

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060319\
 Data File : VV011196.D
 Acq On : 03 Jun 2019 10:10
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB68

Quant Time: Jun 04 01:10:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 03 05:47:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	362393	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	339802	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	165620	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	108558	22.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.56%
7) Chloroethane-d5	1.58	69	100098	26.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.20%
10) 1,1-Dichloroethene-d2	2.12	63	241668	24.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.04%
20) 2-Butanone-d5	3.95	46	80702	45.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.06%
24) Chloroform-d	4.40	84	191335	21.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.08	65	135728	23.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.04%
29) Benzene-d6	5.09	84	459943	24.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.68%
33) 1,2-Dichloropropane-d6	6.11	67	145583	24.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.48%
37) Toluene-d8	7.36	98	429223	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.60%
38) trans-1,3-Dichloropropene-	7.66	79	65006	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.16%
39) 2-Hexanone-d5	8.13	63	57029	42.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.88%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	119832	22.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.96%
61) 1,2-Dichlorobenzene-d4	11.67	152	151477	24.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	159320	27.225 ug/L	99
3) Chloromethane	1.25	50	147840	25.838 ug/L	99
5) Vinyl chloride	1.32	62	151053	26.481 ug/L	100
6) Bromomethane	1.53	94	80330	26.124 ug/L	99
8) Chloroethane	1.59	64	99373	30.110 ug/L	99
9) Trichlorofluoromethane	1.76	101	223738	27.261 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	114191	25.977 ug/L	99
12) 1,1-Dichloroethene	2.13	96	105300	25.859 ug/L	88
13) Acetone	2.21	43	99689	47.817 ug/L	97
14) Carbon disulfide	2.31	76	332072	25.393 ug/L	99
15) Methyl Acetate	2.46	43	63291	20.175 ug/L	96
16) Methylene chloride	2.53	84	122823	22.240 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	309958	21.957 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	126353	25.474 ug/L	99
19) 1,1-Dichloroethane	3.22	63	238934	24.896 ug/L	98
21) 2-Butanone	4.03	43	101540	41.515 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	138530	25.006 ug/L	97

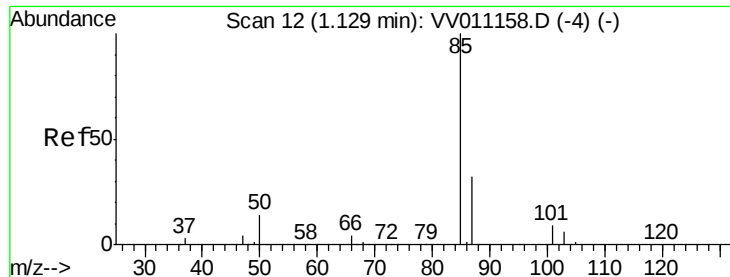
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060319\
 Data File : VV011196.D
 Acq On : 03 Jun 2019 10:10
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 Quant Title : VOC Analysis
 QLast Update : Mon Jun 03 05:47:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	56623	23.229	ug/L	92
25) Chloroform	4.42	83	282230	27.525	ug/L	99
27) 1,2-Dichloroethane	5.18	62	166277	23.158	ug/L	100
30) Cyclohexane	4.72	56	238394	26.235	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	212845	27.351	ug/L	100
32) Carbon tetrachloride	4.87	117	183426	27.803	ug/L	100
34) Benzene	5.14	78	509959	25.316	ug/L	100
35) Trichloroethene	5.96	95	140873	26.671	ug/L	99
36) Methylcyclohexane	6.17	83	236451	26.454	ug/L	99
40) 1,2-Dichloropropane	6.22	63	129216	24.403	ug/L #	95
41) Bromodichloromethane	6.55	83	175245	25.409	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	209324	24.865	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	200016	41.580	ug/L	99
44) Toluene	7.43	91	560916	25.510	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	173604	24.161	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	96340	23.326	ug/L	99
47) Tetrachloroethene	8.02	164	105718	27.009	ug/L	96
49) 2-Hexanone	8.18	43	147810	42.647	ug/L	97
50) Dibromochloromethane	8.29	129	114391	24.508	ug/L	99
51) 1,2-Dibromoethane	8.40	107	92744	23.152	ug/L #	98
52) Chlorobenzene	8.92	112	351150	24.948	ug/L	98
53) Ethylbenzene	9.05	91	654712	25.950	ug/L	99
54) m,p-Xylene	9.18	106	243115	25.906	ug/L	98
55) o-xylene	9.59	106	232289	25.168	ug/L	98
56) Styrene	9.60	104	394482	25.445	ug/L	96
57) Isopropylbenzene	9.97	105	641475	26.029	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	119691	21.326	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	92920	21.895	ug/L	98
62) Bromoform	9.77	173	61087	23.659	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	273262	25.471	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	271433	24.932	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	250011	24.613	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	21329	21.642	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	204402	25.488	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	162938	25.319	ug/L	99
69) Naphthalene	13.55	128	306539	23.171	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	146040	24.469	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 27.225 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

Instrument :

MSVOA_V

ClientSampleId :

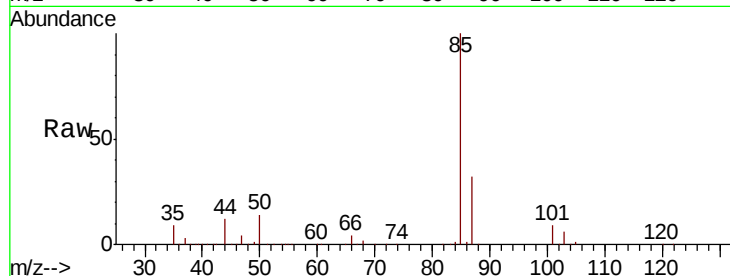
BFB68

Tgt Ion: 85 Resp: 159320

Ion Ratio Lower Upper

85 100

87 31.8 22.8 42.4



Abundance Ion 85.00 (84.70 to 85.70): VV011158.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VV011158.D (-4) (-)

1.14

150000

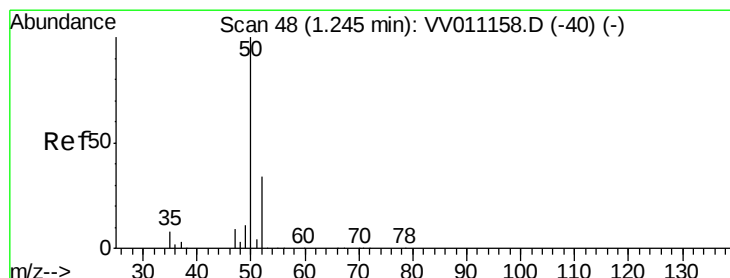
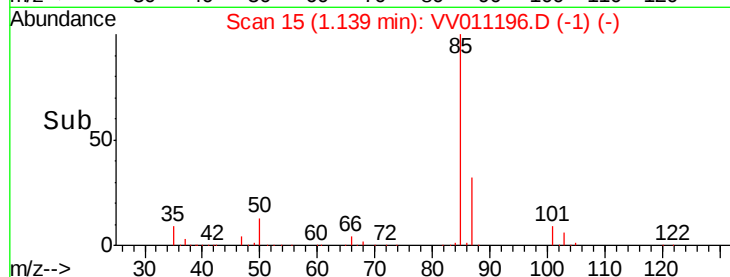
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 25.838 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011196.D

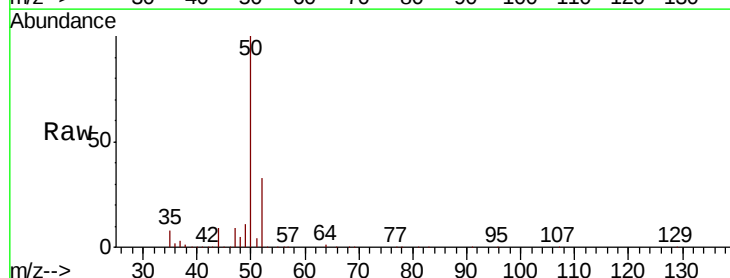
Acq: 03 Jun 2019 10:10

Tgt Ion: 50 Resp: 147840

Ion Ratio Lower Upper

50 100

52 32.5 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV011158.D (-40) (-)

Ion 52.00 (51.70 to 52.70): VV011158.D (-40) (-)

1.25

150000

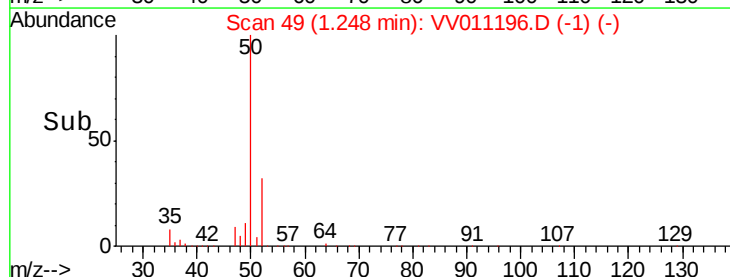
100000

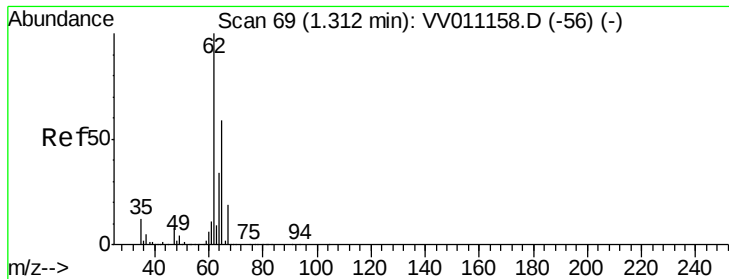
50000

0

1.20 1.25

Time-->





#5

Vinyl chloride

Concen: 26.481 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

Instrument :

MSVOA_V

ClientSampleId :

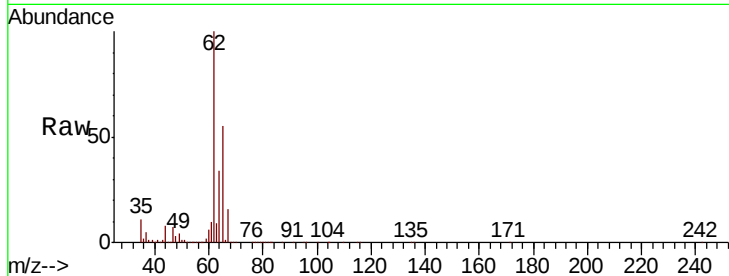
BFB68

Tgt Ion: 62 Resp: 151053

Ion Ratio Lower Upper

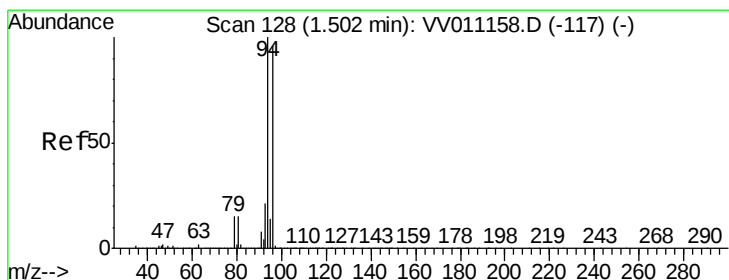
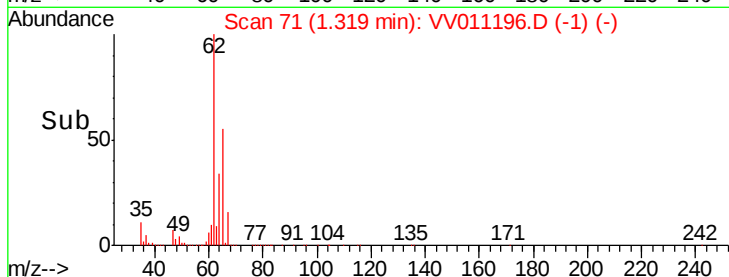
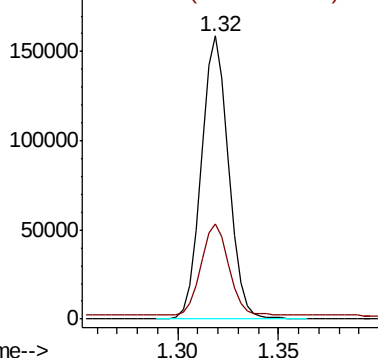
62 100

64 33.9 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 26.124 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.01 min

Lab File: VV011196.D

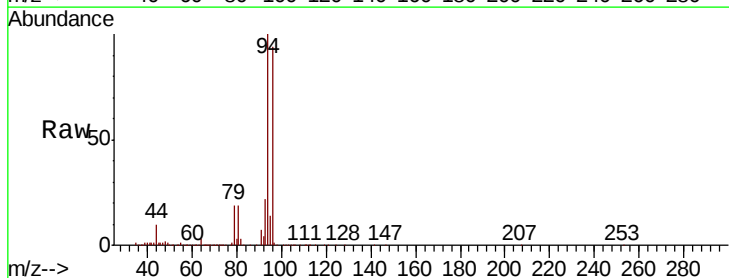
Acq: 03 Jun 2019 10:10

Tgt Ion: 94 Resp: 80330

Ion Ratio Lower Upper

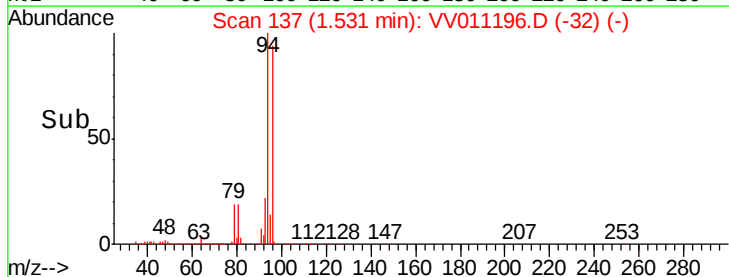
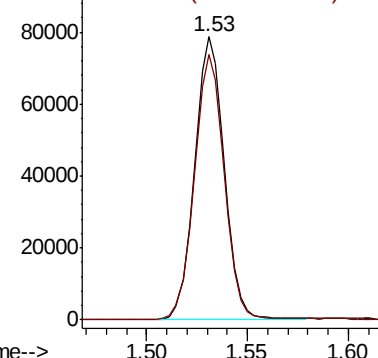
94 100

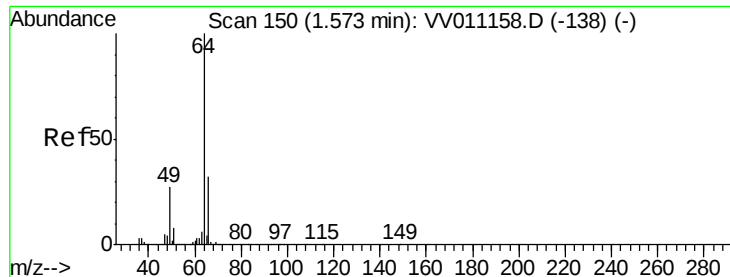
96 95.2 9.4 179.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 30.110 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.01 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

Instrument :

MSVOA_V

ClientSampleId :

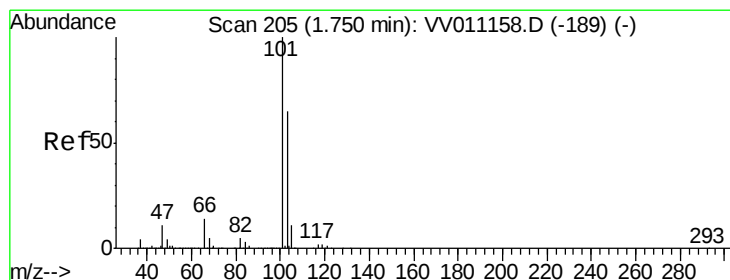
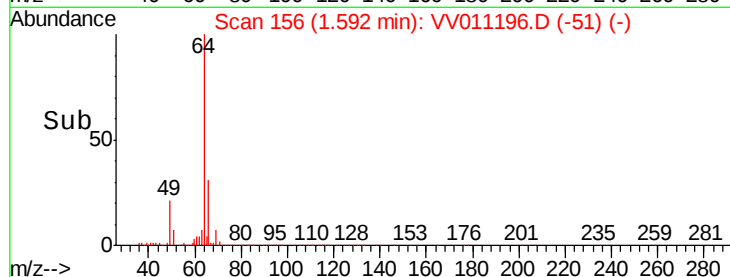
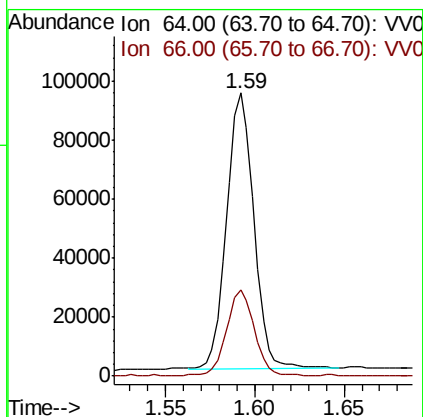
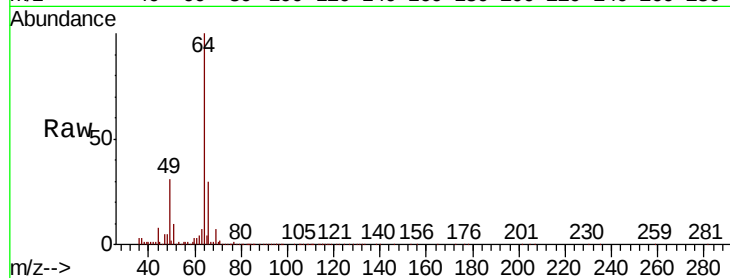
BFB68

Tgt Ion: 64 Resp: 99373

Ion Ratio Lower Upper

64 100

66 30.4 21.7 40.3



#9

Trichlorofluoromethane

Concen: 27.261 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV011196.D

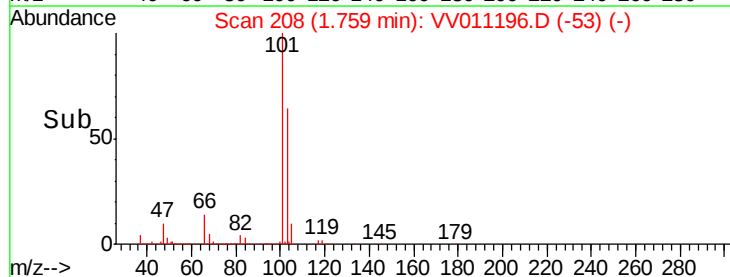
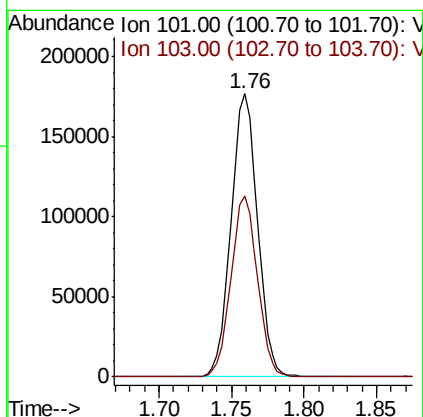
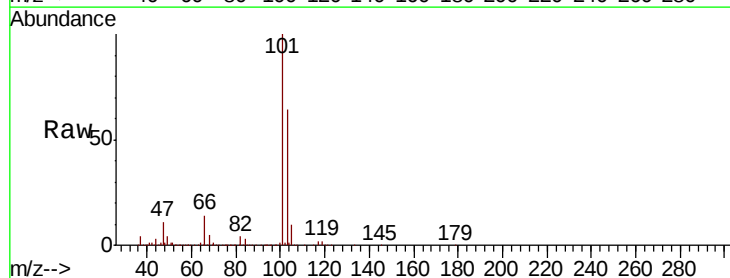
Acq: 03 Jun 2019 10:10

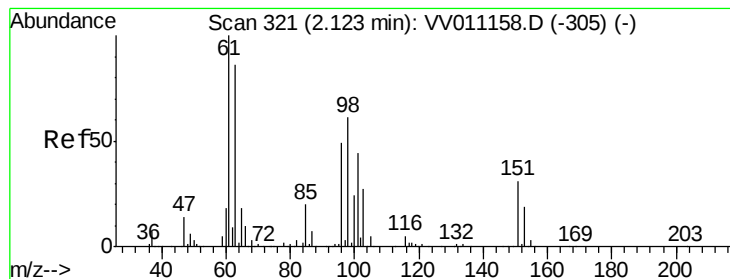
Tgt Ion: 101 Resp: 223738

Ion Ratio Lower Upper

101 100

103 63.7 44.4 82.4





#11

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

Concen: 25.977 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

Instrument :

MSVOA_V

ClientSampleId :

BFB68

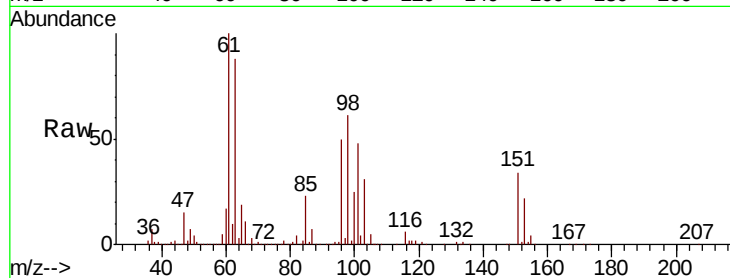
Tgt Ion: 101 Resp: 114191

Ion Ratio Lower Upper

101 100

85 45.4 37.4 56.2

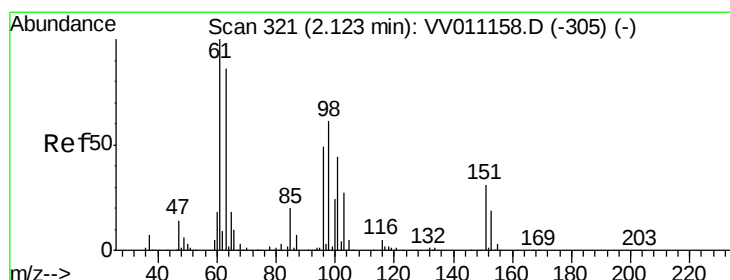
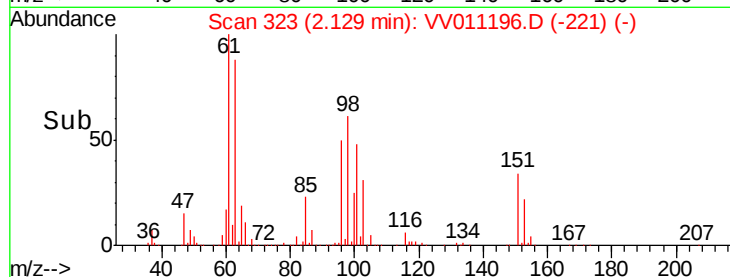
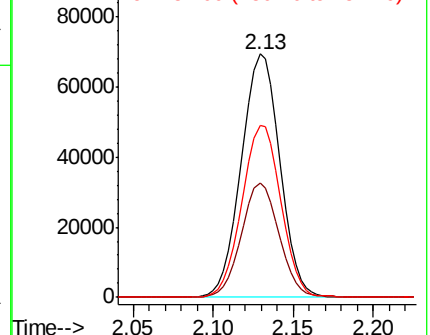
151 71.5 57.1 85.7



Abundance Ion 101.00 (100.70 to 101.70): VV011196.D (-221) (-)

Ion 85.00 (84.70 to 85.70): VV011196.D (-221) (-)

Ion 151.00 (150.70 to 151.70): VV011196.D (-221) (-)



#12

1,1-Dichloroethene

Concen: 25.859 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

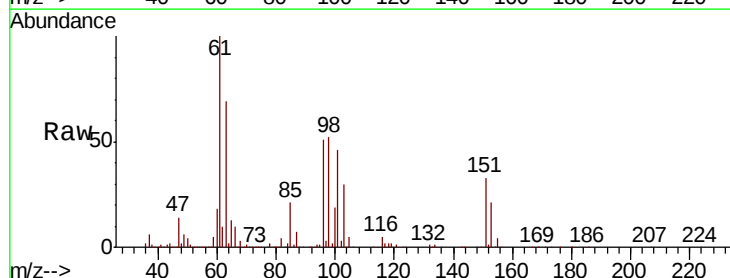
Tgt Ion: 96 Resp: 105300

Ion Ratio Lower Upper

96 100

61 194.6 141.6 263.0

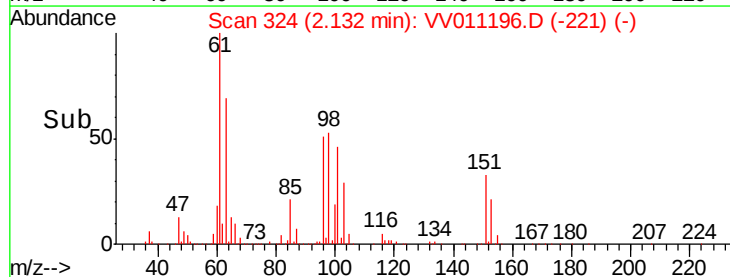
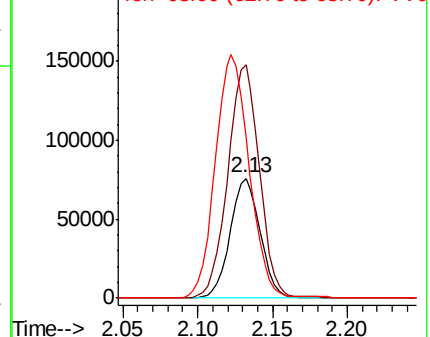
63 134.6 114.4 212.4

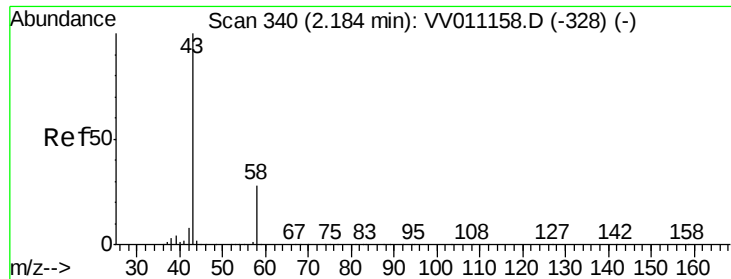


Abundance Ion 96.00 (95.70 to 96.70): VV011196.D (-221) (-)

Ion 61.00 (60.70 to 61.70): VV011196.D (-221) (-)

Ion 63.00 (62.70 to 63.70): VV011196.D (-221) (-)





#13

Acetone

Concen: 47.817 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

Instrument :

MSVOA_V

ClientSampleId :

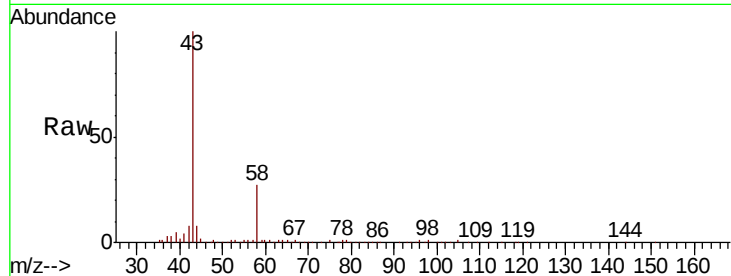
BFB68

Tgt Ion: 43 Resp: 99689

Ion Ratio Lower Upper

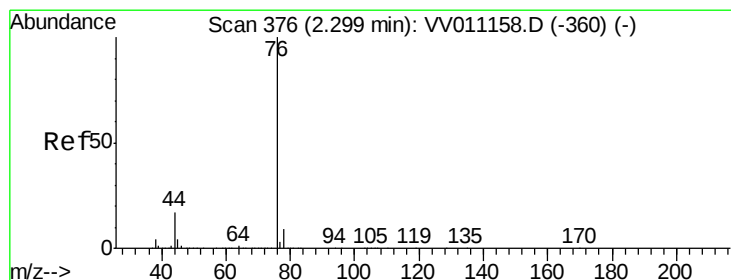
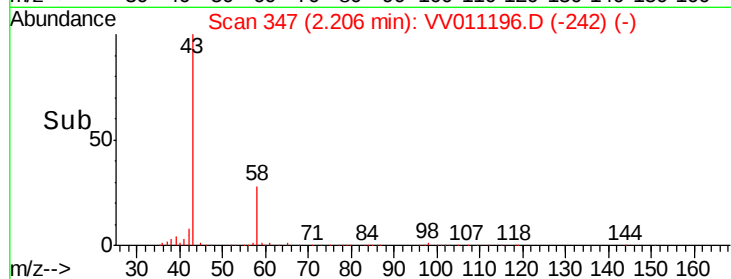
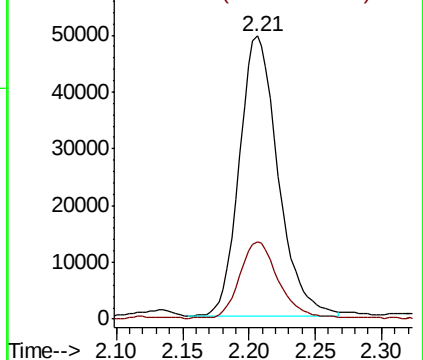
43 100

58 28.4 0.0 53.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 25.393 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV011196.D

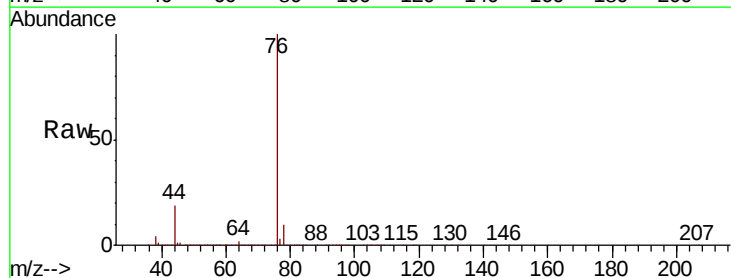
Acq: 03 Jun 2019 10:10

Tgt Ion: 76 Resp: 332072

Ion Ratio Lower Upper

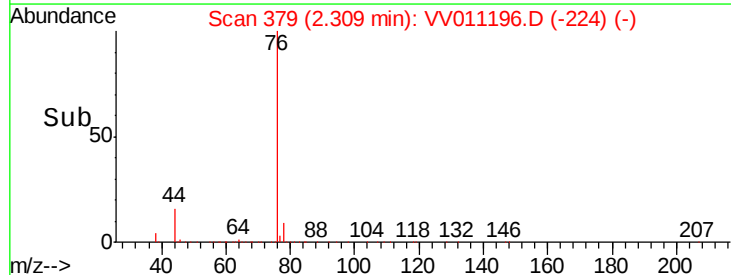
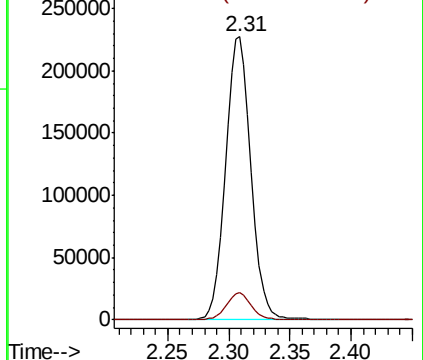
76 100

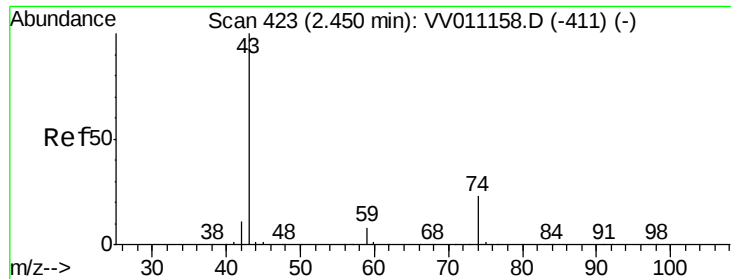
78 9.5 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

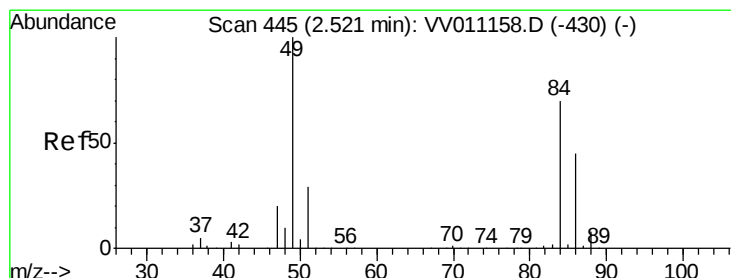
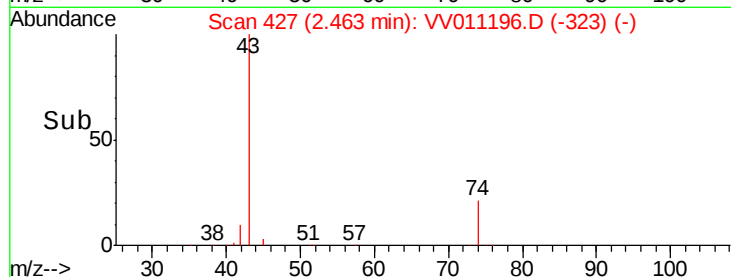
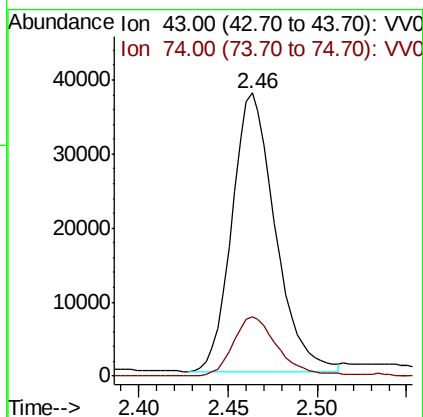
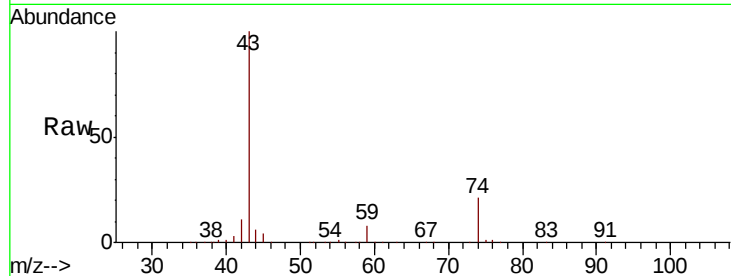




#15
Methyl Acetate
Concen: 20.175 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV011196.D
Acq: 03 Jun 2019 10:10

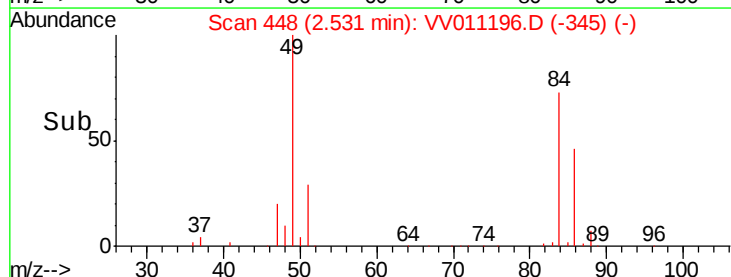
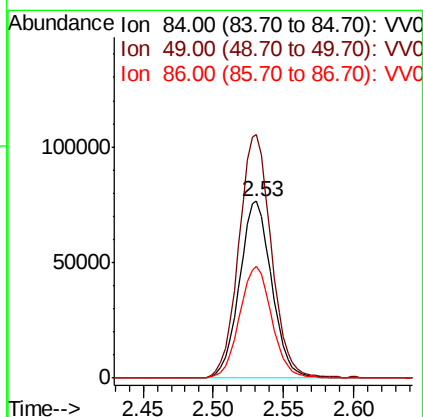
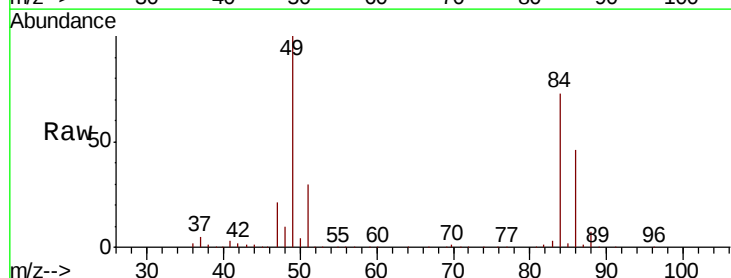
Instrument :
MSVOA_V
ClientSampleId :
BFB68

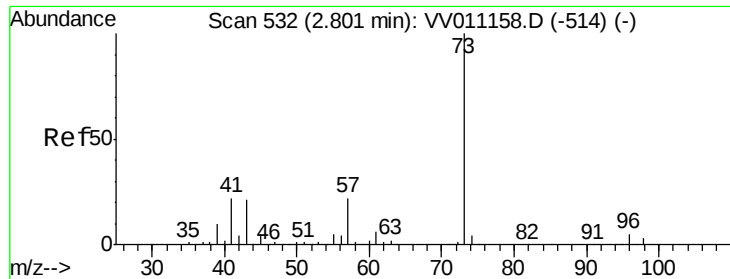
Tgt Ion: 43 Resp: 63291
Ion Ratio Lower Upper
43 100
74 22.1 16.2 24.4



#16
Methylene chloride
Concen: 22.240 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV011196.D
Acq: 03 Jun 2019 10:10

Tgt Ion: 84 Resp: 122823
Ion Ratio Lower Upper
84 100
49 137.9 96.1 178.5
86 63.1 45.0 83.6

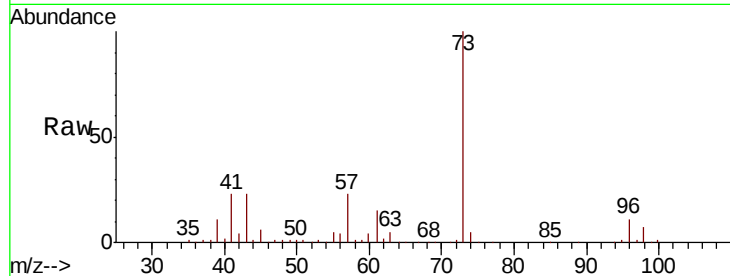




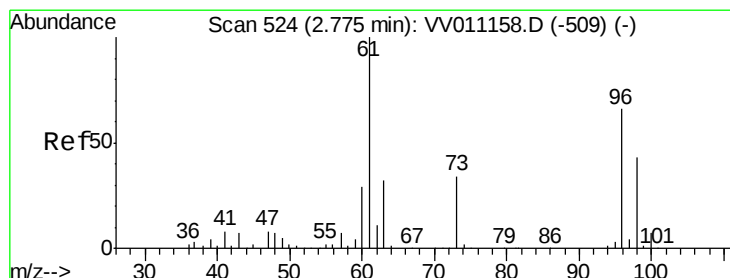
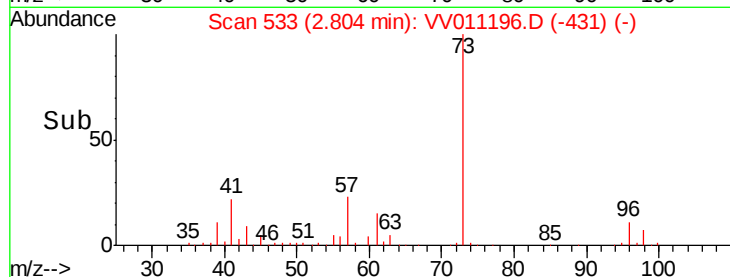
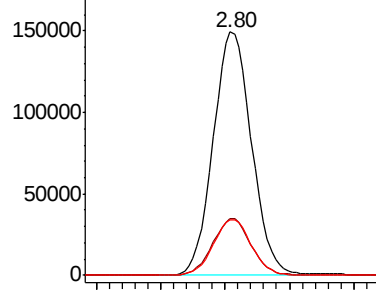
#17
Methyl tert-butyl Ether
Concen: 21.957 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV011196.D
Acq: 03 Jun 2019 10:10

Instrument :
MSVOA_V
ClientSampleId :
BFB68

Tgt Ion: 73 Resp: 309958
Ion Ratio Lower Upper
73 100
43 22.8 17.5 26.3
57 22.7 18.2 27.4

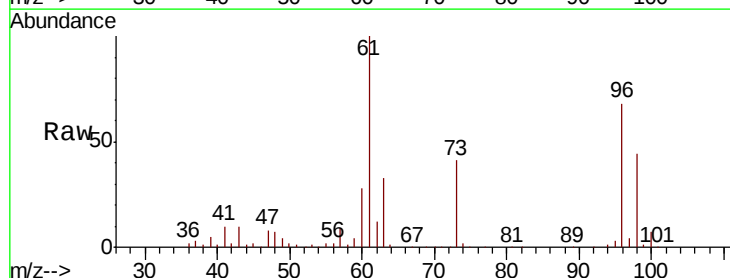


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

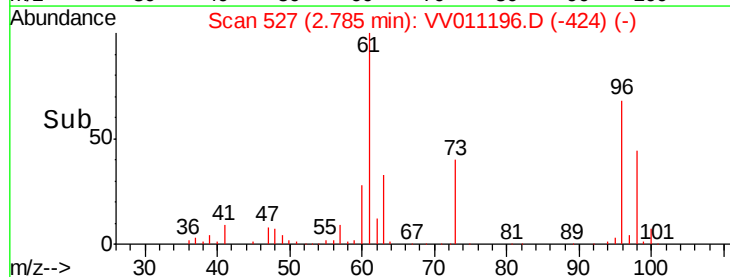
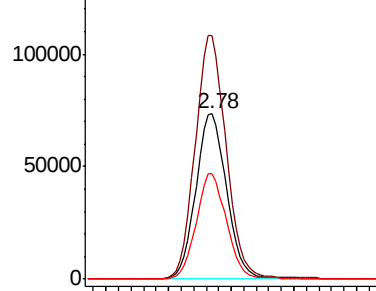


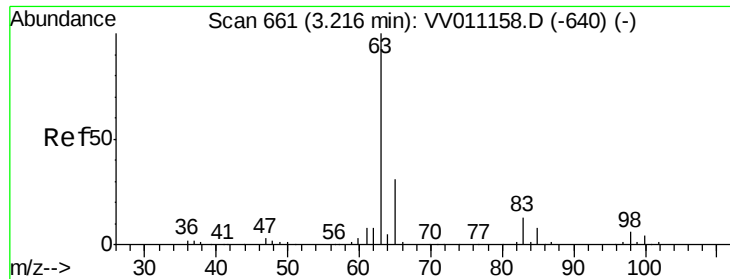
#18
trans-1,2-Dichloroethene
Concen: 25.474 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV011196.D
Acq: 03 Jun 2019 10:10

Tgt Ion: 96 Resp: 126353
Ion Ratio Lower Upper
96 100
61 147.4 102.6 190.5
98 64.2 43.3 80.3



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

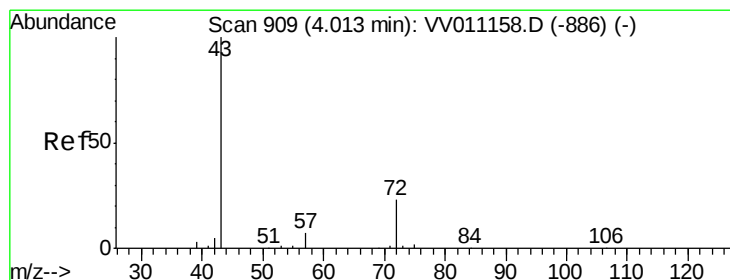
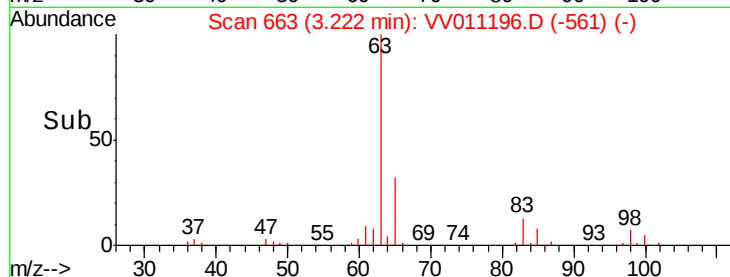
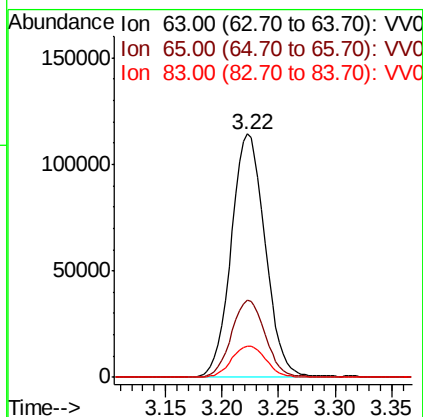
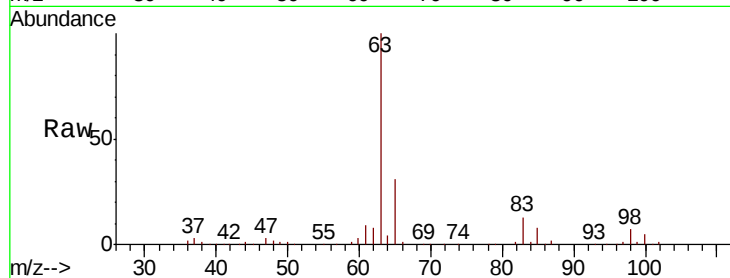




#19
 1,1-Dichloroethane
 Concen: 24.896 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

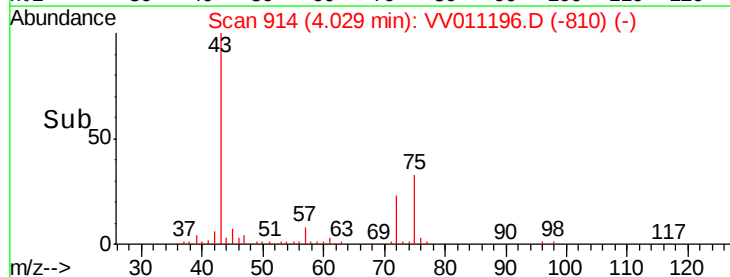
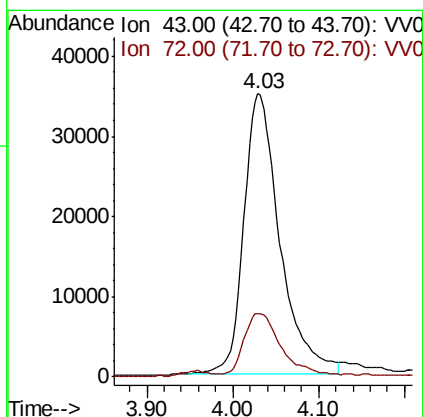
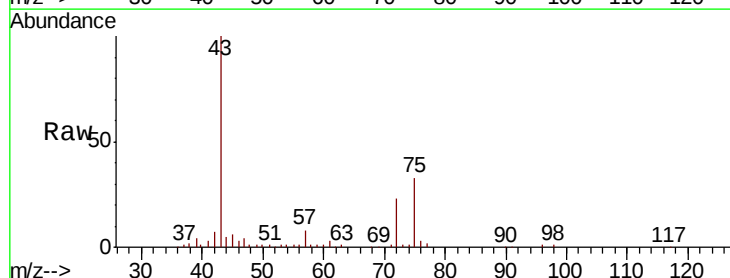
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB68

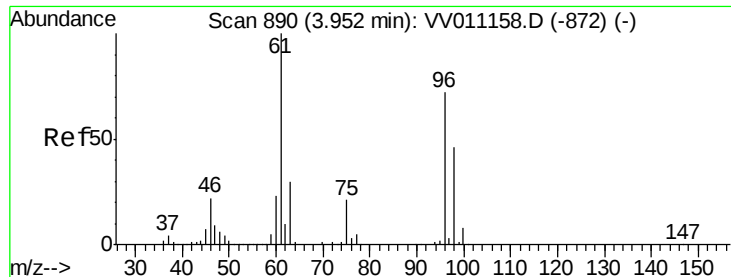
Tgt Ion: 63 Resp: 238934
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.7 42.3
 83 12.6 9.2 17.0



#21
 2-Butanone
 Concen: 41.515 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

Tgt Ion: 43 Resp: 101540
 Ion Ratio Lower Upper
 43 100
 72 21.9 11.1 33.3



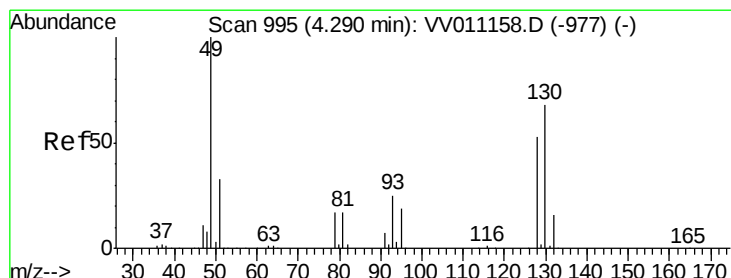
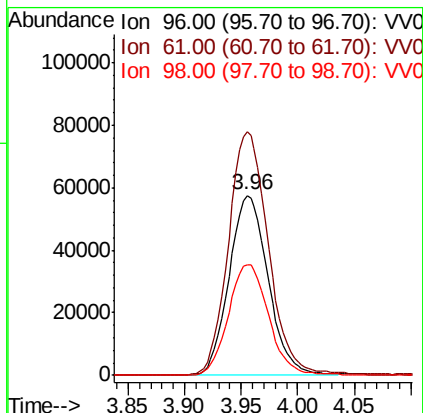
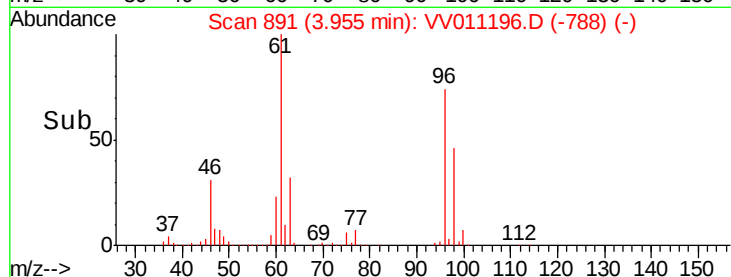
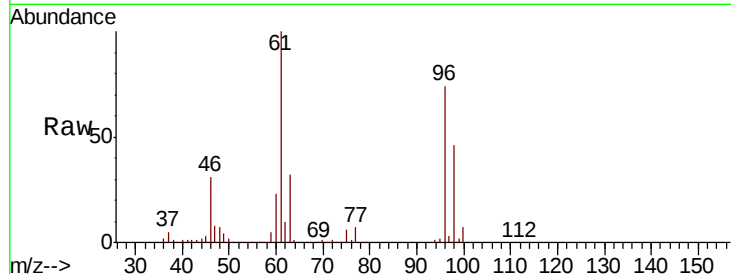


#22

cis-1,2-Dichloroethene
Concen: 25.006 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV011196.D
Acq: 03 Jun 2019 10:10

Instrument :
MSVOA_V
ClientSampled :
BFB68

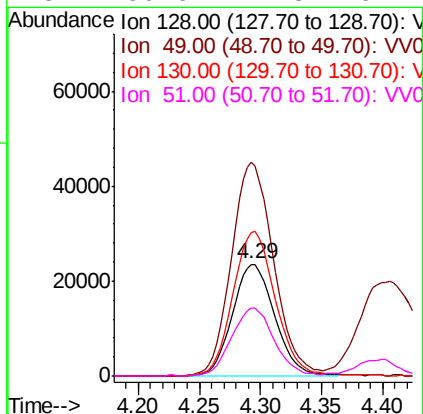
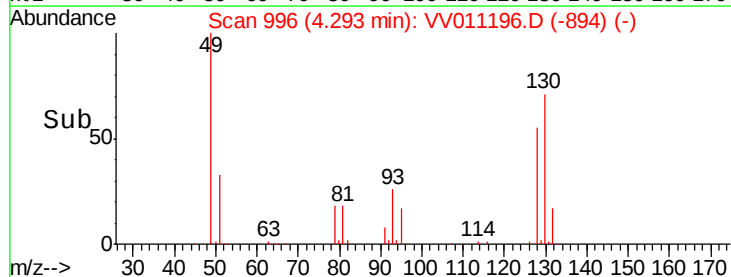
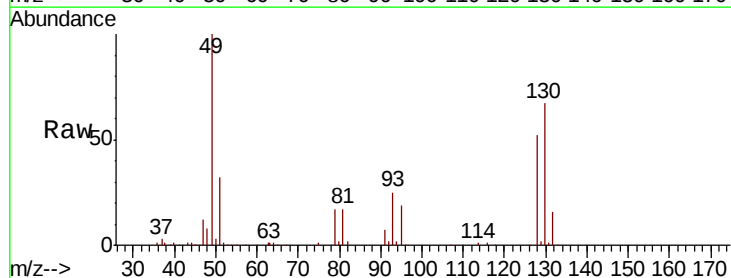
Tgt Ion: 96 Resp: 138530
Ion Ratio Lower Upper
96 100
61 135.4 97.4 181.0
98 61.7 45.0 83.6

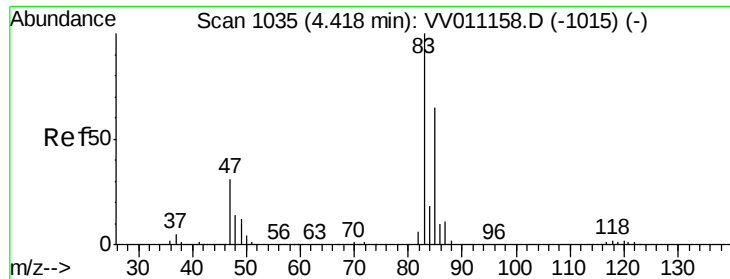


#23

Bromochloromethane
Concen: 23.229 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV011196.D
Acq: 03 Jun 2019 10:10

Tgt Ion: 128 Resp: 56623
Ion Ratio Lower Upper
128 100
49 191.6 125.4 233.0
130 128.3 83.3 154.7
51 60.6 44.8 67.2

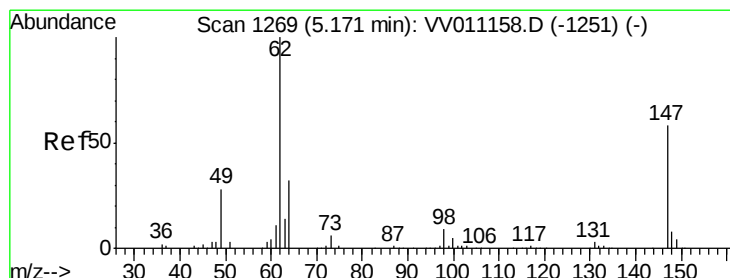
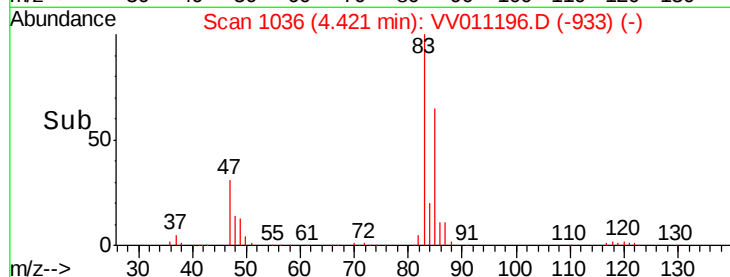
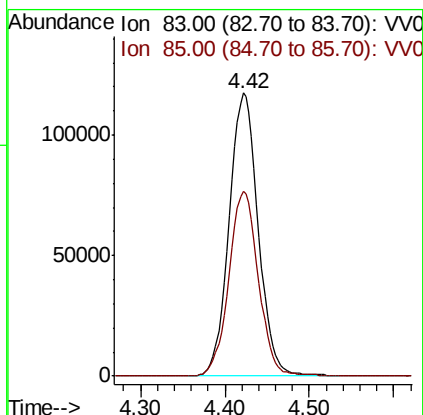
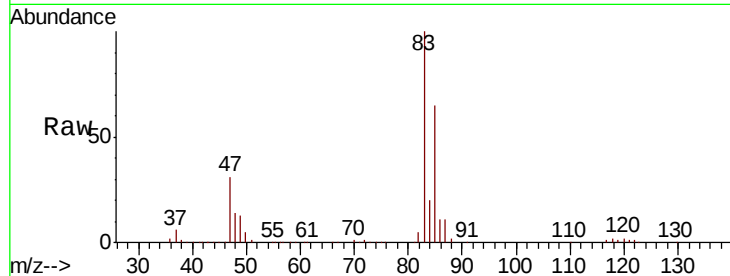




#25
Chloroform
Concen: 27.525 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011196.D
Acq: 03 Jun 2019 10:10

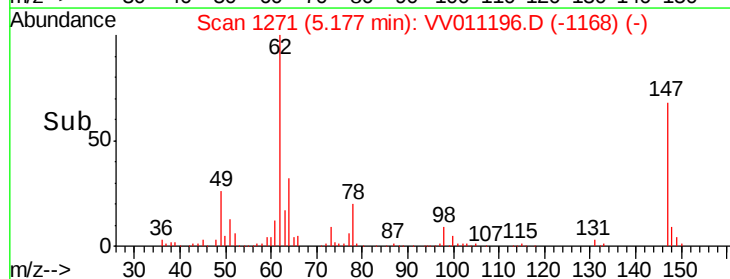
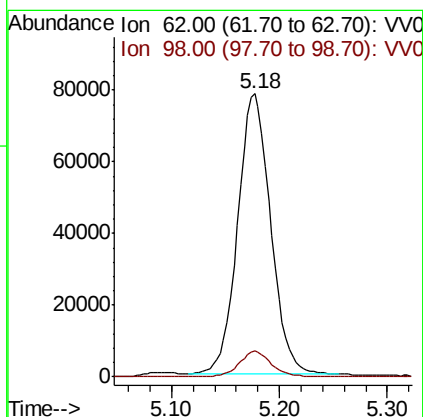
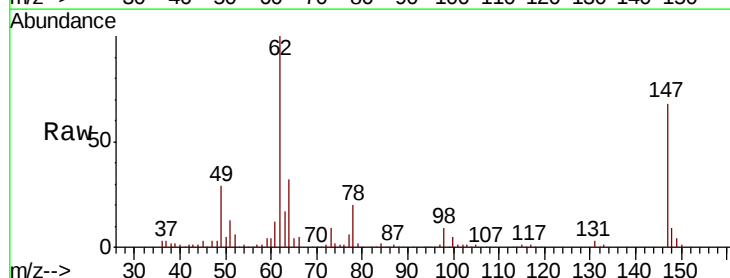
Instrument :
MSVOA_V
ClientSampleId :
BFB68

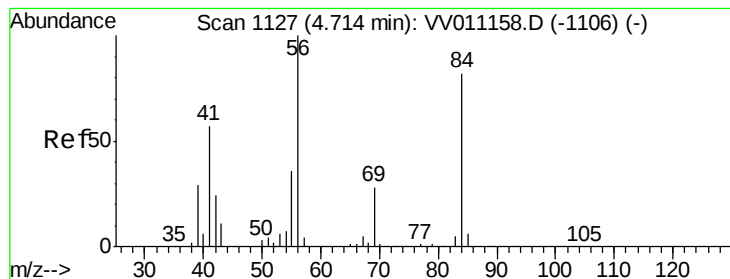
Tgt Ion: 83 Resp: 282230
Ion Ratio Lower Upper
83 100
85 66.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 23.158 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011196.D
Acq: 03 Jun 2019 10:10

Tgt Ion: 62 Resp: 166277
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.0





#30

Cyclohexane

Concen: 26.235 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

Instrument :

MSVOA_V

ClientSampleId :

BFB68

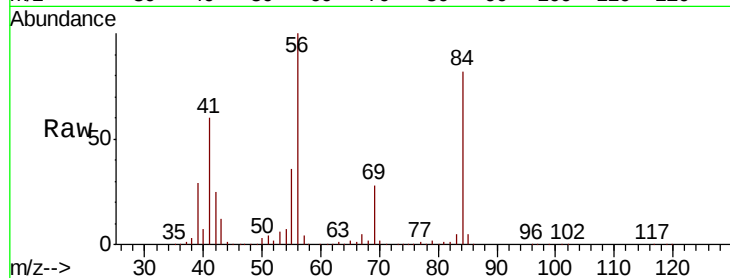
Tgt Ion: 56 Resp: 238394

Ion Ratio Lower Upper

56 100

69 29.0 23.4 35.0

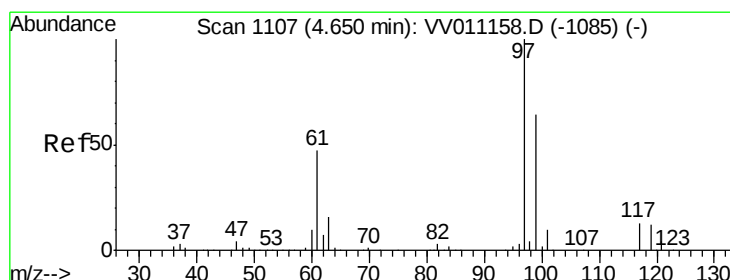
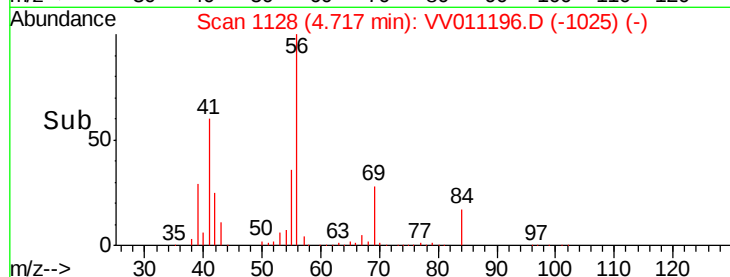
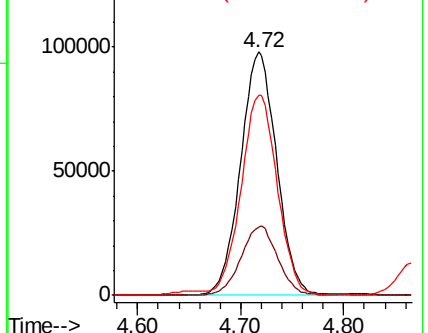
84 81.8 65.8 98.8



Abundance Ion 56.00 (55.70 to 56.70): VV011158.D (-1106) (-)

Ion 69.00 (68.70 to 69.70): VV011158.D (-1106) (-)

Ion 84.00 (83.70 to 84.70): VV011158.D (-1106) (-)



#31

1,1,1-Trichloroethane

Concen: 27.351 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

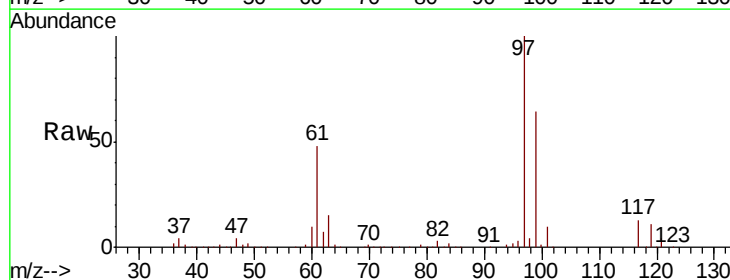
Tgt Ion: 97 Resp: 212845

Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

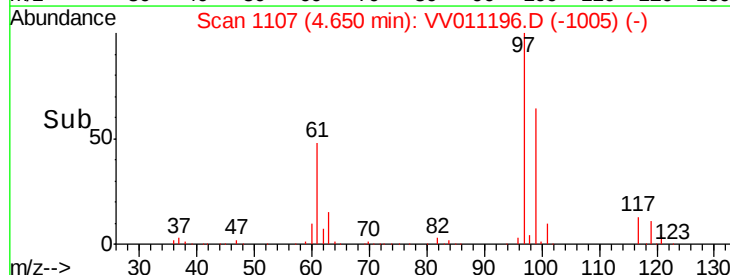
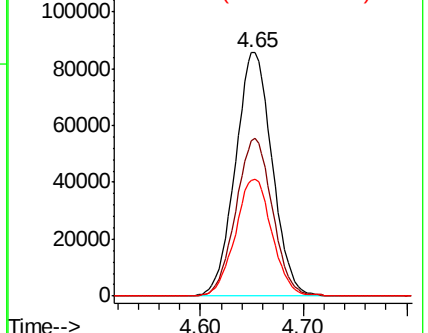
61 48.2 38.4 57.6

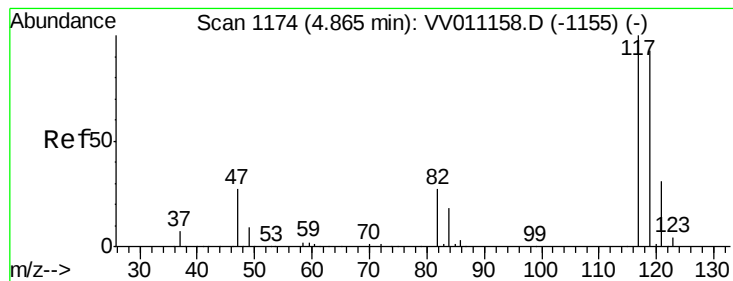


Abundance Ion 97.00 (96.70 to 97.70): VV011158.D (-1085) (-)

Ion 99.00 (98.70 to 99.70): VV011158.D (-1085) (-)

Ion 61.00 (60.70 to 61.70): VV011158.D (-1085) (-)





#32

Carbon tetrachloride

Concen: 27.803 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

Instrument :

MSVOA_V

ClientSampleId :

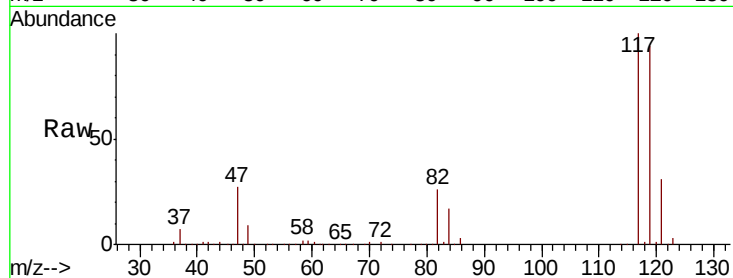
BFB68

Tgt Ion:117 Resp: 183426

Ion Ratio Lower Upper

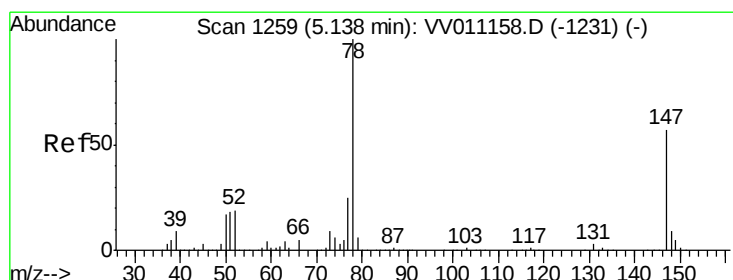
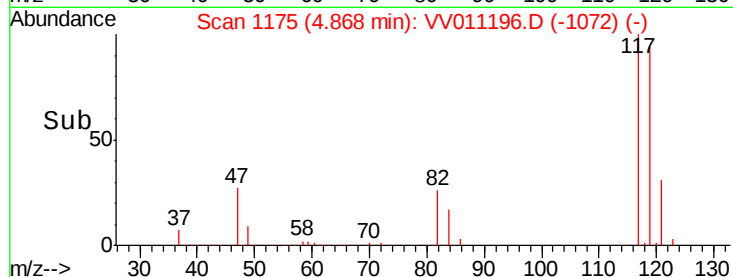
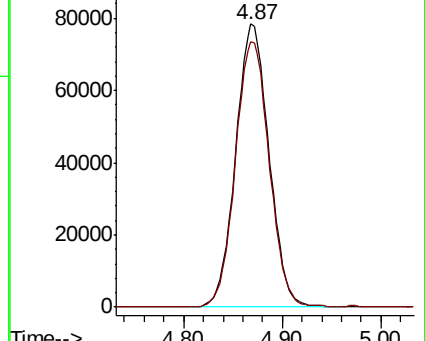
117 100

119 95.5 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.316 ug/L

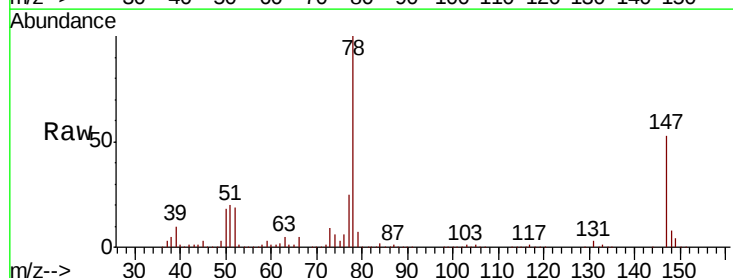
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

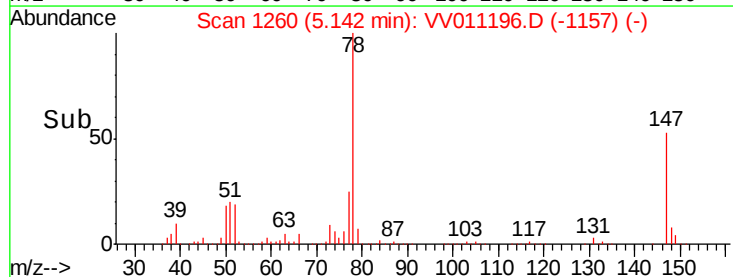
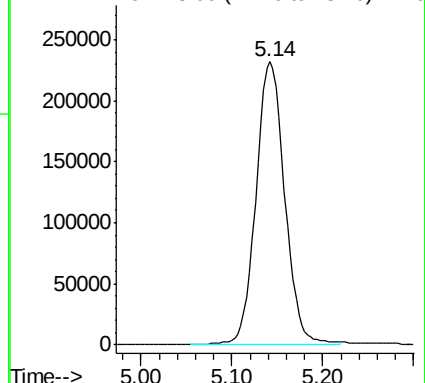
Lab File: VV011196.D

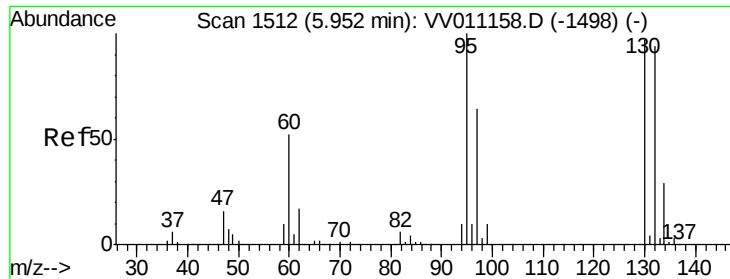
Acq: 03 Jun 2019 10:10

Tgt Ion: 78 Resp: 509959



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 26.671 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

Instrument :

MSVOA_V

ClientSampleId :

BFB68

Tgt Ion: 95 Resp: 140873

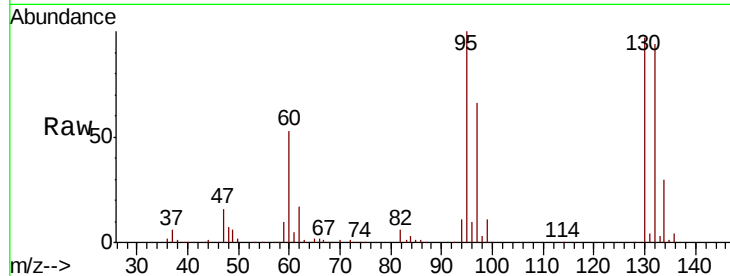
Ion Ratio Lower Upper

95 100

97 64.7 44.4 82.5

132 92.6 66.0 122.6

130 95.4 67.4 125.2

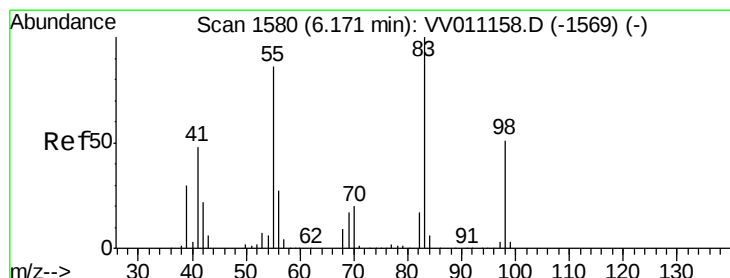
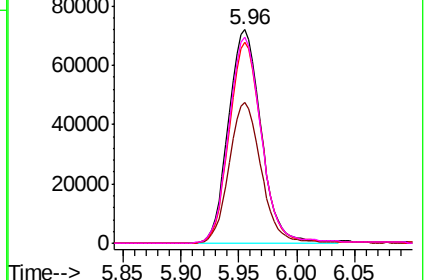
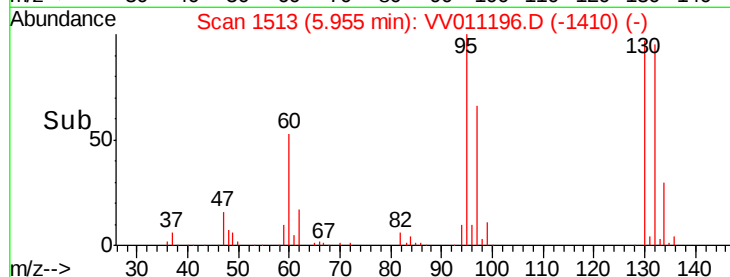


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 26.454 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

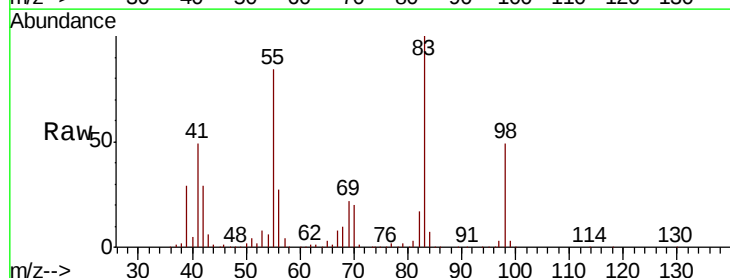
Tgt Ion: 83 Resp: 236451

Ion Ratio Lower Upper

83 100

55 82.7 66.4 99.6

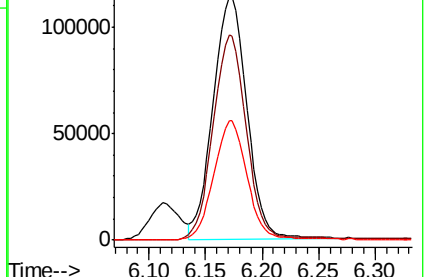
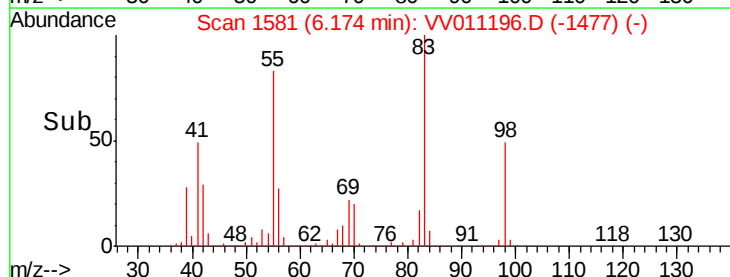
98 48.0 37.9 56.9

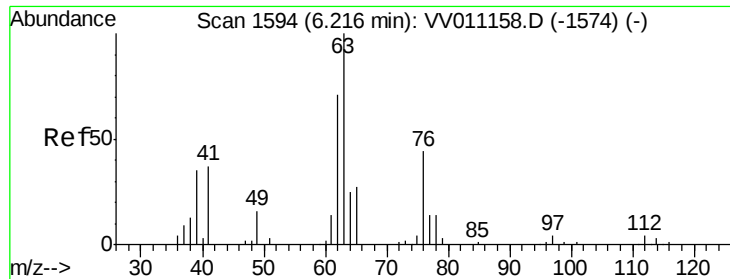


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

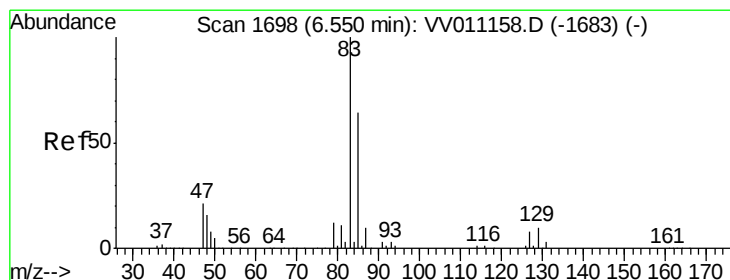
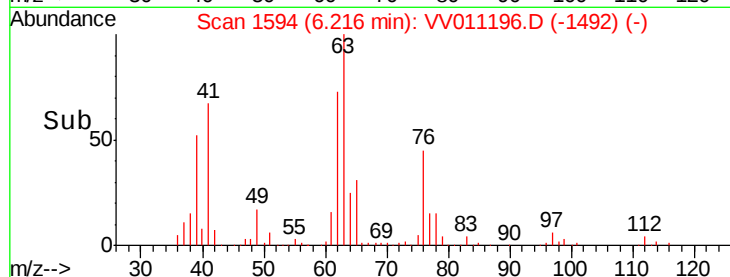
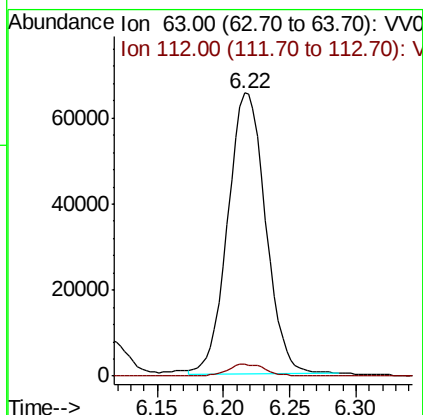
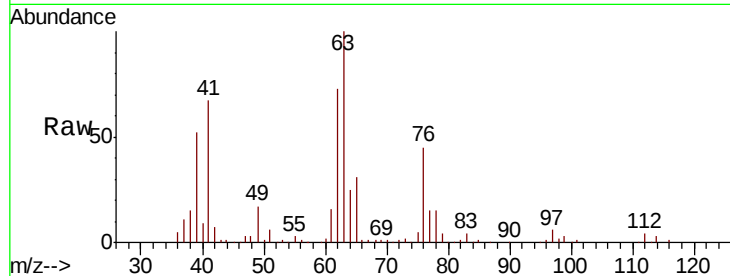




#40
 1,2-Dichloropropane
 Concen: 24.403 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

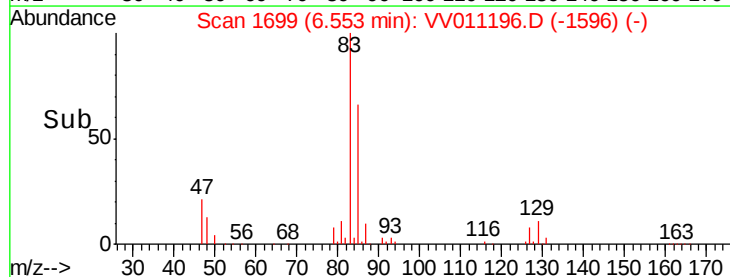
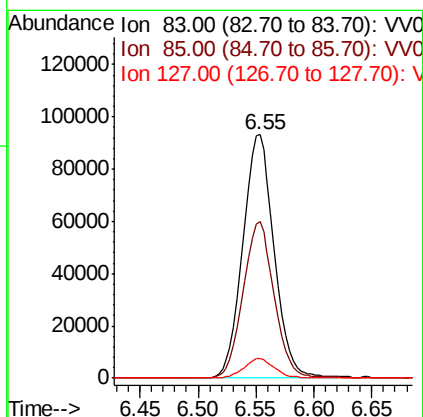
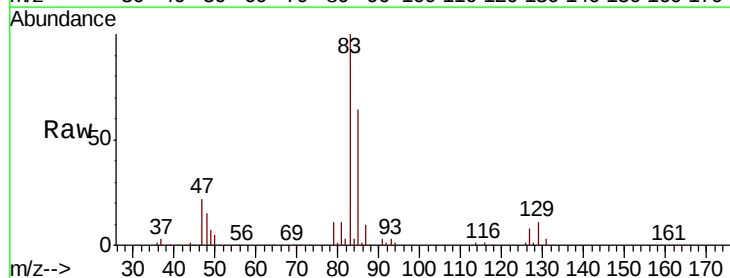
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB68

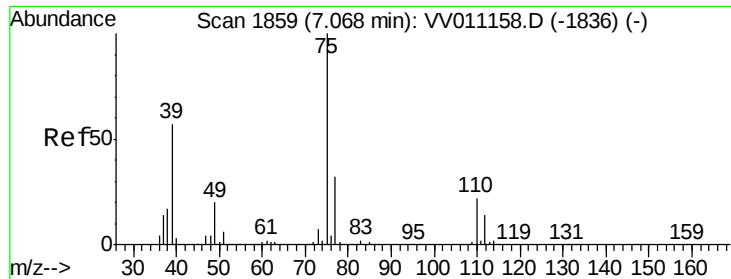
Tgt Ion: 63 Resp: 129216
 Ion Ratio Lower Upper
 63 100
 112 2.8 3.6 5.4#



#41
 Bromodichloromethane
 Concen: 25.409 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

Tgt Ion: 83 Resp: 175245
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.1 81.9
 127 8.3 6.3 9.5

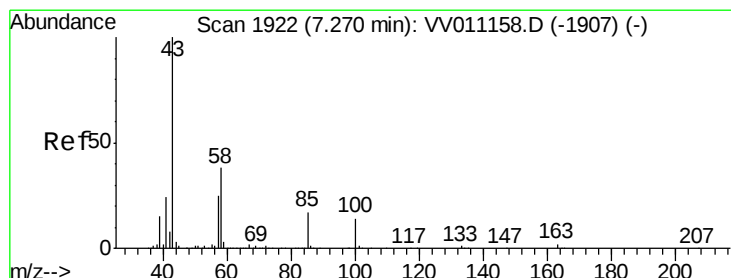
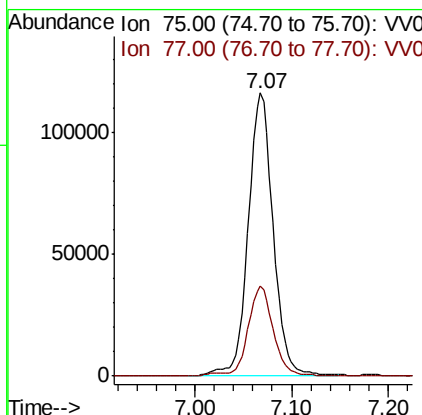
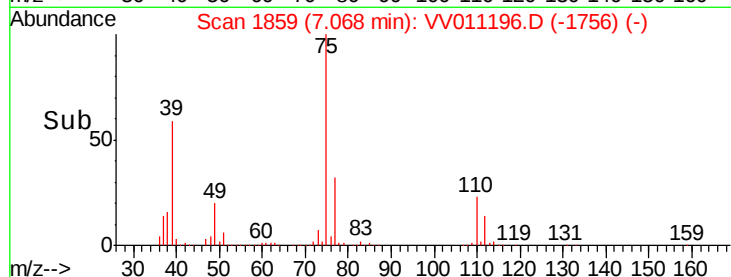
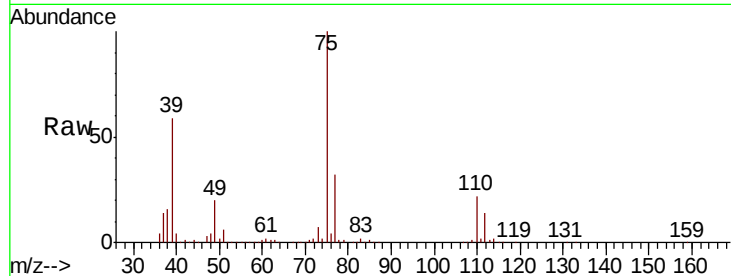




#42
 cis-1,3-Dichloropropene
 Concen: 24.865 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

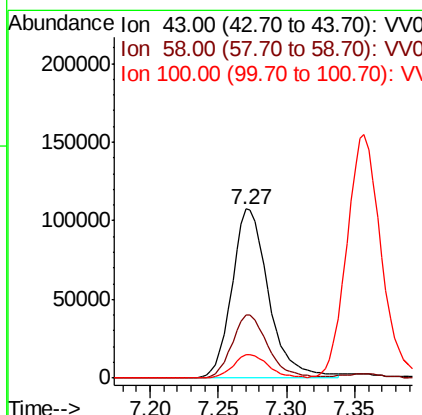
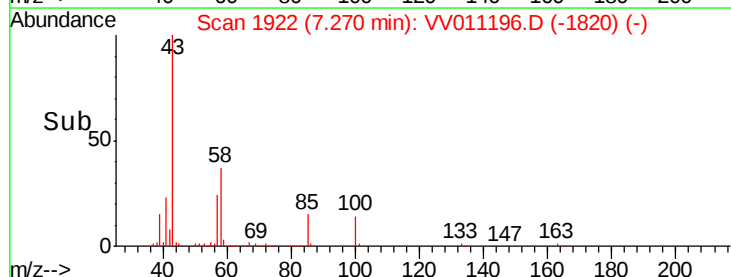
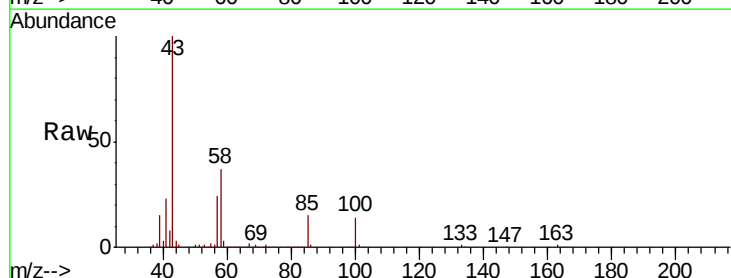
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB68

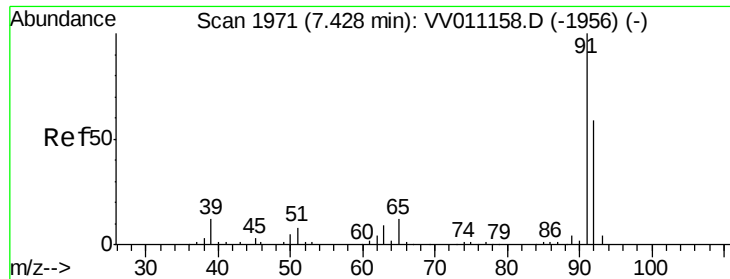
Tgt Ion: 75 Resp: 209324
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.3 39.6



#43
 4-Methyl-2-pentanone
 Concen: 41.580 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

Tgt Ion: 43 Resp: 200016
 Ion Ratio Lower Upper
 43 100
 58 37.0 30.2 45.4
 100 13.7 11.3 16.9





#44

Toluene

Concen: 25.510 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

Instrument :

MSVOA_V

ClientSampleId :

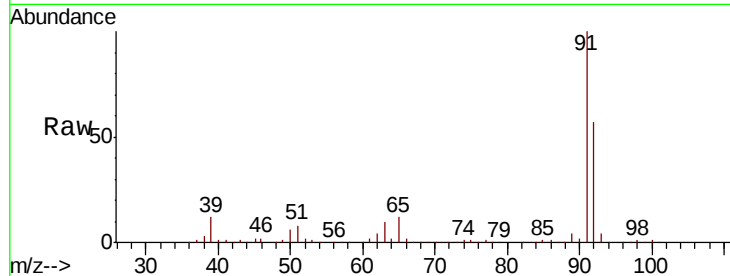
BFB68

Tgt Ion: 91 Resp: 560916

Ion Ratio Lower Upper

91 100

92 57.3 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

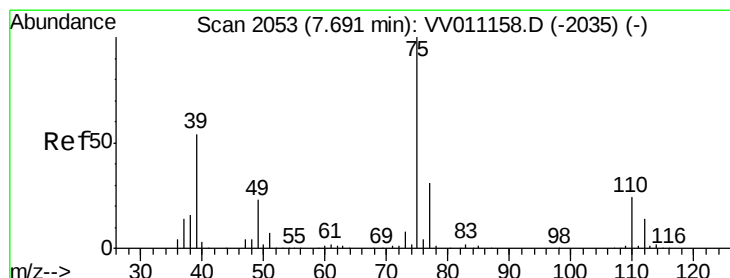
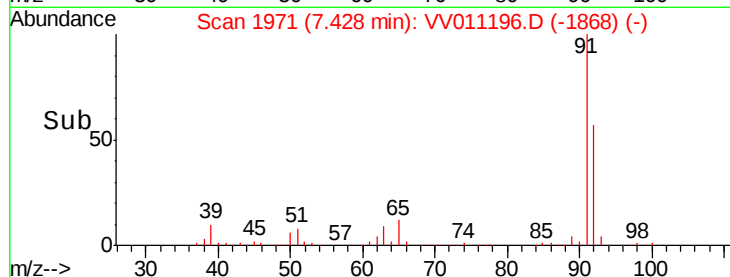
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.161 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011196.D

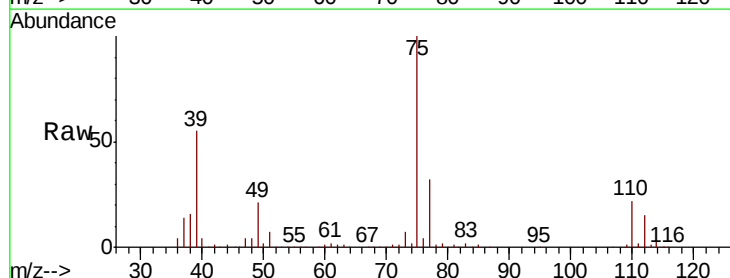
Acq: 03 Jun 2019 10:10

Tgt Ion: 75 Resp: 173604

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

120000

100000

80000

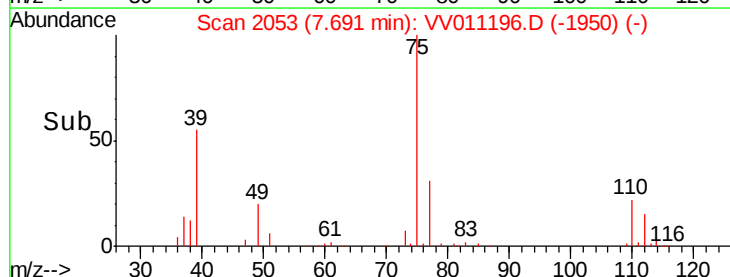
60000

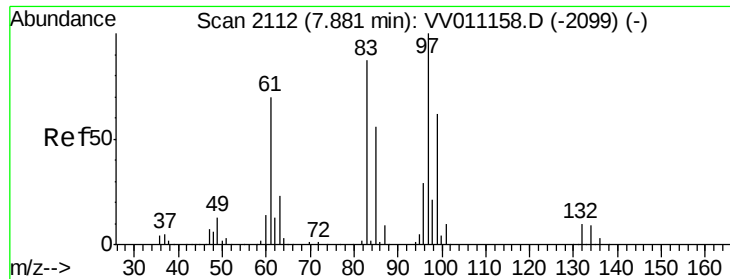
40000

20000

0

Time-->

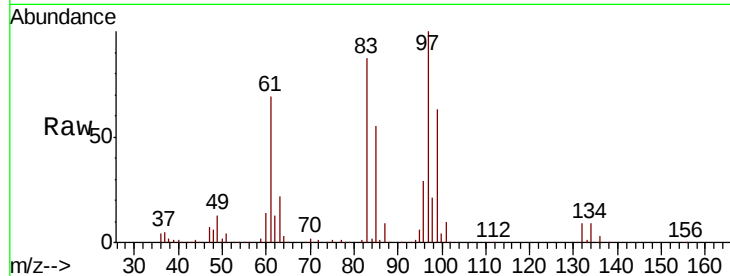




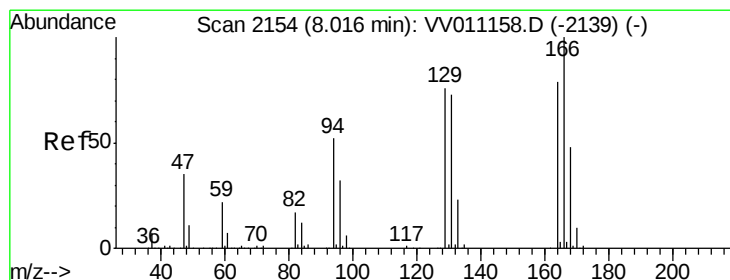
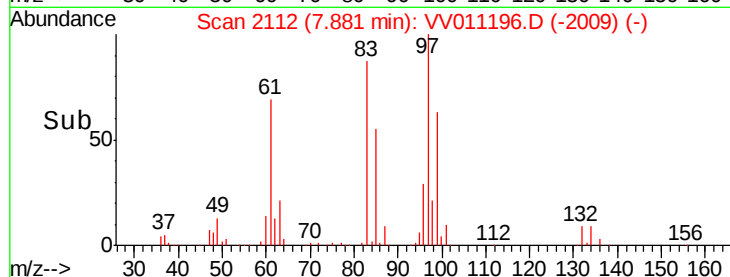
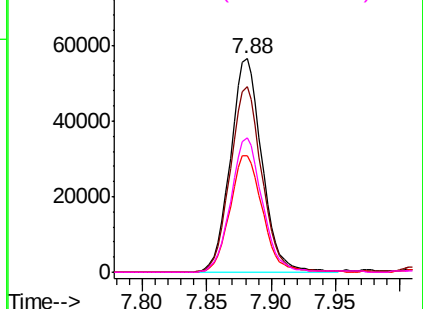
#46
 1,1,2-Trichloroethane
 Concen: 23.326 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB68

Tgt Ion: 97 Resp: 96340
 Ion Ratio Lower Upper
 97 100
 83 86.7 61.9 115.1
 85 54.8 38.6 71.8
 99 63.2 44.7 82.9

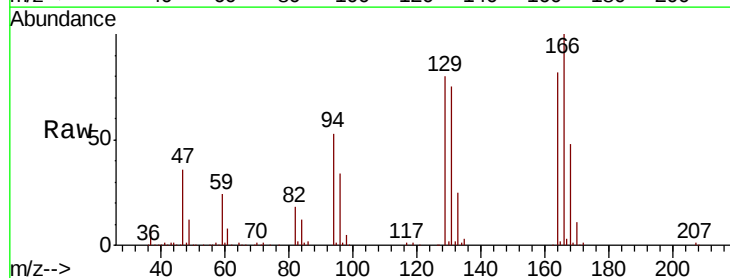


Abundance Ion 97.00 (96.70 to 97.70): VV011196.D (-2091) (-)
 Ion 83.00 (82.70 to 83.70): VV011196.D (-2091) (-)
 Ion 85.00 (84.70 to 85.70): VV011196.D (-2091) (-)
 Ion 99.00 (98.70 to 99.70): VV011196.D (-2091) (-)

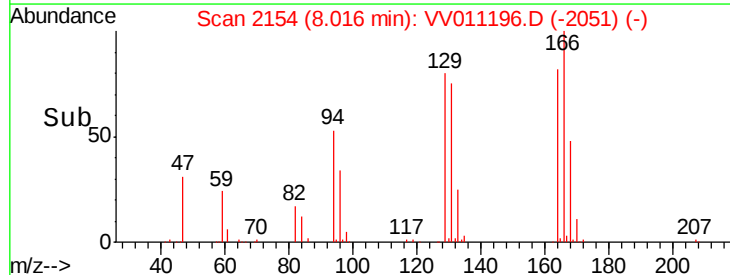
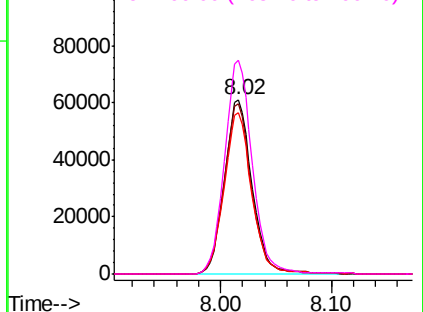


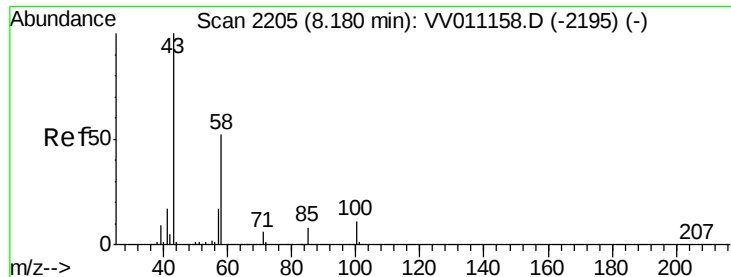
#47
 Tetrachloroethene
 Concen: 27.009 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

Tgt Ion: 164 Resp: 105718
 Ion Ratio Lower Upper
 164 100
 129 97.7 69.1 128.3
 131 92.5 65.5 121.6
 166 122.6 93.2 173.0



Abundance Ion 164.00 (163.70 to 164.70): VV011196.D (-2051) (-)
 Ion 129.00 (128.70 to 129.70): VV011196.D (-2051) (-)
 Ion 131.00 (130.70 to 131.70): VV011196.D (-2051) (-)
 Ion 166.00 (165.70 to 166.70): VV011196.D (-2051) (-)

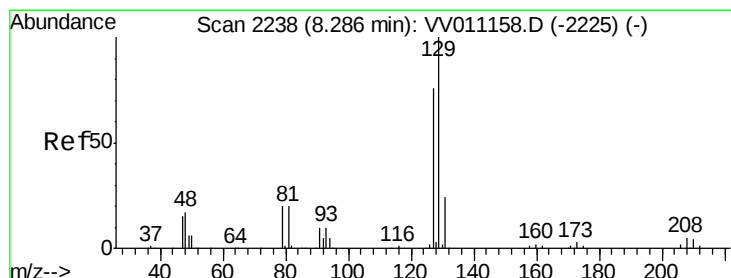
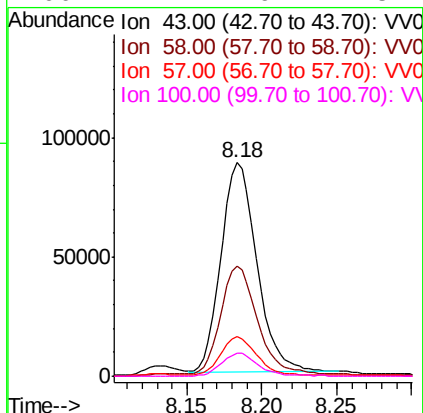
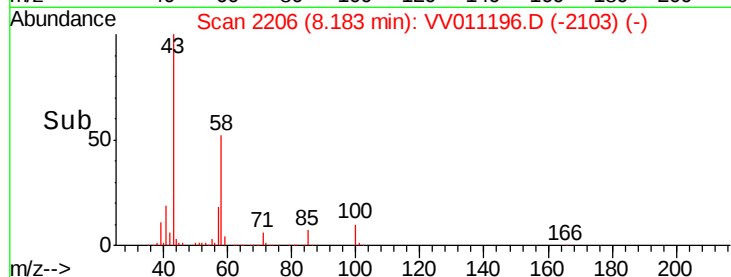
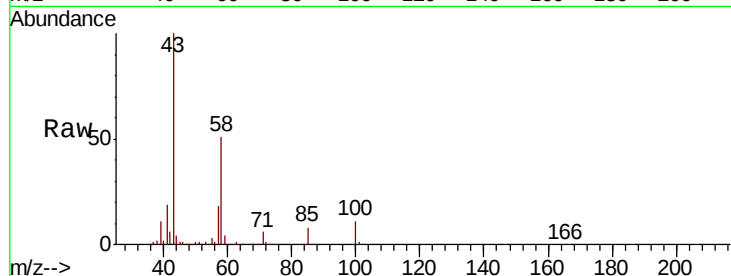




#49
2-Hexanone
Concen: 42.647 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV011196.D
Acq: 03 Jun 2019 10:10

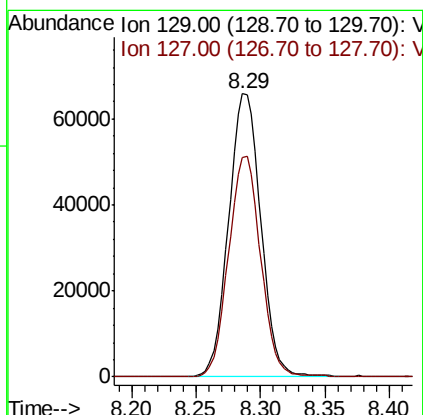
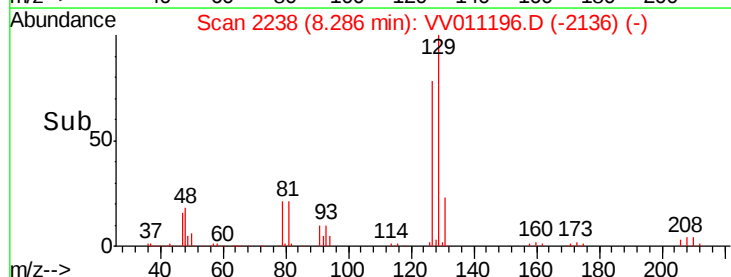
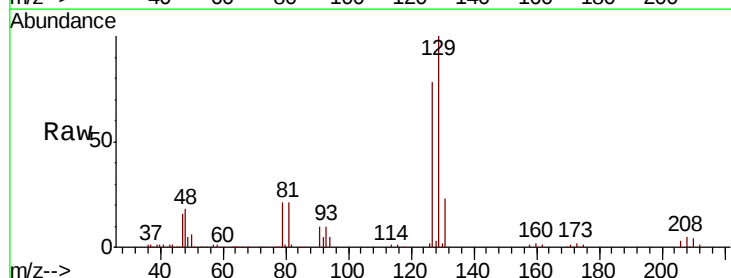
Instrument :
MSVOA_V
ClientSampled :
BFB68

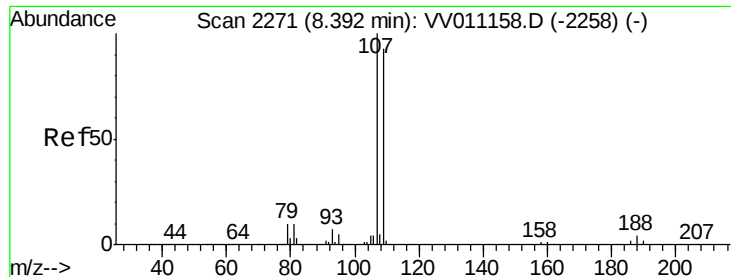
Tgt Ion: 43 Resp: 147810
Ion Ratio Lower Upper
43 100
58 54.7 41.2 61.8
57 18.1 14.3 21.5
100 11.2 9.1 13.7



#50
Dibromochloromethane
Concen: 24.508 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV011196.D
Acq: 03 Jun 2019 10:10

Tgt Ion: 129 Resp: 114391
Ion Ratio Lower Upper
129 100
127 77.6 53.8 99.8





#51

1,2-Dibromoethane

Concen: 23.152 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

Instrument :

MSVOA_V

ClientSampleId :

BFB68

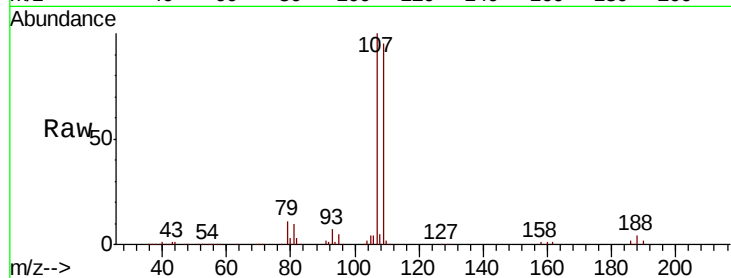
Tgt Ion:107 Resp: 92744

Ion Ratio Lower Upper

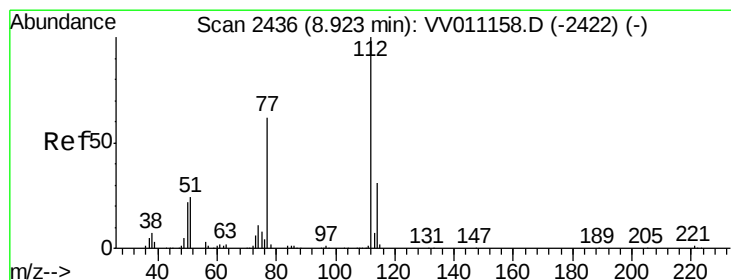
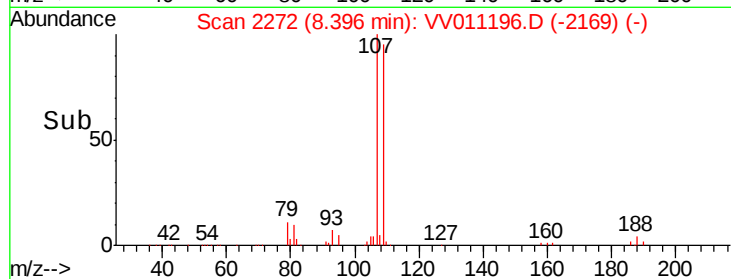
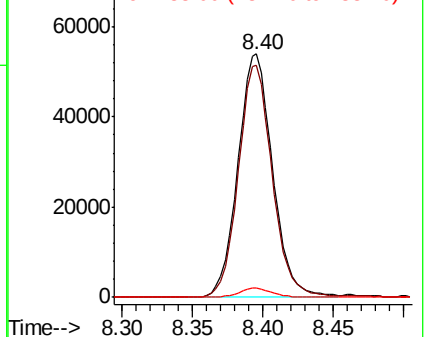
107 100

109 95.4 65.5 121.7

188 4.0 2.6 3.8#



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: 24.948 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

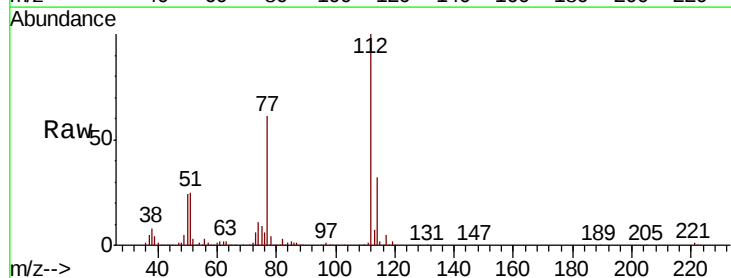
Tgt Ion:112 Resp: 351150

Ion Ratio Lower Upper

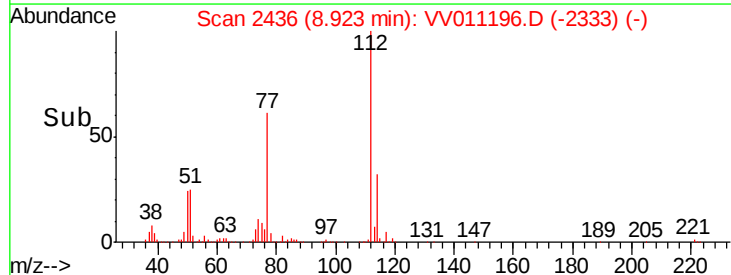
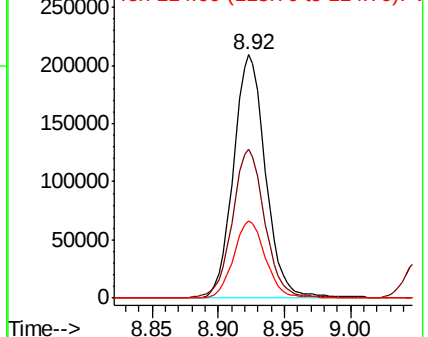
112 100

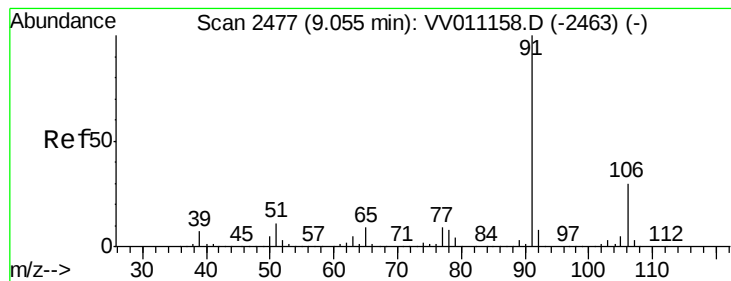
77 61.2 50.8 76.2

114 31.8 22.6 42.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): VV0
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.950 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

Instrument :

MSVOA_V

ClientSampleId :

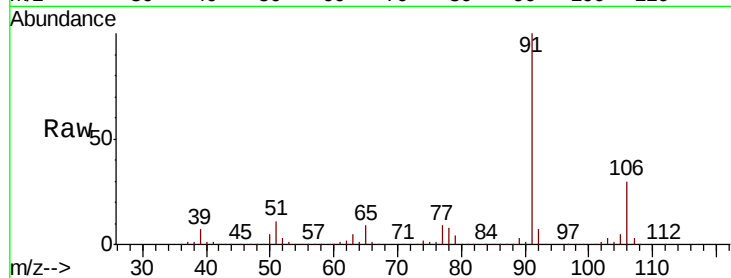
BFB68

Tgt Ion: 91 Resp: 654712

Ion Ratio Lower Upper

91 100

106 29.6 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VV011158.D (-2463) (-)

Ion 106.00 (105.70 to 106.70): VV011158.D (-2463) (-)

9.05

400000

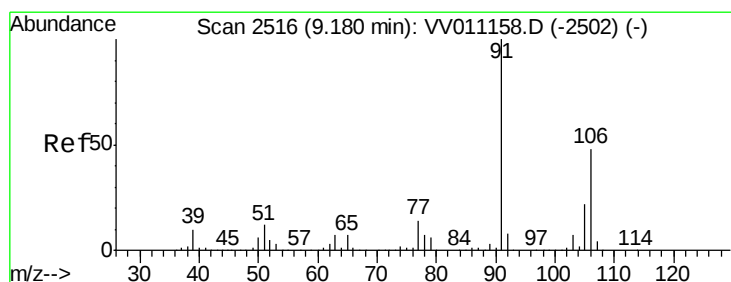
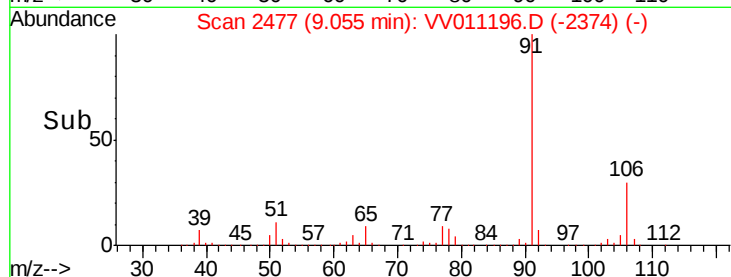
300000

200000

100000

0

Time-->



#54

m,p-Xylene

Concen: 25.906 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011196.D

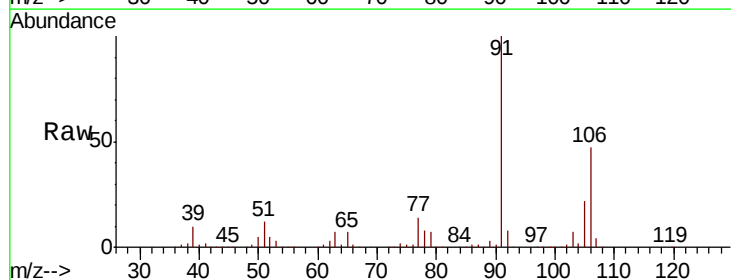
Acq: 03 Jun 2019 10:10

Tgt Ion: 106 Resp: 243115

Ion Ratio Lower Upper

106 100

91 211.2 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VV011158.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV011158.D (-2502) (-)

9.18

400000

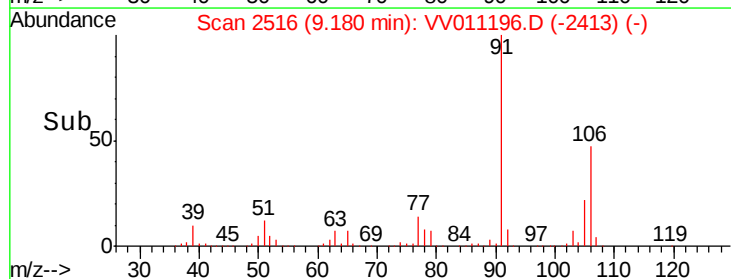
300000

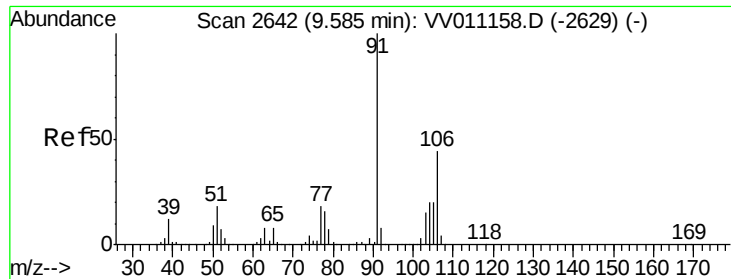
200000

100000

0

Time-->

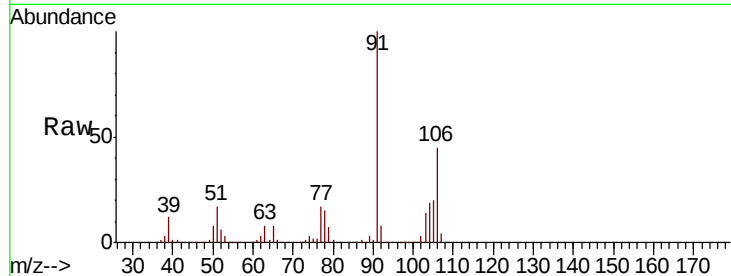




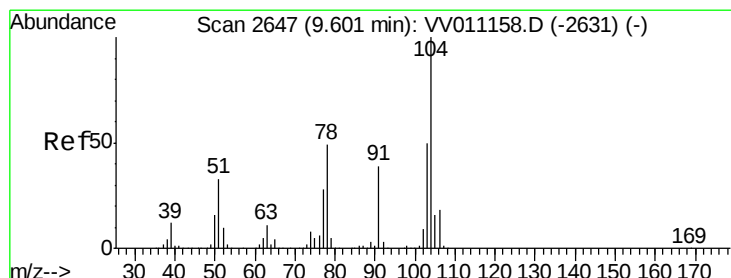
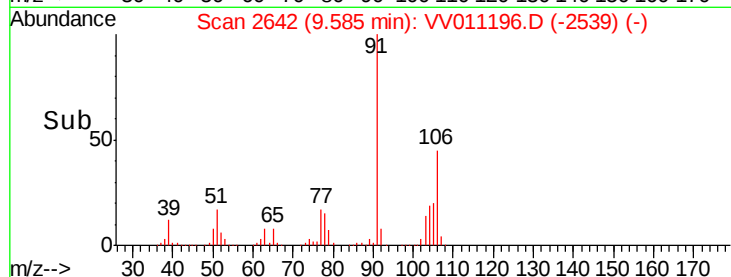
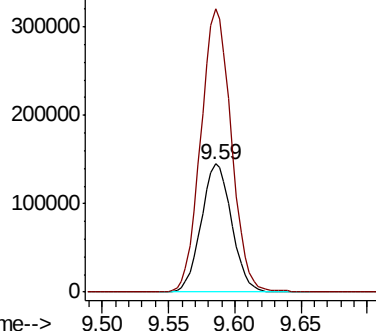
#55
o-xylene
Concen: 25.168 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV011196.D
Acq: 03 Jun 2019 10:10

Instrument :
MSVOA_V
ClientSampleId :
BFB68

Tgt Ion:106 Resp: 232289
Ion Ratio Lower Upper
106 100
91 221.0 156.4 290.6

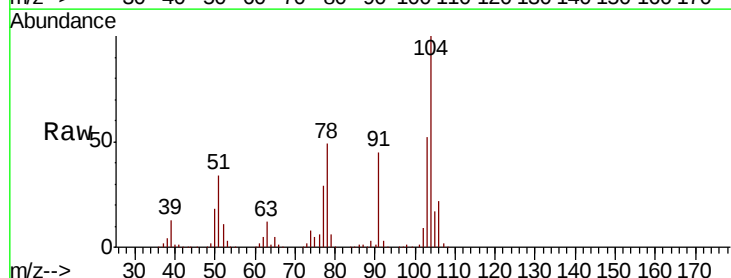


Abundance Ion 106.00 (105.70 to 106.70): VV011158.D (-2629) (-)
Ion 91.00 (90.70 to 91.70): VV011158.D (-2629) (-)

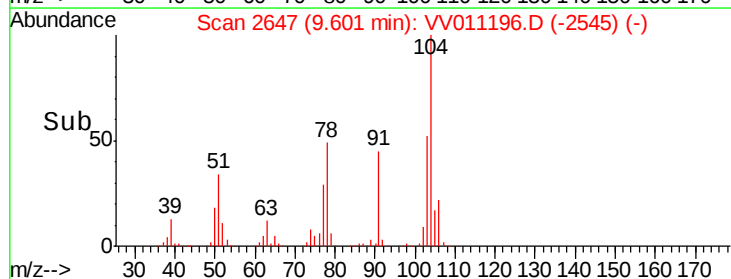
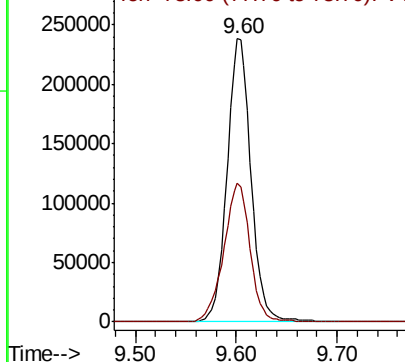


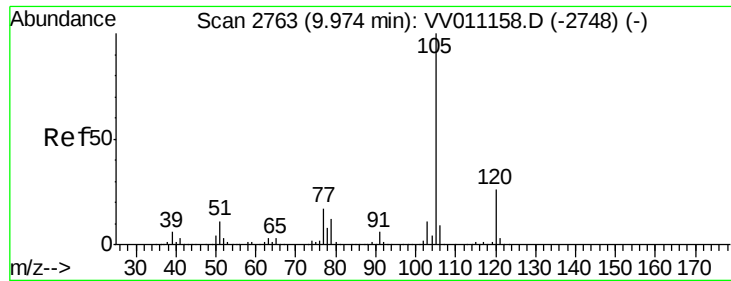
#56
Styrene
Concen: 25.445 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV011196.D
Acq: 03 Jun 2019 10:10

Tgt Ion:104 Resp: 394482
Ion Ratio Lower Upper
104 100
78 48.8 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): VV011158.D (-2631) (-)
Ion 78.00 (77.70 to 78.70): VV011158.D (-2631) (-)





#57

Isopropylbenzene

Concen: 26.029 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

Instrument :

MSVOA_V

ClientSampled :

BFB68

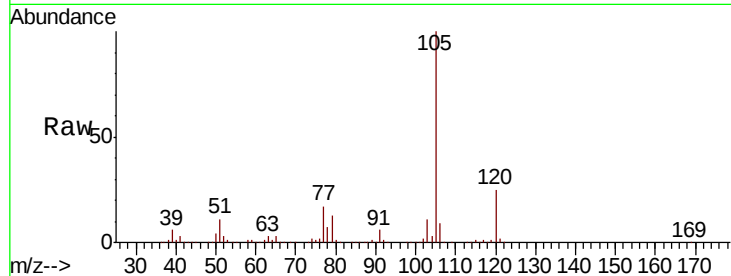
Tgt Ion: 105 Resp: 641475

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

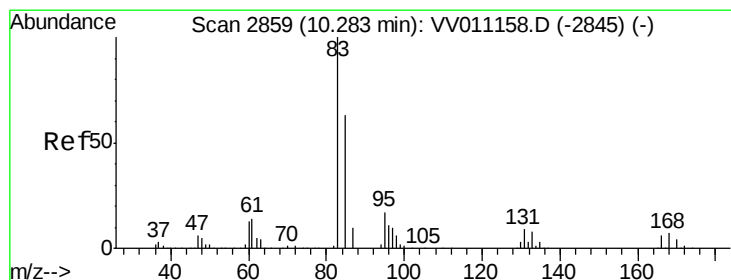
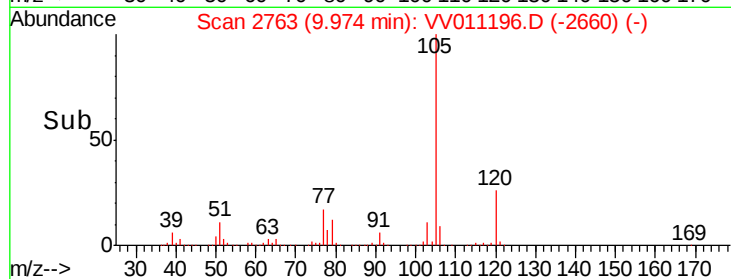
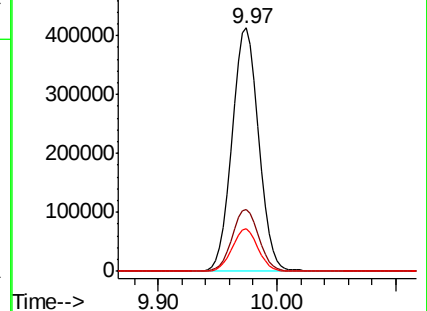
77 17.1 13.3 19.9



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: 21.326 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

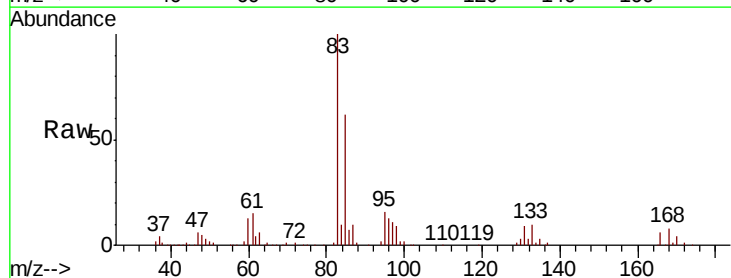
Tgt Ion: 83 Resp: 119691

Ion Ratio Lower Upper

83 100

85 62.3 44.4 82.4

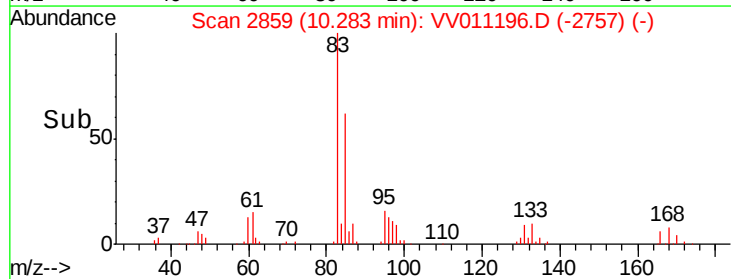
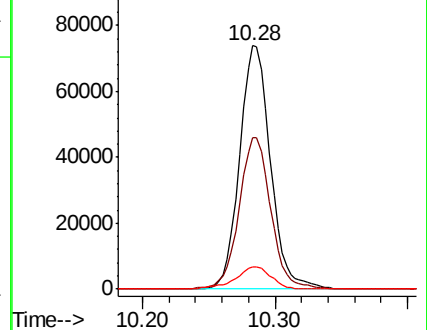
131 9.3 7.5 11.3

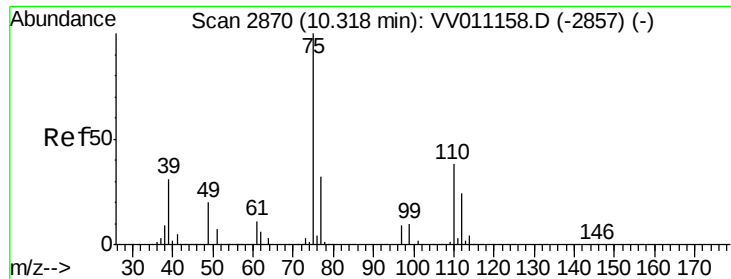


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

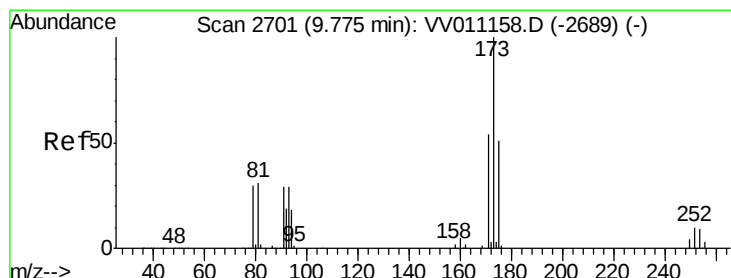
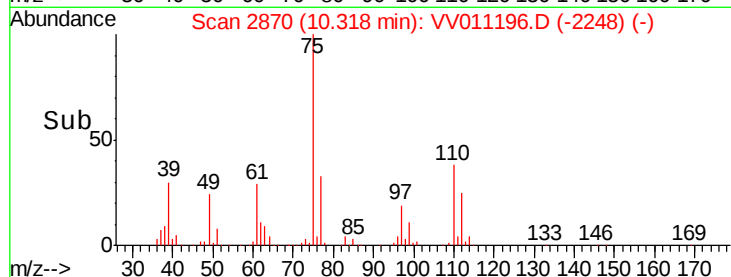
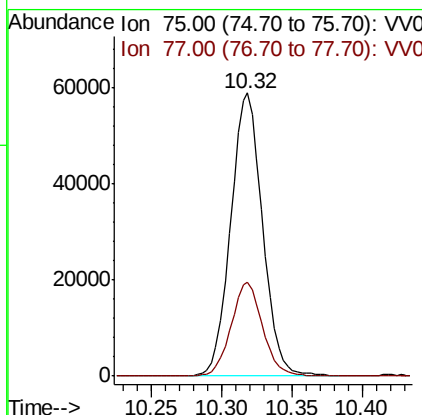
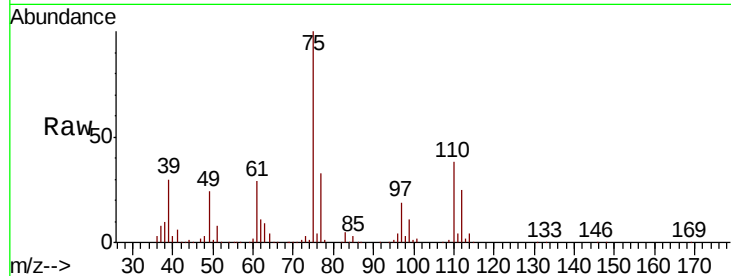




#59
 1,2,3-Trichloropropane
 Concen: 21.895 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

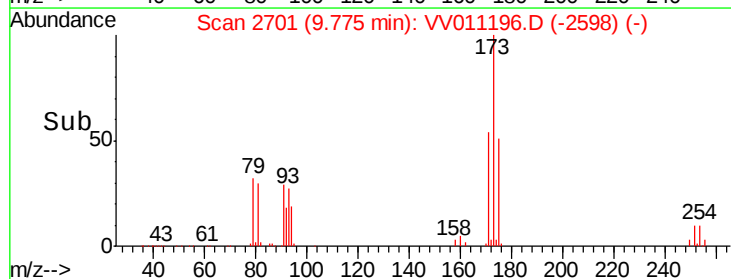
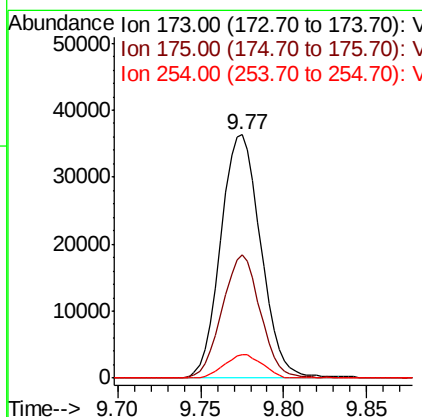
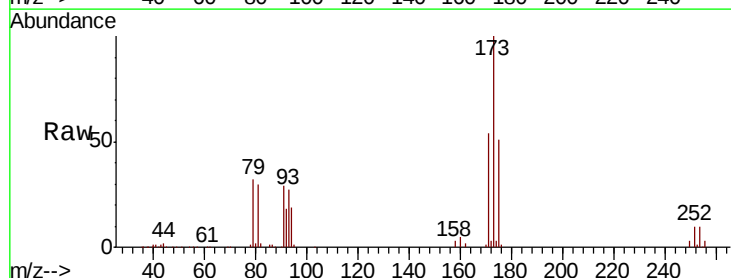
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB68

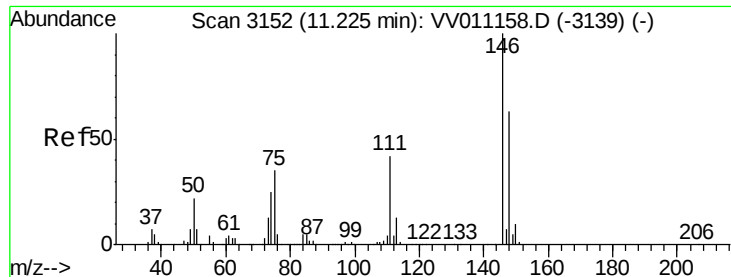
Tgt Ion: 75 Resp: 92920
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.7 38.5



#62
 Bromoform
 Concen: 23.659 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

Tgt Ion: 173 Resp: 61087
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.1 57.1
 254 9.2 6.9 10.3

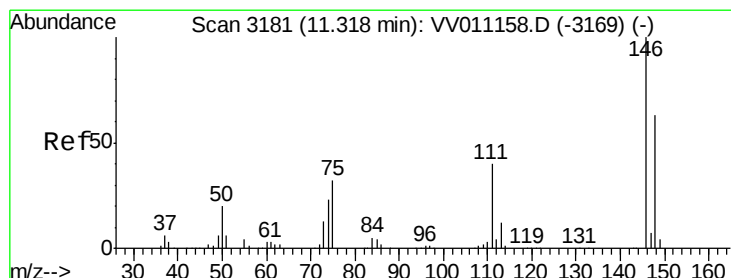
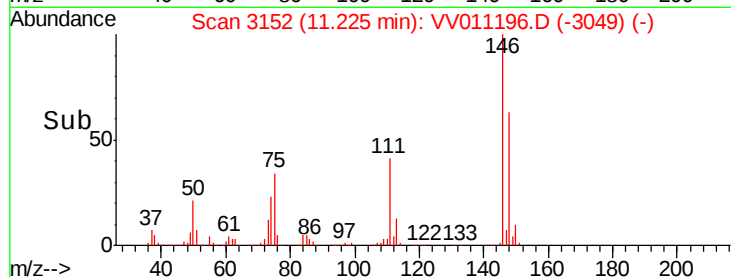
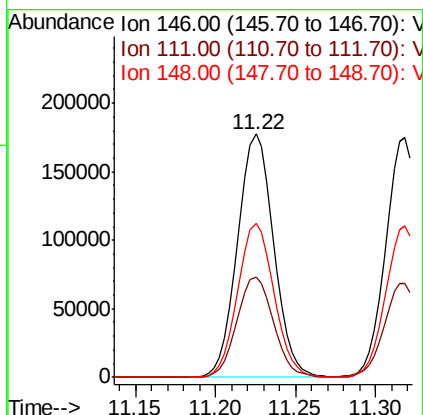
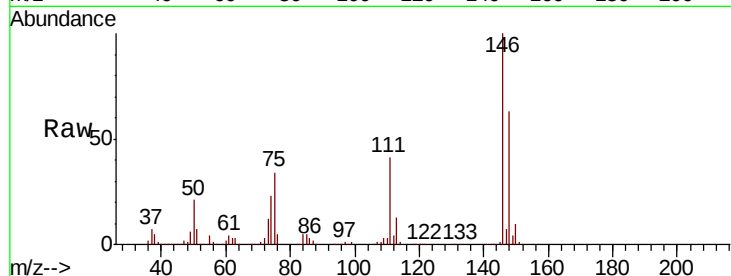




#63
 1,3-Dichlorobenzene
 Concen: 25.471 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

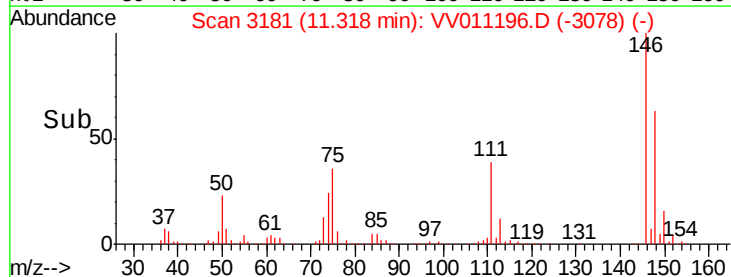
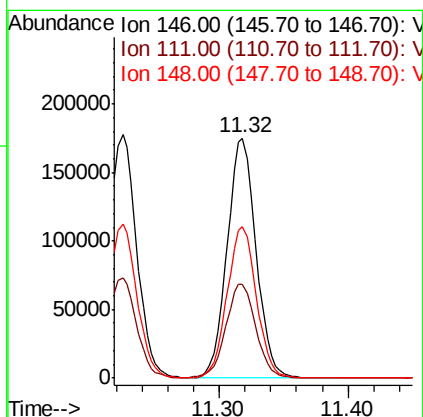
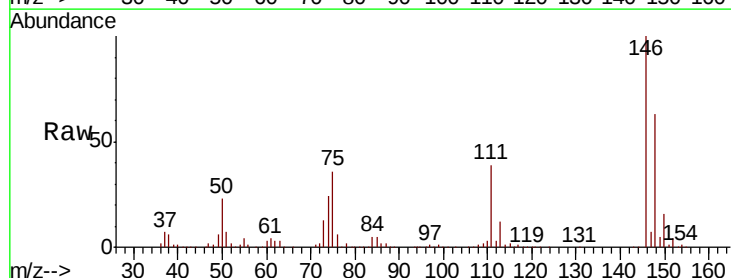
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB68

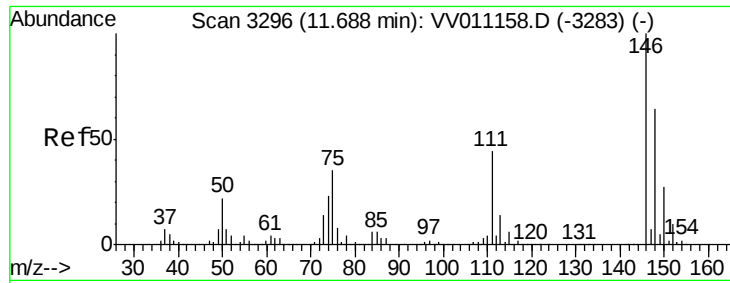
Tgt Ion:146 Resp: 273262
 Ion Ratio Lower Upper
 146 100
 111 41.1 29.9 55.5
 148 63.3 45.4 84.2



#64
 1,4-Dichlorobenzene
 Concen: 24.932 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

Tgt Ion:146 Resp: 271433
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.4 51.0
 148 63.1 43.7 81.1

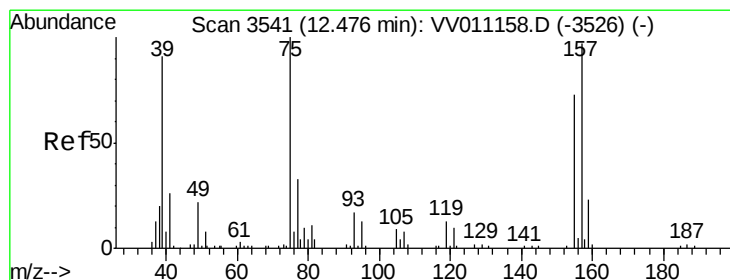
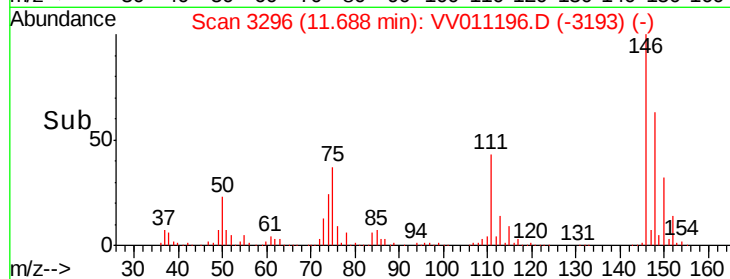
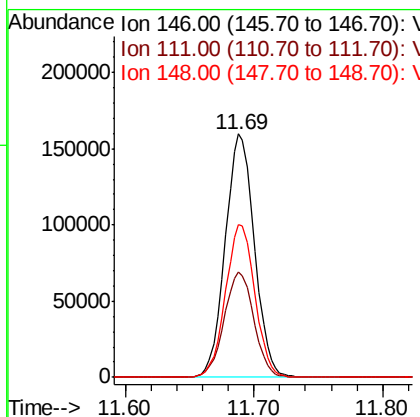
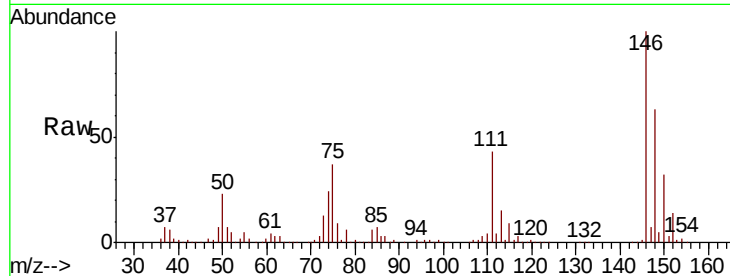




#65
 1,2-Dichlorobenzene
 Concen: 24.613 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

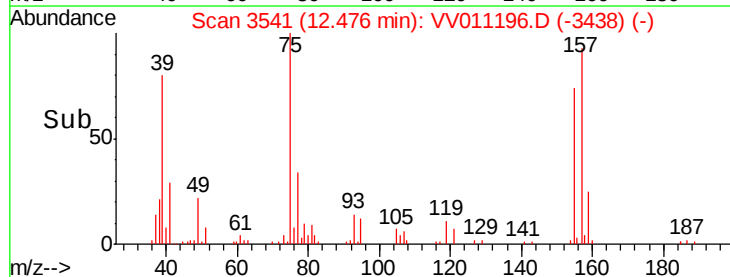
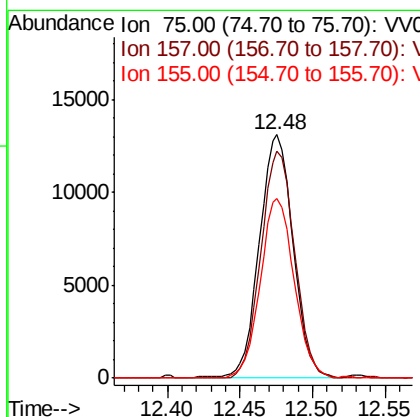
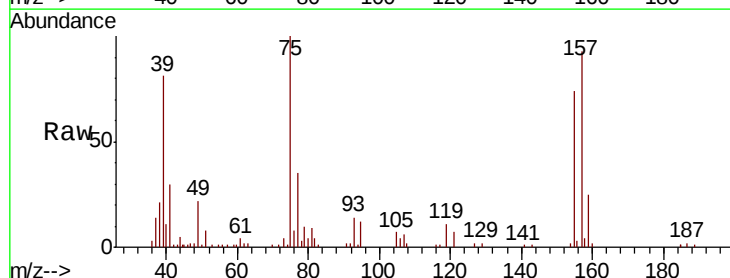
Instrument :
 MSVOA_V
 ClientSampled :
 BFB68

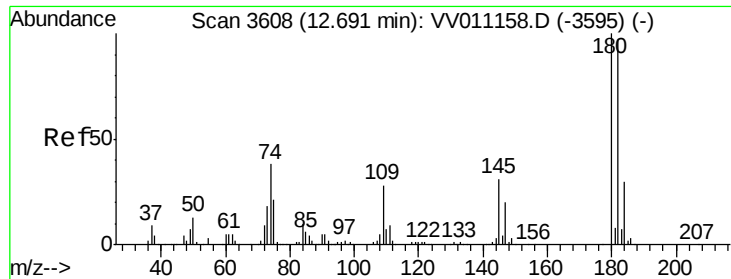
Tgt Ion: 146 Resp: 250011
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.8 52.2
 148 62.7 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.642 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

Tgt Ion: 75 Resp: 21329
 Ion Ratio Lower Upper
 75 100
 157 93.2 79.6 119.4
 155 73.9 62.4 93.6

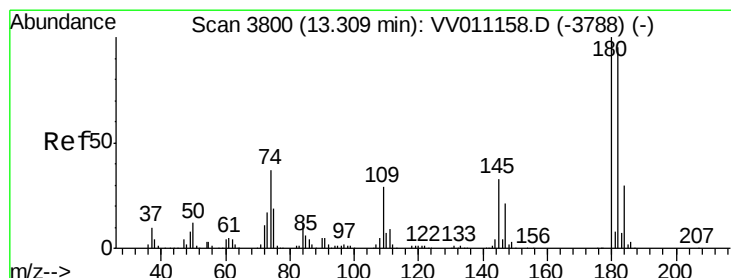
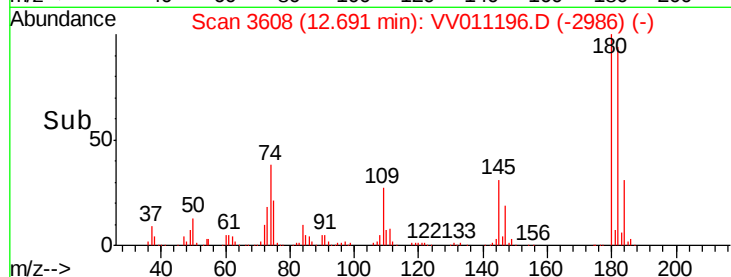
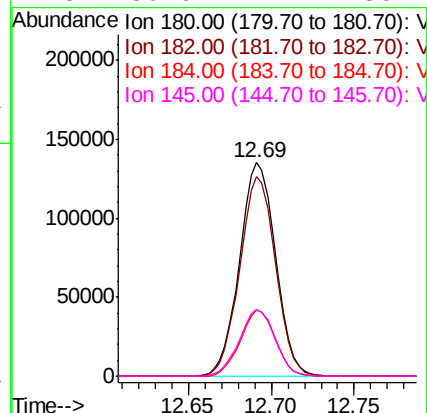
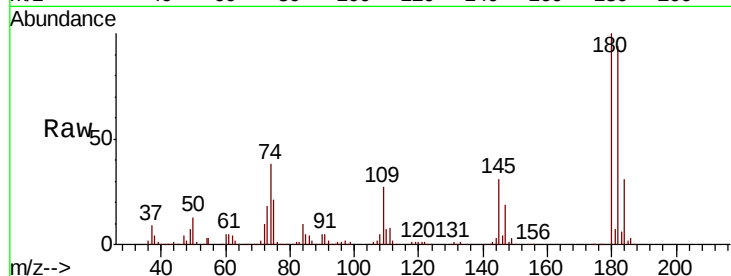




#67
 1,3,5-Trichlorobenzene
 Concen: 25.488 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

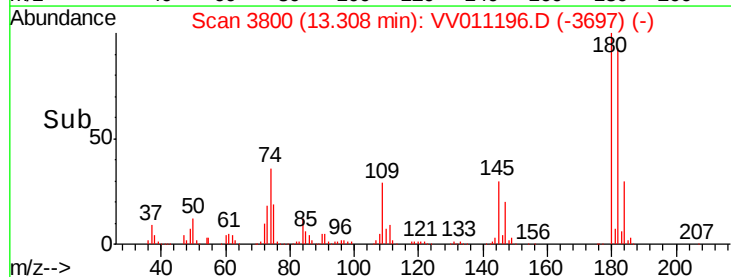
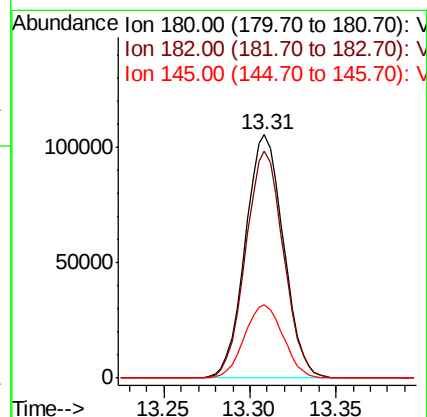
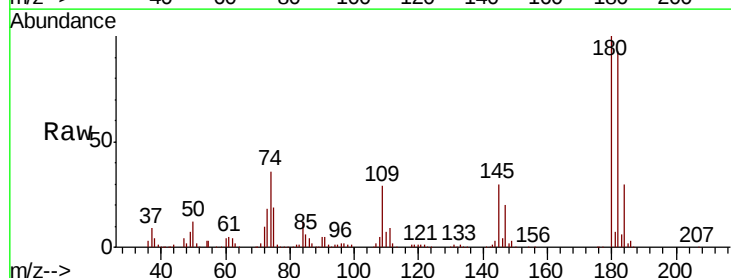
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB68

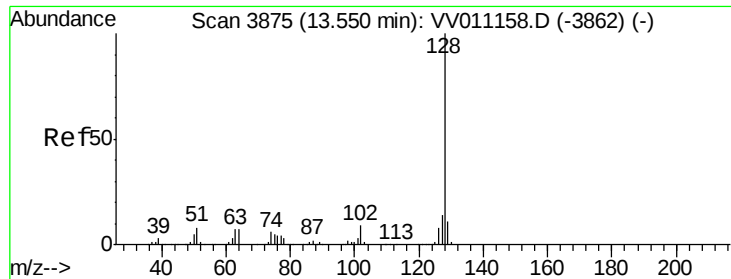
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	75.3	112.9
184	30.2	24.3	36.5
145	30.9	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 25.319 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011196.D
 Acq: 03 Jun 2019 10:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	75.4	113.0
145	30.9	25.7	38.5





#69

Naphthalene

Concen: 23.171 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

Instrument :

MSVOA_V

ClientSampled :

BFB68

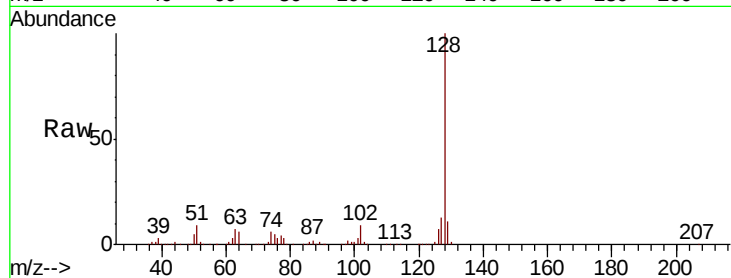
Tgt Ion:128 Resp: 306539

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

127 13.2 10.6 16.0

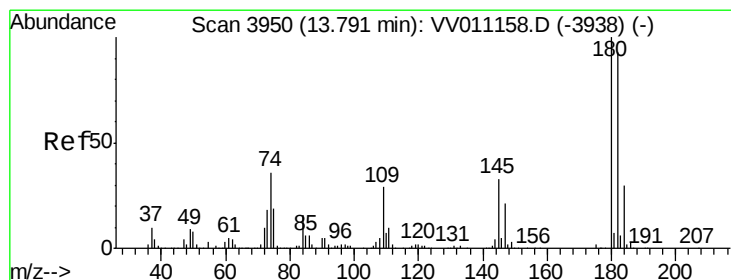
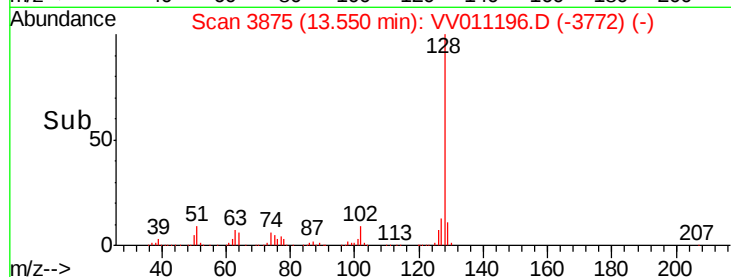
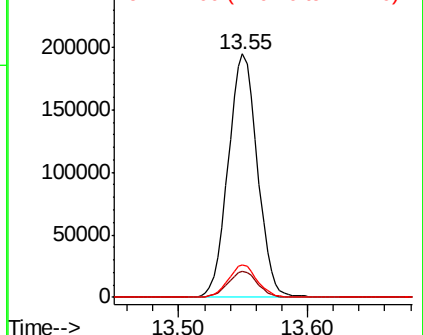


Abundance

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: 24.469 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV011196.D

Acq: 03 Jun 2019 10:10

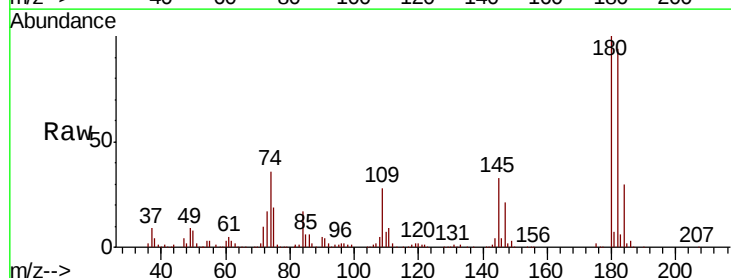
Tgt Ion:180 Resp: 146040

Ion Ratio Lower Upper

180 100

182 95.1 77.4 116.0

145 33.2 27.5 41.3



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

