

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010419\
 Data File : VV009160.D
 Acq On : 04 Jan 2019 13:29
 Operator : SY/MD
 Sample : VSTD2.567
 Misc : 5.00 G/10ML/MSVOA_V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

Quant Time: Jan 05 04:24:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 05 04:20:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	162302	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	146017	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73376	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3534	3.18	ug/L	0.00
7) Chloroethane-d5	1.58	69	2985	2.77	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	11574	3.12	ug/L	0.00
20) 2-Butanone-d5	3.97	46	1318	1.71	ug/L	0.00
24) Chloroform-d	4.41	84	10090	2.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	5302	2.90	ug/L	0.00
29) Benzene-d6	5.10	84	19127	2.94	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	5264	2.82	ug/L	0.00
37) Toluene-d8	7.36	98	18178	2.96	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	2533	2.86	ug/L	0.00
39) 2-Hexanone-d5	8.15	63	2526	5.74	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	6052	2.95	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	8072	3.25	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	7087	2.716 ug/L	93
3) Chloromethane	1.25	50	5424	3.070 ug/L	94
5) Vinyl chloride	1.32	62	5691	3.008 ug/L	96
6) Bromomethane	1.54	94	3973	2.981 ug/L	95
8) Chloroethane	1.60	64	3051	2.617 ug/L	97
9) Trichlorofluoromethane	1.76	101	9662	2.786 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	6517	2.821 ug/L	95
12) 1,1-Dichloroethene	2.14	96	5546	2.768 ug/L #	79
13) Acetone	2.22	43	9016	8.146 ug/L	100
14) Carbon disulfide	2.32	76	16281	2.844 ug/L	98
15) Methyl Acetate	2.48	43	4131	3.016 ug/L	93
16) Methylene chloride	2.53	84	8224	3.392 ug/L	94
17) Methyl tert-butyl Ether	2.81	73	12822	2.613 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	5692	2.681 ug/L	96
19) 1,1-Dichloroethane	3.23	63	9612	2.726 ug/L	97
21) 2-Butanone	4.06	43	3794	3.727 ug/L #	92
22) cis-1,2-Dichloroethene	3.96	96	5842	2.574 ug/L	93
23) Bromochloromethane	4.31	128	2808	2.630 ug/L	93
25) Chloroform	4.43	83	9923	2.643 ug/L	97
27) 1,2-Dichloroethane	5.18	62	6629	2.629 ug/L	99
30) Cyclohexane	4.73	56	9140	2.824 ug/L #	95
31) 1,1,1-Trichloroethane	4.66	97	9570	2.696 ug/L #	86
32) Carbon tetrachloride	4.87	117	8492	2.613 ug/L	100
34) Benzene	5.15	78	21488	2.737 ug/L	100
35) Trichloroethene	5.96	95	6310	2.790 ug/L	97
36) Methylcyclohexane	6.17	83	10300	2.726 ug/L	99
40) 1,2-Dichloropropane	6.23	63	5018	2.652 ug/L #	91
41) Bromodichloromethane	6.56	83	6449	2.487 ug/L #	95
42) cis-1,3-Dichloropropene	7.08	75	7531	2.512 ug/L	99
43) 4-Methyl-2-pentanone	7.29	43	11381	6.311 ug/L	95

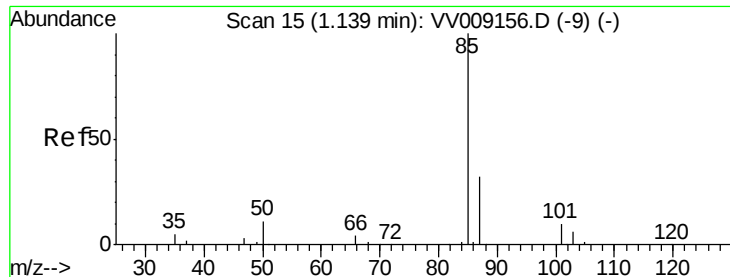
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010419\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	22667	2.678	ug/L	97
45) trans-1,3-Dichloropropene	7.70	75	6641	2.530	ug/L	93
46) 1,1,2-Trichloroethane	7.88	97	4193	2.507	ug/L	91
47) Tetrachloroethene	8.02	164	5416	2.764	ug/L	96
49) 2-Hexanone	8.20	43	8275	6.235	ug/L	96
50) Dibromochloromethane	8.29	129	5079	2.472	ug/L	97
51) 1,2-Dibromoethane	8.40	107	4680	2.677	ug/L	93
52) Chlorobenzene	8.93	112	16215	2.792	ug/L	98
53) Ethylbenzene	9.06	91	25352	2.649	ug/L	98
54) m,p-Xylene	9.18	106	10042	2.693	ug/L	95
55) o-xylene	9.59	106	8976	2.603	ug/L	96
56) Styrene	9.61	104	14632	2.516	ug/L	95
57) Isopropylbenzene	9.98	105	24405	2.551	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	6028	2.691	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	4928	2.752	ug/L	94
62) Bromoform	9.78	173	3201	2.470	ug/L #	97
63) 1,3-Dichlorobenzene	11.23	146	12905	2.791	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	14281	2.963	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	12394	2.814	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	1277	2.793	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	10912	2.927	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	8464	2.789	ug/L	97
69) Naphthalene	13.56	128	16976	2.746	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	7953	2.855	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.716 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

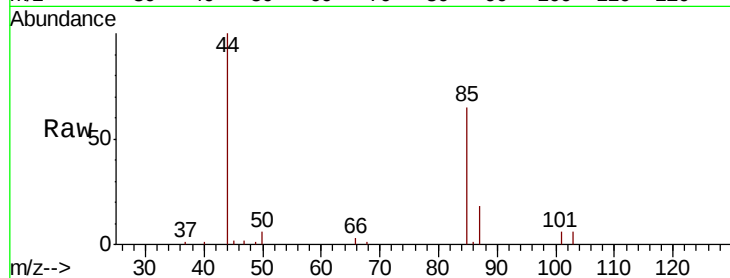
VSTD2.567

Tgt Ion: 85 Resp: 7087

Ion Ratio Lower Upper

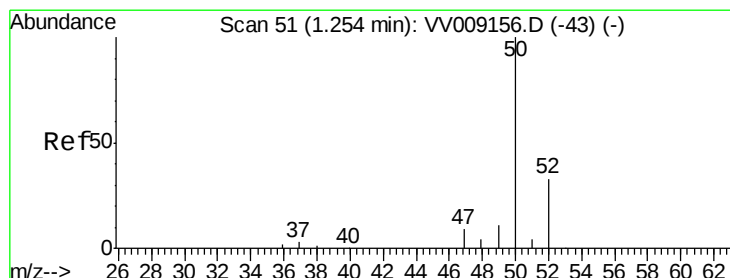
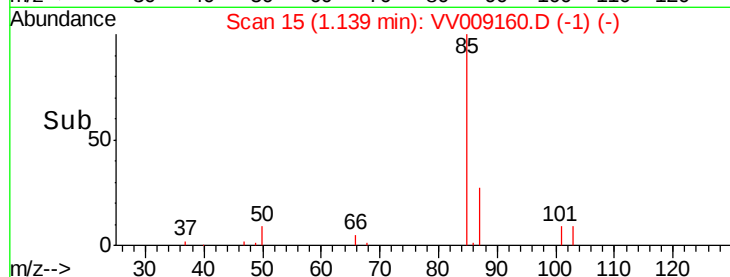
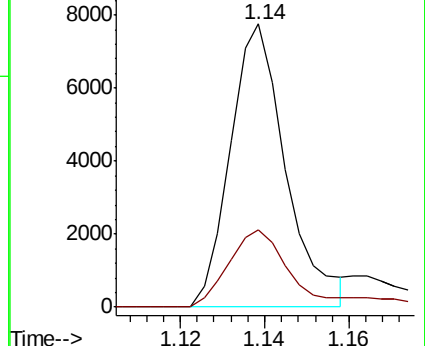
85 100

87 28.2 22.5 41.7



Abundance Ion 85.00 (84.70 to 85.70): VV009156.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009156.D (-9) (-)



#3

Chloromethane

Concen: 3.070 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009160.D

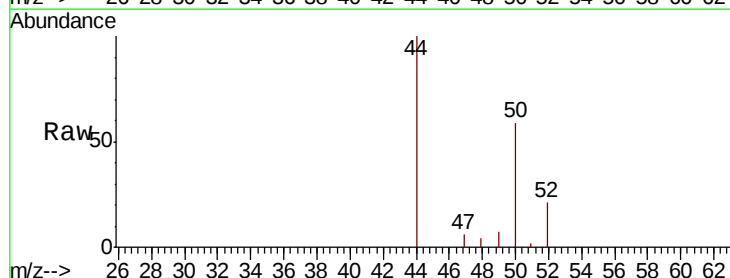
Acq: 04 Jan 2019 13:29

Tgt Ion: 50 Resp: 5424

Ion Ratio Lower Upper

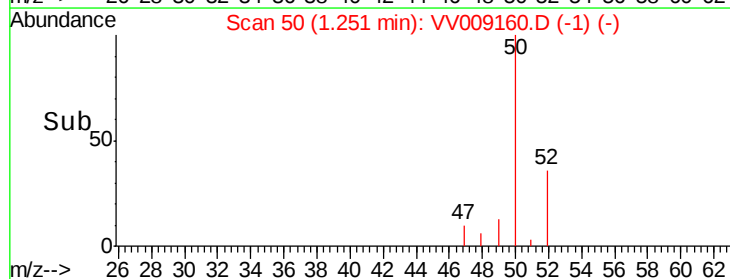
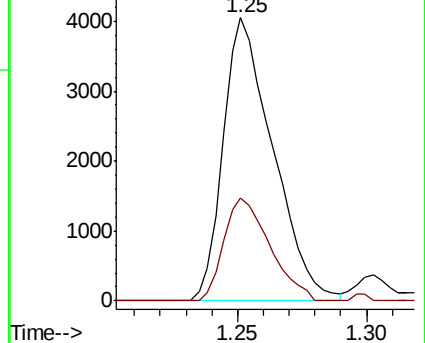
50 100

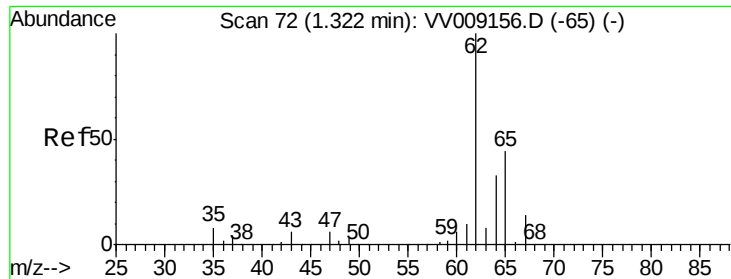
52 36.3 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV009156.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009156.D (-43) (-)





#5

Vinyl chloride

Concen: 3.008 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

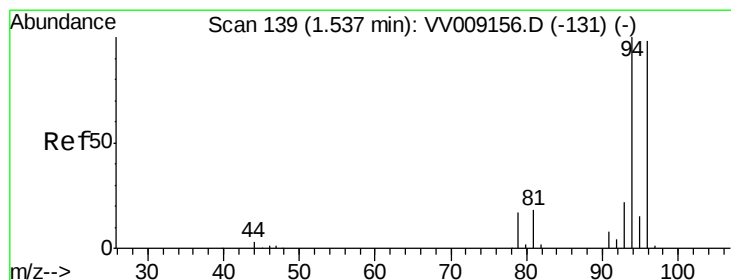
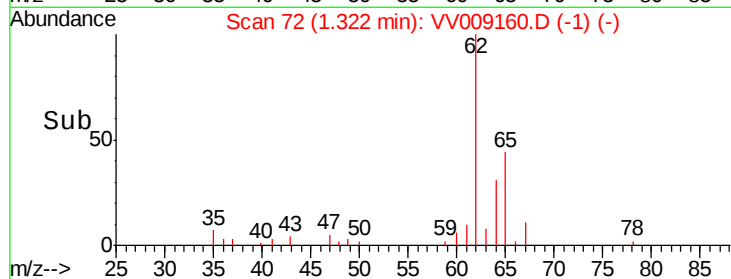
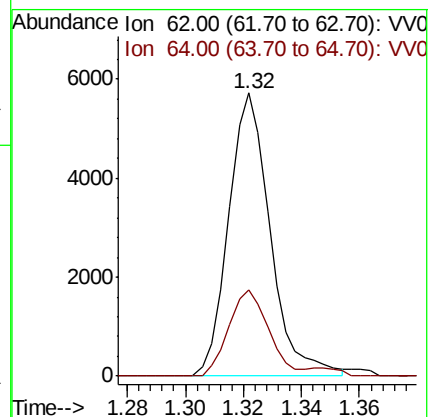
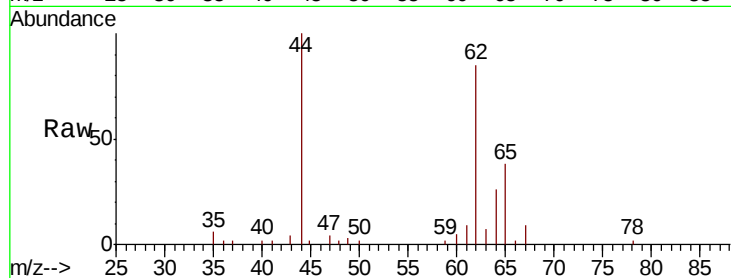
VSTD2.567

Tgt Ion: 62 Resp: 5691

Ion Ratio Lower Upper

62 100

64 30.6 23.0 42.6



#6

Bromomethane

Concen: 2.981 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV009160.D

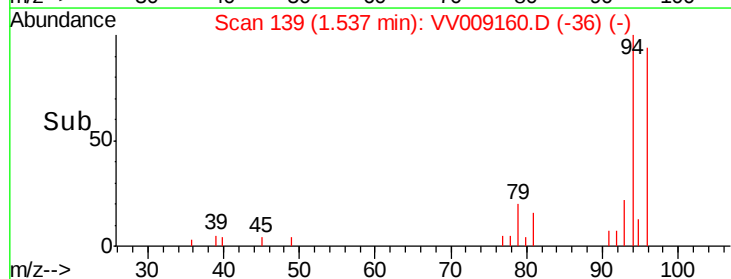
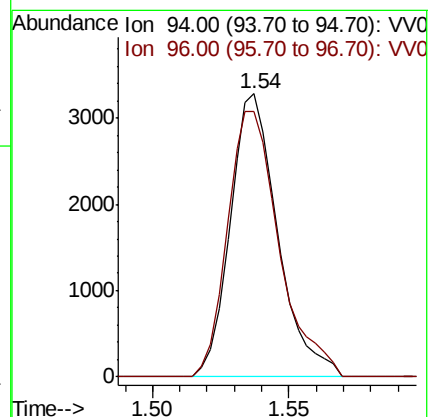
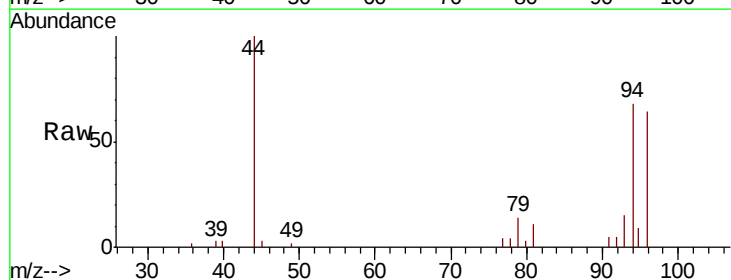
Acq: 04 Jan 2019 13:29

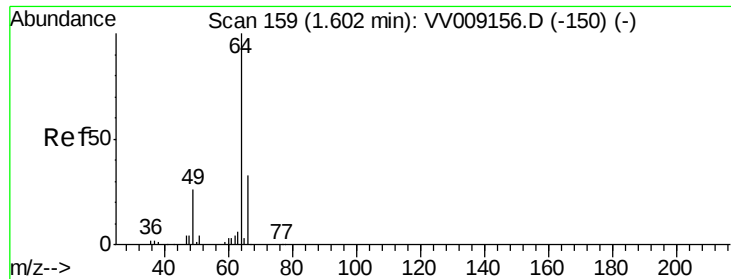
Tgt Ion: 94 Resp: 3973

Ion Ratio Lower Upper

94 100

96 101.9 9.7 185.1





#8

Chloroethane

Concen: 2.617 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

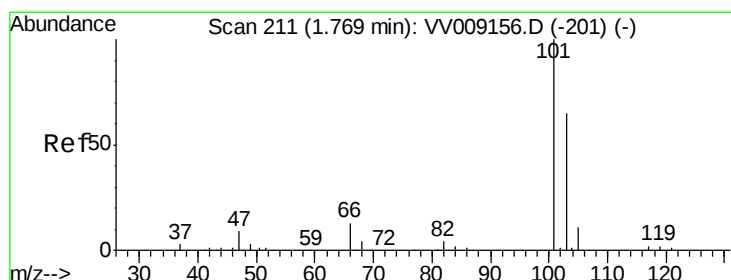
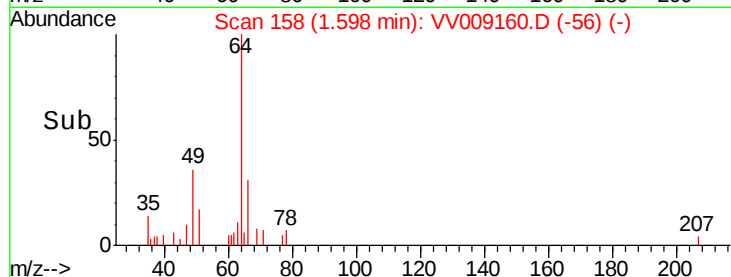
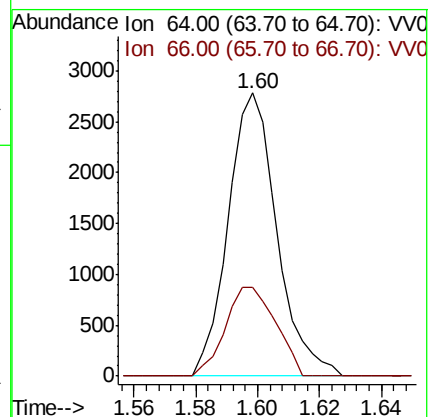
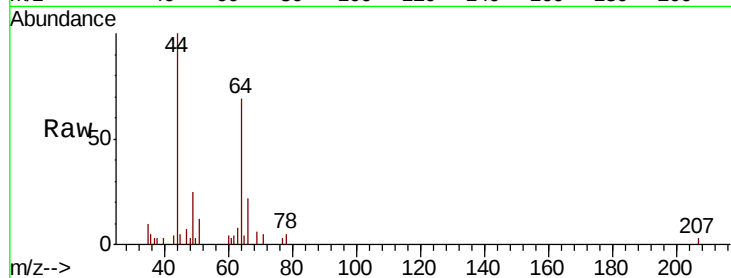
VSTD2.567

Tgt Ion: 64 Resp: 3051

Ion Ratio Lower Upper

64 100

66 31.5 23.2 43.0



#9

Trichlorofluoromethane

Concen: 2.786 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.01 min

Lab File: VV009160.D

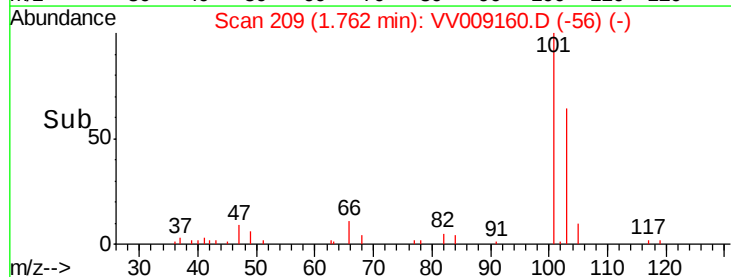
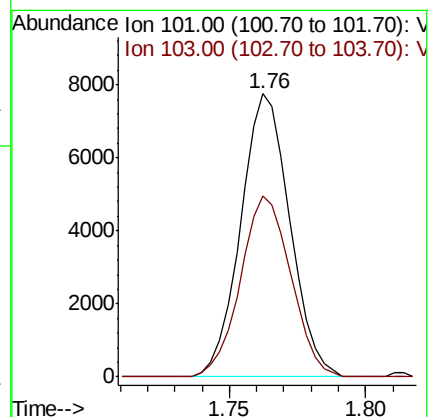
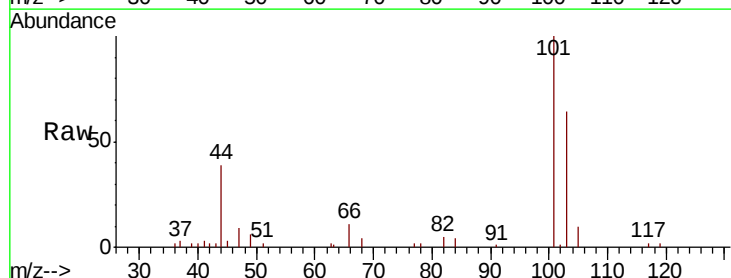
Acq: 04 Jan 2019 13:29

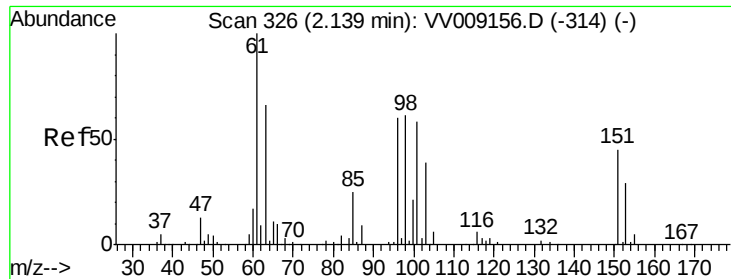
Tgt Ion: 101 Resp: 9662

Ion Ratio Lower Upper

101 100

103 65.4 46.0 85.4





#11

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

Concen: 2.821 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

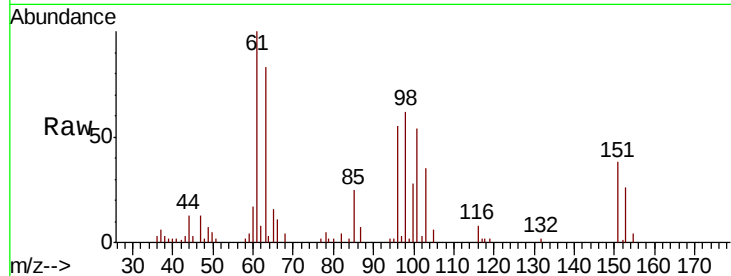
Tgt Ion:101 Resp: 6517

Ion Ratio Lower Upper

101 100

85 43.6 34.6 52.0

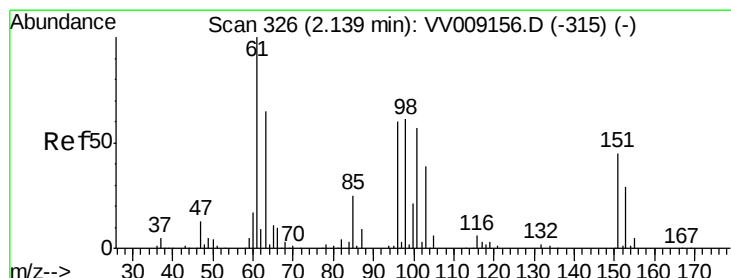
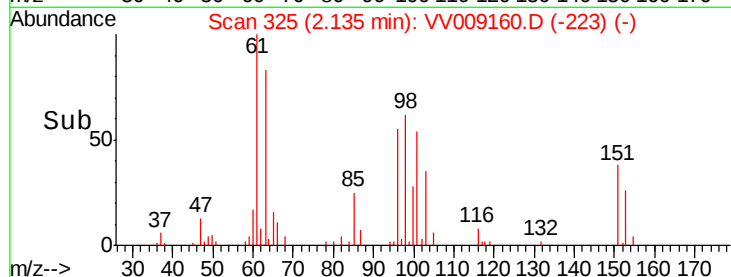
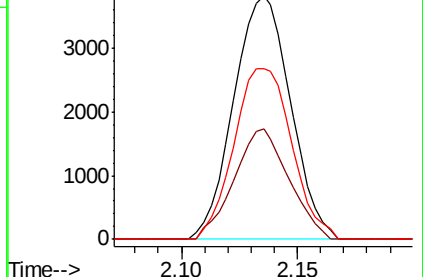
151 71.3 62.6 94.0



Abundance Ion 101.00 (100.70 to 101.70): VV009156.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV009156.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV009156.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 2.768 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

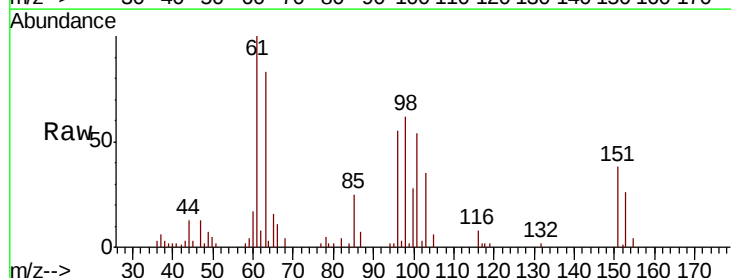
Tgt Ion: 96 Resp: 5546

Ion Ratio Lower Upper

96 100

61 182.3 117.0 217.4

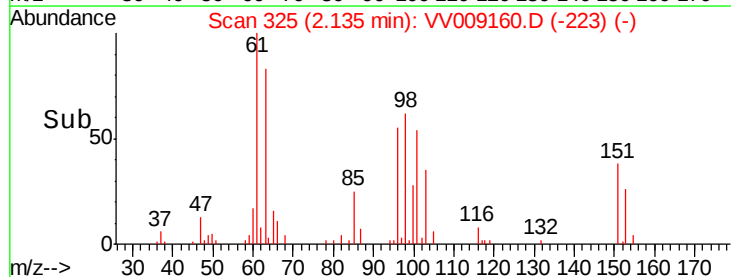
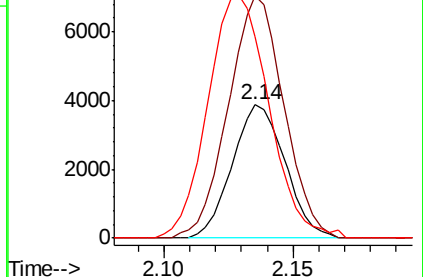
63 150.8 78.2 145.2#

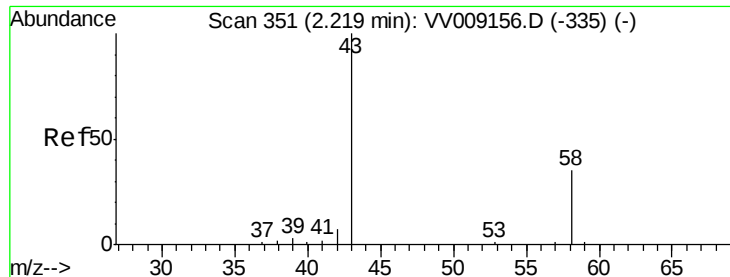


Abundance Ion 96.00 (95.70 to 96.70): VV009156.D (-315) (-)

Ion 61.00 (60.70 to 61.70): VV009156.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV009156.D (-315) (-)





#13

Acetone

Concen: 8.146 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

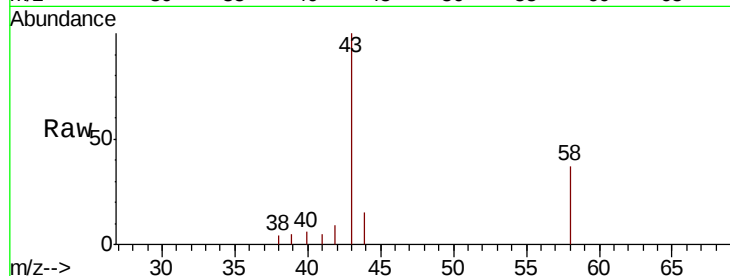
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

Tgt Ion: 43 Resp: 9016

Ion Ratio Lower Upper

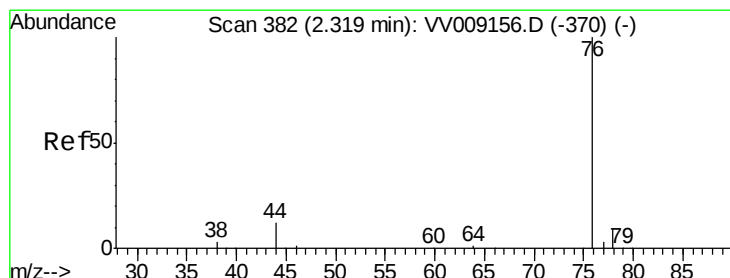
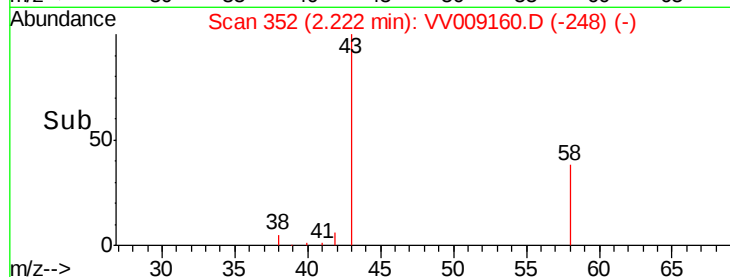
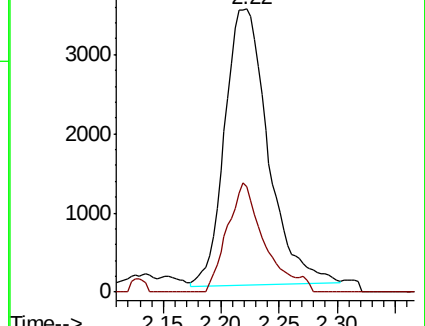
43 100

58 33.2 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VV009156.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VV009156.D (-335) (-)



#14

Carbon disulfide

Concen: 2.844 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009160.D

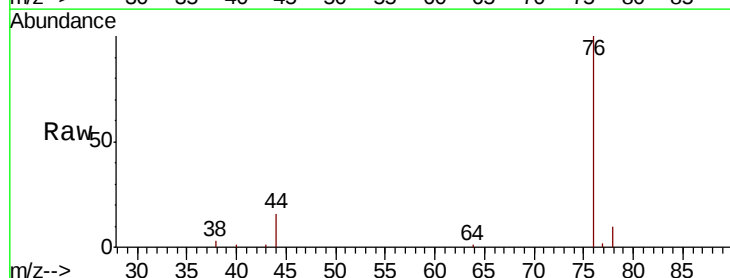
Acq: 04 Jan 2019 13:29

Tgt Ion: 76 Resp: 16281

Ion Ratio Lower Upper

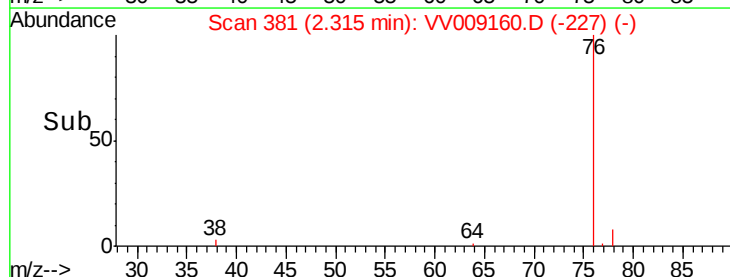
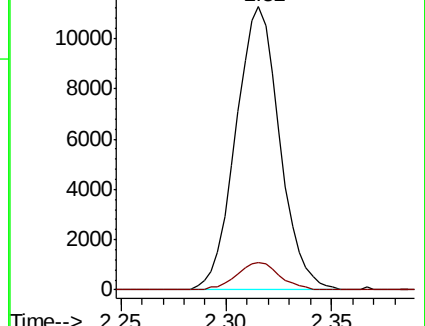
76 100

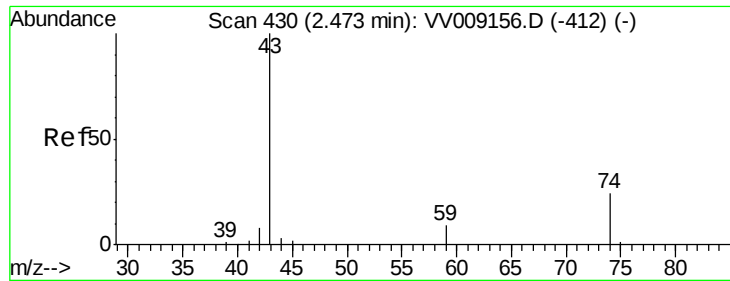
78 9.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV009156.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV009156.D (-370) (-)

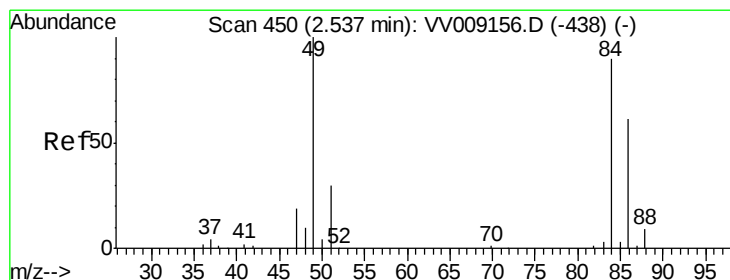
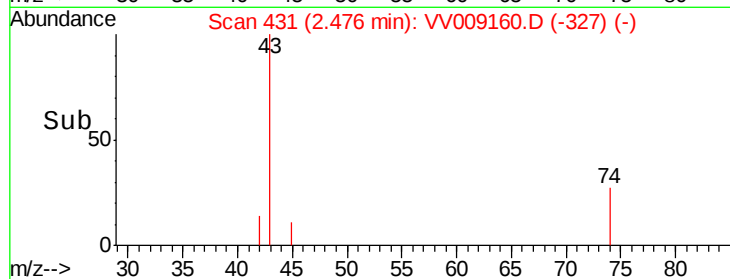
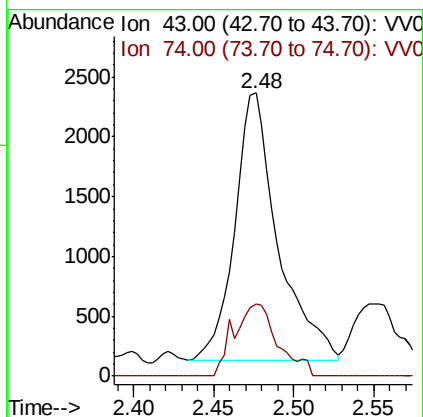
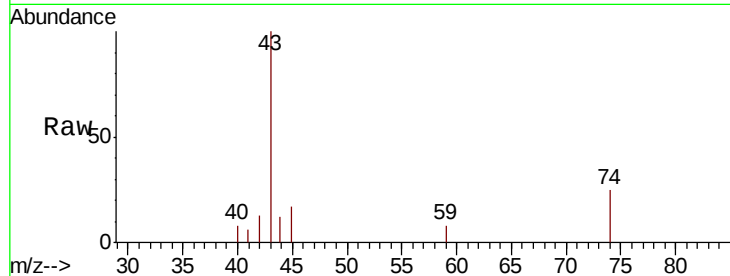




#15
Methyl Acetate
Concen: 3.016 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

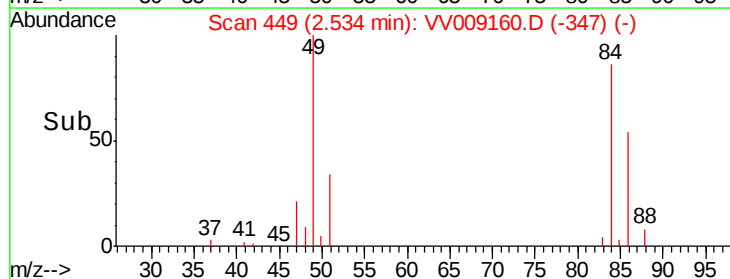
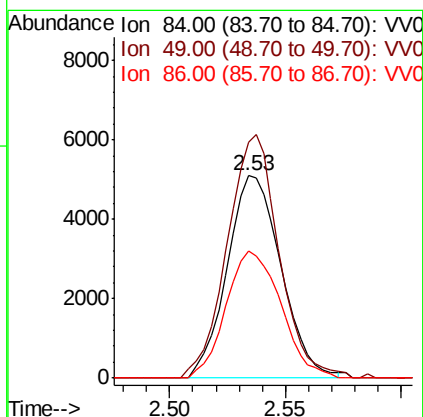
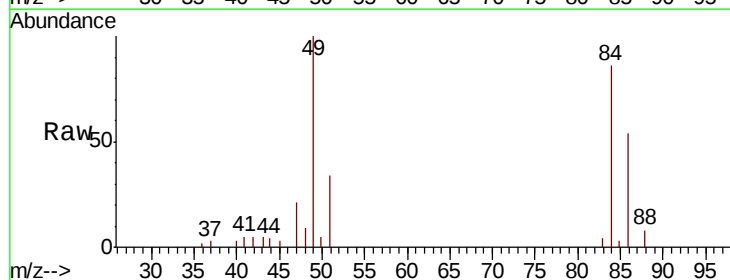
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

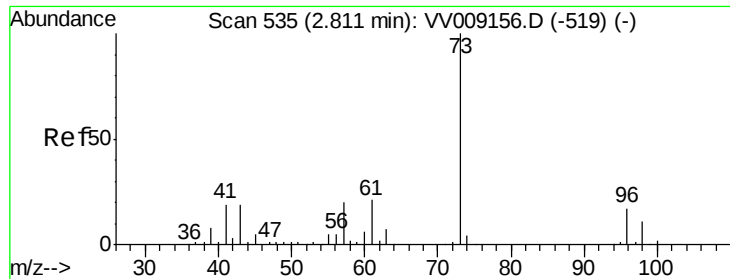
Tgt Ion: 43 Resp: 4131
Ion Ratio Lower Upper
43 100
74 20.8 19.4 29.0



#16
Methylene chloride
Concen: 3.392 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion: 84 Resp: 8224
Ion Ratio Lower Upper
84 100
49 116.5 77.6 144.2
86 62.7 47.4 88.0

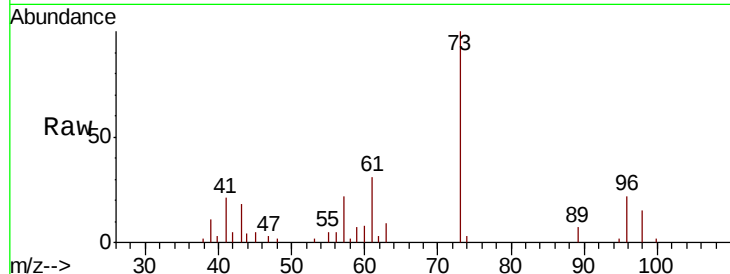




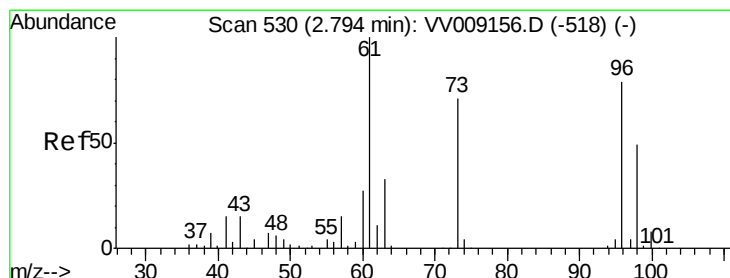
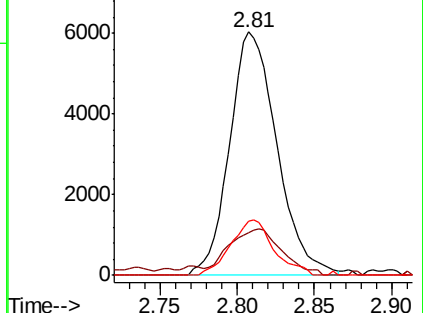
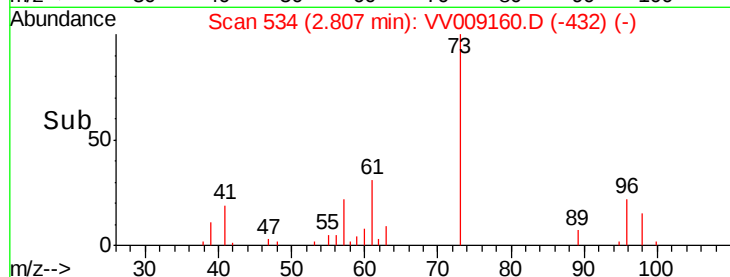
#17
Methyl tert-butyl Ether
Concen: 2.613 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

Tgt Ion: 73 Resp: 12822
Ion Ratio Lower Upper
73 100
43 21.0 15.4 23.2
57 20.7 16.2 24.2

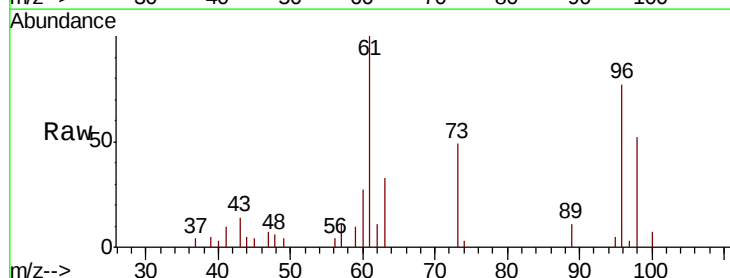


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

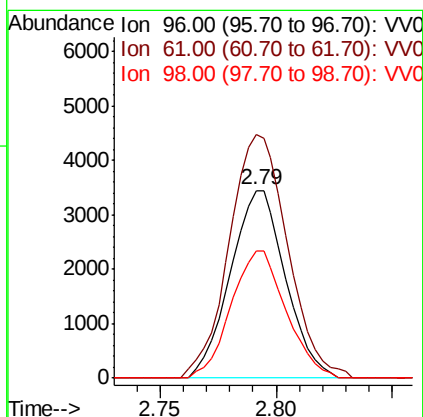
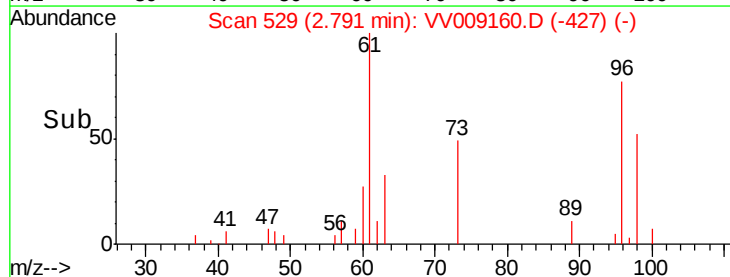


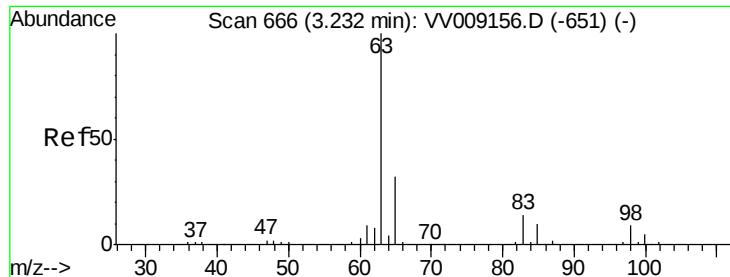
#18
trans-1,2-Dichloroethene
Concen: 2.681 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion: 96 Resp: 5692
Ion Ratio Lower Upper
96 100
61 130.0 88.8 164.8
98 68.2 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

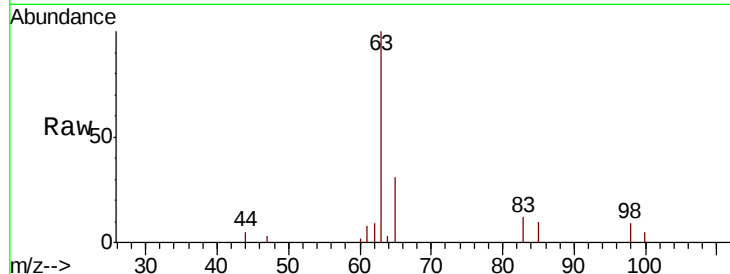




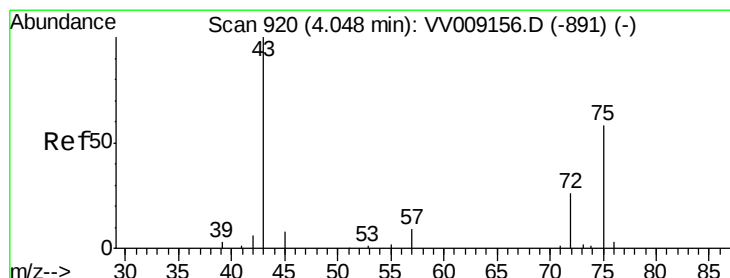
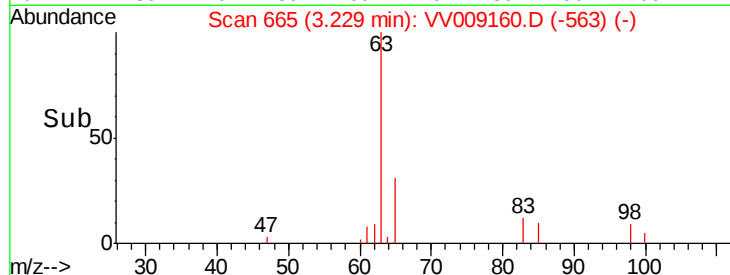
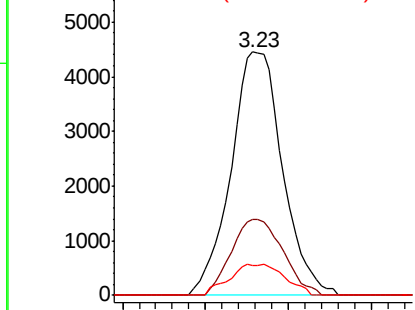
#19
 1,1-Dichloroethane
 Concen: 2.726 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

Tgt Ion: 63 Resp: 9612
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.6 42.0
 83 12.1 9.9 18.3

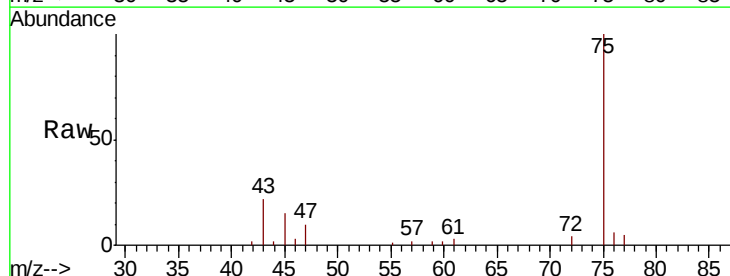


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

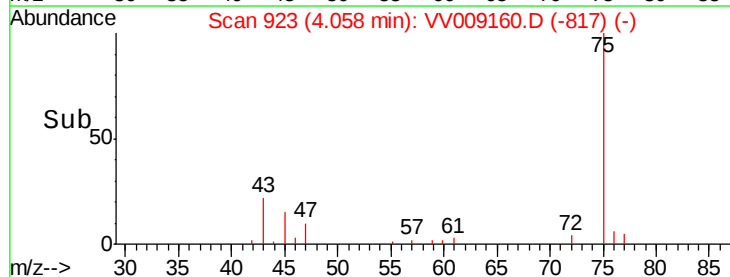
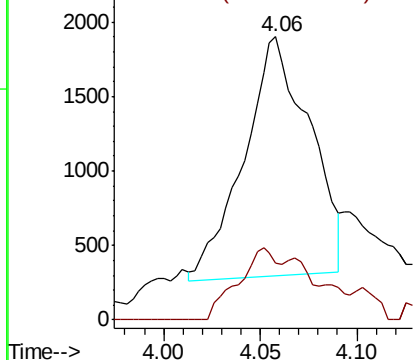


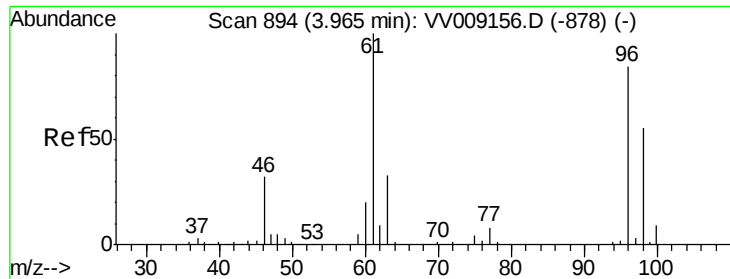
#21
 2-Butanone
 Concen: 3.727 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Tgt Ion: 43 Resp: 3794
 Ion Ratio Lower Upper
 43 100
 72 18.9 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



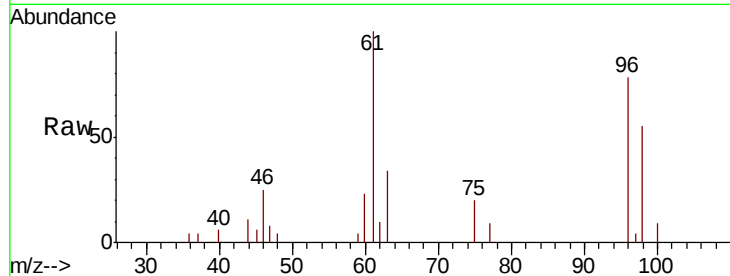


#22

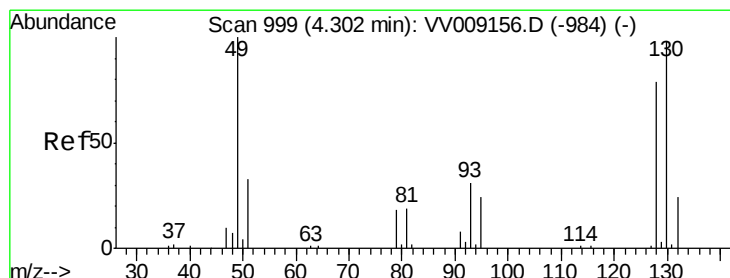
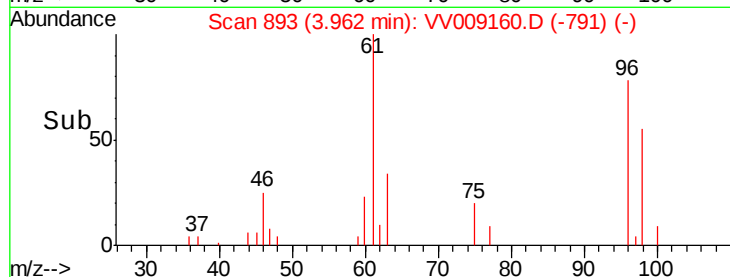
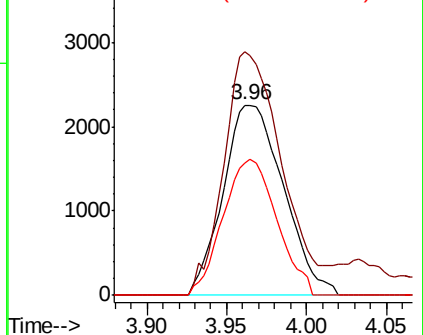
cis-1,2-Dichloroethene
 Concen: 2.574 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

Tgt Ion: 96 Resp: 5842
 Ion Ratio Lower Upper
 96 100
 61 128.1 83.2 154.6
 98 69.8 45.8 85.2



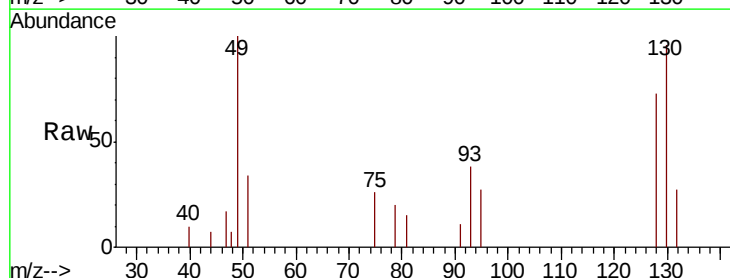
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



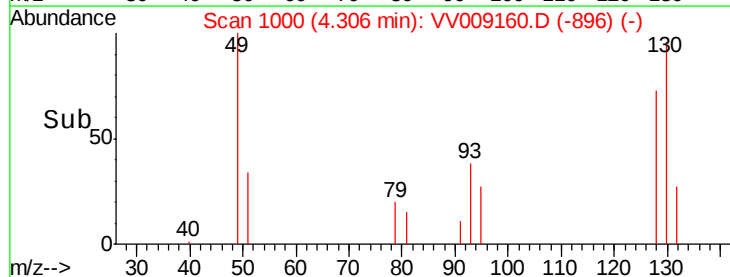
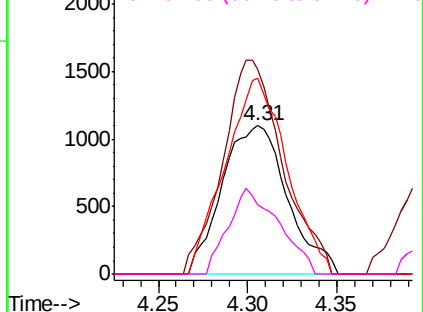
#23

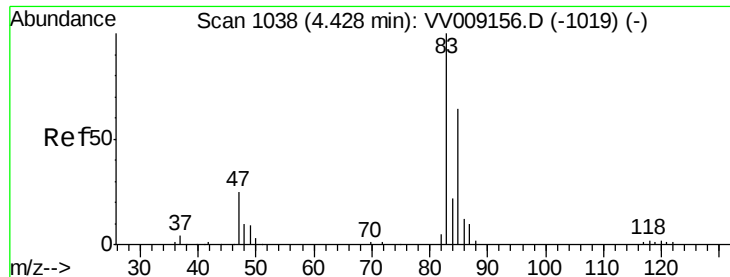
Bromochloromethane
 Concen: 2.630 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Tgt Ion: 128 Resp: 2808
 Ion Ratio Lower Upper
 128 100
 49 137.8 89.9 167.0
 130 132.1 87.8 163.2
 51 46.9 33.8 50.6



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

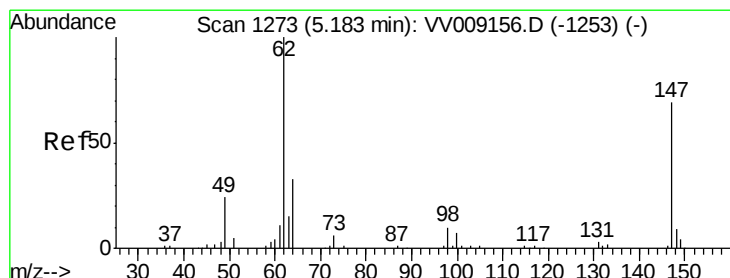
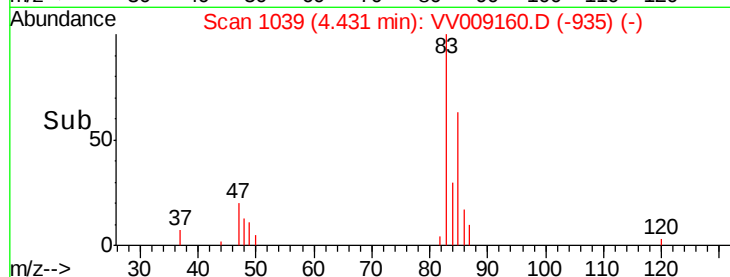
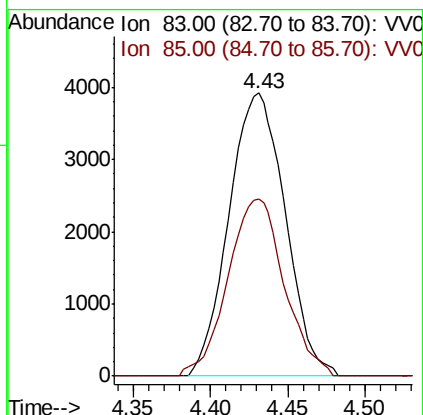
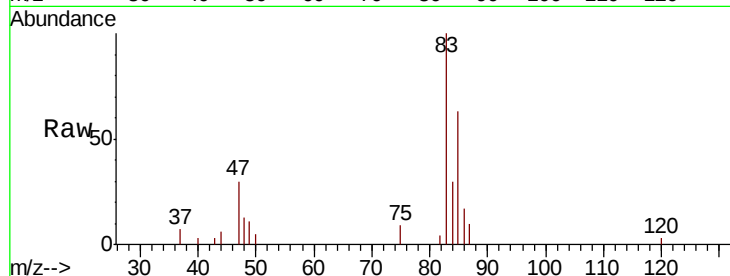




#25
Chloroform
Concen: 2.643 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

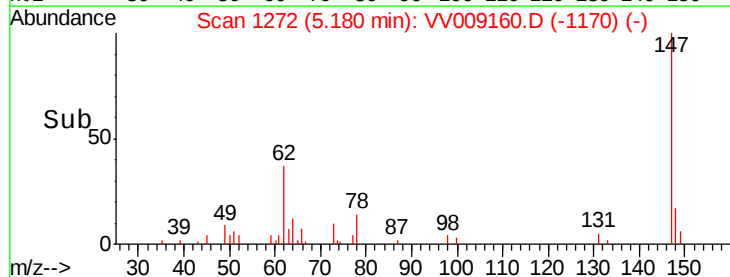
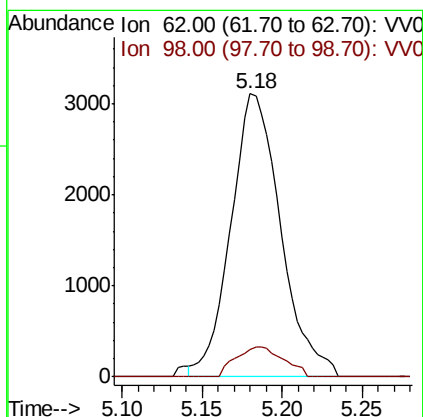
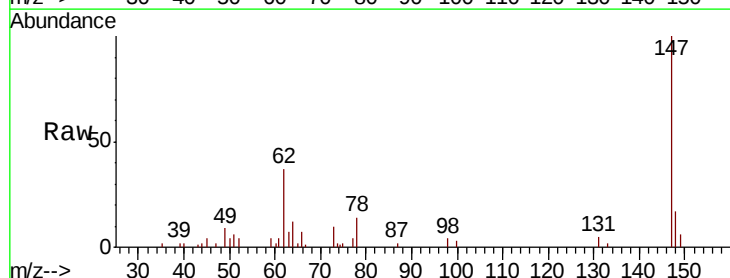
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

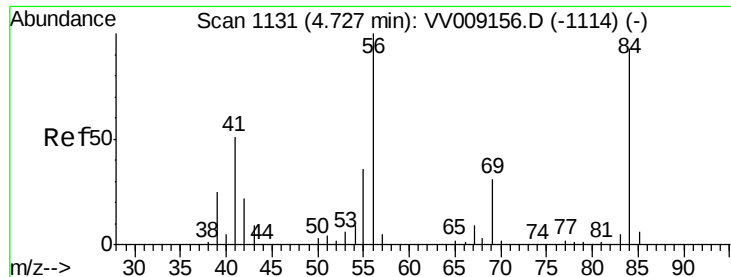
Tgt Ion: 83 Resp: 9923
Ion Ratio Lower Upper
83 100
85 62.7 45.3 84.1



#27
1,2-Dichloroethane
Concen: 2.629 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion: 62 Resp: 6629
Ion Ratio Lower Upper
62 100
98 9.8 8.1 12.1

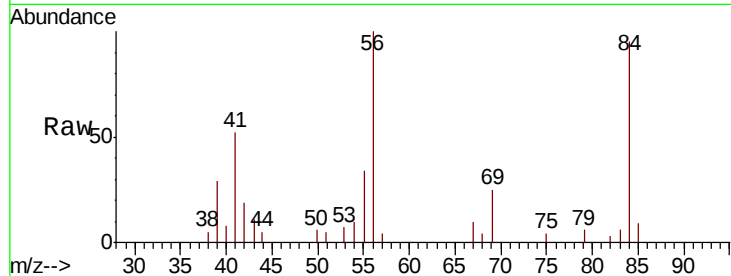




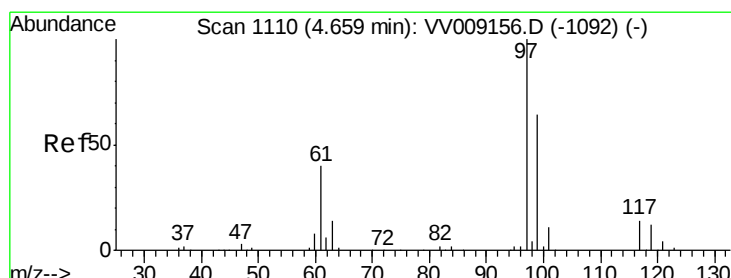
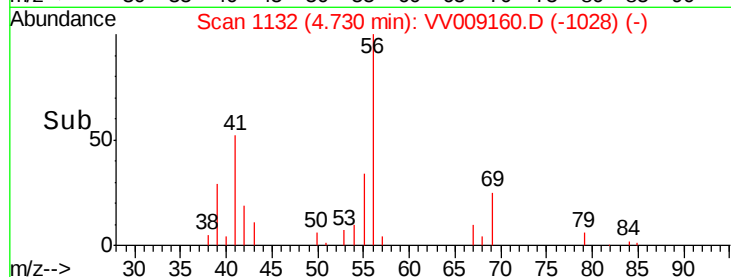
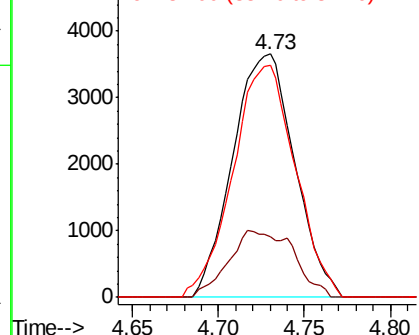
#30
Cyclohexane
Concen: 2.824 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

Tgt Ion: 56 Resp: 9140
Ion Ratio Lower Upper
56 100
69 21.7 26.0 39.0#
84 95.9 77.0 115.4

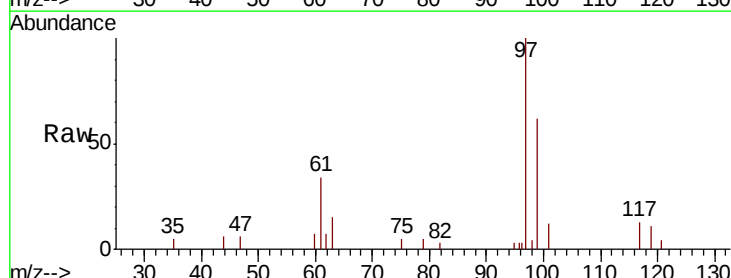


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

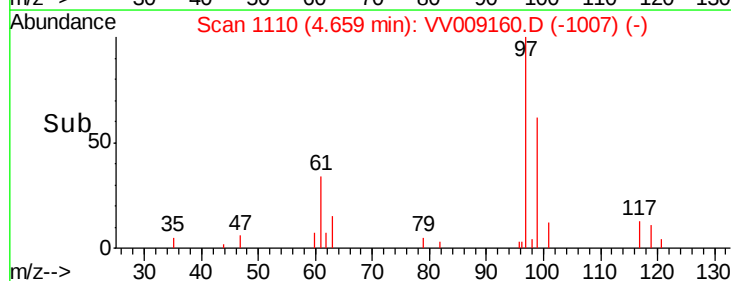
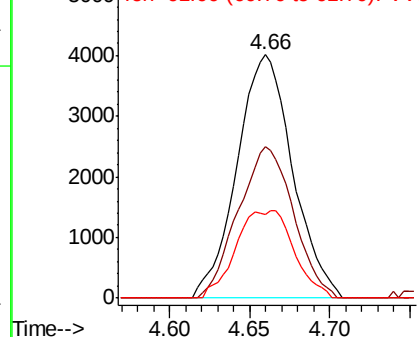


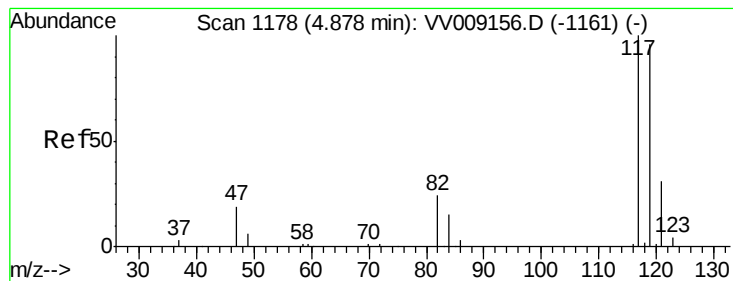
#31
1,1,1-Trichloroethane
Concen: 2.696 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion: 97 Resp: 9570
Ion Ratio Lower Upper
97 100
99 62.0 51.2 76.8
61 20.0 31.8 47.6#



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 2.613 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

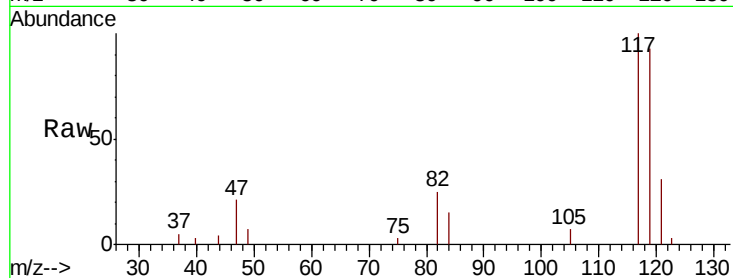
VSTD2.567

Tgt Ion:117 Resp: 8492

Ion Ratio Lower Upper

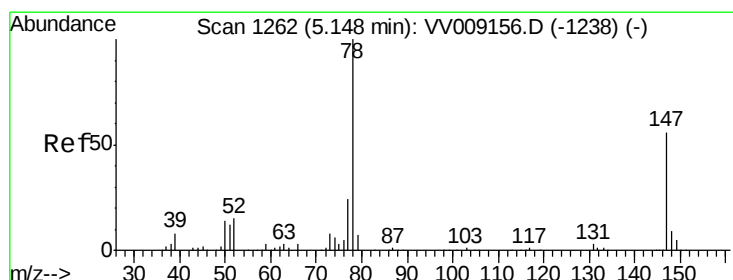
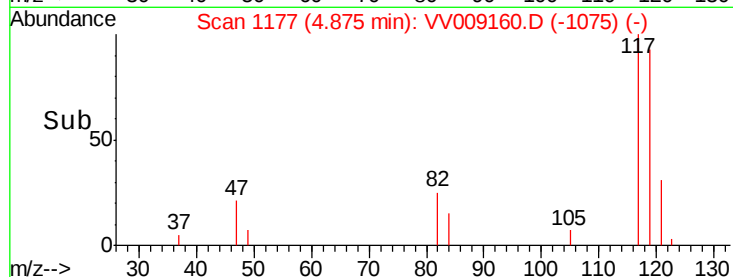
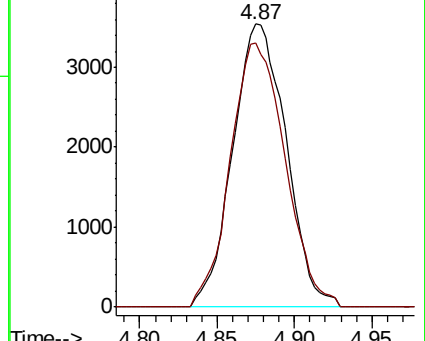
117 100

119 95.5 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.737 ug/L

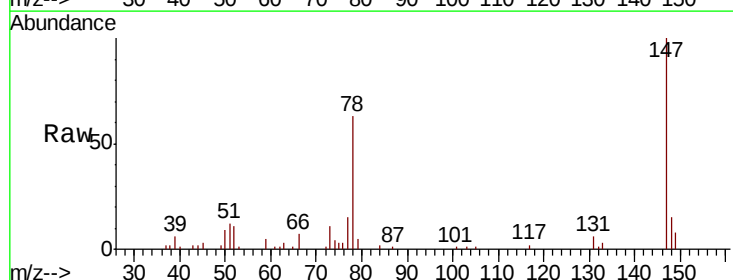
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

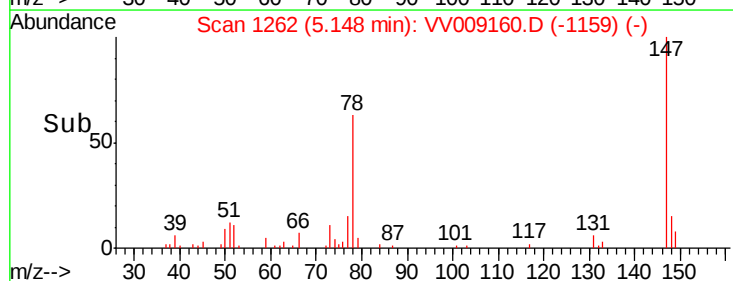
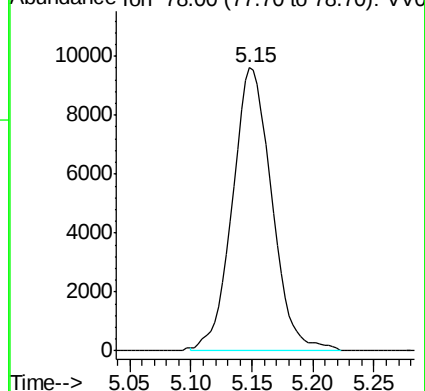
Lab File: VV009160.D

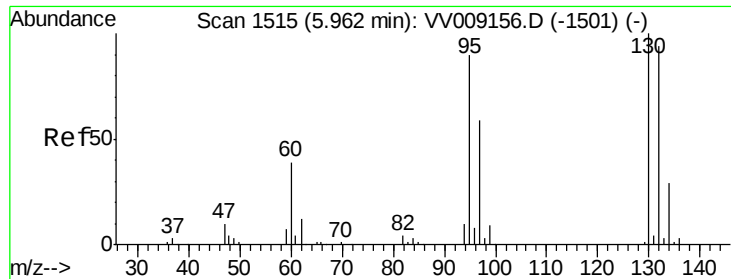
Acq: 04 Jan 2019 13:29

Tgt Ion: 78 Resp: 21488



Abundance Ion 78.00 (77.70 to 78.70): VV0

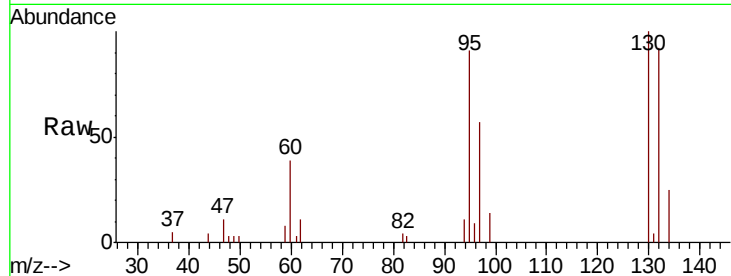




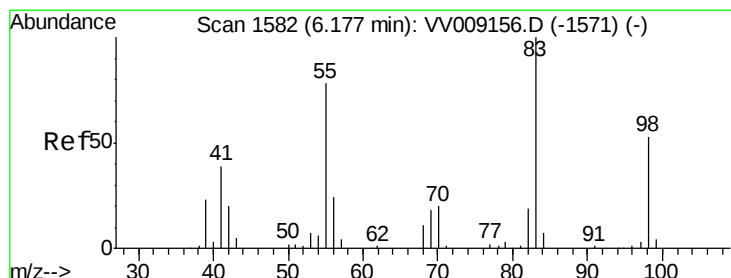
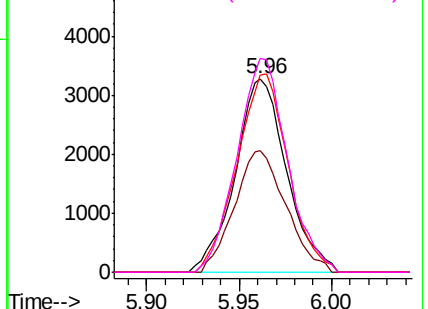
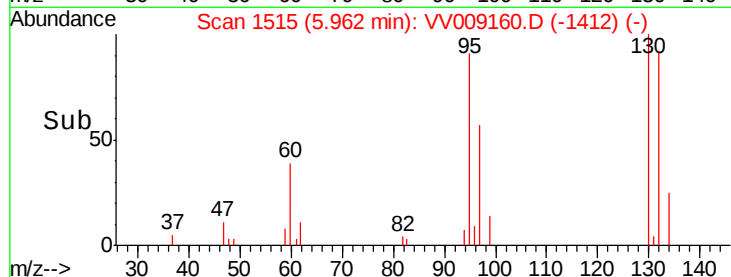
#35
 Trichloroethene
 Concen: 2.790 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

Tgt Ion: 95 Resp: 6310
 Ion Ratio Lower Upper
 95 100
 97 62.8 46.2 85.8
 132 102.1 73.9 137.3
 130 108.3 77.0 143.0

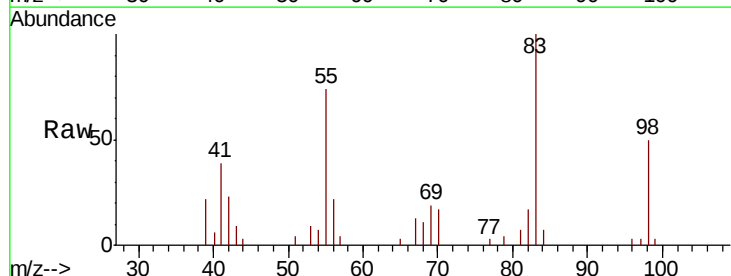


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

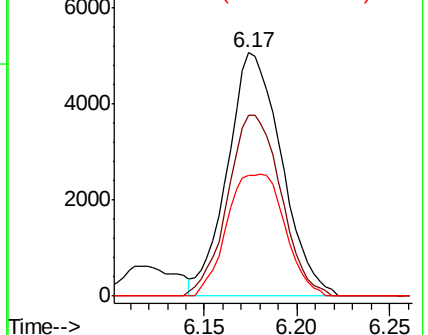
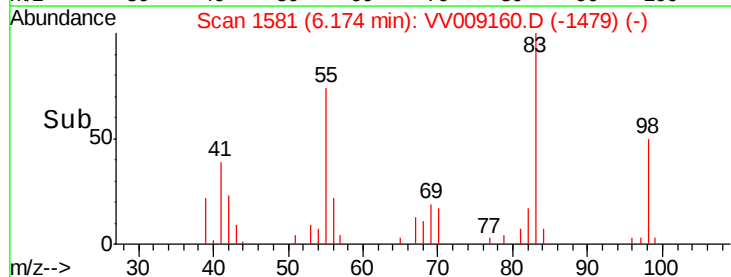


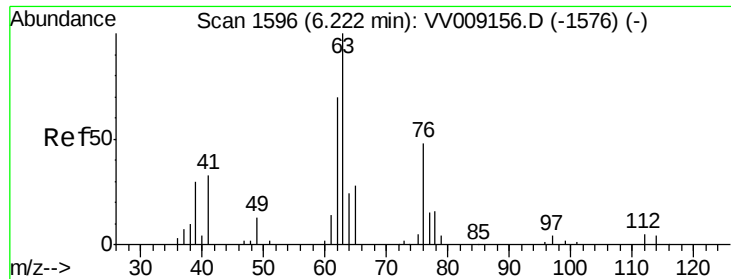
#36
 Methylcyclohexane
 Concen: 2.726 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Tgt Ion: 83 Resp: 10300
 Ion Ratio Lower Upper
 83 100
 55 73.4 58.5 87.7
 98 53.5 41.4 62.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

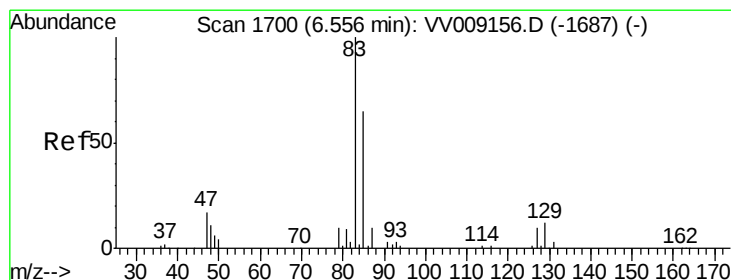
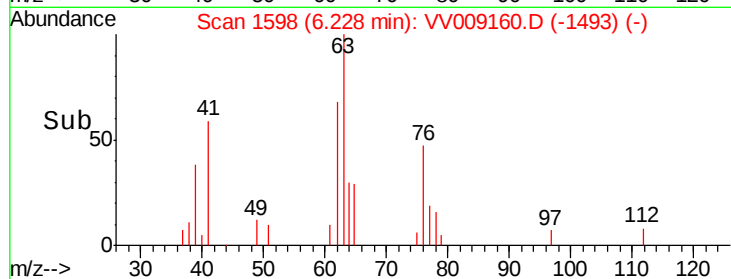
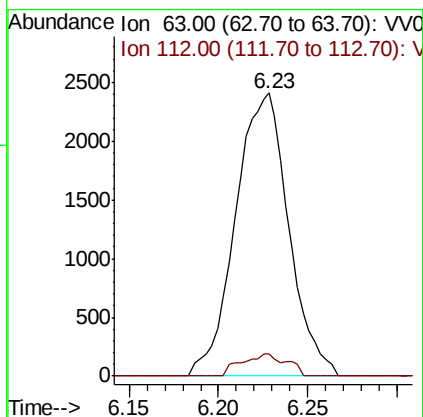
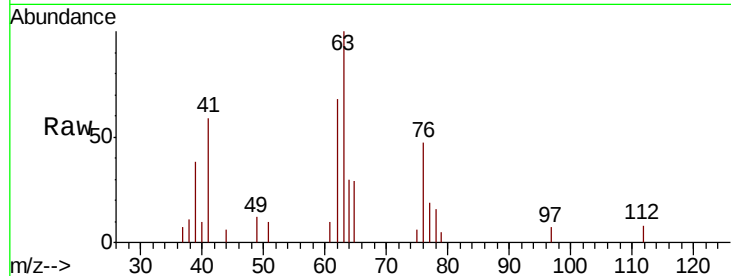




#40
 1,2-Dichloropropane
 Concen: 2.652 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

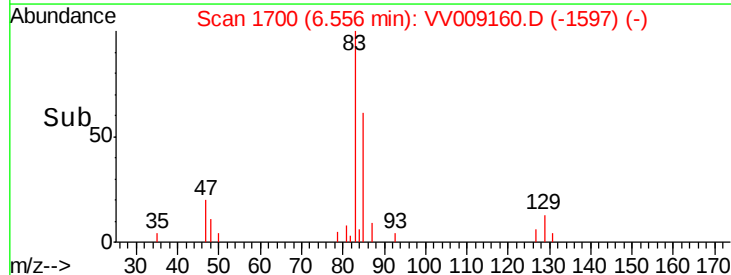
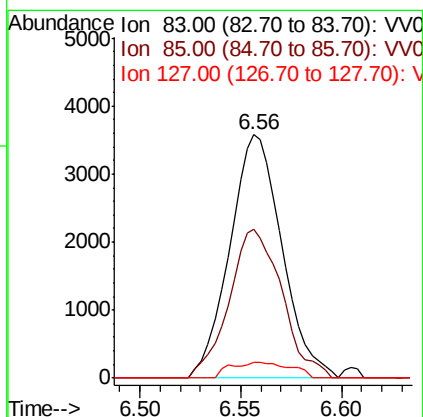
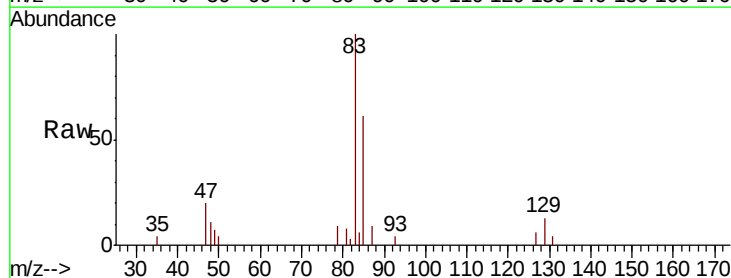
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD2.567

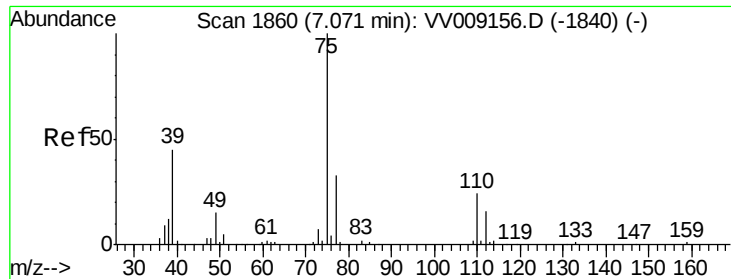
Tgt Ion: 63 Resp: 5018
 Ion Ratio Lower Upper
 63 100
 112 2.0 3.9 5.9#



#41
 Bromodichloromethane
 Concen: 2.487 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Tgt Ion: 83 Resp: 6449
 Ion Ratio Lower Upper
 83 100
 85 61.2 45.3 84.1
 127 6.5 7.8 11.6#



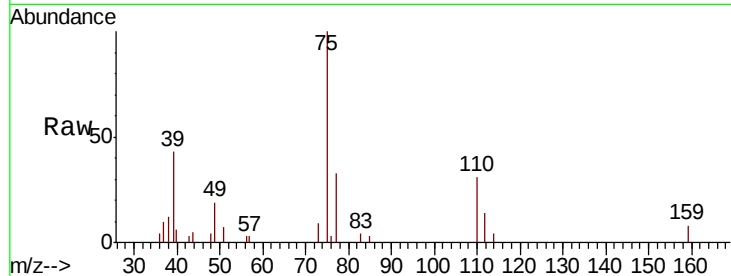


#42

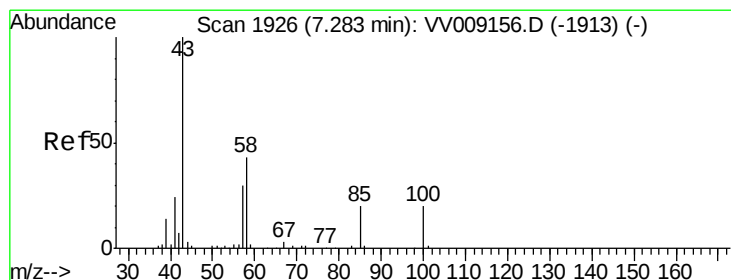
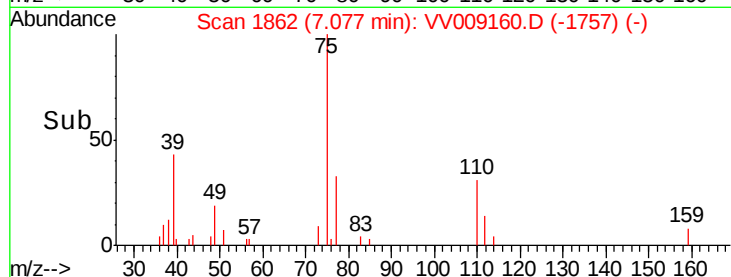
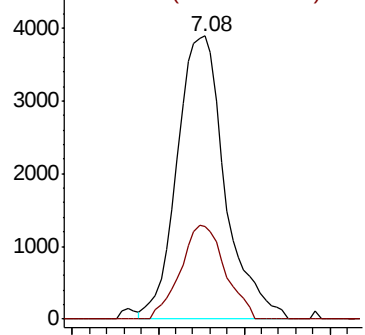
cis-1,3-Dichloropropene
Concen: 2.512 ug/L
RT: 7.08 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

Tgt Ion: 75 Resp: 7531
Ion Ratio Lower Upper
75 100
77 32.9 22.8 42.4



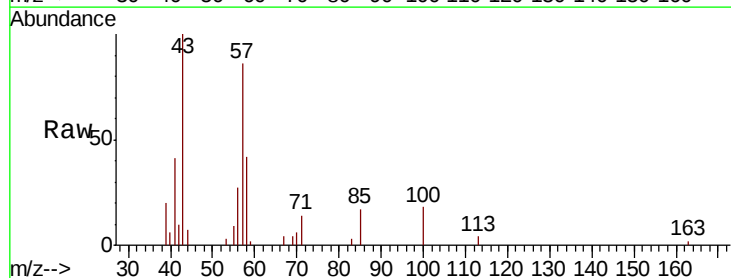
Abundance Ion 75.00 (74.70 to 75.70): VV009156.D (-1840) (-)
Ion 77.00 (76.70 to 77.70): VV009156.D (-1840) (-)



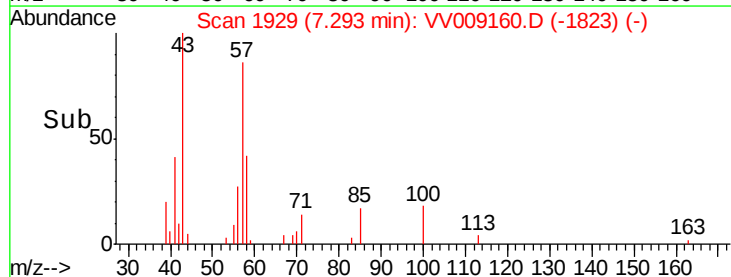
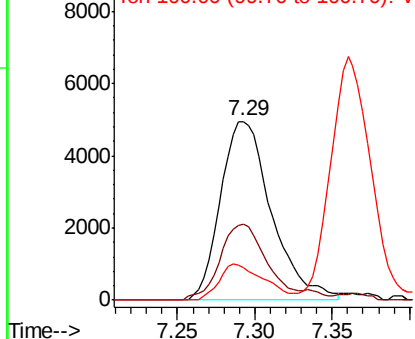
#43

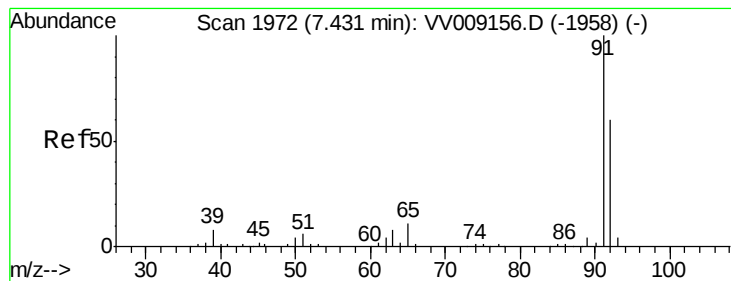
4-Methyl-2-pentanone
Concen: 6.311 ug/L
RT: 7.29 min Scan# 1929
Delta R.T. 0.01 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion: 43 Resp: 11381
Ion Ratio Lower Upper
43 100
58 38.2 33.4 50.2
100 17.4 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VV009156.D (-1913) (-)
Ion 58.00 (57.70 to 58.70): VV009156.D (-1913) (-)
Ion 100.00 (99.70 to 100.70): VV009156.D (-1913) (-)





#44

Toluene

Concen: 2.678 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

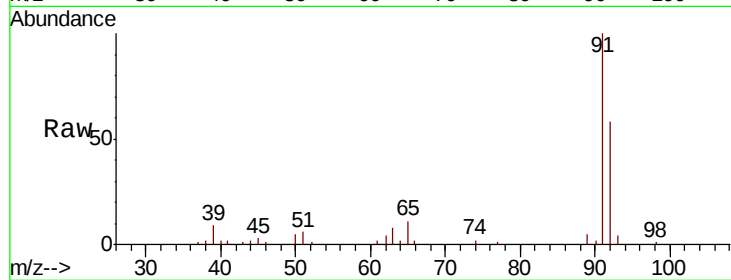
VSTD2.567

Tgt Ion: 91 Resp: 22667

Ion Ratio Lower Upper

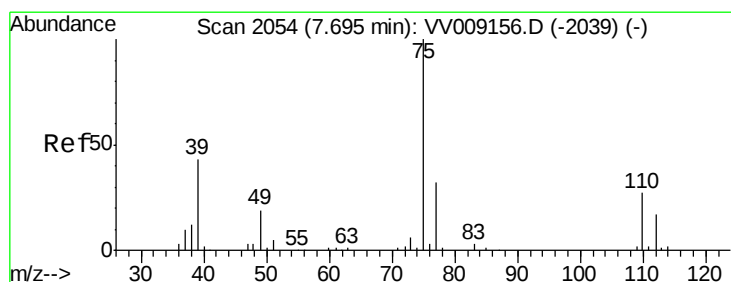
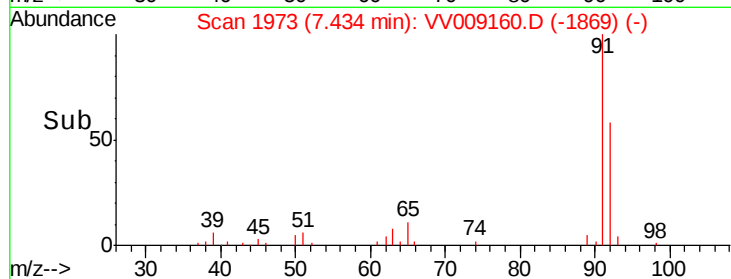
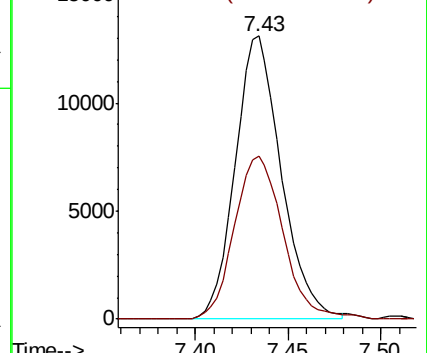
91 100

92 57.6 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV009160.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009160.D (-1958) (-)



#45

trans-1,3-Dichloropropene

Concen: 2.530 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV009160.D

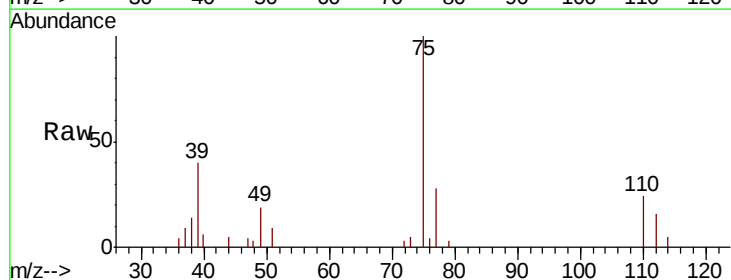
Acq: 04 Jan 2019 13:29

Tgt Ion: 75 Resp: 6641

Ion Ratio Lower Upper

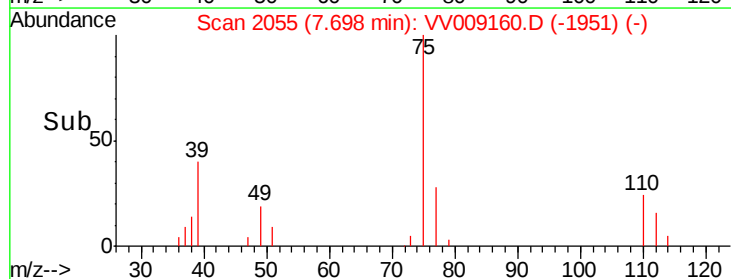
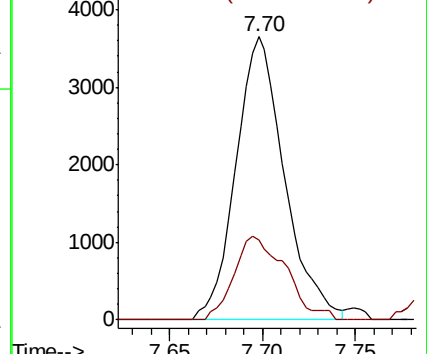
75 100

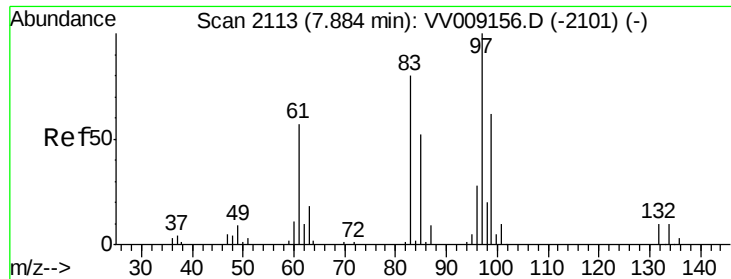
77 28.0 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV009160.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VV009160.D (-1951) (-)

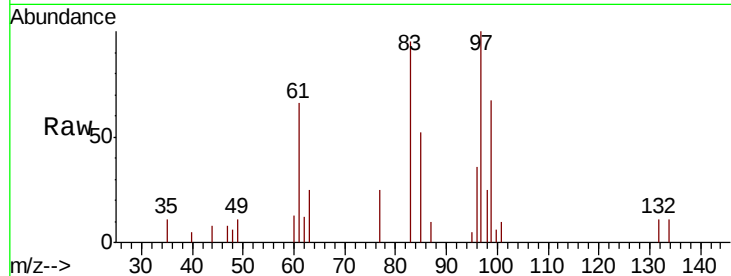




#46
 1,1,2-Trichloroethane
 Concen: 2.507 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

Tgt Ion:	97	Resp:	4193
Ion	Ratio	Lower	Upper
97	100		
83	95.1	56.0	104.0
85	52.0	36.5	67.9
99	66.8	43.5	80.9



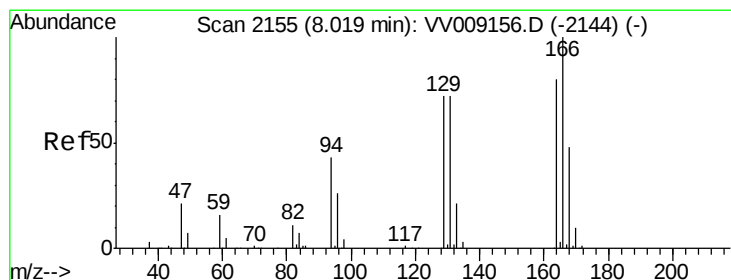
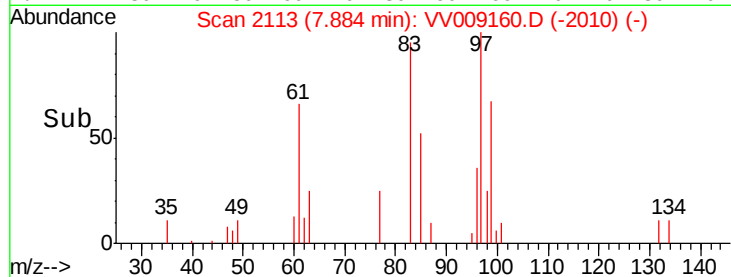
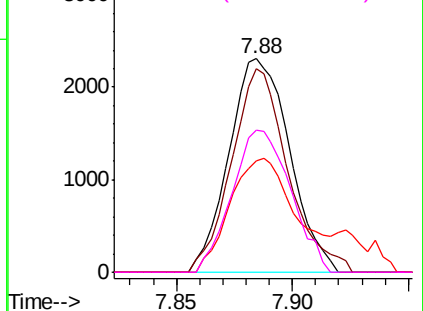
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

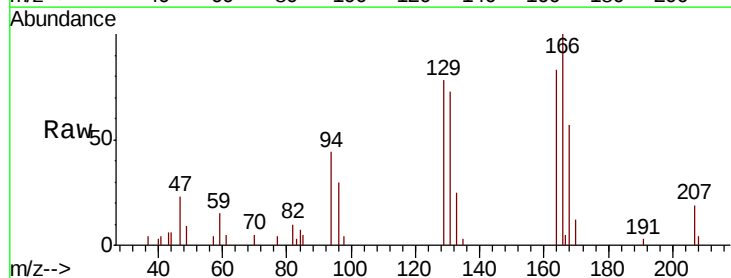
Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47
 Tetrachloroethene
 Concen: 2.764 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Tgt Ion:	164	Resp:	5416
Ion	Ratio	Lower	Upper
164	100		
129	94.5	63.5	117.9
131	88.4	63.2	117.4
166	120.8	88.0	163.4



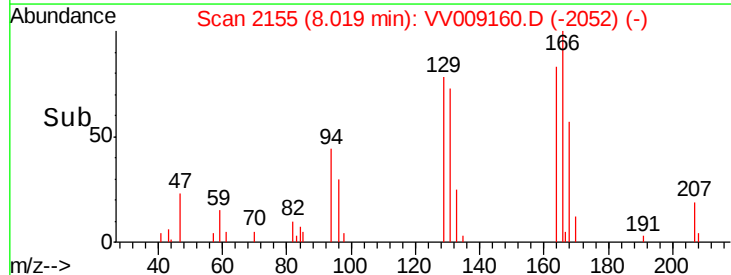
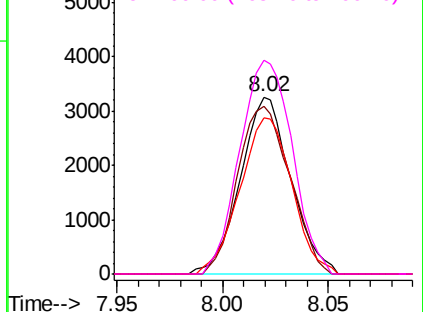
Abundance

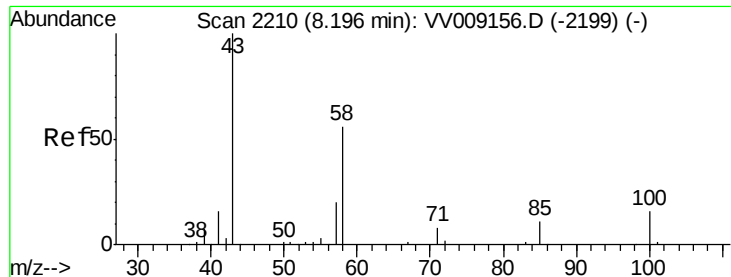
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

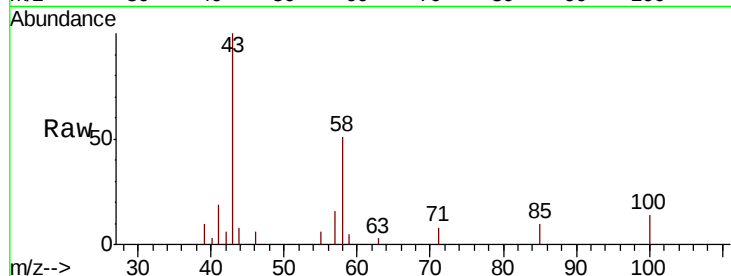




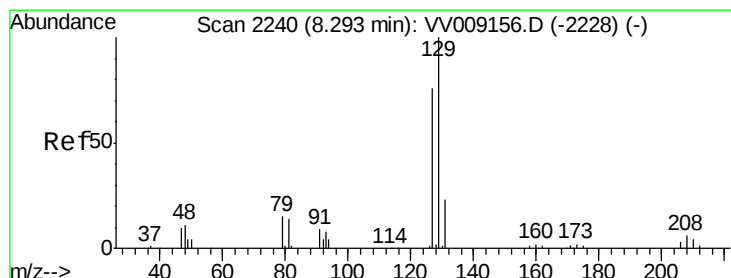
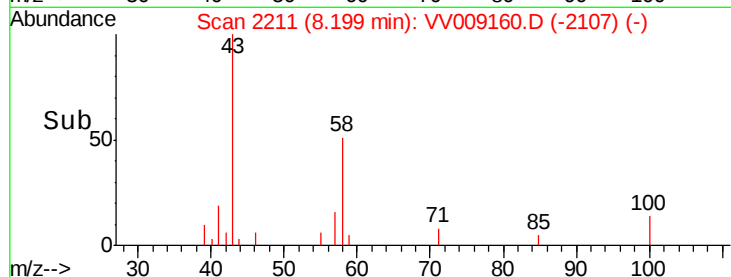
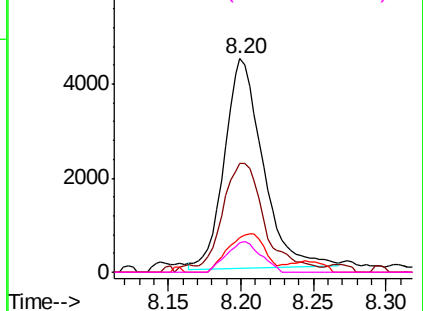
#49
2-Hexanone
Concen: 6.235 ug/L
RT: 8.20 min Scan# 2211
Delta R.T. 0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Instrument :
MSVOA_V
ClientSampled :
VSTD2.567

Tgt Ion: 43 Resp: 8275
Ion Ratio Lower Upper
43 100
58 56.5 46.7 70.1
57 17.4 15.5 23.3
100 13.0 12.8 19.2

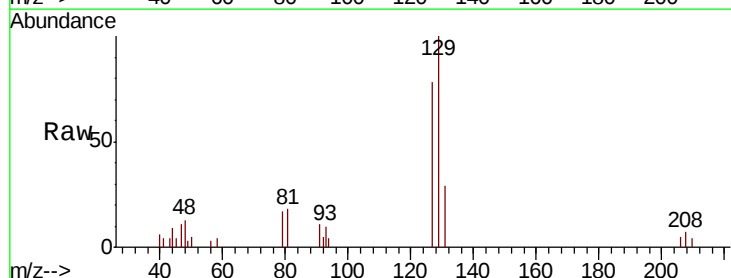


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

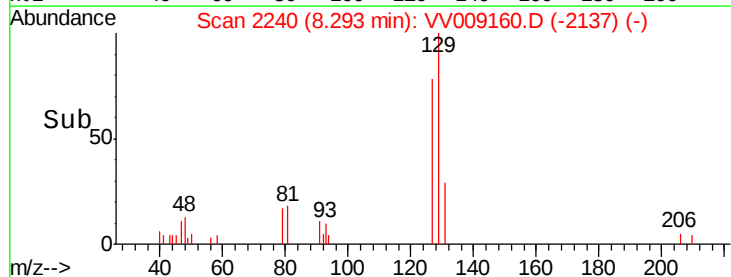
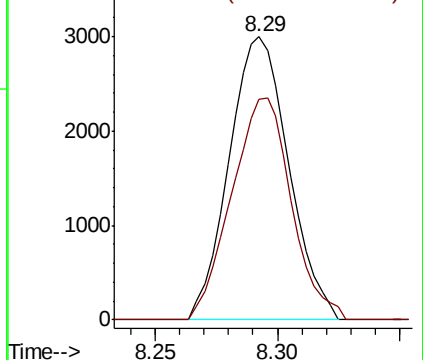


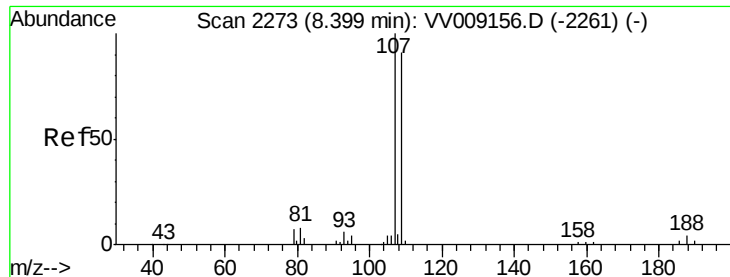
#50
Dibromochloromethane
Concen: 2.472 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion: 129 Resp: 5079
Ion Ratio Lower Upper
129 100
127 78.2 53.1 98.7



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





#51

1,2-Dibromoethane

Concen: 2.677 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

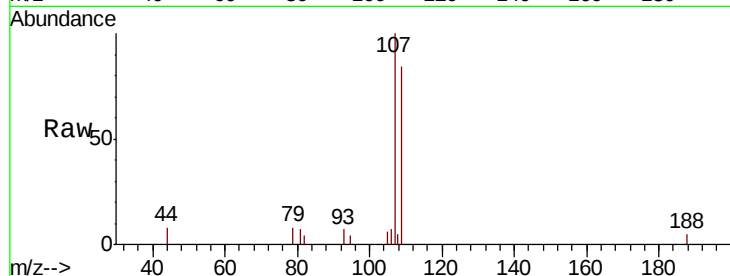
Tgt Ion:107 Resp: 4680

Ion Ratio Lower Upper

107 100

109 83.9 63.6 118.0

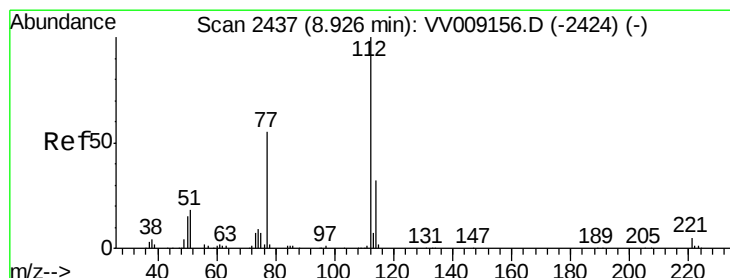
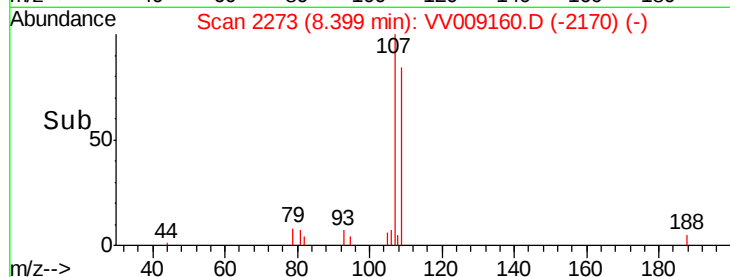
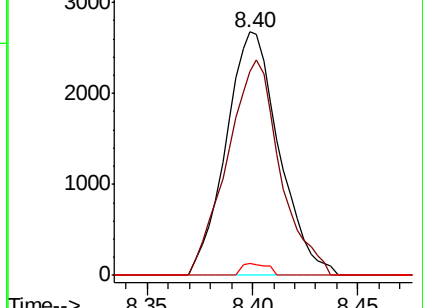
188 4.7 3.3 4.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 2.792 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

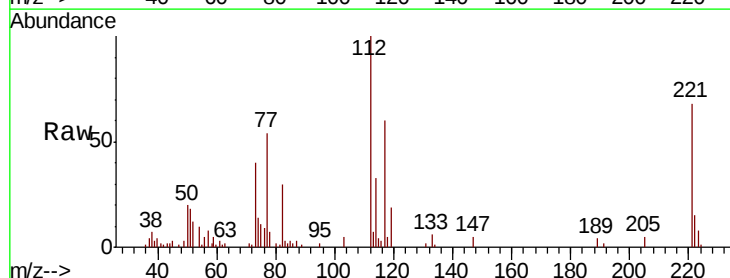
Tgt Ion:112 Resp: 16215

Ion Ratio Lower Upper

112 100

77 54.1 44.6 66.8

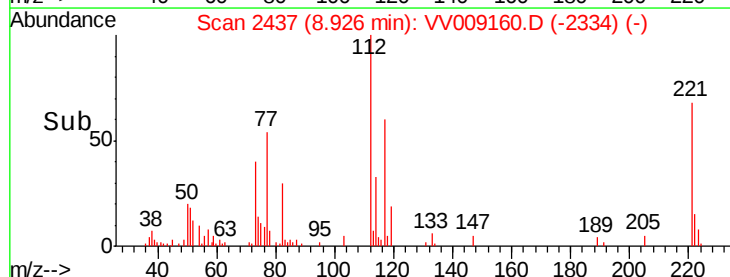
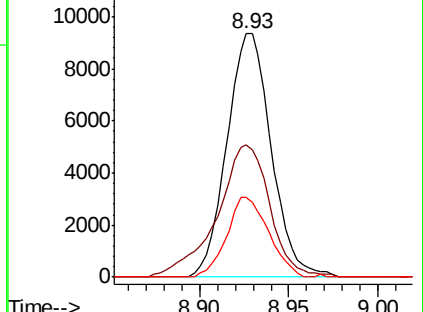
114 33.0 22.5 41.9

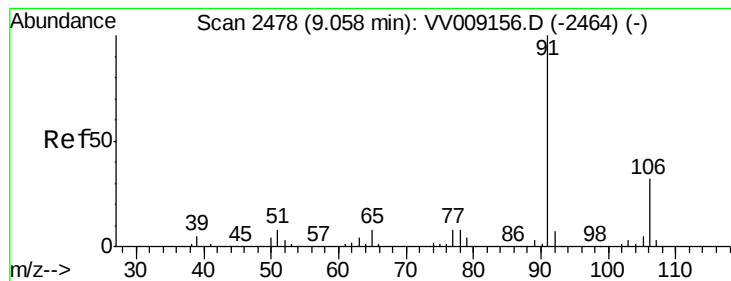


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 2.649 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

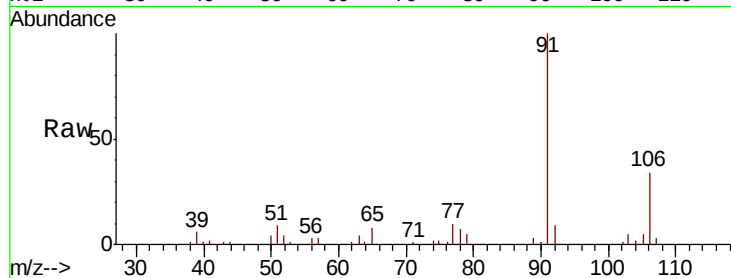
VSTD2.567

Tgt Ion: 91 Resp: 25352

Ion Ratio Lower Upper

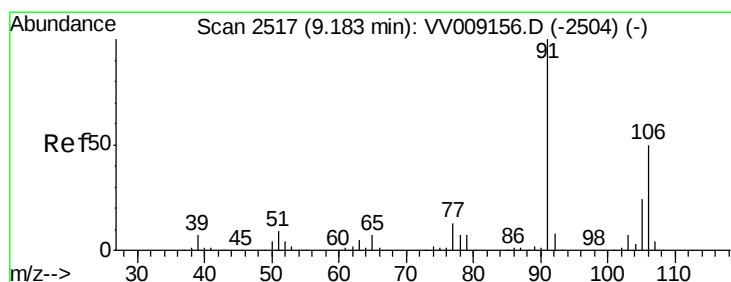
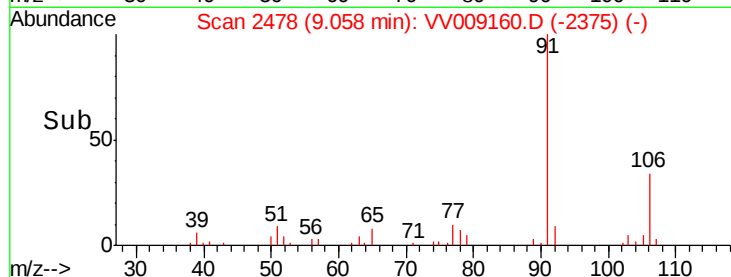
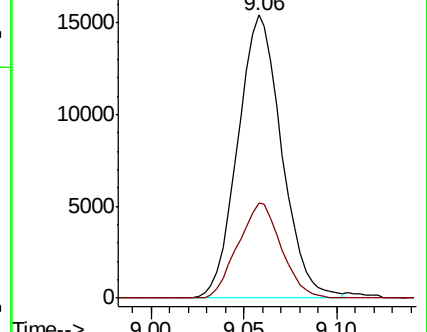
91 100

106 33.6 22.5 41.9



Abundance Ion 91.00 (90.70 to 91.70): VV009160.D (-2375) (-)

Ion 106.00 (105.70 to 106.70): VV009160.D (-2375) (-)



#54

m,p-Xylene

Concen: 2.693 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009160.D

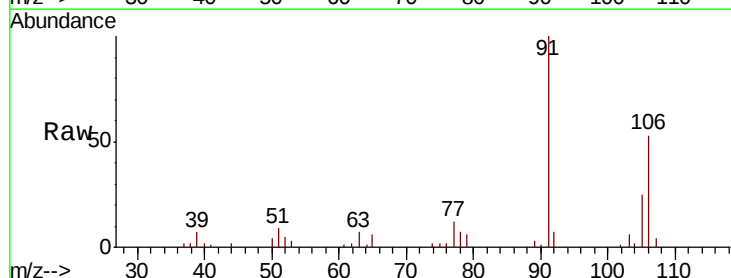
Acq: 04 Jan 2019 13:29

Tgt Ion: 106 Resp: 10042

Ion Ratio Lower Upper

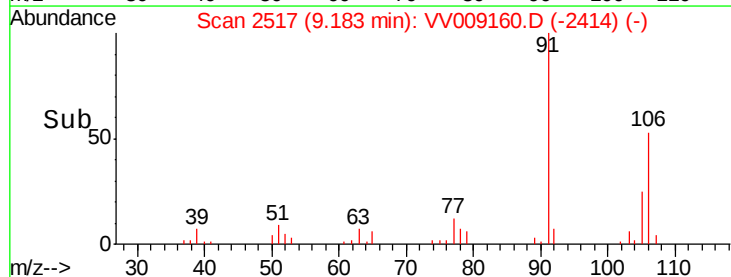
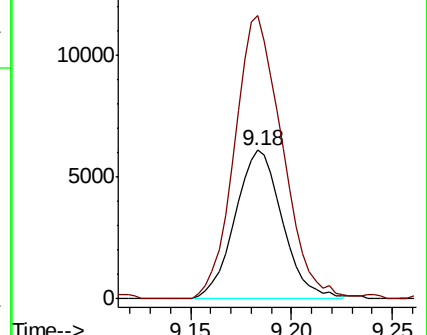
106 100

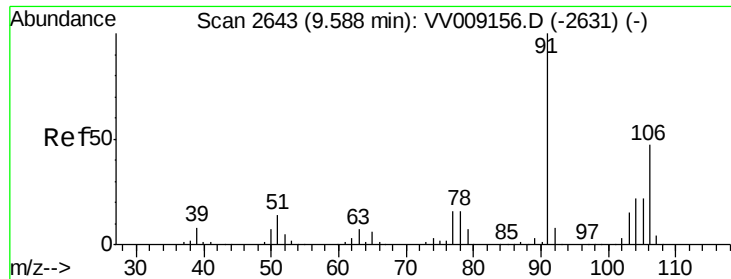
91 190.2 138.9 257.9



Abundance Ion 106.00 (105.70 to 106.70): VV009160.D (-2414) (-)

Ion 91.00 (90.70 to 91.70): VV009160.D (-2414) (-)

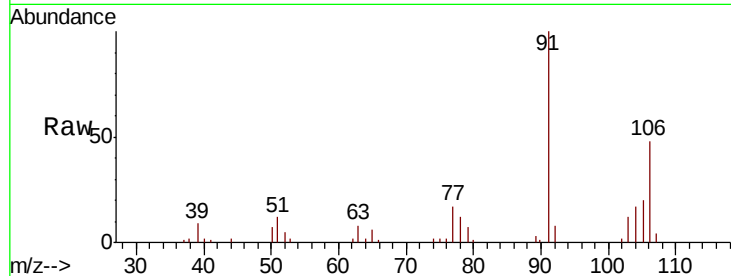




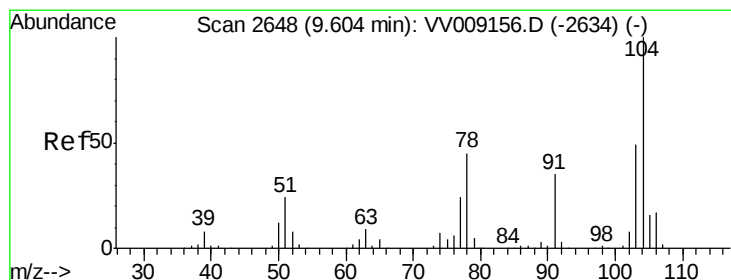
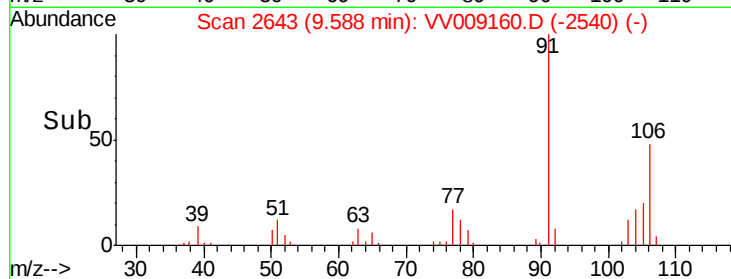
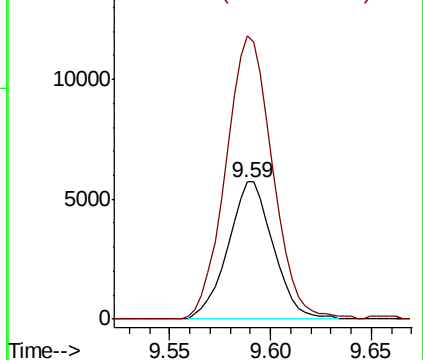
#55
o-xylene
Concen: 2.603 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

Tgt Ion:106 Resp: 8976
Ion Ratio Lower Upper
106 100
91 206.5 148.7 276.1

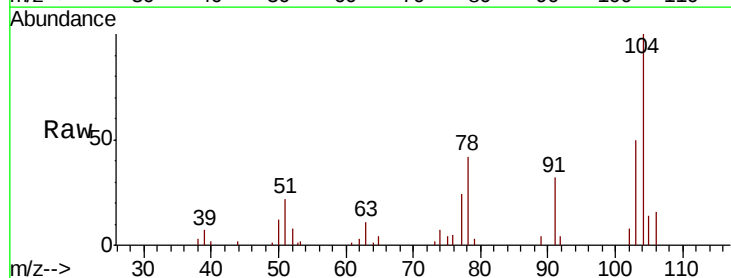


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

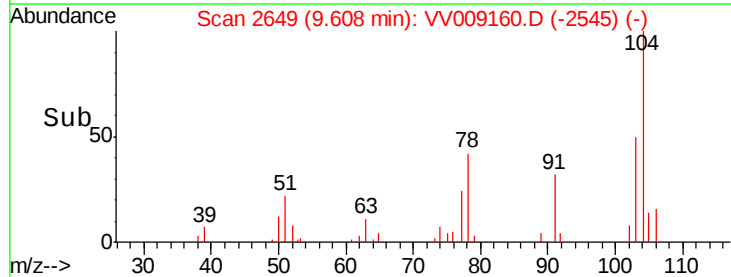
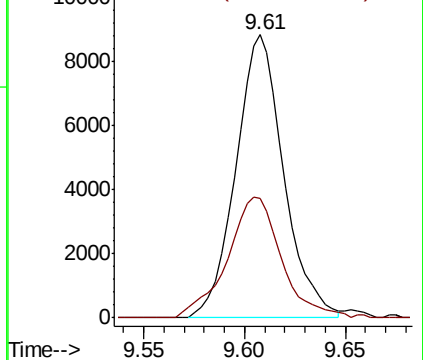


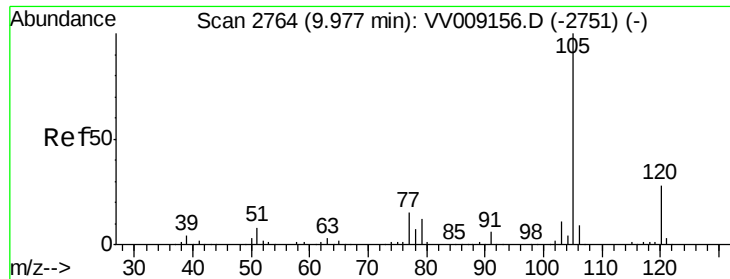
#56
Styrene
Concen: 2.516 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion:104 Resp: 14632
Ion Ratio Lower Upper
104 100
78 42.1 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 2.551 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

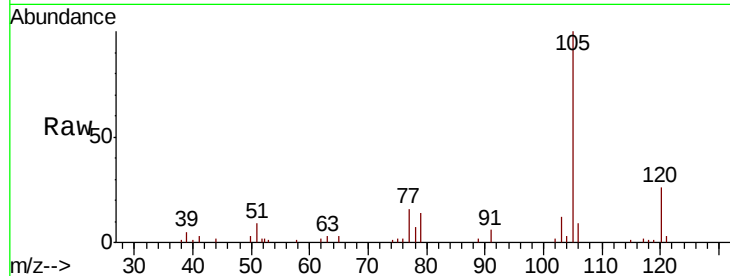
Tgt Ion: 105 Resp: 24405

Ion Ratio Lower Upper

105 100

120 27.9 21.9 32.9

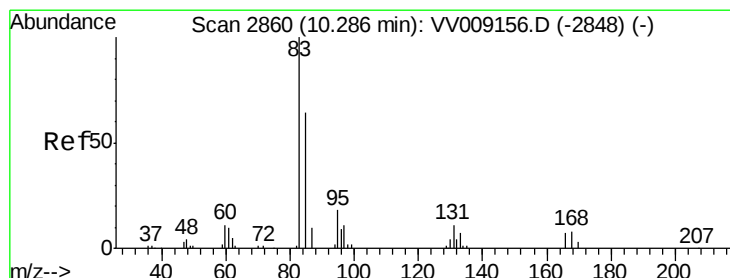
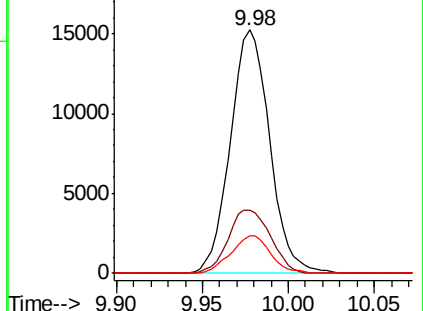
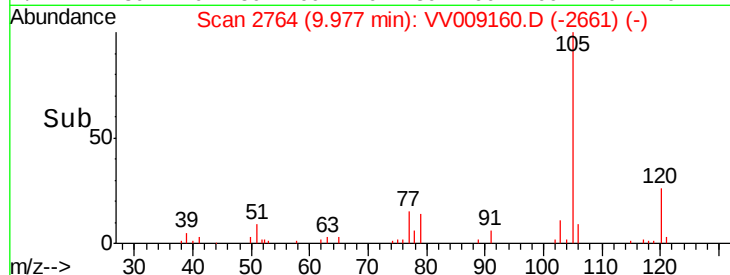
77 15.4 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.691 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

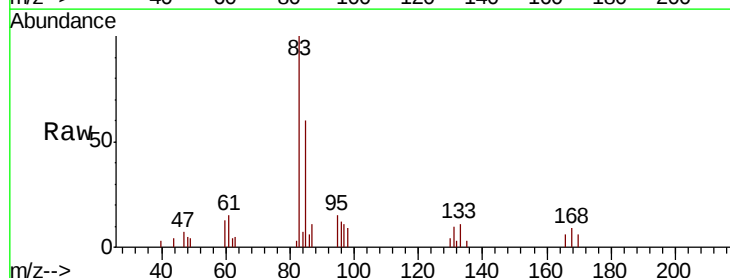
Tgt Ion: 83 Resp: 6028

Ion Ratio Lower Upper

83 100

85 59.9 45.4 84.2

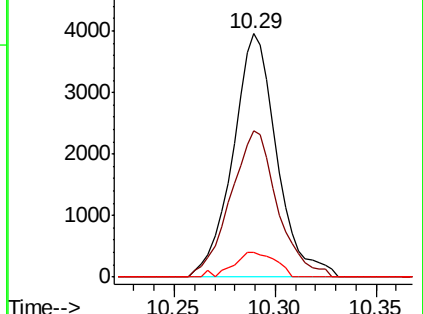
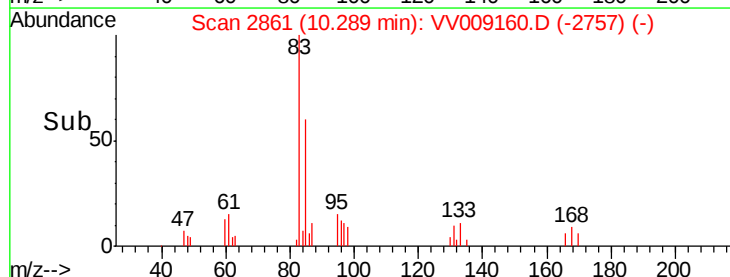
131 10.2 9.4 14.0

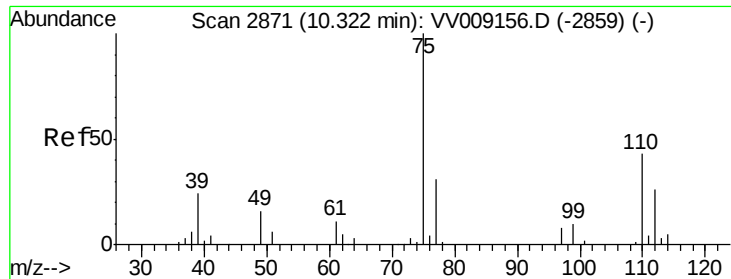


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

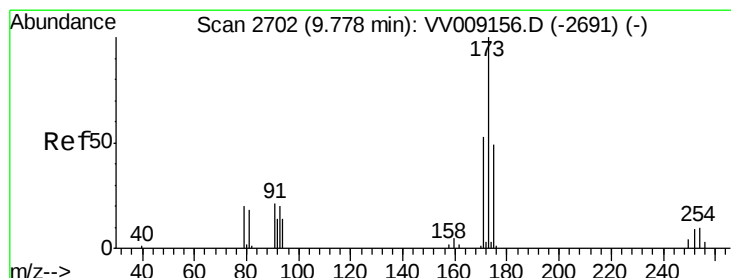
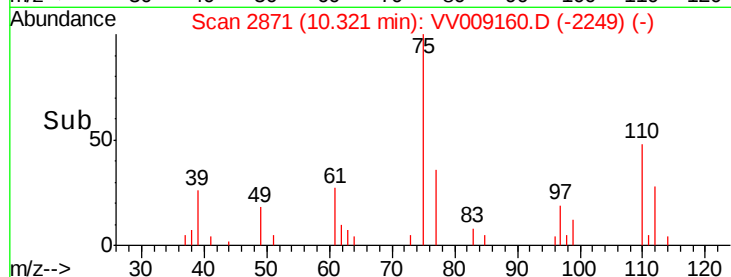
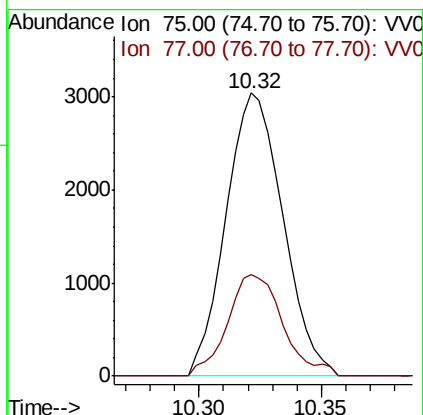
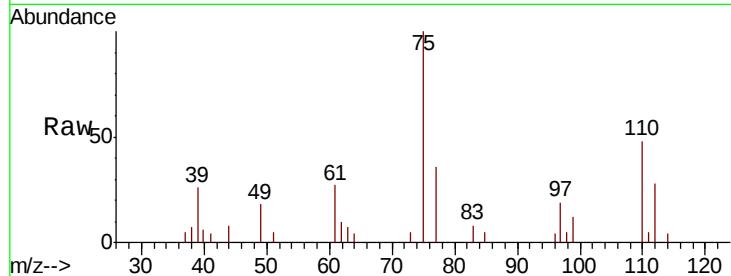




#59
 1,2,3-Trichloropropane
 Concen: 2.752 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

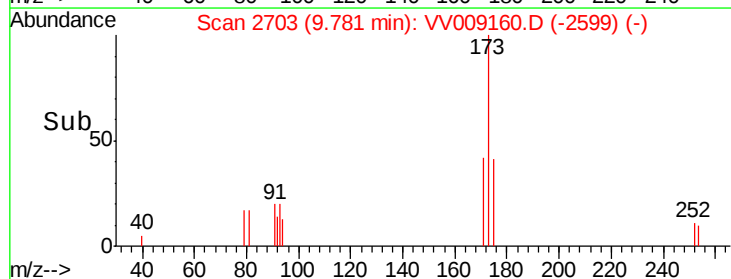
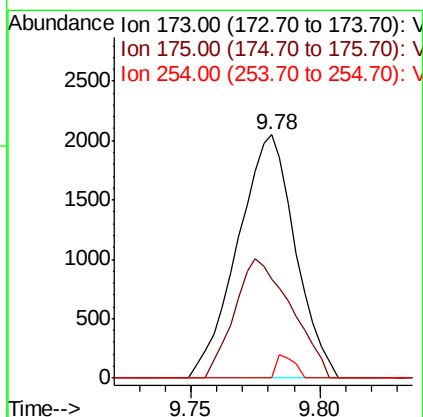
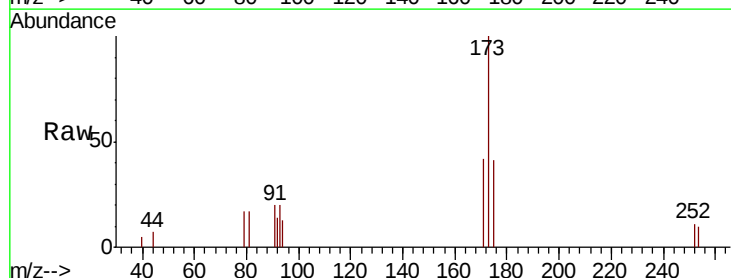
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

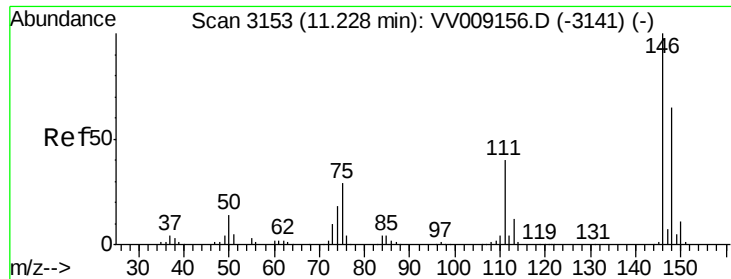
Tgt Ion: 75 Resp: 4928
 Ion Ratio Lower Upper
 75 100
 77 34.8 25.0 37.6



#62
 Bromoform
 Concen: 2.470 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Tgt Ion: 173 Resp: 3201
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.4 57.6
 254 3.0 8.0 12.0#

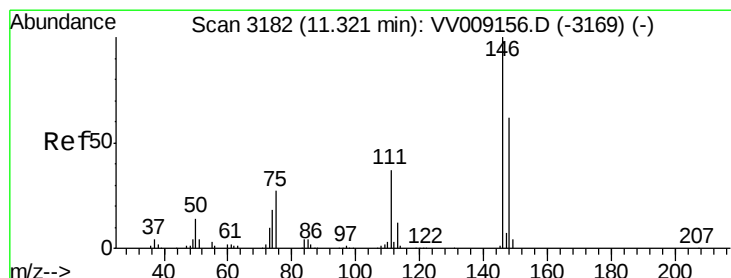
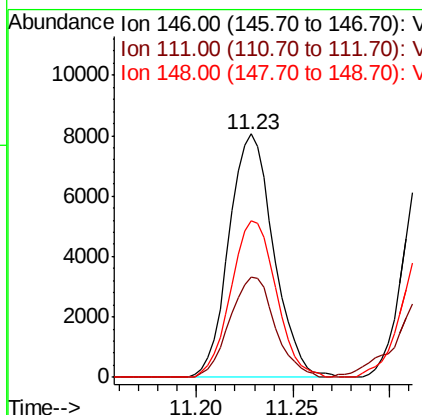
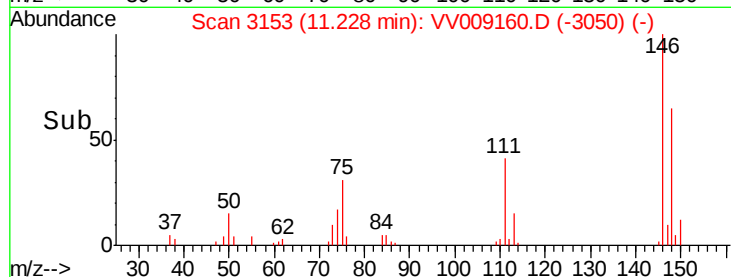
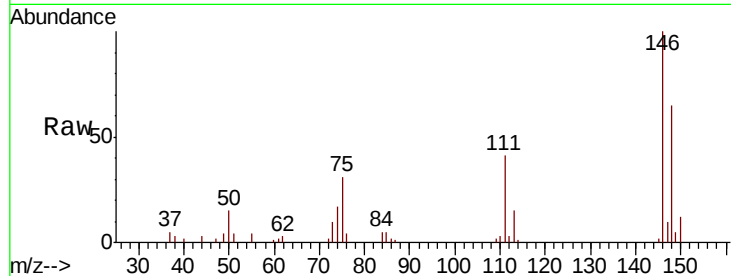




#63
 1,3-Dichlorobenzene
 Concen: 2.791 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

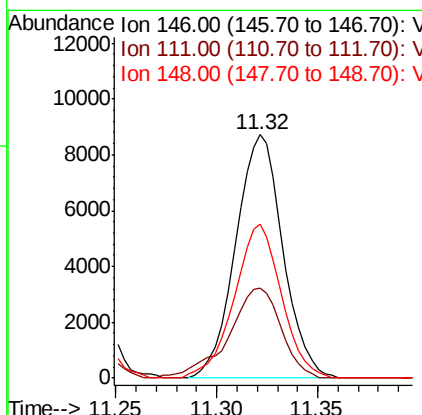
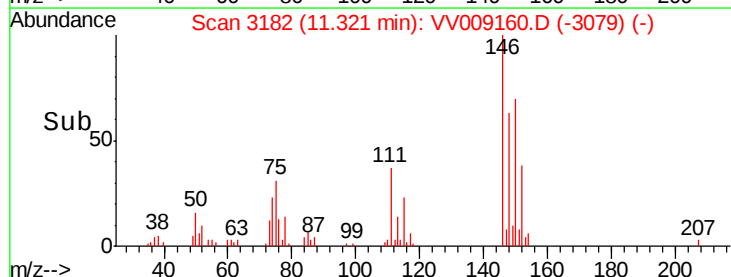
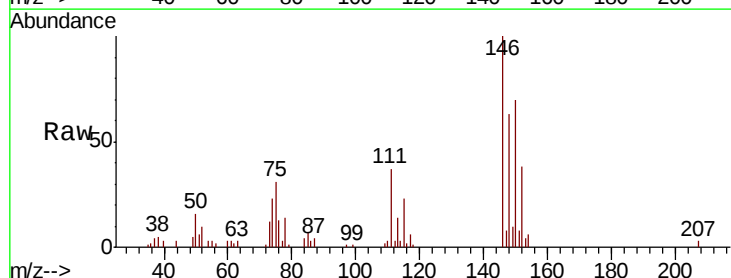
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD2.567

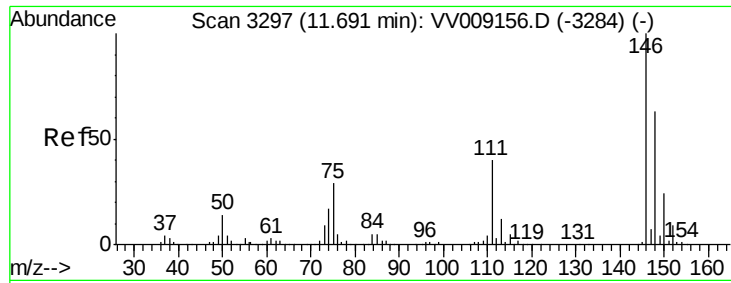
Tgt Ion:146 Resp: 12905
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.0 52.0
 148 64.5 45.6 84.8



#64
 1,4-Dichlorobenzene
 Concen: 2.963 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Tgt Ion:146 Resp: 14281
 Ion Ratio Lower Upper
 146 100
 111 37.0 26.0 48.4
 148 63.1 43.4 80.6





#65

1,2-Dichlorobenzene

Concen: 2.814 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

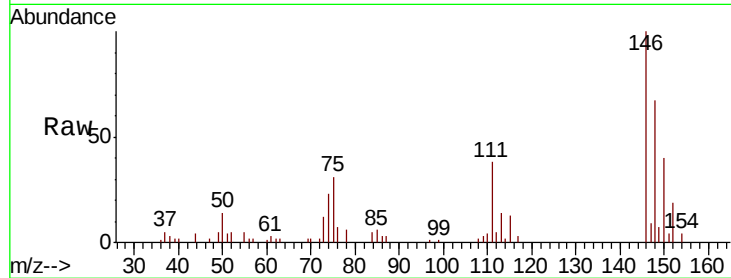
Tgt Ion: 146 Resp: 12394

Ion Ratio Lower Upper

146 100

111 38.1 32.2 48.4

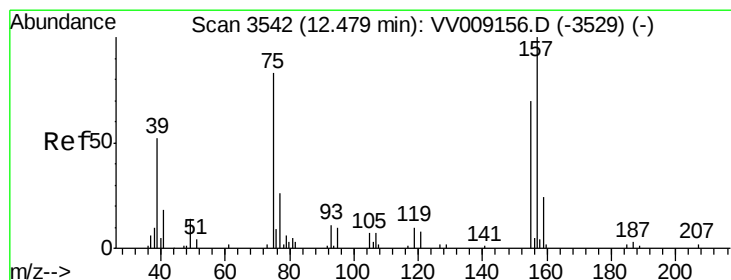
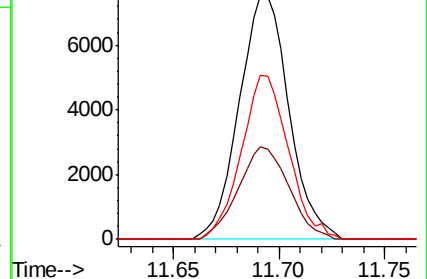
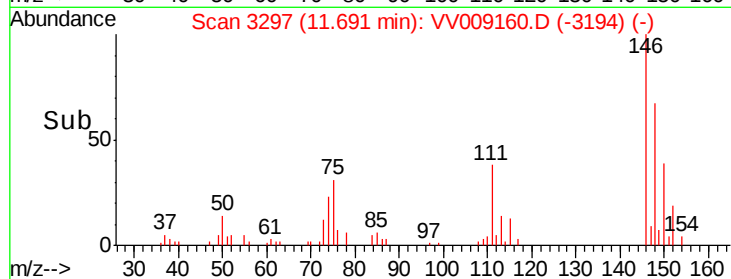
148 67.4 50.4 75.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 2.793 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

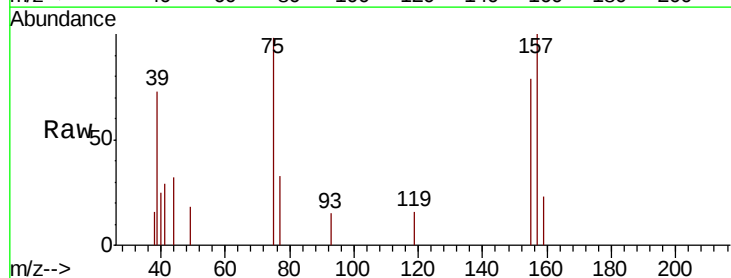
Tgt Ion: 75 Resp: 1277

Ion Ratio Lower Upper

75 100

157 102.1 96.9 145.3

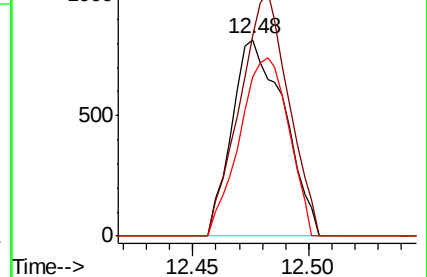
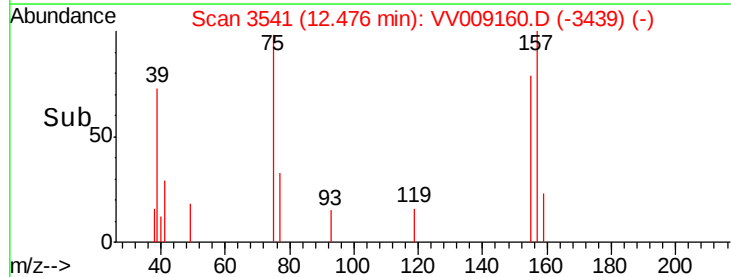
155 81.1 68.0 102.0

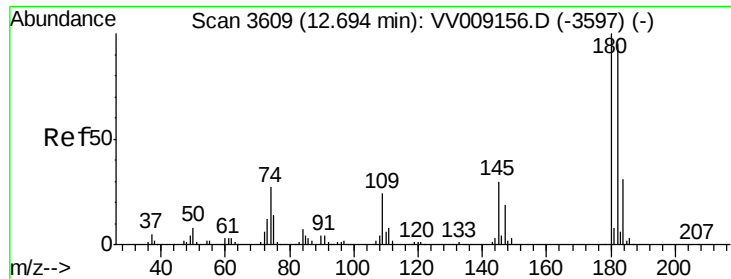


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

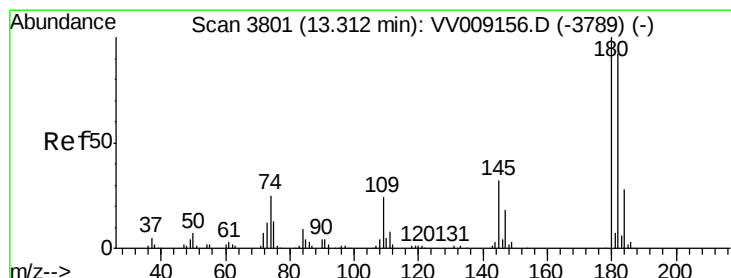
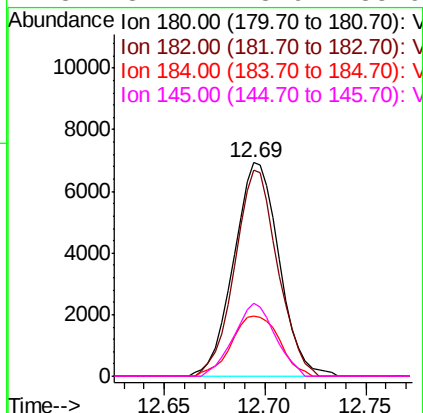
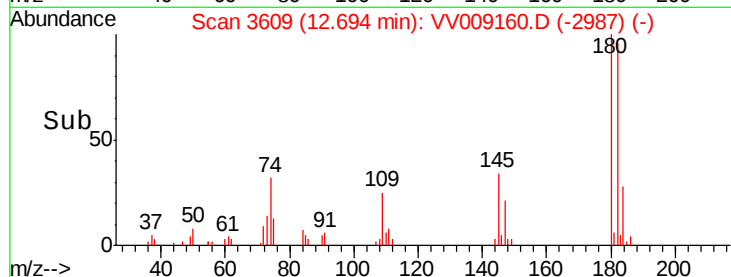
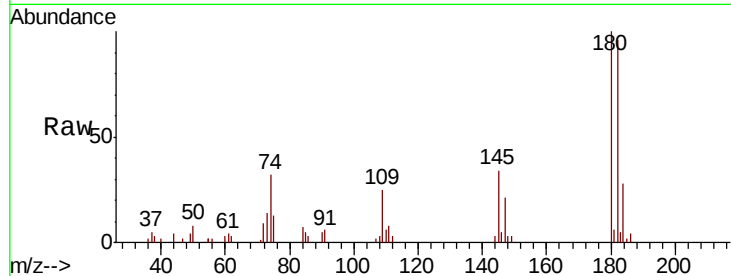




#67
 1,3,5-Trichlorobenzene
 Concen: 2.927 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

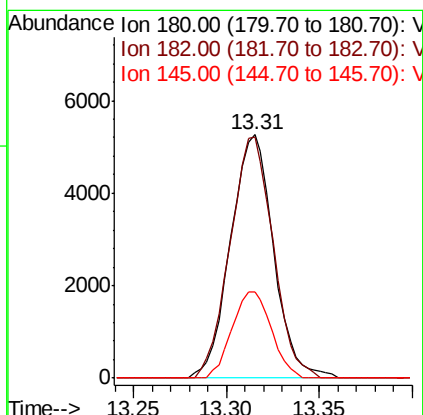
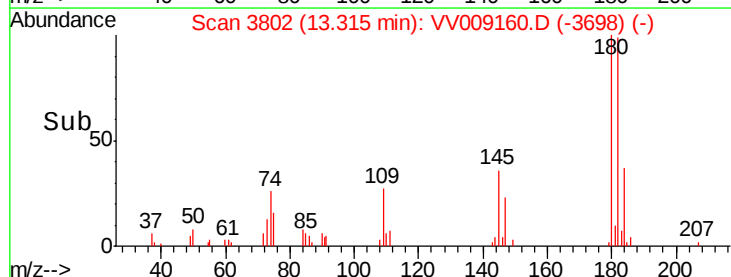
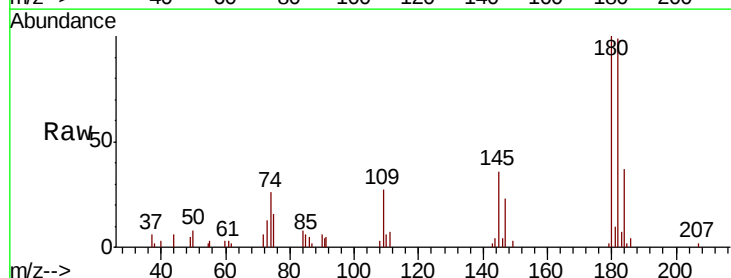
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

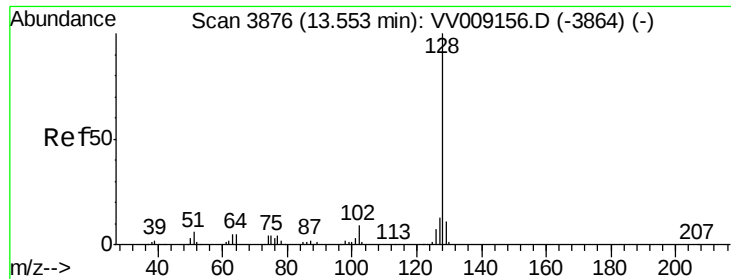
Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.1	75.3	112.9
184	29.9	24.6	37.0
145	31.2	23.9	35.9



#68
 1,2,4-trichlorobenzene
 Concen: 2.789 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	76.2	114.4
145	32.5	25.4	38.0





#69

Naphthalene

Concen: 2.746 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

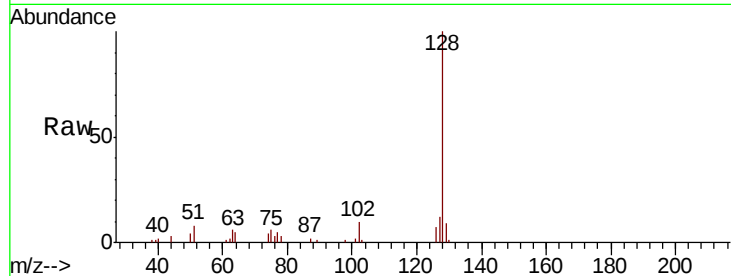
Tgt Ion:128 Resp: 16976

Ion Ratio Lower Upper

128 100

129 9.6 9.0 13.4

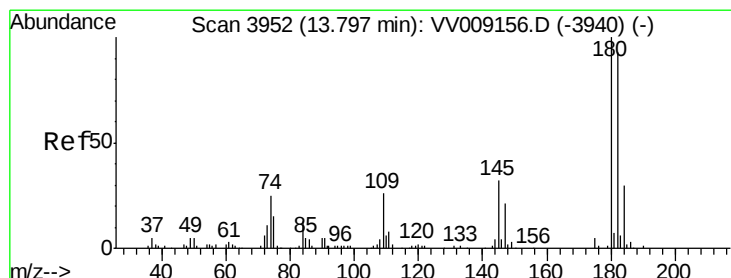
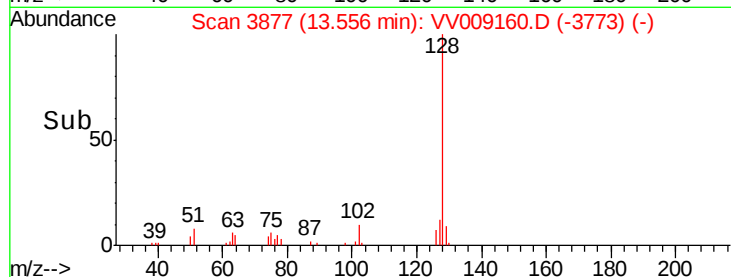
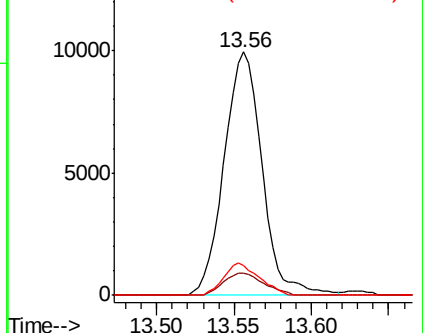
127 12.2 10.4 15.6



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: 2.855 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

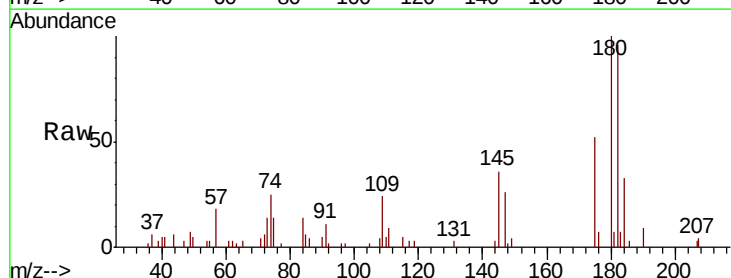
Tgt Ion:180 Resp: 7953

Ion Ratio Lower Upper

180 100

182 94.6 74.4 111.6

145 33.9 25.7 38.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

