

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071918\
 Data File : VV006643.D
 Acq On : 19 Jul 2018 14:51
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

Quant Time: Jul 20 05:09:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 20 05:09:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	269656	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	246602	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	118155	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99073	5.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.80%
7) Chloroethane-d5	1.58	69	70729	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.80%
11) 1,1-Dichloroethene-d2	2.13	63	185997	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.20%
20) 2-Butanone-d5	3.95	46	212913	51.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.60%
24) Chloroform-d	4.41	84	165238	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.09	65	76944	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.10	84	351128	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.12	67	106590	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.36	98	326123	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	7.67	79	37802	5.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.20%
46) 2-Hexanone-d5	8.14	63	190500	54.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.44%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	76995	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	111918	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	96540	3.765 ug/L	# 85
3) Chloromethane	1.26	50	113004	5.211 ug/L	99
5) Vinyl chloride	1.32	62	142547	5.090 ug/L	99
6) Bromomethane	1.53	94	34974	4.405 ug/L	98
8) Chloroethane	1.59	64	81073	5.039 ug/L	98
9) Trichlorofluoromethane	1.77	101	170995	5.088 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	108343	5.143 ug/L	98
12) 1,1-Dichloroethene	2.14	96	99847	5.002 ug/L	97
13) Acetone	2.20	43	157979	50.117 ug/L	99
14) Carbon disulfide	2.32	76	328651	5.077 ug/L	100
15) Methyl Acetate	2.47	43	46466	5.024 ug/L	98
16) Methylene chloride	2.54	84	110984	4.419 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	256376	5.202 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	113682	5.167 ug/L	99
19) 1,1-Dichloroethane	3.23	63	198212	5.102 ug/L	100
21) 2-Butanone	4.04	43	268966	50.944 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	118303	5.135 ug/L	99

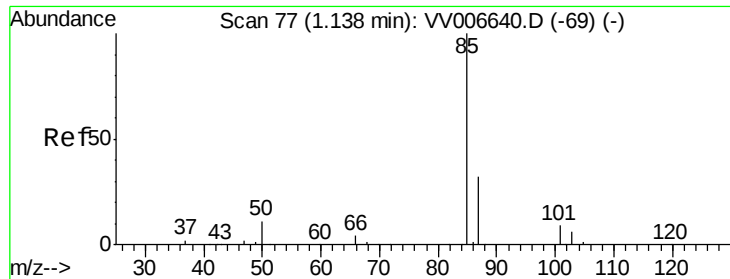
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	48301	5.150	ug/L	96
25) Chloroform	4.44	83	192465	5.142	ug/L	98
27) 1,2-Dichloroethane	5.19	62	112458	5.142	ug/L	100
29) 1,1,1-Trichloroethane	4.67	97	159353	5.170	ug/L	99
30) Cyclohexane	4.73	56	181060	5.254	ug/L	100
31) Carbon tetrachloride	4.88	117	136073	5.162	ug/L	100
33) Benzene	5.15	78	452687	5.219	ug/L	100
34) Trichloroethene	5.96	95	114741	5.228	ug/L	98
35) Methylcyclohexane	6.18	83	194017	5.297	ug/L	100
37) 1,2-Dichloropropane	6.23	63	113830	5.144	ug/L	99
38) Bromodichloromethane	6.56	83	126952	5.165	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	154838	5.321	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	634885	53.075	ug/L	99
42) Toluene	7.44	91	473830	5.285	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	122160	5.400	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	76709	5.153	ug/L	99
47) Tetrachloroethene	8.02	164	91871	5.212	ug/L	99
48) 2-Hexanone	8.19	43	452061	54.061	ug/L	99
49) Dibromochloromethane	8.30	129	82199	5.211	ug/L	99
50) 1,2-Dibromoethane	8.40	107	70260	5.251	ug/L	99
51) Chlorobenzene	8.93	112	304189	5.221	ug/L	99
52) Ethylbenzene	9.06	91	509990	5.299	ug/L	100
53) m,p-xylene	9.19	106	197065	5.384	ug/L	98
54) o-xylene	9.59	106	188174	5.270	ug/L	98
55) Styrene	9.61	104	326958	5.470	ug/L	98
56) Isopropylbenzene	9.98	105	499036	5.328	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	93229	5.221	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	66801	5.120	ug/L	99
61) Bromoform	9.78	173	41866	5.127	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	223244	5.187	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	228663	5.229	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	215914	5.233	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	12219	4.990	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	174502	5.246	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	139719	5.295	ug/L	99
69) Naphthalene	13.56	128	250690	5.488	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	133375	5.365	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 3.765 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006643.D

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Instrument :

MSVOA_V

ClientSampleId :

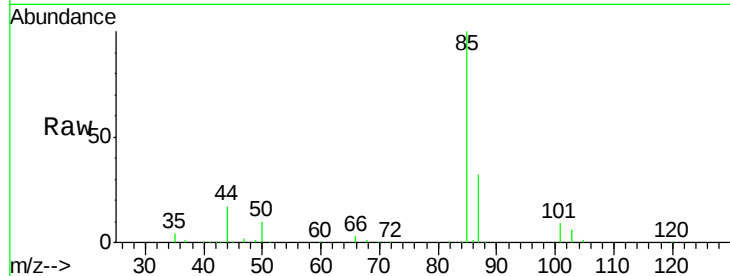
VICV69

Tgt Ion: 85 Resp: 96540

Ion Ratio Lower Upper

85 100

87 31.8 19.4 29.2#



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

120000

100000

80000

60000

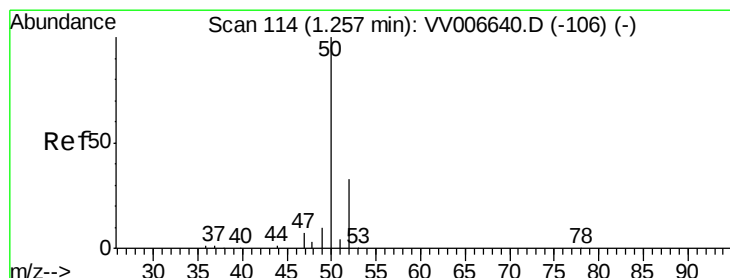
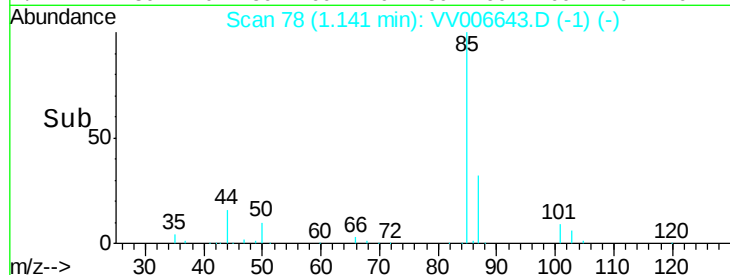
40000

20000

0

1.10 1.12 1.14 1.16

Time-->



#3

Chloromethane

Concen: 5.211 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006643.D

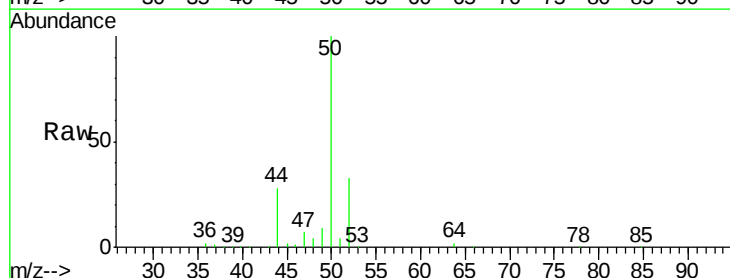
Acq: 19 Jul 2018 14:51

Tgt Ion: 50 Resp: 113004

Ion Ratio Lower Upper

50 100

52 32.6 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

60000

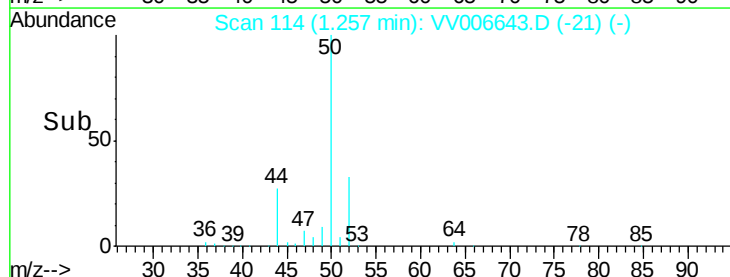
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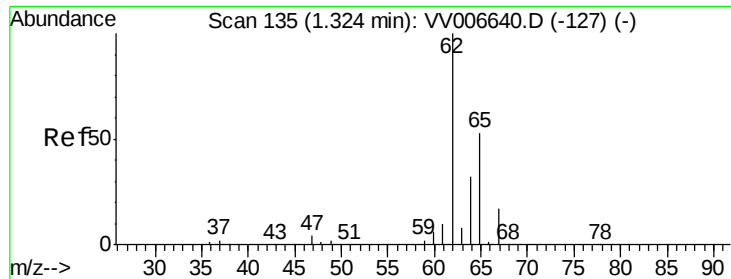
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 5.090 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

Instrument :

MSVOA_V

ClientSampleId :

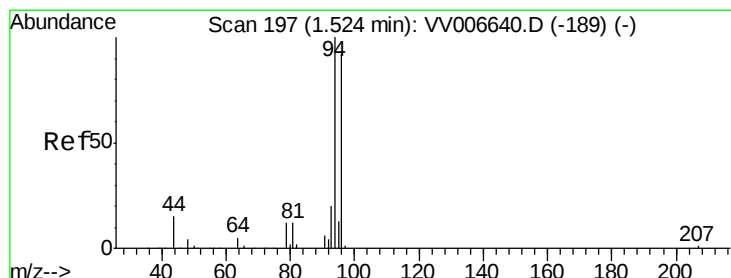
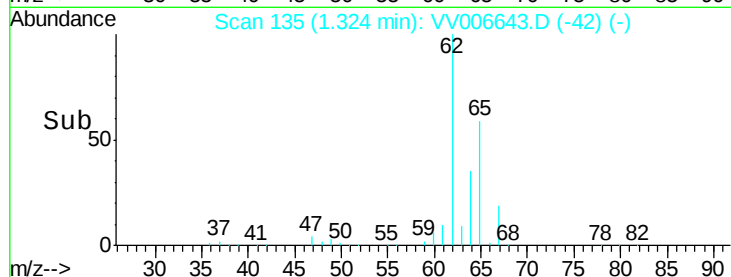
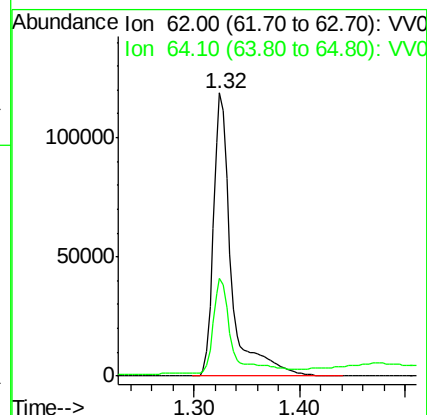
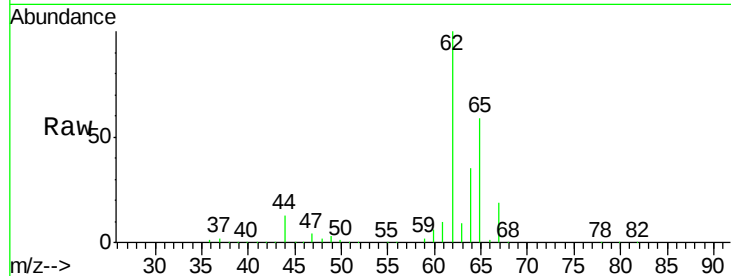
VICV69

Tgt Ion: 62 Resp: 142547

Ion Ratio Lower Upper

62 100

64 34.7 23.7 44.1



#6

Bromomethane

Concen: 4.405 ug/L

RT: 1.53 min Scan# 199

Delta R.T. 0.01 min

Lab File: VV006643.D

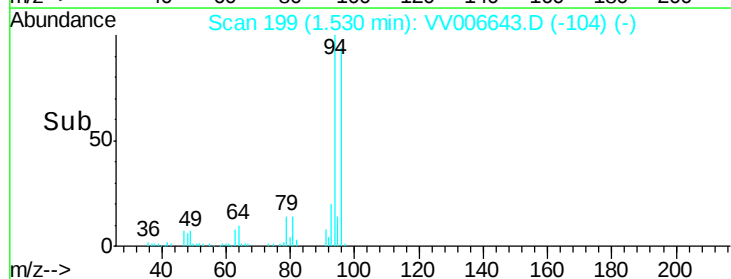
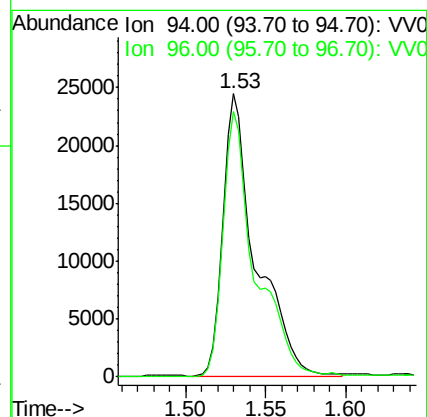
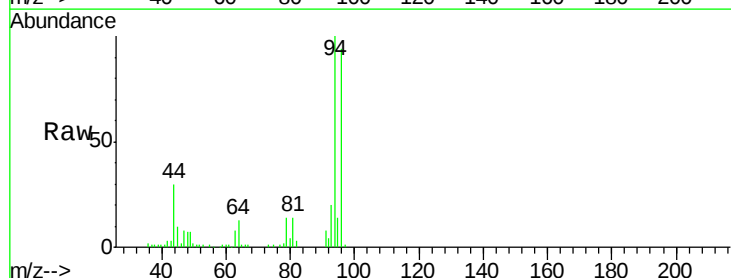
Acq: 19 Jul 2018 14:51

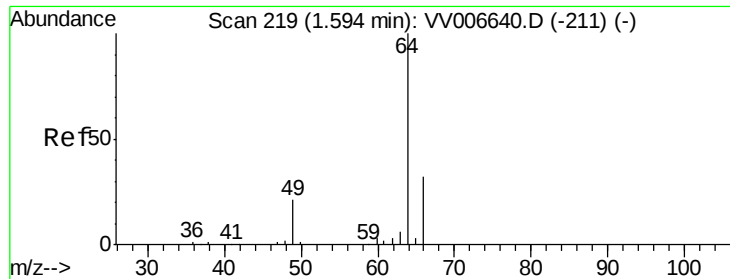
Tgt Ion: 94 Resp: 34974

Ion Ratio Lower Upper

94 100

96 93.8 64.5 119.7





#8

Chloroethane

Concen: 5.039 ug/L

RT: 1.59 min Scan# 219

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

Instrument :

MSVOA_V

ClientSampleId :

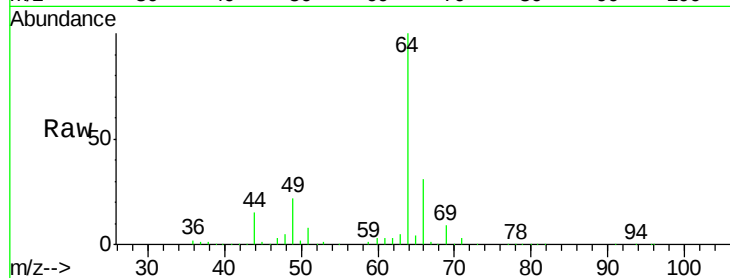
VICV69

Tgt Ion: 64 Resp: 81073

Ion Ratio Lower Upper

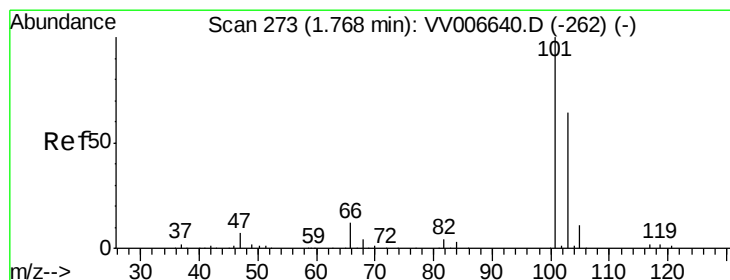
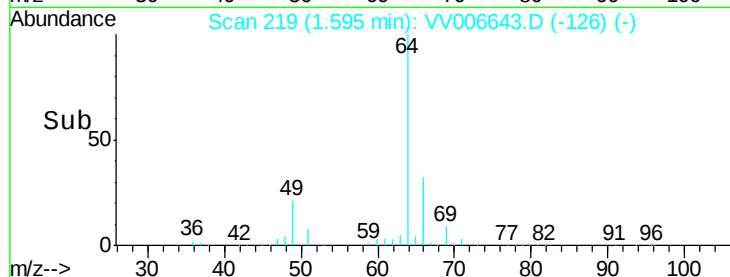
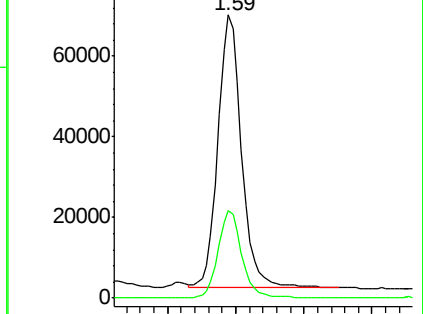
64 100

66 31.1 21.1 39.3



Abundance Ion 64.10 (63.80 to 64.80): VV006643.D (-126) (-)

Ion 66.05 (65.75 to 66.75): VV006643.D (-126) (-)



#9

Trichlorofluoromethane

Concen: 5.088 ug/L

RT: 1.77 min Scan# 273

Delta R.T. 0.00 min

Lab File: VV006643.D

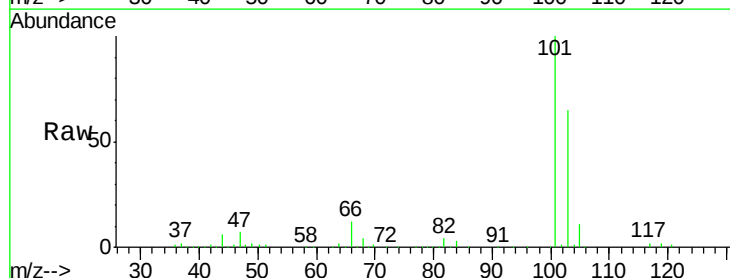
Acq: 19 Jul 2018 14:51

Tgt Ion: 101 Resp: 170995

Ion Ratio Lower Upper

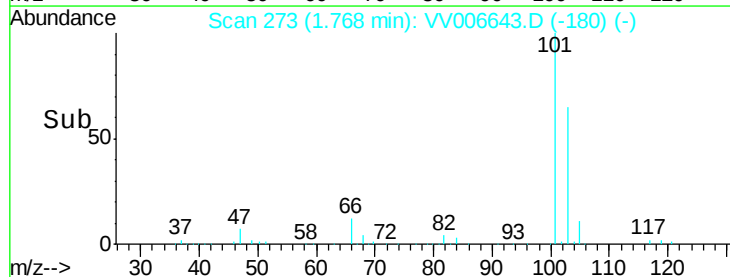
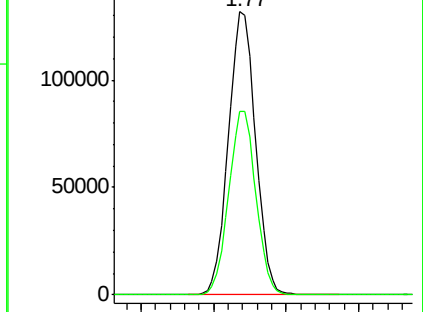
101 100

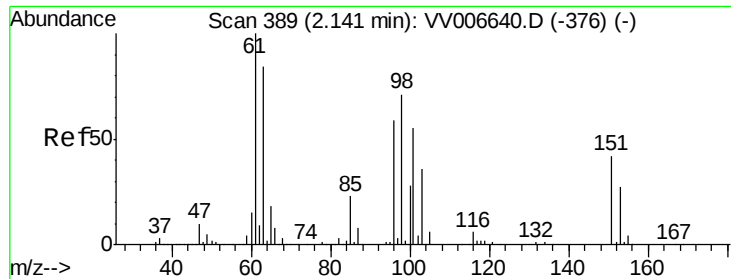
103 65.1 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VV006643.D (-180) (-)

Ion 103.00 (102.70 to 103.70): VV006643.D (-180) (-)





#10

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

Concen: 5.143 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

Instrument :

MSVOA_V

ClientSampled :

VICV69

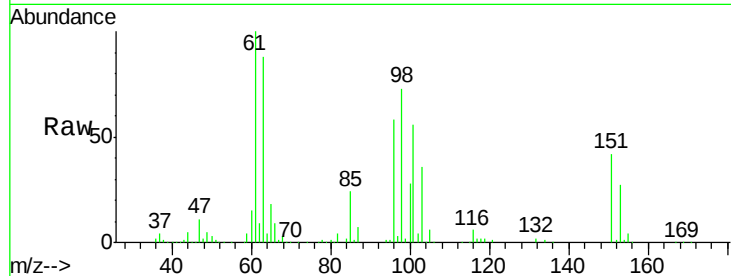
Tgt Ion: 101 Resp: 108343

Ion Ratio Lower Upper

101 100

85 41.5 33.7 50.5

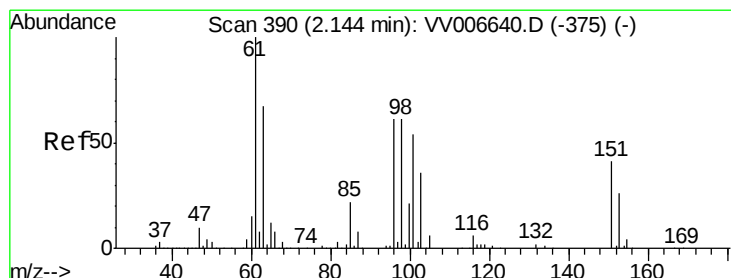
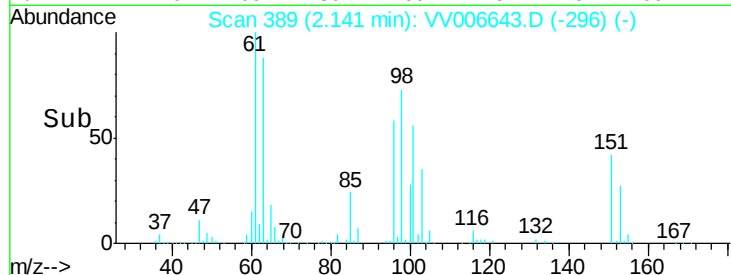
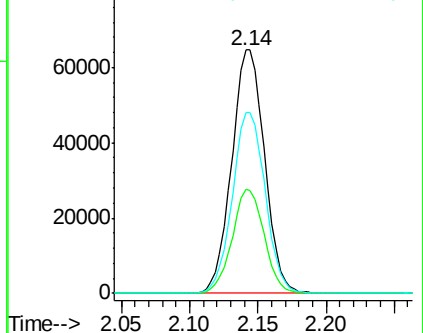
151 74.2 61.0 91.6



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: 5.002 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

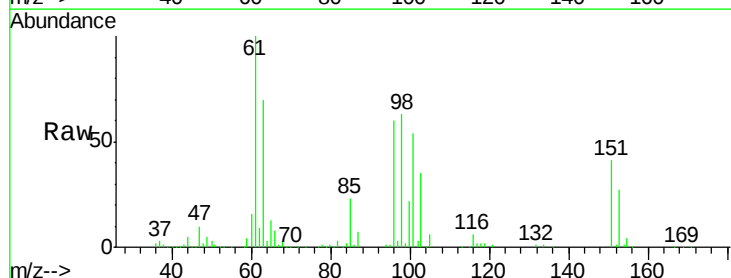
Tgt Ion: 96 Resp: 99847

Ion Ratio Lower Upper

96 100

61 165.7 115.1 213.8

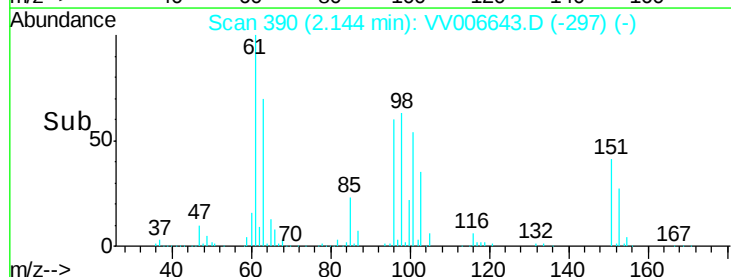
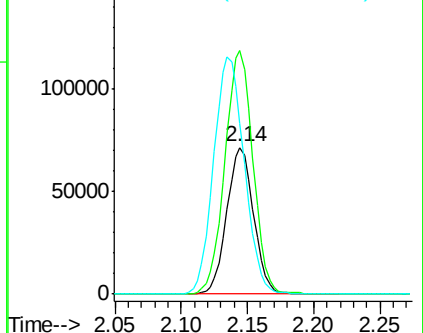
63 115.8 77.2 143.4

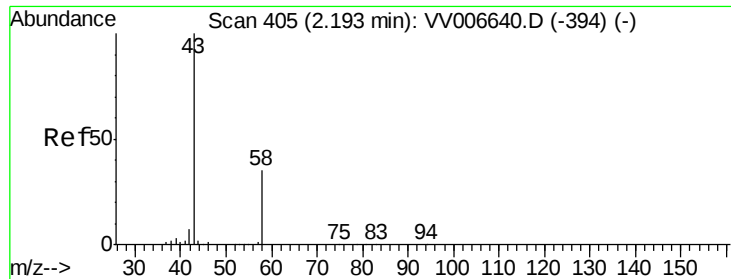


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.117 ug/L

RT: 2.20 min Scan# 407

Delta R.T. 0.01 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

Instrument :

MSVOA_V

ClientSampled :

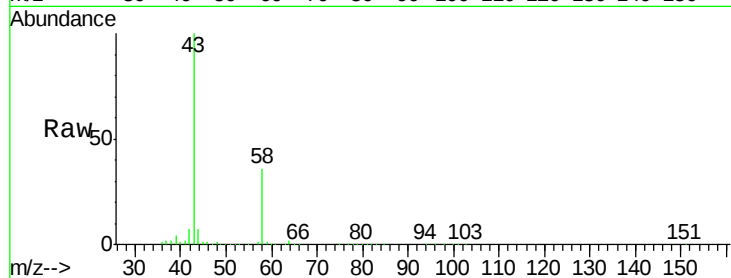
VICV69

Tgt Ion: 43 Resp: 157979

Ion Ratio Lower Upper

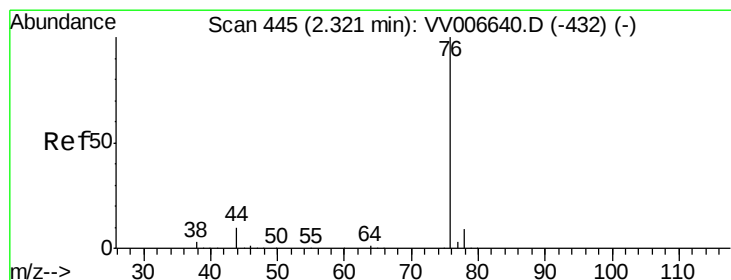
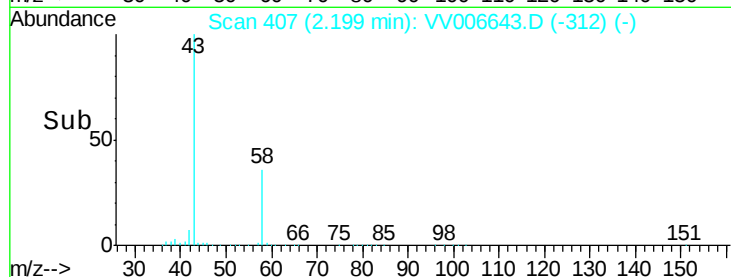
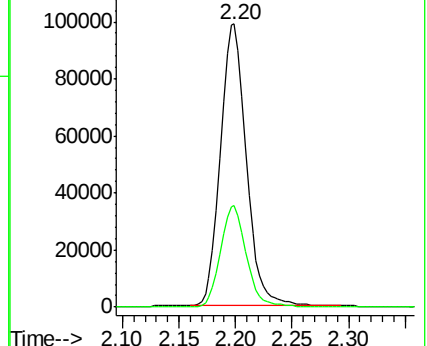
43 100

58 36.1 0.0 72.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 5.077 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006643.D

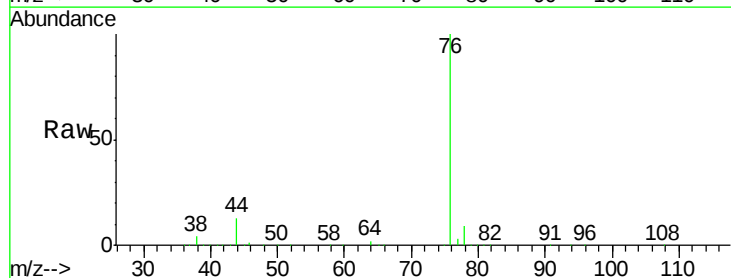
Acq: 19 Jul 2018 14:51

Tgt Ion: 76 Resp: 328651

Ion Ratio Lower Upper

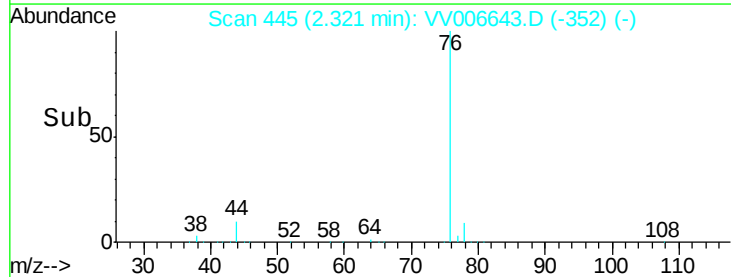
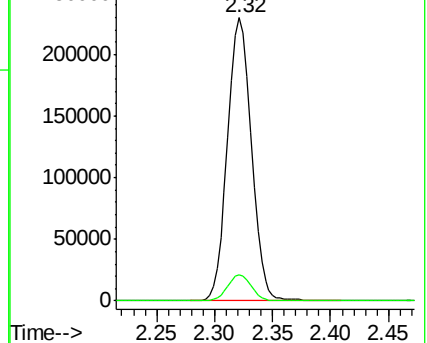
76 100

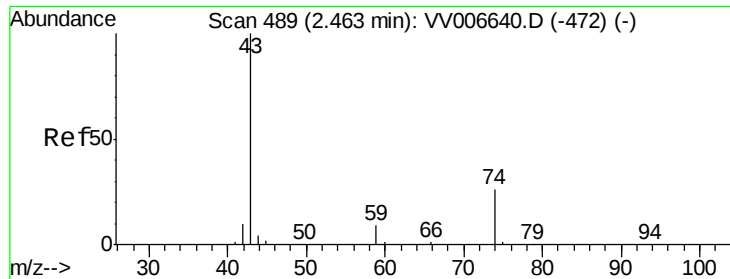
78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 5.024 ug/L

RT: 2.47 min Scan# 490

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

Instrument :

MSVOA_V

ClientSampleId :

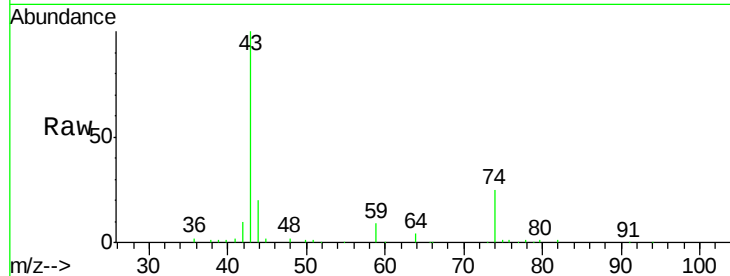
VICV69

Tgt Ion: 43 Resp: 46466

Ion Ratio Lower Upper

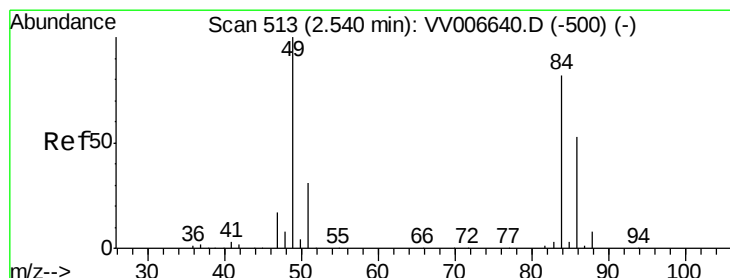
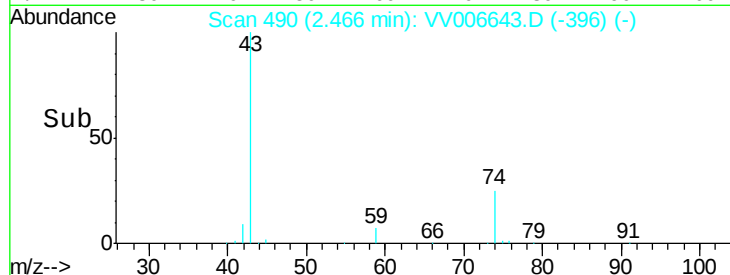
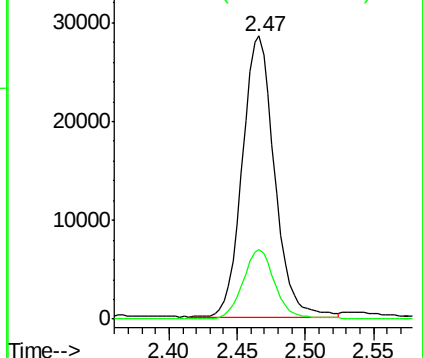
43 100

74 24.5 20.3 30.5



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.419 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

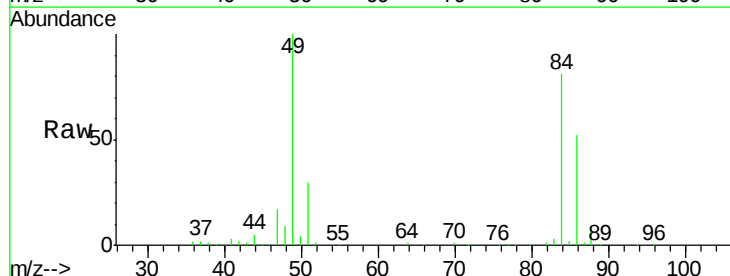
Tgt Ion: 84 Resp: 110984

Ion Ratio Lower Upper

84 100

86 64.8 45.4 84.2

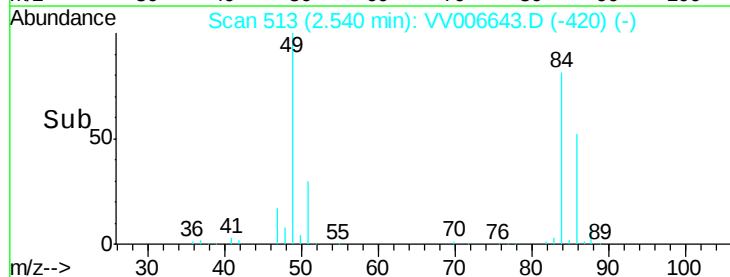
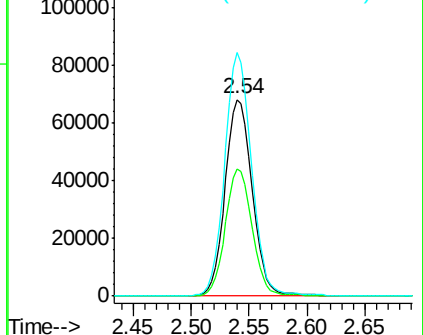
49 123.7 85.1 158.1

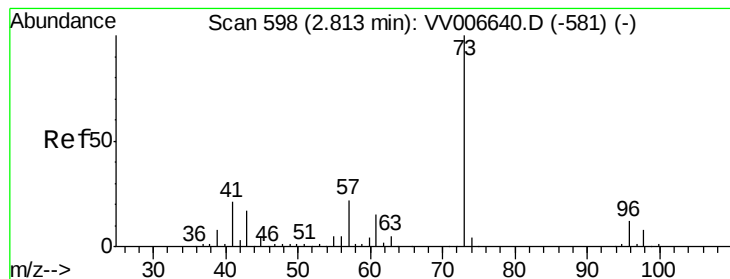


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 5.202 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

Instrument :

MSVOA_V

ClientSampleId :

VICV69

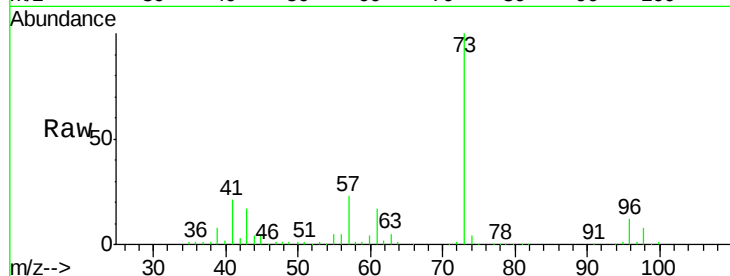
Tgt Ion: 73 Resp: 256376

Ion Ratio Lower Upper

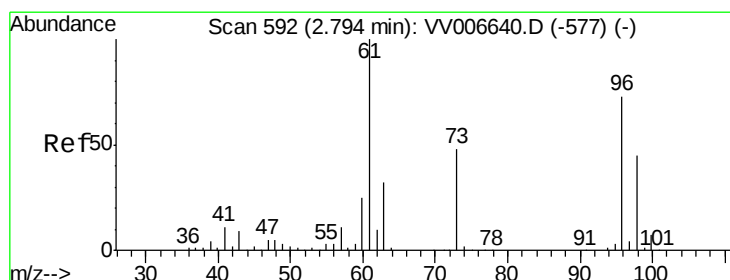
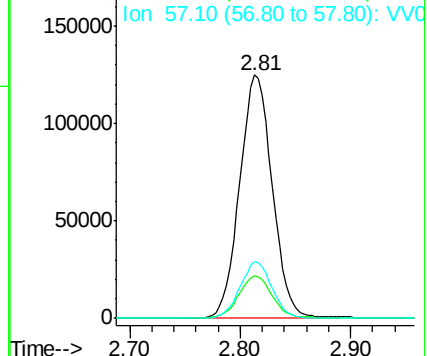
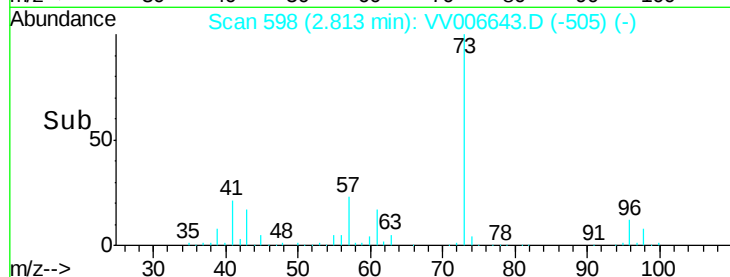
73 100

43 17.2 13.9 20.9

57 22.9 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV006643.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.167 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

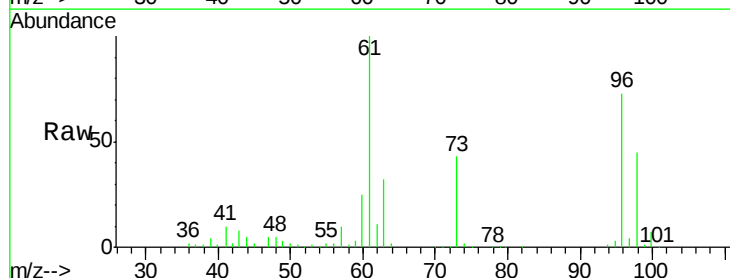
Tgt Ion: 96 Resp: 113682

Ion Ratio Lower Upper

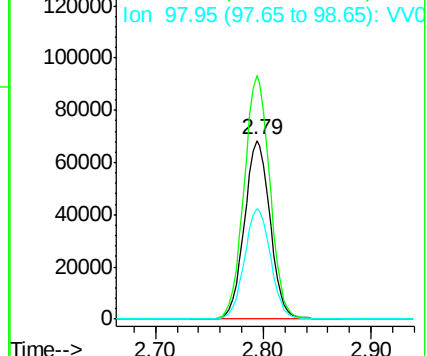
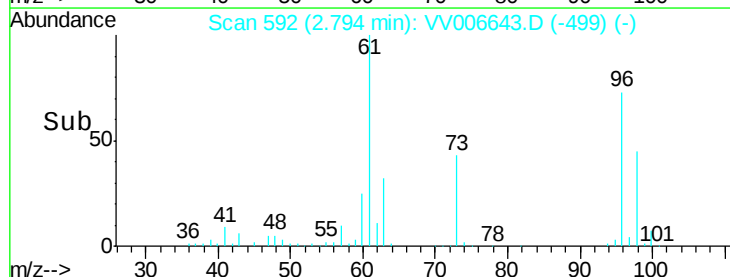
96 100

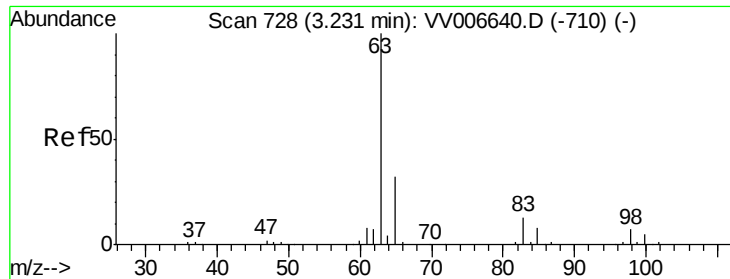
61 136.2 96.0 178.4

98 61.7 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VV006643.D (-499) (-)

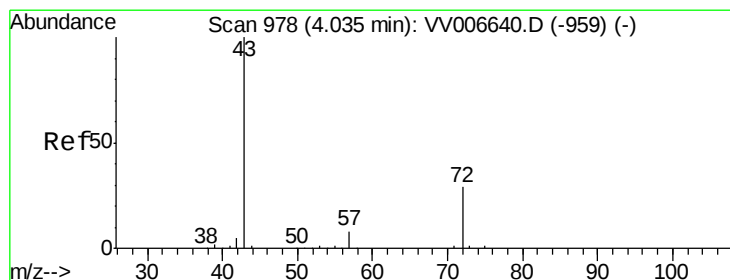
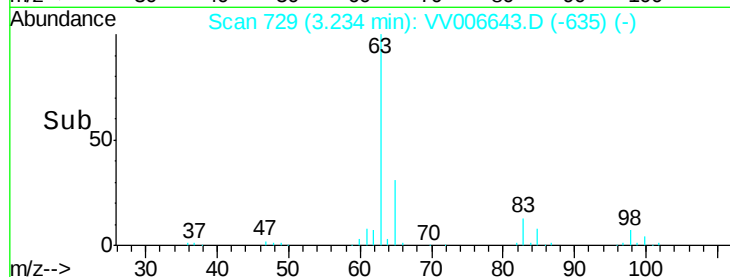
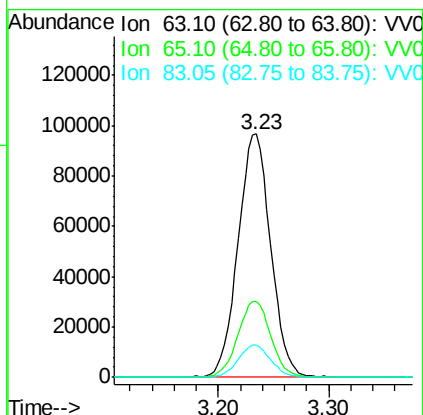
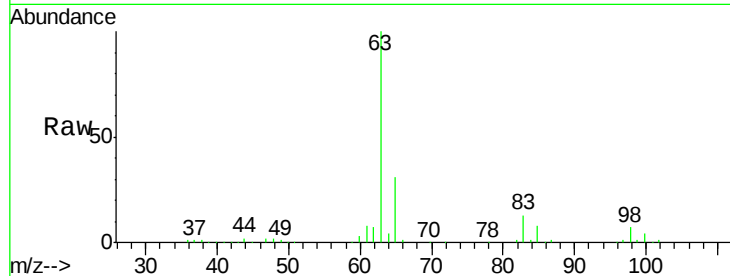




#19
 1,1-Dichloroethane
 Concen: 5.102 ug/L
 RT: 3.23 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

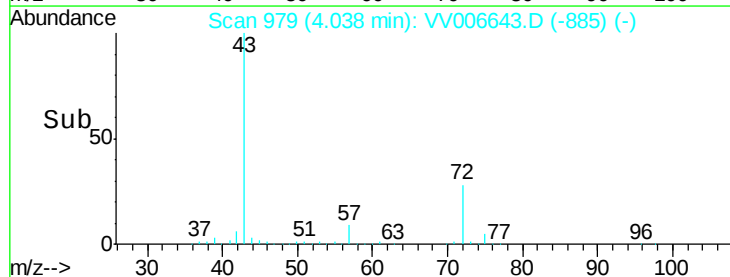
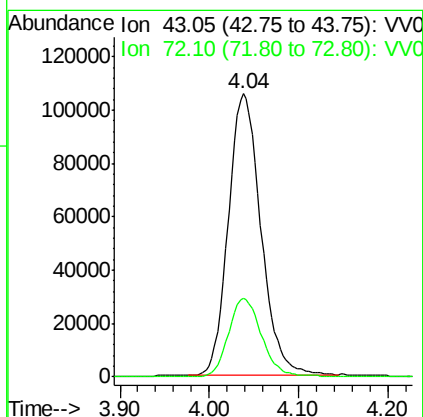
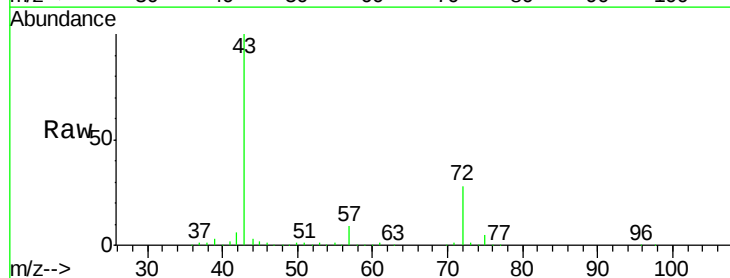
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

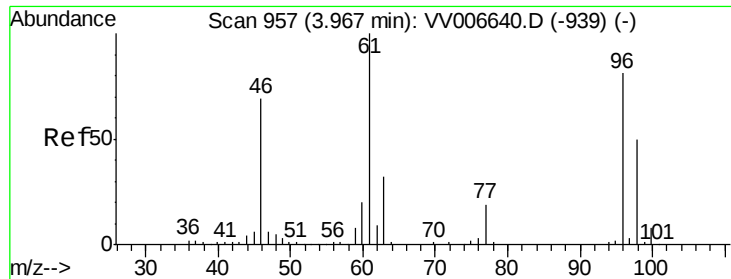
Tgt Ion: 63 Resp: 198212
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.1 41.1
 83 13.3 9.2 17.0



#21
 2-Butanone
 Concen: 50.944 ug/L
 RT: 4.04 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

Tgt Ion: 43 Resp: 268966
 Ion Ratio Lower Upper
 43 100
 72 28.0 13.9 41.6

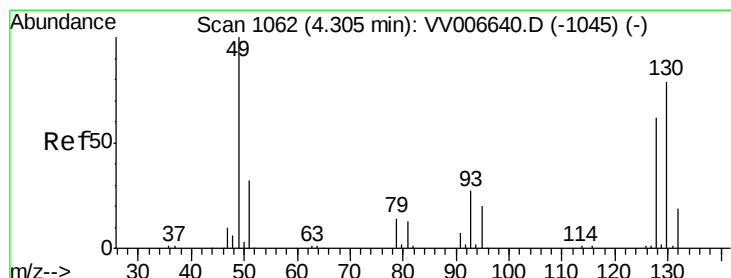
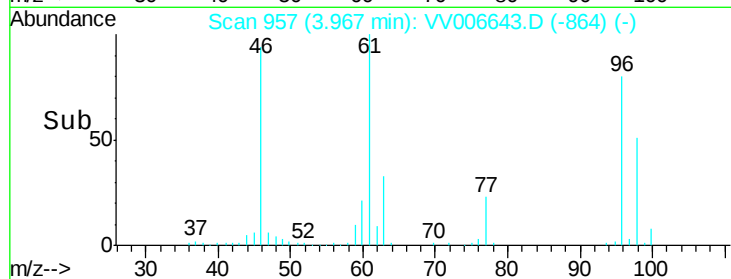
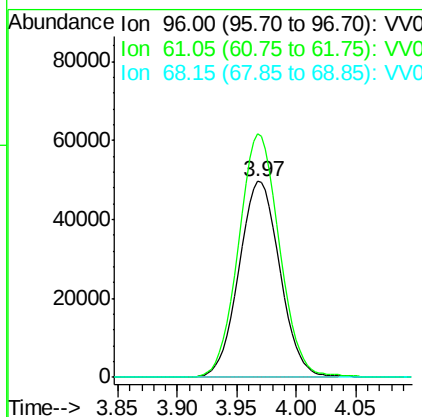
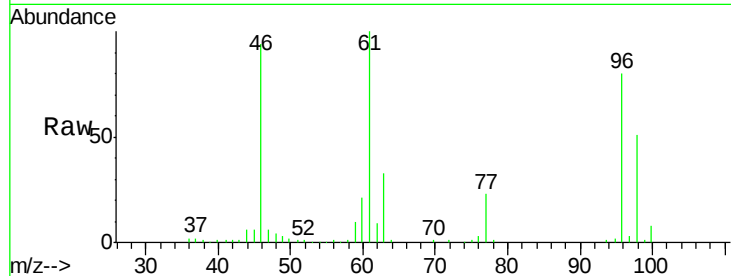




#22
 cis-1,2-Dichloroethene
 Concen: 5.135 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

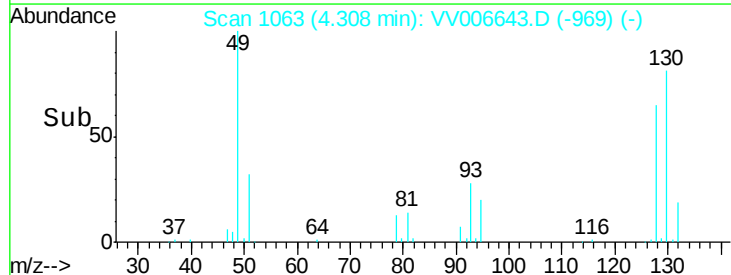
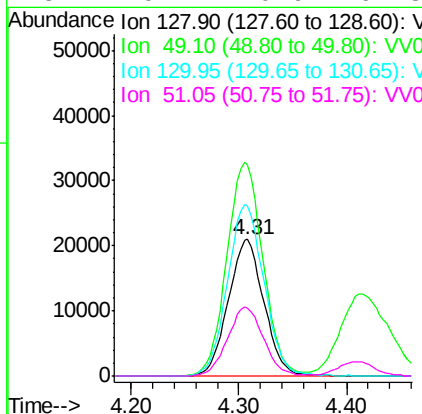
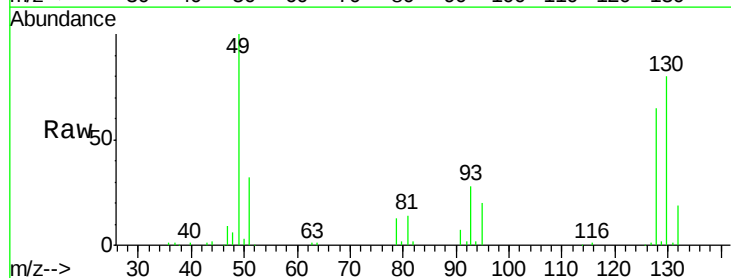
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

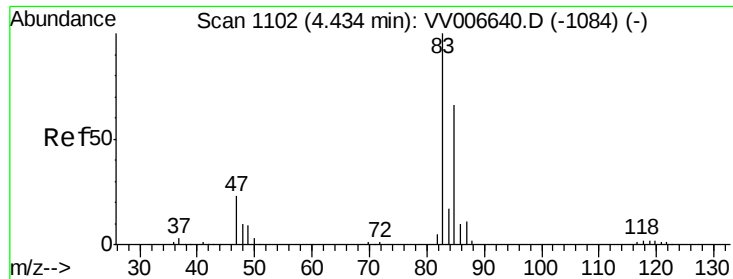
Tgt Ion: 96 Resp: 118303
 Ion Ratio Lower Upper
 96 100
 61 124.2 86.2 160.0
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.150 ug/L
 RT: 4.31 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

Tgt Ion: 128 Resp: 48301
 Ion Ratio Lower Upper
 128 100
 49 153.9 113.0 209.8
 130 123.9 89.3 165.9
 51 49.2 40.9 61.3





#25

Chloroform

Concen: 5.142 ug/L

RT: 4.44 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

Instrument :

MSVOA_V

ClientSampleId :

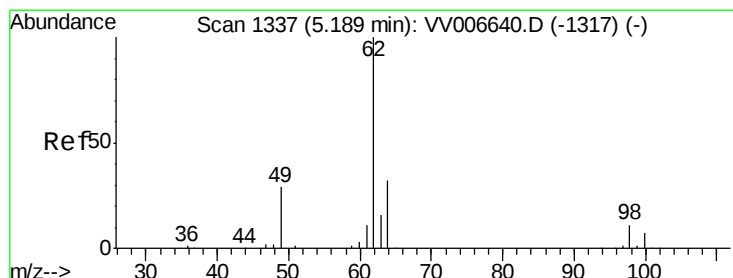
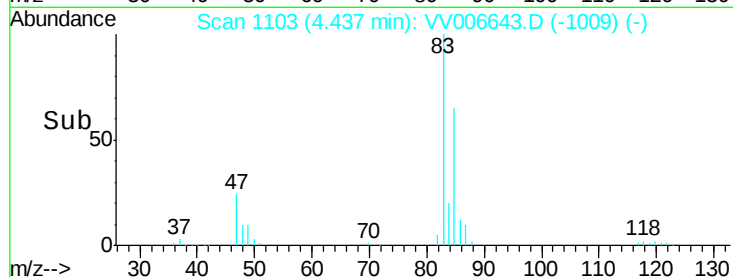
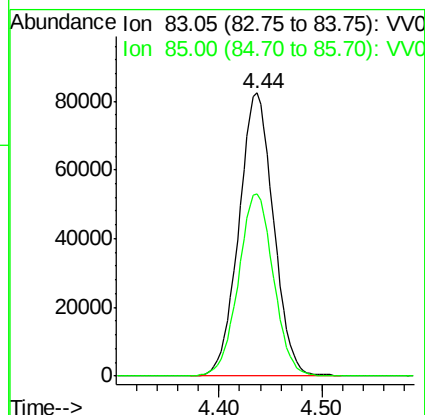
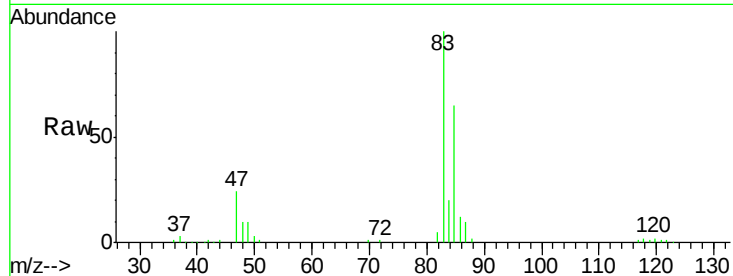
VICV69

Tgt Ion: 83 Resp: 192465

Ion Ratio Lower Upper

83 100

85 64.6 46.1 85.7



#27

1,2-Dichloroethane

Concen: 5.142 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV006643.D

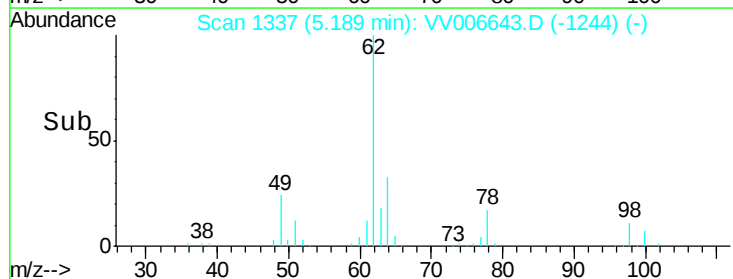
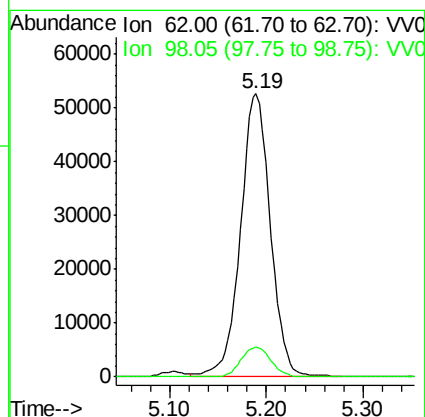
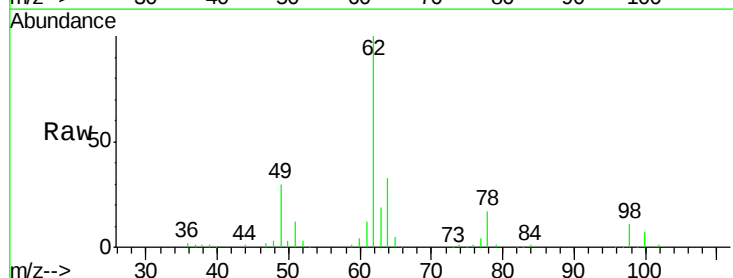
Acq: 19 Jul 2018 14:51

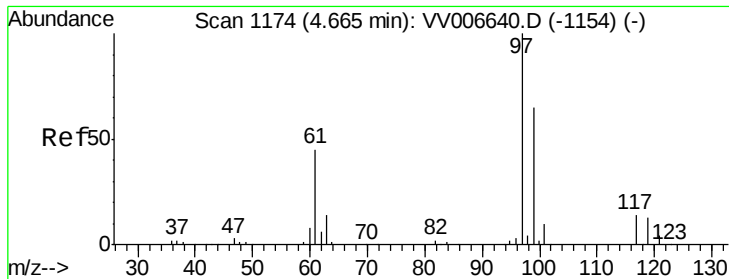
Tgt Ion: 62 Resp: 112458

Ion Ratio Lower Upper

62 100

98 10.5 8.4 12.6

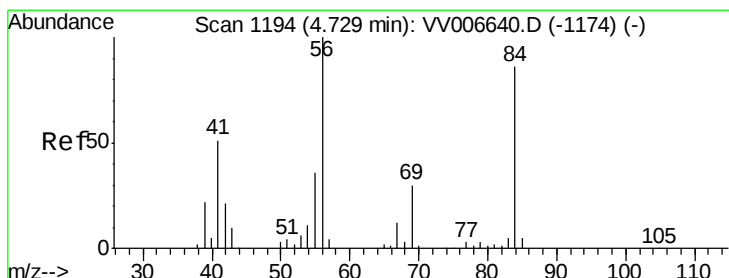
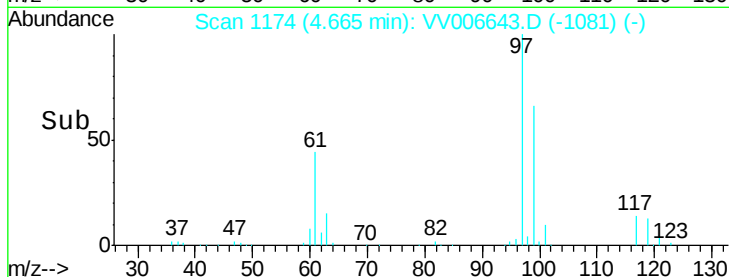
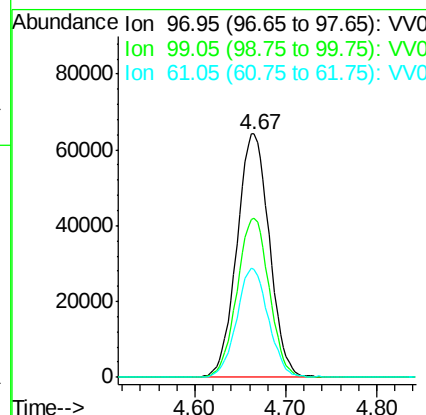
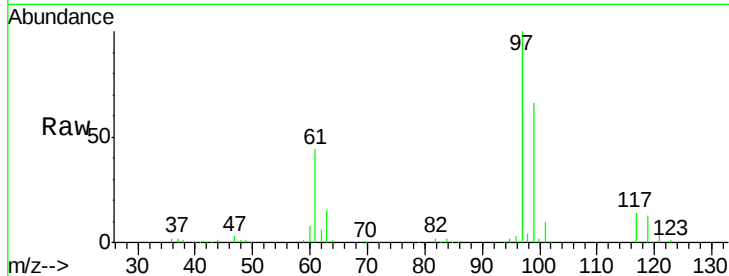




#29
 1,1,1-Trichloroethane
 Concen: 5.170 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

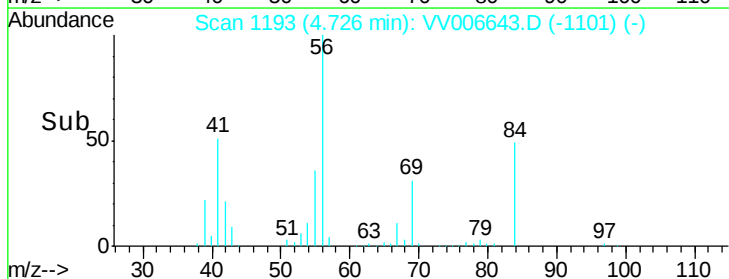
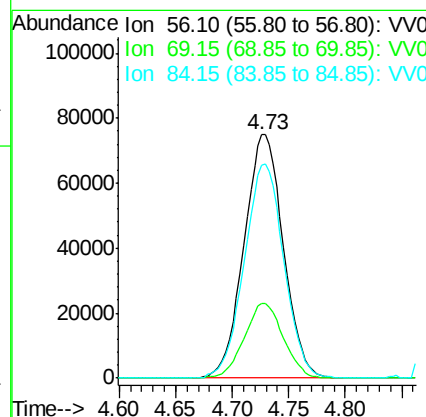
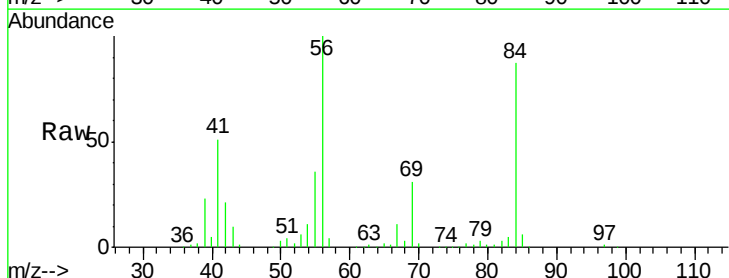
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

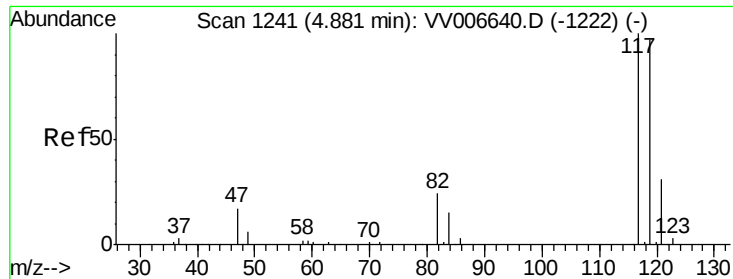
Tgt Ion: 97 Resp: 159353
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.5 77.3
 61 43.7 35.4 53.2



#30
 Cyclohexane
 Concen: 5.254 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

Tgt Ion: 56 Resp: 181060
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.0 36.0
 84 88.8 71.0 106.6





#31

Carbon tetrachloride

Concen: 5.162 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

Instrument :

MSVOA_V

ClientSampleId :

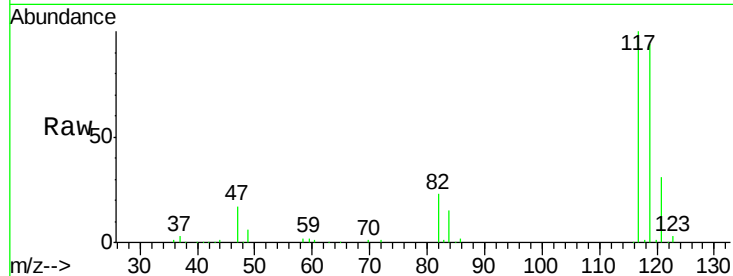
VICV69

Tgt Ion:117 Resp: 136073

Ion Ratio Lower Upper

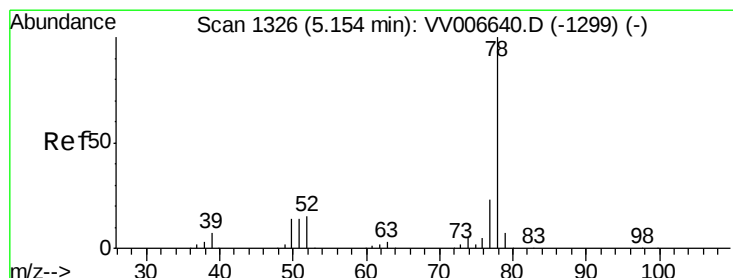
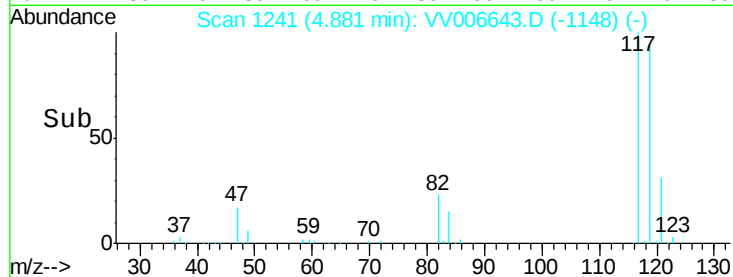
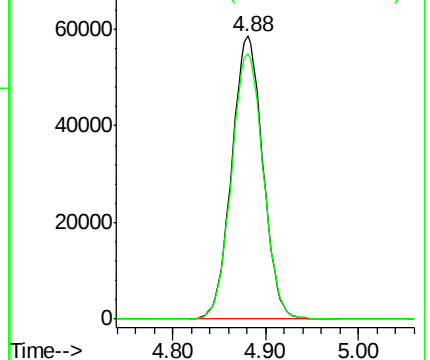
117 100

119 96.1 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.219 ug/L

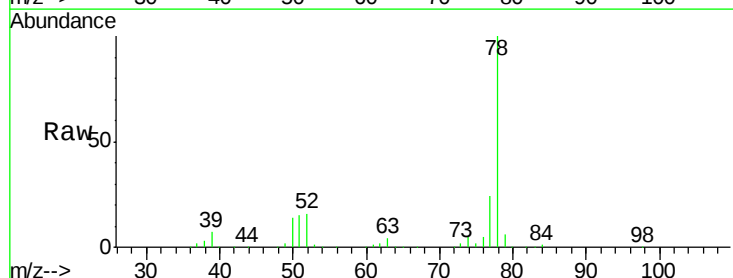
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

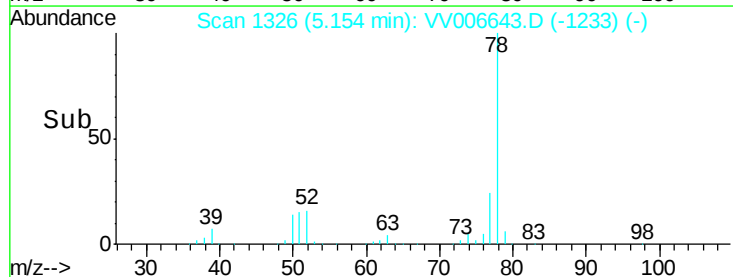
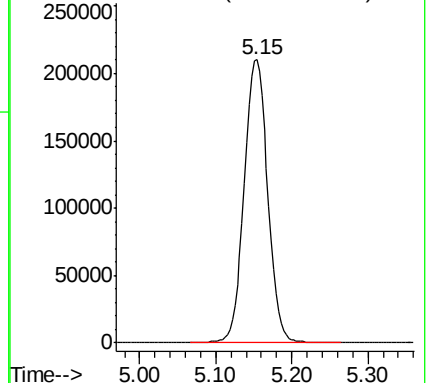
Lab File: VV006643.D

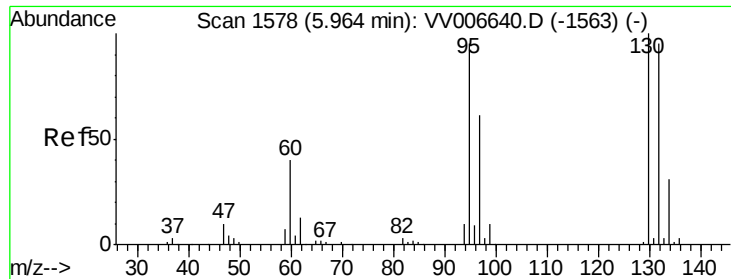
Acq: 19 Jul 2018 14:51

Tgt Ion: 78 Resp: 452687



Abundance Ion 78.10 (77.80 to 78.80): VV0

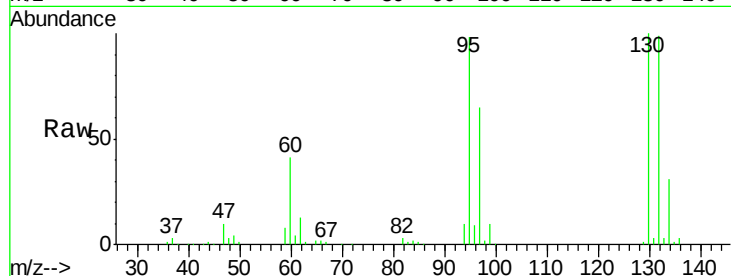




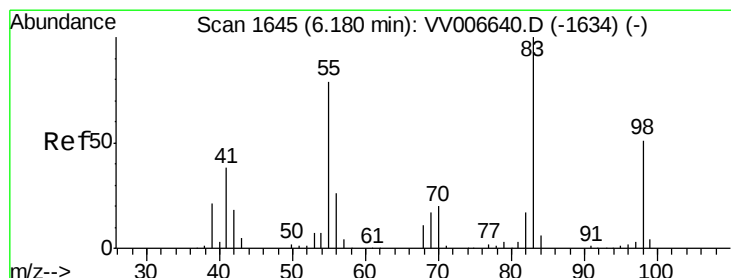
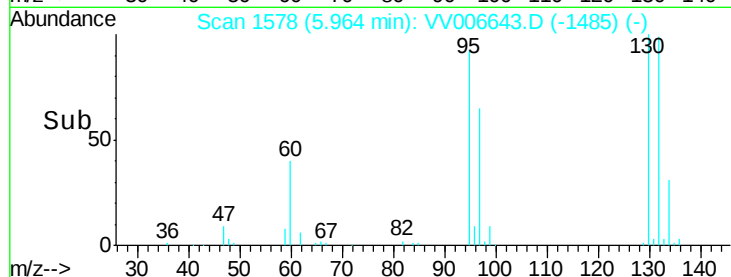
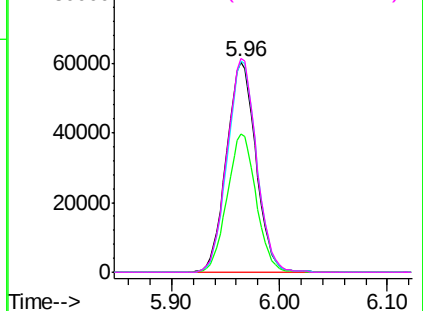
#34
 Trichloroethene
 Concen: 5.228 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

Tgt Ion: 95 Resp: 114741
 Ion Ratio Lower Upper
 95 100
 97 66.0 45.3 84.1
 132 100.4 70.3 130.7
 130 101.7 73.7 136.9

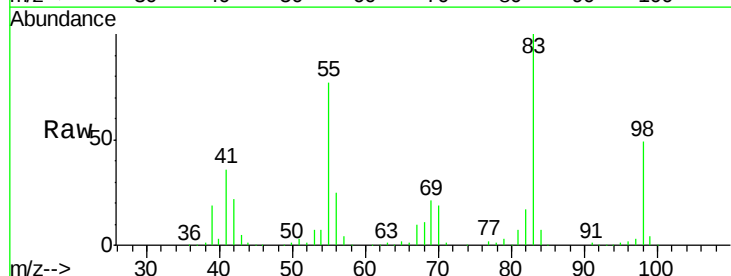


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

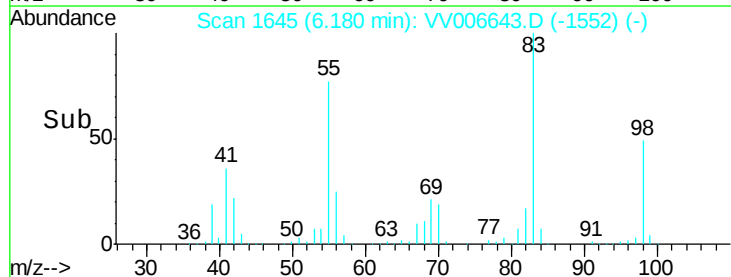
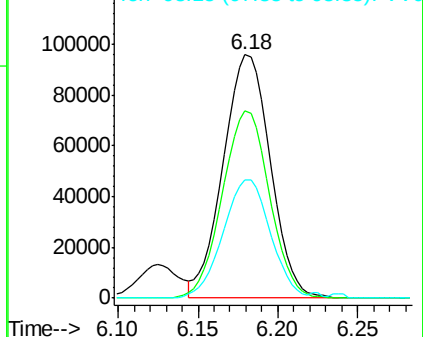


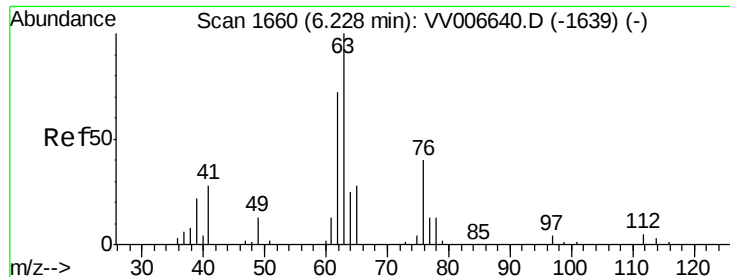
#35
 Methylcyclohexane
 Concen: 5.297 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

Tgt Ion: 83 Resp: 194017
 Ion Ratio Lower Upper
 83 100
 55 76.8 61.3 91.9
 98 48.8 39.4 59.0



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

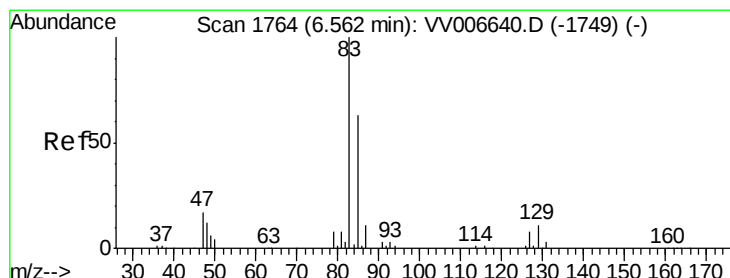
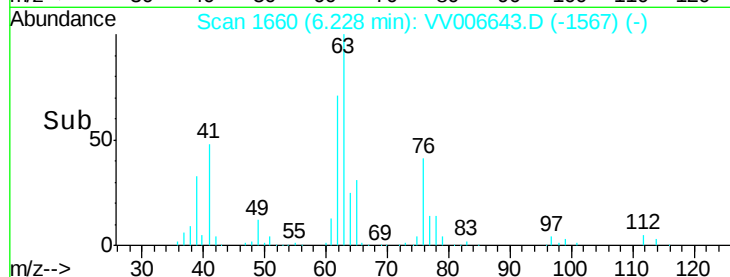
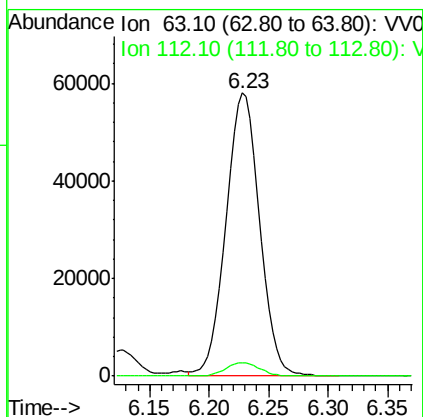
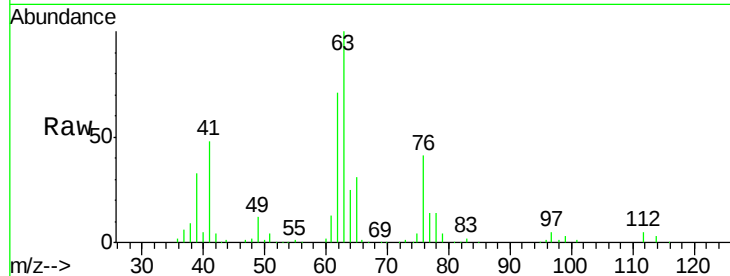




#37
 1,2-Dichloropropane
 Concen: 5.144 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

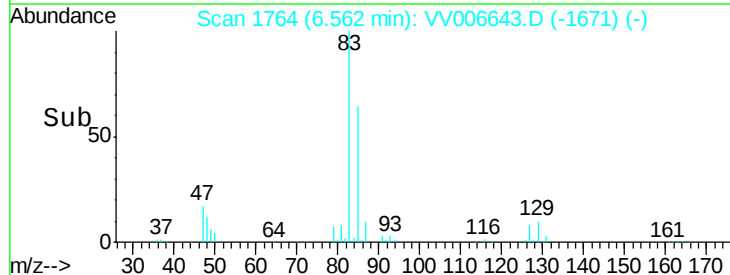
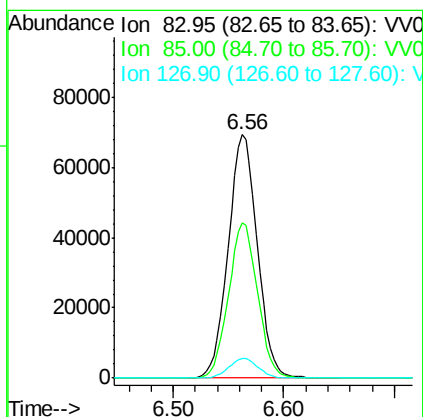
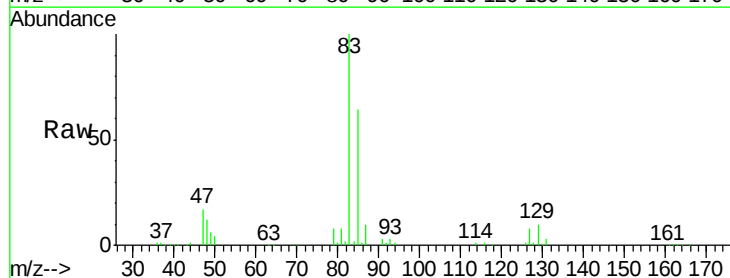
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

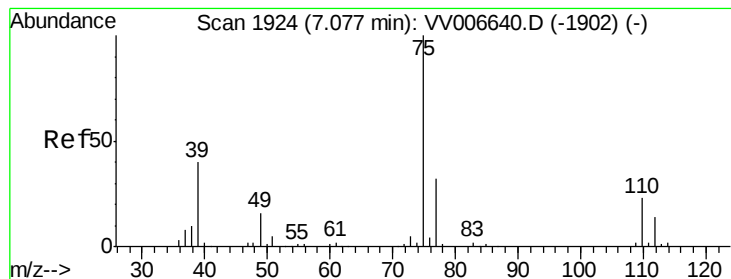
Tgt Ion: 63 Resp: 113830
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.165 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

Tgt Ion: 83 Resp: 126952
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.3 82.3
 127 8.1 6.5 9.7



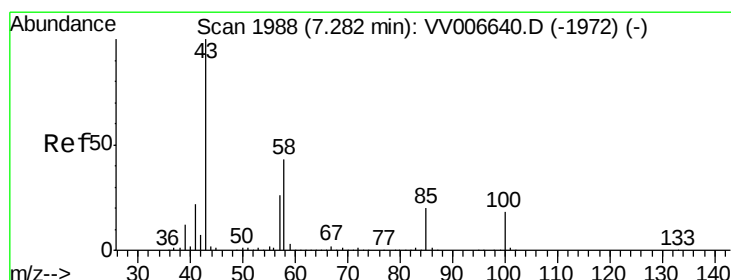
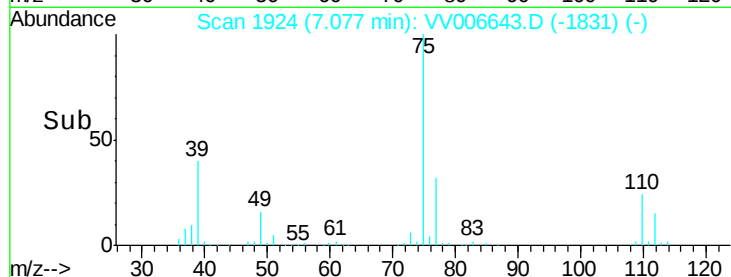
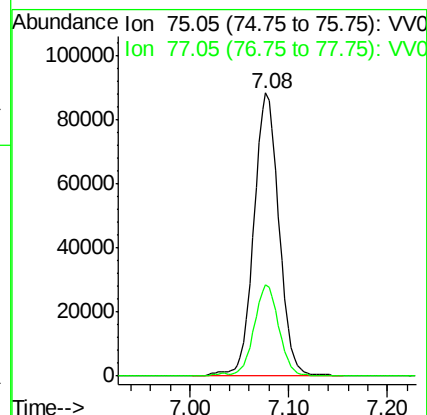
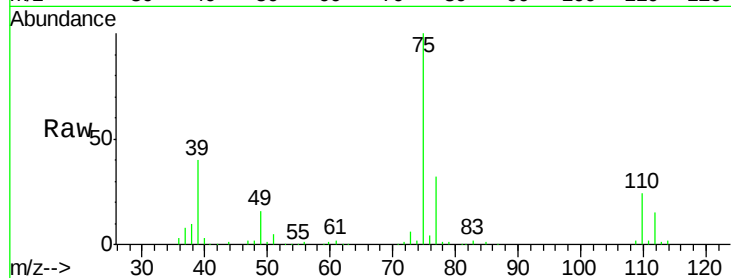


#39

cis-1,3-Dichloropropene
Concen: 5.321 ug/L
RT: 7.08 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV006643.D
Acq: 19 Jul 2018 14:51

Instrument :
MSVOA_V
ClientSampleId :
VICV69

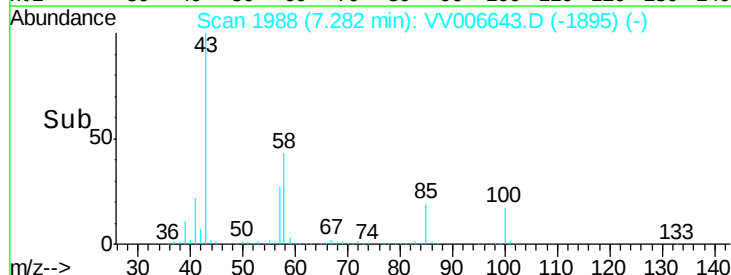
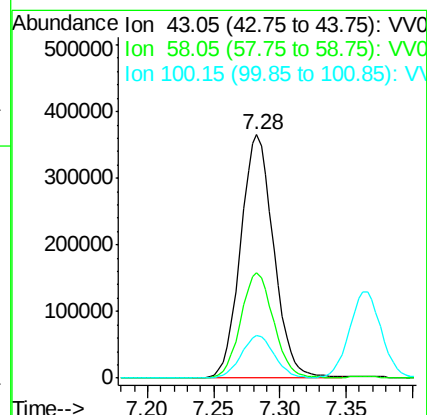
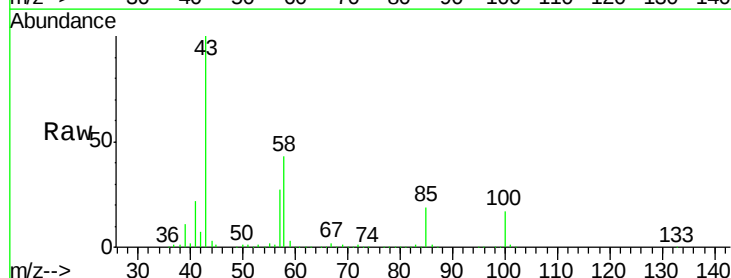
Tgt Ion: 75 Resp: 154838
Ion Ratio Lower Upper
75 100
77 32.1 22.2 41.2

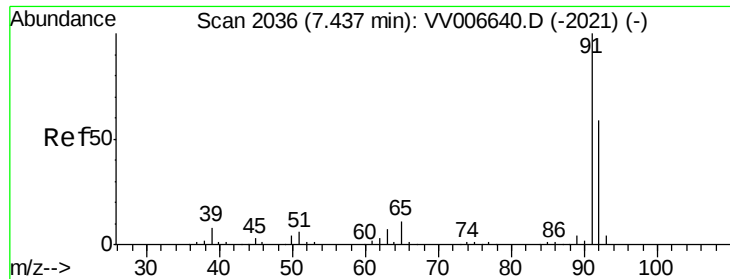


#40

4-Methyl-2-pentanone
Concen: 53.075 ug/L
RT: 7.28 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VV006643.D
Acq: 19 Jul 2018 14:51

Tgt Ion: 43 Resp: 634885
Ion Ratio Lower Upper
43 100
58 43.0 33.6 50.4
100 17.5 13.8 20.8





#42

Toluene

Concen: 5.285 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

Instrument :

MSVOA_V

ClientSampleId :

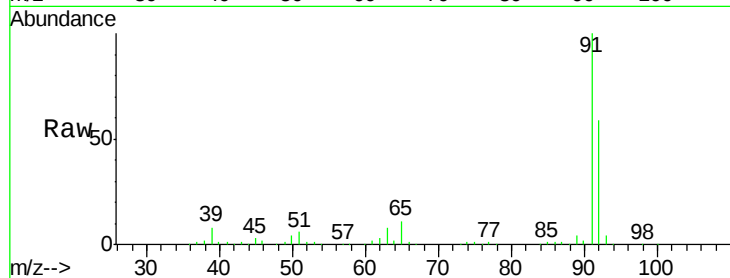
VICV69

Tgt Ion: 91 Resp: 473830

Ion Ratio Lower Upper

91 100

92 59.2 41.4 76.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

300000

250000

200000

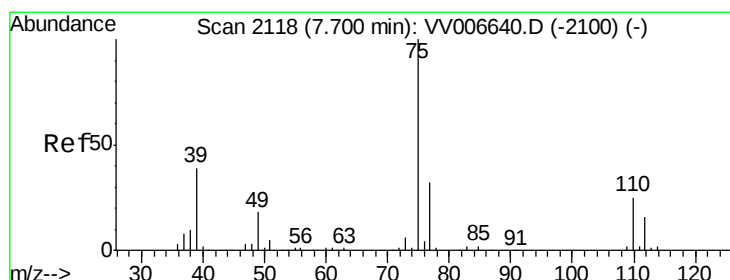
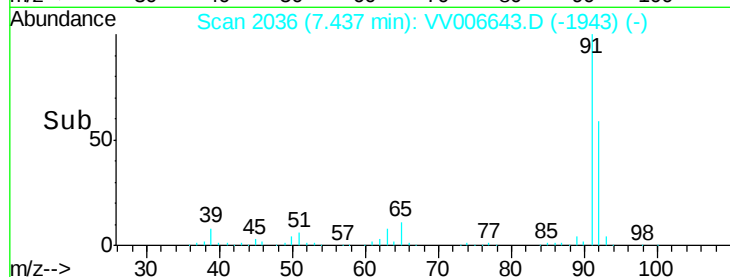
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.400 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006643.D

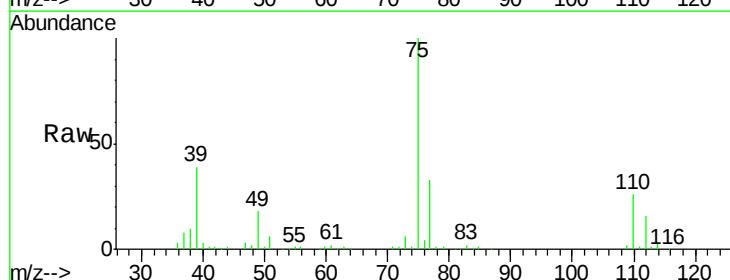
Acq: 19 Jul 2018 14:51

Tgt Ion: 75 Resp: 122160

Ion Ratio Lower Upper

75 100

77 32.5 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

80000

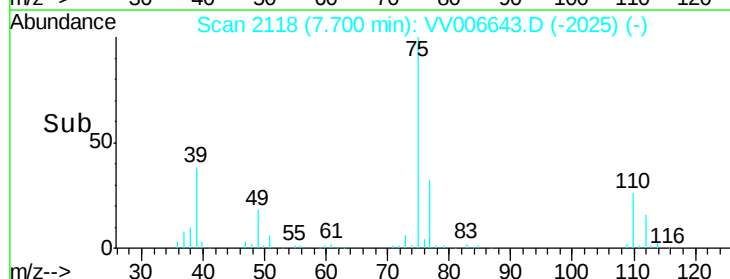
60000

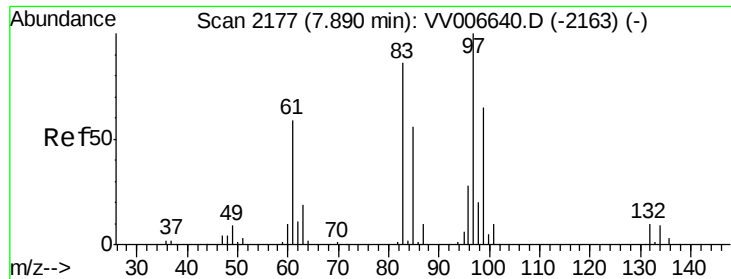
40000

20000

0

Time-->

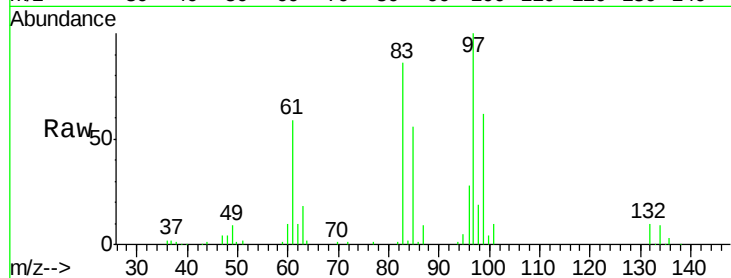




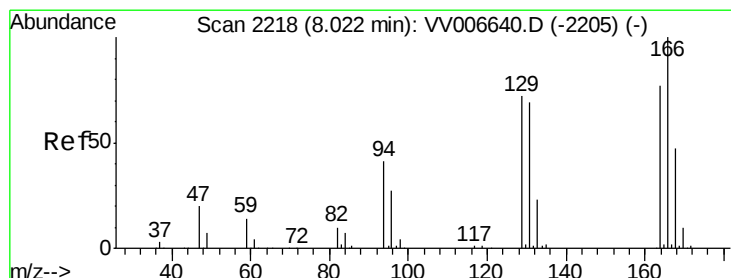
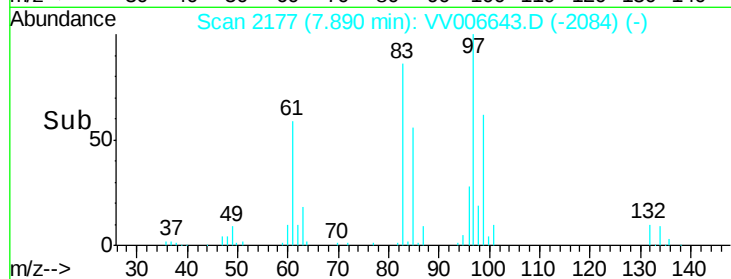
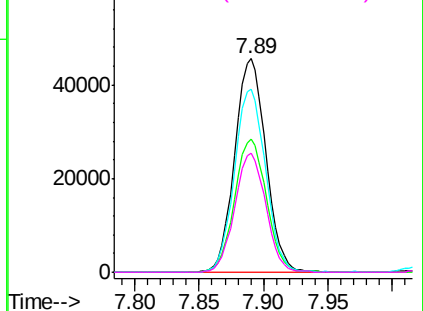
#45
 1,1,2-Trichloroethane
 Concen: 5.153 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

Tgt Ion:	97	Resp:	76709
Ion	Ratio	Lower	Upper
97	100		
99	62.3	45.2	84.0
83	85.8	60.5	112.3
85	55.8	39.0	72.4

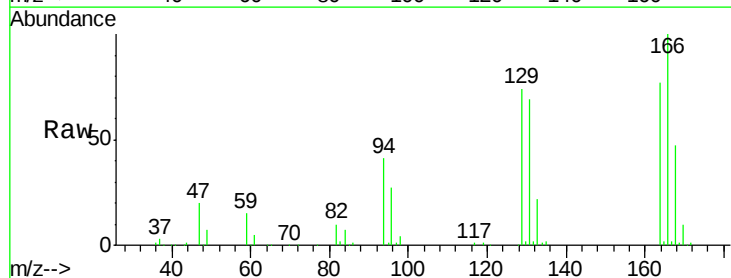


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

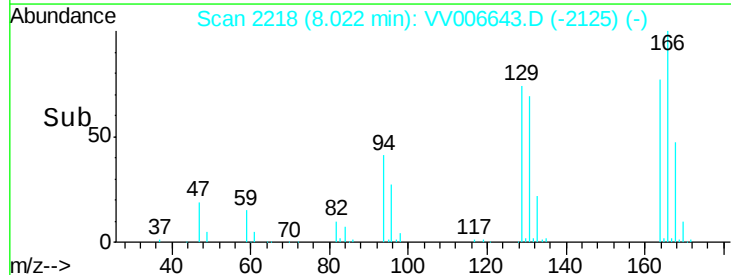
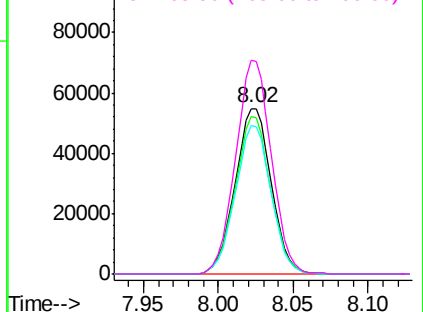


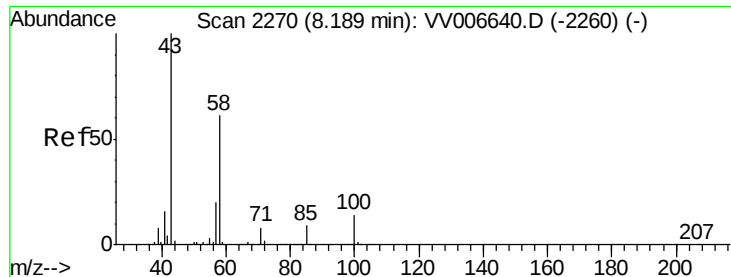
#47
 Tetrachloroethene
 Concen: 5.212 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

Tgt Ion:	164	Resp:	91871
Ion	Ratio	Lower	Upper
164	100		
129	95.0	65.9	122.5
131	89.7	62.9	116.7
166	129.1	91.4	169.8



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

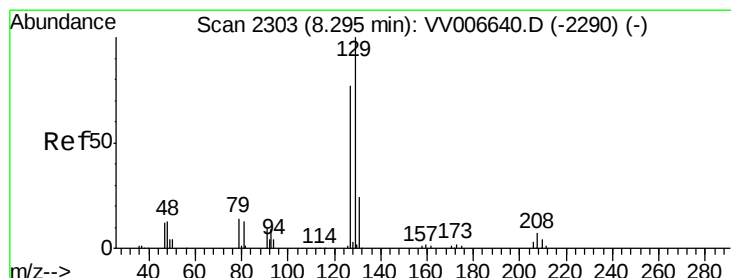
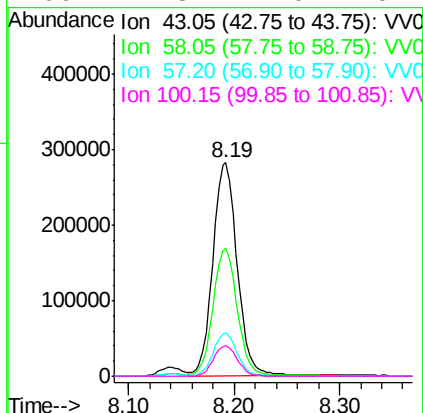
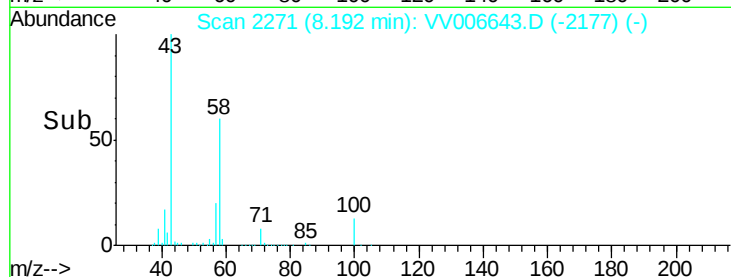
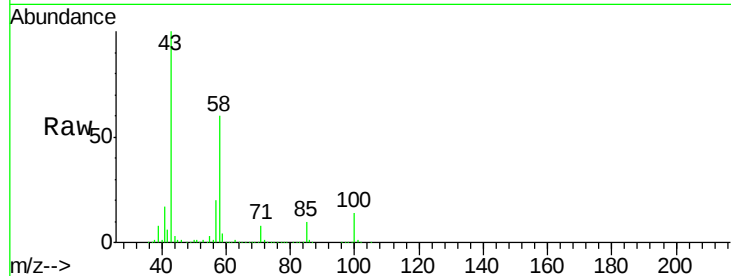




#48
2-Hexanone
Concen: 54.061 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006643.D
Acq: 19 Jul 2018 14:51

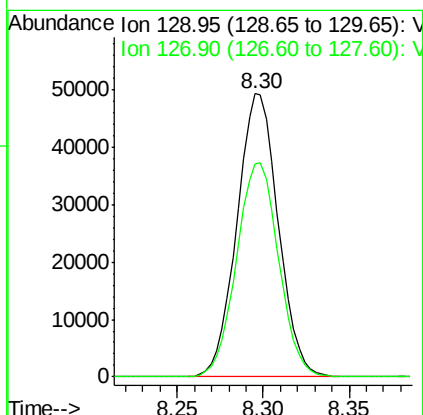
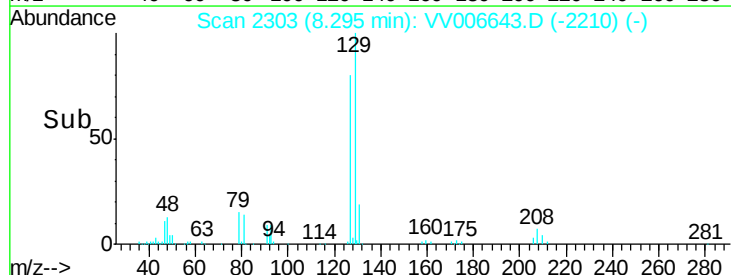
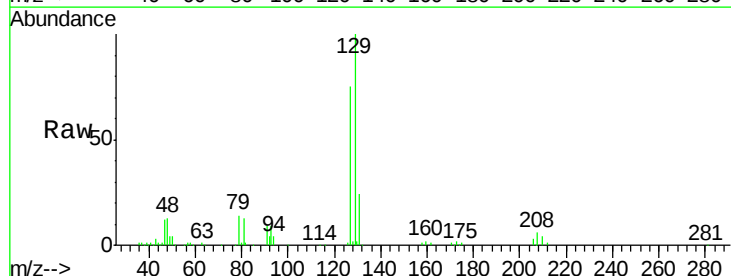
Instrument :
MSVOA_V
ClientSampleId :
VICV69

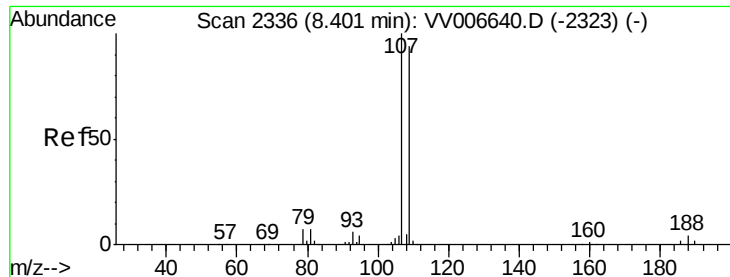
Tgt Ion: 43 Resp: 452061
Ion Ratio Lower Upper
43 100
58 59.6 48.2 72.2
57 20.3 16.2 24.4
100 14.3 11.0 16.4



#49
Dibromochloromethane
Concen: 5.211 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006643.D
Acq: 19 Jul 2018 14:51

Tgt Ion: 129 Resp: 82199
Ion Ratio Lower Upper
129 100
127 75.5 53.6 99.6

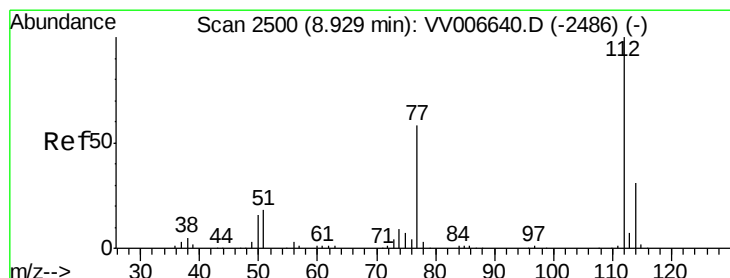
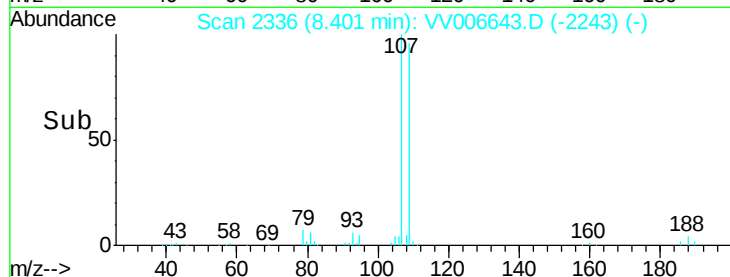
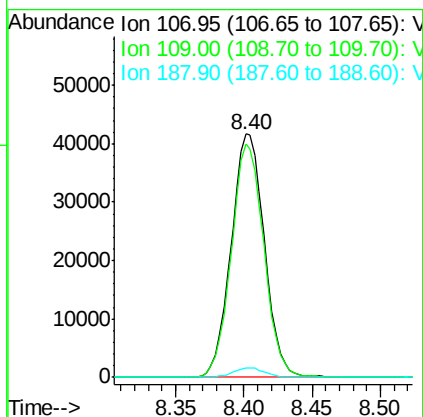
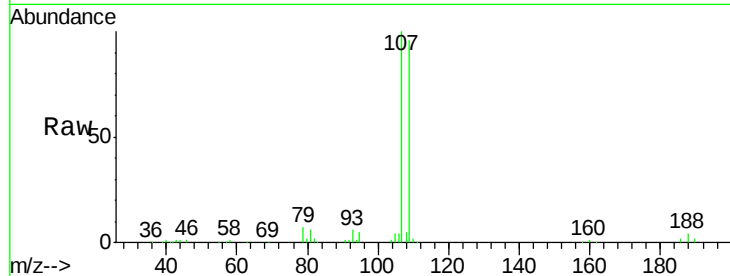




#50
1,2-Dibromoethane
Concen: 5.251 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006643.D
Acq: 19 Jul 2018 14:51

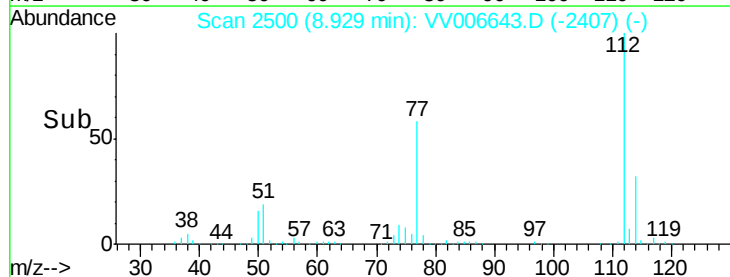
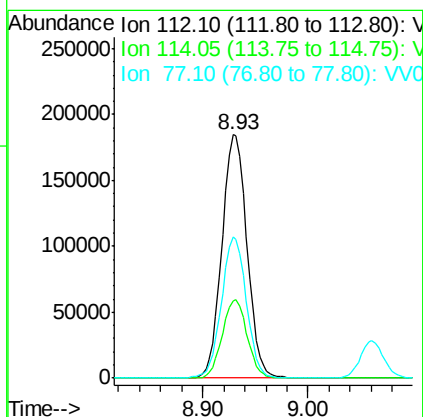
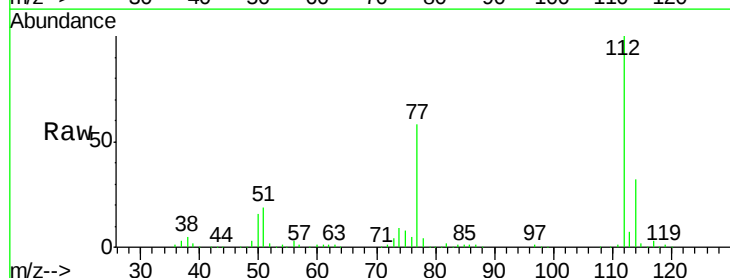
Instrument :
MSVOA_V
ClientSampled :
VICV69

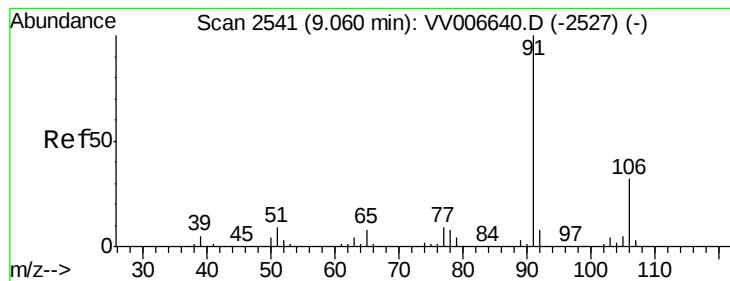
Tgt Ion:107 Resp: 70260
Ion Ratio Lower Upper
107 100
109 95.6 66.0 122.6
188 3.9 3.1 4.7



#51
Chlorobenzene
Concen: 5.221 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006643.D
Acq: 19 Jul 2018 14:51

Tgt Ion:112 Resp: 304189
Ion Ratio Lower Upper
112 100
114 32.0 21.8 40.4
77 57.8 46.6 69.8





#52

Ethylbenzene

Concen: 5.299 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

Instrument :

MSVOA_V

ClientSampleId :

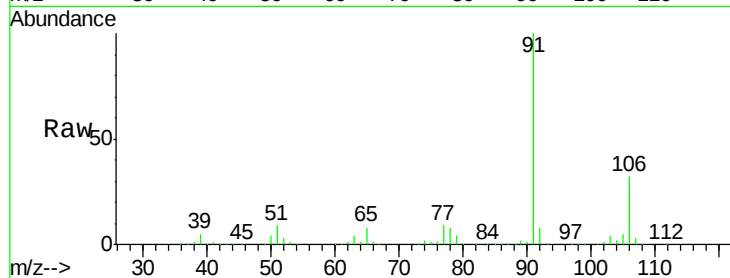
VICV69

Tgt Ion: 91 Resp: 509990

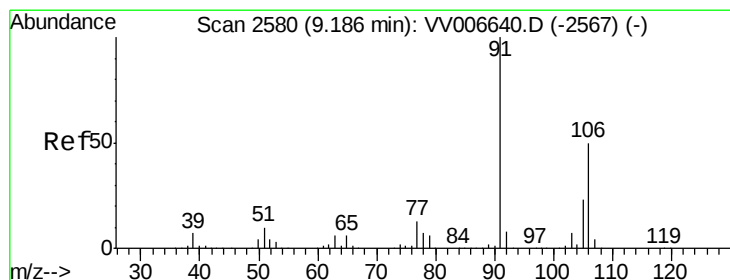
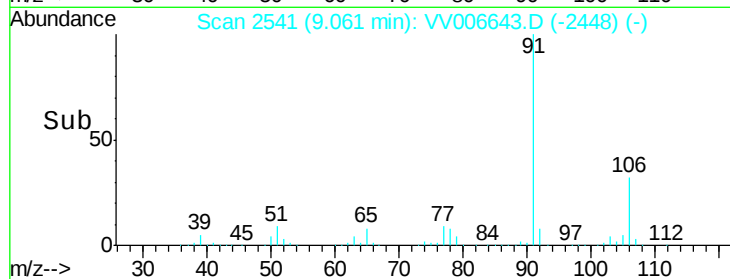
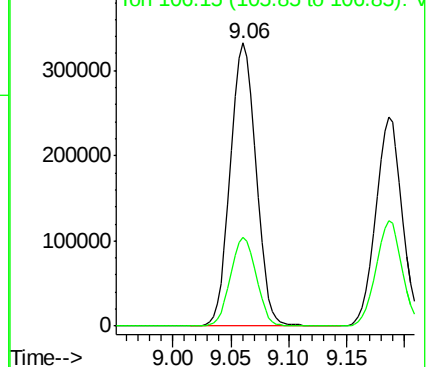
Ion Ratio Lower Upper

91 100

106 31.5 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV006643.D (-2448) (-)



#53

m,p-xylene

Concen: 5.384 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006643.D

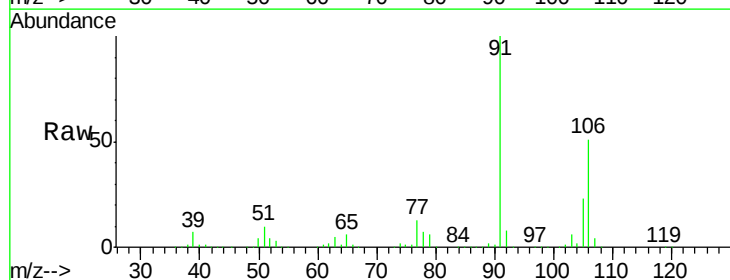
Acq: 19 Jul 2018 14:51

Tgt Ion: 106 Resp: 197065

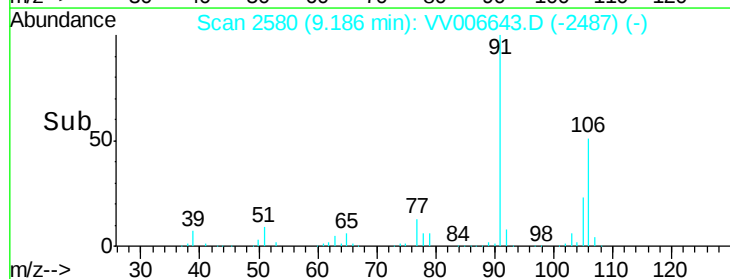
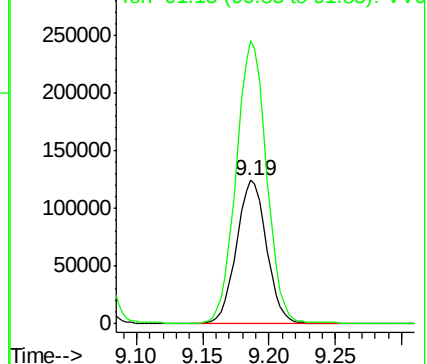
Ion Ratio Lower Upper

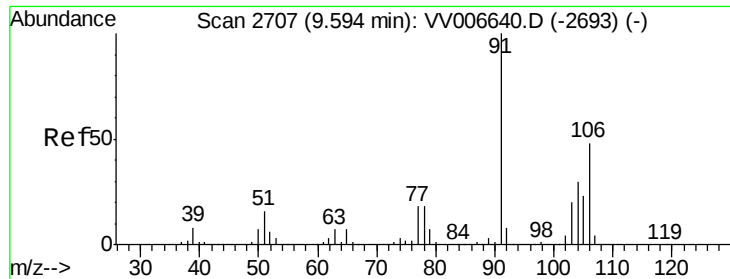
106 100

91 197.5 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): VV006643.D (-2487) (-)





#54

o-xylene

Concen: 5.270 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

Instrument :

MSVOA_V

ClientSampleId :

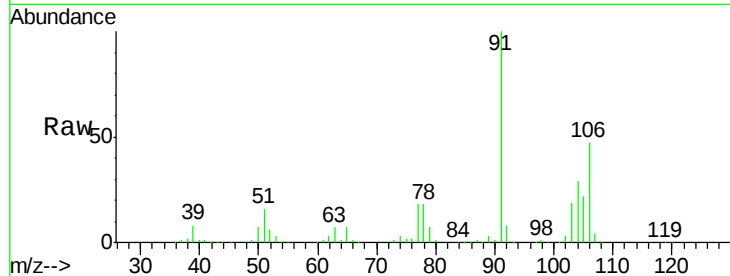
VICV69

Tgt Ion:106 Resp: 188174

Ion Ratio Lower Upper

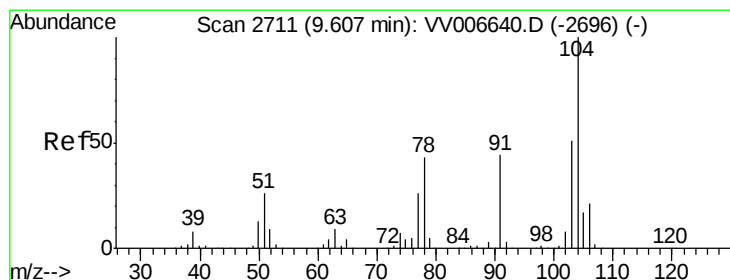
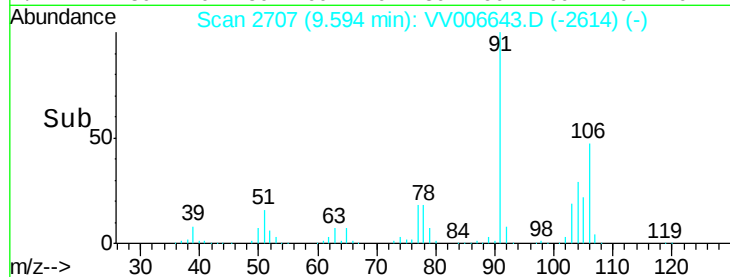
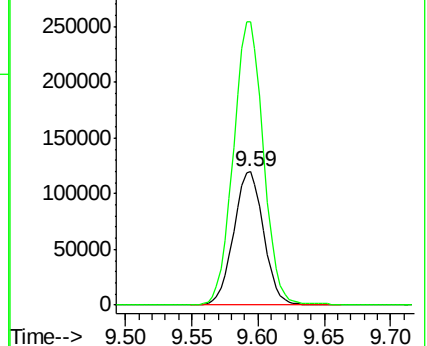
106 100

91 212.2 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.470 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006643.D

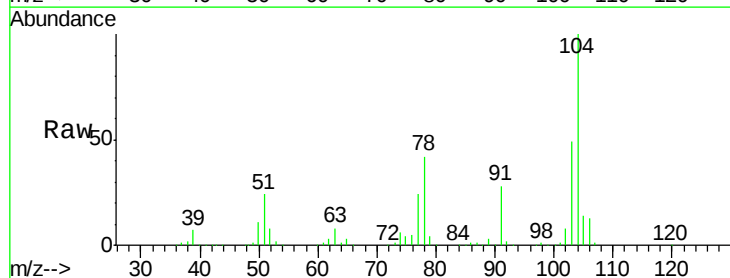
Acq: 19 Jul 2018 14:51

Tgt Ion:104 Resp: 326958

Ion Ratio Lower Upper

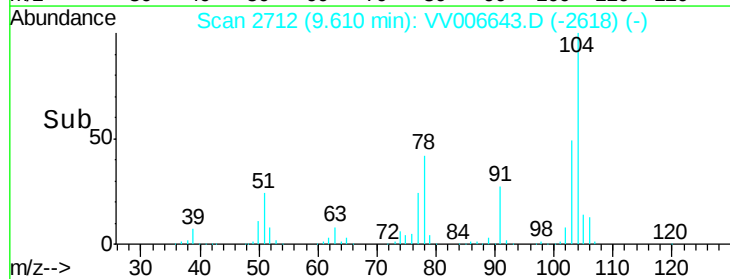
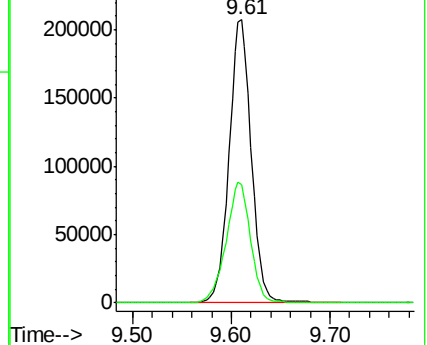
104 100

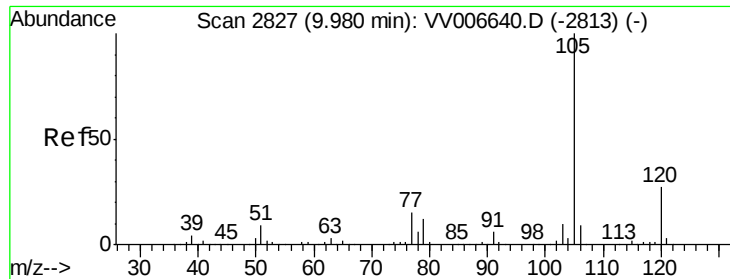
78 41.9 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.328 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

Instrument :

MSVOA_V

ClientSampled :

VICV69

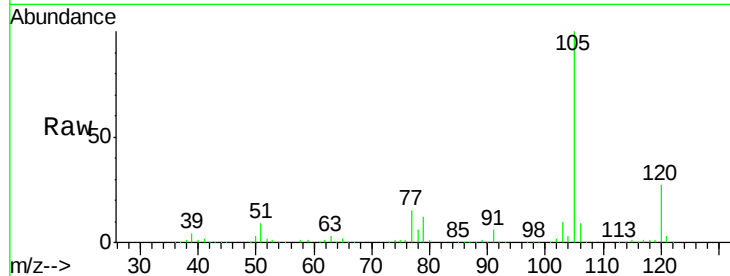
Tgt Ion: 105 Resp: 499036

Ion Ratio Lower Upper

105 100

120 26.9 21.2 31.8

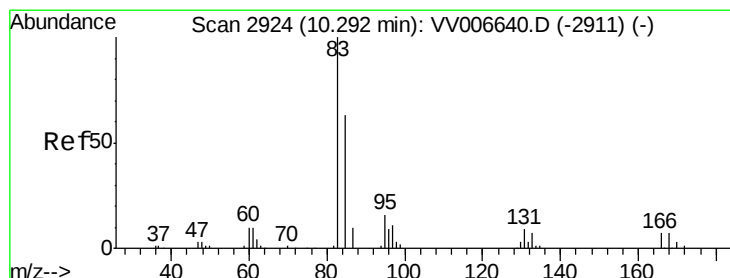
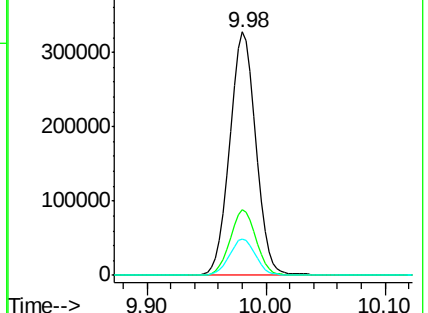
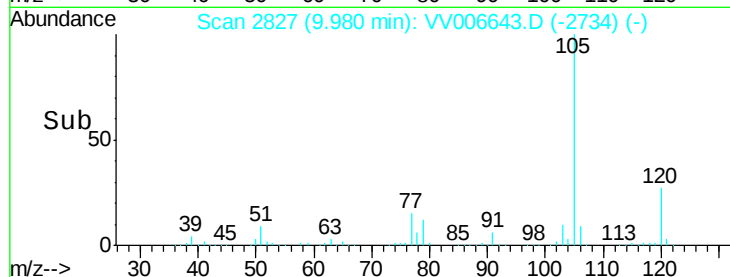
77 15.1 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.221 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

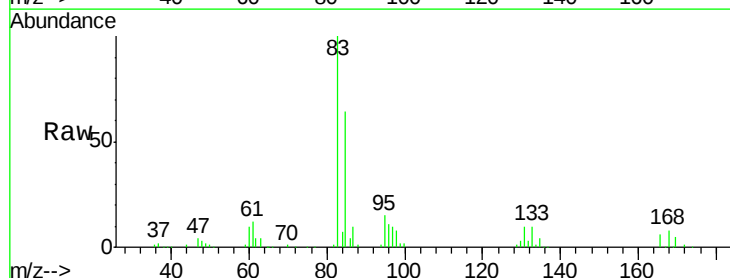
Tgt Ion: 83 Resp: 93229

Ion Ratio Lower Upper

83 100

85 64.3 44.4 82.5

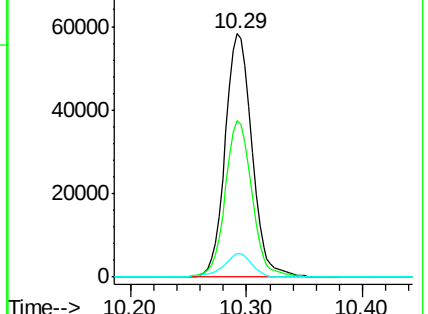
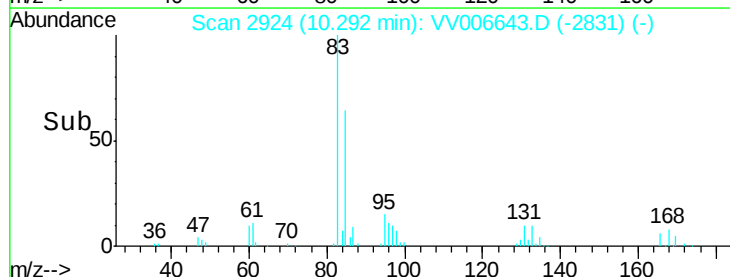
131 9.7 7.4 11.2

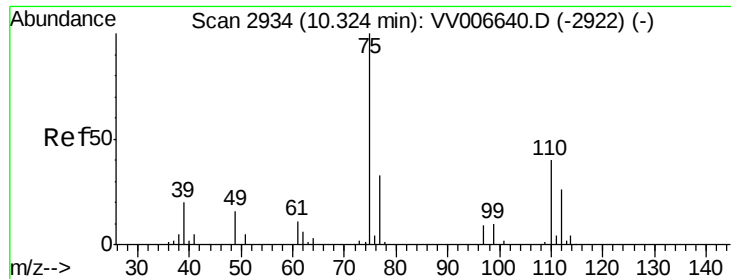


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

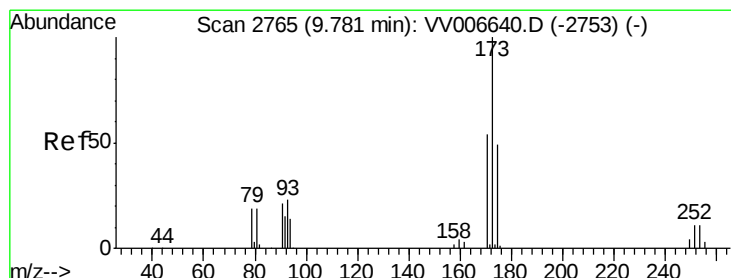
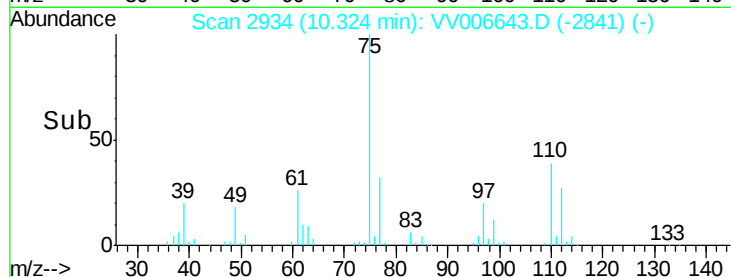
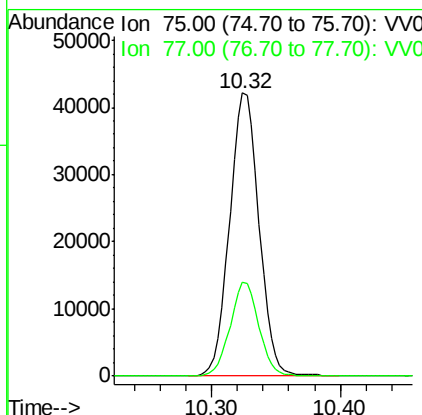
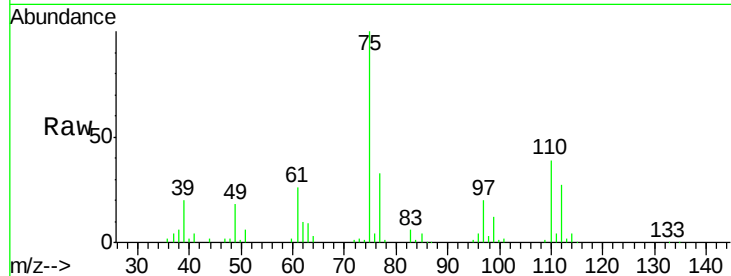




#59
 1,2,3-Trichloropropane
 Concen: 5.120 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

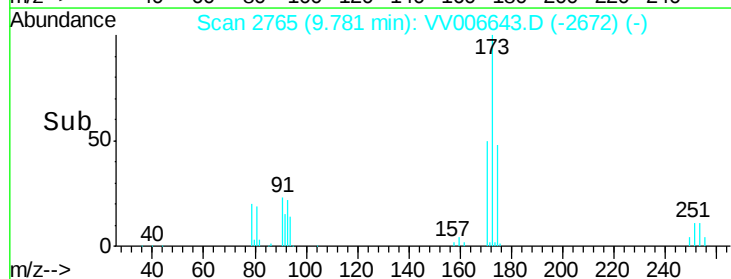
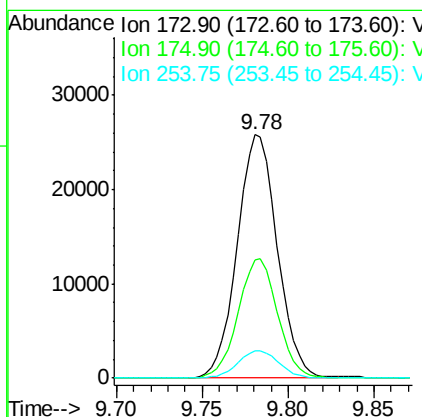
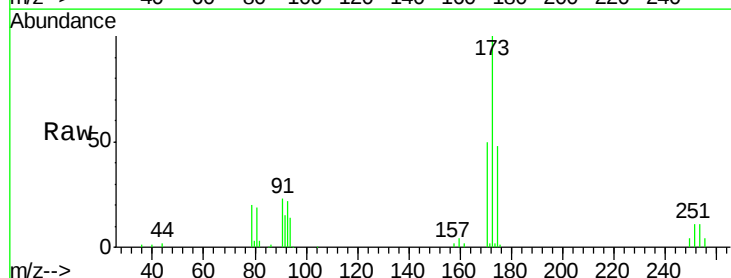
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

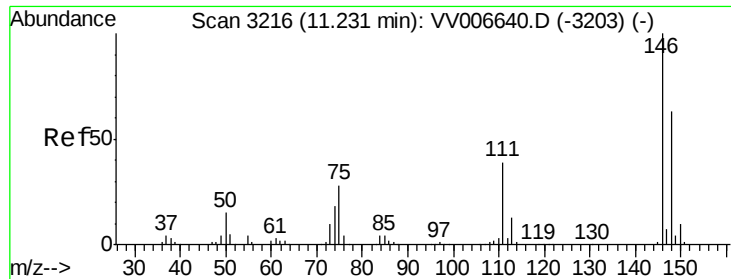
Tgt Ion: 75 Resp: 66801
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.2 39.4



#61
 Bromoform
 Concen: 5.127 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

Tgt Ion: 173 Resp: 41866
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.9 58.3
 254 11.4 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 5.187 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

Instrument :

MSVOA_V

ClientSampleId :

VICV69

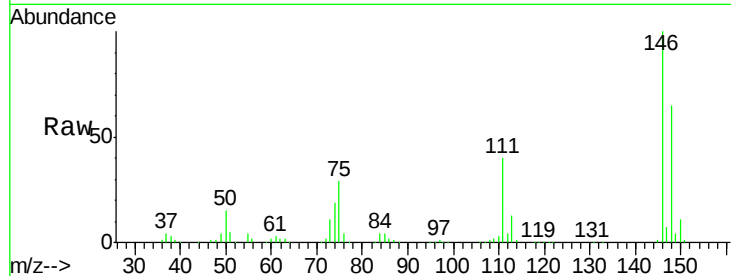
Tgt Ion:146 Resp: 223244

Ion Ratio Lower Upper

146 100

111 40.1 27.2 50.6

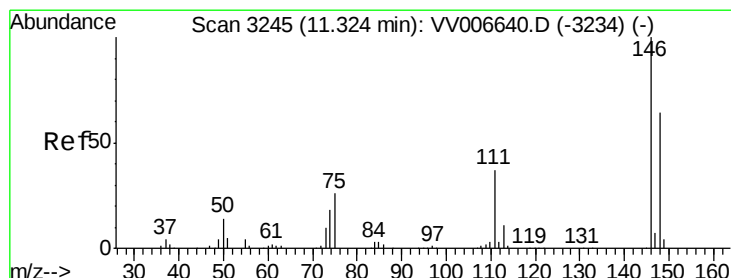
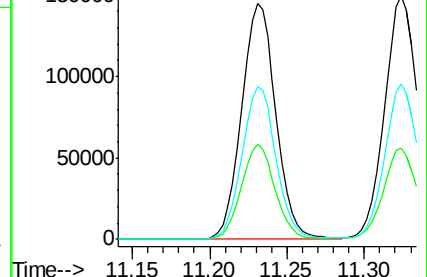
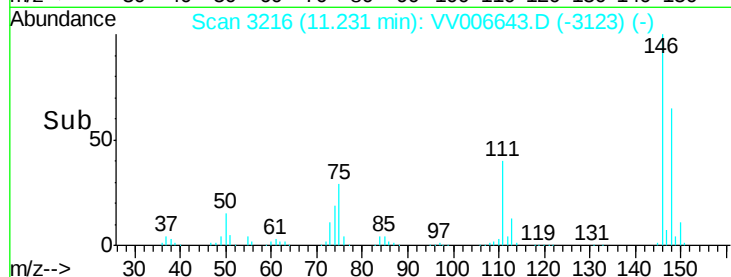
148 64.7 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.229 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

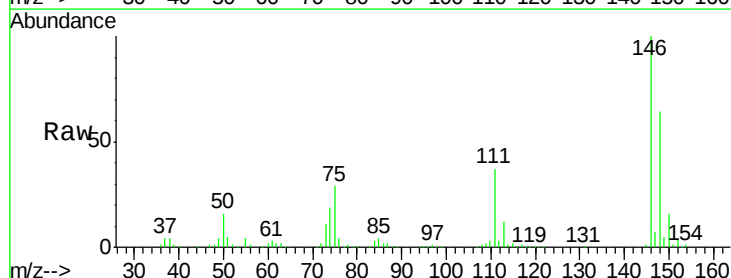
Tgt Ion:146 Resp: 228663

Ion Ratio Lower Upper

146 100

111 37.3 26.0 48.4

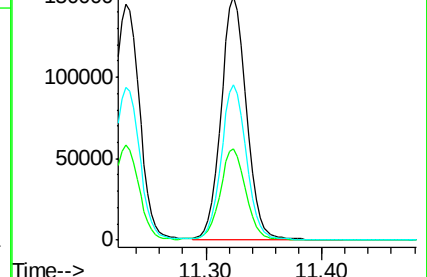
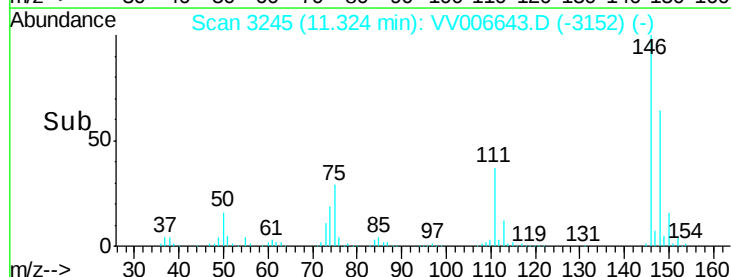
148 63.6 44.6 82.8

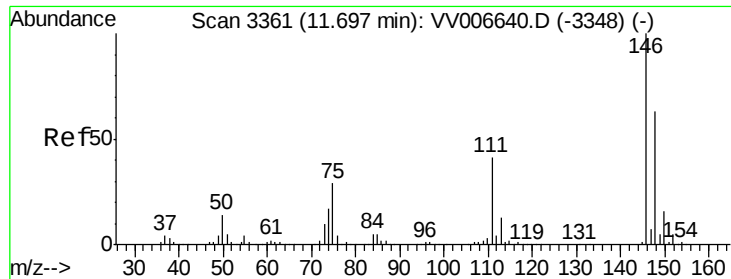


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

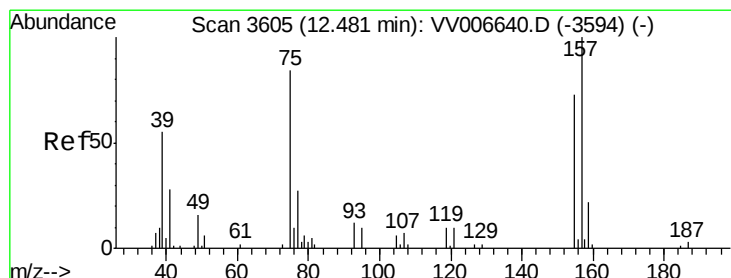
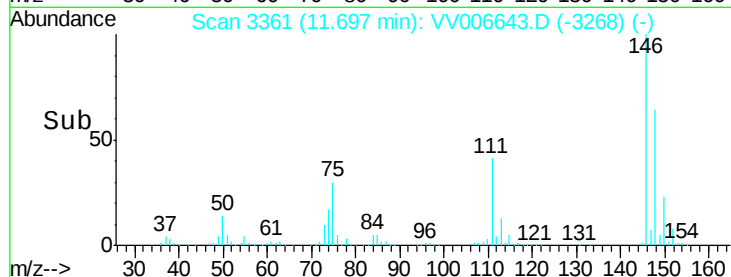
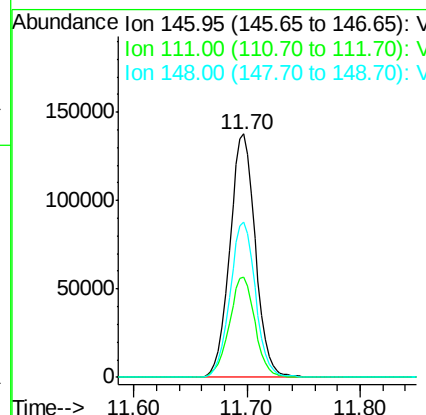
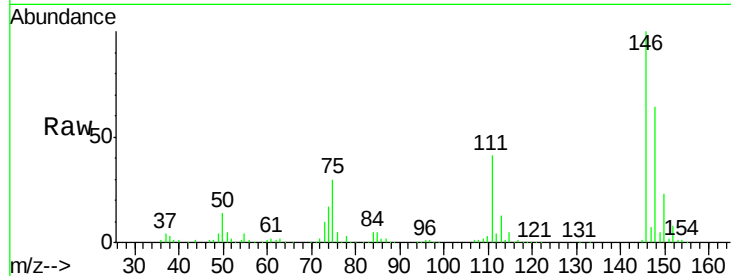




#65
 1,2-Dichlorobenzene
 Concen: 5.233 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

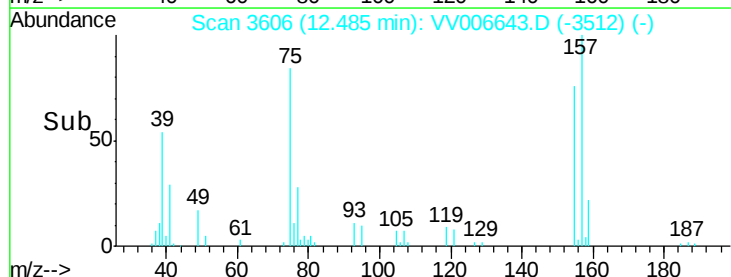
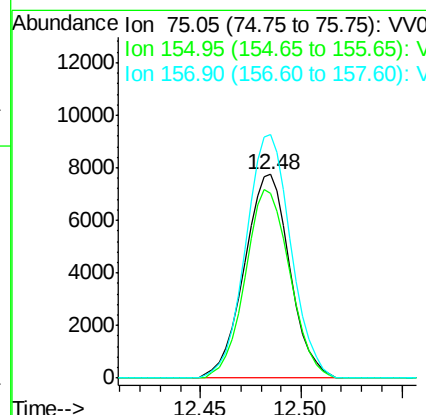
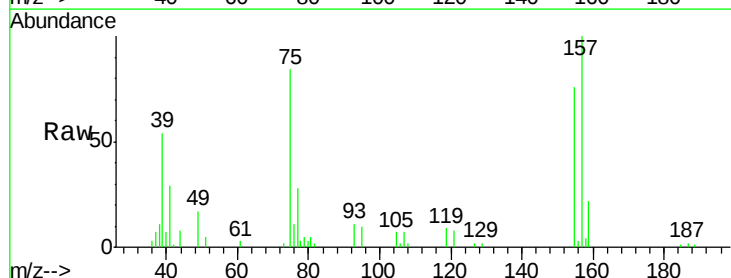
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

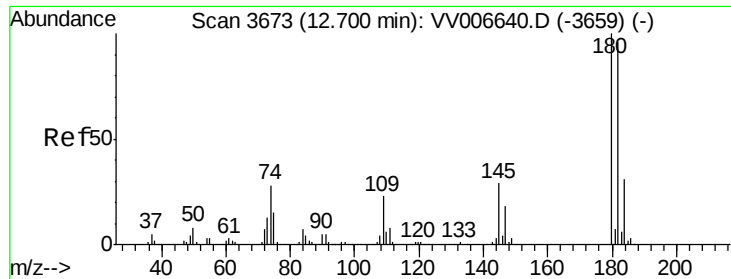
Tgt Ion: 146 Resp: 215914
 Ion Ratio Lower Upper
 146 100
 111 41.2 32.6 49.0
 148 63.7 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.990 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

Tgt Ion: 75 Resp: 12219
 Ion Ratio Lower Upper
 75 100
 155 90.7 69.8 104.6
 157 119.7 95.0 142.6

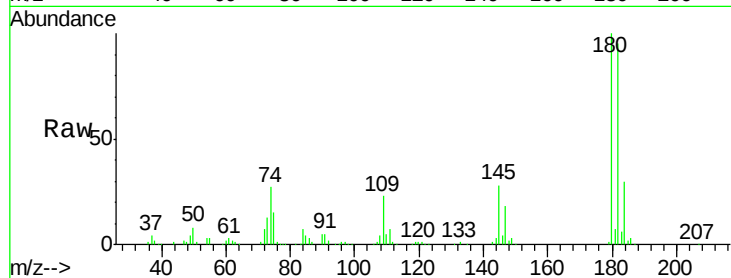




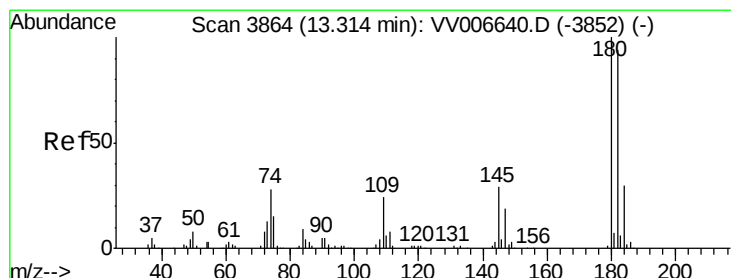
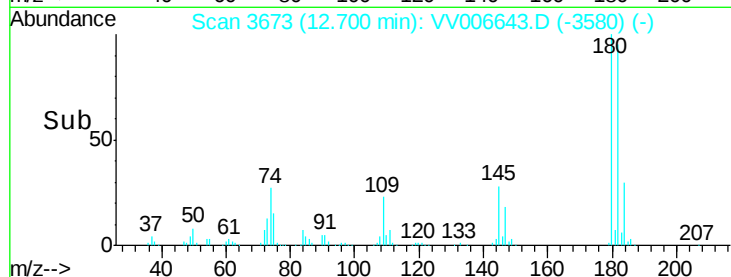
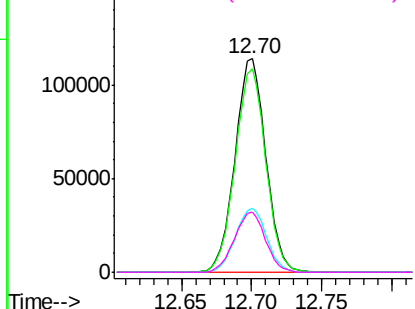
#67
 1,3,5-Trichlorobenzene
 Concen: 5.246 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

Tgt Ion:180 Resp: 174502
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.4 116.0
 184 30.2 24.2 36.2
 145 28.4 23.2 34.8

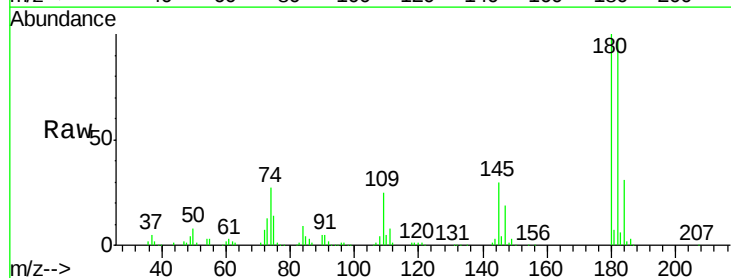


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

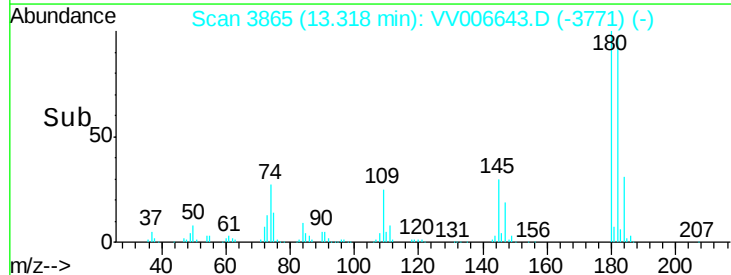
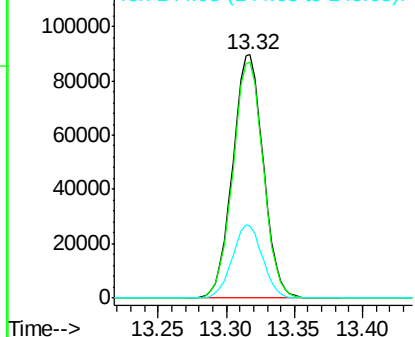


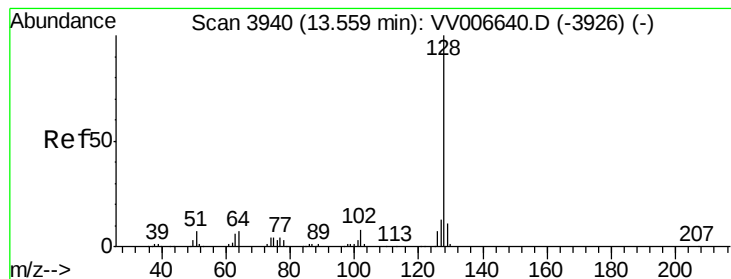
#68
 1,2,4-trichlorobenzene
 Concen: 5.295 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006643.D
 Acq: 19 Jul 2018 14:51

Tgt Ion:180 Resp: 139719
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.8 113.8
 145 29.7 23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.488 ug/L

RT: 13.56 min Scan# 3939

Delta R.T. -0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

Instrument :

MSVOA_V

ClientSampleId :

VICV69

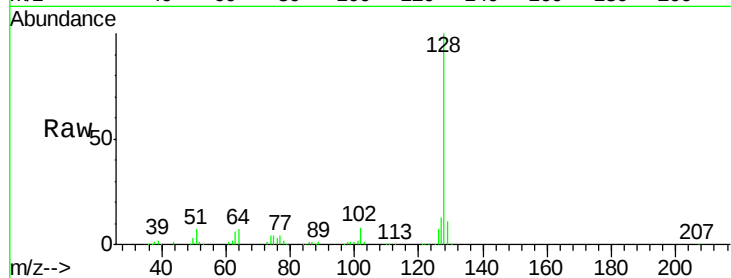
Tgt Ion:128 Resp: 250690

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

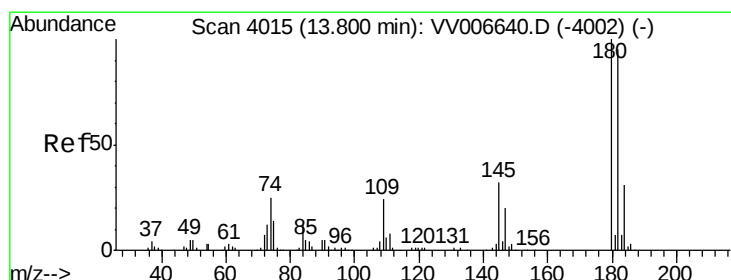
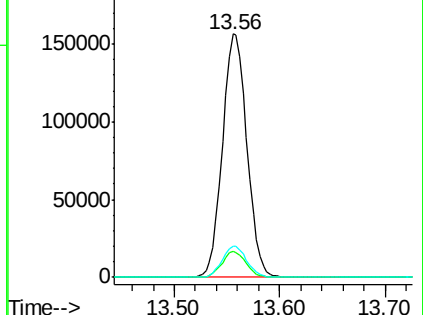
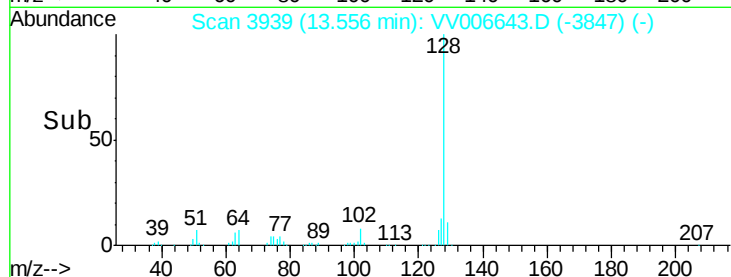
127 12.8 10.2 15.4



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: 5.365 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006643.D

Acq: 19 Jul 2018 14:51

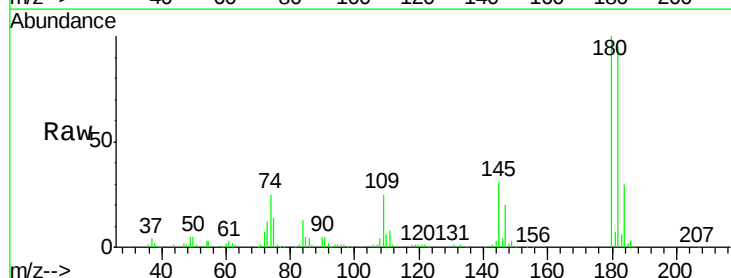
Tgt Ion:180 Resp: 133375

Ion Ratio Lower Upper

180 100

182 94.6 75.9 113.9

145 31.2 25.0 37.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

