

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100818\
 Data File : VR025979.D
 Acq On : 8 Oct 2018 10:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 09 05:19:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 08 01:15:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	644921	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	546343	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	215181	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	206069	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	2.63	69	182200	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	3.64	63	503789	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	6.59	46	230868	40.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.44%
24) Chloroform-d	7.20	84	382137	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	7.90	65	164197	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
32) Benzene-d6	7.85	84	755069	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	8.90	67	198667	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.00%
41) Toluene-d8	9.97	98	726073	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	10.24	79	53768	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	10.59	63	184059	43.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.78%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	84491	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	148592	4.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	158727	4.049	ug/L 98
3) Chloromethane	2.02	50	238758	4.283	ug/L 98
5) Vinyl chloride	2.17	62	235456	4.244	ug/L 100
6) Bromomethane	2.53	94	141179	4.076	ug/L 97
8) Chloroethane	2.66	64	140490	4.451	ug/L 98
9) Trichlorofluoromethane	2.93	101	107999	1.402	ug/L # 32
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	212868	4.521	ug/L 96
12) 1,1-Dichloroethene	3.65	96	211690	4.348	ug/L 83
13) Acetone	3.70	43	182973	44.526	ug/L 97
14) Carbon disulfide	3.96	76	475089	4.031	ug/L 98
15) Methyl Acetate	4.20	43	44500	3.906	ug/L 96
16) Methylene chloride	4.40	84	182641	4.080	ug/L 95
17) Methyl tert-butyl Ether	4.90	73	229493	4.257	ug/L 99
18) trans-1,2-Dichloroethene	4.88	96	172631	4.287	ug/L 93
19) 1,1-Dichloroethane	5.70	63	332801	4.175	ug/L 96
21) 2-Butanone	6.69	43	233039	41.230	ug/L 97
22) cis-1,2-Dichloroethene	6.68	96	172790	4.265	ug/L # 90

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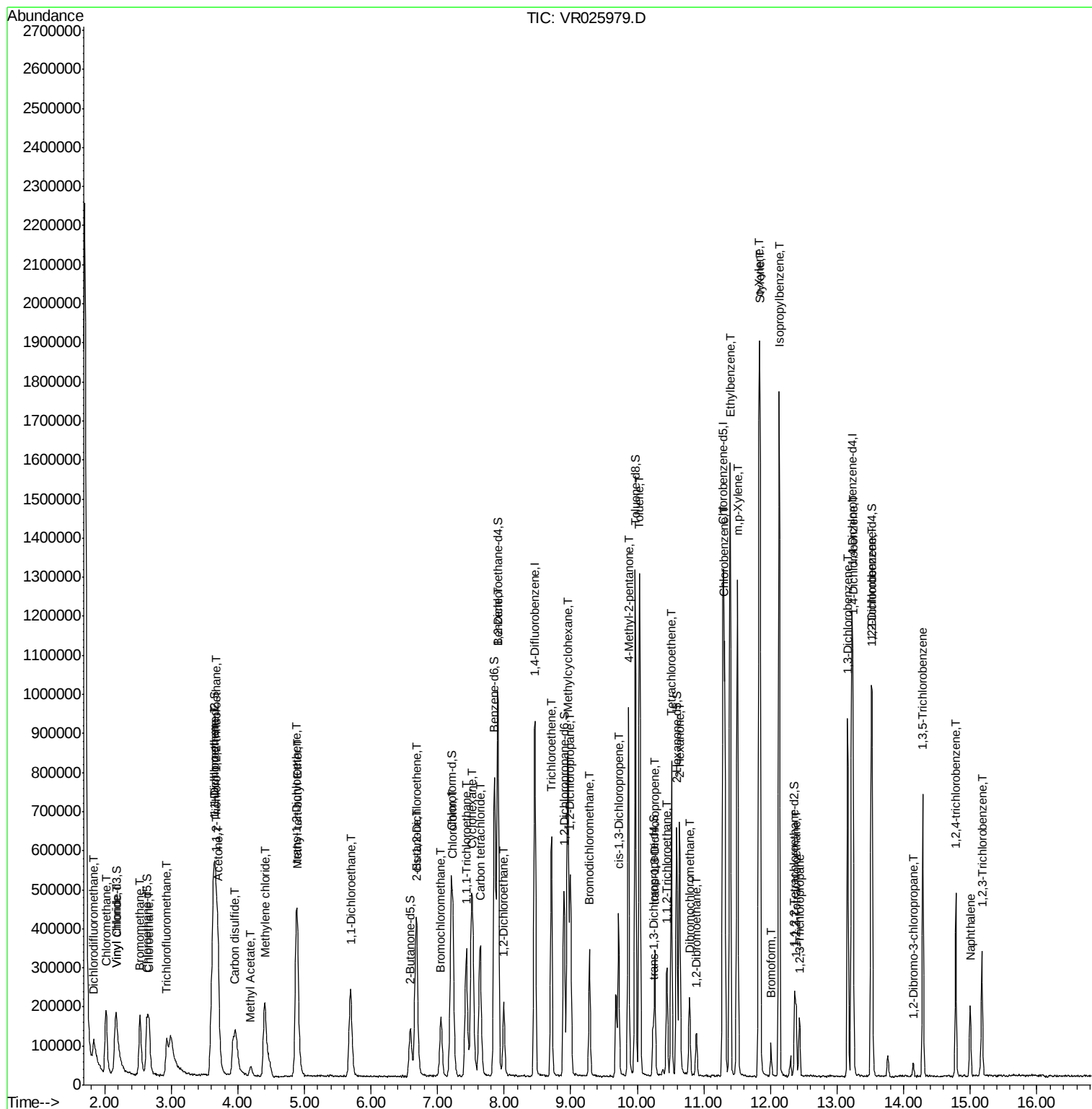
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	47414	4.314	ug/L	87
25) Chloroform	7.23	83	333610	4.298	ug/L	98
27) 1,2-Dichloroethane	7.99	62	165292	4.267	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	286437	4.662	ug/L	99
30) Cyclohexane	7.51	56	295324	3.847	ug/L	97
31) Carbon tetrachloride	7.64	117	260644	4.899	ug/L	100
33) Benzene	7.91	78	757589	4.134	ug/L	100
34) Trichloroethene	8.71	95	198911	4.120	ug/L	96
35) Methylcyclohexane	8.95	83	303201	4.176	ug/L	97
37) 1,2-Dichloropropane	8.99	63	165377	4.207	ug/L	99
38) Bromodichloromethane	9.28	83	186675	4.401	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	206032	4.674	ug/L	96
40) 4-Methyl-2-pentanone	9.87	43	583135	42.185	ug/L	97
42) Toluene	10.04	91	821779	4.316	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	144643	5.026	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	72956	4.103	ug/L	92
47) Tetrachloroethene	10.51	164	134567	4.523	ug/L	94
48) 2-Hexanone	10.63	43	392289	43.344	ug/L	96
49) Dibromochloromethane	10.79	129	85743	4.751	ug/L	96
50) 1,2-Dibromoethane	10.88	107	63365	4.516	ug/L #	88
51) Chlorobenzene	11.32	112	448940	4.445	ug/L	93
52) Ethylbenzene	11.39	91	964404	4.437	ug/L	99
53) m,p-Xylene	11.50	106	347807	4.495	ug/L	94
54) o-Xylene	11.83	106	327442	4.546	ug/L	97
55) Styrene	11.84	104	514347	4.588	ug/L	91
56) Isopropylbenzene	12.13	105	932106	4.692	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	70765	4.130	ug/L	100
59) 1,2,3-Trichloropropane	12.43	75	52626	4.127	ug/L	99
61) Bromoform	12.01	173	30381	4.670	ug/L #	95
62) 1,3-Dichlorobenzene	13.16	146	274375	4.363	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	273197	4.246	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	215040	4.256	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	7582	3.569	ug/L	94
67) 1,3,5-Trichlorobenzene	14.29	180	165193	4.410	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	99367	4.161	ug/L	97
69) Naphthalene	15.00	128	120357	3.949	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	71597	4.321	ug/L	96

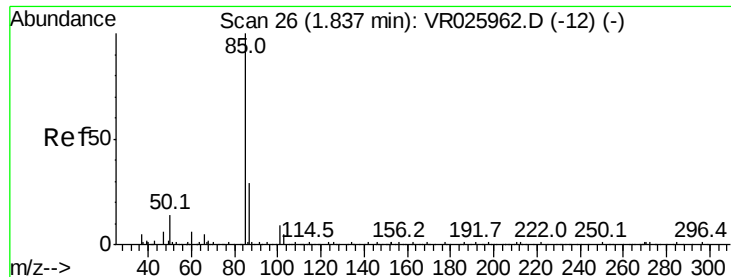
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.049 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.01 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

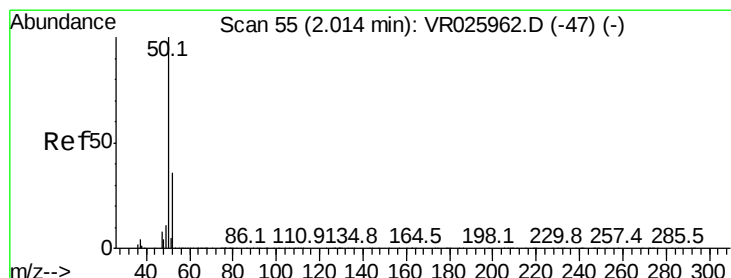
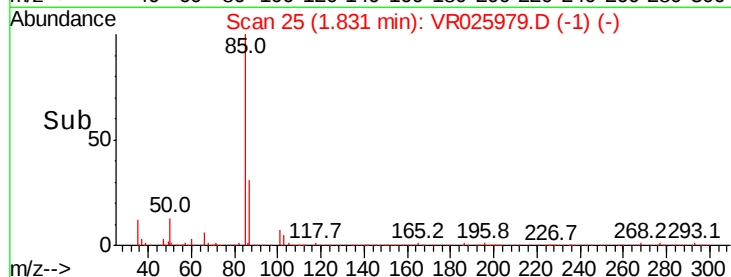
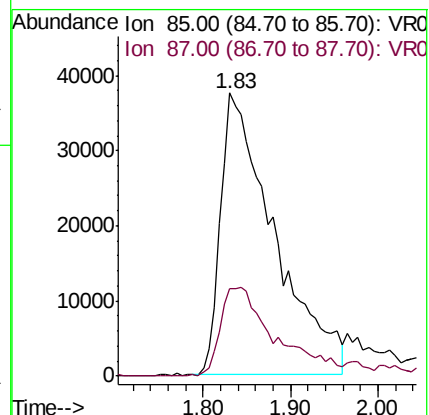
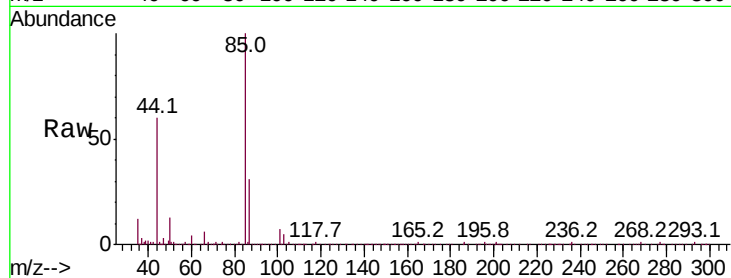
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 85 Resp: 158727

Ion Ratio Lower Upper

85 100

87 32.6 25.1 37.7



#3

Chloromethane

Concen: 4.283 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR025979.D

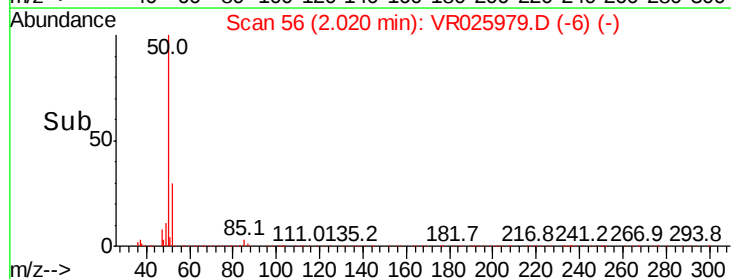
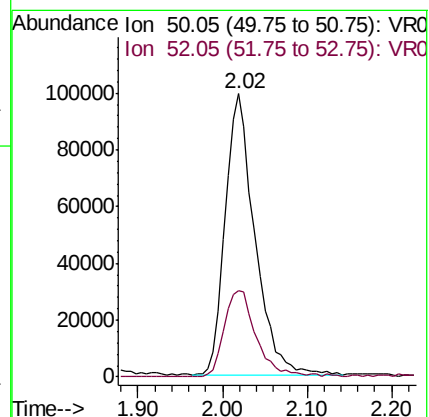
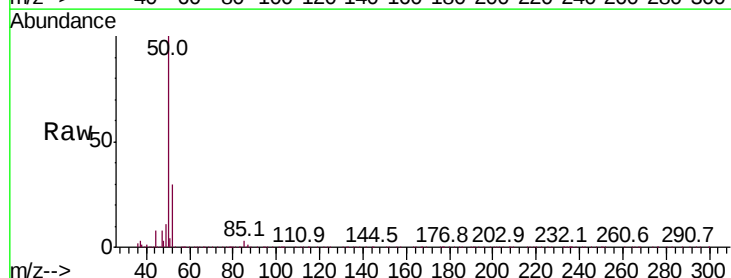
Acq: 8 Oct 2018 10:51

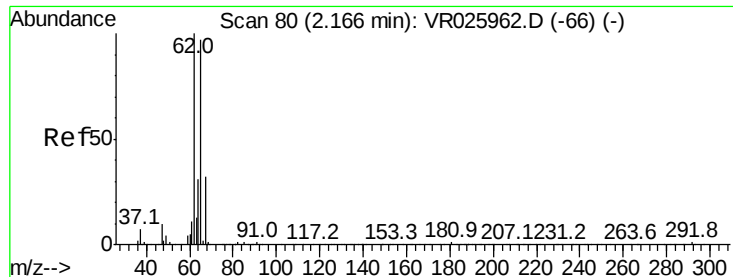
Tgt Ion: 50 Resp: 238758

Ion Ratio Lower Upper

50 100

52 30.3 22.1 41.1





#5

Vinyl chloride

Concen: 4.244 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

Instrument :

MSVOA_R

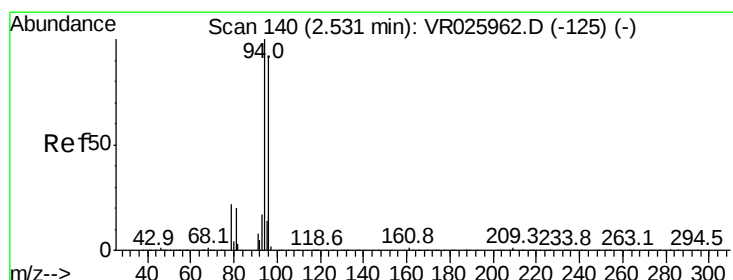
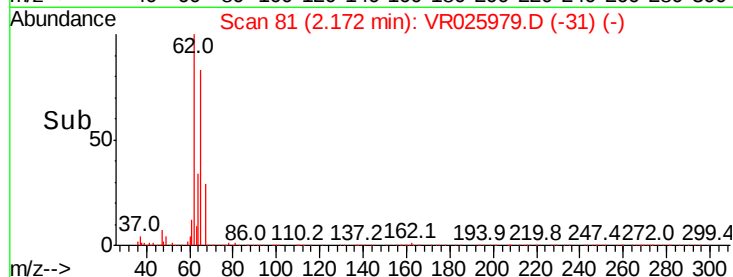
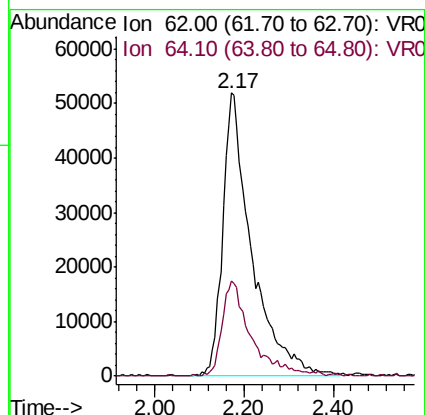
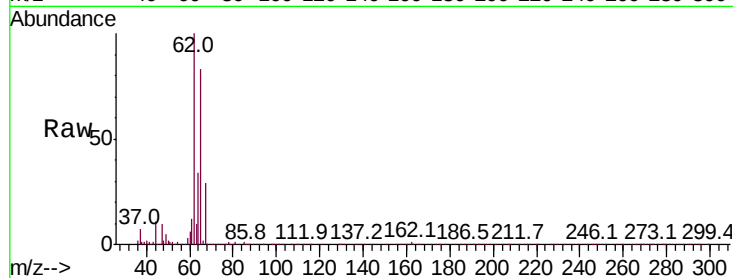
ClientSampleId :

Tot Ion: 62 Resp: 235456

Ion Ratio Lower Upper

62 100

64 33.7 23.5 43.7



#6

Bromomethane

Concen: 4.076 ug/L

RT: 2.53 min Scan# 140

Delta R.T. -0.00 min

Lab File: VR025979.D

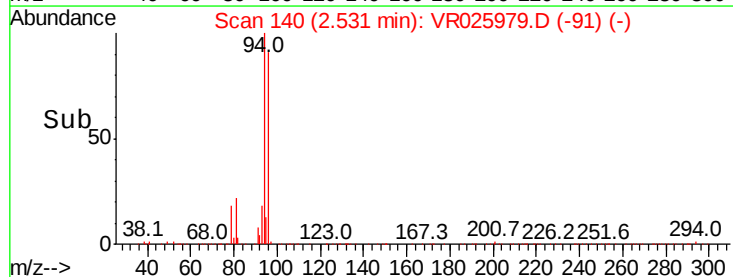
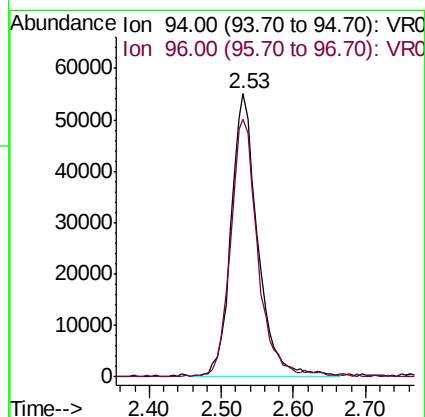
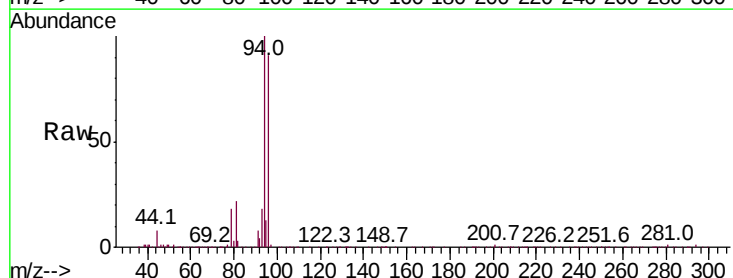
Acq: 8 Oct 2018 10:51

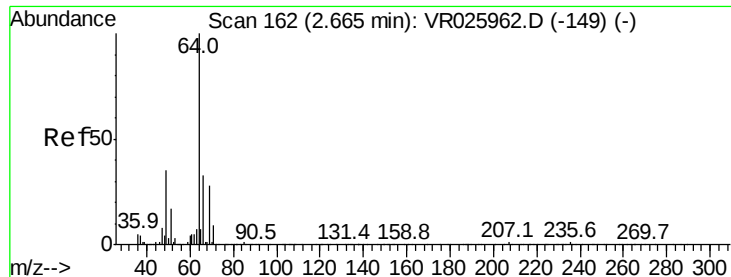
Tgt Ion: 94 Resp: 141179

Ion Ratio Lower Upper

94 100

96 91.2 66.1 122.8





#8

Chloroethane

Concen: 4.451 ug/L

RT: 2.66 min Scan# 162

Delta R.T. -0.00 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

Instrument :

MSVOA_R

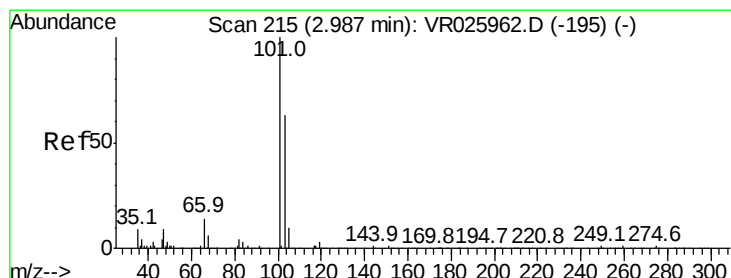
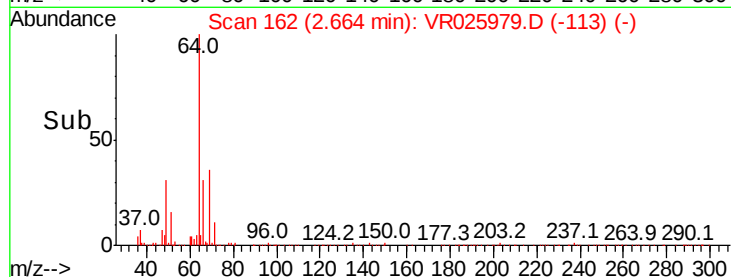
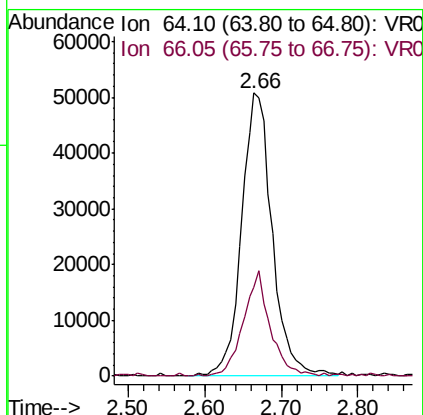
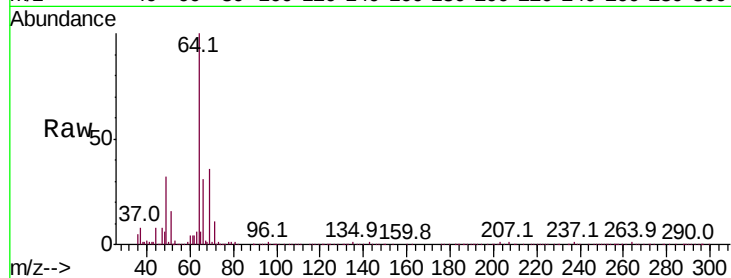
ClientSampleId :

Tot Ion: 64 Resp: 140490

Ion Ratio Lower Upper

64 100

66 31.5 21.3 39.5



#9

Trichlorofluoromethane

Concen: 1.402 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.05 min

Lab File: VR025979.D

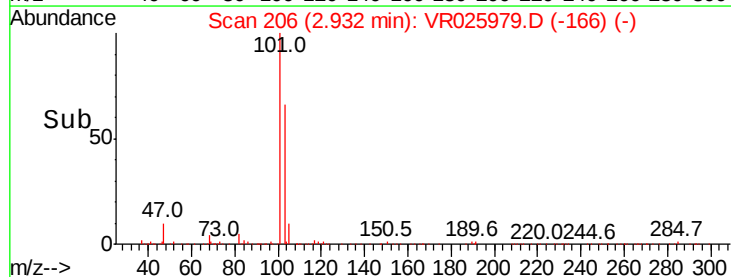
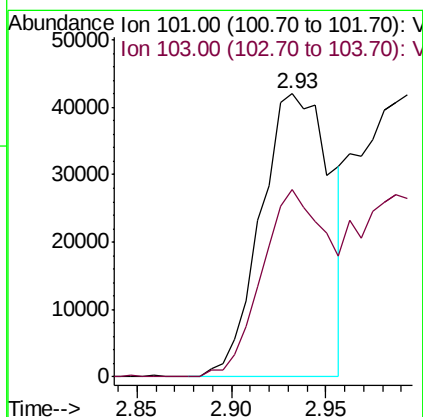
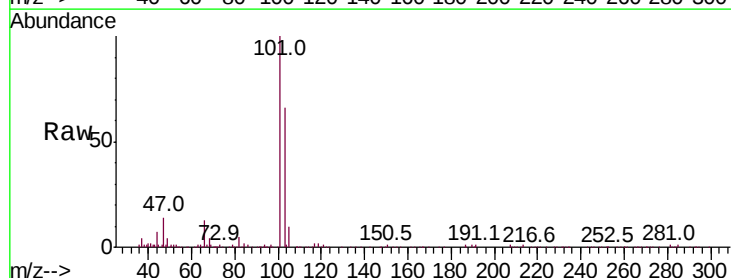
Acq: 8 Oct 2018 10:51

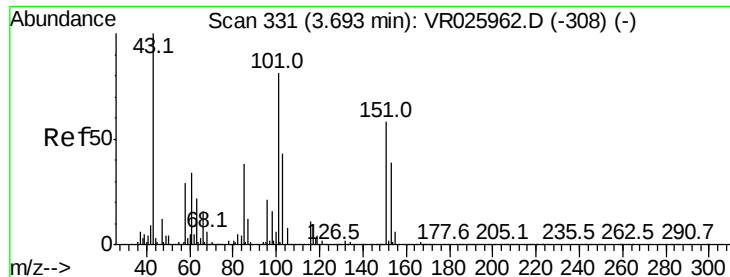
Tgt Ion: 101 Resp: 107999

Ion Ratio Lower Upper

101 100

103 63.2 22.1 33.1#





#10

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

Concen: 4.521 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.01 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

Instrument :

MSVOA_R

ClientSampleId :

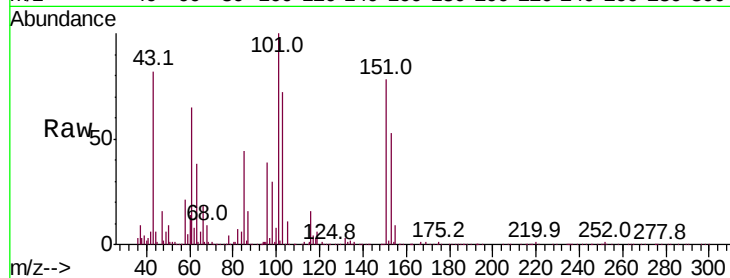
Tot Ion:101 Resp: 212868

Ion Ratio Lower Upper

101 100

85 47.1 38.2 57.4

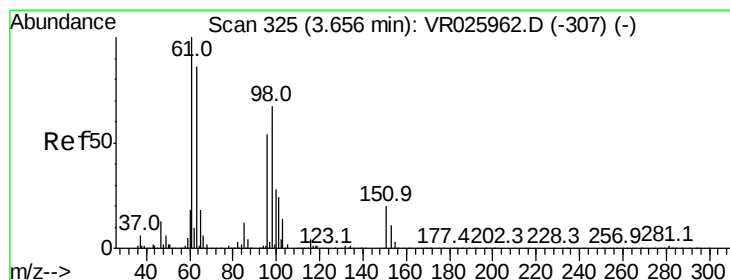
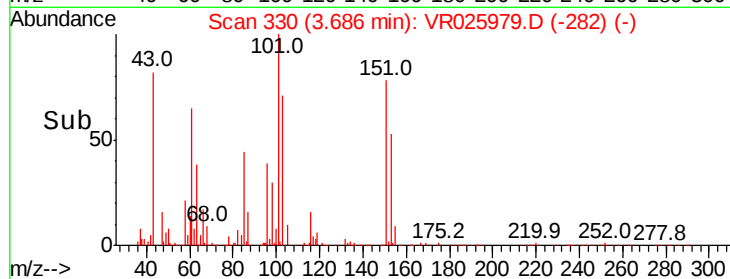
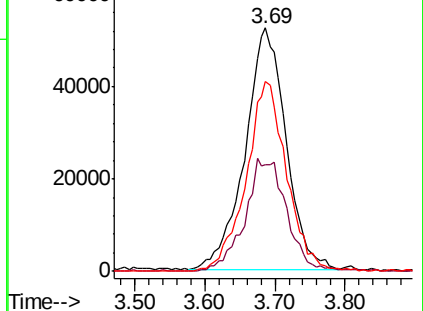
151 77.7 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.348 ug/L

RT: 3.65 min Scan# 324

Delta R.T. -0.01 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

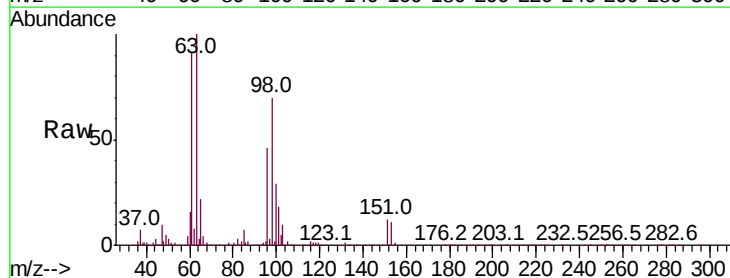
Tgt Ion: 96 Resp: 211690

Ion Ratio Lower Upper

96 100

61 198.9 145.0 269.4

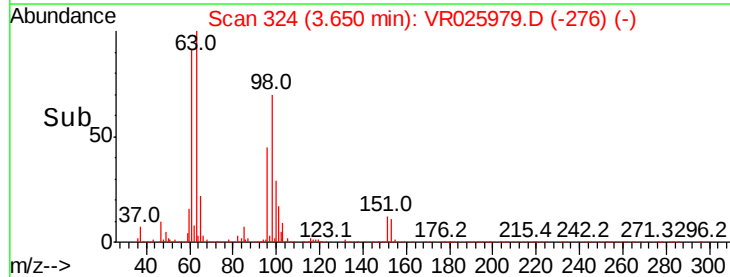
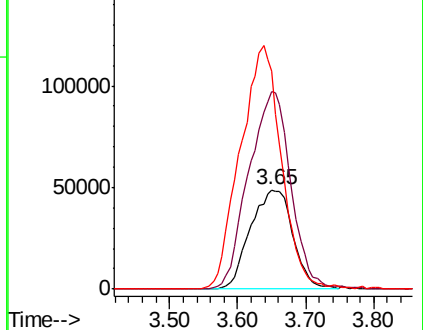
63 219.3 123.8 230.0

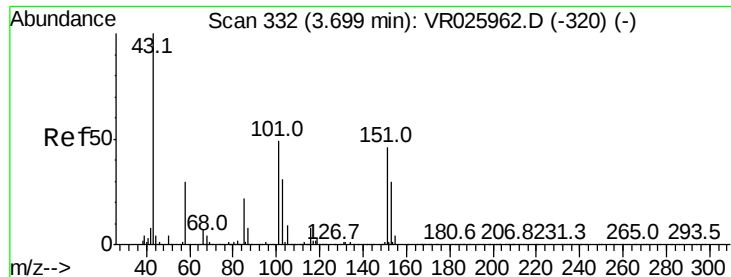


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 44.526 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

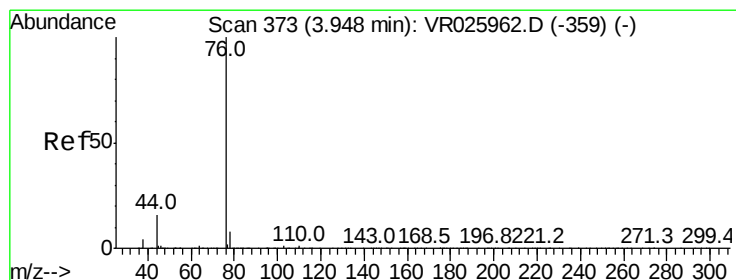
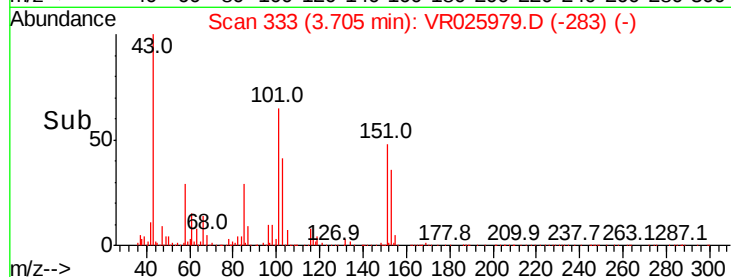
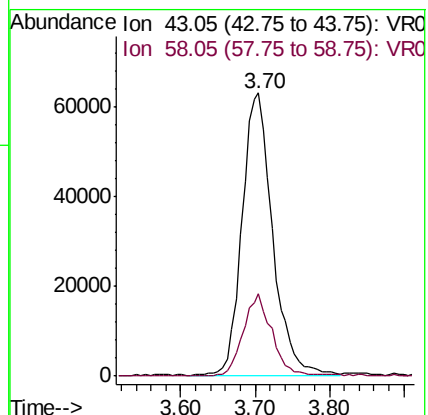
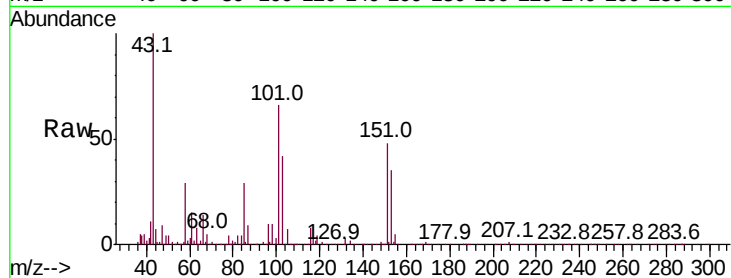
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 182973

Ion Ratio Lower Upper

43 100

58 27.1 0.0 51.4



#14

Carbon disulfide

Concen: 4.031 ug/L

RT: 3.96 min Scan# 375

Delta R.T. 0.01 min

Lab File: VR025979.D

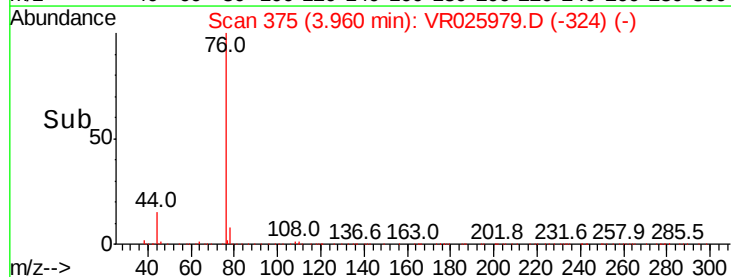
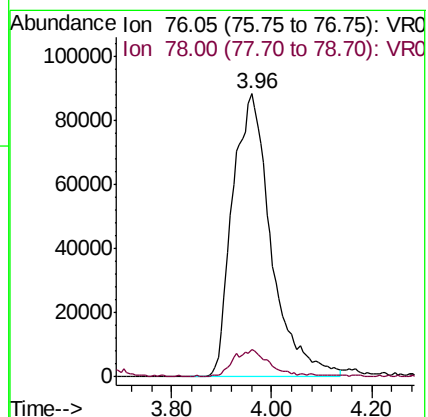
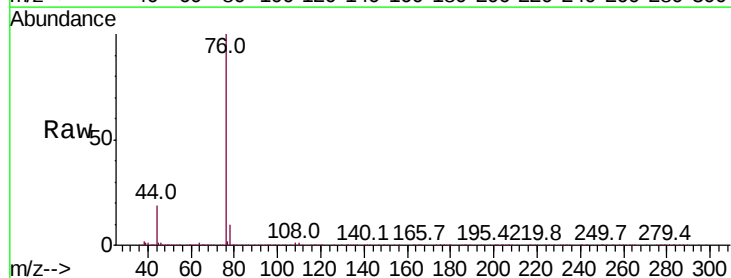
Acq: 8 Oct 2018 10:51

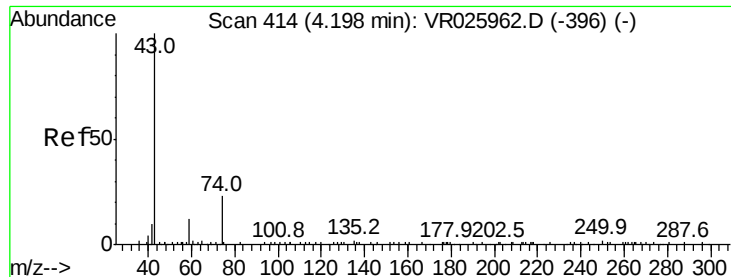
Tgt Ion: 76 Resp: 475089

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.6

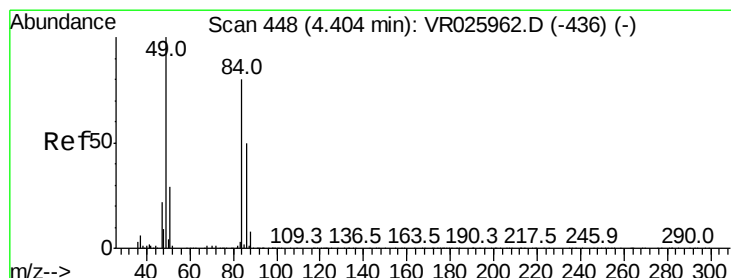
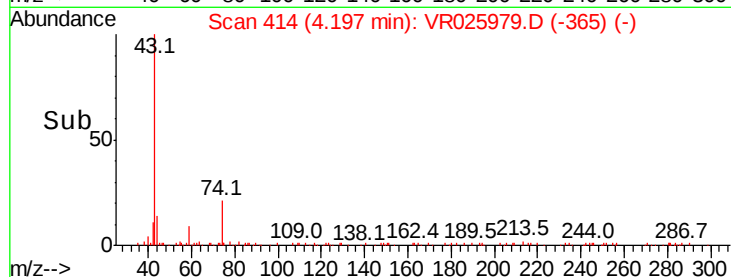
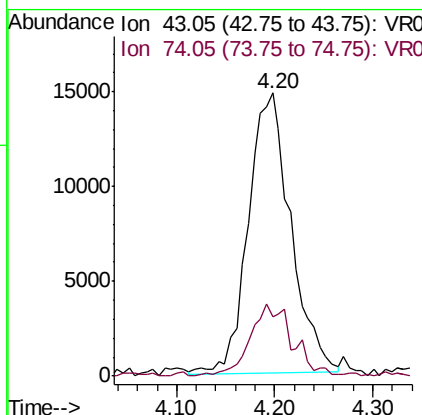
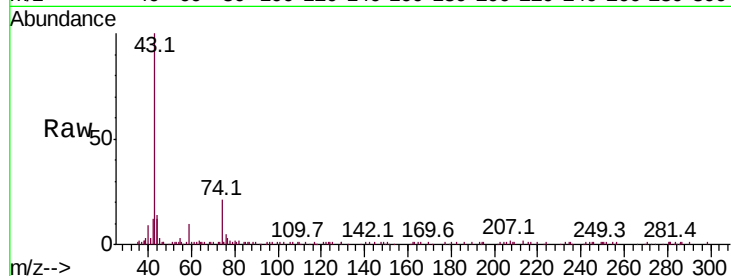




#15
Methyl Acetate
Concen: 3.906 ug/L
RT: 4.20 min Scan# 414
Delta R.T. -0.00 min
Lab File: VR025979.D
Acq: 8 Oct 2018 10:51

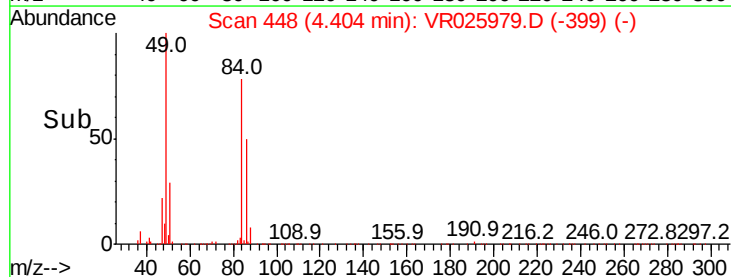
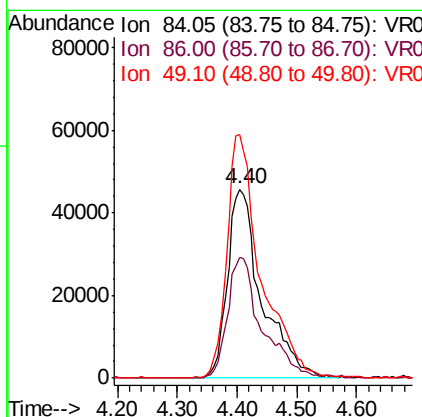
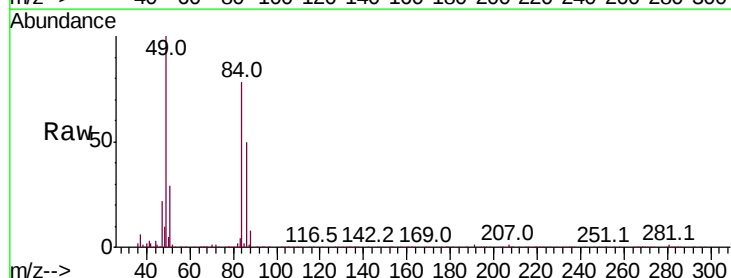
Instrument :
MSVOA_R
ClientSampleId :

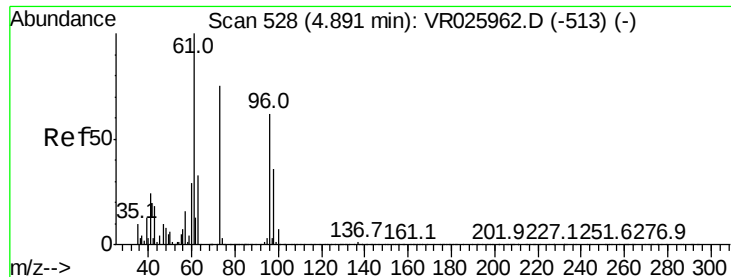
Tot Ion: 43 Resp: 44500
Ion Ratio Lower Upper
43 100
74 25.5 19.0 28.4



#16
Methylene chloride
Concen: 4.080 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR025979.D
Acq: 8 Oct 2018 10:51

Tgt Ion: 84 Resp: 182641
Ion Ratio Lower Upper
84 100
86 63.9 43.1 80.1
49 128.7 95.5 177.3



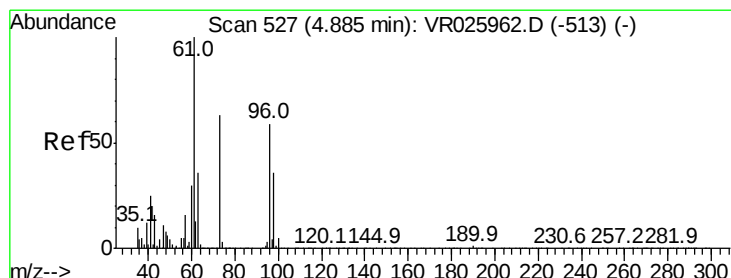
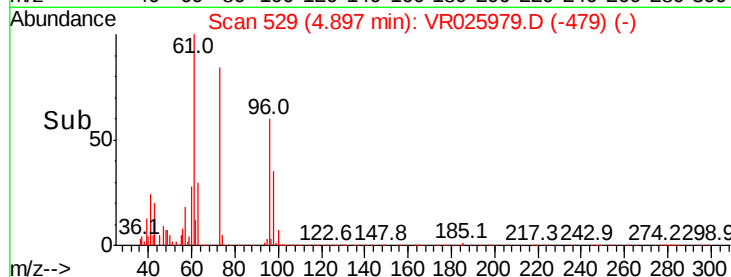
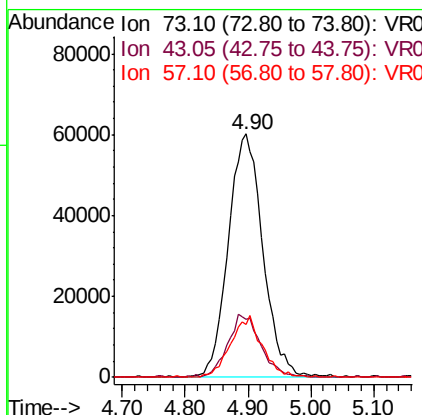
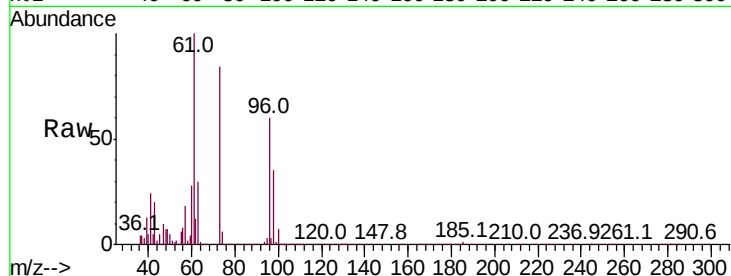


#17

Methvl tert-butvl Ether
 Concen: 4.257 ug/L
 RT: 4.90 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VR025979.D
 Acq: 8 Oct 2018 10:51

Instrument :
 MSVOA_R
 ClientSampleId :

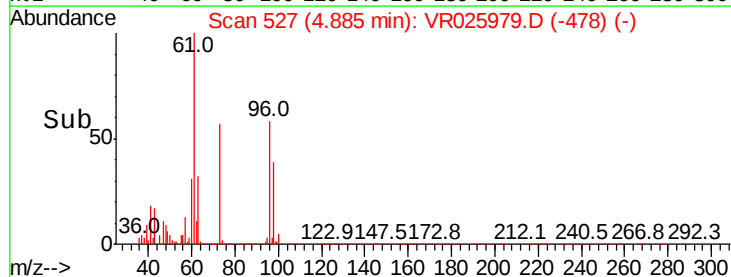
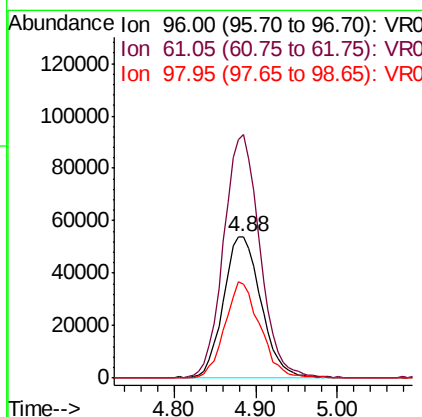
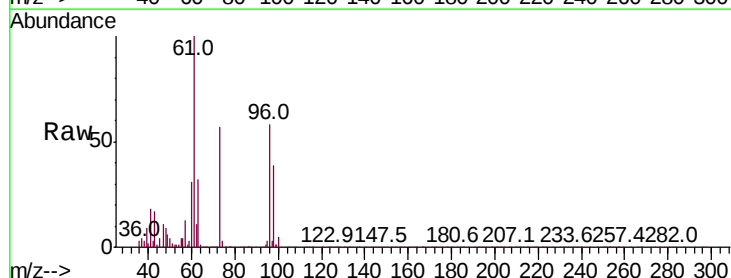
Tot Ion	Ratio	Lower	Upper
73	100		
43	24.4	19.8	29.8
57	21.9	17.9	26.9

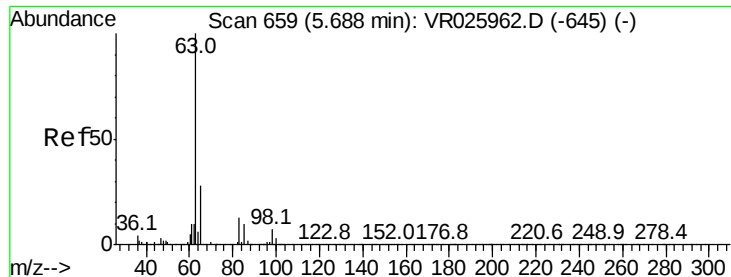


#18

trans-1,2-Dichloroethene
 Concen: 4.287 ug/L
 RT: 4.88 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VR025979.D
 Acq: 8 Oct 2018 10:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.7	127.4	236.6
98	66.5	43.8	81.3





#19

1,1-Dichloroethane

Concen: 4.175 ug/L

RT: 5.70 min Scan# 661

Delta R.T. 0.01 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

Instrument :

MSVOA_R

ClientSampleId :

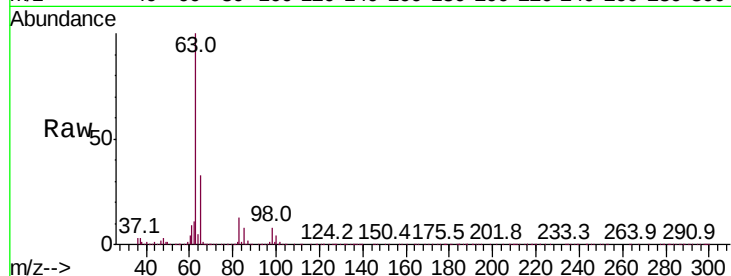
Tot Ion: 63 Resp: 332801

Ion Ratio Lower Upper

63 100

65 32.6 21.1 39.1

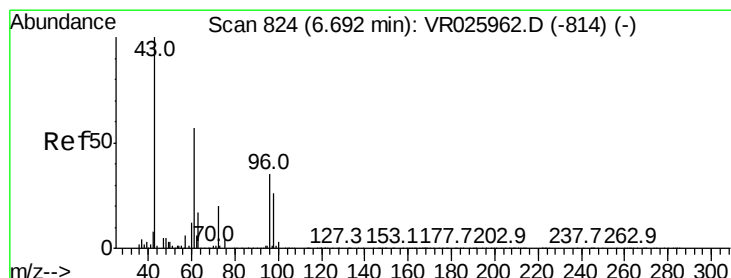
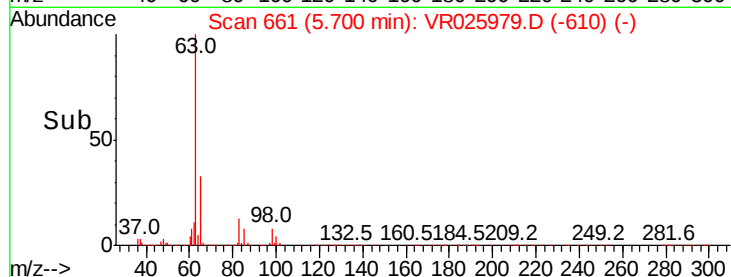
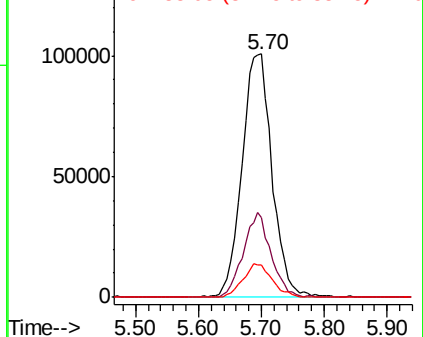
83 13.5 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 41.230 ug/L

RT: 6.69 min Scan# 824

Delta R.T. -0.00 min

Lab File: VR025979.D

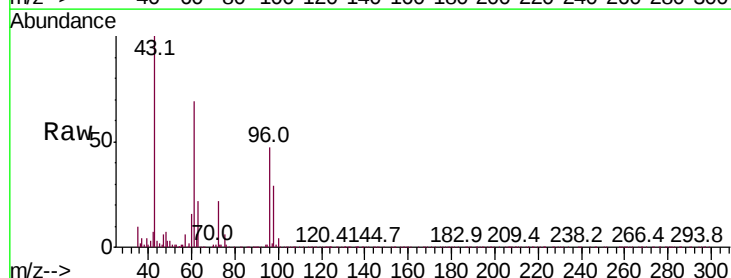
Acq: 8 Oct 2018 10:51

Tgt Ion: 43 Resp: 233039

Ion Ratio Lower Upper

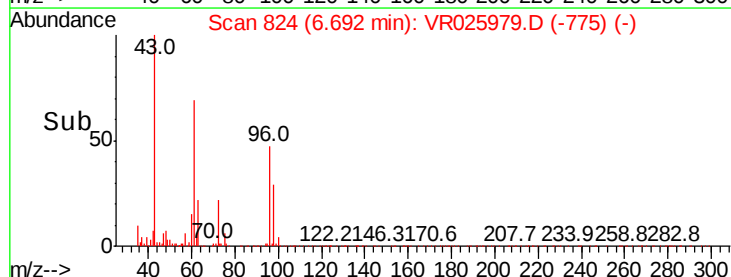
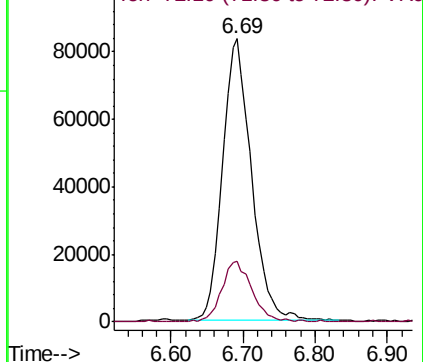
43 100

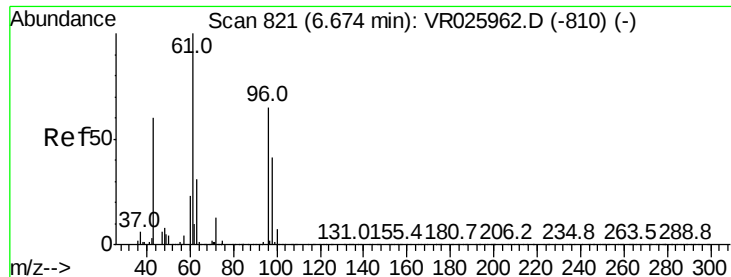
72 22.1 11.9 35.7



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



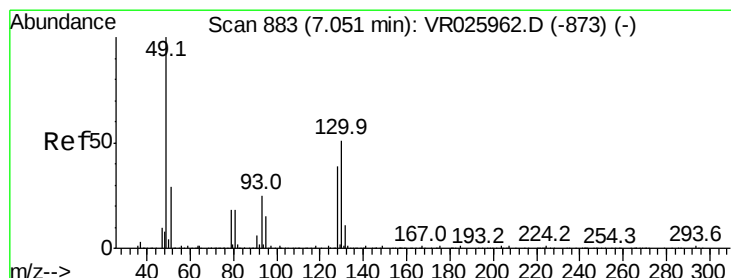
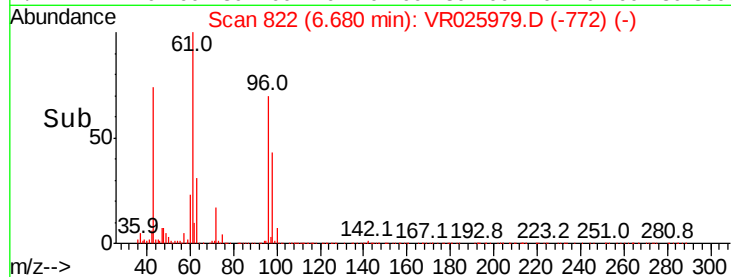
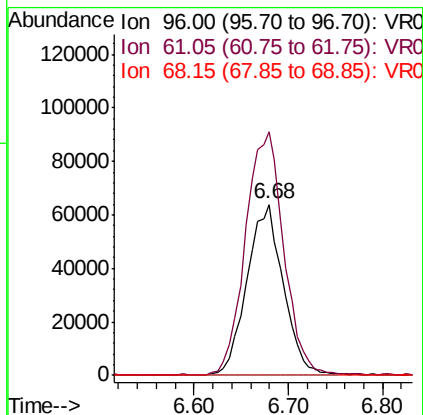
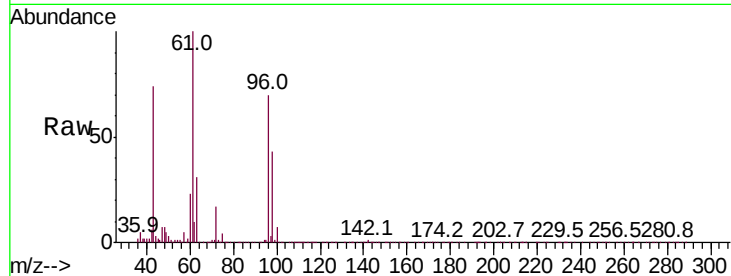


#22

cis-1,2-Dichloroethene
Concen: 4.265 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.01 min
Lab File: VR025979.D
Acq: 8 Oct 2018 10:51

Instrument :
MSVOA_R
ClientSampleId :

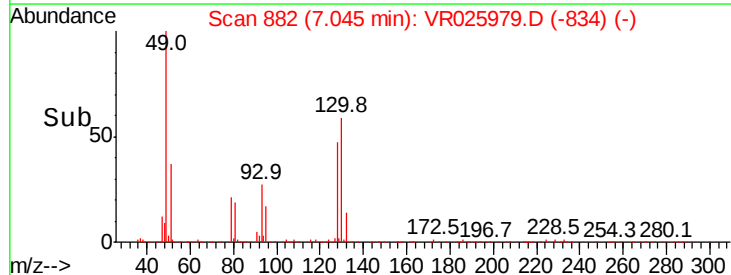
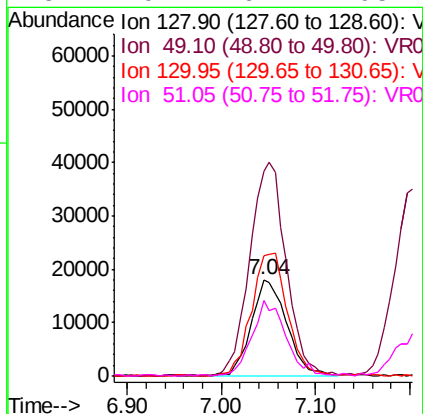
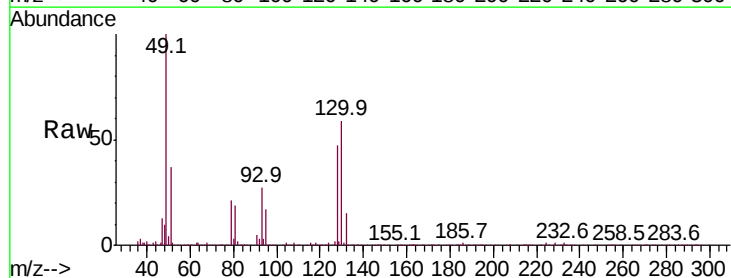
Tot Ion: 96 Resp: 172790
Ion Ratio Lower Upper
96 100
61 142.6 108.7 201.9
68 0.2 0.1 0.1#

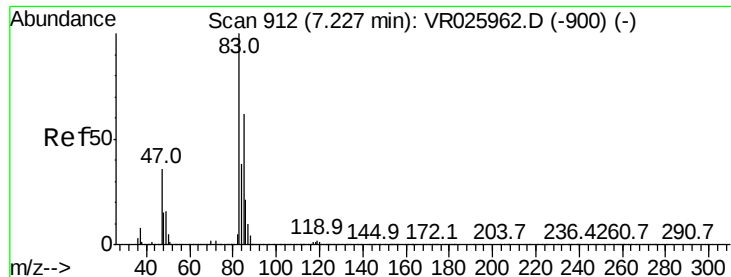


#23

Bromochloromethane
Concen: 4.314 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.01 min
Lab File: VR025979.D
Acq: 8 Oct 2018 10:51

Tgt Ion: 128 Resp: 47414
Ion Ratio Lower Upper
128 100
49 213.5 175.0 325.0
130 125.5 85.6 159.0
51 79.2 62.2 93.2





#25

Chloroform

Concen: 4.298 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

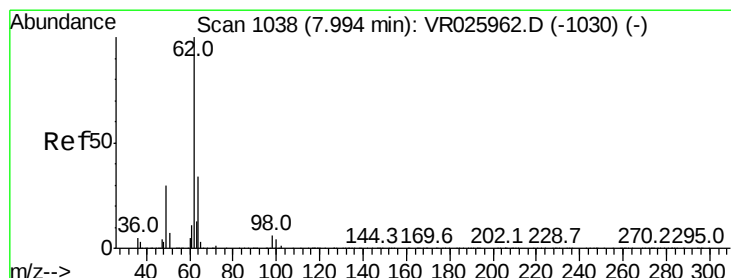
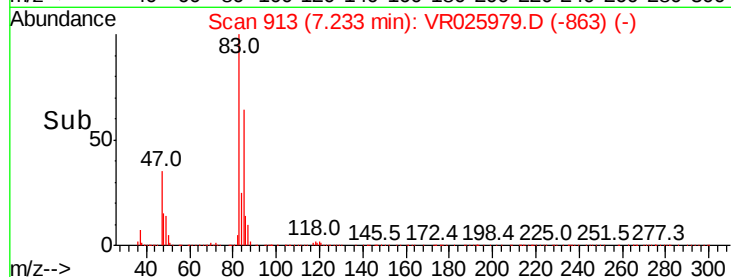
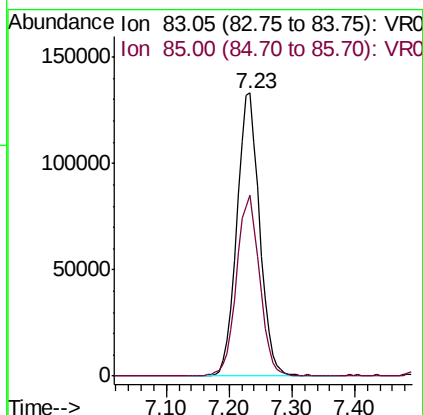
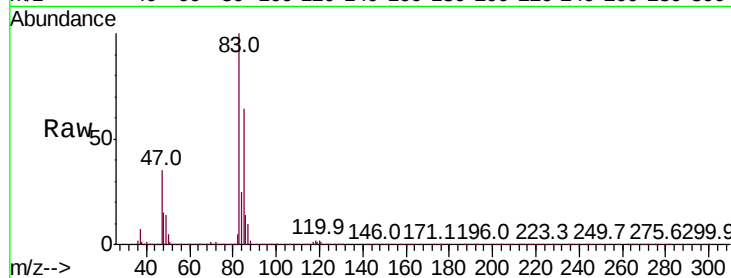
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 83 Resp: 333610

Ion Ratio Lower Upper

83 100

85 64.1 43.8 81.4



#27

1,2-Dichloroethane

Concen: 4.267 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR025979.D

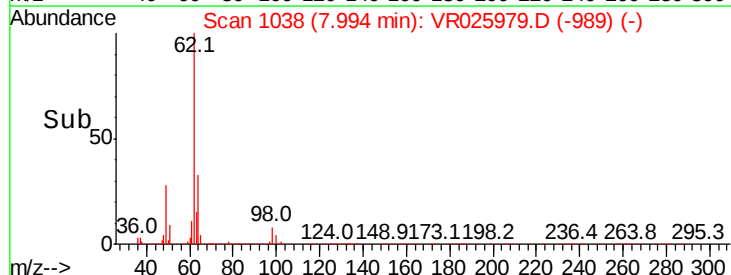
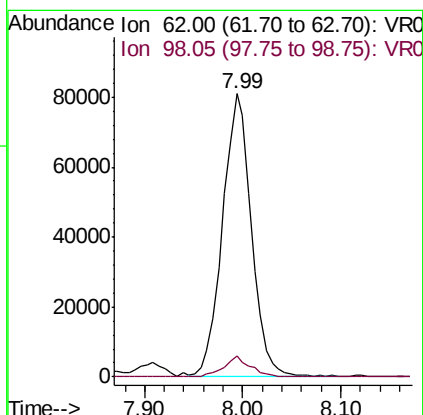
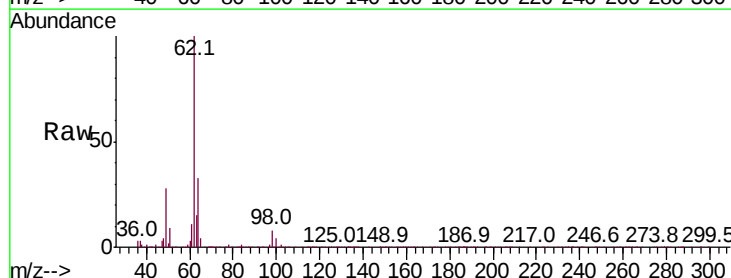
Acq: 8 Oct 2018 10:51

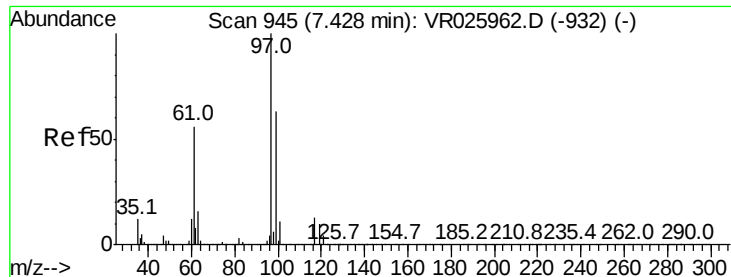
Tgt Ion: 62 Resp: 165292

Ion Ratio Lower Upper

62 100

98 7.6 5.2 7.8

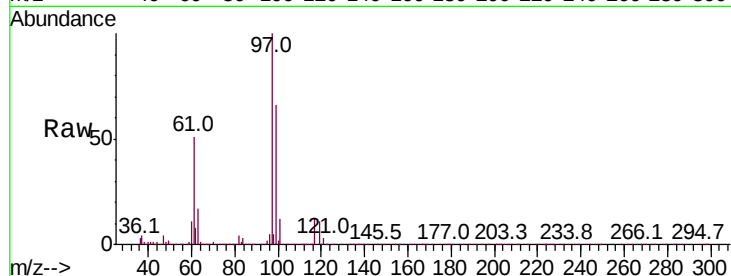




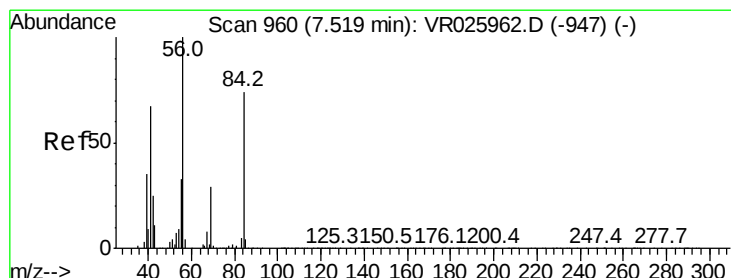
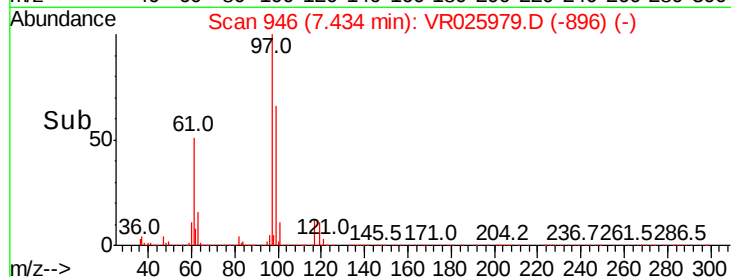
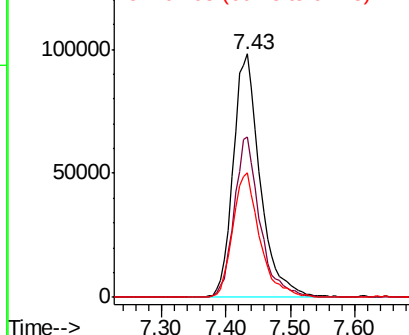
#29
1,1,1-Trichloroethane
Concen: 4.662 ug/L
RT: 7.43 min Scan# 946
Delta R.T. 0.01 min
Lab File: VR025979.D
Acq: 8 Oct 2018 10:51

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.0	76.6
61	51.2	41.6	62.4

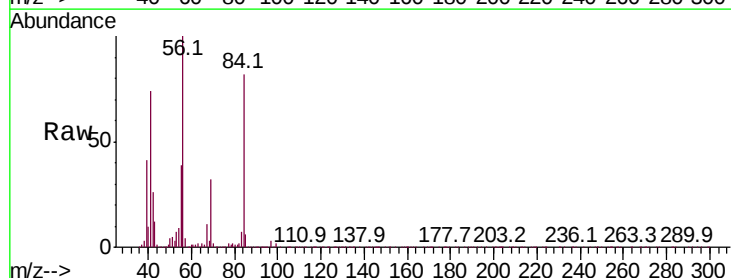


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

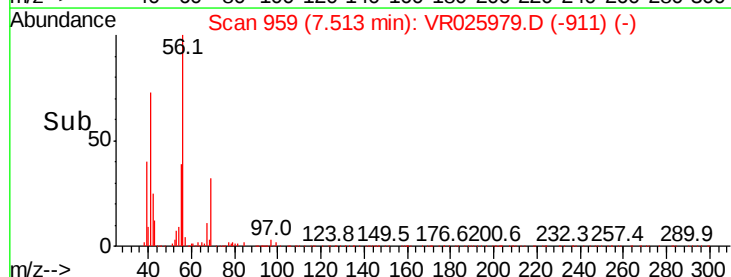
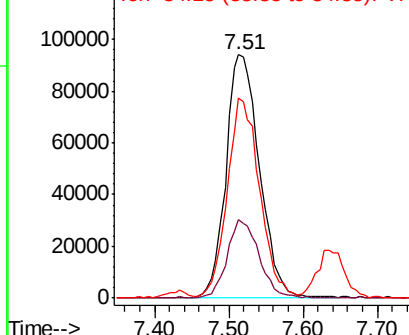


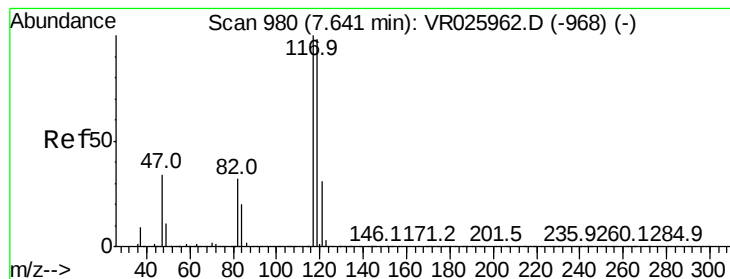
#30
Cyclohexane
Concen: 3.847 ug/L
RT: 7.51 min Scan# 959
Delta R.T. -0.01 min
Lab File: VR025979.D
Acq: 8 Oct 2018 10:51

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.8	37.2
84	78.6	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: 4.899 ug/L

RT: 7.64 min Scan# 980

Delta R.T. -0.00 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

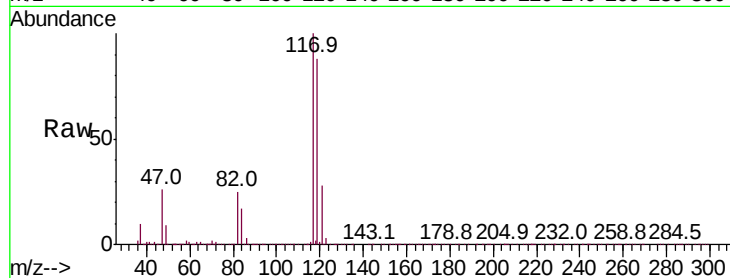
Instrument :
MSVOA_R
ClientSampled :

Tot Ion:117 Resp: 260644

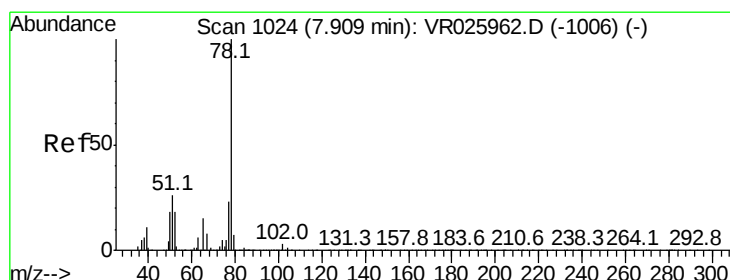
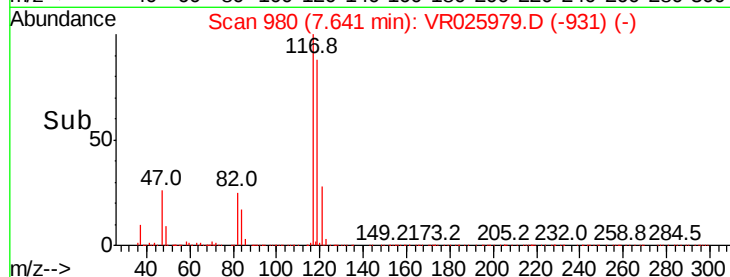
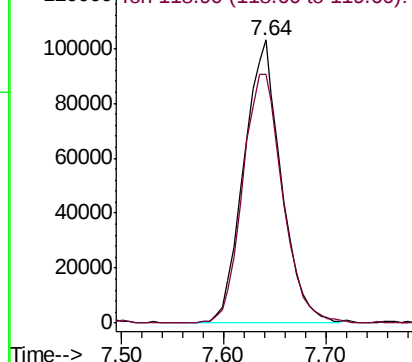
Ion Ratio Lower Upper

117 100

119 94.5 75.6 113.4



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



#33

Benzene

Concen: 4.134 ug/L

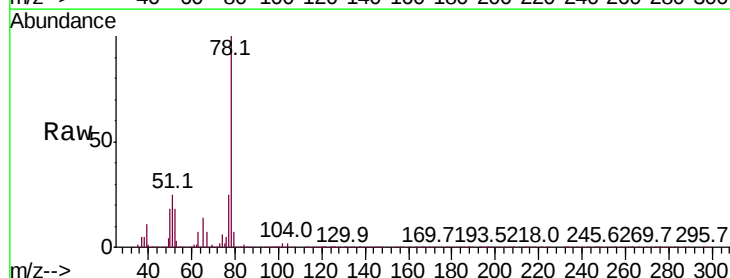
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

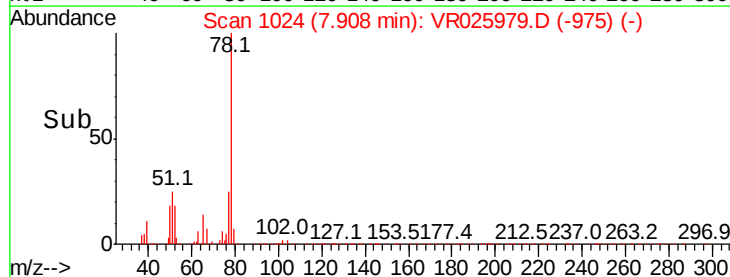
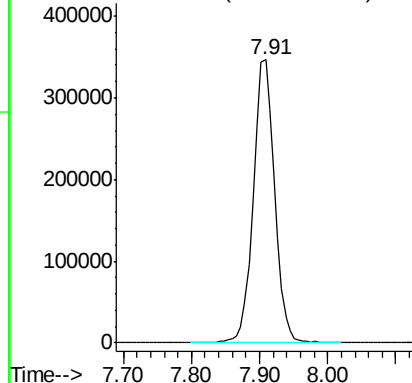
Lab File: VR025979.D

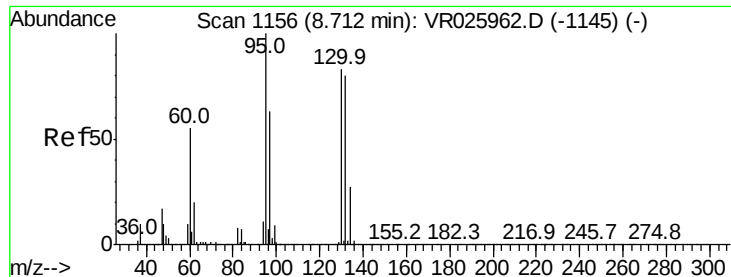
Acq: 8 Oct 2018 10:51

Tgt Ion: 78 Resp: 757589



Abundance Ion 78.10 (77.80 to 78.80): VR0

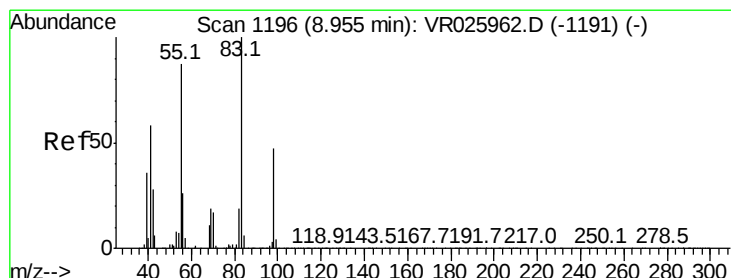
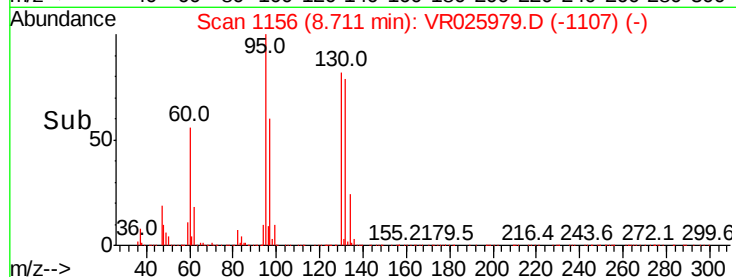
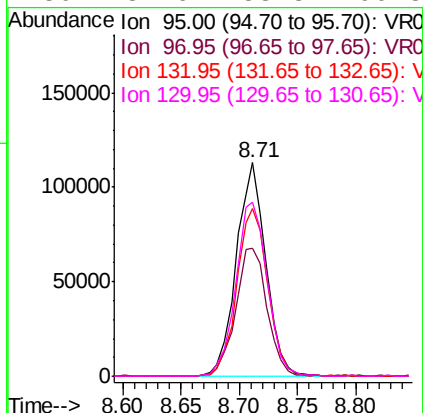
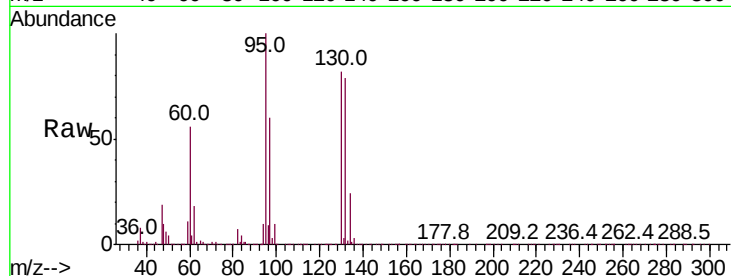




#34
 Trichloroethene
 Concen: 4.120 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VR025979.D
 Acq: 8 Oct 2018 10:51

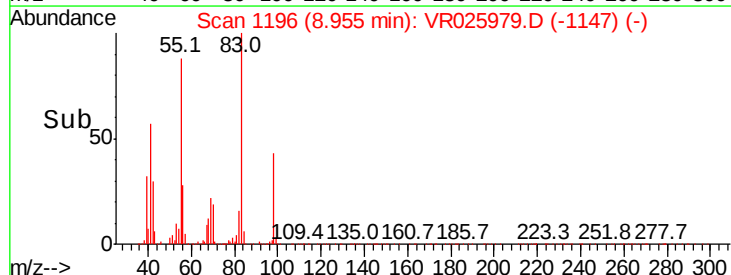
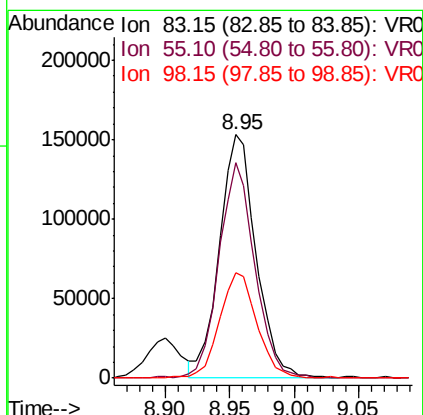
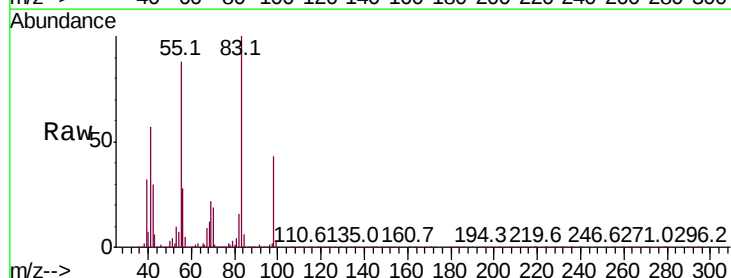
Instrument :
 MSVOA_R
 ClientSampleId :

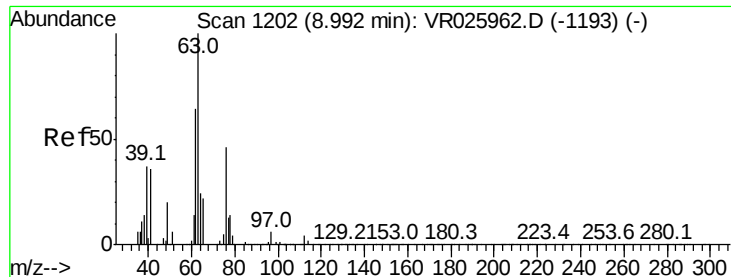
Tot Ion:	95	Resp:	198911
Ion	Ratio	Lower	Upper
95	100		
97	59.8	43.9	81.5
132	78.6	53.3	98.9
130	81.6	53.8	99.8



#35
 Methylcyclohexane
 Concen: 4.176 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR025979.D
 Acq: 8 Oct 2018 10:51

Tgt Ion:	83	Resp:	303201
Ion	Ratio	Lower	Upper
83	100		
55	87.2	71.8	107.6
98	44.5	34.2	51.4





#37

1,2-Dichloropropane

Concen: 4.207 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. -0.00 min

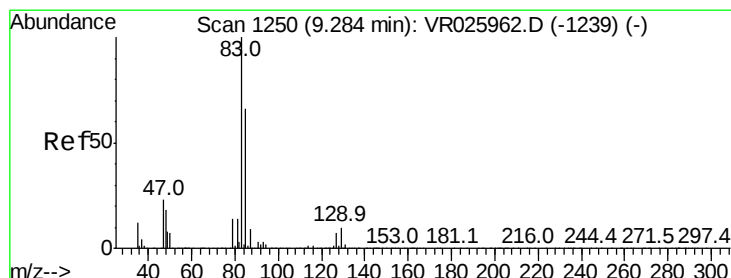
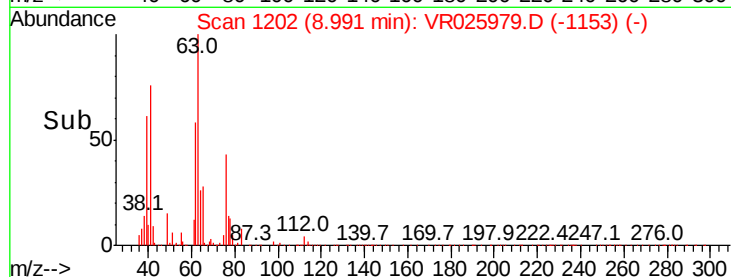
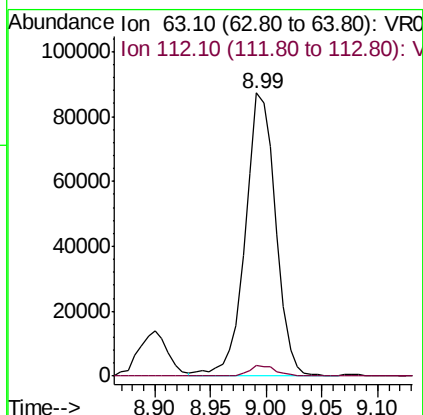
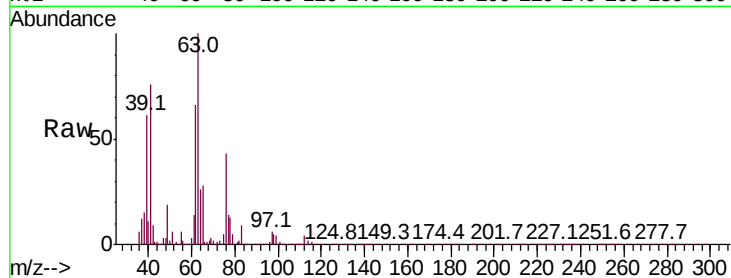
Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 165377

Ion	Ratio	Lower	Upper
63	100		
112	3.5	2.5	3.7



#38

Bromodichloromethane

Concen: 4.401 ug/L

RT: 9.28 min Scan# 1250

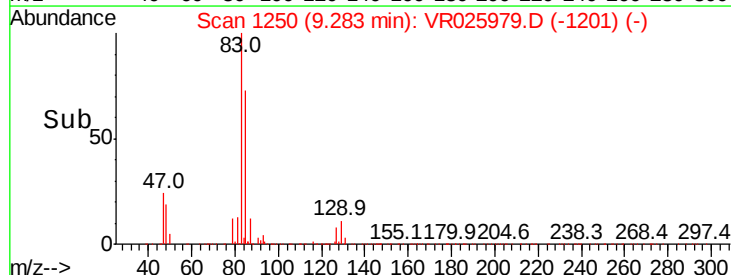
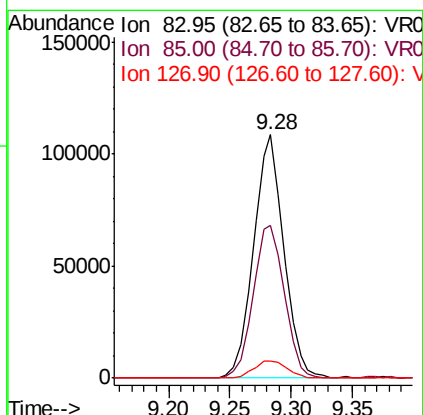
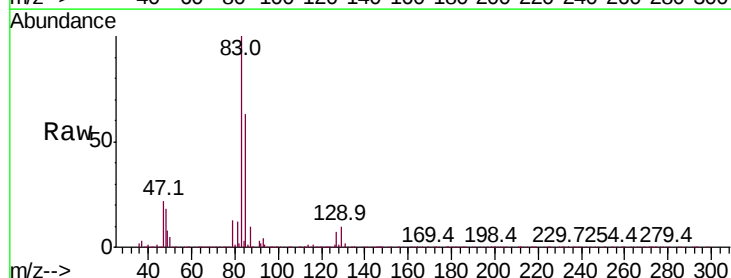
Delta R.T. -0.00 min

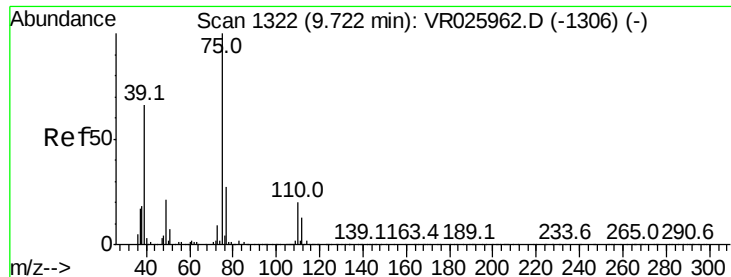
Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

Tgt Ion: 83 Resp: 186675

Ion	Ratio	Lower	Upper
83	100		
85	62.7	42.8	79.4
127	7.2	5.6	8.4

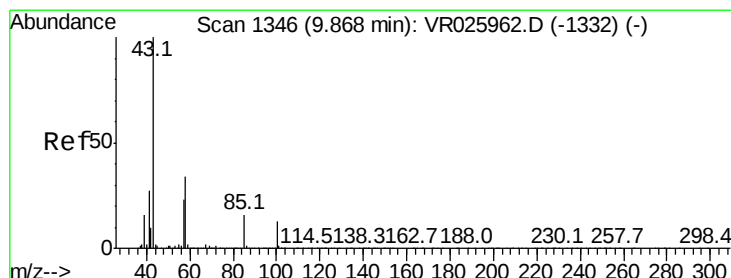
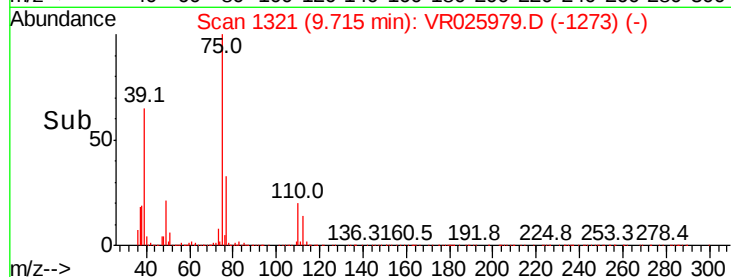
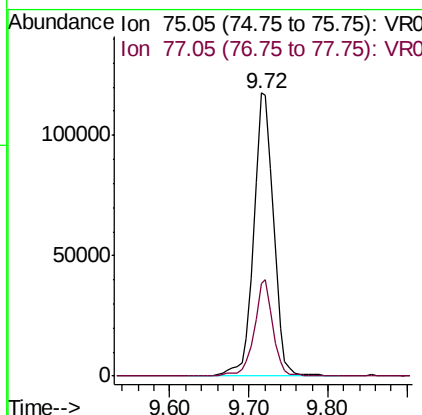
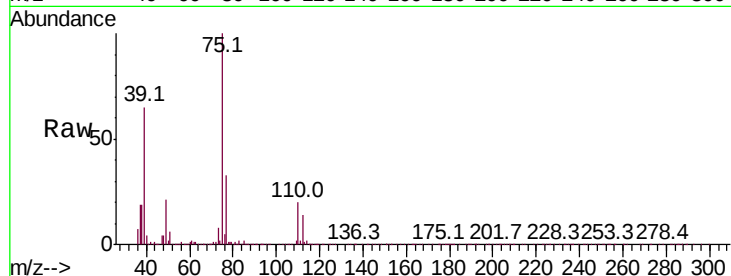




#39
 cis-1,3-Dichloropropene
 Concen: 4.674 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VR025979.D
 Acq: 8 Oct 2018 10:51

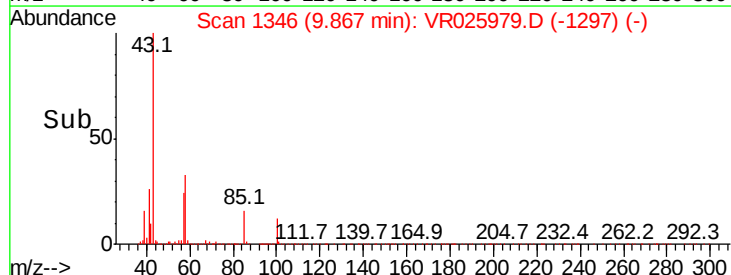
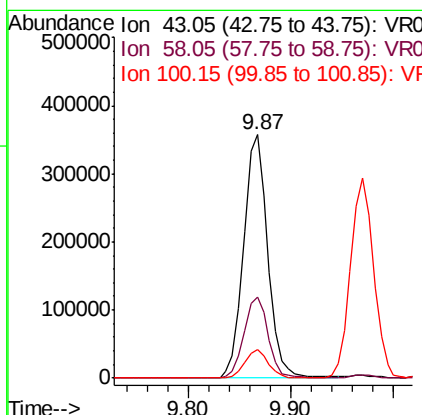
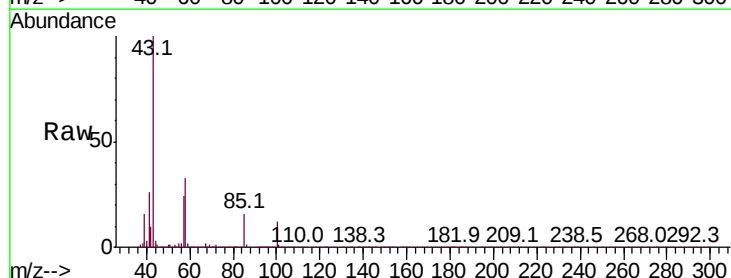
Instrument :
 MSVOA_R
 ClientSampleId :

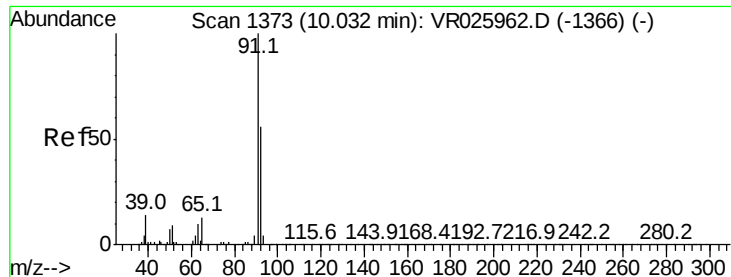
Tot Ion: 75 Resp: 206032
 Ion Ratio Lower Upper
 75 100
 77 33.0 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 42.185 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VR025979.D
 Acq: 8 Oct 2018 10:51

Tgt Ion: 43 Resp: 583135
 Ion Ratio Lower Upper
 43 100
 58 33.9 28.6 43.0
 100 11.6 9.0 13.4





#42

Toluene

Concen: 4.316 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

Instrument :

MSVOA_R

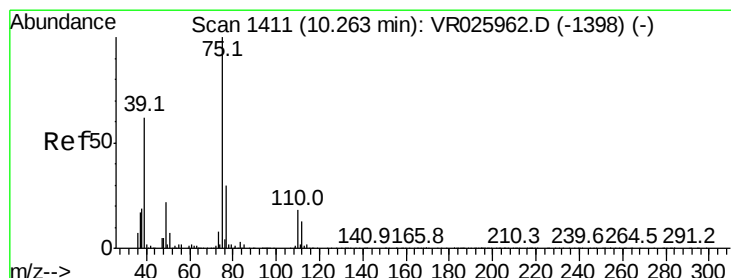
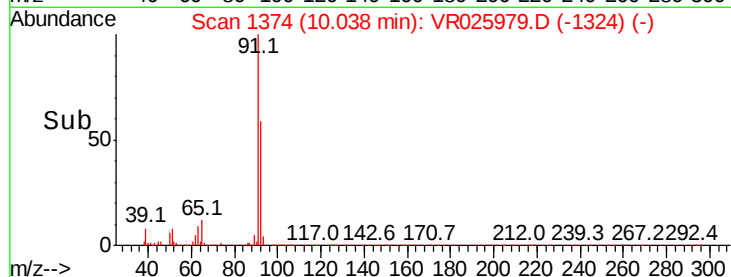
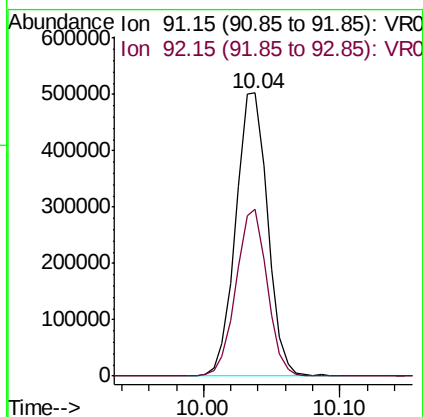
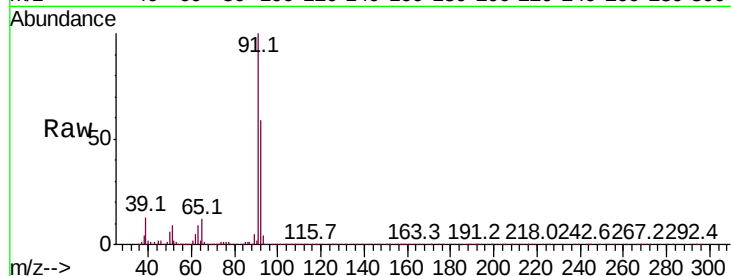
ClientSampleId :

Tot Ion: 91 Resp: 821779

Ion Ratio Lower Upper

91 100

92 58.8 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 5.026 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025979.D

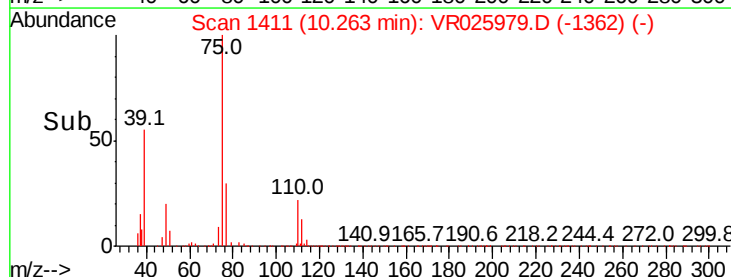
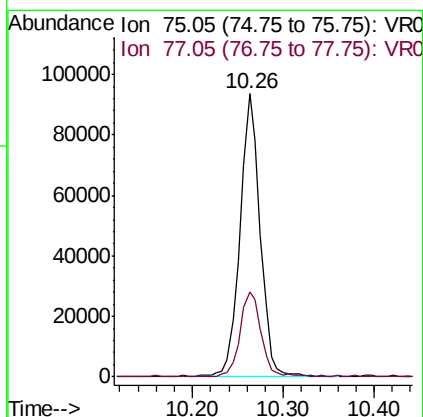
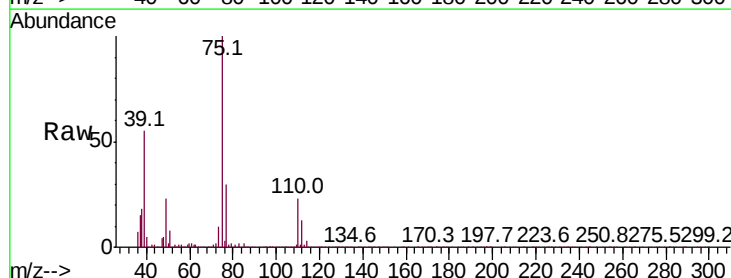
Acq: 8 Oct 2018 10:51

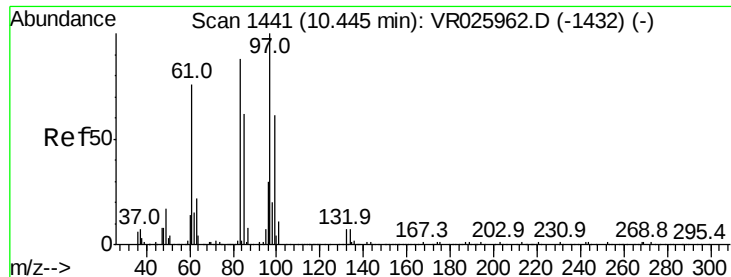
Tgt Ion: 75 Resp: 144643

Ion Ratio Lower Upper

75 100

77 29.8 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 4.103 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

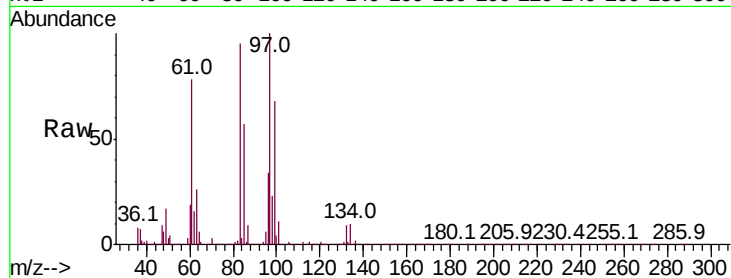
Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 97 Resp: 72956

Ion	Ratio	Lower	Upper
97	100		
99	68.2	39.6	73.6
83	95.0	62.2	115.6
85	57.4	39.1	72.7



Abundance

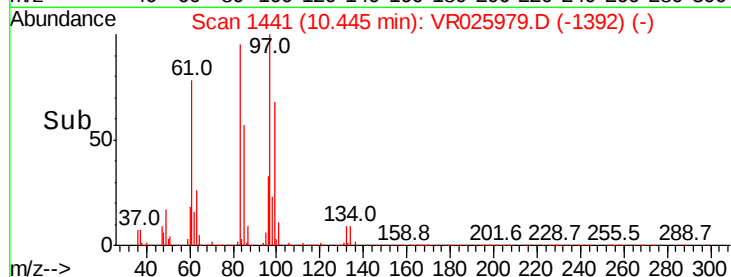
Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

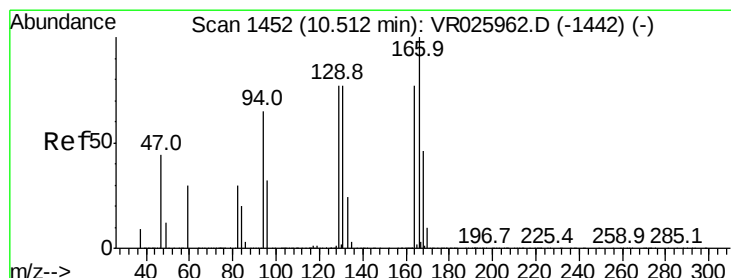
Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Time-->



Time-->



#47

Tetrachloroethene

Concen: 4.523 ug/L

RT: 10.51 min Scan# 1452

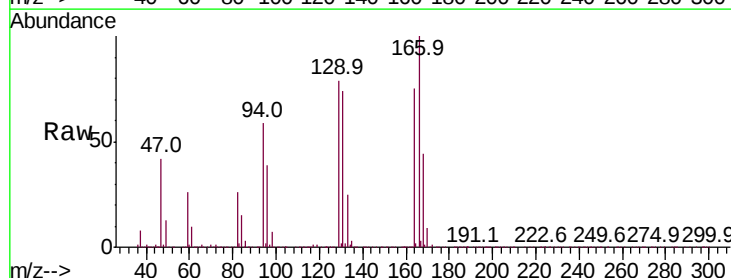
Delta R.T. -0.00 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

Tgt Ion: 164 Resp: 134567

Ion	Ratio	Lower	Upper
164	100		
129	105.3	80.8	150.2
131	97.7	74.5	138.3
166	132.7	92.5	171.7



Abundance

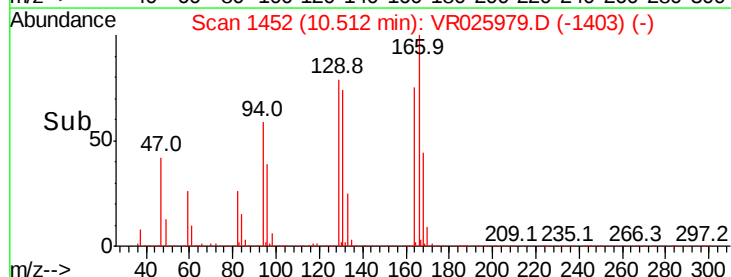
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

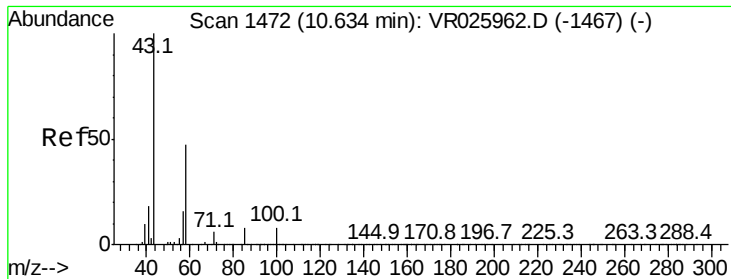
Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

Time-->



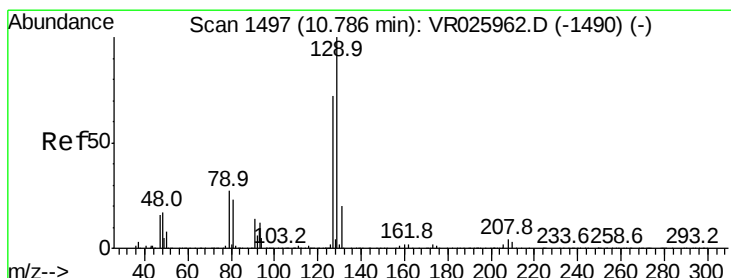
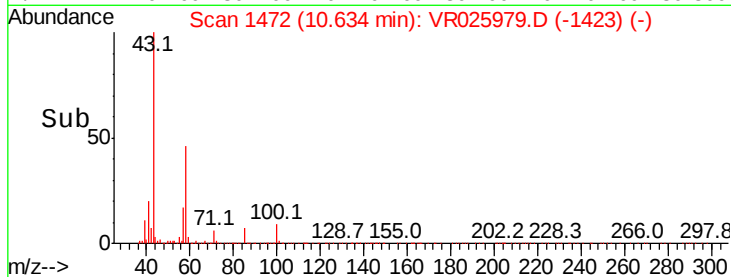
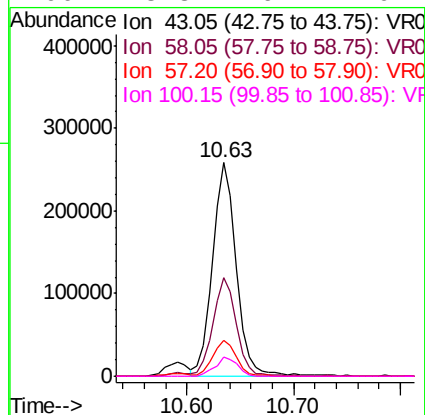
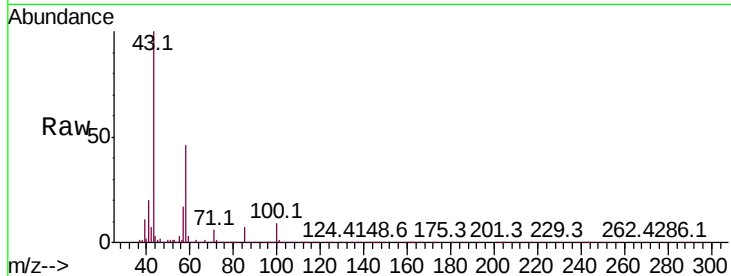
Time-->



#48
2-Hexanone
Concen: 43.344 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025979.D
Acq: 8 Oct 2018 10:51

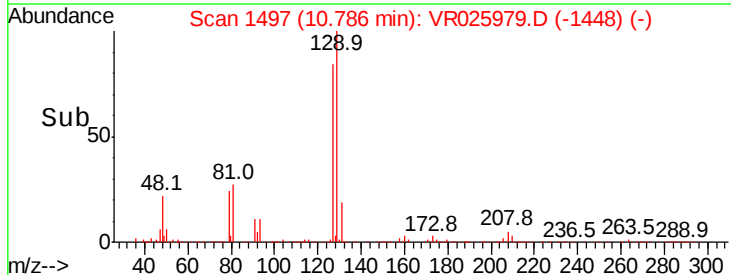
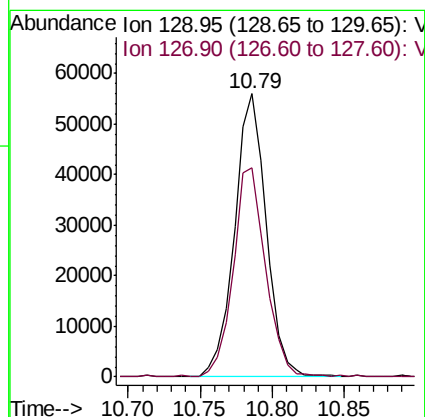
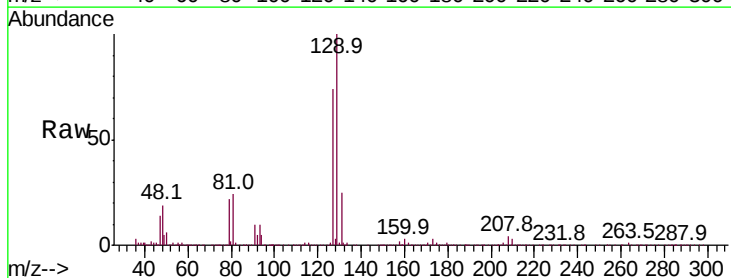
Instrument :
MSVOA_R
ClientSampleId :

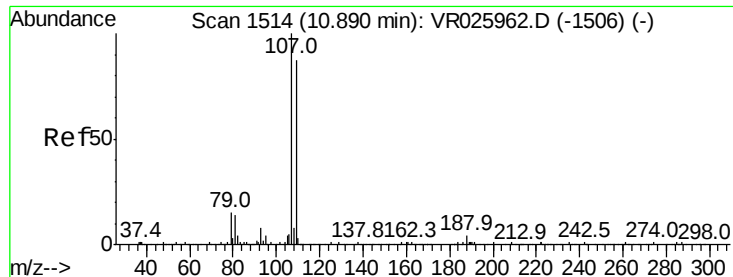
Tot Ion:	43	Resp:	392289
Ion	Ratio	Lower	Upper
43	100		
58	45.5	39.5	59.3
57	16.8	14.6	21.8
100	8.3	6.7	10.1



#49
Dibromochloromethane
Concen: 4.751 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025979.D
Acq: 8 Oct 2018 10:51

Tgt Ion:	129	Resp:	85743
Ion	Ratio	Lower	Upper
129	100		
127	74.0	54.1	100.5

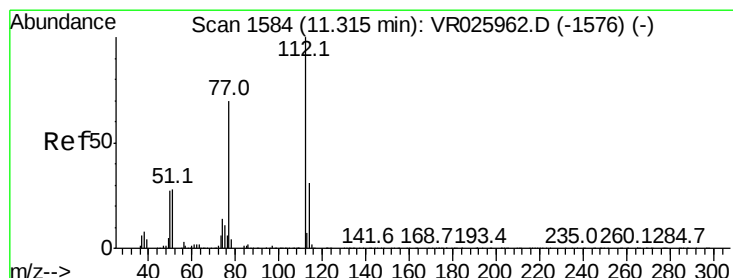
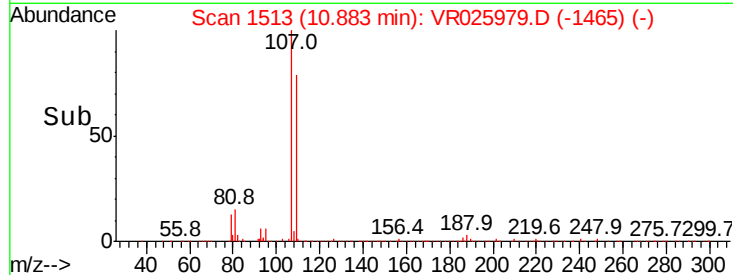
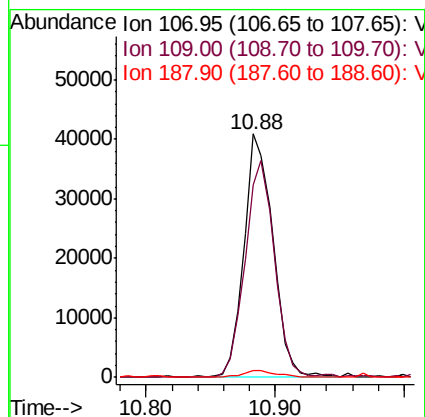
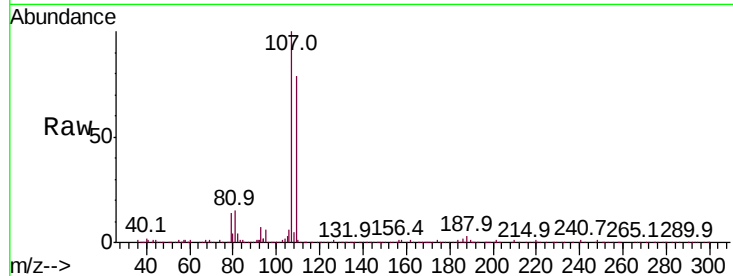




#50
 1,2-Dibromoethane
 Concen: 4.516 ug/L
 RT: 10.88 min Scan# 1513
 Delta R.T. -0.01 min
 Lab File: VR025979.D
 Acq: 8 Oct 2018 10:51

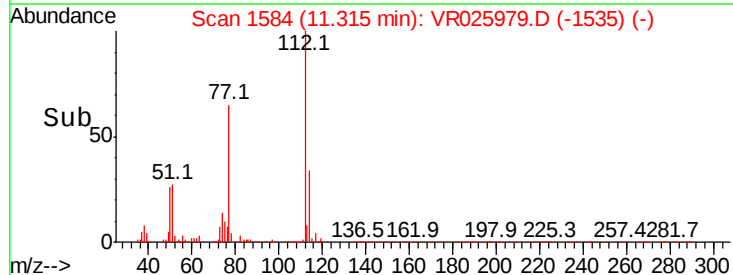
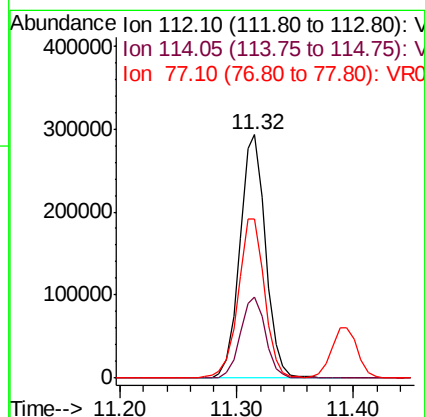
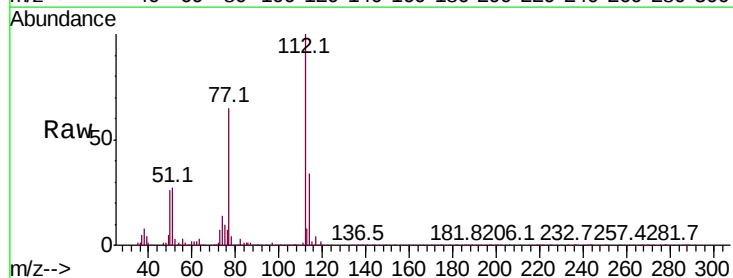
Instrument :
 MSVOA_R
 ClientSampled :

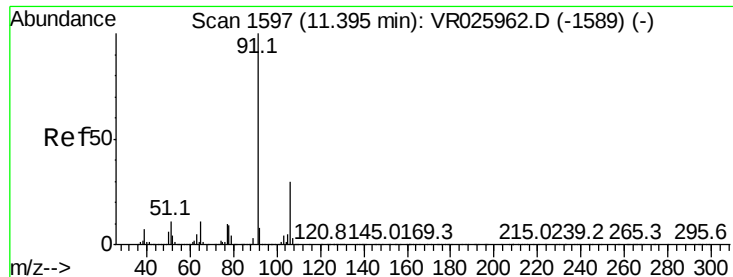
Tot Ion	Ratio	Lower	Upper
107	100		
109	79.0	63.5	117.9
188	2.9	1.7	2.5#



#51
 Chlorobenzene
 Concen: 4.445 ug/L
 RT: 11.32 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VR025979.D
 Acq: 8 Oct 2018 10:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.5	22.7	42.3
77	65.1	58.5	87.7





#52

Ethylbenzene

Concen: 4.437 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

Instrument :

MSVOA_R

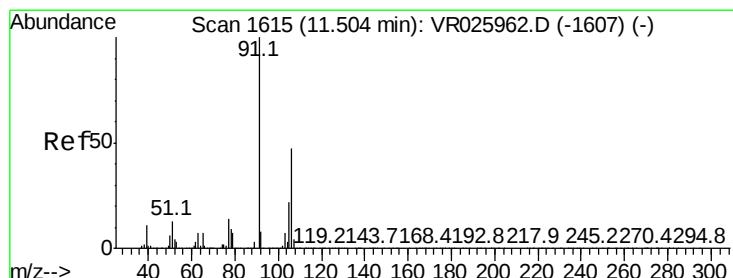
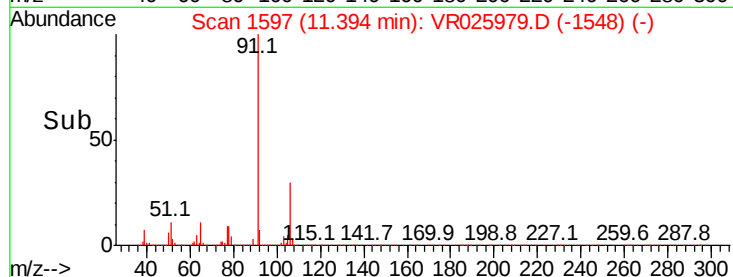
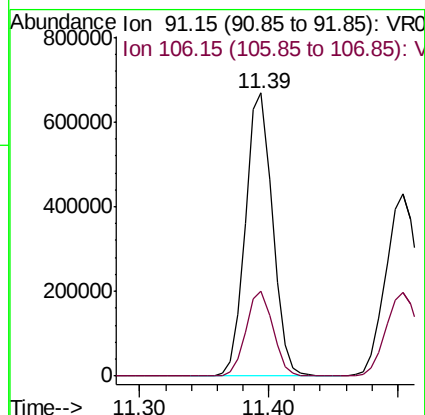
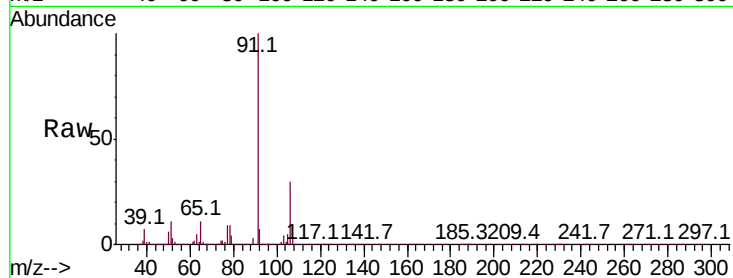
ClientSampled :

Tot Ion: 91 Resp: 964404

Ion Ratio Lower Upper

91 100

106 30.1 20.6 38.4



#53

m,p-Xylene

Concen: 4.495 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025979.D

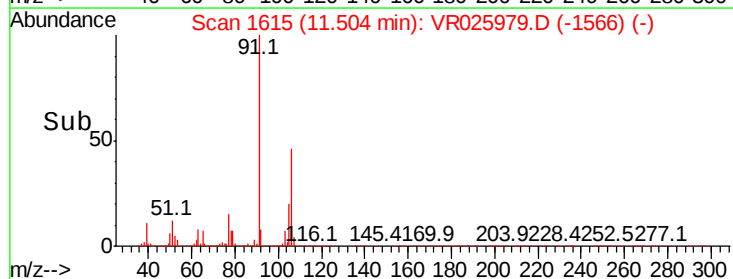
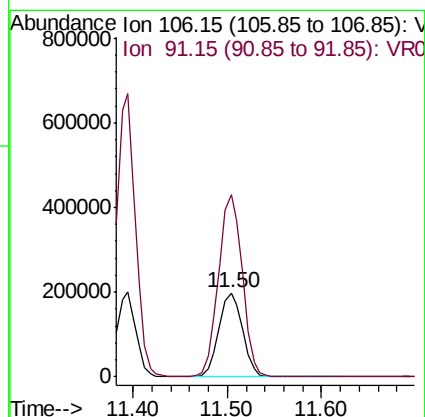
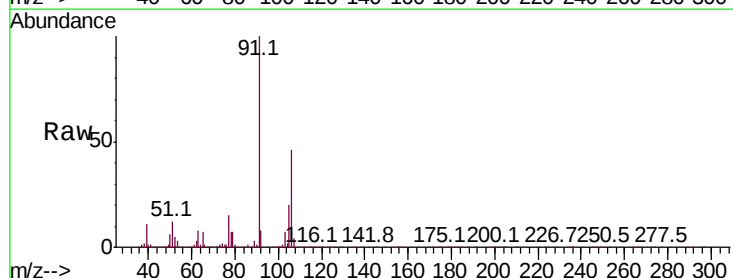
Acq: 8 Oct 2018 10:51

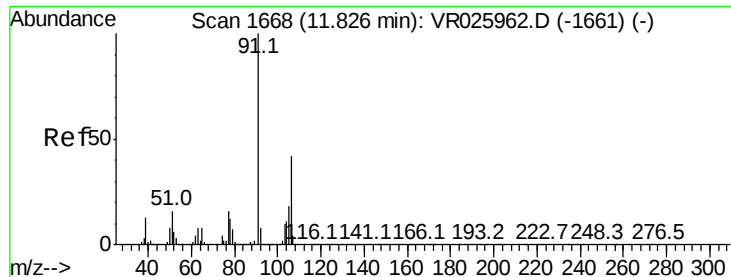
Tgt Ion: 106 Resp: 347807

Ion Ratio Lower Upper

106 100

91 217.9 159.7 296.5

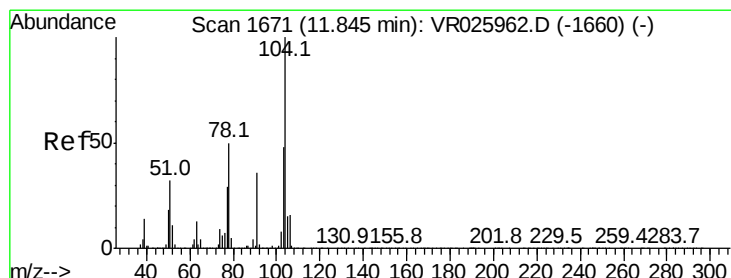
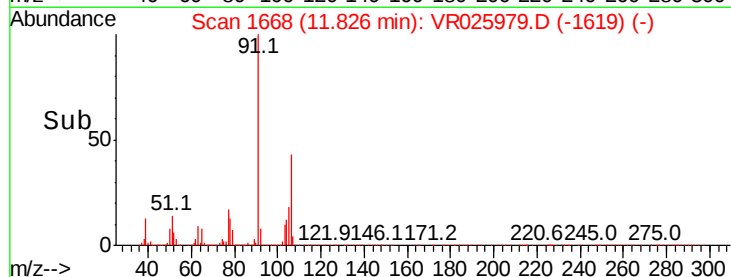
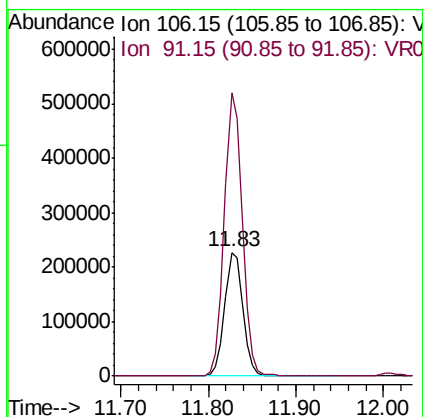
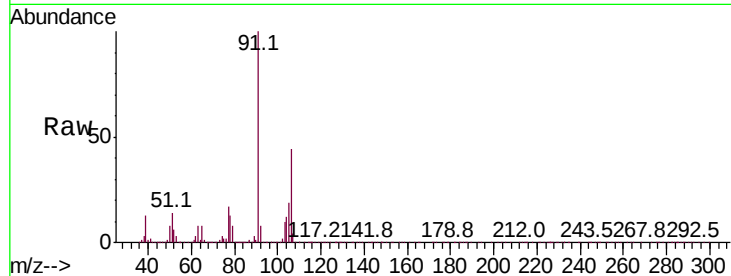




#54
o-Xylene
Concen: 4.546 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR025979.D
Acq: 8 Oct 2018 10:51

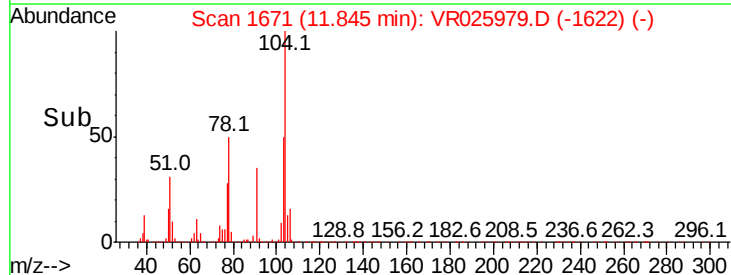
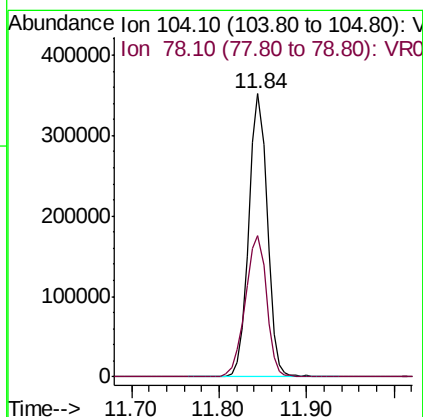
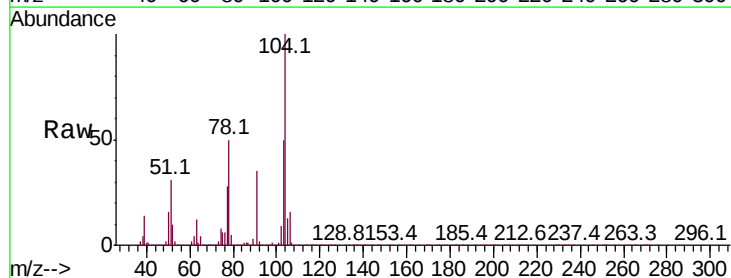
Instrument :
MSVOA_R
ClientSampled :

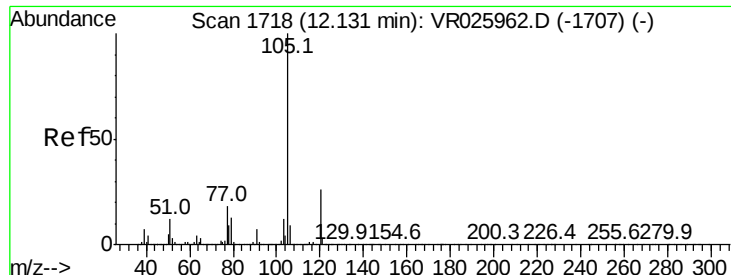
Tot Ion:106 Resp: 327442
Ion Ratio Lower Upper
106 100
91 229.2 164.5 305.5



#55
Styrene
Concen: 4.588 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025979.D
Acq: 8 Oct 2018 10:51

Tgt Ion:104 Resp: 514347
Ion Ratio Lower Upper
104 100
78 49.9 39.3 72.9





#56

Isopropylbenzene

Concen: 4.692 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

Instrument :

MSVOA_R

ClientSampled :

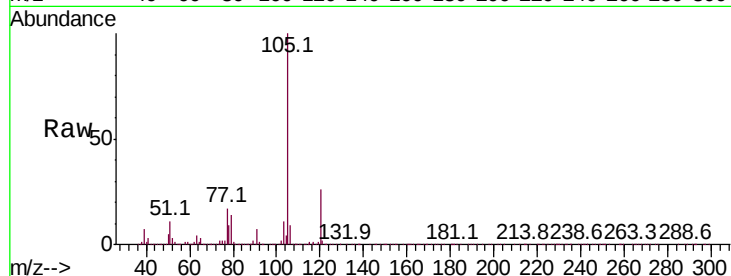
Tot Ion:105 Resp: 932106

Ion Ratio Lower Upper

105 100

120 25.3 19.8 29.8

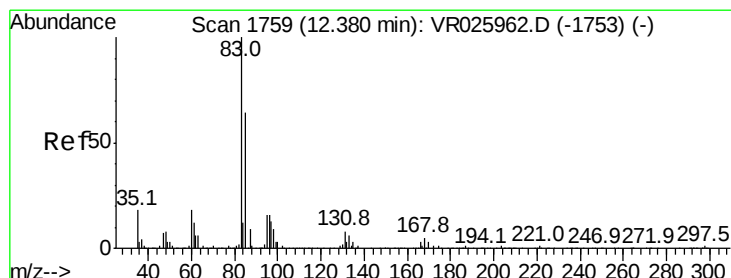
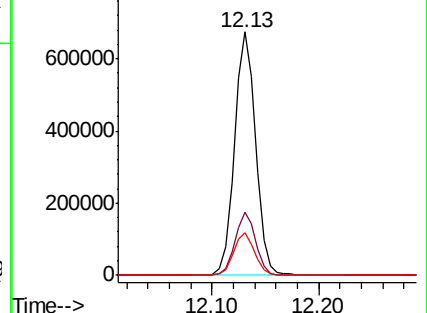
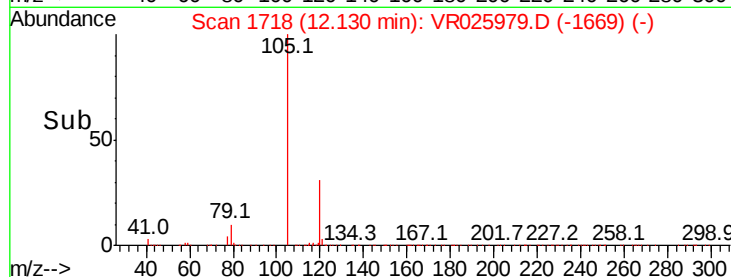
77 17.6 15.5 23.3



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): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 4.130 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

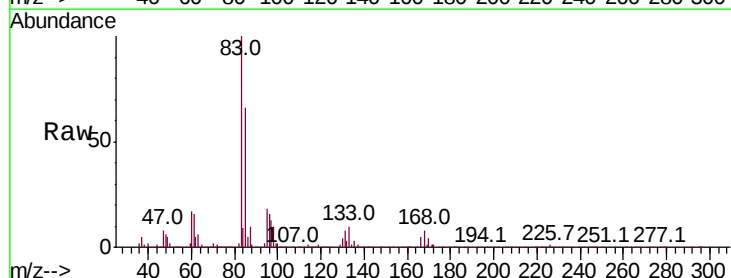
Tgt Ion: 83 Resp: 70765

Ion Ratio Lower Upper

83 100

85 65.5 45.8 85.0

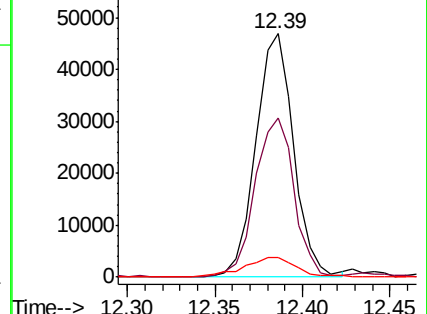
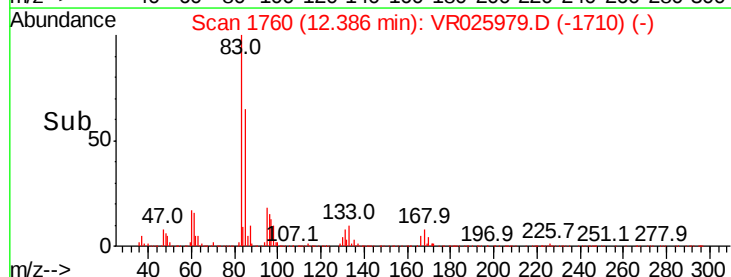
131 8.0 6.6 9.8

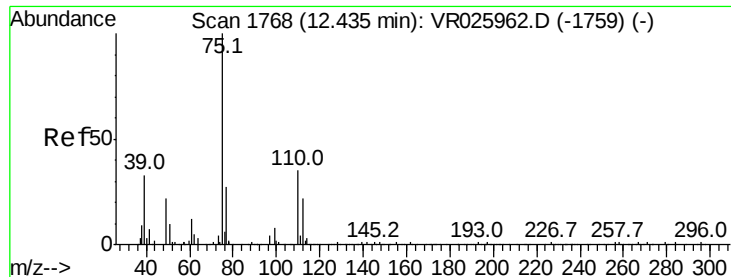


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.127 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

Instrument :

MSVOA_R

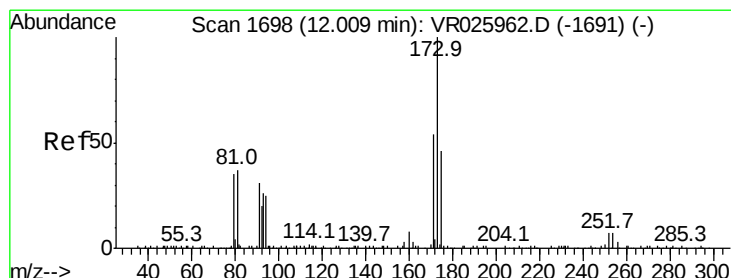
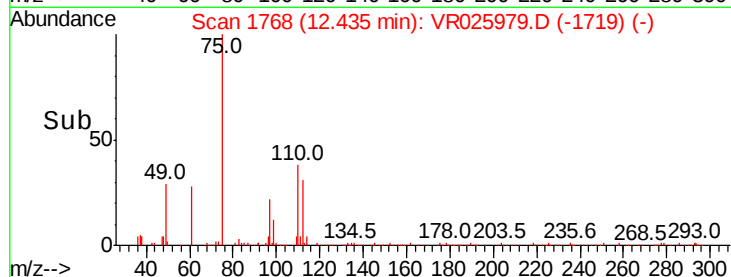
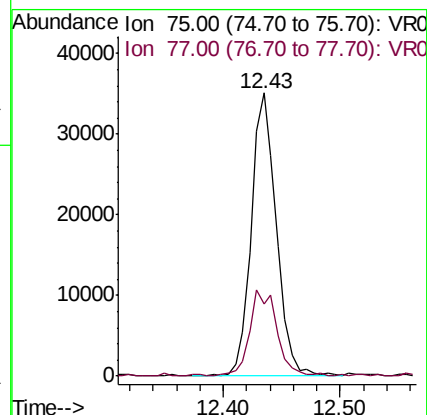
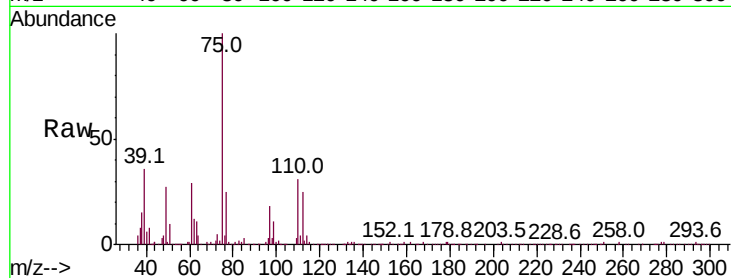
ClientSampleId :

Tot Ion: 75 Resp: 52626

Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.6



#61

Bromoform

Concen: 4.670 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

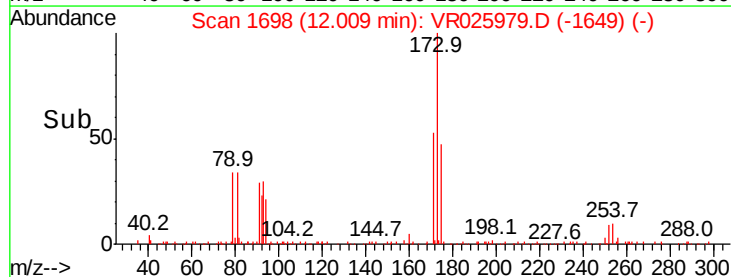
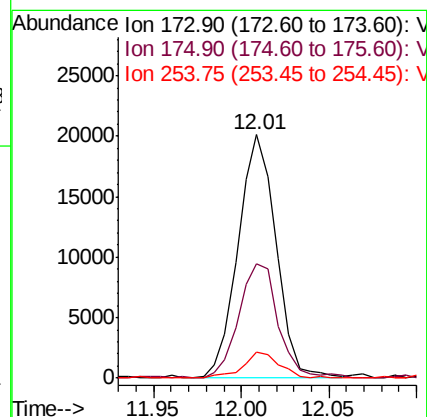
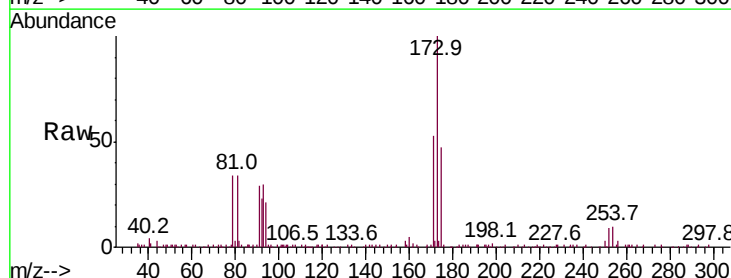
Tgt Ion: 173 Resp: 30381

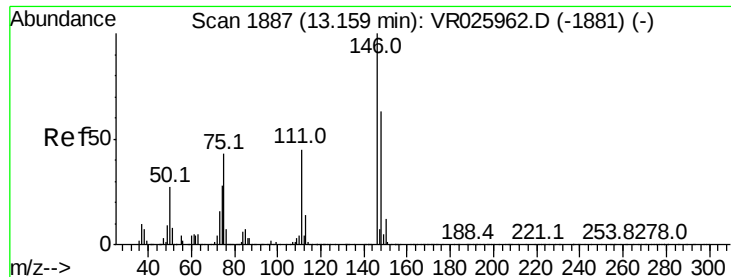
Ion Ratio Lower Upper

173 100

175 49.3 36.9 55.3

254 10.5 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 4.363 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.00 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

Instrument :

MSVOA_R

ClientSampleId :

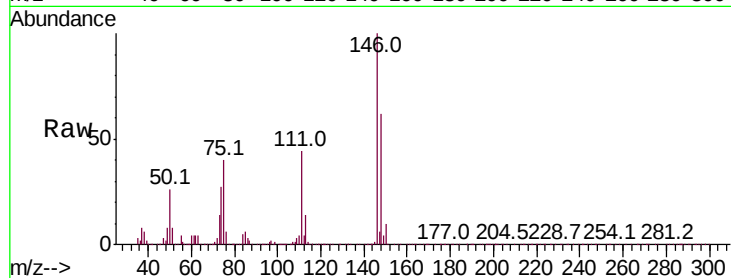
Tot Ion:146 Resp: 274375

Ion Ratio Lower Upper

146 100

111 43.9 36.6 68.0

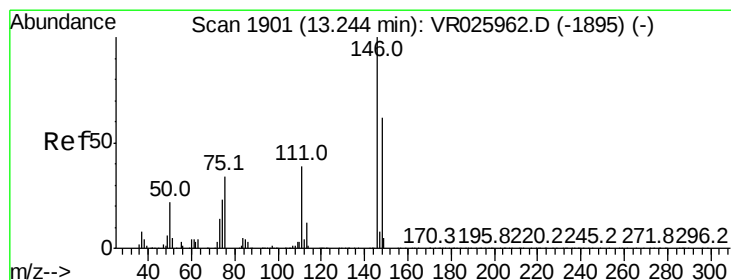
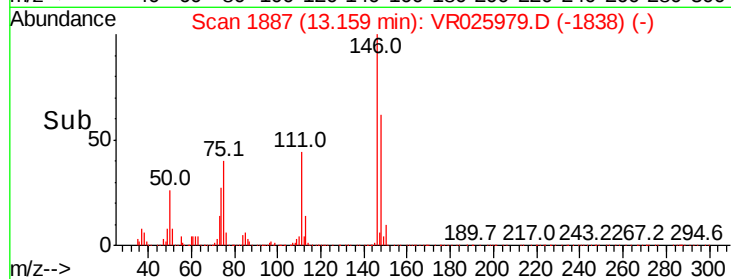
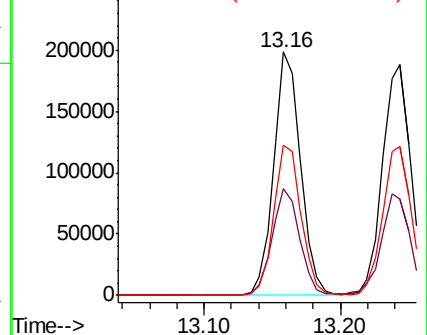
148 61.9 41.9 77.7



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: 4.246 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

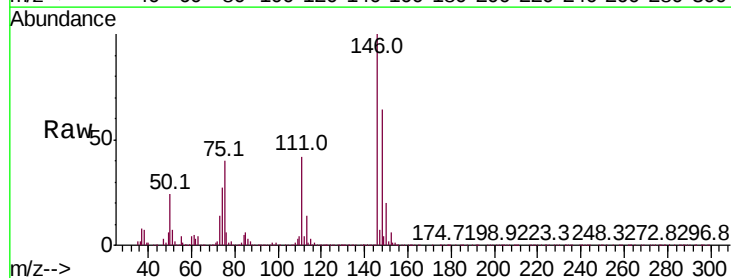
Tgt Ion:146 Resp: 273197

Ion Ratio Lower Upper

146 100

111 41.6 32.9 61.1

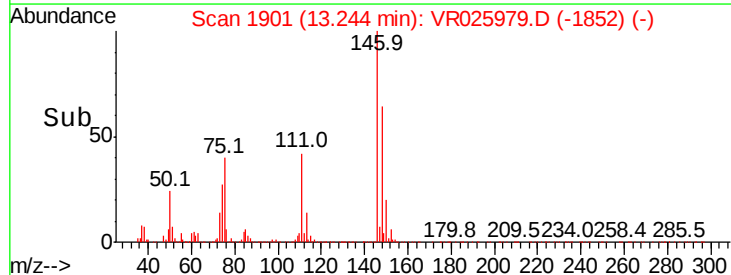
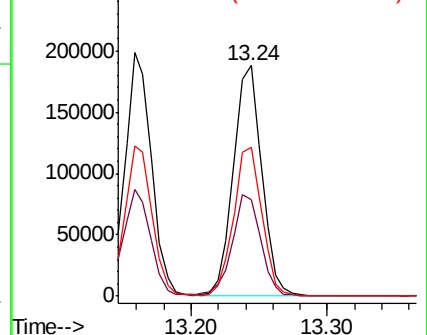
148 64.3 45.5 84.5

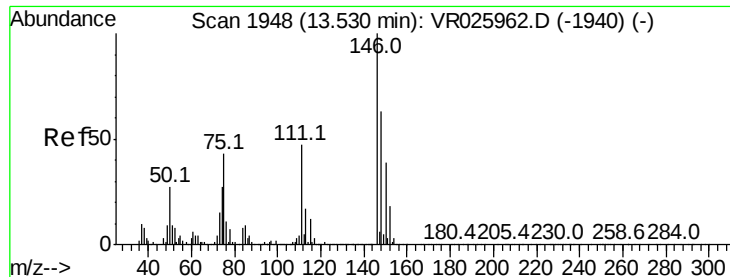


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

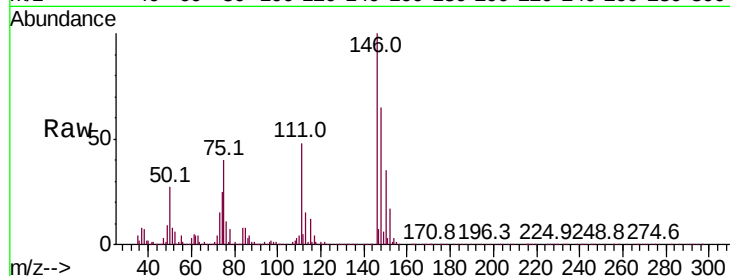




#65
 1,2-Dichlorobenzene
 Concen: 4.256 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR025979.D
 Acq: 8 Oct 2018 10:51

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	39.4	59.0
148	65.4	53.5	80.3

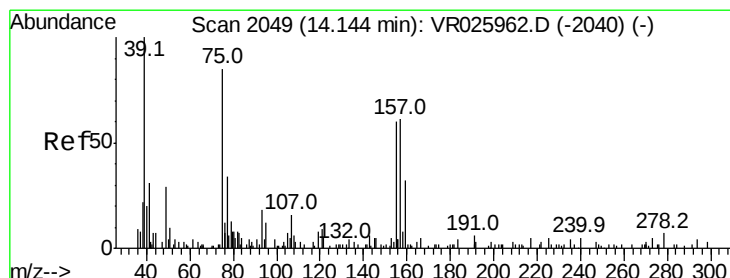
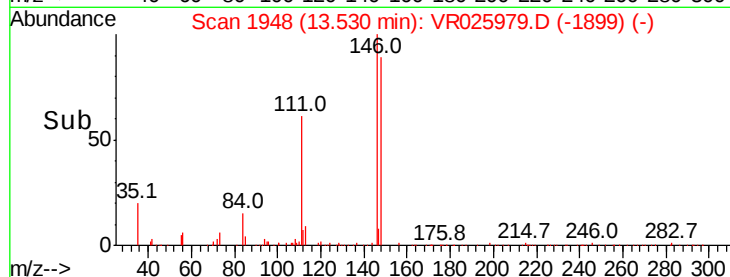
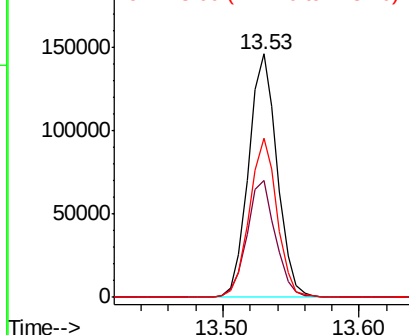


Abundance

Ion 145.95 (145.65 to 146.65): V

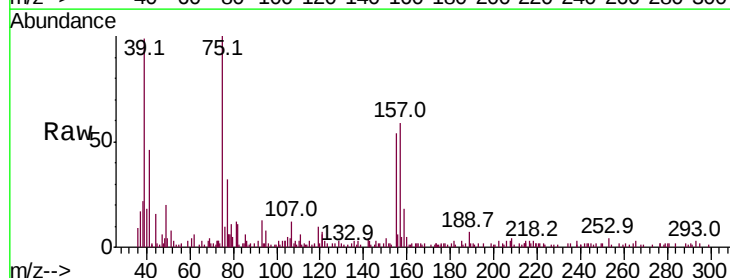
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.569 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR025979.D
 Acq: 8 Oct 2018 10:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	53.8	37.8	56.6
157	59.4	49.7	74.5

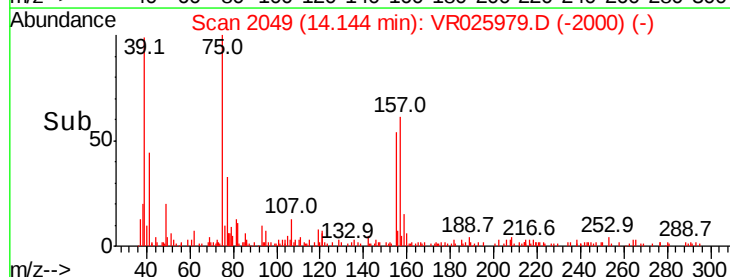
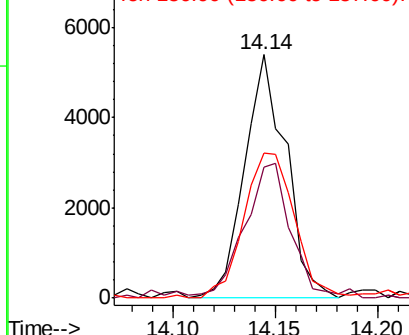


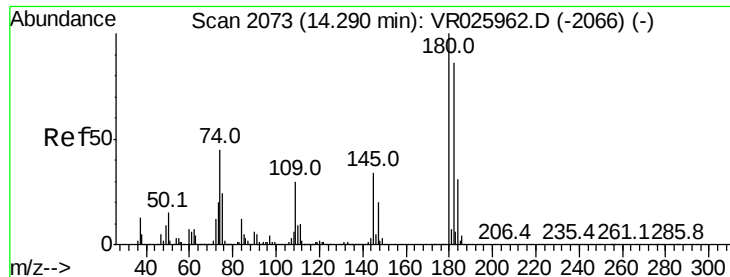
Abundance

Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

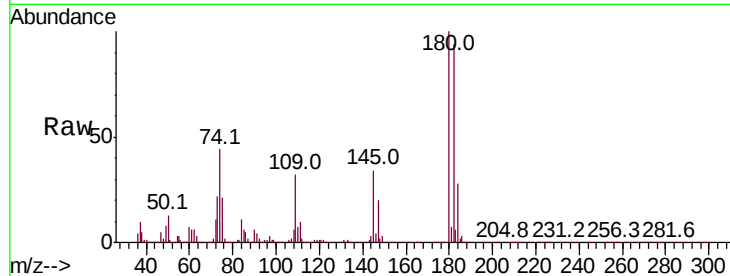




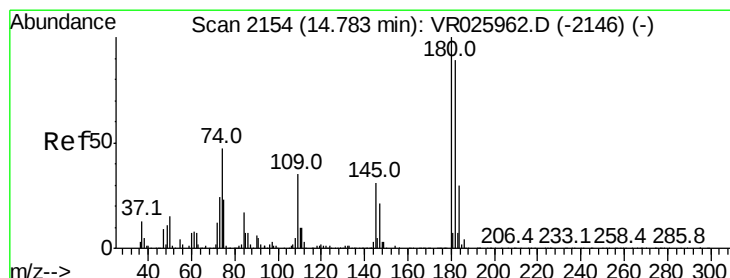
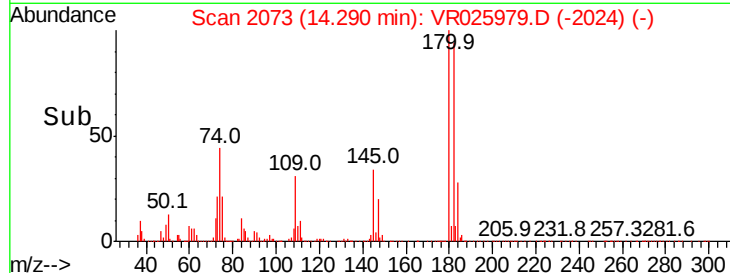
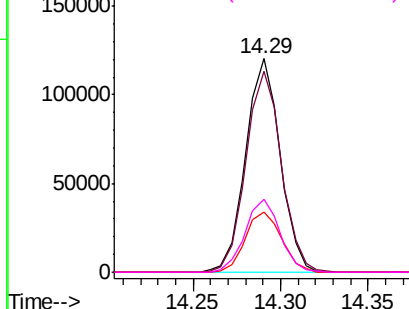
#67
 1,3,5-Trichlorobenzene
 Concen: 4.410 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025979.D
 Acq: 8 Oct 2018 10:51

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	180	Resp:	165193
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.2	115.8
184	29.8	24.5	36.7
145	34.5	31.1	46.7

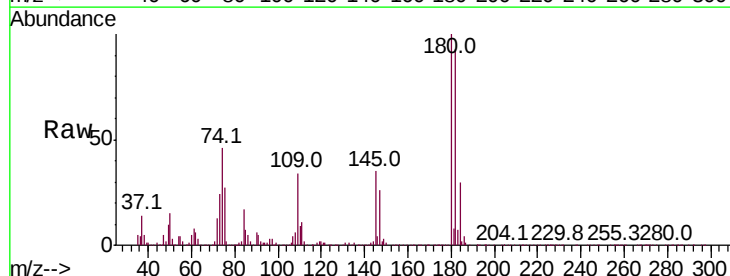


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

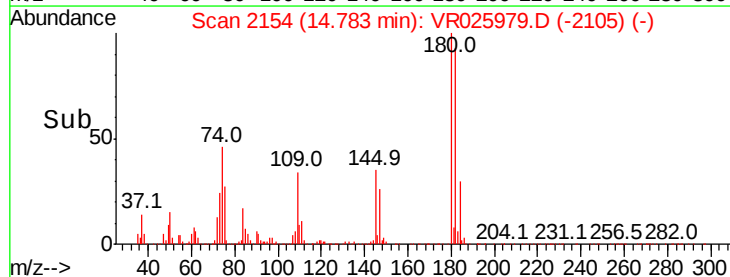
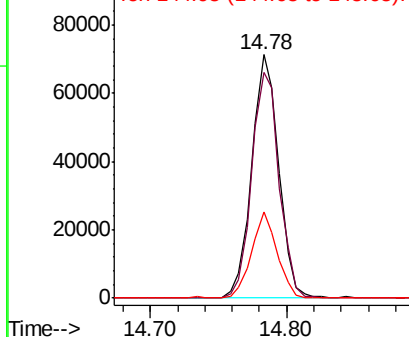


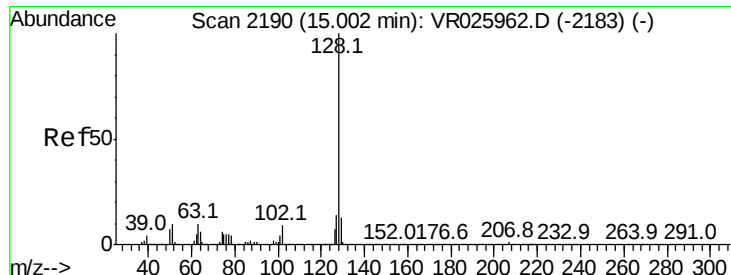
#68
 1,2,4-trichlorobenzene
 Concen: 4.161 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025979.D
 Acq: 8 Oct 2018 10:51

Tgt Ion:	180	Resp:	99367
Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.2	112.8
145	33.6	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: 3.949 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025979.D

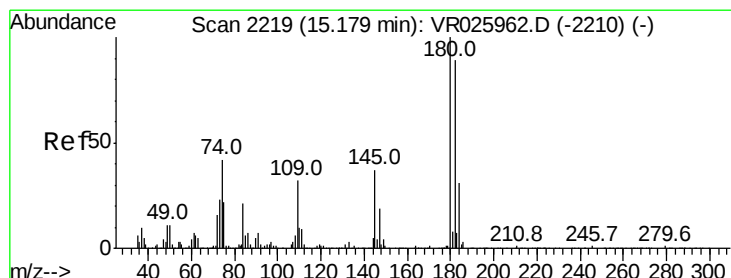
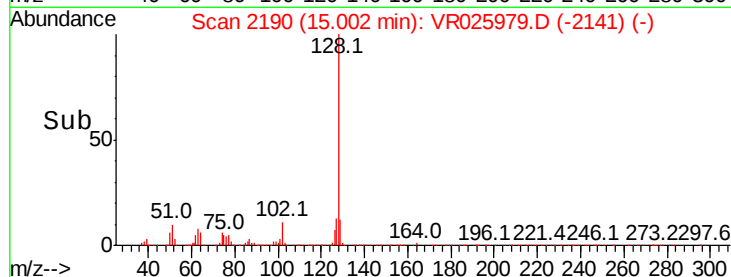
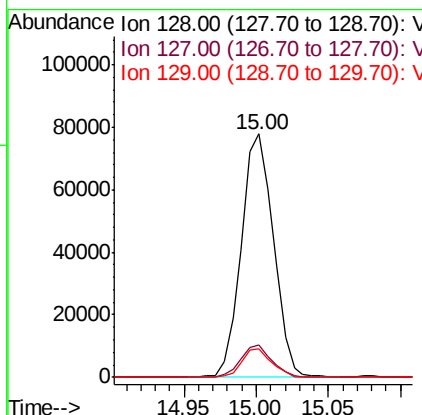
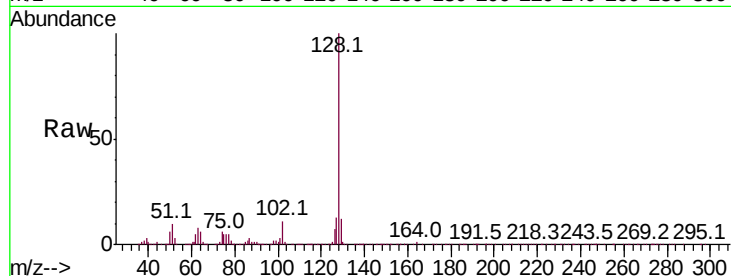
Acq: 8 Oct 2018 10:51

Instrument :

MSVOA_R

ClientSampled :

Tot Ion:	128	Resp:	120357
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	11.2	9.4	14.2



#70

1,2,3-Trichlorobenzene

Concen: 4.321 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025979.D

Acq: 8 Oct 2018 10:51

Tgt Ion:	180	Resp:	71597
Ion	Ratio	Lower	Upper
180	100		
182	96.7	74.7	112.1
145	36.6	31.3	46.9

