

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100518\
 Data File : VR025950.D
 Acq On : 5 Oct 2018 10:03
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 06 04:16:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 05 04:42:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	498227	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	429883	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	164494	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	225669	5.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.80%
7) Chloroethane-d5	2.63	69	187482	5.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.80%
11) 1,1-Dichloroethene-d2	3.63	63	509003	5.52	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.40%
20) 2-Butanone-d5	6.59	46	204950	46.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.58%
24) Chloroform-d	7.20	84	347790	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	7.89	65	148951	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	7.85	84	707220	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	8.90	67	188376	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	9.97	98	683694	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	10.24	79	47320	5.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.20%
46) 2-Hexanone-d5	10.59	63	158386	47.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.92%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	73588	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	129859	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	142123	4.693 ug/L	95
3) Chloromethane	2.01	50	222535	5.168 ug/L	100
5) Vinyl chloride	2.17	62	214577	5.006 ug/L	95
6) Bromomethane	2.52	94	142638	5.330 ug/L	100
8) Chloroethane	2.66	64	131498	5.392 ug/L	95
9) Trichlorofluoromethane	2.93	101	112466	1.890 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	196654	5.406 ug/L	95
12) 1,1-Dichloroethene	3.64	96	198470	5.277 ug/L	92
13) Acetone	3.70	43	155563	49.002 ug/L	92
14) Carbon disulfide	3.94	76	489518	5.376 ug/L	98
15) Methyl Acetate	4.20	43	37151	4.221 ug/L	93
16) Methylene chloride	4.40	84	166616	4.818 ug/L	97
17) Methyl tert-butyl Ether	4.90	73	194109	4.661 ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	154805	4.977 ug/L	90
19) 1,1-Dichloroethane	5.69	63	293868	4.772 ug/L	99
21) 2-Butanone	6.69	43	199526	45.694 ug/L	95
22) cis-1,2-Dichloroethene	6.68	96	147552	4.714 ug/L #	95

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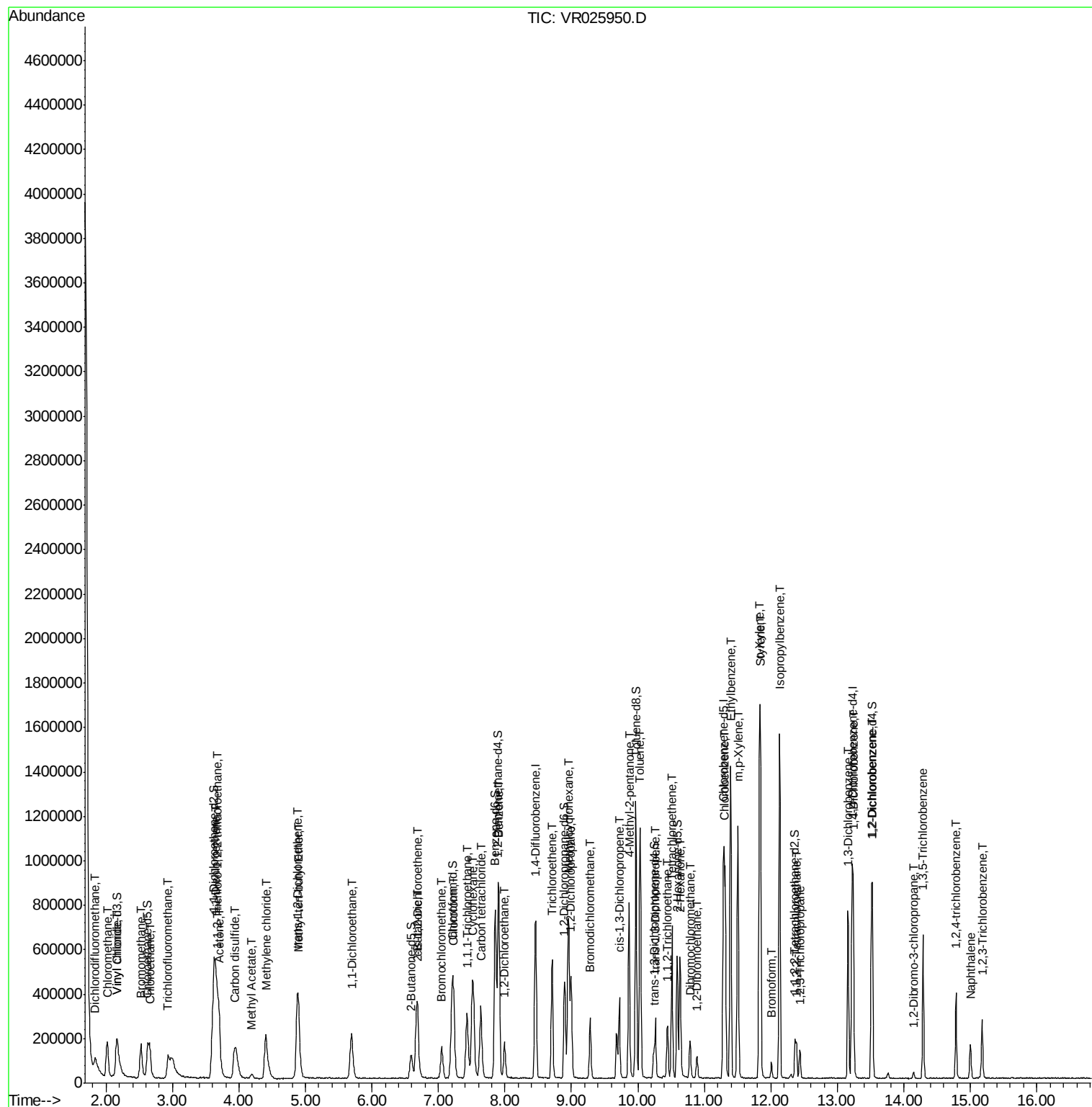
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	40220	4.737	uq/L	89
25) Chloroform	7.23	83	288530	4.811	uq/L	99
27) 1,2-Dichloroethane	7.99	62	140438	4.693	uq/L	99
29) 1,1,1-Trichloroethane	7.43	97	251035	5.193	uq/L	98
30) Cyclohexane	7.51	56	276279	4.574	uq/L	98
31) Carbon tetrachloride	7.63	117	219994	5.255	uq/L	97
33) Benzene	7.91	78	672277	4.662	uq/L	100
34) Trichloroethene	8.71	95	171643	4.518	uq/L	91
35) Methylcyclohexane	8.95	83	262204	4.590	uq/L	97
37) 1,2-Dichloropropane	9.00	63	144033	4.656	uq/L	98
38) Bromodichloromethane	9.28	83	158595	4.752	uq/L #	98
39) cis-1,3-Dichloropropene	9.72	75	175029	5.047	uq/L	99
40) 4-Methyl-2-pentanone	9.87	43	496084	45.610	uq/L	97
42) Toluene	10.03	91	714819	4.771	uq/L	97
44) trans-1,3-Dichloropropene	10.26	75	121072	5.347	uq/L	99
45) 1,1,2-Trichloroethane	10.45	97	60010	4.289	uq/L	96
47) Tetrachloroethene	10.51	164	113700	4.857	uq/L	92
48) 2-Hexanone	10.63	43	330390	46.395	uq/L	99
49) Dibromochloromethane	10.79	129	70557	4.969	uq/L	99
50) 1,2-Dibromoethane	10.89	107	54371	4.925	uq/L #	98
51) Chlorobenzene	11.32	112	382380	4.811	uq/L	92
52) Ethylbenzene	11.39	91	845394	4.944	uq/L	99
53) m,p-Xylene	11.50	106	306424	5.033	uq/L	94
54) o-Xylene	11.83	106	281784	4.972	uq/L	98
55) Styrene	11.84	104	439457	4.982	uq/L	95
56) Isopropylbenzene	12.13	105	812175	5.196	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	61968	4.597	uq/L	100
59) 1,2,3-Trichloropropane	12.43	75	47449	4.729	uq/L	98
61) Bromoform	12.01	173	24311	4.889	uq/L	98
62) 1,3-Dichlorobenzene	13.16	146	230821	4.801	uq/L	94
63) 1,4-Dichlorobenzene	13.24	146	229603	4.669	uq/L	96
65) 1,2-Dichlorobenzene	13.53	146	183512	4.751	uq/L	95
66) 1,2-Dibromo-3-chloropropan	14.15	75	6677	4.111	uq/L #	73
67) 1,3,5-Trichlorobenzene	14.29	180	138639	4.841	uq/L	98
68) 1,2,4-trichlorobenzene	14.78	180	84014	4.602	uq/L	97
69) Naphthalene	15.00	128	100912	4.331	uq/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	59166	4.671	uq/L	95

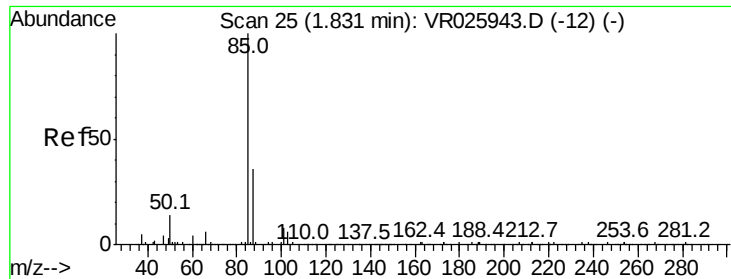
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.693 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.00 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

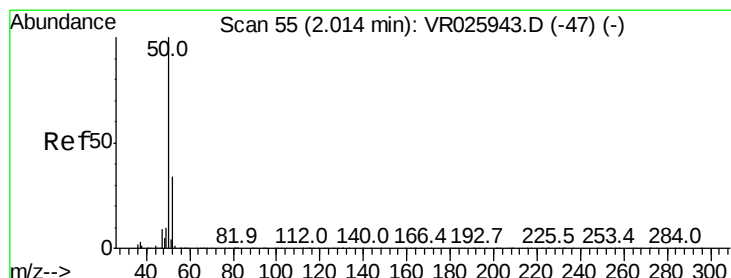
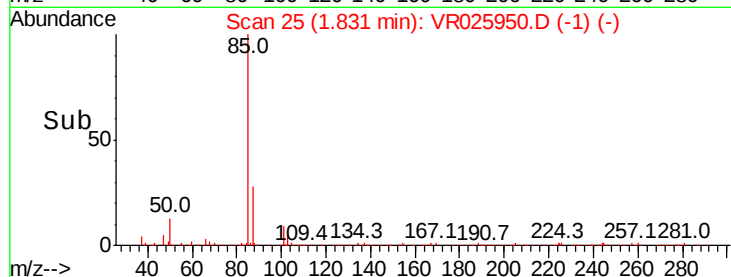
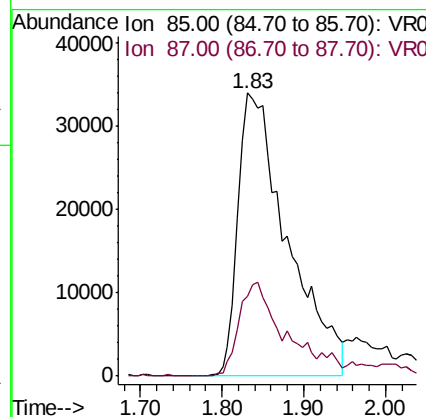
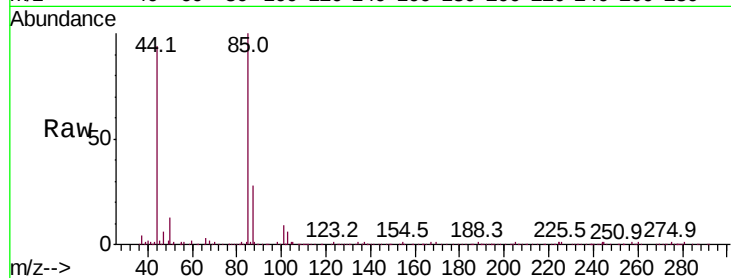
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 85 Resp: 142123

Ion Ratio Lower Upper

85 100

87 28.8 25.1 37.7



#3

Chloromethane

Concen: 5.168 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR025950.D

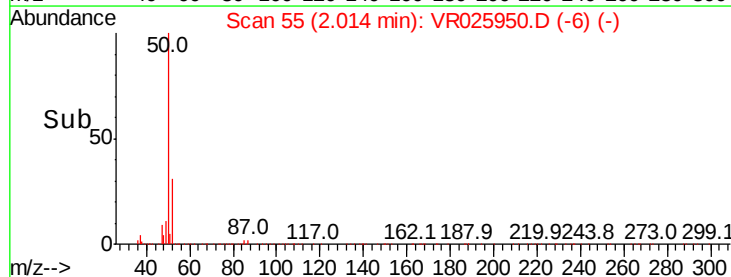
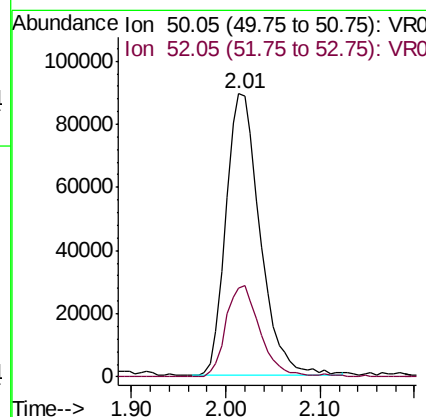
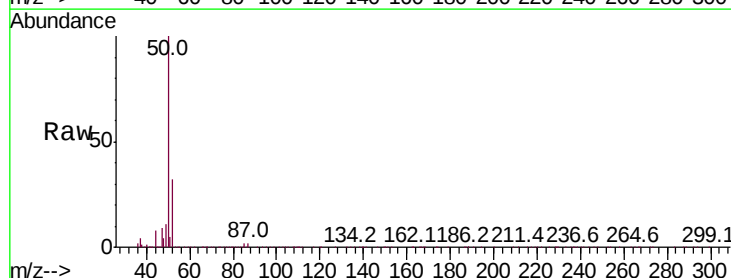
Acq: 5 Oct 2018 10:03

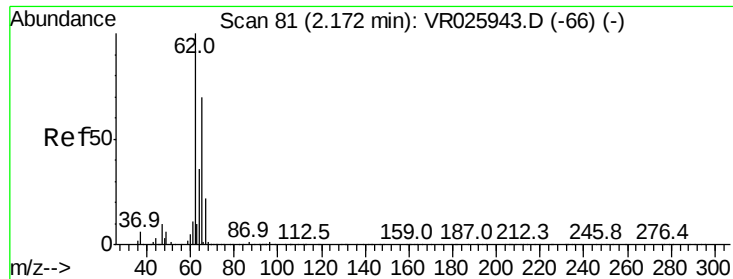
Tgt Ion: 50 Resp: 222535

Ion Ratio Lower Upper

50 100

52 31.5 22.1 41.1





#5

Vinyl chloride

Concen: 5.006 ug/L

RT: 2.17 min Scan# 81

Delta R.T. -0.00 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

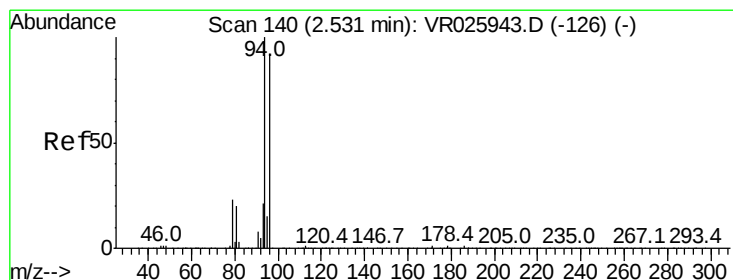
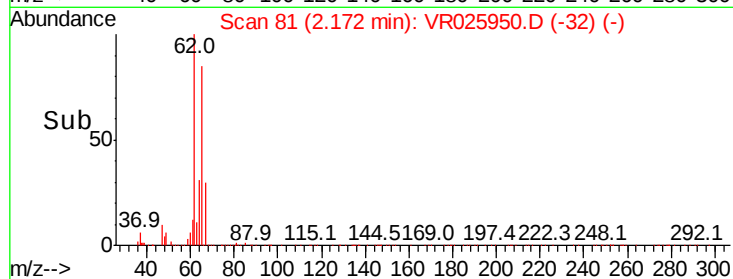
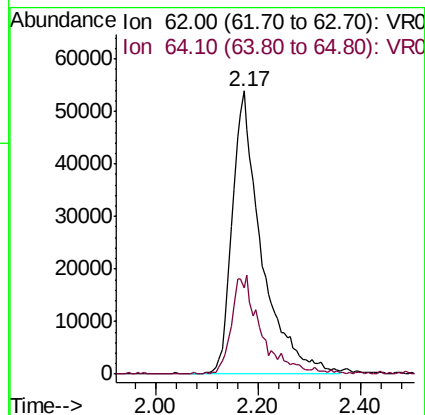
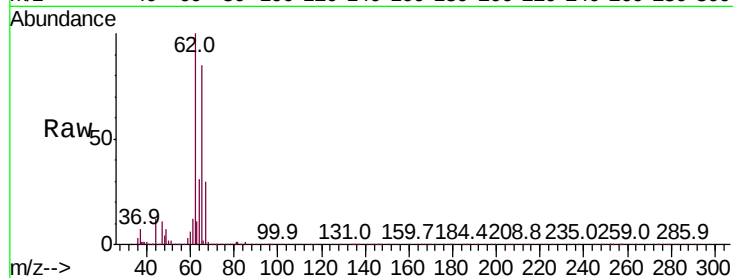
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 62 Resp: 214577

Ion Ratio Lower Upper

62 100

64 30.6 23.5 43.7



#6

Bromomethane

Concen: 5.330 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR025950.D

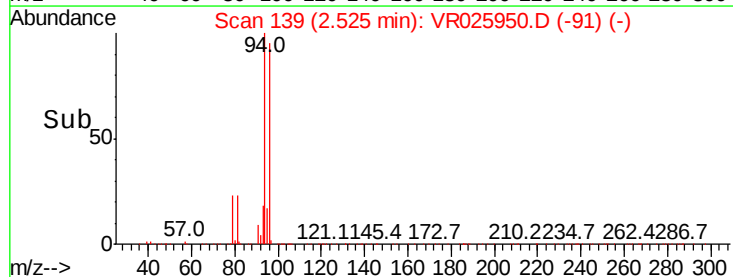
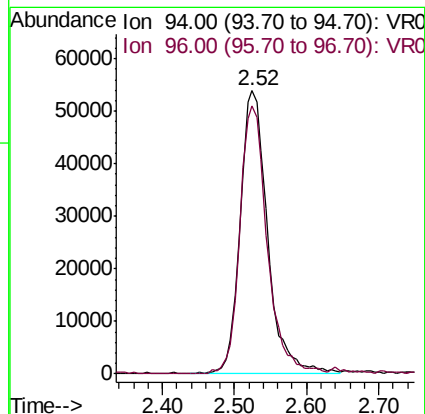
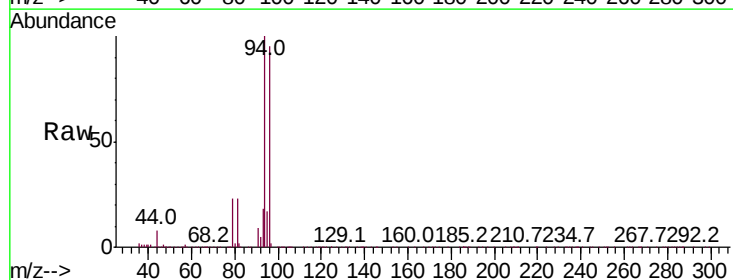
Acq: 5 Oct 2018 10:03

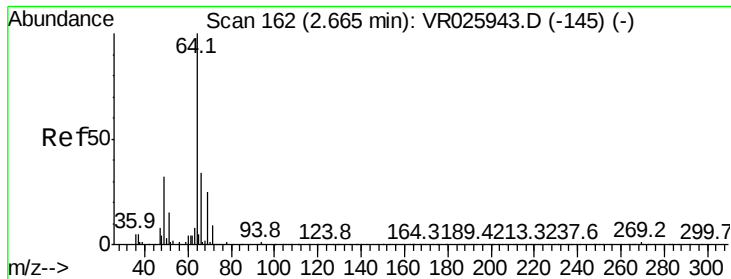
Tgt Ion: 94 Resp: 142638

Ion Ratio Lower Upper

94 100

96 94.6 66.1 122.8





#8

Chloroethane

Concen: 5.392 ug/L

RT: 2.66 min Scan# 162

Delta R.T. -0.00 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

Instrument :

MSVOA_R

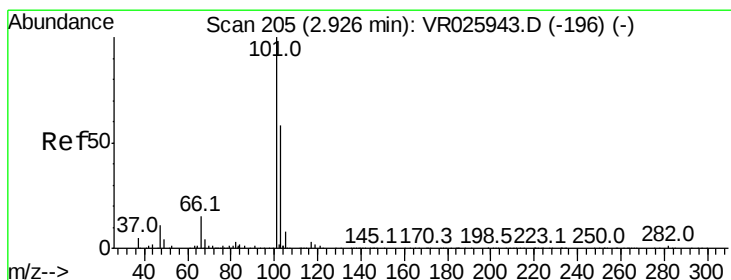
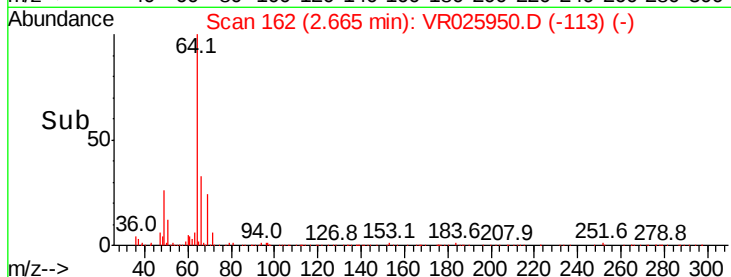
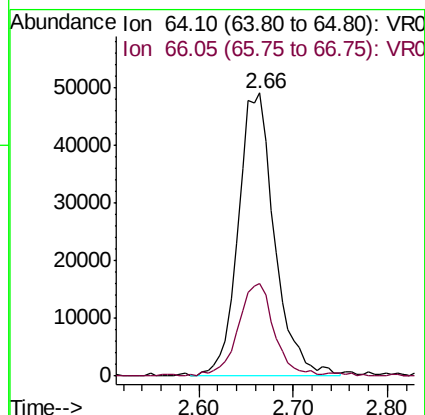
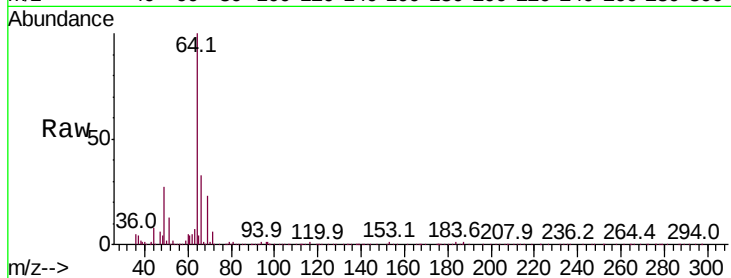
ClientSampleId :

Tot Ion: 64 Resp: 131498

Ion Ratio Lower Upper

64 100

66 32.9 21.3 39.5



#9

Trichlorofluoromethane

Concen: 1.890 ug/L

RT: 2.93 min Scan# 206

Delta R.T. 0.01 min

Lab File: VR025950.D

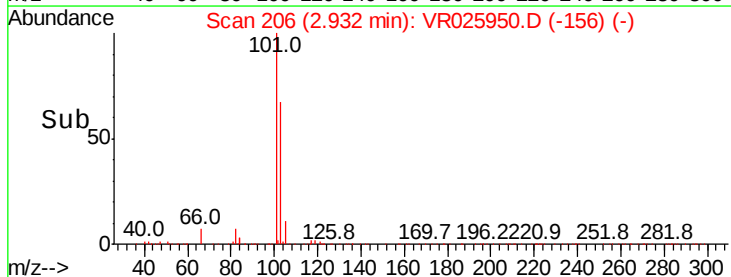
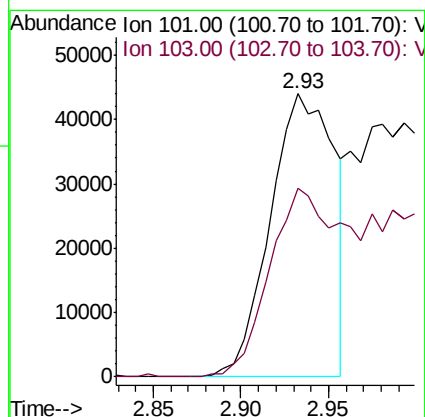
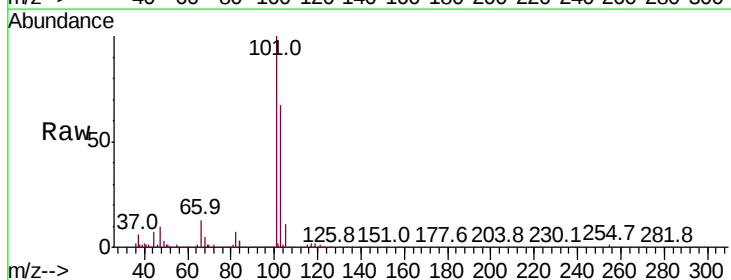
Acq: 5 Oct 2018 10:03

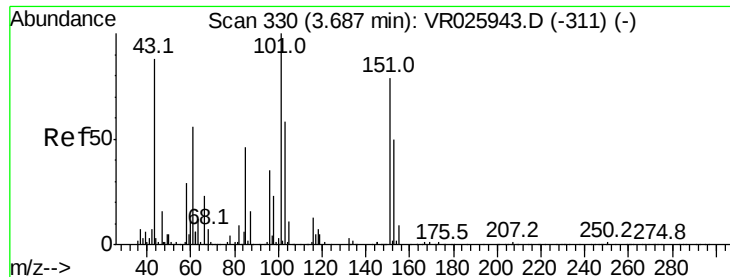
Tgt Ion:101 Resp: 112466

Ion Ratio Lower Upper

101 100

103 80.9 22.1 33.1#





#10

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

Concen: 5.406 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.01 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

Instrument :

MSVOA_R

ClientSampled :

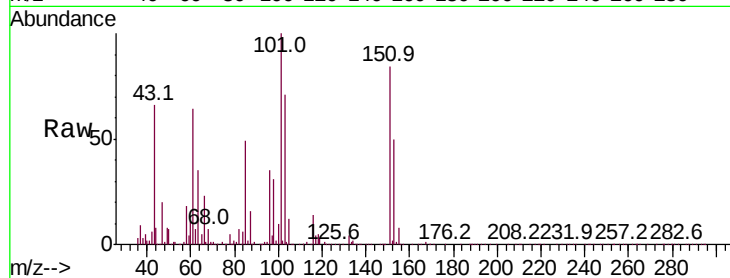
Tot Ion:101 Resp: 196654

Ion Ratio Lower Upper

101 100

85 47.2 38.2 57.4

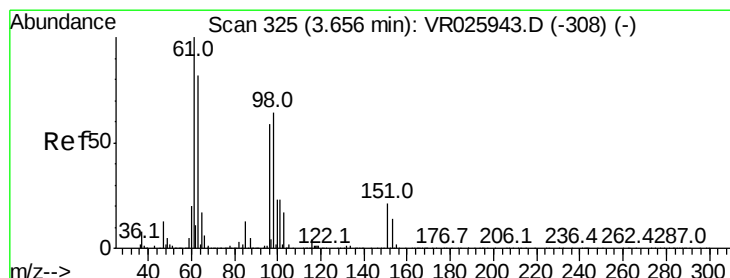
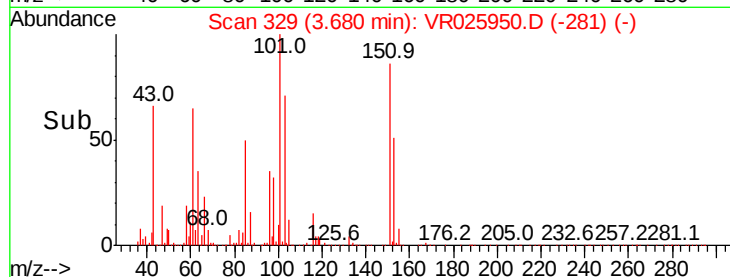
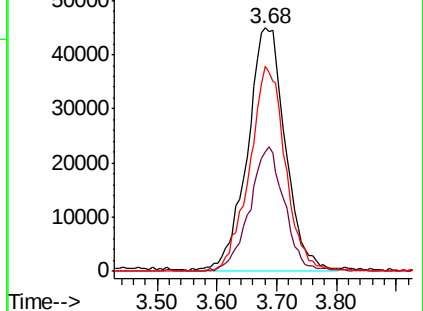
151 80.1 58.4 87.6



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: 5.277 ug/L

RT: 3.64 min Scan# 323

Delta R.T. -0.01 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

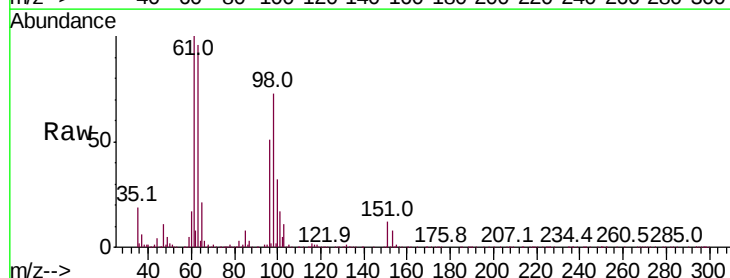
Tgt Ion: 96 Resp: 198470

Ion Ratio Lower Upper

96 100

61 197.8 145.0 269.4

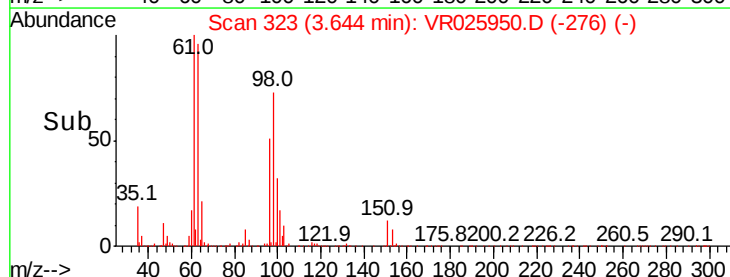
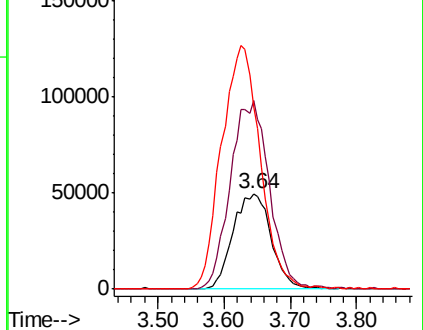
63 190.2 123.8 230.0

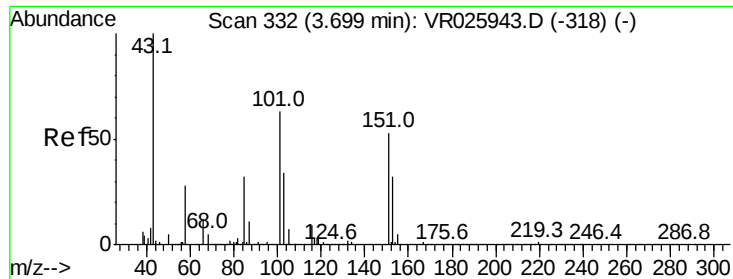


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 49.002 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

Instrument :

MSVOA_R

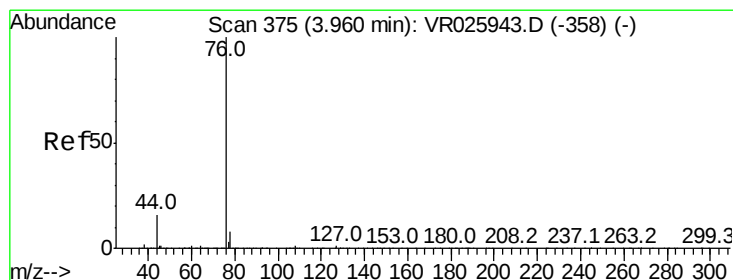
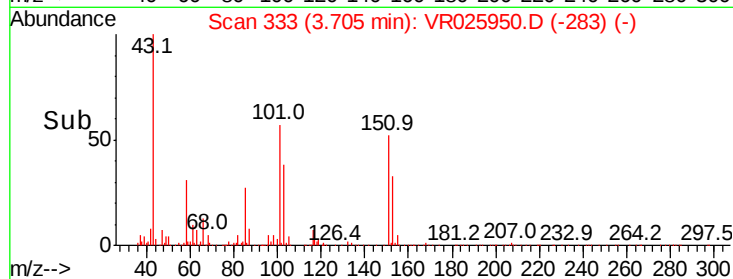
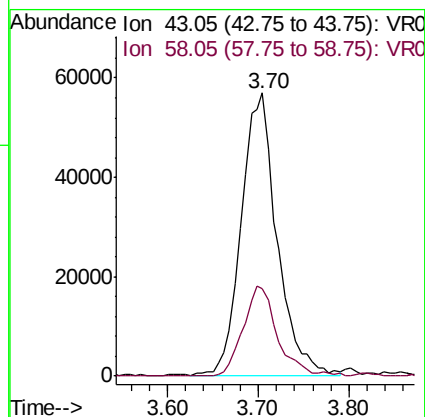
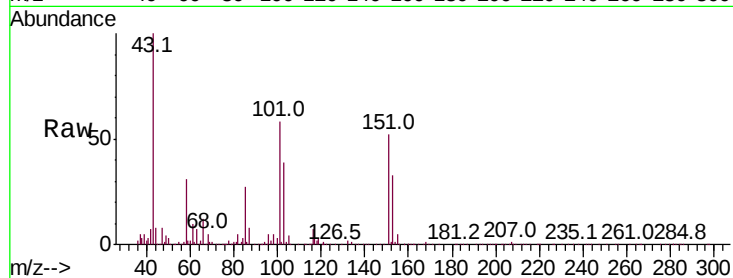
ClientSampleId :

Tot Ion: 43 Resp: 155563

Ion Ratio Lower Upper

43 100

58 29.7 0.0 51.4



#14

Carbon disulfide

Concen: 5.376 ug/L

RT: 3.94 min Scan# 371

Delta R.T. -0.02 min

Lab File: VR025950.D

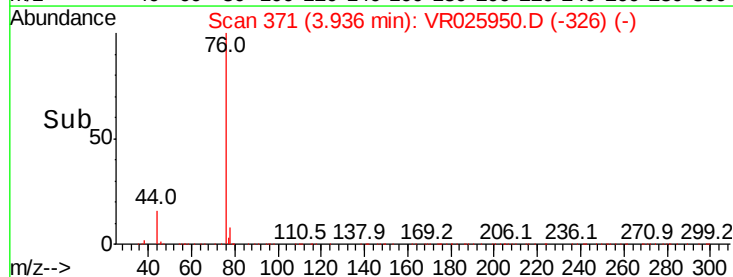
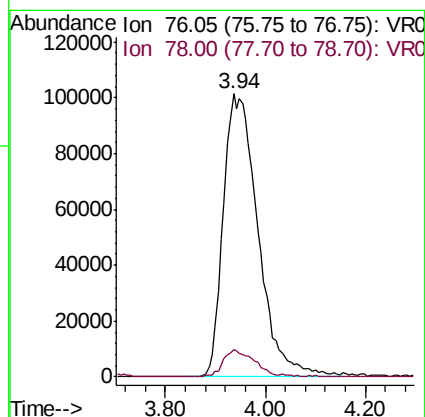
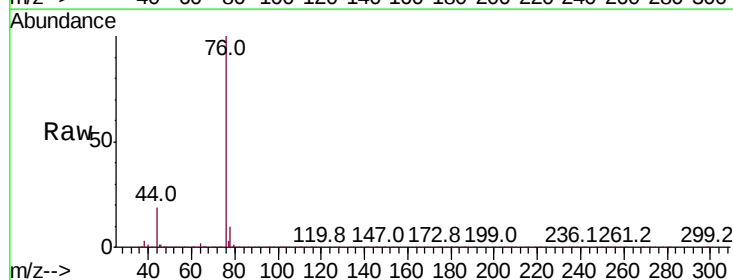
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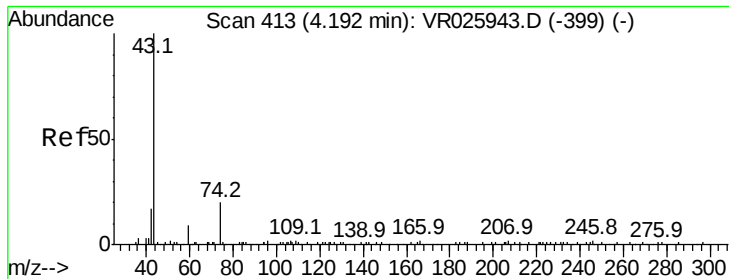
Tgt Ion: 76 Resp: 489518

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6

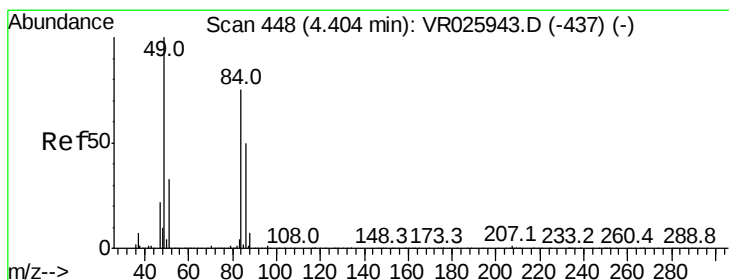
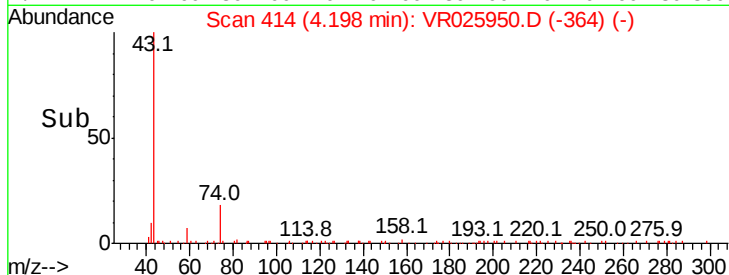
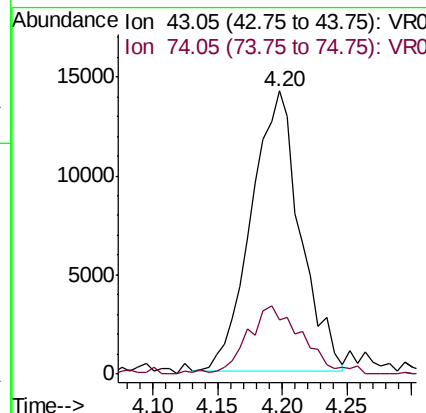
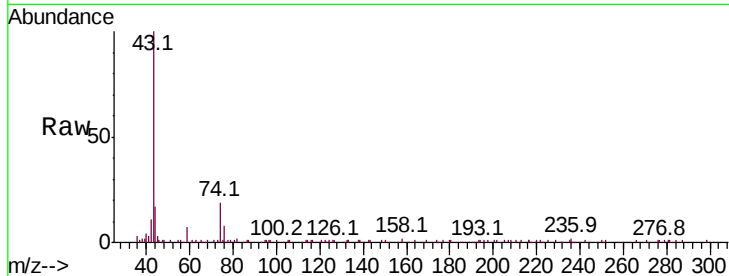




#15
Methyl Acetate
Concen: 4.221 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.01 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

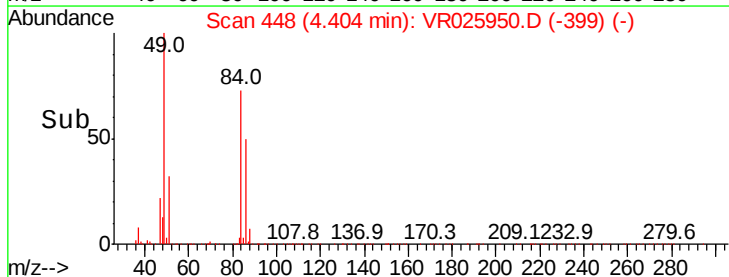
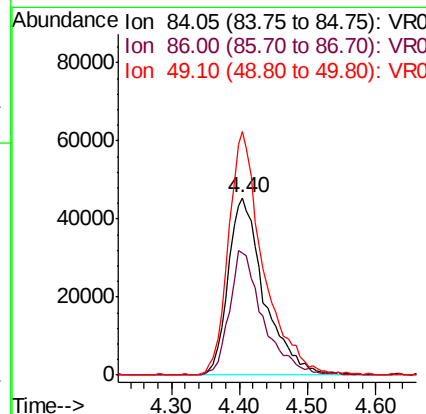
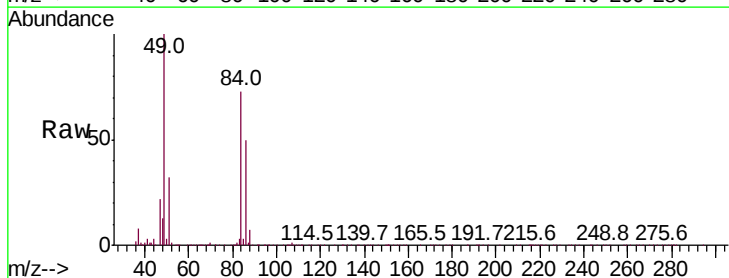
Instrument :
MSVOA_R
ClientSampleId :

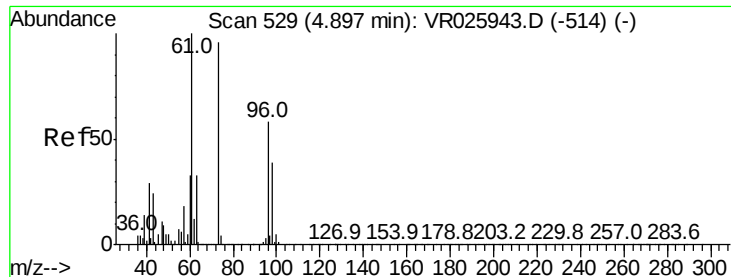
Tot Ion: 43 Resp: 37151
Ion Ratio Lower Upper
43 100
74 27.1 19.0 28.4



#16
Methylene chloride
Concen: 4.818 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

Tgt Ion: 84 Resp: 166616
Ion Ratio Lower Upper
84 100
86 68.7 43.1 80.1
49 137.3 95.5 177.3

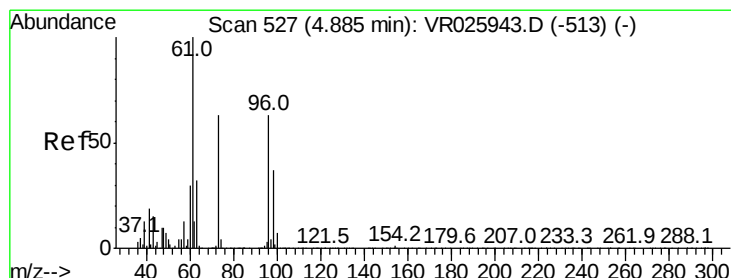
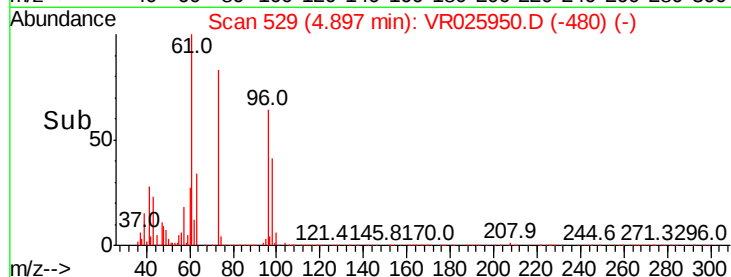
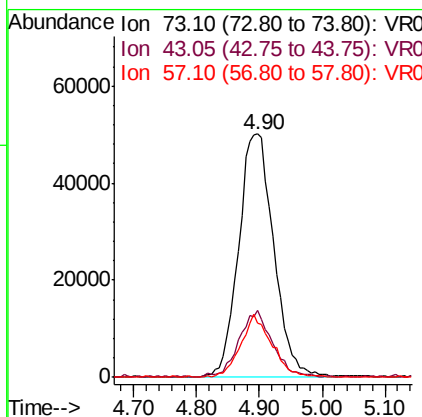
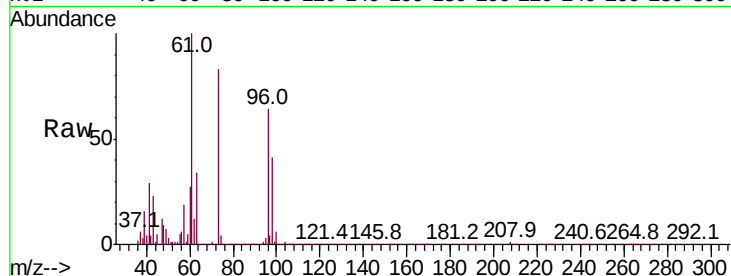




#17
Methvl tert-butvl Ether
Concen: 4.661 ug/L
RT: 4.90 min Scan# 529
Delta R.T. -0.00 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

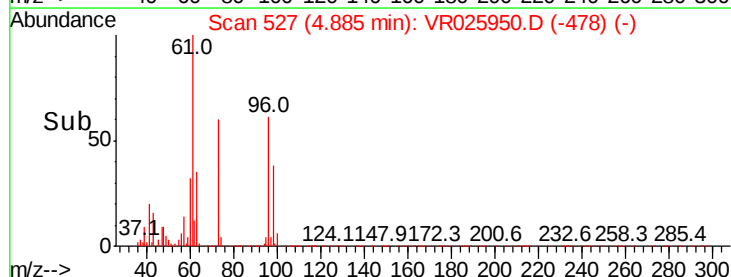
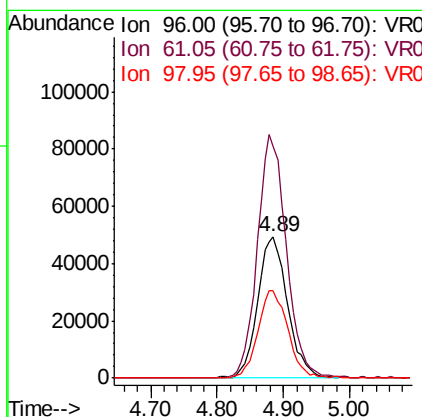
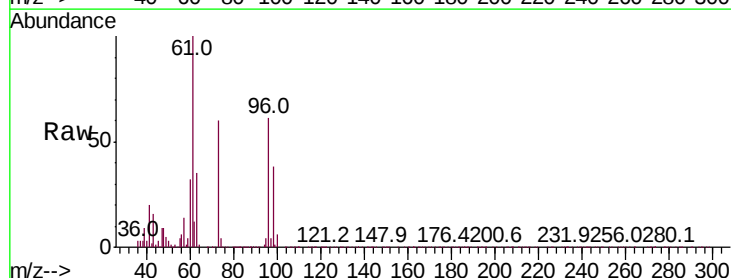
Instrument :
MSVOA_R
ClientSampleId :

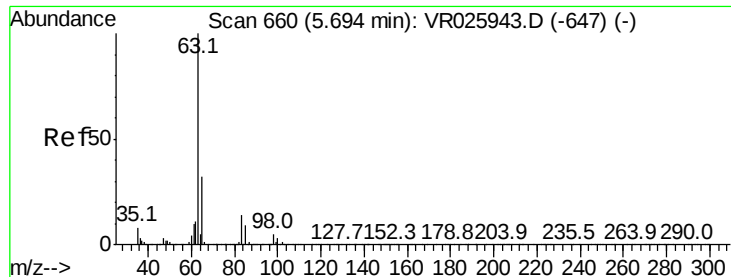
Tot Ion	Ratio	Lower	Upper
73	100		
43	25.3	19.8	29.8
57	22.5	17.9	26.9



#18
trans-1,2-Dichloroethene
Concen: 4.977 ug/L
RT: 4.89 min Scan# 527
Delta R.T. -0.00 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.7	127.4	236.6
98	62.2	43.8	81.3

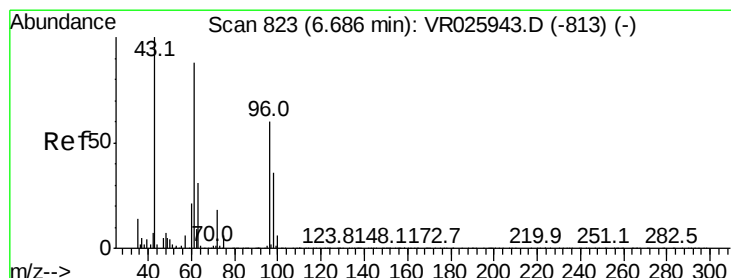
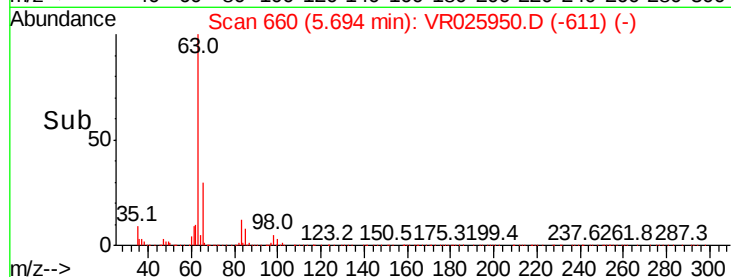
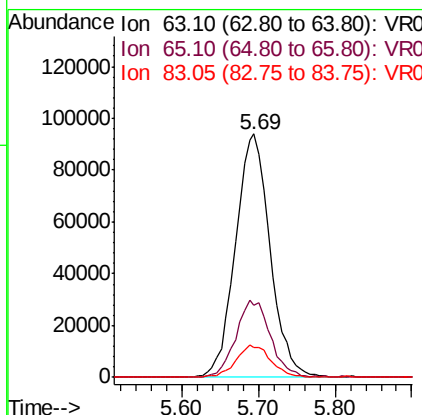
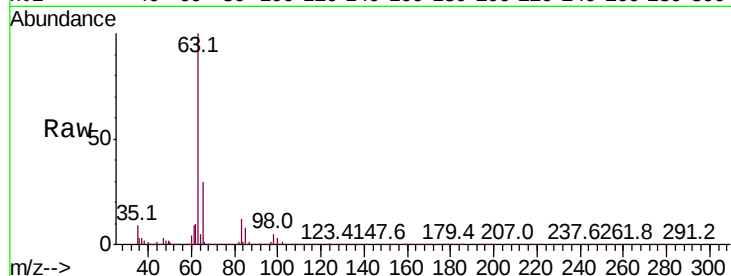




#19
 1,1-Dichloroethane
 Concen: 4.772 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VR025950.D
 Acq: 5 Oct 2018 10:03

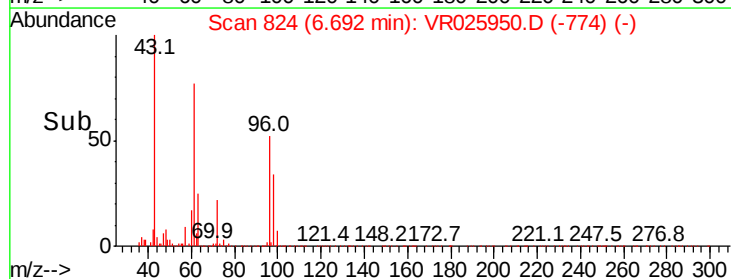
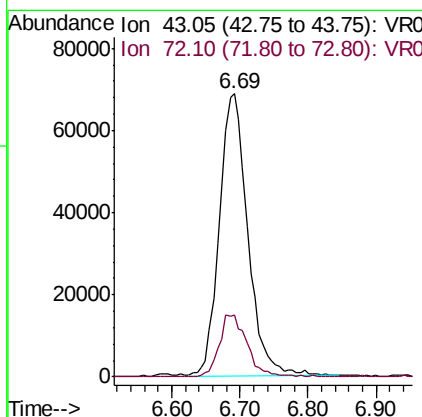
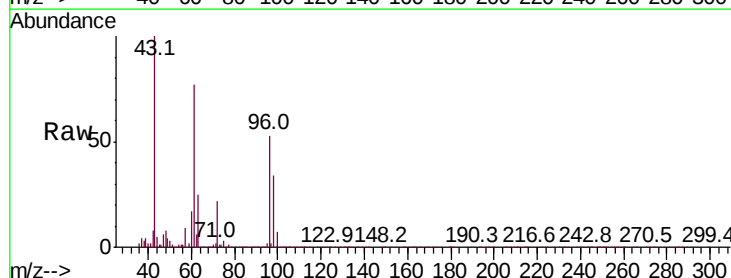
Instrument :
 MSVOA_R
 ClientSampleId :

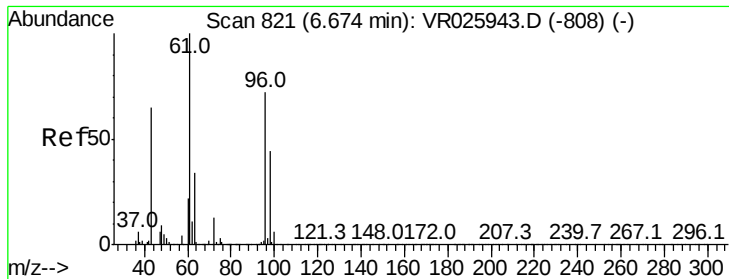
Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	21.1	39.1
83	12.0	8.9	16.5



#21
 2-Butanone
 Concen: 45.694 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VR025950.D
 Acq: 5 Oct 2018 10:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.5	11.9	35.7



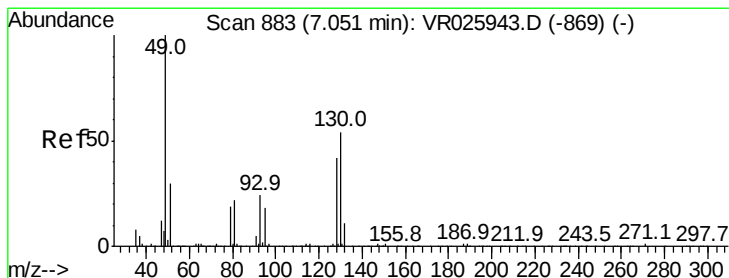
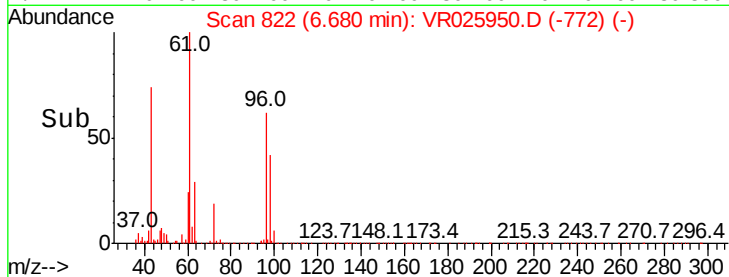
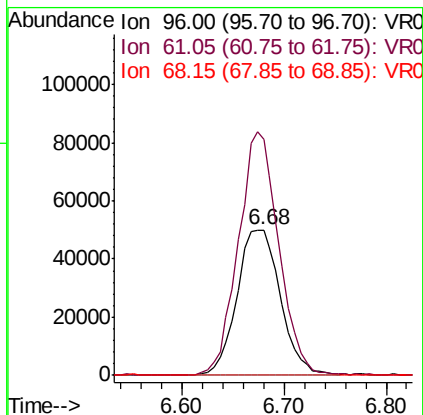
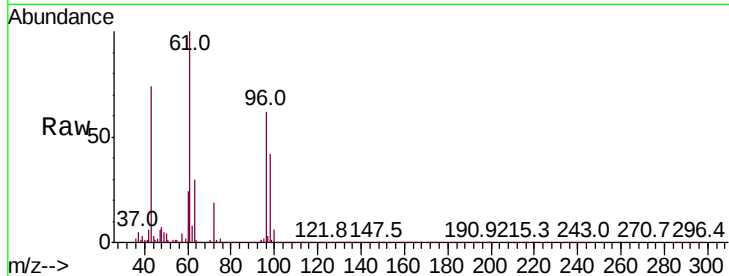


#22

cis-1,2-Dichloroethene
Concen: 4.714 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.01 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

Instrument :
MSVOA_R
ClientSampleId :

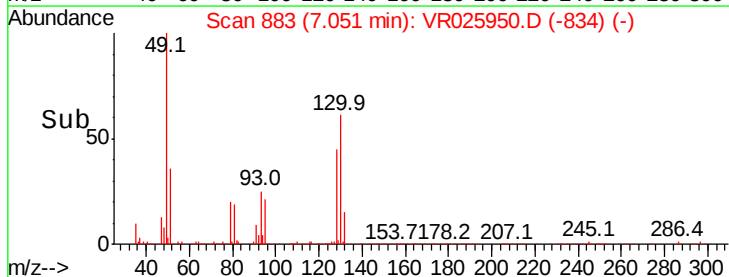
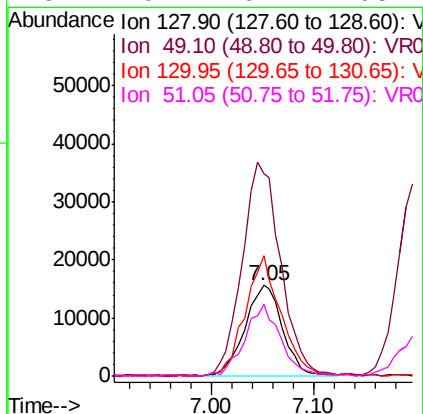
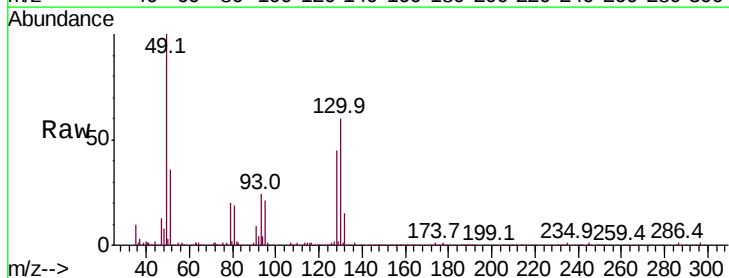
Tot Ion	Ratio	Lower	Upper
96	100		
61	162.4	108.7	201.9
68	0.3	0.1	0.1#

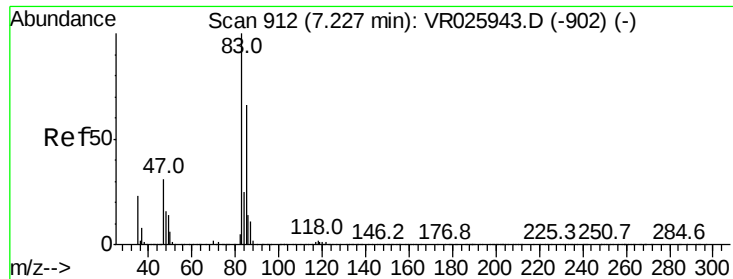


#23

Bromochloromethane
Concen: 4.737 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.00 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

Tgt Ion	Ratio	Lower	Upper
128	100		
49	224.2	175.0	325.0
130	133.9	85.6	159.0
51	79.7	62.2	93.2

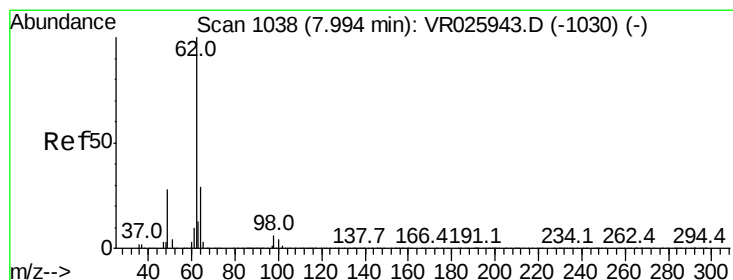
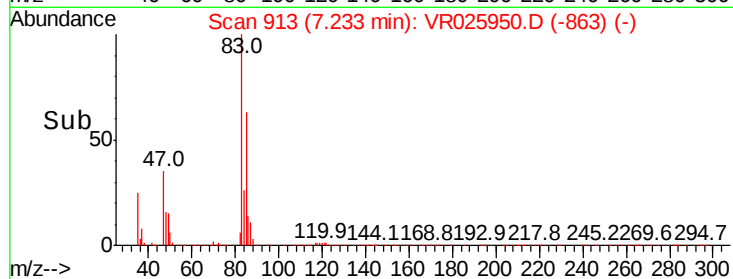
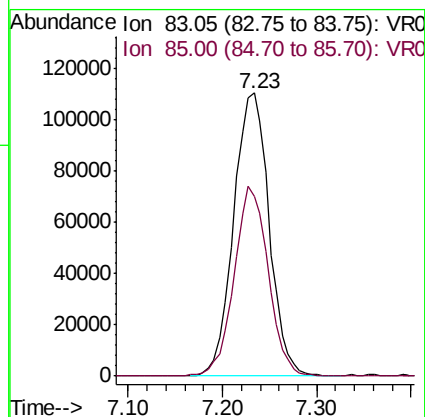
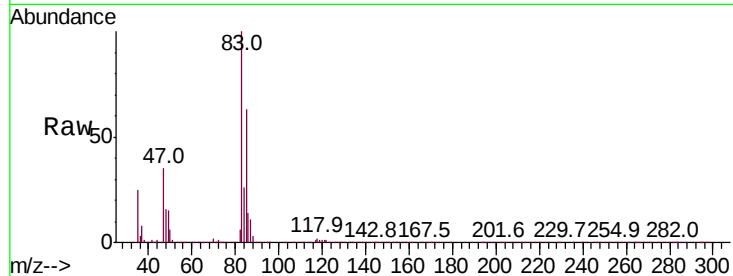




#25
Chloroform
Concen: 4.811 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

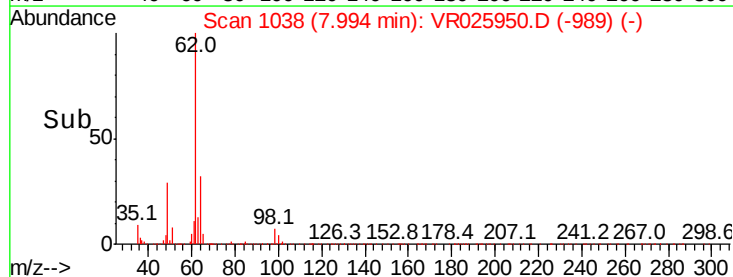
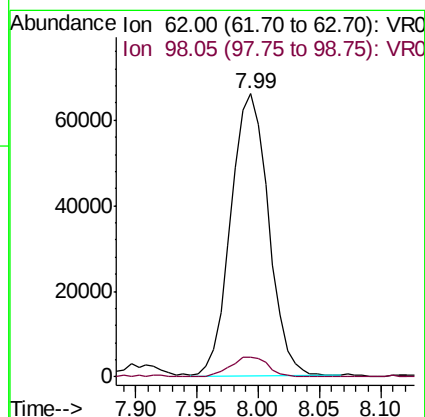
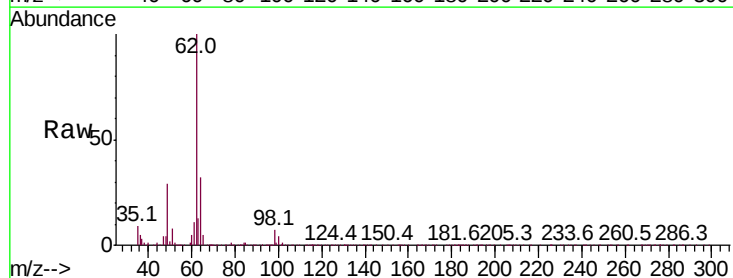
Instrument :
MSVOA_R
ClientSampleId :

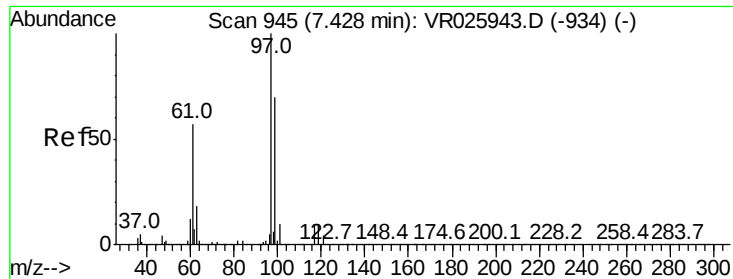
Tot Ion: 83 Resp: 288530
Ion Ratio Lower Upper
83 100
85 63.3 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.693 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

Tgt Ion: 62 Resp: 140438
Ion Ratio Lower Upper
62 100
98 6.9 5.2 7.8

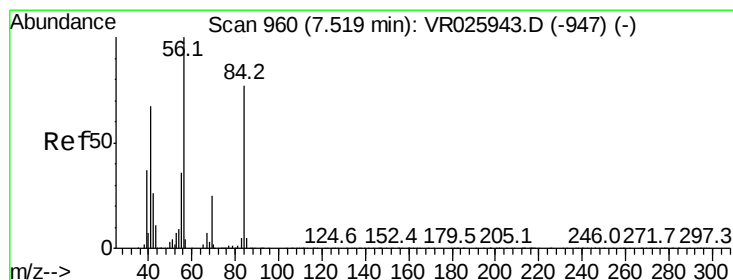
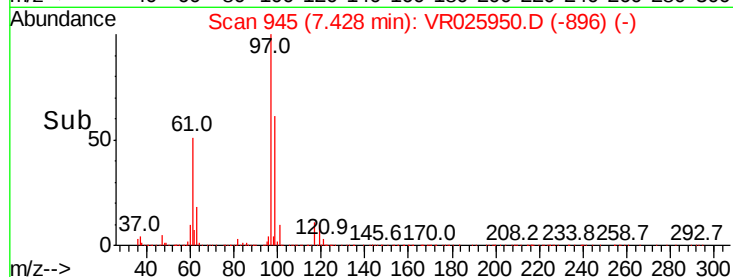
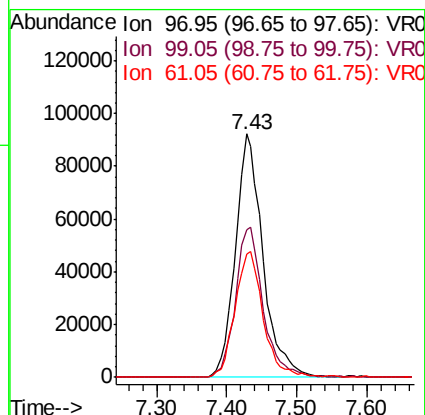
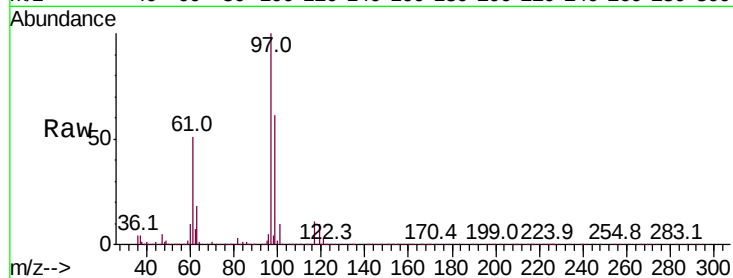




#29
1,1,1-Trichloroethane
Concen: 5.193 ug/L
RT: 7.43 min Scan# 945
Delta R.T. -0.00 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

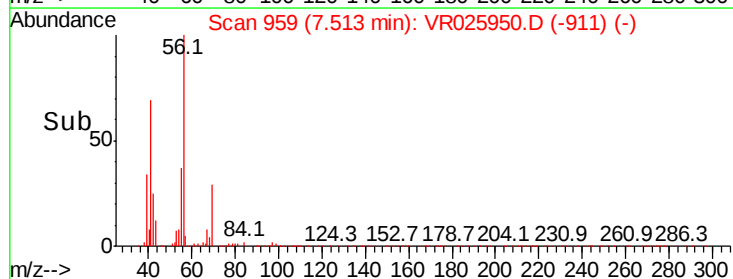
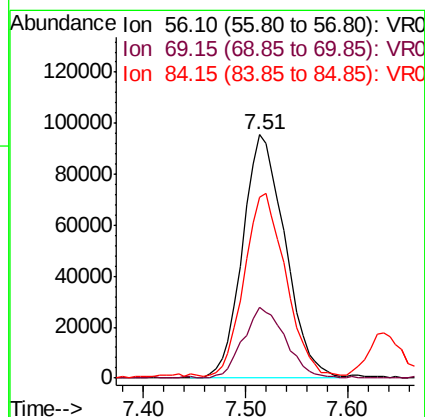
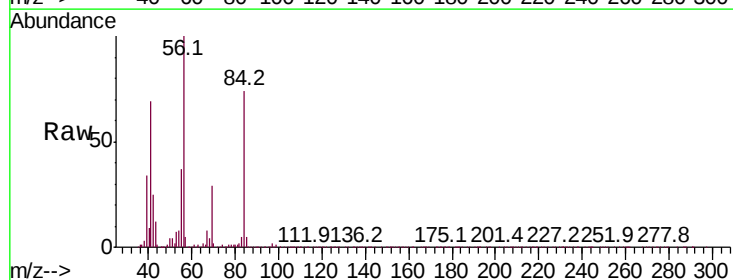
Instrument :
MSVOA_R
ClientSampled :

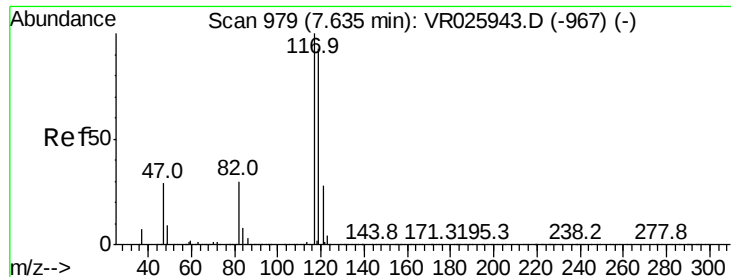
Tot Ion: 97 Resp: 251035
Ion Ratio Lower Upper
97 100
99 61.6 51.0 76.6
61 53.1 41.6 62.4



#30
Cyclohexane
Concen: 4.574 ug/L
RT: 7.51 min Scan# 959
Delta R.T. -0.01 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

Tgt Ion: 56 Resp: 276279
Ion Ratio Lower Upper
56 100
69 29.0 24.8 37.2
84 73.4 59.8 89.8





#31

Carbon tetrachloride

Concen: 5.255 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

Instrument :

MSVOA_R

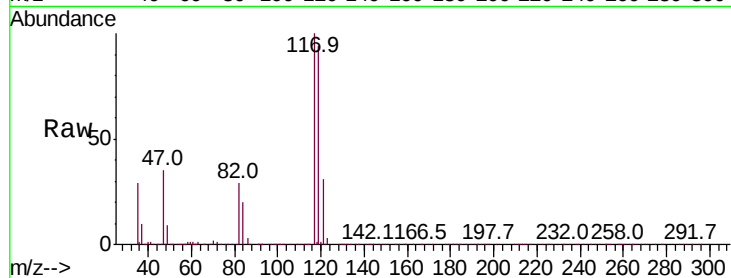
ClientSampleId :

Tot Ion:117 Resp: 219994

Ion Ratio Lower Upper

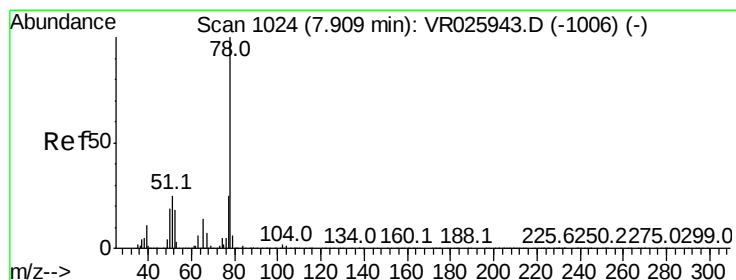
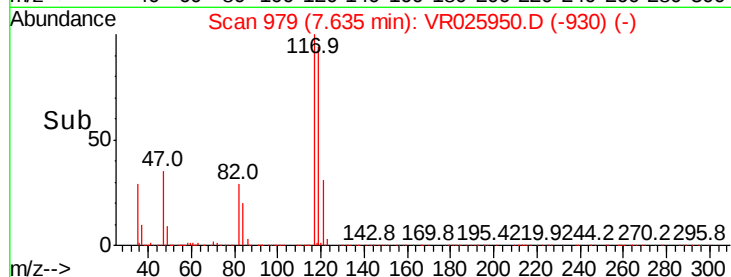
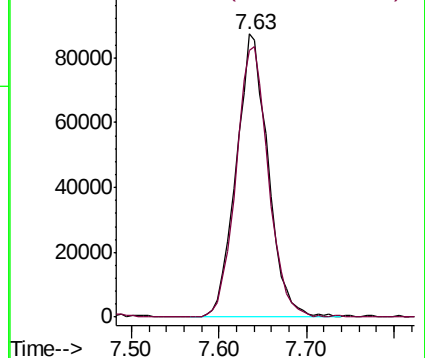
117 100

119 97.3 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: 4.662 ug/L

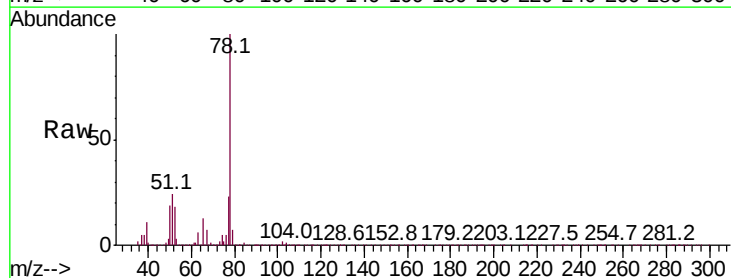
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

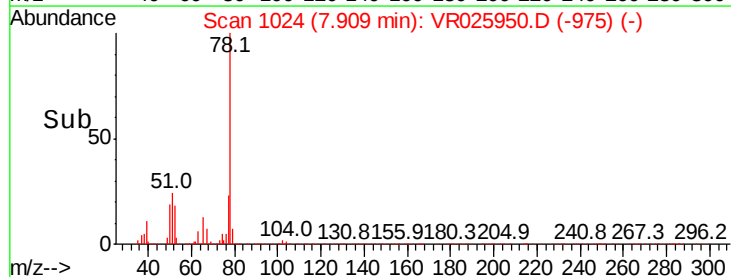
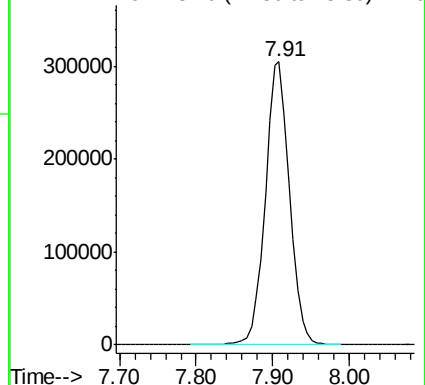
Lab File: VR025950.D

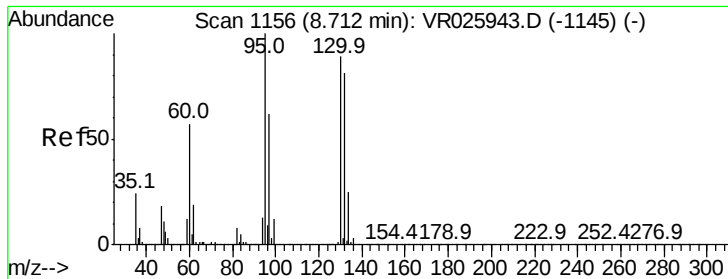
Acq: 5 Oct 2018 10:03

Tgt Ion: 78 Resp: 672277



Abundance Ion 78.10 (77.80 to 78.80): VR0

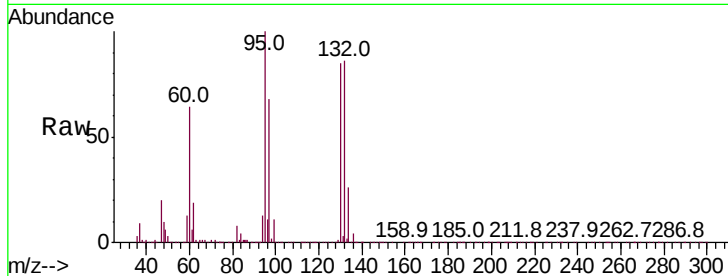




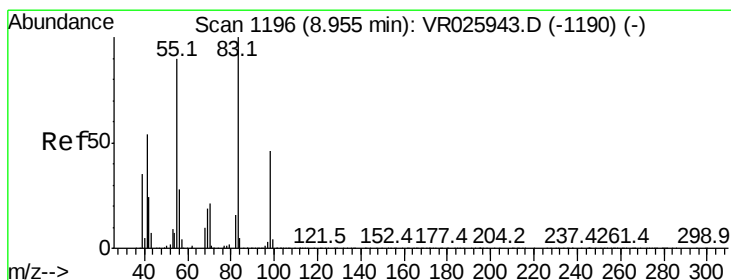
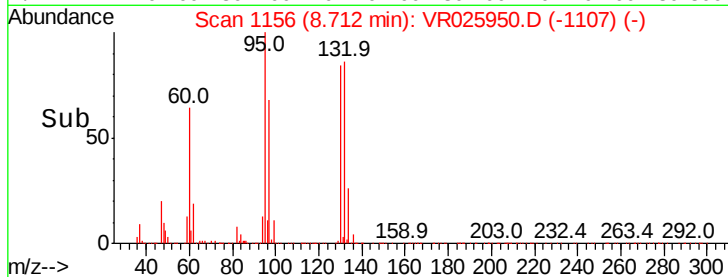
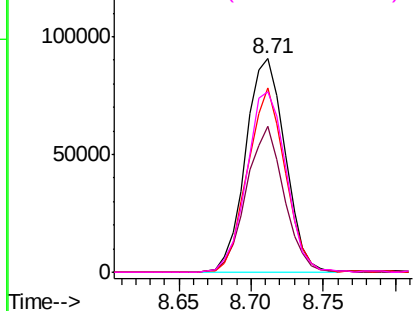
#34
 Trichloroethene
 Concen: 4.518 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VR025950.D
 Acq: 5 Oct 2018 10:03

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	95	Resp:	171643
Ion	Ratio	Lower	Upper
95	100		
97	68.1	43.9	81.5
132	86.4	53.3	98.9
130	84.6	53.8	99.8

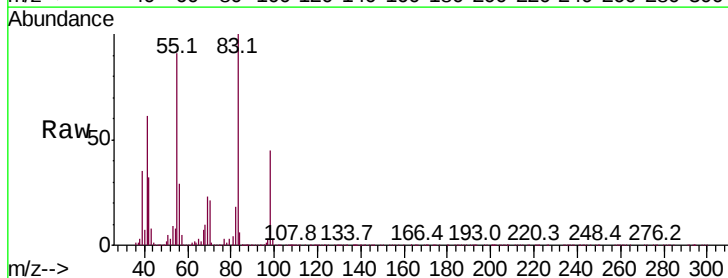


Abundance Ion 95.00 (94.70 to 95.70): VR0
 Ion 96.95 (96.65 to 97.65): VR0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

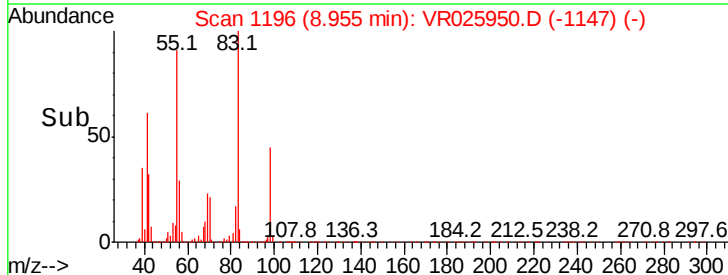
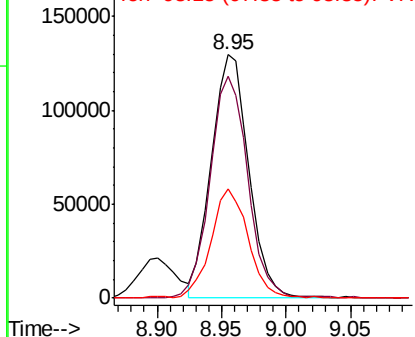


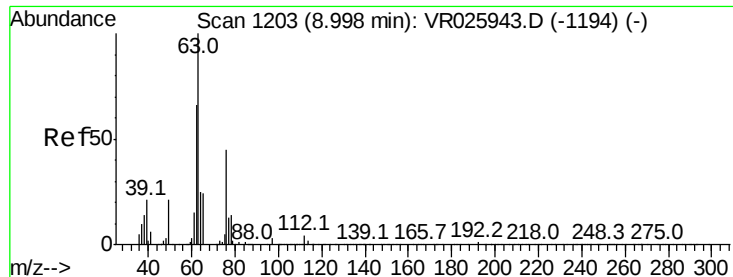
#35
 Methylcyclohexane
 Concen: 4.590 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR025950.D
 Acq: 5 Oct 2018 10:03

Tgt Ion:	83	Resp:	262204
Ion	Ratio	Lower	Upper
83	100		
55	92.0	71.8	107.6
98	44.5	34.2	51.4



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

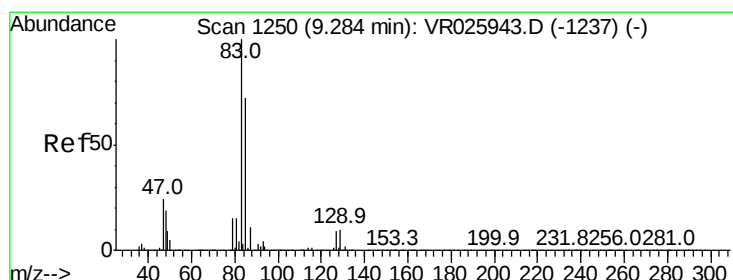
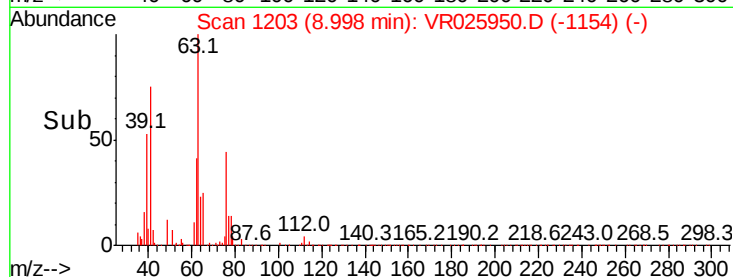
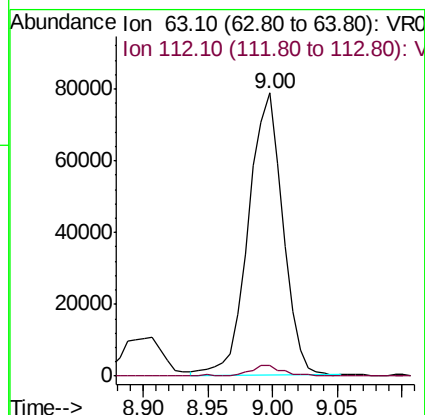
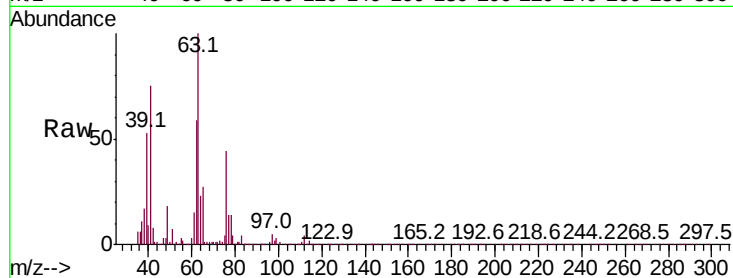




#37
 1,2-Dichloropropane
 Concen: 4.656 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VR025950.D
 Acq: 5 Oct 2018 10:03

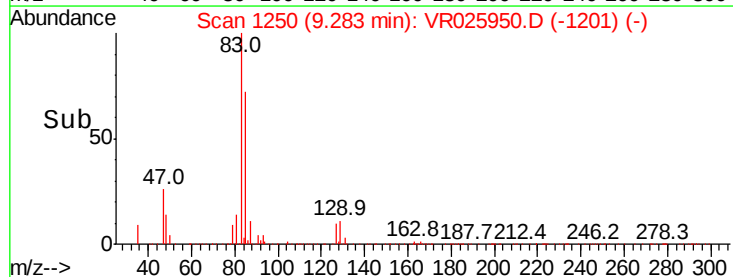
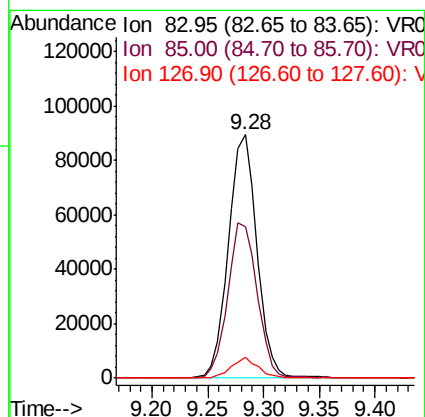
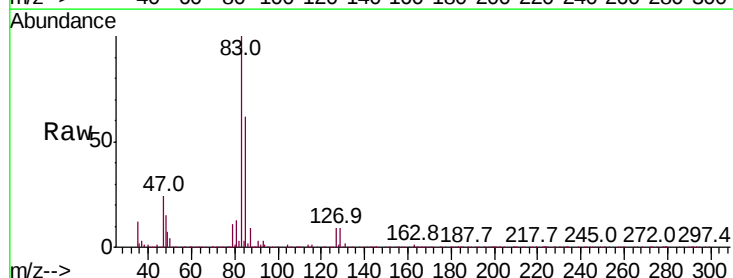
Instrument :
 MSVOA_R
 ClientSampleId :

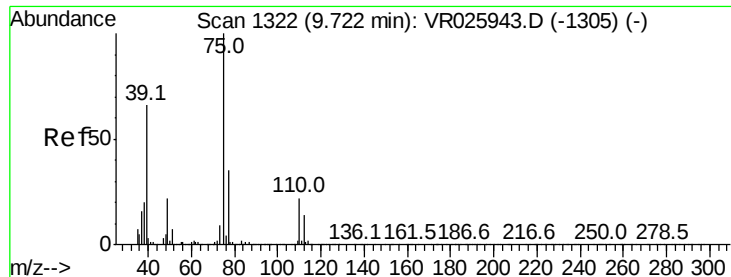
Tot Ion: 63 Resp: 144033
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.752 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VR025950.D
 Acq: 5 Oct 2018 10:03

Tgt Ion: 83 Resp: 158595
 Ion Ratio Lower Upper
 83 100
 85 62.2 42.8 79.4
 127 8.6 5.6 8.4#

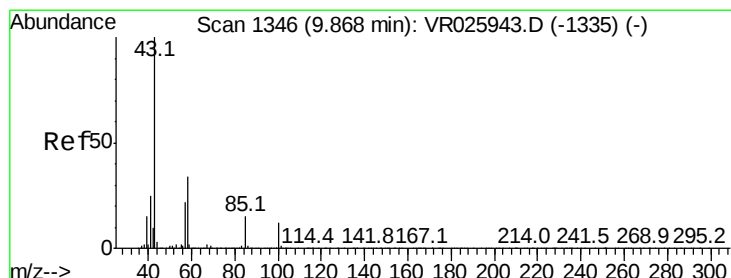
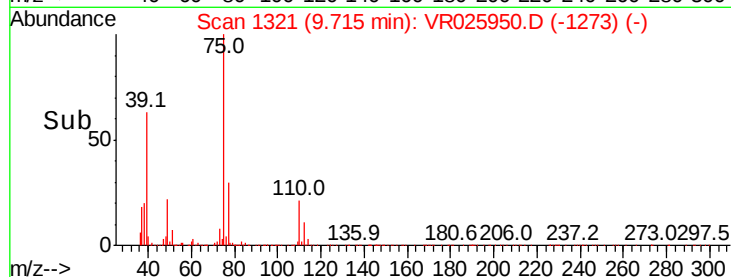
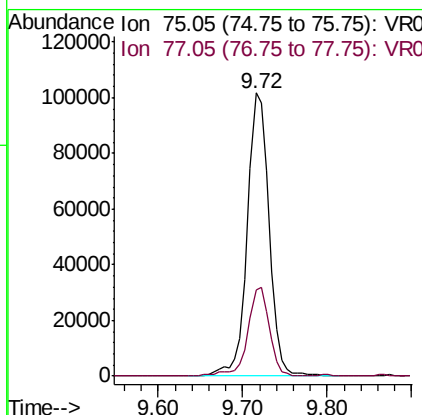
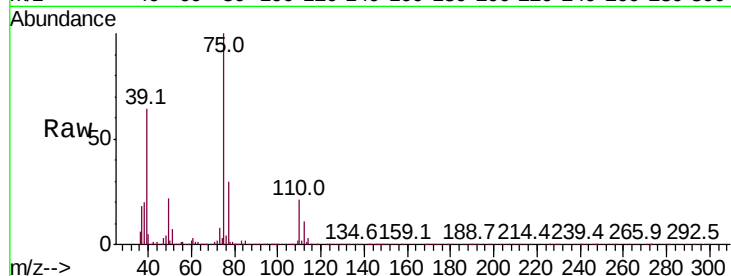




#39
 cis-1,3-Dichloropropene
 Concen: 5.047 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VR025950.D
 Acq: 5 Oct 2018 10:03

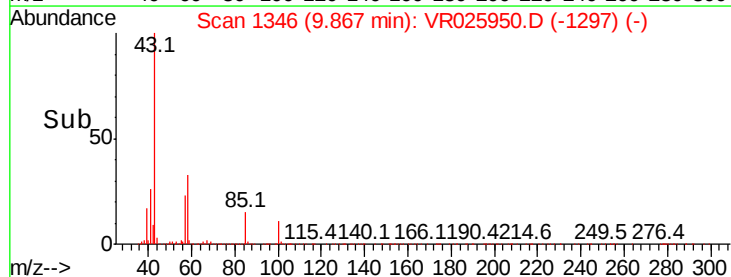
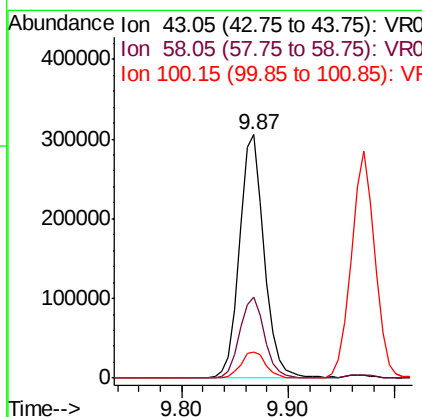
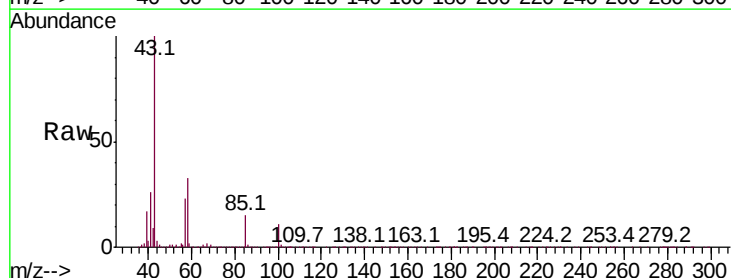
Instrument :
 MSVOA_R
 ClientSampleId :

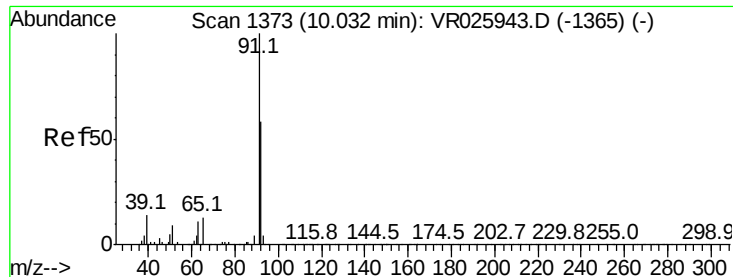
Tot Ion: 75 Resp: 175029
 Ion Ratio Lower Upper
 75 100
 77 30.3 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 45.610 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VR025950.D
 Acq: 5 Oct 2018 10:03

Tgt Ion: 43 Resp: 496084
 Ion Ratio Lower Upper
 43 100
 58 33.3 28.6 43.0
 100 11.0 9.0 13.4





#42

Toluene

Concen: 4.771 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

Instrument :

MSVOA_R

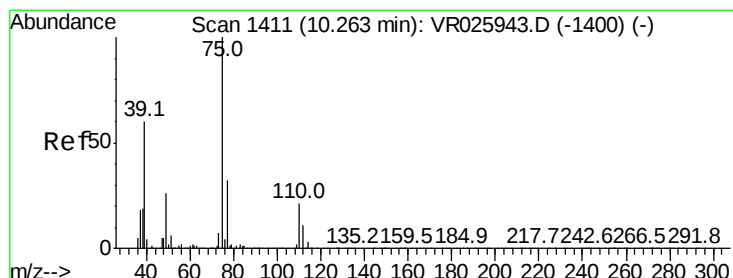
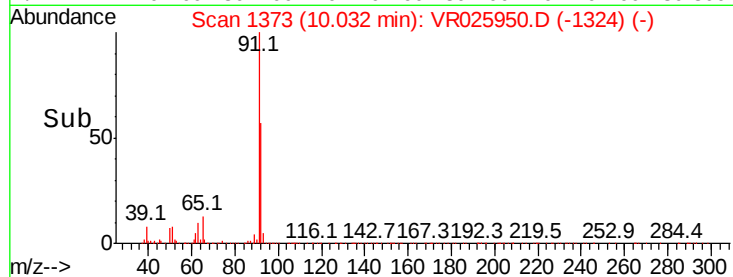
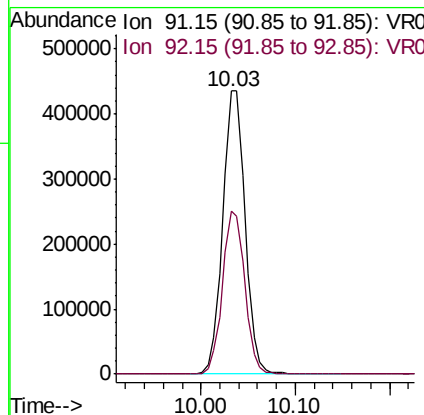
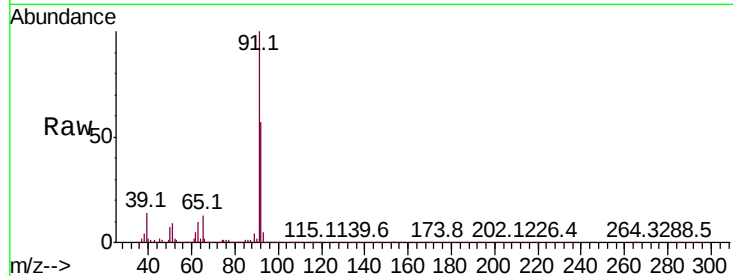
ClientSampleId :

Tot Ion: 91 Resp: 714819

Ion Ratio Lower Upper

91 100

92 57.5 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 5.347 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025950.D

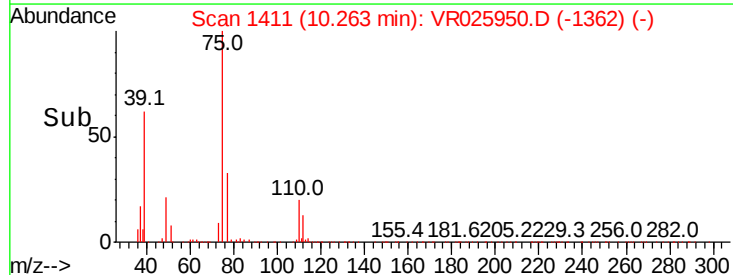
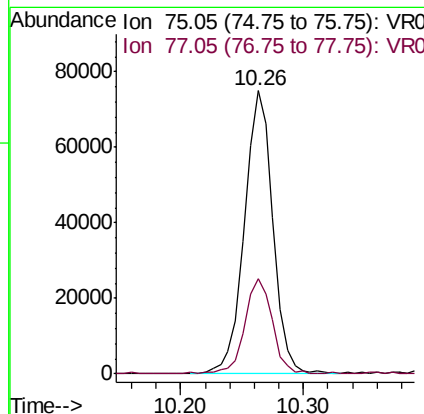
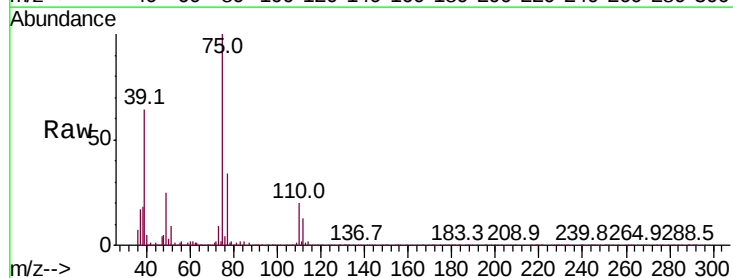
Acq: 5 Oct 2018 10:03

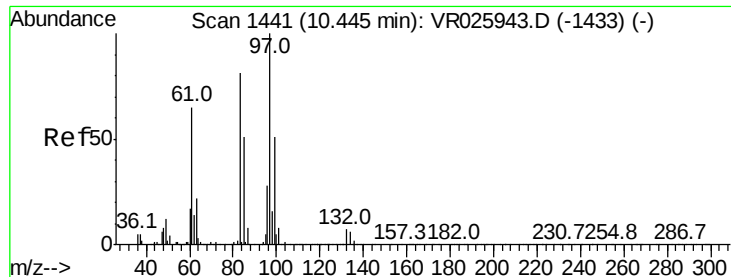
Tgt Ion: 75 Resp: 121072

Ion Ratio Lower Upper

75 100

77 33.5 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 4.289 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

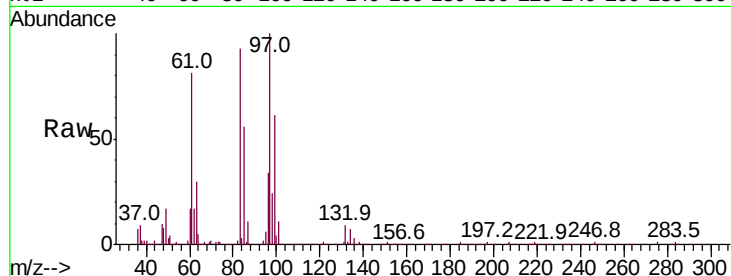
Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 97 Resp: 60010

Ion	Ratio	Lower	Upper
97	100		
99	60.8	39.6	73.6
83	93.1	62.2	115.6
85	56.4	39.1	72.7

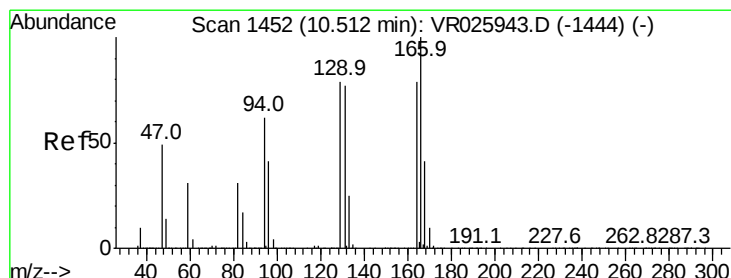
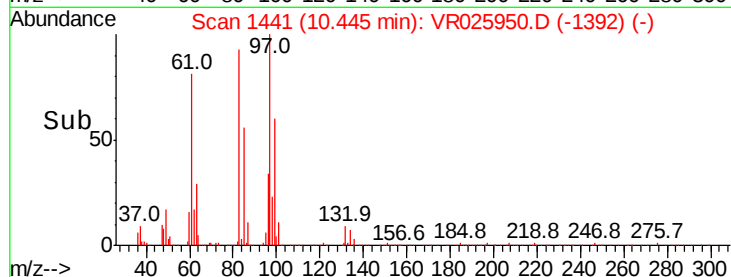


Abundance Ion 96.95 (96.65 to 97.65): VR0

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



#47

Tetrachloroethene

Concen: 4.857 ug/L

RT: 10.51 min Scan# 1452

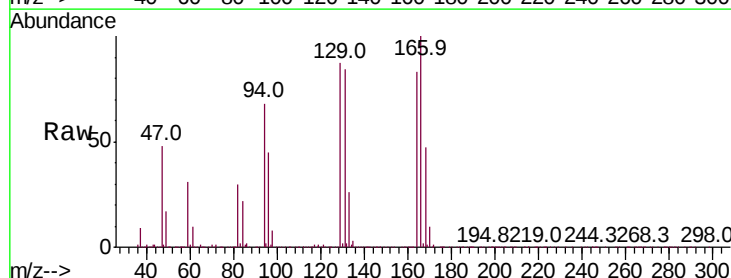
Delta R.T. -0.00 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

Tgt Ion: 164 Resp: 113700

Ion	Ratio	Lower	Upper
164	100		
129	105.9	80.8	150.2
131	101.9	74.5	138.3
166	121.2	92.5	171.7

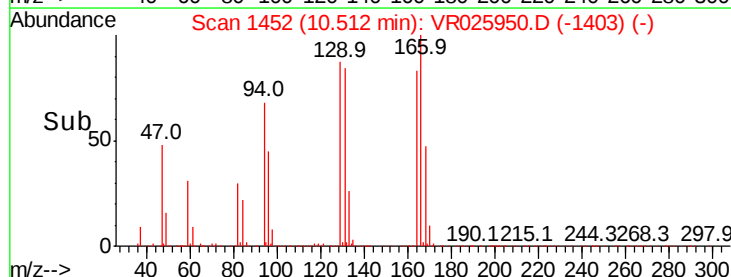


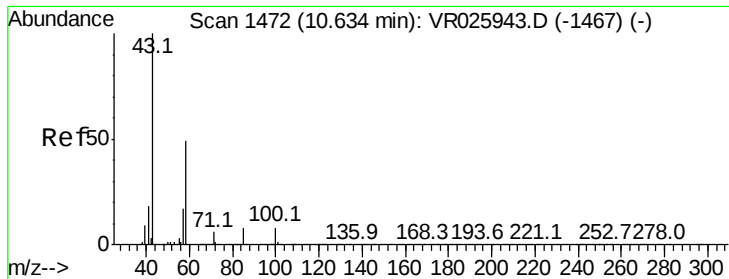
Abundance Ion 163.90 (163.60 to 164.60): V

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

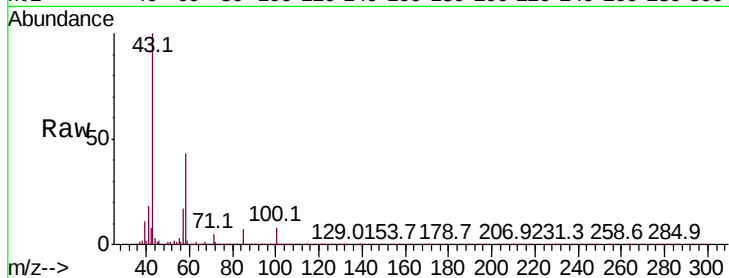




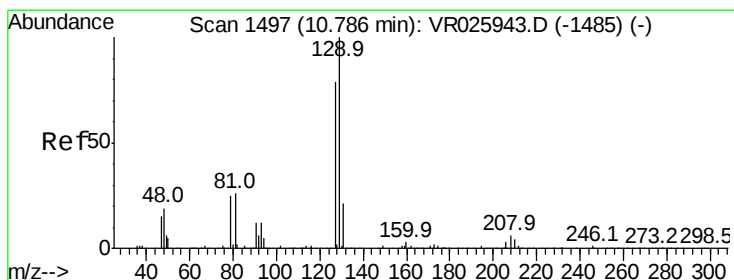
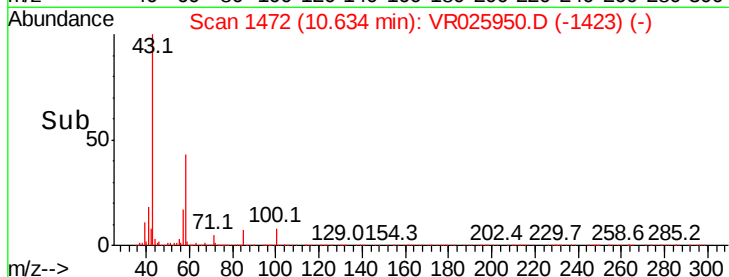
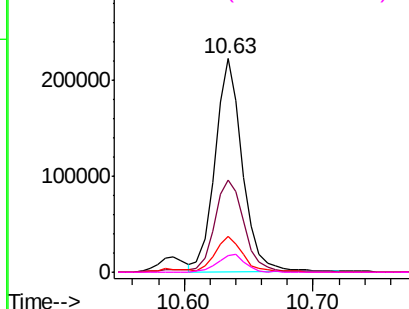
#48
2-Hexanone
Concen: 46.395 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:	43	Resp:	330390
Ion	Ratio	Lower	Upper
43	100		
58	48.9	39.5	59.3
57	17.4	14.6	21.8
100	8.4	6.7	10.1

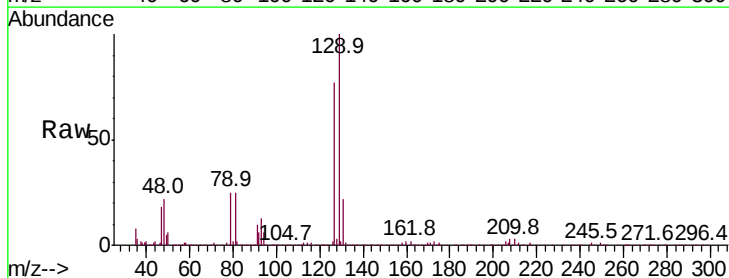


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

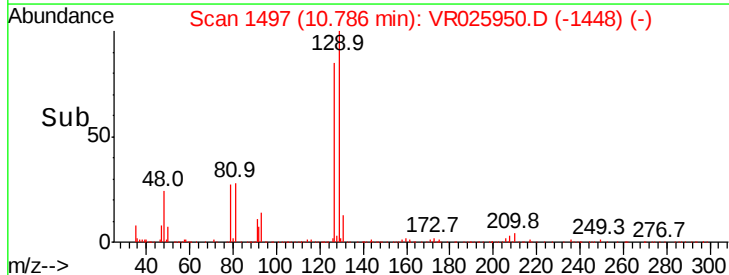
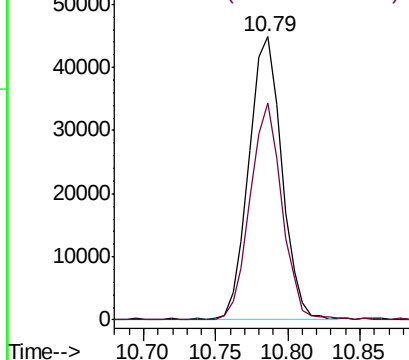


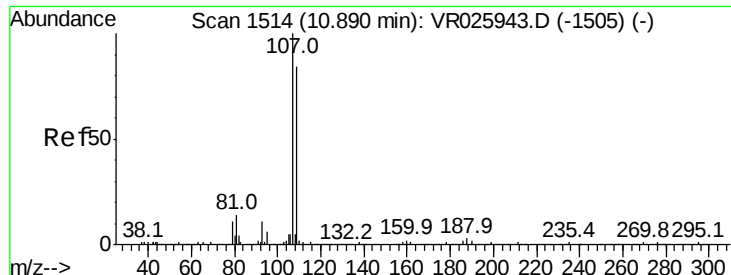
#49
Dibromochloromethane
Concen: 4.969 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

Tgt Ion:	129	Resp:	70557
Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.1	100.5



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

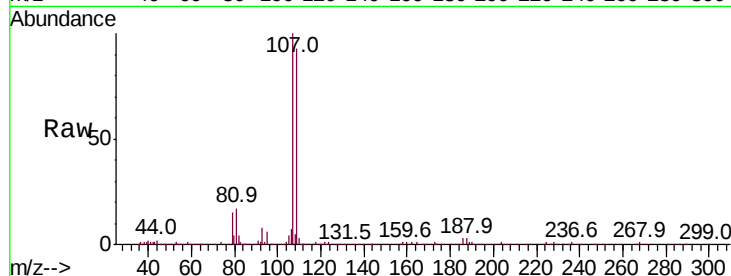




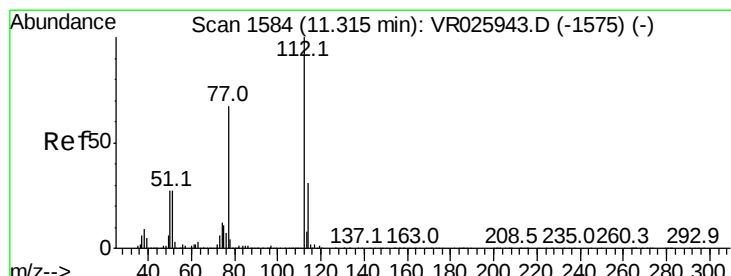
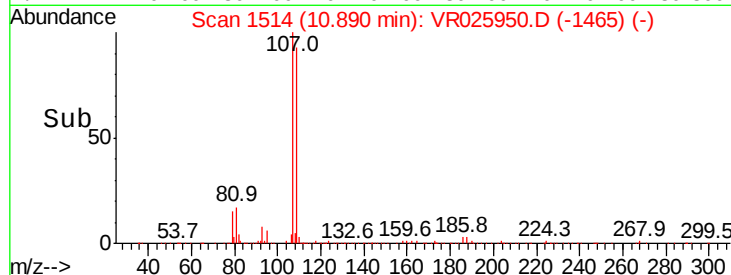
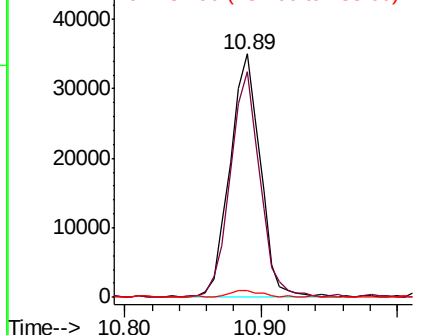
#50
1,2-Dibromoethane
Concen: 4.925 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:107 Resp: 54371
Ion Ratio Lower Upper
107 100
109 92.9 63.5 117.9
188 2.8 1.7 2.5#

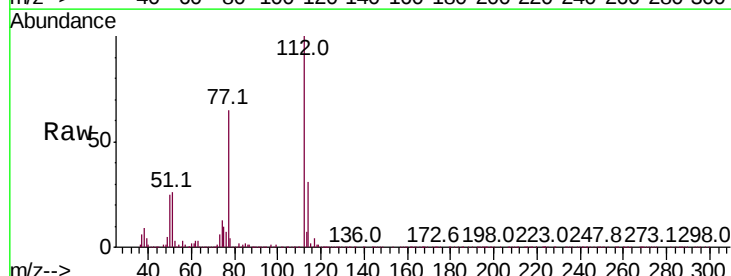


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

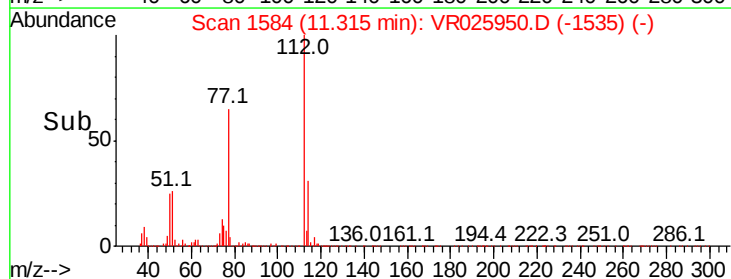
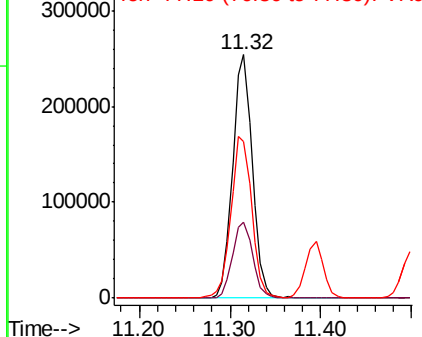


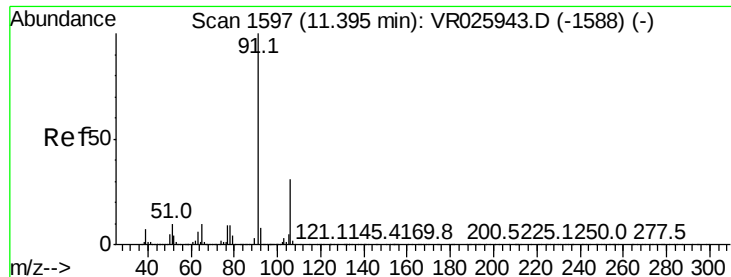
#51
Chlorobenzene
Concen: 4.811 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

Tgt Ion:112 Resp: 382380
Ion Ratio Lower Upper
112 100
114 31.4 22.7 42.3
77 64.5 58.5 87.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.944 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

Instrument :

MSVOA_R

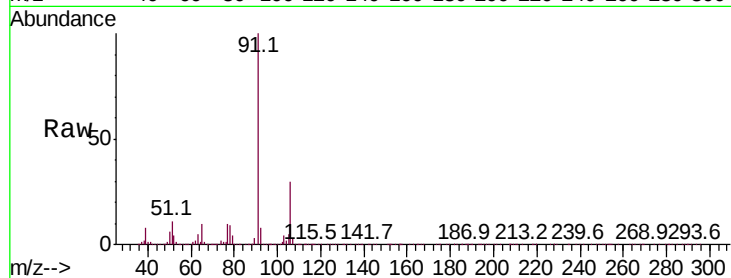
ClientSampleId :

Tot Ion: 91 Resp: 845394

Ion Ratio Lower Upper

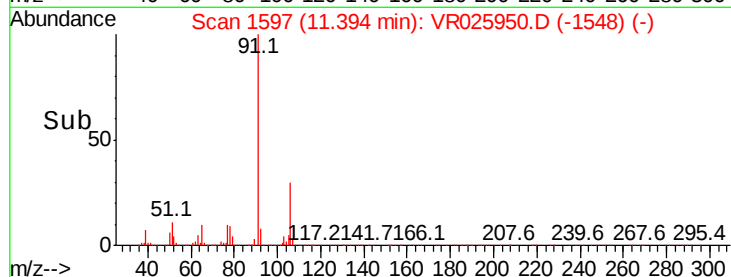
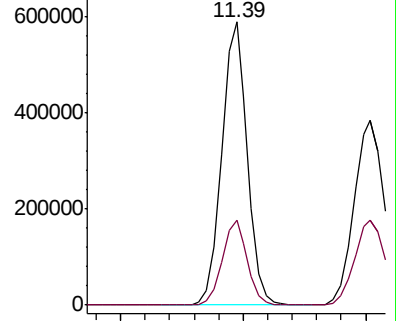
91 100

106 30.2 20.6 38.4

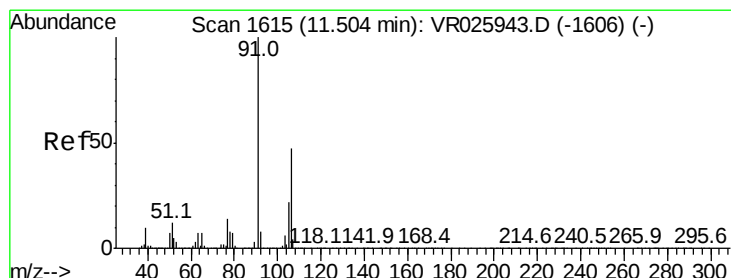


Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V



Time-->



#53

m,p-Xylene

Concen: 5.033 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025950.D

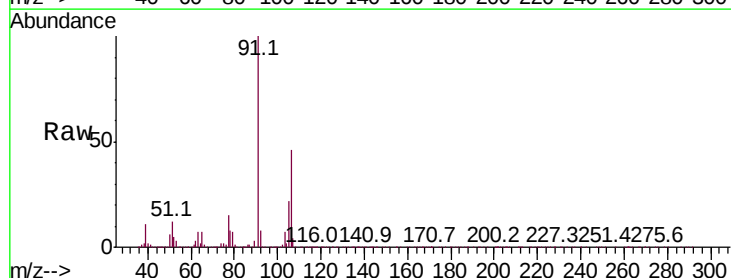
Acq: 5 Oct 2018 10:03

Tgt Ion: 106 Resp: 306424

Ion Ratio Lower Upper

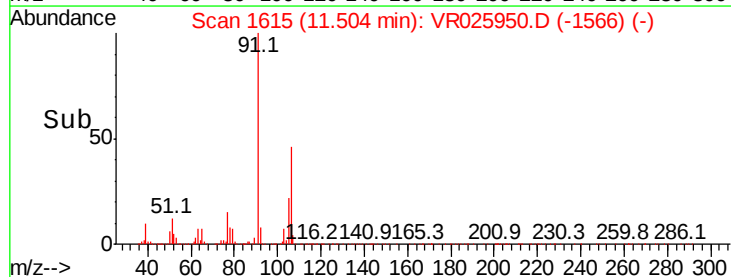
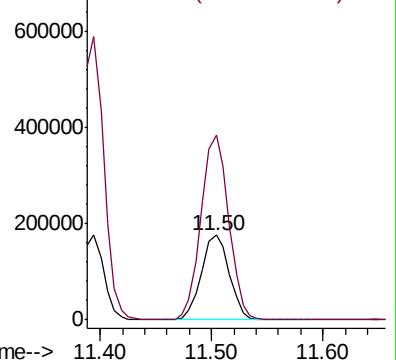
106 100

91 218.5 159.7 296.5

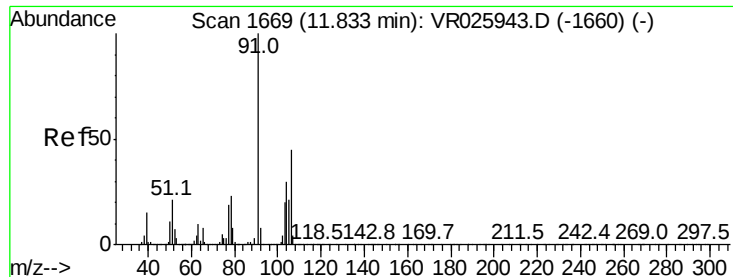


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



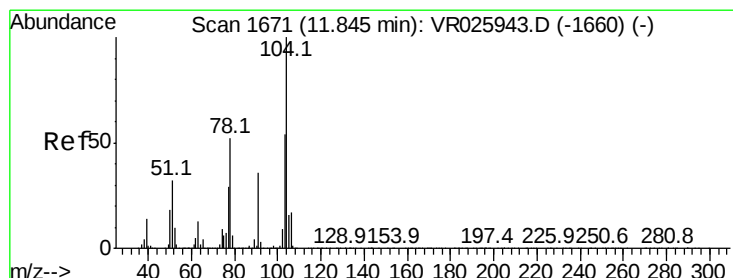
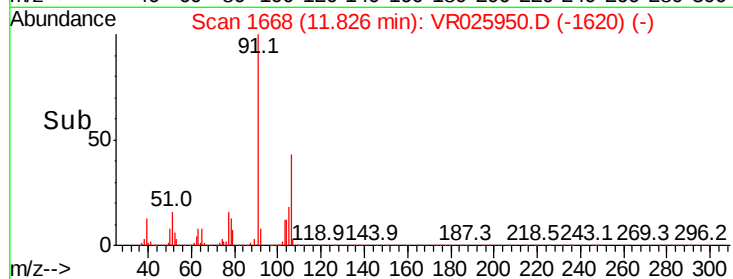
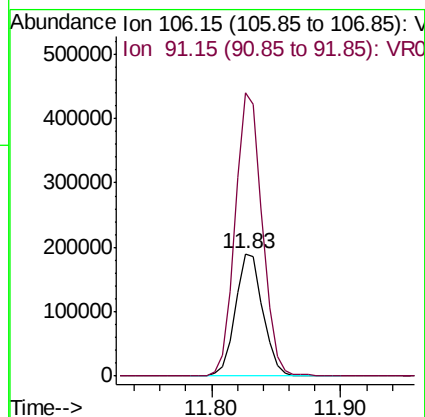
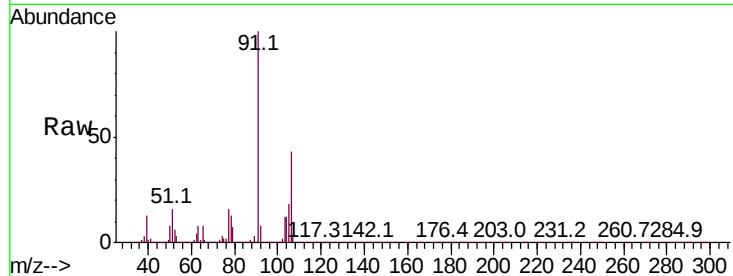
Time-->



#54
o-Xylene
Concen: 4.972 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

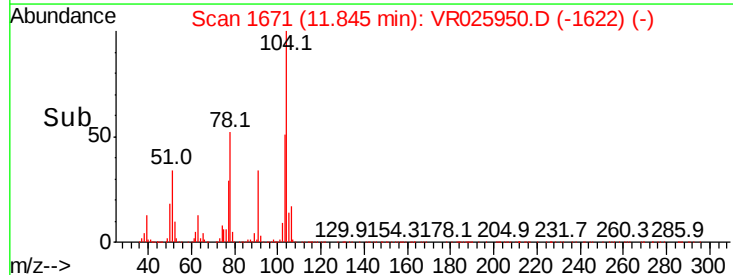
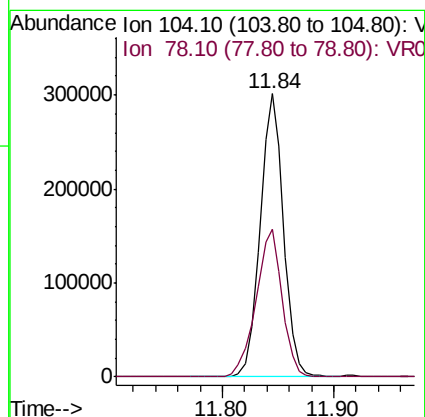
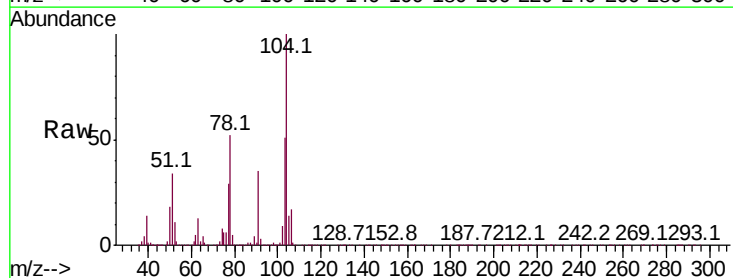
Instrument :
MSVOA_R
ClientSampled :

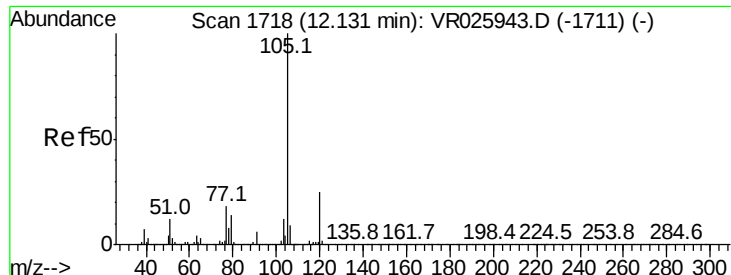
Tot Ion:106 Resp: 281784
Ion Ratio Lower Upper
106 100
91 231.4 164.5 305.5



#55
Styrene
Concen: 4.982 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

Tgt Ion:104 Resp: 439457
Ion Ratio Lower Upper
104 100
78 52.2 39.3 72.9





#56

Isopropylbenzene

Concen: 5.196 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025950.D

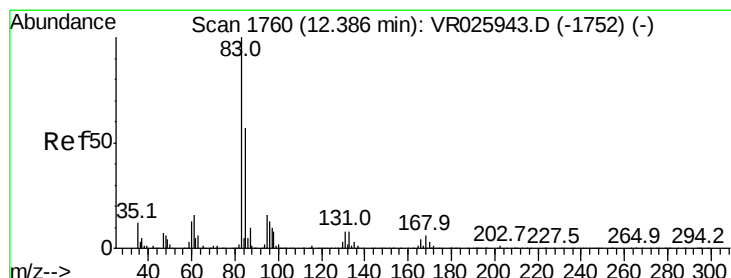
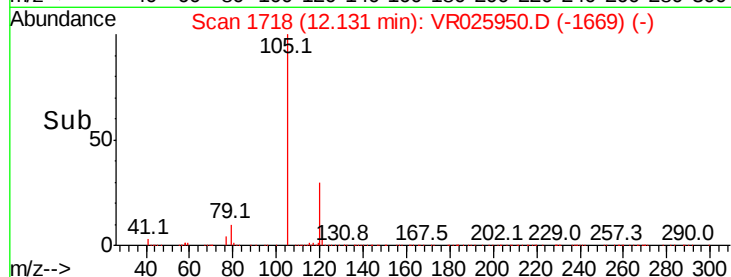
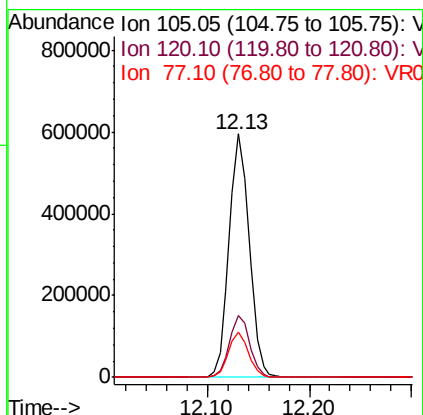
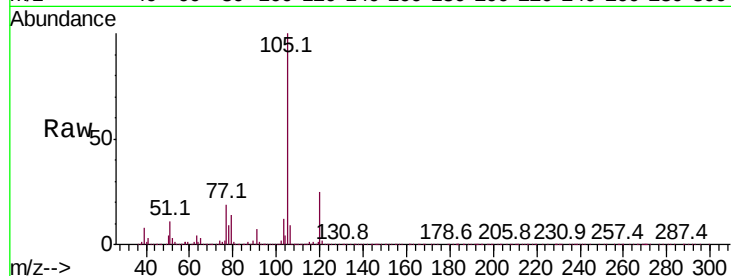
Acq: 5 Oct 2018 10:03

Instrument :

MSVOA_R

ClientSampled :

Tot Ion:	105	Resp:	812175
Ion	Ratio	Lower	Upper
105	100		
120	25.5	19.8	29.8
77	18.3	15.5	23.3



#58

1,1,2,2-Tetrachloroethane

Concen: 4.597 ug/L

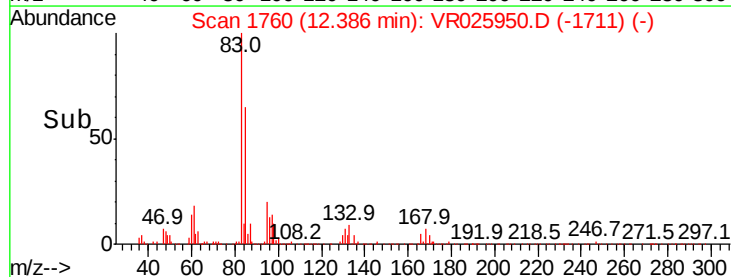
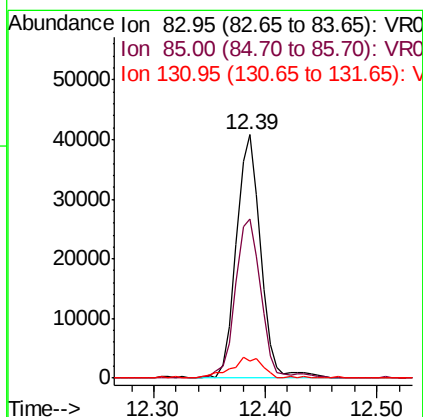
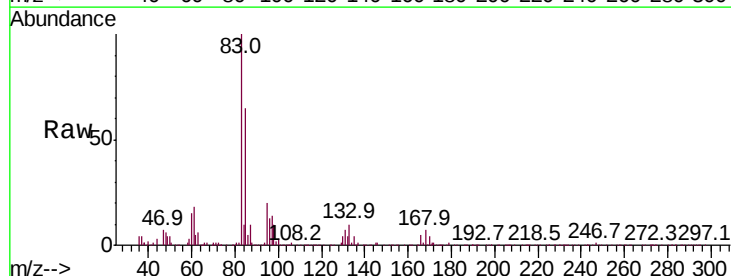
RT: 12.39 min Scan# 1760

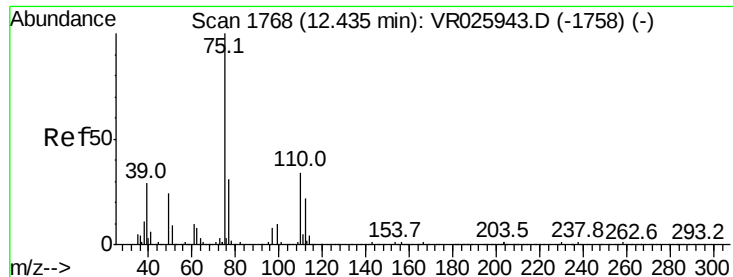
Delta R.T. -0.00 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

Tgt Ion:	83	Resp:	61968
Ion	Ratio	Lower	Upper
83	100		
85	65.4	45.8	85.0
131	7.0	6.6	9.8





#59

1,2,3-Trichloropropane

Concen: 4.729 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

Instrument :

MSVOA_R

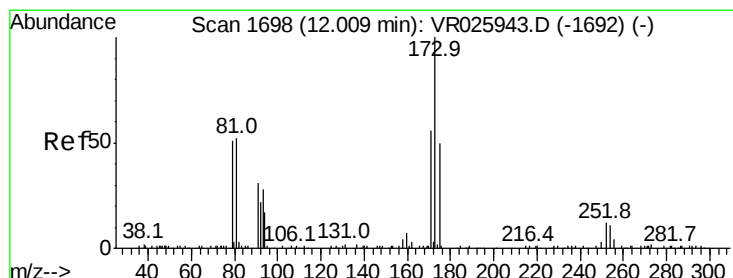
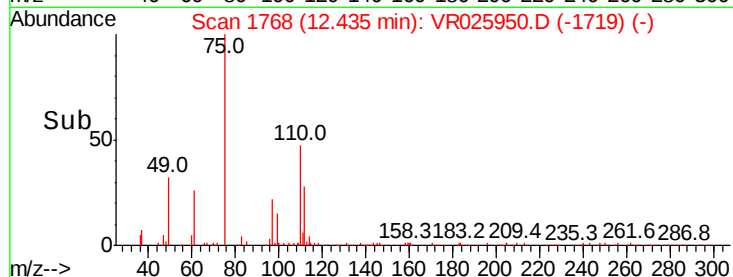
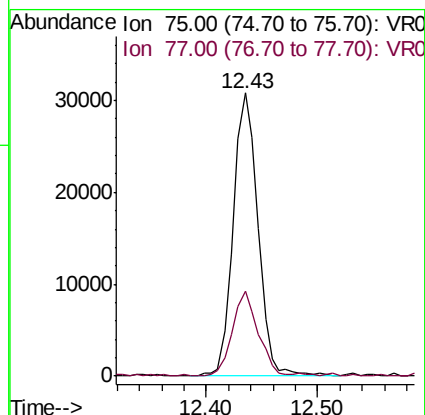
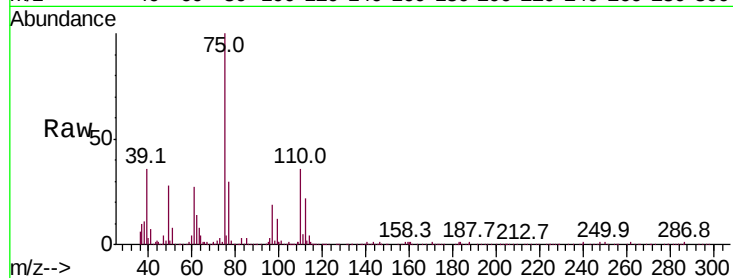
ClientSampleId :

Tot Ion: 75 Resp: 47449

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6



#61

Bromoform

Concen: 4.889 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

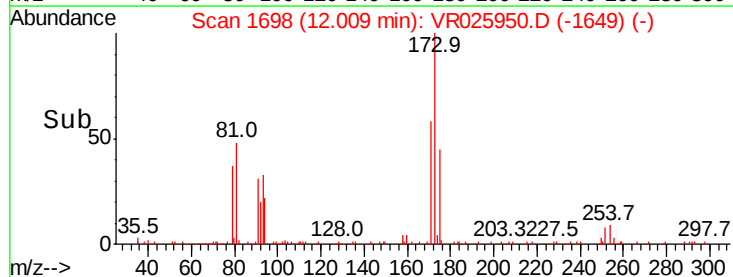
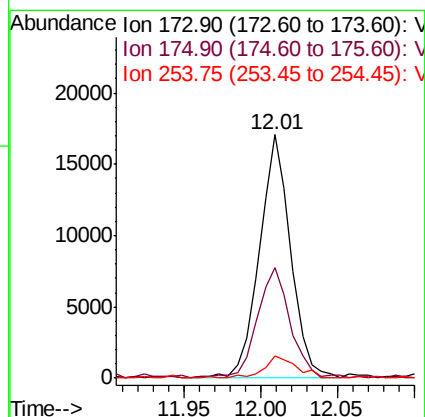
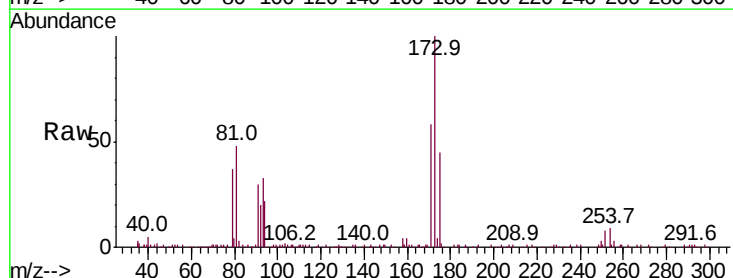
Tgt Ion:173 Resp: 24311

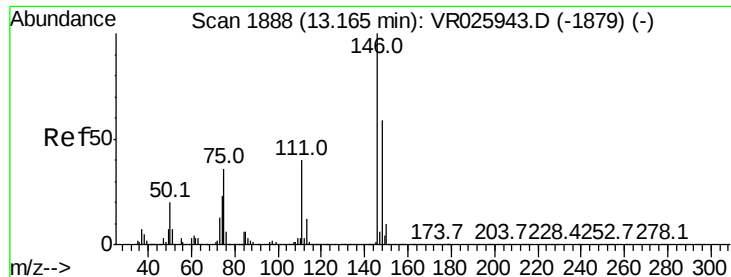
Ion Ratio Lower Upper

173 100

175 47.6 36.9 55.3

254 9.5 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 4.801 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

Instrument :

MSVOA_R

ClientSampleId :

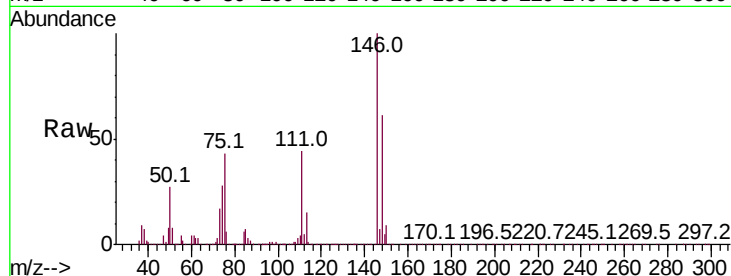
Tot Ion:146 Resp: 230821

Ion Ratio Lower Upper

146 100

111 43.8 36.6 68.0

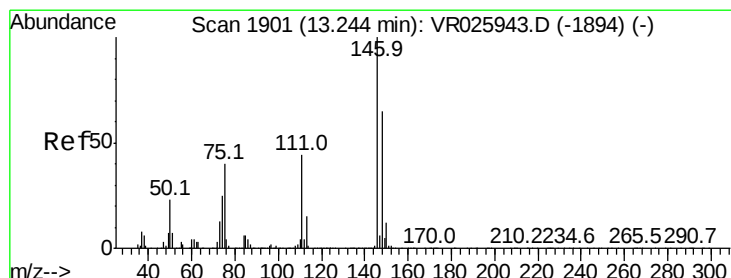
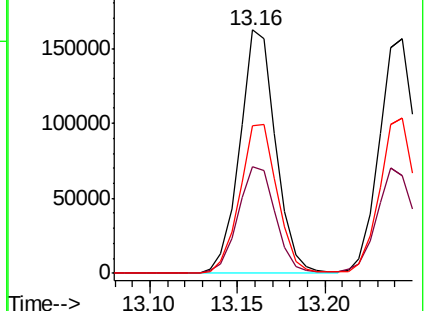
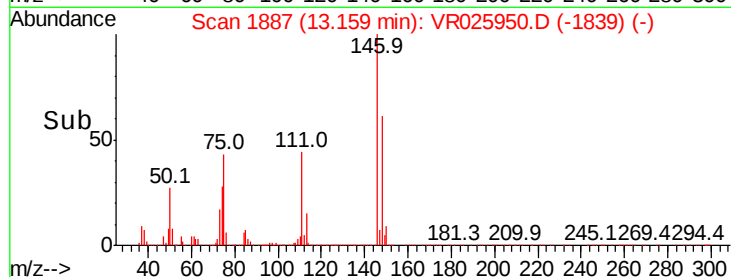
148 60.7 41.9 77.7



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: 4.669 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

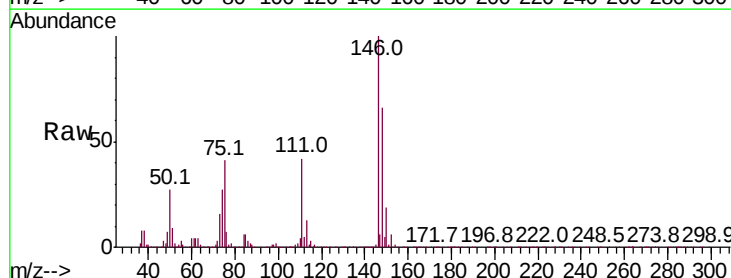
Tgt Ion:146 Resp: 229603

Ion Ratio Lower Upper

146 100

111 41.9 32.9 61.1

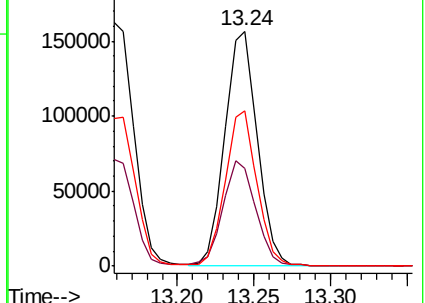
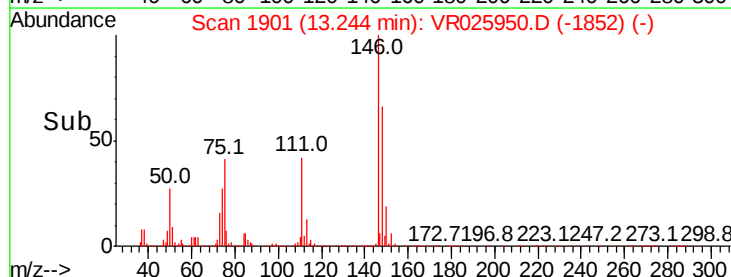
148 66.3 45.5 84.5

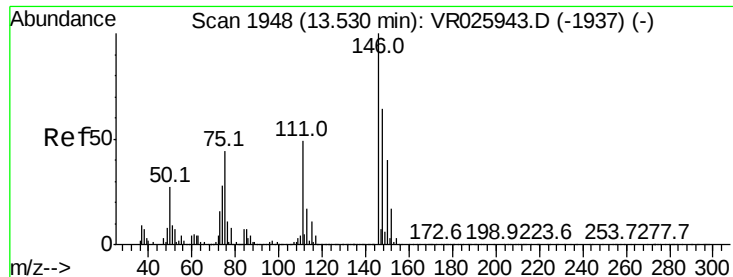


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

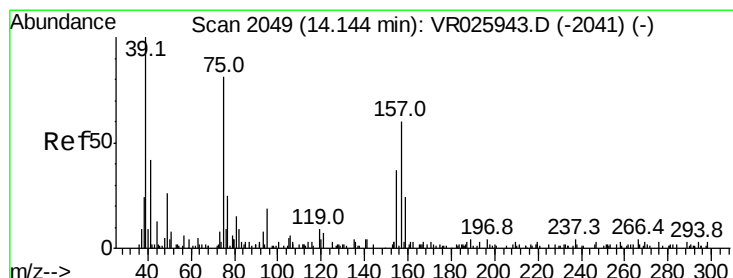
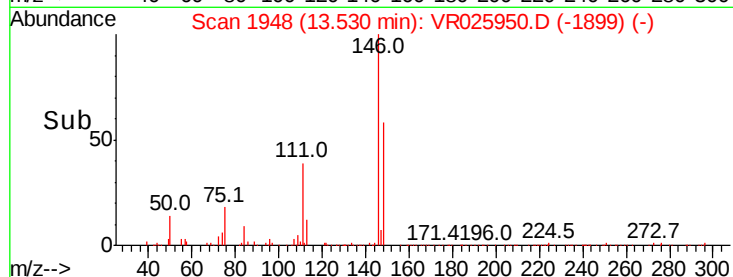
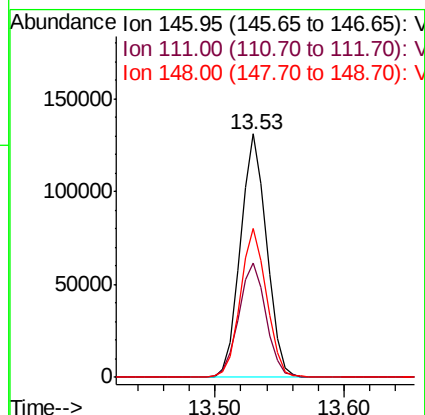
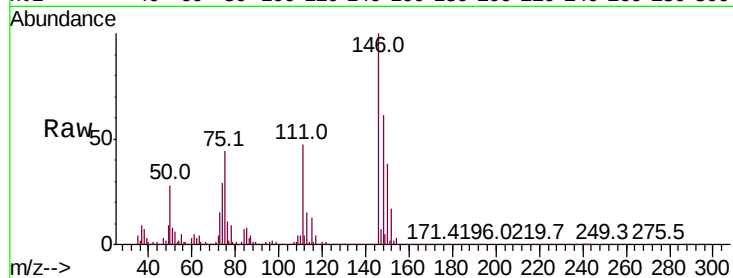




#65
1,2-Dichlorobenzene
Concen: 4.751 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

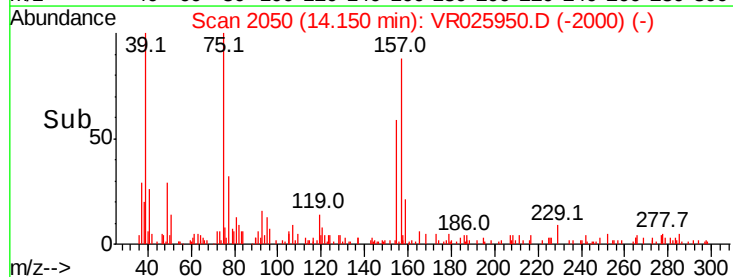
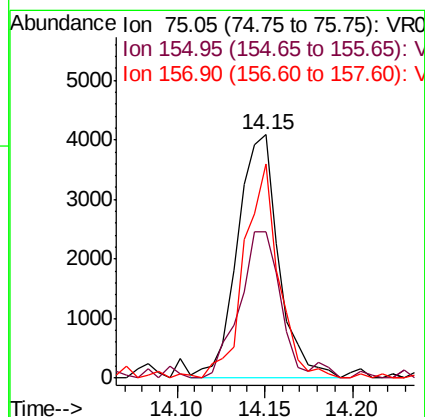
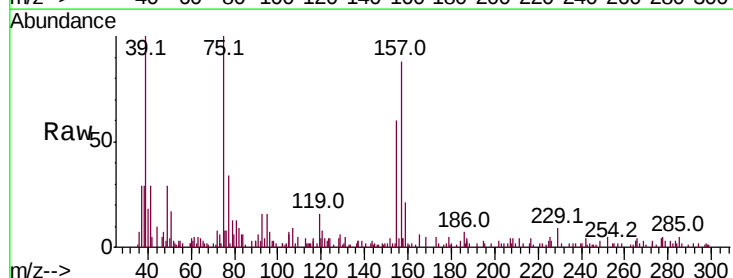
Instrument :
MSVOA_R
ClientSampleId :

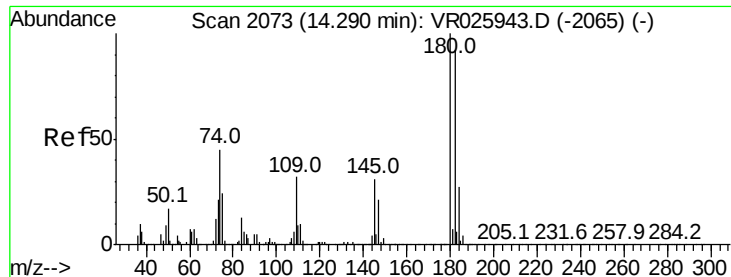
Tot Ion:146 Resp: 183512
Ion Ratio Lower Upper
146 100
111 47.2 39.4 59.0
148 61.1 53.5 80.3



#66
1,2-Dibromo-3-chloropropane
Concen: 4.111 ug/L
RT: 14.15 min Scan# 2050
Delta R.T. 0.01 min
Lab File: VR025950.D
Acq: 5 Oct 2018 10:03

Tgt Ion: 75 Resp: 6677
Ion Ratio Lower Upper
75 100
155 60.3 37.8 56.6#
157 87.9 49.7 74.5#

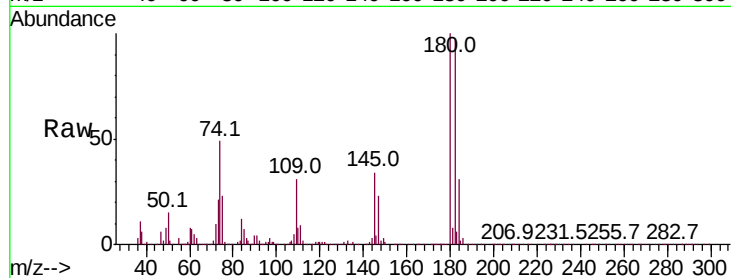




#67
 1,3,5-Trichlorobenzene
 Concen: 4.841 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025950.D
 Acq: 5 Oct 2018 10:03

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.2	115.8
184	29.8	24.5	36.7
145	34.8	31.1	46.7



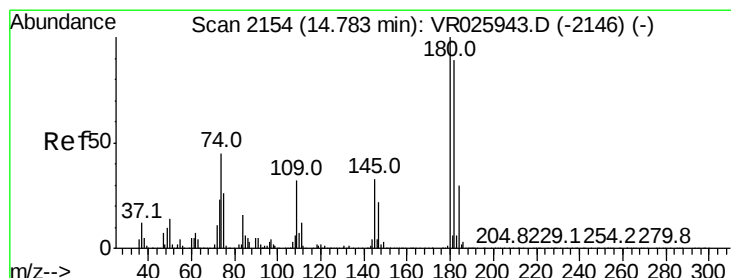
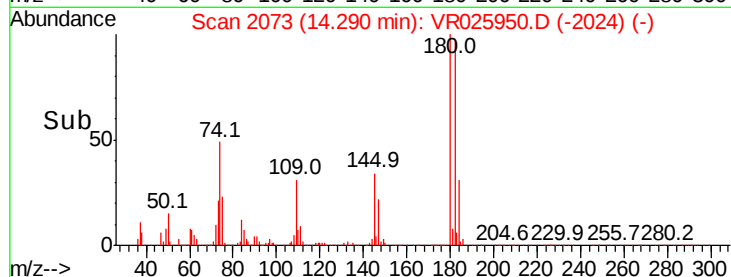
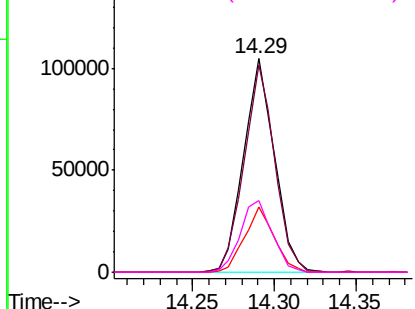
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

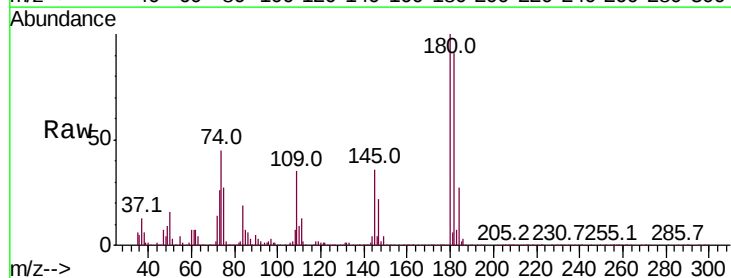
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.602 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025950.D
 Acq: 5 Oct 2018 10:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.7	75.2	112.8
145	36.3	30.5	45.7

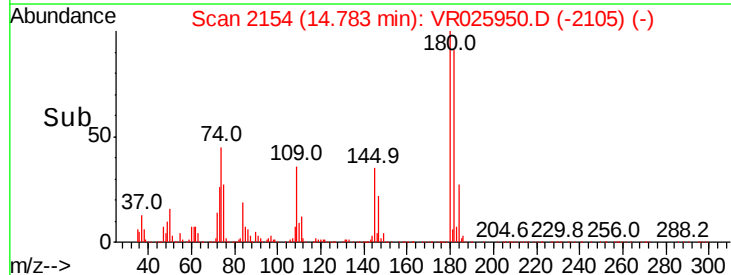
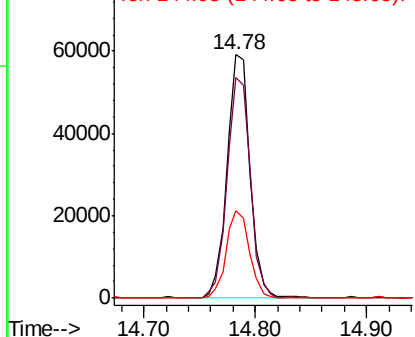


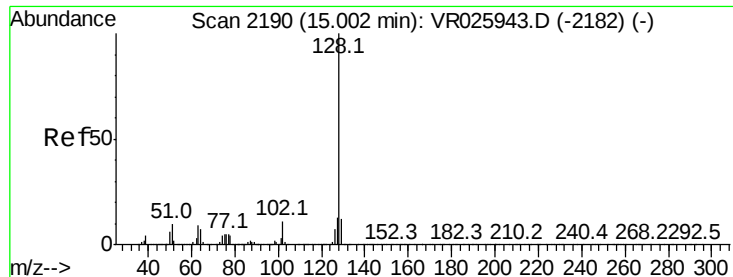
Abundance

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: 4.331 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025950.D

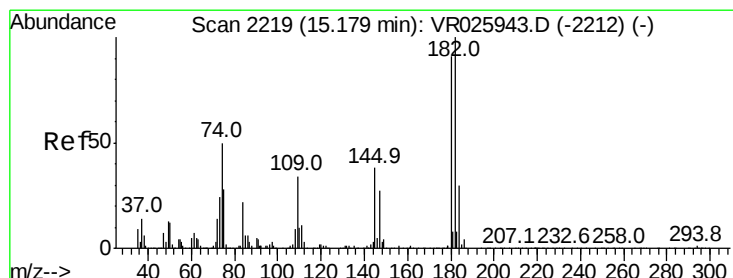
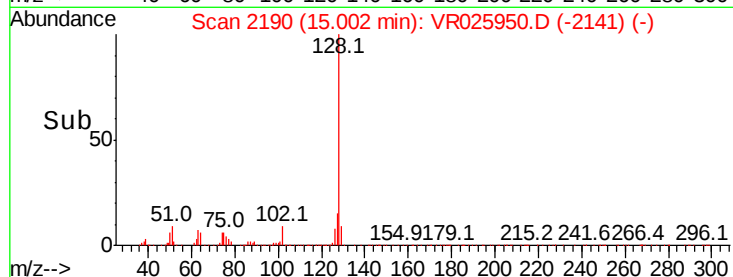
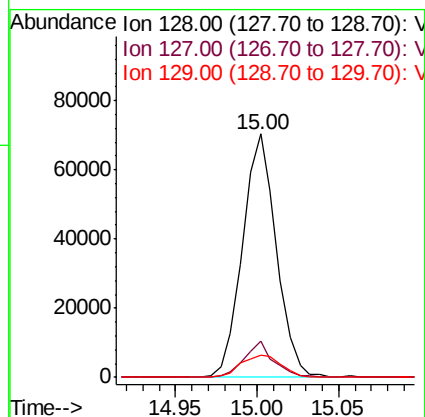
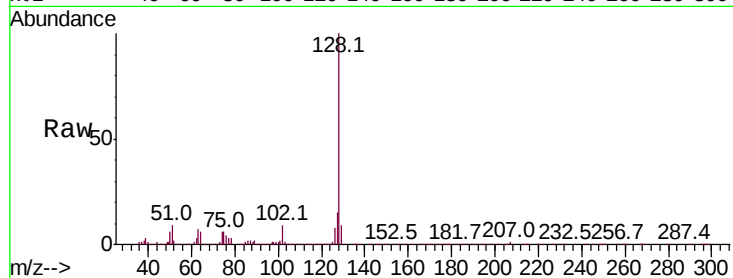
Acq: 5 Oct 2018 10:03

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:	128	Resp:	100912
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.3	9.4	14.2



#70

1,2,3-Trichlorobenzene

Concen: 4.671 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025950.D

Acq: 5 Oct 2018 10:03

Tgt Ion:	180	Resp:	59166
Ion	Ratio	Lower	Upper
180	100		
182	97.9	74.7	112.1
145	36.5	31.3	46.9

