

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070218\
 Data File : VV006522.D
 Acq On : 02 Jul 2018 09:33
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB64

Quant Time: Jul 02 23:28:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 30 02:15:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	361238	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	327924	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	158399	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101189	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.59	69	86943	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.13	63	179686	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.40%
20) 2-Butanone-d5	3.97	46	218975	49.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.40%
24) Chloroform-d	4.41	84	181159	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.09	65	83672	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
32) Benzene-d6	5.10	84	373852	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.12	67	114618	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.36	98	346296	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	7.67	79	40476	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.14	63	176712	47.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.20%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	69746	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	124588	4.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	111732	4.221 ug/L	100
3) Chloromethane	1.26	50	113126	4.169 ug/L	99
5) Vinyl chloride	1.32	62	125641	4.261 ug/L	99
6) Bromomethane	1.54	94	66221	3.878 ug/L	98
8) Chloroethane	1.60	64	80070	4.282 ug/L	99
9) Trichlorofluoromethane	1.77	101	155972	4.401 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	102523	4.605 ug/L	99
12) 1,1-Dichloroethene	2.14	96	93721	4.290 ug/L	98
13) Acetone	2.23	43	132941	48.730 ug/L	99
14) Carbon disulfide	2.32	76	249963	4.052 ug/L	100
15) Methyl Acetate	2.48	43	37127	4.622 ug/L	99
16) Methylene chloride	2.54	84	105110	4.108 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	228309	4.312 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	103596	4.332 ug/L	100
19) 1,1-Dichloroethane	3.23	63	187985	4.413 ug/L	99
21) 2-Butanone	4.06	43	225647	45.768 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	113938	4.332 ug/L	97

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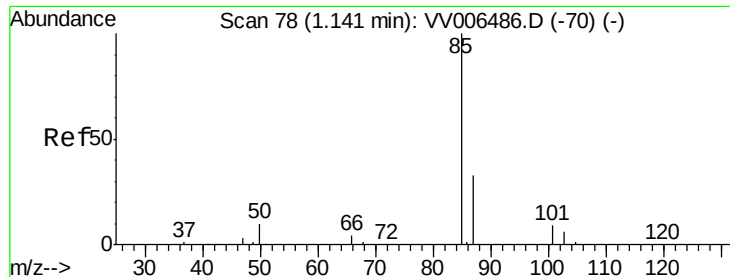
Instrument :
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	45851	4.291	ug/L	98
25) Chloroform	4.43	83	189045	4.403	ug/L	99
27) 1,2-Dichloroethane	5.19	62	103083	4.273	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	156686	4.382	ug/L	100
30) Cyclohexane	4.73	56	155696	4.356	ug/L	99
31) Carbon tetrachloride	4.88	117	133087	4.437	ug/L	100
33) Benzene	5.15	78	426163	4.400	ug/L	100
34) Trichloroethene	5.96	95	118881	4.291	ug/L	98
35) Methylcyclohexane	6.18	83	179407	4.454	ug/L	99
37) 1,2-Dichloropropane	6.23	63	104272	4.406	ug/L	99
38) Bromodichloromethane	6.56	83	120905	4.438	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	147608	4.482	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	511667	44.431	ug/L	99
42) Toluene	7.44	91	448625	4.374	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	115286	4.463	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	72994	4.466	ug/L	99
47) Tetrachloroethene	8.02	164	91434	4.368	ug/L	99
48) 2-Hexanone	8.19	43	379675	45.828	ug/L	98
49) Dibromochloromethane	8.30	129	77390	4.441	ug/L	99
50) 1,2-Dibromoethane	8.40	107	64351	4.379	ug/L	97
51) Chlorobenzene	8.93	112	298537	4.399	ug/L	98
52) Ethylbenzene	9.06	91	493628	4.446	ug/L	100
53) m,p-xylene	9.19	106	190670	4.453	ug/L	99
54) o-xylene	9.59	106	186296	4.435	ug/L	98
55) Styrene	9.61	104	312885	4.552	ug/L	99
56) Isopropylbenzene	9.98	105	487474	4.453	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	66790	4.333	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	57449	4.463	ug/L	98
61) Bromoform	9.78	173	39208	4.411	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	226935	4.350	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	229072	4.390	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	214341	4.389	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9127	4.398	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	179007	4.515	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	131890	4.537	ug/L	100
69) Naphthalene	13.56	128	183307	4.314	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	123128	4.550	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.221 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

Instrument :

MSVOA_V

ClientSampled :

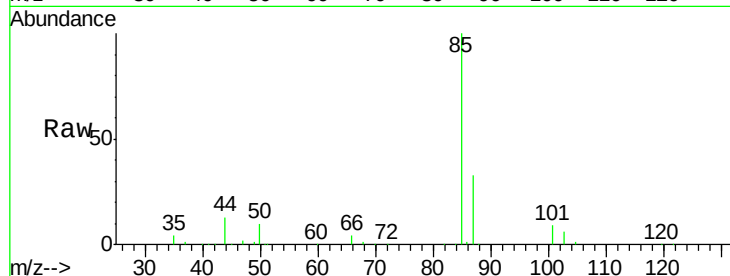
BFB64

Tgt Ion: 85 Resp: 111732

Ion Ratio Lower Upper

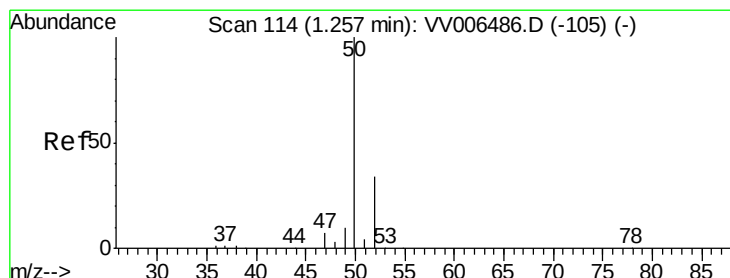
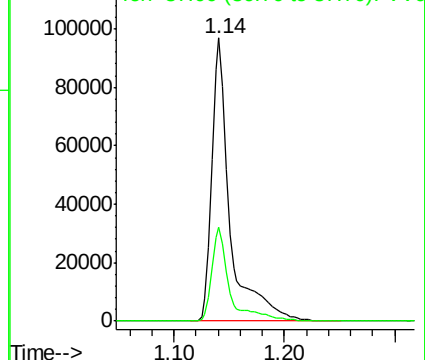
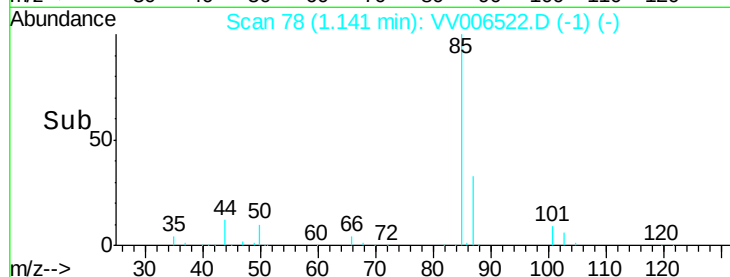
85 100

87 32.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV006522.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV006522.D (-1) (-)



#3

Chloromethane

Concen: 4.169 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006522.D

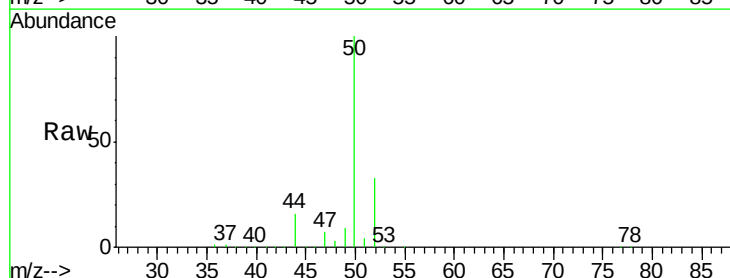
Acq: 02 Jul 2018 09:33

Tgt Ion: 50 Resp: 113126

Ion Ratio Lower Upper

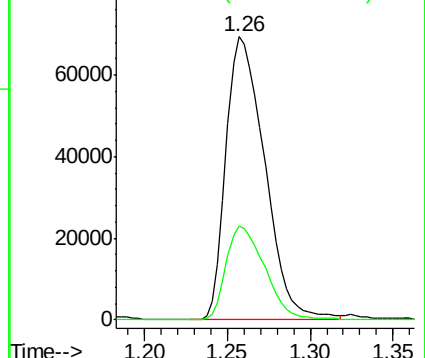
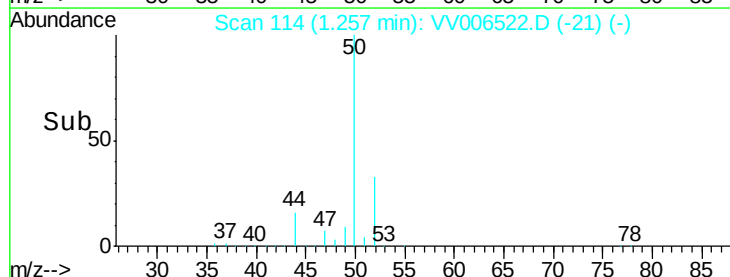
50 100

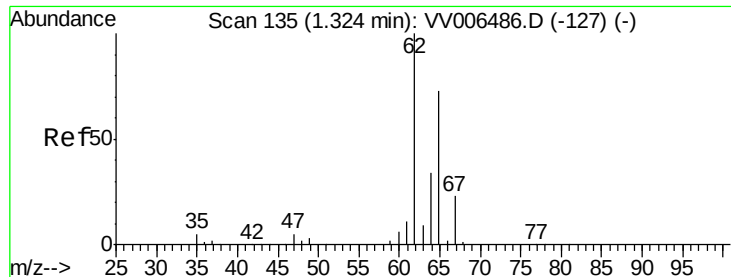
52 33.2 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006522.D (-21) (-)

Ion 52.05 (51.75 to 52.75): VV006522.D (-21) (-)





#5

Vinyl chloride

Concen: 4.261 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

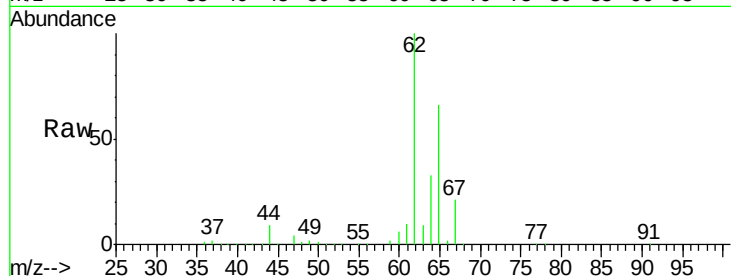
BFB64

Tgt Ion: 62 Resp: 125641

Ion Ratio Lower Upper

62 100

64 33.4 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

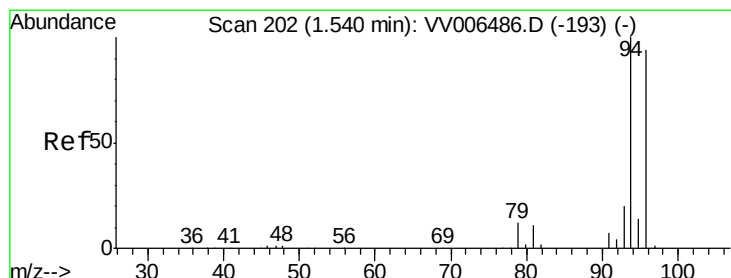
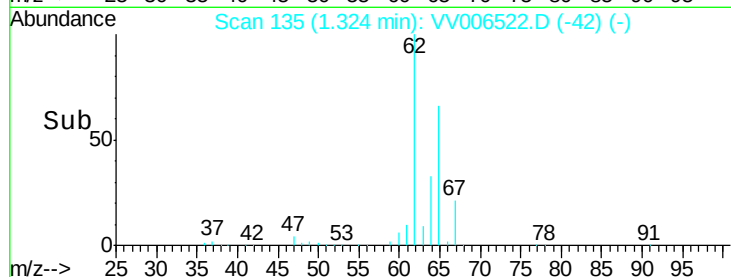
100000

50000

0

Time-->

1.30 1.40



#6

Bromomethane

Concen: 3.878 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006522.D

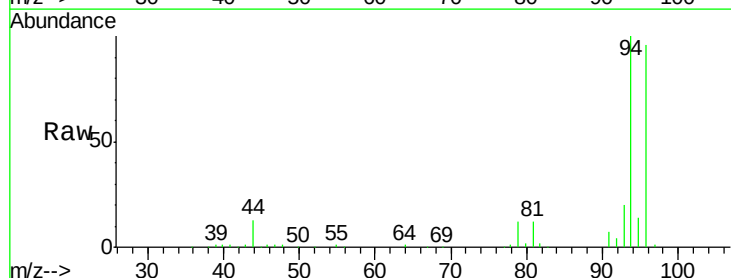
Acq: 02 Jul 2018 09:33

Tgt Ion: 94 Resp: 66221

Ion Ratio Lower Upper

94 100

96 95.6 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

60000

50000

40000

30000

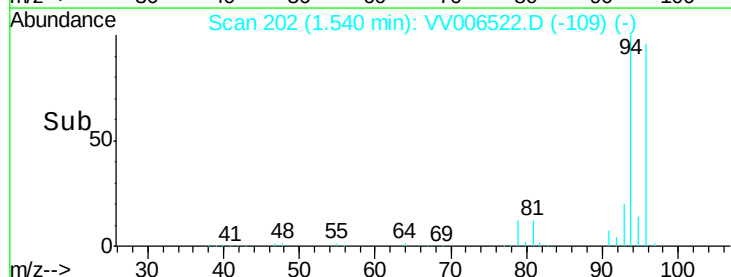
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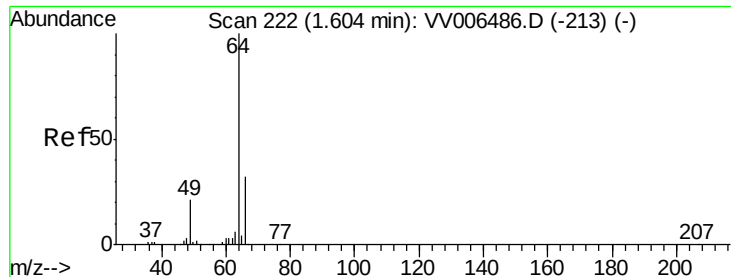
10000

0

Time-->

1.50 1.55 1.60 1.65





#8

Chloroethane

Concen: 4.282 ug/L

RT: 1.60 min Scan# 222

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

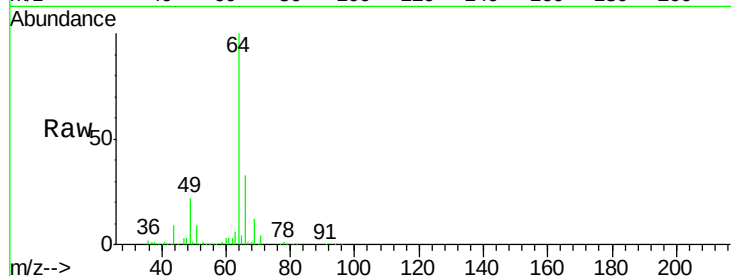
BFB64

Tgt Ion: 64 Resp: 80070

Ion Ratio Lower Upper

64 100

66 32.9 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV006486.D (-213) (-)

Ion 66.05 (65.75 to 66.75): VV006486.D (-213) (-)

1.60

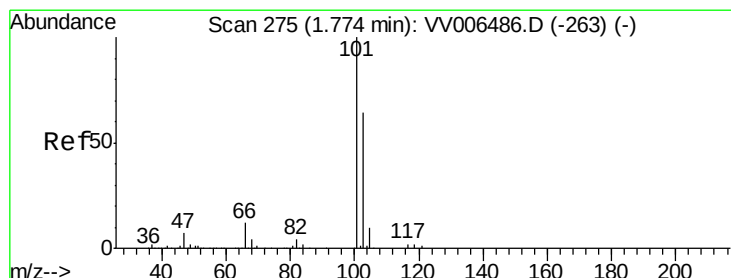
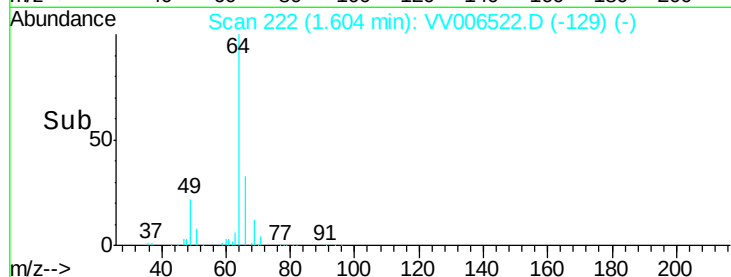
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 4.401 ug/L

RT: 1.77 min Scan# 275

Delta R.T. 0.00 min

Lab File: VV006522.D

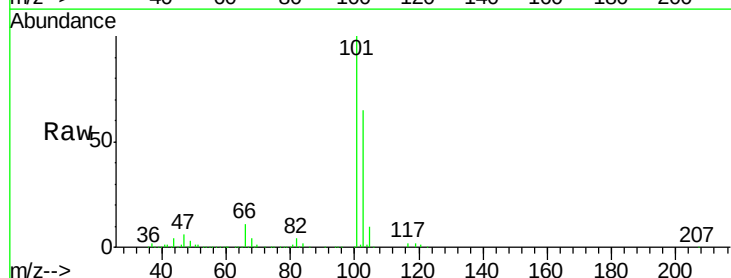
Acq: 02 Jul 2018 09:33

Tgt Ion: 101 Resp: 155972

Ion Ratio Lower Upper

101 100

103 64.5 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006486.D (-263) (-)

Ion 103.00 (102.70 to 103.70): VV006486.D (-263) (-)

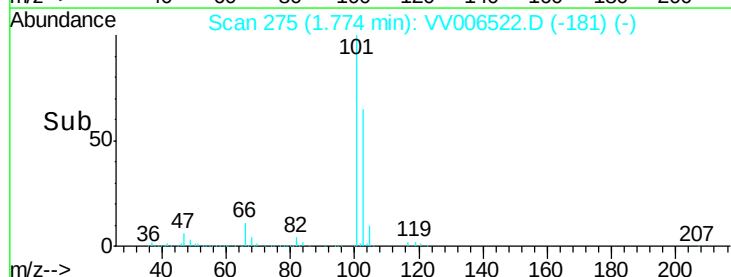
1.77

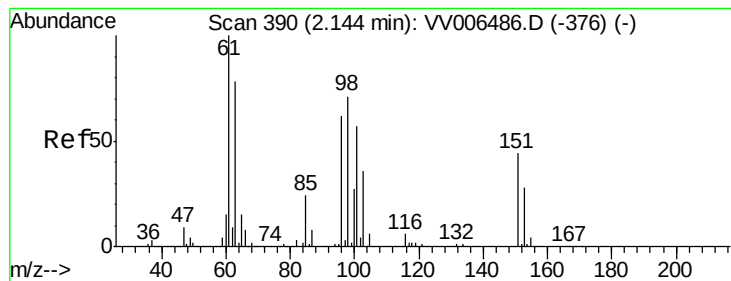
100000

50000

0

Time-->





#10

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

Concen: 4.605 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

Instrument :

MSVOA_V

ClientSampled :

BFB64

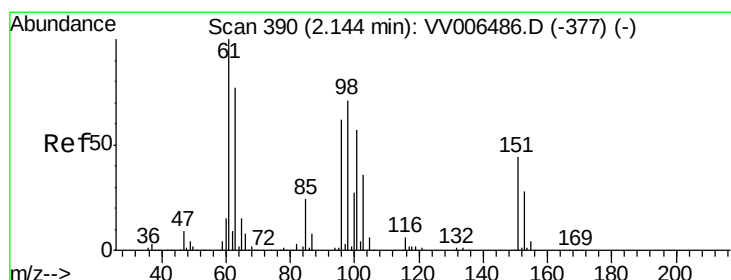
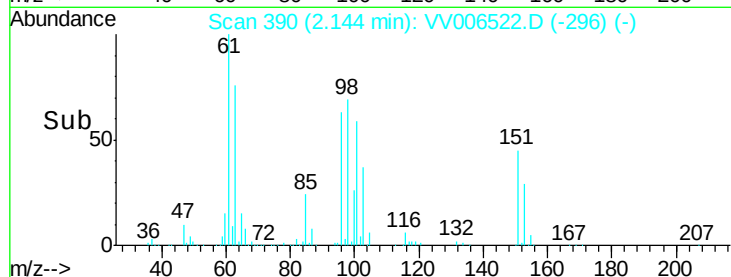
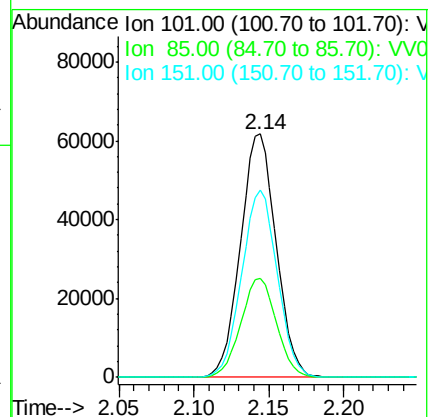
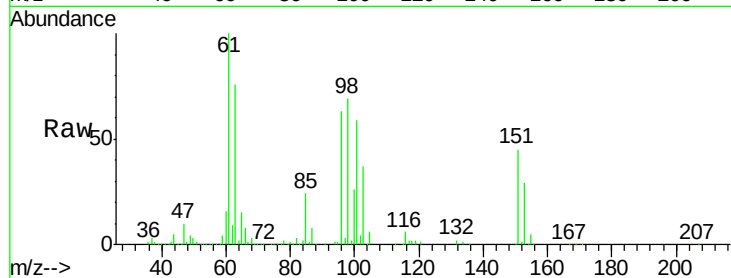
Tgt Ion:101 Resp: 102523

Ion Ratio Lower Upper

101 100

85 40.6 33.1 49.7

151 76.8 61.7 92.5



#12

1,1-Dichloroethene

Concen: 4.290 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

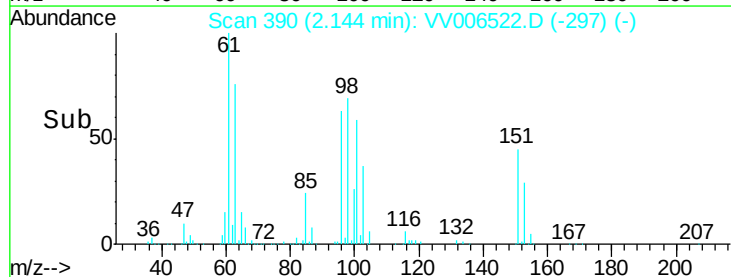
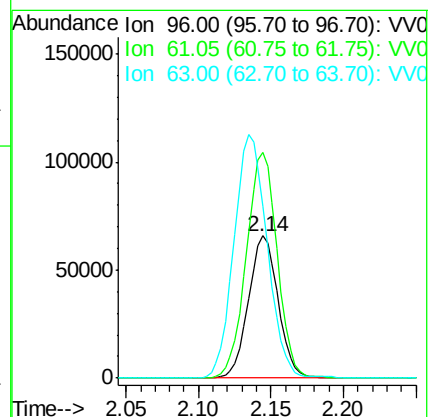
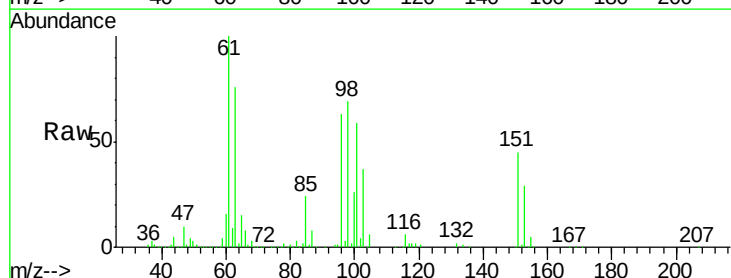
Tgt Ion: 96 Resp: 93721

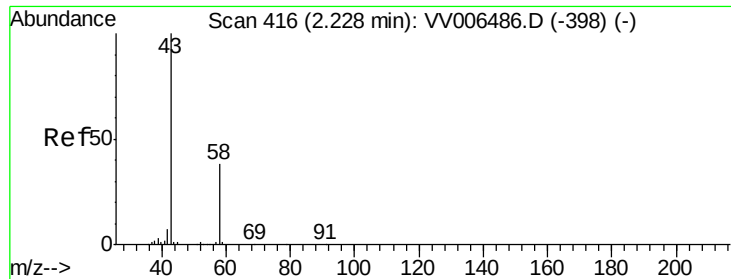
Ion Ratio Lower Upper

96 100

61 159.3 111.4 207.0

63 120.7 87.4 162.2





#13

Acetone

Concen: 48.730 ug/L

RT: 2.23 min Scan# 416

Delta R.T. -0.01 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

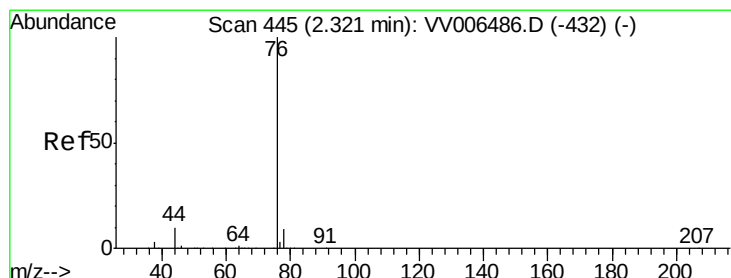
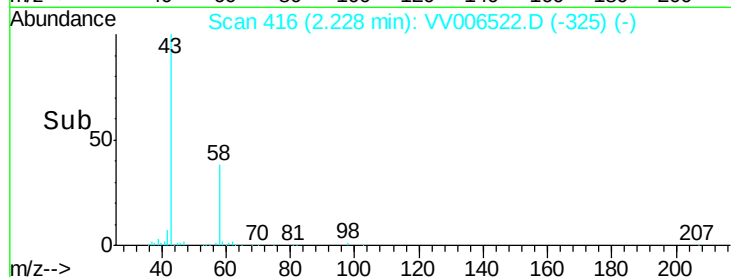
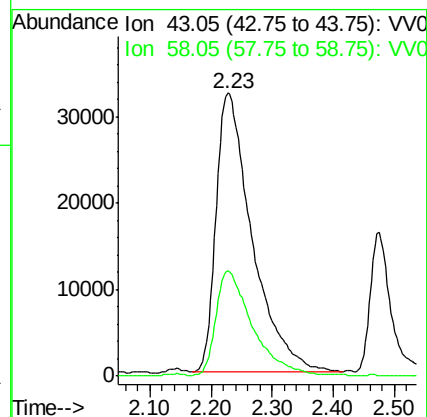
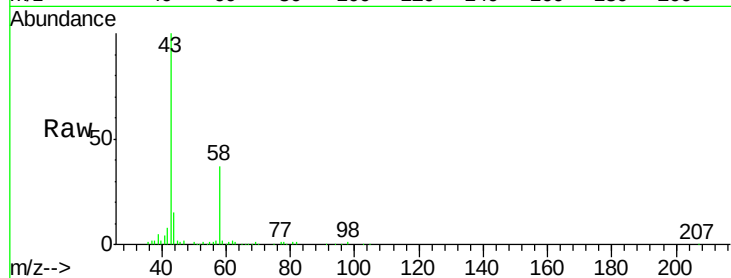
BFB64

Tgt Ion: 43 Resp: 132941

Ion Ratio Lower Upper

43 100

58 37.9 0.0 77.4



#14

Carbon disulfide

Concen: 4.052 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006522.D

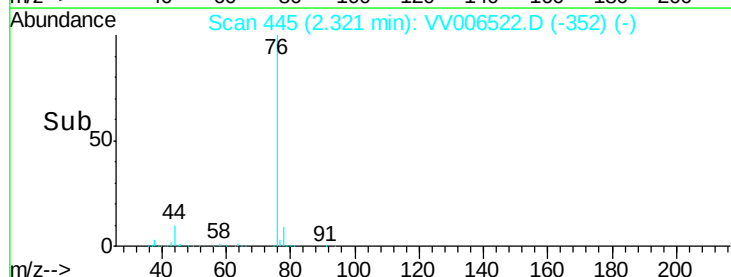
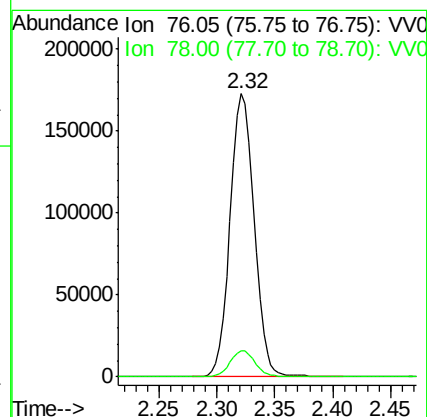
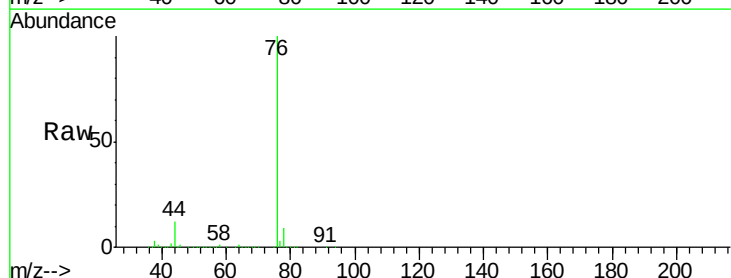
Acq: 02 Jul 2018 09:33

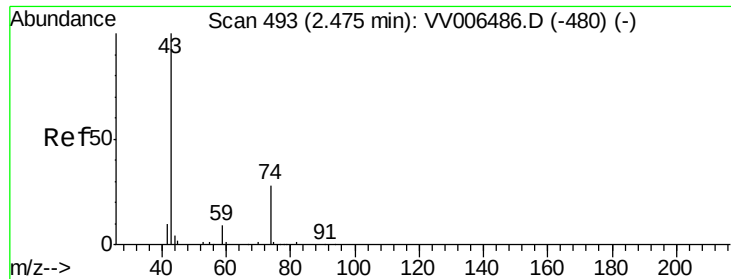
Tgt Ion: 76 Resp: 249963

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

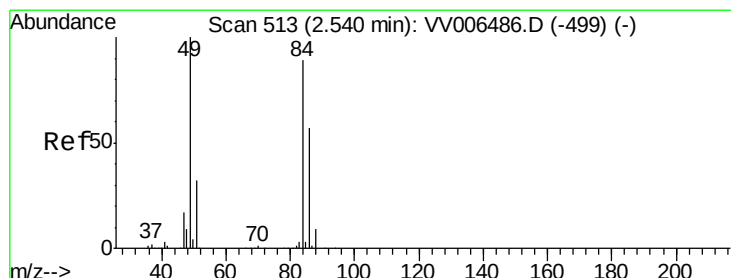
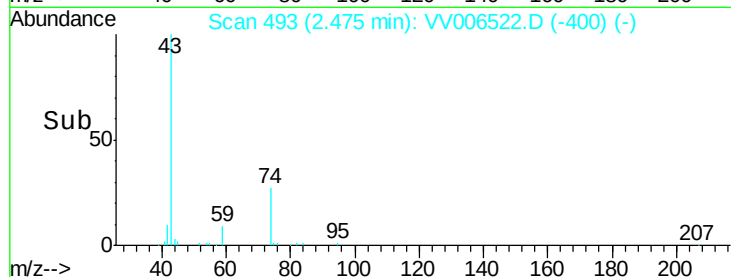
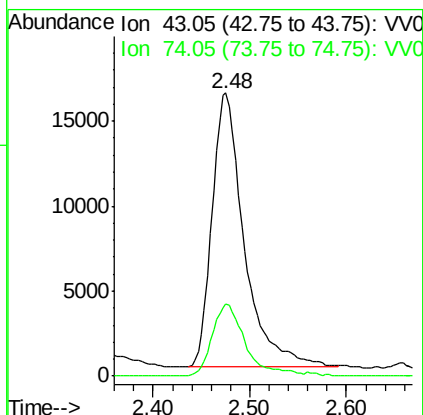
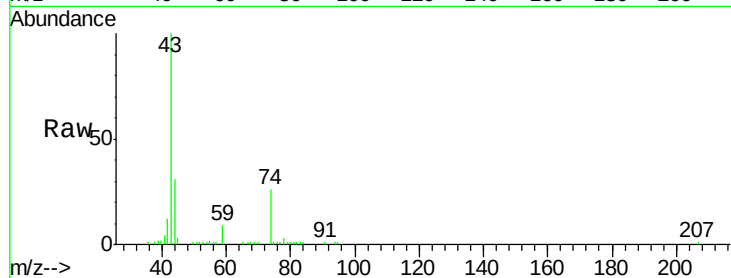




#15
Methyl Acetate
Concen: 4.622 ug/L
RT: 2.48 min Scan# 493
Delta R.T. 0.00 min
Lab File: VV006522.D
Acq: 02 Jul 2018 09:33

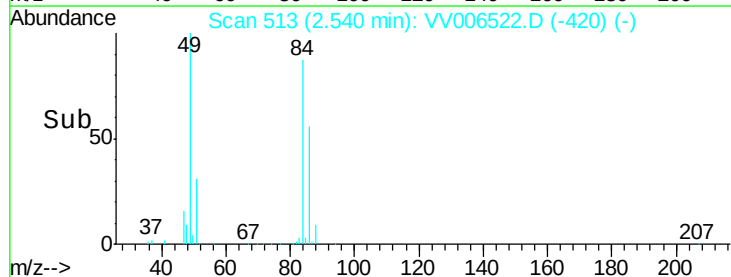
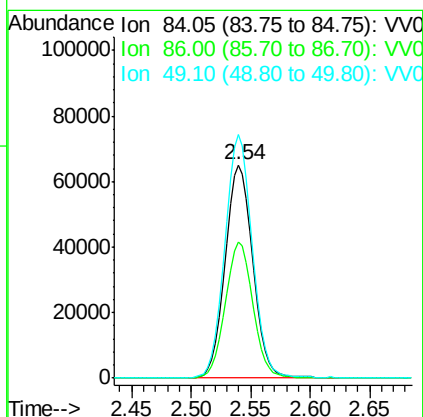
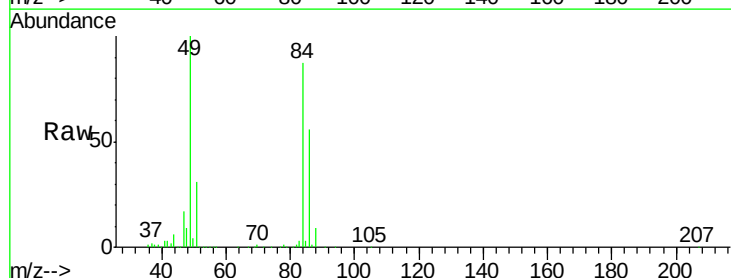
Instrument :
MSVOA_V
ClientSampleId :
BFB64

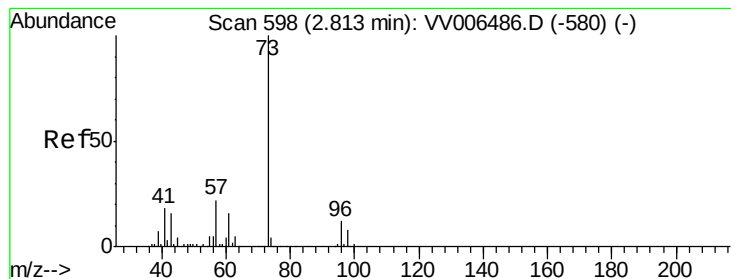
Tgt Ion: 43 Resp: 37127
Ion Ratio Lower Upper
43 100
74 27.3 22.2 33.4



#16
Methylene chloride
Concen: 4.108 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006522.D
Acq: 02 Jul 2018 09:33

Tgt Ion: 84 Resp: 105110
Ion Ratio Lower Upper
84 100
86 63.9 44.2 82.2
49 114.4 79.0 146.8





#17

Methyl tert-butyl Ether

Concen: 4.312 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

BFB64

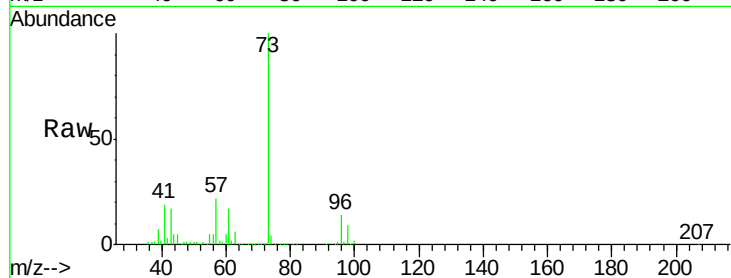
Tgt Ion: 73 Resp: 228309

Ion Ratio Lower Upper

73 100

43 16.4 12.9 19.3

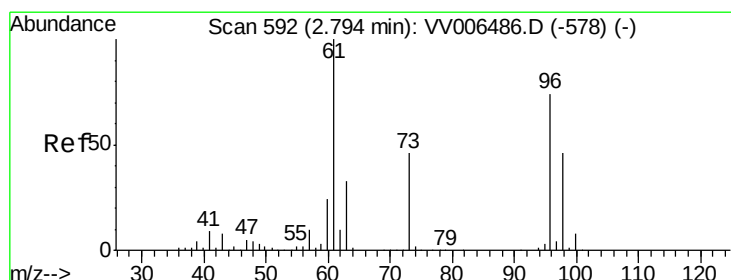
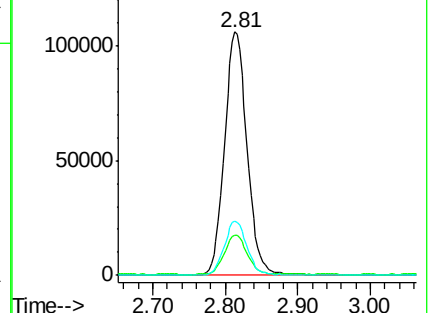
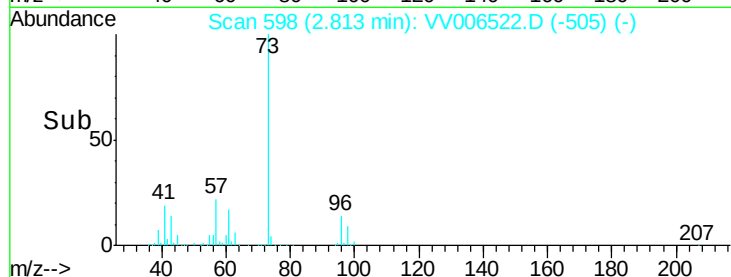
57 22.4 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VV006522.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV006522.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV006522.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.332 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

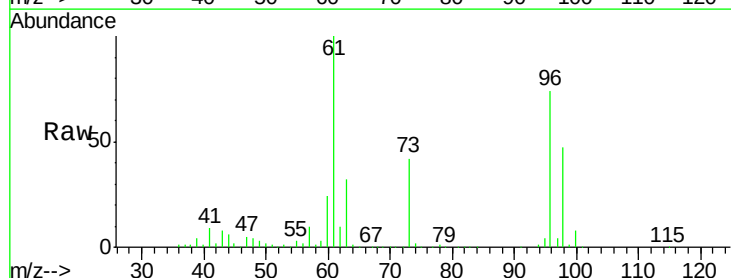
Tgt Ion: 96 Resp: 103596

Ion Ratio Lower Upper

96 100

61 134.4 94.4 175.2

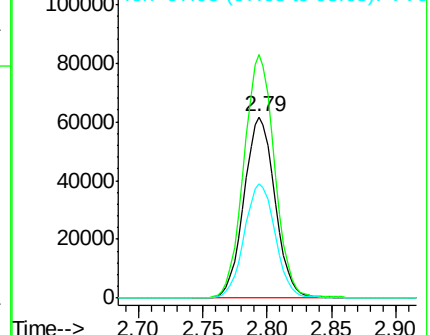
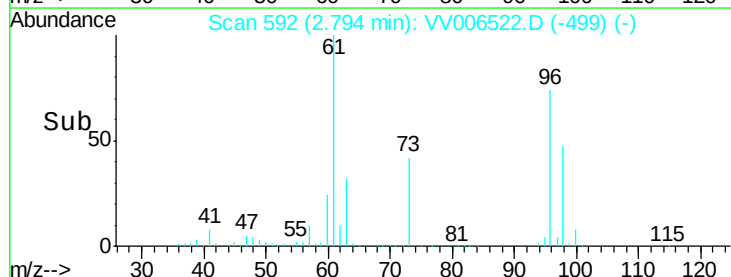
98 63.4 44.3 82.3

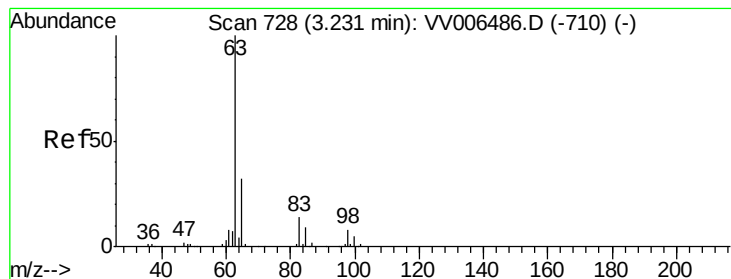


Abundance Ion 96.00 (95.70 to 96.70): VV006522.D (-499) (-)

Ion 61.05 (60.75 to 61.75): VV006522.D (-499) (-)

Ion 97.95 (97.65 to 98.65): VV006522.D (-499) (-)





#19

1,1-Dichloroethane

Concen: 4.413 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

BFB64

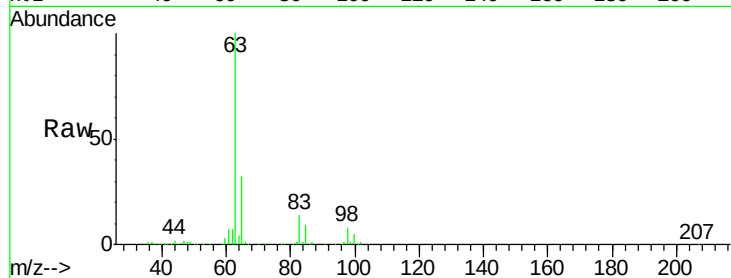
Tgt Ion: 63 Resp: 187985

Ion Ratio Lower Upper

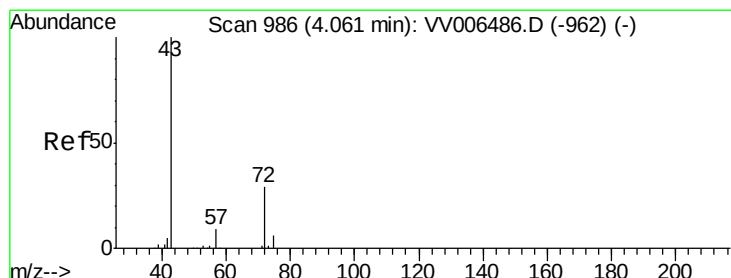
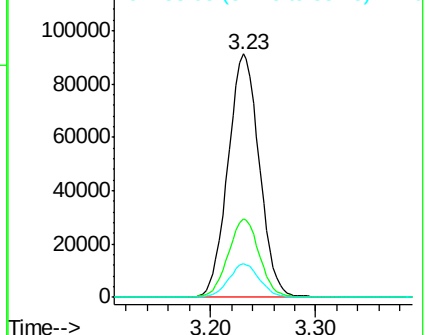
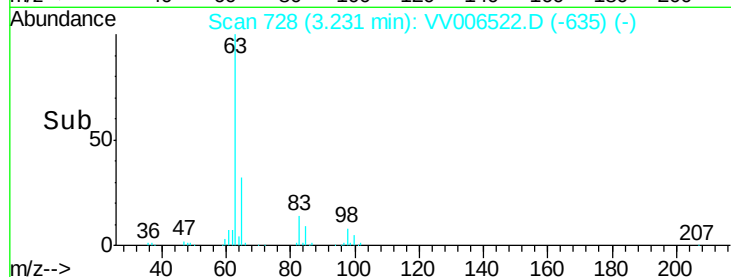
63 100

65 32.3 22.2 41.2

83 13.6 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VV006522.D (-635) (-)



#21

2-Butanone

Concen: 45.768 ug/L

RT: 4.06 min Scan# 986

Delta R.T. 0.00 min

Lab File: VV006522.D

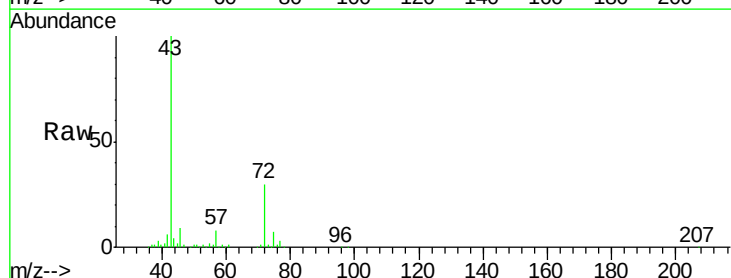
Acq: 02 Jul 2018 09:33

Tgt Ion: 43 Resp: 225647

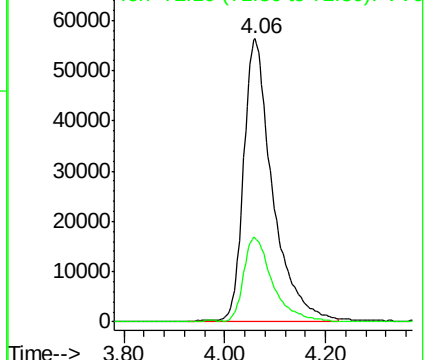
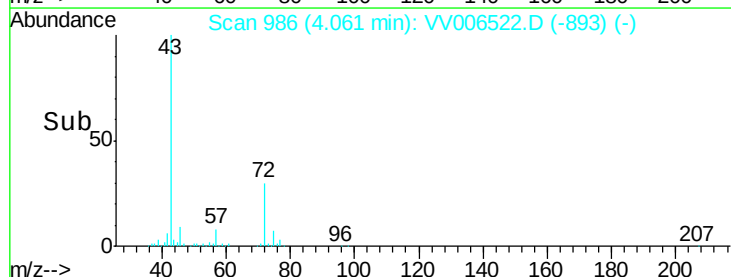
Ion Ratio Lower Upper

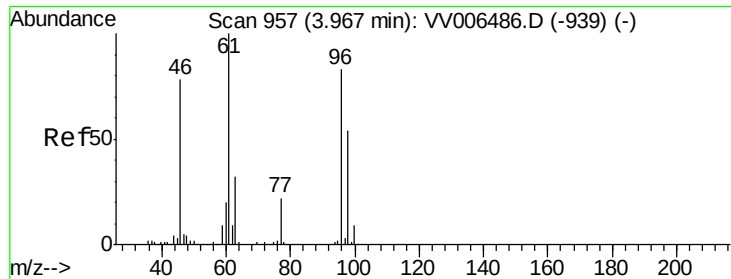
43 100

72 30.0 15.4 46.1



Abundance Ion 43.05 (42.75 to 43.75): VV006522.D (-893) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.332 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

BFB64

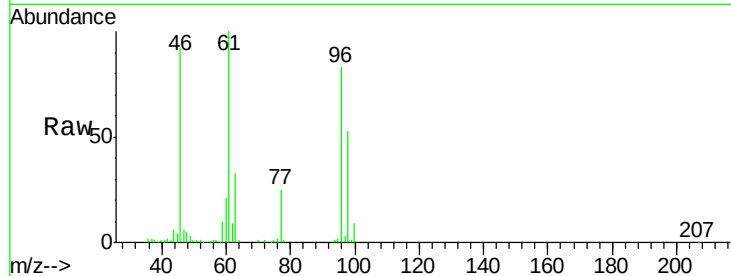
Tgt Ion: 96 Resp: 113938

Ion Ratio Lower Upper

96 100

61 120.4 81.8 151.8

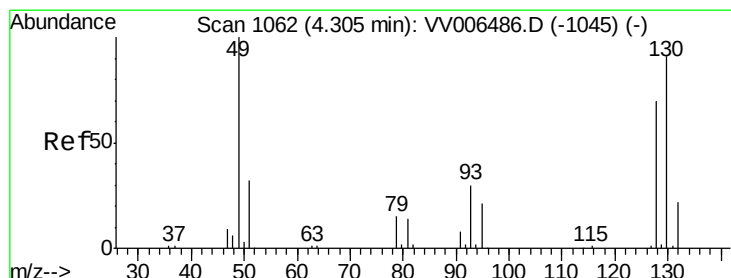
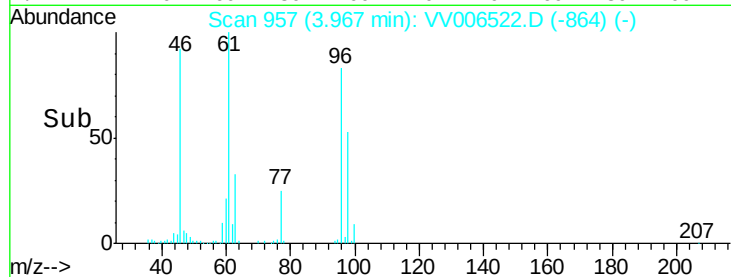
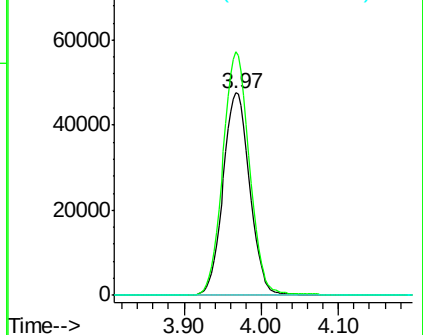
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV006522.D (-864) (-)

Ion 61.05 (60.75 to 61.75): VV006522.D (-864) (-)

Ion 68.15 (67.85 to 68.85): VV006522.D (-864) (-)



#23

Bromochloromethane

Concen: 4.291 ug/L

RT: 4.30 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

Tgt Ion: 128 Resp: 45851

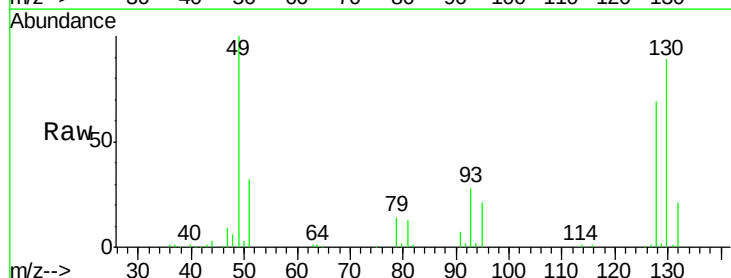
Ion Ratio Lower Upper

128 100

49 144.5 101.2 188.0

130 128.7 93.0 172.6

51 46.0 37.0 55.6

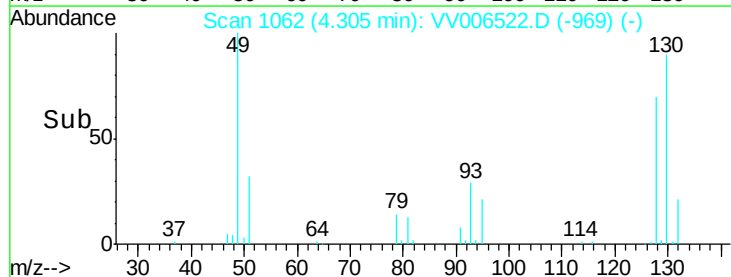
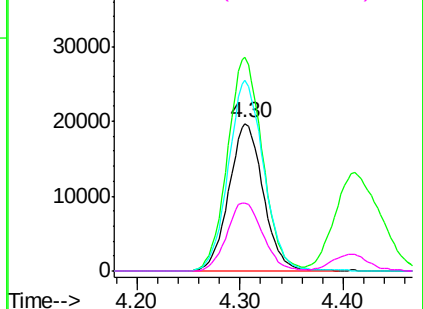


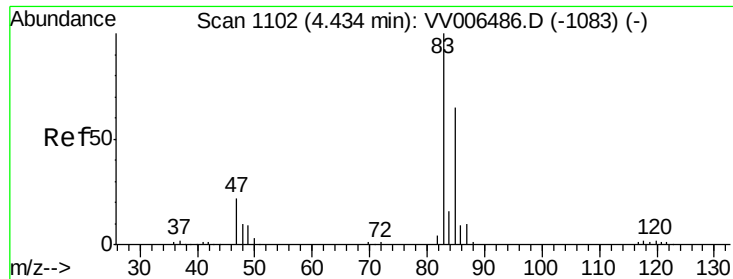
Abundance Ion 127.90 (127.60 to 128.60): VV006522.D (-969) (-)

Ion 49.10 (48.80 to 49.80): VV006522.D (-969) (-)

Ion 129.95 (129.65 to 130.65): VV006522.D (-969) (-)

Ion 51.05 (50.75 to 51.75): VV006522.D (-969) (-)

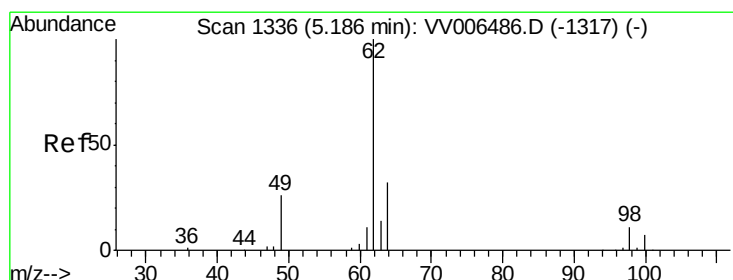
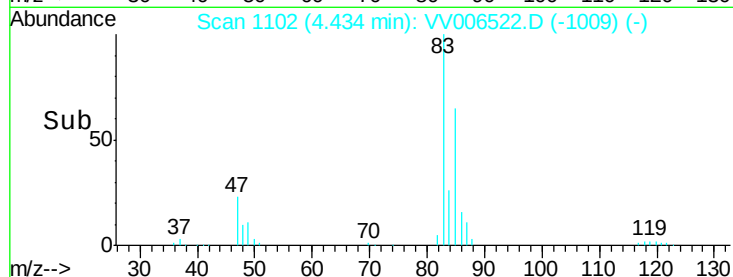
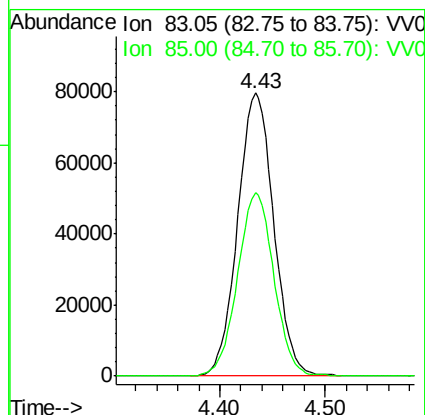
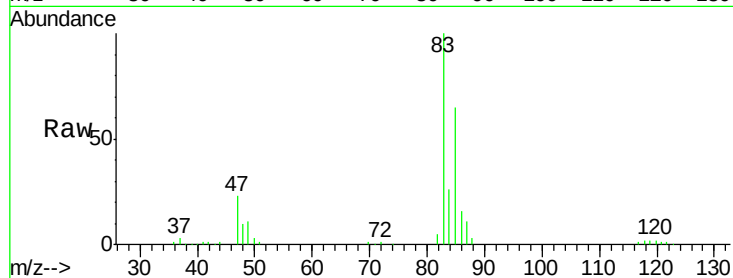




#25
Chloroform
Concen: 4.403 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006522.D
Acq: 02 Jul 2018 09:33

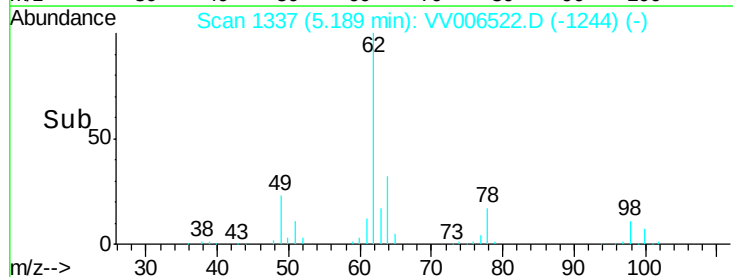
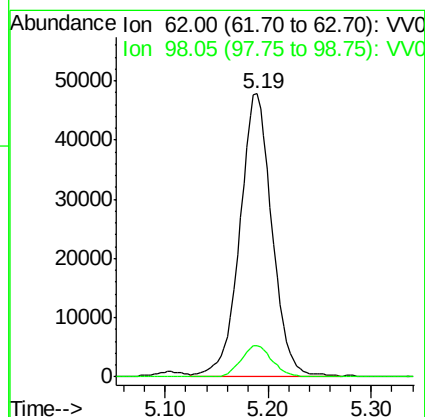
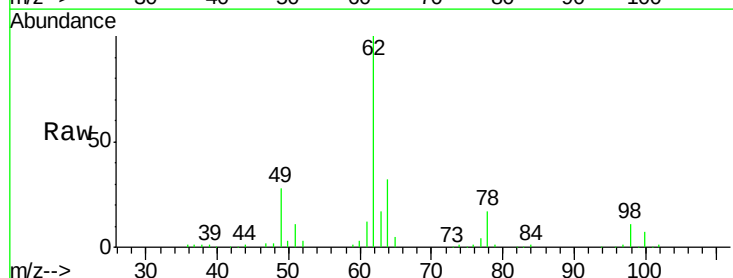
Instrument :
MSVOA_V
ClientSampleId :
BFB64

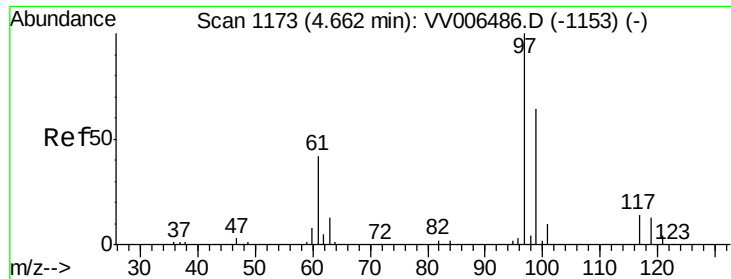
Tgt Ion: 83 Resp: 189045
Ion Ratio Lower Upper
83 100
85 64.6 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.273 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006522.D
Acq: 02 Jul 2018 09:33

Tgt Ion: 62 Resp: 103083
Ion Ratio Lower Upper
62 100
98 11.1 8.8 13.2

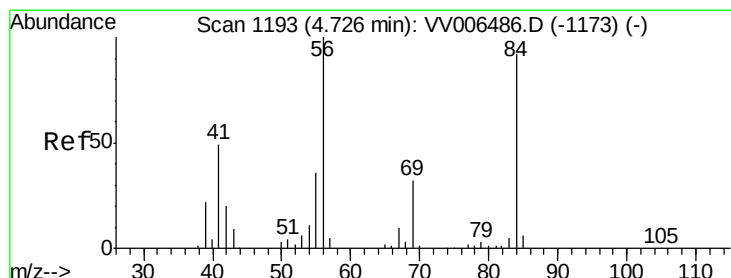
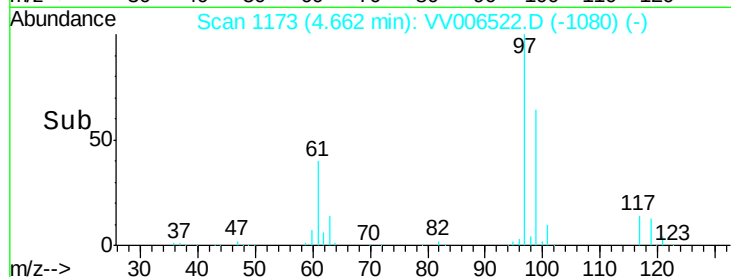
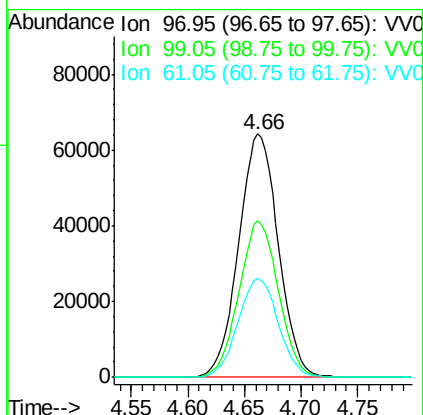
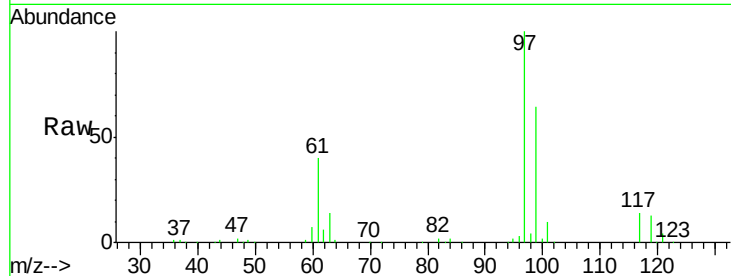




#29
1,1,1-Trichloroethane
Concen: 4.382 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VV006522.D
Acq: 02 Jul 2018 09:33

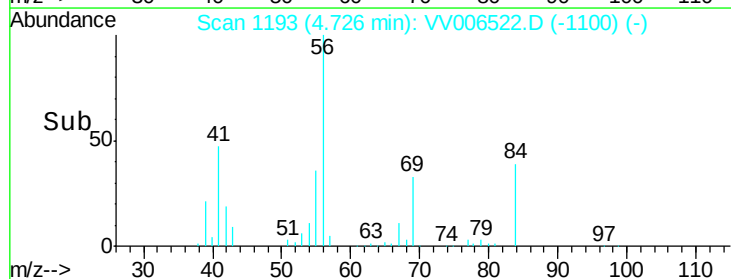
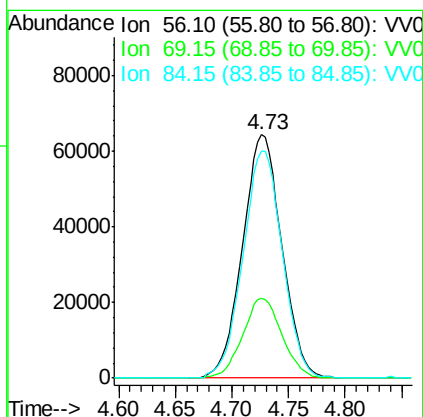
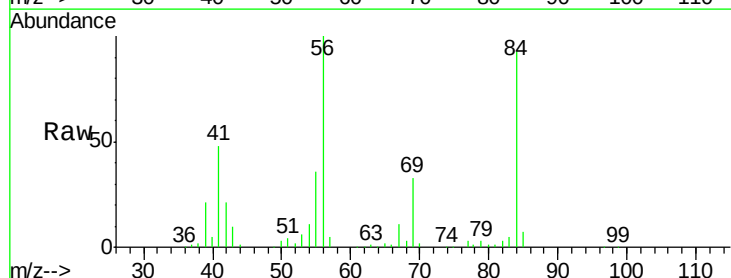
Instrument :
MSVOA_V
ClientSampleId :
BFB64

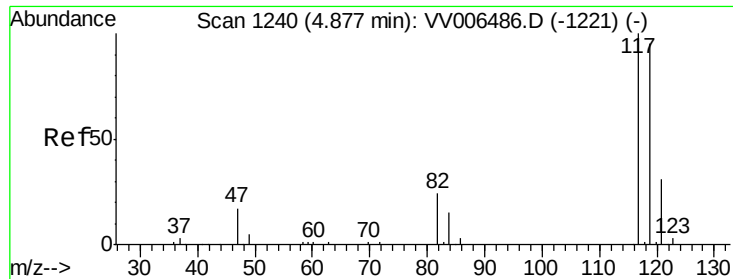
Tgt Ion: 97 Resp: 156686
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.4
61 41.6 33.8 50.6



#30
Cyclohexane
Concen: 4.356 ug/L
RT: 4.73 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VV006522.D
Acq: 02 Jul 2018 09:33

Tgt Ion: 56 Resp: 155696
Ion Ratio Lower Upper
56 100
69 32.8 25.6 38.4
84 93.5 75.4 113.0





#31

Carbon tetrachloride

Concen: 4.437 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

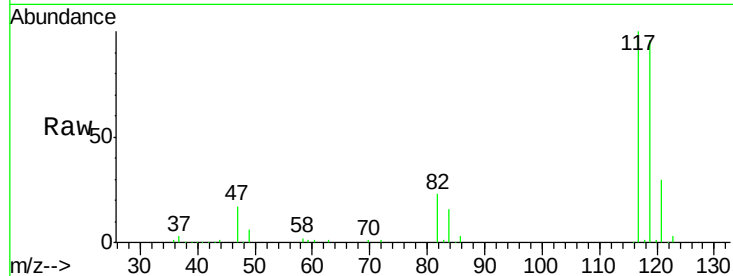
BFB64

Tgt Ion:117 Resp: 133087

Ion Ratio Lower Upper

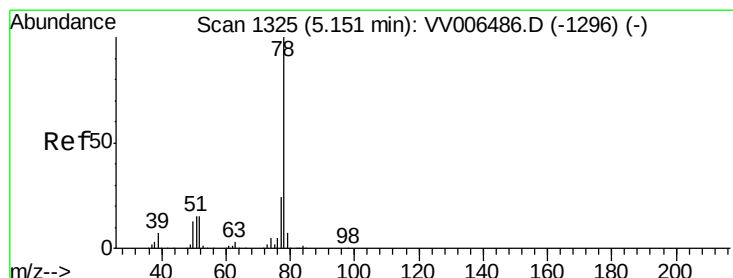
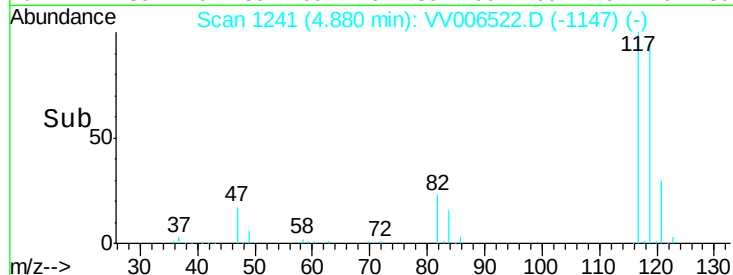
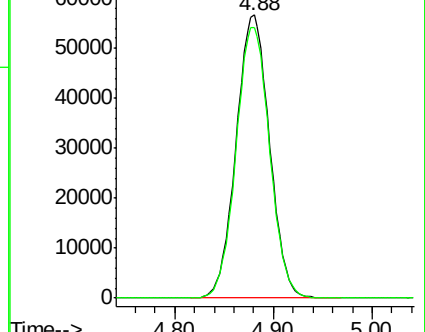
117 100

119 96.3 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.400 ug/L

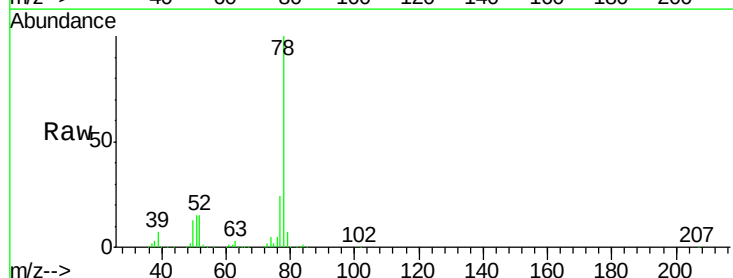
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

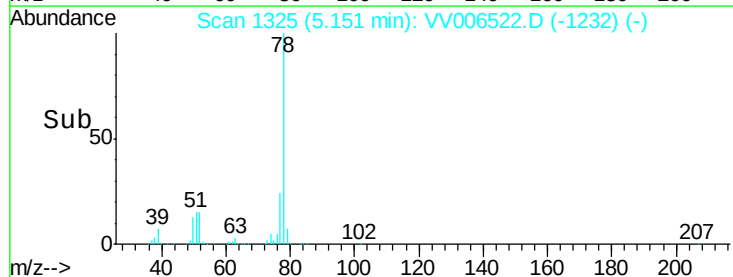
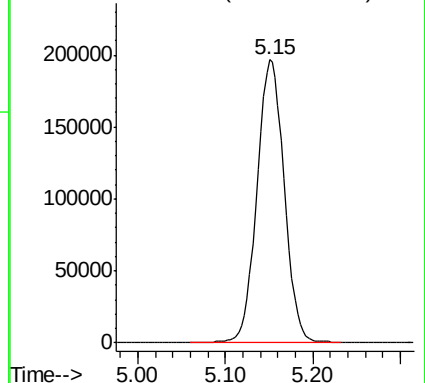
Lab File: VV006522.D

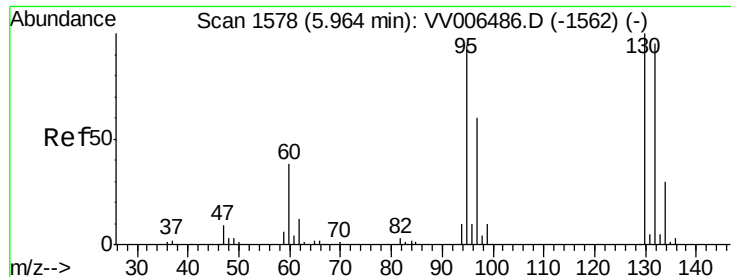
Acq: 02 Jul 2018 09:33

Tgt Ion: 78 Resp: 426163



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.291 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

BFB64

Tgt Ion: 95 Resp: 118881

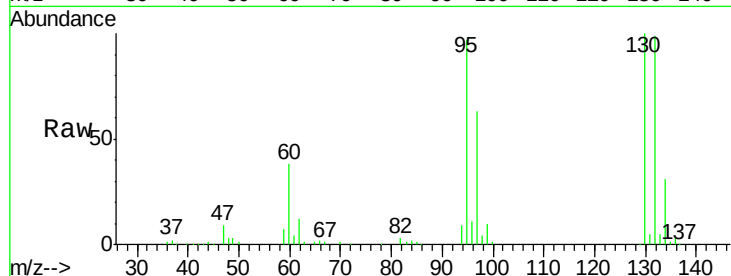
Ion Ratio Lower Upper

95 100

97 64.7 44.6 82.8

132 102.1 70.1 130.1

130 103.4 73.3 136.1

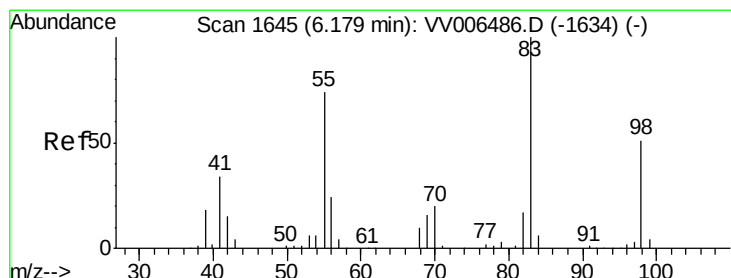
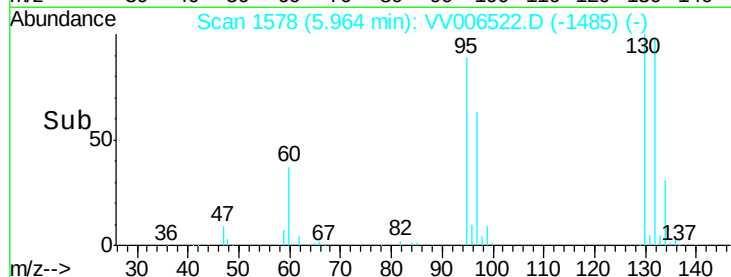
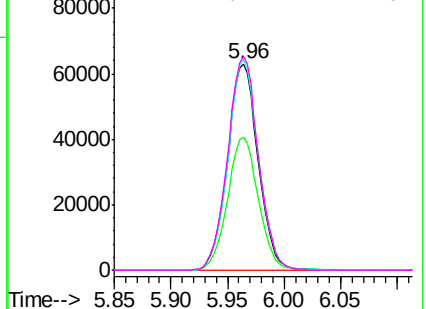


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.454 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

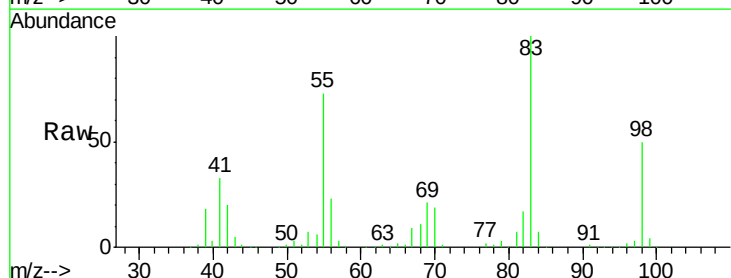
Tgt Ion: 83 Resp: 179407

Ion Ratio Lower Upper

83 100

55 73.1 57.5 86.3

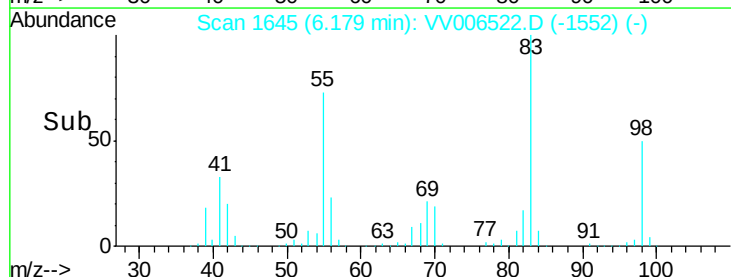
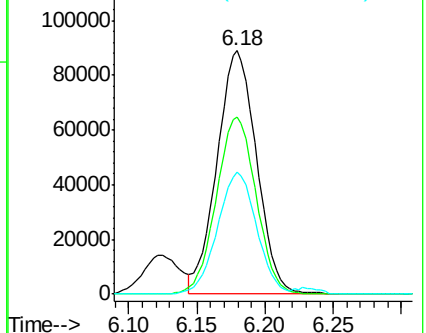
98 49.5 39.6 59.4

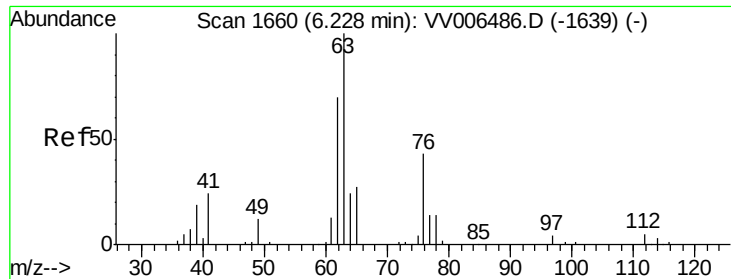


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

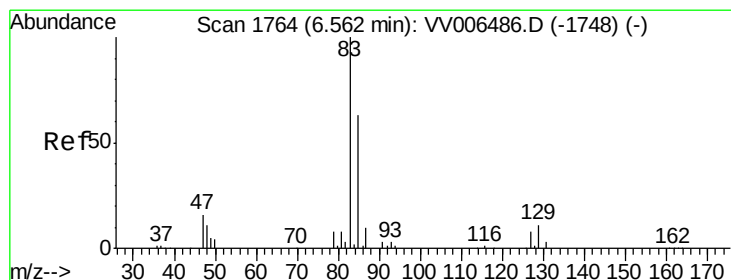
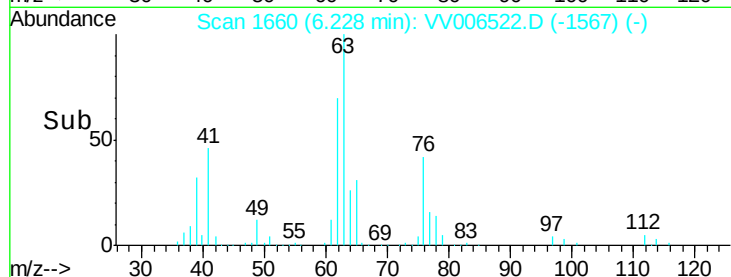
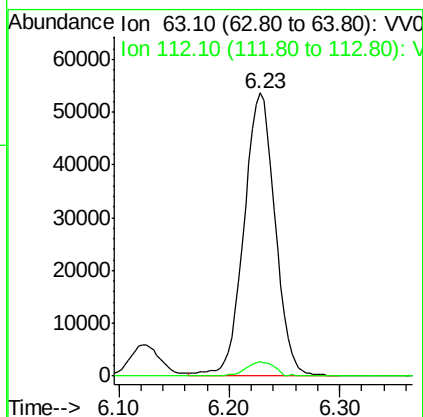
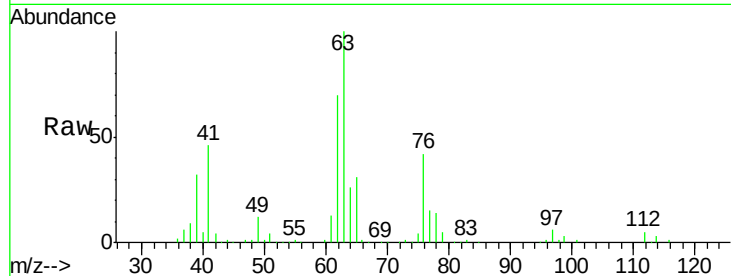




#37
 1,2-Dichloropropane
 Concen: 4.406 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006522.D
 Acq: 02 Jul 2018 09:33

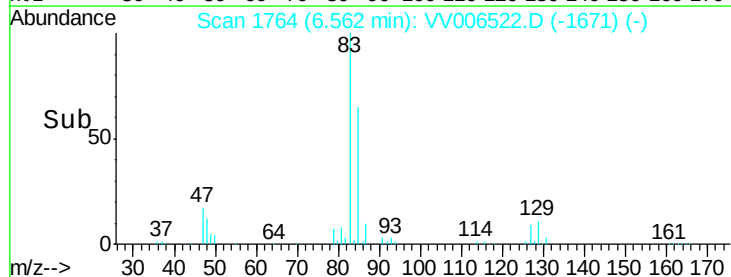
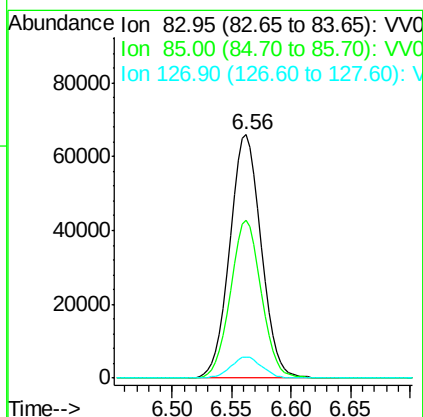
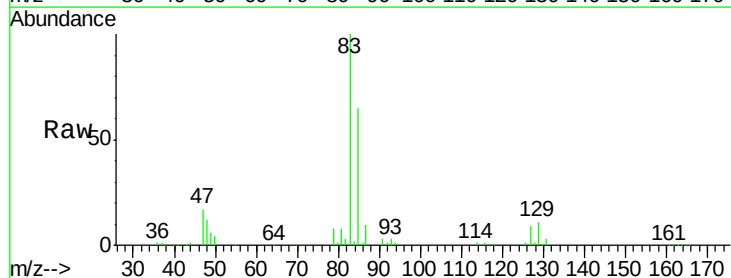
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB64

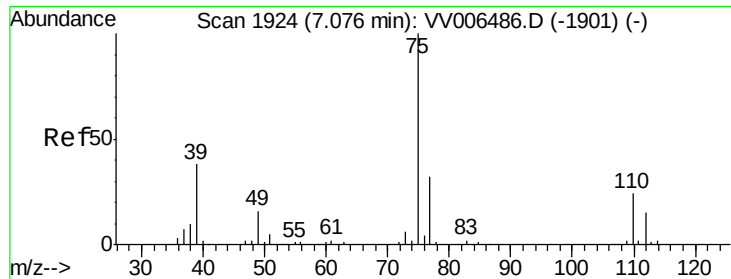
Tgt Ion: 63 Resp: 104272
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.0 6.0



#38
 Bromodichloromethane
 Concen: 4.438 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006522.D
 Acq: 02 Jul 2018 09:33

Tgt Ion: 83 Resp: 120905
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.1 83.9
 127 8.8 6.6 9.8

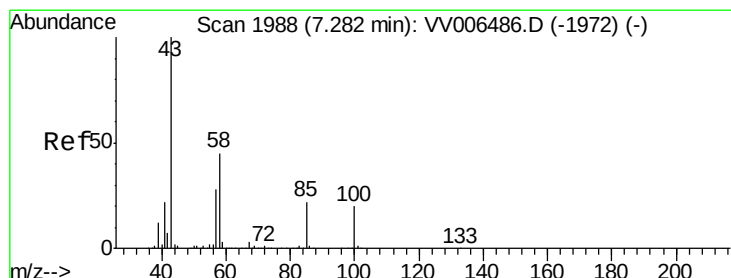
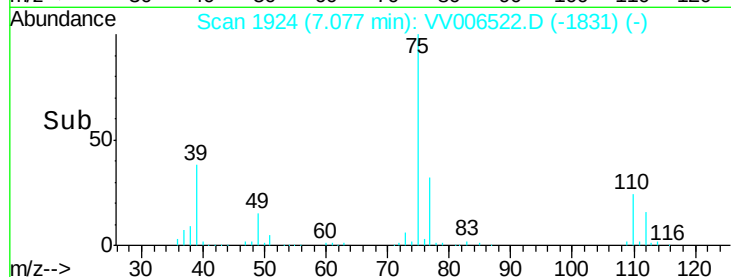
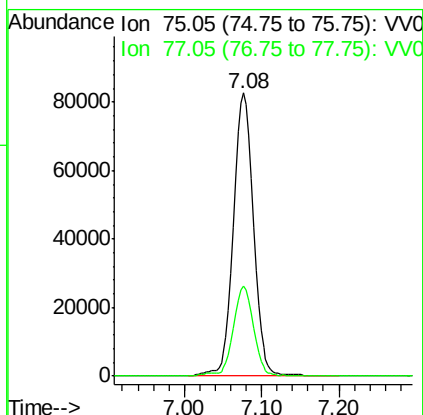
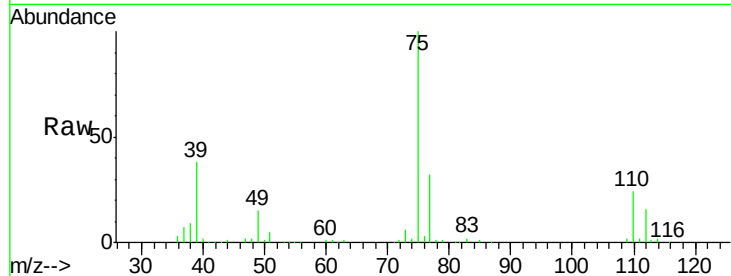




#39
 cis-1,3-Dichloropropene
 Concen: 4.482 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006522.D
 Acq: 02 Jul 2018 09:33

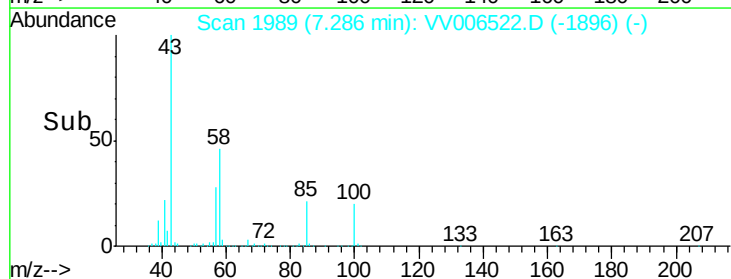
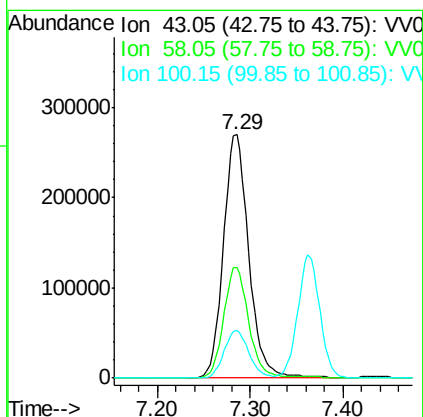
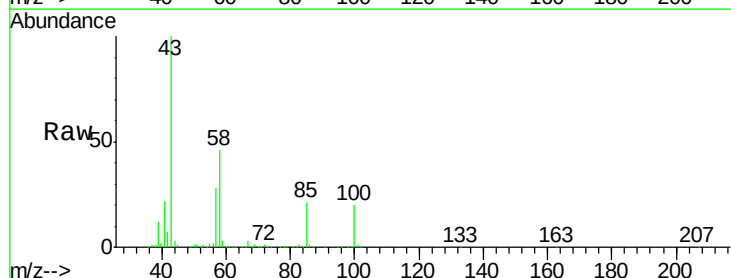
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB64

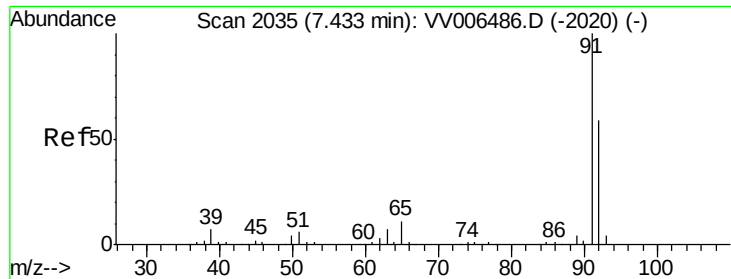
Tgt Ion: 75 Resp: 147608
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 44.431 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV006522.D
 Acq: 02 Jul 2018 09:33

Tgt Ion: 43 Resp: 511667
 Ion Ratio Lower Upper
 43 100
 58 44.7 35.4 53.2
 100 19.1 15.5 23.3





#42

Toluene

Concen: 4.374 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

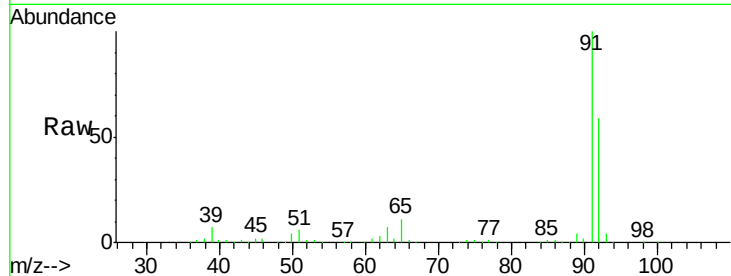
BFB64

Tgt Ion: 91 Resp: 448625

Ion Ratio Lower Upper

91 100

92 59.2 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV006486.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VV006486.D (-2020) (-)

7.44

300000

250000

200000

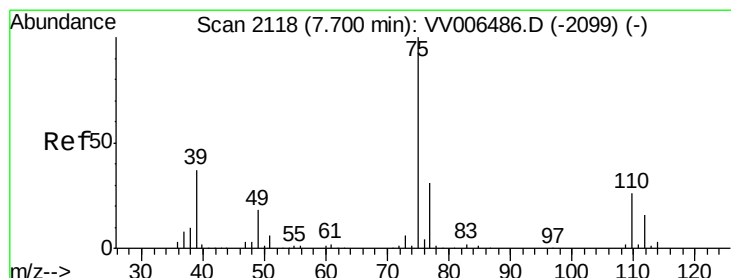
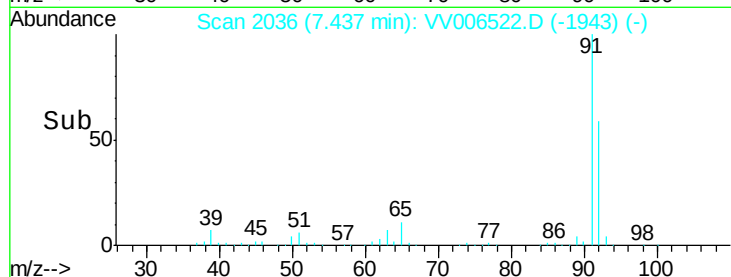
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.463 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006522.D

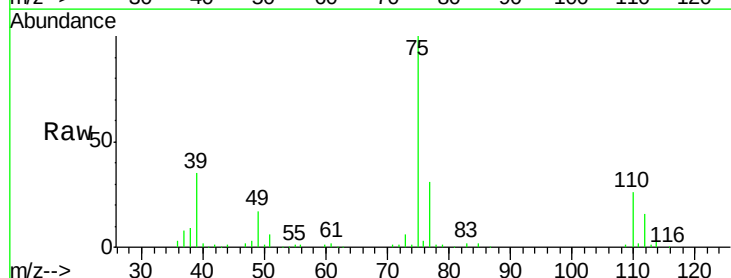
Acq: 02 Jul 2018 09:33

Tgt Ion: 75 Resp: 115286

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV006486.D (-2099) (-)

Ion 77.05 (76.75 to 77.75): VV006486.D (-2099) (-)

7.70

80000

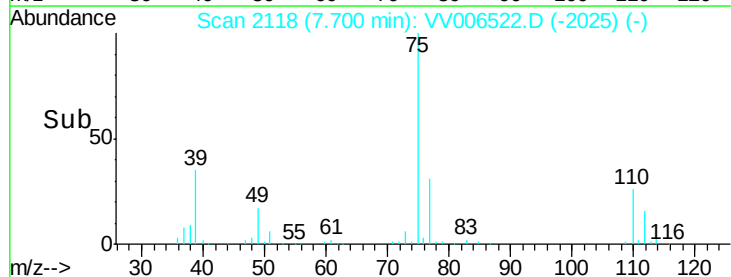
60000

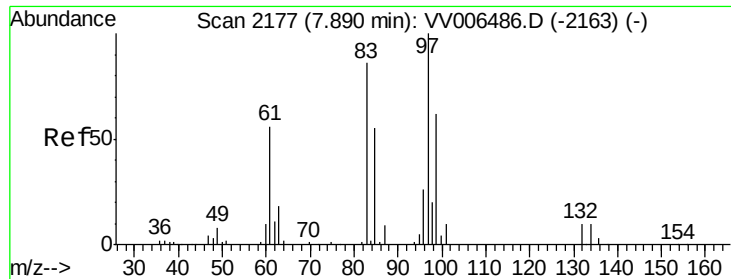
40000

20000

0

Time-->

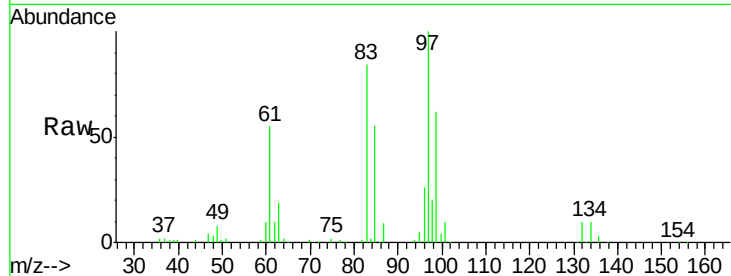




#45
 1,1,2-Trichloroethane
 Concen: 4.466 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006522.D
 Acq: 02 Jul 2018 09:33

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB64

Tgt Ion:	97	Resp:	72994
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.2	82.2
83	84.4	59.0	109.6
85	55.1	36.8	68.3

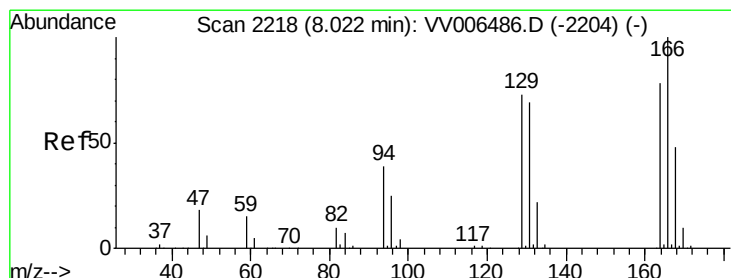
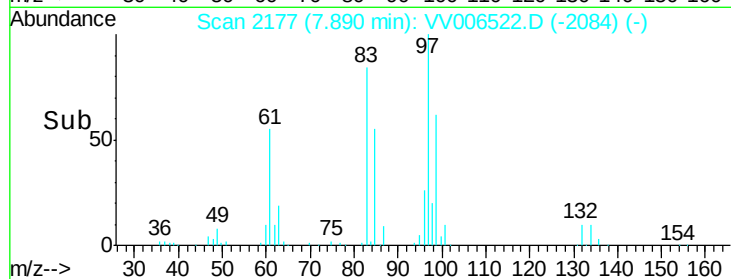
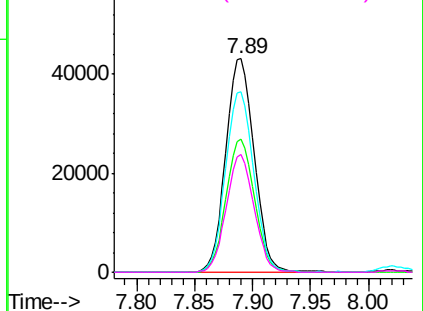


Abundance Ion 96.95 (96.65 to 97.65): VV006522.D (-2084) (-)

Ion 99.05 (98.75 to 99.75): VV006522.D (-2084) (-)

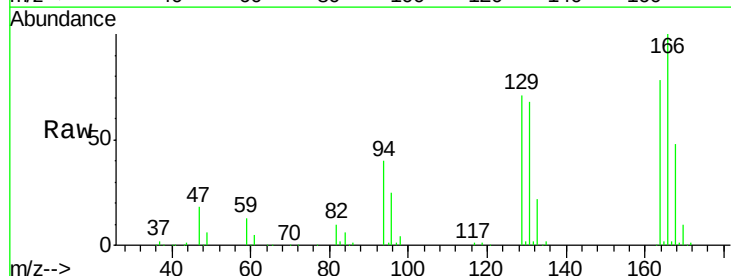
Ion 82.95 (82.65 to 83.65): VV006522.D (-2084) (-)

Ion 85.00 (84.70 to 85.70): VV006522.D (-2084) (-)



#47
 Tetrachloroethene
 Concen: 4.368 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006522.D
 Acq: 02 Jul 2018 09:33

Tgt Ion:	164	Resp:	91434
Ion	Ratio	Lower	Upper
164	100		
129	91.0	64.0	118.8
131	87.0	61.7	114.5
166	127.7	89.0	165.2

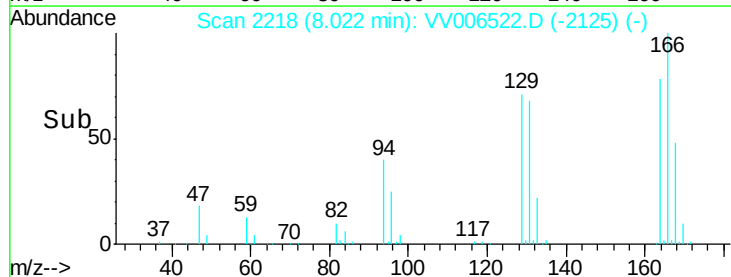
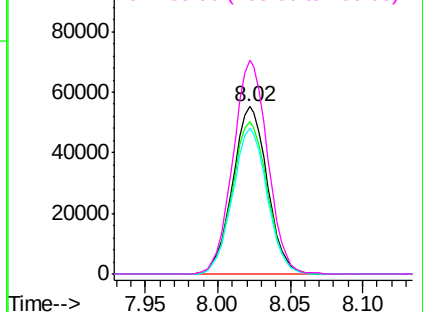


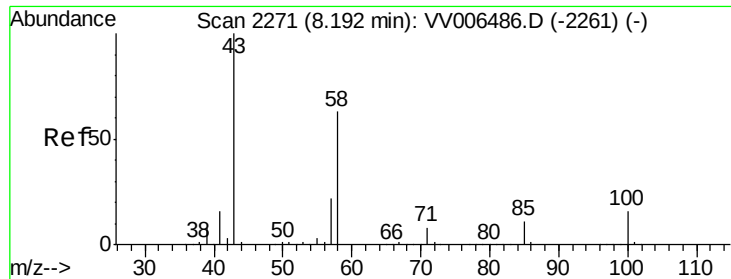
Abundance Ion 163.90 (163.60 to 164.60): VV006522.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VV006522.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VV006522.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VV006522.D (-2125) (-)

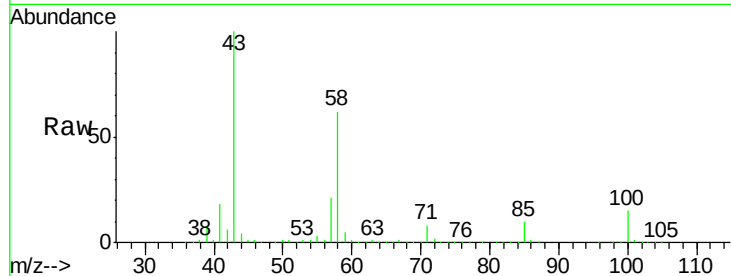




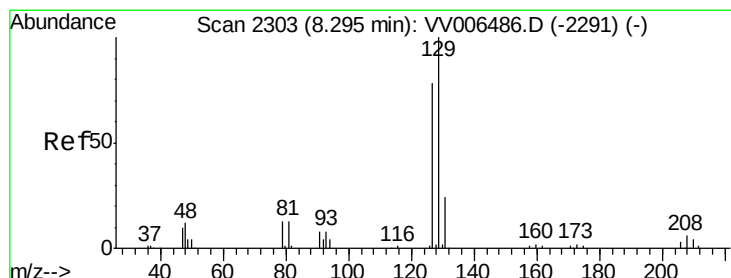
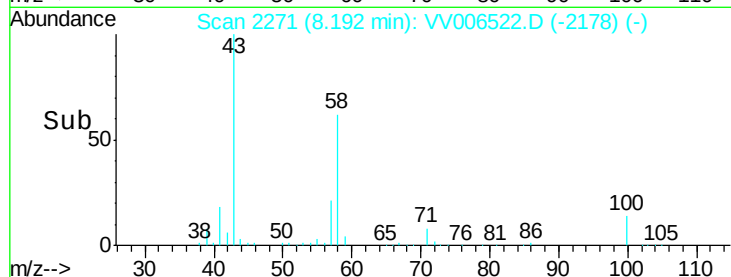
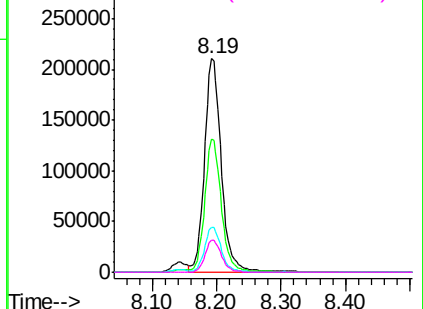
#48
2-Hexanone
Concen: 45.828 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006522.D
Acq: 02 Jul 2018 09:33

Instrument :
MSVOA_V
ClientSampleId :
BFB64

Tgt Ion: 43 Resp: 379675
Ion Ratio Lower Upper
43 100
58 61.2 49.9 74.9
57 20.6 17.3 25.9
100 14.8 12.5 18.7

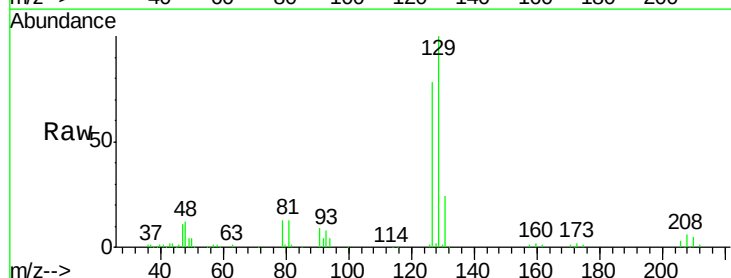


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

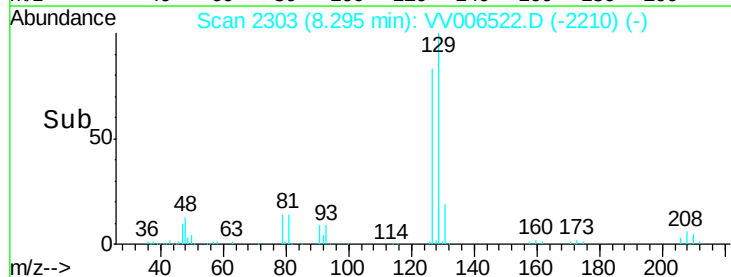
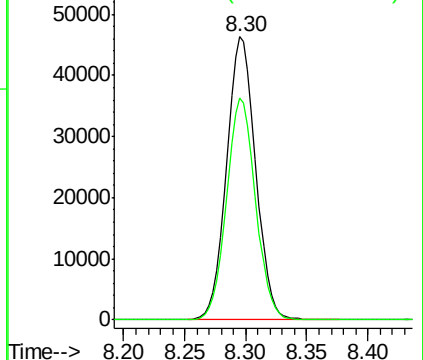


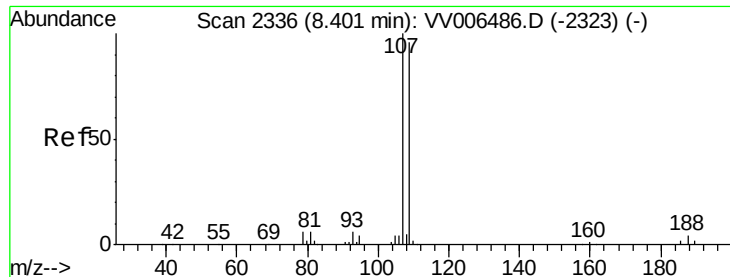
#49
Dibromochloromethane
Concen: 4.441 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006522.D
Acq: 02 Jul 2018 09:33

Tgt Ion: 129 Resp: 77390
Ion Ratio Lower Upper
129 100
127 78.2 54.0 100.2



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

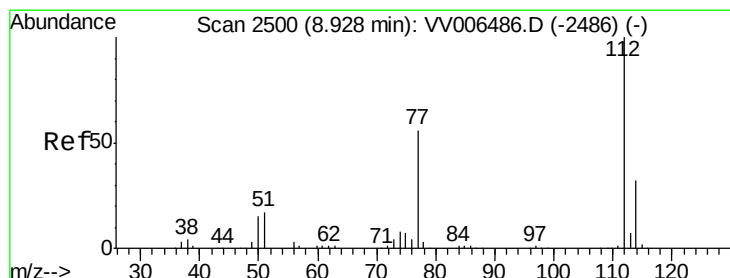
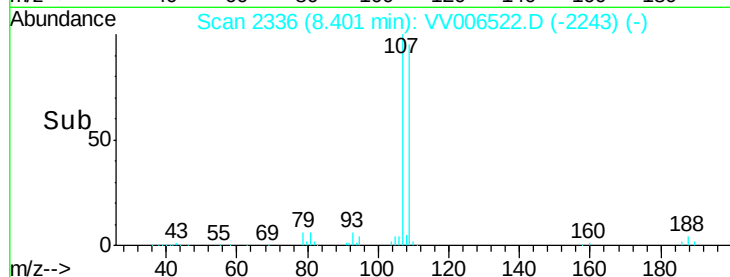
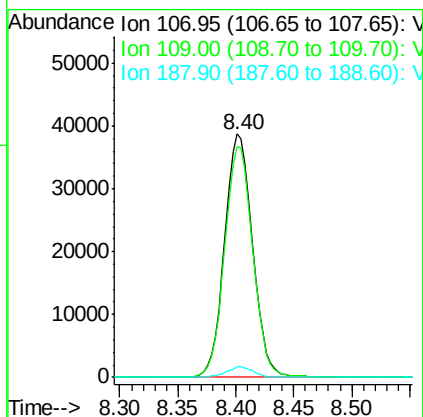
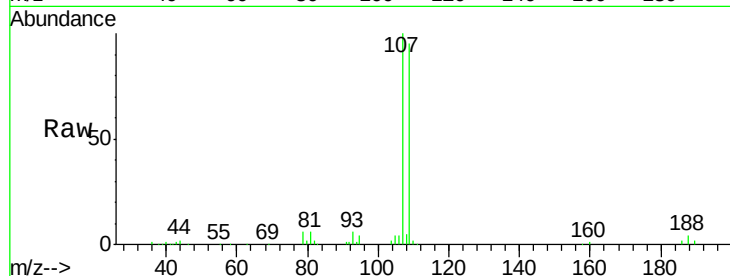




#50
1,2-Dibromoethane
Concen: 4.379 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006522.D
Acq: 02 Jul 2018 09:33

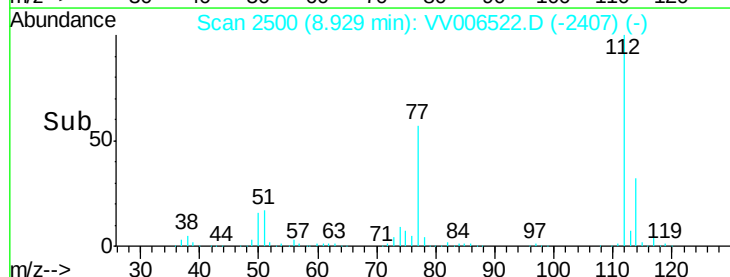
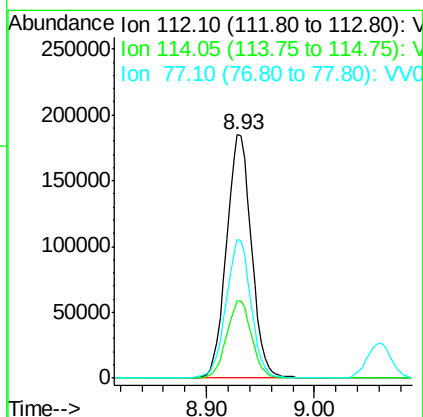
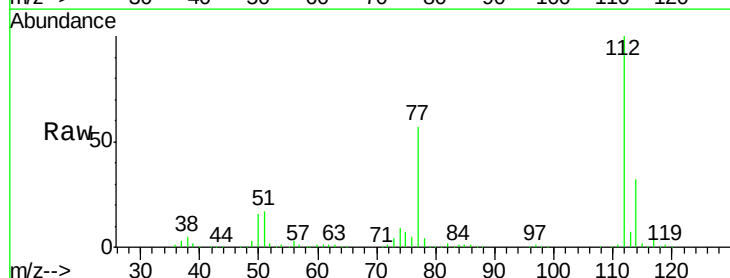
Instrument :
MSVOA_V
ClientSampleId :
BFB64

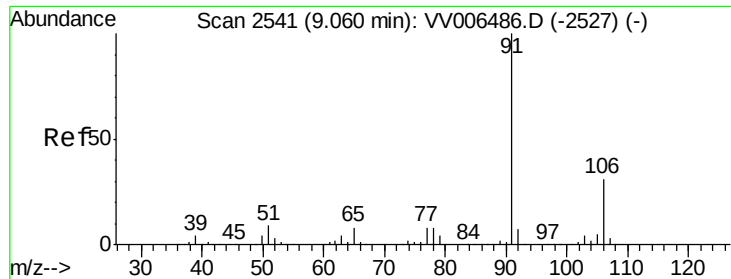
Tgt Ion:107 Resp: 64351
Ion Ratio Lower Upper
107 100
109 94.8 64.3 119.5
188 4.2 3.0 4.6



#51
Chlorobenzene
Concen: 4.399 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006522.D
Acq: 02 Jul 2018 09:33

Tgt Ion:112 Resp: 298537
Ion Ratio Lower Upper
112 100
114 31.8 22.8 42.4
77 56.9 44.6 66.8





#52

Ethylbenzene

Concen: 4.446 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

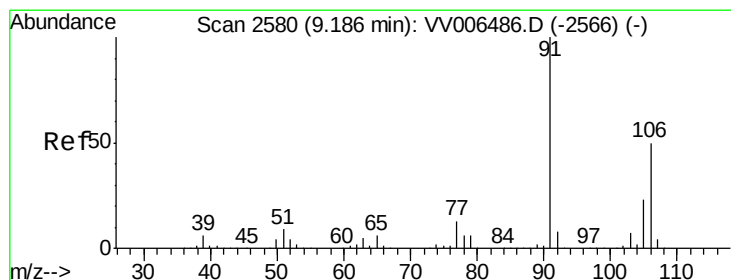
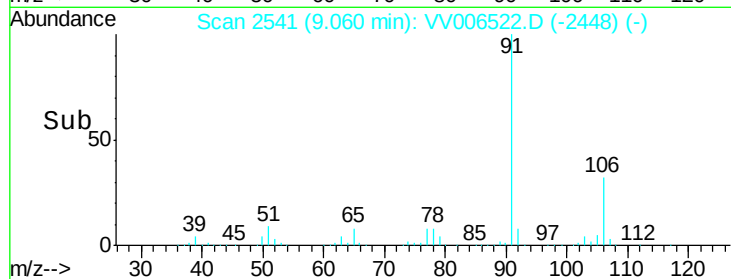
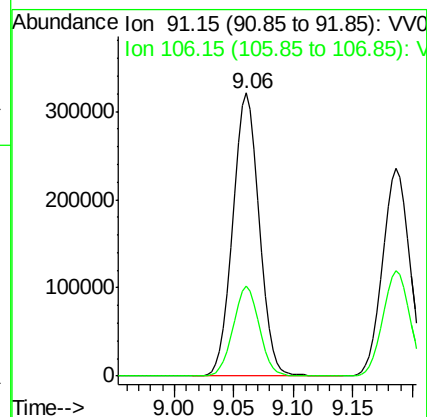
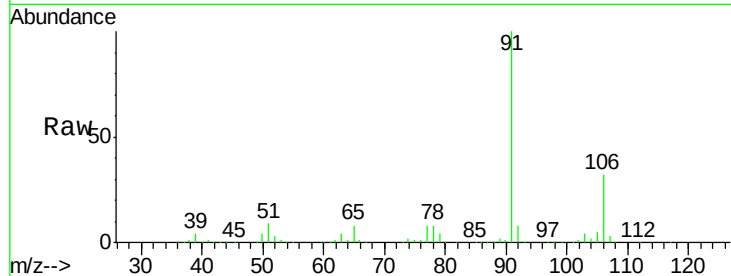
BFB64

Tgt Ion: 91 Resp: 493628

Ion Ratio Lower Upper

91 100

106 31.7 22.2 41.2



#53

m,p-xylene

Concen: 4.453 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006522.D

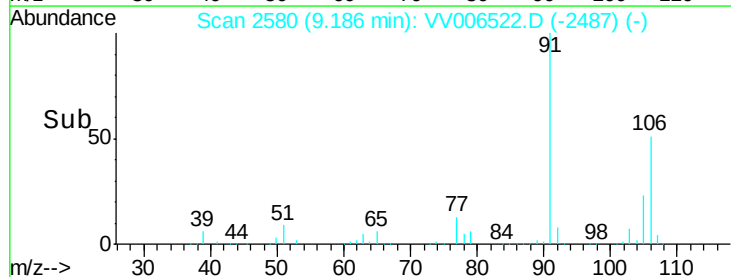
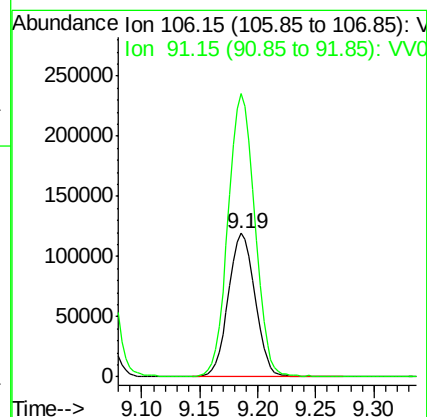
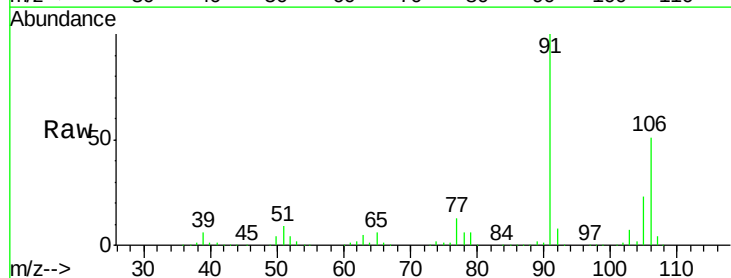
Acq: 02 Jul 2018 09:33

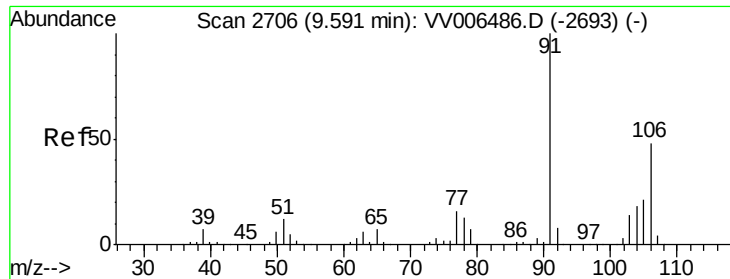
Tgt Ion: 106 Resp: 190670

Ion Ratio Lower Upper

106 100

91 197.4 138.8 257.8

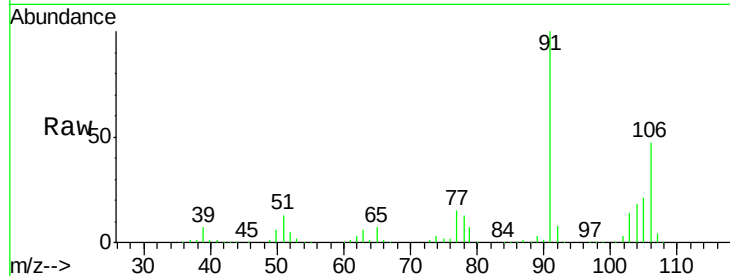




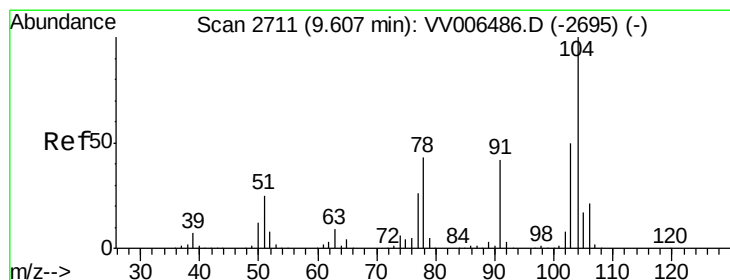
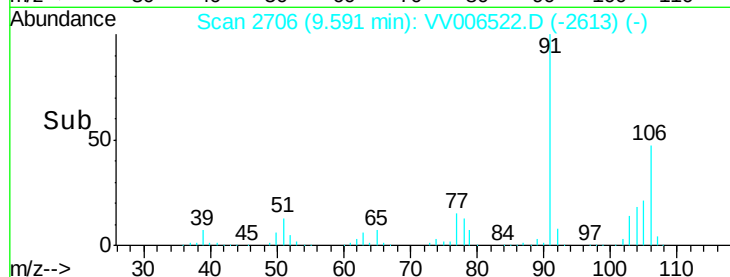
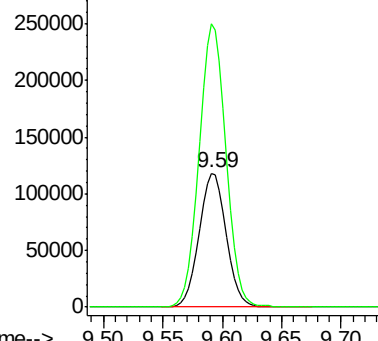
#54
o-xylene
Concen: 4.435 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VV006522.D
Acq: 02 Jul 2018 09:33

Instrument :
MSVOA_V
ClientSampleId :
BFB64

Tgt Ion:106 Resp: 186296
Ion Ratio Lower Upper
106 100
91 210.9 145.7 270.7

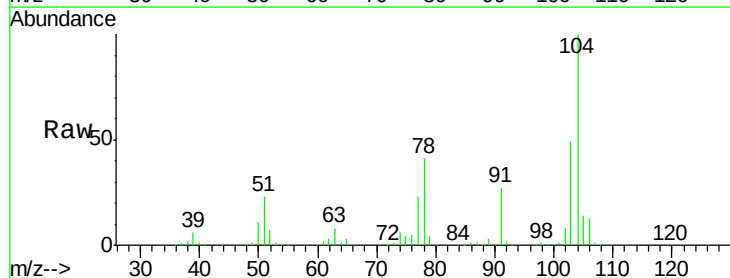


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

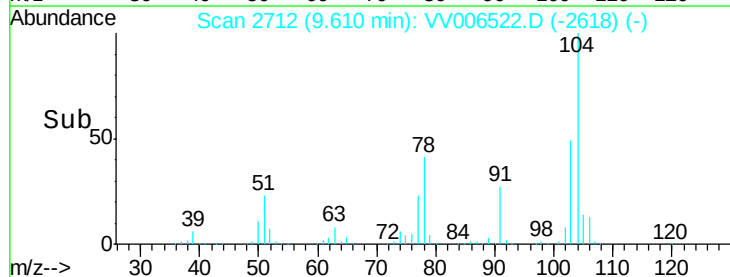
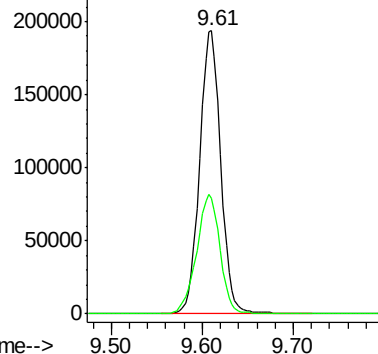


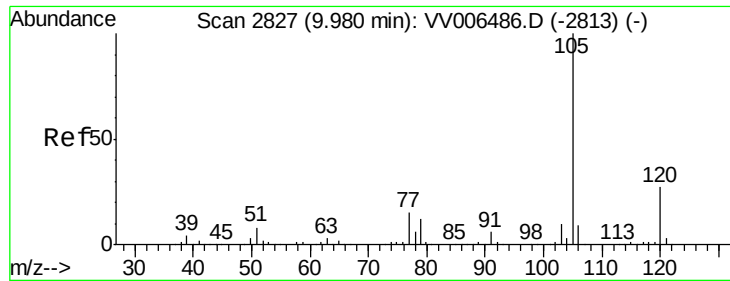
#55
Styrene
Concen: 4.552 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV006522.D
Acq: 02 Jul 2018 09:33

Tgt Ion:104 Resp: 312885
Ion Ratio Lower Upper
104 100
78 41.0 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.453 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

Instrument :

MSVOA_V

ClientSampleId :

BFB64

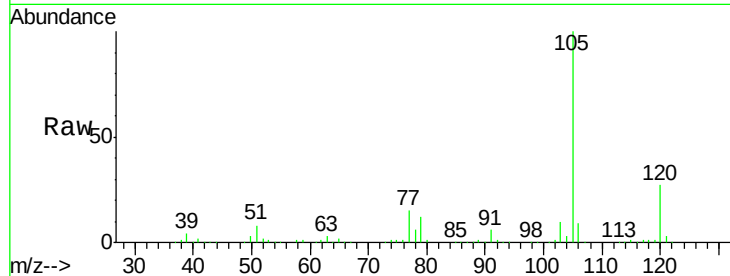
Tgt Ion: 105 Resp: 487474

Ion Ratio Lower Upper

105 100

120 27.0 21.7 32.5

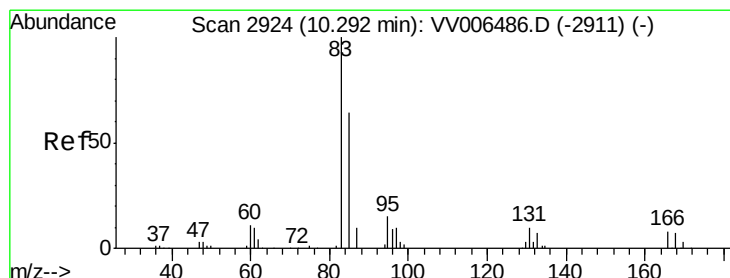
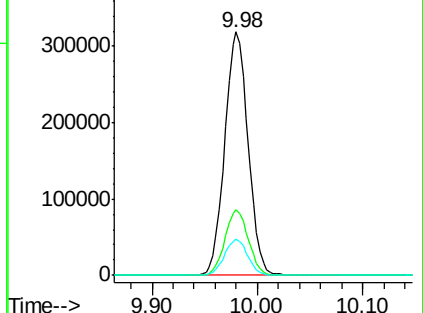
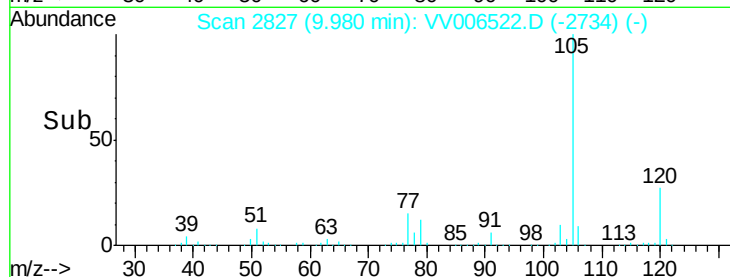
77 14.9 11.8 17.8



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: 4.333 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

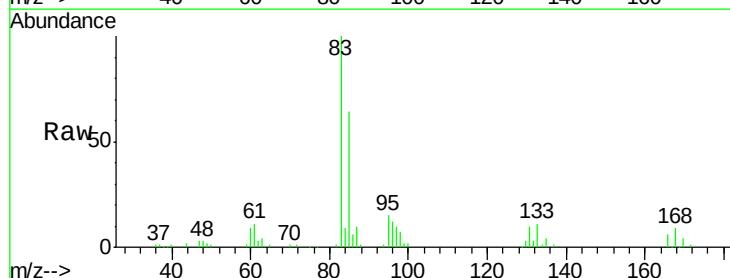
Tgt Ion: 83 Resp: 66790

Ion Ratio Lower Upper

83 100

85 63.8 44.8 83.2

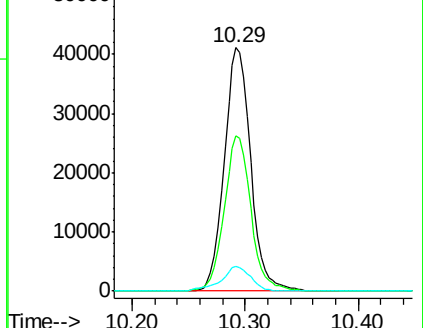
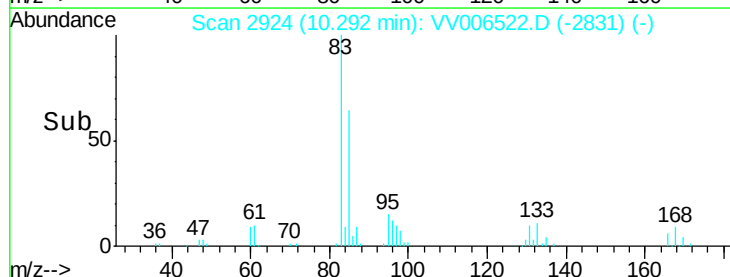
131 10.0 7.9 11.9

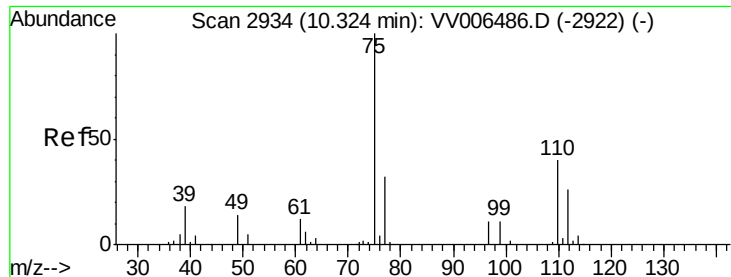


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

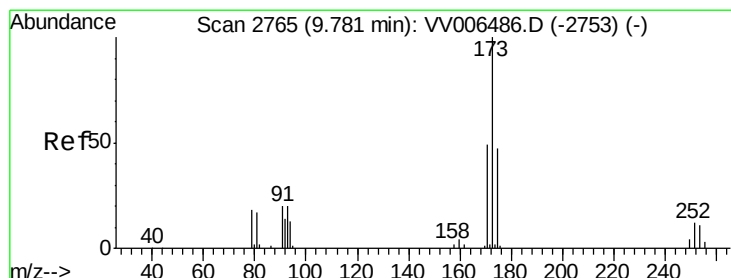
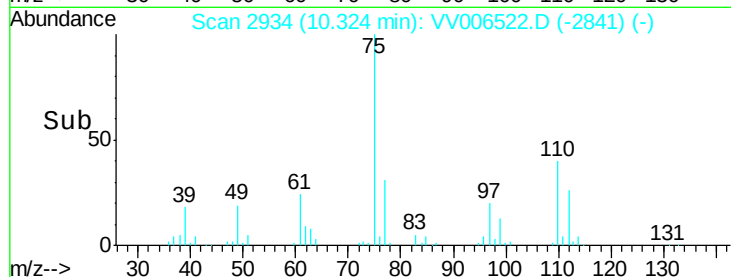
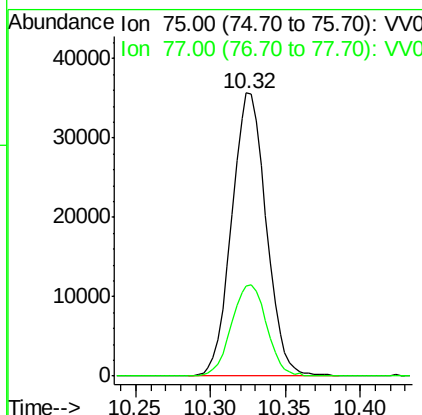
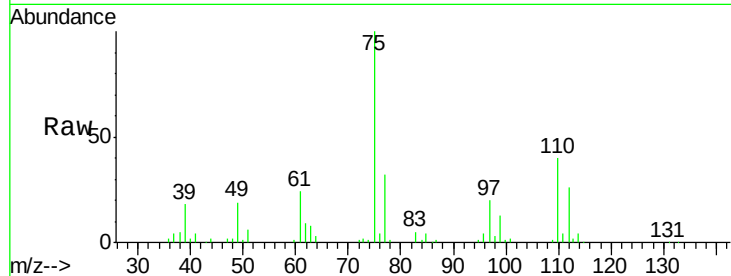




#59
1,2,3-Trichloropropane
Concen: 4.463 ug/L
RT: 10.32 min Scan# 2934
Delta R.T. 0.00 min
Lab File: VV006522.D
Acq: 02 Jul 2018 09:33

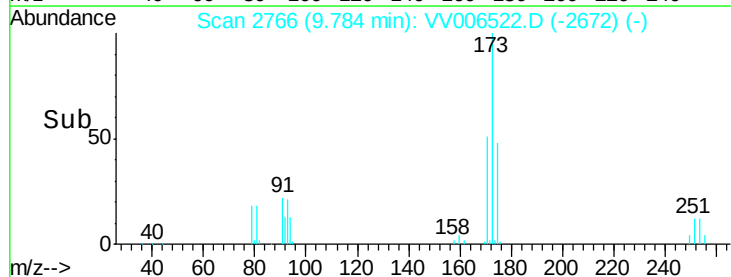
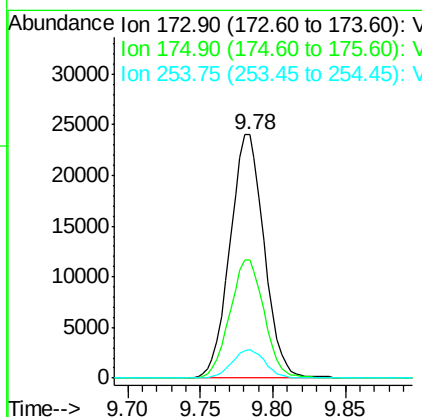
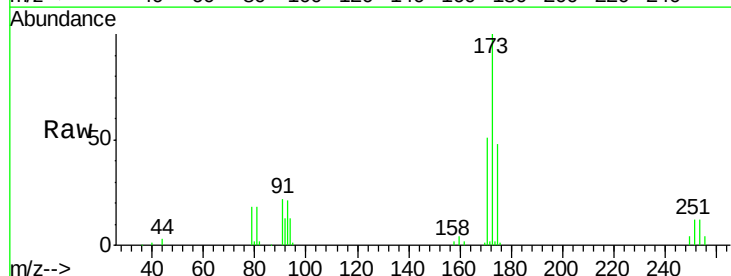
Instrument :
MSVOA_V
ClientSampled :
BFB64

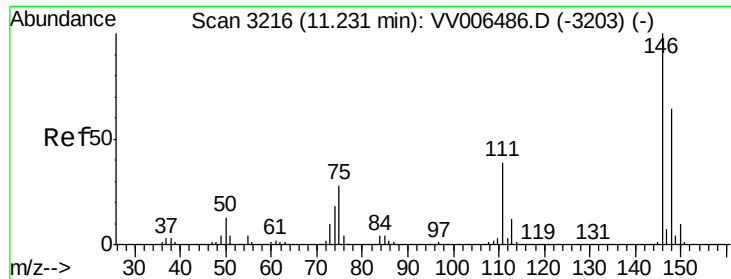
Tgt Ion: 75 Resp: 57449
Ion Ratio Lower Upper
75 100
77 33.0 25.7 38.5



#61
Bromoform
Concen: 4.411 ug/L
RT: 9.78 min Scan# 2766
Delta R.T. 0.00 min
Lab File: VV006522.D
Acq: 02 Jul 2018 09:33

Tgt Ion: 173 Resp: 39208
Ion Ratio Lower Upper
173 100
175 48.6 38.8 58.2
254 11.3 9.0 13.6

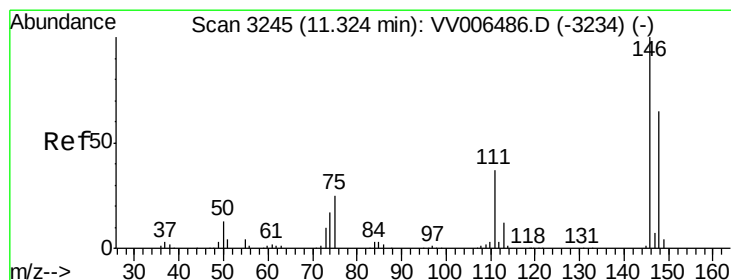
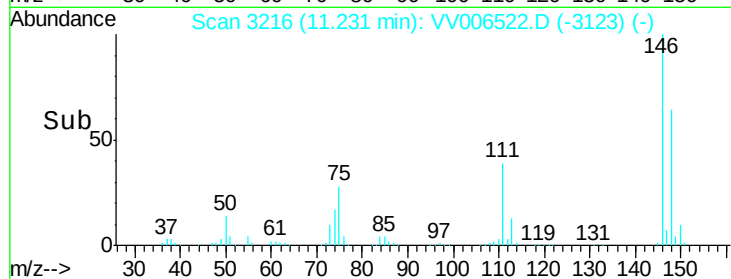
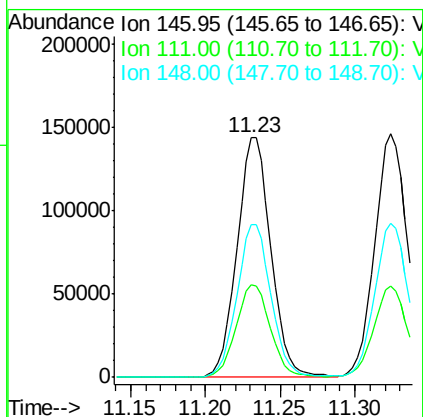
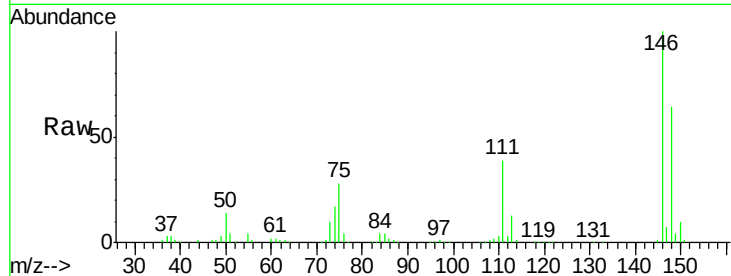




#62
 1,3-Dichlorobenzene
 Concen: 4.350 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. 0.00 min
 Lab File: VV006522.D
 Acq: 02 Jul 2018 09:33

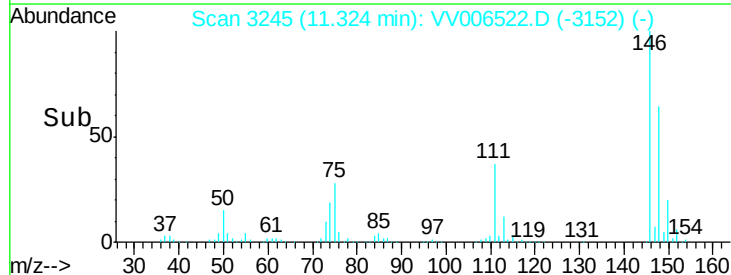
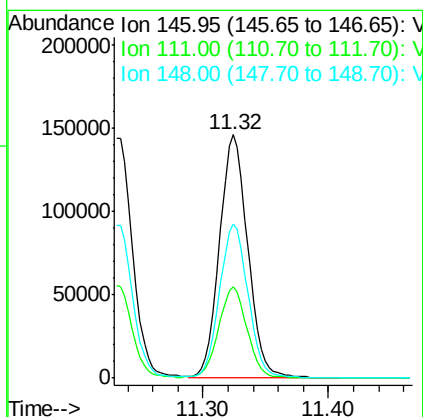
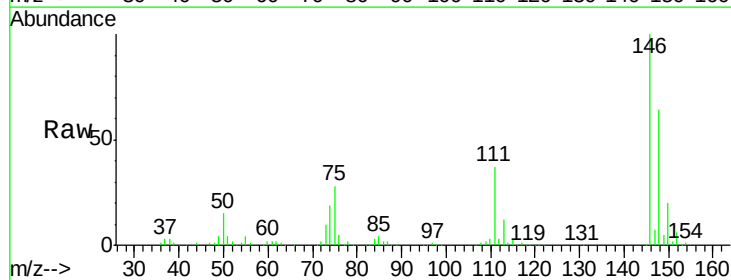
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB64

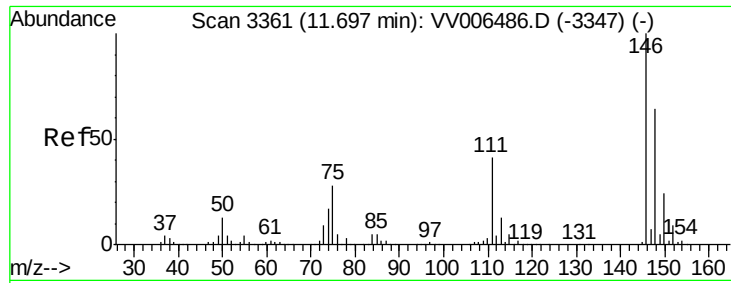
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.4	51.0
148	63.9	44.1	81.9



#63
 1,4-Dichlorobenzene
 Concen: 4.390 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006522.D
 Acq: 02 Jul 2018 09:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	26.3	48.9
148	63.5	44.0	81.6

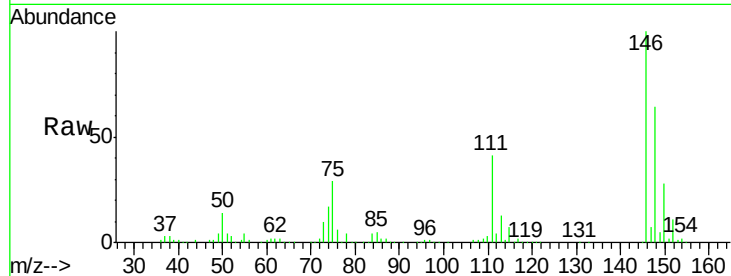




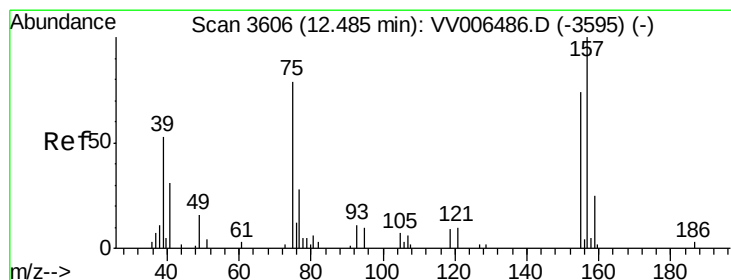
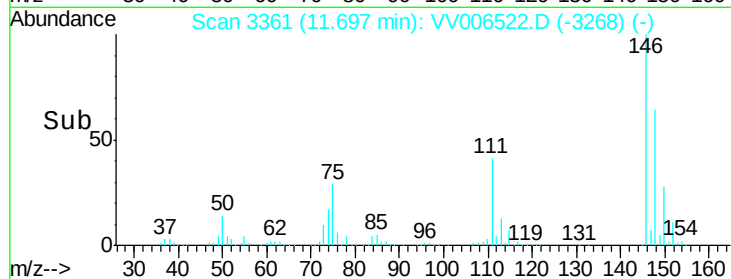
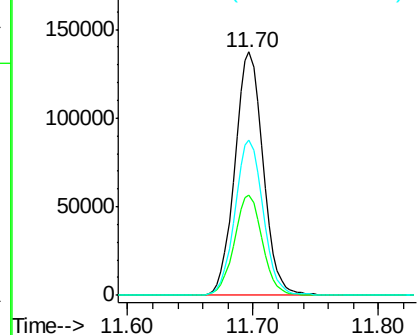
#65
 1,2-Dichlorobenzene
 Concen: 4.389 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006522.D
 Acq: 02 Jul 2018 09:33

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB64

Tgt Ion: 146 Resp: 214341
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.0 48.0
 148 63.7 50.8 76.2

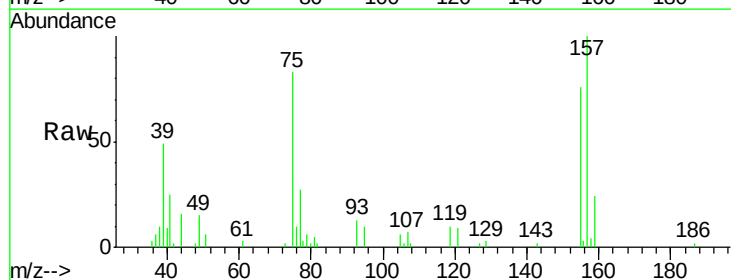


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

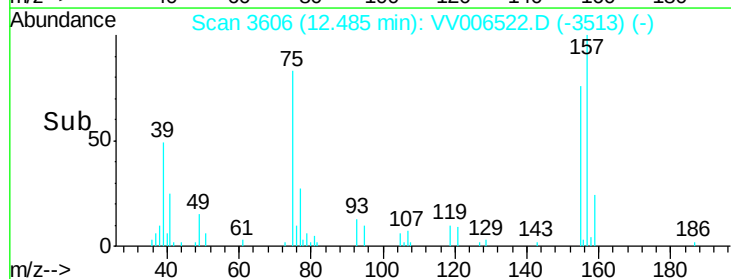
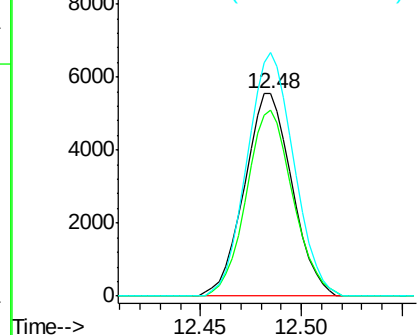


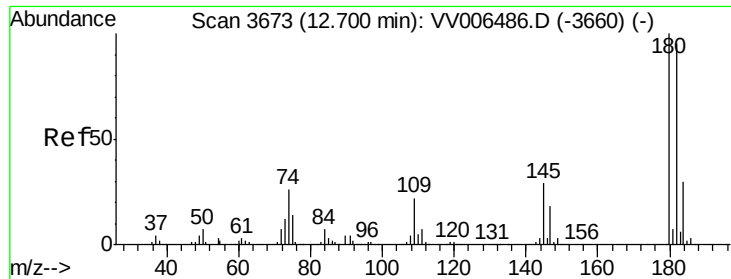
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.398 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV006522.D
 Acq: 02 Jul 2018 09:33

Tgt Ion: 75 Resp: 9127
 Ion Ratio Lower Upper
 75 100
 155 91.7 73.9 110.9
 157 120.4 92.9 139.3



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

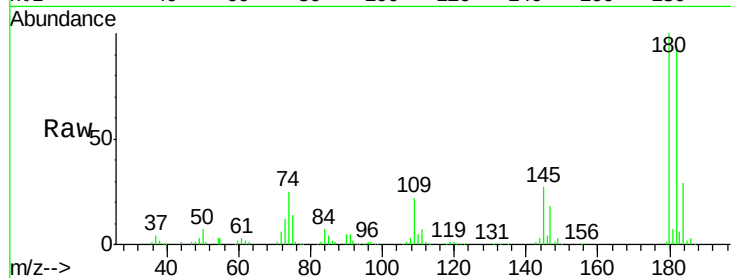




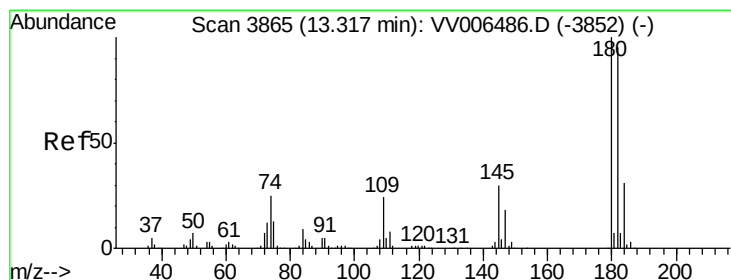
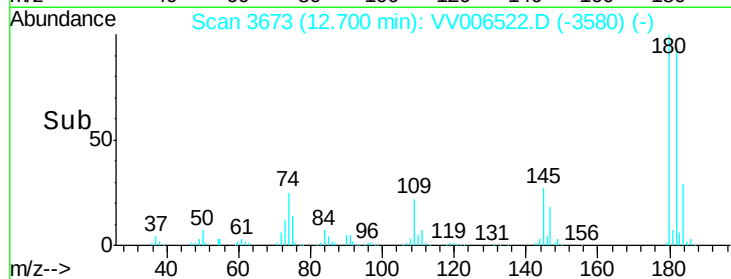
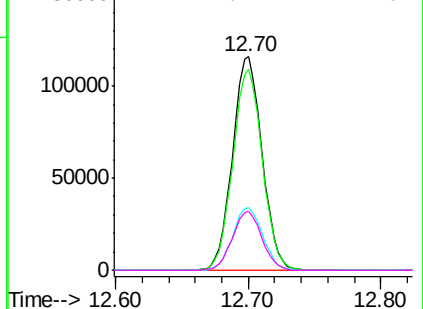
#67
 1,3,5-Trichlorobenzene
 Concen: 4.515 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006522.D
 Acq: 02 Jul 2018 09:33

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB64

Tgt Ion:180 Resp: 179007
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.6 115.0
 184 29.8 24.5 36.7
 145 27.7 22.6 34.0

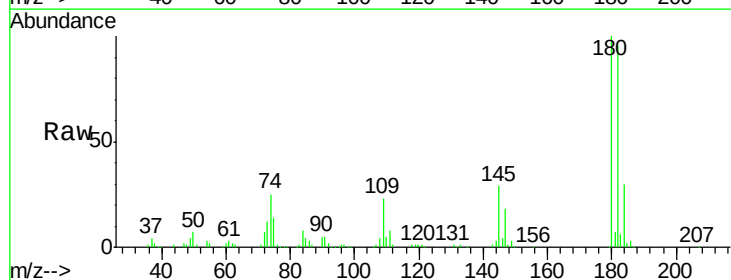


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

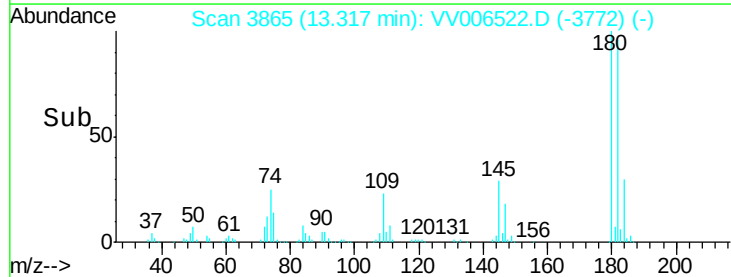
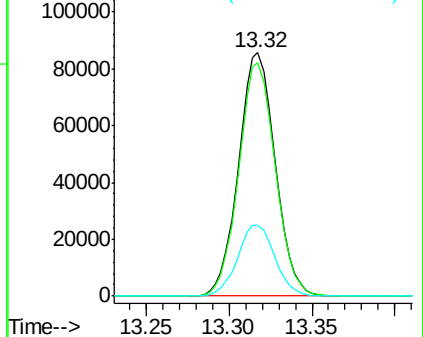


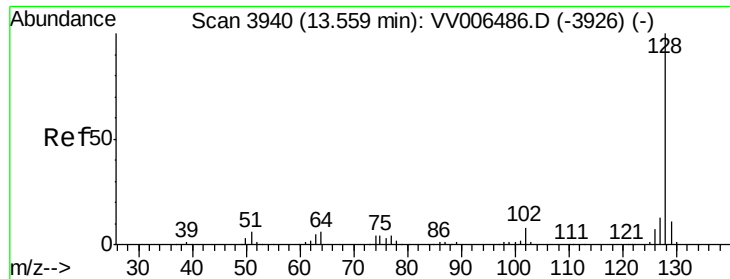
#68
 1,2,4-trichlorobenzene
 Concen: 4.537 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006522.D
 Acq: 02 Jul 2018 09:33

Tgt Ion:180 Resp: 131890
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.7 115.1
 145 29.6 23.0 34.6



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: 4.314 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

Instrument :

MSVOA_V

ClientSampled :

BFB64

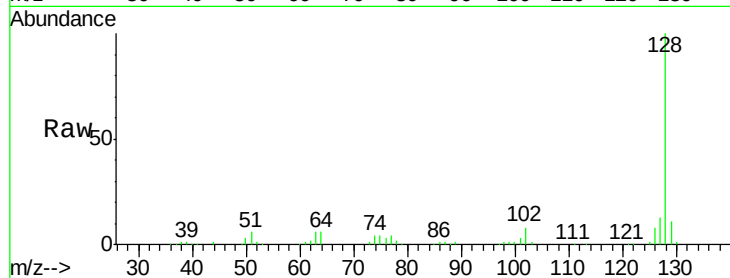
Tgt Ion:128 Resp: 183307

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

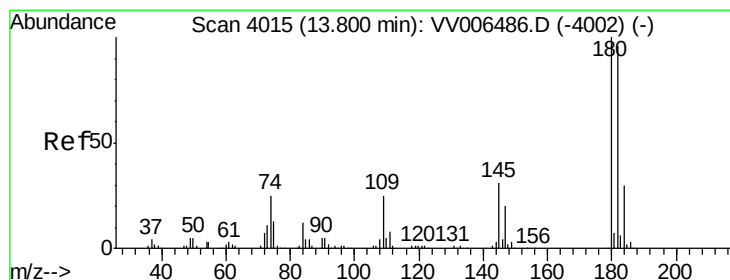
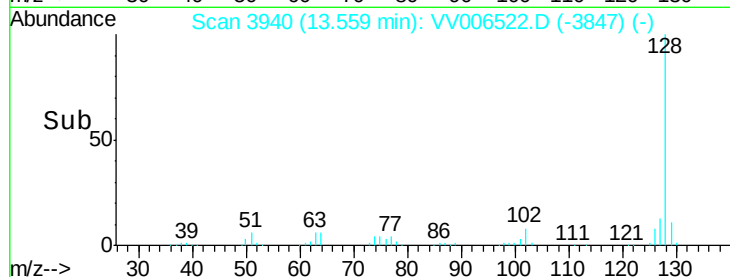
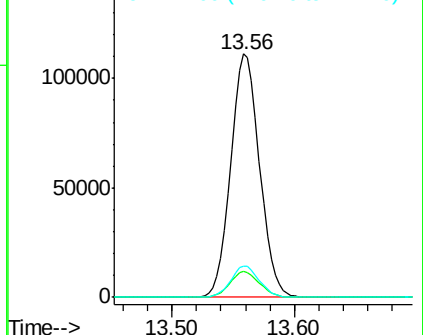
127 12.7 10.2 15.4



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: 4.550 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006522.D

Acq: 02 Jul 2018 09:33

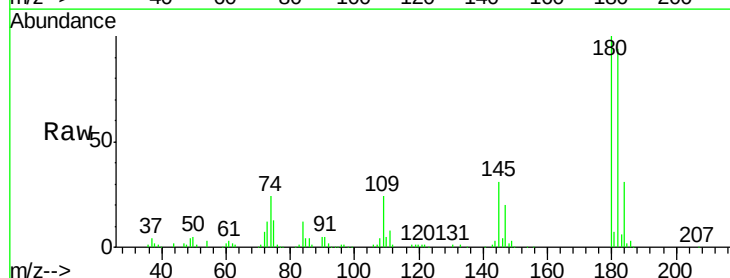
Tgt Ion:180 Resp: 123128

Ion Ratio Lower Upper

180 100

182 94.3 76.0 114.0

145 30.5 24.8 37.2



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

