

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072118\
 Data File : VV006693.D
 Acq On : 21 Jul 2018 18:41
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

Quant Time: Jul 22 23:08:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Jul 22 23:06:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	225316	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	209014	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	101798	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68683	4.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	1.57	69	53104	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.13	63	145433	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.60%
20) 2-Butanone-d5	3.95	46	128864	37.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.04%
24) Chloroform-d	4.40	84	134874	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.09	65	64929	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.10	84	274229	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.12	67	87734	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.36	98	253733	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	7.67	79	29177	4.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.60%
46) 2-Hexanone-d5	8.14	63	160746	53.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.96%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	68998	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	90141	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	115035	5.370 ug/L	# 84
3) Chloromethane	1.26	50	96121	5.305 ug/L	100
5) Vinyl chloride	1.32	62	124418	5.317 ug/L	99
6) Bromomethane	1.52	94	26261	3.958 ug/L	96
8) Chloroethane	1.59	64	70022	5.209 ug/L	100
9) Trichlorofluoromethane	1.76	101	153159	5.454 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	96567	5.486 ug/L	100
12) 1,1-Dichloroethene	2.14	96	89598	5.371 ug/L	97
13) Acetone	2.19	43	151011	57.334 ug/L	99
14) Carbon disulfide	2.32	76	268656	4.967 ug/L	99
15) Methyl Acetate	2.46	43	44215	5.722 ug/L	99
16) Methylene chloride	2.54	84	103984	4.955 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	234489	5.695 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	98221	5.342 ug/L	98
19) 1,1-Dichloroethane	3.23	63	180809	5.570 ug/L	99
21) 2-Butanone	4.03	43	264127	59.873 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	105454	5.478 ug/L	97

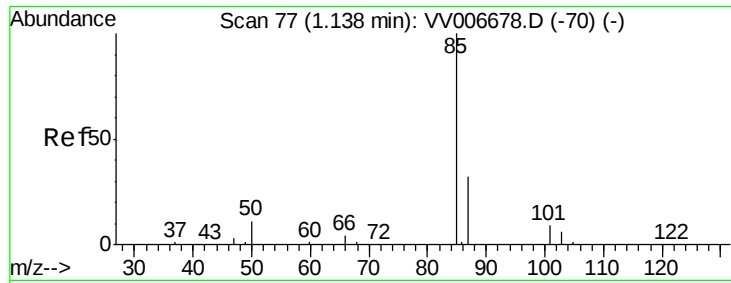
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072118\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	44373	5.662	ug/L	98
25) Chloroform	4.43	83	176736	5.651	ug/L	99
27) 1,2-Dichloroethane	5.19	62	104311	5.708	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	142966	5.473	ug/L	99
30) Cyclohexane	4.72	56	152470	5.220	ug/L	99
31) Carbon tetrachloride	4.88	117	121753	5.449	ug/L	99
33) Benzene	5.15	78	404657	5.504	ug/L	100
34) Trichloroethene	5.96	95	98337	5.286	ug/L	99
35) Methylcyclohexane	6.18	83	163466	5.265	ug/L	99
37) 1,2-Dichloropropane	6.23	63	104918	5.594	ug/L	100
38) Bromodichloromethane	6.56	83	115705	5.554	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	134883	5.469	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	598034	58.985	ug/L	99
42) Toluene	7.44	91	422400	5.559	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	104984	5.475	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	72668	5.759	ug/L	98
47) Tetrachloroethene	8.02	164	79920	5.349	ug/L	98
48) 2-Hexanone	8.19	43	427092	60.260	ug/L	99
49) Dibromochloromethane	8.30	129	76231	5.702	ug/L	100
50) 1,2-Dibromoethane	8.40	107	64670	5.702	ug/L	98
51) Chlorobenzene	8.93	112	272500	5.519	ug/L	99
52) Ethylbenzene	9.06	91	451532	5.535	ug/L	99
53) m,p-xylene	9.19	106	173336	5.588	ug/L	100
54) o-xylene	9.59	106	168224	5.559	ug/L	97
55) Styrene	9.61	104	290915	5.742	ug/L	99
56) Isopropylbenzene	9.98	105	443877	5.591	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	89753	5.931	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	63098	5.706	ug/L	100
61) Bromoform	9.78	173	39567	5.624	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	198643	5.357	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	204009	5.415	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	197909	5.568	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11180	5.300	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	155065	5.411	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	122735	5.399	ug/L	99
69) Naphthalene	13.56	128	210223	5.341	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	117214	5.473	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.370 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

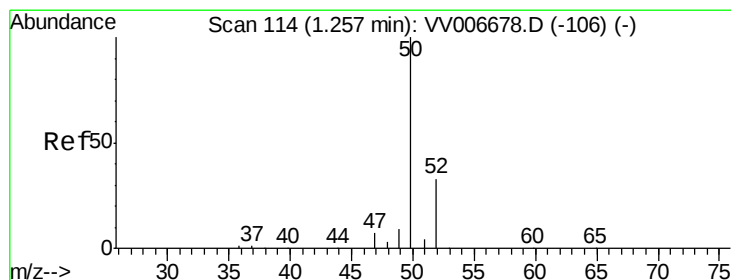
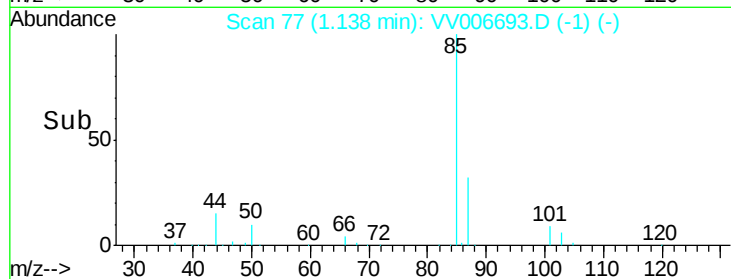
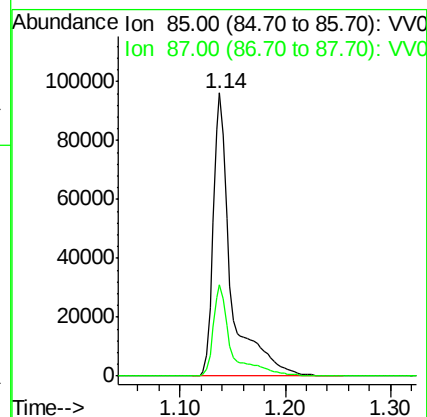
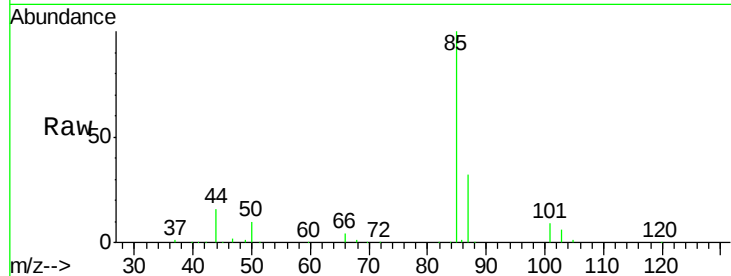
VSTD00574

Tgt Ion: 85 Resp: 115035

Ion Ratio Lower Upper

85 100

87 32.4 19.4 29.2#



#3

Chloromethane

Concen: 5.305 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006693.D

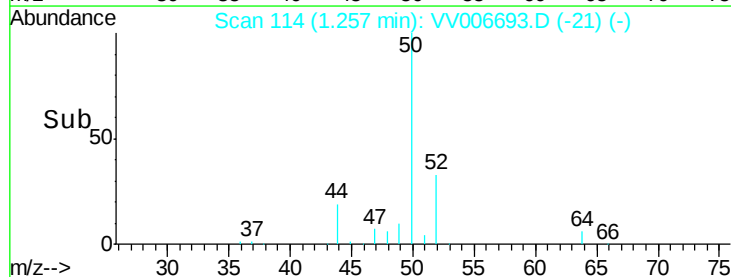
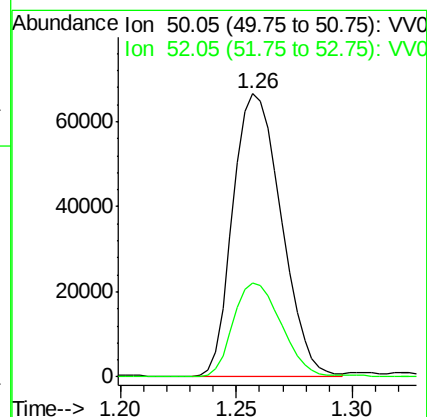
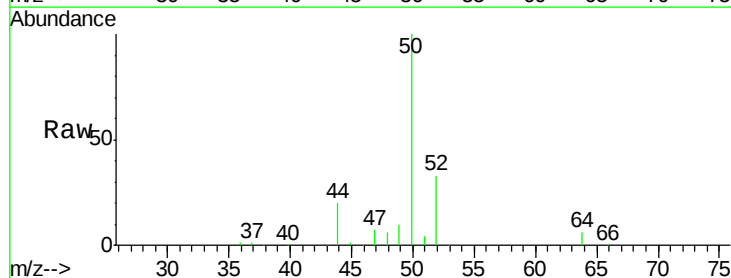
Acq: 21 Jul 2018 18:41

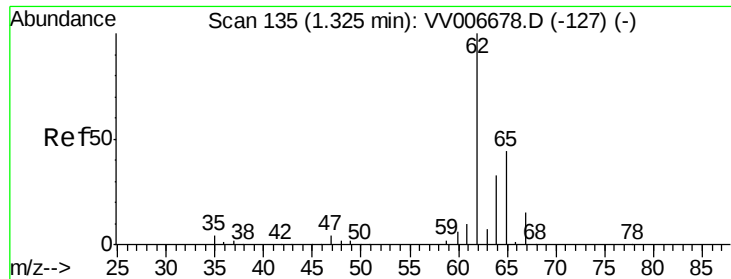
Tgt Ion: 50 Resp: 96121

Ion Ratio Lower Upper

50 100

52 33.4 23.2 43.0





#5

Vinyl chloride

Concen: 5.317 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

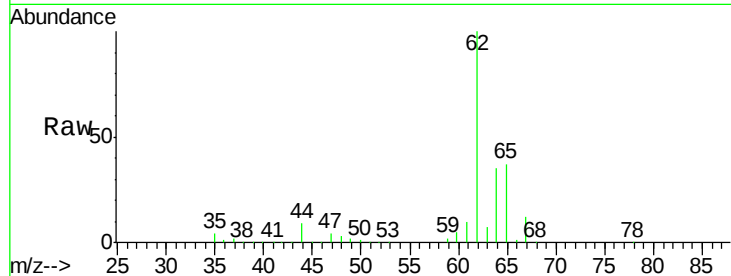
VSTD00574

Tgt Ion: 62 Resp: 124418

Ion Ratio Lower Upper

62 100

64 34.7 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

120000

100000

80000

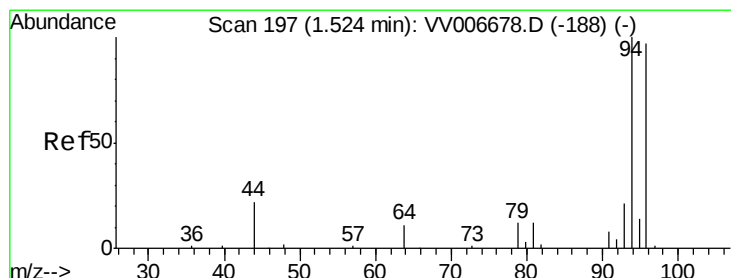
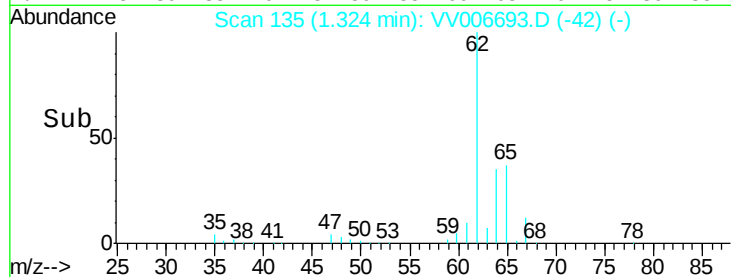
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 3.958 ug/L

RT: 1.52 min Scan# 195

Delta R.T. -0.01 min

Lab File: VV006693.D

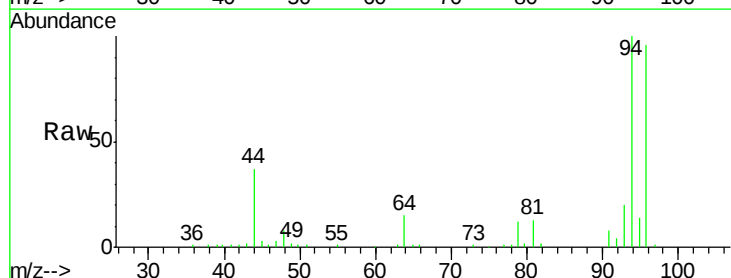
Acq: 21 Jul 2018 18:41

Tgt Ion: 94 Resp: 26261

Ion Ratio Lower Upper

94 100

96 96.0 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

25000

20000

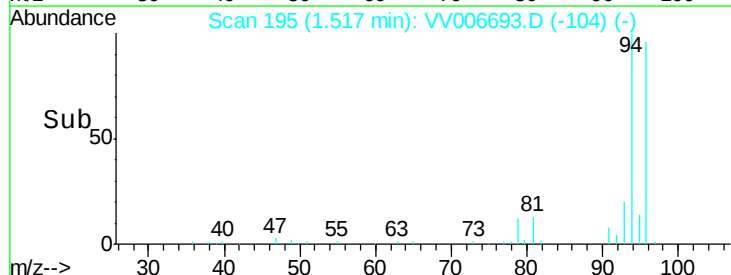
15000

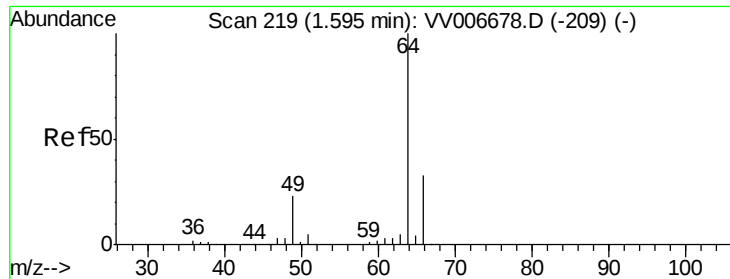
10000

5000

0

Time-->





#8

Chloroethane

Concen: 5.209 ug/L

RT: 1.59 min Scan# 218

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

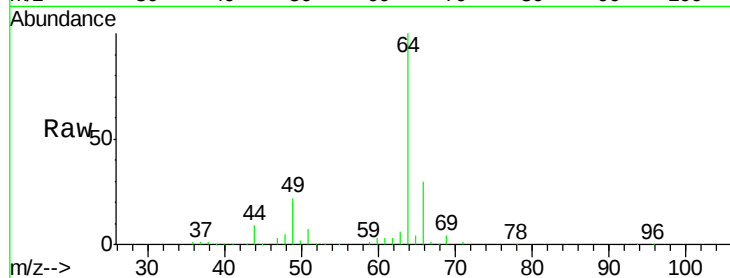
VSTD00574

Tgt Ion: 64 Resp: 70022

Ion Ratio Lower Upper

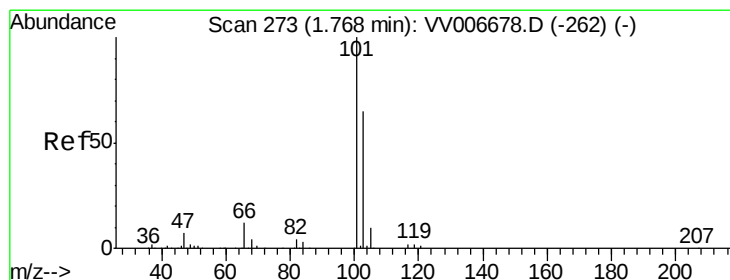
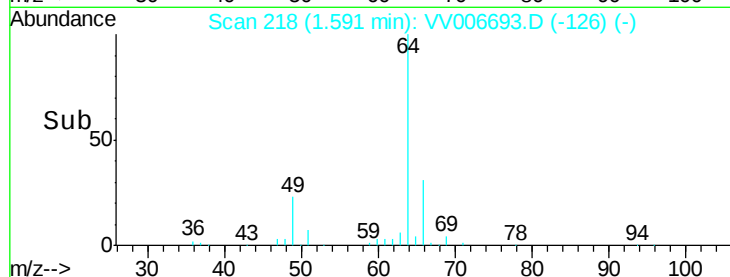
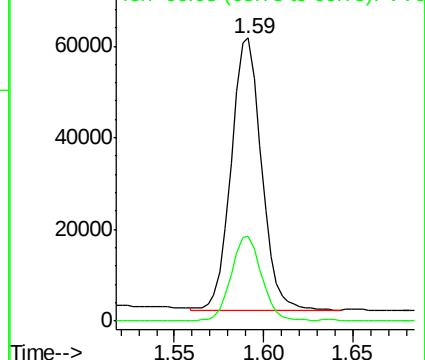
64 100

66 30.0 21.1 39.3



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#9

Trichlorofluoromethane

Concen: 5.454 ug/L

RT: 1.76 min Scan# 272

Delta R.T. -0.00 min

Lab File: VV006693.D

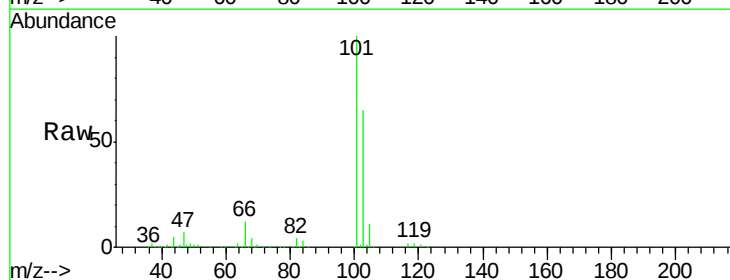
Acq: 21 Jul 2018 18:41

Tgt Ion: 101 Resp: 153159

Ion Ratio Lower Upper

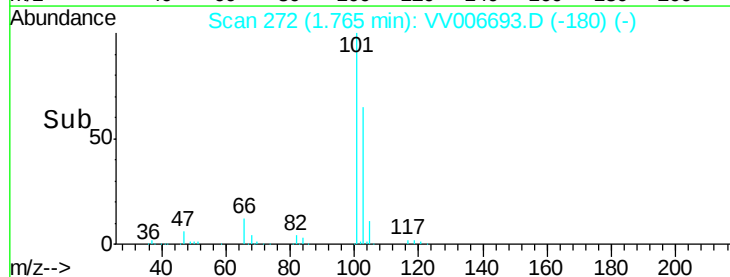
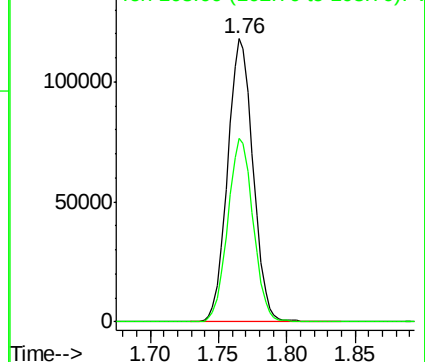
101 100

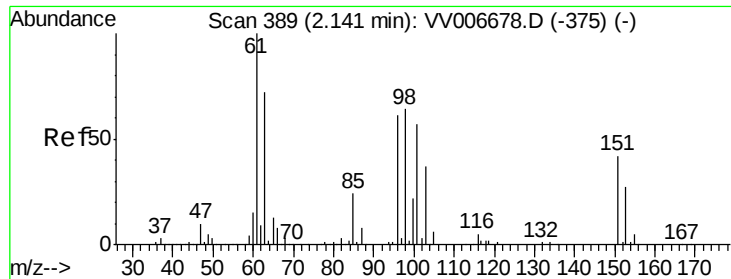
103 65.0 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 5.486 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

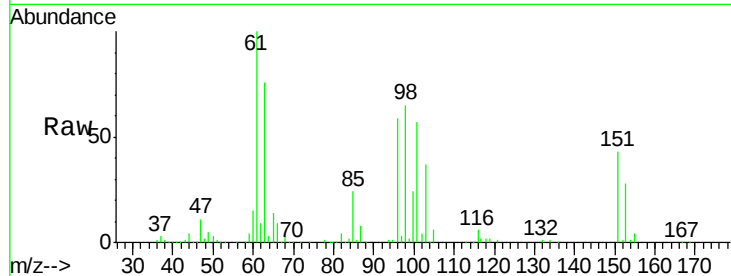
Tgt Ion:101 Resp: 96567

Ion Ratio Lower Upper

101 100

85 42.0 33.7 50.5

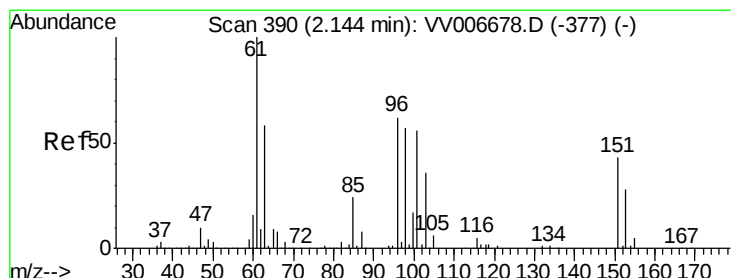
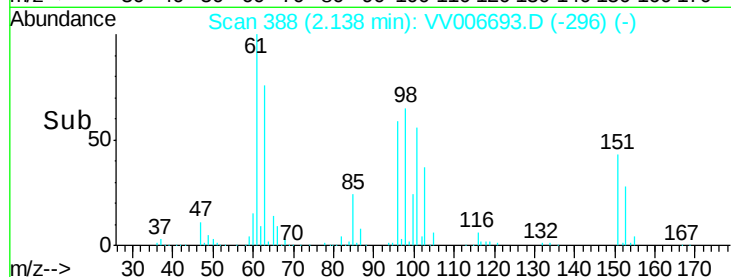
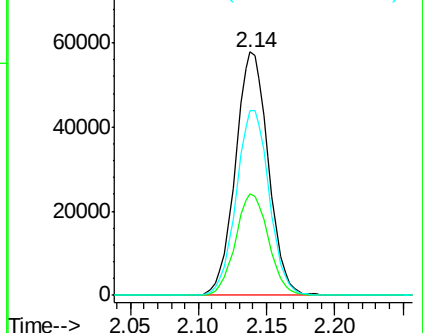
151 76.4 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): VV006678.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV006678.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV006678.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 5.371 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

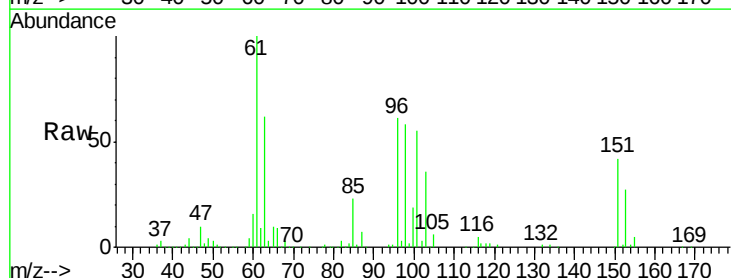
Tgt Ion: 96 Resp: 89598

Ion Ratio Lower Upper

96 100

61 164.5 115.1 213.8

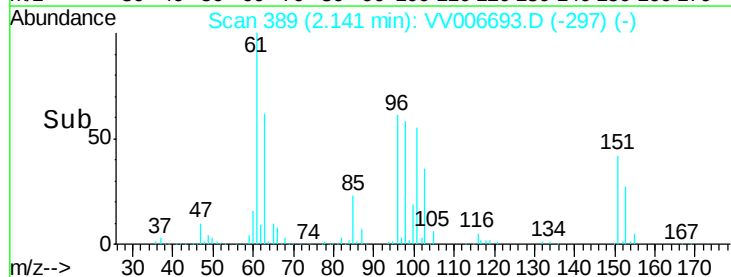
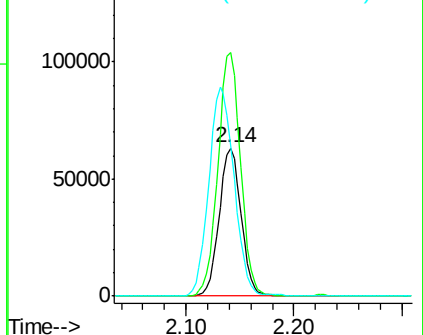
63 101.8 77.2 143.4

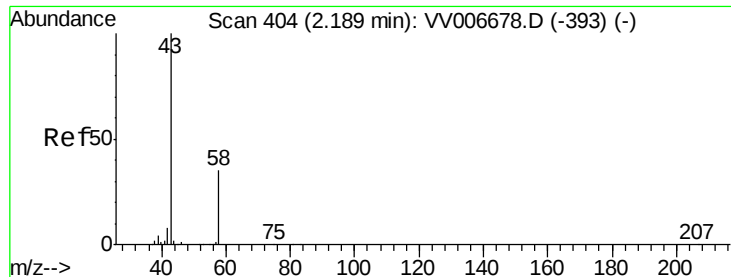


Abundance Ion 96.00 (95.70 to 96.70): VV006678.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VV006678.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VV006678.D (-377) (-)





#13

Acetone

Concen: 57.334 ug/L

RT: 2.19 min Scan# 404

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

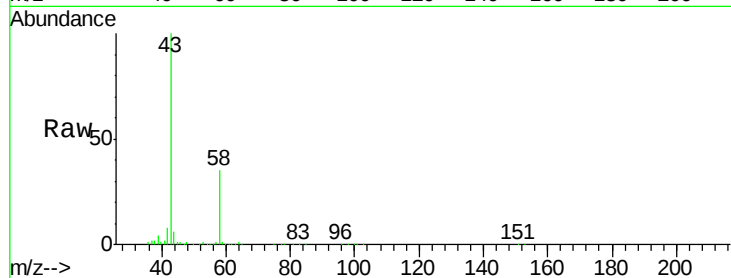
VSTD00574

Tgt Ion: 43 Resp: 151011

Ion Ratio Lower Upper

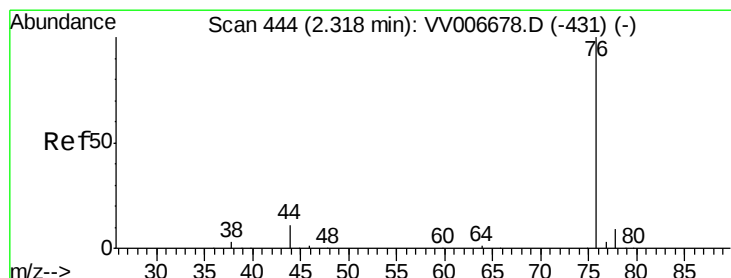
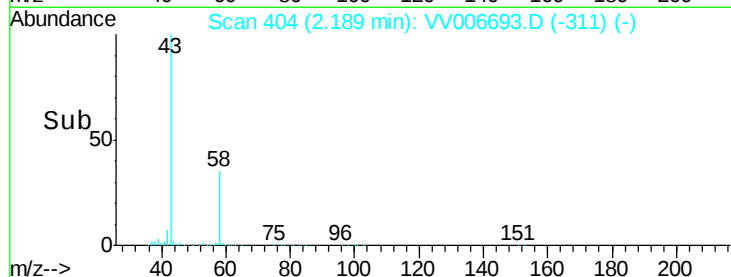
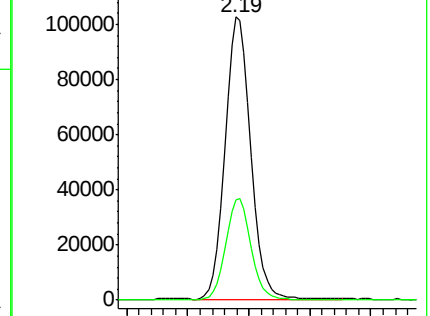
43 100

58 36.1 0.0 72.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.967 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006693.D

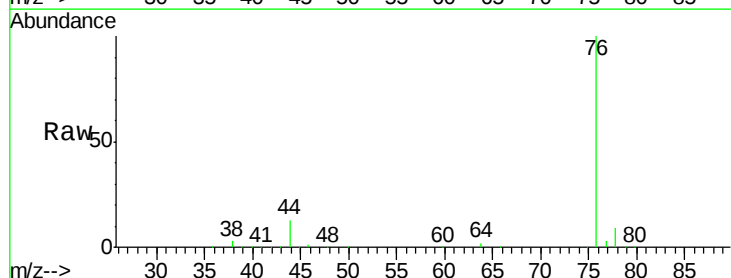
Acq: 21 Jul 2018 18:41

Tgt Ion: 76 Resp: 268656

Ion Ratio Lower Upper

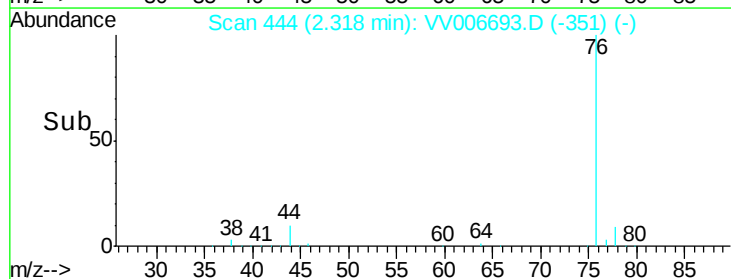
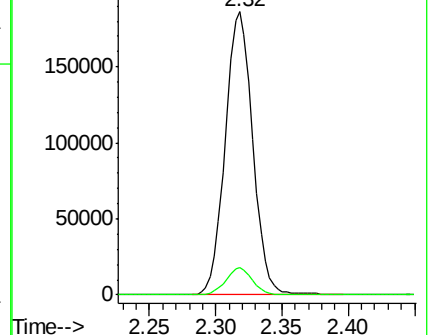
76 100

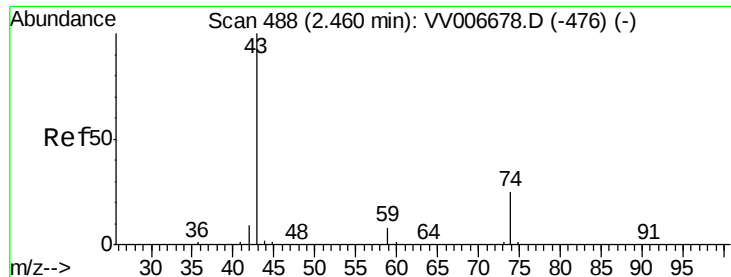
78 9.5 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 5.722 ug/L

RT: 2.46 min Scan# 488

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

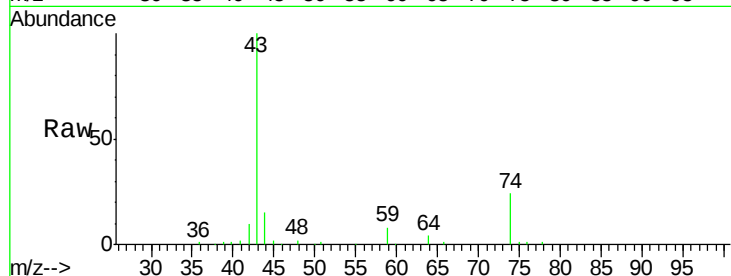
VSTD00574

Tgt Ion: 43 Resp: 44215

Ion Ratio Lower Upper

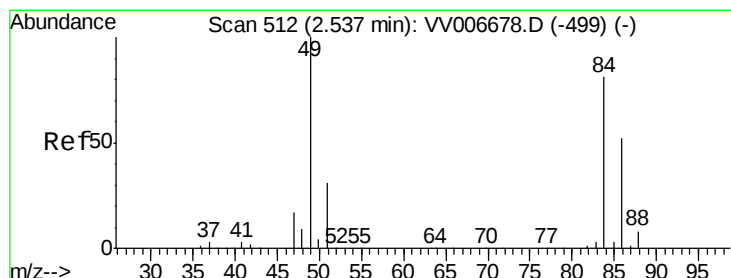
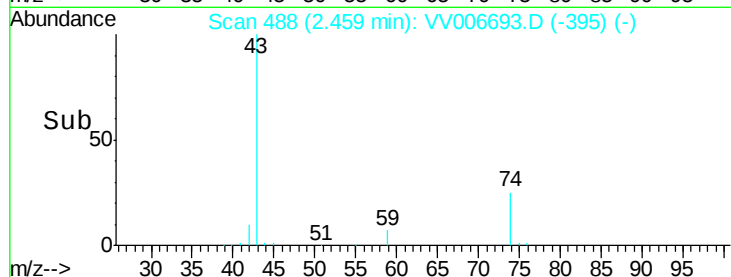
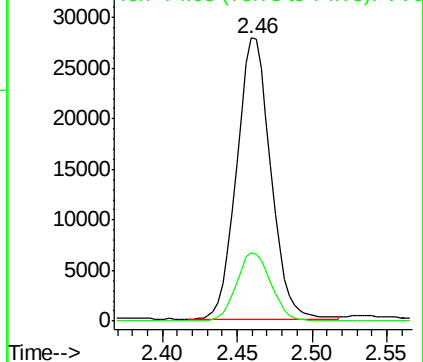
43 100

74 24.7 20.3 30.5



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.955 ug/L

RT: 2.54 min Scan# 512

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

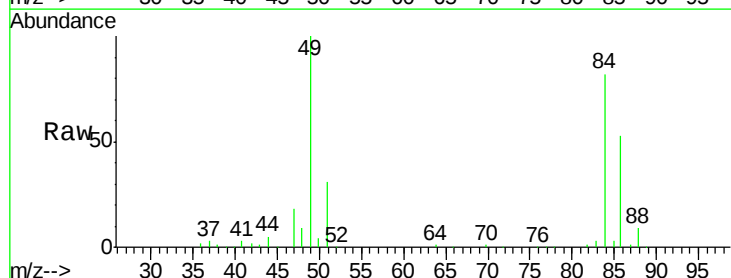
Tgt Ion: 84 Resp: 103984

Ion Ratio Lower Upper

84 100

86 64.9 45.4 84.2

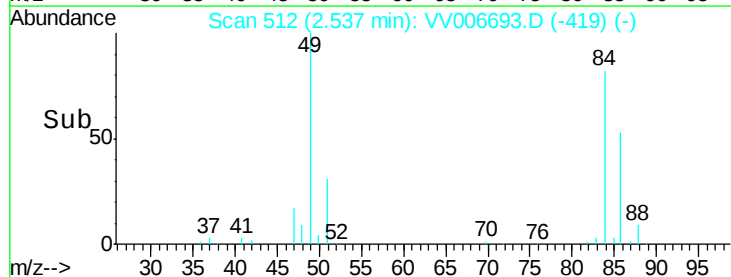
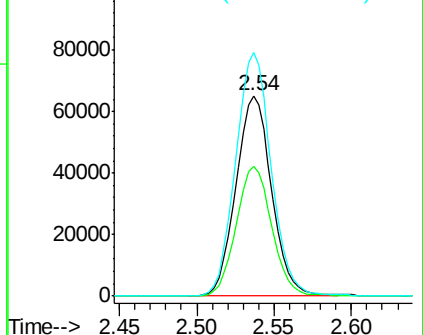
49 121.7 85.1 158.1

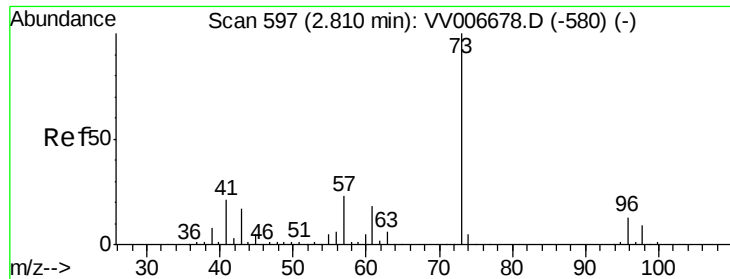


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 5.695 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

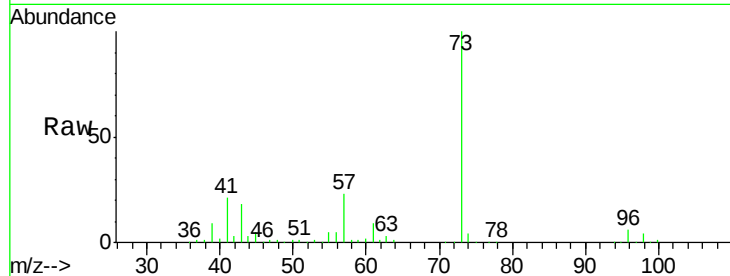
Tgt Ion: 73 Resp: 234489

Ion Ratio Lower Upper

73 100

43 17.5 13.9 20.9

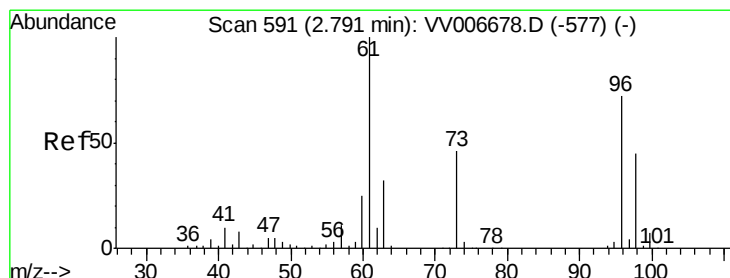
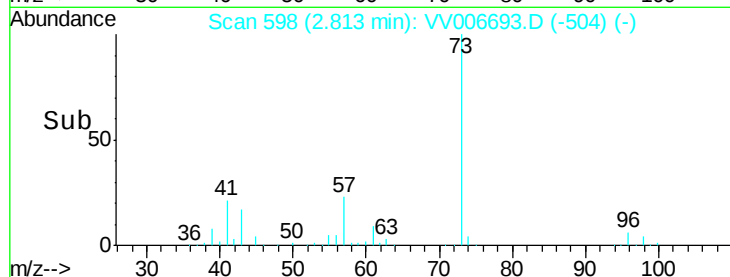
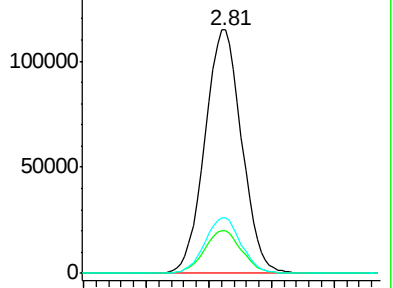
57 22.6 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV006678.D (-580) (-)

Ion 43.05 (42.75 to 43.75): VV006678.D (-580) (-)

Ion 57.10 (56.80 to 57.80): VV006678.D (-580) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.342 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

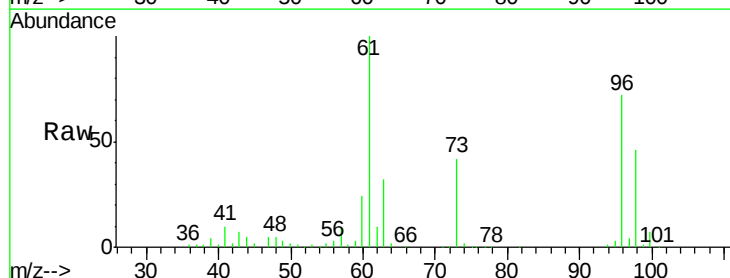
Tgt Ion: 96 Resp: 98221

Ion Ratio Lower Upper

96 100

61 139.7 96.0 178.4

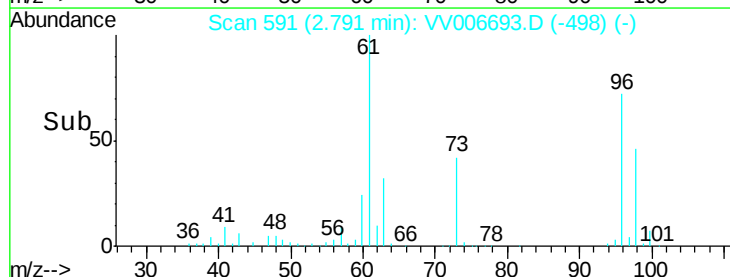
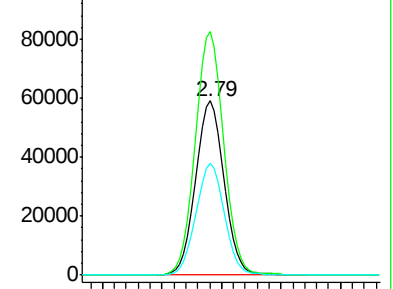
98 64.1 43.5 80.9

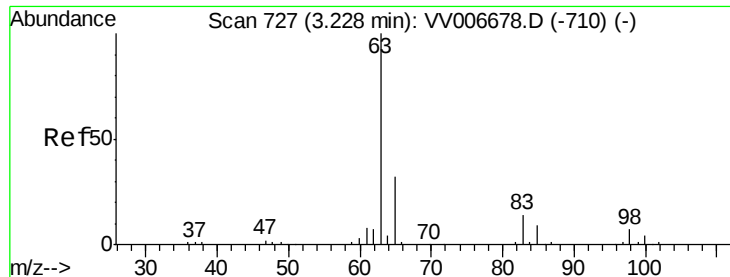


Abundance Ion 96.00 (95.70 to 96.70): VV006678.D (-577) (-)

Ion 61.05 (60.75 to 61.75): VV006678.D (-577) (-)

Ion 97.95 (97.65 to 98.65): VV006678.D (-577) (-)

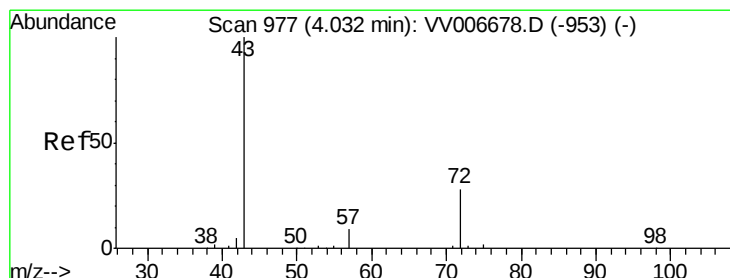
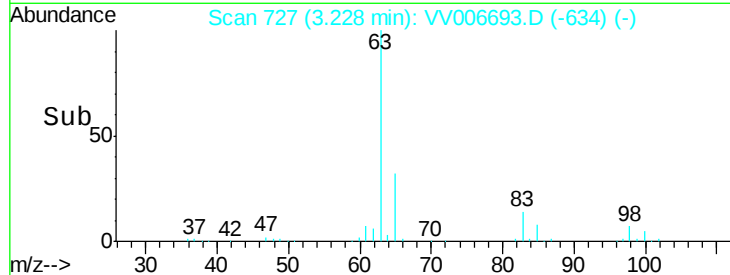
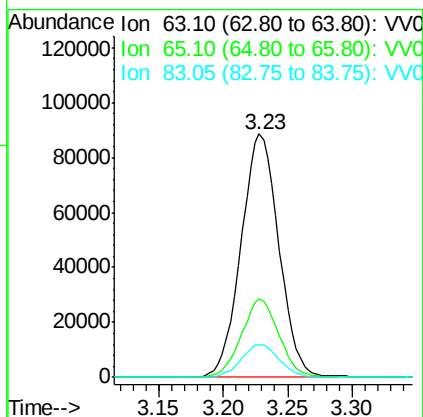
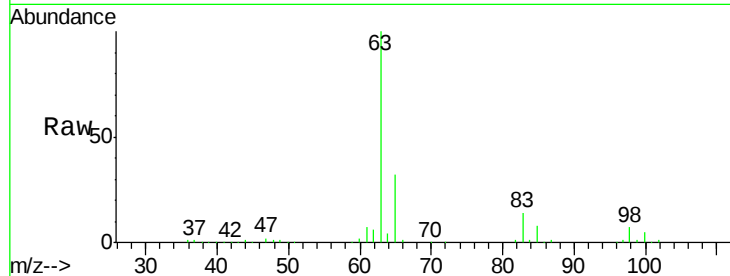




#19
 1,1-Dichloroethane
 Concen: 5.570 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV006693.D
 Acq: 21 Jul 2018 18:41

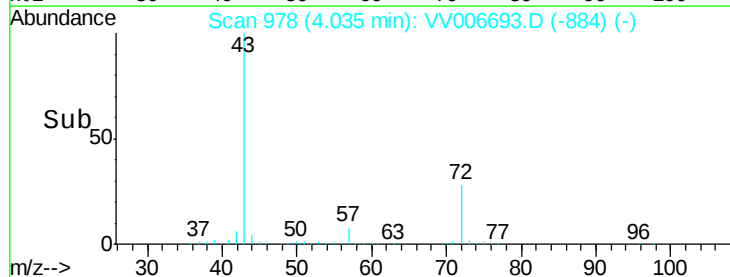
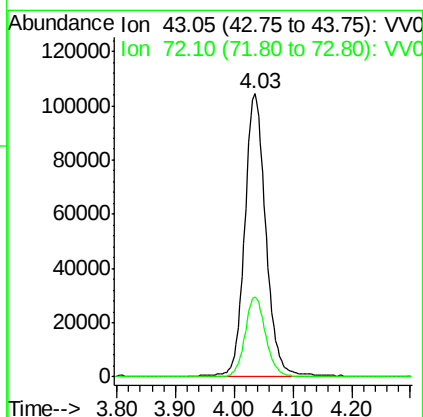
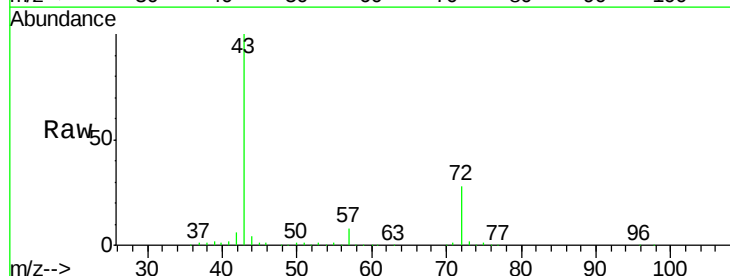
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

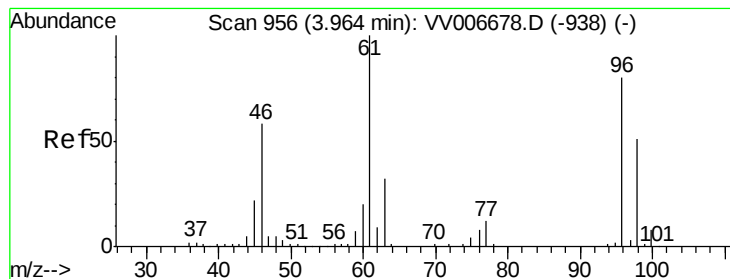
Tgt Ion: 63 Resp: 180809
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.1 41.1
 83 13.6 9.2 17.0



#21
 2-Butanone
 Concen: 59.873 ug/L
 RT: 4.03 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VV006693.D
 Acq: 21 Jul 2018 18:41

Tgt Ion: 43 Resp: 264127
 Ion Ratio Lower Upper
 43 100
 72 27.0 13.9 41.6



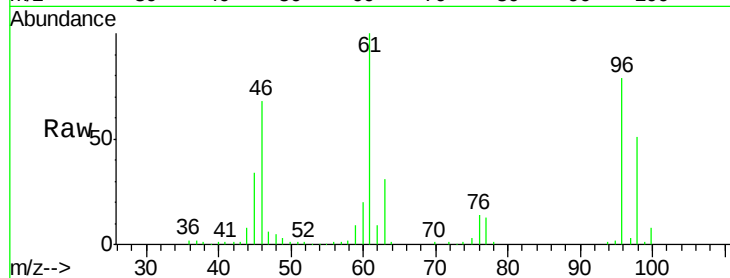


#22

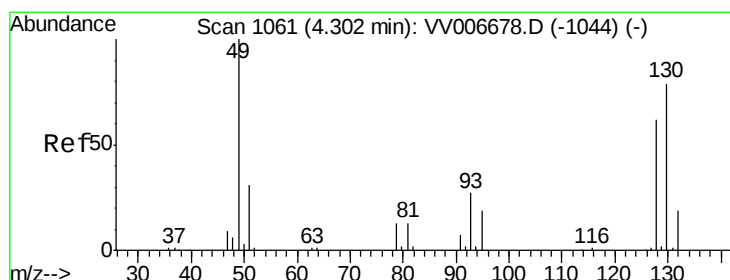
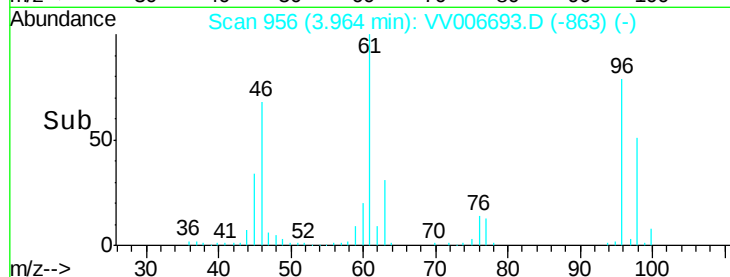
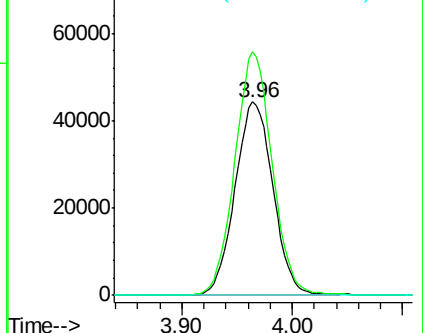
cis-1,2-Dichloroethene
Concen: 5.478 ug/L
RT: 3.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VV006693.D
Acq: 21 Jul 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

Tgt Ion: 96 Resp: 105454
Ion Ratio Lower Upper
96 100
61 126.0 86.2 160.0
68 0.0 0.0 0.0



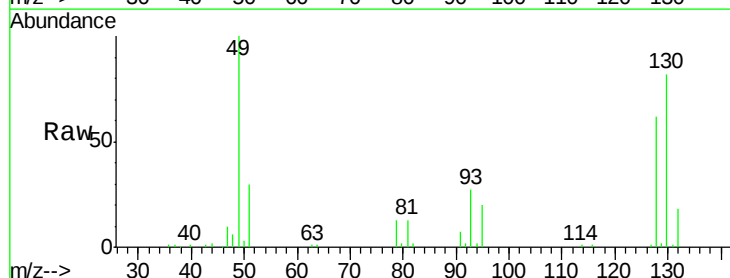
Abundance Ion 96.00 (95.70 to 96.70): VV006693.D (-863) (-)
Ion 61.05 (60.75 to 61.75): VV006693.D (-863) (-)
Ion 68.15 (67.85 to 68.85): VV006693.D (-863) (-)



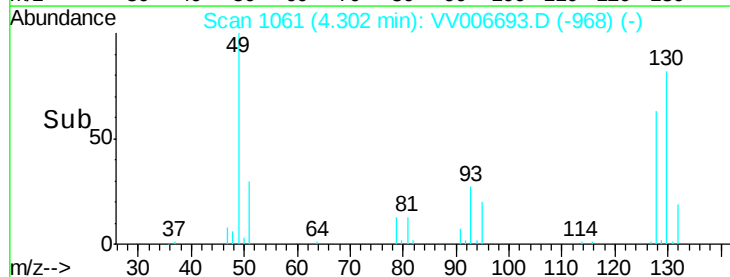
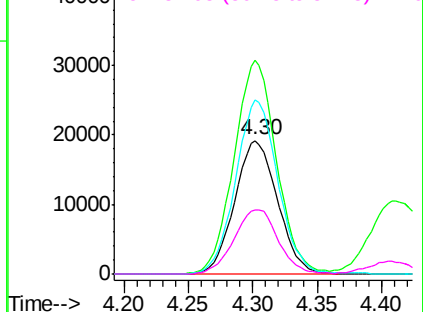
#23

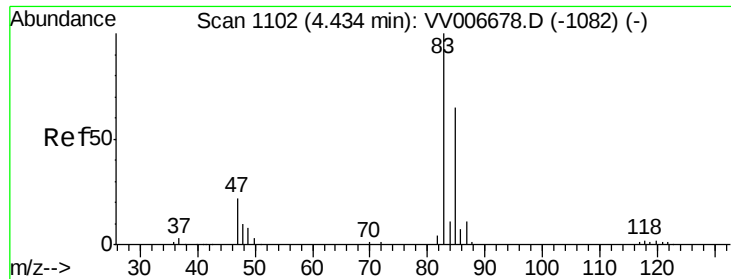
Bromochloromethane
Concen: 5.662 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VV006693.D
Acq: 21 Jul 2018 18:41

Tgt Ion: 128 Resp: 44373
Ion Ratio Lower Upper
128 100
49 160.4 113.0 209.8
130 131.1 89.3 165.9
51 48.3 40.9 61.3



Abundance Ion 127.90 (127.60 to 128.60): VV006693.D (-968) (-)
Ion 49.10 (48.80 to 49.80): VV006693.D (-968) (-)
Ion 129.95 (129.65 to 130.65): VV006693.D (-968) (-)
Ion 51.05 (50.75 to 51.75): VV006693.D (-968) (-)

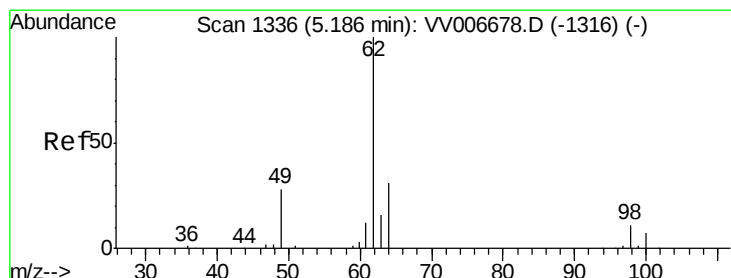
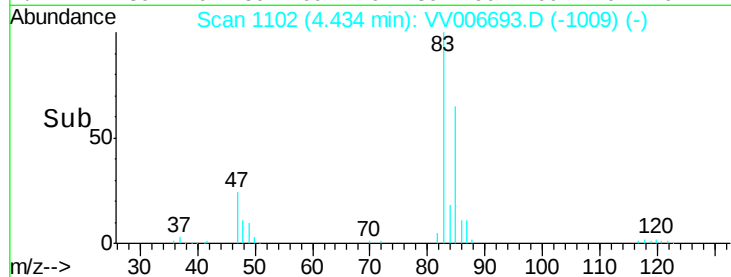
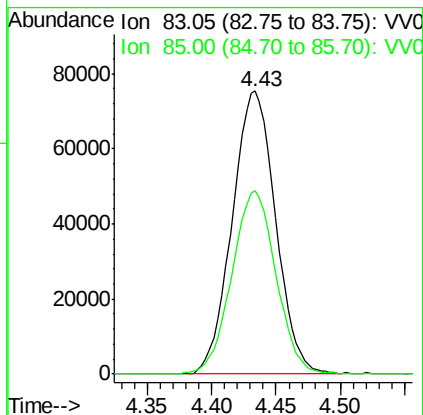
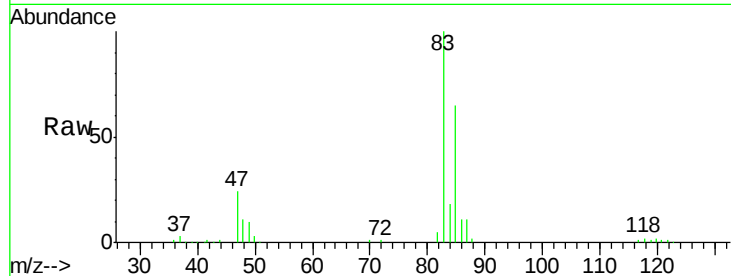




#25
 Chloroform
 Concen: 5.651 ug/L
 RT: 4.43 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV006693.D
 Acq: 21 Jul 2018 18:41

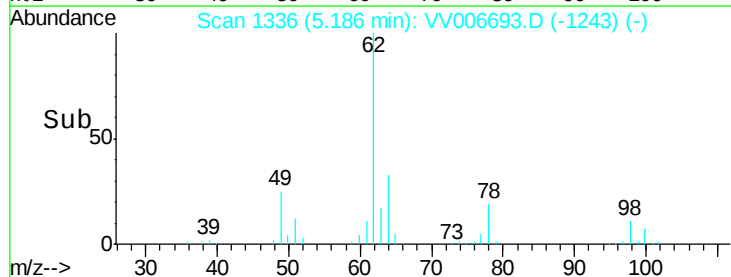
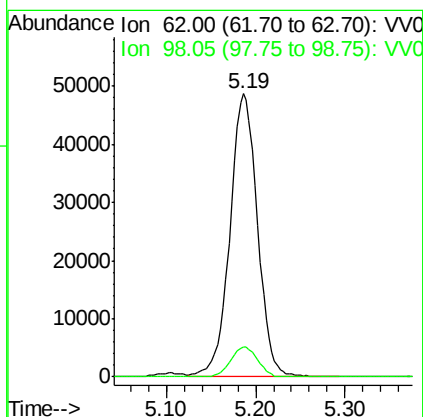
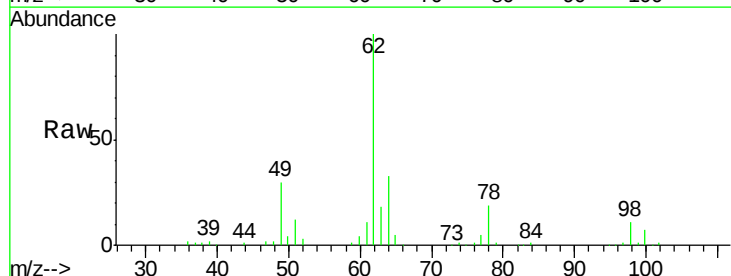
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

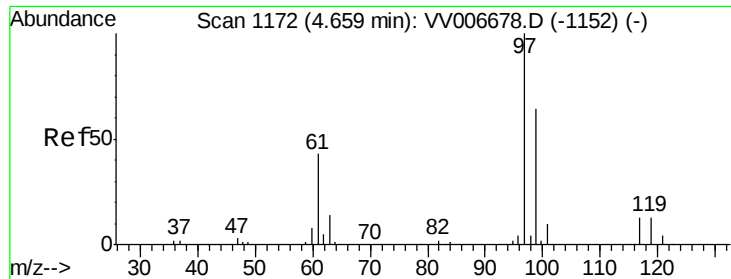
Tgt Ion: 83 Resp: 176736
 Ion Ratio Lower Upper
 83 100
 85 64.7 46.1 85.7



#27
 1,2-Dichloroethane
 Concen: 5.708 ug/L
 RT: 5.19 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VV006693.D
 Acq: 21 Jul 2018 18:41

Tgt Ion: 62 Resp: 104311
 Ion Ratio Lower Upper
 62 100
 98 10.8 8.4 12.6

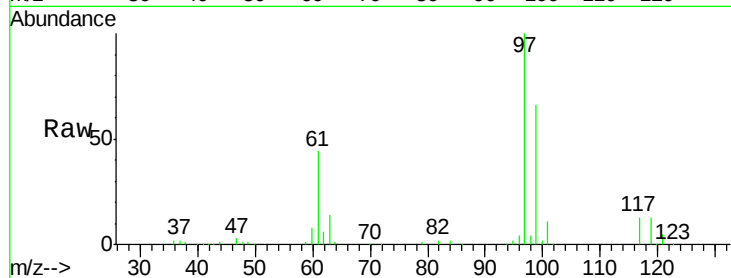




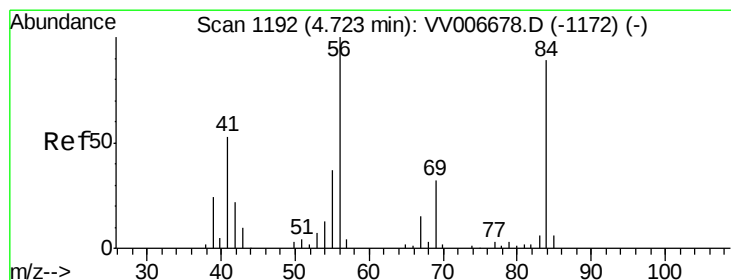
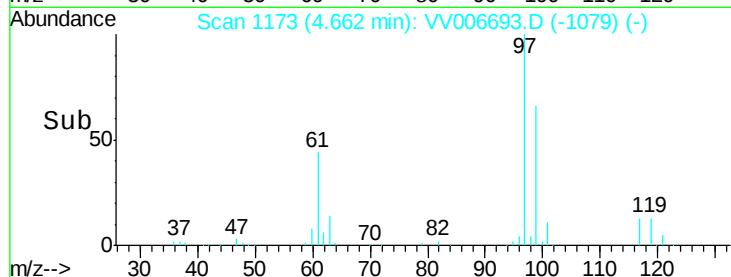
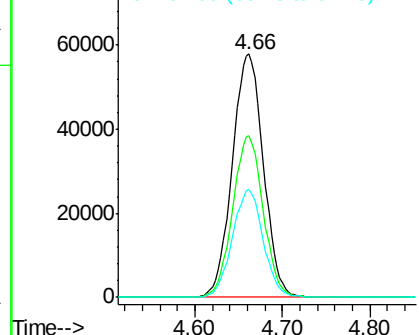
#29
 1,1,1-Trichloroethane
 Concen: 5.473 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006693.D
 Acq: 21 Jul 2018 18:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

Tgt Ion: 97 Resp: 142966
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.5 77.3
 61 43.9 35.4 53.2

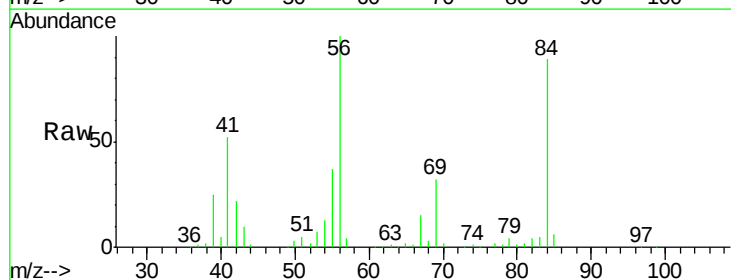


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

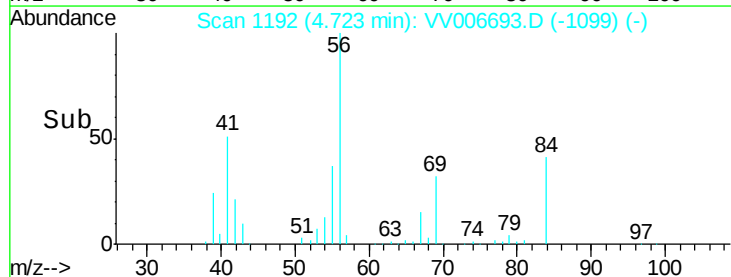
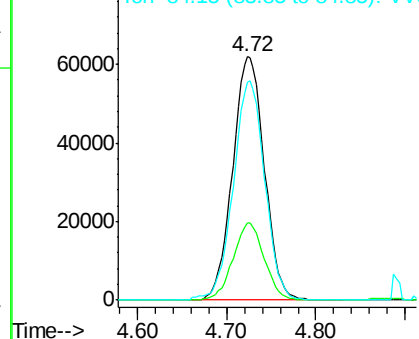


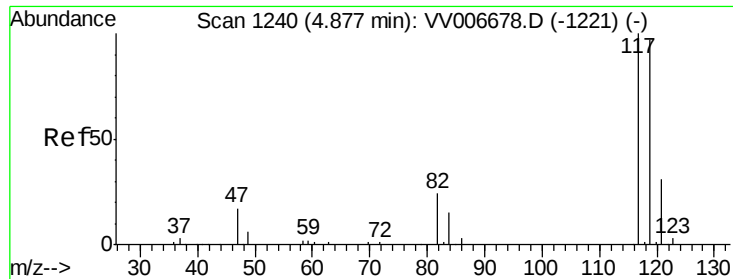
#30
 Cyclohexane
 Concen: 5.220 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV006693.D
 Acq: 21 Jul 2018 18:41

Tgt Ion: 56 Resp: 152470
 Ion Ratio Lower Upper
 56 100
 69 31.1 24.0 36.0
 84 89.5 71.0 106.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.449 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

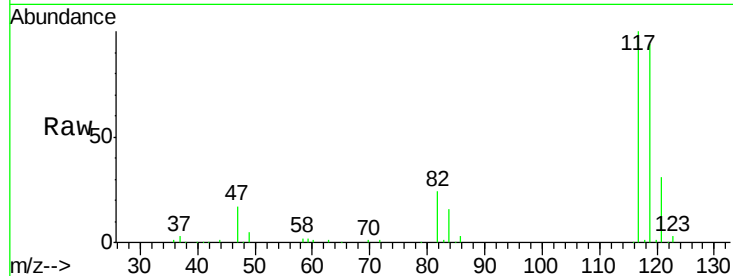
VSTD00574

Tgt Ion:117 Resp: 121753

Ion Ratio Lower Upper

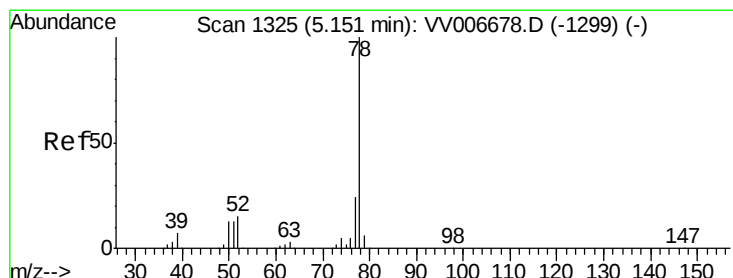
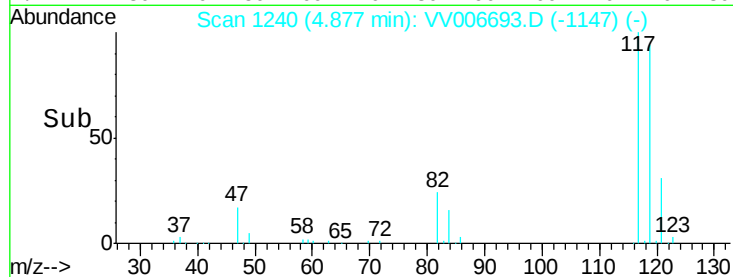
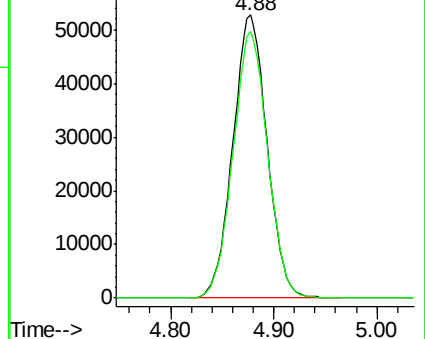
117 100

119 95.2 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.504 ug/L

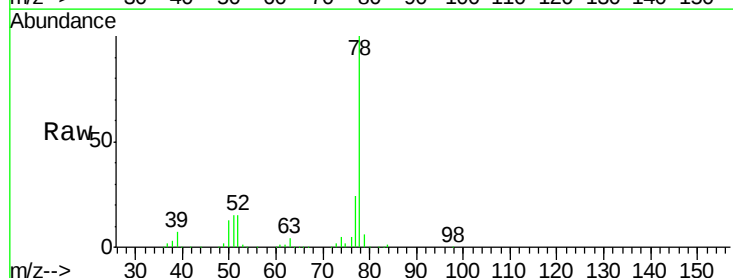
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

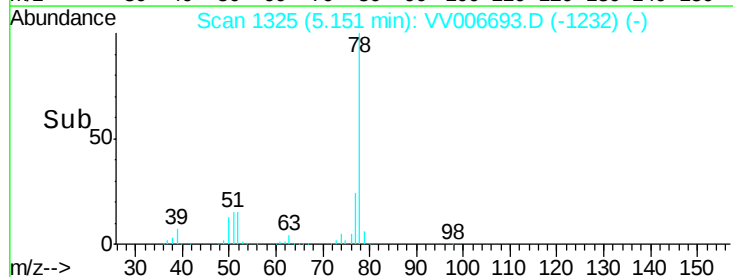
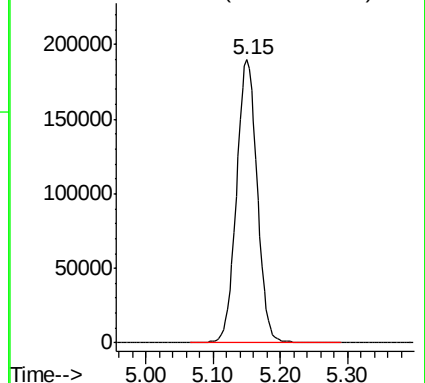
Lab File: VV006693.D

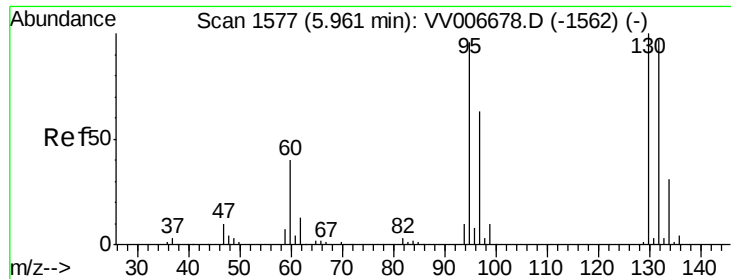
Acq: 21 Jul 2018 18:41

Tgt Ion: 78 Resp: 404657



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.286 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

Tgt Ion: 95 Resp: 98337

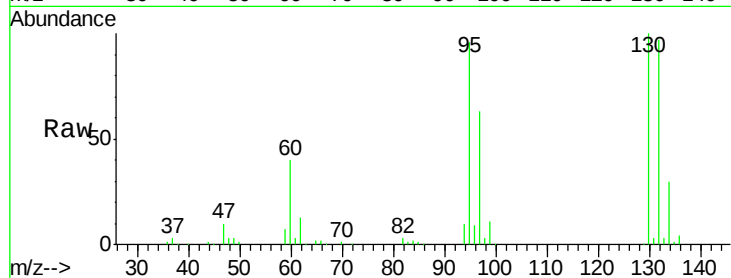
Ion Ratio Lower Upper

95 100

97 65.3 45.3 84.1

132 101.2 70.3 130.7

130 103.9 73.7 136.9

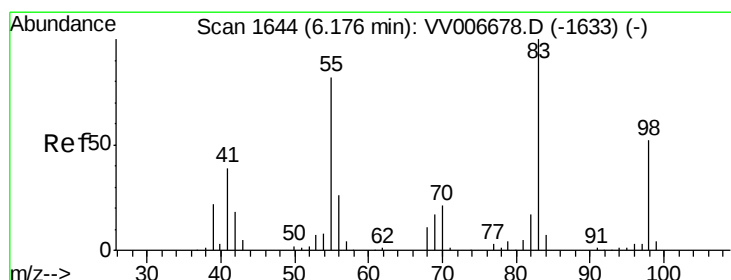
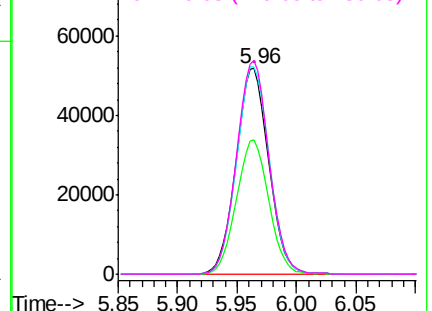
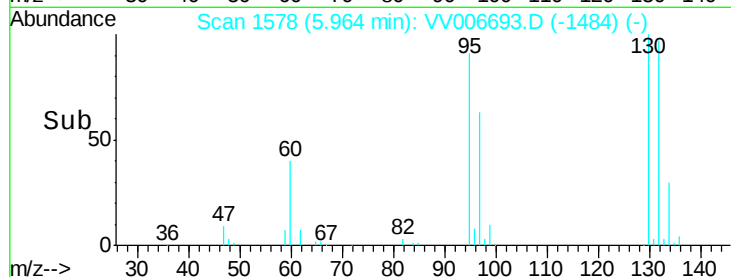


Abundance Ion 95.00 (94.70 to 95.70): VV006693.D (-1484) (-)

Ion 96.95 (96.65 to 97.65): VV006693.D (-1484) (-)

Ion 131.95 (131.65 to 132.65): VV006693.D (-1484) (-)

Ion 129.95 (129.65 to 130.65): VV006693.D (-1484) (-)



#35

Methylcyclohexane

Concen: 5.265 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

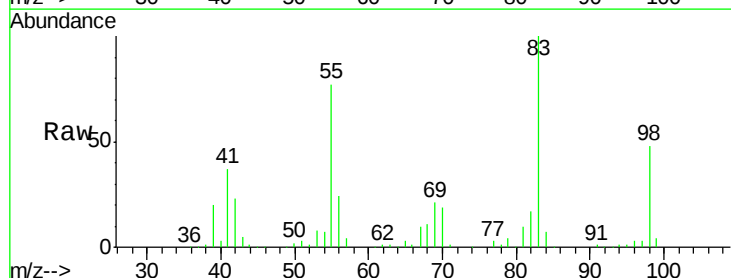
Tgt Ion: 83 Resp: 163466

Ion Ratio Lower Upper

83 100

55 76.9 61.3 91.9

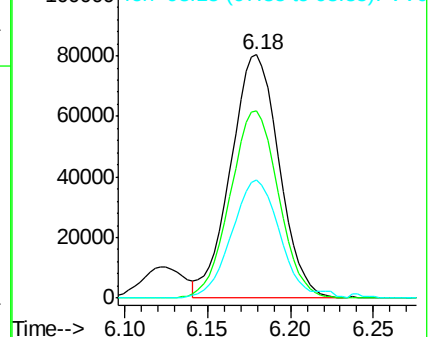
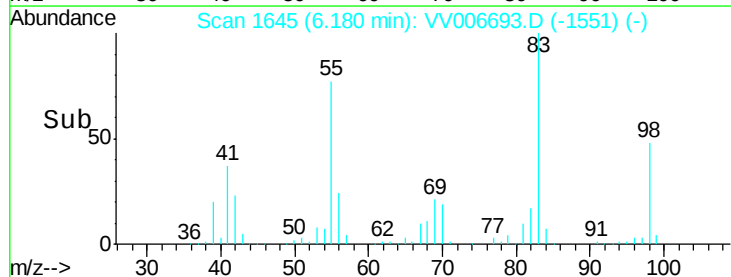
98 48.7 39.4 59.0

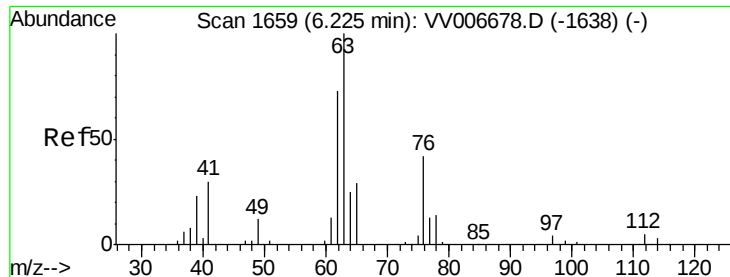


Abundance Ion 83.15 (82.85 to 83.85): VV006693.D (-1551) (-)

Ion 55.10 (54.80 to 55.80): VV006693.D (-1551) (-)

Ion 98.15 (97.85 to 98.85): VV006693.D (-1551) (-)

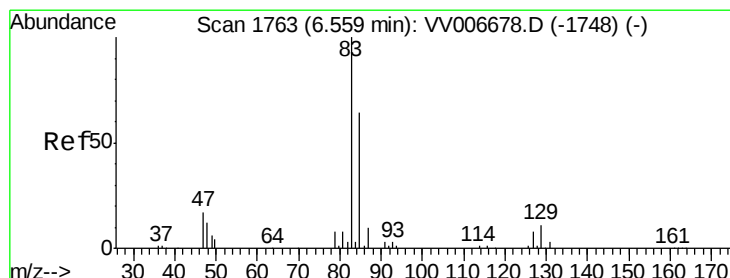
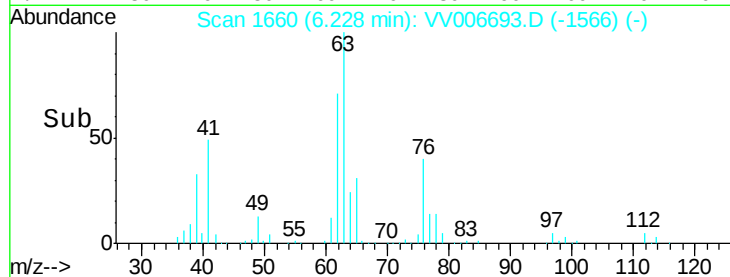
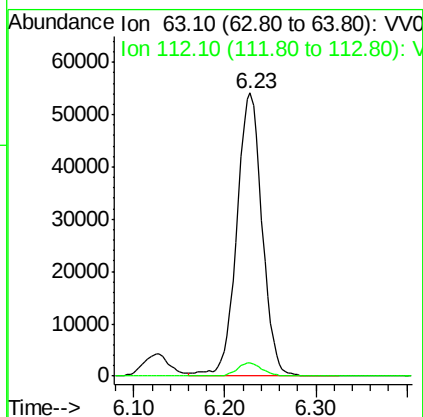
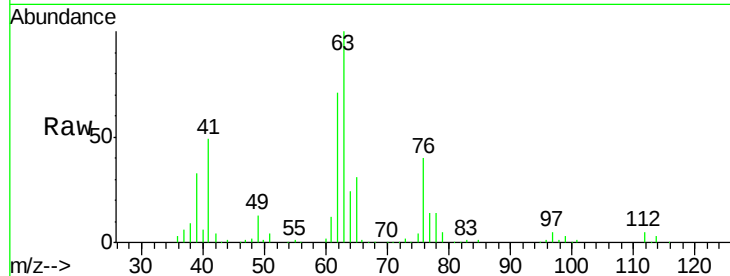




#37
 1,2-Dichloropropane
 Concen: 5.594 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006693.D
 Acq: 21 Jul 2018 18:41

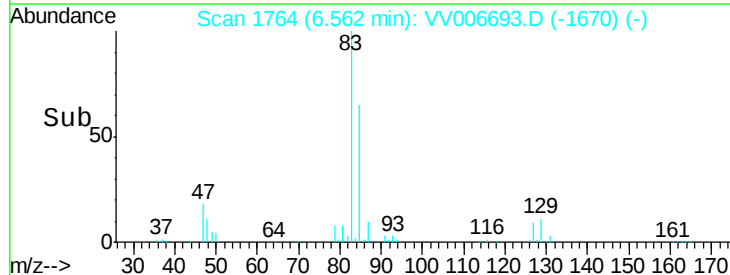
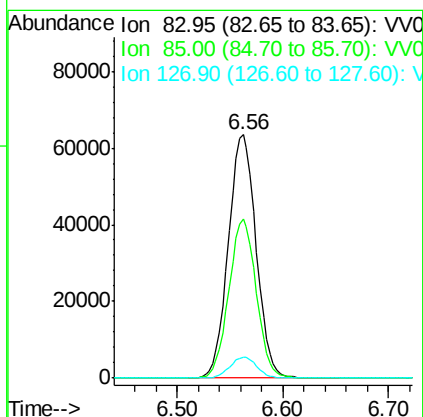
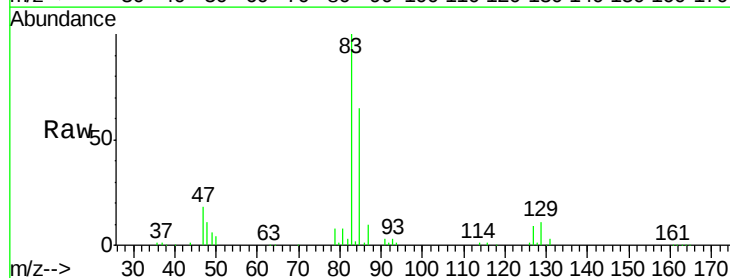
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

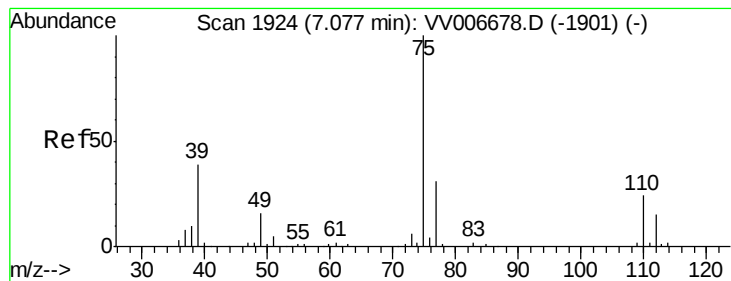
Tgt Ion: 63 Resp: 104918
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.554 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006693.D
 Acq: 21 Jul 2018 18:41

Tgt Ion: 83 Resp: 115705
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.3 82.3
 127 8.7 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 5.469 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

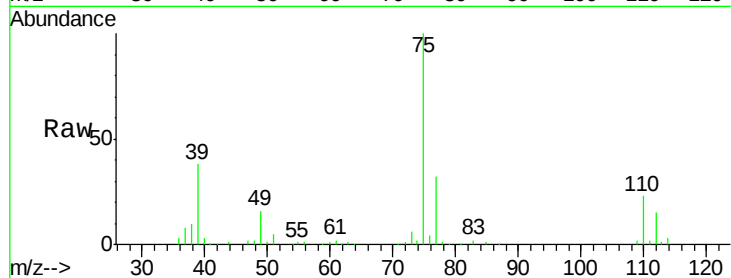
VSTD00574

Tgt Ion: 75 Resp: 134883

Ion Ratio Lower Upper

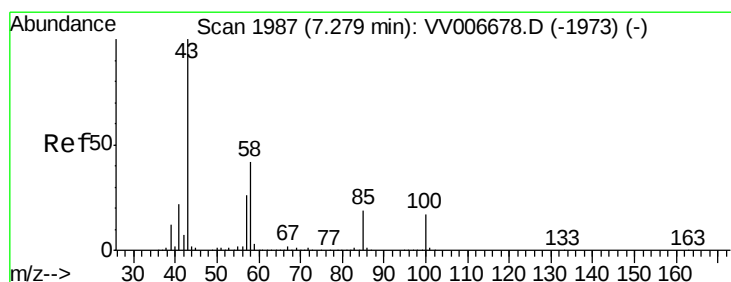
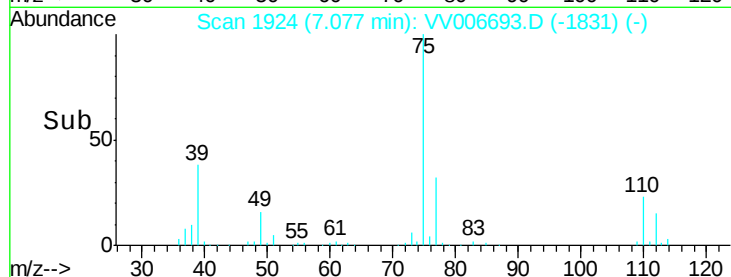
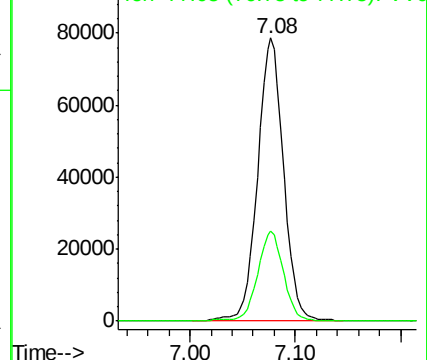
75 100

77 31.8 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 58.985 ug/L

RT: 7.28 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

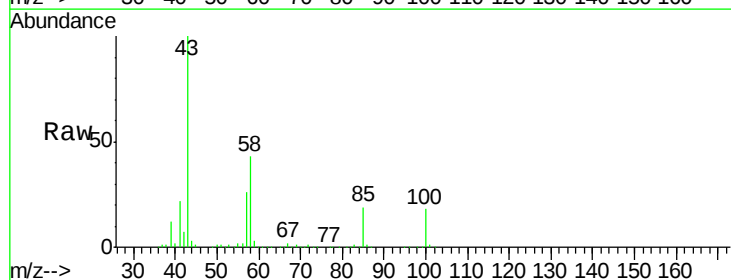
Tgt Ion: 43 Resp: 598034

Ion Ratio Lower Upper

43 100

58 42.6 33.6 50.4

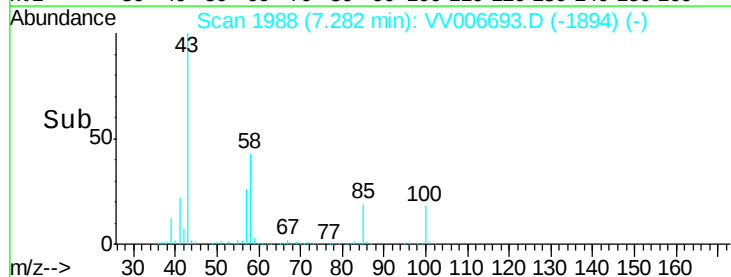
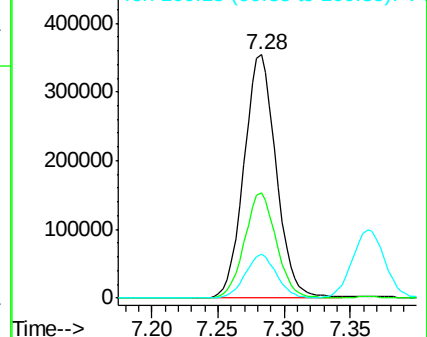
100 17.4 13.8 20.8

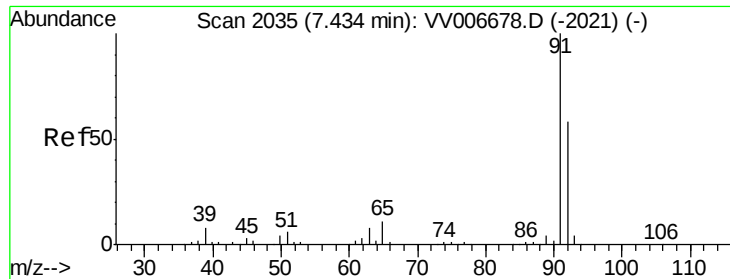


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.559 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

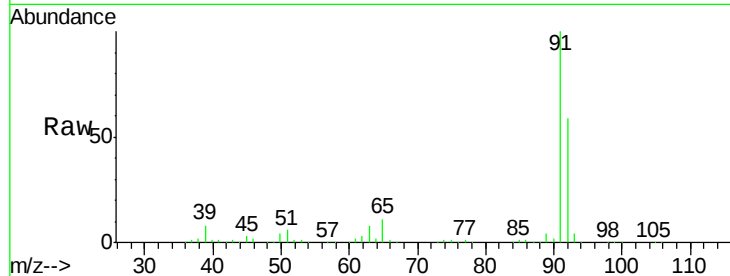
VSTD00574

Tgt Ion: 91 Resp: 422400

Ion Ratio Lower Upper

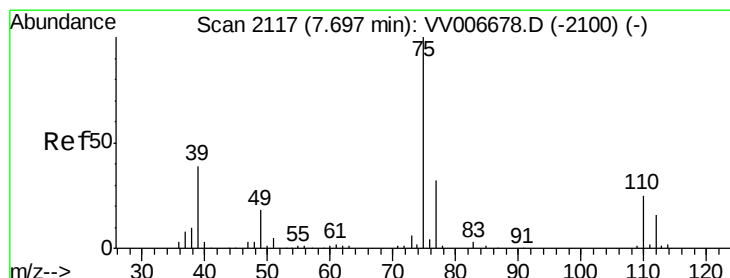
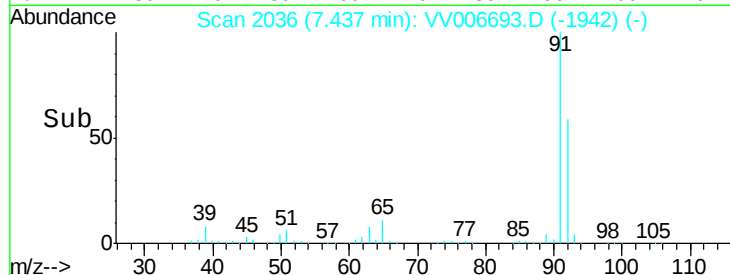
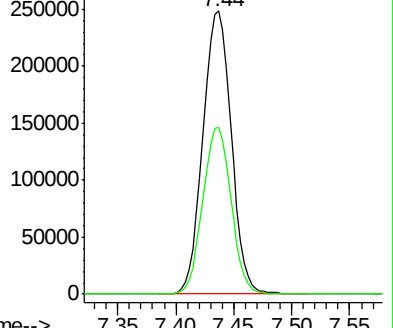
91 100

92 59.0 41.4 76.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.475 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006693.D

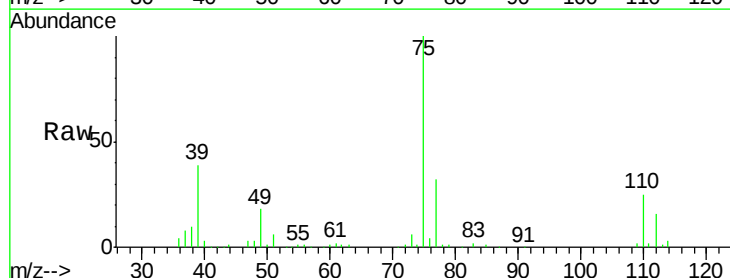
Acq: 21 Jul 2018 18:41

Tgt Ion: 75 Resp: 104984

Ion Ratio Lower Upper

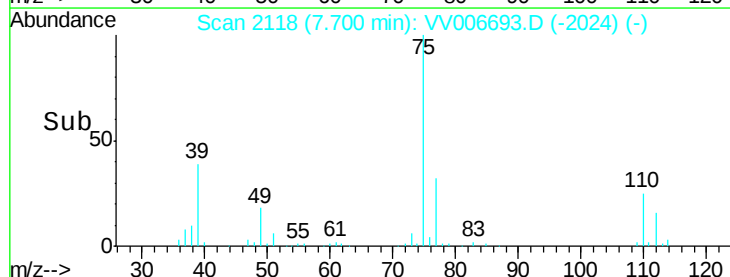
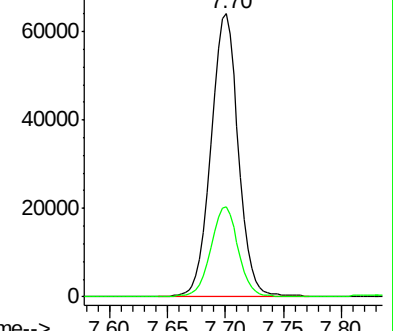
75 100

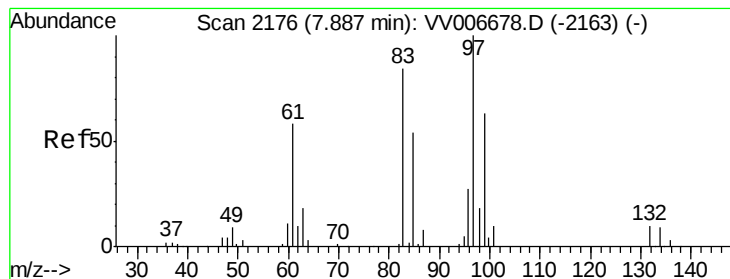
77 31.9 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 5.759 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

Tgt Ion: 97 Resp: 72668

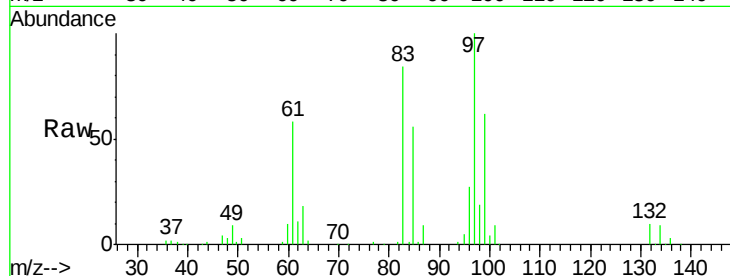
Ion Ratio Lower Upper

97 100

99 61.7 45.2 84.0

83 84.3 60.5 112.3

85 56.1 39.0 72.4

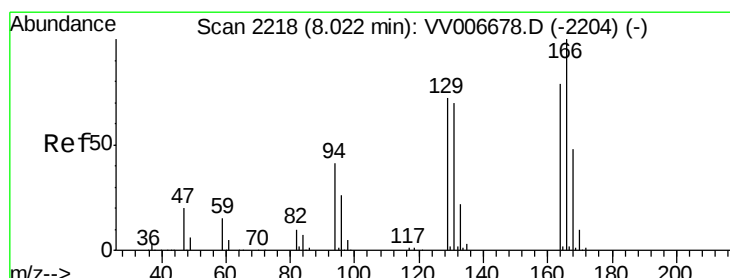
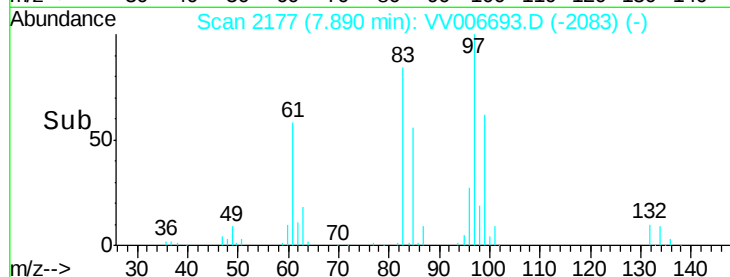
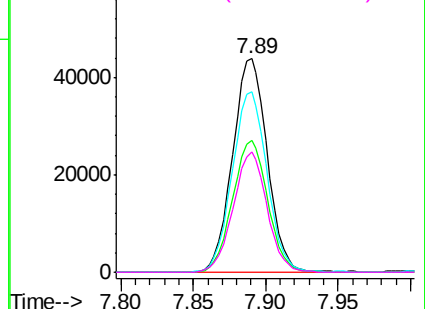


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.349 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Tgt Ion:164 Resp: 79920

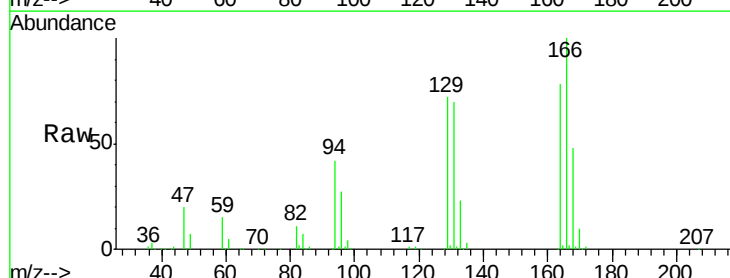
Ion Ratio Lower Upper

164 100

129 92.7 65.9 122.5

131 89.2 62.9 116.7

166 127.9 91.4 169.8

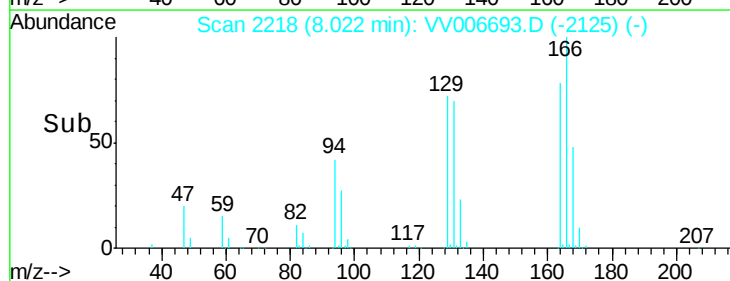
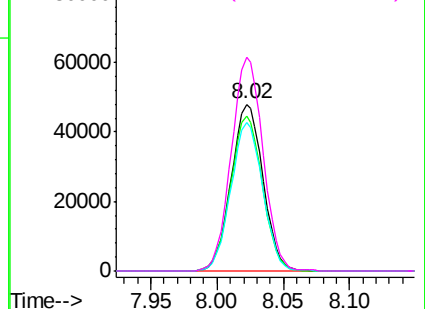


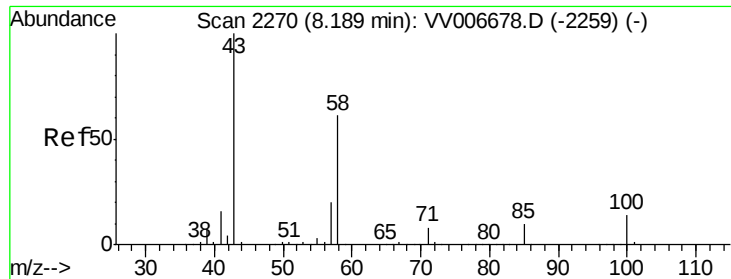
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

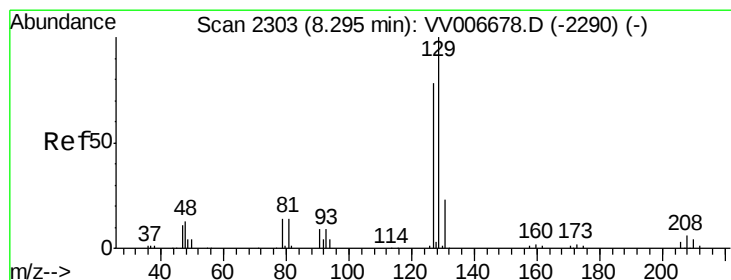
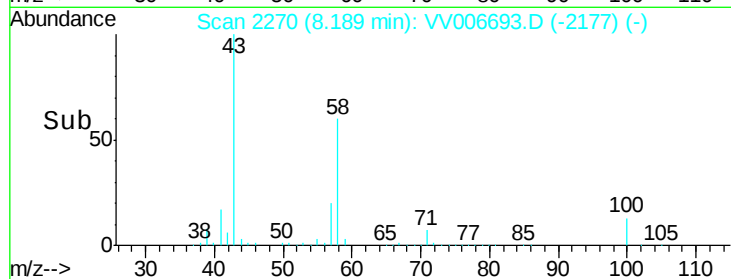
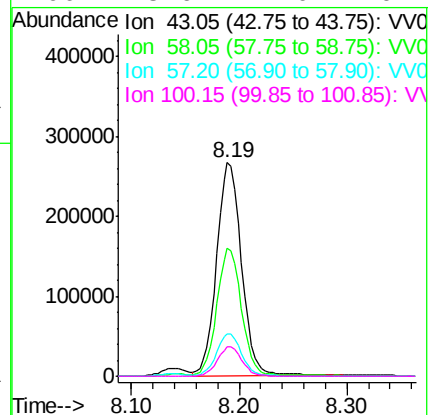
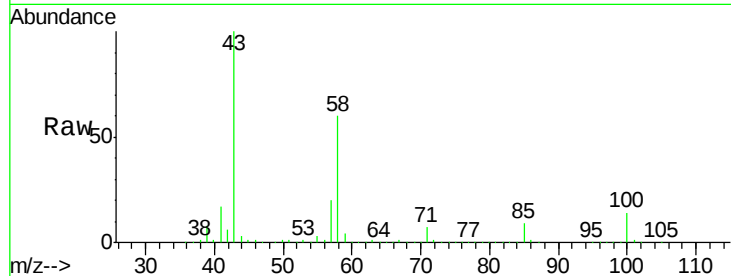




#48
2-Hexanone
Concen: 60.260 ug/L
RT: 8.19 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV006693.D
Acq: 21 Jul 2018 18:41

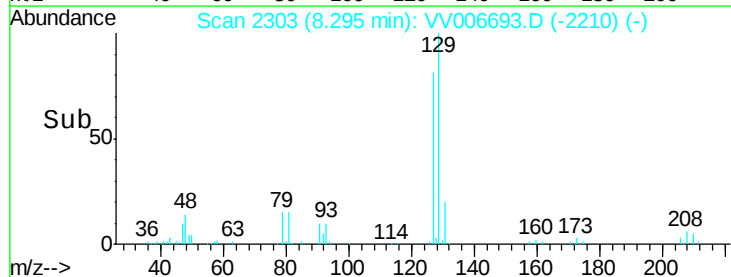
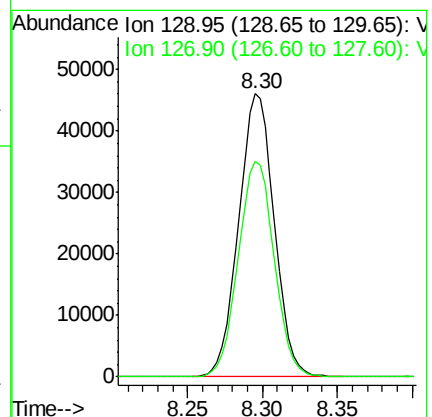
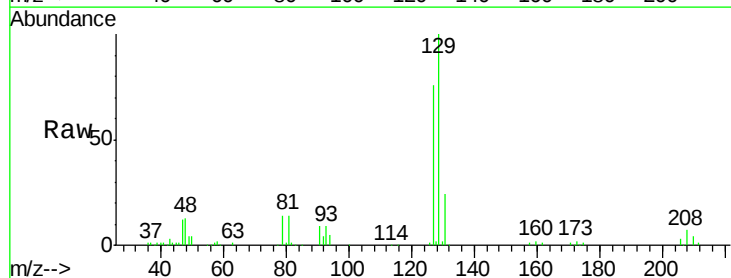
Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

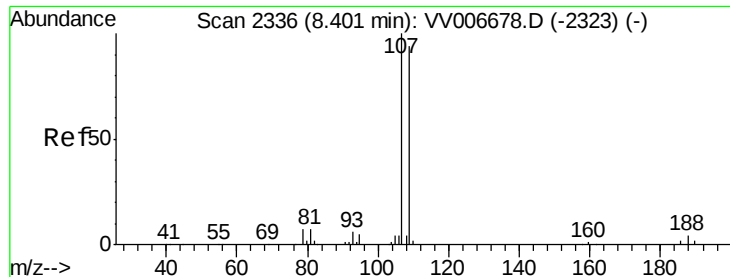
Tgt Ion: 43 Resp: 427092
Ion Ratio Lower Upper
43 100
58 59.5 48.2 72.2
57 19.7 16.2 24.4
100 13.6 11.0 16.4



#49
Dibromochloromethane
Concen: 5.702 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006693.D
Acq: 21 Jul 2018 18:41

Tgt Ion: 129 Resp: 76231
Ion Ratio Lower Upper
129 100
127 76.2 53.6 99.6

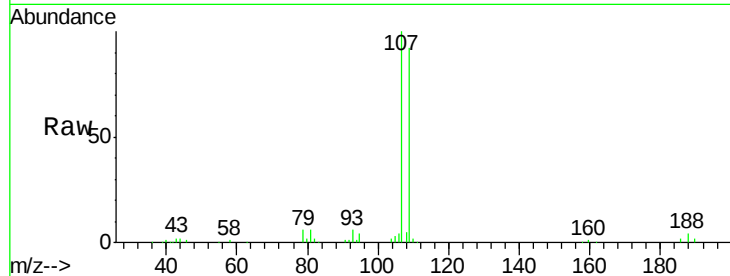




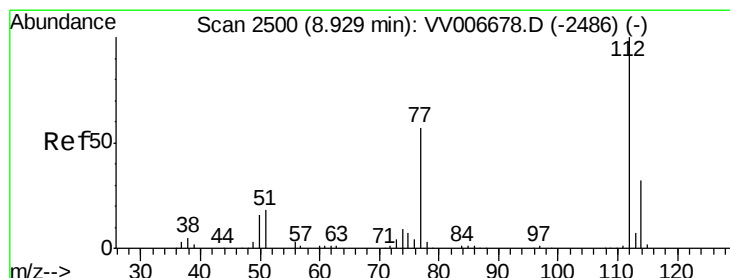
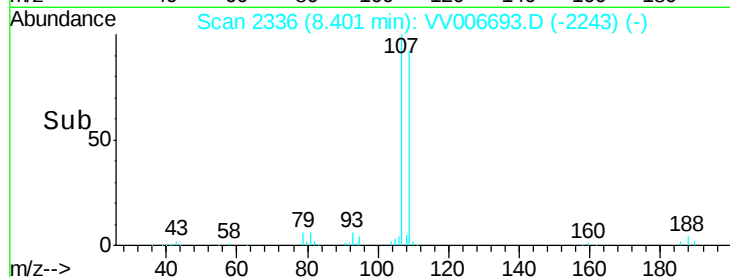
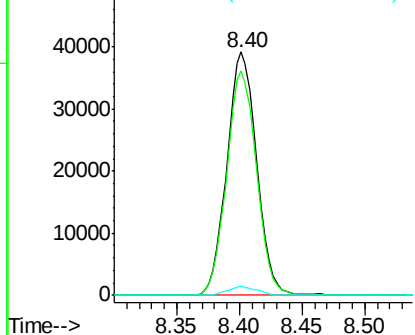
#50
1,2-Dibromoethane
Concen: 5.702 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006693.D
Acq: 21 Jul 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

Tgt Ion:107 Resp: 64670
Ion Ratio Lower Upper
107 100
109 92.1 66.0 122.6
188 3.6 3.1 4.7

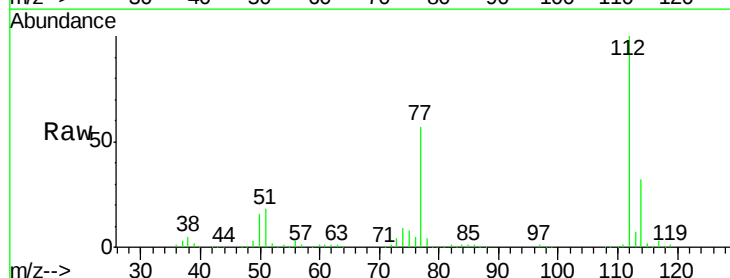


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

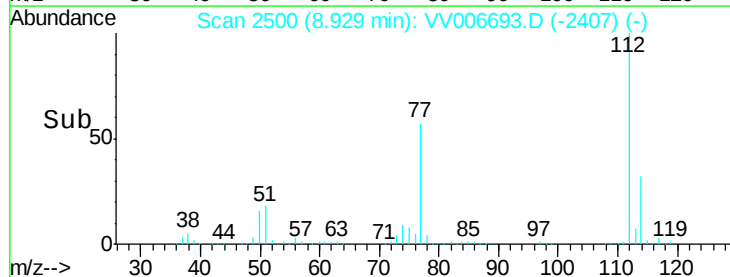
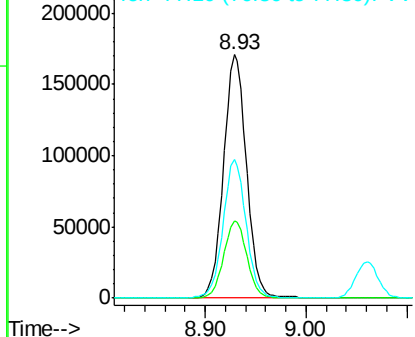


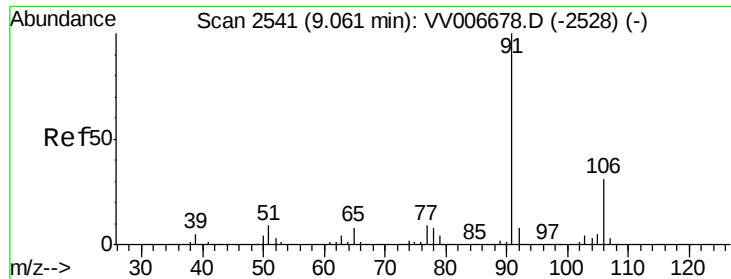
#51
Chlorobenzene
Concen: 5.519 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006693.D
Acq: 21 Jul 2018 18:41

Tgt Ion:112 Resp: 272500
Ion Ratio Lower Upper
112 100
114 31.6 21.8 40.4
77 57.2 46.6 69.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.535 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

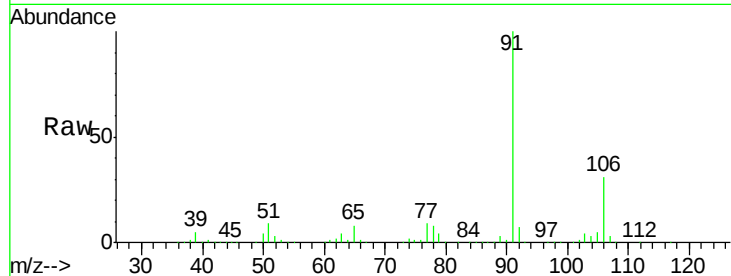
VSTD00574

Tgt Ion: 91 Resp: 451532

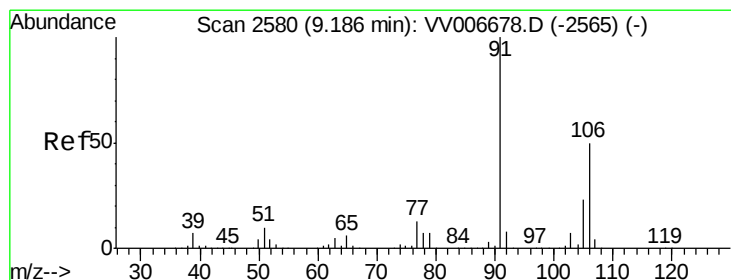
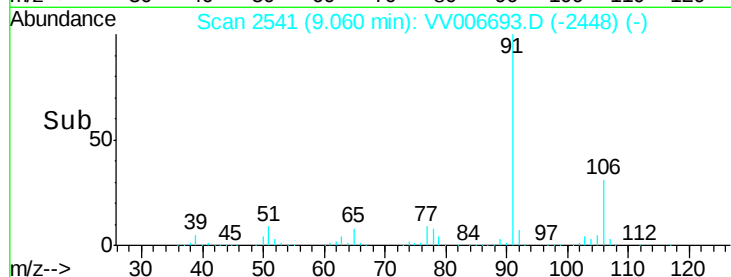
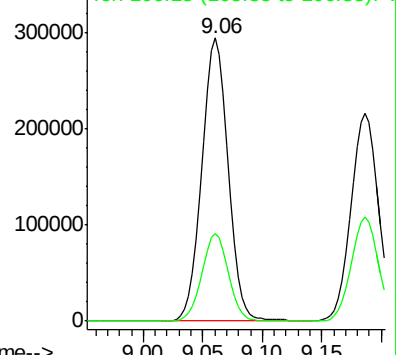
Ion Ratio Lower Upper

91 100

106 31.1 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV006678.D (-2528) (-)



#53

m,p-xylene

Concen: 5.588 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006693.D

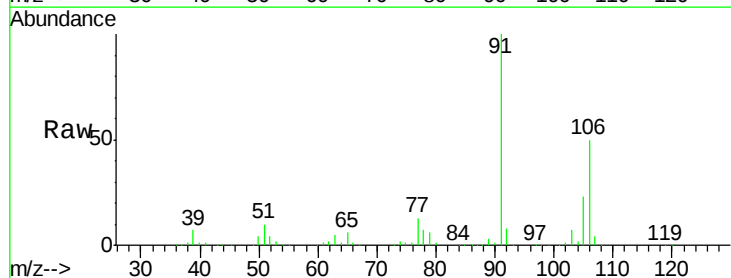
Acq: 21 Jul 2018 18:41

Tgt Ion: 106 Resp: 173336

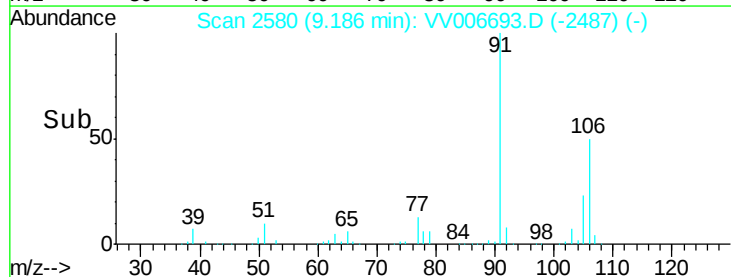
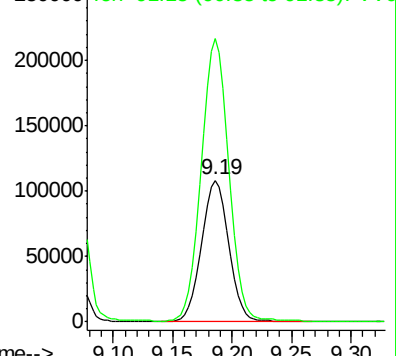
Ion Ratio Lower Upper

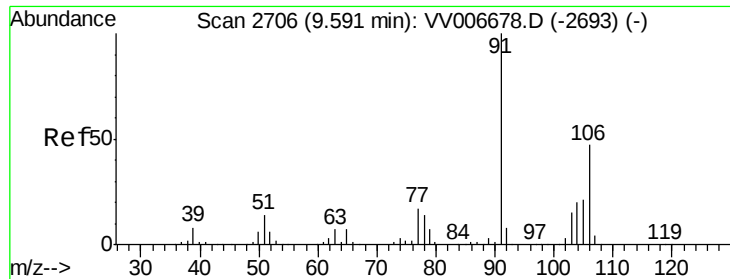
106 100

91 199.9 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): VV006678.D (-2565) (-)





#54

o-xylene

Concen: 5.559 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

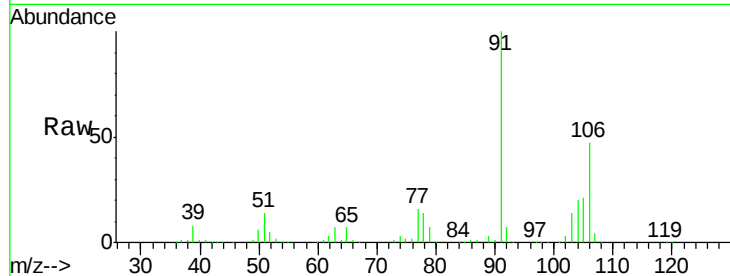
VSTD00574

Tgt Ion:106 Resp: 168224

Ion Ratio Lower Upper

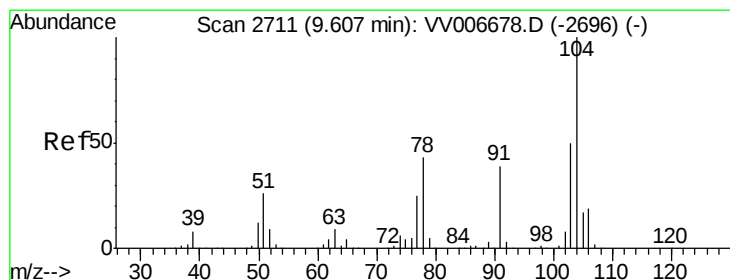
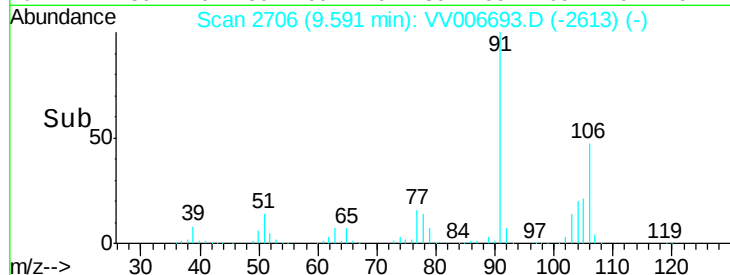
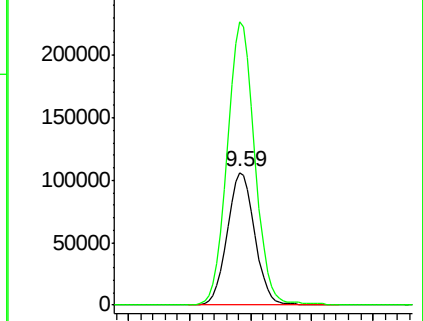
106 100

91 213.2 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.742 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV006693.D

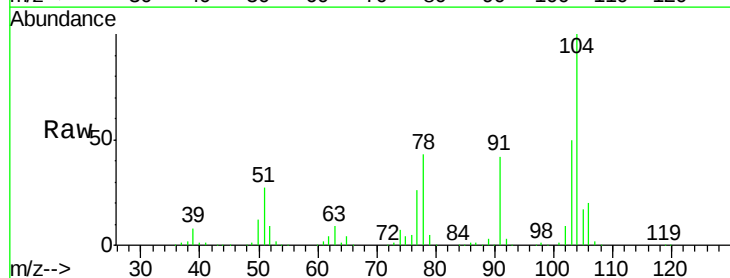
Acq: 21 Jul 2018 18:41

Tgt Ion:104 Resp: 290915

Ion Ratio Lower Upper

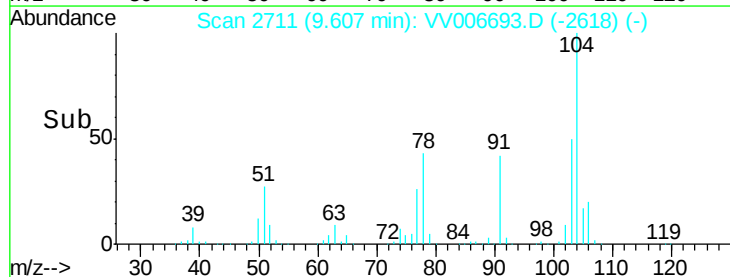
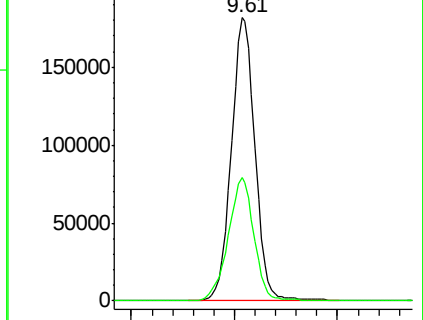
104 100

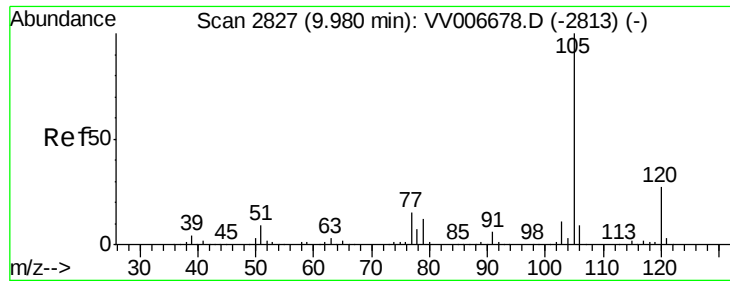
78 43.5 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.591 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

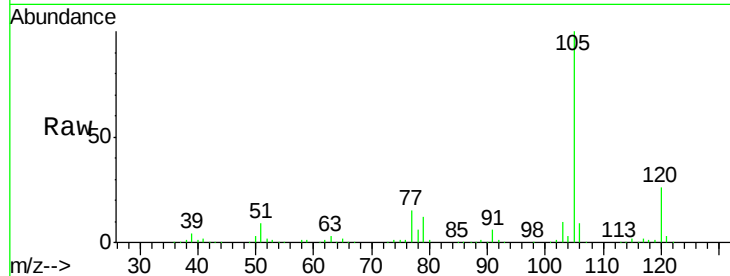
Tgt Ion: 105 Resp: 443877

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

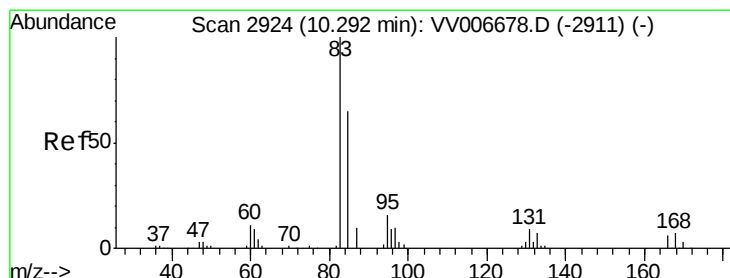
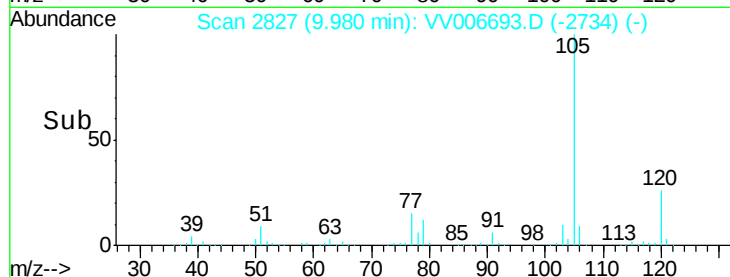
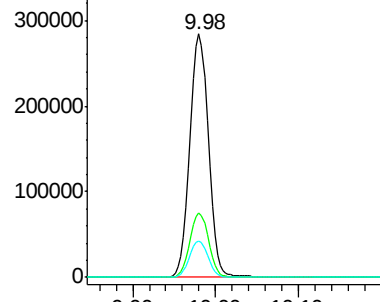
77 15.1 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.931 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

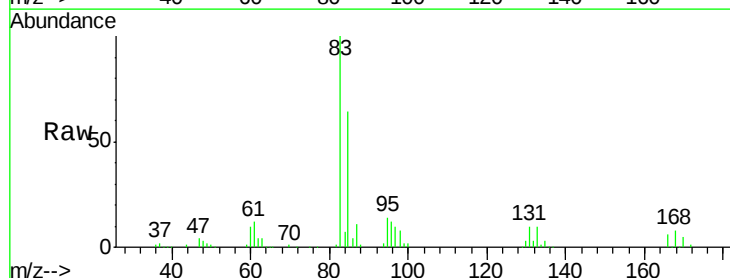
Tgt Ion: 83 Resp: 89753

Ion Ratio Lower Upper

83 100

85 64.1 44.4 82.5

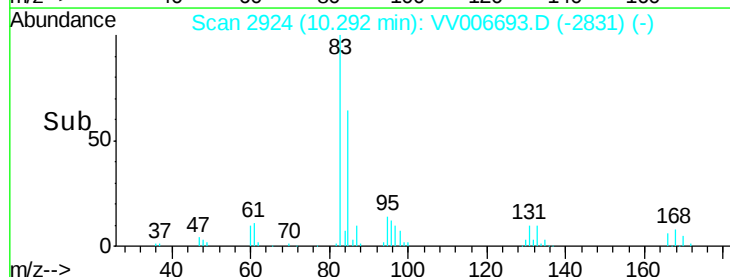
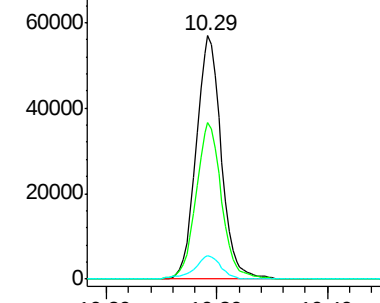
131 9.9 7.4 11.2

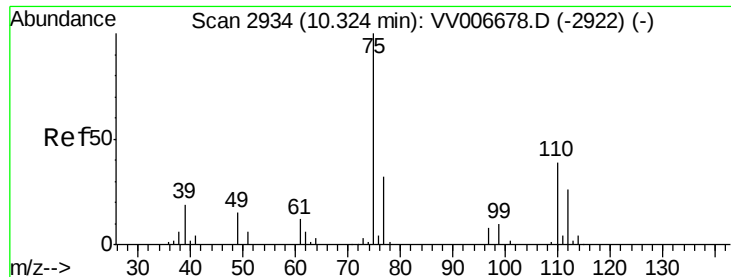


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.706 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

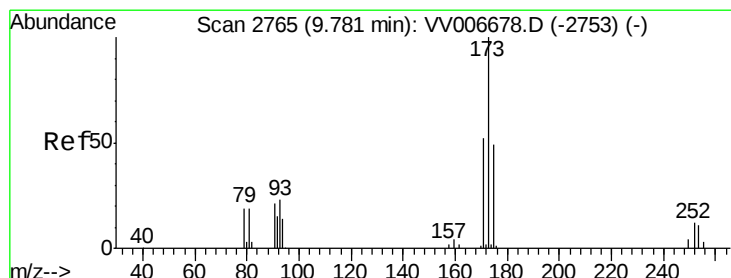
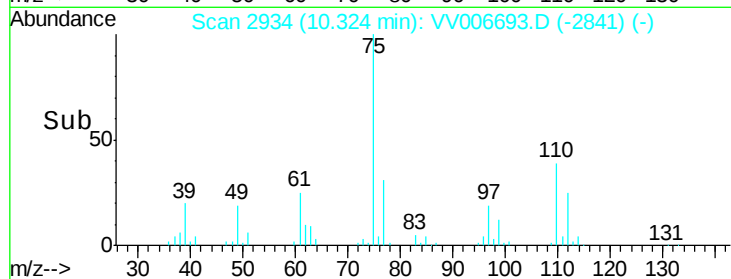
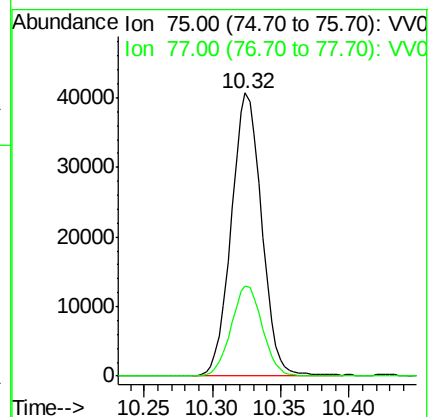
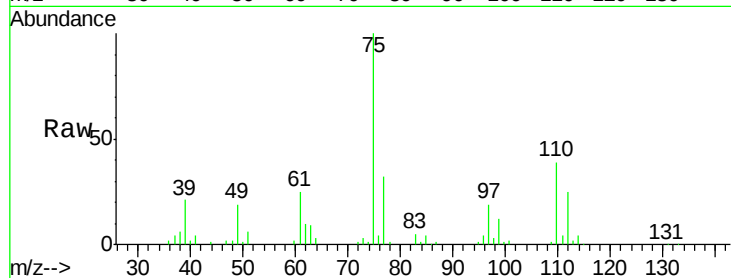
VSTD00574

Tgt Ion: 75 Resp: 63098

Ion Ratio Lower Upper

75 100

77 33.0 26.2 39.4



#61

Bromoform

Concen: 5.624 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

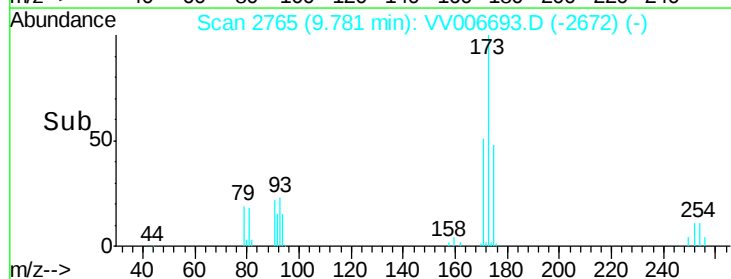
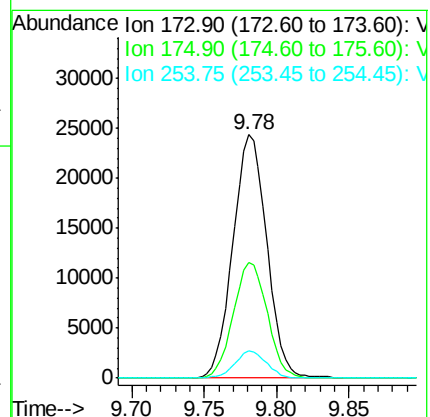
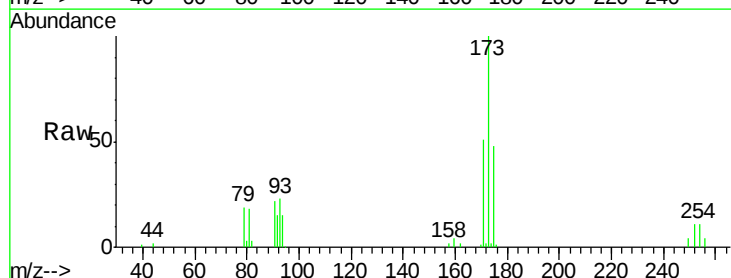
Tgt Ion: 173 Resp: 39567

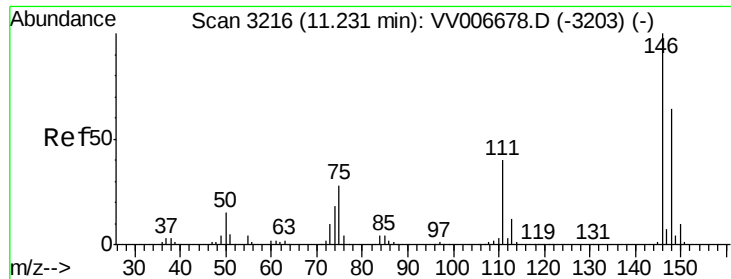
Ion Ratio Lower Upper

173 100

175 47.2 38.9 58.3

254 10.4 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 5.357 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

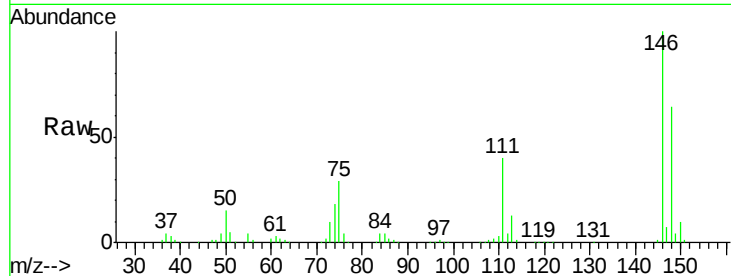
Tgt Ion:146 Resp: 198643

Ion Ratio Lower Upper

146 100

111 39.8 27.2 50.6

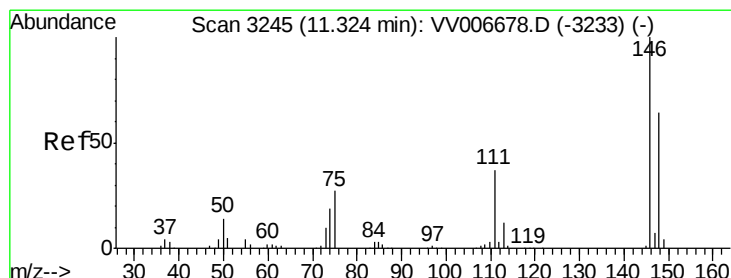
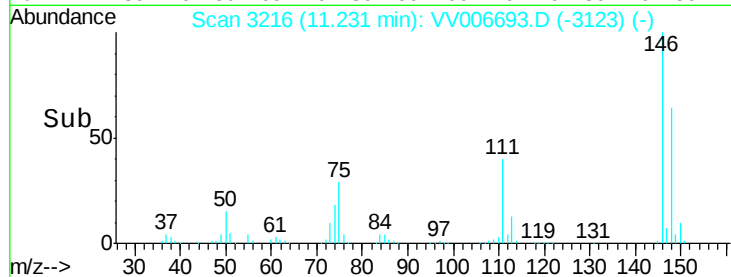
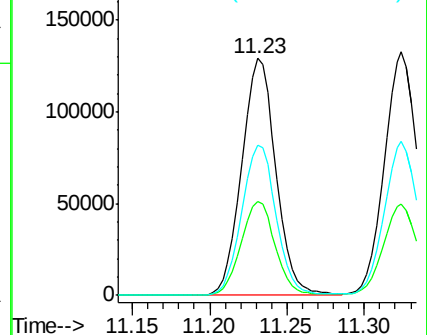
148 63.7 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.415 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

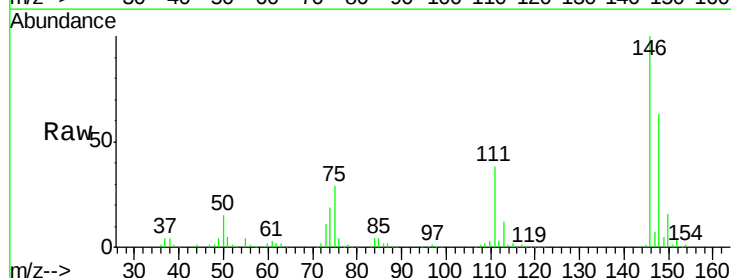
Tgt Ion:146 Resp: 204009

Ion Ratio Lower Upper

146 100

111 37.5 26.0 48.4

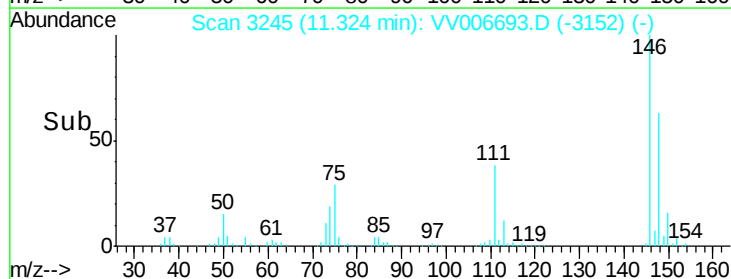
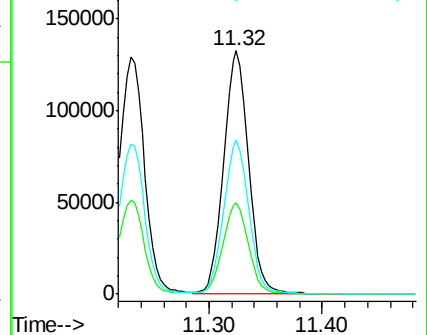
148 63.1 44.6 82.8

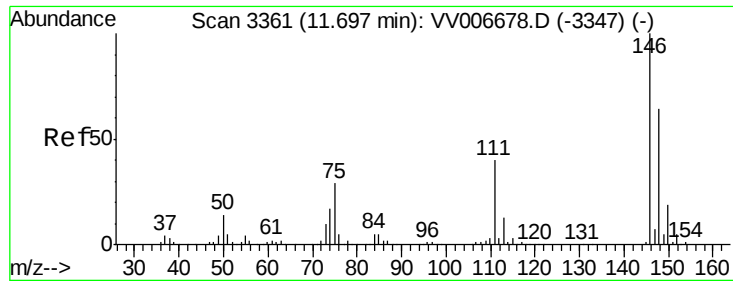


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

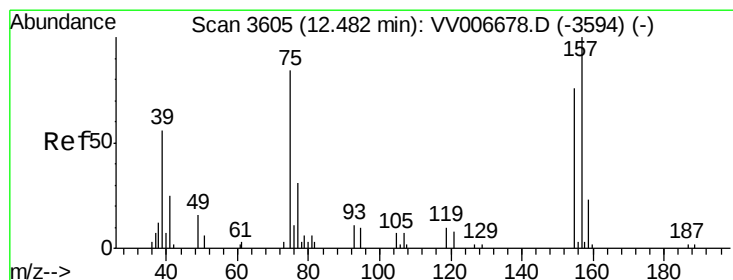
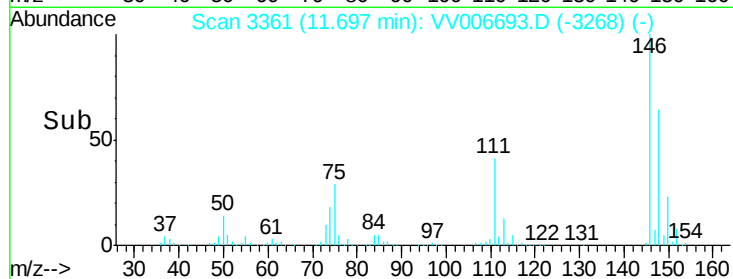
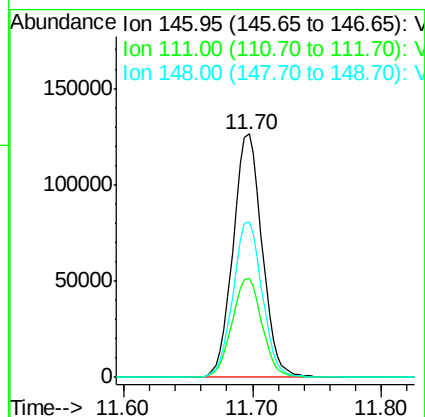
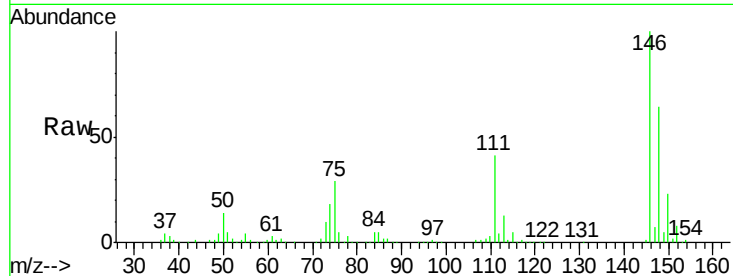




#65
 1,2-Dichlorobenzene
 Concen: 5.568 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV006693.D
 Acq: 21 Jul 2018 18:41

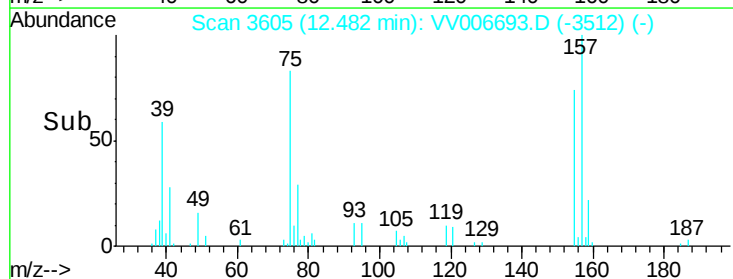
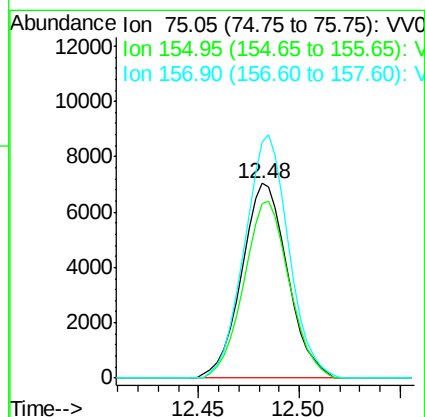
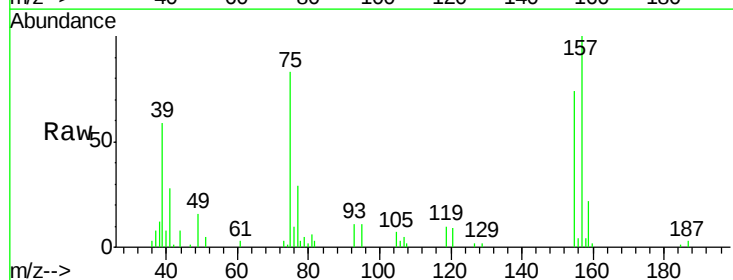
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

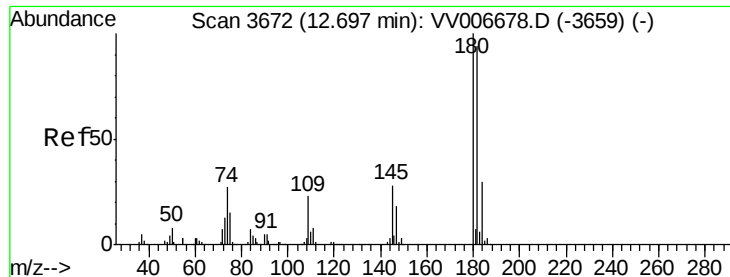
Tgt Ion: 146 Resp: 197909
 Ion Ratio Lower Upper
 146 100
 111 40.5 32.6 49.0
 148 64.0 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.300 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV006693.D
 Acq: 21 Jul 2018 18:41

Tgt Ion: 75 Resp: 11180
 Ion Ratio Lower Upper
 75 100
 155 89.3 69.8 104.6
 157 121.1 95.0 142.6

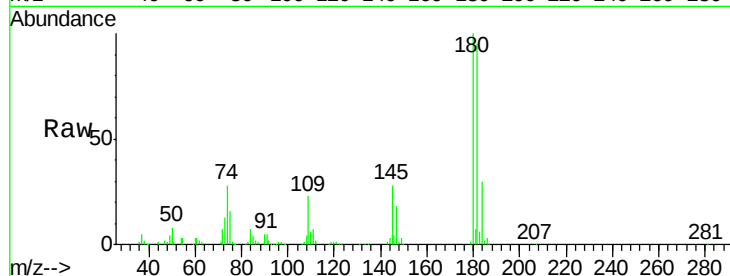




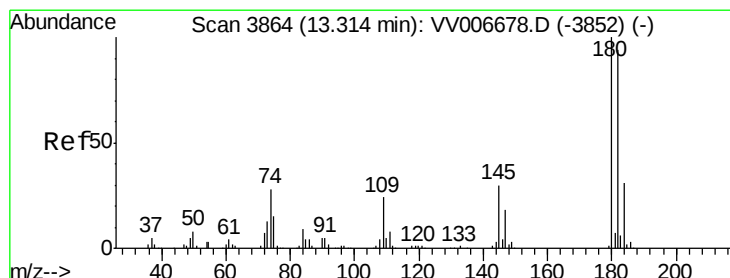
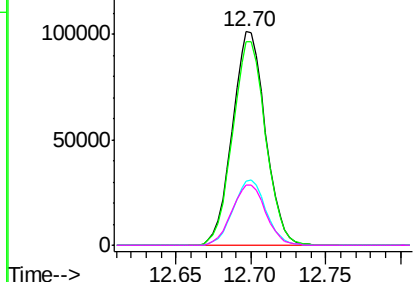
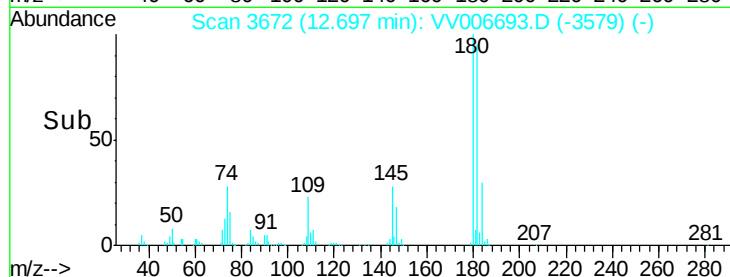
#67
 1,3,5-Trichlorobenzene
 Concen: 5.411 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV006693.D
 Acq: 21 Jul 2018 18:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

Tgt Ion:180 Resp: 155065
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.4 116.0
 184 30.4 24.2 36.2
 145 28.9 23.2 34.8

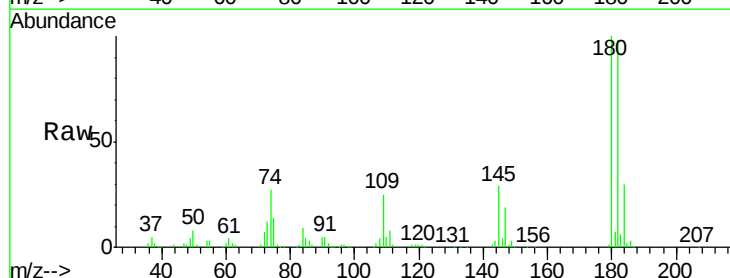


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

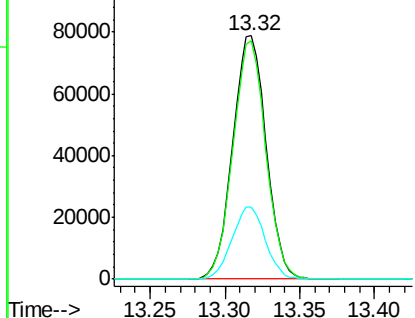
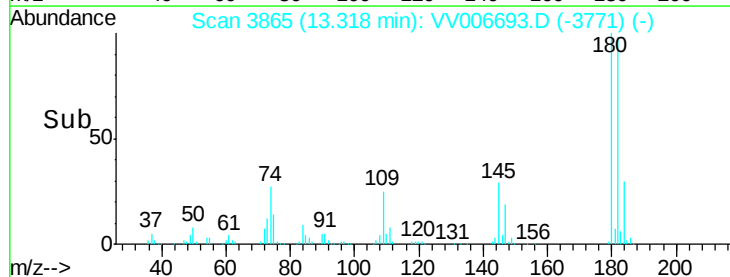


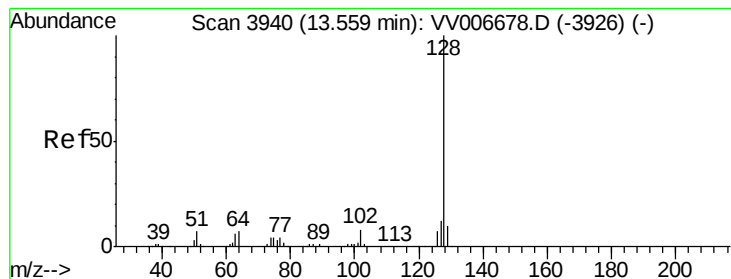
#68
 1,2,4-trichlorobenzene
 Concen: 5.399 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006693.D
 Acq: 21 Jul 2018 18:41

Tgt Ion:180 Resp: 122735
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.8 113.8
 145 29.3 23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.341 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

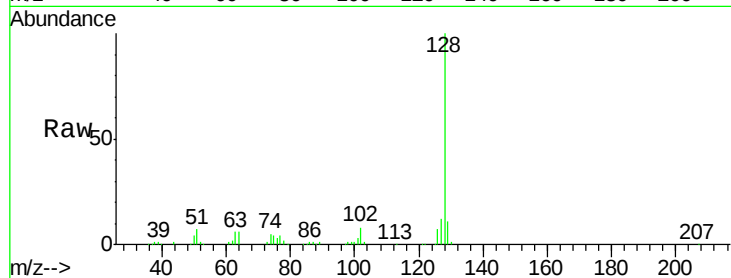
Tgt Ion:128 Resp: 210223

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

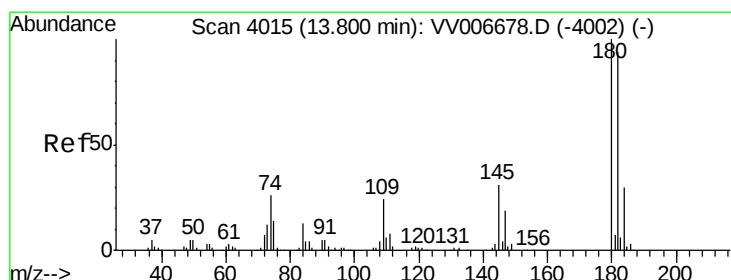
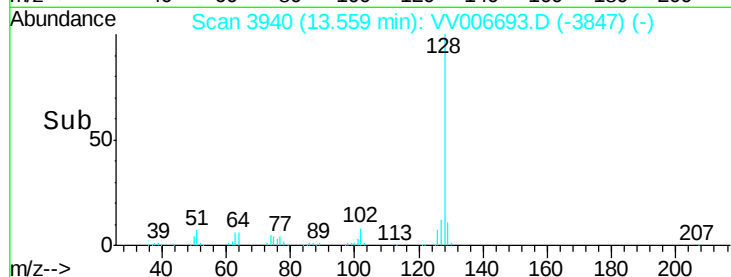
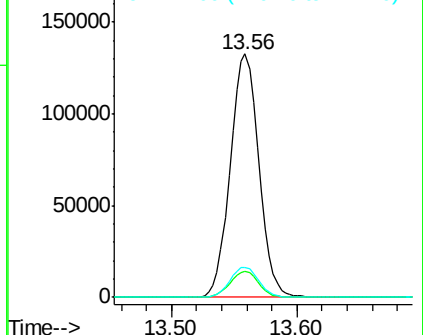
127 12.5 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.473 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006693.D

Acq: 21 Jul 2018 18:41

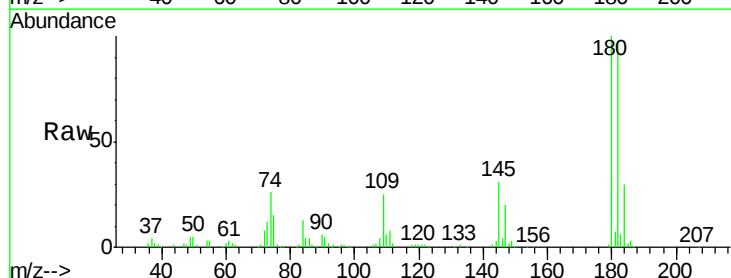
Tgt Ion:180 Resp: 117214

Ion Ratio Lower Upper

180 100

182 96.5 75.9 113.9

145 31.4 25.0 37.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

