

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080918\
 Data File : VV006953.D
 Acq On : 09 Aug 2018 15:47
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 10 02:29:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 10 02:25:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	248546	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	233306	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	108596	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82748	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.58	69	69985	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.13	63	151663	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.80%
20) 2-Butanone-d5	3.97	46	239525	51.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.82%
24) Chloroform-d	4.40	84	164974	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.09	65	83678	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.10	84	316530	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.12	67	107975	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.36	98	279580	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
43) trans-1,3-Dichloropropene-	7.67	79	36150	5.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.40%
46) 2-Hexanone-d5	8.14	63	147478	50.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.18%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	78549	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	95818	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	121673	5.027 ug/L	99
3) Chloromethane	1.25	50	117945	5.063 ug/L	99
5) Vinyl chloride	1.32	62	123098	5.114 ug/L	96
6) Bromomethane	1.54	94	28599	5.473 ug/L	98
8) Chloroethane	1.60	64	71598	4.902 ug/L	100
9) Trichlorofluoromethane	1.77	101	148115	4.835 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	91542	4.979 ug/L	99
12) 1,1-Dichloroethene	2.14	96	84207	4.718 ug/L	91
13) Acetone	2.21	43	103287	43.476 ug/L	99
14) Carbon disulfide	2.32	76	290643	4.933 ug/L	99
15) Methyl Acetate	2.47	43	30027	4.491 ug/L	95
16) Methylene chloride	2.54	84	93808	4.359 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	202373	4.729 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	95604	5.003 ug/L	100
19) 1,1-Dichloroethane	3.23	63	166197	4.817 ug/L	98
21) 2-Butanone	4.05	43	229865	44.563 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	101257	4.669 ug/L	99

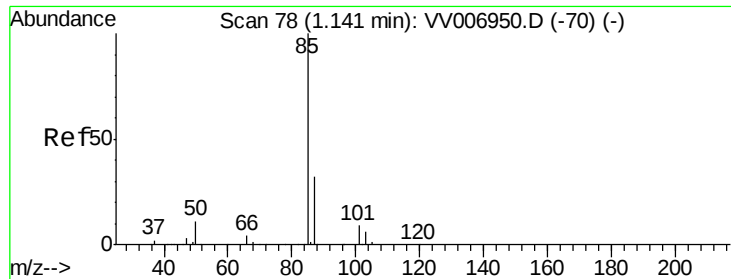
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080918\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 10 02:25:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	42052	4.757	ug/L	99
25) Chloroform	4.43	83	181167	4.799	ug/L	98
27) 1,2-Dichloroethane	5.19	62	109924	4.669	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	152818	4.912	ug/L	99
30) Cyclohexane	4.72	56	169892	5.247	ug/L	96
31) Carbon tetrachloride	4.87	117	129716	4.972	ug/L	99
33) Benzene	5.15	78	410045	5.073	ug/L	100
34) Trichloroethene	5.96	95	97352	5.023	ug/L	96
35) Methylcyclohexane	6.18	83	161285	5.184	ug/L	99
37) 1,2-Dichloropropane	6.23	63	110086	4.976	ug/L	99
38) Bromodichloromethane	6.56	83	120767	4.804	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	133686	5.002	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	590670	49.424	ug/L	100
42) Toluene	7.43	91	404143	5.203	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	111041	5.062	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	67672	4.702	ug/L	92
47) Tetrachloroethene	8.02	164	79358	5.050	ug/L	97
48) 2-Hexanone	8.20	43	429878	51.000	ug/L	98
49) Dibromochloromethane	8.30	129	73125	4.843	ug/L	95
50) 1,2-Dibromoethane	8.40	107	59994	4.935	ug/L	98
51) Chlorobenzene	8.93	112	249899	5.048	ug/L	97
52) Ethylbenzene	9.06	91	396877	5.117	ug/L	99
53) m,p-xylene	9.19	106	148584	5.139	ug/L	96
54) o-xylene	9.59	106	140109	5.114	ug/L	96
55) Styrene	9.61	104	247018	5.349	ug/L	99
56) Isopropylbenzene	9.98	105	373091	5.191	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	82988	4.744	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	59572	4.810	ug/L	98
61) Bromoform	9.78	173	38371	4.665	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	178238	5.072	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	181961	5.052	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	172117	4.979	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	10756	4.383	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	137991	5.189	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	99703	5.108	ug/L	99
69) Naphthalene	13.56	128	135657	4.840	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	96198	5.113	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.027 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

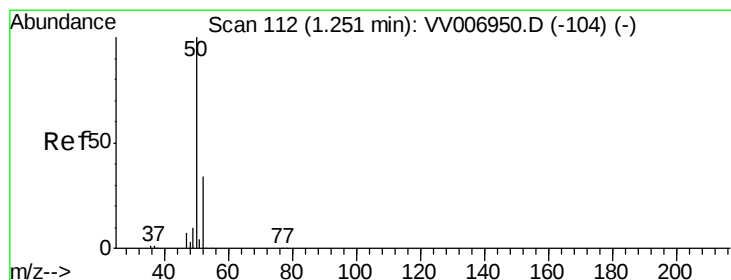
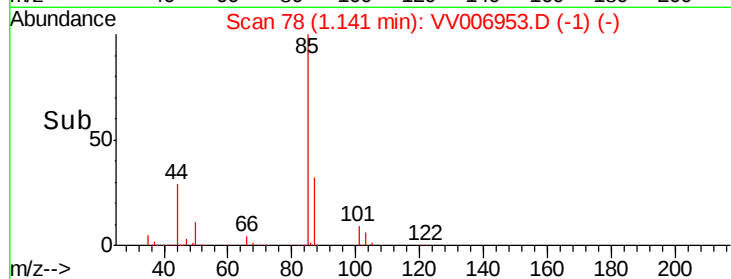
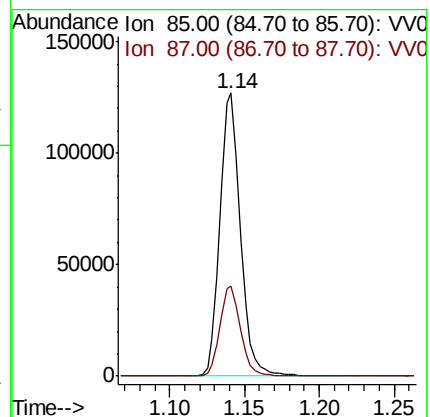
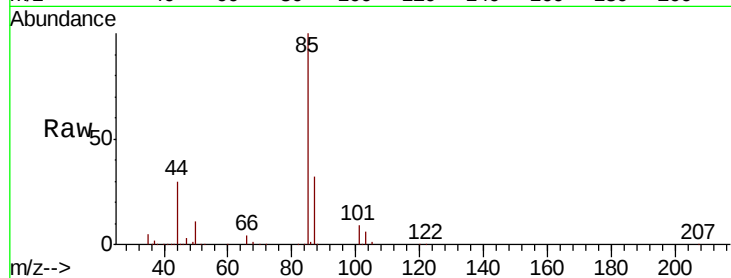
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 121673

Ion Ratio Lower Upper

85 100

87 32.2 25.4 38.2



#3

Chloromethane

Concen: 5.063 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV006953.D

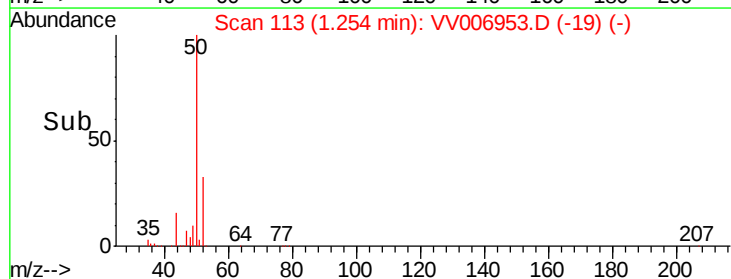
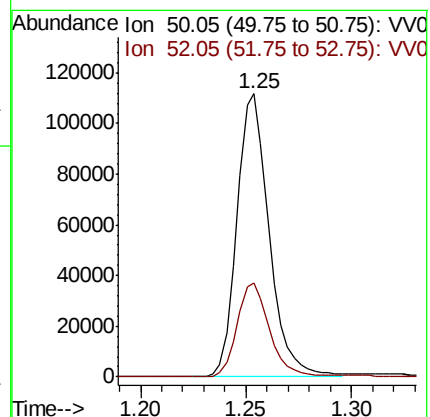
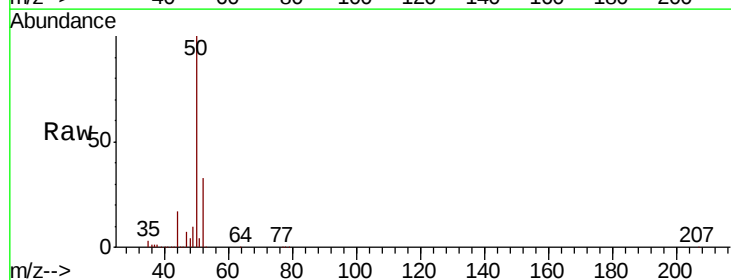
Acq: 09 Aug 2018 15:47

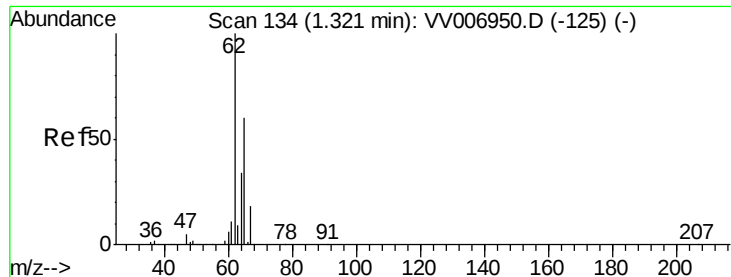
Tgt Ion: 50 Resp: 117945

Ion Ratio Lower Upper

50 100

52 33.3 23.6 43.8





#5

Vinyl chloride

Concen: 5.114 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

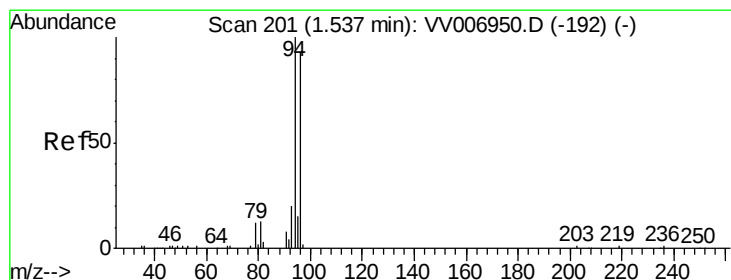
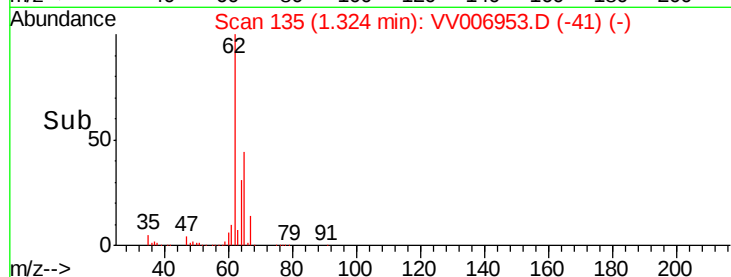
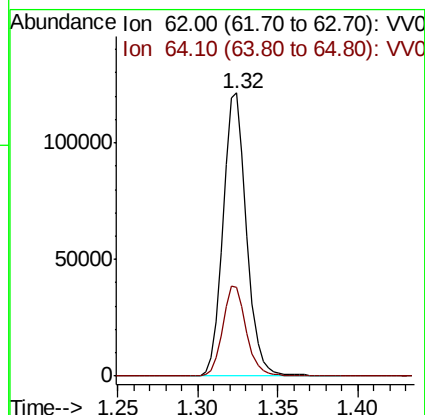
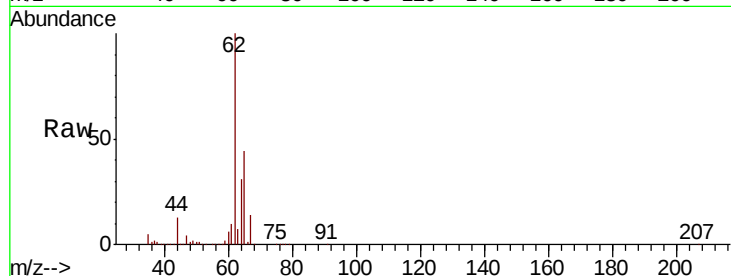
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 123098

Ion Ratio Lower Upper

62 100

64 31.5 23.5 43.7



#6

Bromomethane

Concen: 5.473 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV006953.D

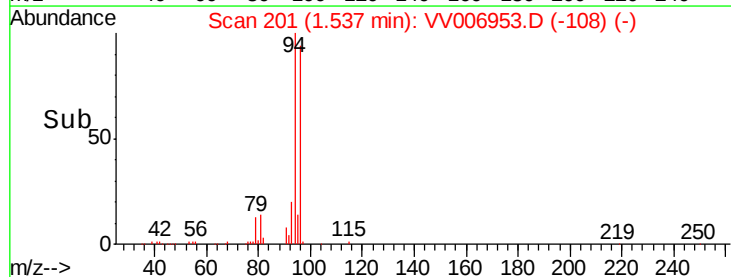
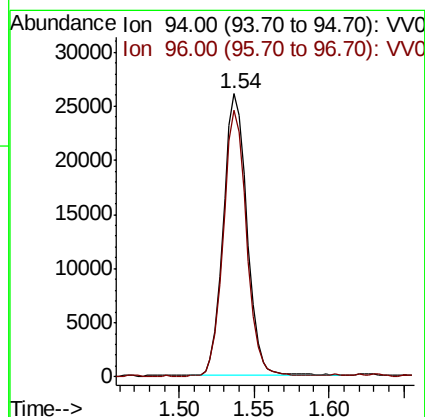
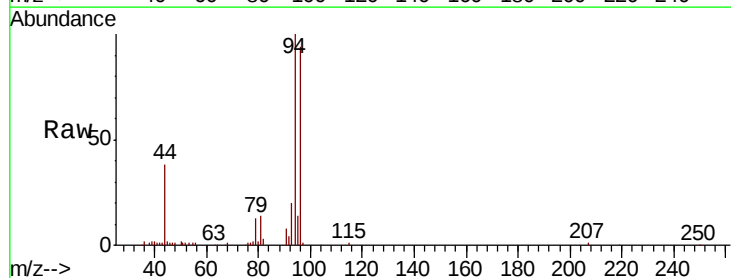
Acq: 09 Aug 2018 15:47

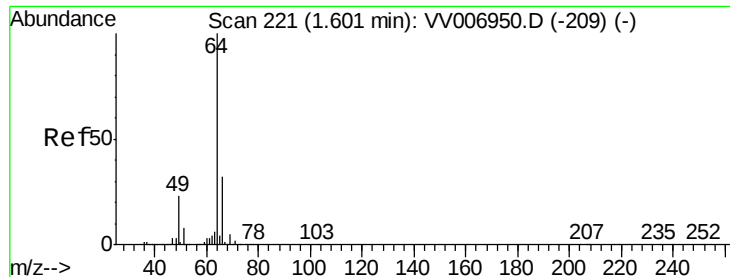
Tgt Ion: 94 Resp: 28599

Ion Ratio Lower Upper

94 100

96 94.3 65.0 120.6





#8

Chloroethane

Concen: 4.902 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

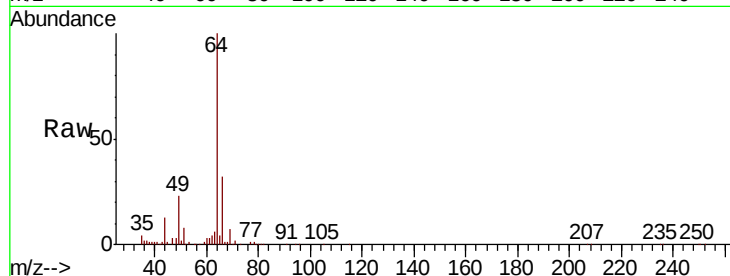
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 71598

Ion Ratio Lower Upper

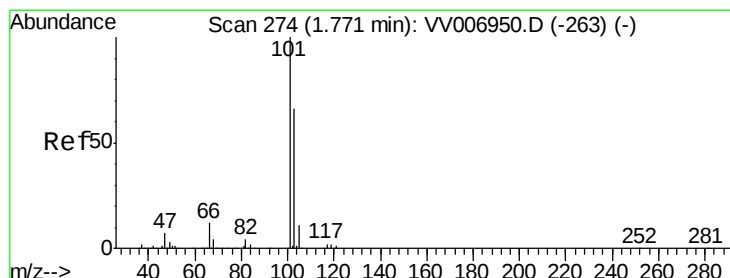
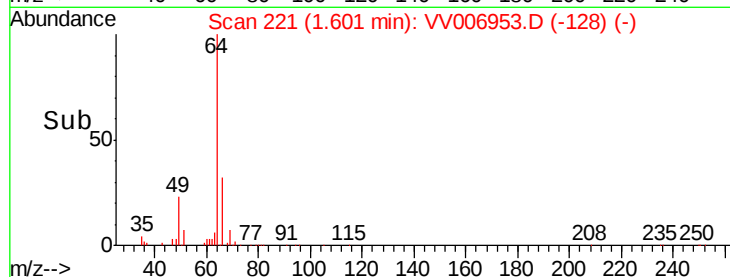
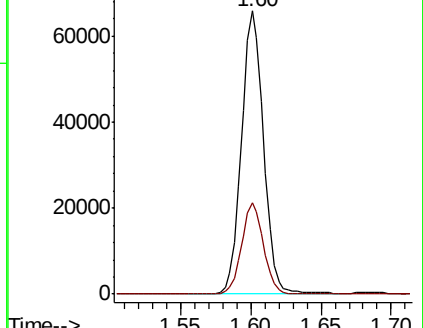
64 100

66 32.1 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV006953.D (-128) (-)

Ion 66.05 (65.75 to 66.75): VV006953.D (-128) (-)



#9

Trichlorofluoromethane

Concen: 4.835 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV006953.D

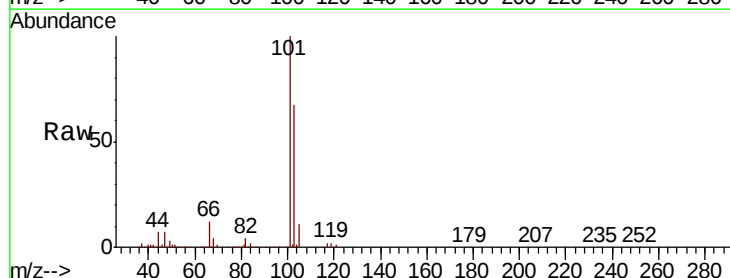
Acq: 09 Aug 2018 15:47

Tgt Ion: 101 Resp: 148115

Ion Ratio Lower Upper

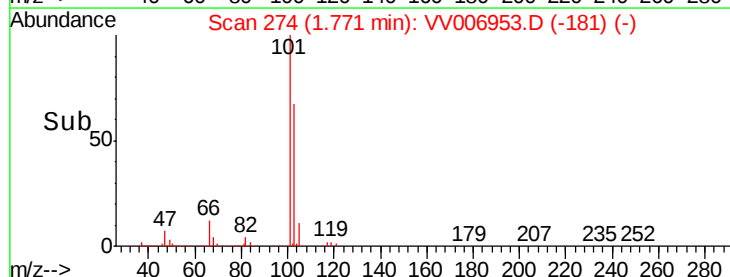
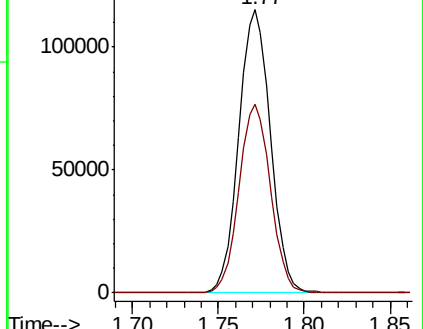
101 100

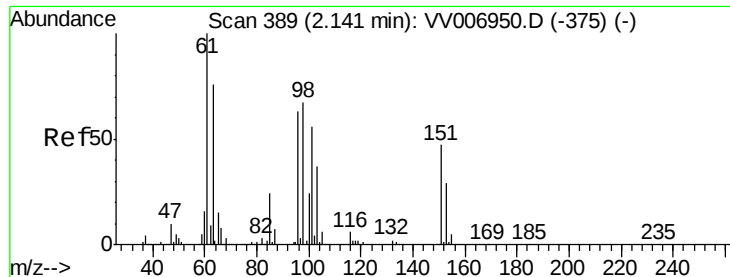
103 66.3 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VV006953.D (-181) (-)

Ion 103.00 (102.70 to 103.70): VV006953.D (-181) (-)





#10

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

Concen: 4.979 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

Instrument :

MSVOA_V

ClientSampleId :

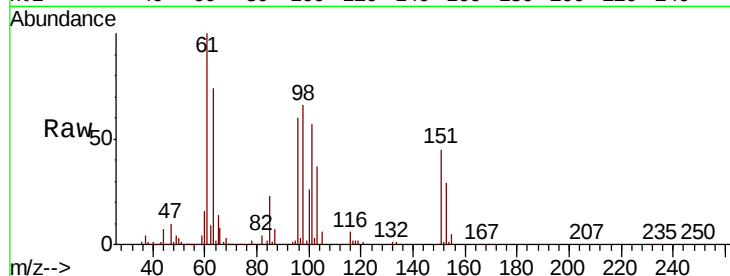
Tot Ion:101 Resp: 91542

Ion Ratio Lower Upper

101 100

85 41.1 33.9 50.9

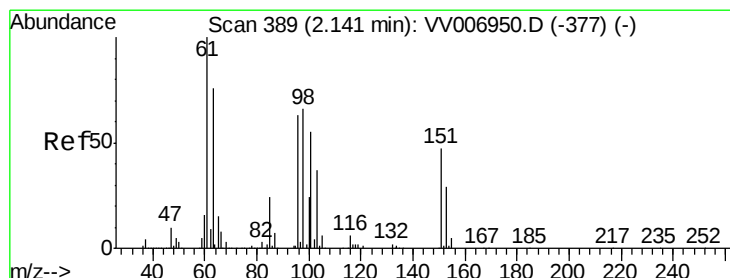
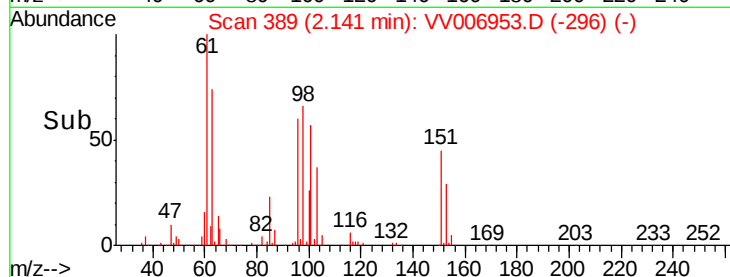
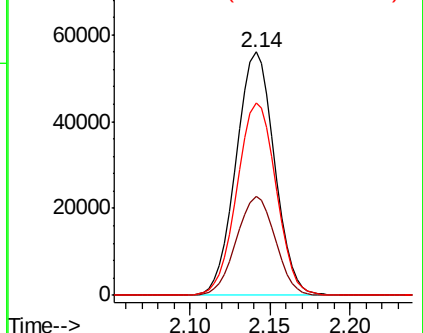
151 81.1 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): VV006953.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006953.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006953.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 4.718 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

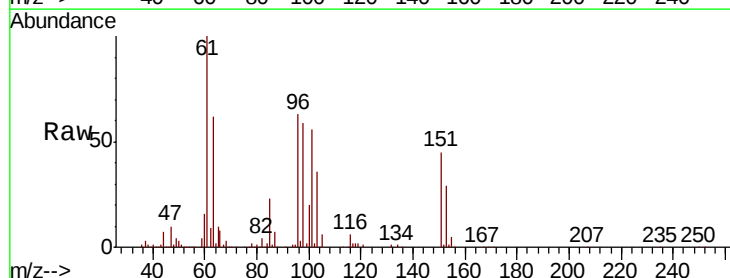
Tgt Ion: 96 Resp: 84207

Ion Ratio Lower Upper

96 100

61 158.7 111.6 207.4

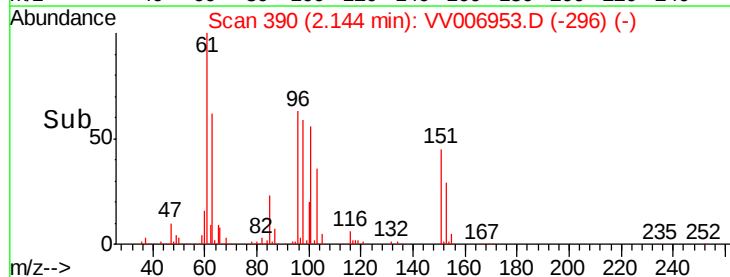
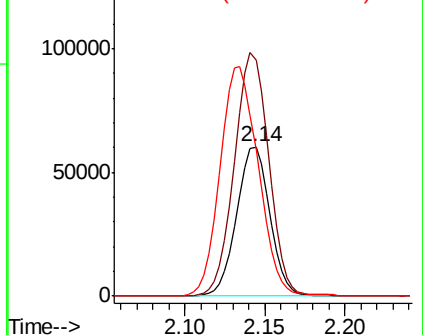
63 98.2 84.9 157.7

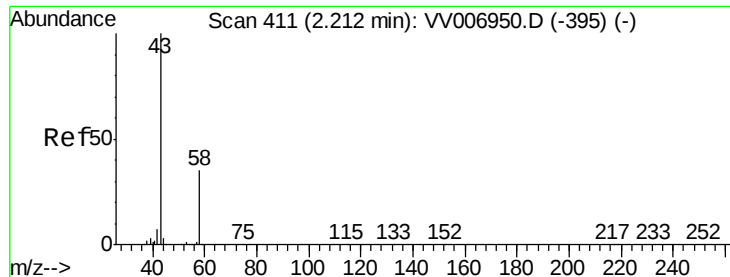


Abundance Ion 96.00 (95.70 to 96.70): VV006953.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VV006953.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VV006953.D (-296) (-)





#13

Acetone

Concen: 43.476 ug/L

RT: 2.21 min Scan# 411

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

Instrument :

MSVOA_V

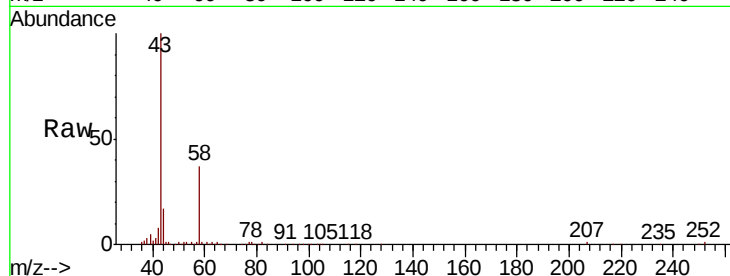
ClientSampleId :

Tot Ion: 43 Resp: 103287

Ion Ratio Lower Upper

43 100

58 35.3 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV006950.D

Ion 58.05 (57.75 to 58.75): VV006950.D

2.21

40000

30000

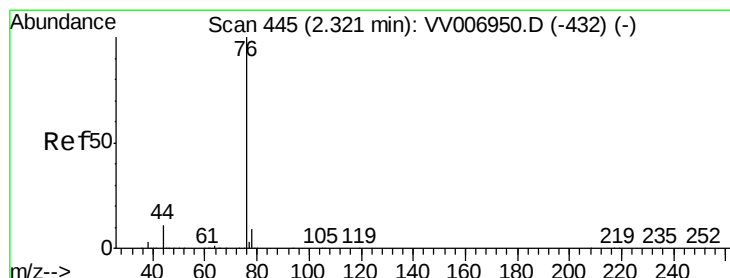
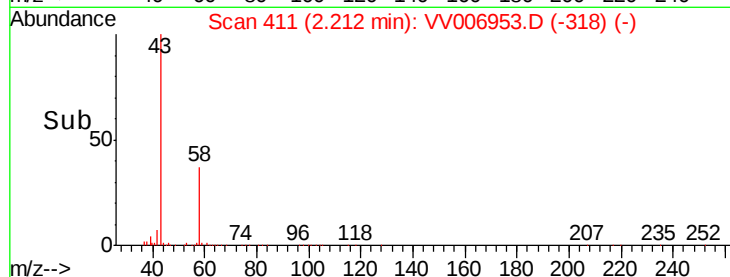
20000

10000

0

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 4.933 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006953.D

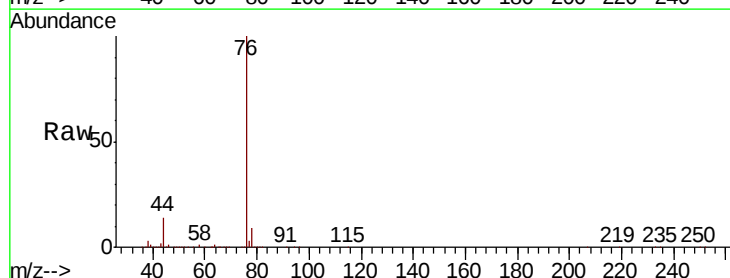
Acq: 09 Aug 2018 15:47

Tgt Ion: 76 Resp: 290643

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV006950.D

Ion 78.00 (77.70 to 78.70): VV006950.D

2.32

200000

150000

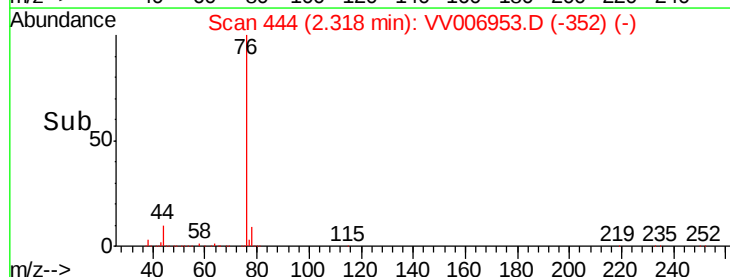
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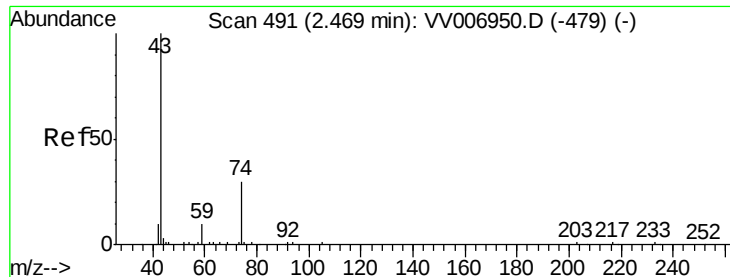
50000

0

2.25 2.30 2.35 2.40

Time-->





#15

Methyl Acetate

Concen: 4.491 ug/L

RT: 2.47 min Scan# 491

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

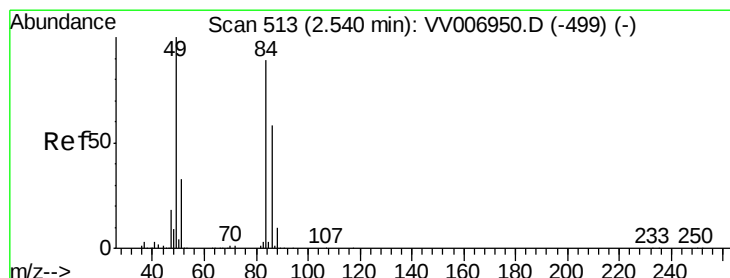
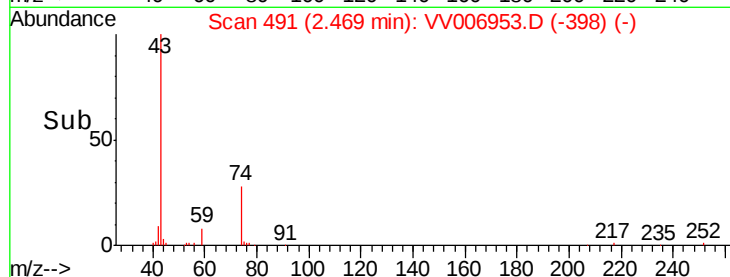
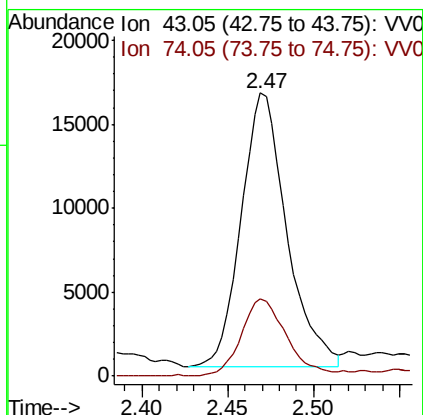
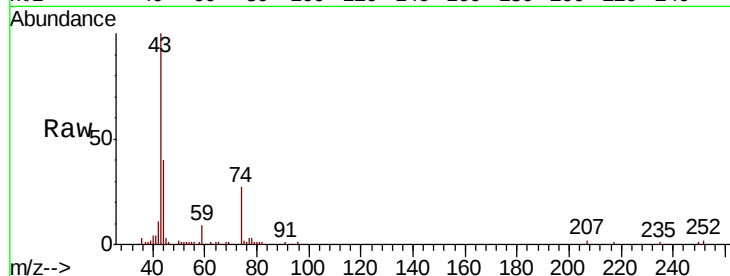
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 30027

Ion Ratio Lower Upper

43 100

74 28.1 24.6 37.0



#16

Methylene chloride

Concen: 4.359 ug/L

RT: 2.54 min Scan# 512

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

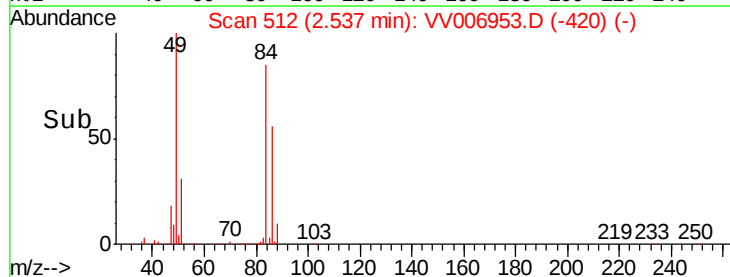
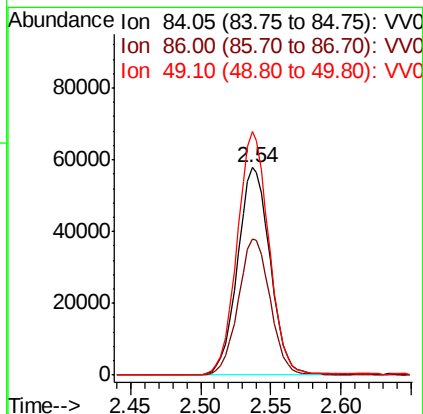
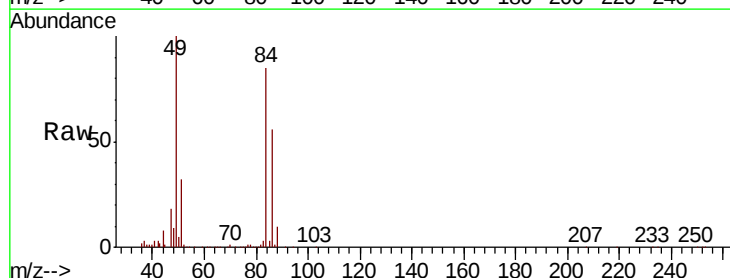
Tgt Ion: 84 Resp: 93808

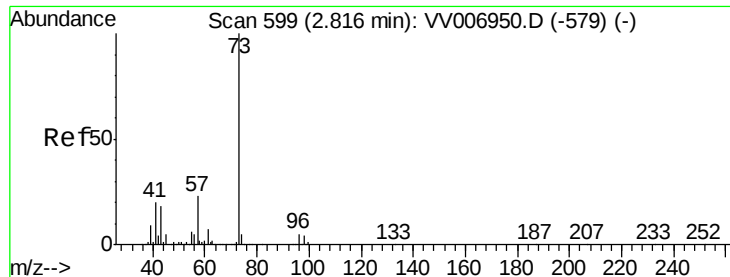
Ion Ratio Lower Upper

84 100

86 65.9 45.7 84.9

49 117.3 78.8 146.4



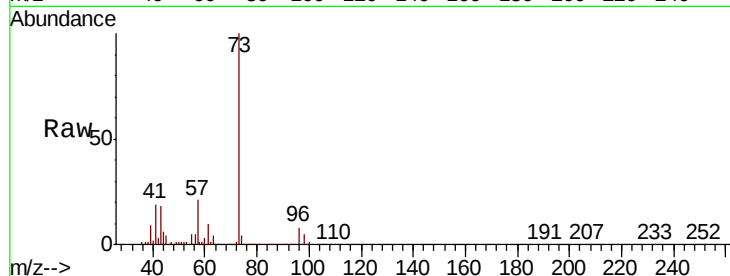


#17

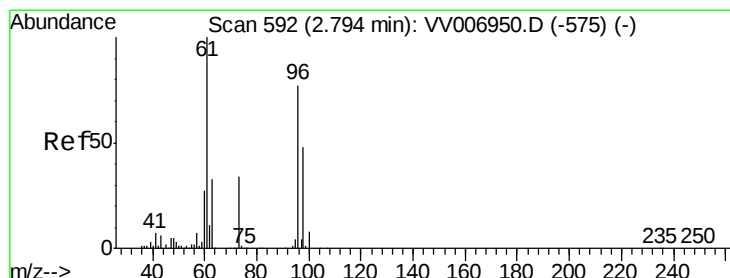
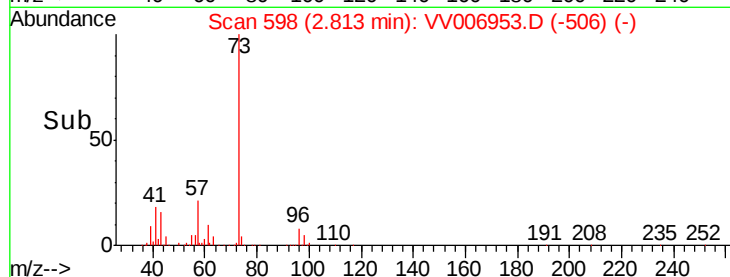
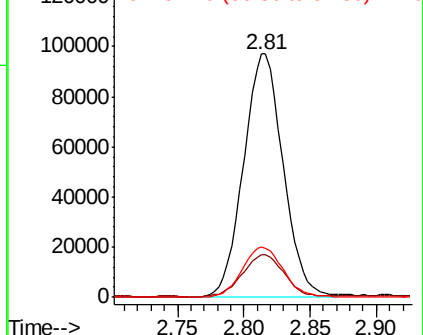
Methvl tert-butvl Ether
 Concen: 4.729 ug/L
 RT: 2.81 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VV006953.D
 Acq: 09 Aug 2018 15:47

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.0	14.4	21.6
57	21.7	17.9	26.9



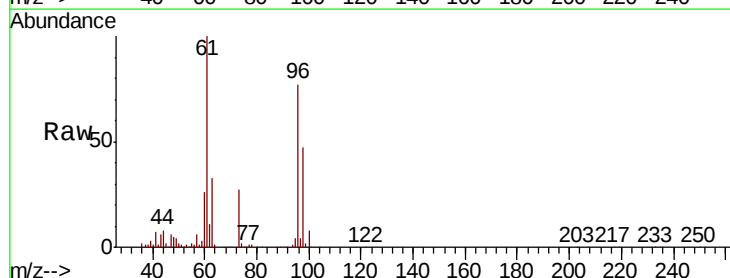
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



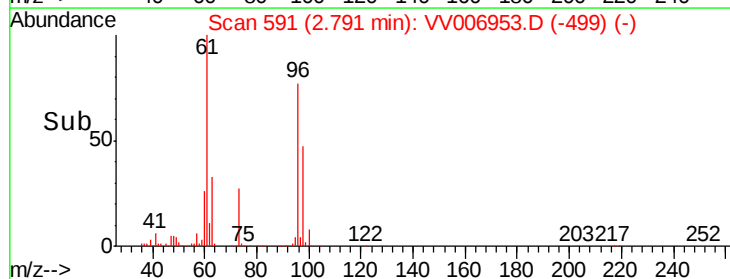
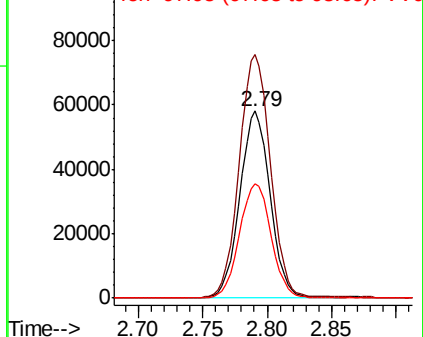
#18

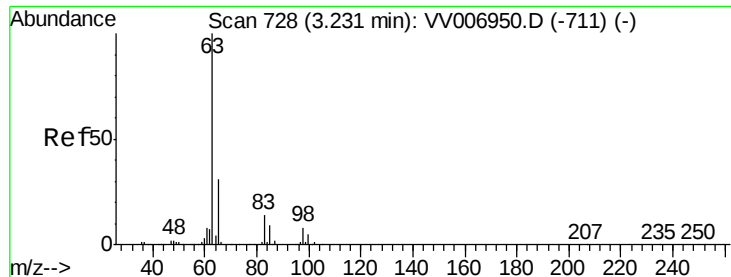
trans-1,2-Dichloroethene
 Concen: 5.003 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VV006953.D
 Acq: 09 Aug 2018 15:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.1	91.1	169.3
98	61.2	43.5	80.9



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

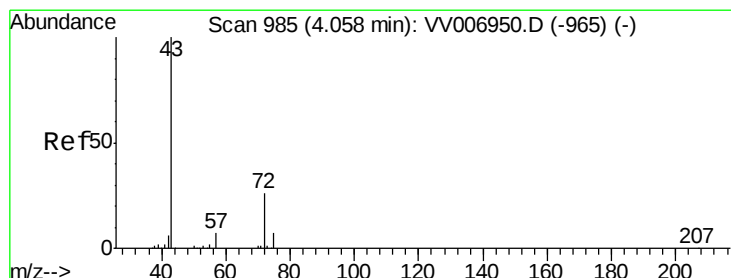
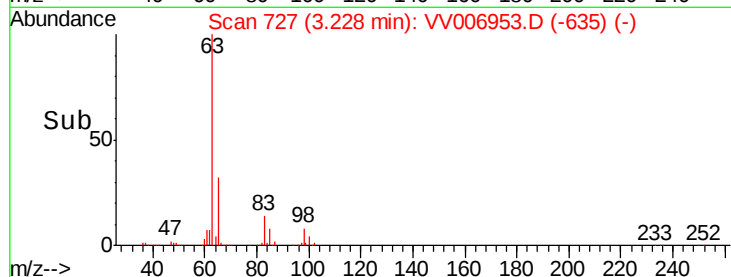
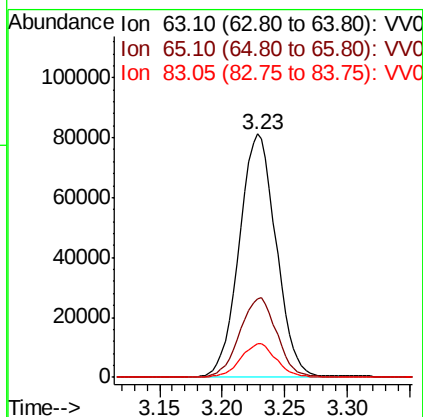
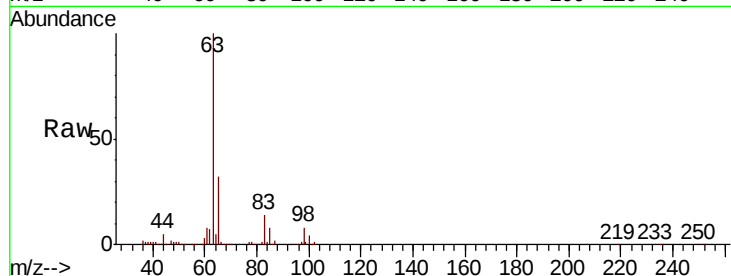




#19
 1,1-Dichloroethane
 Concen: 4.817 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV006953.D
 Acq: 09 Aug 2018 15:47

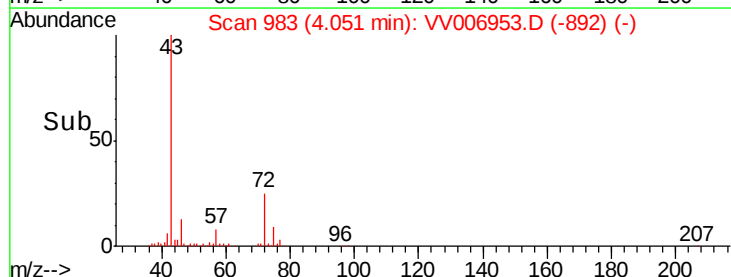
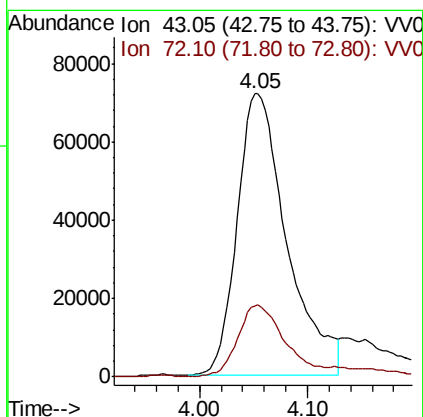
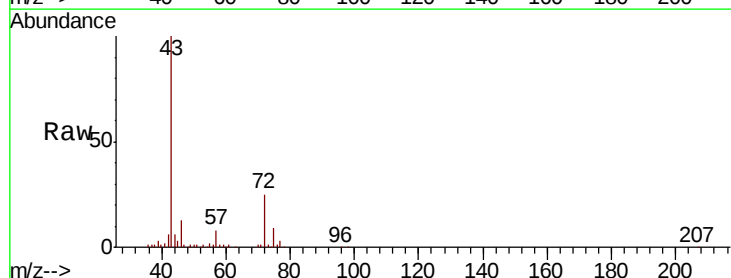
Instrument :
 MSVOA_V
 ClientSampleId :

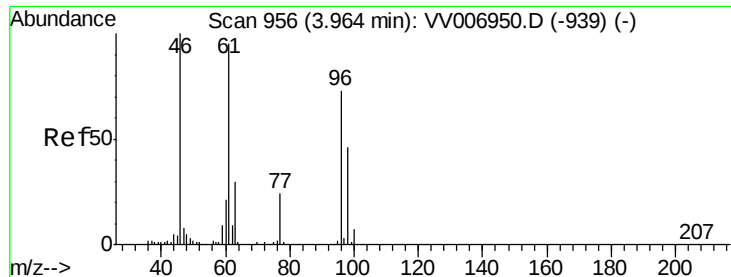
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	21.7	40.3
83	13.8	10.0	18.6



#21
 2-Butanone
 Concen: 44.563 ug/L
 RT: 4.05 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VV006953.D
 Acq: 09 Aug 2018 15:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.5	12.4	37.2



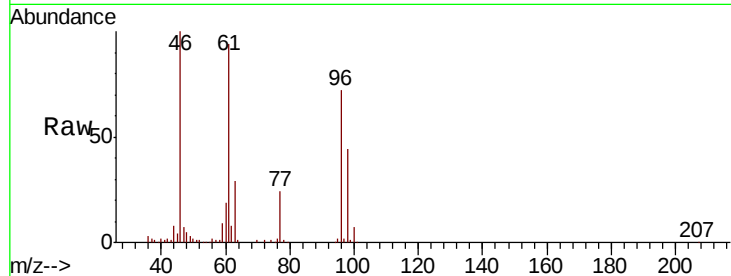


#22

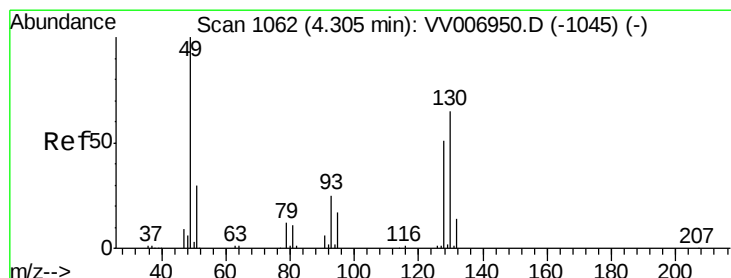
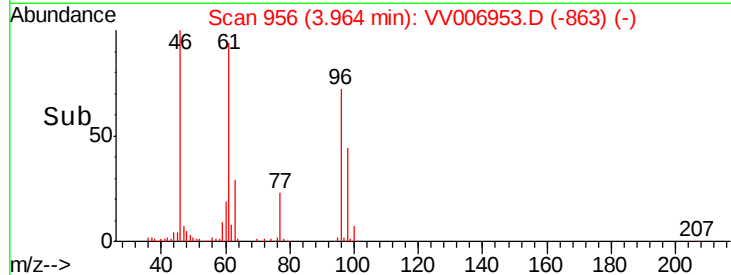
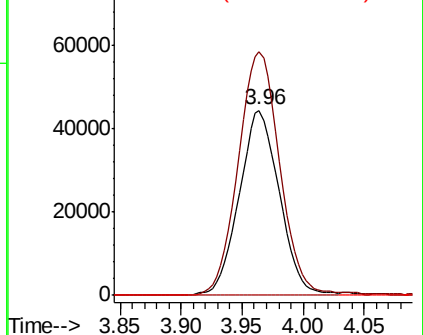
cis-1,2-Dichloroethene
 Concen: 4.669 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV006953.D
 Acq: 09 Aug 2018 15:47

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.7	91.1	169.1
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VV006953.D (-863) (-)
 Ion 61.05 (60.75 to 61.75): VV006953.D (-863) (-)
 Ion 68.15 (67.85 to 68.85): VV006953.D (-863) (-)

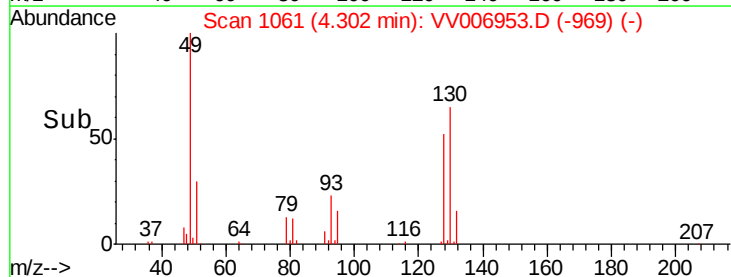
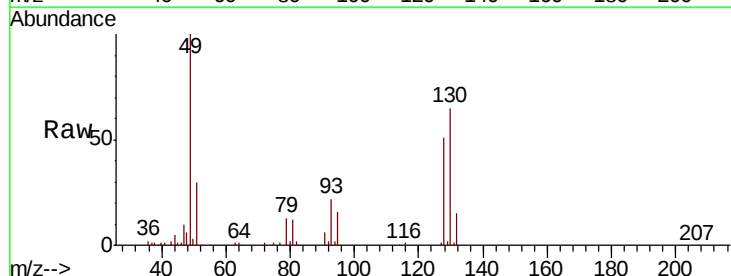
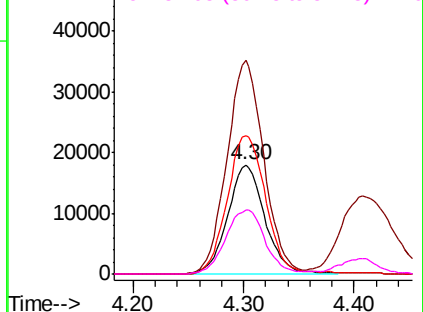


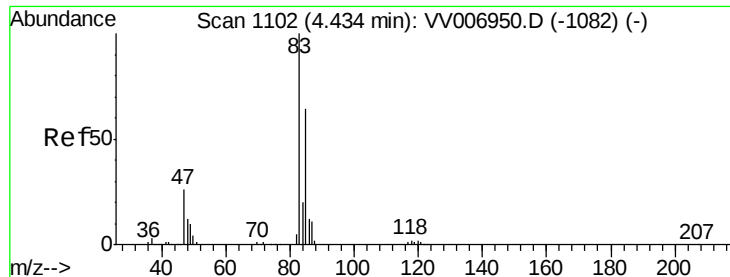
#23

Bromochloromethane
 Concen: 4.757 ug/L
 RT: 4.30 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: VV006953.D
 Acq: 09 Aug 2018 15:47

Tgt Ion	Ratio	Lower	Upper
128	100		
49	195.2	138.6	257.4
130	126.9	90.0	167.2
51	58.5	46.9	70.3

Abundance Ion 127.90 (127.60 to 128.60): VV006953.D (-969) (-)
 Ion 49.10 (48.80 to 49.80): VV006953.D (-969) (-)
 Ion 129.95 (129.65 to 130.65): VV006953.D (-969) (-)
 Ion 51.05 (50.75 to 51.75): VV006953.D (-969) (-)





#25

Chloroform

Concen: 4.799 ug/L

RT: 4.43 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

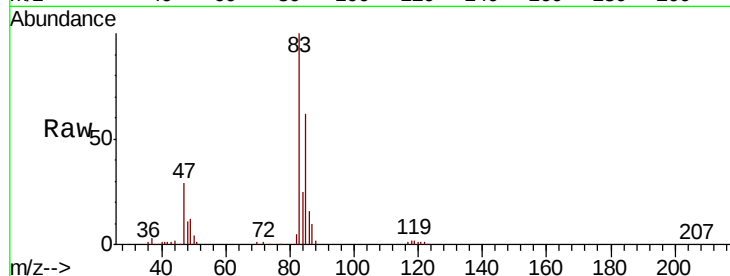
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 181167

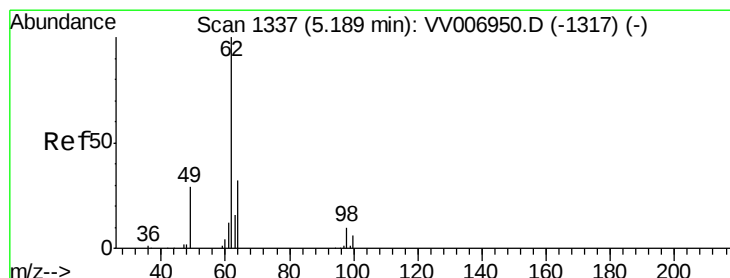
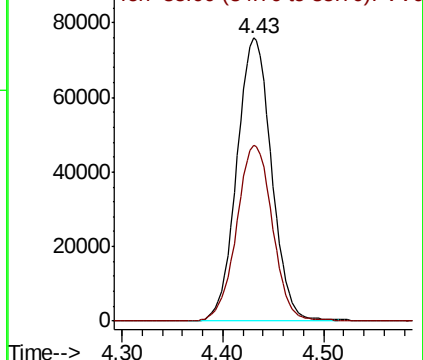
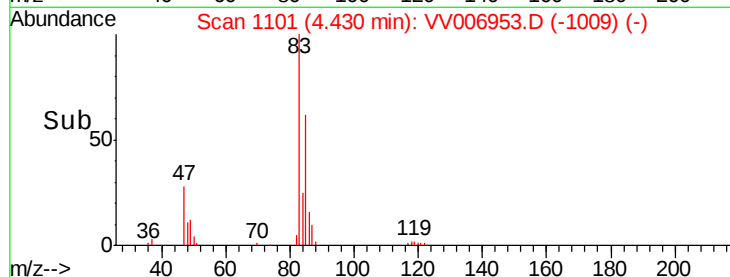
Ion Ratio Lower Upper

83 100

85 62.1 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VV006953.D (-1099) (-)



#27

1,2-Dichloroethane

Concen: 4.669 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV006953.D

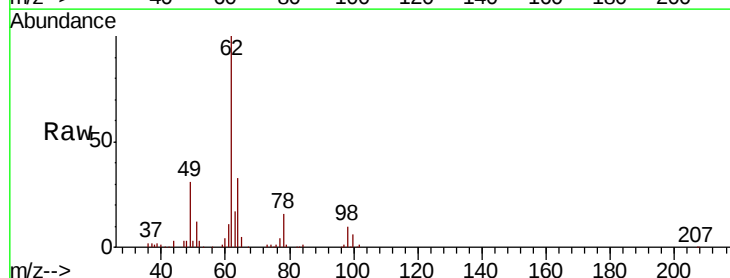
Acq: 09 Aug 2018 15:47

Tgt Ion: 62 Resp: 109924

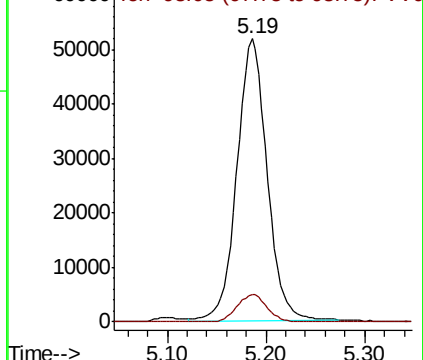
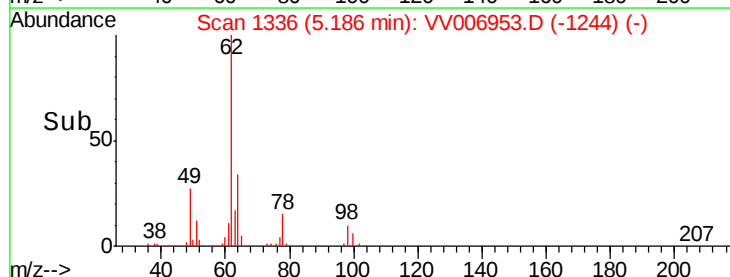
Ion Ratio Lower Upper

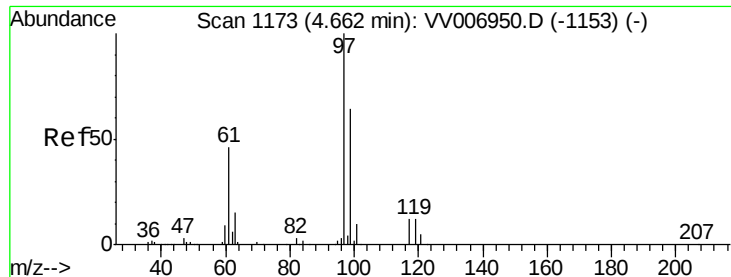
62 100

98 9.9 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VV006953.D (-1244) (-)

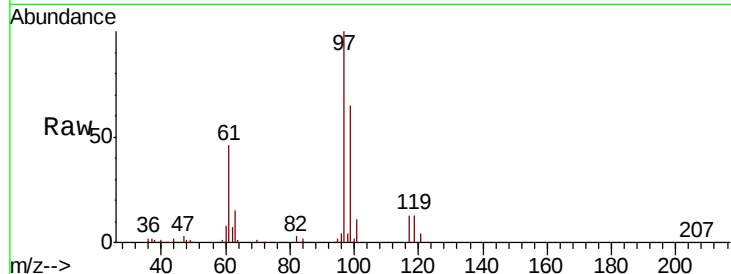




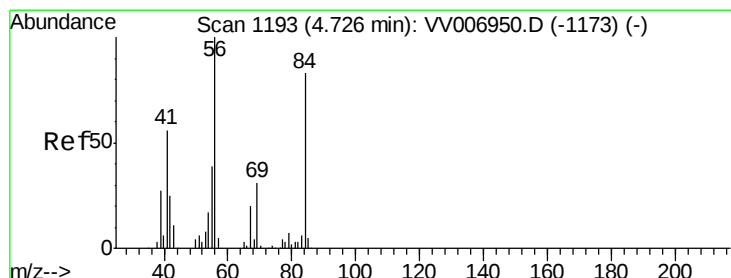
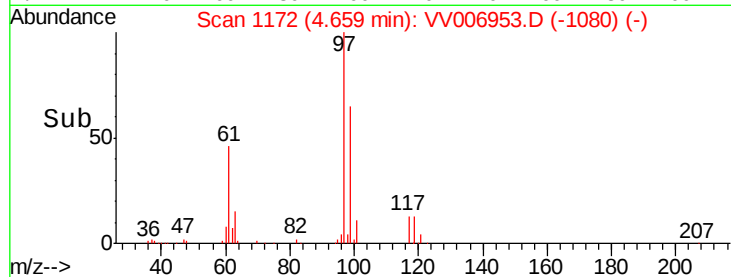
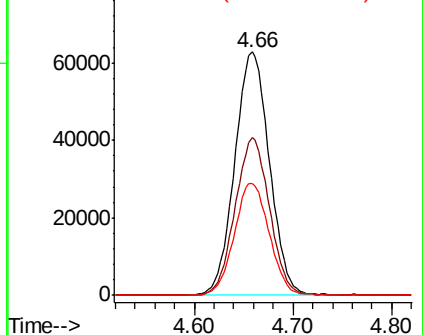
#29
 1,1,1-Trichloroethane
 Concen: 4.912 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006953.D
 Acq: 09 Aug 2018 15:47

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	97	Resp	152818
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	46.5	36.6	54.8

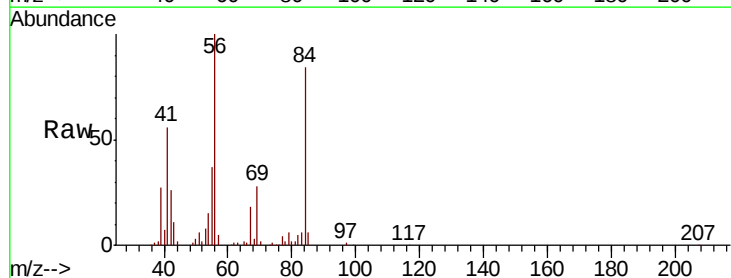


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

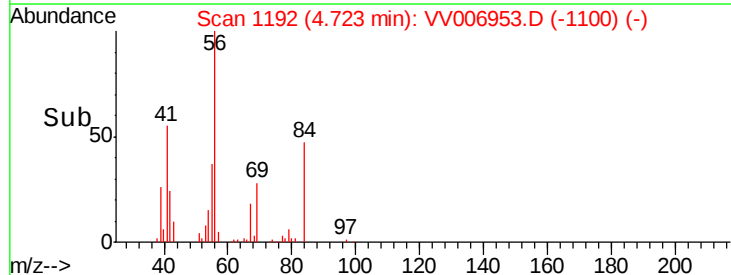
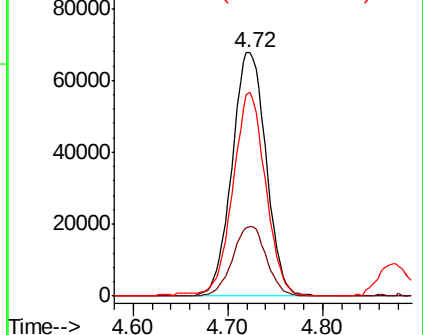


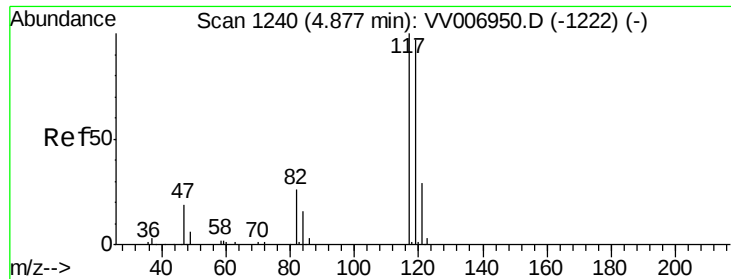
#30
 Cyclohexane
 Concen: 5.247 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV006953.D
 Acq: 09 Aug 2018 15:47

Tgt Ion	56	Resp	169892
Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.8	35.6
84	80.9	67.9	101.9



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: 4.972 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

Instrument :

MSVOA_V

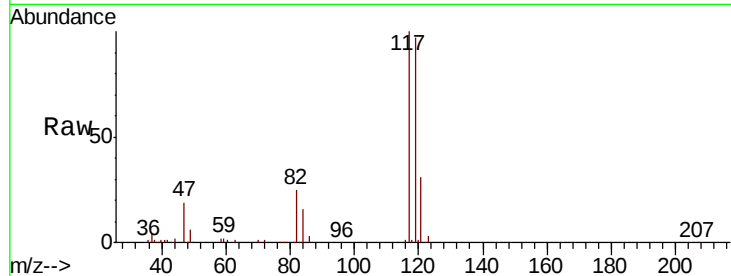
ClientSampleId :

Tot Ion:117 Resp: 129716

Ion Ratio Lower Upper

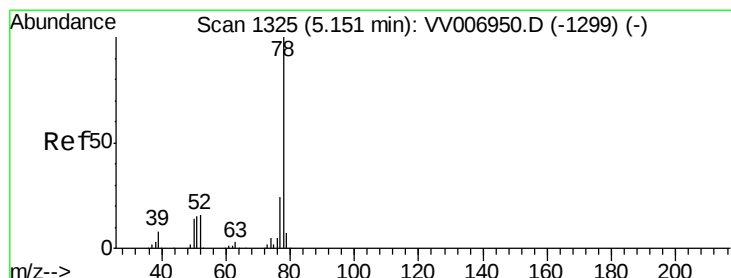
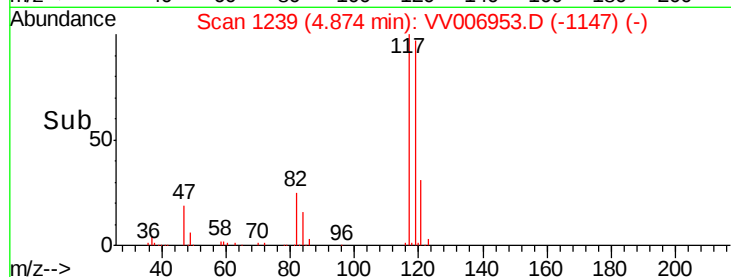
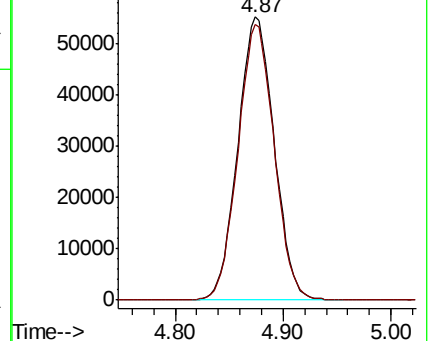
117 100

119 96.7 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.073 ug/L

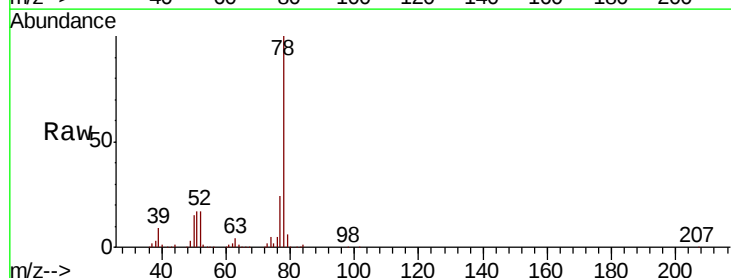
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

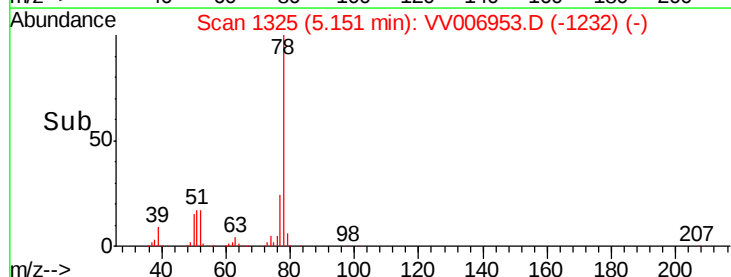
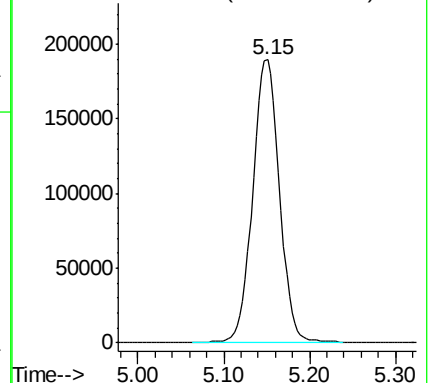
Lab File: VV006953.D

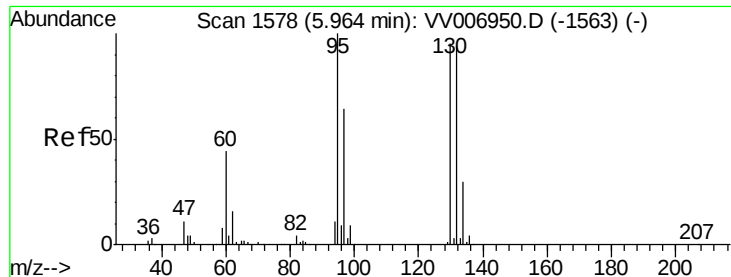
Acq: 09 Aug 2018 15:47

Tgt Ion: 78 Resp: 410045



Abundance Ion 78.10 (77.80 to 78.80): VV0

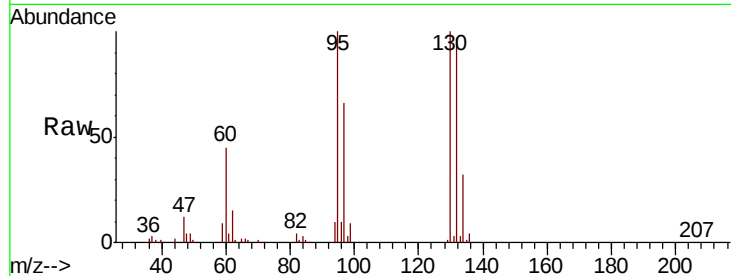




#34
 Trichloroethene
 Concen: 5.023 ug/L
 RT: 5.96 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VV006953.D
 Acq: 09 Aug 2018 15:47

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	95	Resp	97352
Ion	Ratio	Lower	Upper
95	100		
97	65.8	44.8	83.2
132	97.8	65.5	121.6
130	100.3	66.4	123.4



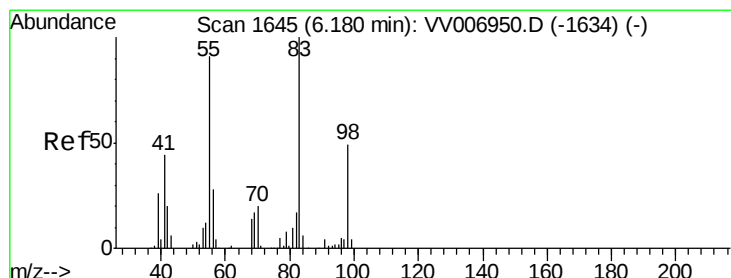
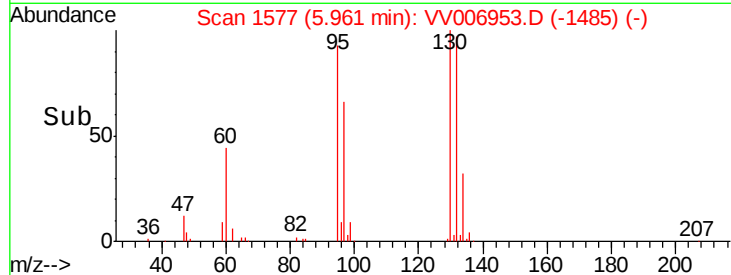
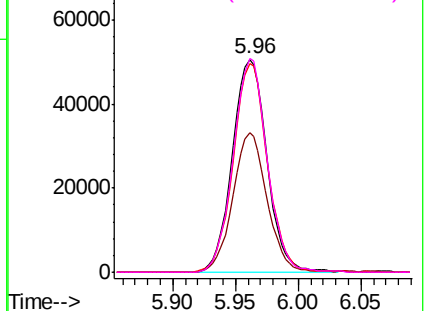
Abundance

Ion 95.00 (94.70 to 95.70): VV006953.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV006953.D (-1485) (-)

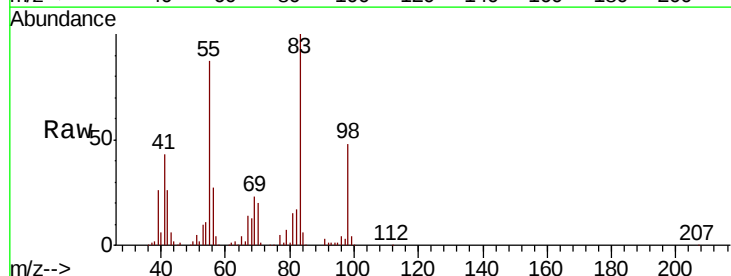
Ion 131.95 (131.65 to 132.65): VV006953.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV006953.D (-1485) (-)



#35
 Methylcyclohexane
 Concen: 5.184 ug/L
 RT: 6.18 min Scan# 1644
 Delta R.T. -0.00 min
 Lab File: VV006953.D
 Acq: 09 Aug 2018 15:47

Tgt Ion	83	Resp	161285
Ion	Ratio	Lower	Upper
83	100		
55	84.7	68.1	102.1
98	47.0	37.9	56.9

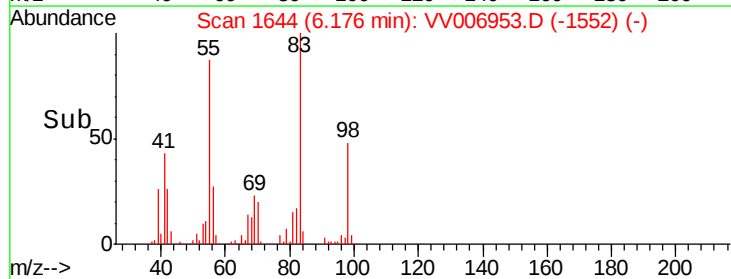
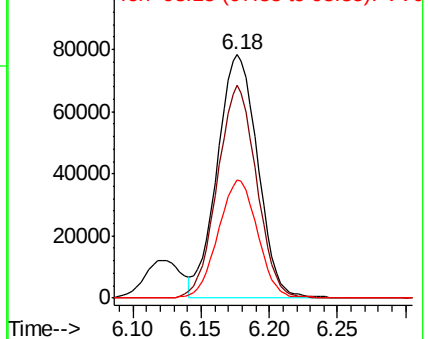


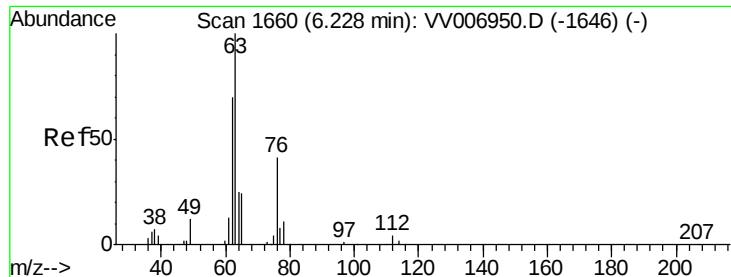
Abundance

Ion 83.15 (82.85 to 83.85): VV006953.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006953.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006953.D (-1552) (-)





#37

1,2-Dichloropropane

Concen: 4.976 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

Instrument :

MSVOA_V

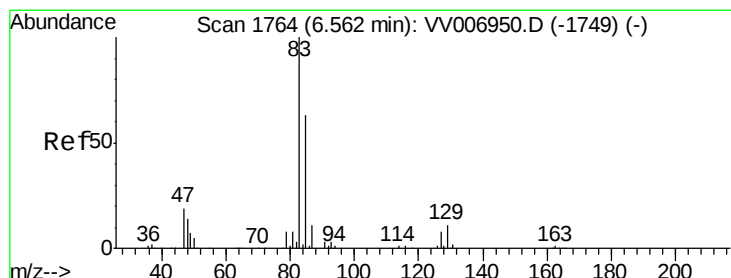
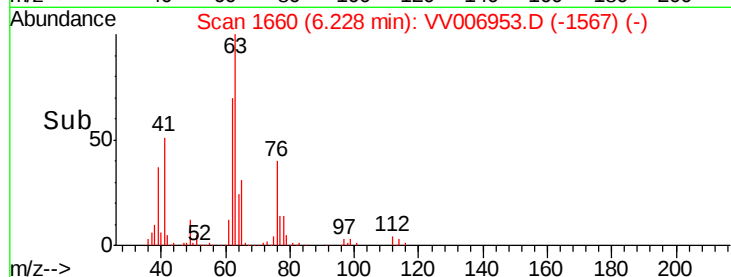
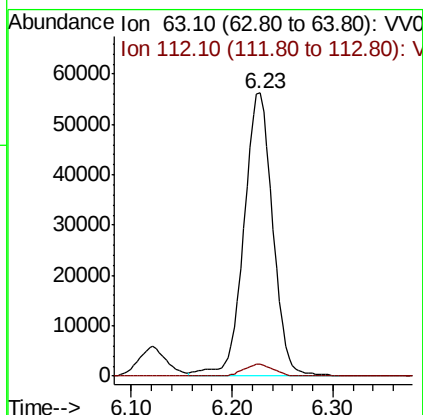
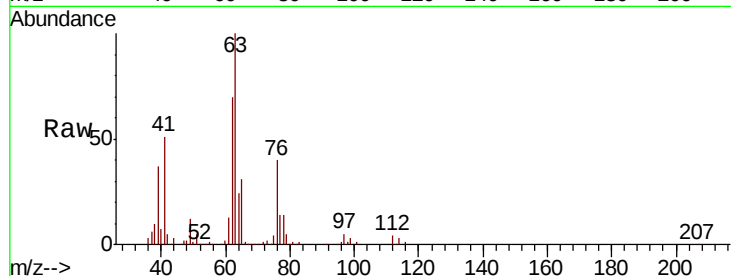
ClientSampleId :

Tot Ion: 63 Resp: 110086

Ion Ratio Lower Upper

63 100

112 4.6 3.5 5.3



#38

Bromodichloromethane

Concen: 4.804 ug/L

RT: 6.56 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

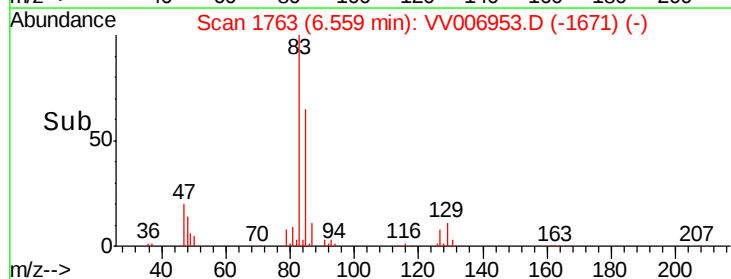
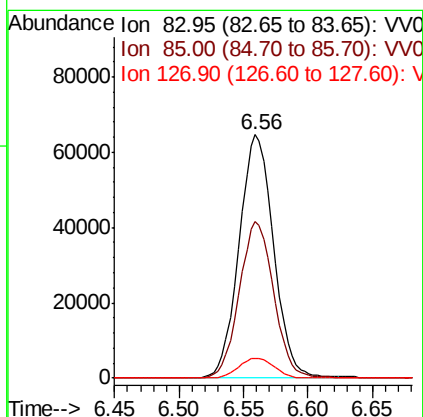
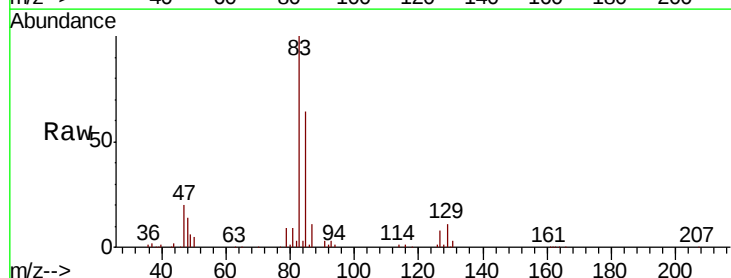
Tgt Ion: 83 Resp: 120767

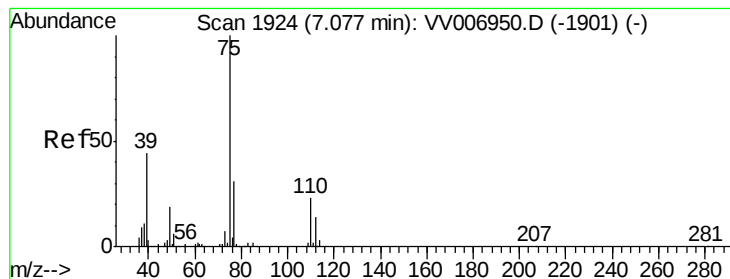
Ion Ratio Lower Upper

83 100

85 64.5 43.8 81.4

127 8.3 6.6 10.0



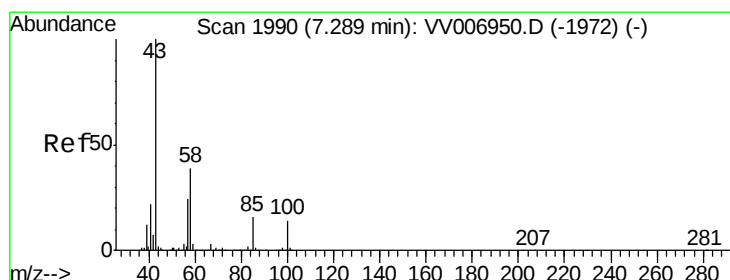
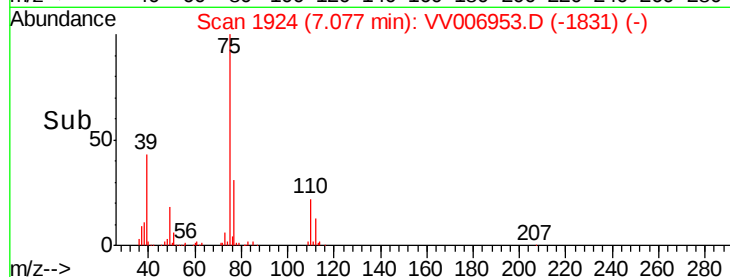
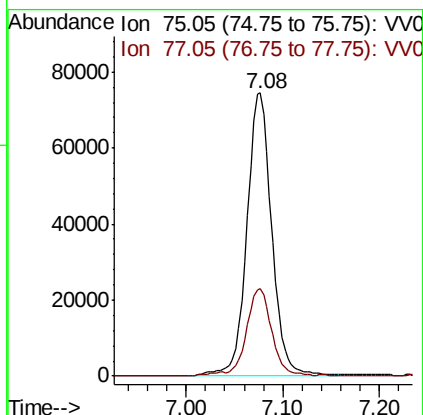
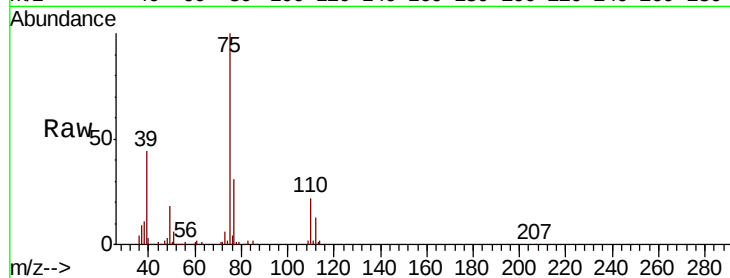


#39

cis-1,3-Dichloropropene
 Concen: 5.002 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006953.D
 Acq: 09 Aug 2018 15:47

Instrument :
 MSVOA_V
 ClientSampleId :

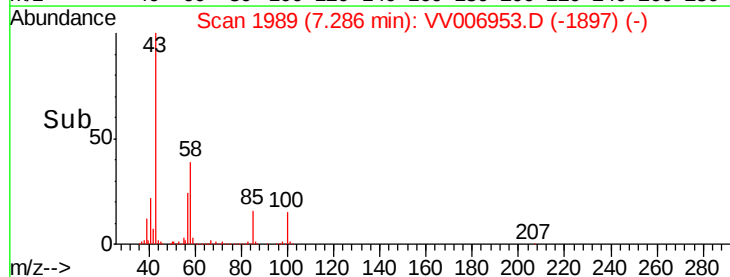
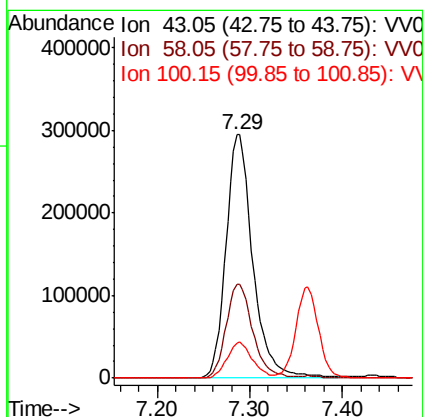
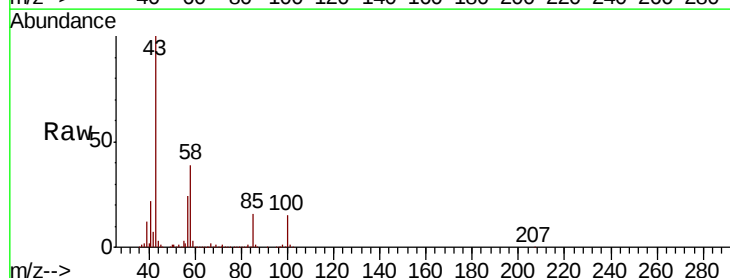
Tot Ion: 75 Resp: 133686
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.0 40.8

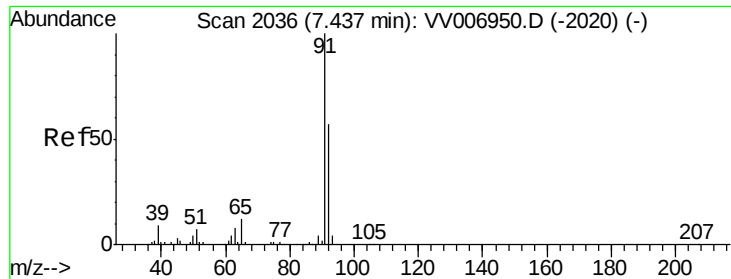


#40

4-Methyl-2-pentanone
 Concen: 49.424 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VV006953.D
 Acq: 09 Aug 2018 15:47

Tgt Ion: 43 Resp: 590670
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.7 46.1
 100 14.0 11.2 16.8





#42

Toluene

Concen: 5.203 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

Instrument :

MSVOA_V

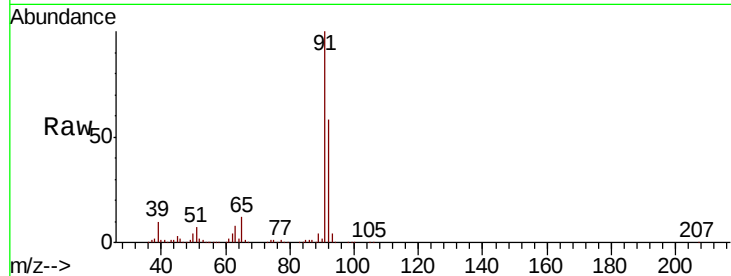
ClientSampleId :

Tot Ion: 91 Resp: 404143

Ion Ratio Lower Upper

91 100

92 58.3 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV006953.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV006953.D (-1943) (-)

7.43

250000

200000

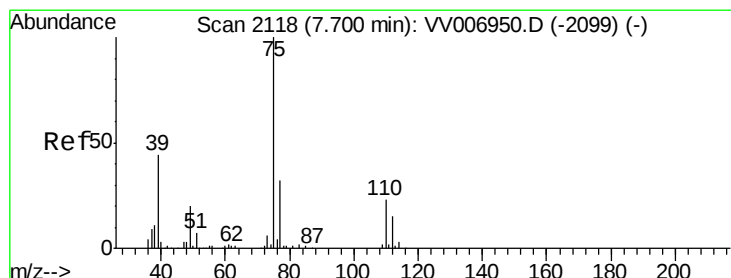
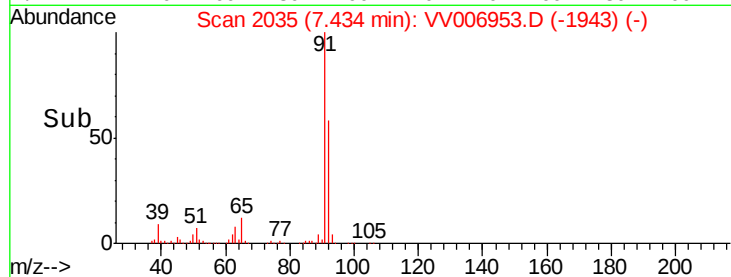
150000

100000

50000

0

Time--> 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 5.062 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006953.D

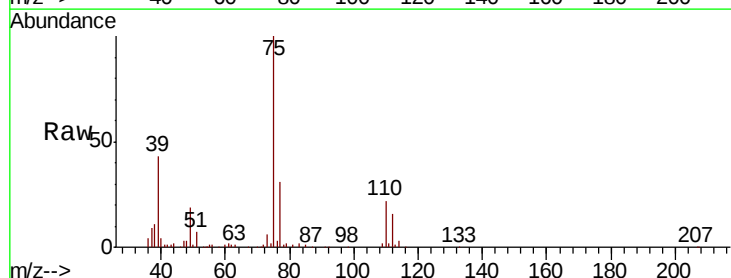
Acq: 09 Aug 2018 15:47

Tgt Ion: 75 Resp: 111041

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV006953.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV006953.D (-2025) (-)

7.70

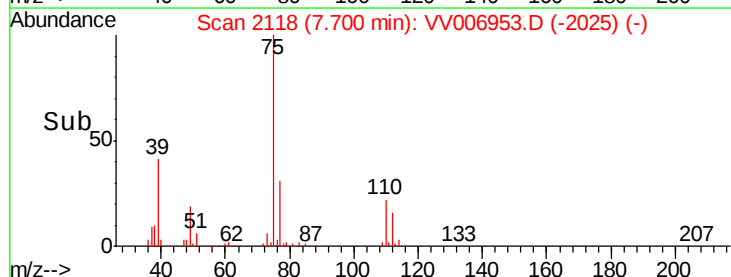
60000

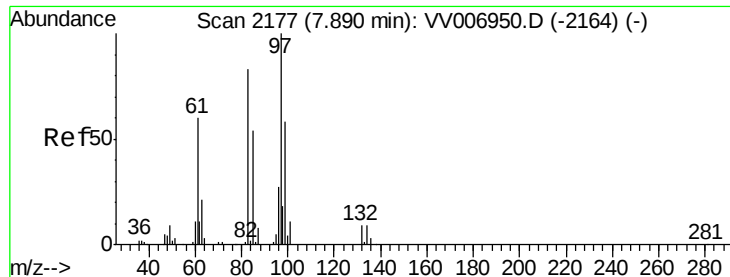
40000

20000

0

Time--> 7.60 7.70 7.80





#45

1,1,2-Trichloroethane

Concen: 4.702 ug/L

RT: 7.89 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 67672

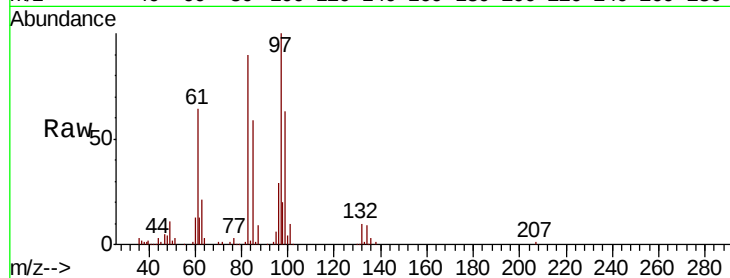
Ion Ratio Lower Upper

97 100

99 63.4 40.6 75.4

83 90.3 58.0 107.8

85 58.7 37.5 69.7

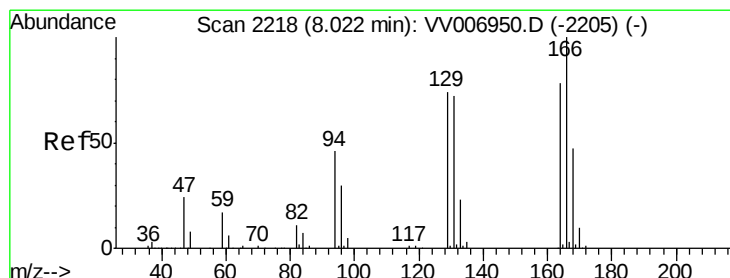
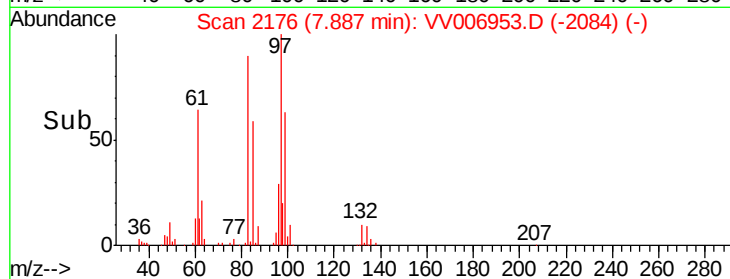
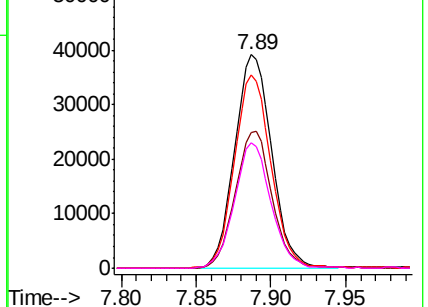


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.050 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

Tgt Ion: 164 Resp: 79358

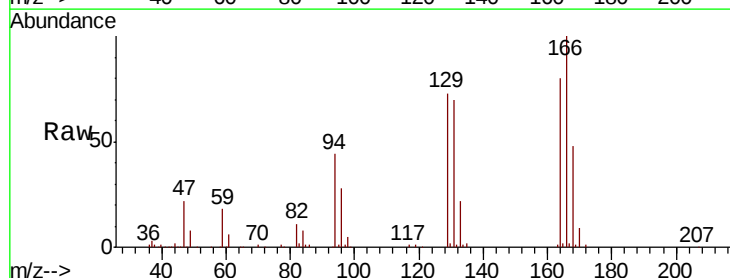
Ion Ratio Lower Upper

164 100

129 92.1 65.9 122.3

131 87.5 64.2 119.2

166 125.6 89.4 166.0

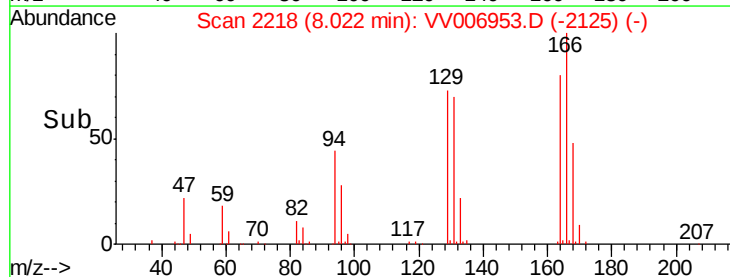
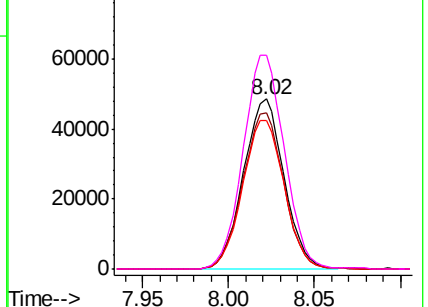


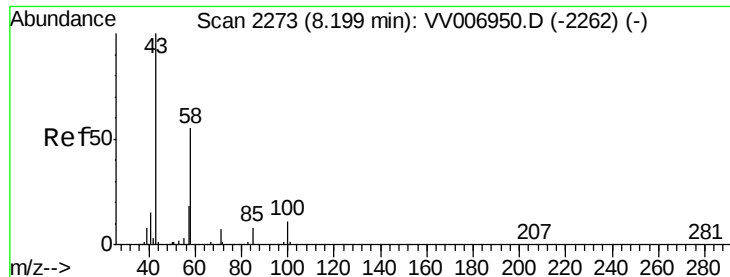
Abundance Ion 163.90 (163.60 to 164.60): V

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

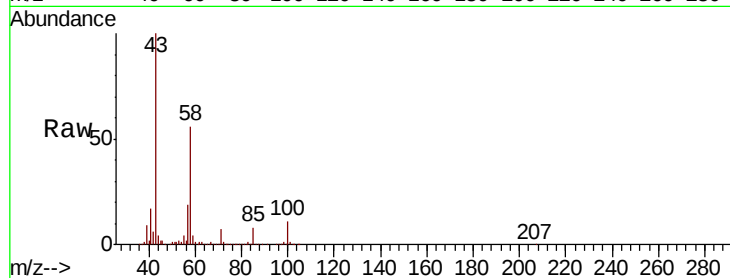




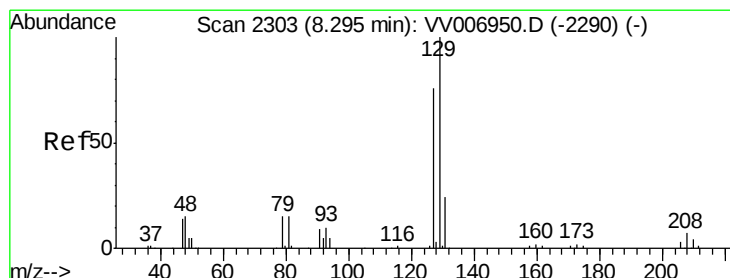
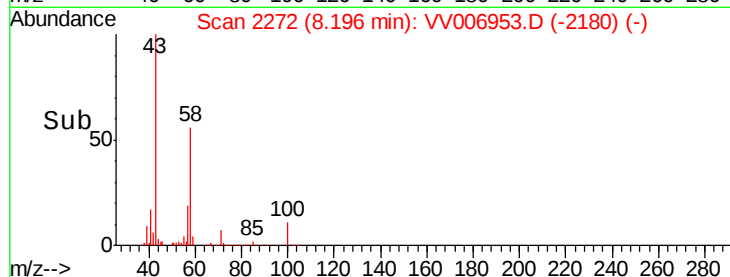
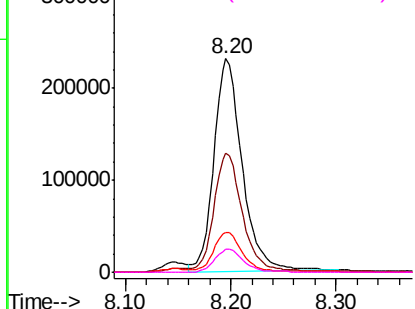
#48
2-Hexanone
Concen: 51.000 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV006953.D
Acq: 09 Aug 2018 15:47

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 429878
Ion Ratio Lower Upper
43 100
58 56.7 44.2 66.2
57 18.4 14.8 22.2
100 10.4 8.8 13.2

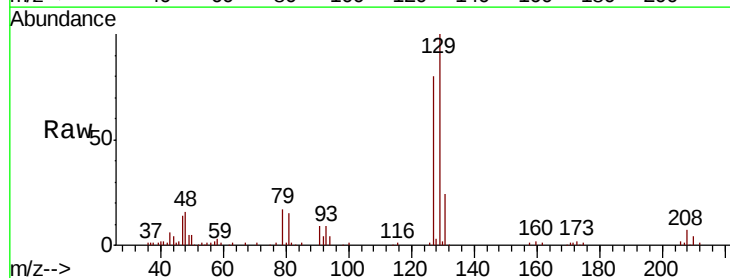


Abundance Ion 43.05 (42.75 to 43.75): VV006953.D (-2180) (-)
Ion 58.05 (57.75 to 58.75): VV006953.D (-2180) (-)
Ion 57.20 (56.90 to 57.90): VV006953.D (-2180) (-)
Ion 100.15 (99.85 to 100.85): VV006953.D (-2180) (-)

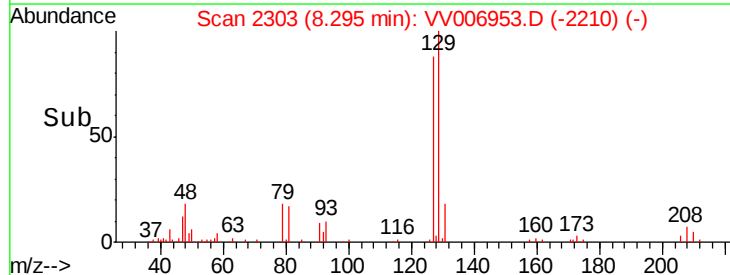
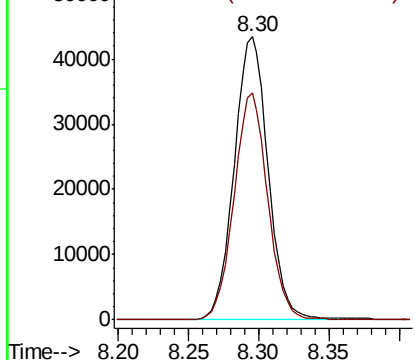


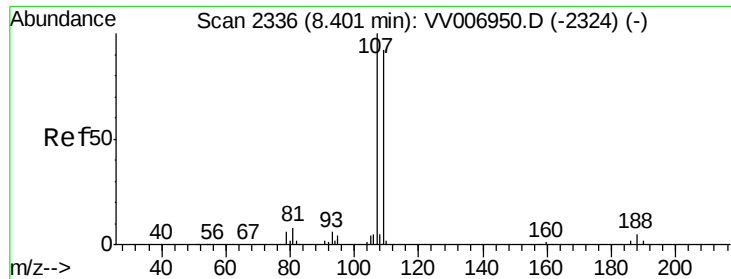
#49
Dibromochloromethane
Concen: 4.843 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006953.D
Acq: 09 Aug 2018 15:47

Tgt Ion: 129 Resp: 73125
Ion Ratio Lower Upper
129 100
127 80.2 53.3 98.9



Abundance Ion 128.95 (128.65 to 129.65): VV006953.D (-2210) (-)
Ion 126.90 (126.60 to 127.60): VV006953.D (-2210) (-)

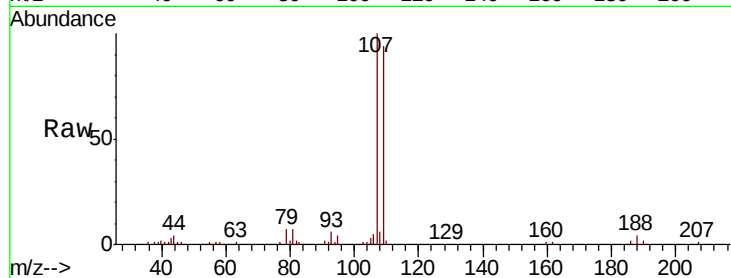




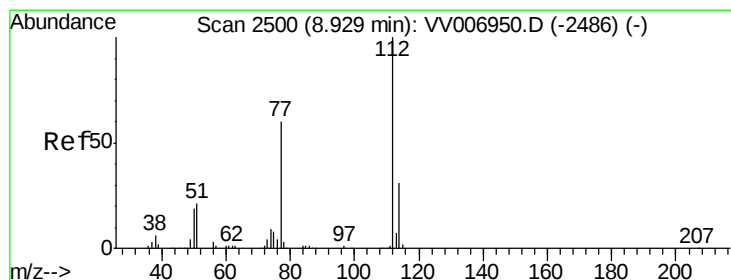
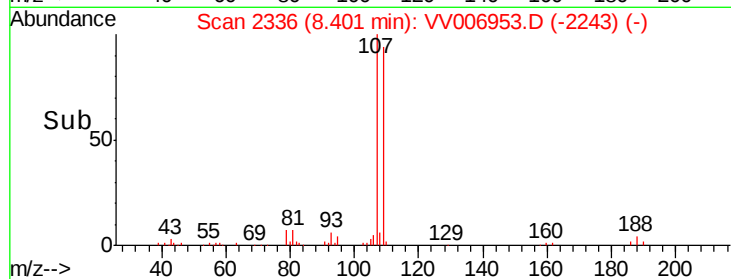
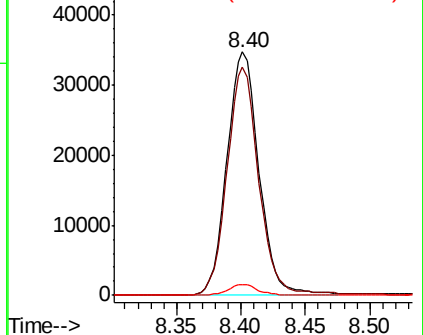
#50
1,2-Dibromoethane
Concen: 4.935 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006953.D
Acq: 09 Aug 2018 15:47

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	64.1	119.1
188	4.4	4.0	6.0

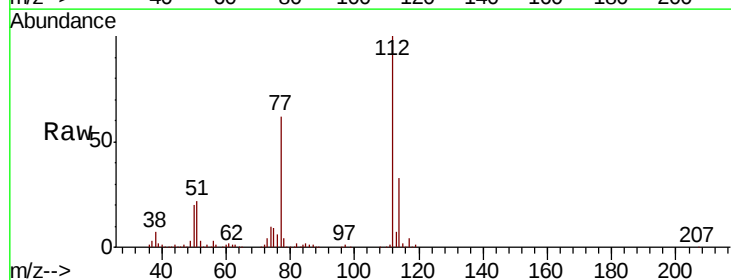


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

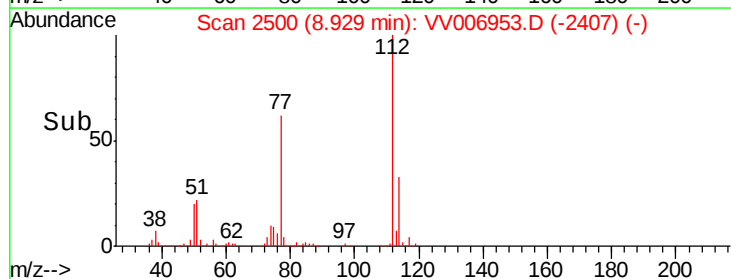
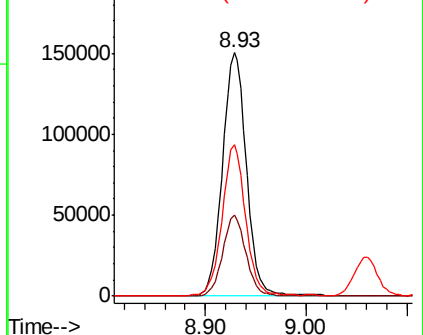


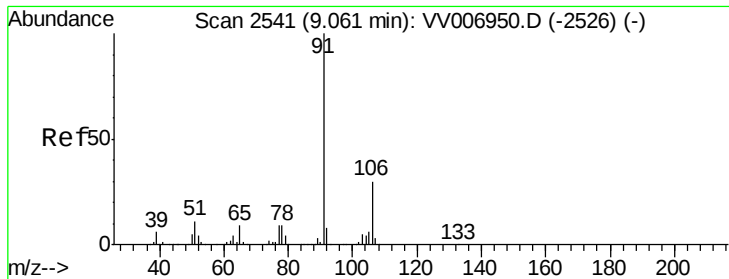
#51
Chlorobenzene
Concen: 5.048 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006953.D
Acq: 09 Aug 2018 15:47

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.1	21.8	40.6
77	62.2	48.0	72.0



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: 5.117 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

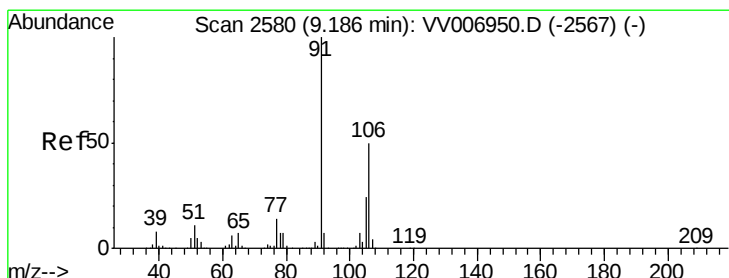
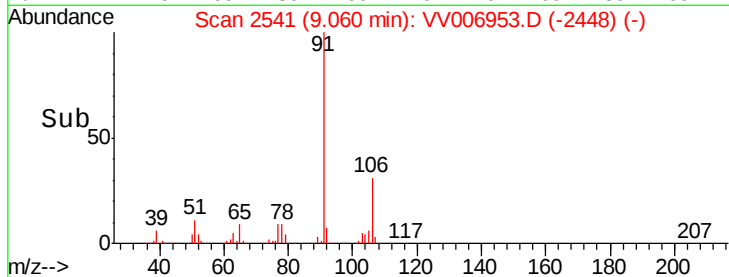
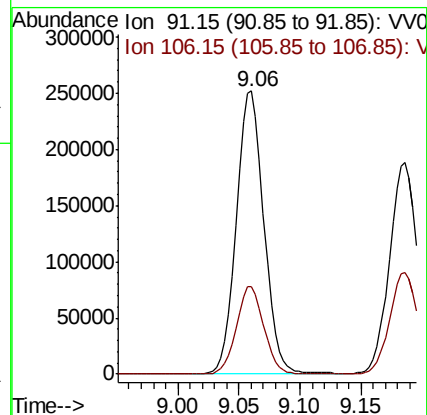
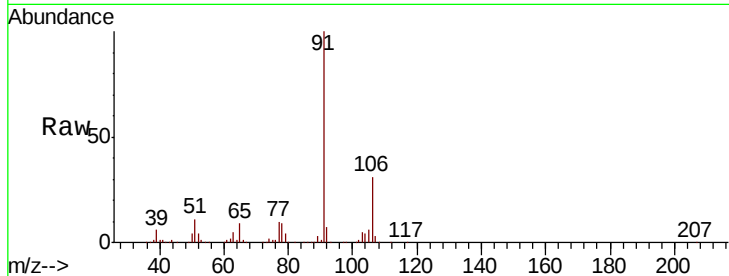
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 396877

Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.5



#53

m,p-xylene

Concen: 5.139 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006953.D

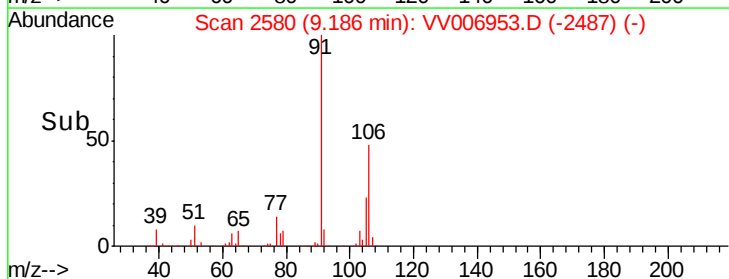
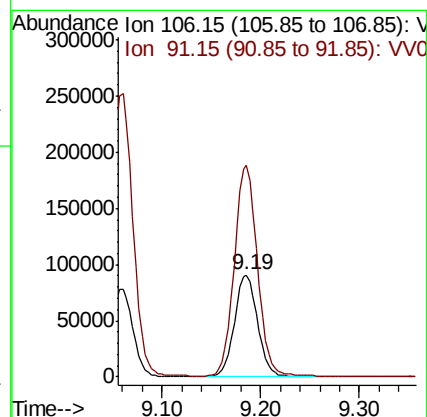
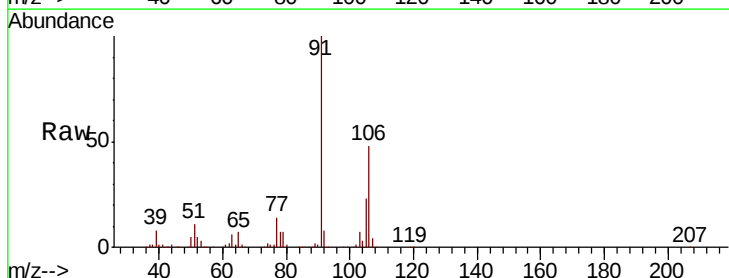
Acq: 09 Aug 2018 15:47

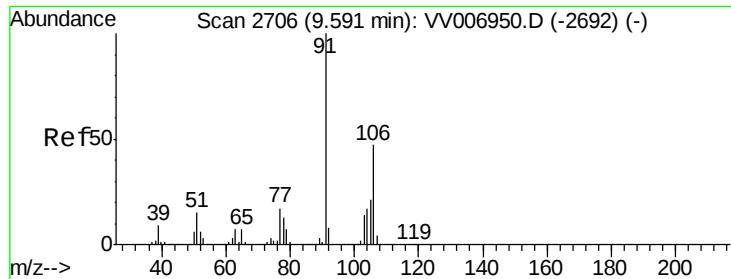
Tgt Ion: 106 Resp: 148584

Ion Ratio Lower Upper

106 100

91 207.9 141.6 263.0





#54

o-xylene

Concen: 5.114 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

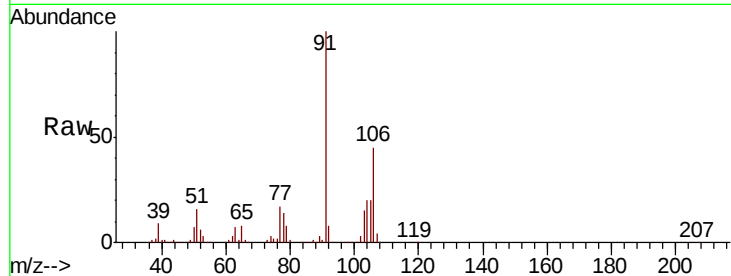
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 140109

Ion Ratio Lower Upper

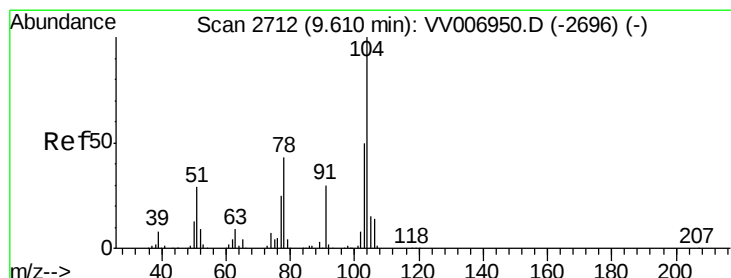
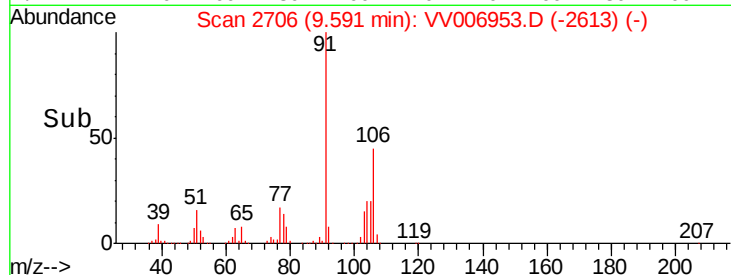
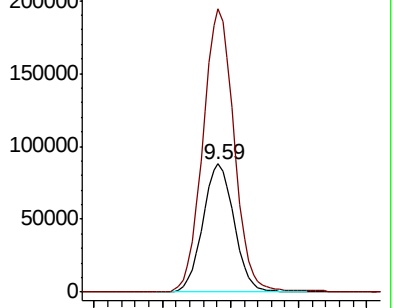
106 100

91 220.8 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.349 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV006953.D

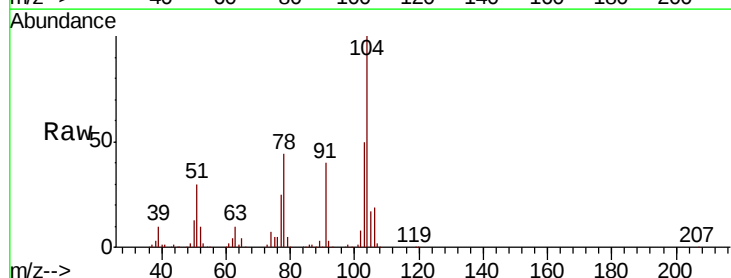
Acq: 09 Aug 2018 15:47

Tgt Ion:104 Resp: 247018

Ion Ratio Lower Upper

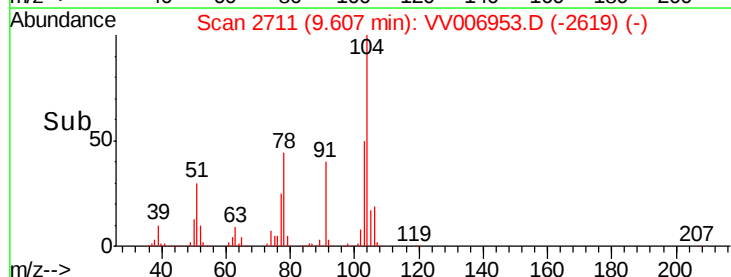
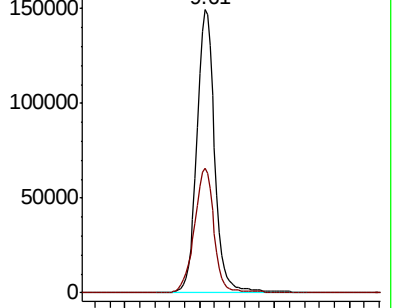
104 100

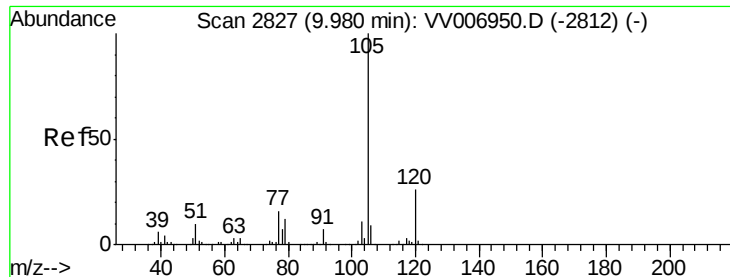
78 44.2 30.4 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.191 ug/L

RT: 9.98 min Scan# 2827

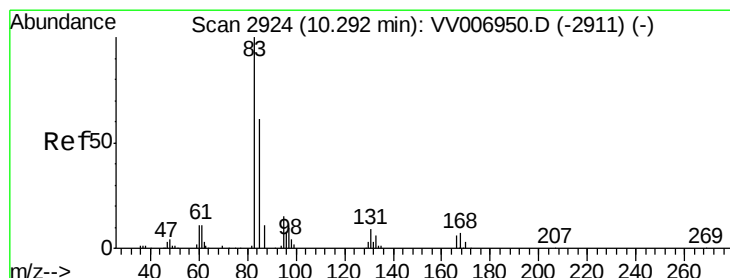
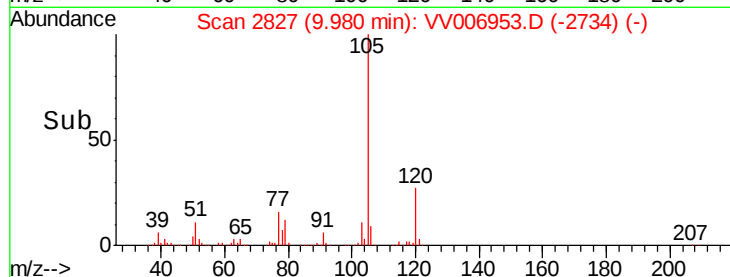
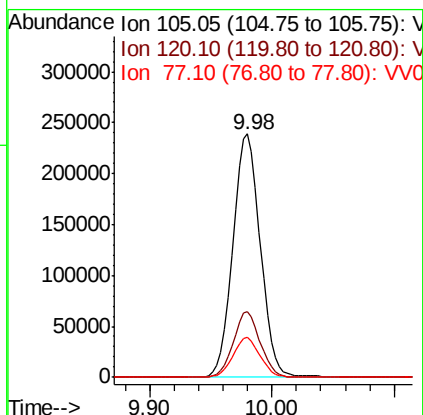
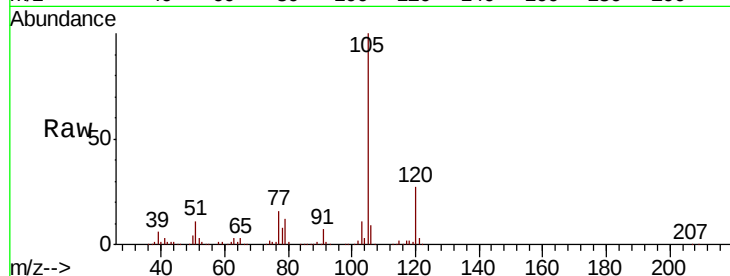
Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	373091
Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.1	31.7
77	16.0	13.0	19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 4.744 ug/L

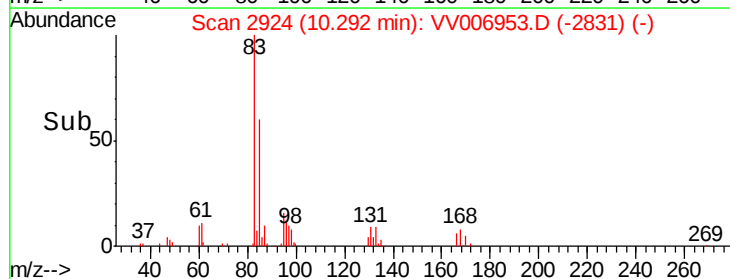
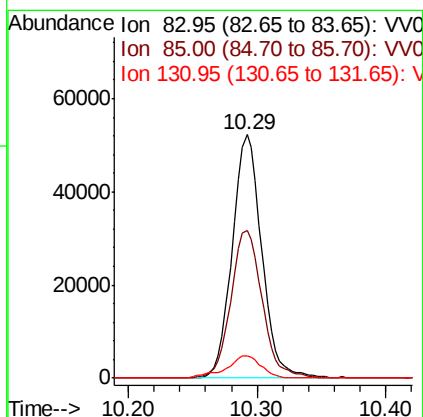
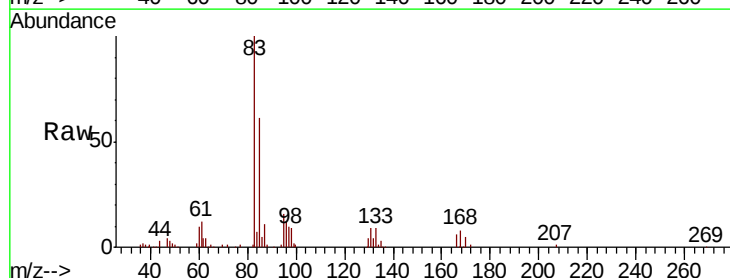
RT: 10.29 min Scan# 2924

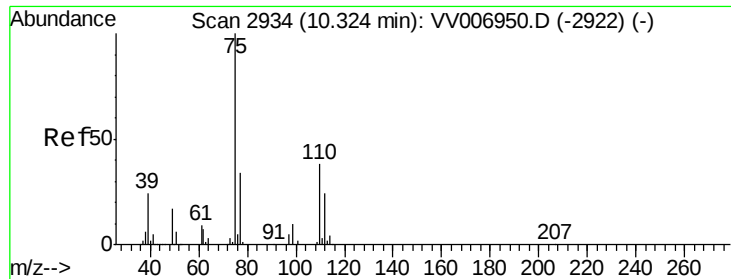
Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

Tgt Ion:	83	Resp:	82988
Ion	Ratio	Lower	Upper
83	100		
85	60.5	43.0	79.8
131	9.3	7.4	11.2





#59

1,2,3-Trichloropropane

Concen: 4.810 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

Instrument :

MSVOA_V

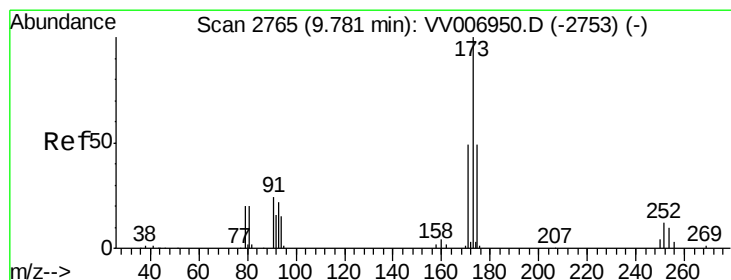
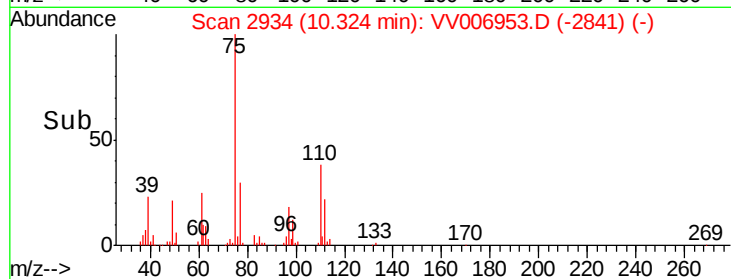
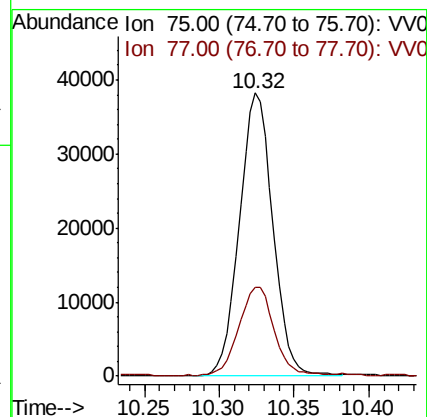
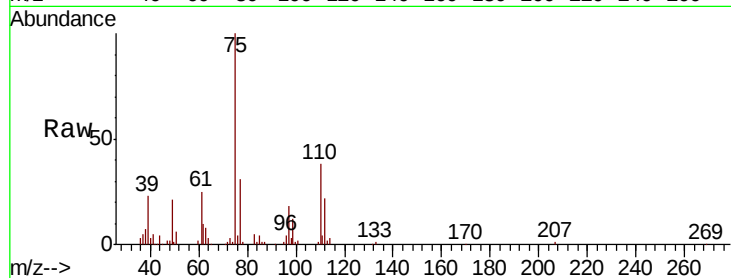
ClientSampleId :

Tot Ion: 75 Resp: 59572

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0



#61

Bromoform

Concen: 4.665 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

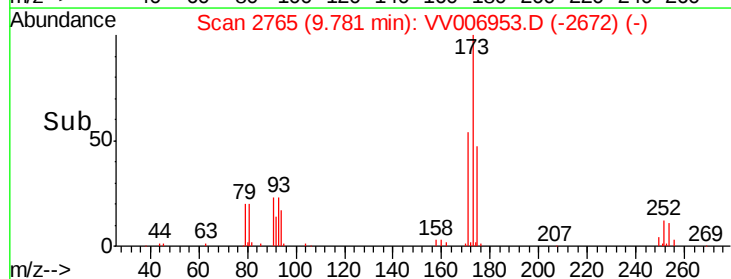
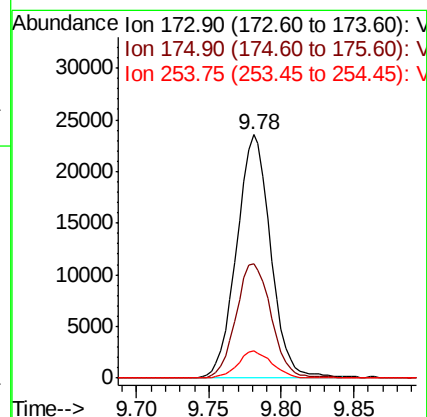
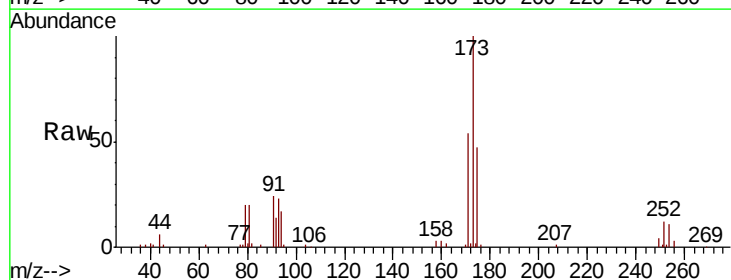
Tgt Ion: 173 Resp: 38371

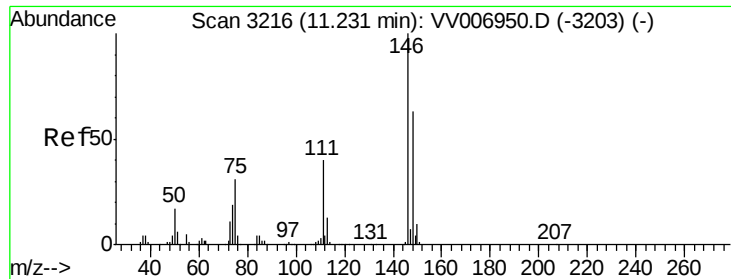
Ion Ratio Lower Upper

173 100

175 48.7 39.3 58.9

254 11.1 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 5.072 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

Instrument :

MSVOA_V

ClientSampled :

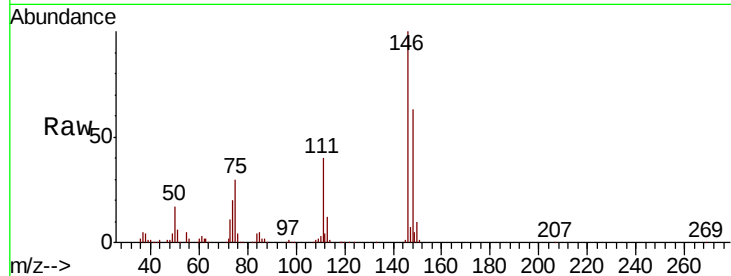
Tot Ion:146 Resp: 178238

Ion Ratio Lower Upper

146 100

111 39.8 28.1 52.3

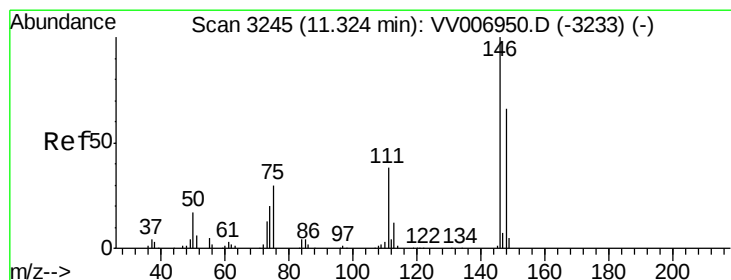
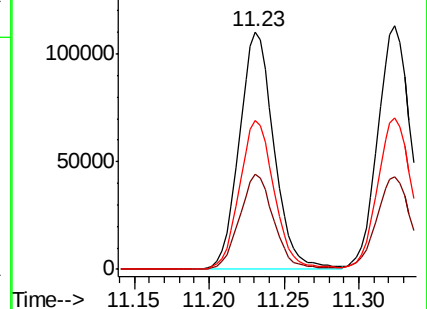
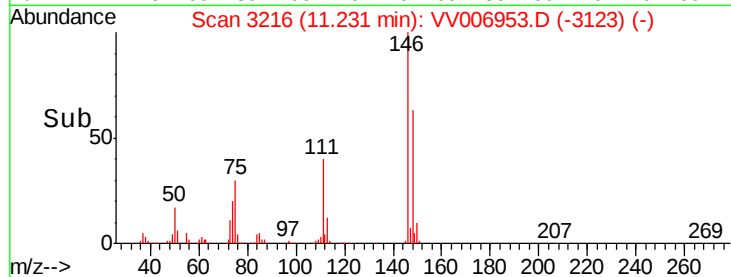
148 62.6 44.2 82.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.052 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

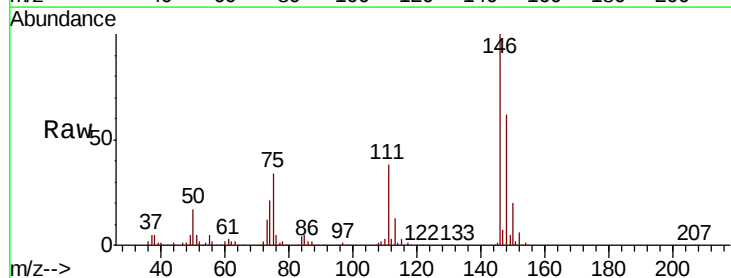
Tgt Ion:146 Resp: 181961

Ion Ratio Lower Upper

146 100

111 37.9 26.6 49.4

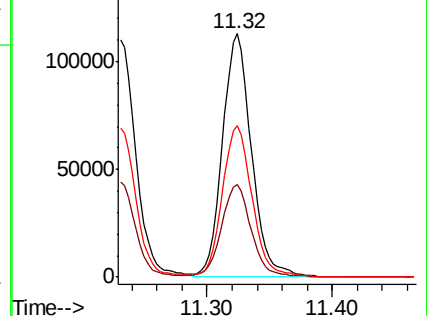
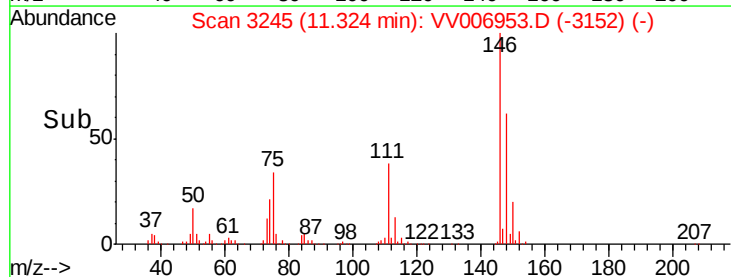
148 62.2 46.4 86.2

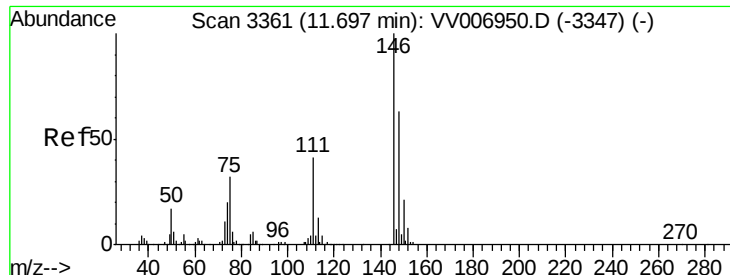


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.979 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006953.D

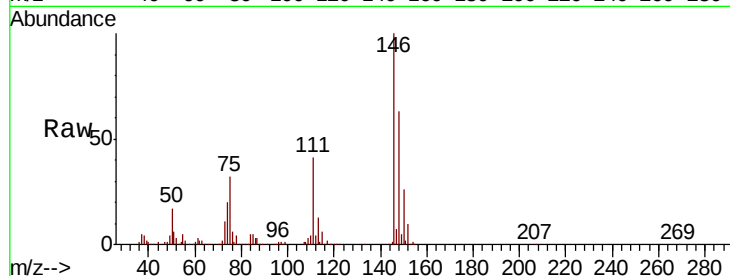
Acq: 09 Aug 2018 15:47

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:	146	Resp:	172117
Ion	Ratio	Lower	Upper
146	100		
111	41.5	33.0	49.6
148	63.4	50.6	75.8

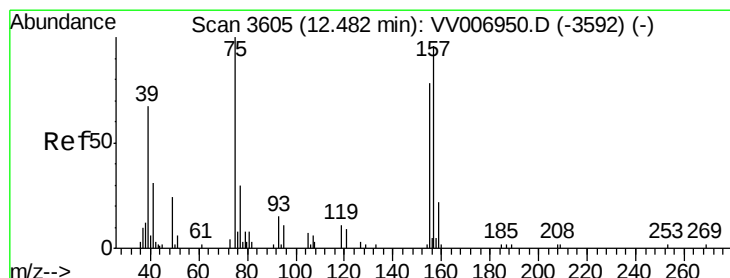
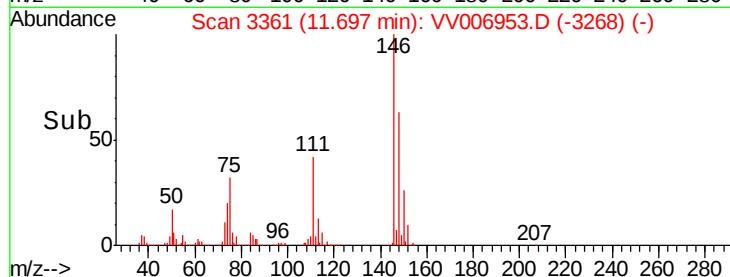
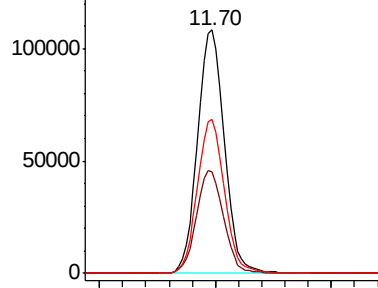


Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.383 ug/L

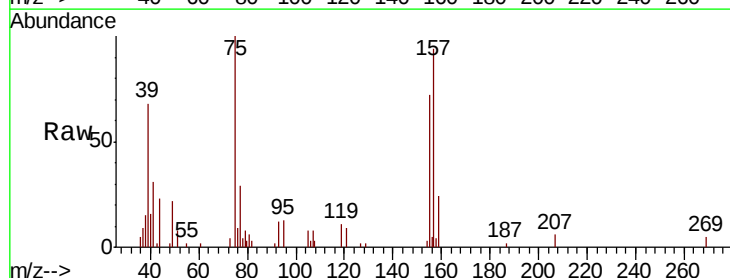
RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

Tgt Ion:	75	Resp:	10756
Ion	Ratio	Lower	Upper
75	100		
155	71.7	62.6	94.0
157	93.9	77.0	115.6

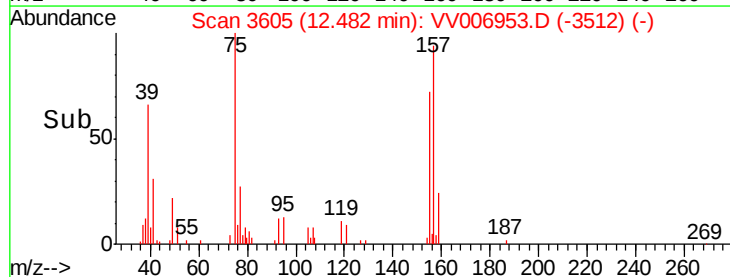
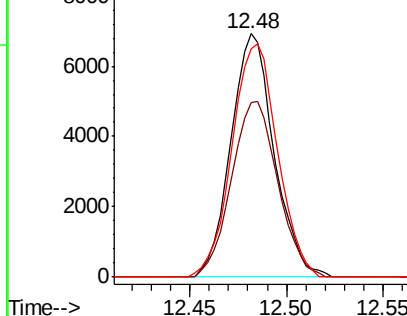


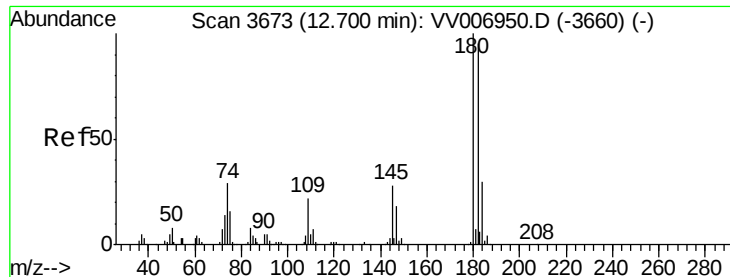
Abundance

Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

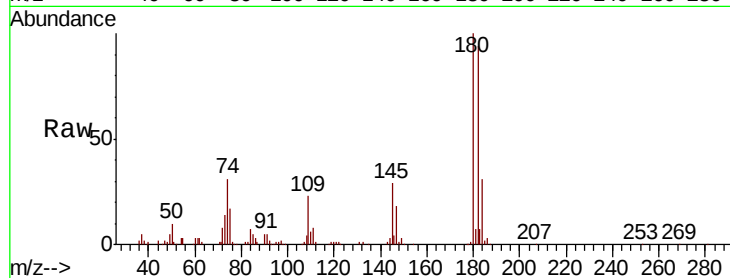




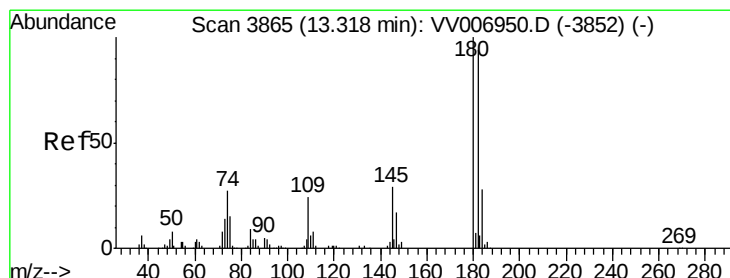
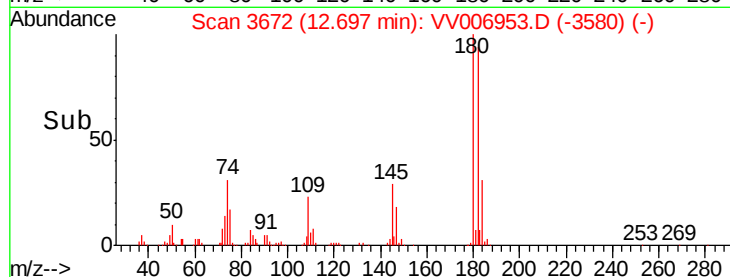
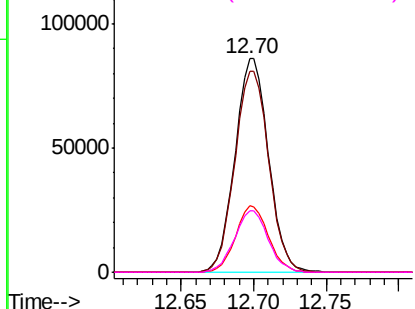
#67
 1,3,5-Trichlorobenzene
 Concen: 5.189 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV006953.D
 Acq: 09 Aug 2018 15:47

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180	Resp:	137991
Ion Ratio	Lower	Upper
180	100	
182	95.5	75.1 112.7
184	30.4	23.8 35.8
145	29.0	21.9 32.9

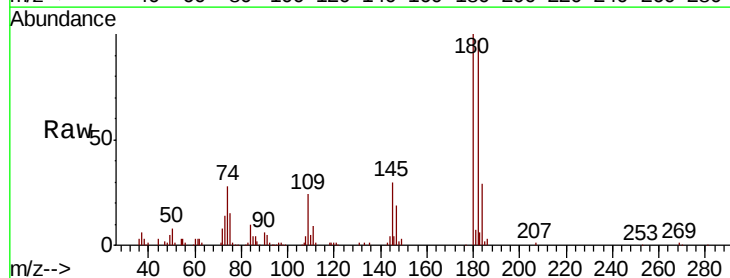


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

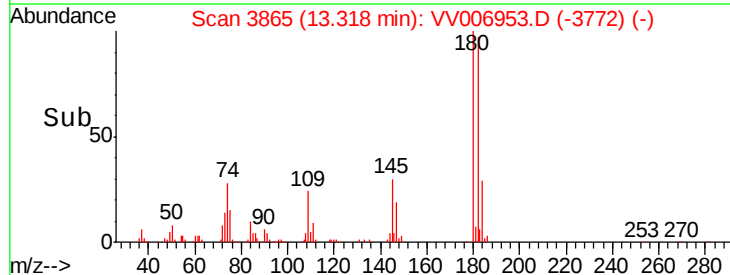
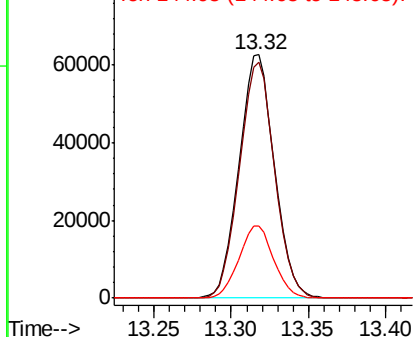


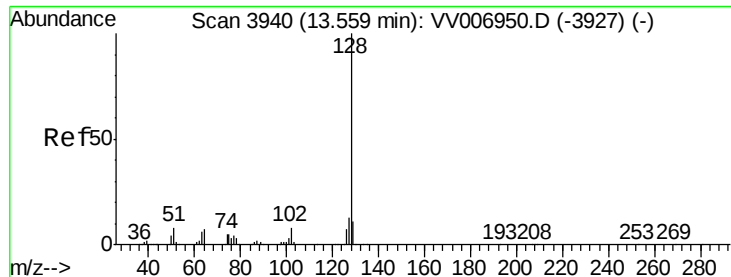
#68
 1,2,4-trichlorobenzene
 Concen: 5.108 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006953.D
 Acq: 09 Aug 2018 15:47

Tgt Ion:180	Resp:	99703
Ion Ratio	Lower	Upper
180	100	
182	96.4	76.5 114.7
145	29.2	23.6 35.4



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





#69

Naphthalene

Concen: 4.840 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

Instrument :

MSVOA_V

ClientSampled :

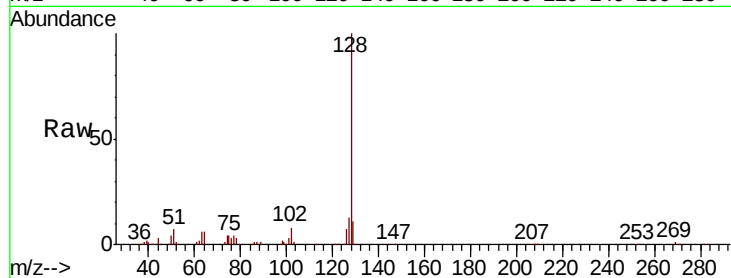
Tot Ion:128 Resp: 135657

Ion Ratio Lower Upper

128 100

129 11.4 8.5 12.7

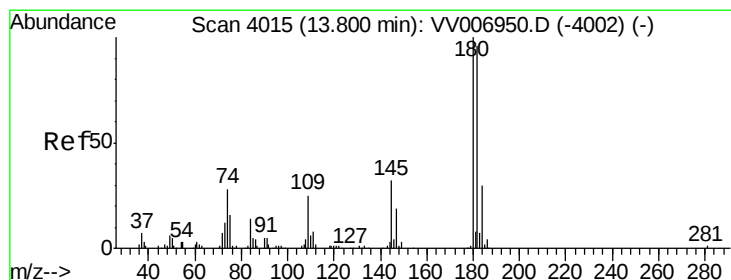
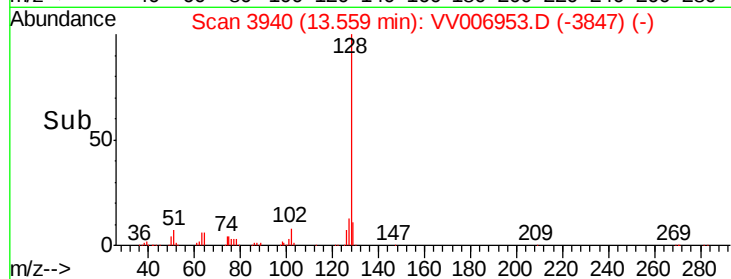
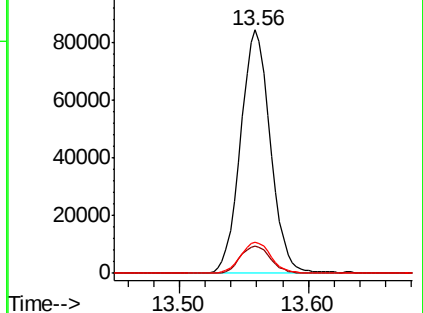
127 13.1 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.113 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006953.D

Acq: 09 Aug 2018 15:47

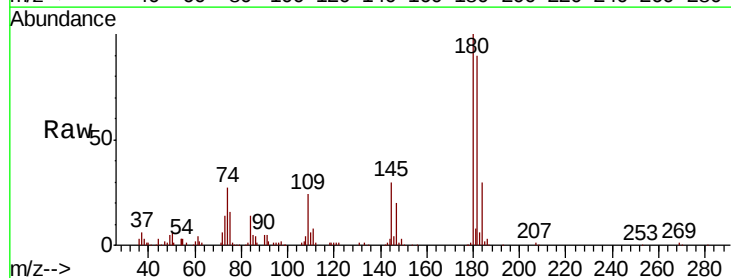
Tgt Ion:180 Resp: 96198

Ion Ratio Lower Upper

180 100

182 93.0 76.1 114.1

145 30.2 24.6 36.8



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

