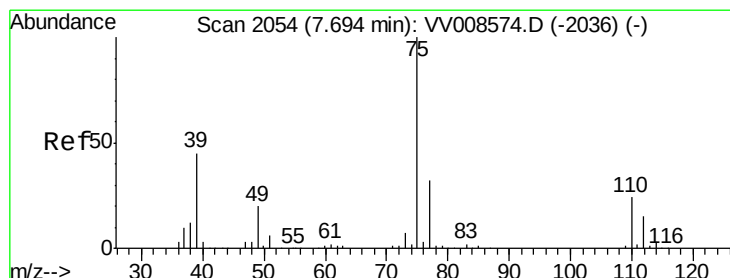
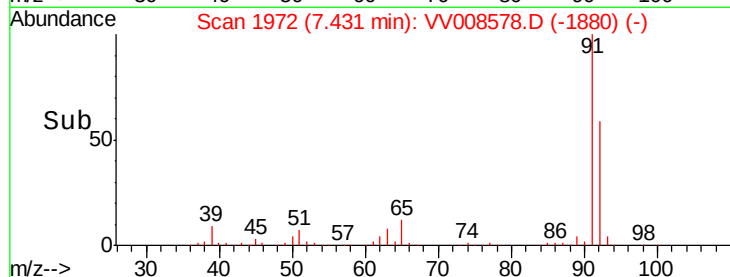
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.203 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008578.D

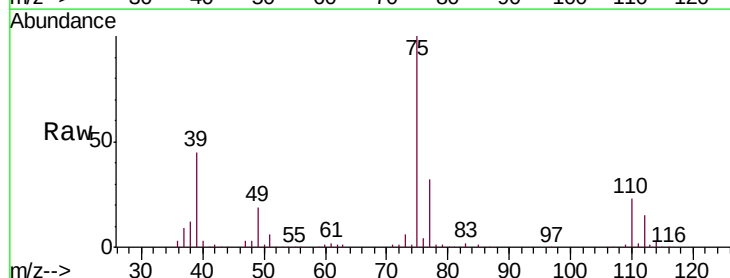
Acq: 16 Nov 2018 11:54

Tgt Ion: 75 Resp: 151066

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV008574.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV008574.D (-2036) (-)

7.69

100000

80000

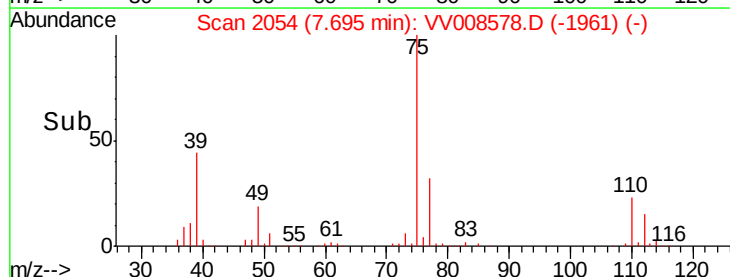
60000

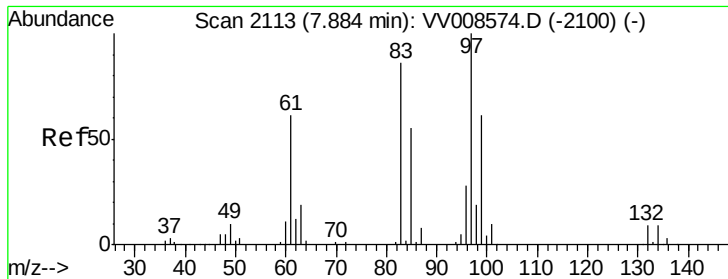
40000

20000

0

Time-->

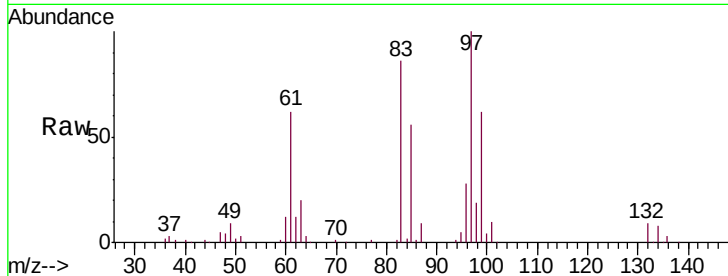




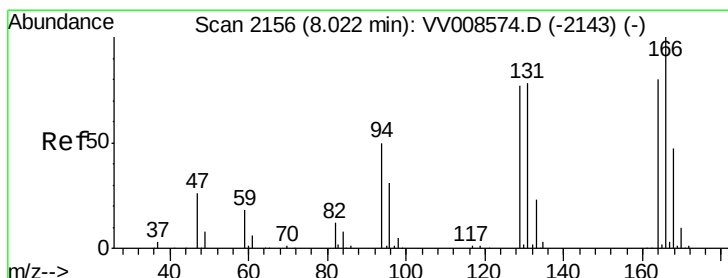
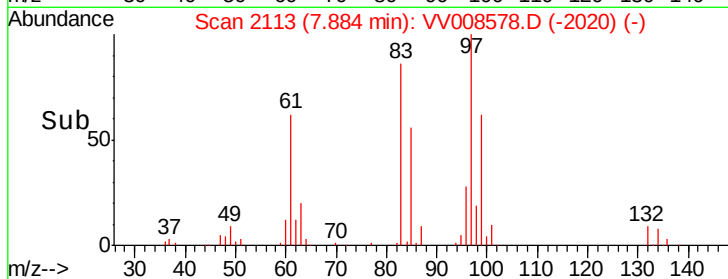
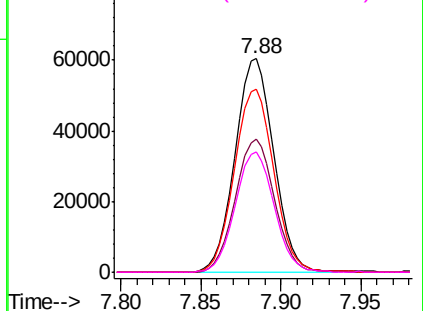
#45
 1,1,2-Trichloroethane
 Concen: 50.021 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV008578.D
 Acq: 16 Nov 2018 11:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Tgt Ion:	97	Resp:	99956
Ion	Ratio	Lower	Upper
97	100		
99	62.1	42.9	79.7
83	85.6	60.4	112.2
85	56.1	38.5	71.5

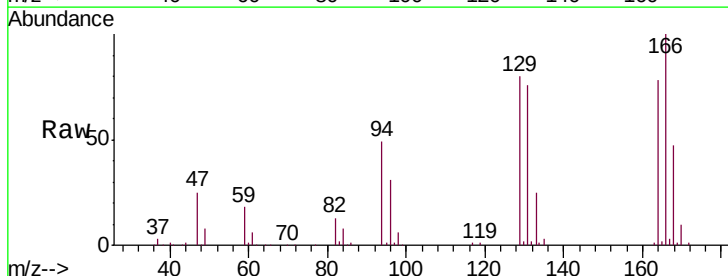


Abundance Ion 97.00 (96.70 to 97.70): VV008578.D (-2020) (-)
 Ion 99.00 (98.70 to 99.70): VV008578.D (-2020) (-)
 Ion 83.00 (82.70 to 83.70): VV008578.D (-2020) (-)
 Ion 85.00 (84.70 to 85.70): VV008578.D (-2020) (-)

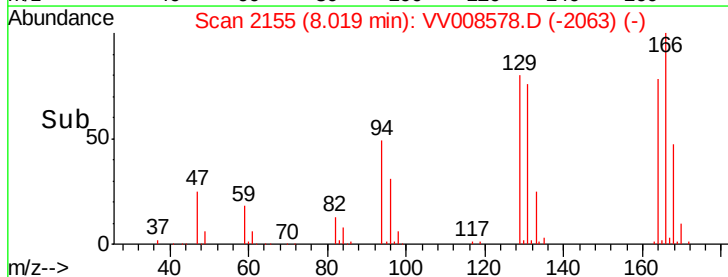
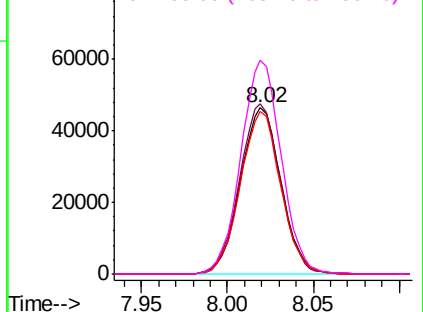


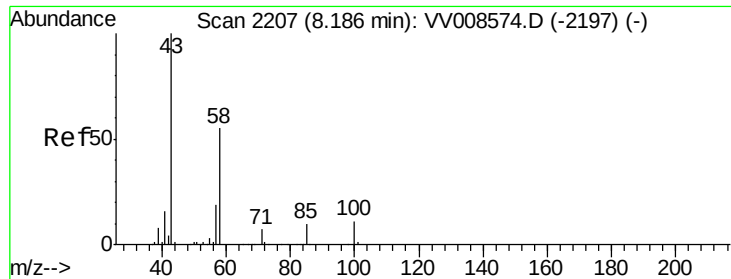
#46
 Tetrachloroethene
 Concen: 49.365 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV008578.D
 Acq: 16 Nov 2018 11:54

Tgt Ion:	164	Resp:	76557
Ion	Ratio	Lower	Upper
164	100		
129	102.4	74.3	138.1
131	97.8	68.9	127.9
166	128.4	93.2	173.0



Abundance Ion 164.00 (163.70 to 164.70): VV008578.D (-2063) (-)
 Ion 129.00 (128.70 to 129.70): VV008578.D (-2063) (-)
 Ion 131.00 (130.70 to 131.70): VV008578.D (-2063) (-)
 Ion 166.00 (165.70 to 166.70): VV008578.D (-2063) (-)

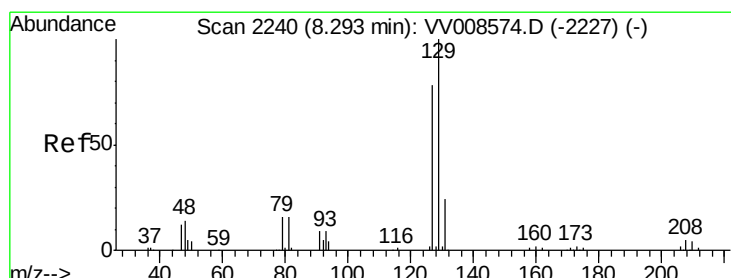
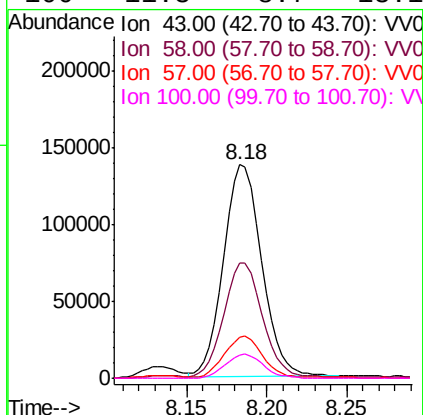
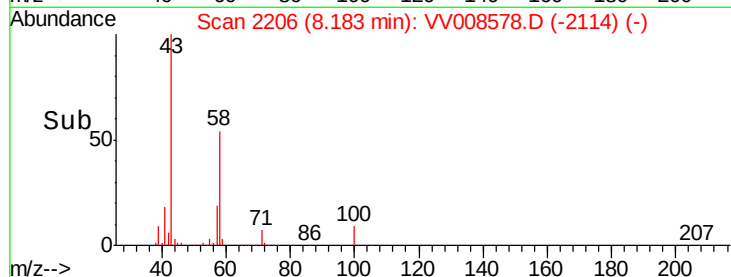
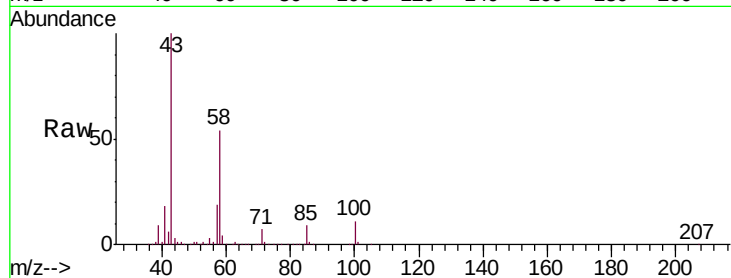




#48
2-Hexanone
Concen: 97.381 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV008578.D
Acq: 16 Nov 2018 11:54

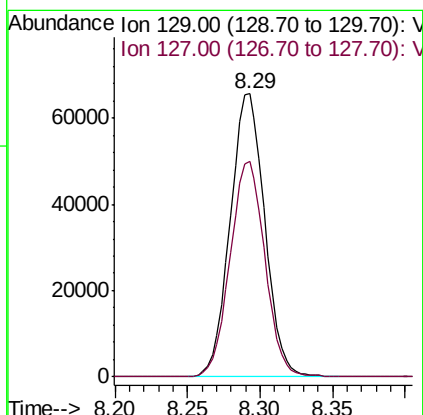
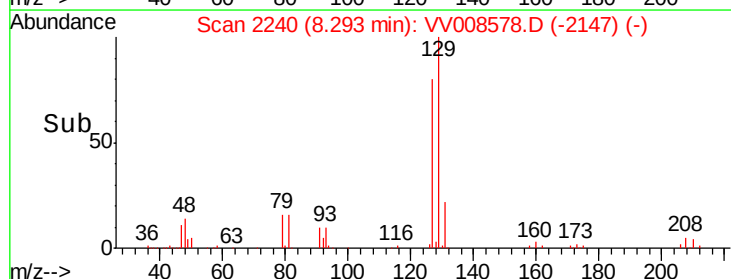
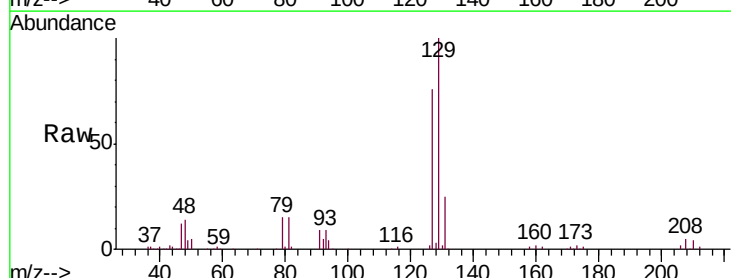
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

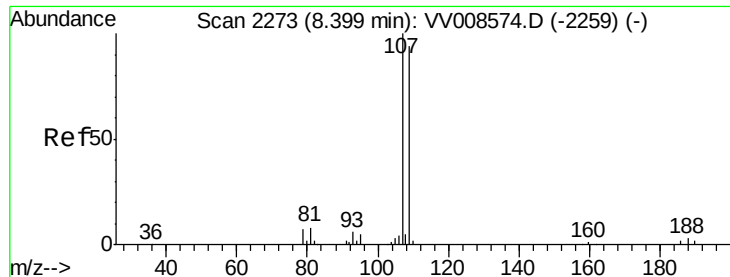
Tgt Ion: 43 Resp: 224285
Ion Ratio Lower Upper
43 100
58 55.4 43.8 65.6
57 19.3 14.6 22.0
100 11.3 8.7 13.1



#49
Dibromochloromethane
Concen: 51.460 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008578.D
Acq: 16 Nov 2018 11:54

Tgt Ion: 129 Resp: 108856
Ion Ratio Lower Upper
129 100
127 76.0 54.1 100.5

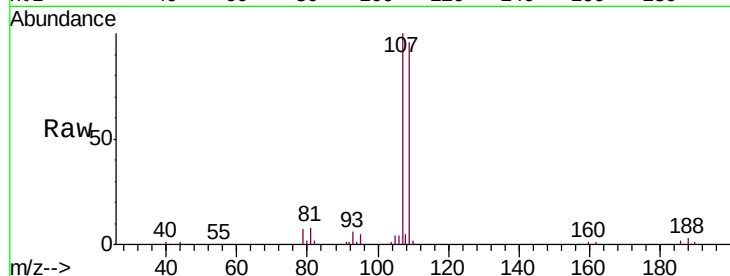




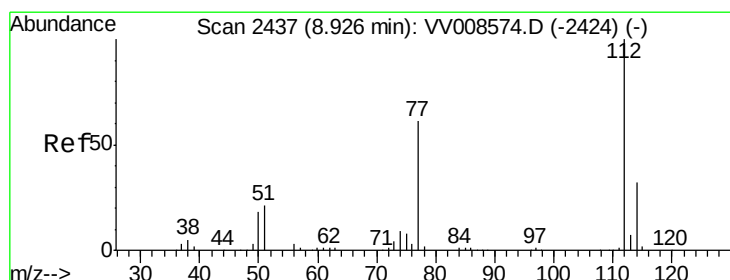
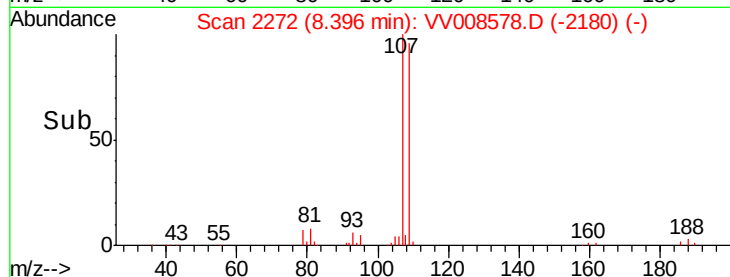
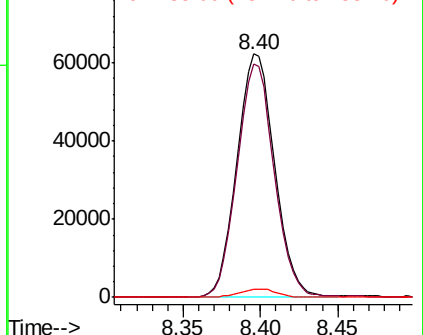
#50
1,2-Dibromoethane
Concen: 50.663 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV008578.D
Acq: 16 Nov 2018 11:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

Tgt Ion:107 Resp: 105728
Ion Ratio Lower Upper
107 100
109 95.6 66.2 123.0
188 3.2 2.6 4.0

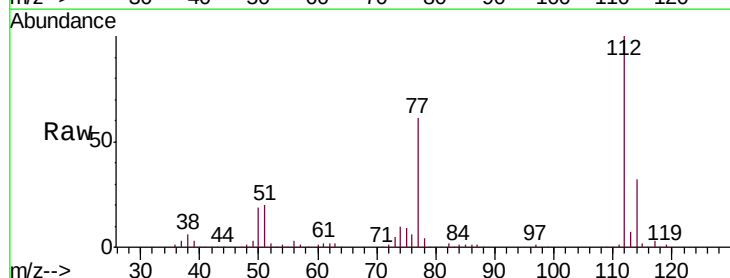


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

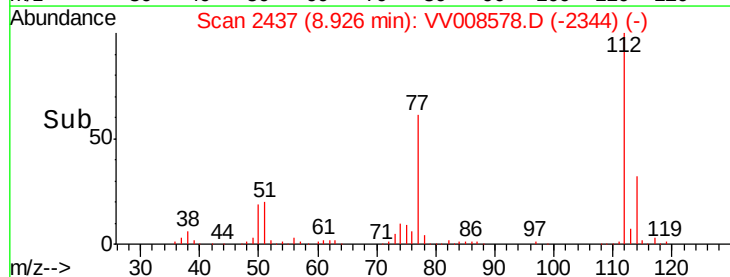
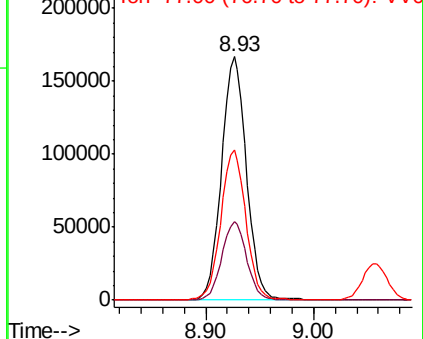


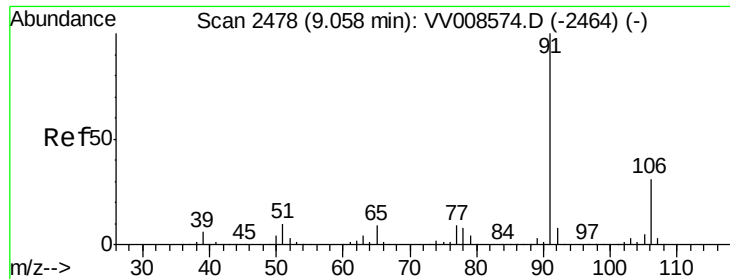
#51
Chlorobenzene
Concen: 50.066 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008578.D
Acq: 16 Nov 2018 11:54

Tgt Ion:112 Resp: 268430
Ion Ratio Lower Upper
112 100
114 32.2 22.4 41.6
77 61.5 48.6 72.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 50.435 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

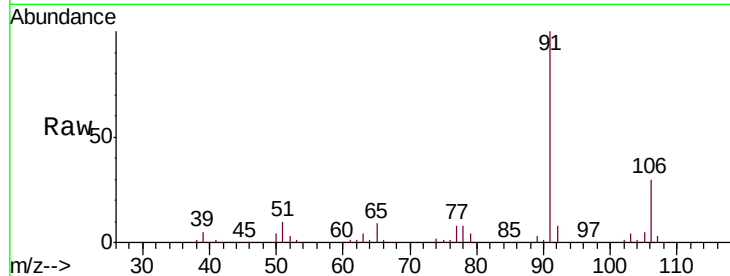
VSTD05075

Tgt Ion: 91 Resp: 476453

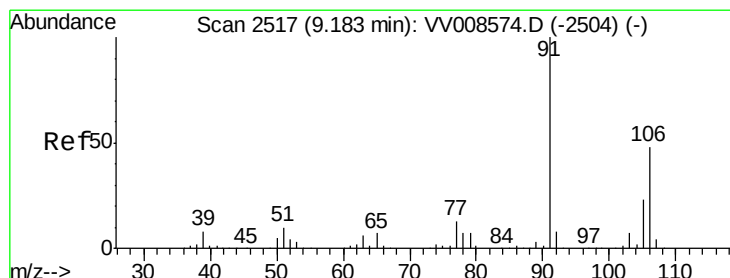
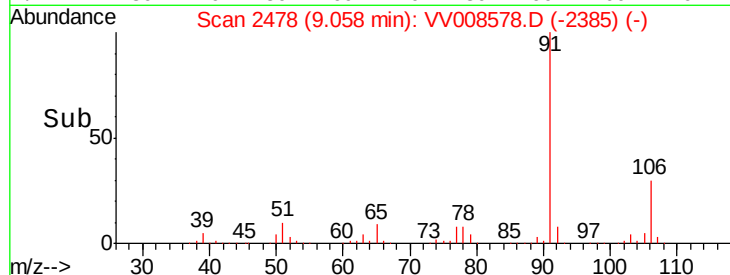
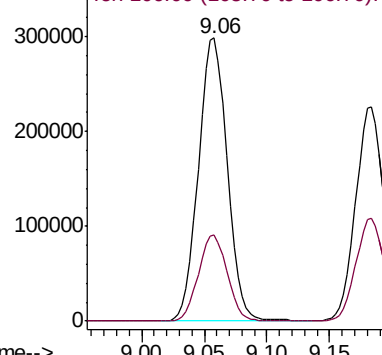
Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV008578.D (-2385) (-)



#53

m,p-Xylene

Concen: 51.034 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008578.D

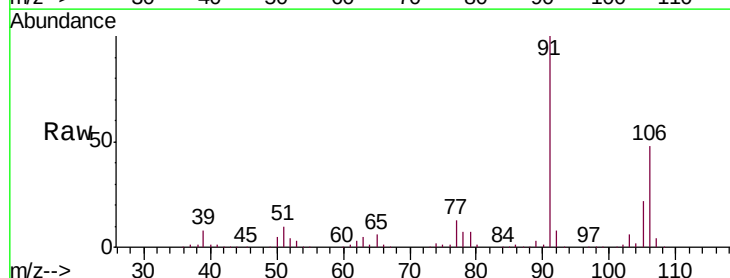
Acq: 16 Nov 2018 11:54

Tgt Ion: 106 Resp: 176443

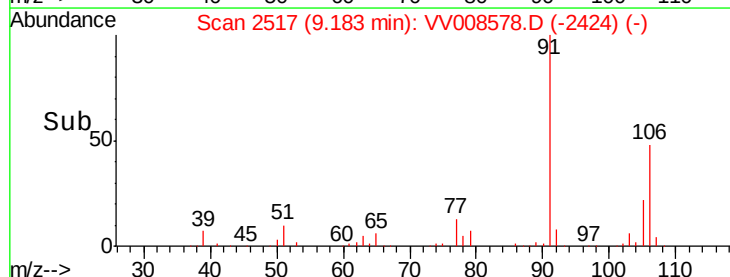
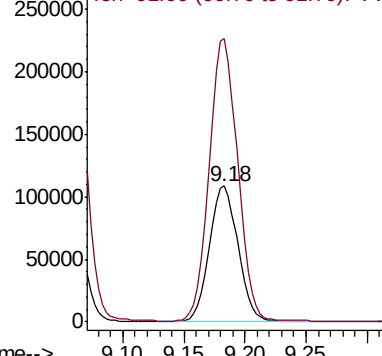
Ion Ratio Lower Upper

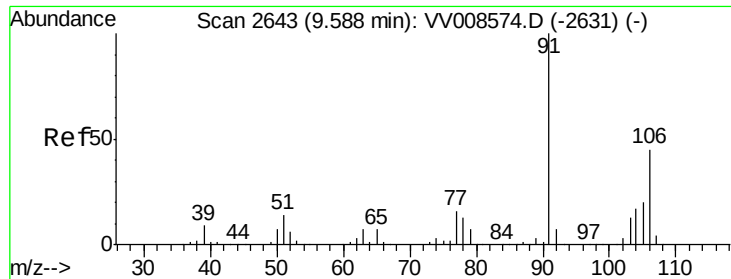
106 100

91 208.3 142.5 264.7



Abundance Ion 106.00 (105.70 to 106.70): VV008578.D (-2424) (-)





#54

o-xylene

Concen: 50.747 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

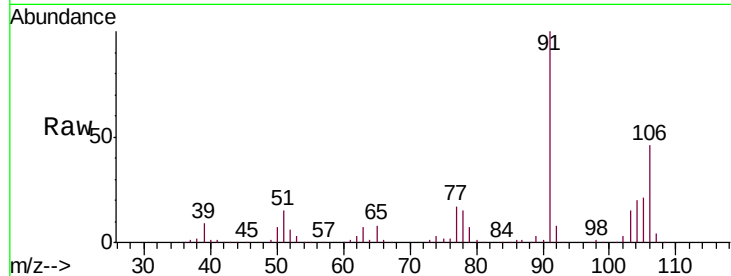
VSTD05075

Tgt Ion:106 Resp: 173896

Ion Ratio Lower Upper

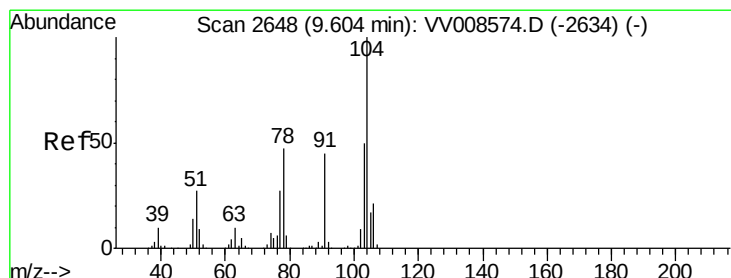
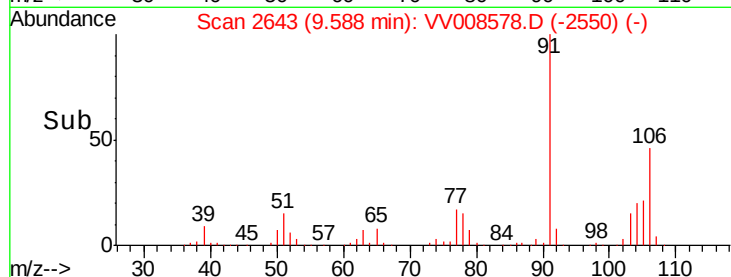
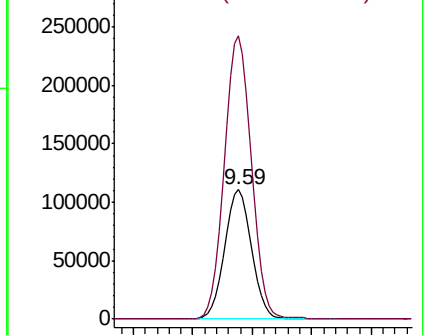
106 100

91 219.0 154.6 287.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.148 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV008578.D

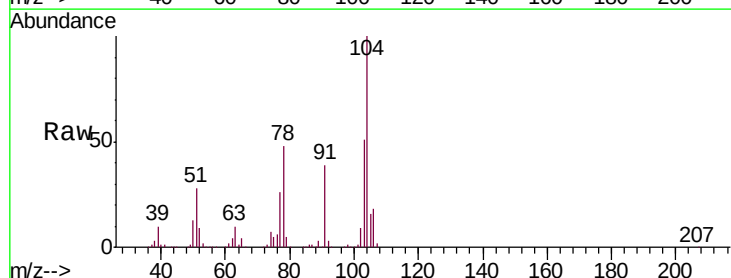
Acq: 16 Nov 2018 11:54

Tgt Ion:104 Resp: 286742

Ion Ratio Lower Upper

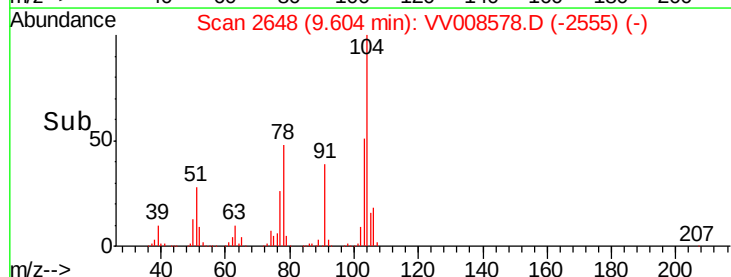
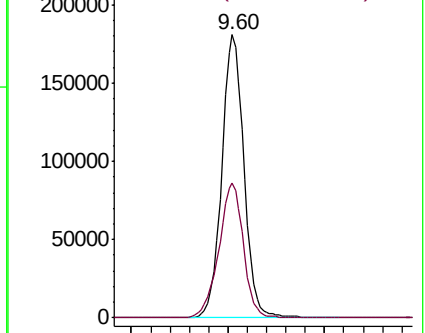
104 100

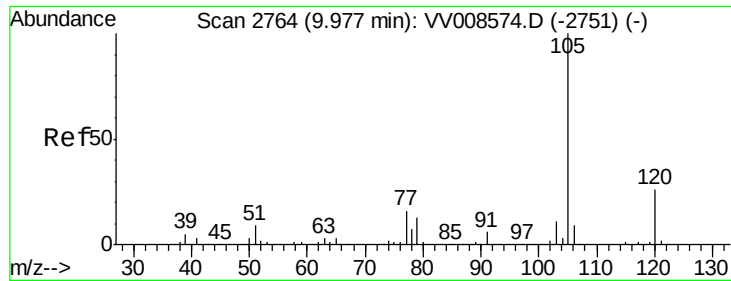
78 47.8 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.386 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

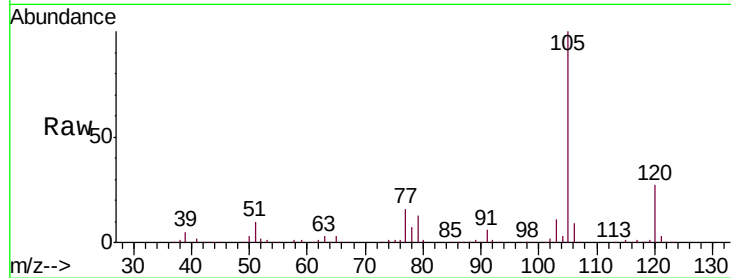
Tgt Ion:105 Resp: 463539

Ion Ratio Lower Upper

105 100

120 26.6 20.8 31.2

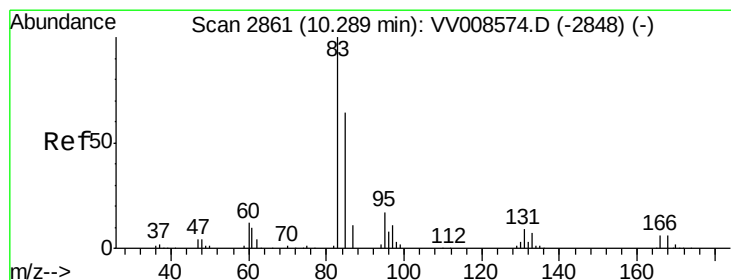
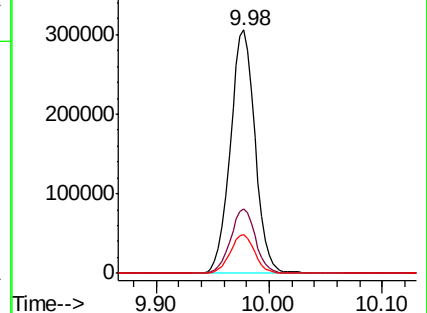
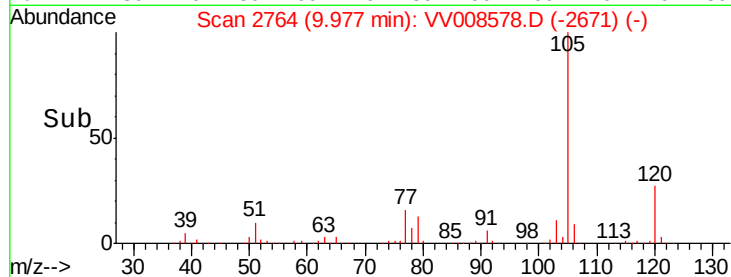
77 15.8 12.9 19.3



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: 51.527 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

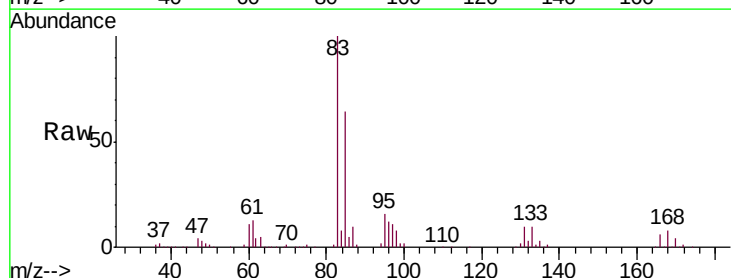
Tgt Ion: 83 Resp: 166933

Ion Ratio Lower Upper

83 100

85 64.5 45.8 85.0

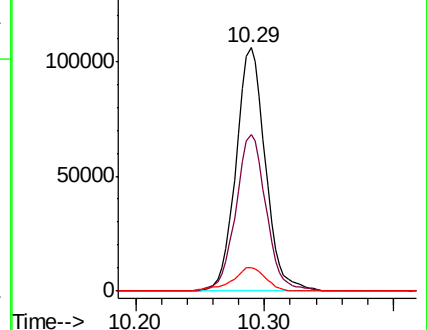
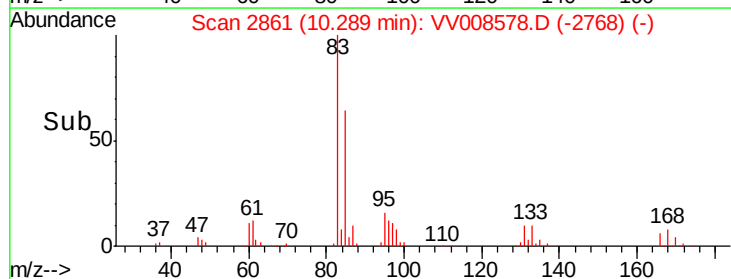
131 9.8 8.2 12.4

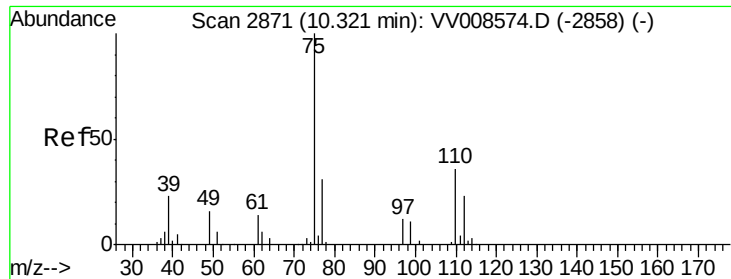


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.844 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

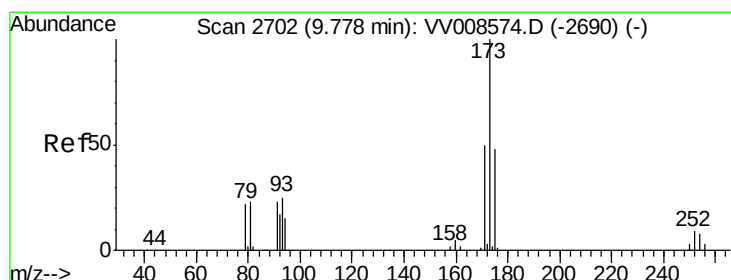
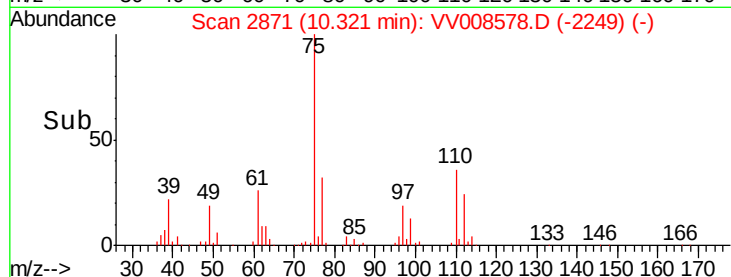
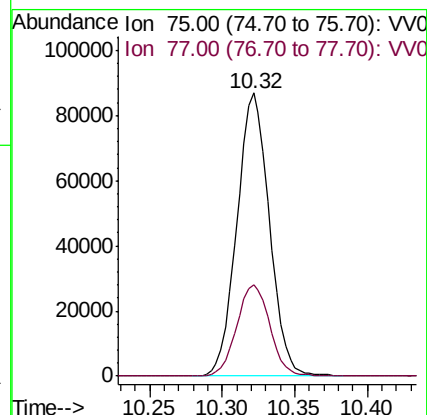
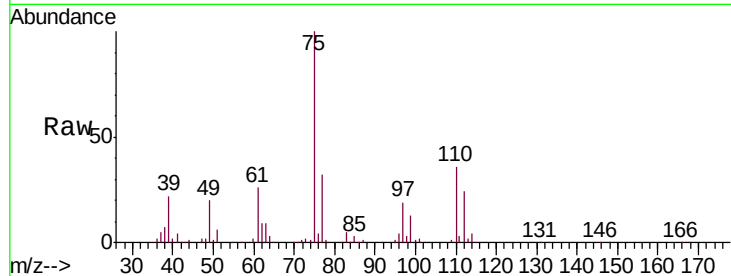
VSTD05075

Tgt Ion: 75 Resp: 135003

Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.2



#61

Bromoform

Concen: 48.929 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

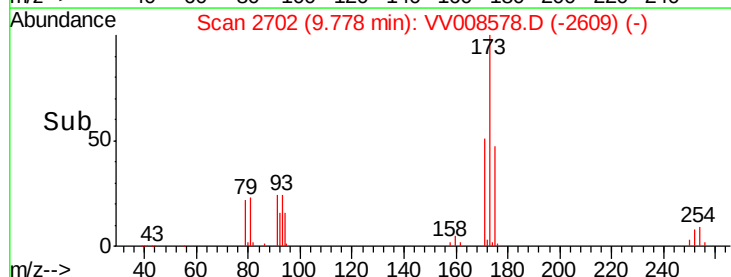
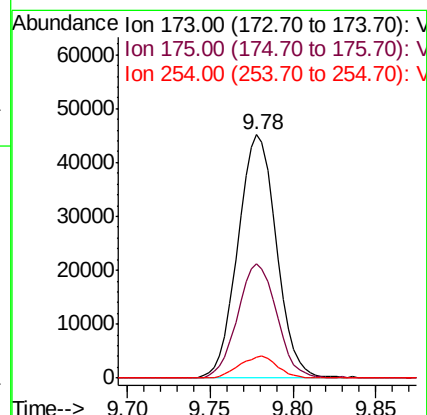
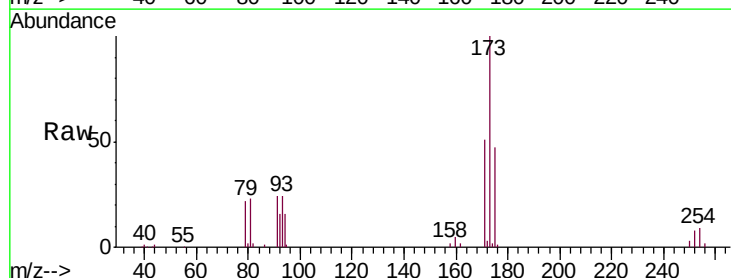
Tgt Ion: 173 Resp: 73178

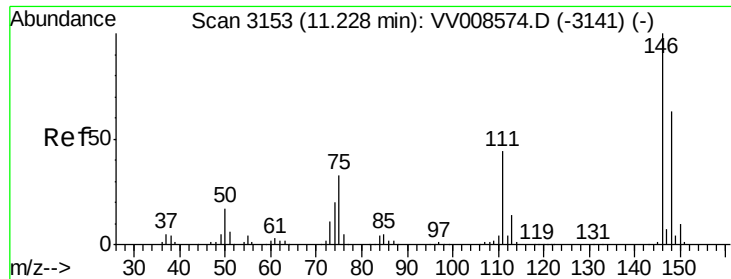
Ion Ratio Lower Upper

173 100

175 47.8 38.2 57.4

254 8.9 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 49.075 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

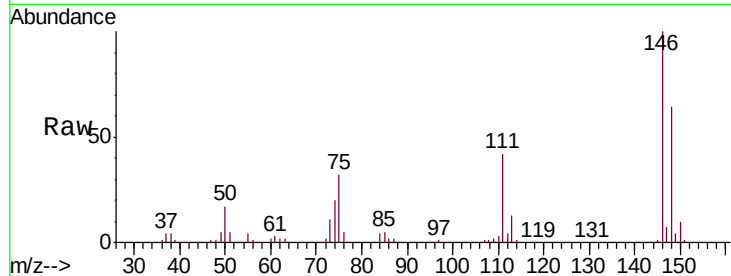
Tgt Ion:146 Resp: 200766

Ion Ratio Lower Upper

146 100

111 42.1 29.5 54.9

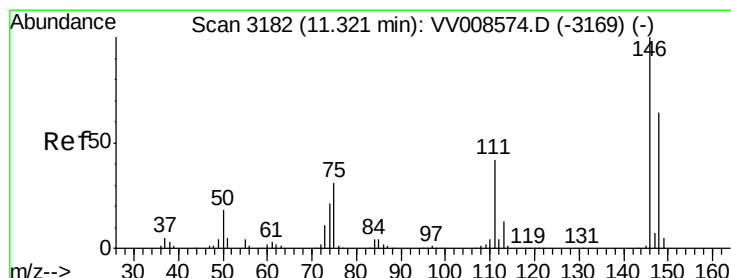
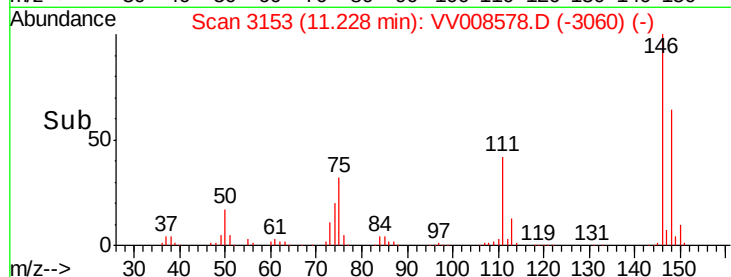
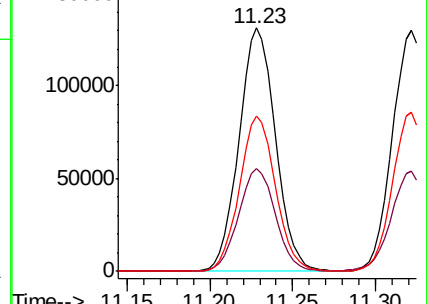
148 63.8 44.4 82.4



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: 48.612 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

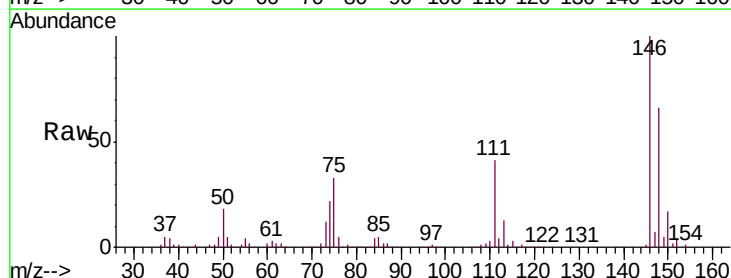
Tgt Ion:146 Resp: 199288

Ion Ratio Lower Upper

146 100

111 41.5 28.2 52.4

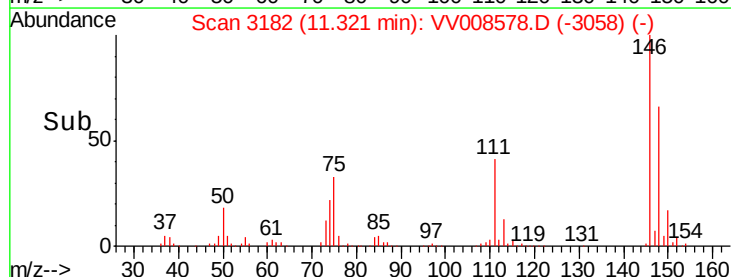
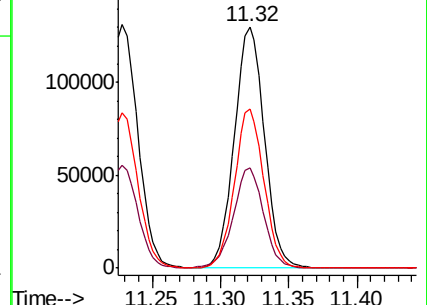
148 65.8 44.7 82.9

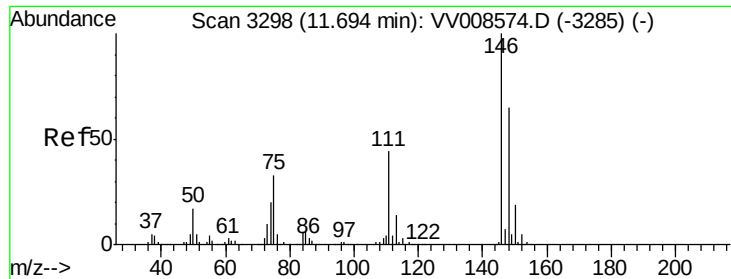


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

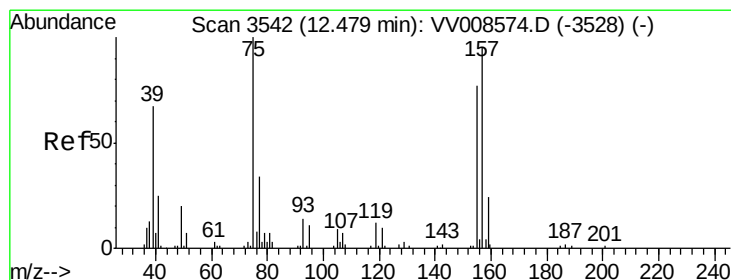
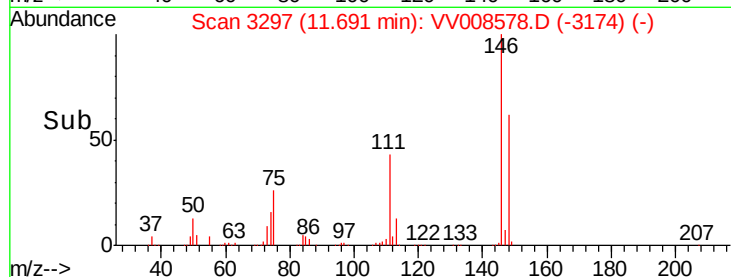
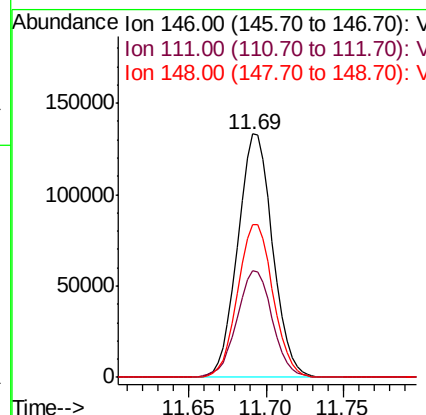
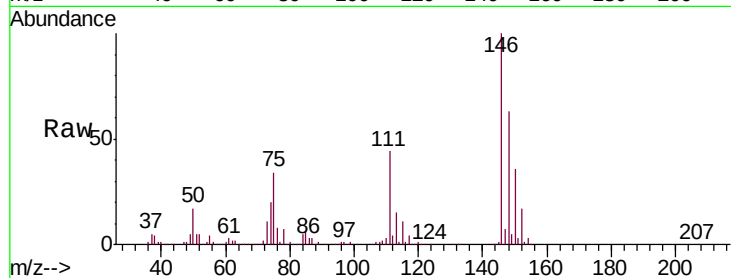




#65
 1,2-Dichlorobenzene
 Concen: 49.856 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV008578.D
 Acq: 16 Nov 2018 11:54

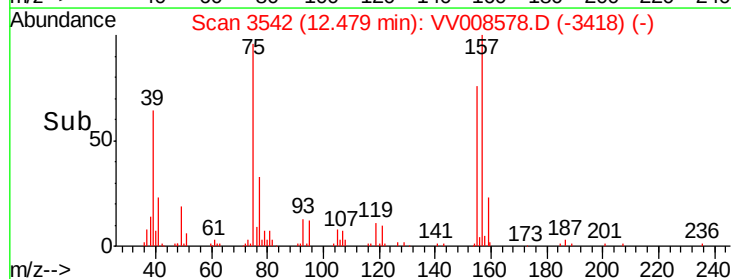
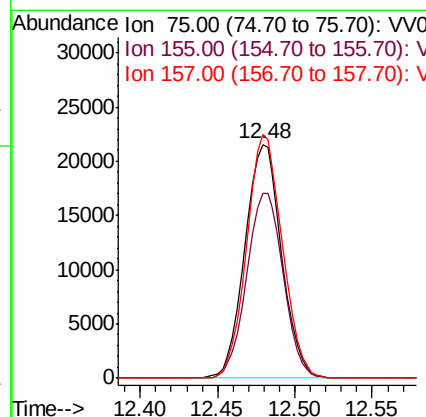
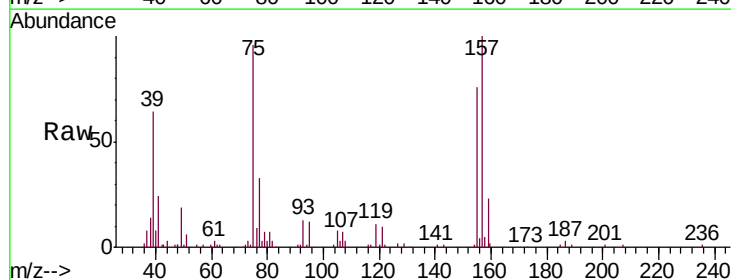
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

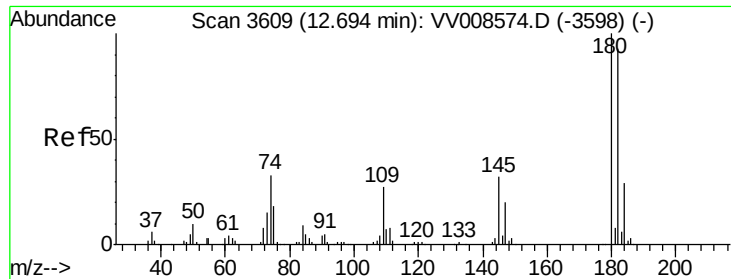
Tgt Ion: 146 Resp: 208603
 Ion Ratio Lower Upper
 146 100
 111 43.8 35.8 53.6
 148 62.6 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.282 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV008578.D
 Acq: 16 Nov 2018 11:54

Tgt Ion: 75 Resp: 35345
 Ion Ratio Lower Upper
 75 100
 155 78.8 62.7 94.1
 157 104.2 77.4 116.0

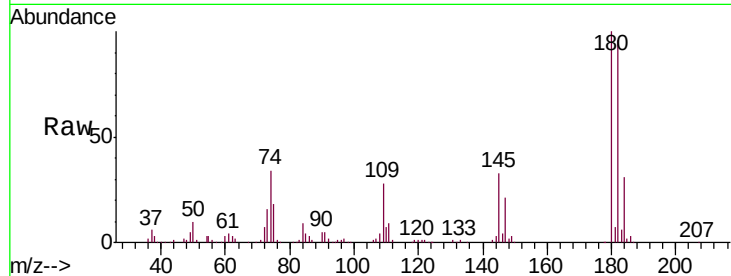




#67
 1,3,5-Trichlorobenzene
 Concen: 50.499 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008578.D
 Acq: 16 Nov 2018 11:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.7	113.5
184	30.5	24.2	36.4
145	32.1	25.6	38.4



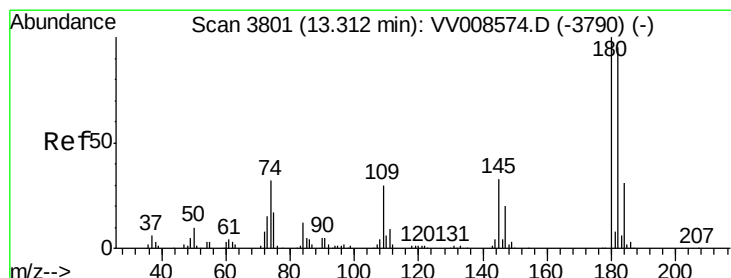
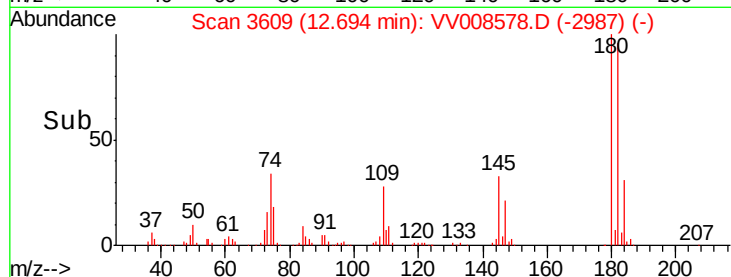
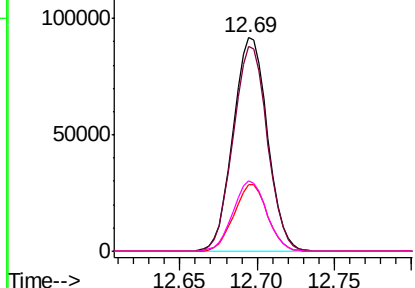
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

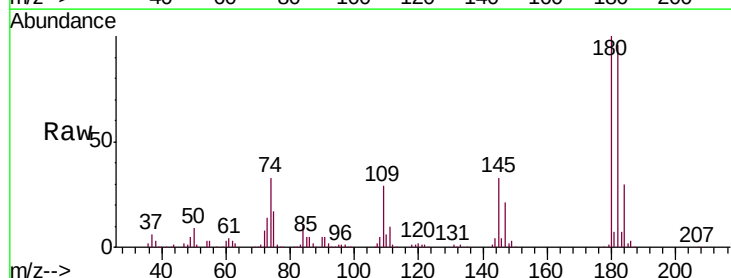
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.039 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008578.D
 Acq: 16 Nov 2018 11:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.3	112.9
145	32.5	26.0	39.0

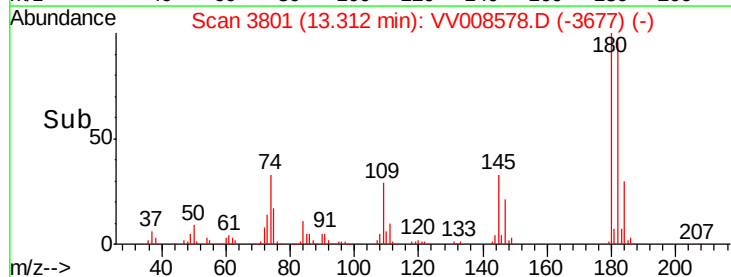
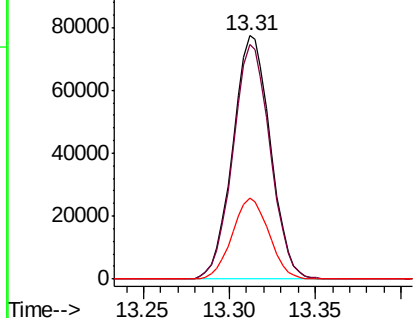


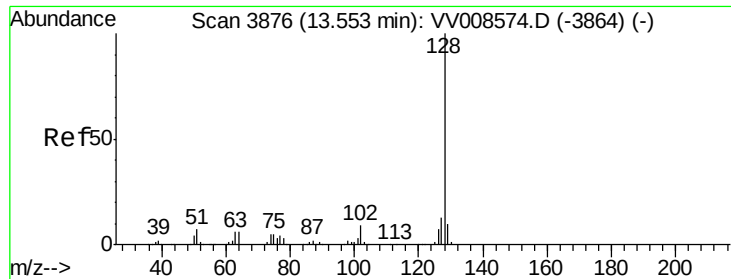
Abundance

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: 55.629 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

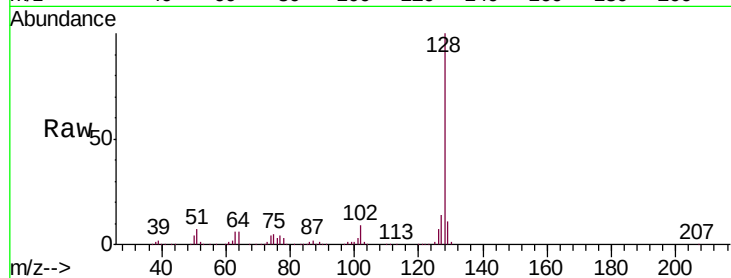
Tgt Ion:128 Resp: 362099

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

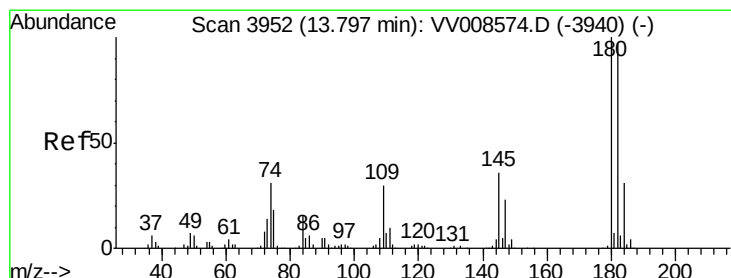
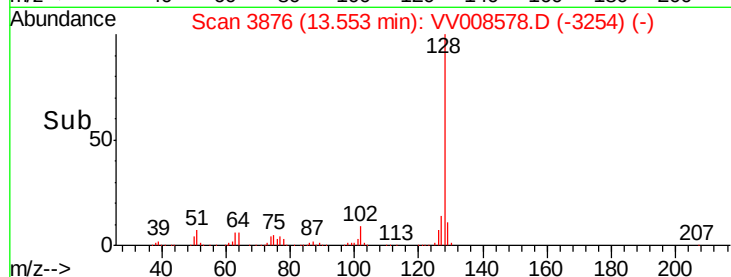
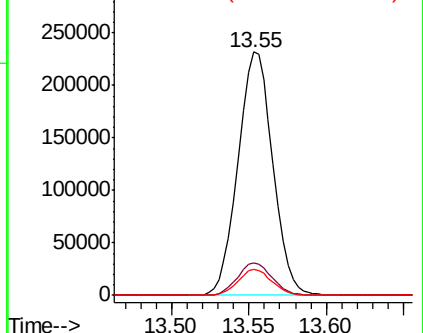
129 10.5 8.8 13.2



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: 53.184 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008578.D

Acq: 16 Nov 2018 11:54

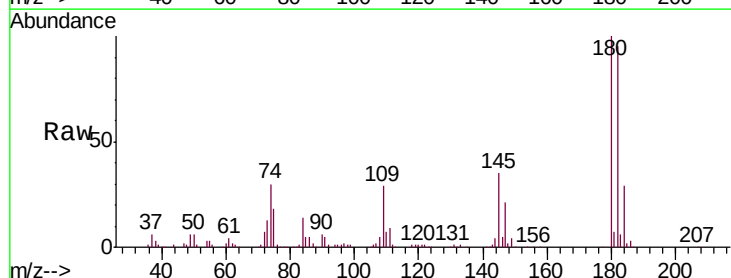
Tgt Ion:180 Resp: 119021

Ion Ratio Lower Upper

180 100

182 95.3 76.4 114.6

145 35.7 28.0 42.0



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

