

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092718\
 Data File : VR025877.D
 Acq On : 27 Sep 2018 15:59
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Sep 28 05:30:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 27 16:45:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	596578	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	501668	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	185170	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	221517	4.71	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	2.63	69	173671	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	3.64	63	493895	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	6.59	46	242498	46.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.48%
24) Chloroform-d	7.20	84	375731	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	7.90	65	158626	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	7.85	84	773579	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	8.90	67	209143	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	9.97	98	728206	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	10.23	79	47926	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	10.59	63	186357	47.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.70%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	79222	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	138206	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	186052	5.131	ug/L 89
3) Chloromethane	2.02	50	256979	4.984	ug/L 99
5) Vinyl chloride	2.17	62	251925	4.909	ug/L 99
6) Bromomethane	2.53	94	151729	4.735	ug/L 95
8) Chloroethane	2.67	64	148156	5.074	ug/L 97
9) Trichlorofluoromethane	2.93	101	112603	1.580	ug/L # 18
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	203737	4.677	ug/L 95
12) 1,1-Dichloroethene	3.66	96	221925	4.928	ug/L 87
13) Acetone	3.70	43	204180	53.713	ug/L 96
14) Carbon disulfide	3.96	76	467461	4.288	ug/L 98
15) Methyl Acetate	4.19	43	46801	4.440	ug/L 99
16) Methylene chloride	4.40	84	190185	4.593	ug/L 94
17) Methyl tert-butyl Ether	4.89	73	256602	5.145	ug/L 99
18) trans-1,2-Dichloroethene	4.88	96	191958	5.154	ug/L 91
19) 1,1-Dichloroethane	5.69	63	383105	5.195	ug/L 99
21) 2-Butanone	6.69	43	291679	55.786	ug/L 98
22) cis-1,2-Dichloroethene	6.67	96	195567	5.218	ug/L # 91

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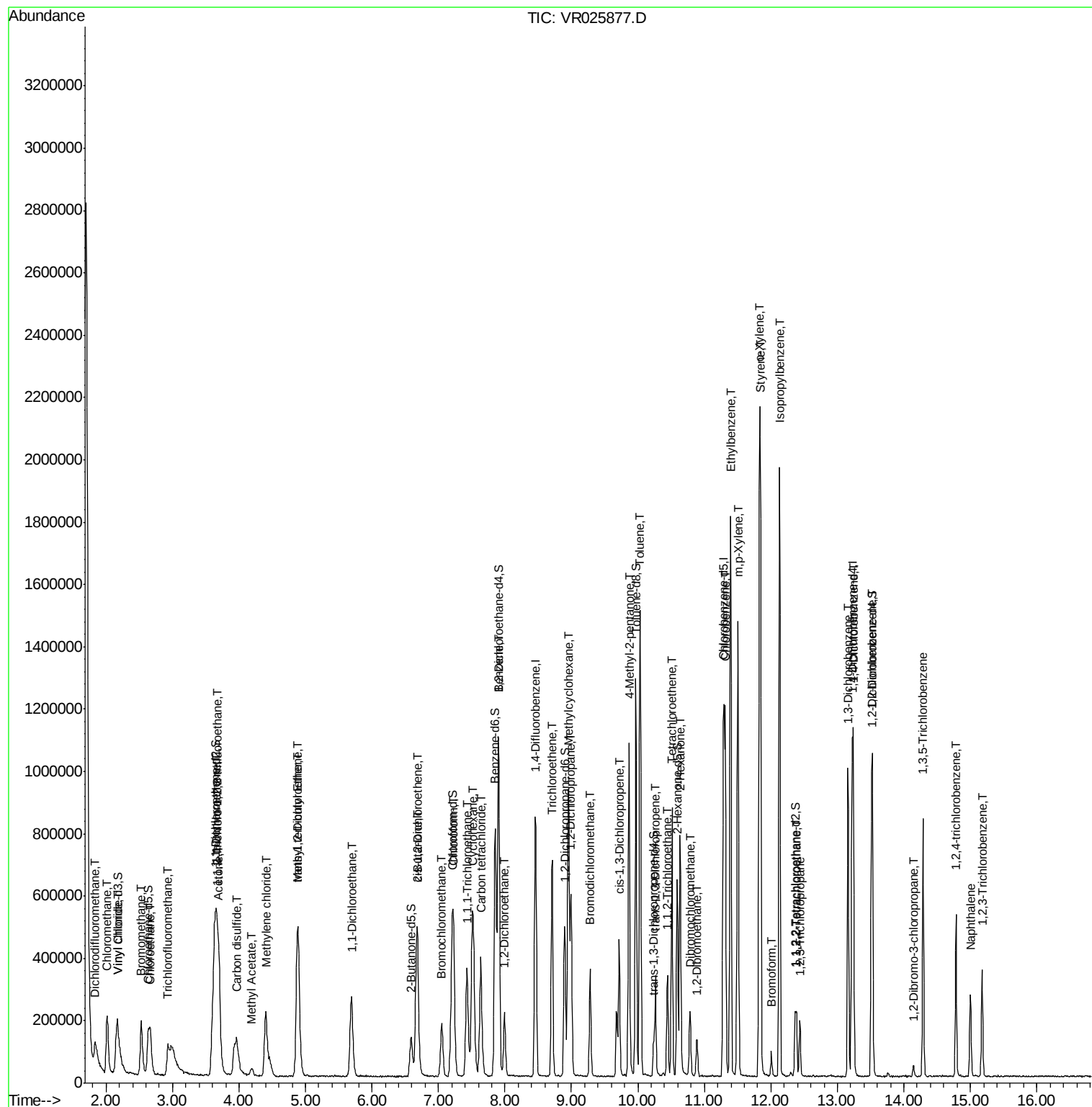
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	51969	5.112	ug/L	95
25) Chloroform	7.23	83	367524	5.118	ug/L	95
27) 1,2-Dichloroethane	7.99	62	180246	5.030	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	301771	5.349	ug/L	98
30) Cyclohexane	7.51	56	355121	5.038	ug/L	97
31) Carbon tetrachloride	7.63	117	264810	5.420	ug/L	100
33) Benzene	7.90	78	864680	5.139	ug/L	100
34) Trichloroethene	8.71	95	226113	5.100	ug/L	95
35) Methylcyclohexane	8.95	83	343564	5.154	ug/L	99
37) 1,2-Dichloropropane	9.00	63	184742	5.118	ug/L	98
38) Bromodichloromethane	9.28	83	206132	5.293	ug/L	93
39) cis-1,3-Dichloropropene	9.72	75	220910	5.458	ug/L	97
40) 4-Methyl-2-pentanone	9.87	43	687976	54.201	ug/L	98
42) Toluene	10.03	91	924641	5.288	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	145191	5.494	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	81403	4.986	ug/L	95
47) Tetrachloroethene	10.51	164	142279	5.208	ug/L	90
48) 2-Hexanone	10.63	43	466494	56.134	ug/L	99
49) Dibromochloromethane	10.79	129	88779	5.358	ug/L	95
50) 1,2-Dibromoethane	10.88	107	70308	5.457	ug/L	94
51) Chlorobenzene	11.32	112	491279	5.297	ug/L	96
52) Ethylbenzene	11.39	91	1099464	5.509	ug/L	100
53) m,p-Xylene	11.50	106	391701	5.513	ug/L	97
54) o-Xylene	11.83	106	366021	5.535	ug/L	99
55) Styrene	11.84	104	576561	5.602	ug/L	92
56) Isopropylbenzene	12.13	105	1040796	5.706	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	81895	5.206	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	61345	5.239	ug/L	99
61) Bromoform	12.01	173	30150	5.386	ug/L #	97
62) 1,3-Dichlorobenzene	13.16	146	294698	5.445	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	283646	5.123	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	225082	5.176	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.14	75	8307	4.543	ug/L	94
67) 1,3,5-Trichlorobenzene	14.29	180	179904	5.581	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	110635	5.384	ug/L	99
69) Naphthalene	15.00	128	174575	6.656	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	80196	5.625	ug/L	97

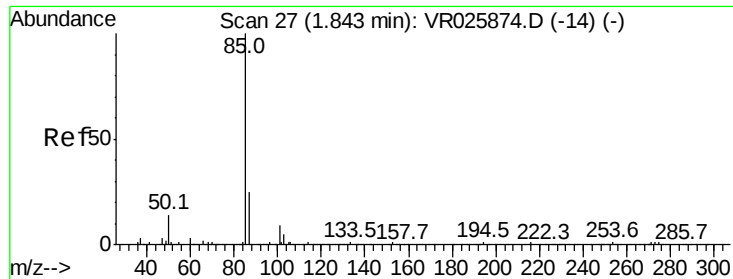
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.131 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

Instrument :

MSVOA_R

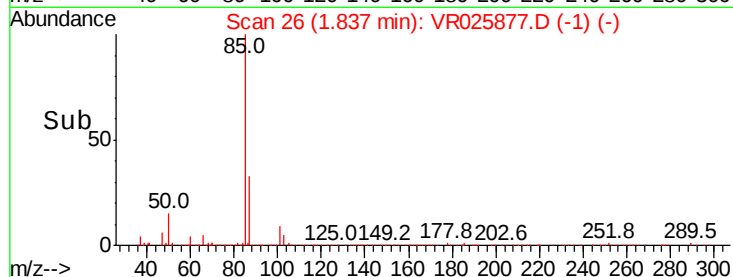
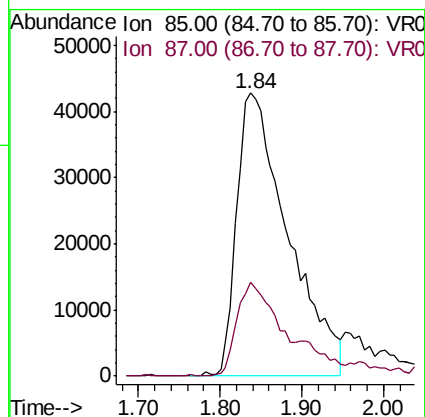
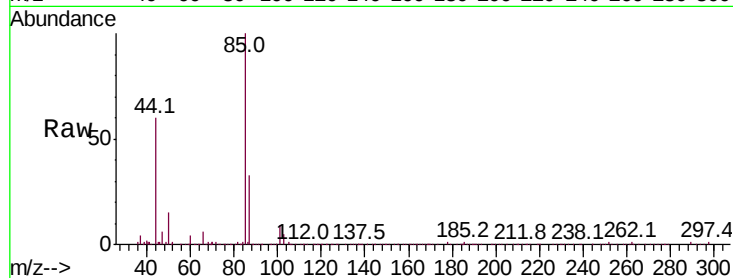
ClientSampleId :

Tot Ion: 85 Resp: 186052

Ion Ratio Lower Upper

85 100

87 25.6 25.1 37.7



#3

Chloromethane

Concen: 4.984 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR025877.D

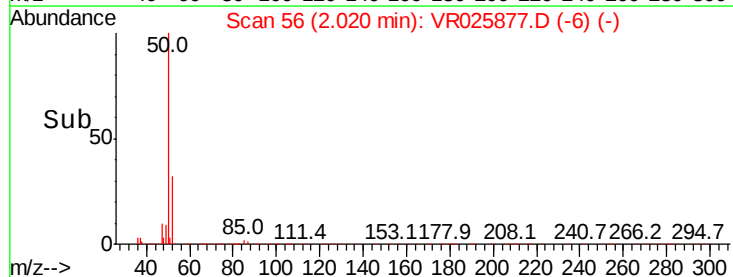
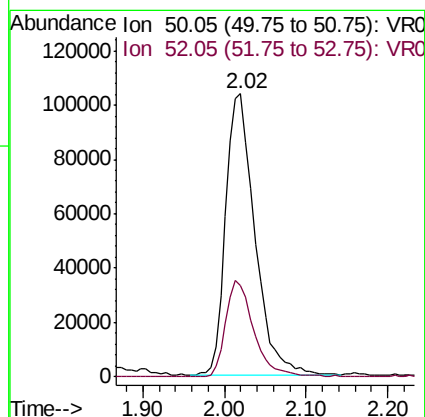
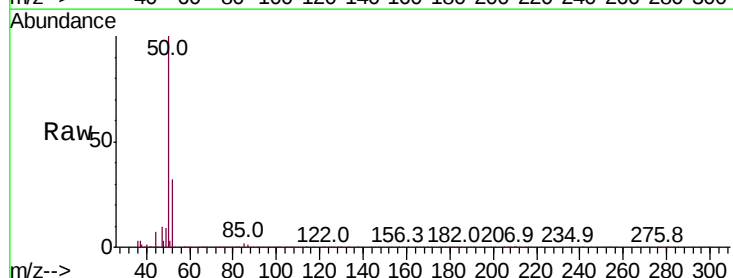
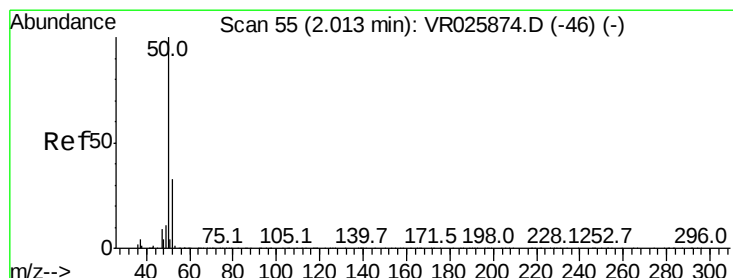
Acq: 27 Sep 2018 15:59

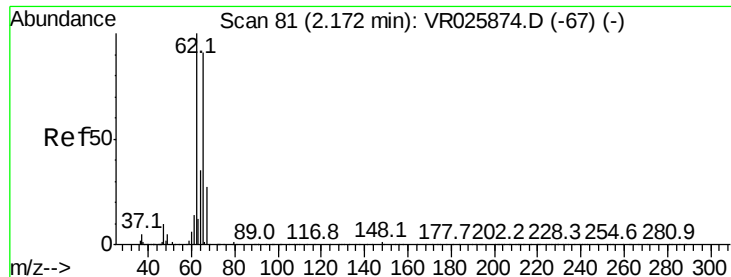
Tgt Ion: 50 Resp: 256979

Ion Ratio Lower Upper

50 100

52 32.1 22.1 41.1





#5

Vinyl chloride

Concen: 4.909 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

Instrument :

MSVOA_R

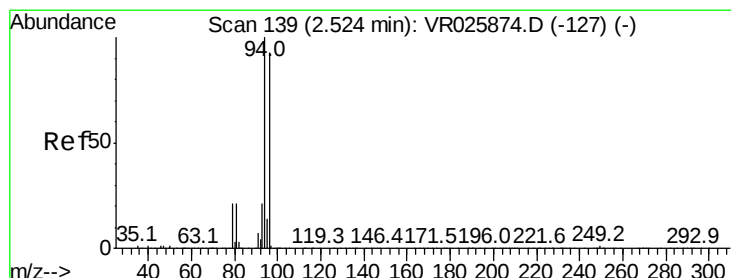
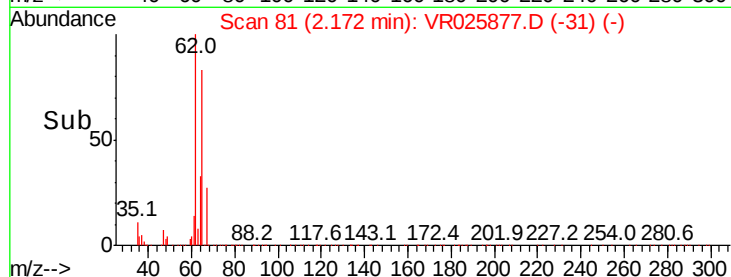
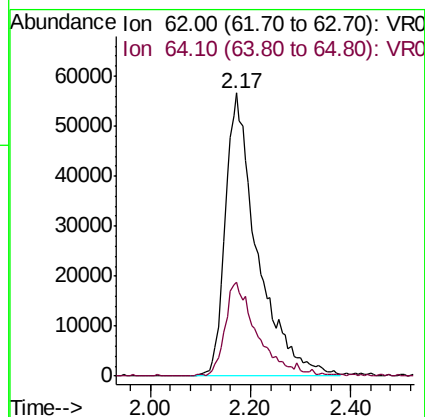
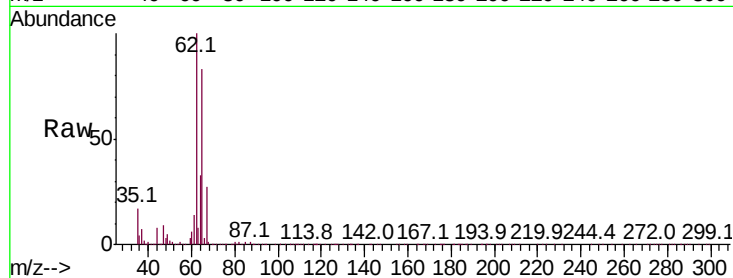
ClientSampleId :

Tot Ion: 62 Resp: 251925

Ion Ratio Lower Upper

62 100

64 33.3 23.5 43.7



#6

Bromomethane

Concen: 4.735 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.00 min

Lab File: VR025877.D

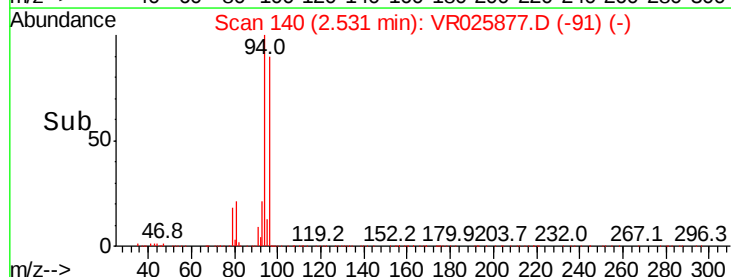
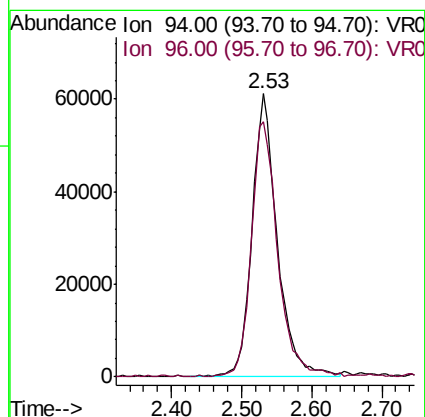
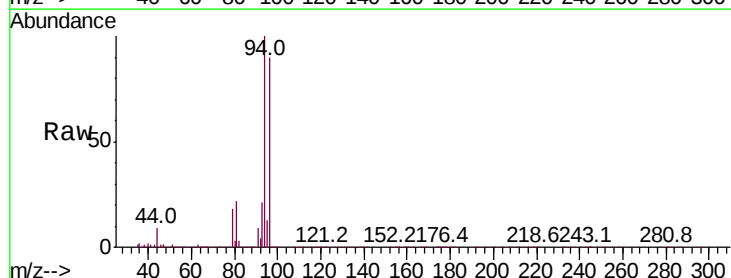
Acq: 27 Sep 2018 15:59

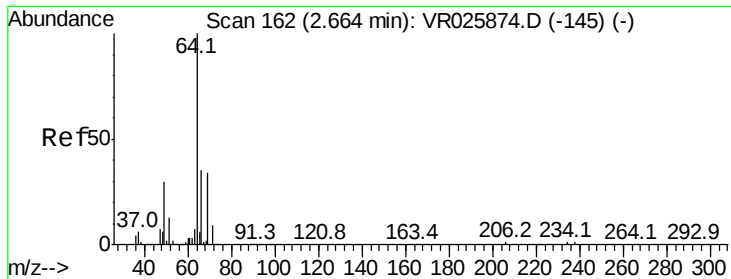
Tgt Ion: 94 Resp: 151729

Ion Ratio Lower Upper

94 100

96 90.0 66.1 122.8

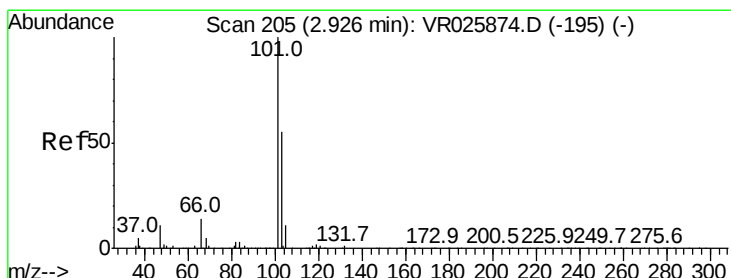
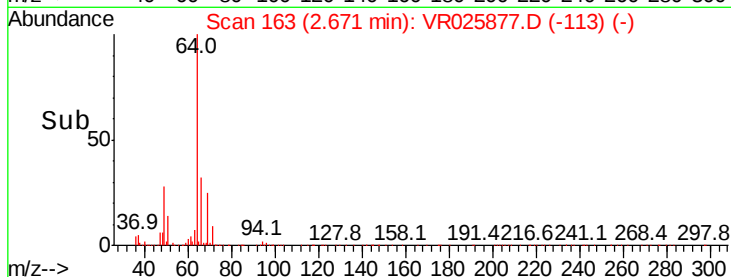
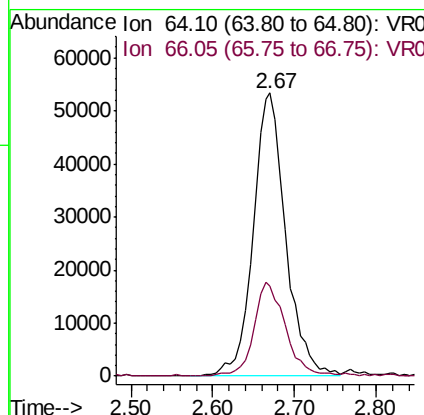
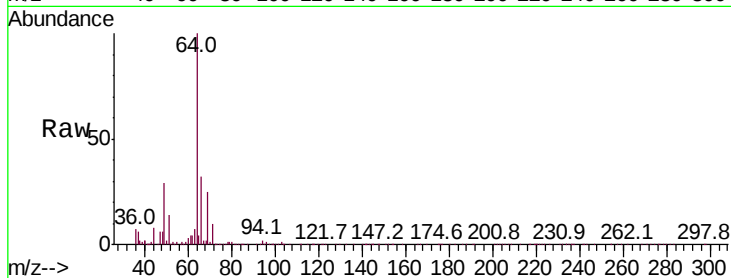




#8
Chloroethane
Concen: 5.074 ug/L
RT: 2.67 min Scan# 163
Delta R.T. 0.01 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

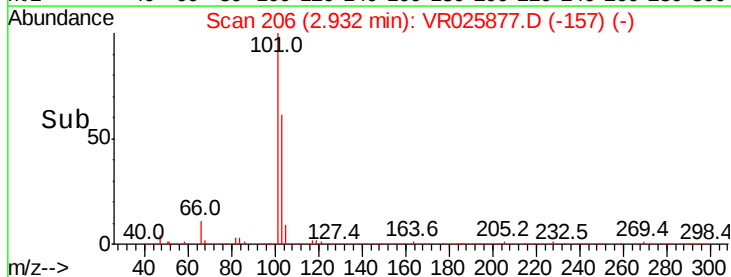
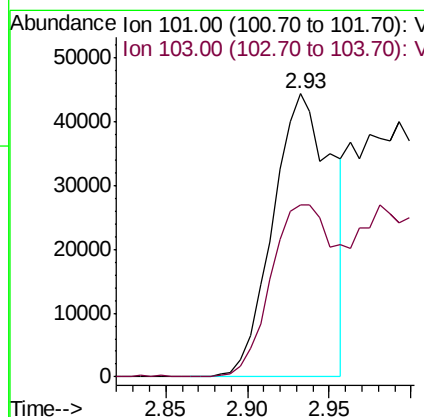
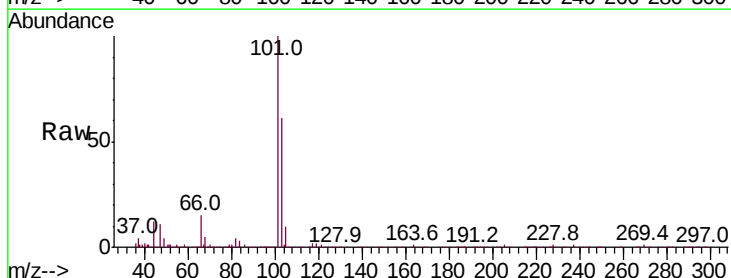
Instrument :
MSVOA_R
ClientSampleId :

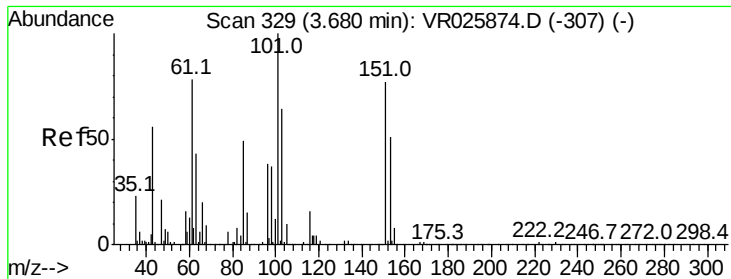
Tot Ion: 64 Resp: 148156
Ion Ratio Lower Upper
64 100
66 31.9 21.3 39.5



#9
Trichlorofluoromethane
Concen: 1.580 ug/L
RT: 2.93 min Scan# 206
Delta R.T. 0.00 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

Tgt Ion: 101 Resp: 112603
Ion Ratio Lower Upper
101 100
103 70.4 22.1 33.1#





#10

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

Concen: 4.677 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.00 min

Lab File: VR025877.D

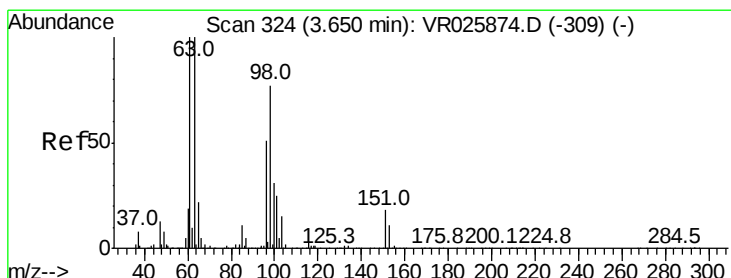
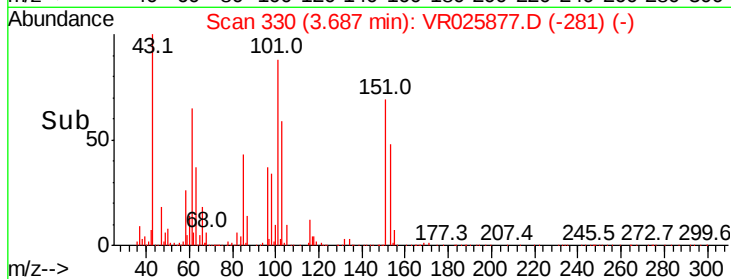
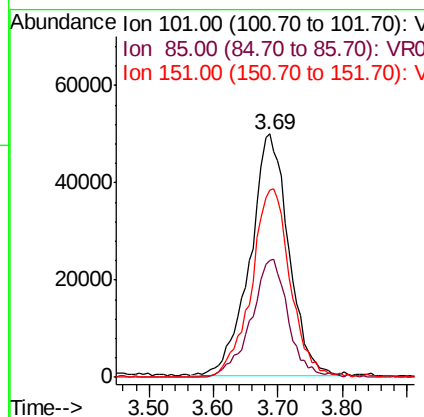
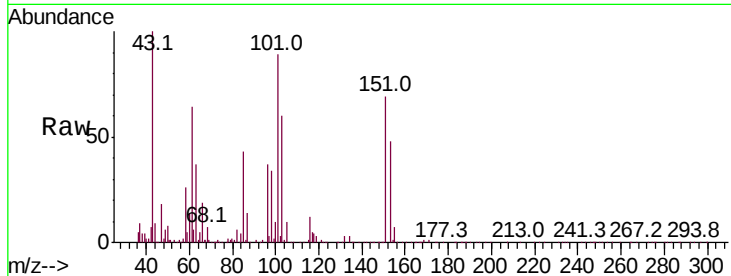
Acq: 27 Sep 2018 15:59

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:	101	Resp:	203737
Ion Ratio	Lower	Upper	
101	100		
85	46.8	38.2	57.4
151	79.3	58.4	87.6



#12

1,1-Dichloroethene

Concen: 4.928 ug/L

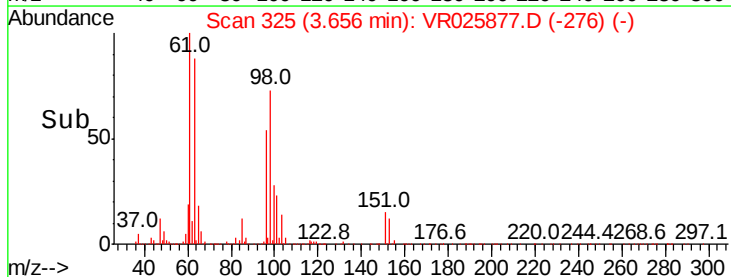
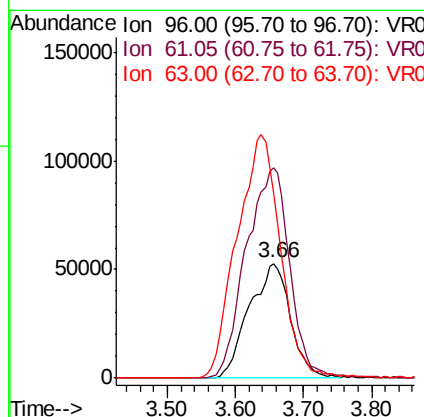
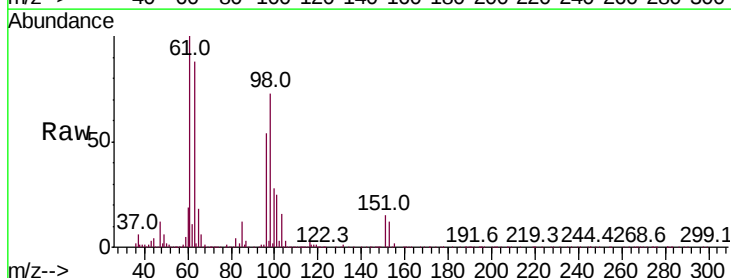
RT: 3.66 min Scan# 325

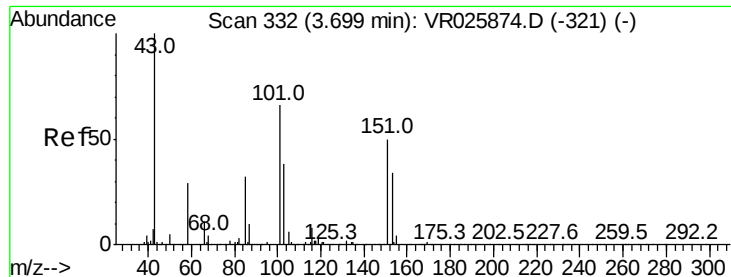
Delta R.T. 0.00 min

Lab File: VR025877.D

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Tgt Ion:	96	Resp:	221925
Ion Ratio	Lower	Upper	
96	100		
61	183.8	145.0	269.4
63	162.0	123.8	230.0





#13

Acetone

Concen: 53.713 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

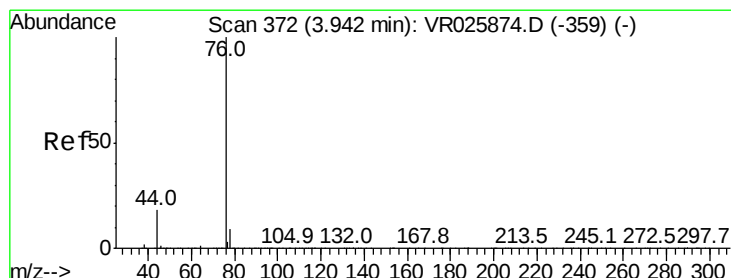
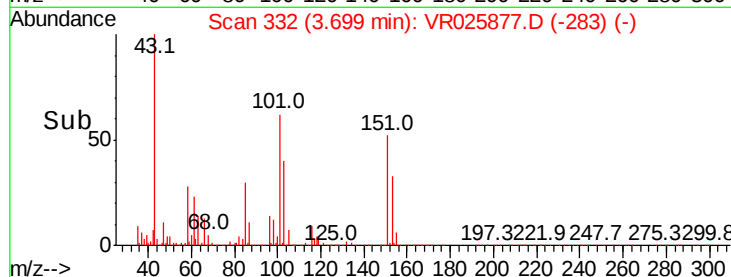
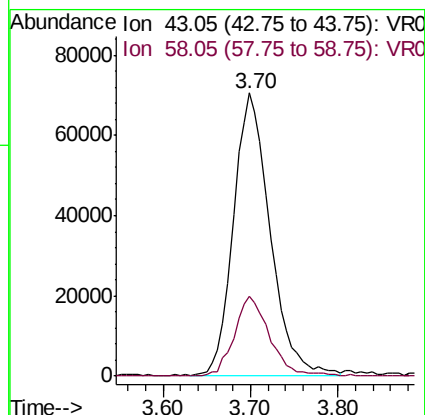
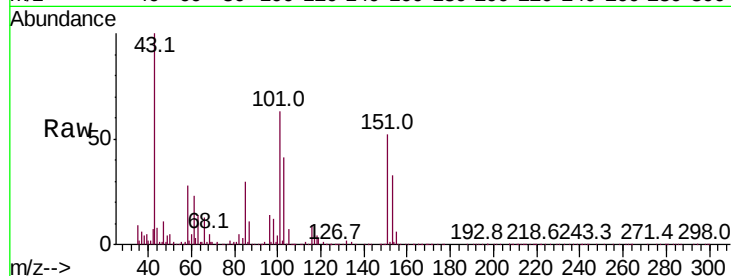
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 204180

Ion Ratio Lower Upper

43 100

58 27.6 0.0 51.4



#14

Carbon disulfide

Concen: 4.288 ug/L

RT: 3.96 min Scan# 375

Delta R.T. 0.00 min

Lab File: VR025877.D

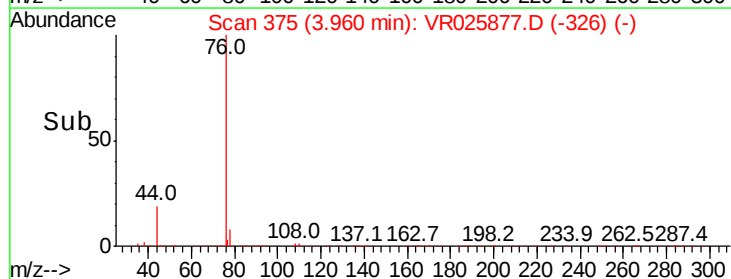
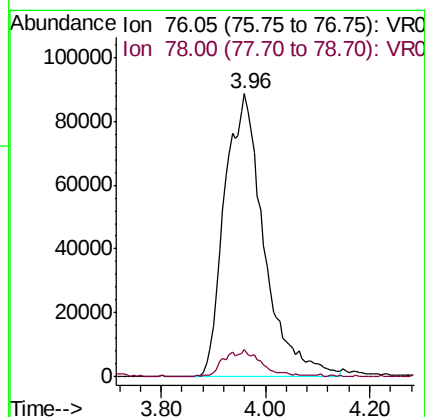
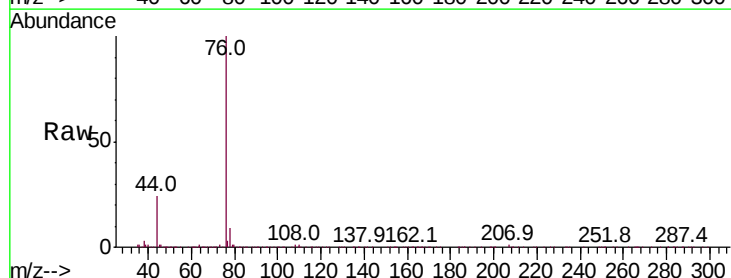
Acq: 27 Sep 2018 15:59

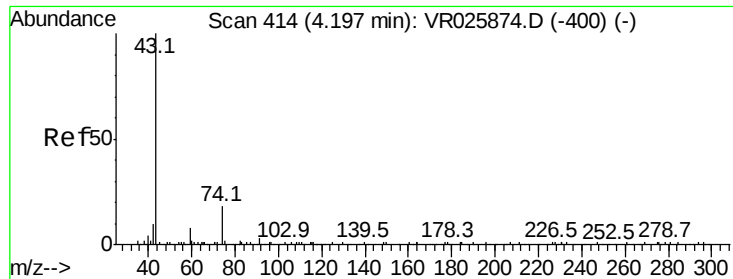
Tgt Ion: 76 Resp: 467461

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6

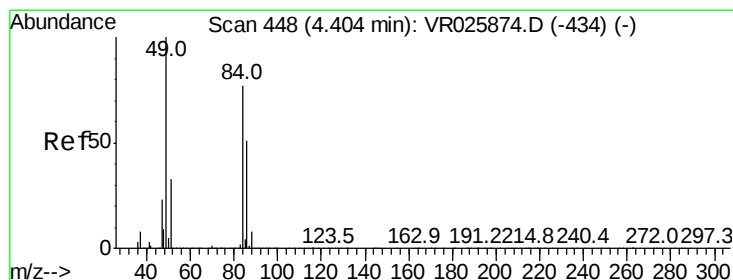
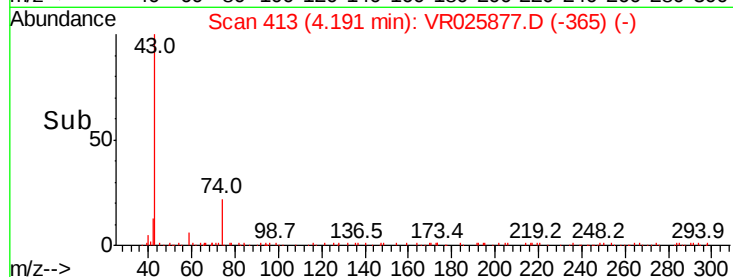
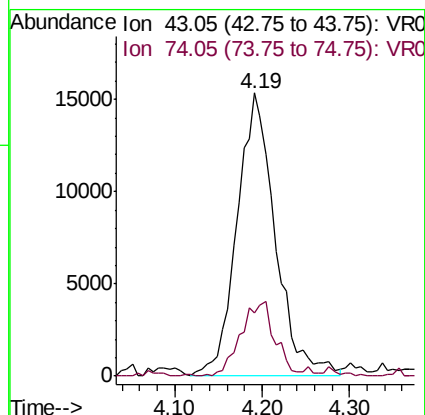
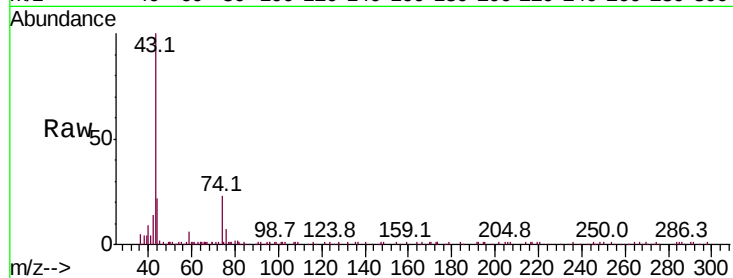




#15
Methvl Acetate
Concen: 4.440 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.01 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

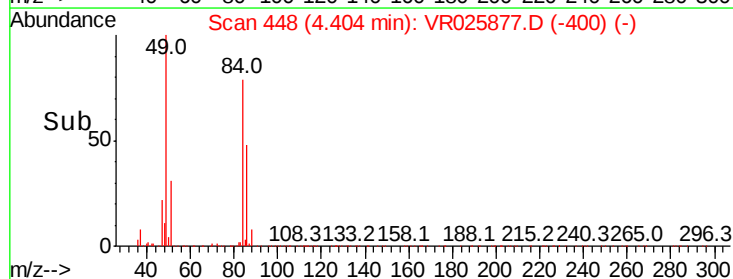
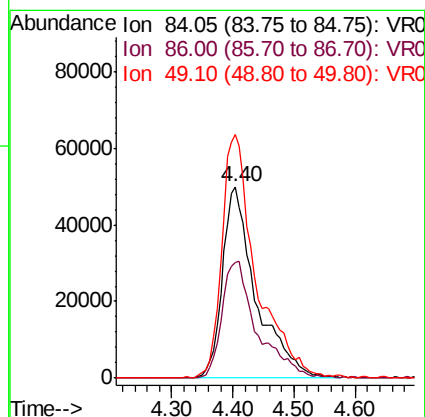
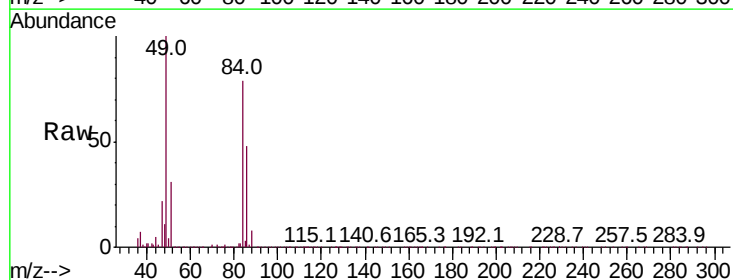
Instrument :
MSVOA_R
ClientSampleId :

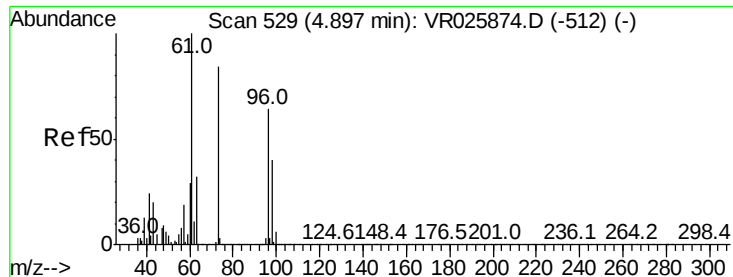
Tot Ion: 43 Resp: 46801
Ion Ratio Lower Upper
43 100
74 23.2 19.0 28.4



#16
Methylene chloride
Concen: 4.593 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.01 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

Tgt Ion: 84 Resp: 190185
Ion Ratio Lower Upper
84 100
86 60.4 43.1 80.1
49 127.1 95.5 177.3



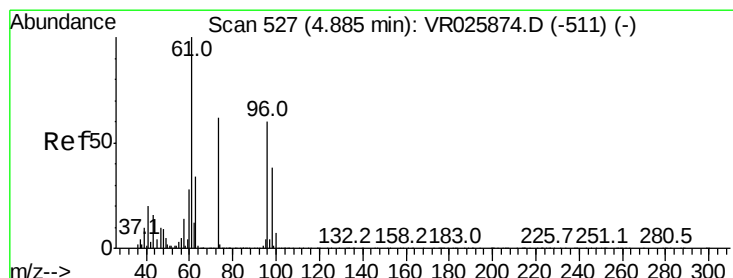
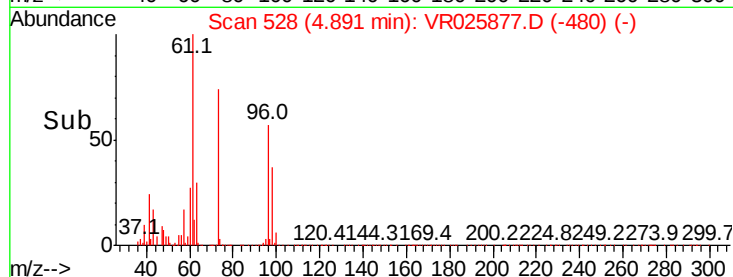
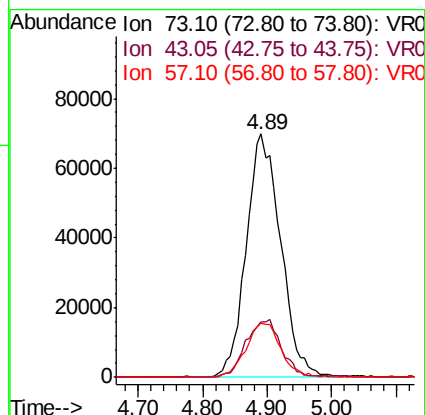
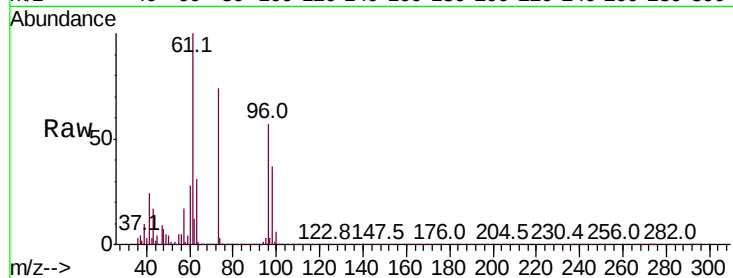


#17

Methvl tert-butvl Ether
 Concen: 5.145 ug/L
 RT: 4.89 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VR025877.D
 Acq: 27 Sep 2018 15:59

Instrument :
 MSVOA_R
 ClientSampled :

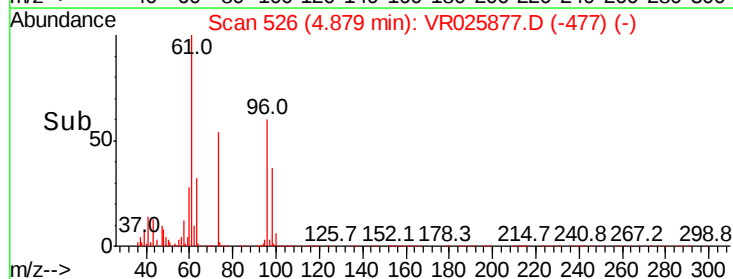
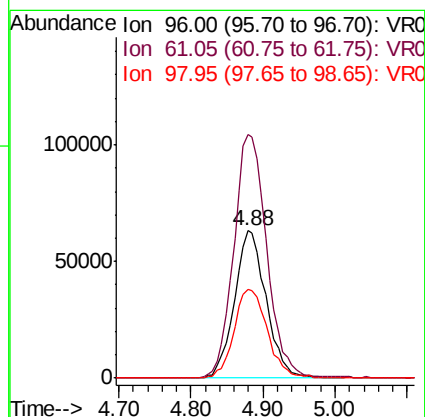
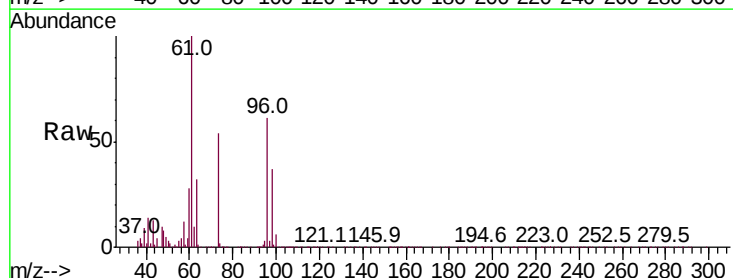
Tot Ion:	73	Resp:	256602
Ion	Ratio	Lower	Upper
73	100		
43	24.0	19.8	29.8
57	22.4	17.9	26.9

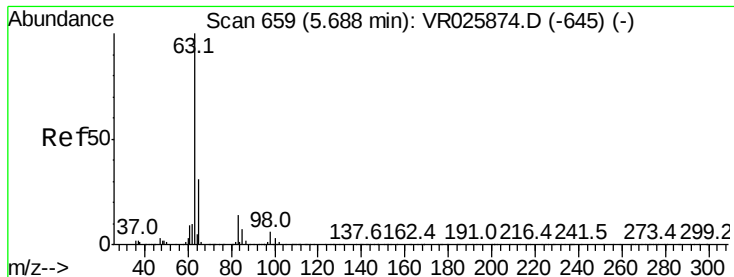


#18

trans-1,2-Dichloroethene
 Concen: 5.154 ug/L
 RT: 4.88 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VR025877.D
 Acq: 27 Sep 2018 15:59

Tgt Ion:	96	Resp:	191958
Ion	Ratio	Lower	Upper
96	100		
61	165.1	127.4	236.6
98	60.5	43.8	81.3





#19

1,1-Dichloroethane

Concen: 5.195 ug/L

RT: 5.69 min Scan# 660

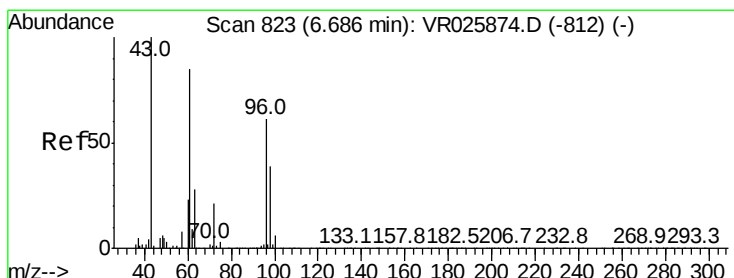
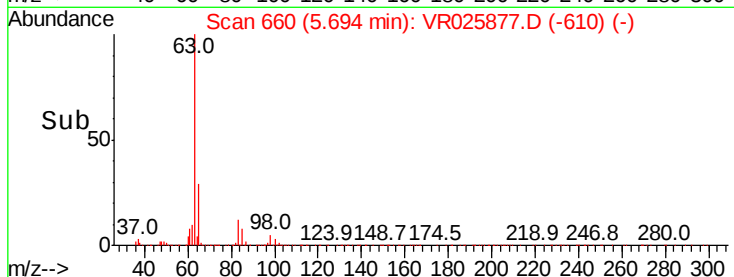
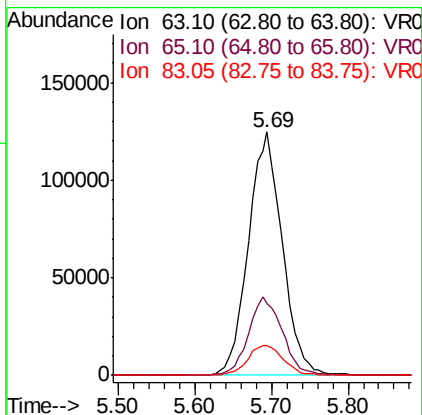
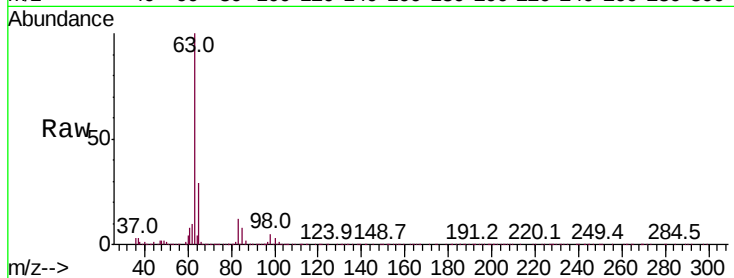
Delta R.T. 0.01 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:	63	Resp:	383105
Ion	Ratio	Lower	Upper
63	100		
65	29.4	21.1	39.1
83	12.2	8.9	16.5



#21

2-Butanone

Concen: 55.786 ug/L

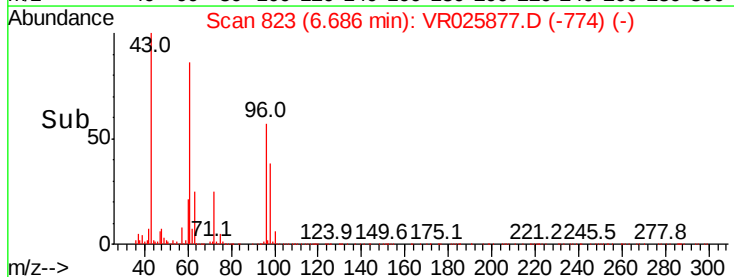
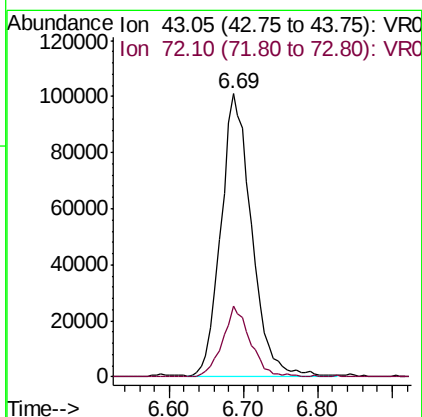
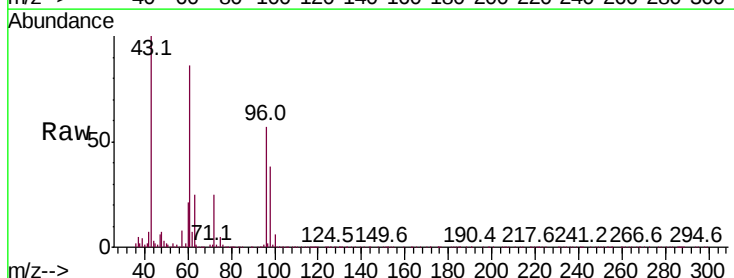
RT: 6.69 min Scan# 823

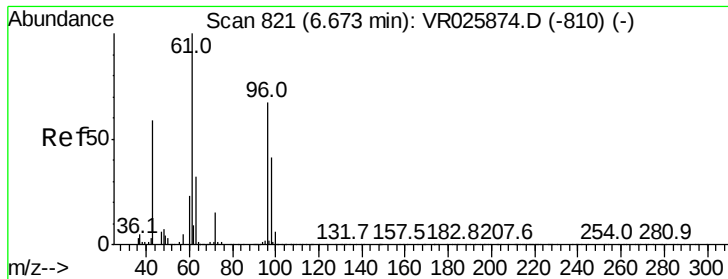
Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

Tgt Ion:	43	Resp:	291679
Ion	Ratio	Lower	Upper
43	100		
72	22.8	11.9	35.7



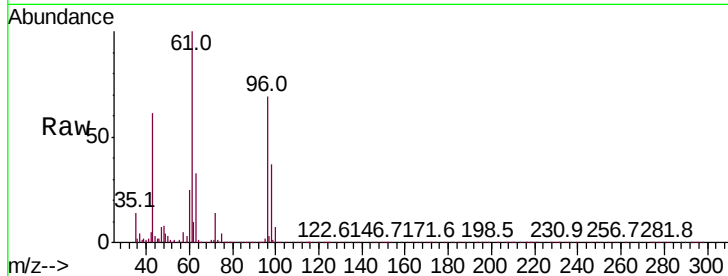


#22

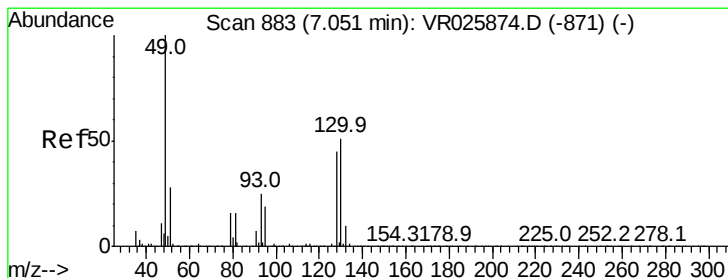
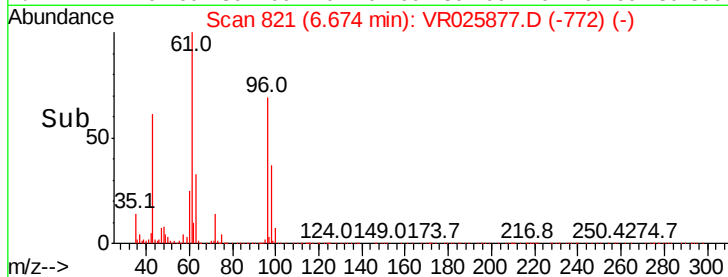
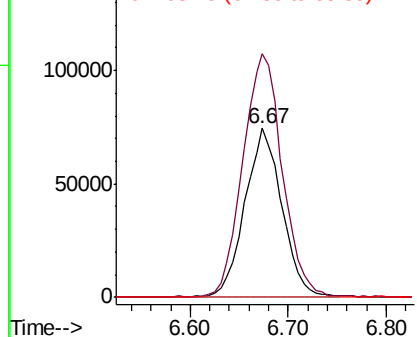
cis-1,2-Dichloroethene
Concen: 5.218 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.2	108.7	201.9
68	0.0	0.1	0.1#



Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0

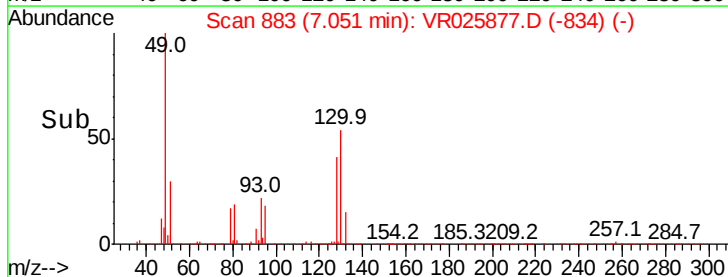
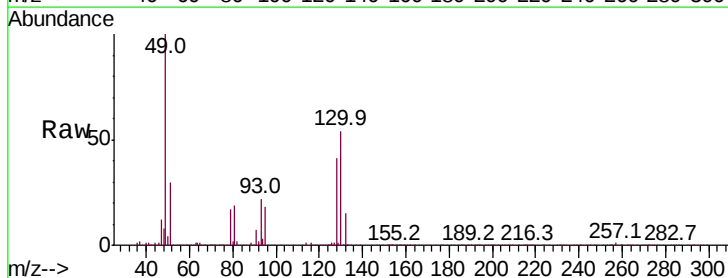
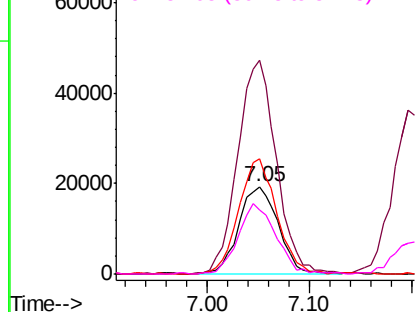


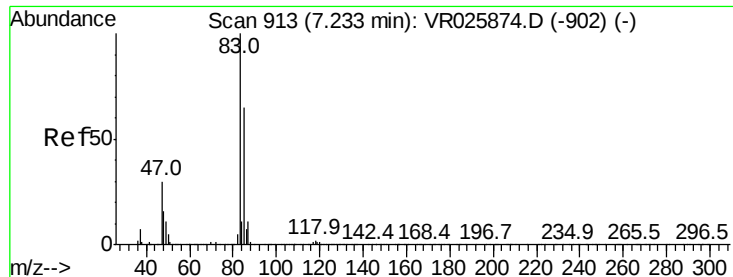
#23

Bromochloromethane
Concen: 5.112 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

Tgt Ion	Ratio	Lower	Upper
128	100		
49	243.8	175.0	325.0
130	131.0	85.6	159.0
51	72.6	62.2	93.2

Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VR0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VR0

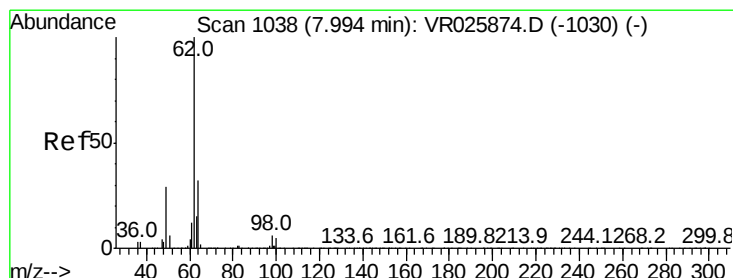
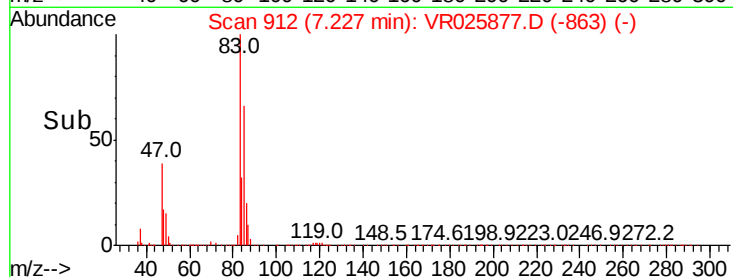
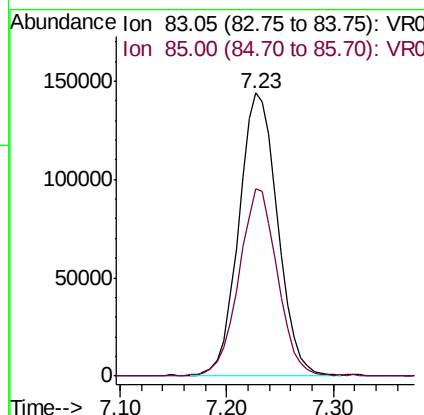
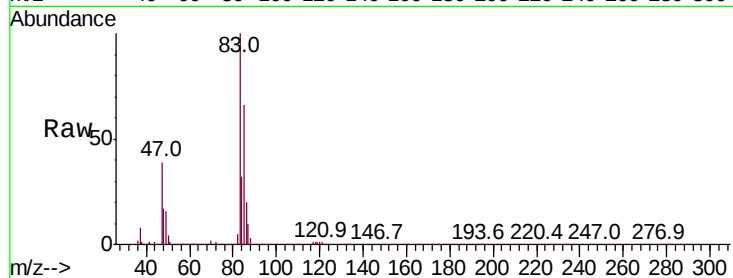




#25
Chloroform
Concen: 5.118 ug/L
RT: 7.23 min Scan# 912
Delta R.T. 0.00 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

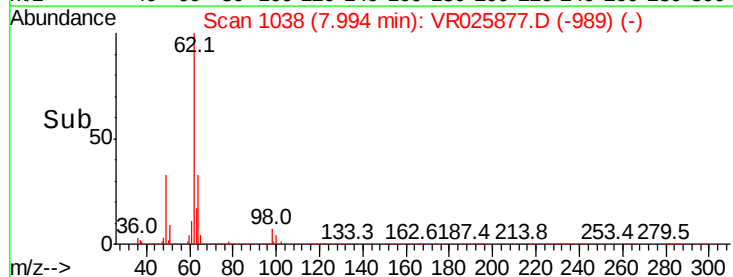
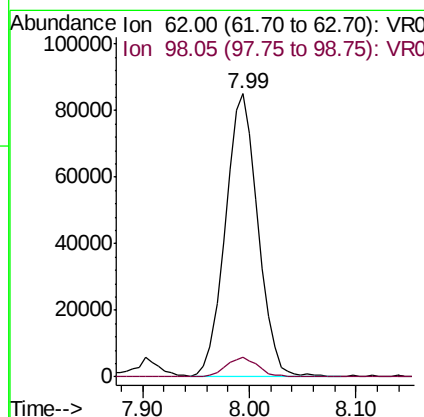
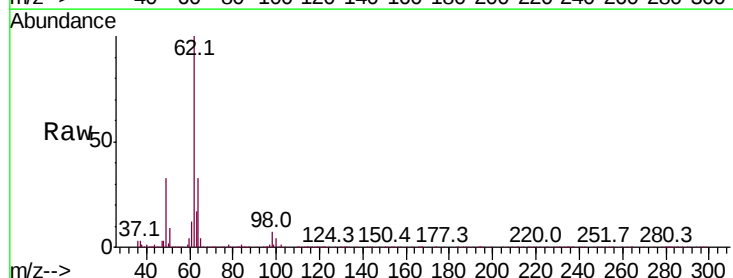
Instrument :
MSVOA_R
ClientSampleId :

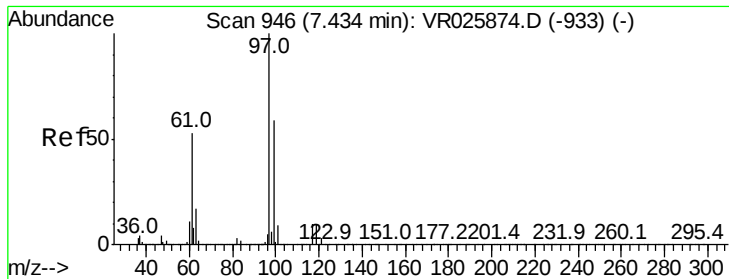
Tot Ion: 83 Resp: 367524
Ion Ratio Lower Upper
83 100
85 66.4 43.8 81.4



#27
1,2-Dichloroethane
Concen: 5.030 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

Tgt Ion: 62 Resp: 180246
Ion Ratio Lower Upper
62 100
98 7.2 5.2 7.8

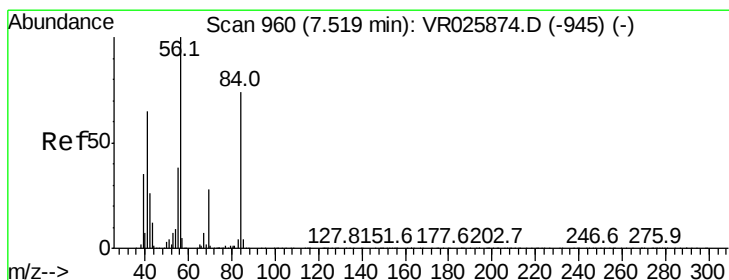
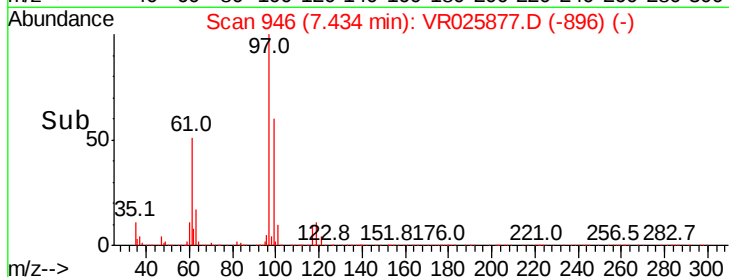
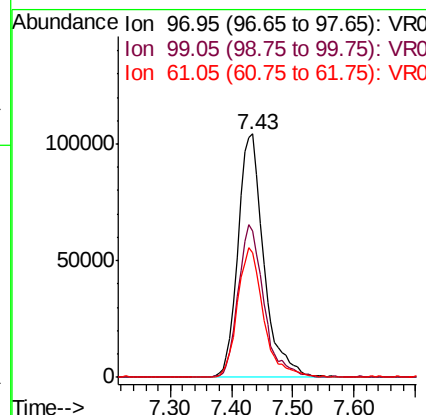
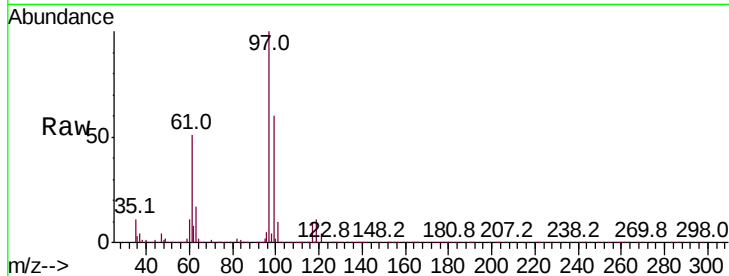




#29
1,1,1-Trichloroethane
Concen: 5.349 ug/L
RT: 7.43 min Scan# 946
Delta R.T. 0.01 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

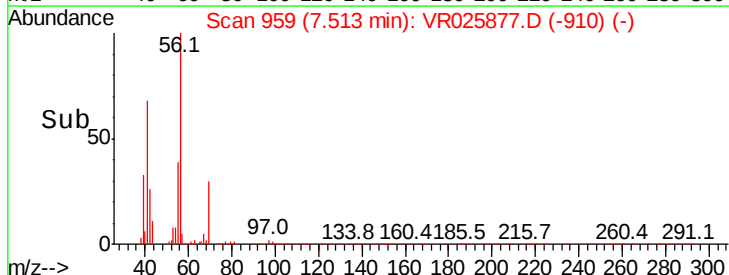
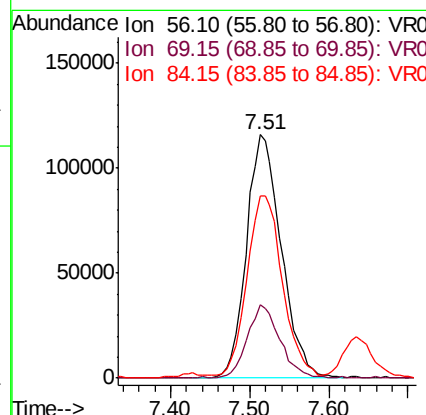
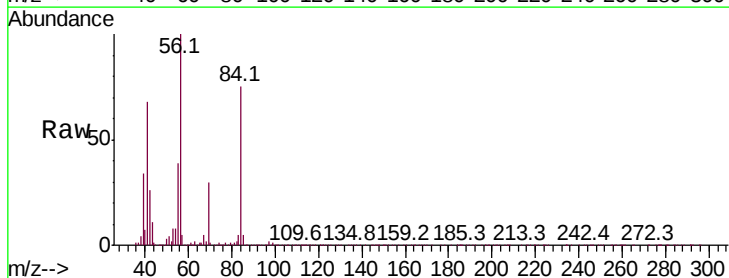
Instrument :
MSVOA_R
ClientSampled :

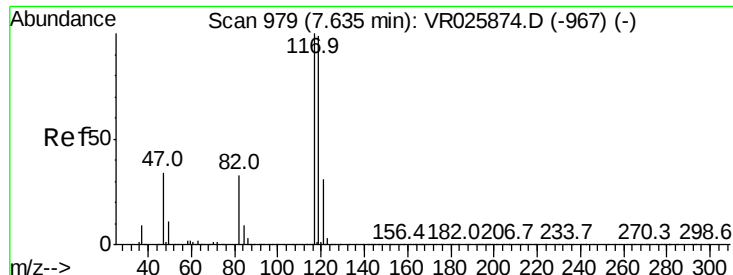
Tot Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.0	76.6
61	53.7	41.6	62.4



#30
Cyclohexane
Concen: 5.038 ug/L
RT: 7.51 min Scan# 959
Delta R.T. 0.00 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.3	24.8	37.2
84	76.7	59.8	89.8





#31

Carbon tetrachloride

Concen: 5.420 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

Instrument :

MSVOA_R

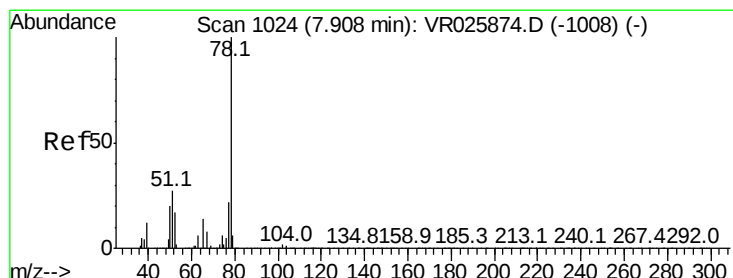
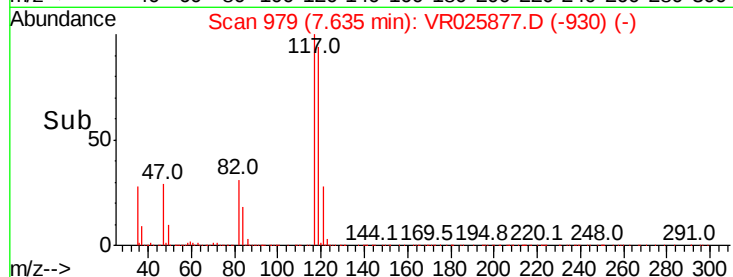
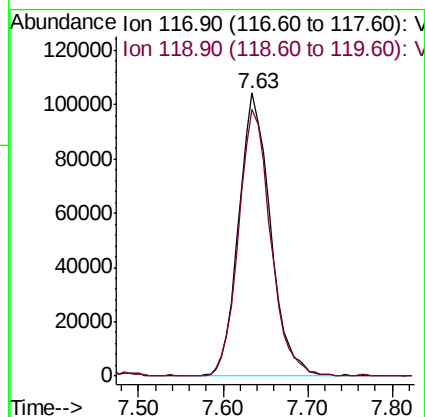
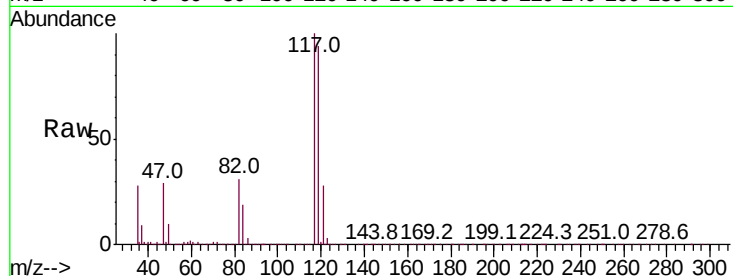
ClientSampleId :

Tot Ion:117 Resp: 264810

Ion Ratio Lower Upper

117 100

119 94.9 75.6 113.4



#33

Benzene

Concen: 5.139 ug/L

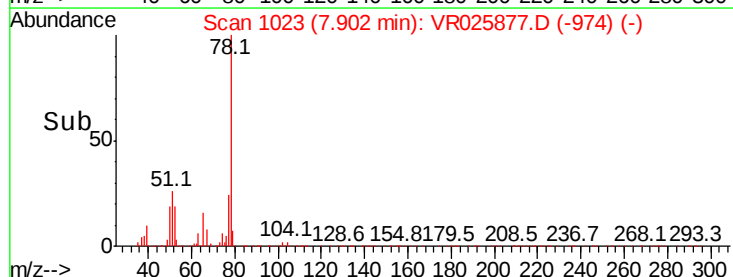
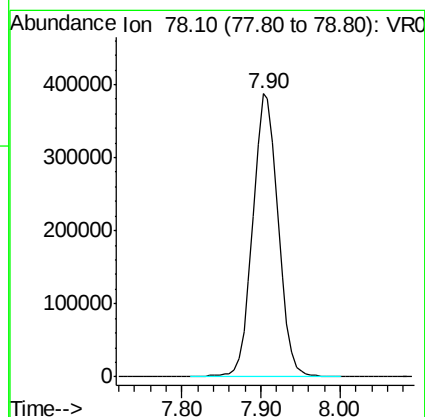
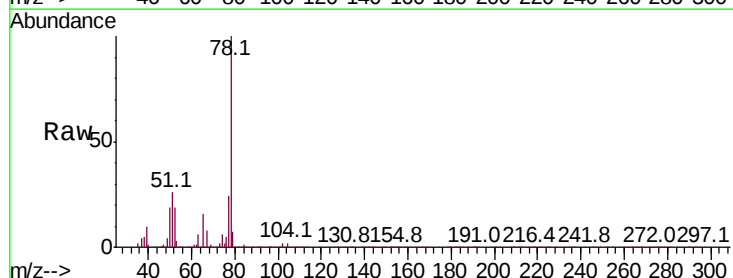
RT: 7.90 min Scan# 1023

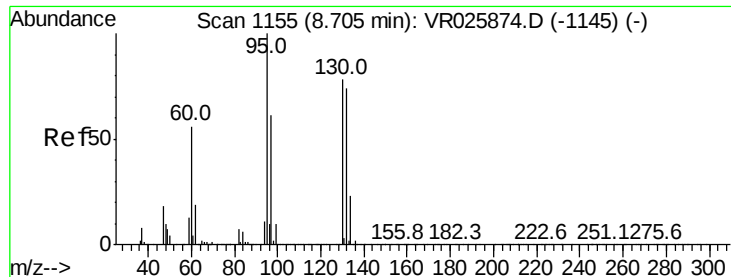
Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

Tgt Ion: 78 Resp: 864680

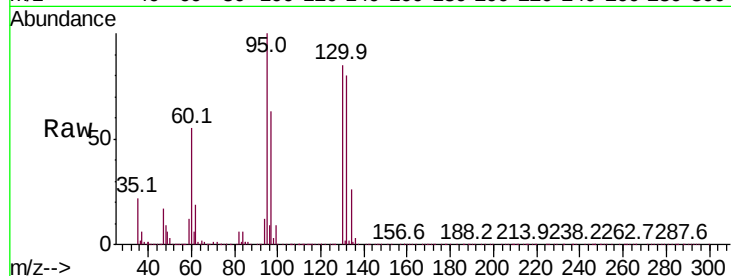




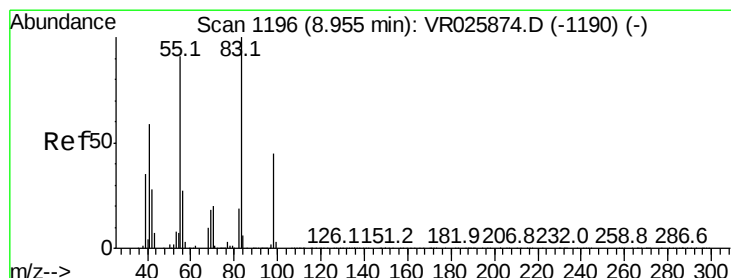
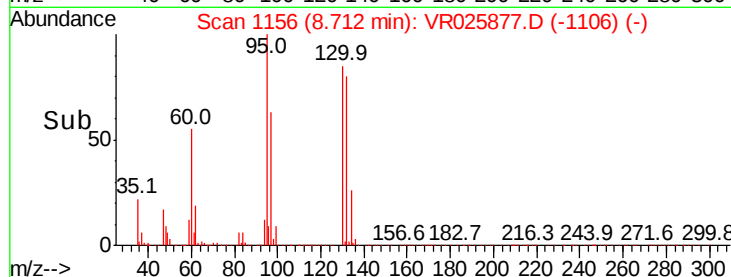
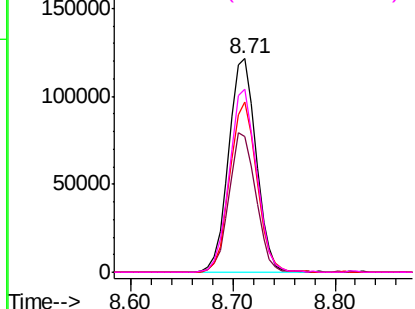
#34
 Trichloroethene
 Concen: 5.100 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VR025877.D
 Acq: 27 Sep 2018 15:59

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion: 95 Resp: 226113
 Ion Ratio Lower Upper
 95 100
 97 63.4 43.9 81.5
 132 79.9 53.3 98.9
 130 85.4 53.8 99.8

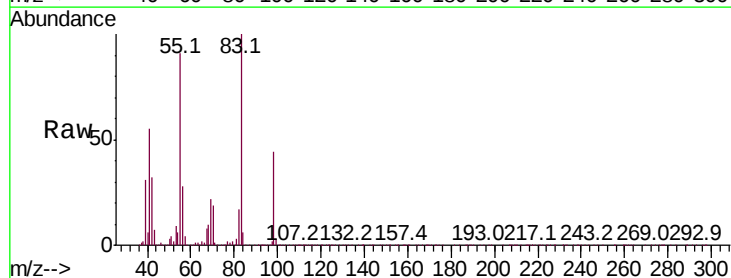


Abundance Ion 95.00 (94.70 to 95.70): VR0
 Ion 96.95 (96.65 to 97.65): VR0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

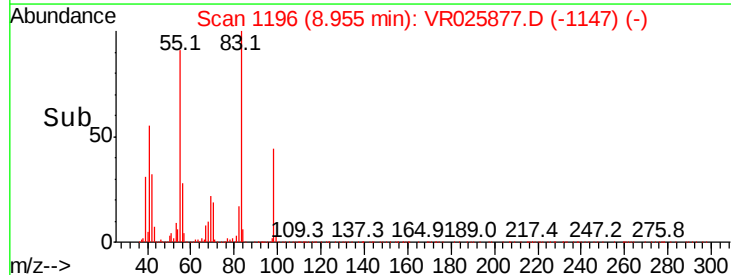
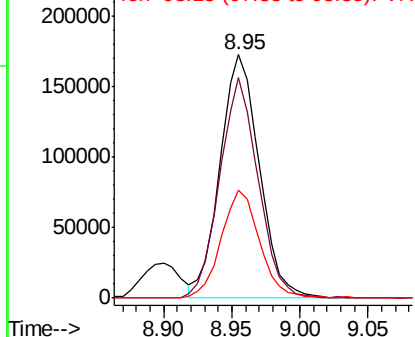


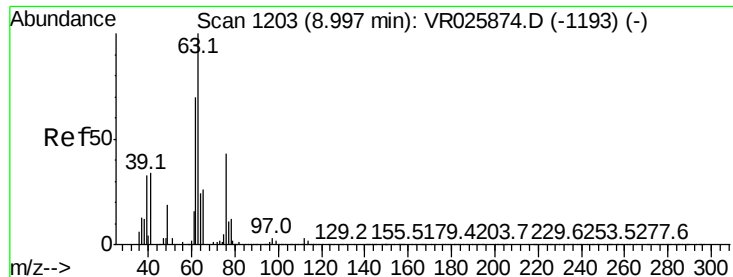
#35
 Methylcyclohexane
 Concen: 5.154 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR025877.D
 Acq: 27 Sep 2018 15:59

Tgt Ion: 83 Resp: 343564
 Ion Ratio Lower Upper
 83 100
 55 88.8 71.8 107.6
 98 43.4 34.2 51.4



Abundance Ion 83.15 (82.85 to 83.85): VR0
 Ion 55.10 (54.80 to 55.80): VR0
 Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 5.118 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.01 min

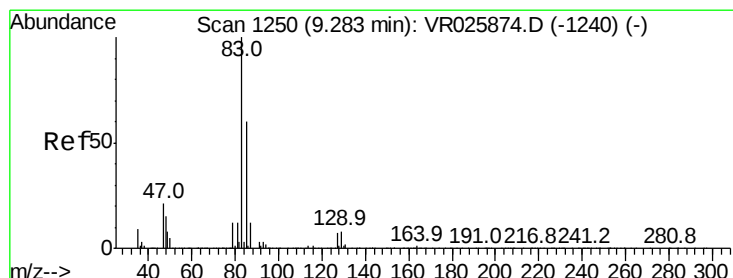
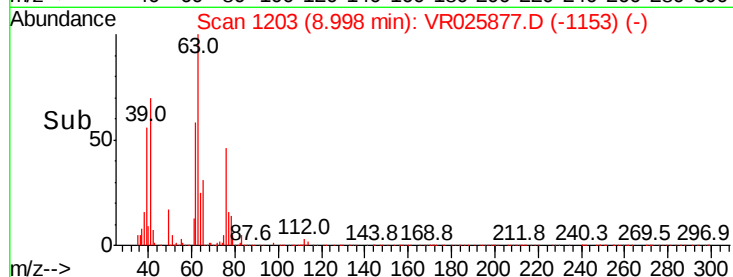
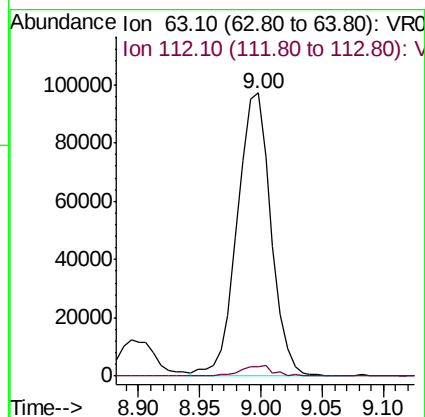
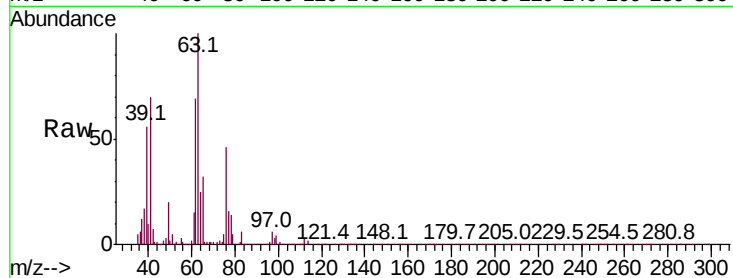
Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 63 Resp: 184742

Ion	Ratio	Lower	Upper
63	100		
112	3.7	2.5	3.7



#38

Bromodichloromethane

Concen: 5.293 ug/L

RT: 9.28 min Scan# 1250

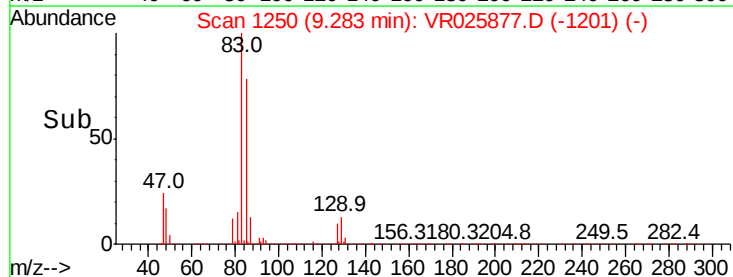
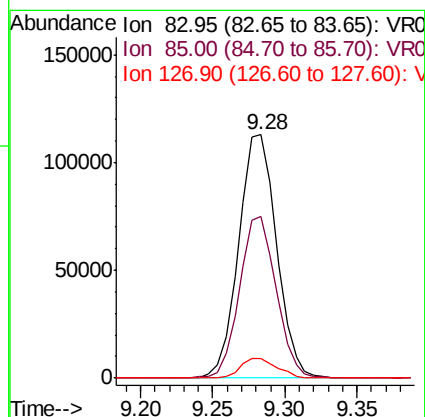
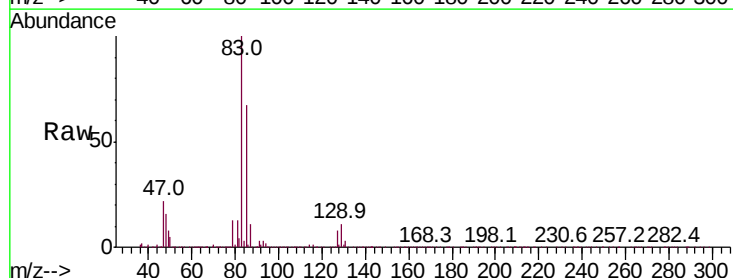
Delta R.T. 0.00 min

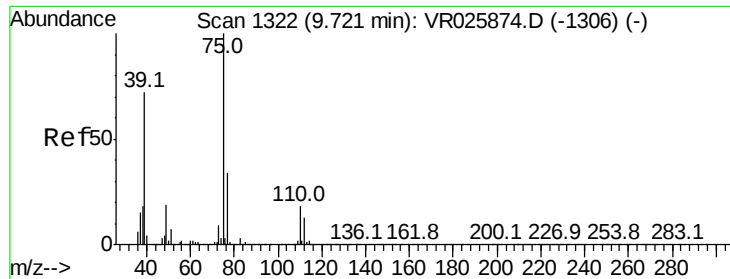
Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

Tgt Ion: 83 Resp: 206132

Ion	Ratio	Lower	Upper
83	100		
85	66.6	42.8	79.4
127	8.3	5.6	8.4

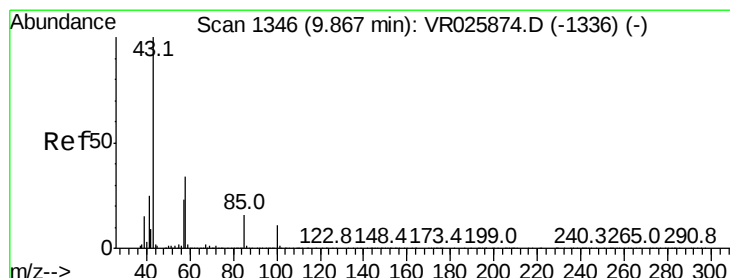
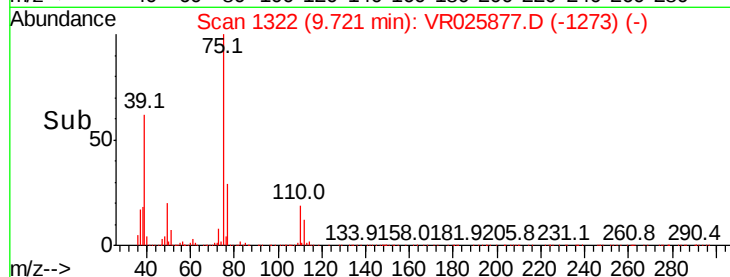
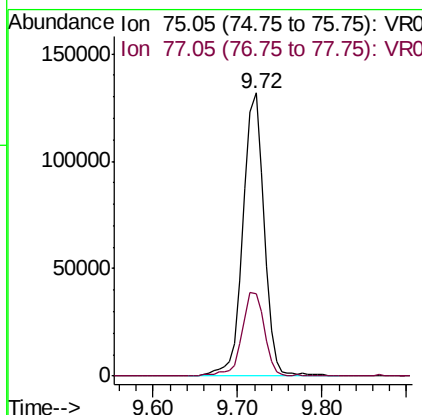
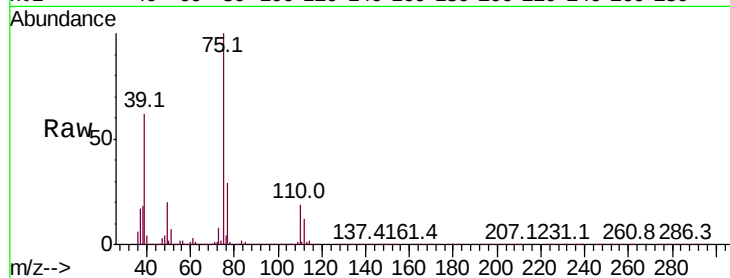




#39
 cis-1,3-Dichloropropene
 Concen: 5.458 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VR025877.D
 Acq: 27 Sep 2018 15:59

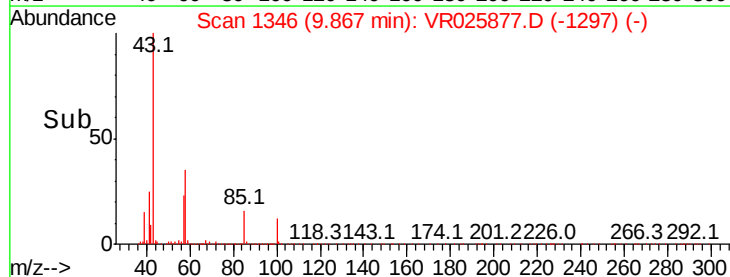
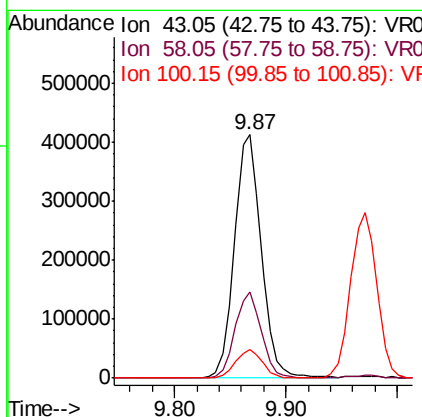
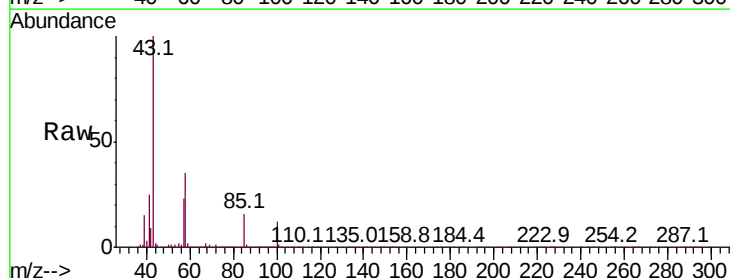
Instrument :
 MSVOA_R
 ClientSampleId :

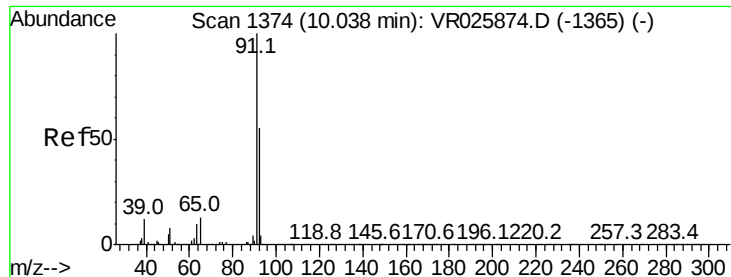
Tot Ion: 75 Resp: 220910
 Ion Ratio Lower Upper
 75 100
 77 29.2 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 54.201 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VR025877.D
 Acq: 27 Sep 2018 15:59

Tgt Ion: 43 Resp: 687976
 Ion Ratio Lower Upper
 43 100
 58 34.5 28.6 43.0
 100 11.7 9.0 13.4





#42

Toluene

Concen: 5.288 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

Instrument :

MSVOA_R

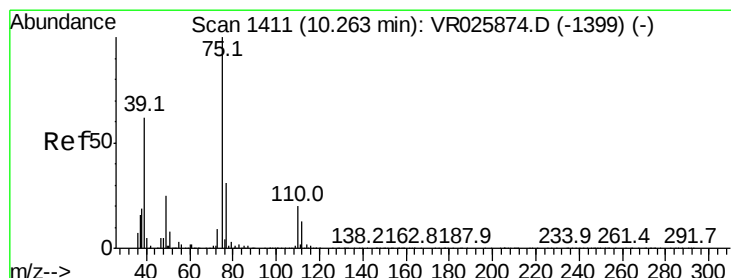
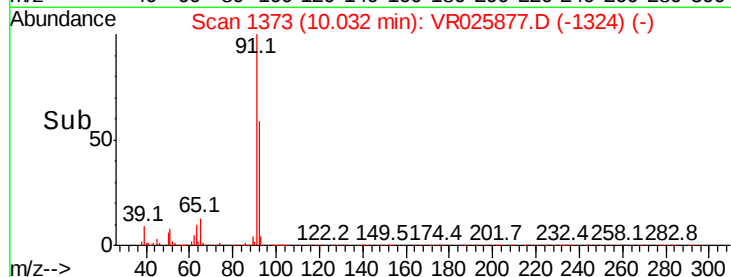
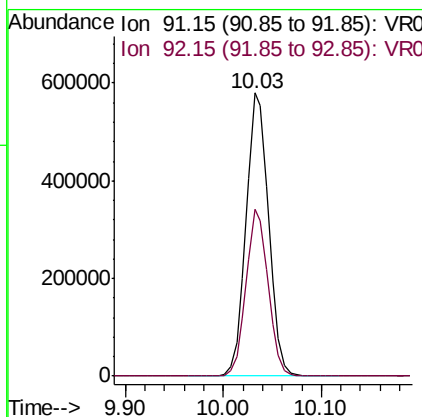
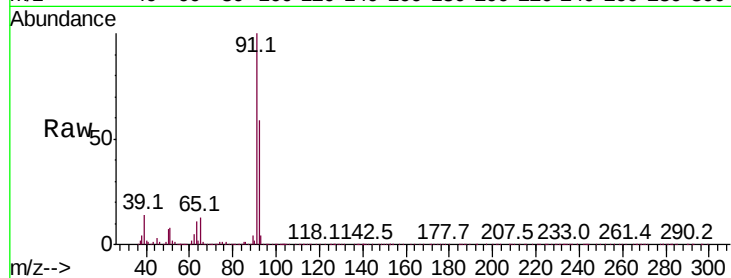
ClientSampleId :

Tot Ion: 91 Resp: 924641

Ion Ratio Lower Upper

91 100

92 58.9 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 5.494 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025877.D

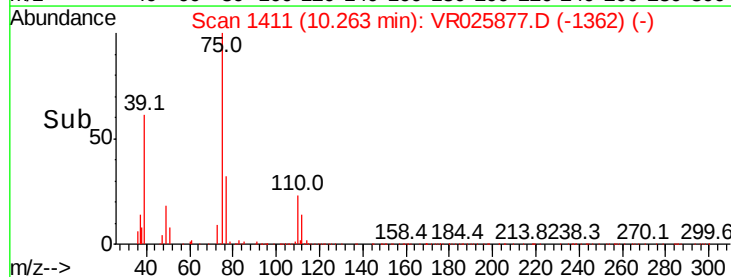
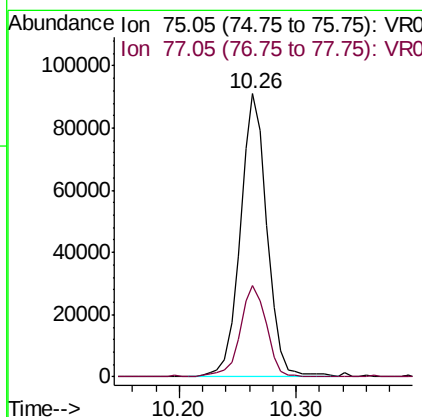
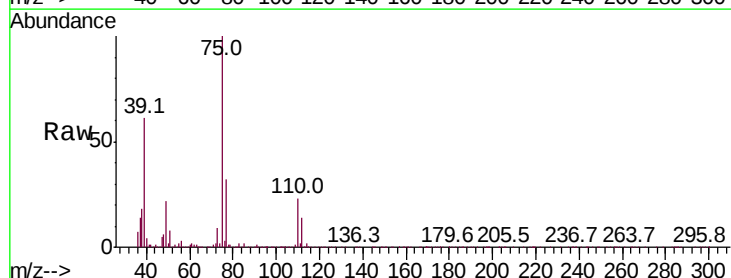
Acq: 27 Sep 2018 15:59

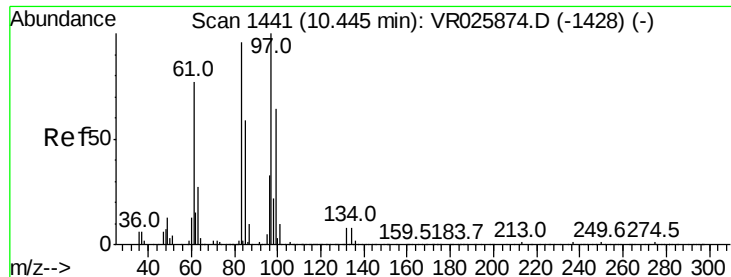
Tgt Ion: 75 Resp: 145191

Ion Ratio Lower Upper

75 100

77 32.3 23.0 42.8

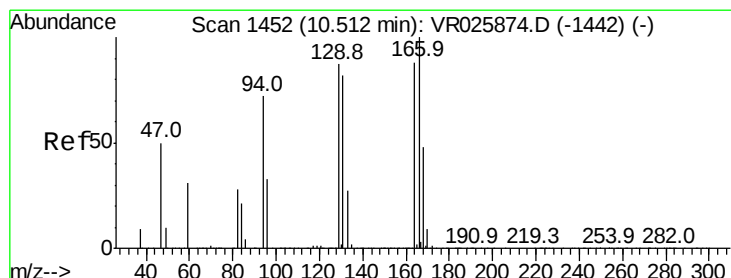
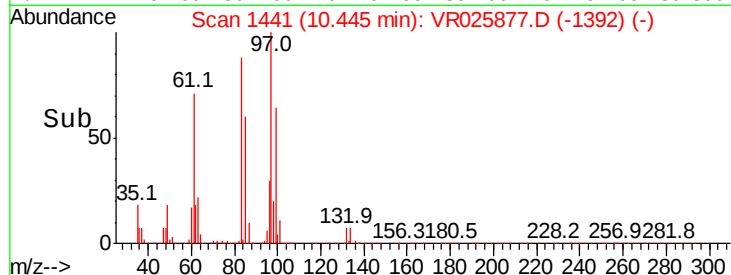
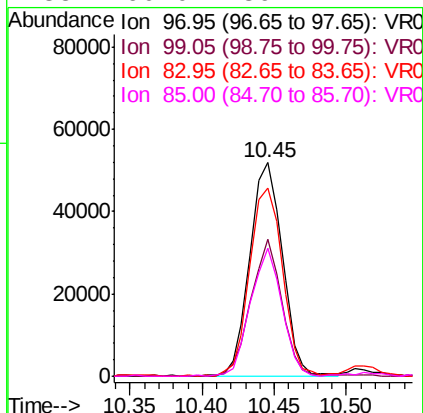
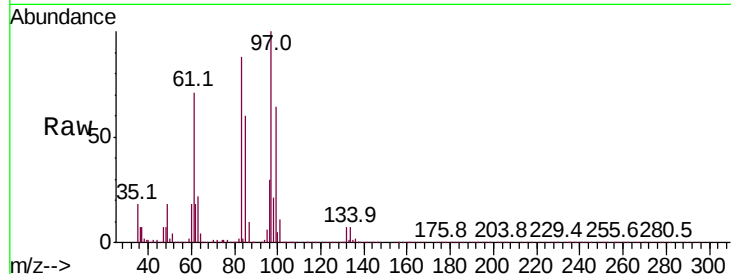




#45
1,1,2-Trichloroethane
Concen: 4.986 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. 0.00 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

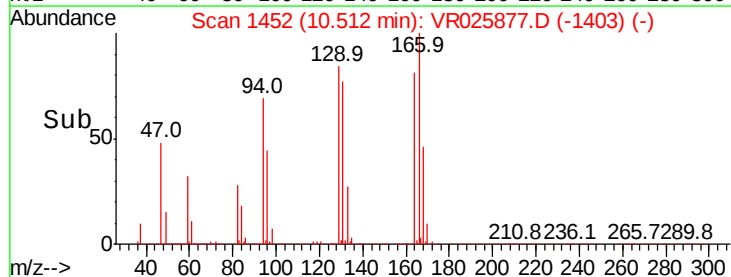
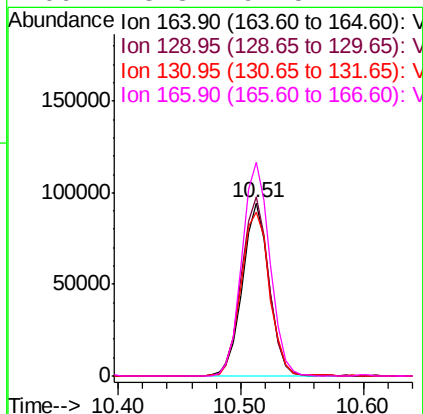
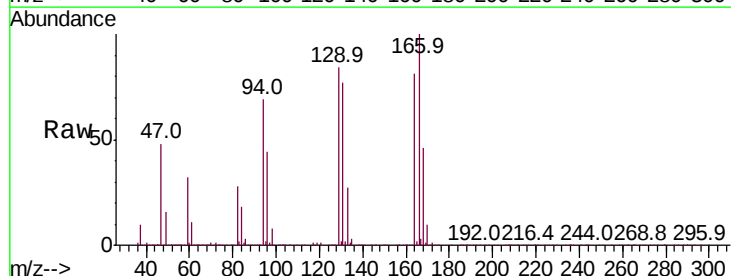
Instrument :
MSVOA_R
ClientSampleId :

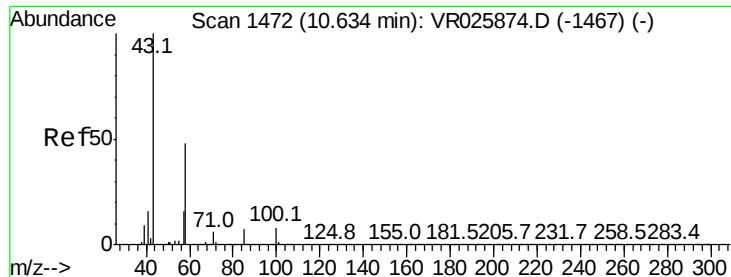
Tot Ion: 97 Resp: 81403
Ion Ratio Lower Upper
97 100
99 63.9 39.6 73.6
83 88.3 62.2 115.6
85 60.0 39.1 72.7



#47
Tetrachloroethene
Concen: 5.208 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

Tgt Ion: 164 Resp: 142279
Ion Ratio Lower Upper
164 100
129 103.3 80.8 150.2
131 94.8 74.5 138.3
166 123.3 92.5 171.7

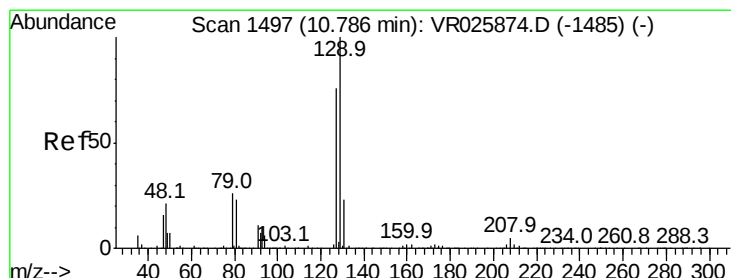
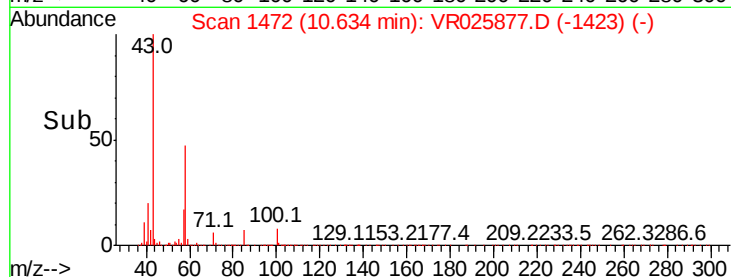
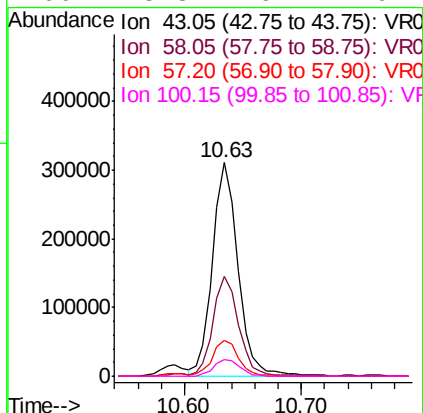
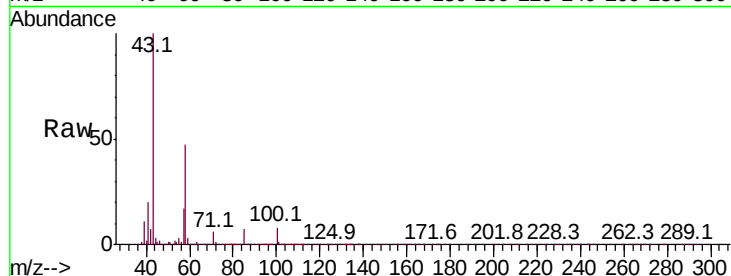




#48
2-Hexanone
Concen: 56.134 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

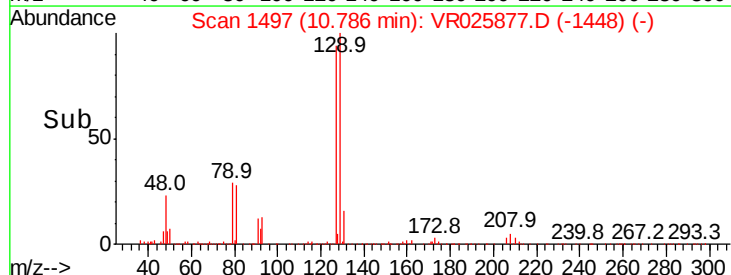
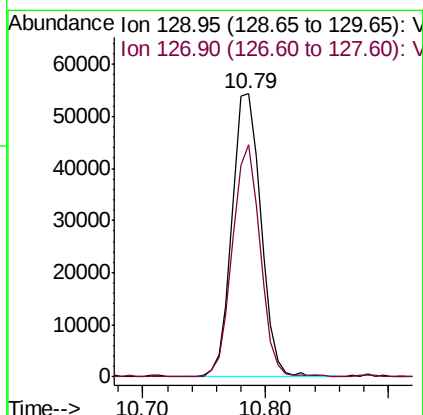
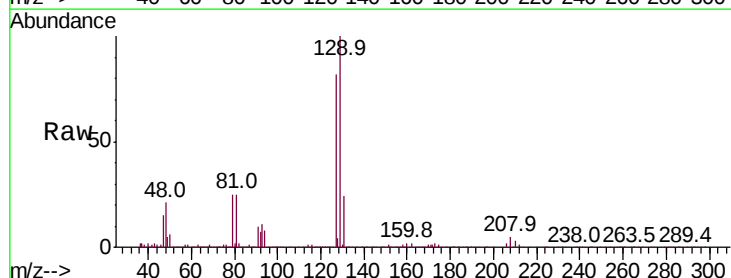
Instrument :
MSVOA_R
ClientSampleId :

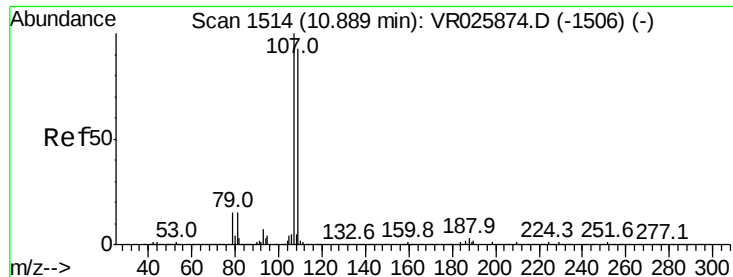
Tot Ion: 43 Resp: 466494
Ion Ratio Lower Upper
43 100
58 49.1 39.5 59.3
57 17.2 14.6 21.8
100 8.3 6.7 10.1



#49
Dibromochloromethane
Concen: 5.358 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

Tgt Ion: 129 Resp: 88779
Ion Ratio Lower Upper
129 100
127 81.9 54.1 100.5

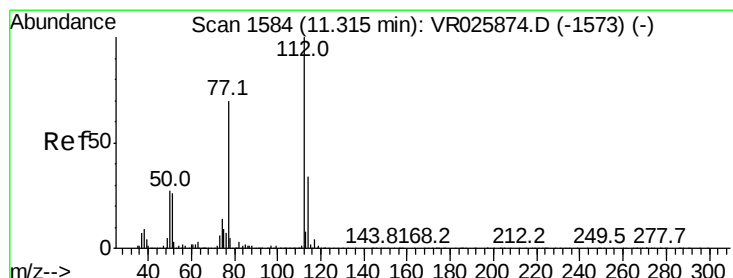
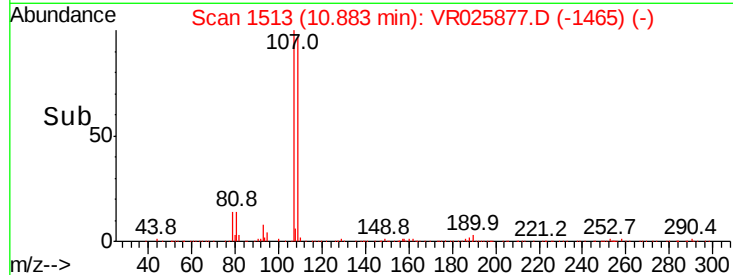
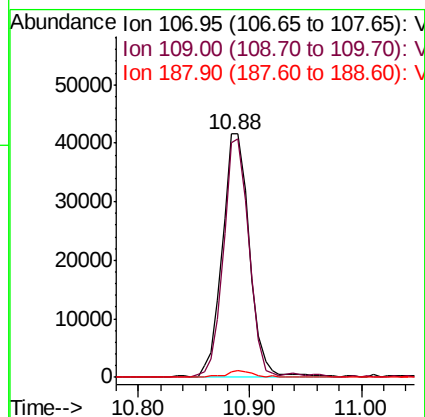
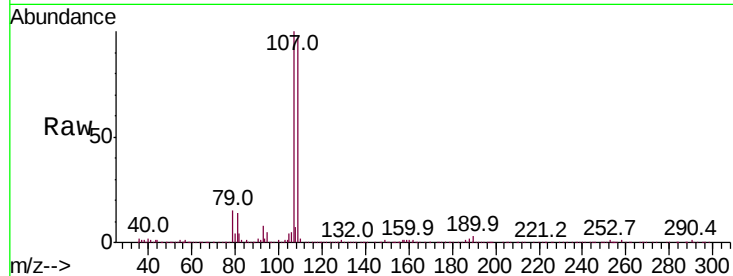




#50
1,2-Dibromoethane
Concen: 5.457 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

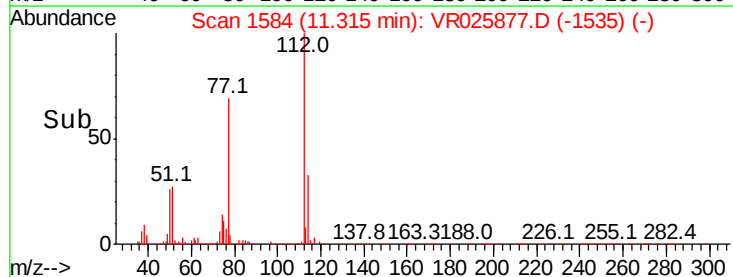
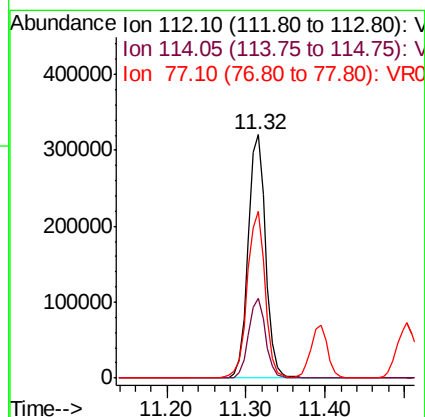
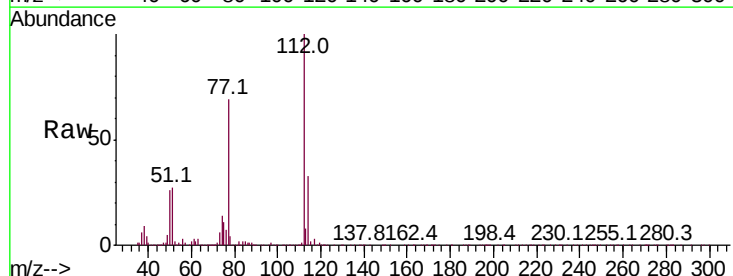
Instrument :
MSVOA_R
ClientSampled :

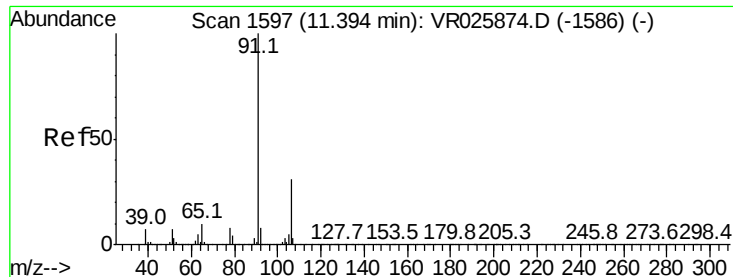
Tot Ion:107 Resp: 70308
Ion Ratio Lower Upper
107 100
109 96.5 63.5 117.9
188 2.3 1.7 2.5



#51
Chlorobenzene
Concen: 5.297 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

Tgt Ion:112 Resp: 491279
Ion Ratio Lower Upper
112 100
114 32.7 22.7 42.3
77 68.6 58.5 87.7





#52

Ethylbenzene

Concen: 5.509 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

Instrument :

MSVOA_R

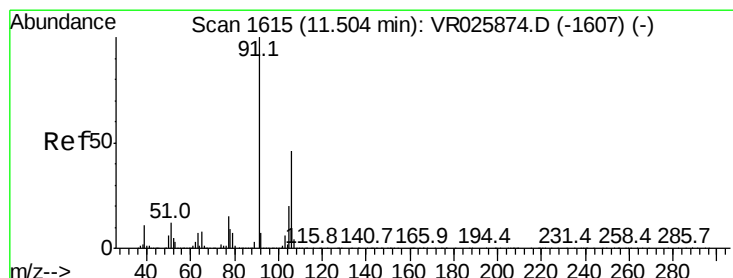
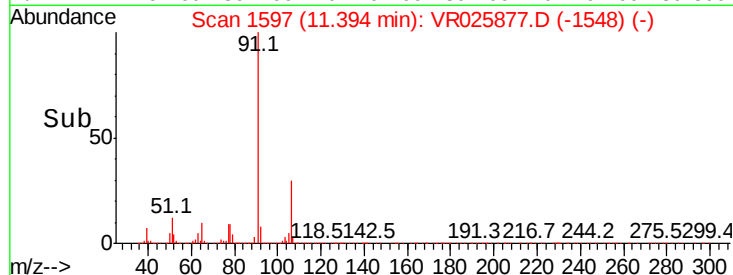
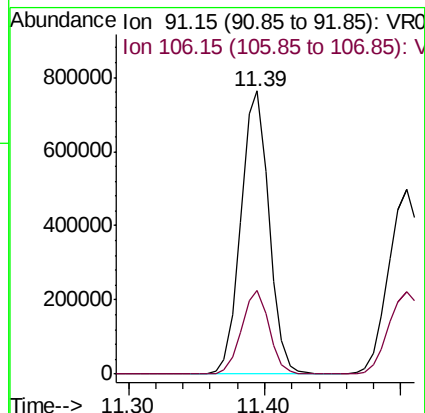
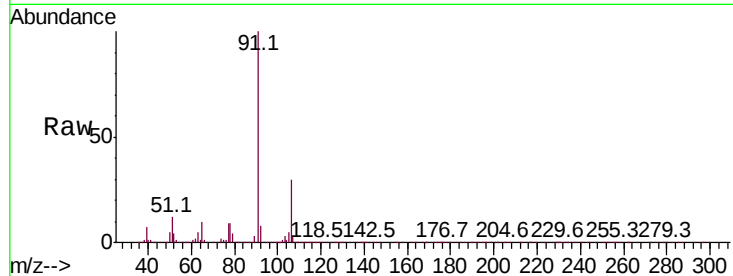
ClientSampled :

Tot Ion: 91 Resp: 1099464

Ion Ratio Lower Upper

91 100

106 29.7 20.6 38.4



#53

m,p-Xylene

Concen: 5.513 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025877.D

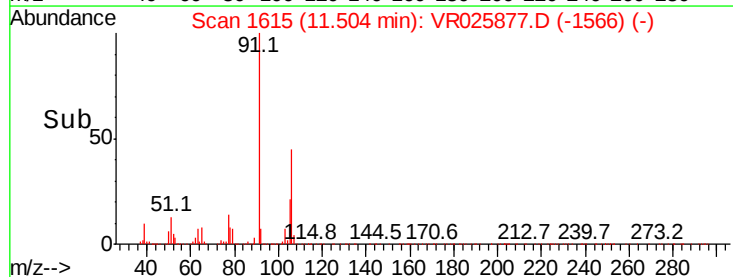
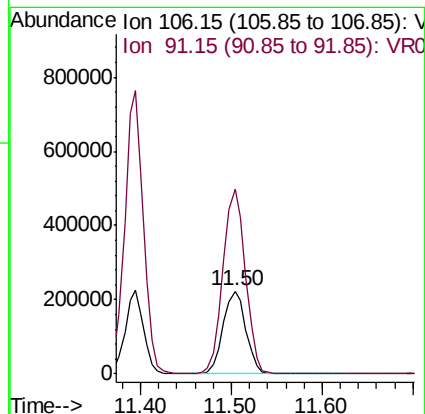
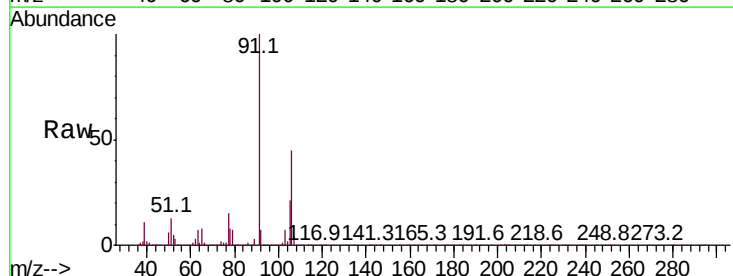
Acq: 27 Sep 2018 15:59

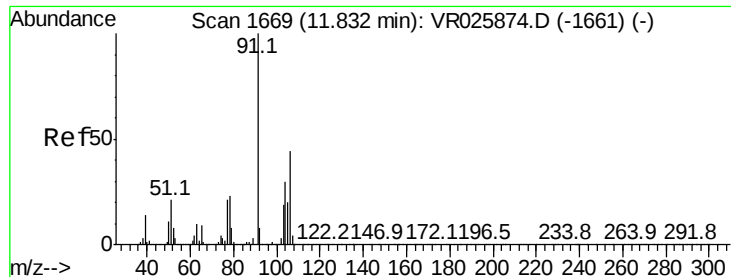
Tgt Ion: 106 Resp: 391701

Ion Ratio Lower Upper

106 100

91 223.3 159.7 296.5

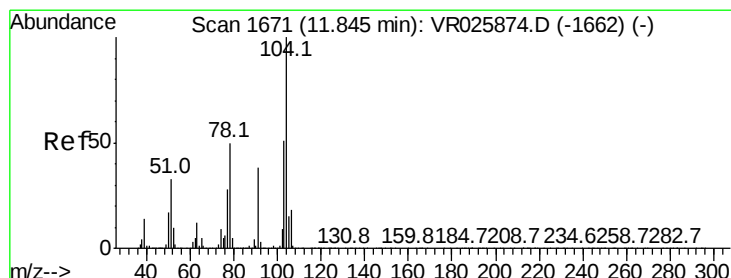
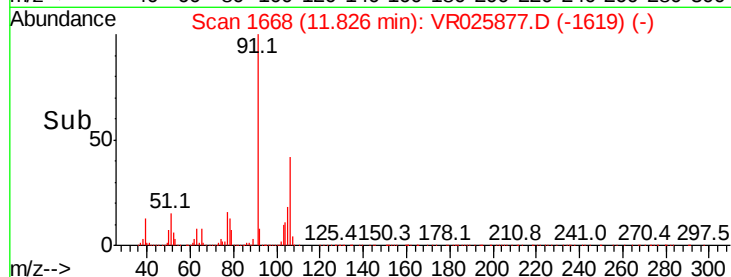
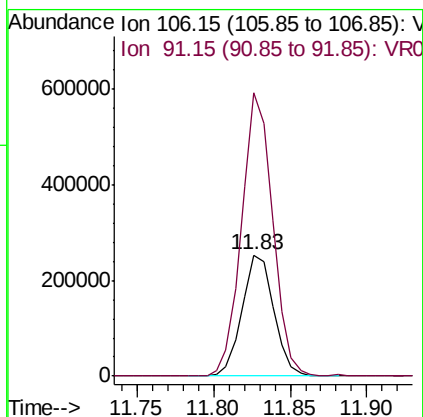
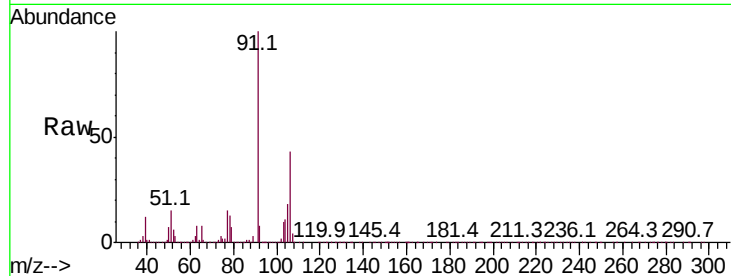




#54
o-Xylene
Concen: 5.535 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

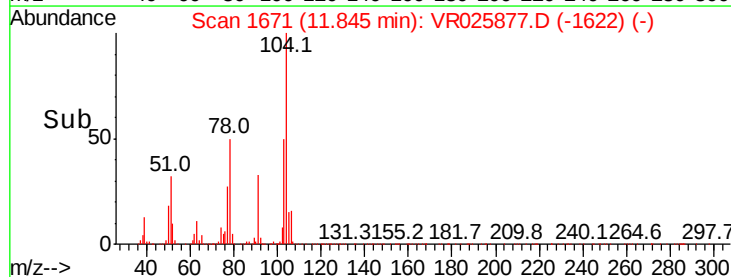
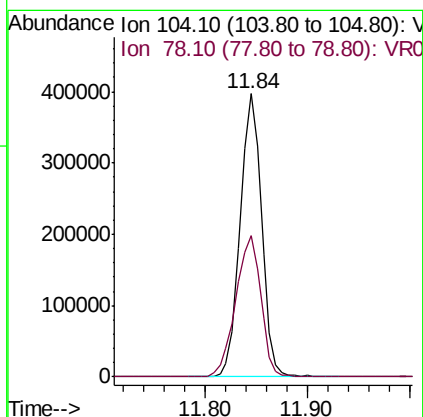
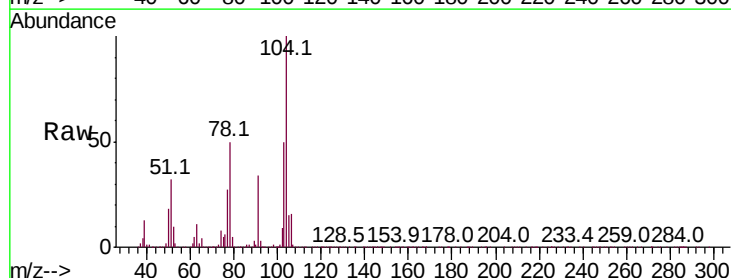
Instrument :
MSVOA_R
ClientSampleId :

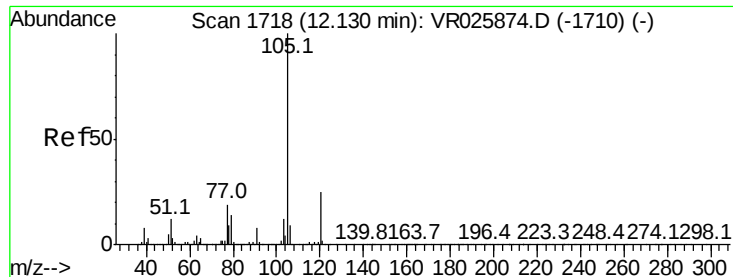
Tot Ion:106 Resp: 366021
Ion Ratio Lower Upper
106 100
91 233.8 164.5 305.5



#55
Styrene
Concen: 5.602 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR025877.D
Acq: 27 Sep 2018 15:59

Tgt Ion:104 Resp: 576561
Ion Ratio Lower Upper
104 100
78 50.1 39.3 72.9





#56

Isopropylbenzene

Concen: 5.706 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

Instrument :

MSVOA_R

ClientSampleId :

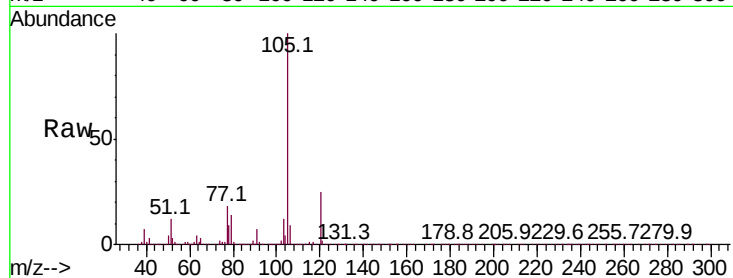
Tot Ion:105 Resp: 1040796

Ion Ratio Lower Upper

105 100

120 24.6 19.8 29.8

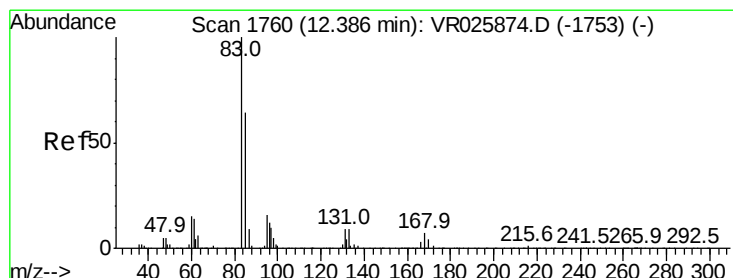
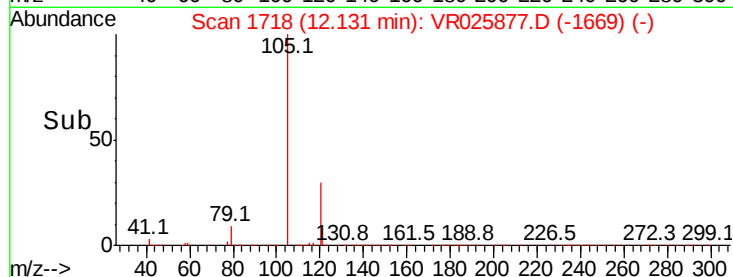
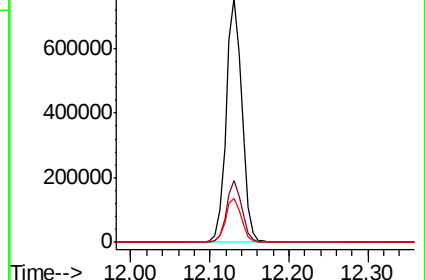
77 18.3 15.5 23.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.206 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

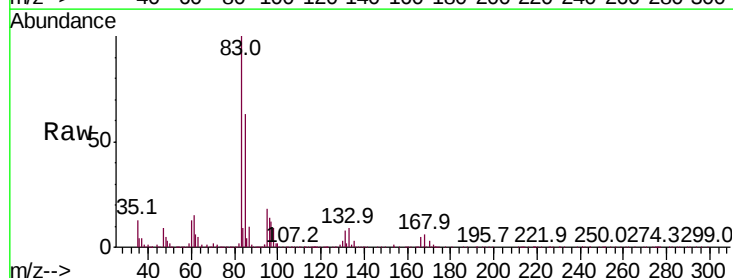
Tgt Ion: 83 Resp: 81895

Ion Ratio Lower Upper

83 100

85 63.5 45.8 85.0

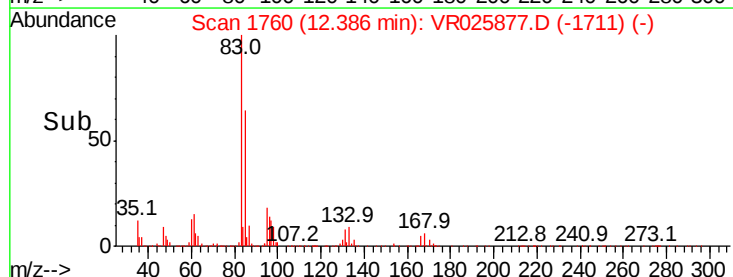
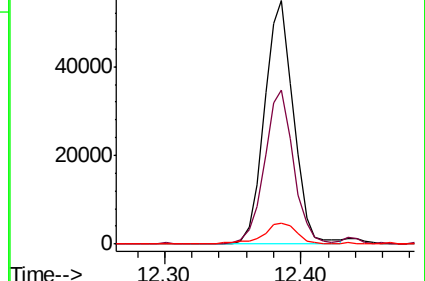
131 8.5 6.6 9.8

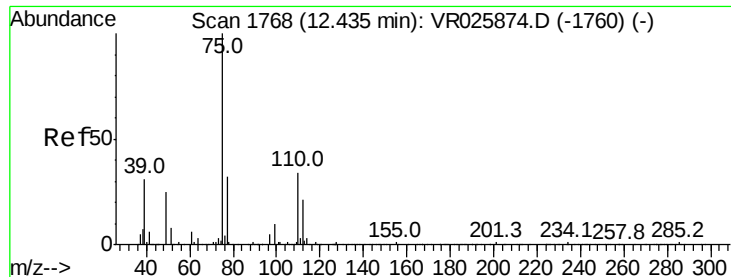


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.239 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

Instrument :

MSVOA_R

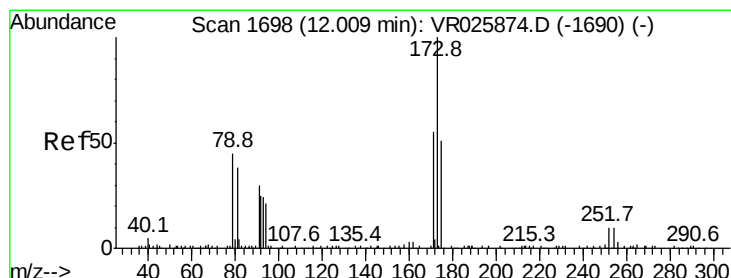
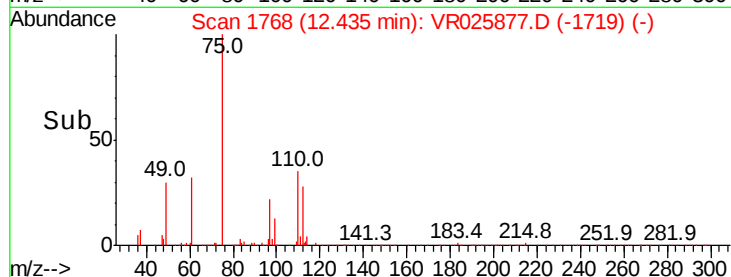
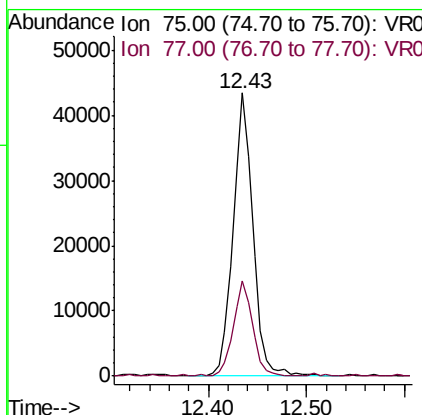
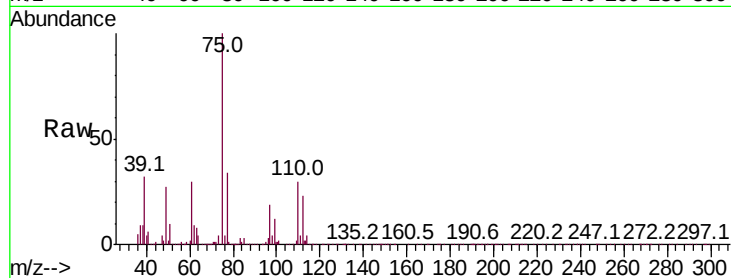
ClientSampleId :

Tot Ion: 75 Resp: 61345

Ion Ratio Lower Upper

75 100

77 33.0 25.8 38.6



#61

Bromoform

Concen: 5.386 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

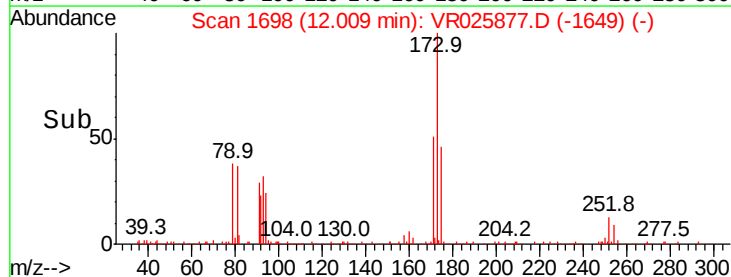
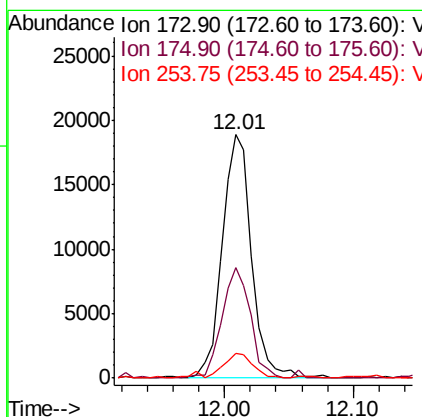
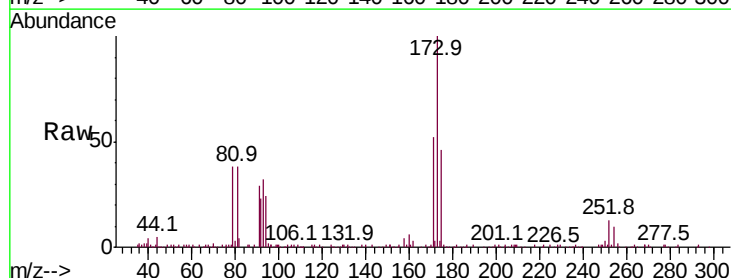
Tgt Ion: 173 Resp: 30150

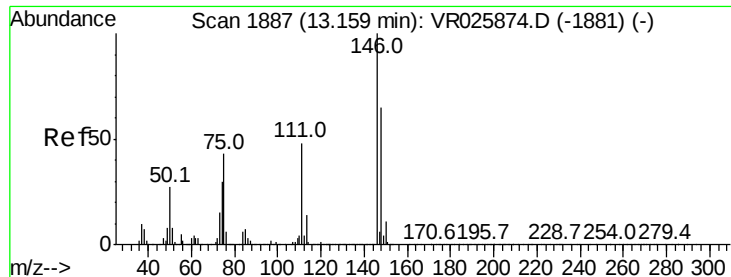
Ion Ratio Lower Upper

173 100

175 44.0 36.9 55.3

254 10.0 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 5.445 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

Instrument :

MSVOA_R

ClientSampleId :

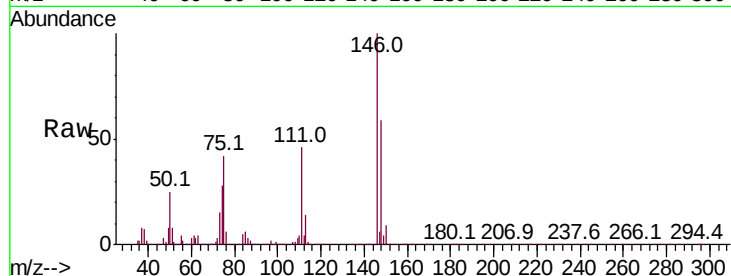
Tot Ion:146 Resp: 294698

Ion Ratio Lower Upper

146 100

111 45.9 36.6 68.0

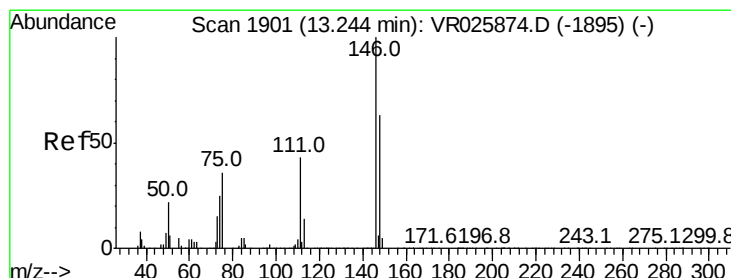
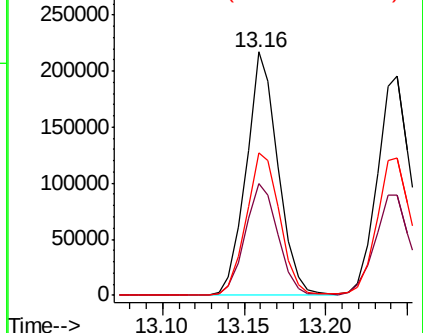
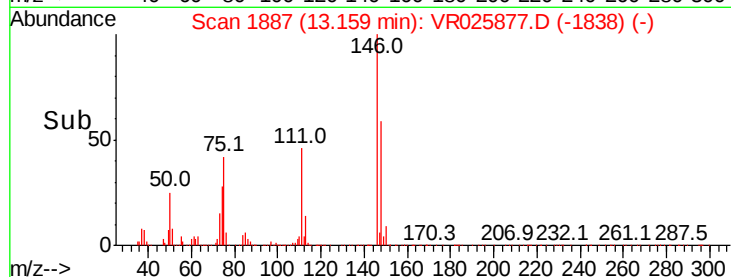
148 58.6 41.9 77.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.123 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

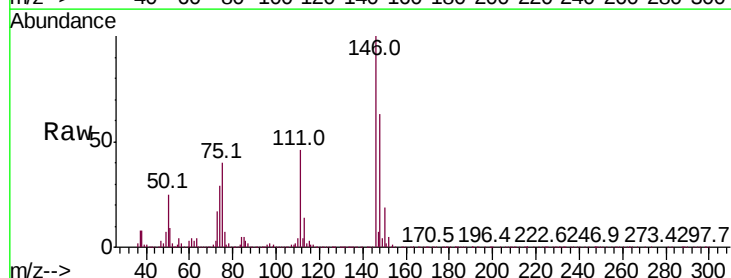
Tgt Ion:146 Resp: 283646

Ion Ratio Lower Upper

146 100

111 45.6 32.9 61.1

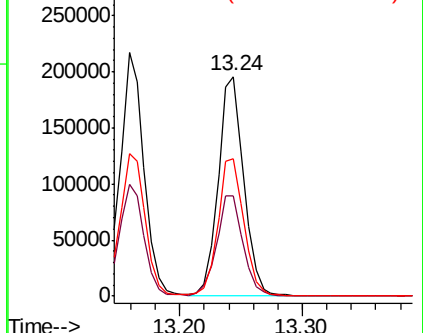
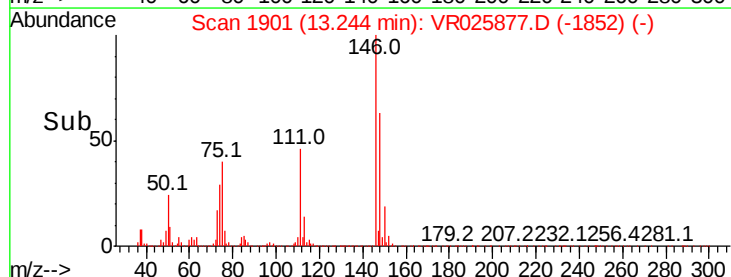
148 62.7 45.5 84.5

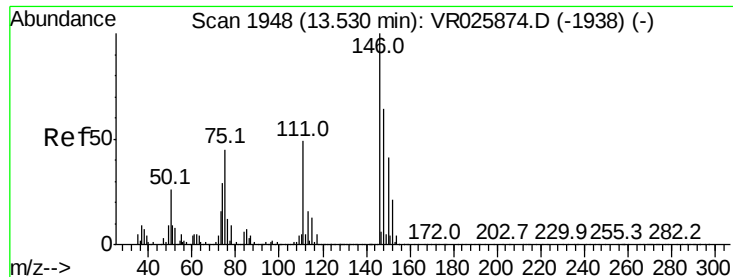


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.176 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR025877.D

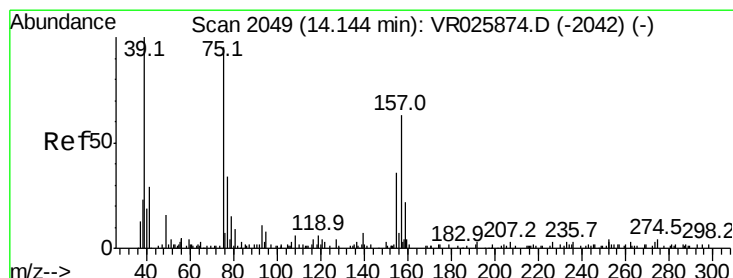
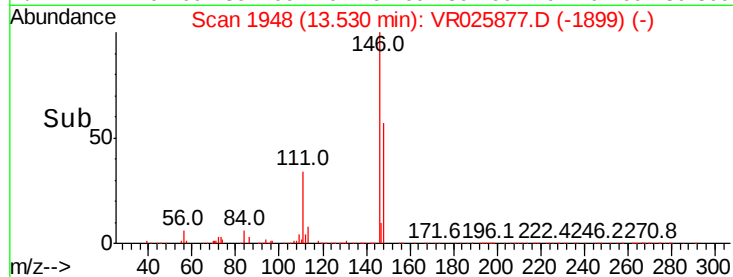
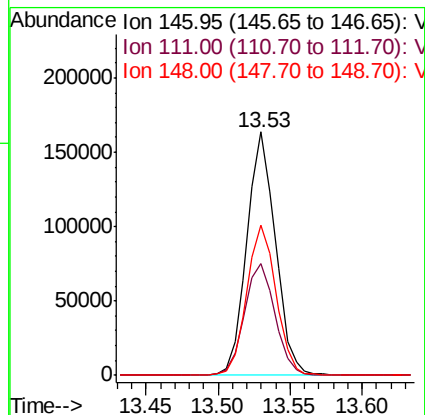
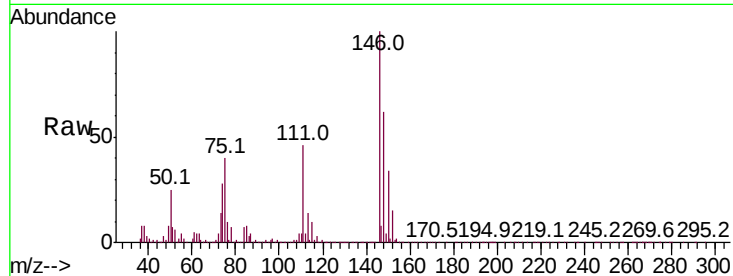
Acq: 27 Sep 2018 15:59

Instrument :

MSVOA_R

ClientSampled :

Tot Ion:	146	Resp:	225082
Ion Ratio	Lower	Upper	
146	100		
111	45.8	39.4	59.0
148	61.8	53.5	80.3



#66

1,2-Dibromo-3-chloropropane

Concen: 4.543 ug/L

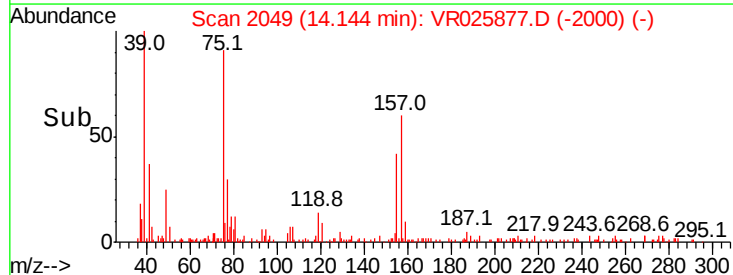
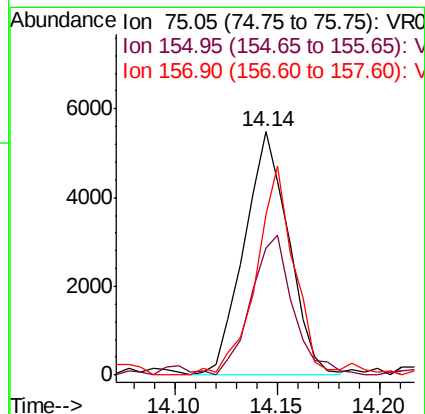
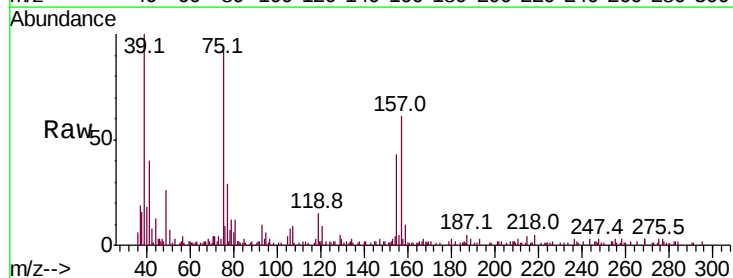
RT: 14.14 min Scan# 2049

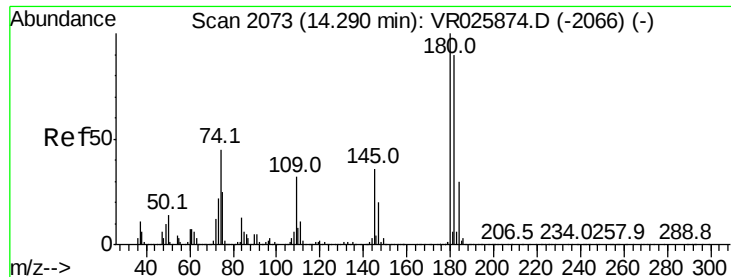
Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

Tgt Ion:	75	Resp:	8307
Ion Ratio	Lower	Upper	
75	100		
155	52.1	37.8	56.6
157	65.9	49.7	74.5

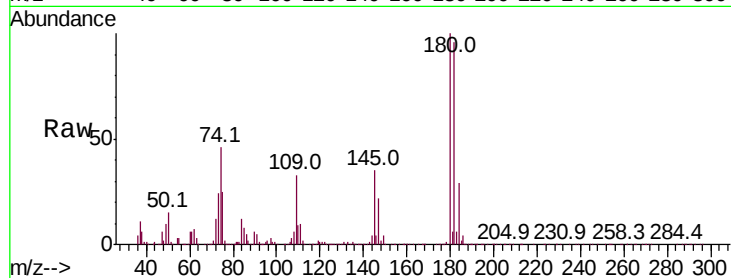




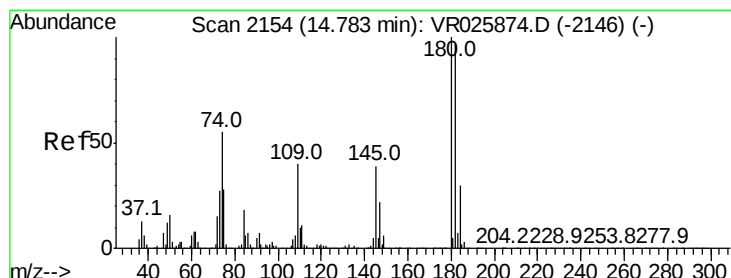
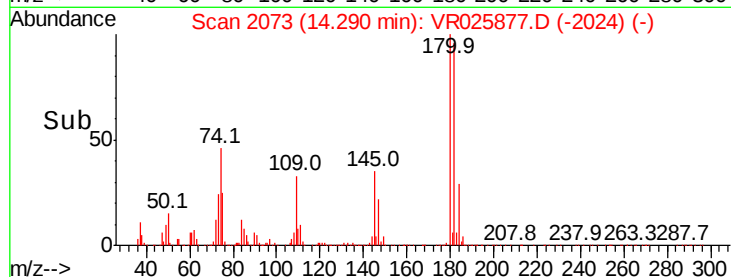
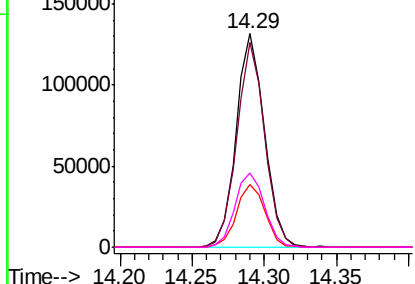
#67
 1,3,5-Trichlorobenzene
 Concen: 5.581 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025877.D
 Acq: 27 Sep 2018 15:59

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	180	Resp:	179904
Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.2	115.8
184	29.6	24.5	36.7
145	36.4	31.1	46.7

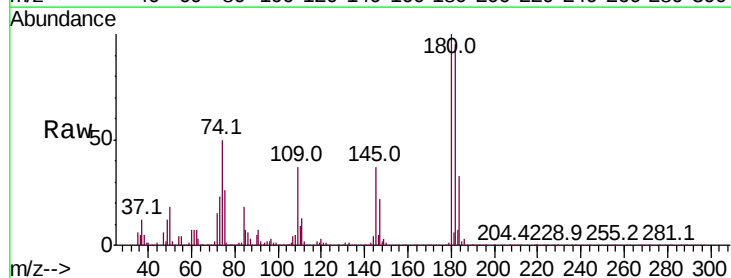


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

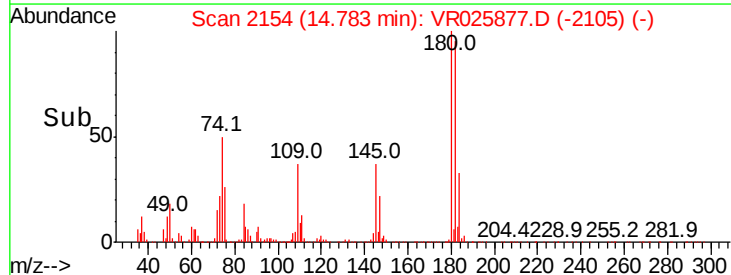
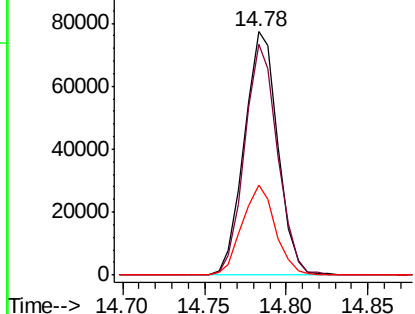


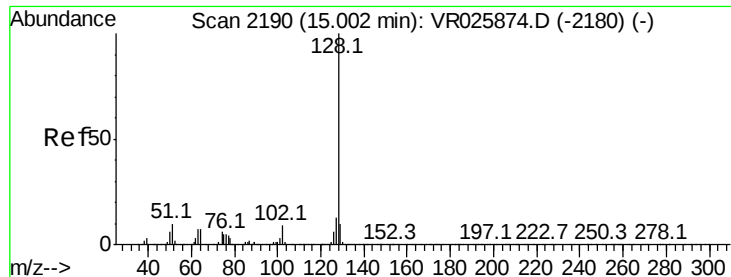
#68
 1,2,4-trichlorobenzene
 Concen: 5.384 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR025877.D
 Acq: 27 Sep 2018 15:59

Tgt Ion:	180	Resp:	110635
Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.2	112.8
145	36.5	30.5	45.7



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: 6.656 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

Instrument :

MSVOA_R

ClientSampleId :

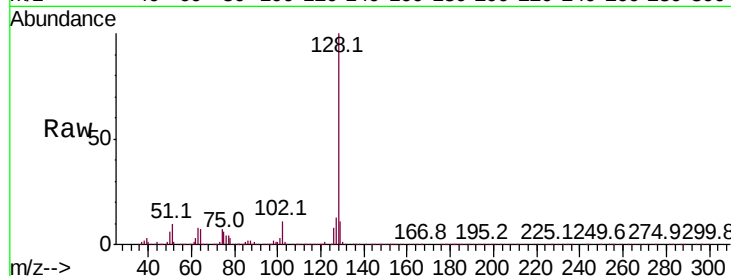
Tot Ion:128 Resp: 174575

Ion Ratio Lower Upper

128 100

127 13.7 10.5 15.7

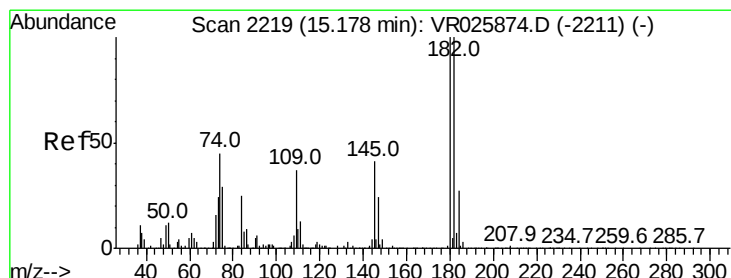
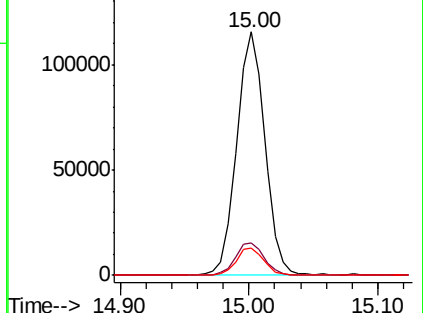
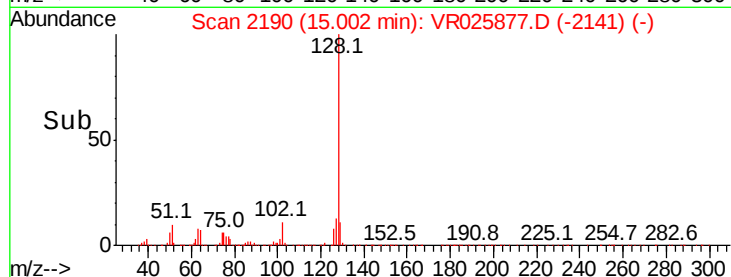
129 10.9 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.625 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025877.D

Acq: 27 Sep 2018 15:59

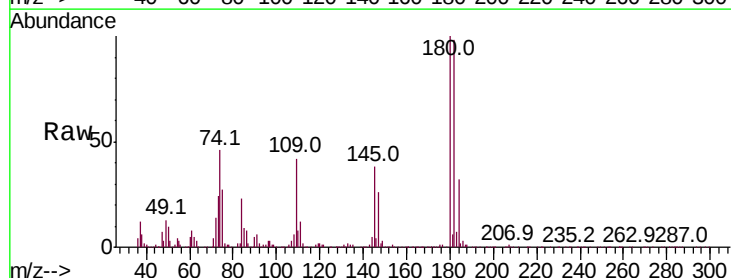
Tgt Ion:180 Resp: 80196

Ion Ratio Lower Upper

180 100

182 95.7 74.7 112.1

145 36.8 31.3 46.9



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

