

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010819\
 Data File : VV009196.D
 Acq On : 08 Jan 2019 15:51
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00 G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

Quant Time: Jan 09 00:33:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 09 00:23:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	263881	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	242073	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	123400	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69225	28.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.56%
7) Chloroethane-d5	1.58	69	63454	30.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	121.04%
10) 1,1-Dichloroethene-d2	2.13	63	180735	27.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	109.52%
20) 2-Butanone-d5	3.96	46	52247	49.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.80%
24) Chloroform-d	4.40	84	162453	26.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.84%
26) 1,2-Dichloroethane-d4	5.08	65	88986	26.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.56%
29) Benzene-d6	5.10	84	329956	27.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.72%
33) 1,2-Dichloropropane-d6	6.12	67	94165	27.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.40%
37) Toluene-d8	7.36	98	308682	26.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.52%
38) trans-1,3-Dichloropropene-	7.66	79	45852	26.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.40%
39) 2-Hexanone-d5	8.14	63	34064	53.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.34%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	93551	27.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	118094	25.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	113602	26.575 ug/L	99
3) Chloromethane	1.25	50	77713	27.640 ug/L	99
5) Vinyl chloride	1.32	62	80110	27.615 ug/L	98
6) Bromomethane	1.53	94	60149	28.319 ug/L	96
8) Chloroethane	1.60	64	53478	28.765 ug/L	98
9) Trichlorofluoromethane	1.77	101	149534	27.520 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	94667	27.220 ug/L	99
12) 1,1-Dichloroethene	2.14	96	83567	27.508 ug/L	93
13) Acetone	2.22	43	72846	46.620 ug/L	91
14) Carbon disulfide	2.32	76	275174	26.876 ug/L	99
15) Methyl Acetate	2.47	43	47186	24.950 ug/L	94
16) Methylene chloride	2.53	84	93402	24.487 ug/L	87
17) Methyl tert-butyl Ether	2.81	73	218818	27.265 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	92943	26.905 ug/L	100
19) 1,1-Dichloroethane	3.23	63	147610	26.548 ug/L	99
21) 2-Butanone	4.04	43	76284	50.111 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	99006	27.183 ug/L	100

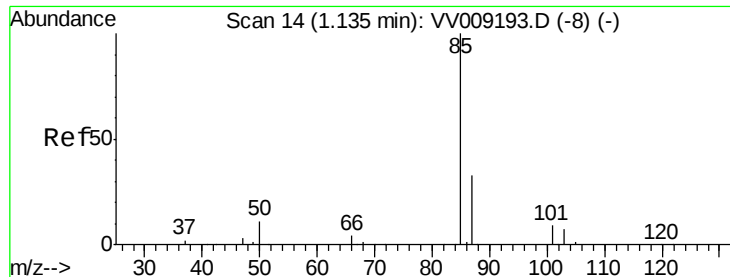
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010819\
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 Quant Title : VOC Analysis
 QLast Update : Wed Jan 09 00:23:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47448	27.373	ug/L	93
25) Chloroform	4.42	83	161094	27.030	ug/L	99
27) 1,2-Dichloroethane	5.18	62	106287	26.257	ug/L	99
30) Cyclohexane	4.72	56	143385	27.414	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	150015	27.104	ug/L	99
32) Carbon tetrachloride	4.87	117	138009	27.223	ug/L	100
34) Benzene	5.15	78	344633	27.040	ug/L	100
35) Trichloroethene	5.96	95	98939	27.197	ug/L	100
36) Methylcyclohexane	6.18	83	168836	27.487	ug/L	99
40) 1,2-Dichloropropane	6.22	63	81569	26.279	ug/L	99
41) Bromodichloromethane	6.56	83	116906	27.387	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	138376	28.375	ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	134743	55.223	ug/L	98
44) Toluene	7.43	91	373022	27.254	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	122010	28.416	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	73326	27.098	ug/L	98
47) Tetrachloroethene	8.02	164	84157	26.822	ug/L	98
49) 2-Hexanone	8.19	43	101800	52.687	ug/L	99
50) Dibromochloromethane	8.29	129	91938	27.859	ug/L	98
51) 1,2-Dibromoethane	8.40	107	76184	27.581	ug/L	99
52) Chlorobenzene	8.93	112	249217	26.485	ug/L	99
53) Ethylbenzene	9.05	91	420471	27.191	ug/L	98
54) m,p-Xylene	9.18	106	162535	27.207	ug/L	96
55) o-xylene	9.59	106	155774	27.412	ug/L	98
56) Styrene	9.60	104	265574	28.093	ug/L	99
57) Isopropylbenzene	9.98	105	423808	27.454	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	94574	27.993	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	71477	26.835	ug/L	98
62) Bromoform	9.77	173	56823	27.194	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	206139	26.711	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	205013	26.069	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	195436	26.824	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	17372	26.591	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	162990	26.528	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	135236	27.174	ug/L	99
69) Naphthalene	13.55	128	260827	27.222	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	124368	27.372	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 26.575 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

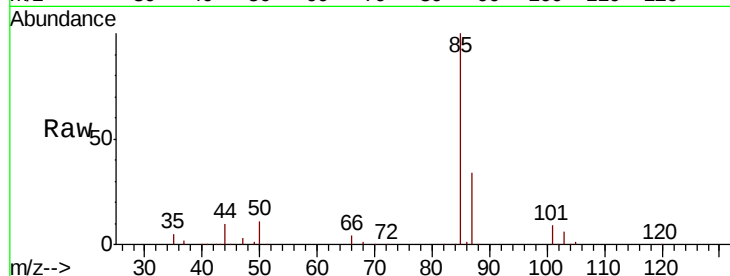
VICV61

Tgt Ion: 85 Resp: 113602

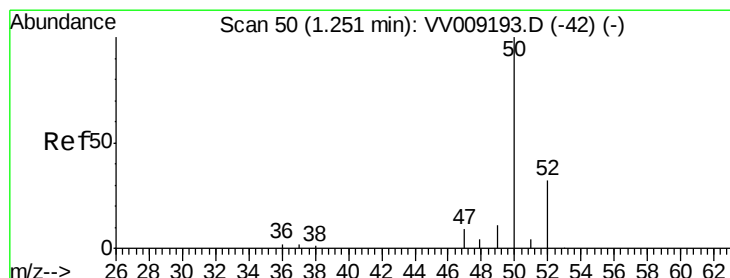
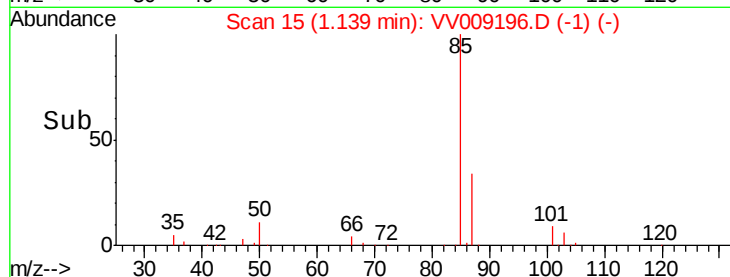
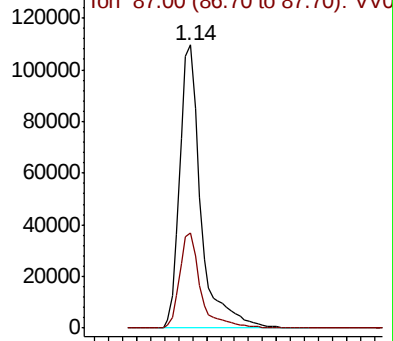
Ion Ratio Lower Upper

85 100

87 33.4 23.0 42.6



Abundance Ion 85.00 (84.70 to 85.70): VV009196.D (-1) (-)



#3

Chloromethane

Concen: 27.640 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009196.D

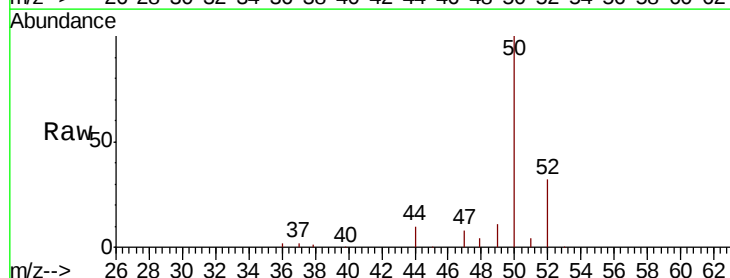
Acq: 08 Jan 2019 15:51

Tgt Ion: 50 Resp: 77713

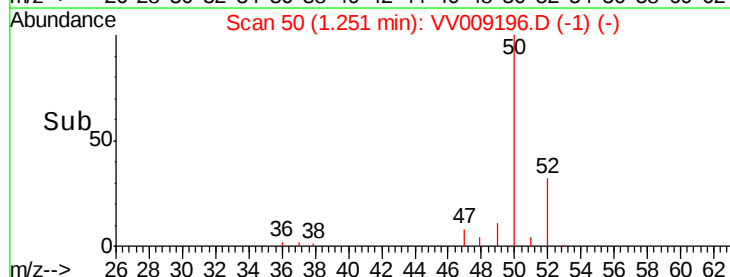
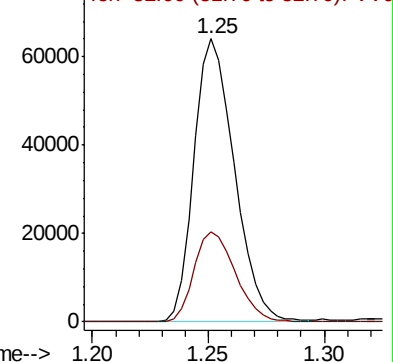
Ion Ratio Lower Upper

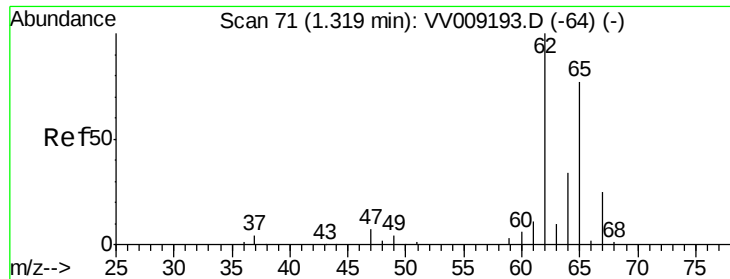
50 100

52 32.0 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV009196.D (-1) (-)





#5

Vinyl chloride

Concen: 27.615 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

Instrument :

MSVOA_V

ClientSampled :

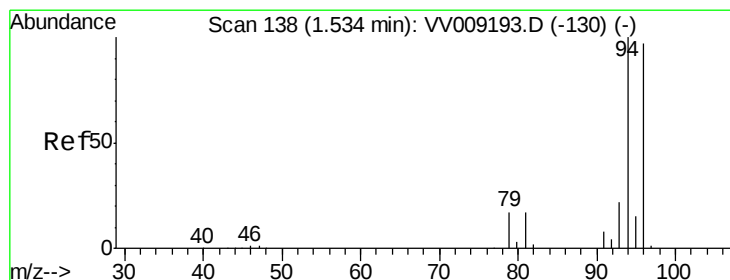
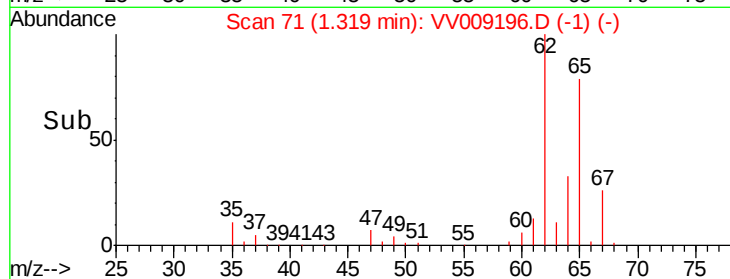
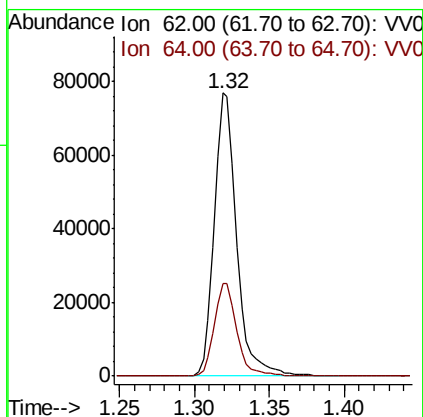
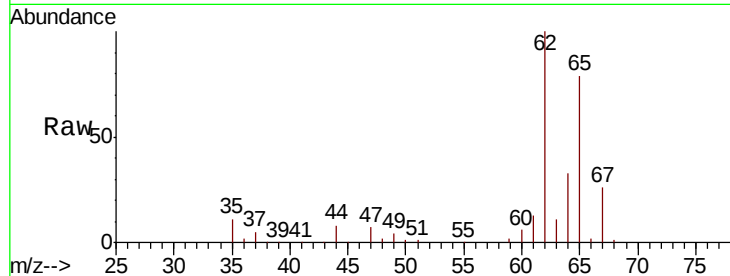
VICV61

Tgt Ion: 62 Resp: 80110

Ion Ratio Lower Upper

62 100

64 33.0 24.1 44.7



#6

Bromomethane

Concen: 28.319 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV009196.D

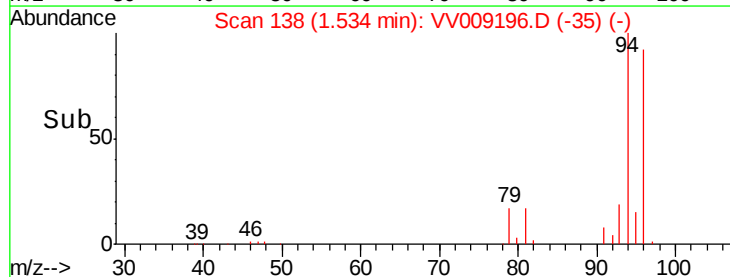
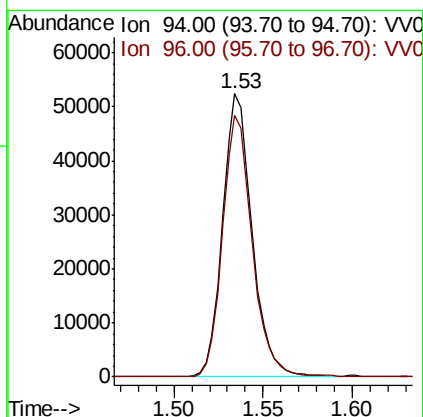
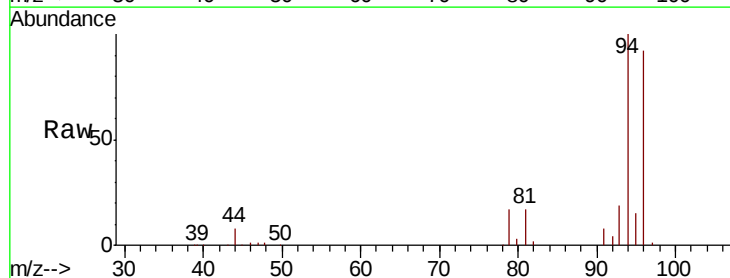
Acq: 08 Jan 2019 15:51

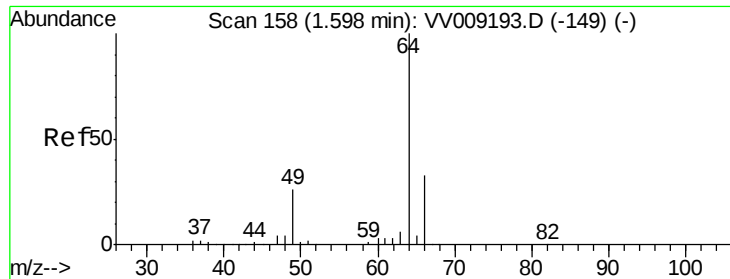
Tgt Ion: 94 Resp: 60149

Ion Ratio Lower Upper

94 100

96 92.8 9.6 183.3





#8

Chloroethane

Concen: 28.765 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

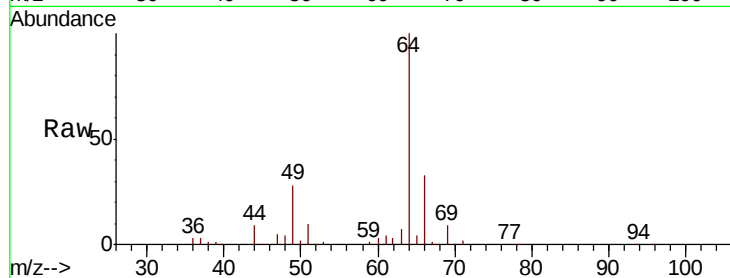
VICV61

Tgt Ion: 64 Resp: 53478

Ion Ratio Lower Upper

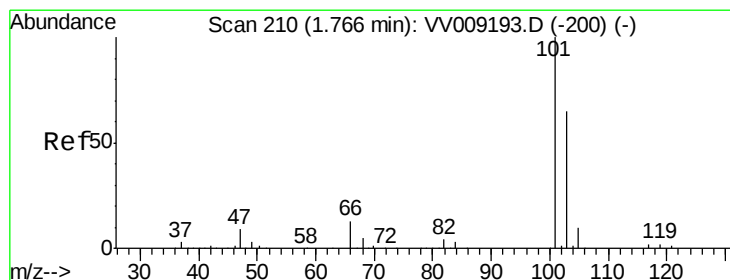
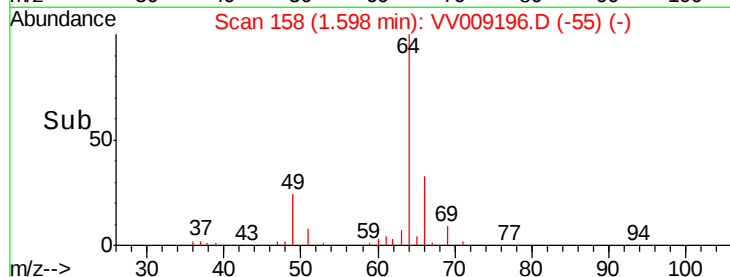
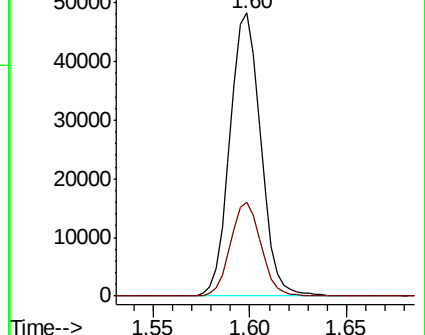
64 100

66 33.4 22.7 42.3



Abundance Ion 64.00 (63.70 to 64.70): VV009196.D (-55) (-)

Ion 66.00 (65.70 to 66.70): VV009196.D (-55) (-)



#9

Trichlorofluoromethane

Concen: 27.520 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV009196.D

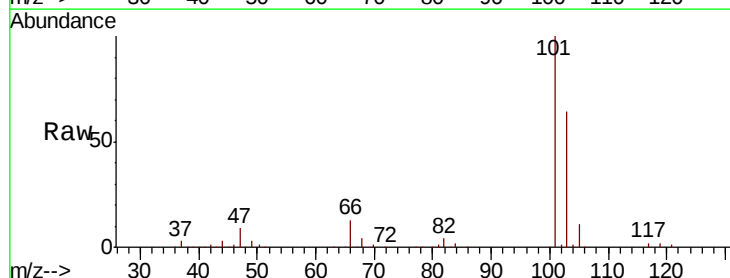
Acq: 08 Jan 2019 15:51

Tgt Ion: 101 Resp: 149534

Ion Ratio Lower Upper

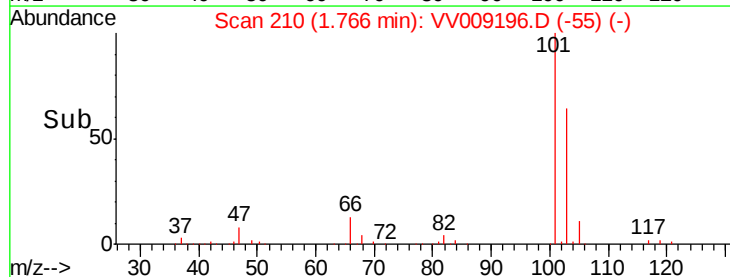
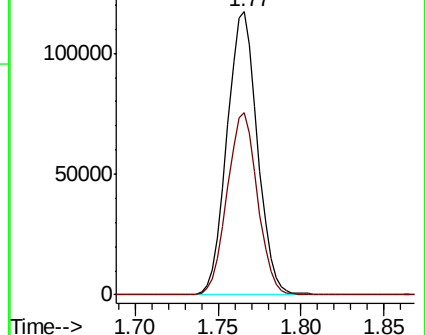
101 100

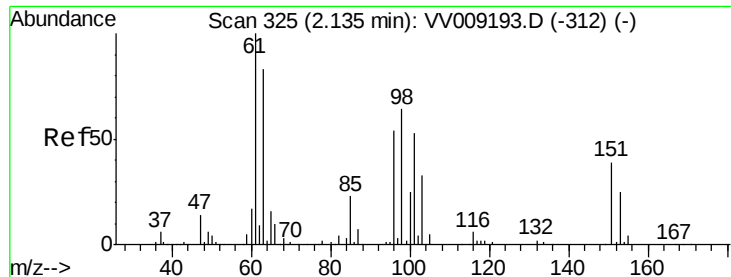
103 64.0 45.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): VV009196.D (-55) (-)

Ion 103.00 (102.70 to 103.70): VV009196.D (-55) (-)





#11

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

Concen: 27.220 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

VICV61

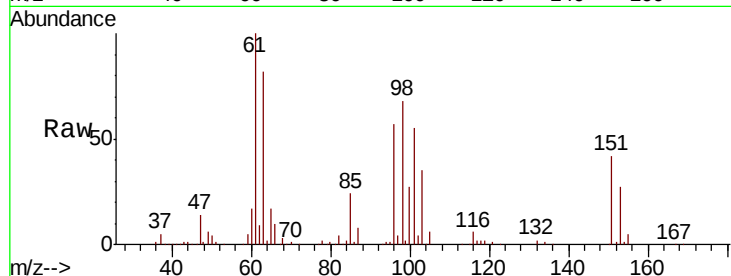
Tgt Ion:101 Resp: 94667

Ion Ratio Lower Upper

101 100

85 43.8 35.2 52.8

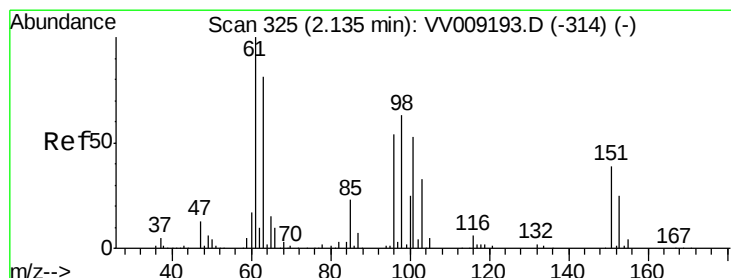
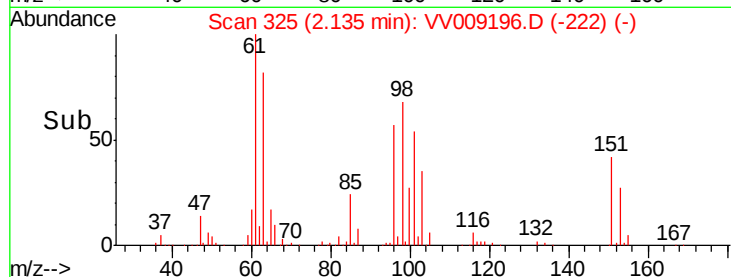
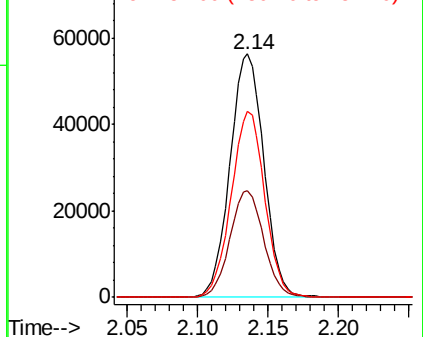
151 75.7 59.4 89.2



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: 27.508 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

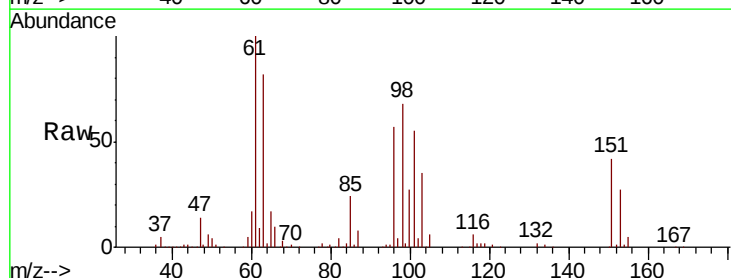
Tgt Ion: 96 Resp: 83567

Ion Ratio Lower Upper

96 100

61 176.7 130.3 241.9

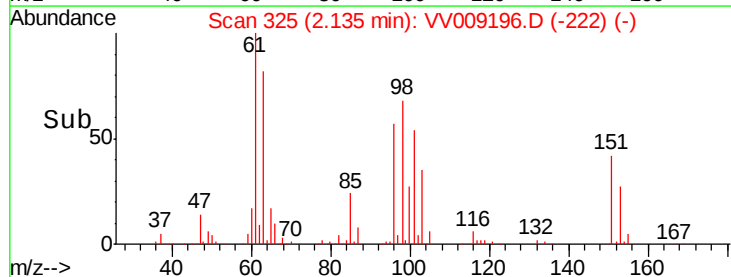
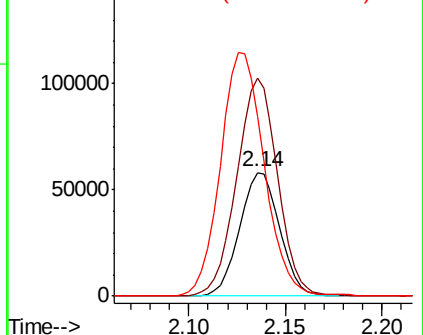
63 145.6 107.8 200.2

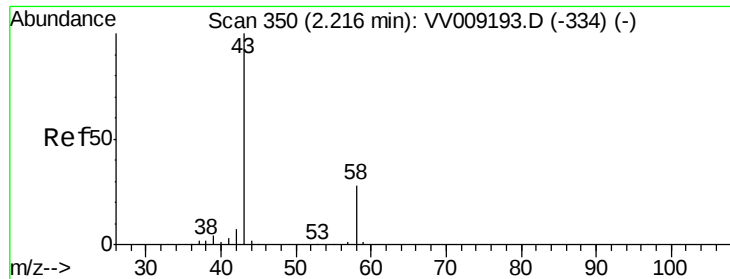


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 46.620 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

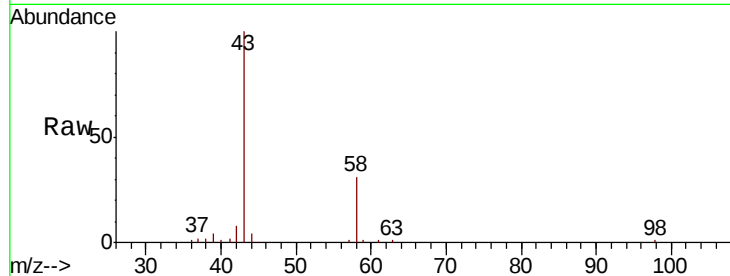
VICV61

Tgt Ion: 43 Resp: 72846

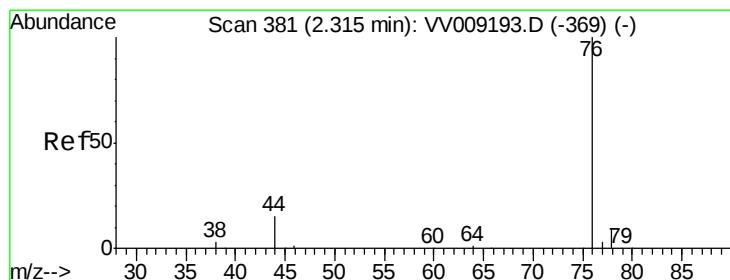
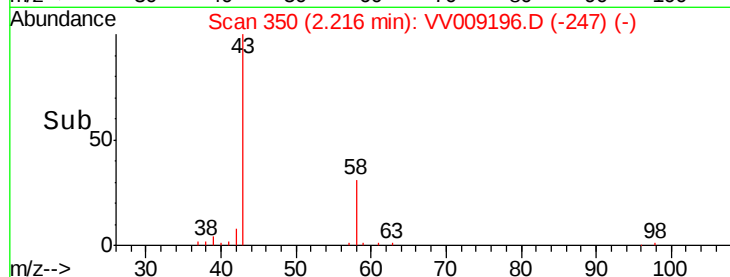
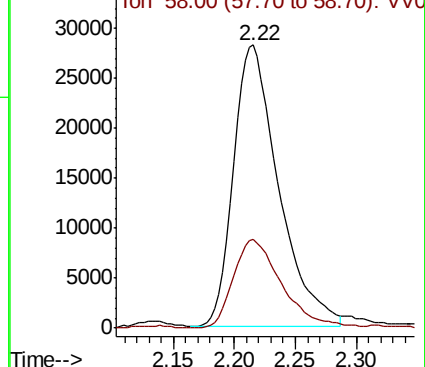
Ion Ratio Lower Upper

43 100

58 33.6 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV009196.D (-247) (-)



#14

Carbon disulfide

Concen: 26.876 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009196.D

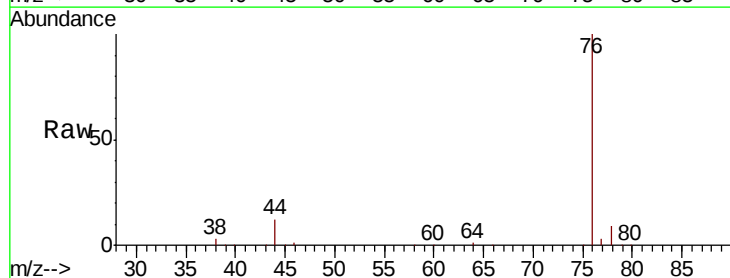
Acq: 08 Jan 2019 15:51

Tgt Ion: 76 Resp: 275174

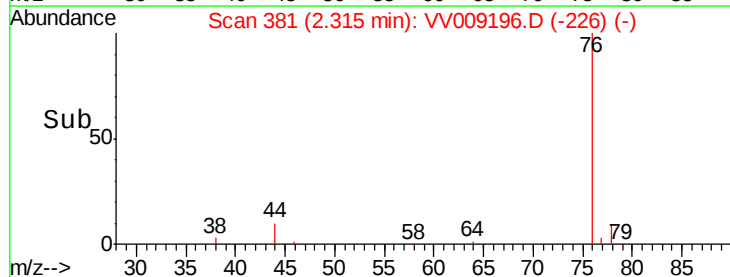
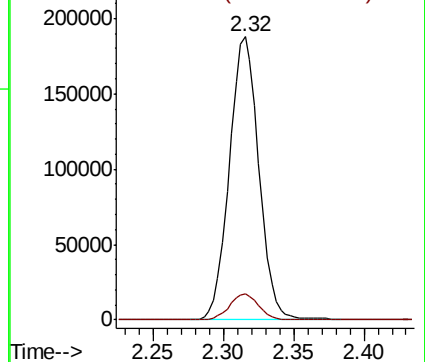
Ion Ratio Lower Upper

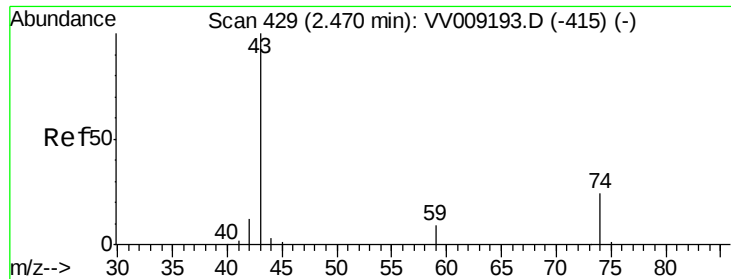
76 100

78 9.1 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009196.D (-226) (-)

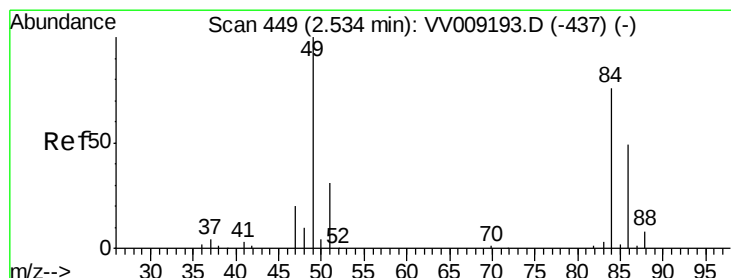
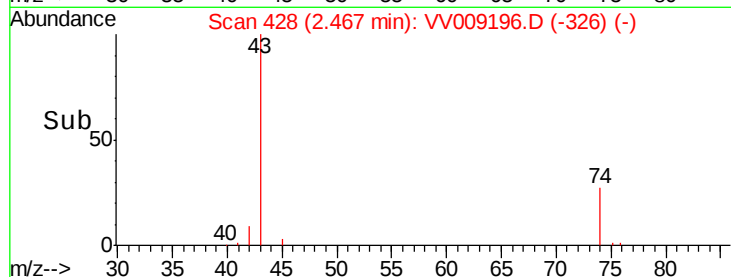
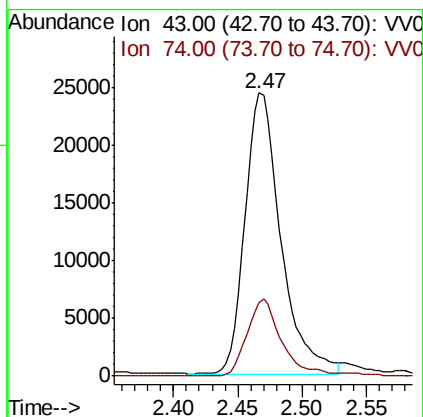
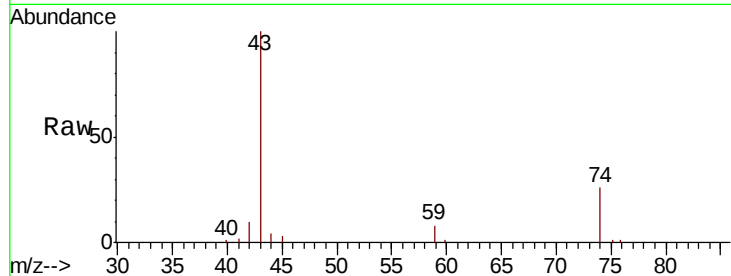




#15
Methyl Acetate
Concen: 24.950 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV009196.D
Acq: 08 Jan 2019 15:51

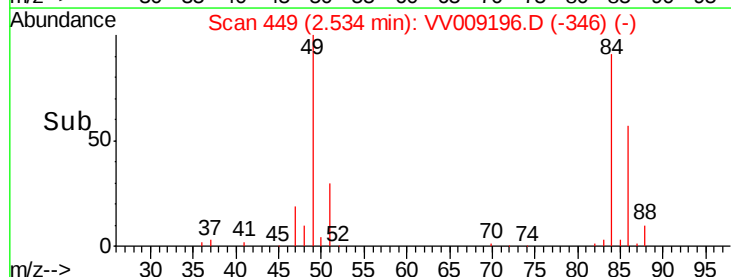
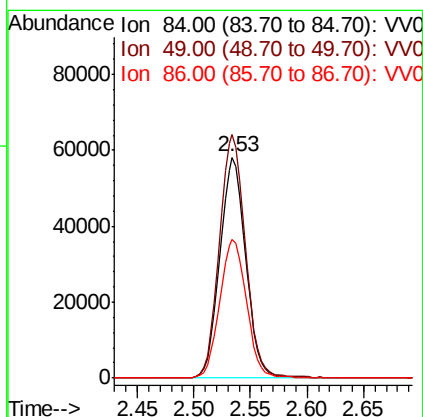
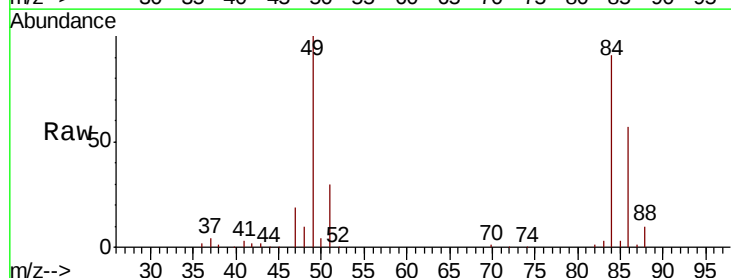
Instrument :
MSVOA_V
ClientSampled :
VICV61

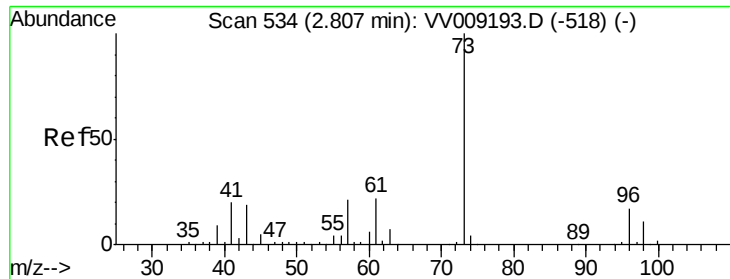
Tgt Ion: 43 Resp: 47186
Ion Ratio Lower Upper
43 100
74 25.2 17.8 26.8



#16
Methylene chloride
Concen: 24.487 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009196.D
Acq: 08 Jan 2019 15:51

Tgt Ion: 84 Resp: 93402
Ion Ratio Lower Upper
84 100
49 110.1 92.0 170.9
86 62.8 44.9 83.3





#17

Methyl tert-butyl Ether

Concen: 27.265 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

Instrument :

MSVOA_V

ClientSampled :

VICV61

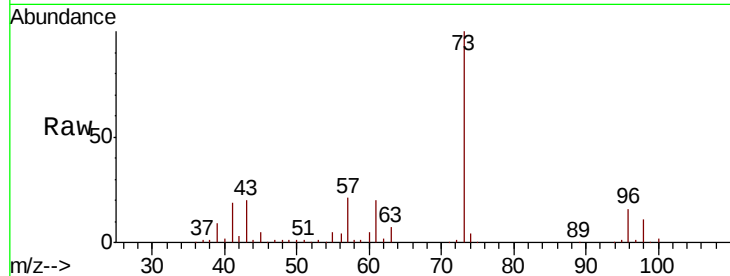
Tgt Ion: 73 Resp: 218818

Ion Ratio Lower Upper

73 100

43 19.3 15.4 23.0

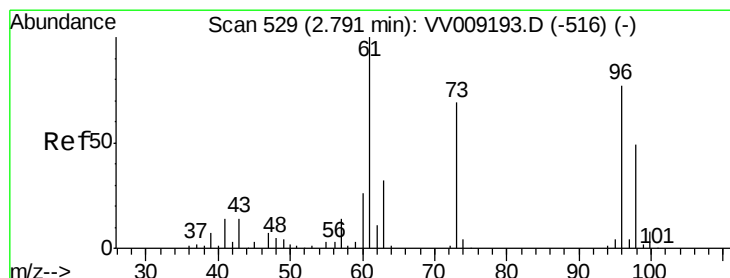
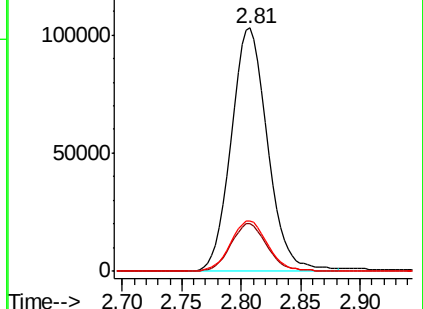
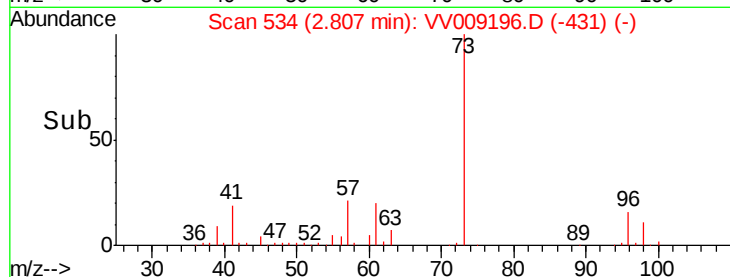
57 21.1 16.4 24.6



Abundance Ion 73.00 (72.70 to 73.70): VV009196.D (-431) (-)

Ion 43.00 (42.70 to 43.70): VV009196.D (-431) (-)

Ion 57.00 (56.70 to 57.70): VV009196.D (-431) (-)



#18

trans-1,2-Dichloroethene

Concen: 26.905 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

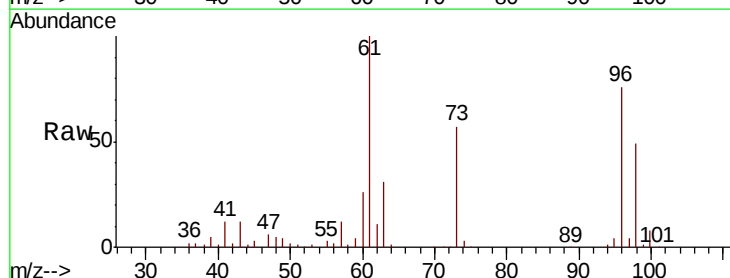
Tgt Ion: 96 Resp: 92943

Ion Ratio Lower Upper

96 100

61 130.8 91.3 169.5

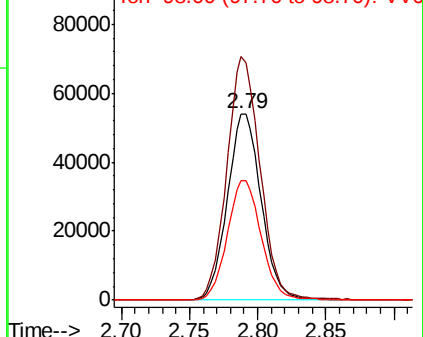
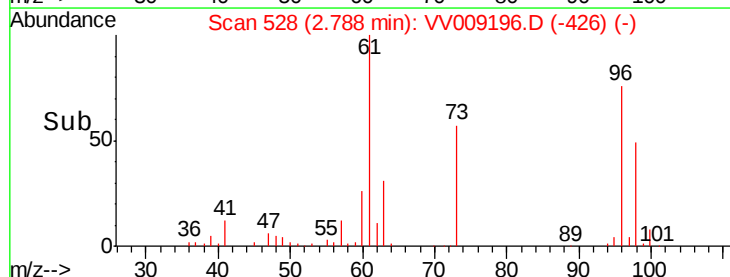
98 64.2 44.6 82.8

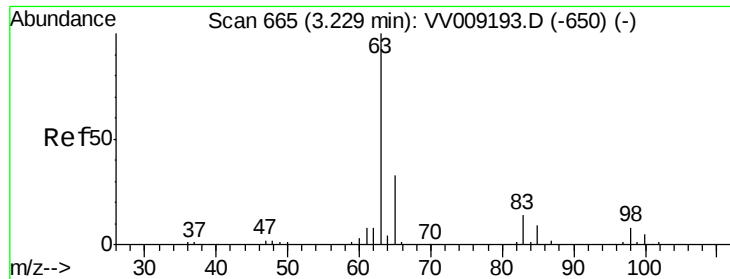


Abundance Ion 96.00 (95.70 to 96.70): VV009196.D (-426) (-)

Ion 61.00 (60.70 to 61.70): VV009196.D (-426) (-)

Ion 98.00 (97.70 to 98.70): VV009196.D (-426) (-)

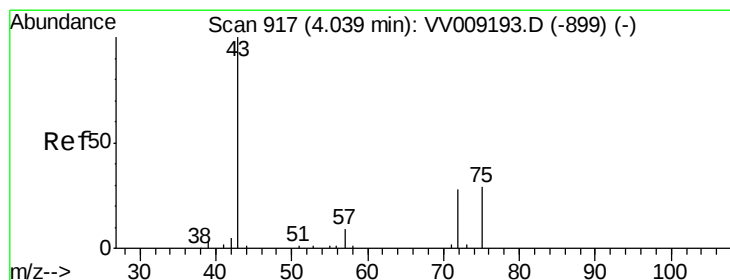
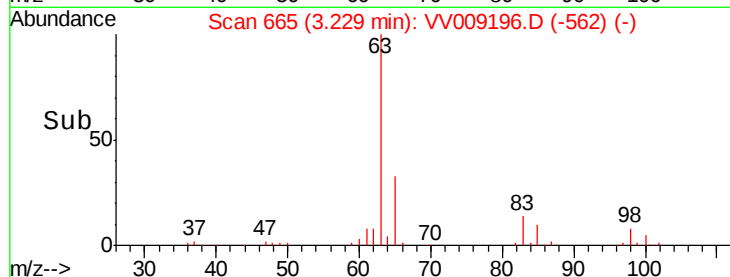
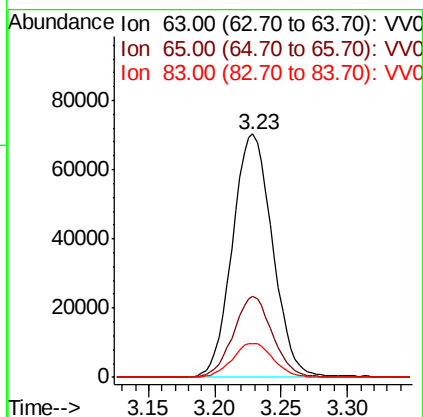
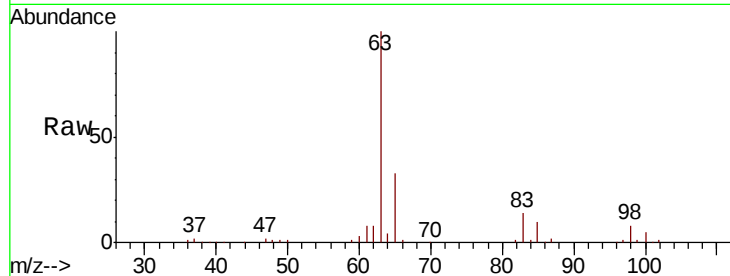




#19
 1,1-Dichloroethane
 Concen: 26.548 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

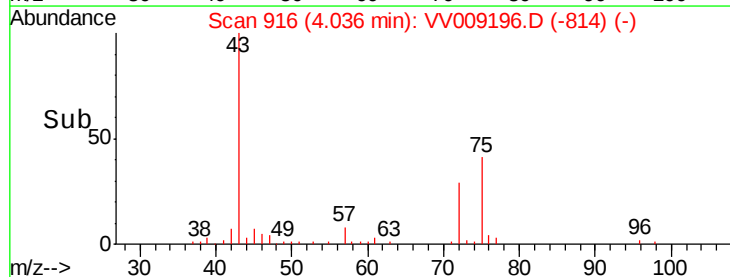
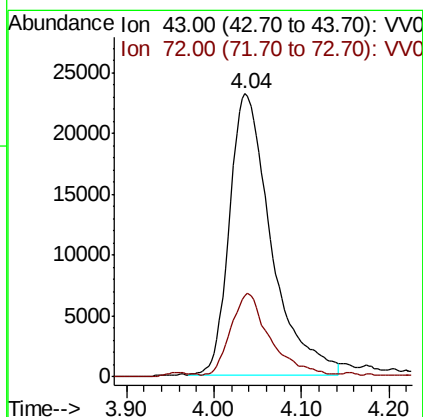
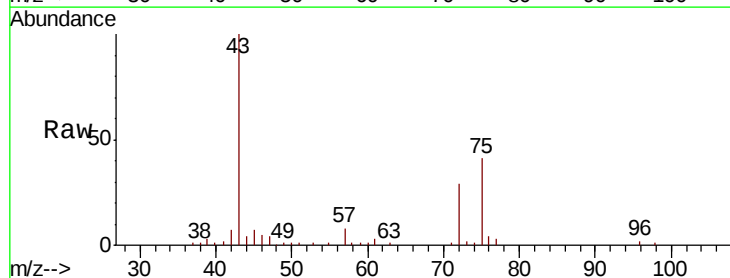
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

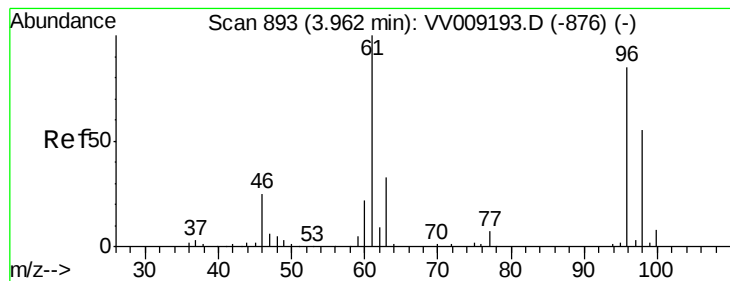
Tgt Ion: 63 Resp: 147610
 Ion Ratio Lower Upper
 63 100
 65 33.5 23.0 42.6
 83 14.0 10.1 18.9



#21
 2-Butanone
 Concen: 50.111 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

Tgt Ion: 43 Resp: 76284
 Ion Ratio Lower Upper
 43 100
 72 27.3 12.9 38.6



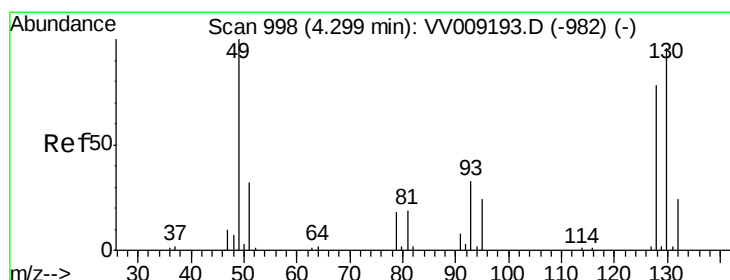
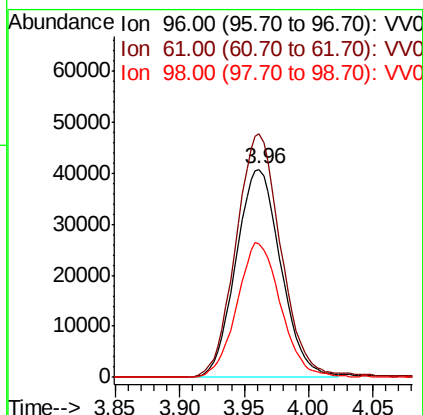
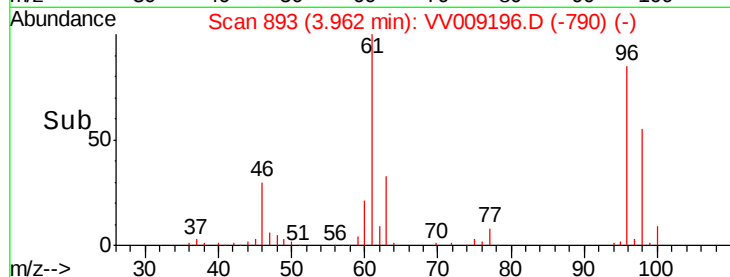
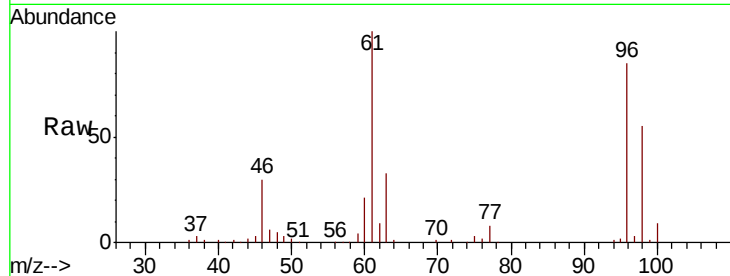


#22

cis-1,2-Dichloroethene
Concen: 27.183 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009196.D
Acq: 08 Jan 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :
VICV61

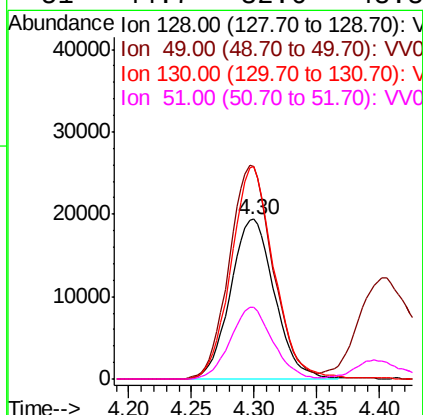
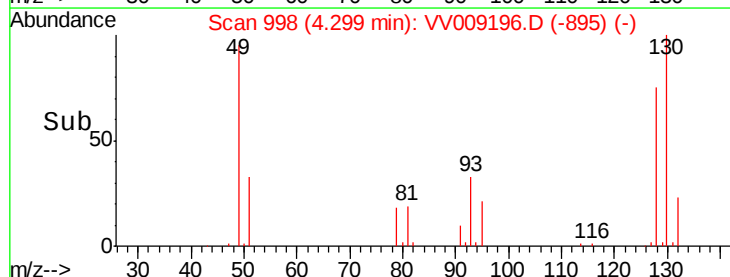
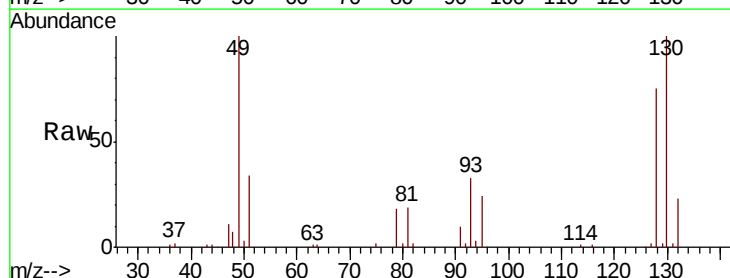
Tgt Ion: 96 Resp: 99006
Ion Ratio Lower Upper
96 100
61 117.0 82.2 152.6
98 64.4 45.1 83.9

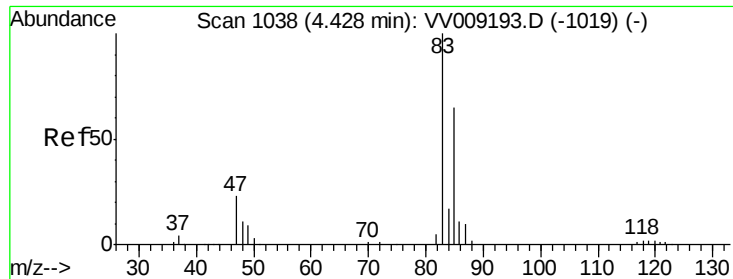


#23

Bromochloromethane
Concen: 27.373 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV009196.D
Acq: 08 Jan 2019 15:51

Tgt Ion: 128 Resp: 47448
Ion Ratio Lower Upper
128 100
49 133.0 89.2 165.6
130 133.1 85.9 159.5
51 44.7 32.6 48.8

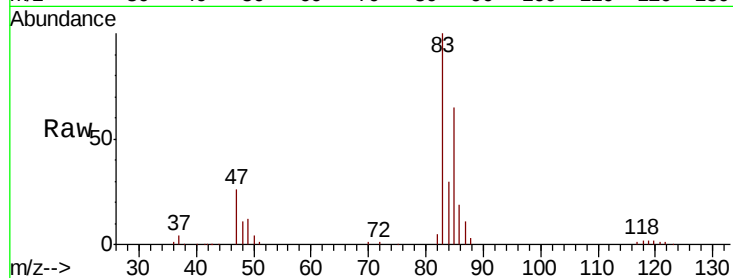




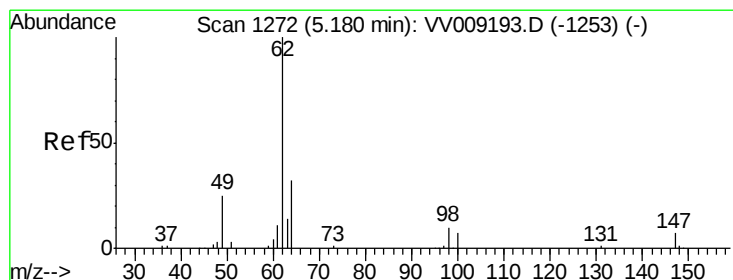
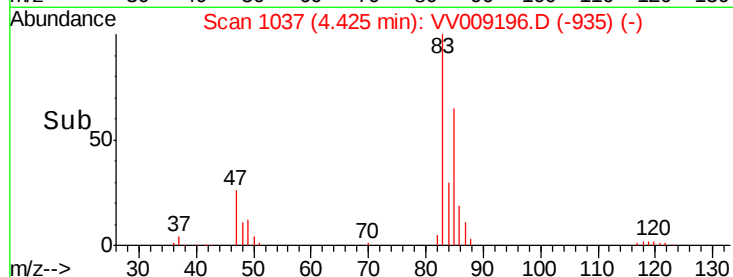
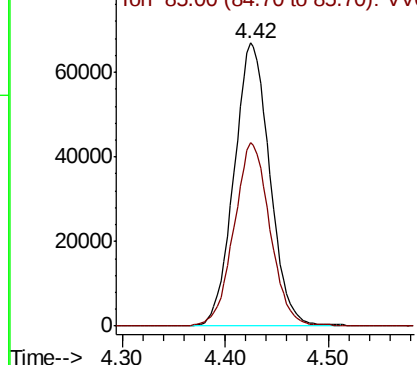
#25
Chloroform
Concen: 27.030 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009196.D
Acq: 08 Jan 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :
VICV61

Tgt Ion: 83 Resp: 161094
Ion Ratio Lower Upper
83 100
85 65.2 46.2 85.8

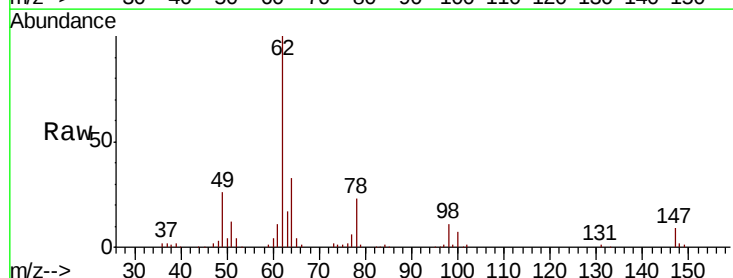


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

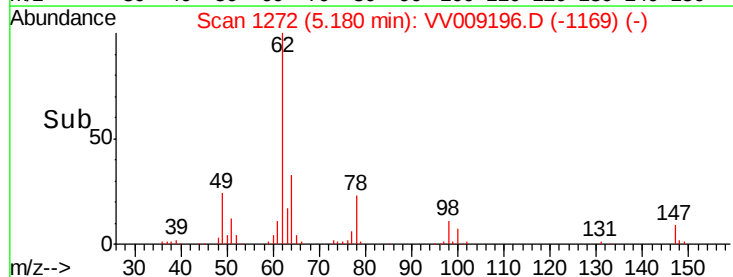
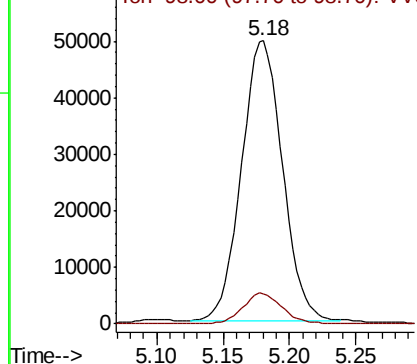


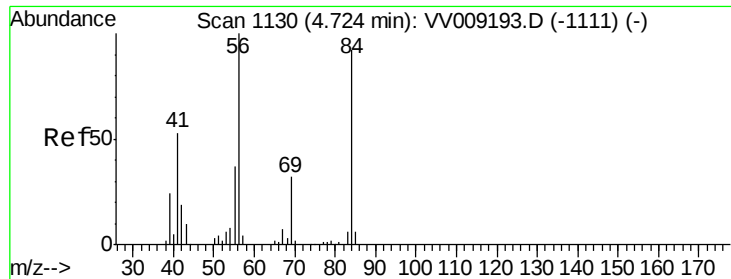
#27
1,2-Dichloroethane
Concen: 26.257 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009196.D
Acq: 08 Jan 2019 15:51

Tgt Ion: 62 Resp: 106287
Ion Ratio Lower Upper
62 100
98 10.6 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

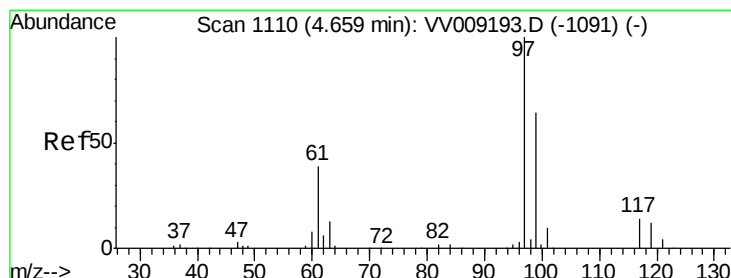
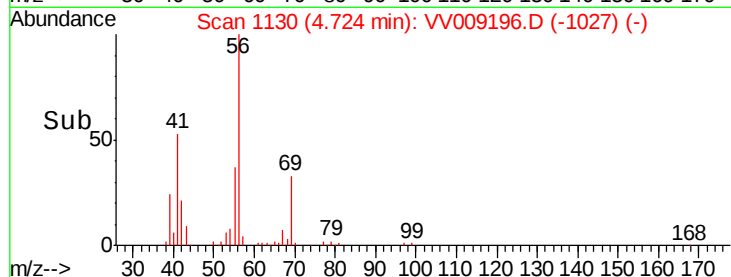
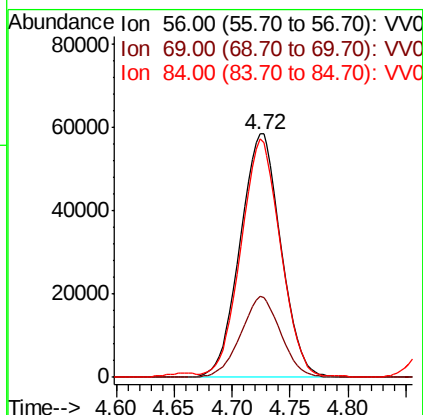
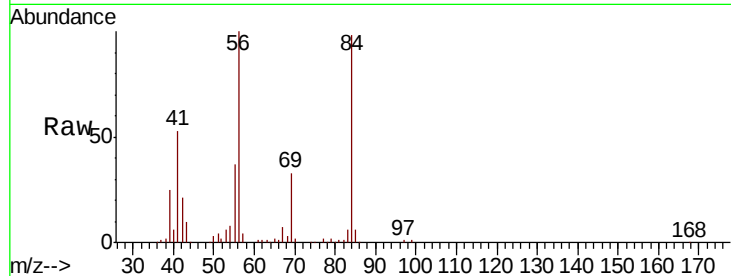




#30
Cyclohexane
Concen: 27.414 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV009196.D
Acq: 08 Jan 2019 15:51

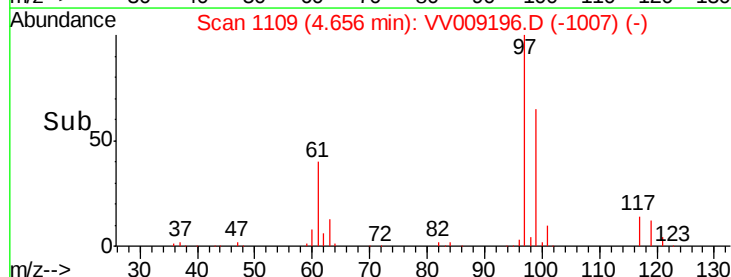
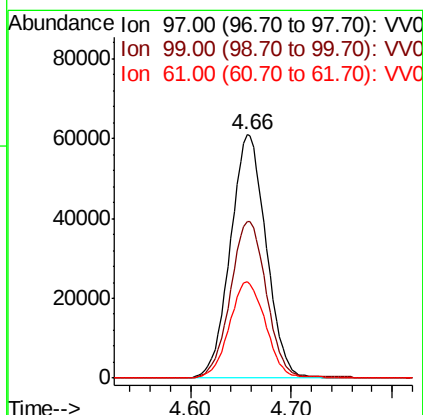
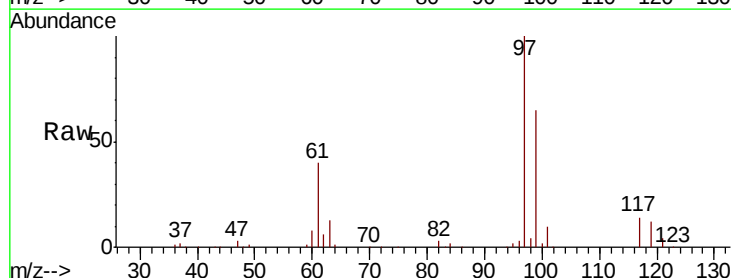
Instrument :
MSVOA_V
ClientSampleId :
VICV61

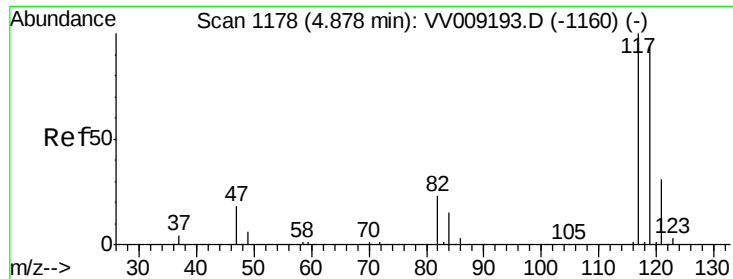
Tgt Ion: 56 Resp: 143385
Ion Ratio Lower Upper
56 100
69 32.5 25.9 38.9
84 95.6 75.6 113.4



#31
1,1,1-Trichloroethane
Concen: 27.104 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV009196.D
Acq: 08 Jan 2019 15:51

Tgt Ion: 97 Resp: 150015
Ion Ratio Lower Upper
97 100
99 64.9 51.3 76.9
61 40.0 32.1 48.1





#32

Carbon tetrachloride

Concen: 27.223 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

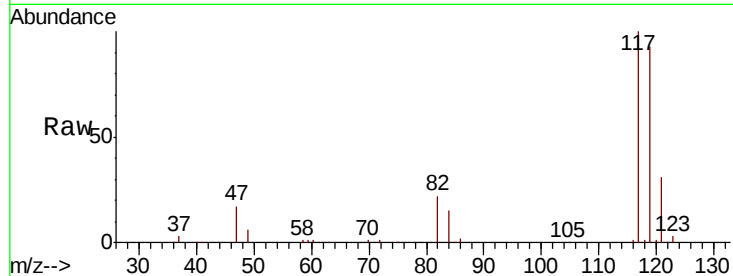
VICV61

Tgt Ion:117 Resp: 138009

Ion Ratio Lower Upper

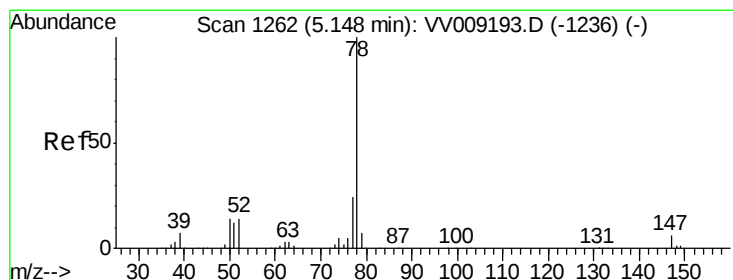
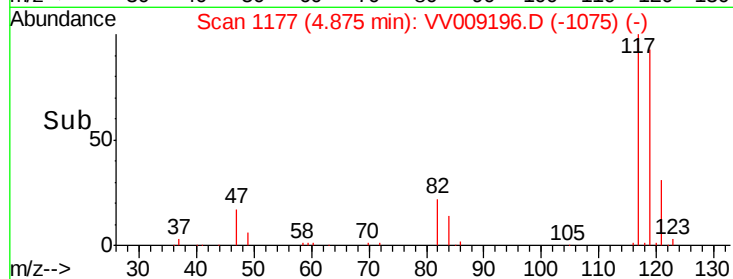
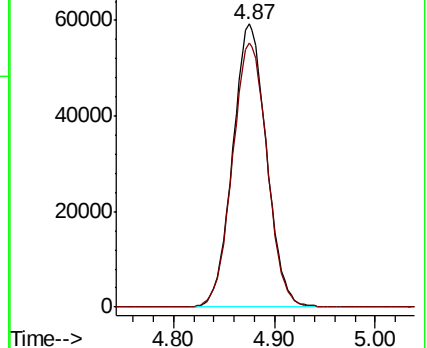
117 100

119 95.6 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: 27.040 ug/L

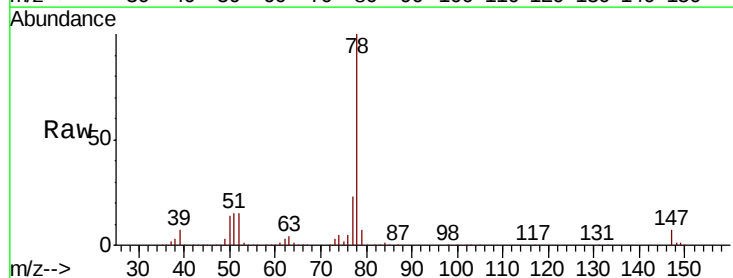
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

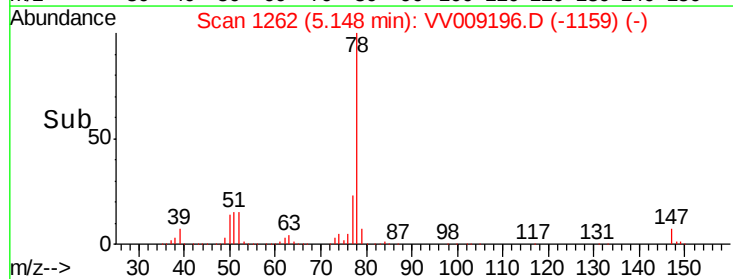
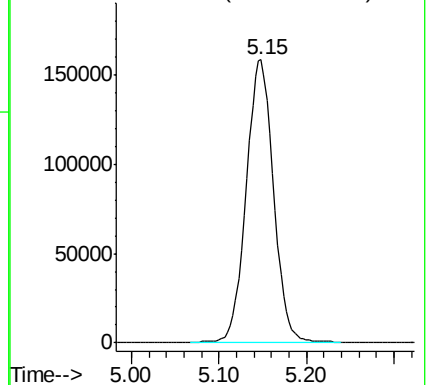
Lab File: VV009196.D

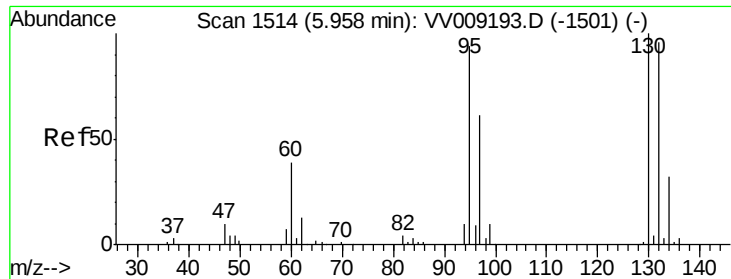
Acq: 08 Jan 2019 15:51

Tgt Ion: 78 Resp: 344633



Abundance Ion 78.00 (77.70 to 78.70): VV0

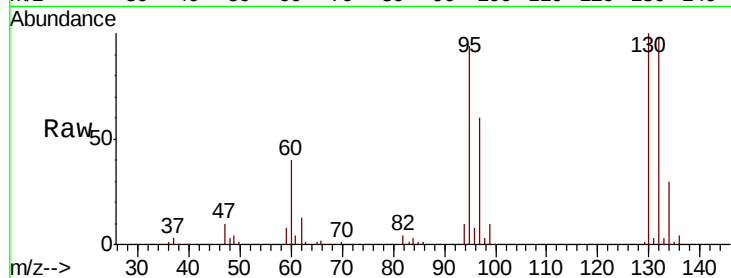




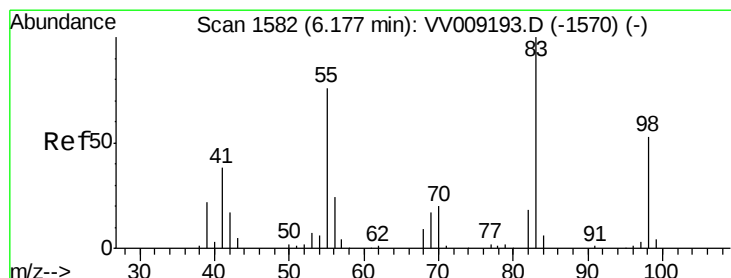
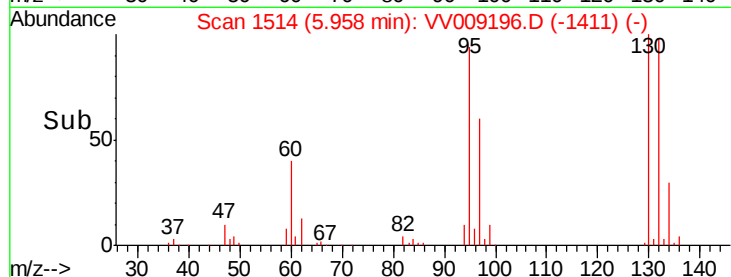
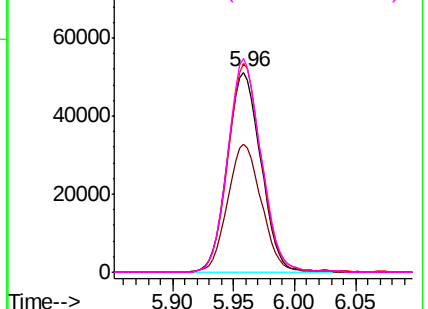
#35
 Trichloroethene
 Concen: 27.197 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

Tgt Ion: 95 Resp: 98939
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.7 82.9
 132 102.6 71.2 132.2
 130 106.3 74.4 138.2

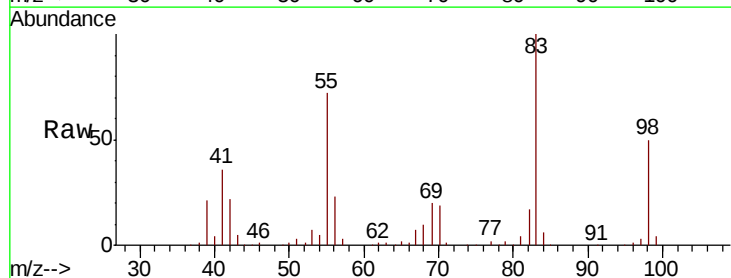


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

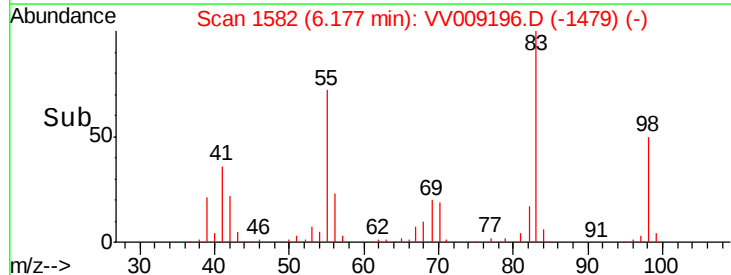
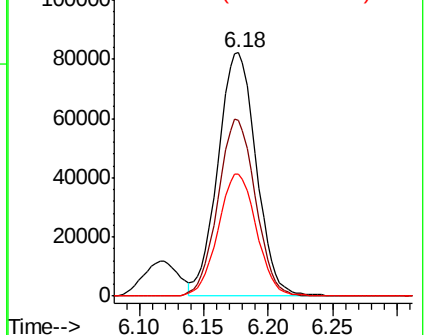


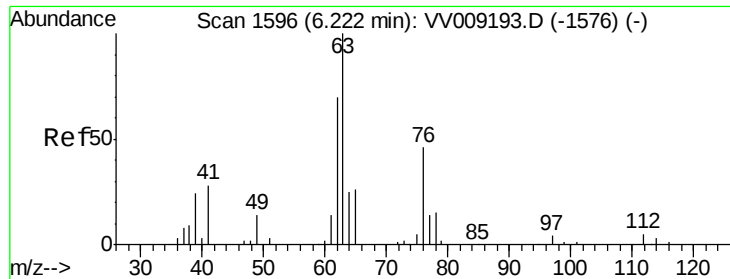
#36
 Methylcyclohexane
 Concen: 27.487 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

Tgt Ion: 83 Resp: 168836
 Ion Ratio Lower Upper
 83 100
 55 71.6 57.6 86.4
 98 50.7 41.0 61.6



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

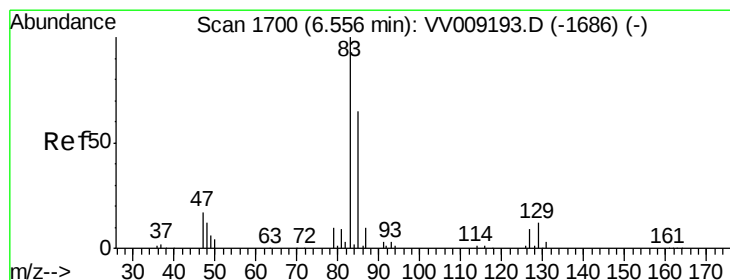
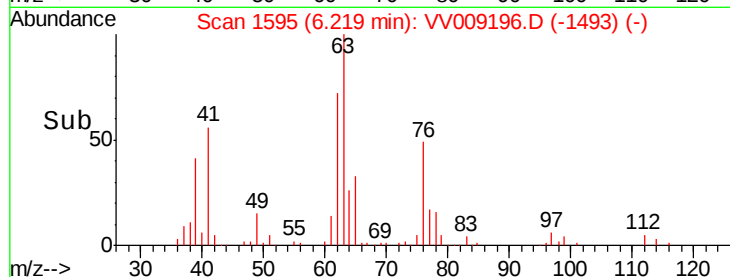
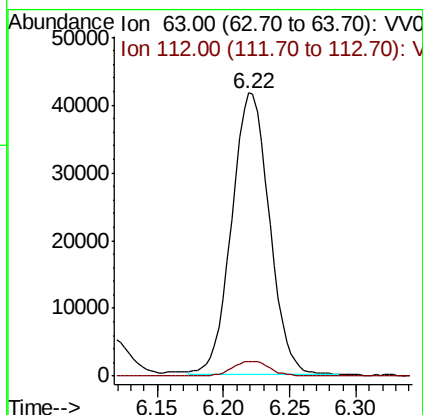
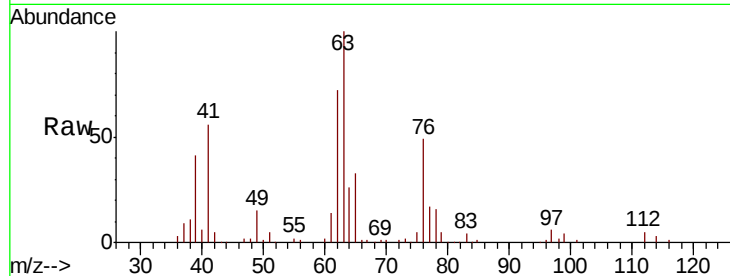




#40
 1,2-Dichloropropane
 Concen: 26.279 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

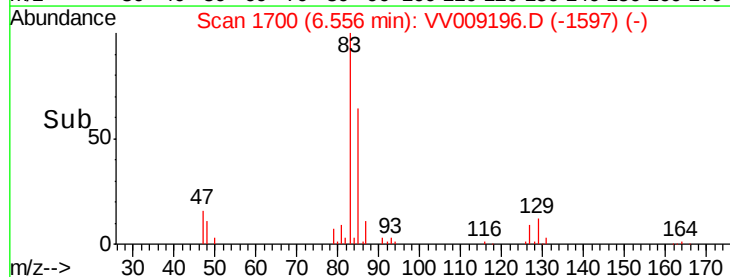
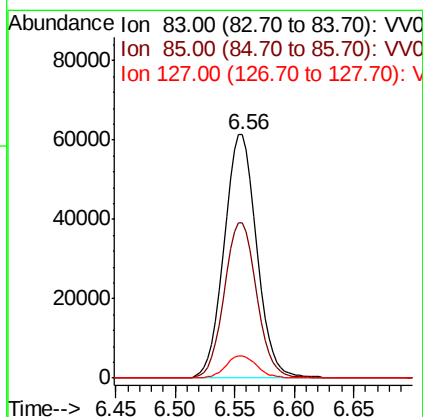
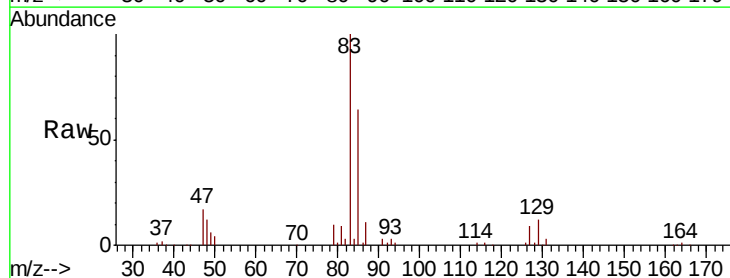
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

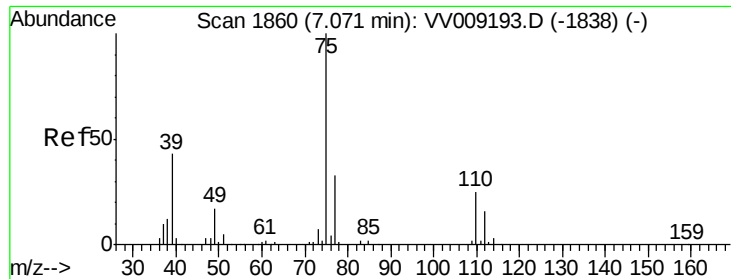
Tgt Ion: 63 Resp: 81569
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.1 6.1



#41
 Bromodichloromethane
 Concen: 27.387 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

Tgt Ion: 83 Resp: 116906
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.4 84.4
 127 8.9 7.2 10.8



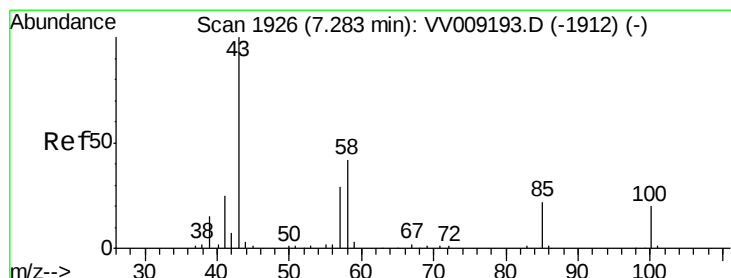
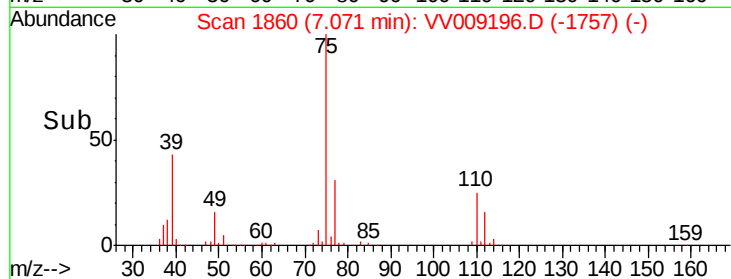
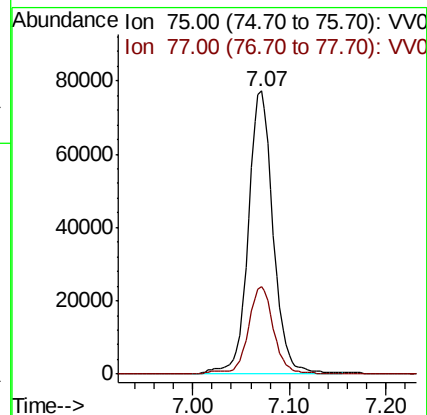
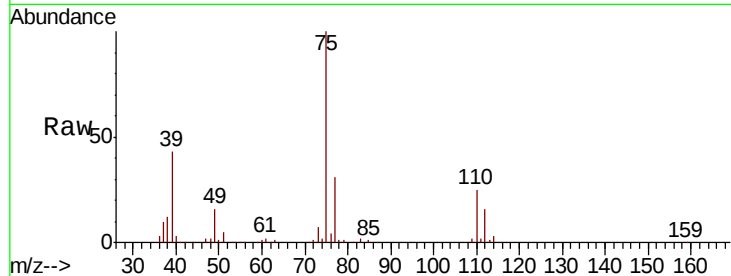


#42

cis-1,3-Dichloropropene
 Concen: 28.375 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

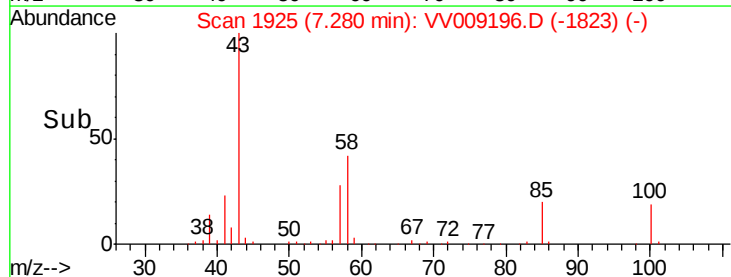
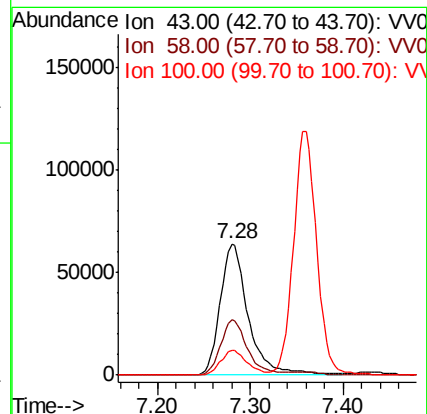
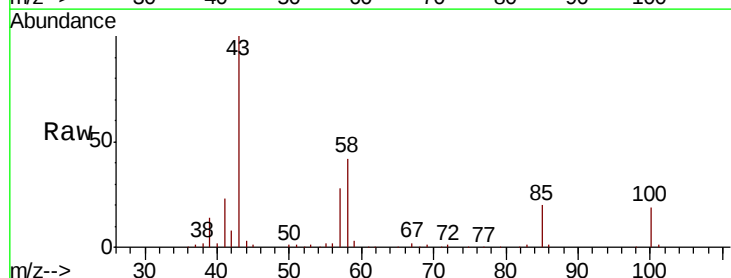
Tgt Ion: 75 Resp: 138376
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.7 42.3

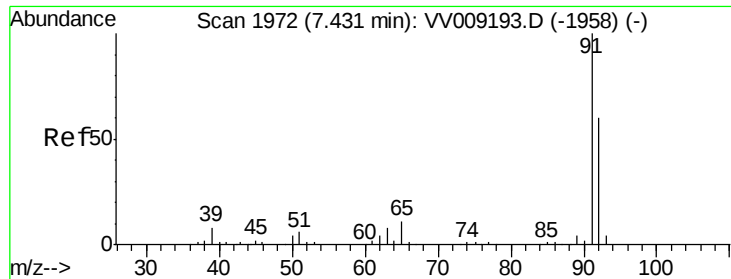


#43

4-Methyl-2-pentanone
 Concen: 55.223 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

Tgt Ion: 43 Resp: 134743
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.8 49.2
 100 17.6 15.0 22.4





#44

Toluene

Concen: 27.254 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

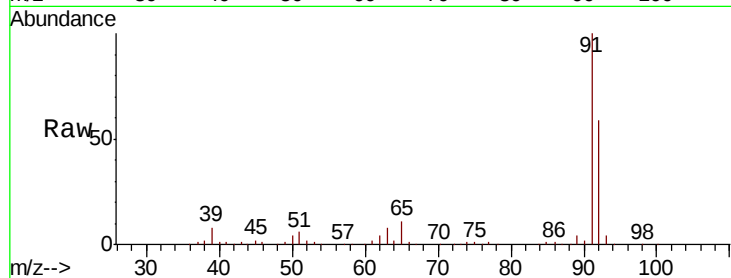
VICV61

Tgt Ion: 91 Resp: 373022

Ion Ratio Lower Upper

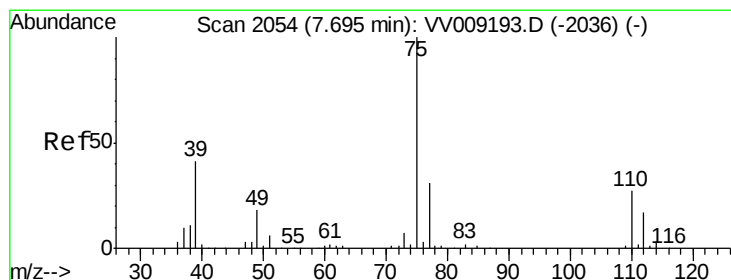
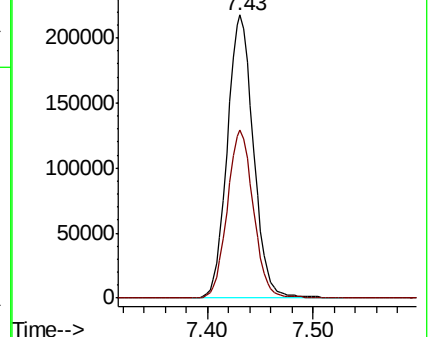
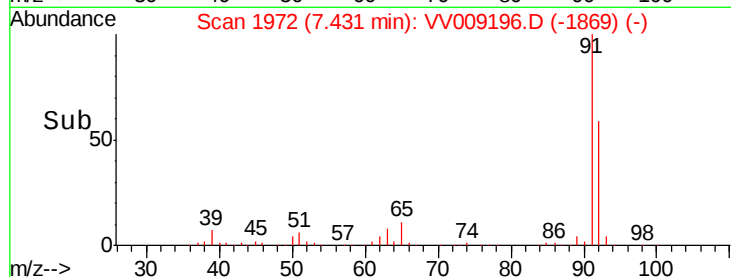
91 100

92 59.2 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VV009196.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV009196.D (-1869) (-)



#45

trans-1,3-Dichloropropene

Concen: 28.416 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009196.D

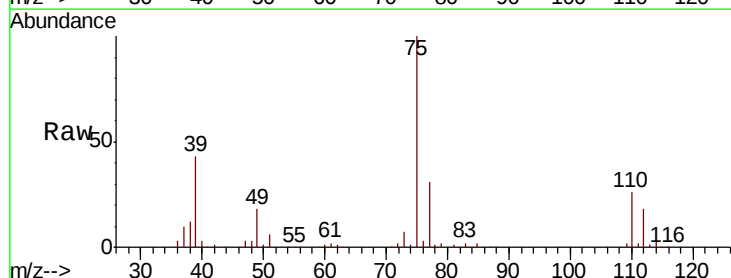
Acq: 08 Jan 2019 15:51

Tgt Ion: 75 Resp: 122010

Ion Ratio Lower Upper

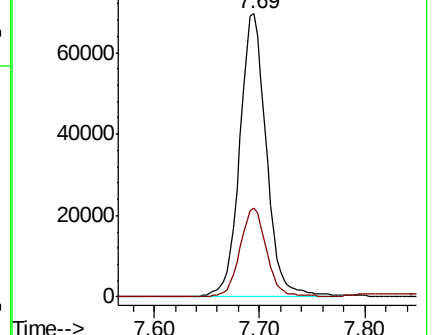
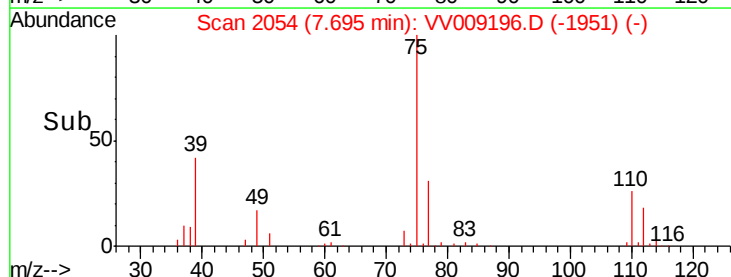
75 100

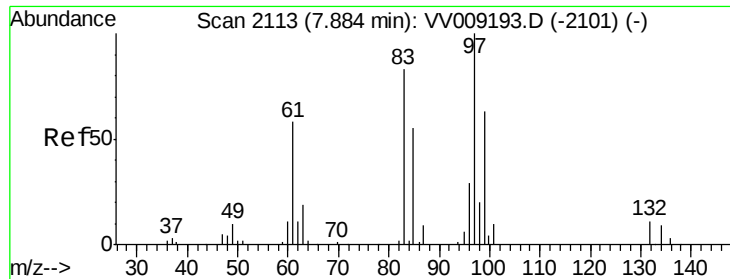
77 31.3 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV009196.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VV009196.D (-1951) (-)

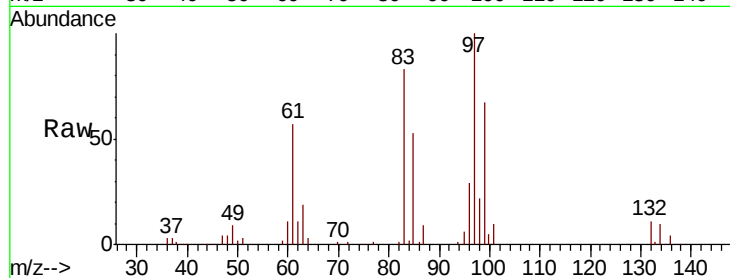




#46
 1,1,2-Trichloroethane
 Concen: 27.098 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

Tgt Ion:	97	Resp:	73326
Ion	Ratio	Lower	Upper
97	100		
83	83.0	58.0	107.6
85	53.1	38.4	71.4
99	66.9	44.0	81.6



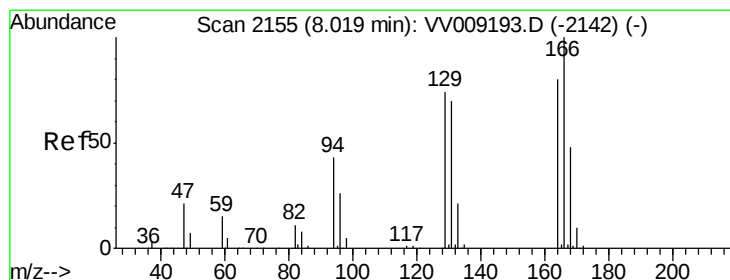
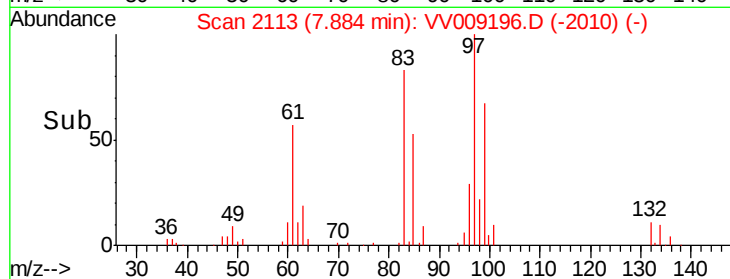
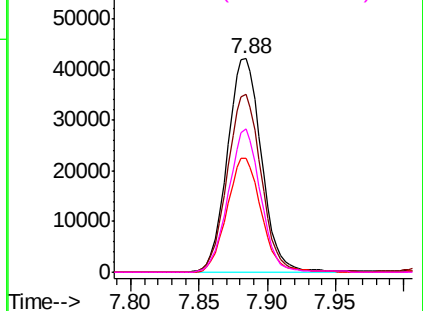
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47
 Tetrachloroethene
 Concen: 26.822 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

Tgt Ion:	164	Resp:	84157
Ion	Ratio	Lower	Upper
164	100		
129	93.5	65.3	121.3
131	91.7	61.8	114.8
166	127.3	87.8	163.0

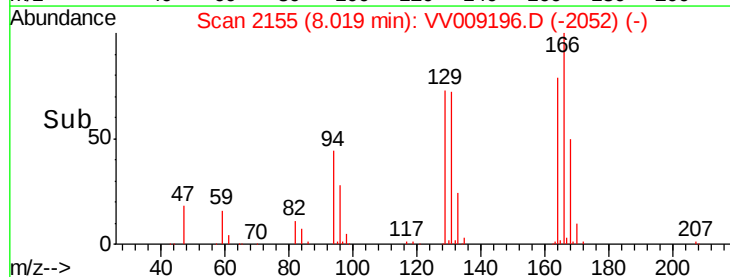
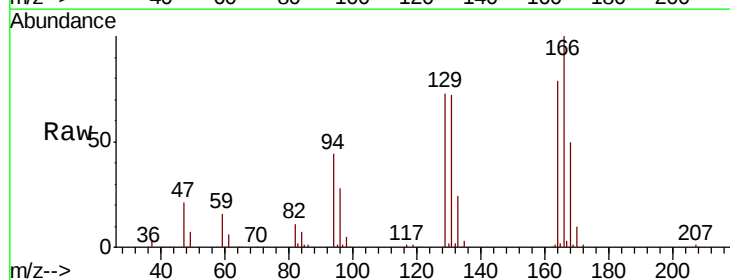
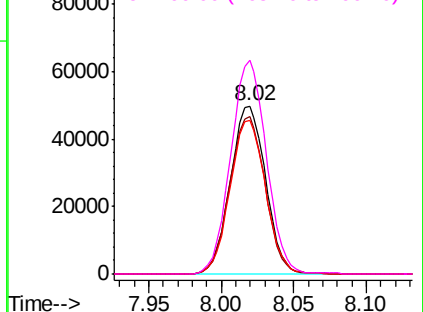
Abundance

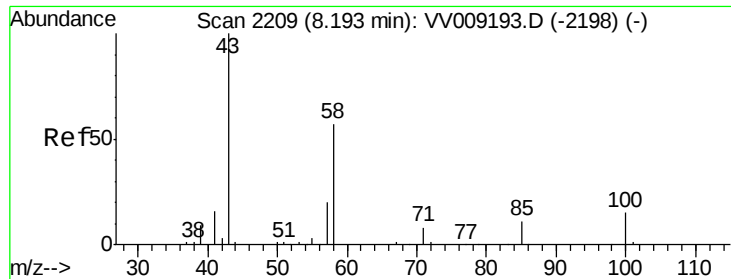
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

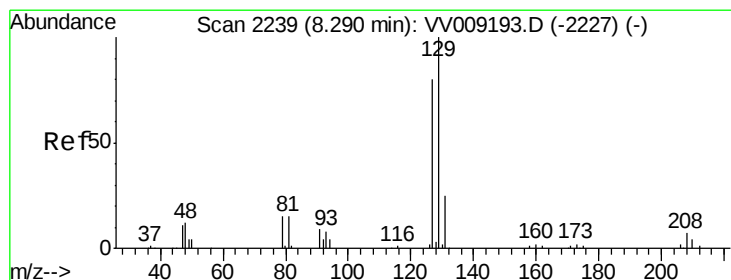
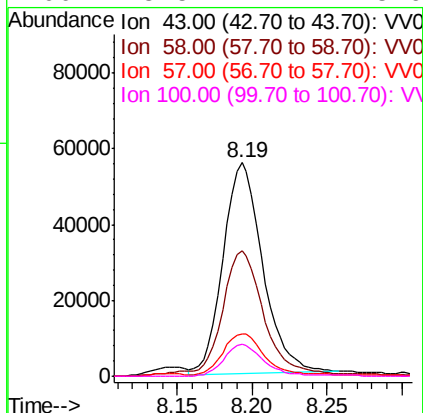
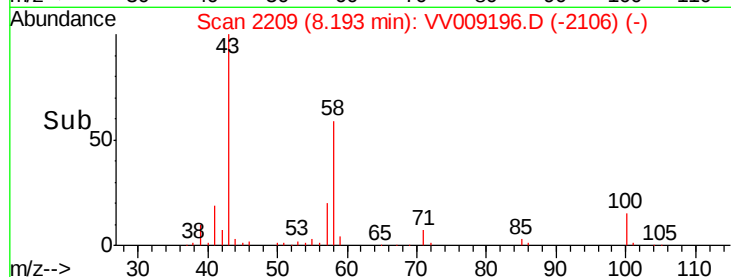
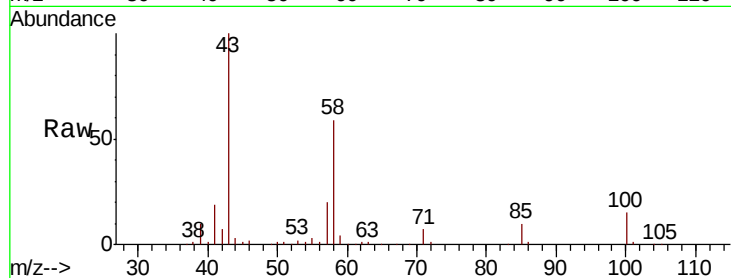




#49
2-Hexanone
Concen: 52.687 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV009196.D
Acq: 08 Jan 2019 15:51

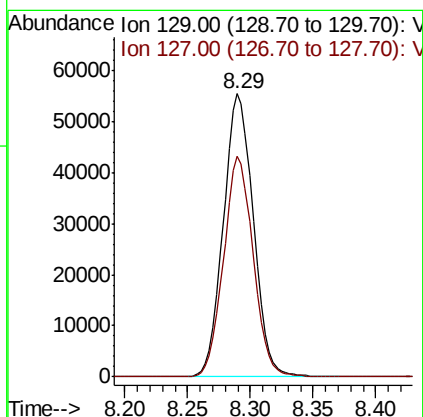
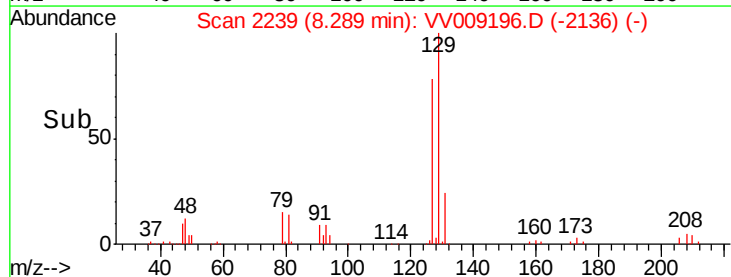
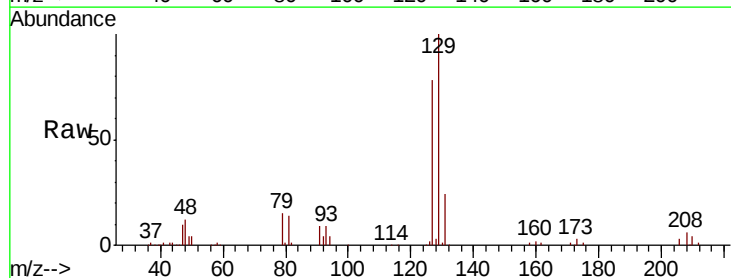
Instrument :
MSVOA_V
ClientSampled :
VICV61

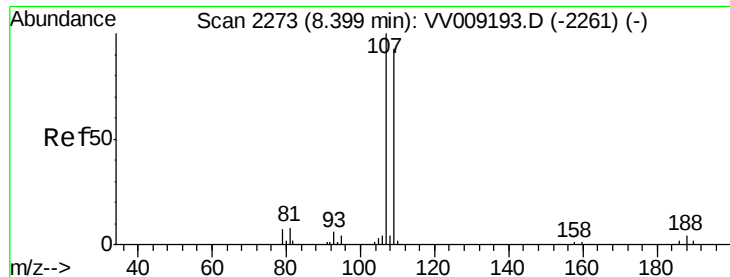
Tgt Ion: 43 Resp: 101800
Ion Ratio Lower Upper
43 100
58 60.6 48.4 72.6
57 20.9 15.6 23.4
100 15.5 12.4 18.6



#50
Dibromochloromethane
Concen: 27.859 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009196.D
Acq: 08 Jan 2019 15:51

Tgt Ion: 129 Resp: 91938
Ion Ratio Lower Upper
129 100
127 77.8 55.9 103.9





#51

1,2-Dibromoethane

Concen: 27.581 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

VICV61

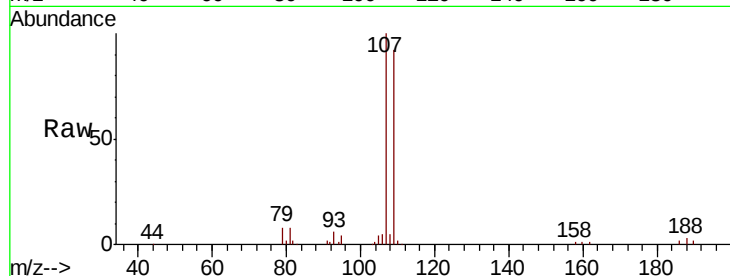
Tgt Ion:107 Resp: 76184

Ion Ratio Lower Upper

107 100

109 91.7 65.0 120.6

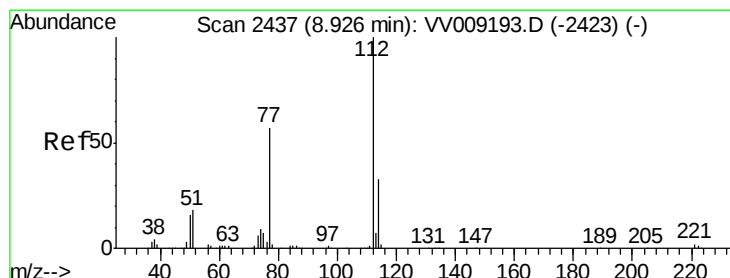
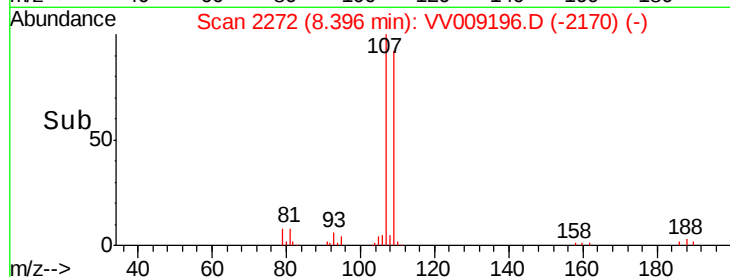
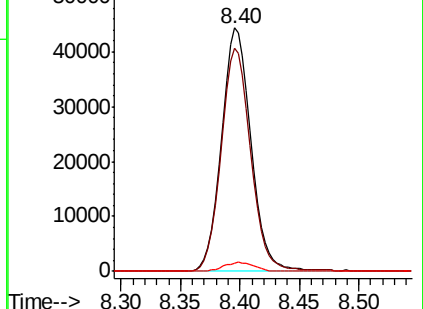
188 3.5 3.0 4.4



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: 26.485 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

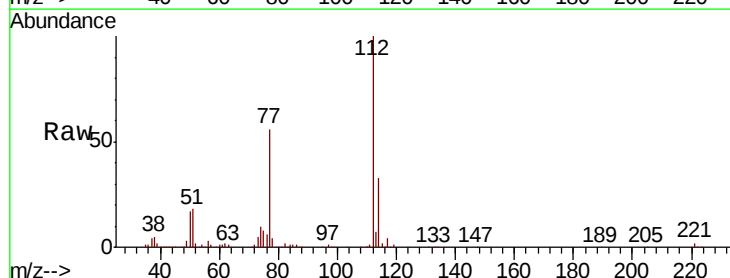
Tgt Ion:112 Resp: 249217

Ion Ratio Lower Upper

112 100

77 56.4 45.4 68.2

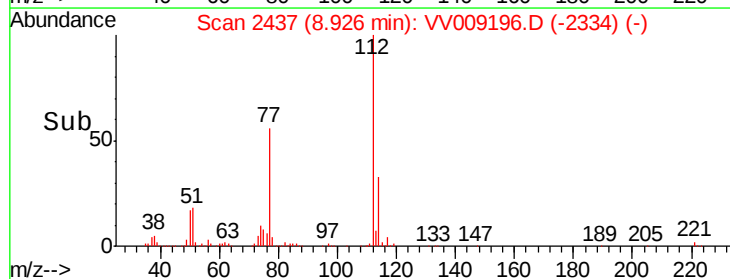
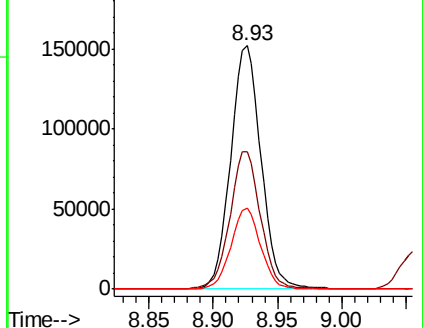
114 33.1 22.9 42.5

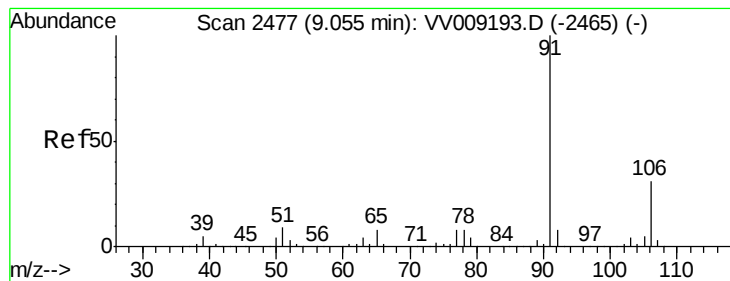


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 27.191 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

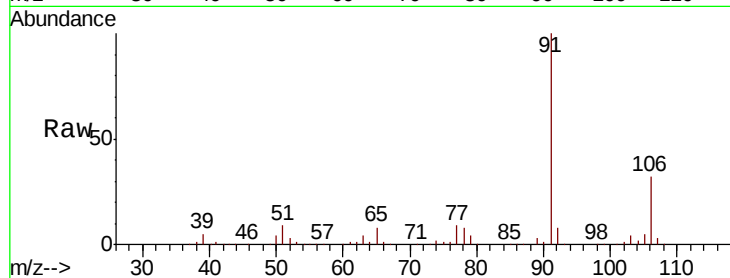
VICV61

Tgt Ion: 91 Resp: 420471

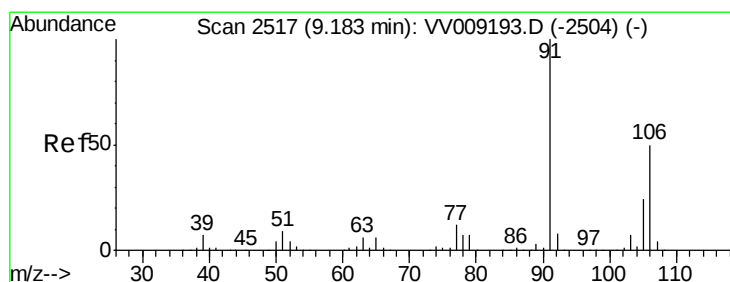
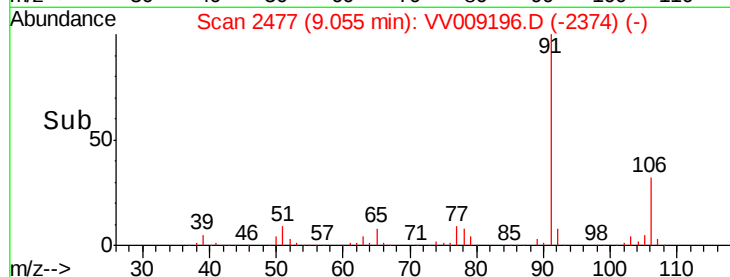
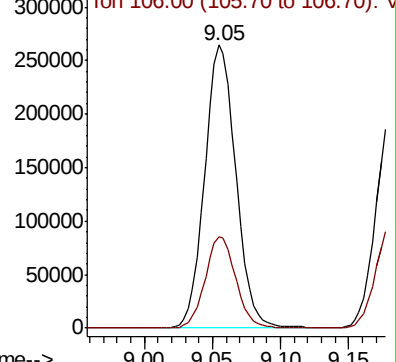
Ion Ratio Lower Upper

91 100

106 32.4 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV009196.D (-2374) (-)



#54

m,p-Xylene

Concen: 27.207 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV009196.D

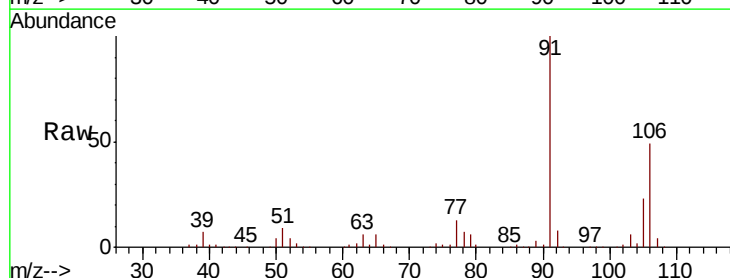
Acq: 08 Jan 2019 15:51

Tgt Ion: 106 Resp: 162535

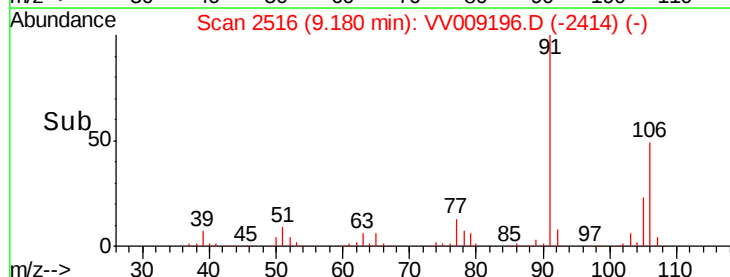
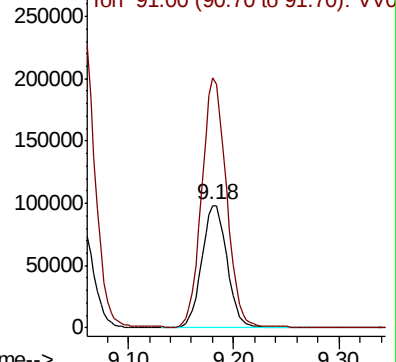
Ion Ratio Lower Upper

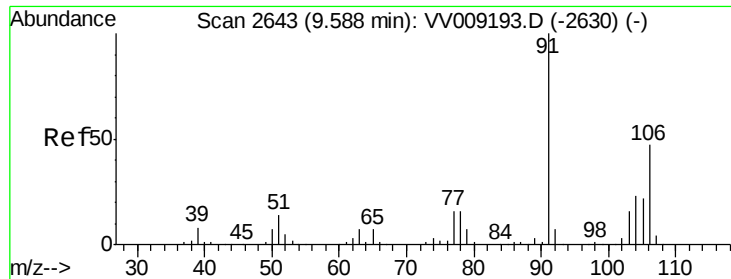
106 100

91 204.5 139.2 258.6



Abundance Ion 106.00 (105.70 to 106.70): VV009196.D (-2414) (-)





#55

o-xylene

Concen: 27.412 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

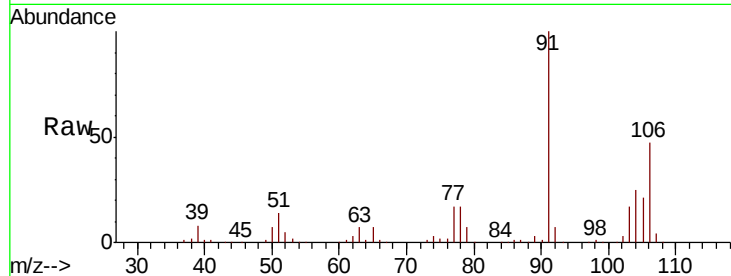
VICV61

Tgt Ion:106 Resp: 155774

Ion Ratio Lower Upper

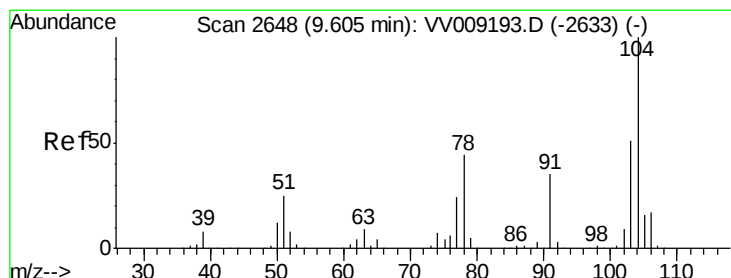
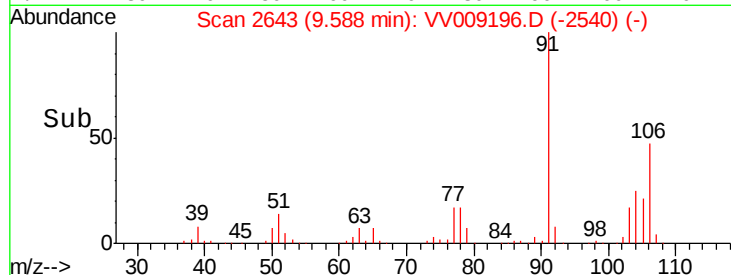
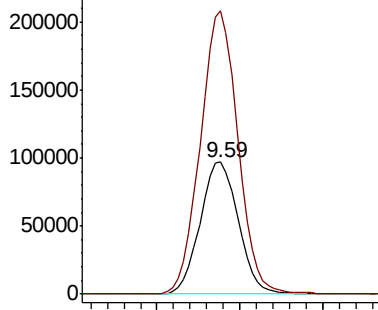
106 100

91 214.1 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 28.093 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009196.D

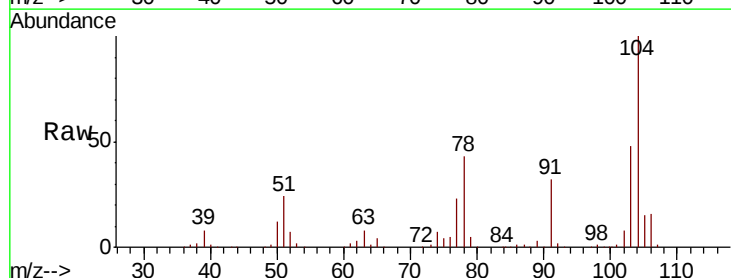
Acq: 08 Jan 2019 15:51

Tgt Ion:104 Resp: 265574

Ion Ratio Lower Upper

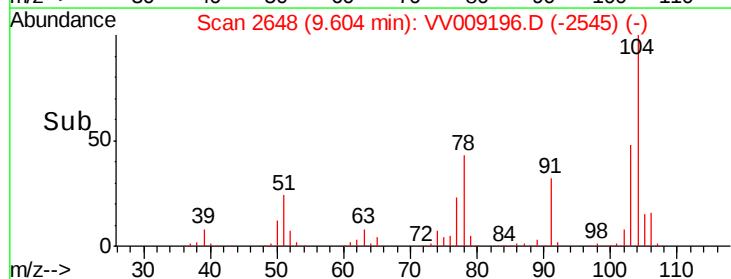
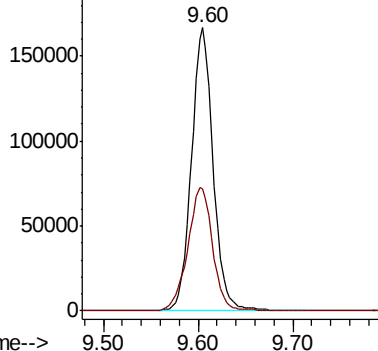
104 100

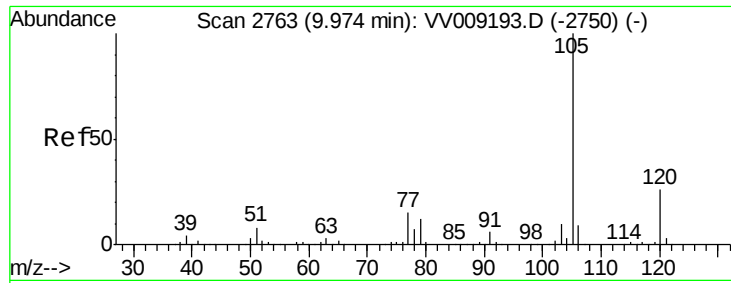
78 43.3 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 27.454 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

VICV61

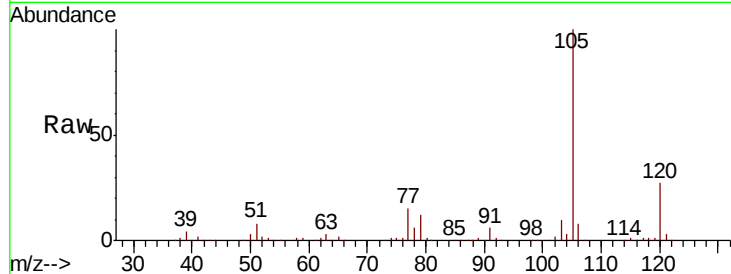
Tgt Ion: 105 Resp: 423808

Ion Ratio Lower Upper

105 100

120 26.9 21.2 31.8

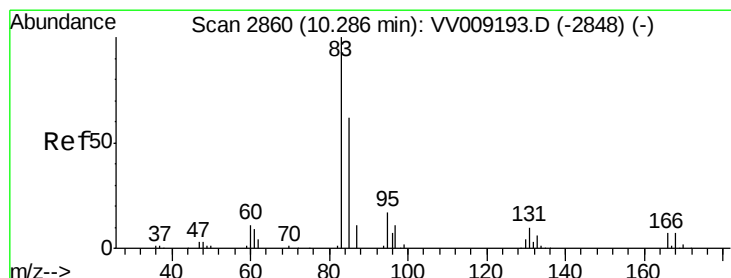
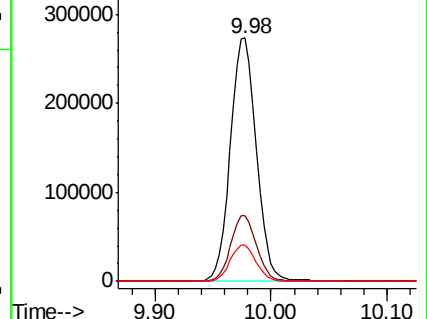
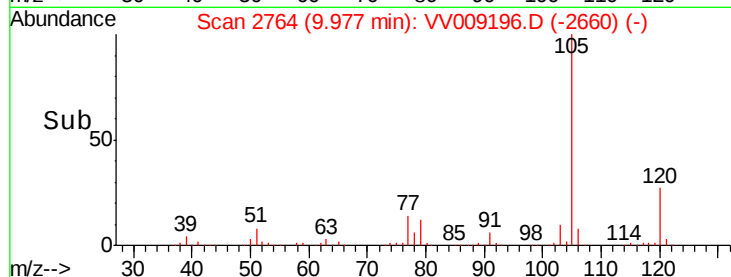
77 14.9 11.9 17.9



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: 27.993 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

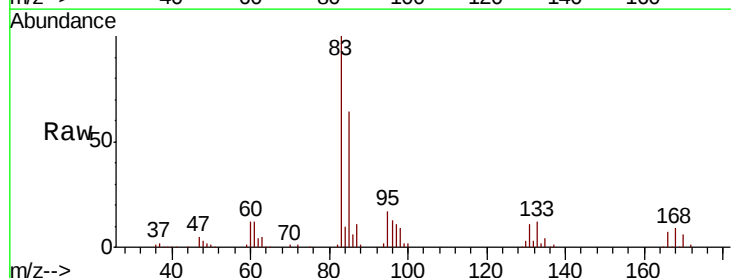
Tgt Ion: 83 Resp: 94574

Ion Ratio Lower Upper

83 100

85 63.5 43.7 81.1

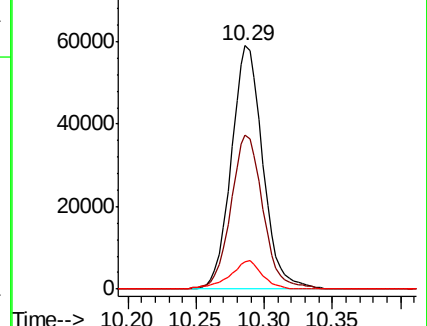
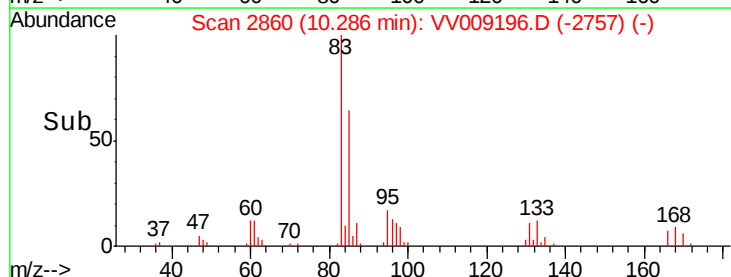
131 11.3 8.5 12.7

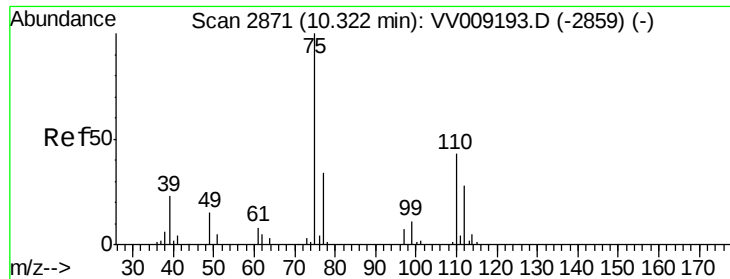


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.835 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

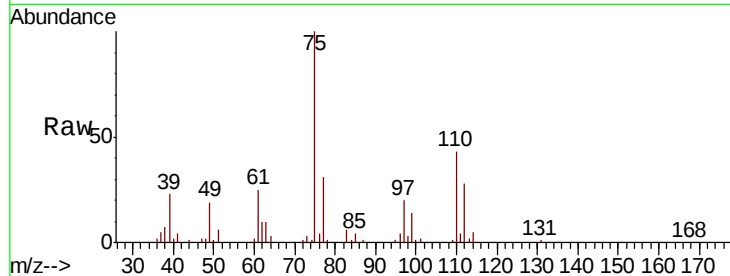
VICV61

Tgt Ion: 75 Resp: 71477

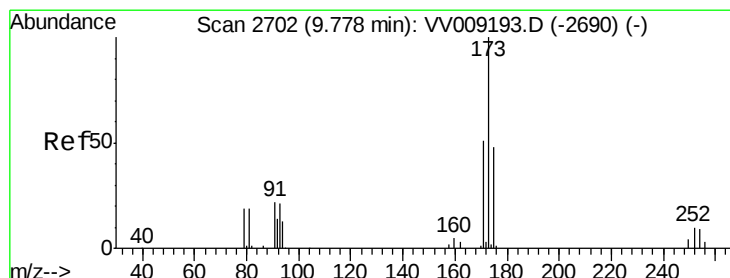
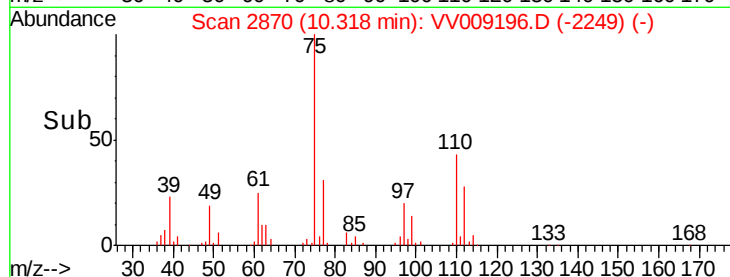
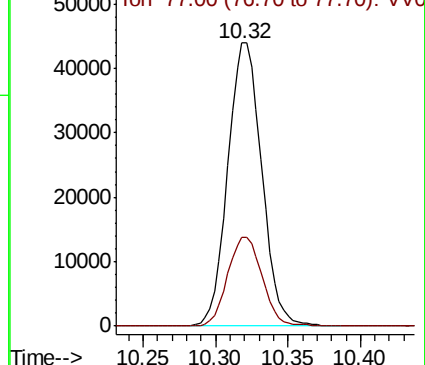
Ion Ratio Lower Upper

75 100

77 31.8 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV009193.D (-2859) (-)



#62

Bromoform

Concen: 27.194 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

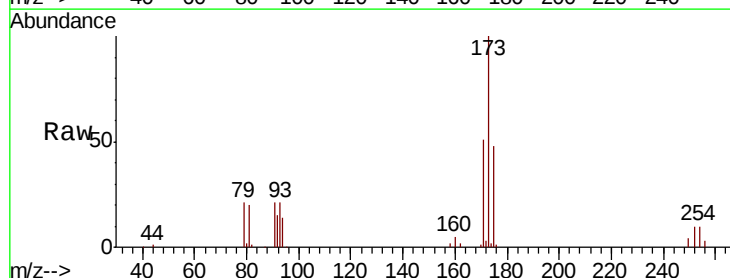
Tgt Ion: 173 Resp: 56823

Ion Ratio Lower Upper

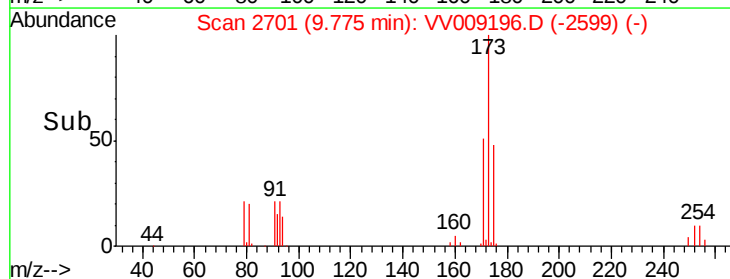
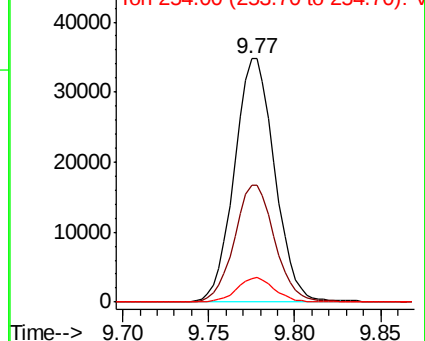
173 100

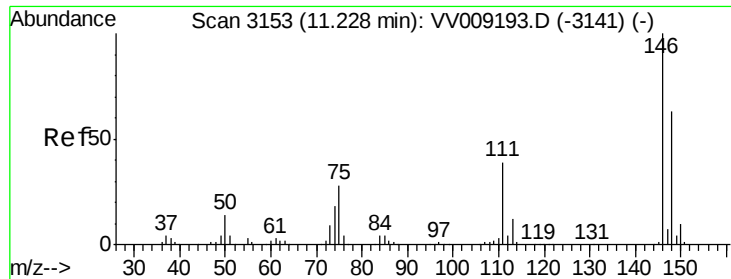
175 48.0 38.0 57.0

254 9.5 7.7 11.5



Abundance Ion 173.00 (172.70 to 173.70): VV009193.D (-2690) (-)

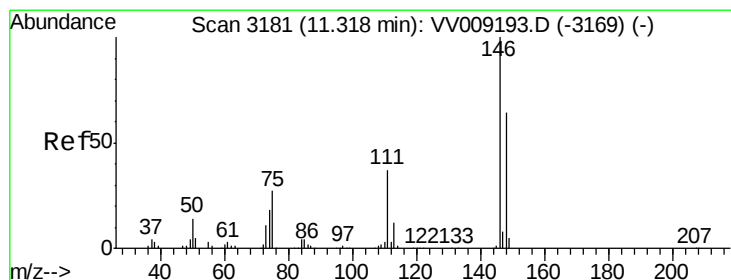
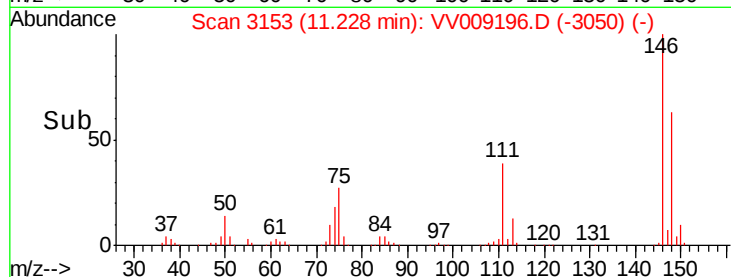
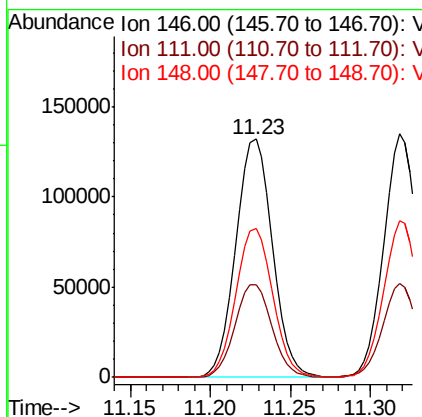
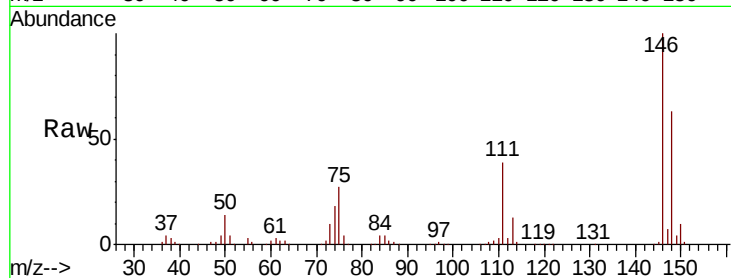




#63
 1,3-Dichlorobenzene
 Concen: 26.711 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

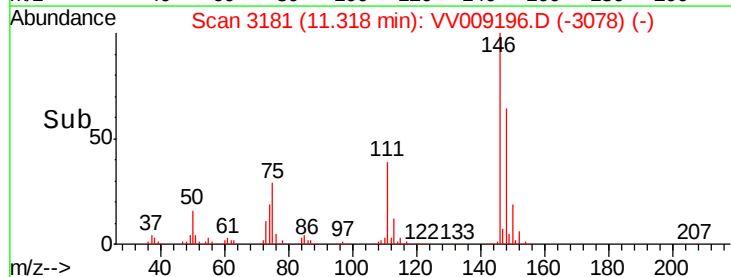
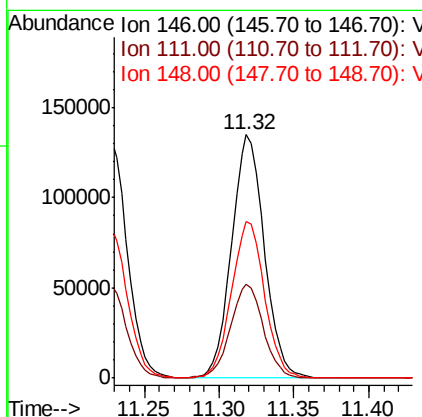
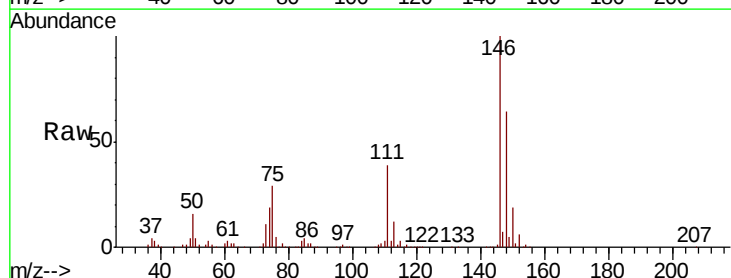
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

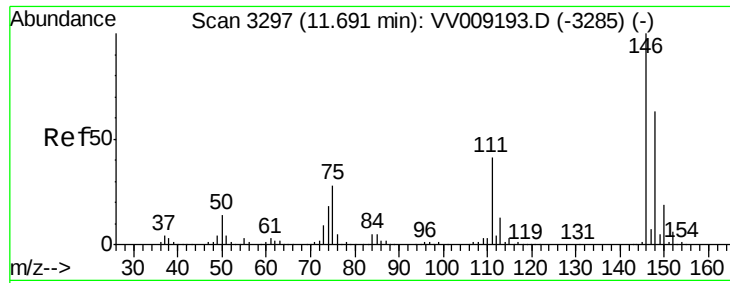
Tgt Ion:146 Resp: 206139
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.2 50.6
 148 62.6 43.8 81.4



#64
 1,4-Dichlorobenzene
 Concen: 26.069 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

Tgt Ion:146 Resp: 205013
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.4 49.0
 148 64.1 44.9 83.3

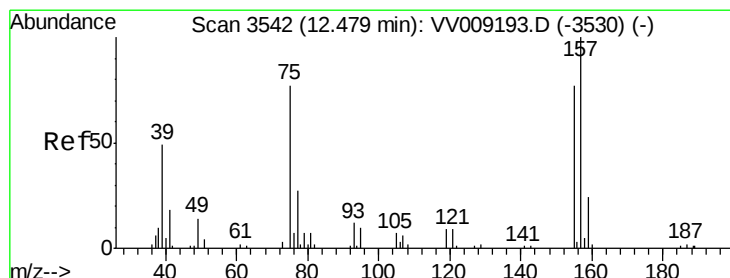
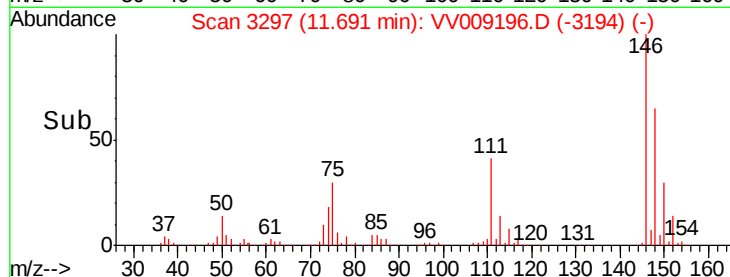
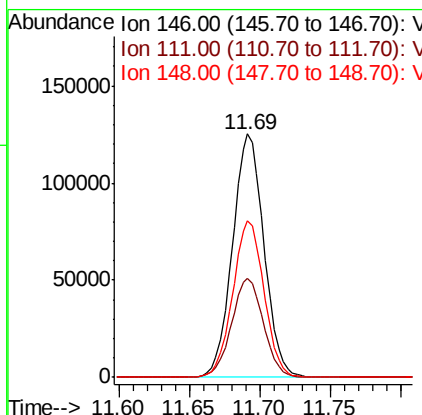
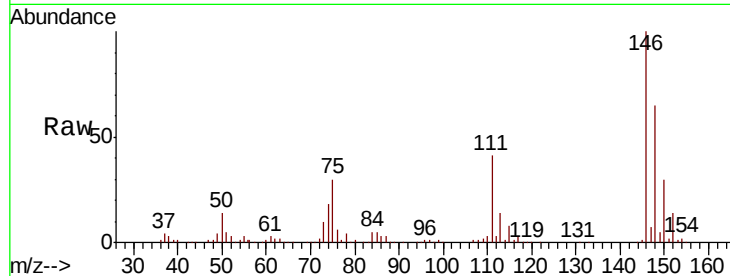




#65
 1,2-Dichlorobenzene
 Concen: 26.824 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

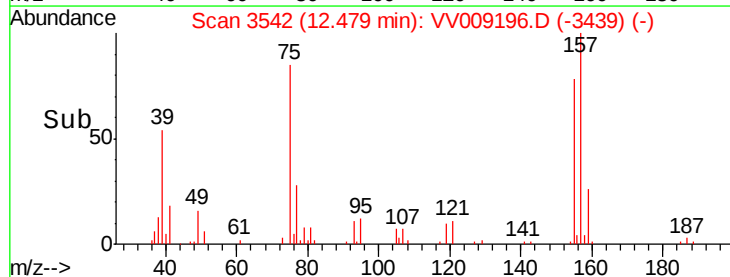
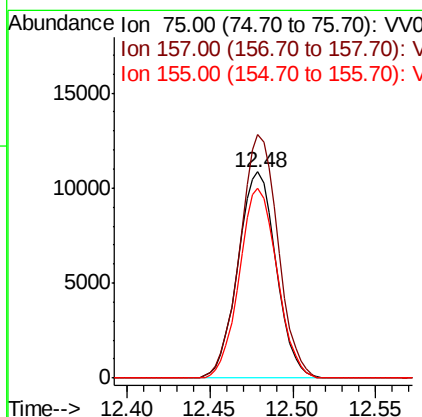
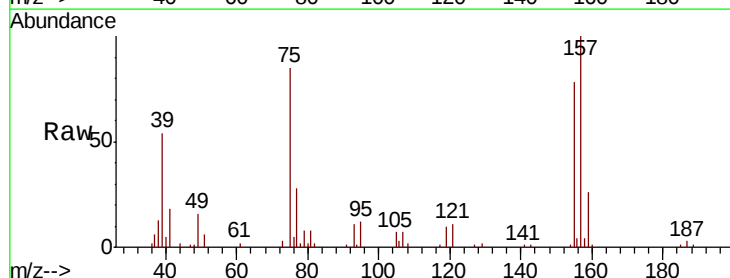
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

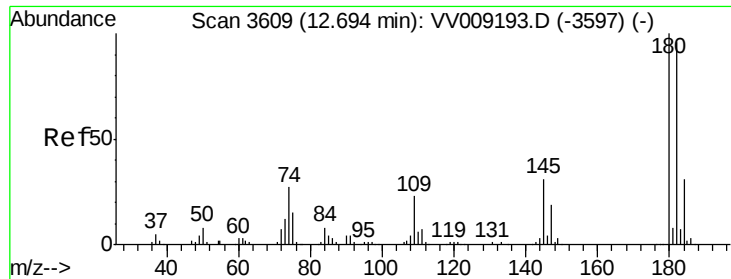
Tgt Ion:146 Resp: 195436
 Ion Ratio Lower Upper
 146 100
 111 40.7 33.0 49.4
 148 64.5 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.591 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

Tgt Ion: 75 Resp: 17372
 Ion Ratio Lower Upper
 75 100
 157 118.0 104.6 156.8
 155 92.4 80.1 120.1

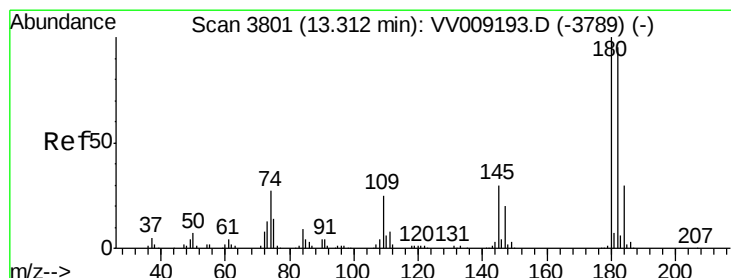
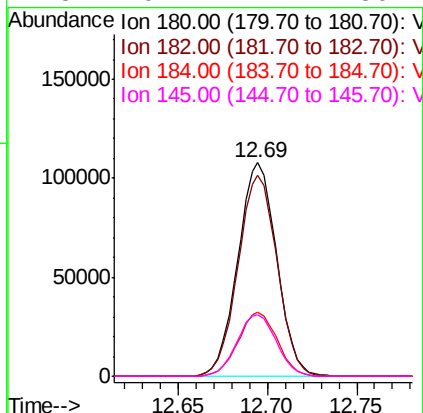
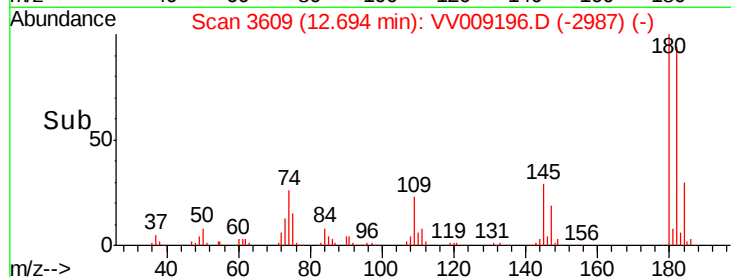
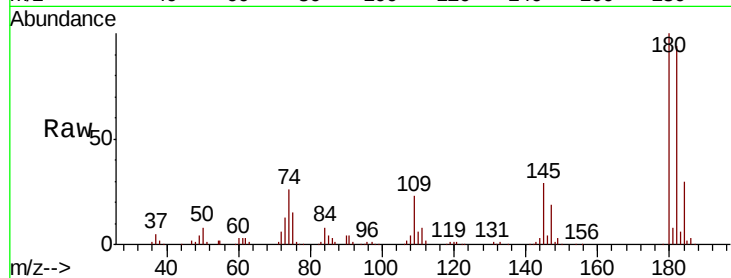




#67
 1,3,5-Trichlorobenzene
 Concen: 26.528 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

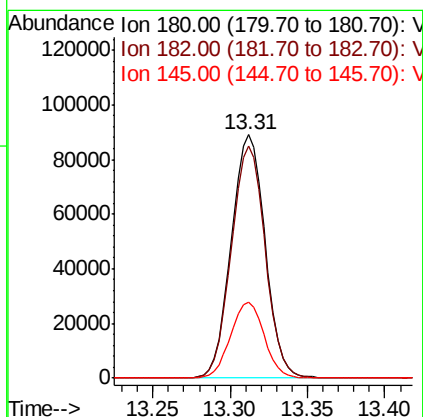
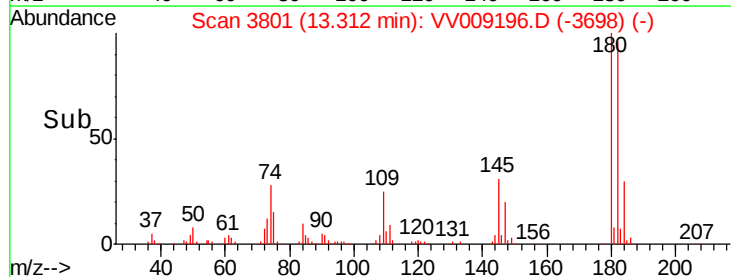
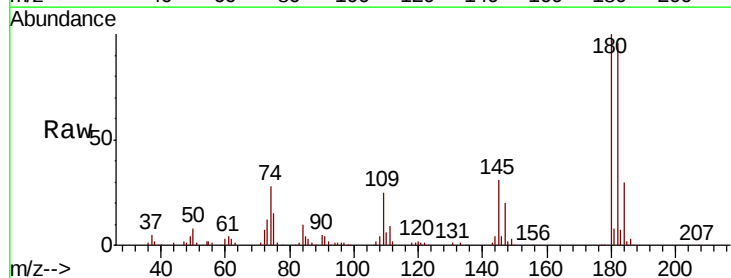
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

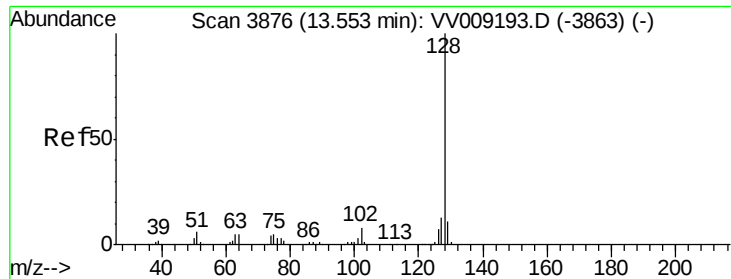
Tgt Ion:	180	Resp:	162990
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.4	114.6
184	30.1	24.5	36.7
145	29.4	24.2	36.2



#68
 1,2,4-trichlorobenzene
 Concen: 27.174 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009196.D
 Acq: 08 Jan 2019 15:51

Tgt Ion:	180	Resp:	135236
Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.7	113.5
145	31.0	24.5	36.7





#69

Naphthalene

Concen: 27.222 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

VICV61

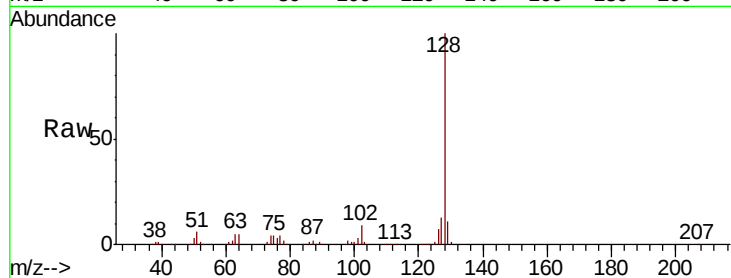
Tgt Ion:128 Resp: 260827

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

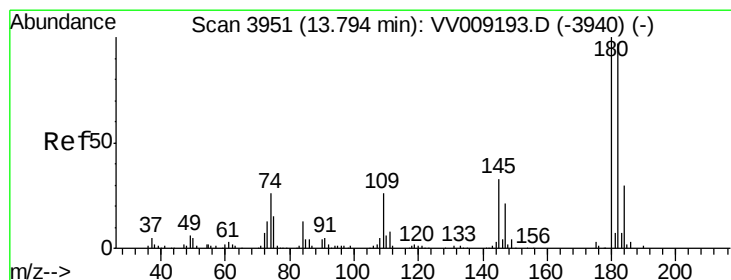
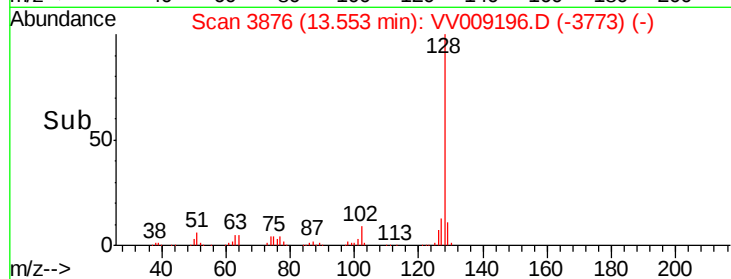
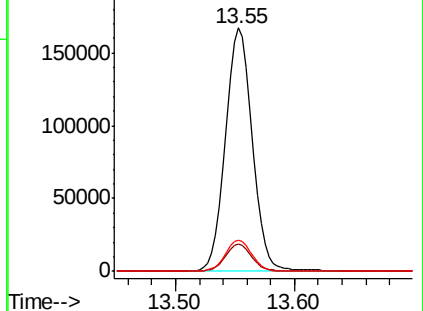
127 13.0 10.6 15.8



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: 27.372 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009196.D

Acq: 08 Jan 2019 15:51

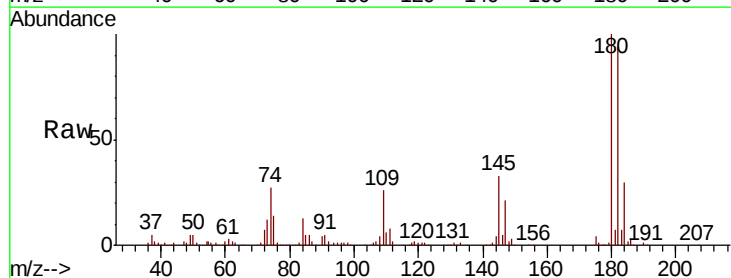
Tgt Ion:180 Resp: 124368

Ion Ratio Lower Upper

180 100

182 94.4 76.8 115.2

145 32.6 25.7 38.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

