

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080218\
 Data File : VV006806.D
 Acq On : 02 Aug 2018 14:00
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 03 01:41:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 03 01:30:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	268897	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	242772	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	110559	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96458	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.58	69	82095	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.13	63	170898	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.00%
20) 2-Butanone-d5	3.96	46	255348	56.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.06%
24) Chloroform-d	4.40	84	168143	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.09	65	87353	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.10	84	341771	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.12	67	114003	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.36	98	306137	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	7.67	79	41245	5.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.80%
46) 2-Hexanone-d5	8.14	63	198090	58.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.26%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	88268	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	105319	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	104628	4.872 ug/L	98
3) Chloromethane	1.25	50	124387	4.006 ug/L	99
5) Vinyl chloride	1.32	62	114992	4.767 ug/L	96
6) Bromomethane	1.53	94	26746	4.446 ug/L	94
8) Chloroethane	1.60	64	74183	4.576 ug/L	99
9) Trichlorofluoromethane	1.77	101	146885	4.980 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	90847	4.897 ug/L	97
12) 1,1-Dichloroethene	2.14	96	82404	4.795 ug/L	95
13) Acetone	2.20	43	162444	50.997 ug/L	98
14) Carbon disulfide	2.32	76	243674	4.780 ug/L	99
15) Methyl Acetate	2.47	43	45740	4.771 ug/L	91
16) Methylene chloride	2.54	84	93690	4.558 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	227648	4.939 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	90799	4.849 ug/L	94
19) 1,1-Dichloroethane	3.23	63	172620	4.937 ug/L	98
21) 2-Butanone	4.05	43	257019	52.799 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	96400	4.796 ug/L	95

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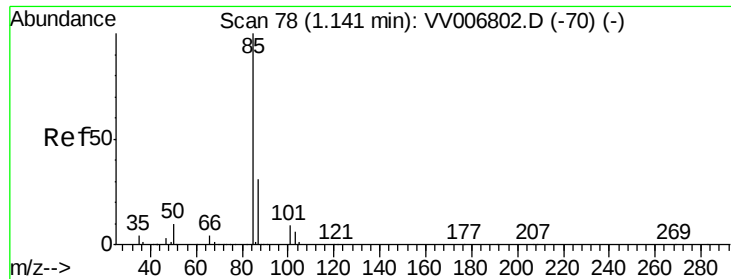
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 03 01:41:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080218WMA.M
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.30	128	42740	4.889	ug/L	95
25) Chloroform	4.43	83	164957	4.852	ug/L	97
27) 1,2-Dichloroethane	5.19	62	103608	5.009	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	138670	4.928	ug/L	100
30) Cyclohexane	4.72	56	145324	4.986	ug/L	99
31) Carbon tetrachloride	4.88	117	112332	4.848	ug/L	96
33) Benzene	5.15	78	369961	4.960	ug/L	100
34) Trichloroethene	5.96	95	91602	4.825	ug/L	97
35) Methylcyclohexane	6.18	83	148555	4.928	ug/L	98
37) 1,2-Dichloropropane	6.22	63	95109	4.863	ug/L #	96
38) Bromodichloromethane	6.56	83	110888	4.981	ug/L	96
39) cis-1,3-Dichloropropene	7.08	75	130378	5.162	ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	573566	52.989	ug/L	100
42) Toluene	7.44	91	368588	5.023	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	102783	4.943	ug/L	95
45) 1,1,2-Trichloroethane	7.89	97	70320	4.973	ug/L	99
47) Tetrachloroethene	8.02	164	72860	4.817	ug/L	94
48) 2-Hexanone	8.20	43	402236	54.766	ug/L	98
49) Dibromochloromethane	8.30	129	71434	4.997	ug/L	96
50) 1,2-Dibromoethane	8.40	107	61462	5.100	ug/L #	97
51) Chlorobenzene	8.93	112	234794	4.971	ug/L	99
52) Ethylbenzene	9.06	91	376260	4.909	ug/L	100
53) m,p-xylene	9.19	106	142350	5.003	ug/L	97
54) o-xylene	9.59	106	133759	4.659	ug/L	99
55) Styrene	9.61	104	219186	4.858	ug/L	99
56) Isopropylbenzene	9.98	105	361345	4.947	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	87904	5.137	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	62407	5.189	ug/L	99
61) Bromoform	9.78	173	38765	5.149	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	168352	4.818	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	165896	4.799	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	166436	4.854	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	12575	5.273	ug/L	91
67) 1,3,5-Trichlorobenzene	12.70	180	130039	4.838	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	104906	5.025	ug/L	99
69) Naphthalene	13.56	128	192329	5.285	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	102653	5.093	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.872 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

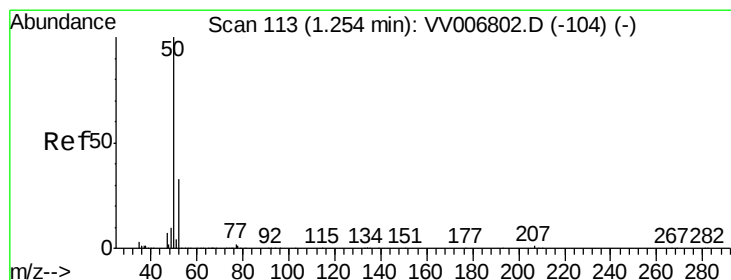
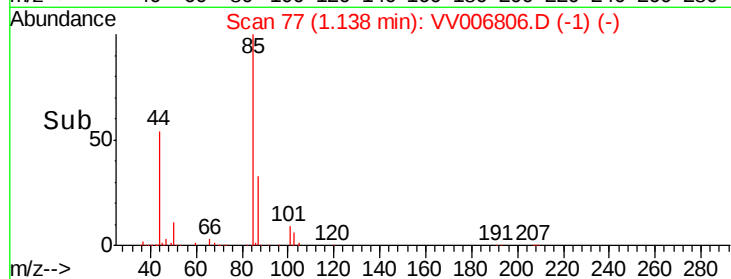
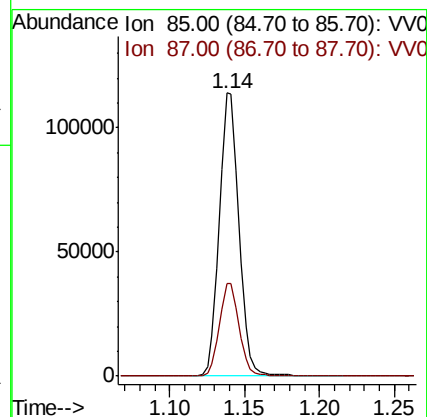
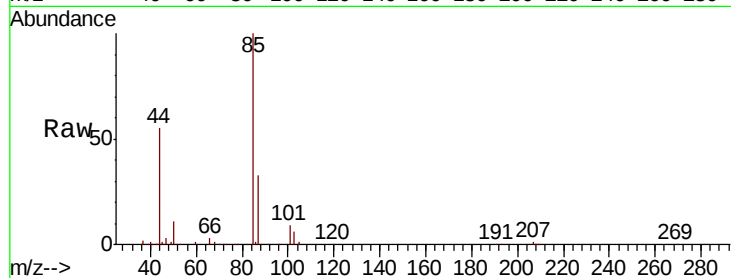
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 104628

Ion Ratio Lower Upper

85 100

87 32.8 25.4 38.0



#3

Chloromethane

Concen: 4.006 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV006806.D

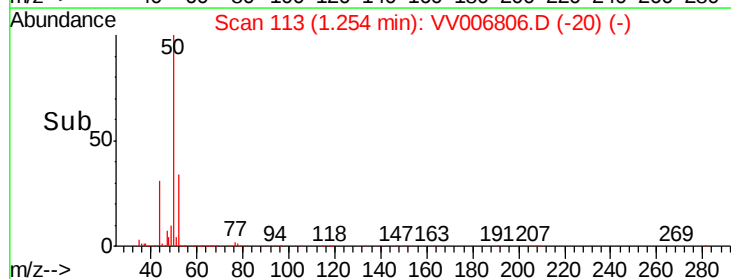
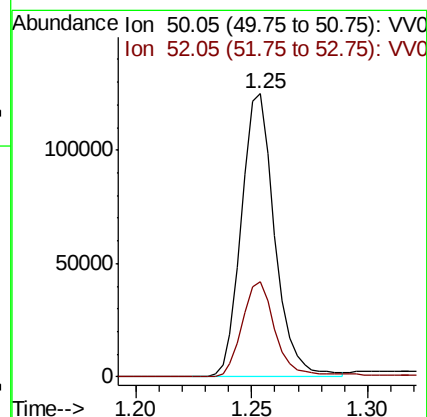
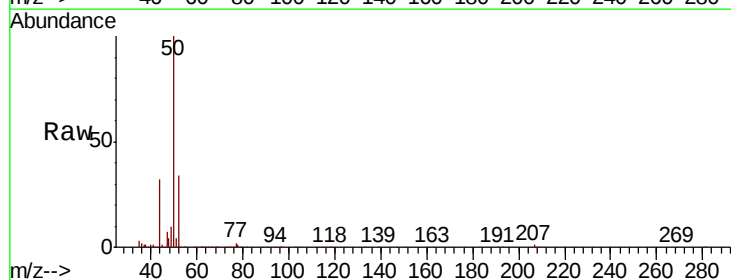
Acq: 02 Aug 2018 14:00

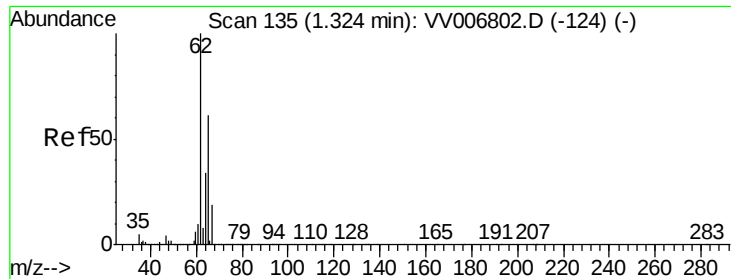
Tgt Ion: 50 Resp: 124387

Ion Ratio Lower Upper

50 100

52 33.7 23.3 43.3





#5

Vinyl chloride

Concen: 4.767 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

Instrument :

MSVOA_V

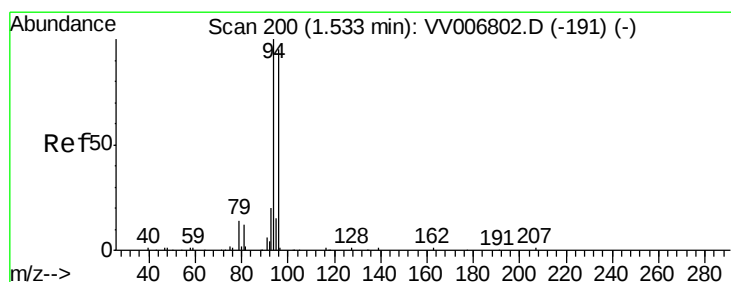
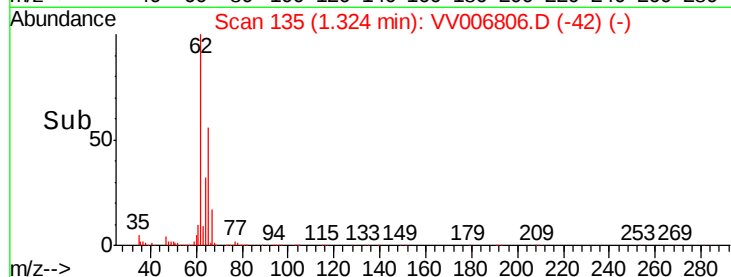
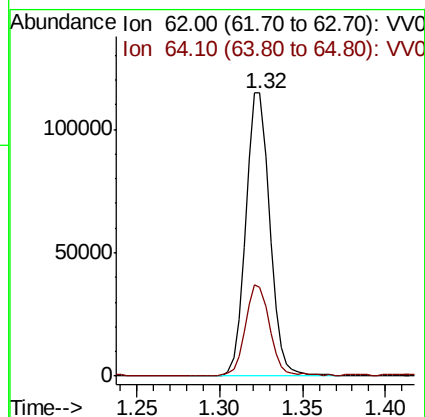
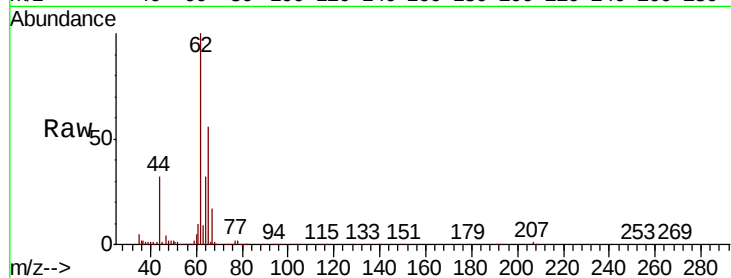
ClientSampleId :

Tot Ion: 62 Resp: 114992

Ion Ratio Lower Upper

62 100

64 31.6 23.7 43.9



#6

Bromomethane

Concen: 4.446 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV006806.D

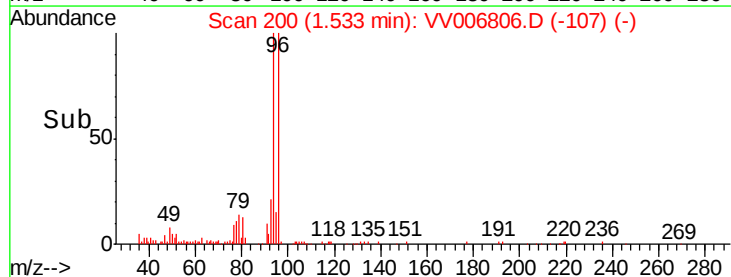
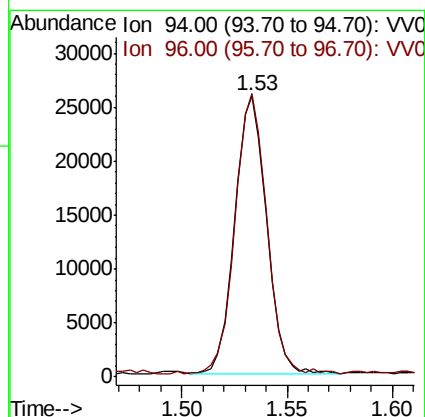
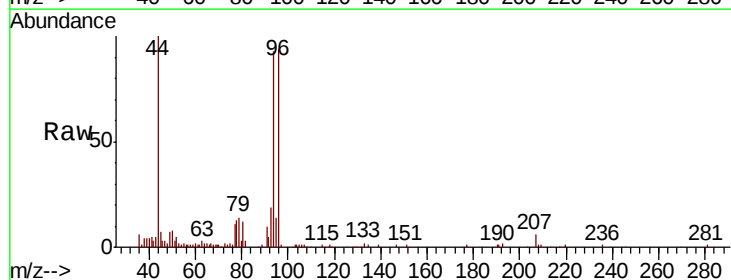
Acq: 02 Aug 2018 14:00

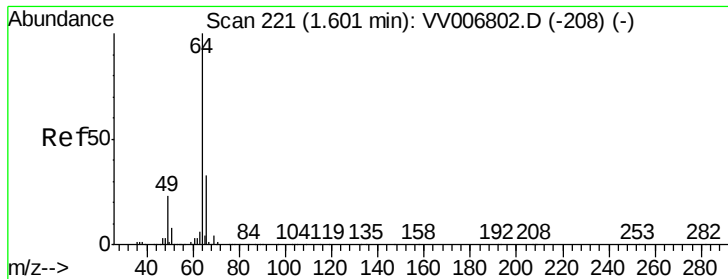
Tgt Ion: 94 Resp: 26746

Ion Ratio Lower Upper

94 100

96 100.6 66.2 123.0





#8

Chloroethane

Concen: 4.576 ug/L

RT: 1.60 min Scan# 220

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

Instrument :

MSVOA_V

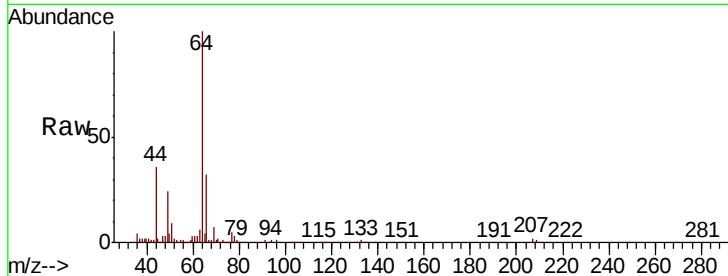
ClientSampleId :

Tot Ion: 64 Resp: 74183

Ion Ratio Lower Upper

64 100

66 32.4 23.0 42.6



Abundance Ion 64.10 (63.80 to 64.80): VV006802.D (-208) (-)

Ion 66.05 (65.75 to 66.75): VV006806.D (-128) (-)

1.60

60000

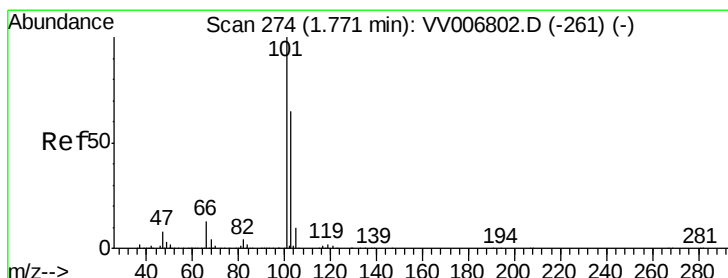
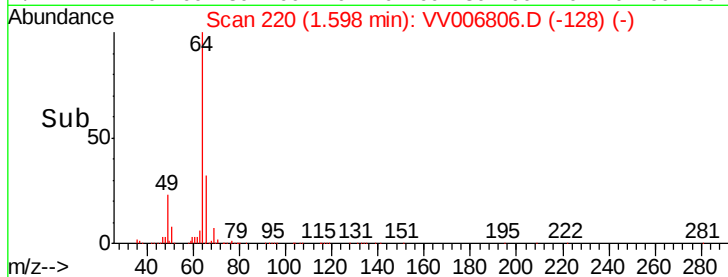
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 4.980 ug/L

RT: 1.77 min Scan# 273

Delta R.T. -0.00 min

Lab File: VV006806.D

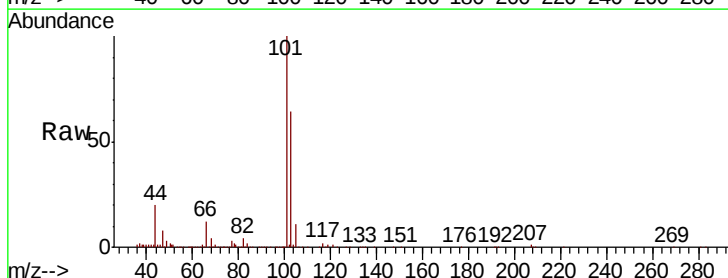
Acq: 02 Aug 2018 14:00

Tgt Ion: 101 Resp: 146885

Ion Ratio Lower Upper

101 100

103 62.8 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VV006802.D (-261) (-)

Ion 103.00 (102.70 to 103.70): VV006806.D (-181) (-)

1.77

120000

100000

80000

60000

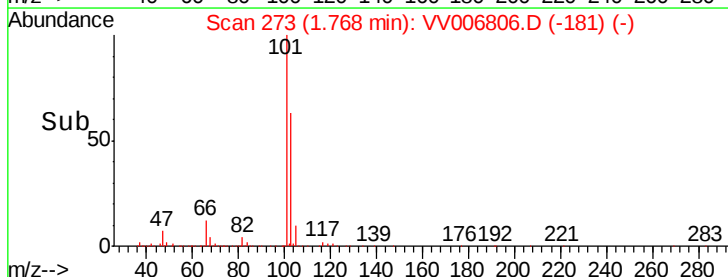
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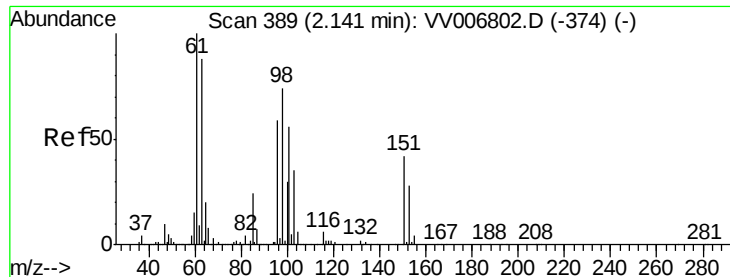
20000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 4.897 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

Instrument :

MSVOA_V

ClientSampleId :

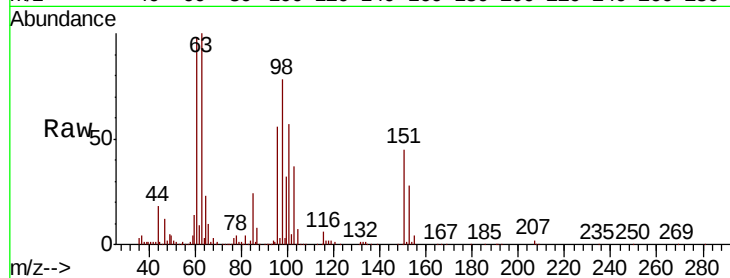
Tot Ion:101 Resp: 90847

Ion Ratio Lower Upper

101 100

85 41.7 33.3 49.9

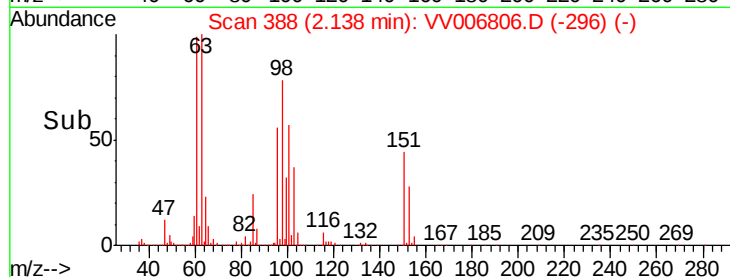
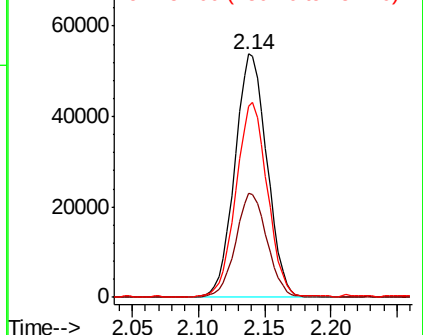
151 77.8 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): VV006802.D (-374) (-)

Ion 85.00 (84.70 to 85.70): VV006802.D (-374) (-)

Ion 151.00 (150.70 to 151.70): VV006802.D (-374) (-)



#12

1,1-Dichloroethene

Concen: 4.795 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

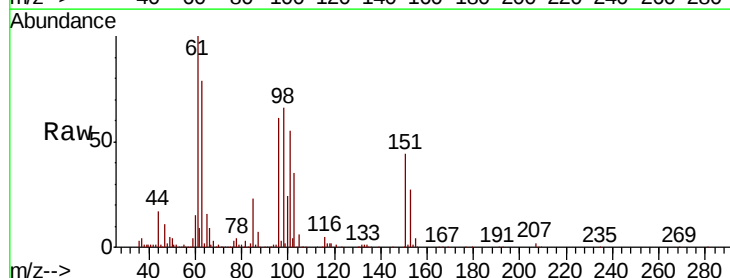
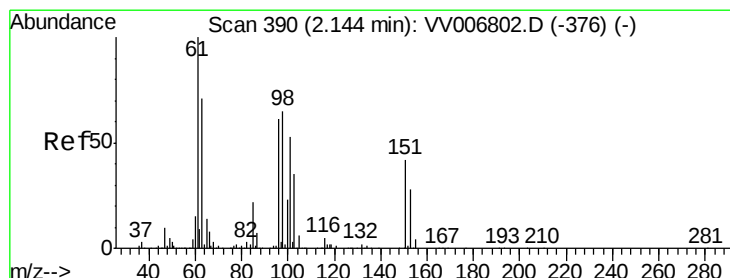
Tgt Ion: 96 Resp: 82404

Ion Ratio Lower Upper

96 100

61 164.4 115.3 214.1

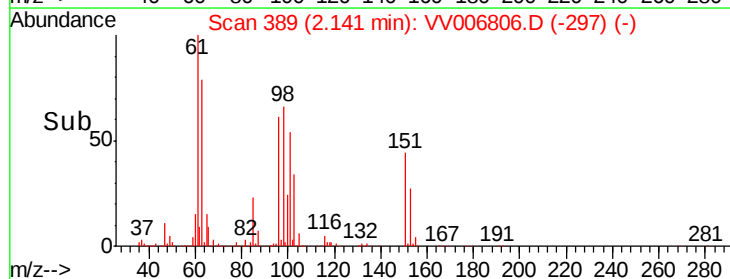
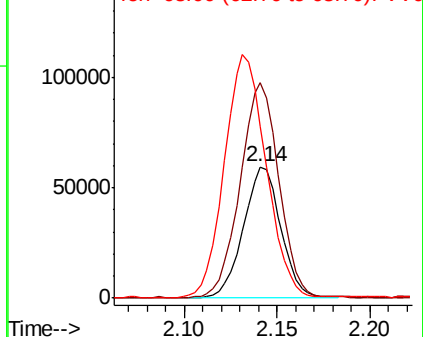
63 130.6 81.9 152.1

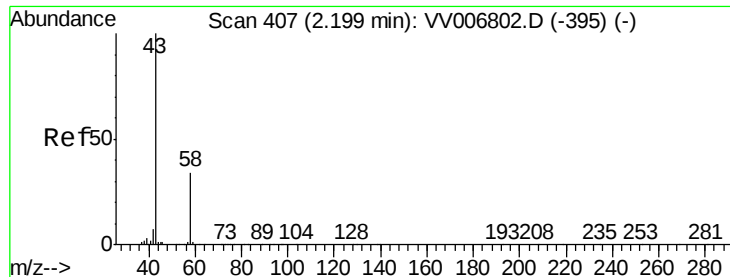


Abundance Ion 96.00 (95.70 to 96.70): VV006806.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006806.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006806.D (-297) (-)





#13

Acetone

Concen: 50.997 ug/L

RT: 2.20 min Scan# 408

Delta R.T. 0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

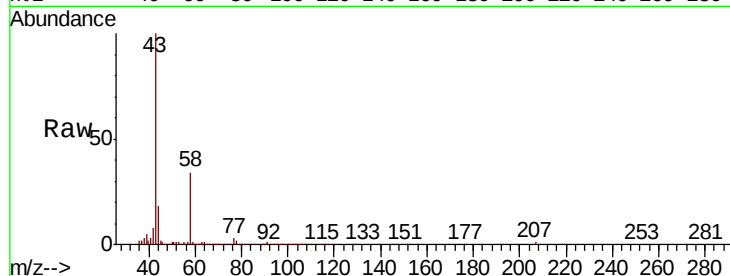
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 162444

Ion Ratio Lower Upper

43 100

58 33.5 0.0 69.0



Abundance Ion 43.05 (42.75 to 43.75): VV006802.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VV006802.D (-395) (-)

2.20

100000

80000

60000

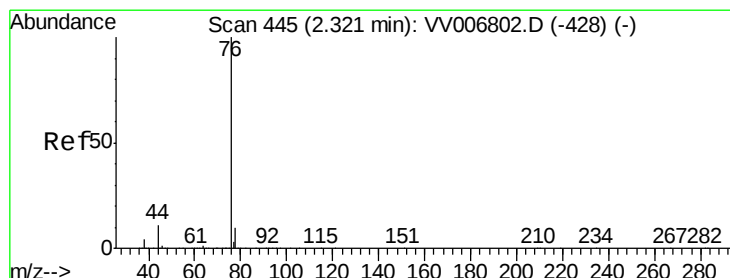
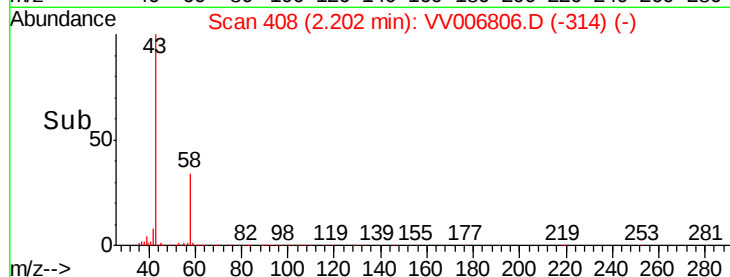
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20000

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Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 4.780 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006806.D

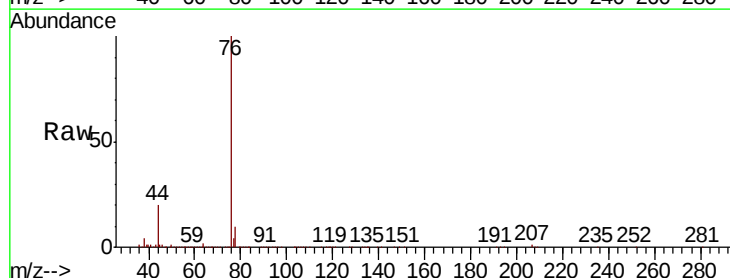
Acq: 02 Aug 2018 14:00

Tgt Ion: 76 Resp: 243674

Ion Ratio Lower Upper

76 100

78 10.4 8.7 13.1



Abundance Ion 76.05 (75.75 to 76.75): VV006802.D (-428) (-)

Ion 78.00 (77.70 to 78.70): VV006802.D (-428) (-)

2.32

200000

150000

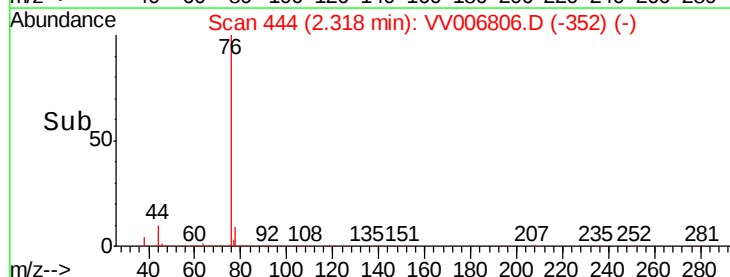
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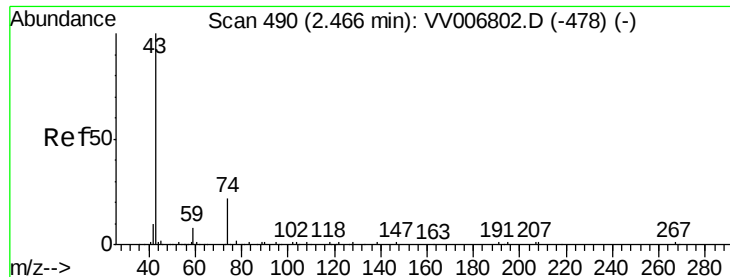
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Time-->

2.25 2.30 2.35 2.40

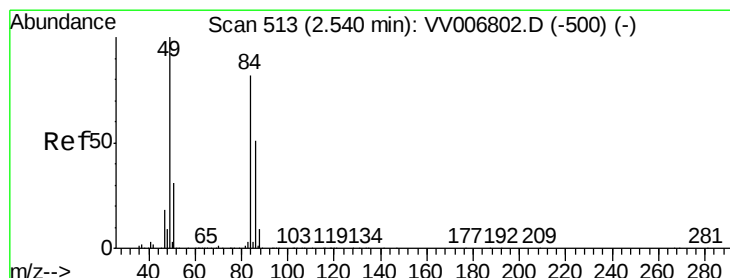
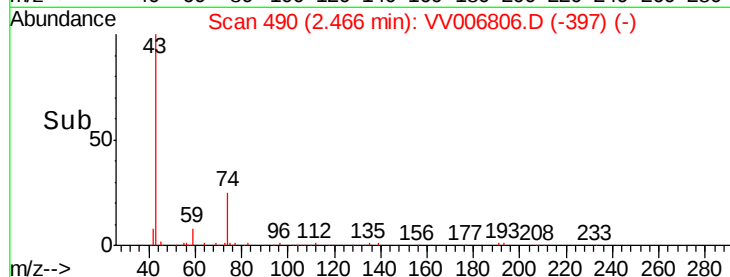
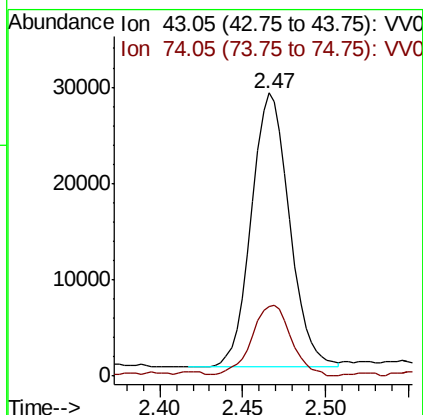
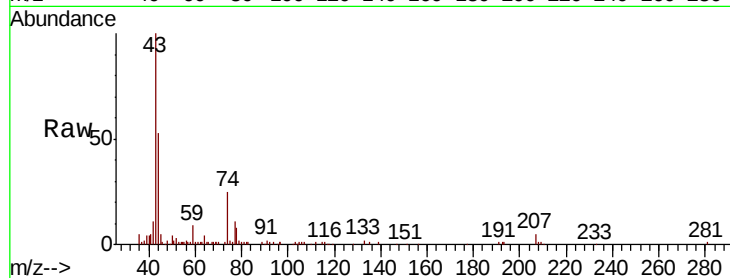




#15
Methvl Acetate
Concen: 4.771 ug/L
RT: 2.47 min Scan# 490
Delta R.T. -0.00 min
Lab File: VV006806.D
Acq: 02 Aug 2018 14:00

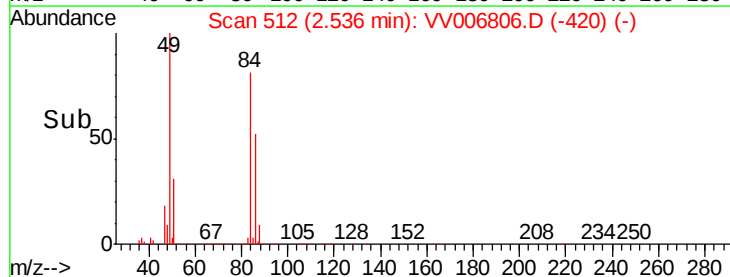
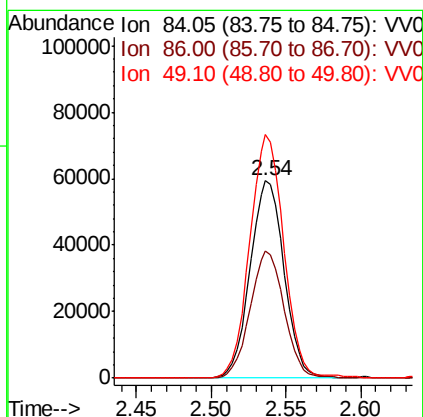
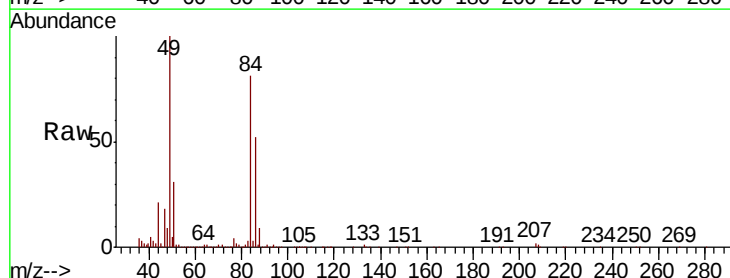
Instrument :
MSVOA_V
ClientSampleId :

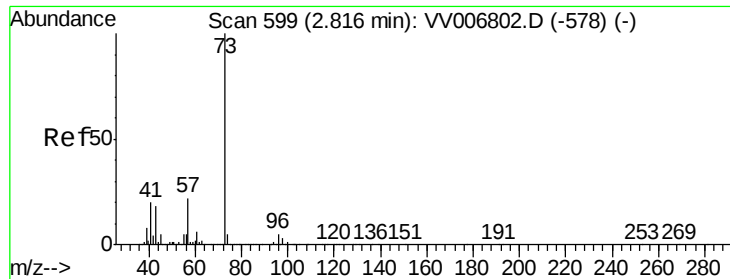
Tot Ion: 43 Resp: 45740
Ion Ratio Lower Upper
43 100
74 27.1 18.3 27.5



#16
Methylene chloride
Concen: 4.558 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV006806.D
Acq: 02 Aug 2018 14:00

Tgt Ion: 84 Resp: 93690
Ion Ratio Lower Upper
84 100
86 64.3 43.8 81.3
49 123.6 85.3 158.5

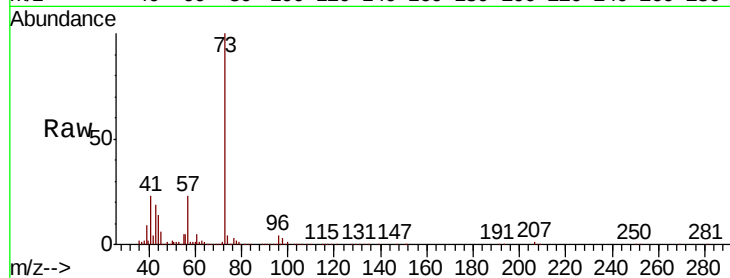




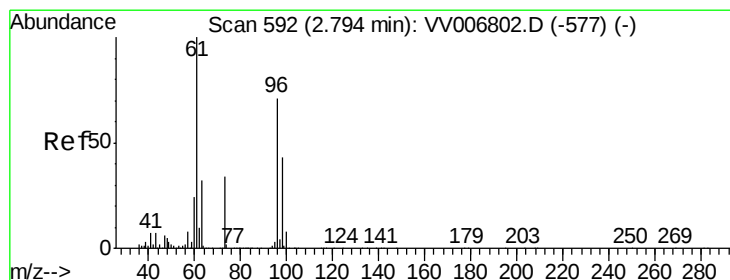
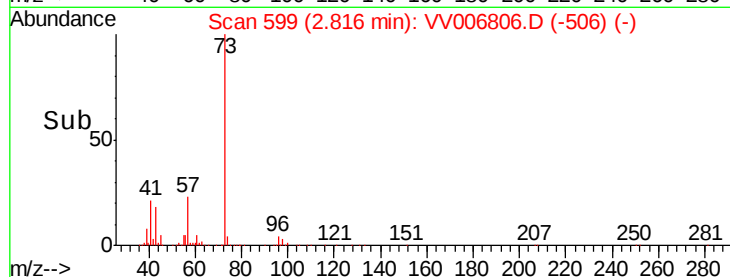
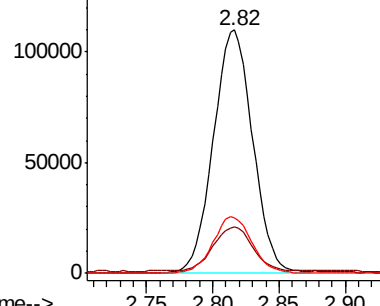
#17
Methvl tert-butvl Ether
Concen: 4.939 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV006806.D
Acq: 02 Aug 2018 14:00

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 227648
Ion Ratio Lower Upper
73 100
43 18.4 14.6 22.0
57 22.8 18.0 27.0

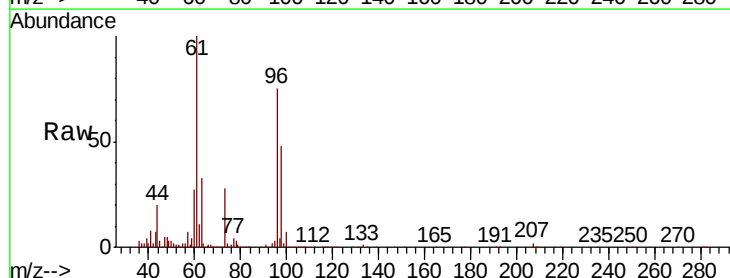


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

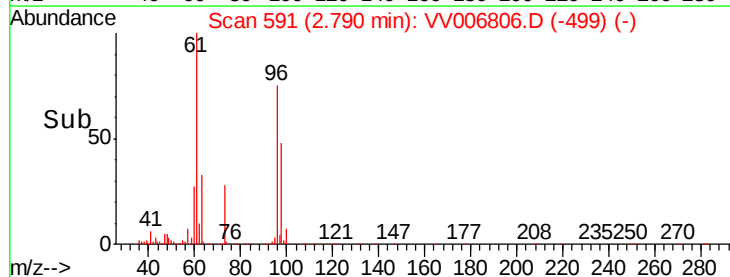
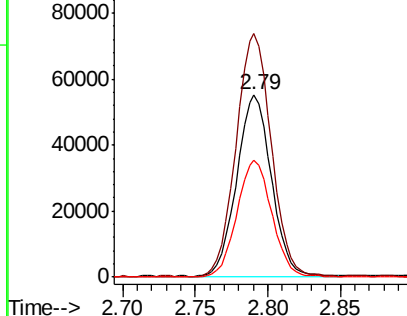


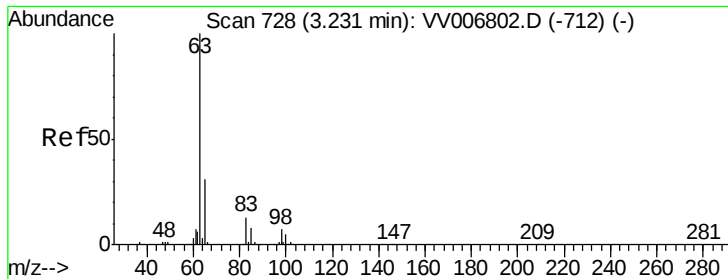
#18
trans-1,2-Dichloroethene
Concen: 4.849 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV006806.D
Acq: 02 Aug 2018 14:00

Tgt Ion: 96 Resp: 90799
Ion Ratio Lower Upper
96 100
61 133.6 99.0 183.8
98 64.2 42.8 79.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

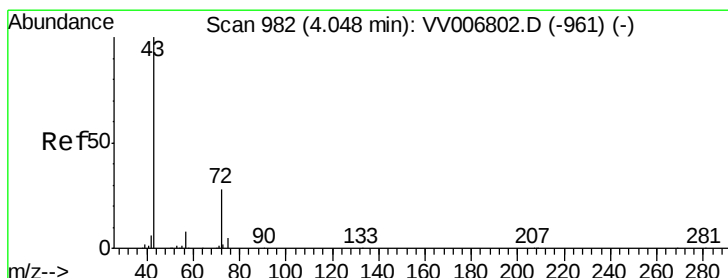
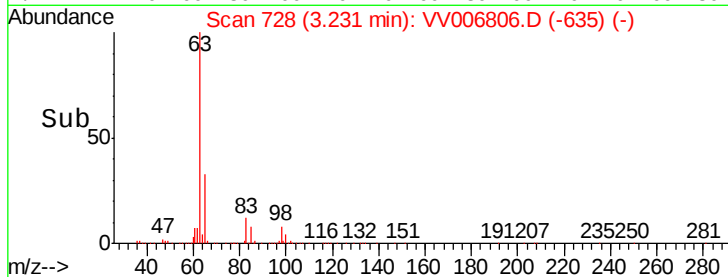
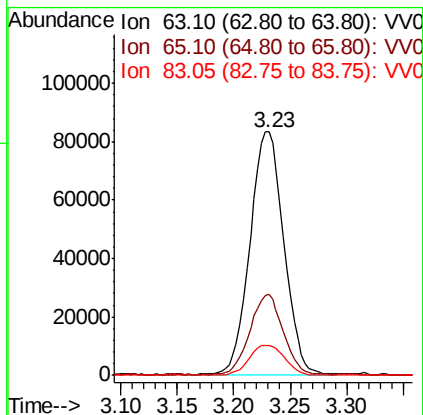
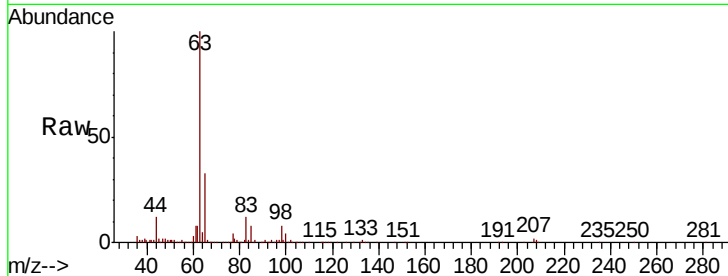




#19
 1,1-Dichloroethane
 Concen: 4.937 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VV006806.D
 Acq: 02 Aug 2018 14:00

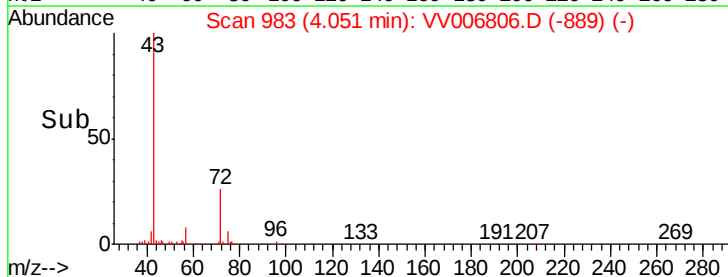
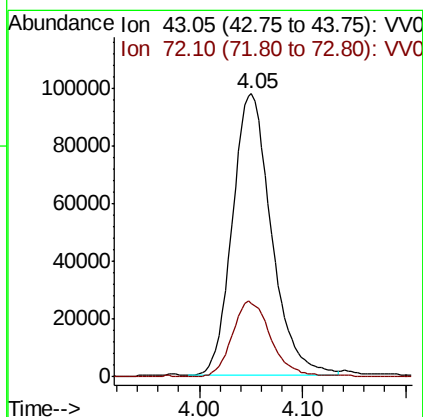
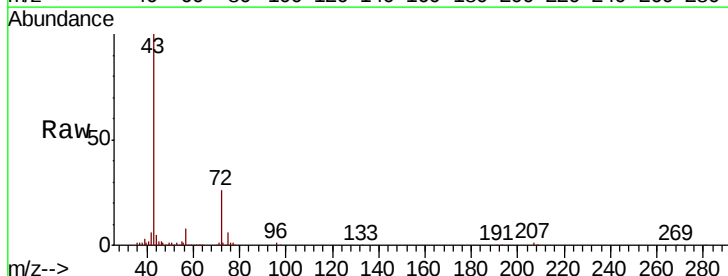
Instrument :
 MSVOA_V
 ClientSampled :

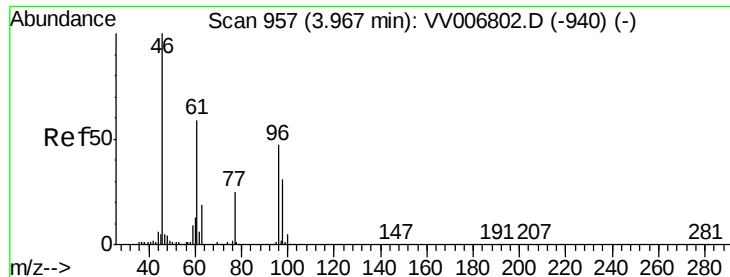
Tot Ion	Ratio	Lower	Upper
63	100		
65	33.1	22.2	41.2
83	12.4	9.0	16.6



#21
 2-Butanone
 Concen: 52.799 ug/L
 RT: 4.05 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VV006806.D
 Acq: 02 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.7	13.4	40.1



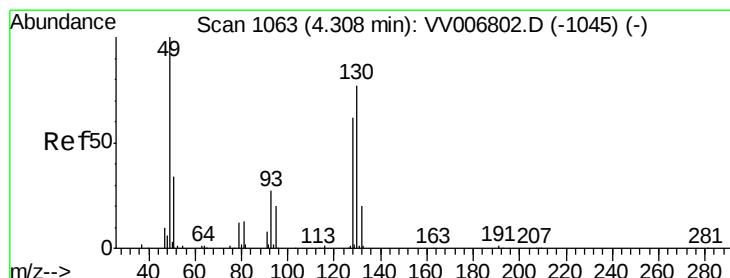
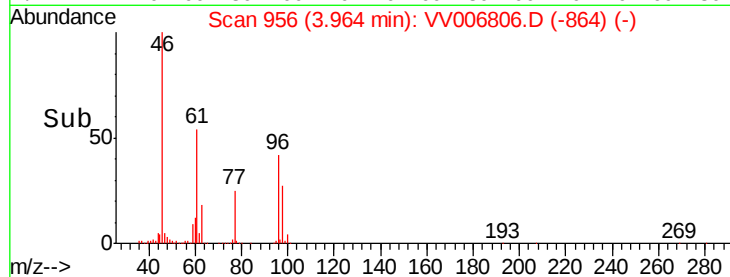
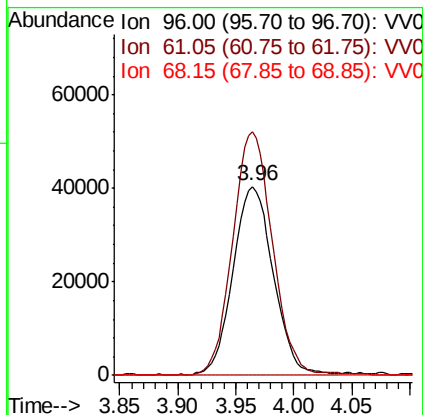
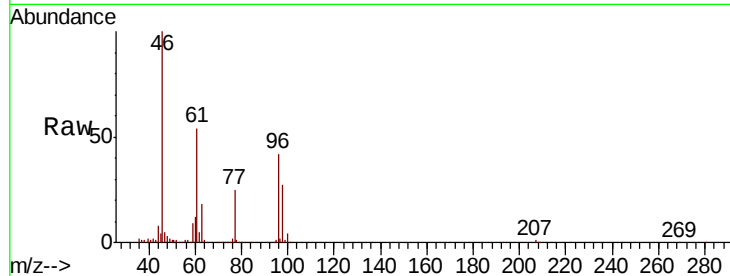


#22

cis-1,2-Dichloroethene
 Concen: 4.796 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV006806.D
 Acq: 02 Aug 2018 14:00

Instrument :
 MSVOA_V
 ClientSampleId :

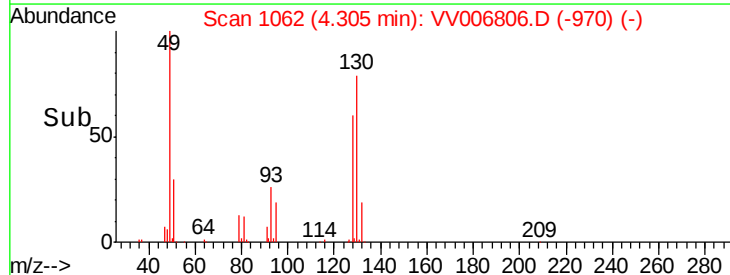
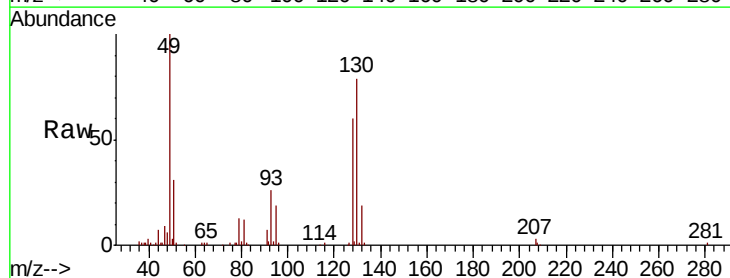
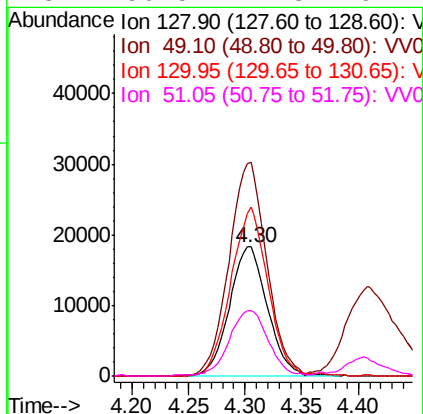
Tot Ion: 96 Resp: 96400
 Ion Ratio Lower Upper
 96 100
 61 129.0 86.6 160.8
 68 0.0 0.0 0.0

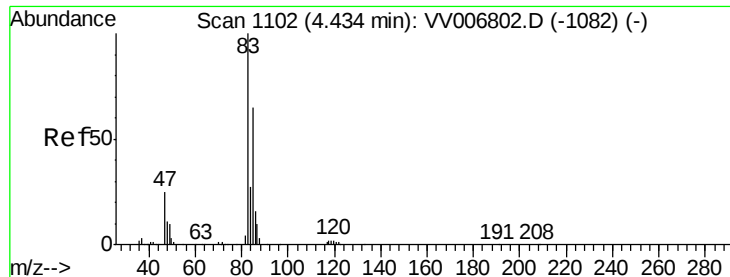


#23

Bromochloromethane
 Concen: 4.889 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VV006806.D
 Acq: 02 Aug 2018 14:00

Tgt Ion: 128 Resp: 42740
 Ion Ratio Lower Upper
 128 100
 49 165.4 113.3 210.5
 130 131.1 87.1 161.7
 51 50.5 44.8 67.2





#25

Chloroform

Concen: 4.852 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

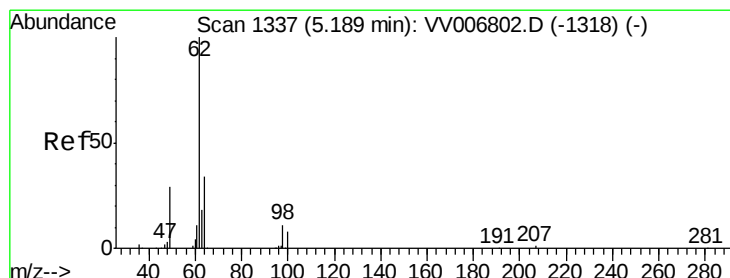
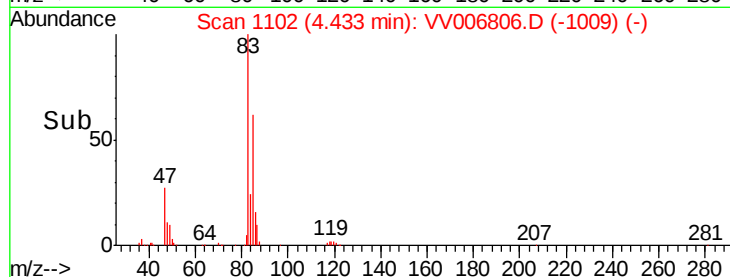
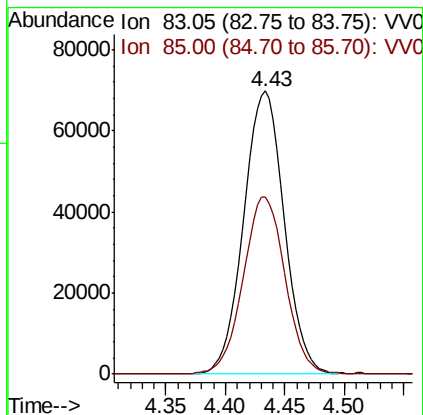
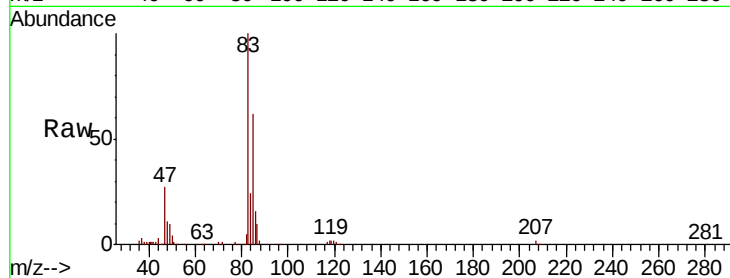
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 164957

Ion Ratio Lower Upper

83 100

85 62.4 45.4 84.2



#27

1,2-Dichloroethane

Concen: 5.009 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV006806.D

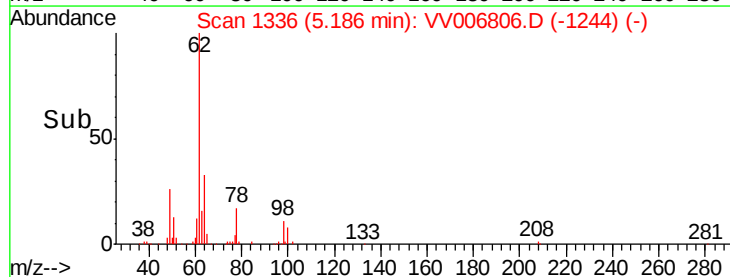
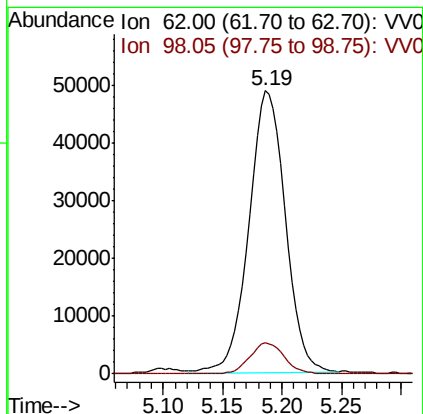
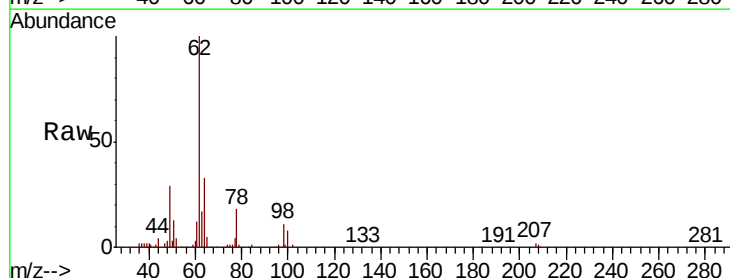
Acq: 02 Aug 2018 14:00

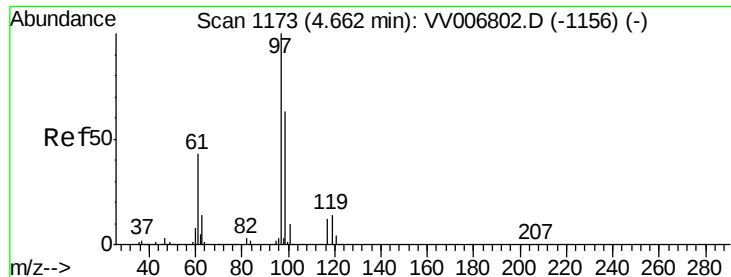
Tgt Ion: 62 Resp: 103608

Ion Ratio Lower Upper

62 100

98 10.8 8.8 13.2

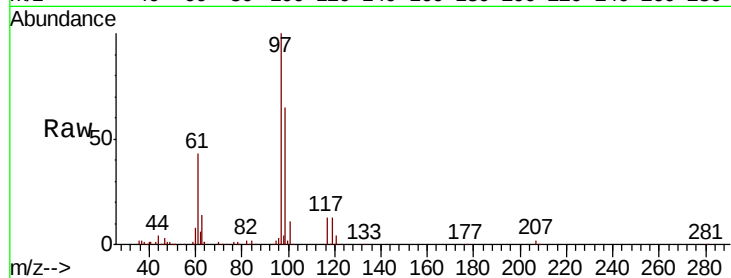




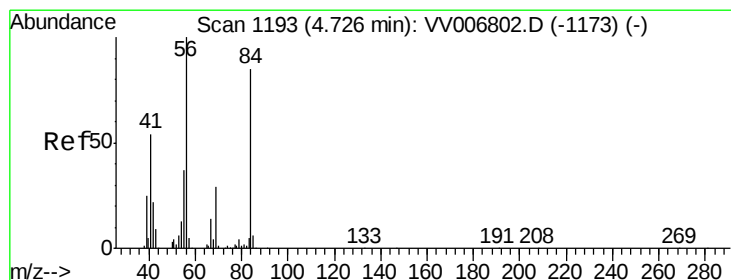
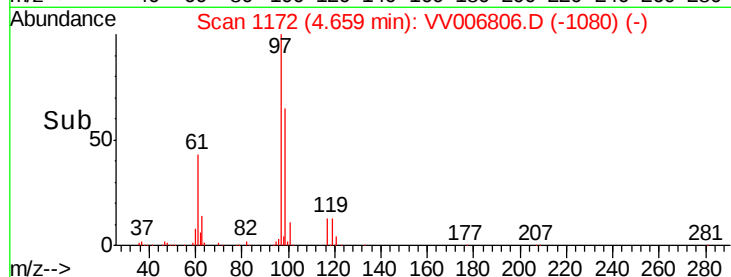
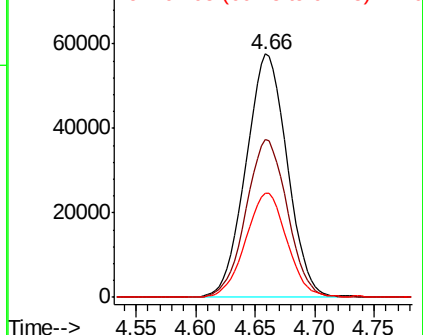
#29
 1,1,1-Trichloroethane
 Concen: 4.928 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006806.D
 Acq: 02 Aug 2018 14:00

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	97	Resp	138670
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.8	77.8
61	43.0	34.8	52.2

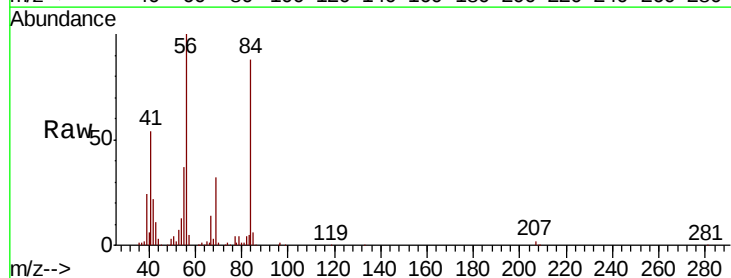


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

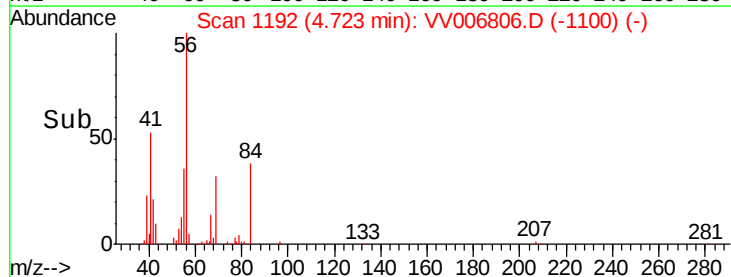
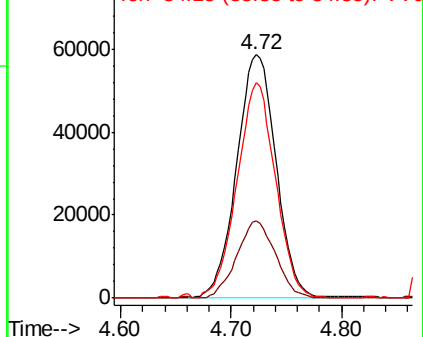


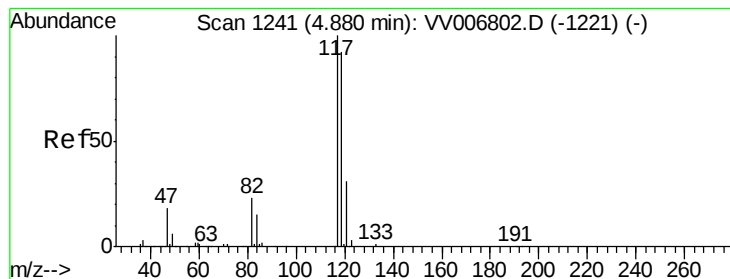
#30
 Cyclohexane
 Concen: 4.986 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV006806.D
 Acq: 02 Aug 2018 14:00

Tgt Ion	56	Resp	145324
Ion Ratio	Lower	Upper	
56	100		
69	31.2	24.4	36.6
84	86.3	69.4	104.2



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.848 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

Instrument :

MSVOA_V

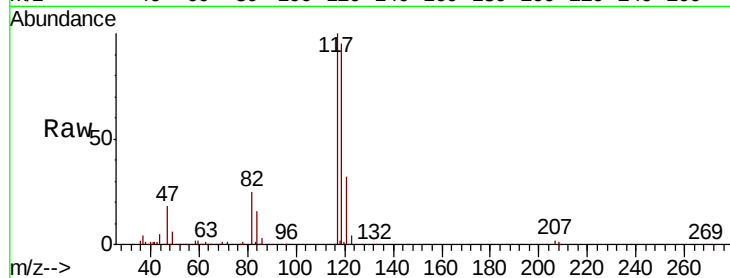
ClientSampled :

Tot Ion:117 Resp: 112332

Ion Ratio Lower Upper

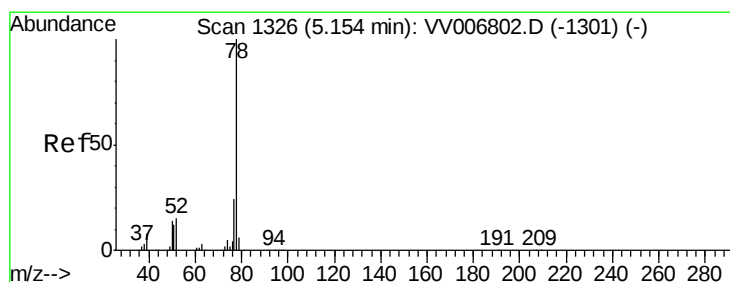
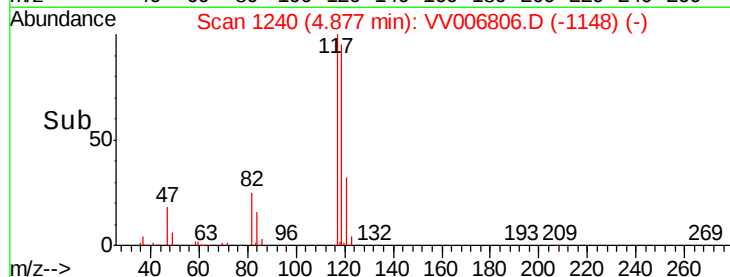
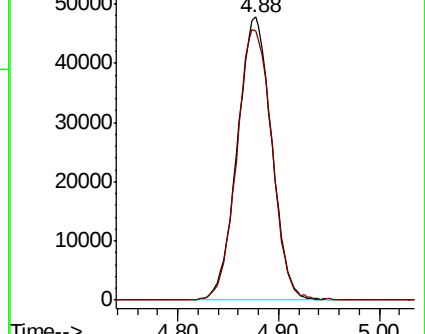
117 100

119 97.9 75.1 112.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.960 ug/L

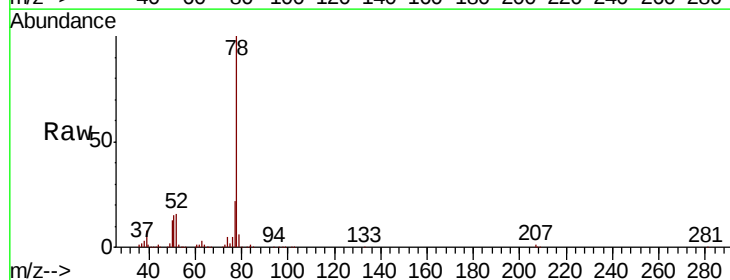
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

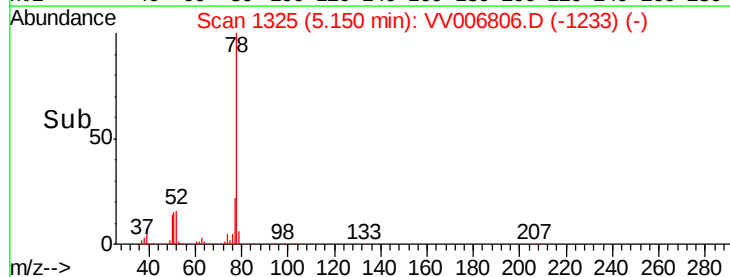
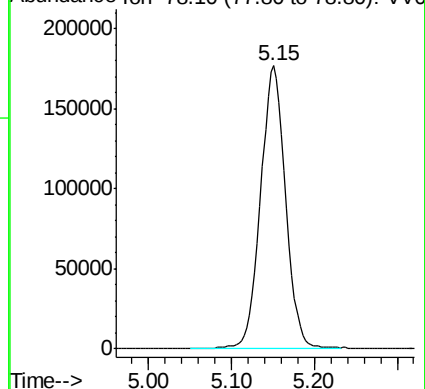
Lab File: VV006806.D

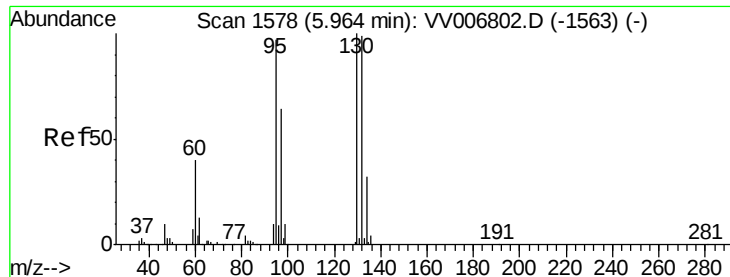
Acq: 02 Aug 2018 14:00

Tgt Ion: 78 Resp: 369961



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.825 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 91602

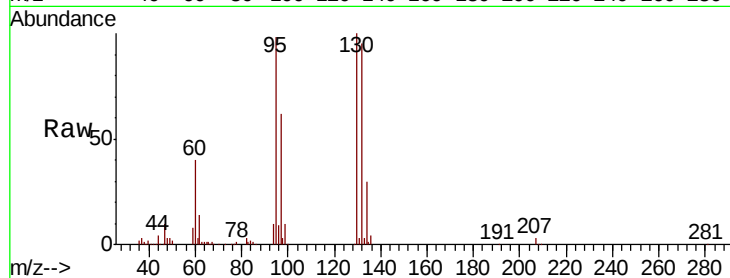
Ion Ratio Lower Upper

95 100

97 63.8 46.3 86.1

132 97.6 72.0 133.6

130 102.5 72.4 134.4



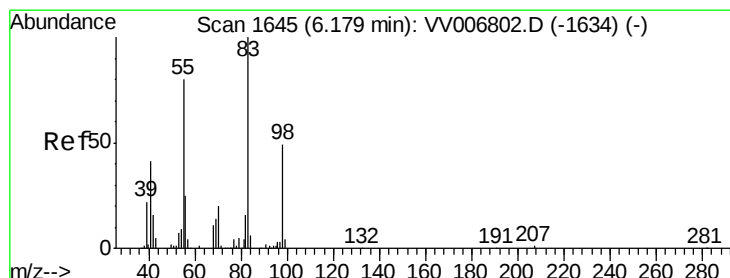
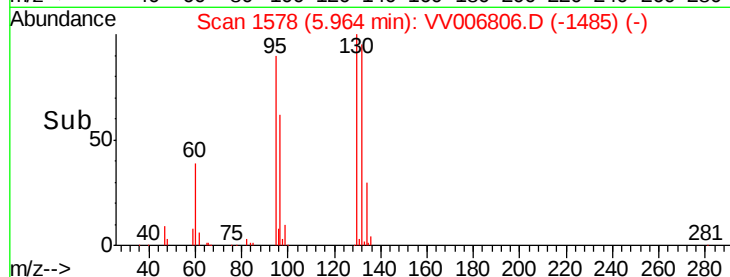
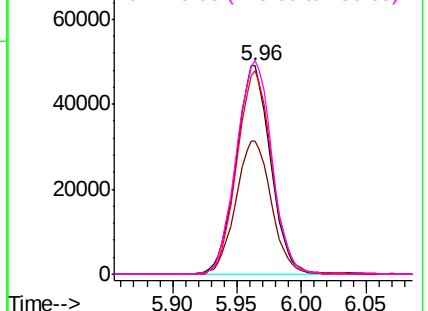
Abundance

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: 4.928 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

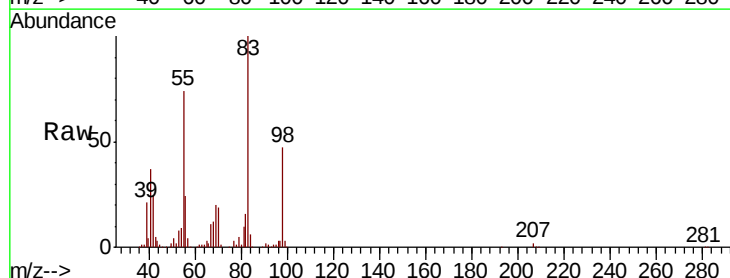
Tgt Ion: 83 Resp: 148555

Ion Ratio Lower Upper

83 100

55 76.4 61.8 92.6

98 49.7 37.2 55.8

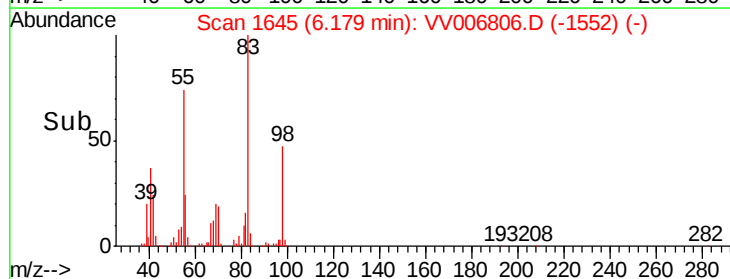
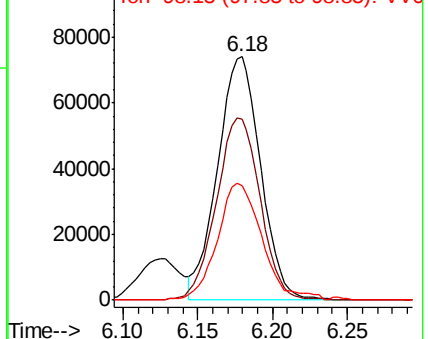


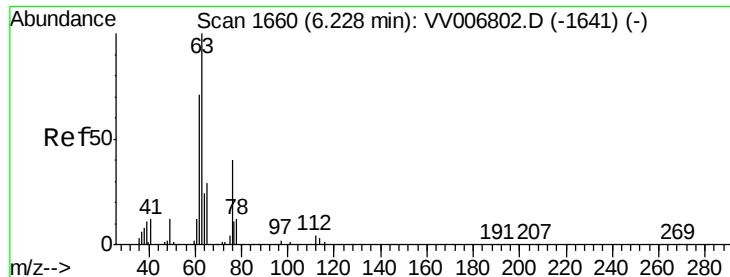
Abundance

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: 4.863 ug/L

RT: 6.22 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

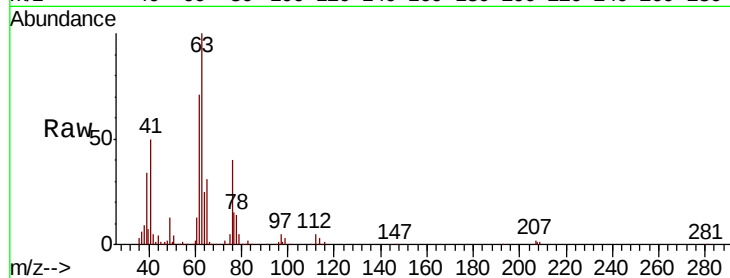
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 95109

Ion Ratio Lower Upper

63 100

112 5.0 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VV006802.D (-1641) (-)

Ion 112.10 (111.80 to 112.80): VV006802.D (-1641) (-)

6.22

50000

40000

30000

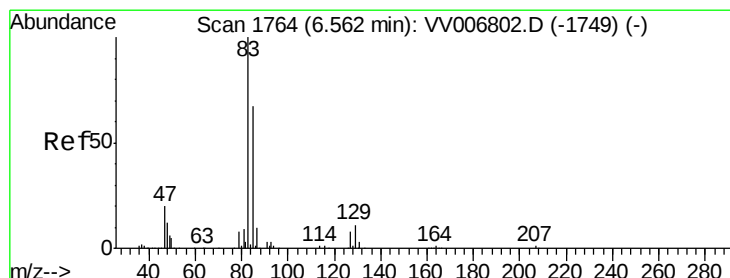
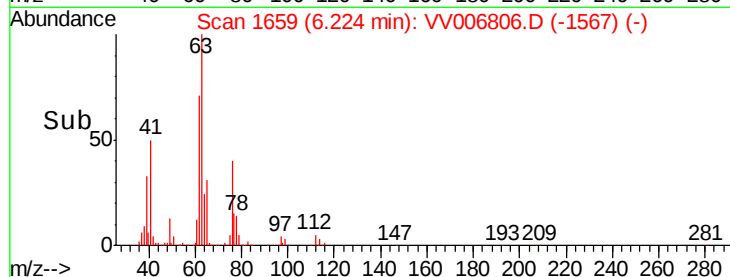
20000

10000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 4.981 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

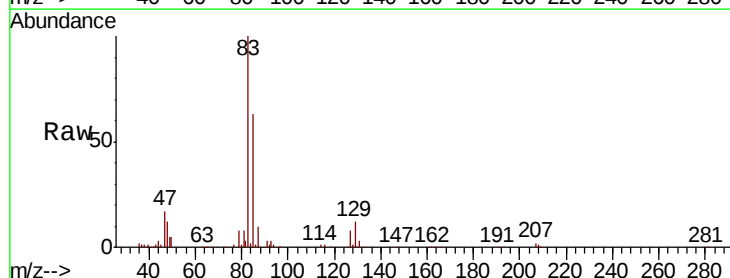
Tgt Ion: 83 Resp: 110888

Ion Ratio Lower Upper

83 100

85 63.4 46.7 86.7

127 8.4 6.4 9.6



Abundance Ion 82.95 (82.65 to 83.65): VV006802.D (-1749) (-)

Ion 85.00 (84.70 to 85.70): VV006802.D (-1749) (-)

Ion 126.90 (126.60 to 127.60): VV006802.D (-1749) (-)

6.56

80000

60000

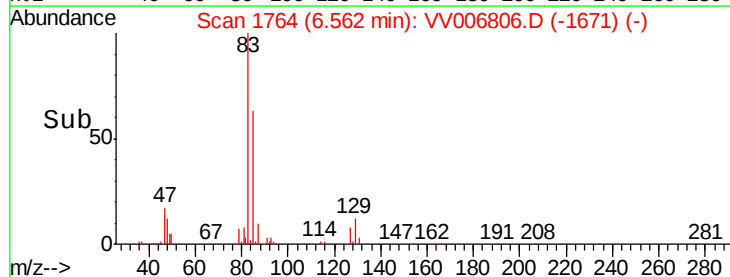
40000

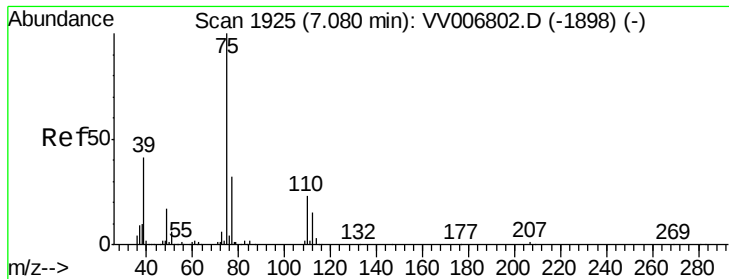
20000

0

6.50 6.55 6.60 6.65

Time-->



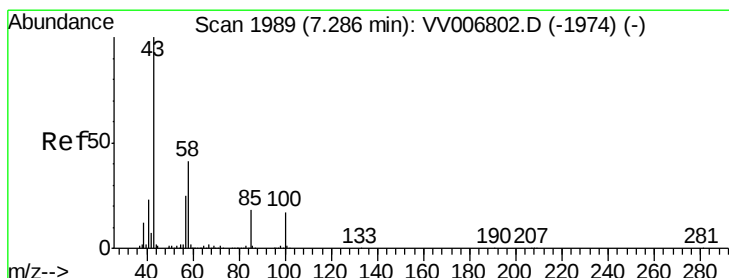
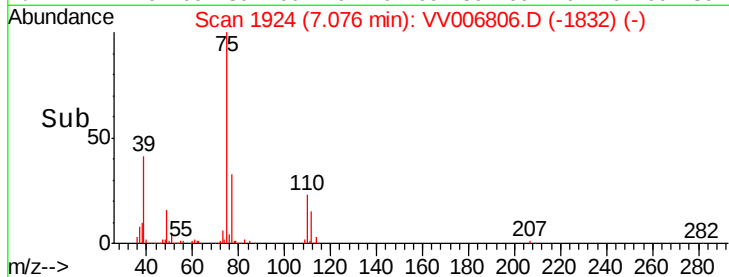
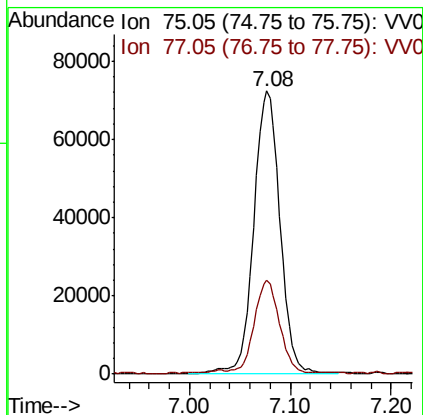
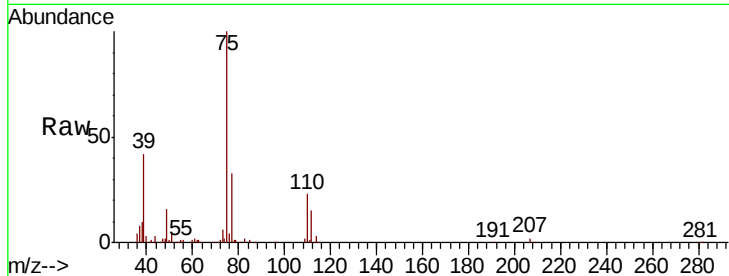


#39

cis-1,3-Dichloropropene
 Concen: 5.162 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006806.D
 Acq: 02 Aug 2018 14:00

Instrument :
 MSVOA_V
 ClientSampleId :

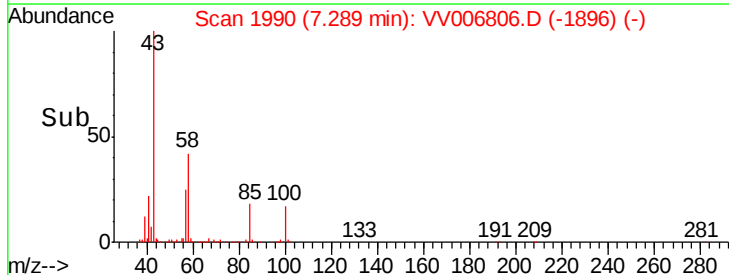
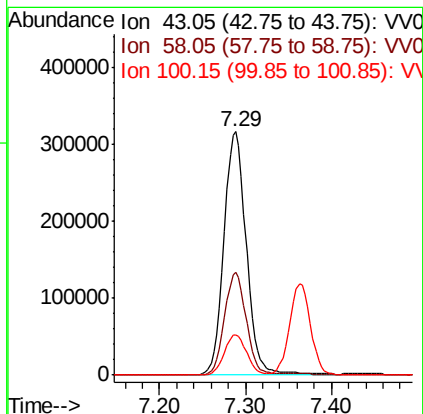
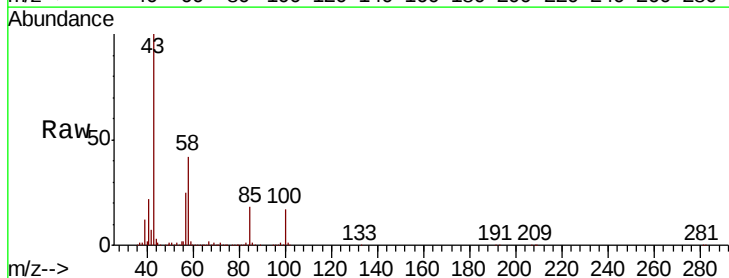
Tot Ion: 75 Resp: 130378
 Ion Ratio Lower Upper
 75 100
 77 33.4 22.5 41.9

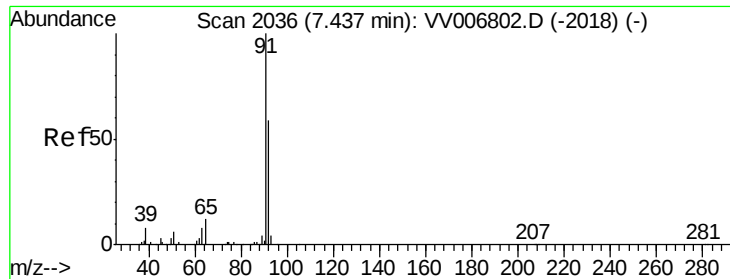


#40

4-Methyl-2-pentanone
 Concen: 52.989 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV006806.D
 Acq: 02 Aug 2018 14:00

Tgt Ion: 43 Resp: 573566
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.6 48.8
 100 16.5 13.1 19.7





#42

Toluene

Concen: 5.023 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

Instrument :

MSVOA_V

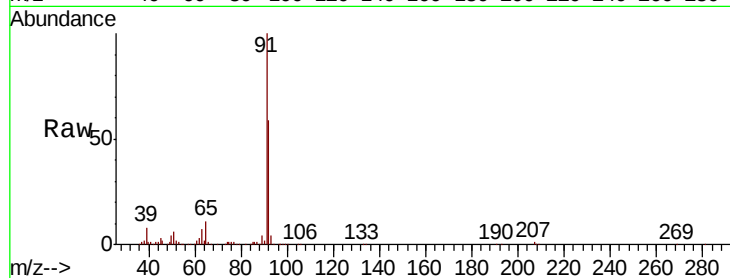
ClientSampleId :

Tot Ion: 91 Resp: 368588

Ion Ratio Lower Upper

91 100

92 59.4 41.4 77.0



Abundance Ion 91.15 (90.85 to 91.85): VV006806.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV006806.D (-1943) (-)

7.44

250000

200000

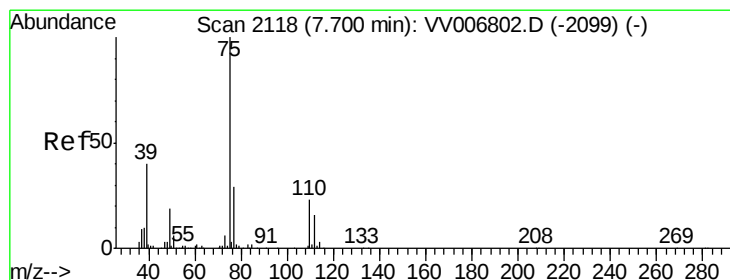
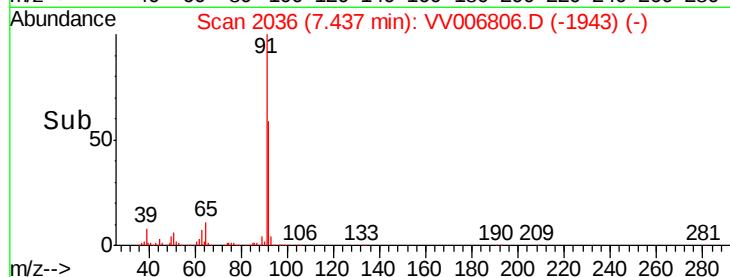
150000

100000

50000

0

Time--> 7.35 7.40 7.45 7.50 7.55



#44

trans-1,3-Dichloropropene

Concen: 4.943 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006806.D

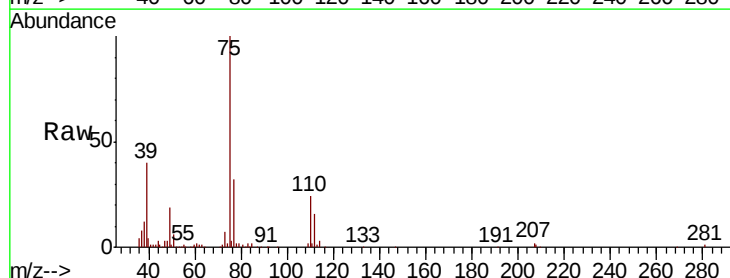
Acq: 02 Aug 2018 14:00

Tgt Ion: 75 Resp: 102783

Ion Ratio Lower Upper

75 100

77 32.0 20.5 38.1



Abundance Ion 75.05 (74.75 to 75.75): VV006806.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV006806.D (-2025) (-)

7.70

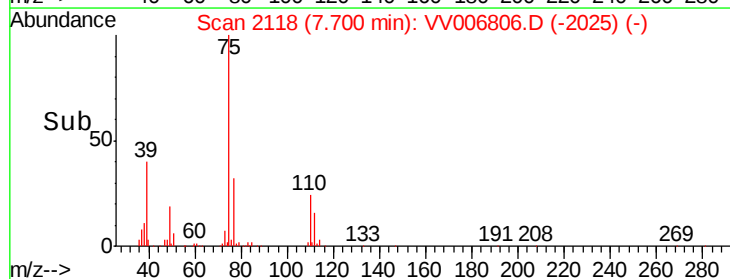
60000

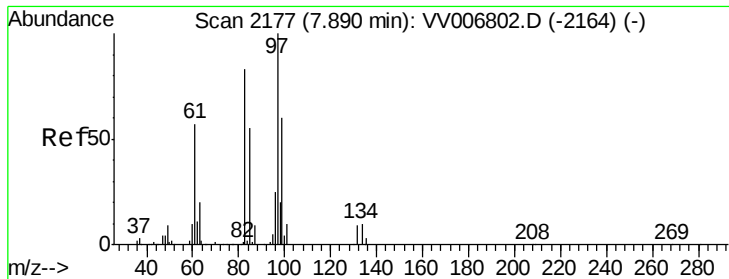
40000

20000

0

Time--> 7.60 7.65 7.70 7.75





#45

1,1,2-Trichloroethane

Concen: 4.973 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 70320

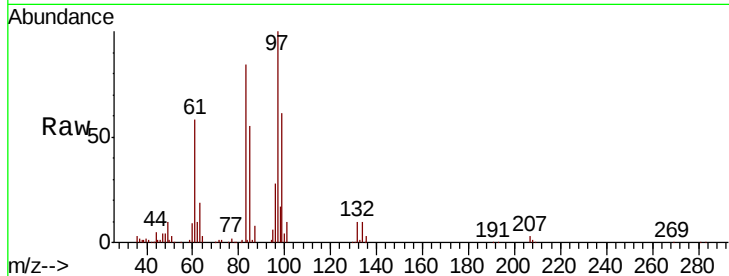
Ion Ratio Lower Upper

97 100

99 60.7 42.2 78.4

83 84.5 58.0 107.8

85 54.9 38.2 71.0

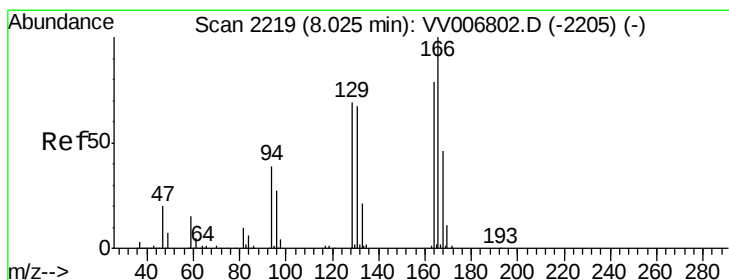
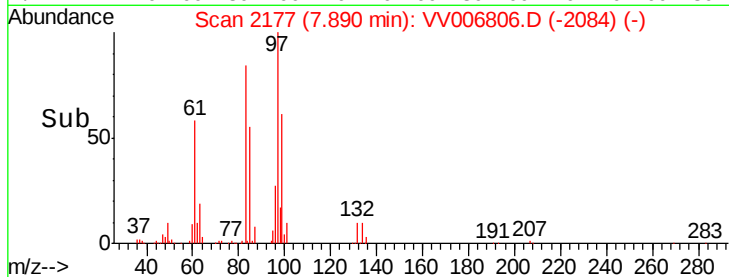
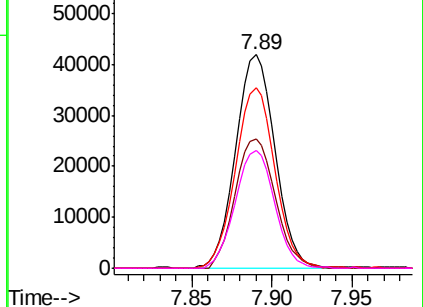


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 4.817 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

Tgt Ion:164 Resp: 72860

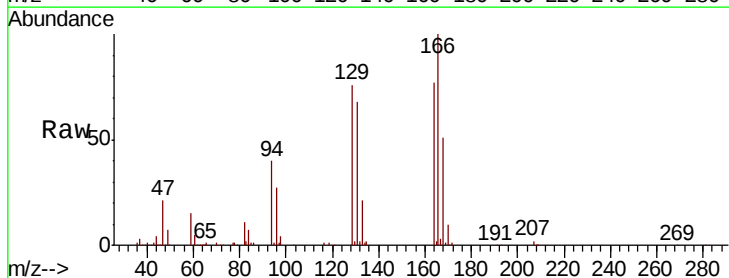
Ion Ratio Lower Upper

164 100

129 98.8 61.1 113.5

131 88.9 59.1 109.7

166 129.9 88.3 163.9

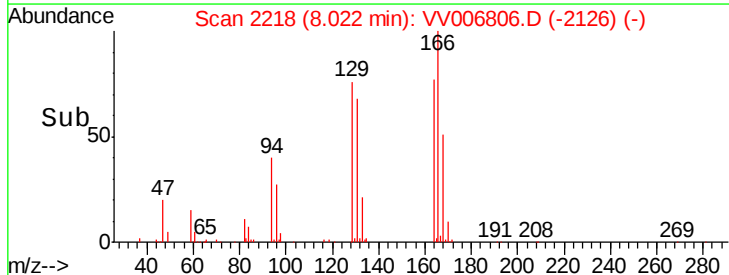
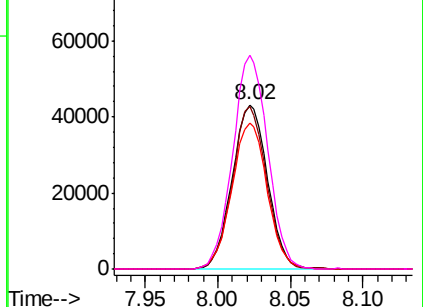


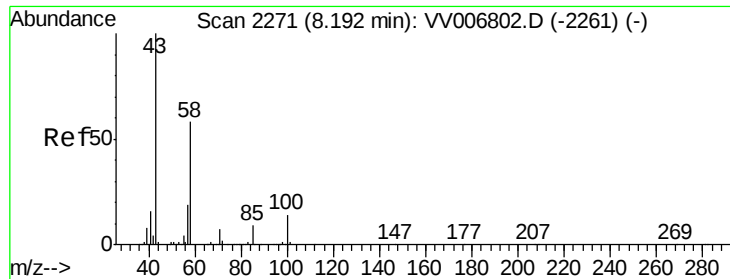
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

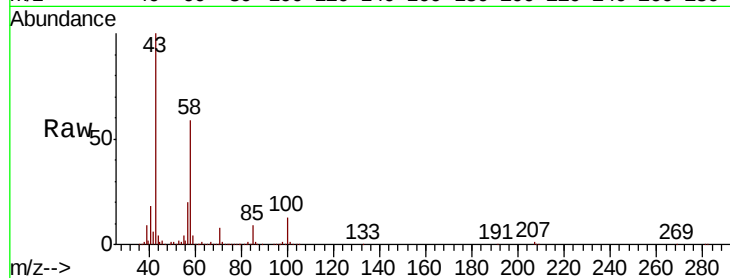




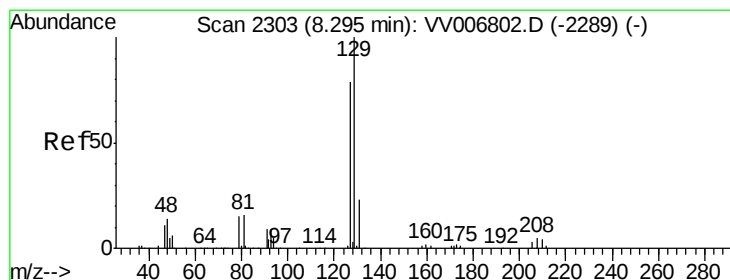
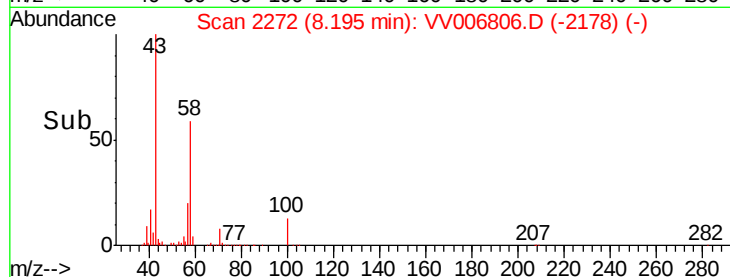
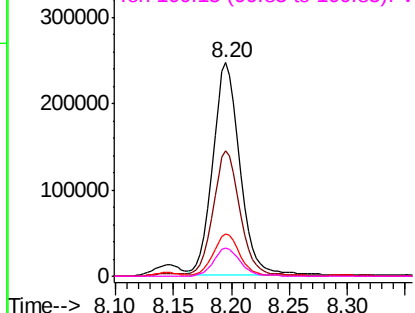
#48
2-Hexanone
Concen: 54.766 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006806.D
Acq: 02 Aug 2018 14:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	402236
Ion	Ratio	Lower	Upper
43	100		
58	59.1	45.4	68.0
57	18.8	15.4	23.2
100	13.0	10.6	16.0

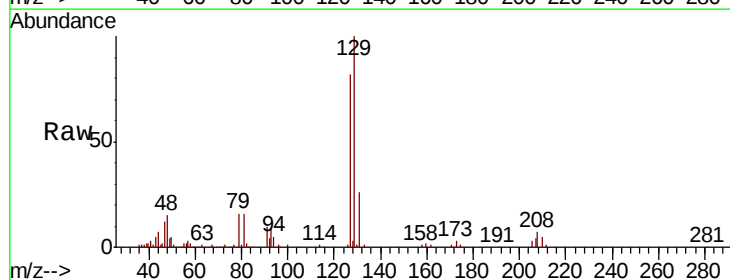


Abundance Ion 43.05 (42.75 to 43.75): VV006806.D (-2178) (-)
Ion 58.05 (57.75 to 58.75): VV006806.D (-2178) (-)
Ion 57.20 (56.90 to 57.90): VV006806.D (-2178) (-)
Ion 100.15 (99.85 to 100.85): VV006806.D (-2178) (-)

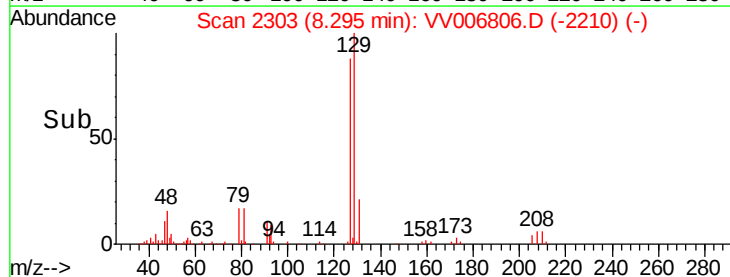
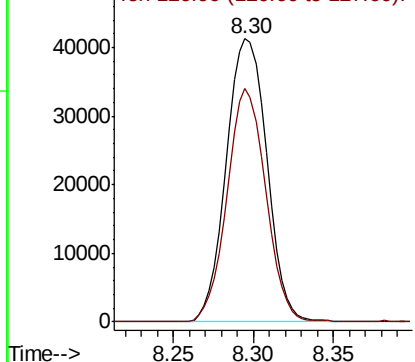


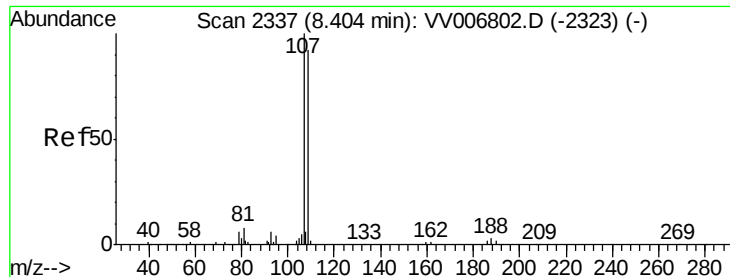
#49
Dibromochloromethane
Concen: 4.997 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006806.D
Acq: 02 Aug 2018 14:00

Tgt Ion:	129	Resp:	71434
Ion	Ratio	Lower	Upper
129	100		
127	82.4	55.2	102.4



Abundance Ion 128.95 (128.65 to 129.65): VV006806.D (-2210) (-)
Ion 126.90 (126.60 to 127.60): VV006806.D (-2210) (-)





#50

1,2-Dibromoethane

Concen: 5.100 ug/L

RT: 8.40 min Scan# 2336

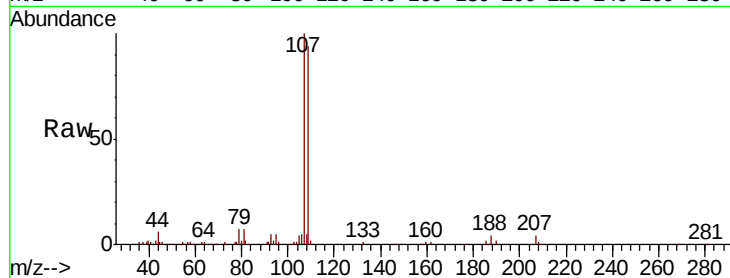
Delta R.T. -0.00 min

Lab File: VV006806.D

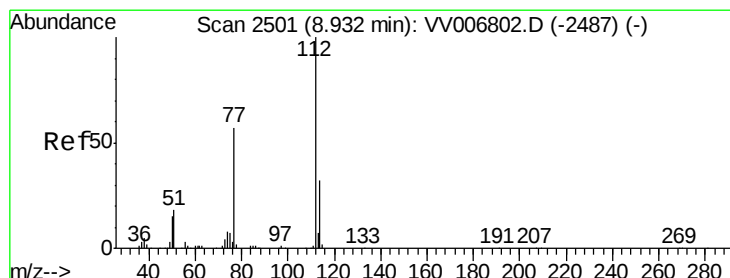
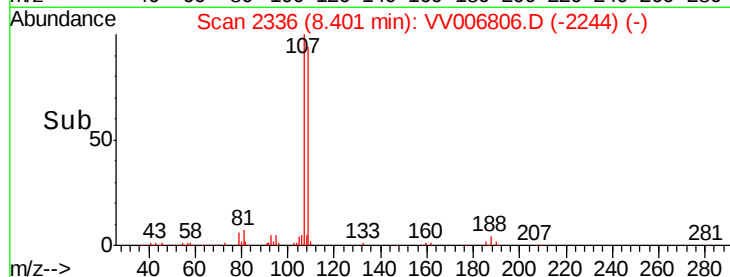
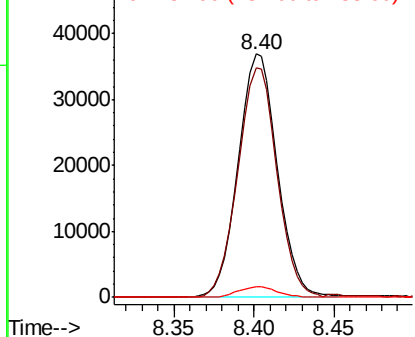
Acq: 02 Aug 2018 14:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	61462
Ion	Ratio	Lower	Upper
107	100		
109	94.3	64.0	119.0
188	4.4	2.8	4.2#



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.971 ug/L

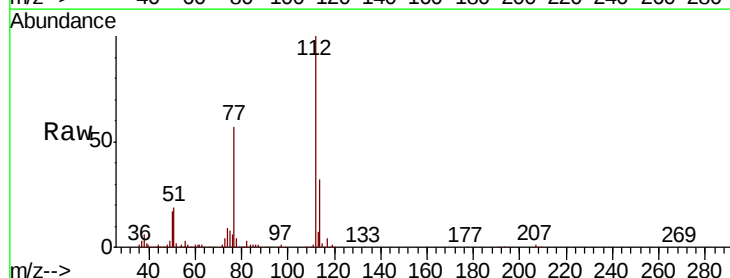
RT: 8.93 min Scan# 2500

Delta R.T. -0.00 min

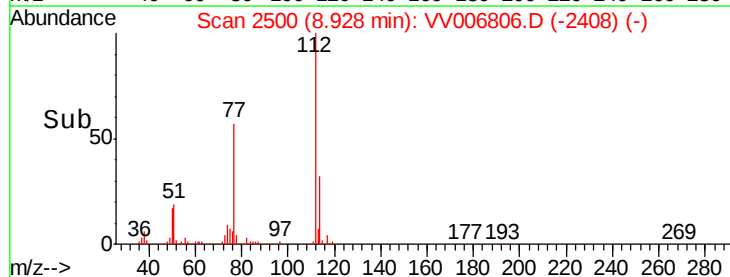
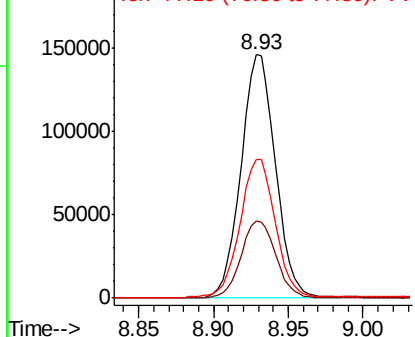
Lab File: VV006806.D

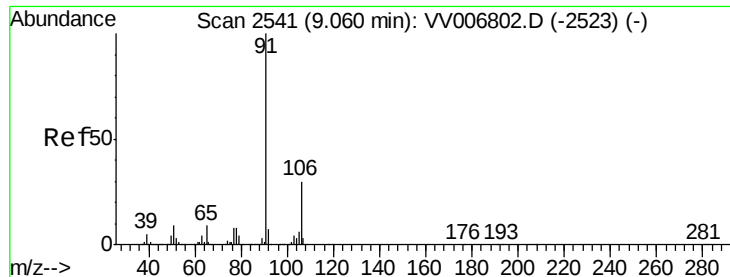
Acq: 02 Aug 2018 14:00

Tgt Ion:	112	Resp:	234794
Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.3	41.5
77	57.1	46.3	69.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.909 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

Instrument :

MSVOA_V

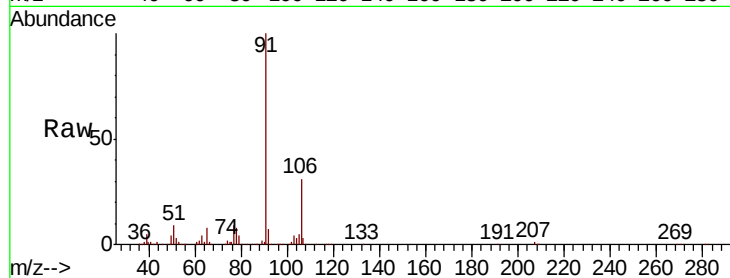
ClientSampleId :

Tot Ion: 91 Resp: 376260

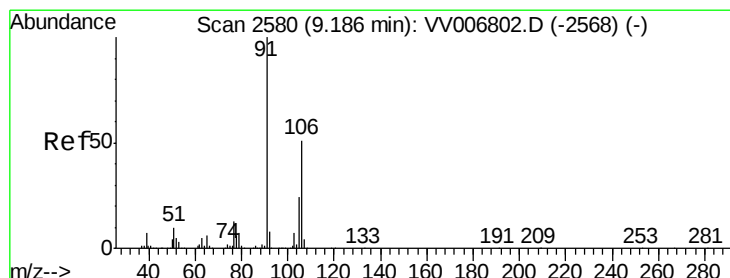
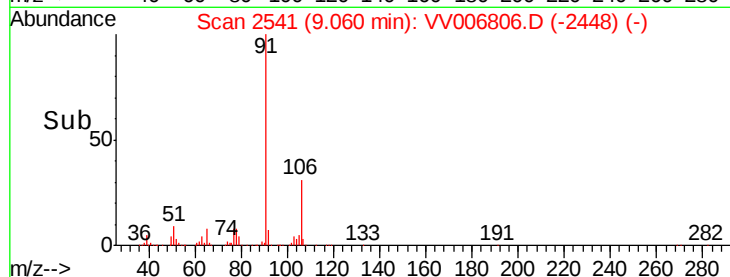
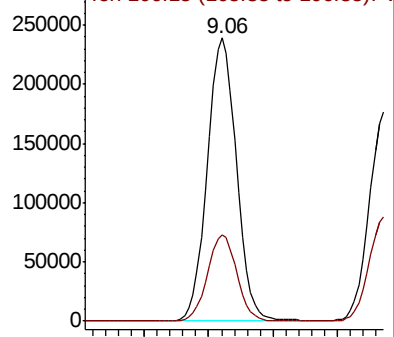
Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV006806.D (-2448) (-)



#53

m,p-xylene

Concen: 5.003 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006806.D

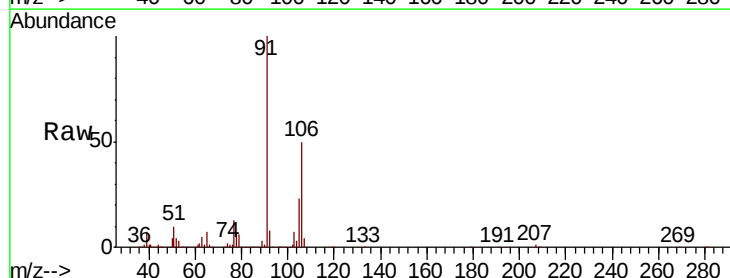
Acq: 02 Aug 2018 14:00

Tgt Ion: 106 Resp: 142350

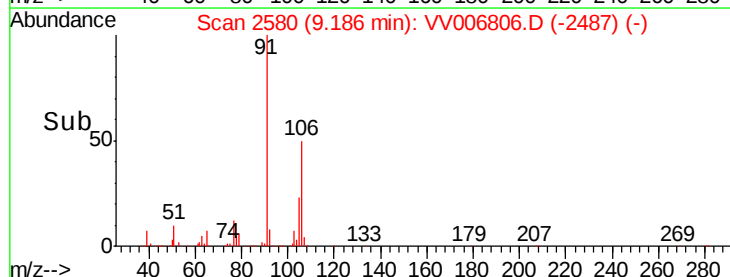
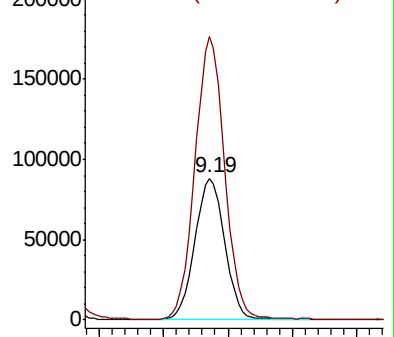
Ion Ratio Lower Upper

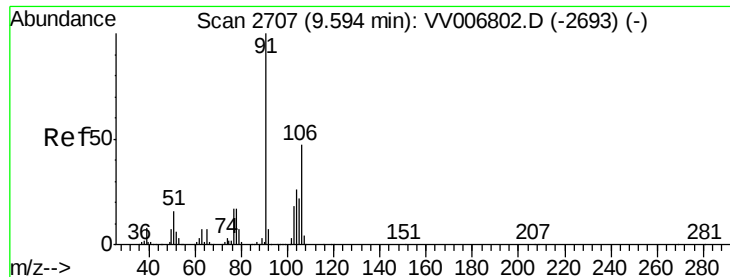
106 100

91 200.1 137.4 255.2



Abundance Ion 106.15 (105.85 to 106.85): VV006806.D (-2487) (-)





#54

o-xylene

Concen: 4.659 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

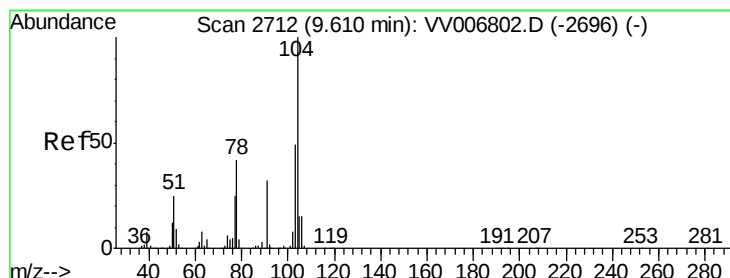
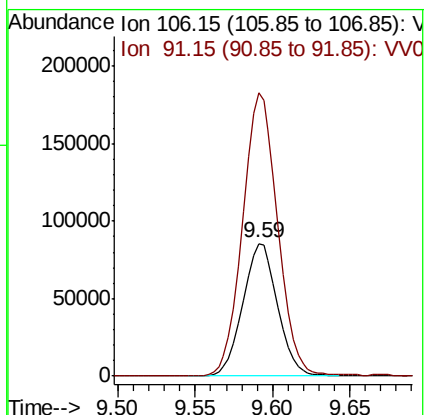
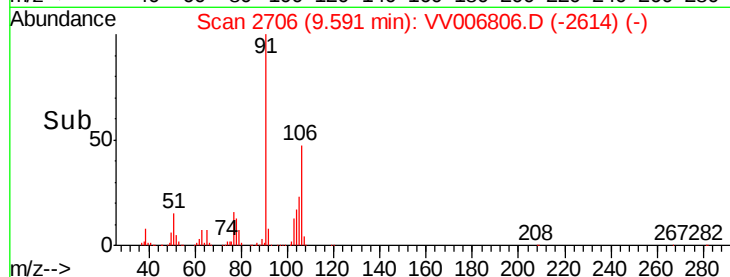
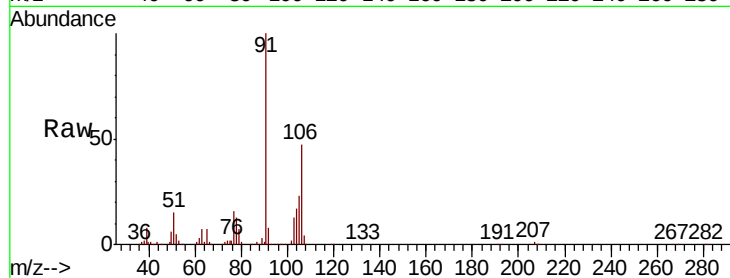
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 133759

Ion Ratio Lower Upper

106 100

91 213.1 150.1 278.9



#55

Styrene

Concen: 4.858 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV006806.D

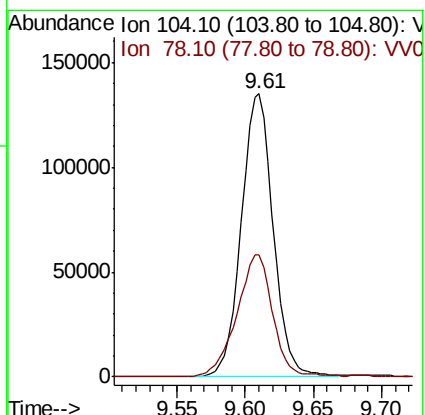
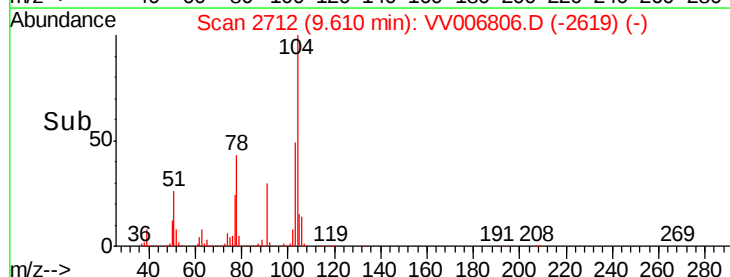
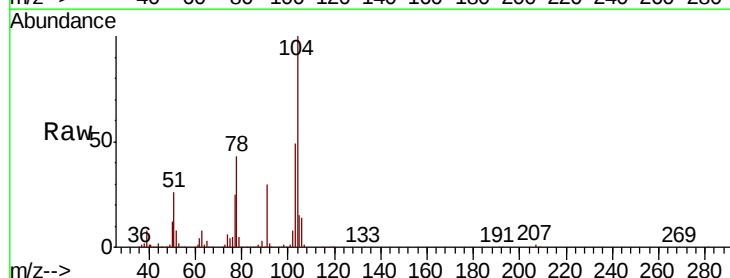
Acq: 02 Aug 2018 14:00

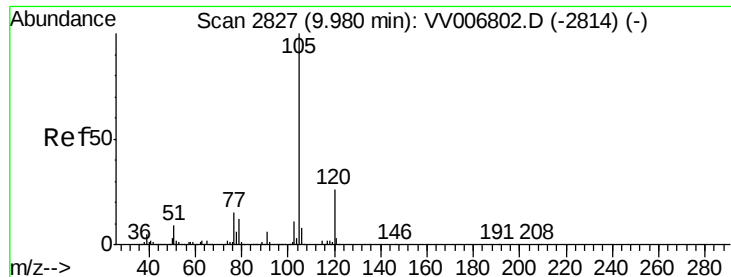
Tgt Ion:104 Resp: 219186

Ion Ratio Lower Upper

104 100

78 43.1 29.6 55.0





#56

Isopropylbenzene

Concen: 4.947 ug/L

RT: 9.98 min Scan# 2827

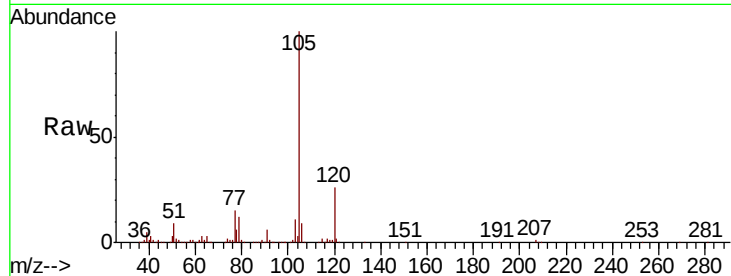
Delta R.T. -0.00 min

Lab File: VV006806.D

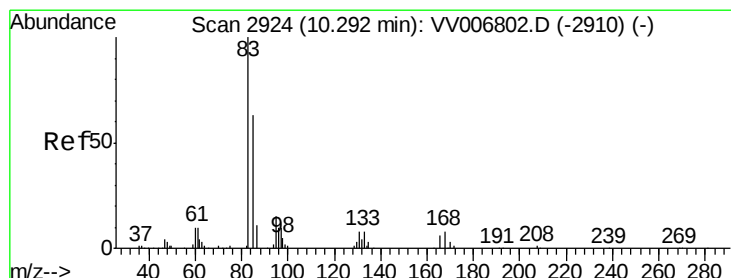
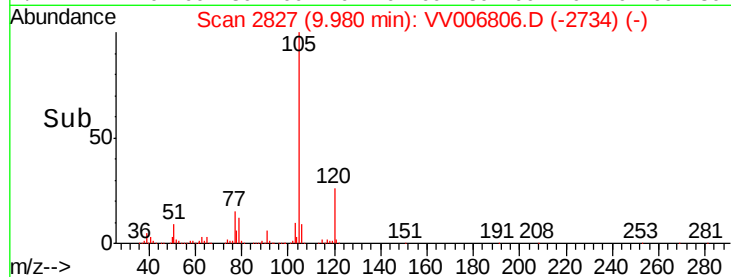
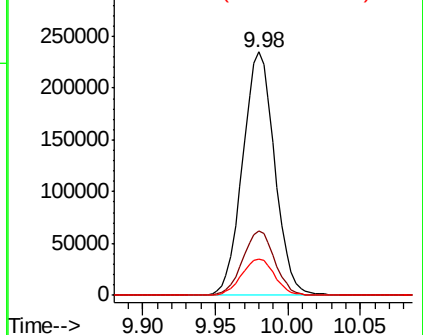
Acq: 02 Aug 2018 14:00

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	105	Resp:	361345
Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.1	31.7
77	14.9	12.0	18.0



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.137 ug/L

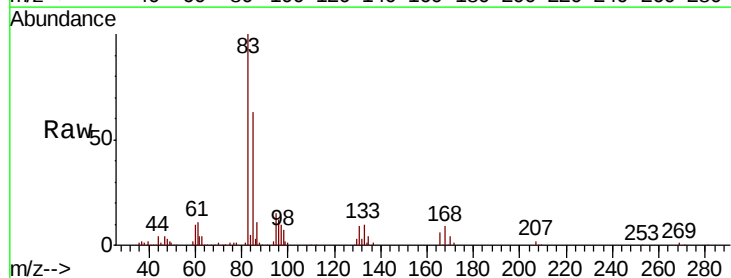
RT: 10.29 min Scan# 2925

Delta R.T. 0.00 min

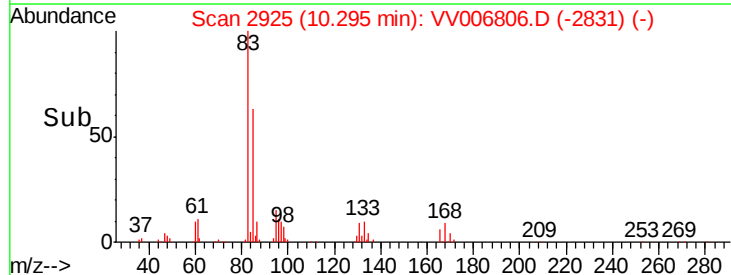
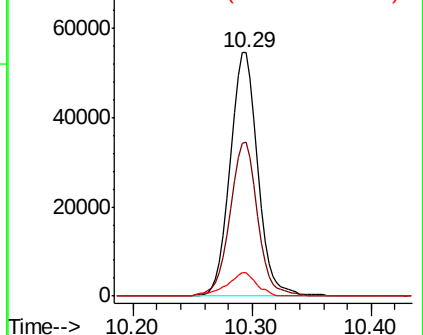
Lab File: VV006806.D

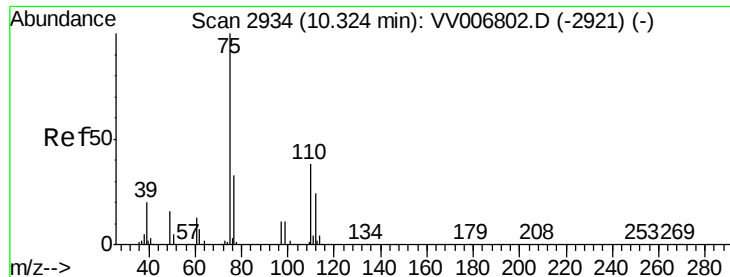
Acq: 02 Aug 2018 14:00

Tgt Ion:	83	Resp:	87904
Ion	Ratio	Lower	Upper
83	100		
85	63.0	44.1	81.9
131	9.5	6.6	9.8



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.189 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

Instrument :

MSVOA_V

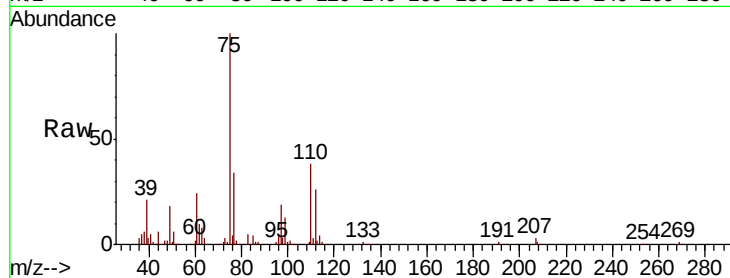
ClientSampleId :

Tot Ion: 75 Resp: 62407

Ion Ratio Lower Upper

75 100

77 32.7 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV006802.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV006802.D (-2921) (-)

10.32

40000

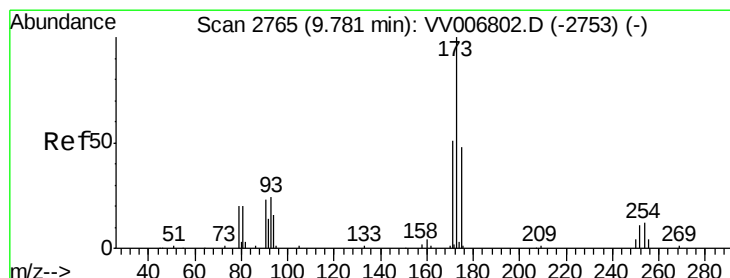
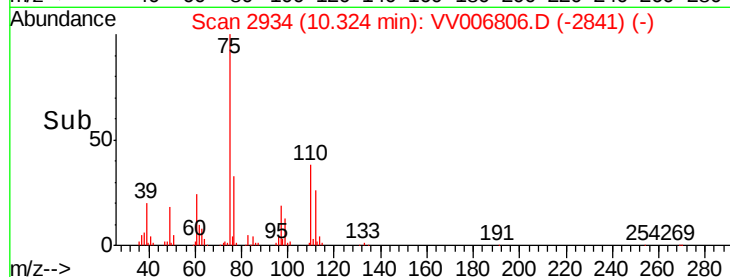
30000

20000

10000

0

Time--> 10.25 10.30 10.35



#61

Bromoform

Concen: 5.149 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

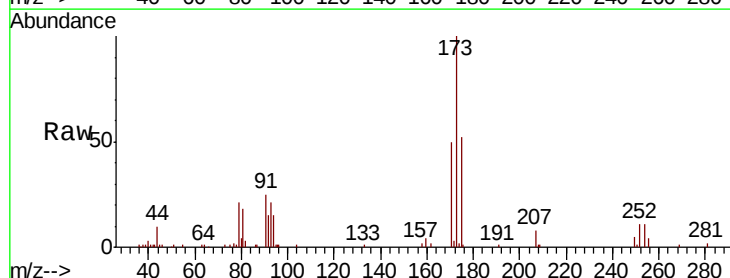
Tgt Ion: 173 Resp: 38765

Ion Ratio Lower Upper

173 100

175 49.3 39.3 58.9

254 11.1 9.7 14.5



Abundance Ion 172.90 (172.60 to 173.60): VV006802.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006802.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006802.D (-2753) (-)

9.78

30000

25000

20000

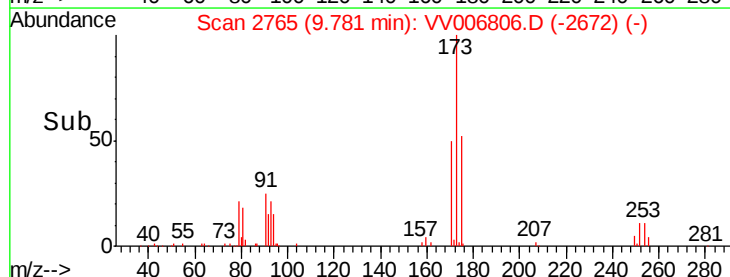
15000

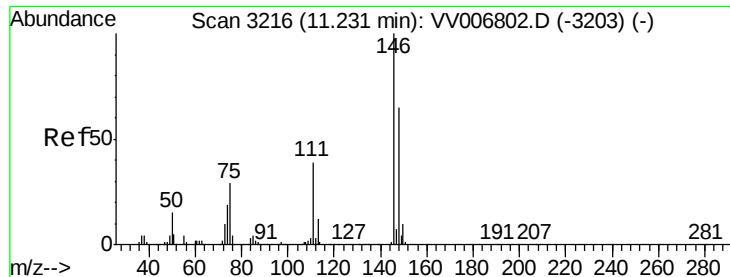
10000

5000

0

Time--> 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 4.818 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006806.D

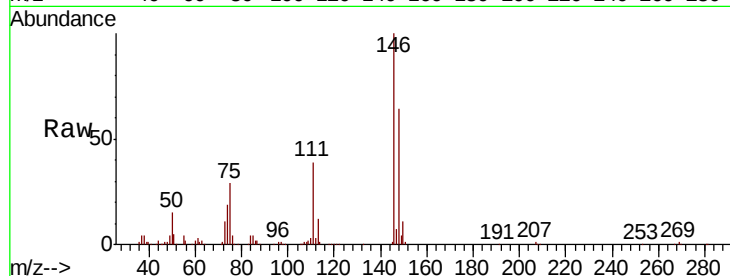
Acq: 02 Aug 2018 14:00

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	168352
Ion Ratio	Lower	Upper
146	100	
111	38.9	27.3 50.7
148	63.8	45.1 83.9

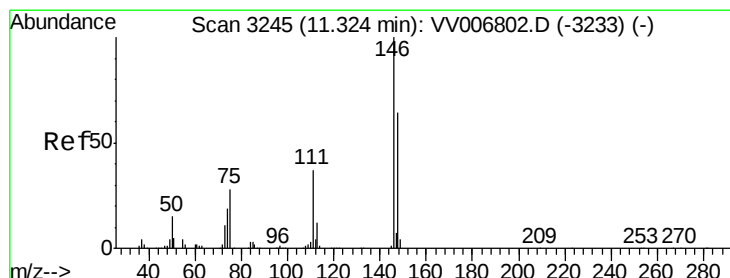
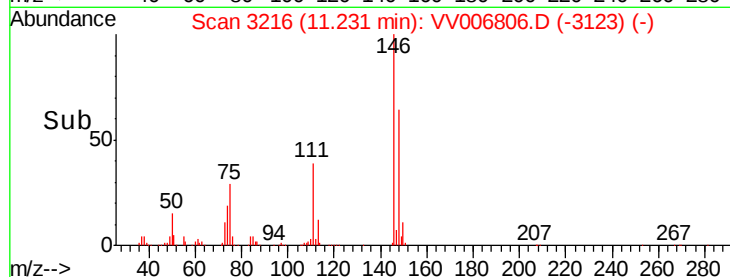
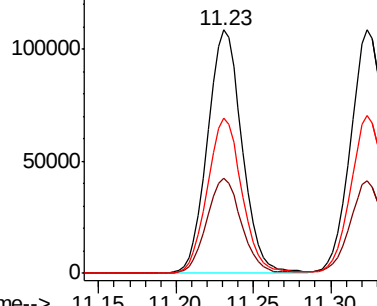


Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.799 ug/L

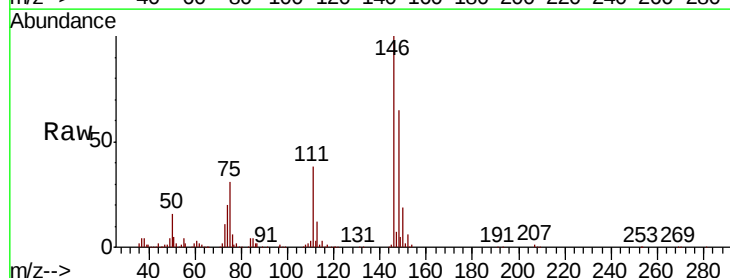
RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

Tgt Ion:146	Resp:	165896
Ion Ratio	Lower	Upper
146	100	
111	37.9	26.2 48.8
148	64.8	44.9 83.3

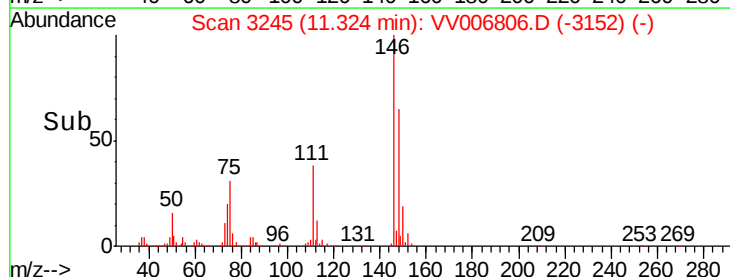
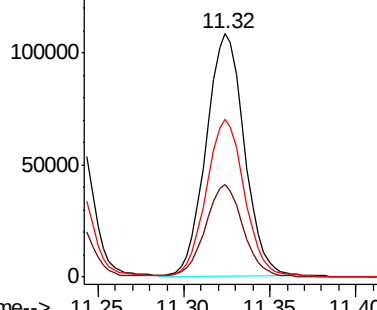


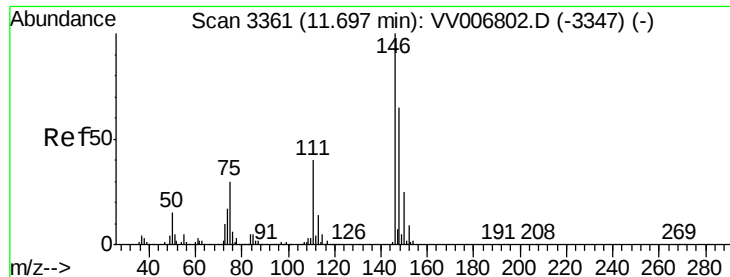
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

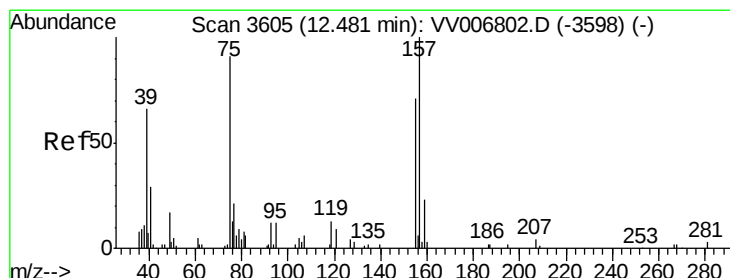
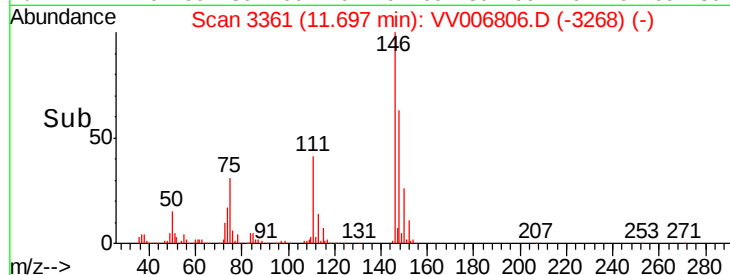
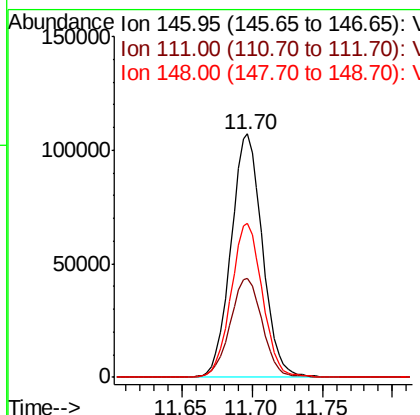
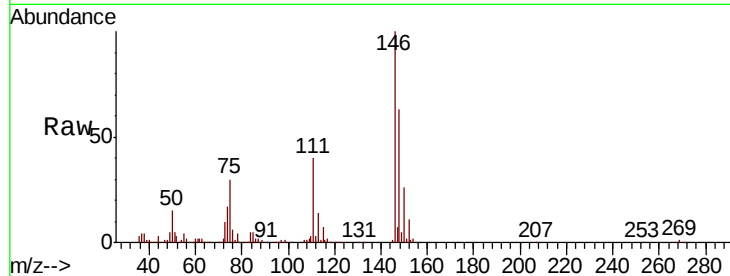




#65
 1,2-Dichlorobenzene
 Concen: 4.854 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV006806.D
 Acq: 02 Aug 2018 14:00

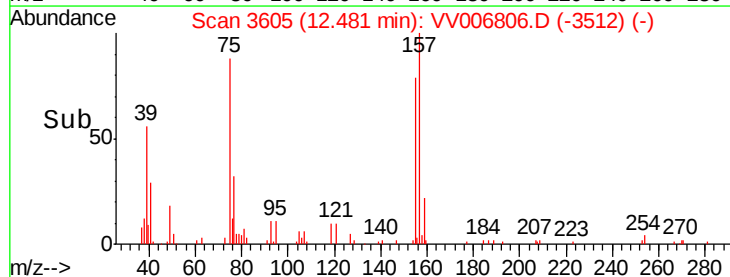
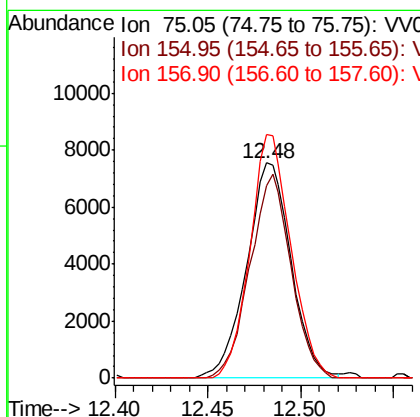
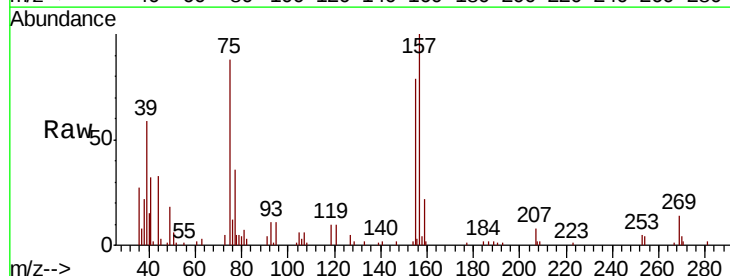
Instrument :
 MSVOA_V
 ClientSampled :

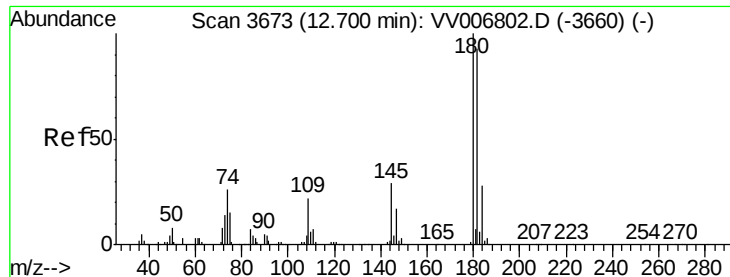
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	31.8	47.6
148	63.4	52.3	78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.273 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV006806.D
 Acq: 02 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	61.8	92.8
157	113.1	86.6	129.8

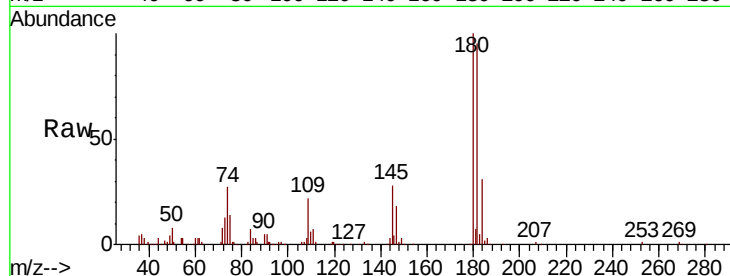




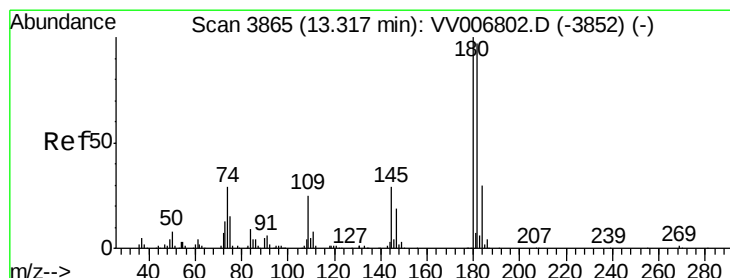
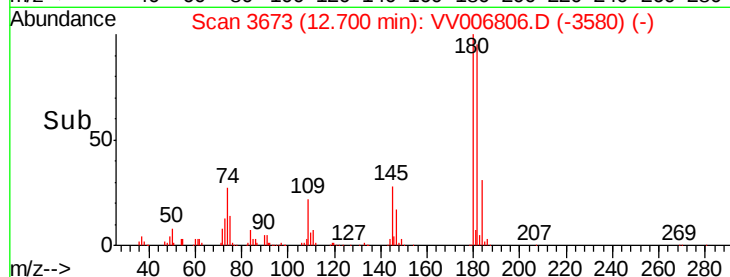
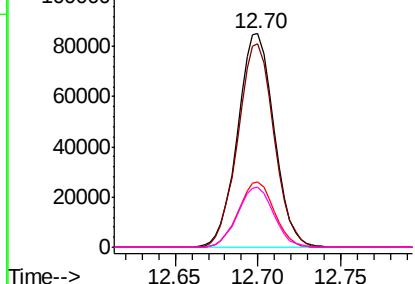
#67
 1,3,5-Trichlorobenzene
 Concen: 4.838 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006806.D
 Acq: 02 Aug 2018 14:00

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	130039
Ion Ratio	Lower	Upper
180	100	
182	94.9	74.6 112.0
184	30.2	22.7 34.1
145	27.9	22.9 34.3

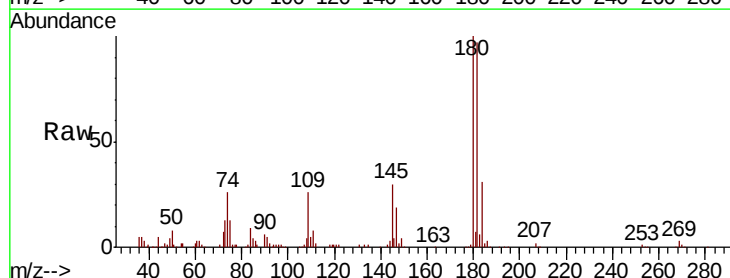


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

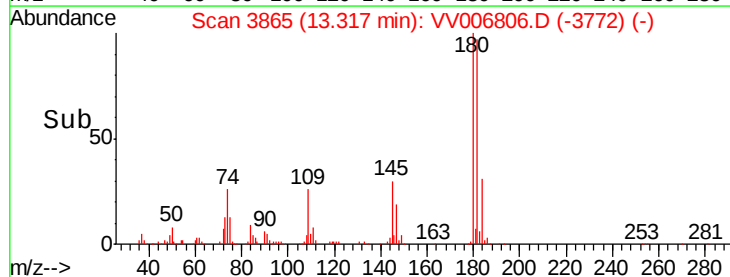
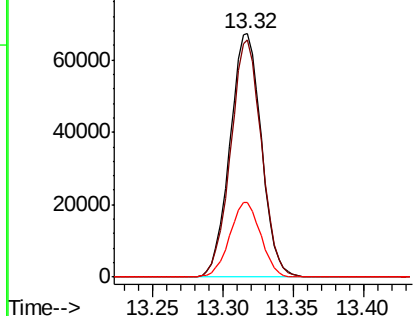


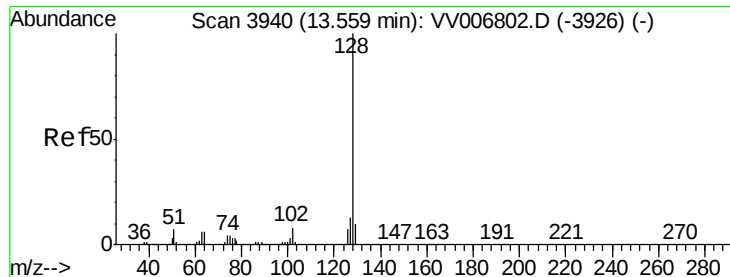
#68
 1,2,4-trichlorobenzene
 Concen: 5.025 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006806.D
 Acq: 02 Aug 2018 14:00

Tgt Ion:180	Resp:	104906
Ion Ratio	Lower	Upper
180	100	
182	95.7	77.0 115.6
145	30.3	23.4 35.2



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





#69

Naphthalene

Concen: 5.285 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

Instrument :

MSVOA_V

ClientSampleId :

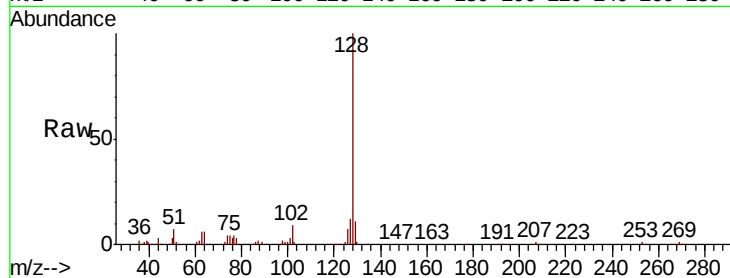
Tot Ion:128 Resp: 192329

Ion Ratio Lower Upper

128 100

129 11.0 8.2 12.4

127 12.3 10.7 16.1

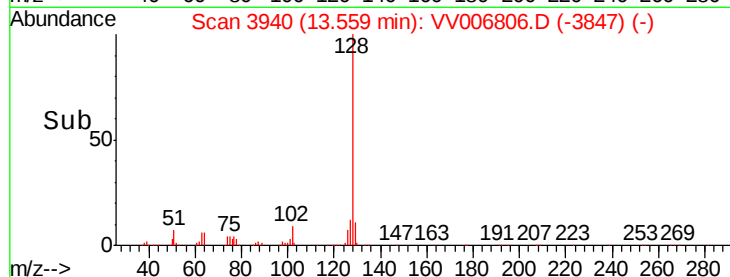


Abundance Ion 128.00 (127.70 to 128.70): V

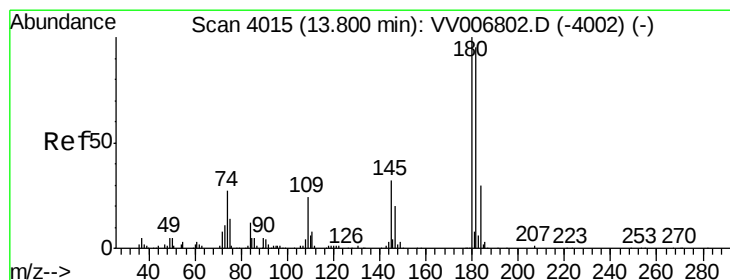
Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

13.56



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 5.093 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006806.D

Acq: 02 Aug 2018 14:00

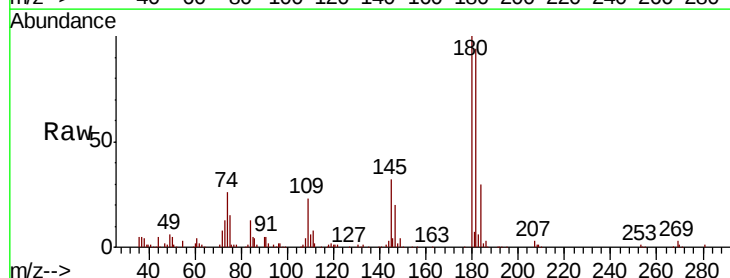
Tgt Ion:180 Resp: 102653

Ion Ratio Lower Upper

180 100

182 95.0 78.0 117.0

145 31.0 25.4 38.0

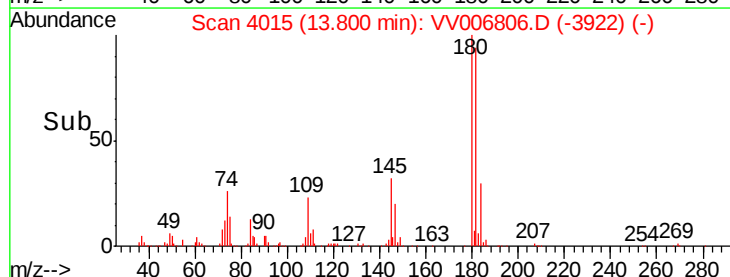


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

13.80



Time-->