

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080918\
 Data File : VV006954.D
 Acq On : 09 Aug 2018 16:23
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 10 02:29:22 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	246014	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	234935	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	105994	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77753	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.58	69	65067	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.13	63	145777	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.80%
20) 2-Butanone-d5	3.97	46	210027	45.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.98%
24) Chloroform-d	4.40	84	160870	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.09	65	82308	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.10	84	310661	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.12	67	104562	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.36	98	272181	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
43) trans-1,3-Dichloropropene-	7.67	79	36769	5.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.40%
46) 2-Hexanone-d5	8.15	63	150629	51.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.62%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	79456	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	91423	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	119406	4.984	ug/L 100
3) Chloromethane	1.25	50	109158	4.734	ug/L 100
5) Vinyl chloride	1.32	62	116544	4.891	ug/L 99
6) Bromomethane	1.54	94	26808	5.183	ug/L 99
8) Chloroethane	1.60	64	68778	4.757	ug/L 99
9) Trichlorofluoromethane	1.77	101	149596	4.933	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	91138	5.008	ug/L 98
12) 1,1-Dichloroethene	2.14	96	85129	4.819	ug/L 95
13) Acetone	2.21	43	101941	43.351	ug/L 99
14) Carbon disulfide	2.32	76	280267	4.806	ug/L 99
15) Methyl Acetate	2.47	43	29267	4.422	ug/L 99
16) Methylene chloride	2.54	84	94656	4.444	ug/L 99
17) Methyl tert-butyl Ether	2.82	73	203328	4.800	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	95053	5.025	ug/L 96
19) 1,1-Dichloroethane	3.23	63	161725	4.736	ug/L 98
21) 2-Butanone	4.06	43	230446	45.136	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	101677	4.737	ug/L 94

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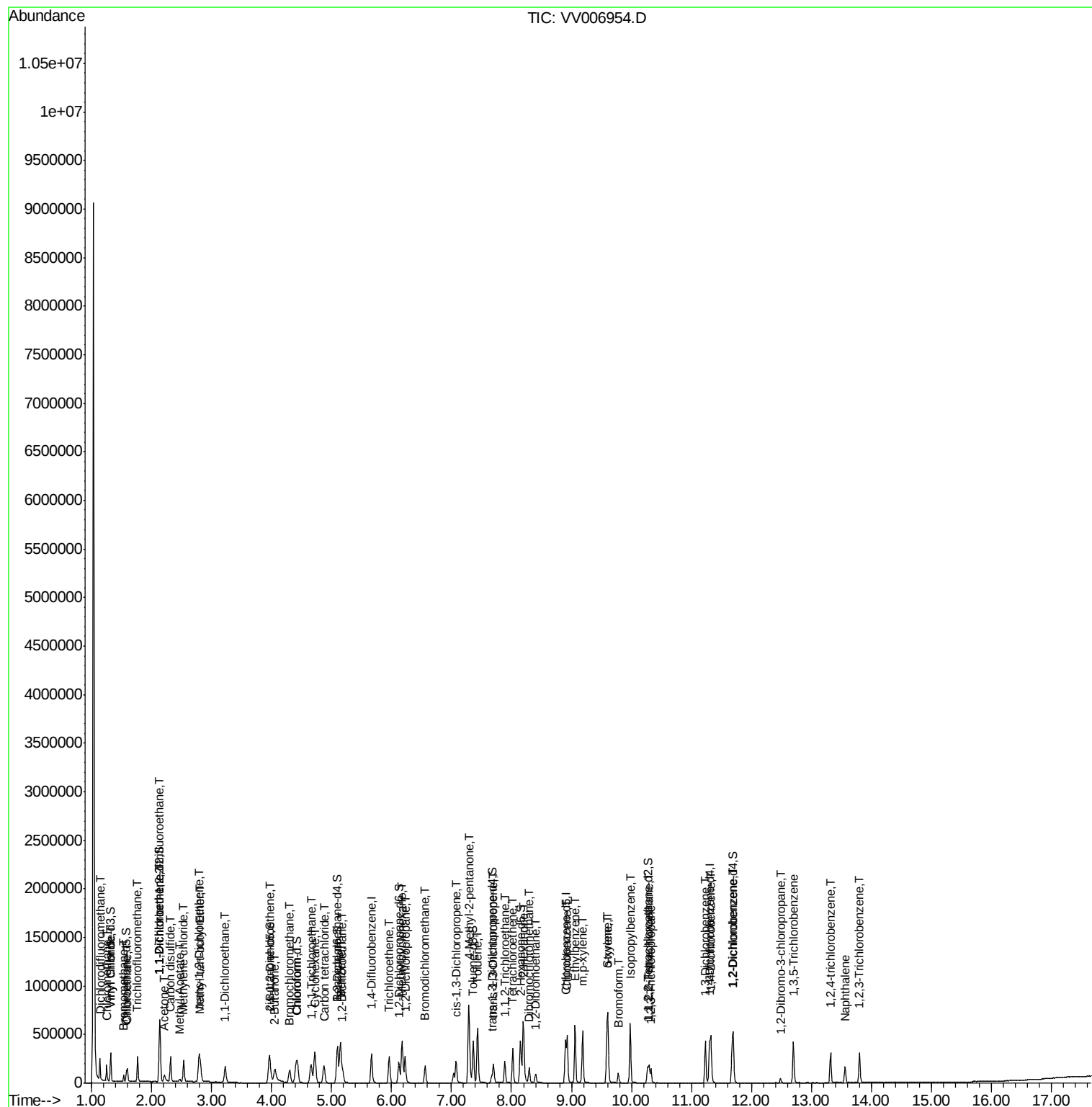
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	43721	4.997	ug/L	92
25) Chloroform	4.43	83	180164	4.822	ug/L	99
27) 1,2-Dichloroethane	5.19	62	110365	4.736	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	150876	4.816	ug/L	99
30) Cyclohexane	4.72	56	159827	4.902	ug/L	99
31) Carbon tetrachloride	4.88	117	128662	4.897	ug/L	99
33) Benzene	5.15	78	411276	5.053	ug/L	100
34) Trichloroethene	5.96	95	97474	4.994	ug/L	98
35) Methylcyclohexane	6.18	83	159440	5.089	ug/L	99
37) 1,2-Dichloropropane	6.23	63	109365	4.909	ug/L	99
38) Bromodichloromethane	6.56	83	123231	4.868	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	133768	4.970	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	607335	50.466	ug/L	99
42) Toluene	7.43	91	406157	5.193	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	111962	5.068	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	66766	4.607	ug/L	94
47) Tetrachloroethene	8.02	164	78389	4.954	ug/L	98
48) 2-Hexanone	8.20	43	442918	52.183	ug/L	99
49) Dibromochloromethane	8.30	129	73788	4.853	ug/L	100
50) 1,2-Dibromoethane	8.40	107	60165	4.914	ug/L	99
51) Chlorobenzene	8.93	112	247269	4.960	ug/L	98
52) Ethylbenzene	9.06	91	395165	5.060	ug/L	99
53) m,p-xylene	9.19	106	147793	5.076	ug/L	97
54) o-xylene	9.59	106	140045	5.077	ug/L	97
55) Styrene	9.61	104	239652	5.154	ug/L	97
56) Isopropylbenzene	9.98	105	369742	5.109	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	86163	4.891	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	60222	4.829	ug/L	99
61) Bromoform	9.78	173	39384	4.906	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	174927	5.100	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	178389	5.074	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	169379	5.021	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11712	4.890	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	136995	5.278	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	98976	5.195	ug/L	99
69) Naphthalene	13.56	128	137717	5.034	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	96105	5.233	ug/L	100

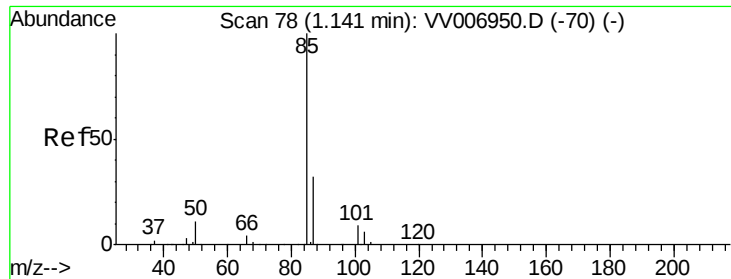
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.984 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

Instrument :

MSVOA_V

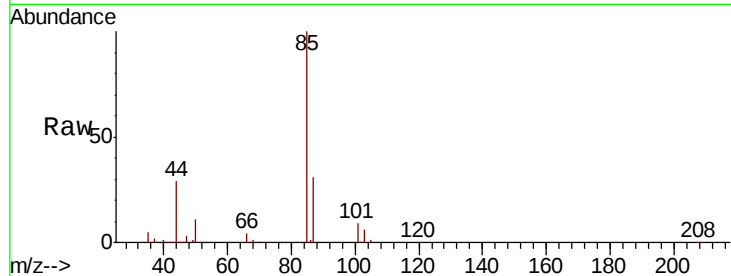
ClientSampleId :

Tot Ion: 85 Resp: 119406

Ion Ratio Lower Upper

85 100

87 31.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV006950.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006950.D (-70) (-)

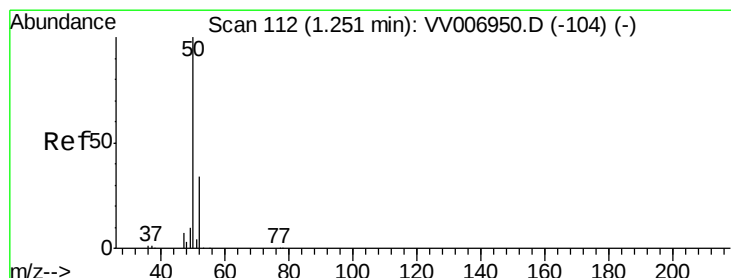
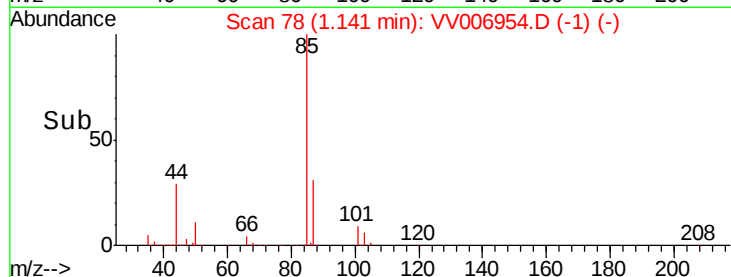
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.734 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV006954.D

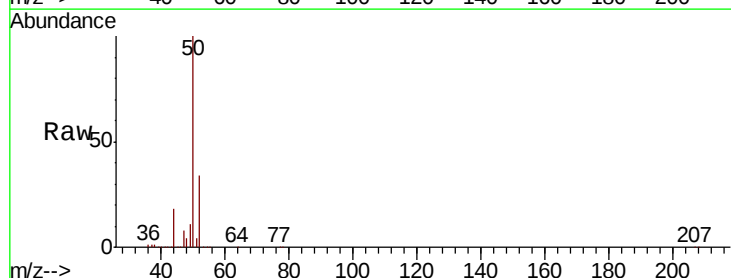
Acq: 09 Aug 2018 16:23

Tgt Ion: 50 Resp: 109158

Ion Ratio Lower Upper

50 100

52 33.6 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VV006950.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV006950.D (-104) (-)

120000

100000

80000

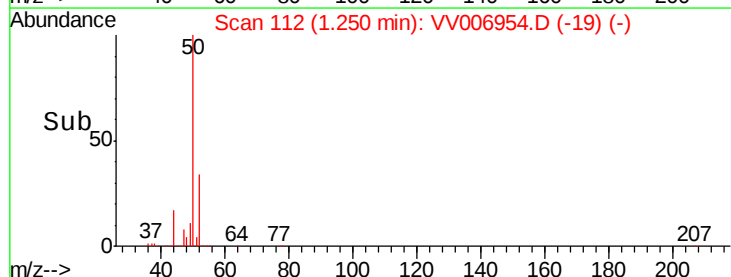
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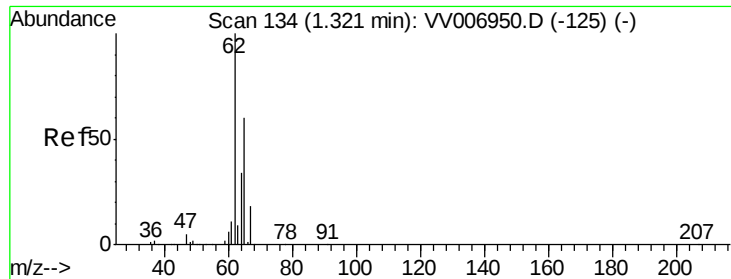
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 4.891 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

Instrument :

MSVOA_V

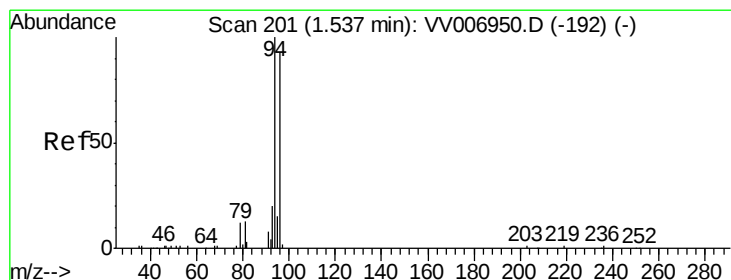
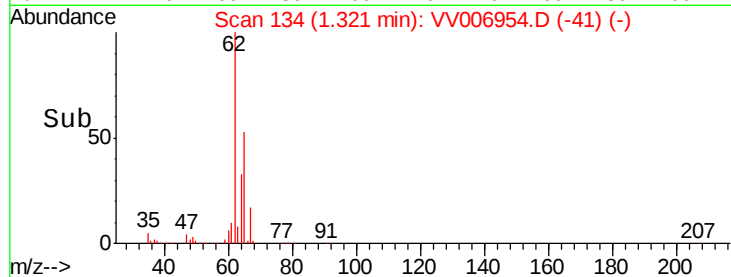
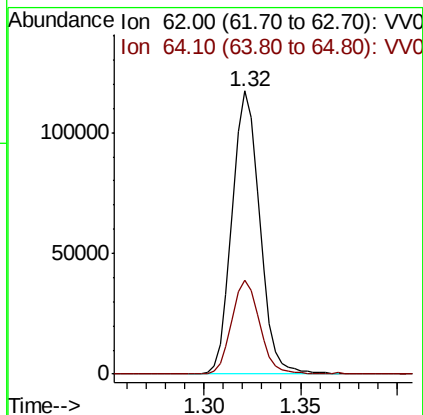
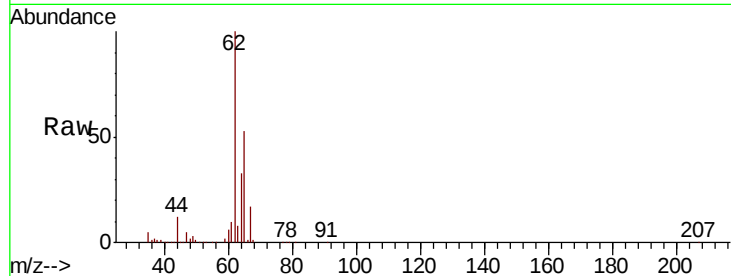
ClientSampleId :

Tot Ion: 62 Resp: 116544

Ion Ratio Lower Upper

62 100

64 33.2 23.5 43.7



#6

Bromomethane

Concen: 5.183 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV006954.D

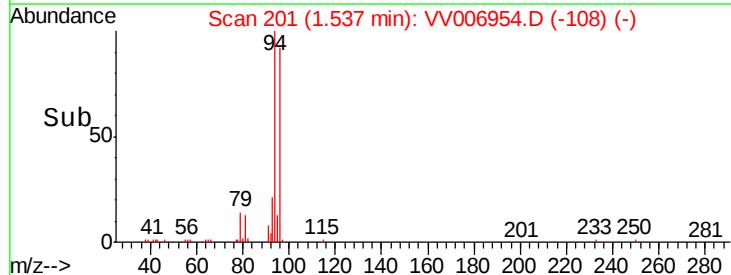
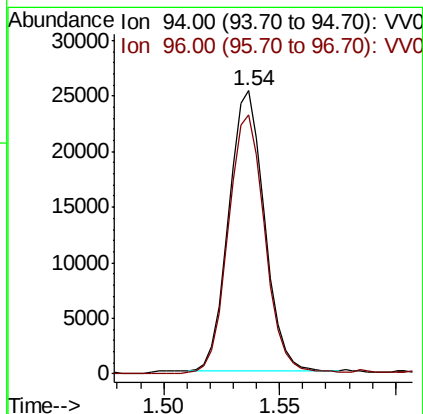
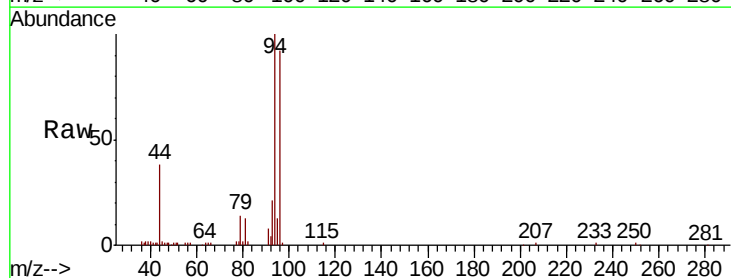
Acq: 09 Aug 2018 16:23

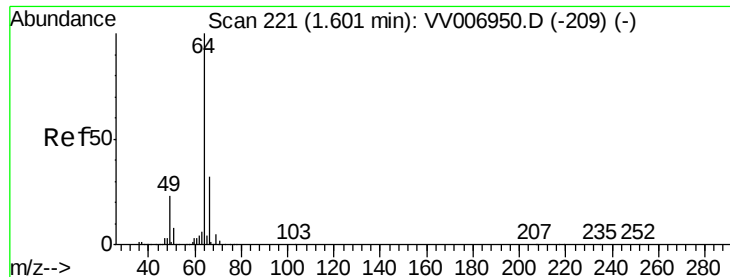
Tgt Ion: 94 Resp: 26808

Ion Ratio Lower Upper

94 100

96 91.7 65.0 120.6

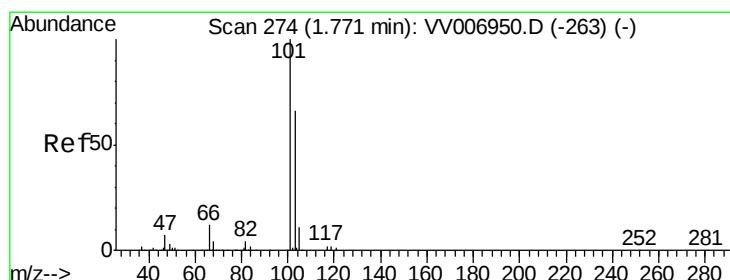
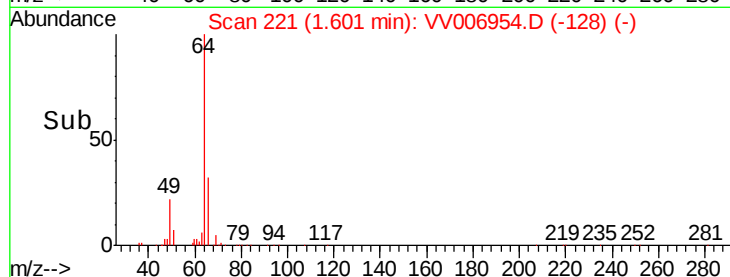
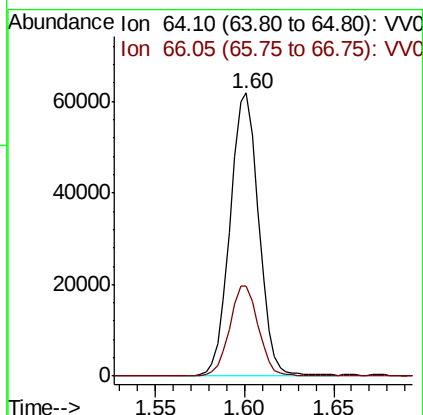
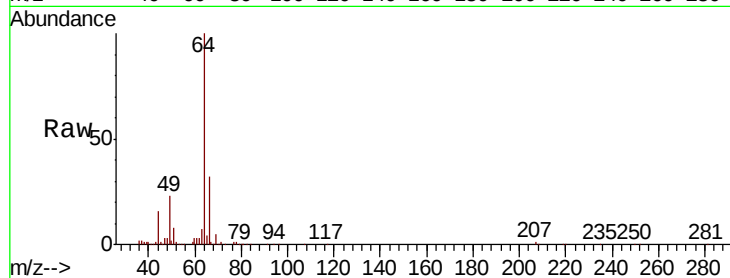




#8
Chloroethane
Concen: 4.757 ug/L
RT: 1.60 min Scan# 221
Delta R.T. -0.00 min
Lab File: VV006954.D
Acq: 09 Aug 2018 16:23

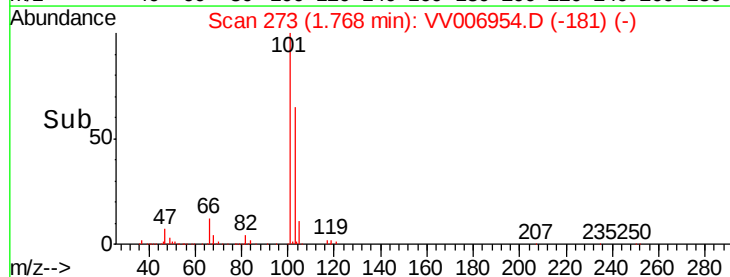
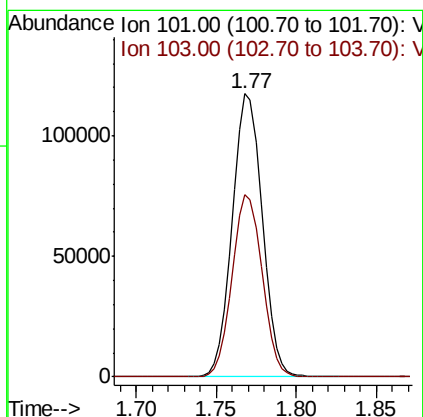
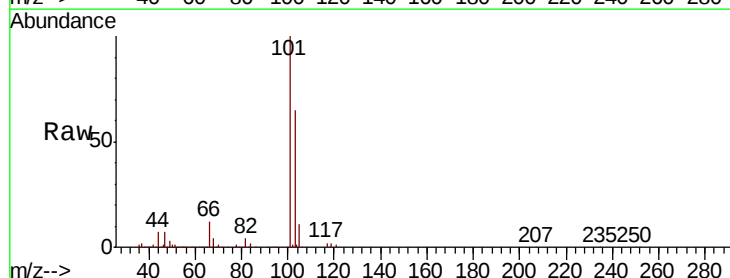
Instrument :
MSVOA_V
ClientSampleId :

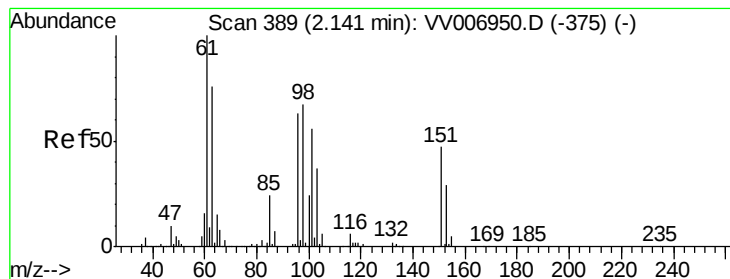
Tot Ion: 64 Resp: 68778
Ion Ratio Lower Upper
64 100
66 31.9 22.6 42.0



#9
Trichlorofluoromethane
Concen: 4.933 ug/L
RT: 1.77 min Scan# 273
Delta R.T. -0.00 min
Lab File: VV006954.D
Acq: 09 Aug 2018 16:23

Tgt Ion:101 Resp: 149596
Ion Ratio Lower Upper
101 100
103 64.6 52.7 79.1





#10

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

Concen: 5.008 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

Instrument :

MSVOA_V

ClientSampleId :

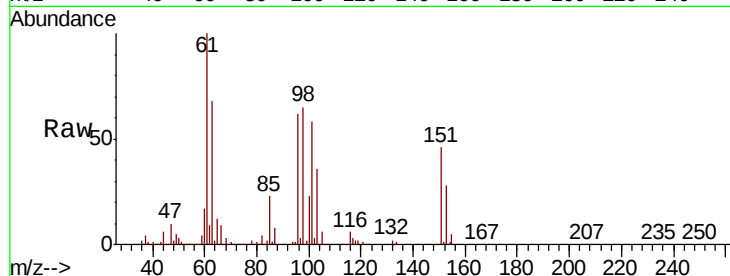
Tot Ion:101 Resp: 91138

Ion Ratio Lower Upper

101 100

85 40.4 33.9 50.9

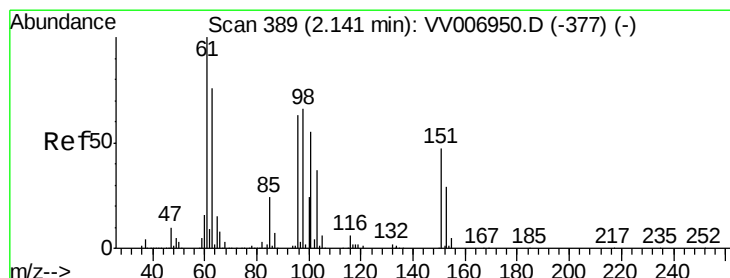
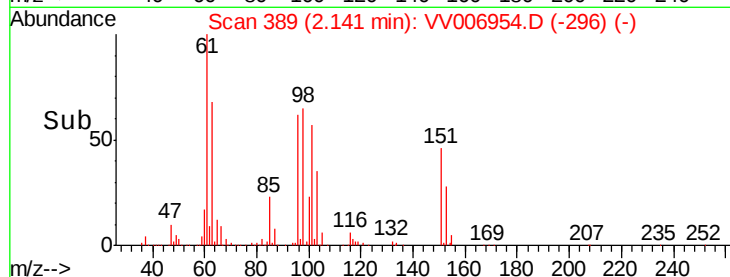
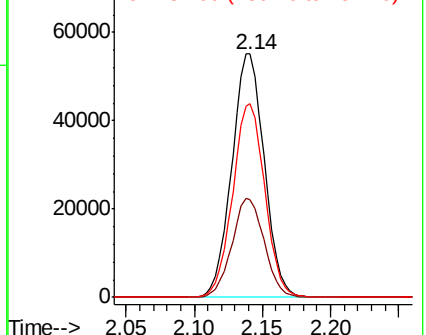
151 78.8 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): VV006950.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV006950.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV006950.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 4.819 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

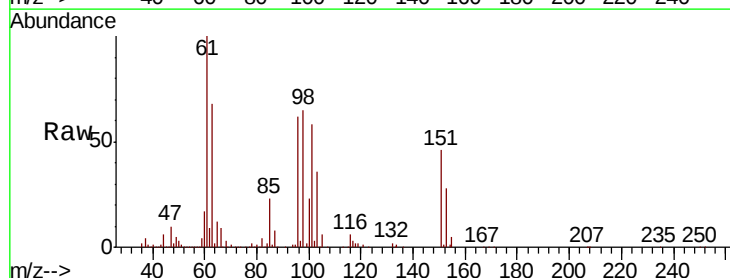
Tgt Ion: 96 Resp: 85129

Ion Ratio Lower Upper

96 100

61 160.3 111.6 207.4

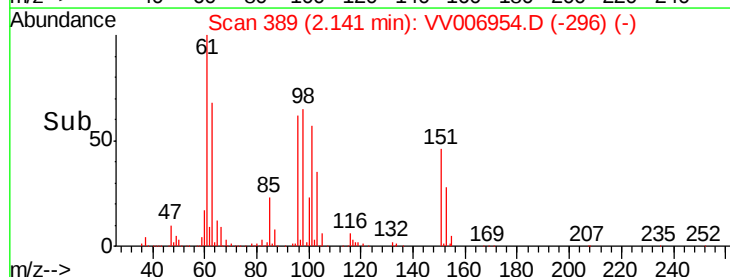
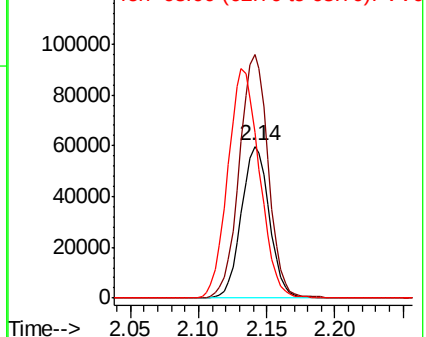
63 108.8 84.9 157.7

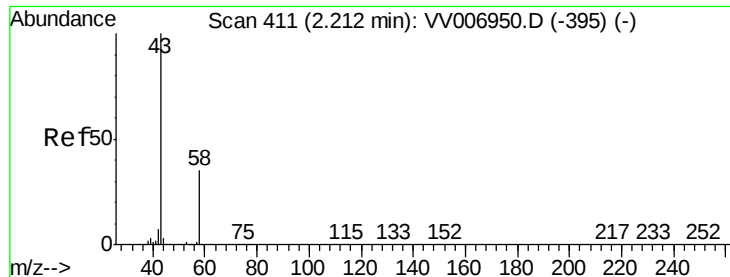


Abundance Ion 96.00 (95.70 to 96.70): VV006950.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VV006950.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VV006950.D (-377) (-)





#13

Acetone

Concen: 43.351 ug/L

RT: 2.21 min Scan# 411

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

Instrument :

MSVOA_V

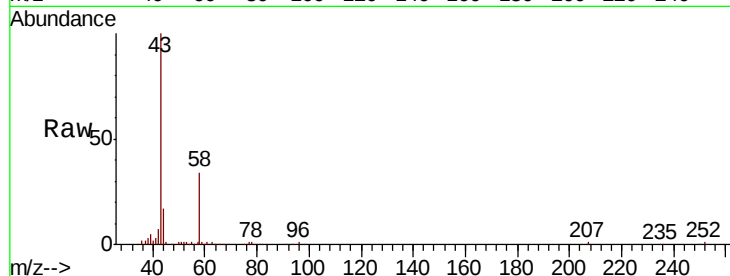
ClientSampleId :

Tot Ion: 43 Resp: 101941

Ion Ratio Lower Upper

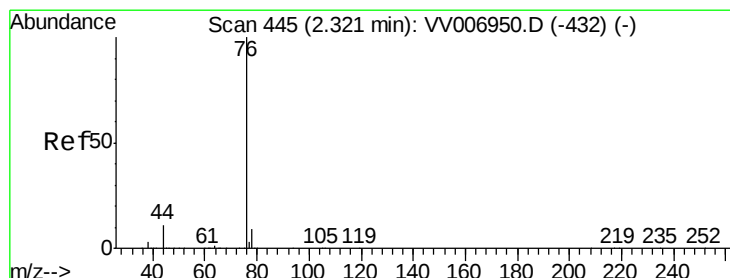
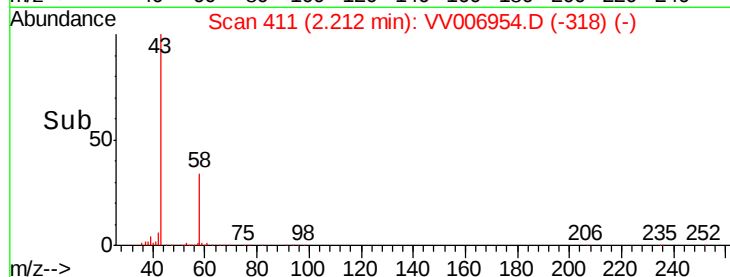
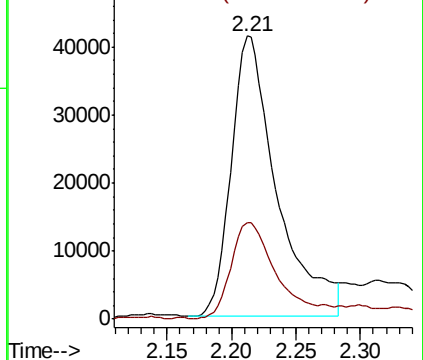
43 100

58 35.2 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



#14

Carbon disulfide

Concen: 4.806 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006954.D

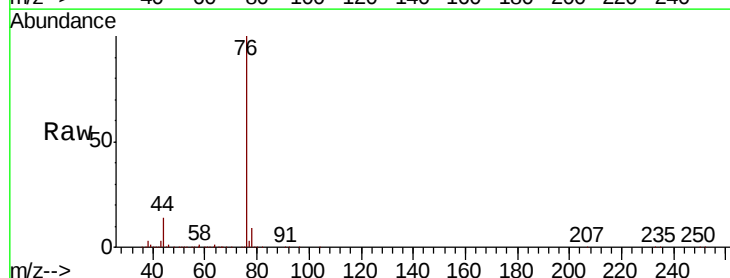
Acq: 09 Aug 2018 16:23

Tgt Ion: 76 Resp: 280267

Ion Ratio Lower Upper

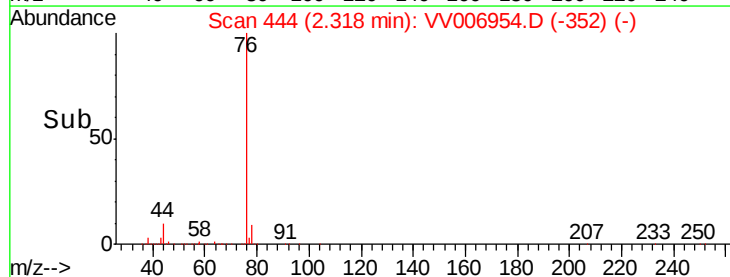
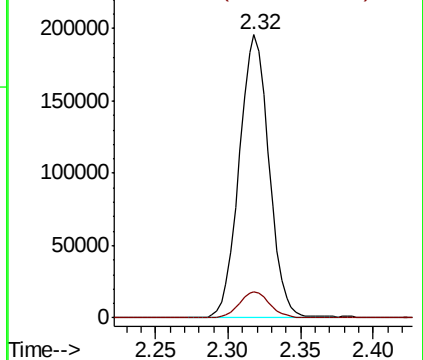
76 100

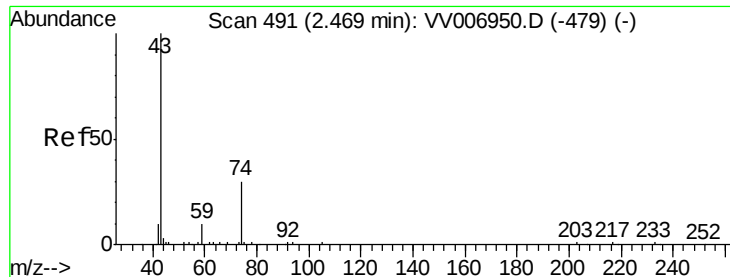
78 9.2 7.6 11.4



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

Ion 78.00 (77.70 to 78.70): VV006950.D

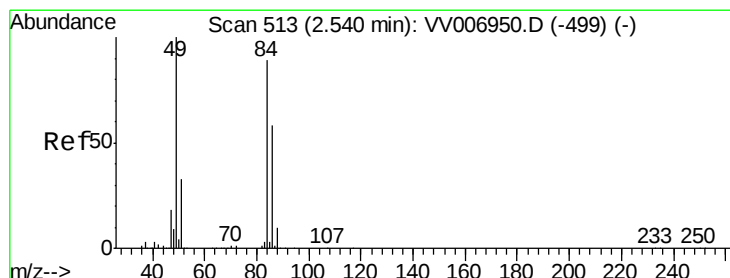
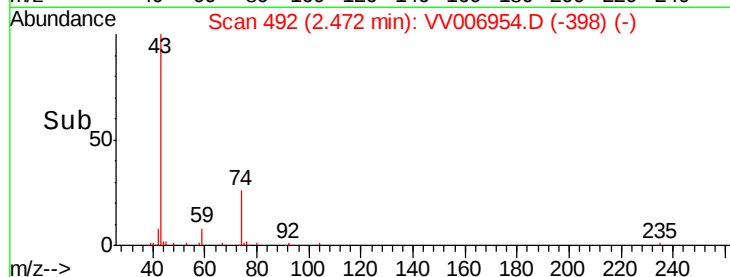
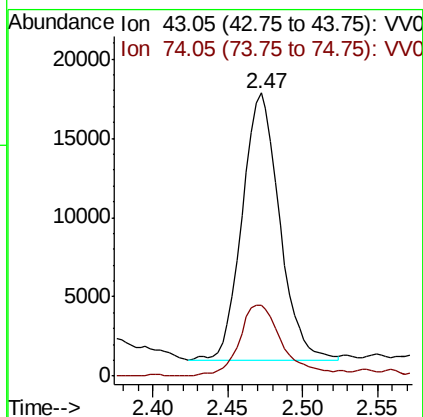
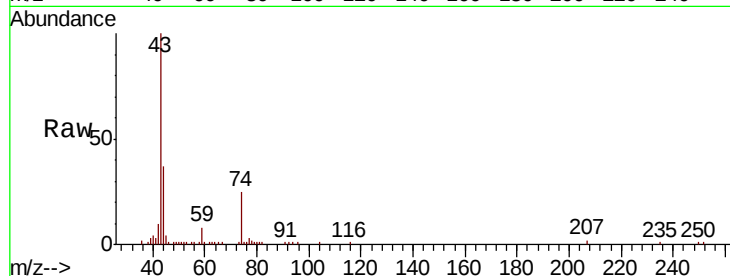




#15
Methvl Acetate
Concen: 4.422 ug/L
RT: 2.47 min Scan# 492
Delta R.T. 0.00 min
Lab File: VV006954.D
Acq: 09 Aug 2018 16:23

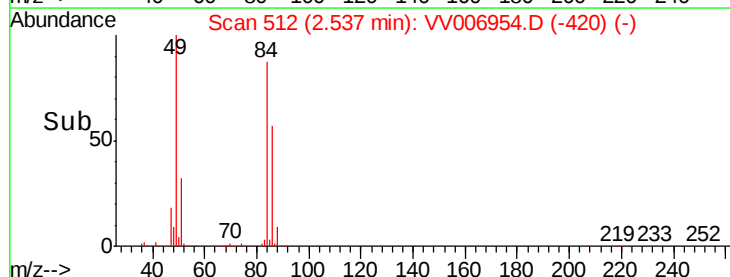
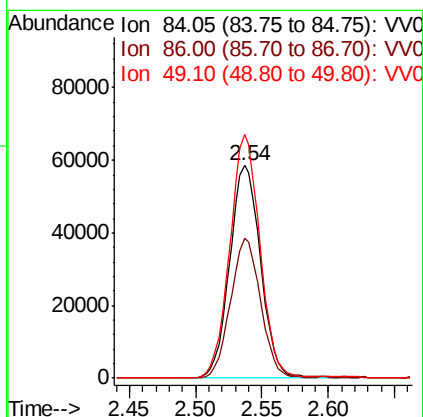
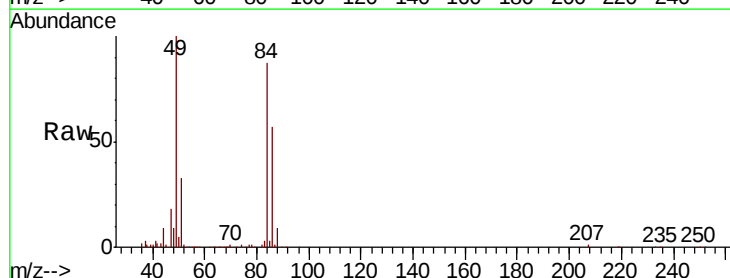
Instrument :
MSVOA_V
ClientSampled :

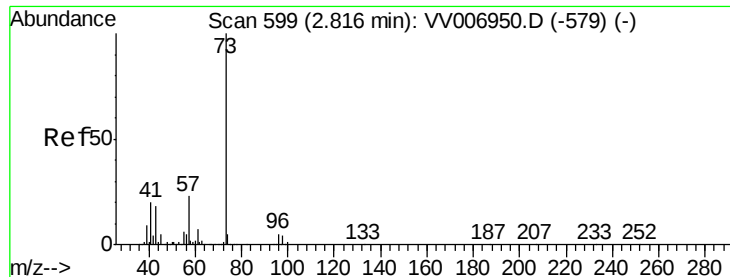
Tot Ion: 43 Resp: 29267
Ion Ratio Lower Upper
43 100
74 31.6 24.6 37.0



#16
Methylene chloride
Concen: 4.444 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV006954.D
Acq: 09 Aug 2018 16:23

Tgt Ion: 84 Resp: 94656
Ion Ratio Lower Upper
84 100
86 65.6 45.7 84.9
49 114.6 78.8 146.4



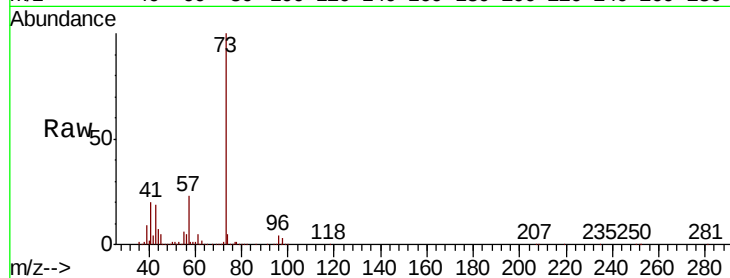


#17

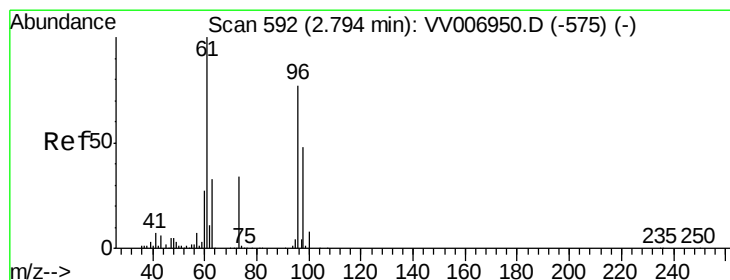
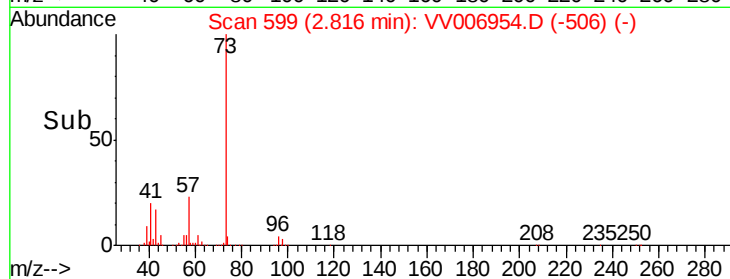
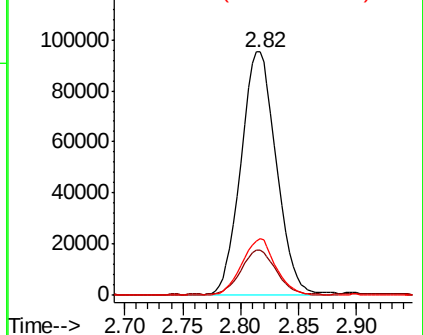
Methvl tert-butvl Ether
 Concen: 4.800 ug/L
 RT: 2.82 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.0	14.4	21.6
57	21.9	17.9	26.9



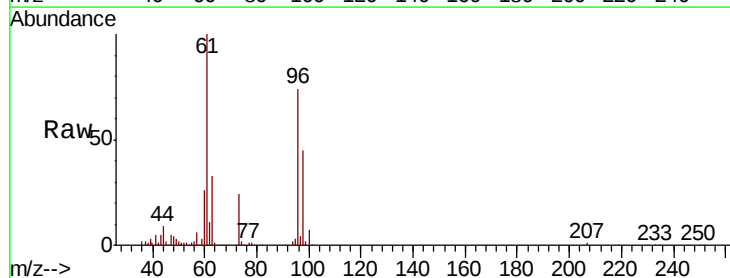
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



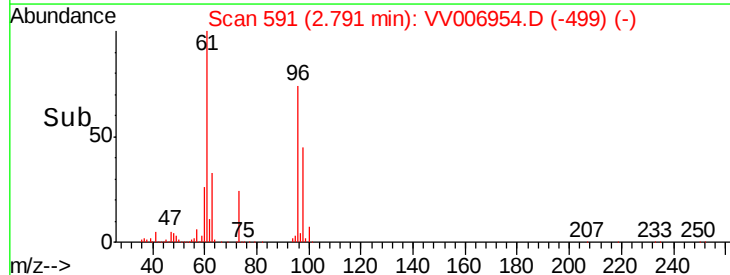
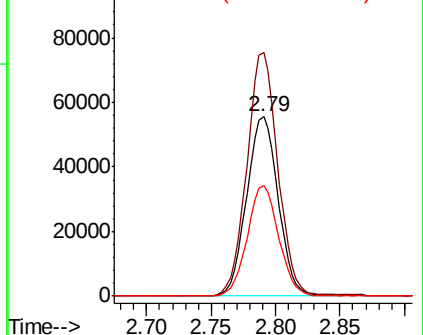
#18

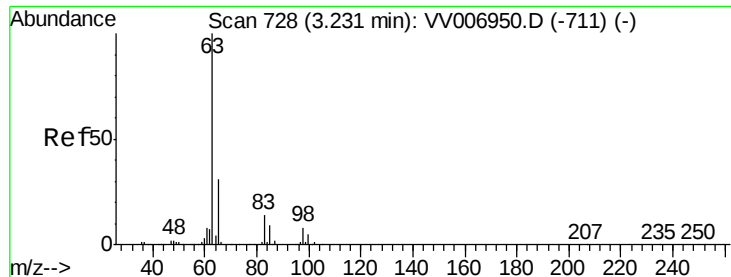
trans-1,2-Dichloroethene
 Concen: 5.025 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.0	91.1	169.3
98	61.8	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: 4.736 ug/L

RT: 3.23 min Scan# 727

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

Instrument :

MSVOA_V

ClientSampled :

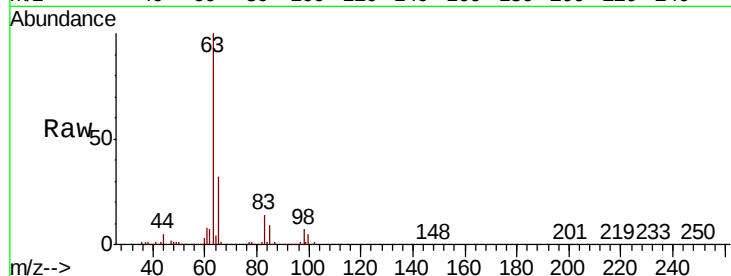
Tot Ion: 63 Resp: 161725

Ion Ratio Lower Upper

63 100

65 32.3 21.7 40.3

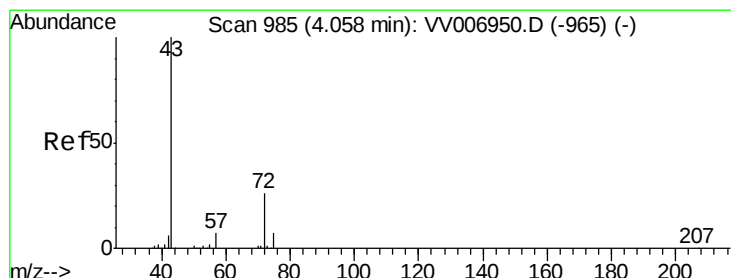
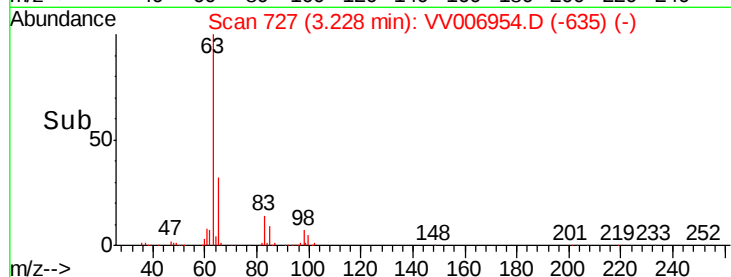
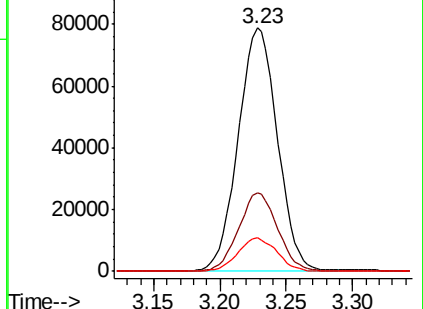
83 13.7 10.0 18.6



Abundance Ion 63.10 (62.80 to 63.80): VV006950.D (-711) (-)

Ion 65.10 (64.80 to 65.80): VV006950.D (-711) (-)

Ion 83.05 (82.75 to 83.75): VV006950.D (-711) (-)



#21

2-Butanone

Concen: 45.136 ug/L

RT: 4.06 min Scan# 985

Delta R.T. -0.00 min

Lab File: VV006954.D

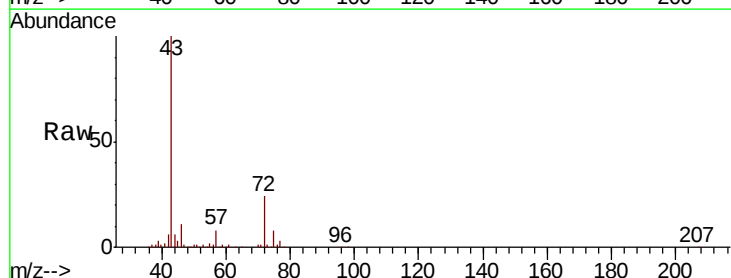
Acq: 09 Aug 2018 16:23

Tgt Ion: 43 Resp: 230446

Ion Ratio Lower Upper

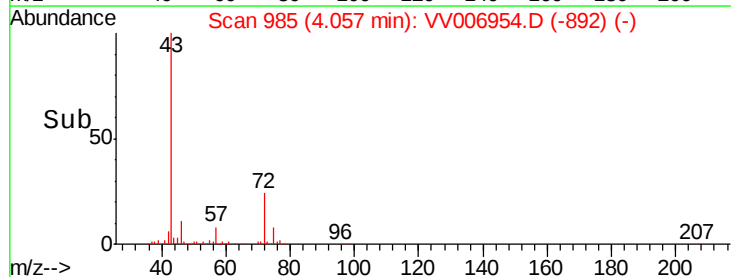
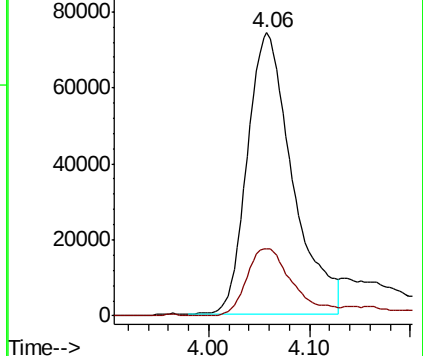
43 100

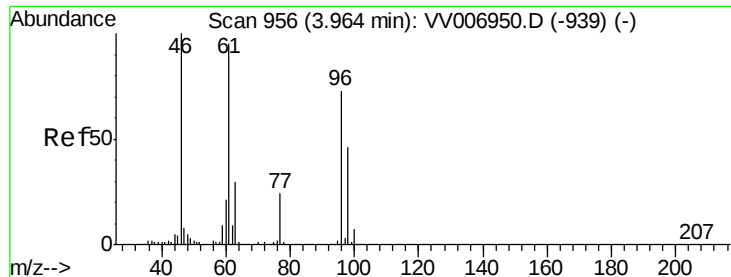
72 24.6 12.4 37.2



Abundance Ion 43.05 (42.75 to 43.75): VV006950.D (-965) (-)

Ion 72.10 (71.80 to 72.80): VV006950.D (-965) (-)



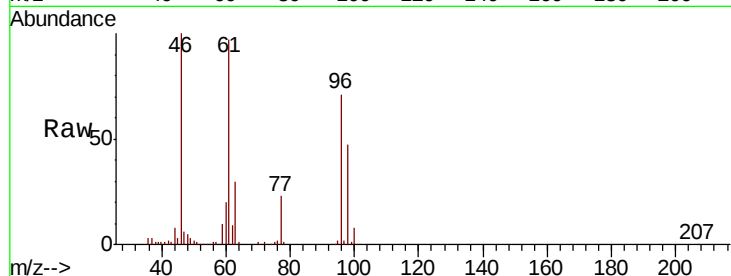


#22

cis-1,2-Dichloroethene
 Concen: 4.737 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	96	Resp	101677
Ion	Ratio	Lower	Upper
96	100		
61	137.0	91.1	169.1
68	0.0	0.0	0.0

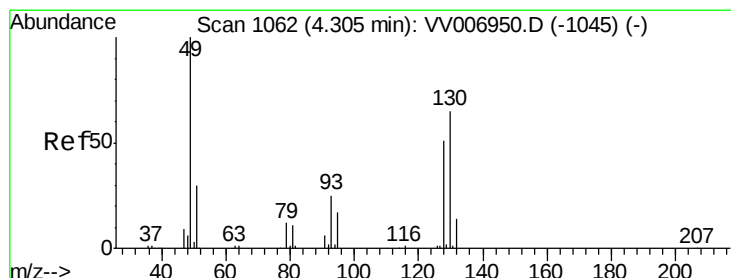
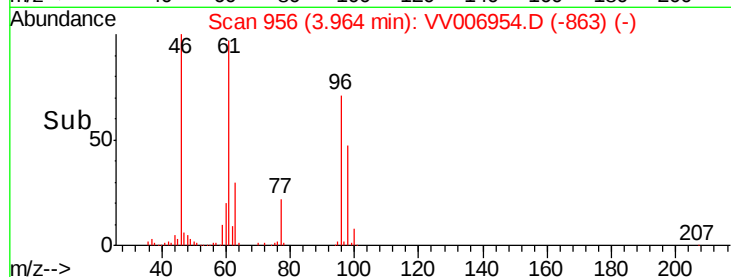
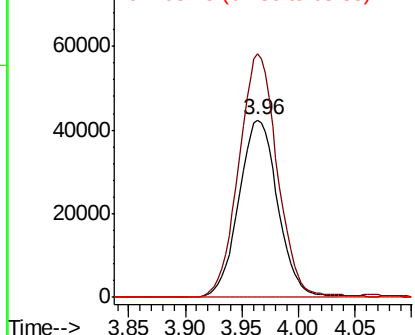


Abundance

Ion 96.00 (95.70 to 96.70): VV006954.D (-939) (-)

Ion 61.05 (60.75 to 61.75): VV006954.D (-939) (-)

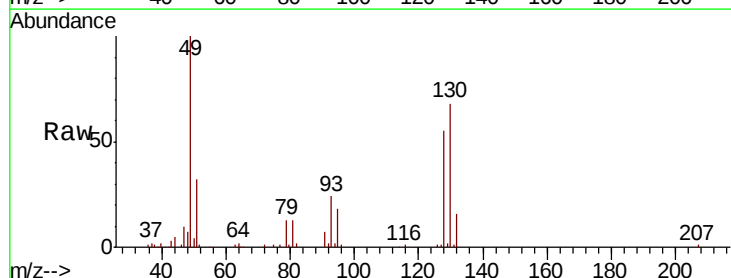
Ion 68.15 (67.85 to 68.85): VV006954.D (-939) (-)



#23

Bromochloromethane
 Concen: 4.997 ug/L
 RT: 4.30 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

Tgt Ion	128	Resp	43721
Ion	Ratio	Lower	Upper
128	100		
49	180.2	138.6	257.4
130	122.3	90.0	167.2
51	56.8	46.9	70.3



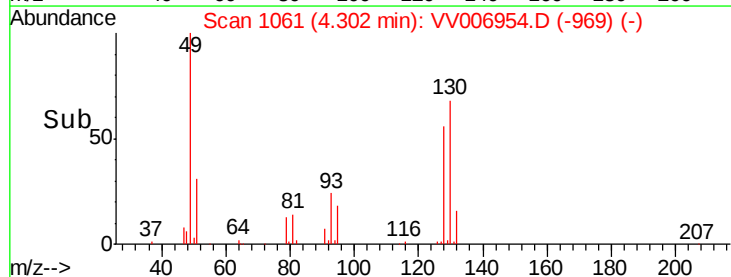
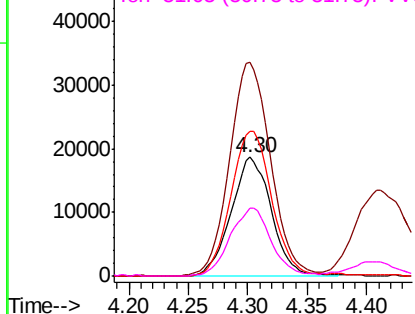
Abundance

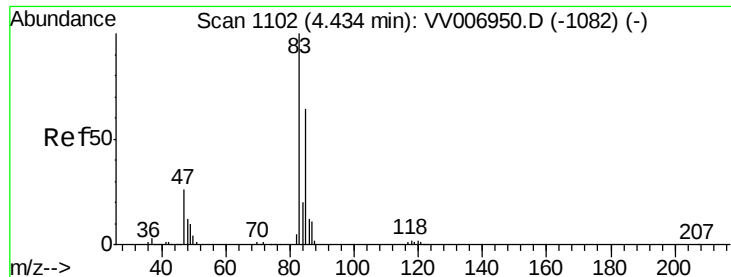
Ion 127.90 (127.60 to 128.60): VV006954.D (-969) (-)

Ion 49.10 (48.80 to 49.80): VV006954.D (-969) (-)

Ion 129.95 (129.65 to 130.65): VV006954.D (-969) (-)

Ion 51.05 (50.75 to 51.75): VV006954.D (-969) (-)





#25

Chloroform

Concen: 4.822 ug/L

RT: 4.43 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

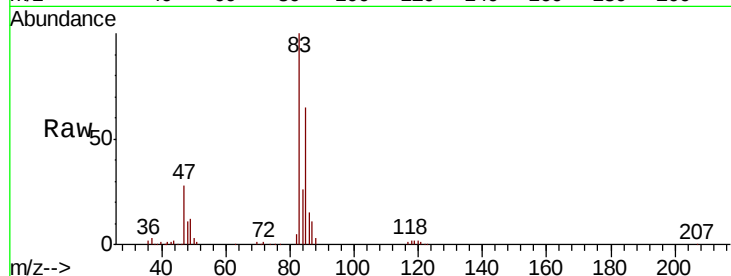
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 180164

Ion Ratio Lower Upper

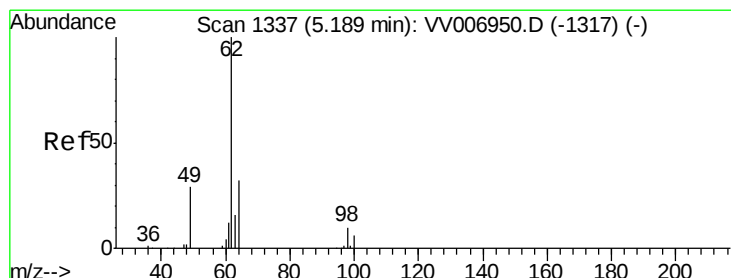
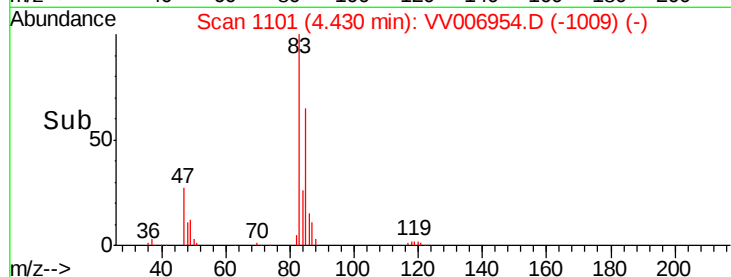
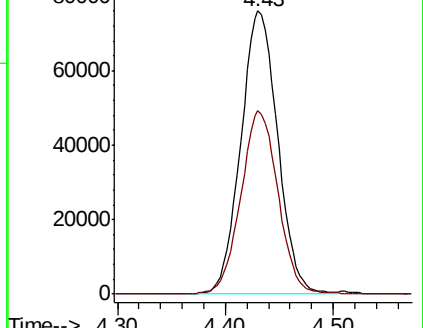
83 100

85 64.9 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VV006950.D (-1082) (-)

Ion 85.00 (84.70 to 85.70): VV006950.D (-1082) (-)



#27

1,2-Dichloroethane

Concen: 4.736 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV006954.D

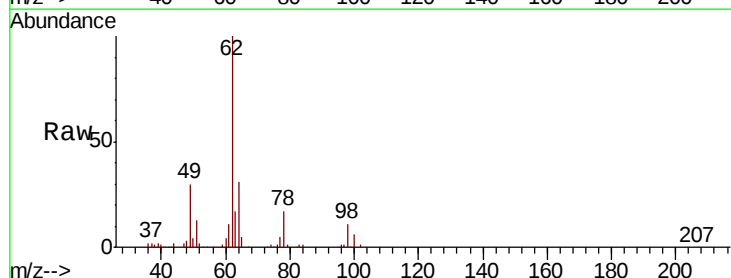
Acq: 09 Aug 2018 16:23

Tgt Ion: 62 Resp: 110365

Ion Ratio Lower Upper

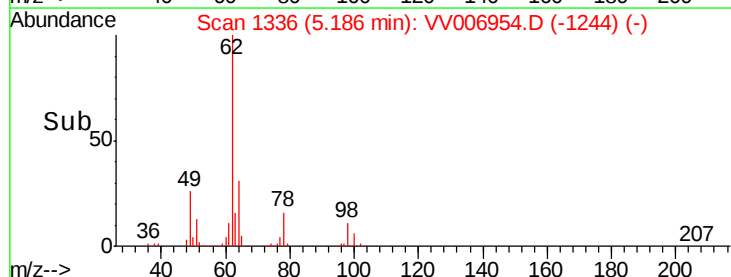
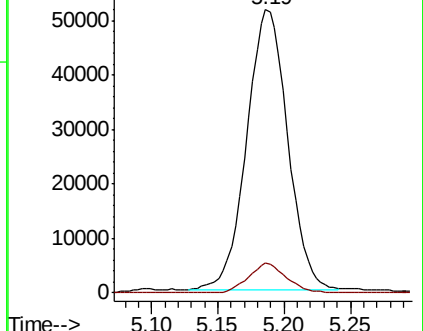
62 100

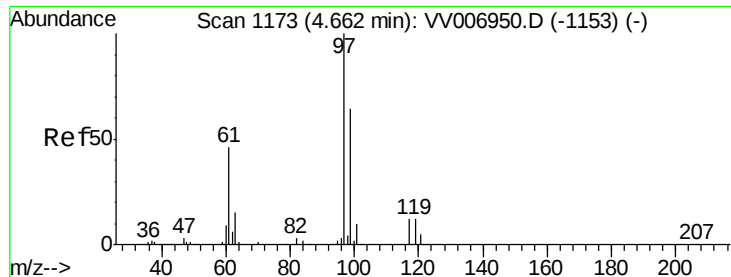
98 10.6 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VV006950.D (-1317) (-)

Ion 98.05 (97.75 to 98.75): VV006950.D (-1317) (-)

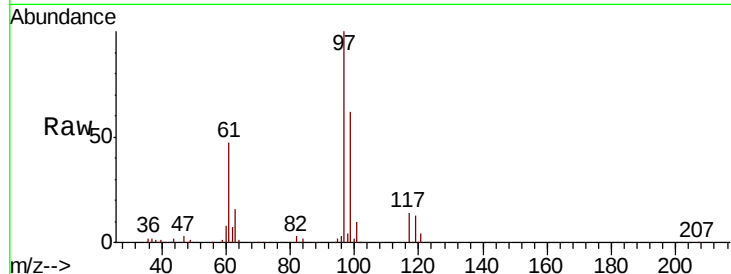




#29
 1,1,1-Trichloroethane
 Concen: 4.816 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	97	Resp	150876
Ion Ratio	Lower	Upper	
97	100		
99	63.3	51.0	76.6
61	46.9	36.6	54.8

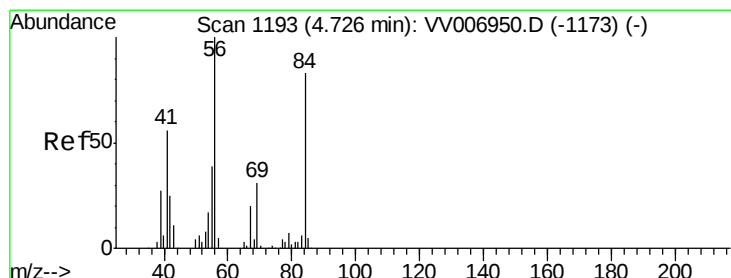
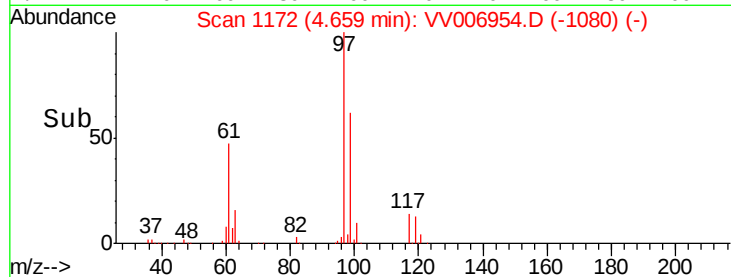
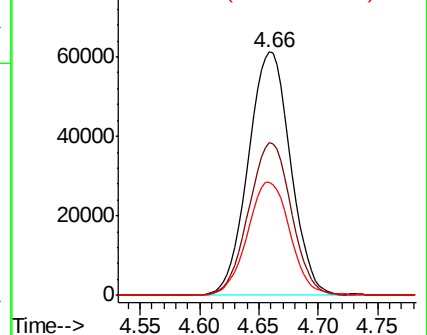


Abundance

Ion 96.95 (96.65 to 97.65): VV0

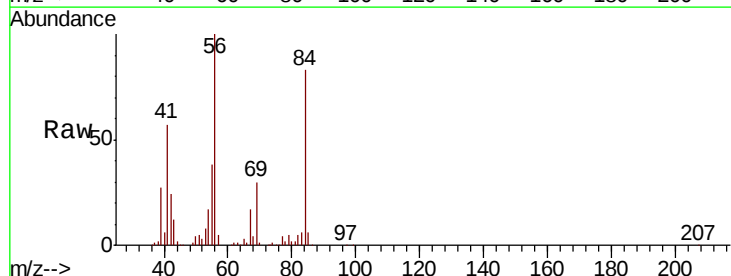
Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30
 Cyclohexane
 Concen: 4.902 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

Tgt Ion	56	Resp	159827
Ion Ratio	Lower	Upper	
56	100		
69	30.1	23.8	35.6
84	84.0	67.9	101.9

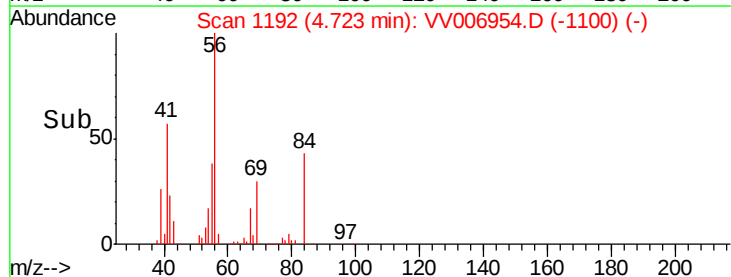
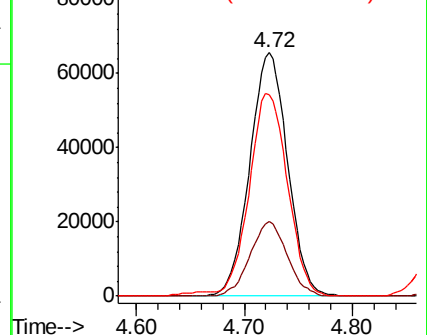


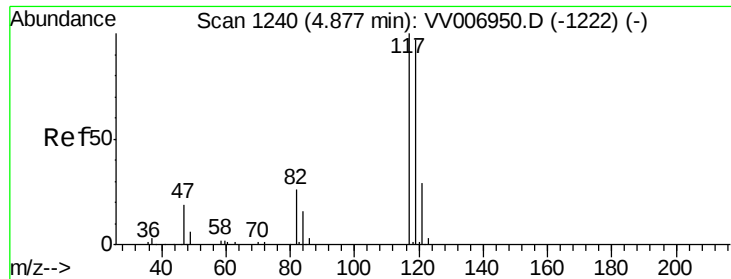
Abundance

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: 4.897 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

Instrument :

MSVOA_V

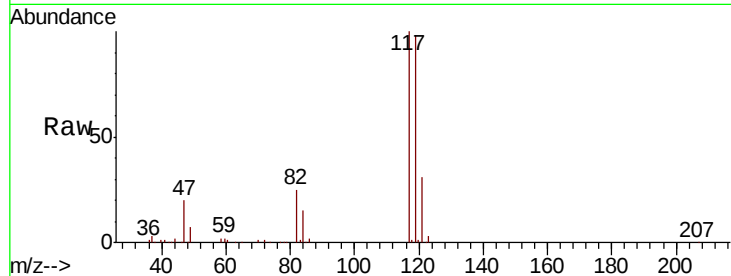
ClientSampleId :

Tot Ion:117 Resp: 128662

Ion Ratio Lower Upper

117 100

119 96.0 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

60000

50000

40000

30000

20000

10000

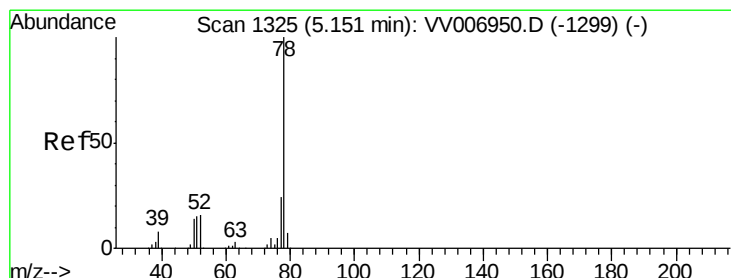
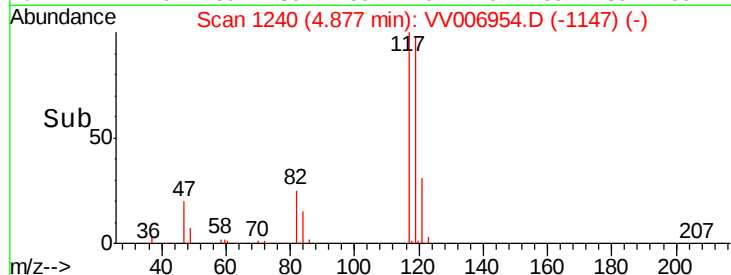
0

4.80

4.90

5.00

Time-->



#33

Benzene

Concen: 5.053 ug/L

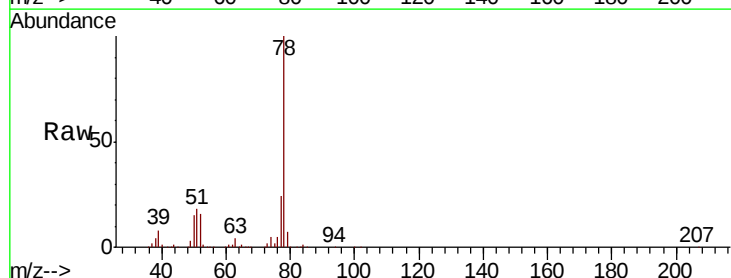
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

Tgt Ion: 78 Resp: 411276



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

200000

150000

100000

50000

0

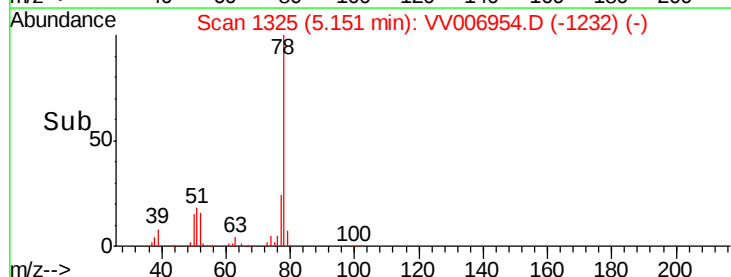
5.00

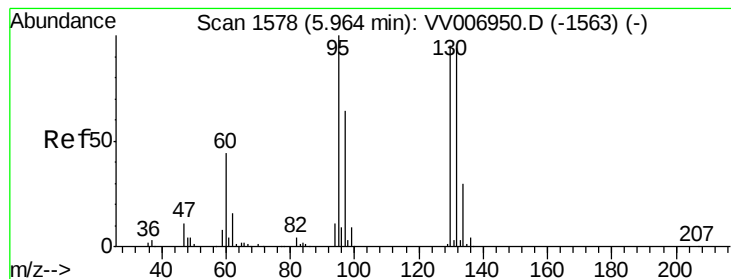
5.10

5.20

5.30

Time-->





#34

Trichloroethene

Concen: 4.994 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 97474

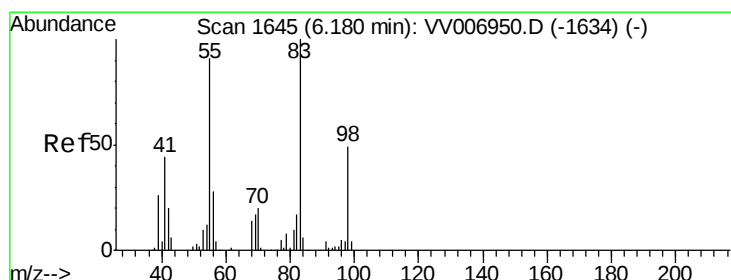
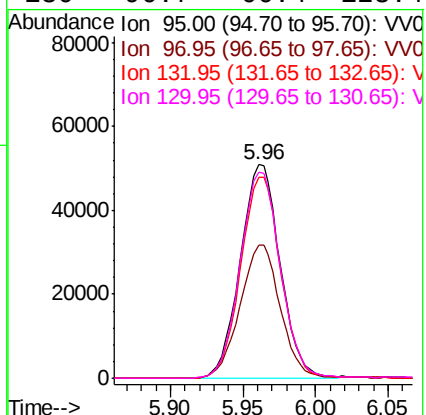
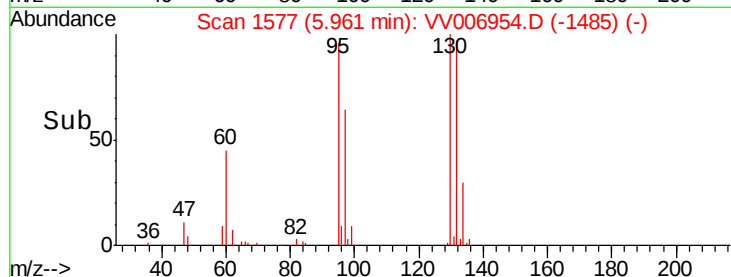
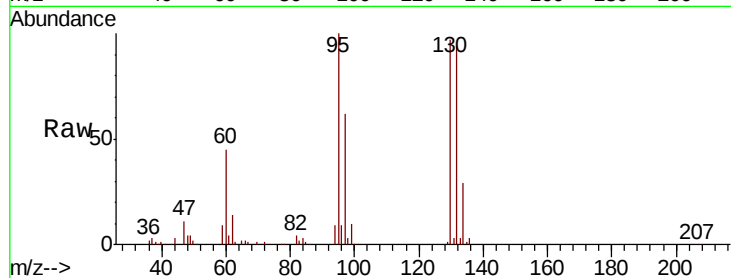
Ion Ratio Lower Upper

95 100

97 62.1 44.8 83.2

132 94.0 65.5 121.6

130 96.7 66.4 123.4



#35

Methylcyclohexane

Concen: 5.089 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

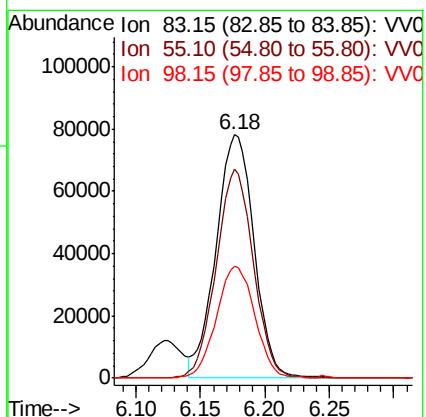
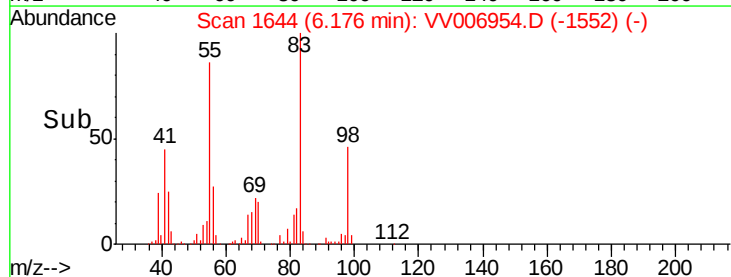
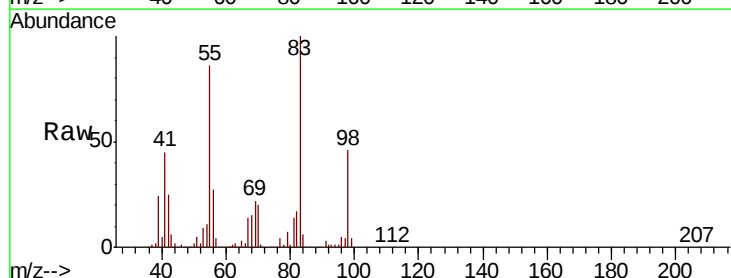
Tgt Ion: 83 Resp: 159440

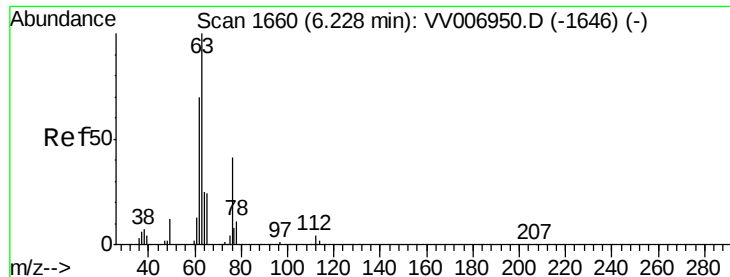
Ion Ratio Lower Upper

83 100

55 84.5 68.1 102.1

98 46.2 37.9 56.9

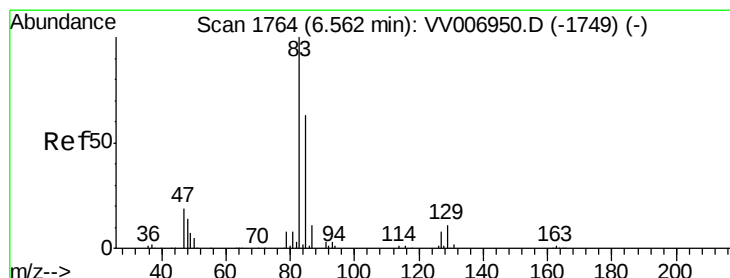
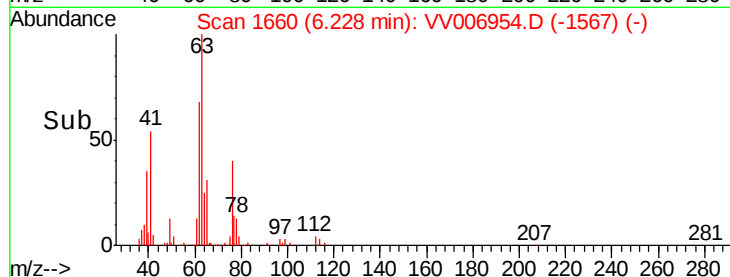
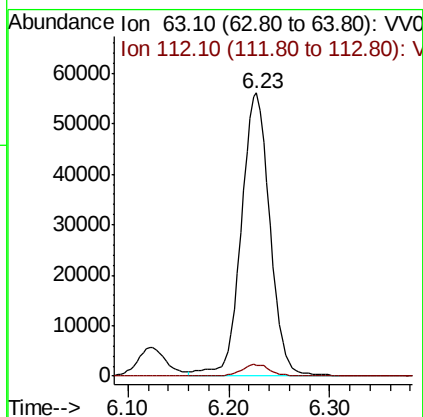
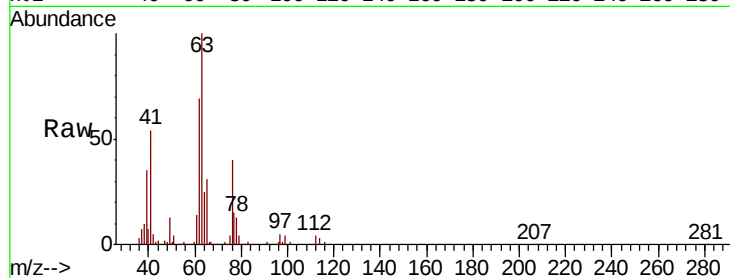




#37
 1,2-Dichloropropane
 Concen: 4.909 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

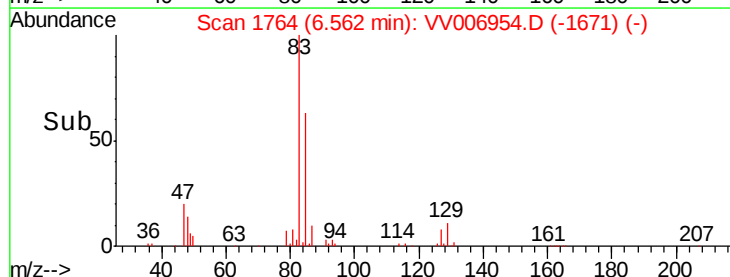
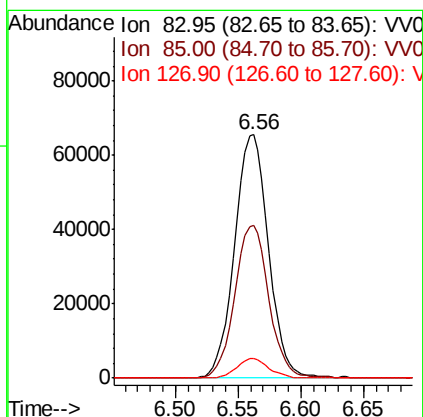
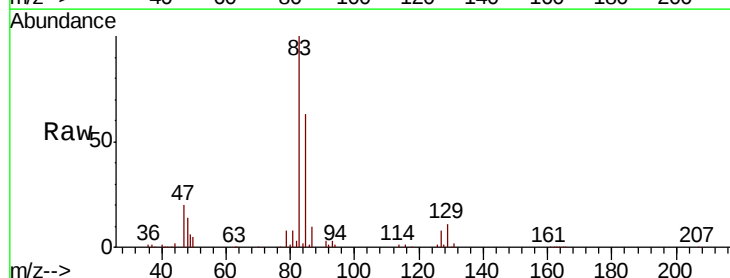
Instrument :
 MSVOA_V
 ClientSampleId :

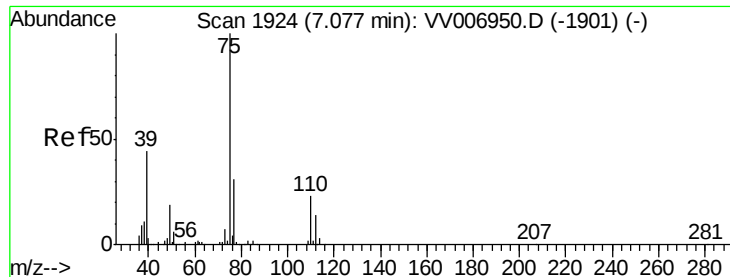
Tot Ion: 63 Resp: 109365
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.868 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

Tgt Ion: 83 Resp: 123231
 Ion Ratio Lower Upper
 83 100
 85 62.7 43.8 81.4
 127 7.8 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.970 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

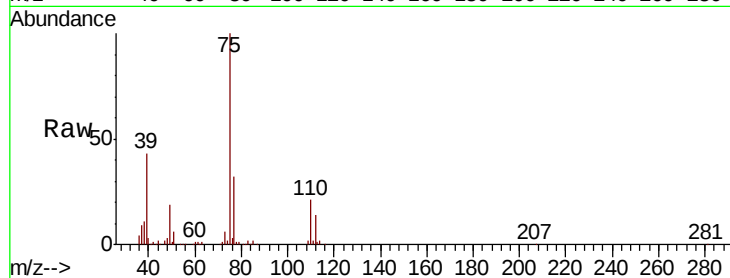
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 133768

Ion Ratio Lower Upper

75 100

77 32.2 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV006954.D (-1831) (-)

Ion 77.05 (76.75 to 77.75): VV006954.D (-1831) (-)

7.08

80000

60000

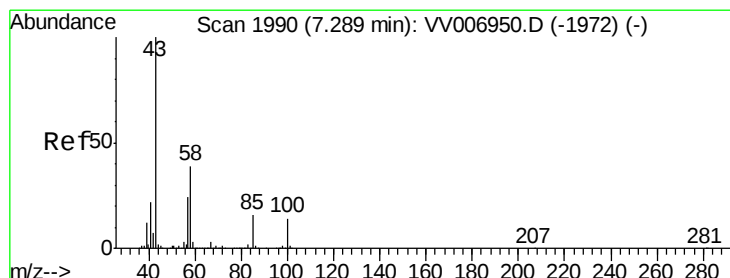
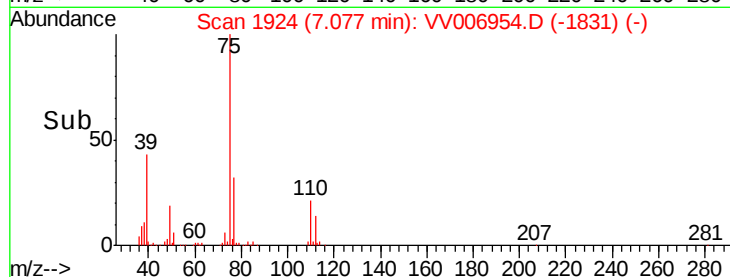
40000

20000

0

7.00 7.10 7.20

Time-->



#40

4-Methyl-2-pentanone

Concen: 50.466 ug/L

RT: 7.29 min Scan# 1990

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

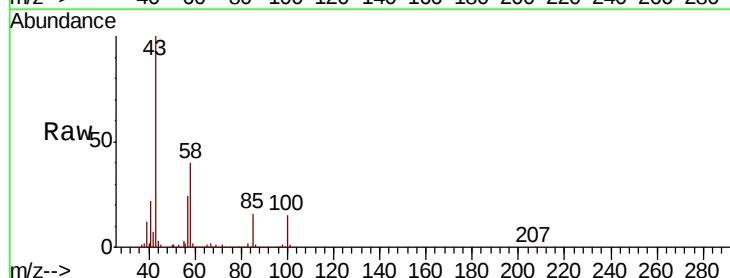
Tgt Ion: 43 Resp: 607335

Ion Ratio Lower Upper

43 100

58 39.5 30.7 46.1

100 13.8 11.2 16.8



Abundance Ion 43.05 (42.75 to 43.75): VV006954.D (-1897) (-)

Ion 58.05 (57.75 to 58.75): VV006954.D (-1897) (-)

Ion 100.15 (99.85 to 100.85): VV006954.D (-1897) (-)

400000

300000

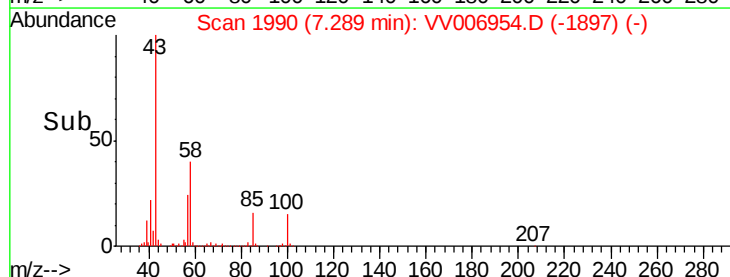
200000

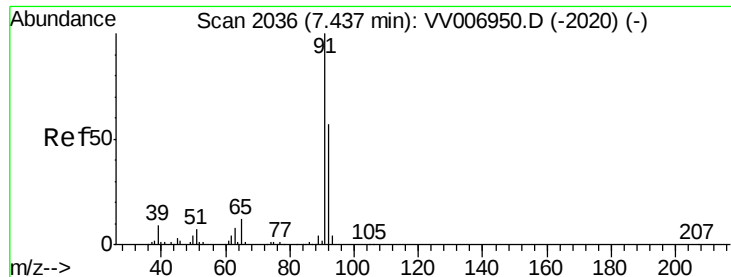
100000

0

7.20 7.30 7.40

Time-->





#42

Toluene

Concen: 5.193 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

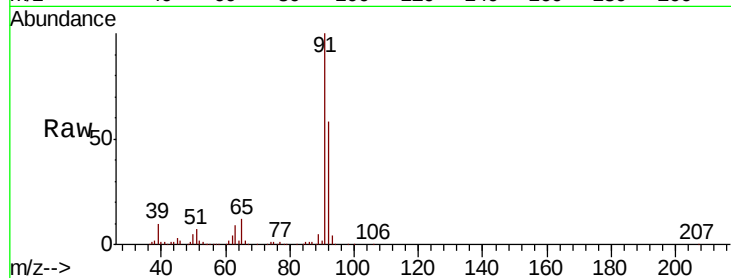
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 406157

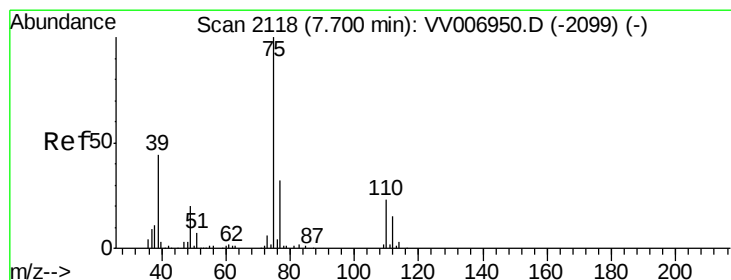
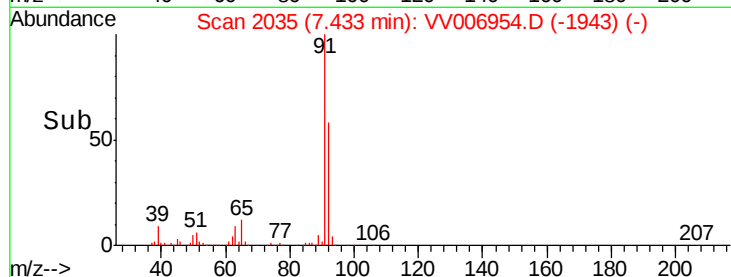
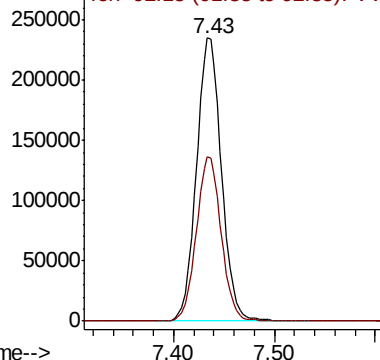
Ion Ratio Lower Upper

91 100

92 58.1 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.068 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006954.D

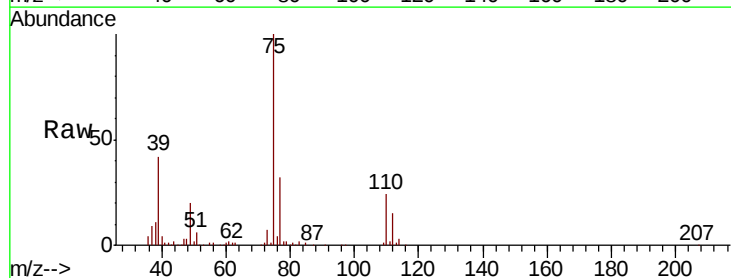
Acq: 09 Aug 2018 16:23

Tgt Ion: 75 Resp: 111962

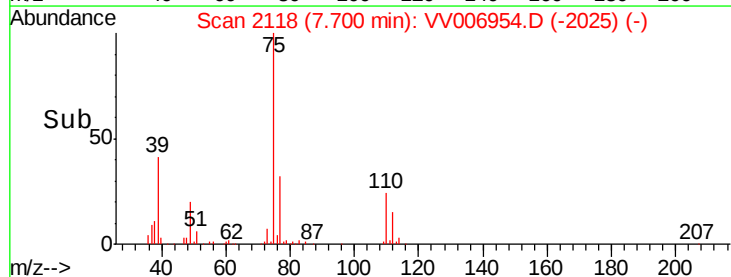
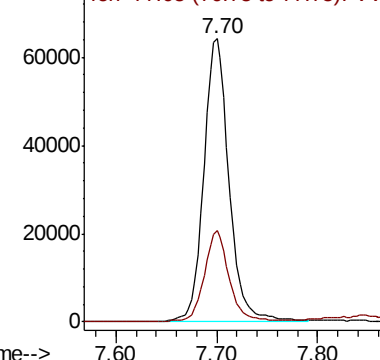
Ion Ratio Lower Upper

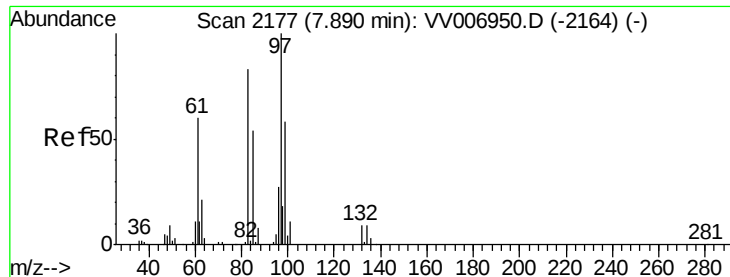
75 100

77 32.1 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

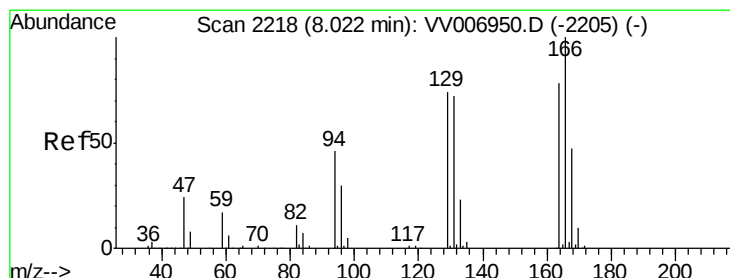
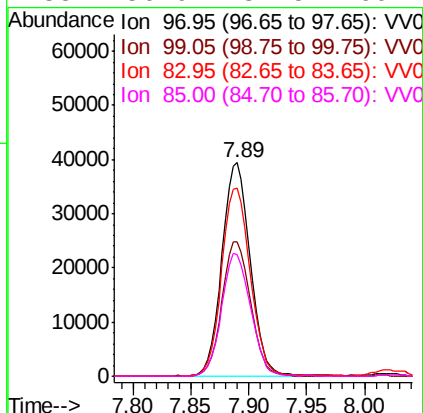
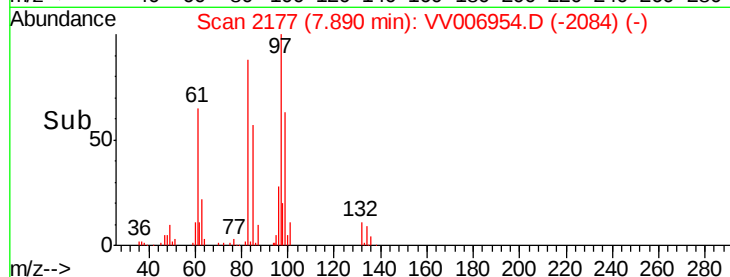
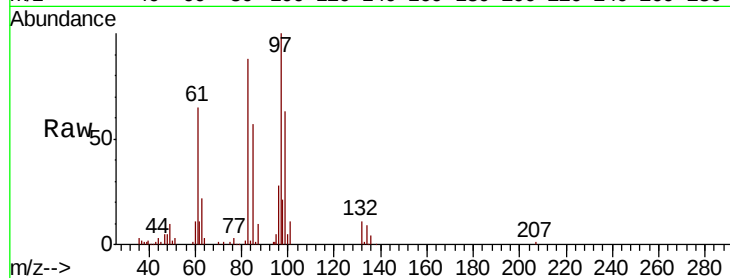




#45
 1,1,2-Trichloroethane
 Concen: 4.607 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

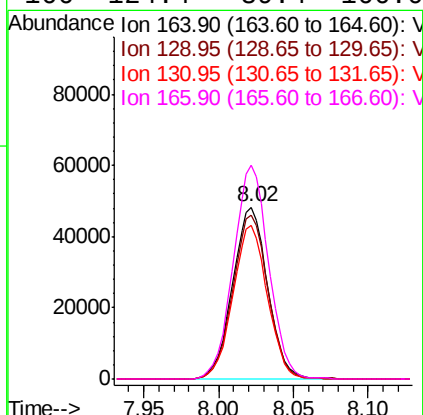
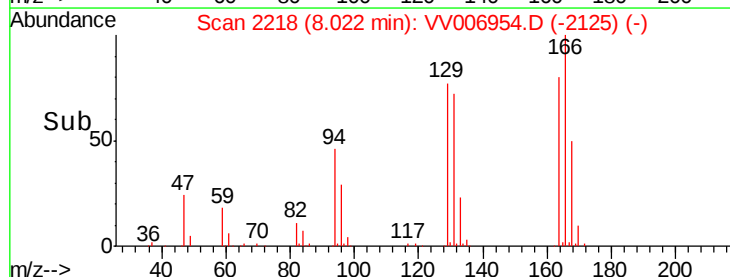
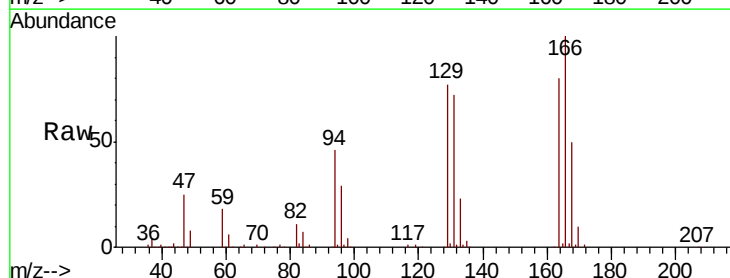
Instrument :
 MSVOA_V
 ClientSampleId :

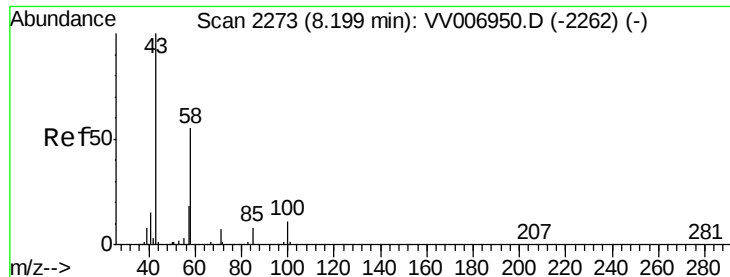
Tot Ion:	97	Resp:	66766
Ion	Ratio	Lower	Upper
97	100		
99	62.7	40.6	75.4
83	88.0	58.0	107.8
85	56.9	37.5	69.7



#47
 Tetrachloroethene
 Concen: 4.954 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

Tgt Ion:	164	Resp:	78389
Ion	Ratio	Lower	Upper
164	100		
129	95.3	65.9	122.3
131	89.2	64.2	119.2
166	124.4	89.4	166.0

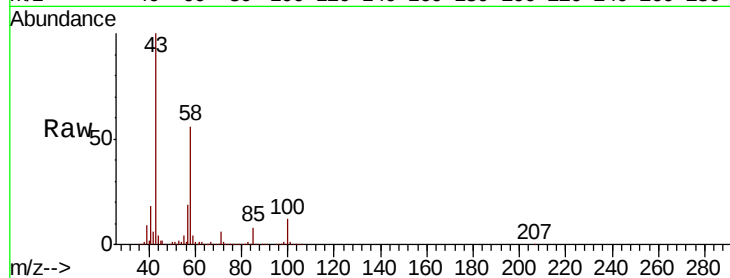




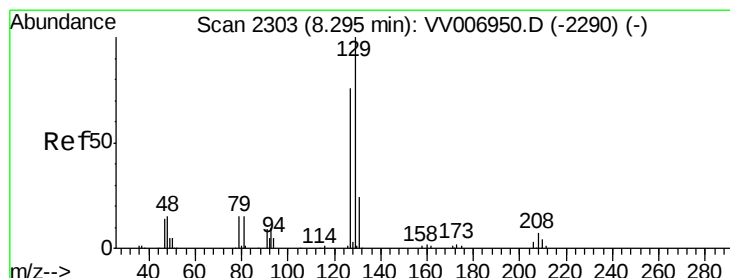
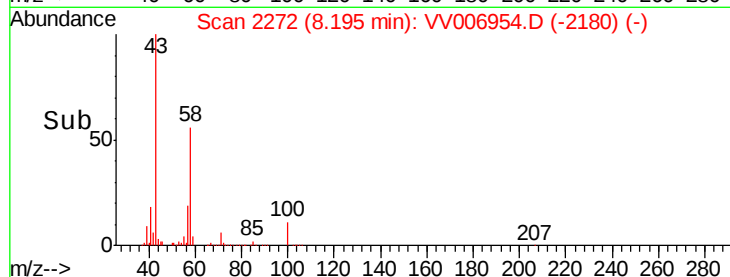
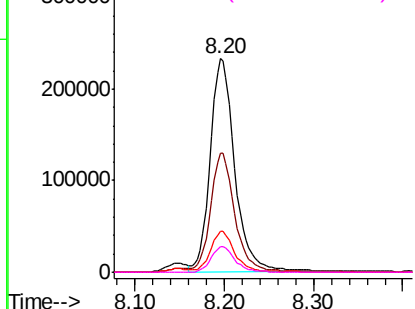
#48
2-Hexanone
Concen: 52.183 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV006954.D
Acq: 09 Aug 2018 16:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 442918
Ion Ratio Lower Upper
43 100
58 54.4 44.2 66.2
57 18.3 14.8 22.2
100 11.3 8.8 13.2

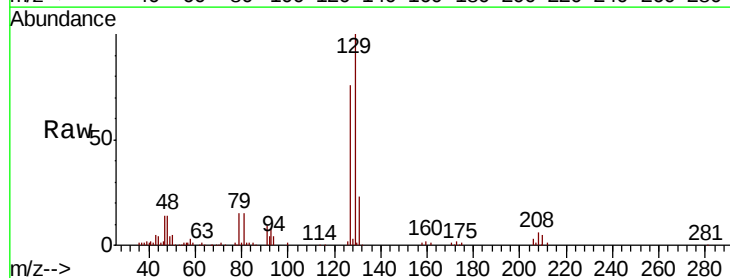


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

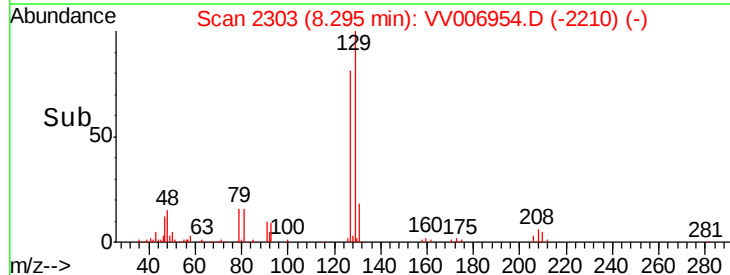
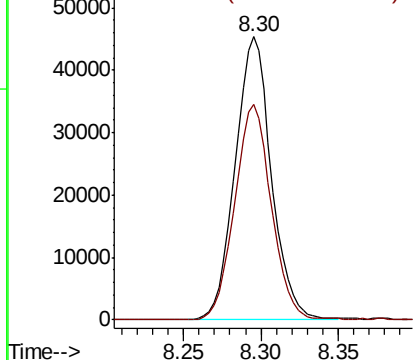


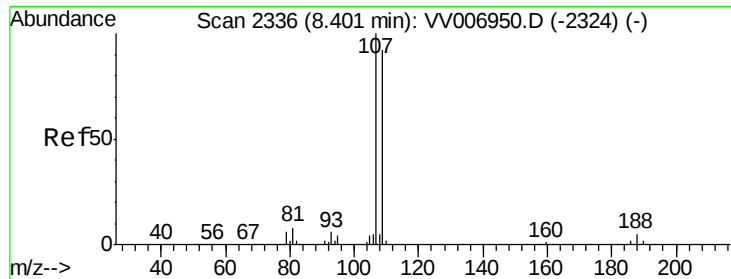
#49
Dibromochloromethane
Concen: 4.853 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006954.D
Acq: 09 Aug 2018 16:23

Tgt Ion: 129 Resp: 73788
Ion Ratio Lower Upper
129 100
127 76.3 53.3 98.9



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

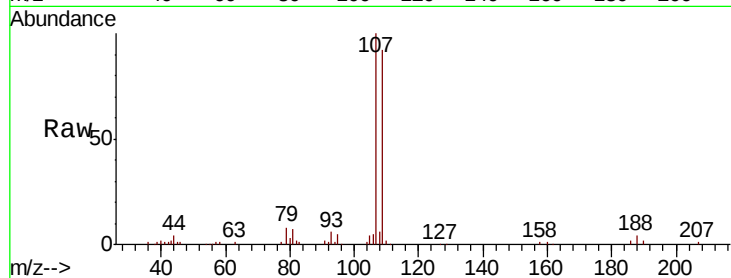




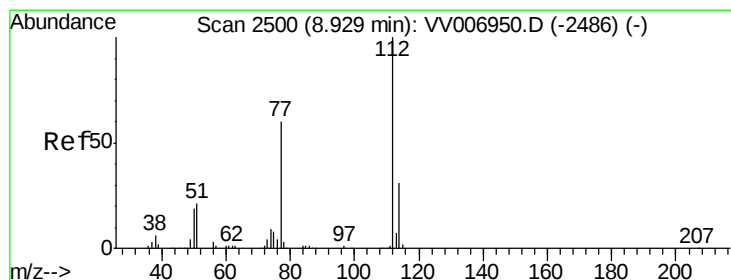
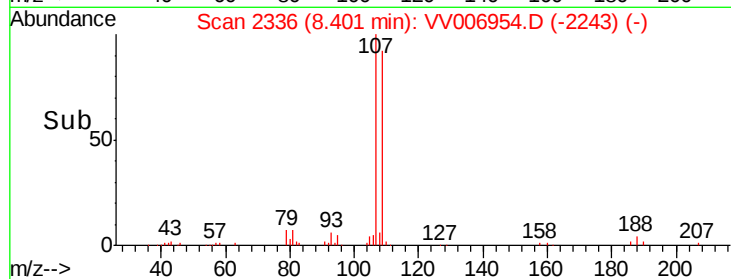
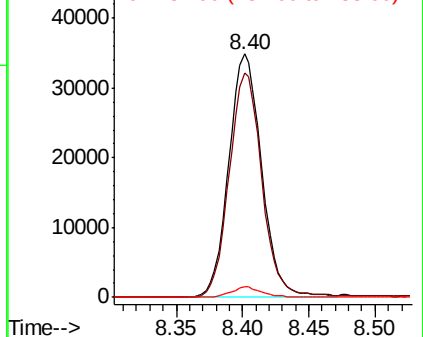
#50
1,2-Dibromoethane
Concen: 4.914 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006954.D
Acq: 09 Aug 2018 16:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	64.1	119.1
188	4.4	4.0	6.0

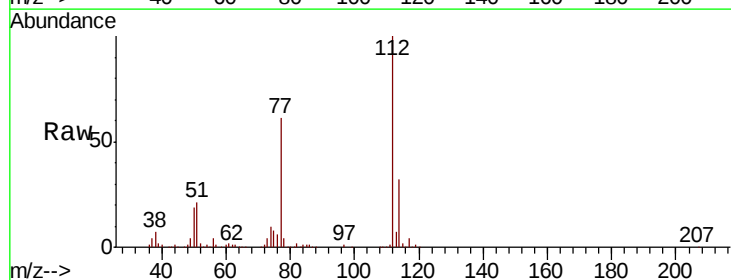


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

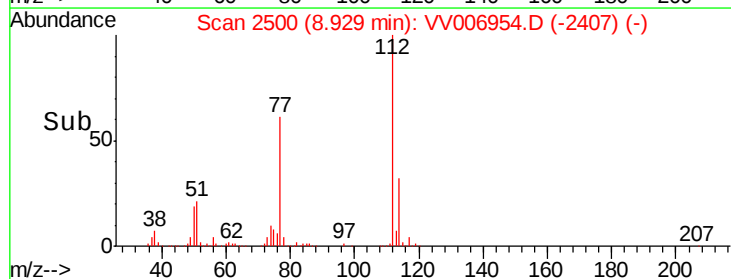
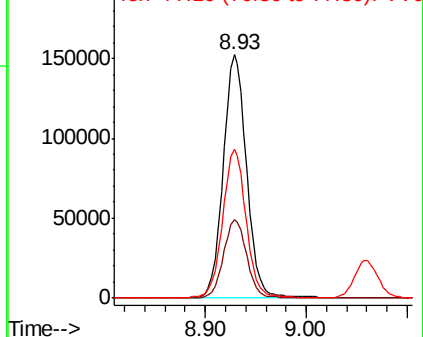


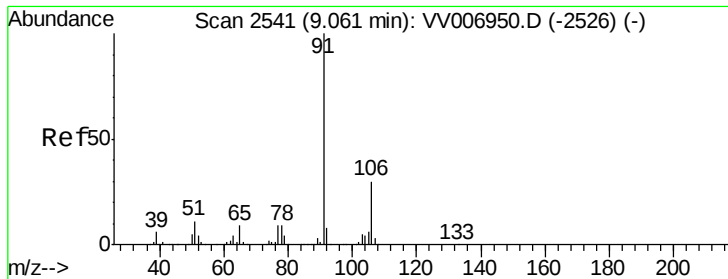
#51
Chlorobenzene
Concen: 4.960 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006954.D
Acq: 09 Aug 2018 16:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	21.8	40.6
77	61.2	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: 5.060 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

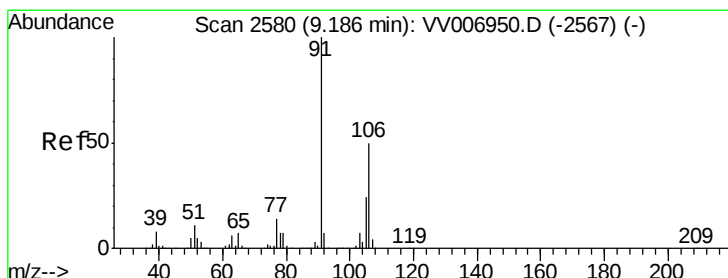
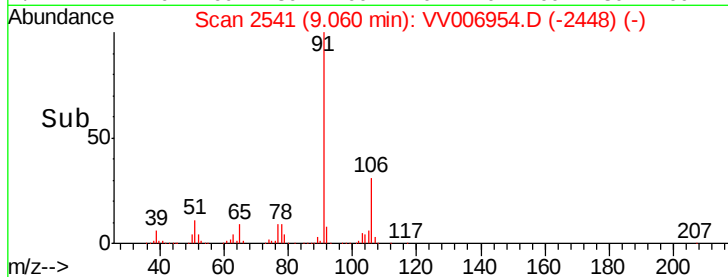
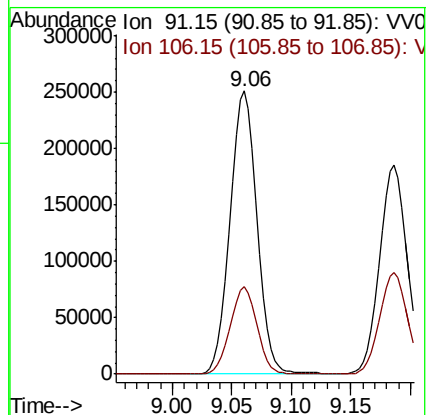
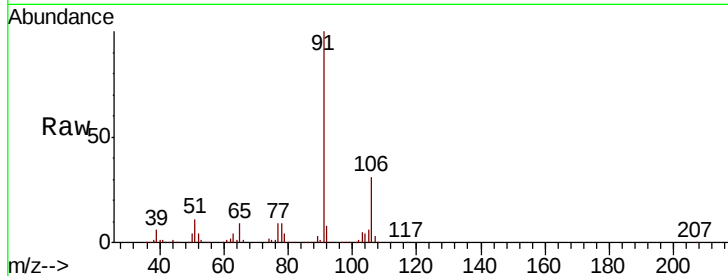
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 395165

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.5



#53

m,p-xylene

Concen: 5.076 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006954.D

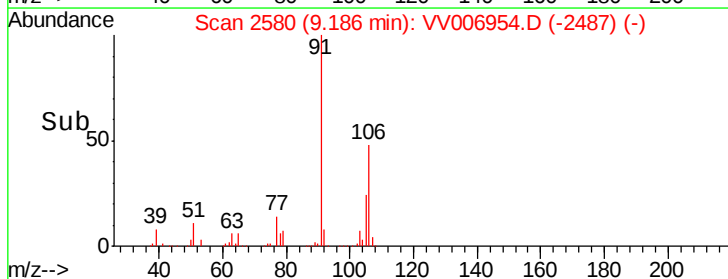
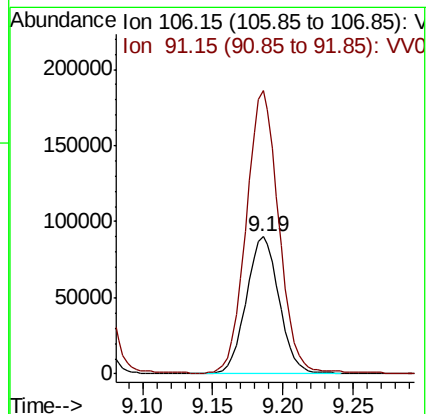
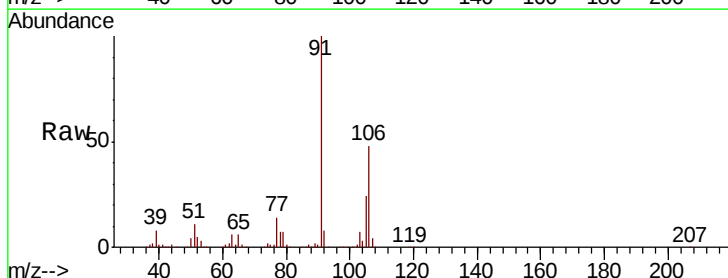
Acq: 09 Aug 2018 16:23

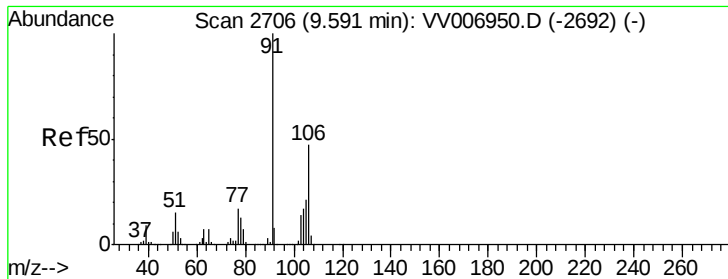
Tgt Ion: 106 Resp: 147793

Ion Ratio Lower Upper

106 100

91 206.6 141.6 263.0





#54

o-xylene

Concen: 5.077 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

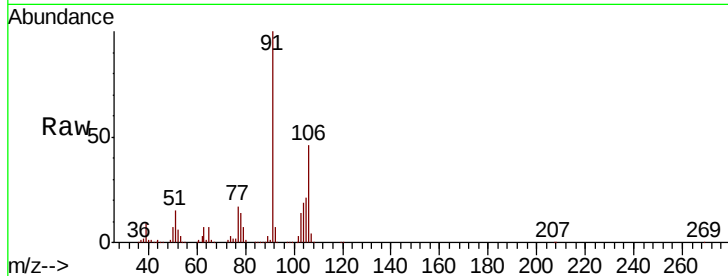
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 140045

Ion Ratio Lower Upper

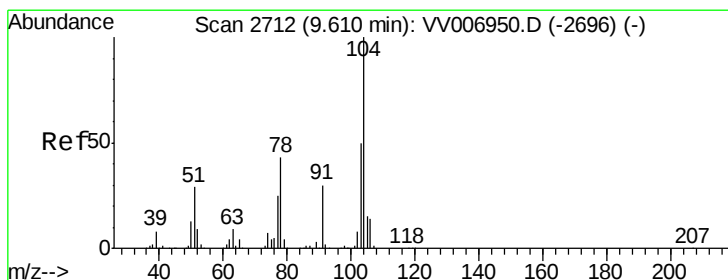
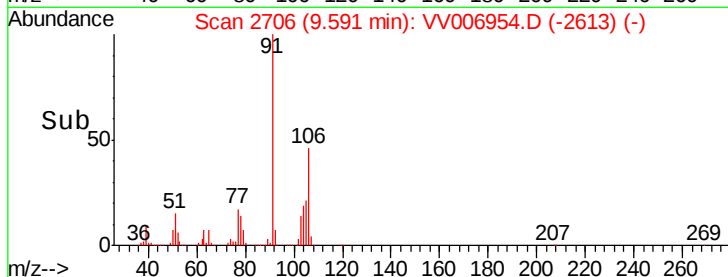
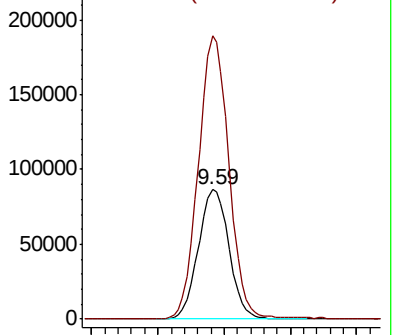
106 100

91 218.2 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.154 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV006954.D

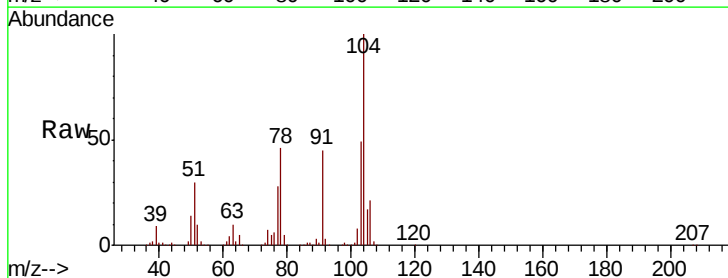
Acq: 09 Aug 2018 16:23

Tgt Ion:104 Resp: 239652

Ion Ratio Lower Upper

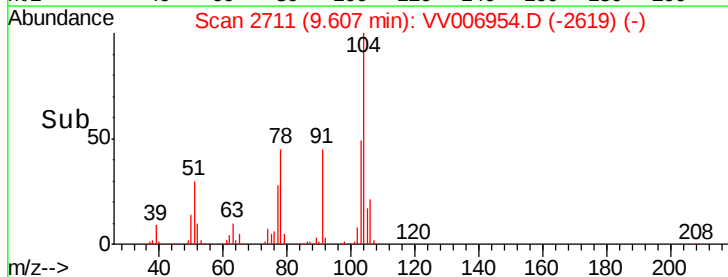
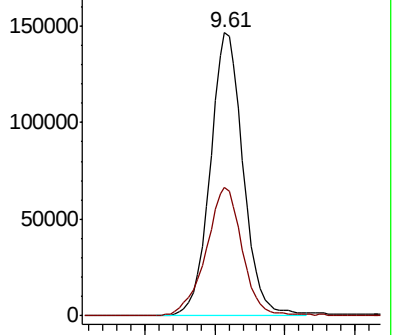
104 100

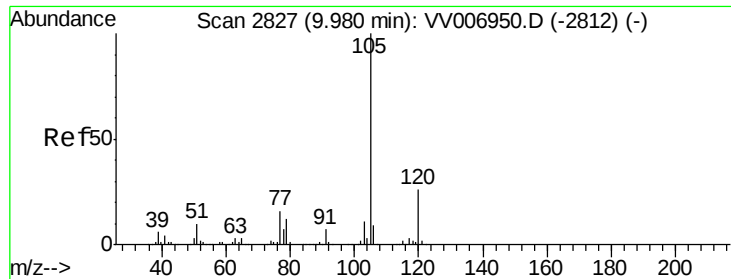
78 45.6 30.4 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.109 ug/L

RT: 9.98 min Scan# 2827

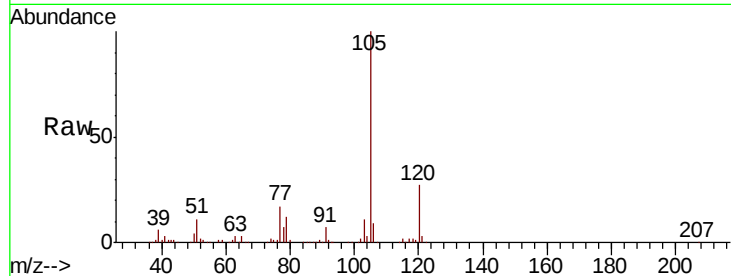
Delta R.T. -0.00 min

Lab File: VV006954.D

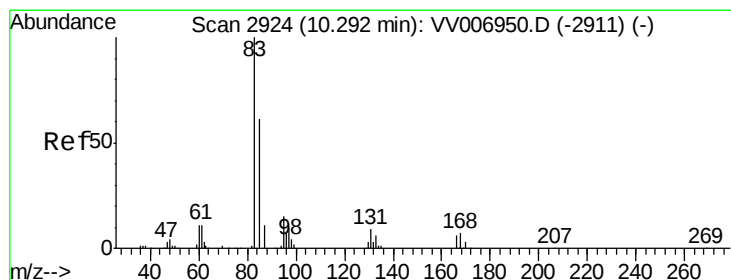
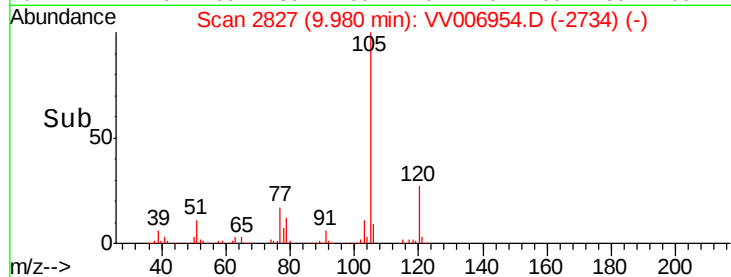
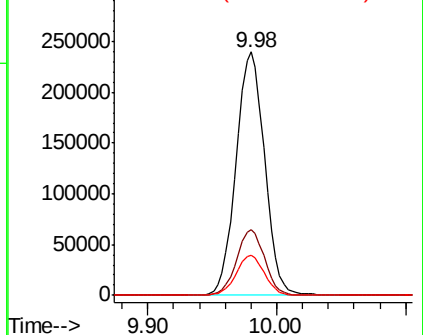
Acq: 09 Aug 2018 16:23

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	105	Resp:	369742
Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.1	31.7
77	16.5	13.0	19.4



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



#58

1,1,2,2-Tetrachloroethane

Concen: 4.891 ug/L

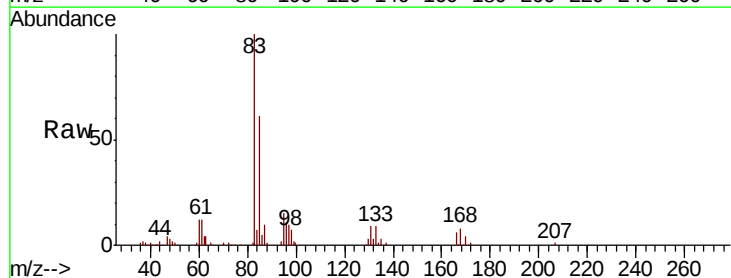
RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

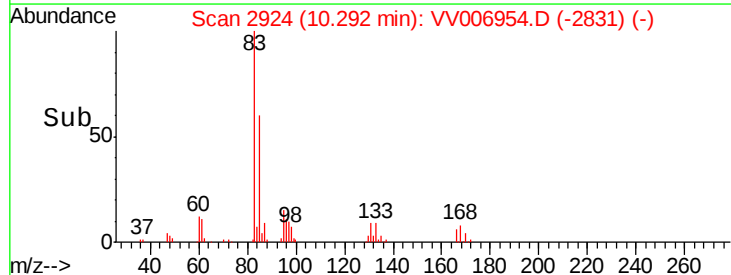
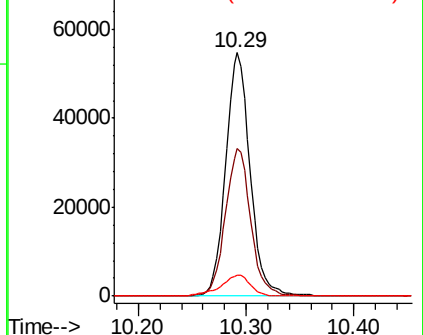
Lab File: VV006954.D

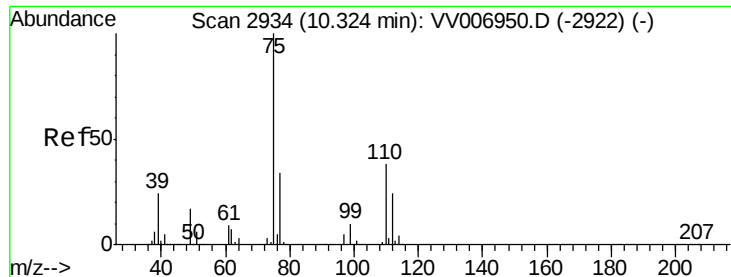
Acq: 09 Aug 2018 16:23

Tgt Ion:	83	Resp:	86163
Ion	Ratio	Lower	Upper
83	100		
85	60.6	43.0	79.8
131	8.8	7.4	11.2



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

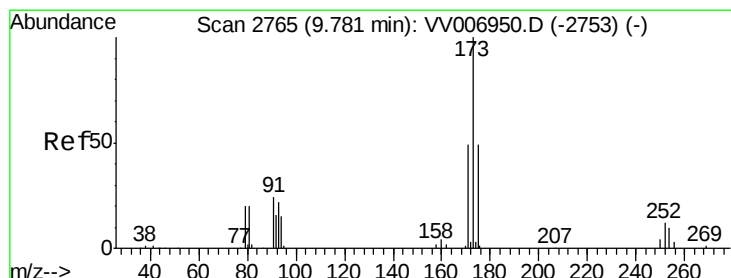
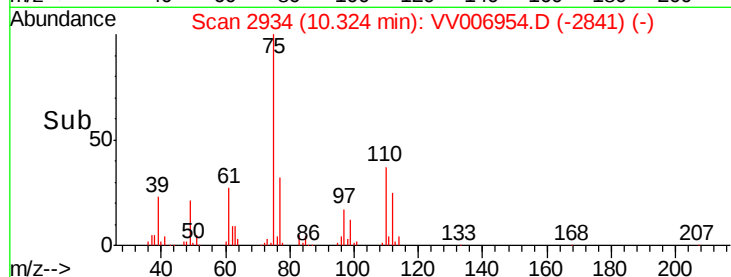
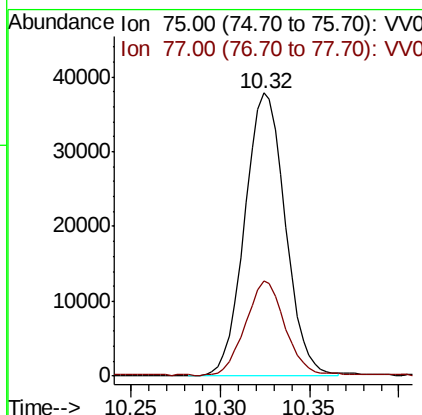
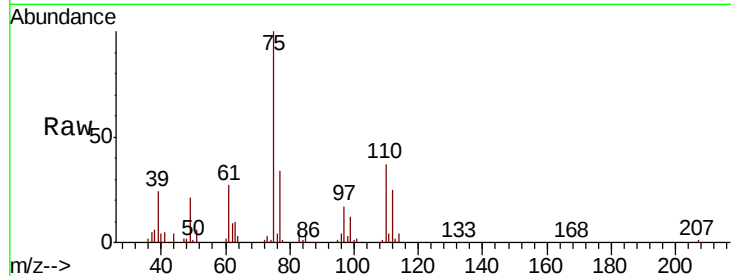




#59
 1,2,3-Trichloropropane
 Concen: 4.829 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

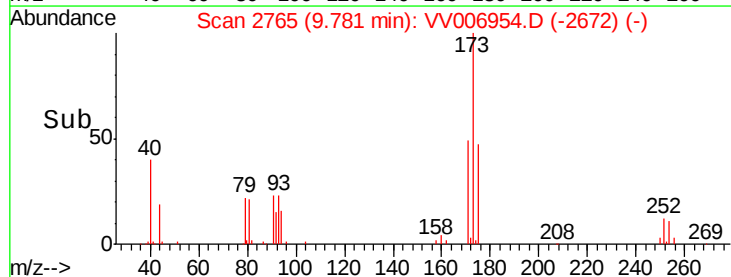
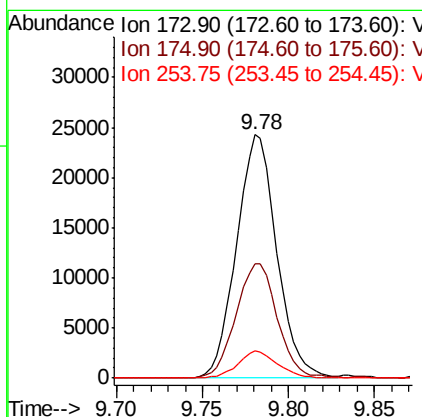
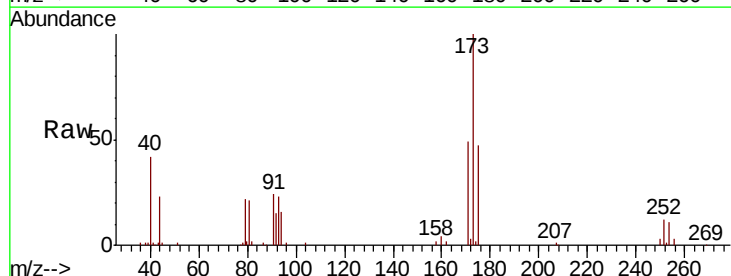
Instrument :
 MSVOA_V
 ClientSampleId :

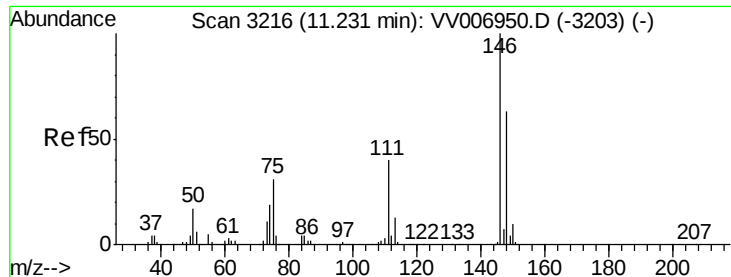
Tot Ion: 75 Resp: 60222
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.0



#61
 Bromoform
 Concen: 4.906 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

Tgt Ion:173 Resp: 39384
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.3 58.9
 254 10.9 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 5.100 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

Instrument :

MSVOA_V

ClientSampled :

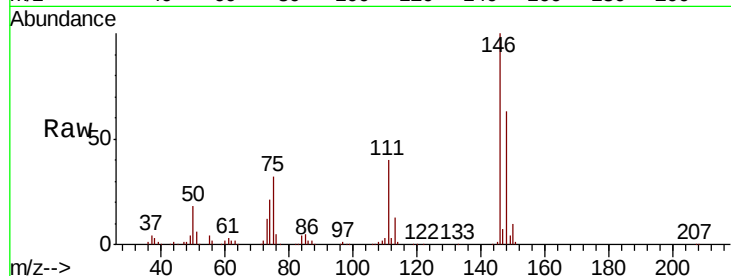
Tot Ion:146 Resp: 174927

Ion Ratio Lower Upper

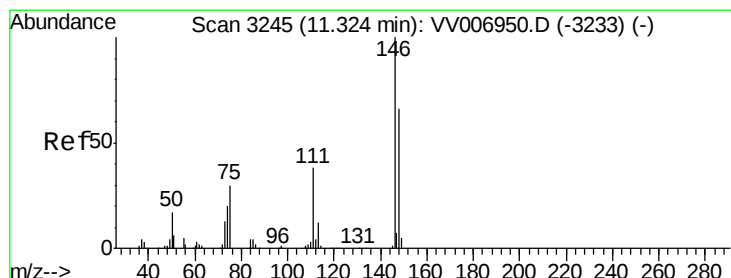
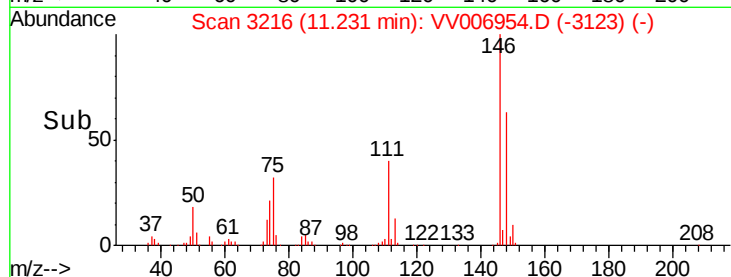
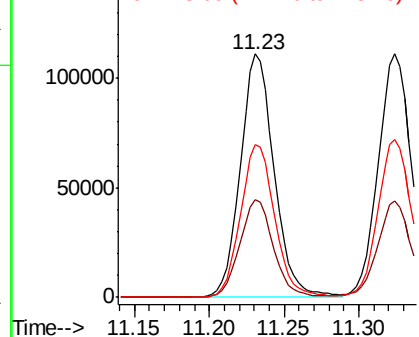
146 100

111 40.0 28.1 52.3

148 62.6 44.2 82.2



Abundance Ion 145.95 (145.65 to 146.65): V
150000 Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.074 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

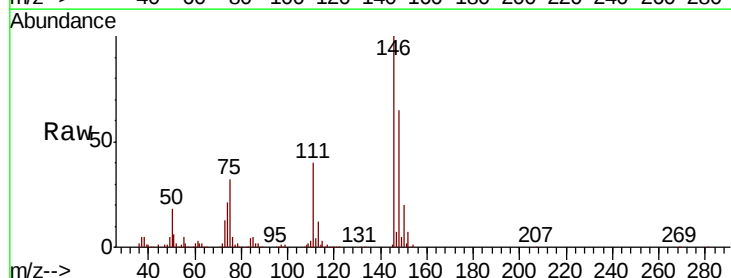
Tgt Ion:146 Resp: 178389

Ion Ratio Lower Upper

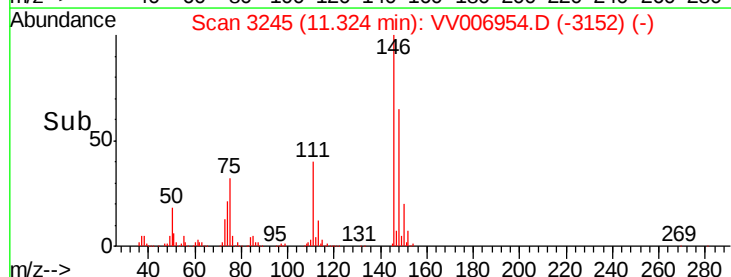
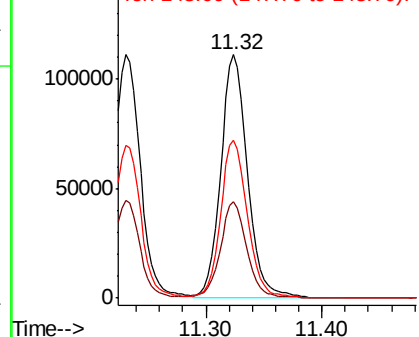
146 100

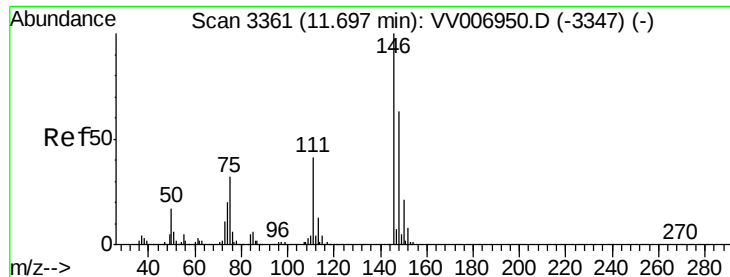
111 39.7 26.6 49.4

148 65.0 46.4 86.2



Abundance Ion 145.95 (145.65 to 146.65): V
150000 Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

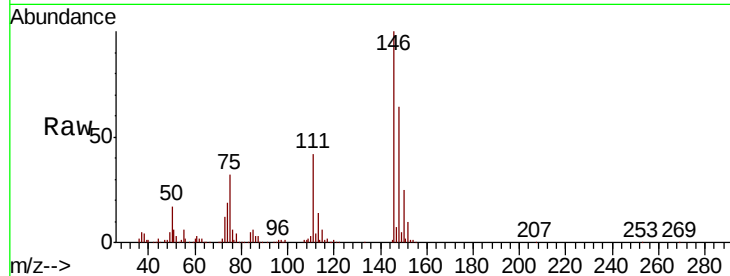




#65
 1,2-Dichlorobenzene
 Concen: 5.021 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	33.0	49.6
148	64.1	50.6	75.8

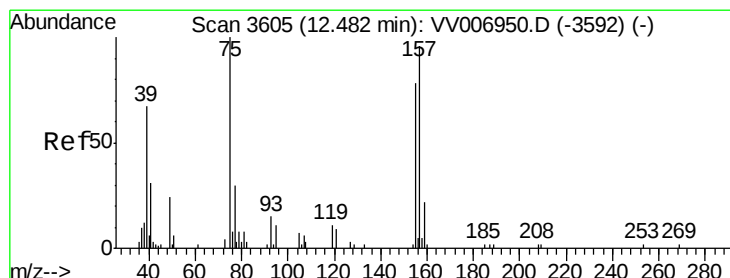
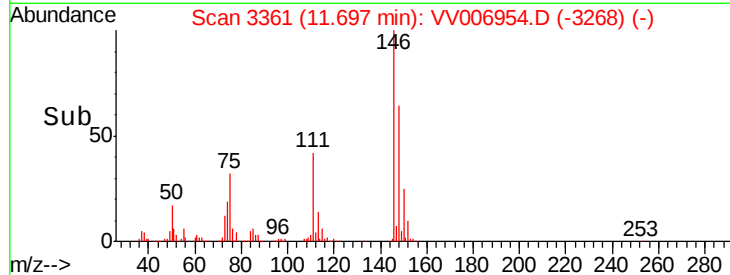
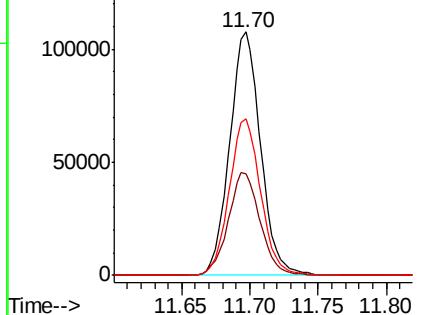


Abundance

Ion 145.95 (145.65 to 146.65): V

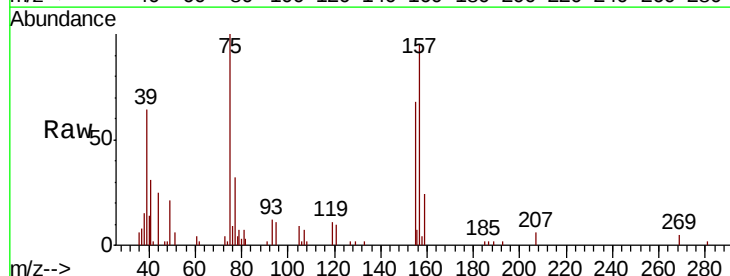
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.890 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.8	62.6	94.0
157	95.0	77.0	115.6

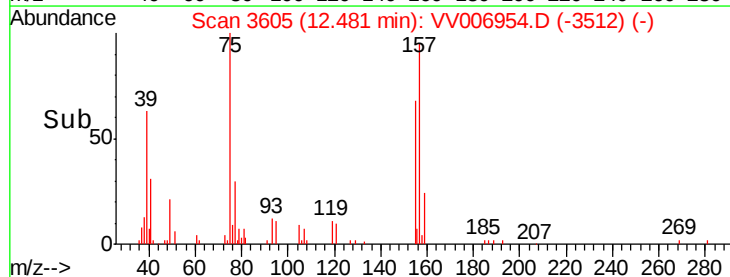
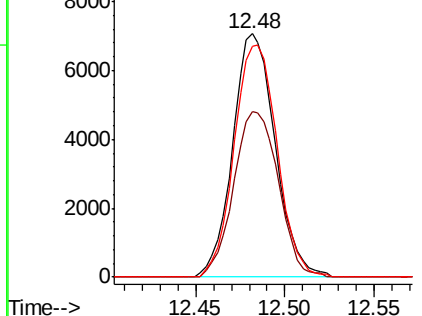


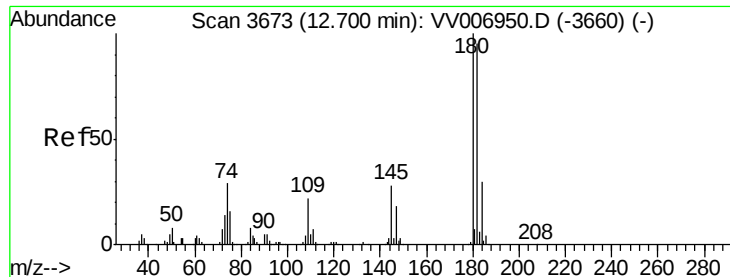
Abundance

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

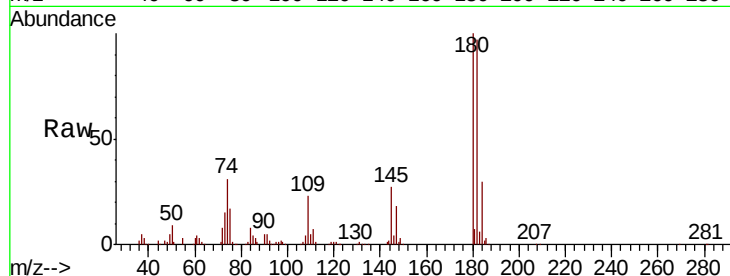




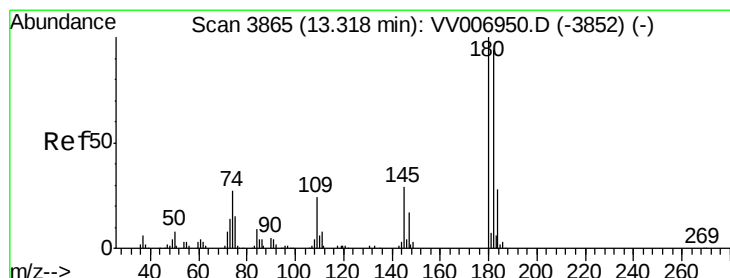
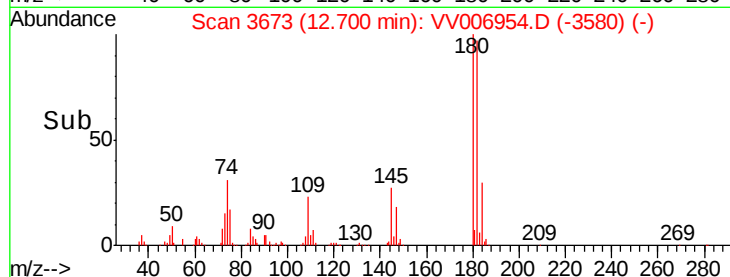
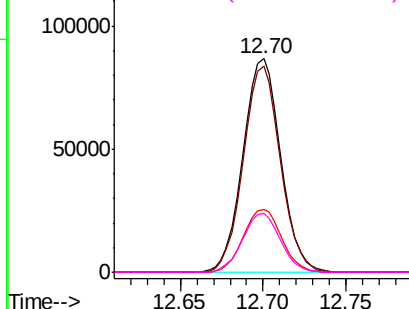
#67
 1,3,5-Trichlorobenzene
 Concen: 5.278 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	136995
Ion Ratio	Lower	Upper
180	100	
182	95.3	75.1 112.7
184	30.1	23.8 35.8
145	27.6	21.9 32.9

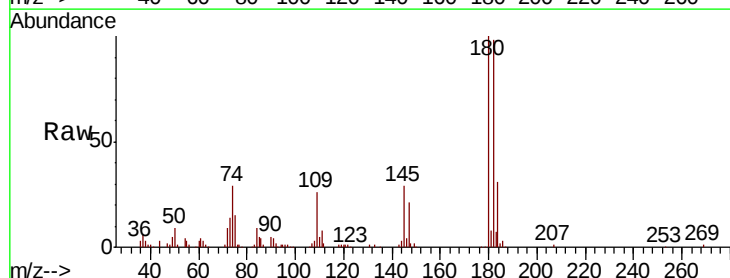


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

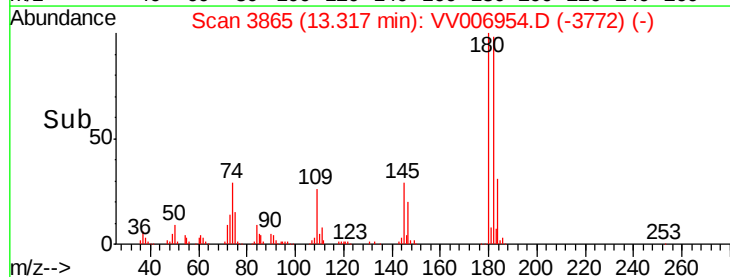
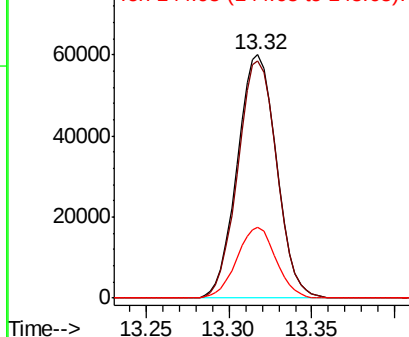


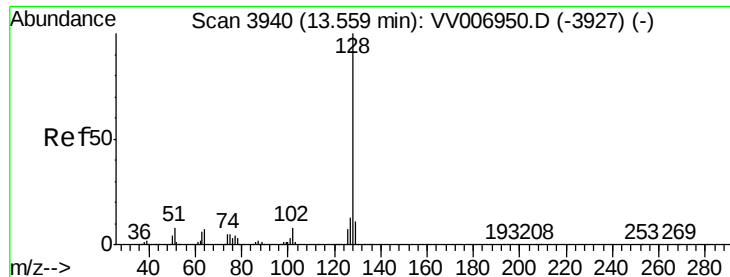
#68
 1,2,4-trichlorobenzene
 Concen: 5.195 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006954.D
 Acq: 09 Aug 2018 16:23

Tgt Ion:180	Resp:	98976
Ion Ratio	Lower	Upper
180	100	
182	97.0	76.5 114.7
145	29.0	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: 5.034 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

Instrument :

MSVOA_V

ClientSampled :

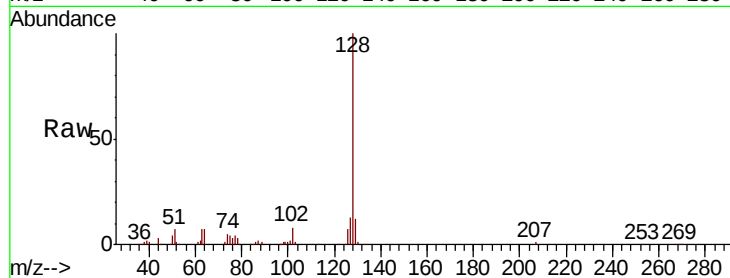
Tot Ion:128 Resp: 137717

Ion Ratio Lower Upper

128 100

129 11.4 8.5 12.7

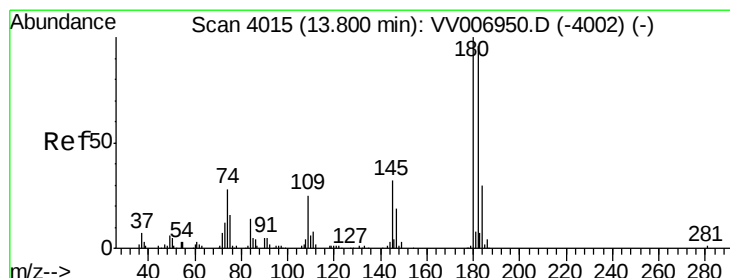
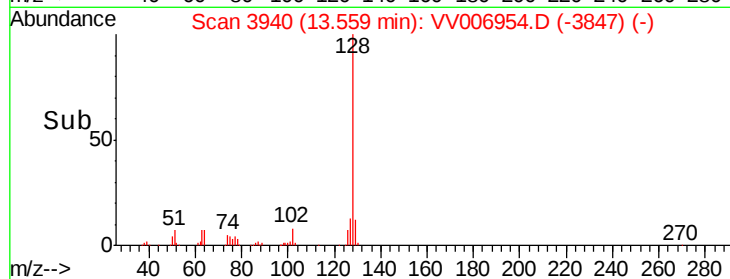
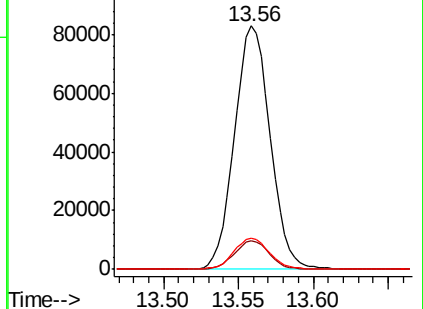
127 12.9 10.6 16.0



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: 5.233 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006954.D

Acq: 09 Aug 2018 16:23

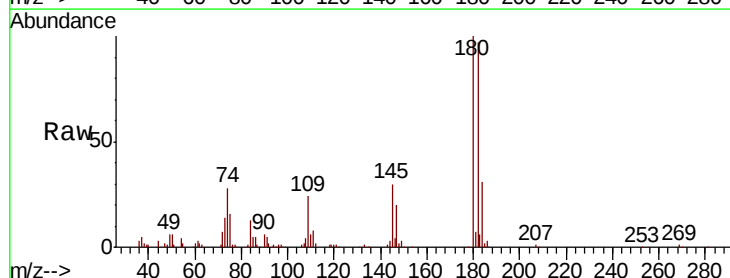
Tgt Ion:180 Resp: 96105

Ion Ratio Lower Upper

180 100

182 94.7 76.1 114.1

145 31.1 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

