

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080218\
 Data File : VV006805.D
 Acq On : 02 Aug 2018 13:23
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 03 01:41:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 03 01:30:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	262696	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	239810	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	107714	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	97098	5.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.80%
7) Chloroethane-d5	1.58	69	82405	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.13	63	173712	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.00%
20) 2-Butanone-d5	3.97	46	262769	59.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.10%
24) Chloroform-d	4.41	84	168495	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.09	65	88662	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	5.10	84	343763	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.12	67	113097	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.37	98	314132	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
43) trans-1,3-Dichloropropene-	7.67	79	41147	5.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.80%
46) 2-Hexanone-d5	8.14	63	200618	59.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.20%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	90555	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	108311	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	106022	5.053 ug/L	99
3) Chloromethane	1.25	50	125254	4.129 ug/L	99
5) Vinyl chloride	1.32	62	117793	4.998 ug/L	97
6) Bromomethane	1.54	94	28240	4.805 ug/L	98
8) Chloroethane	1.60	64	75443	4.763 ug/L	95
9) Trichlorofluoromethane	1.77	101	144892	5.028 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	91463	5.046 ug/L	100
12) 1,1-Dichloroethene	2.14	96	83727	4.987 ug/L	94
13) Acetone	2.20	43	163491	52.537 ug/L	99
14) Carbon disulfide	2.32	76	253380	5.087 ug/L	98
15) Methyl Acetate	2.47	43	47045	5.023 ug/L	99
16) Methylene chloride	2.54	84	94166	4.689 ug/L	97
17) Methyl tert-butyl Ether	2.82	73	234721	5.212 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	91209	4.986 ug/L	97
19) 1,1-Dichloroethane	3.23	63	175611	5.141 ug/L	99
21) 2-Butanone	4.05	43	267136	56.173 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	98530	5.018 ug/L	97

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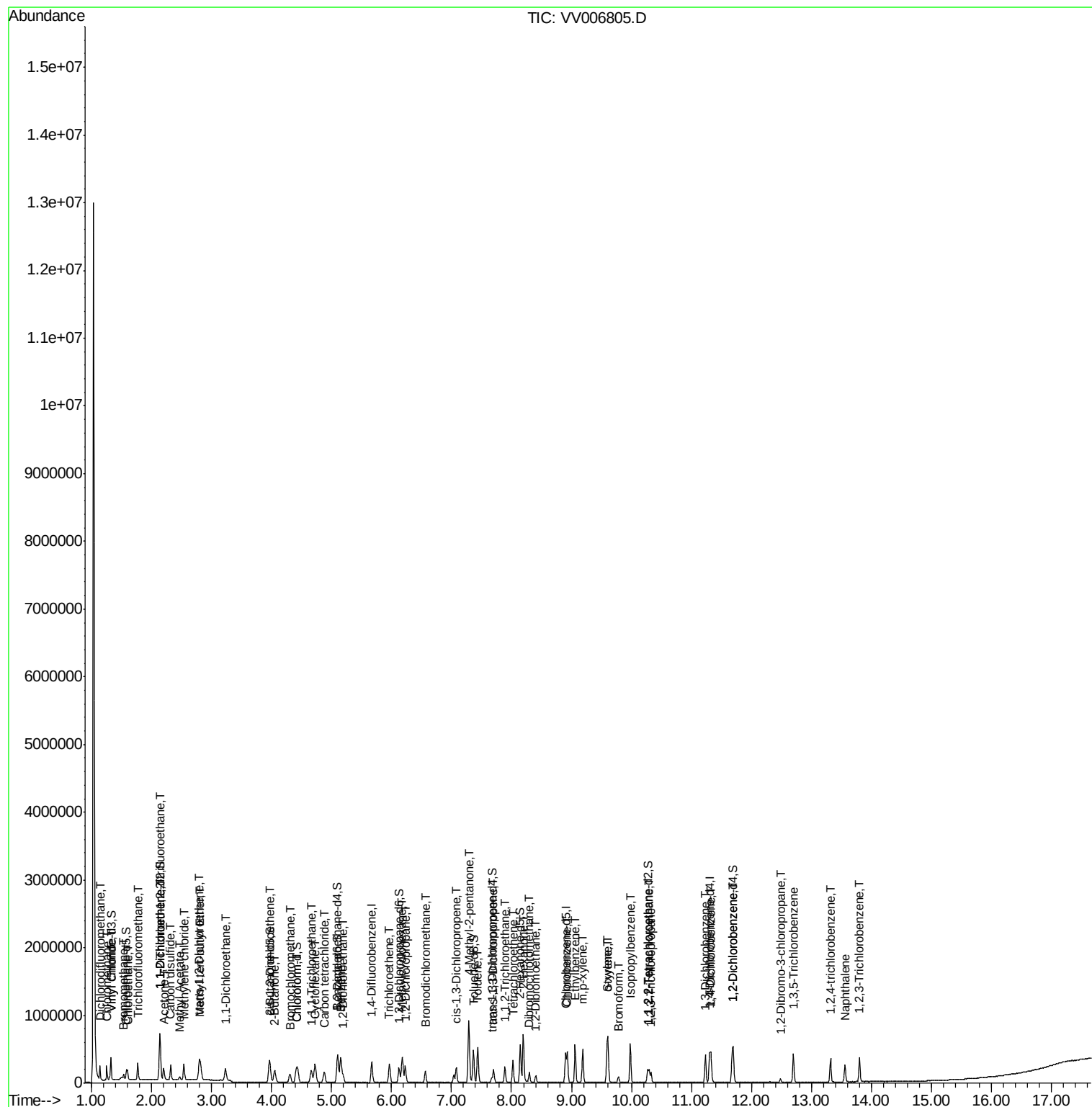
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	44725	5.236	ug/L	99
25) Chloroform	4.44	83	166345	5.008	ug/L	98
27) 1,2-Dichloroethane	5.19	62	105923	5.242	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	141410	5.087	ug/L	99
30) Cyclohexane	4.73	56	143575	4.987	ug/L	96
31) Carbon tetrachloride	4.88	117	116547	5.092	ug/L	100
33) Benzene	5.15	78	373711	5.072	ug/L	100
34) Trichloroethene	5.96	95	93210	4.970	ug/L	98
35) Methylcyclohexane	6.18	83	151752	5.096	ug/L	98
37) 1,2-Dichloropropane	6.23	63	100386	5.196	ug/L #	97
38) Bromodichloromethane	6.57	83	113782	5.174	ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	129601	5.195	ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	597966	55.925	ug/L	99
42) Toluene	7.44	91	374752	5.170	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	105751	5.148	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	72343	5.179	ug/L	96
47) Tetrachloroethene	8.03	164	76422	5.115	ug/L	96
48) 2-Hexanone	8.20	43	429596	59.214	ug/L	99
49) Dibromochloromethane	8.30	129	75336	5.335	ug/L	96
50) 1,2-Dibromoethane	8.40	107	64485	5.417	ug/L	97
51) Chlorobenzene	8.93	112	244749	5.246	ug/L	100
52) Ethylbenzene	9.06	91	384602	5.079	ug/L	97
53) m,p-xylene	9.19	106	143596	5.109	ug/L	97
54) o-xylene	9.59	106	141954	5.005	ug/L	95
55) Styrene	9.61	104	226187	5.075	ug/L	100
56) Isopropylbenzene	9.98	105	370020	5.128	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	88516	5.236	ug/L	98
59) 1,2,3-Trichloropropane	10.33	75	64109	5.396	ug/L	99
61) Bromoform	9.78	173	39433	5.376	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	177134	5.203	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	173068	5.139	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	174602	5.226	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	13081	5.630	ug/L	93
67) 1,3,5-Trichlorobenzene	12.70	180	133812	5.109	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	110886	5.451	ug/L	99
69) Naphthalene	13.56	128	203390	5.736	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	107739	5.487	ug/L	99

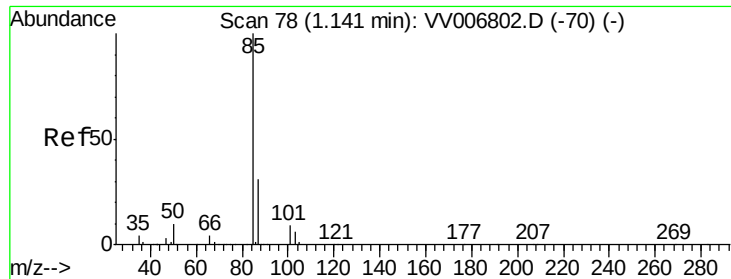
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.053 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

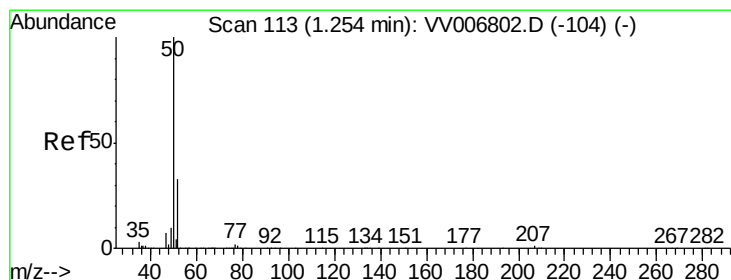
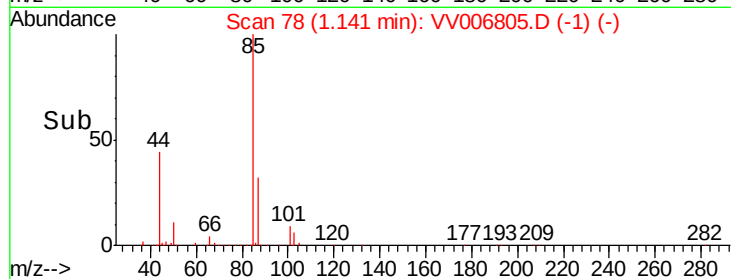
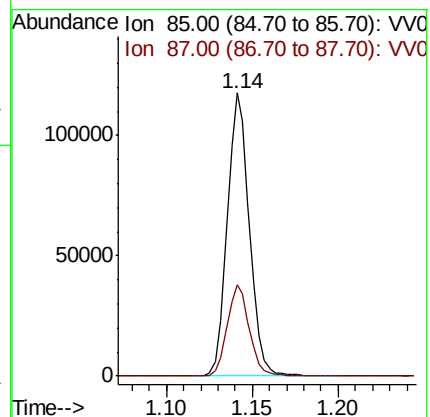
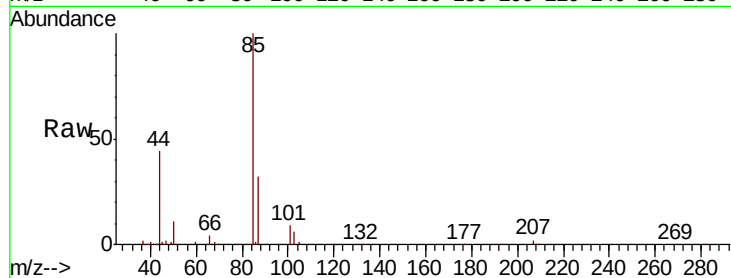
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 106022

Ion Ratio Lower Upper

85 100

87 32.3 25.4 38.0



#3

Chloromethane

Concen: 4.129 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV006805.D

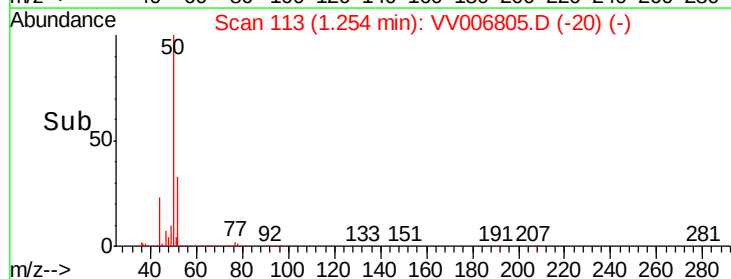
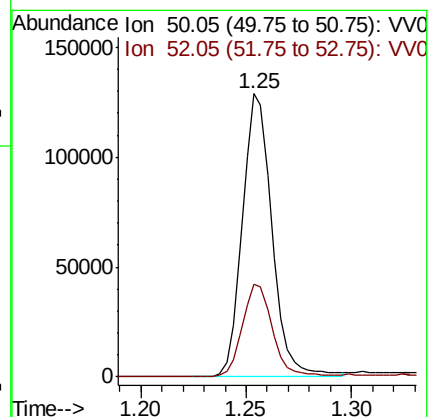
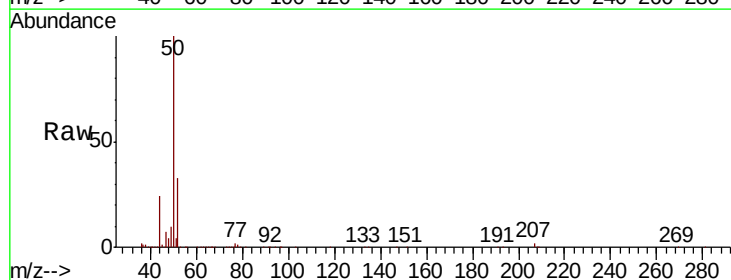
Acq: 02 Aug 2018 13:23

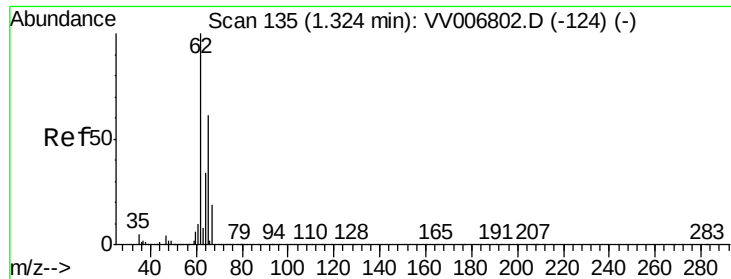
Tgt Ion: 50 Resp: 125254

Ion Ratio Lower Upper

50 100

52 32.8 23.3 43.3





#5

Vinyl chloride

Concen: 4.998 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

Instrument :

MSVOA_V

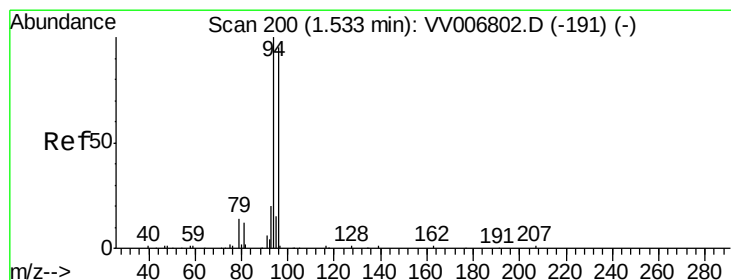
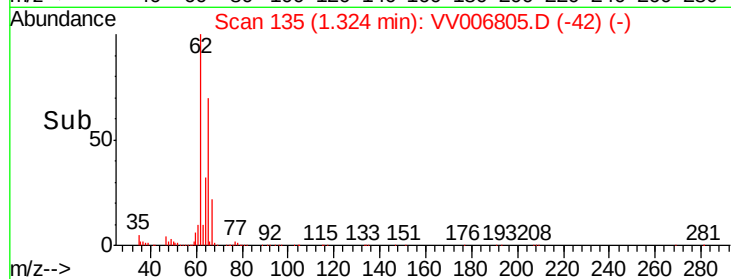
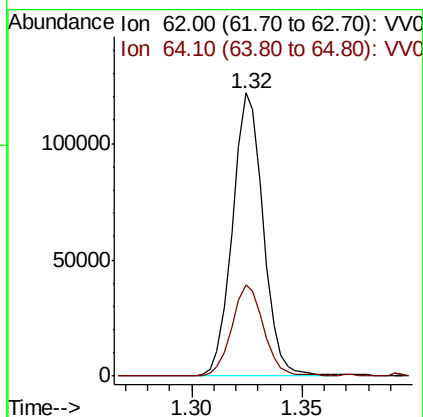
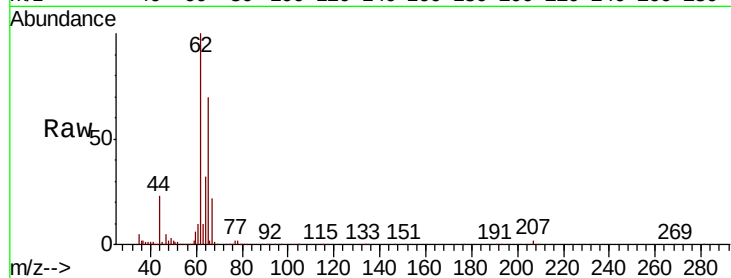
ClientSampled :

Tot Ion: 62 Resp: 117793

Ion Ratio Lower Upper

62 100

64 32.1 23.7 43.9



#6

Bromomethane

Concen: 4.805 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV006805.D

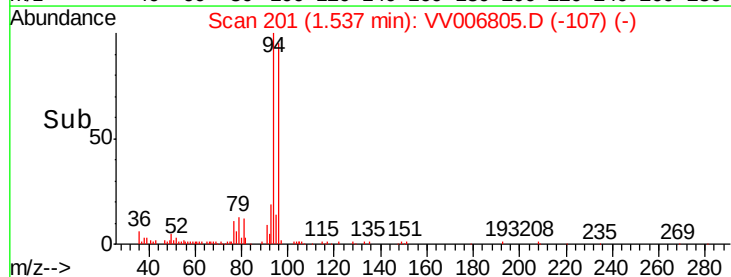
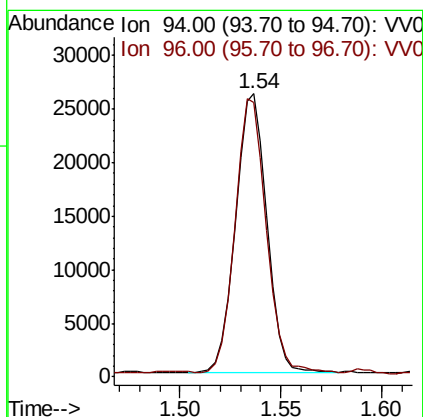
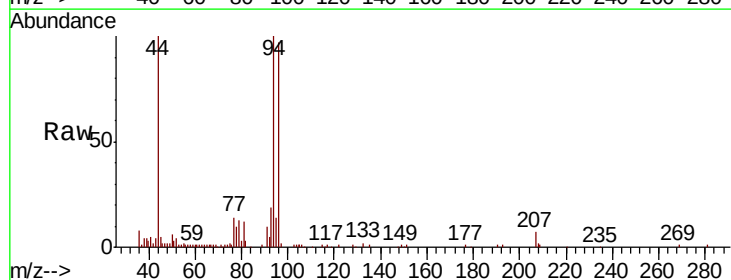
Acq: 02 Aug 2018 13:23

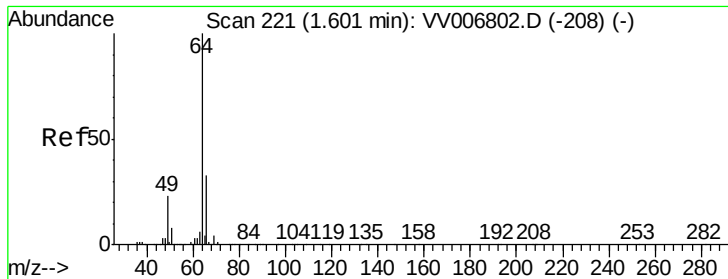
Tgt Ion: 94 Resp: 28240

Ion Ratio Lower Upper

94 100

96 96.8 66.2 123.0

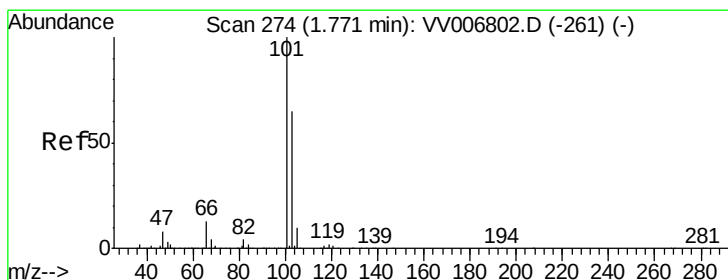
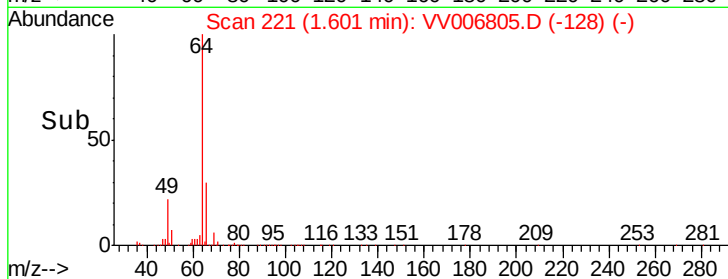
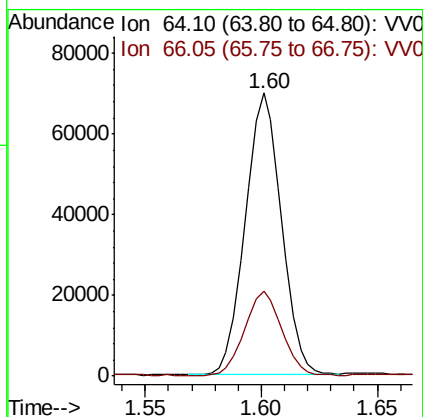
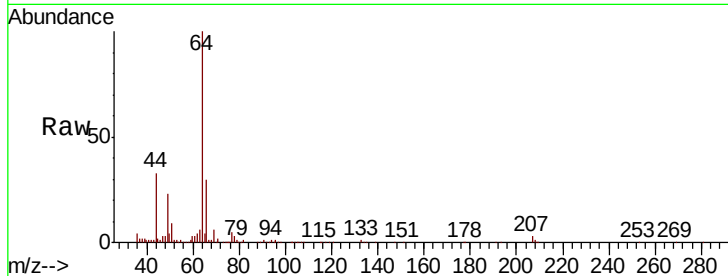




#8
Chloroethane
Concen: 4.763 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VV006805.D
Acq: 02 Aug 2018 13:23

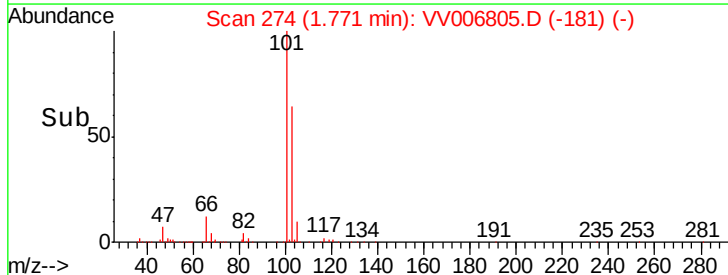
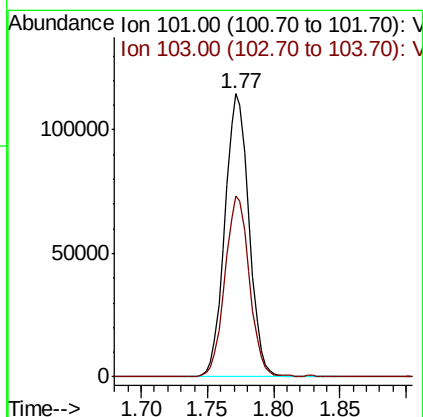
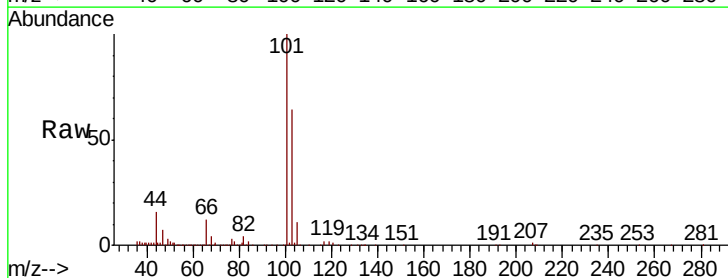
Instrument :
MSVOA_V
ClientSampleId :

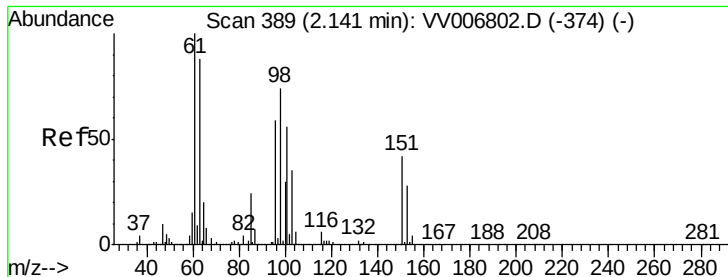
Tot Ion: 64 Resp: 75443
Ion Ratio Lower Upper
64 100
66 29.9 23.0 42.6



#9
Trichlorofluoromethane
Concen: 5.028 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV006805.D
Acq: 02 Aug 2018 13:23

Tgt Ion:101 Resp: 144892
Ion Ratio Lower Upper
101 100
103 64.1 51.1 76.7





#10

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

Concen: 5.046 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

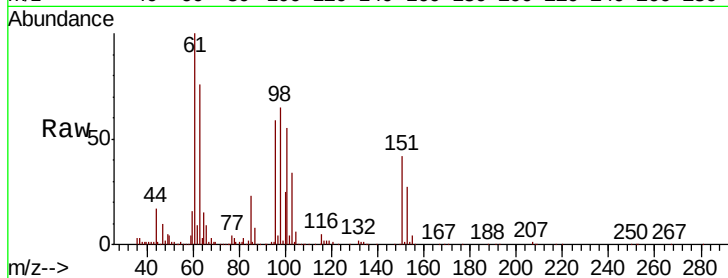
Tot Ion:101 Resp: 91463

Ion Ratio Lower Upper

101 100

85 42.1 33.3 49.9

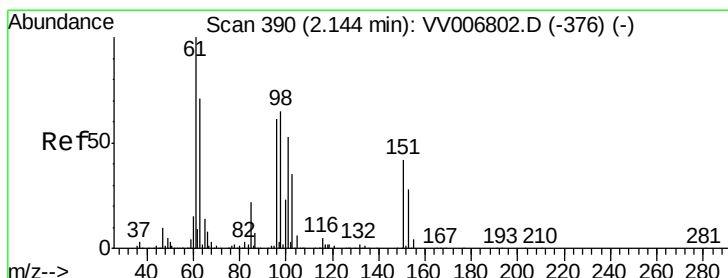
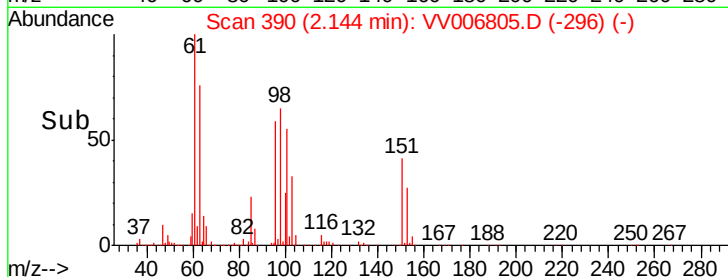
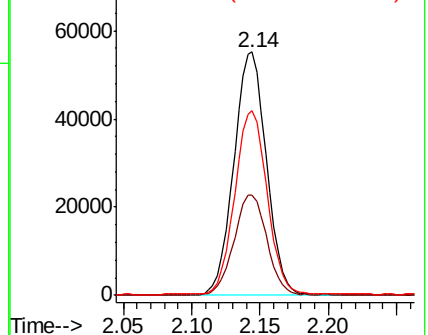
151 74.5 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.987 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

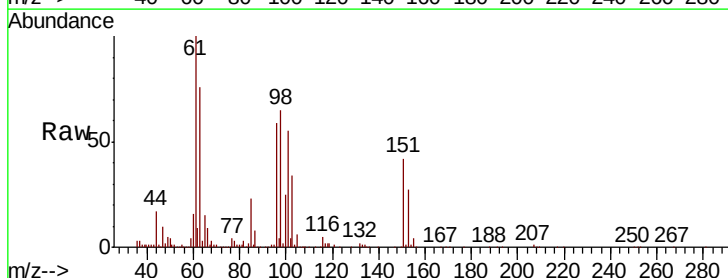
Tgt Ion: 96 Resp: 83727

Ion Ratio Lower Upper

96 100

61 168.4 115.3 214.1

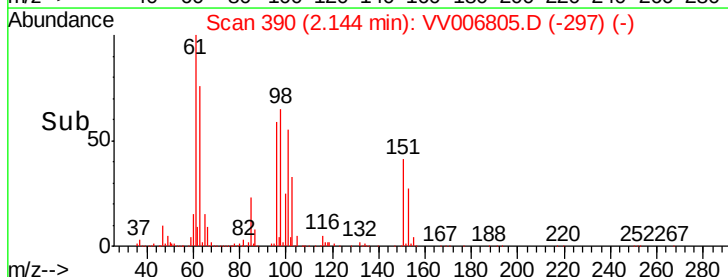
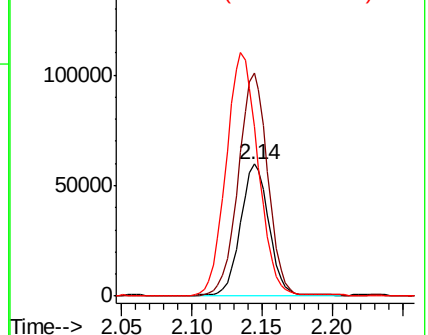
63 128.1 81.9 152.1

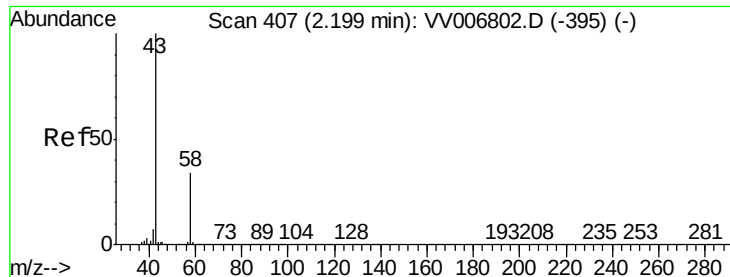


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 52.537 ug/L

RT: 2.20 min Scan# 408

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

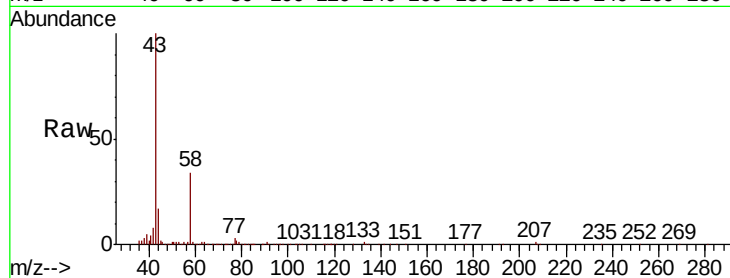
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 163491

Ion Ratio Lower Upper

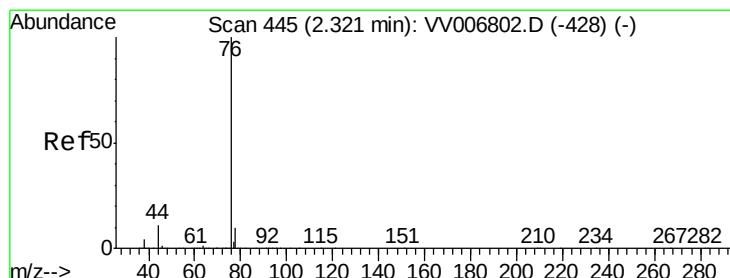
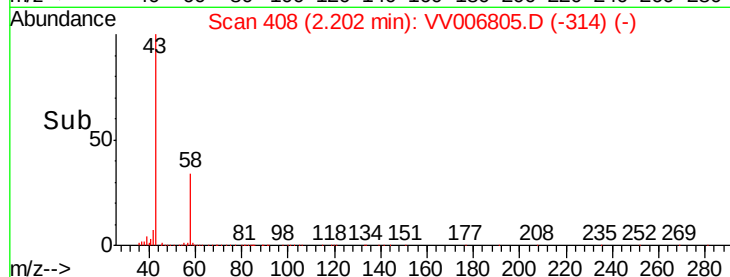
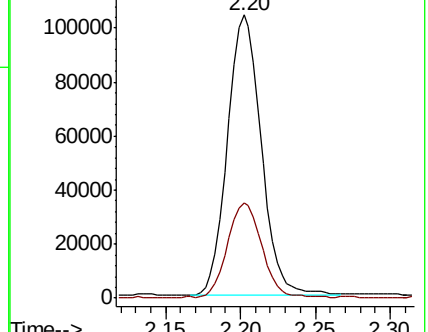
43 100

58 33.8 0.0 69.0



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

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



#14

Carbon disulfide

Concen: 5.087 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006805.D

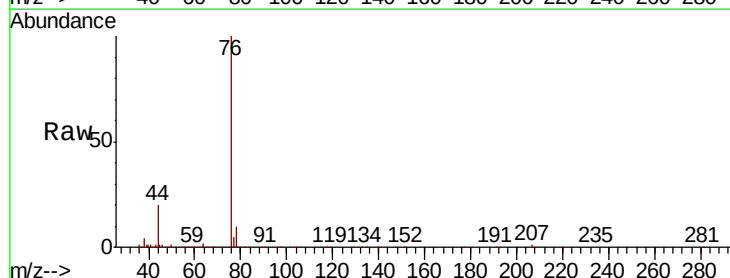
Acq: 02 Aug 2018 13:23

Tgt Ion: 76 Resp: 253380

Ion Ratio Lower Upper

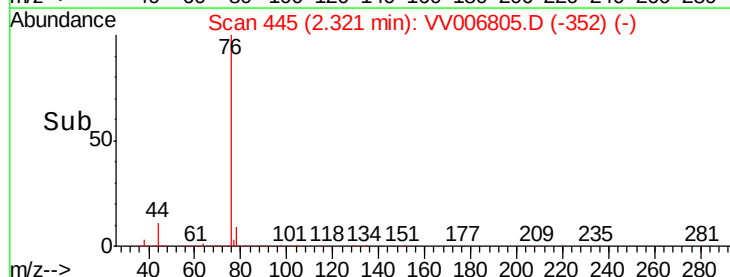
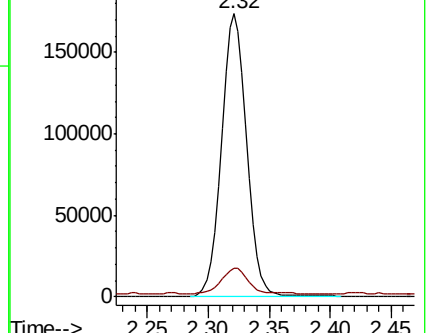
76 100

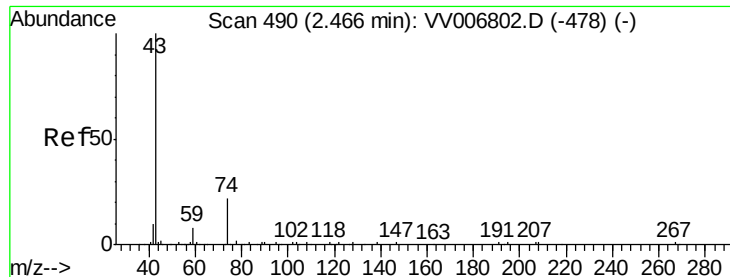
78 10.2 8.7 13.1



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

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

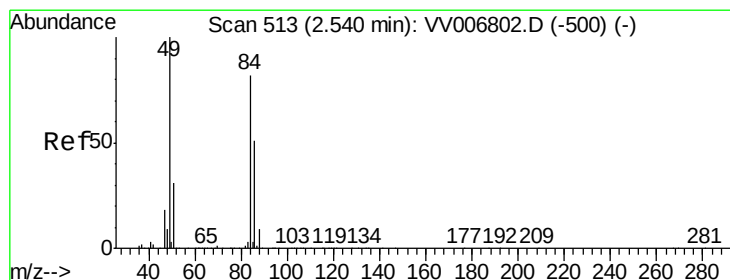
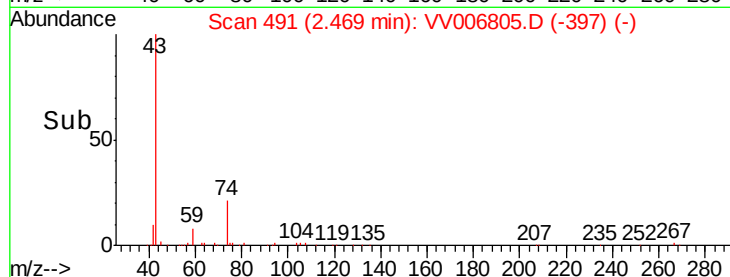
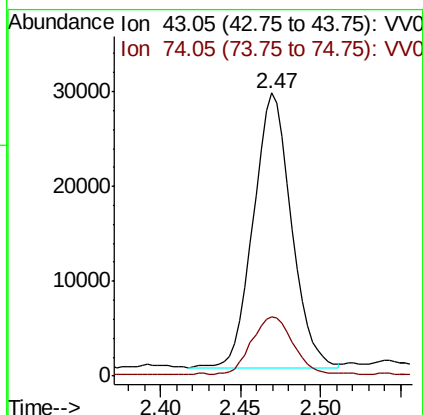
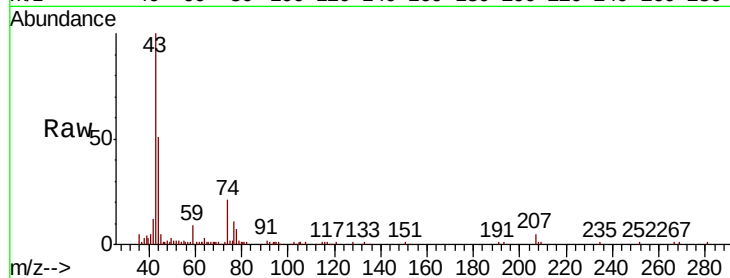




#15
Methvl Acetate
Concen: 5.023 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV006805.D
Acq: 02 Aug 2018 13:23

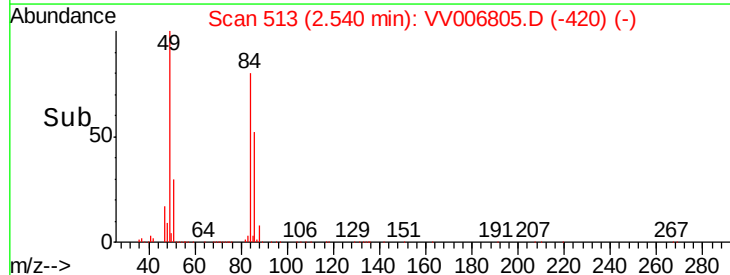
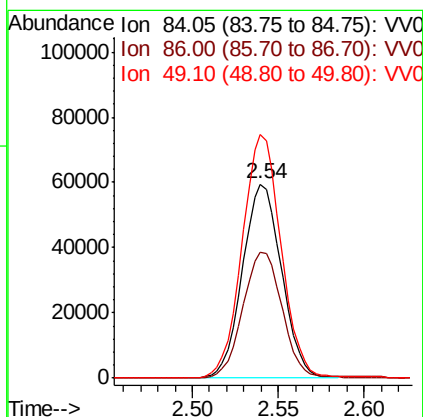
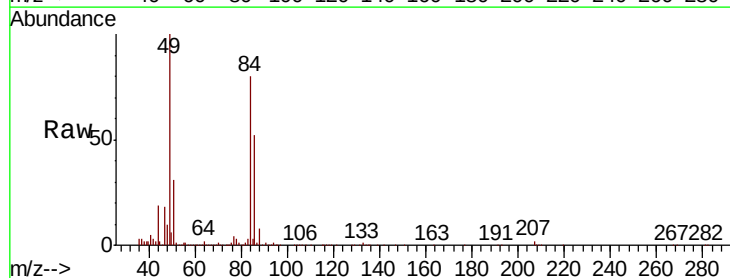
Instrument :
MSVOA_V
ClientSampleId :

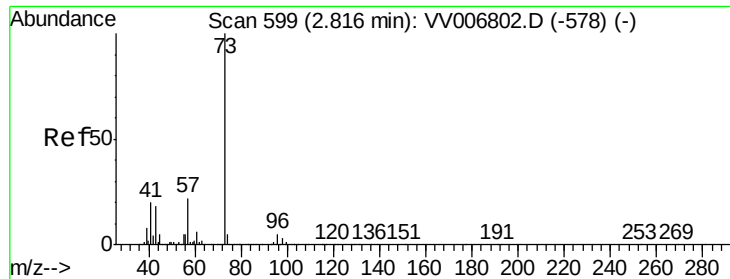
Tot Ion: 43 Resp: 47045
Ion Ratio Lower Upper
43 100
74 22.2 18.3 27.5



#16
Methylene chloride
Concen: 4.689 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006805.D
Acq: 02 Aug 2018 13:23

Tgt Ion: 84 Resp: 94166
Ion Ratio Lower Upper
84 100
86 64.6 43.8 81.3
49 125.4 85.3 158.5

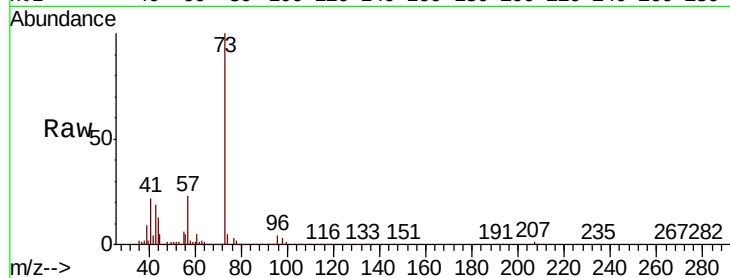




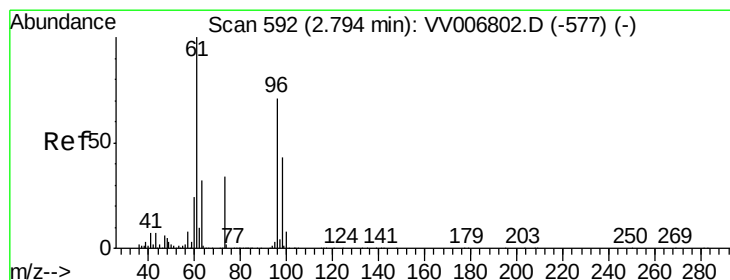
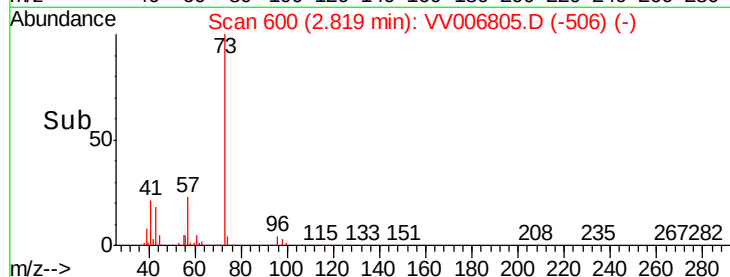
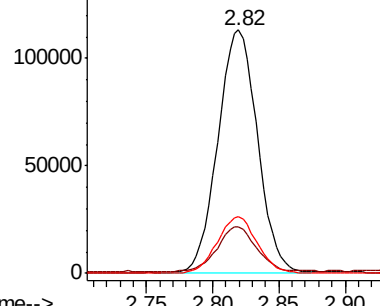
#17
Methyl tert-butyl Ether
Concen: 5.212 ug/L
RT: 2.82 min Scan# 600
Delta R.T. 0.00 min
Lab File: VV006805.D
Acq: 02 Aug 2018 13:23

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.0	14.6	22.0
57	22.9	18.0	27.0

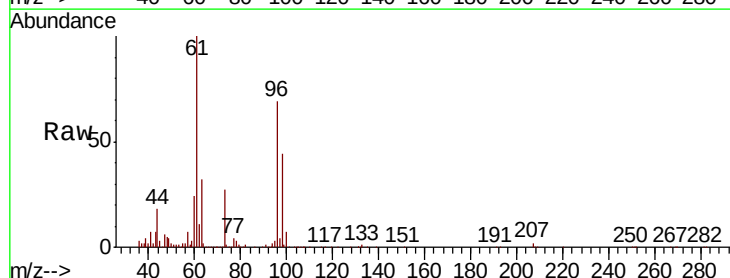


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

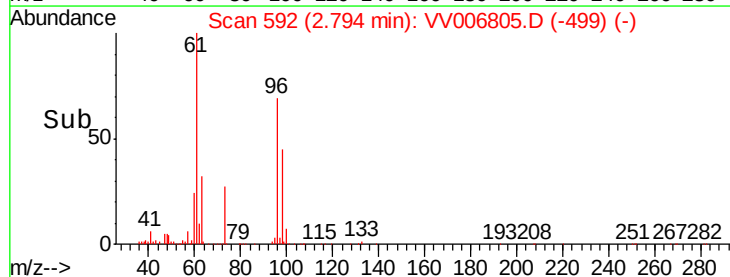
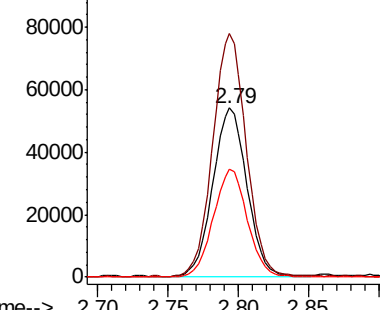


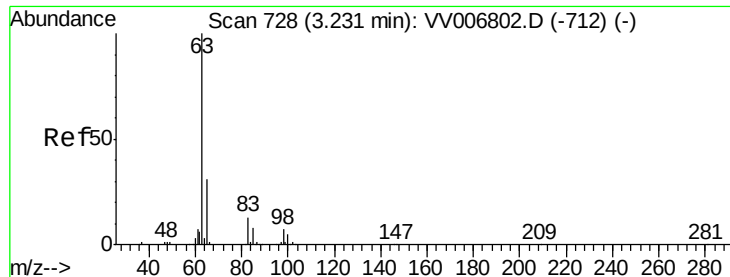
#18
trans-1,2-Dichloroethene
Concen: 4.986 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006805.D
Acq: 02 Aug 2018 13:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.0	99.0	183.8
98	63.9	42.8	79.4



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

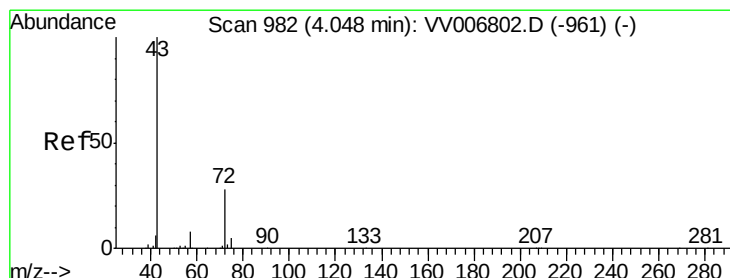
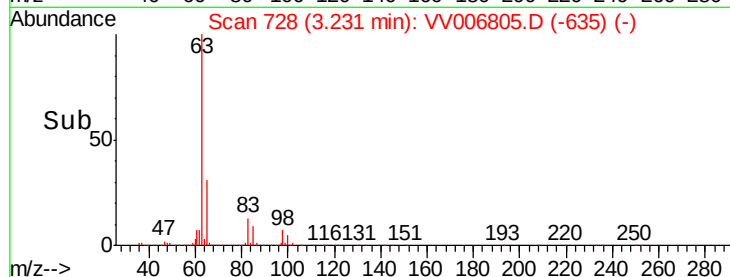
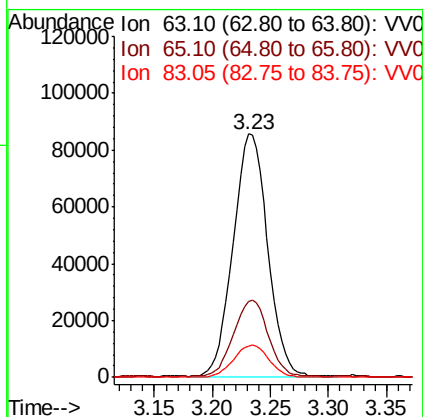
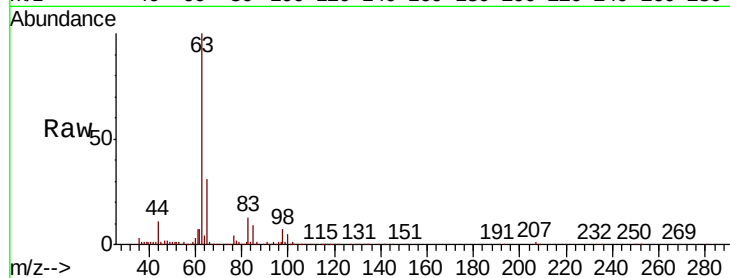




#19
 1,1-Dichloroethane
 Concen: 5.141 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

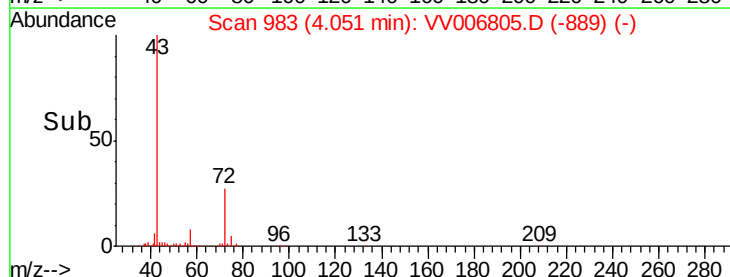
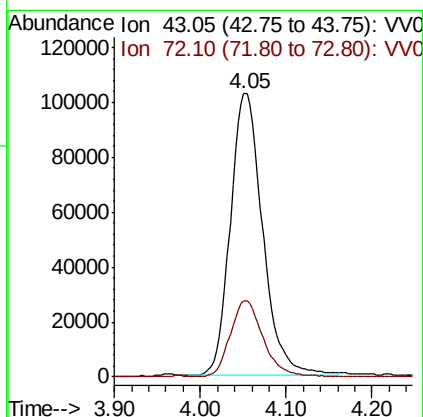
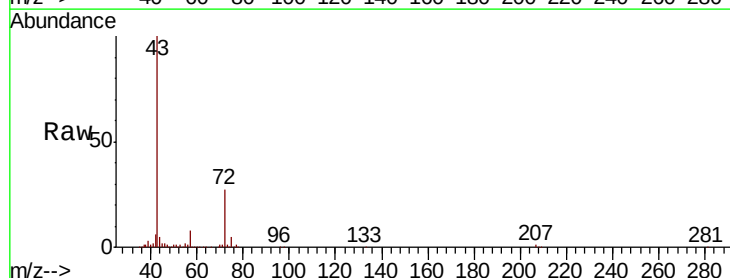
Instrument :
 MSVOA_V
 ClientSampled :

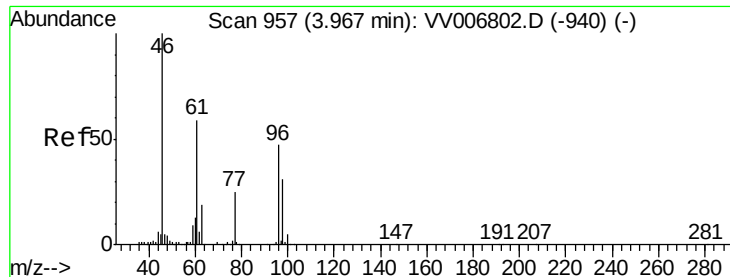
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	22.2	41.2
83	12.9	9.0	16.6



#21
 2-Butanone
 Concen: 56.173 ug/L
 RT: 4.05 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.2	13.4	40.1



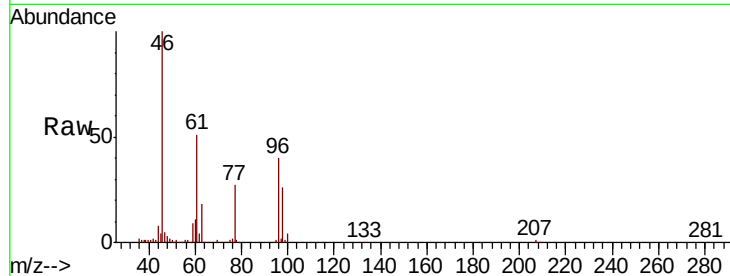


#22

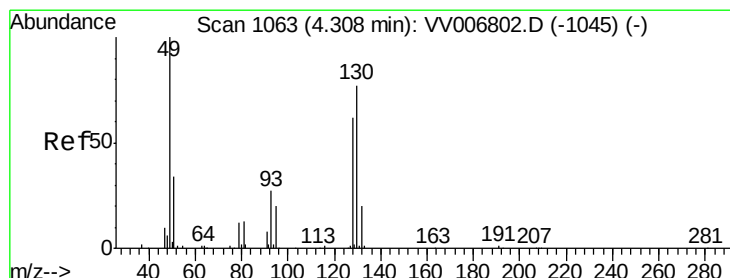
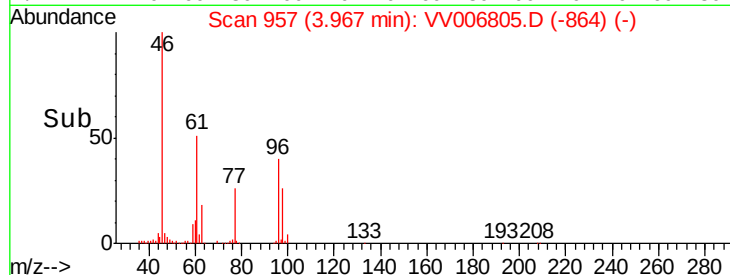
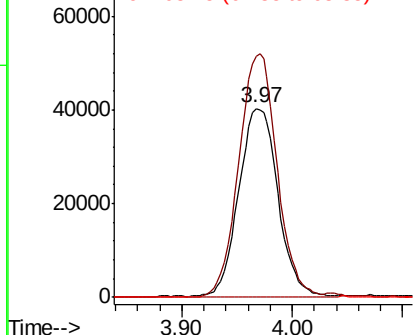
cis-1,2-Dichloroethene
 Concen: 5.018 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.7	86.6	160.8
68	0.0	0.0	0.0



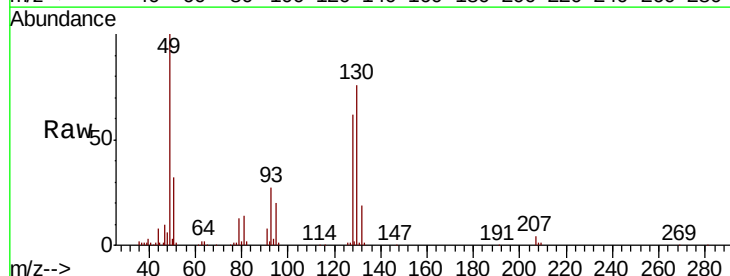
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



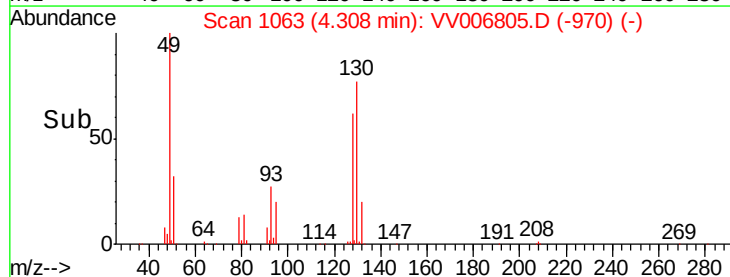
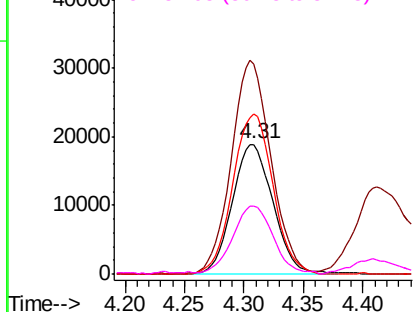
#23

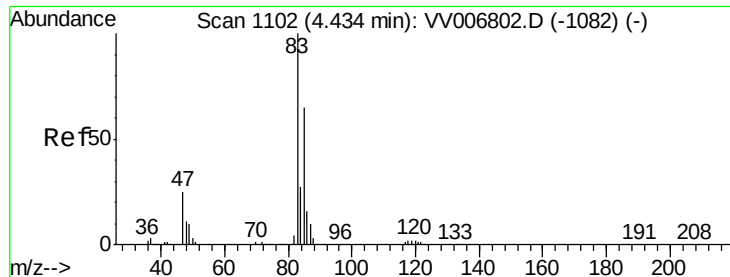
Bromochloromethane
 Concen: 5.236 ug/L
 RT: 4.31 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

Tgt Ion	Ratio	Lower	Upper
128	100		
49	161.9	113.3	210.5
130	123.3	87.1	161.7
51	52.5	44.8	67.2



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

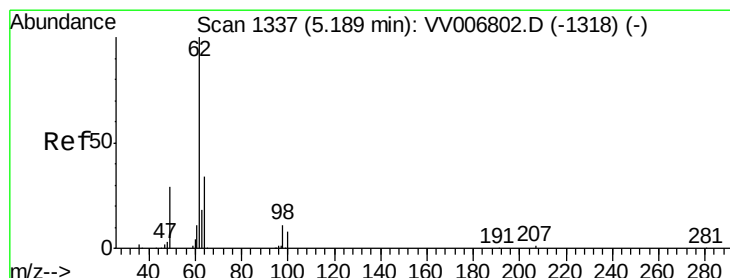
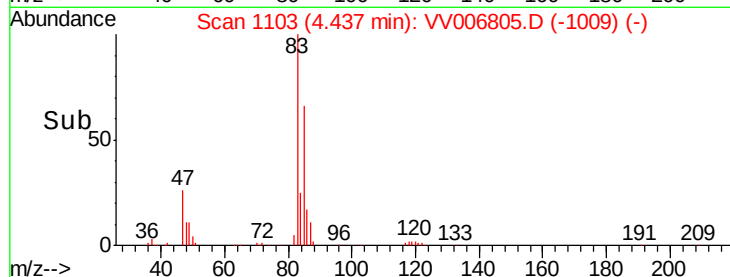
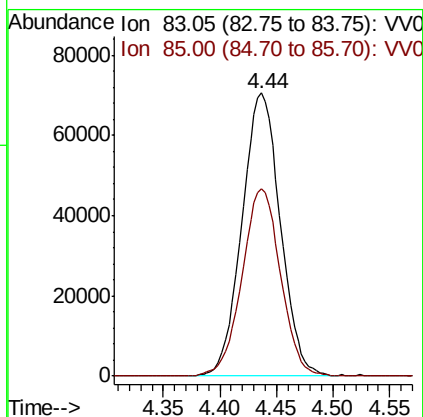
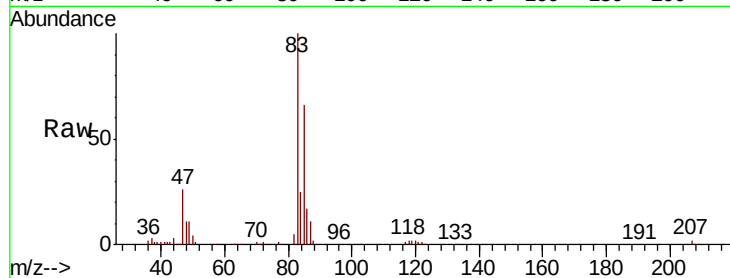




#25
Chloroform
Concen: 5.008 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006805.D
Acq: 02 Aug 2018 13:23

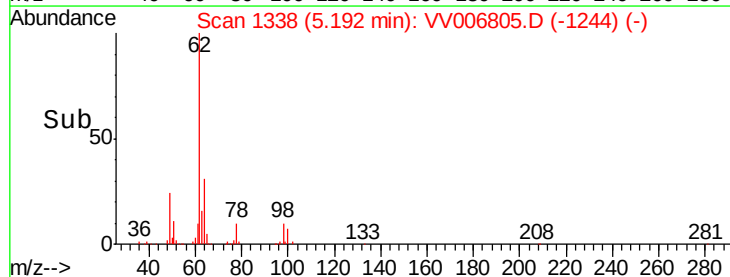
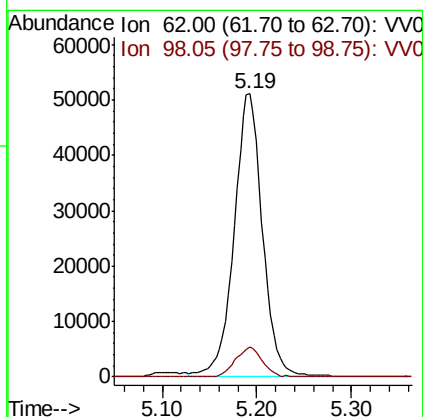
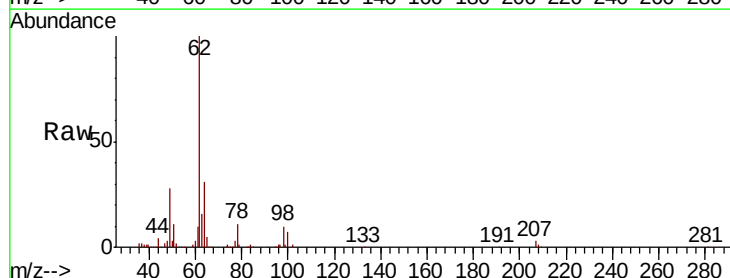
Instrument :
MSVOA_V
ClientSampleId :

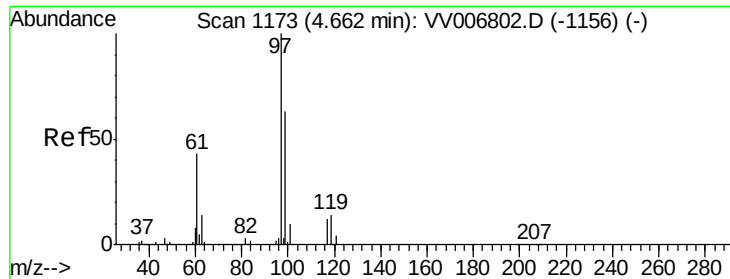
Tot Ion: 83 Resp: 166345
Ion Ratio Lower Upper
83 100
85 66.4 45.4 84.2



#27
1,2-Dichloroethane
Concen: 5.242 ug/L
RT: 5.19 min Scan# 1338
Delta R.T. 0.00 min
Lab File: VV006805.D
Acq: 02 Aug 2018 13:23

Tgt Ion: 62 Resp: 105923
Ion Ratio Lower Upper
62 100
98 10.4 8.8 13.2

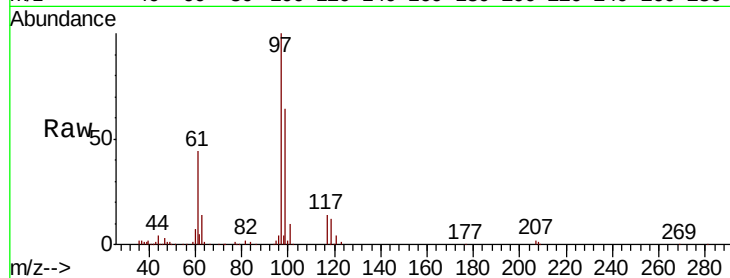




#29
 1,1,1-Trichloroethane
 Concen: 5.087 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	97	Resp	141410
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.8	77.8
61	43.3	34.8	52.2

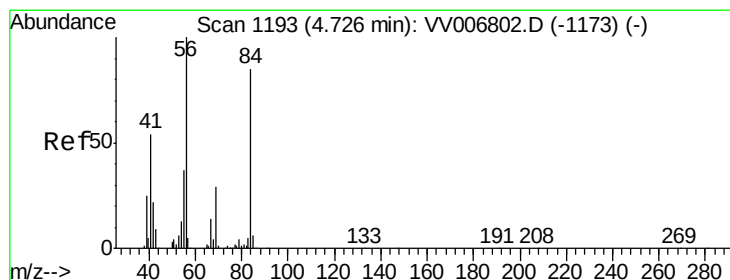
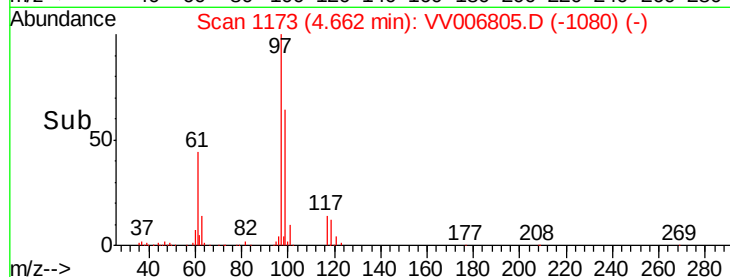
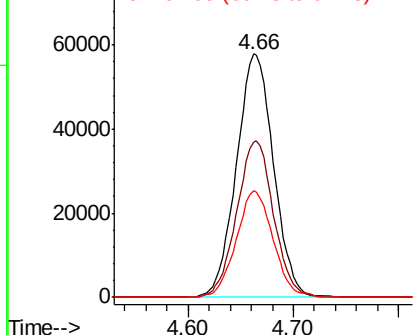


Abundance

Ion 96.95 (96.65 to 97.65): VV0

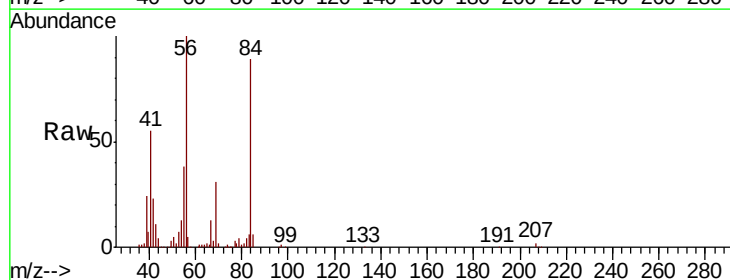
Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30
 Cyclohexane
 Concen: 4.987 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

Tgt Ion	56	Resp	143575
Ion Ratio	Lower	Upper	
56	100		
69	31.4	24.4	36.6
84	91.2	69.4	104.2

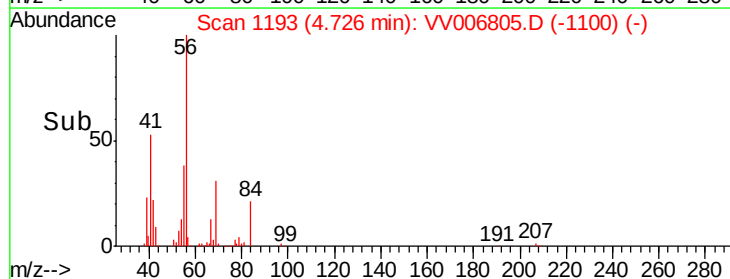
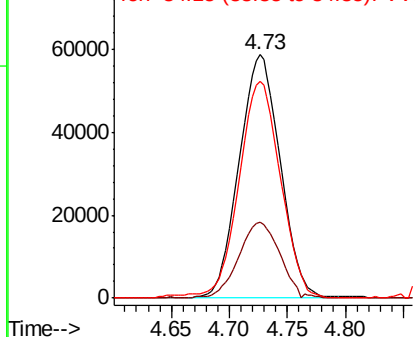


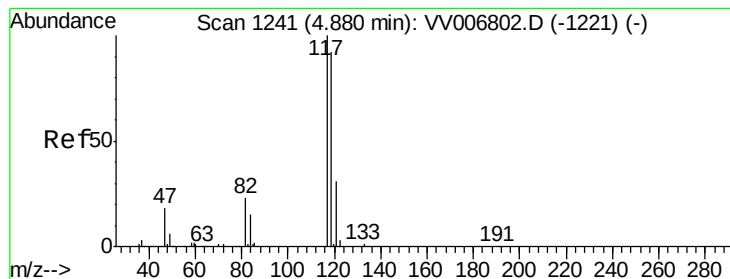
Abundance

Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.092 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

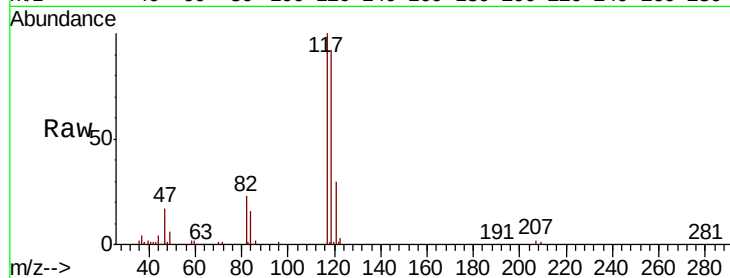
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 116547

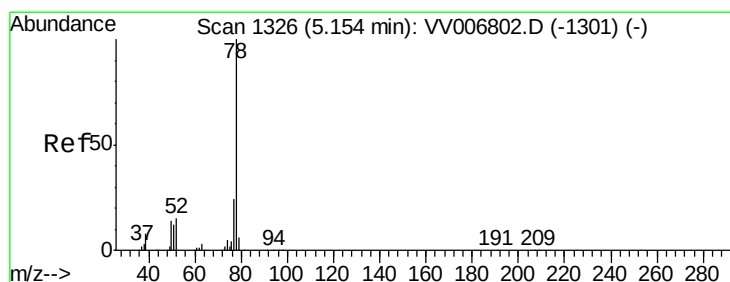
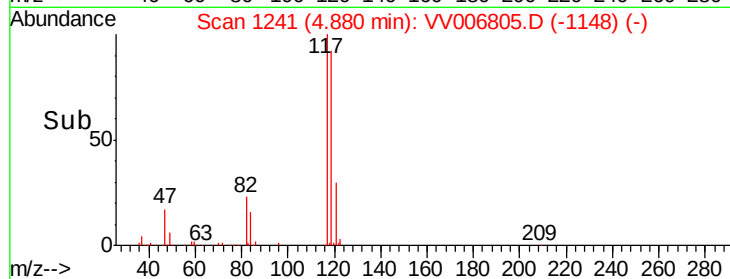
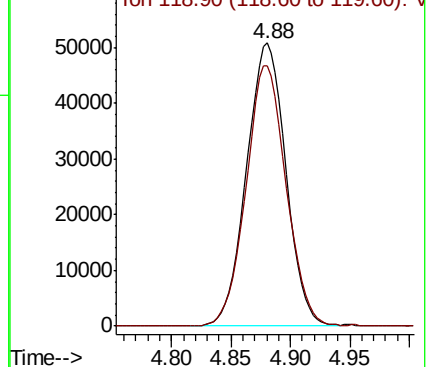
Ion Ratio Lower Upper

117 100

119 93.5 75.1 112.7



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.072 ug/L

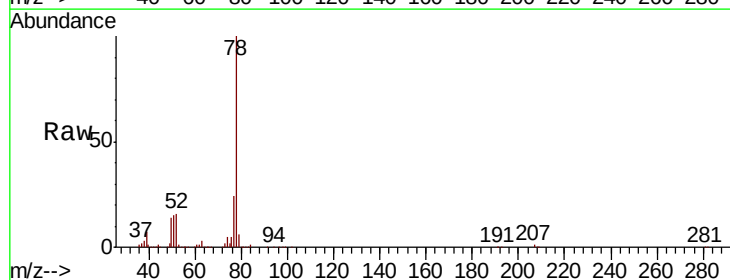
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

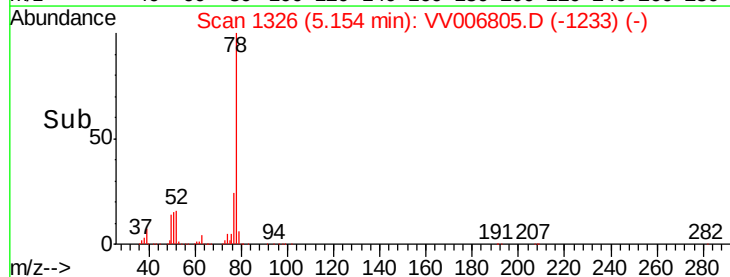
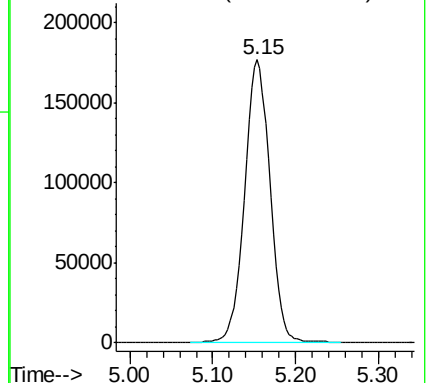
Lab File: VV006805.D

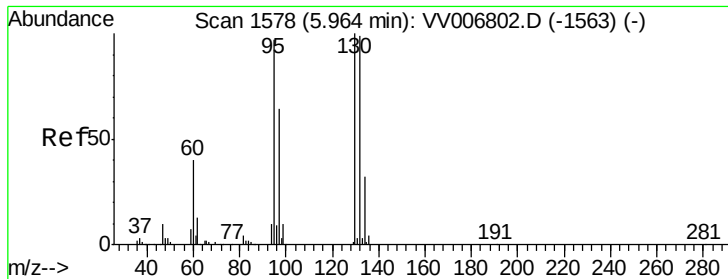
Acq: 02 Aug 2018 13:23

Tgt Ion: 78 Resp: 373711



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.970 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 93210

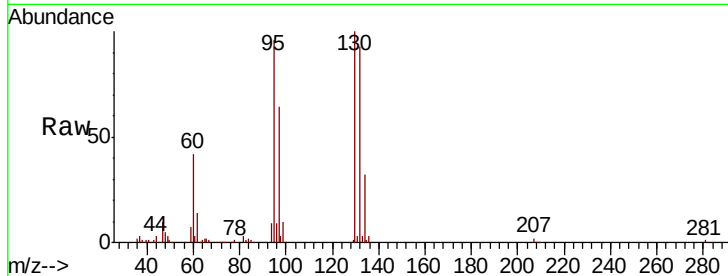
Ion Ratio Lower Upper

95 100

97 66.3 46.3 86.1

132 97.4 72.0 133.6

130 104.3 72.4 134.4

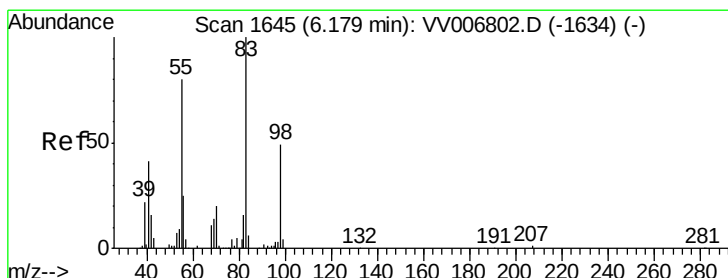
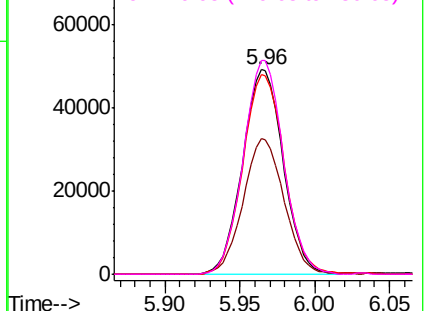
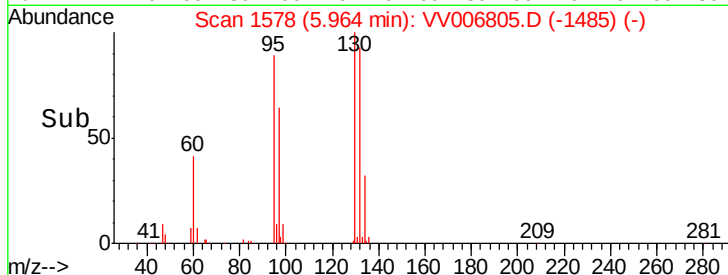


Abundance Ion 95.00 (94.70 to 95.70): VV006805.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV006805.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV006805.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV006805.D (-1485) (-)



#35

Methylcyclohexane

Concen: 5.096 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

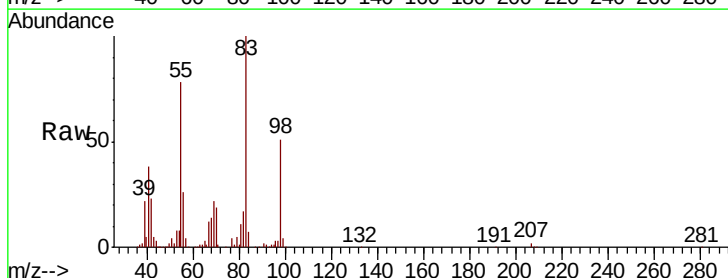
Tgt Ion: 83 Resp: 151752

Ion Ratio Lower Upper

83 100

55 77.0 61.8 92.6

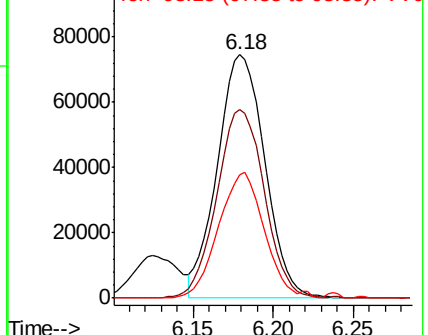
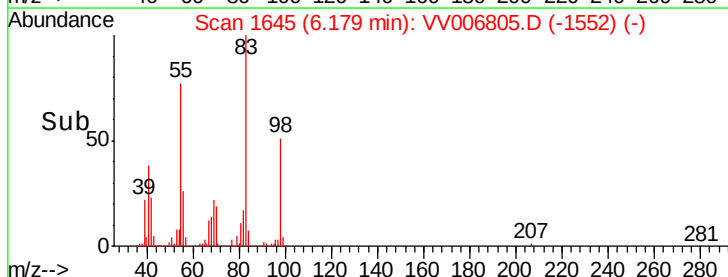
98 49.9 37.2 55.8

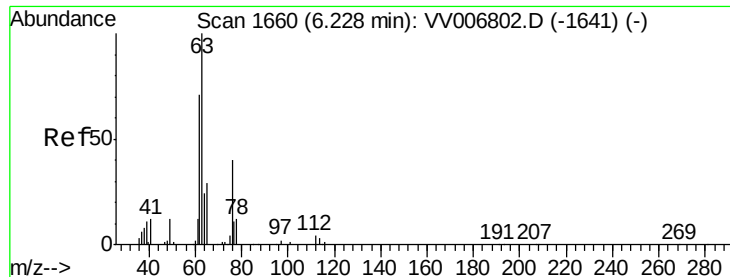


Abundance Ion 83.15 (82.85 to 83.85): VV006805.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006805.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006805.D (-1552) (-)

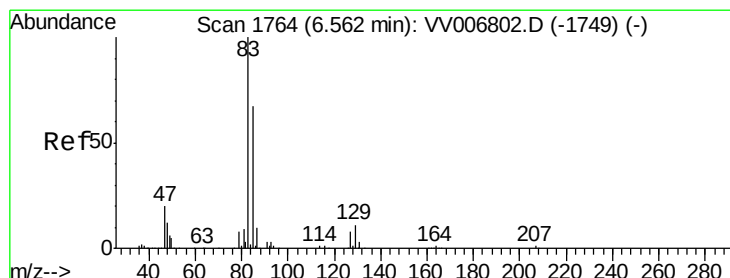
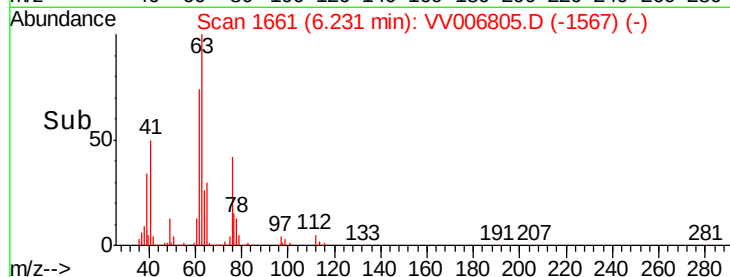
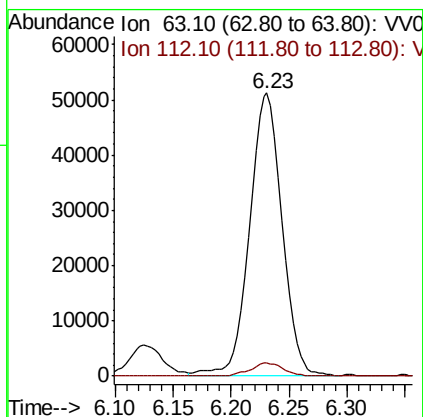
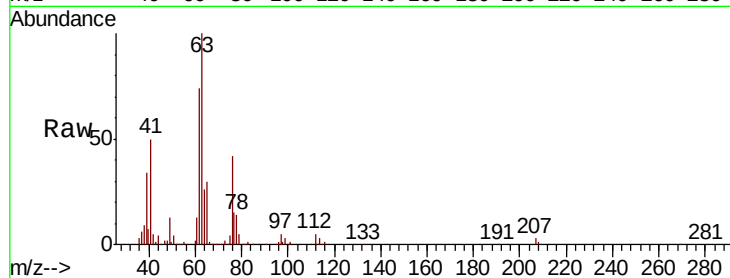




#37
 1,2-Dichloropropane
 Concen: 5.196 ug/L
 RT: 6.23 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

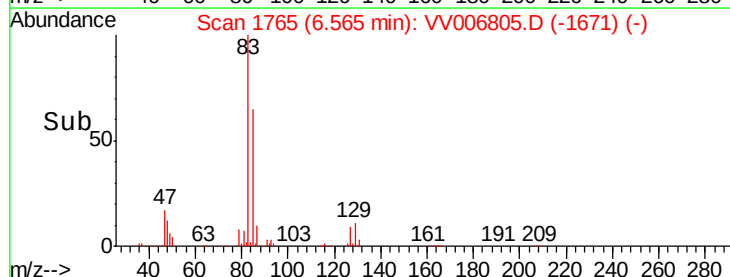
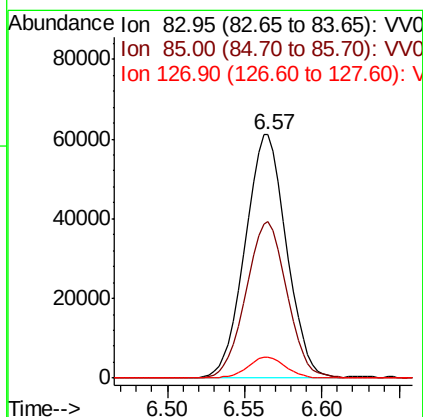
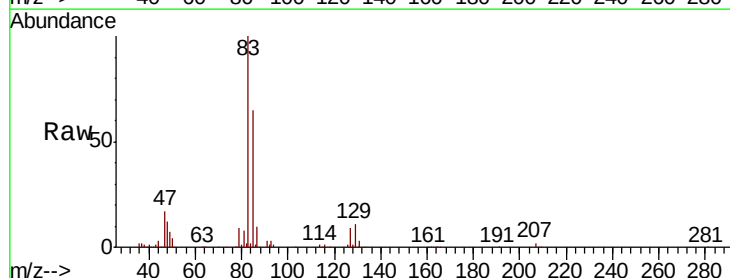
Instrument :
 MSVOA_V
 ClientSampleId :

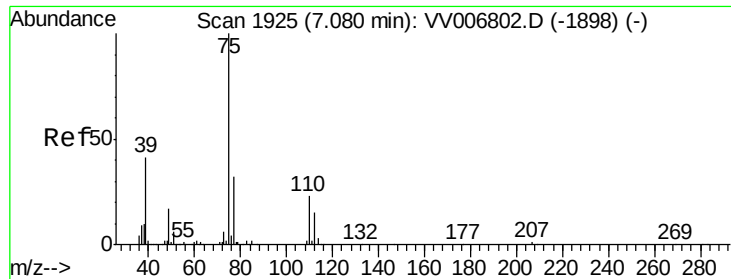
Tot Ion: 63 Resp: 100386
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.0 4.6#



#38
 Bromodichloromethane
 Concen: 5.174 ug/L
 RT: 6.57 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

Tgt Ion: 83 Resp: 113782
 Ion Ratio Lower Upper
 83 100
 85 64.6 46.7 86.7
 127 8.8 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 5.195 ug/L

RT: 7.08 min Scan# 1925

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

Instrument :

MSVOA_V

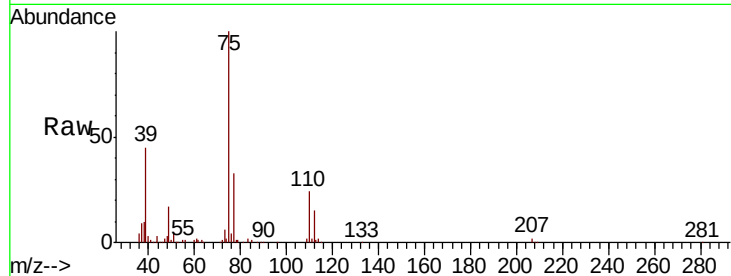
ClientSampleId :

Tot Ion: 75 Resp: 129601

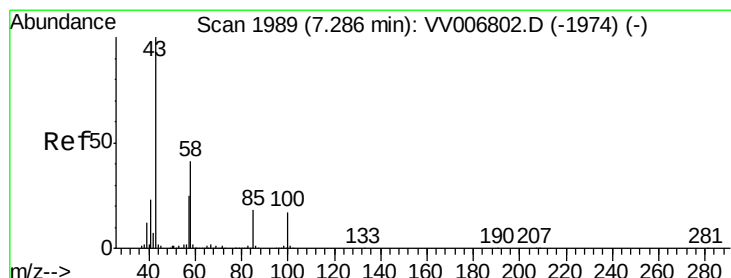
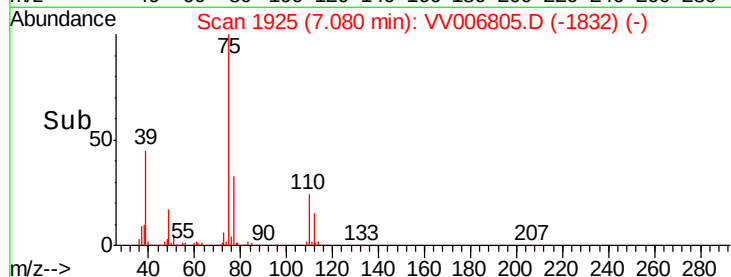
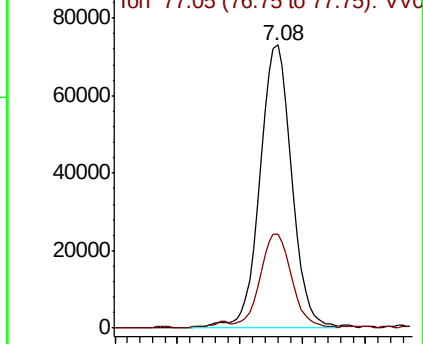
Ion Ratio Lower Upper

75 100

77 33.0 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV006805.D (-1832) (-)



#40

4-Methyl-2-pentanone

Concen: 55.925 ug/L

RT: 7.29 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

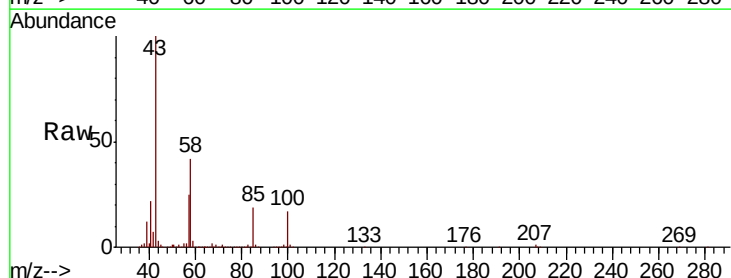
Tgt Ion: 43 Resp: 597966

Ion Ratio Lower Upper

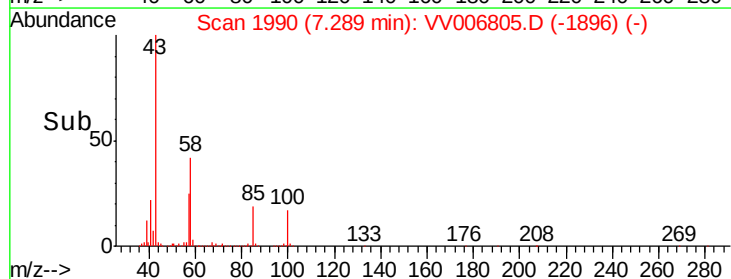
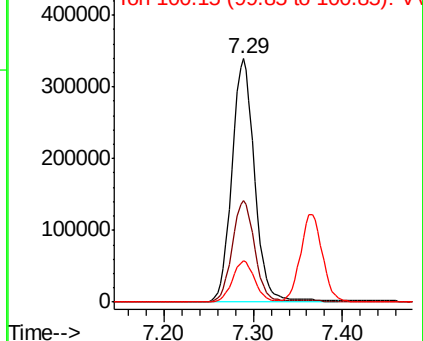
43 100

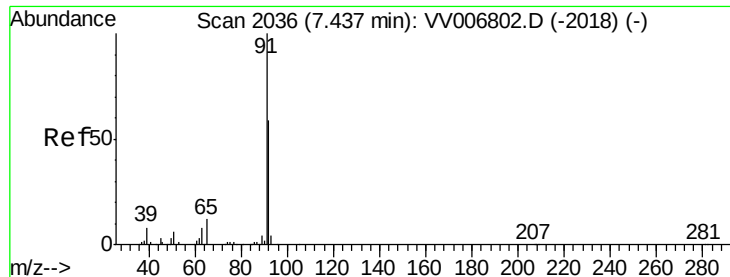
58 41.2 32.6 48.8

100 16.5 13.1 19.7



Abundance Ion 43.05 (42.75 to 43.75): VV006805.D (-1896) (-)





#42

Toluene

Concen: 5.170 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

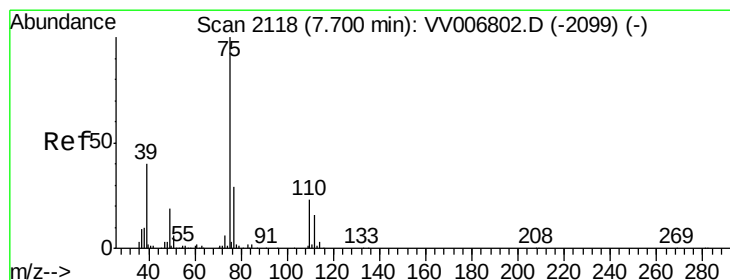
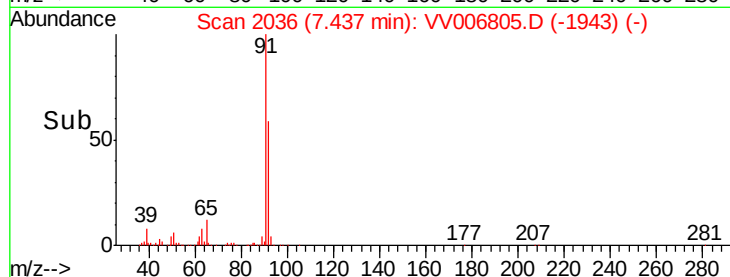
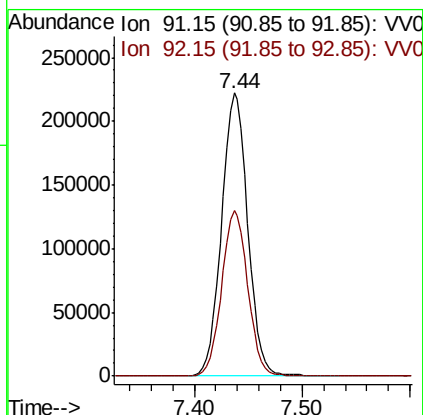
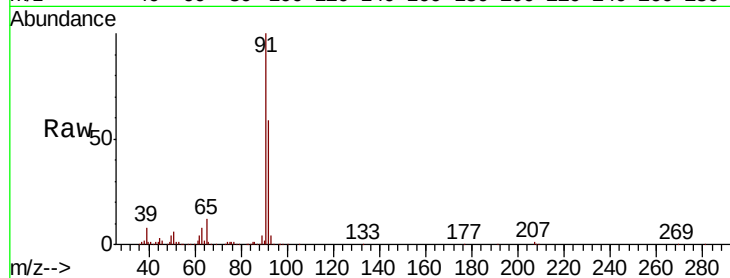
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 374752

Ion Ratio Lower Upper

91 100

92 58.7 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 5.148 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006805.D

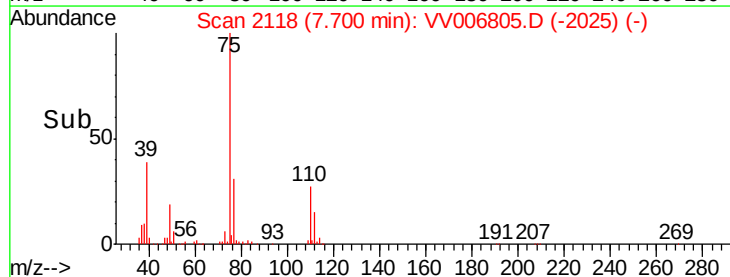
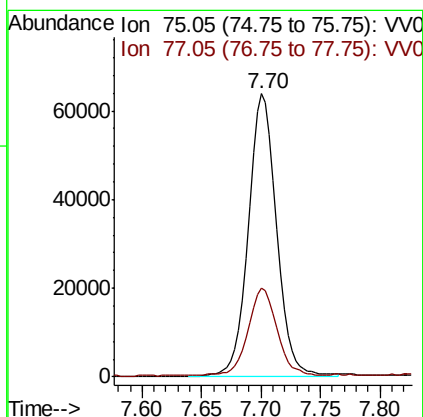
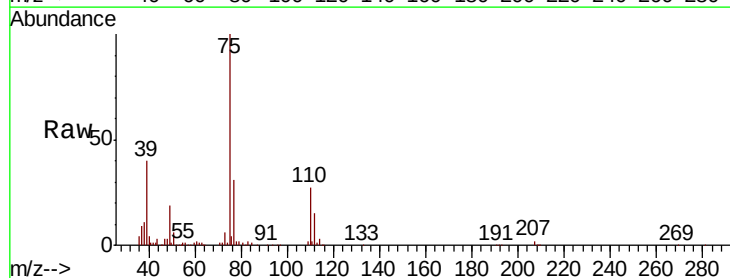
Acq: 02 Aug 2018 13:23

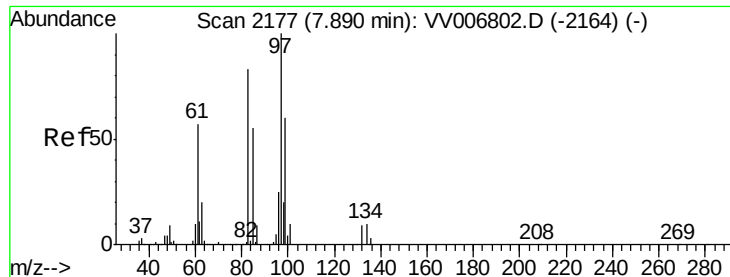
Tgt Ion: 75 Resp: 105751

Ion Ratio Lower Upper

75 100

77 31.3 20.5 38.1





#45

1,1,2-Trichloroethane

Concen: 5.179 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 72343

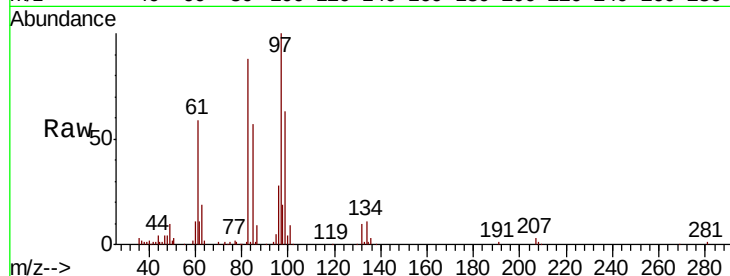
Ion Ratio Lower Upper

97 100

99 63.1 42.2 78.4

83 87.8 58.0 107.8

85 57.2 38.2 71.0



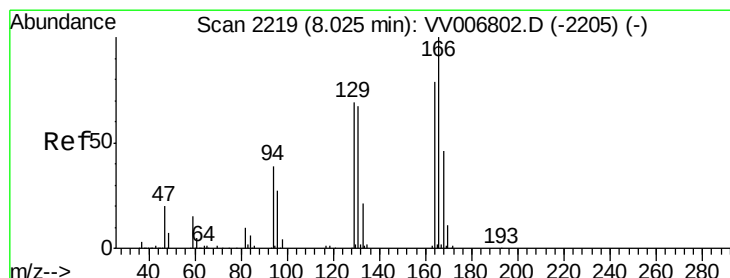
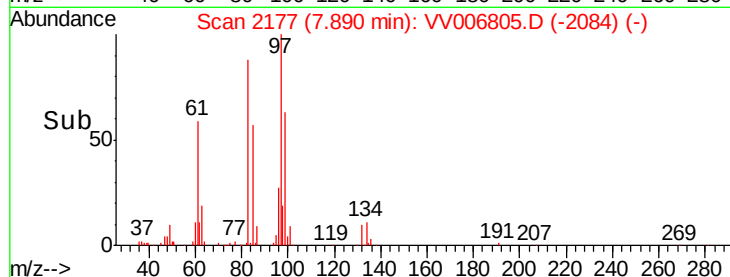
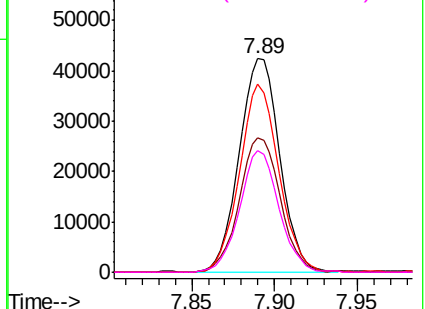
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.115 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

Tgt Ion: 164 Resp: 76422

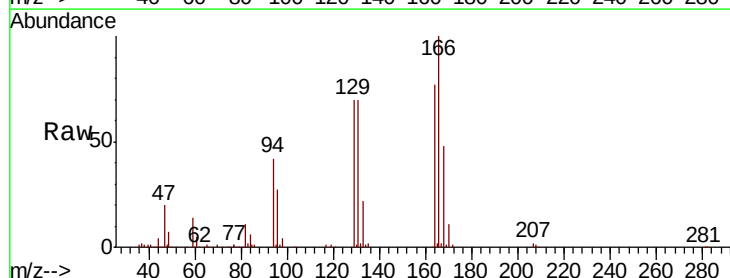
Ion Ratio Lower Upper

164 100

129 91.0 61.1 113.5

131 90.3 59.1 109.7

166 129.7 88.3 163.9



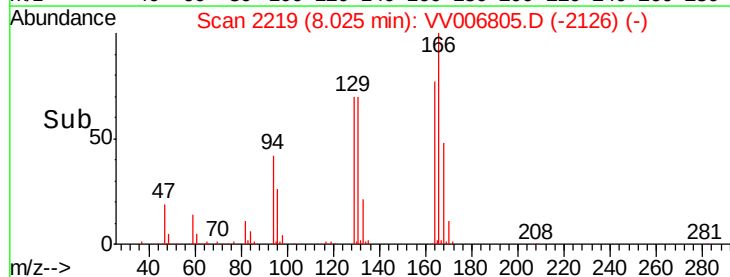
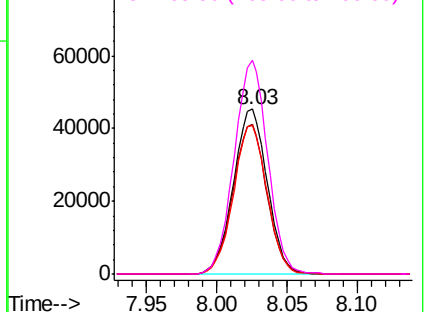
Abundance

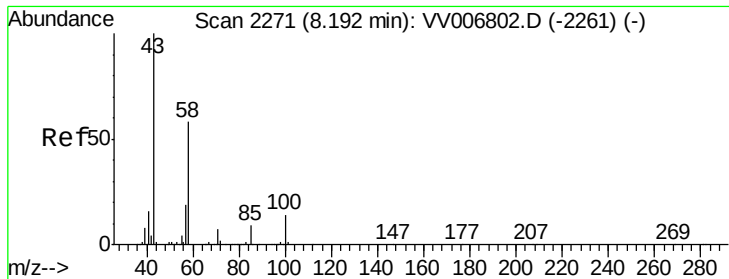
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

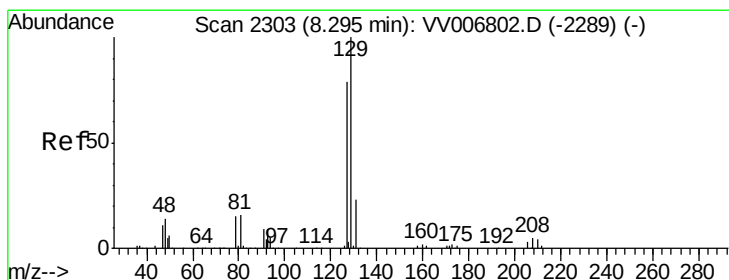
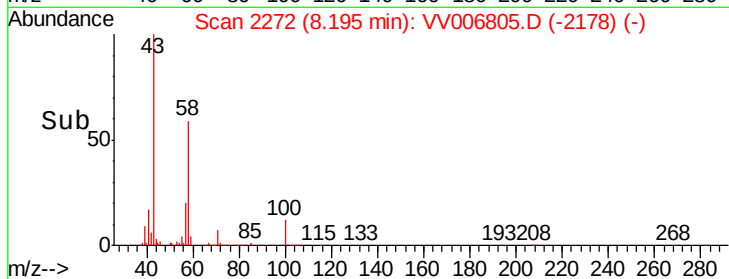
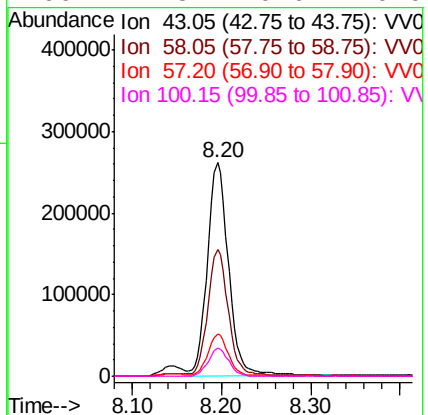
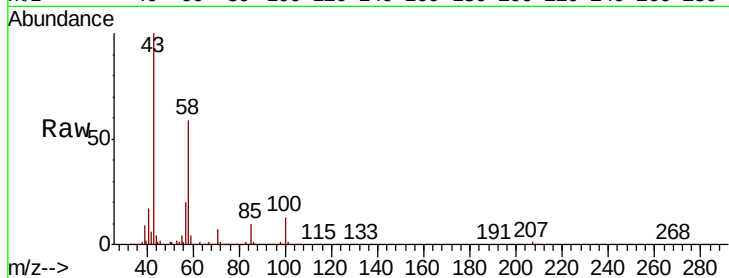




#48
2-Hexanone
Concen: 59.214 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006805.D
Acq: 02 Aug 2018 13:23

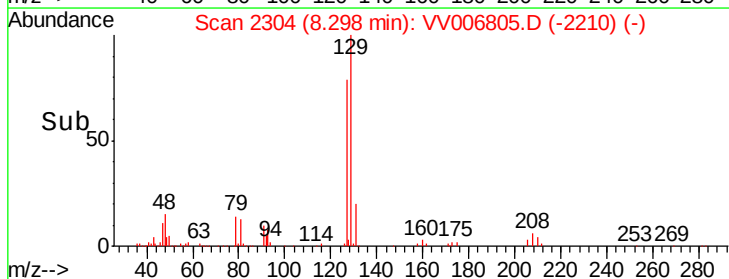
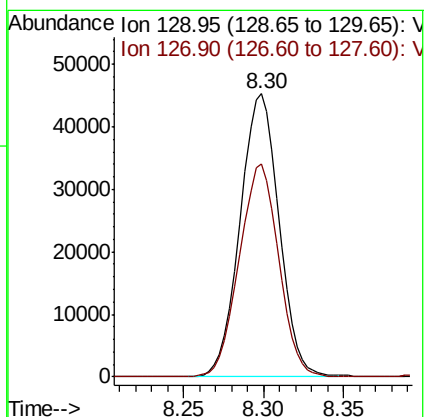
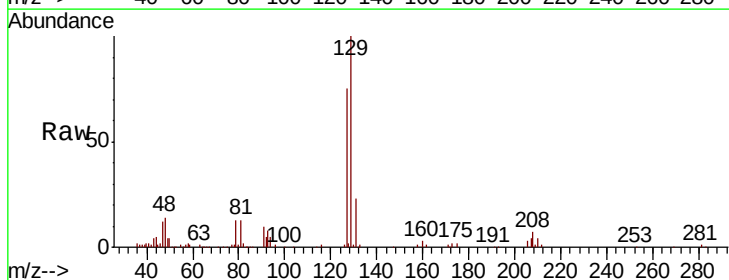
Instrument :
MSVOA_V
ClientSampleId :

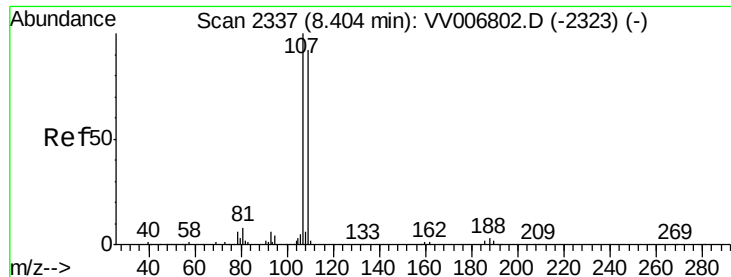
Tot Ion	Ratio	Lower	Upper
43	100		
58	58.0	45.4	68.0
57	18.9	15.4	23.2
100	12.8	10.6	16.0



#49
Dibromochloromethane
Concen: 5.335 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006805.D
Acq: 02 Aug 2018 13:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.2	55.2	102.4

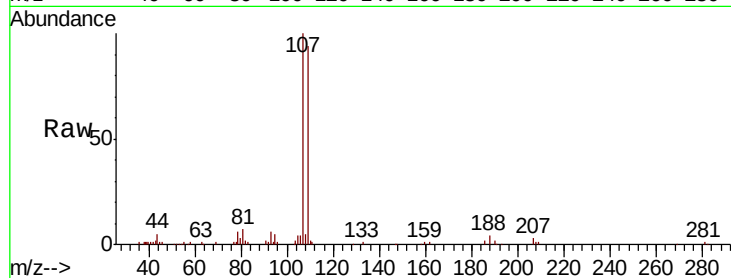




#50
 1,2-Dibromoethane
 Concen: 5.417 ug/L
 RT: 8.40 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	64.0	119.0
188	3.8	2.8	4.2

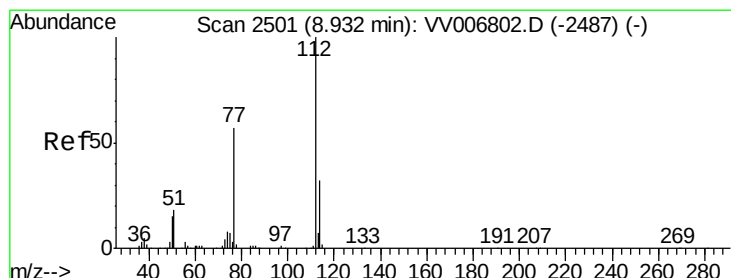
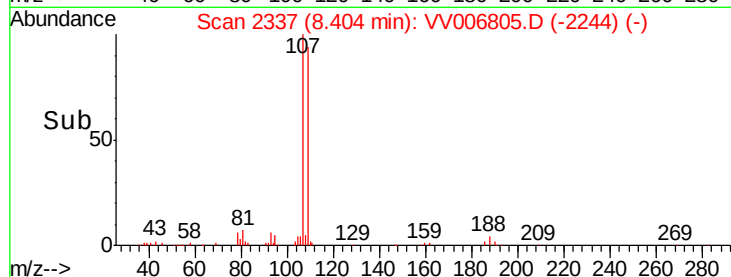
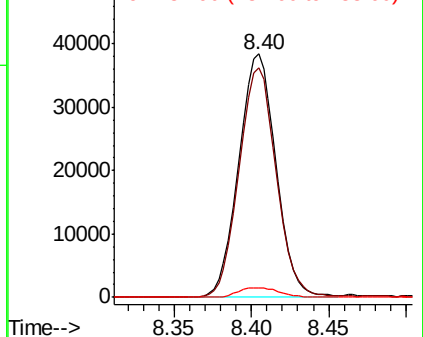


Abundance

Ion 106.95 (106.65 to 107.65): V

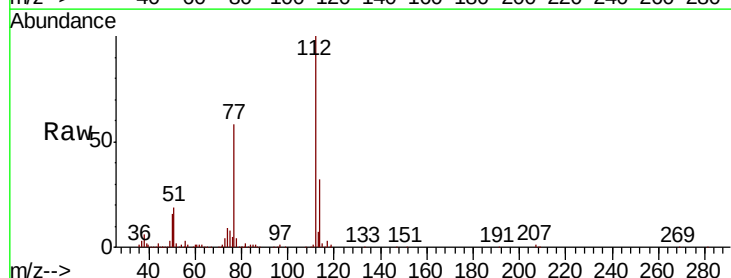
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 5.246 ug/L
 RT: 8.93 min Scan# 2501
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.5
77	58.1	46.3	69.5

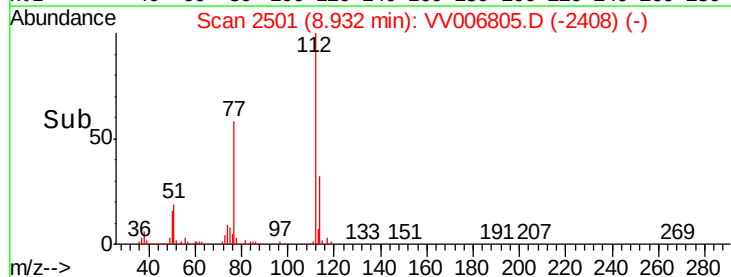
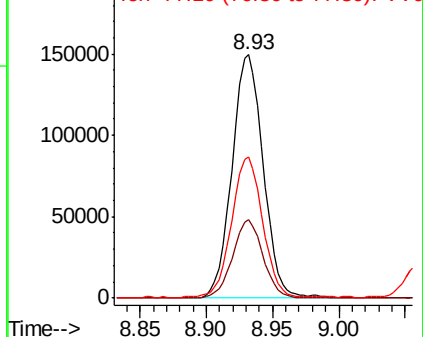


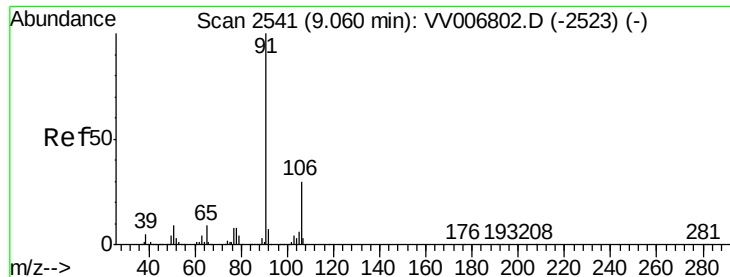
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.079 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

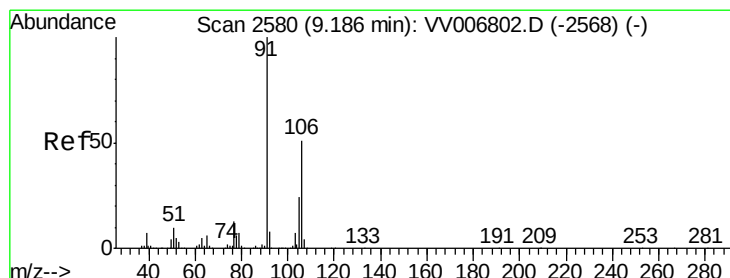
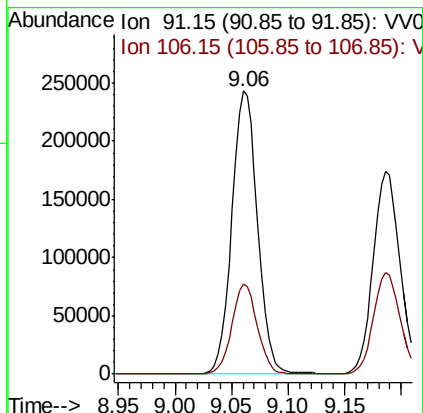
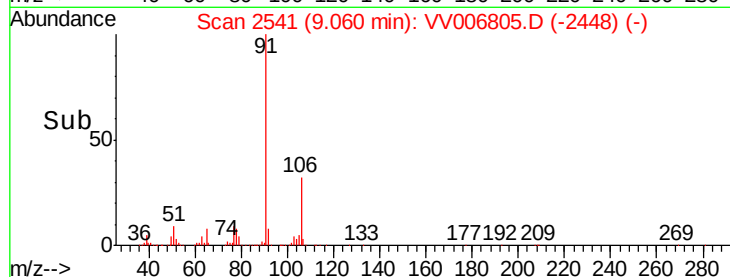
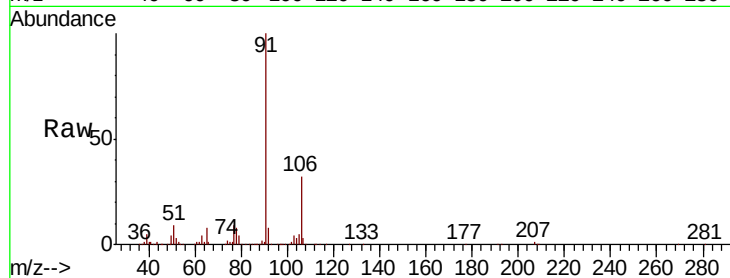
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 384602

Ion Ratio Lower Upper

91 100

106 32.1 21.3 39.6



#53

m,p-xylene

Concen: 5.109 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006805.D

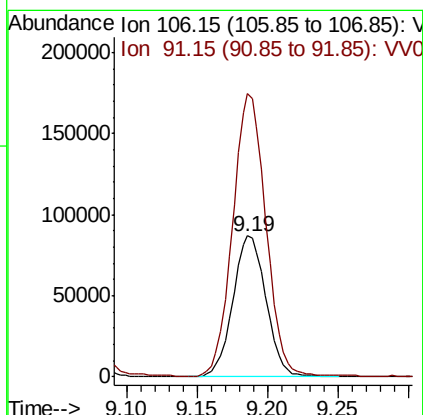
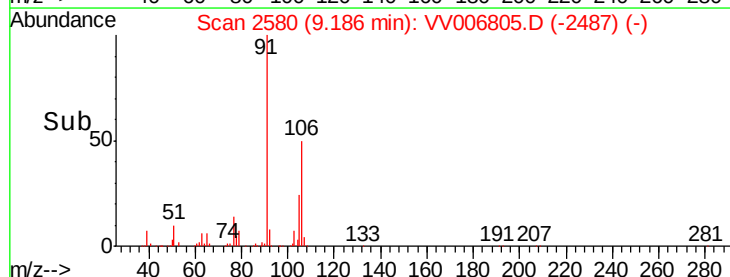
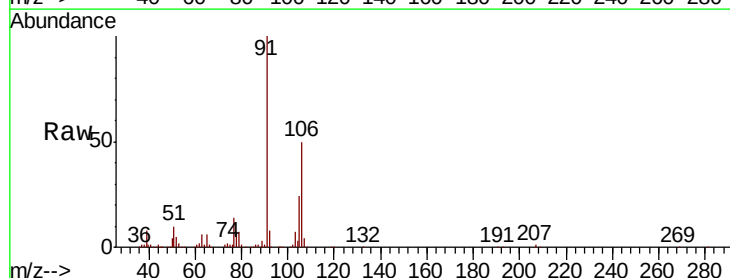
Acq: 02 Aug 2018 13:23

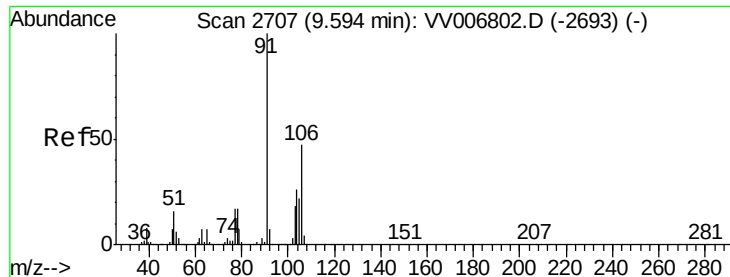
Tgt Ion: 106 Resp: 143596

Ion Ratio Lower Upper

106 100

91 200.6 137.4 255.2





#54

o-xylene

Concen: 5.005 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

Instrument :

MSVOA_V

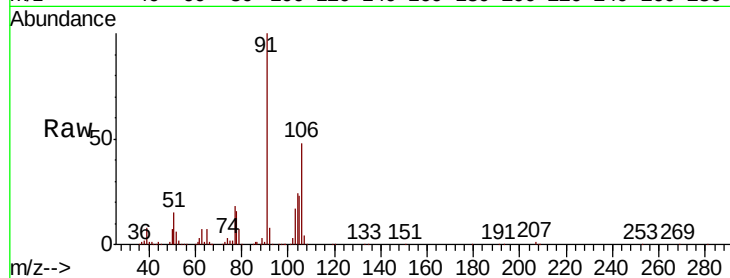
ClientSampleId :

Tot Ion:106 Resp: 141954

Ion Ratio Lower Upper

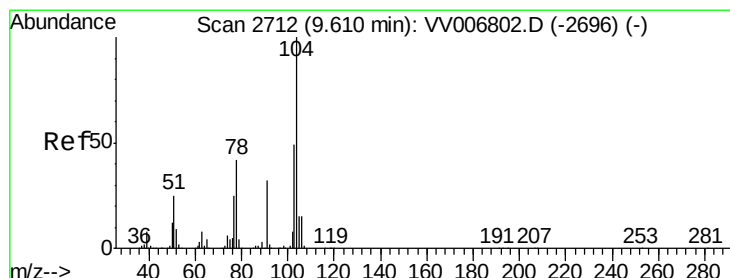
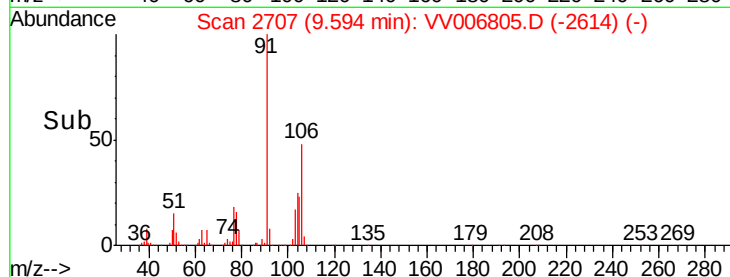
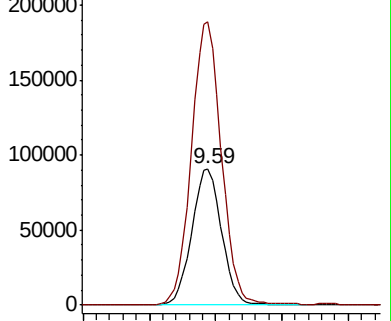
106 100

91 206.9 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.075 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006805.D

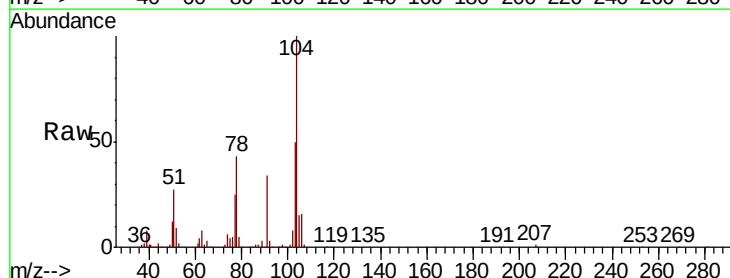
Acq: 02 Aug 2018 13:23

Tgt Ion:104 Resp: 226187

Ion Ratio Lower Upper

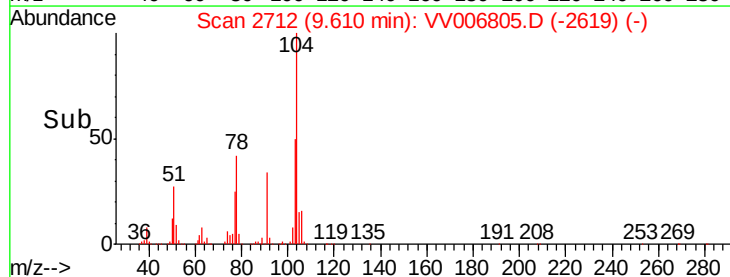
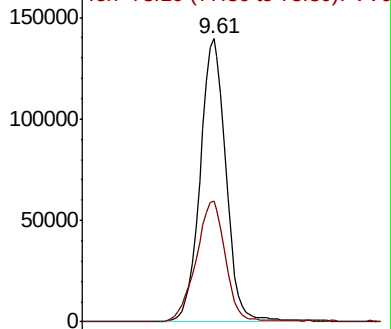
104 100

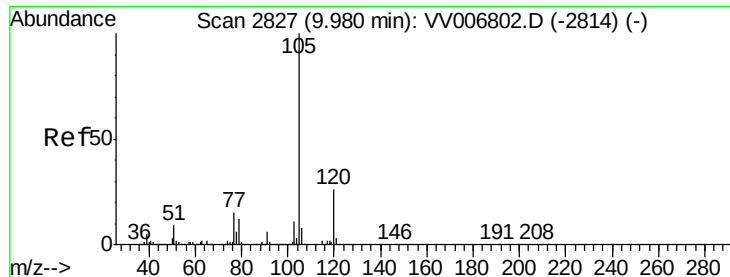
78 42.5 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.128 ug/L

RT: 9.98 min Scan# 2827

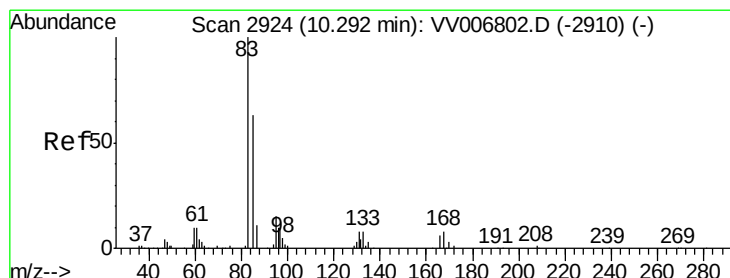
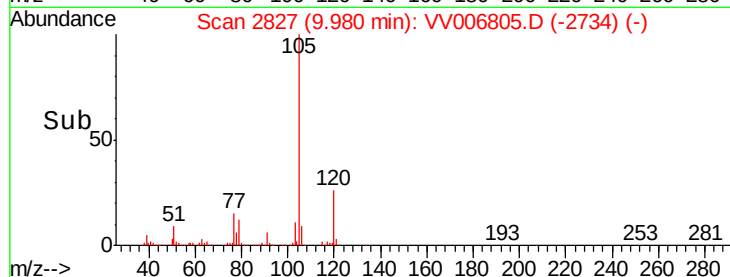
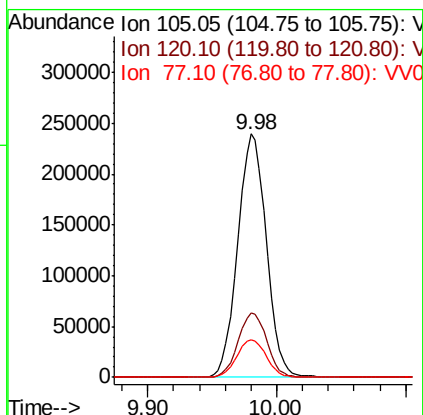
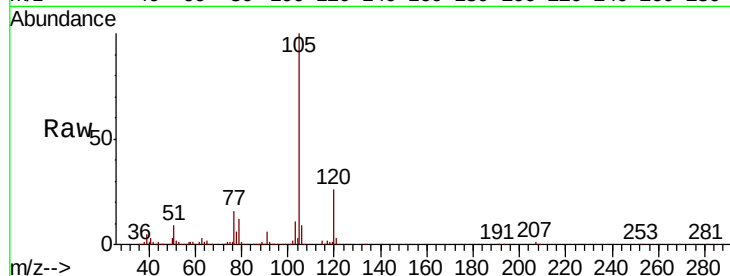
Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	105	Resp:	370020
Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.1	31.7
77	15.6	12.0	18.0



#58

1,1,2,2-Tetrachloroethane

Concen: 5.236 ug/L

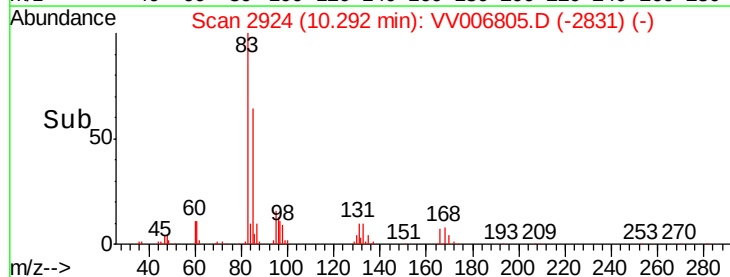
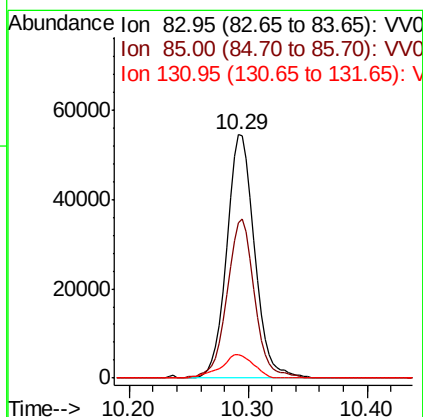
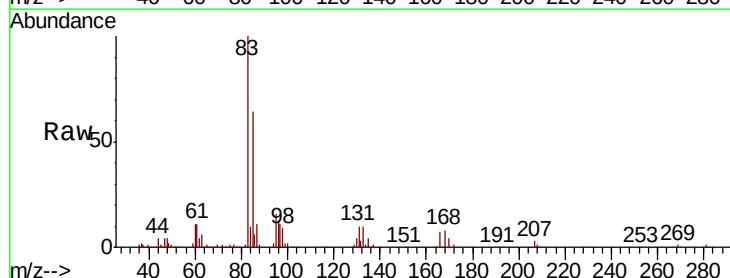
RT: 10.29 min Scan# 2924

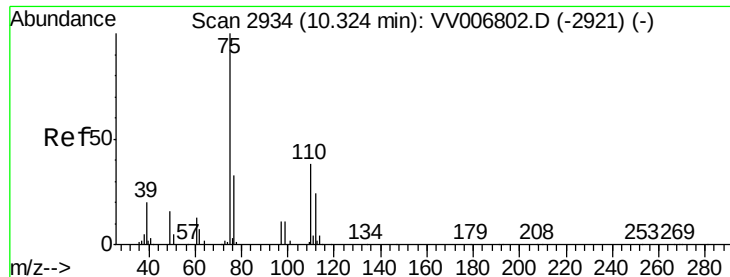
Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

Tgt Ion:	83	Resp:	88516
Ion	Ratio	Lower	Upper
83	100		
85	63.9	44.1	81.9
131	9.8	6.6	9.8





#59

1,2,3-Trichloropropane

Concen: 5.396 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

Instrument :

MSVOA_V

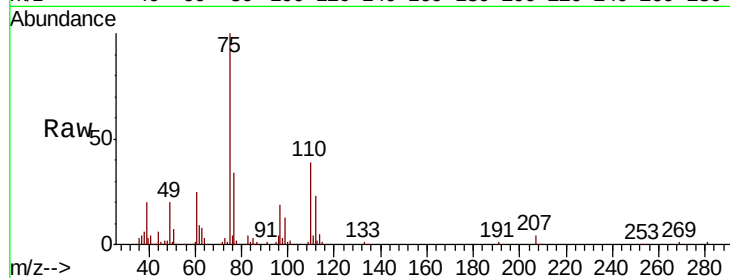
ClientSampleId :

Tot Ion: 75 Resp: 64109

Ion Ratio Lower Upper

75 100

77 34.1 26.8 40.2



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

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

10.33

40000

30000

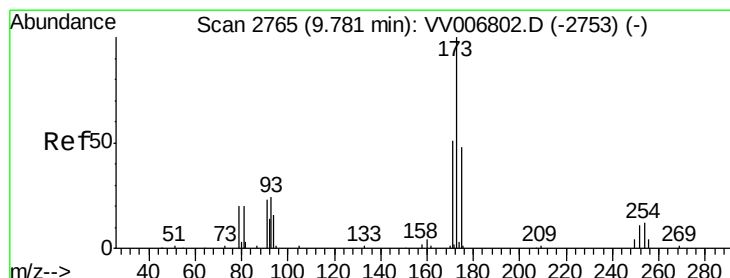
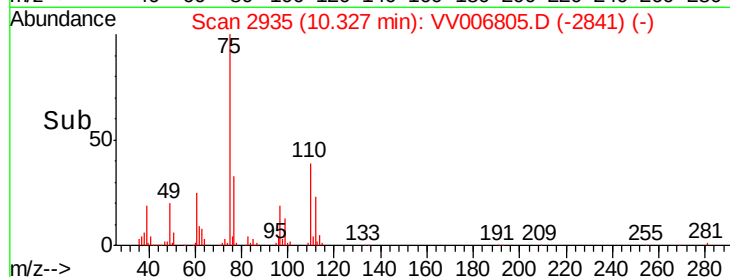
20000

10000

0

10.25 10.30 10.35 10.40

Time-->



#61

Bromoform

Concen: 5.376 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

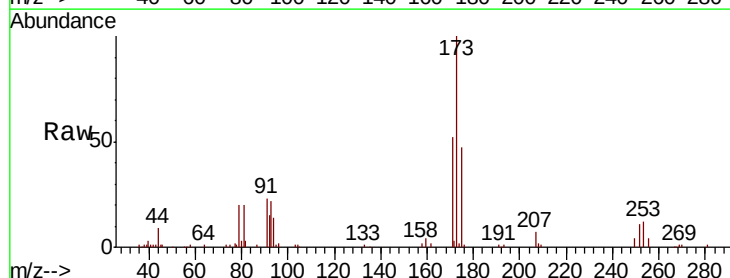
Tgt Ion: 173 Resp: 39433

Ion Ratio Lower Upper

173 100

175 48.5 39.3 58.9

254 12.1 9.7 14.5



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

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

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

9.78

30000

25000

20000

15000

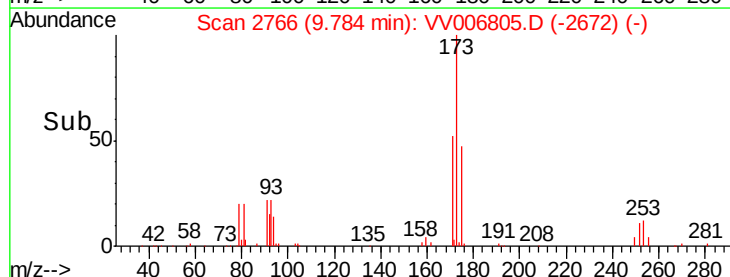
10000

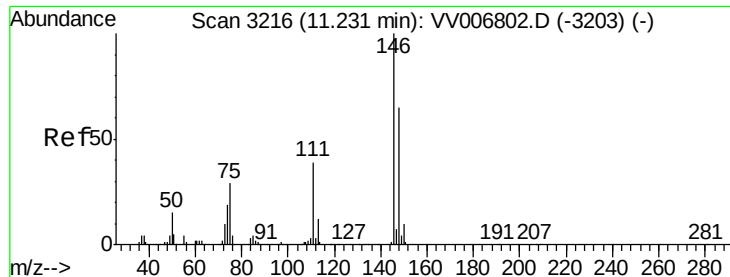
5000

0

9.70 9.75 9.80 9.85

Time-->

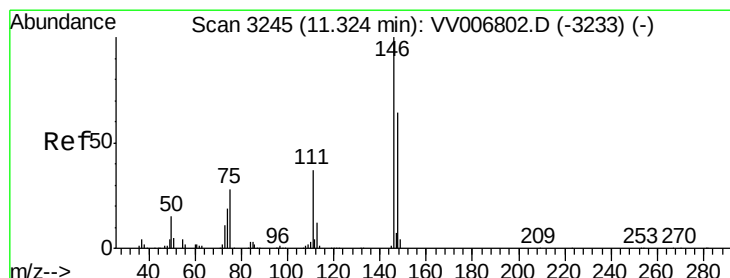
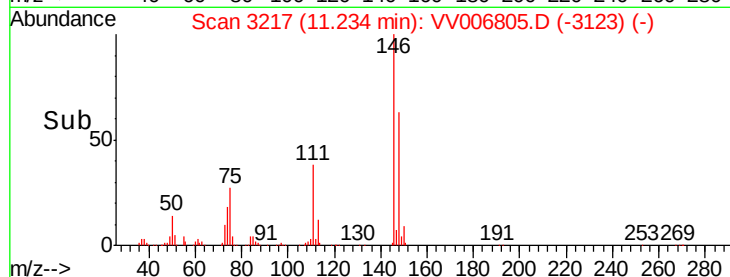
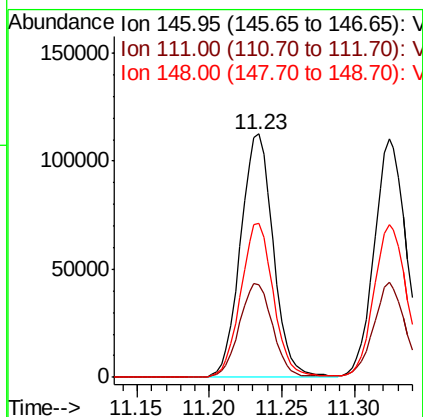
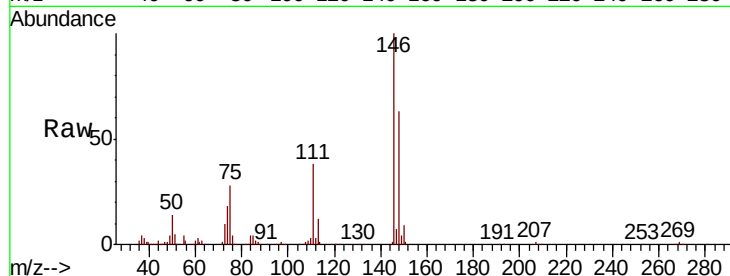




#62
 1,3-Dichlorobenzene
 Concen: 5.203 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

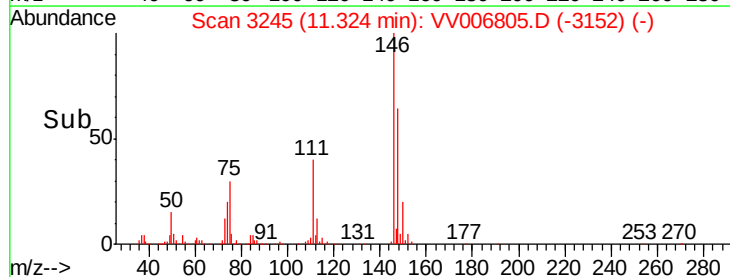
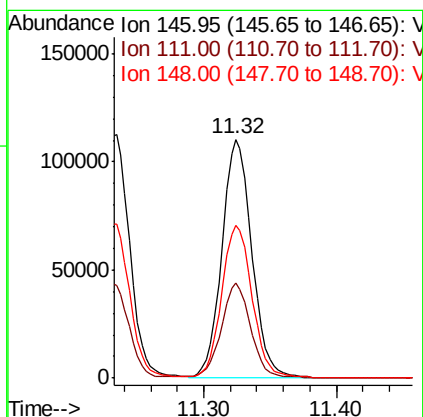
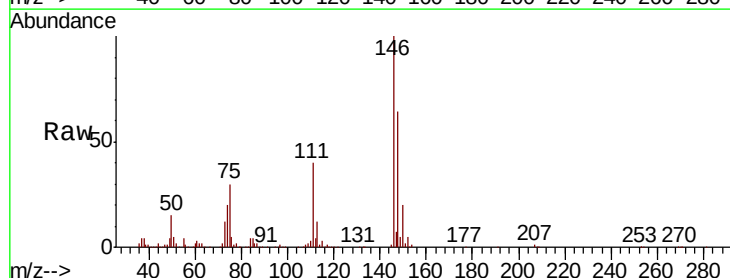
Instrument :
 MSVOA_V
 ClientSampleId :

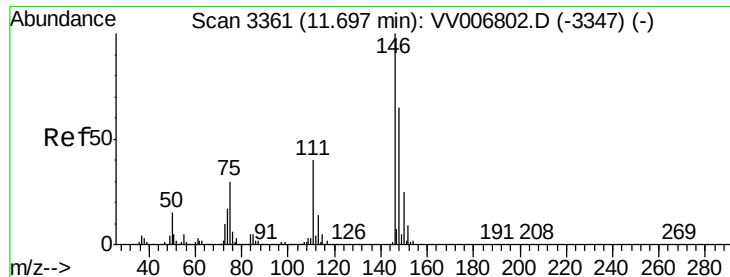
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	27.3	50.7
148	63.2	45.1	83.9



#63
 1,4-Dichlorobenzene
 Concen: 5.139 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	26.2	48.8
148	63.7	44.9	83.3

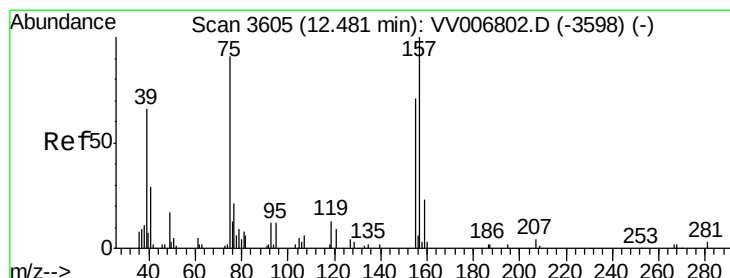
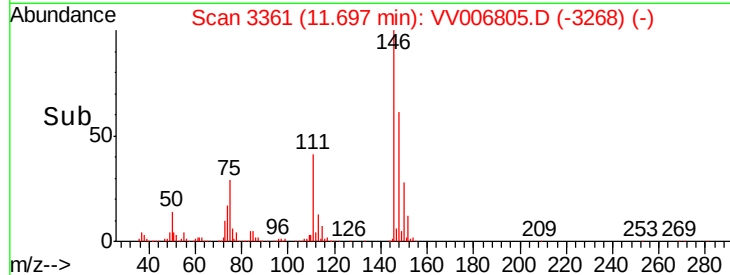
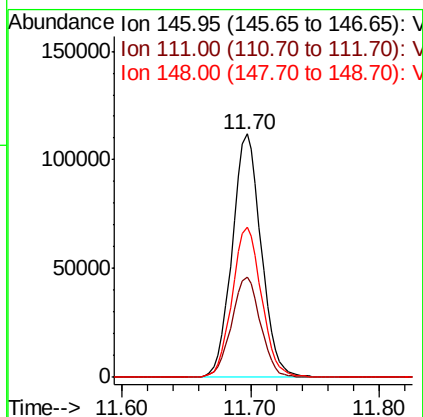
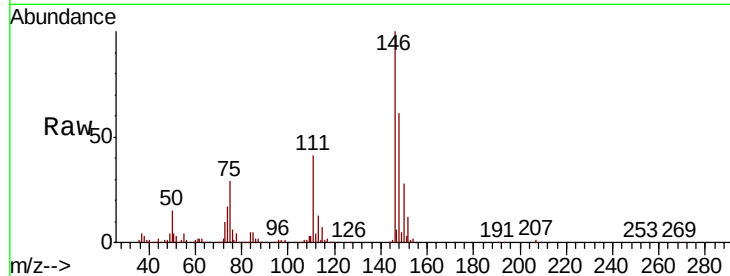




#65
 1,2-Dichlorobenzene
 Concen: 5.226 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

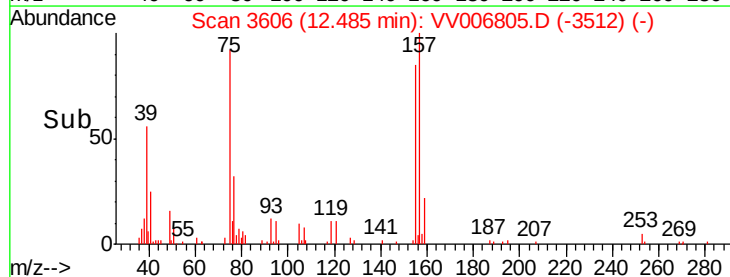
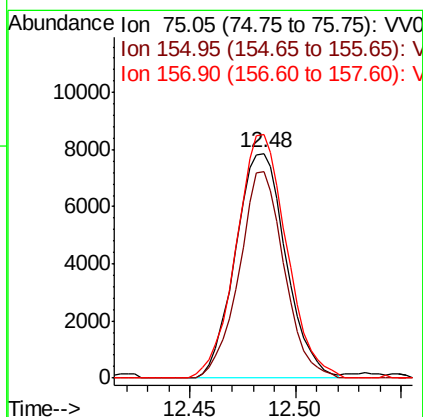
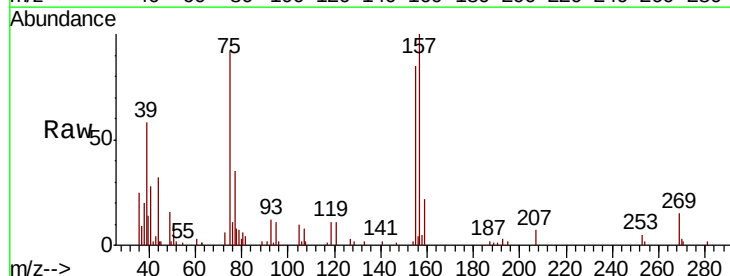
Instrument :
 MSVOA_V
 ClientSampled :

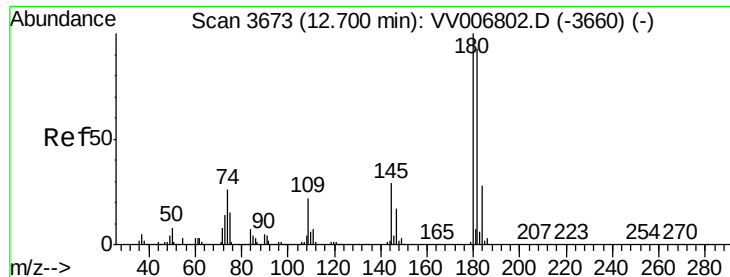
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	31.8	47.6
148	61.5	52.3	78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.630 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	61.8	92.8
157	108.4	86.6	129.8

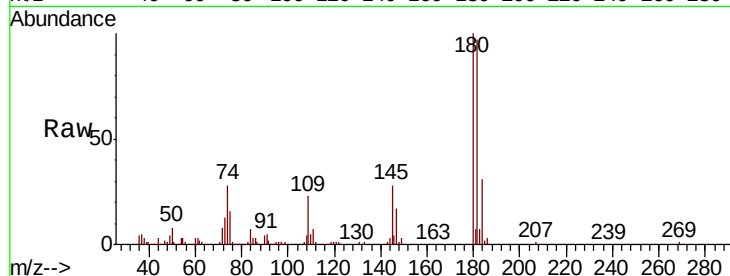




#67
 1,3,5-Trichlorobenzene
 Concen: 5.109 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	133812
Ion Ratio	Lower	Upper
180	100	
182	96.0	74.6 112.0
184	29.9	22.7 34.1
145	28.5	22.9 34.3



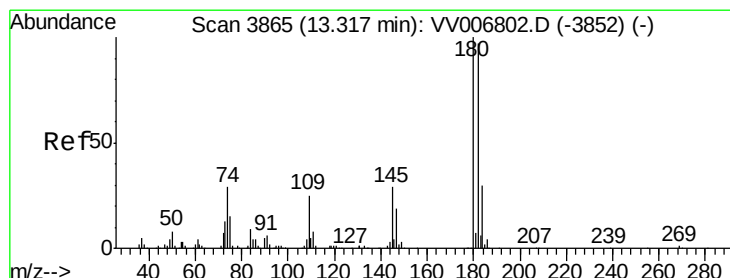
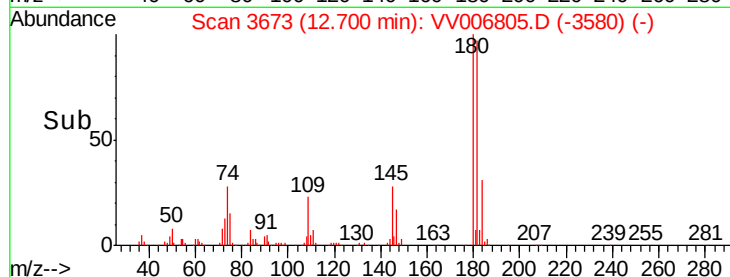
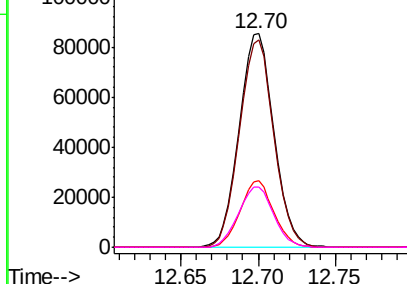
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

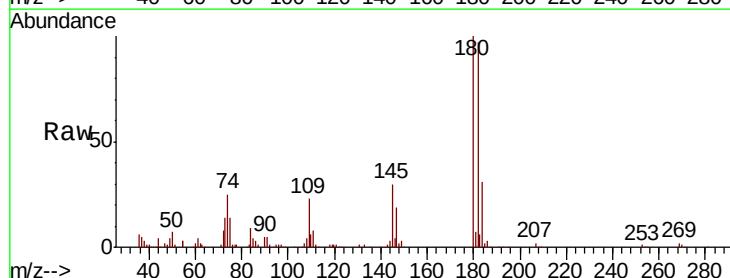
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.451 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006805.D
 Acq: 02 Aug 2018 13:23

Tgt Ion:180	Resp:	110886
Ion Ratio	Lower	Upper
180	100	
182	95.2	77.0 115.6
145	28.9	23.4 35.2

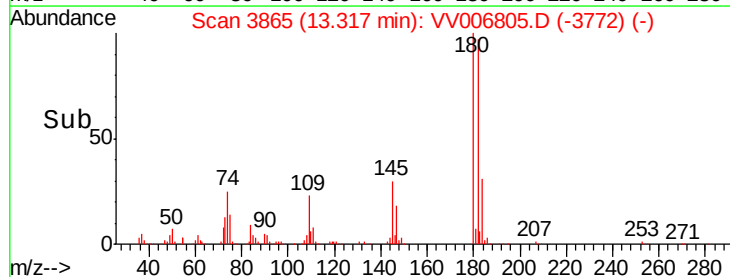
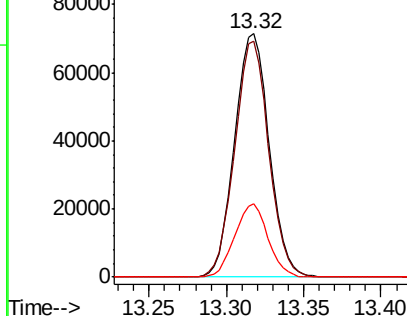


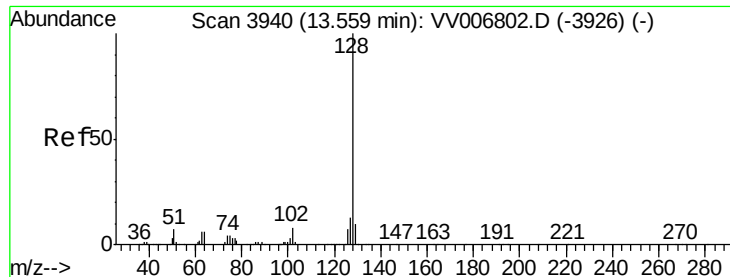
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.736 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

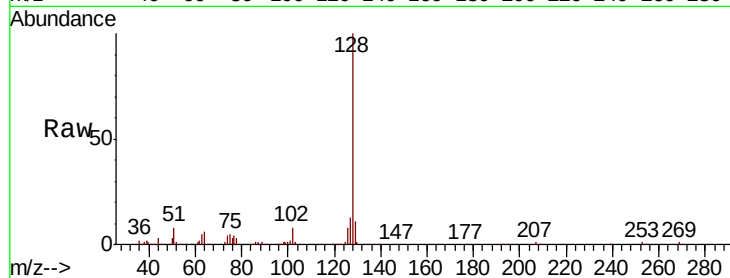
Tot Ion:128 Resp: 203390

Ion Ratio Lower Upper

128 100

129 11.2 8.2 12.4

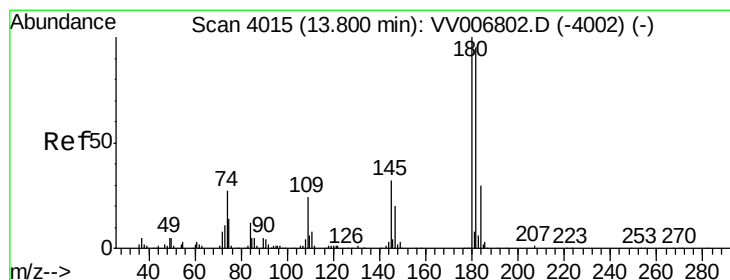
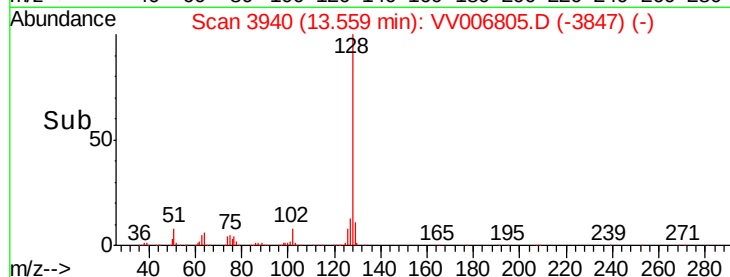
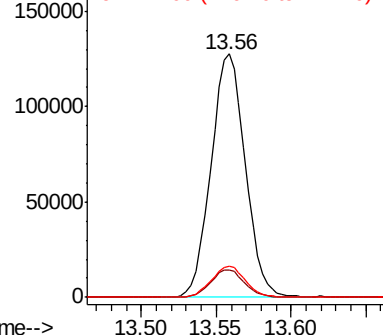
127 12.8 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.487 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006805.D

Acq: 02 Aug 2018 13:23

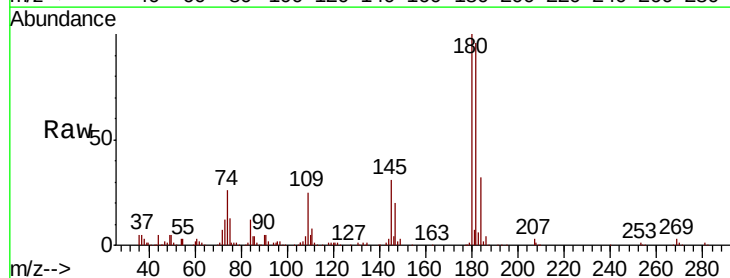
Tgt Ion:180 Resp: 107739

Ion Ratio Lower Upper

180 100

182 98.1 78.0 117.0

145 30.0 25.4 38.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

