

Data File : VV008729.D
Acq On : 27 Nov 2018 12:25
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

Quant Time: Nov 28 02:12:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 28 02:09:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	245673	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	230551	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	111127	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	75709	43.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.36%
7) Chloroethane-d5	1.57	69	57790	61.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.08%
11) 1,1-Dichloroethene-d2	2.13	63	131620	46.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.02%
21) 2-Butanone-d5	3.93	46	141149	99.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.92%
24) Chloroform-d	4.40	84	174600	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
26) 1,2-Dichloroethane-d4	5.08	65	112185	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.92%
32) Benzene-d6	5.10	84	353843	49.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.68%
36) 1,2-Dichloropropane-d6	6.12	67	113003	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.82%
41) Toluene-d8	7.36	98	325482	50.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.12%
43) trans-1,3-Dichloropropene-	7.66	79	53039	52.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.80%
47) 2-Hexanone-d5	8.13	63	99379	98.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.04%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	155175	50.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.50%
64) 1,2-Dichlorobenzene-d4	11.68	152	124953	51.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.02%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	89177	44.821 ug/L	97
3) Chloromethane	1.25	50	93148	48.335 ug/L	97
5) Vinyl chloride	1.33	62	84154	44.978 ug/L	99
6) Bromomethane	1.52	94	33729	53.433 ug/L	98
8) Chloroethane	1.59	64	49037	52.324 ug/L	97
9) Trichlorofluoromethane	1.76	101	117684	48.883 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	67808	48.794 ug/L	98
12) 1,1-Dichloroethene	2.14	96	61280	49.129 ug/L	88
13) Acetone	2.19	43	124316	88.939 ug/L	99
14) Carbon disulfide	2.32	76	214499	44.161 ug/L	99
15) Methyl Acetate	2.46	43	111699	50.680 ug/L	99
16) Methylene chloride	2.54	84	99343	51.421 ug/L	93
17) trans-1,2-Dichloroethene	2.79	96	86319	49.894 ug/L	94
18) Methyl tert-butyl Ether	2.80	73	303769	52.869 ug/L	98
19) 1,1-Dichloroethane	3.23	63	166489	50.164 ug/L	97
20) cis-1,2-Dichloroethene	3.96	96	101679	51.401 ug/L	88
22) 2-Butanone	4.01	43	166431	94.032 ug/L	95

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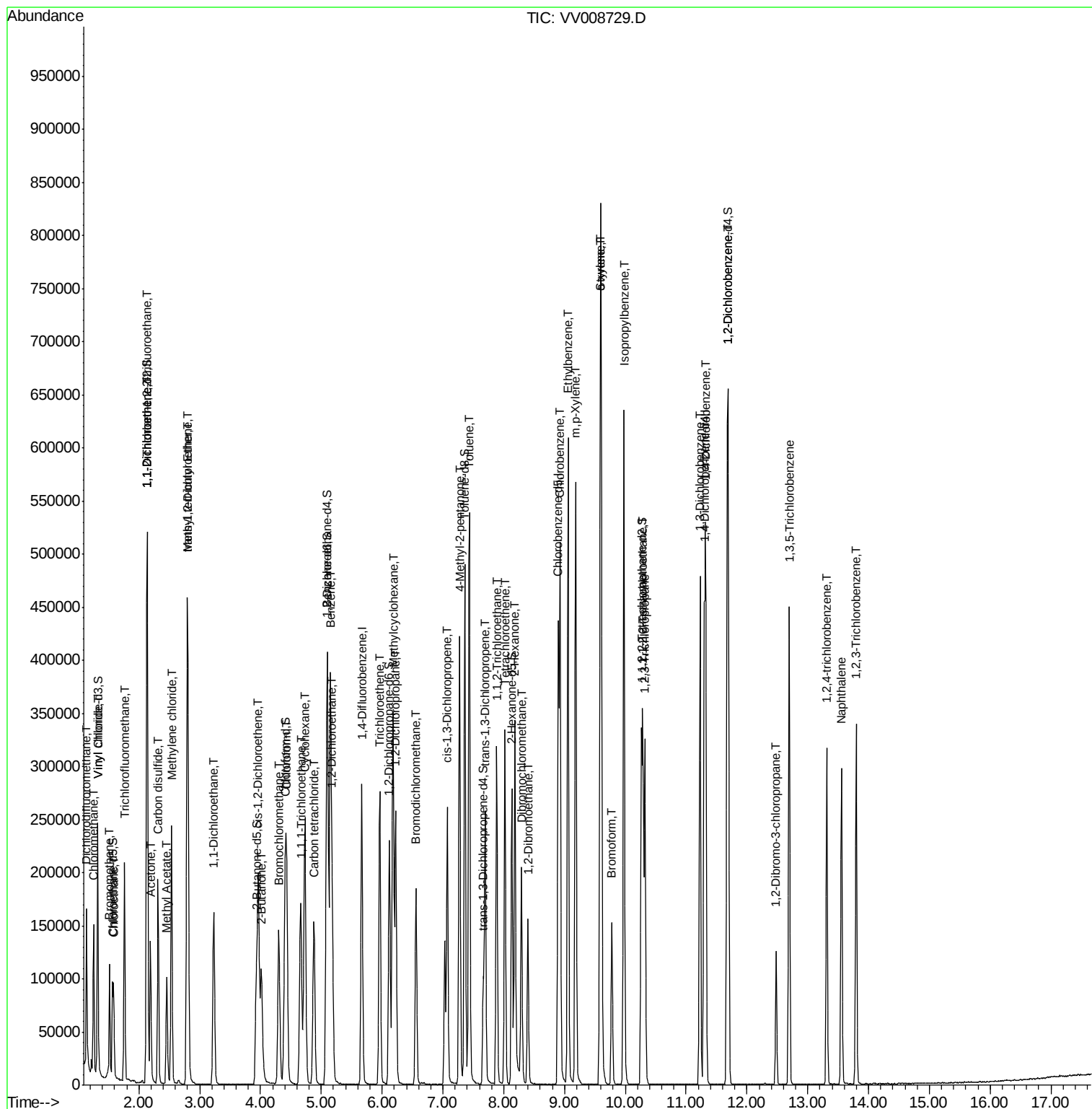
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	52211	54.806	ug/L	89
25) Chloroform	4.43	83	172014	49.794	ug/L	94
27) 1,2-Dichloroethane	5.18	62	136811	51.122	ug/L	100
29) Cyclohexane	4.73	56	141807	45.405	ug/L #	100
30) 1,1,1-Trichloroethane	4.66	97	140749	49.404	ug/L	96
31) Carbon tetrachloride	4.88	117	115755	48.858	ug/L	97
33) Benzene	5.15	78	375002	50.593	ug/L	100
34) Trichloroethene	5.96	95	95345	48.539	ug/L	86
35) Methylcyclohexane	6.18	83	150286	46.334	ug/L	98
37) 1,2-Dichloropropane	6.22	63	103105	51.500	ug/L #	93
38) Bromodichloromethane	6.56	83	123794	51.599	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	146826	51.601	ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	277796	98.805	ug/L	93
42) Toluene	7.43	91	388055	50.344	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	141212	54.556	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	98069	53.677	ug/L	95
46) Tetrachloroethene	8.02	164	72483	51.088	ug/L	98
48) 2-Hexanone	8.18	43	211296	95.863	ug/L	96
49) Dibromochloromethane	8.29	129	101651	56.007	ug/L	93
50) 1,2-Dibromoethane	8.40	107	103750	54.526	ug/L #	98
51) Chlorobenzene	8.93	112	260012	53.019	ug/L	92
52) Ethylbenzene	9.06	91	427447	50.542	ug/L	99
53) m,p-Xylene	9.18	106	163083	52.476	ug/L	88
54) o-xylene	9.59	106	161718	52.332	ug/L	95
55) Styrene	9.60	104	276744	53.698	ug/L	98
56) Isopropylbenzene	9.98	105	414964	51.068	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	161191	52.154	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	131121	51.707	ug/L	98
61) Bromoform	9.78	173	68669	56.273	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	193716	52.022	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	193382	50.956	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	202373	52.653	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	31575	50.734	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	134242	51.780	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	94170	47.867	ug/L	98
69) Naphthalene	13.56	128	234047	41.782	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	98662	48.771	ug/L	97

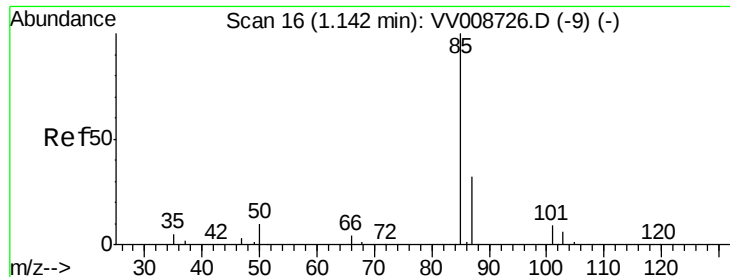
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.821 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

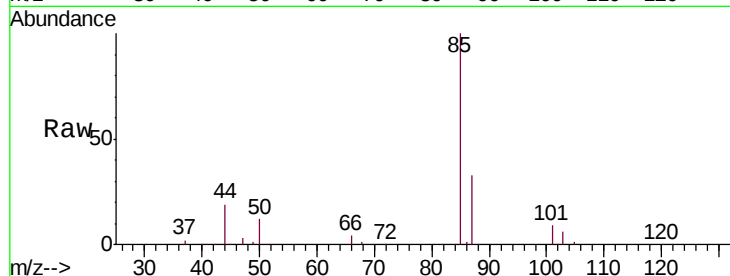
VSTD05061

Tgt Ion: 85 Resp: 89177

Ion Ratio Lower Upper

85 100

87 32.6 24.8 37.2



Abundance Ion 85.00 (84.70 to 85.70): VV008729.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV008729.D (-1) (-)

1.14

80000

60000

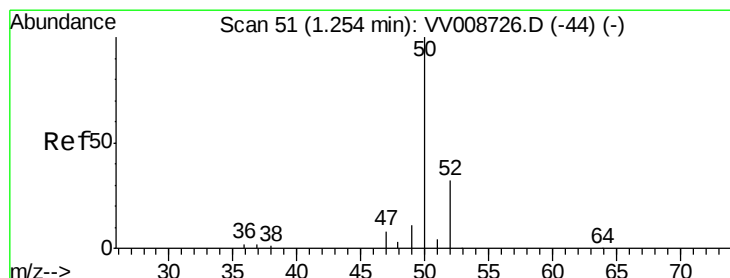
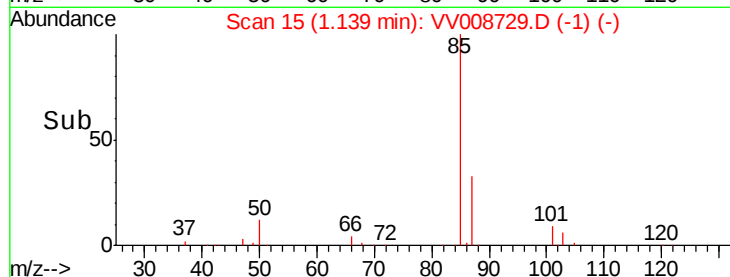
40000

20000

0

Time-->

1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 48.335 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008729.D

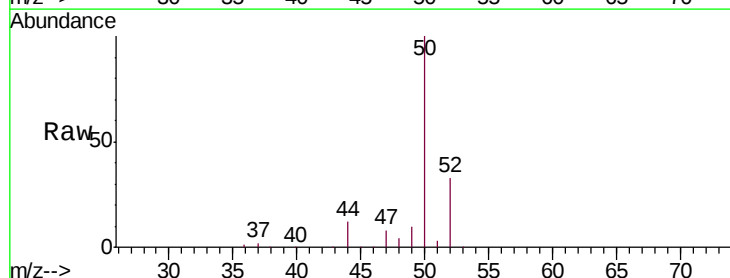
Acq: 27 Nov 2018 12:25

Tgt Ion: 50 Resp: 93148

Ion Ratio Lower Upper

50 100

52 32.8 24.1 44.7



Abundance Ion 50.00 (49.70 to 50.70): VV008729.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV008729.D (-1) (-)

1.25

100000

80000

60000

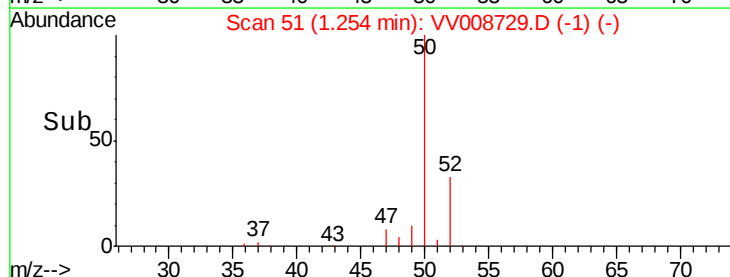
40000

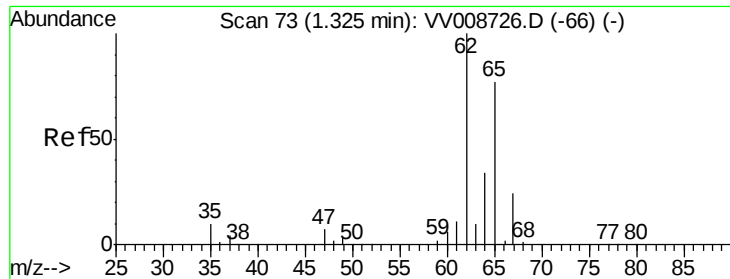
20000

0

Time-->

1.25 1.30





#5

Vinyl chloride

Concen: 44.978 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

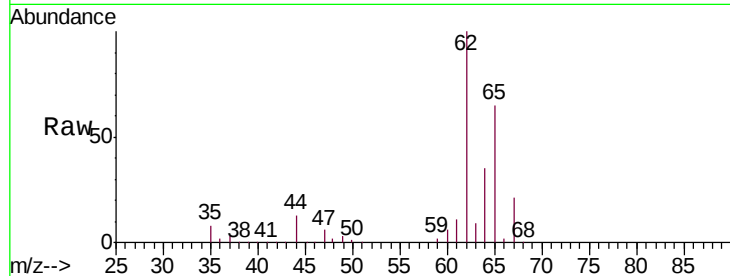
VSTD05061

Tgt Ion: 62 Resp: 84154

Ion Ratio Lower Upper

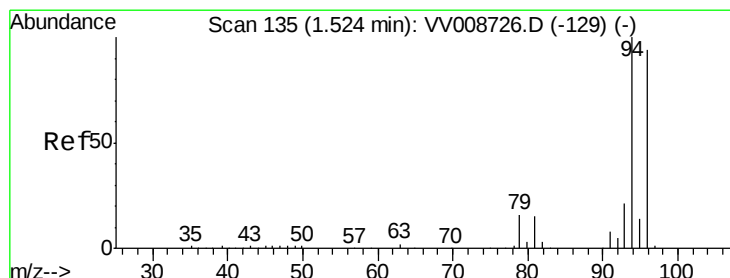
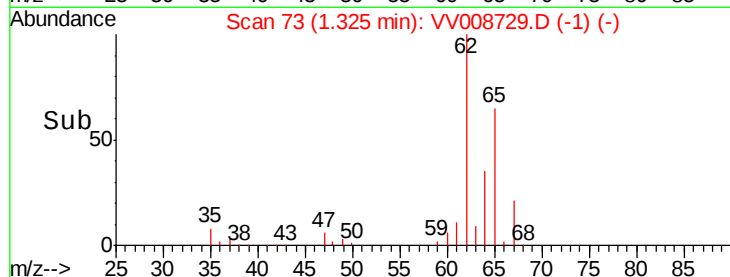
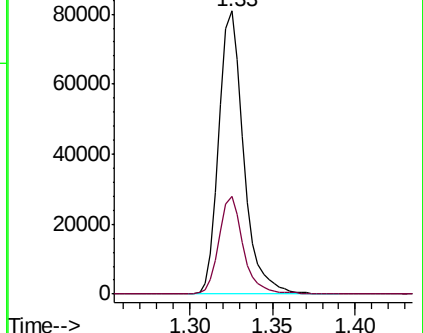
62 100

64 34.5 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV008726.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV008726.D (-66) (-)



#6

Bromomethane

Concen: 53.433 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.01 min

Lab File: VV008729.D

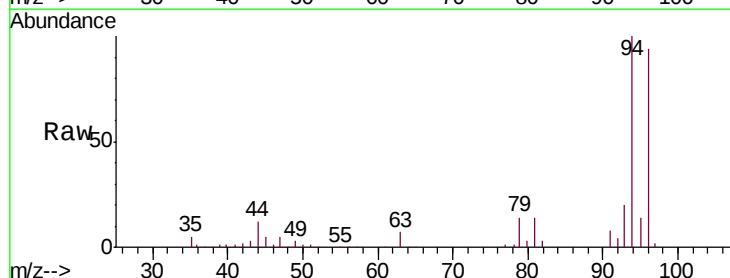
Acq: 27 Nov 2018 12:25

Tgt Ion: 94 Resp: 33729

Ion Ratio Lower Upper

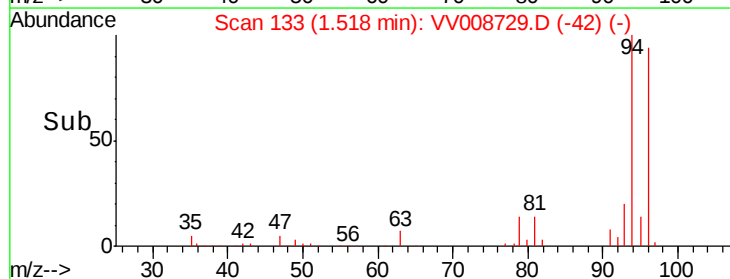
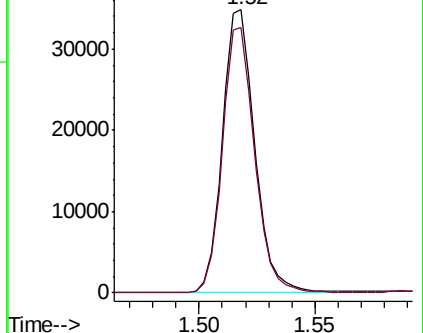
94 100

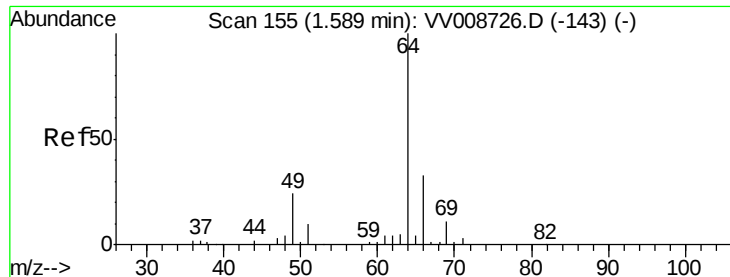
96 93.7 66.6 123.8



Abundance Ion 94.00 (93.70 to 94.70): VV008729.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV008729.D (-129) (-)





#8

Chloroethane

Concen: 52.324 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

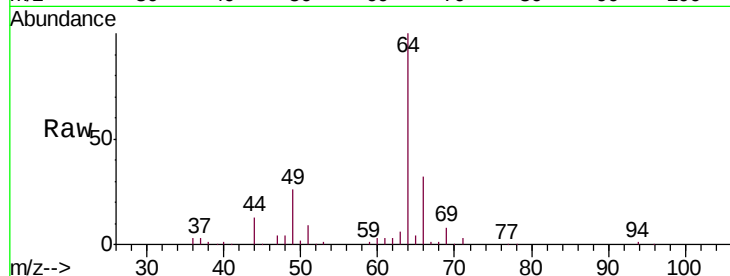
VSTD05061

Tgt Ion: 64 Resp: 49037

Ion Ratio Lower Upper

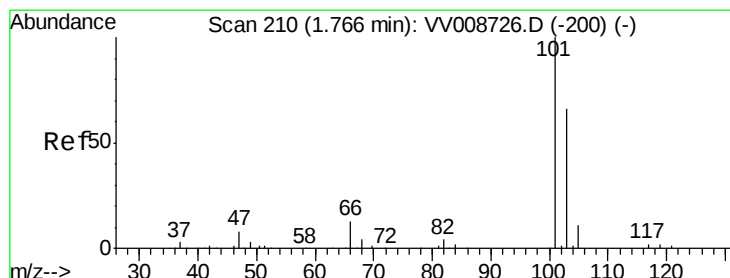
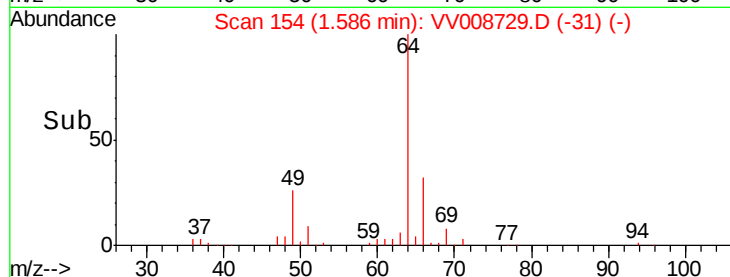
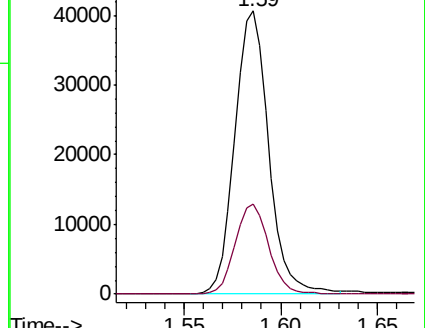
64 100

66 31.6 21.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VV008726.D (-143) (-)

Ion 66.00 (65.70 to 66.70): VV008726.D (-143) (-)



#9

Trichlorofluoromethane

Concen: 48.883 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV008729.D

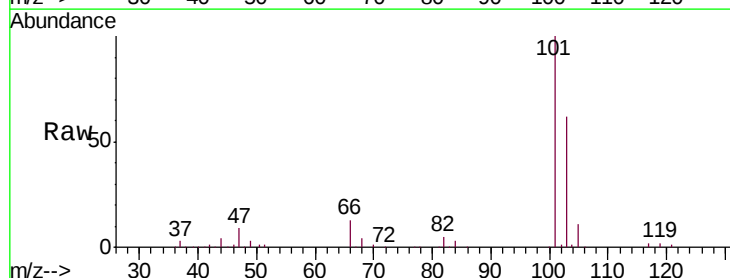
Acq: 27 Nov 2018 12:25

Tgt Ion: 101 Resp: 117684

Ion Ratio Lower Upper

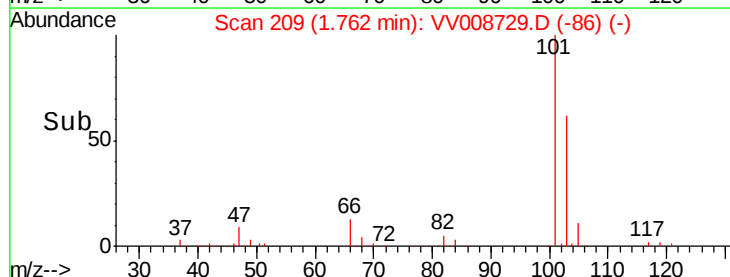
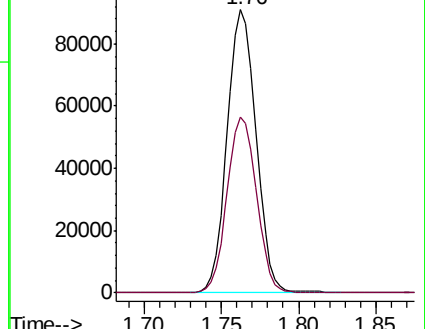
101 100

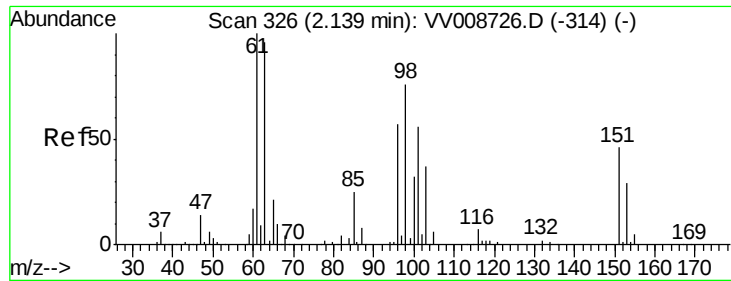
103 63.2 50.2 75.4



Abundance Ion 101.00 (100.70 to 101.70): VV008726.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV008726.D (-200) (-)





#10

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

Concen: 48.794 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampled :

VSTD05061

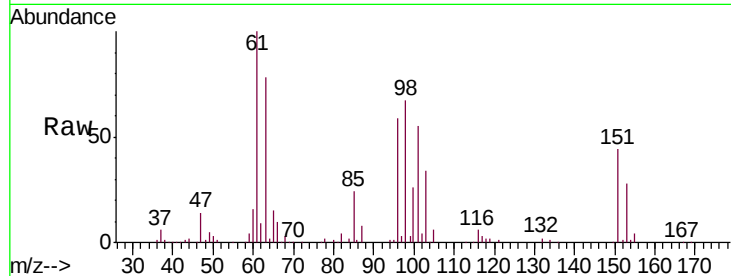
Tgt Ion:101 Resp: 67808

Ion Ratio Lower Upper

101 100

85 43.5 37.0 55.6

151 80.3 63.8 95.8

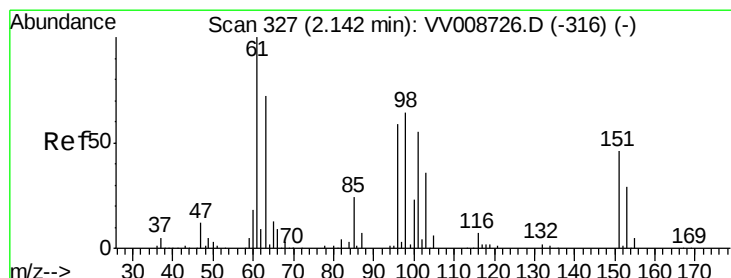
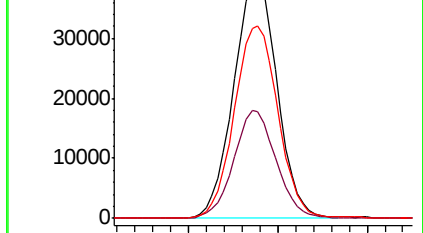
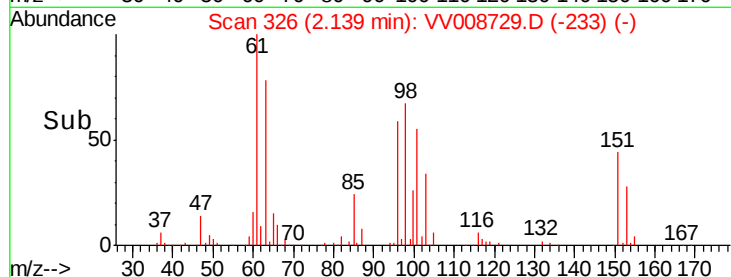


Abundance Ion 101.00 (100.70 to 101.70): VV008729.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV008729.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV008729.D (-233) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 49.129 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

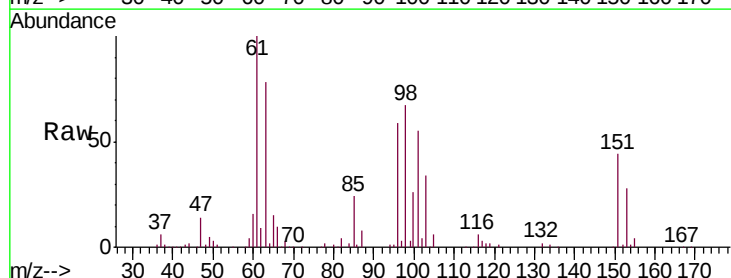
Tgt Ion: 96 Resp: 61280

Ion Ratio Lower Upper

96 100

61 169.7 120.3 223.3

63 132.2 113.3 210.5

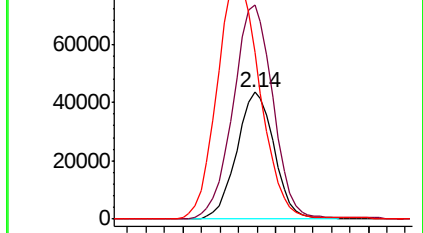
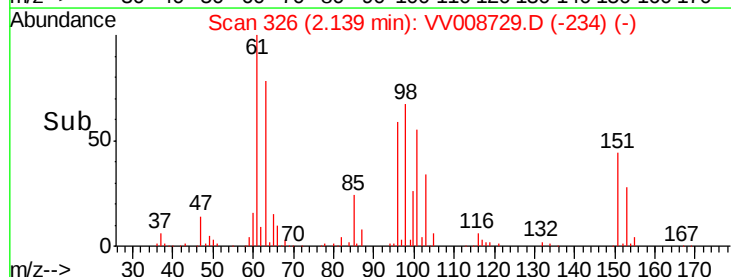


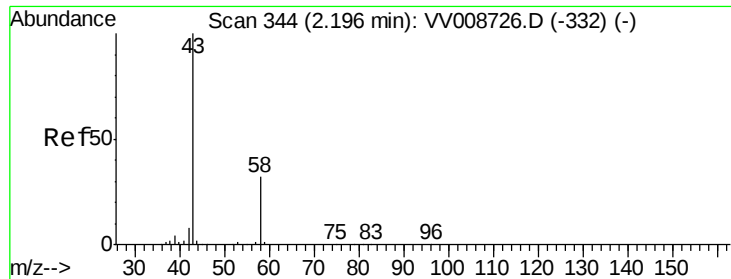
Abundance Ion 96.00 (95.70 to 96.70): VV008729.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VV008729.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV008729.D (-234) (-)

Time-->





#13

Acetone

Concen: 88.939 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

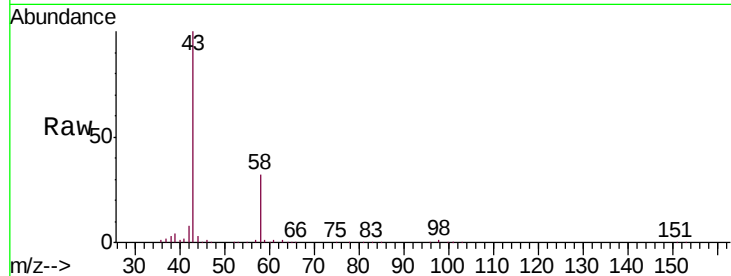
VSTD05061

Tgt Ion: 43 Resp: 124316

Ion Ratio Lower Upper

43 100

58 32.1 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VV008726.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV008726.D (-332) (-)

80000

60000

40000

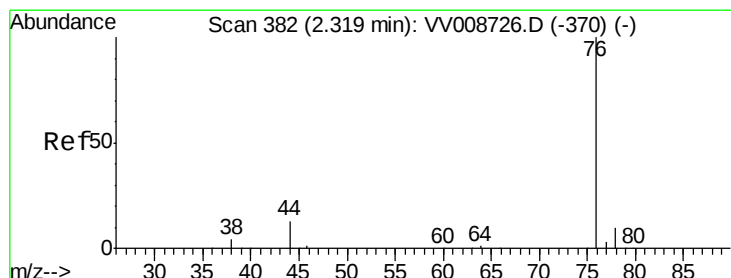
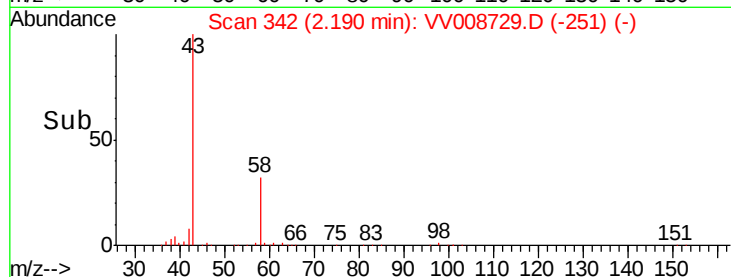
20000

0

2.19

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 44.161 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV008729.D

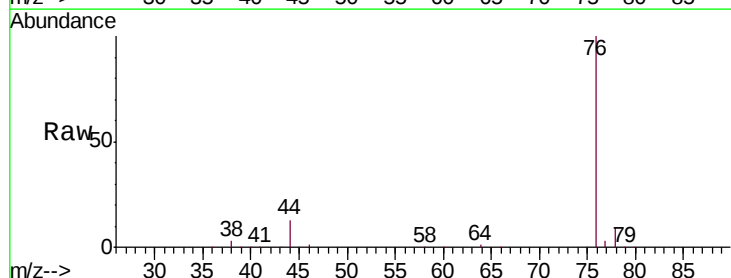
Acq: 27 Nov 2018 12:25

Tgt Ion: 76 Resp: 214499

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV008726.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV008726.D (-370) (-)

150000

100000

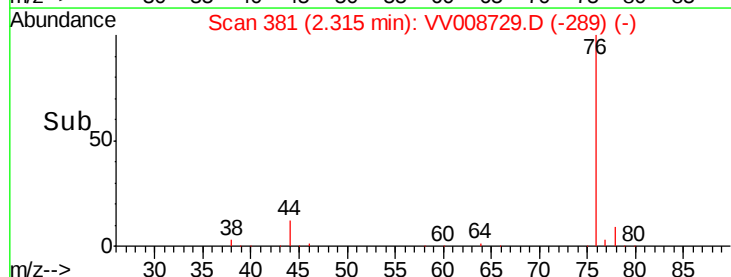
50000

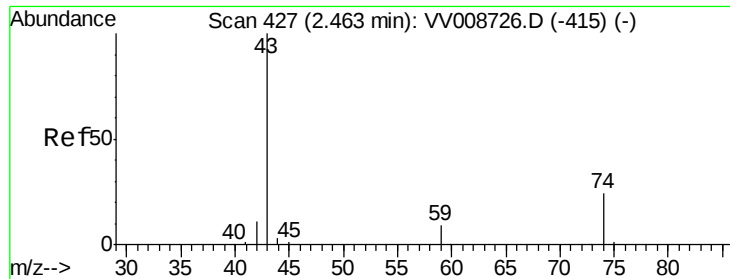
0

2.32

2.25 2.30 2.35 2.40

Time-->





#15

Methyl Acetate

Concen: 50.680 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.01 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

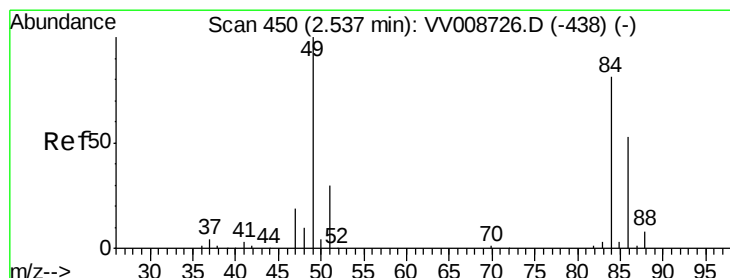
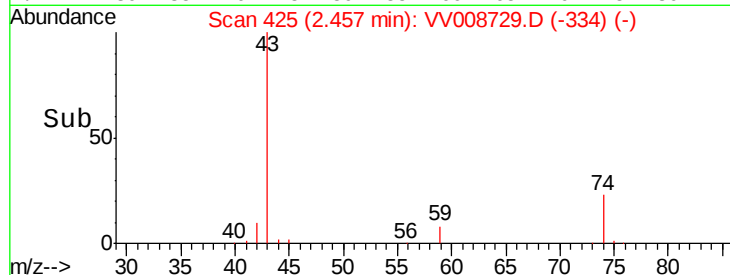
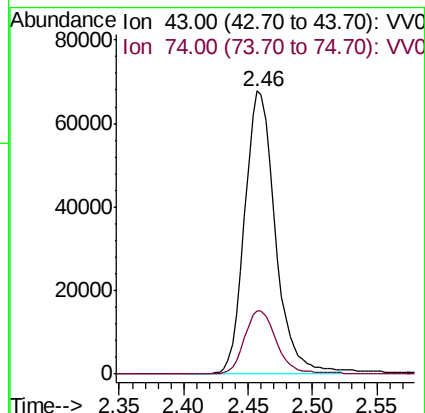
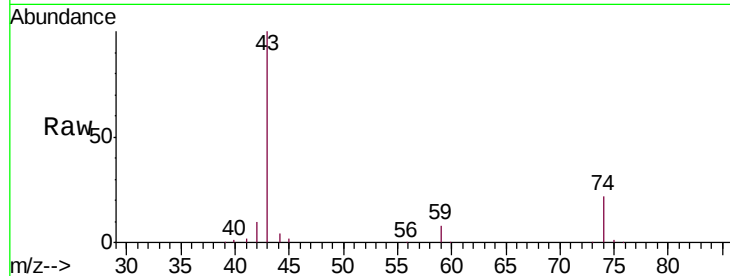
VSTD05061

Tgt Ion: 43 Resp: 111699

Ion Ratio Lower Upper

43 100

74 24.1 19.0 28.6



#16

Methylene chloride

Concen: 51.421 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

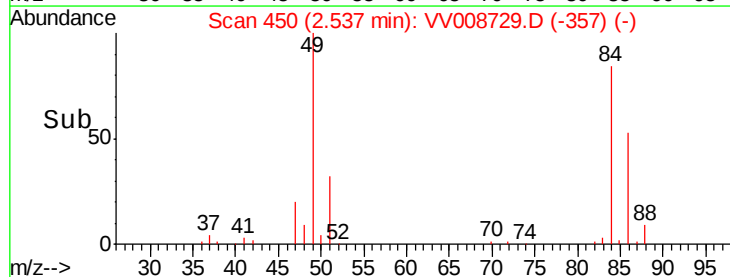
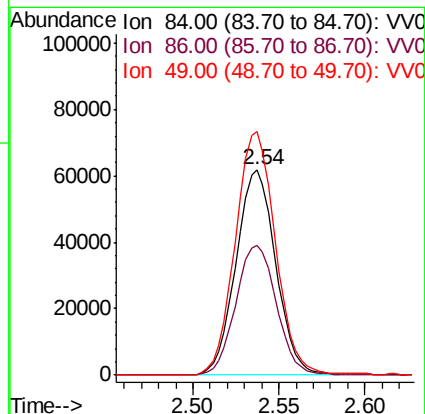
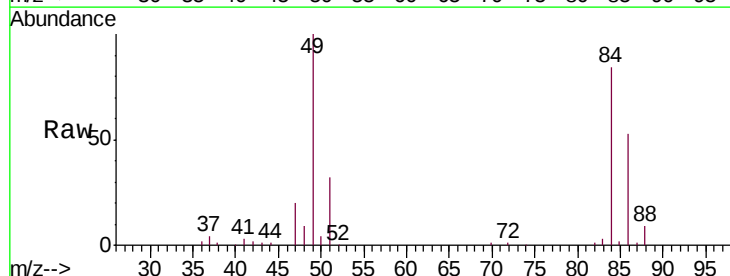
Tgt Ion: 84 Resp: 99343

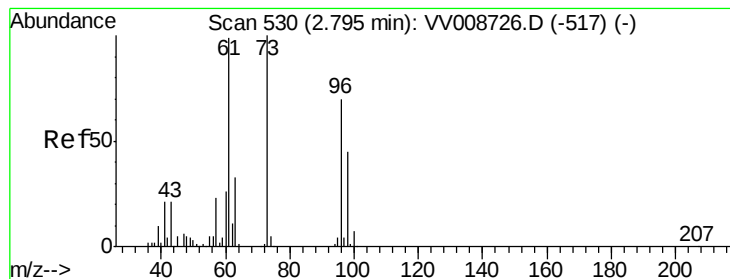
Ion Ratio Lower Upper

84 100

86 63.3 50.6 94.0

49 118.5 86.5 160.7





#17

trans-1,2-Dichloroethene

Concen: 49.894 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampled :

VSTD05061

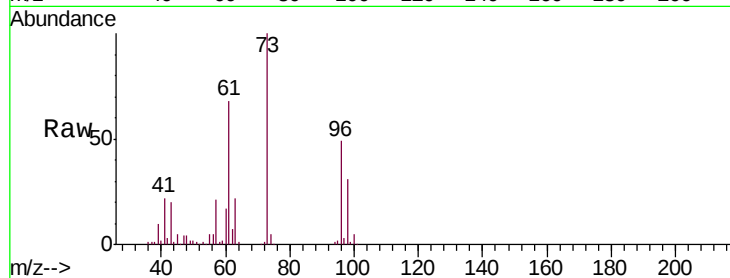
Tgt Ion: 96 Resp: 86319

Ion Ratio Lower Upper

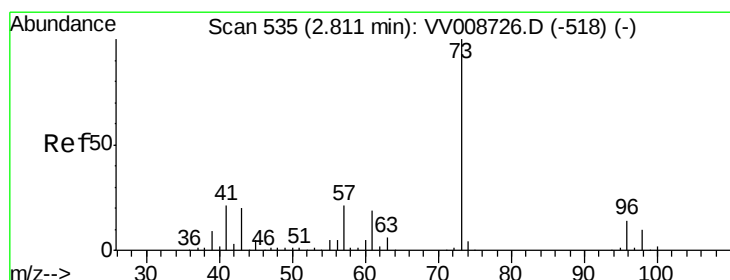
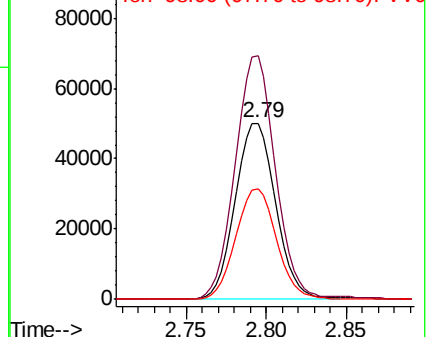
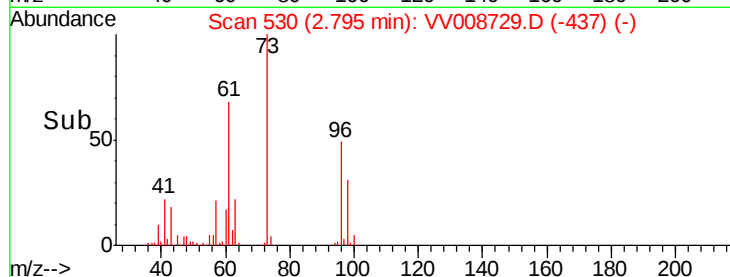
96 100

61 138.3 100.4 186.4

98 63.1 39.5 73.3



Abundance Ion 96.00 (95.70 to 96.70): VV008729.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 52.869 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.01 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

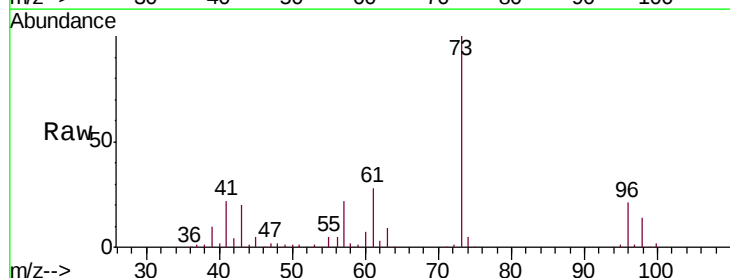
Tgt Ion: 73 Resp: 303769

Ion Ratio Lower Upper

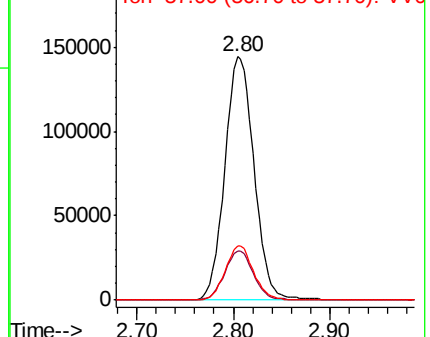
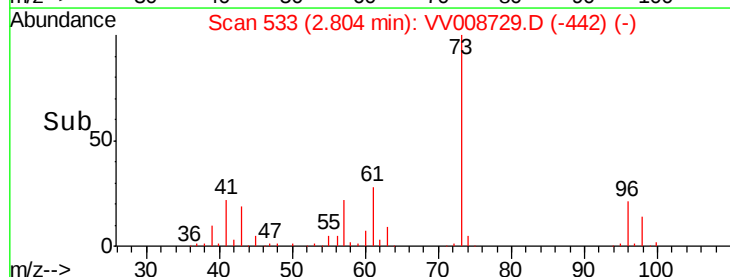
73 100

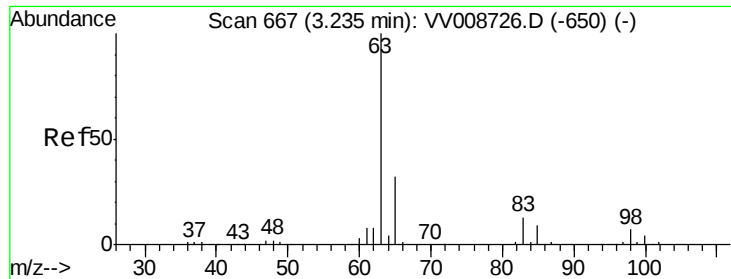
43 19.7 16.5 24.7

57 21.4 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VV008729.D (-442) (-)

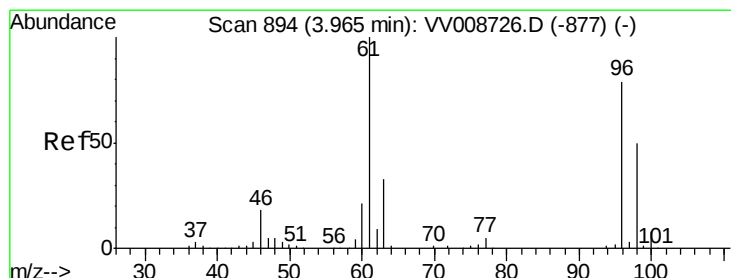
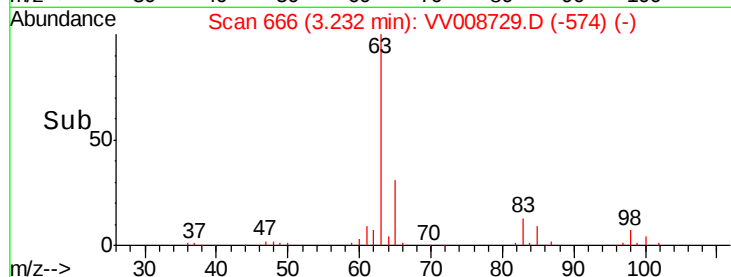
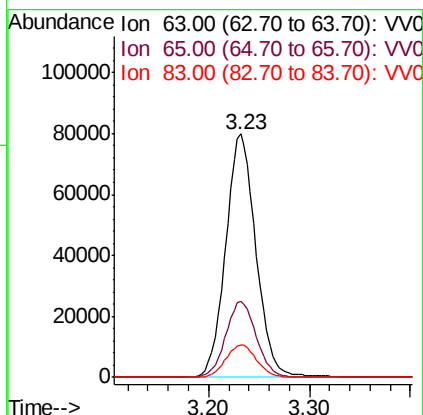
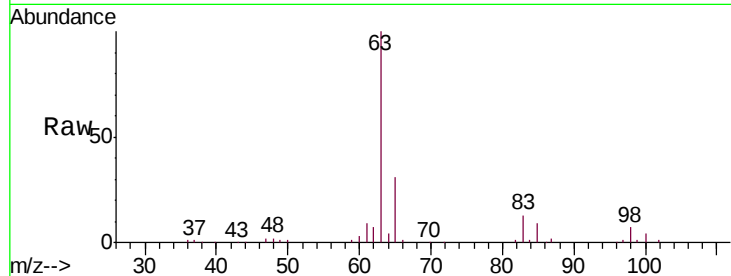




#19
 1,1-Dichloroethane
 Concen: 50.164 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008729.D
 Acq: 27 Nov 2018 12:25

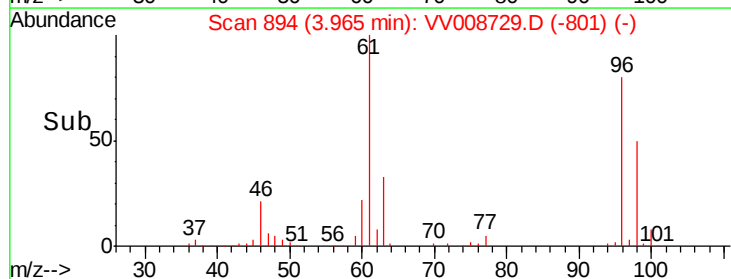
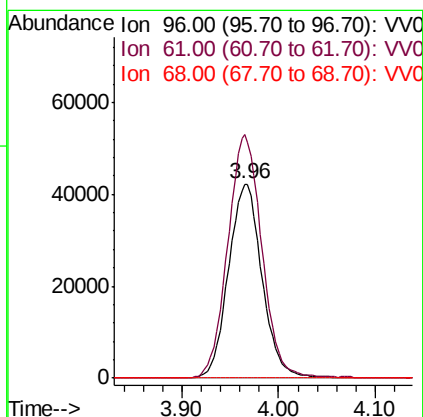
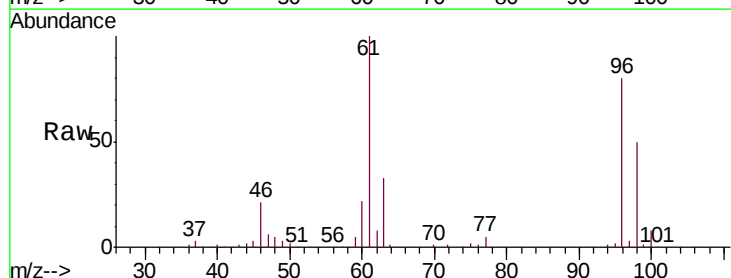
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05061

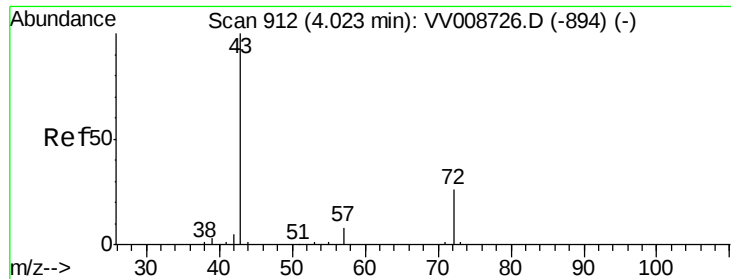
Tgt Ion: 63 Resp: 166489
 Ion Ratio Lower Upper
 63 100
 65 31.4 20.9 38.9
 83 13.4 9.9 18.5



#20
 cis-1,2-Dichloroethene
 Concen: 51.401 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008729.D
 Acq: 27 Nov 2018 12:25

Tgt Ion: 96 Resp: 101679
 Ion Ratio Lower Upper
 96 100
 61 125.4 78.8 146.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 94.032 ug/L

RT: 4.01 min Scan# 909

Delta R.T. -0.01 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

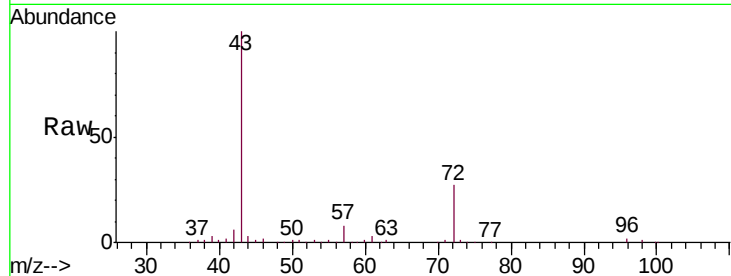
VSTD05061

Tgt Ion: 43 Resp: 166431

Ion Ratio Lower Upper

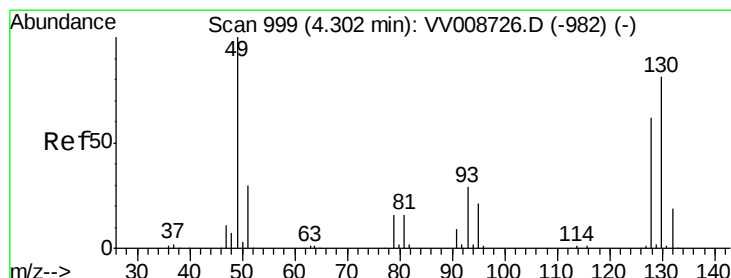
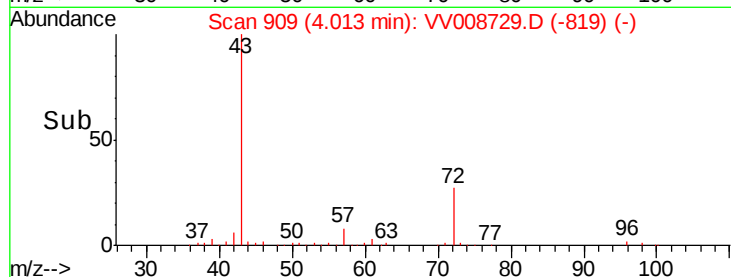
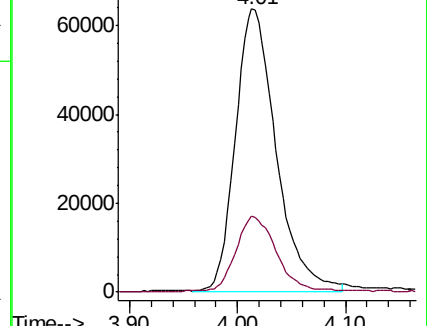
43 100

72 25.6 11.6 34.8



Abundance Ion 43.00 (42.70 to 43.70): VV008729.D (-909) (-)

Ion 72.00 (71.70 to 72.70): VV008729.D (-909) (-)



#23

Bromochloromethane

Concen: 54.806 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Tgt Ion: 128 Resp: 52211

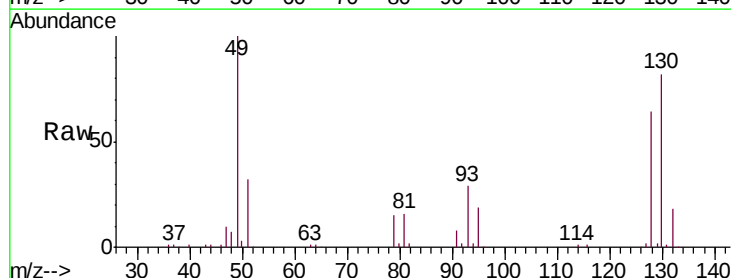
Ion Ratio Lower Upper

128 100

49 155.1 97.0 180.2

130 127.7 81.0 150.4

51 49.3 36.8 55.2

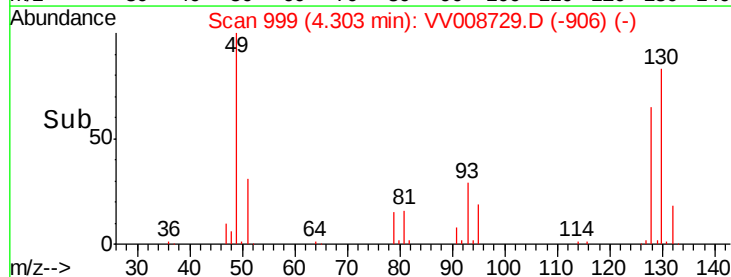
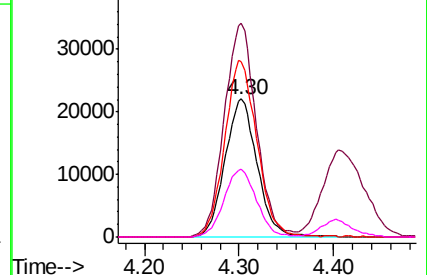


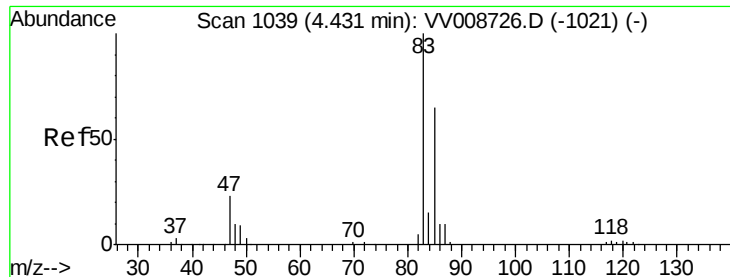
Abundance Ion 128.00 (127.70 to 128.70): VV008729.D (-999) (-)

Ion 49.00 (48.70 to 49.70): VV008729.D (-999) (-)

Ion 130.00 (129.70 to 130.70): VV008729.D (-999) (-)

Ion 51.00 (50.70 to 51.70): VV008729.D (-999) (-)

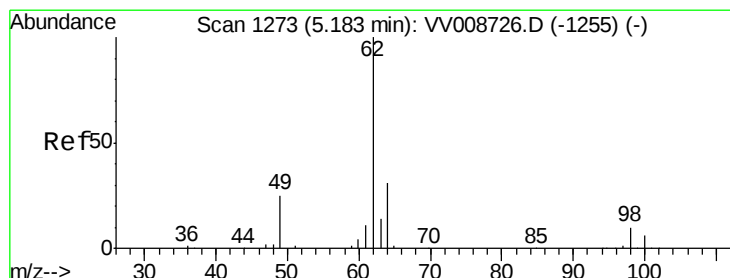
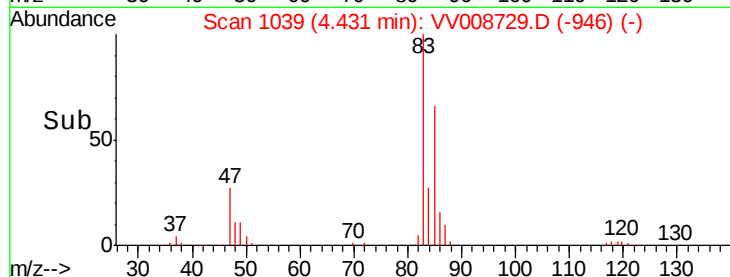
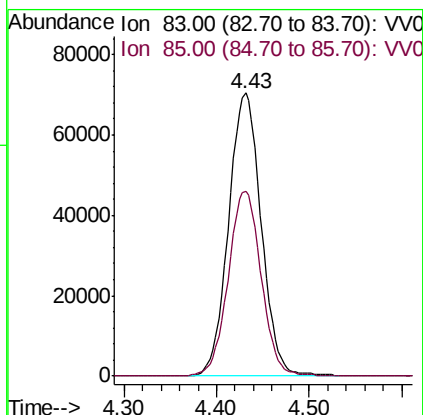
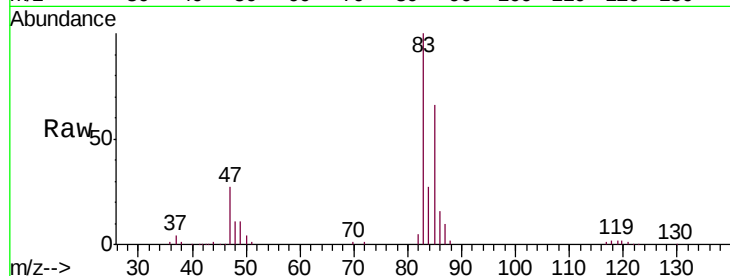




#25
Chloroform
Concen: 49.794 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008729.D
Acq: 27 Nov 2018 12:25

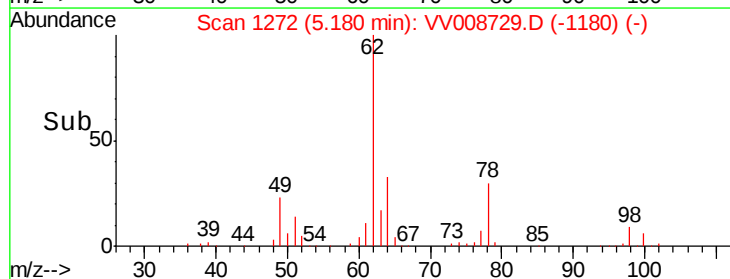
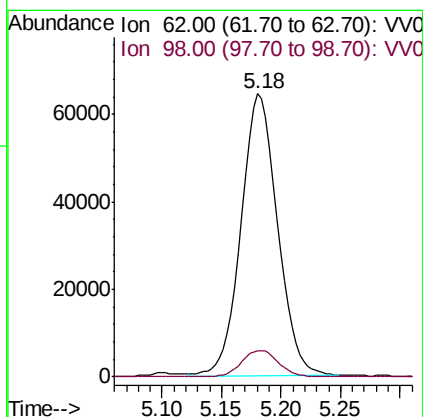
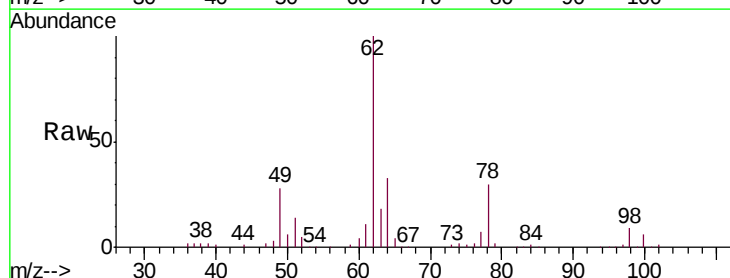
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

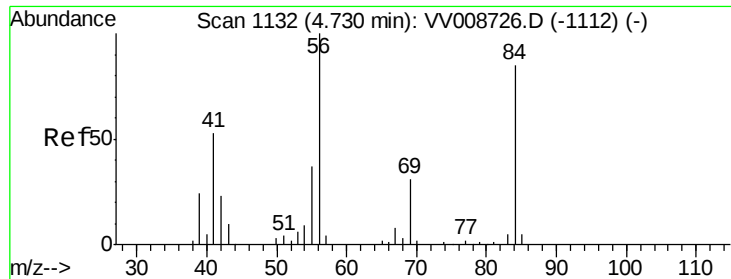
Tgt Ion: 83 Resp: 172014
Ion Ratio Lower Upper
83 100
85 65.5 42.8 79.4



#27
1,2-Dichloroethane
Concen: 51.122 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV008729.D
Acq: 27 Nov 2018 12:25

Tgt Ion: 62 Resp: 136811
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

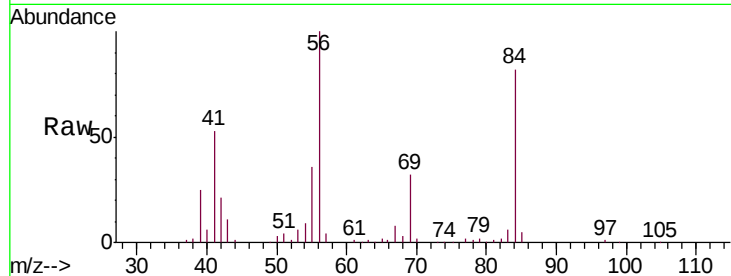




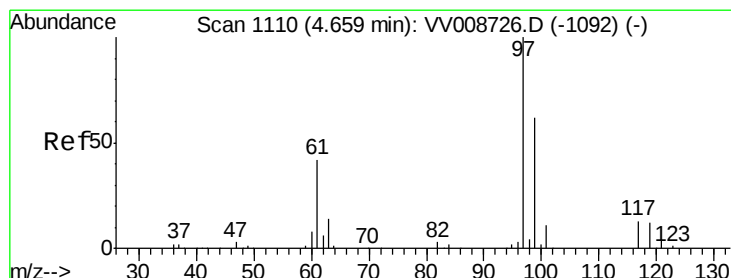
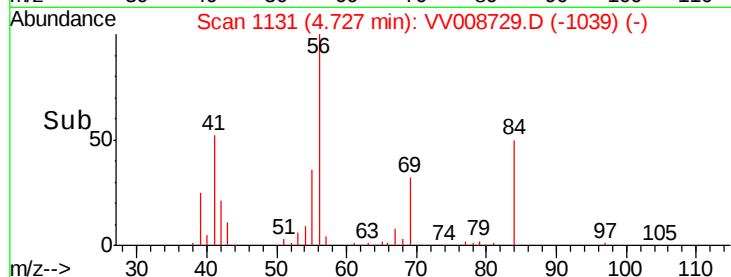
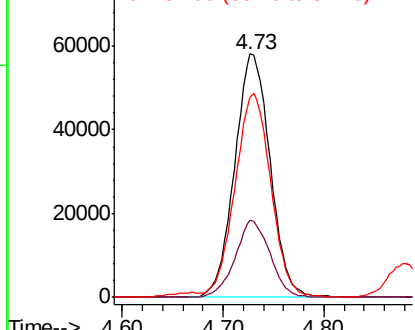
#29
Cyclohexane
Concen: 45.405 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VV008729.D
Acq: 27 Nov 2018 12:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

Tgt Ion: 56 Resp: 141807
Ion Ratio Lower Upper
56 100
69 31.2 0.0 0.0#
84 84.1 0.0 0.0#

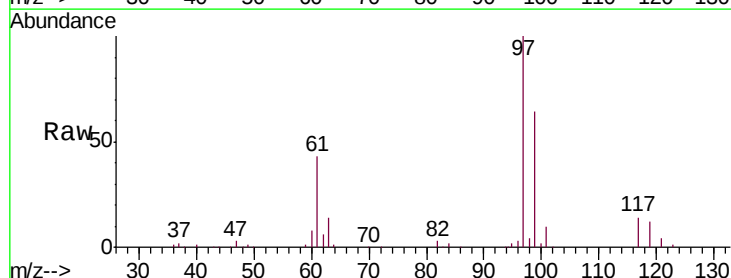


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

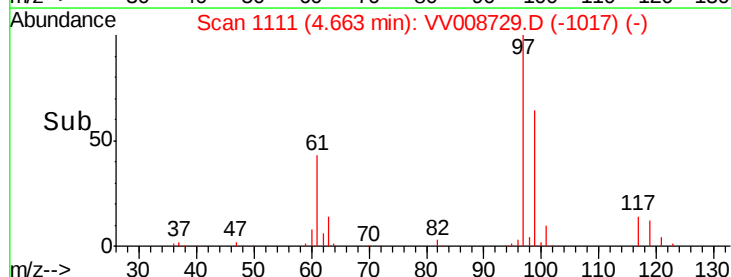
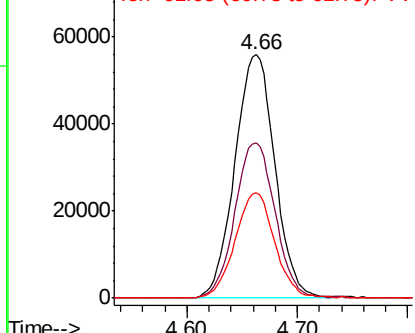


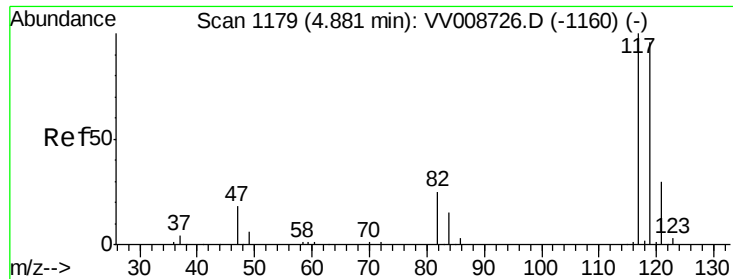
#30
1,1,1-Trichloroethane
Concen: 49.404 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008729.D
Acq: 27 Nov 2018 12:25

Tgt Ion: 97 Resp: 140749
Ion Ratio Lower Upper
97 100
99 63.8 53.0 79.6
61 42.8 37.4 56.2



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





#31

Carbon tetrachloride

Concen: 48.858 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

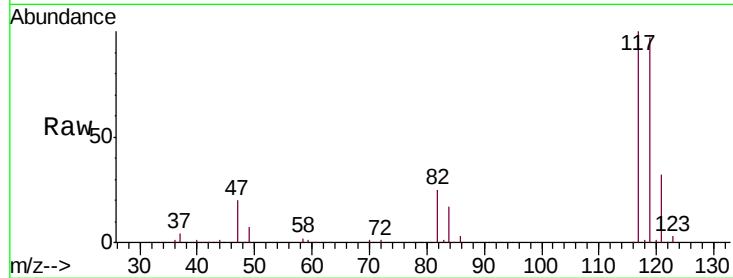
VSTD05061

Tgt Ion:117 Resp: 115755

Ion Ratio Lower Upper

117 100

119 97.1 75.6 113.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.88

50000

40000

30000

20000

10000

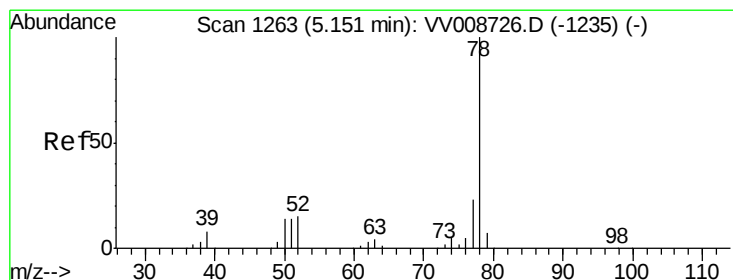
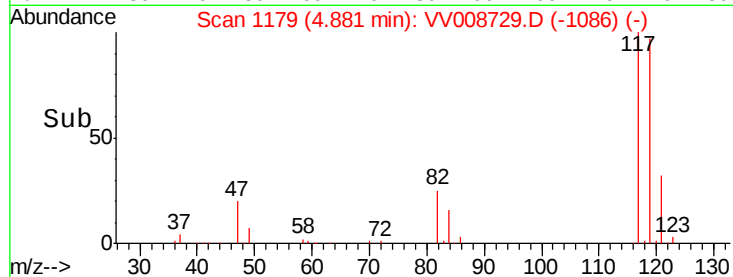
0

4.80

4.90

5.00

Time-->



#33

Benzene

Concen: 50.593 ug/L

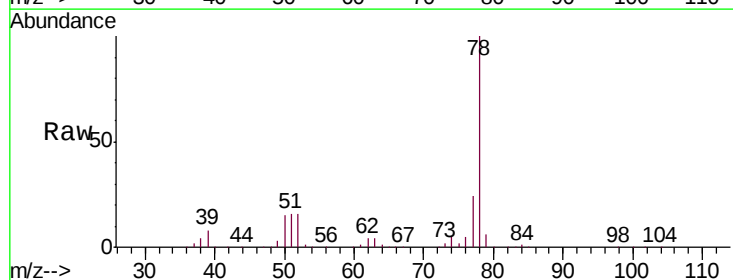
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Tgt Ion: 78 Resp: 375002



Abundance Ion 78.00 (77.70 to 78.70): VV0

200000

150000

100000

50000

0

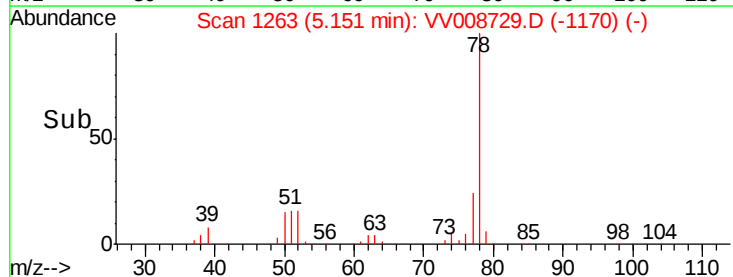
5.00

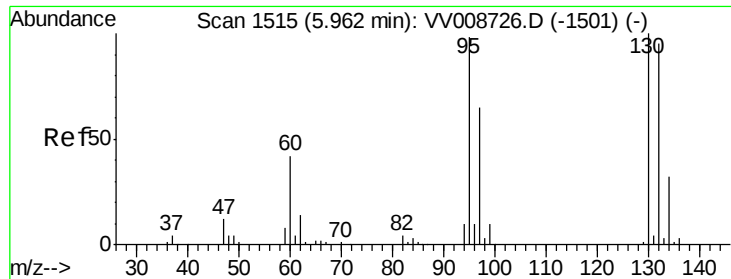
5.10

5.20

5.30

Time-->

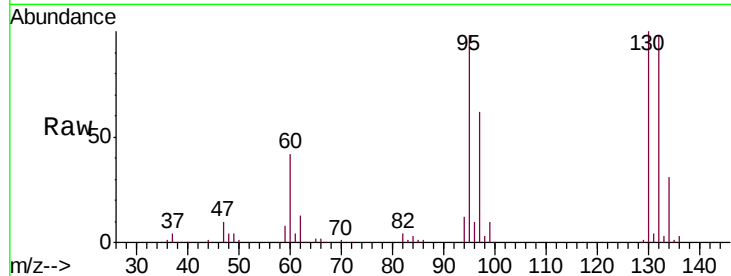




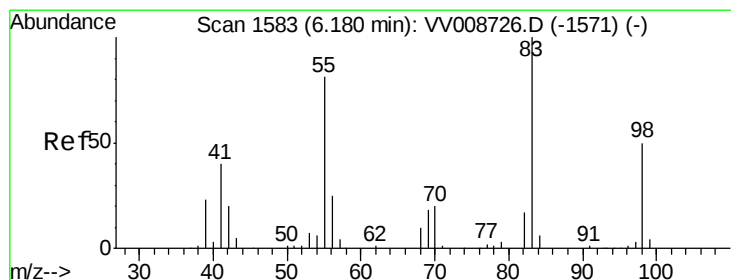
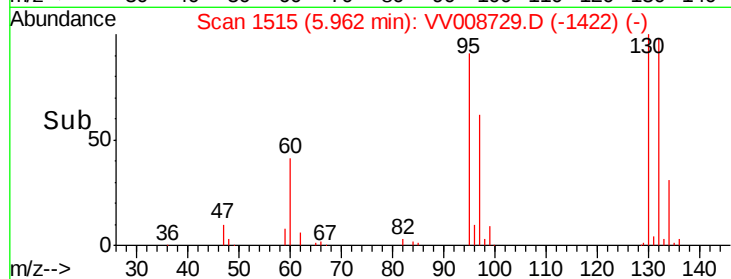
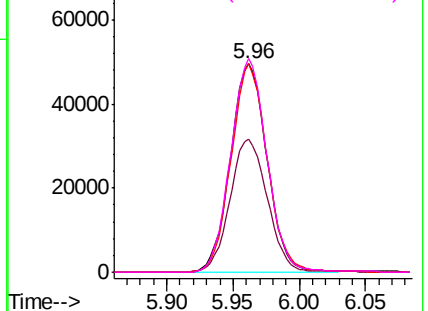
#34
 Trichloroethene
 Concen: 48.539 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV008729.D
 Acq: 27 Nov 2018 12:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Tgt Ion: 95 Resp: 95345
 Ion Ratio Lower Upper
 95 100
 97 63.8 43.8 81.3
 132 99.9 58.3 108.3
 130 102.4 60.3 112.1

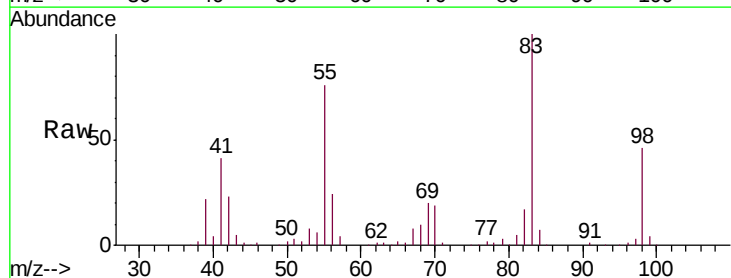


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

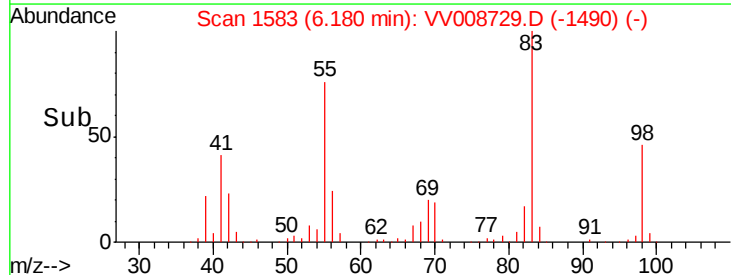
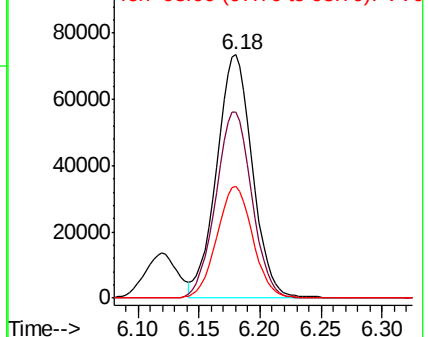


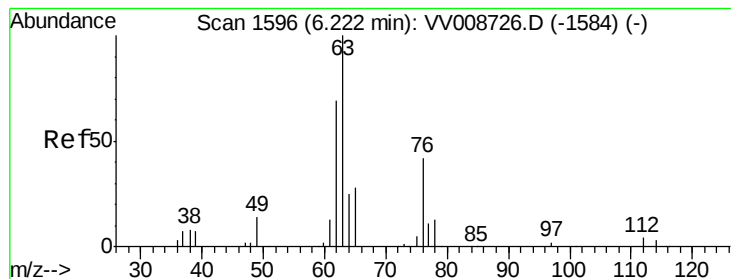
#35
 Methylcyclohexane
 Concen: 46.334 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV008729.D
 Acq: 27 Nov 2018 12:25

Tgt Ion: 83 Resp: 150286
 Ion Ratio Lower Upper
 83 100
 55 77.1 63.0 94.6
 98 46.2 35.4 53.0



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: 51.500 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

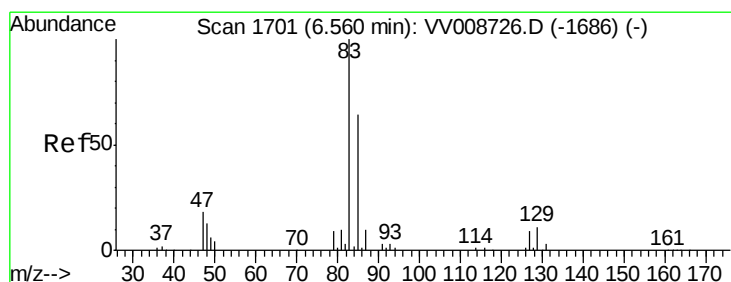
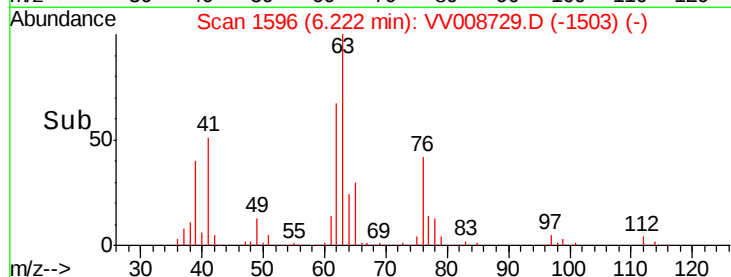
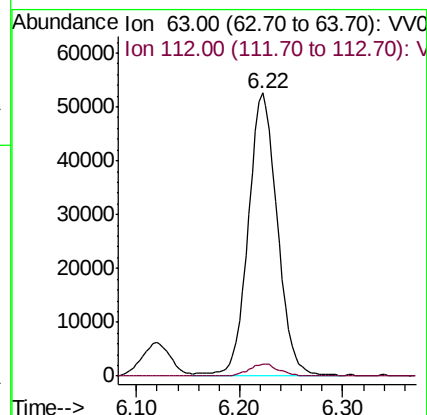
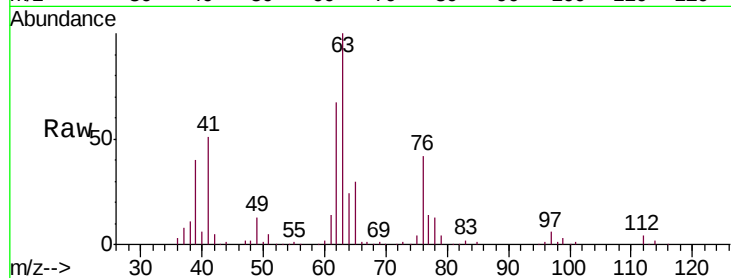
VSTD05061

Tgt Ion: 63 Resp: 103105

Ion Ratio Lower Upper

63 100

112 4.3 1.6 2.4#



#38

Bromodichloromethane

Concen: 51.599 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

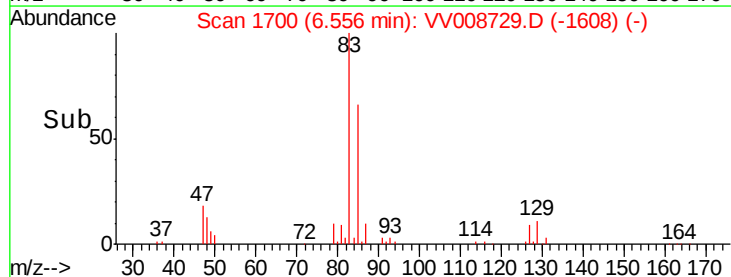
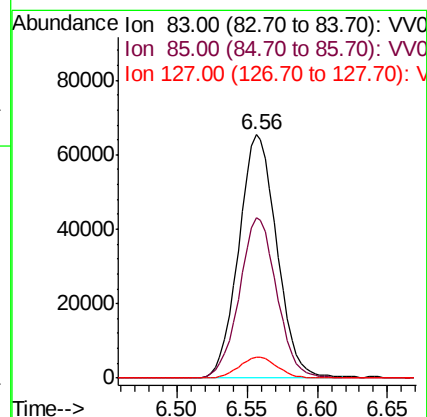
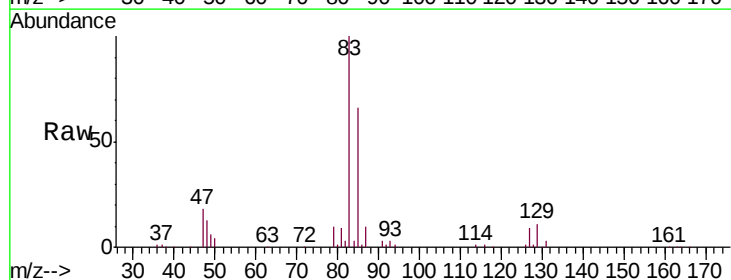
Tgt Ion: 83 Resp: 123794

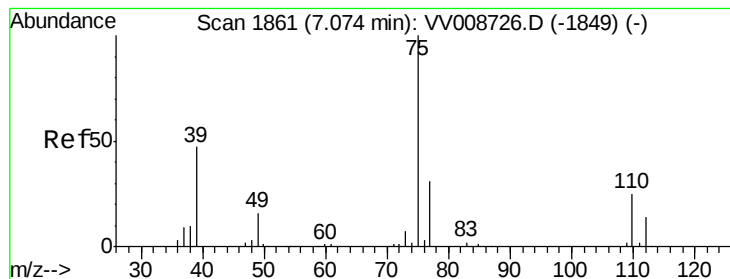
Ion Ratio Lower Upper

83 100

85 65.8 44.3 82.3

127 8.6 6.8 10.2



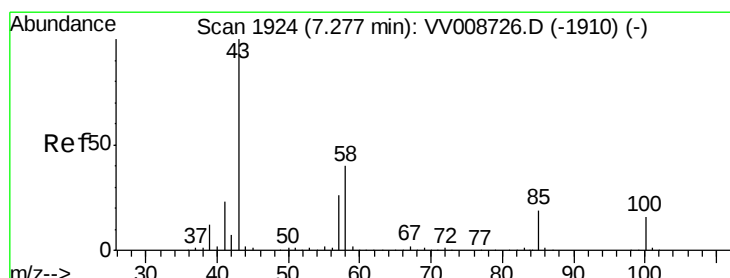
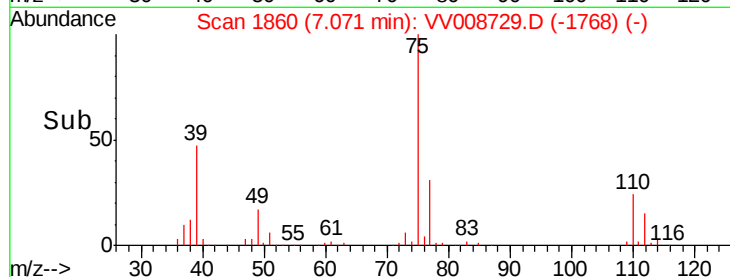
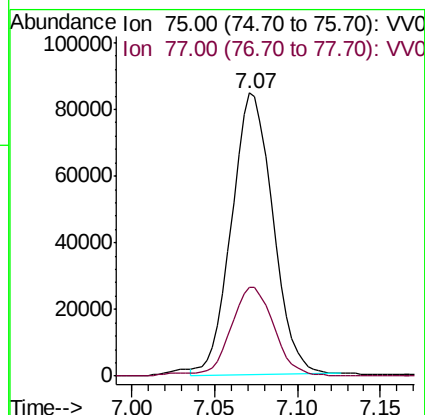
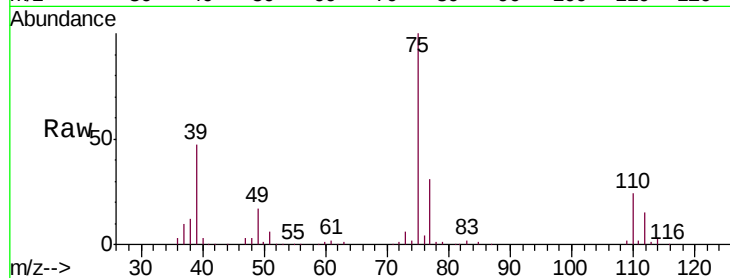


#39

cis-1,3-Dichloropropene
Concen: 51.601 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV008729.D
Acq: 27 Nov 2018 12:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

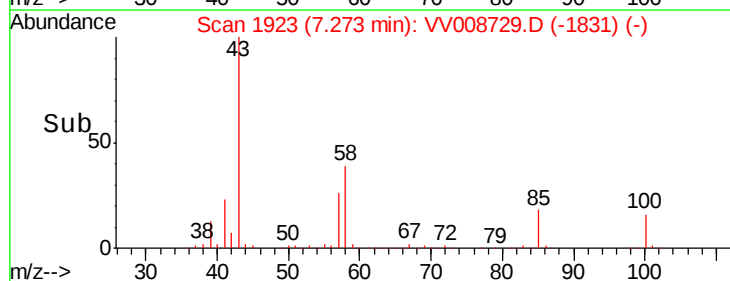
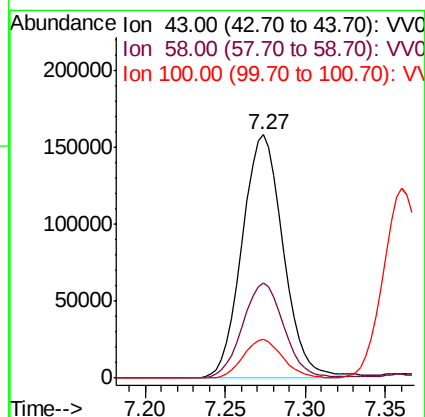
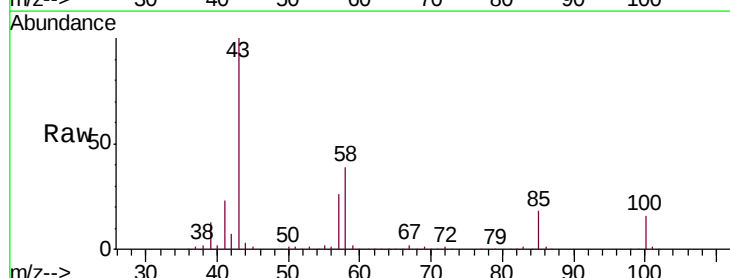
Tgt Ion: 75 Resp: 146826
Ion Ratio Lower Upper
75 100
77 31.5 20.2 37.4

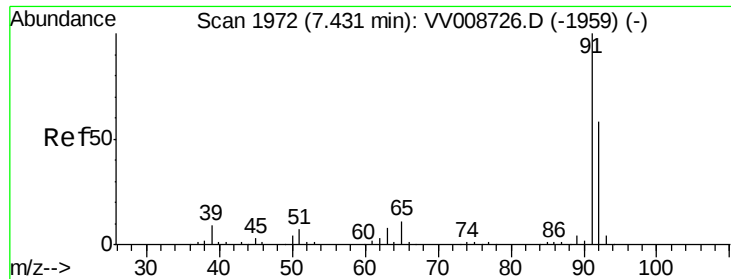


#40

4-Methyl-2-pentanone
Concen: 98.805 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VV008729.D
Acq: 27 Nov 2018 12:25

Tgt Ion: 43 Resp: 277796
Ion Ratio Lower Upper
43 100
58 39.8 28.3 42.5
100 15.3 10.4 15.6





#42

Toluene

Concen: 50.344 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

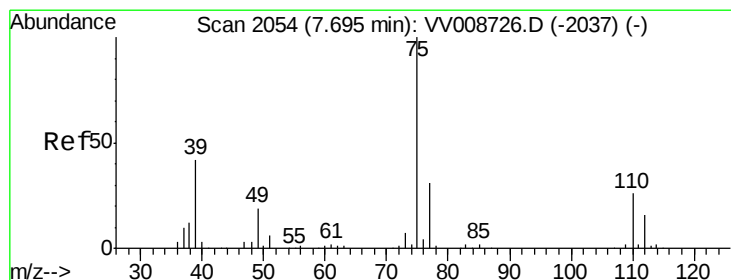
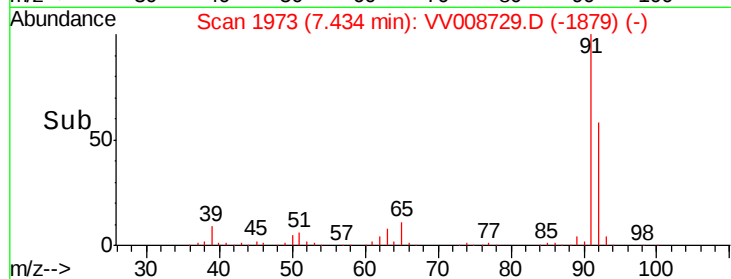
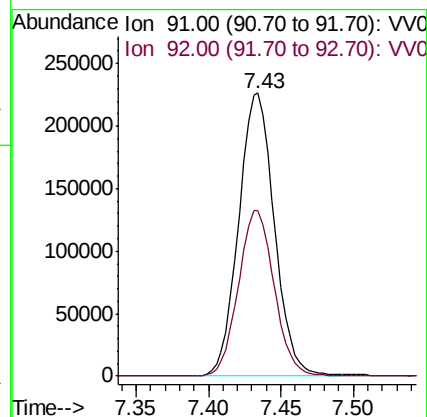
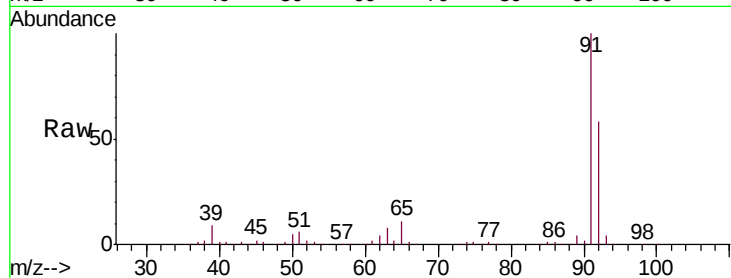
VSTD05061

Tgt Ion: 91 Resp: 388055

Ion Ratio Lower Upper

91 100

92 58.5 41.6 77.2



#44

trans-1,3-Dichloropropene

Concen: 54.556 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008729.D

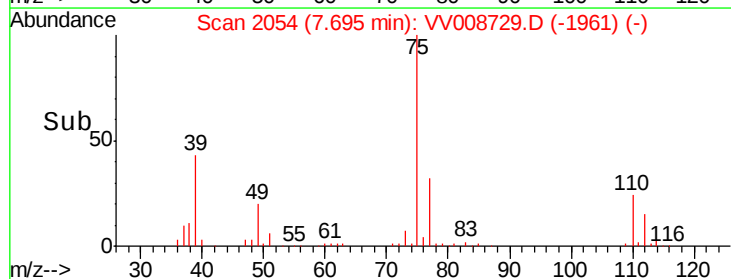
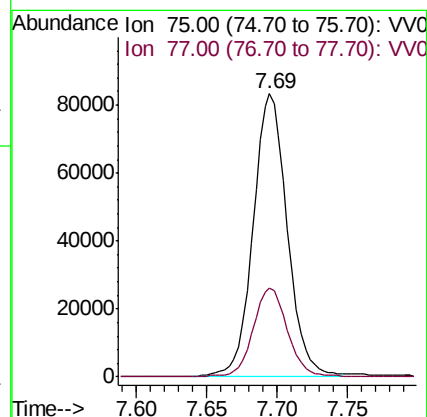
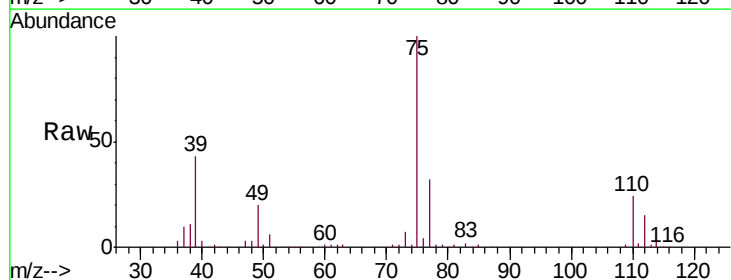
Acq: 27 Nov 2018 12:25

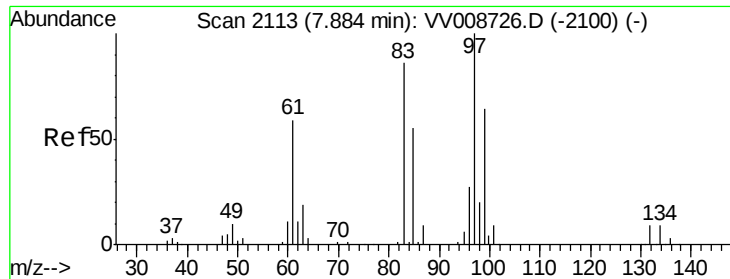
Tgt Ion: 75 Resp: 141212

Ion Ratio Lower Upper

75 100

77 31.6 24.6 45.8

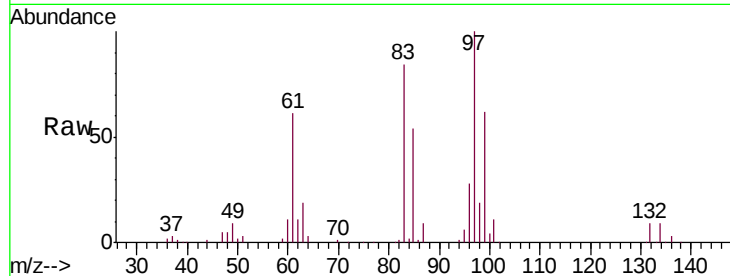




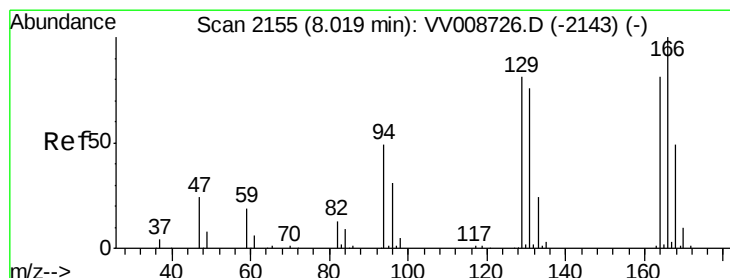
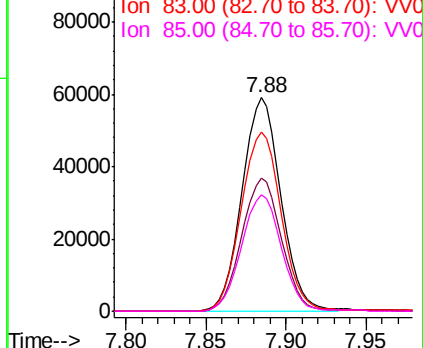
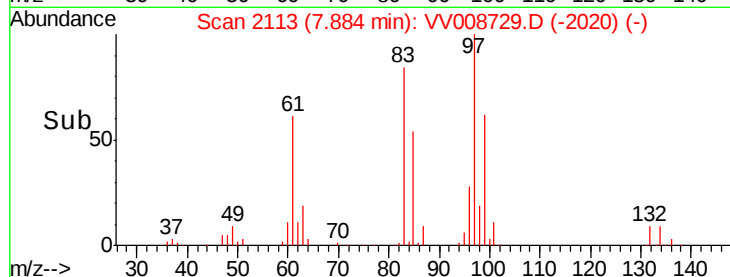
#45
 1,1,2-Trichloroethane
 Concen: 53.677 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV008729.D
 Acq: 27 Nov 2018 12:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Tgt Ion:	97	Resp:	98069
Ion	Ratio	Lower	Upper
97	100		
99	62.3	40.0	74.2
83	83.8	56.6	105.0
85	54.3	35.1	65.3

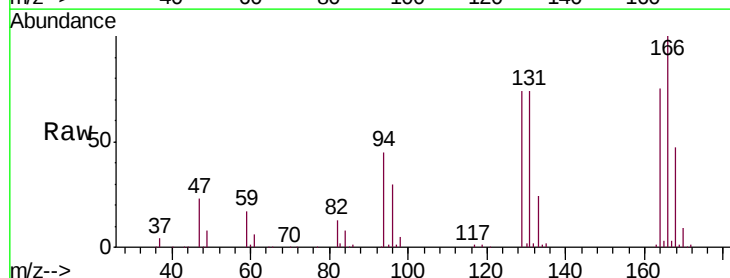


Abundance Ion 97.00 (96.70 to 97.70): VV008729.D (-2020) (-)

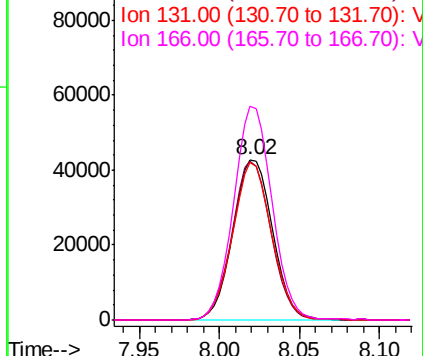
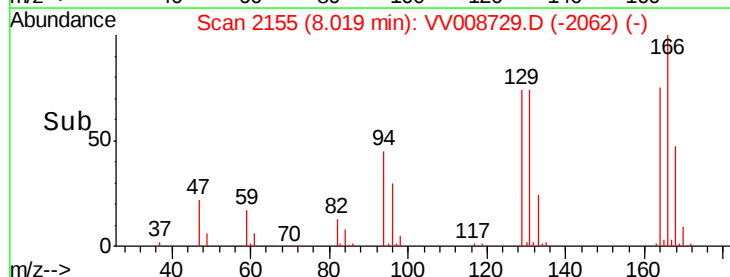


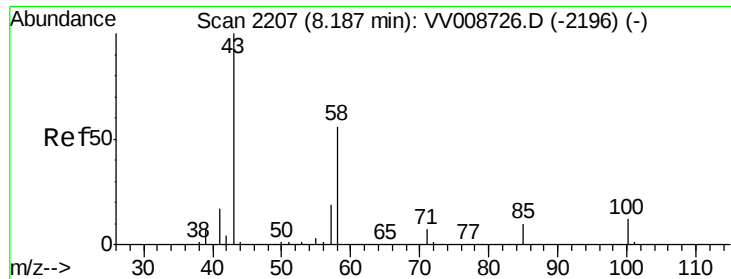
#46
 Tetrachloroethene
 Concen: 51.088 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008729.D
 Acq: 27 Nov 2018 12:25

Tgt Ion:	164	Resp:	72483
Ion	Ratio	Lower	Upper
164	100		
129	99.0	68.3	126.8
131	98.1	69.1	128.3
166	133.0	90.7	168.5



Abundance Ion 164.00 (163.70 to 164.70): VV008729.D (-2062) (-)

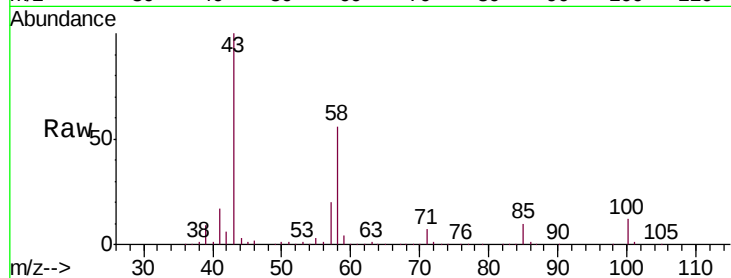




#48
2-Hexanone
Concen: 95.863 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV008729.D
Acq: 27 Nov 2018 12:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

Tgt Ion:	43	Resp:	211296
Ion	Ratio	Lower	Upper
43	100		
58	54.8	41.4	62.0
57	19.3	17.1	25.7
100	12.5	9.2	13.8

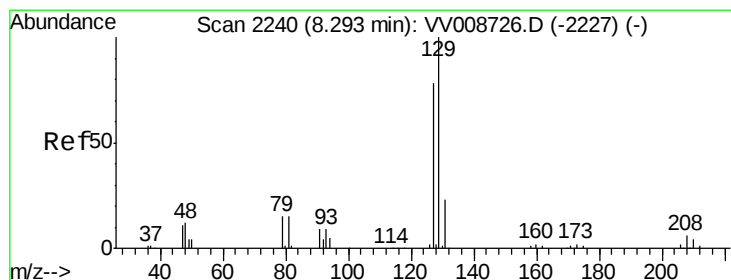
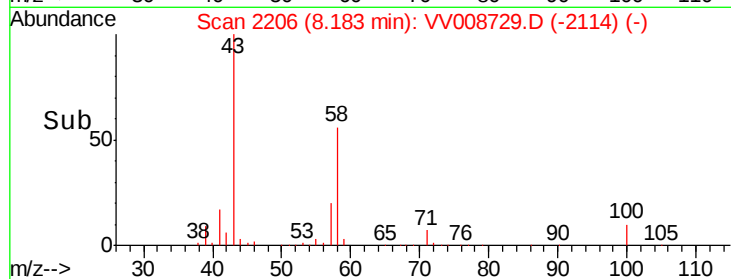
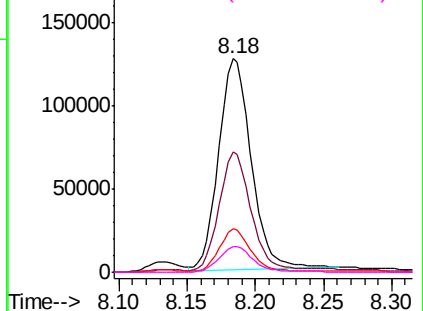


Abundance Ion 43.00 (42.70 to 43.70): VV008729.D (-2196) (-)

Ion 58.00 (57.70 to 58.70): VV008729.D (-2196) (-)

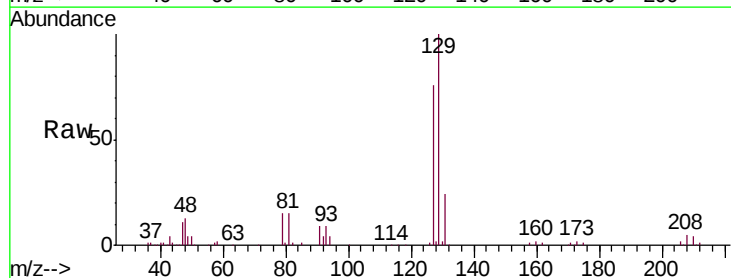
Ion 57.00 (56.70 to 57.70): VV008729.D (-2196) (-)

Ion 100.00 (99.70 to 100.70): VV008729.D (-2196) (-)



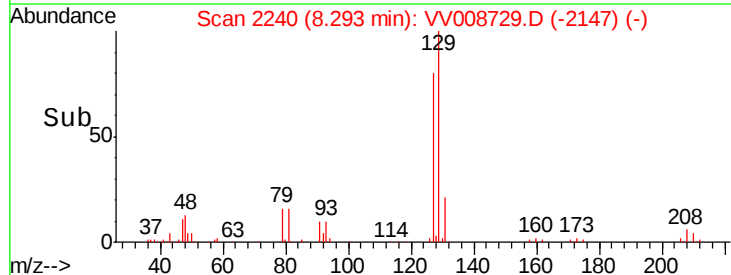
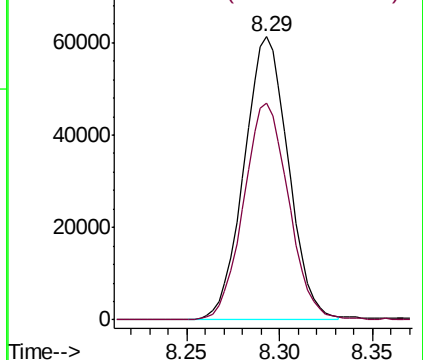
#49
Dibromochloromethane
Concen: 56.007 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008729.D
Acq: 27 Nov 2018 12:25

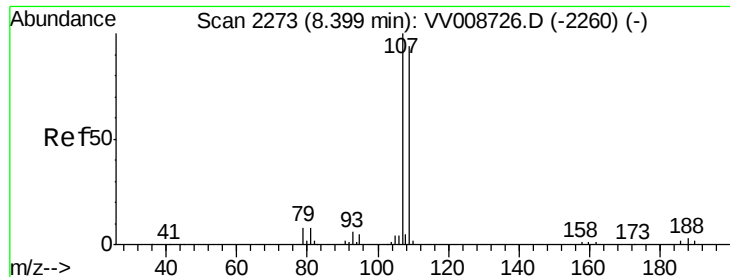
Tgt Ion:	129	Resp:	101651
Ion	Ratio	Lower	Upper
129	100		
127	76.4	58.2	108.0



Abundance Ion 129.00 (128.70 to 129.70): VV008729.D (-2147) (-)

Ion 127.00 (126.70 to 127.70): VV008729.D (-2147) (-)

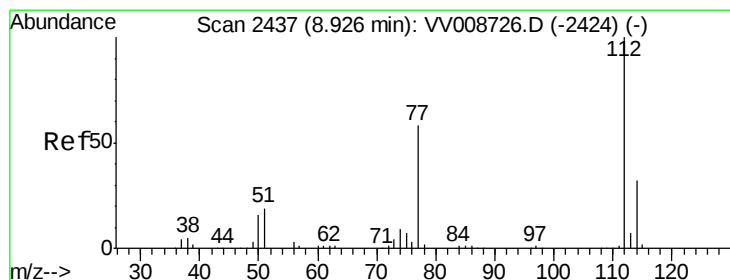
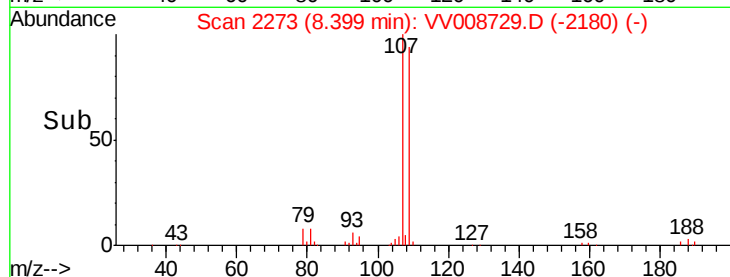
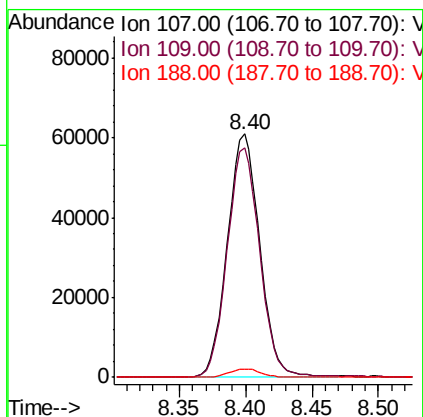
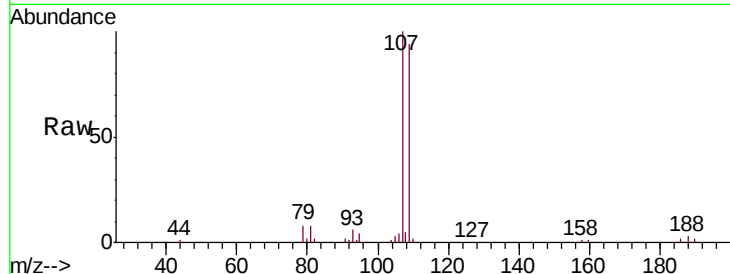




#50
1,2-Dibromoethane
Concen: 54.526 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008729.D
Acq: 27 Nov 2018 12:25

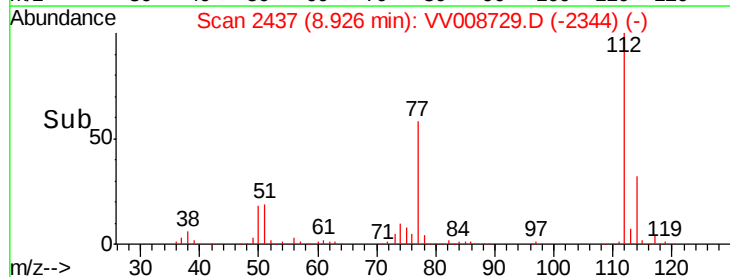
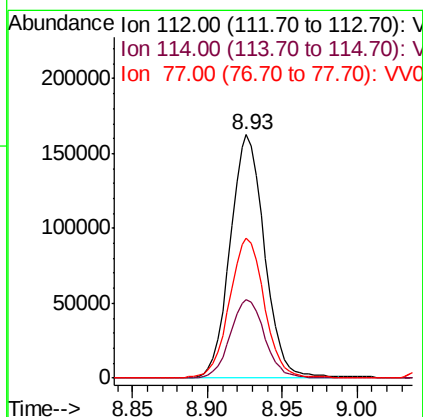
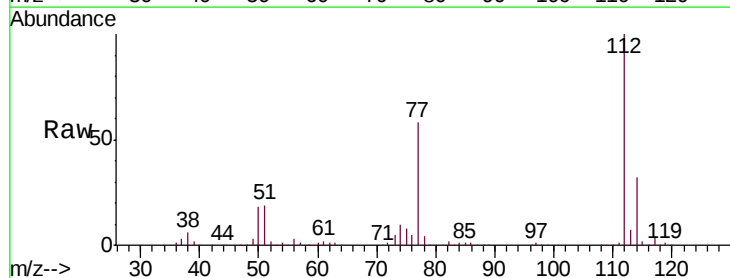
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

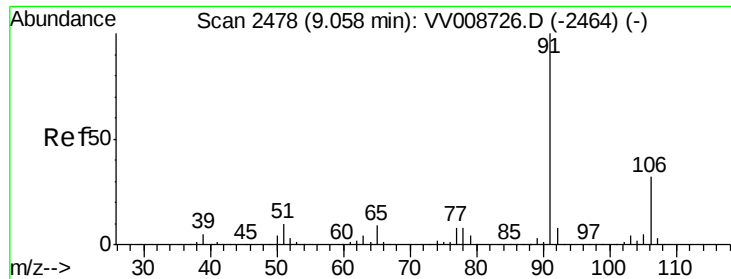
Tgt Ion:107 Resp: 103750
Ion Ratio Lower Upper
107 100
109 94.4 64.8 120.3
188 3.4 2.2 3.4#



#51
Chlorobenzene
Concen: 53.019 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008729.D
Acq: 27 Nov 2018 12:25

Tgt Ion:112 Resp: 260012
Ion Ratio Lower Upper
112 100
114 32.2 22.9 42.5
77 57.6 53.8 80.6





#52

Ethylbenzene

Concen: 50.542 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

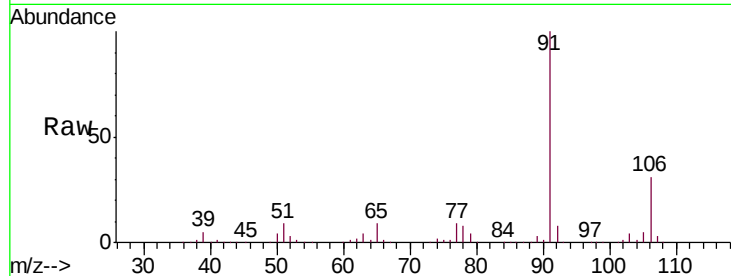
VSTD05061

Tgt Ion: 91 Resp: 427447

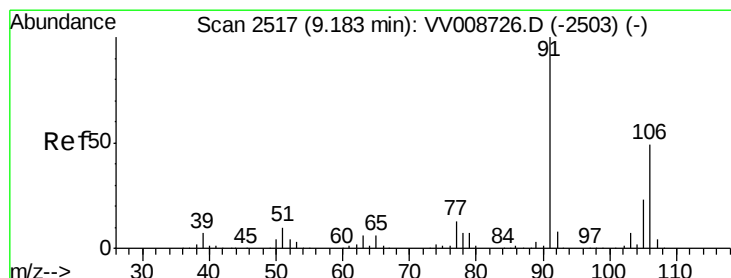
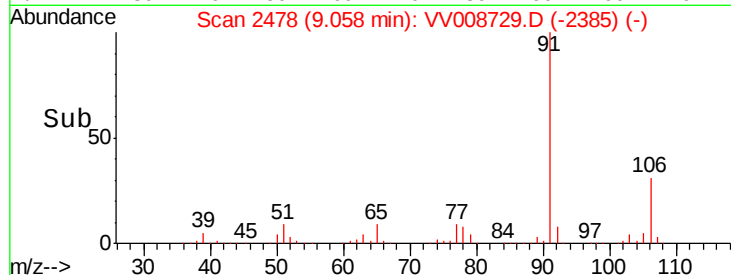
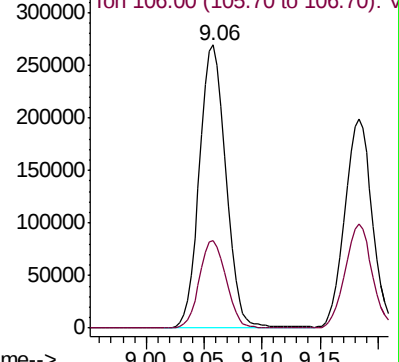
Ion Ratio Lower Upper

91 100

106 31.0 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VV008729.D (-2385) (-)



#53

m,p-Xylene

Concen: 52.476 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008729.D

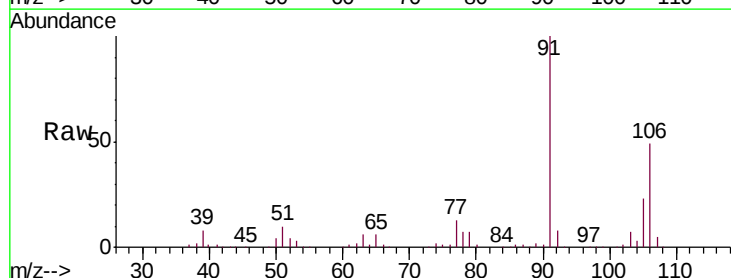
Acq: 27 Nov 2018 12:25

Tgt Ion: 106 Resp: 163083

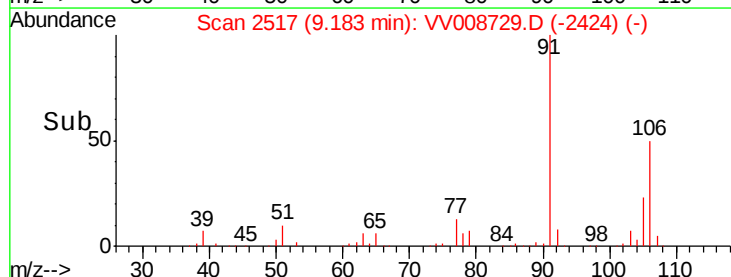
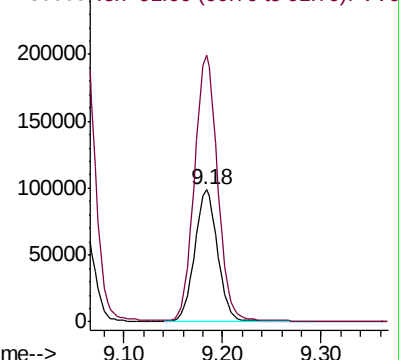
Ion Ratio Lower Upper

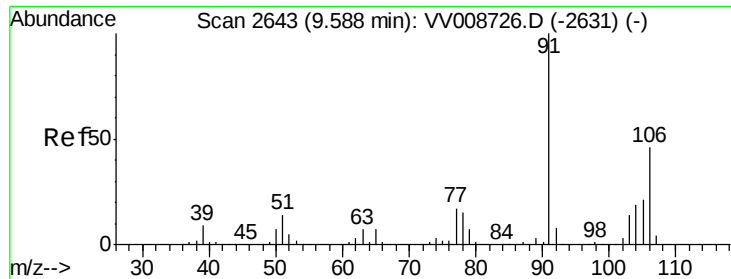
106 100

91 202.1 154.7 287.3



Abundance Ion 106.00 (105.70 to 106.70): VV008729.D (-2424) (-)





#54

o-xylene

Concen: 52.332 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

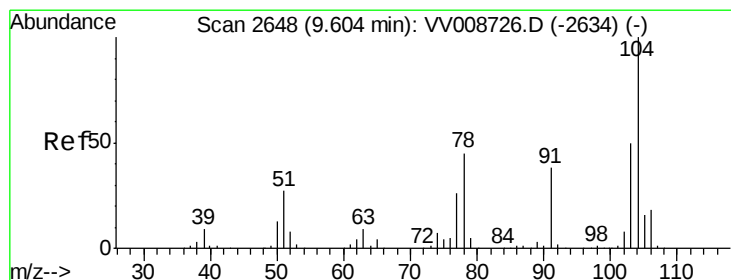
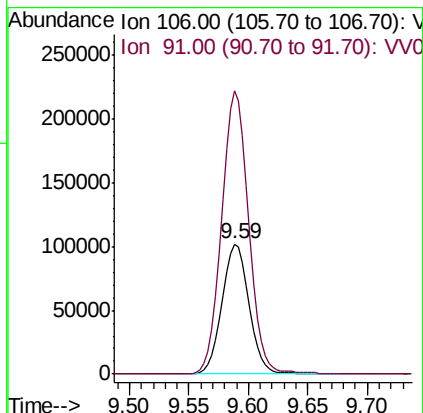
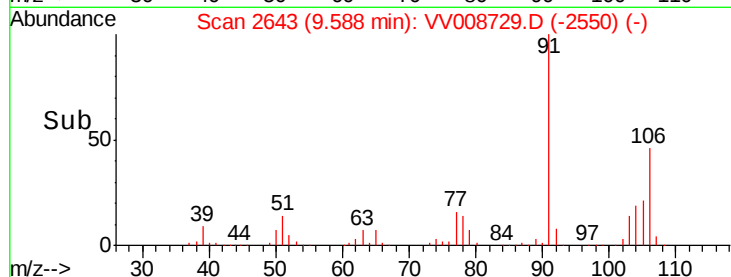
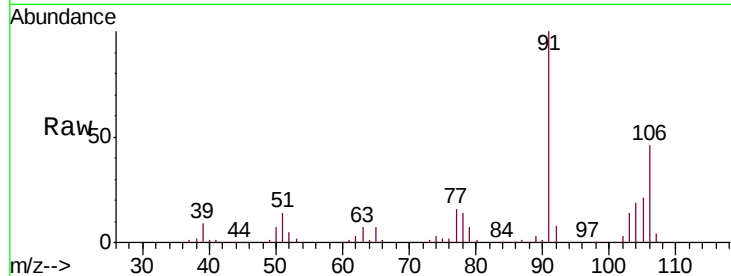
VSTD05061

Tgt Ion:106 Resp: 161718

Ion Ratio Lower Upper

106 100

91 218.0 146.7 272.5



#55

Styrene

Concen: 53.698 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV008729.D

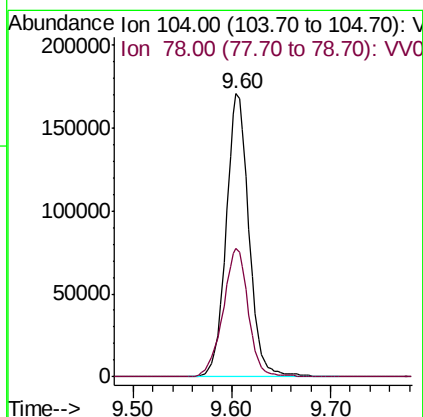
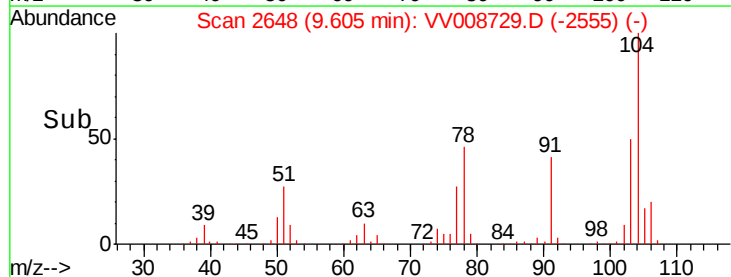
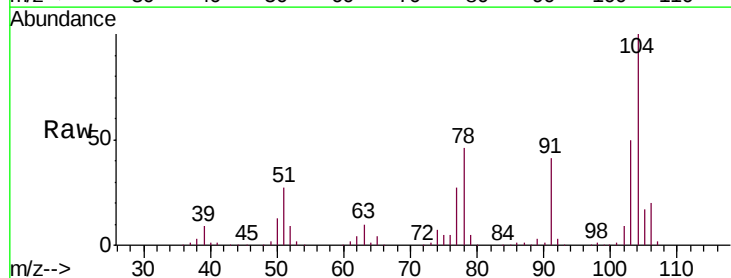
Acq: 27 Nov 2018 12:25

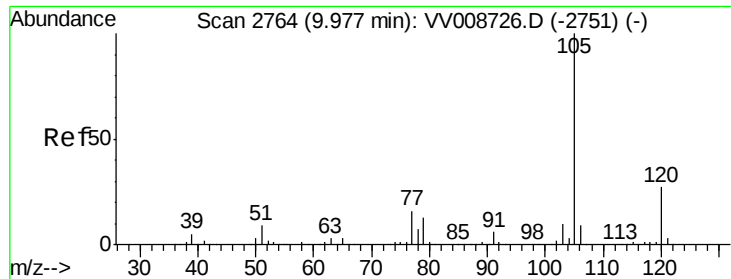
Tgt Ion:104 Resp: 276744

Ion Ratio Lower Upper

104 100

78 45.5 32.7 60.7





#56

Isopropylbenzene

Concen: 51.068 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

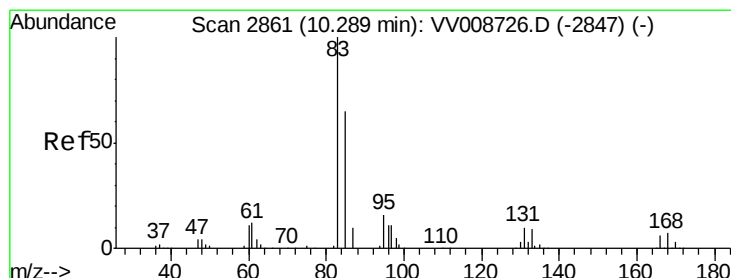
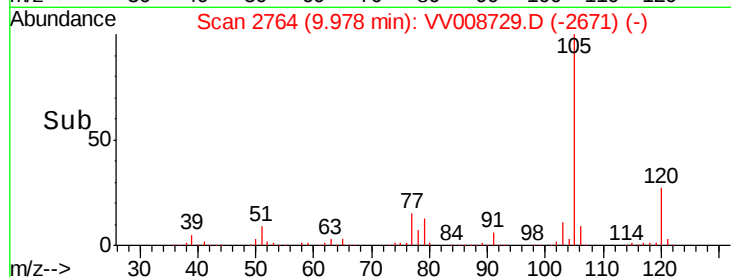
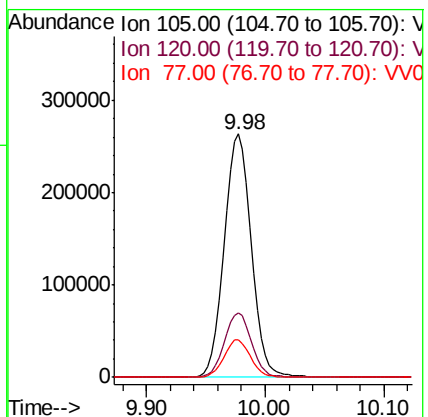
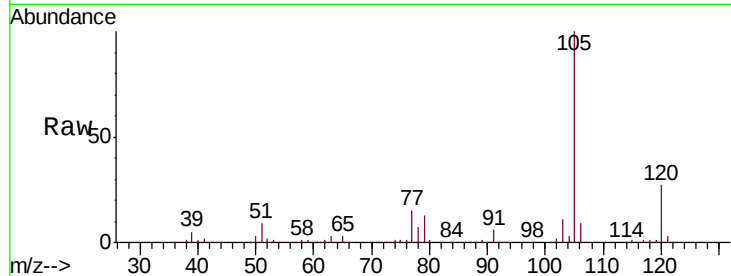
Tgt Ion: 105 Resp: 414964

Ion Ratio Lower Upper

105 100

120 26.7 20.5 30.7

77 15.3 12.8 19.2



#58

1,1,2,2-Tetrachloroethane

Concen: 52.154 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

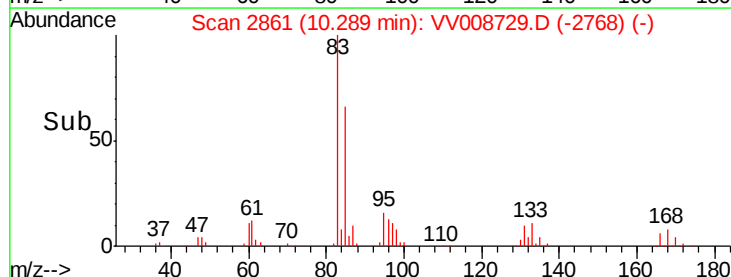
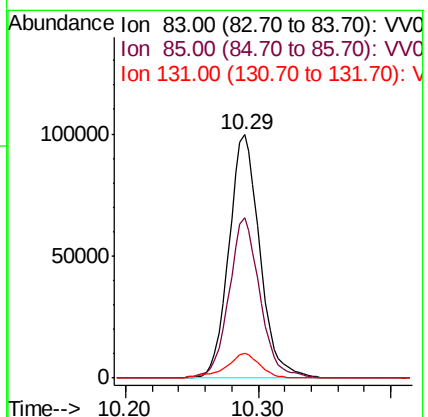
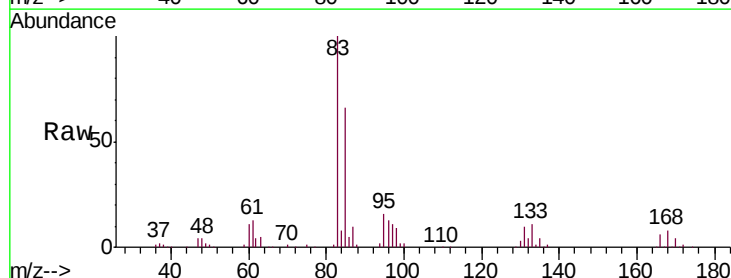
Tgt Ion: 83 Resp: 161191

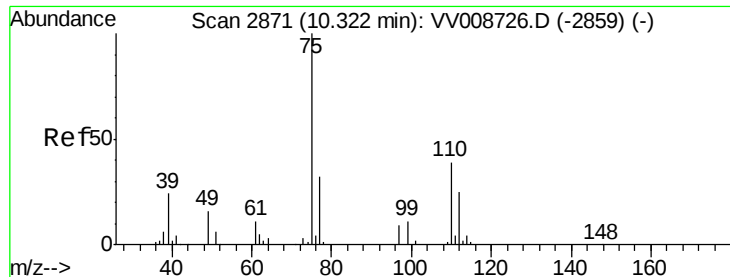
Ion Ratio Lower Upper

83 100

85 65.9 44.8 83.2

131 10.1 8.1 12.1





#59

1,2,3-Trichloropropane

Concen: 51.707 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

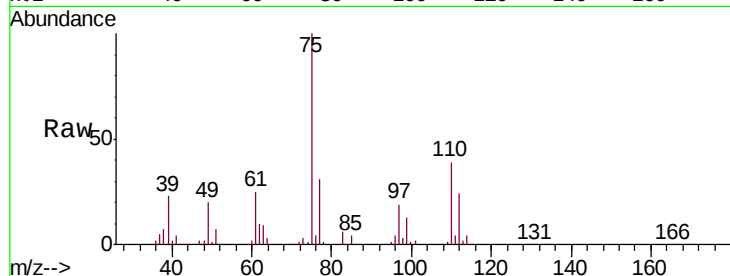
VSTD05061

Tgt Ion: 75 Resp: 131121

Ion Ratio Lower Upper

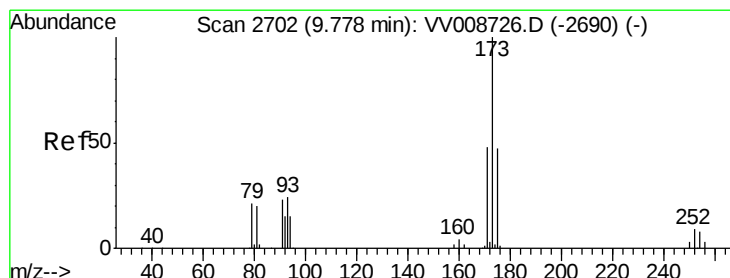
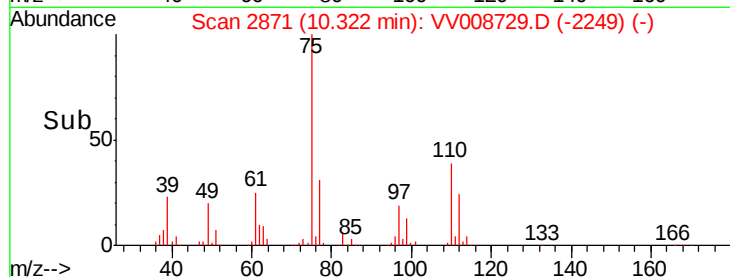
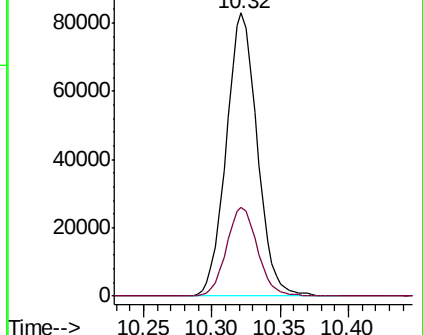
75 100

77 31.6 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV008729.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008729.D (-2859) (-)



#61

Bromoform

Concen: 56.273 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

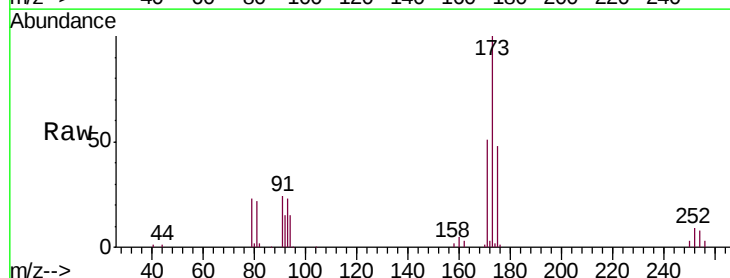
Tgt Ion: 173 Resp: 68669

Ion Ratio Lower Upper

173 100

175 48.4 39.1 58.7

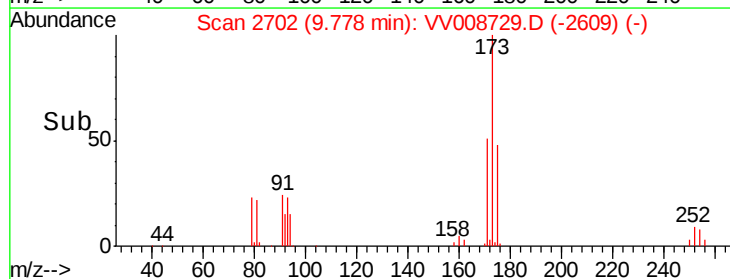
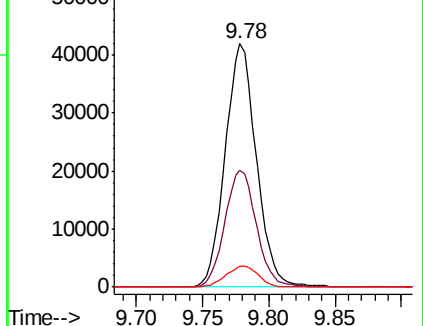
254 8.9 7.0 10.4

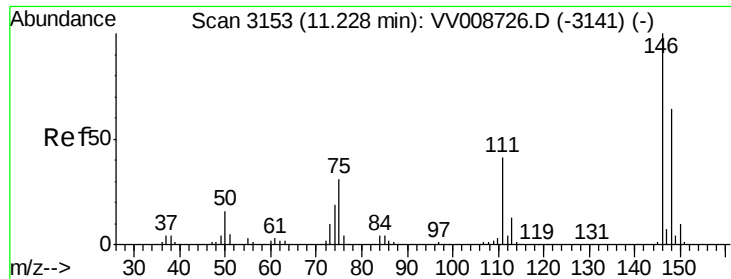


Abundance Ion 173.00 (172.70 to 173.70): VV008729.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV008729.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV008729.D (-2690) (-)

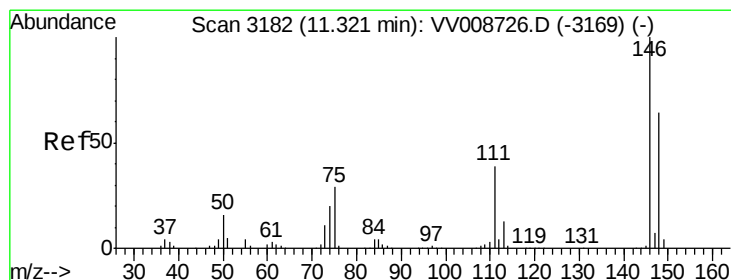
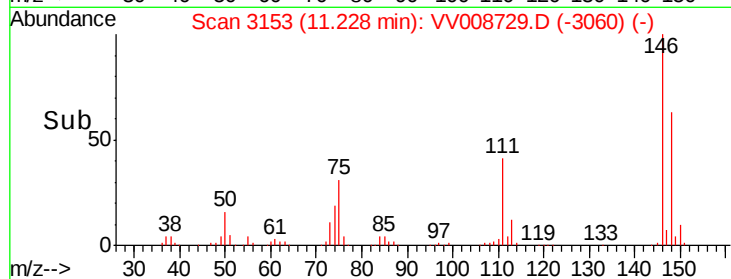
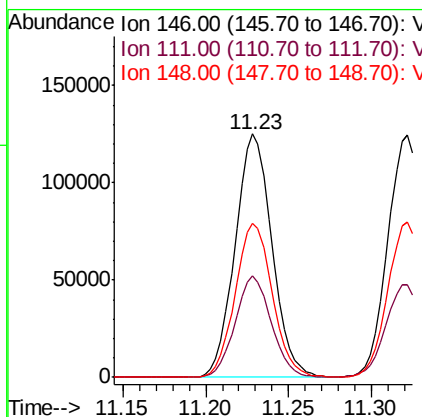
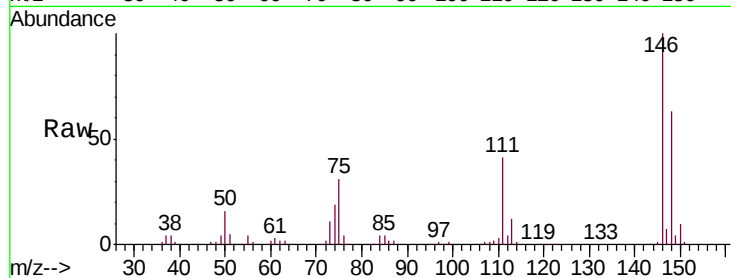




#62
 1,3-Dichlorobenzene
 Concen: 52.022 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008729.D
 Acq: 27 Nov 2018 12:25

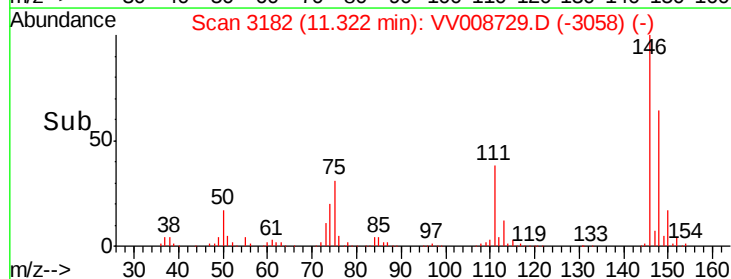
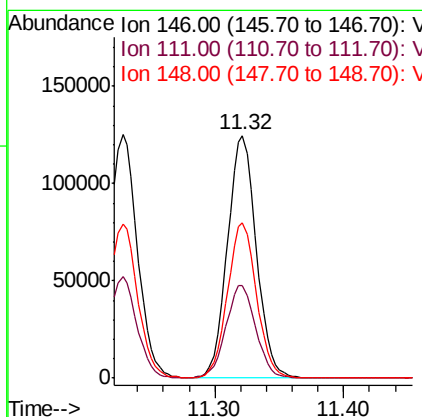
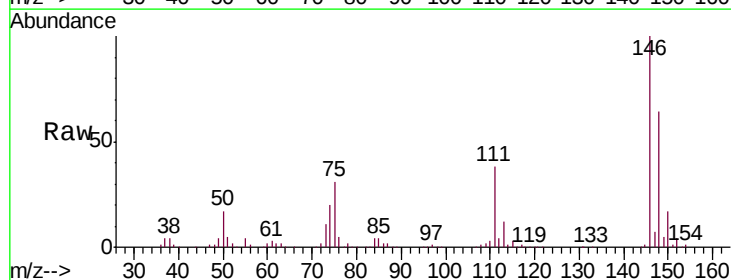
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

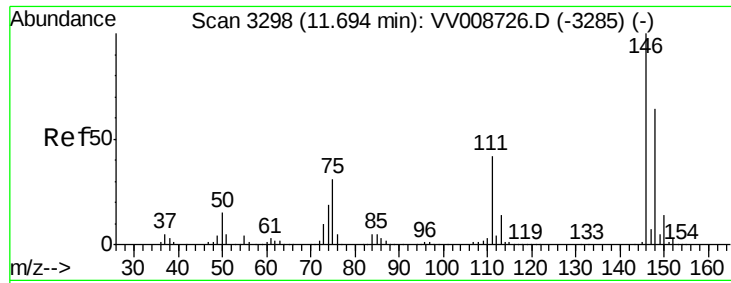
Tgt Ion:146 Resp: 193716
 Ion Ratio Lower Upper
 146 100
 111 41.5 27.9 51.7
 148 63.3 42.7 79.3



#63
 1,4-Dichlorobenzene
 Concen: 50.956 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008729.D
 Acq: 27 Nov 2018 12:25

Tgt Ion:146 Resp: 193382
 Ion Ratio Lower Upper
 146 100
 111 37.9 27.7 51.5
 148 64.2 46.4 86.2





#65

1,2-Dichlorobenzene

Concen: 52.653 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

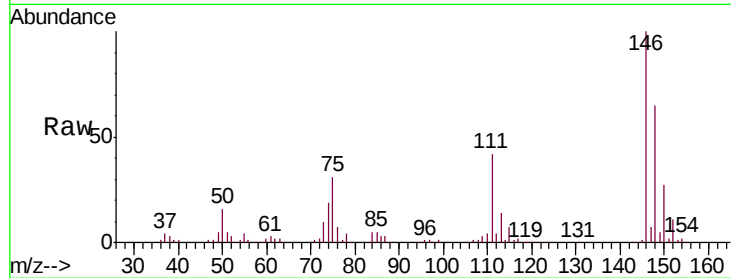
Tgt Ion: 146 Resp: 202373

Ion Ratio Lower Upper

146 100

111 42.4 36.5 54.7

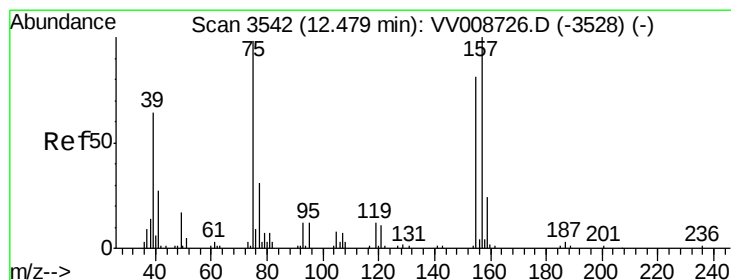
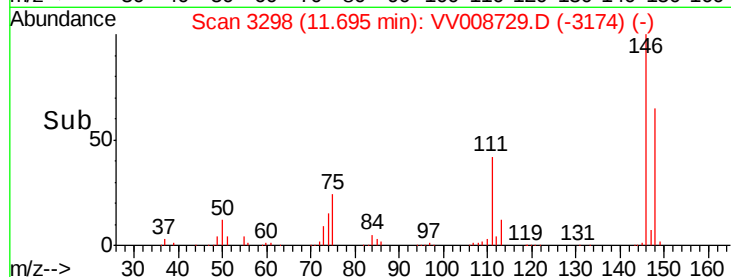
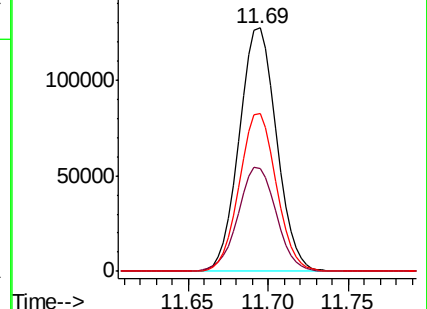
148 65.1 48.7 73.1



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: 50.734 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

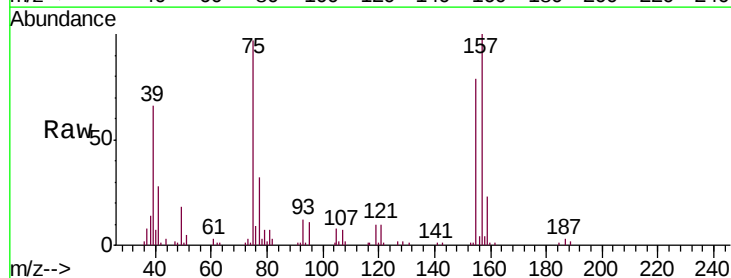
Tgt Ion: 75 Resp: 31575

Ion Ratio Lower Upper

75 100

155 81.2 64.4 96.6

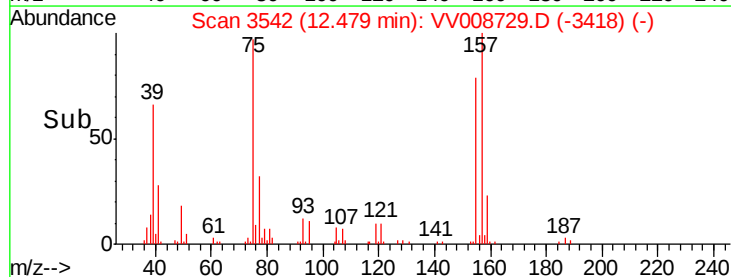
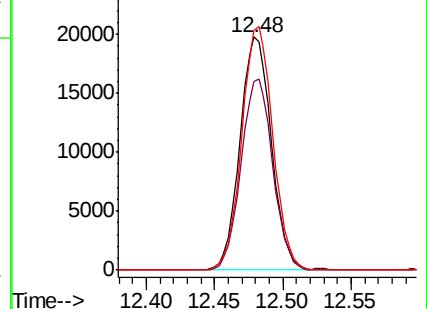
157 103.0 83.7 125.5

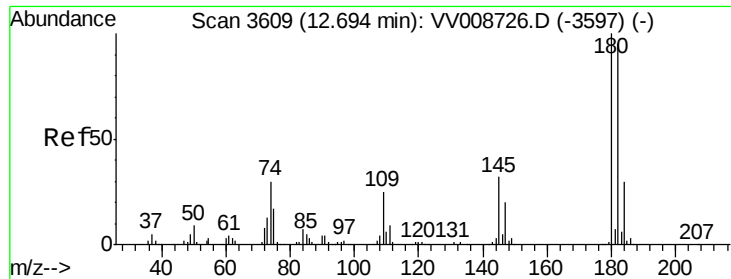


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

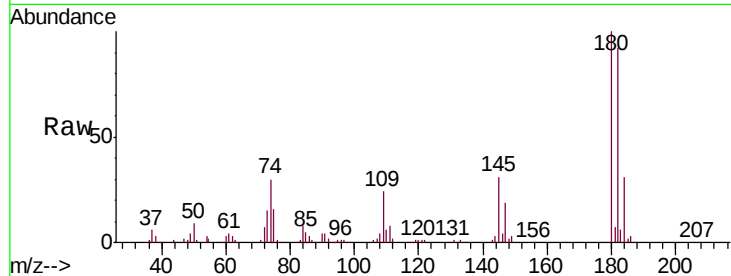




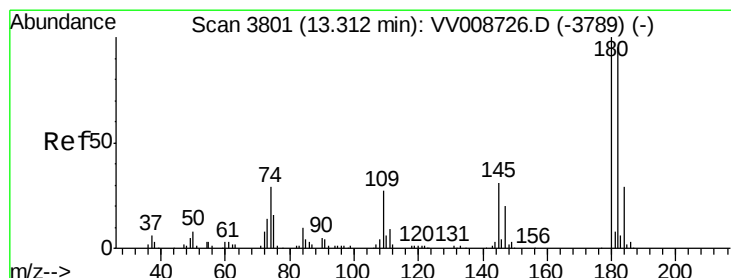
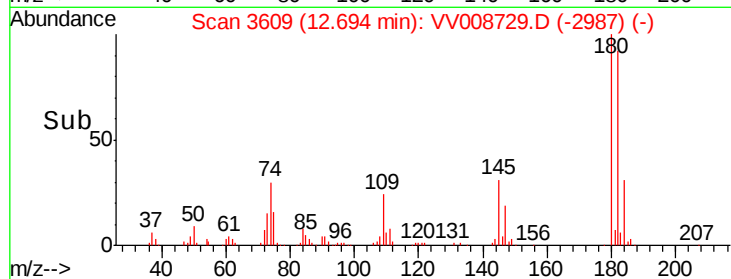
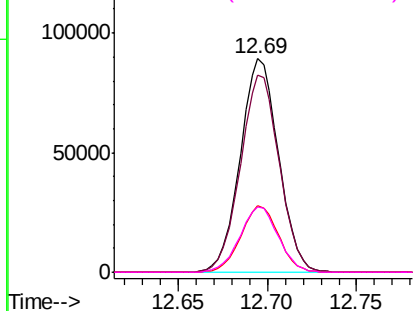
#67
 1,3,5-Trichlorobenzene
 Concen: 51.780 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008729.D
 Acq: 27 Nov 2018 12:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Tgt Ion:	180	Resp:	134242
Ion	Ratio	Lower	Upper
180	100		
182	93.5	73.2	109.8
184	30.7	23.6	35.4
145	30.9	26.6	39.8

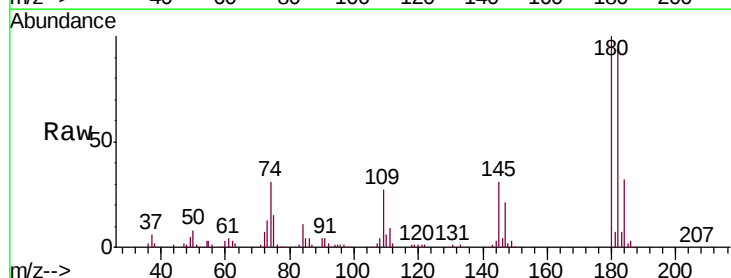


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

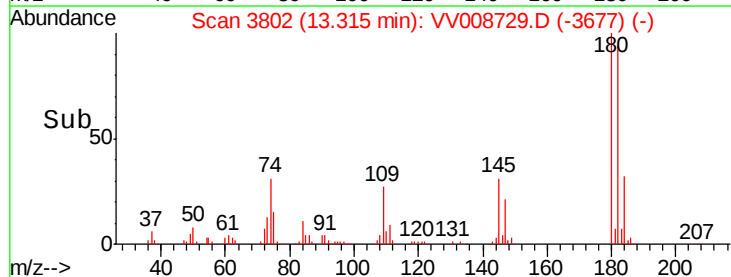
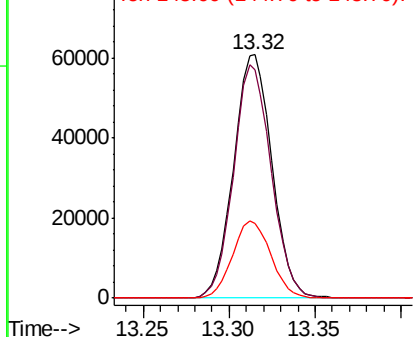


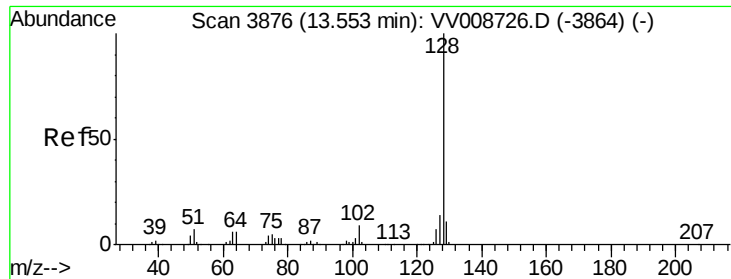
#68
 1,2,4-trichlorobenzene
 Concen: 47.867 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008729.D
 Acq: 27 Nov 2018 12:25

Tgt Ion:	180	Resp:	94170
Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.7	113.5
145	31.6	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





#69

Naphthalene

Concen: 41.782 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

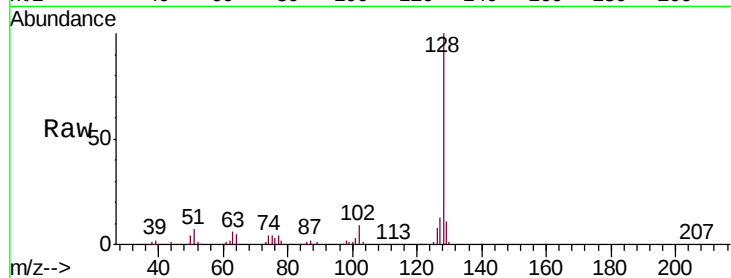
Tgt Ion:128 Resp: 234047

Ion Ratio Lower Upper

128 100

127 13.1 9.4 14.0

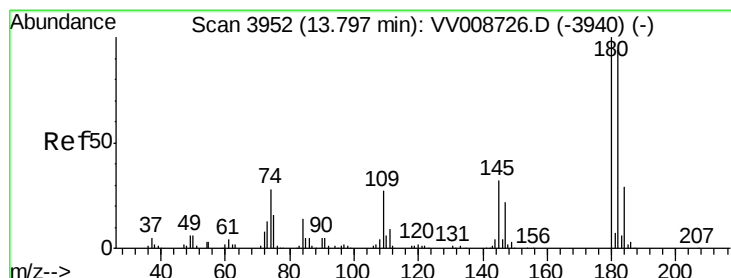
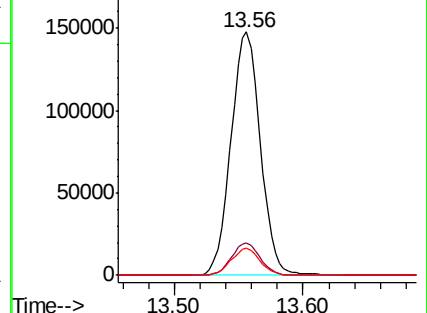
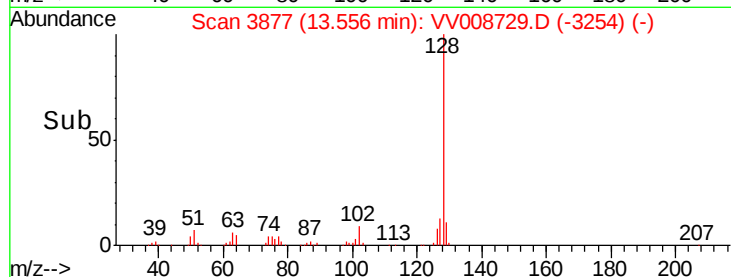
129 10.9 8.9 13.3



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: 48.771 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008729.D

Acq: 27 Nov 2018 12:25

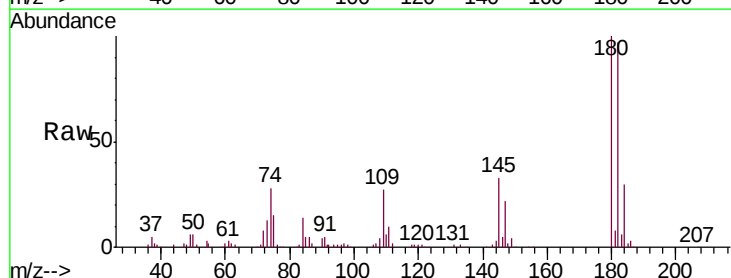
Tgt Ion:180 Resp: 98662

Ion Ratio Lower Upper

180 100

182 95.1 77.5 116.3

145 33.4 28.9 43.3



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

