

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080319\
 Data File : VV012103.D
 Acq On : 03 Aug 2019 11:27
 Operator : SY/MD
 Sample : VSTD10065
 Misc : 5gm/10ml/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Quant Time: Aug 05 07:49:33 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	242204	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	228080	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	128287	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	196159	63.42	ug/L	0.00
7) Chloroethane-d5	1.58	69	149124	63.40	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	394445	62.97	ug/L	0.00
20) 2-Butanone-d5	3.95	46	207045	173.69	ug/L	0.00
24) Chloroform-d	4.40	84	566425	95.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	340665	89.15	ug/L	0.00
29) Benzene-d6	5.10	84	1061095	87.63	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	294569	77.85	ug/L	0.00
37) Toluene-d8	7.36	98	1051895	90.81	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	178839	98.89	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	169889	185.94	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	318169	90.65	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	450599	94.30	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	350284	89.522 ug/L	99
3) Chloromethane	1.25	50	209782	59.996 ug/L	95
5) Vinyl chloride	1.32	62	214724	61.321 ug/L	97
6) Bromomethane	1.54	94	143732	73.994 ug/L	98
8) Chloroethane	1.60	64	121951	60.426 ug/L	100
9) Trichlorofluoromethane	1.77	101	401067	76.454 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	196562	70.323 ug/L	99
12) 1,1-Dichloroethene	2.14	96	182023	70.984 ug/L	91
13) Acetone	2.22	43	221742	157.379 ug/L	97
14) Carbon disulfide	2.32	76	748669	86.674 ug/L	100
15) Methyl Acetate	2.47	43	149789	73.984 ug/L	99
16) Methylene chloride	2.53	84	269530	74.929 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	774357	84.098 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	280123	85.549 ug/L	95
19) 1,1-Dichloroethane	3.23	63	460386	75.015 ug/L	99
21) 2-Butanone	4.03	43	284053	177.065 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	310620	85.684 ug/L	99
23) Bromochloromethane	4.30	128	158154	96.538 ug/L	97
25) Chloroform	4.42	83	531632	80.060 ug/L	99
27) 1,2-Dichloroethane	5.18	62	404577	85.936 ug/L	100
30) Cyclohexane	4.72	56	404442	70.227 ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	510221	96.614 ug/L	99
32) Carbon tetrachloride	4.87	117	486280	105.964 ug/L	100
34) Benzene	5.14	78	1063610	81.341 ug/L	100
35) Trichloroethene	5.96	95	312462	89.050 ug/L	99
36) Methylcyclohexane	6.18	83	497570	84.567 ug/L	98
40) 1,2-Dichloropropane	6.22	63	252435	74.679 ug/L	100
41) Bromodichloromethane	6.55	83	412551	90.679 ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	482288	87.996 ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	441065	142.888 ug/L	99

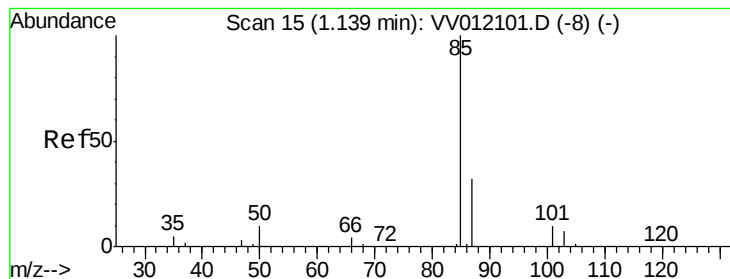
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	1222620	84.816	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	427875	91.200	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	241906	88.547	ug/L	98
47) Tetrachloroethene	8.02	164	296437	108.394	ug/L	96
49) 2-Hexanone	8.18	43	368894	162.553	ug/L	99
50) Dibromochloromethane	8.29	129	346635	108.065	ug/L	97
51) 1,2-Dibromoethane	8.40	107	262215	96.905	ug/L	98
52) Chlorobenzene	8.92	112	832832	89.196	ug/L	98
53) Ethylbenzene	9.05	91	1407057	85.205	ug/L	99
54) m,p-Xylene	9.18	106	545358	87.725	ug/L	97
55) o-xylene	9.59	106	526633	86.613	ug/L	99
56) Styrene	9.60	104	913964	89.442	ug/L	99
57) Isopropylbenzene	9.97	105	1437743	88.161	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	312591	84.763	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	240956	85.775	ug/L	100
62) Bromoform	9.77	173	244833	115.910	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	744910	90.279	ug/L	100
64) 1,4-Dichlorobenzene	11.31	146	751552	89.939	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	699396	90.023	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	75069	95.261	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	642131	101.785	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	574794	111.692	ug/L	99
69) Naphthalene	13.55	128	1146751	110.530	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	527350	110.024	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 89.522 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

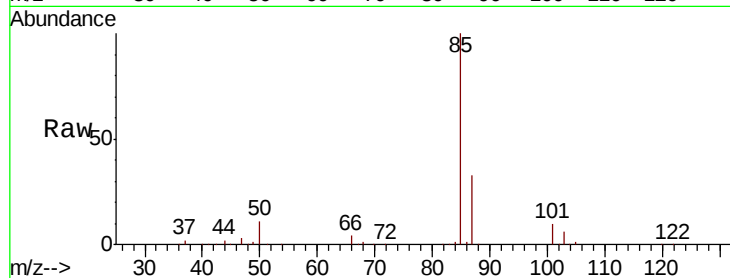
VSTD10065

Tgt Ion: 85 Resp: 350284

Ion Ratio Lower Upper

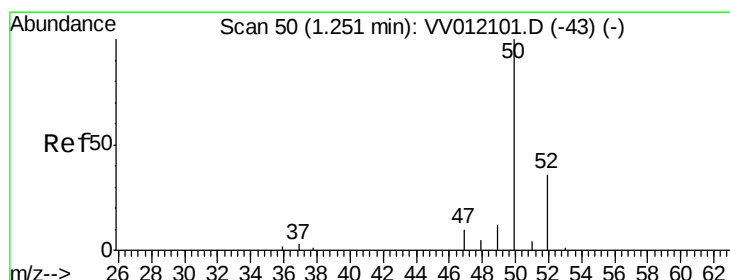
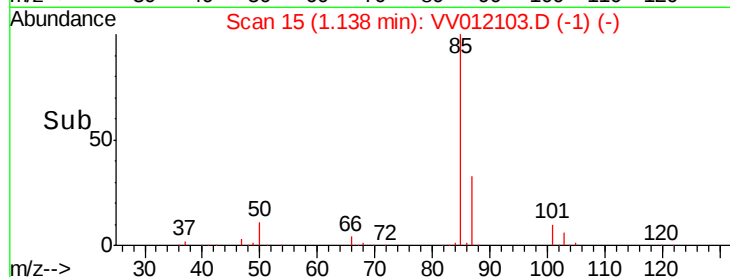
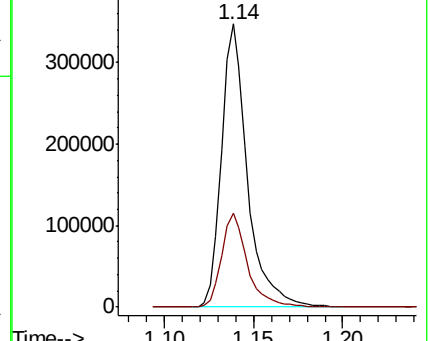
85 100

87 33.2 22.7 42.1



Abundance Ion 85.00 (84.70 to 85.70): VV012103.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV012103.D (-1) (-)



#3

Chloromethane

Concen: 59.996 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012103.D

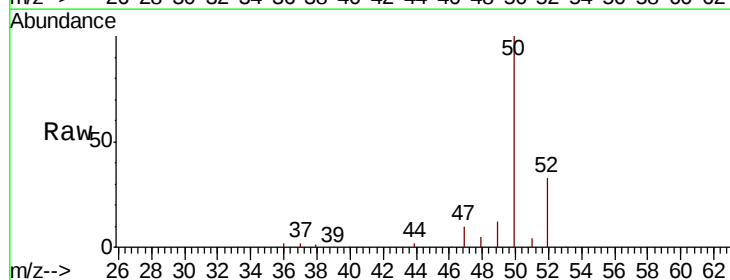
Acq: 03 Aug 2019 11:27

Tgt Ion: 50 Resp: 209782

Ion Ratio Lower Upper

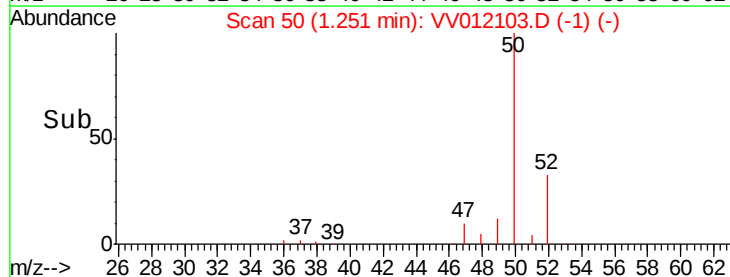
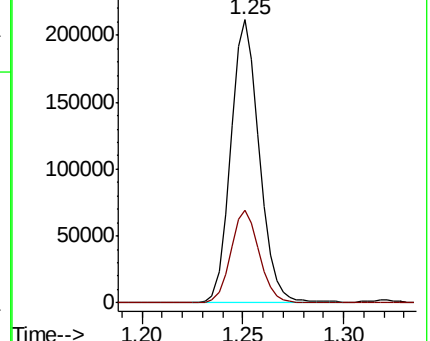
50 100

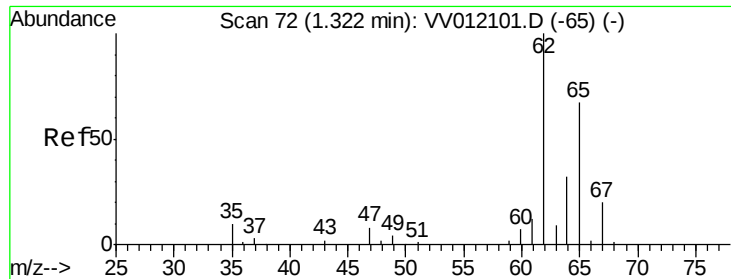
52 32.8 25.0 46.4



Abundance Ion 50.00 (49.70 to 50.70): VV012103.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV012103.D (-1) (-)





#5

Vinyl chloride

Concen: 61.321 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

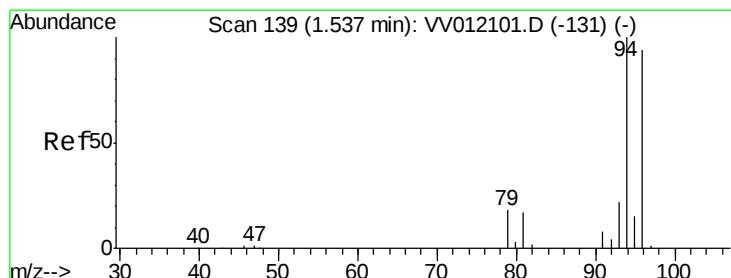
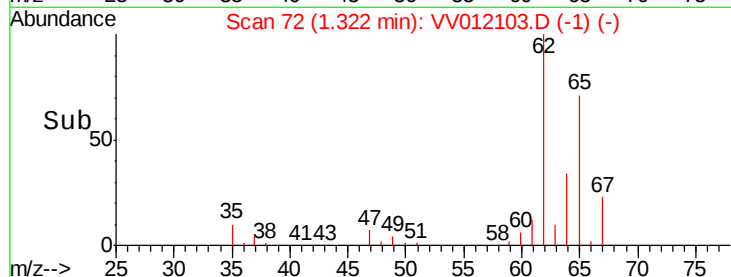
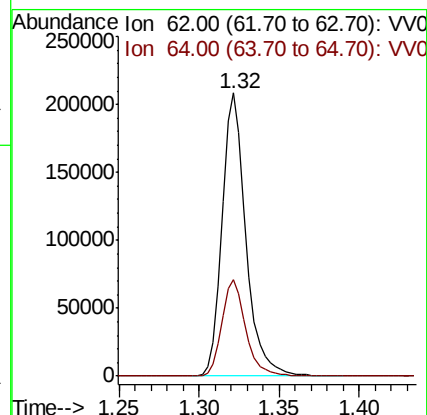
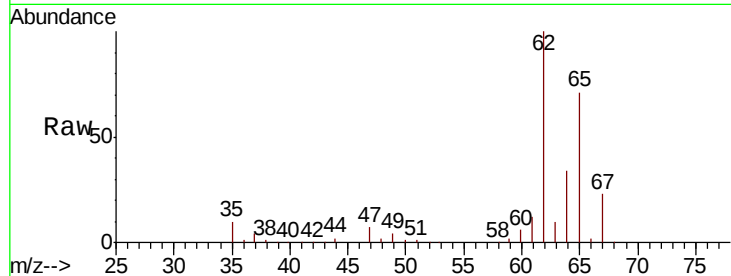
VSTD10065

Tgt Ion: 62 Resp: 214724

Ion Ratio Lower Upper

62 100

64 34.1 22.5 41.9



#6

Bromomethane

Concen: 73.994 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012103.D

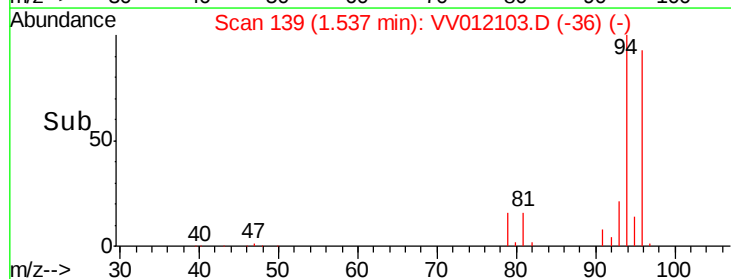
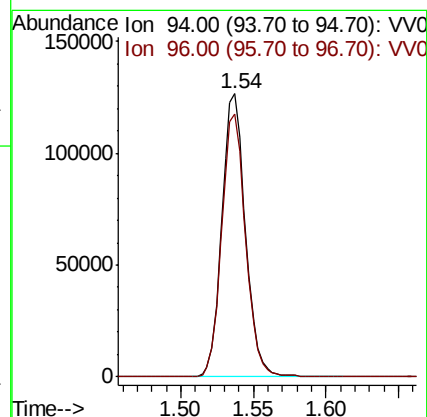
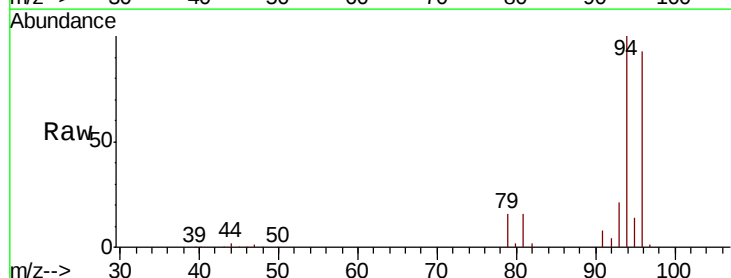
Acq: 03 Aug 2019 11:27

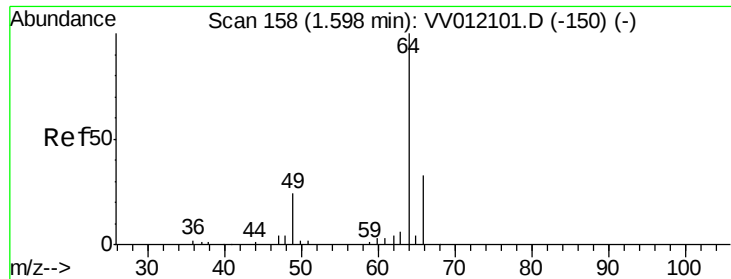
Tgt Ion: 94 Resp: 143732

Ion Ratio Lower Upper

94 100

96 94.3 9.3 176.3

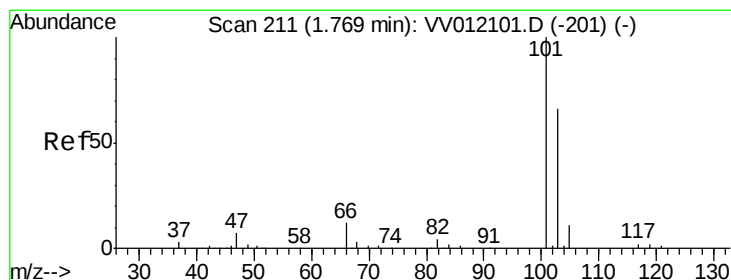
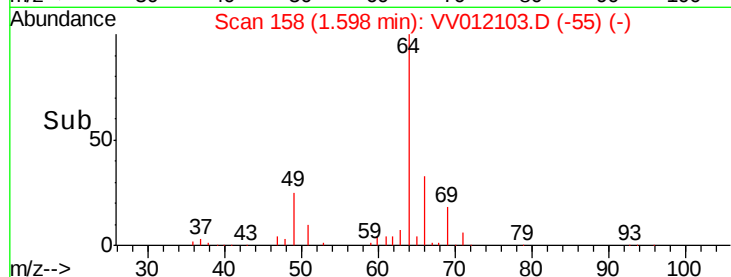
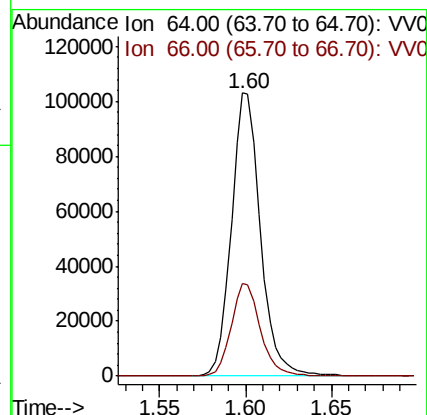
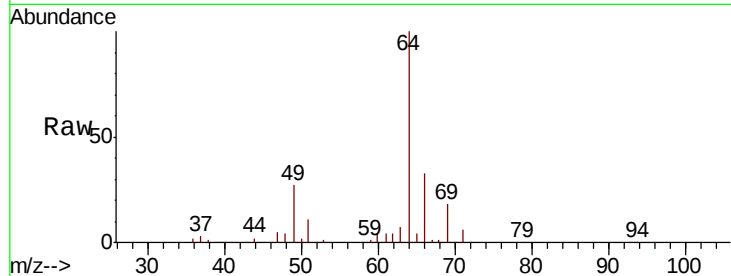




#8
Chloroethane
Concen: 60.426 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012103.D
Acq: 03 Aug 2019 11:27

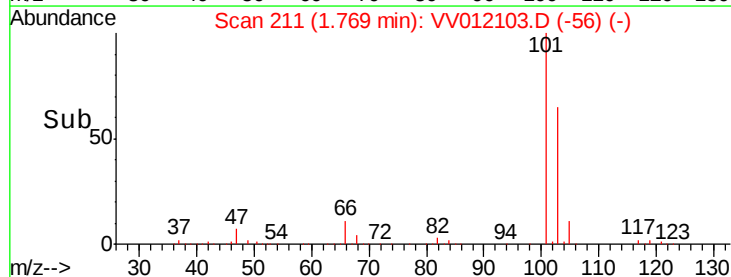
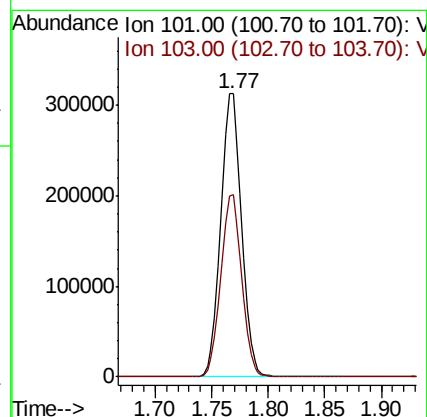
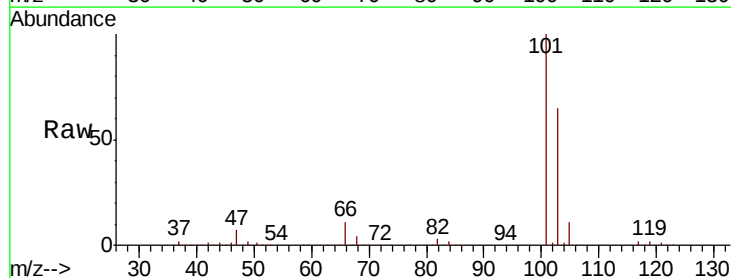
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

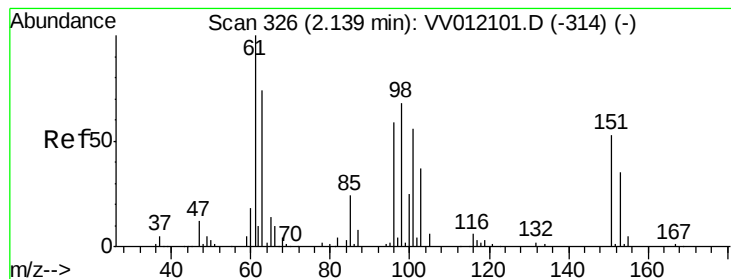
Tgt Ion: 64 Resp: 121951
Ion Ratio Lower Upper
64 100
66 32.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 76.454 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV012103.D
Acq: 03 Aug 2019 11:27

Tgt Ion: 101 Resp: 401067
Ion Ratio Lower Upper
101 100
103 64.6 46.3 86.1





#11

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

Concen: 70.323 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

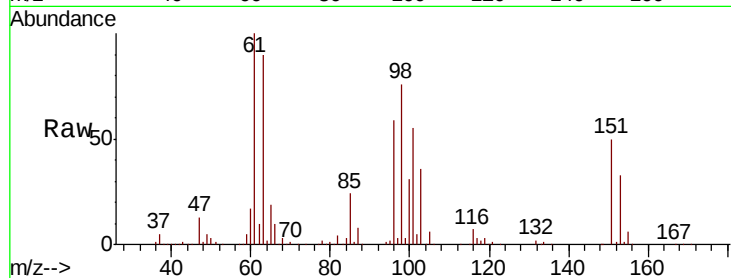
Tgt Ion: 101 Resp: 196562

Ion Ratio Lower Upper

101 100

85 43.0 35.0 52.4

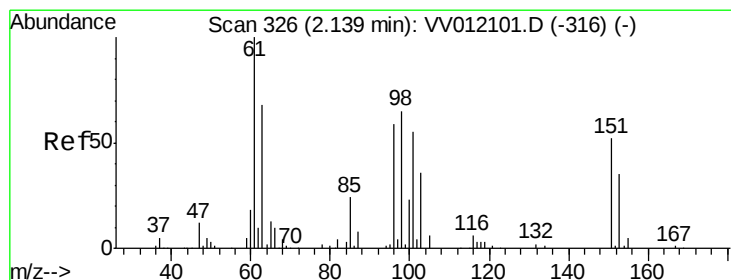
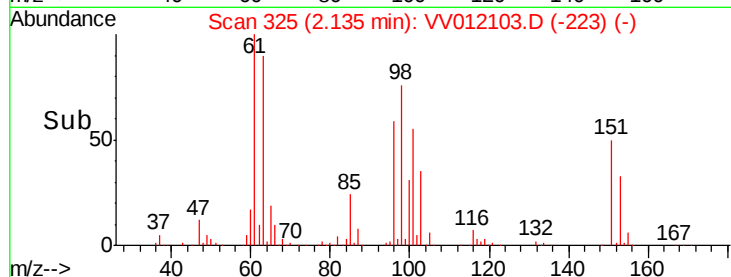
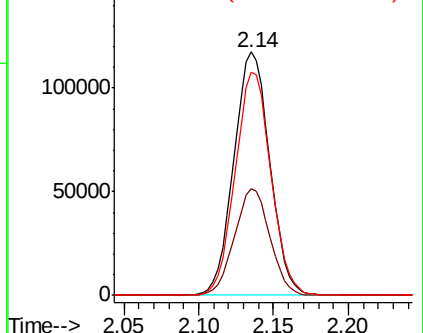
151 91.3 73.6 110.4



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: 70.984 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

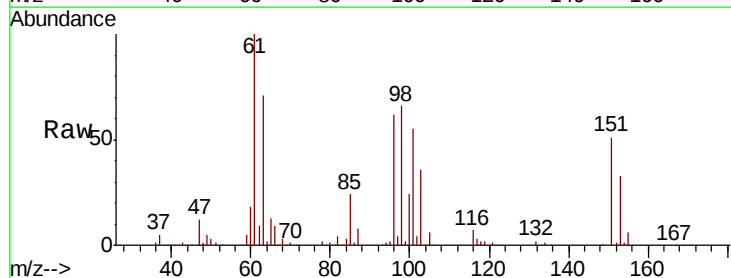
Tgt Ion: 96 Resp: 182023

Ion Ratio Lower Upper

96 100

61 160.8 119.6 222.0

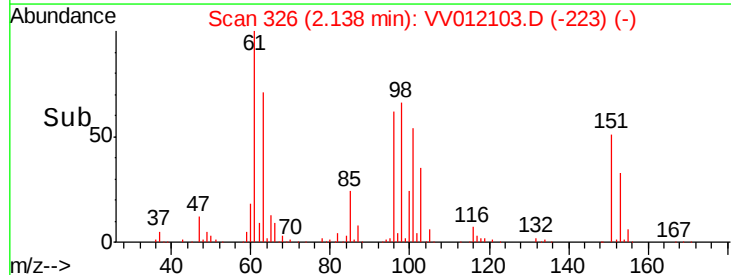
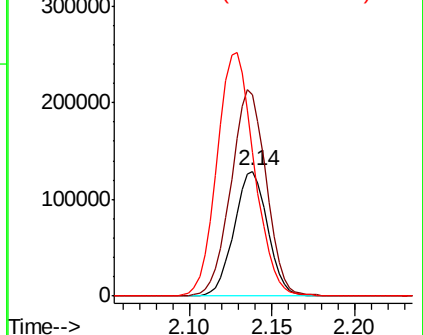
63 114.9 90.2 167.4

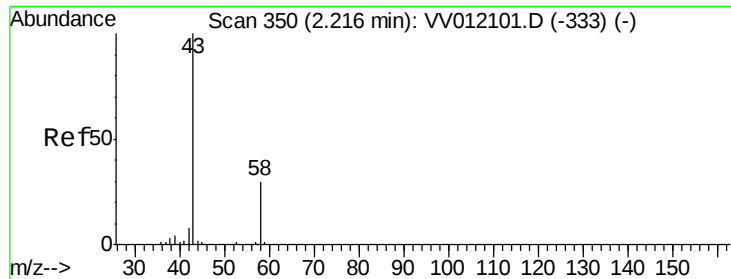


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 157.379 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

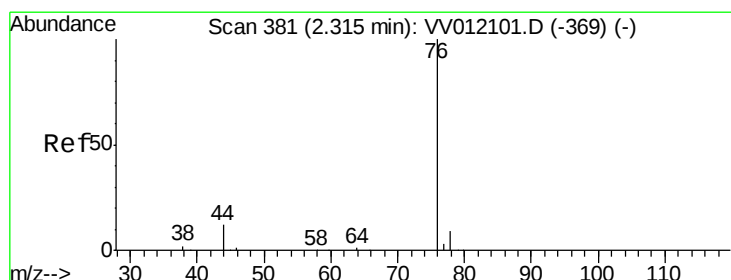
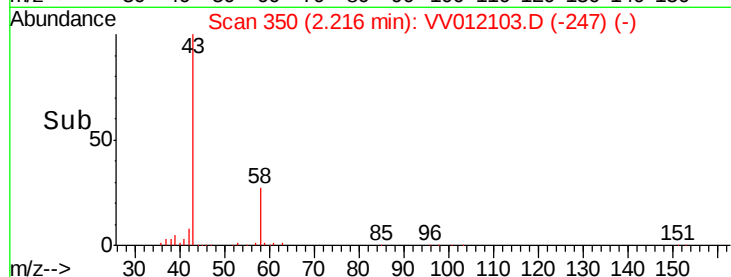
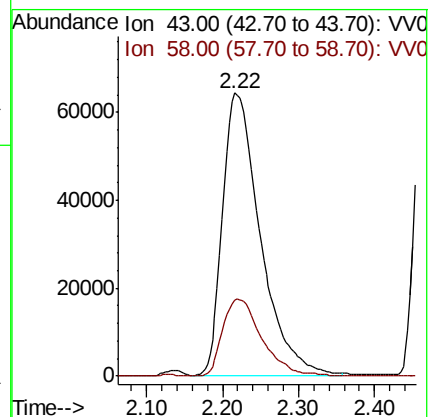
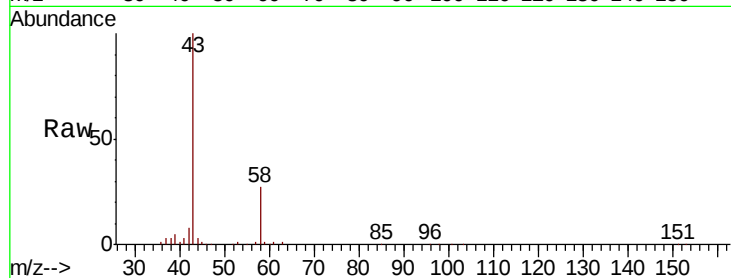
VSTD10065

Tgt Ion: 43 Resp: 221742

Ion Ratio Lower Upper

43 100

58 28.5 0.0 59.8



#14

Carbon disulfide

Concen: 86.674 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012103.D

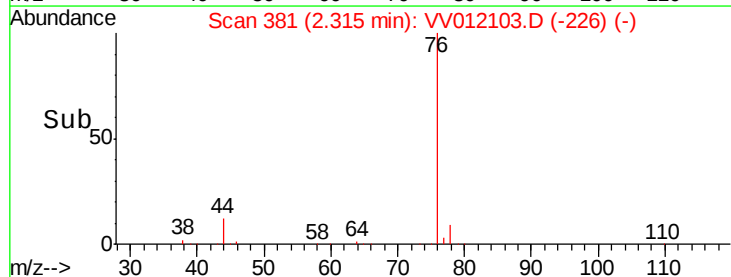
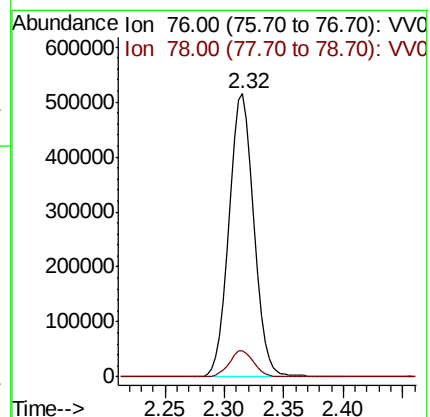
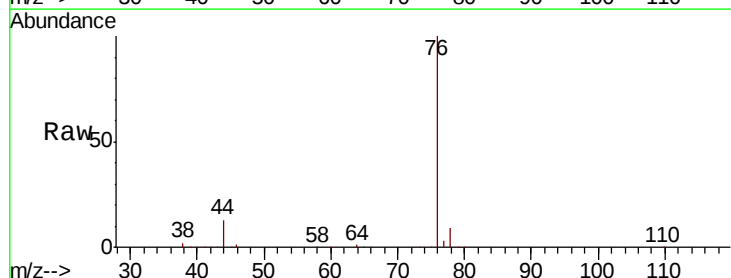
Acq: 03 Aug 2019 11:27

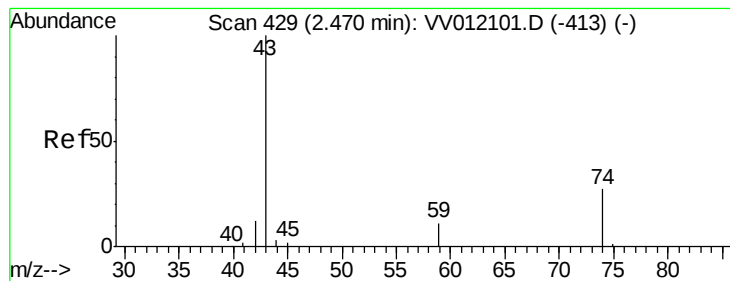
Tgt Ion: 76 Resp: 748669

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 73.984 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

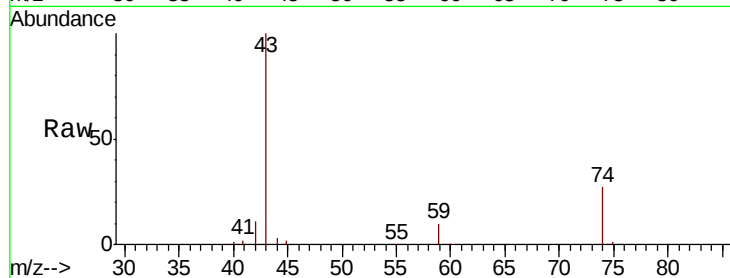
VSTD10065

Tgt Ion: 43 Resp: 149789

Ion Ratio Lower Upper

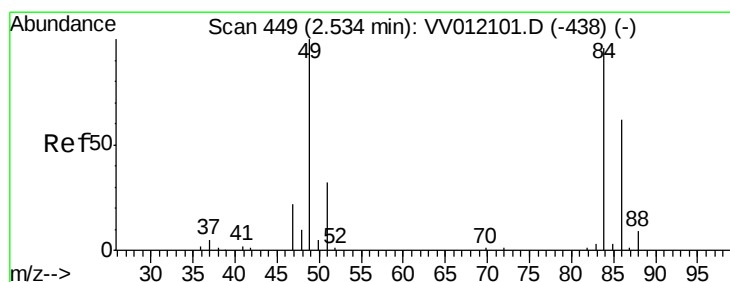
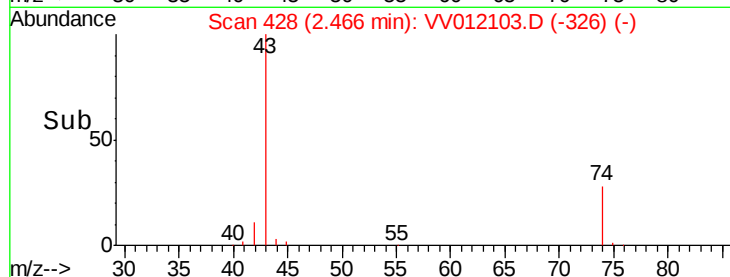
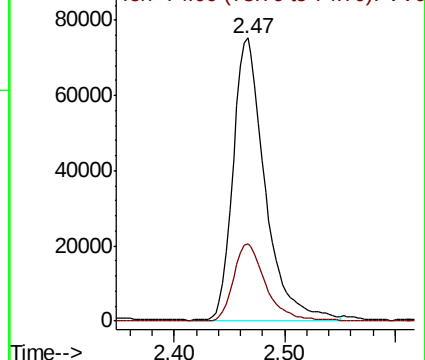
43 100

74 28.1 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 74.929 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

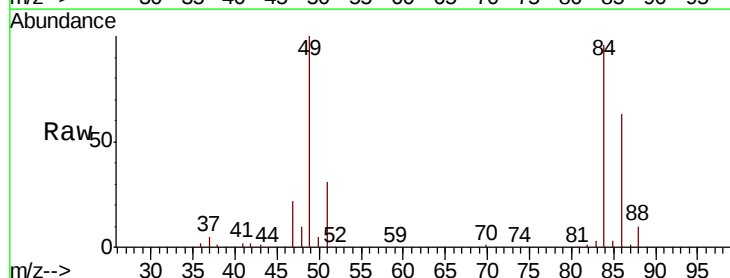
Tgt Ion: 84 Resp: 269530

Ion Ratio Lower Upper

84 100

49 104.6 73.0 135.6

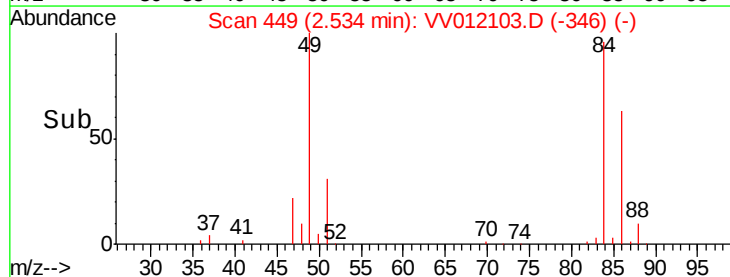
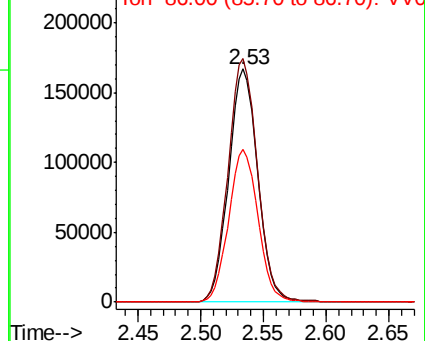
86 65.4 44.9 83.3

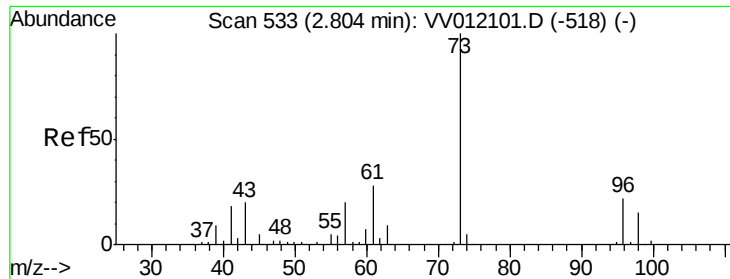


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

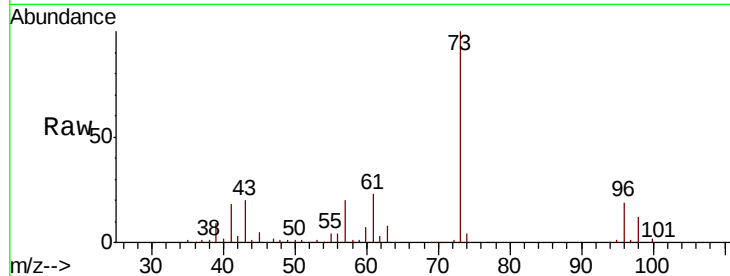




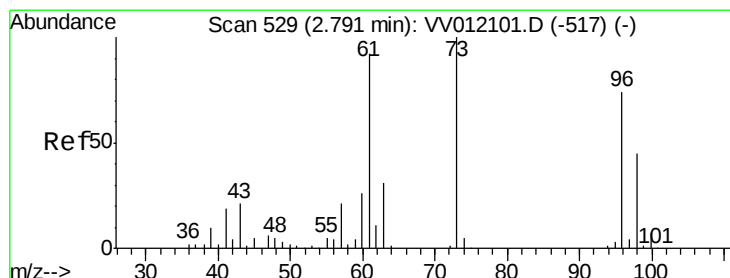
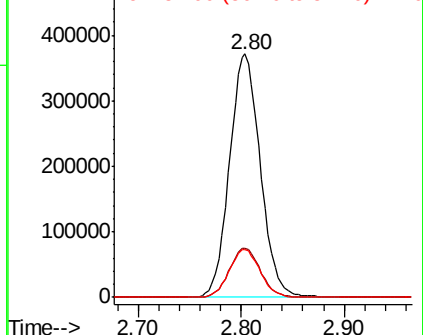
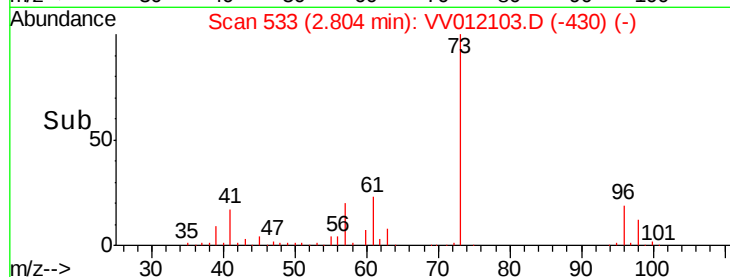
#17
Methyl tert-butyl Ether
Concen: 84.098 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV012103.D
Acq: 03 Aug 2019 11:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion: 73 Resp: 774357
Ion Ratio Lower Upper
73 100
43 20.3 16.4 24.6
57 19.8 15.9 23.9

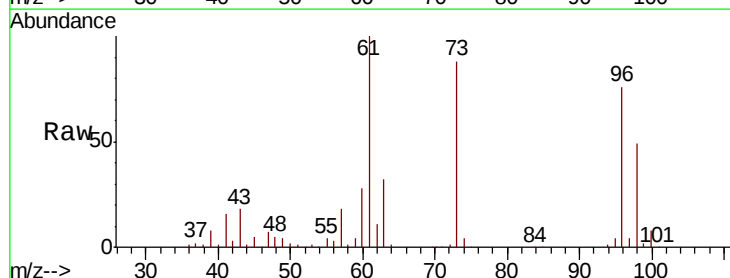


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

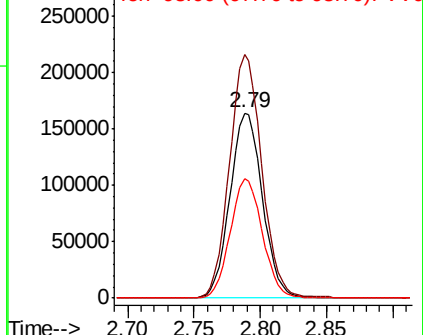
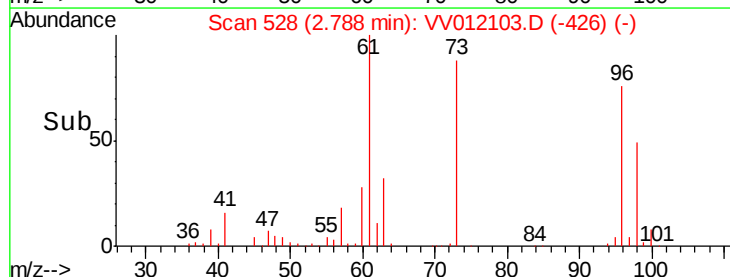


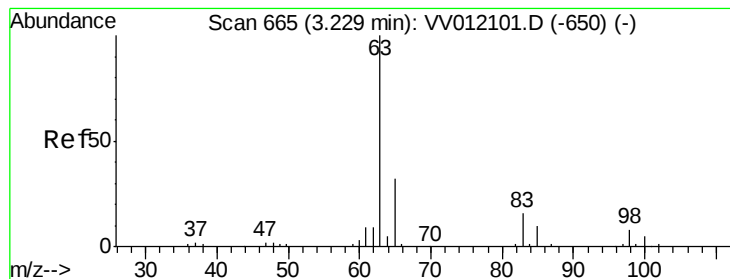
#18
trans-1,2-Dichloroethene
Concen: 85.549 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV012103.D
Acq: 03 Aug 2019 11:27

Tgt Ion: 96 Resp: 280123
Ion Ratio Lower Upper
96 100
61 131.3 86.9 161.5
98 64.2 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: 75.015 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

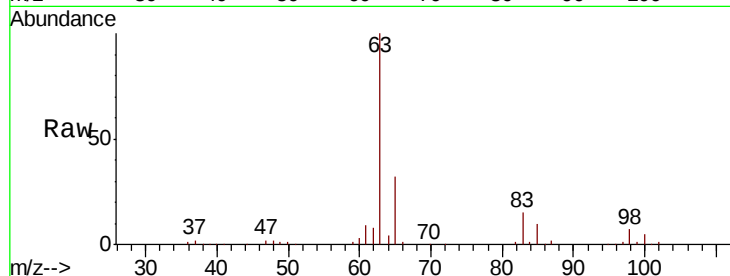
Tgt Ion: 63 Resp: 460386

Ion Ratio Lower Upper

63 100

65 32.5 22.1 41.1

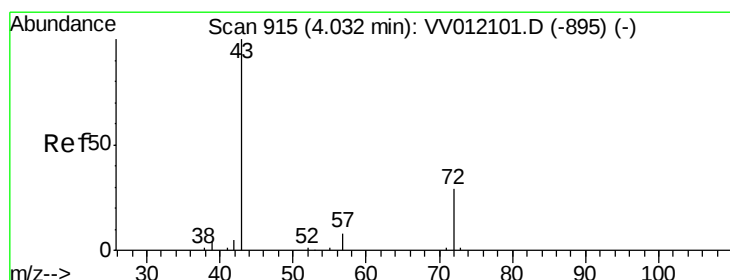
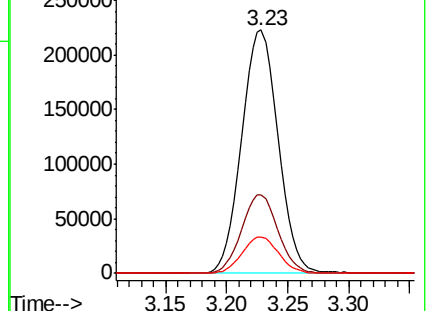
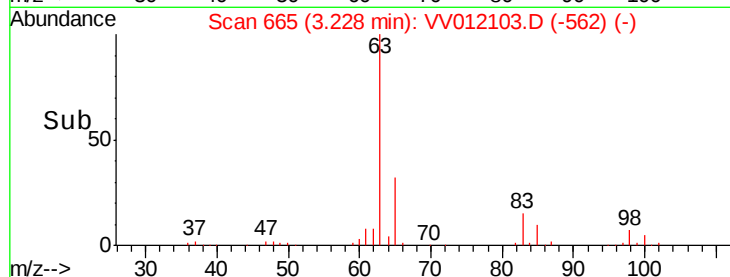
83 14.9 10.9 20.2



Abundance Ion 63.00 (62.70 to 63.70): VV012103.D (-562) (-)

Ion 65.00 (64.70 to 65.70): VV012103.D (-562) (-)

Ion 83.00 (82.70 to 83.70): VV012103.D (-562) (-)



#21

2-Butanone

Concen: 177.065 ug/L

RT: 4.03 min Scan# 914

Delta R.T. -0.00 min

Lab File: VV012103.D

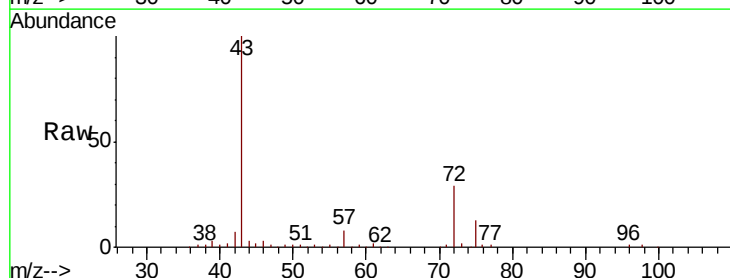
Acq: 03 Aug 2019 11:27

Tgt Ion: 43 Resp: 284053

Ion Ratio Lower Upper

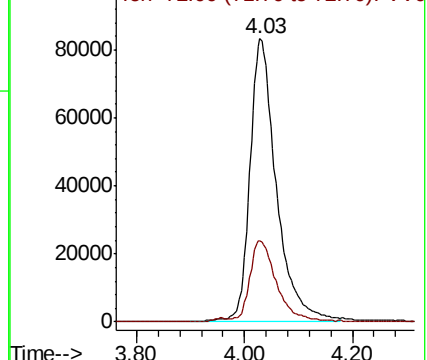
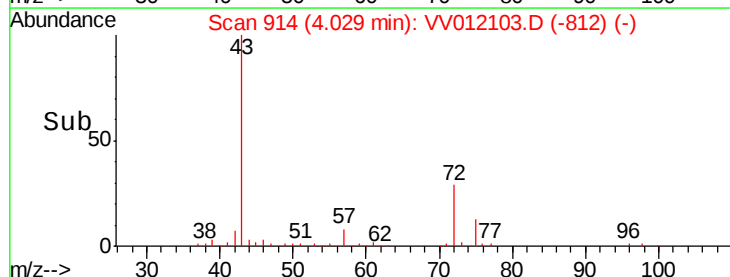
43 100

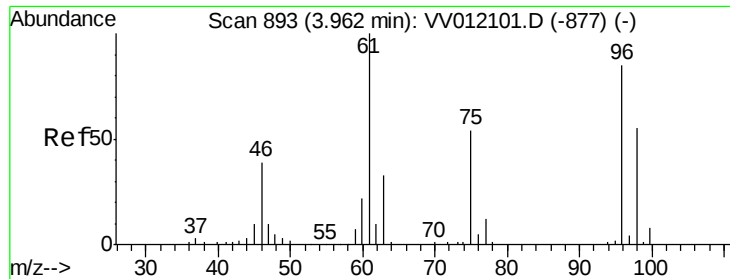
72 27.4 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VV012103.D (-812) (-)

Ion 72.00 (71.70 to 72.70): VV012103.D (-812) (-)

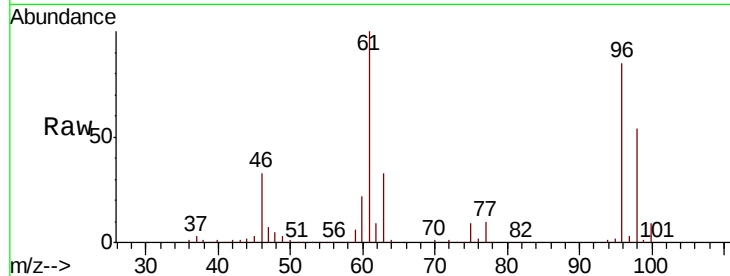




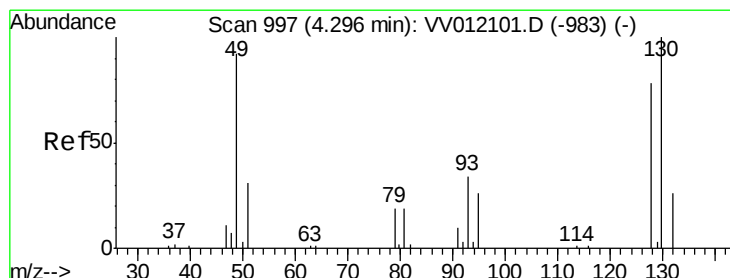
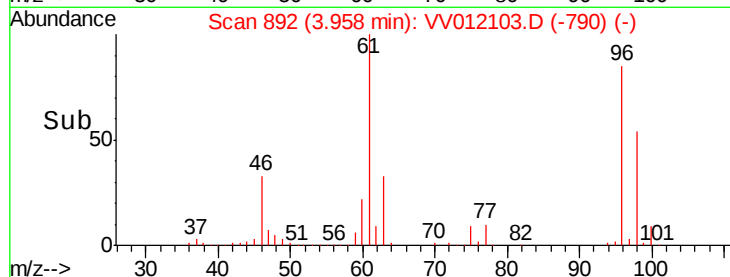
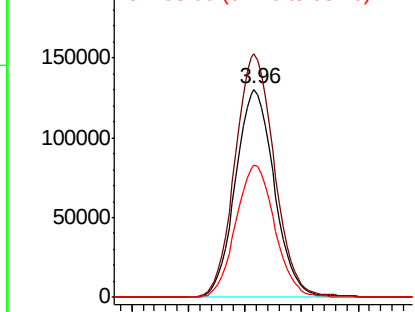
#22
 cis-1,2-Dichloroethene
 Concen: 85.684 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012103.D
 Acq: 03 Aug 2019 11:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tgt Ion: 96 Resp: 310620
 Ion Ratio Lower Upper
 96 100
 61 117.0 82.4 153.0
 98 63.4 45.3 84.1

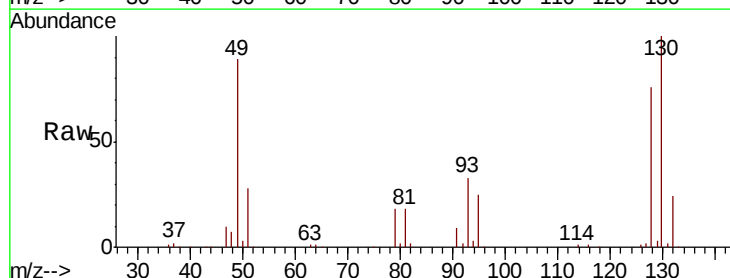


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

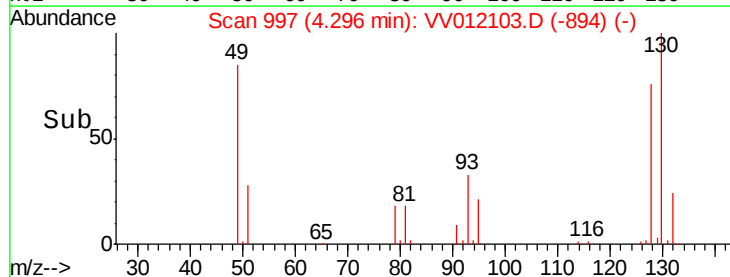
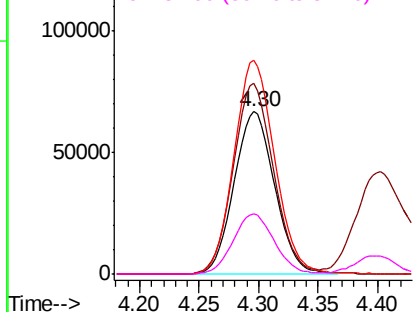


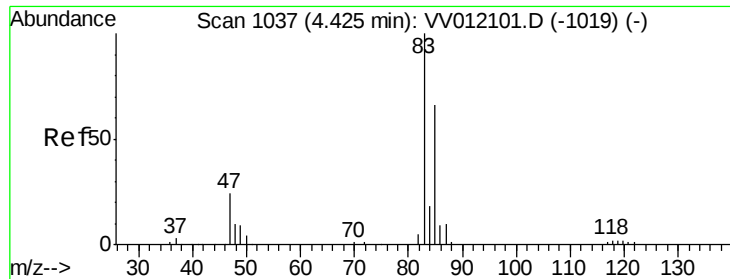
#23
 Bromochloromethane
 Concen: 96.538 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV012103.D
 Acq: 03 Aug 2019 11:27

Tgt Ion: 128 Resp: 158154
 Ion Ratio Lower Upper
 128 100
 49 117.6 83.9 155.7
 130 131.8 90.0 167.2
 51 37.1 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

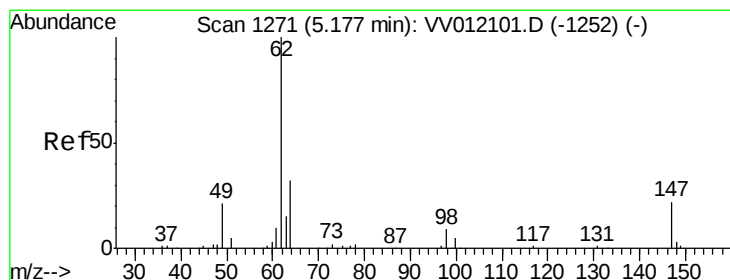
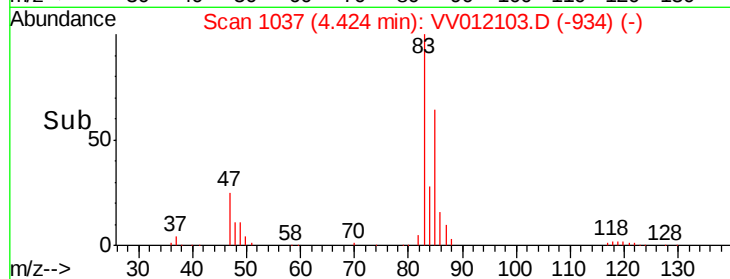
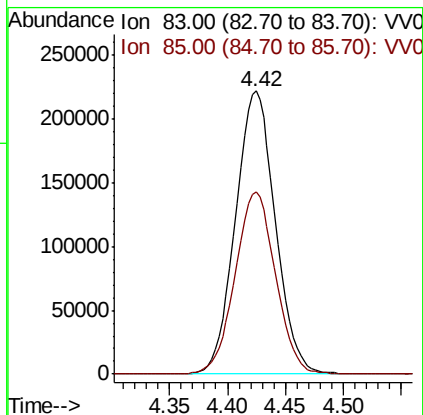
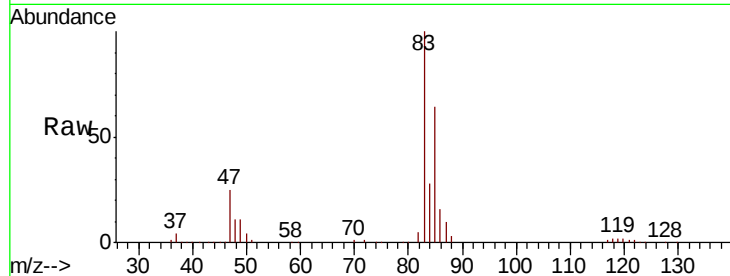




#25
Chloroform
Concen: 80.060 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012103.D
Acq: 03 Aug 2019 11:27

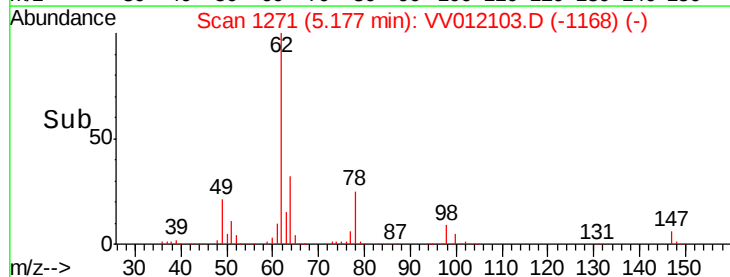
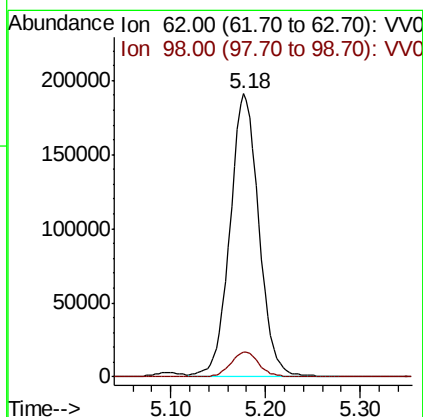
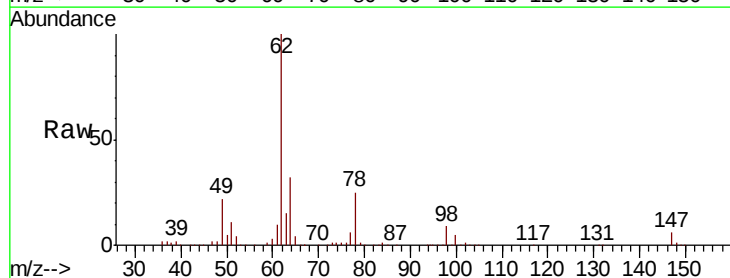
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

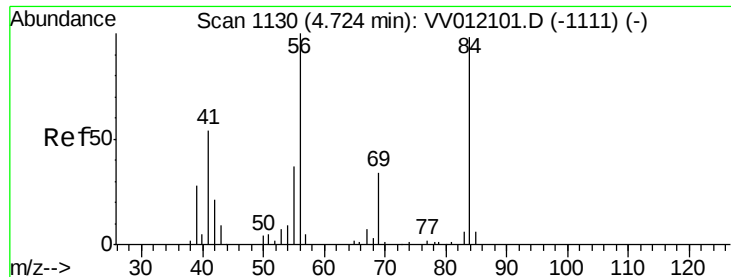
Tgt Ion: 83 Resp: 531632
Ion Ratio Lower Upper
83 100
85 65.6 46.2 85.8



#27
1,2-Dichloroethane
Concen: 85.936 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012103.D
Acq: 03 Aug 2019 11:27

Tgt Ion: 62 Resp: 404577
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.4

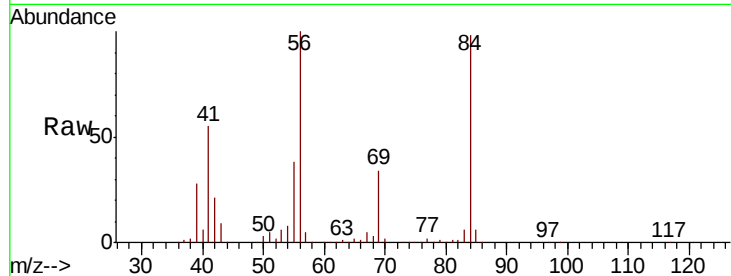




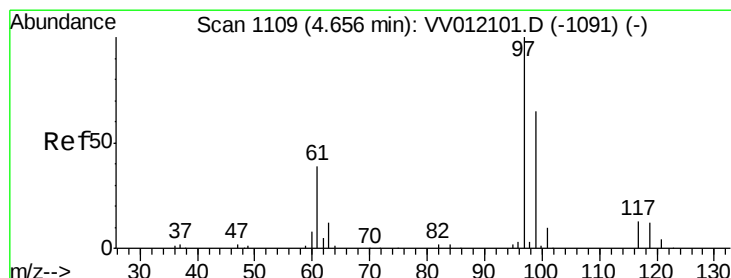
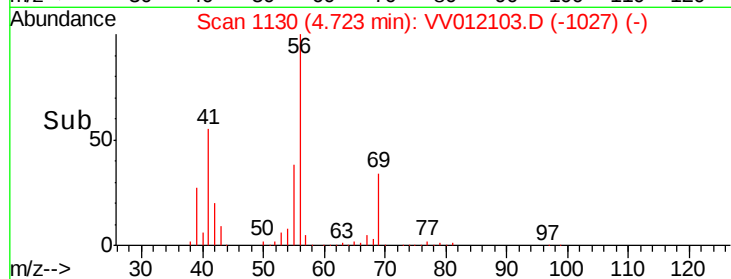
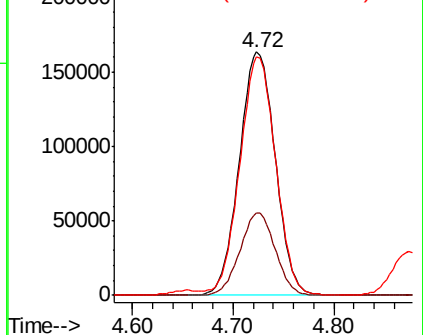
#30
Cyclohexane
Concen: 70.227 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV012103.D
Acq: 03 Aug 2019 11:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion: 56 Resp: 404442
Ion Ratio Lower Upper
56 100
69 33.1 27.4 41.0
84 96.9 78.6 118.0

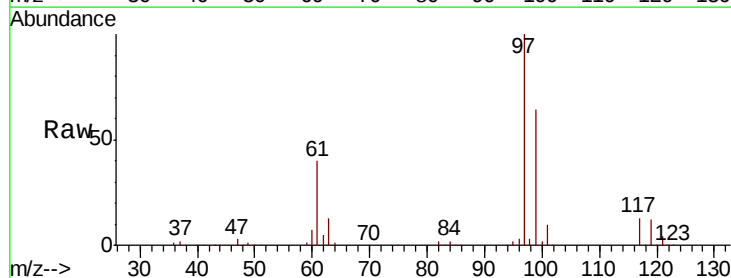


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

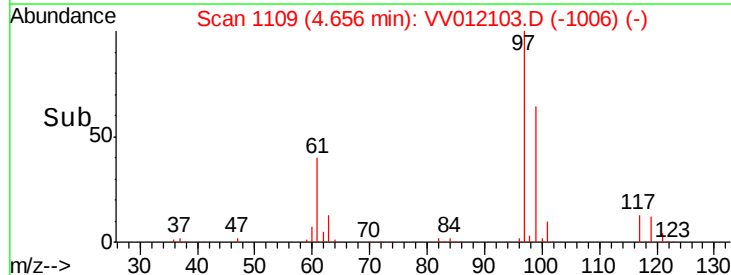
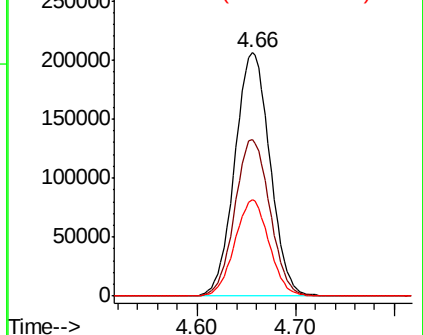


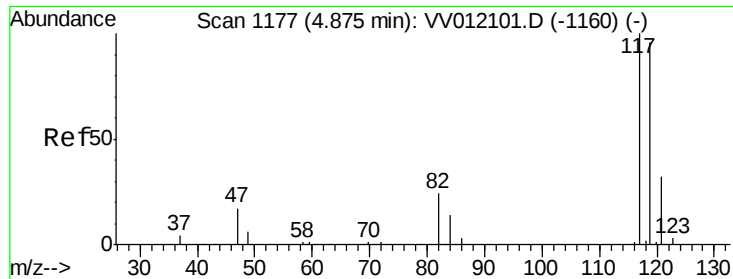
#31
1,1,1-Trichloroethane
Concen: 96.614 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV012103.D
Acq: 03 Aug 2019 11:27

Tgt Ion: 97 Resp: 510221
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 38.9 30.6 46.0



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



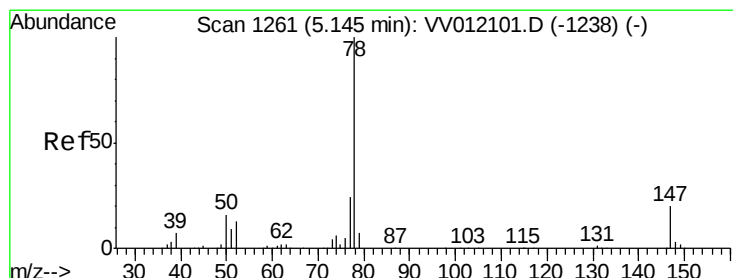
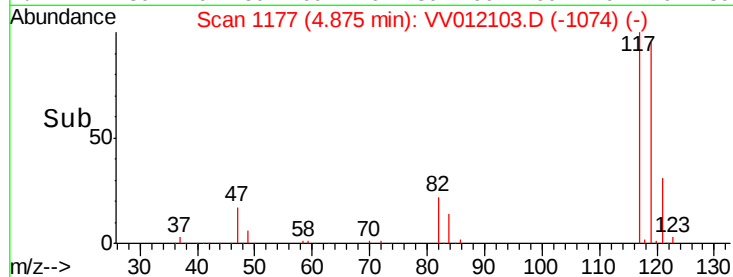
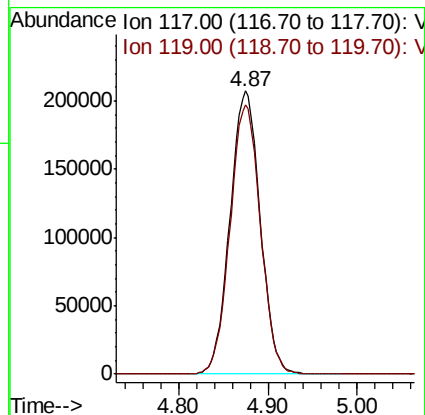
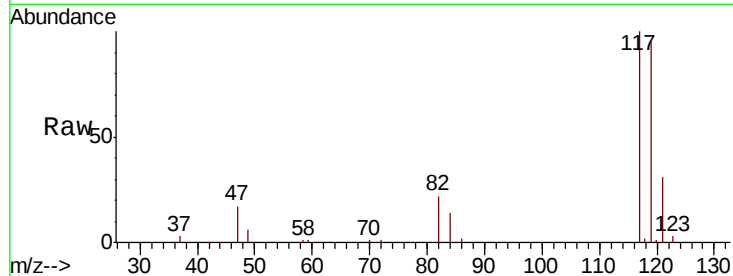


#32

Carbon tetrachloride
Concen: 105.964 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV012103.D
Acq: 03 Aug 2019 11:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

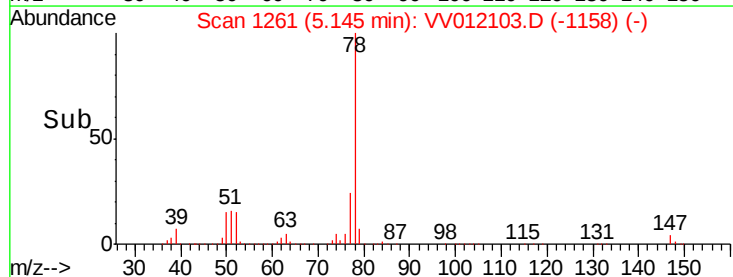
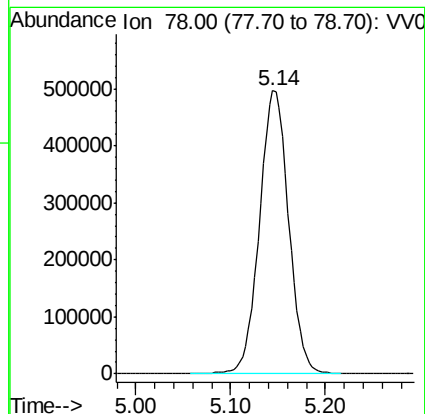
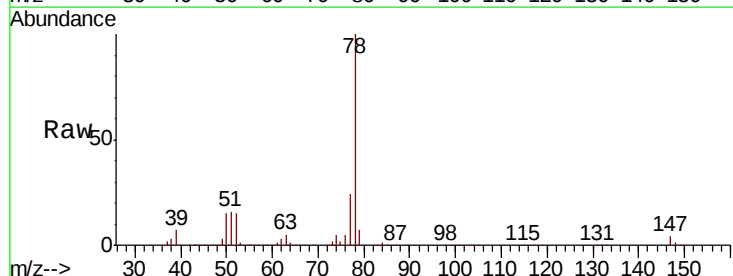
Tgt Ion:117 Resp: 486280
Ion Ratio Lower Upper
117 100
119 95.7 76.9 115.3

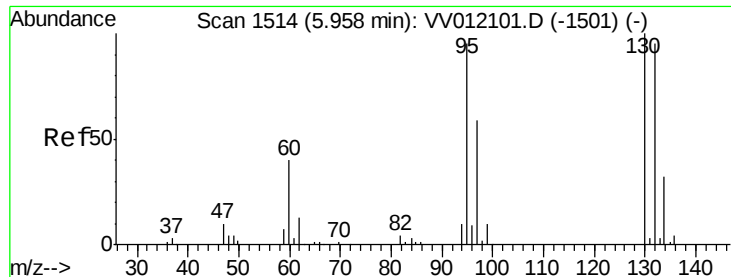


#34

Benzene
Concen: 81.341 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV012103.D
Acq: 03 Aug 2019 11:27

Tgt Ion: 78 Resp: 1063610

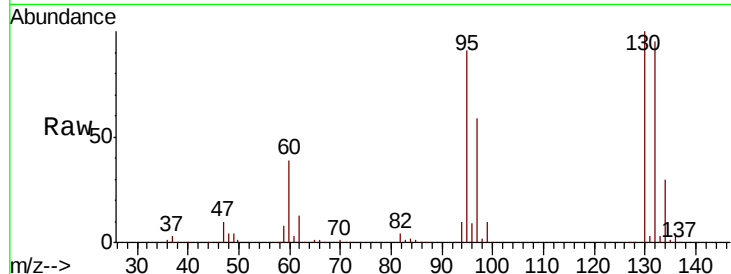




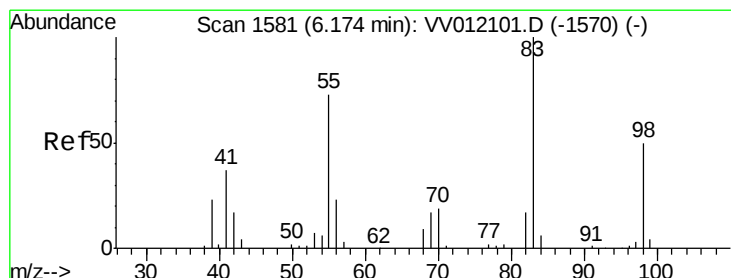
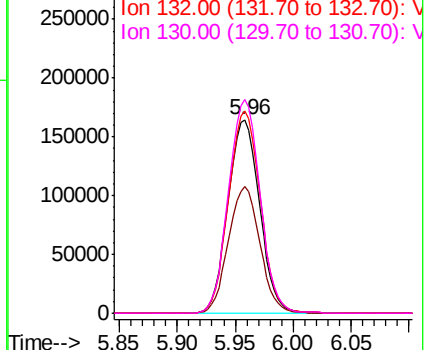
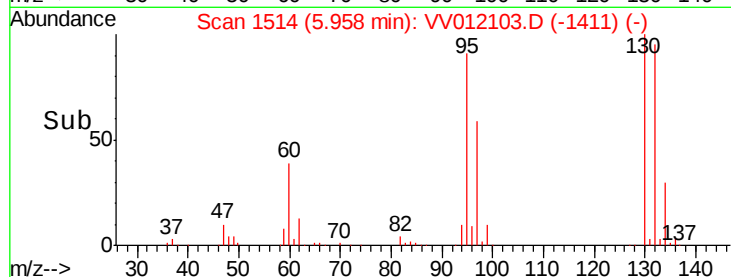
#35
 Trichloroethene
 Concen: 89.050 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012103.D
 Acq: 03 Aug 2019 11:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tgt Ion: 95 Resp: 312462
 Ion Ratio Lower Upper
 95 100
 97 64.7 45.4 84.2
 132 104.7 71.8 133.4
 130 109.9 75.6 140.4

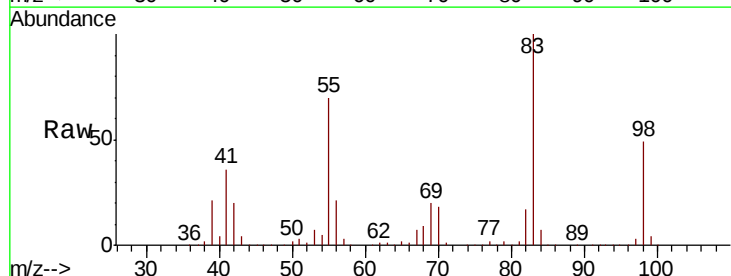


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

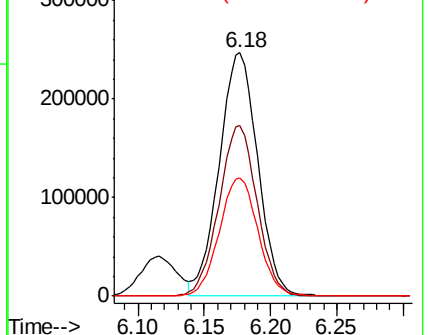
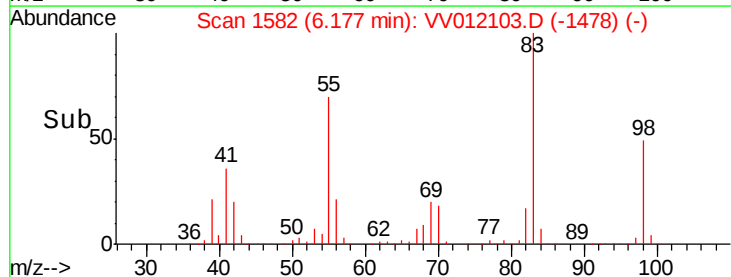


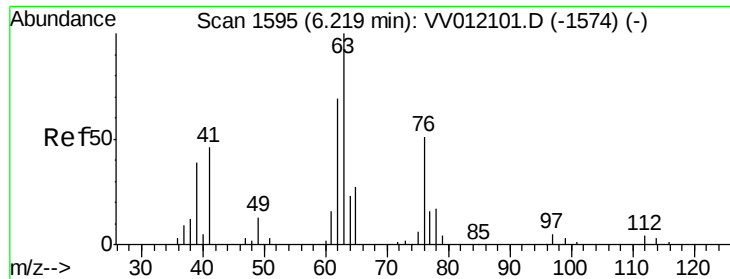
#36
 Methylcyclohexane
 Concen: 84.567 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV012103.D
 Acq: 03 Aug 2019 11:27

Tgt Ion: 83 Resp: 497570
 Ion Ratio Lower Upper
 83 100
 55 69.5 56.2 84.2
 98 49.2 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

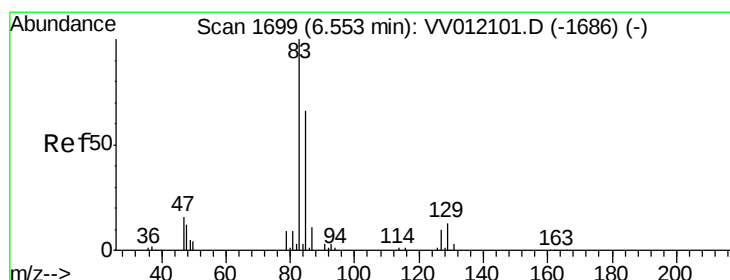
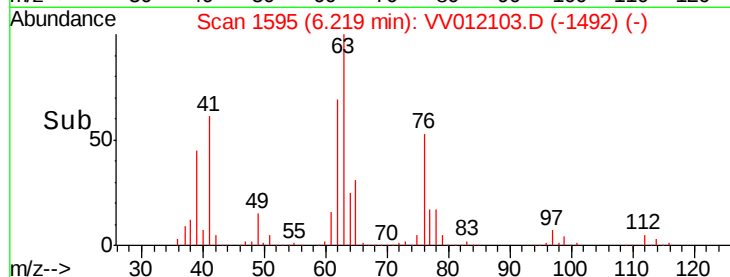
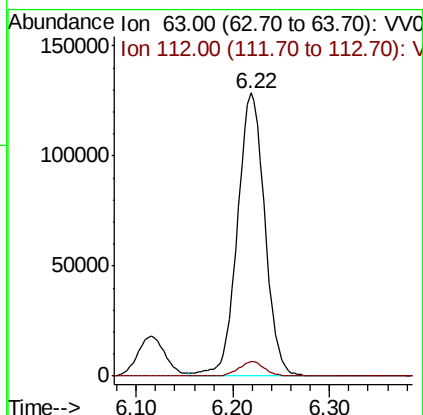
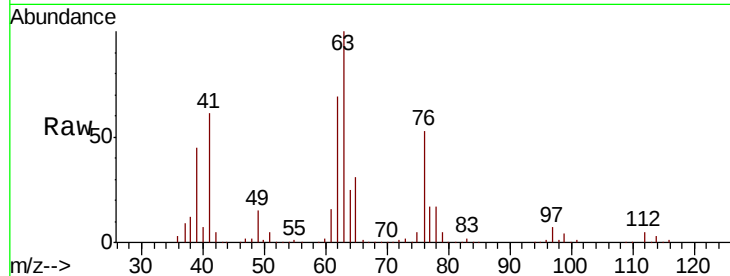




#40
 1,2-Dichloropropane
 Concen: 74.679 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012103.D
 Acq: 03 Aug 2019 11:27

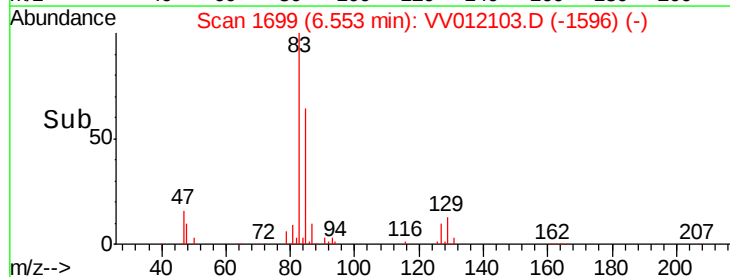
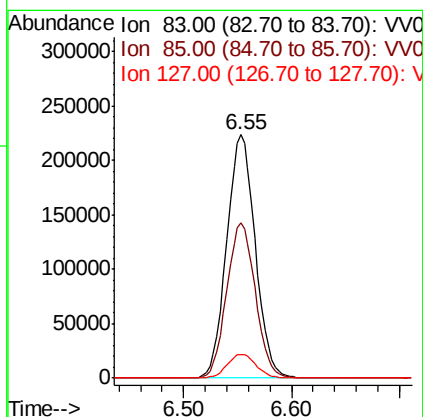
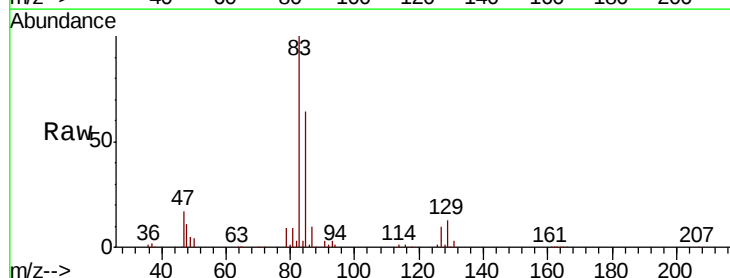
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

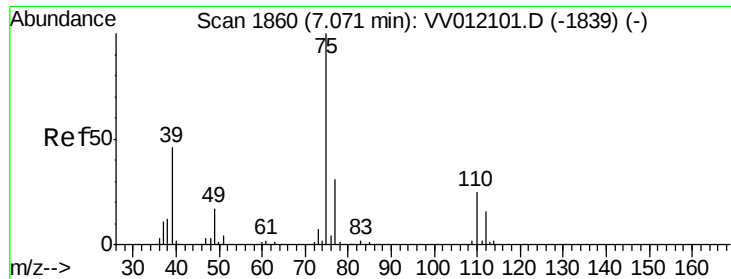
Tgt Ion: 63 Resp: 252435
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#41
 Bromodichloromethane
 Concen: 90.679 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012103.D
 Acq: 03 Aug 2019 11:27

Tgt Ion: 83 Resp: 412551
 Ion Ratio Lower Upper
 83 100
 85 63.6 46.5 86.3
 127 9.9 7.9 11.9

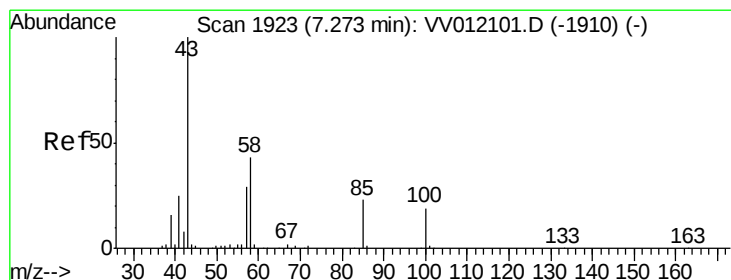
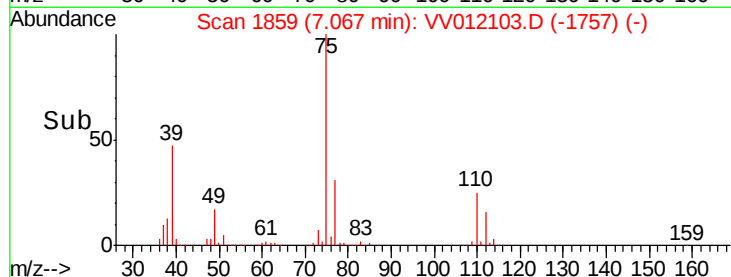
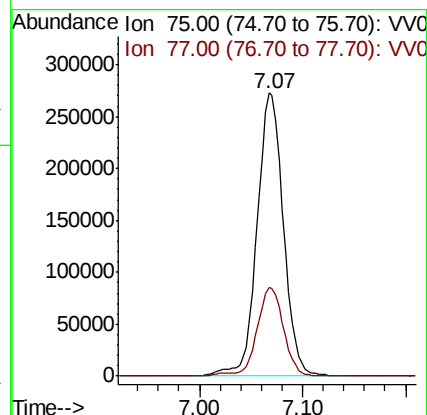
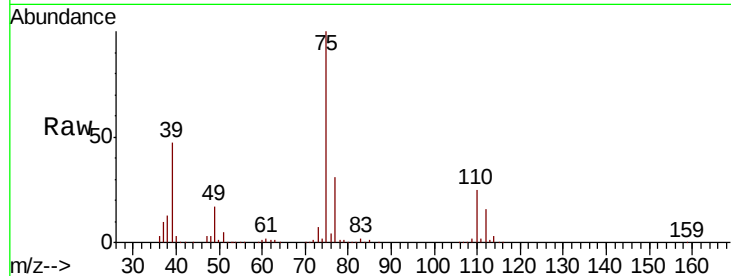




#42
 cis-1,3-Dichloropropene
 Concen: 87.996 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012103.D
 Acq: 03 Aug 2019 11:27

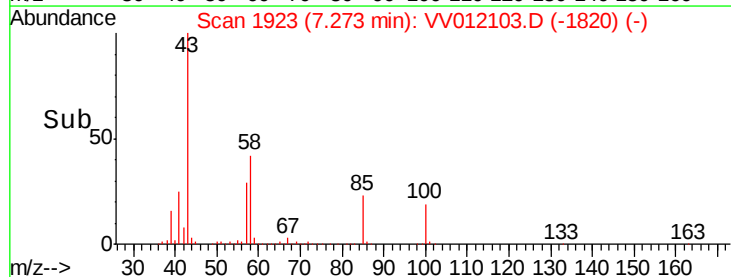
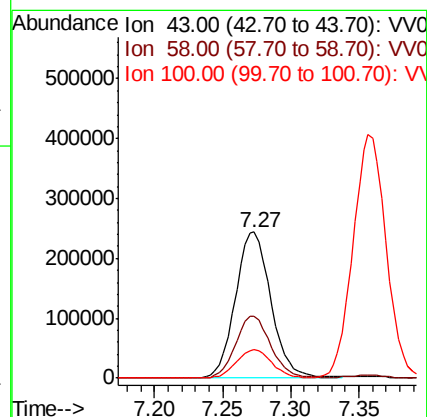
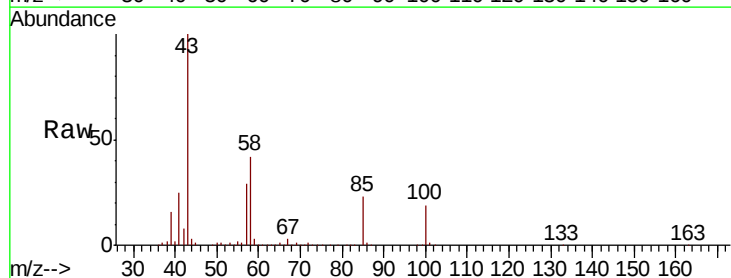
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

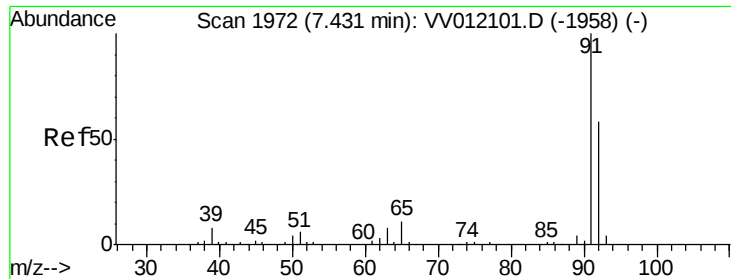
Tgt Ion: 75 Resp: 482288
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.7 40.3



#43
 4-Methyl-2-pentanone
 Concen: 142.888 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV012103.D
 Acq: 03 Aug 2019 11:27

Tgt Ion: 43 Resp: 441065
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.9 50.9
 100 19.3 14.9 22.3





#44

Toluene

Concen: 84.816 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

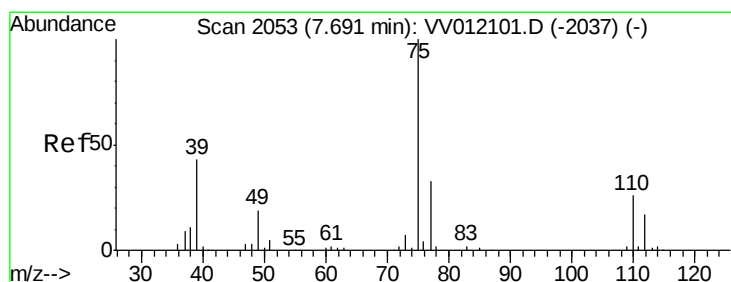
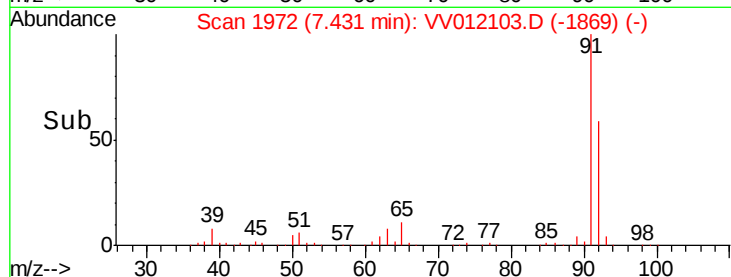
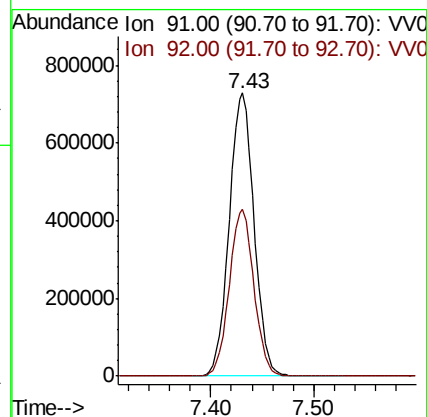
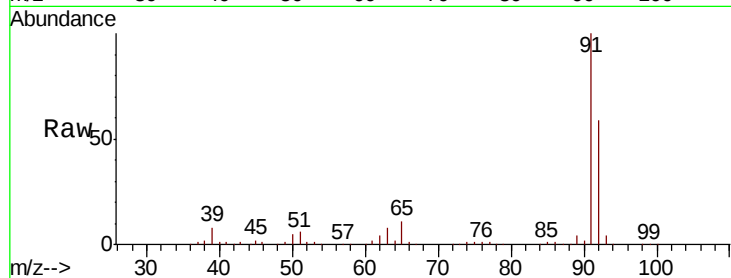
VSTD10065

Tgt Ion: 91 Resp: 1222620

Ion Ratio Lower Upper

91 100

92 58.9 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 91.200 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012103.D

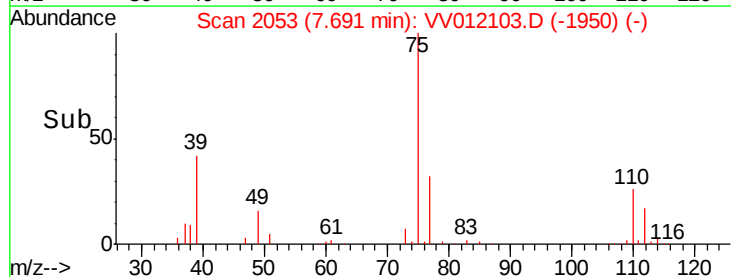
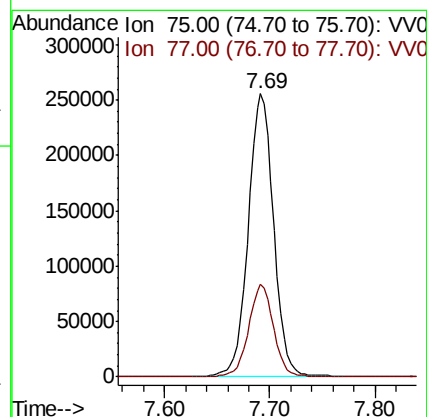
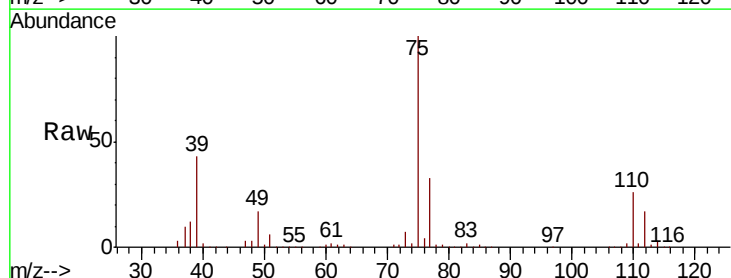
Acq: 03 Aug 2019 11:27

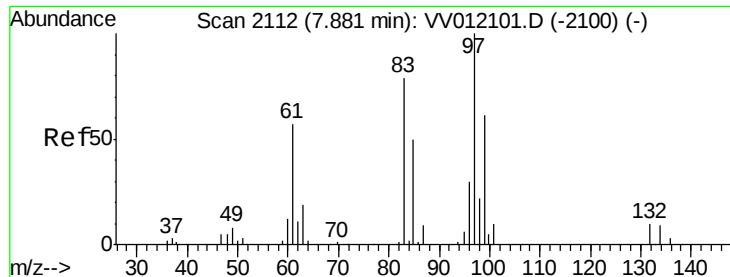
Tgt Ion: 75 Resp: 427875

Ion Ratio Lower Upper

75 100

77 32.5 23.3 43.3

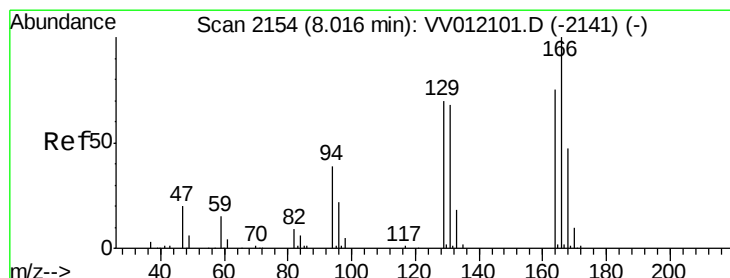
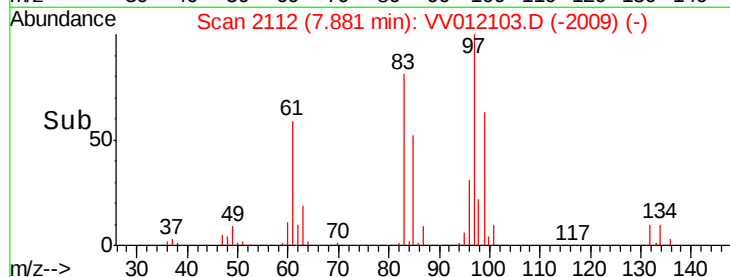
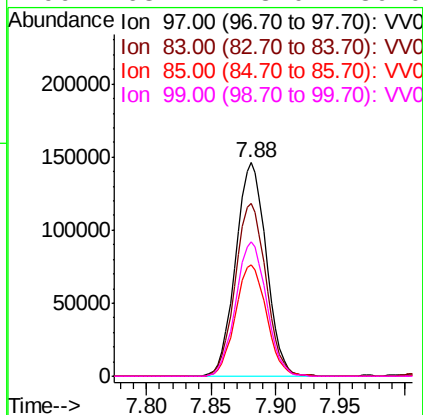
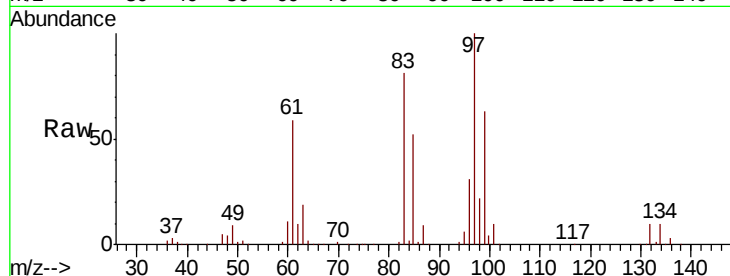




#46
 1,1,2-Trichloroethane
 Concen: 88.547 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012103.D
 Acq: 03 Aug 2019 11:27

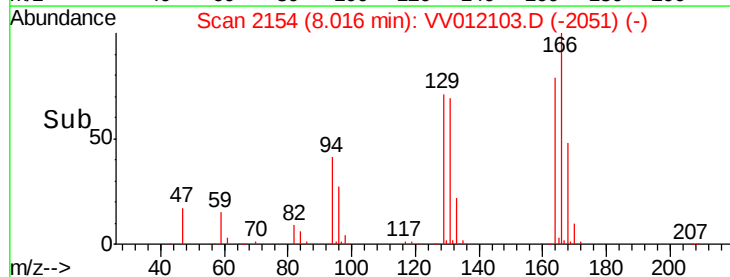
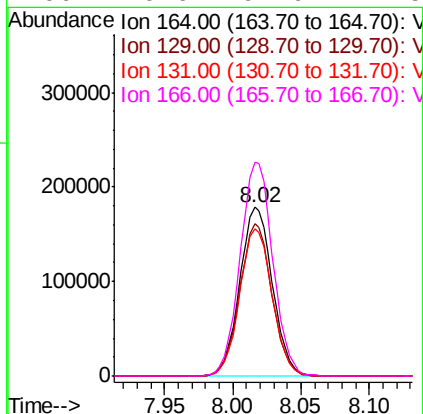
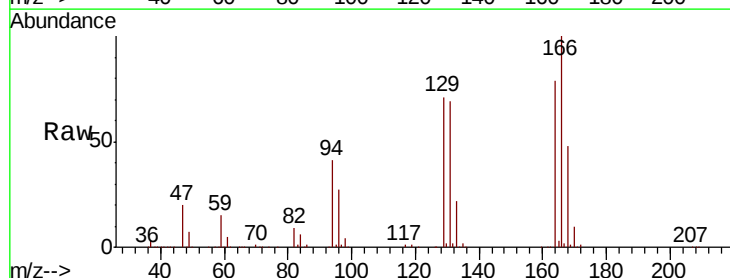
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

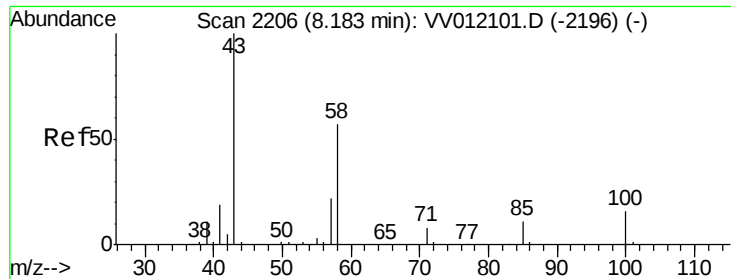
Tgt Ion:	97	Resp:	241906
Ion	Ratio	Lower	Upper
97	100		
83	81.1	55.2	102.6
85	52.4	35.4	65.7
99	63.1	43.0	80.0



#47
 Tetrachloroethene
 Concen: 108.394 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012103.D
 Acq: 03 Aug 2019 11:27

Tgt Ion:	164	Resp:	296437
Ion	Ratio	Lower	Upper
164	100		
129	90.4	65.5	121.6
131	87.4	63.2	117.4
166	126.6	92.9	172.5

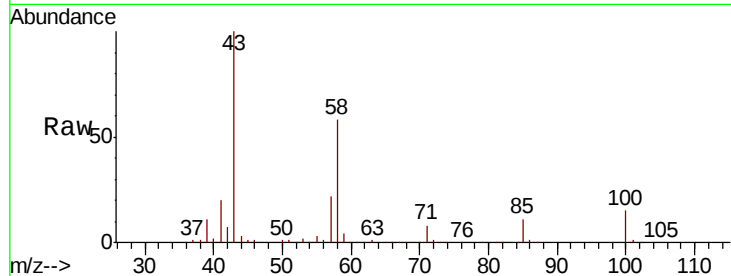




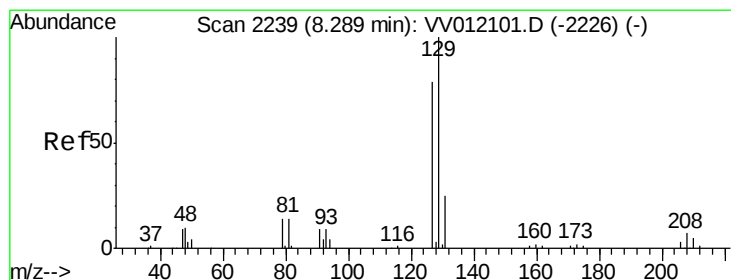
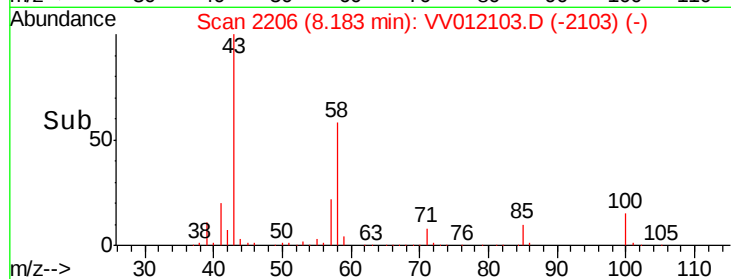
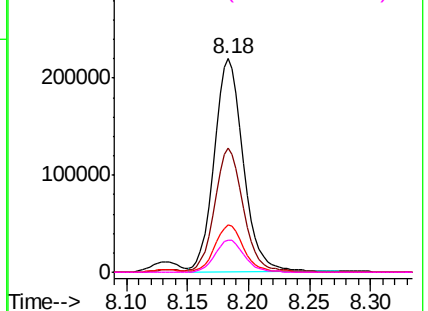
#49
2-Hexanone
Concen: 162.553 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV012103.D
Acq: 03 Aug 2019 11:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion: 43 Resp: 368894
Ion Ratio Lower Upper
43 100
58 57.5 45.7 68.5
57 22.0 18.1 27.1
100 15.3 12.0 18.0

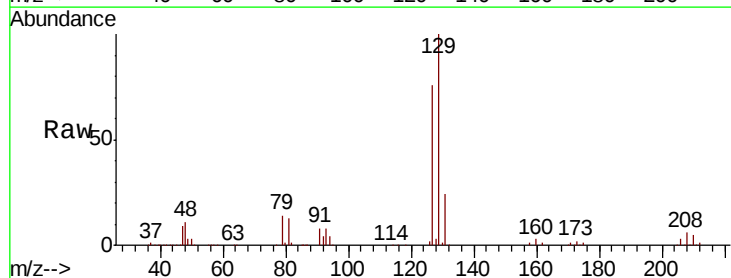


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

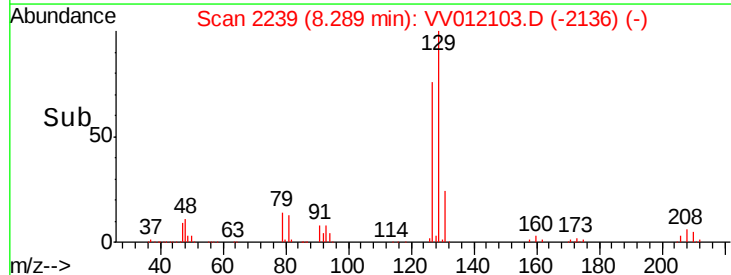
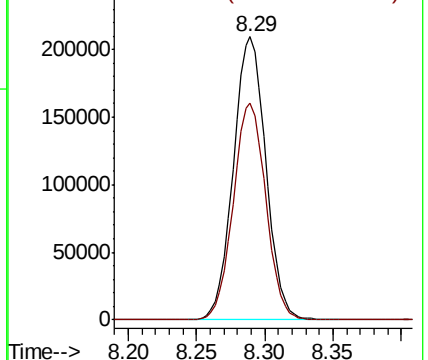


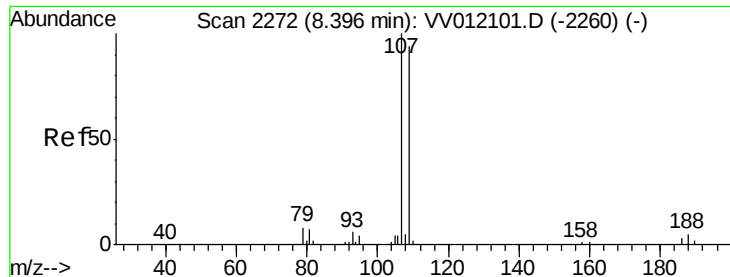
#50
Dibromochloromethane
Concen: 108.065 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012103.D
Acq: 03 Aug 2019 11:27

Tgt Ion: 129 Resp: 346635
Ion Ratio Lower Upper
129 100
127 76.5 55.4 103.0



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





#51

1,2-Dibromoethane

Concen: 96.905 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

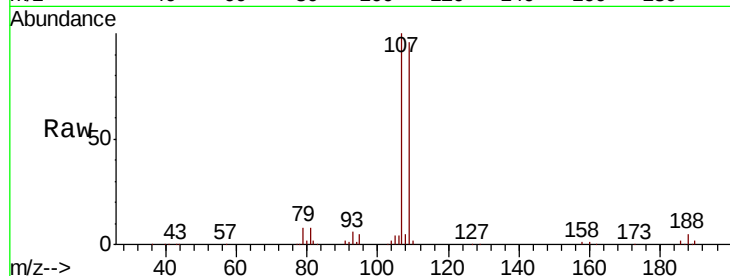
Tgt Ion:107 Resp: 262215

Ion Ratio Lower Upper

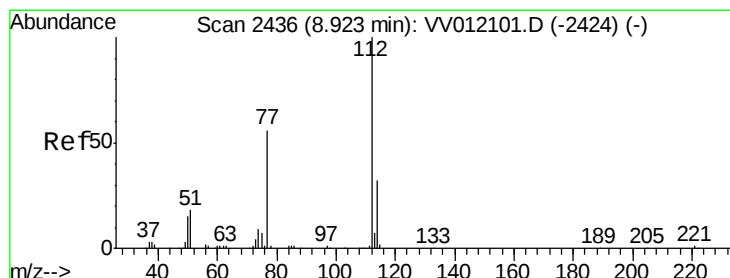
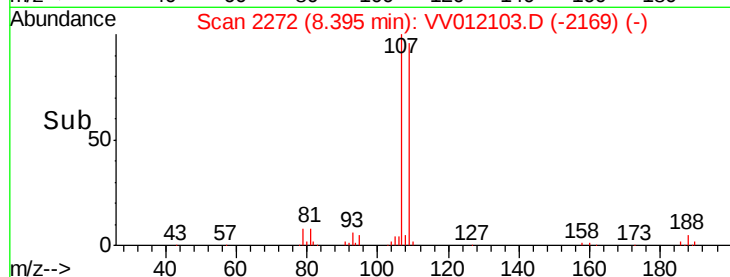
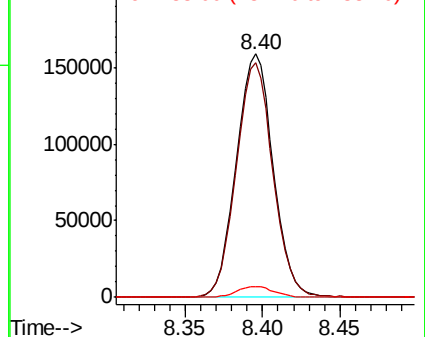
107 100

109 96.2 65.7 121.9

188 4.6 3.9 5.9



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 89.196 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

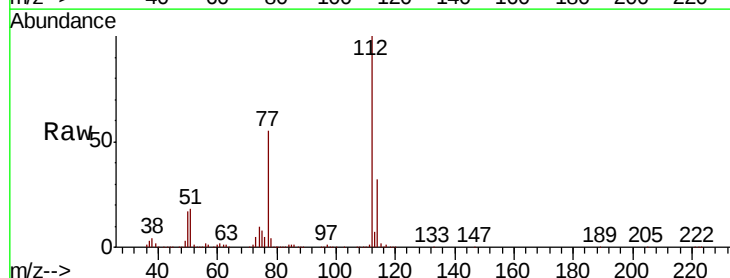
Tgt Ion:112 Resp: 832832

Ion Ratio Lower Upper

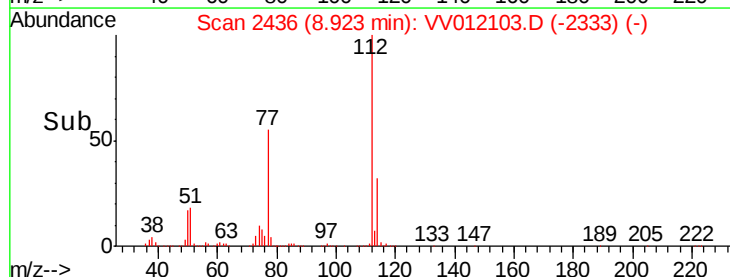
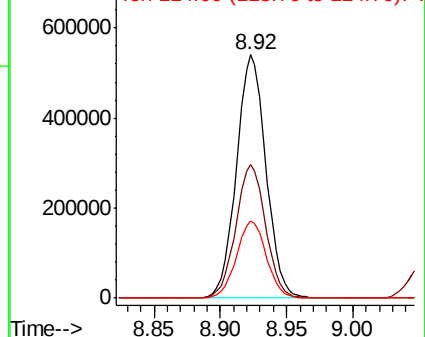
112 100

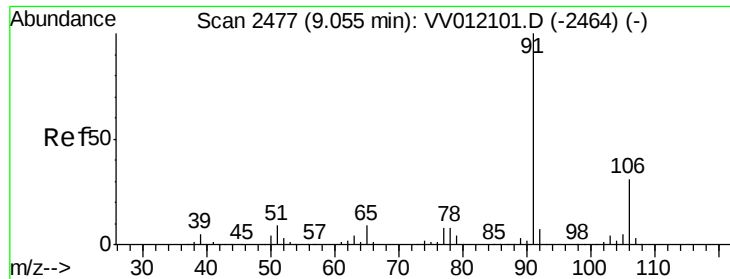
77 55.0 45.3 67.9

114 31.9 22.5 41.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 85.205 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

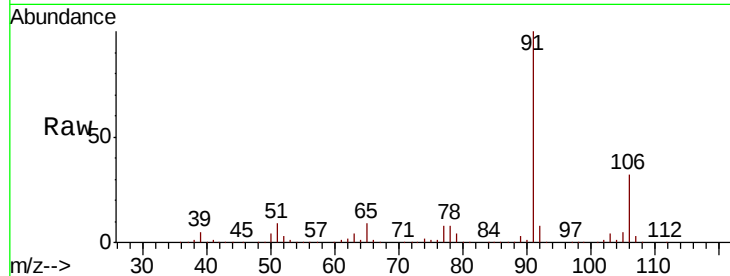
VSTD10065

Tgt Ion: 91 Resp: 1407057

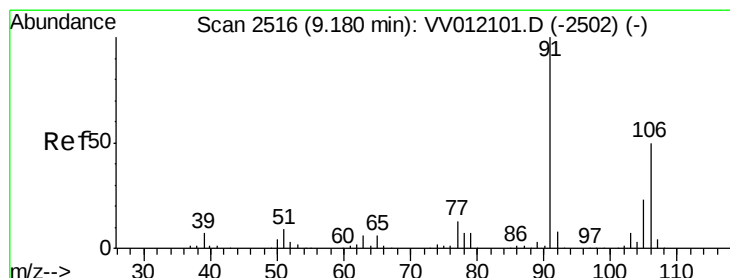
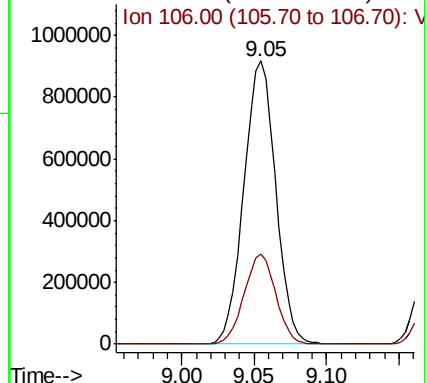
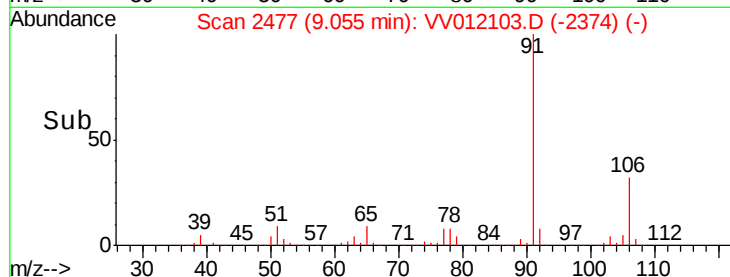
Ion Ratio Lower Upper

91 100

106 31.8 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV012103.D (-2374) (-)



#54

m,p-Xylene

Concen: 87.725 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012103.D

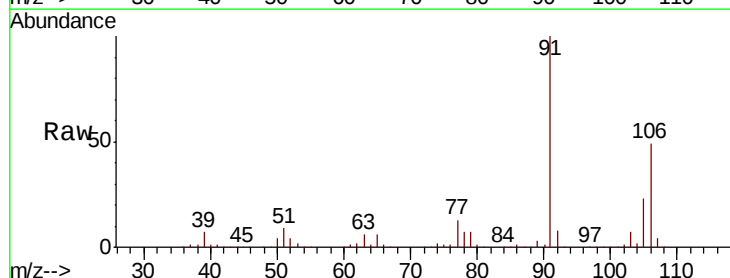
Acq: 03 Aug 2019 11:27

Tgt Ion: 106 Resp: 545358

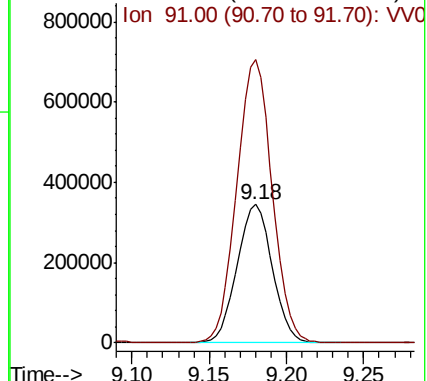
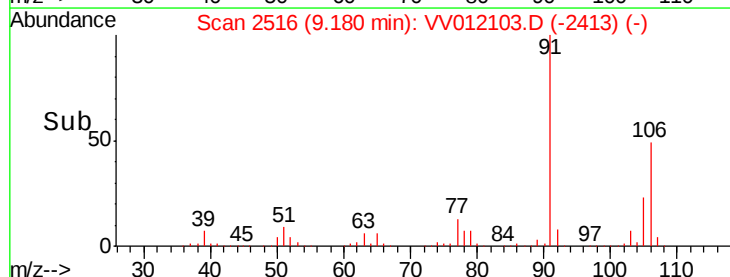
Ion Ratio Lower Upper

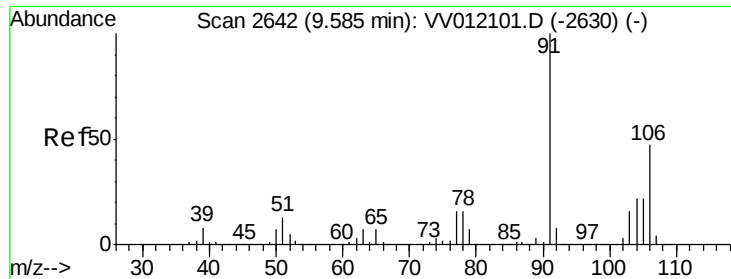
106 100

91 204.3 139.6 259.2



Abundance Ion 106.00 (105.70 to 106.70): VV012103.D (-2413) (-)

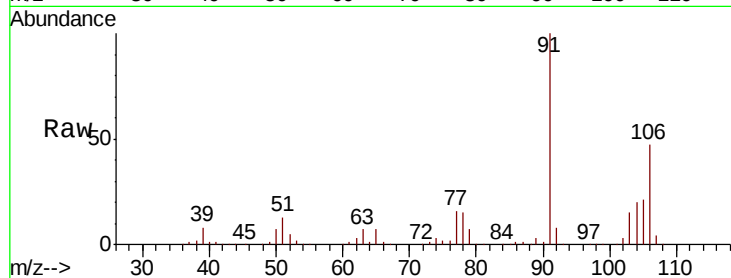




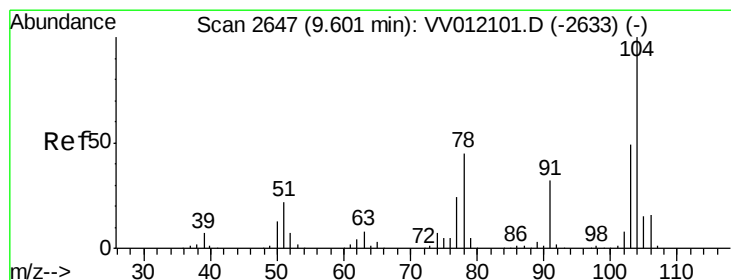
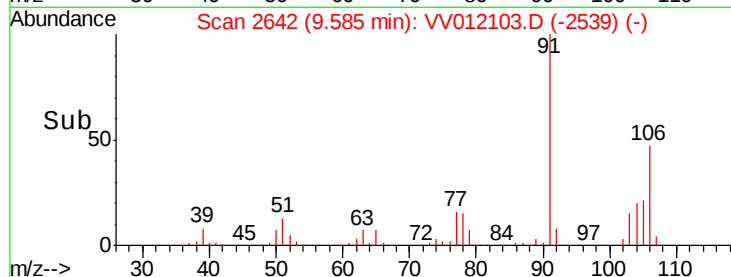
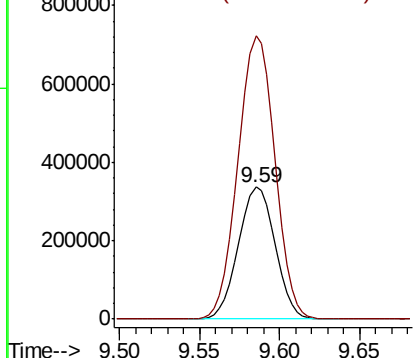
#55
o-xylene
Concen: 86.613 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012103.D
Acq: 03 Aug 2019 11:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion:106 Resp: 526633
Ion Ratio Lower Upper
106 100
91 214.9 149.4 277.4

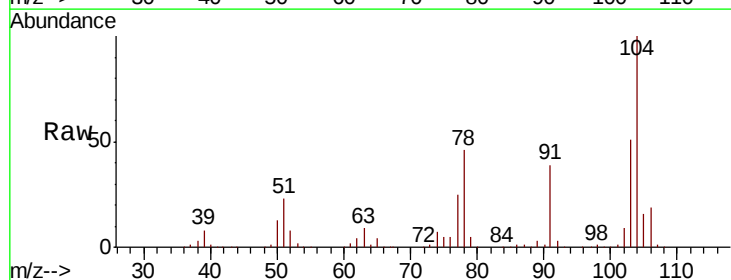


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

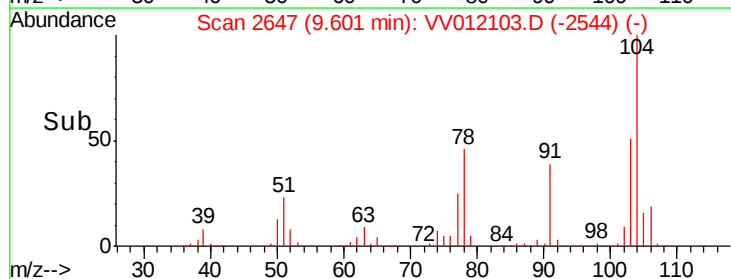
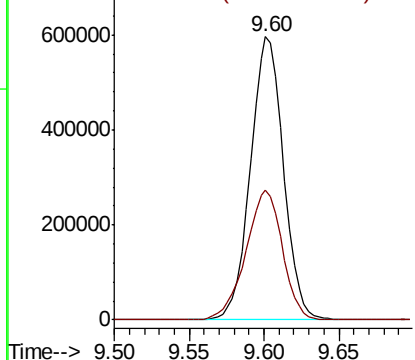


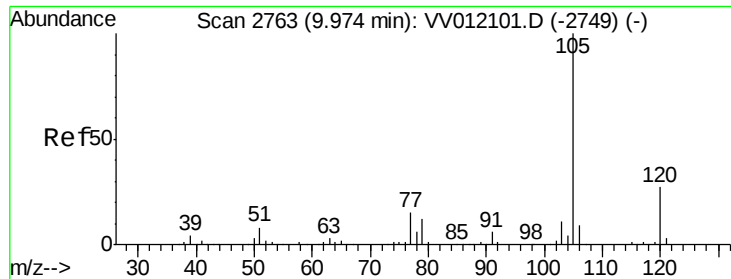
#56
Styrene
Concen: 89.442 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012103.D
Acq: 03 Aug 2019 11:27

Tgt Ion:104 Resp: 913964
Ion Ratio Lower Upper
104 100
78 45.8 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: 88.161 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

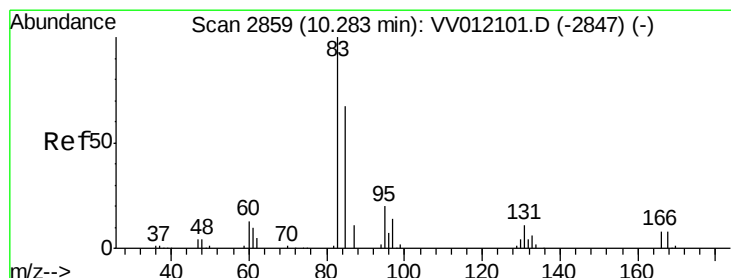
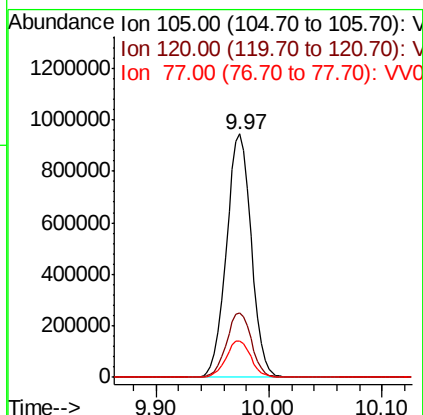
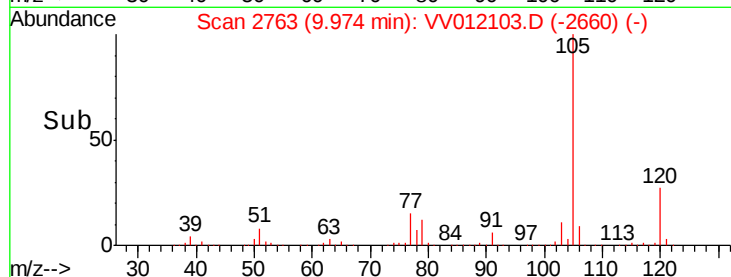
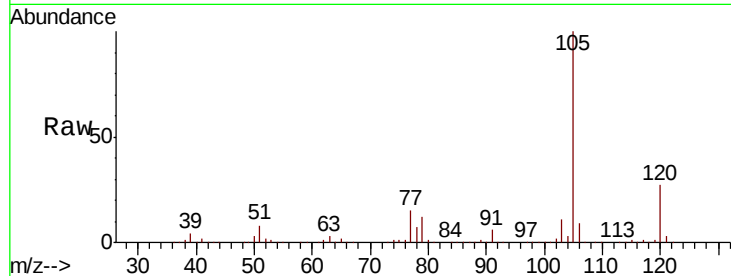
Tgt Ion:105 Resp: 1437743

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

77 15.1 12.1 18.1



#58

1,1,2,2-Tetrachloroethane

Concen: 84.763 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

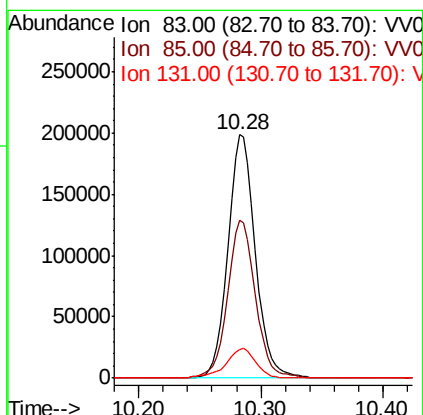
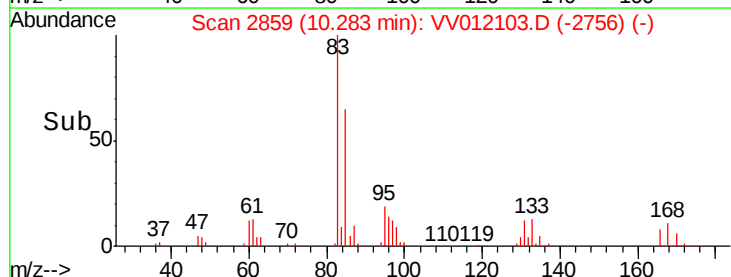
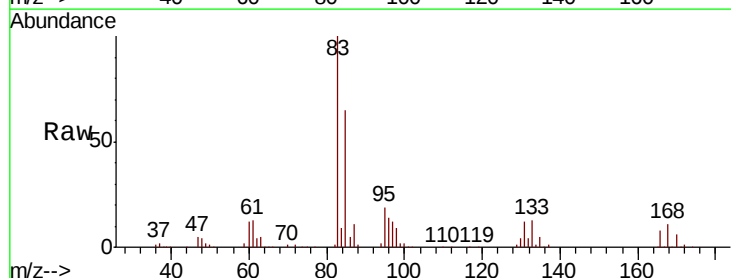
Tgt Ion: 83 Resp: 312591

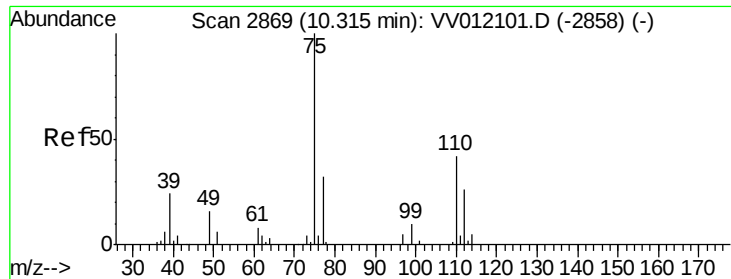
Ion Ratio Lower Upper

83 100

85 65.0 47.2 87.6

131 11.9 9.6 14.4

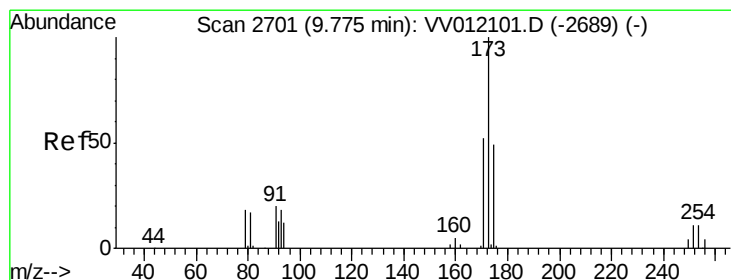
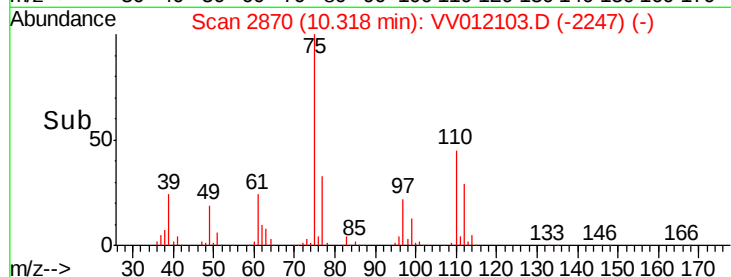
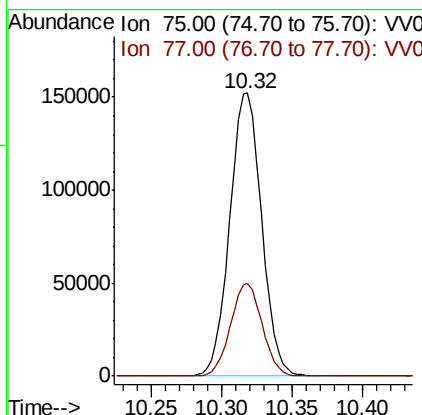
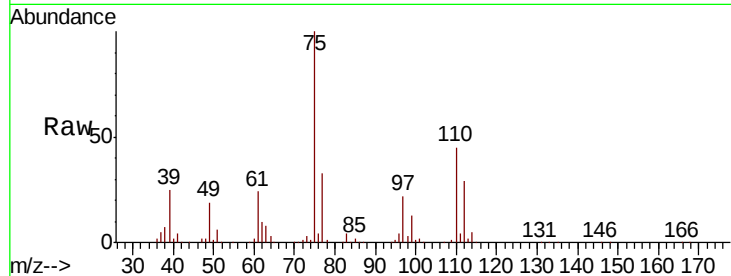




#59
 1,2,3-Trichloropropane
 Concen: 85.775 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012103.D
 Acq: 03 Aug 2019 11:27

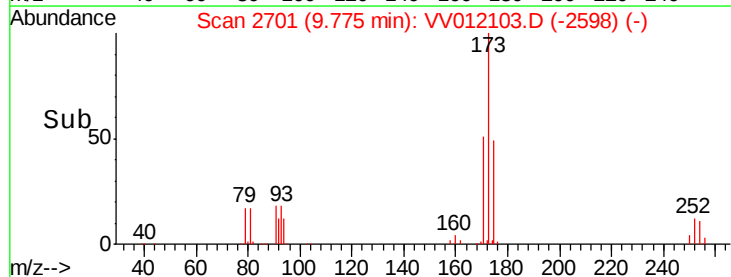
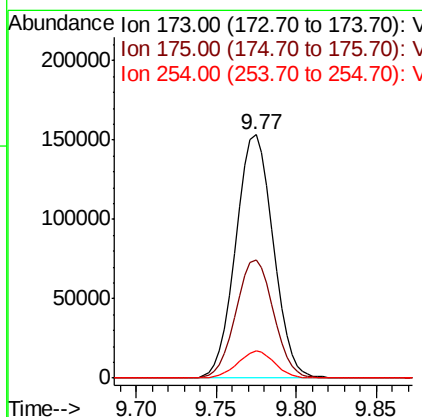
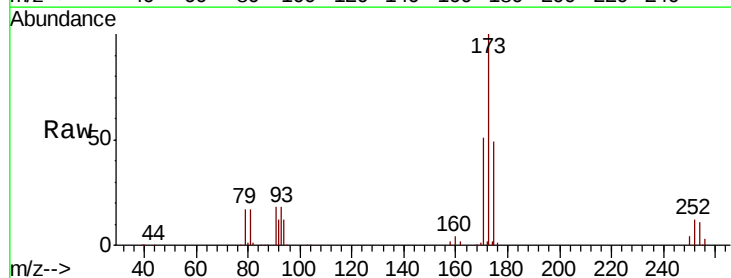
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

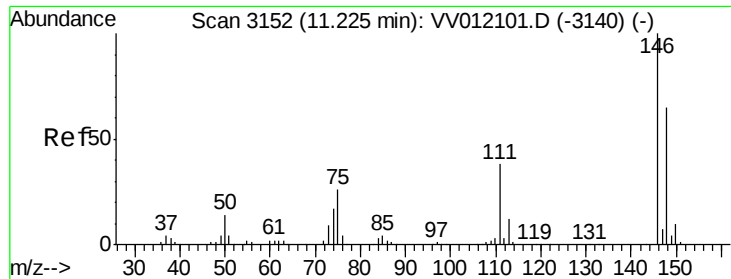
Tgt Ion: 75 Resp: 240956
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.2 39.4



#62
 Bromoform
 Concen: 115.910 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012103.D
 Acq: 03 Aug 2019 11:27

Tgt Ion: 173 Resp: 244833
 Ion Ratio Lower Upper
 173 100
 175 48.8 37.9 56.9
 254 10.9 8.2 12.4





#63

1,3-Dichlorobenzene

Concen: 90.279 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

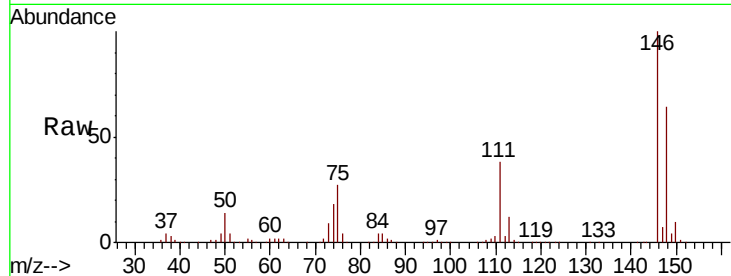
Tgt Ion:146 Resp: 744910

Ion Ratio Lower Upper

146 100

111 38.0 26.7 49.5

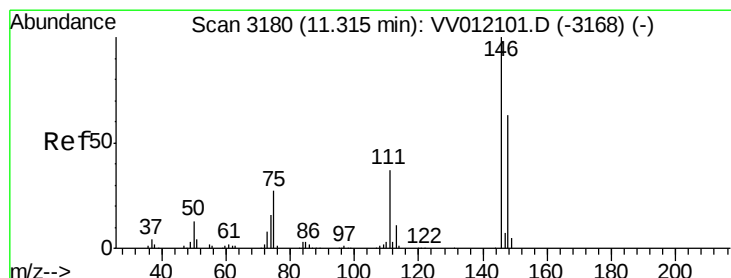
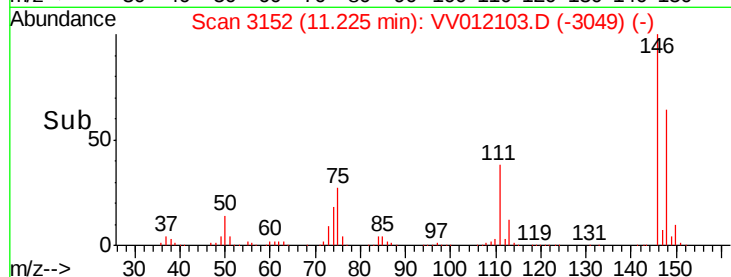
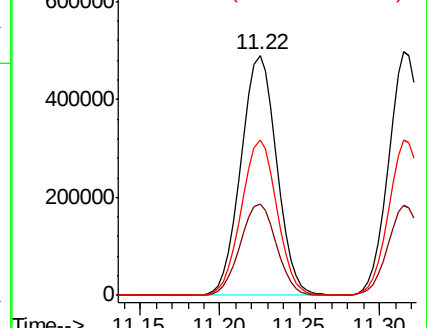
148 64.5 45.4 84.4



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



#64

1,4-Dichlorobenzene

Concen: 89.939 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

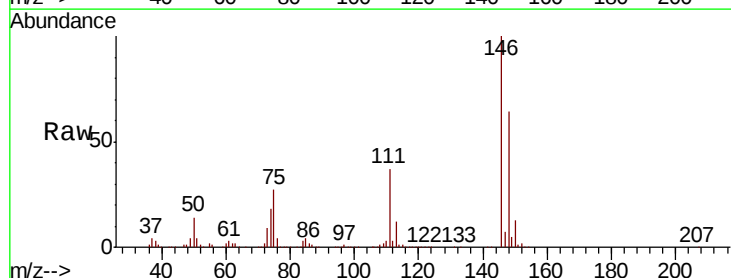
Tgt Ion:146 Resp: 751552

Ion Ratio Lower Upper

146 100

111 36.7 25.9 48.1

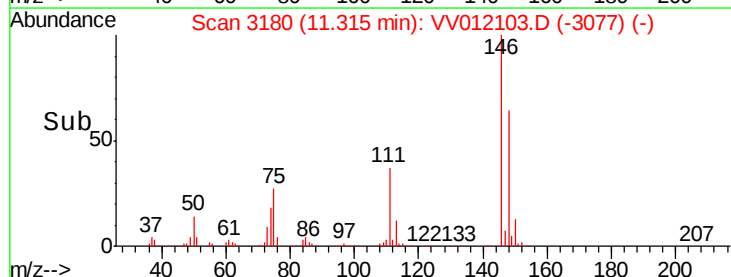
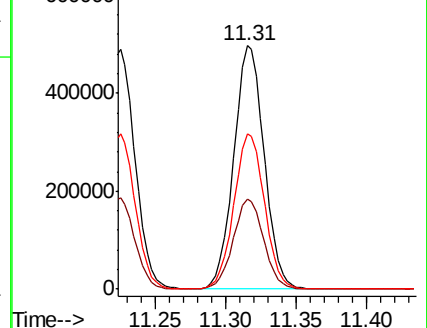
148 63.6 44.4 82.4

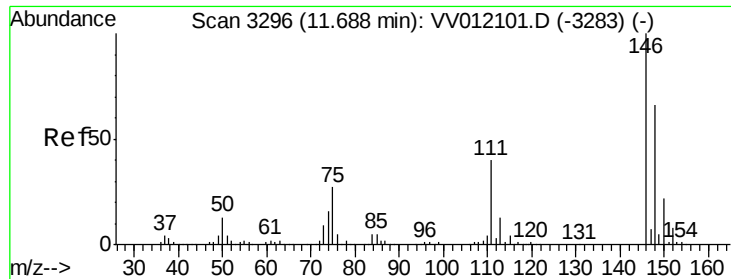


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 90.023 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

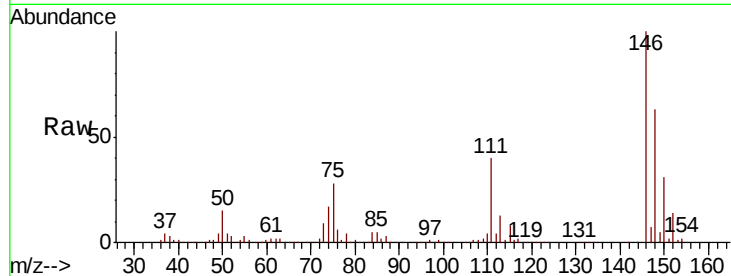
Tgt Ion: 146 Resp: 699396

Ion Ratio Lower Upper

146 100

111 40.0 32.2 48.4

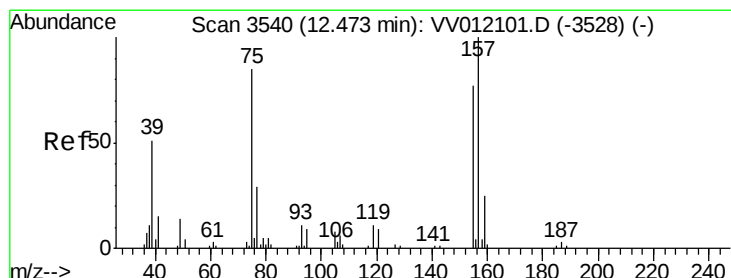
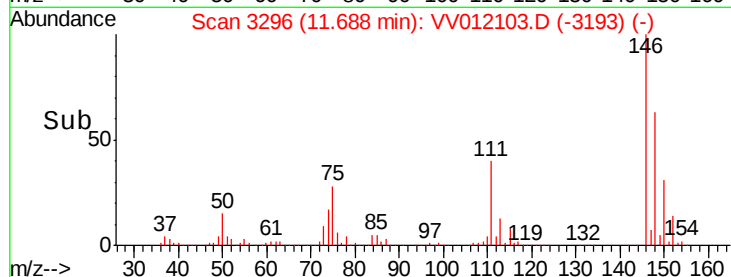
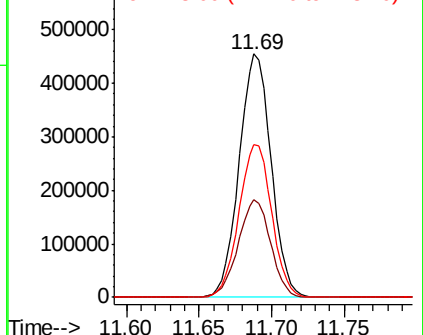
148 63.0 52.6 78.8



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: 95.261 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

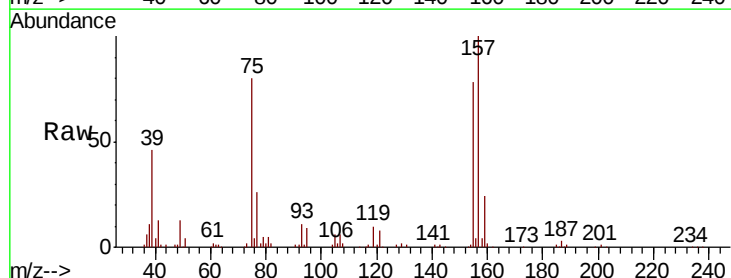
Tgt Ion: 75 Resp: 75069

Ion Ratio Lower Upper

75 100

157 124.3 94.4 141.6

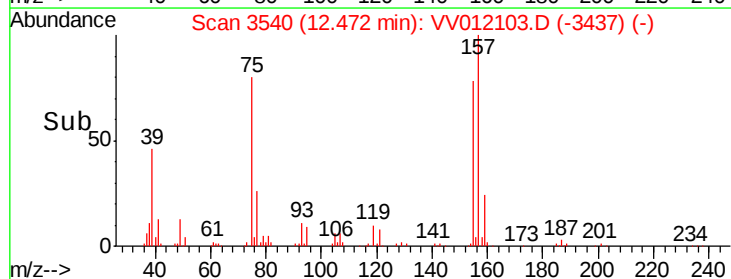
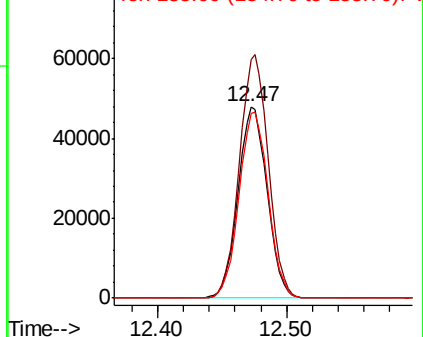
155 96.4 72.6 108.8

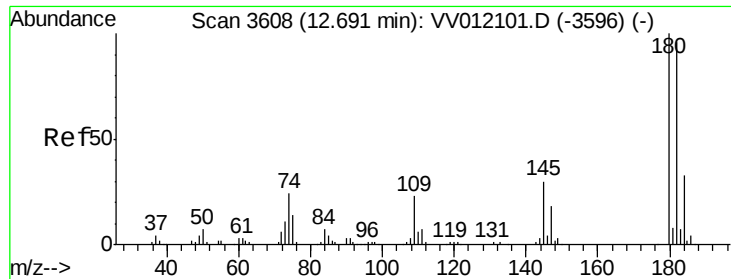


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

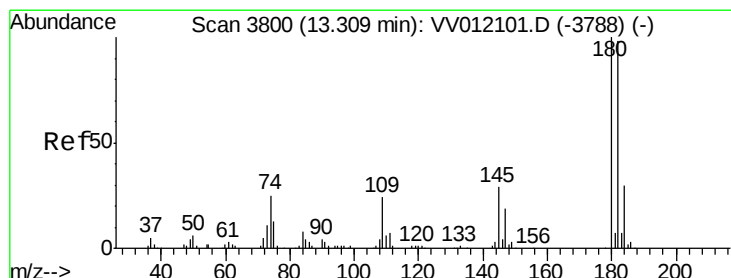
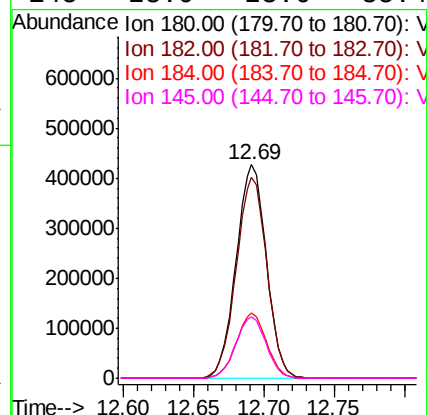
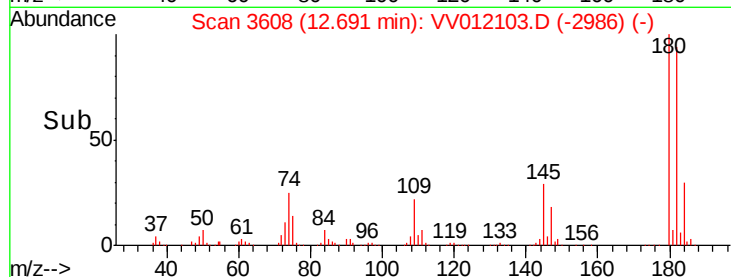
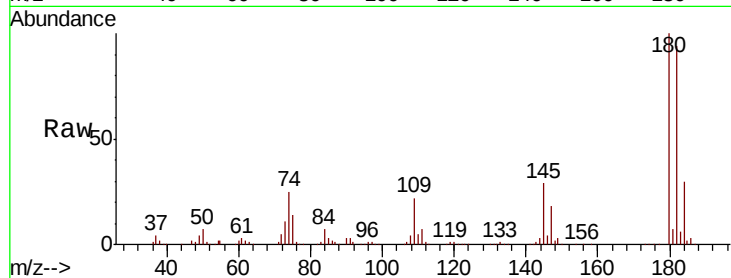




#67
 1,3,5-Trichlorobenzene
 Concen: 101.785 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012103.D
 Acq: 03 Aug 2019 11:27

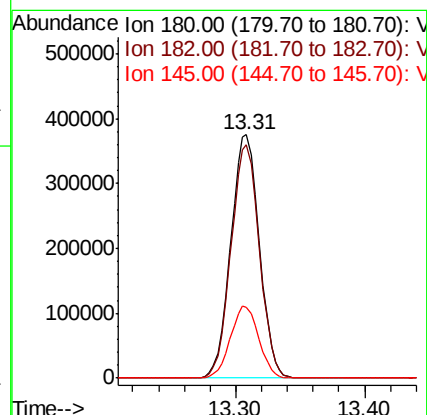
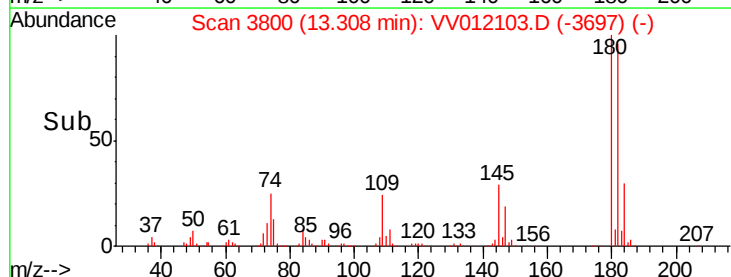
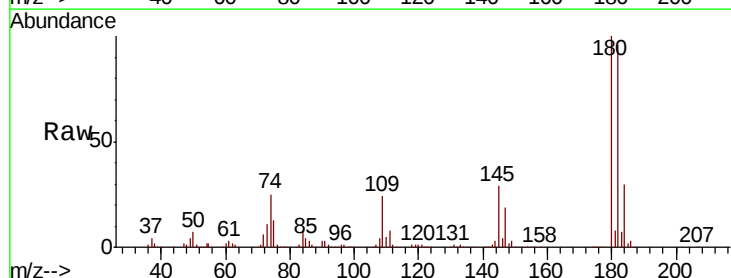
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

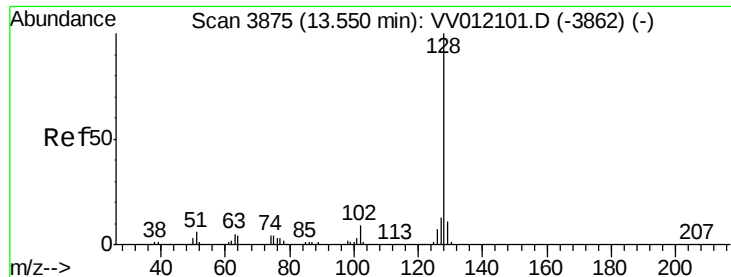
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.2	115.8
184	30.2	25.4	38.2
145	28.9	23.6	35.4



#68
 1,2,4-trichlorobenzene
 Concen: 111.692 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012103.D
 Acq: 03 Aug 2019 11:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.2	115.8
145	29.3	23.4	35.0





#69

Naphthalene

Concen: 110.530 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

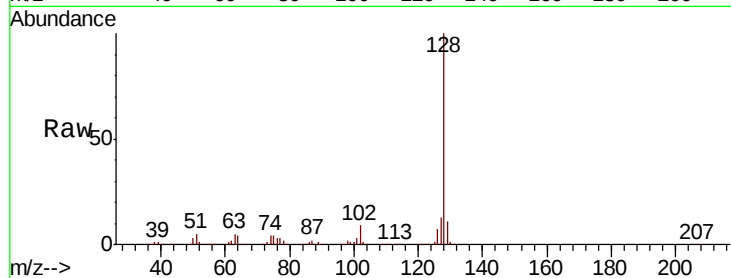
Tgt Ion:128 Resp: 1146751

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

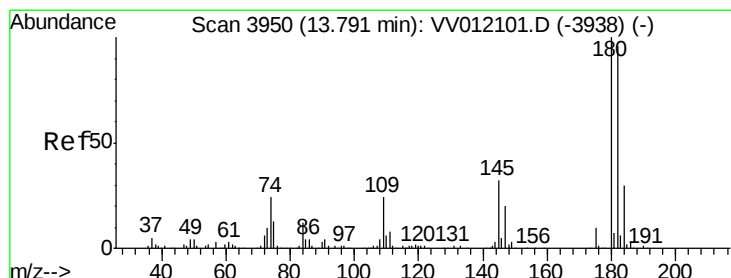
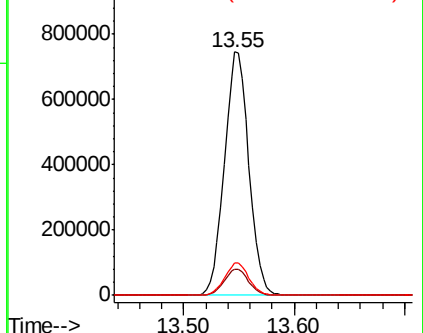
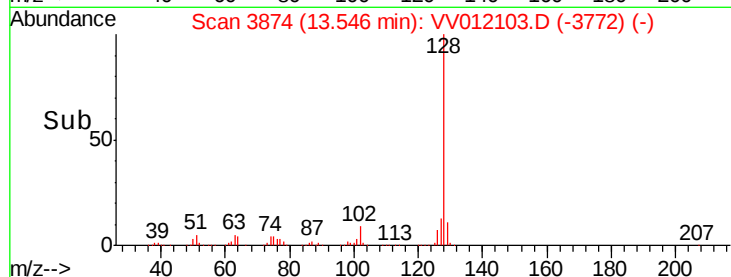
127 13.3 10.6 15.8



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: 110.024 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012103.D

Acq: 03 Aug 2019 11:27

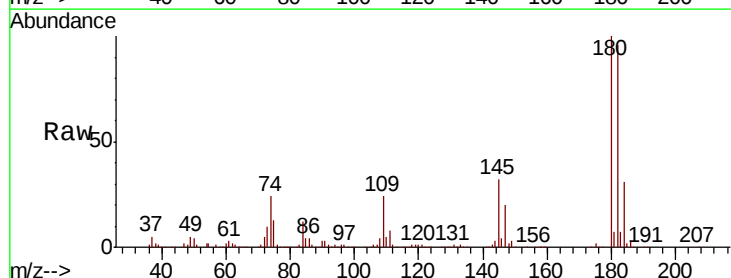
Tgt Ion:180 Resp: 527350

Ion Ratio Lower Upper

180 100

182 96.3 75.8 113.6

145 31.6 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

