

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080319\
 Data File : VV012102.D
 Acq On : 03 Aug 2019 10:59
 Operator : SY/MD
 Sample : VSTD05064
 Misc : 5gm/10ml/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Quant Time: Aug 05 07:49:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM080319S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 05 07:43:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	241800	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	226688	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	128094	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	96790	31.35	ug/L	0.00
7) Chloroethane-d5	1.58	69	75049	31.96	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	194628	31.12	ug/L	0.00
20) 2-Butanone-d5	3.95	46	96667	81.23	ug/L	0.00
24) Chloroform-d	4.40	84	285381	48.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	170002	44.56	ug/L	0.00
29) Benzene-d6	5.09	84	537350	44.65	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	149607	39.78	ug/L	0.00
37) Toluene-d8	7.36	98	531478	46.16	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	87641	48.76	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	77799	85.67	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	153791	44.08	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	227800	47.74	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	175047	44.811 ug/L	99
3) Chloromethane	1.25	50	103792	29.733 ug/L	96
5) Vinyl chloride	1.32	62	106039	30.333 ug/L	97
6) Bromomethane	1.53	94	68495	35.321 ug/L	98
8) Chloroethane	1.60	64	60221	29.889 ug/L	100
9) Trichlorofluoromethane	1.77	101	201937	38.559 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	98216	35.197 ug/L	99
12) 1,1-Dichloroethene	2.14	96	90627	35.401 ug/L	94
13) Acetone	2.22	43	122624	87.177 ug/L	100
14) Carbon disulfide	2.31	76	379344	43.990 ug/L	99
15) Methyl Acetate	2.46	43	69687	34.478 ug/L	100
16) Methylene chloride	2.53	84	134724	37.516 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	379787	41.315 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	141666	43.337 ug/L	96
19) 1,1-Dichloroethane	3.23	63	231903	37.849 ug/L	100
21) 2-Butanone	4.03	43	132358	82.643 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	156926	43.360 ug/L	99
23) Bromochloromethane	4.29	128	78479	47.984 ug/L	96
25) Chloroform	4.42	83	268593	40.516 ug/L	100
27) 1,2-Dichloroethane	5.18	62	199629	42.474 ug/L	100
30) Cyclohexane	4.72	56	203004	35.466 ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	256548	48.877 ug/L	99
32) Carbon tetrachloride	4.87	117	240416	52.710 ug/L	99
34) Benzene	5.14	78	538462	41.432 ug/L	100
35) Trichloroethene	5.96	95	155380	44.555 ug/L	97
36) Methylcyclohexane	6.17	83	244696	41.844 ug/L	99
40) 1,2-Dichloropropane	6.22	63	127362	37.910 ug/L	99
41) Bromodichloromethane	6.55	83	205966	45.549 ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	236953	43.499 ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	204948	66.803 ug/L	100

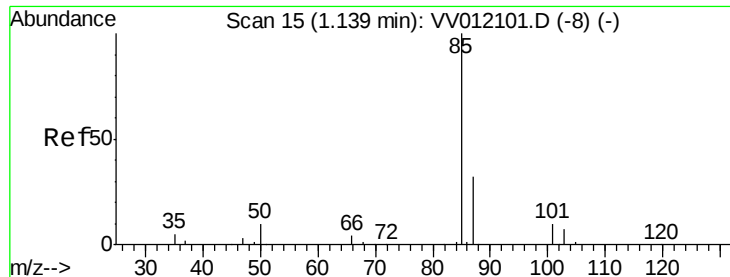
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080319\
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 Quant Title : VOC Analysis
 QLast Update : Mon Aug 05 07:43:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	616083	43.002	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	211372	45.330	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	117376	43.228	ug/L	97
47) Tetrachloroethene	8.02	164	147836	54.389	ug/L	96
49) 2-Hexanone	8.18	43	179340	79.511	ug/L	98
50) Dibromochloromethane	8.29	129	166389	52.191	ug/L	99
51) 1,2-Dibromoethane	8.40	107	129196	48.039	ug/L	100
52) Chlorobenzene	8.92	112	417194	44.956	ug/L	98
53) Ethylbenzene	9.05	91	712373	43.403	ug/L	99
54) m,p-Xylene	9.18	106	274075	44.358	ug/L	97
55) o-xylene	9.59	106	263423	43.590	ug/L	98
56) Styrene	9.60	104	458742	45.169	ug/L	98
57) Isopropylbenzene	9.97	105	721844	44.535	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	148169	40.425	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	116499	41.726	ug/L	99
62) Bromoform	9.77	173	121164	57.448	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	371906	45.141	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	374712	44.910	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	349147	45.008	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	34995	44.475	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	318353	50.539	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	280058	54.502	ug/L	100
69) Naphthalene	13.55	128	547170	52.819	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	263335	55.024	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 44.811 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

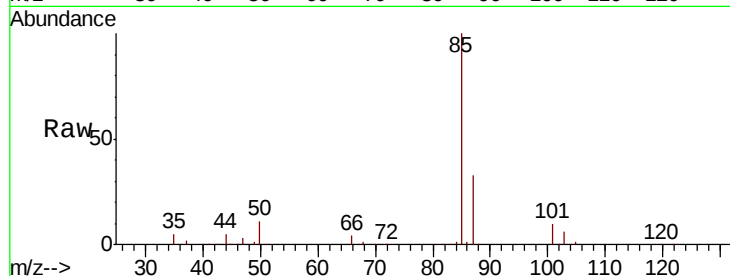
VSTD05064

Tgt Ion: 85 Resp: 175047

Ion Ratio Lower Upper

85 100

87 32.7 22.7 42.1



Abundance Ion 85.00 (84.70 to 85.70): VV012101.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012101.D (-8) (-)

1.14

150000

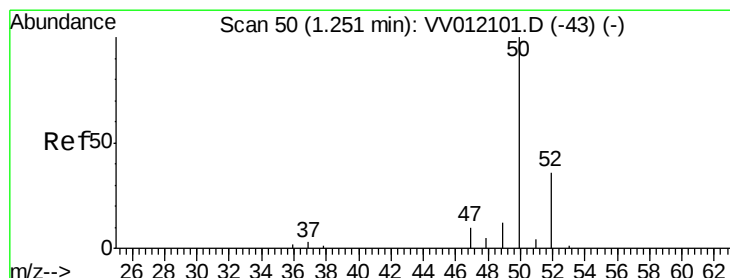
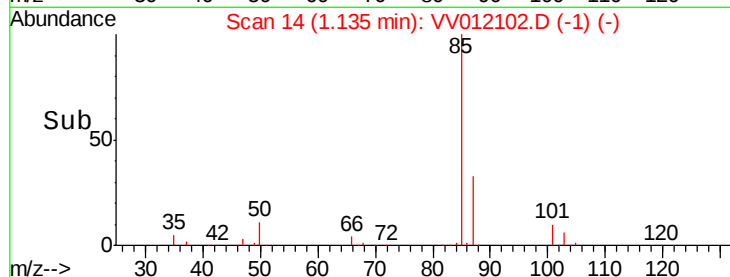
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 29.733 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV012102.D

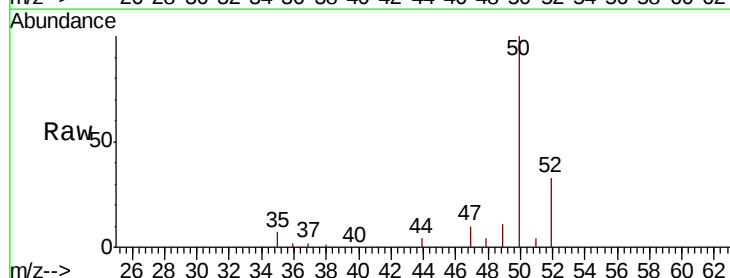
Acq: 03 Aug 2019 10:59

Tgt Ion: 50 Resp: 103792

Ion Ratio Lower Upper

50 100

52 33.3 25.0 46.4



Abundance Ion 50.00 (49.70 to 50.70): VV012101.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV012101.D (-43) (-)

1.25

120000

100000

80000

60000

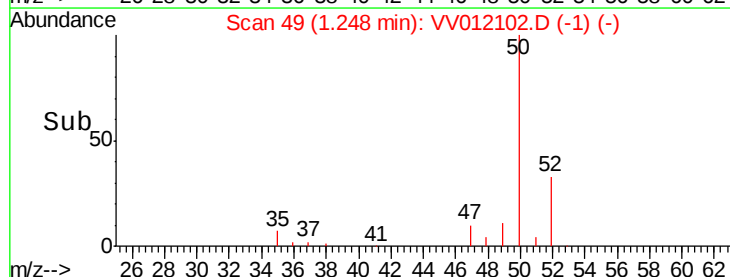
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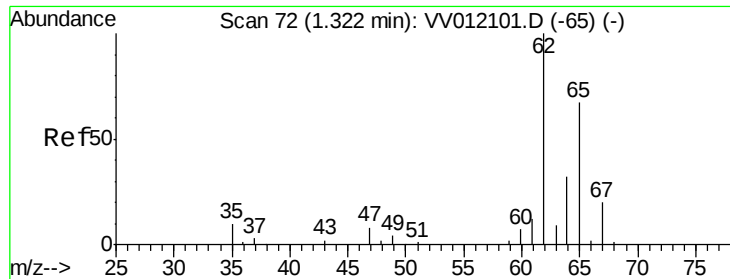
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 30.333 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

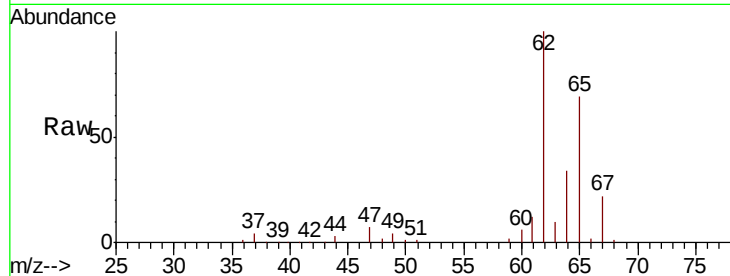
VSTD05064

Tgt Ion: 62 Resp: 106039

Ion Ratio Lower Upper

62 100

64 33.7 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

120000

100000

80000

60000

40000

20000

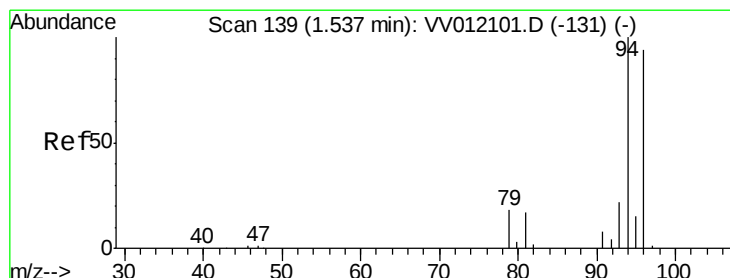
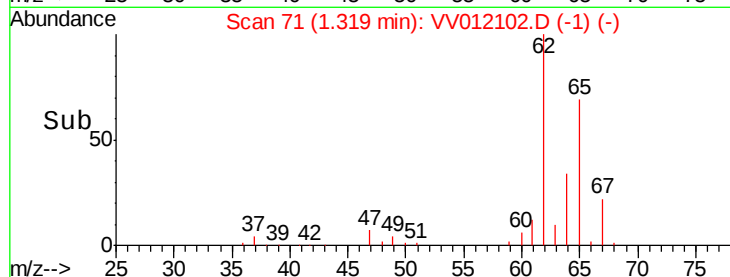
0

1.30

1.32

1.35

Time-->



#6

Bromomethane

Concen: 35.321 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.01 min

Lab File: VV012102.D

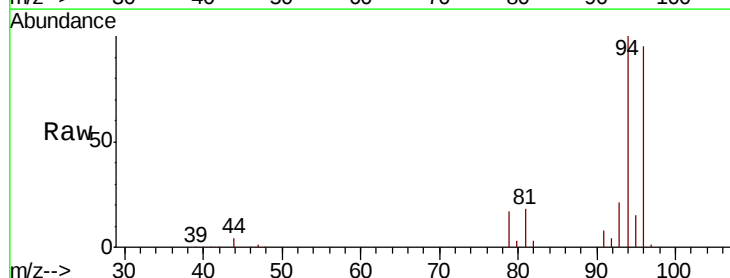
Acq: 03 Aug 2019 10:59

Tgt Ion: 94 Resp: 68495

Ion Ratio Lower Upper

94 100

96 95.1 9.3 176.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

60000

40000

20000

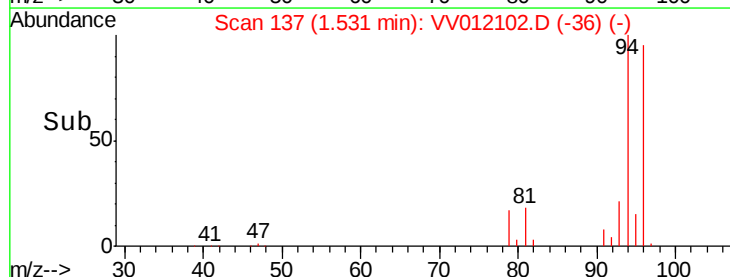
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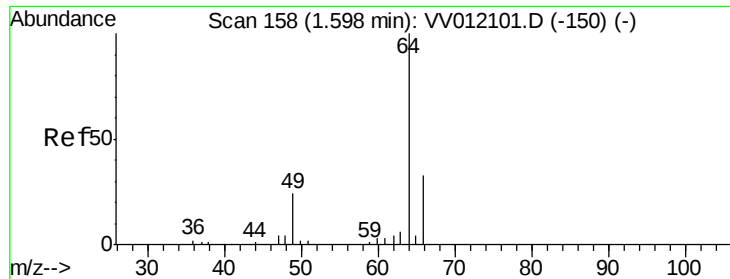
1.50

1.53

1.55

Time-->





#8

Chloroethane

Concen: 29.889 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

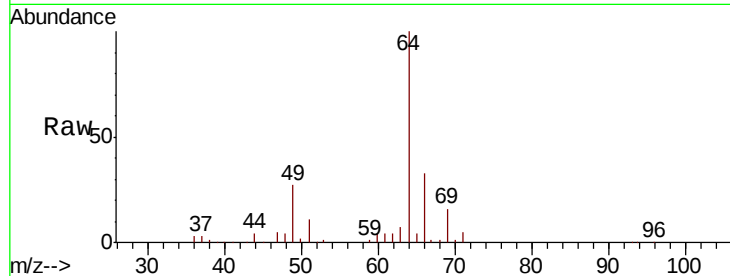
VSTD05064

Tgt Ion: 64 Resp: 60221

Ion Ratio Lower Upper

64 100

66 32.5 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV012101.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV012101.D (-150) (-)

1.60

50000

40000

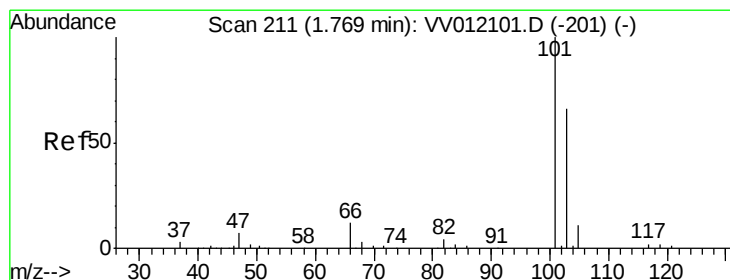
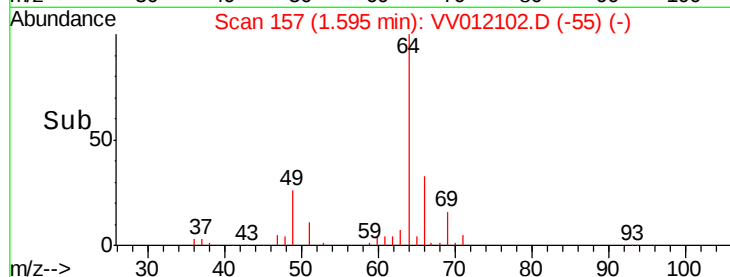
30000

20000

10000

0

Time-->



#9

Trichlorofluoromethane

Concen: 38.559 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV012102.D

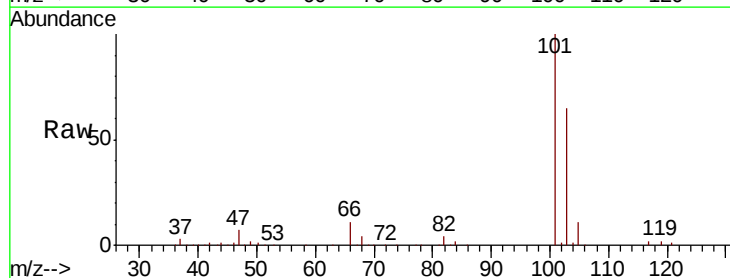
Acq: 03 Aug 2019 10:59

Tgt Ion: 101 Resp: 201937

Ion Ratio Lower Upper

101 100

103 63.7 46.3 86.1



Abundance Ion 101.00 (100.70 to 101.70): VV012101.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV012101.D (-201) (-)

1.77

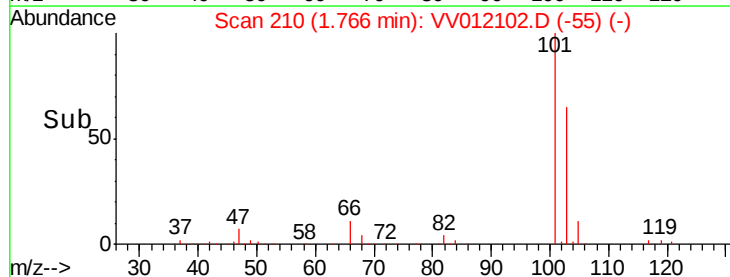
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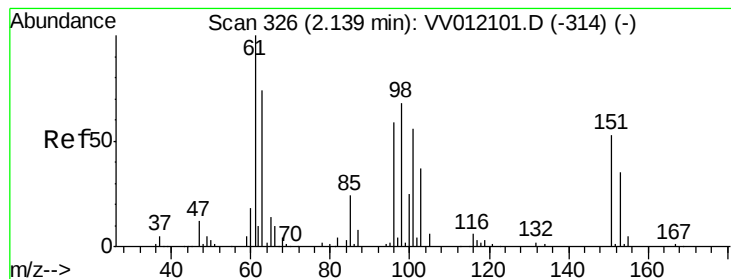
100000

50000

0

Time-->





#11

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

Concen: 35.197 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

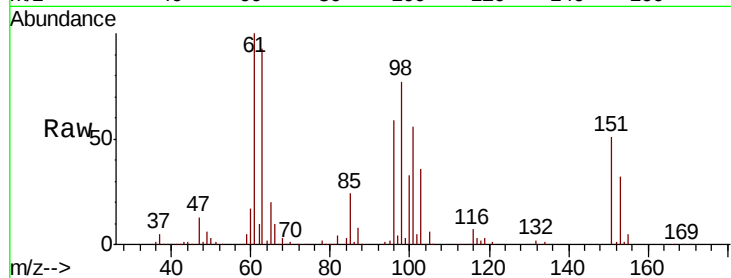
Tgt Ion: 101 Resp: 98216

Ion Ratio Lower Upper

101 100

85 42.9 35.0 52.4

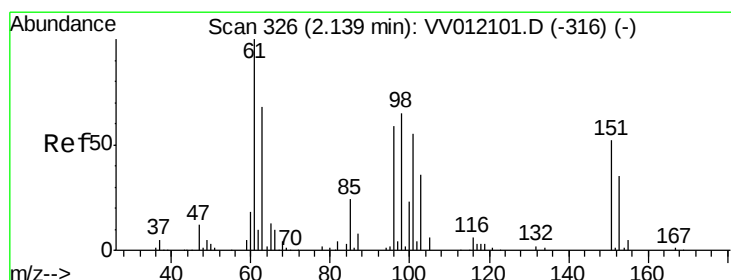
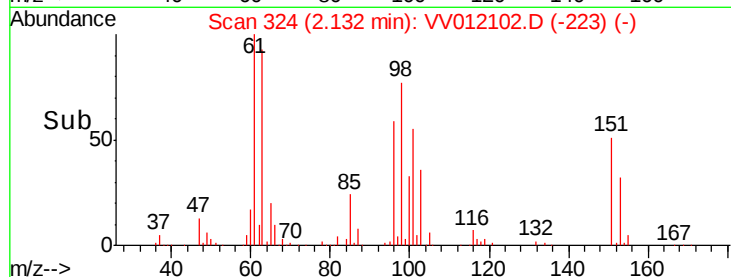
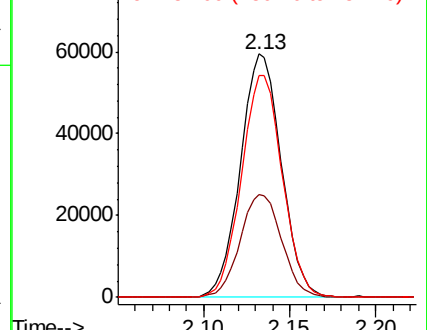
151 91.1 73.6 110.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 35.401 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

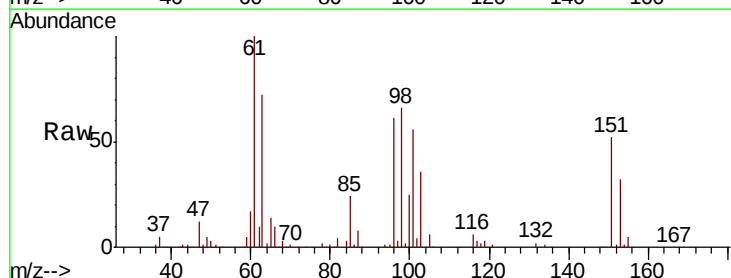
Tgt Ion: 96 Resp: 90627

Ion Ratio Lower Upper

96 100

61 165.3 119.6 222.0

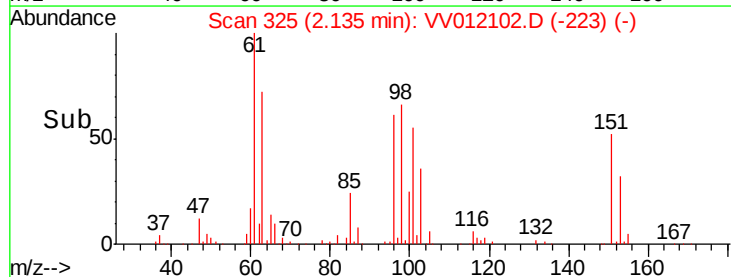
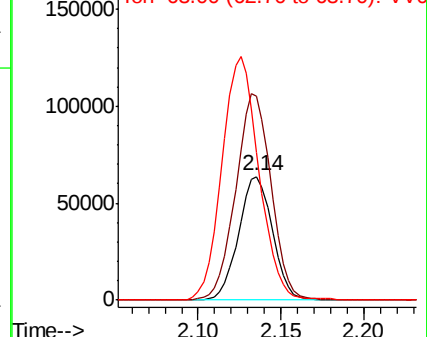
63 119.7 90.2 167.4

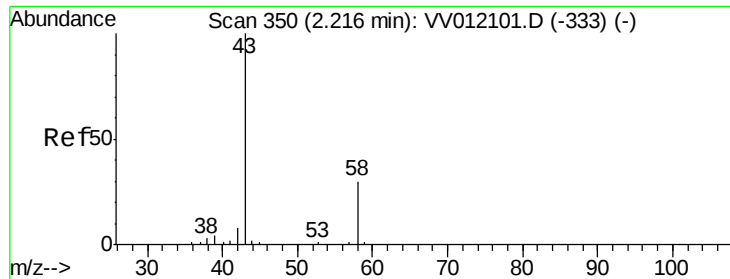


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 87.177 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

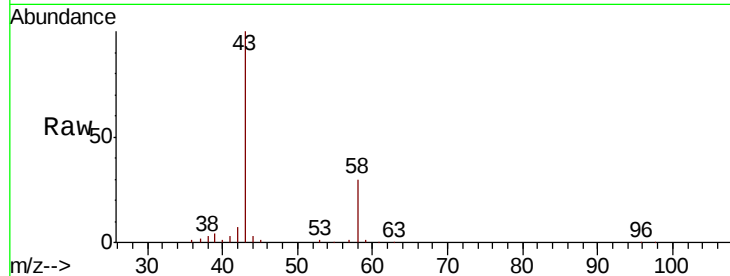
VSTD05064

Tgt Ion: 43 Resp: 122624

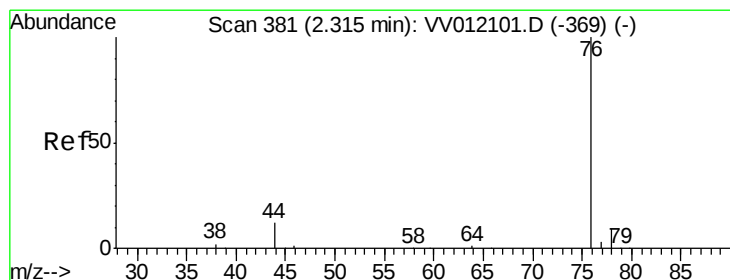
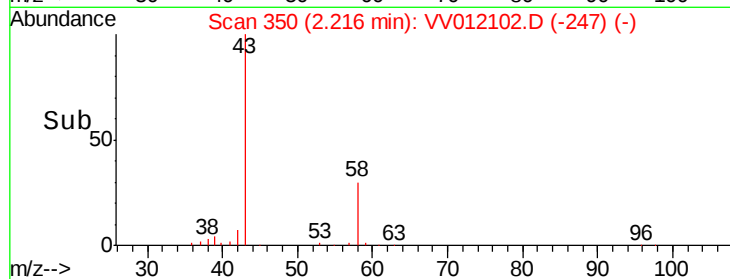
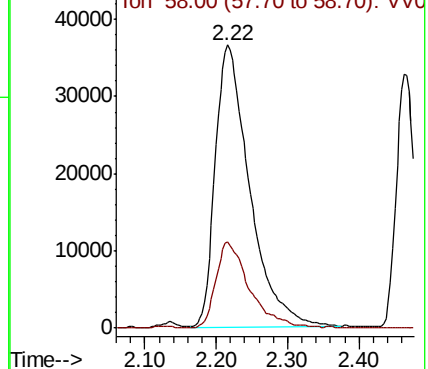
Ion Ratio Lower Upper

43 100

58 29.7 0.0 59.8



Abundance Ion 43.00 (42.70 to 43.70): VV012102.D (-247) (-)



#14

Carbon disulfide

Concen: 43.990 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012102.D

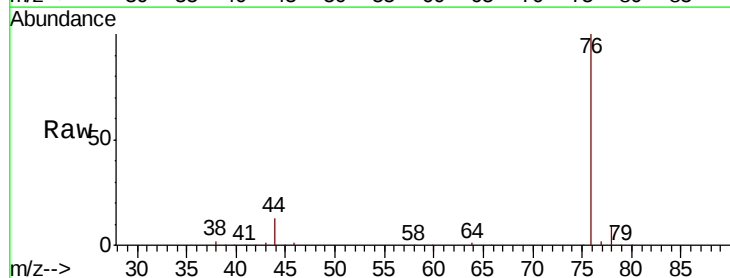
Acq: 03 Aug 2019 10:59

Tgt Ion: 76 Resp: 379344

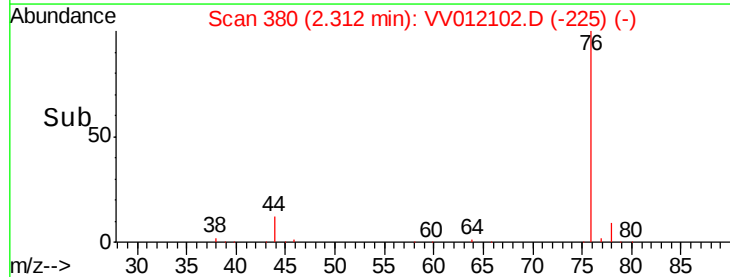
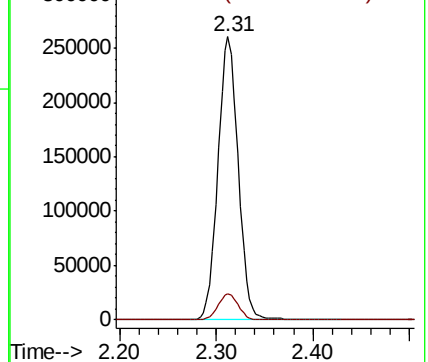
Ion Ratio Lower Upper

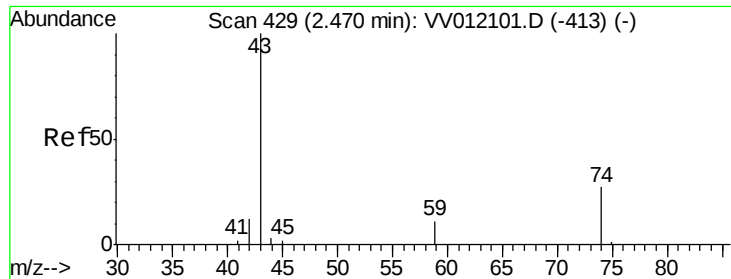
76 100

78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV012102.D (-225) (-)

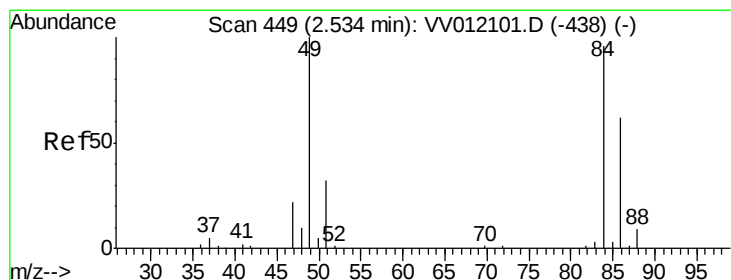
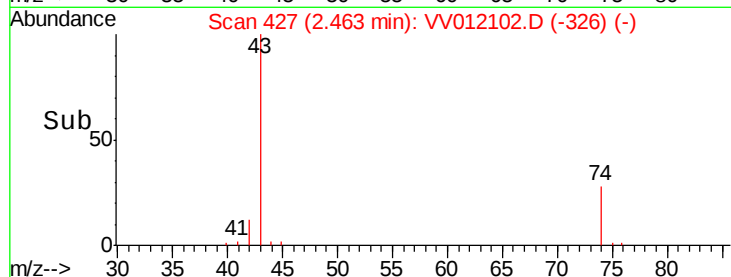
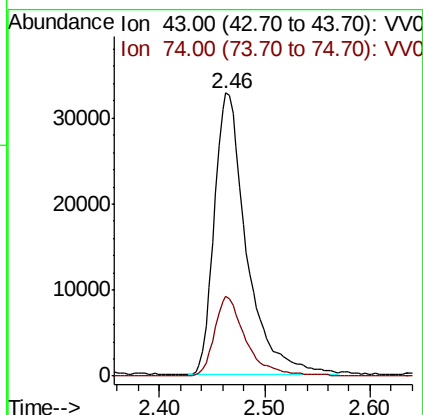
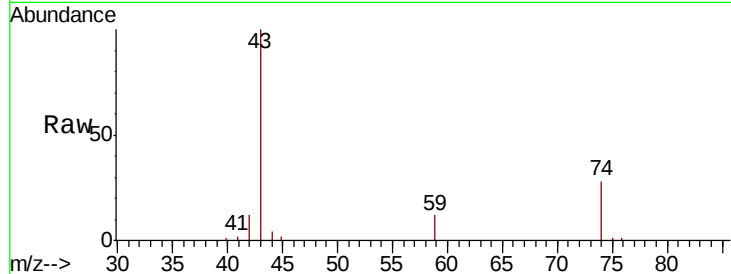




#15
Methyl Acetate
Concen: 34.478 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.01 min
Lab File: VV012102.D
Acq: 03 Aug 2019 10:59

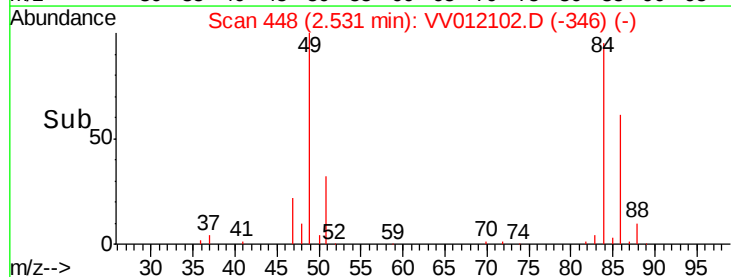
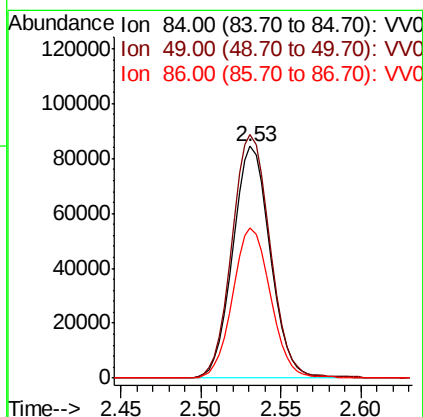
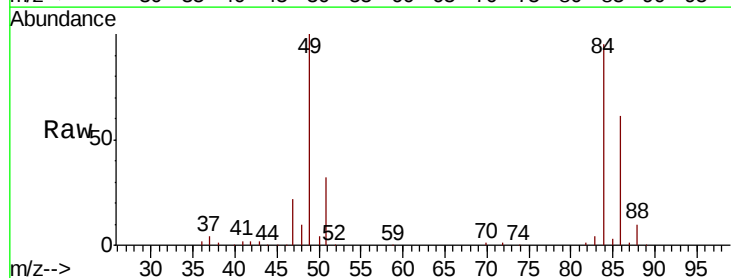
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

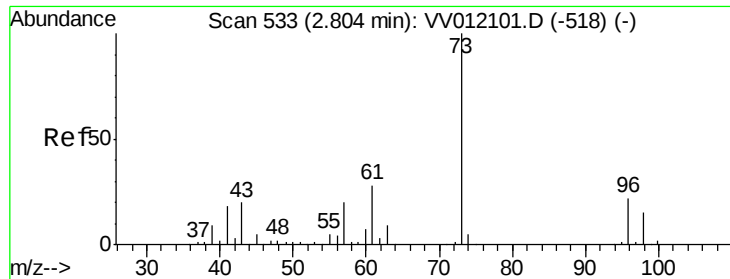
Tgt Ion: 43 Resp: 69687
Ion Ratio Lower Upper
43 100
74 27.4 21.9 32.9



#16
Methylene chloride
Concen: 37.516 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012102.D
Acq: 03 Aug 2019 10:59

Tgt Ion: 84 Resp: 134724
Ion Ratio Lower Upper
84 100
49 105.0 73.0 135.6
86 64.5 44.9 83.3

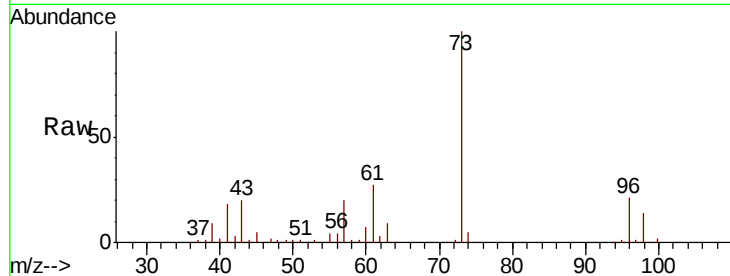




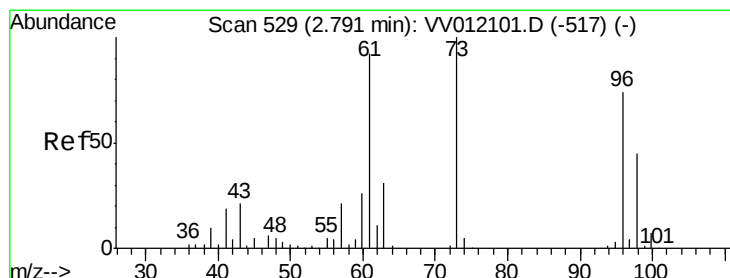
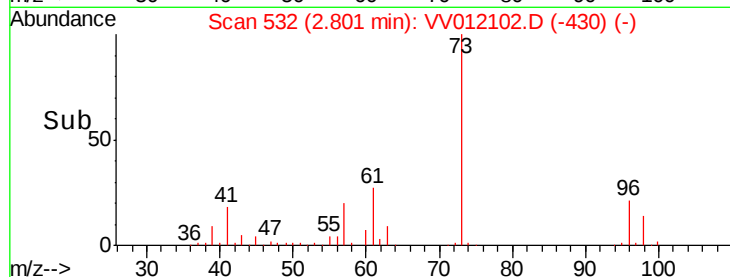
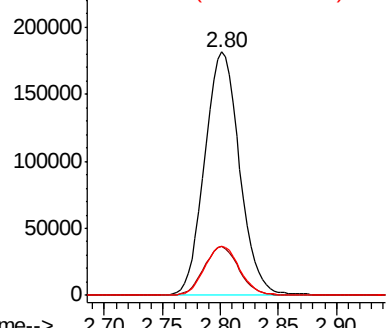
#17
Methyl tert-butyl Ether
Concen: 41.315 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV012102.D
Acq: 03 Aug 2019 10:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Tgt Ion: 73 Resp: 379787
Ion Ratio Lower Upper
73 100
43 19.8 16.4 24.6
57 20.2 15.9 23.9

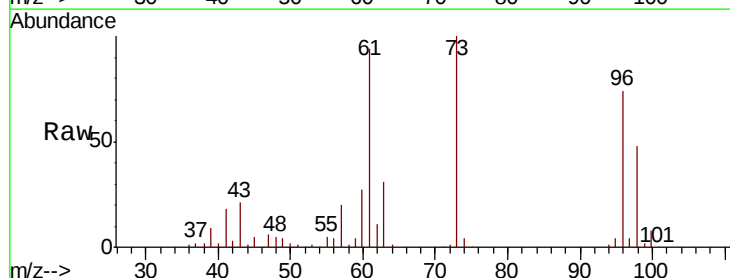


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

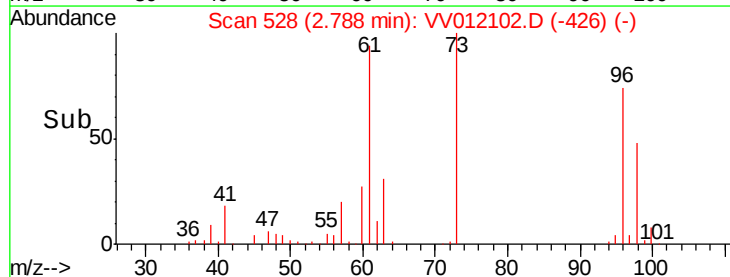
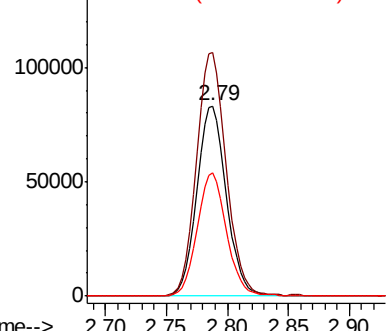


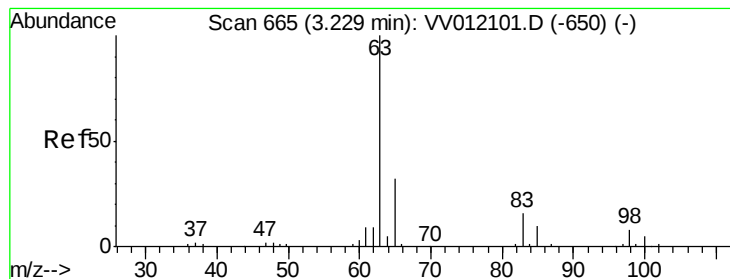
#18
trans-1,2-Dichloroethene
Concen: 43.337 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV012102.D
Acq: 03 Aug 2019 10:59

Tgt Ion: 96 Resp: 141666
Ion Ratio Lower Upper
96 100
61 127.8 86.9 161.5
98 64.7 42.9 79.7



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: 37.849 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

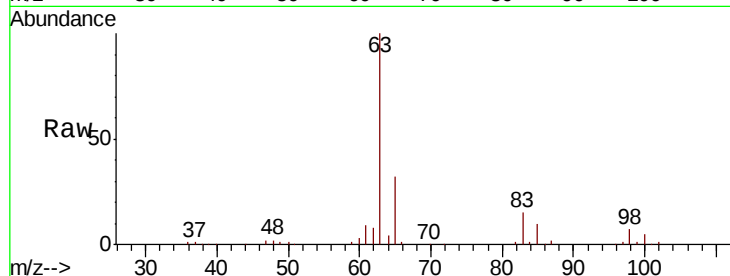
Tgt Ion: 63 Resp: 231903

Ion Ratio Lower Upper

63 100

65 31.5 22.1 41.1

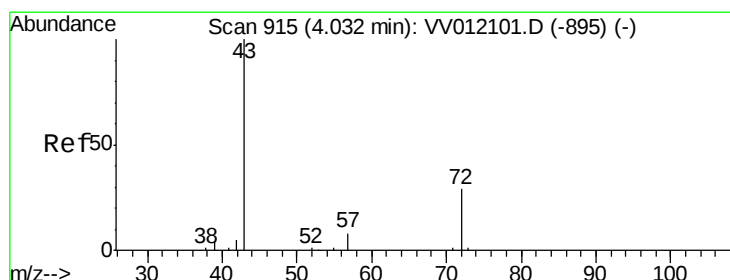
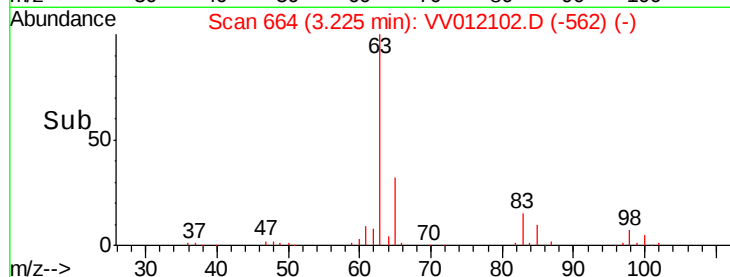
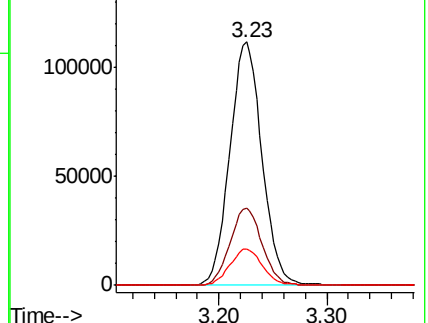
83 15.1 10.9 20.2



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: 82.643 ug/L

RT: 4.03 min Scan# 914

Delta R.T. -0.00 min

Lab File: VV012102.D

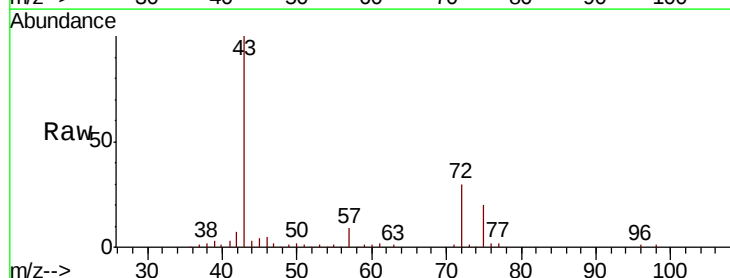
Acq: 03 Aug 2019 10:59

Tgt Ion: 43 Resp: 132358

Ion Ratio Lower Upper

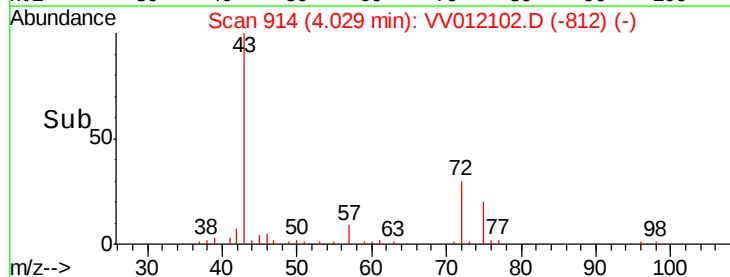
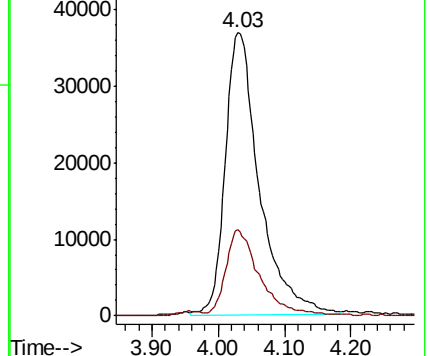
43 100

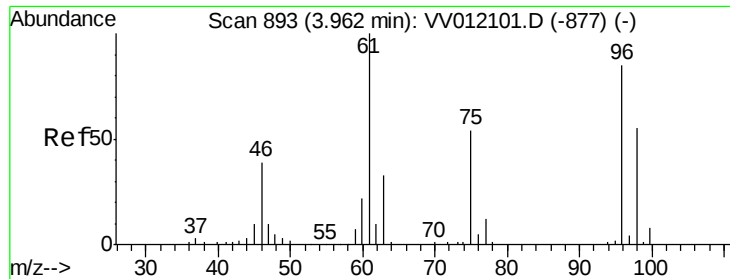
72 28.0 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



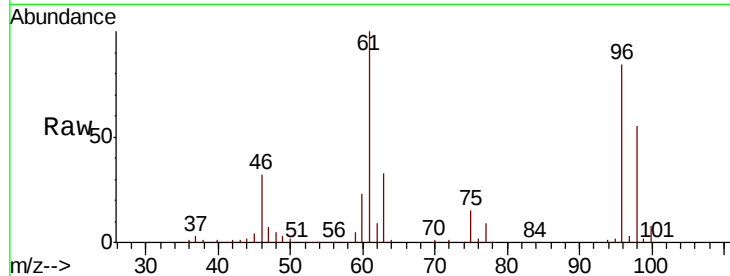


#22

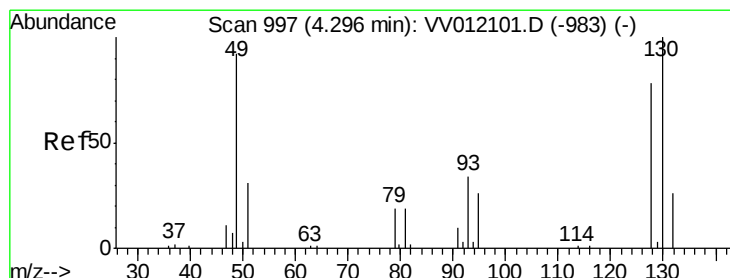
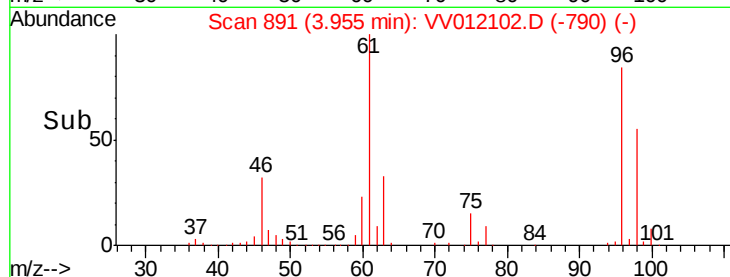
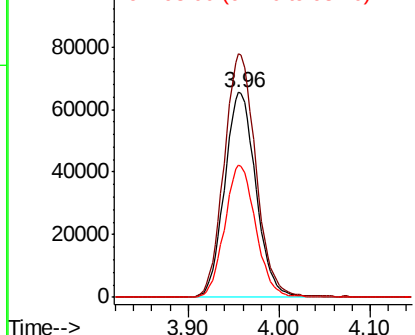
cis-1,2-Dichloroethene
 Concen: 43.360 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Tgt Ion: 96 Resp: 156926
 Ion Ratio Lower Upper
 96 100
 61 118.7 82.4 153.0
 98 64.7 45.3 84.1



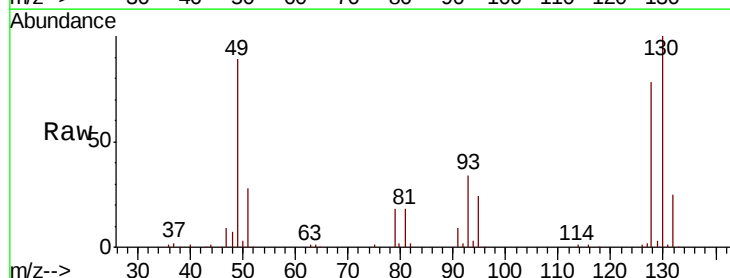
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



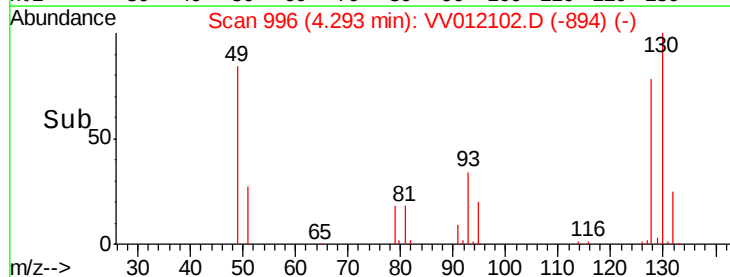
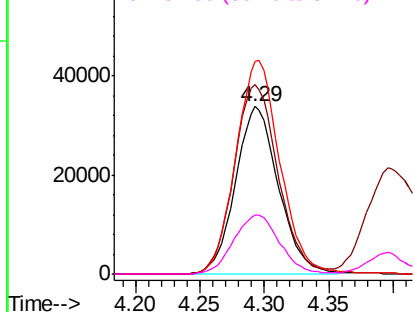
#23

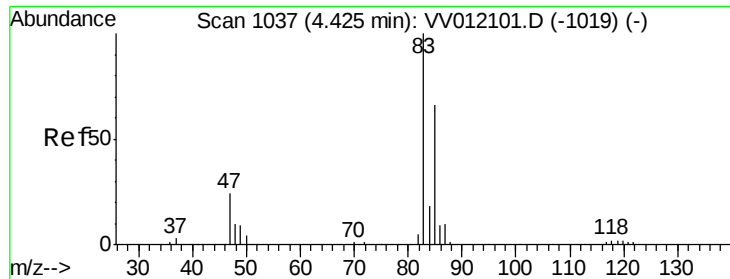
Bromochloromethane
 Concen: 47.984 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

Tgt Ion: 128 Resp: 78479
 Ion Ratio Lower Upper
 128 100
 49 113.1 83.9 155.7
 130 127.5 90.0 167.2
 51 35.1 31.4 47.2



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

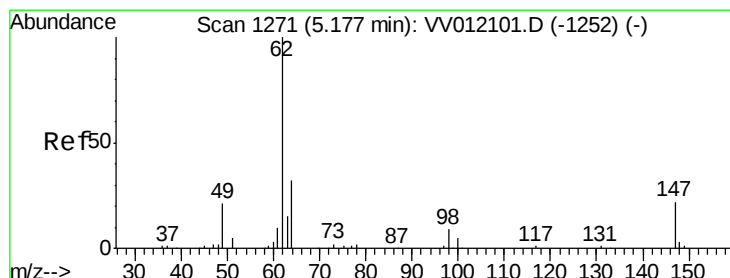
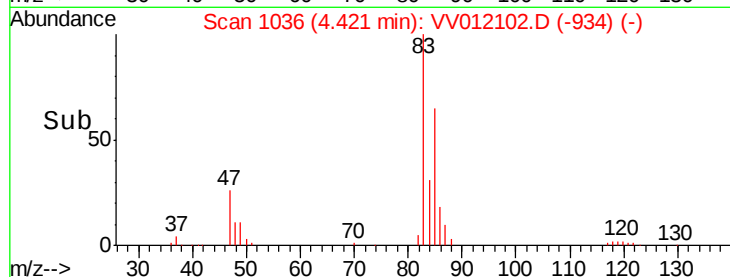
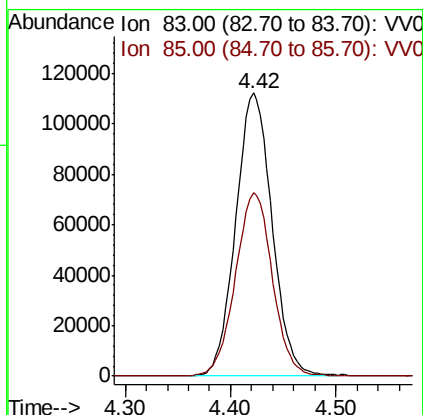
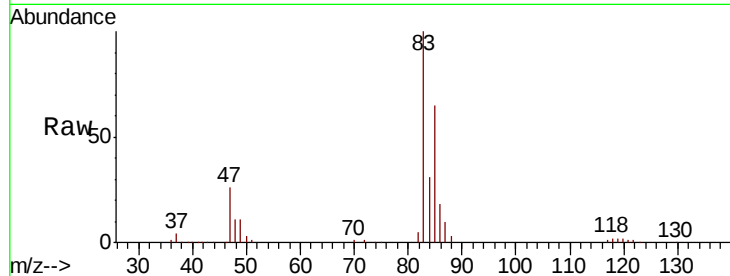




#25
 Chloroform
 Concen: 40.516 ug/L
 RT: 4.42 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

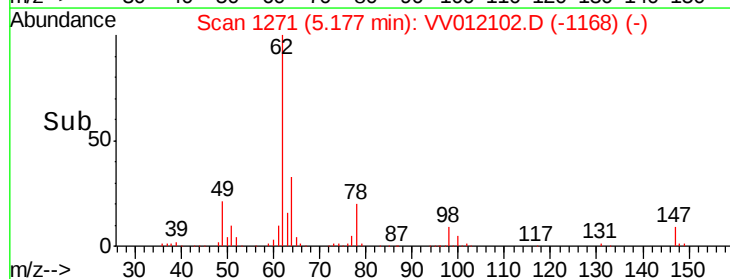
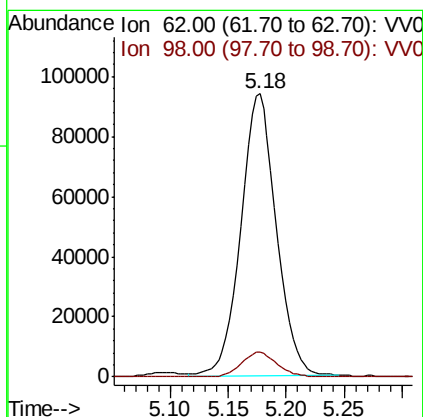
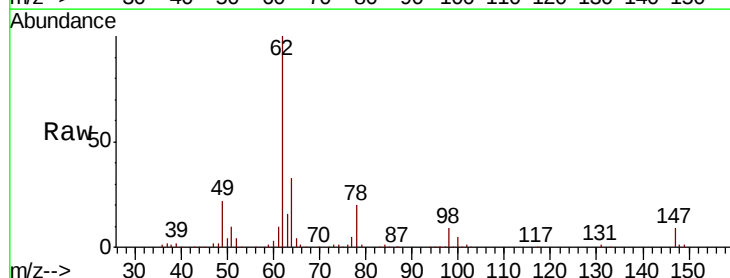
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

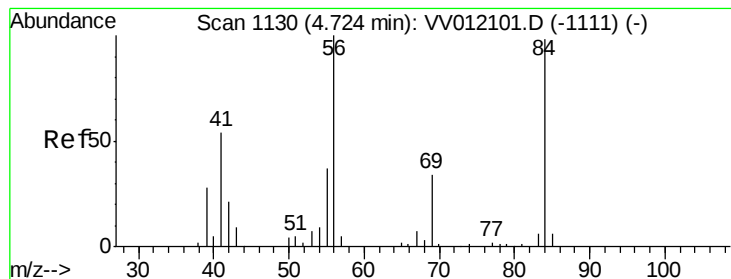
Tgt Ion: 83 Resp: 268593
 Ion Ratio Lower Upper
 83 100
 85 66.2 46.2 85.8



#27
 1,2-Dichloroethane
 Concen: 42.474 ug/L
 RT: 5.18 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

Tgt Ion: 62 Resp: 199629
 Ion Ratio Lower Upper
 62 100
 98 8.6 7.0 10.4





#30

Cyclohexane

Concen: 35.466 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

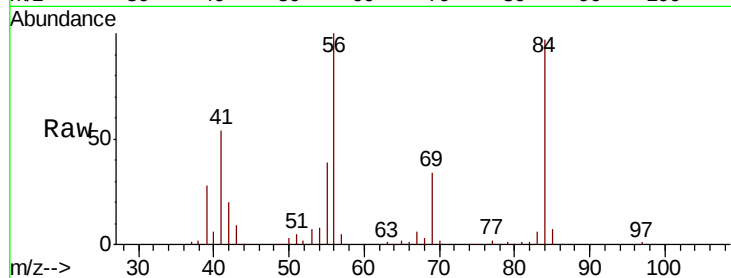
Tgt Ion: 56 Resp: 203004

Ion Ratio Lower Upper

56 100

69 33.6 27.4 41.0

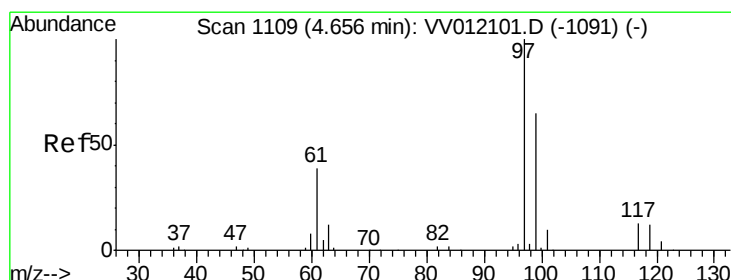
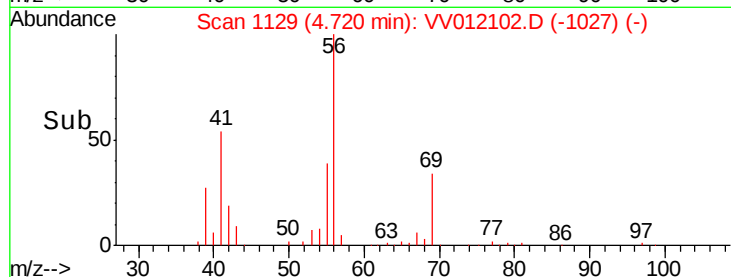
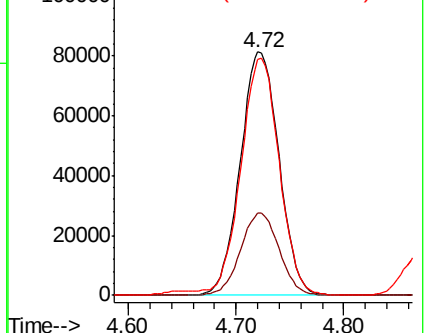
84 95.4 78.6 118.0



Abundance Ion 56.00 (55.70 to 56.70): VV012101.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV012101.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV012101.D (-1111) (-)



#31

1,1,1-Trichloroethane

Concen: 48.877 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

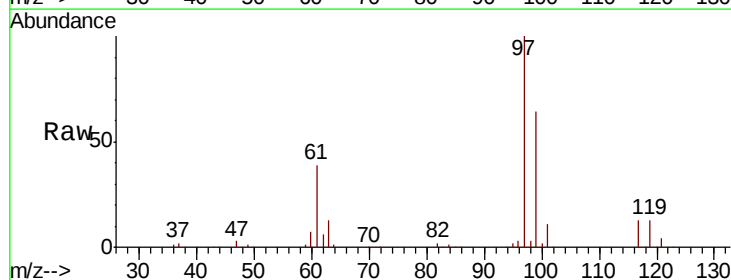
Tgt Ion: 97 Resp: 256548

Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

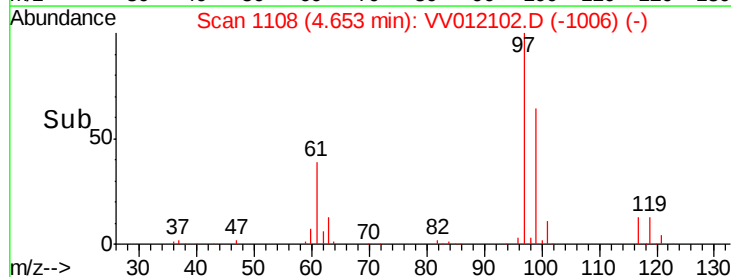
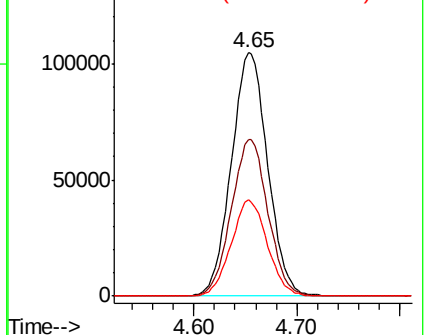
61 39.5 30.6 46.0

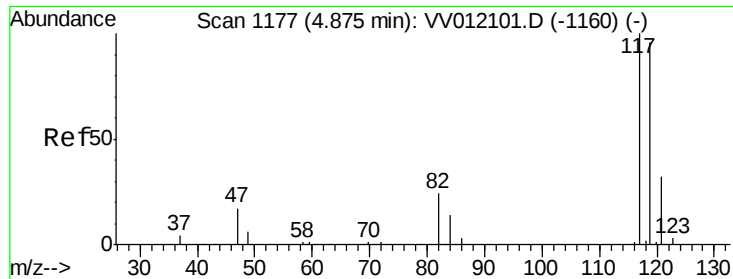


Abundance Ion 97.00 (96.70 to 97.70): VV012101.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV012101.D (-1091) (-)

Ion 61.00 (60.70 to 61.70): VV012101.D (-1091) (-)





#32

Carbon tetrachloride

Concen: 52.710 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

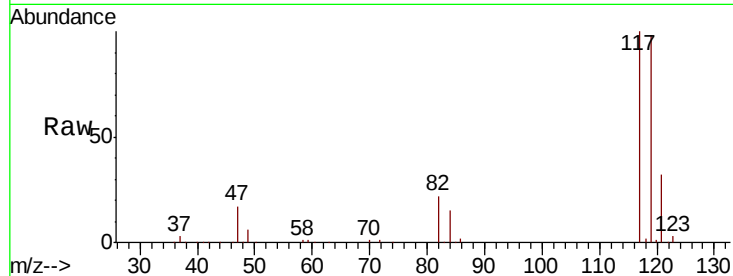
VSTD05064

Tgt Ion:117 Resp: 240416

Ion Ratio Lower Upper

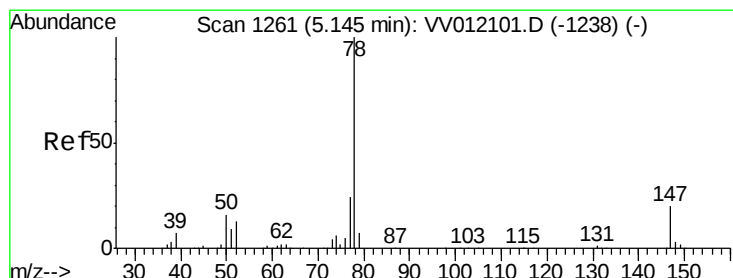
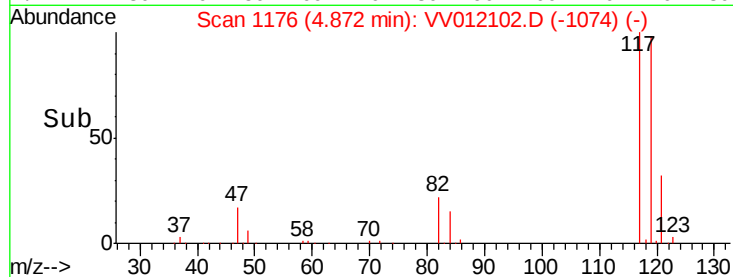
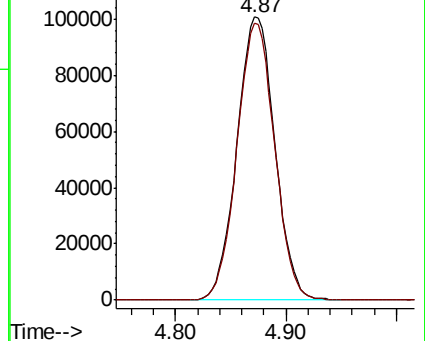
117 100

119 97.0 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 41.432 ug/L

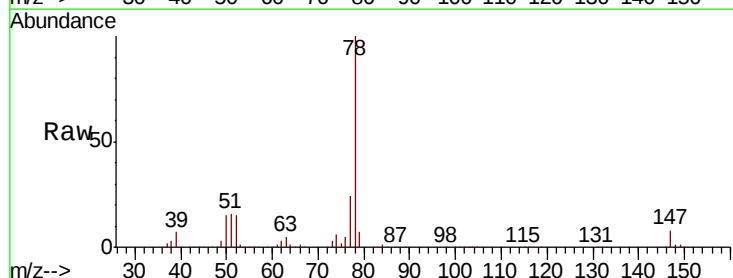
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

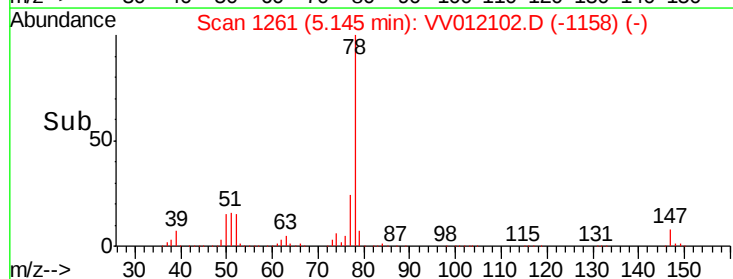
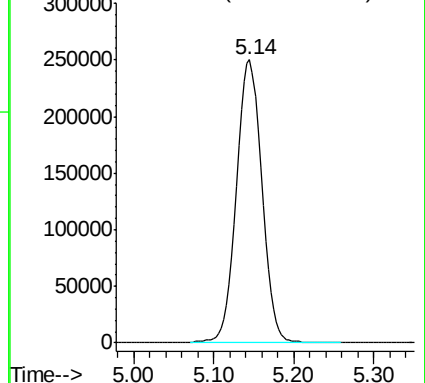
Lab File: VV012102.D

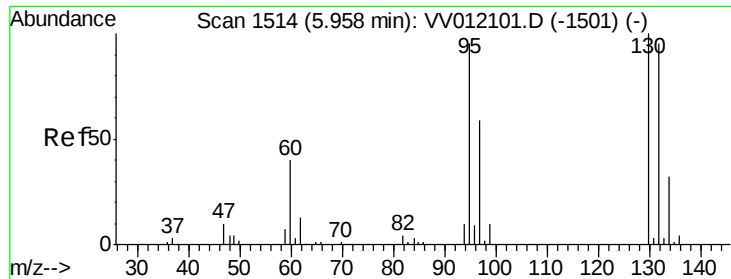
Acq: 03 Aug 2019 10:59

Tgt Ion: 78 Resp: 538462



Abundance Ion 78.00 (77.70 to 78.70): VV0

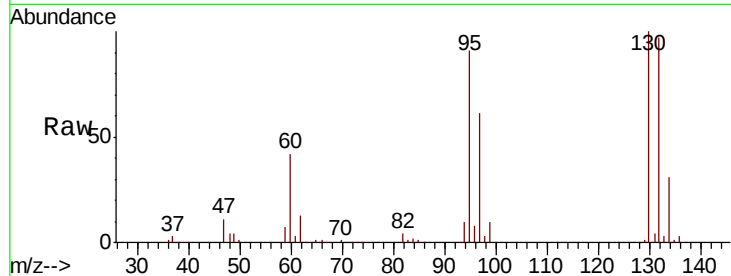




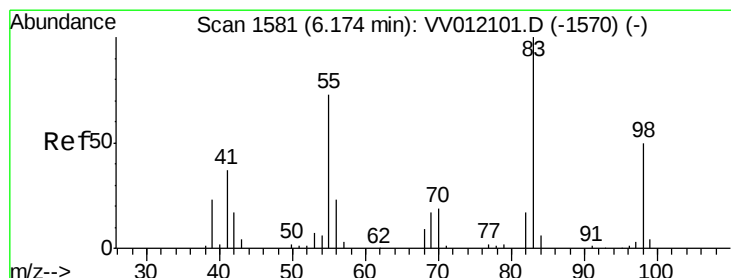
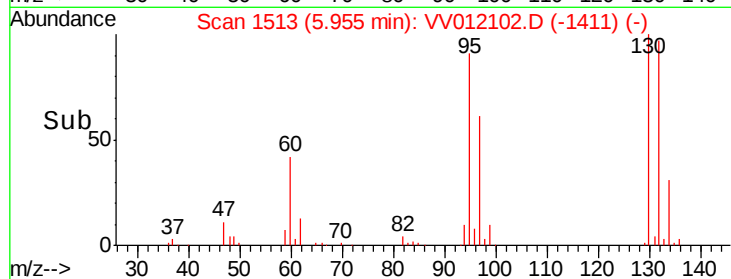
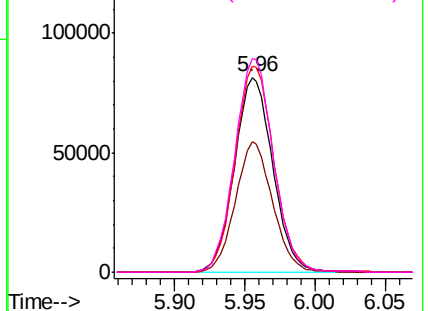
#35
 Trichloroethene
 Concen: 44.555 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Tgt Ion: 95 Resp: 155380
 Ion Ratio Lower Upper
 95 100
 97 65.1 45.4 84.2
 132 107.1 71.8 133.4
 130 110.6 75.6 140.4

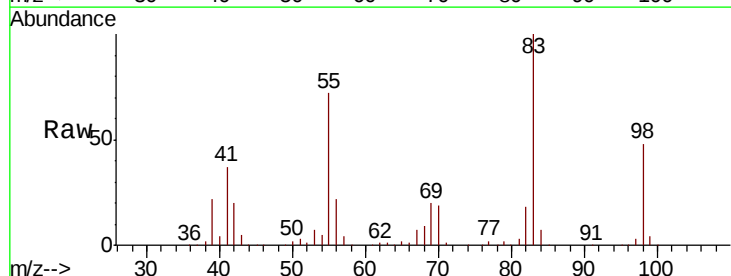


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

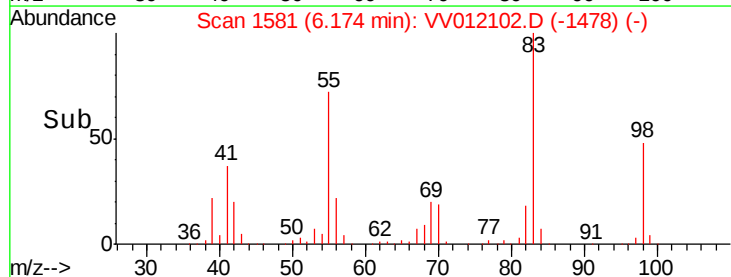
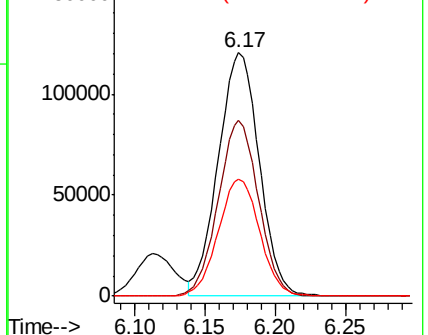


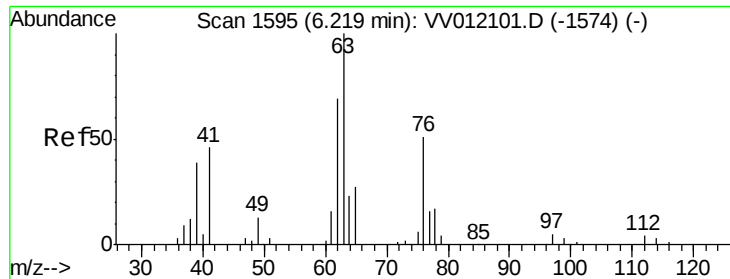
#36
 Methylcyclohexane
 Concen: 41.844 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

Tgt Ion: 83 Resp: 244696
 Ion Ratio Lower Upper
 83 100
 55 70.9 56.2 84.2
 98 48.6 37.8 56.8



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: 37.910 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

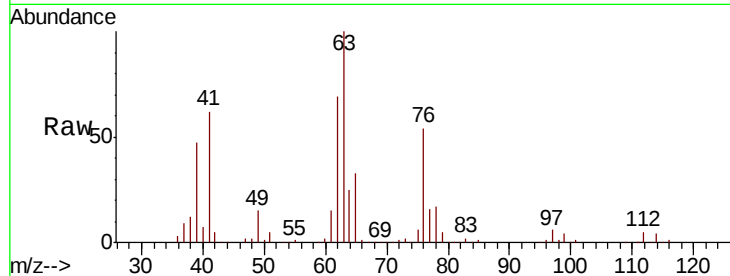
VSTD05064

Tgt Ion: 63 Resp: 127362

Ion Ratio Lower Upper

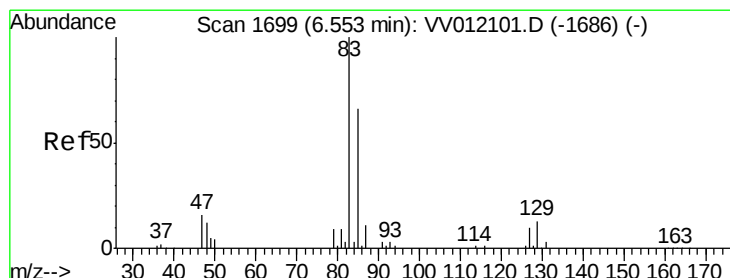
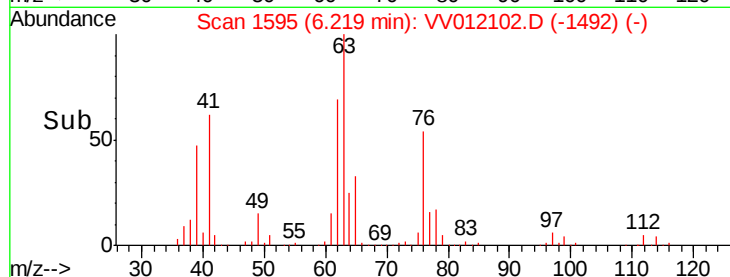
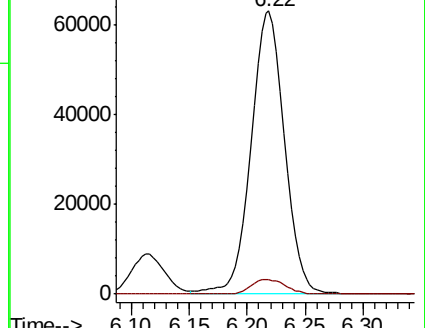
63 100

112 5.3 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VV012102.D (-1492) (-)

Ion 112.00 (111.70 to 112.70): VV012102.D (-1492) (-)



#41

Bromodichloromethane

Concen: 45.549 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

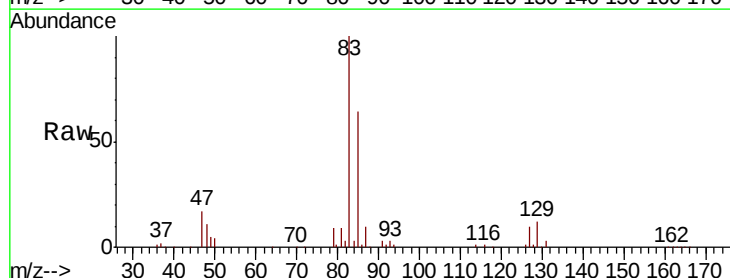
Tgt Ion: 83 Resp: 205966

Ion Ratio Lower Upper

83 100

85 64.0 46.5 86.3

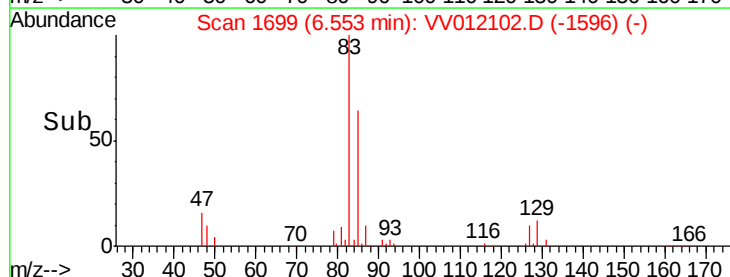
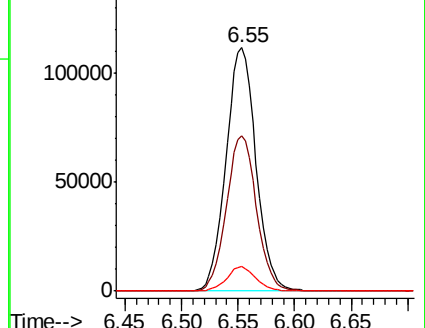
127 10.0 7.9 11.9

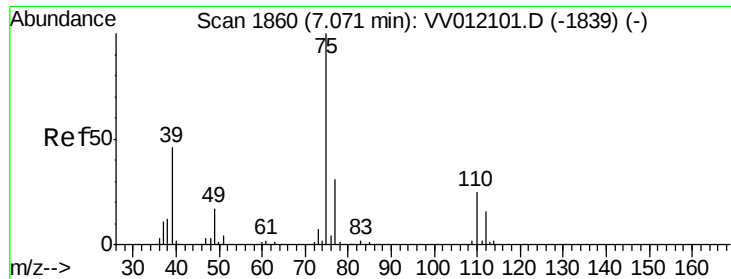


Abundance Ion 83.00 (82.70 to 83.70): VV012102.D (-1596) (-)

Ion 85.00 (84.70 to 85.70): VV012102.D (-1596) (-)

Ion 127.00 (126.70 to 127.70): VV012102.D (-1596) (-)



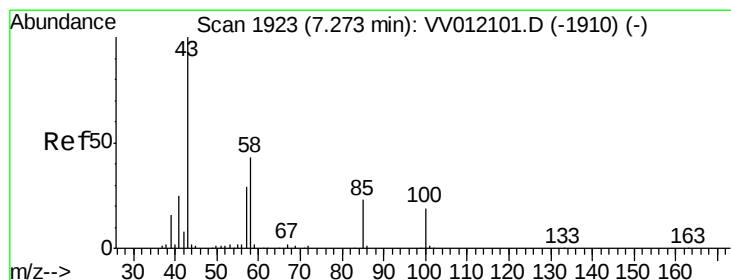
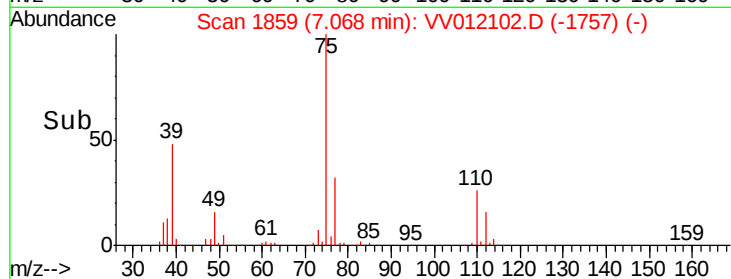
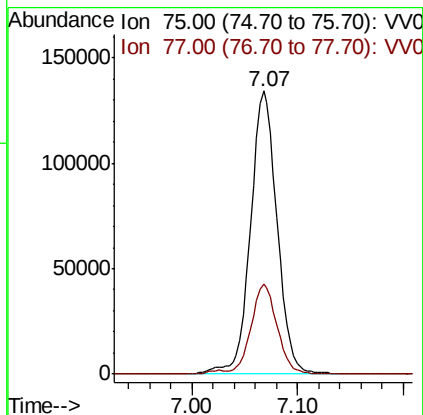
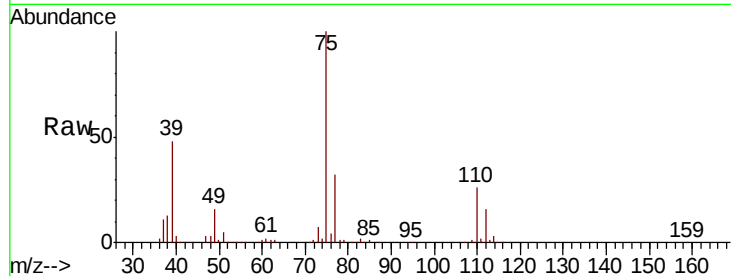


#42

cis-1,3-Dichloropropene
 Concen: 43.499 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

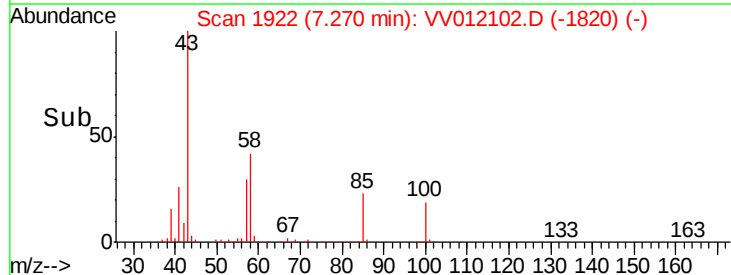
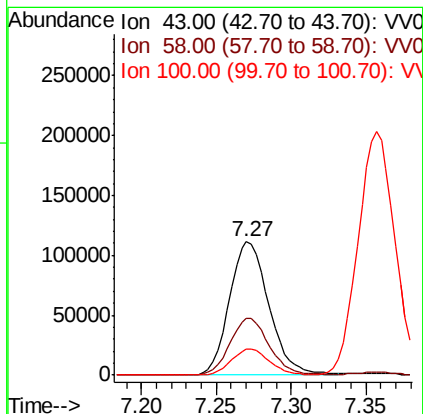
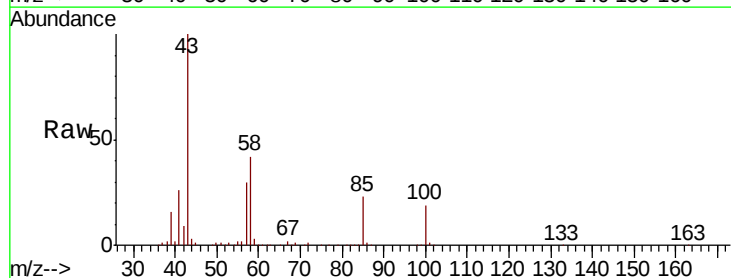
Tgt Ion: 75 Resp: 236953
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.7 40.3

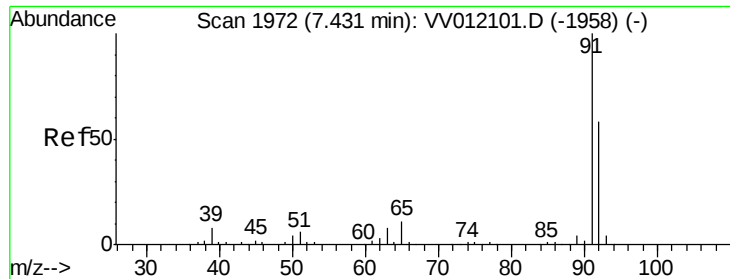


#43

4-Methyl-2-pentanone
 Concen: 66.803 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

Tgt Ion: 43 Resp: 204948
 Ion Ratio Lower Upper
 43 100
 58 42.2 33.9 50.9
 100 19.1 14.9 22.3





#44

Toluene

Concen: 43.002 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

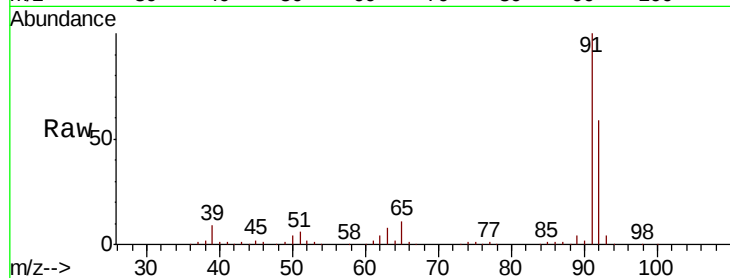
VSTD05064

Tgt Ion: 91 Resp: 616083

Ion Ratio Lower Upper

91 100

92 58.9 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

400000

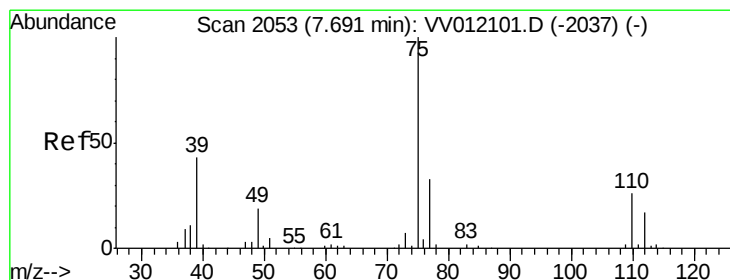
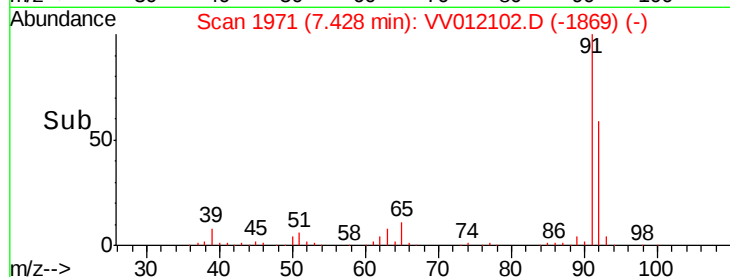
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 45.330 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012102.D

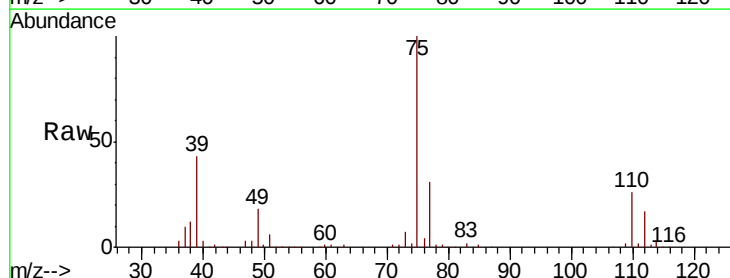
Acq: 03 Aug 2019 10:59

Tgt Ion: 75 Resp: 211372

Ion Ratio Lower Upper

75 100

77 31.4 23.3 43.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

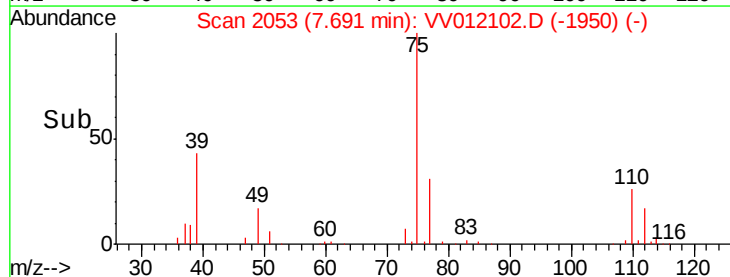
150000

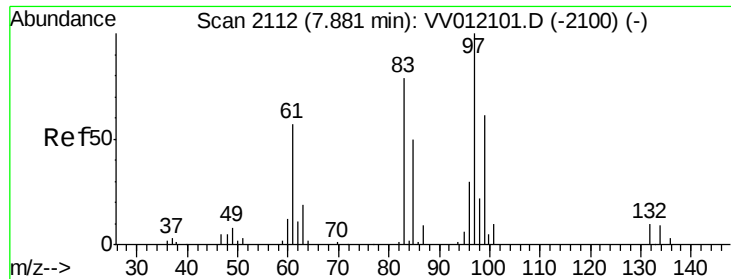
100000

50000

0

Time-->

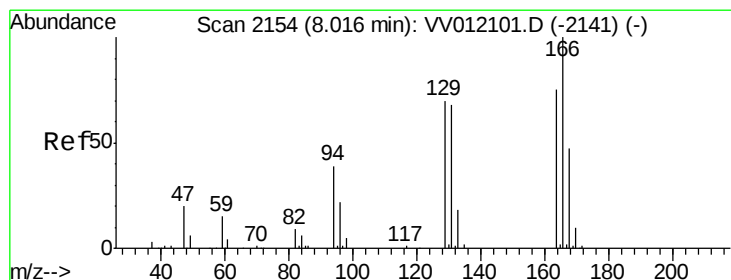
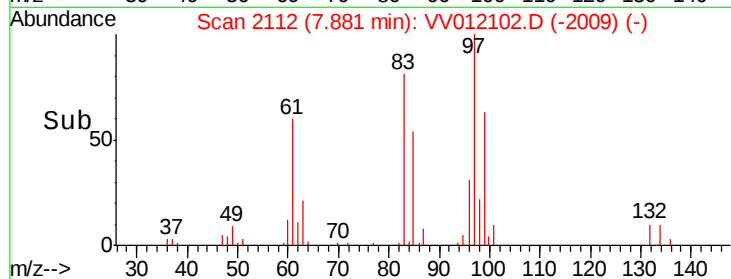
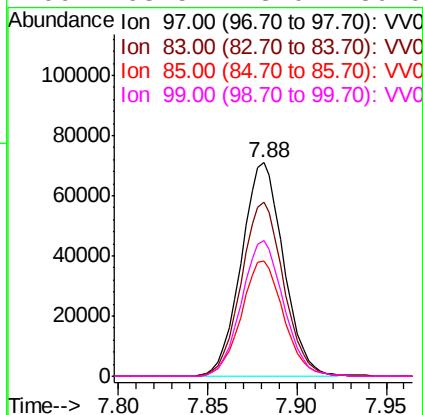
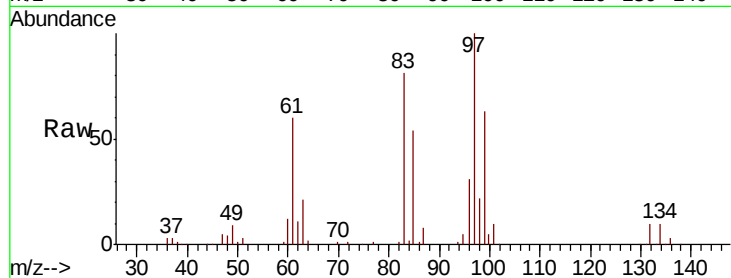




#46
 1,1,2-Trichloroethane
 Concen: 43.228 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

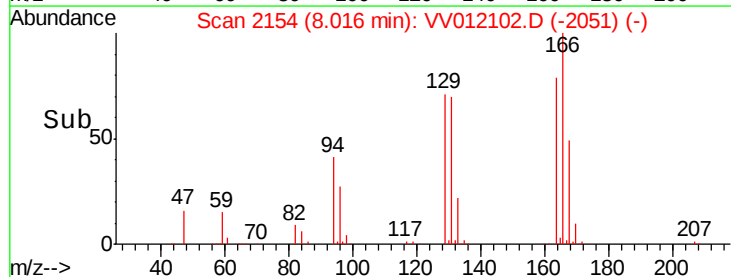
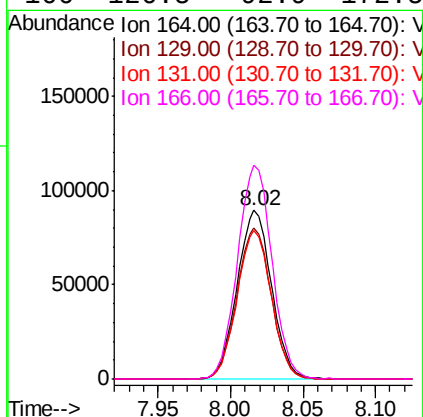
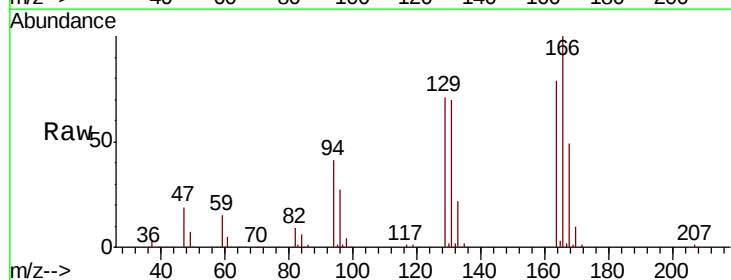
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

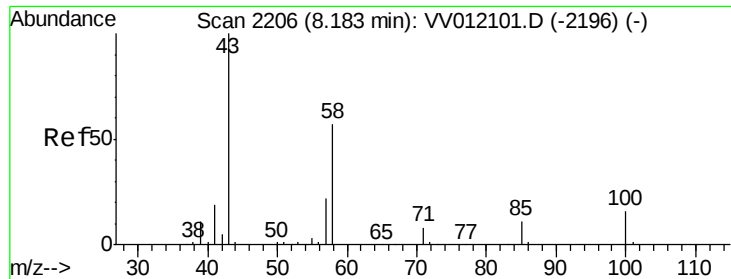
Tgt Ion:	97	Resp:	117376
Ion	Ratio	Lower	Upper
97	100		
83	81.4	55.2	102.6
85	54.1	35.4	65.7
99	63.5	43.0	80.0



#47
 Tetrachloroethene
 Concen: 54.389 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

Tgt Ion:	164	Resp:	147836
Ion	Ratio	Lower	Upper
164	100		
129	89.3	65.5	121.6
131	87.9	63.2	117.4
166	126.5	92.9	172.5

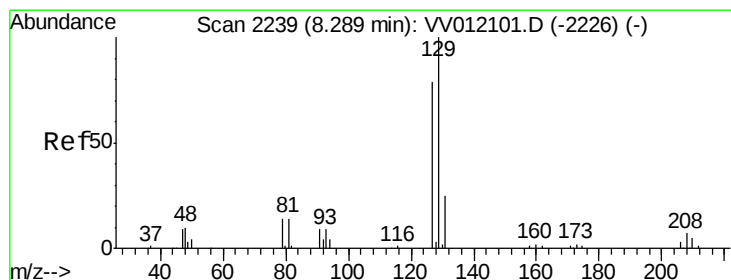
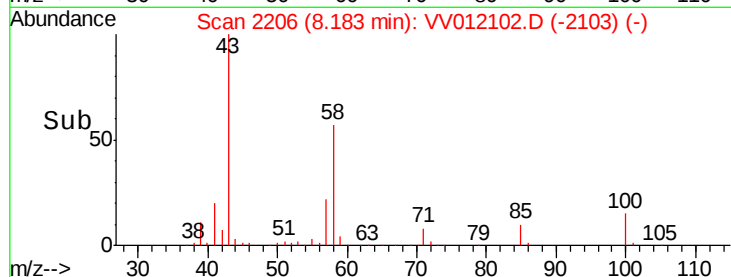
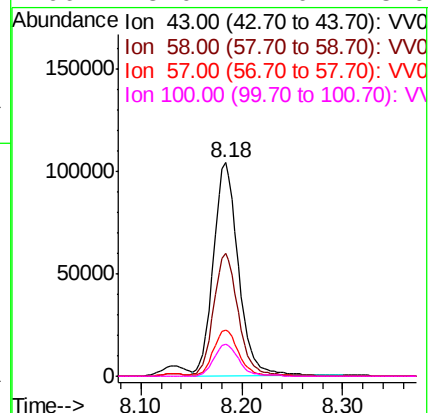
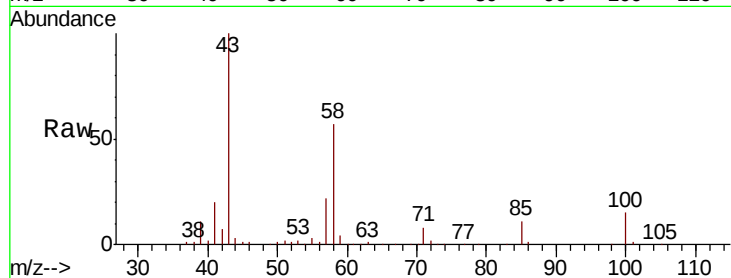




#49
2-Hexanone
Concen: 79.511 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV012102.D
Acq: 03 Aug 2019 10:59

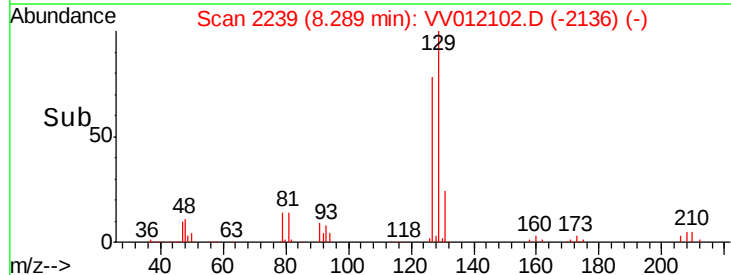
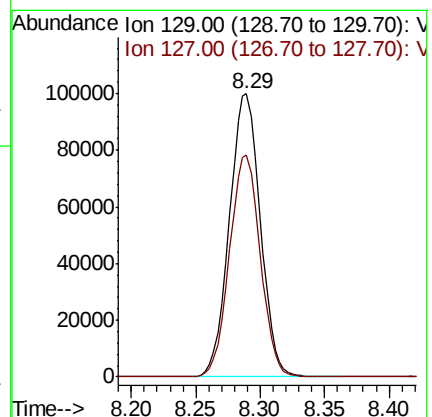
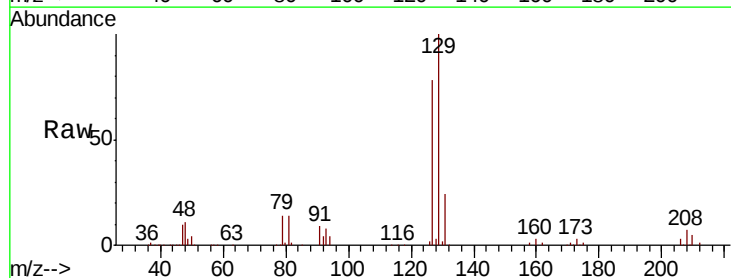
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

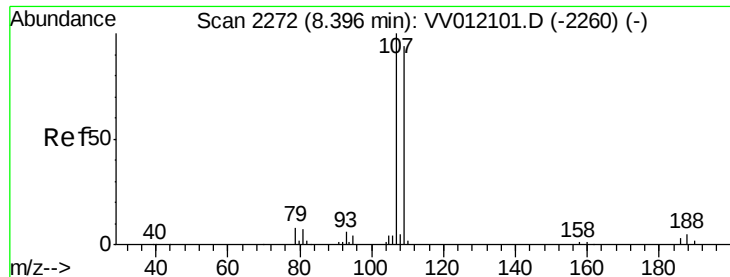
Tgt Ion: 43 Resp: 179340
Ion Ratio Lower Upper
43 100
58 55.2 45.7 68.5
57 21.8 18.1 27.1
100 15.0 12.0 18.0



#50
Dibromochloromethane
Concen: 52.191 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012102.D
Acq: 03 Aug 2019 10:59

Tgt Ion: 129 Resp: 166389
Ion Ratio Lower Upper
129 100
127 78.3 55.4 103.0

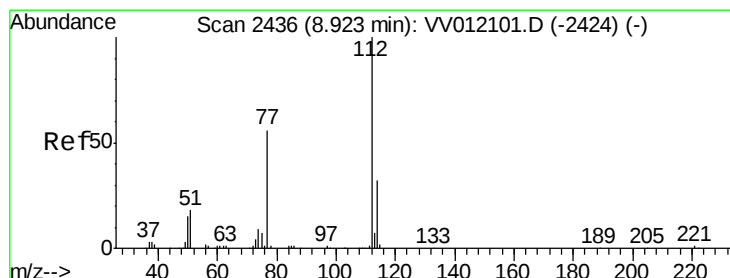
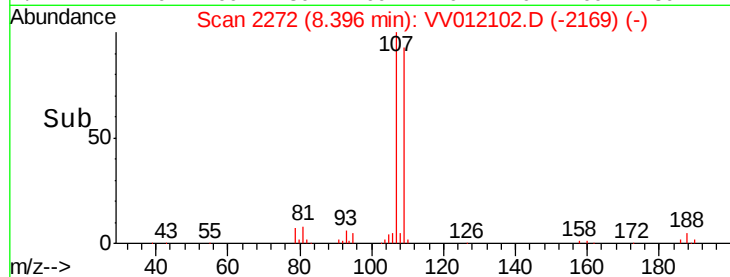
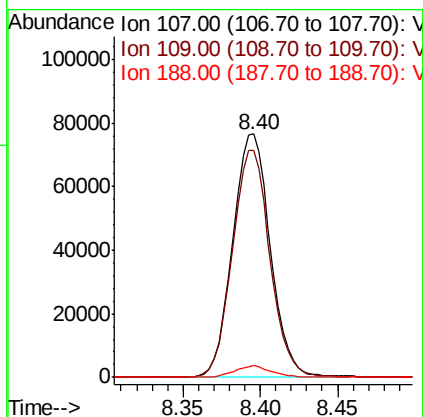
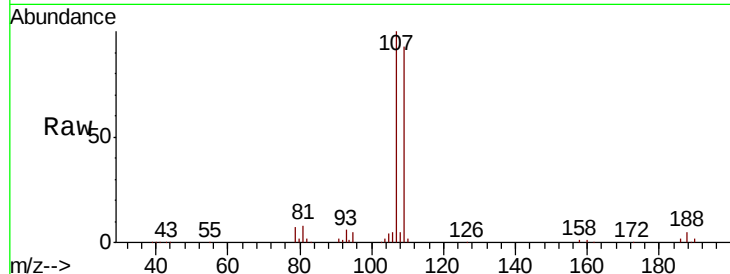




#51
 1,2-Dibromoethane
 Concen: 48.039 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

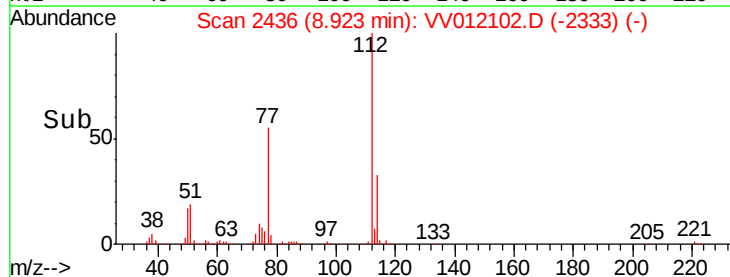
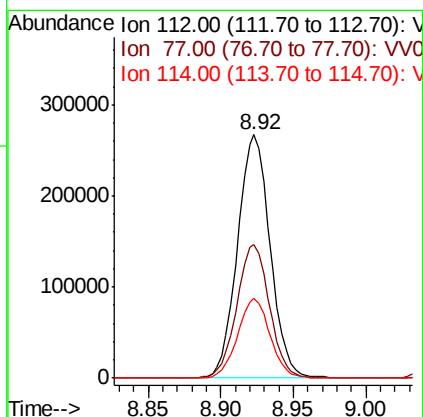
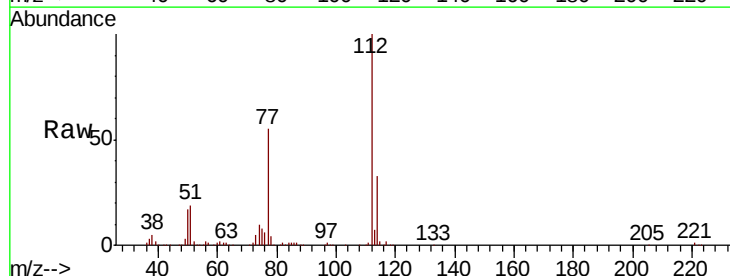
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

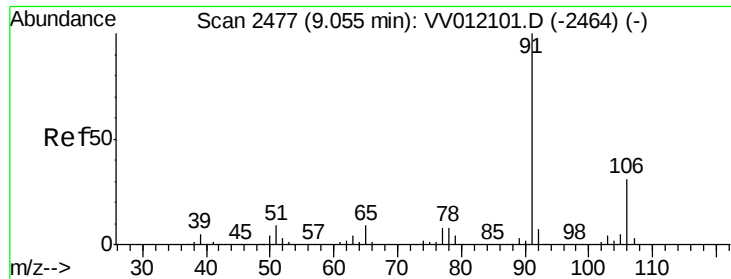
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	65.7	121.9
188	4.6	3.9	5.9



#52
 Chlorobenzene
 Concen: 44.956 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.0	45.3	67.9
114	32.8	22.5	41.7

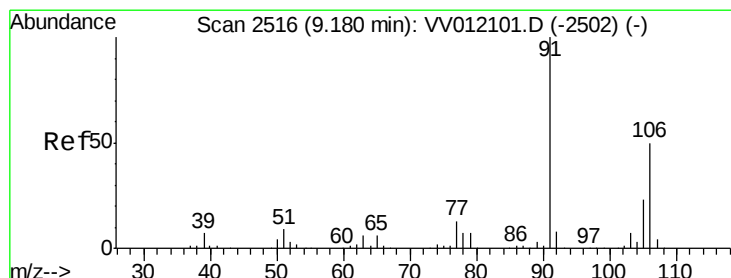
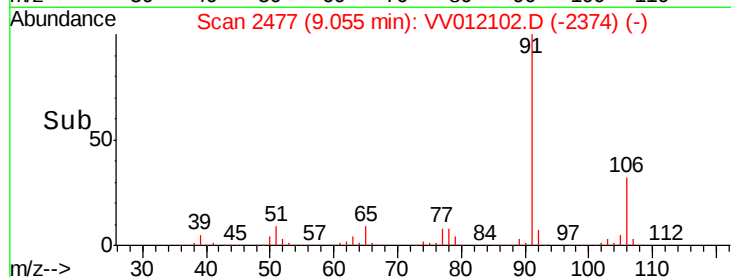
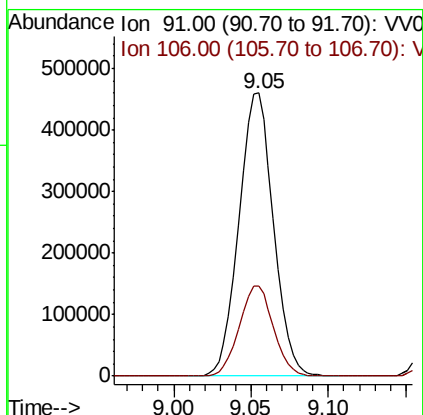
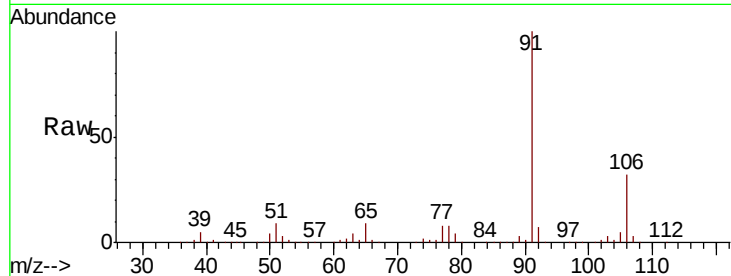




#53
Ethylbenzene
Concen: 43.403 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012102.D
Acq: 03 Aug 2019 10:59

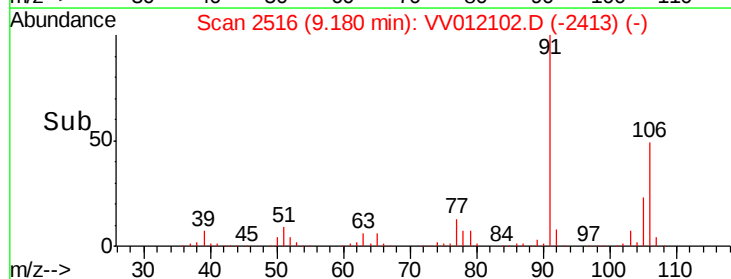
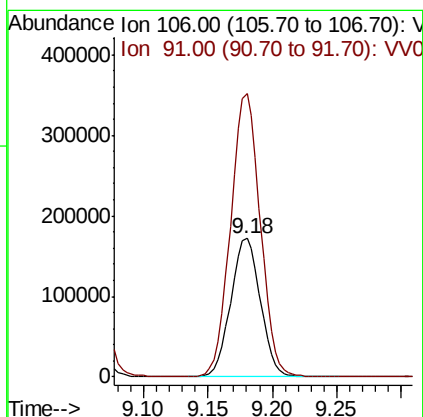
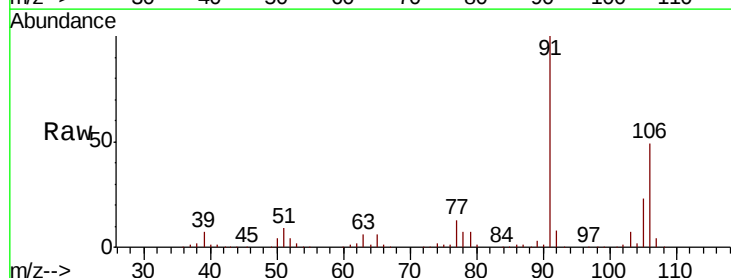
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

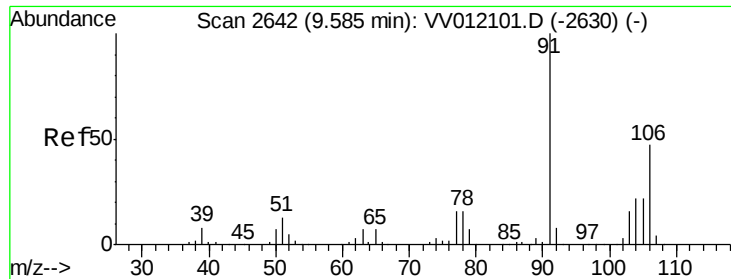
Tgt Ion: 91 Resp: 712373
Ion Ratio Lower Upper
91 100
106 32.0 21.8 40.6



#54
m,p-Xylene
Concen: 44.358 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012102.D
Acq: 03 Aug 2019 10:59

Tgt Ion: 106 Resp: 274075
Ion Ratio Lower Upper
106 100
91 204.2 139.6 259.2





#55

o-xylene

Concen: 43.590 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

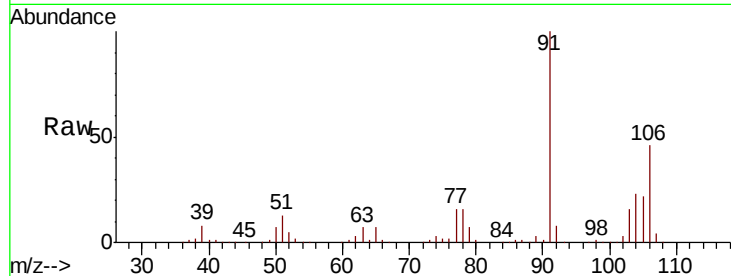
VSTD05064

Tgt Ion:106 Resp: 263423

Ion Ratio Lower Upper

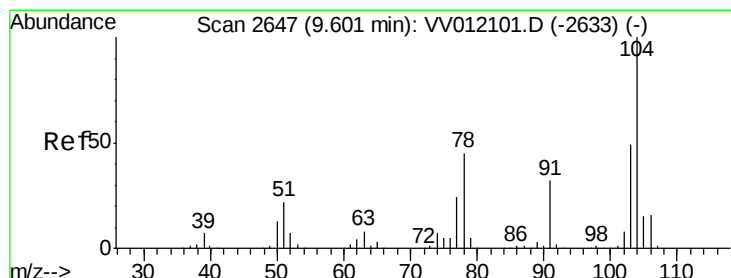
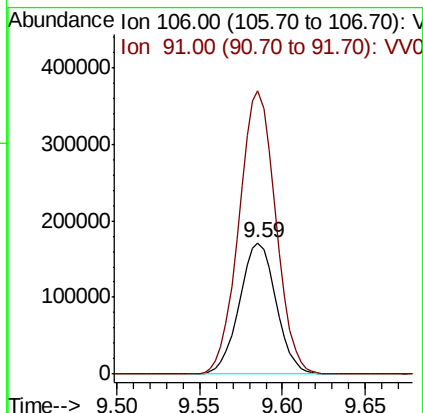
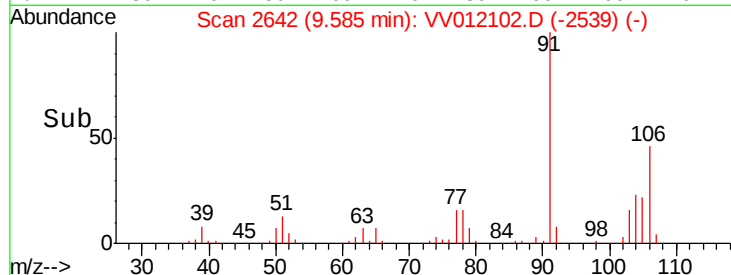
106 100

91 215.9 149.4 277.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 45.169 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012102.D

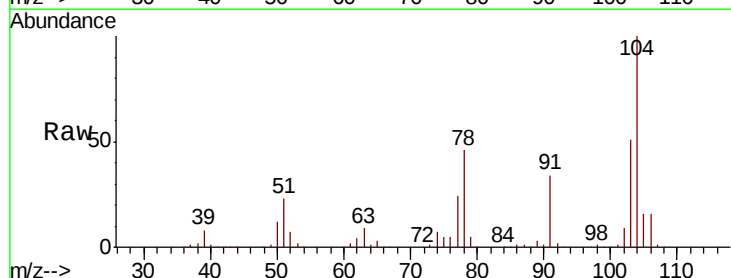
Acq: 03 Aug 2019 10:59

Tgt Ion:104 Resp: 458742

Ion Ratio Lower Upper

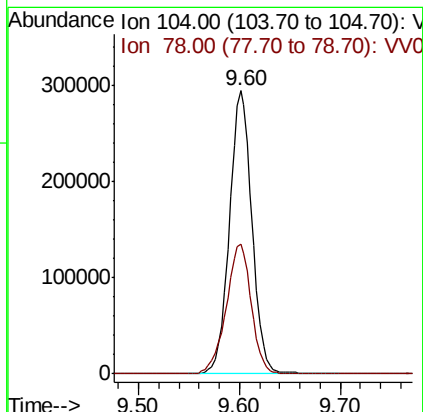
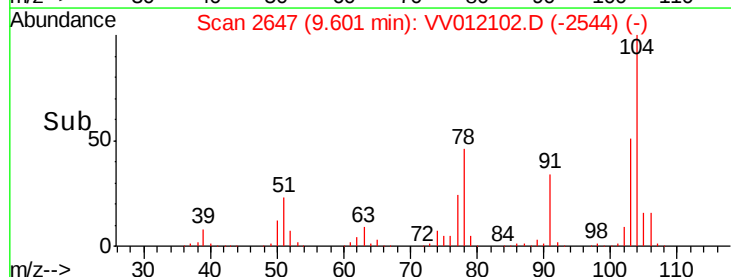
104 100

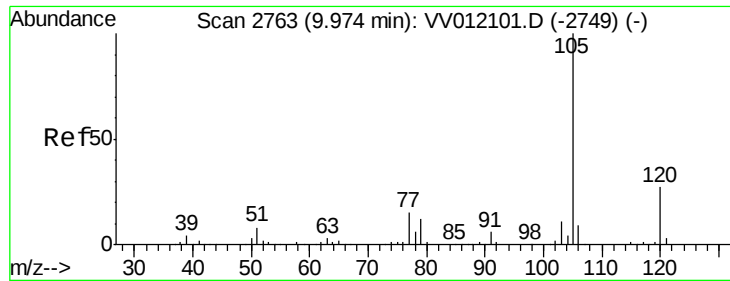
78 45.9 31.4 58.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 44.535 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

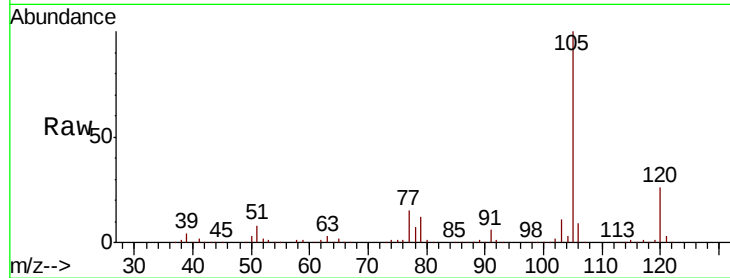
Tgt Ion: 105 Resp: 721844

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.0

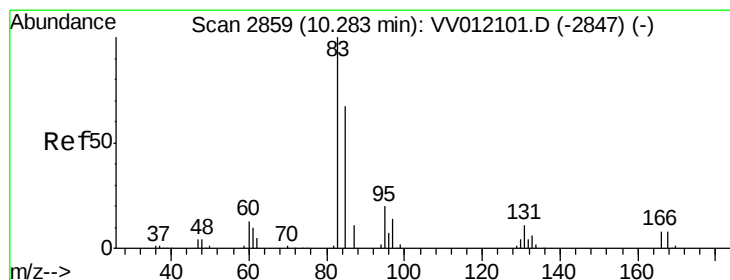
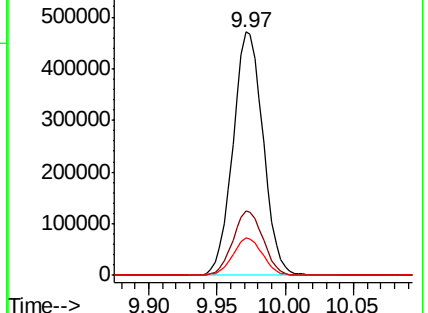
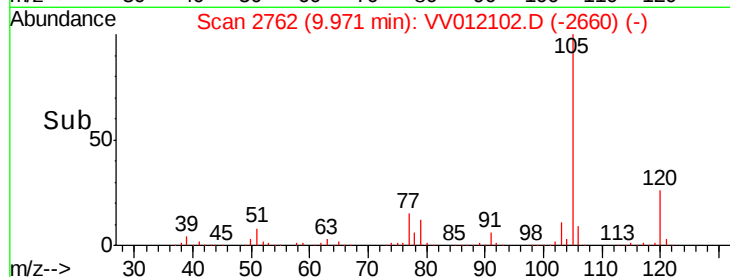
77 15.3 12.1 18.1



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: 40.425 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

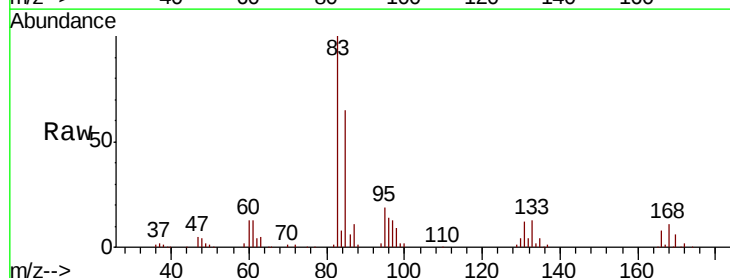
Tgt Ion: 83 Resp: 148169

Ion Ratio Lower Upper

83 100

85 65.4 47.2 87.6

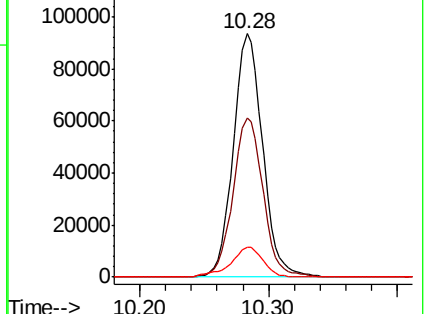
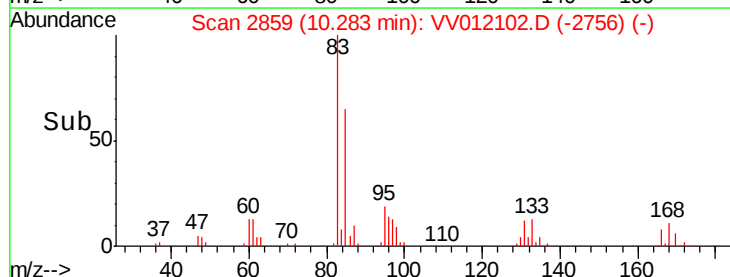
131 12.1 9.6 14.4

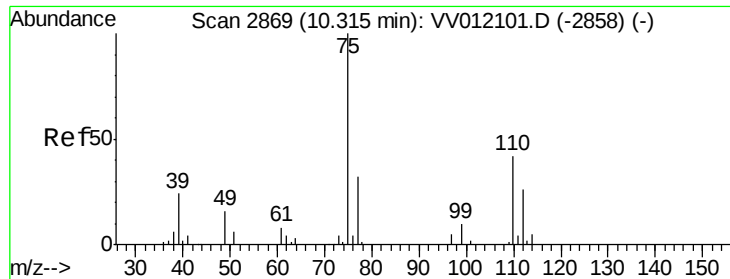


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 41.726 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

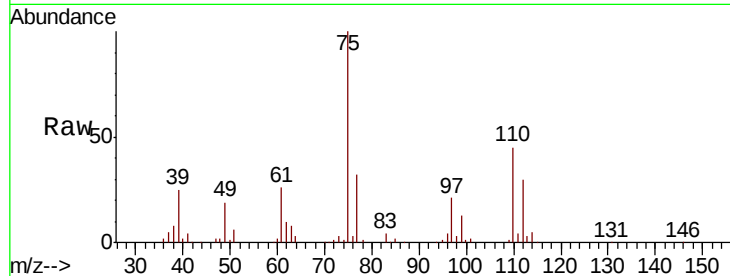
VSTD05064

Tgt Ion: 75 Resp: 116499

Ion Ratio Lower Upper

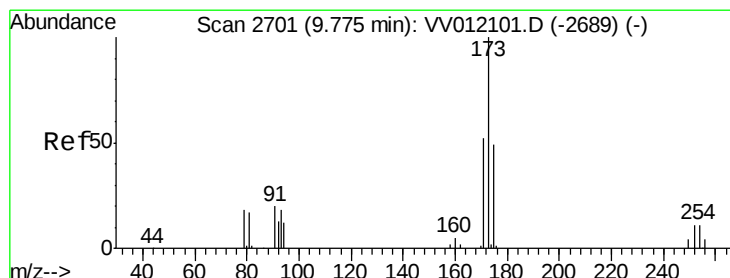
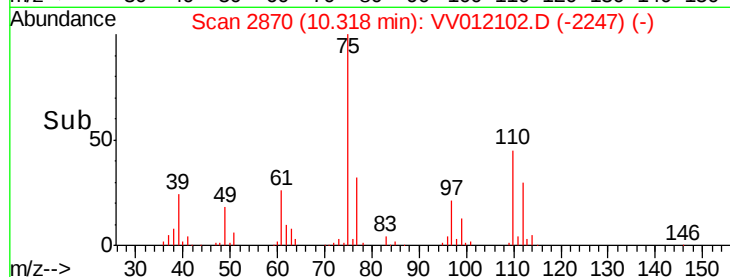
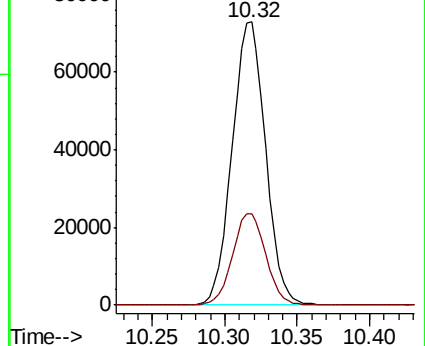
75 100

77 32.2 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV012101.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV012101.D (-2858) (-)



#62

Bromoform

Concen: 57.448 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

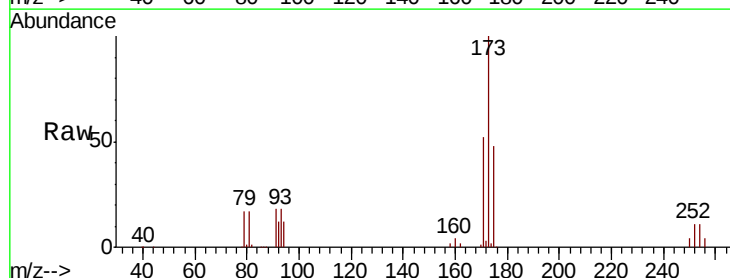
Tgt Ion: 173 Resp: 121164

Ion Ratio Lower Upper

173 100

175 47.3 37.9 56.9

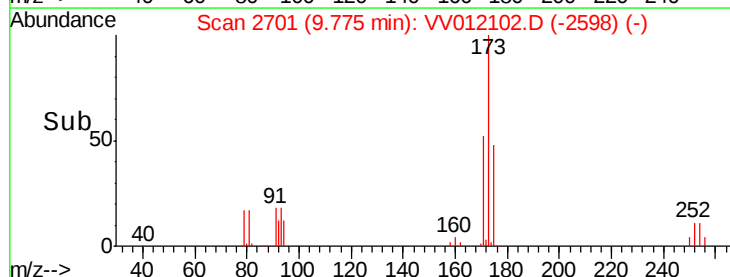
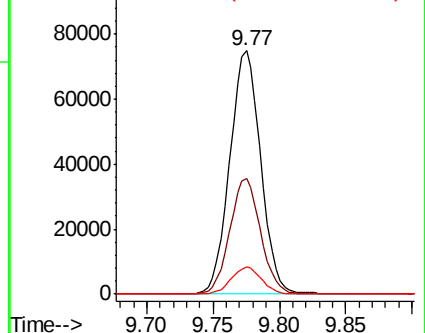
254 10.8 8.2 12.4

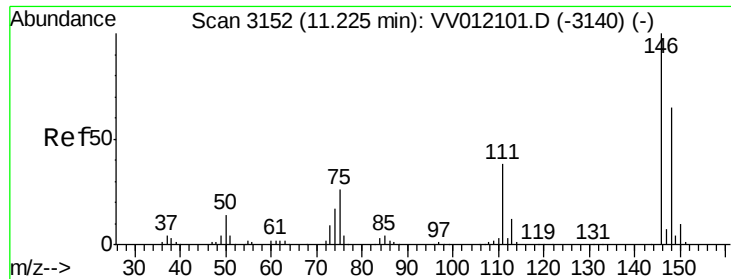


Abundance Ion 173.00 (172.70 to 173.70): VV012101.D (-2689) (-)

Ion 175.00 (174.70 to 175.70): VV012101.D (-2689) (-)

Ion 254.00 (253.70 to 254.70): VV012101.D (-2689) (-)

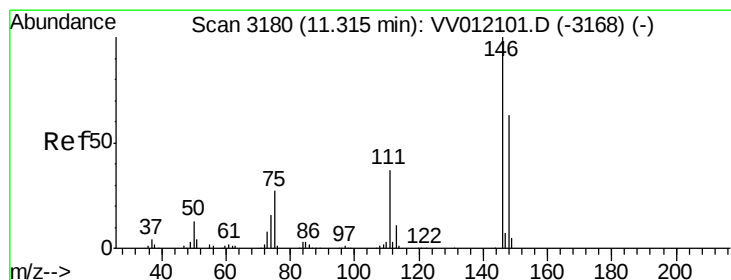
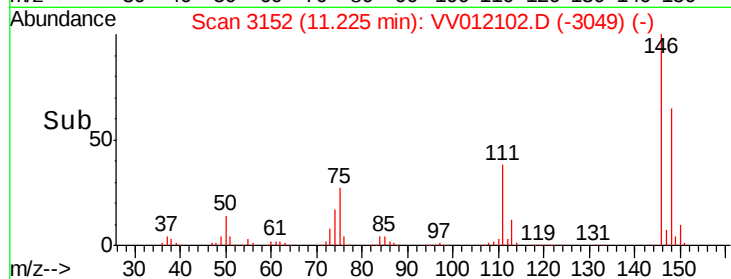
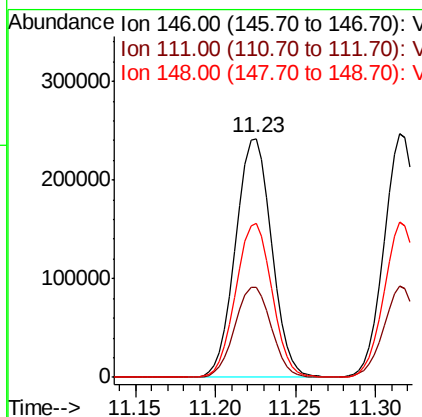
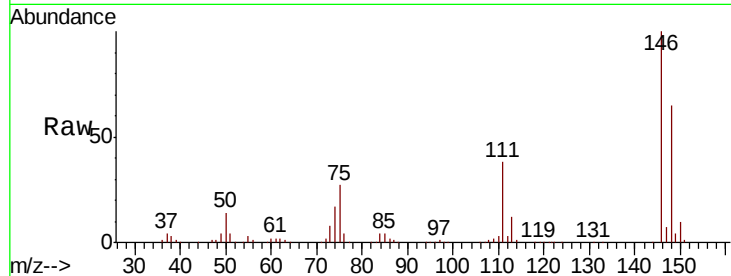




#63
 1,3-Dichlorobenzene
 Concen: 45.141 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

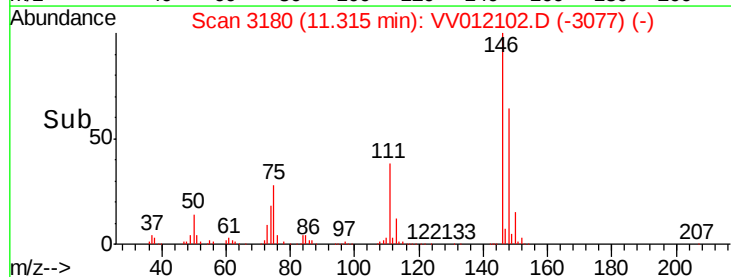
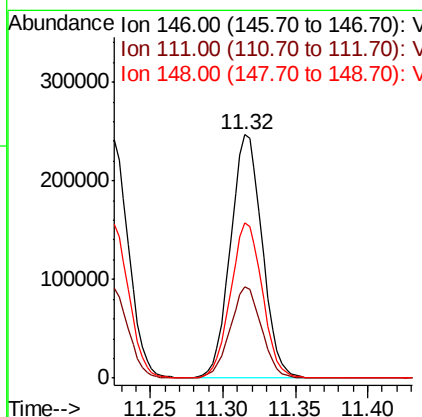
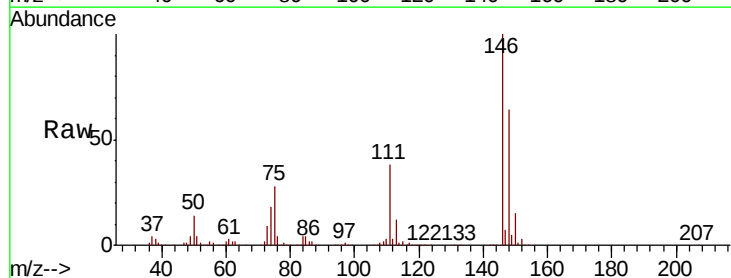
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

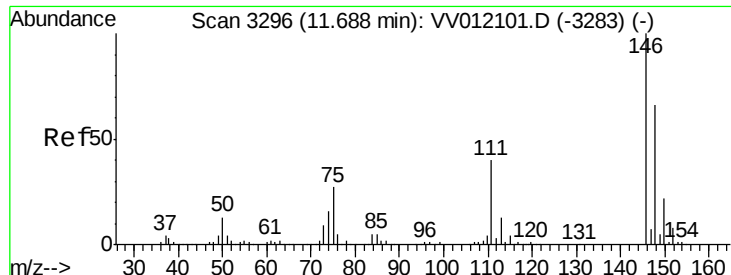
Tgt Ion:146 Resp: 371906
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.7 49.5
 148 64.5 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 44.910 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

Tgt Ion:146 Resp: 374712
 Ion Ratio Lower Upper
 146 100
 111 37.6 25.9 48.1
 148 63.5 44.4 82.4





#65

1,2-Dichlorobenzene

Concen: 45.008 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

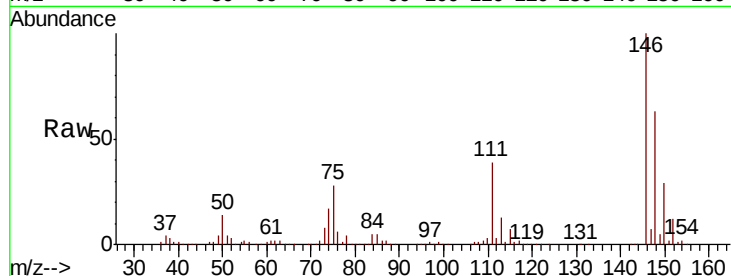
Tgt Ion: 146 Resp: 349147

Ion Ratio Lower Upper

146 100

111 39.5 32.2 48.4

148 63.3 52.6 78.8

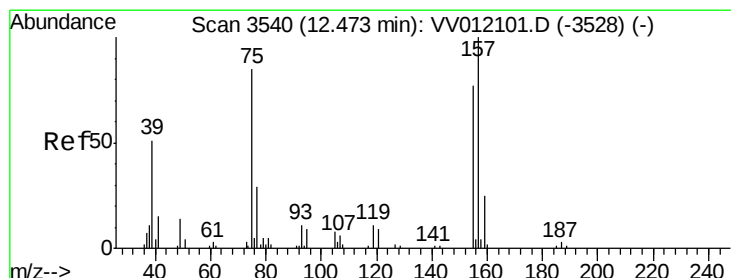
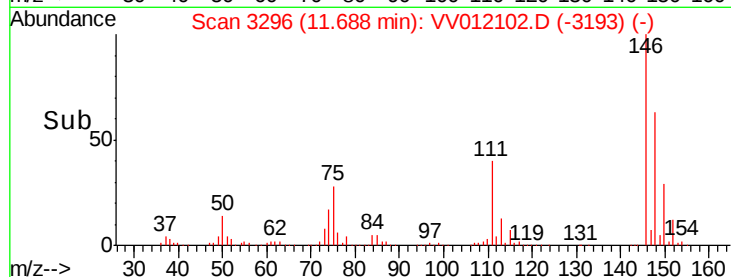
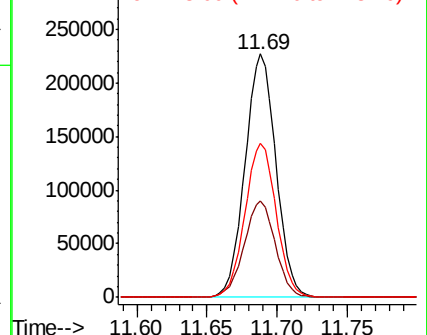


Abundance

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: 44.475 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

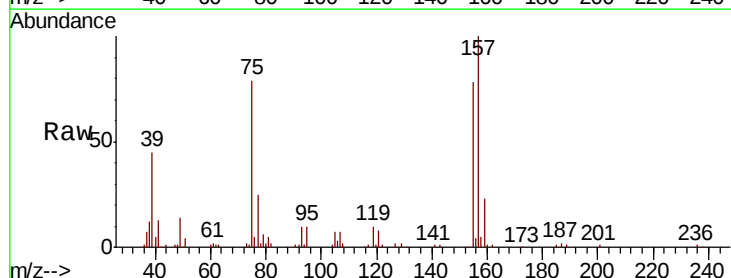
Tgt Ion: 75 Resp: 34995

Ion Ratio Lower Upper

75 100

157 126.0 94.4 141.6

155 98.8 72.6 108.8

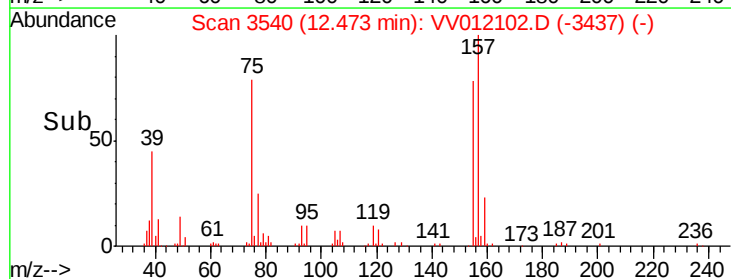
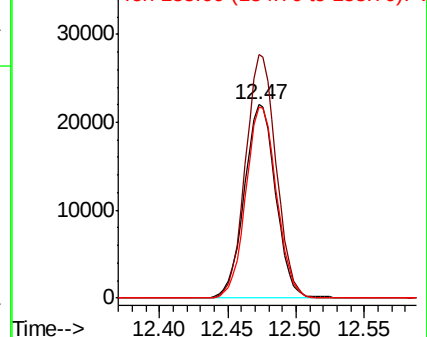


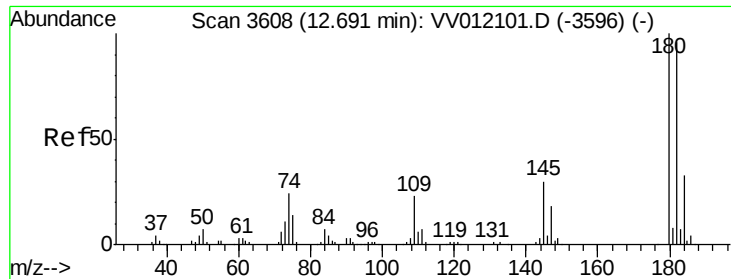
Abundance

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

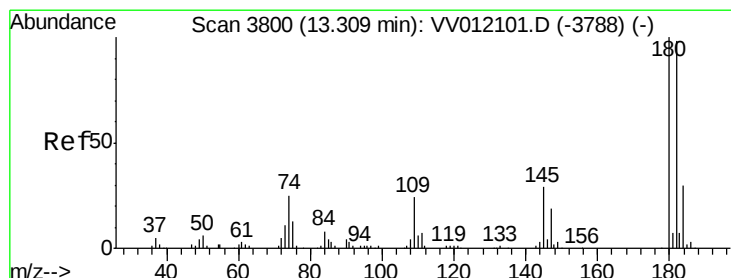
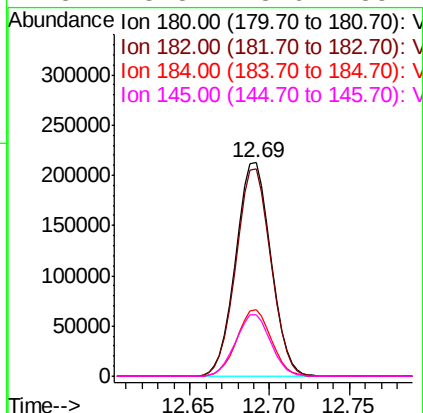
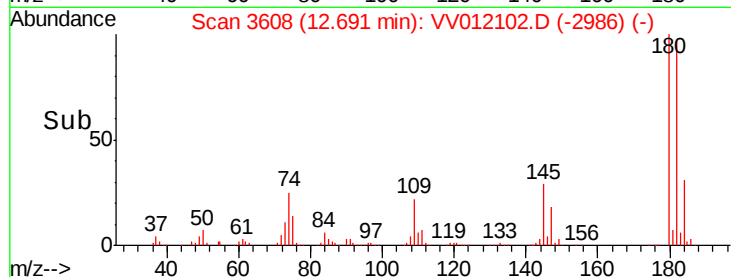
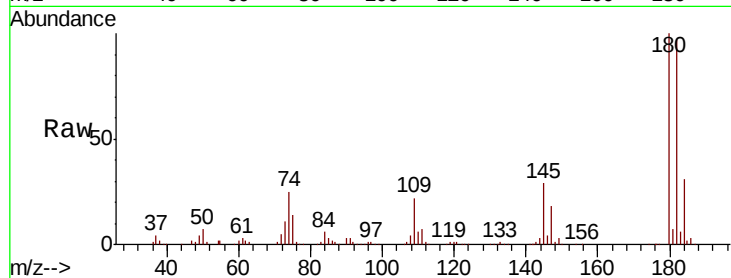




#67
 1,3,5-Trichlorobenzene
 Concen: 50.539 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

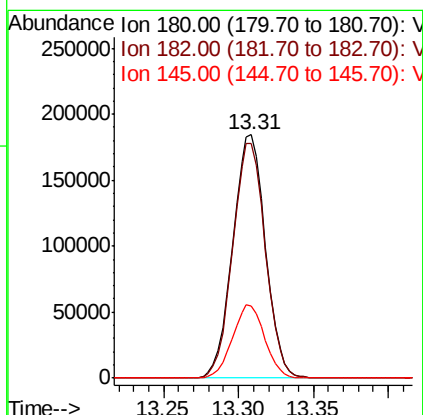
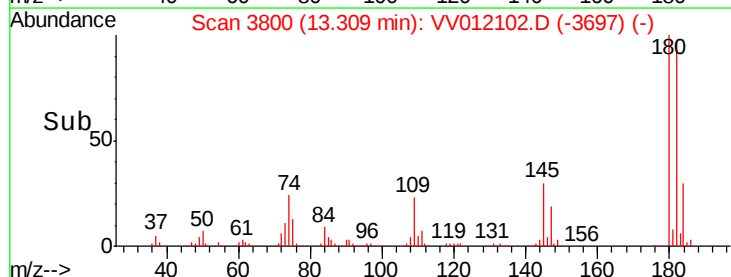
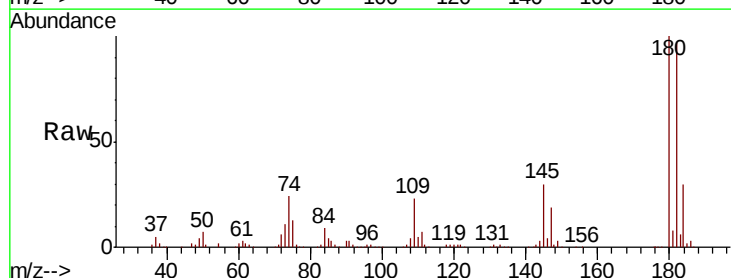
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

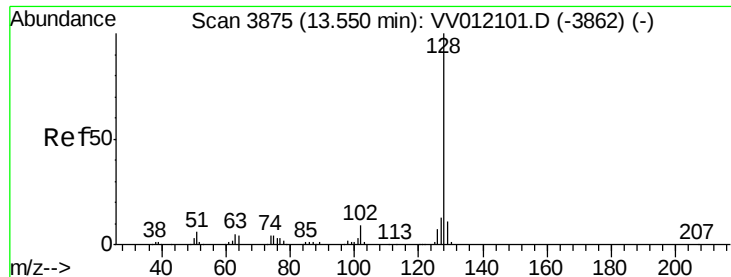
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.2	115.8
184	30.4	25.4	38.2
145	28.8	23.6	35.4



#68
 1,2,4-trichlorobenzene
 Concen: 54.502 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012102.D
 Acq: 03 Aug 2019 10:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.2	115.8
145	29.8	23.4	35.0





#69

Naphthalene

Concen: 52.819 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

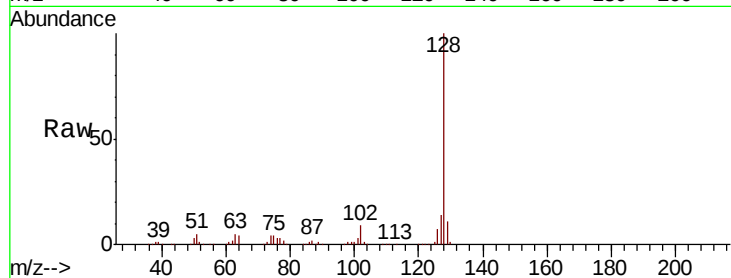
Tgt Ion:128 Resp: 547170

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

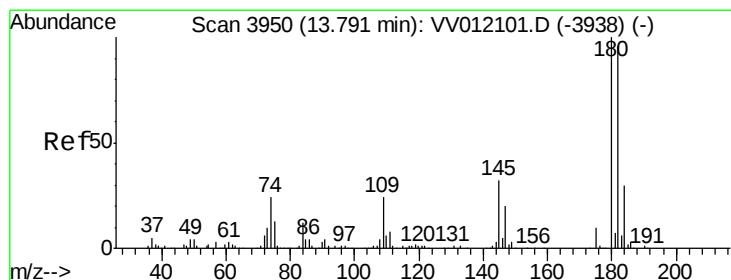
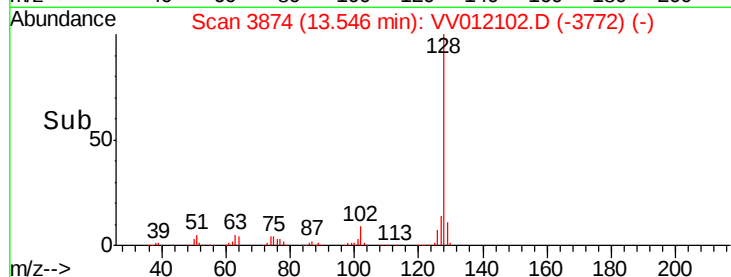
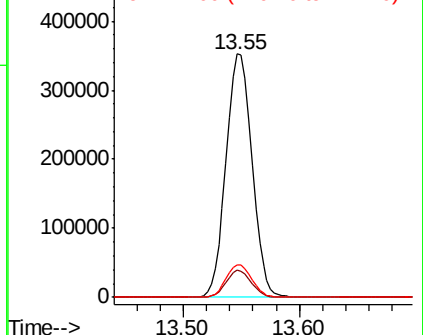
127 13.4 10.6 15.8



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: 55.024 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012102.D

Acq: 03 Aug 2019 10:59

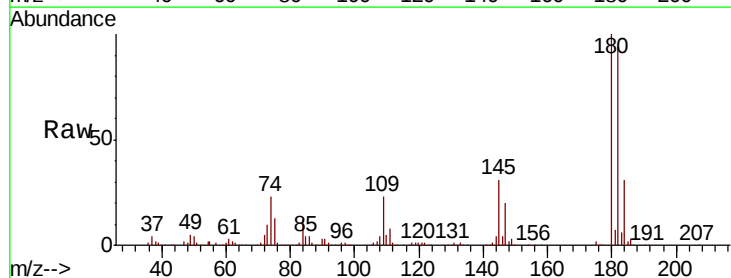
Tgt Ion:180 Resp: 263335

Ion Ratio Lower Upper

180 100

182 94.1 75.8 113.6

145 30.9 25.3 37.9



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

