

Data File : VV009636.D
Acq On : 13 Mar 2019 14:51
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV83

Quant Time: Mar 14 07:31:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM031319S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 13 15:21:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	155471	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	149329	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	68862	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48048	24.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.68%
7) Chloroethane-d5	1.57	69	47497	19.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.48%
10) 1,1-Dichloroethene-d2	2.13	63	127986	23.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.28%
20) 2-Butanone-d5	3.93	46	30293	58.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.36%
24) Chloroform-d	4.40	84	93949	23.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.08	65	55868	24.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.64%
29) Benzene-d6	5.10	84	199041	25.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.64%
33) 1,2-Dichloropropane-d6	6.12	67	57446	25.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.40%
37) Toluene-d8	7.36	98	194196	25.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.48%
38) trans-1,3-Dichloropropene-	7.66	79	26354	25.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.24%
39) 2-Hexanone-d5	8.13	63	23059	54.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.42%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57267	26.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	65363	24.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	55326	23.000 ug/L	99
3) Chloromethane	1.25	50	48033	22.413 ug/L	99
5) Vinyl chloride	1.32	62	53925	23.419 ug/L	97
6) Bromomethane	1.51	94	54933	21.556 ug/L	98
8) Chloroethane	1.59	64	37314	18.871 ug/L	97
9) Trichlorofluoromethane	1.76	101	111702	22.868 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	60306	22.704 ug/L	97
12) 1,1-Dichloroethene	2.13	96	52208	22.404 ug/L	91
13) Acetone	2.18	43	36747	58.540 ug/L	99
14) Carbon disulfide	2.31	76	135907	23.289 ug/L	99
15) Methyl Acetate	2.45	43	24033	26.241 ug/L	98
16) Methylene chloride	2.53	84	47825	21.131 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	114285	23.610 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	47954	23.609 ug/L	99
19) 1,1-Dichloroethane	3.23	63	81706	23.047 ug/L	96
21) 2-Butanone	4.01	43	39816	51.378 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	52511	23.070 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Wed Mar 13 15:21:49 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	24216	23.013	ug/L	94
25) Chloroform	4.42	83	95359	23.606	ug/L	98
27) 1,2-Dichloroethane	5.18	62	63213	22.663	ug/L	99
30) Cyclohexane	4.72	56	77711	23.035	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	82669	23.641	ug/L	98
32) Carbon tetrachloride	4.87	117	71143	24.010	ug/L	99
34) Benzene	5.14	78	195856	23.136	ug/L	100
35) Trichloroethene	5.96	95	55003	23.399	ug/L	98
36) Methylcyclohexane	6.18	83	88254	22.609	ug/L	97
40) 1,2-Dichloropropane	6.22	63	44976	21.868	ug/L	99
41) Bromodichloromethane	6.55	83	66574	23.525	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	78735	25.214	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	70376	50.039	ug/L	99
44) Toluene	7.43	91	221639	23.506	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	63391	23.507	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	39049	22.723	ug/L	100
47) Tetrachloroethene	8.02	164	42604	22.944	ug/L	98
49) 2-Hexanone	8.18	43	56325	53.325	ug/L	98
50) Dibromochloromethane	8.29	129	46884	24.056	ug/L	97
51) 1,2-Dibromoethane	8.40	107	41989	24.669	ug/L	98
52) Chlorobenzene	8.93	112	140850	22.957	ug/L	99
53) Ethylbenzene	9.06	91	246883	23.673	ug/L	98
54) m,p-Xylene	9.18	106	92097	23.395	ug/L	96
55) o-xylene	9.59	106	92230	23.872	ug/L	100
56) Styrene	9.60	104	148503	23.567	ug/L	98
57) Isopropylbenzene	9.98	105	242840	23.700	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	54533	24.474	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	39345	24.597	ug/L	99
62) Bromoform	9.78	173	25748	24.469	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	106701	23.746	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	104902	22.936	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	98091	23.463	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8134	26.280	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	73121	25.642	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	54167	24.420	ug/L	95
69) Naphthalene	13.55	128	92980	25.378	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	48923	23.984	ug/L	99

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

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VICV83

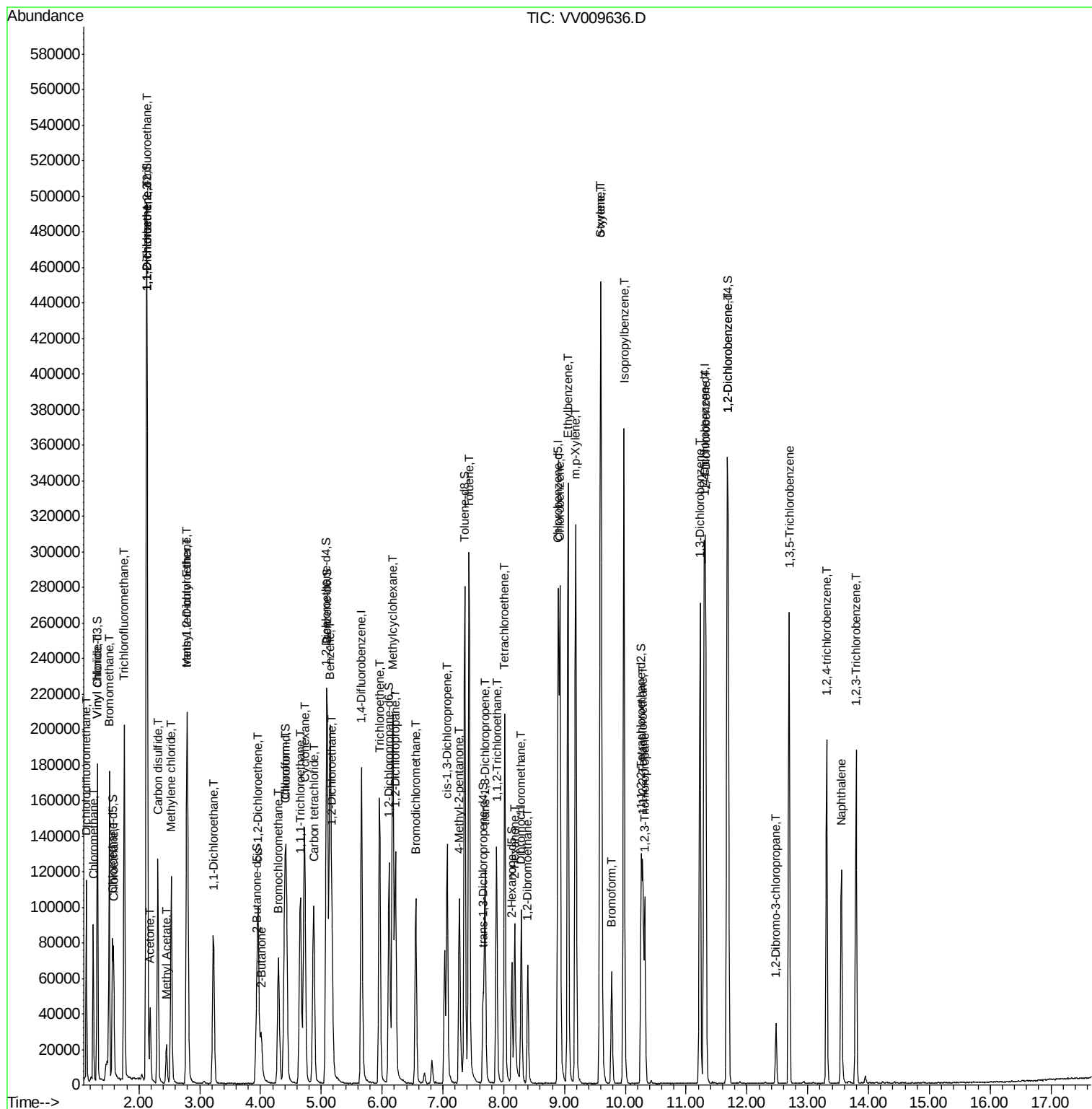
Quant Time: Mar 14 07:31:58 2019

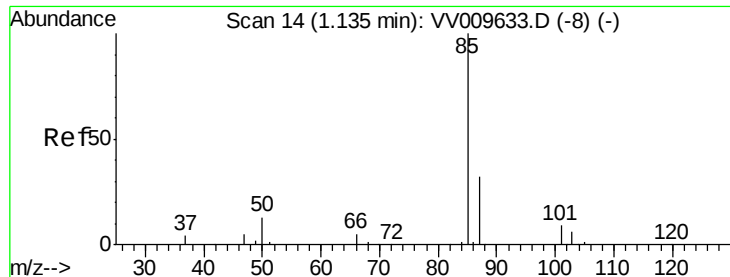
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM031319S.M

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 23.000 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampleId :

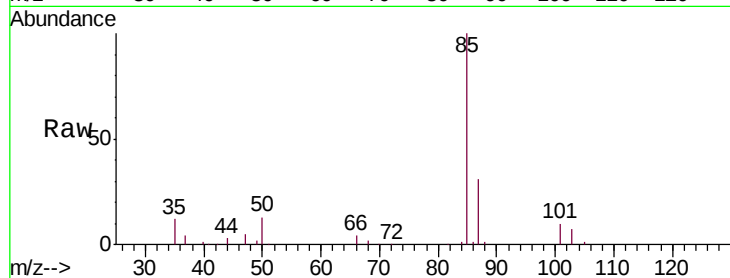
VICV83

Tgt Ion: 85 Resp: 55326

Ion Ratio Lower Upper

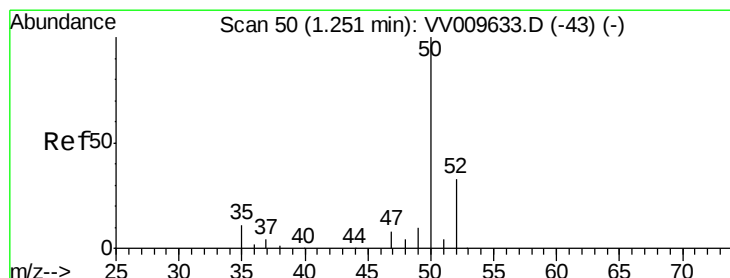
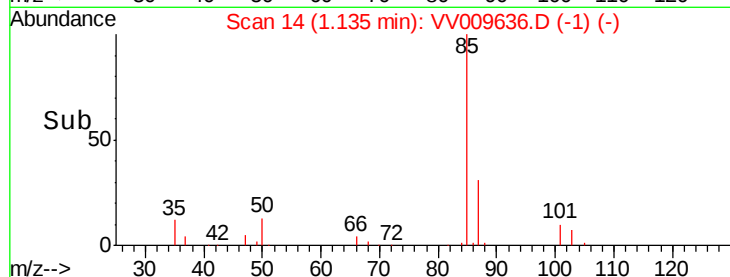
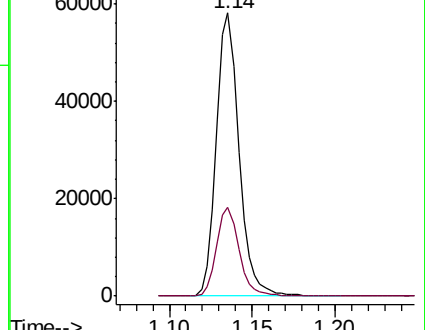
85 100

87 31.4 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VV009636.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009636.D (-8) (-)



#3

Chloromethane

Concen: 22.413 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009636.D

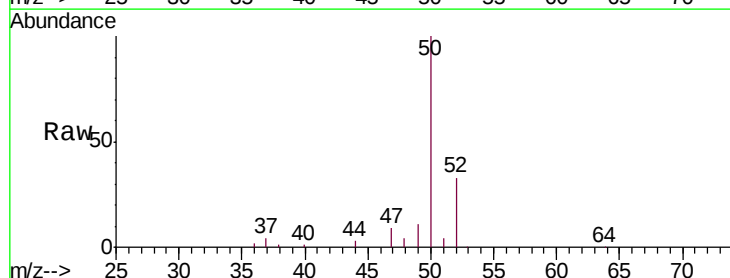
Acq: 13 Mar 2019 14:51

Tgt Ion: 50 Resp: 48033

Ion Ratio Lower Upper

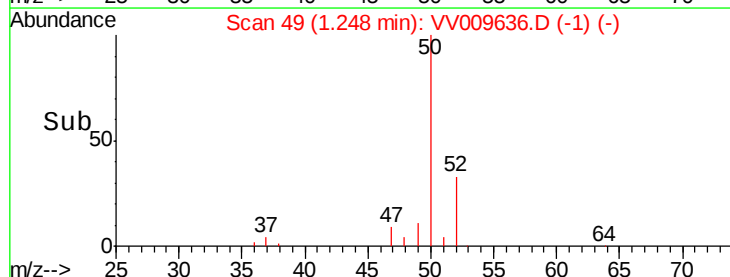
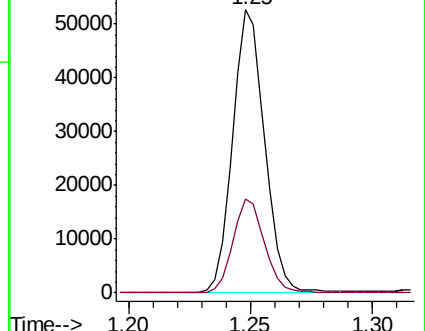
50 100

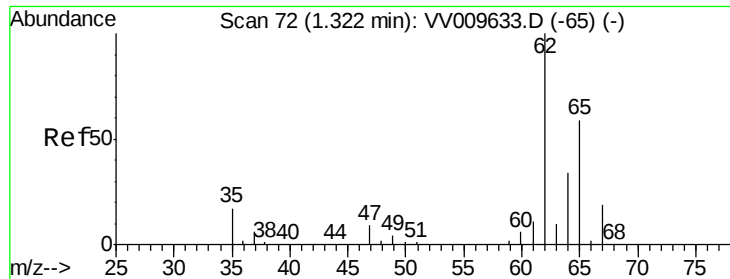
52 33.2 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV009636.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009636.D (-43) (-)





#5

Vinyl chloride

Concen: 23.419 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampleId :

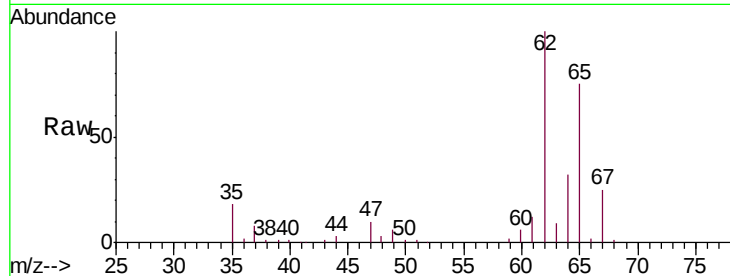
VICV83

Tgt Ion: 62 Resp: 53925

Ion Ratio Lower Upper

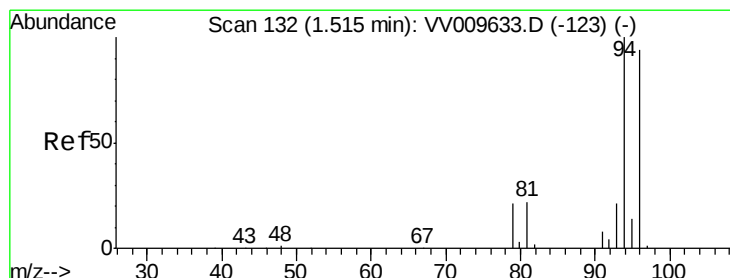
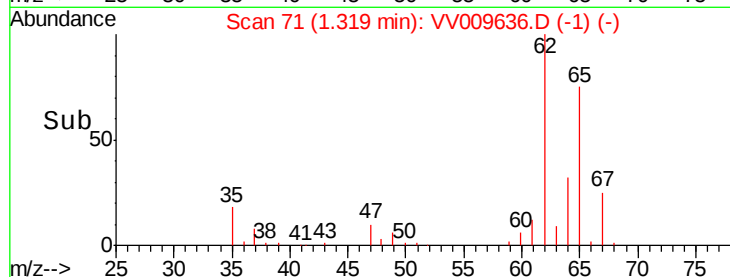
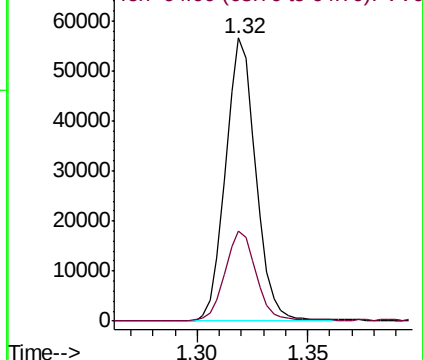
62 100

64 31.9 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 21.556 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV009636.D

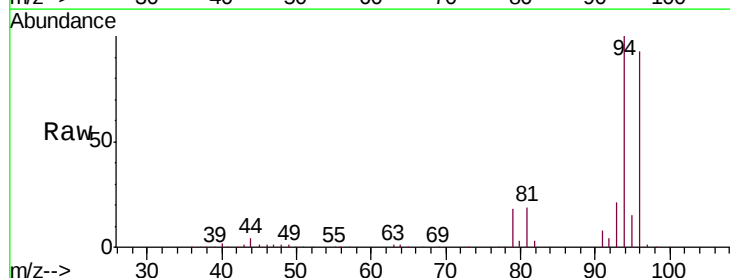
Acq: 13 Mar 2019 14:51

Tgt Ion: 94 Resp: 54933

Ion Ratio Lower Upper

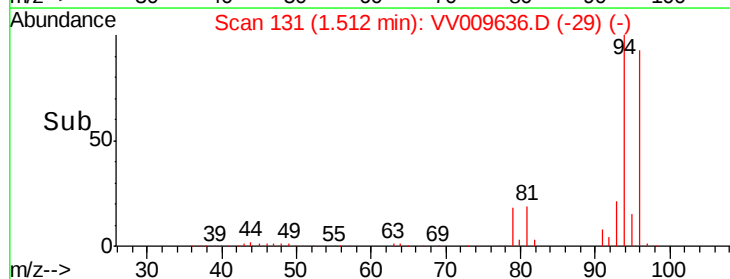
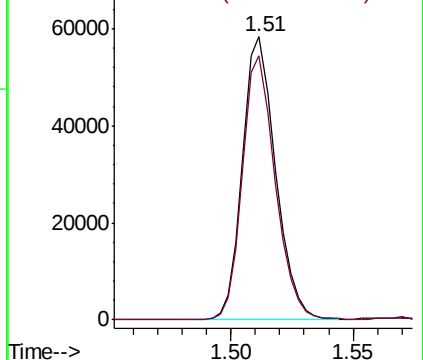
94 100

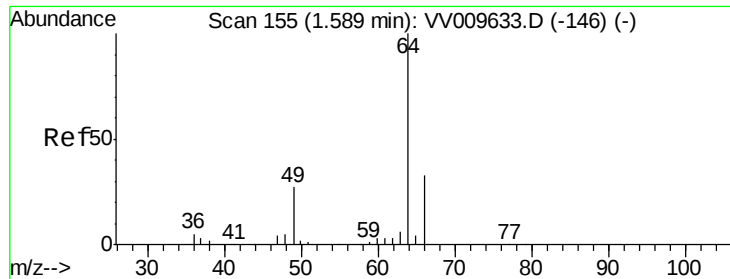
96 92.0 9.4 178.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 18.871 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampled :

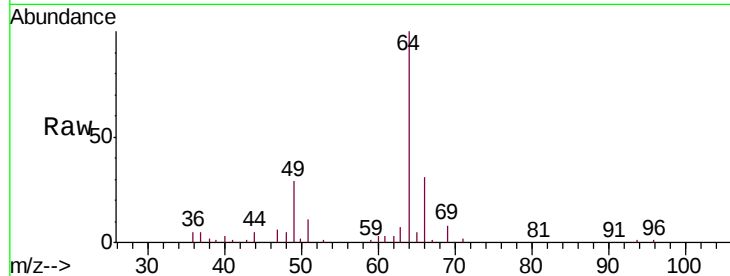
VICV83

Tgt Ion: 64 Resp: 37314

Ion Ratio Lower Upper

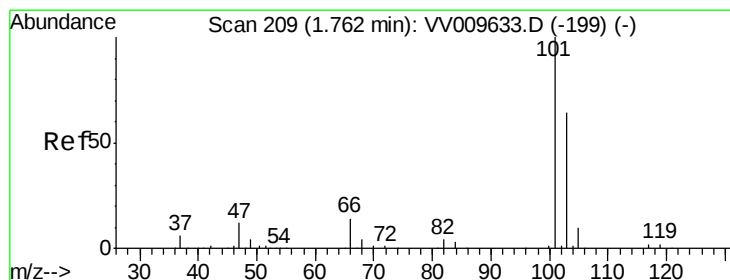
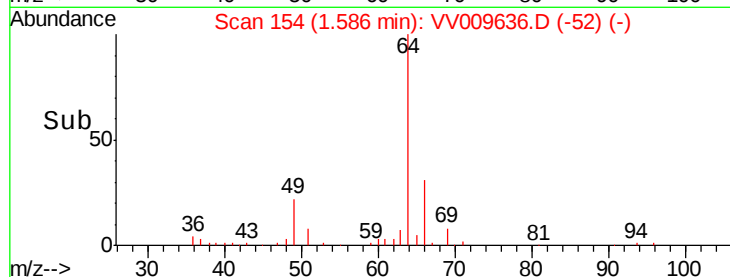
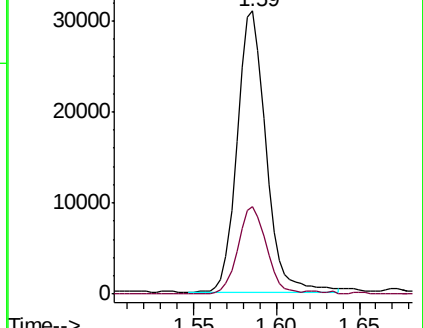
64 100

66 30.9 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV009636.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VV009636.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 22.868 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV009636.D

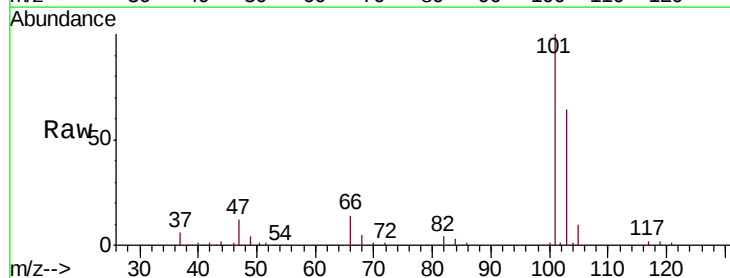
Acq: 13 Mar 2019 14:51

Tgt Ion: 101 Resp: 111702

Ion Ratio Lower Upper

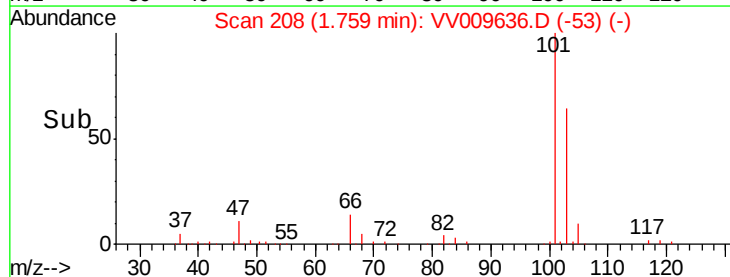
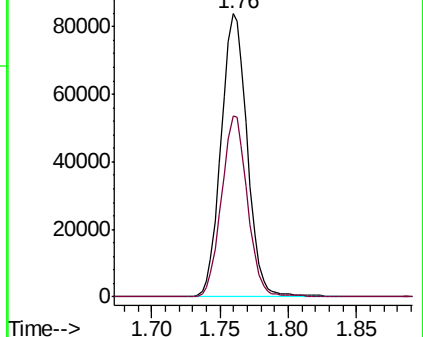
101 100

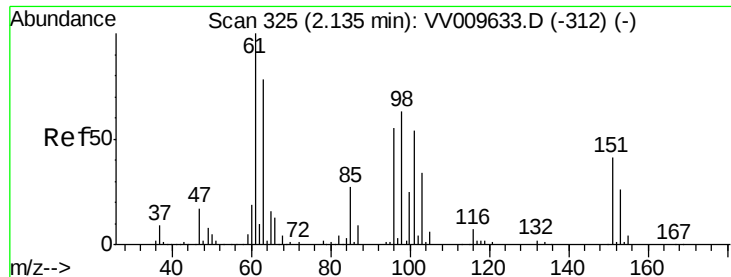
103 63.6 45.4 84.2



Abundance Ion 101.00 (100.70 to 101.70): VV009636.D (-208) (-)

Ion 103.00 (102.70 to 103.70): VV009636.D (-208) (-)





#11

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

Concen: 22.704 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampleId :

VICV83

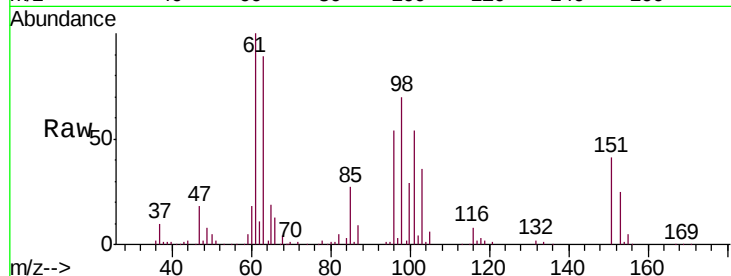
Tgt Ion: 101 Resp: 60306

Ion Ratio Lower Upper

101 100

85 49.7 38.7 58.1

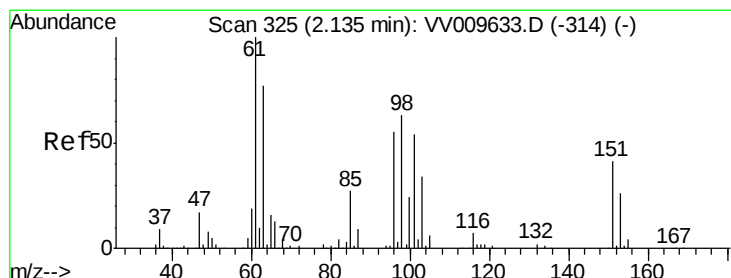
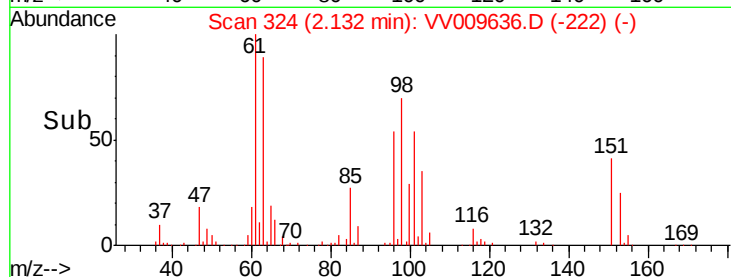
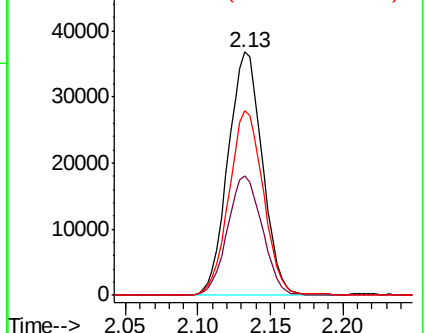
151 76.0 58.5 87.7



Abundance Ion 101.00 (100.70 to 101.70): VV009636.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV009636.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV009636.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 22.404 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

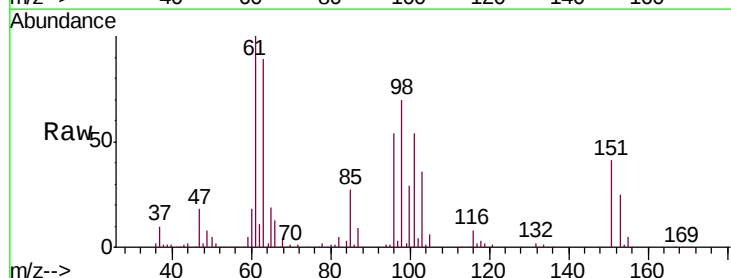
Tgt Ion: 96 Resp: 52208

Ion Ratio Lower Upper

96 100

61 185.5 128.4 238.5

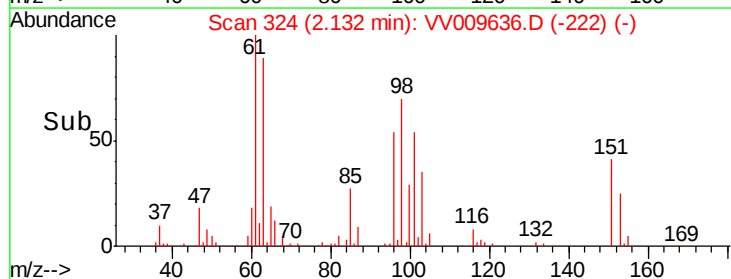
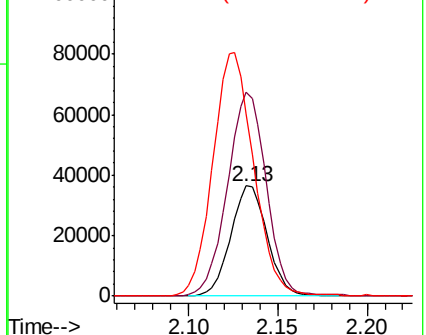
63 165.6 100.7 186.9

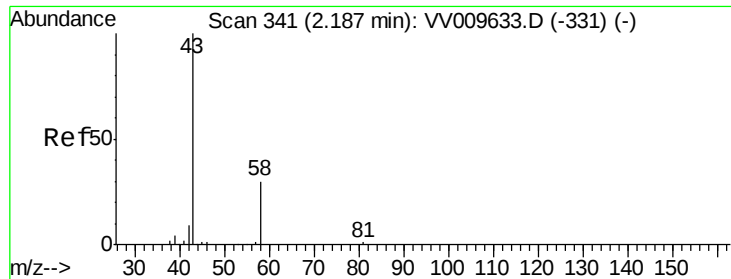


Abundance Ion 96.00 (95.70 to 96.70): VV009636.D (-222) (-)

Ion 61.00 (60.70 to 61.70): VV009636.D (-222) (-)

Ion 63.00 (62.70 to 63.70): VV009636.D (-222) (-)





#13

Acetone

Concen: 58.540 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampleId :

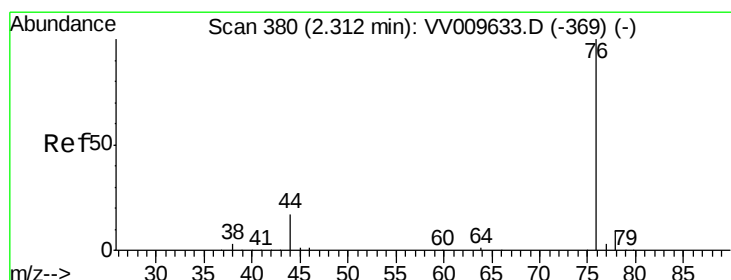
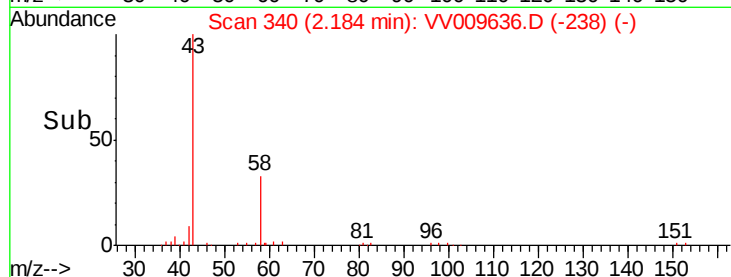
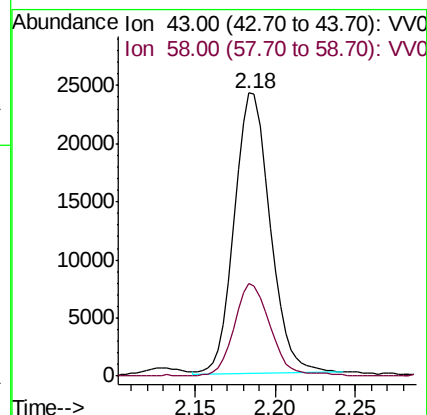
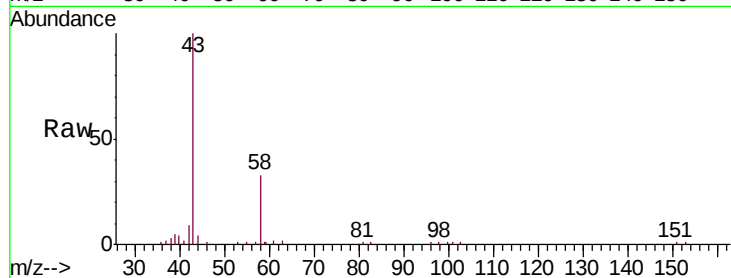
VICV83

Tgt Ion: 43 Resp: 36747

Ion Ratio Lower Upper

43 100

58 33.0 0.0 64.8



#14

Carbon disulfide

Concen: 23.289 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV009636.D

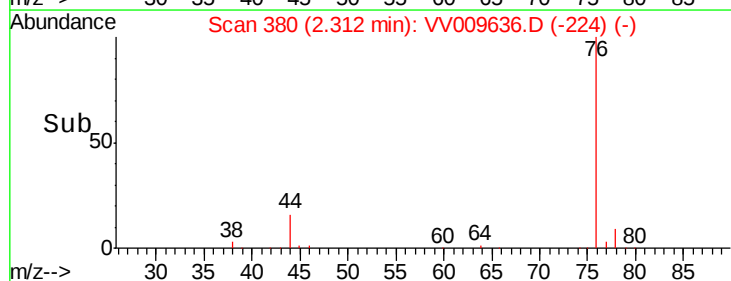
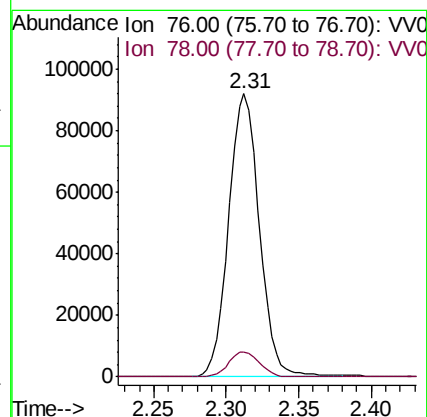
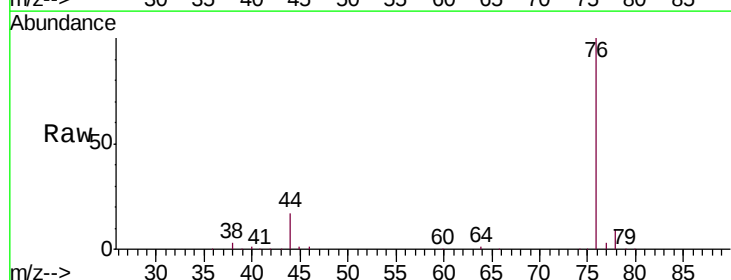
Acq: 13 Mar 2019 14:51

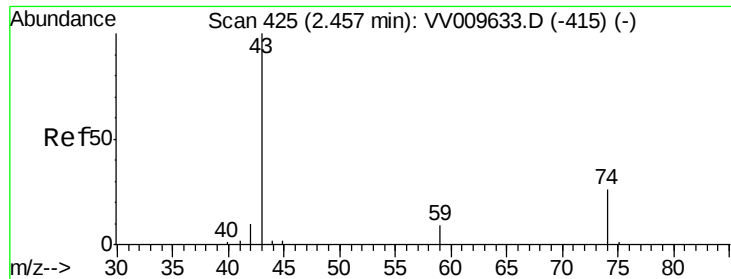
Tgt Ion: 76 Resp: 135907

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

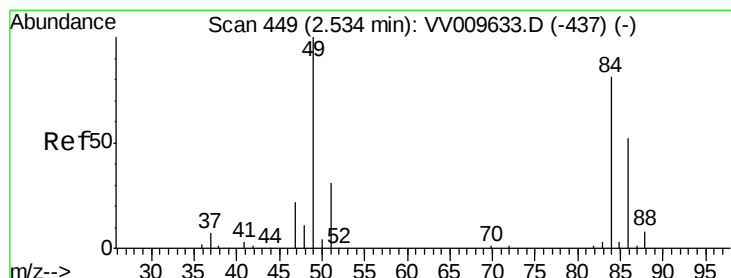
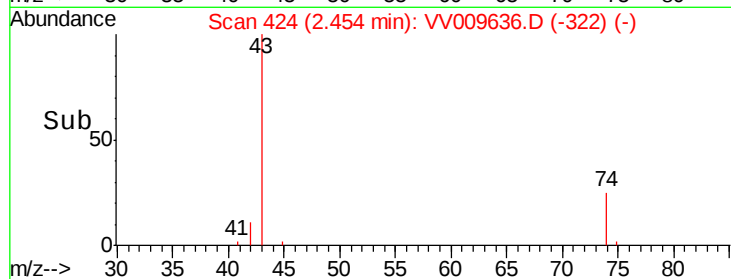
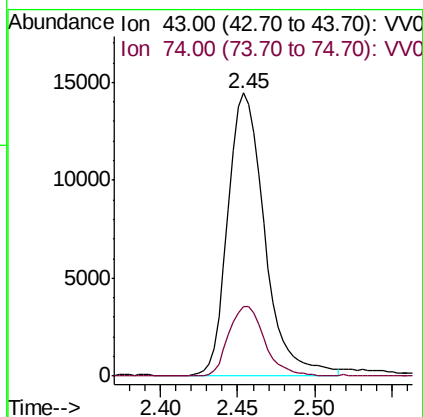
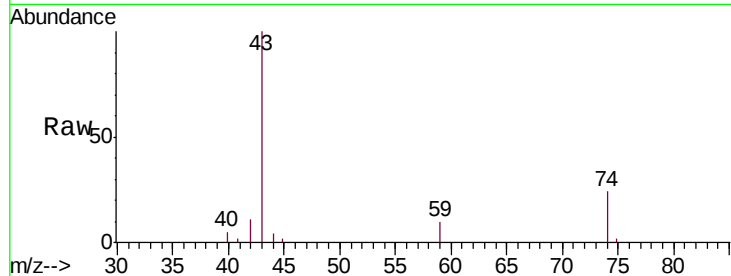




#15
Methyl Acetate
Concen: 26.241 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV009636.D
Acq: 13 Mar 2019 14:51

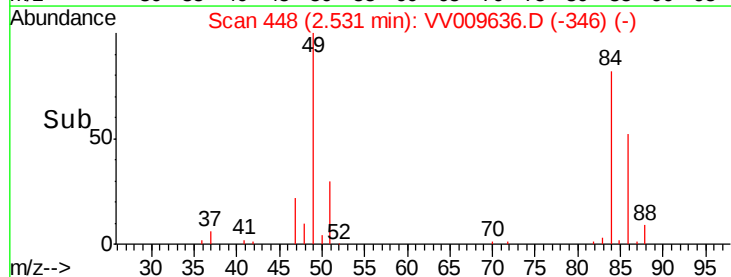
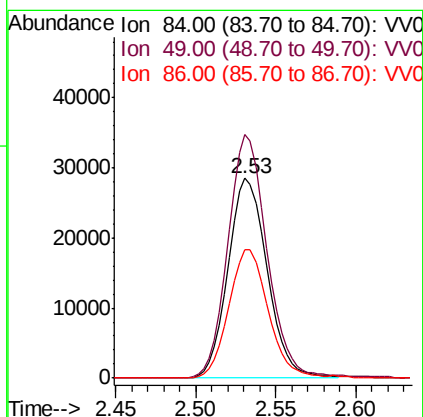
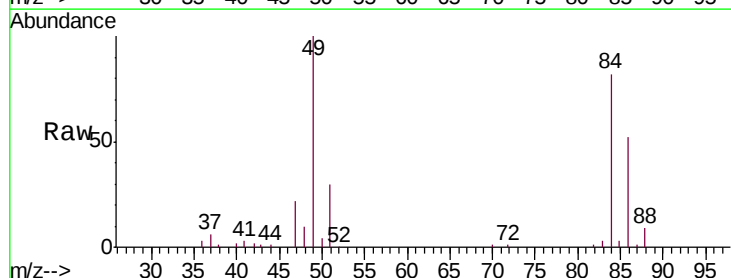
Instrument :
MSVOA_V
ClientSampleId :
VICV83

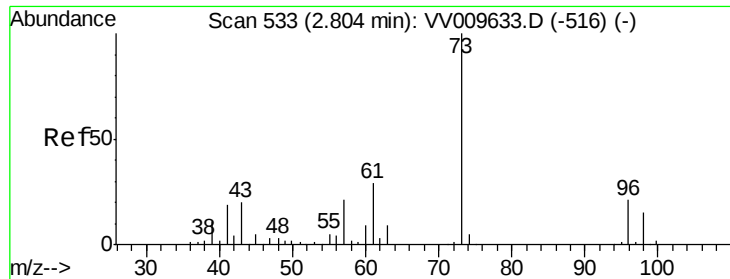
Tgt Ion: 43 Resp: 24033
Ion Ratio Lower Upper
43 100
74 23.8 19.8 29.6



#16
Methylene chloride
Concen: 21.131 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV009636.D
Acq: 13 Mar 2019 14:51

Tgt Ion: 84 Resp: 47825
Ion Ratio Lower Upper
84 100
49 121.9 86.1 159.9
86 64.0 45.2 84.0

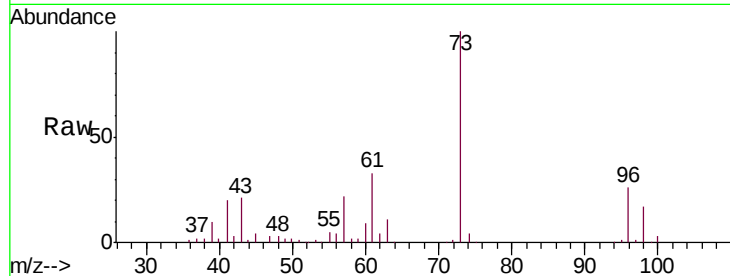




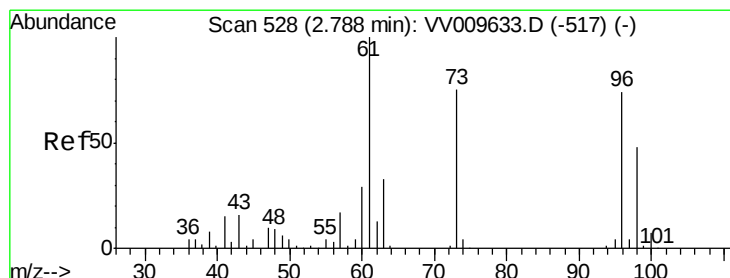
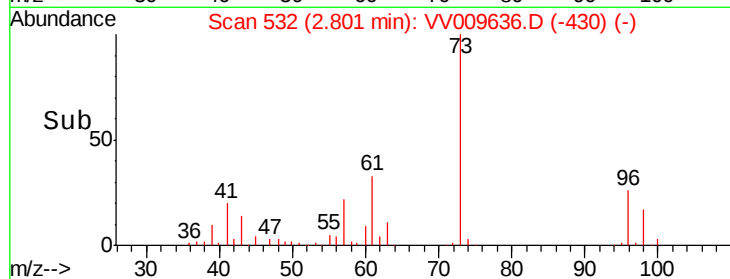
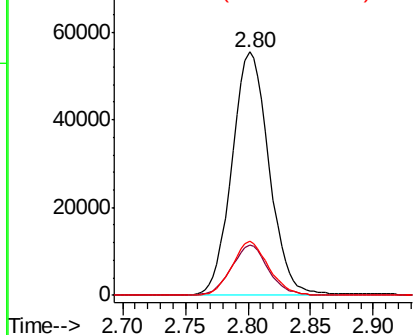
#17
Methyl tert-butyl Ether
Concen: 23.610 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV009636.D
Acq: 13 Mar 2019 14:51

Instrument :
MSVOA_V
ClientSampled :
VICV83

Tgt Ion: 73 Resp: 114285
Ion Ratio Lower Upper
73 100
43 20.7 16.3 24.5
57 21.9 16.7 25.1

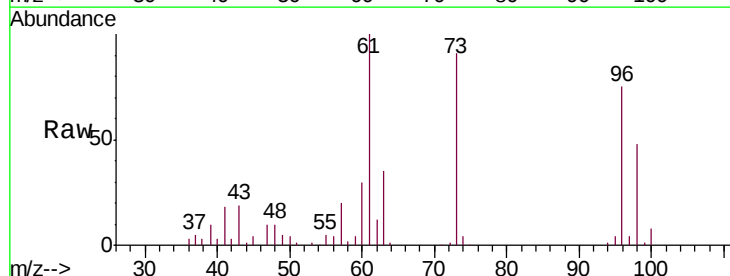


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

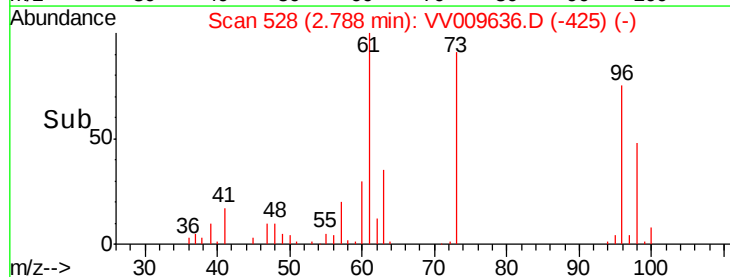
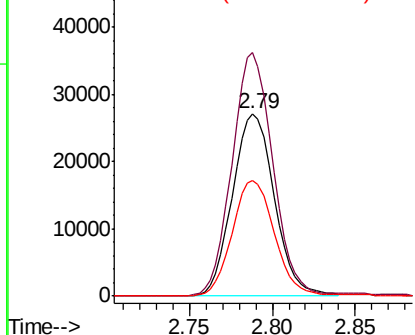


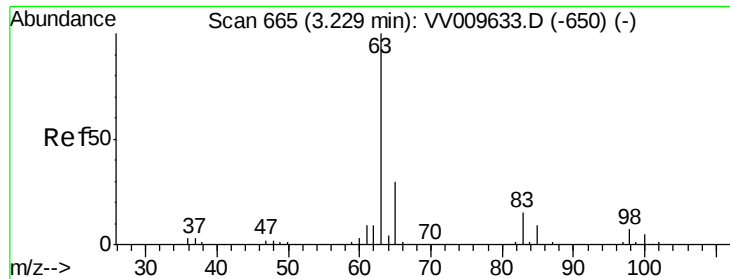
#18
trans-1,2-Dichloroethene
Concen: 23.609 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV009636.D
Acq: 13 Mar 2019 14:51

Tgt Ion: 96 Resp: 47954
Ion Ratio Lower Upper
96 100
61 133.6 94.4 175.2
98 63.5 45.4 84.4



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

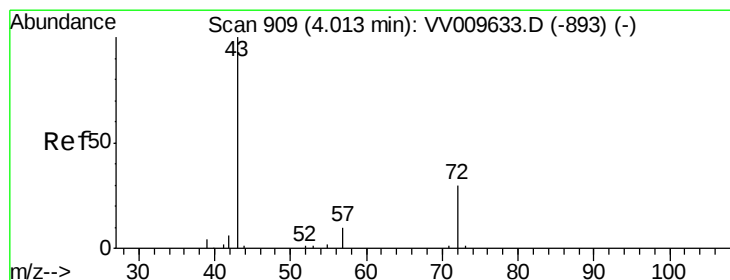
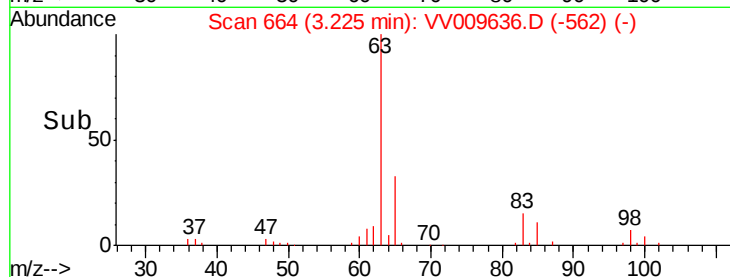
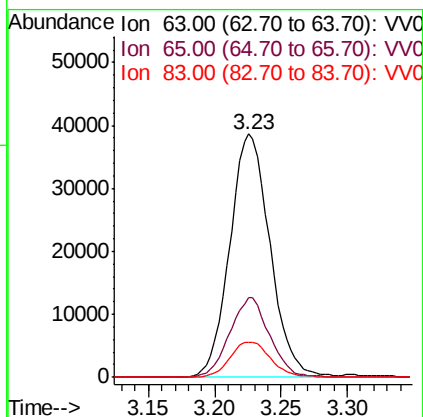
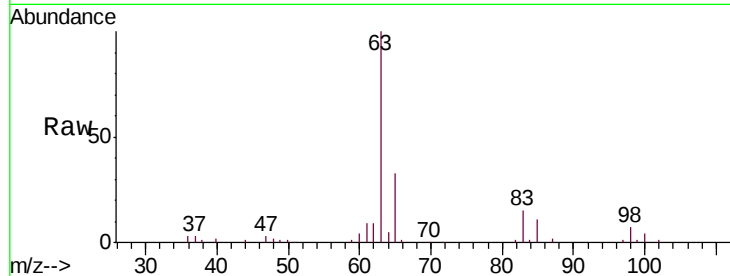




#19
 1,1-Dichloroethane
 Concen: 23.047 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV009636.D
 Acq: 13 Mar 2019 14:51

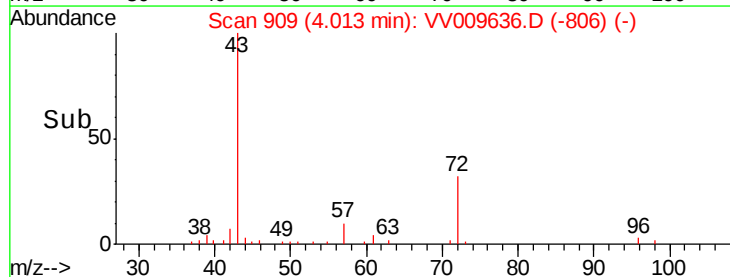
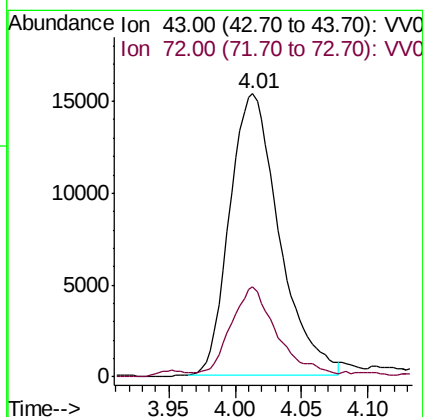
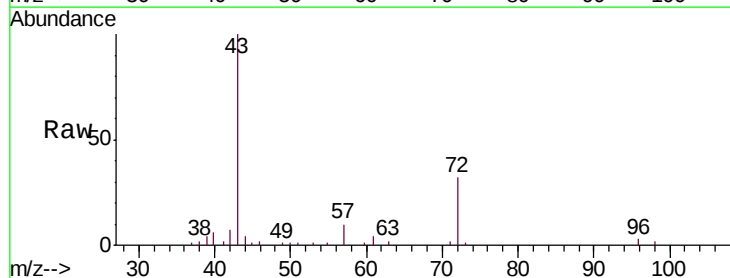
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV83

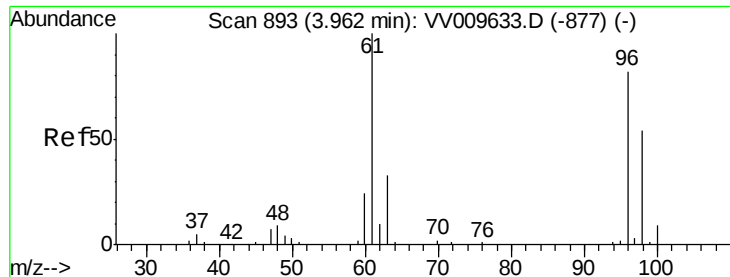
Tgt Ion: 63 Resp: 81706
 Ion Ratio Lower Upper
 63 100
 65 32.5 20.9 38.9
 83 14.5 10.4 19.4



#21
 2-Butanone
 Concen: 51.378 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: VV009636.D
 Acq: 13 Mar 2019 14:51

Tgt Ion: 43 Resp: 39816
 Ion Ratio Lower Upper
 43 100
 72 26.0 14.5 43.5

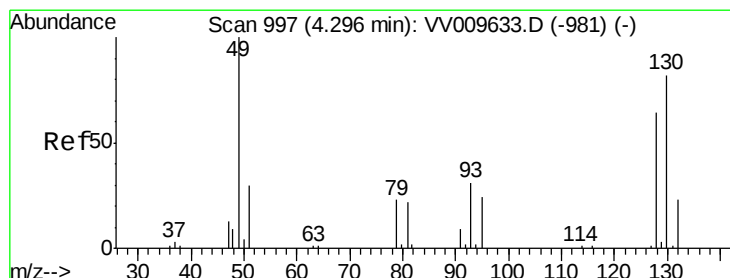
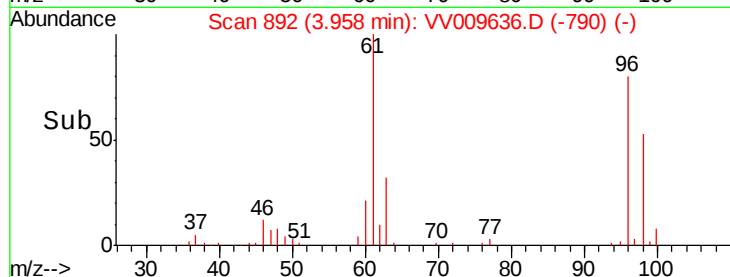
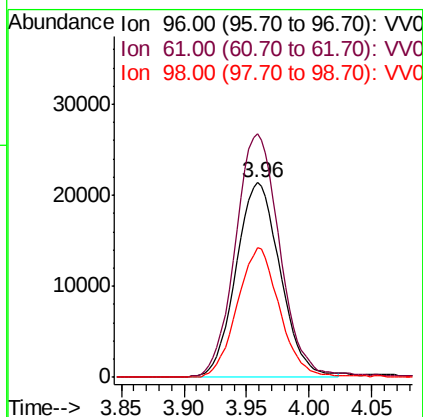
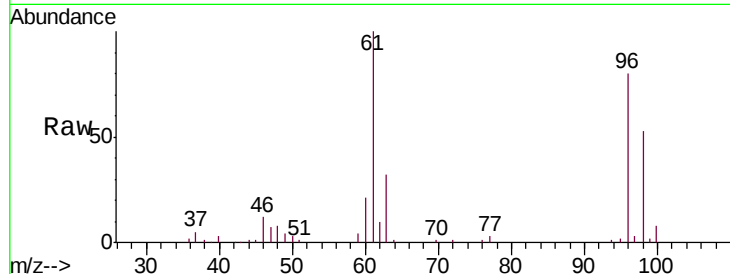




#22
 cis-1,2-Dichloroethene
 Concen: 23.070 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV009636.D
 Acq: 13 Mar 2019 14:51

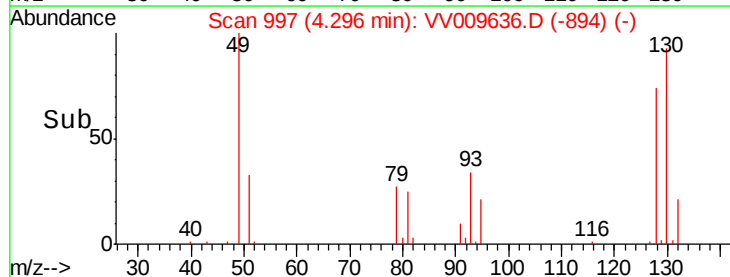
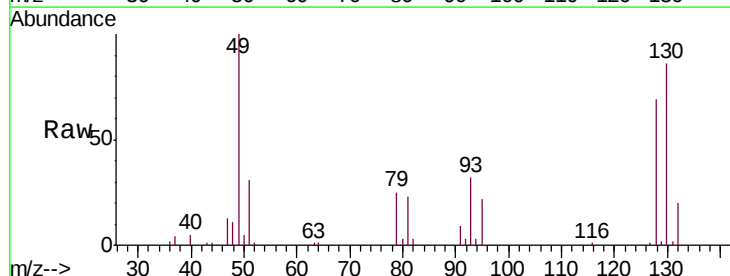
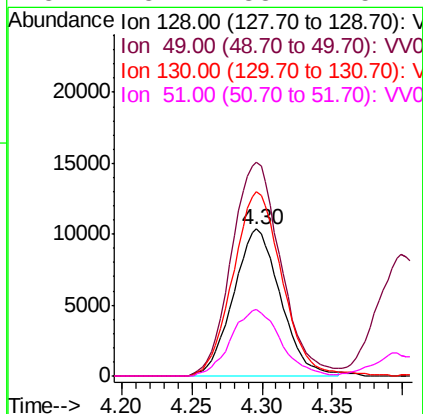
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV83

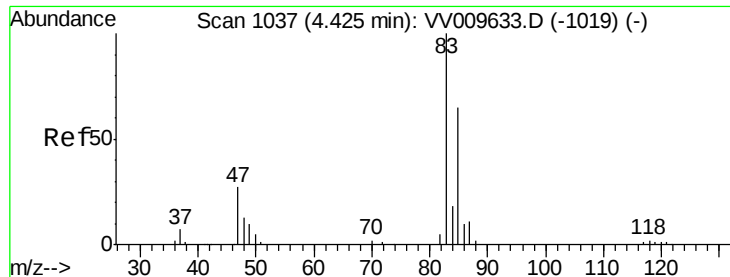
Tgt Ion: 96 Resp: 52511
 Ion Ratio Lower Upper
 96 100
 61 125.1 86.2 160.0
 98 66.3 46.5 86.3



#23
 Bromochloromethane
 Concen: 23.013 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV009636.D
 Acq: 13 Mar 2019 14:51

Tgt Ion: 128 Resp: 24216
 Ion Ratio Lower Upper
 128 100
 49 145.4 110.0 204.2
 130 125.1 90.4 168.0
 51 45.1 38.1 57.1

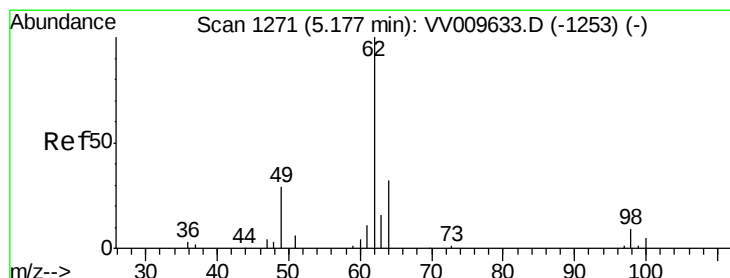
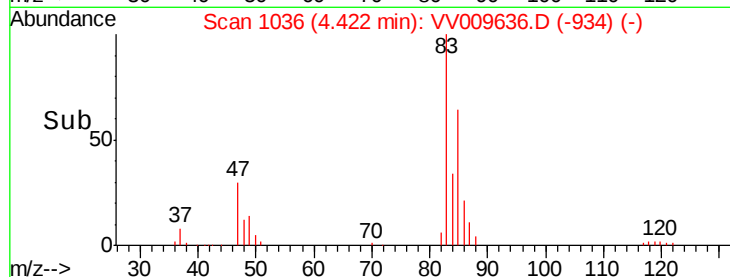
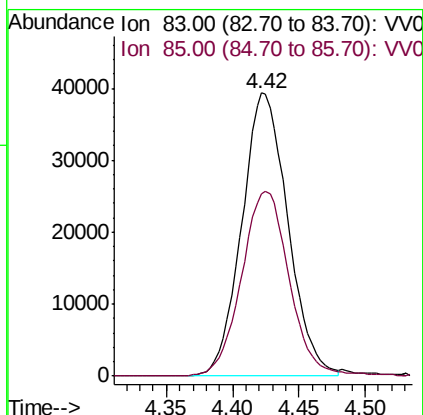
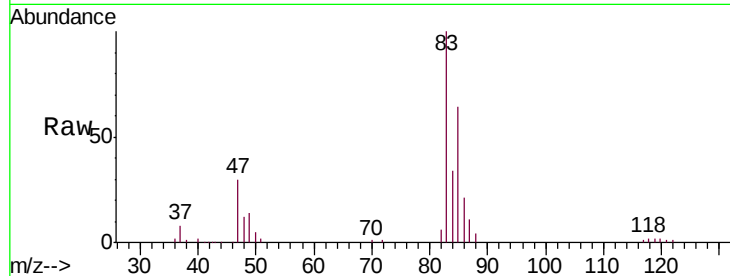




#25
Chloroform
Concen: 23.606 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV009636.D
Acq: 13 Mar 2019 14:51

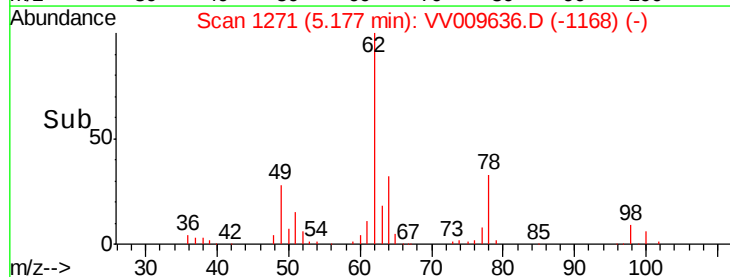
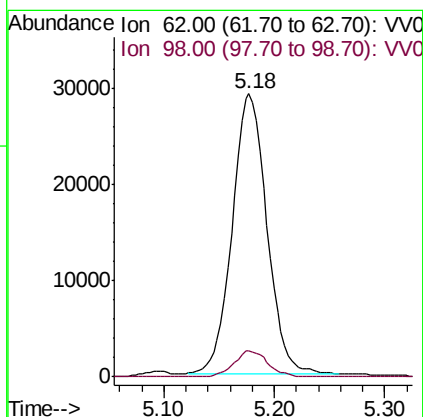
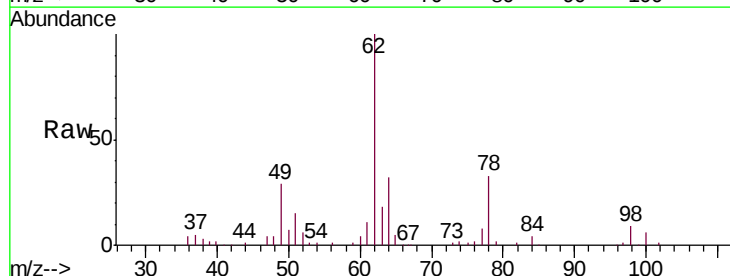
Instrument :
MSVOA_V
ClientSampleId :
VICV83

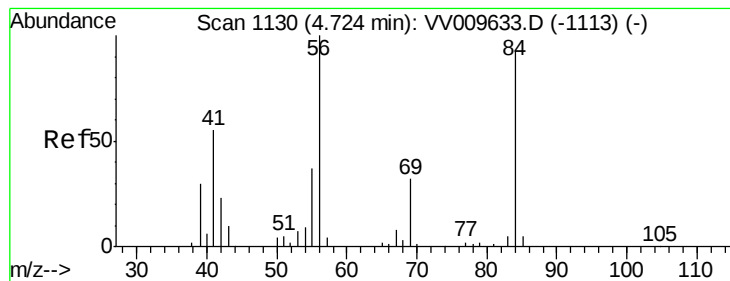
Tgt Ion: 83 Resp: 95359
Ion Ratio Lower Upper
83 100
85 67.7 46.4 86.2



#27
1,2-Dichloroethane
Concen: 22.663 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV009636.D
Acq: 13 Mar 2019 14:51

Tgt Ion: 62 Resp: 63213
Ion Ratio Lower Upper
62 100
98 9.3 7.2 10.8





#30

Cyclohexane

Concen: 23.035 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampleId :

VICV83

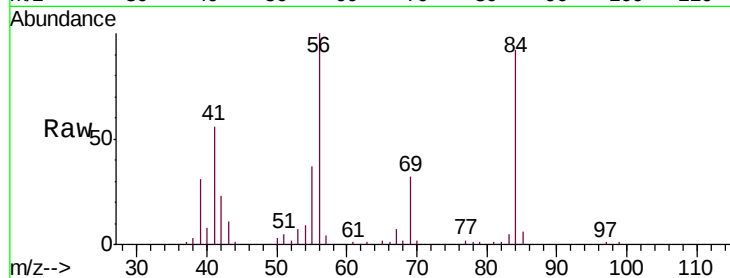
Tgt Ion: 56 Resp: 77711

Ion Ratio Lower Upper

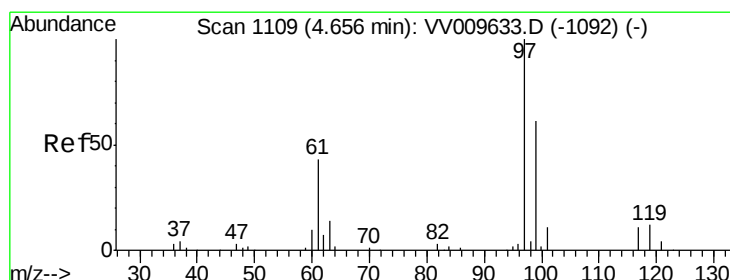
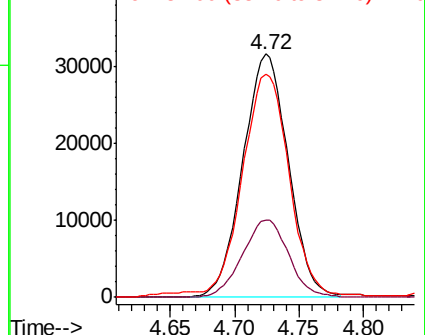
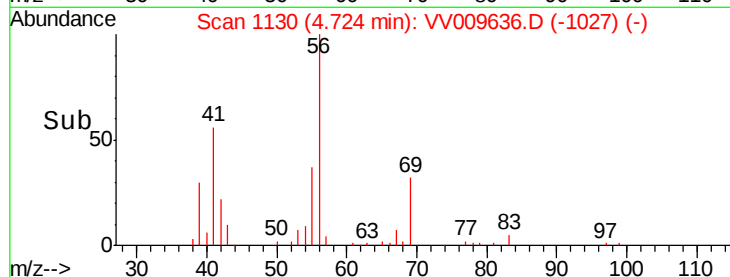
56 100

69 32.4 25.4 38.0

84 91.7 72.6 109.0



Abundance Ion 56.00 (55.70 to 56.70): VV009636.D (-1027) (-)



#31

1,1,1-Trichloroethane

Concen: 23.641 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

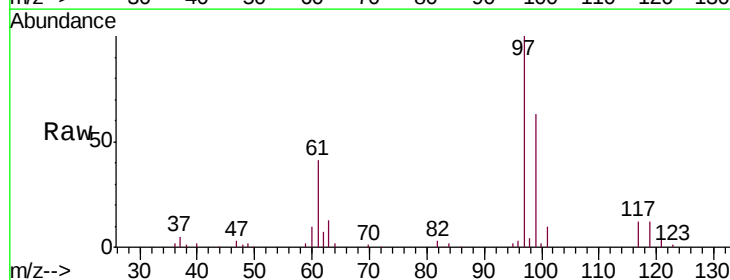
Tgt Ion: 97 Resp: 82669

Ion Ratio Lower Upper

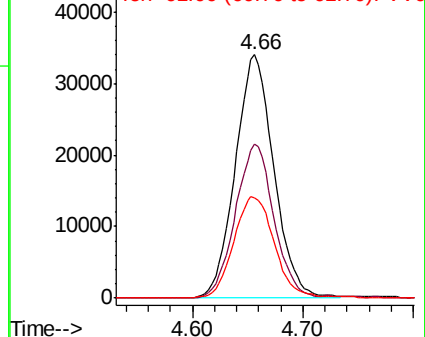
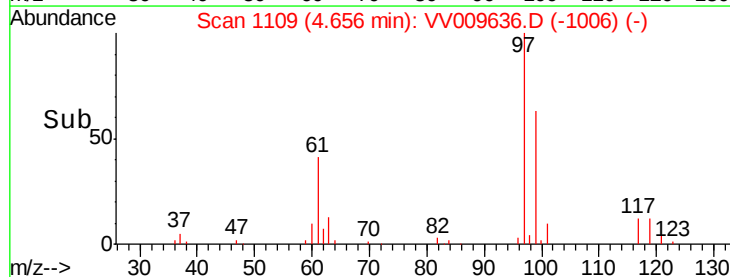
97 100

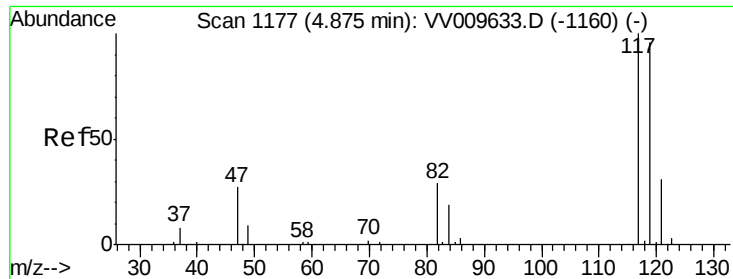
99 62.9 51.0 76.6

61 43.8 33.7 50.5



Abundance Ion 97.00 (96.70 to 97.70): VV009636.D (-1006) (-)





#32

Carbon tetrachloride

Concen: 24.010 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampleId :

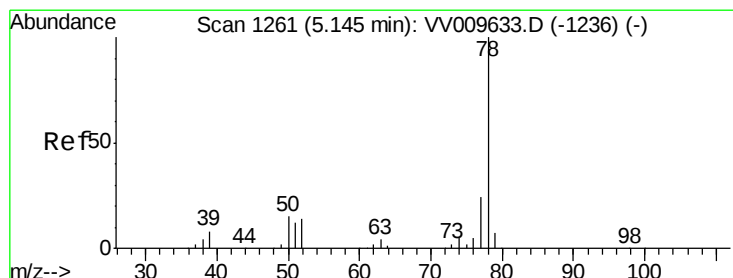
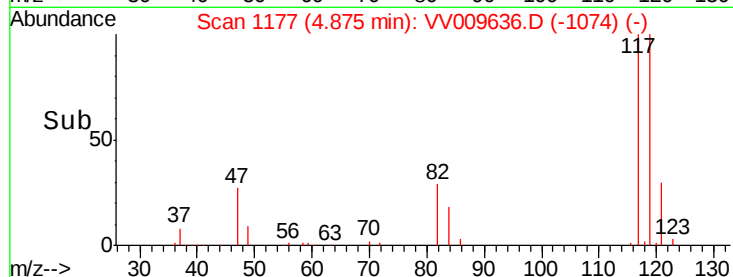
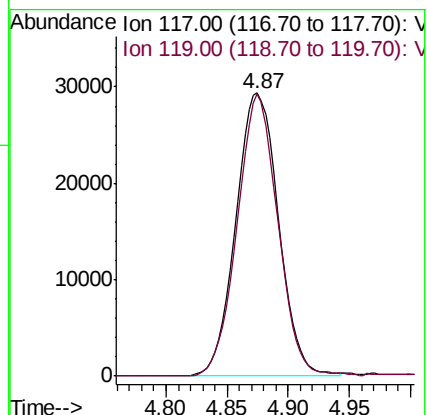
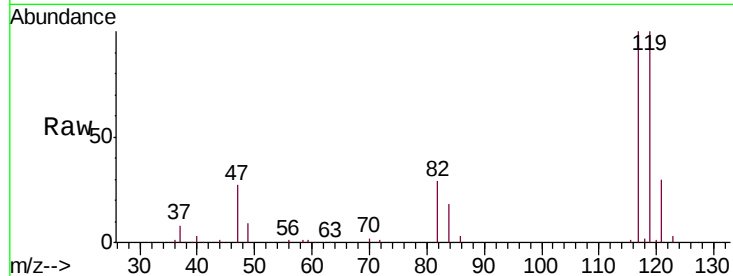
VICV83

Tgt Ion:117 Resp: 71143

Ion Ratio Lower Upper

117 100

119 95.0 76.6 114.8



#34

Benzene

Concen: 23.136 ug/L

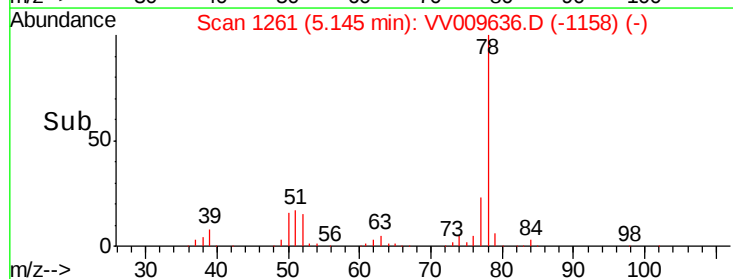
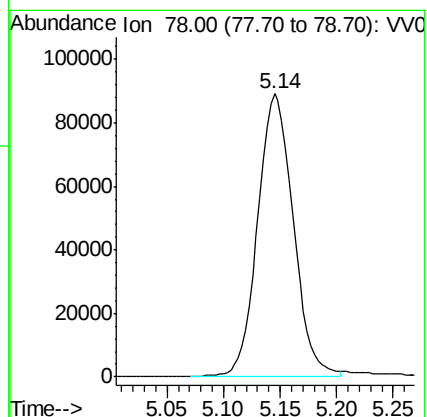
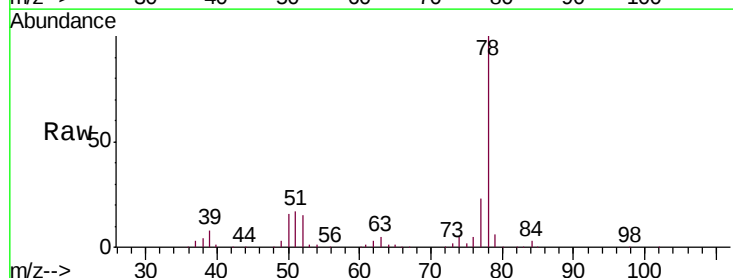
RT: 5.14 min Scan# 1261

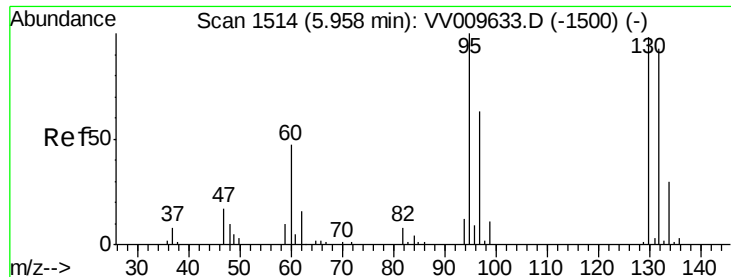
Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Tgt Ion: 78 Resp: 195856





#35

Trichloroethene

Concen: 23.399 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampled :

VICV83

Tgt Ion: 95 Resp: 55003

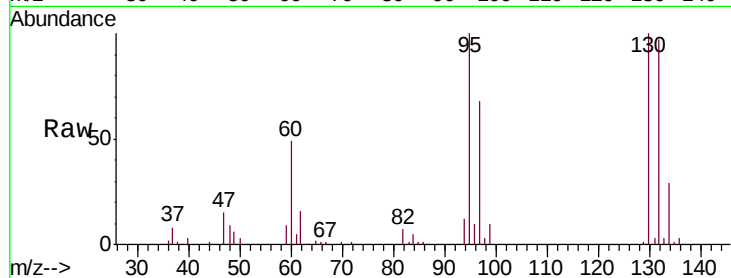
Ion Ratio Lower Upper

95 100

97 65.7 44.9 83.5

132 94.9 66.4 123.2

130 96.4 70.2 130.4

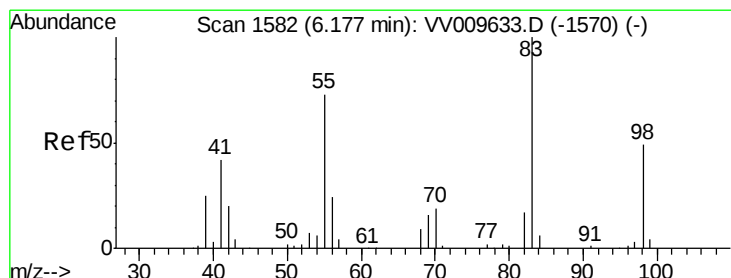
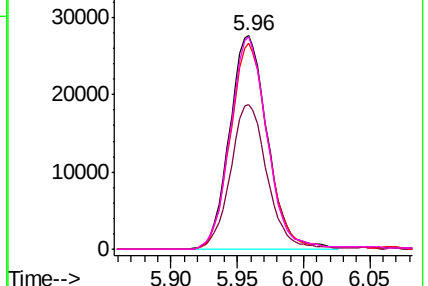
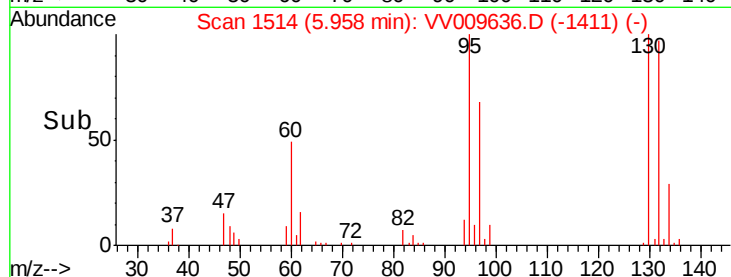


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 22.609 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

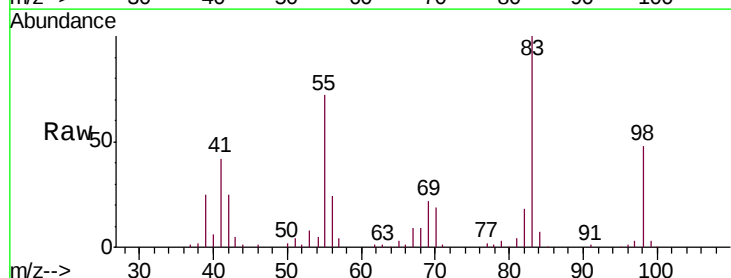
Tgt Ion: 83 Resp: 88254

Ion Ratio Lower Upper

83 100

55 74.0 57.4 86.0

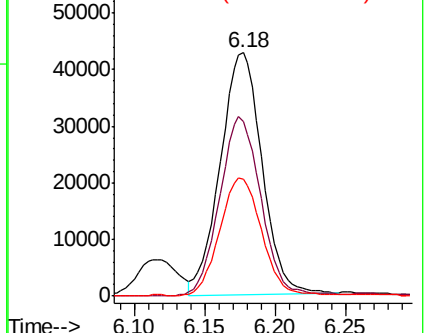
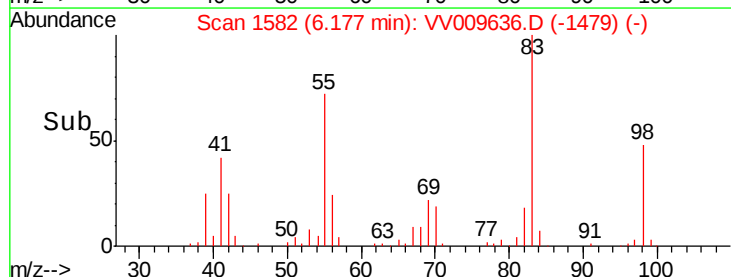
98 49.4 37.1 55.7

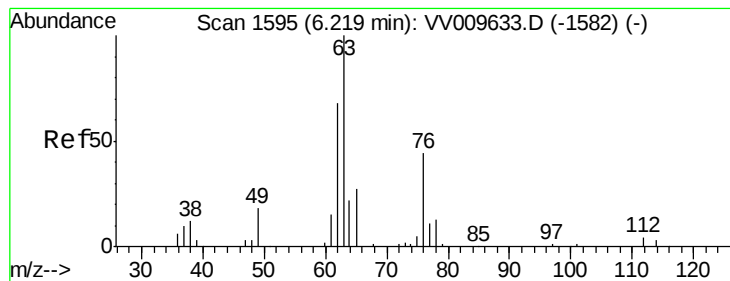


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 21.868 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampleId :

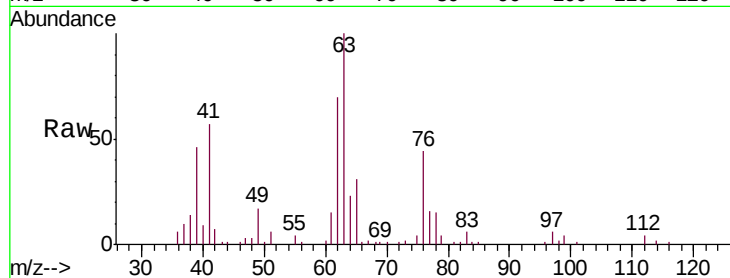
VICV83

Tgt Ion: 63 Resp: 44976

Ion Ratio Lower Upper

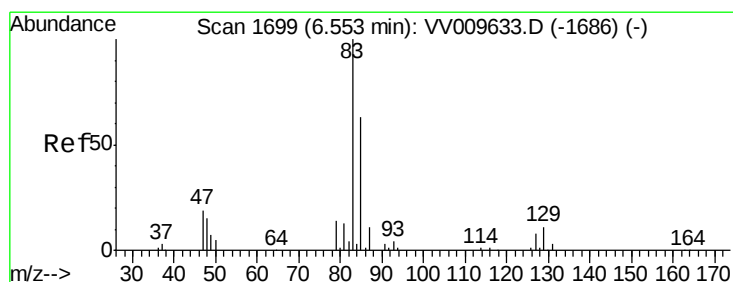
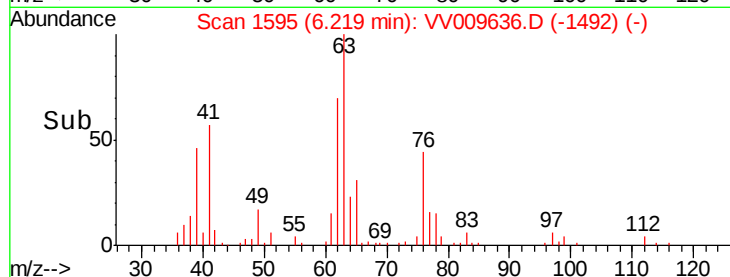
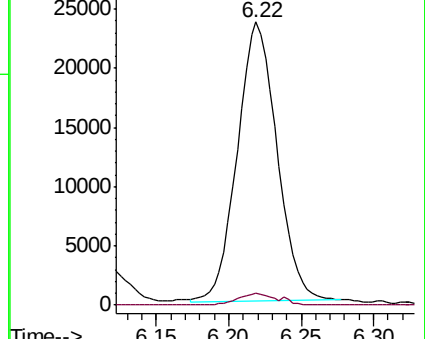
63 100

112 3.6 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VV009636.D (-1492) (-)

Ion 112.00 (111.70 to 112.70): VV009636.D (-1492) (-)



#41

Bromodichloromethane

Concen: 23.525 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

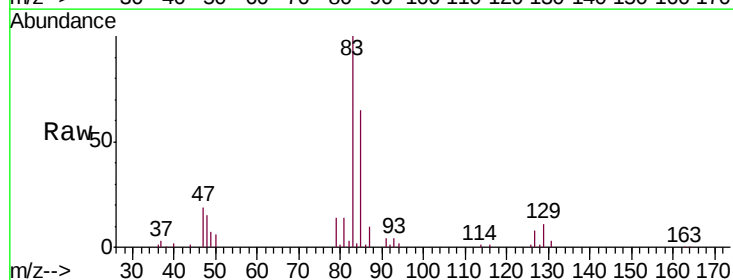
Tgt Ion: 83 Resp: 66574

Ion Ratio Lower Upper

83 100

85 64.5 44.4 82.4

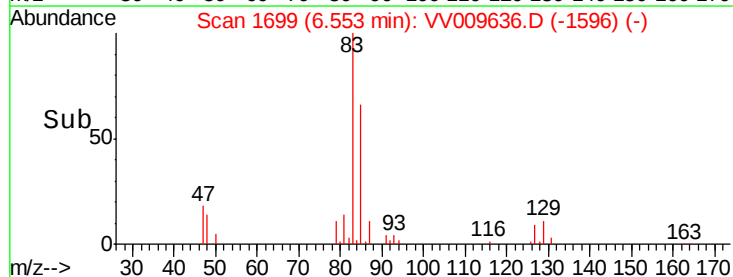
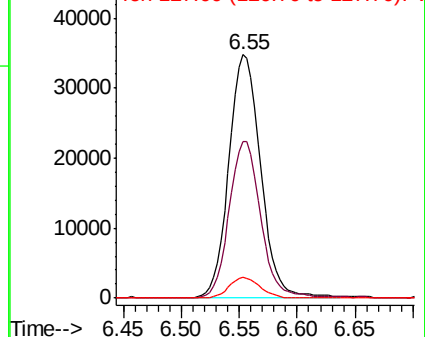
127 8.4 6.7 10.1

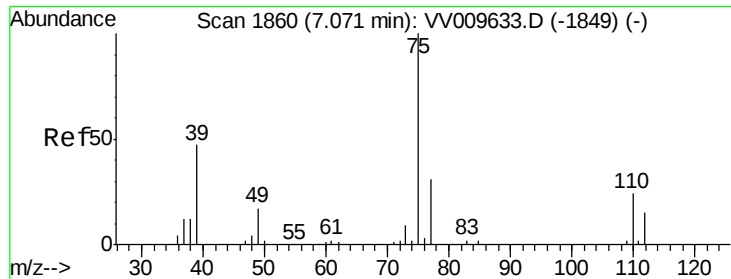


Abundance Ion 83.00 (82.70 to 83.70): VV009636.D (-1596) (-)

Ion 85.00 (84.70 to 85.70): VV009636.D (-1596) (-)

Ion 127.00 (126.70 to 127.70): VV009636.D (-1596) (-)



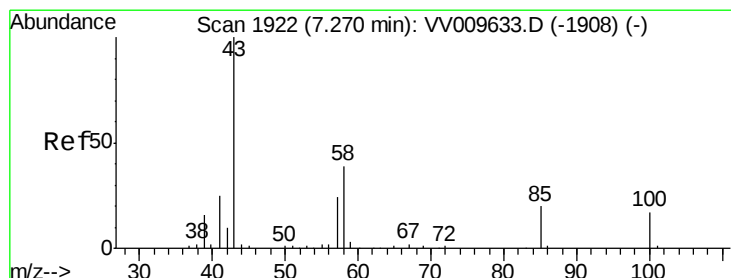
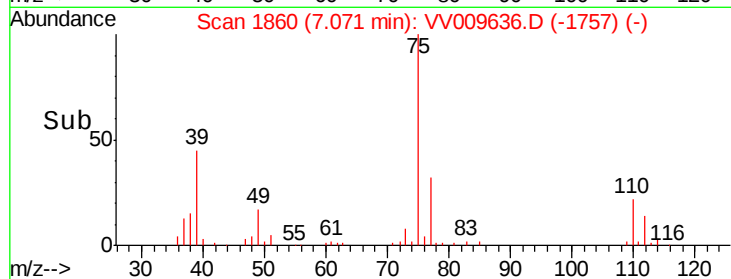
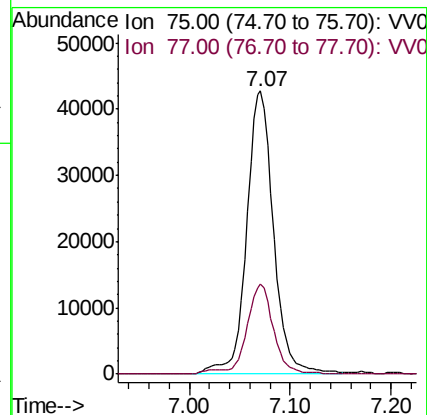
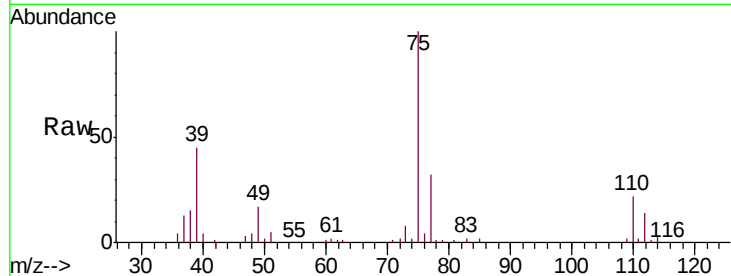


#42

cis-1,3-Dichloropropene
 Concen: 25.214 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV009636.D
 Acq: 13 Mar 2019 14:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV83

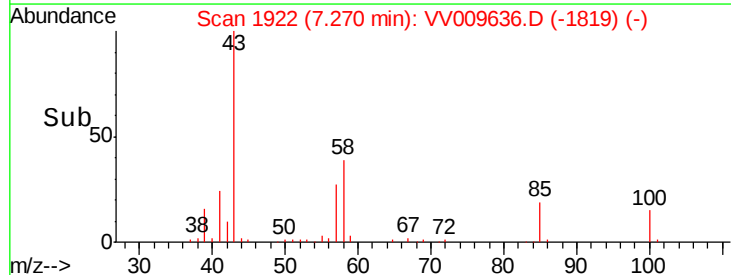
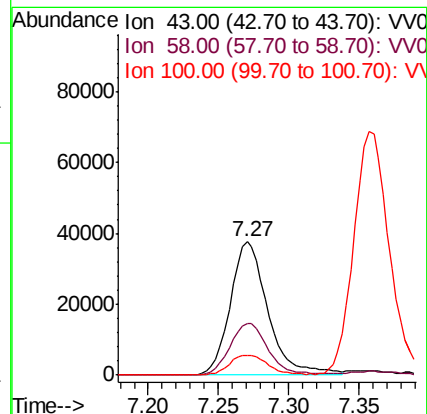
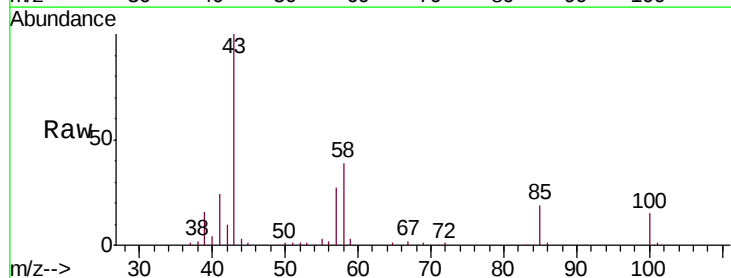
Tgt Ion: 75 Resp: 78735
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.0 40.8

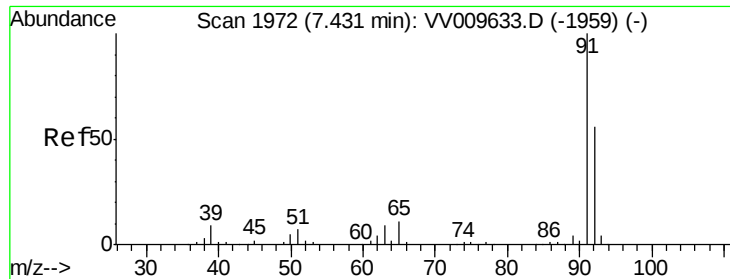


#43

4-Methyl-2-pentanone
 Concen: 50.039 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV009636.D
 Acq: 13 Mar 2019 14:51

Tgt Ion: 43 Resp: 70376
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.9 46.3
 100 15.6 11.8 17.6





#44

Toluene

Concen: 23.506 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampleId :

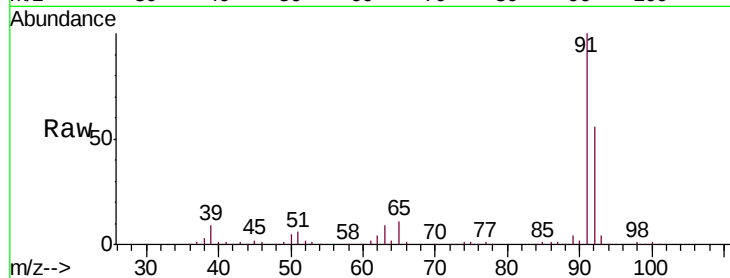
VICV83

Tgt Ion: 91 Resp: 221639

Ion Ratio Lower Upper

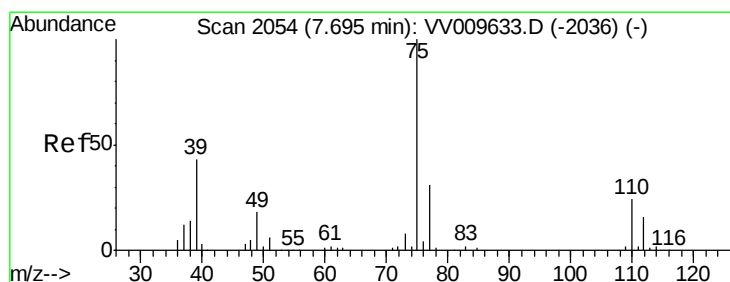
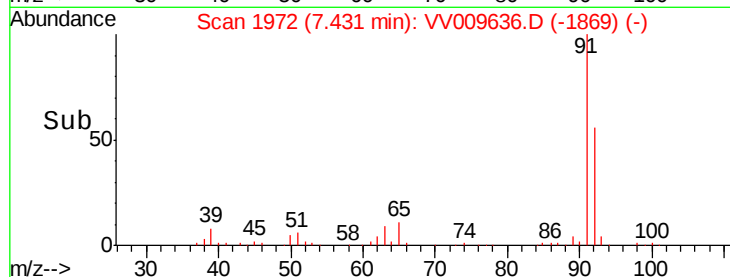
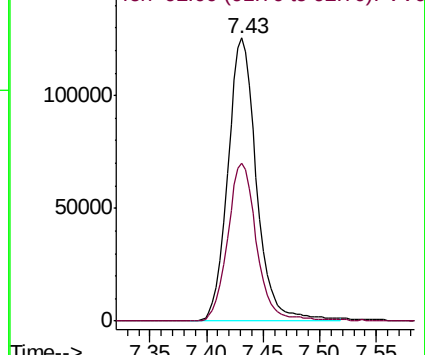
91 100

92 56.0 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV009636.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV009636.D (-1869) (-)



#45

trans-1,3-Dichloropropene

Concen: 23.507 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009636.D

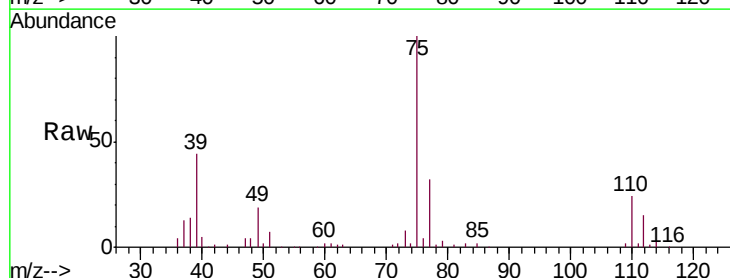
Acq: 13 Mar 2019 14:51

Tgt Ion: 75 Resp: 63391

Ion Ratio Lower Upper

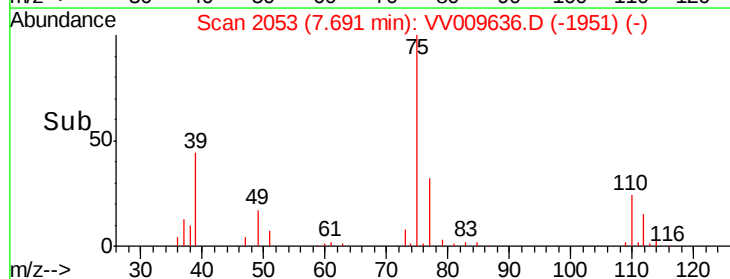
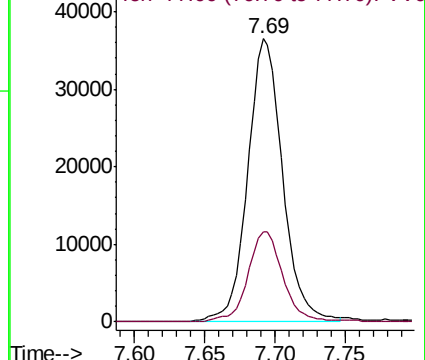
75 100

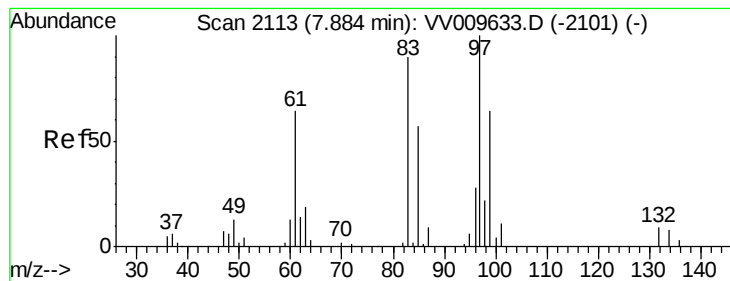
77 32.1 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV009636.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VV009636.D (-1951) (-)





#46

1,1,2-Trichloroethane

Concen: 22.723 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampleId :

VICV83

Tgt Ion: 97 Resp: 39049

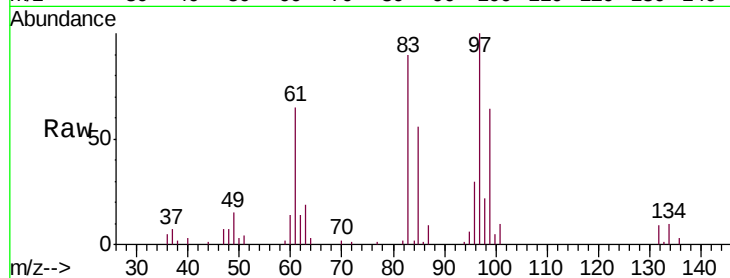
Ion Ratio Lower Upper

97 100

83 90.1 62.9 116.7

85 56.3 40.0 74.2

99 63.9 44.9 83.3

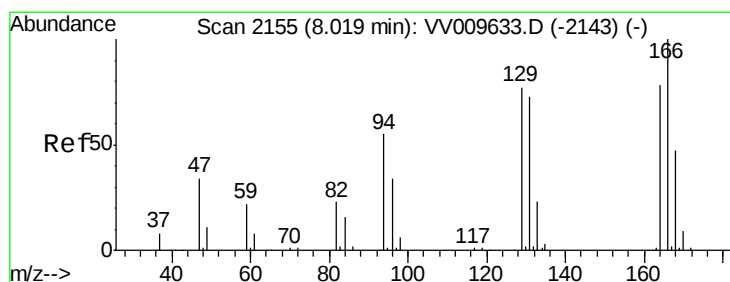
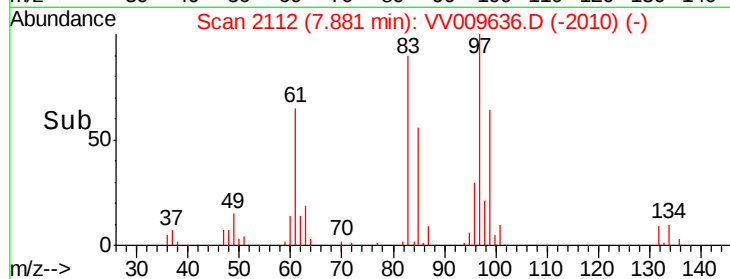
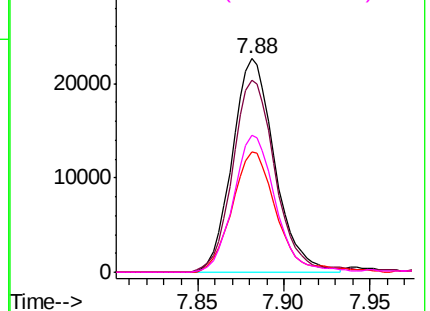


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 22.944 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Tgt Ion: 164 Resp: 42604

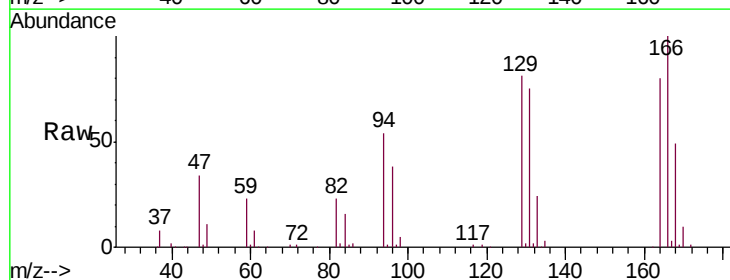
Ion Ratio Lower Upper

164 100

129 101.9 69.0 128.1

131 94.2 65.7 122.1

166 125.1 89.4 166.0

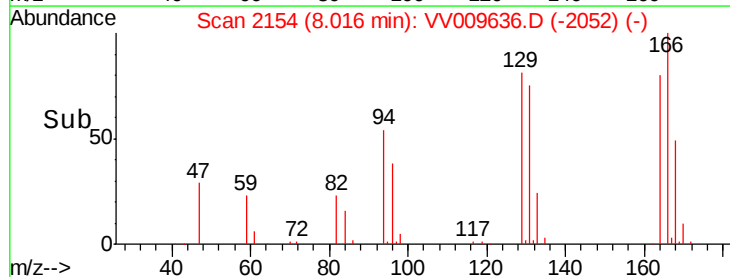
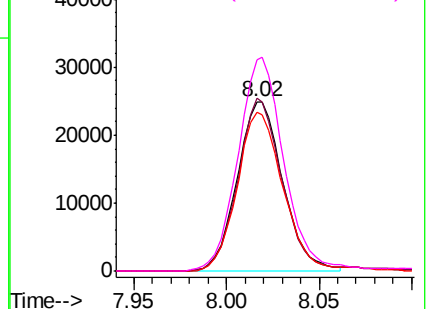


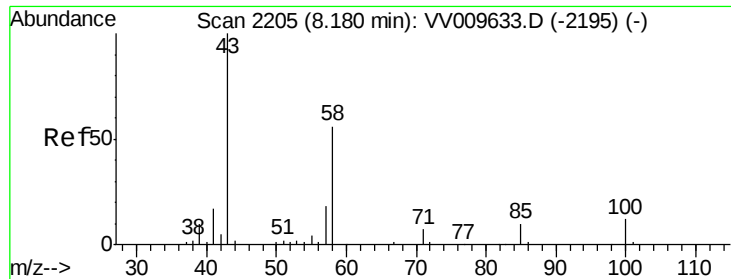
Abundance Ion 164.00 (163.70 to 164.70): V

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

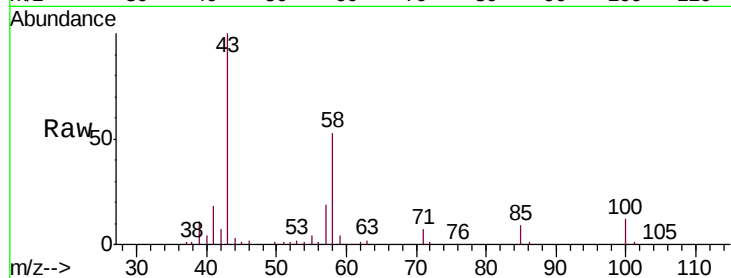




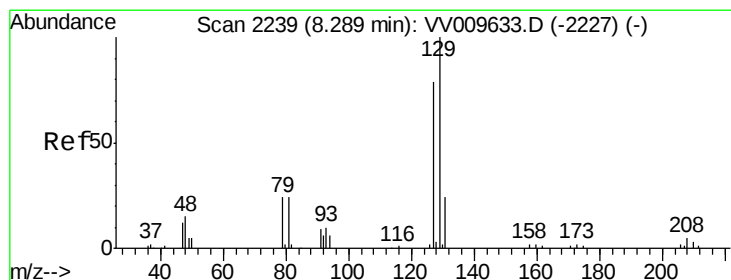
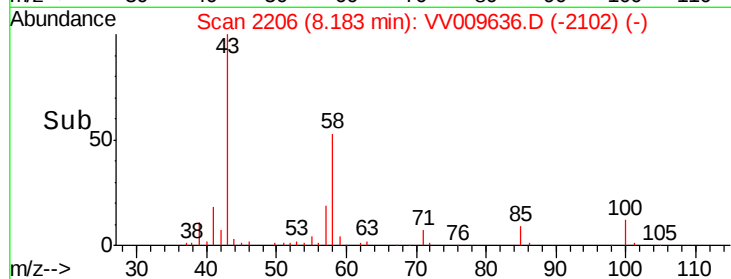
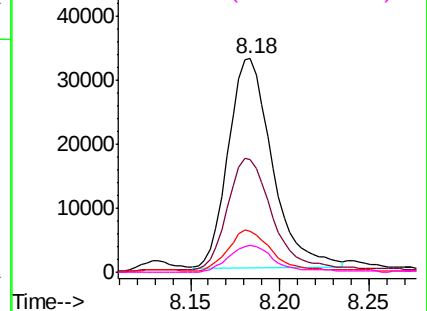
#49
2-Hexanone
Concen: 53.325 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009636.D
Acq: 13 Mar 2019 14:51

Instrument :
MSVOA_V
ClientSampleId :
VICV83

Tgt Ion:	43	Resp:	56325
Ion	Ratio	Lower	Upper
43	100		
58	55.7	44.9	67.3
57	19.6	14.5	21.7
100	12.8	9.3	13.9

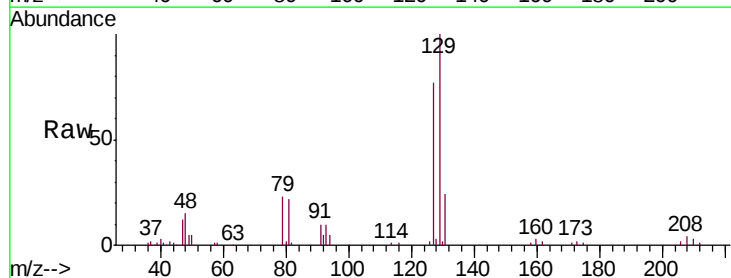


Abundance Ion 43.00 (42.70 to 43.70): VV009636.D (-2195) (-)
Ion 58.00 (57.70 to 58.70): VV009636.D (-2195) (-)
Ion 57.00 (56.70 to 57.70): VV009636.D (-2195) (-)
Ion 100.00 (99.70 to 100.70): VV009636.D (-2195) (-)

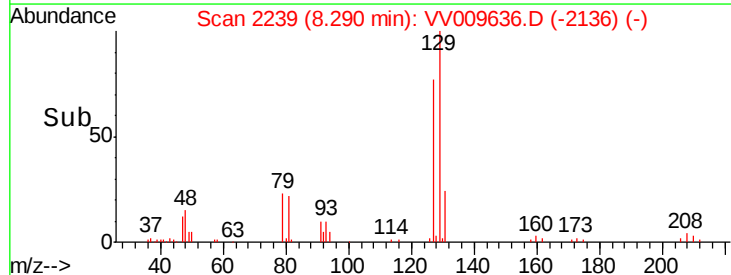
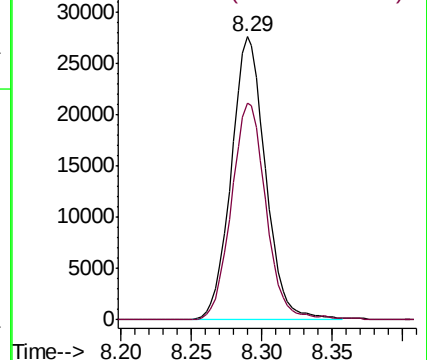


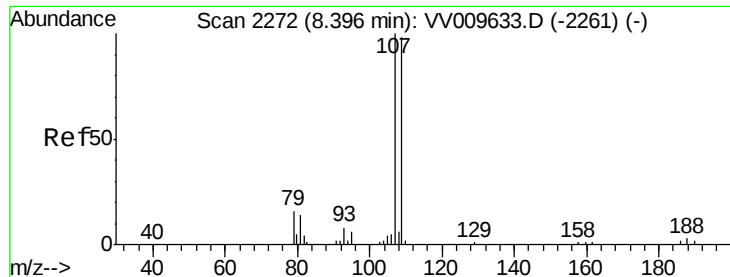
#50
Dibromochloromethane
Concen: 24.056 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009636.D
Acq: 13 Mar 2019 14:51

Tgt Ion:	129	Resp:	46884
Ion	Ratio	Lower	Upper
129	100		
127	76.8	55.4	102.8



Abundance Ion 129.00 (128.70 to 129.70): VV009636.D (-2136) (-)
Ion 127.00 (126.70 to 127.70): VV009636.D (-2136) (-)





#51

1,2-Dibromoethane

Concen: 24.669 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampleId :

VICV83

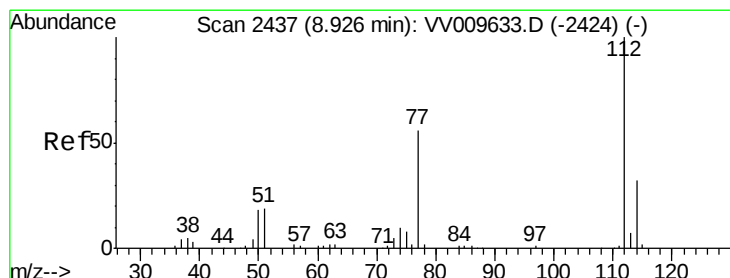
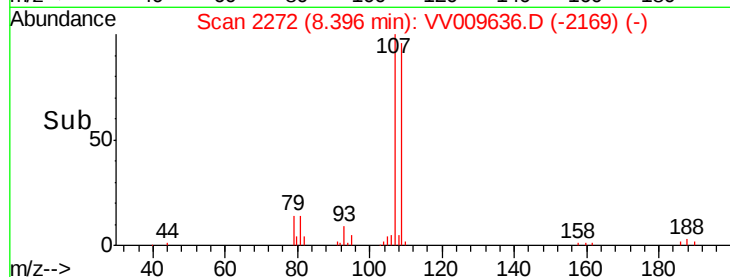
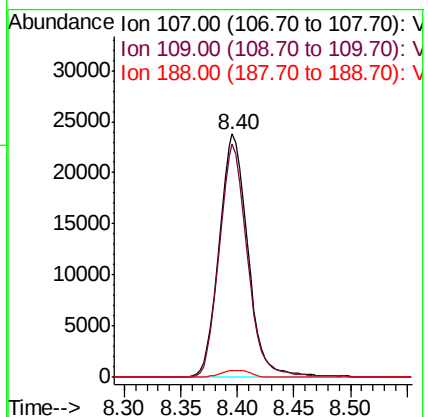
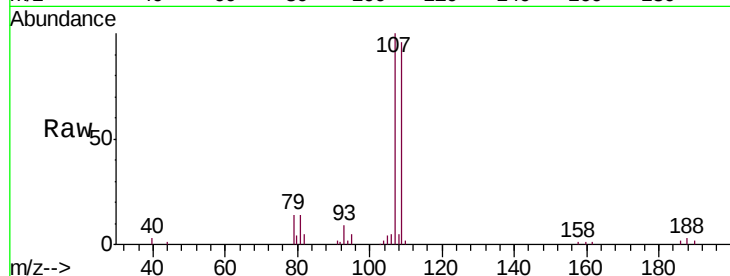
Tgt Ion:107 Resp: 41989

Ion Ratio Lower Upper

107 100

109 95.8 68.4 127.0

188 3.0 2.6 3.8



#52

Chlorobenzene

Concen: 22.957 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

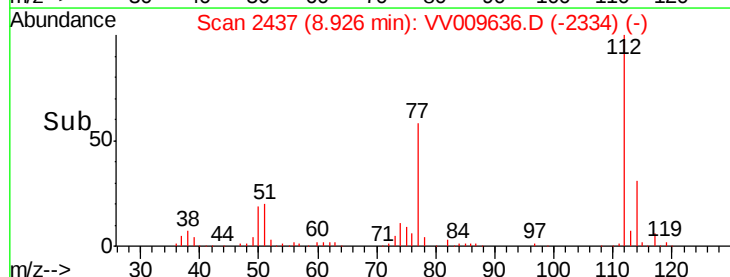
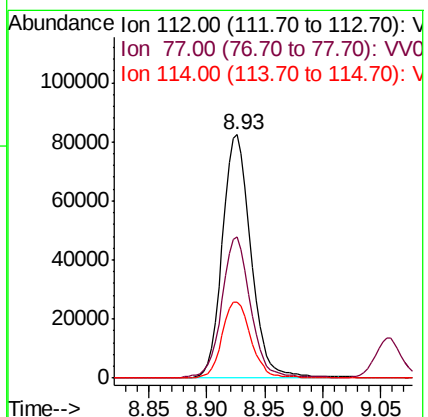
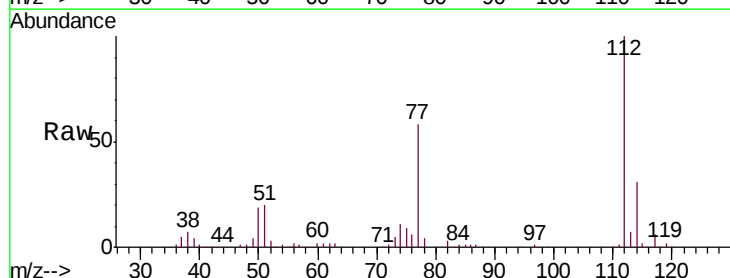
Tgt Ion:112 Resp: 140850

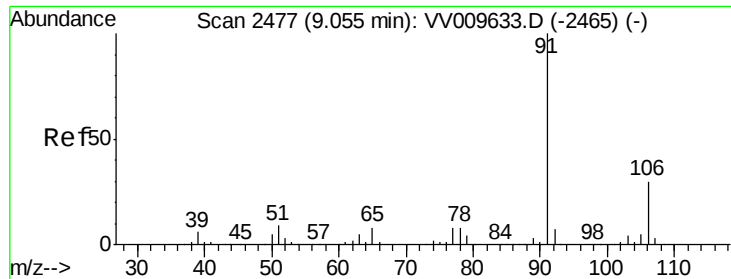
Ion Ratio Lower Upper

112 100

77 57.8 45.6 68.4

114 31.4 22.3 41.5

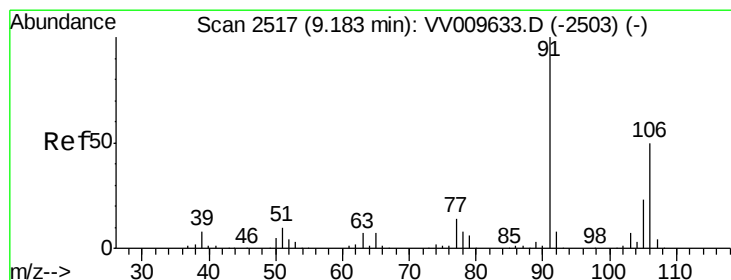
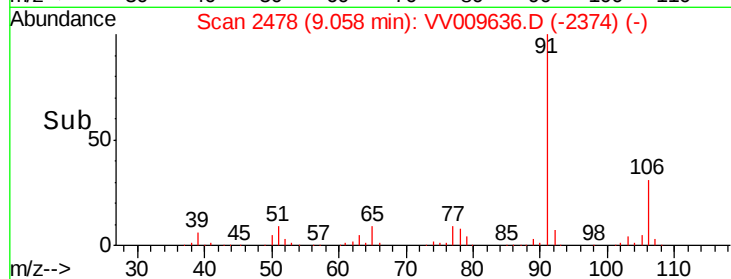
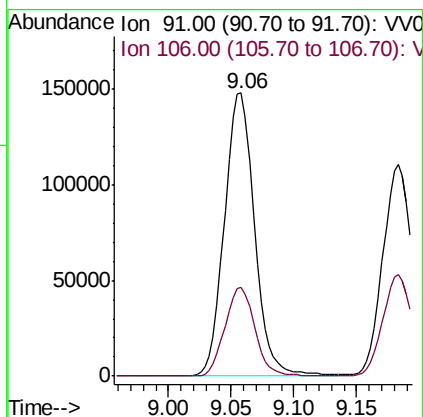
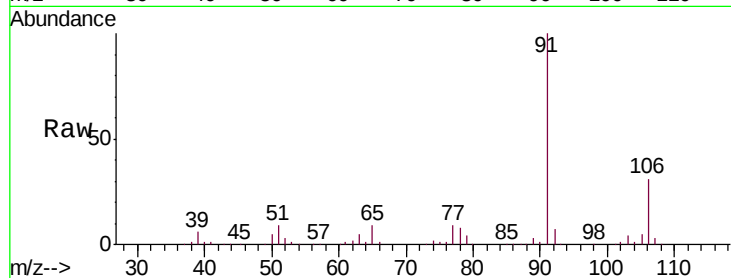




#53
Ethylbenzene
Concen: 23.673 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV009636.D
Acq: 13 Mar 2019 14:51

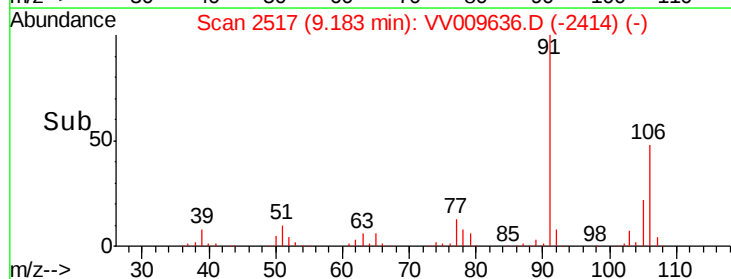
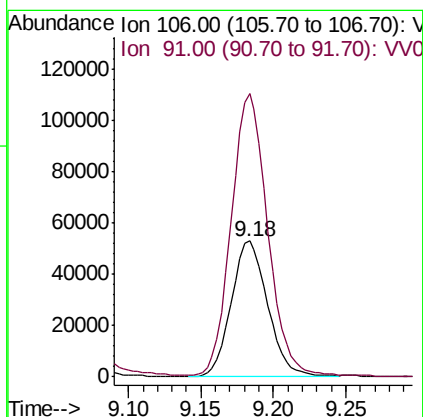
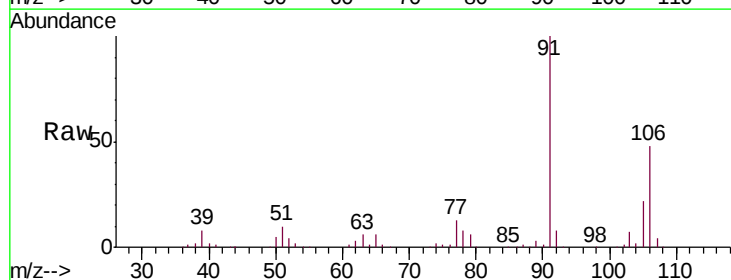
Instrument :
MSVOA_V
ClientSampleId :
VICV83

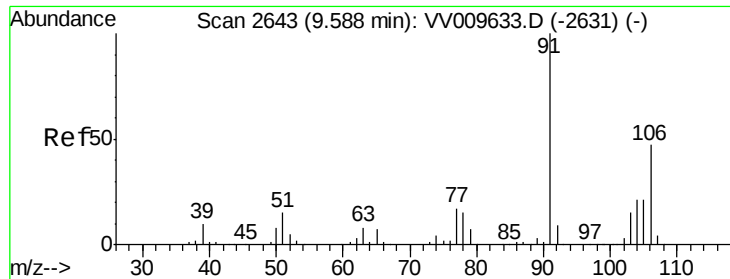
Tgt Ion: 91 Resp: 246883
Ion Ratio Lower Upper
91 100
106 31.3 21.1 39.1



#54
m,p-Xylene
Concen: 23.395 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV009636.D
Acq: 13 Mar 2019 14:51

Tgt Ion: 106 Resp: 92097
Ion Ratio Lower Upper
106 100
91 208.6 141.4 262.6

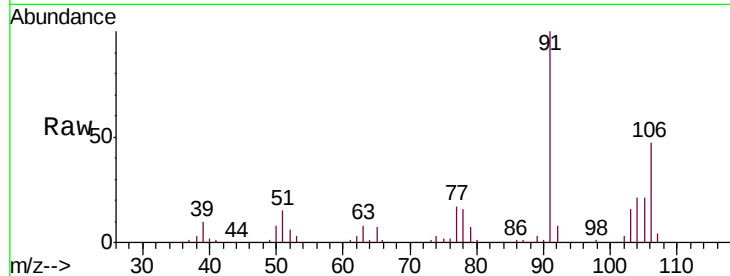




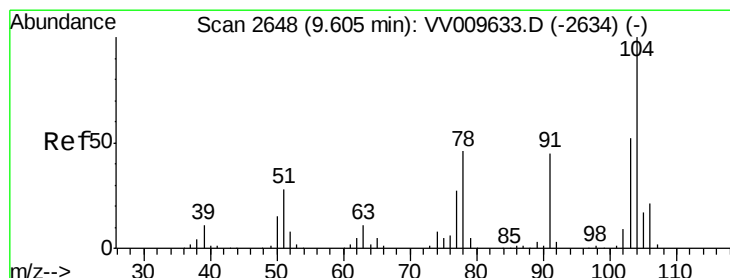
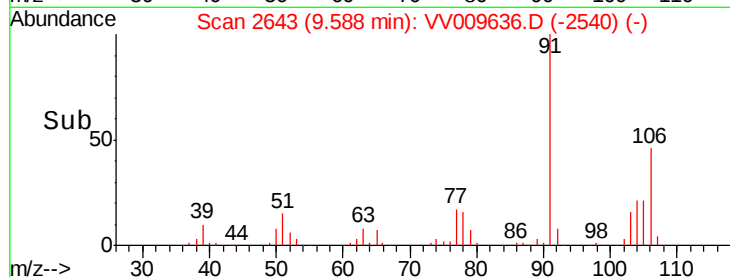
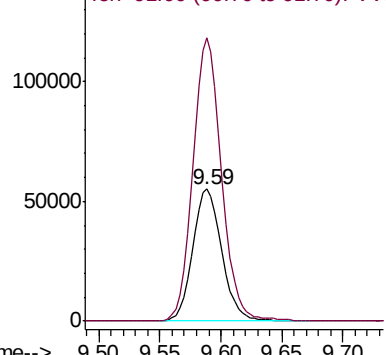
#55
o-xylene
Concen: 23.872 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009636.D
Acq: 13 Mar 2019 14:51

Instrument :
MSVOA_V
ClientSampleId :
VICV83

Tgt Ion:106 Resp: 92230
Ion Ratio Lower Upper
106 100
91 214.6 149.7 278.1

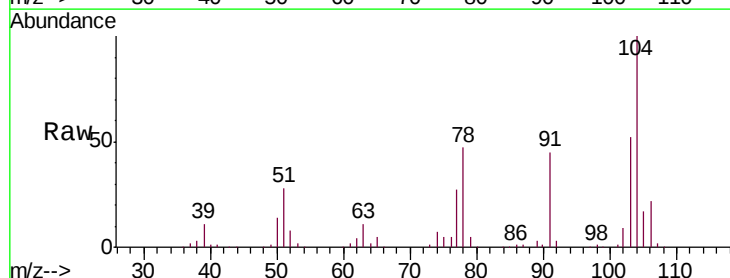


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

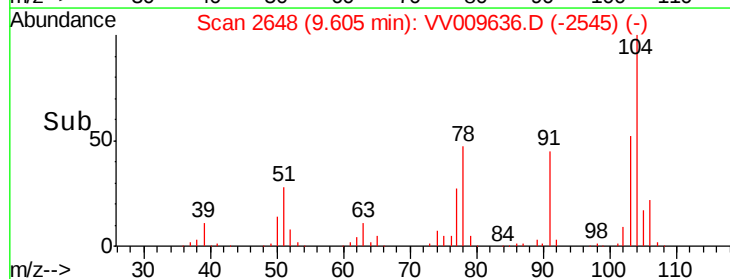
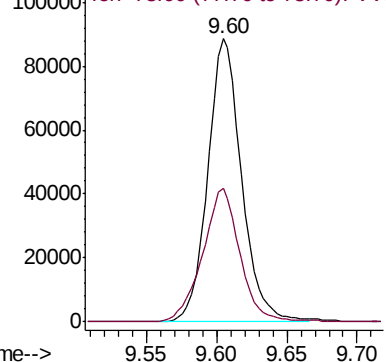


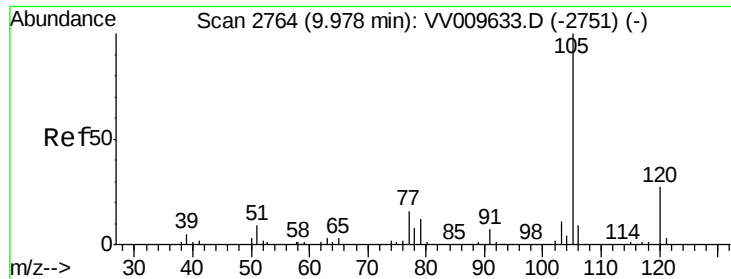
#56
Styrene
Concen: 23.567 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009636.D
Acq: 13 Mar 2019 14:51

Tgt Ion:104 Resp: 148503
Ion Ratio Lower Upper
104 100
78 47.1 32.3 59.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 23.700 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampleId :

VICV83

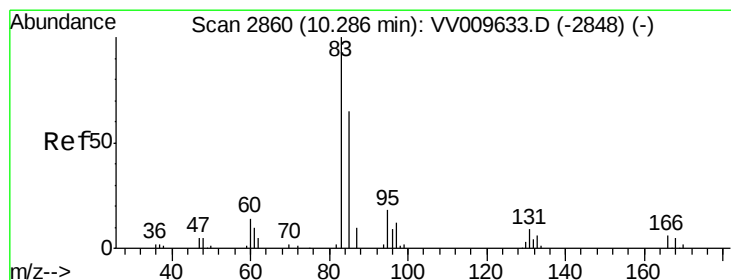
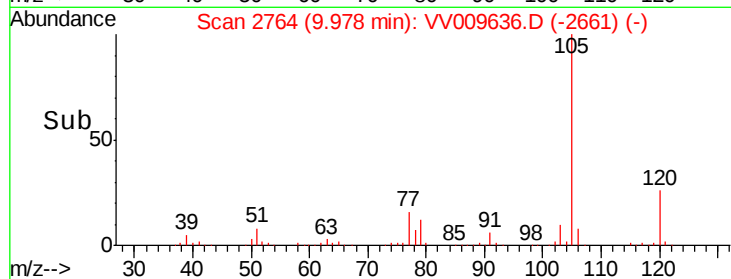
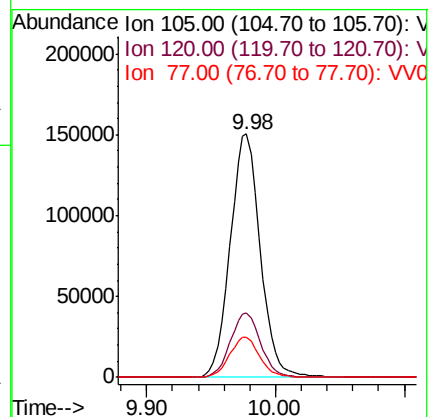
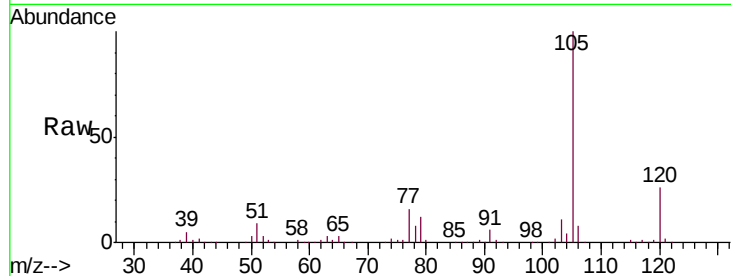
Tgt Ion: 105 Resp: 242840

Ion Ratio Lower Upper

105 100

120 26.6 21.5 32.3

77 16.4 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 24.474 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

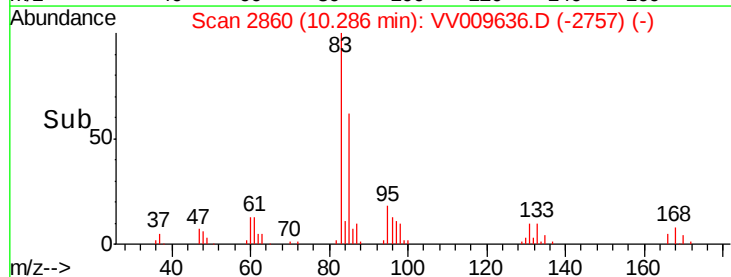
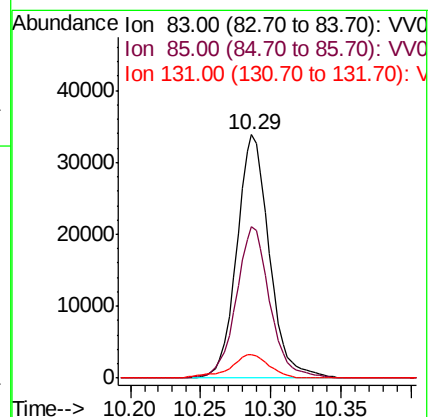
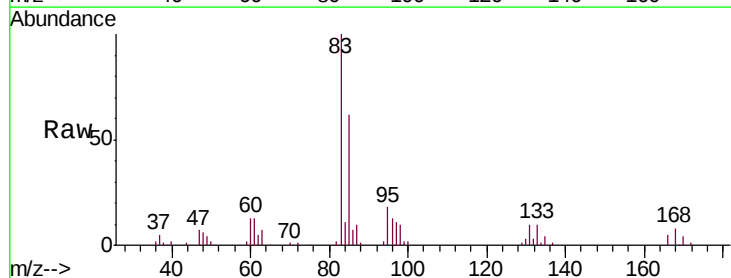
Tgt Ion: 83 Resp: 54533

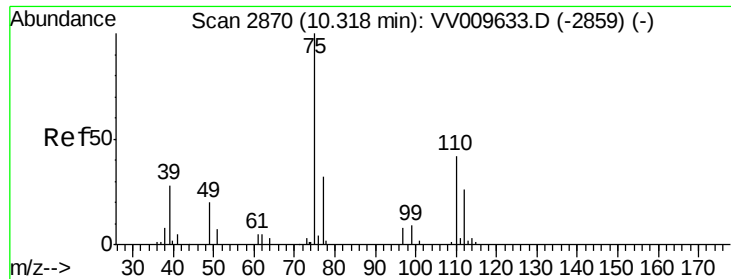
Ion Ratio Lower Upper

83 100

85 62.2 46.1 85.7

131 9.8 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 24.597 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampled :

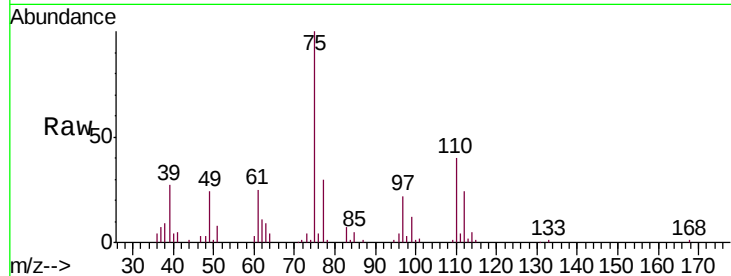
VICV83

Tgt Ion: 75 Resp: 39345

Ion Ratio Lower Upper

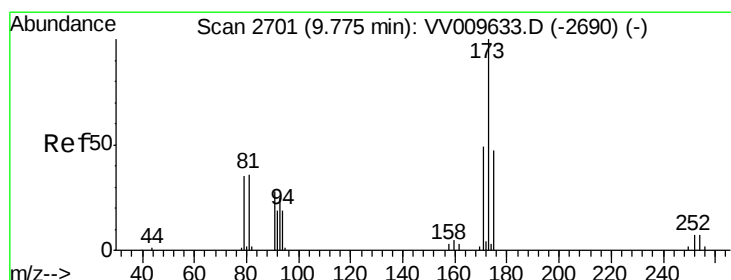
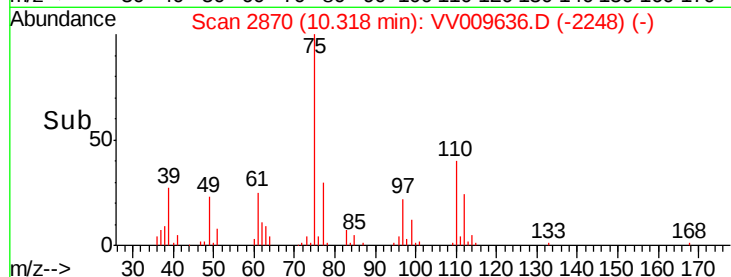
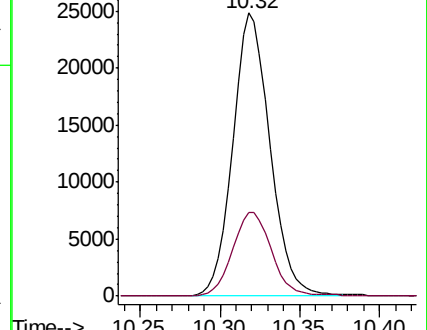
75 100

77 31.0 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VV009633.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009633.D (-2859) (-)



#62

Bromoform

Concen: 24.469 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

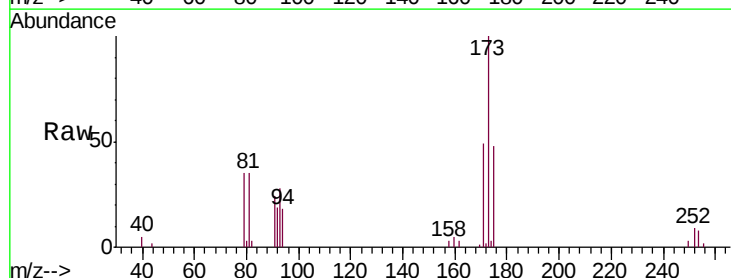
Tgt Ion: 173 Resp: 25748

Ion Ratio Lower Upper

173 100

175 48.7 37.8 56.6

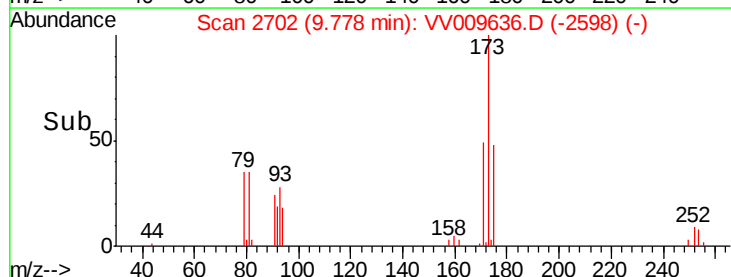
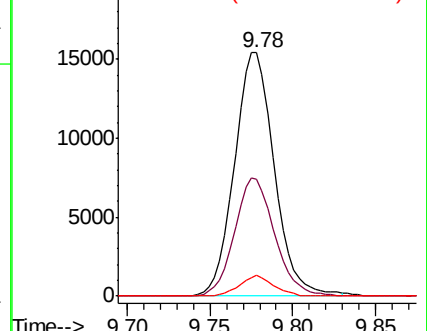
254 7.1 6.1 9.1

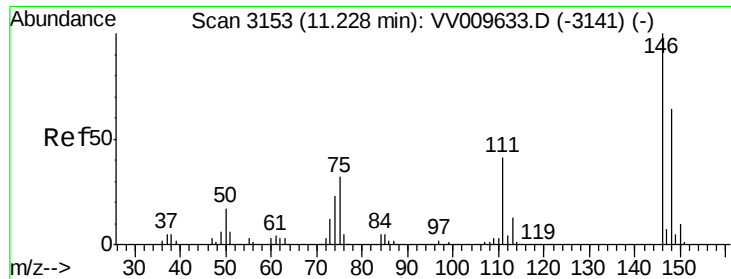


Abundance Ion 173.00 (172.70 to 173.70): VV009633.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV009633.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV009633.D (-2690) (-)

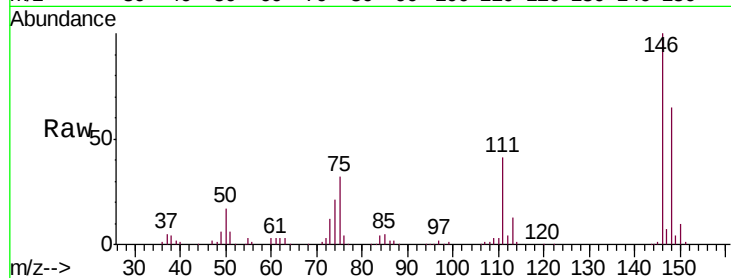




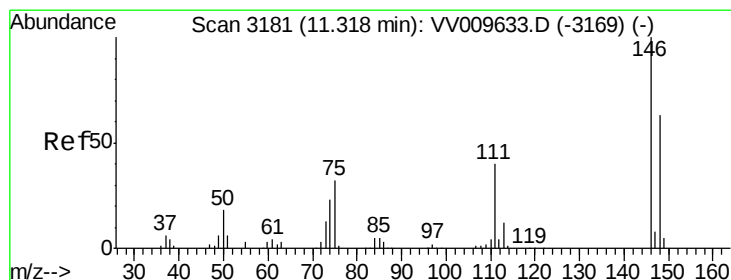
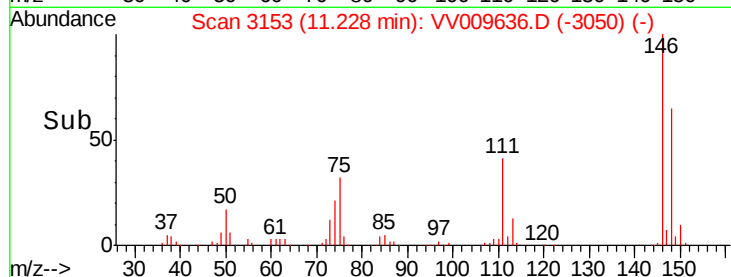
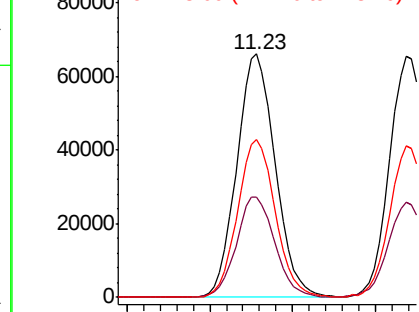
#63
 1,3-Dichlorobenzene
 Concen: 23.746 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009636.D
 Acq: 13 Mar 2019 14:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV83

Tgt Ion:146 Resp: 106701
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.8 53.6
 148 64.8 45.1 83.7

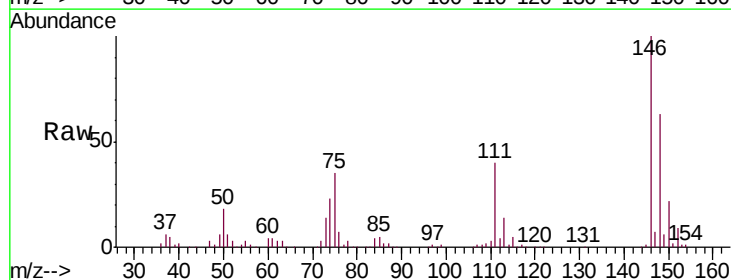


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

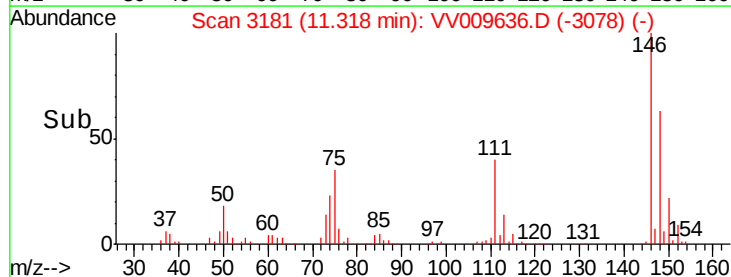
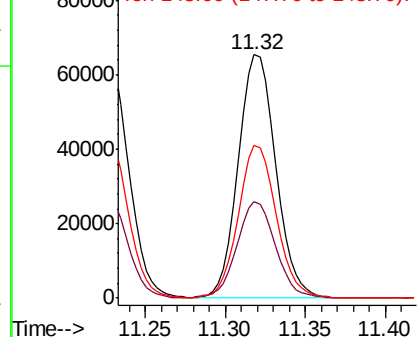


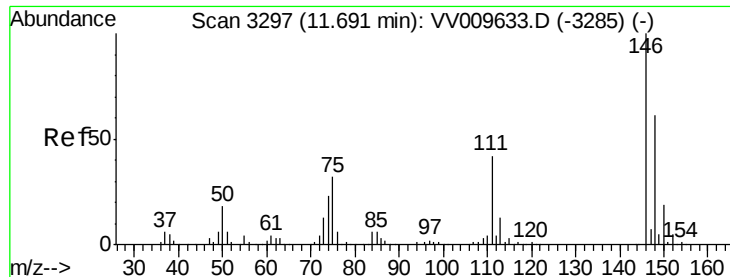
#64
 1,4-Dichlorobenzene
 Concen: 22.936 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009636.D
 Acq: 13 Mar 2019 14:51

Tgt Ion:146 Resp: 104902
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.2 52.4
 148 62.7 44.2 82.0



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 23.463 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampled :

VICV83

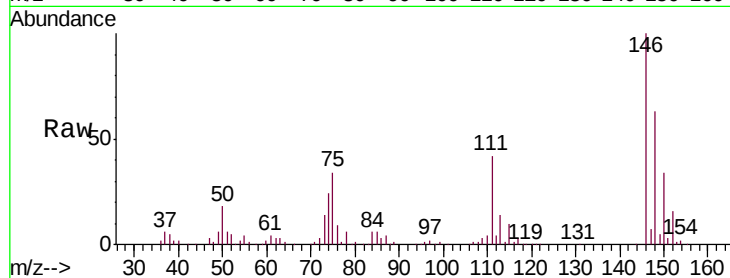
Tgt Ion:146 Resp: 98091

Ion Ratio Lower Upper

146 100

111 41.6 33.8 50.6

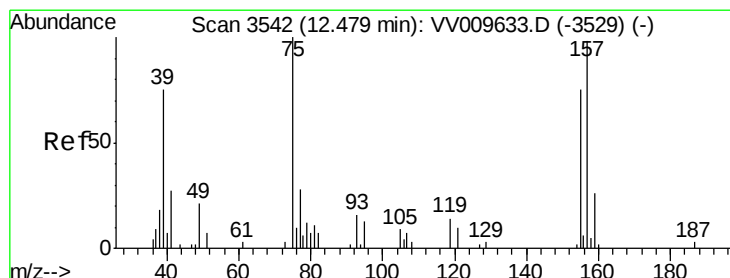
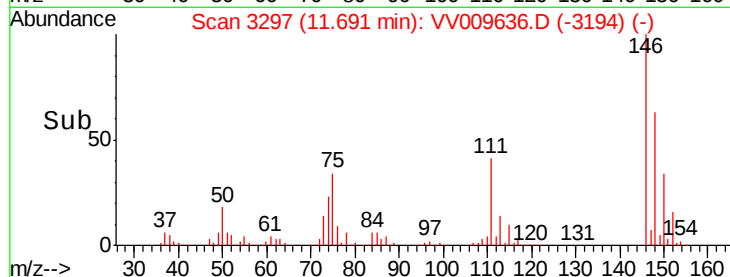
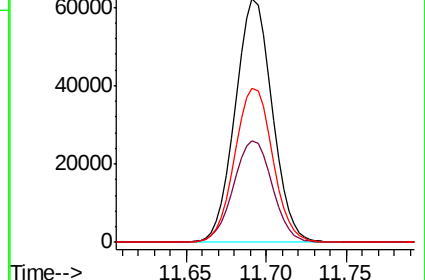
148 63.5 49.1 73.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 26.280 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

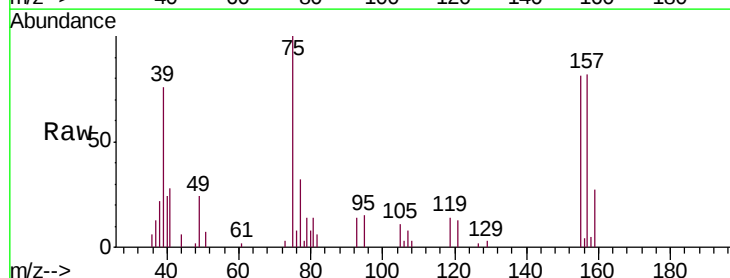
Tgt Ion: 75 Resp: 8134

Ion Ratio Lower Upper

75 100

157 81.9 78.6 118.0

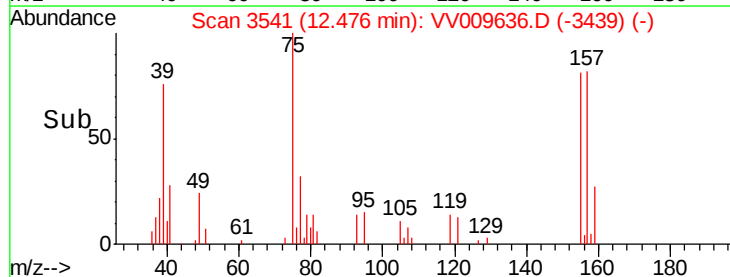
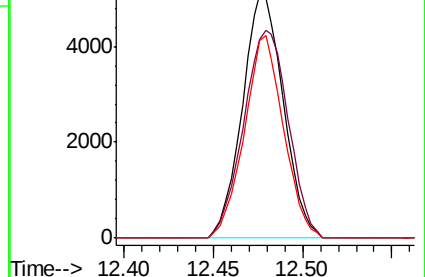
155 81.3 60.0 90.0

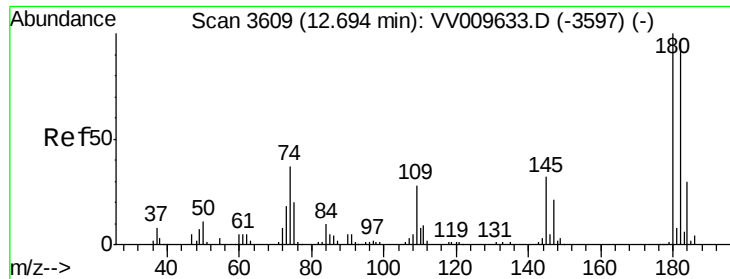


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

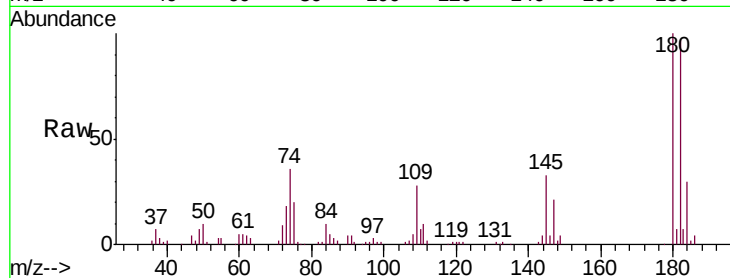




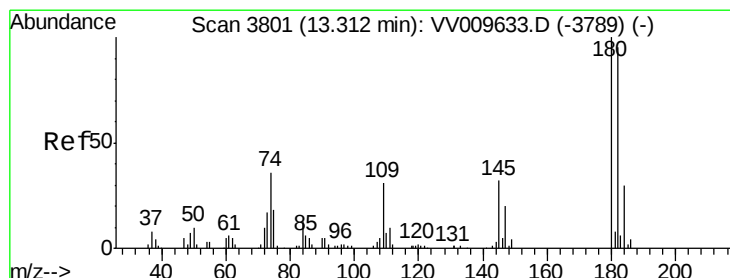
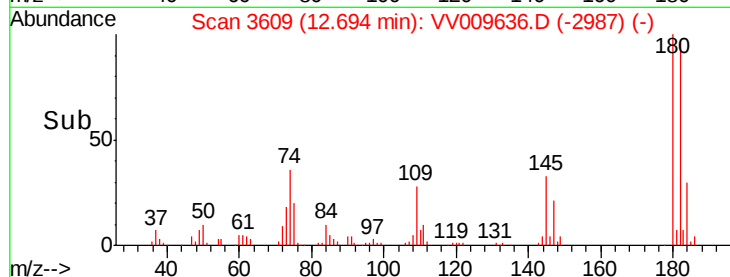
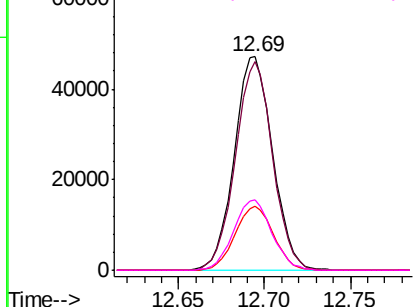
#67
 1,3,5-Trichlorobenzene
 Concen: 25.642 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009636.D
 Acq: 13 Mar 2019 14:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV83

Tgt Ion:180 Resp: 73121
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.3 114.5
 184 30.1 23.8 35.8
 145 32.9 25.8 38.8

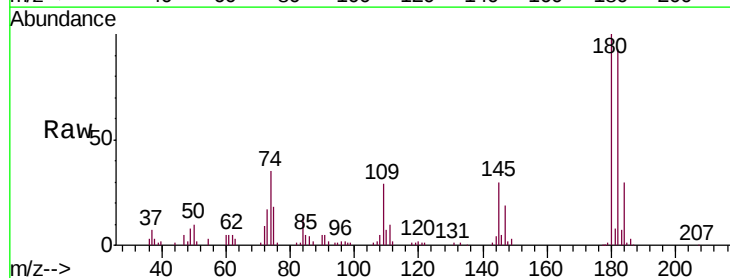


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

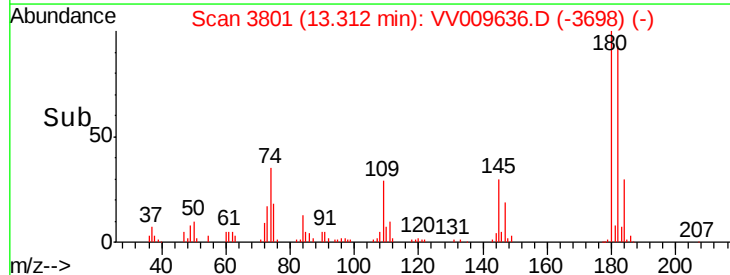
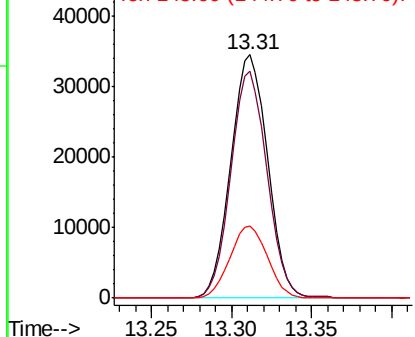


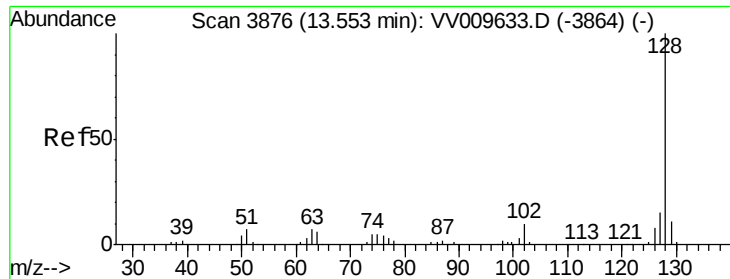
#68
 1,2,4-trichlorobenzene
 Concen: 24.420 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009636.D
 Acq: 13 Mar 2019 14:51

Tgt Ion:180 Resp: 54167
 Ion Ratio Lower Upper
 180 100
 182 91.5 77.4 116.0
 145 30.2 26.4 39.6



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





#69

Naphthalene

Concen: 25.378 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampleId :

VICV83

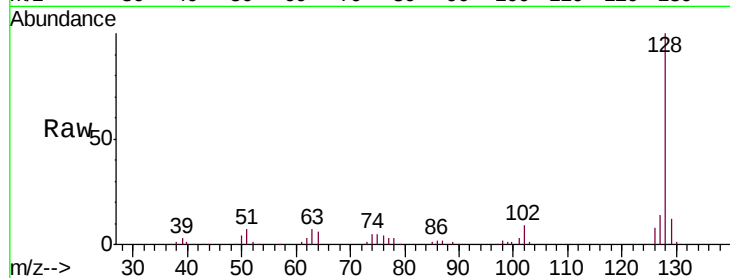
Tgt Ion:128 Resp: 92980

Ion Ratio Lower Upper

128 100

129 10.8 8.3 12.5

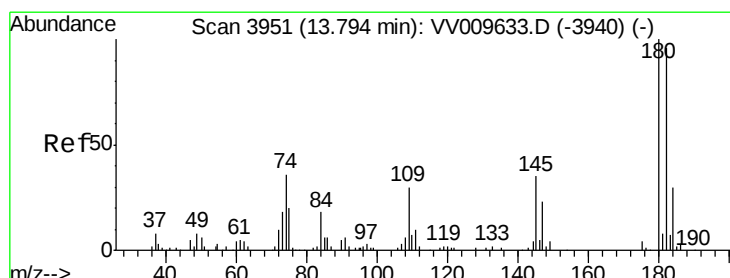
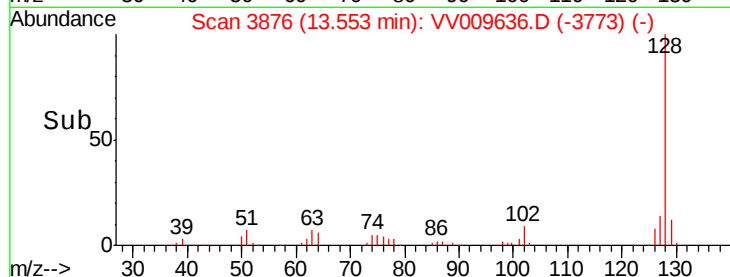
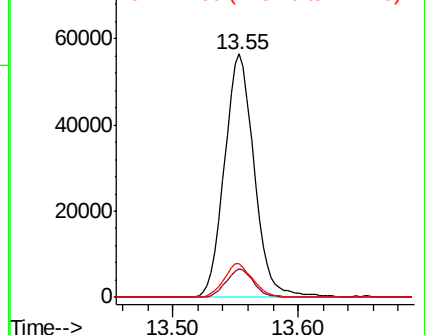
127 13.4 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.984 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009636.D

Acq: 13 Mar 2019 14:51

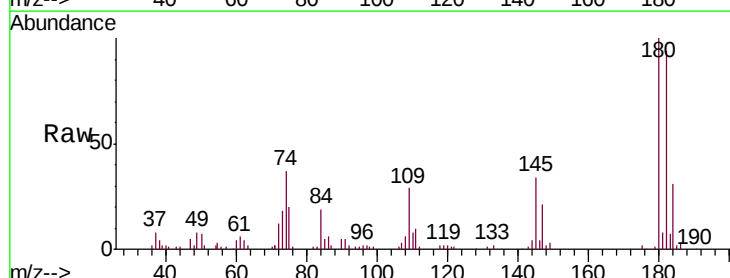
Tgt Ion:180 Resp: 48923

Ion Ratio Lower Upper

180 100

182 94.7 76.9 115.3

145 34.6 27.3 40.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

