

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010419\
 Data File : VV009157.D
 Acq On : 04 Jan 2019 12:10
 Operator : SY/MD
 Sample : VSTD05065
 Misc : 5.00 G/10ML/MSVOA_V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Quant Time: Jan 05 04:24:04 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	195842	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	177375	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	94051	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54300	40.55	ug/L	0.00
7) Chloroethane-d5	1.58	69	55524	42.73	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	193423	43.20	ug/L	0.00
20) 2-Butanone-d5	4.13	46	210	0.23	ug/L	0.16
24) Chloroform-d	4.40	84	179932	43.63	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	100641	45.62	ug/L	0.00
29) Benzene-d6	5.10	84	347968	44.03	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	102053	45.04	ug/L	0.00
37) Toluene-d8	7.36	98	329172	44.16	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	49714	46.24	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	53687	100.39	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	117316	47.11	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	128240	40.34	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	141168	44.843 ug/L	98
3) Chloromethane	1.25	50	93681	43.938 ug/L	98
5) Vinyl chloride	1.32	62	104877	45.939 ug/L	99
6) Bromomethane	1.54	94	71310	44.344 ug/L	98
8) Chloroethane	1.60	64	64821	46.073 ug/L	97
9) Trichlorofluoromethane	1.77	101	202477	48.376 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	134503	48.253 ug/L	99
12) 1,1-Dichloroethene	2.14	96	115332	47.709 ug/L	96
13) Acetone	2.21	43	116007	86.859 ug/L	97
14) Carbon disulfide	2.32	76	326987	47.337 ug/L	99
15) Methyl Acetate	2.47	43	81389	49.250 ug/L	97
16) Methylene chloride	2.53	84	124243	42.464 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	303456	51.249 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	122684	47.888 ug/L	95
19) 1,1-Dichloroethane	3.23	63	207411	48.753 ug/L	100
21) 2-Butanone	4.04	43	119803	97.536 ug/L	# 88
22) cis-1,2-Dichloroethene	3.96	96	134677	49.175 ug/L	99
23) Bromochloromethane	4.30	128	65011	50.454 ug/L	99
25) Chloroform	4.43	83	222360	49.081 ug/L	98
27) 1,2-Dichloroethane	5.18	62	149387	49.090 ug/L	100
30) Cyclohexane	4.73	56	188756	48.003 ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	212212	49.209 ug/L	100
32) Carbon tetrachloride	4.88	117	196362	49.747 ug/L	99
34) Benzene	5.15	78	469296	49.217 ug/L	100
35) Trichloroethene	5.96	95	133099	48.451 ug/L	99
36) Methylcyclohexane	6.18	83	224431	48.896 ug/L	98
40) 1,2-Dichloropropane	6.22	63	113733	49.486 ug/L	99
41) Bromodichloromethane	6.56	83	163330	51.847 ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	191413	52.558 ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	220539	100.670 ug/L	98

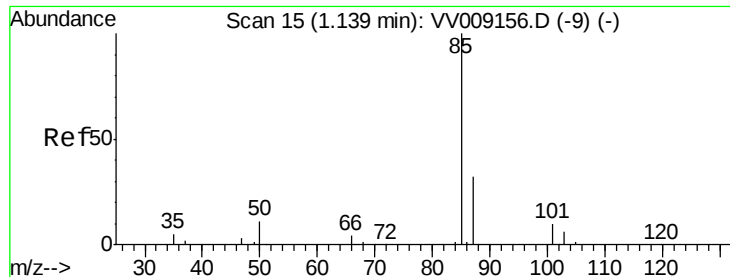
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010419\
 Data File : VV009157.D
 Acq On : 04 Jan 2019 12:10
 Operator : SY/MD
 Sample : VSTD05065
 Misc : 5.00 G/10ML/MSVOA_V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Quant Time: Jan 05 04:24:04 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)
44) Toluene	7.43	91	510020	49.611	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	168376	52.806	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	104612	51.500	ug/L	98
47) Tetrachloroethene	8.02	164	114611	48.157	ug/L	98
49) 2-Hexanone	8.19	43	167189	103.698	ug/L	99
50) Dibromochloromethane	8.29	129	132386	53.050	ug/L	99
51) 1,2-Dibromoethane	8.40	107	108467	51.066	ug/L	96
52) Chlorobenzene	8.93	112	342433	48.546	ug/L	99
53) Ethylbenzene	9.06	91	579196	49.818	ug/L	99
54) m,p-Xylene	9.18	106	225108	49.696	ug/L	99
55) o-xylene	9.59	106	213086	50.876	ug/L	99
56) Styrene	9.60	104	363380	51.438	ug/L	100
57) Isopropylbenzene	9.98	105	585781	50.408	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	142906	52.508	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	112373	51.657	ug/L	98
62) Bromoform	9.78	173	87474	52.663	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	278305	46.964	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	282813	45.784	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	264480	46.853	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	30740	52.454	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	223238	46.710	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	189621	48.745	ug/L	99
69) Naphthalene	13.55	128	423606	53.462	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	175536	49.170	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 44.843 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Instrument :

MSVOA_V

ClientSampleId :

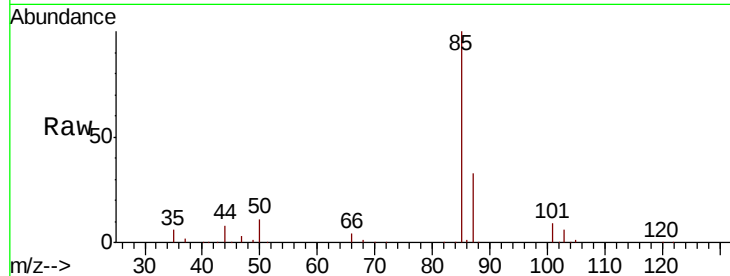
VSTD05065

Tgt Ion: 85 Resp: 141168

Ion Ratio Lower Upper

85 100

87 33.1 22.5 41.7



Abundance Ion 85.00 (84.70 to 85.70): VV009157.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV009157.D (-1) (-)

1.14

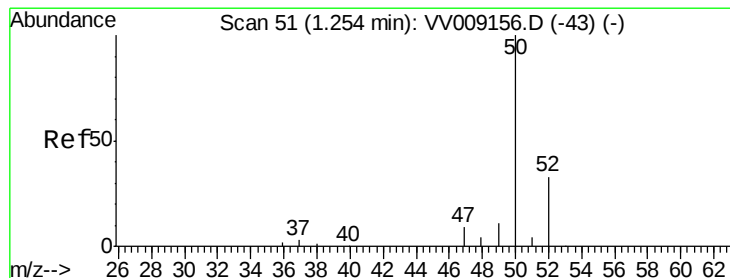
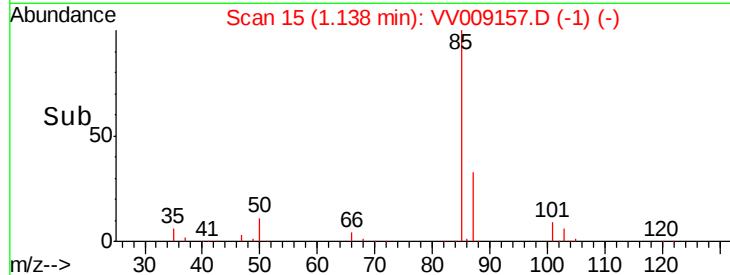
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 43.938 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009157.D

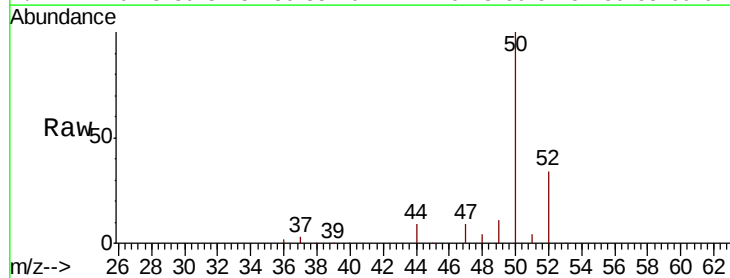
Acq: 04 Jan 2019 12:10

Tgt Ion: 50 Resp: 93681

Ion Ratio Lower Upper

50 100

52 34.0 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV009157.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV009157.D (-1) (-)

1.25

80000

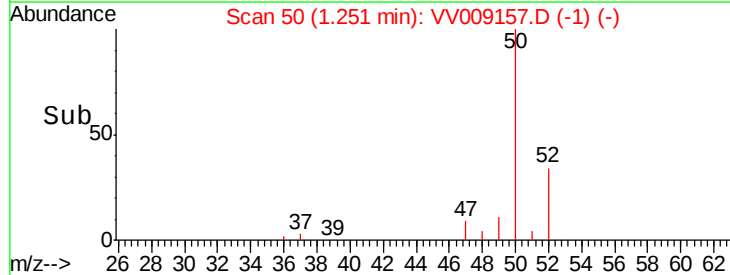
60000

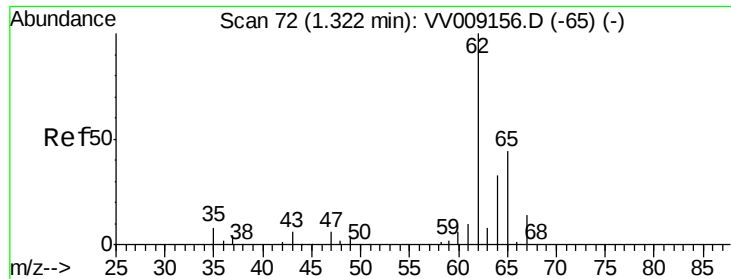
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 45.939 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Instrument :

MSVOA_V

ClientSampleId :

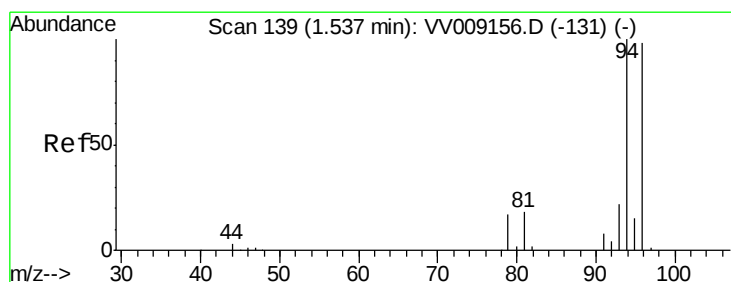
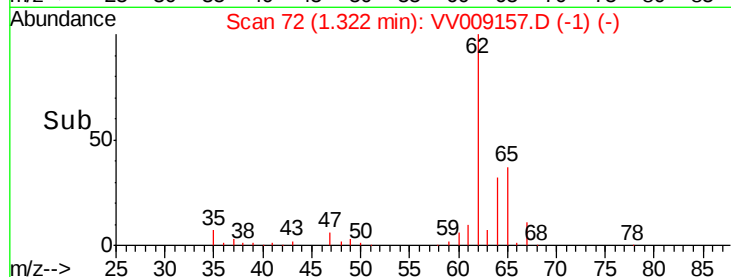
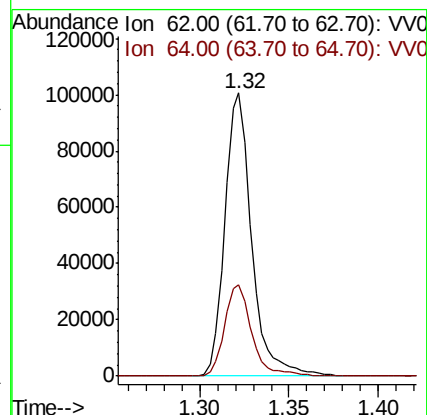
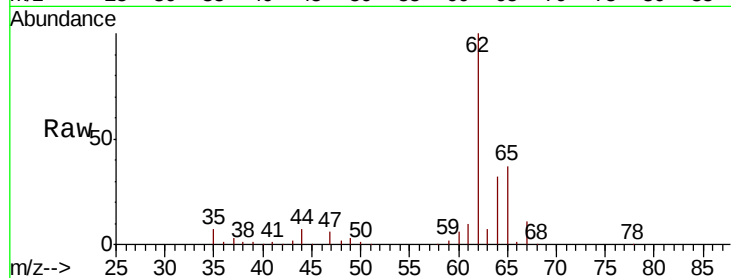
VSTD05065

Tgt Ion: 62 Resp: 104877

Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.6



#6

Bromomethane

Concen: 44.344 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV009157.D

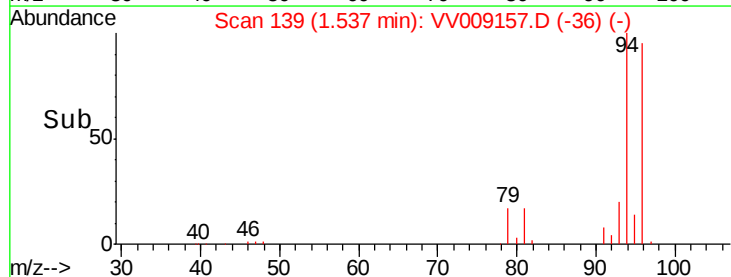
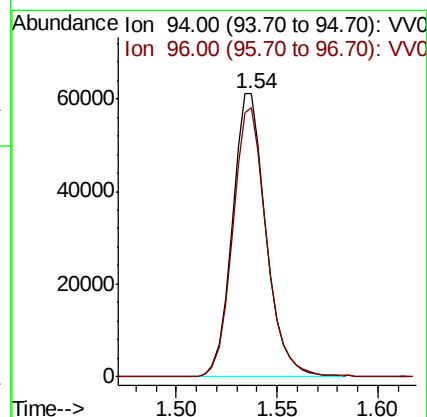
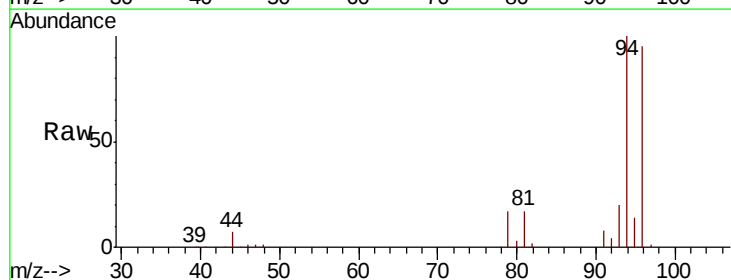
Acq: 04 Jan 2019 12:10

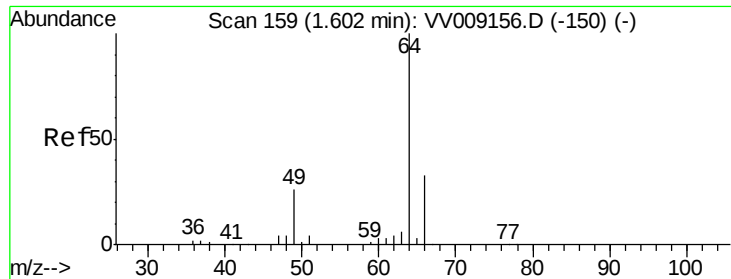
Tgt Ion: 94 Resp: 71310

Ion Ratio Lower Upper

94 100

96 95.9 9.7 185.1





#8

Chloroethane

Concen: 46.073 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Instrument :

MSVOA_V

ClientSampleId :

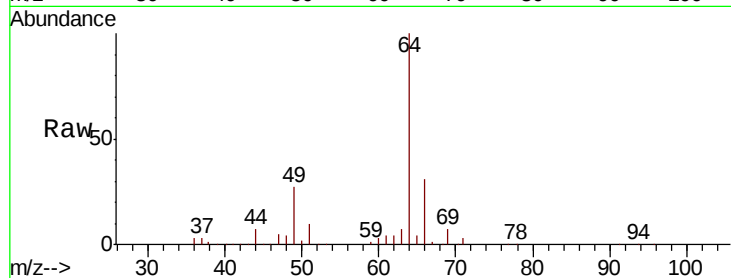
VSTD05065

Tgt Ion: 64 Resp: 64821

Ion Ratio Lower Upper

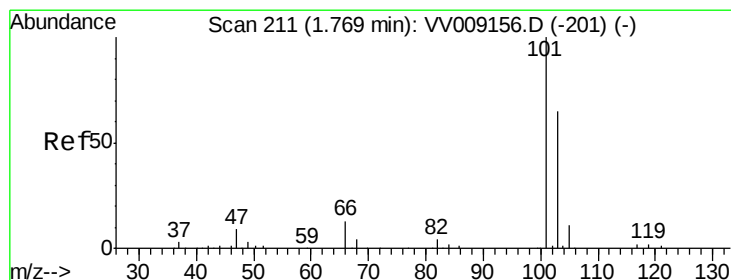
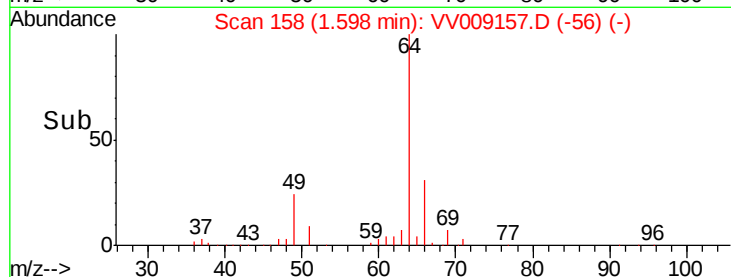
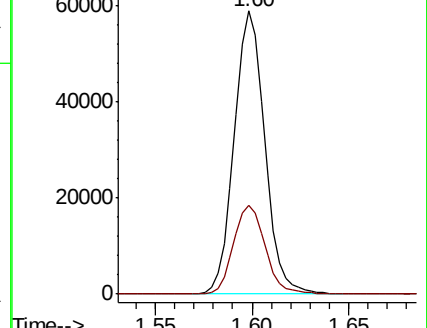
64 100

66 31.5 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV009156.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV009156.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 48.376 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV009157.D

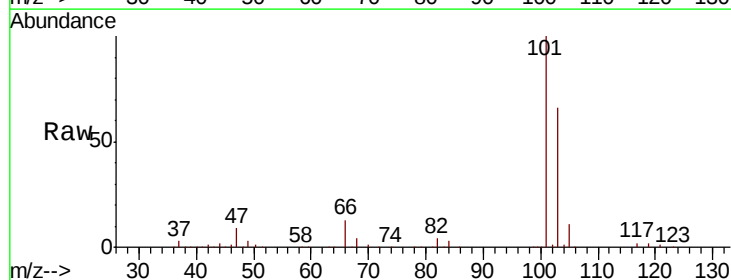
Acq: 04 Jan 2019 12:10

Tgt Ion: 101 Resp: 202477

Ion Ratio Lower Upper

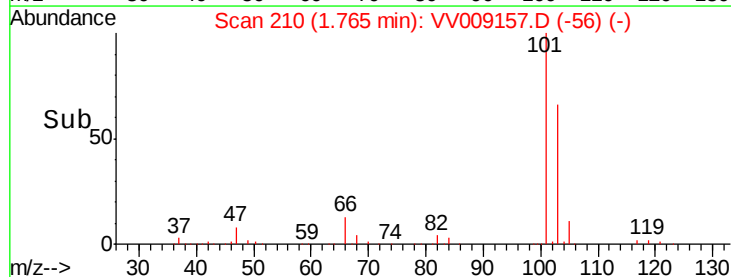
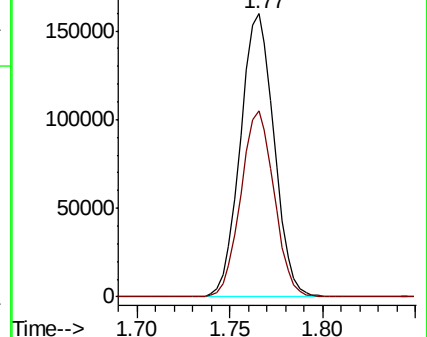
101 100

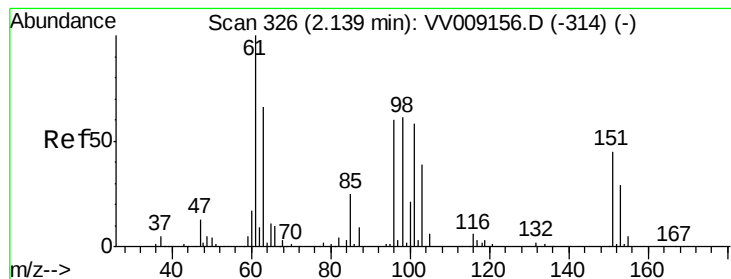
103 64.8 46.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): VV009156.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV009156.D (-201) (-)





#11

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

Concen: 48.253 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Instrument :

MSVOA_V

ClientSampled :

VSTD05065

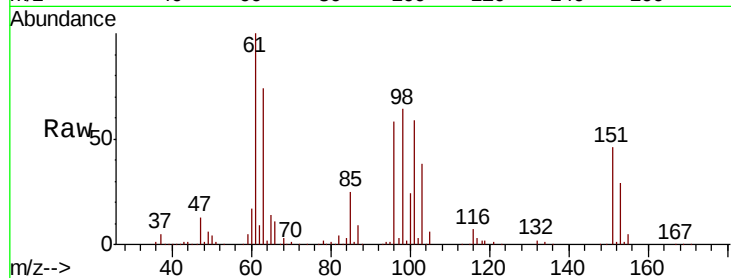
Tgt Ion:101 Resp: 134503

Ion Ratio Lower Upper

101 100

85 42.1 34.6 52.0

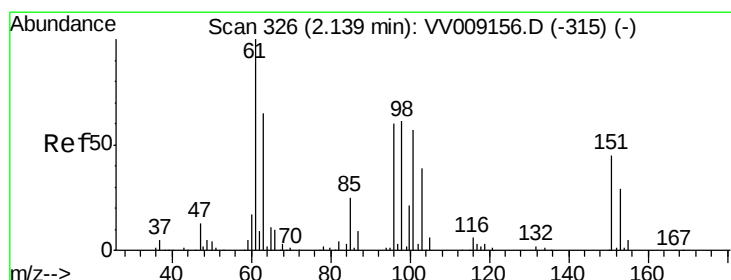
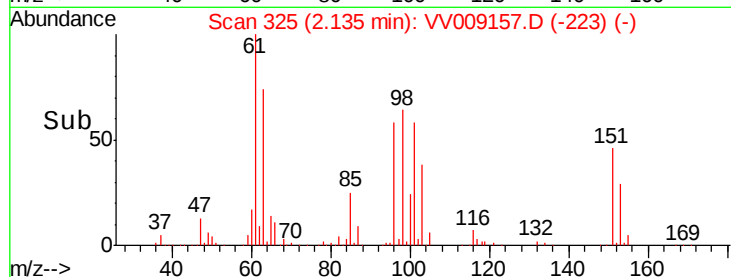
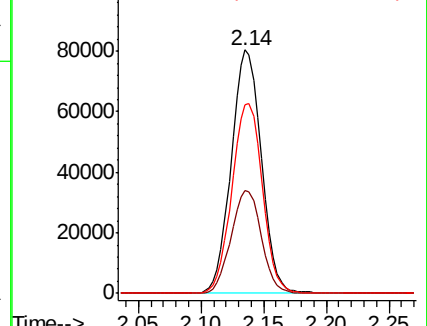
151 78.7 62.6 94.0



Abundance Ion 101.00 (100.70 to 101.70): VV009157.D (-223) (-)

Ion 85.00 (84.70 to 85.70): VV009157.D (-223) (-)

Ion 151.00 (150.70 to 151.70): VV009157.D (-223) (-)



#12

1,1-Dichloroethene

Concen: 47.709 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

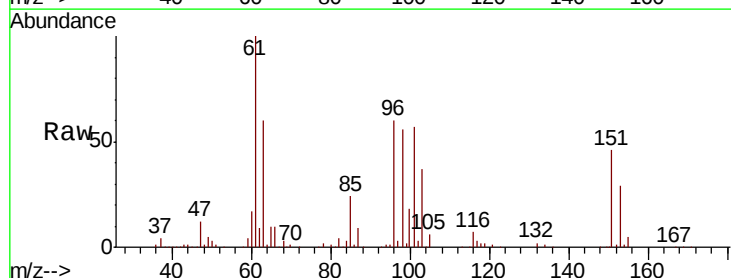
Tgt Ion: 96 Resp: 115332

Ion Ratio Lower Upper

96 100

61 167.2 117.0 217.4

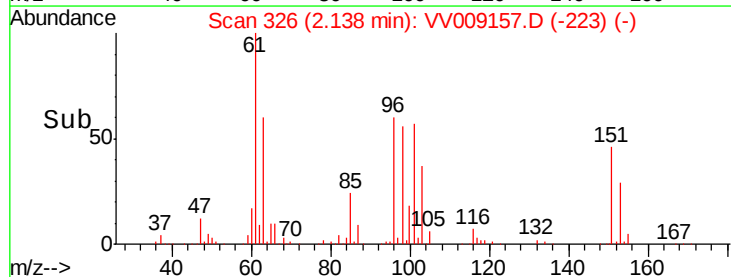
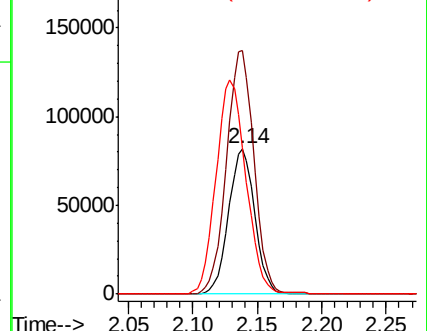
63 100.4 78.2 145.2

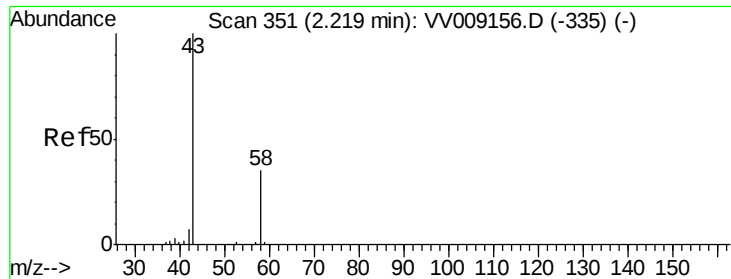


Abundance Ion 96.00 (95.70 to 96.70): VV009157.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV009157.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV009157.D (-223) (-)





#13

Acetone

Concen: 86.859 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Instrument :

MSVOA_V

ClientSampleId :

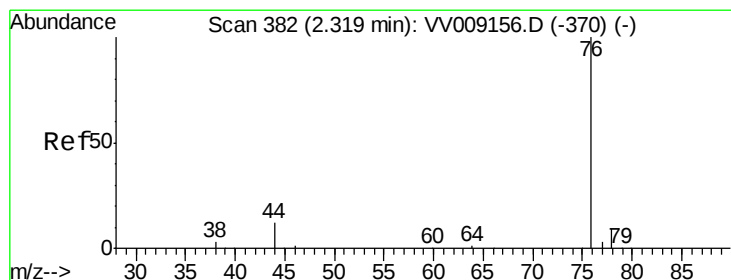
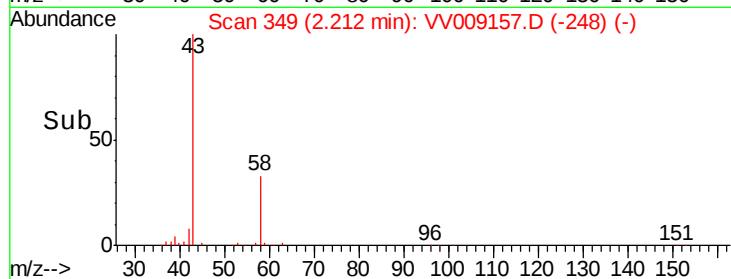
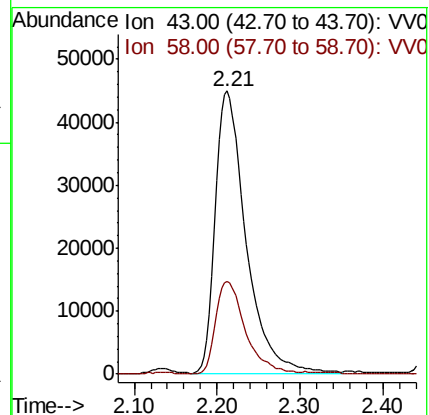
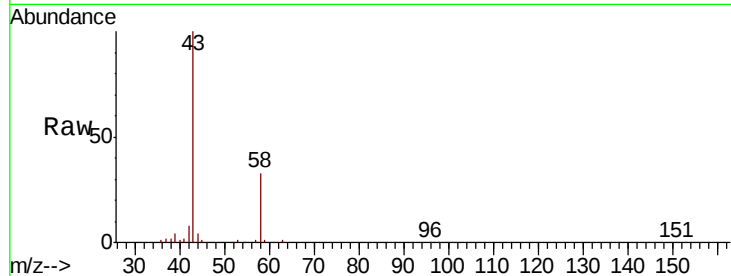
VSTD05065

Tgt Ion: 43 Resp: 116007

Ion Ratio Lower Upper

43 100

58 31.8 0.0 67.0



#14

Carbon disulfide

Concen: 47.337 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009157.D

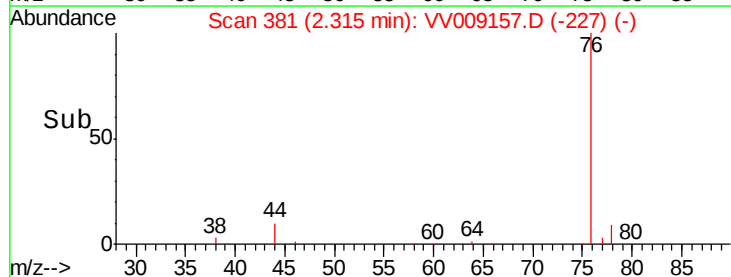
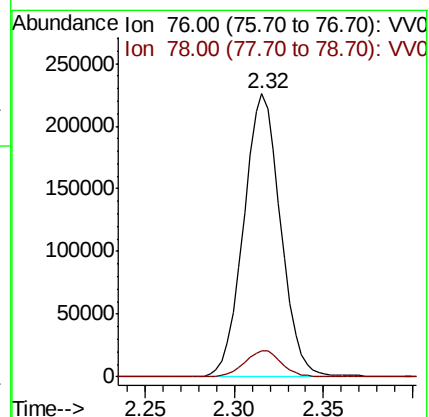
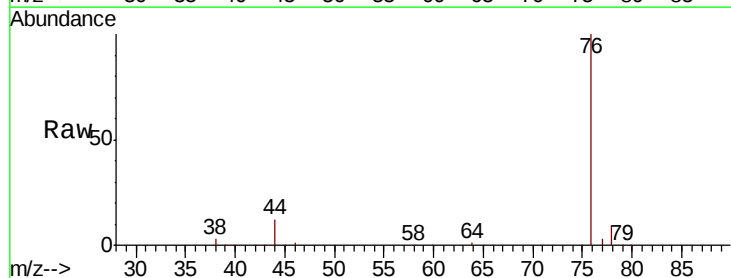
Acq: 04 Jan 2019 12:10

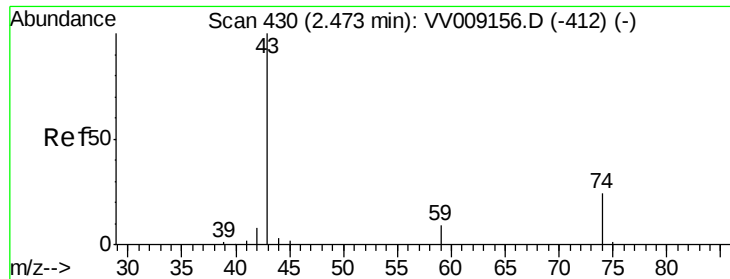
Tgt Ion: 76 Resp: 326987

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

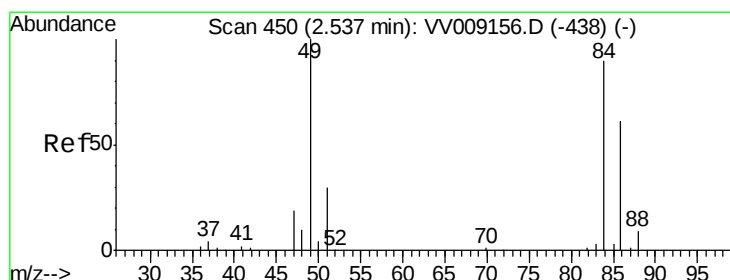
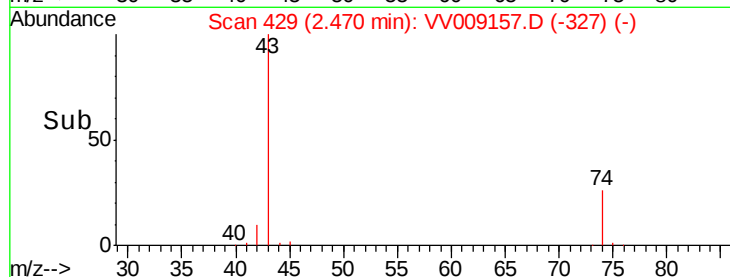
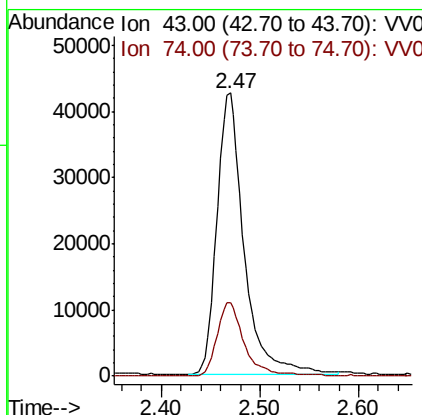
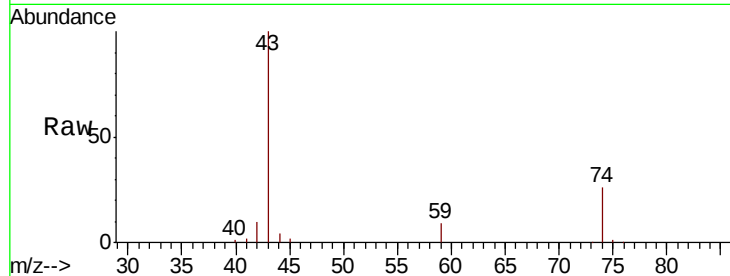




#15
Methyl Acetate
Concen: 49.250 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV009157.D
Acq: 04 Jan 2019 12:10

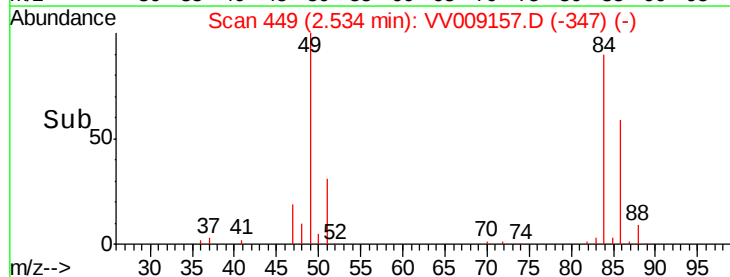
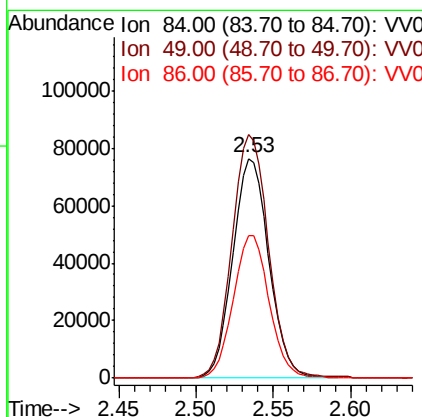
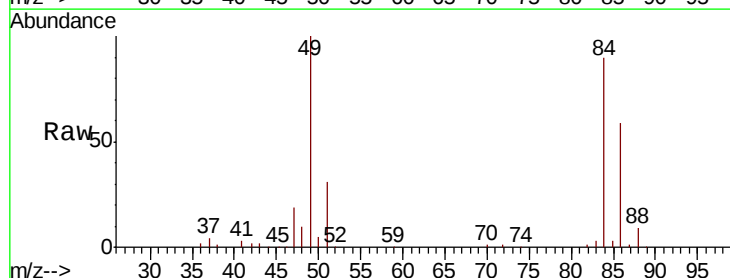
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

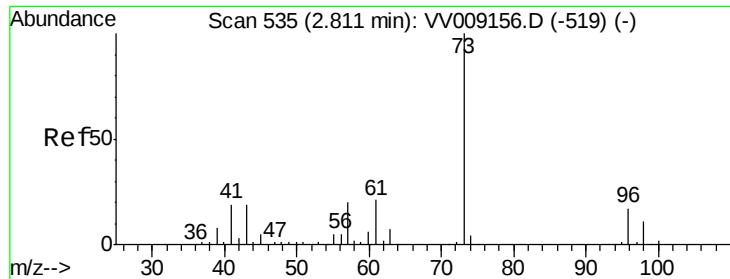
Tgt Ion: 43 Resp: 81389
Ion Ratio Lower Upper
43 100
74 25.9 19.4 29.0



#16
Methylene chloride
Concen: 42.464 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009157.D
Acq: 04 Jan 2019 12:10

Tgt Ion: 84 Resp: 124243
Ion Ratio Lower Upper
84 100
49 110.9 77.6 144.2
86 65.0 47.4 88.0



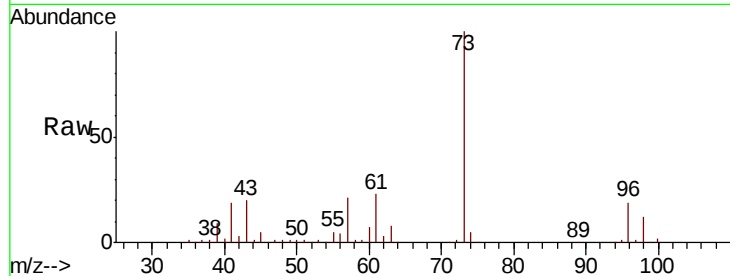


#17

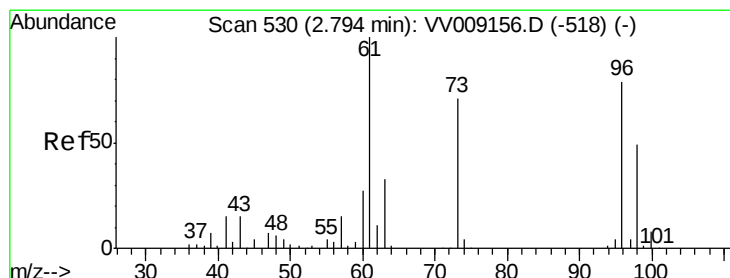
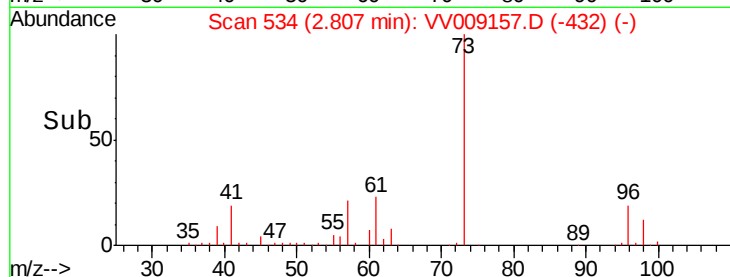
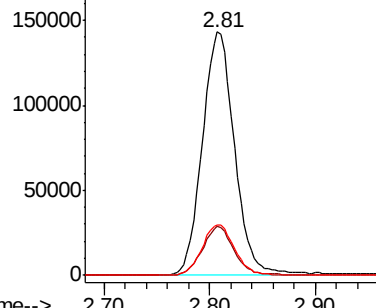
Methyl tert-butyl Ether
 Concen: 51.249 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VV009157.D
 Acq: 04 Jan 2019 12:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Tgt Ion: 73 Resp: 303456
 Ion Ratio Lower Upper
 73 100
 43 19.3 15.4 23.2
 57 21.1 16.2 24.2



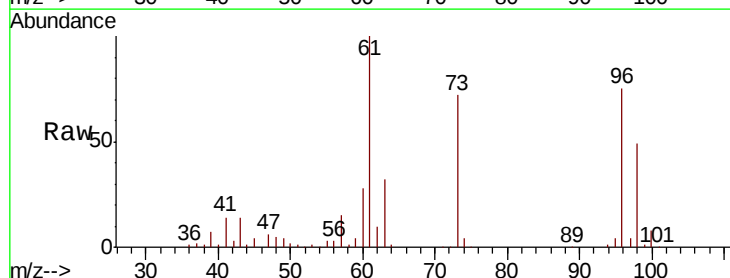
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



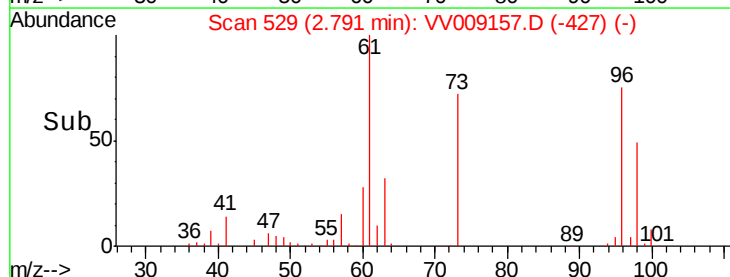
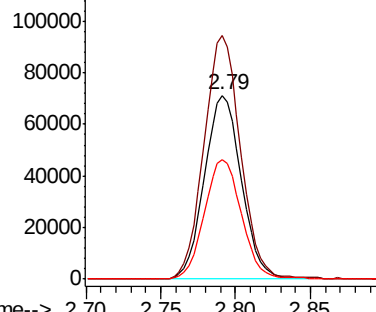
#18

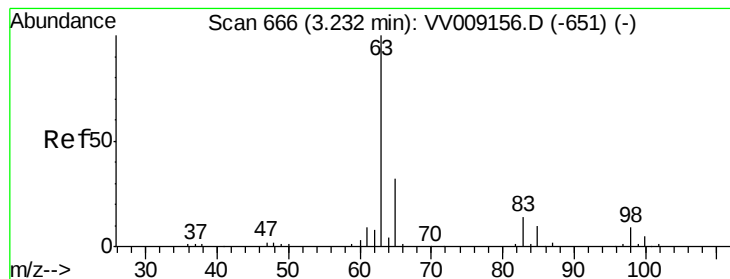
trans-1,2-Dichloroethene
 Concen: 47.888 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV009157.D
 Acq: 04 Jan 2019 12:10

Tgt Ion: 96 Resp: 122684
 Ion Ratio Lower Upper
 96 100
 61 132.6 88.8 164.8
 98 65.4 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: 48.753 ug/L

RT: 3.23 min Scan# 666

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Instrument :

MSVOA_V

ClientSampled :

VSTD05065

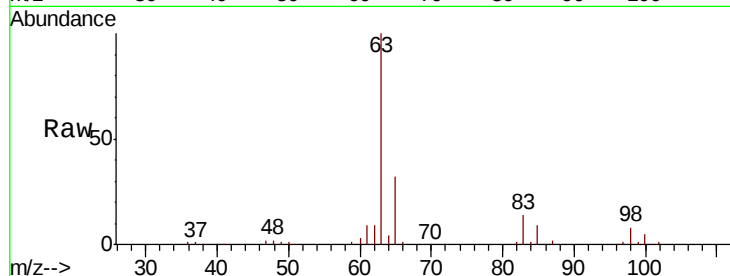
Tgt Ion: 63 Resp: 207411

Ion Ratio Lower Upper

63 100

65 32.2 22.6 42.0

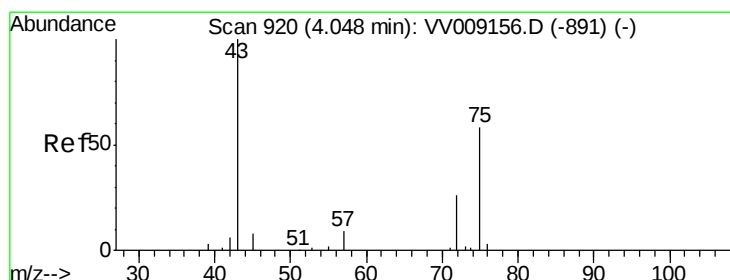
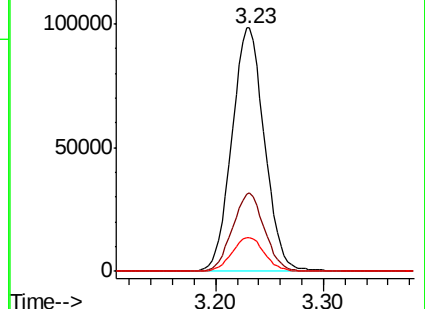
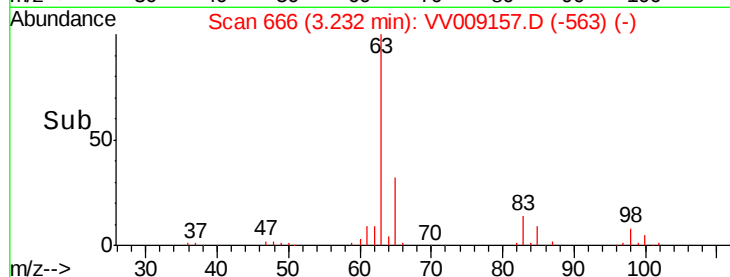
83 13.9 9.9 18.3



Abundance Ion 63.00 (62.70 to 63.70): VV009157.D (-651) (-)

Ion 65.00 (64.70 to 65.70): VV009157.D (-651) (-)

Ion 83.00 (82.70 to 83.70): VV009157.D (-651) (-)



#21

2-Butanone

Concen: 97.536 ug/L

RT: 4.04 min Scan# 917

Delta R.T. -0.01 min

Lab File: VV009157.D

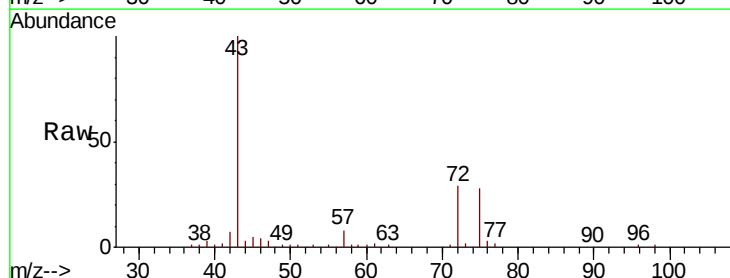
Acq: 04 Jan 2019 12:10

Tgt Ion: 43 Resp: 119803

Ion Ratio Lower Upper

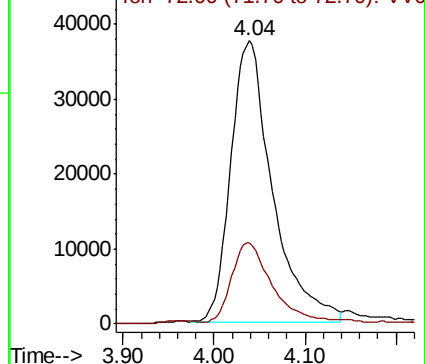
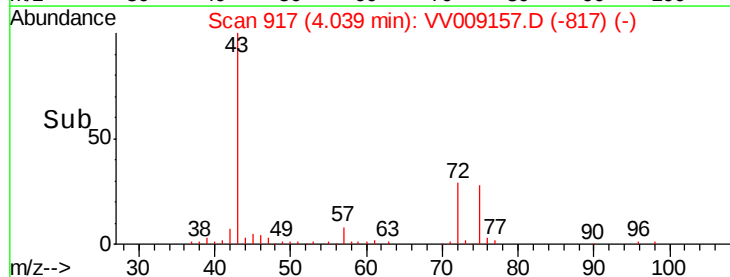
43 100

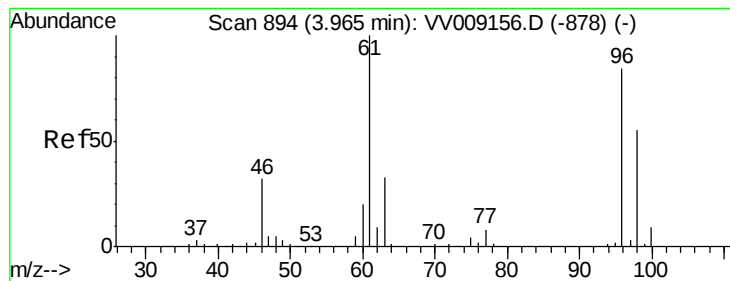
72 27.3 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VV009157.D (-817) (-)

Ion 72.00 (71.70 to 72.70): VV009157.D (-817) (-)





#22

cis-1,2-Dichloroethene

Concen: 49.175 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

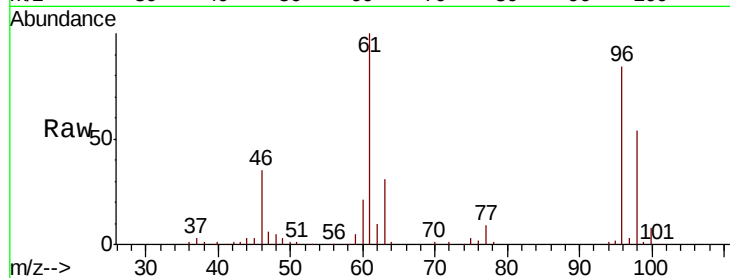
Tgt Ion: 96 Resp: 134677

Ion Ratio Lower Upper

96 100

61 119.3 83.2 154.6

98 64.2 45.8 85.2

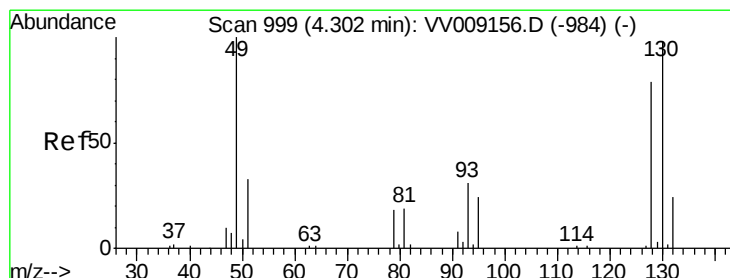
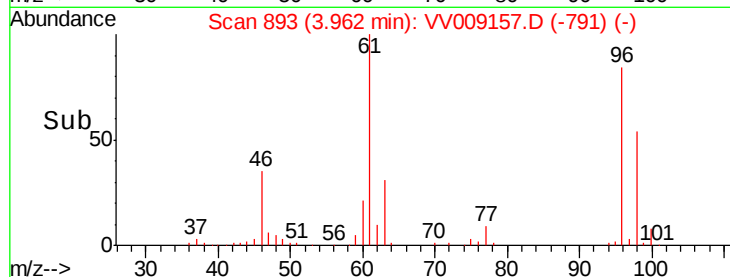
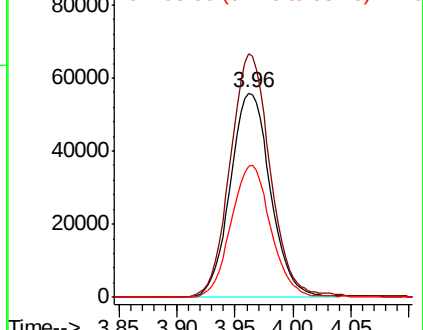


Abundance

Ion 96.00 (95.70 to 96.70): VV009157.D (-791) (-)

Ion 61.00 (60.70 to 61.70): VV009157.D (-791) (-)

Ion 98.00 (97.70 to 98.70): VV009157.D (-791) (-)



#23

Bromochloromethane

Concen: 50.454 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Tgt Ion: 128 Resp: 65011

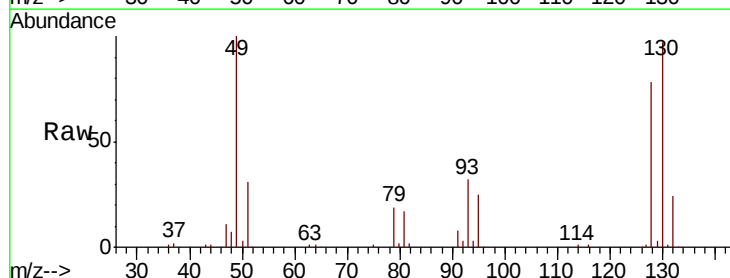
Ion Ratio Lower Upper

128 100

49 127.9 89.9 167.0

130 124.1 87.8 163.2

51 40.1 33.8 50.6



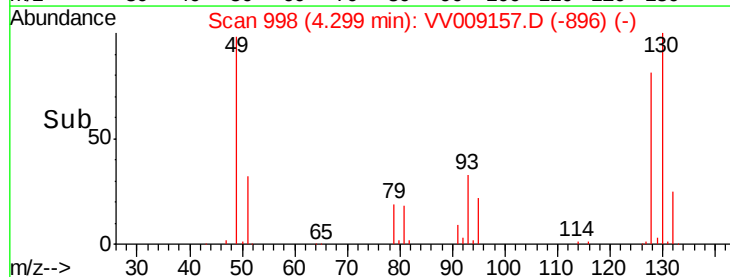
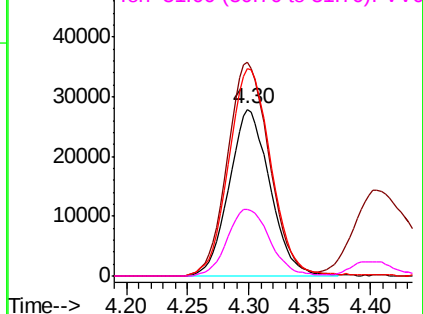
Abundance

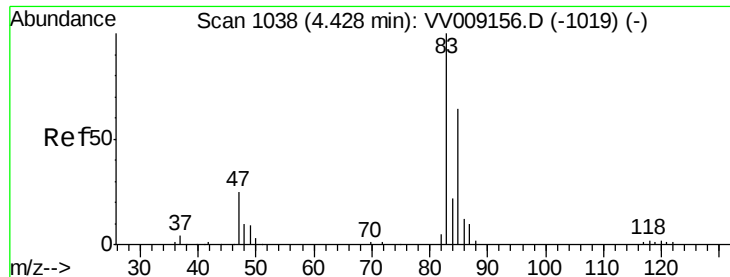
Ion 128.00 (127.70 to 128.70): VV009157.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV009157.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV009157.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV009157.D (-896) (-)

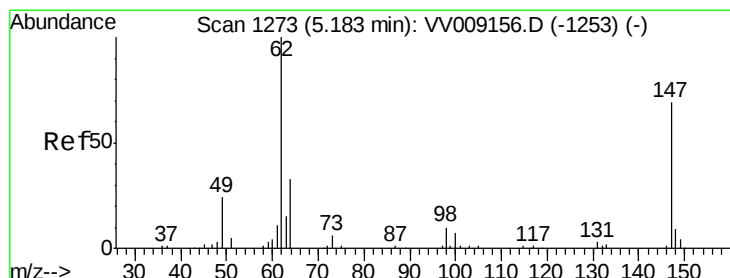
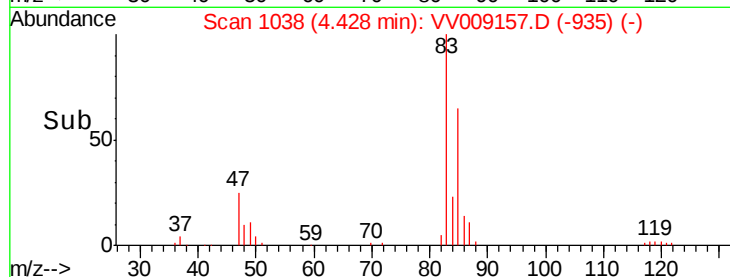
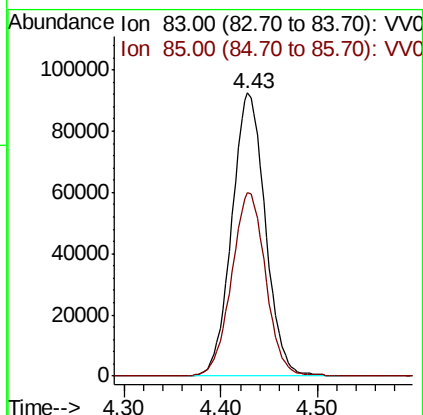
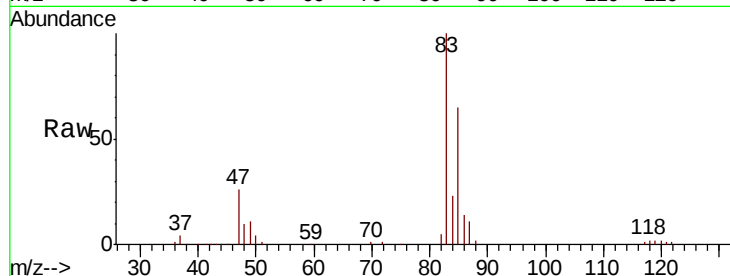




#25
Chloroform
Concen: 49.081 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009157.D
Acq: 04 Jan 2019 12:10

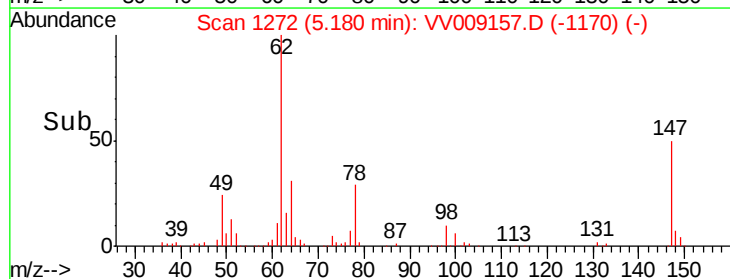
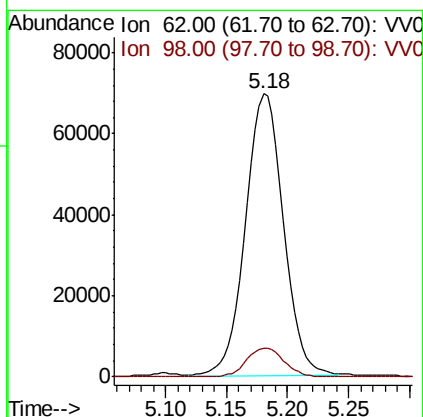
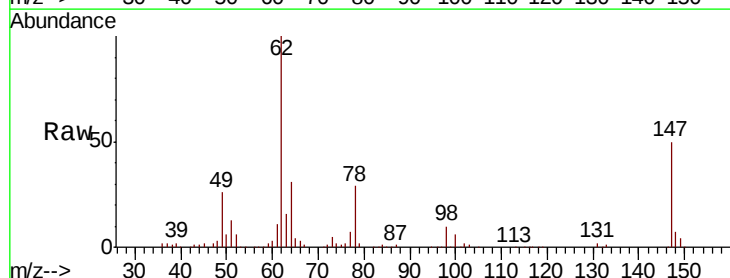
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

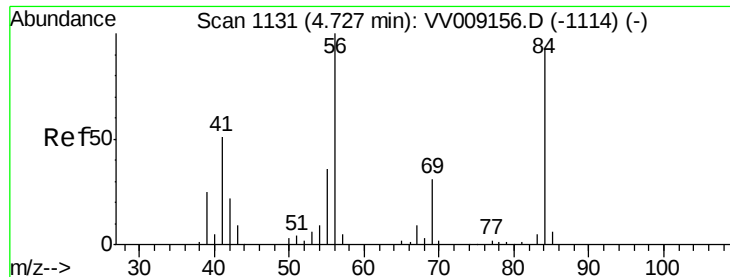
Tgt Ion: 83 Resp: 222360
Ion Ratio Lower Upper
83 100
85 65.9 45.3 84.1



#27
1,2-Dichloroethane
Concen: 49.090 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009157.D
Acq: 04 Jan 2019 12:10

Tgt Ion: 62 Resp: 149387
Ion Ratio Lower Upper
62 100
98 10.0 8.1 12.1

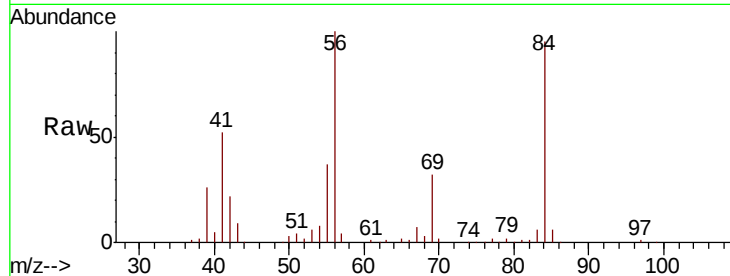




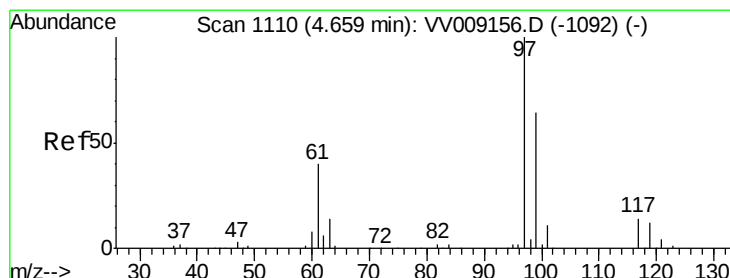
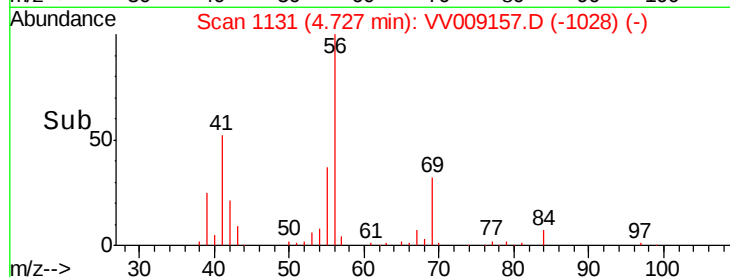
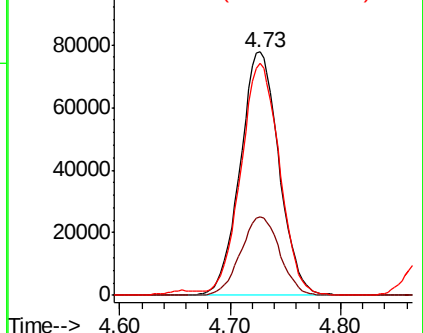
#30
Cyclohexane
Concen: 48.003 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VV009157.D
Acq: 04 Jan 2019 12:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion: 56 Resp: 188756
Ion Ratio Lower Upper
56 100
69 32.5 26.0 39.0
84 95.0 77.0 115.4

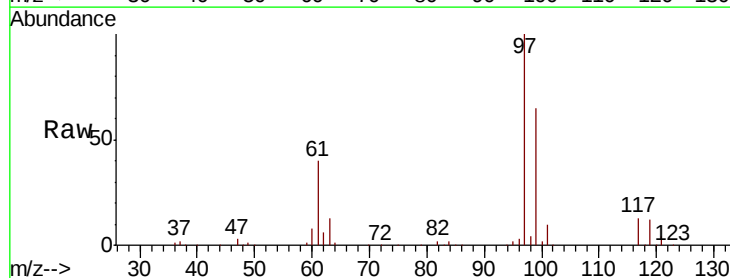


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

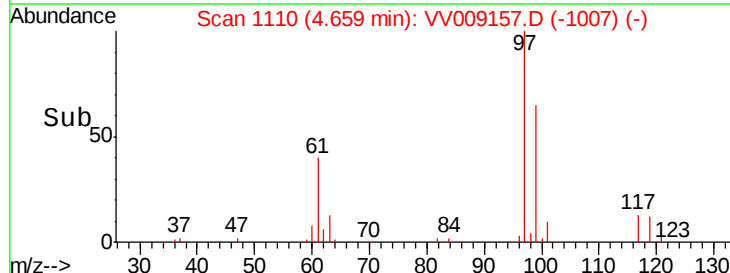
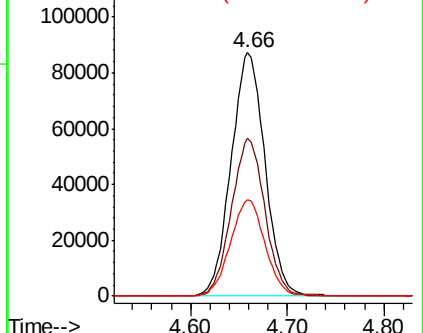


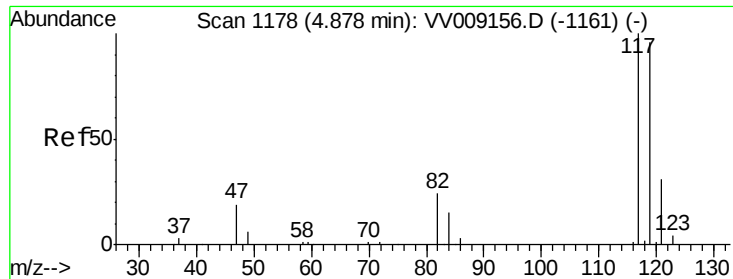
#31
1,1,1-Trichloroethane
Concen: 49.209 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV009157.D
Acq: 04 Jan 2019 12:10

Tgt Ion: 97 Resp: 212212
Ion Ratio Lower Upper
97 100
99 63.9 51.2 76.8
61 40.4 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: 49.747 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Instrument :

MSVOA_V

ClientSampleId :

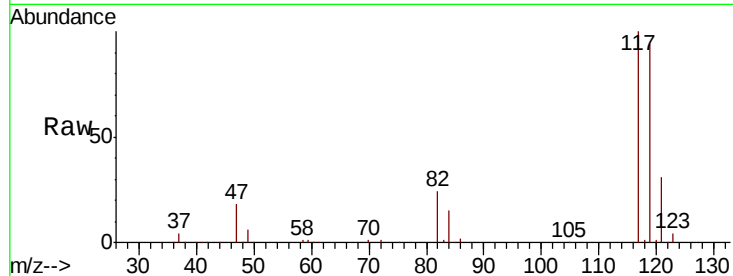
VSTD05065

Tgt Ion:117 Resp: 196362

Ion Ratio Lower Upper

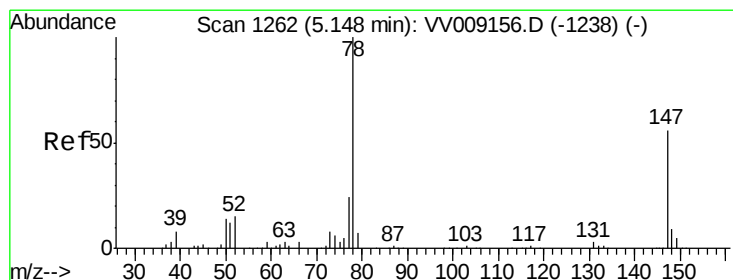
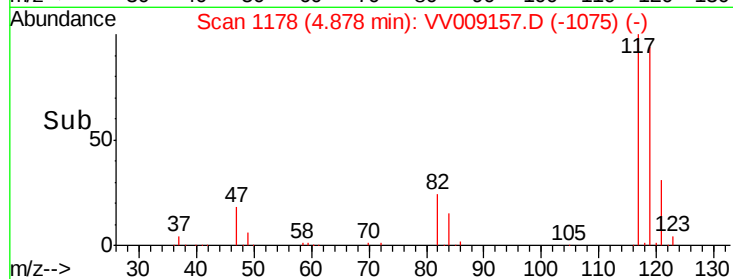
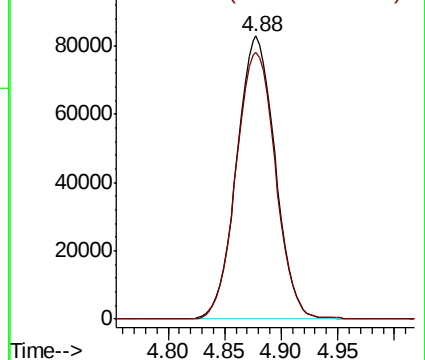
117 100

119 96.6 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: 49.217 ug/L

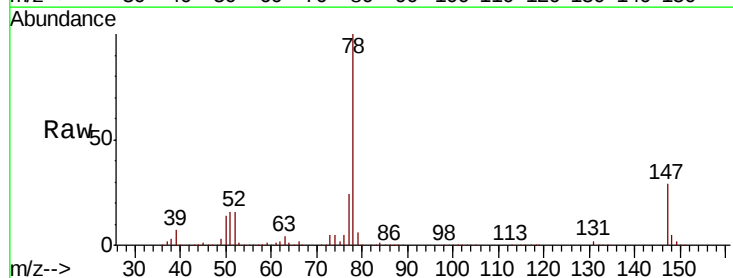
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

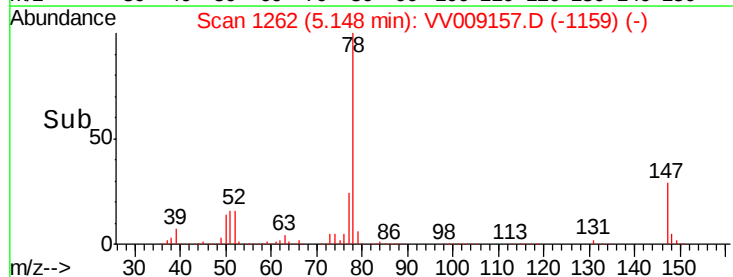
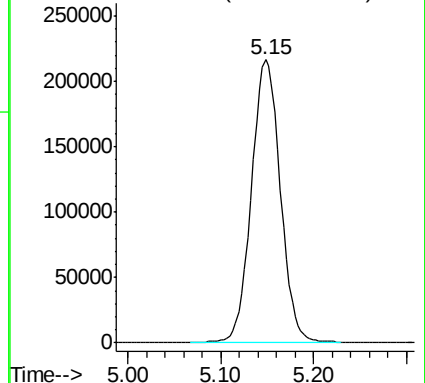
Lab File: VV009157.D

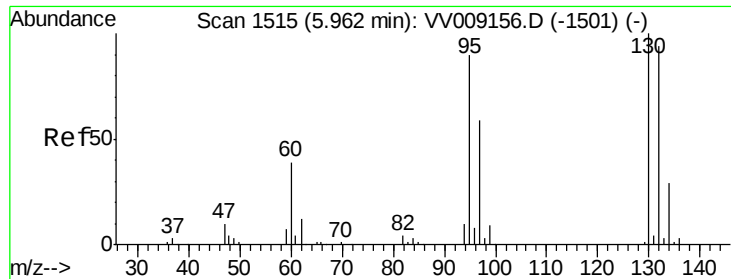
Acq: 04 Jan 2019 12:10

Tgt Ion: 78 Resp: 469296



Abundance Ion 78.00 (77.70 to 78.70): VV0

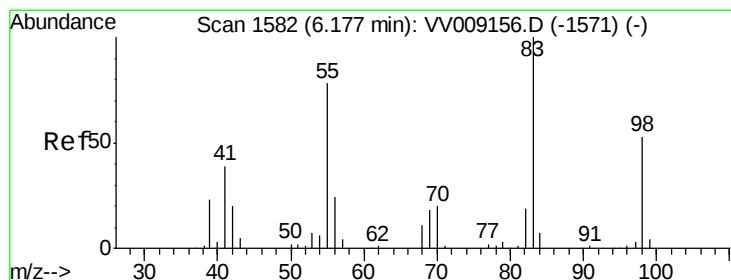
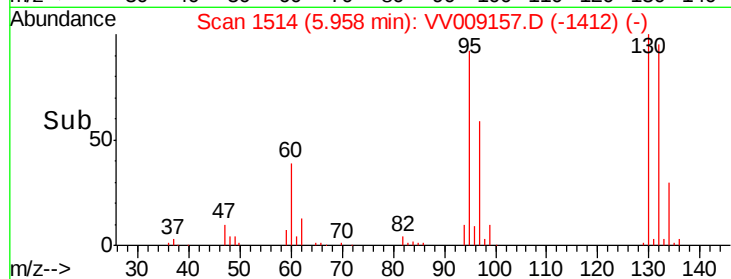
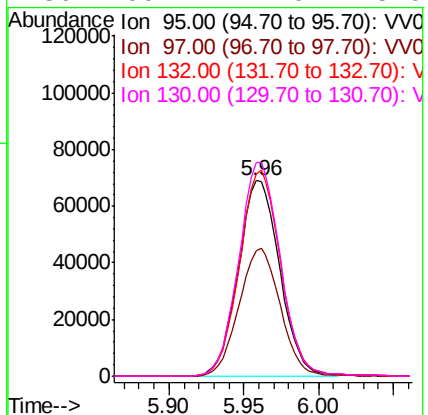
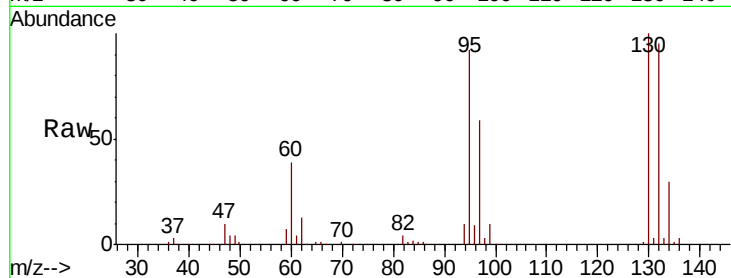




#35
 Trichloroethene
 Concen: 48.451 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009157.D
 Acq: 04 Jan 2019 12:10

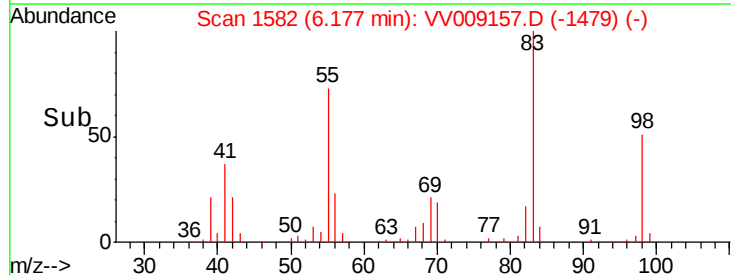
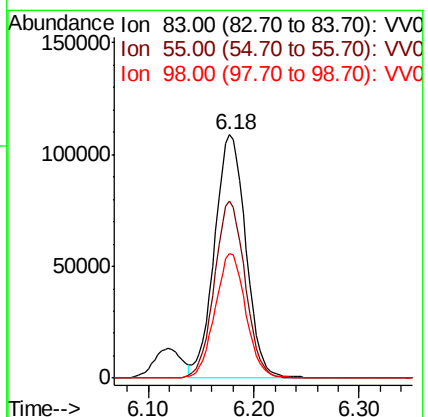
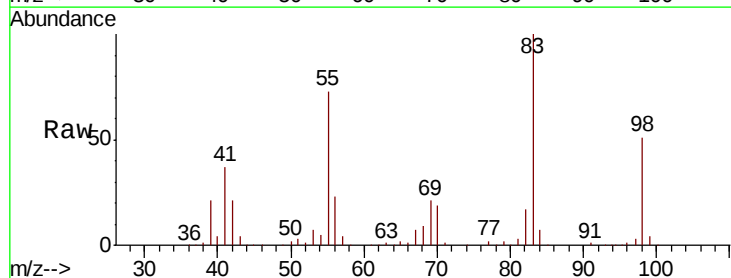
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

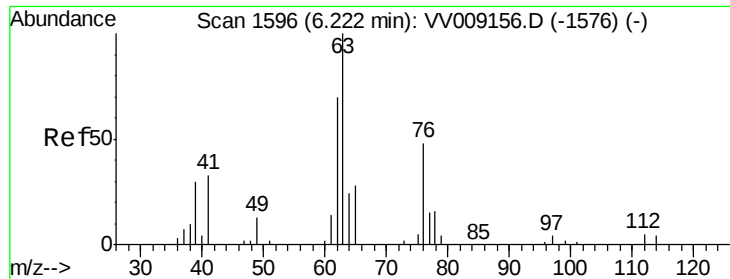
Tgt Ion: 95 Resp: 133099
 Ion Ratio Lower Upper
 95 100
 97 65.1 46.2 85.8
 132 104.4 73.9 137.3
 130 109.1 77.0 143.0



#36
 Methylcyclohexane
 Concen: 48.896 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV009157.D
 Acq: 04 Jan 2019 12:10

Tgt Ion: 83 Resp: 224431
 Ion Ratio Lower Upper
 83 100
 55 71.1 58.5 87.7
 98 50.1 41.4 62.0

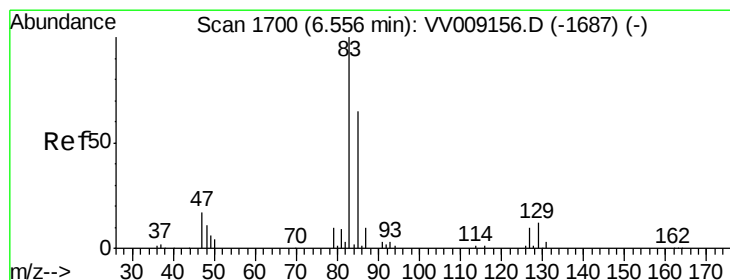
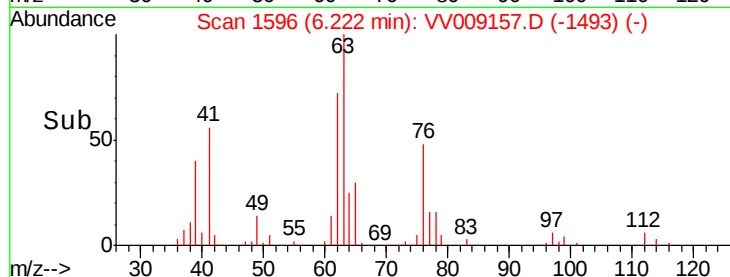
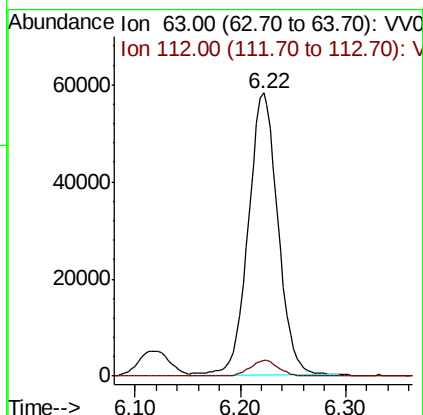
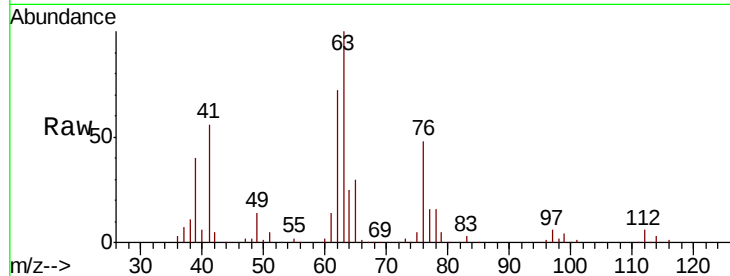




#40
 1,2-Dichloropropane
 Concen: 49.486 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV009157.D
 Acq: 04 Jan 2019 12:10

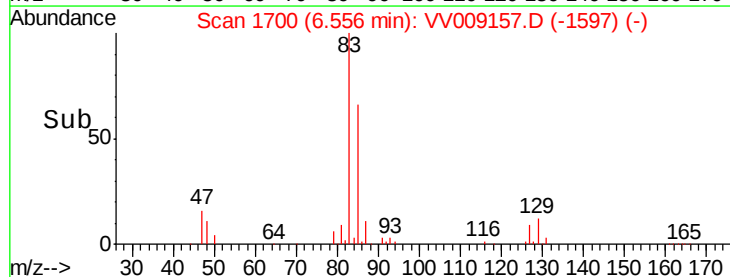
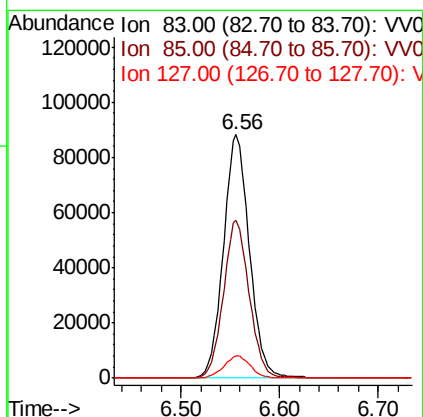
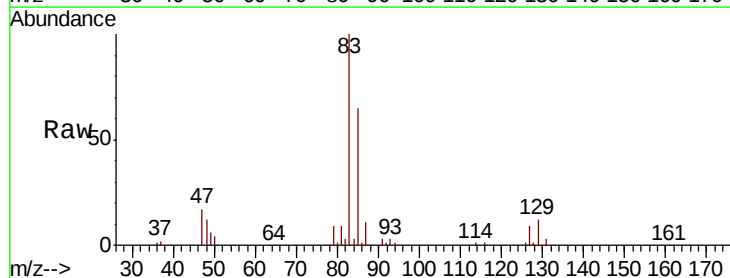
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

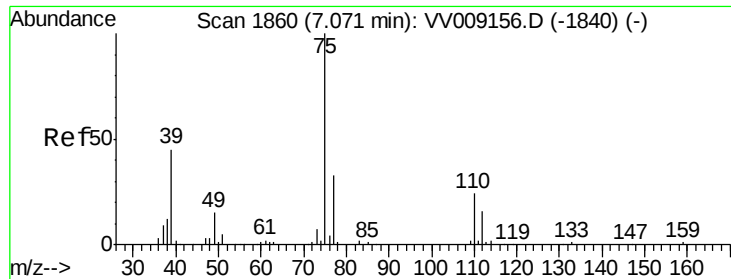
Tgt Ion: 63 Resp: 113733
 Ion Ratio Lower Upper
 63 100
 112 5.3 3.9 5.9



#41
 Bromodichloromethane
 Concen: 51.847 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009157.D
 Acq: 04 Jan 2019 12:10

Tgt Ion: 83 Resp: 163330
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.3 84.1
 127 9.3 7.8 11.6

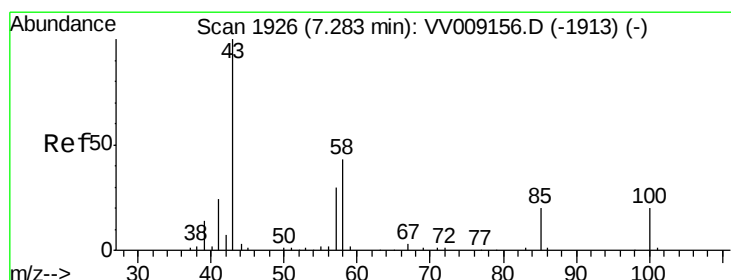
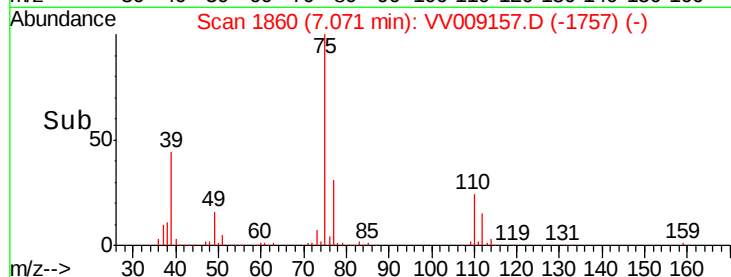
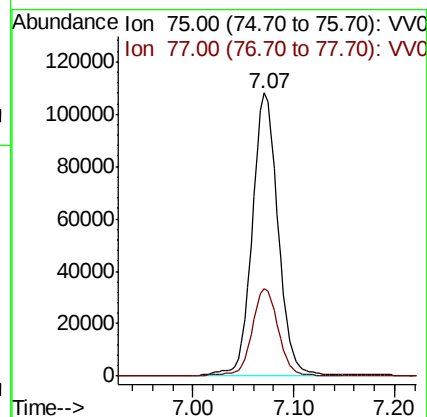
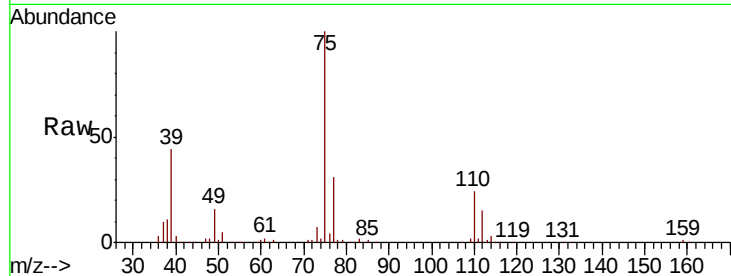




#42
 cis-1,3-Dichloropropene
 Concen: 52.558 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009157.D
 Acq: 04 Jan 2019 12:10

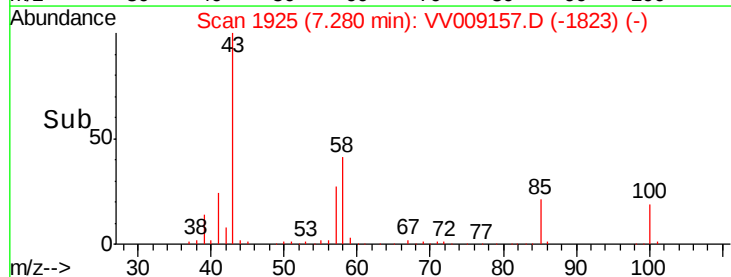
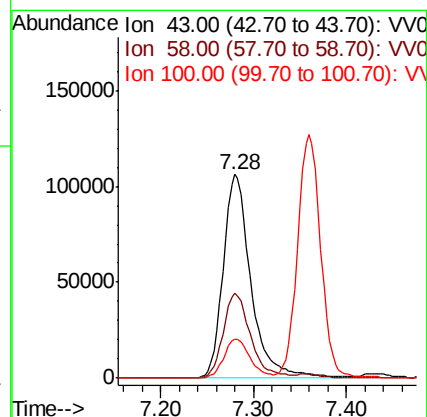
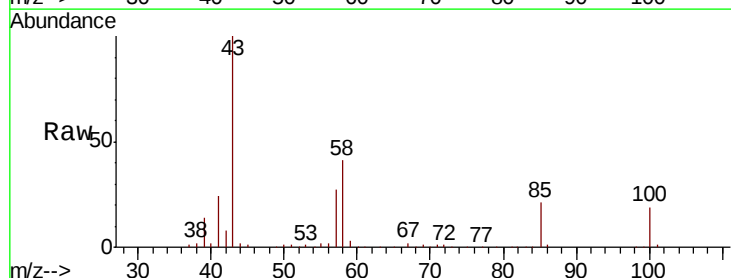
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

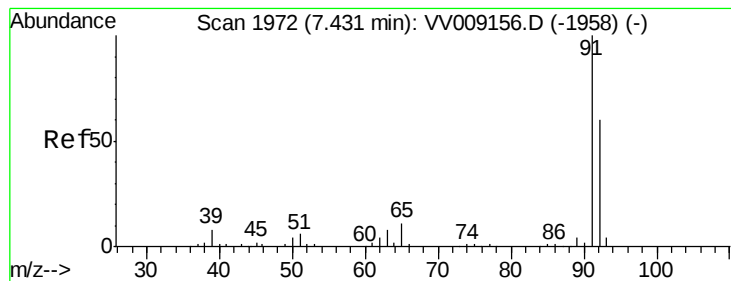
Tgt Ion: 75 Resp: 191413
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.8 42.4



#43
 4-Methyl-2-pentanone
 Concen: 100.670 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV009157.D
 Acq: 04 Jan 2019 12:10

Tgt Ion: 43 Resp: 220539
 Ion Ratio Lower Upper
 43 100
 58 40.7 33.4 50.2
 100 18.3 15.2 22.8





#44

Toluene

Concen: 49.611 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Instrument :

MSVOA_V

ClientSampleId :

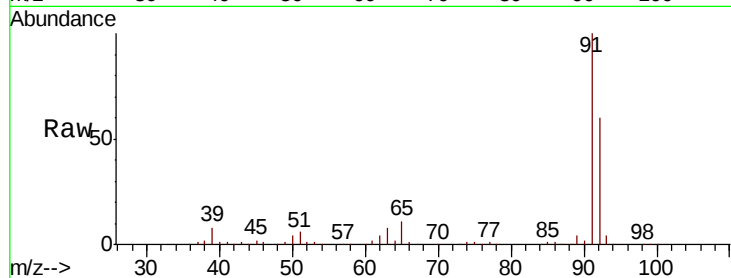
VSTD05065

Tgt Ion: 91 Resp: 510020

Ion Ratio Lower Upper

91 100

92 59.8 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV009157.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV009157.D (-1869) (-)

7.43

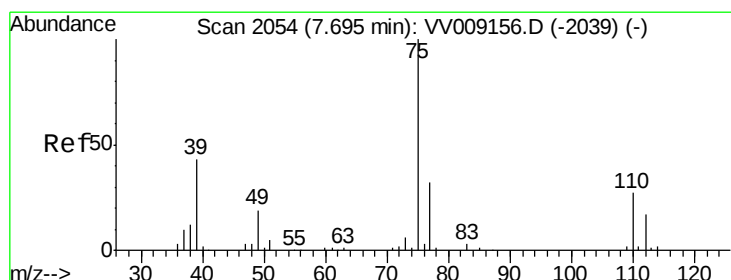
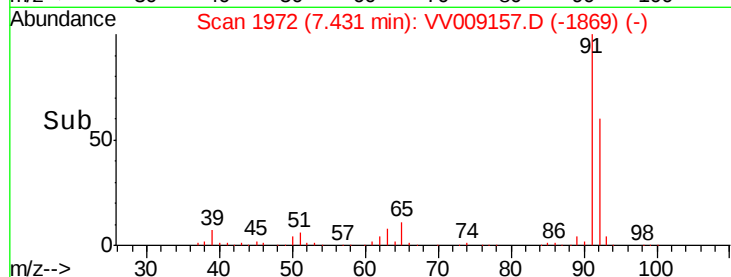
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 52.806 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009157.D

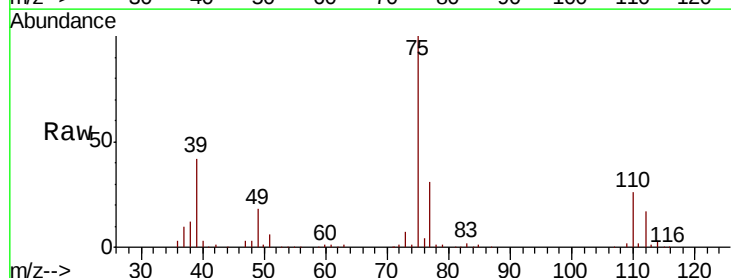
Acq: 04 Jan 2019 12:10

Tgt Ion: 75 Resp: 168376

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV009157.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VV009157.D (-1951) (-)

7.69

100000

80000

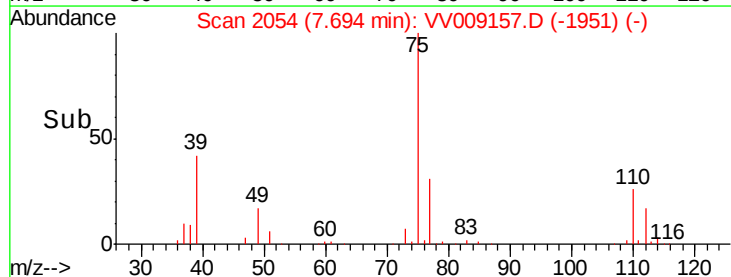
60000

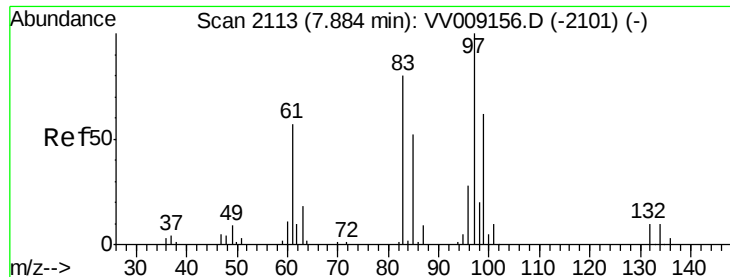
40000

20000

0

Time-->

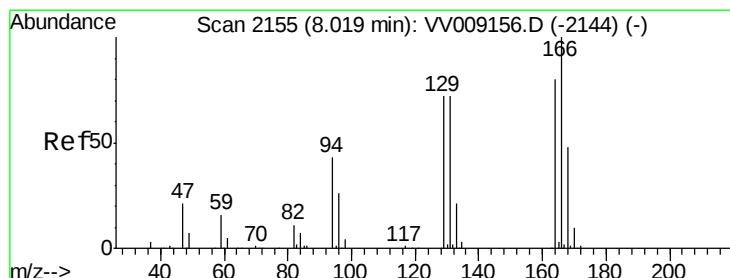
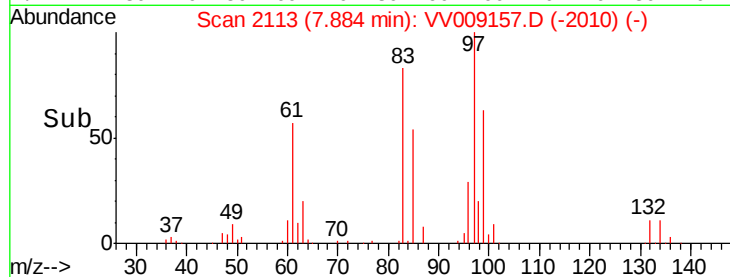
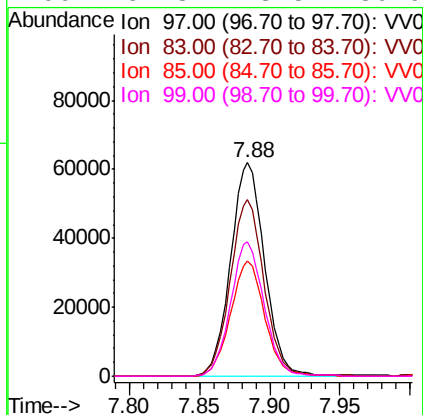
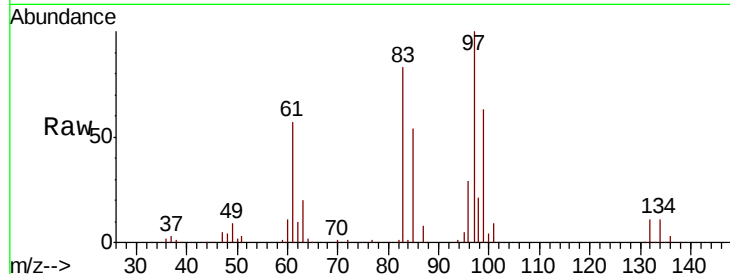




#46
 1,1,2-Trichloroethane
 Concen: 51.500 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009157.D
 Acq: 04 Jan 2019 12:10

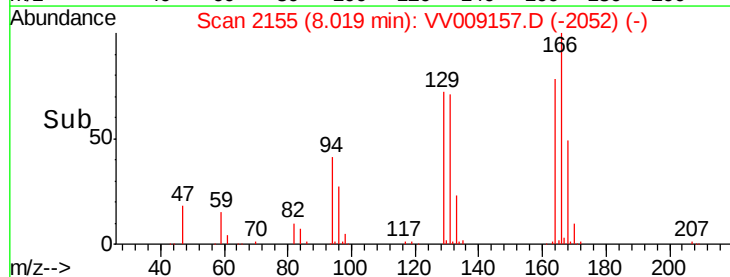
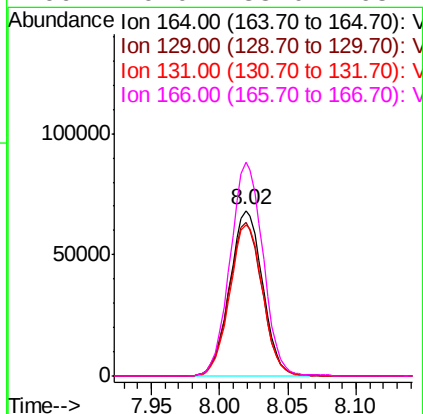
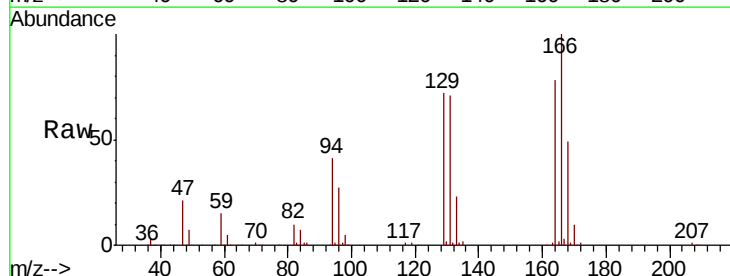
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

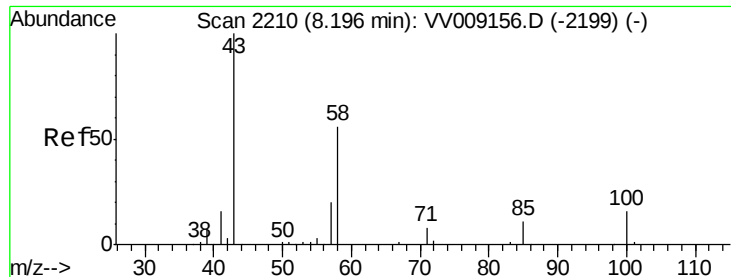
Tgt Ion:	97	Resp:	104612
Ion	Ratio	Lower	Upper
97	100		
83	82.6	56.0	104.0
85	53.8	36.5	67.9
99	62.8	43.5	80.9



#47
 Tetrachloroethene
 Concen: 48.157 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009157.D
 Acq: 04 Jan 2019 12:10

Tgt Ion:	164	Resp:	114611
Ion	Ratio	Lower	Upper
164	100		
129	92.6	63.5	117.9
131	91.6	63.2	117.4
166	129.0	88.0	163.4

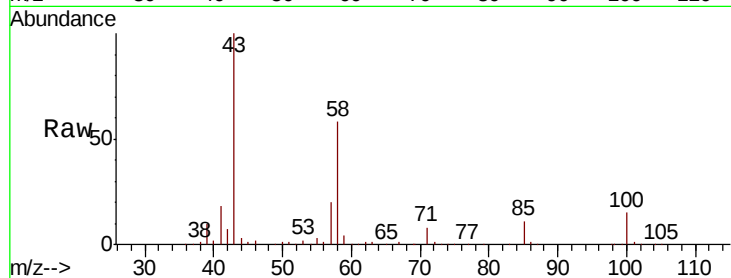




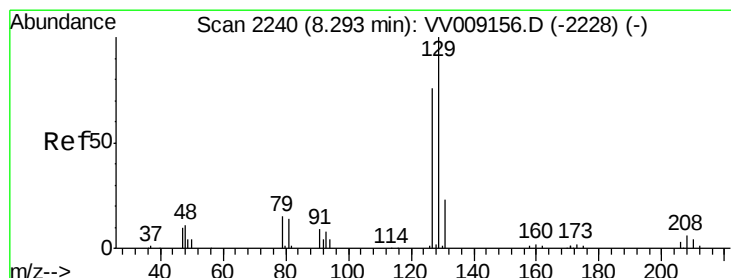
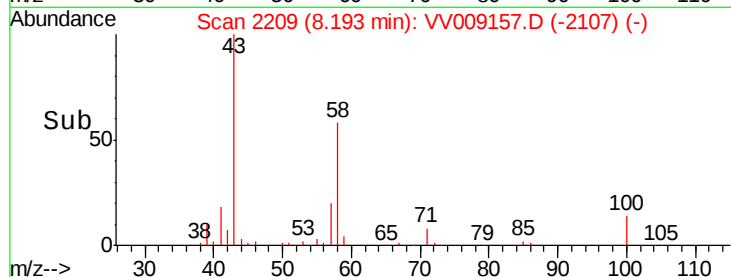
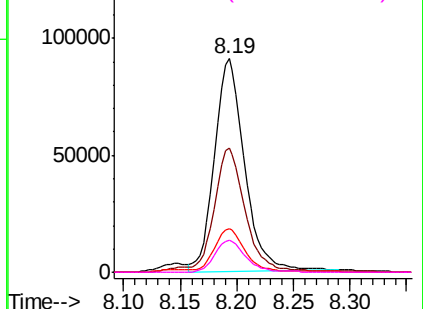
#49
2-Hexanone
Concen: 103.698 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV009157.D
Acq: 04 Jan 2019 12:10

Instrument :
MSVOA_V
ClientSampled :
VSTD05065

Tgt Ion: 43 Resp: 167189
Ion Ratio Lower Upper
43 100
58 58.0 46.7 70.1
57 19.0 15.5 23.3
100 15.5 12.8 19.2

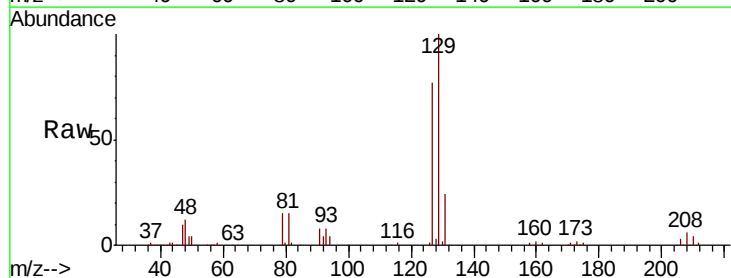


Abundance Ion 43.00 (42.70 to 43.70): VV009157.D (-2107) (-)
Ion 58.00 (57.70 to 58.70): VV009157.D (-2107) (-)
Ion 57.00 (56.70 to 57.70): VV009157.D (-2107) (-)
Ion 100.00 (99.70 to 100.70): VV009157.D (-2107) (-)

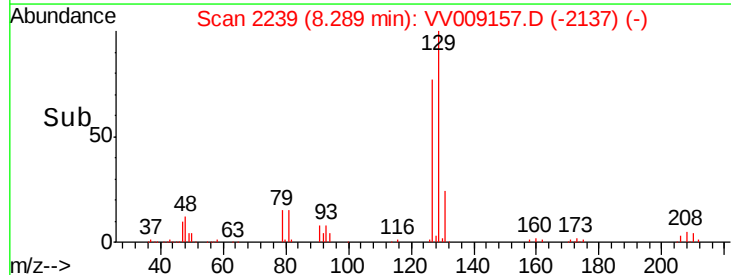
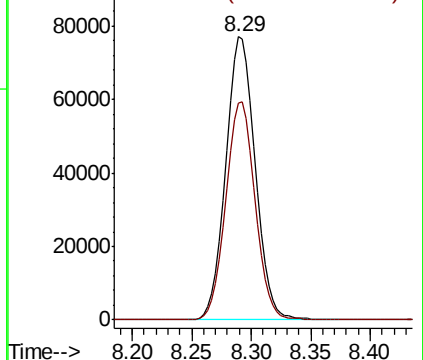


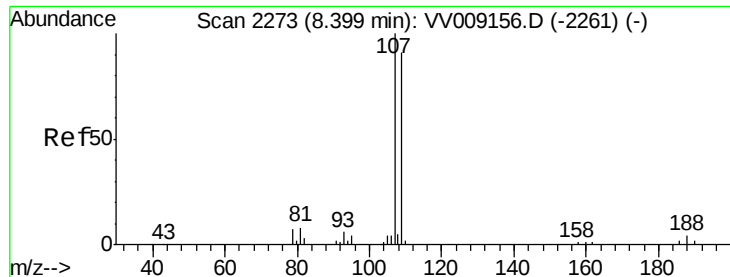
#50
Dibromochloromethane
Concen: 53.050 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009157.D
Acq: 04 Jan 2019 12:10

Tgt Ion: 129 Resp: 132386
Ion Ratio Lower Upper
129 100
127 76.8 53.1 98.7



Abundance Ion 129.00 (128.70 to 129.70): VV009157.D (-2137) (-)
Ion 127.00 (126.70 to 127.70): VV009157.D (-2137) (-)





#51

1,2-Dibromoethane

Concen: 51.066 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

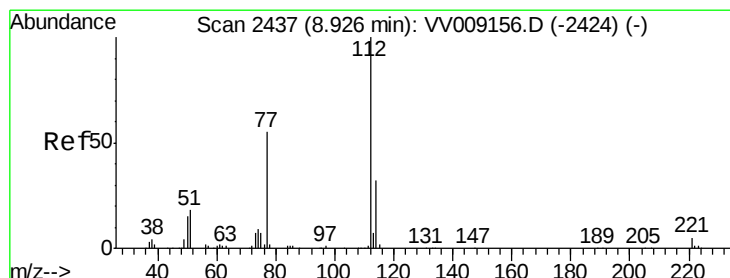
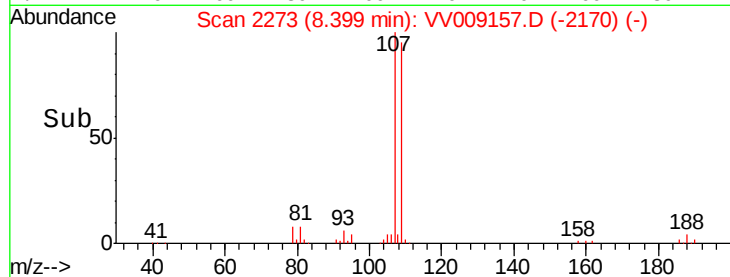
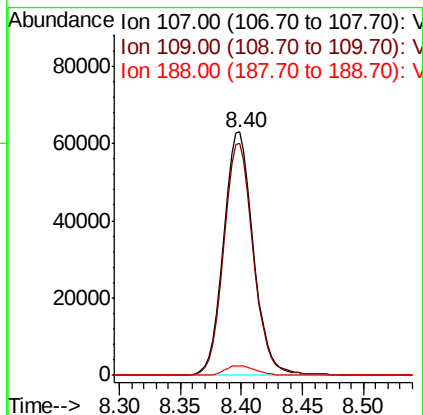
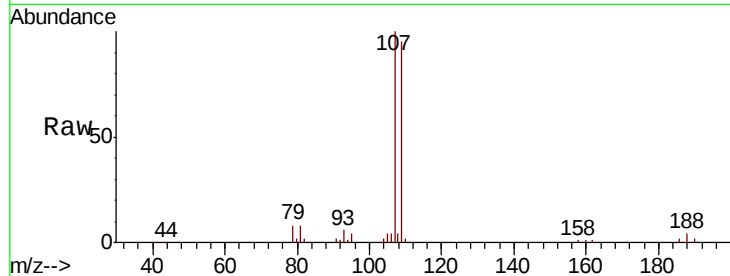
Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

Tgt Ion:	107	Resp:	108467
Ion	Ratio	Lower	Upper
107	100		
109	95.2	63.6	118.0
188	4.1	3.3	4.9



#52

Chlorobenzene

Concen: 48.546 ug/L

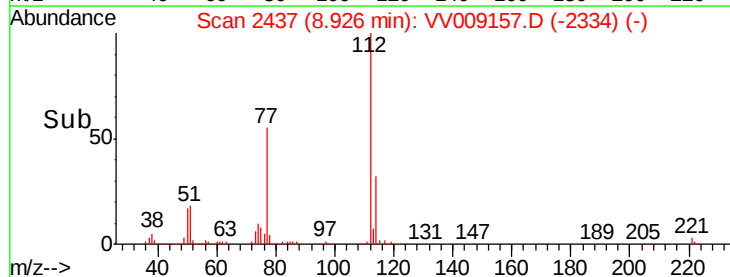
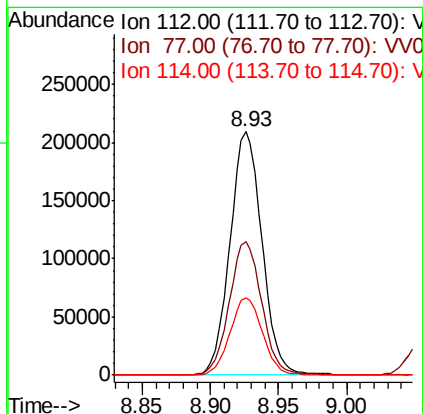
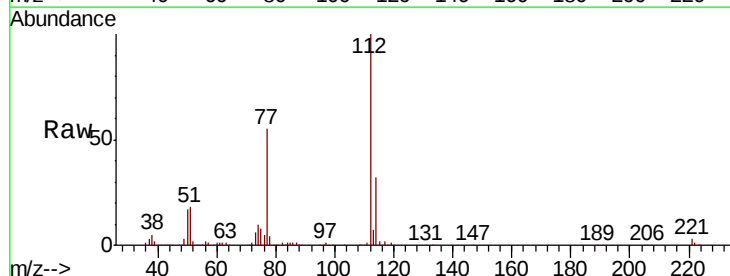
RT: 8.93 min Scan# 2437

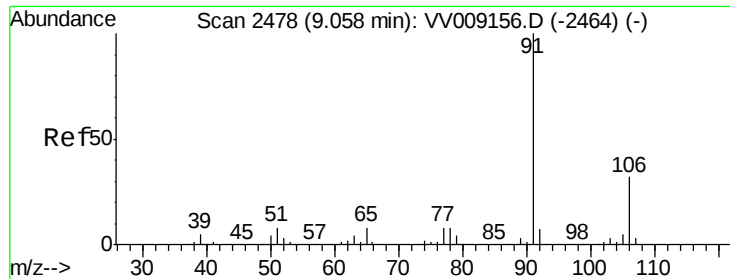
Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Tgt Ion:	112	Resp:	342433
Ion	Ratio	Lower	Upper
112	100		
77	55.1	44.6	66.8
114	31.9	22.5	41.9





#53

Ethylbenzene

Concen: 49.818 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Instrument :

MSVOA_V

ClientSampleId :

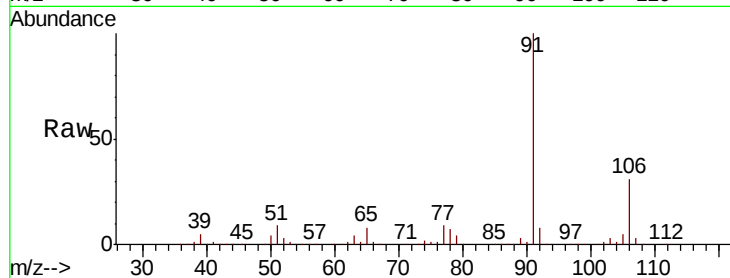
VSTD05065

Tgt Ion: 91 Resp: 579196

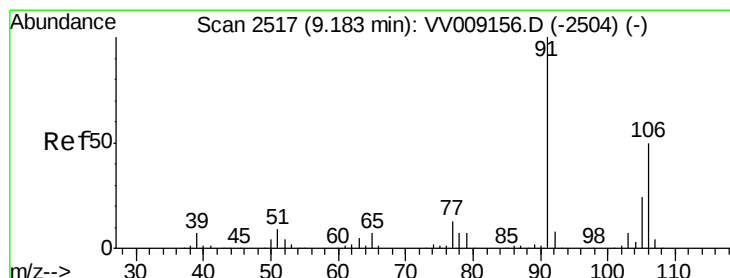
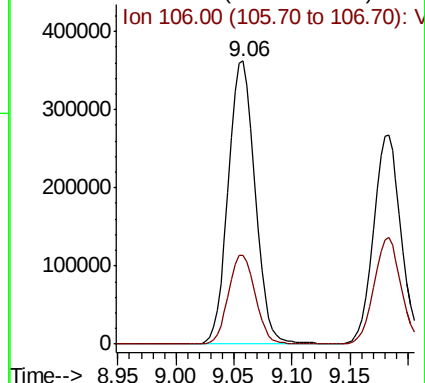
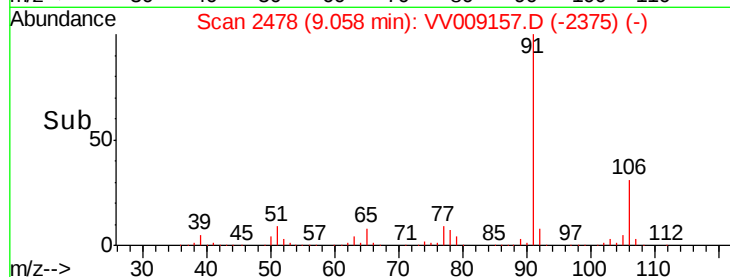
Ion Ratio Lower Upper

91 100

106 31.5 22.5 41.9



Abundance Ion 91.00 (90.70 to 91.70): VV009157.D (-2375) (-)



#54

m,p-Xylene

Concen: 49.696 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009157.D

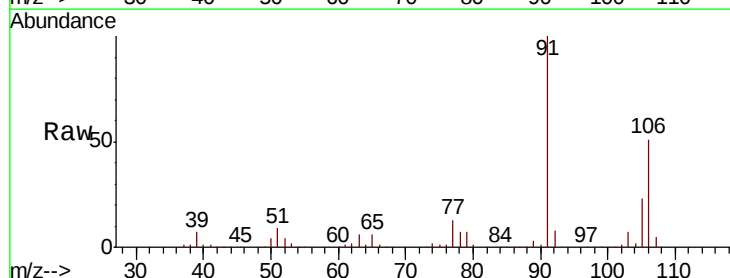
Acq: 04 Jan 2019 12:10

Tgt Ion: 106 Resp: 225108

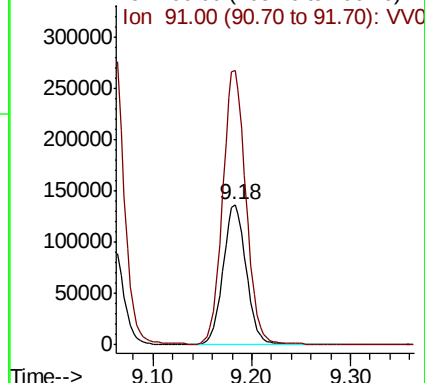
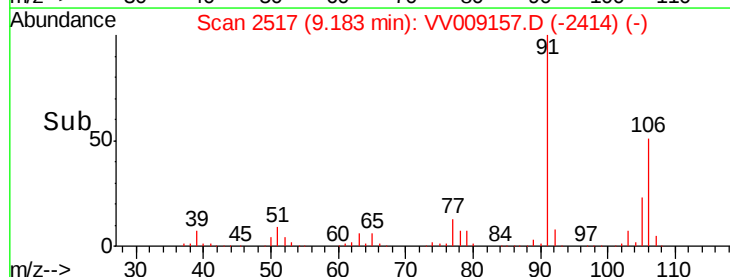
Ion Ratio Lower Upper

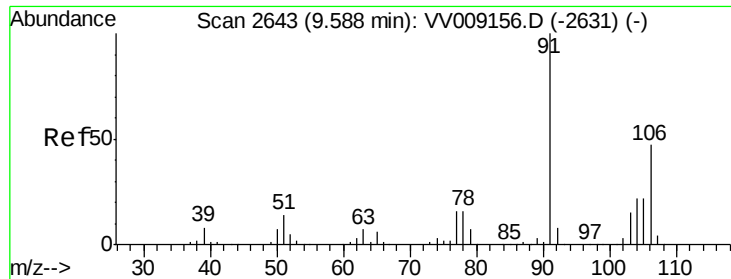
106 100

91 196.4 138.9 257.9



Abundance Ion 106.00 (105.70 to 106.70): VV009157.D (-2414) (-)

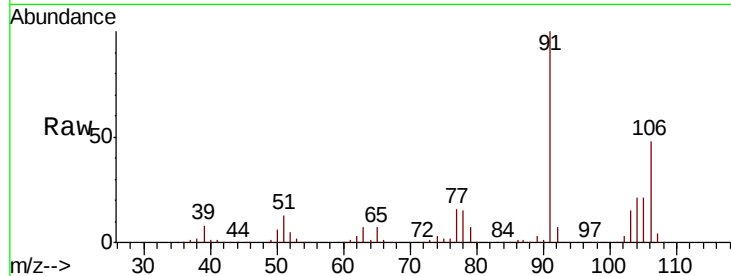




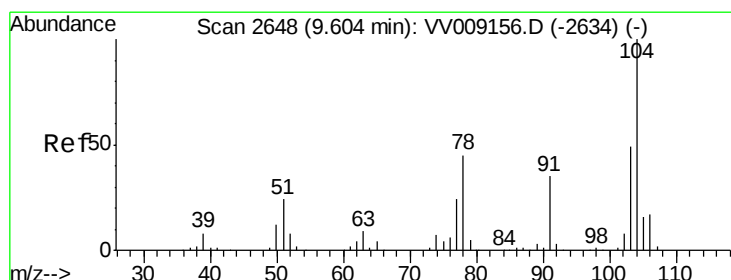
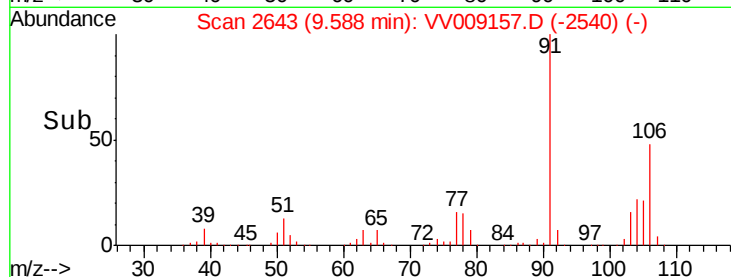
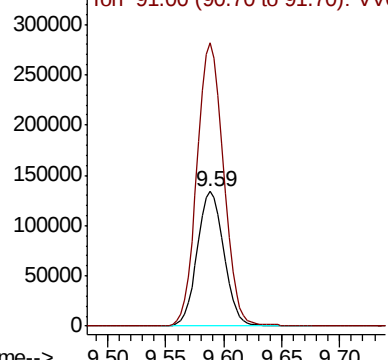
#55
o-xylene
Concen: 50.876 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009157.D
Acq: 04 Jan 2019 12:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion:106 Resp: 213086
Ion Ratio Lower Upper
106 100
91 210.5 148.7 276.1

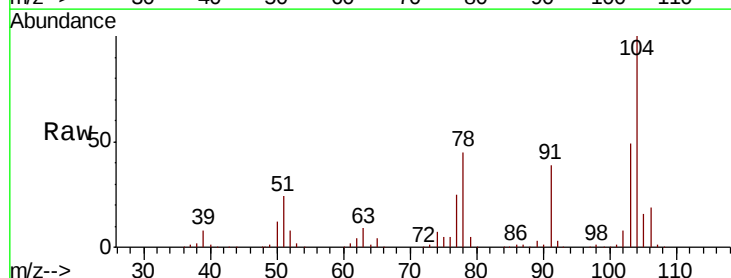


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

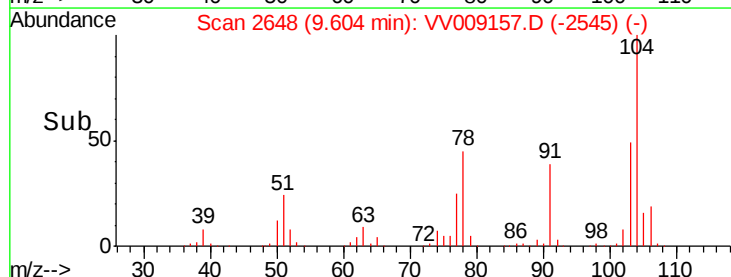
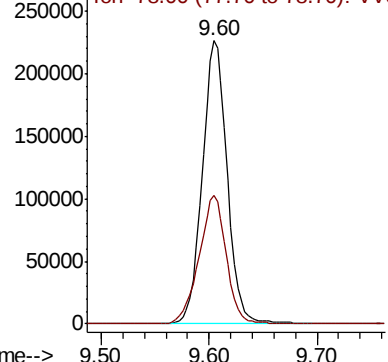


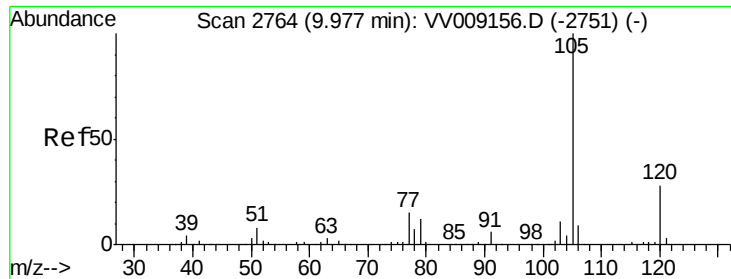
#56
Styrene
Concen: 51.438 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009157.D
Acq: 04 Jan 2019 12:10

Tgt Ion:104 Resp: 363380
Ion Ratio Lower Upper
104 100
78 45.4 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: 50.408 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

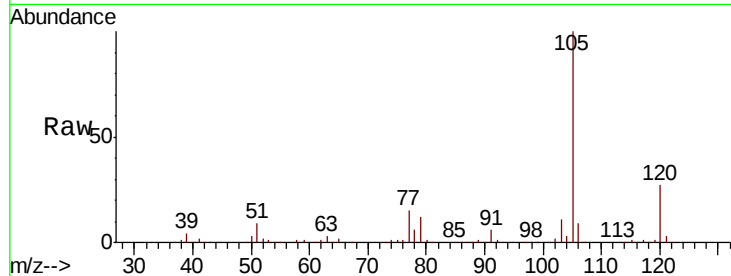
Tgt Ion: 105 Resp: 585781

Ion Ratio Lower Upper

105 100

120 26.9 21.9 32.9

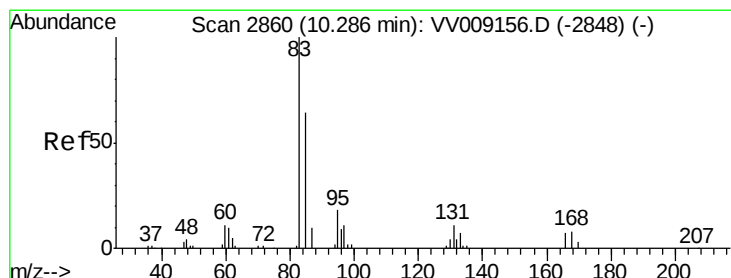
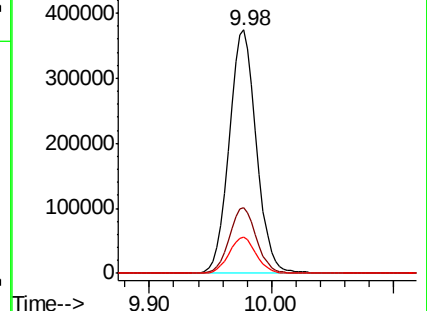
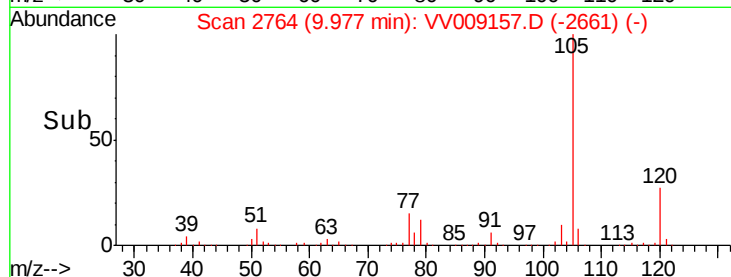
77 14.9 12.1 18.1



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: 52.508 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

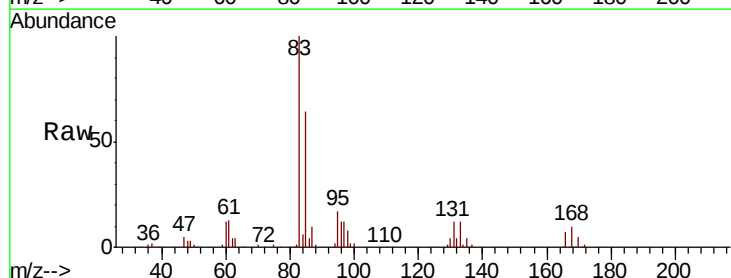
Tgt Ion: 83 Resp: 142906

Ion Ratio Lower Upper

83 100

85 63.9 45.4 84.2

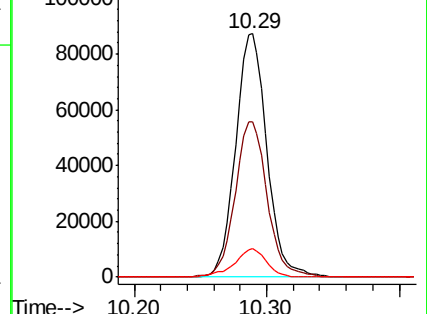
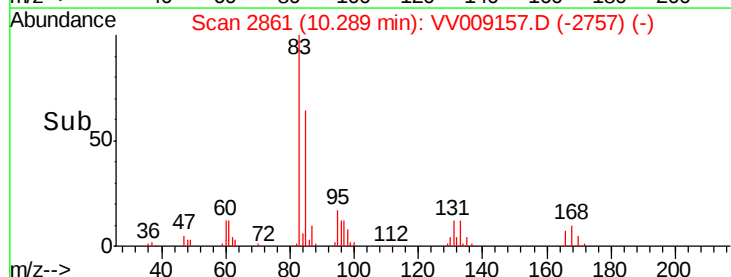
131 11.5 9.4 14.0

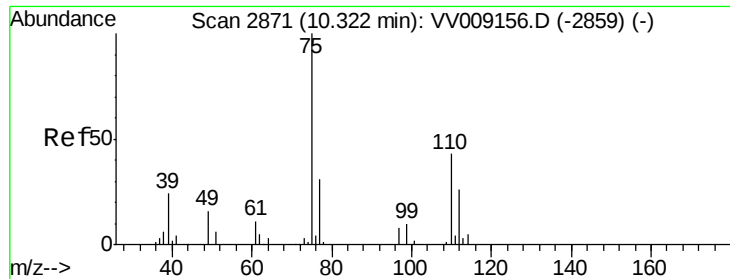


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.657 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Instrument :

MSVOA_V

ClientSampleId :

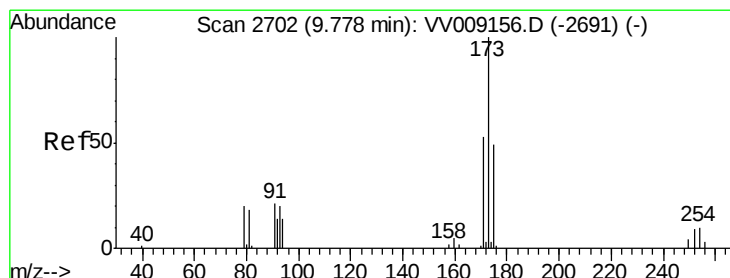
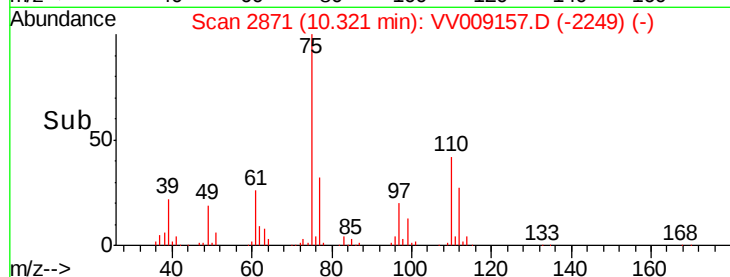
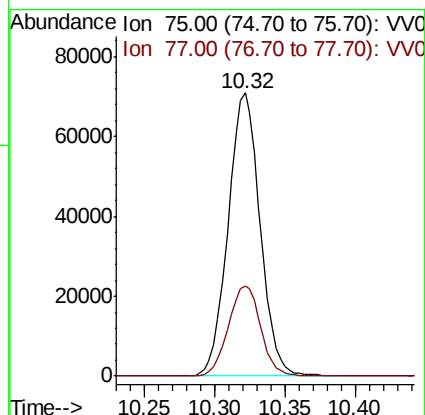
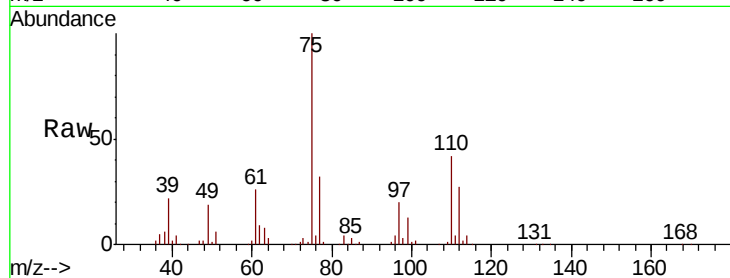
VSTD05065

Tgt Ion: 75 Resp: 112373

Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.6



#62

Bromoform

Concen: 52.663 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

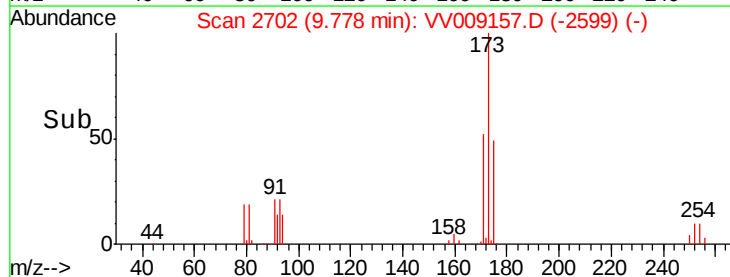
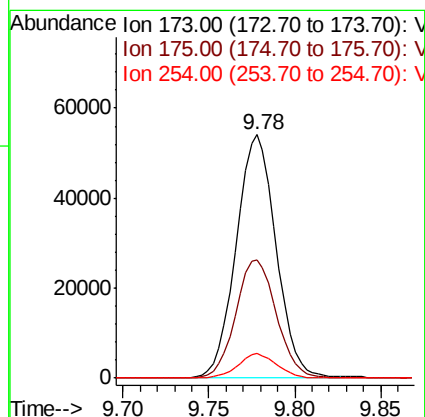
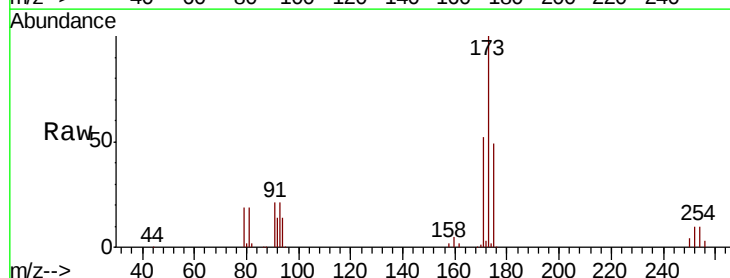
Tgt Ion: 173 Resp: 87474

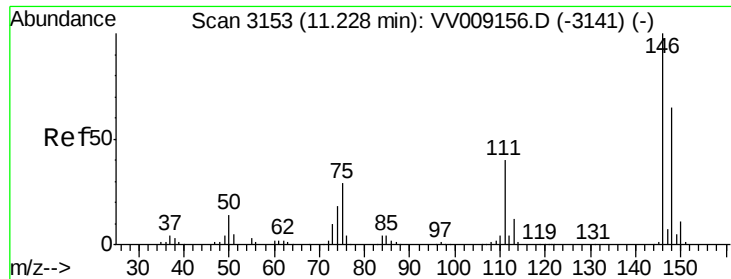
Ion Ratio Lower Upper

173 100

175 49.4 38.4 57.6

254 9.7 8.0 12.0

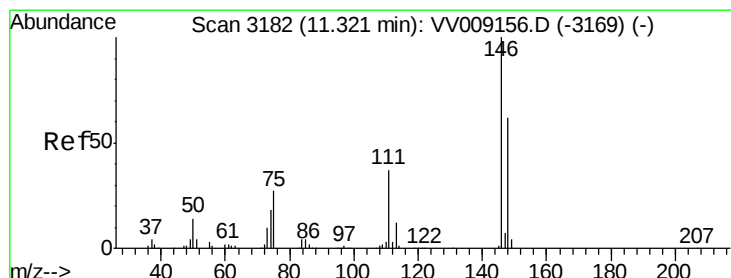
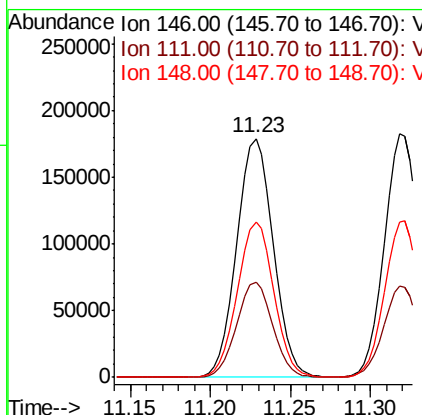
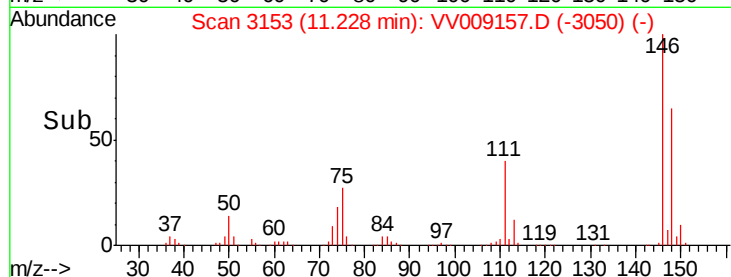
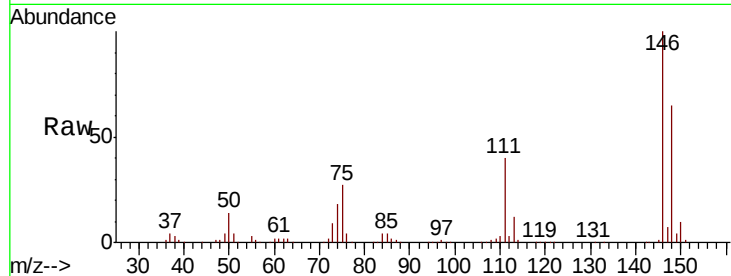




#63
 1,3-Dichlorobenzene
 Concen: 46.964 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009157.D
 Acq: 04 Jan 2019 12:10

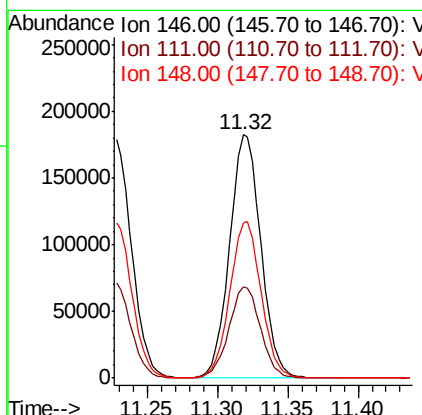
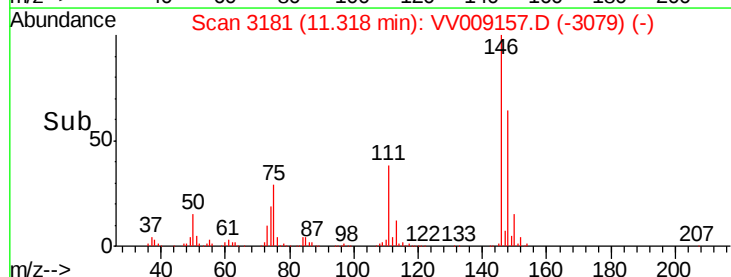
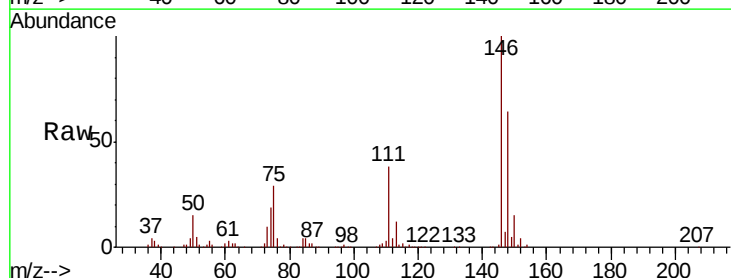
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

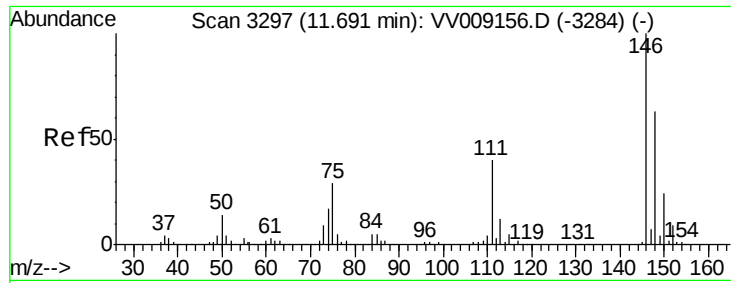
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	28.0	52.0
148	65.3	45.6	84.8



#64
 1,4-Dichlorobenzene
 Concen: 45.784 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009157.D
 Acq: 04 Jan 2019 12:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.0	48.4
148	63.7	43.4	80.6





#65

1,2-Dichlorobenzene

Concen: 46.853 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

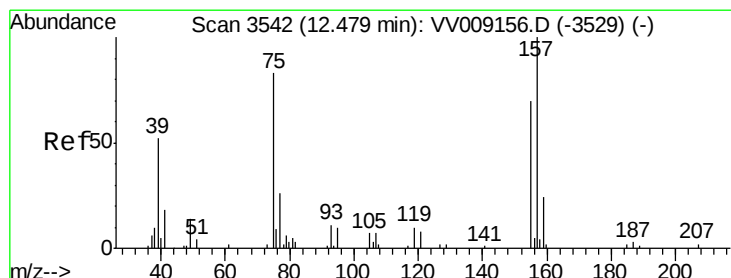
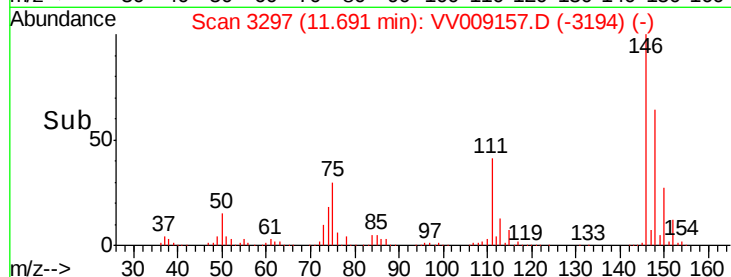
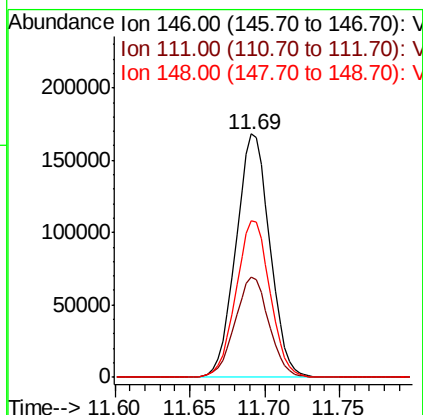
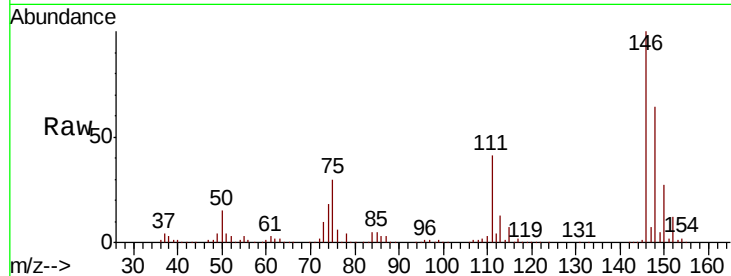
Tgt Ion: 146 Resp: 264480

Ion Ratio Lower Upper

146 100

111 41.1 32.2 48.4

148 64.2 50.4 75.6



#66

1,2-Dibromo-3-chloropropane

Concen: 52.454 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

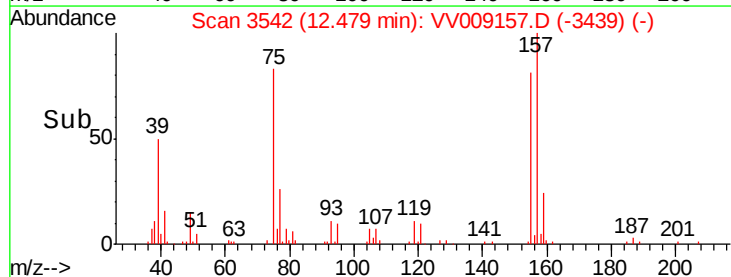
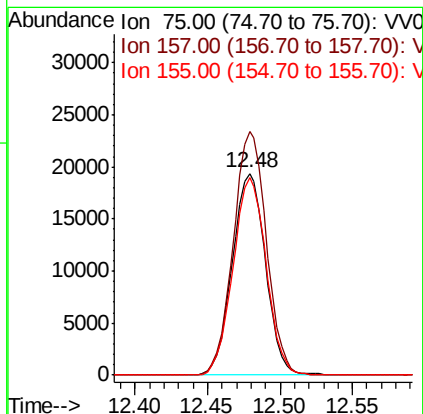
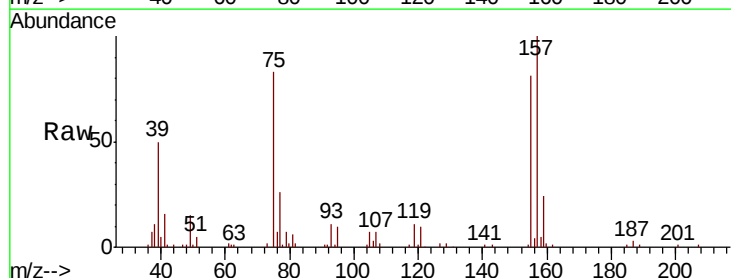
Tgt Ion: 75 Resp: 30740

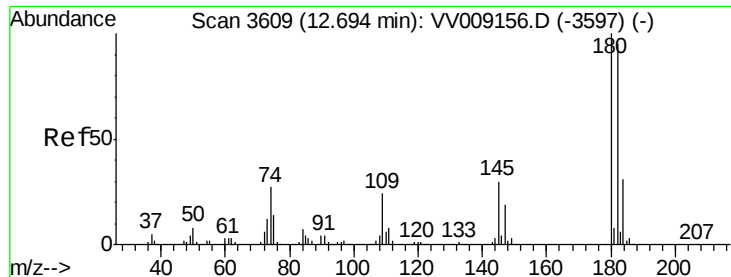
Ion Ratio Lower Upper

75 100

157 120.6 96.9 145.3

155 97.6 68.0 102.0

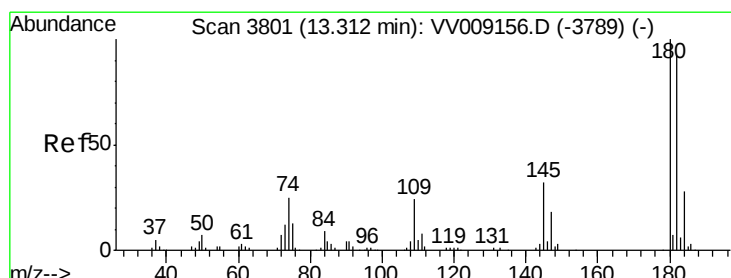
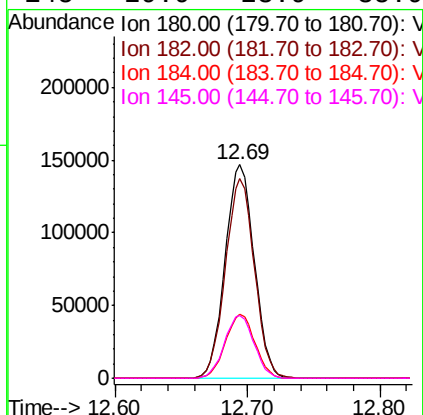
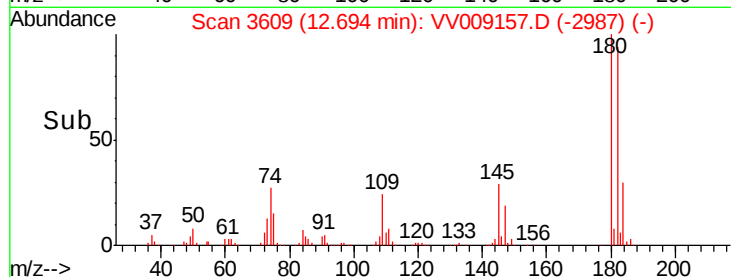
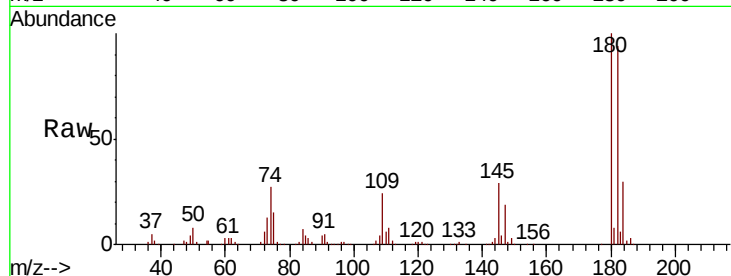




#67
 1,3,5-Trichlorobenzene
 Concen: 46.710 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009157.D
 Acq: 04 Jan 2019 12:10

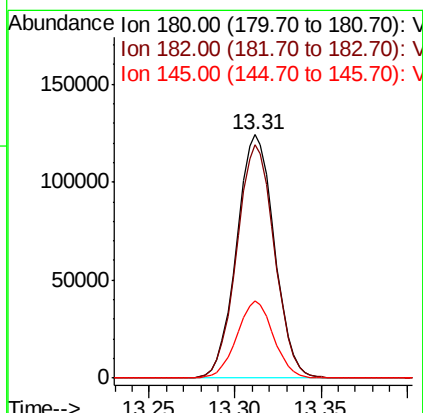
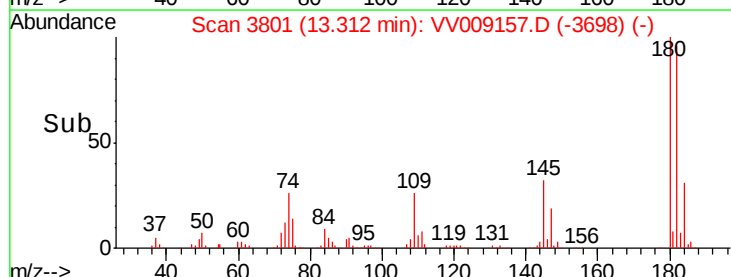
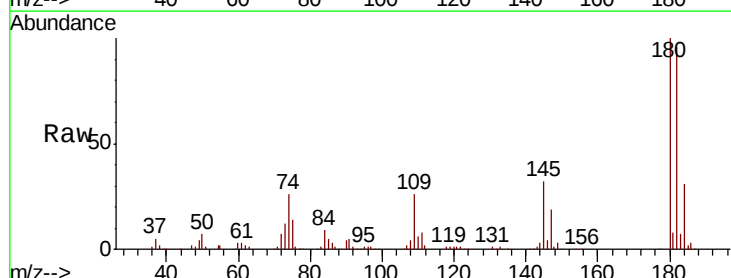
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

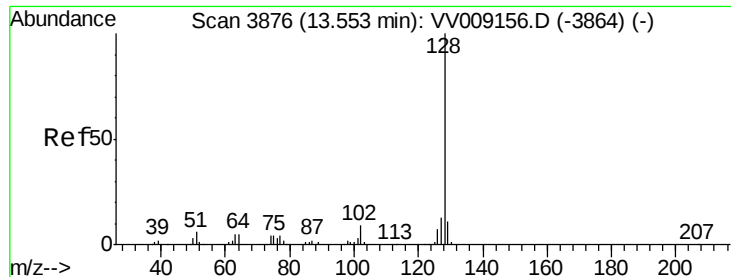
Tgt Ion:	180	Resp:	223238
Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.3	112.9
184	30.4	24.6	37.0
145	29.9	23.9	35.9



#68
 1,2,4-trichlorobenzene
 Concen: 48.745 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009157.D
 Acq: 04 Jan 2019 12:10

Tgt Ion:	180	Resp:	189621
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.4
145	30.8	25.4	38.0





#69

Naphthalene

Concen: 53.462 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

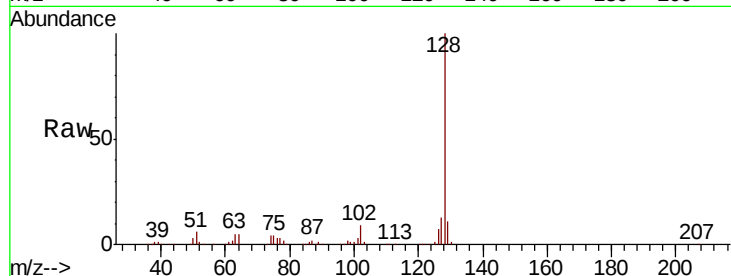
Tgt Ion:128 Resp: 423606

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

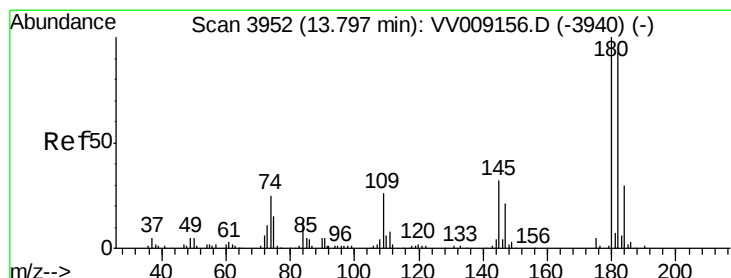
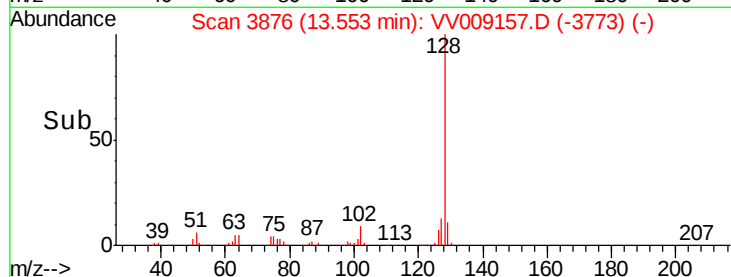
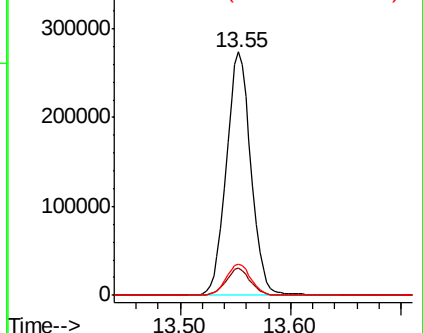
127 12.9 10.4 15.6



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: 49.170 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV009157.D

Acq: 04 Jan 2019 12:10

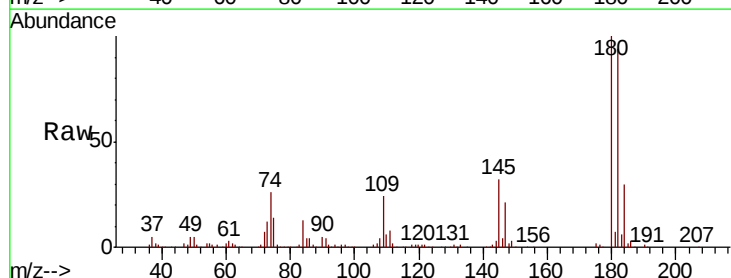
Tgt Ion:180 Resp: 175536

Ion Ratio Lower Upper

180 100

182 94.0 74.4 111.6

145 32.2 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

