

Data File : VV011697.D
Acq On : 21 Jun 2019 21:07
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Quant Time: Jun 22 04:16:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 22 04:10:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	165276	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	152916	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71471	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	42315	3.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.20%
7) Chloroethane-d5	1.57	69	28314	3.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.40%
11) 1,1-Dichloroethene-d2	2.12	63	95790	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	3.95	46	160294	55.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.94%
24) Chloroform-d	4.40	84	85827	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.08	65	56132	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.09	84	193035	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.12	67	58844	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	7.36	98	170739	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	7.67	79	21391	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.14	63	121869	56.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.14%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	46912	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	60143	4.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	79240	4.609 ug/L	98
3) Chloromethane	1.24	50	72282	4.634 ug/L	98
5) Vinyl chloride	1.32	62	73348	4.799 ug/L	97
6) Bromomethane	1.53	94	25281	3.795 ug/L	98
8) Chloroethane	1.59	64	33847	4.238 ug/L	94
9) Trichlorofluoromethane	1.76	101	96644	4.887 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	52590	4.693 ug/L	100
12) 1,1-Dichloroethene	2.13	96	49623	4.851 ug/L	88
13) Acetone	2.20	43	104993	50.299 ug/L	99
14) Carbon disulfide	2.31	76	124846	4.535 ug/L	98
15) Methyl Acetate	2.46	43	26414	5.082 ug/L	94
16) Methylene chloride	2.53	84	52622	4.617 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	141607	5.061 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	57406	4.773 ug/L	98
19) 1,1-Dichloroethane	3.22	63	116002	4.853 ug/L	97
21) 2-Butanone	4.04	43	182712	54.329 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	62503	4.730 ug/L	98

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ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Quant Time: Jun 22 04:16:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 22 04:10:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	23965	4.813	ug/L	96
25) Chloroform	4.42	83	133899	5.102	ug/L	99
27) 1,2-Dichloroethane	5.18	62	77708	4.886	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	94741	4.812	ug/L	100
30) Cyclohexane	4.72	56	105310	4.683	ug/L	98
31) Carbon tetrachloride	4.87	117	78792	4.734	ug/L	100
33) Benzene	5.14	78	248957	4.911	ug/L	100
34) Trichloroethene	5.96	95	63139	4.697	ug/L	99
35) Methylcyclohexane	6.17	83	102135	4.706	ug/L	99
37) 1,2-Dichloropropane	6.22	63	62390	4.847	ug/L	99
38) Bromodichloromethane	6.55	83	70728	4.818	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	80502	4.766	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	448643	55.567	ug/L	100
42) Toluene	7.43	91	262282	4.951	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	63786	5.099	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	41938	5.133	ug/L	94
47) Tetrachloroethene	8.02	164	47848	4.779	ug/L	96
48) 2-Hexanone	8.19	43	315083	55.503	ug/L	99
49) Dibromochloromethane	8.29	129	41819	5.093	ug/L	95
50) 1,2-Dibromoethane	8.40	107	39533	5.299	ug/L #	99
51) Chlorobenzene	8.92	112	158248	4.818	ug/L	99
52) Ethylbenzene	9.05	91	282766	4.836	ug/L	98
53) m,p-xylene	9.18	106	103302	4.811	ug/L	98
54) o-xylene	9.59	106	103502	4.931	ug/L	98
55) Styrene	9.60	104	170218	5.088	ug/L	99
56) Isopropylbenzene	9.97	105	274933	4.888	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	51000	5.250	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	38124	5.097	ug/L	95
61) Bromoform	9.77	173	19943	4.969	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	112817	4.680	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	114188	4.585	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	111735	4.866	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	6727	5.115	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	82977	4.629	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	65891	4.743	ug/L	99
69) Naphthalene	13.55	128	112991	4.974	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	63464	4.914	ug/L	99

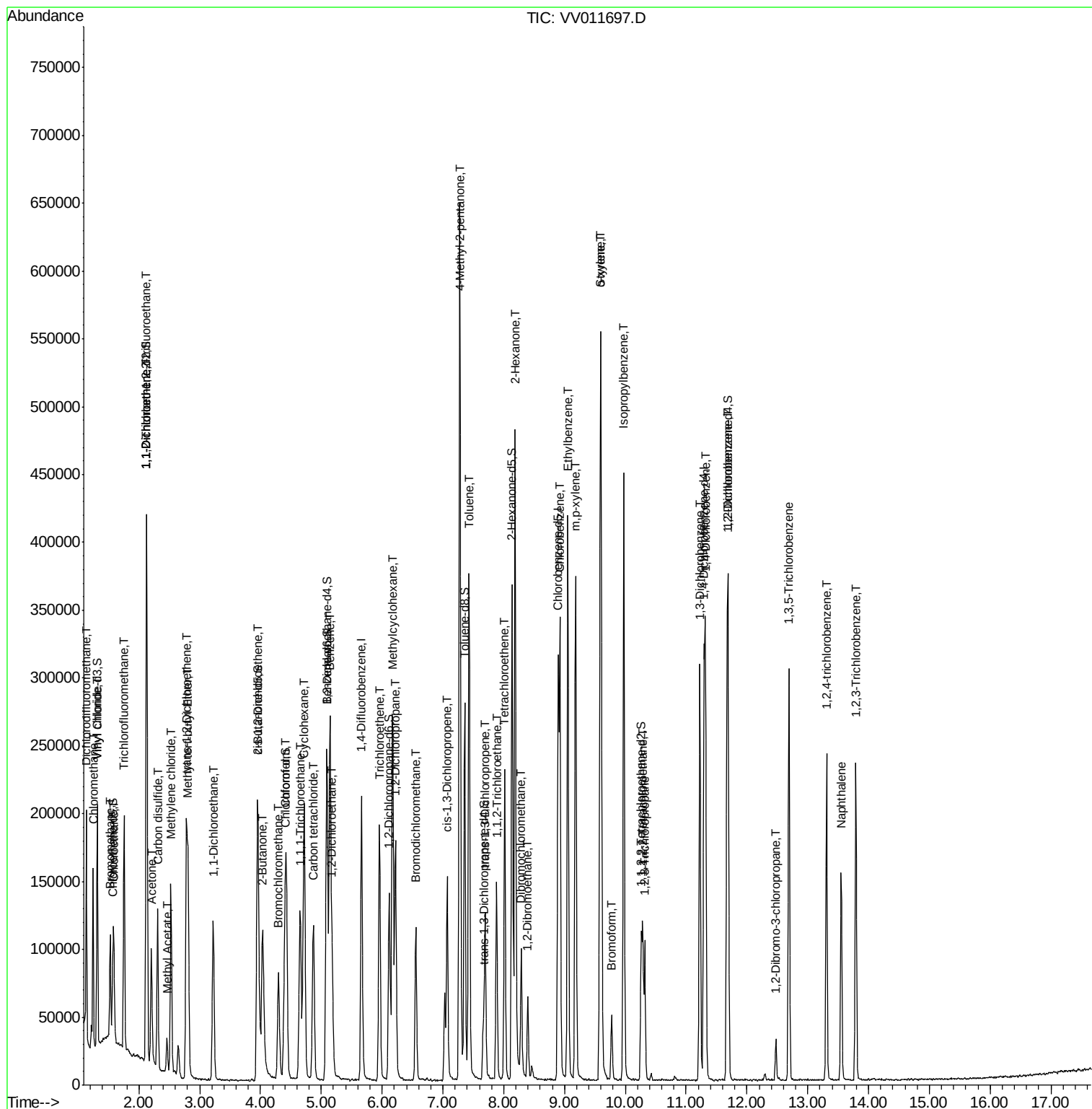
(#) = qualifier out of range (m) = manual integration (+) = signals summed

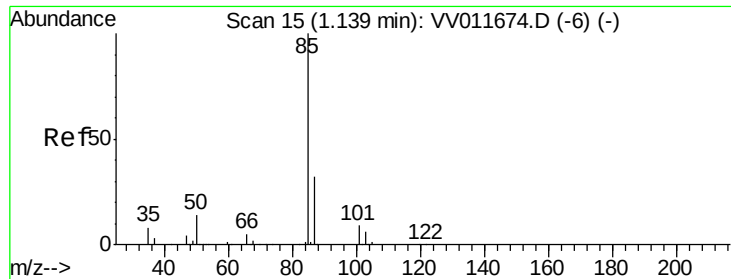
Data File : VV011697.D

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Acq On       : 21 Jun 2019  21:07
Operator    : SY/MD
Sample      : VSTDCCC005
Misc       : 25ML/MSVOA_V/WATER
ALS Vial    : 27      Sample Multip
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Quant Time: Jun 22 04:16:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
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#2

Dichlorodifluoromethane

Concen: 4.609 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

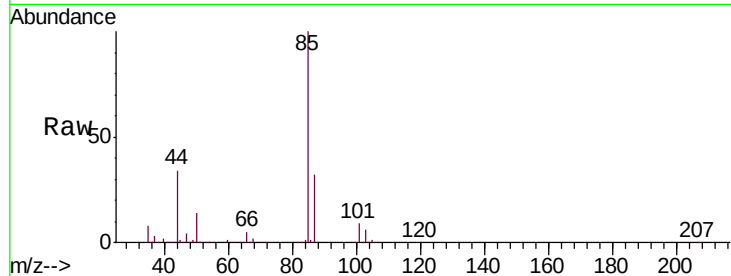
VSTD00545

Tgt Ion: 85 Resp: 79240

Ion Ratio Lower Upper

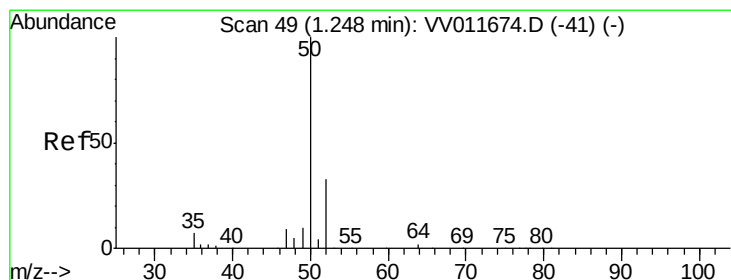
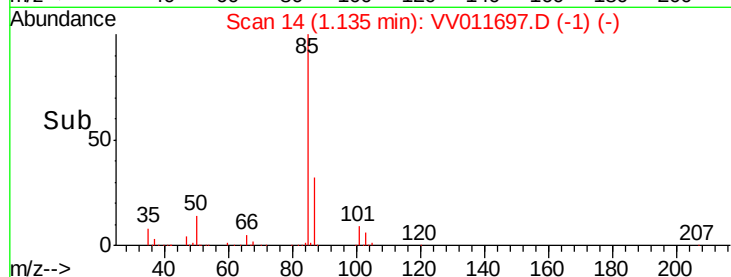
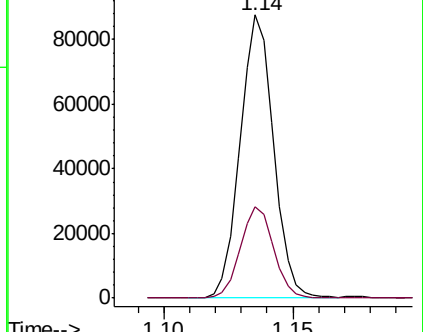
85 100

87 32.1 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VV011697.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV011697.D (-1) (-)



#3

Chloromethane

Concen: 4.634 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV011697.D

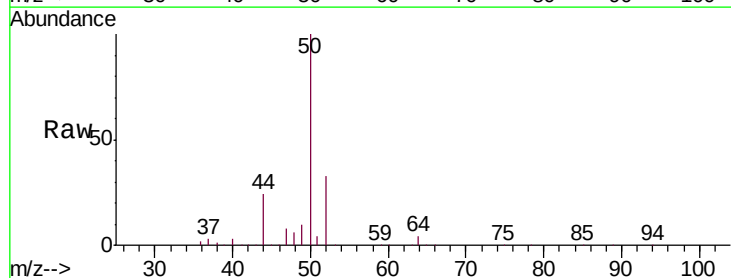
Acq: 21 Jun 2019 21:07

Tgt Ion: 50 Resp: 72282

Ion Ratio Lower Upper

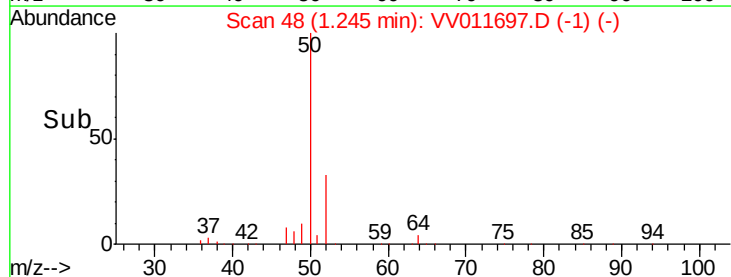
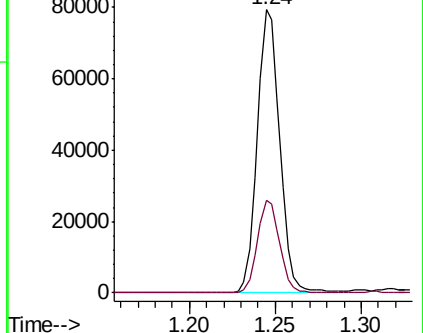
50 100

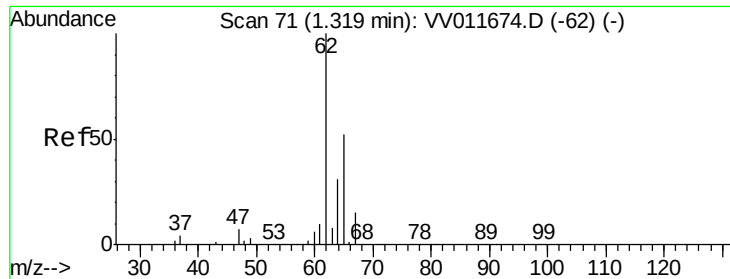
52 32.6 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VV011697.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV011697.D (-1) (-)





#5

Vinyl chloride

Concen: 4.799 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

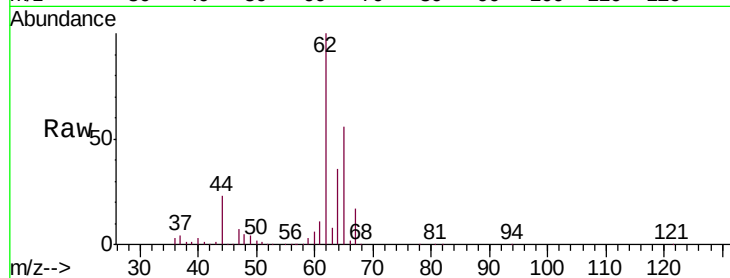
VSTD00545

Tgt Ion: 62 Resp: 73348

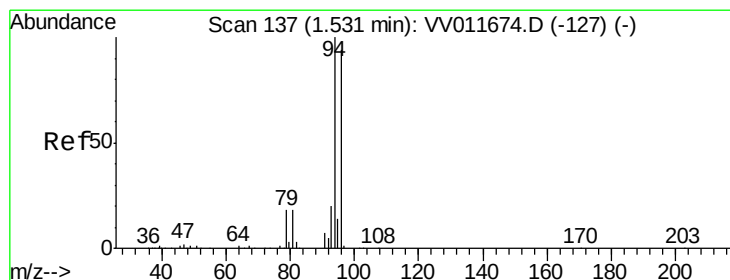
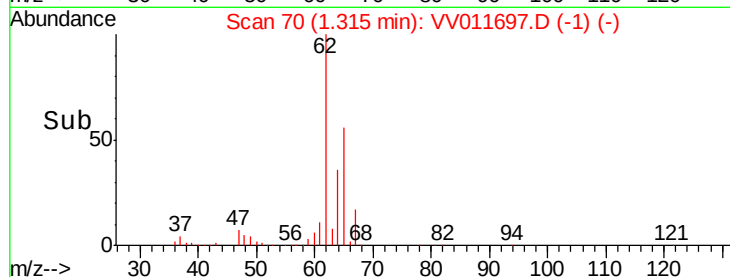
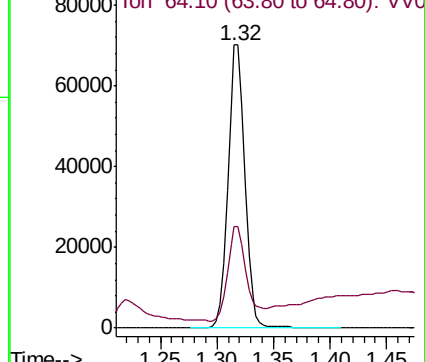
Ion Ratio Lower Upper

62 100

64 36.1 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV011697.D (-62) (-)



#6

Bromomethane

Concen: 3.795 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV011697.D

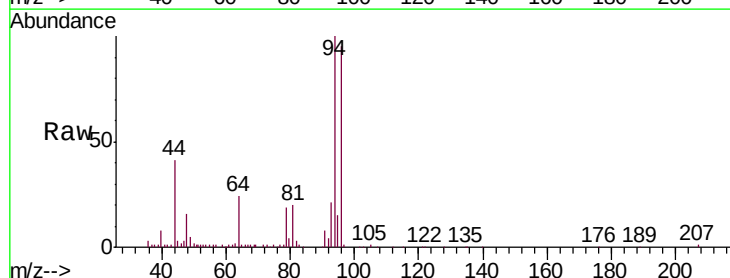
Acq: 21 Jun 2019 21:07

Tgt Ion: 94 Resp: 25281

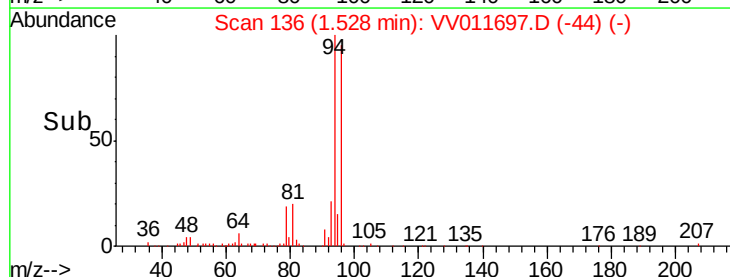
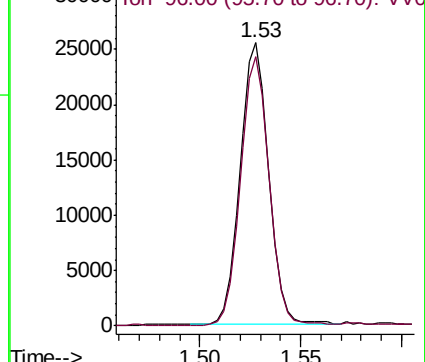
Ion Ratio Lower Upper

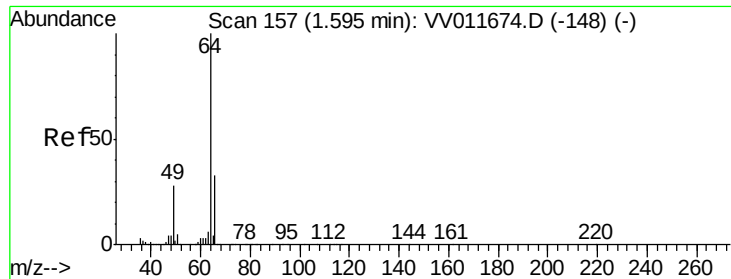
94 100

96 95.2 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV011697.D (-127) (-)





#8

Chloroethane

Concen: 4.238 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

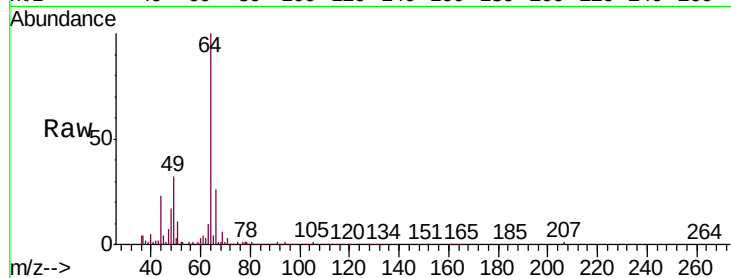
VSTD00545

Tgt Ion: 64 Resp: 33847

Ion Ratio Lower Upper

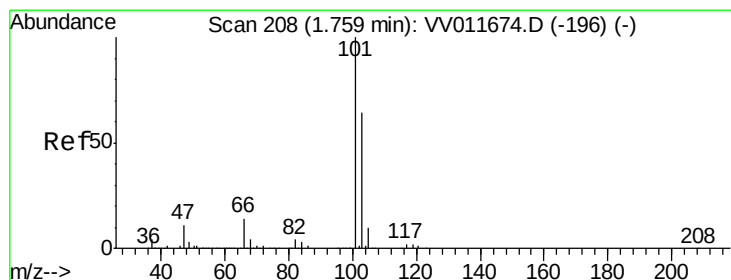
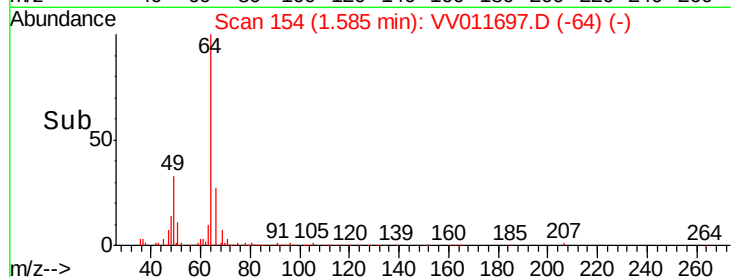
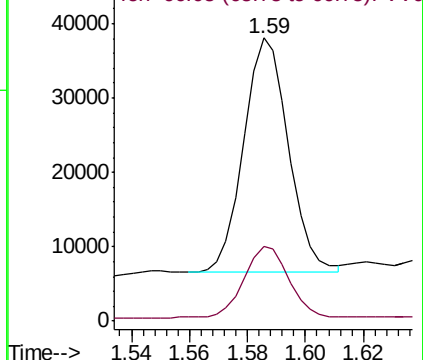
64 100

66 26.3 20.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VV011697.D

Ion 66.05 (65.75 to 66.75): VV011697.D



#9

Trichlorofluoromethane

Concen: 4.887 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV011697.D

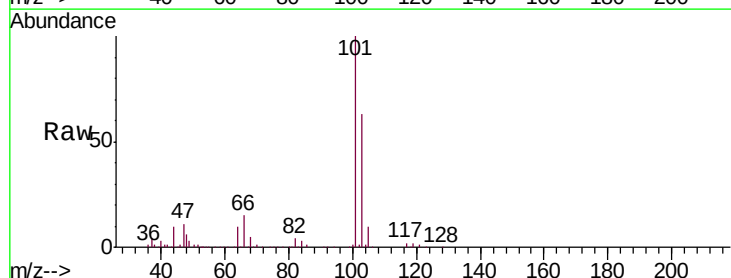
Acq: 21 Jun 2019 21:07

Tgt Ion: 101 Resp: 96644

Ion Ratio Lower Upper

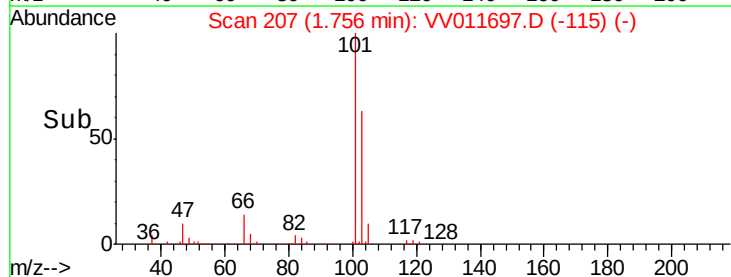
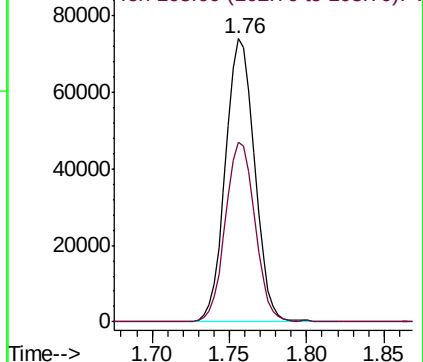
101 100

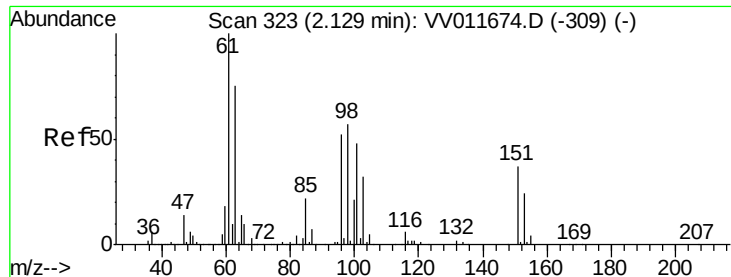
103 64.2 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV011697.D

Ion 103.00 (102.70 to 103.70): VV011697.D





#10

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

Concen: 4.693 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Instrument :

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ClientSampleId :

VSTD00545

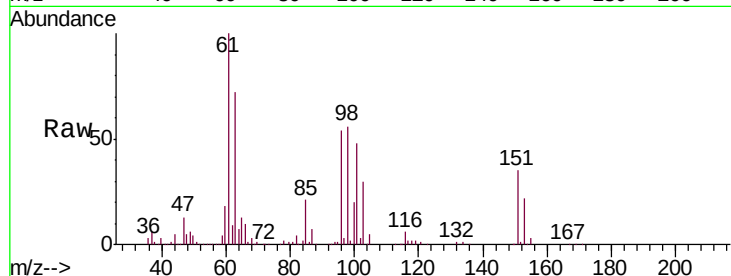
Tgt Ion:101 Resp: 52590

Ion Ratio Lower Upper

101 100

85 44.6 35.9 53.9

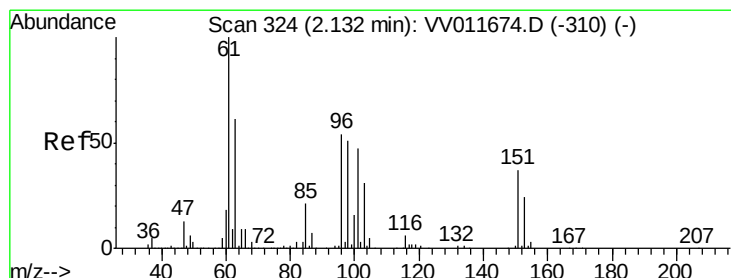
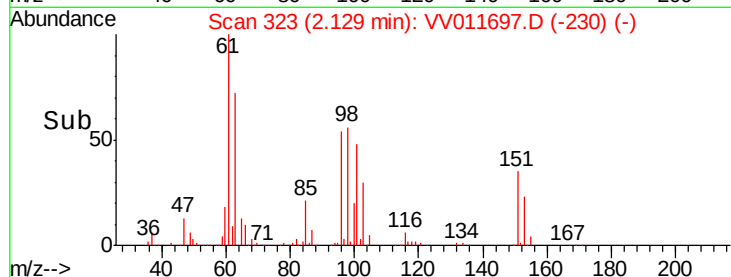
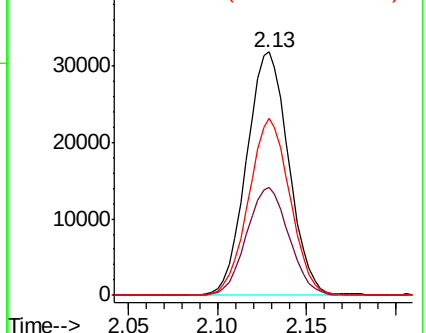
151 71.4 57.4 86.2



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: 4.851 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

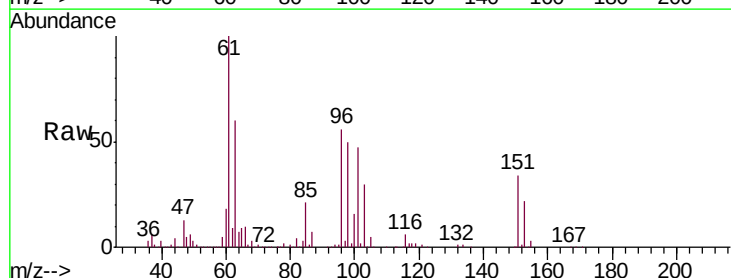
Tgt Ion: 96 Resp: 49623

Ion Ratio Lower Upper

96 100

61 179.3 131.5 244.1

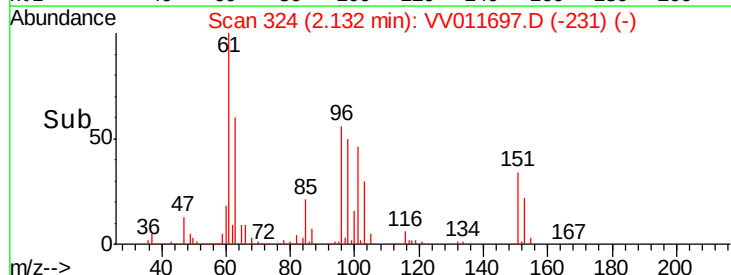
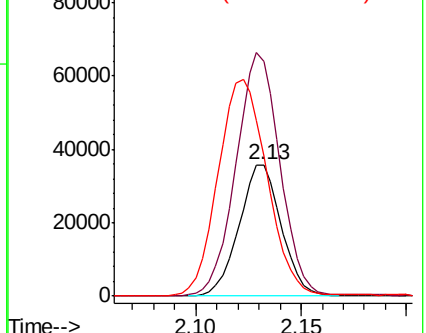
63 107.0 91.8 170.4

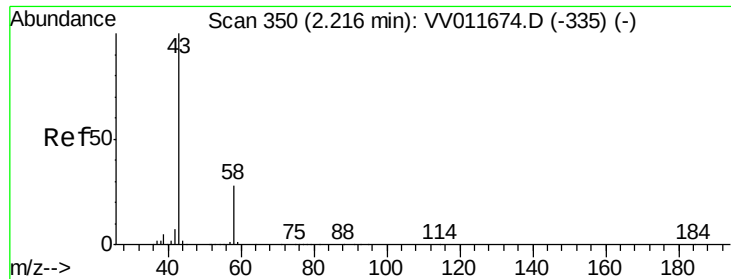


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.299 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.01 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

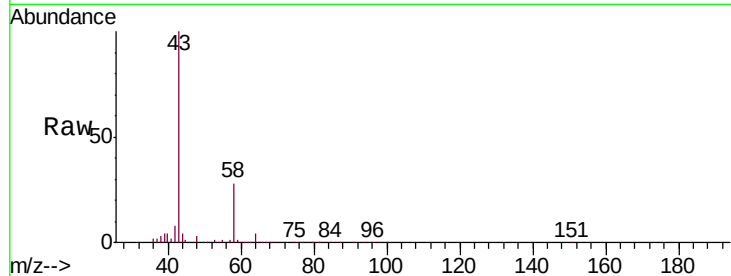
VSTD00545

Tgt Ion: 43 Resp: 104993

Ion Ratio Lower Upper

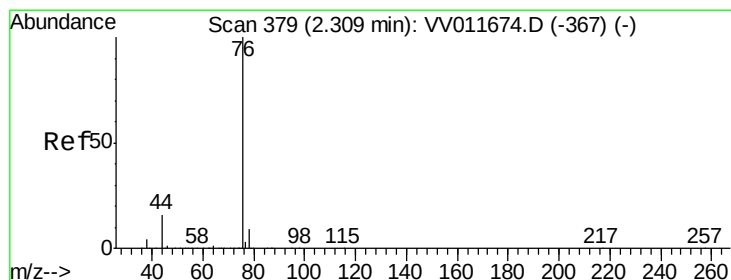
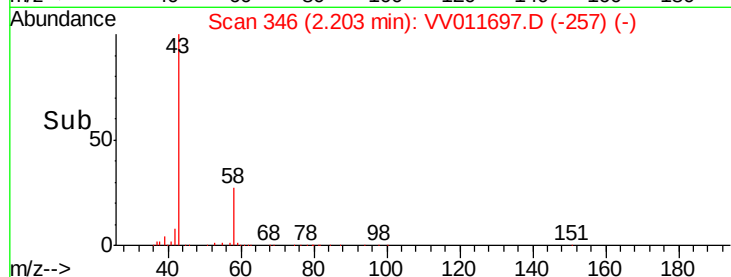
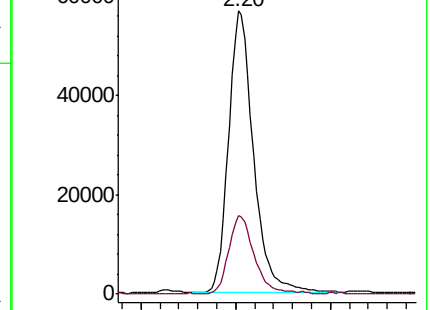
43 100

58 28.6 0.0 56.6



Abundance Ion 43.05 (42.75 to 43.75): VV011697.D (-346) (-)

Ion 58.05 (57.75 to 58.75): VV011697.D (-346) (-)



#14

Carbon disulfide

Concen: 4.535 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV011697.D

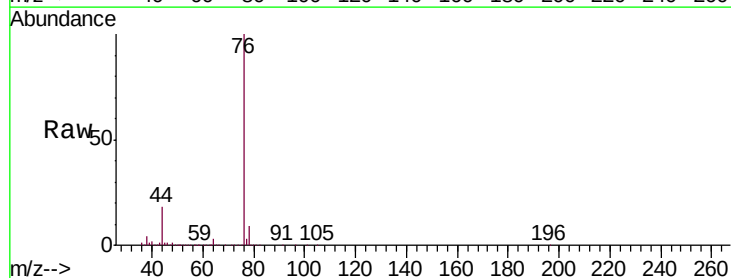
Acq: 21 Jun 2019 21:07

Tgt Ion: 76 Resp: 124846

Ion Ratio Lower Upper

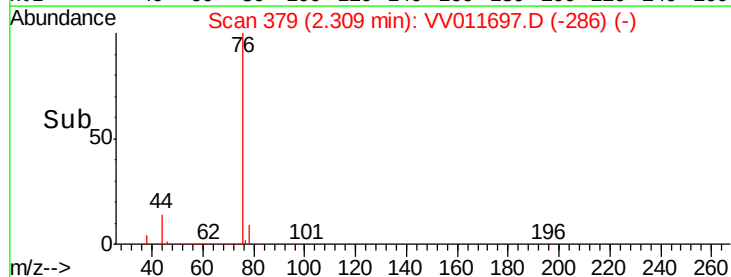
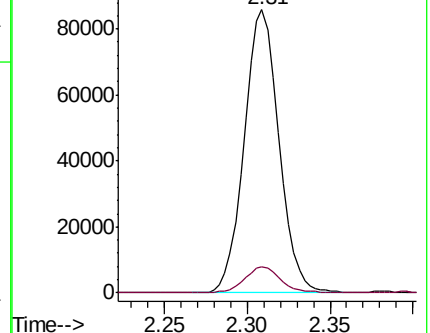
76 100

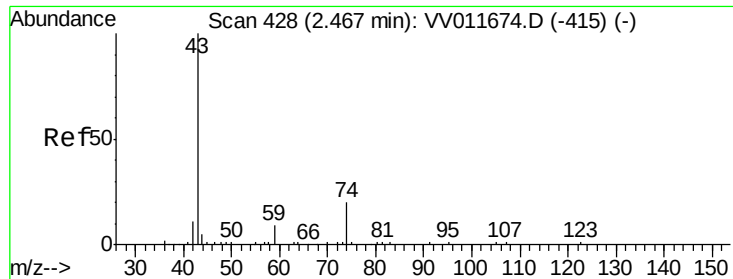
78 9.4 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VV011697.D (-379) (-)

Ion 78.00 (77.70 to 78.70): VV011697.D (-379) (-)





#15

Methyl Acetate

Concen: 5.082 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

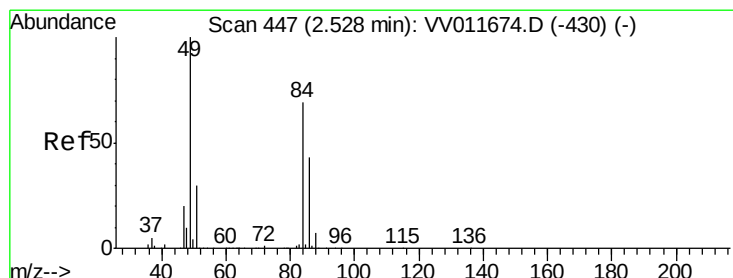
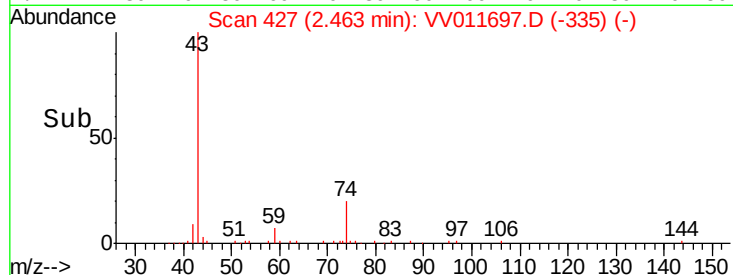
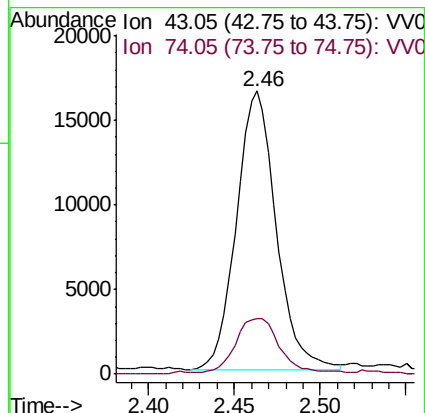
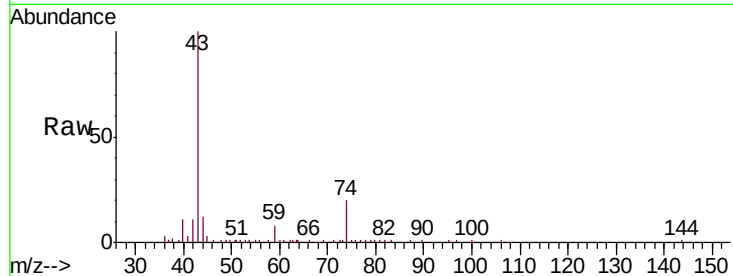
VSTD00545

Tgt Ion: 43 Resp: 26414

Ion Ratio Lower Upper

43 100

74 22.9 16.2 24.2



#16

Methylene chloride

Concen: 4.617 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

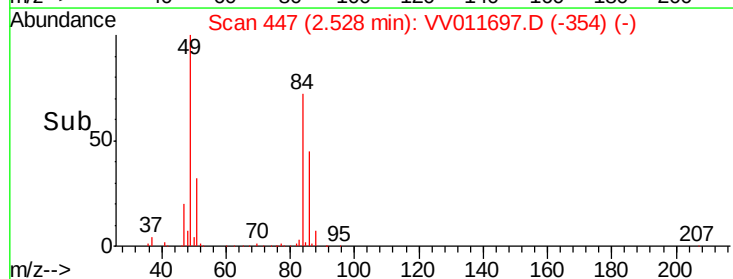
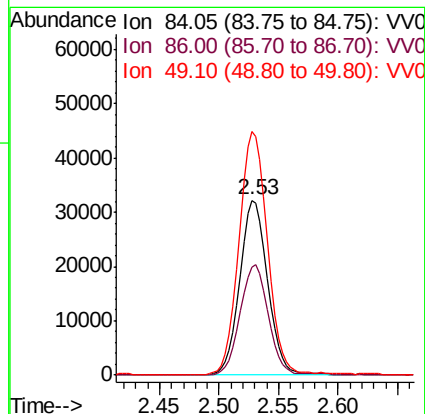
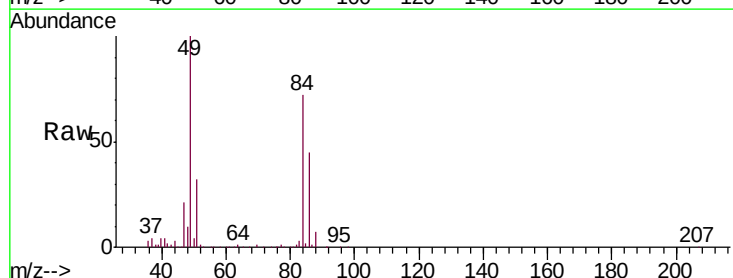
Tgt Ion: 84 Resp: 52622

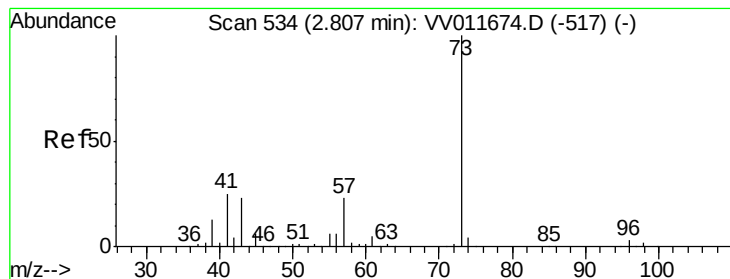
Ion Ratio Lower Upper

84 100

86 61.9 44.9 83.5

49 139.1 101.4 188.2





#17

Methyl tert-butyl Ether

Concen: 5.061 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

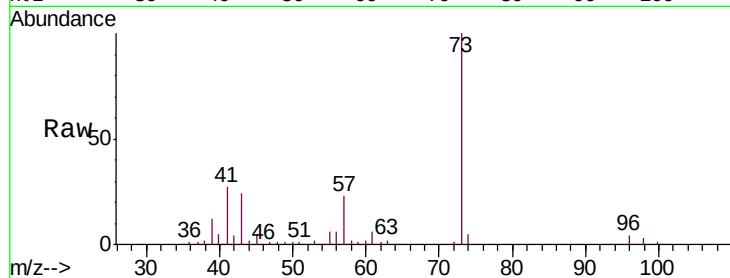
Tgt Ion: 73 Resp: 141607

Ion Ratio Lower Upper

73 100

43 23.8 18.9 28.3

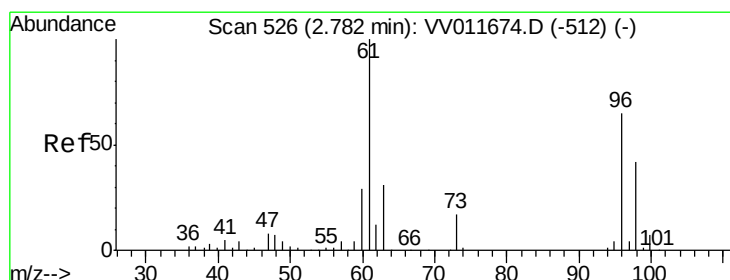
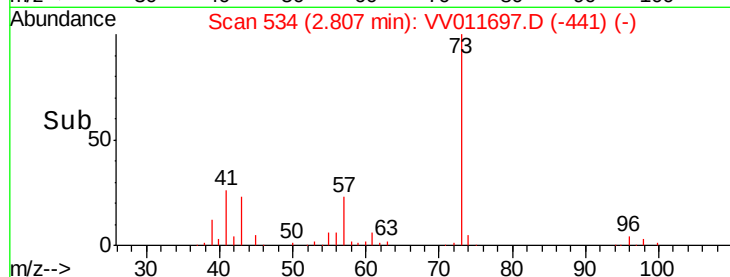
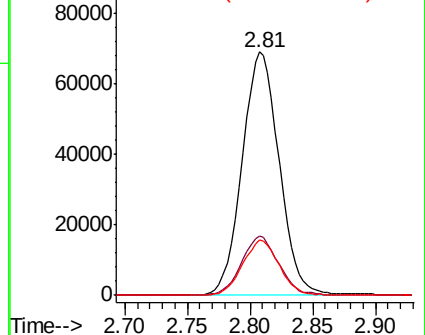
57 22.7 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.773 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

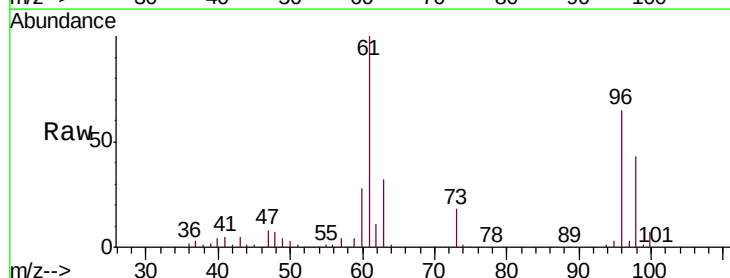
Tgt Ion: 96 Resp: 57406

Ion Ratio Lower Upper

96 100

61 152.7 109.3 203.1

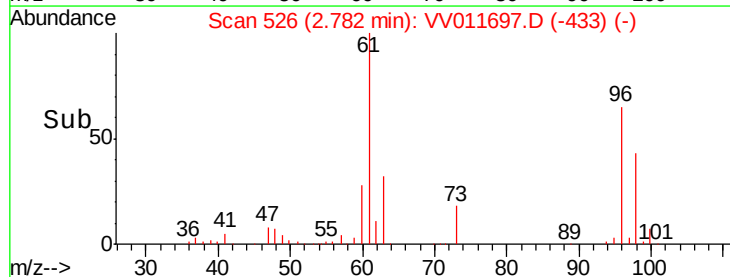
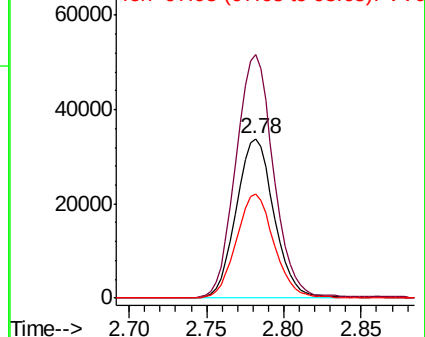
98 65.3 44.6 82.8

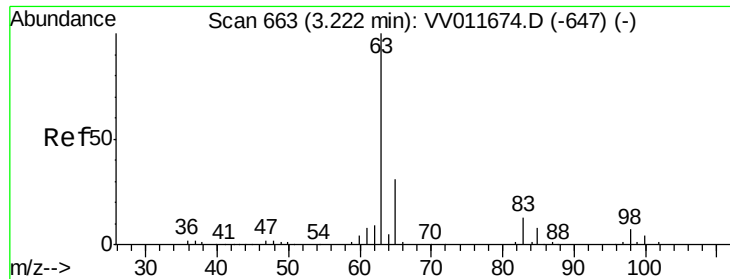


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

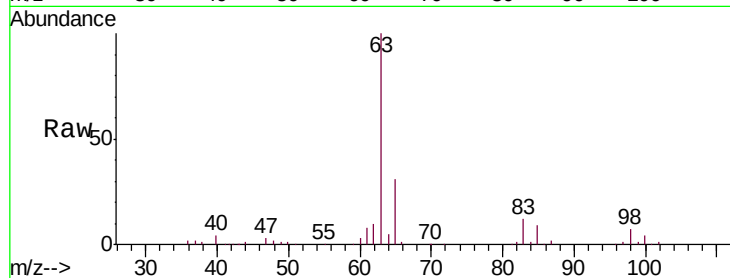




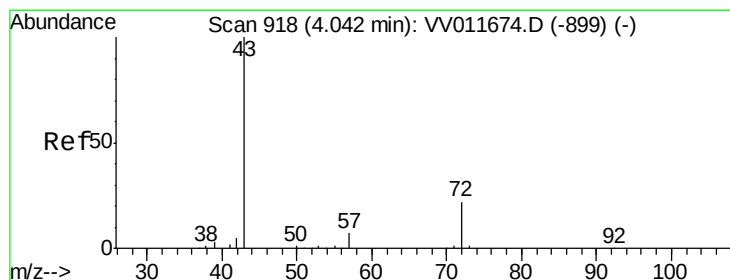
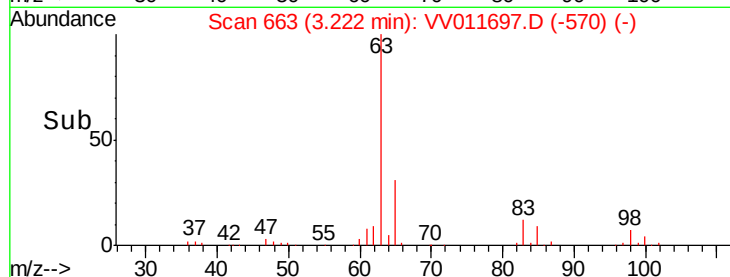
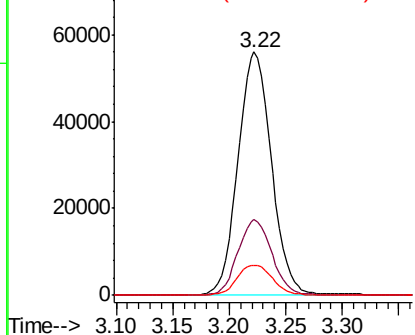
#19
 1,1-Dichloroethane
 Concen: 4.853 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV011697.D
 Acq: 21 Jun 2019 21:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tgt Ion: 63 Resp: 116002
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.0 42.8
 83 12.3 9.5 17.7

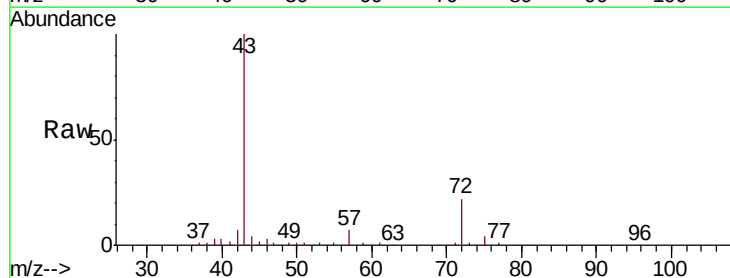


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

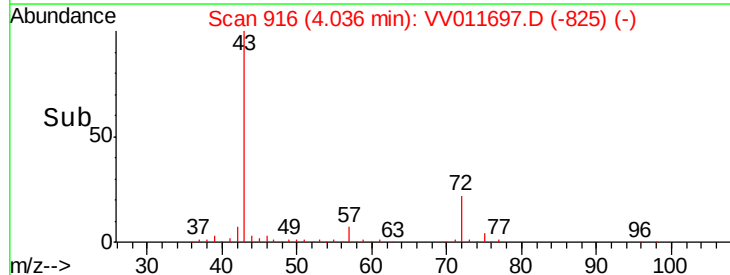
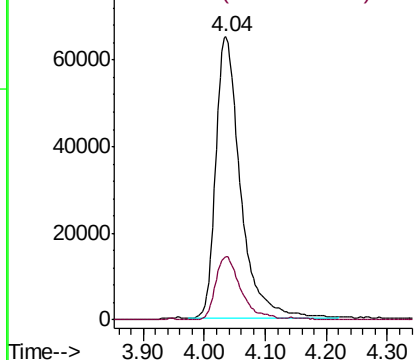


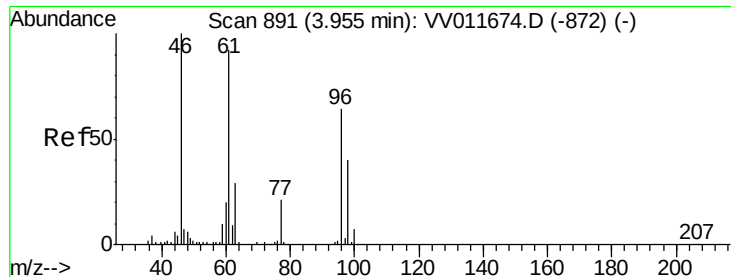
#21
 2-Butanone
 Concen: 54.329 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VV011697.D
 Acq: 21 Jun 2019 21:07

Tgt Ion: 43 Resp: 182712
 Ion Ratio Lower Upper
 43 100
 72 22.8 10.9 32.6



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



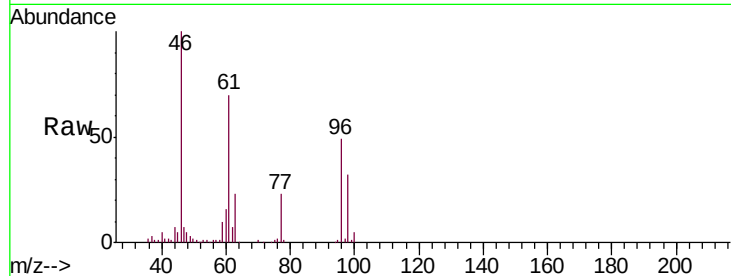


#22

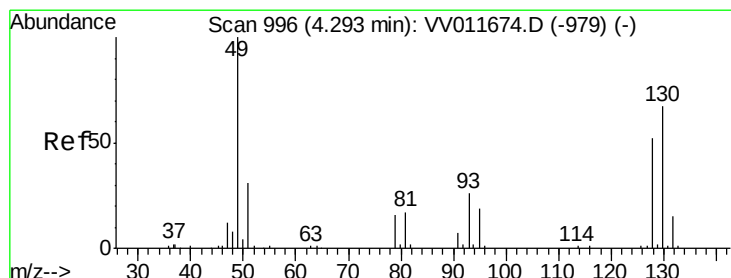
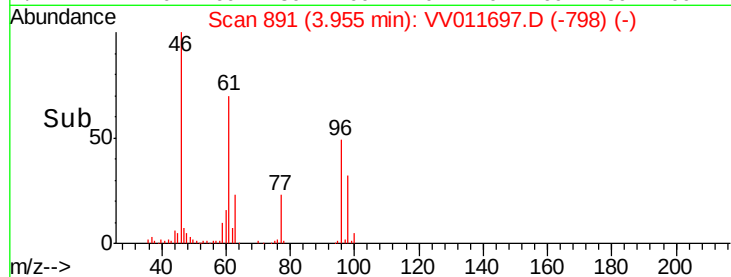
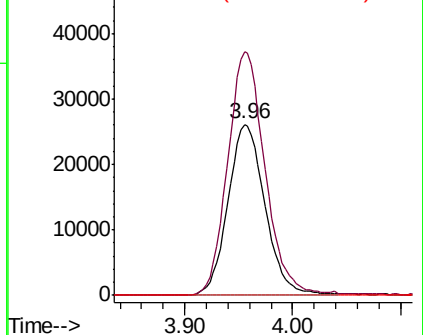
cis-1,2-Dichloroethene
Concen: 4.730 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV011697.D
Acq: 21 Jun 2019 21:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Tgt Ion: 96 Resp: 62503
Ion Ratio Lower Upper
96 100
61 142.3 97.9 181.7
68 0.0 0.0 0.0



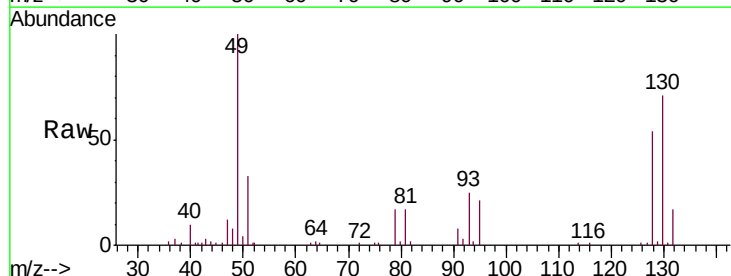
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



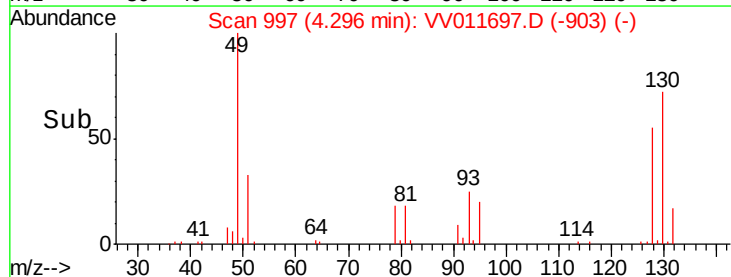
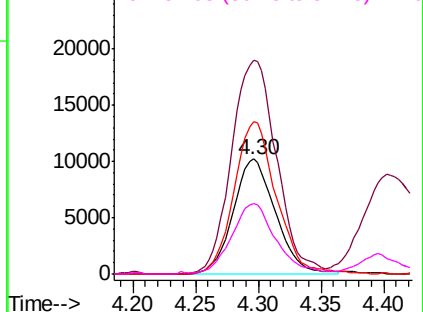
#23

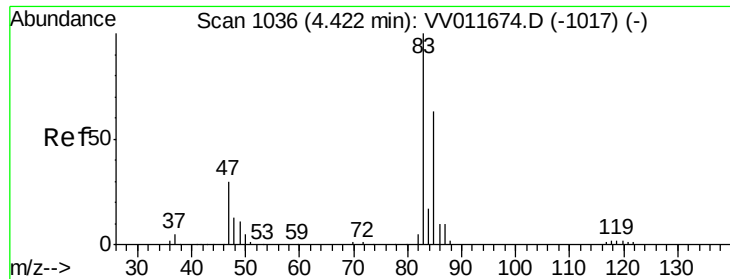
Bromochloromethane
Concen: 4.813 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV011697.D
Acq: 21 Jun 2019 21:07

Tgt Ion: 128 Resp: 23965
Ion Ratio Lower Upper
128 100
49 185.5 134.8 250.4
130 132.5 91.2 169.4
51 61.6 47.2 70.8



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

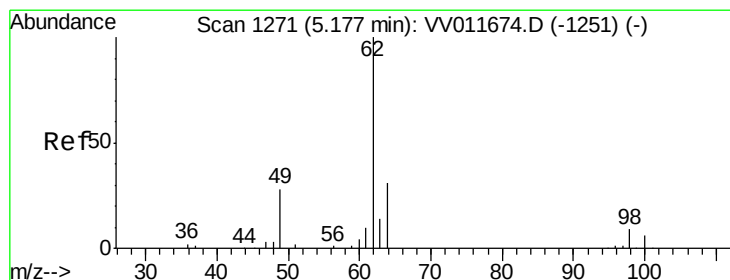
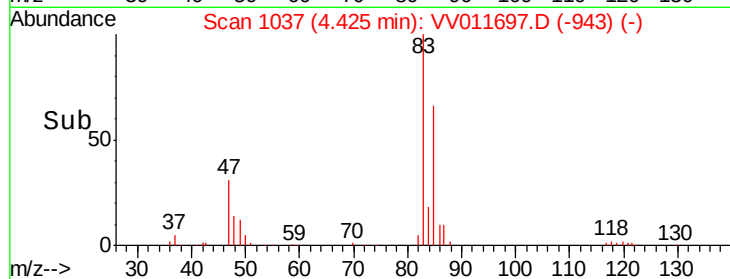
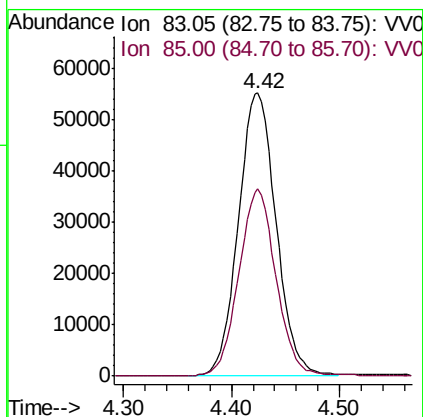
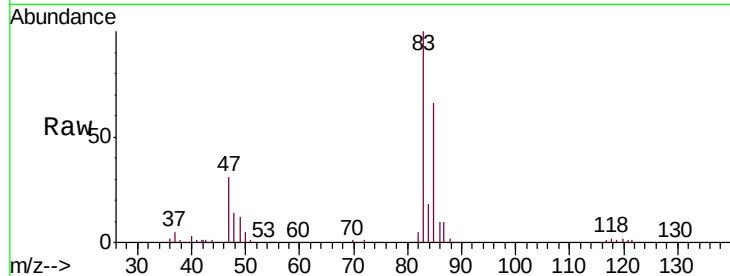




#25
 Chloroform
 Concen: 5.102 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV011697.D
 Acq: 21 Jun 2019 21:07

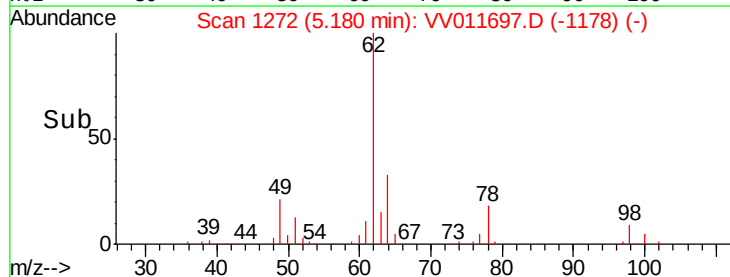
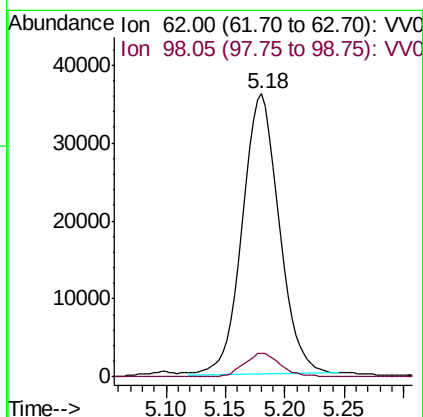
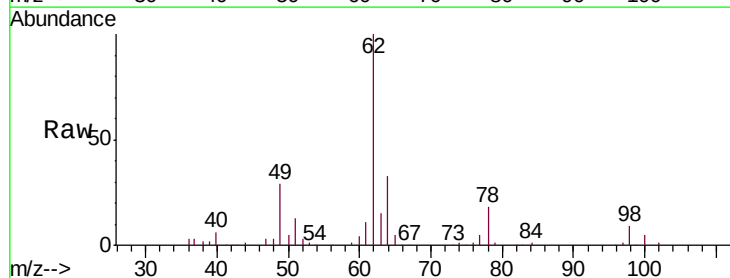
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

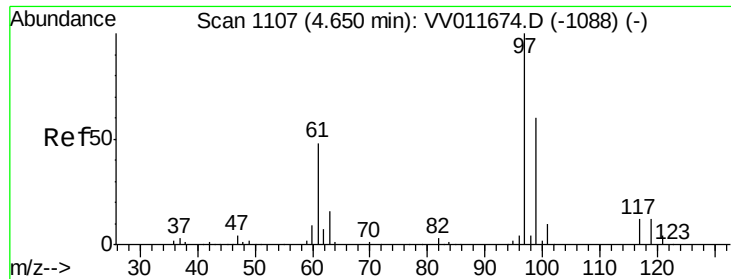
Tgt Ion: 83 Resp: 133899
 Ion Ratio Lower Upper
 83 100
 85 66.3 47.0 87.2



#27
 1,2-Dichloroethane
 Concen: 4.886 ug/L
 RT: 5.18 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VV011697.D
 Acq: 21 Jun 2019 21:07

Tgt Ion: 62 Resp: 77708
 Ion Ratio Lower Upper
 62 100
 98 8.5 6.2 9.4

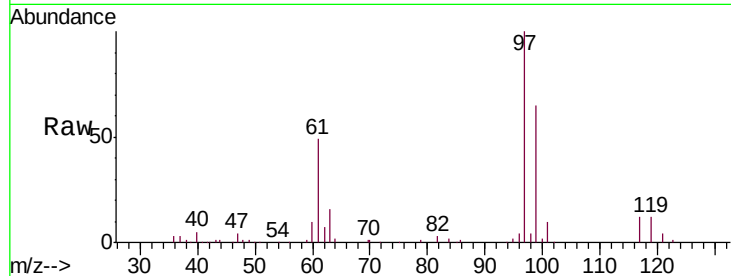




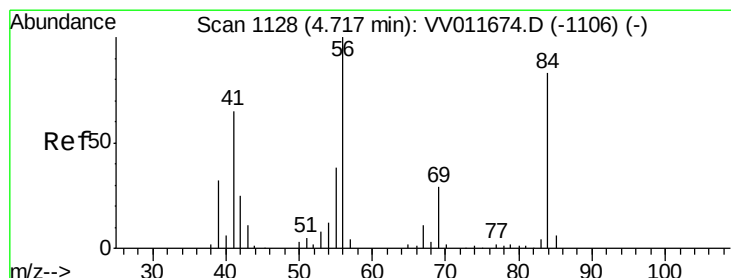
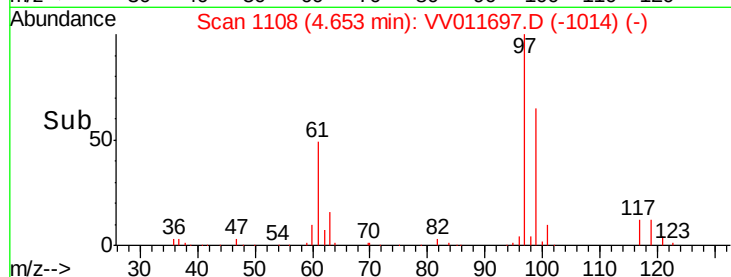
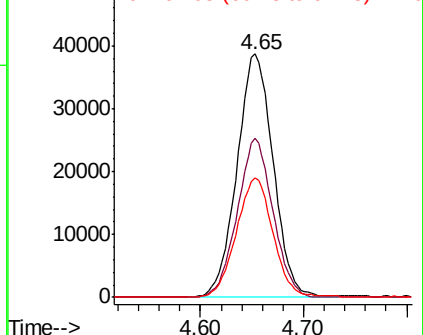
#29
 1,1,1-Trichloroethane
 Concen: 4.812 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV011697.D
 Acq: 21 Jun 2019 21:07

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00545

Tgt Ion: 97 Resp: 94741
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.6 77.4
 61 49.9 39.8 59.6

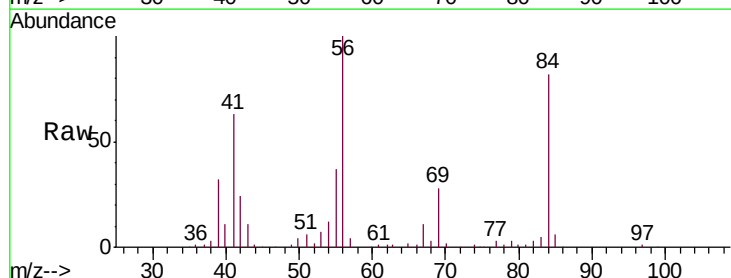


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

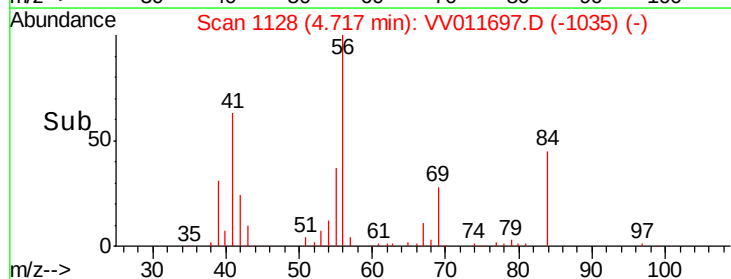
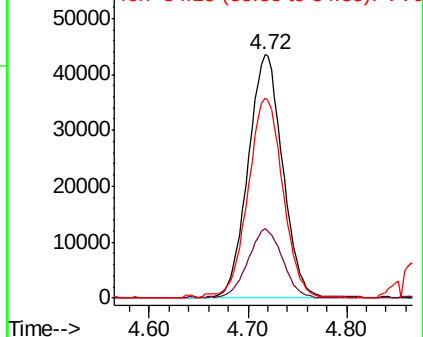


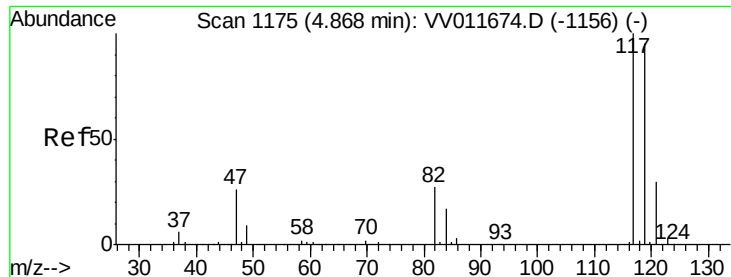
#30
 Cyclohexane
 Concen: 4.683 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV011697.D
 Acq: 21 Jun 2019 21:07

Tgt Ion: 56 Resp: 105310
 Ion Ratio Lower Upper
 56 100
 69 28.4 23.2 34.8
 84 82.9 65.0 97.4



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: 4.734 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

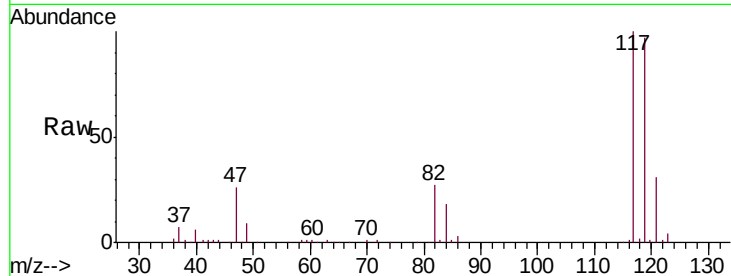
VSTD00545

Tgt Ion:117 Resp: 78792

Ion Ratio Lower Upper

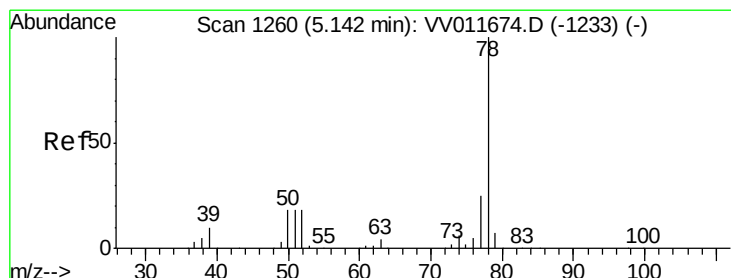
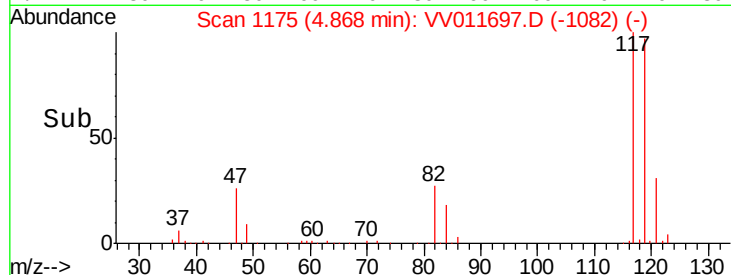
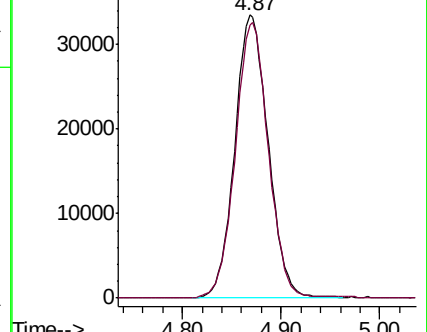
117 100

119 96.4 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.911 ug/L

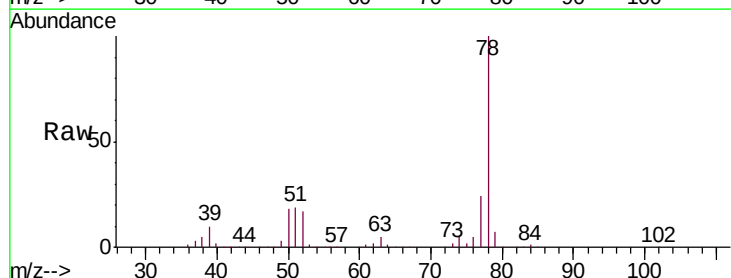
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

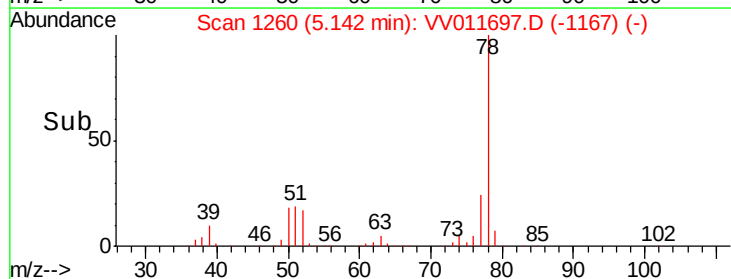
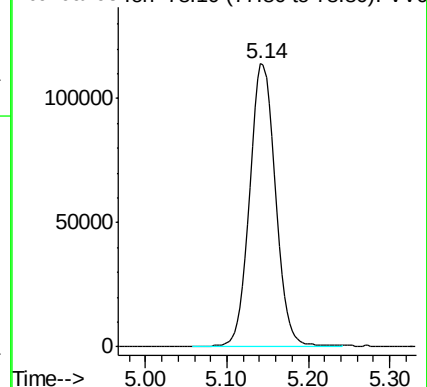
Lab File: VV011697.D

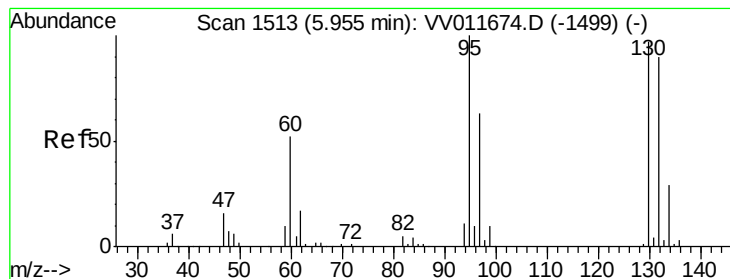
Acq: 21 Jun 2019 21:07

Tgt Ion: 78 Resp: 248957



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.697 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

Tgt Ion: 95 Resp: 63139

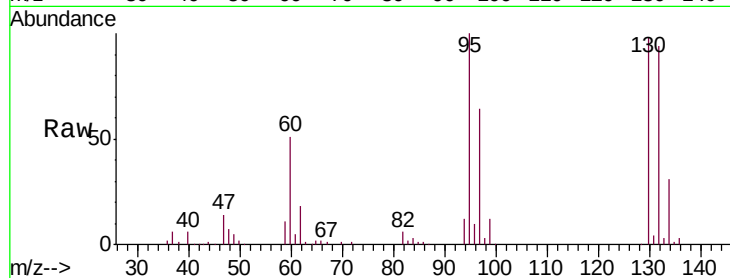
Ion Ratio Lower Upper

95 100

97 63.5 44.4 82.5

132 93.6 65.0 120.6

130 97.8 67.1 124.7

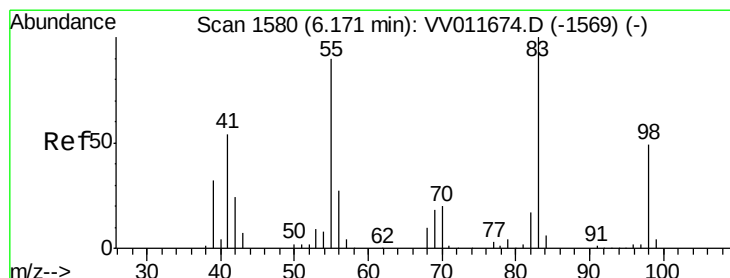
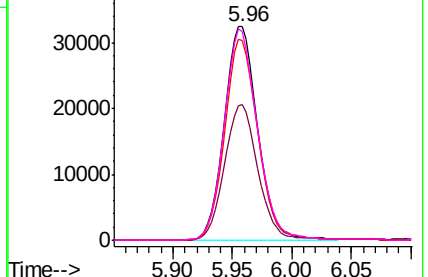
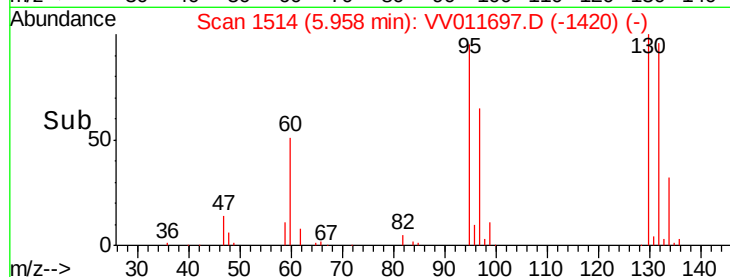


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.706 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

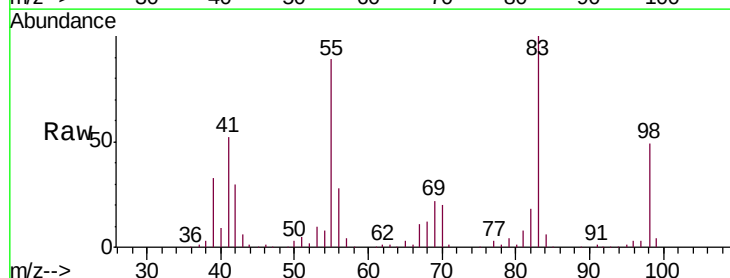
Tgt Ion: 83 Resp: 102135

Ion Ratio Lower Upper

83 100

55 85.7 69.4 104.2

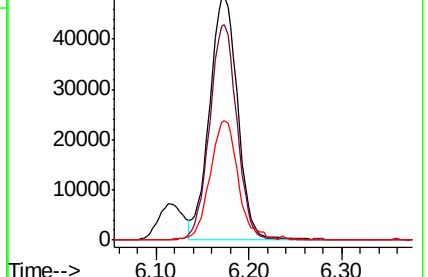
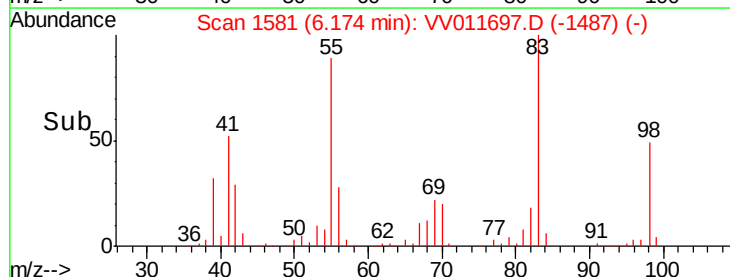
98 49.0 40.2 60.4

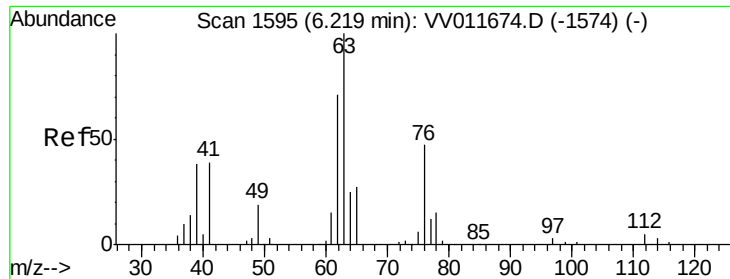


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

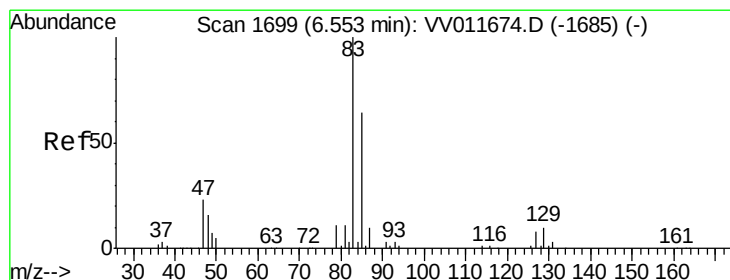
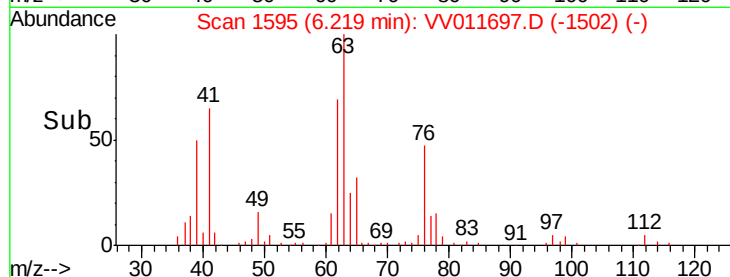
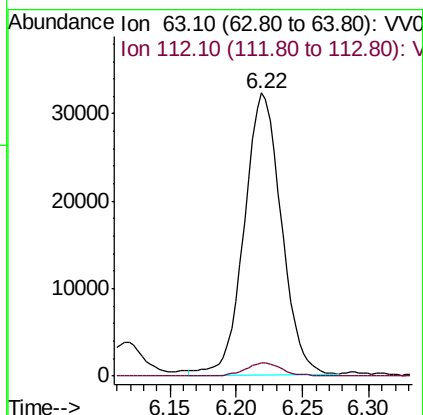
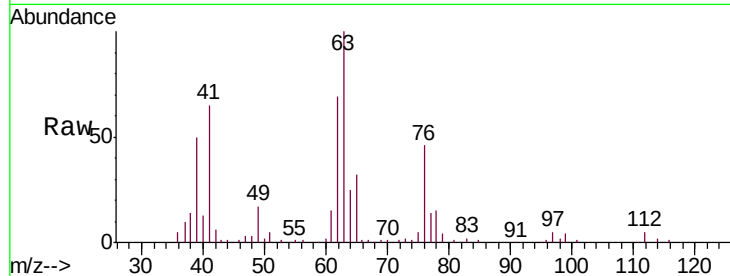




#37
 1,2-Dichloropropane
 Concen: 4.847 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV011697.D
 Acq: 21 Jun 2019 21:07

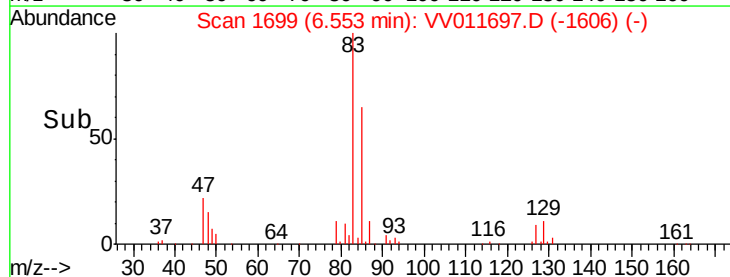
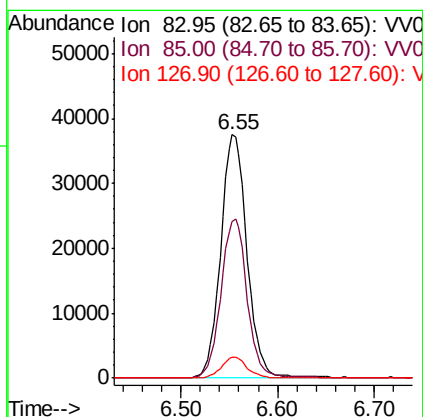
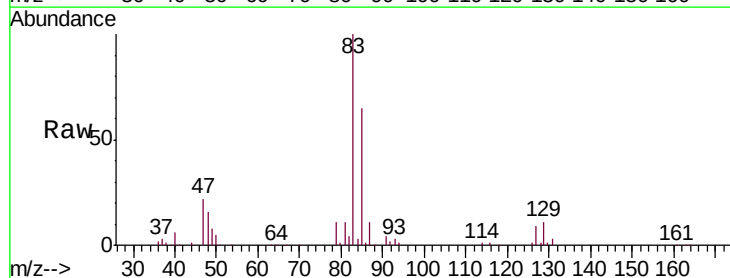
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

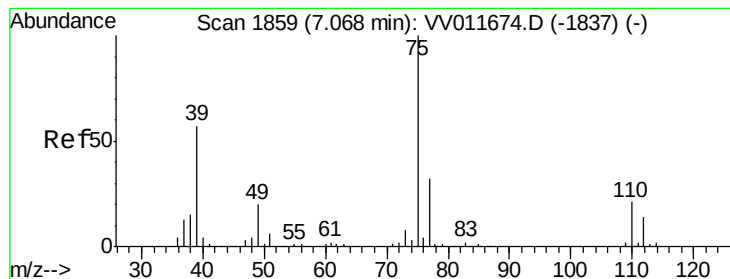
Tgt Ion: 63 Resp: 62390
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.4 5.2



#38
 Bromodichloromethane
 Concen: 4.818 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV011697.D
 Acq: 21 Jun 2019 21:07

Tgt Ion: 83 Resp: 70728
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.5 82.7
 127 8.8 6.2 9.2



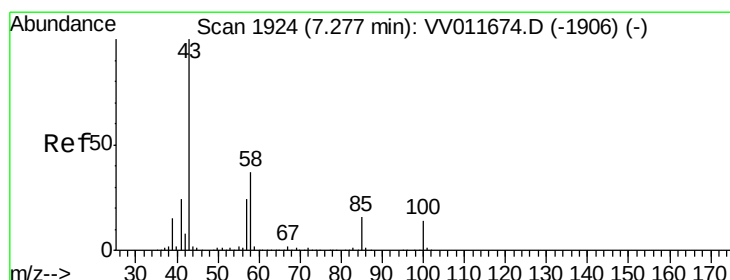
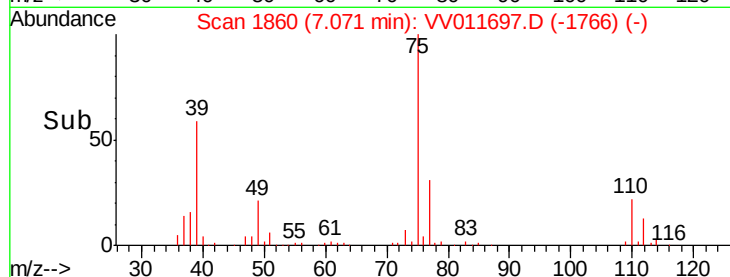
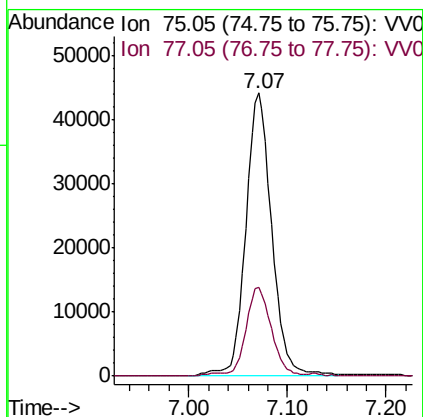
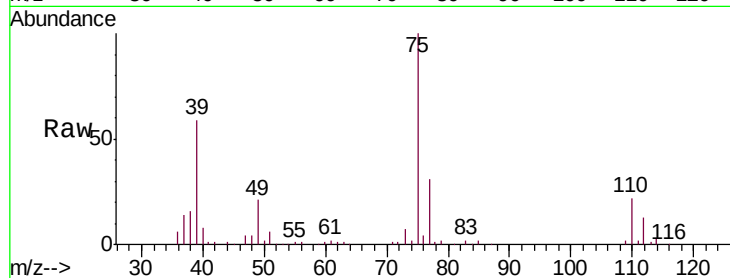


#39

cis-1,3-Dichloropropene
 Concen: 4.766 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011697.D
 Acq: 21 Jun 2019 21:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

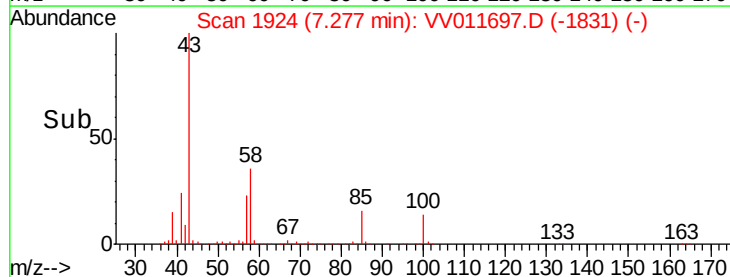
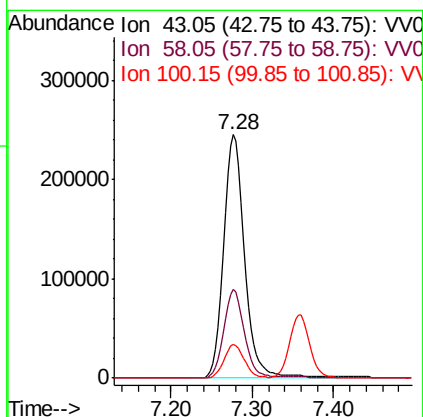
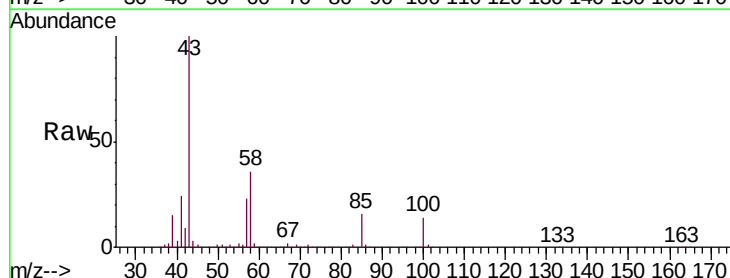
Tgt Ion: 75 Resp: 80502
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.4 41.6

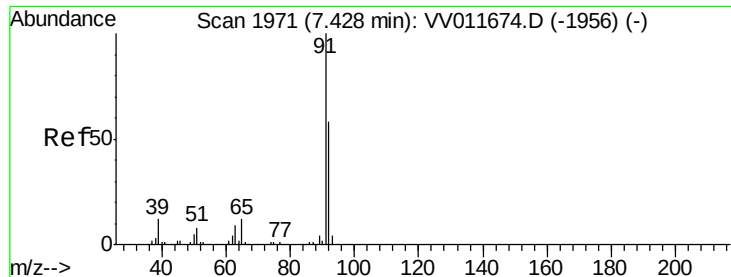


#40

4-Methyl-2-pentanone
 Concen: 55.567 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV011697.D
 Acq: 21 Jun 2019 21:07

Tgt Ion: 43 Resp: 448643
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.6 43.0
 100 13.5 10.7 16.1





#42

Toluene

Concen: 4.951 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

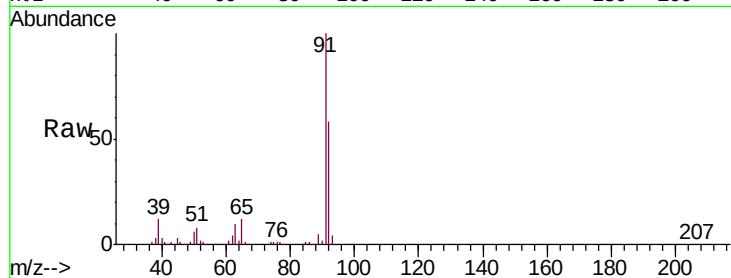
VSTD00545

Tgt Ion: 91 Resp: 262282

Ion Ratio Lower Upper

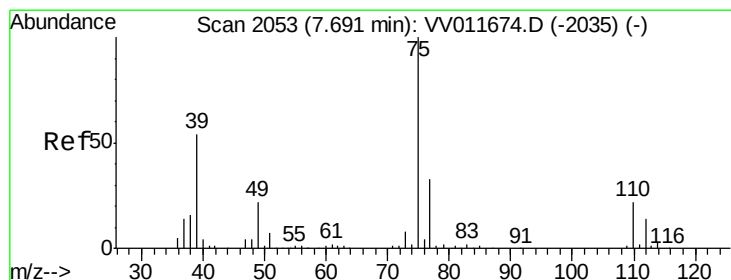
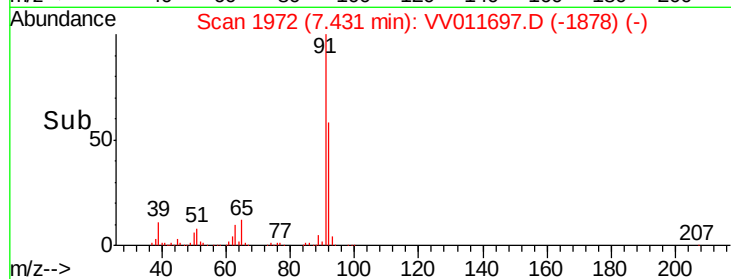
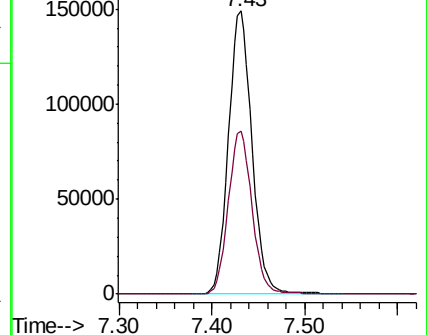
91 100

92 57.6 40.3 74.9



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: 5.099 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011697.D

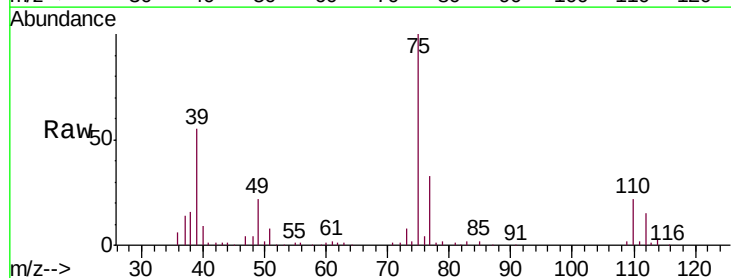
Acq: 21 Jun 2019 21:07

Tgt Ion: 75 Resp: 63786

Ion Ratio Lower Upper

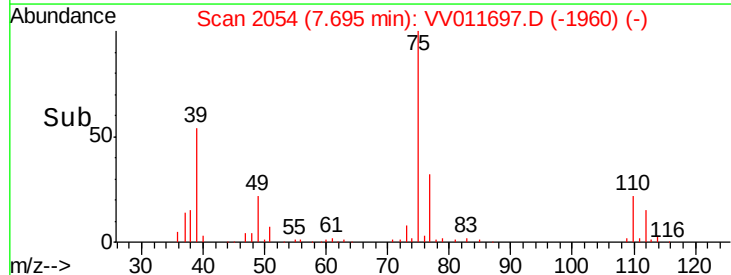
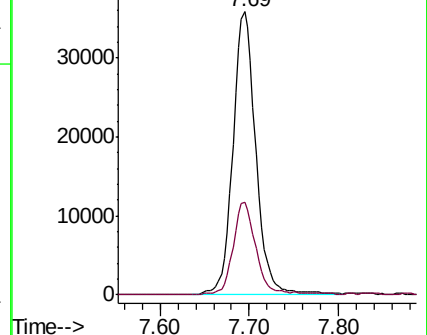
75 100

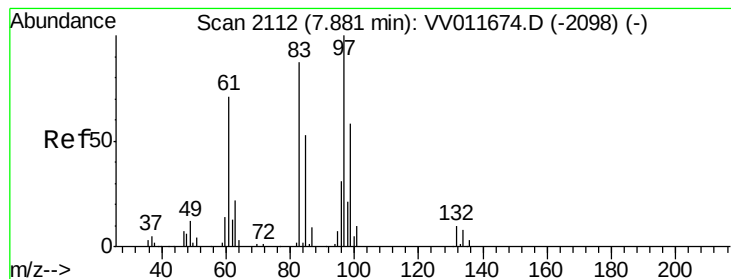
77 32.6 22.7 42.1



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: 5.133 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

Tgt Ion: 97 Resp: 41938

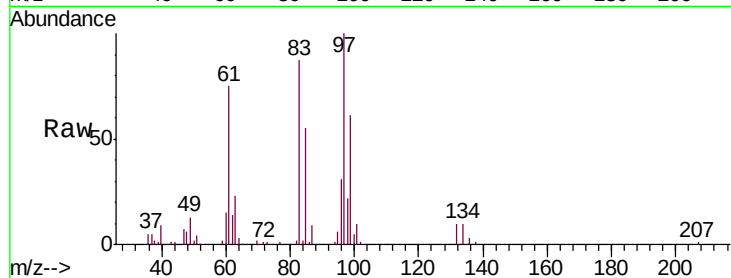
Ion Ratio Lower Upper

97 100

99 61.5 45.7 84.9

83 86.8 65.0 120.6

85 54.8 42.4 78.6

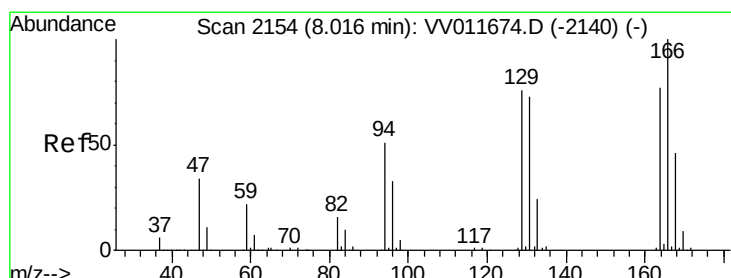
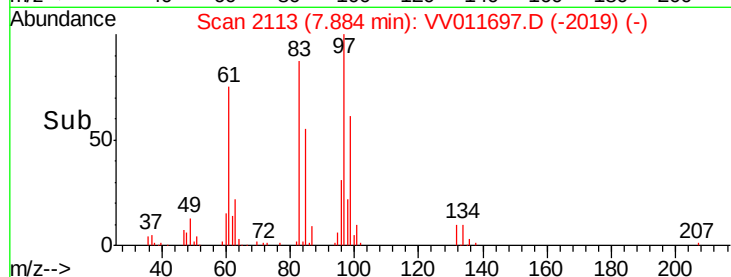
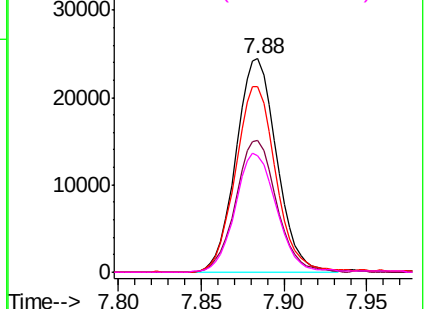


Abundance Ion 96.95 (96.65 to 97.65): VV011697.D (-2019) (-)

Ion 99.05 (98.75 to 99.75): VV011697.D (-2019) (-)

Ion 82.95 (82.65 to 83.65): VV011697.D (-2019) (-)

Ion 85.00 (84.70 to 85.70): VV011697.D (-2019) (-)



#47

Tetrachloroethene

Concen: 4.779 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Tgt Ion: 164 Resp: 47848

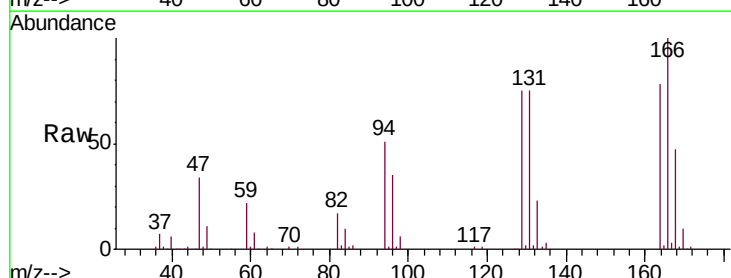
Ion Ratio Lower Upper

164 100

129 96.7 69.7 129.5

131 96.1 64.6 120.0

166 128.8 86.4 160.4

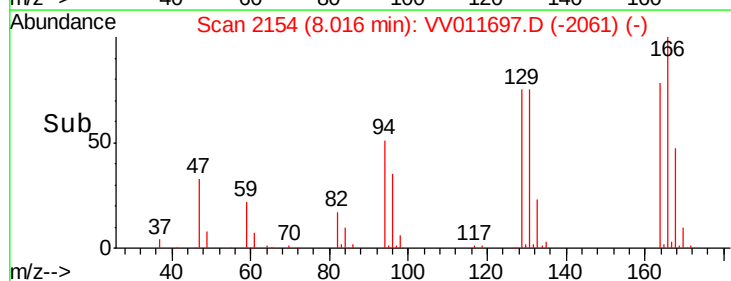
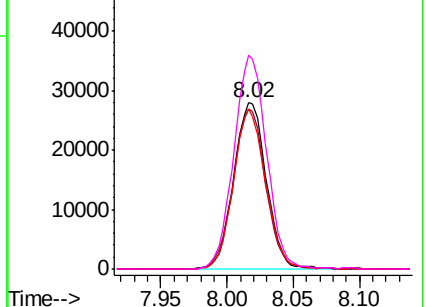


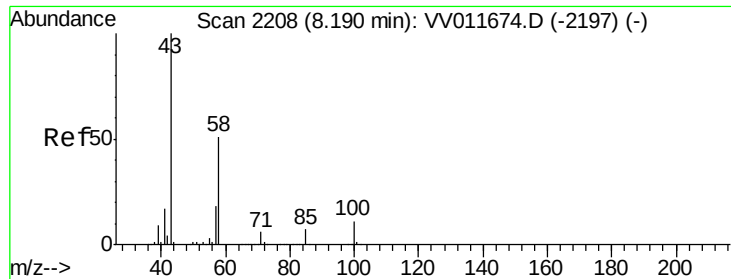
Abundance Ion 163.90 (163.60 to 164.60): VV011697.D (-2061) (-)

Ion 128.95 (128.65 to 129.65): VV011697.D (-2061) (-)

Ion 130.95 (130.65 to 131.65): VV011697.D (-2061) (-)

Ion 165.90 (165.60 to 166.60): VV011697.D (-2061) (-)

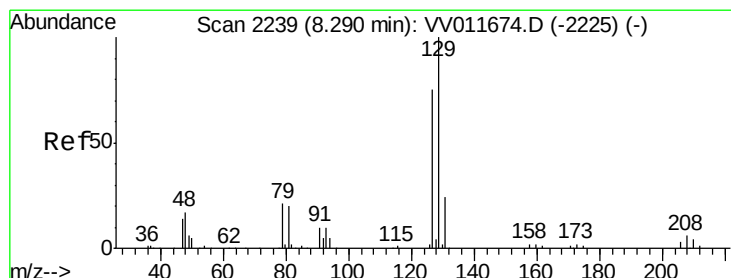
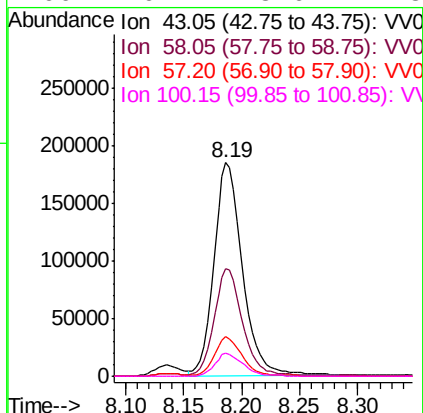
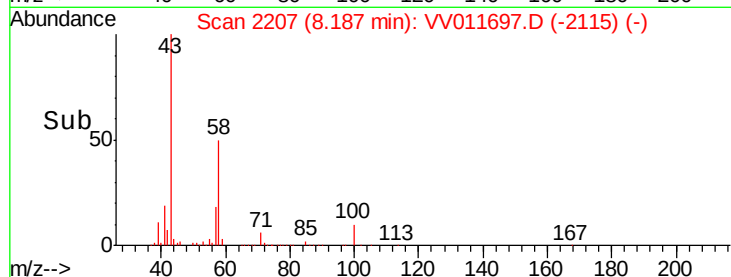
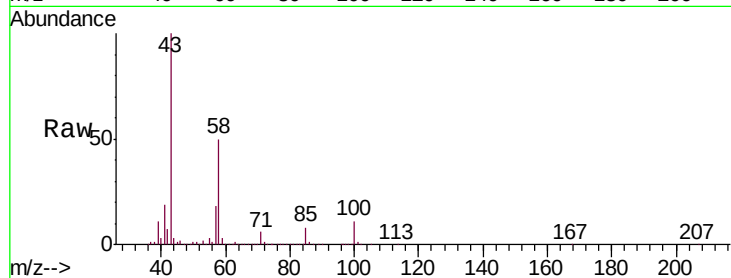




#48
2-Hexanone
Concen: 55.503 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV011697.D
Acq: 21 Jun 2019 21:07

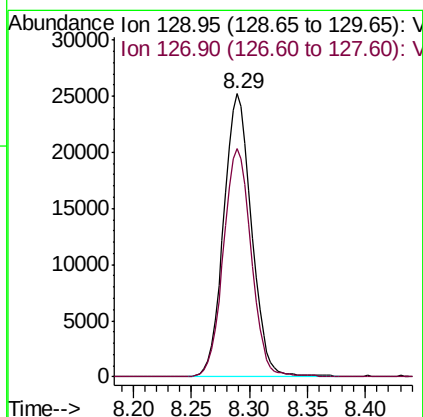
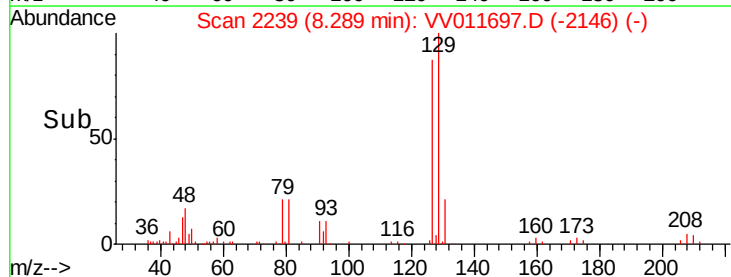
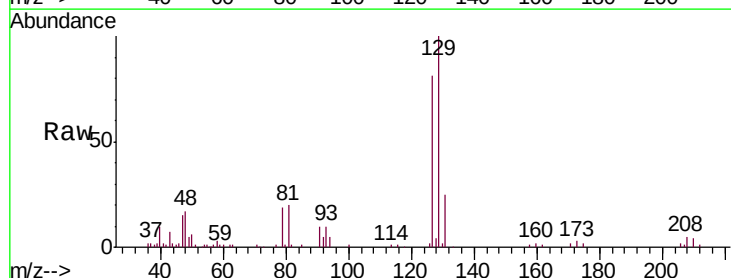
Instrument :
MSVOA_V
ClientSampled :
VSTD00545

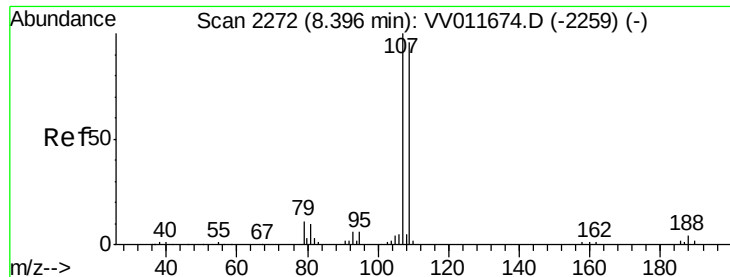
Tgt Ion: 43 Resp: 315083
Ion Ratio Lower Upper
43 100
58 49.4 40.1 60.1
57 18.5 14.4 21.6
100 10.7 8.6 12.8



#49
Dibromochloromethane
Concen: 5.093 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011697.D
Acq: 21 Jun 2019 21:07

Tgt Ion: 129 Resp: 41819
Ion Ratio Lower Upper
129 100
127 80.5 53.5 99.5

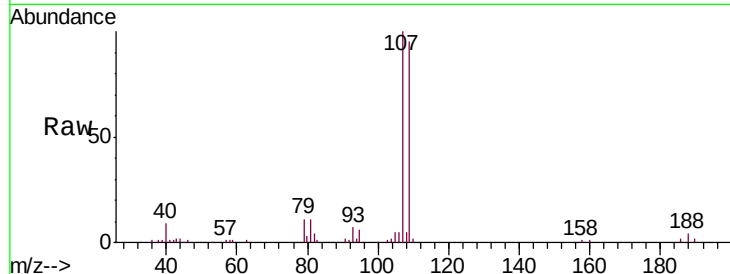




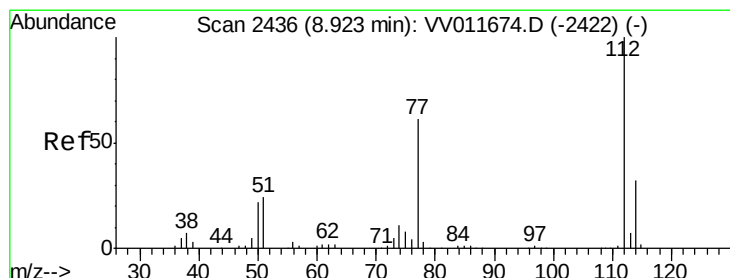
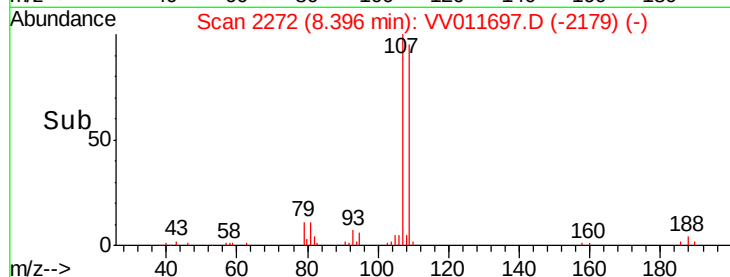
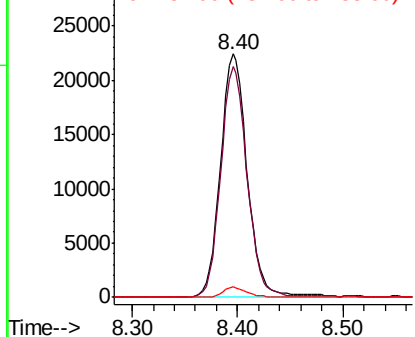
#50
1,2-Dibromoethane
Concen: 5.299 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV011697.D
Acq: 21 Jun 2019 21:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Tgt Ion:107 Resp: 39533
Ion Ratio Lower Upper
107 100
109 94.8 66.7 123.9
188 4.1 2.6 3.8#

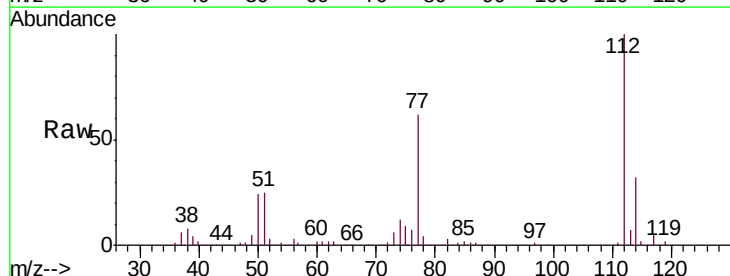


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

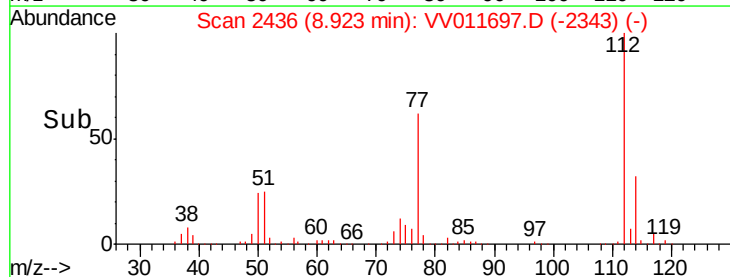
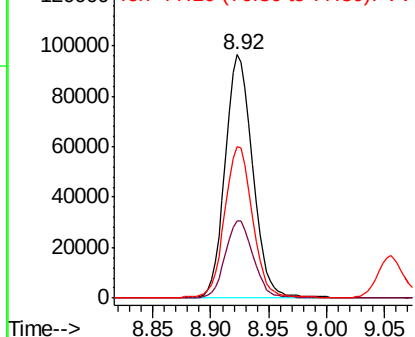


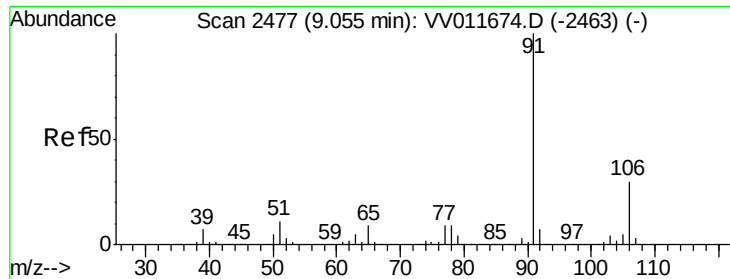
#51
Chlorobenzene
Concen: 4.818 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011697.D
Acq: 21 Jun 2019 21:07

Tgt Ion:112 Resp: 158248
Ion Ratio Lower Upper
112 100
114 31.8 23.0 42.8
77 62.3 50.0 75.0



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

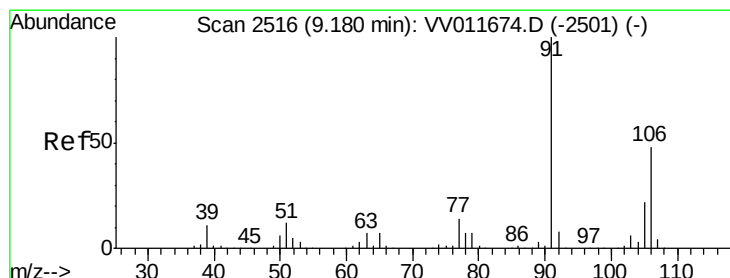
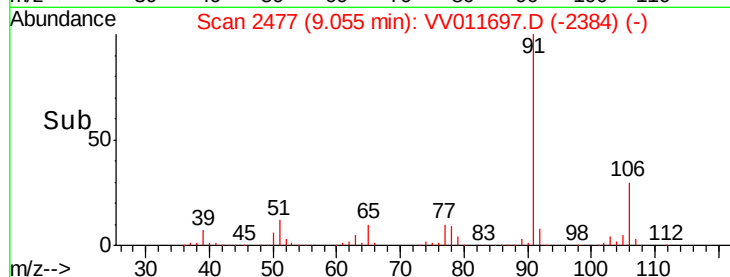
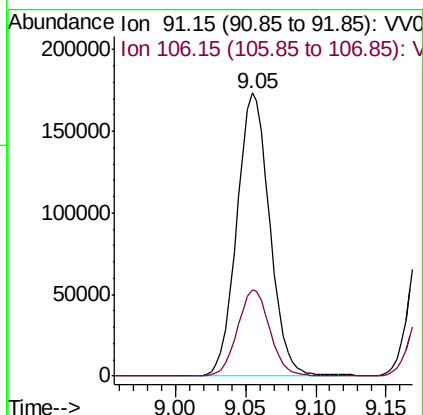
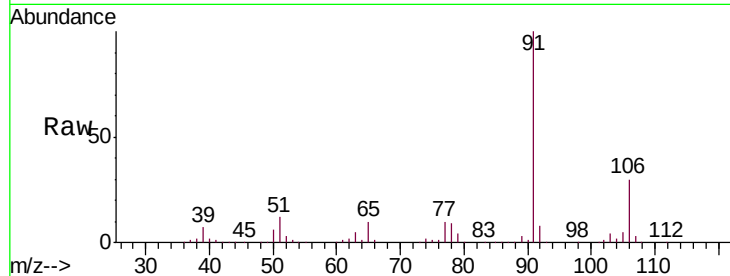




#52
Ethylbenzene
Concen: 4.836 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV011697.D
Acq: 21 Jun 2019 21:07

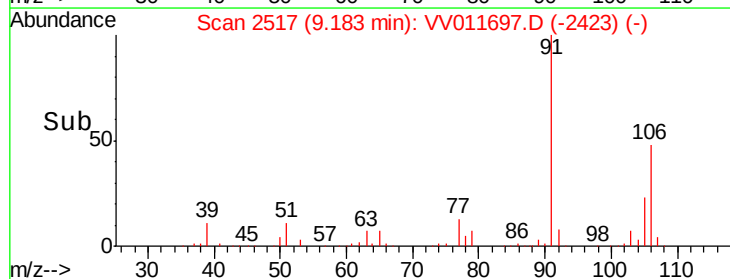
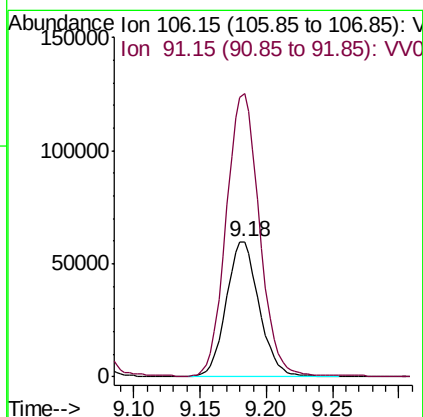
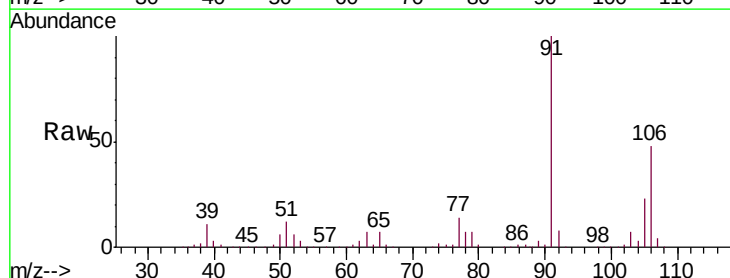
Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

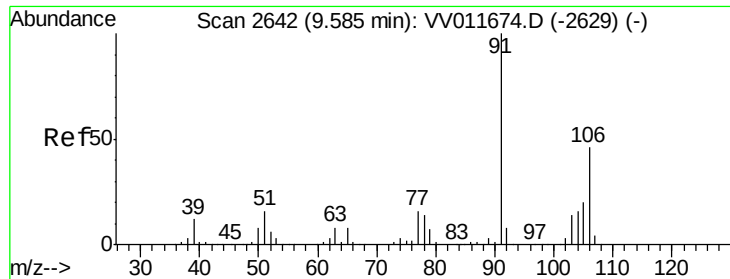
Tgt Ion: 91 Resp: 282766
Ion Ratio Lower Upper
91 100
106 30.4 20.7 38.5



#53
m,p-xylene
Concen: 4.811 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV011697.D
Acq: 21 Jun 2019 21:07

Tgt Ion: 106 Resp: 103302
Ion Ratio Lower Upper
106 100
91 209.8 144.9 269.1

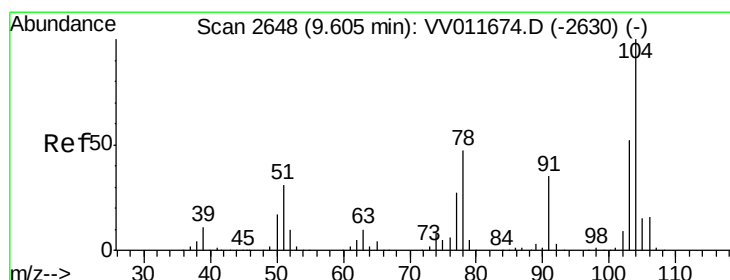
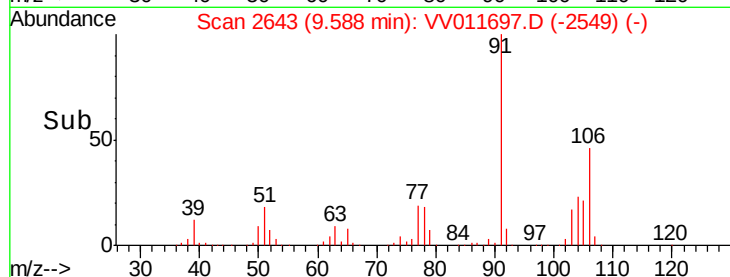
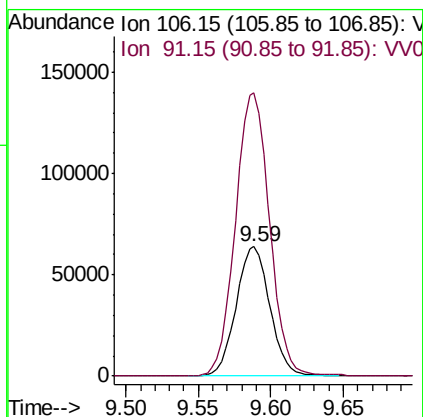
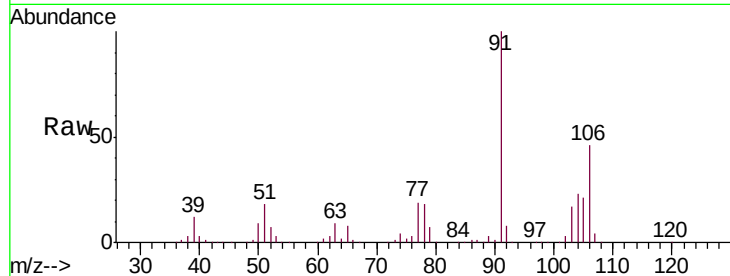




#54
o-xylene
Concen: 4.931 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV011697.D
Acq: 21 Jun 2019 21:07

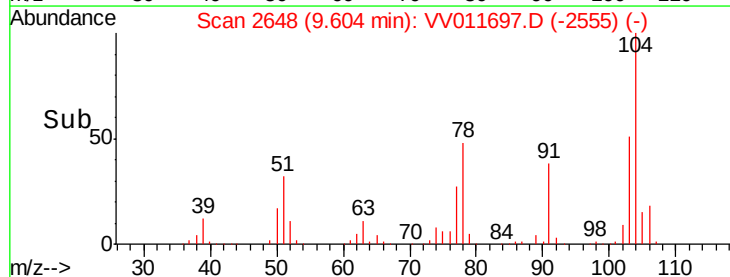
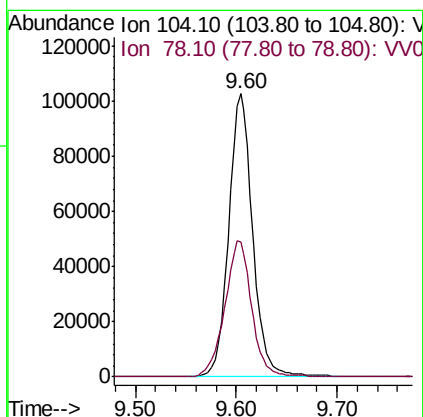
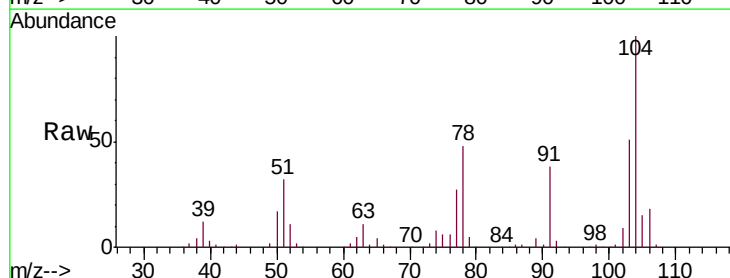
Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

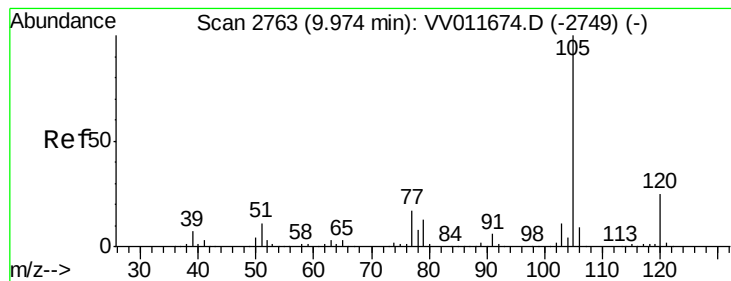
Tgt Ion:106 Resp: 103502
Ion Ratio Lower Upper
106 100
91 219.0 155.2 288.2



#55
Styrene
Concen: 5.088 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV011697.D
Acq: 21 Jun 2019 21:07

Tgt Ion:104 Resp: 170218
Ion Ratio Lower Upper
104 100
78 47.9 34.1 63.3





#56

Isopropylbenzene

Concen: 4.888 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

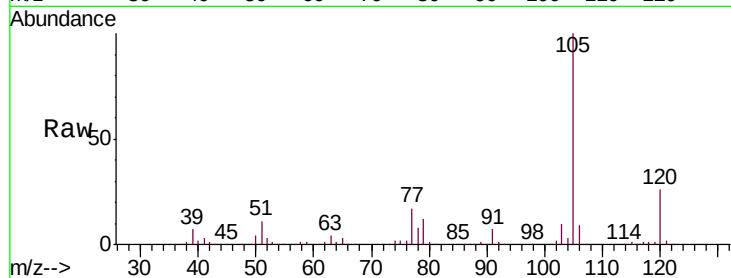
Tgt Ion: 105 Resp: 274933

Ion Ratio Lower Upper

105 100

120 26.0 20.6 30.8

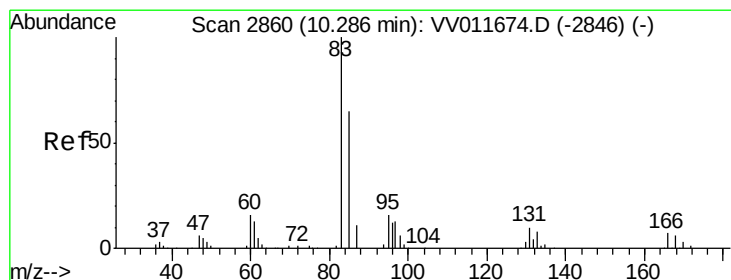
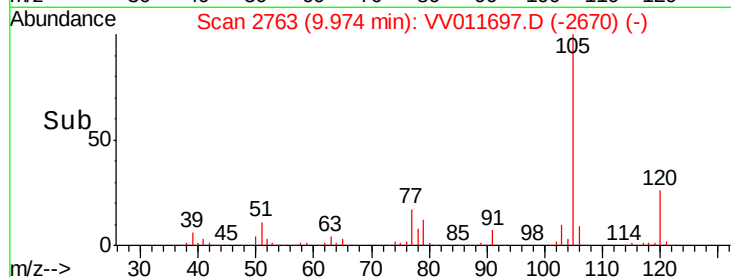
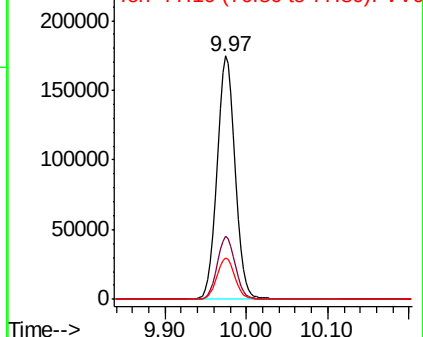
77 17.0 13.8 20.6



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: 5.250 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

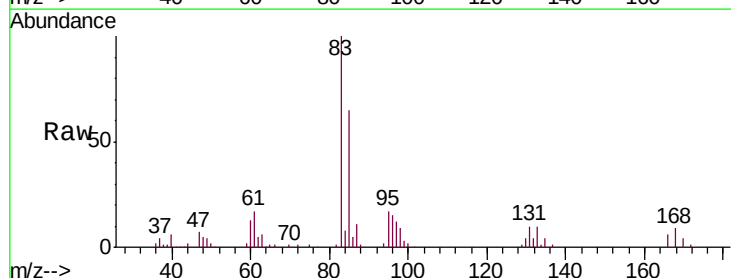
Tgt Ion: 83 Resp: 51000

Ion Ratio Lower Upper

83 100

85 65.3 45.9 85.3

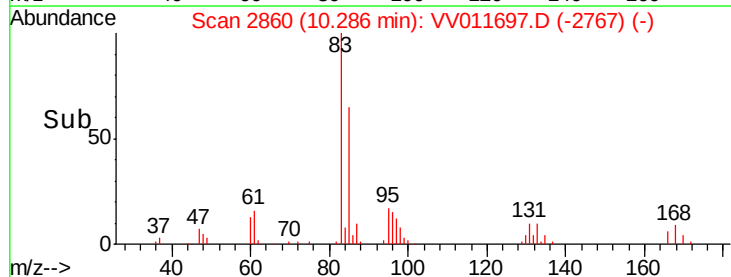
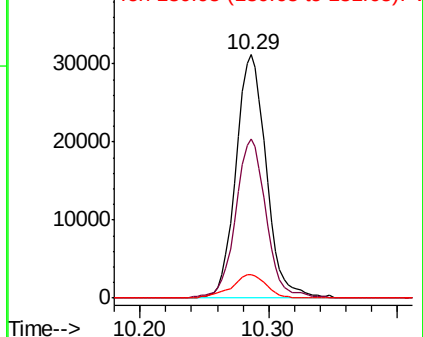
131 9.9 7.8 11.6

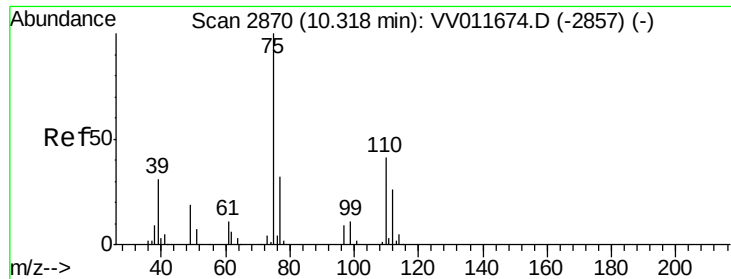


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.097 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

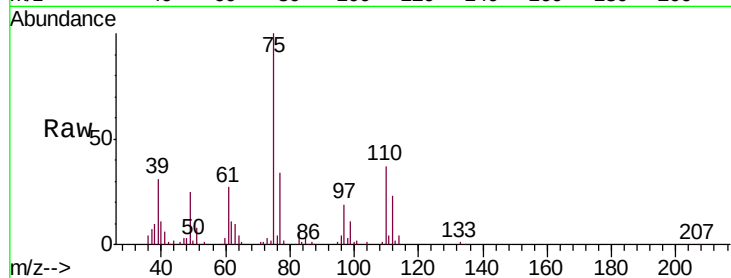
VSTD00545

Tgt Ion: 75 Resp: 38124

Ion Ratio Lower Upper

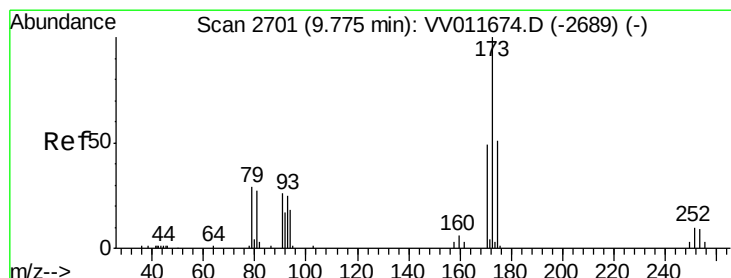
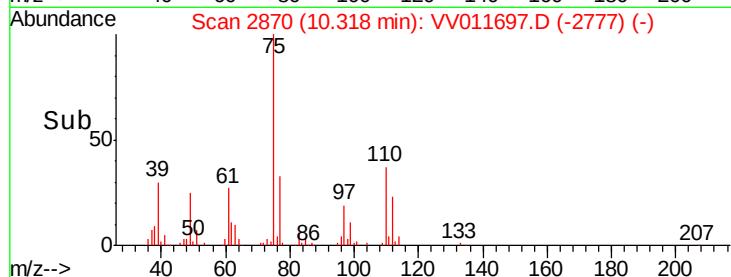
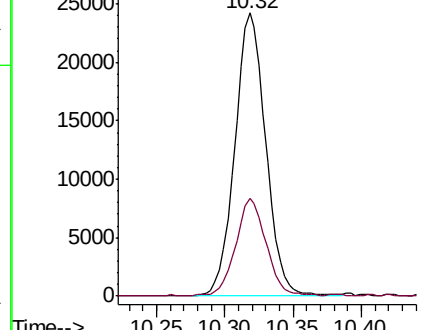
75 100

77 34.1 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VV011674.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV011674.D (-2857) (-)



#61

Bromoform

Concen: 4.969 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

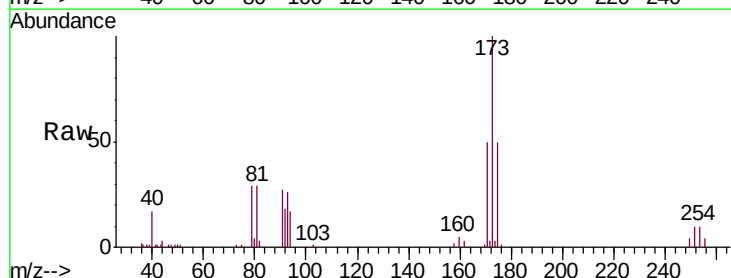
Tgt Ion: 173 Resp: 19943

Ion Ratio Lower Upper

173 100

175 48.9 38.3 57.5

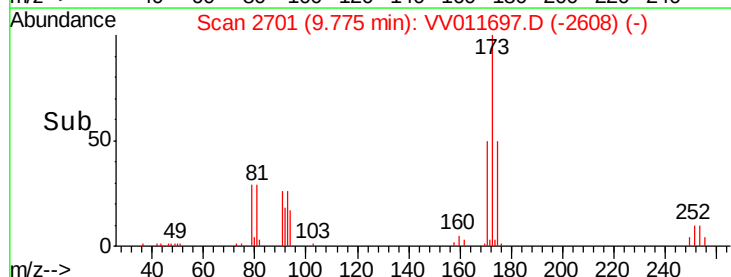
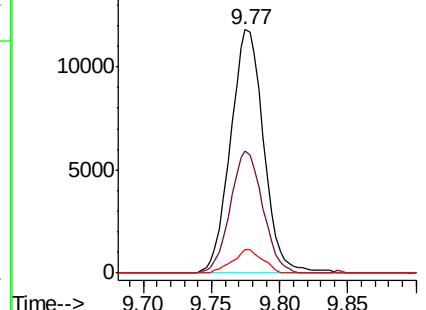
254 8.7 7.4 11.0

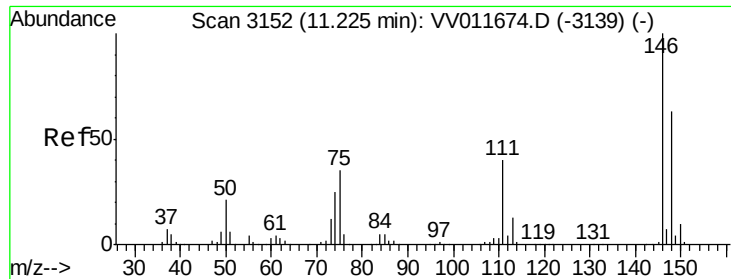


Abundance Ion 172.90 (172.60 to 173.60): VV011674.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV011674.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV011674.D (-2689) (-)





#62

1,3-Dichlorobenzene

Concen: 4.680 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

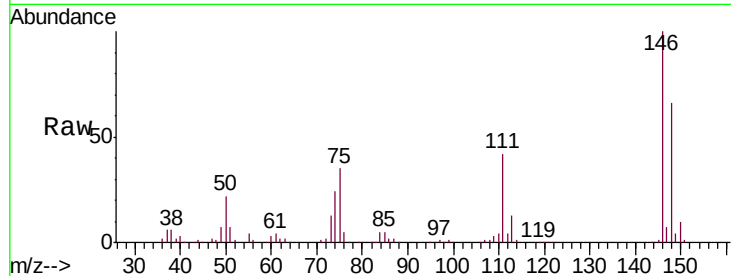
Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

Tgt Ion:	146	Resp:	112817
Ion	Ratio	Lower	Upper
146	100		
111	42.3	28.4	52.8
148	65.9	42.8	79.6

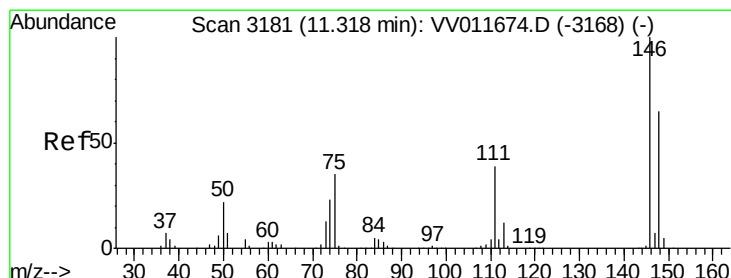
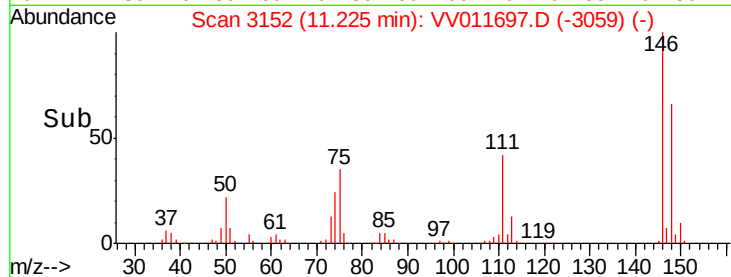
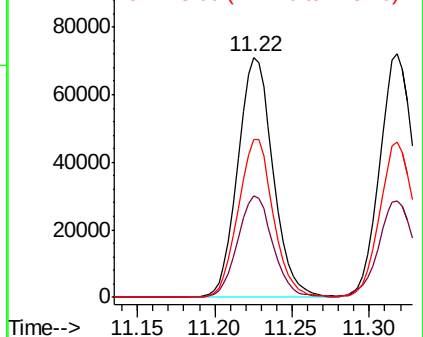


Abundance

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: 4.585 ug/L

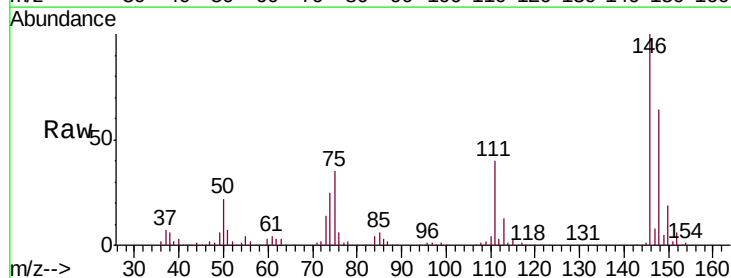
RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Tgt Ion:	146	Resp:	114188
Ion	Ratio	Lower	Upper
146	100		
111	39.7	27.7	51.5
148	64.0	45.1	83.9

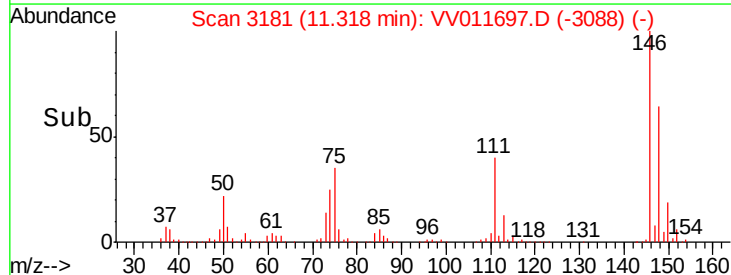
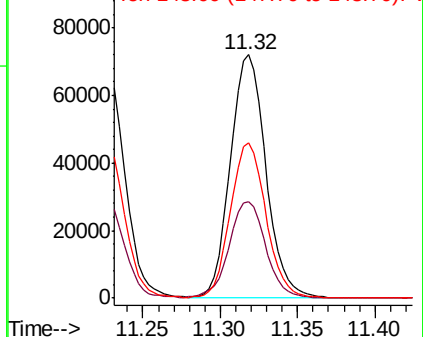


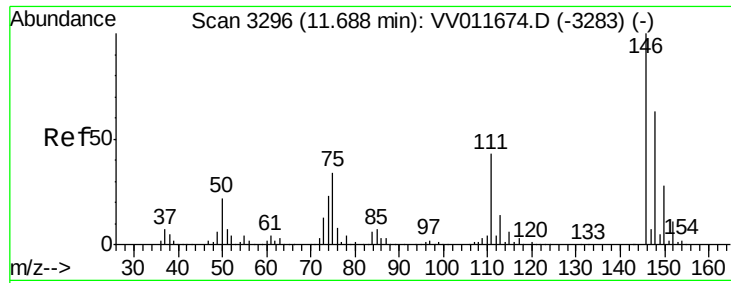
Abundance

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: 4.866 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

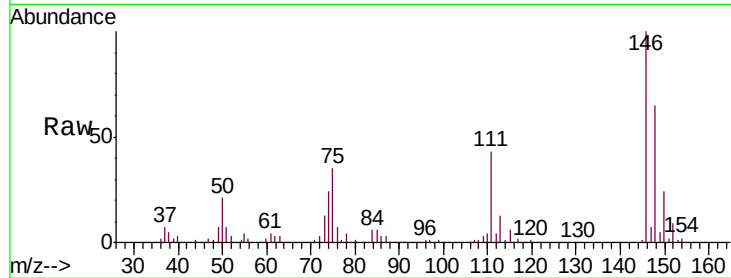
Tgt Ion:146 Resp: 111735

Ion Ratio Lower Upper

146 100

111 42.6 34.5 51.7

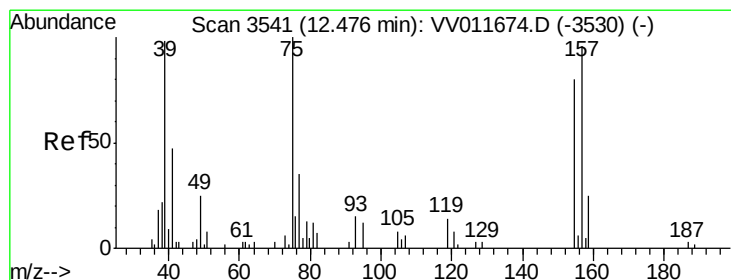
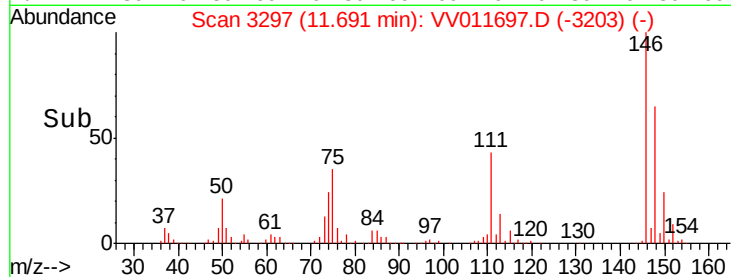
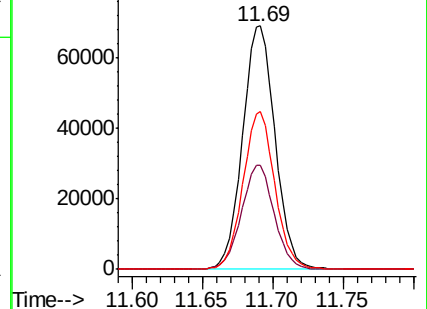
148 64.8 49.8 74.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.115 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

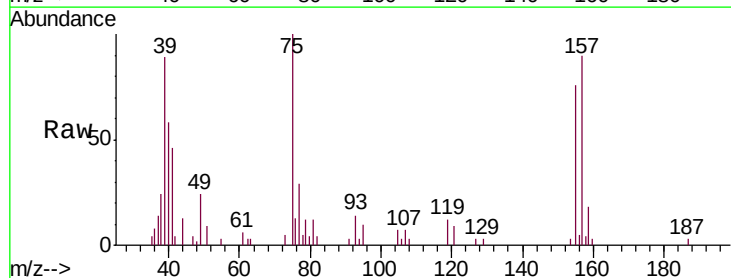
Tgt Ion: 75 Resp: 6727

Ion Ratio Lower Upper

75 100

155 75.6 59.4 89.0

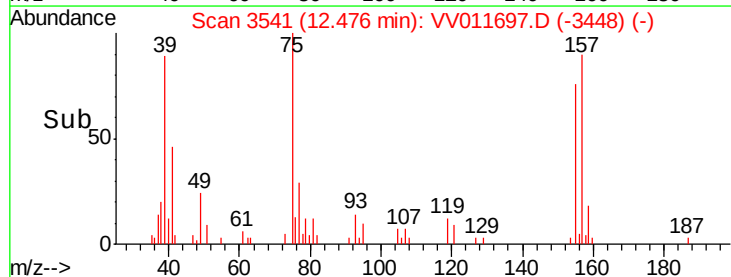
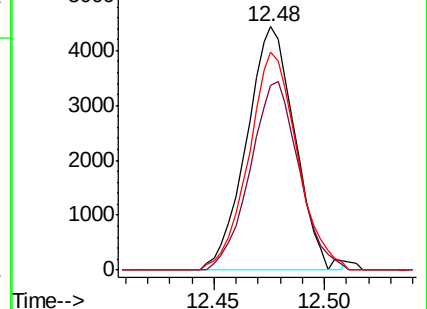
157 89.5 77.5 116.3

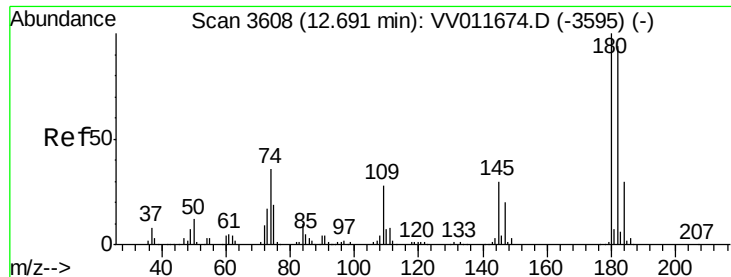


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

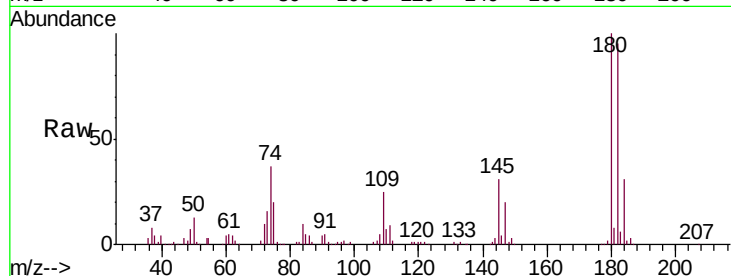




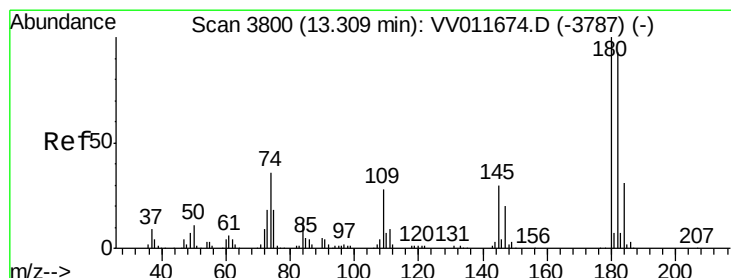
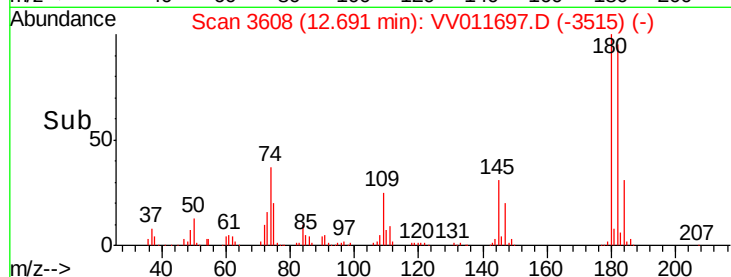
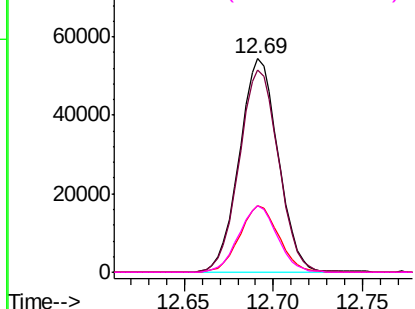
#67
 1,3,5-Trichlorobenzene
 Concen: 4.629 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011697.D
 Acq: 21 Jun 2019 21:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tgt Ion:180 Resp: 82977
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.3 115.9
 184 31.1 24.9 37.3
 145 30.7 25.2 37.8

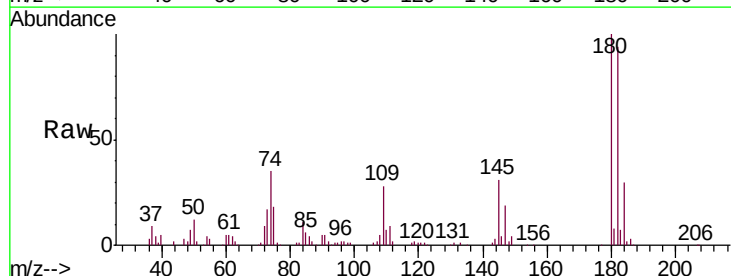


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

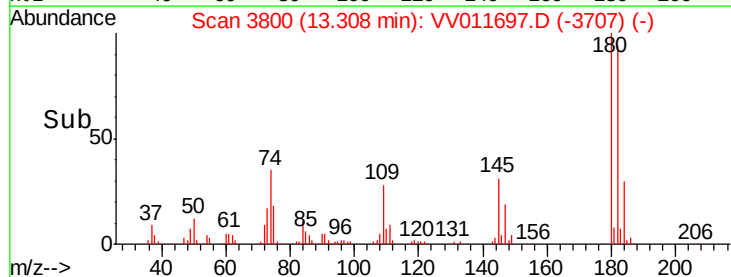
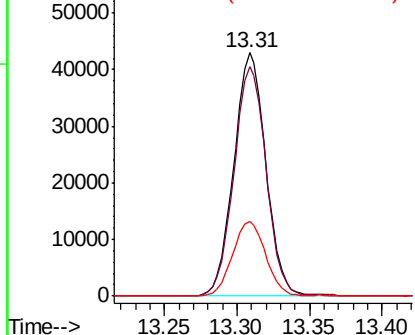


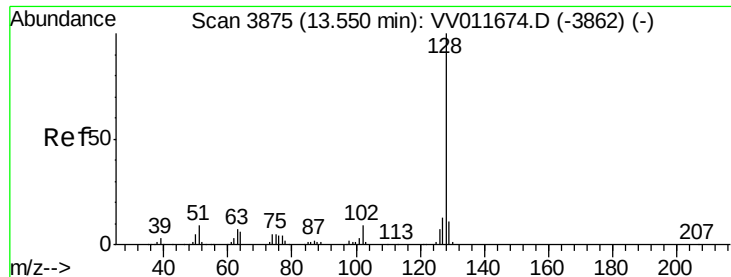
#68
 1,2,4-trichlorobenzene
 Concen: 4.743 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011697.D
 Acq: 21 Jun 2019 21:07

Tgt Ion:180 Resp: 65891
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.6 114.8
 145 31.6 25.3 37.9



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: 4.974 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

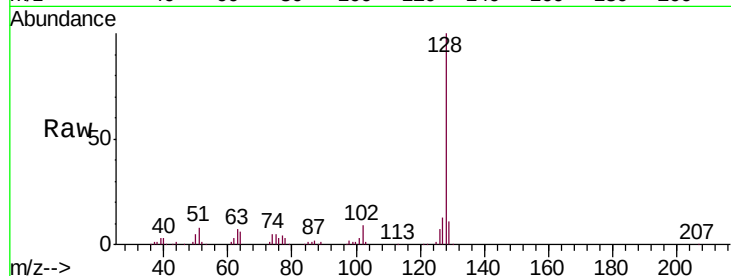
Tgt Ion:128 Resp: 112991

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

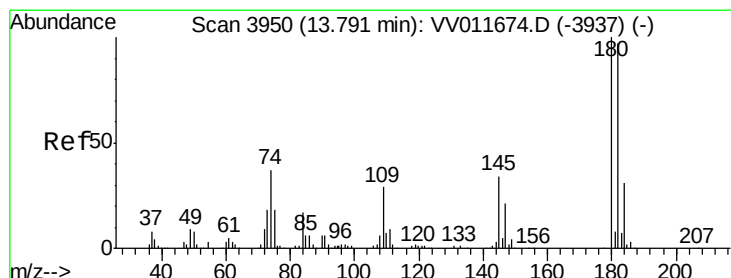
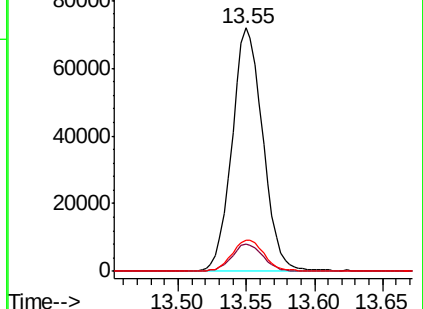
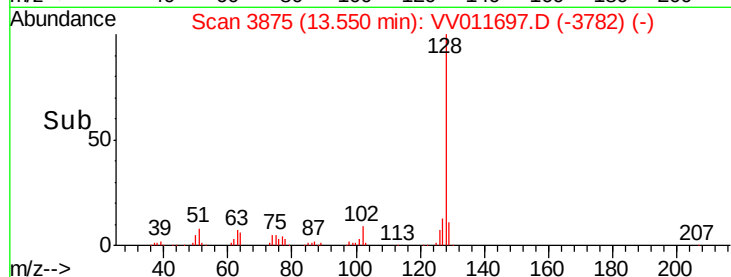
127 13.6 10.5 15.7



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: 4.914 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011697.D

Acq: 21 Jun 2019 21:07

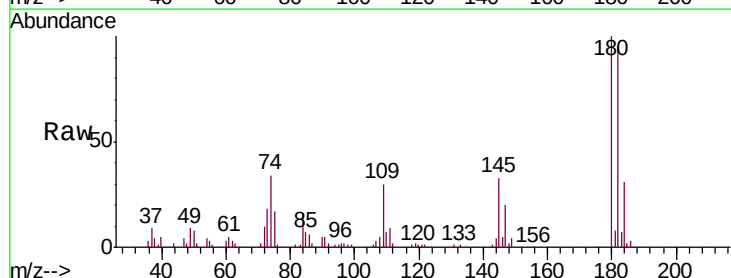
Tgt Ion:180 Resp: 63464

Ion Ratio Lower Upper

180 100

182 95.1 75.0 112.4

145 33.3 26.2 39.2



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

