

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090618\
 Data File : VV007441.D
 Acq On : 07 Sep 2018 00:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 07 01:35:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 07 01:29:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	499396	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	484709	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	247906	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	152391	42.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.44%
7) Chloroethane-d5	1.56	69	114480	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.98%
11) 1,1-Dichloroethene-d2	2.13	63	285915	45.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.00%
21) 2-Butanone-d5	3.96	46	250578	86.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.36%
24) Chloroform-d	4.41	84	353228	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.74%
26) 1,2-Dichloroethane-d4	5.09	65	215049	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.62%
32) Benzene-d6	5.10	84	704390	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.44%
36) 1,2-Dichloropropane-d6	6.12	67	231220	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.46%
41) Toluene-d8	7.36	98	654251	52.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.06%
43) trans-1,3-Dichloropropene-	7.67	79	97923	46.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.92%
47) 2-Hexanone-d5	8.14	63	186688	97.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.28%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	345704	51.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	266836	50.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	195117	49.227	ug/L	99
3) Chloromethane	1.26	50	232120	55.209	ug/L	100
5) Vinyl chloride	1.33	62	213217	50.019	ug/L	99
6) Bromomethane	1.51	94	83237	40.524	ug/L	98
8) Chloroethane	1.58	64	119430	54.599	ug/L	99
9) Trichlorofluoromethane	1.76	101	265369	49.179	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	161166	48.106	ug/L	99
12) 1,1-Dichloroethene	2.14	96	153441	48.582	ug/L	97
13) Acetone	2.20	43	157206	90.986	ug/L	99
14) Carbon disulfide	2.31	76	420116	46.944	ug/L	99
15) Methyl Acetate	2.46	43	185158	49.195	ug/L	99
16) Methylene chloride	2.53	84	182232	48.520	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	167008	48.472	ug/L	100
18) Methyl tert-butyl Ether	2.81	73	545378	50.542	ug/L	99
19) 1,1-Dichloroethane	3.23	63	318100	44.578	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	196516	49.565	ug/L	98
22) 2-Butanone	4.04	43	288814	99.806	ug/L	100

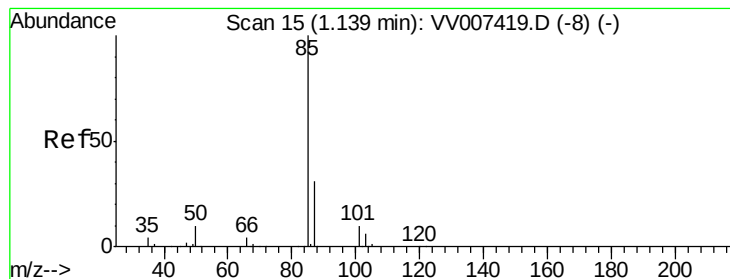
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090618\
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 07 01:29:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	102910	49.608	ug/L	99
25) Chloroform	4.43	83	353143	50.279	ug/L	100
27) 1,2-Dichloroethane	5.19	62	264345	50.264	ug/L	99
29) Cyclohexane	4.72	56	257943	48.001	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	290828	49.131	ug/L	99
31) Carbon tetrachloride	4.87	117	246437	48.096	ug/L	99
33) Benzene	5.15	78	793454	51.177	ug/L	100
34) Trichloroethene	5.96	95	179546	47.438	ug/L	98
35) Methylcyclohexane	6.18	83	269900	47.821	ug/L	99
37) 1,2-Dichloropropane	6.23	63	211949	49.744	ug/L	99
38) Bromodichloromethane	6.56	83	255361	49.083	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	274246	47.933	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	529469	107.568	ug/L	100
42) Toluene	7.43	91	799998	53.637	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	262653	49.095	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	201326	50.063	ug/L	99
46) Tetrachloroethene	8.02	164	154838	50.876	ug/L	96
48) 2-Hexanone	8.19	43	429635	111.922	ug/L	99
49) Dibromochloromethane	8.30	129	207370	50.274	ug/L	99
50) 1,2-Dibromoethane	8.40	107	198886	50.638	ug/L	99
51) Chlorobenzene	8.93	112	513946	51.028	ug/L	100
52) Ethylbenzene	9.06	91	793617	52.469	ug/L	99
53) m,p-Xylene	9.19	106	311437	53.782	ug/L	99
54) o-xylene	9.59	106	302478	53.718	ug/L	100
55) Styrene	9.61	104	566834	58.113	ug/L	100
56) Isopropylbenzene	9.98	105	767199	53.870	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	345492	54.316	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	271045	53.487	ug/L	99
61) Bromoform	9.78	173	153712	45.532	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	367226	48.761	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	404932	50.133	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	435237	51.696	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	66731	46.751	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	280786	48.586	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	217436	48.568	ug/L	99
69) Naphthalene	13.56	128	661116	51.164	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	256930	51.935	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.227 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

Instrument :

MSVOA_V

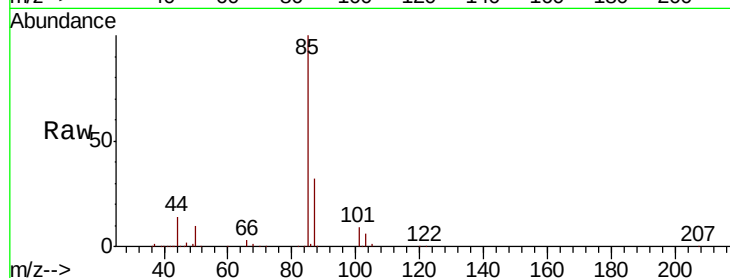
ClientSampleId :

Tot Ion: 85 Resp: 195117

Ion Ratio Lower Upper

85 100

87 31.9 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV007441.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007441.D (-8) (-)

1.14

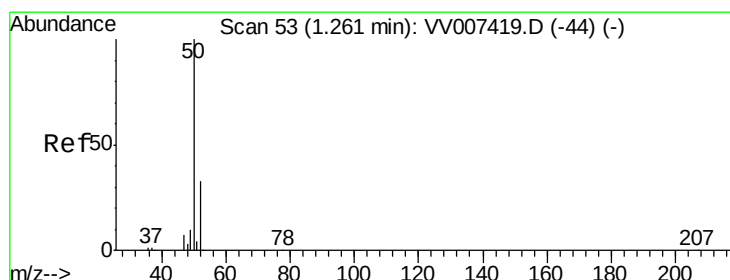
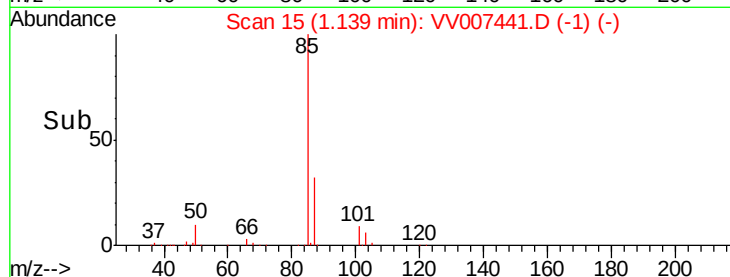
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 55.209 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV007441.D

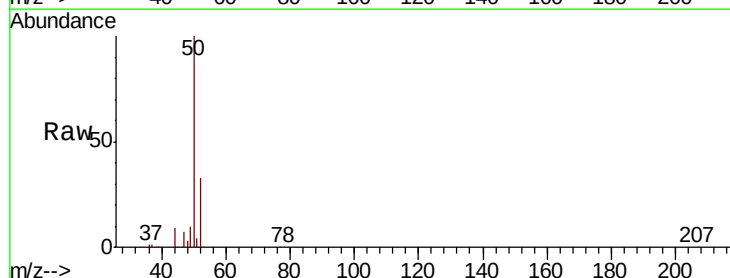
Acq: 07 Sep 2018 00:32

Tgt Ion: 50 Resp: 232120

Ion Ratio Lower Upper

50 100

52 33.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV007441.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV007441.D (-44) (-)

1.26

200000

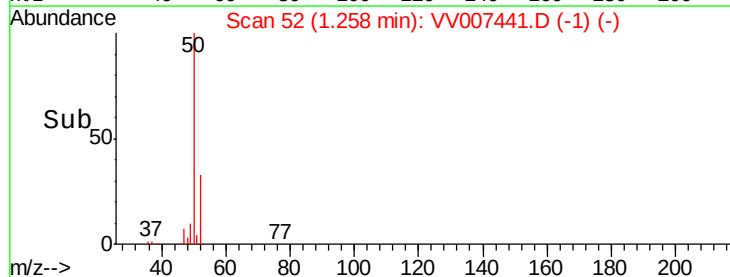
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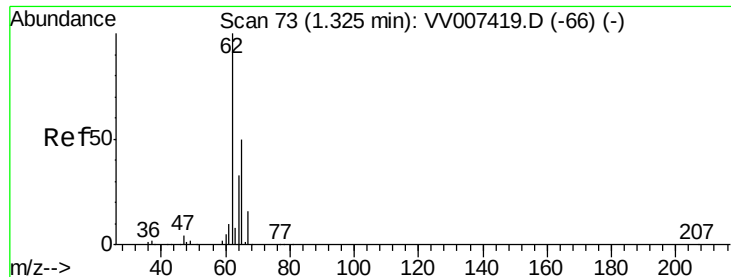
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 50.019 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

Instrument :

MSVOA_V

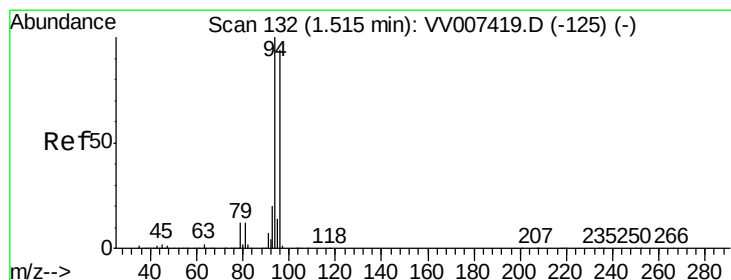
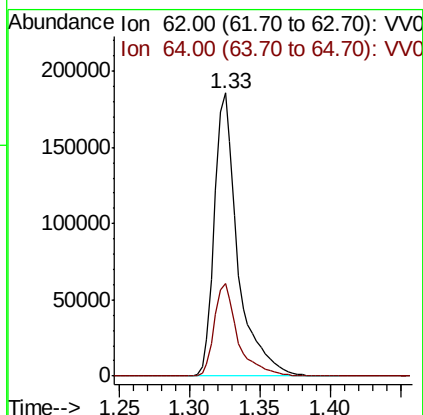
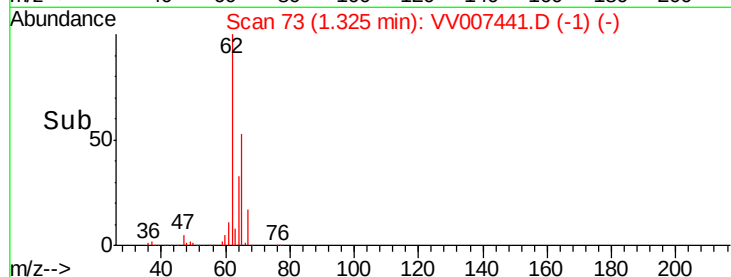
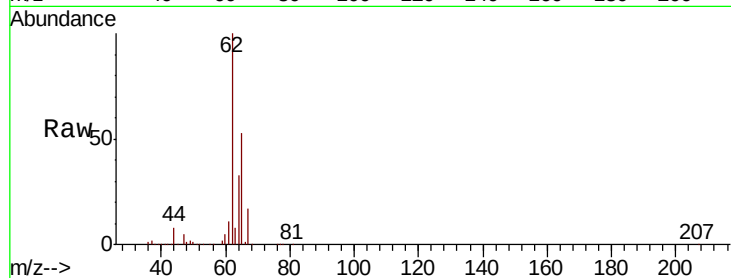
ClientSampleId :

Tot Ion: 62 Resp: 213217

Ion Ratio Lower Upper

62 100

64 32.7 23.2 43.2



#6

Bromomethane

Concen: 40.524 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV007441.D

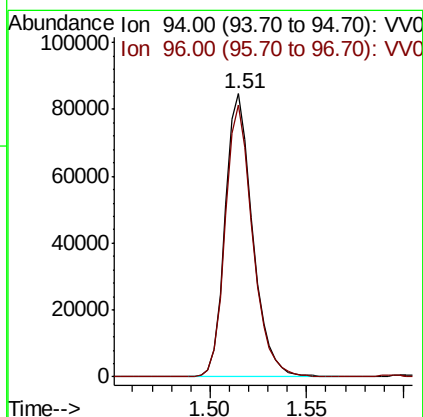
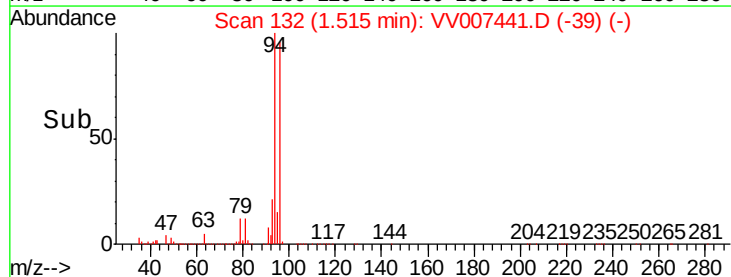
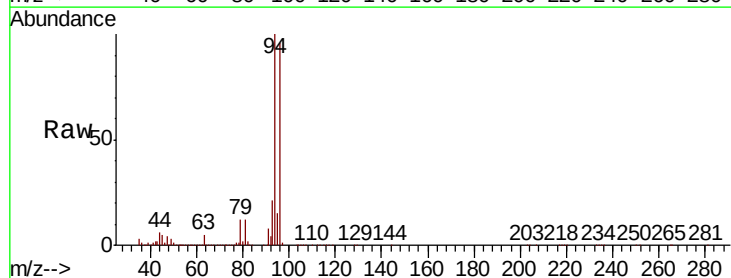
Acq: 07 Sep 2018 00:32

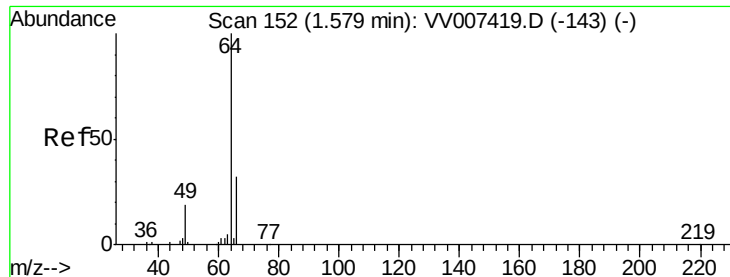
Tgt Ion: 94 Resp: 83237

Ion Ratio Lower Upper

94 100

96 95.9 65.9 122.5





#8

Chloroethane

Concen: 54.599 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

Instrument :

MSVOA_V

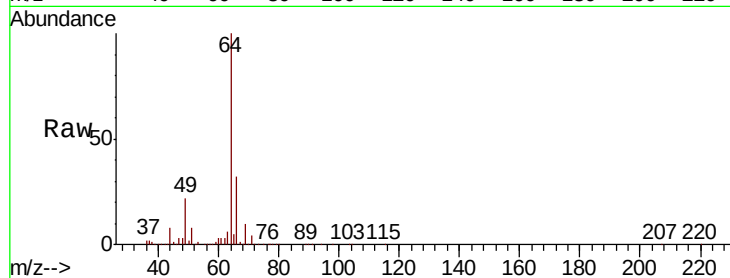
ClientSampled :

Tot Ion: 64 Resp: 119430

Ion Ratio Lower Upper

64 100

66 31.5 22.6 42.0

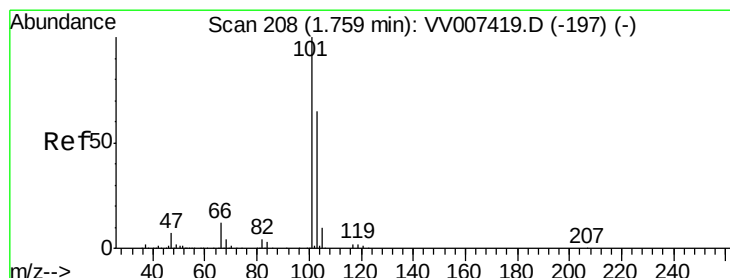
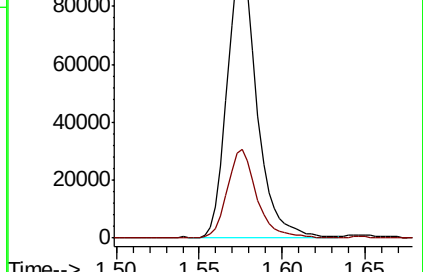
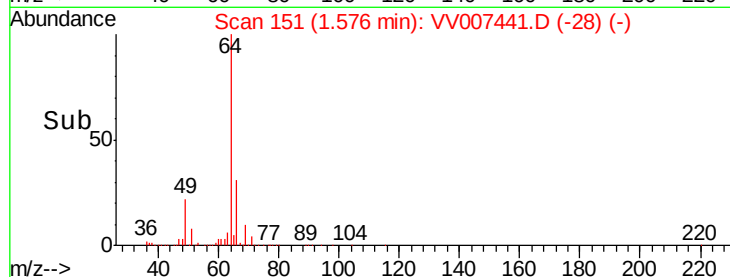


Abundance Ion 64.00 (63.70 to 64.70): VV007419.D (-143) (-)

Ion 66.00 (65.70 to 66.70): VV007419.D (-143) (-)

1.58

Time-->



#9

Trichlorofluoromethane

Concen: 49.179 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV007441.D

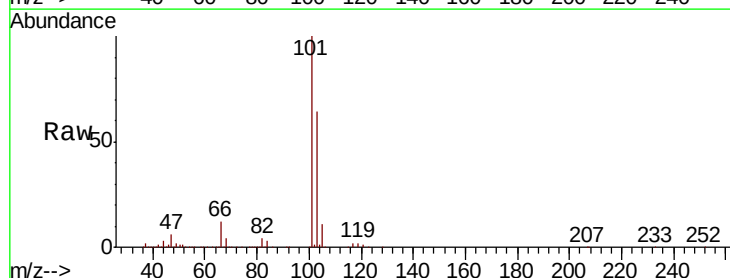
Acq: 07 Sep 2018 00:32

Tgt Ion: 101 Resp: 265369

Ion Ratio Lower Upper

101 100

103 64.6 51.8 77.8

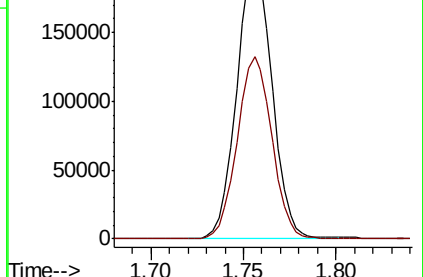
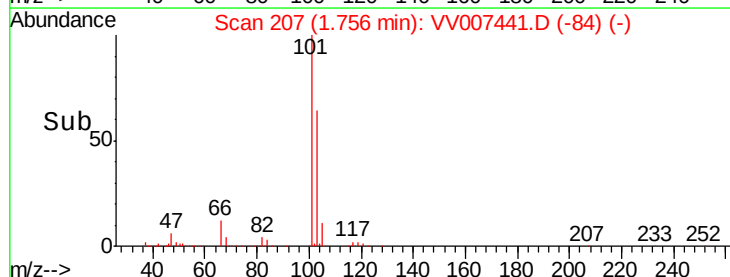


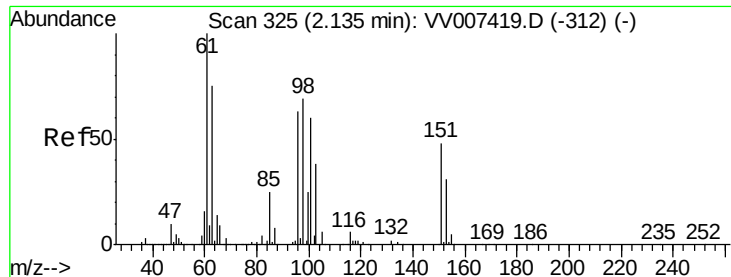
Abundance Ion 101.00 (100.70 to 101.70): VV007419.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV007419.D (-197) (-)

1.76

Time-->





#10

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

Concen: 48.106 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

Instrument :

MSVOA_V

ClientSampleId :

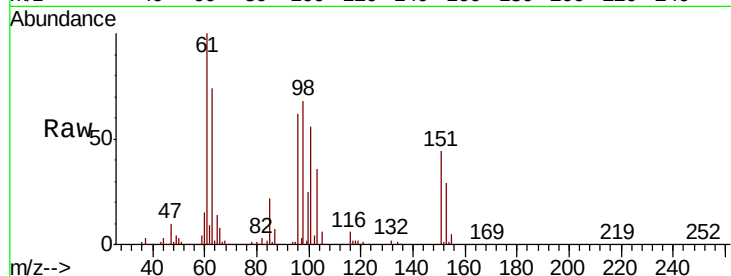
Tot Ion:101 Resp: 161166

Ion Ratio Lower Upper

101 100

85 40.6 32.7 49.1

151 79.8 64.5 96.7



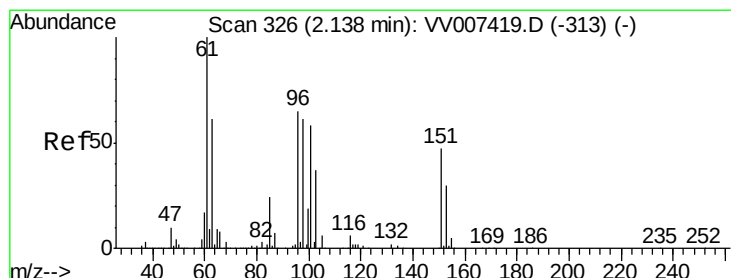
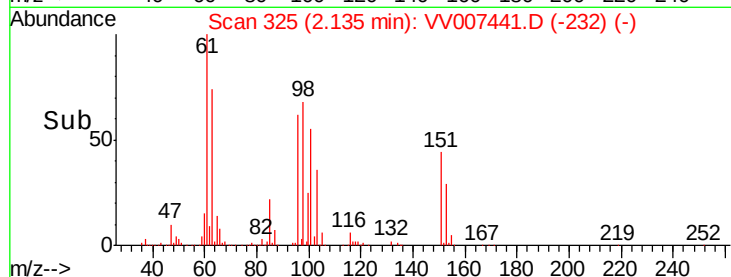
Abundance Ion 101.00 (100.70 to 101.70): VV007441.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV007441.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV007441.D (-312) (-)

2.14

Time-->



#12

1,1-Dichloroethene

Concen: 48.582 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

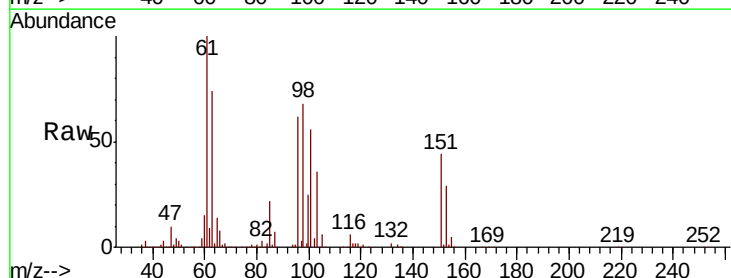
Tgt Ion: 96 Resp: 153441

Ion Ratio Lower Upper

96 100

61 160.3 108.6 201.8

63 118.8 81.5 151.3



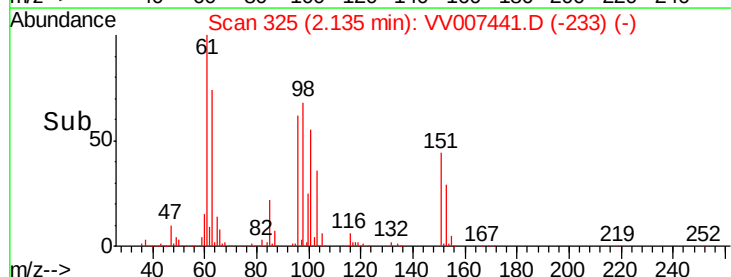
Abundance Ion 96.00 (95.70 to 96.70): VV007441.D (-313) (-)

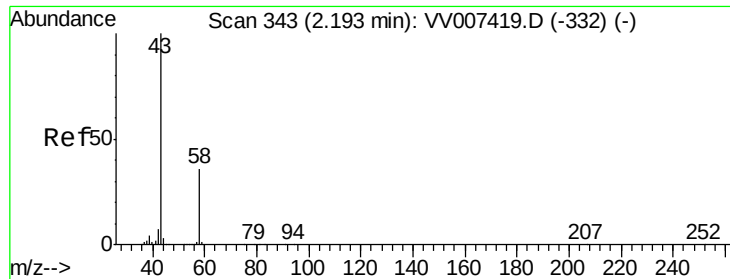
Ion 61.00 (60.70 to 61.70): VV007441.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV007441.D (-313) (-)

2.14

Time-->





#13

Acetone

Concen: 90.986 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

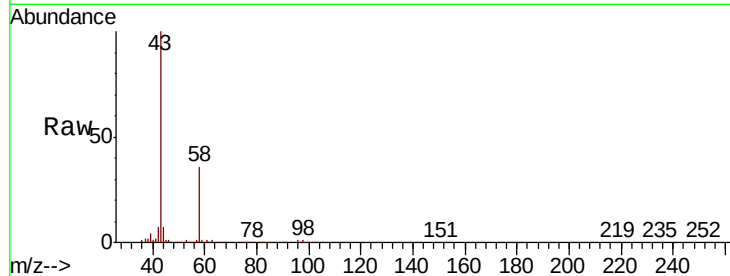
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 157206

Ion Ratio Lower Upper

43 100

58 36.5 0.0 71.2



Abundance Ion 43.00 (42.70 to 43.70): VV007441.D (-344) (-)

Ion 58.00 (57.70 to 58.70): VV007441.D (-344) (-)

2.20

120000

100000

80000

60000

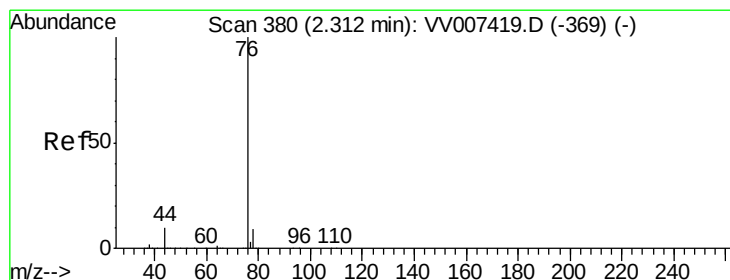
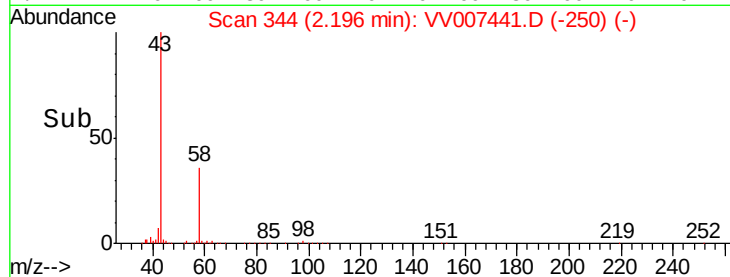
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 46.944 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV007441.D

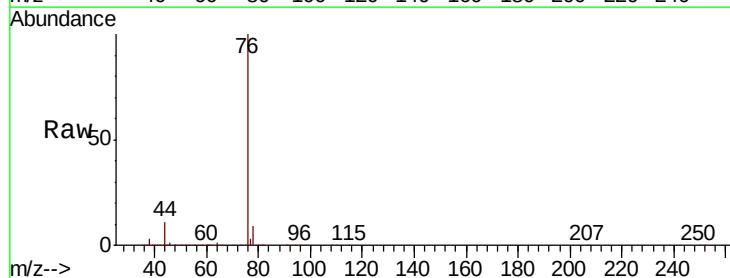
Acq: 07 Sep 2018 00:32

Tgt Ion: 76 Resp: 420116

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV007441.D (-380) (-)

Ion 78.00 (77.70 to 78.70): VV007441.D (-380) (-)

2.31

300000

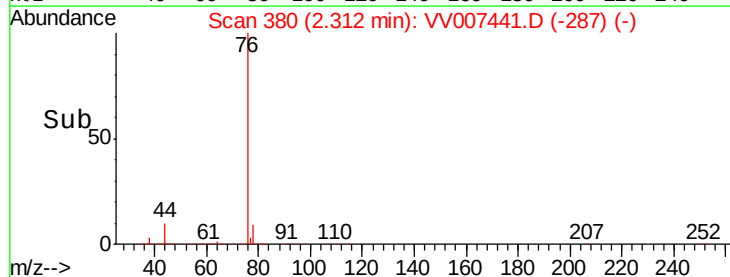
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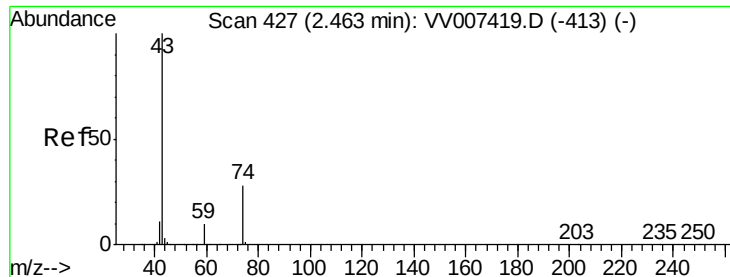
100000

0

Time-->

2.25 2.30 2.35 2.40

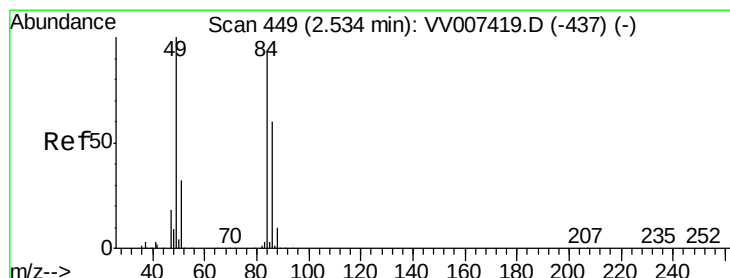
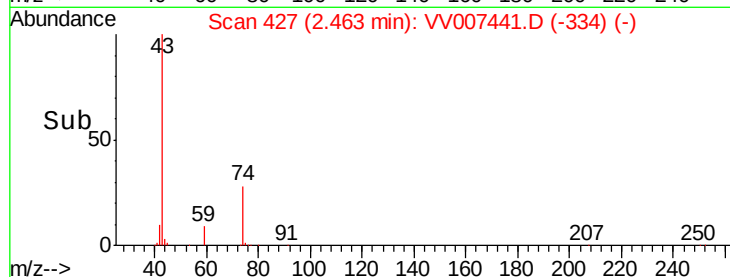
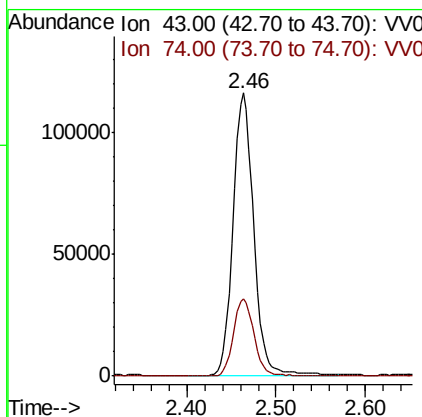
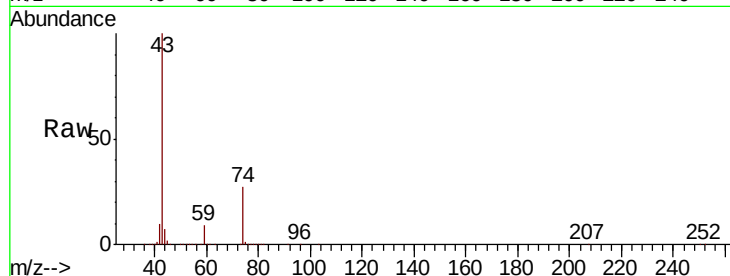




#15
Methvl Acetate
Concen: 49.195 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV007441.D
Acq: 07 Sep 2018 00:32

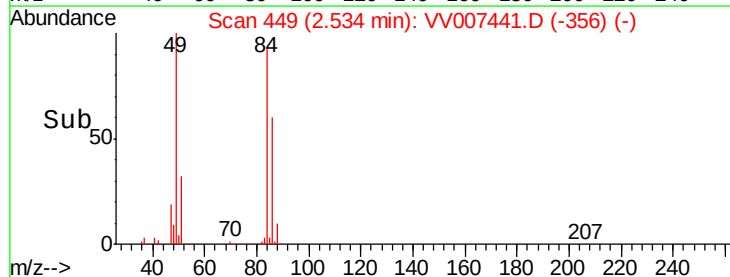
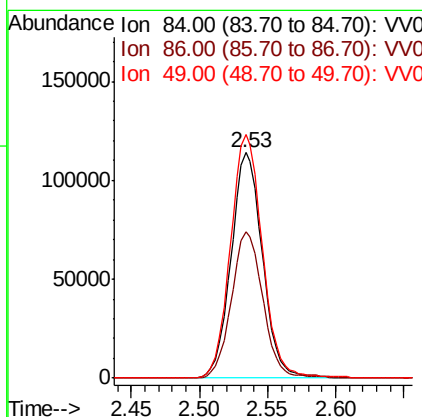
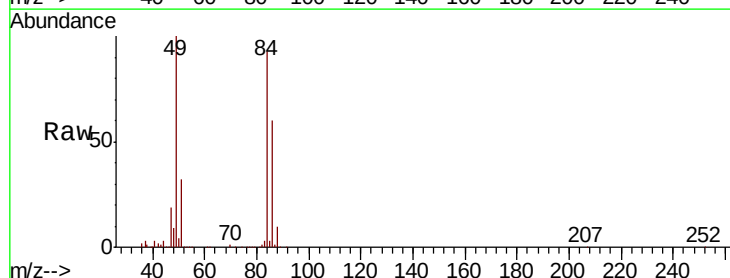
Instrument :
MSVOA_V
ClientSampleId :

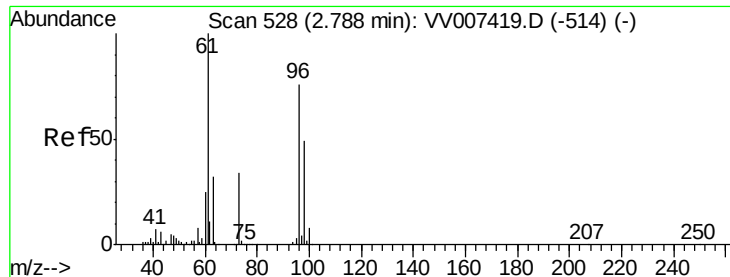
Tot Ion: 43 Resp: 185158
Ion Ratio Lower Upper
43 100
74 27.2 21.5 32.3



#16
Methylene chloride
Concen: 48.520 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV007441.D
Acq: 07 Sep 2018 00:32

Tgt Ion: 84 Resp: 182232
Ion Ratio Lower Upper
84 100
86 64.8 45.3 84.1
49 108.0 75.6 140.4





#17

trans-1,2-Dichloroethene

Concen: 48.472 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

Instrument :
MSVOA_V
ClientSampleId :

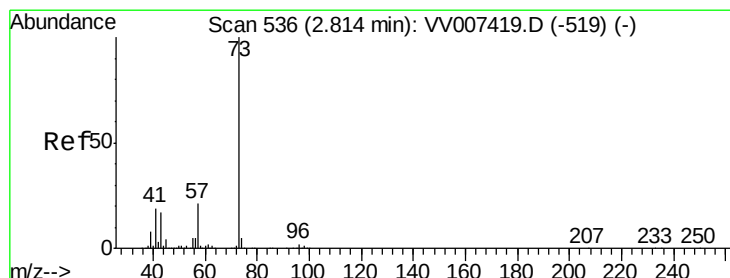
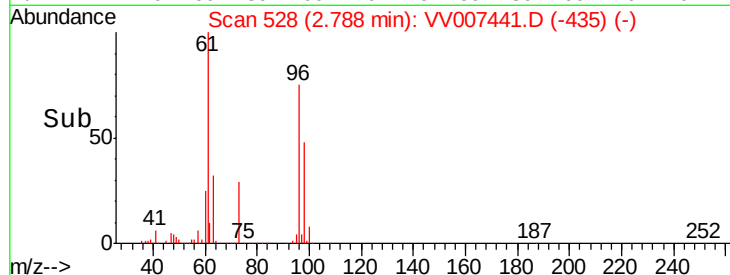
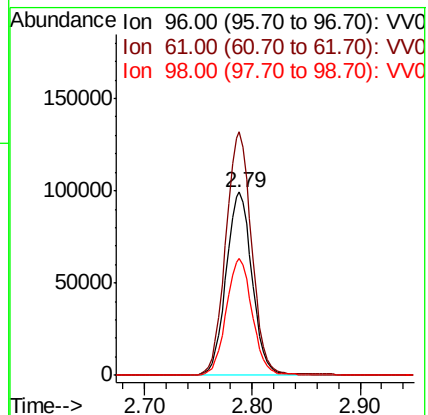
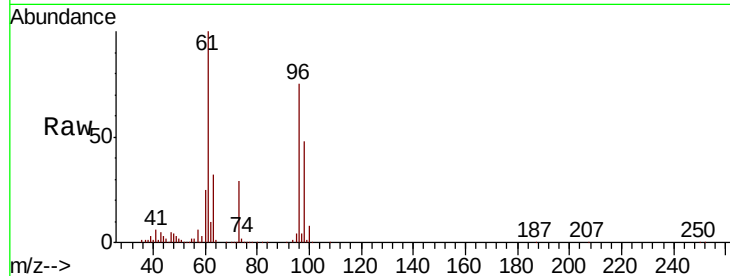
Tot Ion: 96 Resp: 167008

Ion Ratio Lower Upper

96 100

61 132.8 93.1 172.9

98 63.7 44.9 83.5



#18

Methyl tert-butyl Ether

Concen: 50.542 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

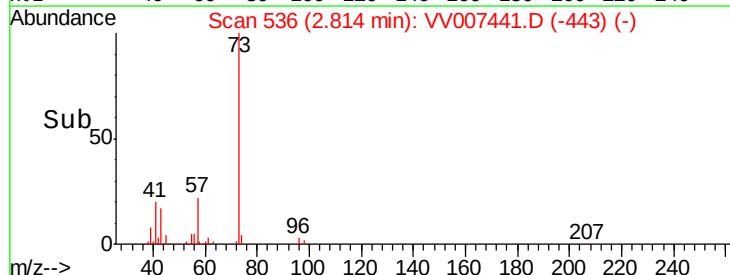
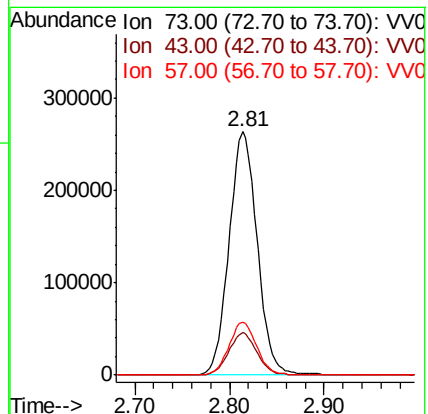
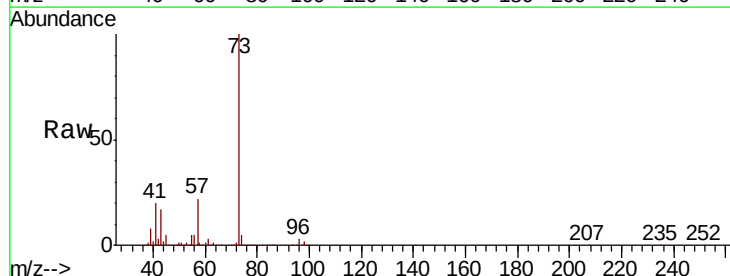
Tgt Ion: 73 Resp: 545378

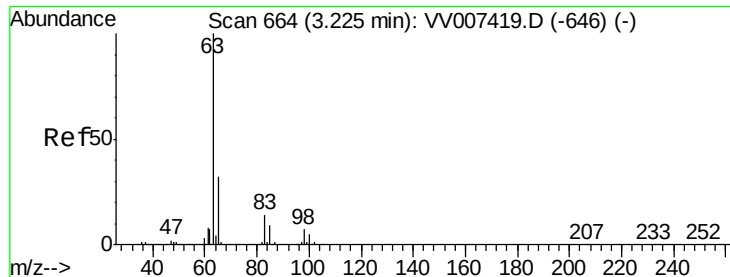
Ion Ratio Lower Upper

73 100

43 17.3 13.4 20.2

57 21.6 17.0 25.4





#19

1,1-Dichloroethane

Concen: 44.578 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

Instrument :

MSVOA_V

ClientSampleId :

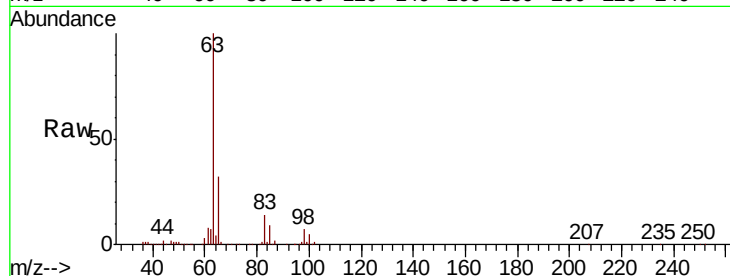
Tot Ion: 63 Resp: 318100

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.9

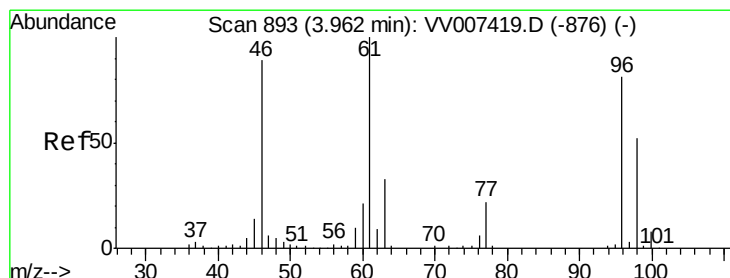
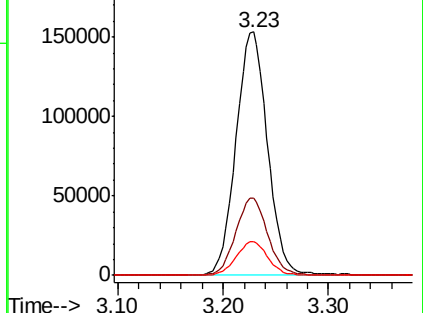
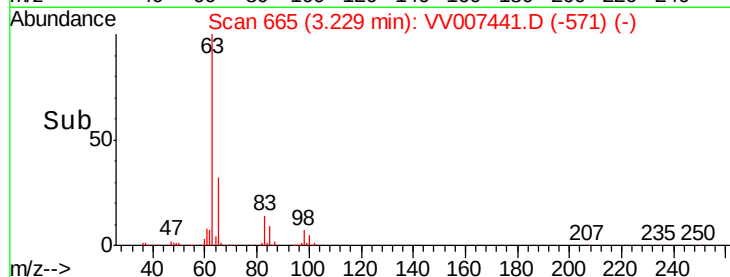
83 13.9 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 49.565 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

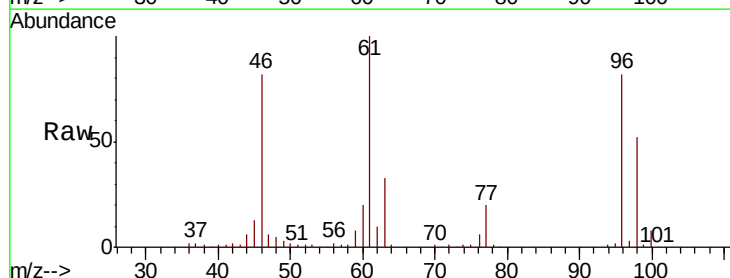
Tgt Ion: 96 Resp: 196516

Ion Ratio Lower Upper

96 100

61 122.1 86.8 161.2

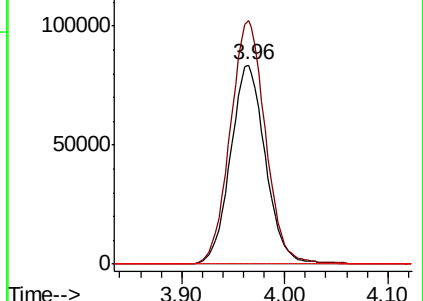
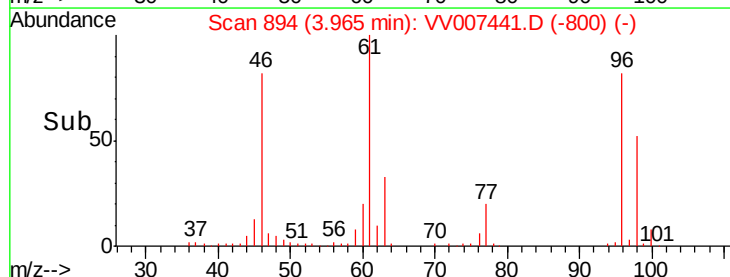
68 0.0 0.0 0.0

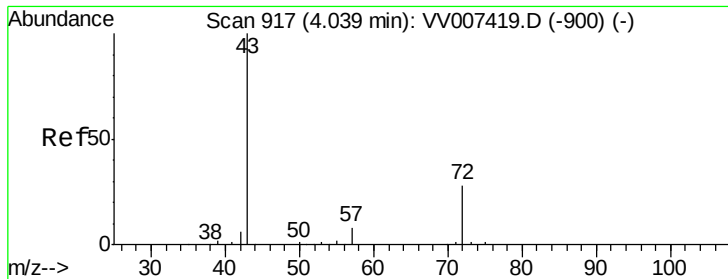


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 99.806 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

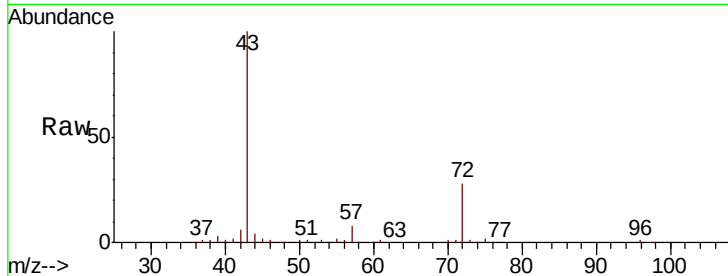
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 288814

Ion Ratio Lower Upper

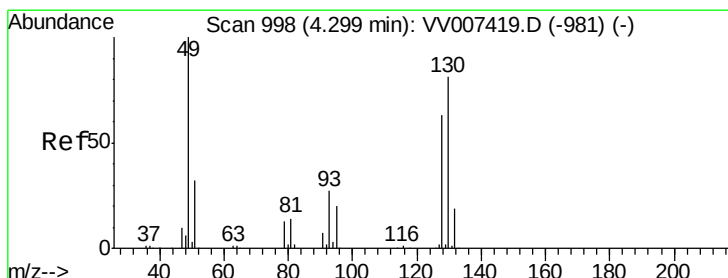
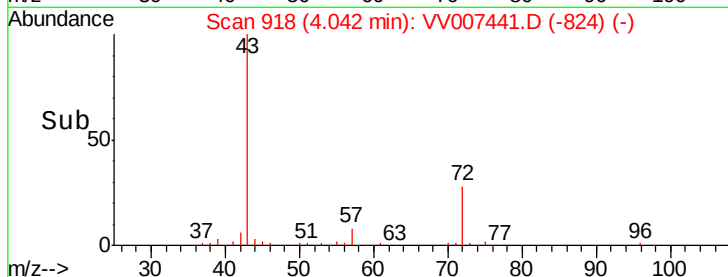
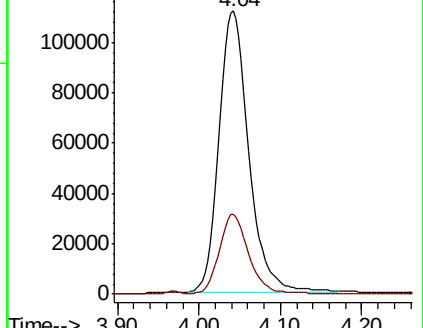
43 100

72 27.5 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VV007441.D (-900) (-)

Ion 72.00 (71.70 to 72.70): VV007441.D (-900) (-)



#23

Bromochloromethane

Concen: 49.608 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

Tgt Ion:128 Resp: 102910

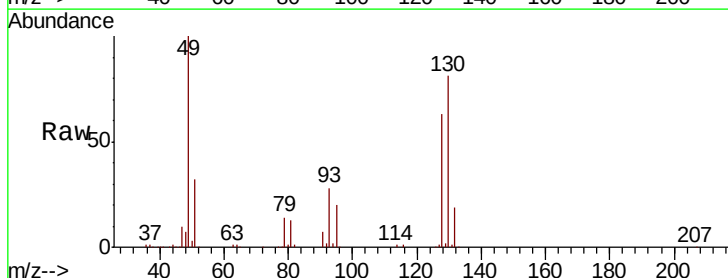
Ion Ratio Lower Upper

128 100

49 159.5 111.2 206.4

130 129.0 89.1 165.5

51 50.6 40.1 60.1

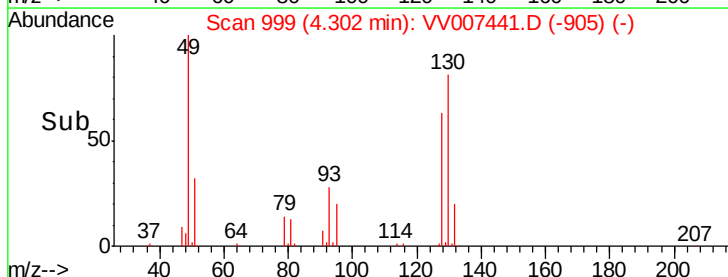
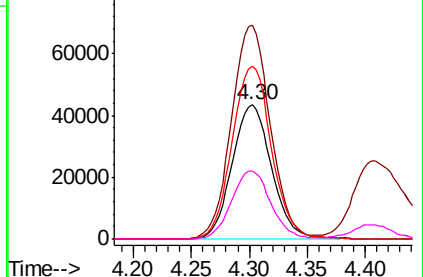


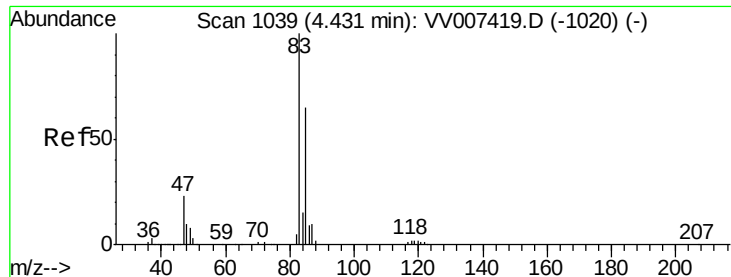
Abundance Ion 128.00 (127.70 to 128.70): VV007441.D (-905) (-)

Ion 49.00 (48.70 to 49.70): VV007441.D (-905) (-)

Ion 130.00 (129.70 to 130.70): VV007441.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VV007441.D (-905) (-)

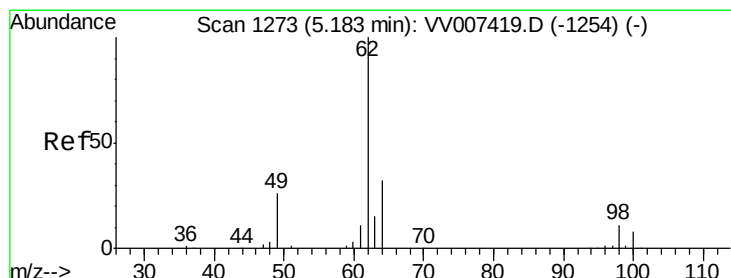
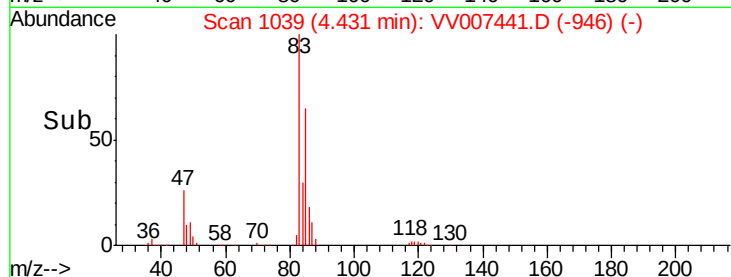
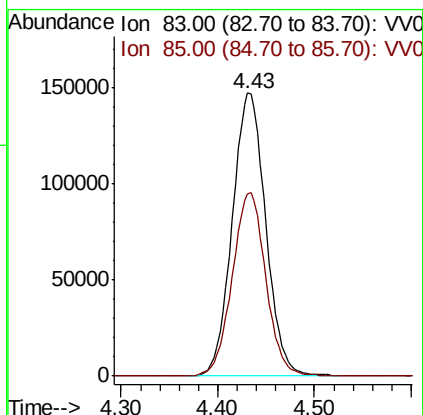
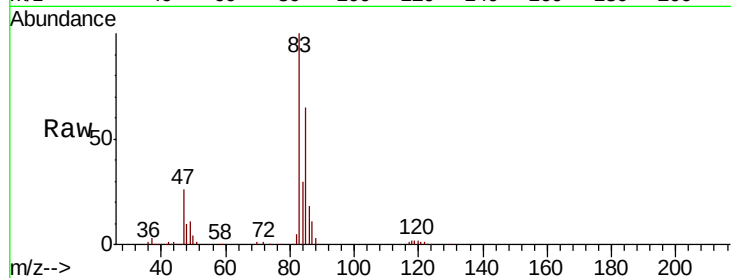




#25
Chloroform
Concen: 50.279 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV007441.D
Acq: 07 Sep 2018 00:32

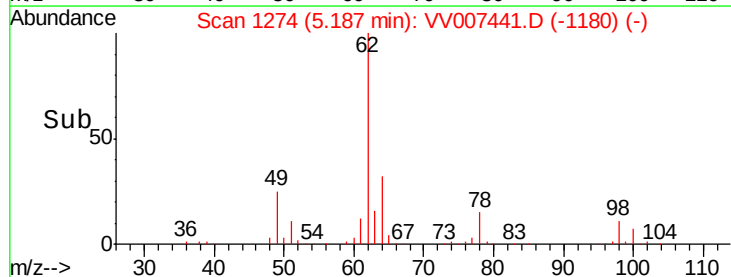
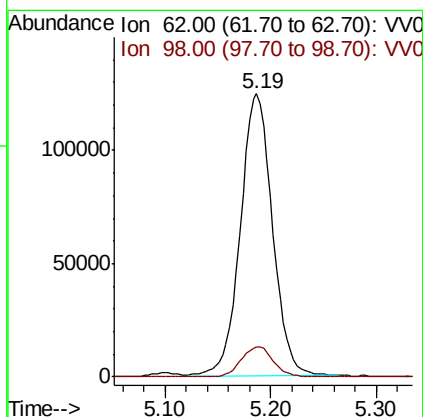
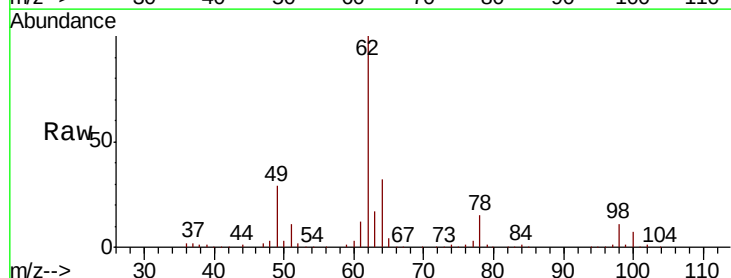
Instrument :
MSVOA_V
ClientSampleId :

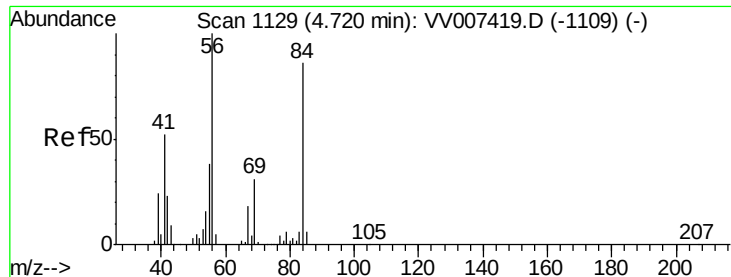
Tot Ion: 83 Resp: 353143
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 50.264 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV007441.D
Acq: 07 Sep 2018 00:32

Tgt Ion: 62 Resp: 264345
Ion Ratio Lower Upper
62 100
98 10.5 8.6 13.0

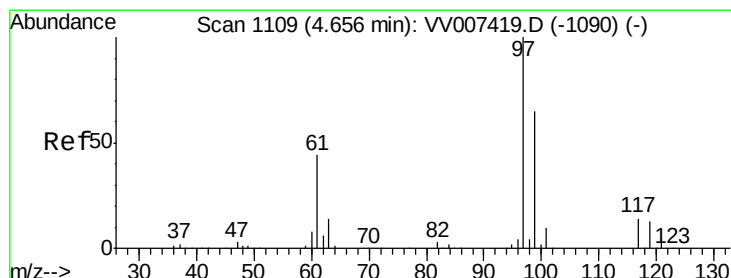
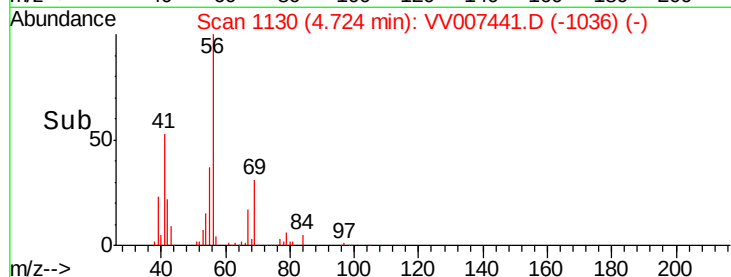
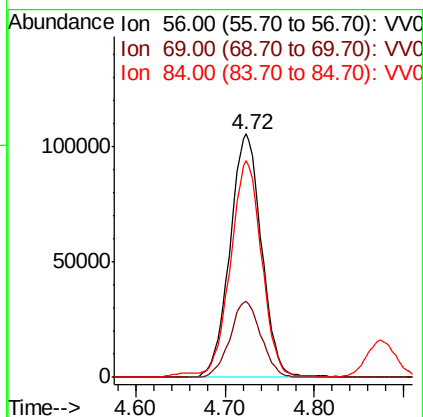
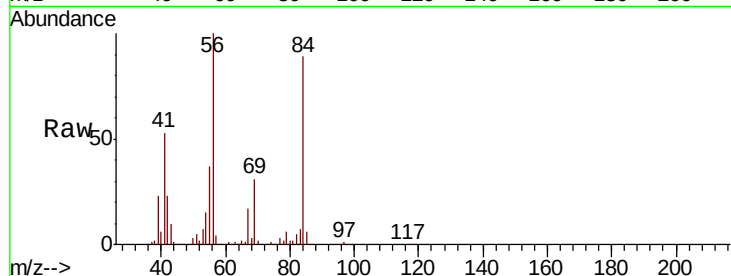




#29
Cyclohexane
Concen: 48.001 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV007441.D
Acq: 07 Sep 2018 00:32

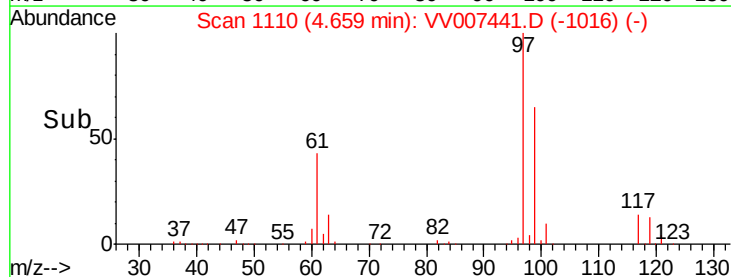
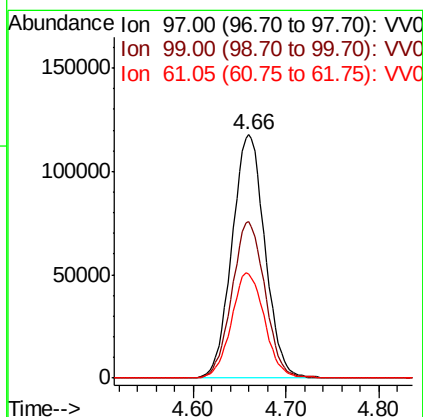
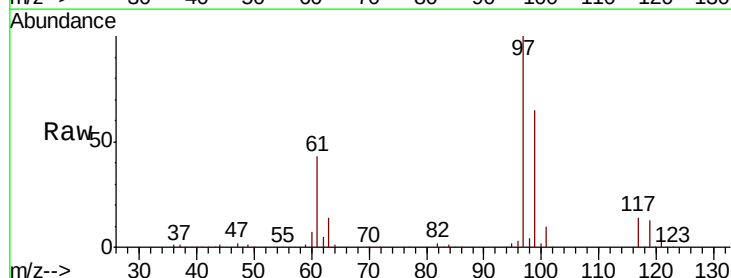
Instrument :
MSVOA_V
ClientSampled :

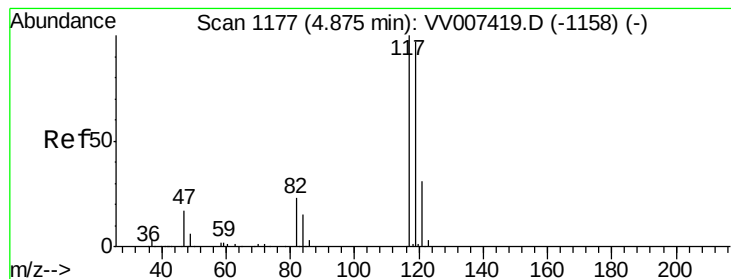
Tot Ion: 56 Resp: 257943
Ion Ratio Lower Upper
56 100
69 30.7 24.5 36.7
84 86.8 70.6 105.8



#30
1,1,1-Trichloroethane
Concen: 49.131 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV007441.D
Acq: 07 Sep 2018 00:32

Tgt Ion: 97 Resp: 290828
Ion Ratio Lower Upper
97 100
99 64.5 52.1 78.1
61 43.4 34.6 51.8





#31

Carbon tetrachloride

Concen: 48.096 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

Instrument :

MSVOA_V

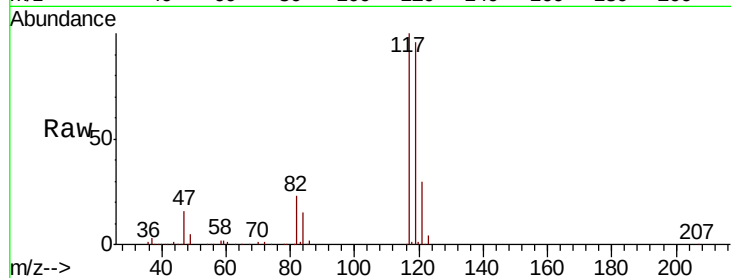
ClientSampleId :

Tot Ion:117 Resp: 246437

Ion Ratio Lower Upper

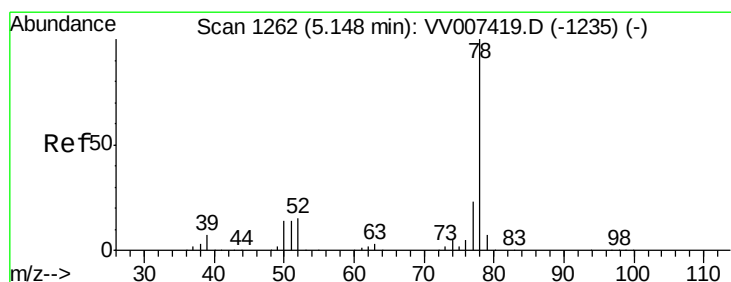
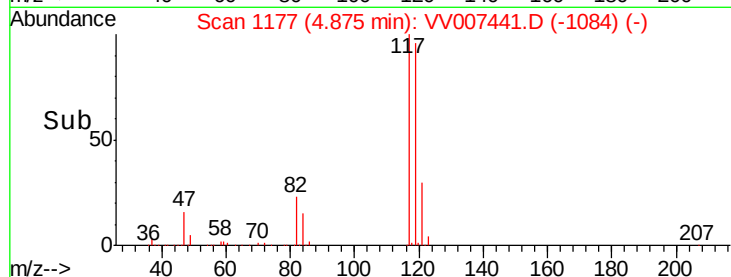
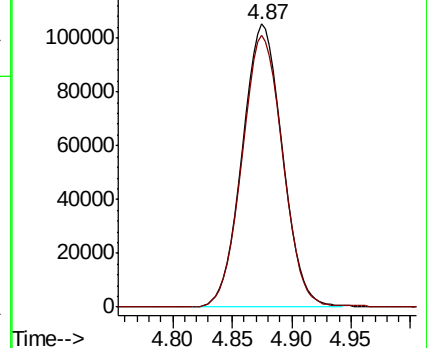
117 100

119 97.1 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.177 ug/L

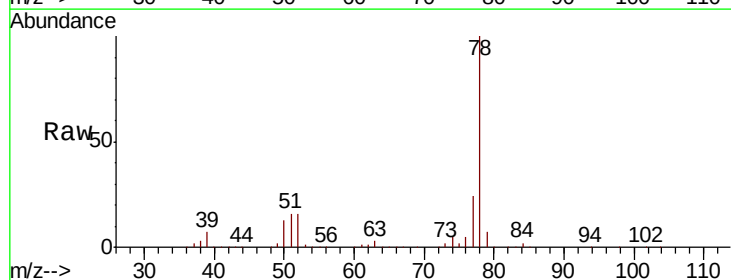
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

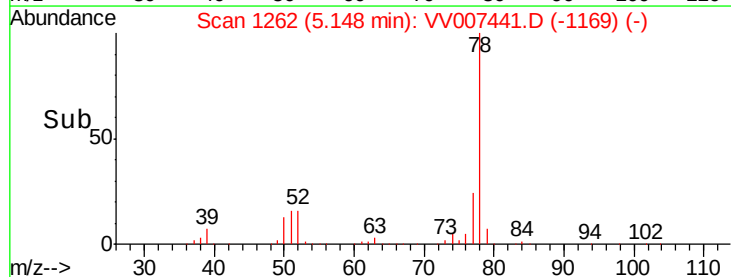
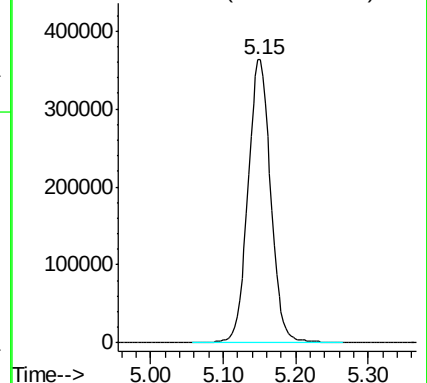
Lab File: VV007441.D

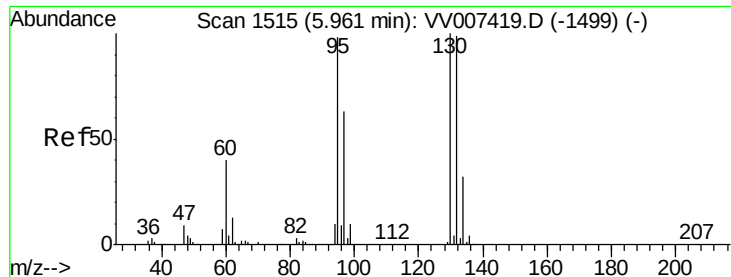
Acq: 07 Sep 2018 00:32

Tgt Ion: 78 Resp: 793454



Abundance Ion 78.00 (77.70 to 78.70): VV0

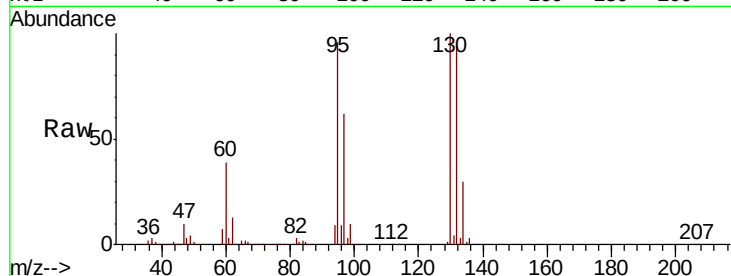




#34
 Trichloroethene
 Concen: 47.438 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV007441.D
 Acq: 07 Sep 2018 00:32

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	95	Resp	179546
Ion	Ratio	Lower	Upper
95	100		
97	64.9	46.1	85.7
132	98.2	70.8	131.6
130	103.9	73.9	137.3



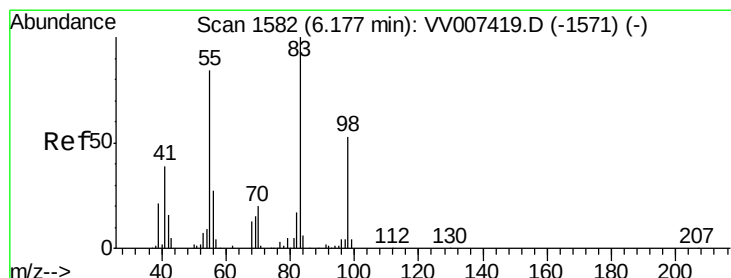
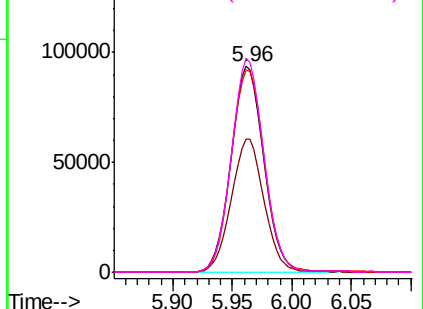
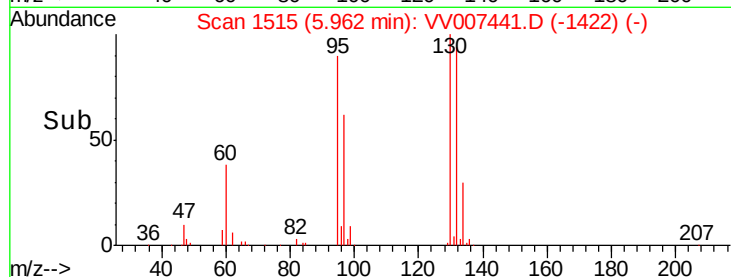
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

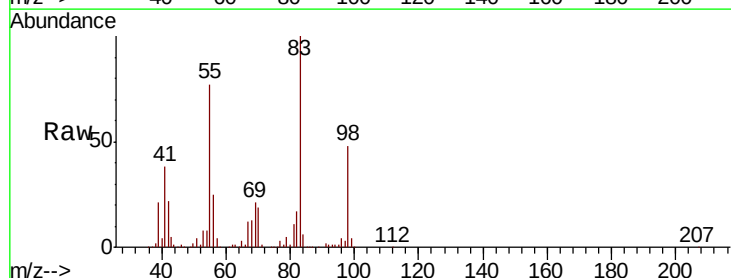
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35
 Methylcyclohexane
 Concen: 47.821 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV007441.D
 Acq: 07 Sep 2018 00:32

Tgt Ion	83	Resp	269900
Ion	Ratio	Lower	Upper
83	100		
55	79.4	63.0	94.4
98	49.5	39.0	58.6

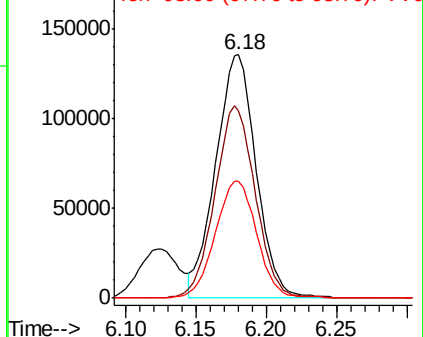
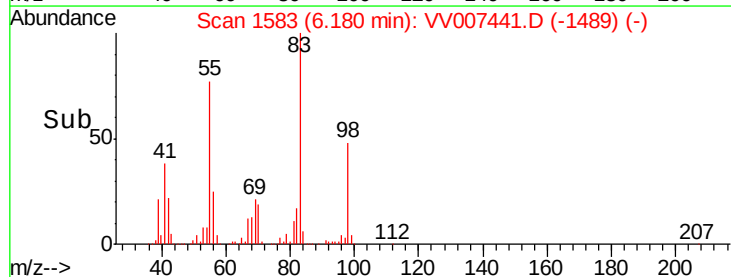


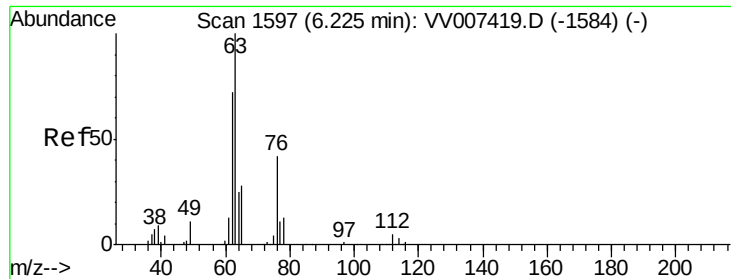
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

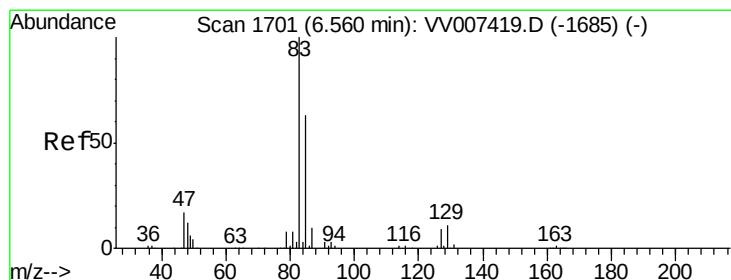
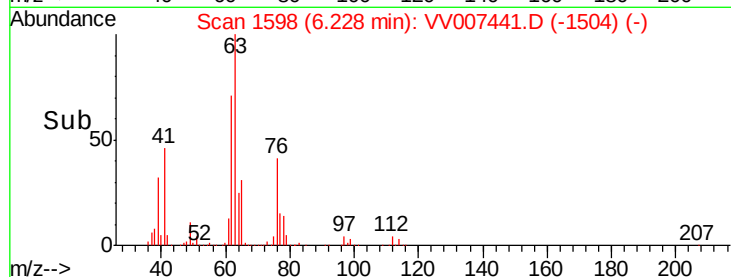
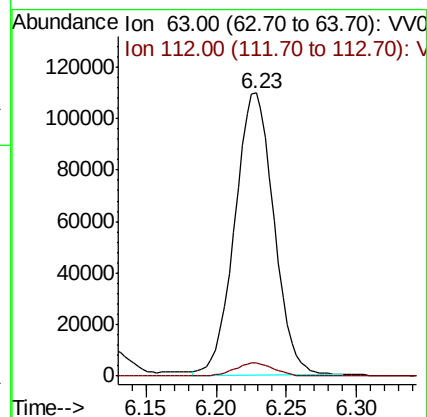
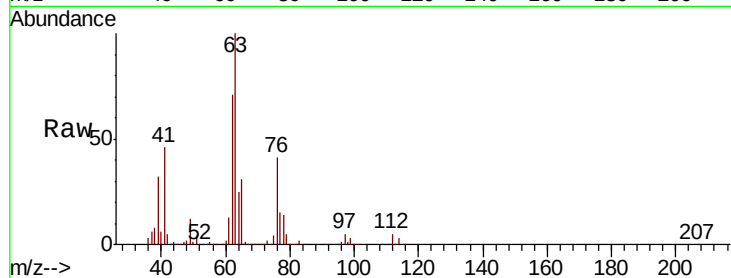




#37
 1,2-Dichloropropane
 Concen: 49.744 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007441.D
 Acq: 07 Sep 2018 00:32

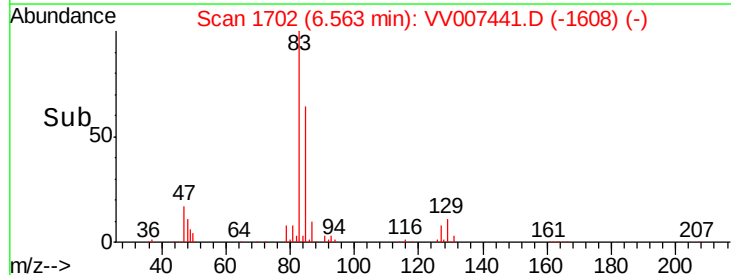
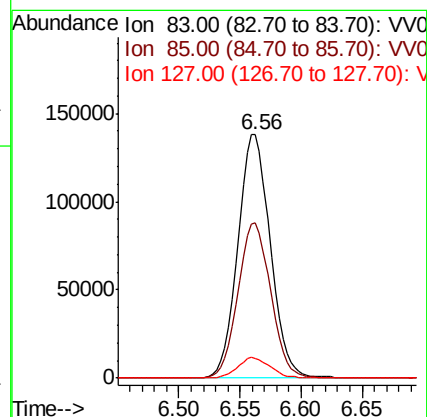
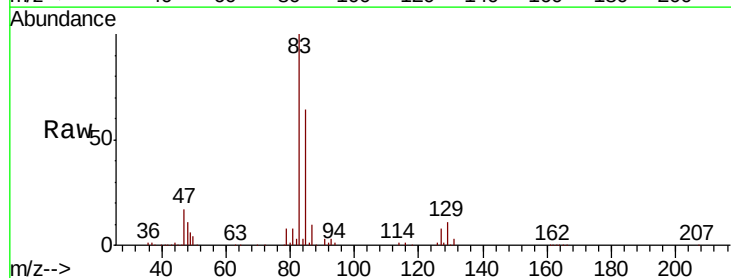
Instrument :
 MSVOA_V
 ClientSampleId :

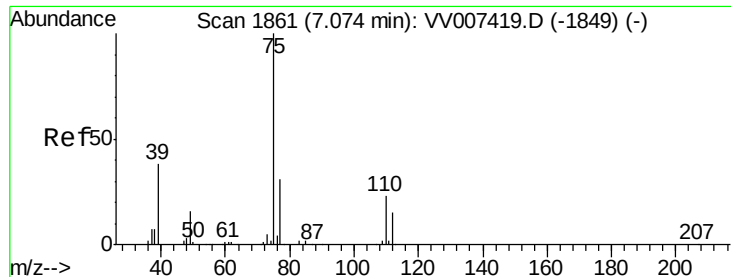
Tot Ion: 63 Resp: 211949
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#38
 Bromodichloromethane
 Concen: 49.083 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007441.D
 Acq: 07 Sep 2018 00:32

Tgt Ion: 83 Resp: 255361
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.1 83.9
 127 8.3 6.9 10.3

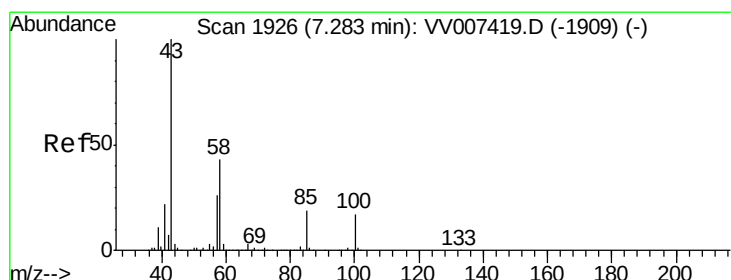
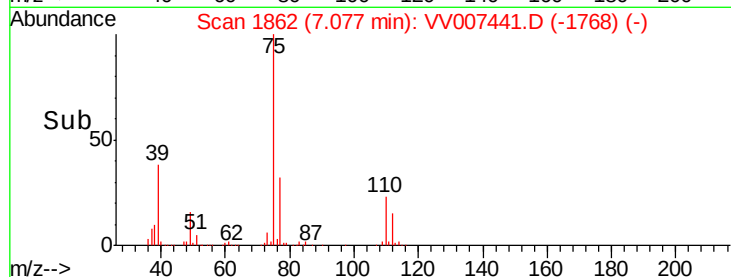
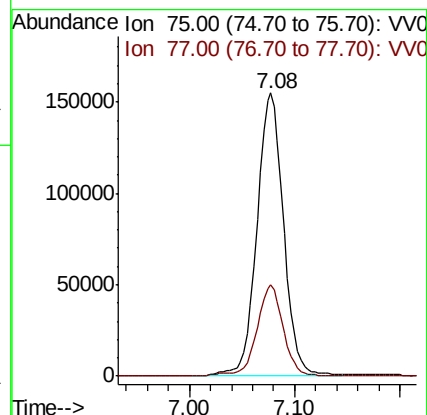
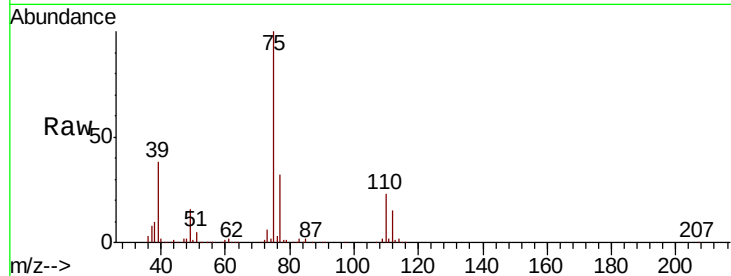




#39
 cis-1,3-Dichloropropene
 Concen: 47.933 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007441.D
 Acq: 07 Sep 2018 00:32

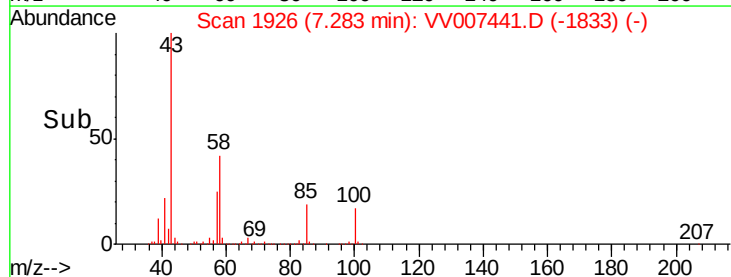
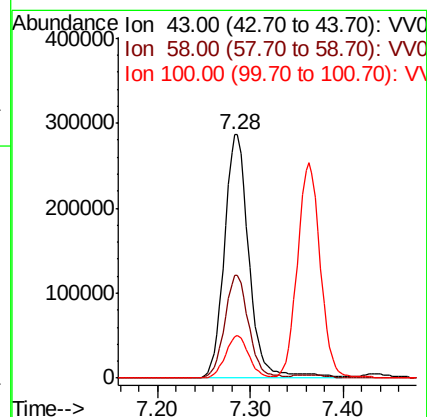
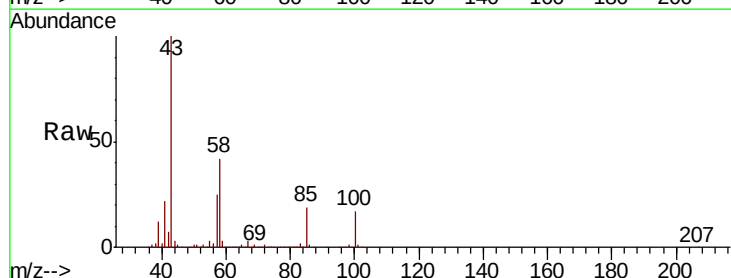
Instrument :
 MSVOA_V
 ClientSampled :

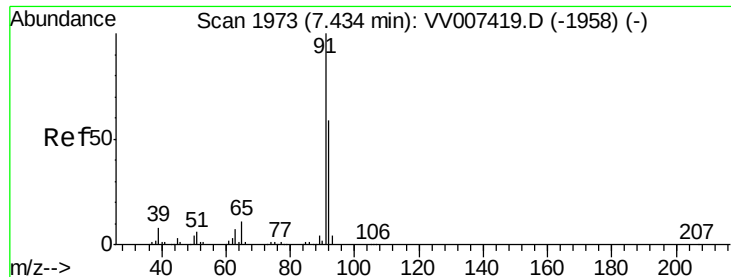
Tot Ion: 75 Resp: 274246
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 107.568 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV007441.D
 Acq: 07 Sep 2018 00:32

Tgt Ion: 43 Resp: 529469
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.9 49.3
 100 16.4 13.3 19.9





#42

Toluene

Concen: 53.637 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

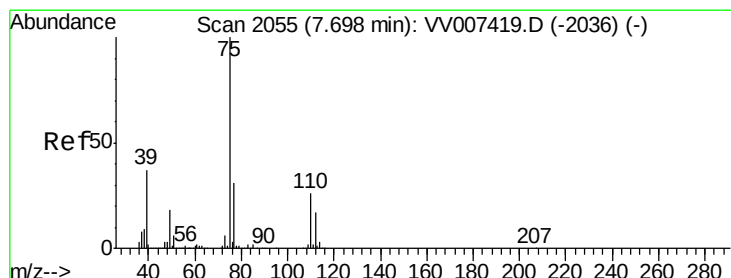
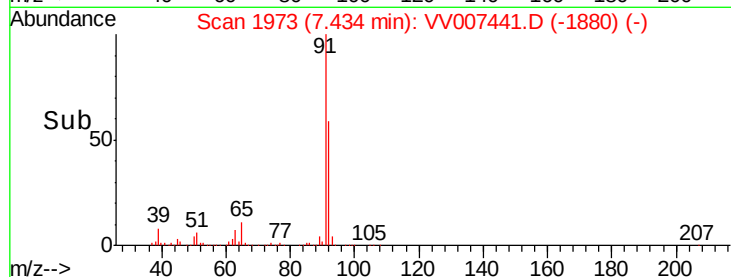
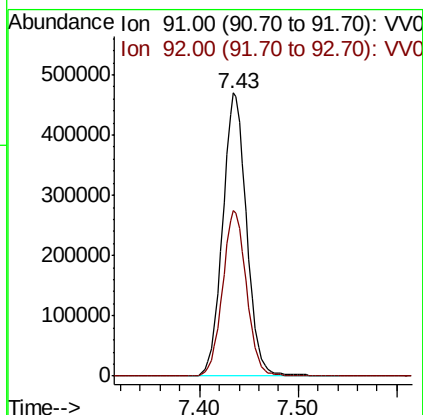
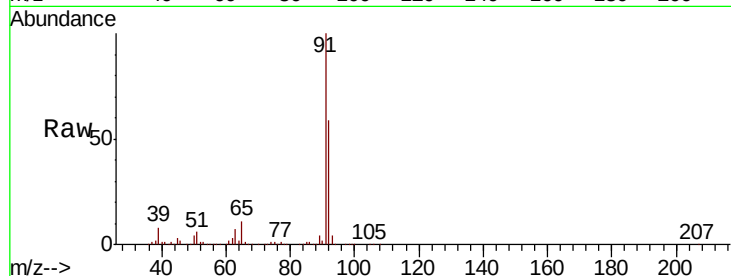
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 799998

Ion Ratio Lower Upper

91 100

92 58.6 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 49.095 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007441.D

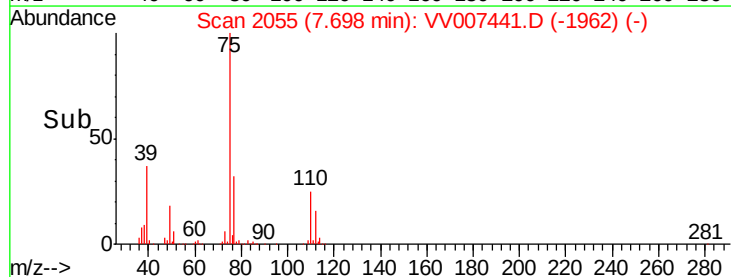
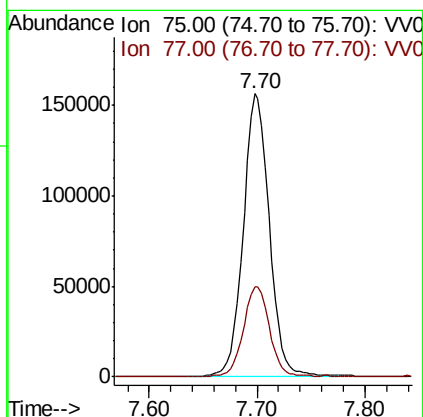
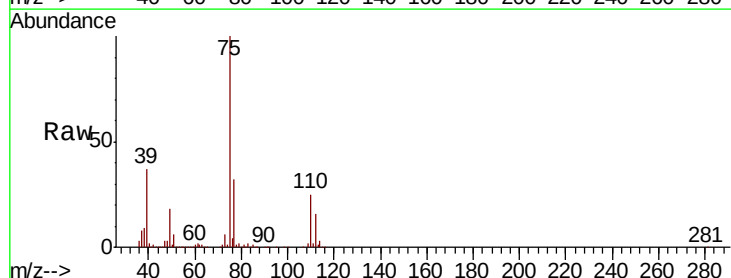
Acq: 07 Sep 2018 00:32

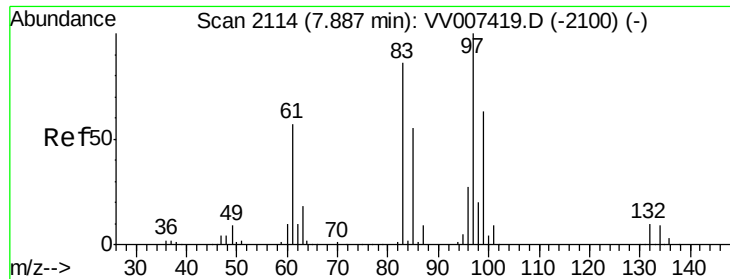
Tgt Ion: 75 Resp: 262653

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.7

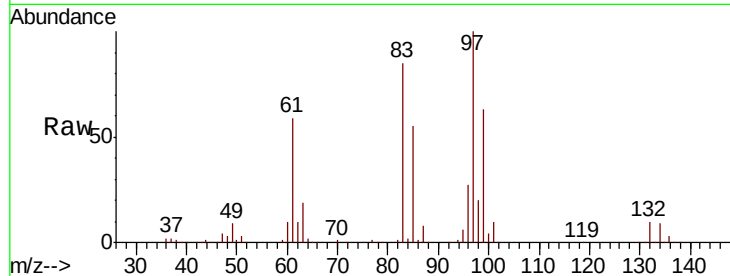




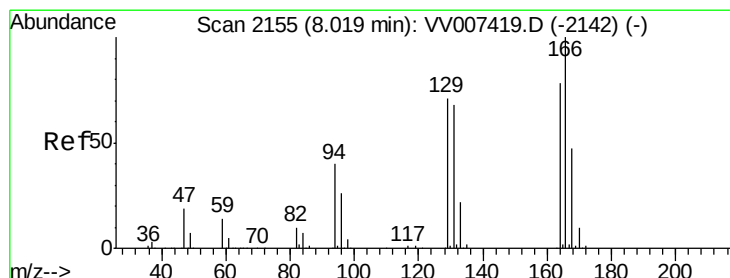
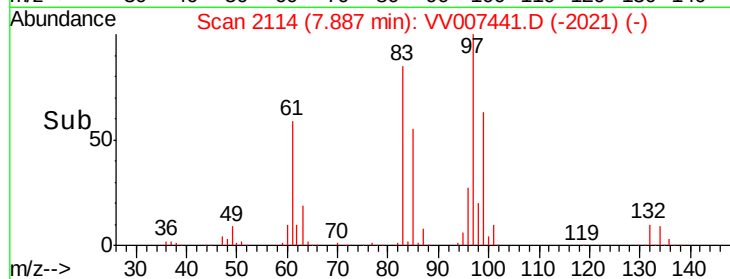
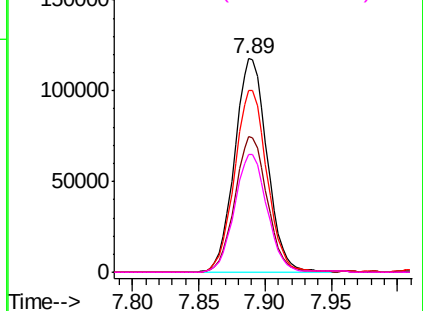
#45
1,1,2-Trichloroethane
Concen: 50.063 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VV007441.D
Acq: 07 Sep 2018 00:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	201326
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.0	81.6
83	85.1	60.1	111.5
85	55.2	38.4	71.2

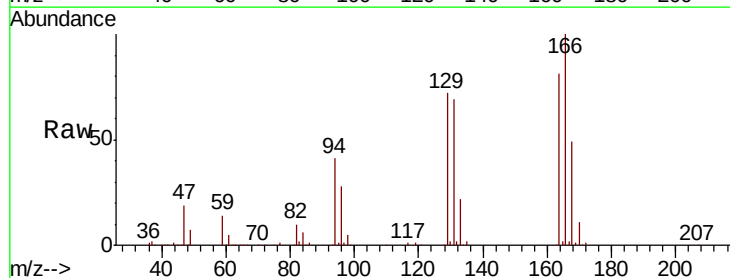


Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

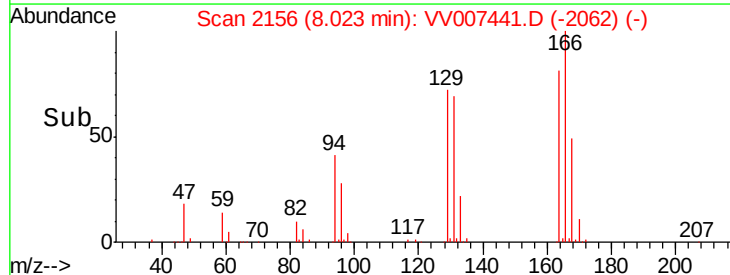
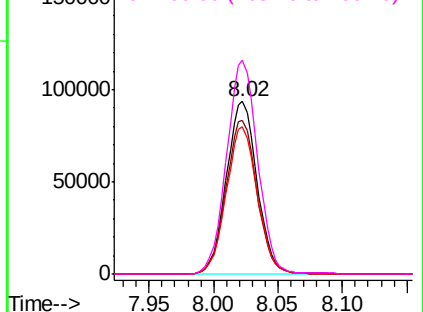


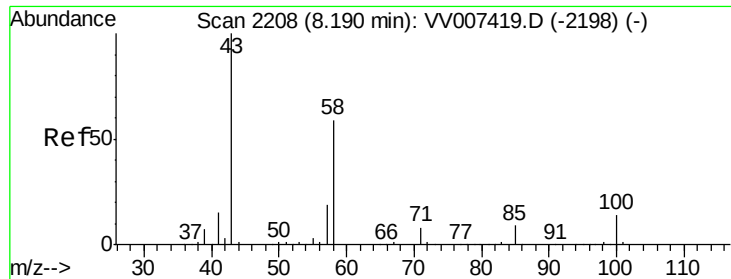
#46
Tetrachloroethene
Concen: 50.876 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV007441.D
Acq: 07 Sep 2018 00:32

Tgt Ion:	164	Resp:	154838
Ion	Ratio	Lower	Upper
164	100		
129	89.3	63.9	118.7
131	85.3	62.6	116.2
166	123.9	91.6	170.2



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

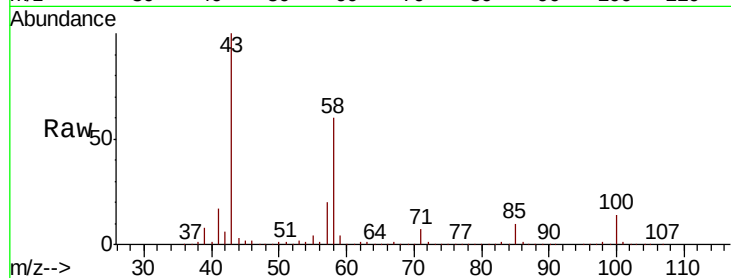




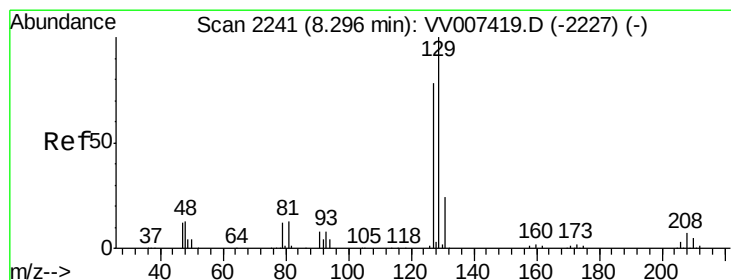
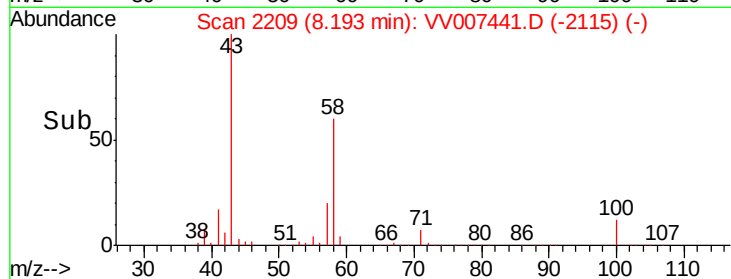
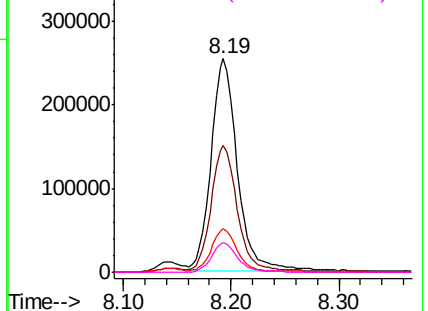
#48
2-Hexanone
Concen: 111.922 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV007441.D
Acq: 07 Sep 2018 00:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 429635
Ion Ratio Lower Upper
43 100
58 59.7 48.6 72.8
57 19.7 16.2 24.2
100 13.5 11.1 16.7

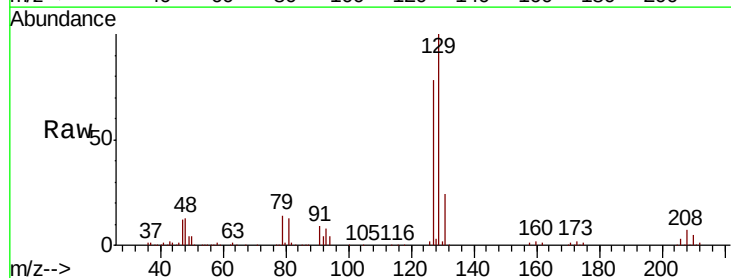


Abundance Ion 43.00 (42.70 to 43.70): VV007441.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VV007441.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VV007441.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VV007441.D (-2198) (-)

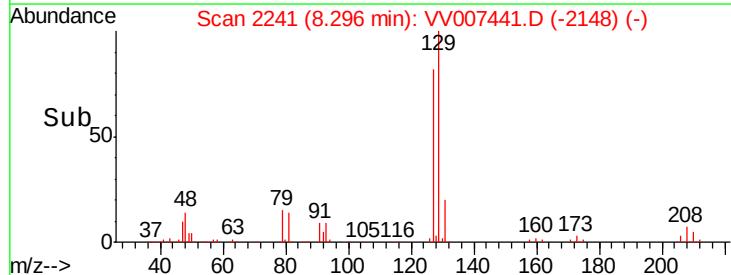
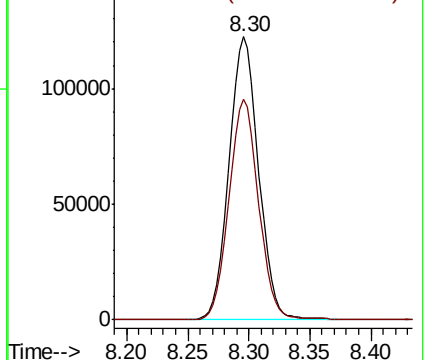


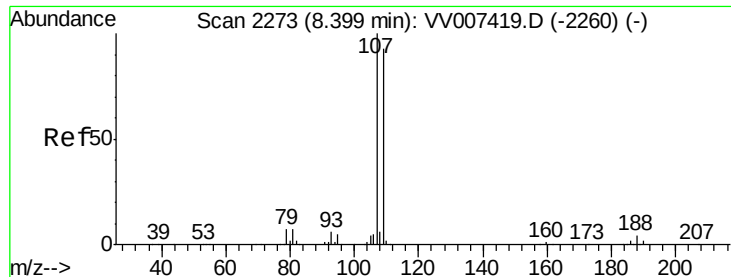
#49
Dibromochloromethane
Concen: 50.274 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007441.D
Acq: 07 Sep 2018 00:32

Tgt Ion: 129 Resp: 207370
Ion Ratio Lower Upper
129 100
127 78.1 54.0 100.4



Abundance Ion 129.00 (128.70 to 129.70): VV007441.D (-2227) (-)
Ion 127.00 (126.70 to 127.70): VV007441.D (-2227) (-)





#50

1,2-Dibromoethane

Concen: 50.638 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

Instrument :

MSVOA_V

ClientSampleId :

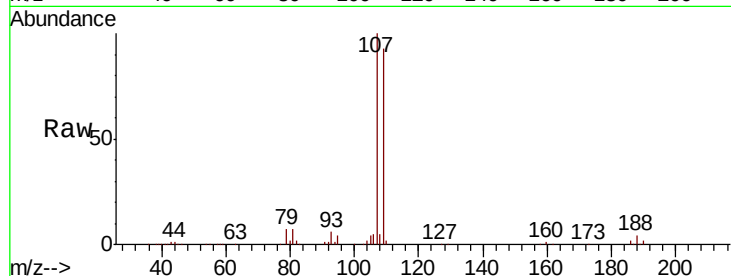
Tot Ion:107 Resp: 198886

Ion Ratio Lower Upper

107 100

109 93.4 64.8 120.3

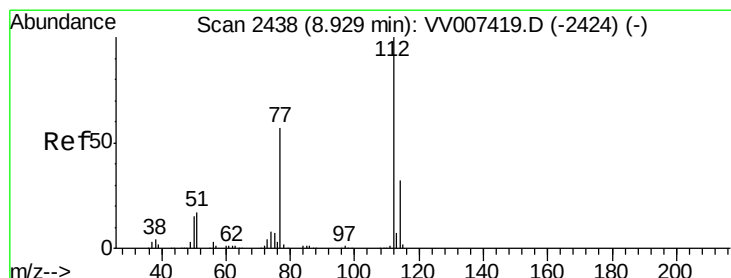
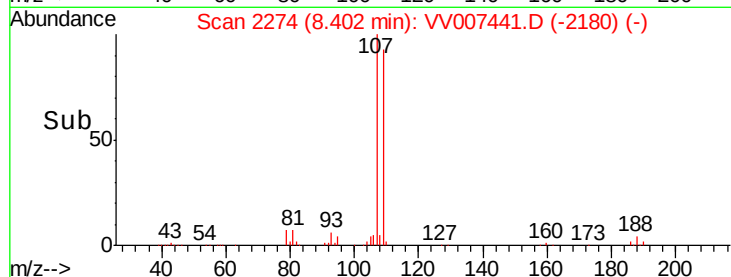
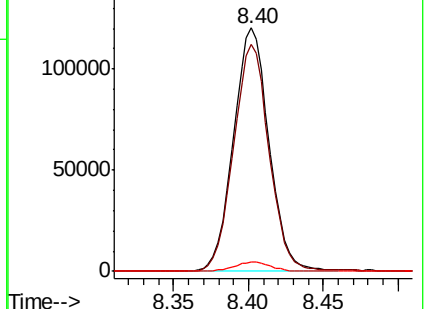
188 3.7 3.1 4.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 51.028 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

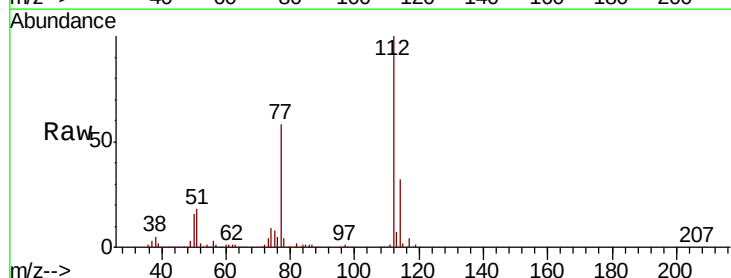
Tgt Ion:112 Resp: 513946

Ion Ratio Lower Upper

112 100

114 31.9 22.5 41.7

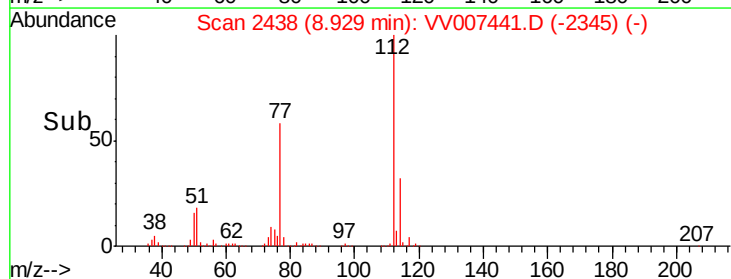
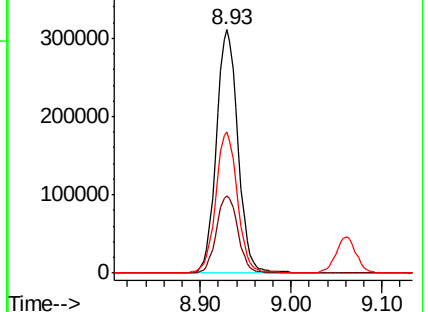
77 58.0 46.5 69.7

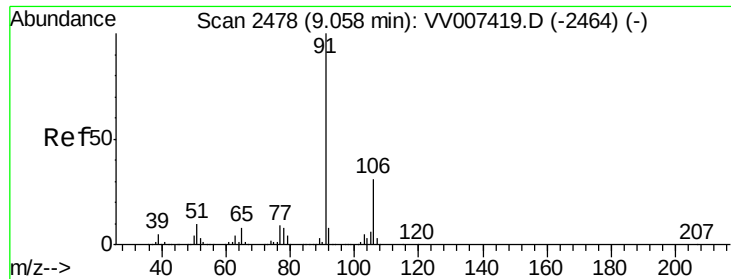


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

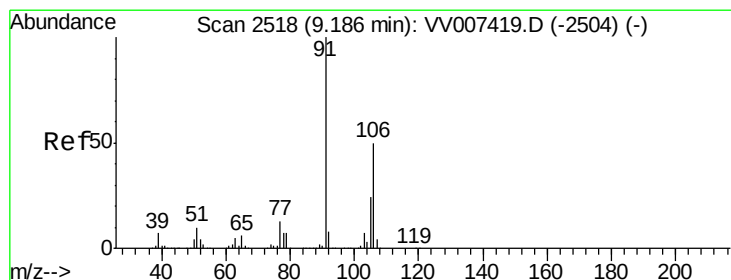
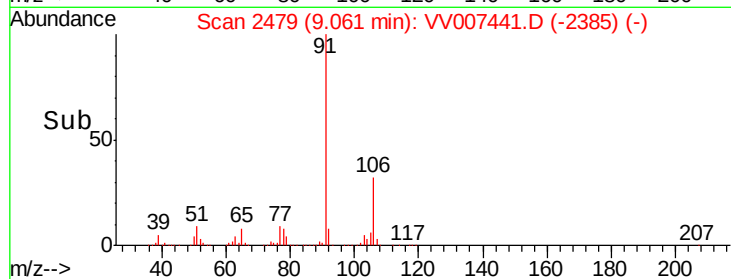
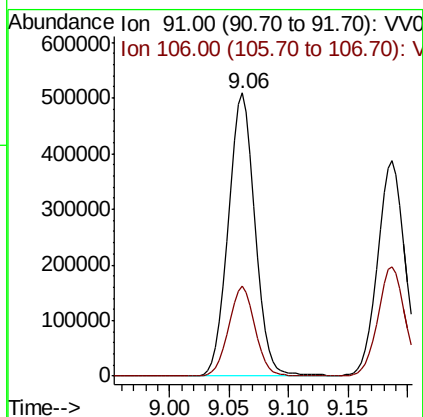
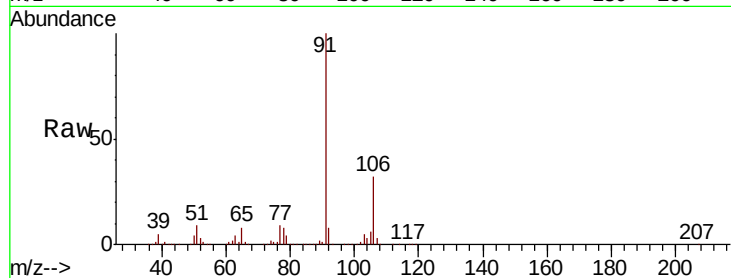




#52
Ethylbenzene
Concen: 52.469 ug/L
RT: 9.06 min Scan# 2479
Delta R.T. 0.00 min
Lab File: VV007441.D
Acq: 07 Sep 2018 00:32

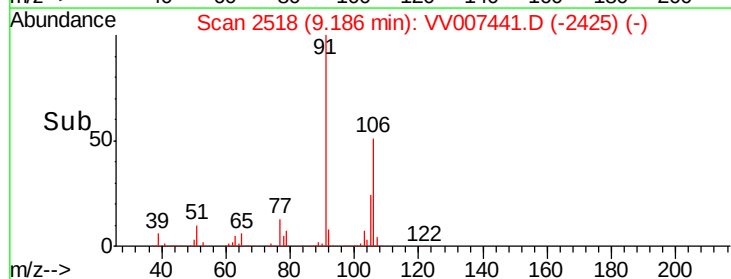
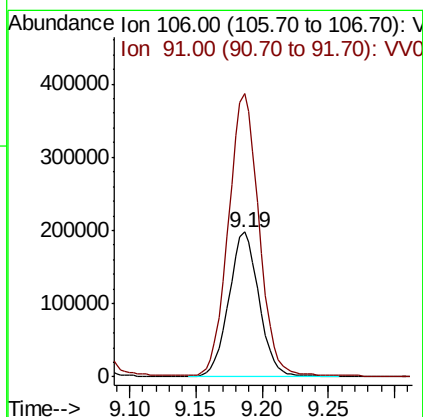
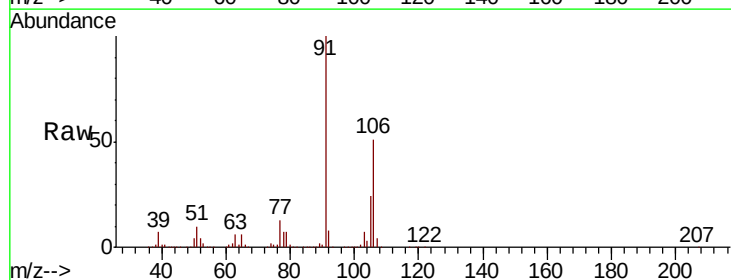
Instrument :
MSVOA_V
ClientSampled :

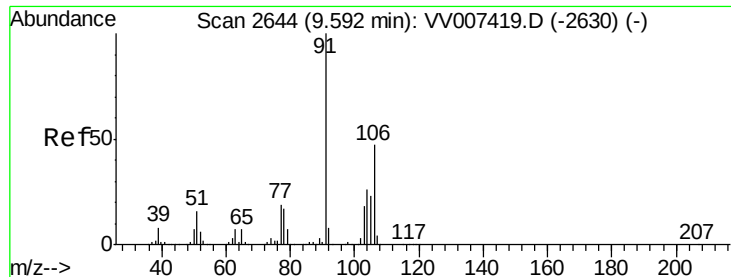
Tot Ion: 91 Resp: 793617
Ion Ratio Lower Upper
91 100
106 31.6 21.8 40.4



#53
m,p-Xylene
Concen: 53.782 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VV007441.D
Acq: 07 Sep 2018 00:32

Tgt Ion: 106 Resp: 311437
Ion Ratio Lower Upper
106 100
91 195.7 138.0 256.2





#54

o-xylene

Concen: 53.718 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

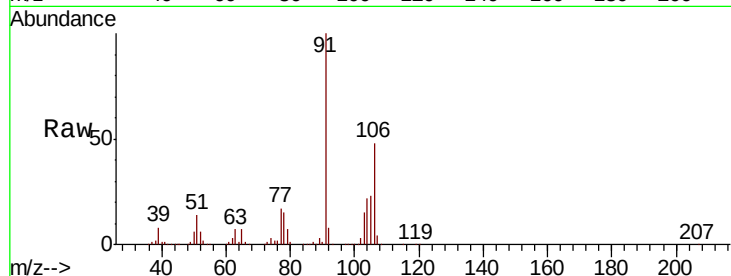
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 302478

Ion Ratio Lower Upper

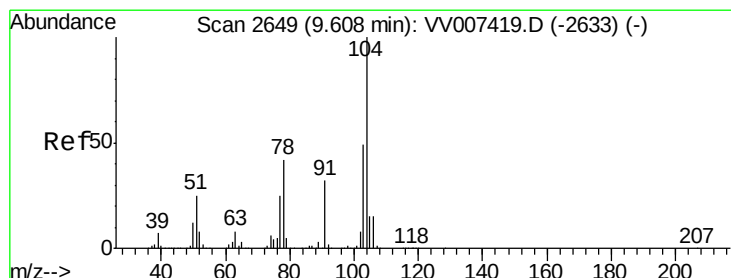
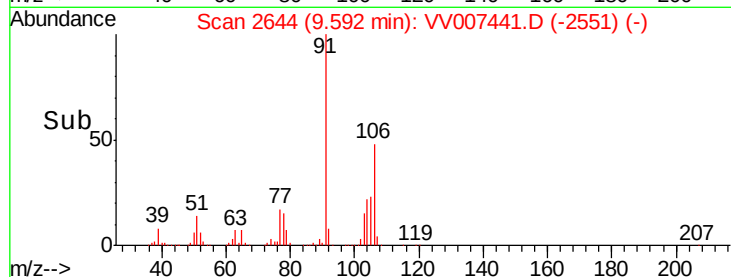
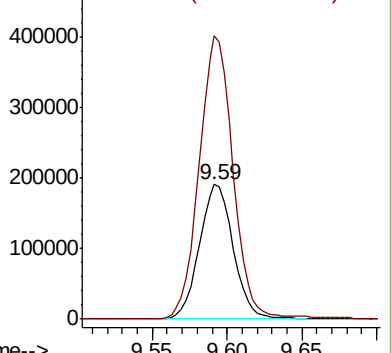
106 100

91 210.2 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 58.113 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV007441.D

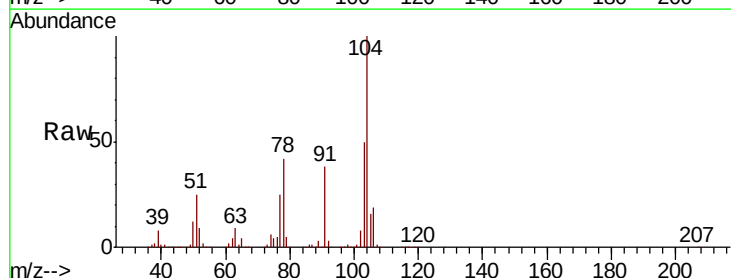
Acq: 07 Sep 2018 00:32

Tgt Ion:104 Resp: 566834

Ion Ratio Lower Upper

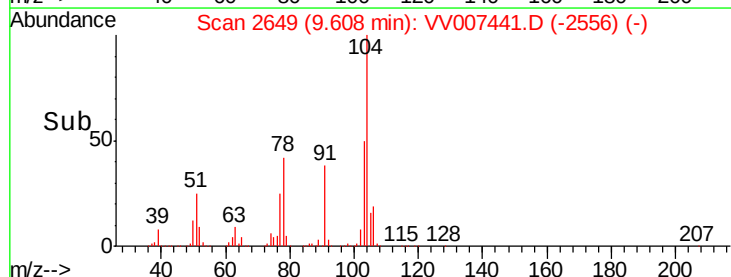
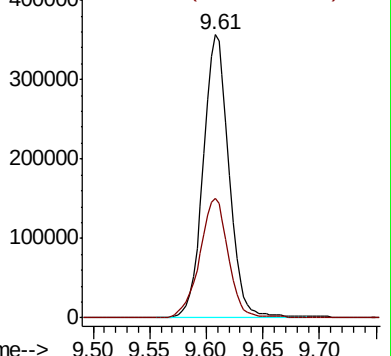
104 100

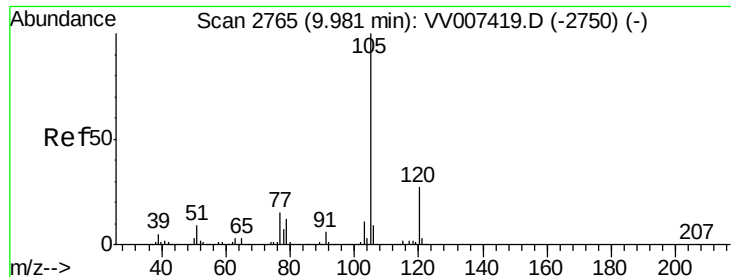
78 42.2 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

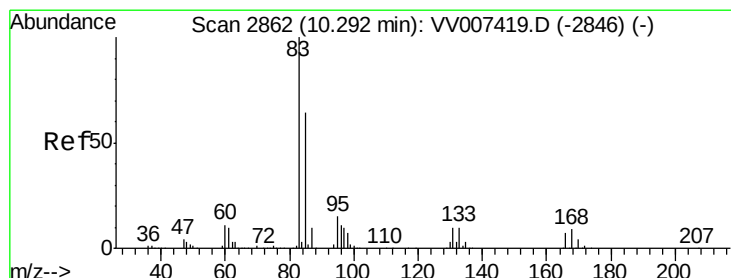
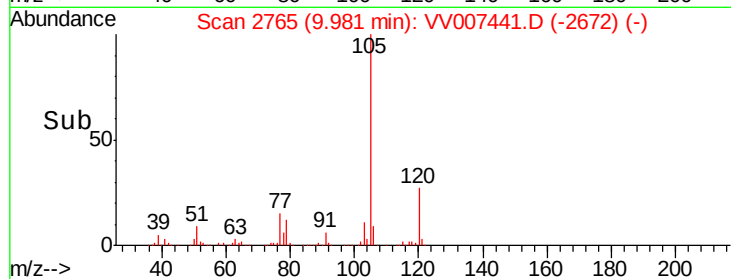
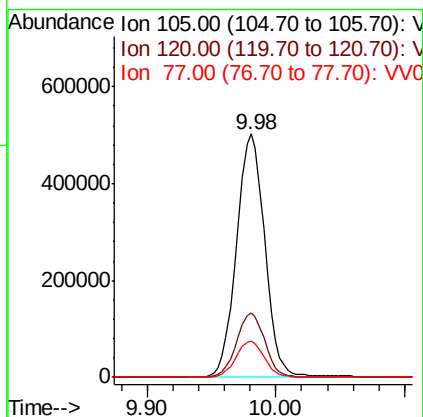
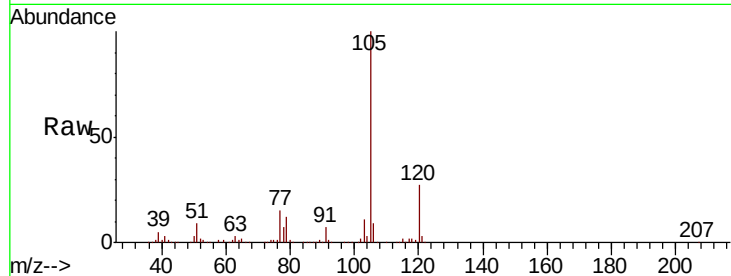




#56
Isopropylbenzene
Concen: 53.870 ug/L
RT: 9.98 min Scan# 2765
Delta R.T. 0.00 min
Lab File: VV007441.D
Acq: 07 Sep 2018 00:32

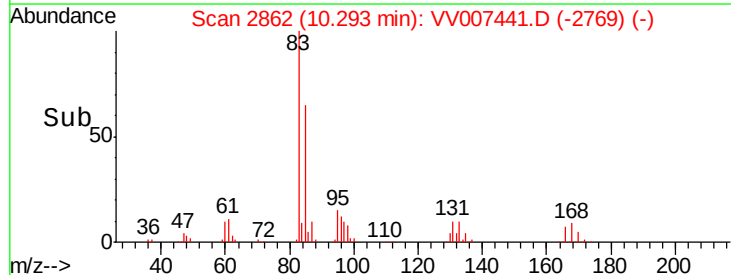
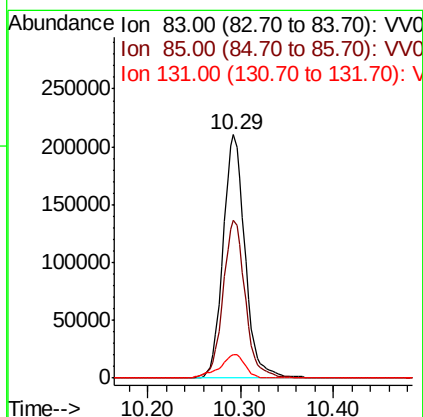
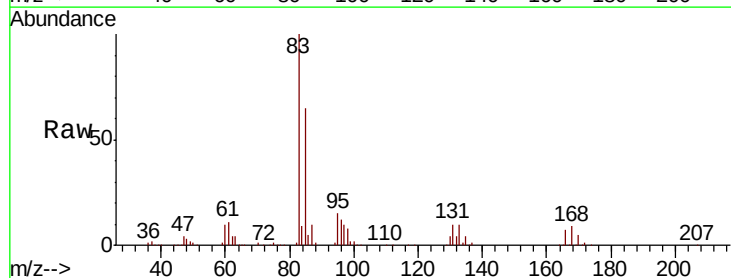
Instrument :
MSVOA_V
ClientSampleId :

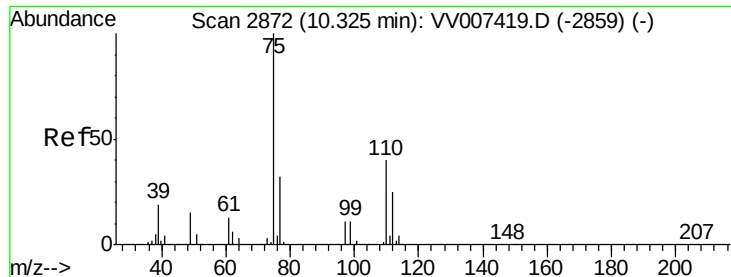
Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.4	32.0
77	15.0	12.0	18.0



#58
1,1,2,2-Tetrachloroethane
Concen: 54.316 ug/L
RT: 10.29 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VV007441.D
Acq: 07 Sep 2018 00:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	44.7	82.9
131	9.8	7.8	11.6

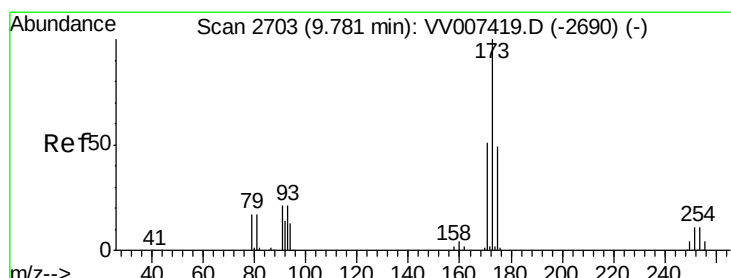
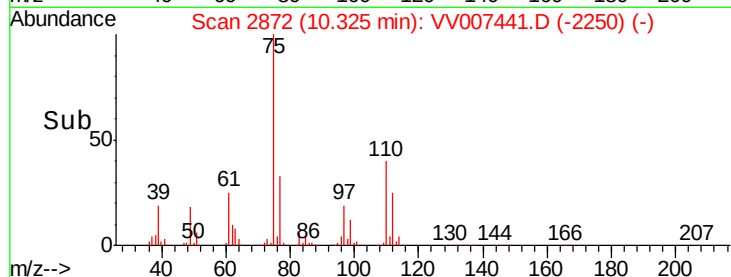
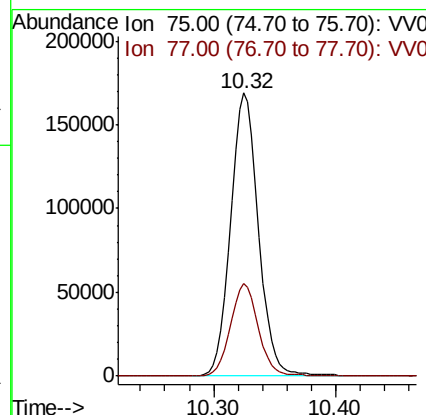
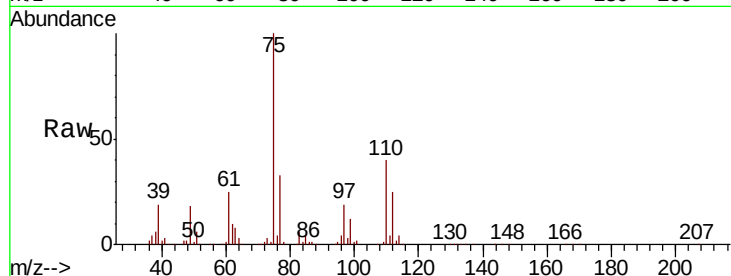




#59
 1,2,3-Trichloropropane
 Concen: 53.487 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV007441.D
 Acq: 07 Sep 2018 00:32

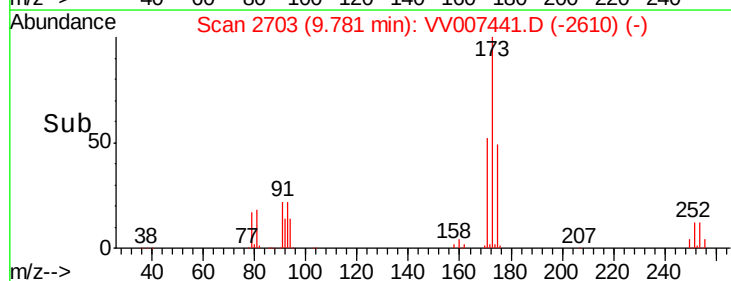
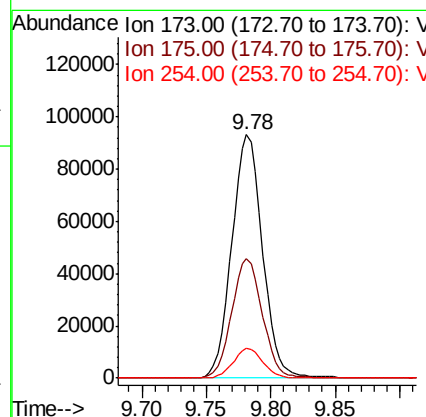
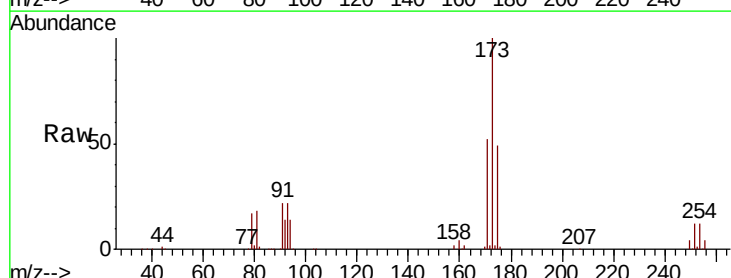
Instrument :
 MSVOA_V
 ClientSampleId :

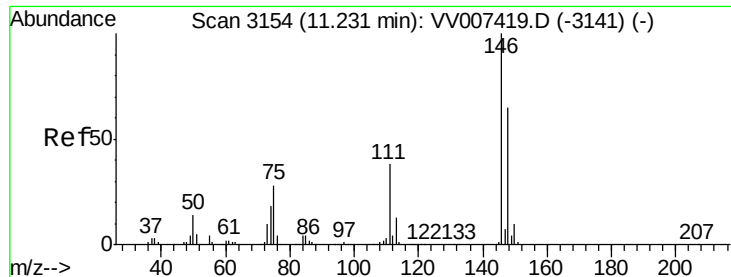
Tot Ion: 75 Resp: 271045
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.5 38.3



#61
 Bromoform
 Concen: 45.532 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV007441.D
 Acq: 07 Sep 2018 00:32

Tgt Ion: 173 Resp: 153712
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.6
 254 11.9 9.3 13.9





#62

1,3-Dichlorobenzene

Concen: 48.761 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

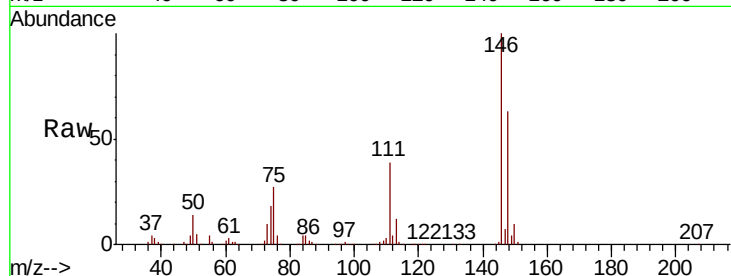
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 367226

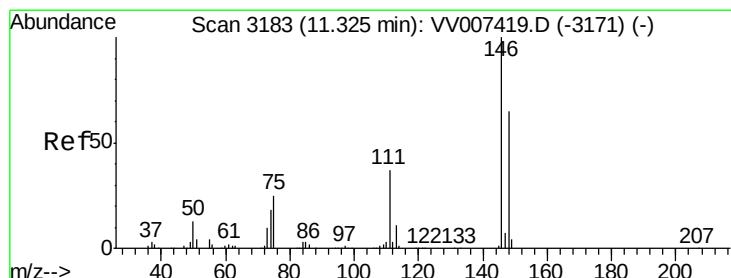
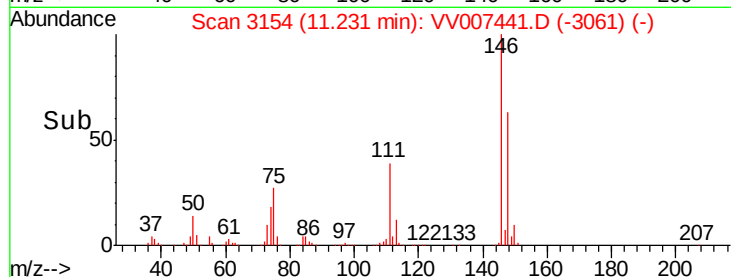
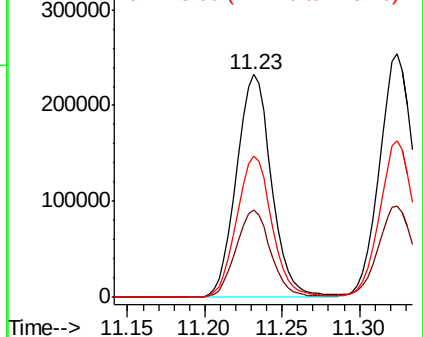
Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.5	51.1
148	63.5	45.7	84.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.133 ug/L

RT: 11.32 min Scan# 3183

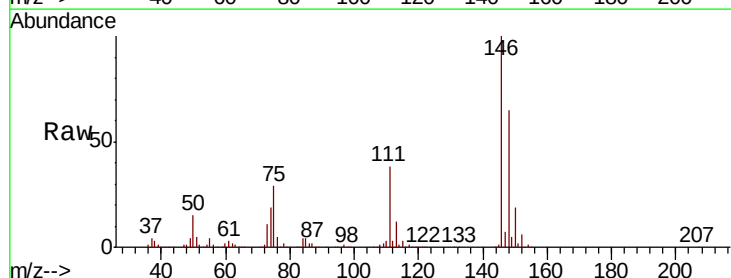
Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

Tgt Ion:146 Resp: 404932

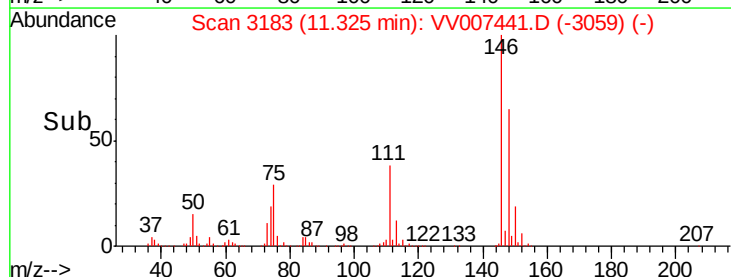
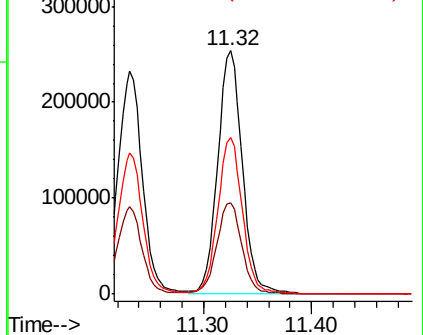
Ion	Ratio	Lower	Upper
146	100		
111	37.7	25.6	47.6
148	64.6	44.2	82.0

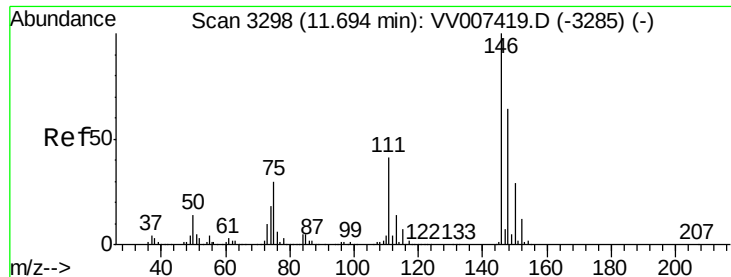


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

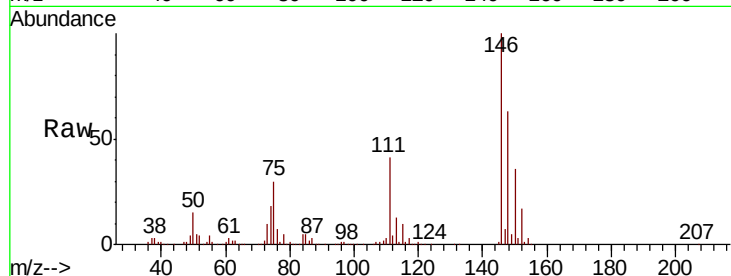




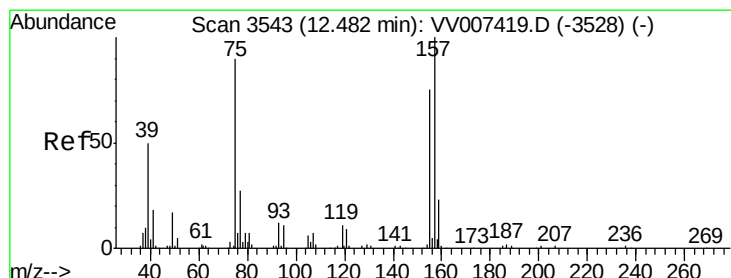
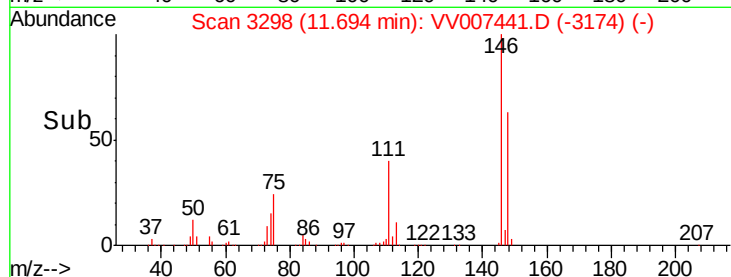
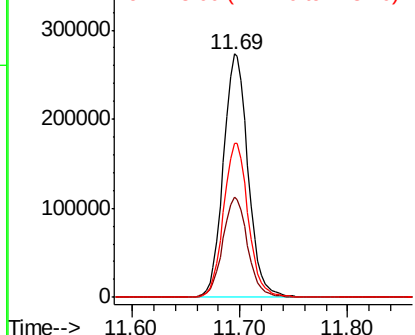
#65
 1,2-Dichlorobenzene
 Concen: 51.696 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV007441.D
 Acq: 07 Sep 2018 00:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	31.7	47.5
148	63.3	50.0	75.0

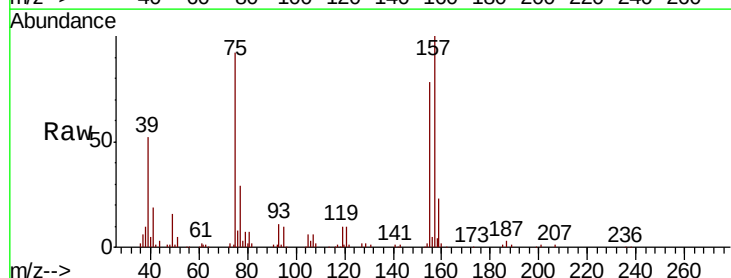


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

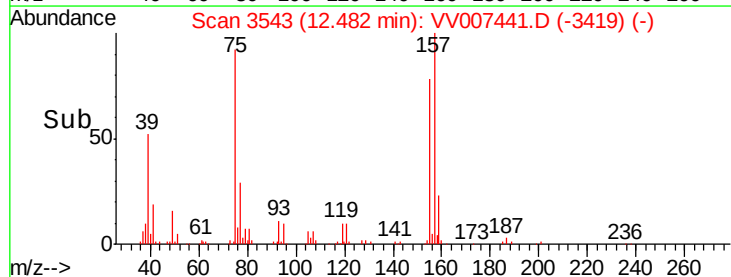
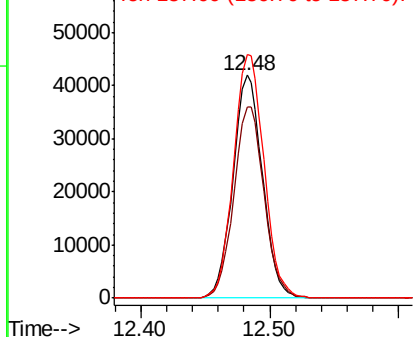


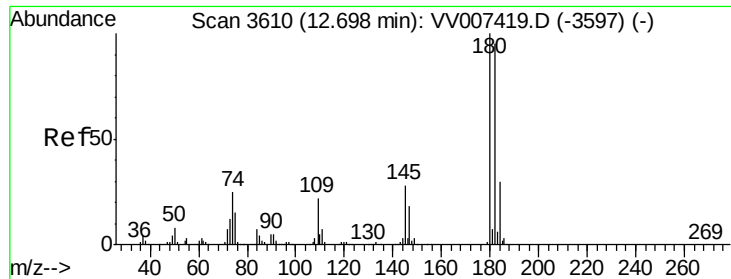
#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.751 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV007441.D
 Acq: 07 Sep 2018 00:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	70.6	105.8
157	109.3	88.6	132.8



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

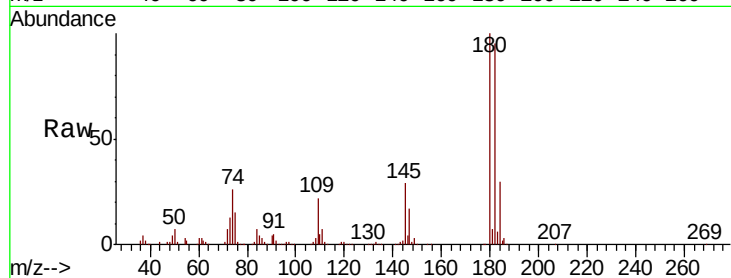




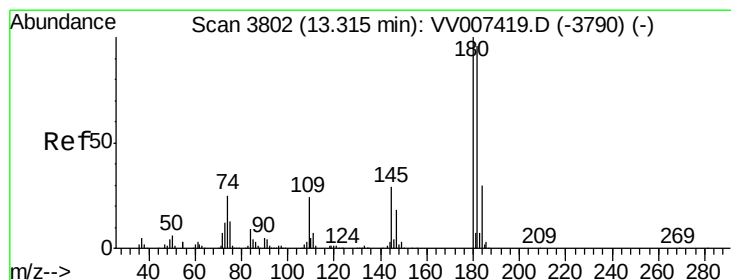
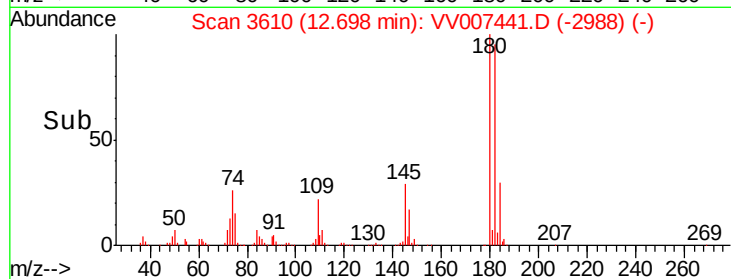
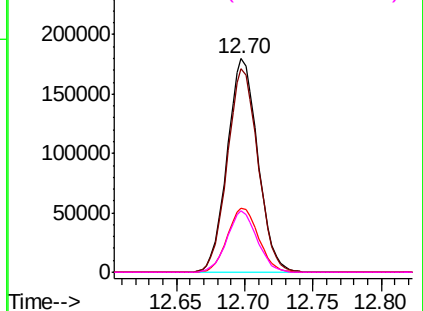
#67
 1,3,5-Trichlorobenzene
 Concen: 48.586 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007441.D
 Acq: 07 Sep 2018 00:32

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180	Resp:	280786
Ion	Ratio	Lower Upper
180	100	
182	95.2	76.8 115.2
184	30.5	24.2 36.2
145	28.0	22.6 34.0

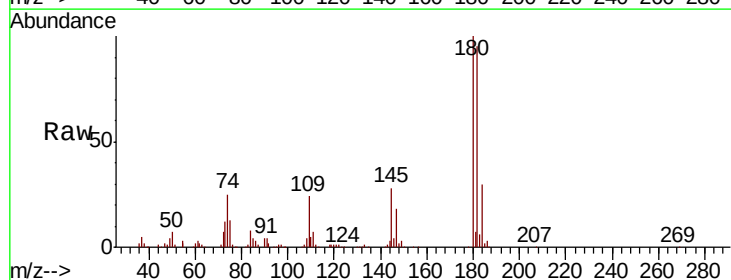


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

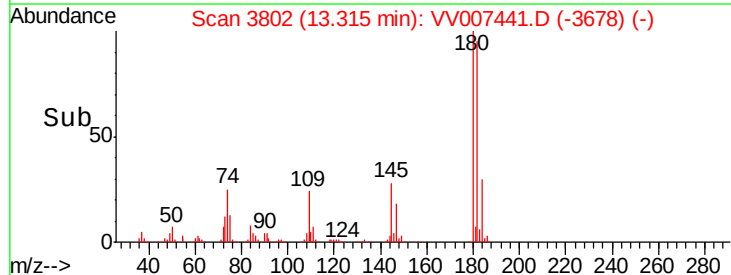
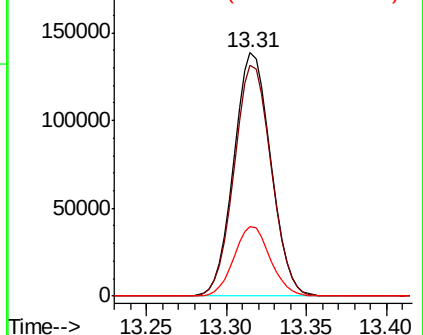


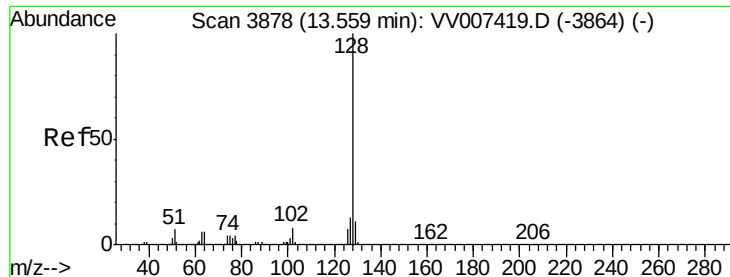
#68
 1,2,4-trichlorobenzene
 Concen: 48.568 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007441.D
 Acq: 07 Sep 2018 00:32

Tgt Ion:180	Resp:	217436
Ion	Ratio	Lower Upper
180	100	
182	95.3	77.0 115.4
145	28.0	22.9 34.3



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





#69

Naphthalene

Concen: 51.164 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

Instrument :

MSVOA_V

ClientSampled :

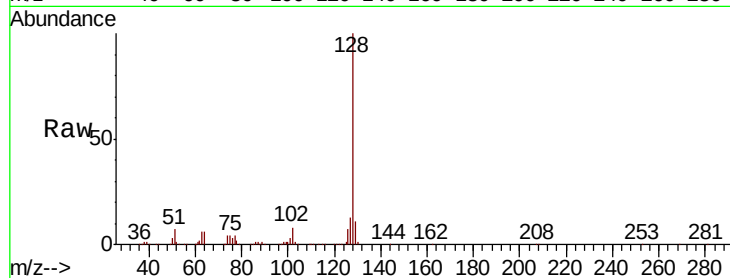
Tot Ion:128 Resp: 661116

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

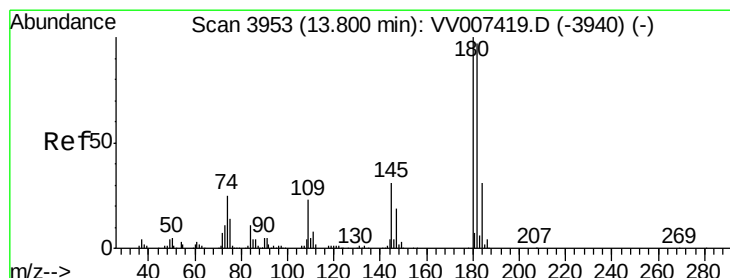
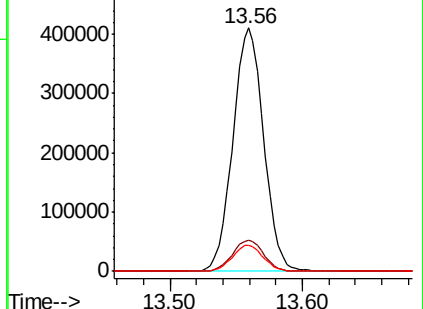
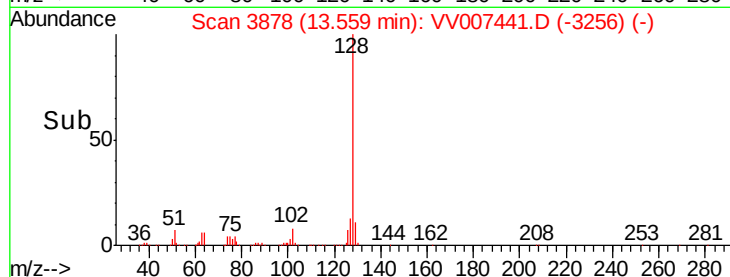
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.935 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007441.D

Acq: 07 Sep 2018 00:32

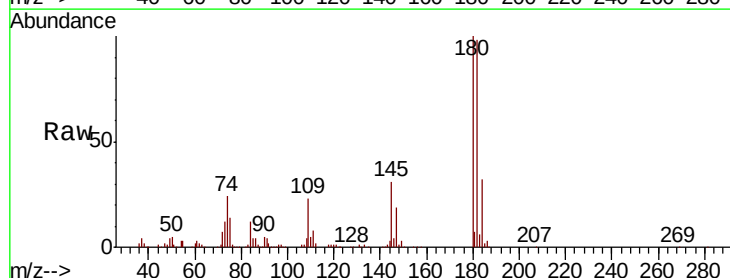
Tgt Ion:180 Resp: 256930

Ion Ratio Lower Upper

180 100

182 95.5 77.2 115.8

145 30.6 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

