

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072018\
 Data File : VV006657.D
 Acq On : 20 Jul 2018 10:01
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Quant Time: Jul 26 02:02:37 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	247826	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	226914	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	110295	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85979	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	1.58	69	65098	5.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.00%
11) 1,1-Dichloroethene-d2	2.13	63	174364	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.20%
20) 2-Butanone-d5	3.95	46	125158	33.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	66.26%
24) Chloroform-d	4.40	84	152972	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.09	65	70973	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.10	84	325518	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.12	67	101366	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.36	98	307406	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
43) trans-1,3-Dichloropropene-	7.67	79	34113	5.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.20%
46) 2-Hexanone-d5	8.14	63	151982	47.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.02%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	70780	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	104845	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	100210	4.253 ug/L	# 84
3) Chloromethane	1.26	50	107614	5.400 ug/L	98
5) Vinyl chloride	1.32	62	137403	5.339 ug/L	92
6) Bromomethane	1.52	94	36453	4.995 ug/L	95
8) Chloroethane	1.59	64	80835	5.467 ug/L	100
9) Trichlorofluoromethane	1.77	101	173627	5.621 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	109499	5.656 ug/L	99
12) 1,1-Dichloroethene	2.14	96	101148	5.513 ug/L	95
13) Acetone	2.19	43	147261	50.832 ug/L	98
14) Carbon disulfide	2.32	76	327354	5.502 ug/L	100
15) Methyl Acetate	2.46	43	42602	5.012 ug/L	99
16) Methylene chloride	2.54	84	112112	4.857 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	240542	5.311 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	110899	5.484 ug/L	97
19) 1,1-Dichloroethane	3.23	63	202925	5.684 ug/L	100
21) 2-Butanone	4.03	43	253498	52.244 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	117417	5.546 ug/L	97

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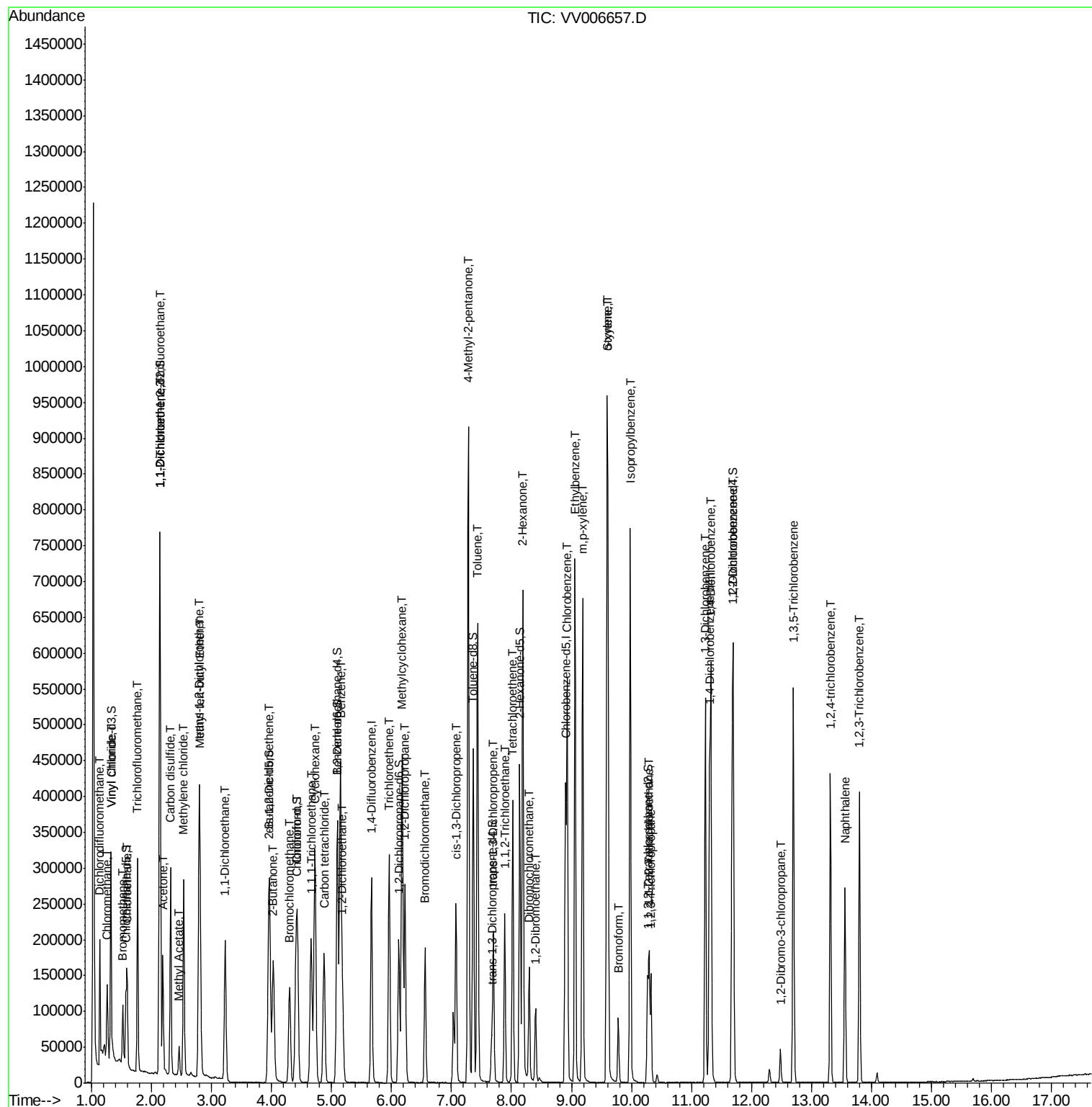
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47256	5.482	ug/L	99
25) Chloroform	4.43	83	196295	5.706	ug/L	98
27) 1,2-Dichloroethane	5.19	62	110852	5.515	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	160030	5.643	ug/L	100
30) Cyclohexane	4.72	56	177837	5.609	ug/L	99
31) Carbon tetrachloride	4.88	117	136433	5.624	ug/L	100
33) Benzene	5.15	78	451900	5.662	ug/L	100
34) Trichloroethene	5.96	95	110547	5.474	ug/L	98
35) Methylcyclohexane	6.18	83	191484	5.681	ug/L	98
37) 1,2-Dichloropropane	6.22	63	114891	5.643	ug/L	100
38) Bromodichloromethane	6.56	83	124419	5.501	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	149842	5.596	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	574604	52.203	ug/L	99
42) Toluene	7.43	91	471287	5.713	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	113823	5.468	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	73730	5.382	ug/L	98
47) Tetrachloroethene	8.02	164	91445	5.638	ug/L	98
48) 2-Hexanone	8.19	43	410131	53.302	ug/L	99
49) Dibromochloromethane	8.30	129	80909	5.574	ug/L	100
50) 1,2-Dibromoethane	8.40	107	65388	5.311	ug/L	100
51) Chlorobenzene	8.93	112	300641	5.608	ug/L	98
52) Ethylbenzene	9.06	91	508247	5.739	ug/L	100
53) m,p-xylene	9.19	106	197173	5.855	ug/L	98
54) o-xylene	9.59	106	190608	5.802	ug/L	97
55) Styrene	9.61	104	323699	5.885	ug/L	99
56) Isopropylbenzene	9.98	105	501656	5.820	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	88925	5.412	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	63047	5.251	ug/L	100
61) Bromoform	9.78	173	39923	5.237	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	223926	5.574	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	225922	5.535	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	214104	5.559	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11864	5.191	ug/L	91
67) 1,3,5-Trichlorobenzene	12.70	180	176652	5.689	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	136817	5.554	ug/L	99
69) Naphthalene	13.56	128	218781	5.131	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	127741	5.505	ug/L	99

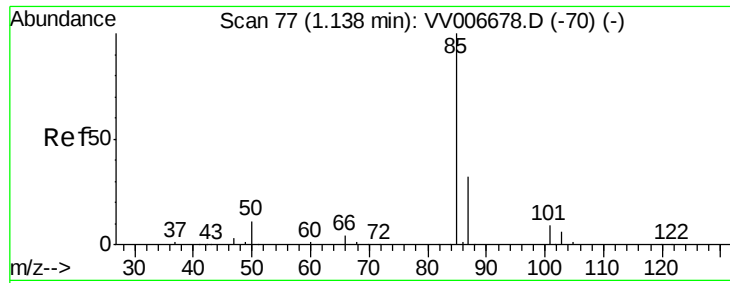
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.253 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

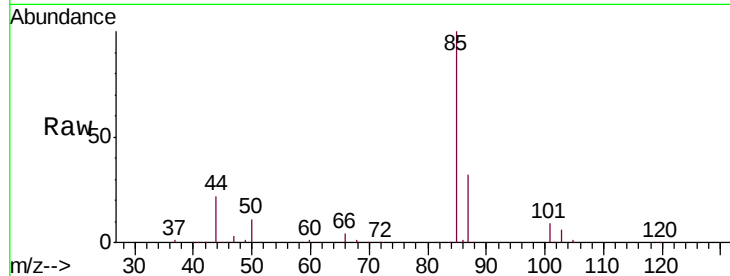
VSTD00571

Tgt Ion: 85 Resp: 100210

Ion Ratio Lower Upper

85 100

87 32.3 19.4 29.2#



Abundance Ion 85.00 (84.70 to 85.70): VV006678.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006678.D (-70) (-)

120000

100000

80000

60000

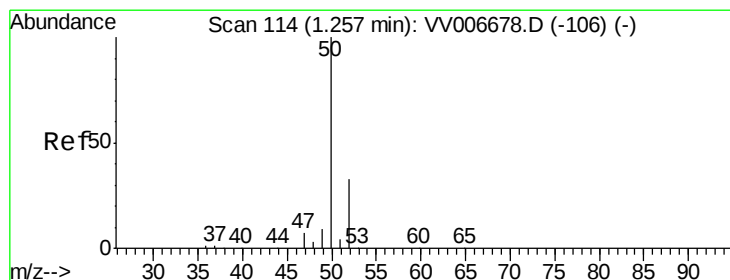
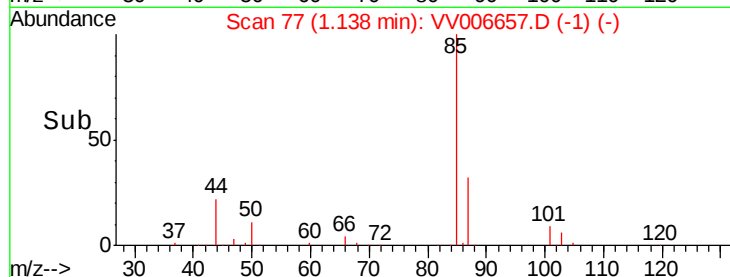
40000

20000

0

1.10 1.12 1.14 1.16

Time-->



#3

Chloromethane

Concen: 5.400 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006657.D

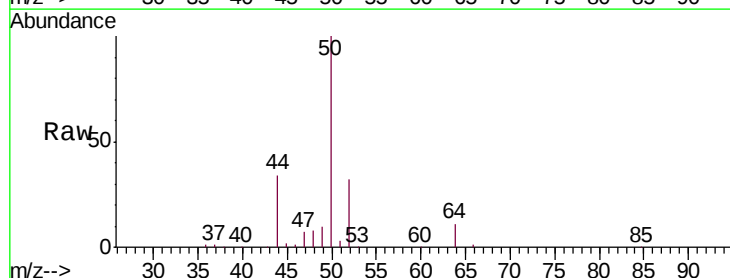
Acq: 20 Jul 2018 10:01

Tgt Ion: 50 Resp: 107614

Ion Ratio Lower Upper

50 100

52 32.0 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VV006678.D (-106) (-)

Ion 52.05 (51.75 to 52.75): VV006678.D (-106) (-)

60000

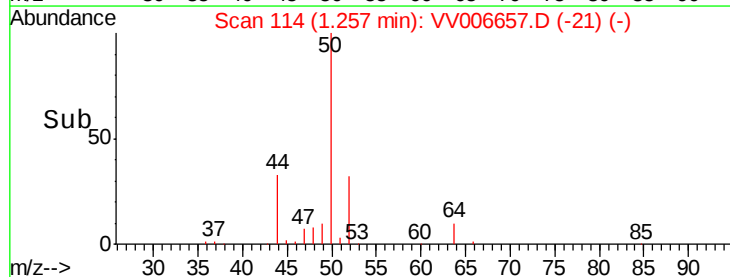
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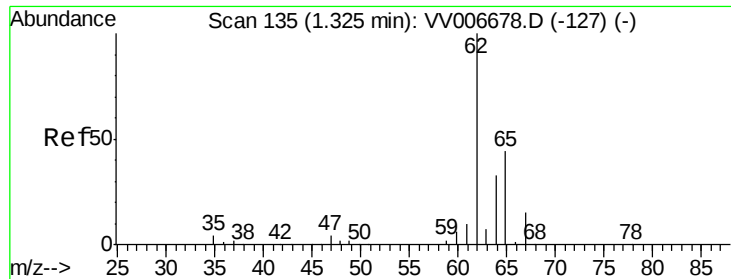
20000

0

1.20 1.25 1.30 1.35

Time-->





#5

Vinyl chloride

Concen: 5.339 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

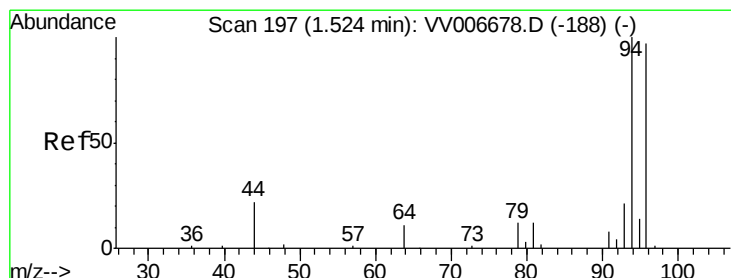
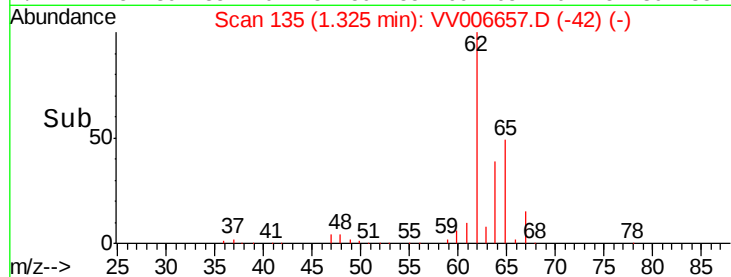
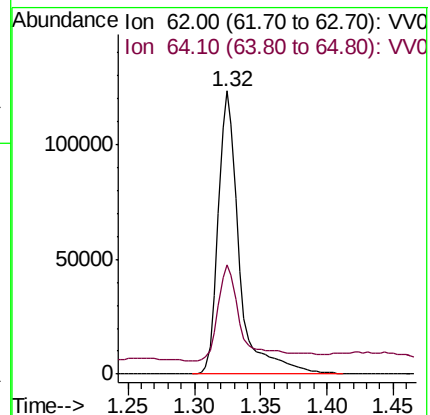
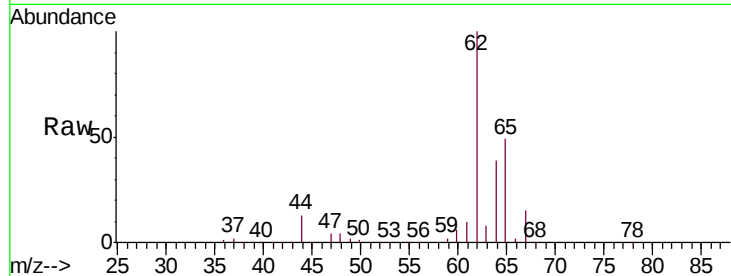
VSTD00571

Tgt Ion: 62 Resp: 137403

Ion Ratio Lower Upper

62 100

64 38.6 23.7 44.1



#6

Bromomethane

Concen: 4.995 ug/L

RT: 1.52 min Scan# 196

Delta R.T. -0.00 min

Lab File: VV006657.D

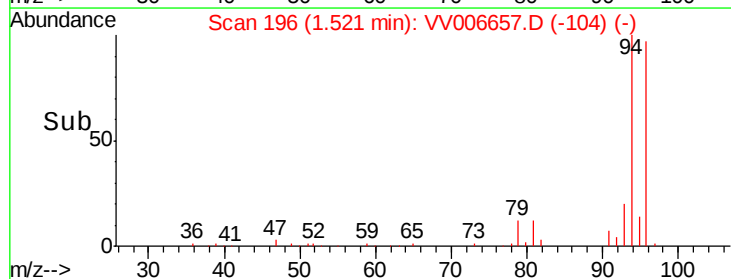
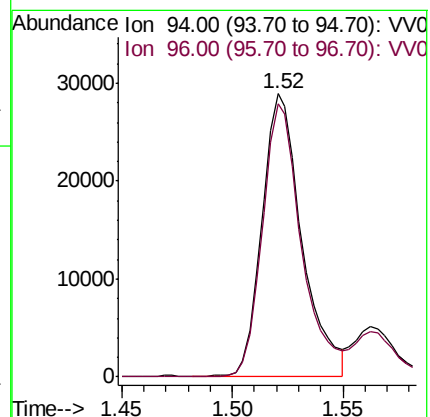
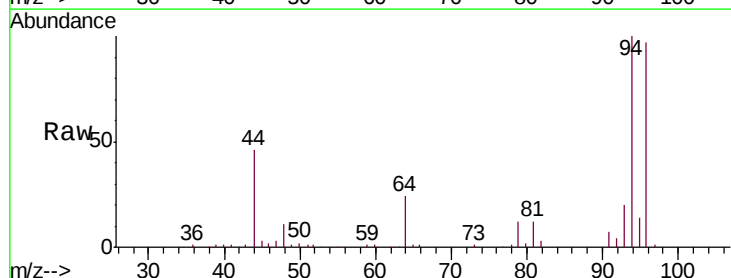
Acq: 20 Jul 2018 10:01

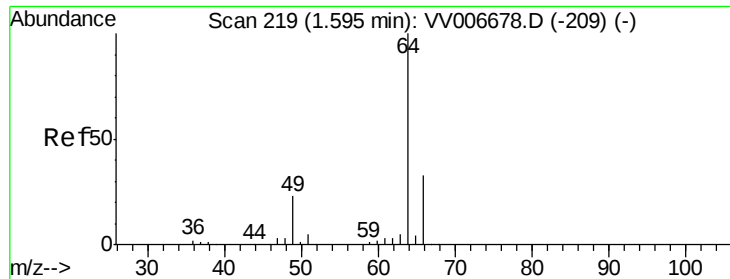
Tgt Ion: 94 Resp: 36453

Ion Ratio Lower Upper

94 100

96 96.7 64.5 119.7





#8

Chloroethane

Concen: 5.467 ug/L

RT: 1.59 min Scan# 219

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

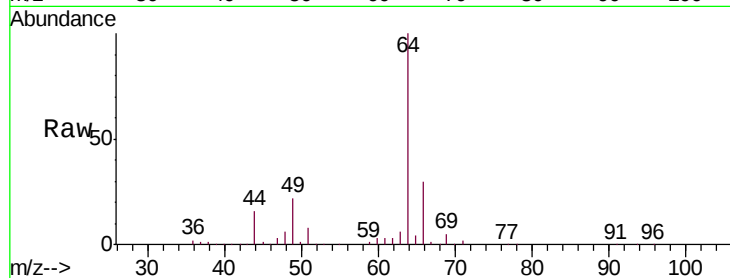
VSTD00571

Tgt Ion: 64 Resp: 80835

Ion Ratio Lower Upper

64 100

66 30.1 21.1 39.3



Abundance Ion 64.10 (63.80 to 64.80): VV006678.D (-209) (-)

Ion 66.05 (65.75 to 66.75): VV006657.D (-126) (-)

1.59

80000

60000

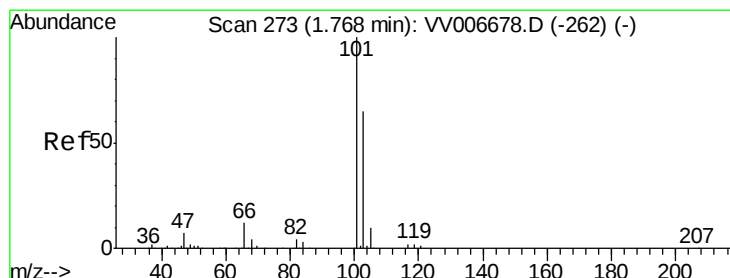
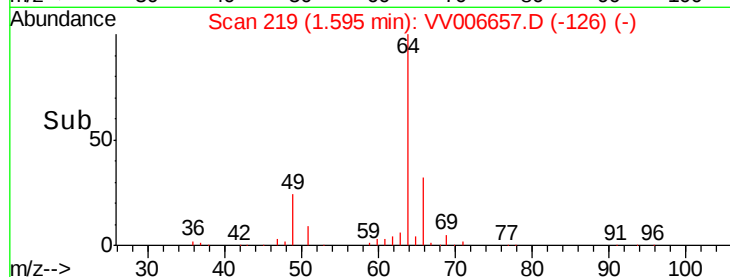
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 5.621 ug/L

RT: 1.77 min Scan# 273

Delta R.T. -0.00 min

Lab File: VV006657.D

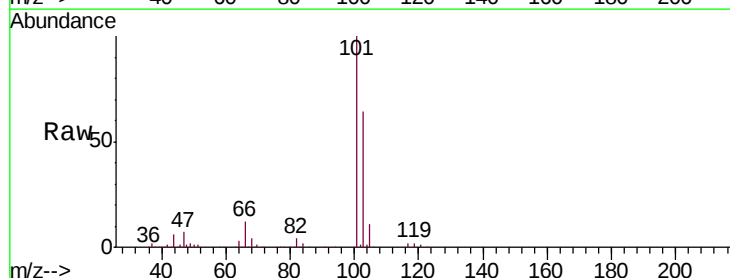
Acq: 20 Jul 2018 10:01

Tgt Ion: 101 Resp: 173627

Ion Ratio Lower Upper

101 100

103 64.1 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VV006678.D (-262) (-)

Ion 103.00 (102.70 to 103.70): VV006657.D (-180) (-)

1.77

150000

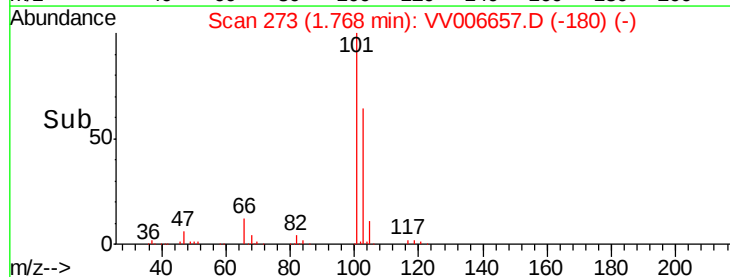
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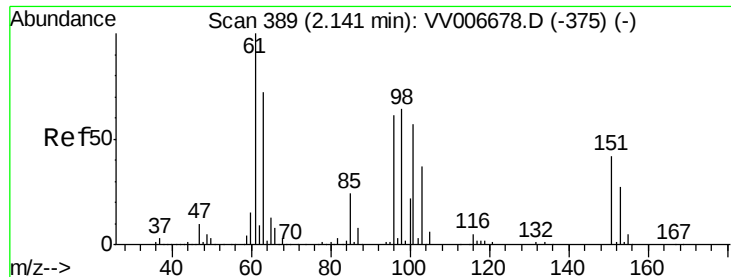
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0

1.70 1.75 1.80 1.85 1.90

Time-->





#10

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

Concen: 5.656 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

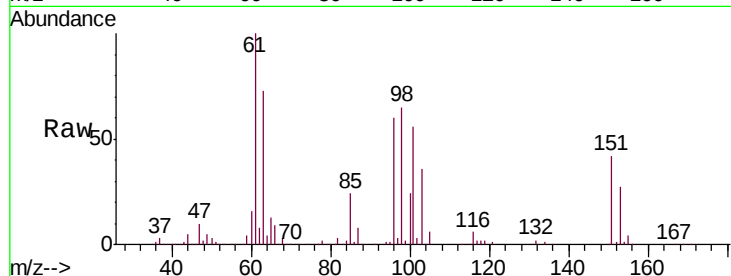
Tgt Ion: 101 Resp: 109499

Ion Ratio Lower Upper

101 100

85 41.8 33.7 50.5

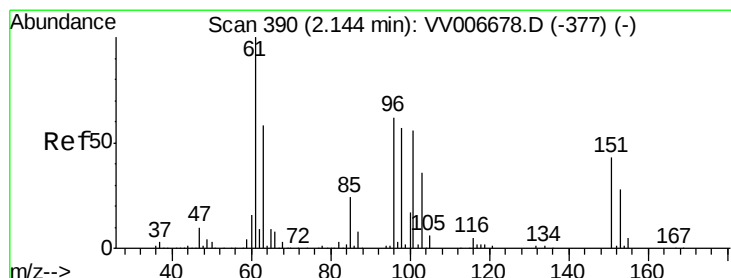
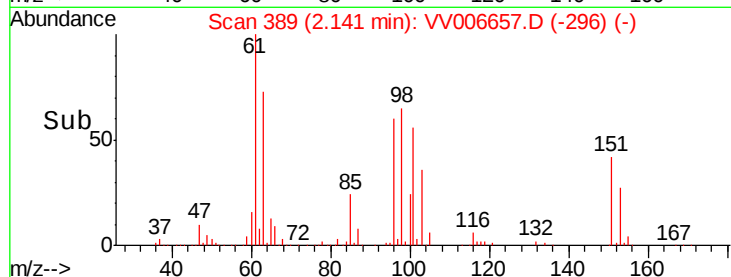
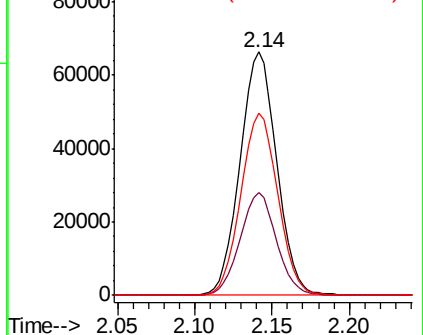
151 75.7 61.0 91.6



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: 5.513 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

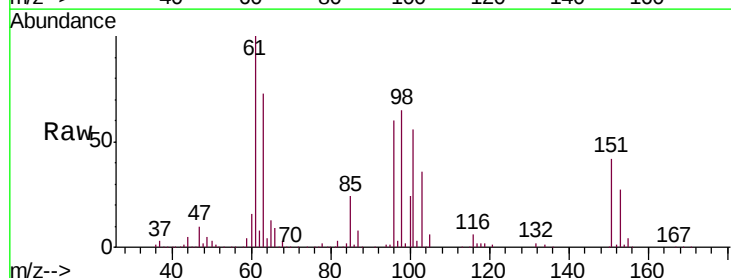
Tgt Ion: 96 Resp: 101148

Ion Ratio Lower Upper

96 100

61 166.3 115.1 213.8

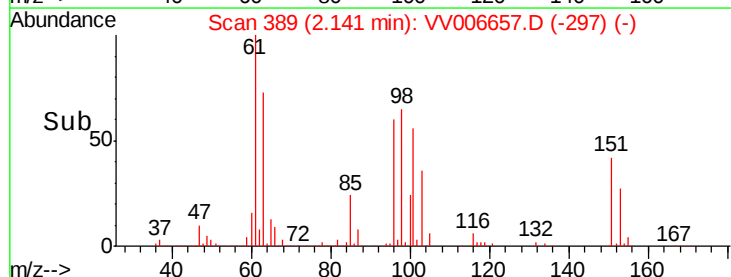
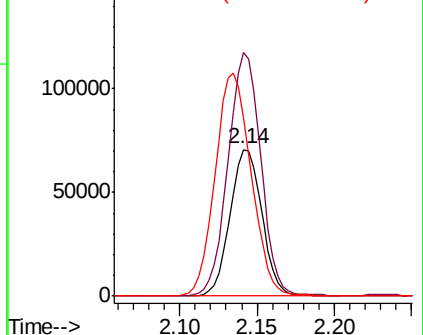
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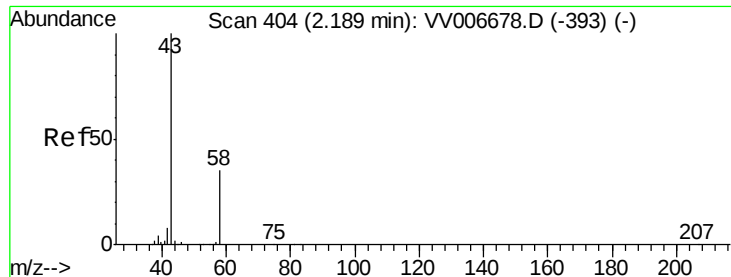


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.832 ug/L

RT: 2.19 min Scan# 404

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

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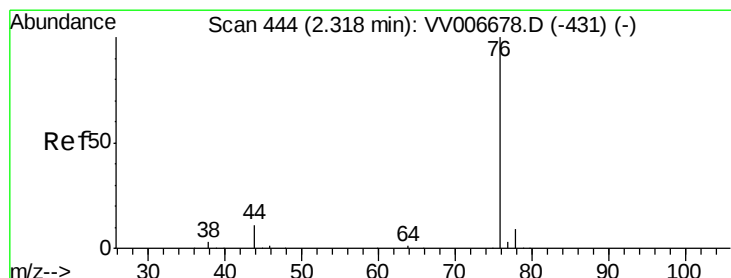
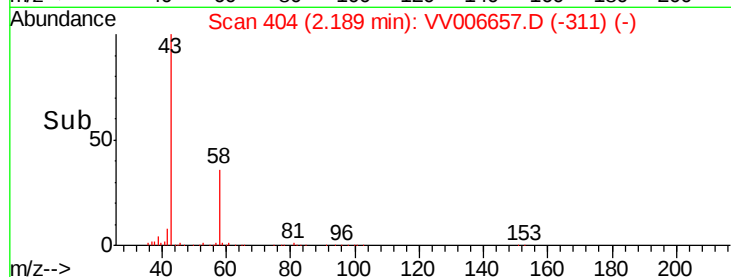
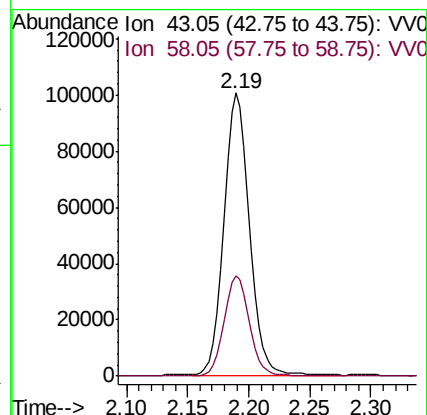
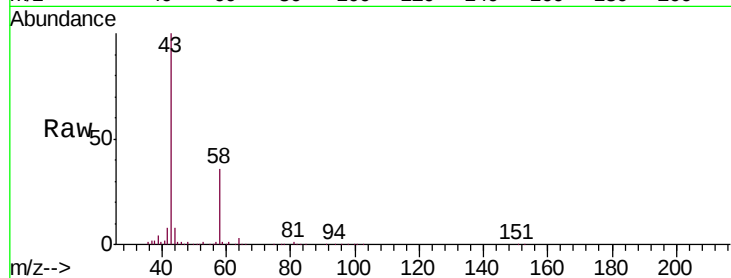
VSTD00571

Tgt Ion: 43 Resp: 147261

Ion Ratio Lower Upper

43 100

58 35.3 0.0 72.8



#14

Carbon disulfide

Concen: 5.502 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006657.D

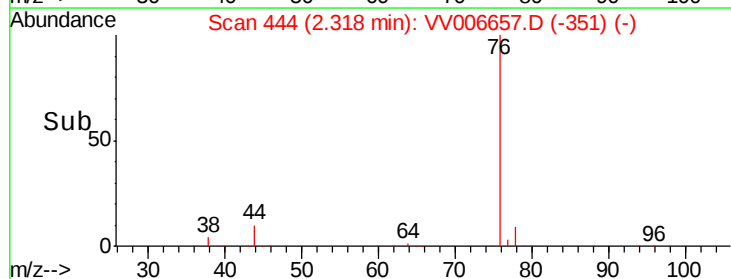
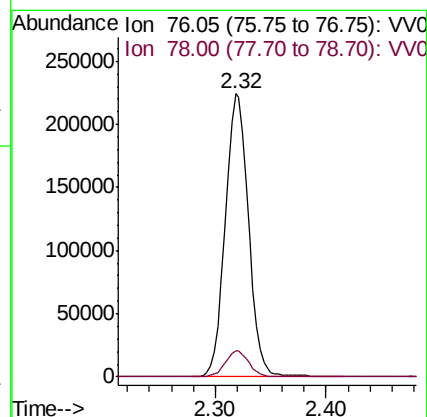
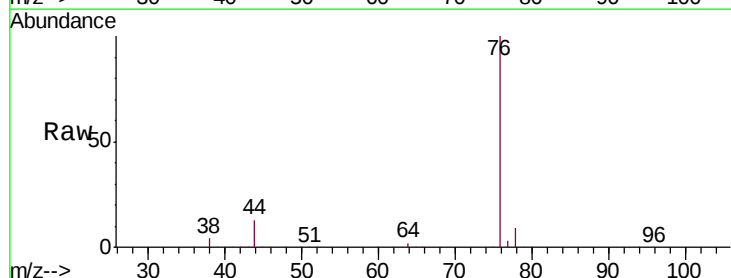
Acq: 20 Jul 2018 10:01

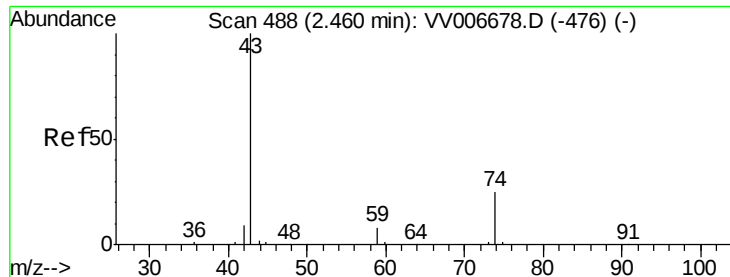
Tgt Ion: 76 Resp: 327354

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#15

Methyl Acetate

Concen: 5.012 ug/L

RT: 2.46 min Scan# 488

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

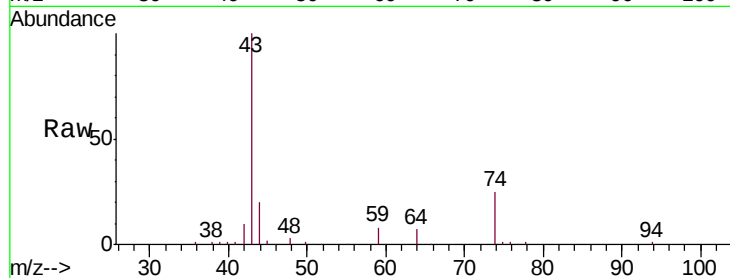
VSTD00571

Tgt Ion: 43 Resp: 42602

Ion Ratio Lower Upper

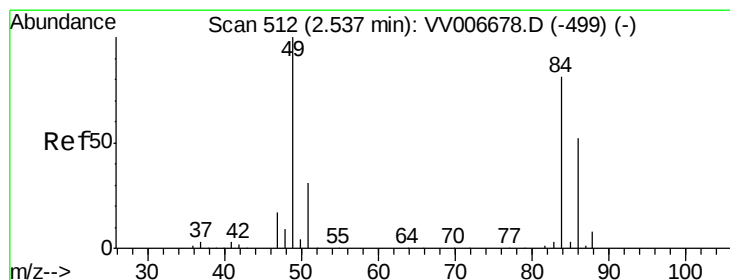
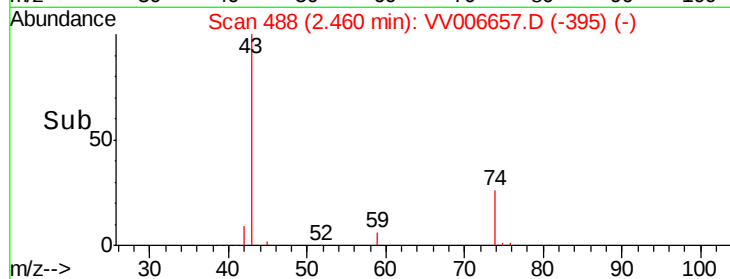
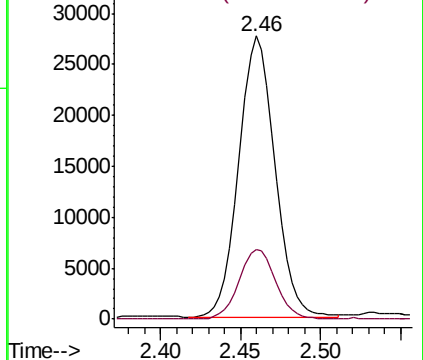
43 100

74 25.1 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: 4.857 ug/L

RT: 2.54 min Scan# 512

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

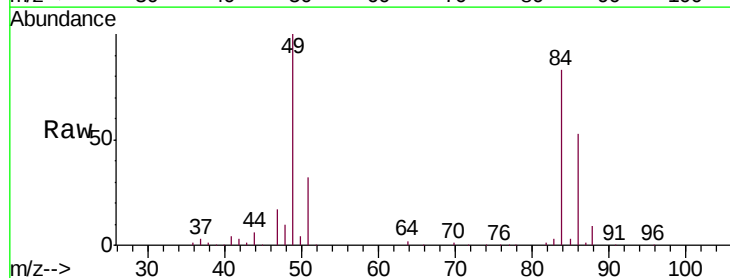
Tgt Ion: 84 Resp: 112112

Ion Ratio Lower Upper

84 100

86 63.7 45.4 84.2

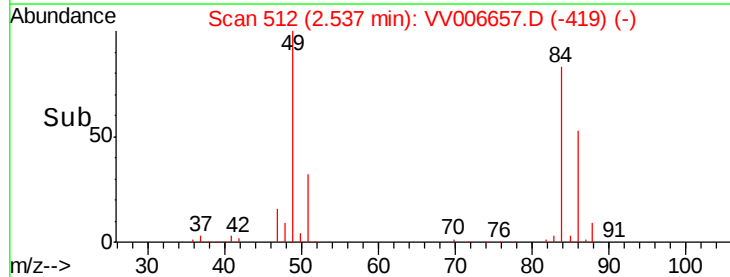
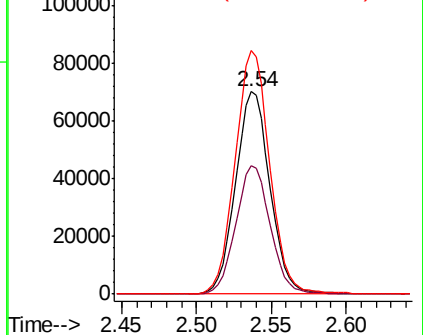
49 120.4 85.1 158.1

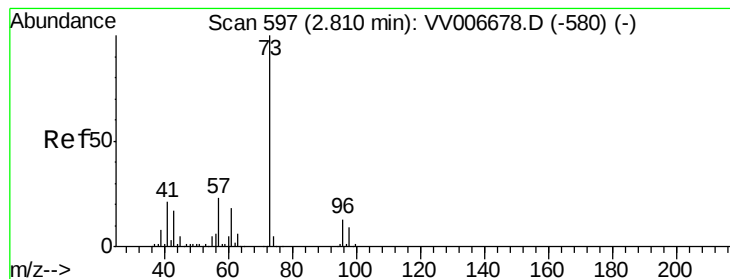


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 5.311 ug/L

RT: 2.81 min Scan# 597

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampled :

VSTD00571

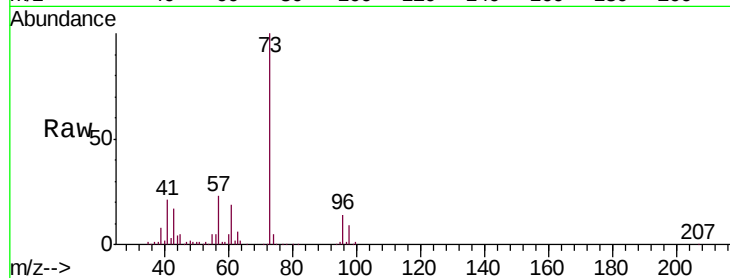
Tgt Ion: 73 Resp: 240542

Ion Ratio Lower Upper

73 100

43 17.1 13.9 20.9

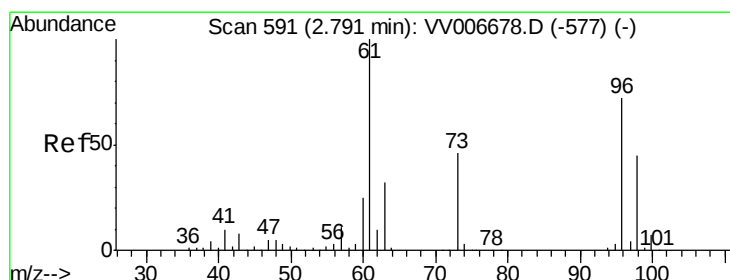
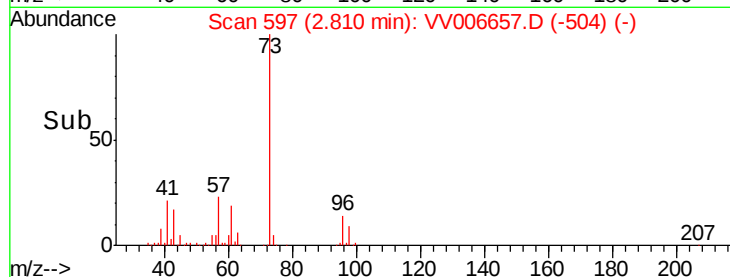
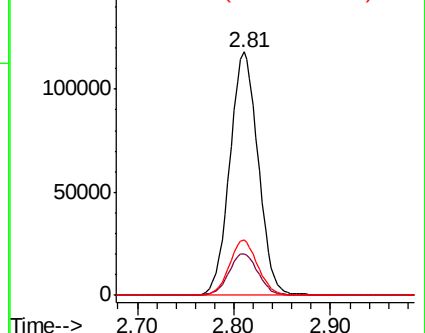
57 22.6 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV006657.D (-580) (-)

Ion 43.05 (42.75 to 43.75): VV006657.D (-580) (-)

Ion 57.10 (56.80 to 57.80): VV006657.D (-580) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.484 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

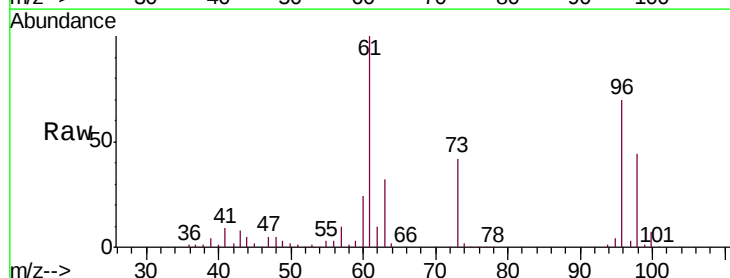
Tgt Ion: 96 Resp: 110899

Ion Ratio Lower Upper

96 100

61 142.2 96.0 178.4

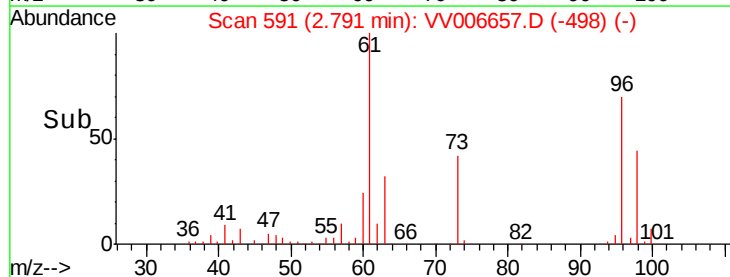
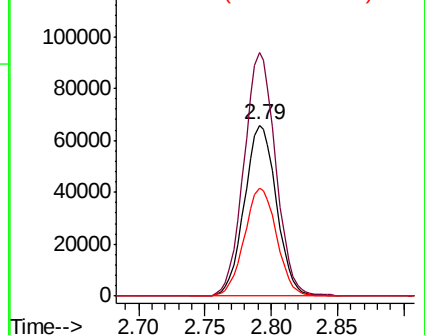
98 63.2 43.5 80.9

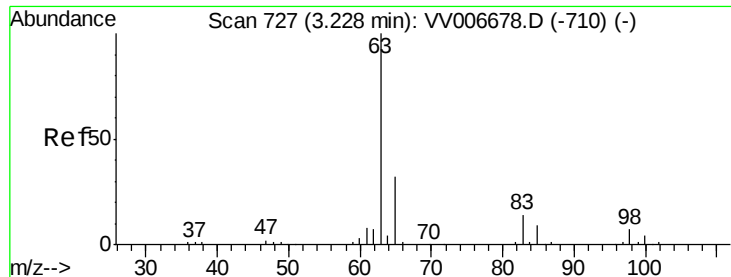


Abundance Ion 96.00 (95.70 to 96.70): VV006657.D (-498) (-)

Ion 61.05 (60.75 to 61.75): VV006657.D (-498) (-)

Ion 97.95 (97.65 to 98.65): VV006657.D (-498) (-)

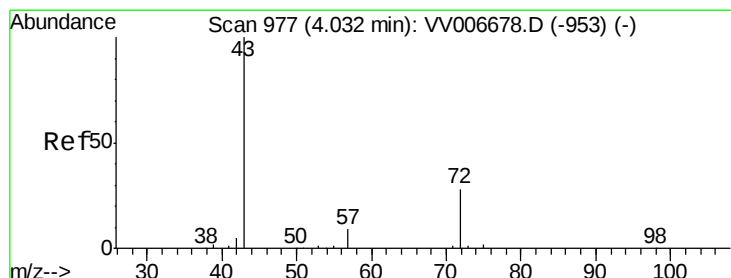
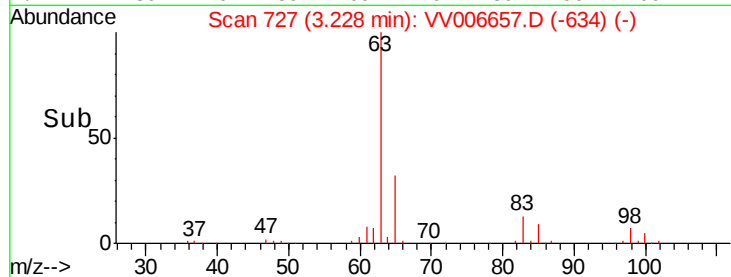
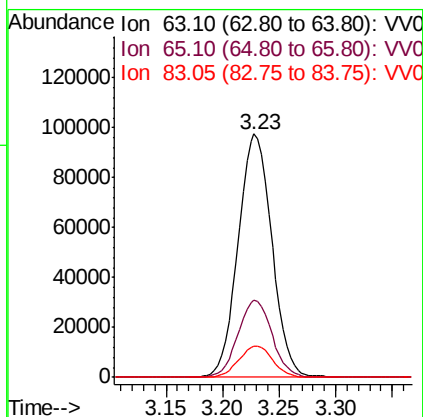
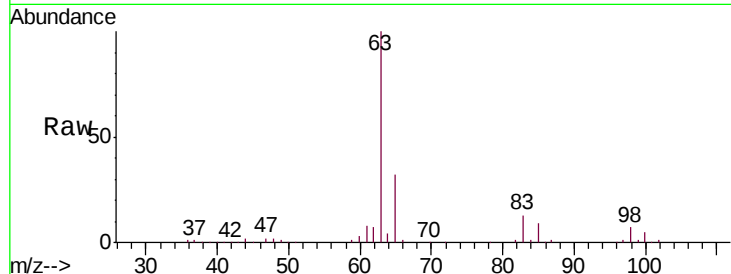




#19
 1,1-Dichloroethane
 Concen: 5.684 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV006657.D
 Acq: 20 Jul 2018 10:01

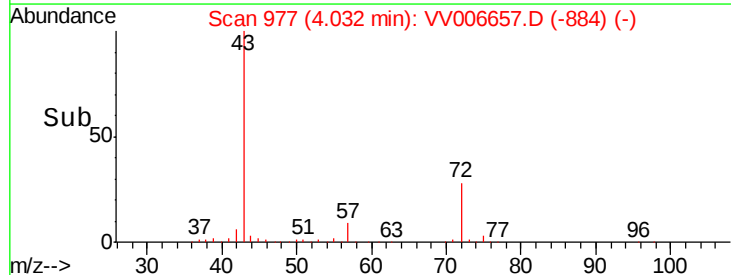
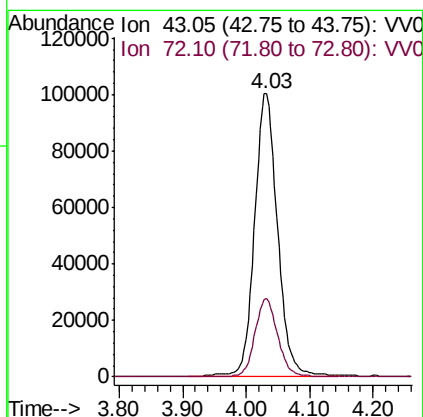
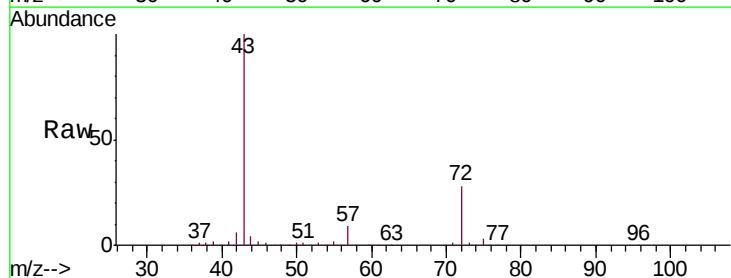
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

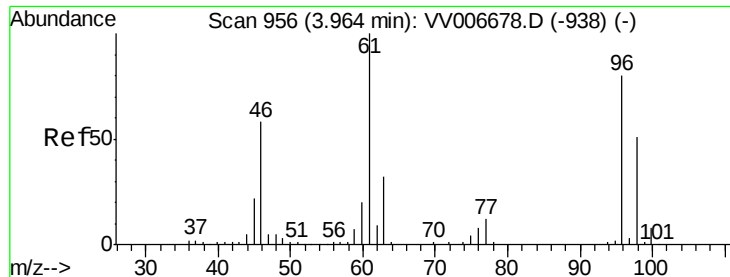
Tgt Ion: 63 Resp: 202925
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.1 41.1
 83 12.9 9.2 17.0



#21
 2-Butanone
 Concen: 52.244 ug/L
 RT: 4.03 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VV006657.D
 Acq: 20 Jul 2018 10:01

Tgt Ion: 43 Resp: 253498
 Ion Ratio Lower Upper
 43 100
 72 26.4 13.9 41.6



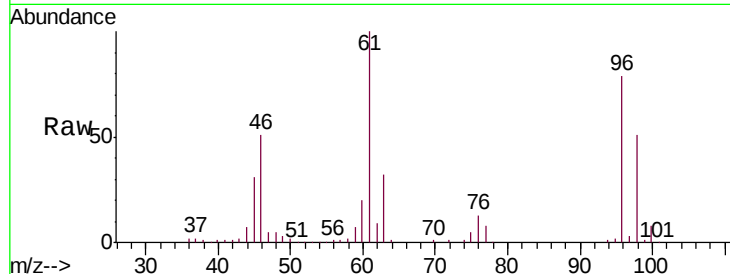


#22

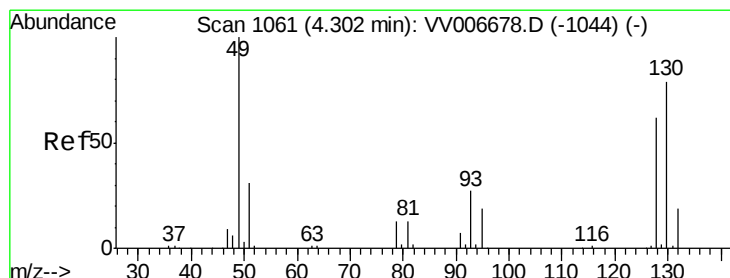
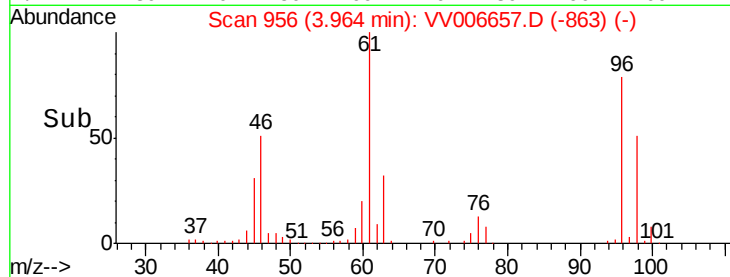
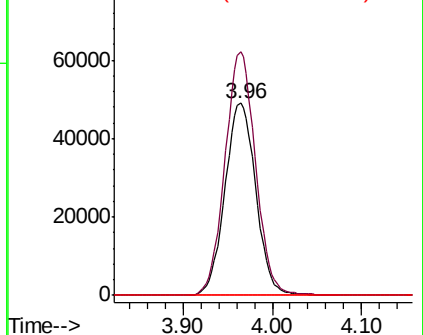
cis-1,2-Dichloroethene
Concen: 5.546 ug/L
RT: 3.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VV006657.D
Acq: 20 Jul 2018 10:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Tgt Ion: 96 Resp: 117417
Ion Ratio Lower Upper
96 100
61 126.8 86.2 160.0
68 0.0 0.0 0.0



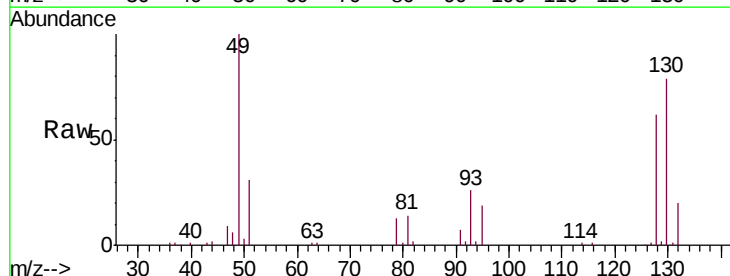
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



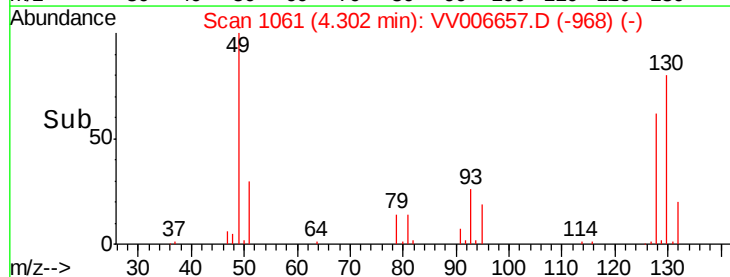
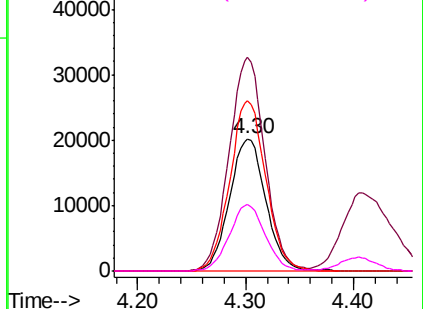
#23

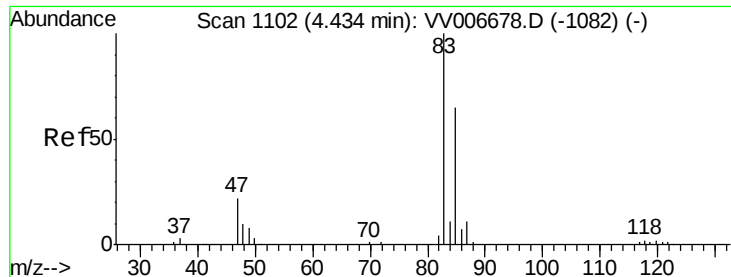
Bromochloromethane
Concen: 5.482 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VV006657.D
Acq: 20 Jul 2018 10:01

Tgt Ion: 128 Resp: 47256
Ion Ratio Lower Upper
128 100
49 161.7 113.0 209.8
130 128.4 89.3 165.9
51 49.9 40.9 61.3



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 5.706 ug/L

RT: 4.43 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

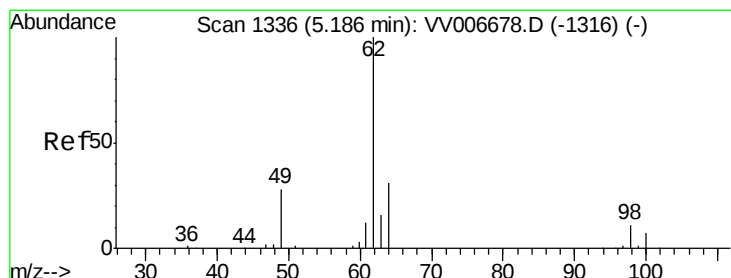
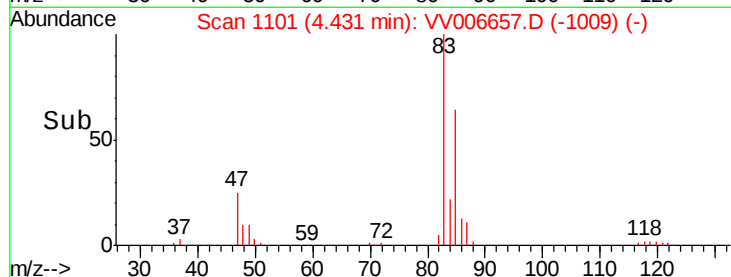
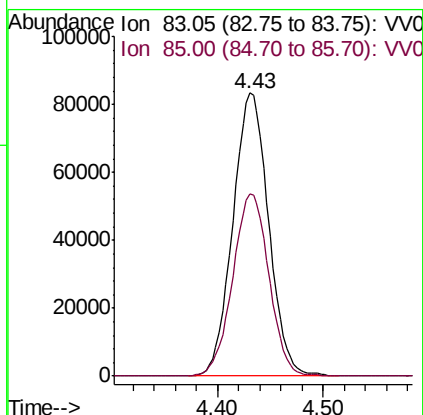
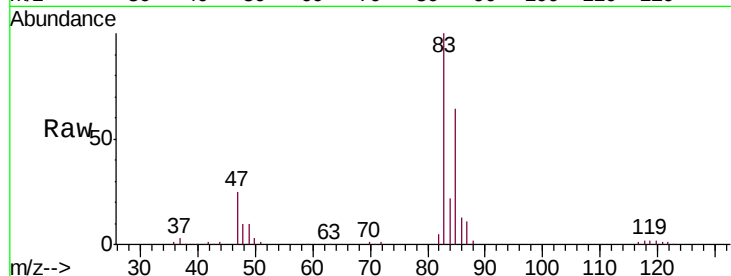
VSTD00571

Tgt Ion: 83 Resp: 196295

Ion Ratio Lower Upper

83 100

85 64.3 46.1 85.7



#27

1,2-Dichloroethane

Concen: 5.515 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV006657.D

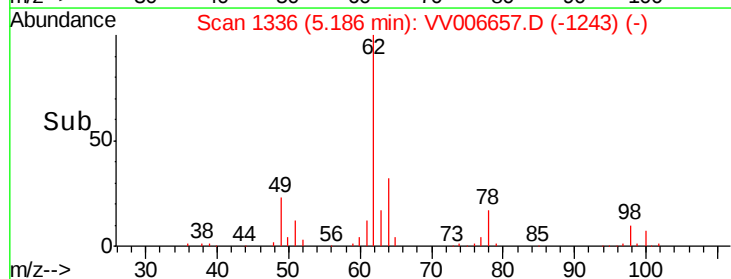
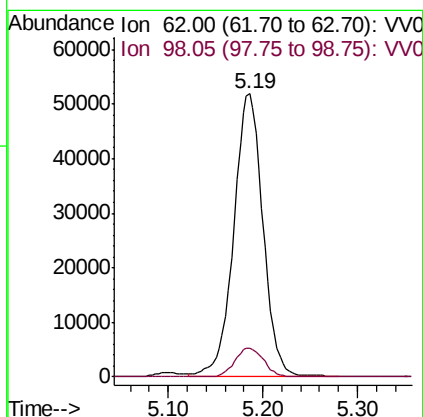
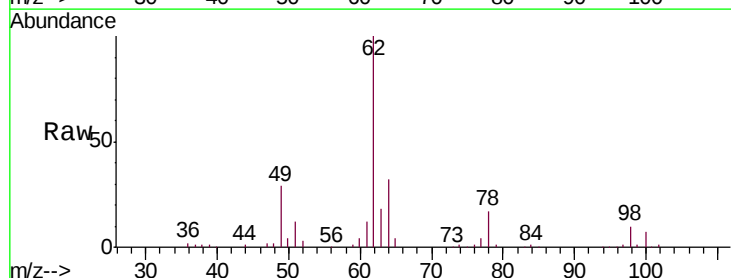
Acq: 20 Jul 2018 10:01

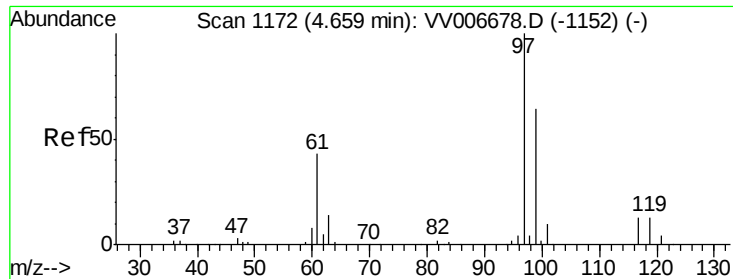
Tgt Ion: 62 Resp: 110852

Ion Ratio Lower Upper

62 100

98 10.2 8.4 12.6

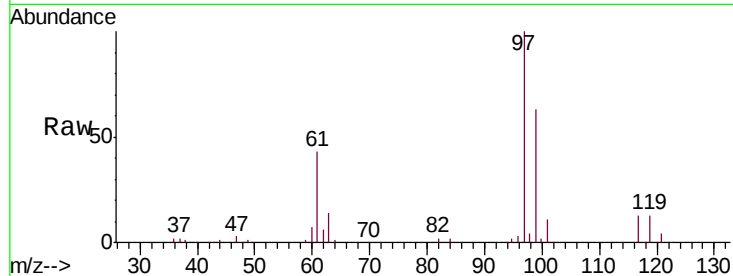




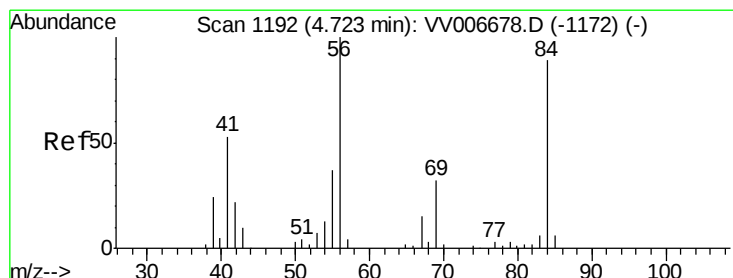
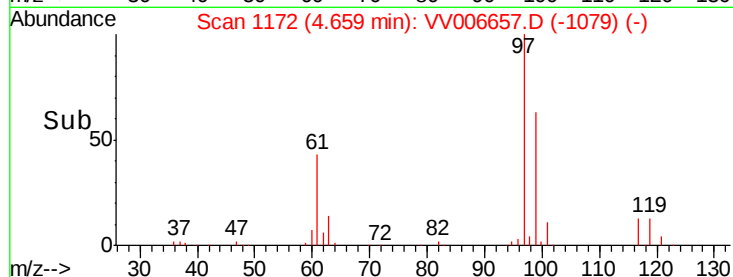
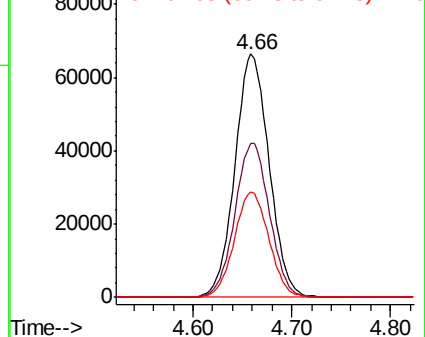
#29
 1,1,1-Trichloroethane
 Concen: 5.643 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006657.D
 Acq: 20 Jul 2018 10:01

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00571

Tgt Ion: 97 Resp: 160030
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.5 77.3
 61 44.1 35.4 53.2

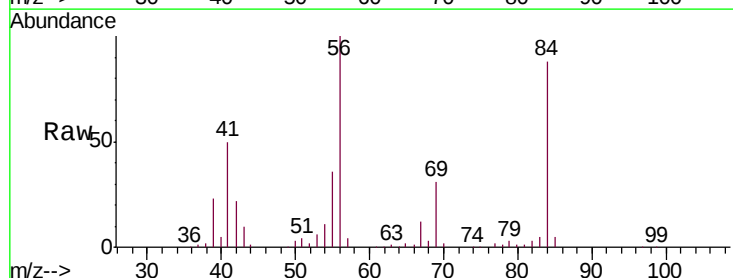


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

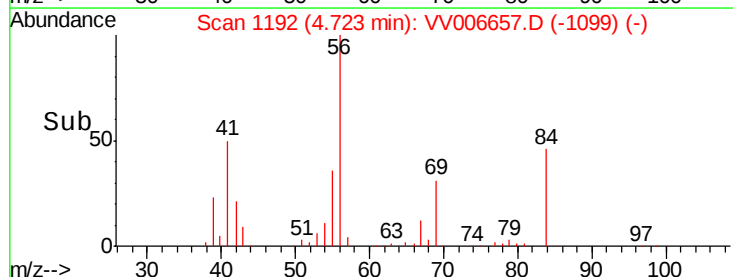
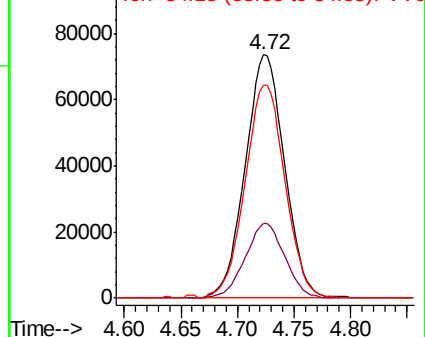


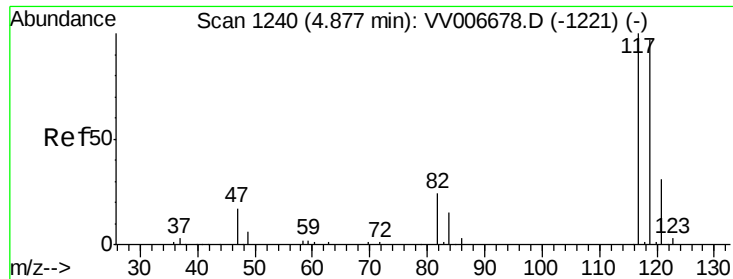
#30
 Cyclohexane
 Concen: 5.609 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV006657.D
 Acq: 20 Jul 2018 10:01

Tgt Ion: 56 Resp: 177837
 Ion Ratio Lower Upper
 56 100
 69 30.9 24.0 36.0
 84 89.1 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: 5.624 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

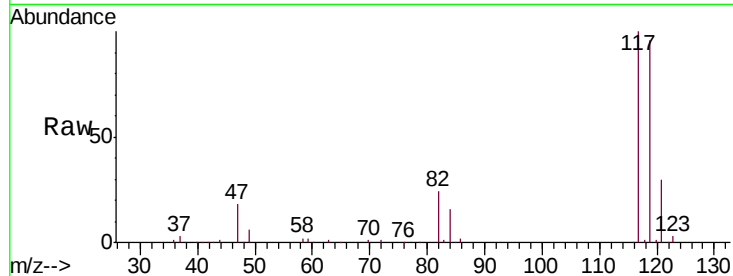
VSTD00571

Tgt Ion:117 Resp: 136433

Ion Ratio Lower Upper

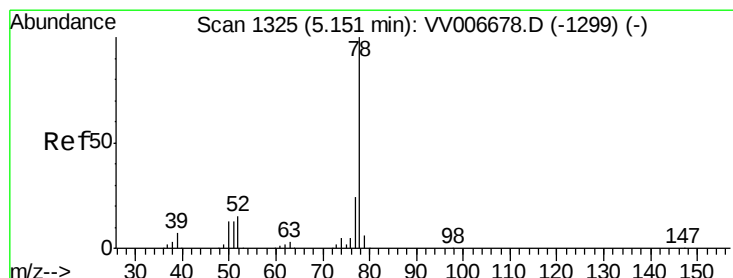
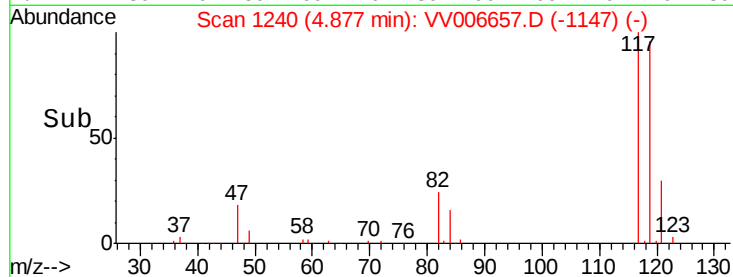
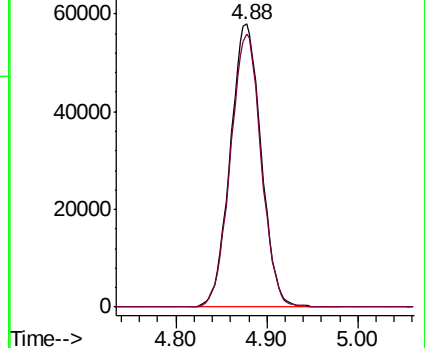
117 100

119 96.1 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: 5.662 ug/L

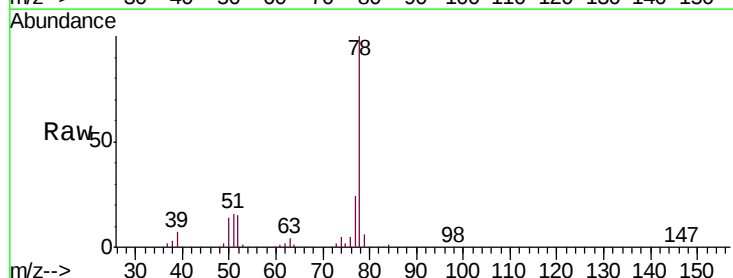
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

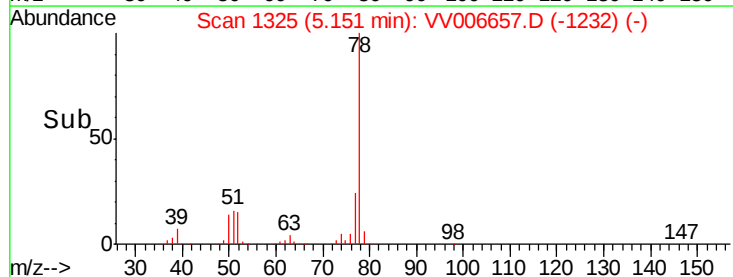
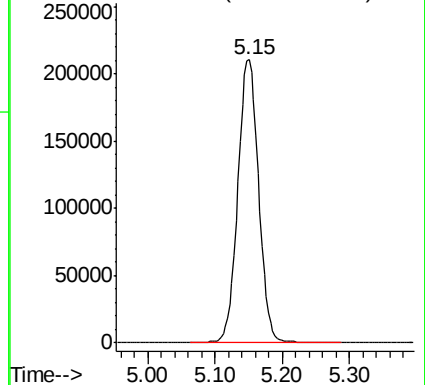
Lab File: VV006657.D

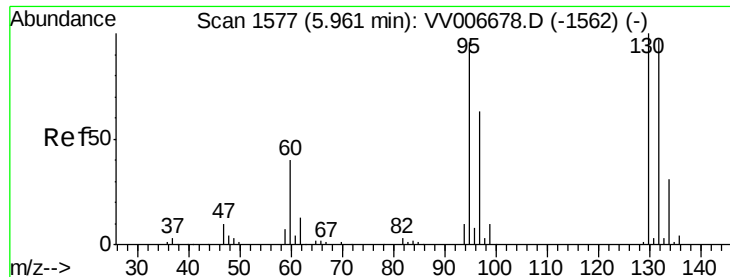
Acq: 20 Jul 2018 10:01

Tgt Ion: 78 Resp: 451900



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.474 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

Tgt Ion: 95 Resp: 110547

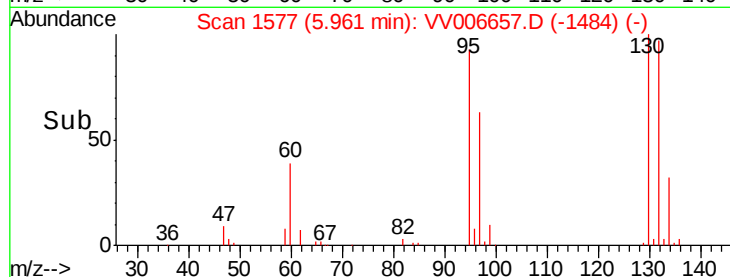
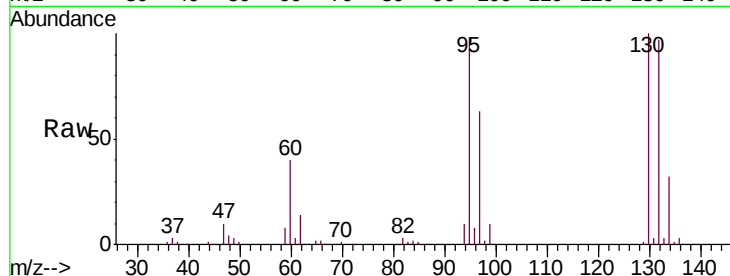
Ion Ratio Lower Upper

95 100

97 64.1 45.3 84.1

132 98.4 70.3 130.7

130 101.5 73.7 136.9

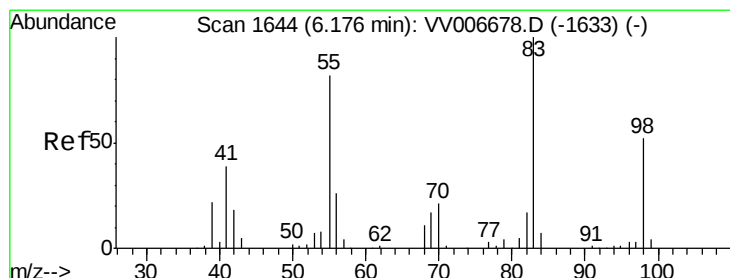
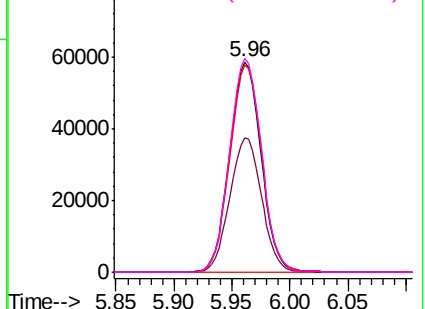


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.681 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

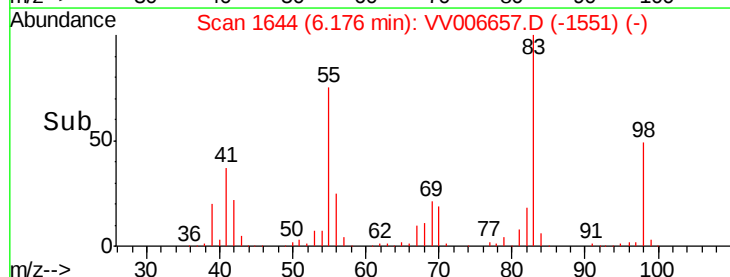
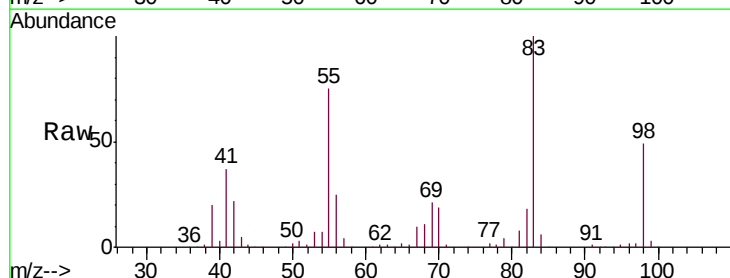
Tgt Ion: 83 Resp: 191484

Ion Ratio Lower Upper

83 100

55 75.6 61.3 91.9

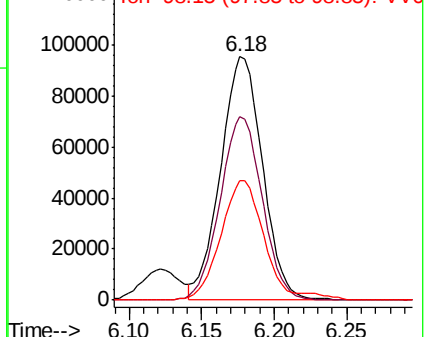
98 51.5 39.4 59.0

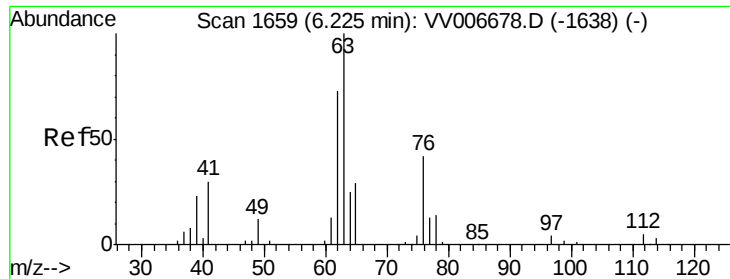


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

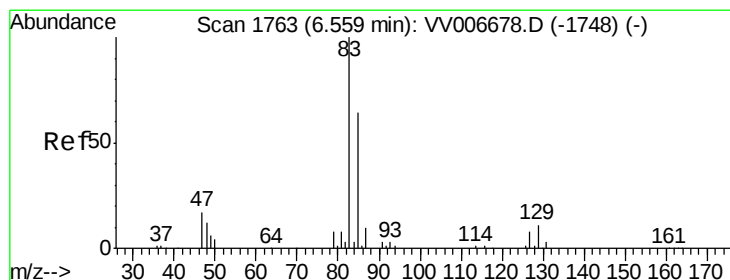
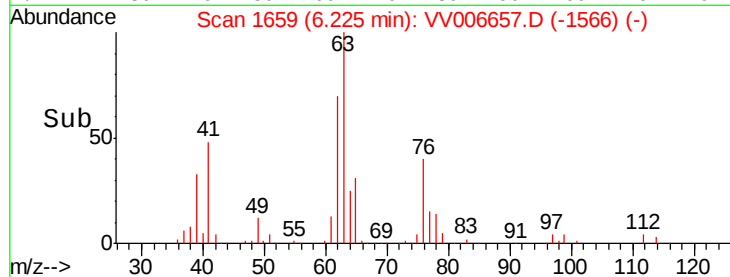
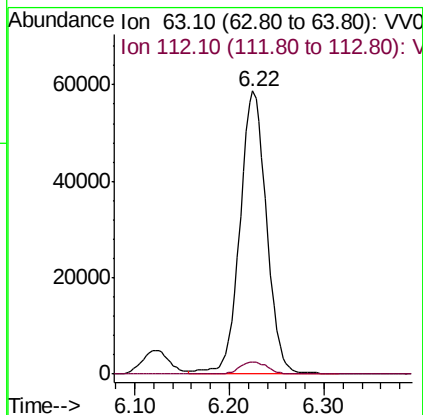
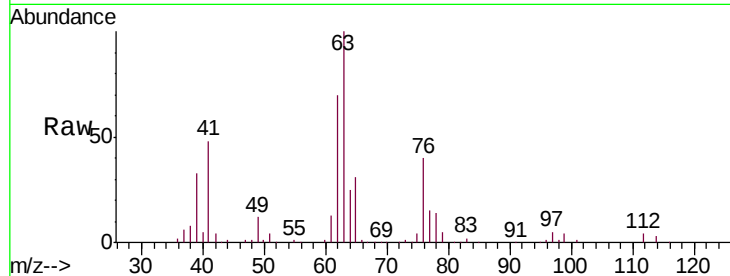




#37
 1,2-Dichloropropane
 Concen: 5.643 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VV006657.D
 Acq: 20 Jul 2018 10:01

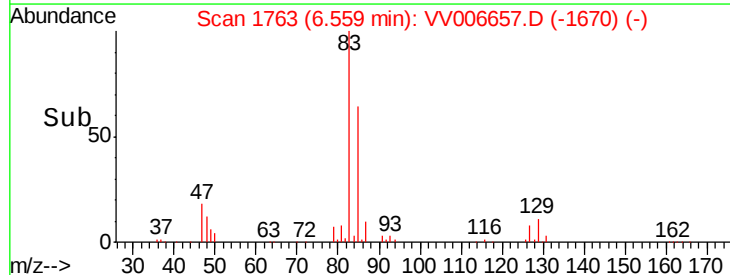
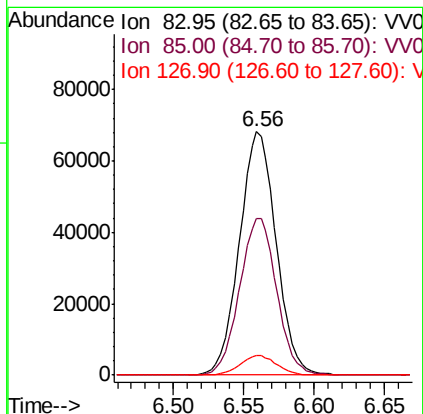
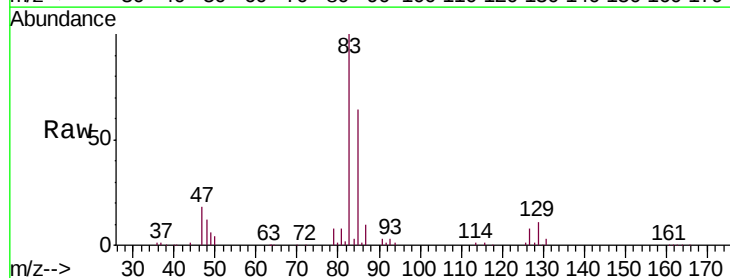
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

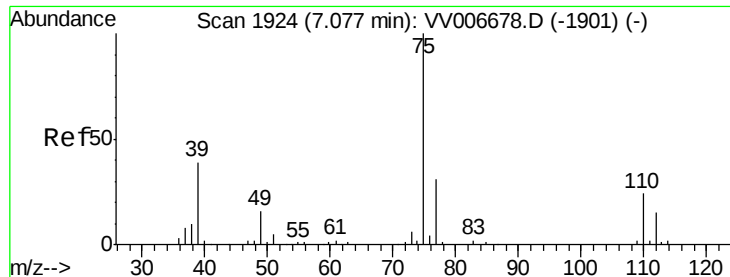
Tgt Ion: 63 Resp: 114891
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.501 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VV006657.D
 Acq: 20 Jul 2018 10:01

Tgt Ion: 83 Resp: 124419
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.3 82.3
 127 8.2 6.5 9.7

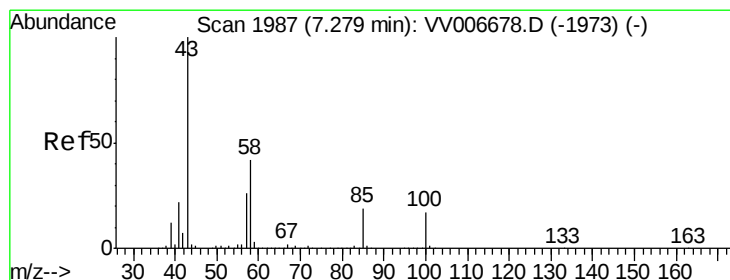
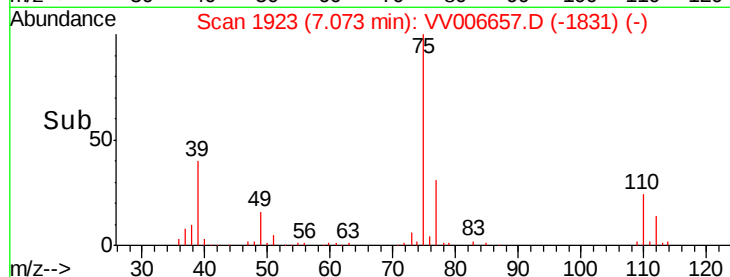
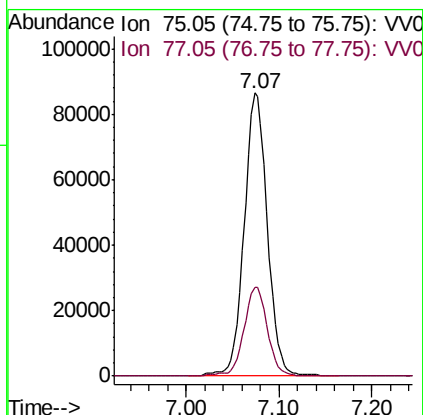
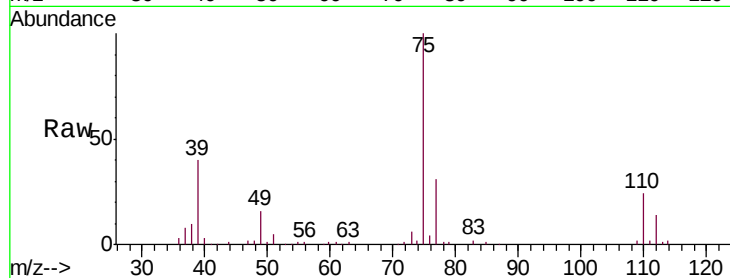




#39
 cis-1,3-Dichloropropene
 Concen: 5.596 ug/L
 RT: 7.07 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV006657.D
 Acq: 20 Jul 2018 10:01

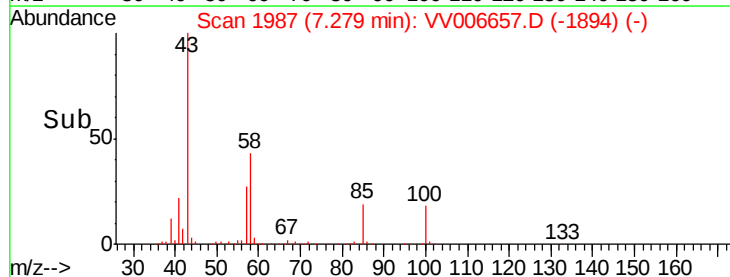
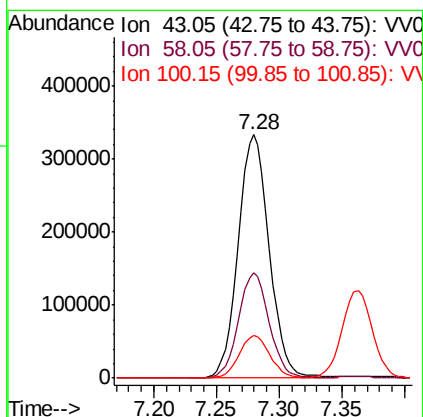
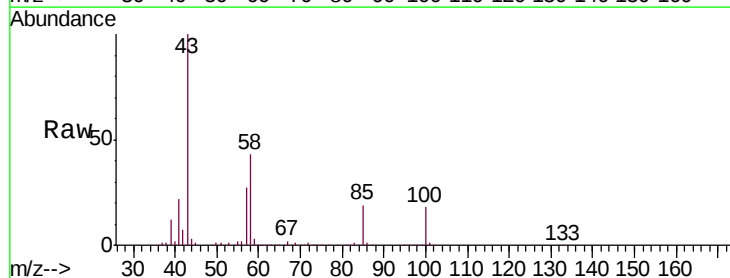
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

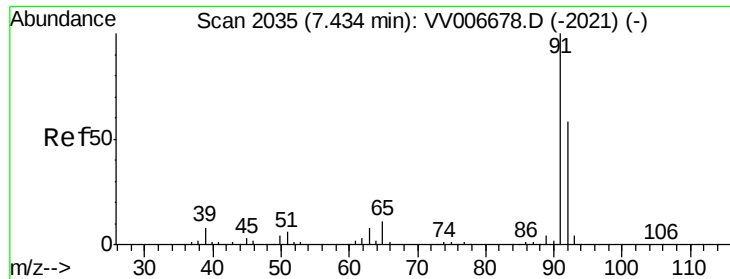
Tgt Ion: 75 Resp: 149842
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 52.203 ug/L
 RT: 7.28 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VV006657.D
 Acq: 20 Jul 2018 10:01

Tgt Ion: 43 Resp: 574604
 Ion Ratio Lower Upper
 43 100
 58 42.6 33.6 50.4
 100 17.3 13.8 20.8





#42

Toluene

Concen: 5.713 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

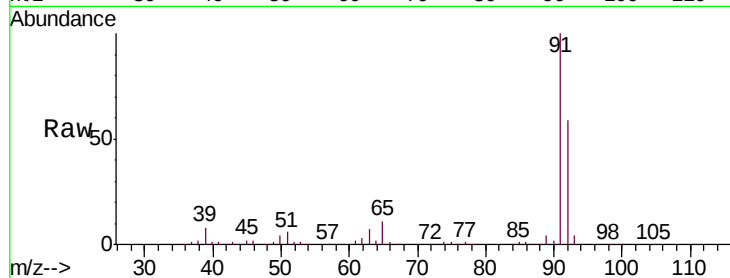
VSTD00571

Tgt Ion: 91 Resp: 471287

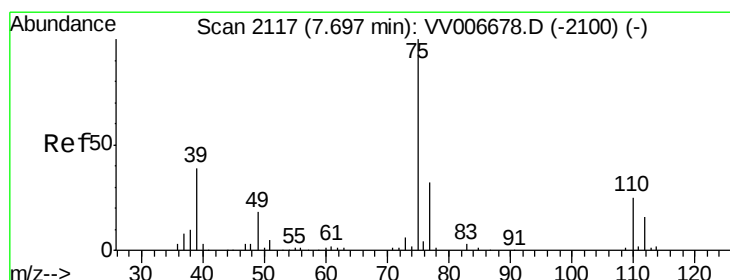
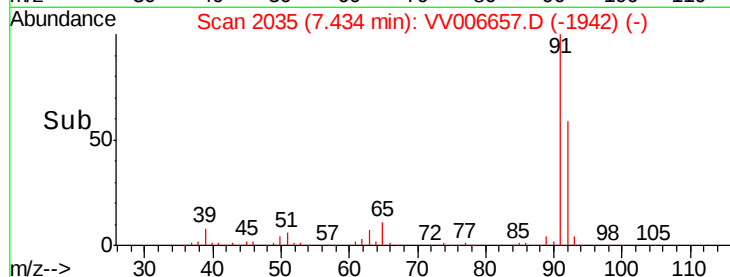
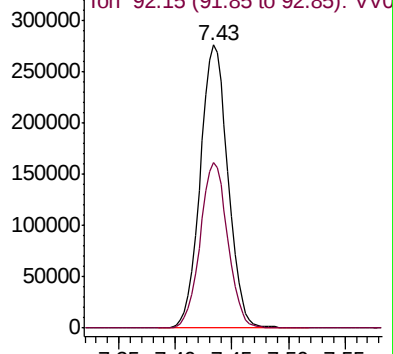
Ion Ratio Lower Upper

91 100

92 58.6 41.4 76.8



Abundance Ion 91.15 (90.85 to 91.85): VV006657.D (-1942) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.468 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV006657.D

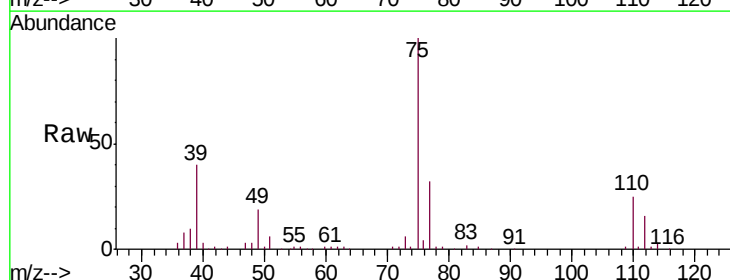
Acq: 20 Jul 2018 10:01

Tgt Ion: 75 Resp: 113823

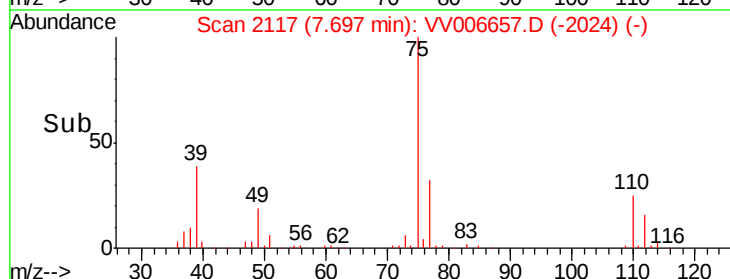
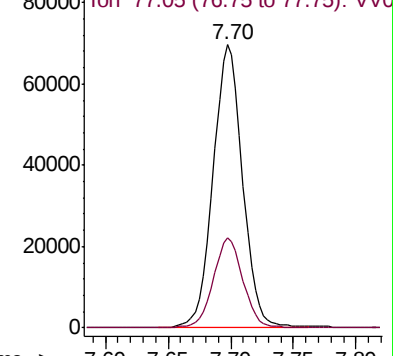
Ion Ratio Lower Upper

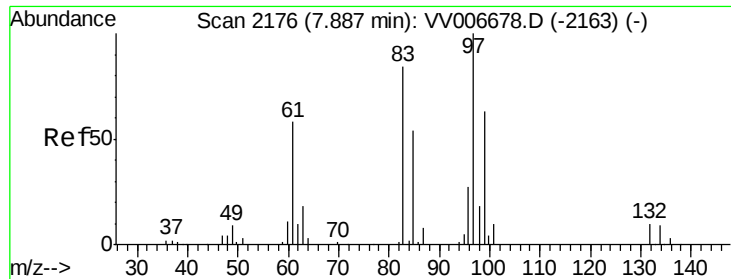
75 100

77 31.8 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV006657.D (-2024) (-)

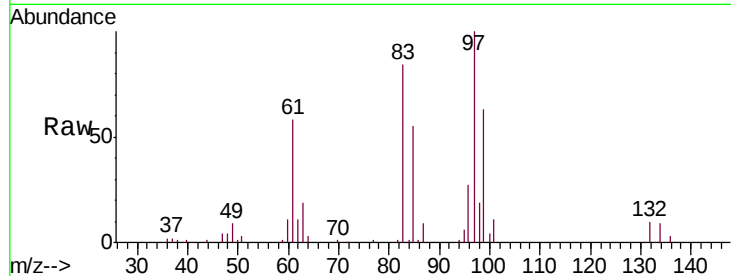




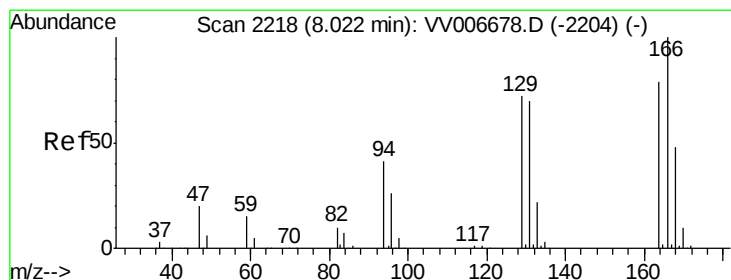
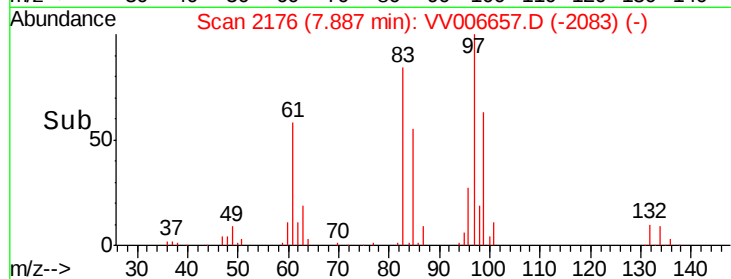
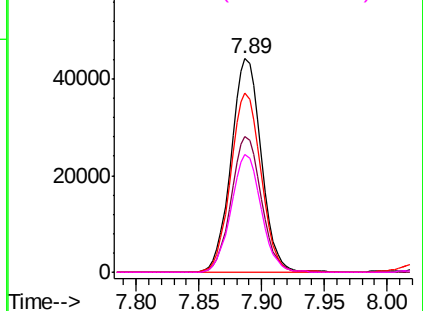
#45
 1,1,2-Trichloroethane
 Concen: 5.382 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VV006657.D
 Acq: 20 Jul 2018 10:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion:	97	Resp:	73730
Ion	Ratio	Lower	Upper
97	100		
99	63.5	45.2	84.0
83	83.7	60.5	112.3
85	54.9	39.0	72.4

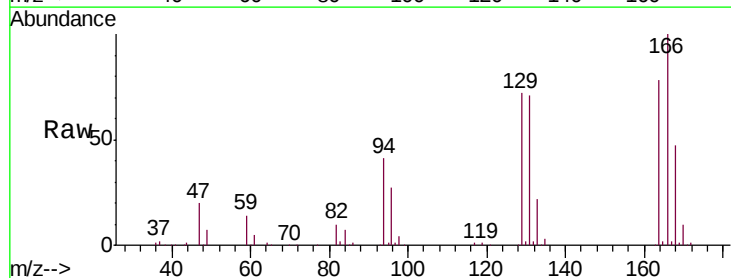


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

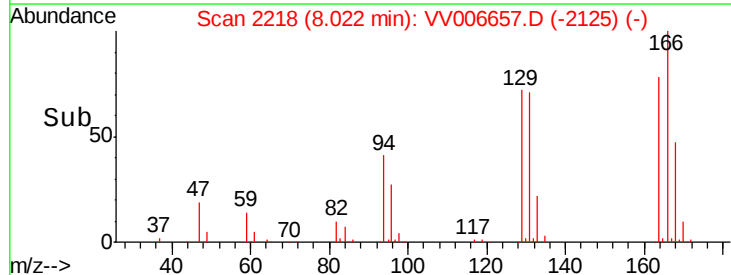
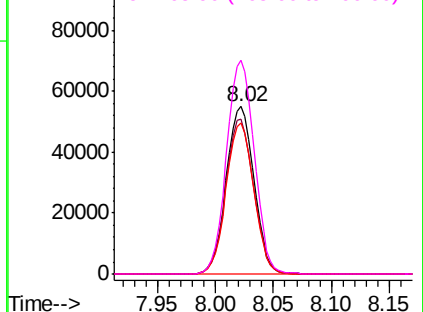


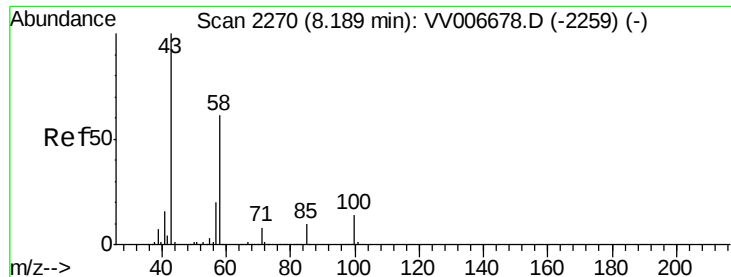
#47
 Tetrachloroethene
 Concen: 5.638 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006657.D
 Acq: 20 Jul 2018 10:01

Tgt Ion:	164	Resp:	91445
Ion	Ratio	Lower	Upper
164	100		
129	92.5	65.9	122.5
131	90.2	62.9	116.7
166	127.8	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

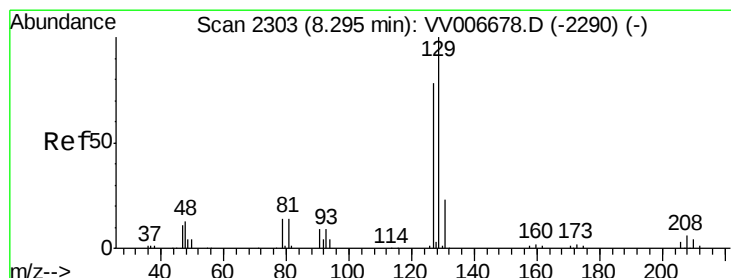
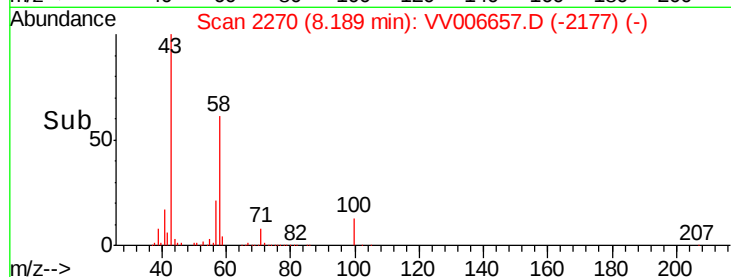
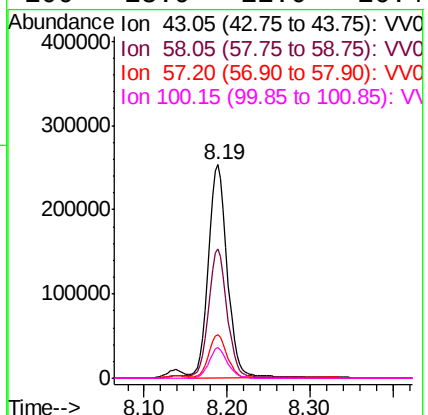
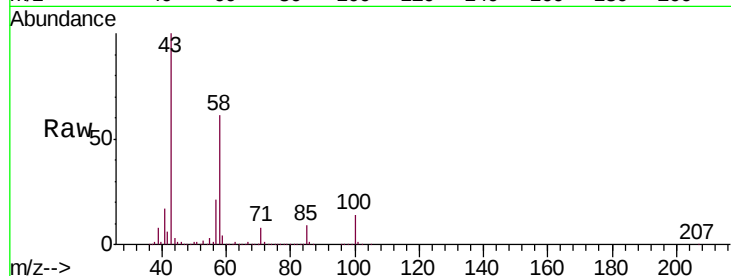




#48
2-Hexanone
Concen: 53.302 ug/L
RT: 8.19 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV006657.D
Acq: 20 Jul 2018 10:01

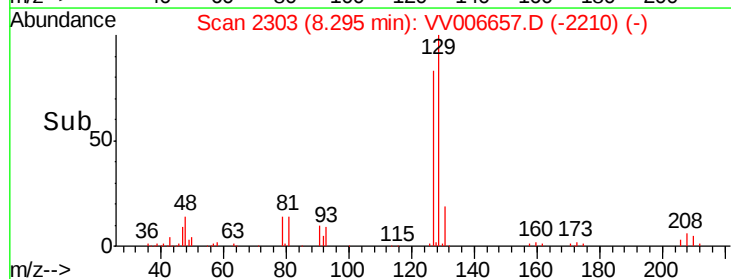
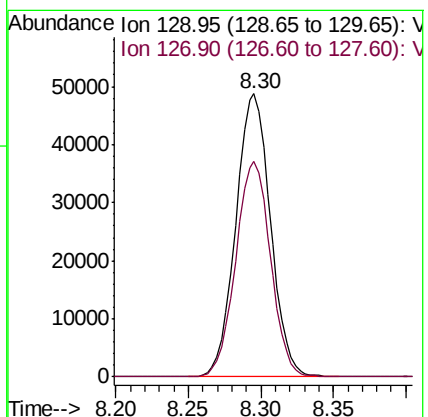
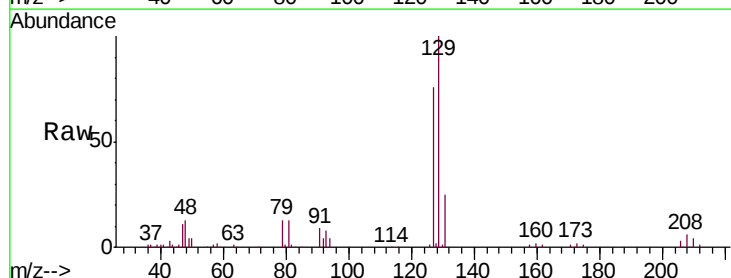
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

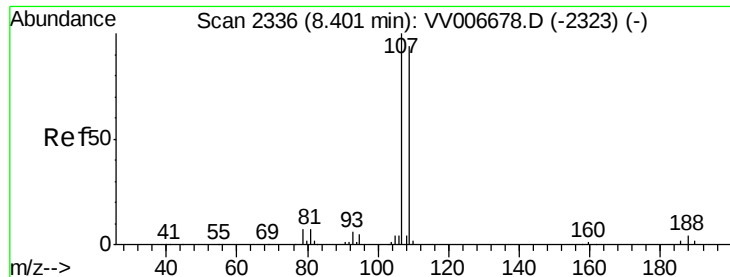
Tgt Ion:	43	Resp:	410131
Ion	Ratio	Lower	Upper
43	100		
58	59.1	48.2	72.2
57	20.4	16.2	24.4
100	13.9	11.0	16.4



#49
Dibromochloromethane
Concen: 5.574 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006657.D
Acq: 20 Jul 2018 10:01

Tgt Ion:	129	Resp:	80909
Ion	Ratio	Lower	Upper
129	100		
127	76.2	53.6	99.6

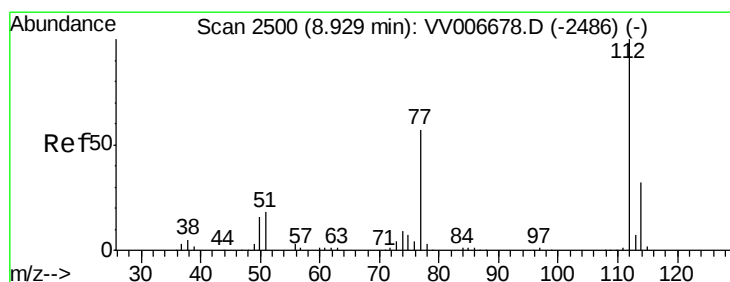
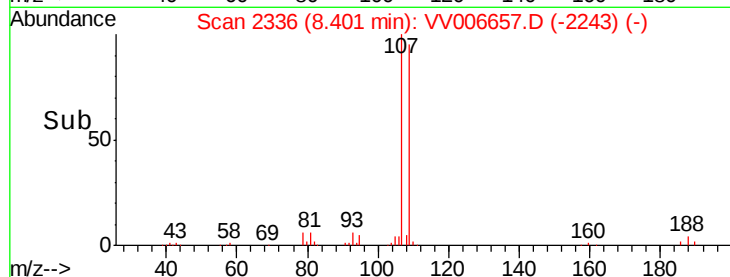
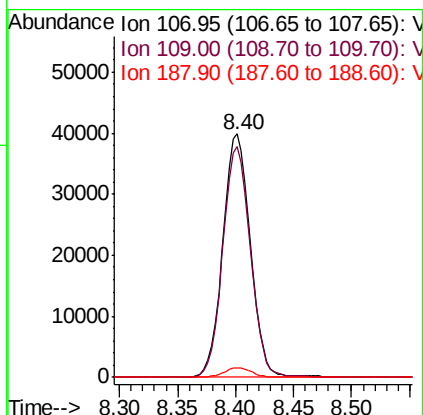
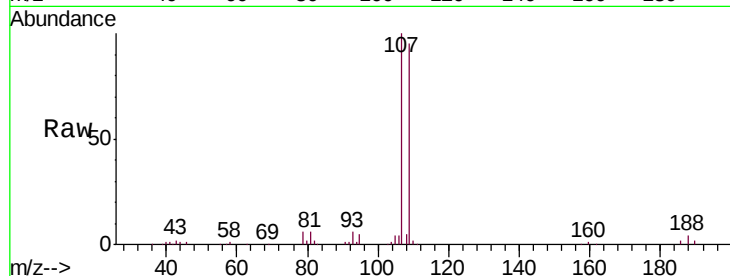




#50
1,2-Dibromoethane
Concen: 5.311 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006657.D
Acq: 20 Jul 2018 10:01

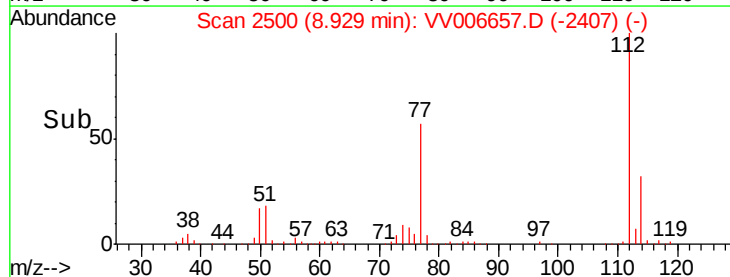
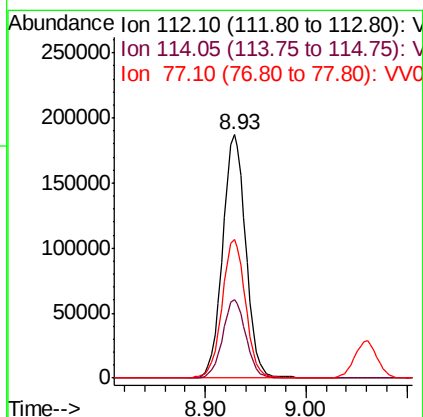
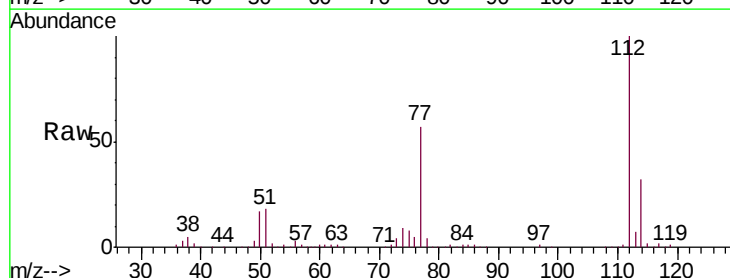
Instrument :
MSVOA_V
ClientSampled :
VSTD00571

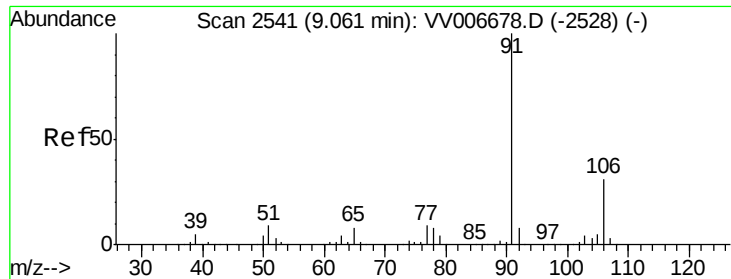
Tgt Ion:107 Resp: 65388
Ion Ratio Lower Upper
107 100
109 94.6 66.0 122.6
188 3.8 3.1 4.7



#51
Chlorobenzene
Concen: 5.608 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006657.D
Acq: 20 Jul 2018 10:01

Tgt Ion:112 Resp: 300641
Ion Ratio Lower Upper
112 100
114 32.4 21.8 40.4
77 57.2 46.6 69.8





#52

Ethylbenzene

Concen: 5.739 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

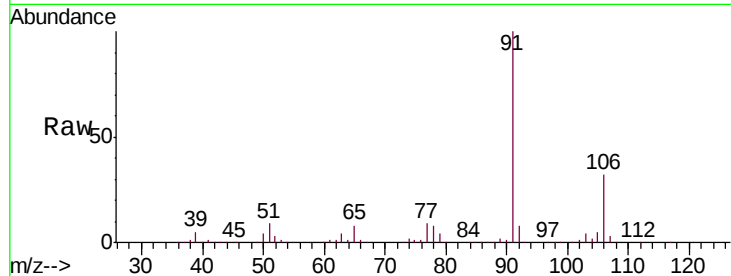
VSTD00571

Tgt Ion: 91 Resp: 508247

Ion Ratio Lower Upper

91 100

106 31.6 22.1 41.1



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

Ion 106.15 (105.85 to 106.85): VV006678.D (-2528) (-)

9.06

300000

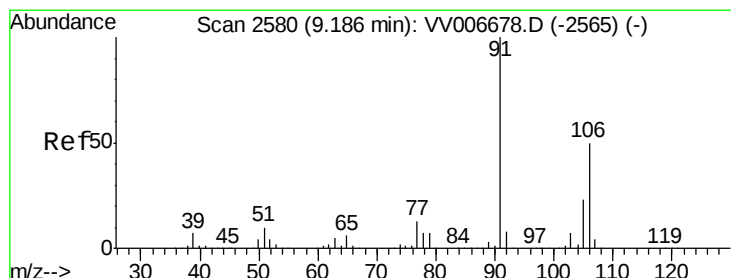
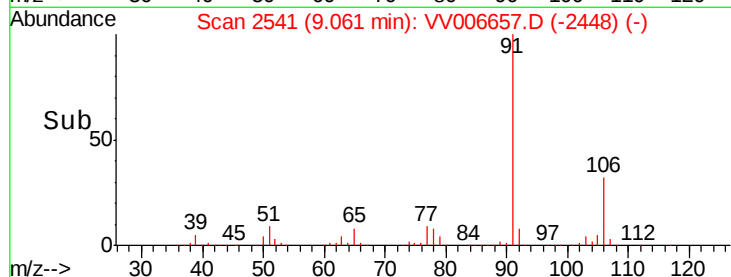
200000

100000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 5.855 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006657.D

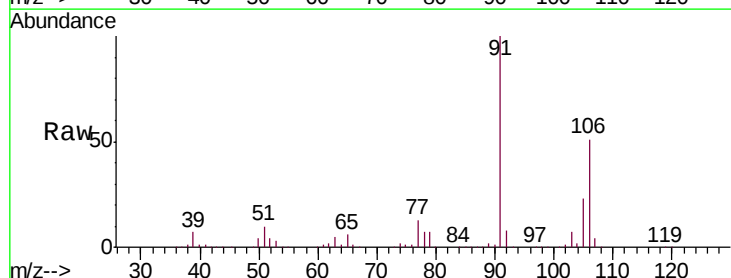
Acq: 20 Jul 2018 10:01

Tgt Ion: 106 Resp: 197173

Ion Ratio Lower Upper

106 100

91 196.7 140.3 260.5



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

Ion 91.15 (90.85 to 91.85): VV006678.D (-2565) (-)

9.19

300000

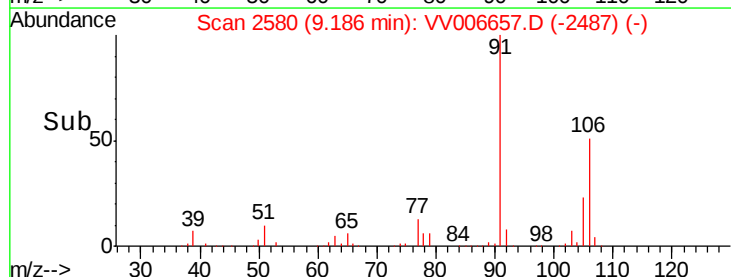
200000

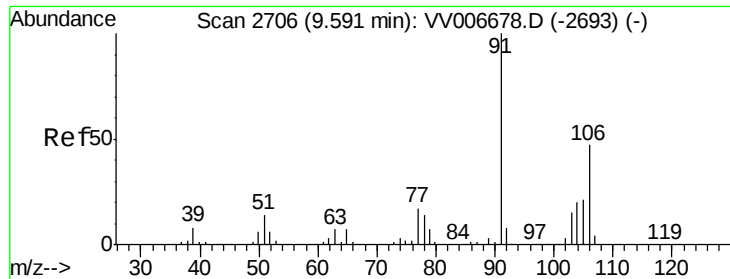
100000

0

9.10 9.20 9.30

Time-->





#54

o-xylene

Concen: 5.802 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

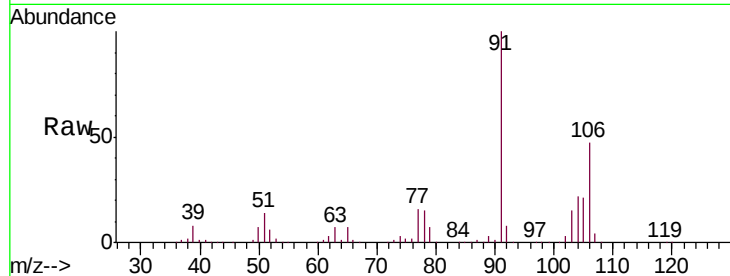
VSTD00571

Tgt Ion:106 Resp: 190608

Ion Ratio Lower Upper

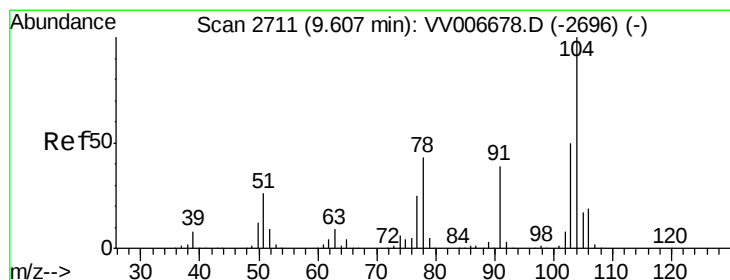
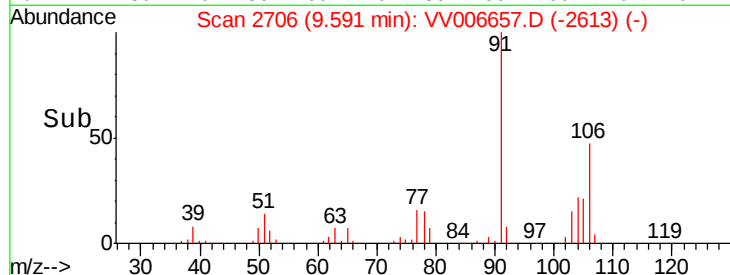
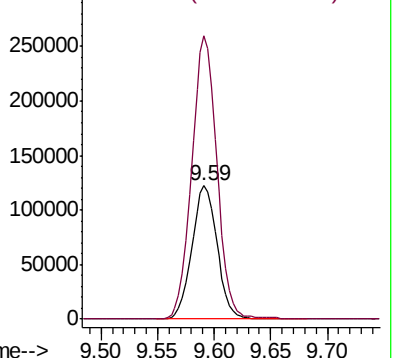
106 100

91 212.5 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.885 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV006657.D

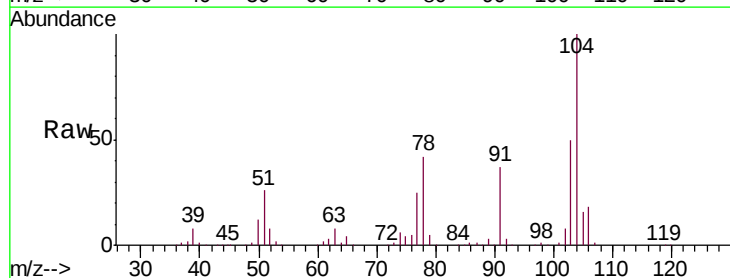
Acq: 20 Jul 2018 10:01

Tgt Ion:104 Resp: 323699

Ion Ratio Lower Upper

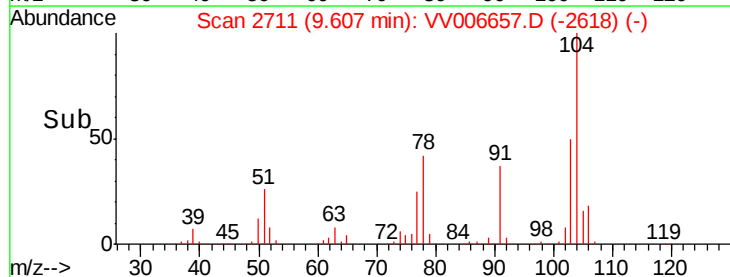
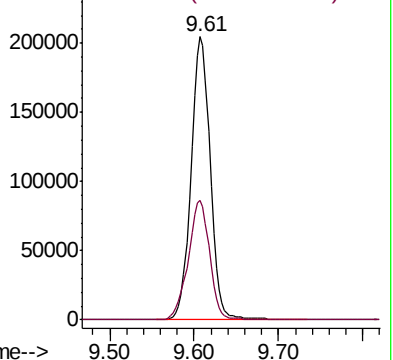
104 100

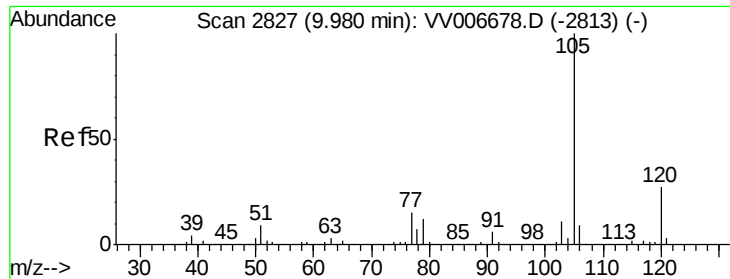
78 42.4 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.820 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

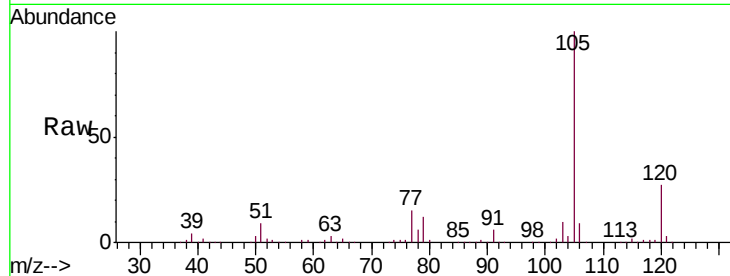
Tgt Ion: 105 Resp: 501656

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

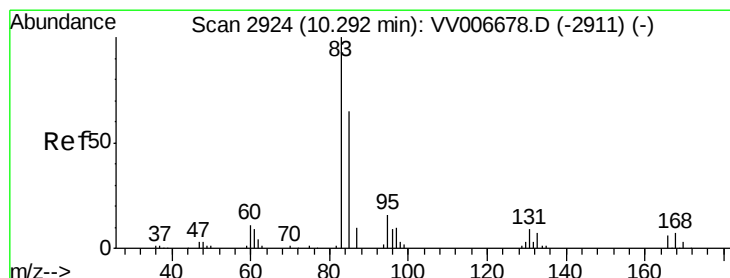
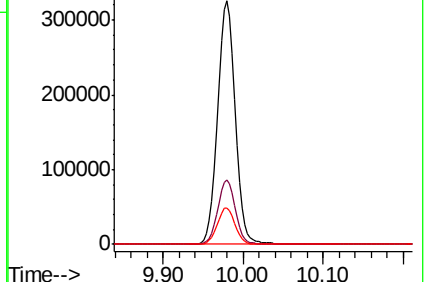
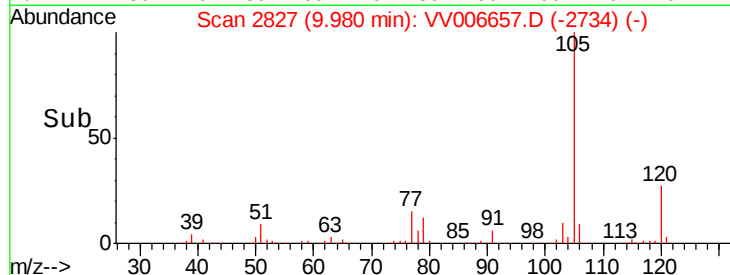
77 15.2 11.9 17.9



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: 5.412 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

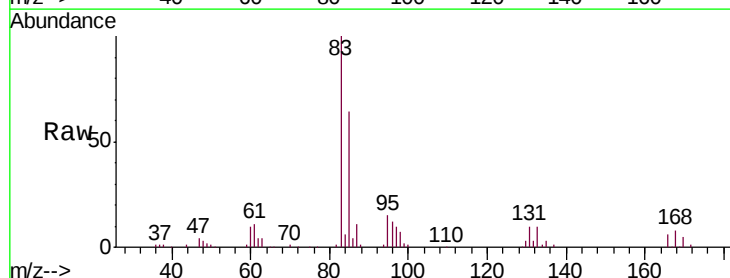
Tgt Ion: 83 Resp: 88925

Ion Ratio Lower Upper

83 100

85 63.9 44.4 82.5

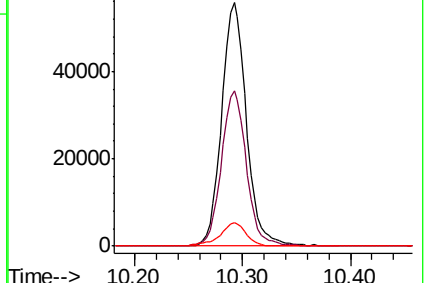
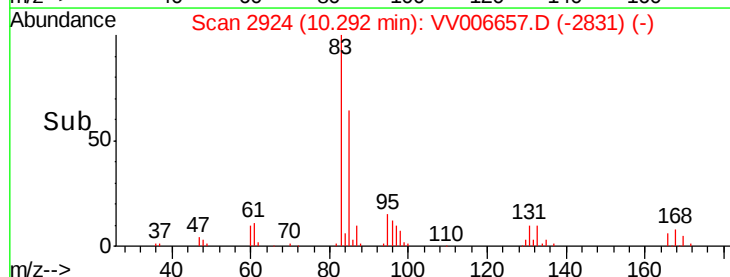
131 9.6 7.4 11.2

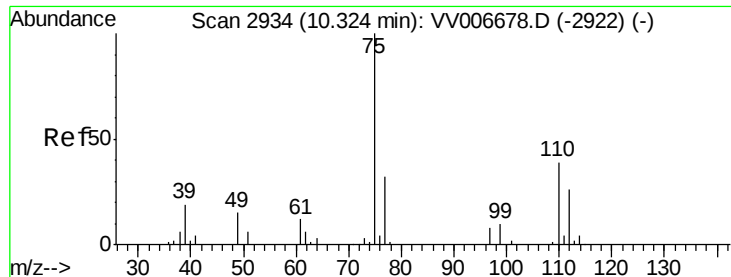


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.251 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

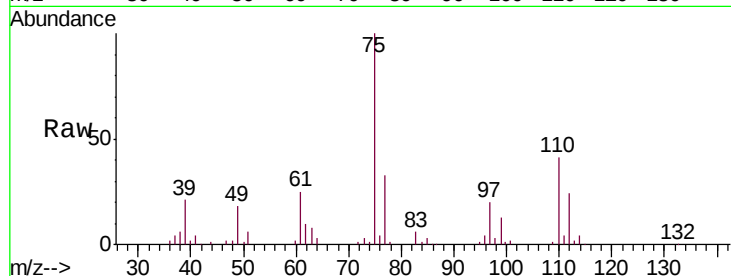
VSTD00571

Tgt Ion: 75 Resp: 63047

Ion Ratio Lower Upper

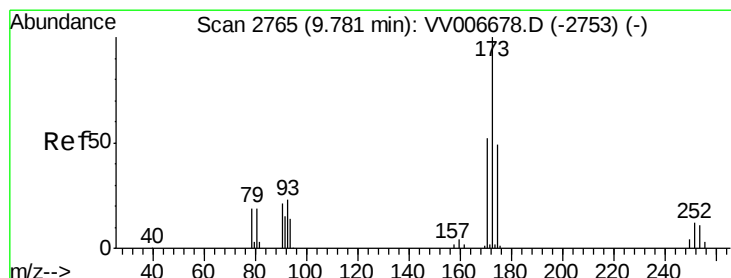
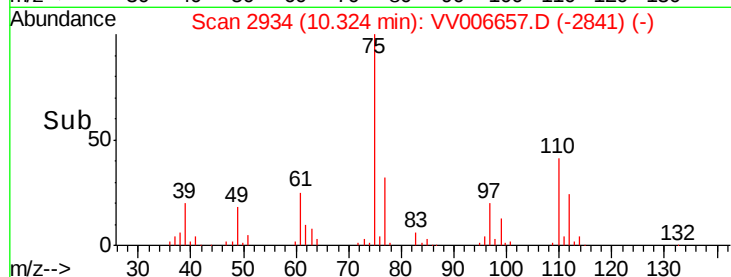
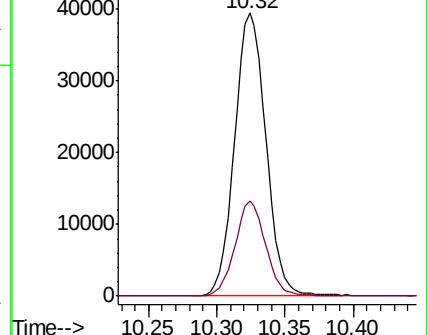
75 100

77 32.8 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV006678.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV006678.D (-2922) (-)



#61

Bromoform

Concen: 5.237 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

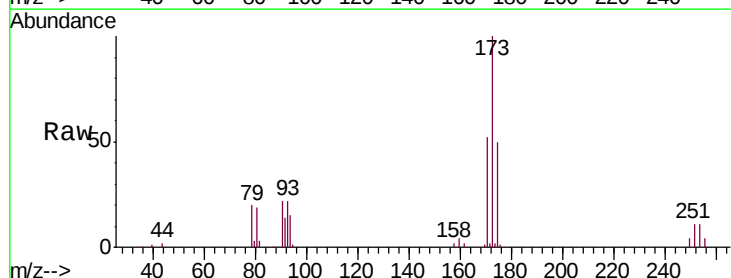
Tgt Ion: 173 Resp: 39923

Ion Ratio Lower Upper

173 100

175 47.8 38.9 58.3

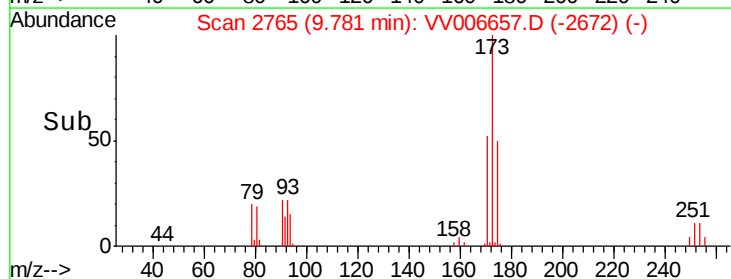
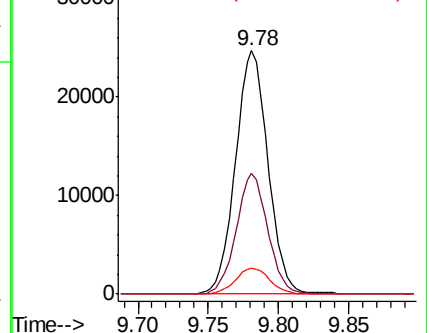
254 11.0 9.1 13.7

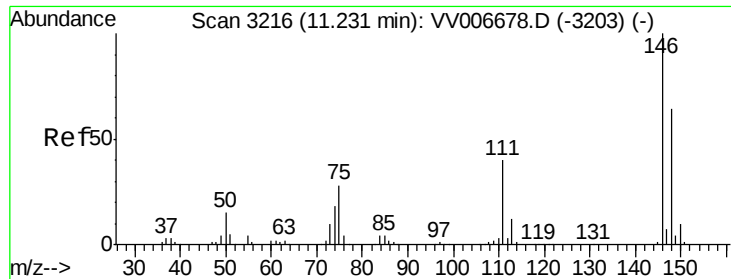


Abundance Ion 172.90 (172.60 to 173.60): VV006678.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006678.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006678.D (-2753) (-)





#62

1,3-Dichlorobenzene

Concen: 5.574 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

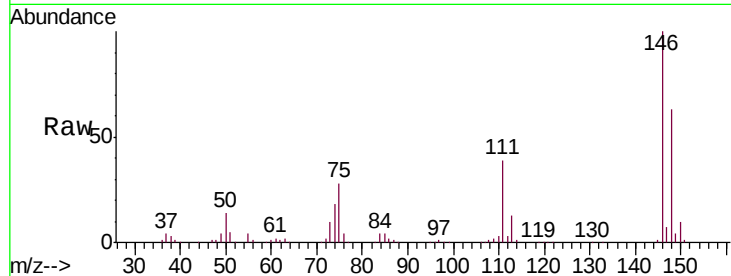
Tgt Ion:146 Resp: 223926

Ion Ratio Lower Upper

146 100

111 39.1 27.2 50.6

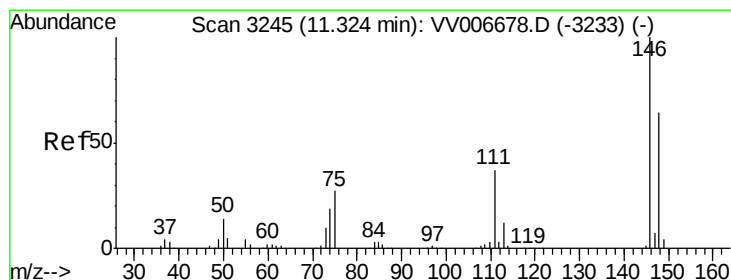
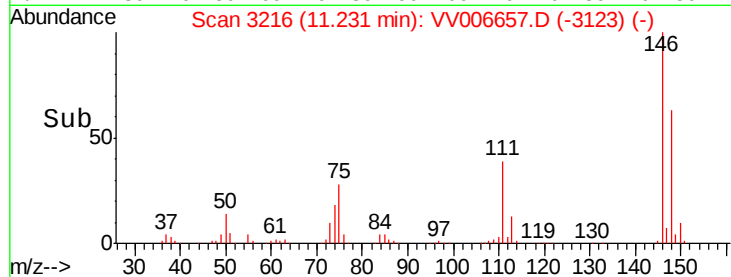
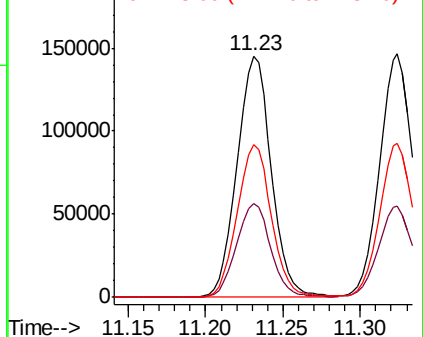
148 63.4 44.4 82.4



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: 5.535 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

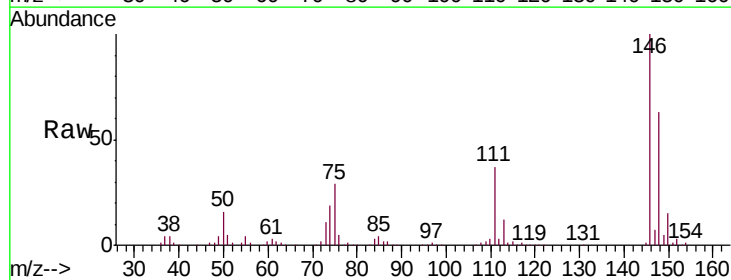
Tgt Ion:146 Resp: 225922

Ion Ratio Lower Upper

146 100

111 37.4 26.0 48.4

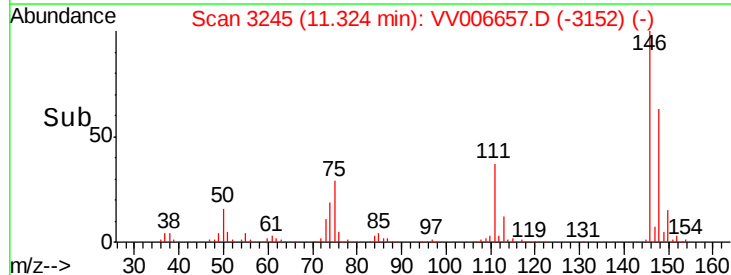
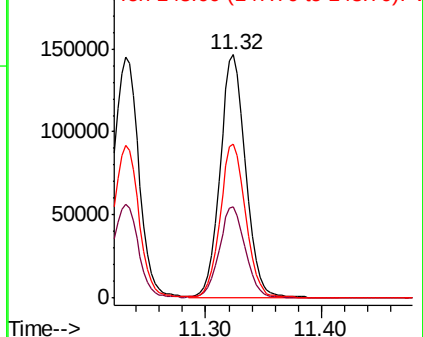
148 63.4 44.6 82.8

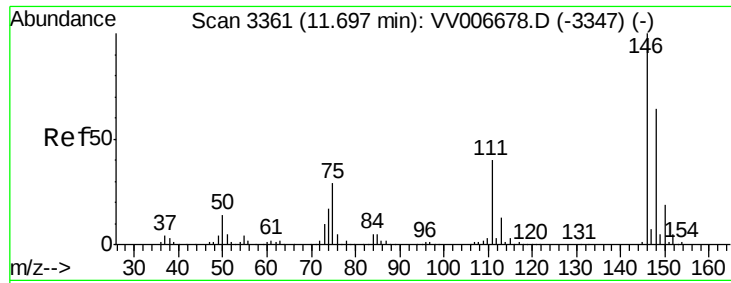


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.559 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

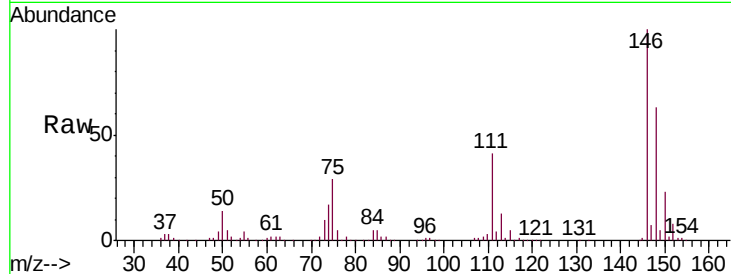
Tgt Ion:146 Resp: 214104

Ion Ratio Lower Upper

146 100

111 40.9 32.6 49.0

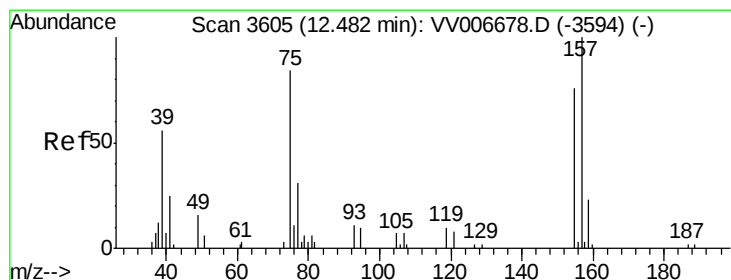
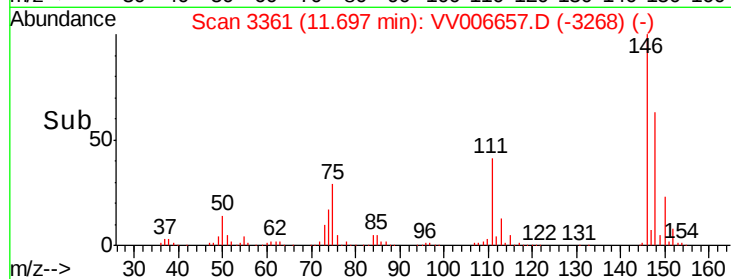
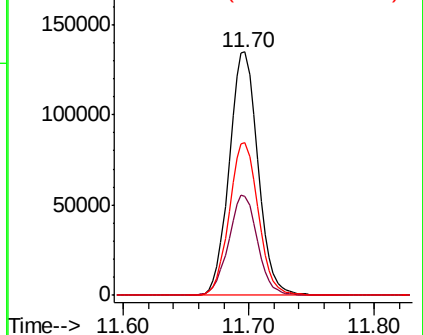
148 62.5 50.8 76.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.191 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

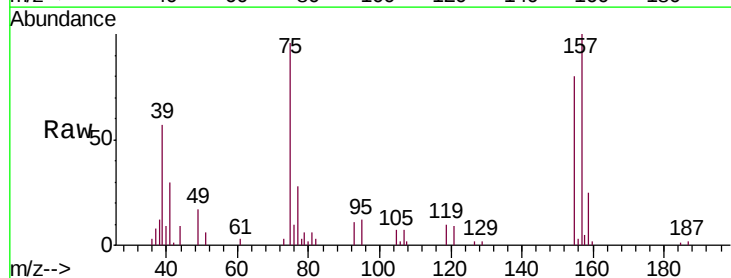
Tgt Ion: 75 Resp: 11864

Ion Ratio Lower Upper

75 100

155 83.5 69.8 104.6

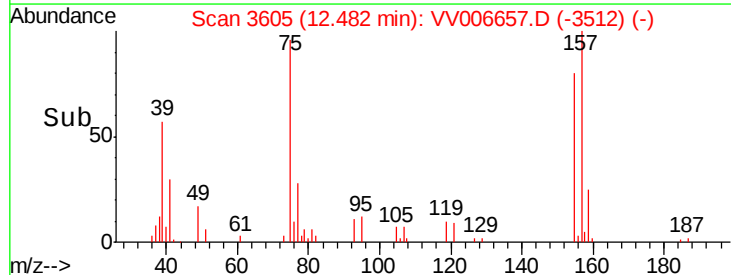
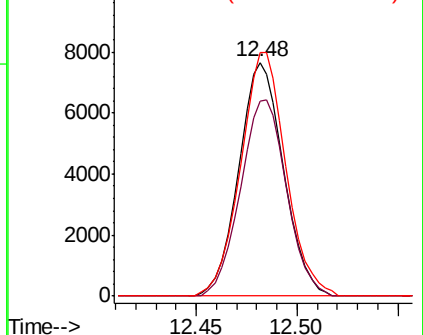
157 104.1 95.0 142.6

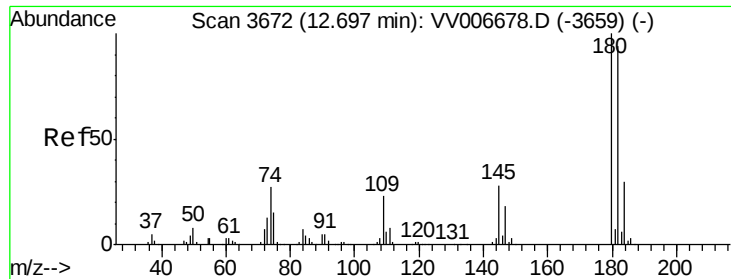


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

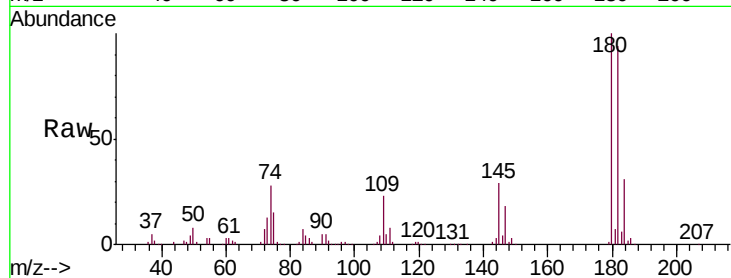




#67
 1,3,5-Trichlorobenzene
 Concen: 5.689 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV006657.D
 Acq: 20 Jul 2018 10:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.4	116.0
184	30.5	24.2	36.2
145	28.6	23.2	34.8



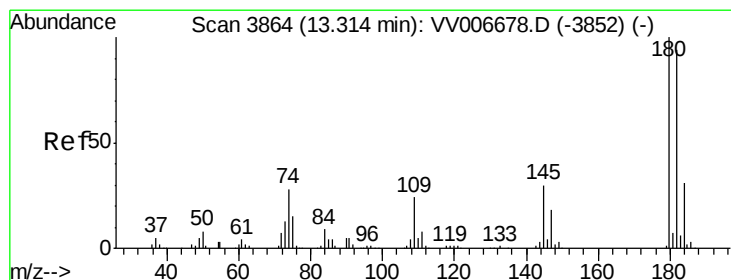
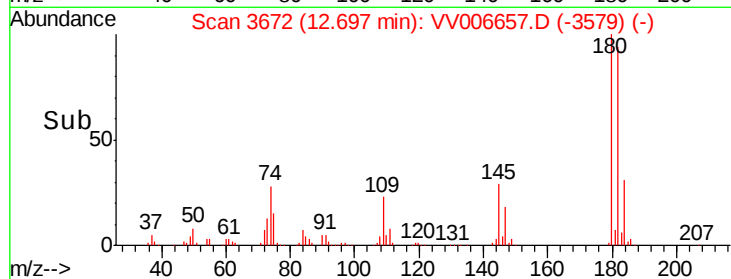
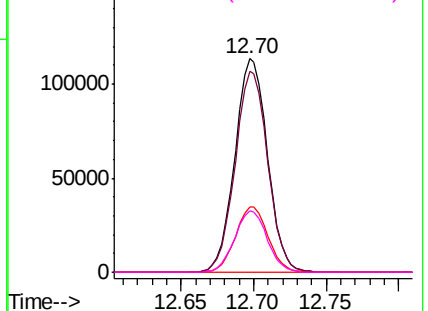
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

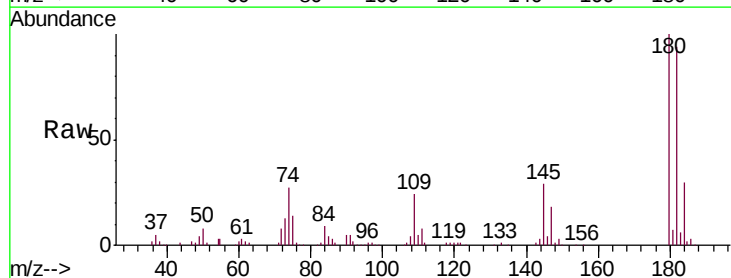
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.554 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. -0.00 min
 Lab File: VV006657.D
 Acq: 20 Jul 2018 10:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.8	113.8
145	28.7	23.4	35.0

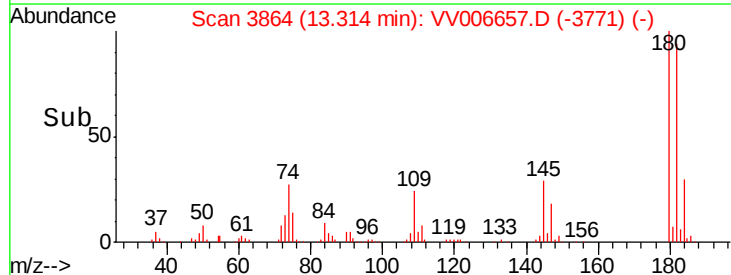
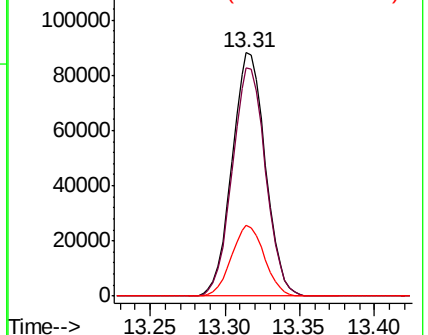


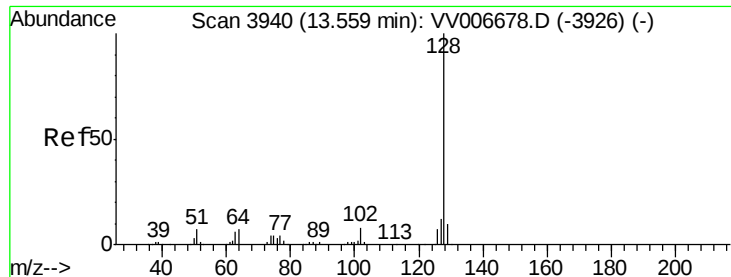
Abundance

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: 5.131 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

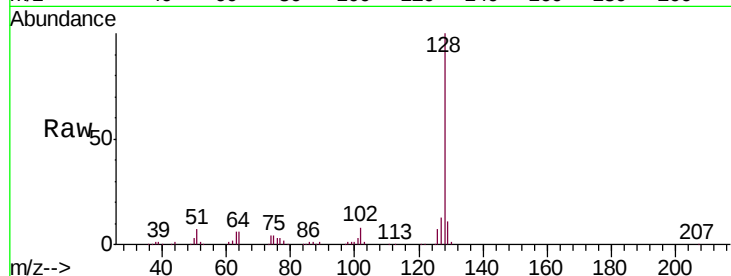
Tgt Ion:128 Resp: 218781

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

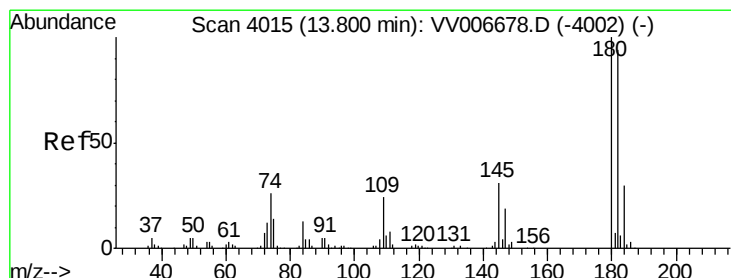
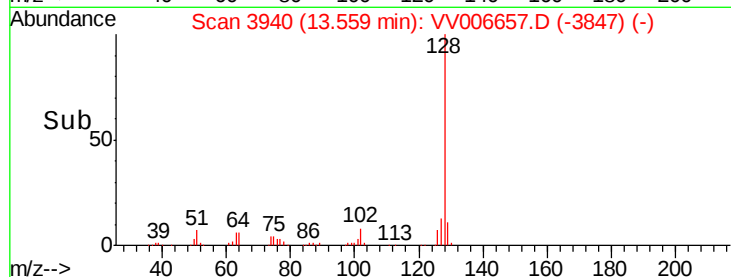
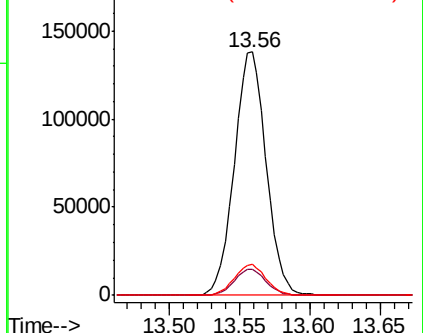
127 12.5 10.2 15.4



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: 5.505 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006657.D

Acq: 20 Jul 2018 10:01

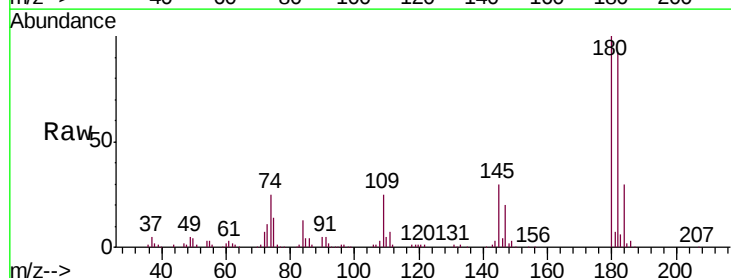
Tgt Ion:180 Resp: 127741

Ion Ratio Lower Upper

180 100

182 93.6 75.9 113.9

145 30.2 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

