

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092718\
 Data File : VR025878.D
 Acq On : 27 Sep 2018 16:32
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Sep 28 05:30:33 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	575738	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	487784	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	177045	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	224168	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	2.63	69	174462	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	3.63	63	491941	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.20%
20) 2-Butanone-d5	6.59	46	260037	51.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.76%
24) Chloroform-d	7.20	84	384112	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	7.90	65	166319	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	7.85	84	792700	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	8.90	67	213372	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	9.97	98	749379	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	10.24	79	49821	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	10.59	63	197770	52.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.44%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	86022	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	137664	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	165885	4.740	ug/L 97
3) Chloromethane	2.01	50	238612	4.795	ug/L 99
5) Vinyl chloride	2.17	62	227694	4.597	ug/L 99
6) Bromomethane	2.52	94	139529	4.512	ug/L 97
8) Chloroethane	2.66	64	132195	4.691	ug/L 98
9) Trichlorofluoromethane	2.93	101	102338	1.488	ug/L # 45
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	195503	4.651	ug/L 95
12) 1,1-Dichloroethene	3.65	96	202610	4.662	ug/L 89
13) Acetone	3.70	43	161050	43.900	ug/L 97
14) Carbon disulfide	3.96	76	488805	4.646	ug/L 99
15) Methyl Acetate	4.19	43	47160	4.636	ug/L 93
16) Methylene chloride	4.40	84	169890	4.251	ug/L 92
17) Methyl tert-butyl Ether	4.90	73	236875	4.922	ug/L 98
18) trans-1,2-Dichloroethene	4.88	96	177489	4.938	ug/L 91
19) 1,1-Dichloroethane	5.69	63	334089	4.694	ug/L 99
21) 2-Butanone	6.69	43	244553	48.466	ug/L 97
22) cis-1,2-Dichloroethene	6.67	96	172038	4.757	ug/L # 95

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

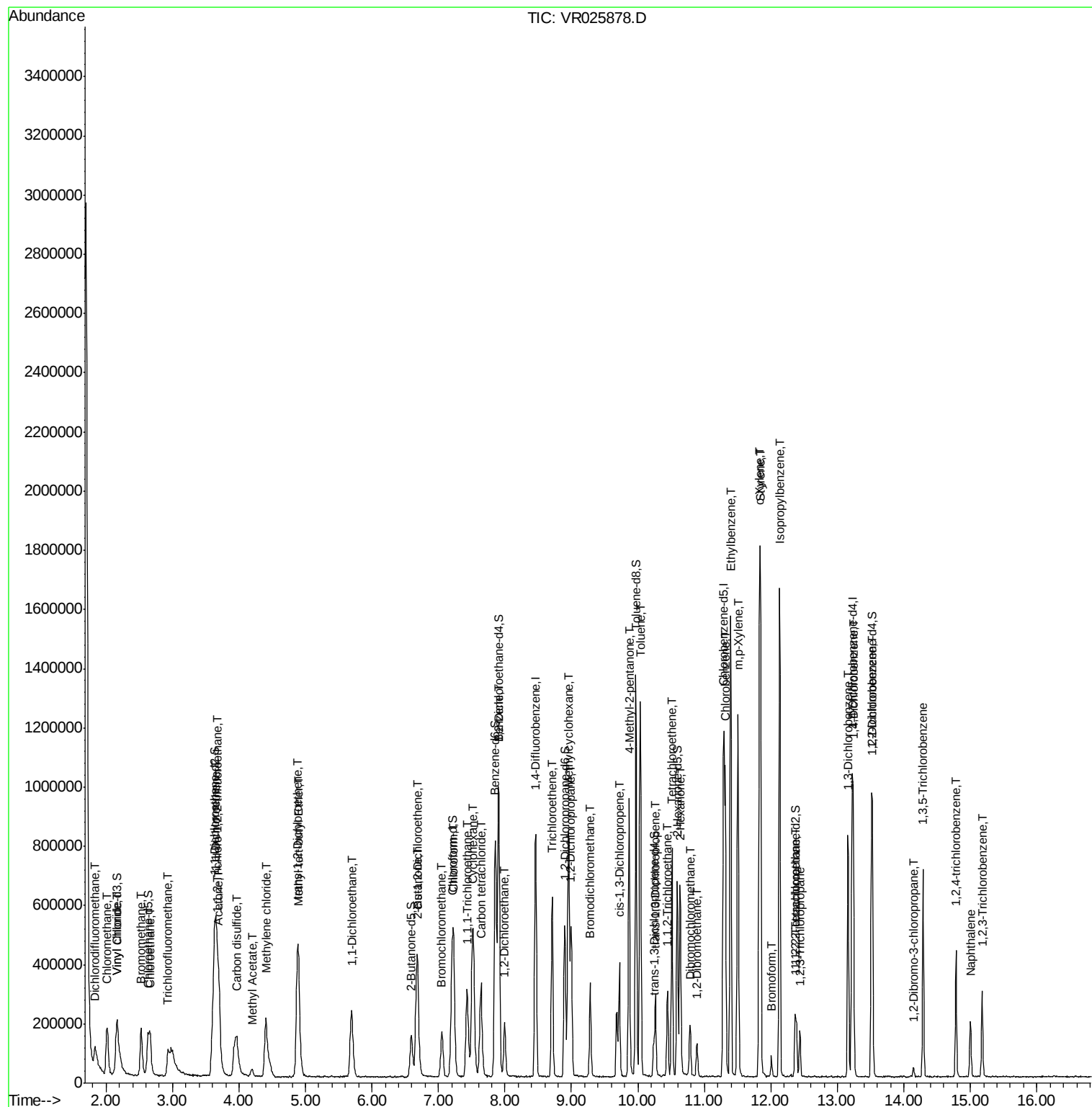
23) Bromochloromethane	7.05	128	46622	4.752	ug/L	96
25) Chloroform	7.23	83	328568	4.741	ug/L	99
27) 1,2-Dichloroethane	7.99	62	164941	4.770	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	256498	4.676	ug/L	98
30) Cyclohexane	7.51	56	333992	4.873	ug/L	97
31) Carbon tetrachloride	7.63	117	238551	5.022	ug/L	99
33) Benzene	7.91	78	767396	4.690	ug/L	100
34) Trichloroethene	8.71	95	202617	4.700	ug/L	98
35) Methylcyclohexane	8.96	83	317412	4.897	ug/L	97
37) 1,2-Dichloropropane	9.00	63	168685	4.806	ug/L	99
38) Bromodichloromethane	9.28	83	179166	4.731	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	188357	4.786	ug/L	92
40) 4-Methyl-2-pentanone	9.87	43	597738	48.432	ug/L	98
42) Toluene	10.04	91	809214	4.760	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	127826	4.975	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	71967	4.533	ug/L	96
47) Tetrachloroethene	10.51	164	124714	4.695	ug/L	96
48) 2-Hexanone	10.63	43	399000	49.378	ug/L	98
49) Dibromochloromethane	10.79	129	74184	4.604	ug/L	97
50) 1,2-Dibromoethane	10.89	107	63812	5.094	ug/L #	99
51) Chlorobenzene	11.32	112	432752	4.799	ug/L	94
52) Ethylbenzene	11.39	91	940753	4.848	ug/L	100
53) m,p-Xylene	11.50	106	337215	4.882	ug/L	91
54) o-Xylene	11.83	106	309213	4.809	ug/L	98
55) Styrene	11.84	104	483006	4.826	ug/L	97
56) Isopropylbenzene	12.13	105	873949	4.928	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.38	83	72897	4.766	ug/L #	93
59) 1,2,3-Trichloropropane	12.43	75	54278	4.768	ug/L	97
61) Bromoform	12.01	173	25180	4.705	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	256767	4.962	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	250410	4.731	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	191288	4.601	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	7079	4.050	ug/L #	79
67) 1,3,5-Trichlorobenzene	14.29	180	148945	4.832	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	93855	4.777	ug/L	99
69) Naphthalene	15.00	128	123885	4.940	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	67714	4.967	ug/L	98

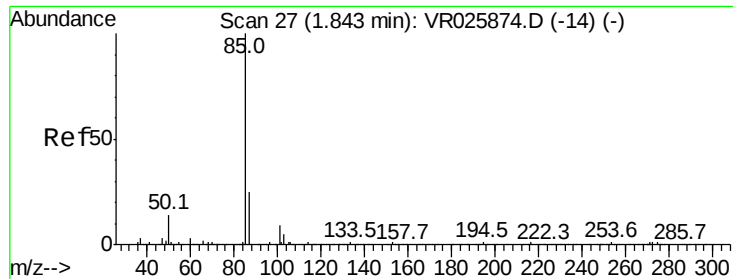
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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#2

Dichlorodifluoromethane

Concen: 4.740 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.01 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

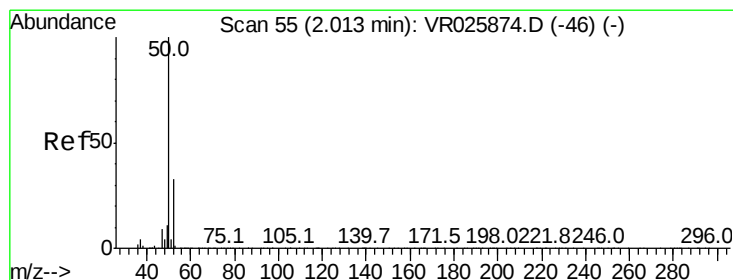
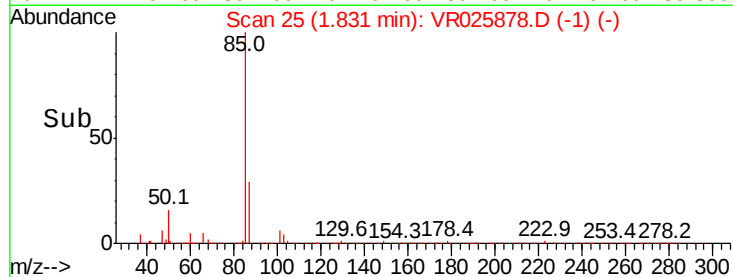
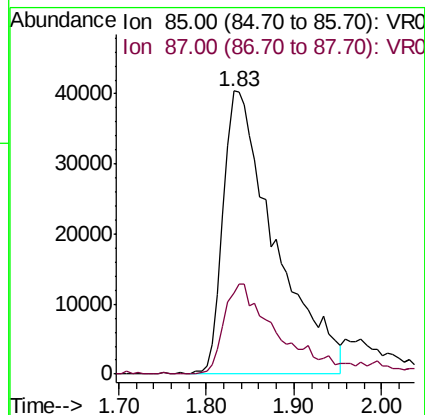
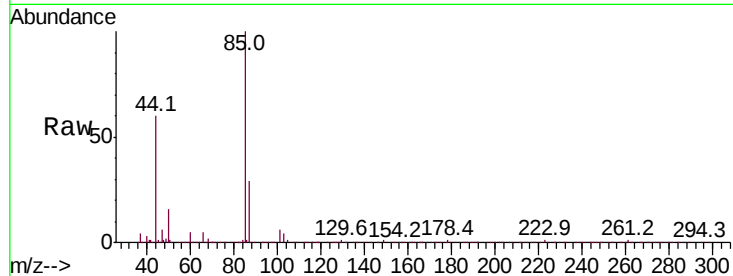
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 85 Resp: 165885

Ion Ratio Lower Upper

85 100

87 30.0 25.1 37.7



#3

Chloromethane

Concen: 4.795 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR025878.D

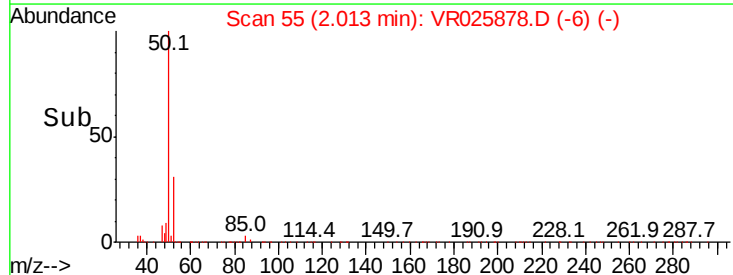
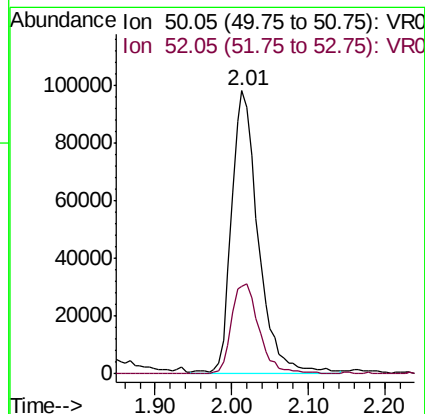
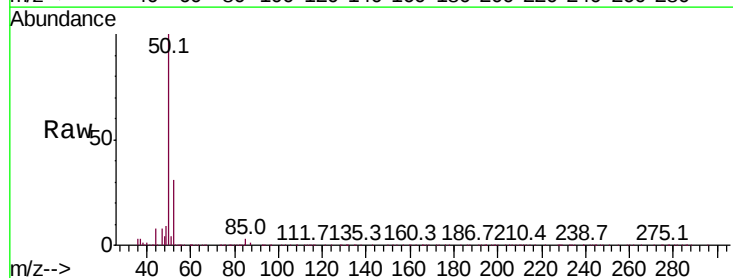
Acq: 27 Sep 2018 16:32

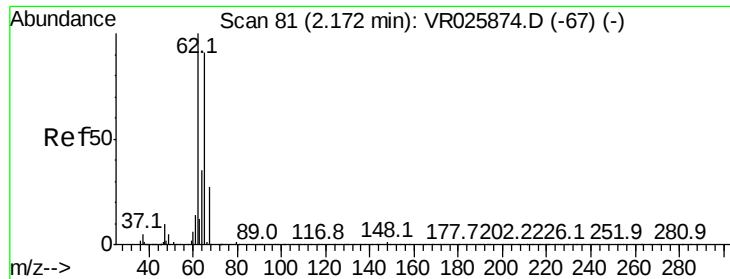
Tgt Ion: 50 Resp: 238612

Ion Ratio Lower Upper

50 100

52 31.0 22.1 41.1





#5

Vinyl chloride

Concen: 4.597 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

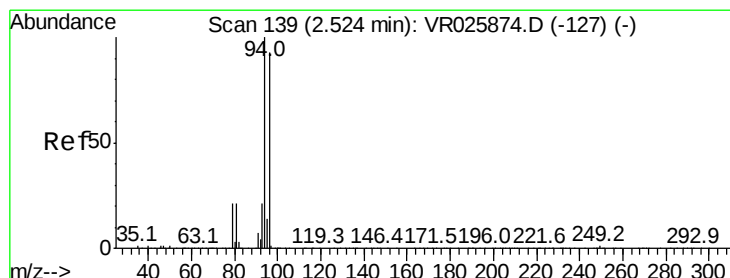
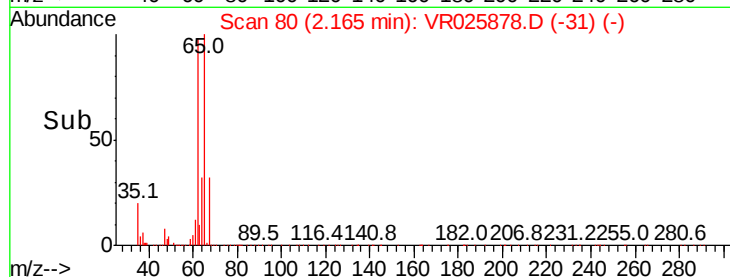
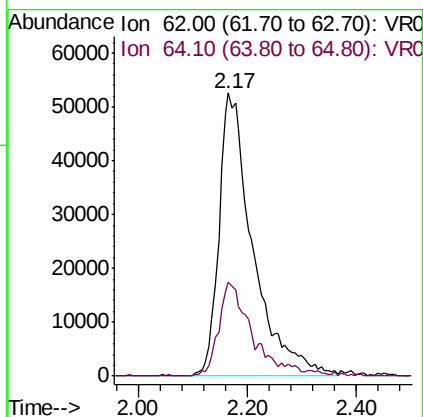
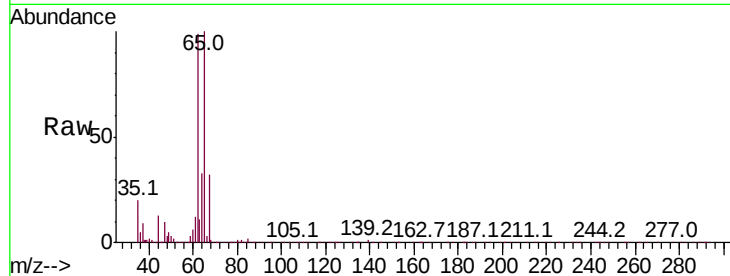
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 62 Resp: 227694

Ion Ratio Lower Upper

62 100

64 33.0 23.5 43.7



#6

Bromomethane

Concen: 4.512 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR025878.D

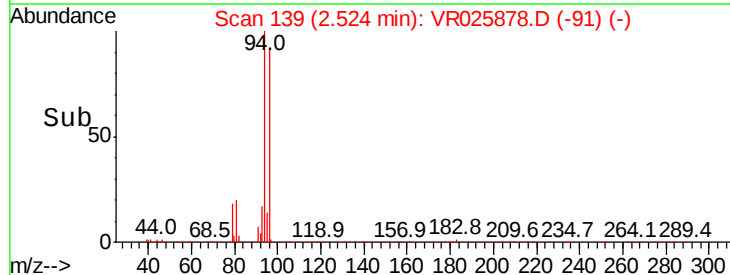
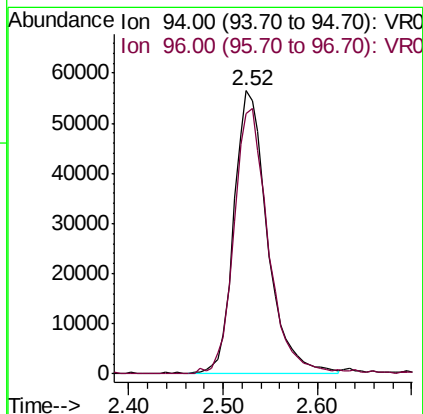
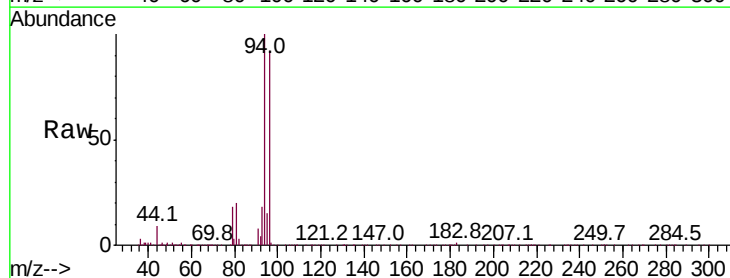
Acq: 27 Sep 2018 16:32

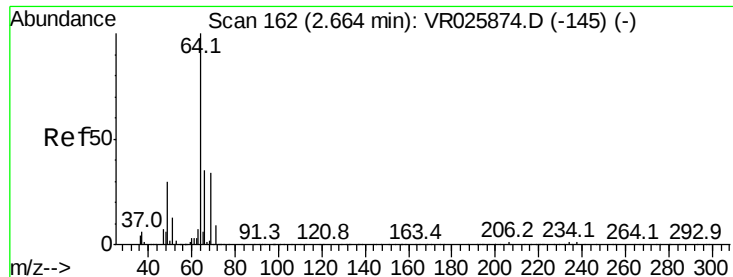
Tgt Ion: 94 Resp: 139529

Ion Ratio Lower Upper

94 100

96 92.0 66.1 122.8





#8

Chloroethane

Concen: 4.691 ug/L

RT: 2.66 min Scan# 162

Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

Instrument :

MSVOA_R

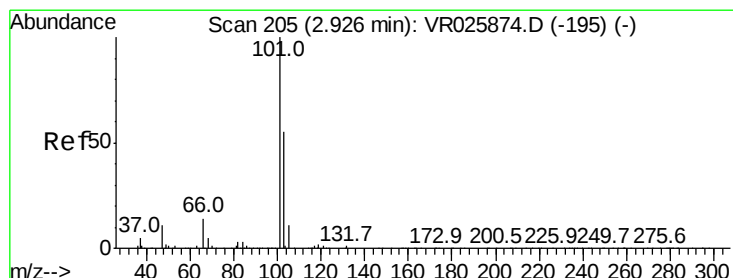
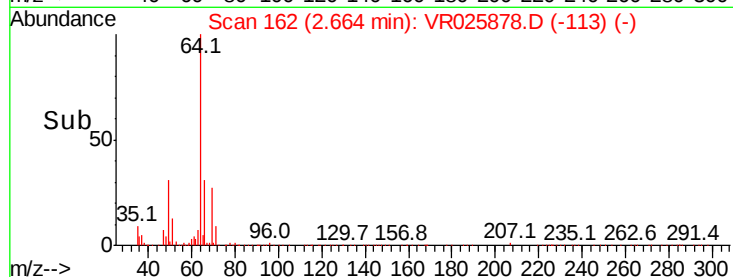
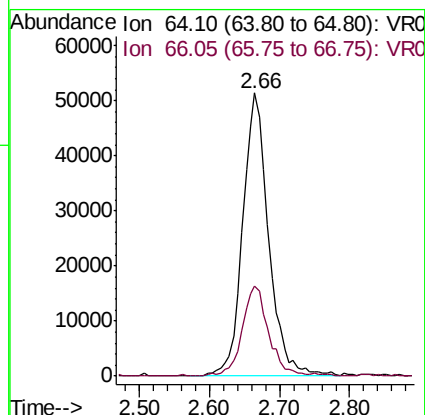
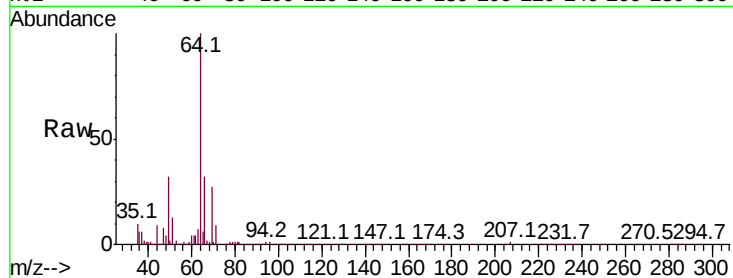
ClientSampleId :

Tot Ion: 64 Resp: 132195

Ion Ratio Lower Upper

64 100

66 31.8 21.3 39.5



#9

Trichlorofluoromethane

Concen: 1.488 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.00 min

Lab File: VR025878.D

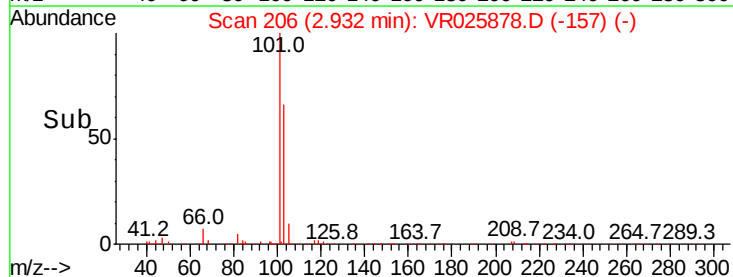
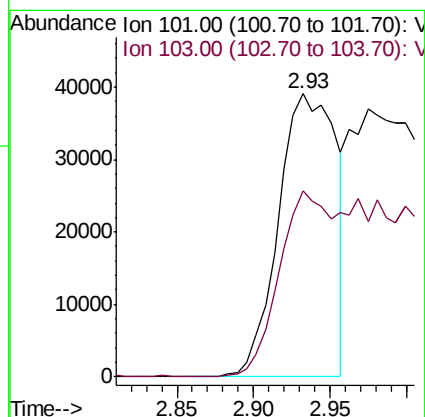
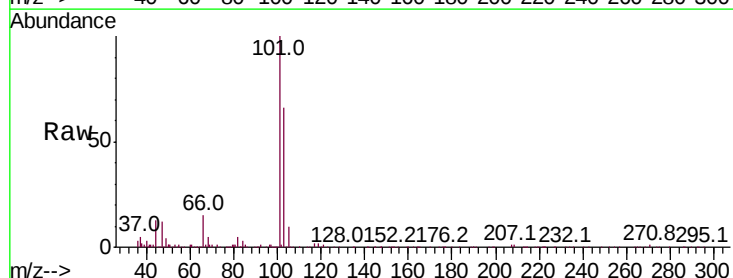
Acq: 27 Sep 2018 16:32

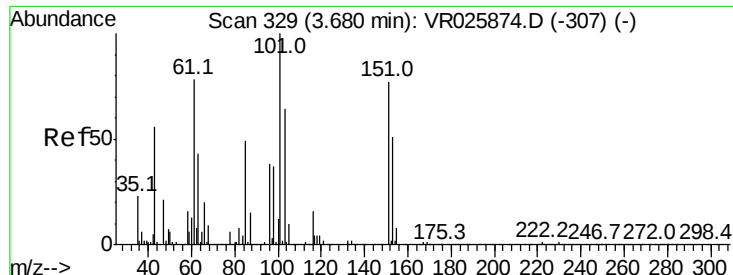
Tgt Ion: 101 Resp: 102338

Ion Ratio Lower Upper

101 100

103 56.4 22.1 33.1#





#10

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

Concen: 4.651 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

Instrument :

MSVOA_R

ClientSampleId :

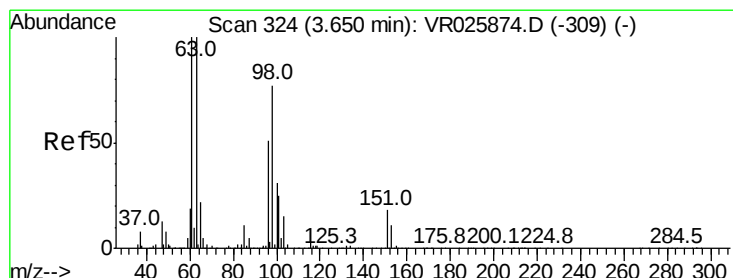
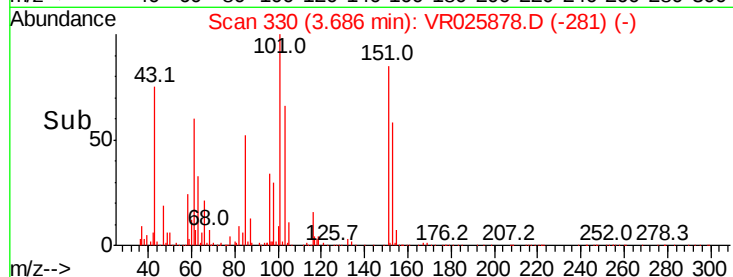
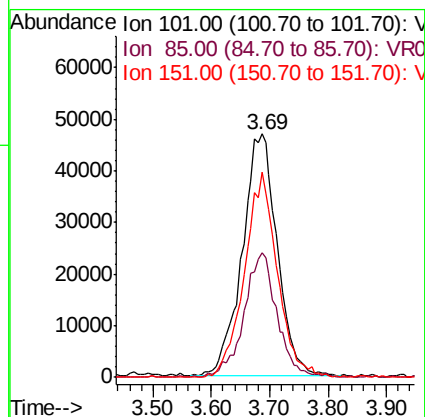
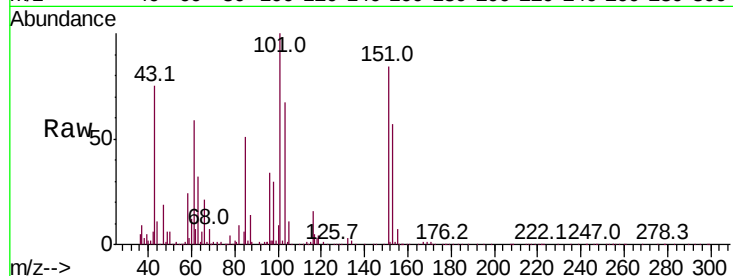
Tot Ion:101 Resp: 195503

Ion Ratio Lower Upper

101 100

85 47.8 38.2 57.4

151 79.5 58.4 87.6



#12

1,1-Dichloroethene

Concen: 4.662 ug/L

RT: 3.65 min Scan# 324

Delta R.T. -0.01 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

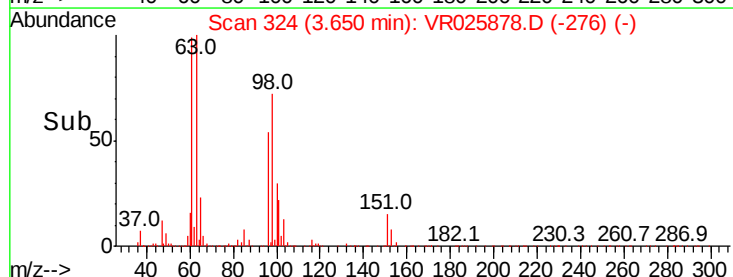
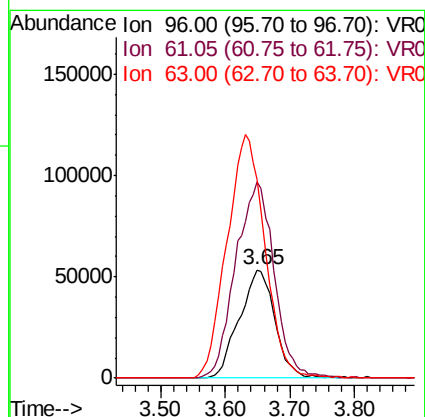
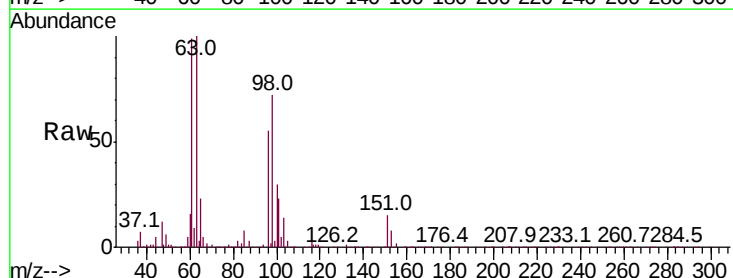
Tgt Ion: 96 Resp: 202610

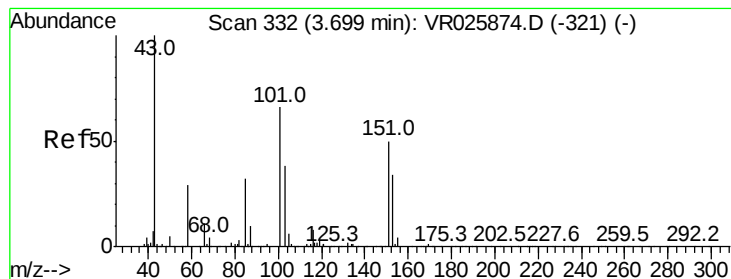
Ion Ratio Lower Upper

96 100

61 180.7 145.0 269.4

63 183.5 123.8 230.0





#13

Acetone

Concen: 43.900 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

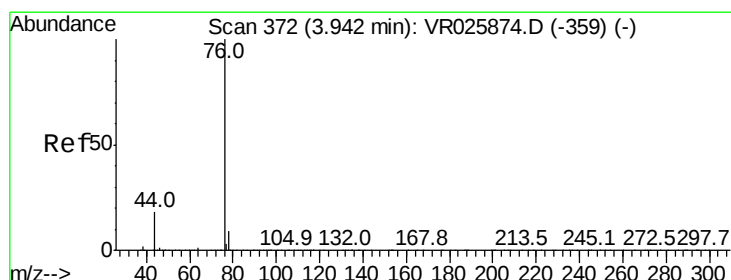
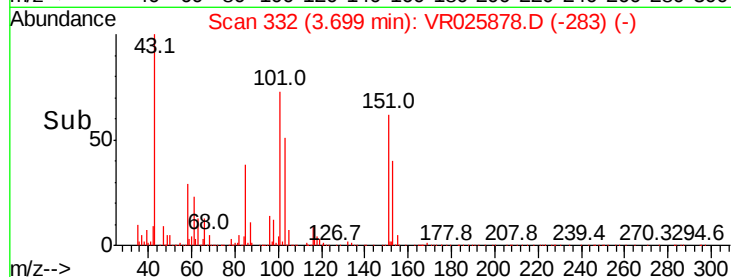
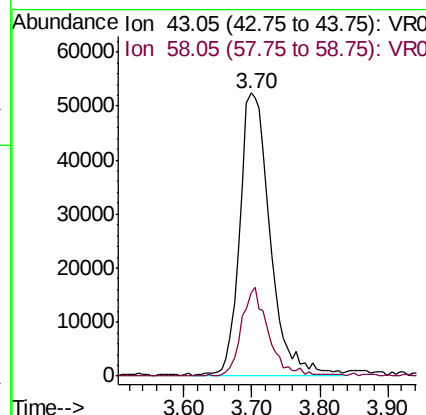
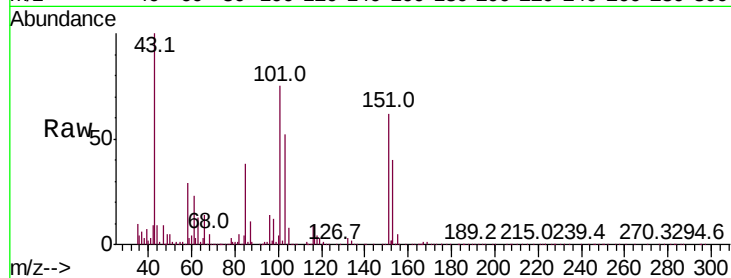
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 161050

Ion Ratio Lower Upper

43 100

58 27.2 0.0 51.4



#14

Carbon disulfide

Concen: 4.646 ug/L

RT: 3.96 min Scan# 375

Delta R.T. -0.00 min

Lab File: VR025878.D

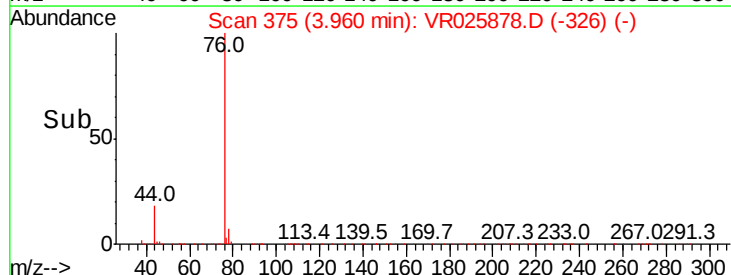
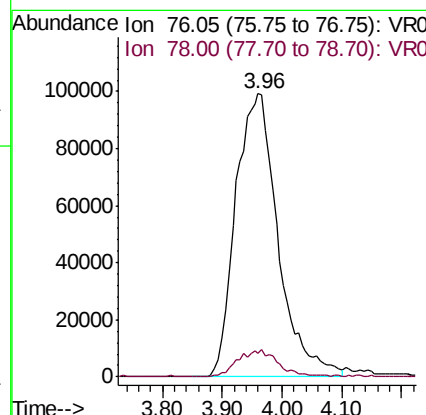
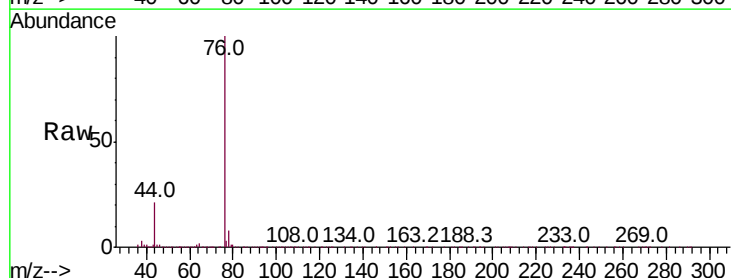
Acq: 27 Sep 2018 16:32

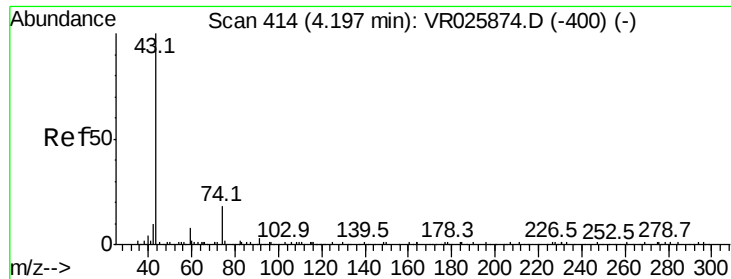
Tgt Ion: 76 Resp: 488805

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.6

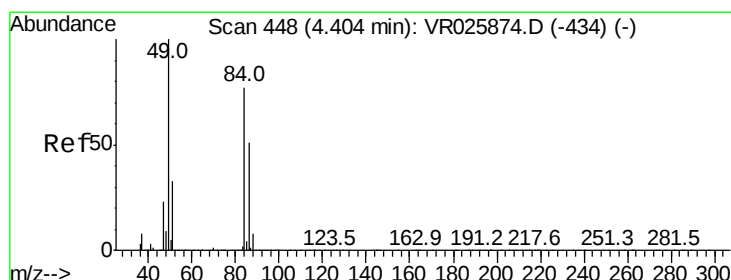
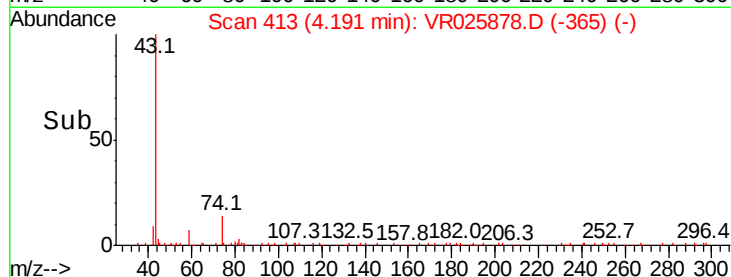
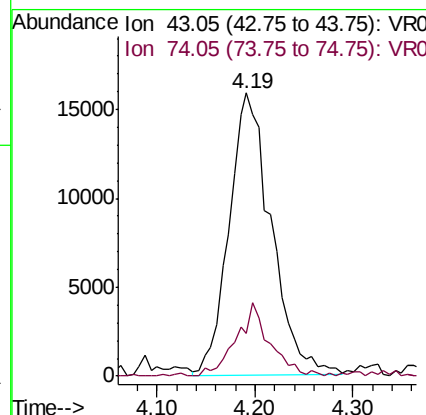
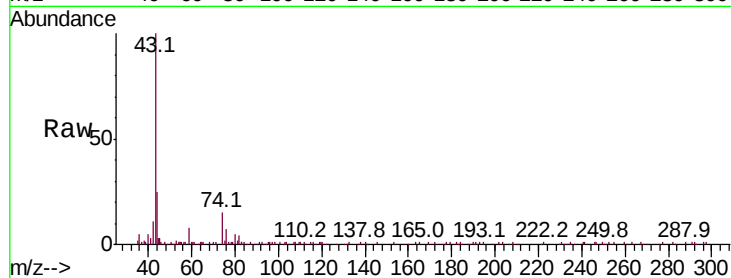




#15
Methyl Acetate
Concen: 4.636 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.01 min
Lab File: VR025878.D
Acq: 27 Sep 2018 16:32

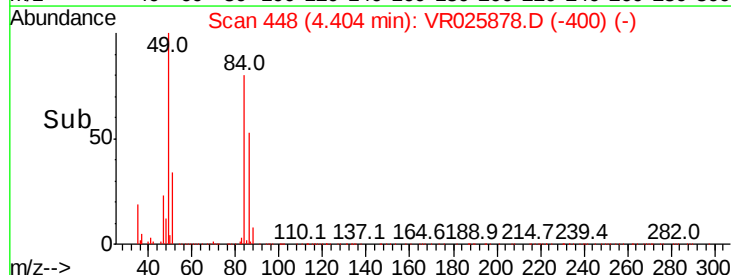
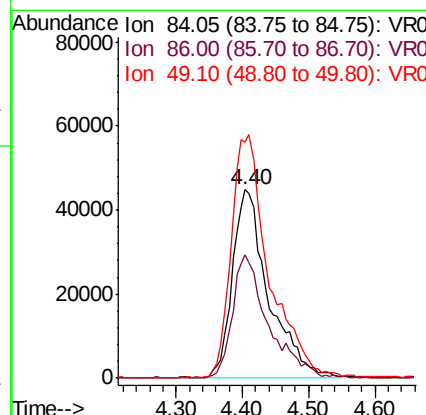
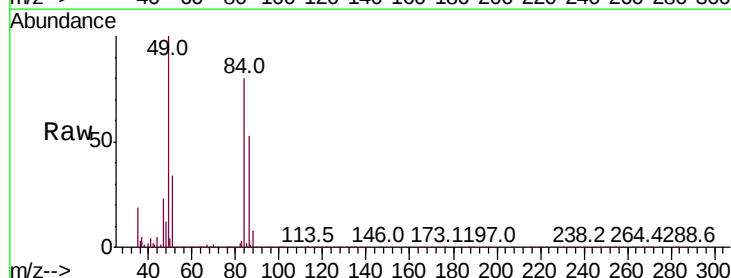
Instrument :
MSVOA_R
ClientSampleId :

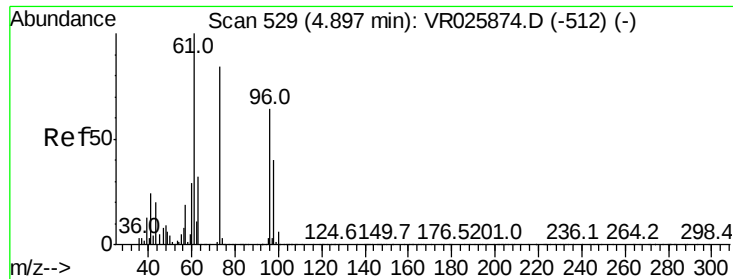
Tot Ion: 43 Resp: 47160
Ion Ratio Lower Upper
43 100
74 20.3 19.0 28.4



#16
Methylene chloride
Concen: 4.251 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.01 min
Lab File: VR025878.D
Acq: 27 Sep 2018 16:32

Tgt Ion: 84 Resp: 169890
Ion Ratio Lower Upper
84 100
86 65.8 43.1 80.1
49 125.4 95.5 177.3

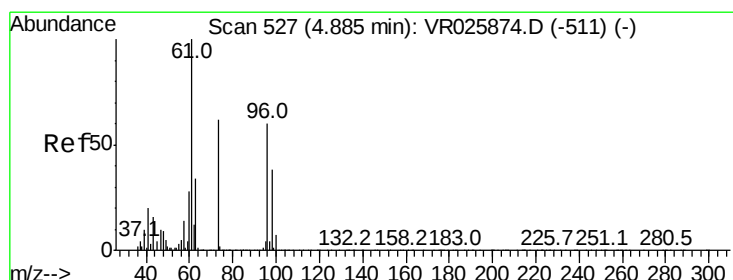
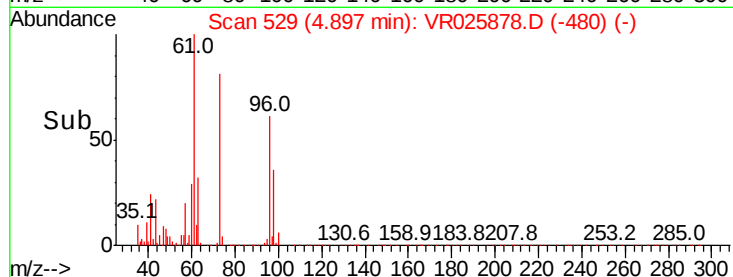
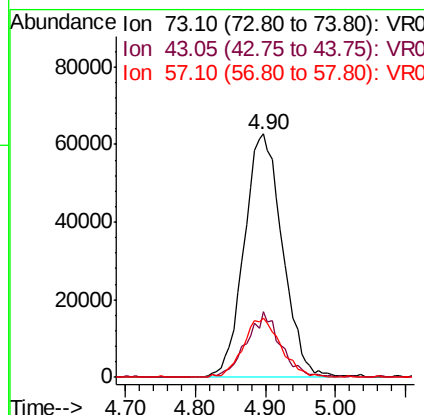
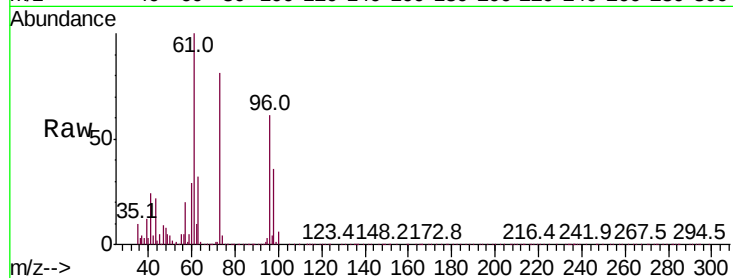




#17
Methvl tert-butvl Ether
Concen: 4.922 ug/L
RT: 4.90 min Scan# 529
Delta R.T. -0.00 min
Lab File: VR025878.D
Acq: 27 Sep 2018 16:32

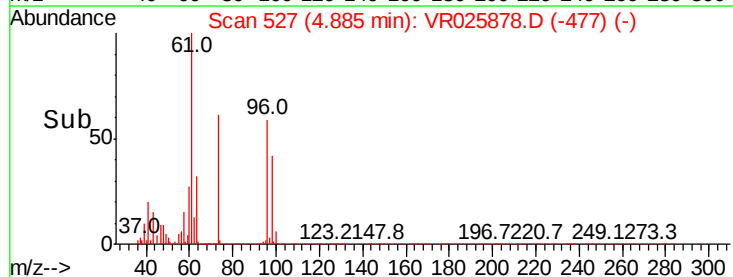
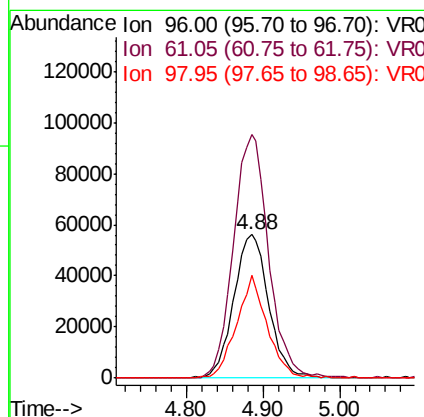
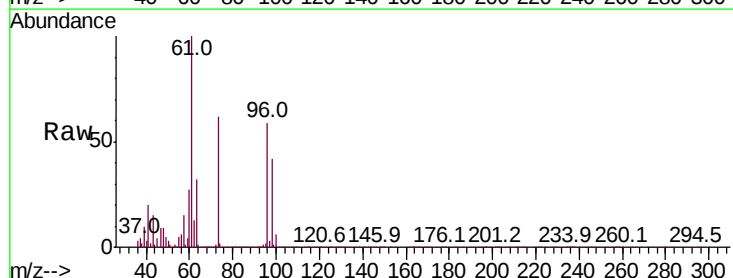
Instrument :
MSVOA_R
ClientSampleId :

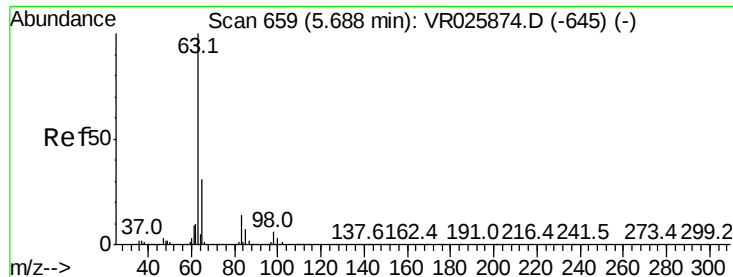
Tot Ion: 73 Resp: 236875
Ion Ratio Lower Upper
73 100
43 24.2 19.8 29.8
57 24.1 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.938 ug/L
RT: 4.88 min Scan# 527
Delta R.T. 0.01 min
Lab File: VR025878.D
Acq: 27 Sep 2018 16:32

Tgt Ion: 96 Resp: 177489
Ion Ratio Lower Upper
96 100
61 170.1 127.4 236.6
98 71.5 43.8 81.3

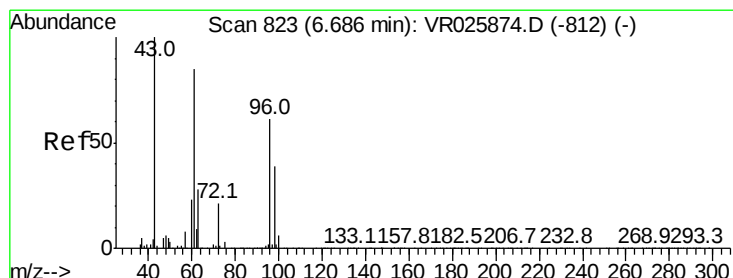
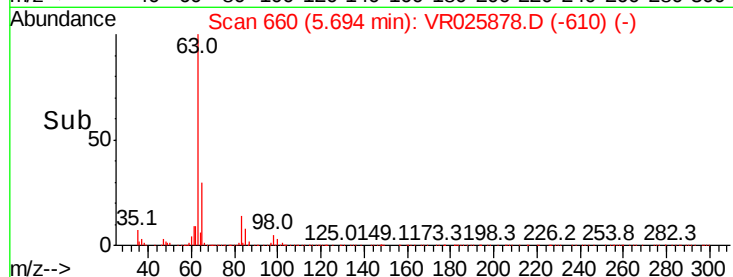
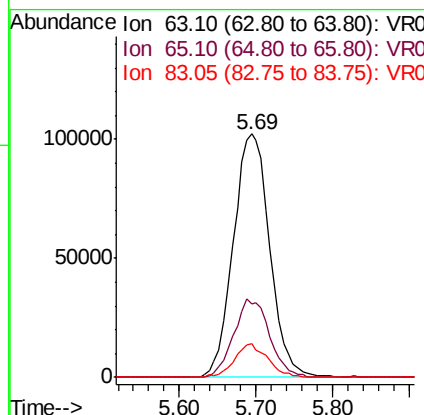
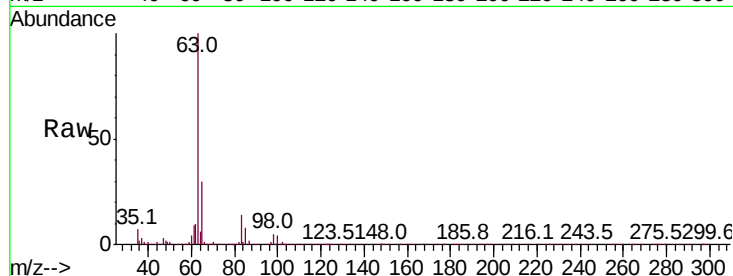




#19
 1,1-Dichloroethane
 Concen: 4.694 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VR025878.D
 Acq: 27 Sep 2018 16:32

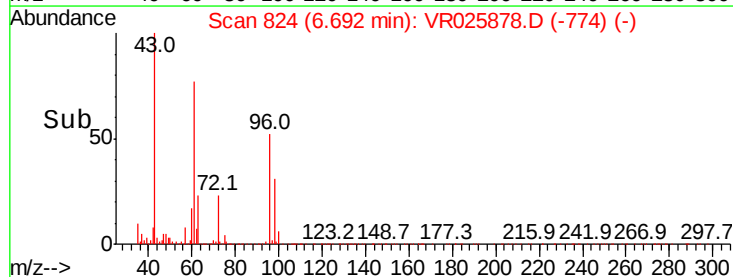
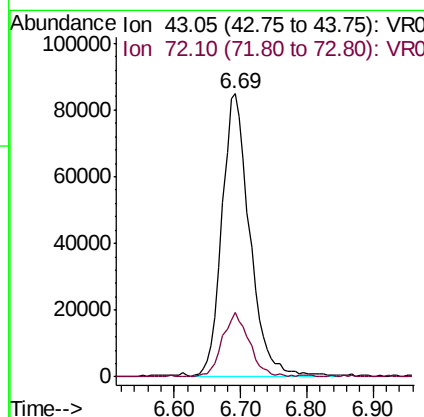
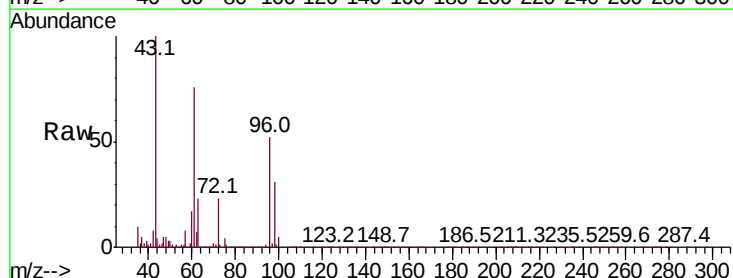
Instrument :
 MSVOA_R
 ClientSampleId :

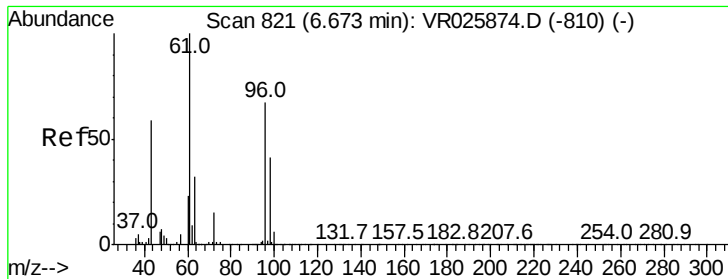
Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	21.1	39.1
83	13.8	8.9	16.5



#21
 2-Butanone
 Concen: 48.466 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VR025878.D
 Acq: 27 Sep 2018 16:32

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	11.9	35.7



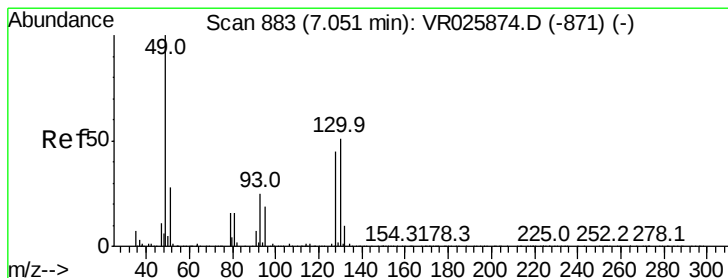
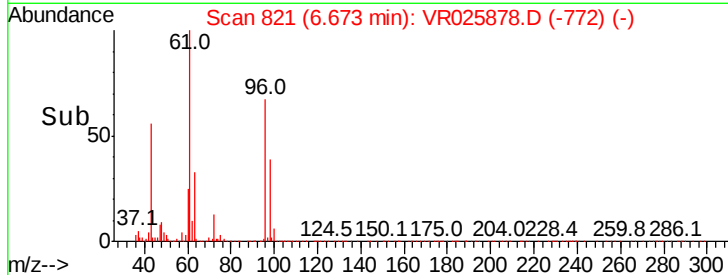
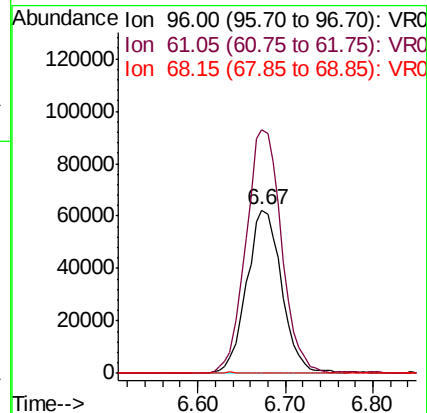
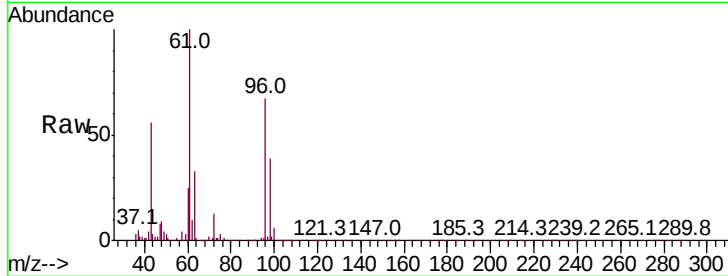


#22

cis-1,2-Dichloroethene
Concen: 4.757 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR025878.D
Acq: 27 Sep 2018 16:32

Instrument :
MSVOA_R
ClientSampleId :

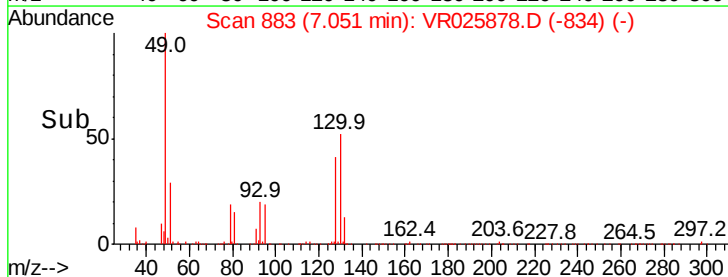
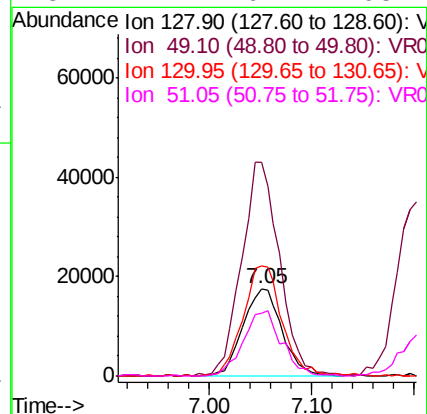
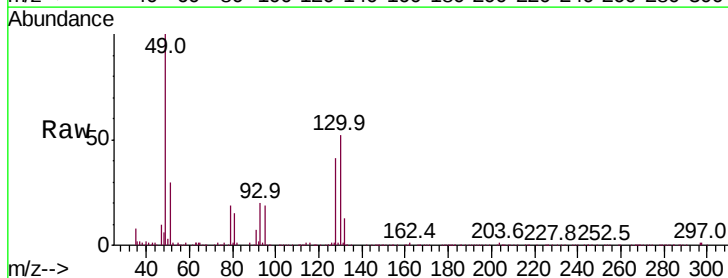
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.3	108.7	201.9
68	0.4	0.1	0.1#

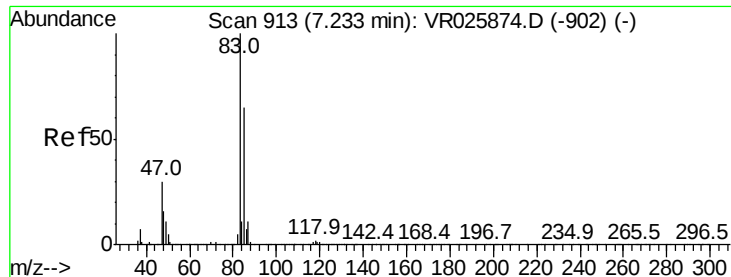


#23

Bromochloromethane
Concen: 4.752 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.00 min
Lab File: VR025878.D
Acq: 27 Sep 2018 16:32

Tgt Ion	Ratio	Lower	Upper
128	100		
49	243.8	175.0	325.0
130	126.0	85.6	159.0
51	72.2	62.2	93.2

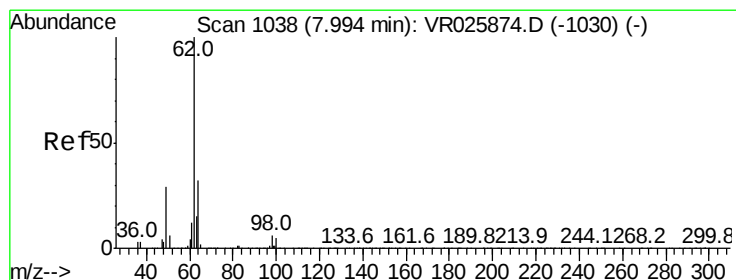
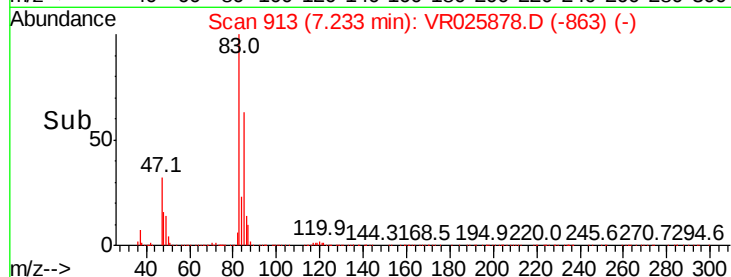
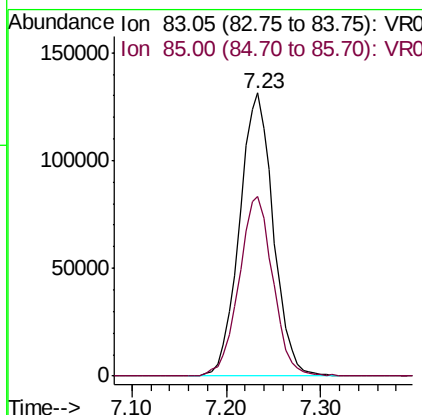
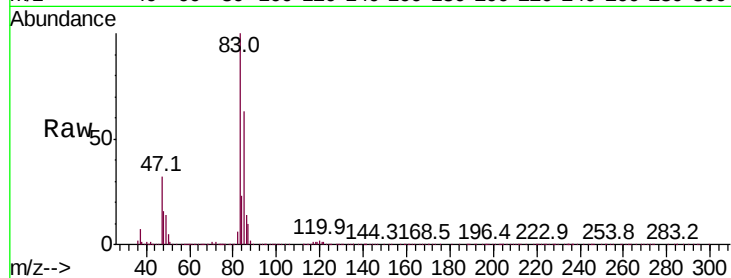




#25
Chloroform
Concen: 4.741 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR025878.D
Acq: 27 Sep 2018 16:32

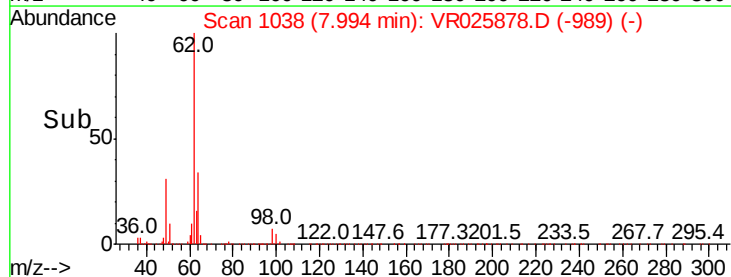
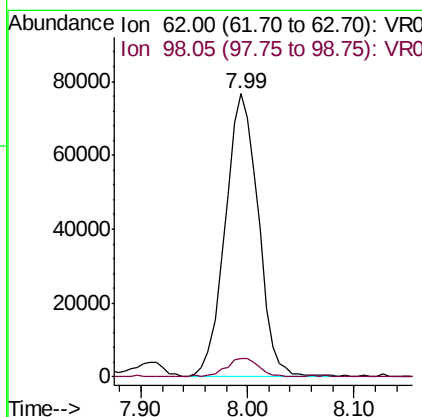
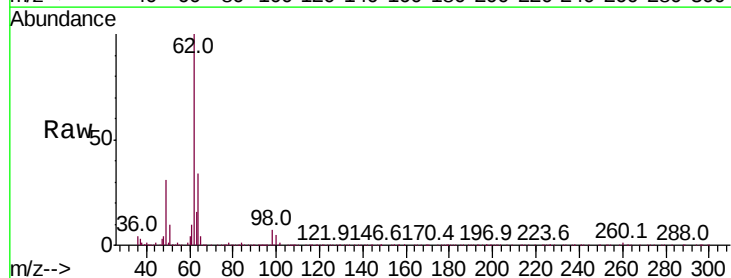
Instrument :
MSVOA_R
ClientSampleId :

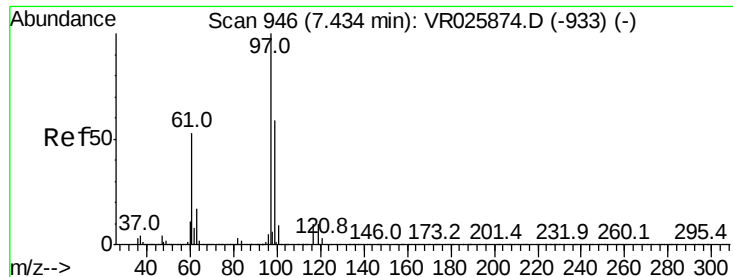
Tot Ion: 83 Resp: 328568
Ion Ratio Lower Upper
83 100
85 63.3 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.770 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR025878.D
Acq: 27 Sep 2018 16:32

Tgt Ion: 62 Resp: 164941
Ion Ratio Lower Upper
62 100
98 6.7 5.2 7.8

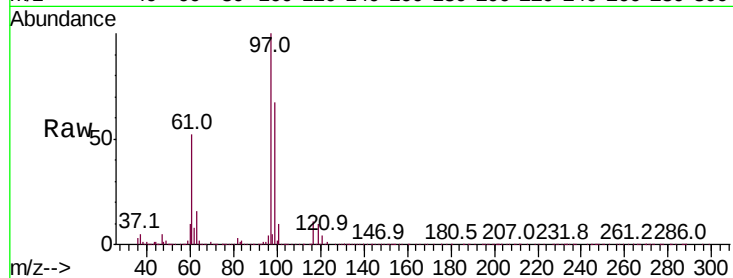




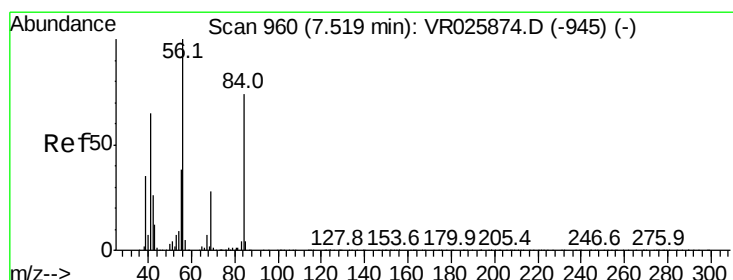
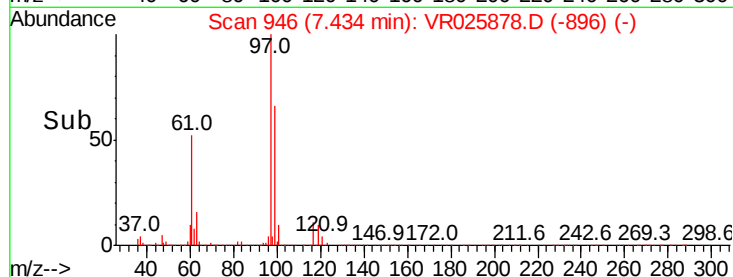
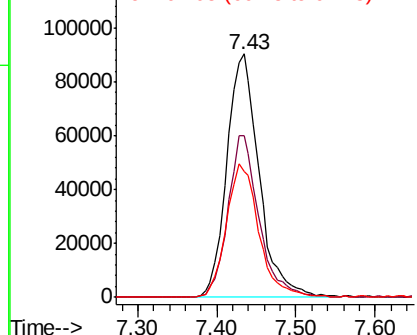
#29
1,1,1-Trichloroethane
Concen: 4.676 ug/L
RT: 7.43 min Scan# 946
Delta R.T. 0.01 min
Lab File: VR025878.D
Acq: 27 Sep 2018 16:32

Instrument :
MSVOA_R
ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	55.0	41.6	62.4

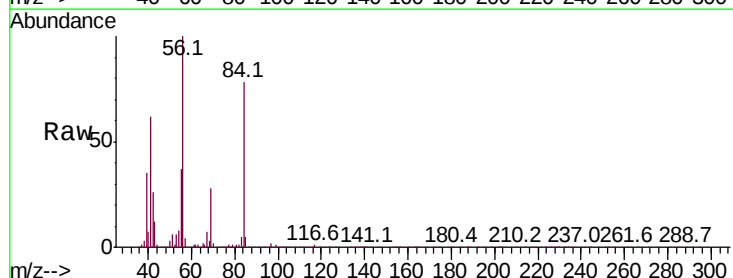


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

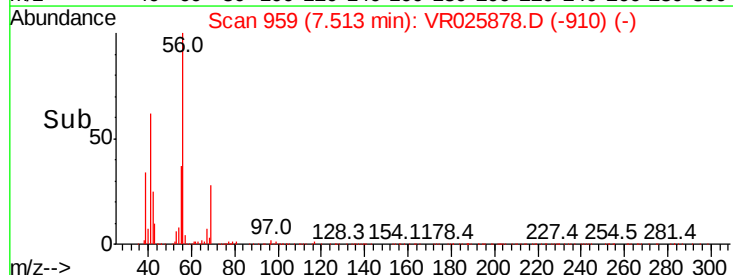
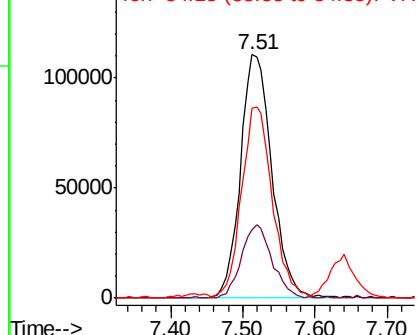


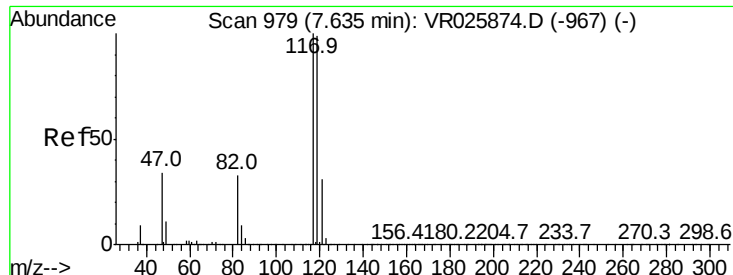
#30
Cyclohexane
Concen: 4.873 ug/L
RT: 7.51 min Scan# 959
Delta R.T. -0.00 min
Lab File: VR025878.D
Acq: 27 Sep 2018 16:32

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.8	37.2
84	76.9	59.8	89.8



Abundance Ion 56.10 (55.80 to 56.80): VR0
Ion 69.15 (68.85 to 69.85): VR0
Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 5.022 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

Instrument :

MSVOA_R

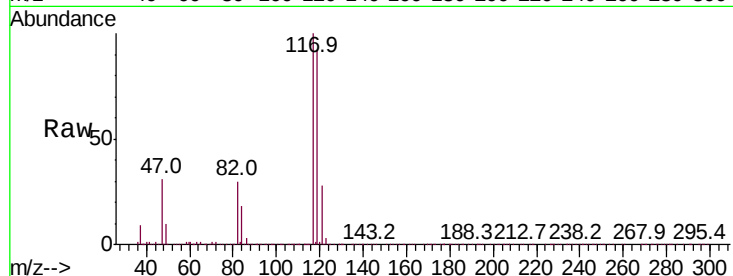
ClientSampleId :

Tot Ion:117 Resp: 238551

Ion Ratio Lower Upper

117 100

119 93.6 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

100000

80000

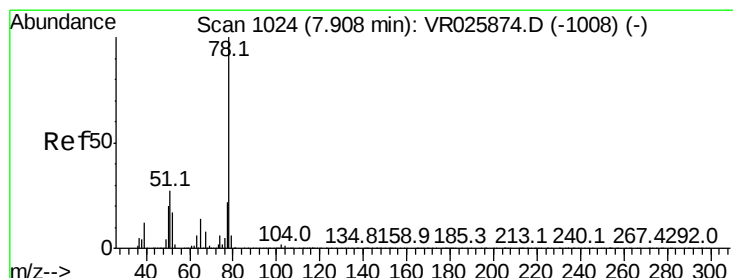
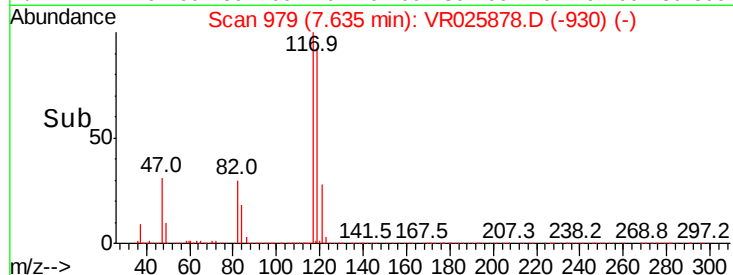
60000

40000

20000

0

Time-->



#33

Benzene

Concen: 4.690 ug/L

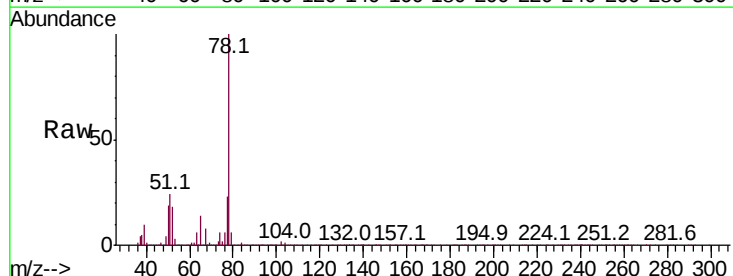
RT: 7.91 min Scan# 1024

Delta R.T. 0.01 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

Tgt Ion: 78 Resp: 767396



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

400000

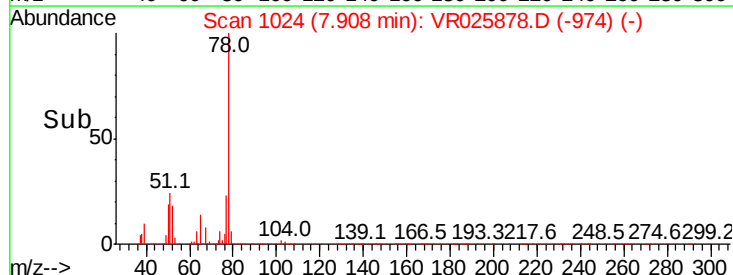
300000

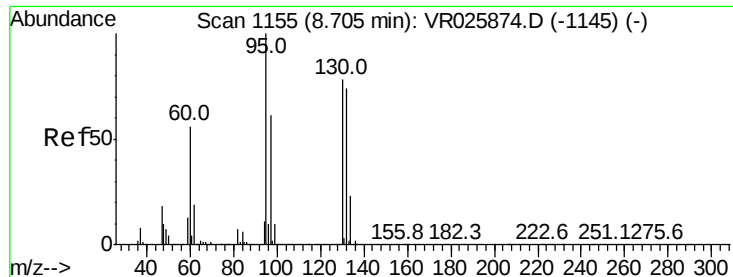
200000

100000

0

Time-->

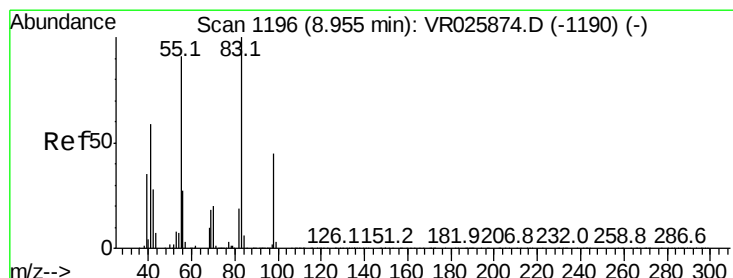
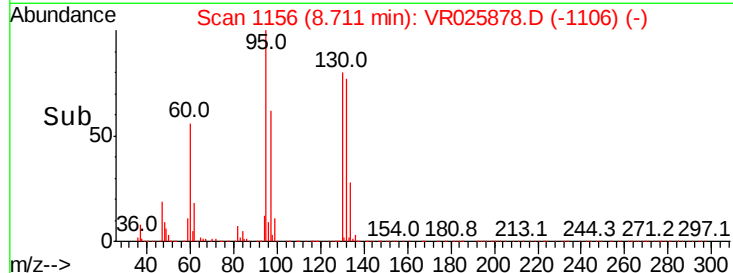
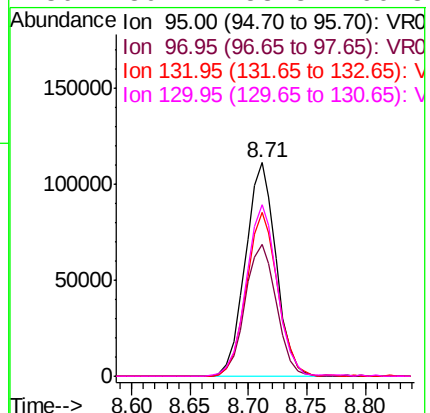
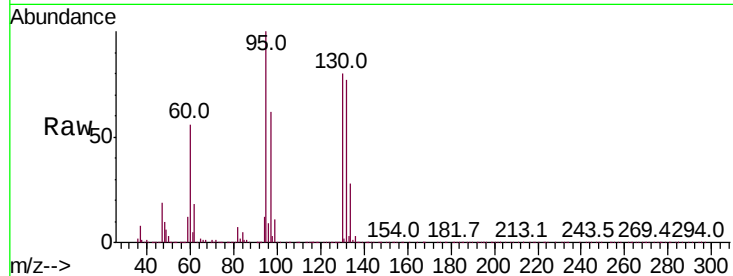




#34
 Trichloroethene
 Concen: 4.700 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VR025878.D
 Acq: 27 Sep 2018 16:32

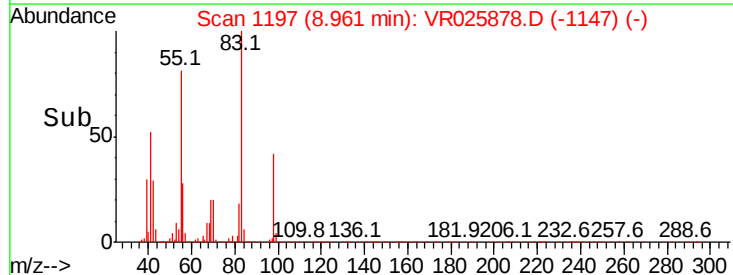
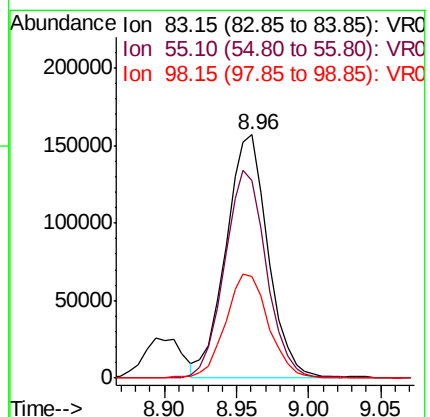
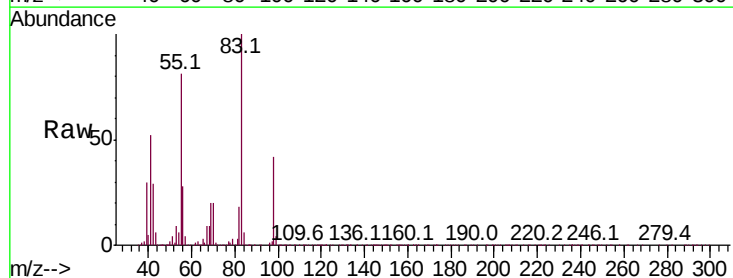
Instrument :
 MSVOA_R
 ClientSampleId :

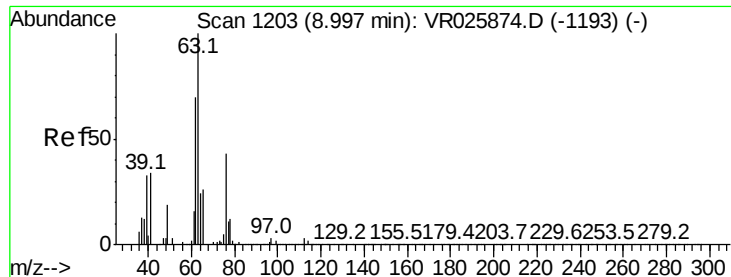
Tot Ion:	95	Resp:	202617
Ion	Ratio	Lower	Upper
95	100		
97	61.8	43.9	81.5
132	76.6	53.3	98.9
130	80.1	53.8	99.8



#35
 Methylcyclohexane
 Concen: 4.897 ug/L
 RT: 8.96 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VR025878.D
 Acq: 27 Sep 2018 16:32

Tgt Ion:	83	Resp:	317412
Ion	Ratio	Lower	Upper
83	100		
55	85.7	71.8	107.6
98	43.9	34.2	51.4





#37

1,2-Dichloropropane

Concen: 4.806 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.01 min

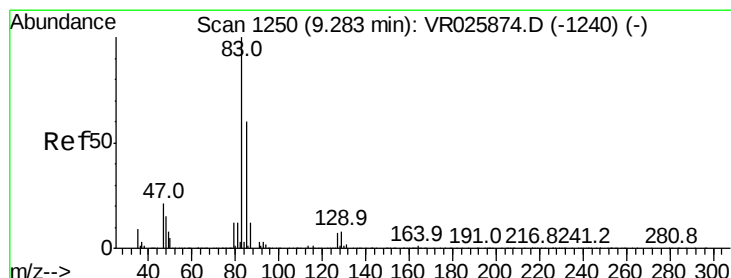
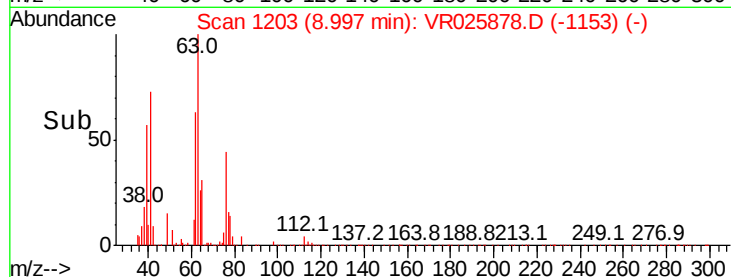
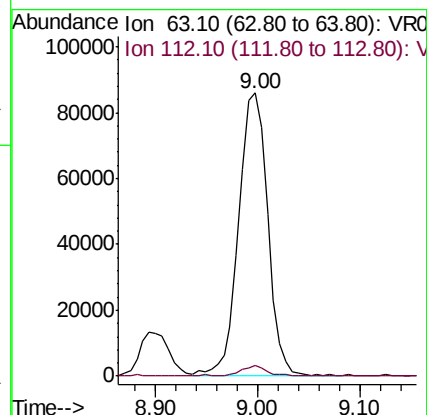
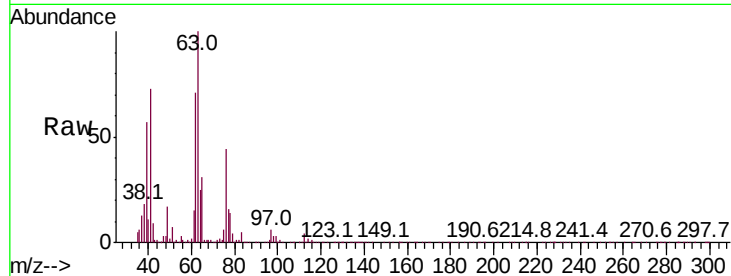
Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 168685

Ion	Ratio	Lower	Upper
63	100		
112	3.3	2.5	3.7



#38

Bromodichloromethane

Concen: 4.731 ug/L

RT: 9.28 min Scan# 1250

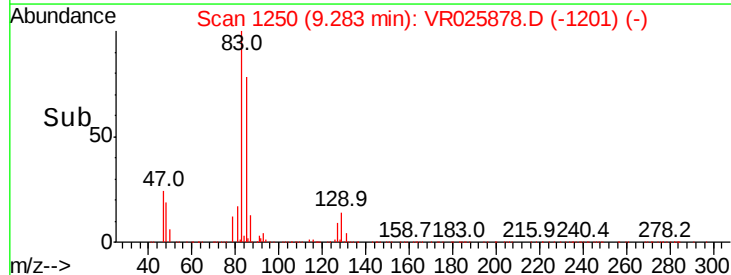
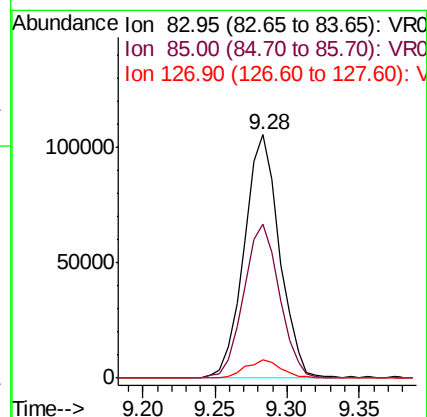
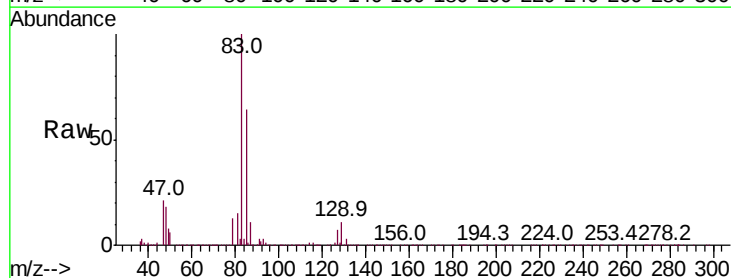
Delta R.T. -0.00 min

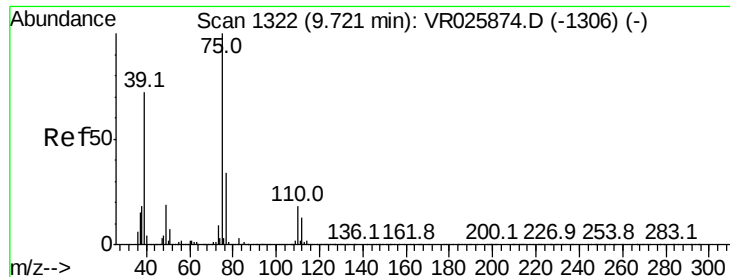
Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

Tgt Ion: 83 Resp: 179166

Ion	Ratio	Lower	Upper
83	100		
85	63.5	42.8	79.4
127	7.3	5.6	8.4





#39

cis-1,3-Dichloropropene

Concen: 4.786 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

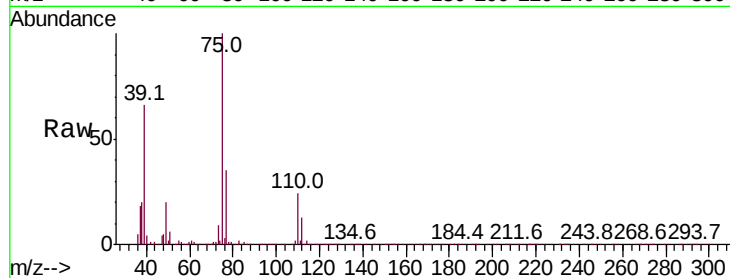
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 75 Resp: 188357

Ion Ratio Lower Upper

75 100

77 35.1 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

9.72

120000

100000

80000

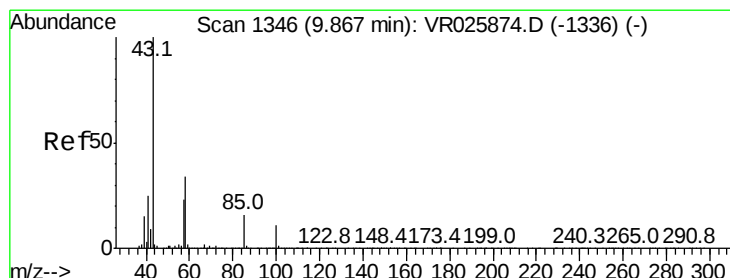
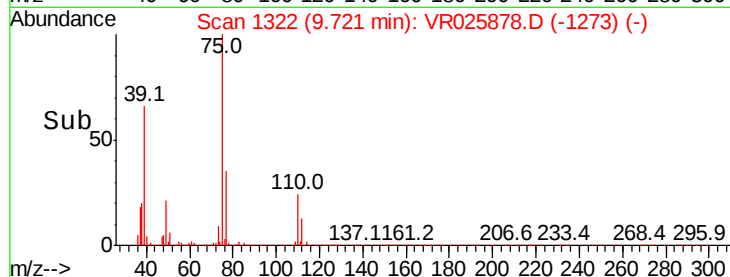
60000

40000

20000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 48.432 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

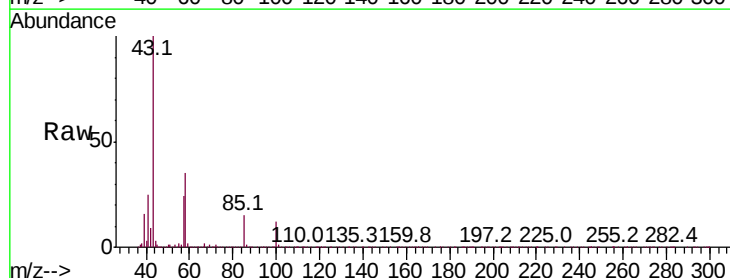
Tgt Ion: 43 Resp: 597738

Ion Ratio Lower Upper

43 100

58 34.6 28.6 43.0

100 11.3 9.0 13.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

9.87

500000

400000

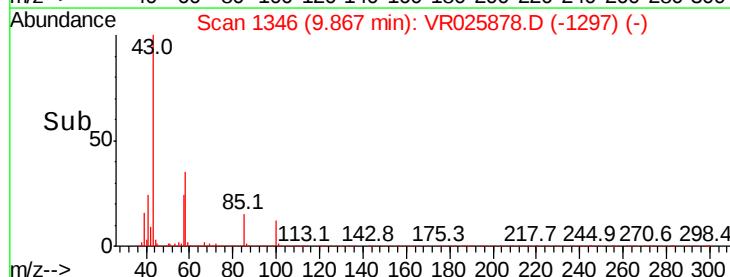
300000

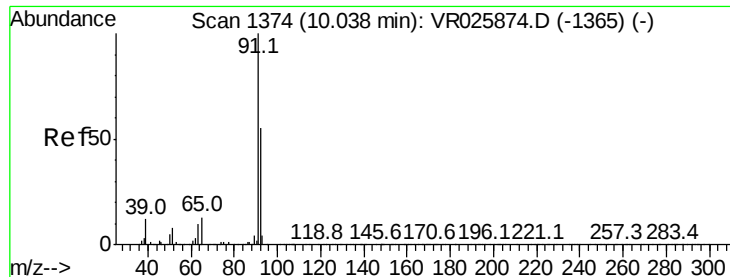
200000

100000

0

Time-->





#42

Toluene

Concen: 4.760 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

Instrument :

MSVOA_R

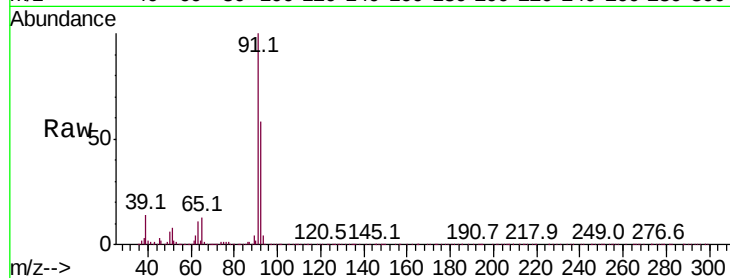
ClientSampled :

Tot Ion: 91 Resp: 809214

Ion Ratio Lower Upper

91 100

92 57.7 41.8 77.6



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0

10.04

500000

400000

300000

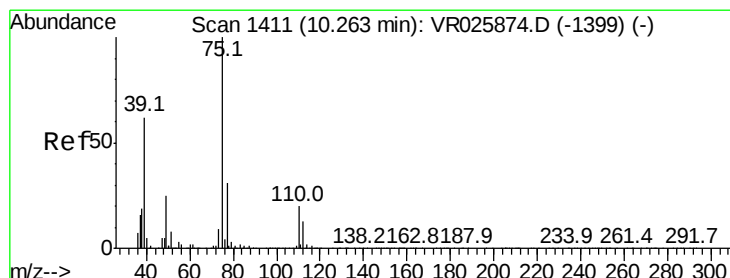
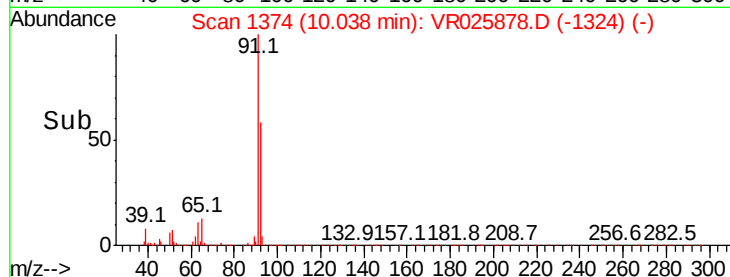
200000

100000

0

Time-->

10.00 10.10



#44

trans-1,3-Dichloropropene

Concen: 4.975 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025878.D

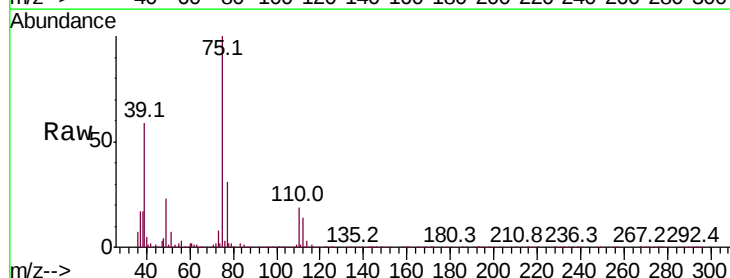
Acq: 27 Sep 2018 16:32

Tgt Ion: 75 Resp: 127826

Ion Ratio Lower Upper

75 100

77 31.2 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

10.26

80000

60000

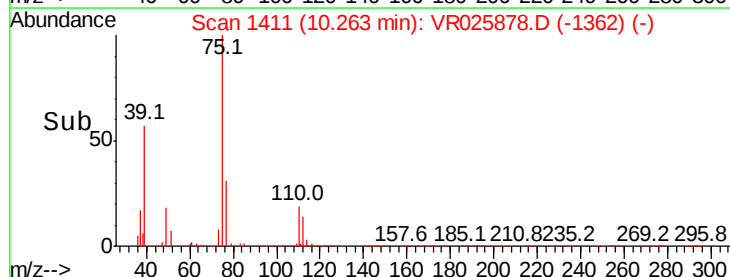
40000

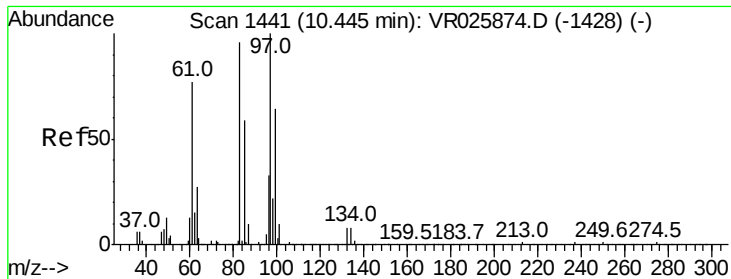
20000

0

Time-->

10.20 10.30

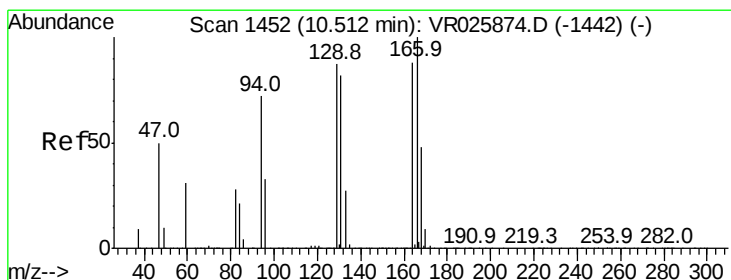
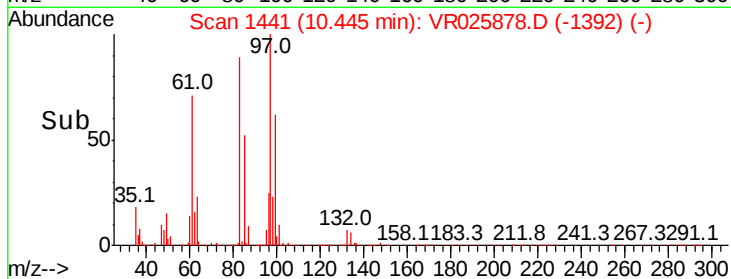
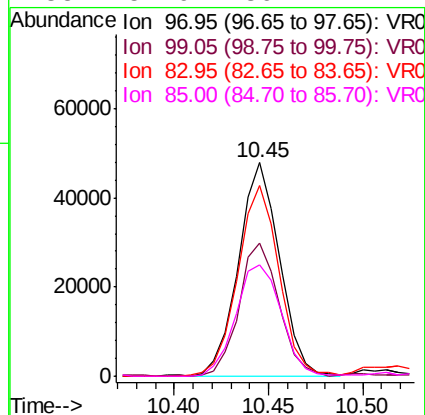
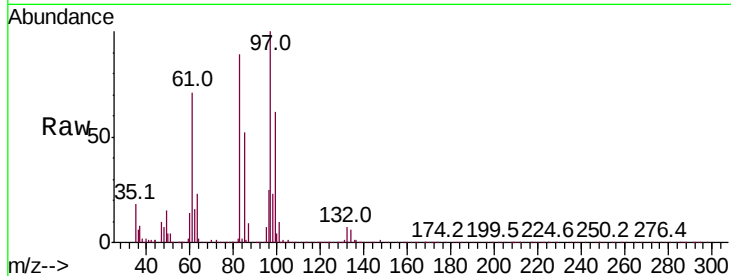




#45
 1,1,2-Trichloroethane
 Concen: 4.533 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR025878.D
 Acq: 27 Sep 2018 16:32

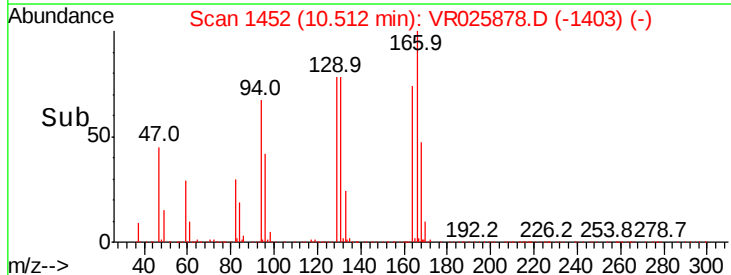
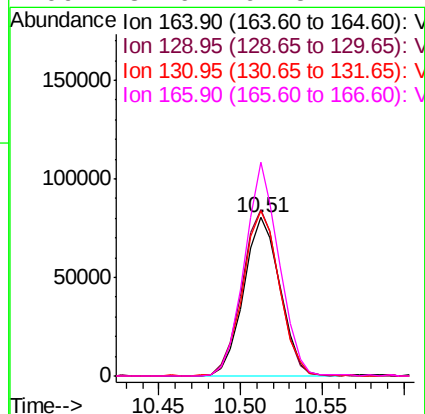
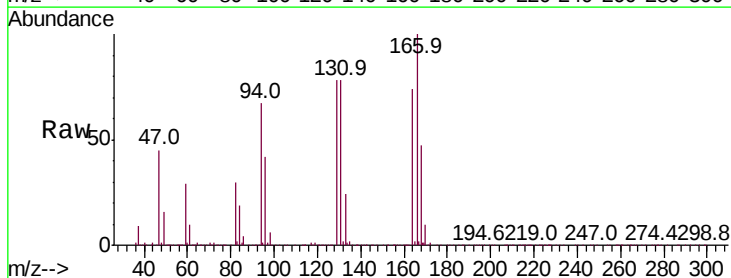
Instrument :
 MSVOA_R
 ClientSampleId :

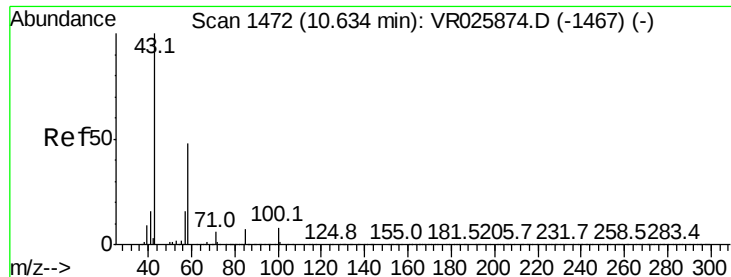
Tot Ion:	97	Resp:	71967
Ion	Ratio	Lower	Upper
97	100		
99	62.5	39.6	73.6
83	89.3	62.2	115.6
85	51.9	39.1	72.7



#47
 Tetrachloroethene
 Concen: 4.695 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR025878.D
 Acq: 27 Sep 2018 16:32

Tgt Ion:	164	Resp:	124714
Ion	Ratio	Lower	Upper
164	100		
129	105.2	80.8	150.2
131	104.5	74.5	138.3
166	134.6	92.5	171.7

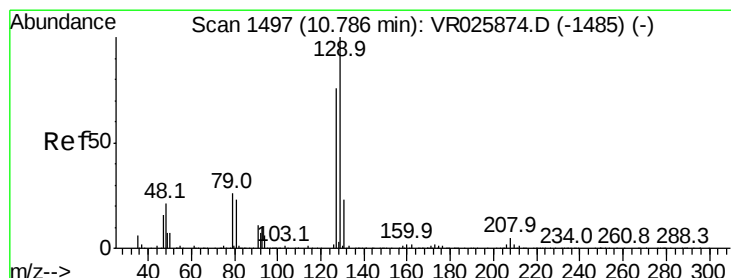
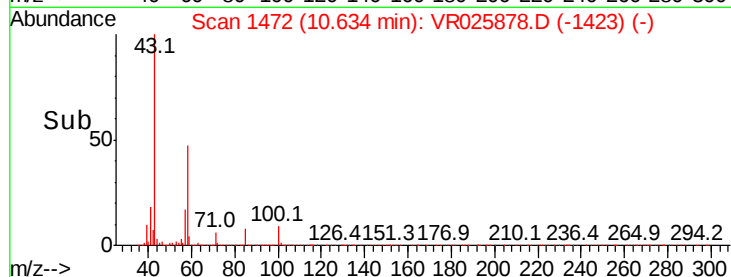
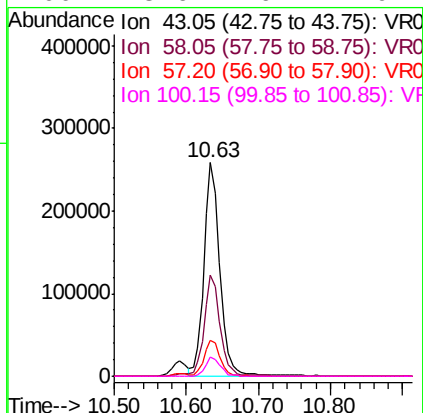
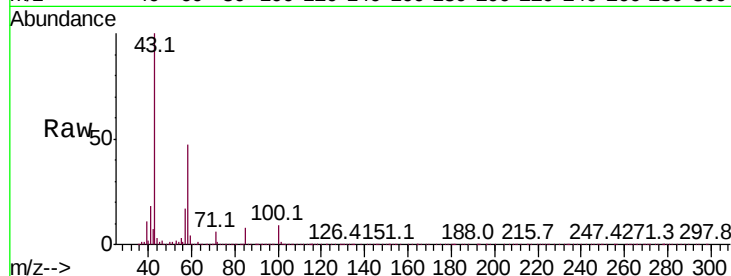




#48
2-Hexanone
Concen: 49.378 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025878.D
Acq: 27 Sep 2018 16:32

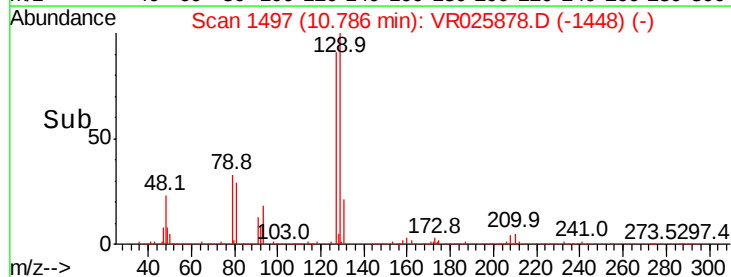
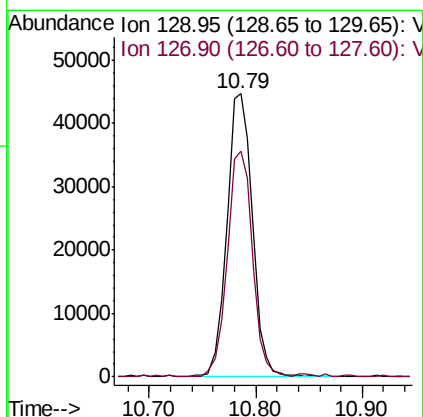
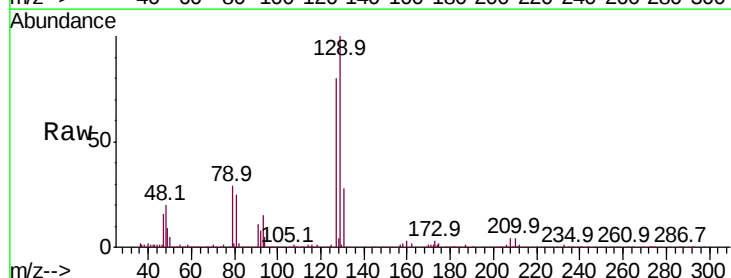
Instrument :
MSVOA_R
ClientSampleId :

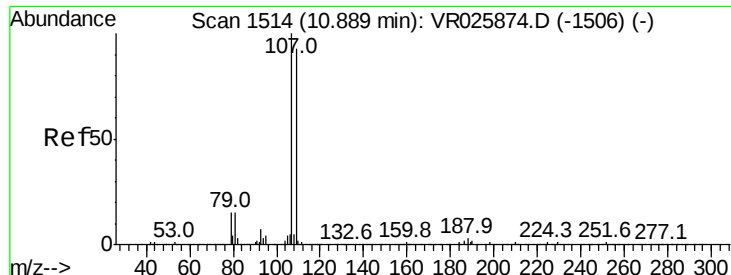
Tot Ion:	43	Resp:	399000
Ion	Ratio	Lower	Upper
43	100		
58	48.0	39.5	59.3
57	16.7	14.6	21.8
100	8.6	6.7	10.1



#49
Dibromochloromethane
Concen: 4.604 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025878.D
Acq: 27 Sep 2018 16:32

Tgt Ion:	129	Resp:	74184
Ion	Ratio	Lower	Upper
129	100		
127	80.0	54.1	100.5





#50

1,2-Dibromoethane

Concen: 5.094 ug/L

RT: 10.89 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VR025878.D

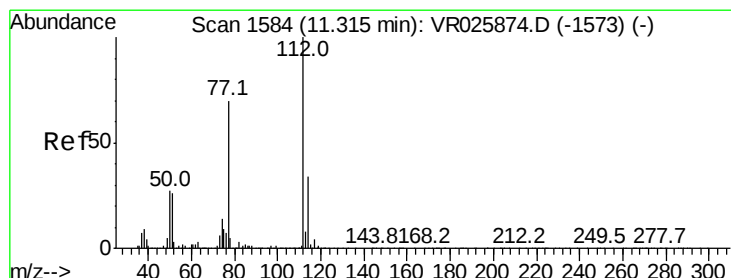
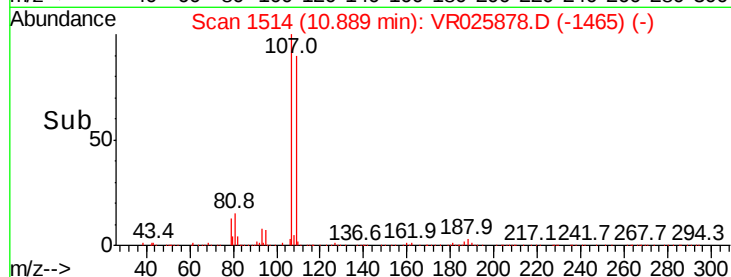
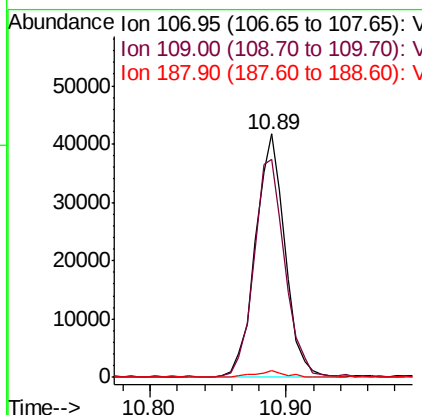
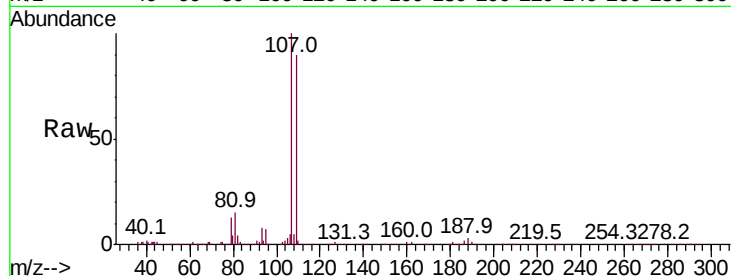
Acq: 27 Sep 2018 16:32

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:	107	Resp:	63812
Ion	Ratio	Lower	Upper
107	100		
109	89.7	63.5	117.9
188	2.9	1.7	2.5#



#51

Chlorobenzene

Concen: 4.799 ug/L

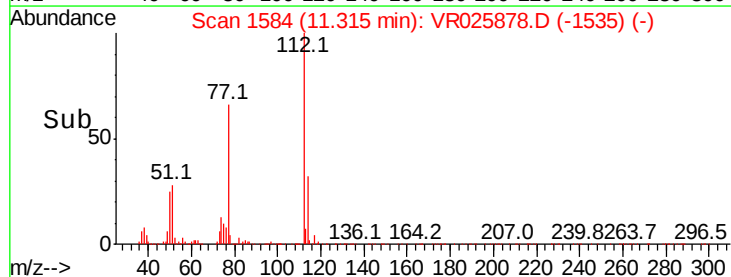
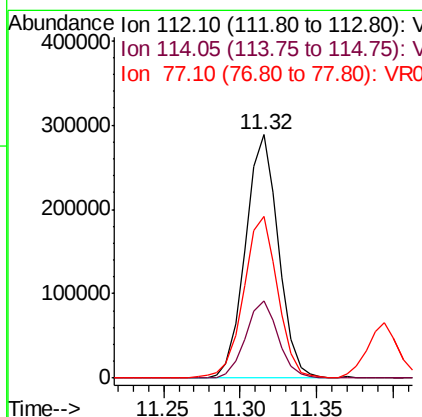
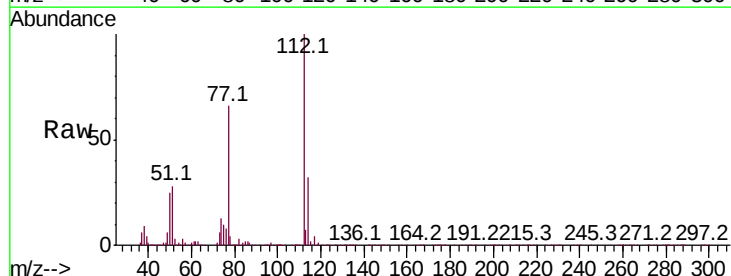
RT: 11.32 min Scan# 1584

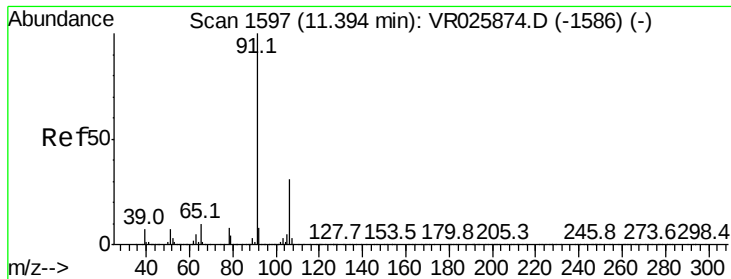
Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

Tgt Ion:	112	Resp:	432752
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.7	42.3
77	66.2	58.5	87.7





#52

Ethylbenzene

Concen: 4.848 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

Instrument :

MSVOA_R

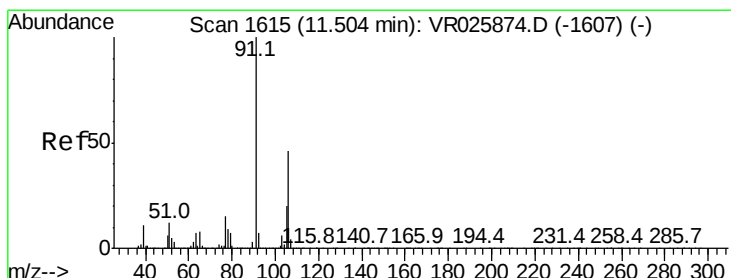
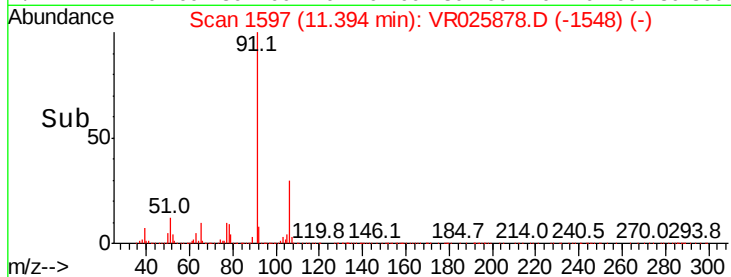
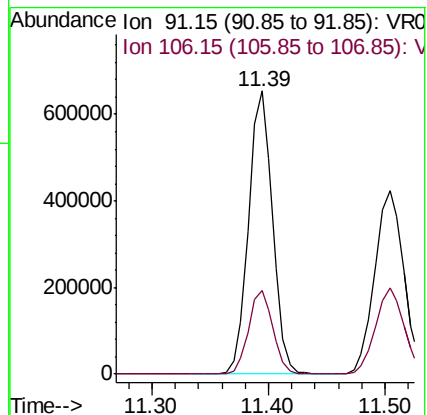
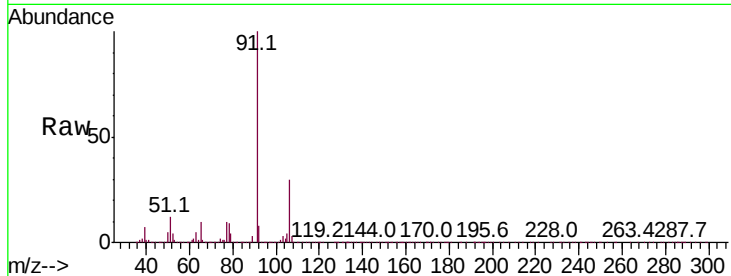
ClientSampled :

Tot Ion: 91 Resp: 940753

Ion Ratio Lower Upper

91 100

106 29.7 20.6 38.4



#53

m,p-Xylene

Concen: 4.882 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025878.D

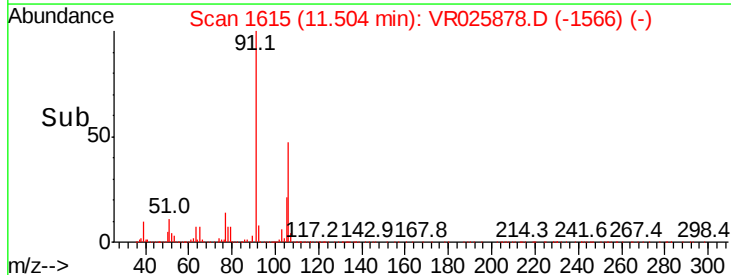
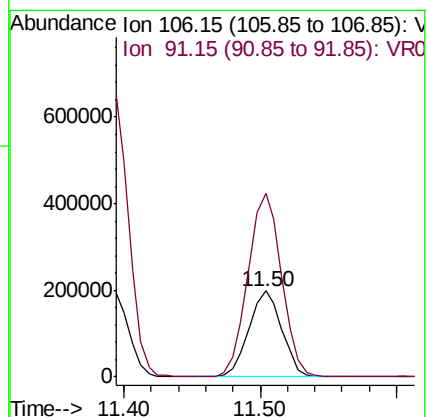
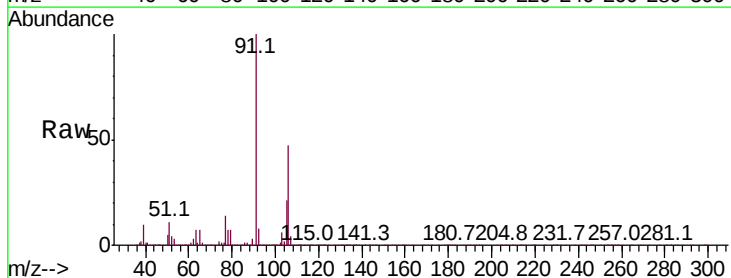
Acq: 27 Sep 2018 16:32

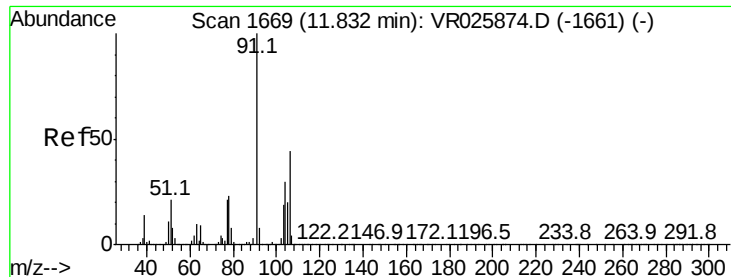
Tgt Ion: 106 Resp: 337215

Ion Ratio Lower Upper

106 100

91 213.5 159.7 296.5





#54

o-Xylene

Concen: 4.809 ug/L

RT: 11.83 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

Instrument :

MSVOA_R

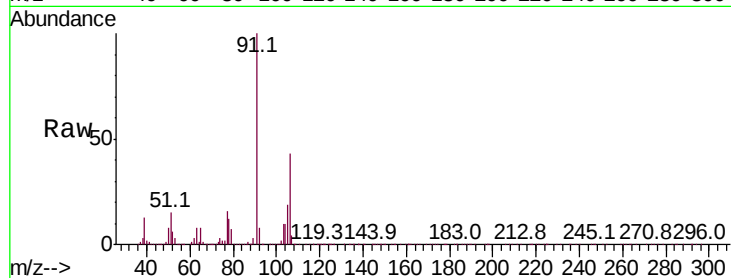
ClientSampled :

Tot Ion:106 Resp: 309213

Ion Ratio Lower Upper

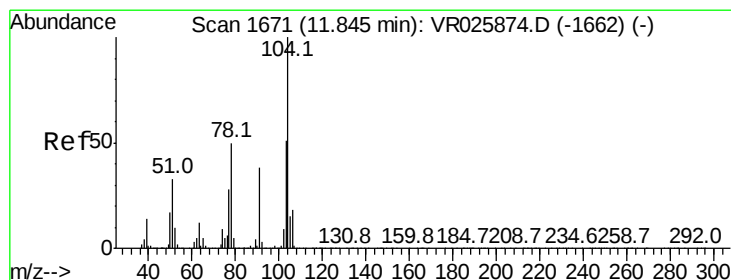
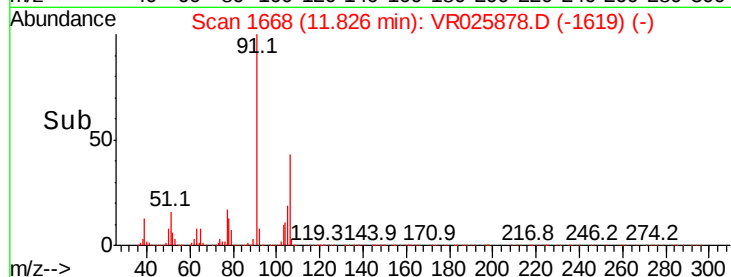
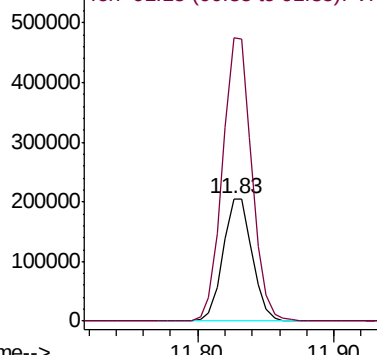
106 100

91 231.7 164.5 305.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 4.826 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VR025878.D

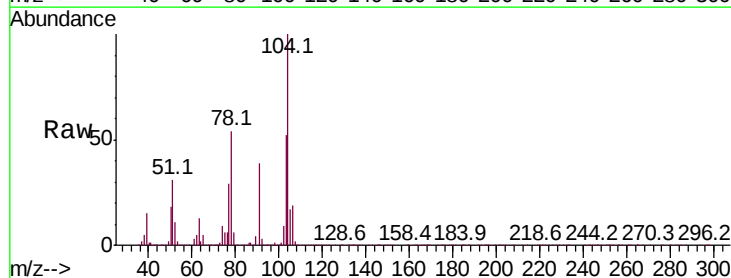
Acq: 27 Sep 2018 16:32

Tgt Ion:104 Resp: 483006

Ion Ratio Lower Upper

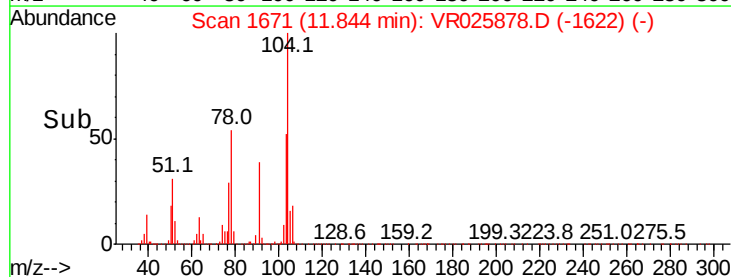
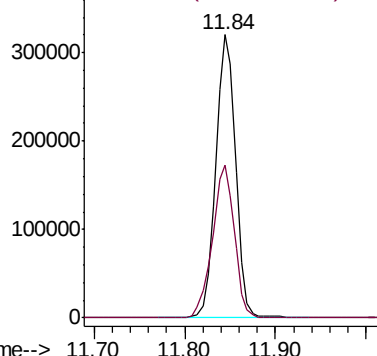
104 100

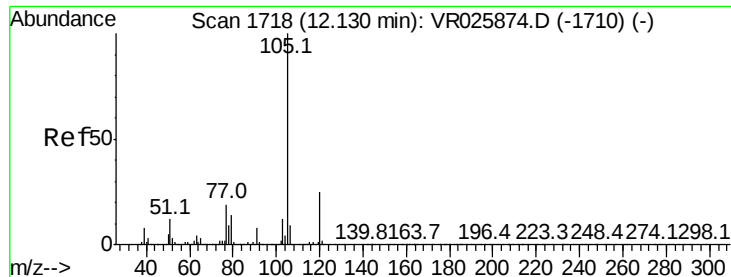
78 54.1 39.3 72.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 4.928 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

Instrument :

MSVOA_R

ClientSampled :

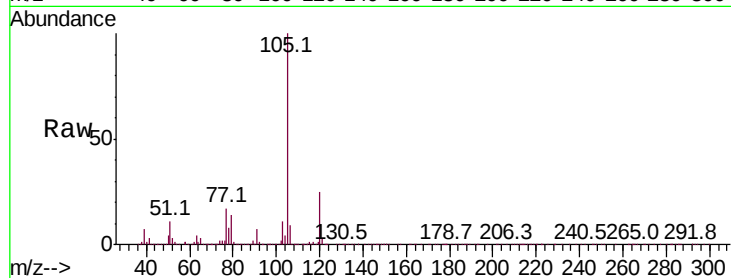
Tot Ion:105 Resp: 873949

Ion Ratio Lower Upper

105 100

120 25.2 19.8 29.8

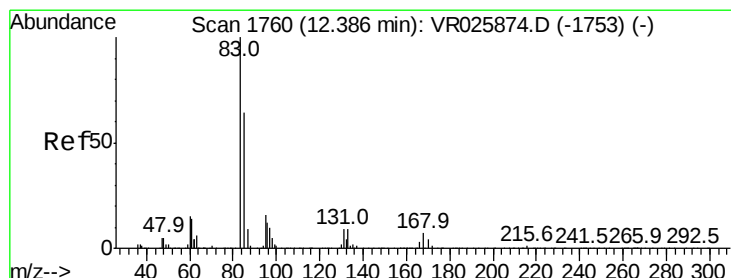
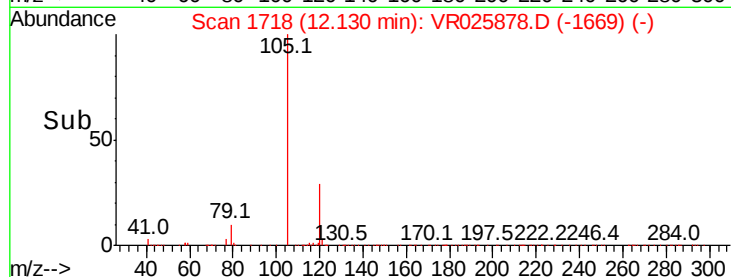
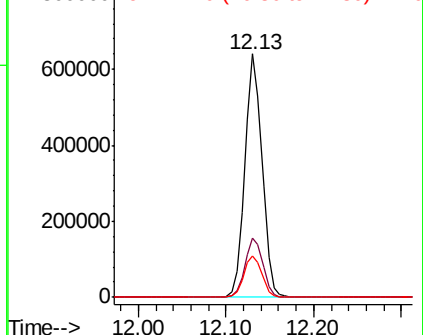
77 17.6 15.5 23.3



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: 4.766 ug/L

RT: 12.38 min Scan# 1759

Delta R.T. -0.01 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

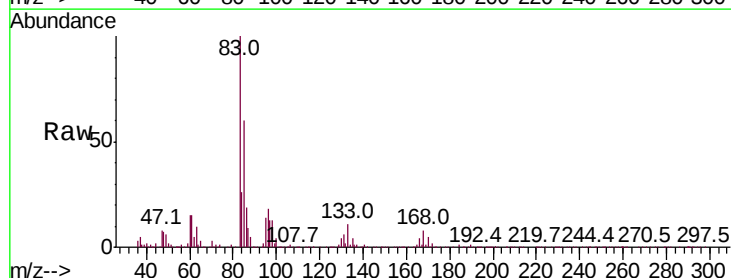
Tgt Ion: 83 Resp: 72897

Ion Ratio Lower Upper

83 100

85 60.0 45.8 85.0

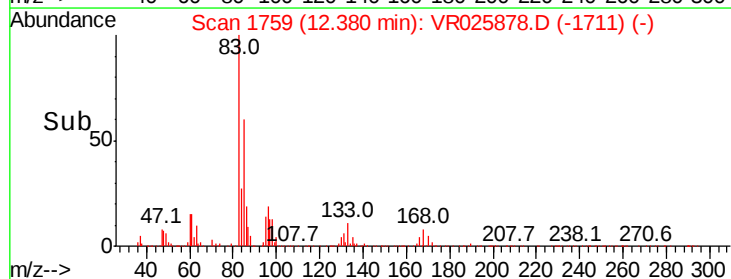
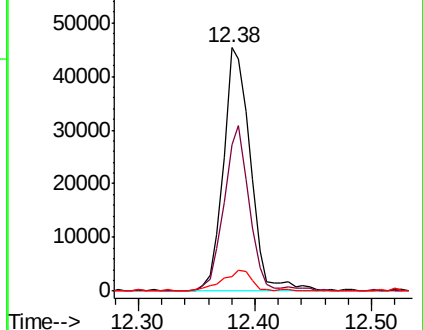
131 6.0 6.6 9.8#

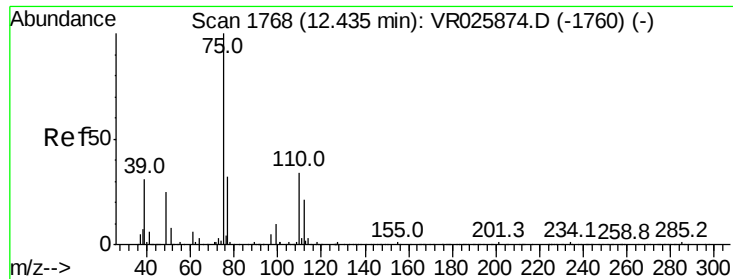


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.768 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

Instrument :

MSVOA_R

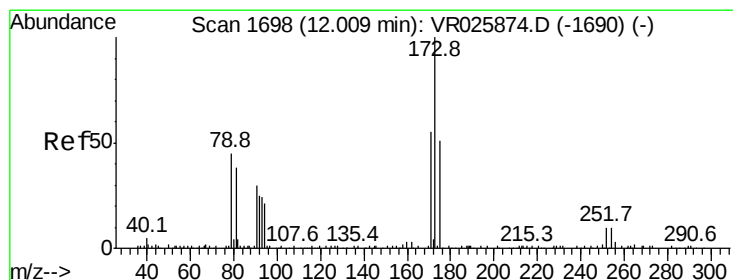
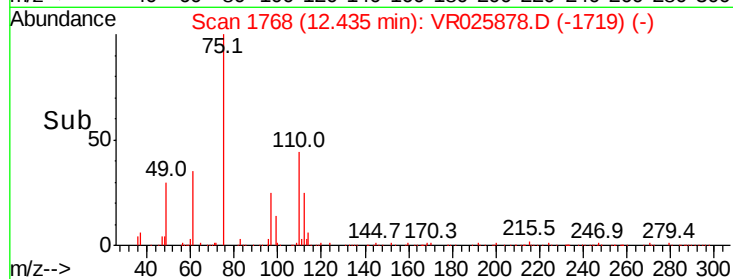
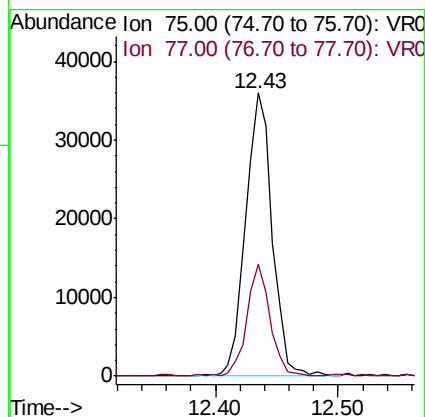
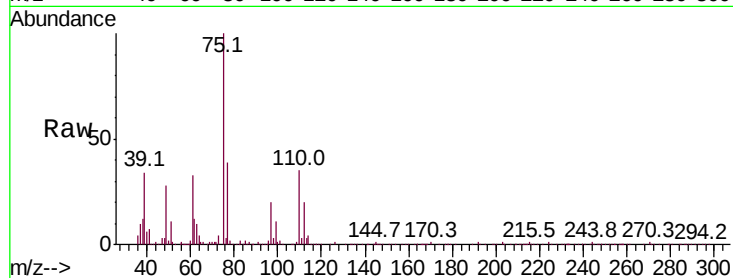
ClientSampleId :

Tot Ion: 75 Resp: 54278

Ion Ratio Lower Upper

75 100

77 33.9 25.8 38.6



#61

Bromoform

Concen: 4.705 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

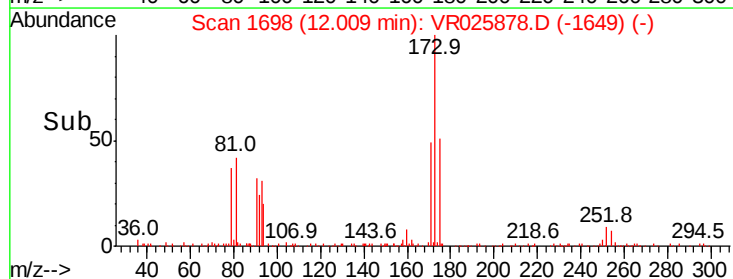
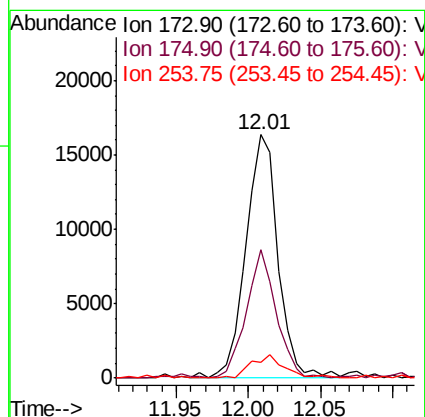
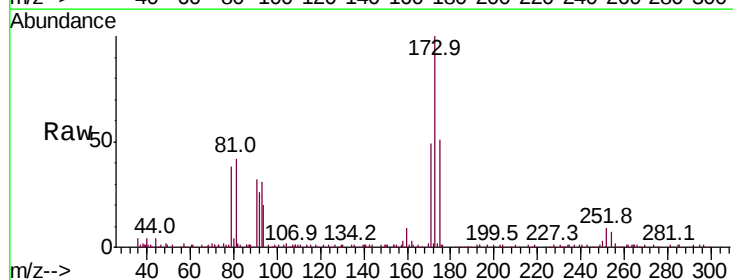
Tgt Ion:173 Resp: 25180

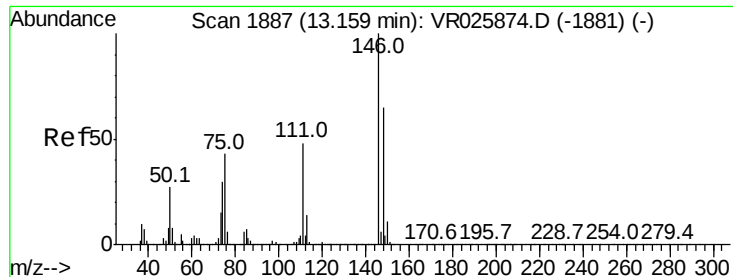
Ion Ratio Lower Upper

173 100

175 49.0 36.9 55.3

254 9.6 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 4.962 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.00 min

Lab File: VR025878.D

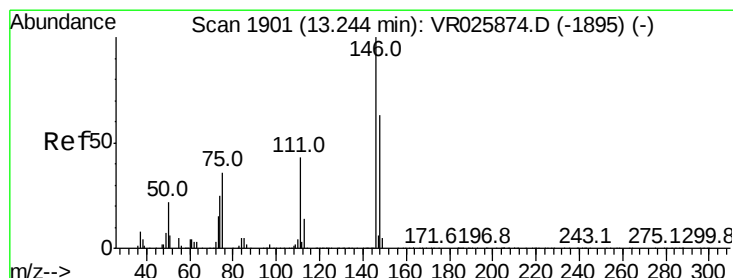
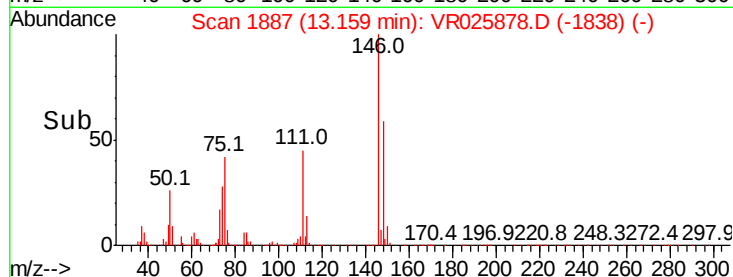
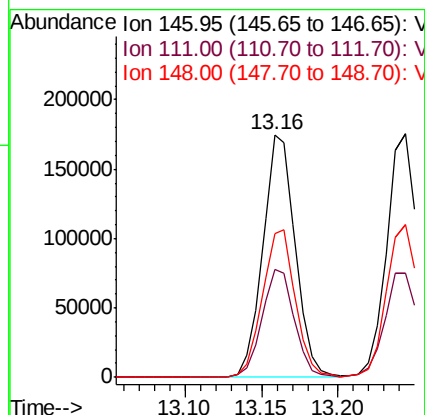
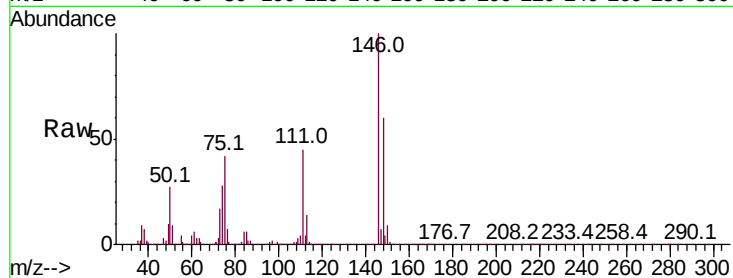
Acq: 27 Sep 2018 16:32

Instrument :

MSVOA_R

ClientSampled :

Tot Ion:	146	Resp:	256767
Ion	Ratio	Lower	Upper
146	100		
111	44.6	36.6	68.0
148	59.5	41.9	77.7



#63

1,4-Dichlorobenzene

Concen: 4.731 ug/L

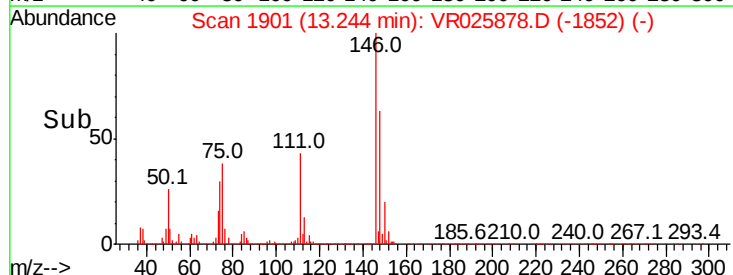
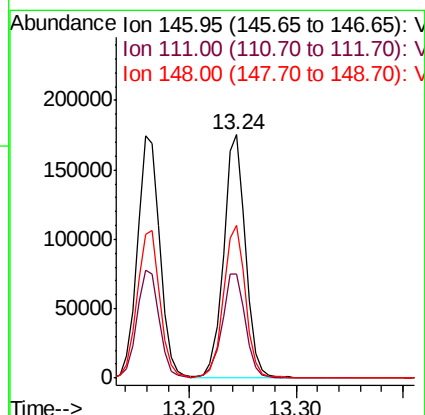
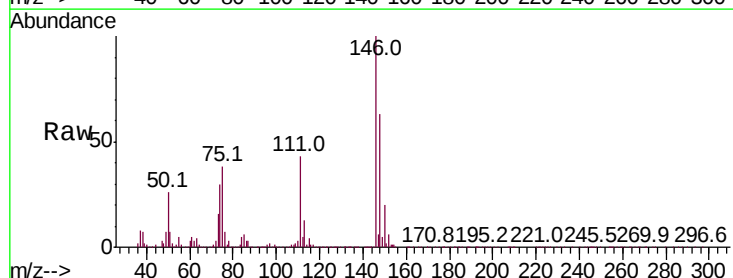
RT: 13.24 min Scan# 1901

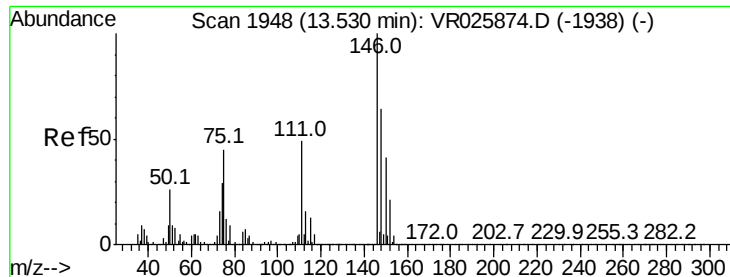
Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

Tgt Ion:	146	Resp:	250410
Ion	Ratio	Lower	Upper
146	100		
111	42.9	32.9	61.1
148	62.8	45.5	84.5

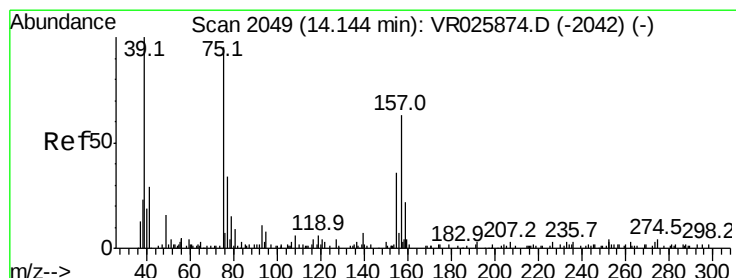
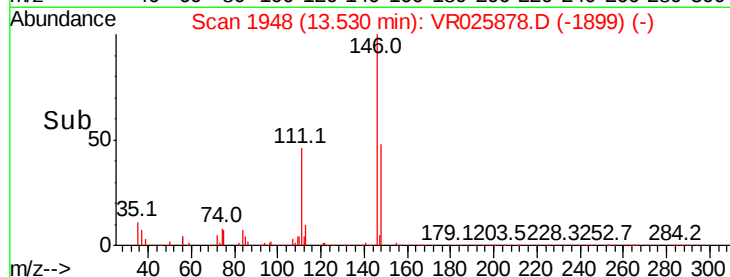
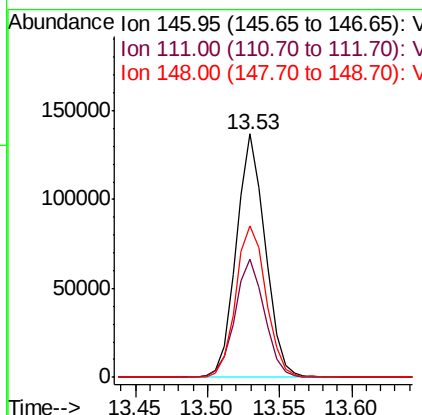
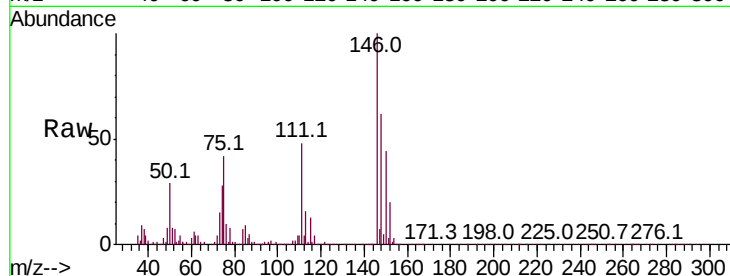




#65
 1,2-Dichlorobenzene
 Concen: 4.601 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR025878.D
 Acq: 27 Sep 2018 16:32

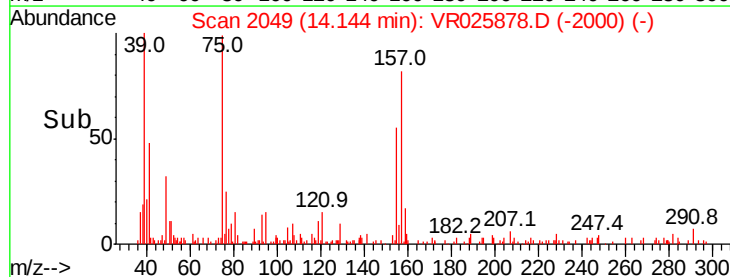
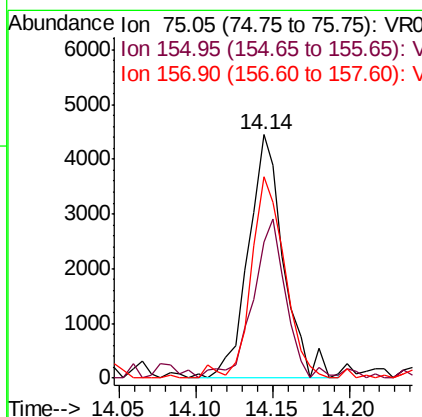
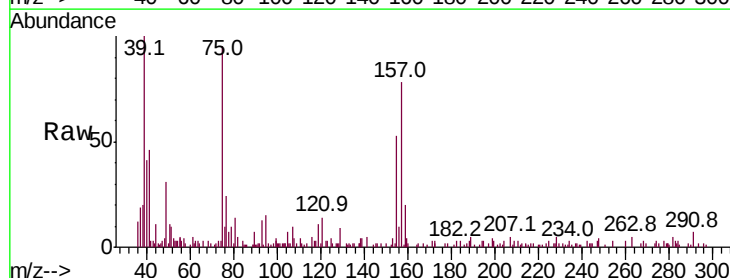
Instrument :
 MSVOA_R
 ClientSampleId :

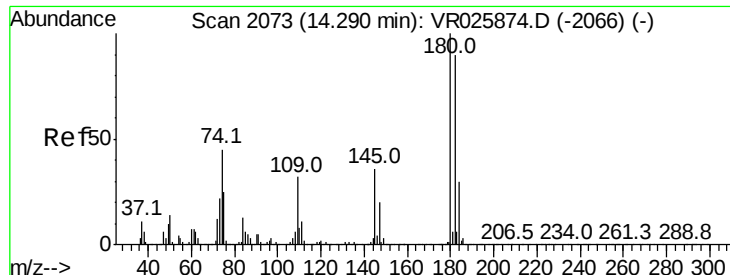
Tot Ion	Ratio	Lower	Upper
146	100		
111	48.5	39.4	59.0
148	62.3	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.050 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR025878.D
 Acq: 27 Sep 2018 16:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	56.0	37.8	56.6
157	82.7	49.7	74.5#

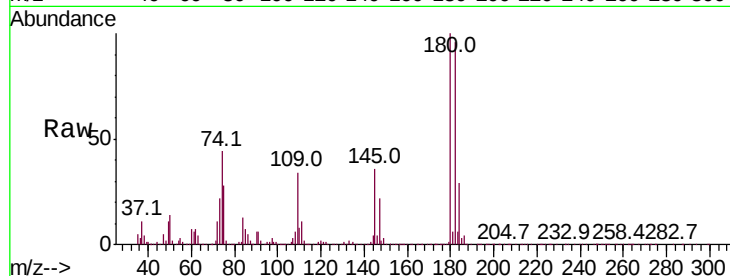




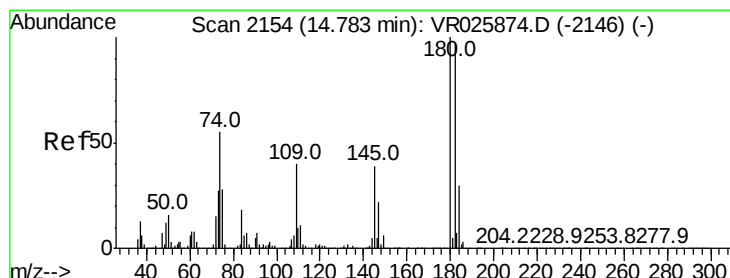
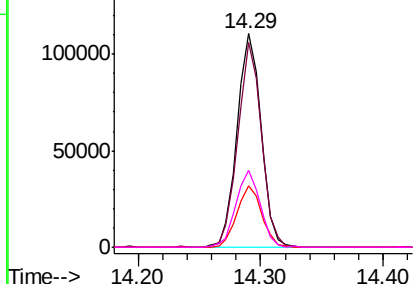
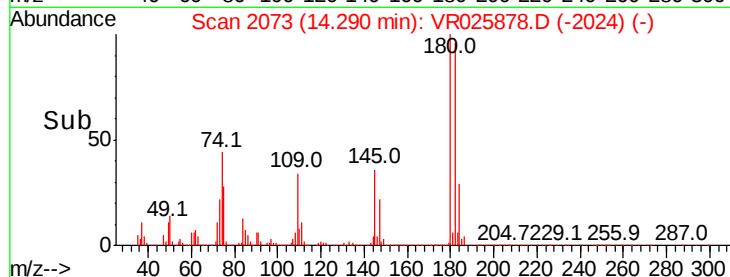
#67
 1,3,5-Trichlorobenzene
 Concen: 4.832 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025878.D
 Acq: 27 Sep 2018 16:32

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:180	Resp:	148945
Ion Ratio	Lower	Upper
180	100	
182	94.1	77.2 115.8
184	30.0	24.5 36.7
145	36.6	31.1 46.7

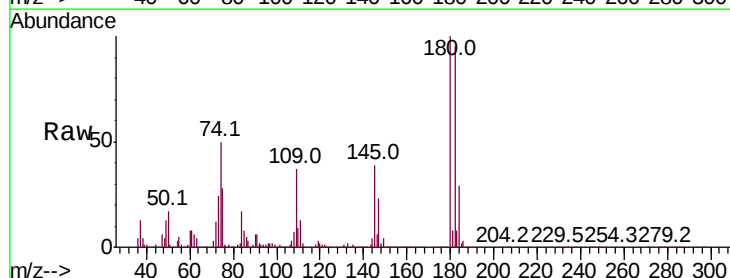


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

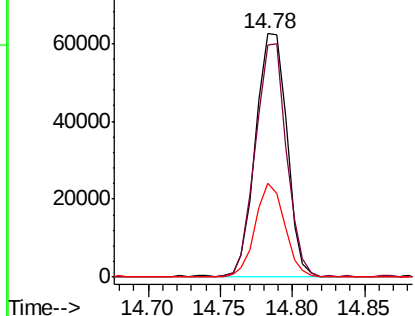
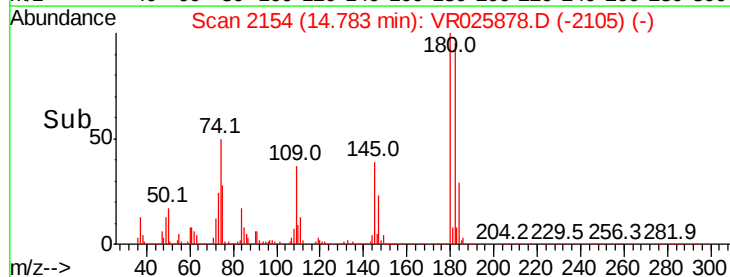


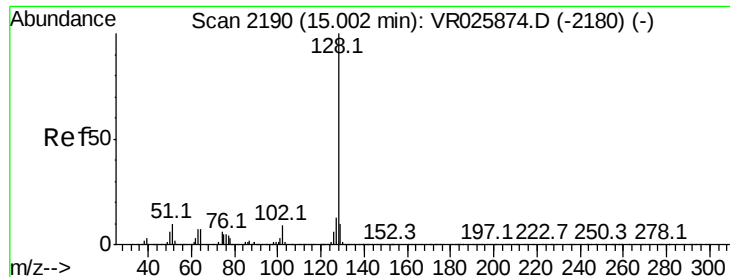
#68
 1,2,4-trichlorobenzene
 Concen: 4.777 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025878.D
 Acq: 27 Sep 2018 16:32

Tgt Ion:180	Resp:	93855
Ion Ratio	Lower	Upper
180	100	
182	94.8	75.2 112.8
145	36.2	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: 4.940 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

Instrument :

MSVOA_R

ClientSampleId :

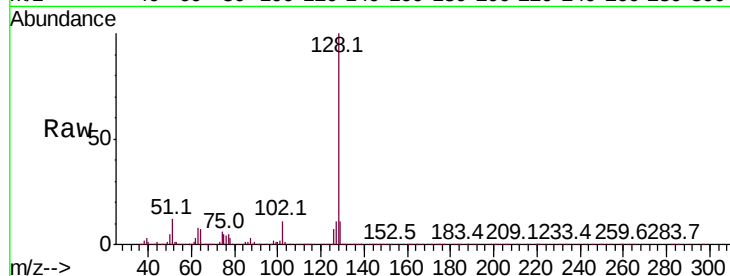
Tot Ion:128 Resp: 123885

Ion Ratio Lower Upper

128 100

127 13.7 10.5 15.7

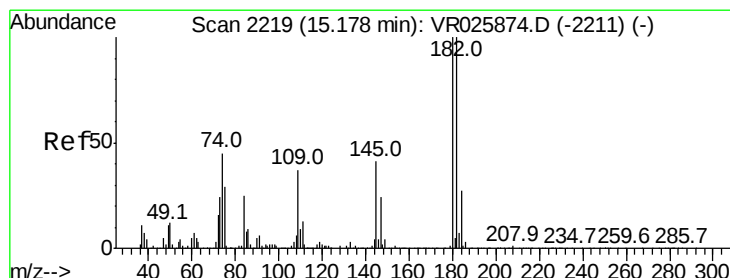
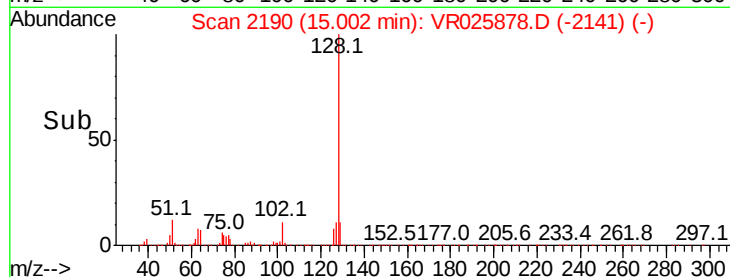
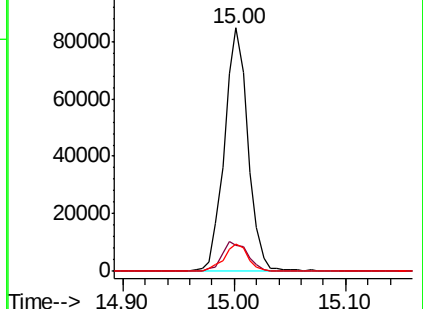
129 11.5 9.4 14.2



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: 4.967 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025878.D

Acq: 27 Sep 2018 16:32

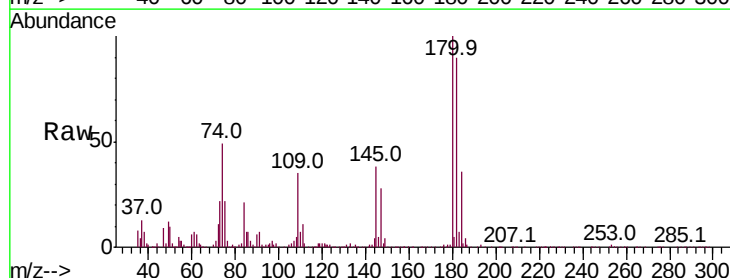
Tgt Ion:180 Resp: 67714

Ion Ratio Lower Upper

180 100

182 93.6 74.7 112.1

145 35.9 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

