

Data File : VV008724.D
Acq On : 26 Nov 2018 20:14
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Quant Time: Nov 27 03:15:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 27 03:11:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	279123	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	259777	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	124498	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80047	40.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.30%
7) Chloroethane-d5	1.57	69	62473	58.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	116.16%
11) 1,1-Dichloroethene-d2	2.13	63	150227	46.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.44%
21) 2-Butanone-d5	3.93	46	149604	93.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.21%
24) Chloroform-d	4.41	84	194595	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
26) 1,2-Dichloroethane-d4	5.08	65	122996	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.42%
32) Benzene-d6	5.10	84	385961	47.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.52%
36) 1,2-Dichloropropane-d6	6.12	67	121943	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.54%
41) Toluene-d8	7.36	98	352111	48.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.10%
43) trans-1,3-Dichloropropene-	7.67	79	56134	49.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.36%
47) 2-Hexanone-d5	8.13	63	102537	89.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.78%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	168350	48.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.72%
64) 1,2-Dichlorobenzene-d4	11.68	152	137982	50.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.54%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	109836	48.589 ug/L	99
3) Chloromethane	1.25	50	108065	49.356 ug/L	96
5) Vinyl chloride	1.32	62	102759	48.340 ug/L	97
6) Bromomethane	1.52	94	36574	50.997 ug/L	98
8) Chloroethane	1.59	64	57250	53.767 ug/L	97
9) Trichlorofluoromethane	1.76	101	140221	51.265 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	78780	49.896 ug/L	97
12) 1,1-Dichloroethene	2.14	96	71804	50.667 ug/L	91
13) Acetone	2.19	43	104488	65.795 ug/L	99
14) Carbon disulfide	2.32	76	250692	45.427 ug/L	100
15) Methyl Acetate	2.46	43	116568	46.551 ug/L	99
16) Methylene chloride	2.54	84	107507	48.978 ug/L	94
17) trans-1,2-Dichloroethene	2.79	96	97000	49.349 ug/L	96
18) Methyl tert-butyl Ether	2.81	73	322383	49.384 ug/L	98
19) 1,1-Dichloroethane	3.23	63	184368	48.893 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	109418	48.684 ug/L	83
22) 2-Butanone	4.02	43	159977	79.554 ug/L	95

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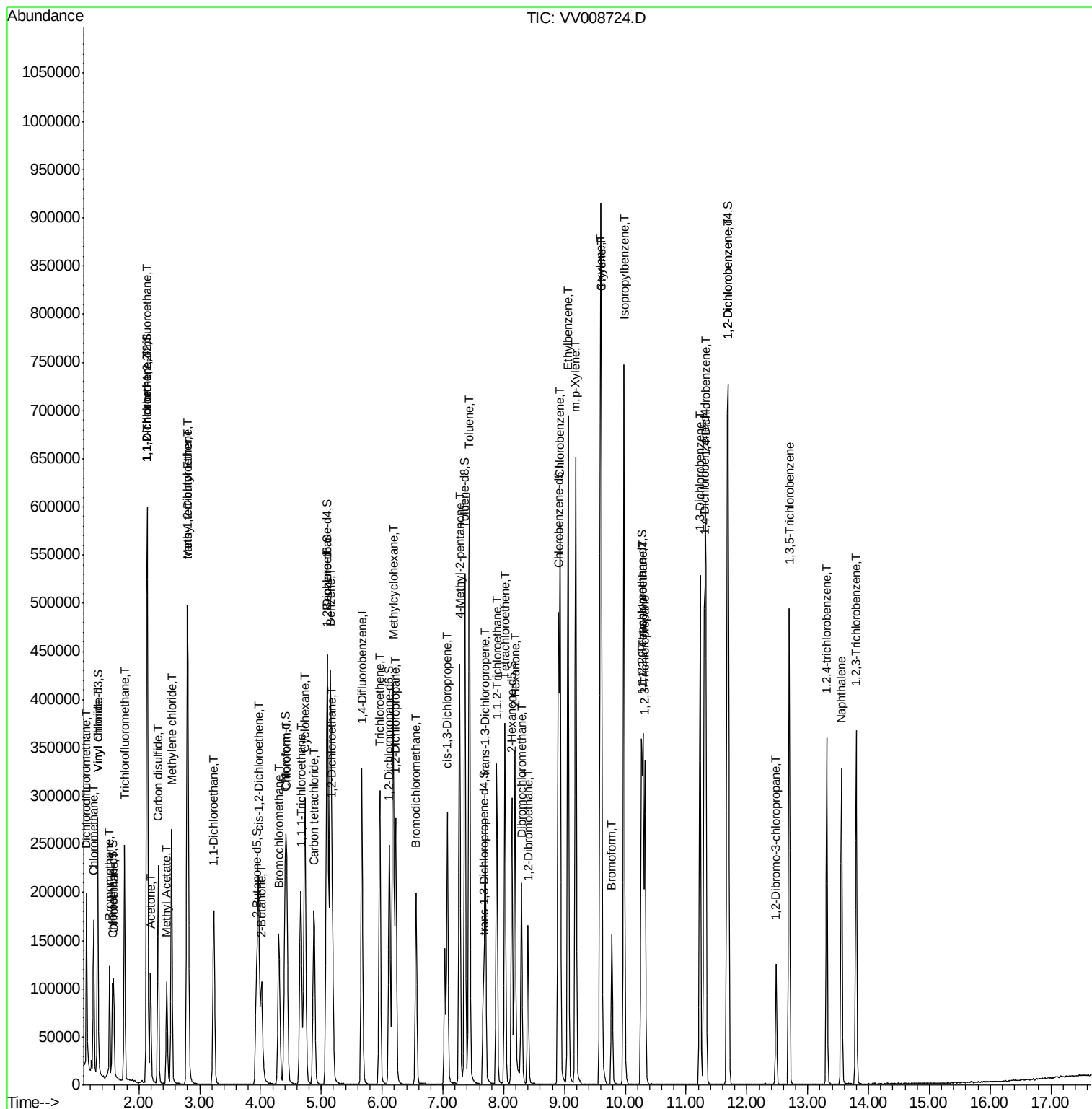
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	54727	50.563	ug/L	83
25) Chloroform	4.43	83	189135	48.189	ug/L	94
27) 1,2-Dichloroethane	5.18	62	149233	49.081	ug/L	99
29) Cyclohexane	4.73	56	167794	47.681	ug/L #	100
30) 1,1,1-Trichloroethane	4.66	97	161540	50.323	ug/L	96
31) Carbon tetrachloride	4.88	117	136866	51.270	ug/L	98
33) Benzene	5.15	78	415598	49.762	ug/L	100
34) Trichloroethene	5.96	95	108542	49.040	ug/L	89
35) Methylcyclohexane	6.18	83	178590	48.866	ug/L	96
37) 1,2-Dichloropropane	6.22	63	108718	48.194	ug/L #	94
38) Bromodichloromethane	6.56	83	131728	48.729	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	163566	51.017	ug/L	94
40) 4-Methyl-2-pentanone	7.27	43	287943	90.892	ug/L	93
42) Toluene	7.43	91	439509	50.604	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	150737	51.684	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	104152	50.593	ug/L	95
46) Tetrachloroethene	8.02	164	84469	52.838	ug/L	97
48) 2-Hexanone	8.19	43	212068	85.389	ug/L	95
49) Dibromochloromethane	8.29	129	105973	51.820	ug/L	94
50) 1,2-Dibromoethane	8.40	107	110000	51.307	ug/L #	98
51) Chlorobenzene	8.93	112	295965	53.561	ug/L	93
52) Ethylbenzene	9.06	91	483862	50.776	ug/L	98
53) m,p-Xylene	9.18	106	181927	51.954	ug/L	90
54) o-xylene	9.59	106	182853	52.514	ug/L	97
55) Styrene	9.61	104	300648	51.773	ug/L	98
56) Isopropylbenzene	9.98	105	475757	51.962	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	167975	48.235	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	136324	47.710	ug/L	98
61) Bromoform	9.78	173	68857	50.367	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	211008	50.580	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	223023	52.455	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	230497	53.530	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	31033	44.508	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	144568	49.774	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	106418	48.283	ug/L	98
69) Naphthalene	13.56	128	254193	40.505	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	108289	47.781	ug/L	97

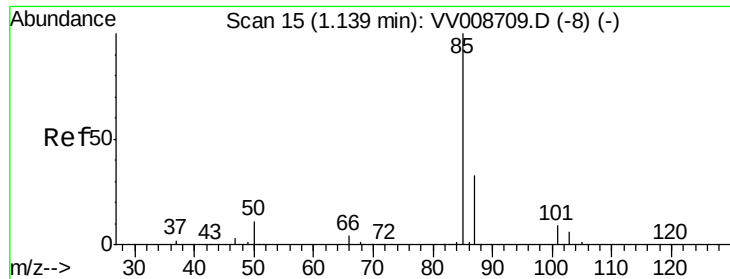
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.589 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

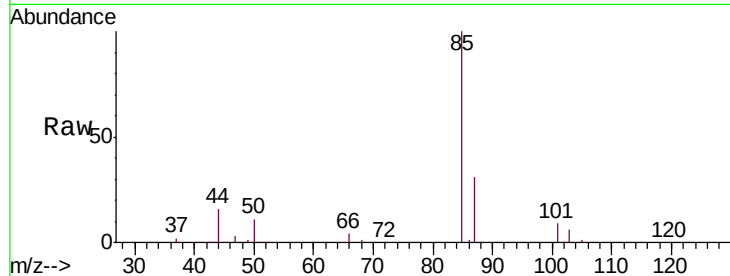
VSTD05079

Tgt Ion: 85 Resp: 109836

Ion Ratio Lower Upper

85 100

87 31.7 24.8 37.2



Abundance Ion 85.00 (84.70 to 85.70): VV008709.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008709.D (-8) (-)

1.14

100000

80000

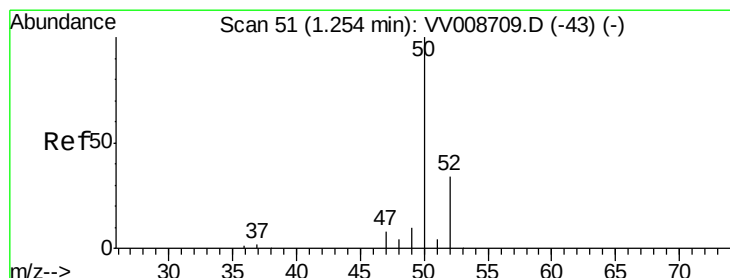
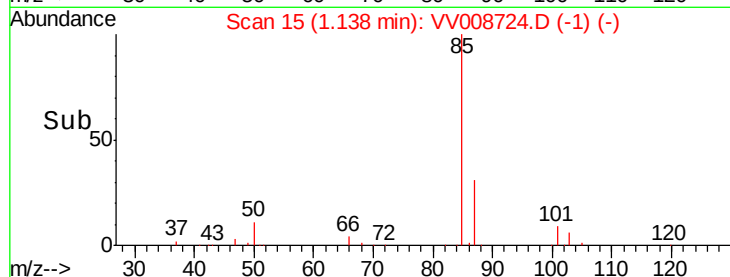
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 49.356 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008724.D

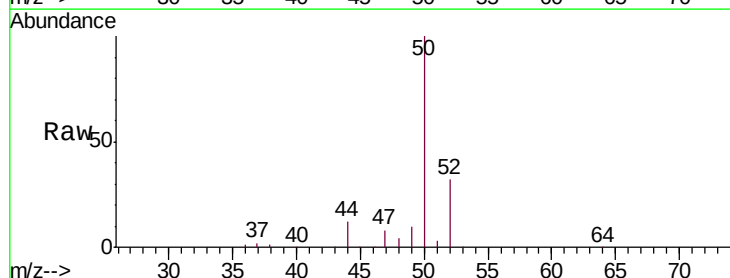
Acq: 26 Nov 2018 20:14

Tgt Ion: 50 Resp: 108065

Ion Ratio Lower Upper

50 100

52 32.3 24.1 44.7



Abundance Ion 50.00 (49.70 to 50.70): VV008709.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008709.D (-43) (-)

1.25

100000

80000

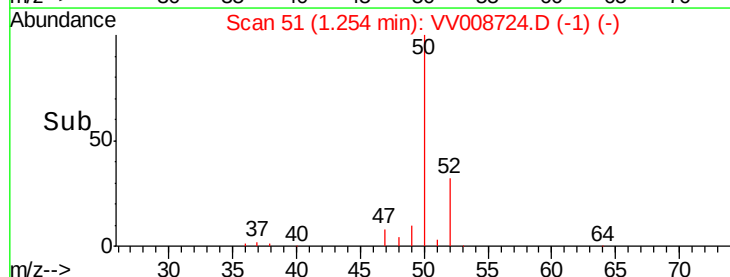
60000

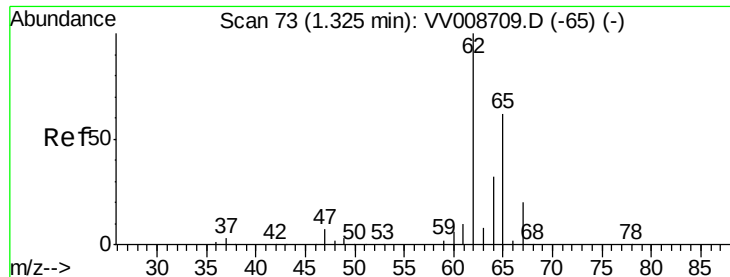
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 48.340 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

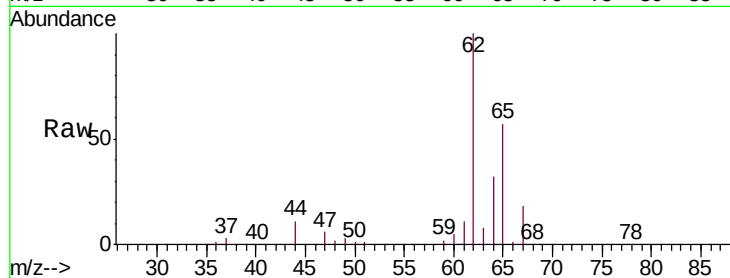
VSTD05079

Tgt Ion: 62 Resp: 102759

Ion Ratio Lower Upper

62 100

64 32.3 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

100000

80000

60000

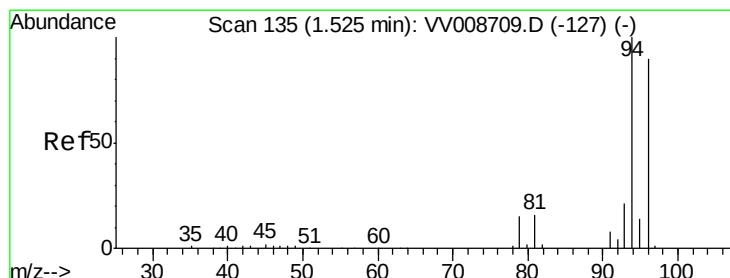
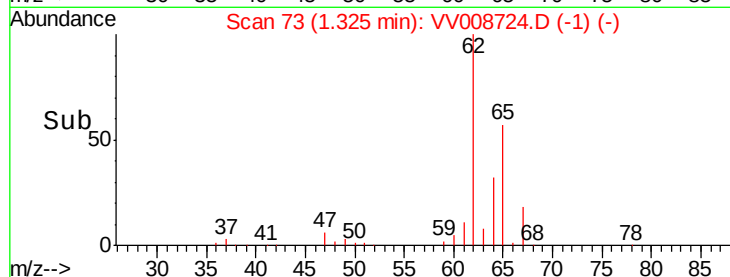
40000

20000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 50.997 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.01 min

Lab File: VV008724.D

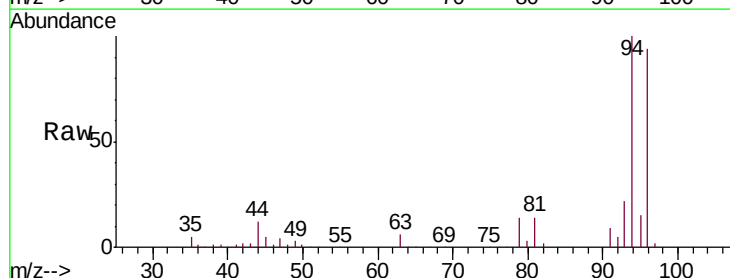
Acq: 26 Nov 2018 20:14

Tgt Ion: 94 Resp: 36574

Ion Ratio Lower Upper

94 100

96 93.5 66.6 123.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

40000

30000

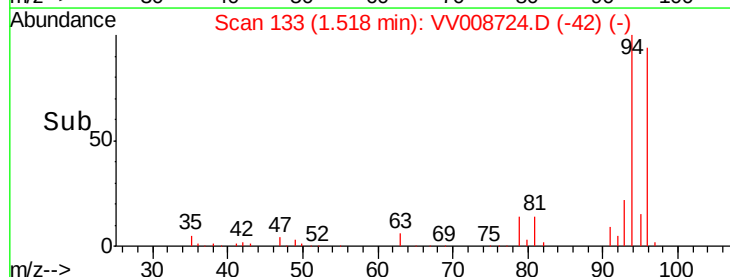
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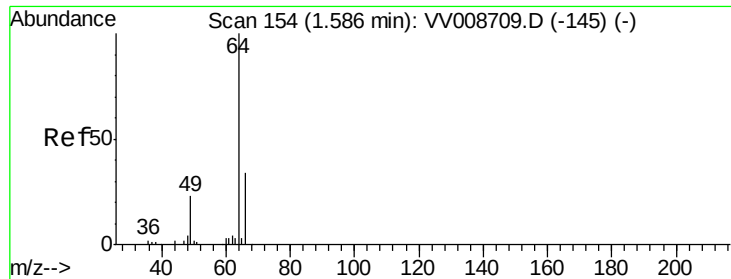
10000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 53.767 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

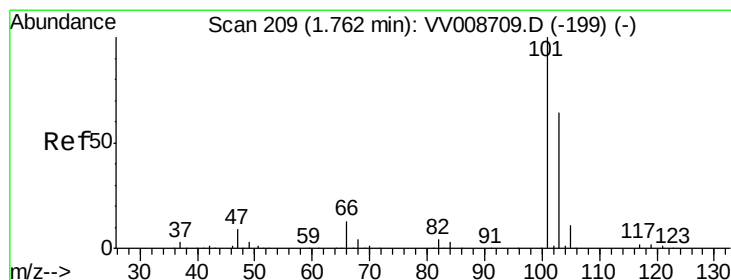
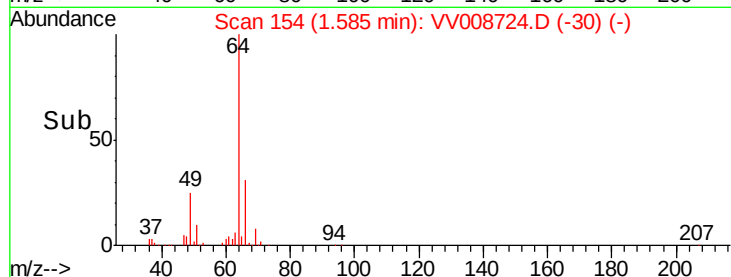
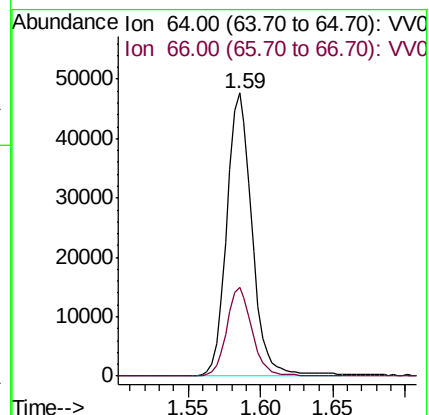
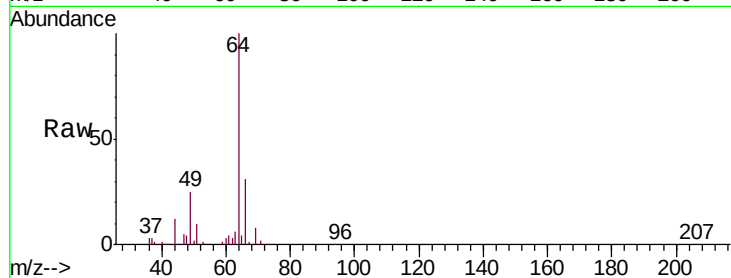
VSTD05079

Tgt Ion: 64 Resp: 57250

Ion Ratio Lower Upper

64 100

66 31.4 21.0 39.0



#9

Trichlorofluoromethane

Concen: 51.265 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV008724.D

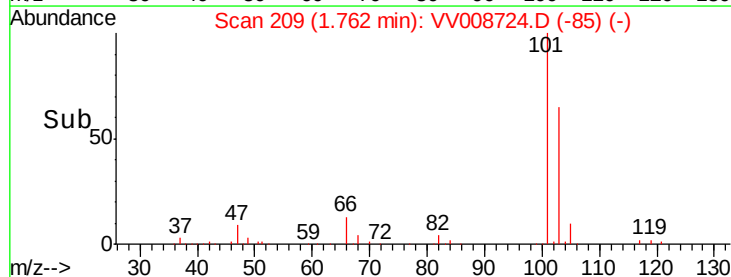
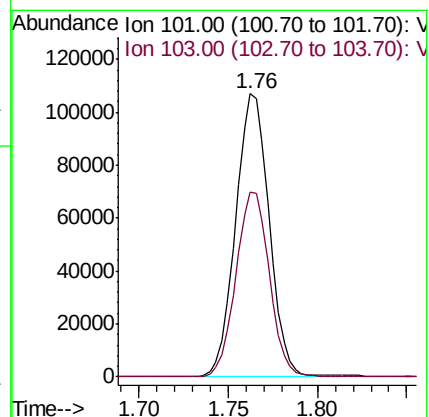
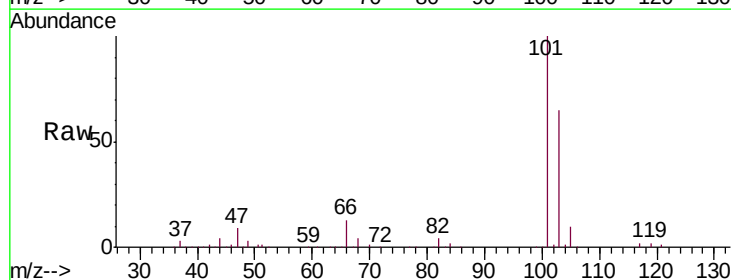
Acq: 26 Nov 2018 20:14

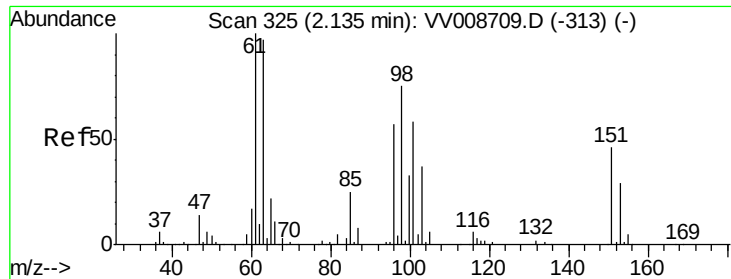
Tgt Ion: 101 Resp: 140221

Ion Ratio Lower Upper

101 100

103 65.1 50.2 75.4





#10

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

Concen: 49.896 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

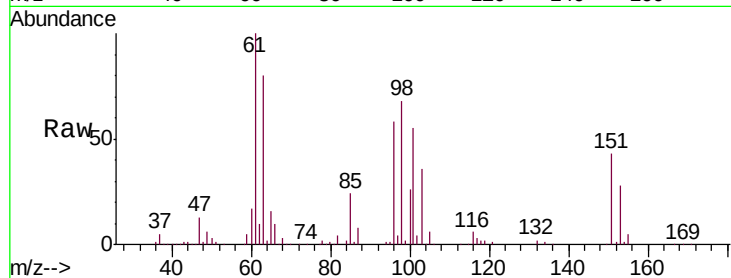
Tgt Ion: 101 Resp: 78780

Ion Ratio Lower Upper

101 100

85 43.3 37.0 55.6

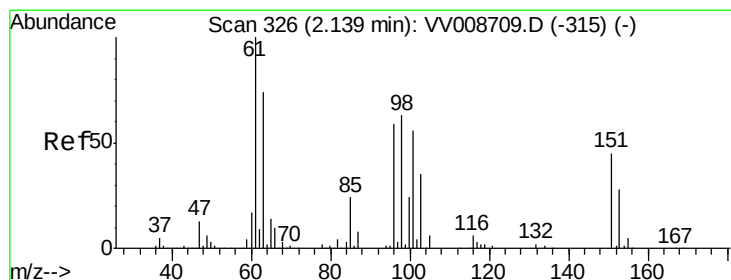
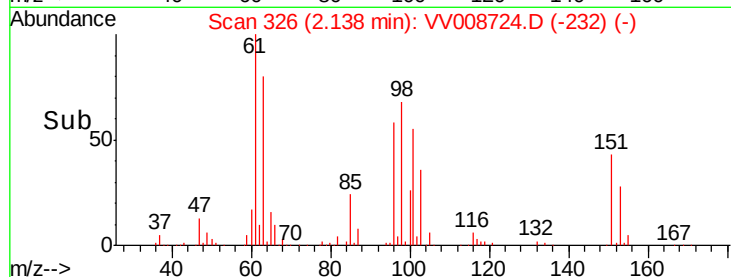
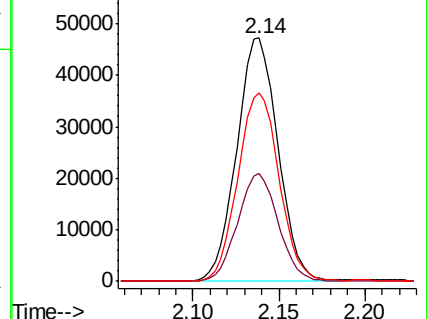
151 77.3 63.8 95.8



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: 50.667 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

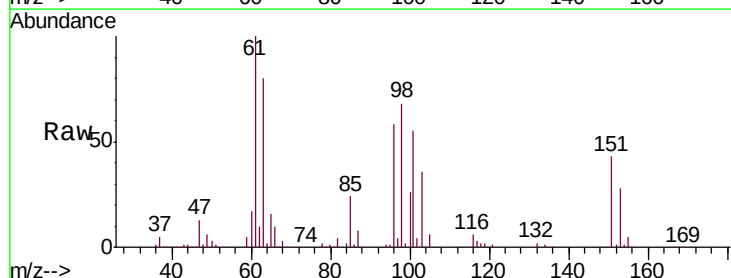
Tgt Ion: 96 Resp: 71804

Ion Ratio Lower Upper

96 100

61 172.0 120.3 223.3

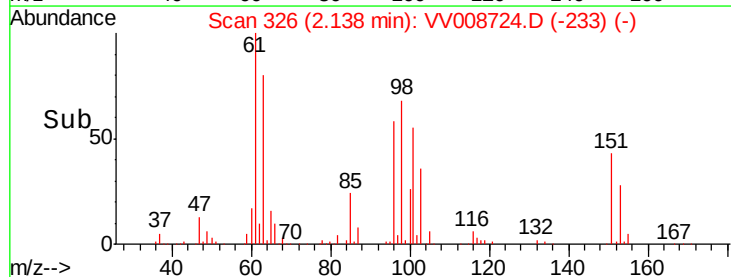
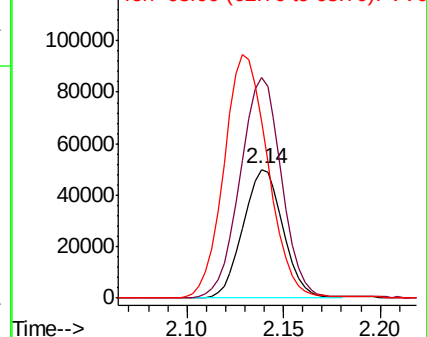
63 137.5 113.3 210.5

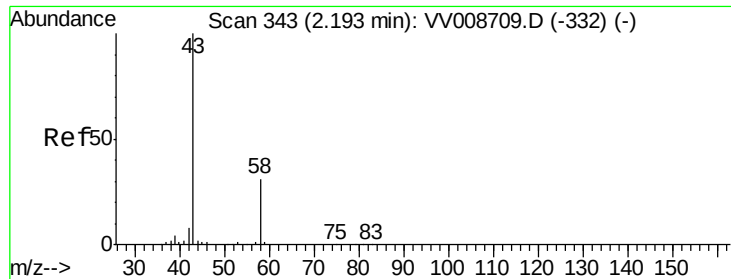


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 65.795 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

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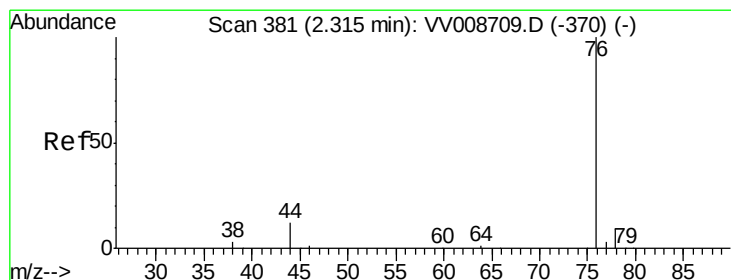
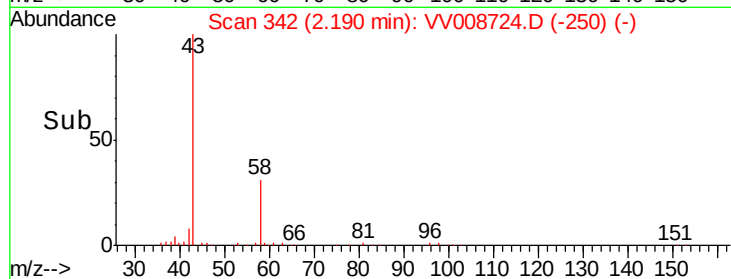
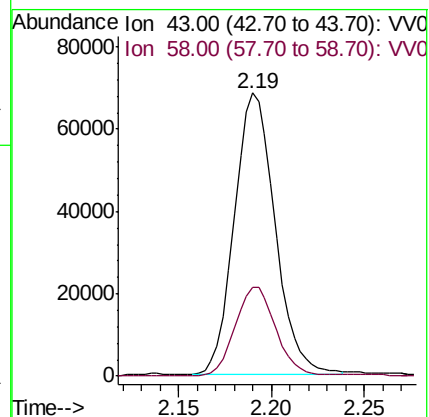
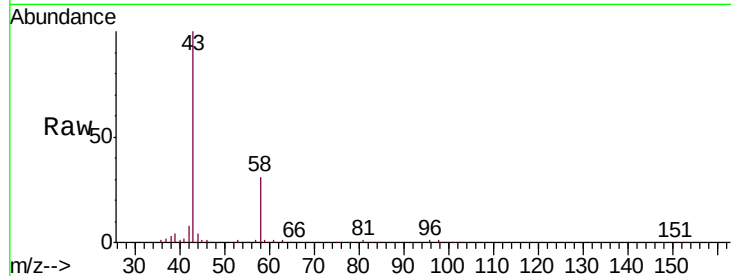
VSTD05079

Tgt Ion: 43 Resp: 104488

Ion Ratio Lower Upper

43 100

58 31.7 0.0 62.8



#14

Carbon disulfide

Concen: 45.427 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008724.D

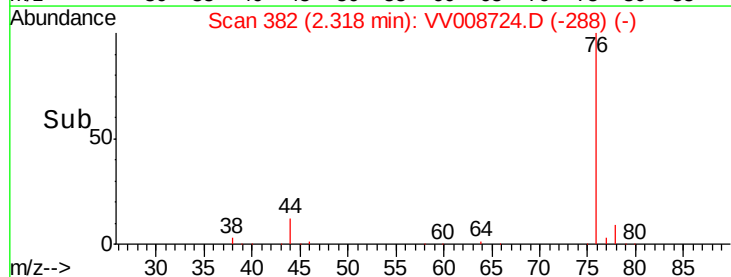
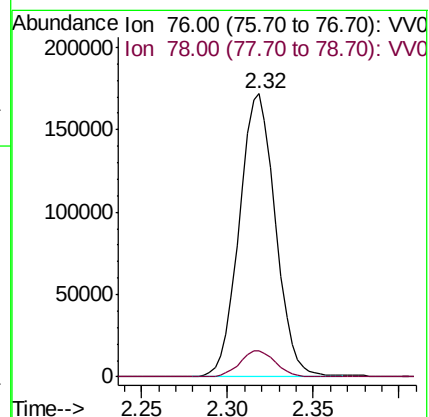
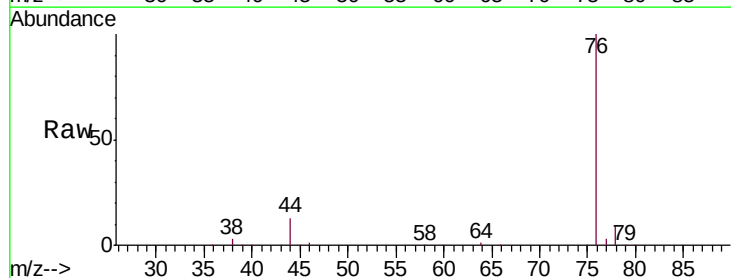
Acq: 26 Nov 2018 20:14

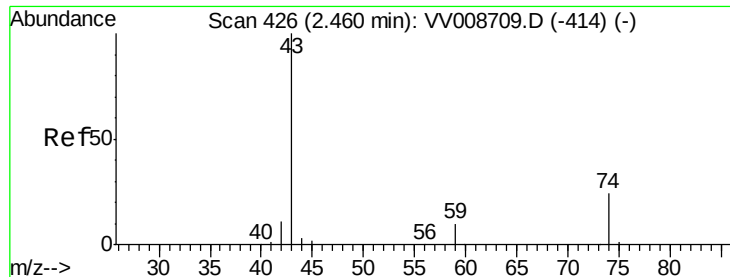
Tgt Ion: 76 Resp: 250692

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

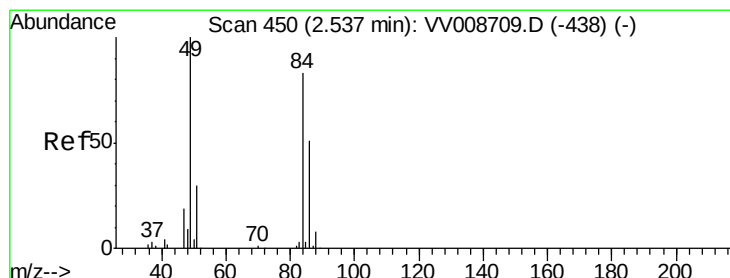
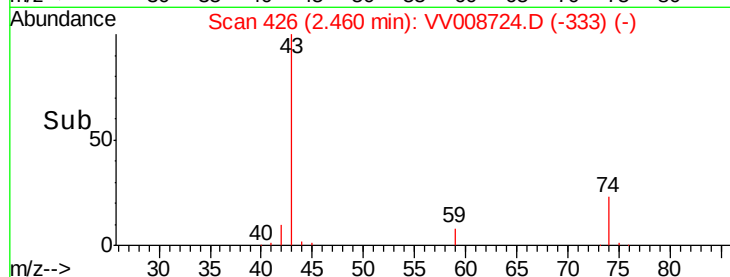
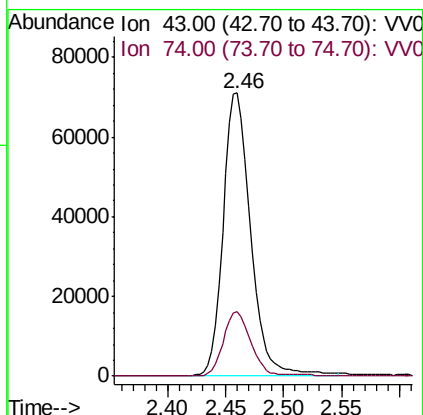
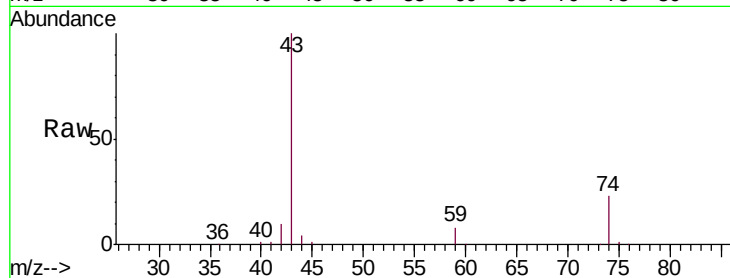




#15
Methyl Acetate
Concen: 46.551 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV008724.D
Acq: 26 Nov 2018 20:14

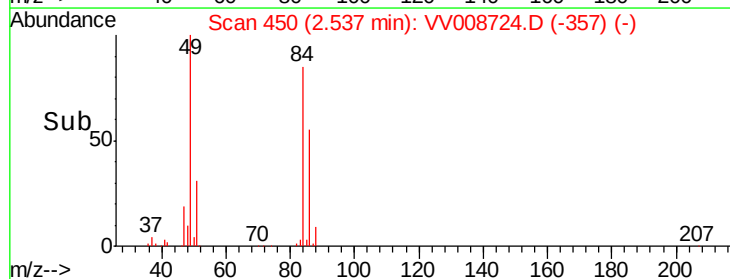
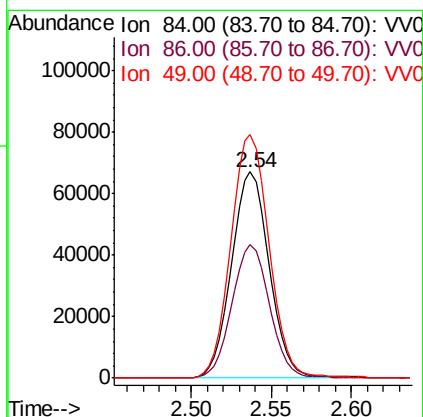
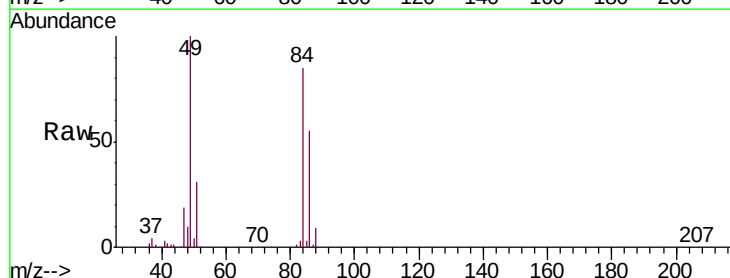
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

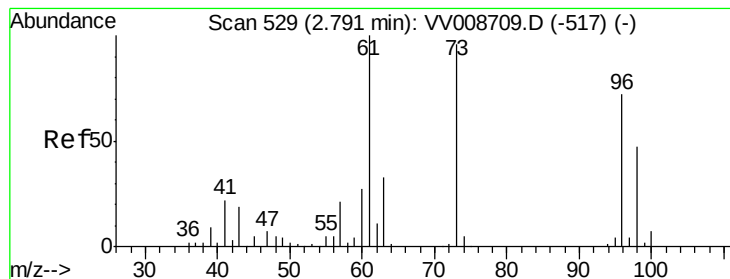
Tgt Ion: 43 Resp: 116568
Ion Ratio Lower Upper
43 100
74 23.4 19.0 28.6



#16
Methylene chloride
Concen: 48.978 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008724.D
Acq: 26 Nov 2018 20:14

Tgt Ion: 84 Resp: 107507
Ion Ratio Lower Upper
84 100
86 64.6 50.6 94.0
49 118.1 86.5 160.7





#17

trans-1,2-Dichloroethene

Concen: 49.349 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

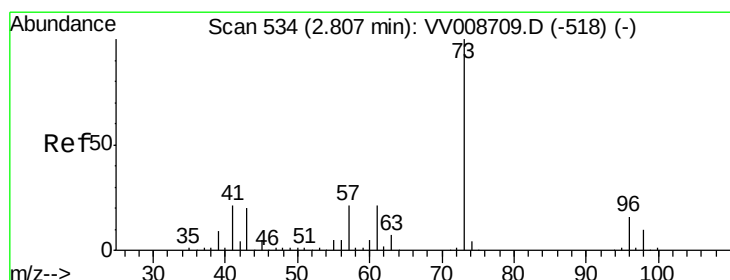
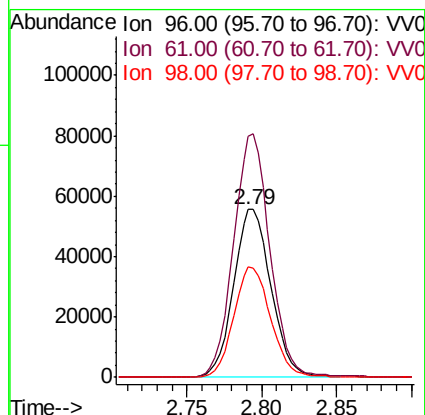
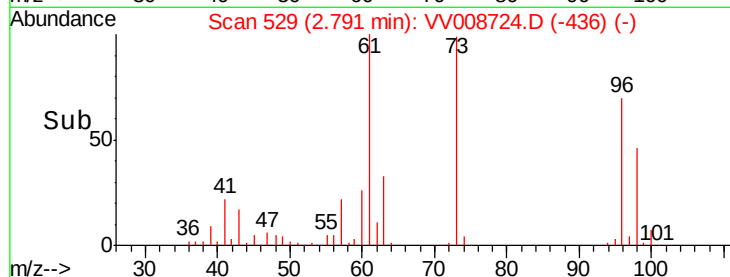
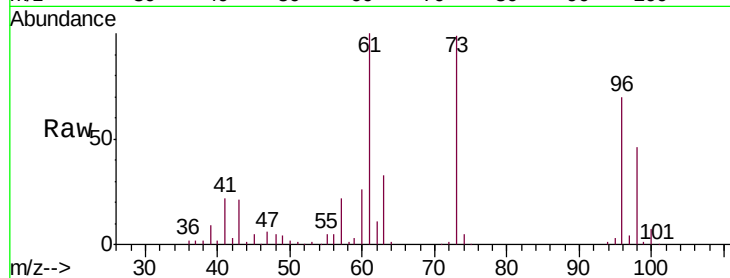
Tgt Ion: 96 Resp: 97000

Ion Ratio Lower Upper

96 100

61 143.4 100.4 186.4

98 65.7 39.5 73.3



#18

Methyl tert-butyl Ether

Concen: 49.384 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

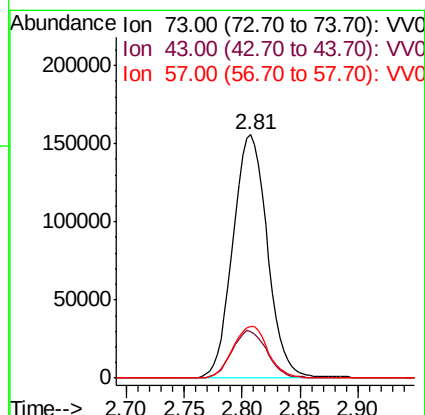
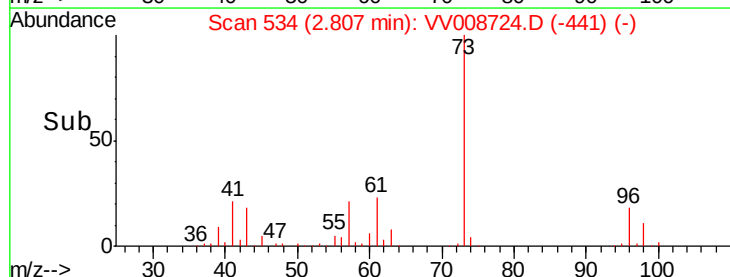
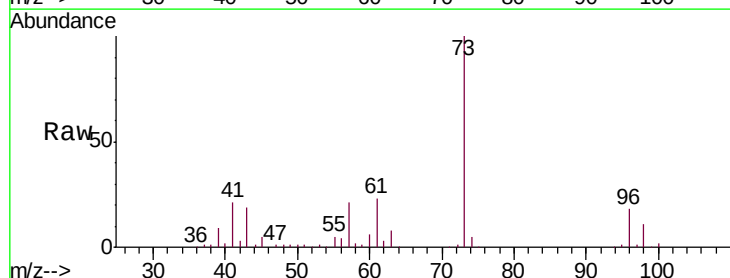
Tgt Ion: 73 Resp: 322383

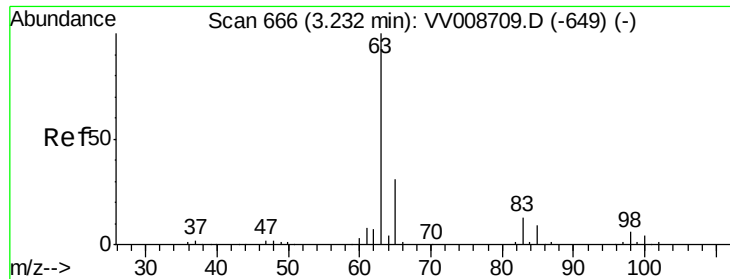
Ion Ratio Lower Upper

73 100

43 19.5 16.5 24.7

57 21.7 17.7 26.5

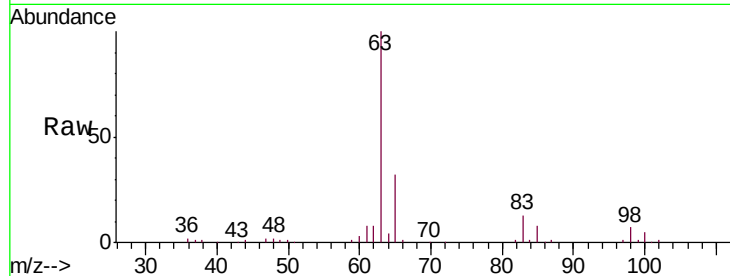




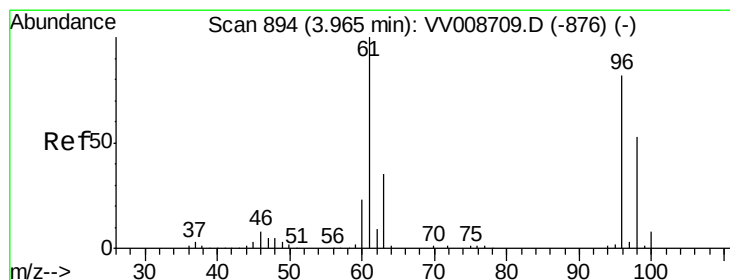
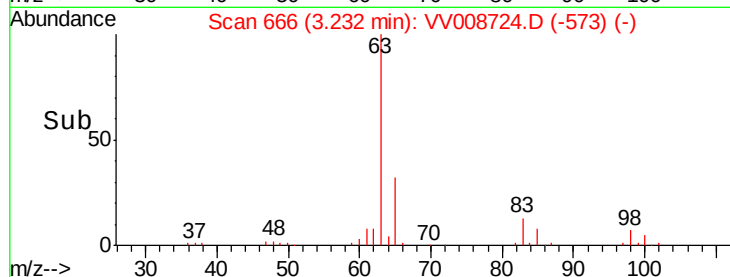
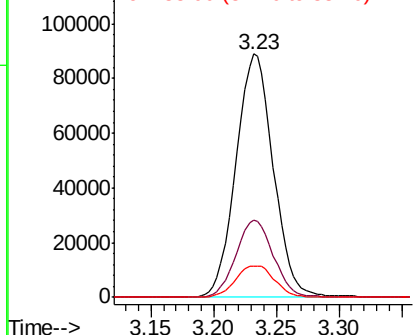
#19
 1,1-Dichloroethane
 Concen: 48.893 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008724.D
 Acq: 26 Nov 2018 20:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tgt Ion: 63 Resp: 184368
 Ion Ratio Lower Upper
 63 100
 65 31.5 20.9 38.9
 83 13.0 9.9 18.5

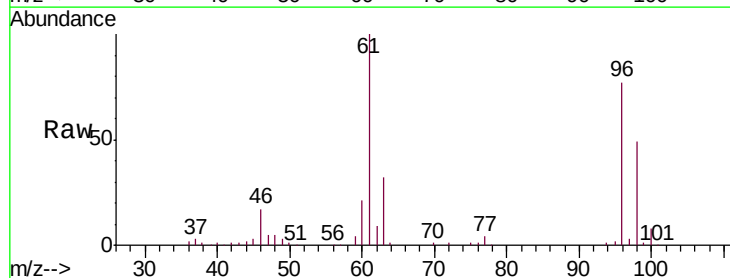


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

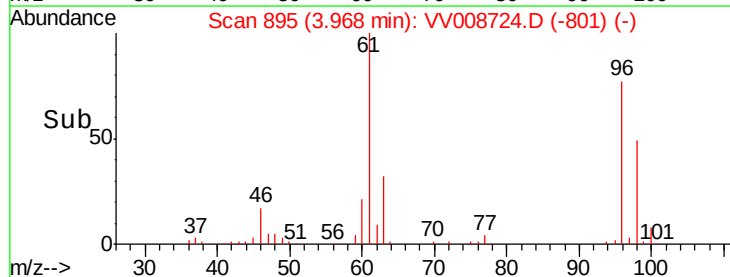
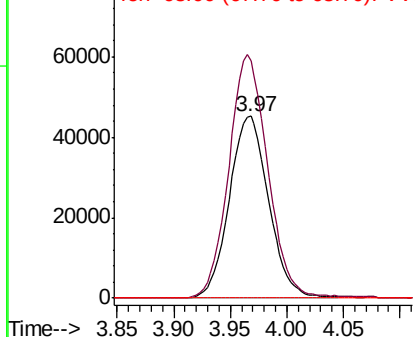


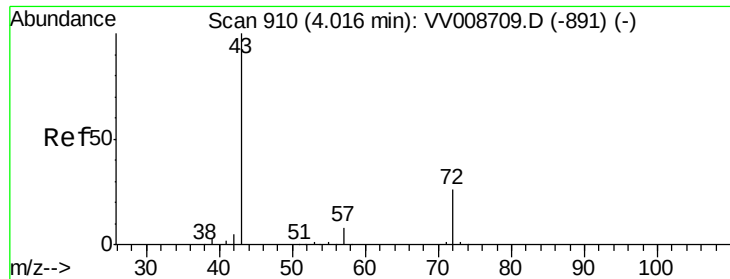
#20
 cis-1,2-Dichloroethene
 Concen: 48.684 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008724.D
 Acq: 26 Nov 2018 20:14

Tgt Ion: 96 Resp: 109418
 Ion Ratio Lower Upper
 96 100
 61 130.4 78.8 146.3
 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: 79.554 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

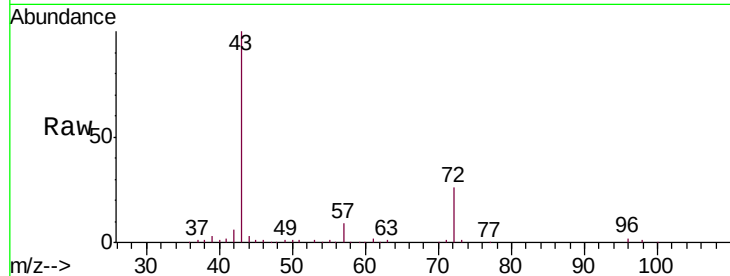
VSTD05079

Tgt Ion: 43 Resp: 159977

Ion Ratio Lower Upper

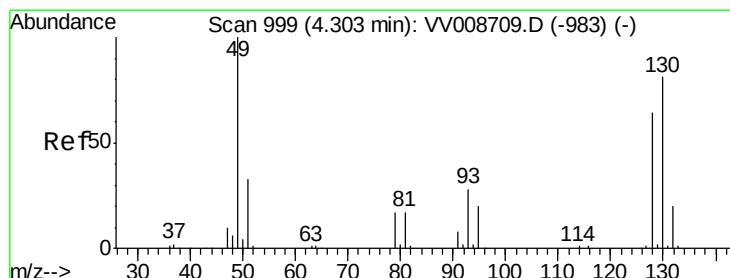
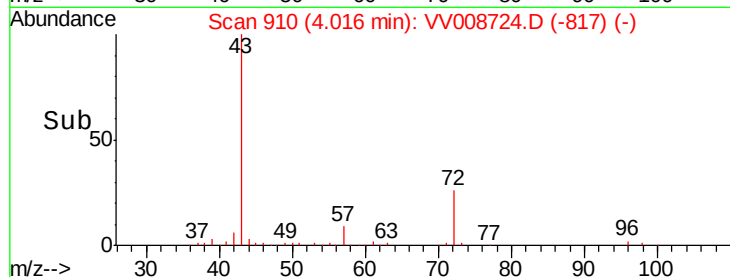
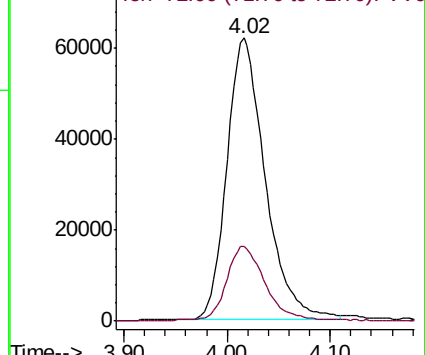
43 100

72 25.6 11.6 34.8



Abundance Ion 43.00 (42.70 to 43.70): VV008709.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV008709.D (-891) (-)



#23

Bromochloromethane

Concen: 50.563 ug/L

RT: 4.30 min Scan# 999

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Tgt Ion: 128 Resp: 54727

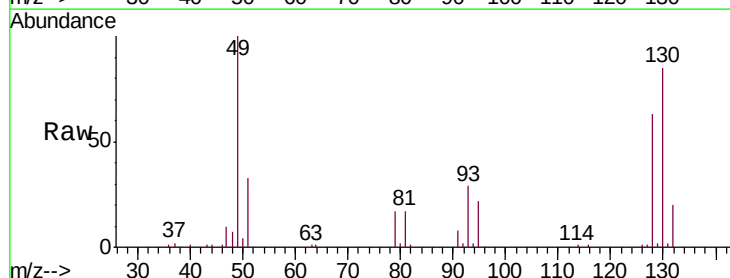
Ion Ratio Lower Upper

128 100

49 160.0 97.0 180.2

130 135.6 81.0 150.4

51 53.4 36.8 55.2

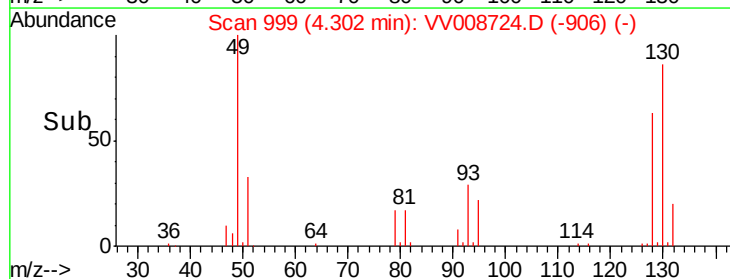
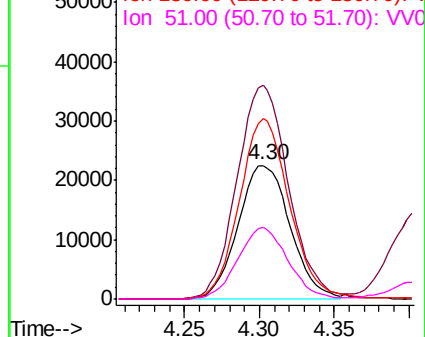


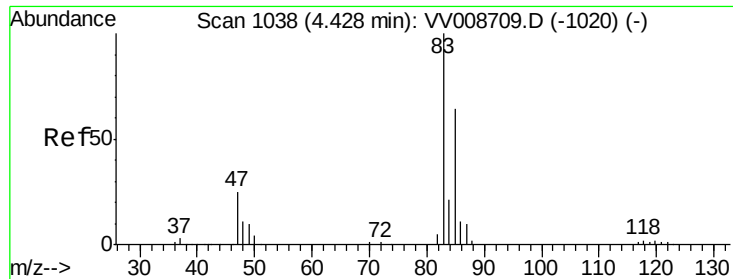
Abundance Ion 128.00 (127.70 to 128.70): VV008709.D (-983) (-)

Ion 49.00 (48.70 to 49.70): VV008709.D (-983) (-)

Ion 130.00 (129.70 to 130.70): VV008709.D (-983) (-)

Ion 51.00 (50.70 to 51.70): VV008709.D (-983) (-)

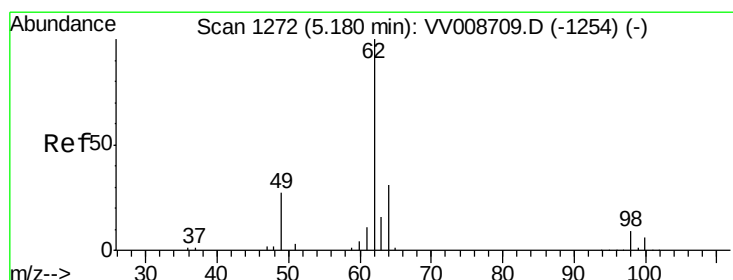
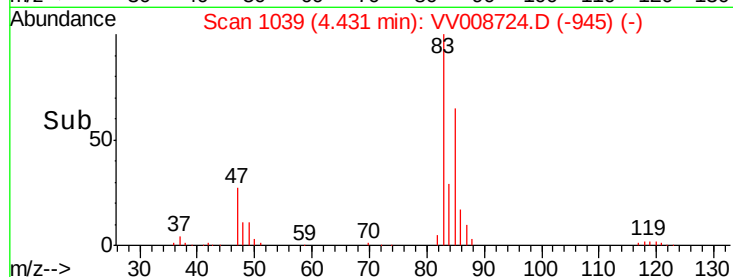
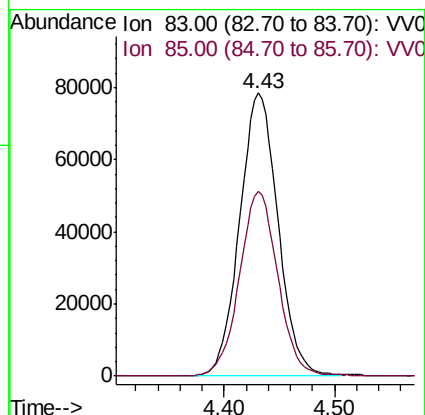
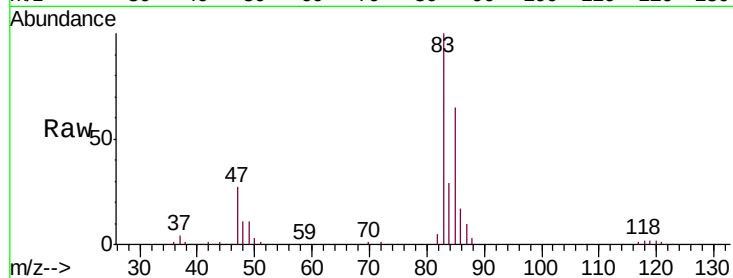




#25
Chloroform
Concen: 48.189 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008724.D
Acq: 26 Nov 2018 20:14

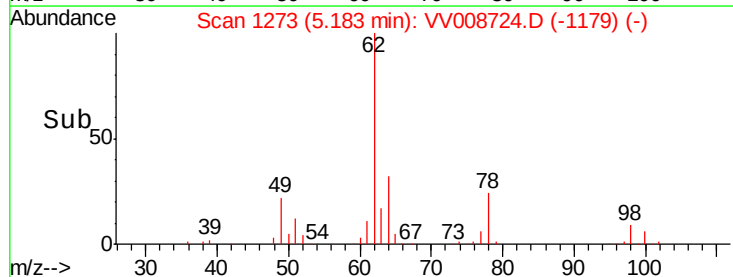
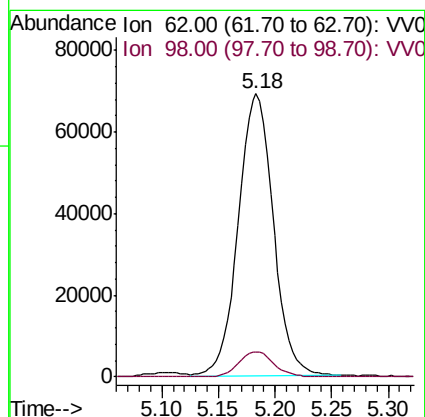
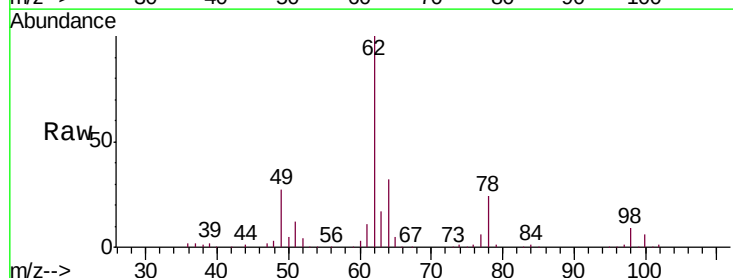
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

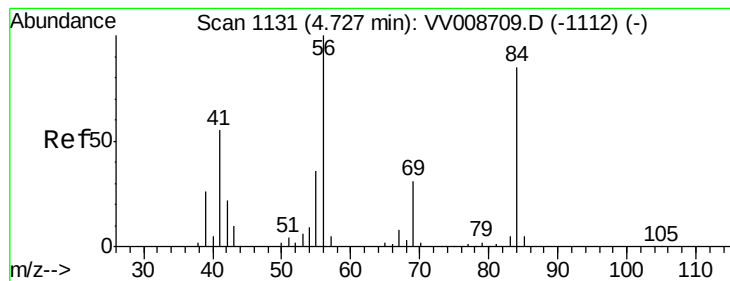
Tgt Ion: 83 Resp: 189135
Ion Ratio Lower Upper
83 100
85 65.3 42.8 79.4



#27
1,2-Dichloroethane
Concen: 49.081 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008724.D
Acq: 26 Nov 2018 20:14

Tgt Ion: 62 Resp: 149233
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.2





#29

Cyclohexane

Concen: 47.681 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

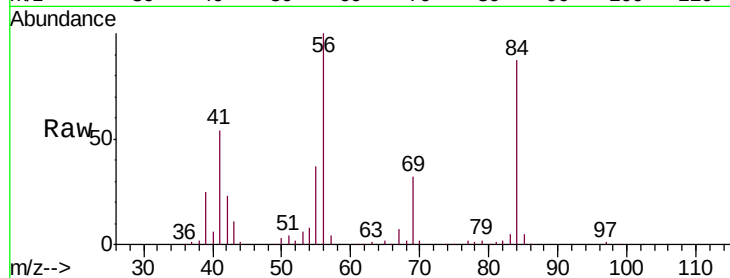
Tgt Ion: 56 Resp: 167794

Ion Ratio Lower Upper

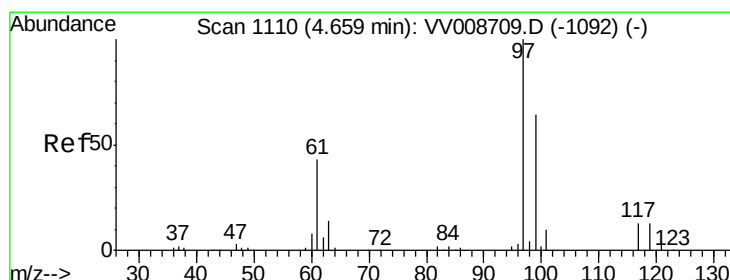
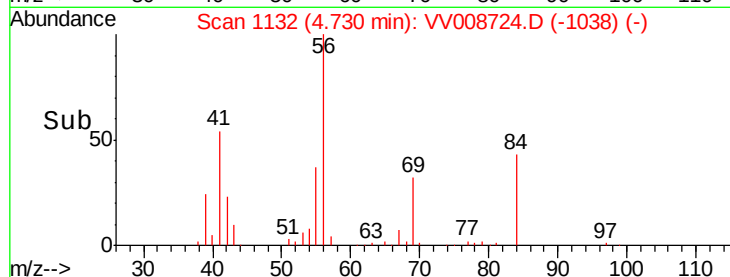
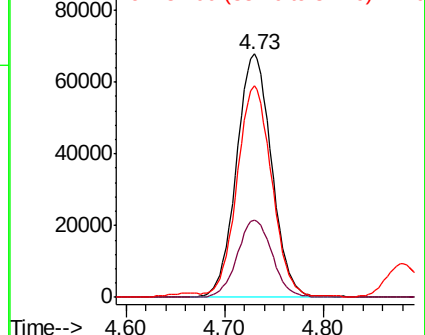
56 100

69 31.5 0.0 0.0#

84 85.9 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: 50.323 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

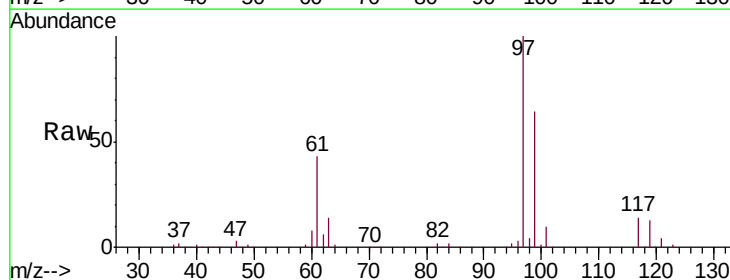
Tgt Ion: 97 Resp: 161540

Ion Ratio Lower Upper

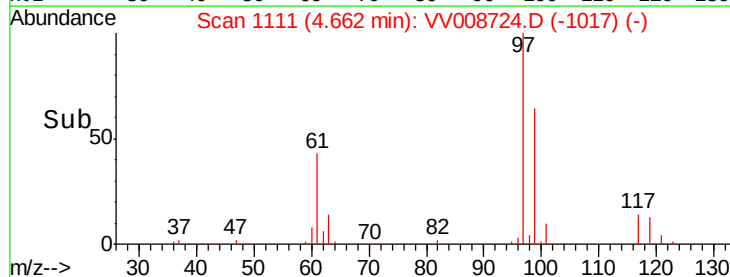
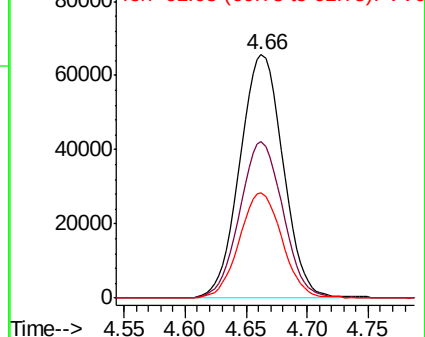
97 100

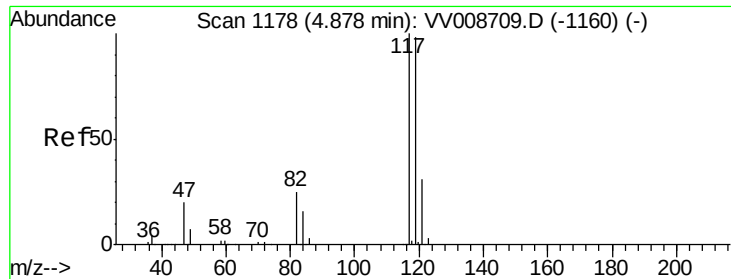
99 64.0 53.0 79.6

61 43.0 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: 51.270 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

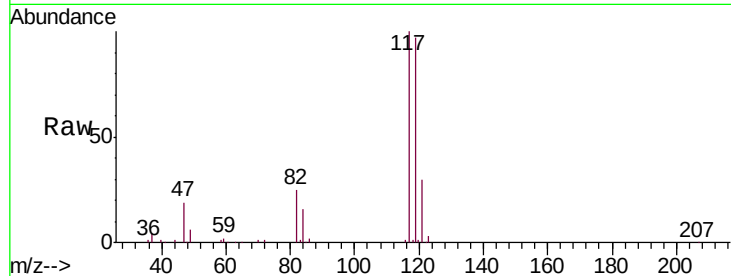
VSTD05079

Tgt Ion:117 Resp: 136866

Ion Ratio Lower Upper

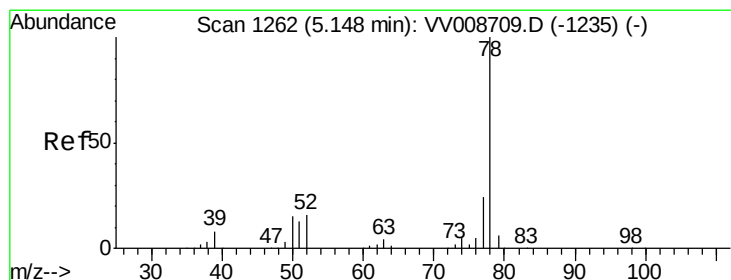
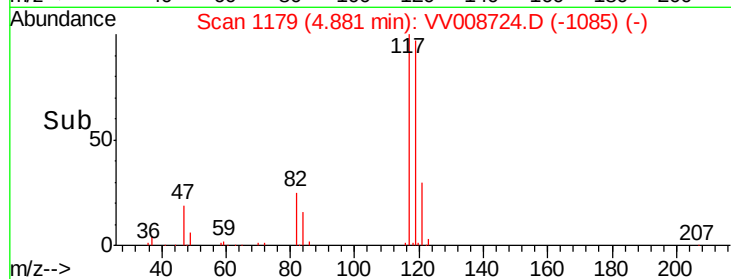
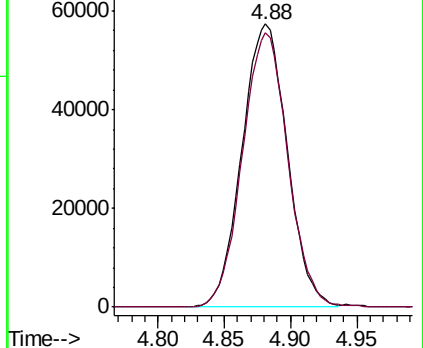
117 100

119 96.8 75.6 113.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.762 ug/L

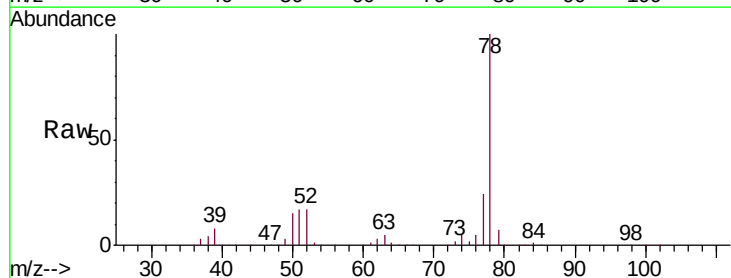
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

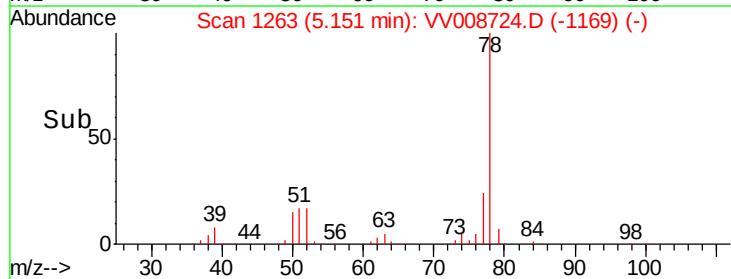
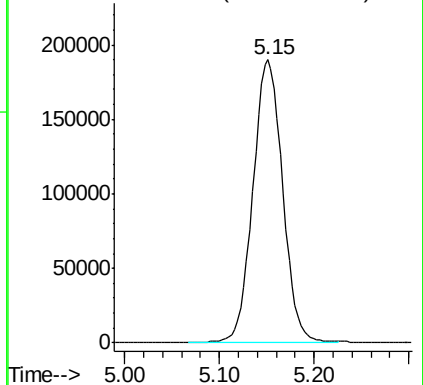
Lab File: VV008724.D

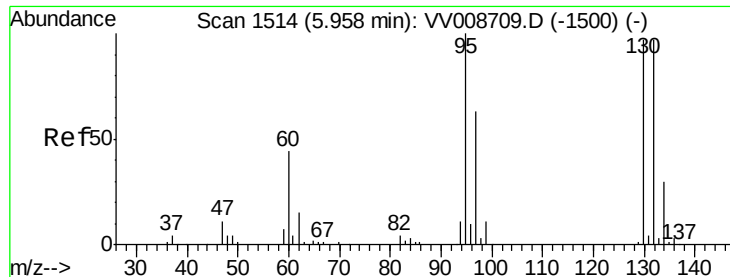
Acq: 26 Nov 2018 20:14

Tgt Ion: 78 Resp: 415598



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 49.040 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

Tgt Ion: 95 Resp: 108542

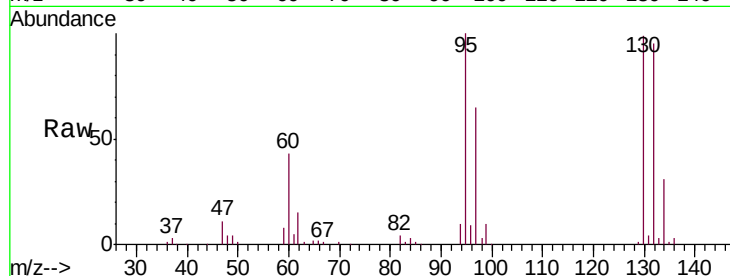
Ion Ratio Lower Upper

95 100

97 65.1 43.8 81.3

132 94.7 58.3 108.3

130 99.2 60.3 112.1

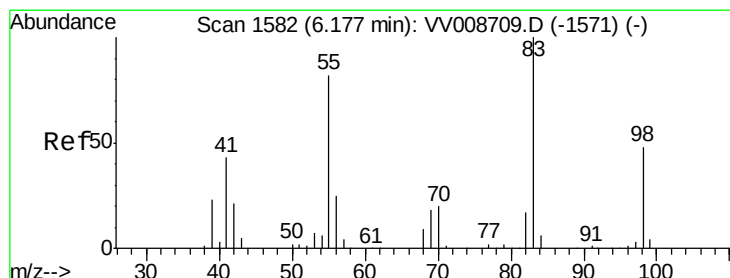
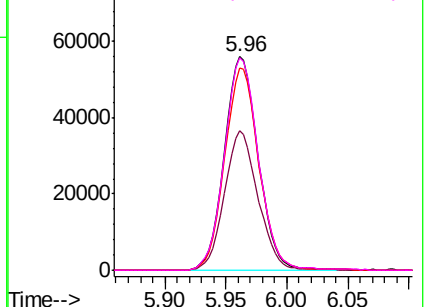
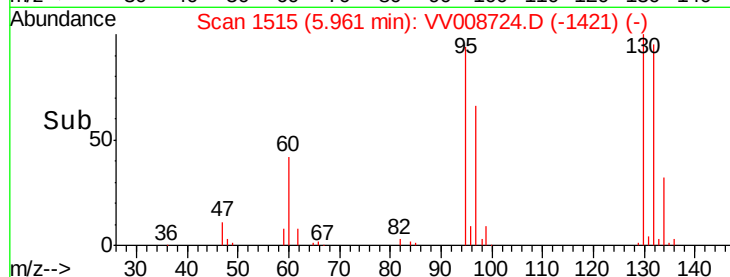


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 48.866 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

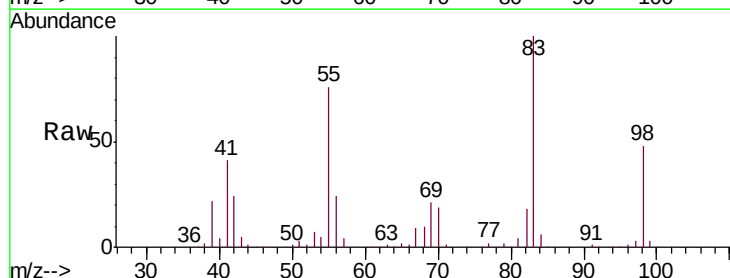
Tgt Ion: 83 Resp: 178590

Ion Ratio Lower Upper

83 100

55 75.1 63.0 94.6

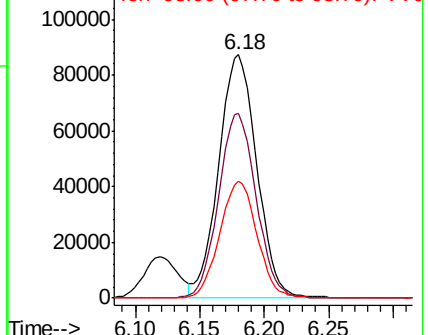
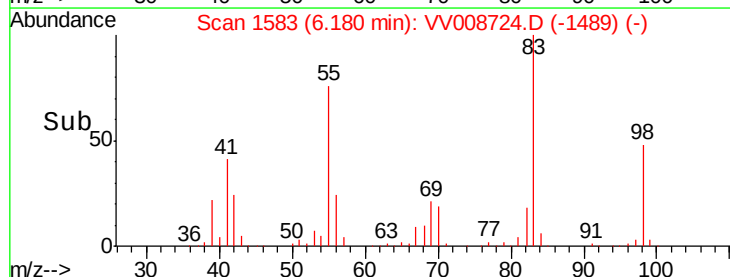
98 47.3 35.4 53.0

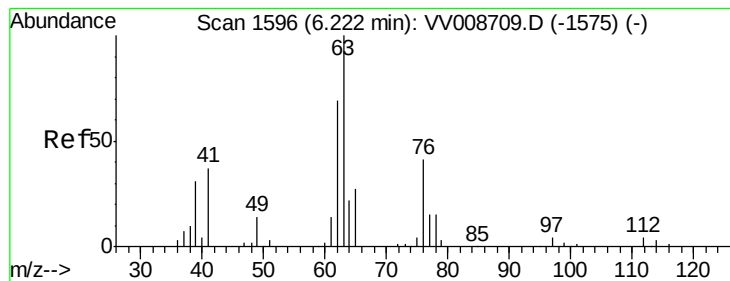


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 48.194 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

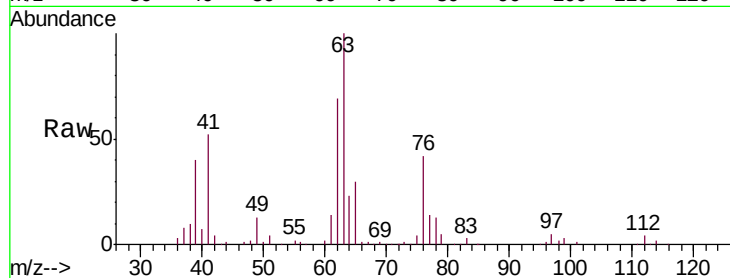
VSTD05079

Tgt Ion: 63 Resp: 108718

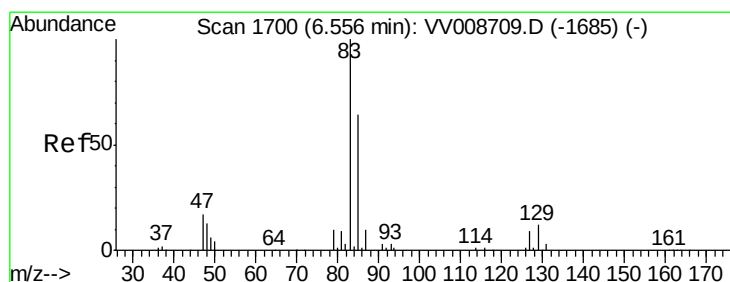
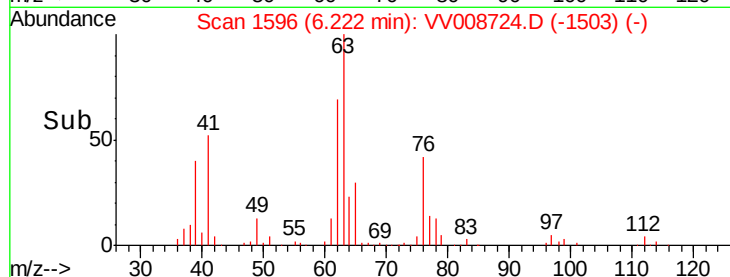
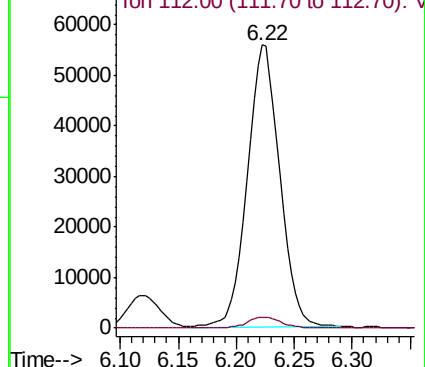
Ion Ratio Lower Upper

63 100

112 4.1 1.6 2.4#



Abundance Ion 63.00 (62.70 to 63.70): VV008709.D (-1575) (-)



#38

Bromodichloromethane

Concen: 48.729 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

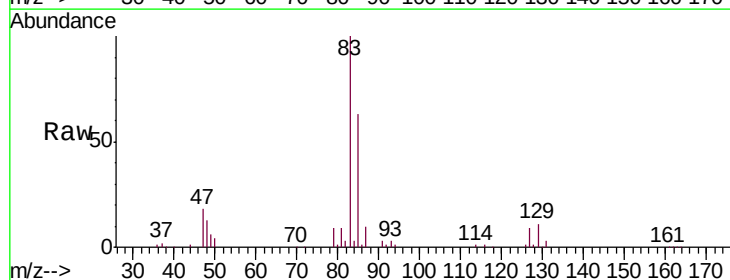
Tgt Ion: 83 Resp: 131728

Ion Ratio Lower Upper

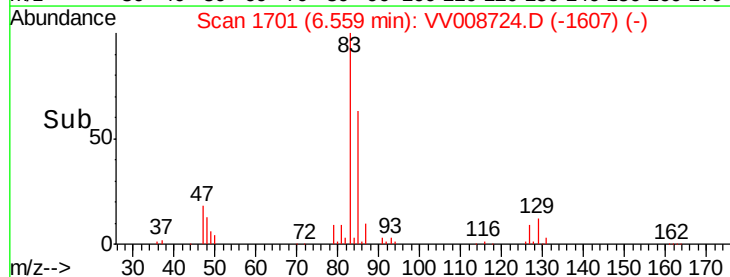
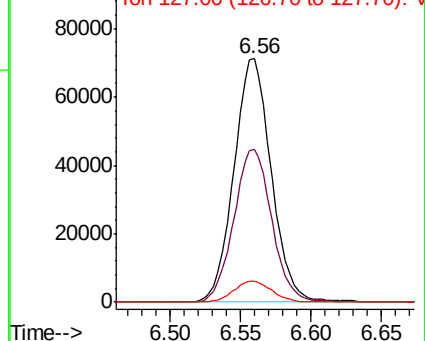
83 100

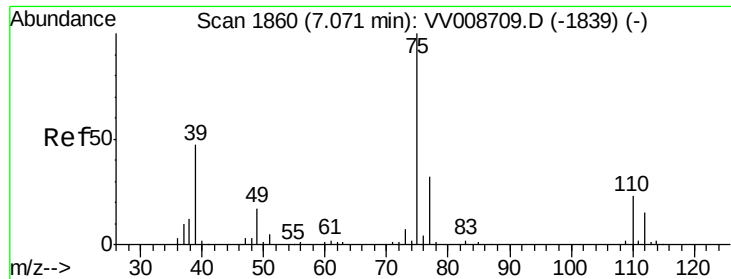
85 62.8 44.3 82.3

127 8.6 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VV008709.D (-1685) (-)

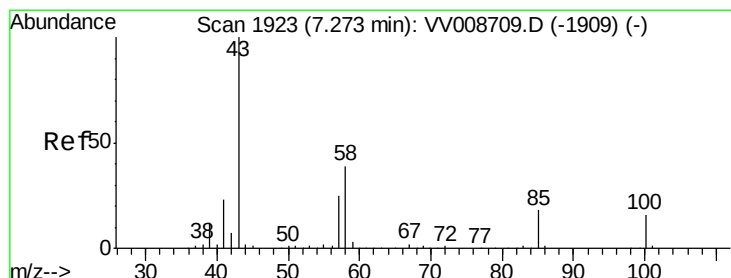
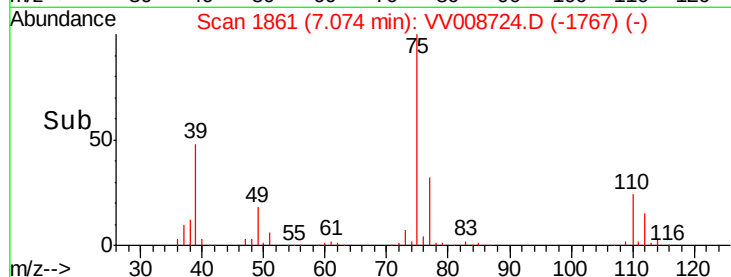
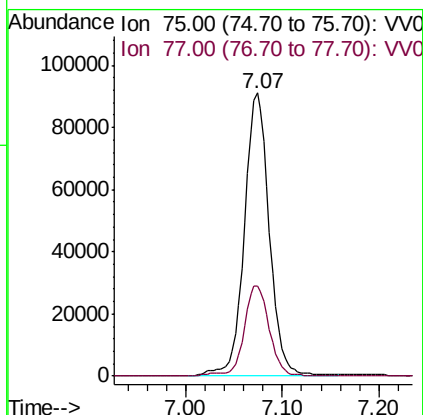
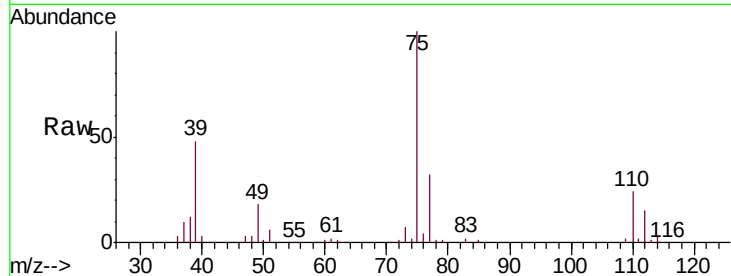




#39
 cis-1,3-Dichloropropene
 Concen: 51.017 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008724.D
 Acq: 26 Nov 2018 20:14

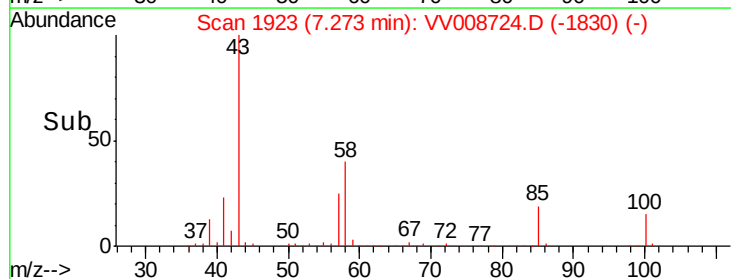
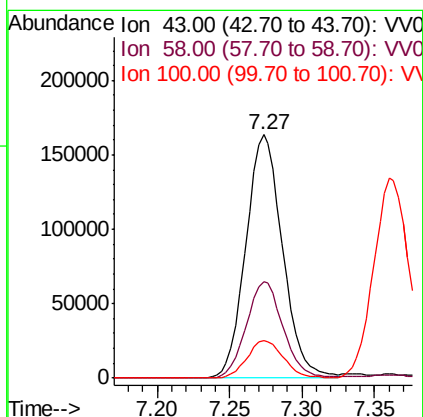
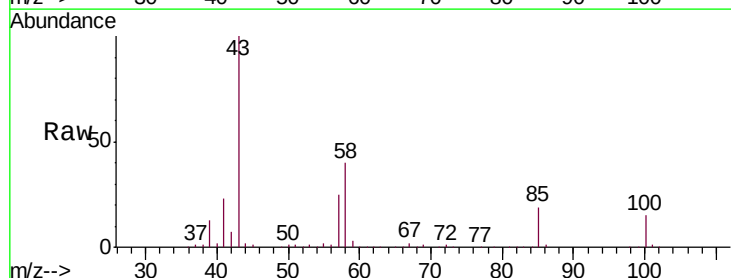
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

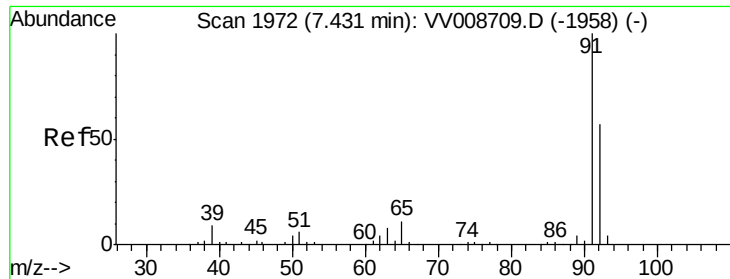
Tgt Ion: 75 Resp: 163566
 Ion Ratio Lower Upper
 75 100
 77 32.0 20.2 37.4



#40
 4-Methyl-2-pentanone
 Concen: 90.892 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV008724.D
 Acq: 26 Nov 2018 20:14

Tgt Ion: 43 Resp: 287943
 Ion Ratio Lower Upper
 43 100
 58 40.0 28.3 42.5
 100 15.5 10.4 15.6





#42

Toluene

Concen: 50.604 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

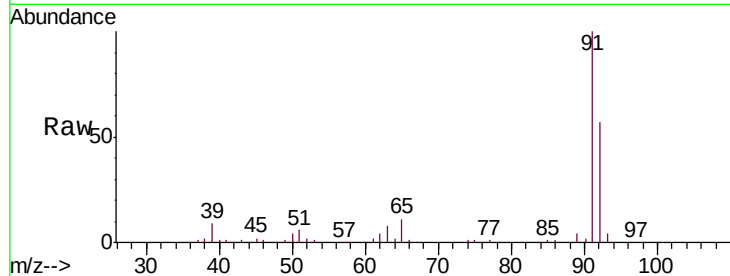
VSTD05079

Tgt Ion: 91 Resp: 439509

Ion Ratio Lower Upper

91 100

92 57.5 41.6 77.2



Abundance Ion 91.00 (90.70 to 91.70): VV008709.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV008709.D (-1958) (-)

7.43

250000

200000

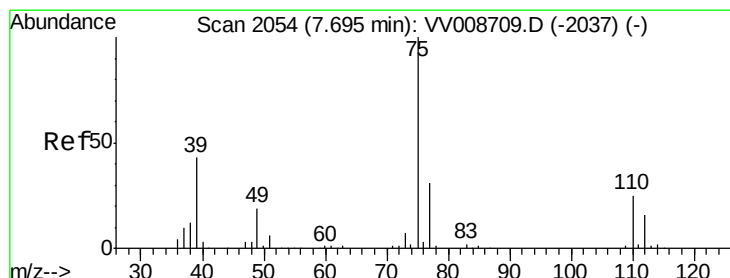
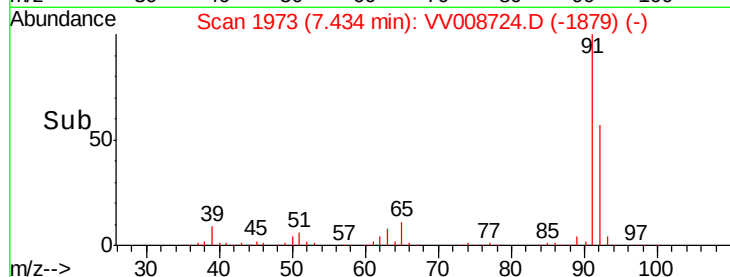
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.684 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008724.D

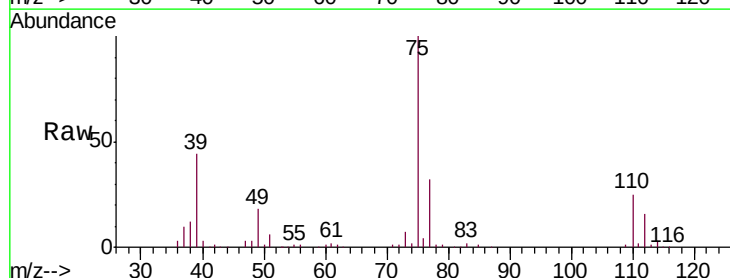
Acq: 26 Nov 2018 20:14

Tgt Ion: 75 Resp: 150737

Ion Ratio Lower Upper

75 100

77 32.2 24.6 45.8



Abundance Ion 75.00 (74.70 to 75.70): VV008709.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008709.D (-2037) (-)

7.70

100000

80000

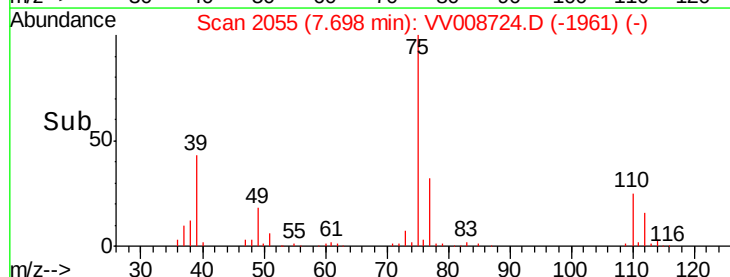
60000

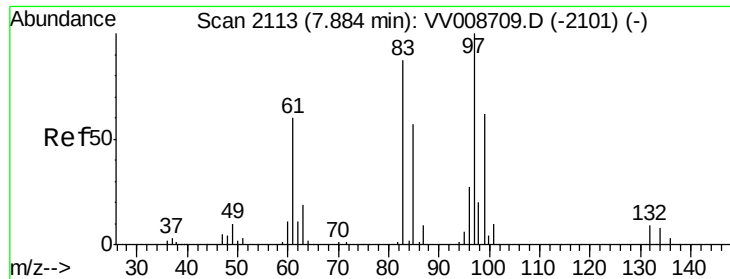
40000

20000

0

Time-->

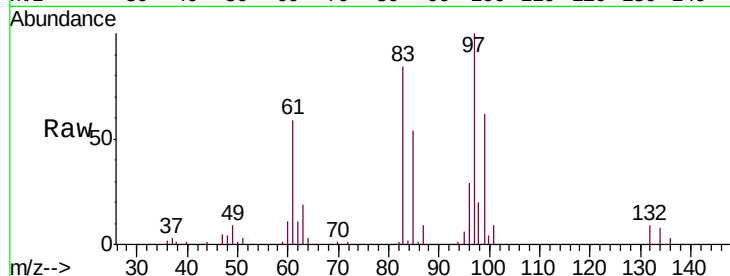




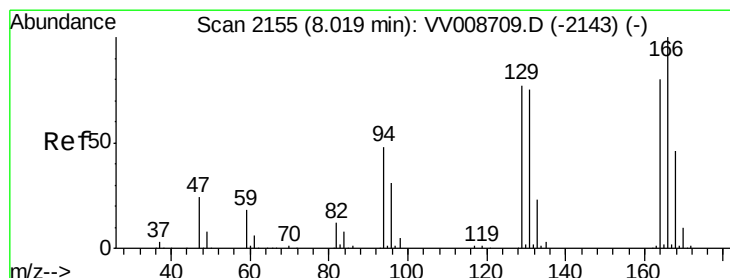
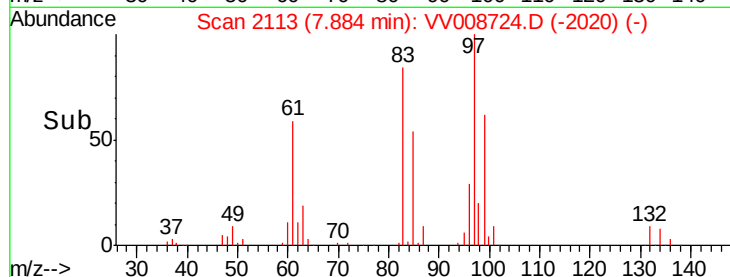
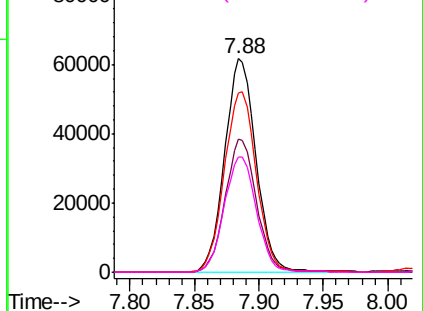
#45
 1,1,2-Trichloroethane
 Concen: 50.593 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV008724.D
 Acq: 26 Nov 2018 20:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tgt Ion:	97	Resp:	104152
Ion	Ratio	Lower	Upper
97	100		
99	62.3	40.0	74.2
83	84.2	56.6	105.0
85	54.0	35.1	65.3

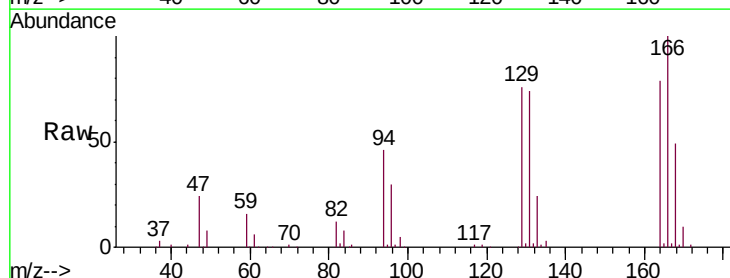


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

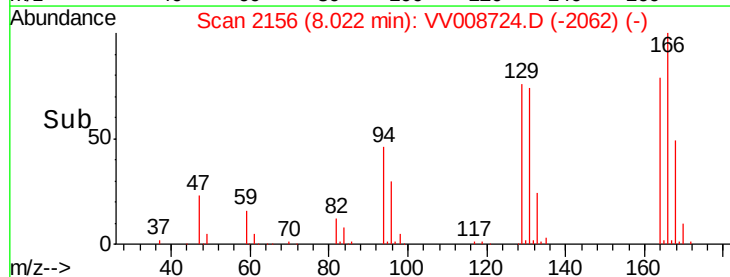
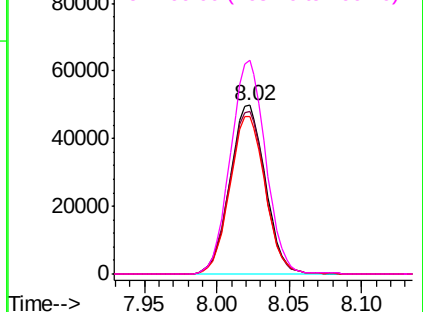


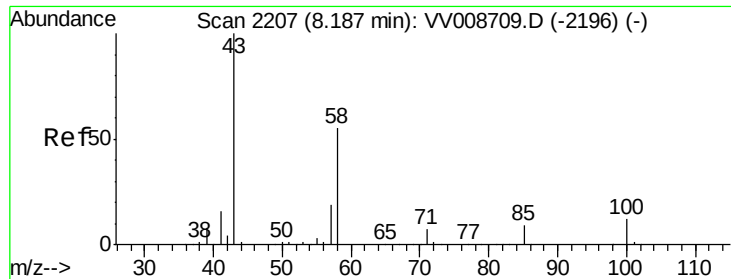
#46
 Tetrachloroethene
 Concen: 52.838 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008724.D
 Acq: 26 Nov 2018 20:14

Tgt Ion:	164	Resp:	84469
Ion	Ratio	Lower	Upper
164	100		
129	96.6	68.3	126.8
131	93.5	69.1	128.3
166	126.8	90.7	168.5



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

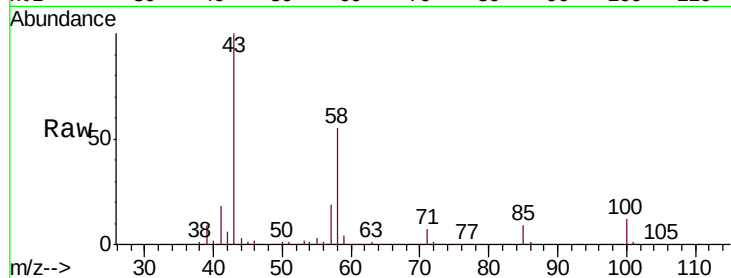




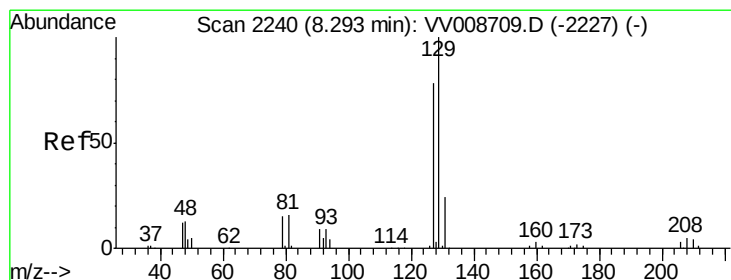
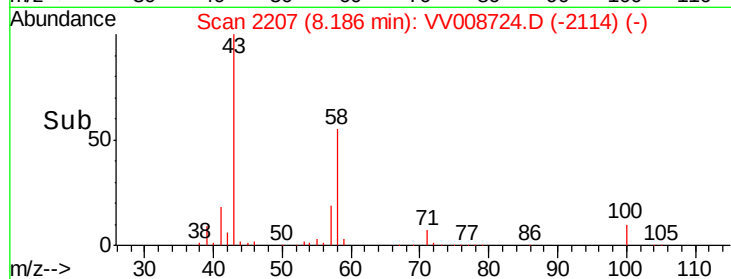
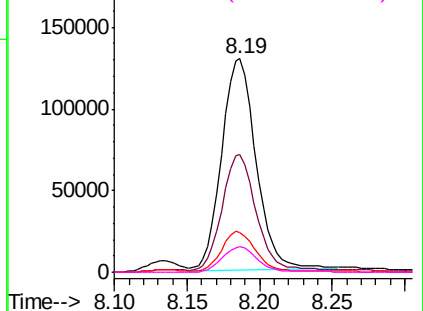
#48
2-Hexanone
Concen: 85.389 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV008724.D
Acq: 26 Nov 2018 20:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Tgt Ion:	43	Resp:	212068
Ion	Ratio	Lower	Upper
43	100		
58	55.0	41.4	62.0
57	18.6	17.1	25.7
100	12.3	9.2	13.8

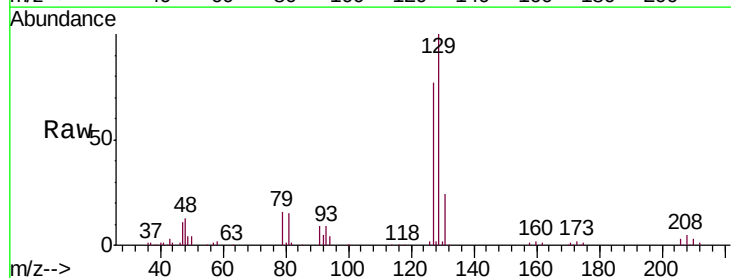


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

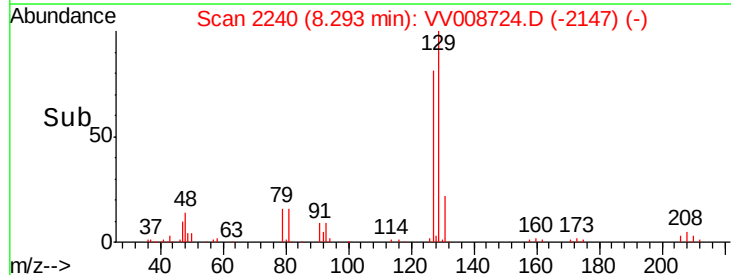
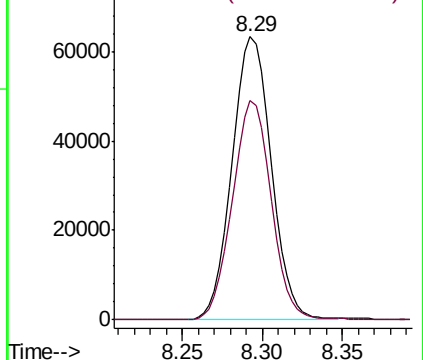


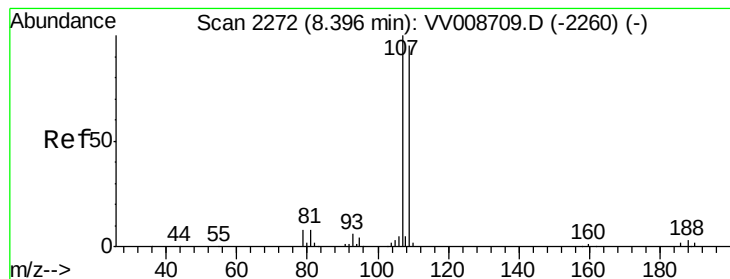
#49
Dibromochloromethane
Concen: 51.820 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008724.D
Acq: 26 Nov 2018 20:14

Tgt Ion:	129	Resp:	105973
Ion	Ratio	Lower	Upper
129	100		
127	77.4	58.2	108.0



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





#50

1,2-Dibromoethane

Concen: 51.307 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

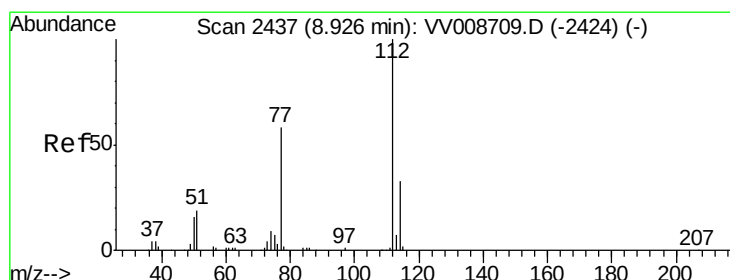
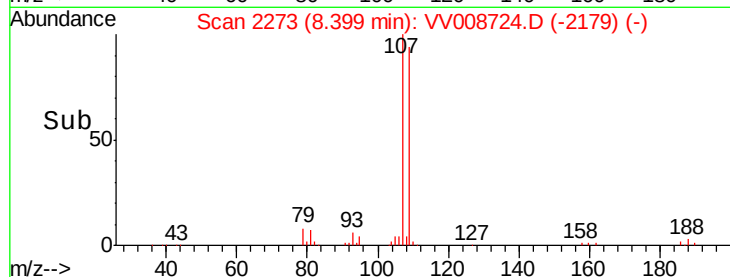
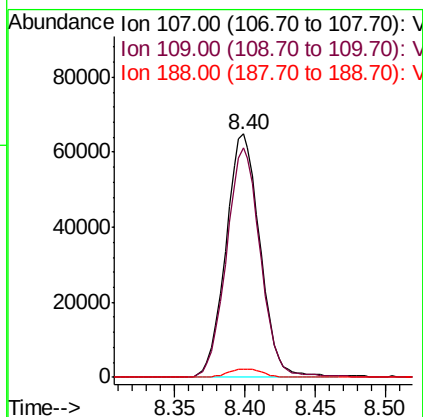
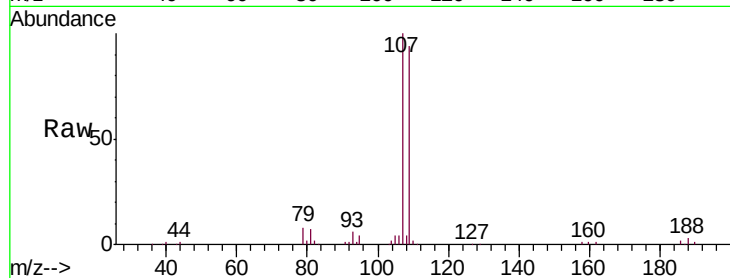
Tgt Ion:107 Resp: 110000

Ion Ratio Lower Upper

107 100

109 94.1 64.8 120.3

188 3.5 2.2 3.4#



#51

Chlorobenzene

Concen: 53.561 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

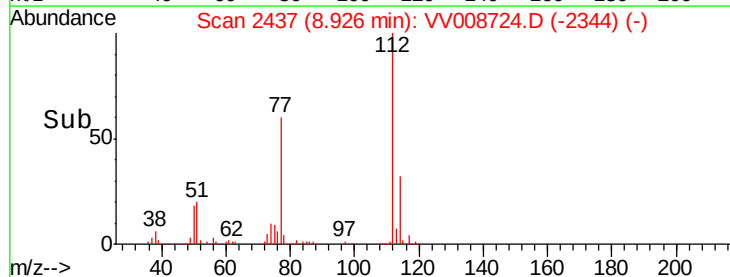
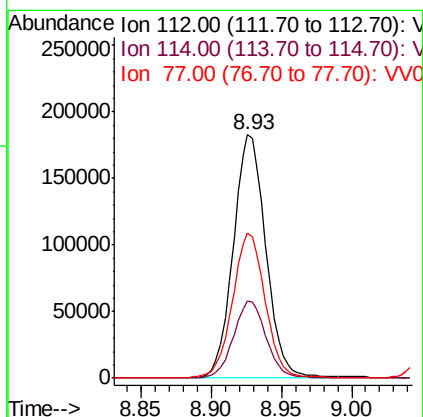
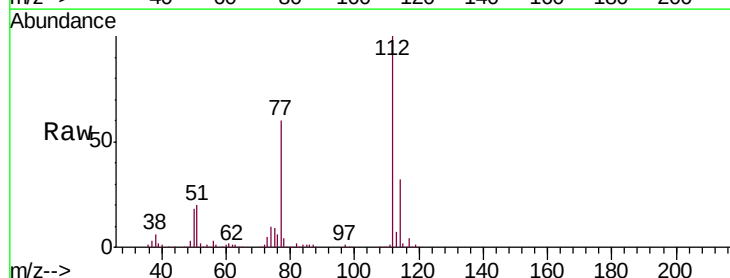
Tgt Ion:112 Resp: 295965

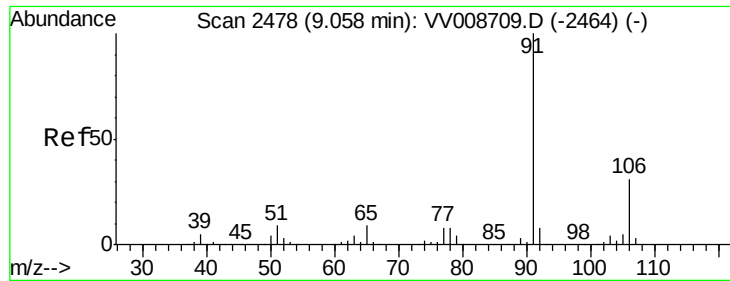
Ion Ratio Lower Upper

112 100

114 31.6 22.9 42.5

77 59.6 53.8 80.6





#52

Ethylbenzene

Concen: 50.776 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

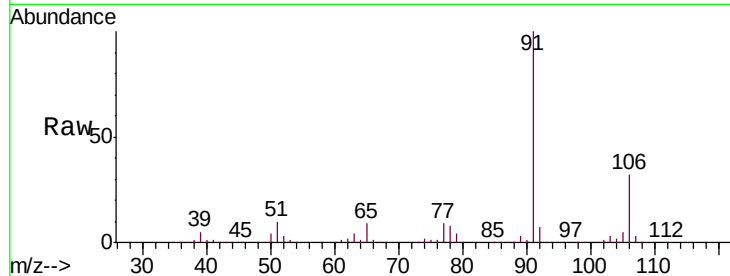
VSTD05079

Tgt Ion: 91 Resp: 483862

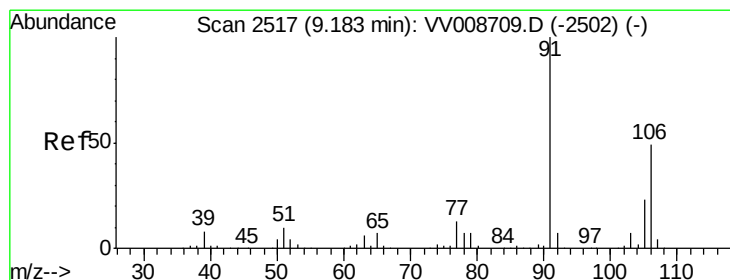
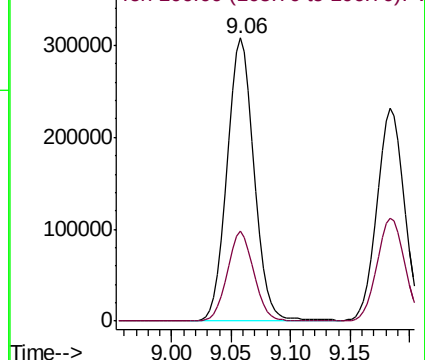
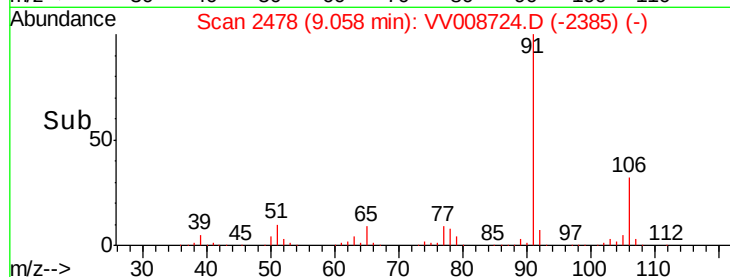
Ion Ratio Lower Upper

91 100

106 31.6 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VV008724.D (-2385) (-)



#53

m,p-Xylene

Concen: 51.954 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008724.D

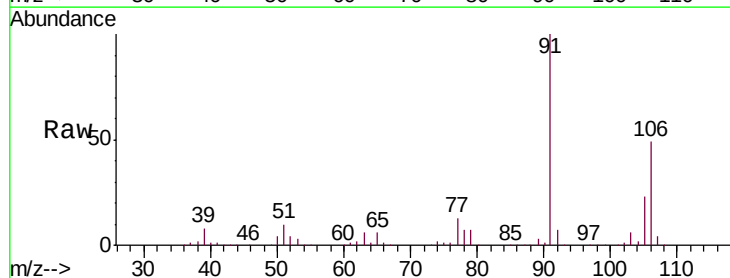
Acq: 26 Nov 2018 20:14

Tgt Ion: 106 Resp: 181927

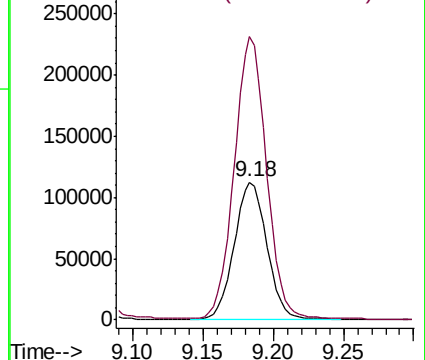
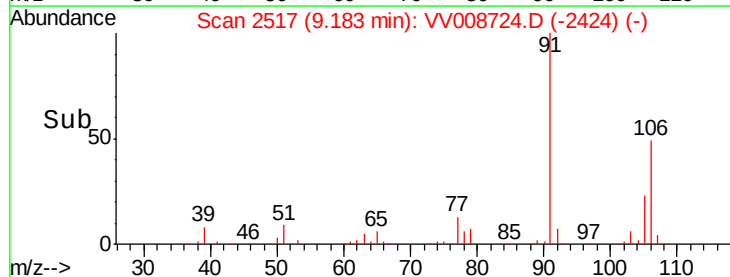
Ion Ratio Lower Upper

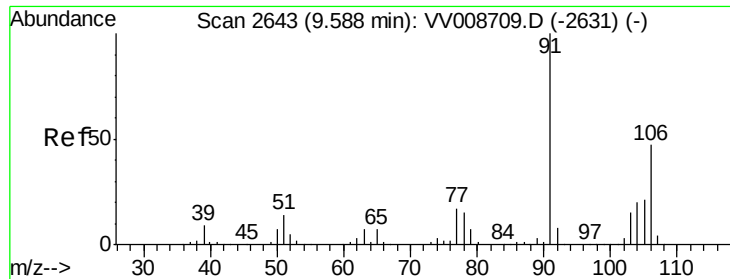
106 100

91 205.3 154.7 287.3



Abundance Ion 106.00 (105.70 to 106.70): VV008724.D (-2424) (-)

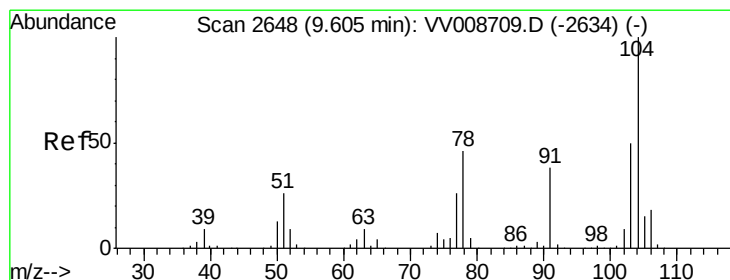
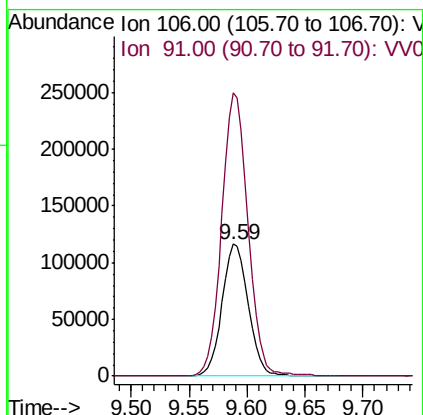
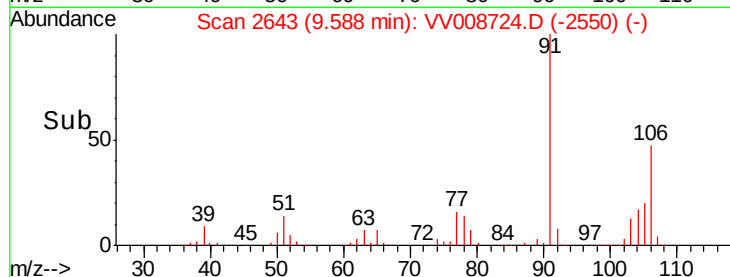
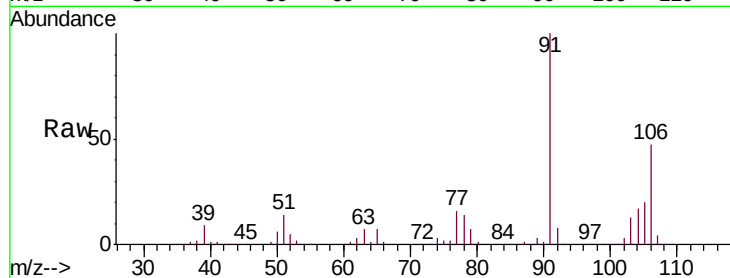




#54
o-xylene
Concen: 52.514 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008724.D
Acq: 26 Nov 2018 20:14

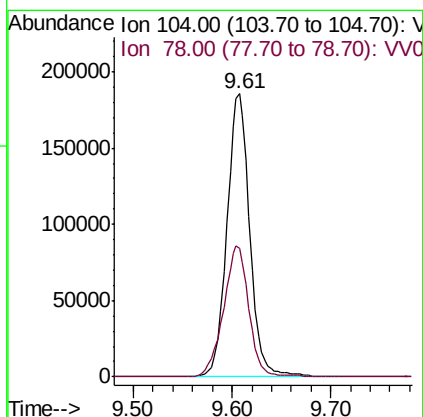
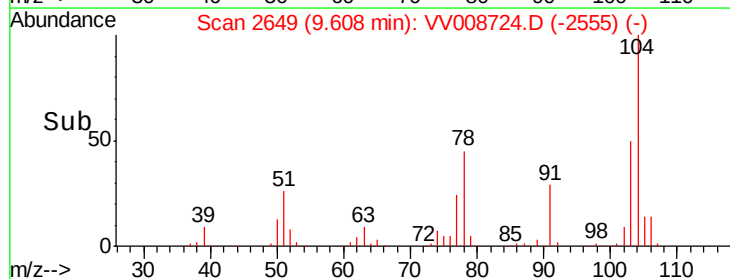
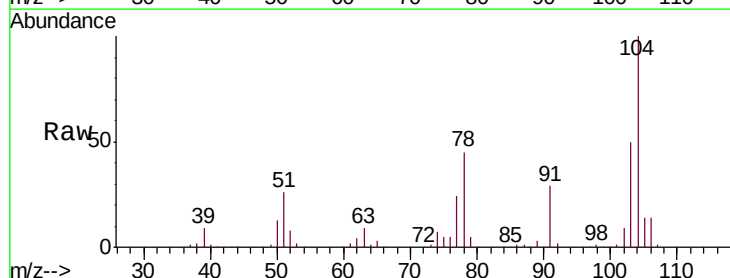
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

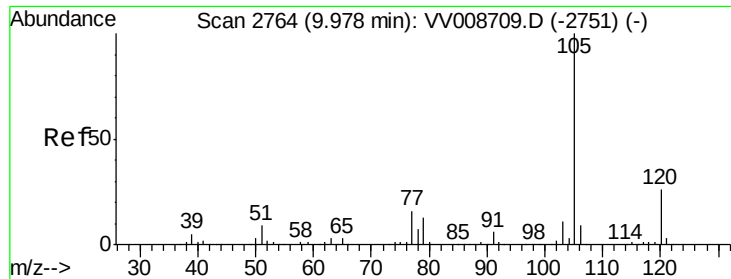
Tgt Ion:106 Resp: 182853
Ion Ratio Lower Upper
106 100
91 214.4 146.7 272.5



#55
Styrene
Concen: 51.773 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008724.D
Acq: 26 Nov 2018 20:14

Tgt Ion:104 Resp: 300648
Ion Ratio Lower Upper
104 100
78 45.4 32.7 60.7





#56

Isopropylbenzene

Concen: 51.962 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

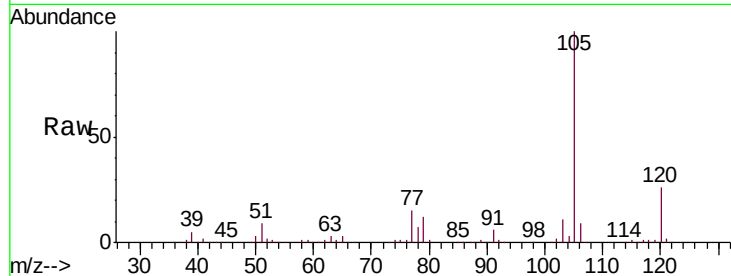
Tgt Ion:105 Resp: 475757

Ion Ratio Lower Upper

105 100

120 26.8 20.5 30.7

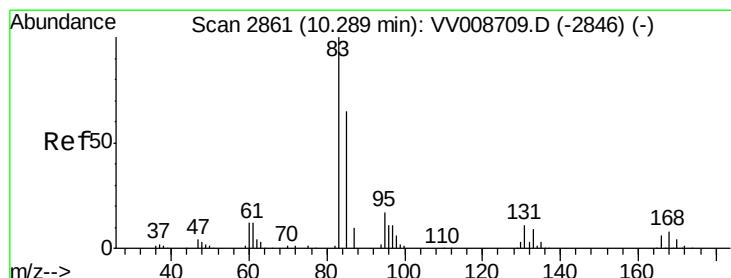
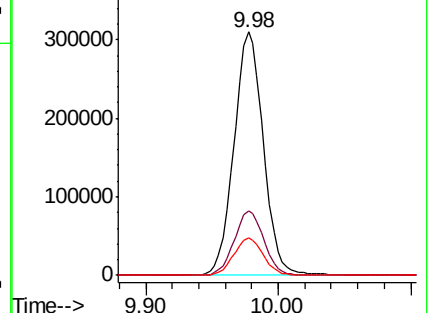
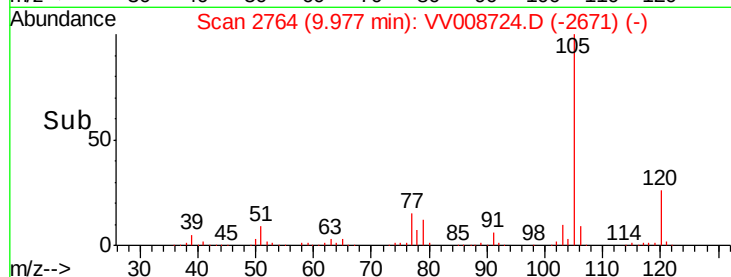
77 15.6 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.235 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

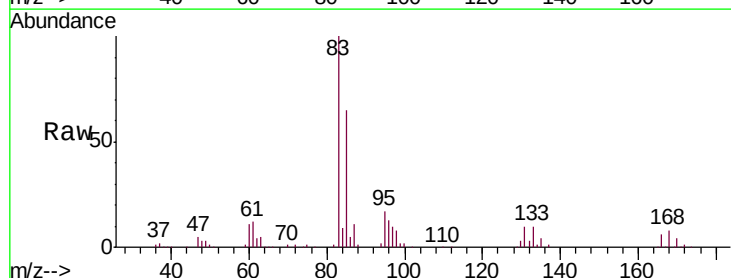
Tgt Ion: 83 Resp: 167975

Ion Ratio Lower Upper

83 100

85 64.5 44.8 83.2

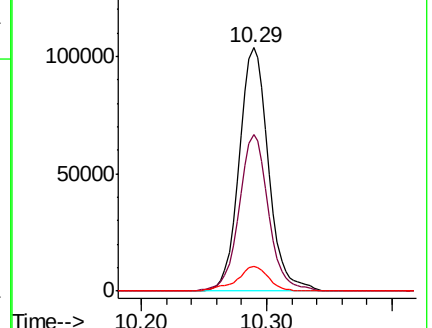
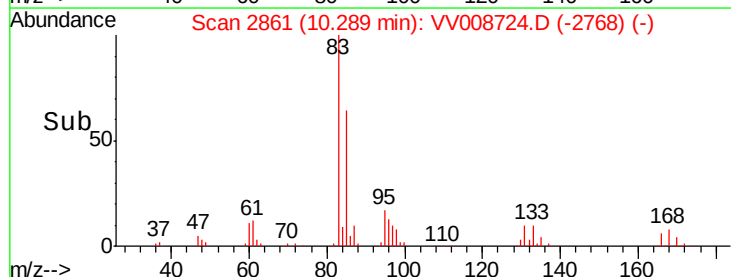
131 10.0 8.1 12.1

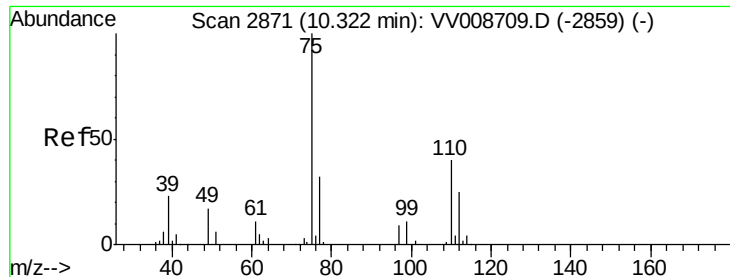


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.710 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

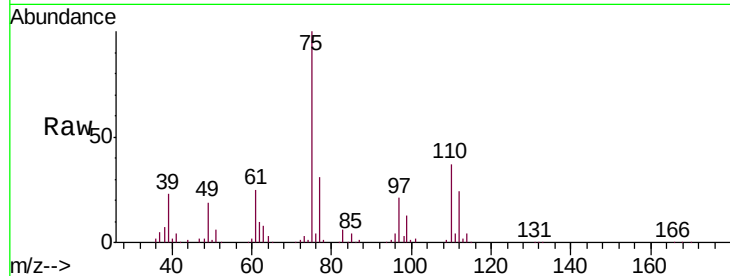
VSTD05079

Tgt Ion: 75 Resp: 136324

Ion Ratio Lower Upper

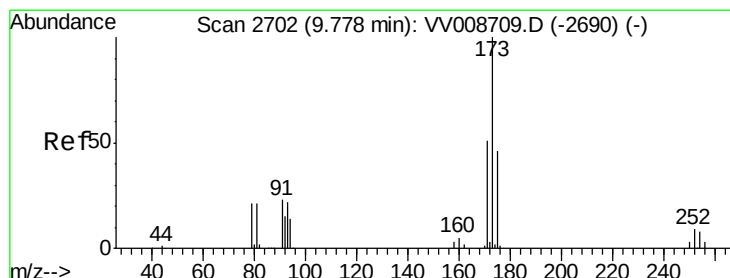
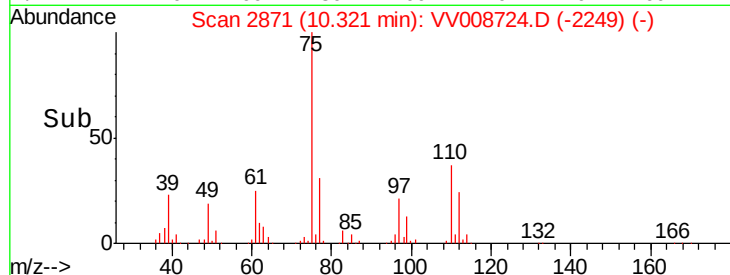
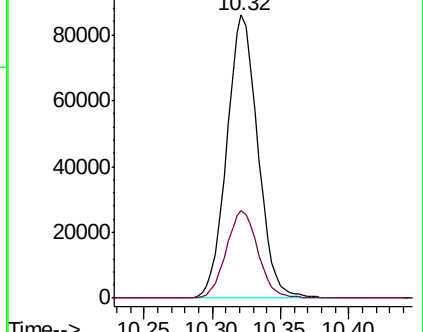
75 100

77 31.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV008709.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008709.D (-2859) (-)



#61

Bromoform

Concen: 50.367 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

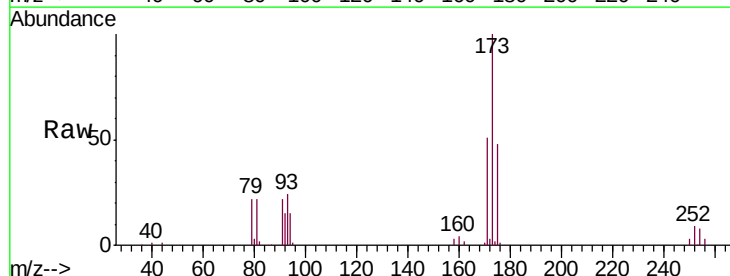
Tgt Ion: 173 Resp: 68857

Ion Ratio Lower Upper

173 100

175 48.3 39.1 58.7

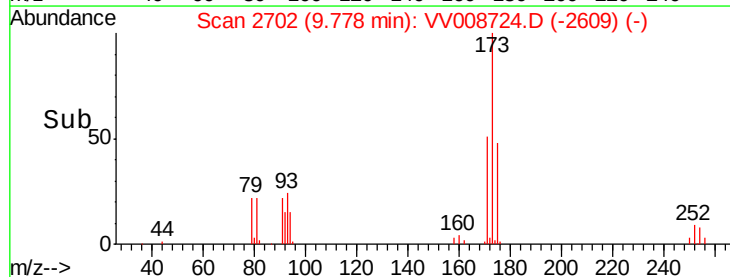
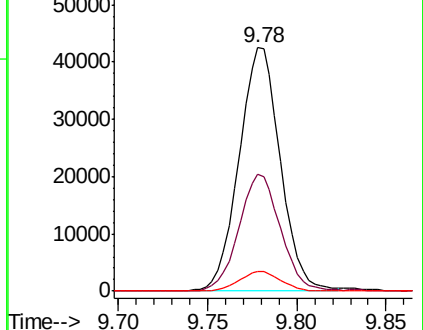
254 8.1 7.0 10.4

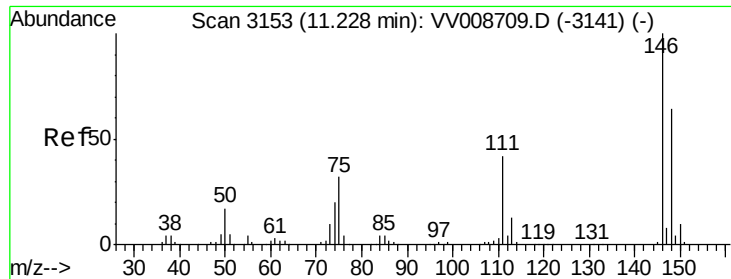


Abundance Ion 173.00 (172.70 to 173.70): VV008709.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV008709.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV008709.D (-2690) (-)





#62

1,3-Dichlorobenzene

Concen: 50.580 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

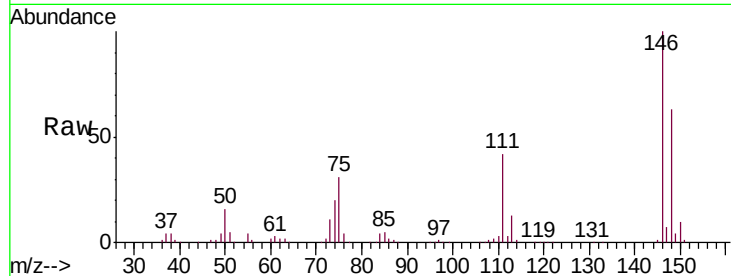
Tgt Ion:146 Resp: 211008

Ion Ratio Lower Upper

146 100

111 42.2 27.9 51.7

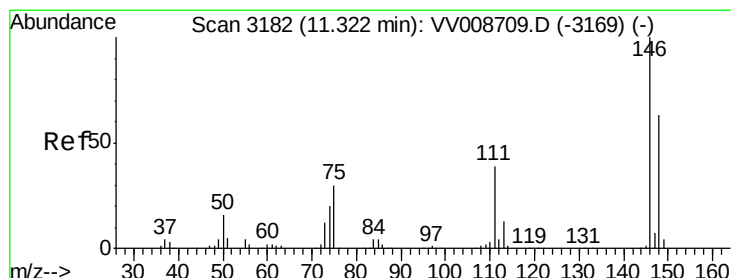
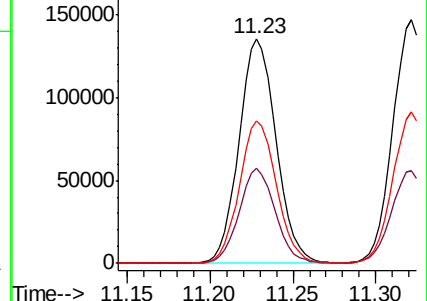
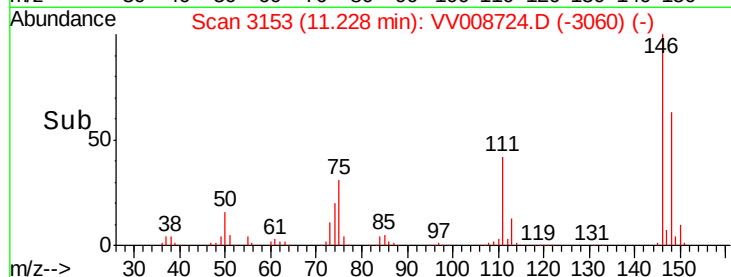
148 63.4 42.7 79.3



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: 52.455 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

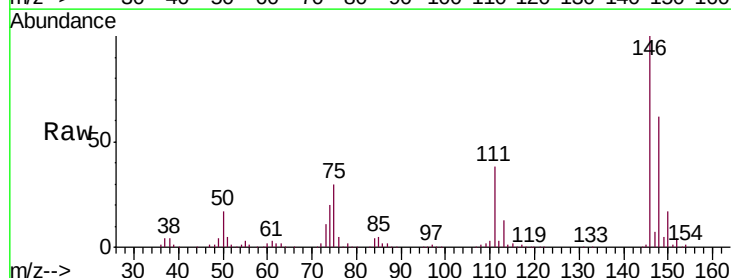
Tgt Ion:146 Resp: 223023

Ion Ratio Lower Upper

146 100

111 38.1 27.7 51.5

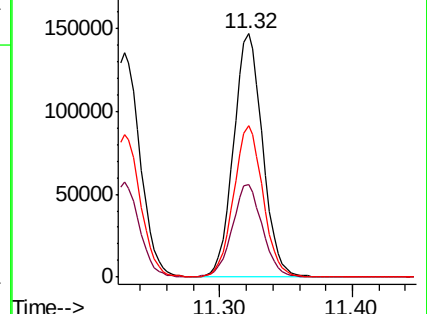
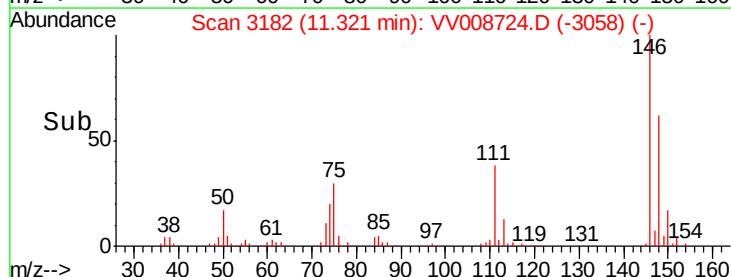
148 62.1 46.4 86.2

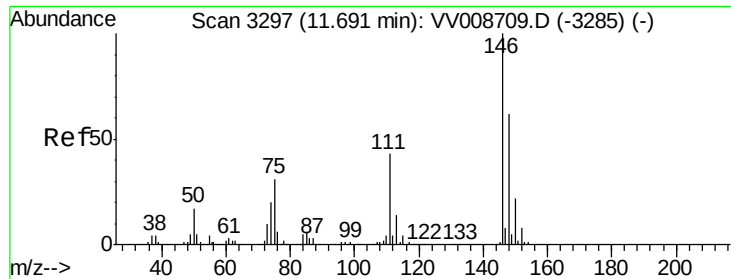


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

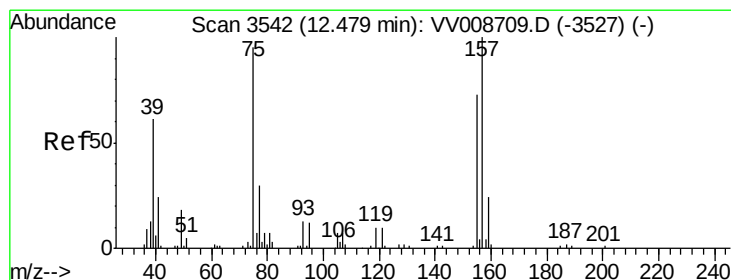
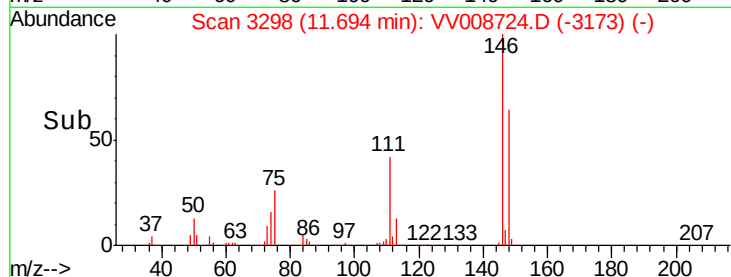
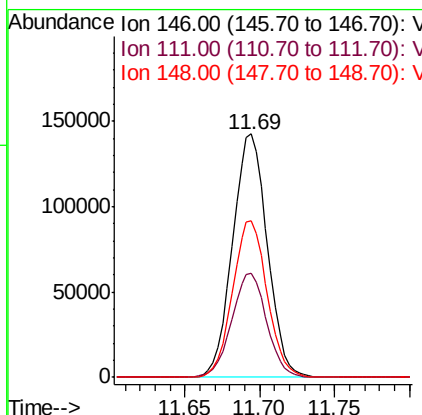
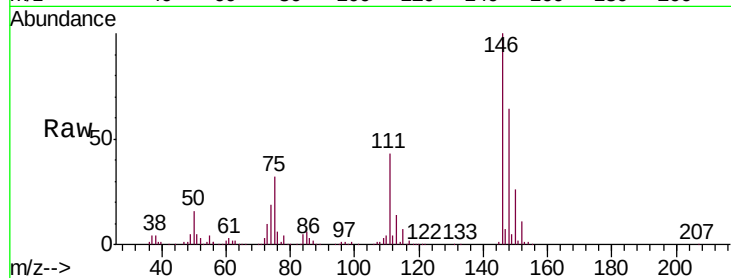




#65
 1,2-Dichlorobenzene
 Concen: 53.530 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008724.D
 Acq: 26 Nov 2018 20:14

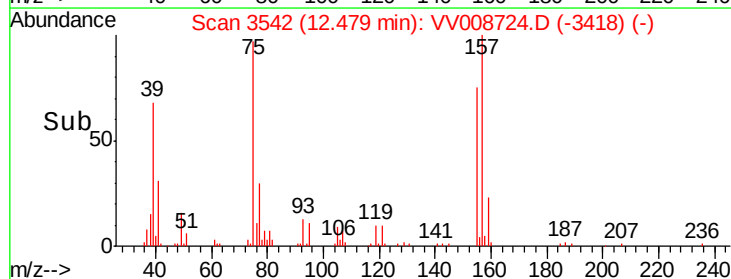
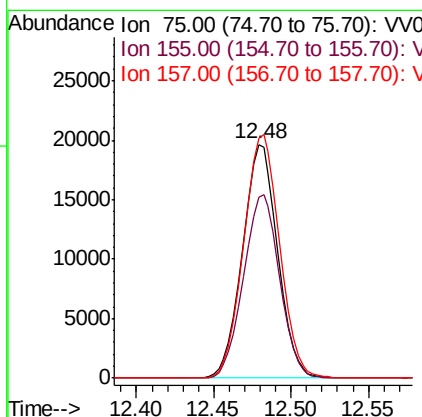
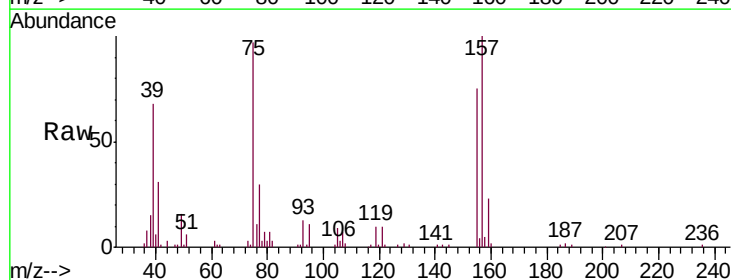
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

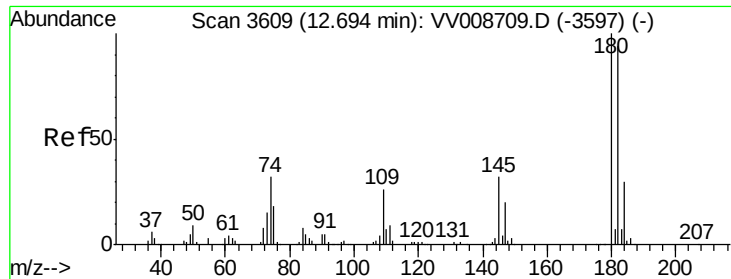
Tgt Ion: 146 Resp: 230497
 Ion Ratio Lower Upper
 146 100
 111 42.7 36.5 54.7
 148 64.2 48.7 73.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.508 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV008724.D
 Acq: 26 Nov 2018 20:14

Tgt Ion: 75 Resp: 31033
 Ion Ratio Lower Upper
 75 100
 155 77.2 64.4 96.6
 157 102.9 83.7 125.5

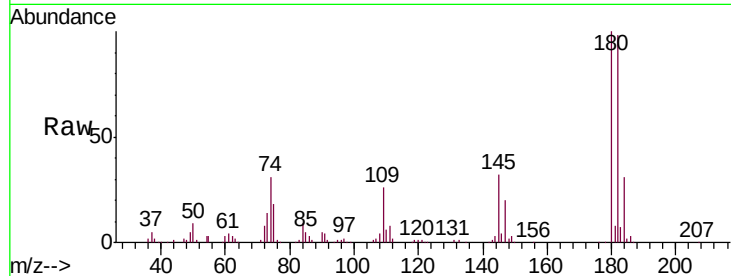




#67
 1,3,5-Trichlorobenzene
 Concen: 49.774 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008724.D
 Acq: 26 Nov 2018 20:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	73.2	109.8
184	30.4	23.6	35.4
145	31.7	26.6	39.8



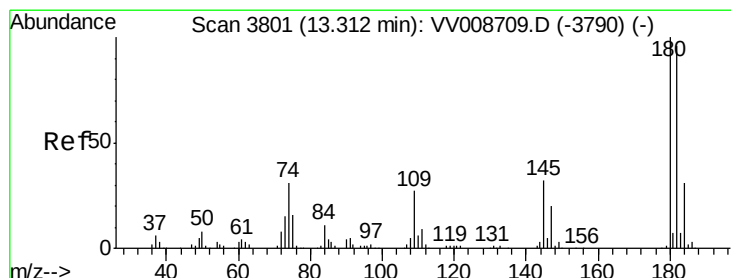
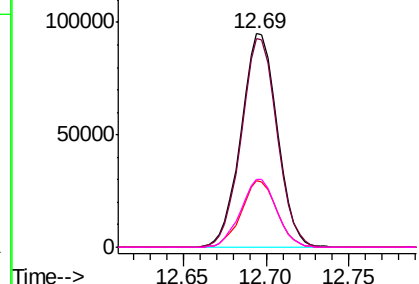
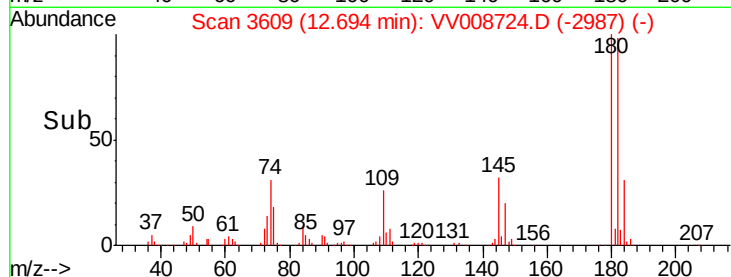
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

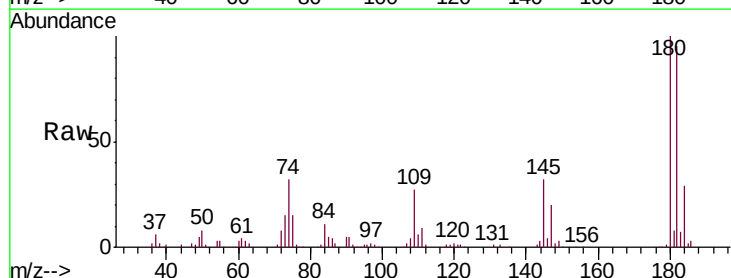
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.283 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008724.D
 Acq: 26 Nov 2018 20:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
145	31.8	28.0	42.0

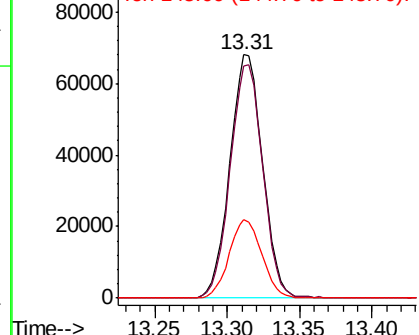
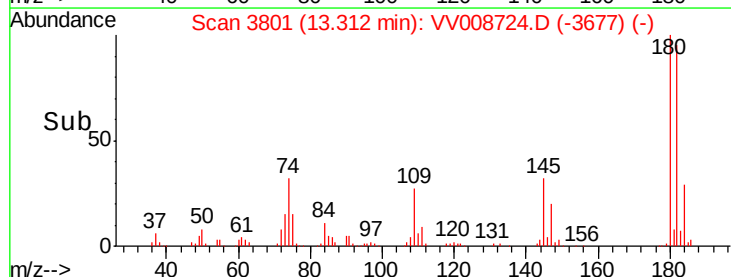


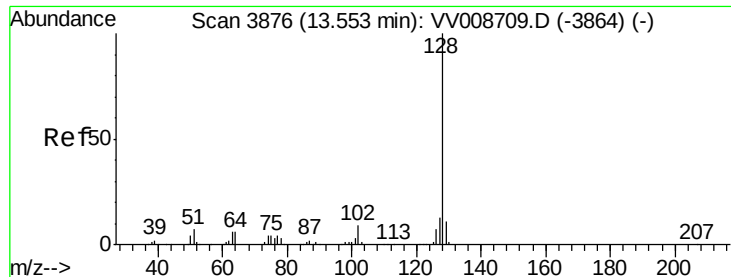
Abundance

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: 40.505 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

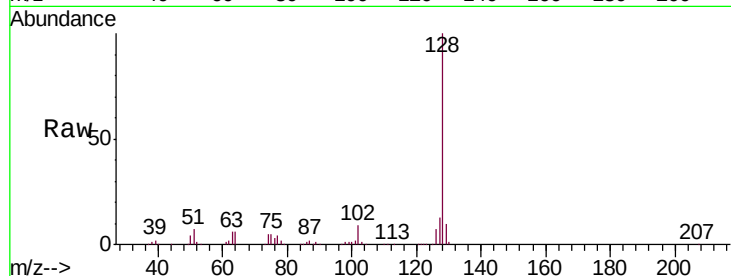
Tgt Ion:128 Resp: 254193

Ion Ratio Lower Upper

128 100

127 13.0 9.4 14.0

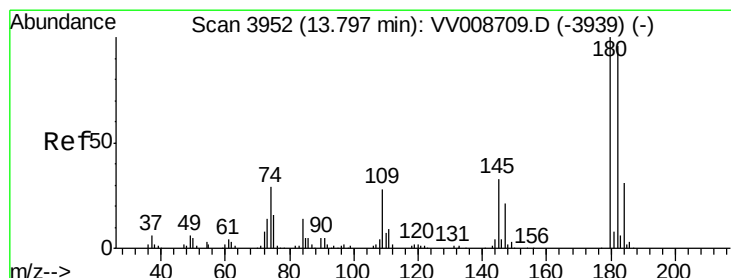
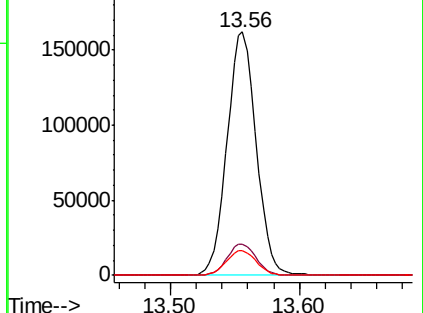
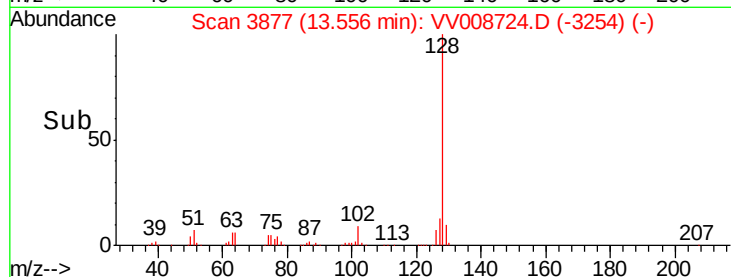
129 10.5 8.9 13.3



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: 47.781 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008724.D

Acq: 26 Nov 2018 20:14

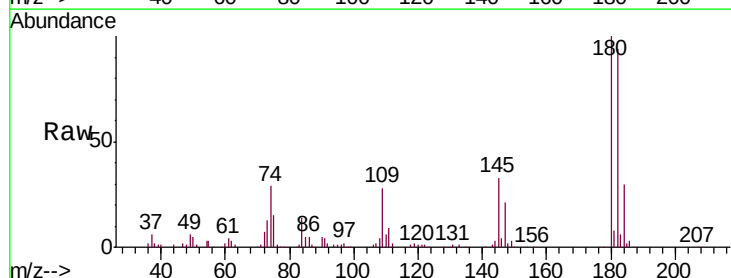
Tgt Ion:180 Resp: 108289

Ion Ratio Lower Upper

180 100

182 94.9 77.5 116.3

145 33.5 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

