

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100818\
 Data File : VR025995.D
 Acq On : 8 Oct 2018 20:36
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 09 05:32:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 09 05:29:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	427522	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	372491	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	145015	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	172913	5.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.60%
7) Chloroethane-d5	2.63	69	150356	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.20%
11) 1,1-Dichloroethene-d2	3.64	63	405369	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.40%
20) 2-Butanone-d5	6.59	46	219147	58.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.62%
24) Chloroform-d	7.20	84	305216	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	7.90	65	138645	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
32) Benzene-d6	7.85	84	591702	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	8.90	67	165305	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	9.97	98	555144	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	10.23	79	41007	5.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.20%
46) 2-Hexanone-d5	10.59	63	173355	59.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.88%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	77820	5.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	115782	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	110363	4.247 ug/L #	73
3) Chloromethane	2.01	50	198758	5.379 ug/L	98
5) Vinyl chloride	2.16	62	190107	5.169 ug/L	97
6) Bromomethane	2.52	94	117475	5.116 ug/L	98
8) Chloroethane	2.66	64	117377	5.609 ug/L	95
9) Trichlorofluoromethane	2.93	101	87482	1.713 ug/L #	47
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	159855	5.121 ug/L	92
12) 1,1-Dichloroethene	3.66	96	172656	5.350 ug/L	80
13) Acetone	3.70	43	148066	54.354 ug/L	94
14) Carbon disulfide	3.97	76	338260	4.330 ug/L	99
15) Methyl Acetate	4.20	43	43049	5.699 ug/L	100
16) Methylene chloride	4.40	84	167814	5.655 ug/L	97
17) Methyl tert-butyl Ether	4.90	73	188394	5.272 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	126407	4.736 ug/L	85
19) 1,1-Dichloroethane	5.69	63	255249	4.830 ug/L	96
21) 2-Butanone	6.69	43	201142	53.683 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	133219	4.960 ug/L #	93

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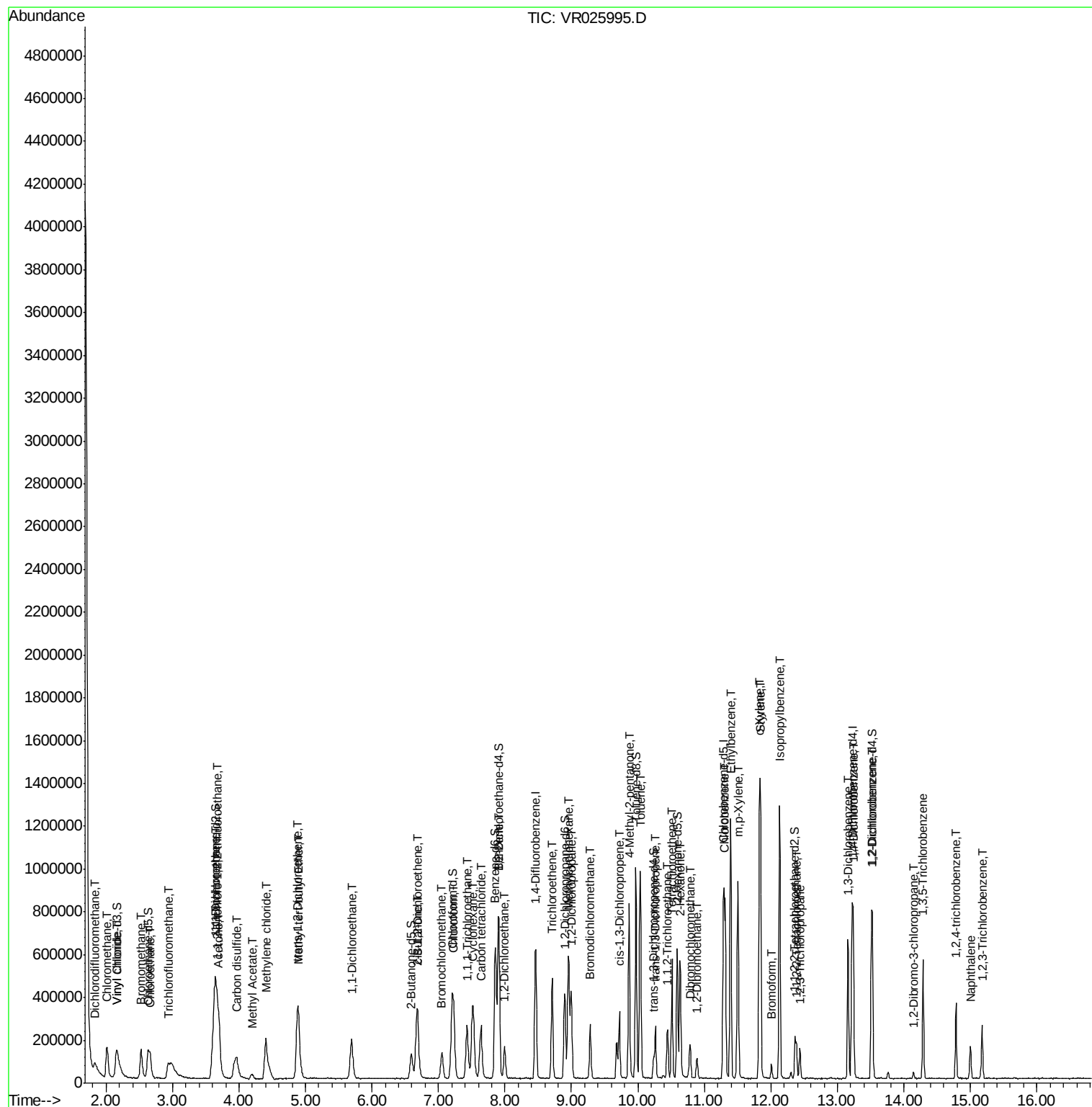
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	36622	5.026	ug/L	83
25) Chloroform	7.23	83	258682	5.027	ug/L	95
27) 1,2-Dichloroethane	7.99	62	130650	5.088	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	200353	4.783	ug/L	98
30) Cyclohexane	7.52	56	203915	3.896	ug/L	96
31) Carbon tetrachloride	7.64	117	179627	4.952	ug/L	99
33) Benzene	7.91	78	585277	4.685	ug/L	100
34) Trichloroethene	8.71	95	144895	4.401	ug/L	94
35) Methylcyclohexane	8.95	83	203858	4.119	ug/L	99
37) 1,2-Dichloropropane	9.00	63	131825	4.918	ug/L	100
38) Bromodichloromethane	9.28	83	144381	4.993	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	149979	4.991	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	514881	54.632	ug/L	98
42) Toluene	10.04	91	615237	4.739	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	108087	5.509	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	60551	4.994	ug/L	90
47) Tetrachloroethene	10.51	164	87675	4.322	ug/L	92
48) 2-Hexanone	10.63	43	336339	54.507	ug/L	99
49) Dibromochloromethane	10.79	129	65204	5.300	ug/L	98
50) 1,2-Dibromoethane	10.89	107	52294	5.467	ug/L #	99
51) Chlorobenzene	11.32	112	336085	4.880	ug/L	96
52) Ethylbenzene	11.39	91	714176	4.820	ug/L	98
53) m,p-Xylene	11.50	106	253928	4.814	ug/L	98
54) o-Xylene	11.83	106	245619	5.002	ug/L	92
55) Styrene	11.84	104	386915	5.063	ug/L	93
56) Isopropylbenzene	12.13	105	668421	4.935	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	60464	5.176	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	46355	5.332	ug/L	98
61) Bromoform	12.01	173	22603	5.156	ug/L #	97
62) 1,3-Dichlorobenzene	13.16	146	194049	4.578	ug/L	92
63) 1,4-Dichlorobenzene	13.24	146	200596	4.627	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	164897	4.842	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	6655	4.648	ug/L	89
67) 1,3,5-Trichlorobenzene	14.29	180	117790	4.666	ug/L	96
68) 1,2,4-trichlorobenzene	14.78	180	75950	4.719	ug/L	98
69) Naphthalene	15.00	128	96348	4.691	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	54961	4.922	ug/L	98

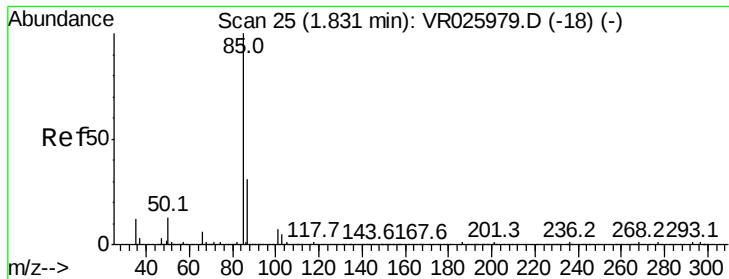
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.247 ug/L

RT: 1.84 min Scan# 27

Delta R.T. 0.01 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

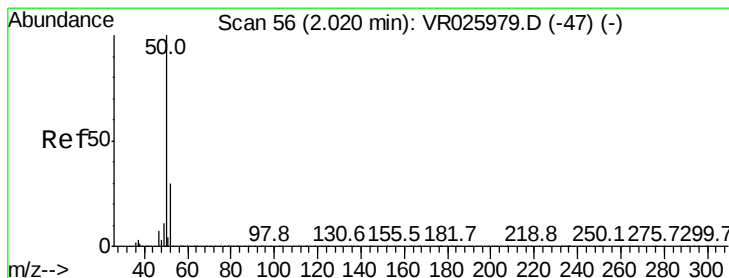
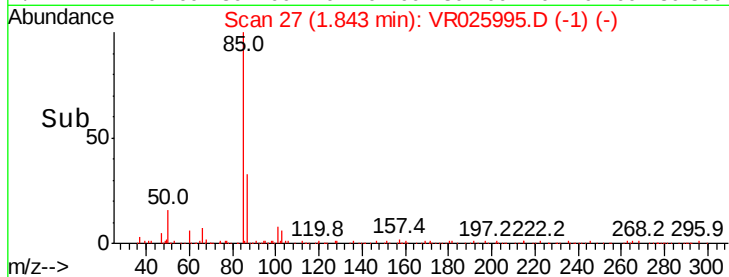
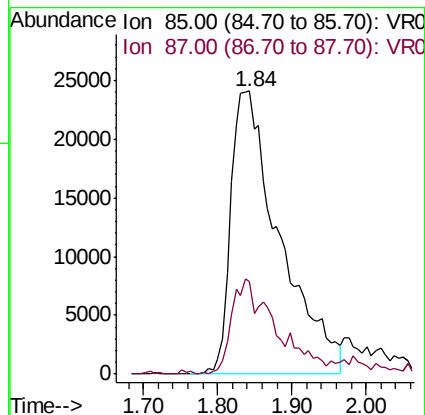
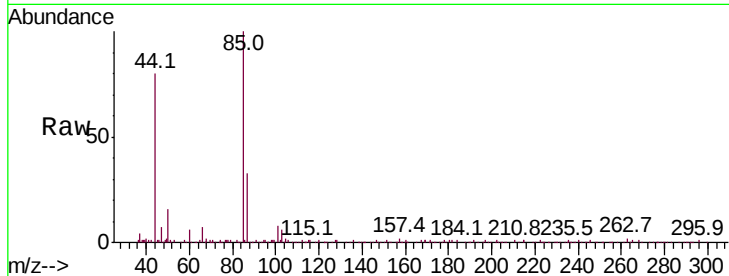
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 85 Resp: 110363

Ion Ratio Lower Upper

85 100

87 16.4 25.1 37.7#



#3

Chloromethane

Concen: 5.379 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.01 min

Lab File: VR025995.D

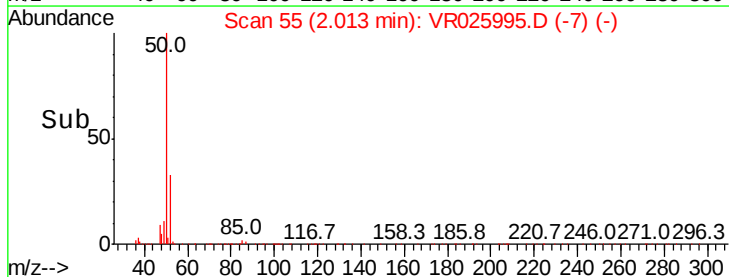
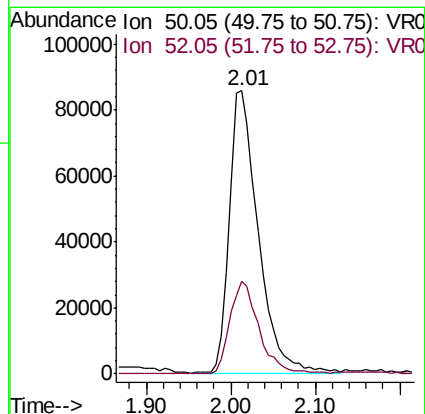
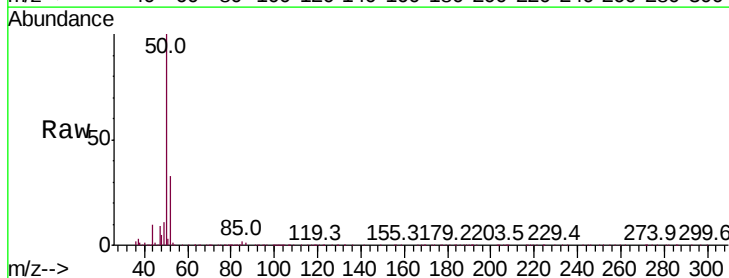
Acq: 8 Oct 2018 20:36

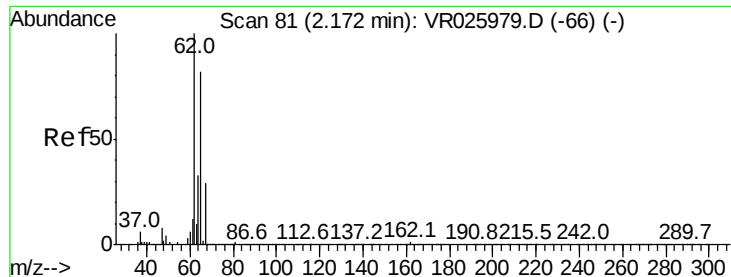
Tgt Ion: 50 Resp: 198758

Ion Ratio Lower Upper

50 100

52 32.9 22.1 41.1





#5

Vinyl chloride

Concen: 5.169 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Instrument :

MSVOA_R

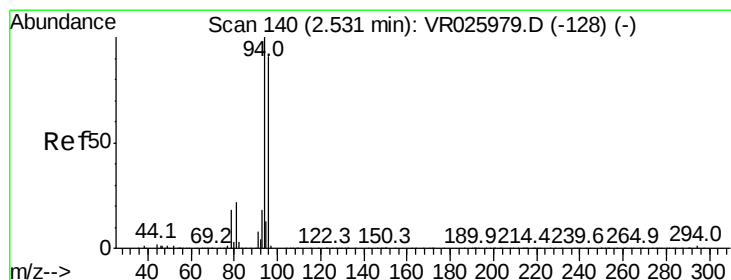
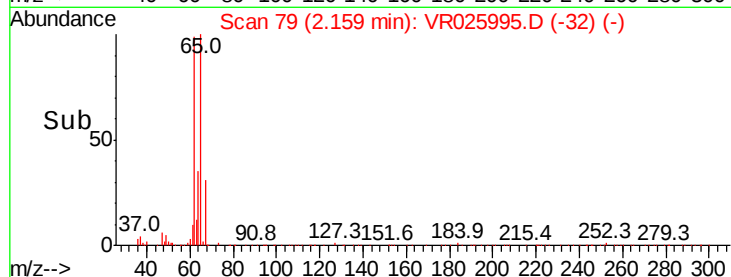
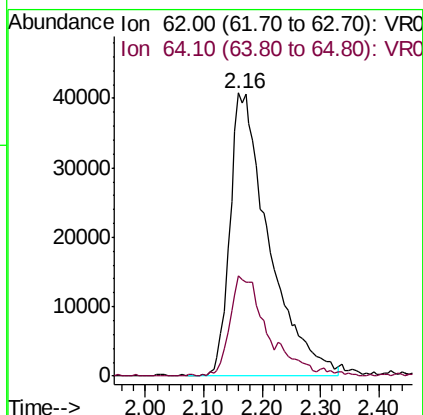
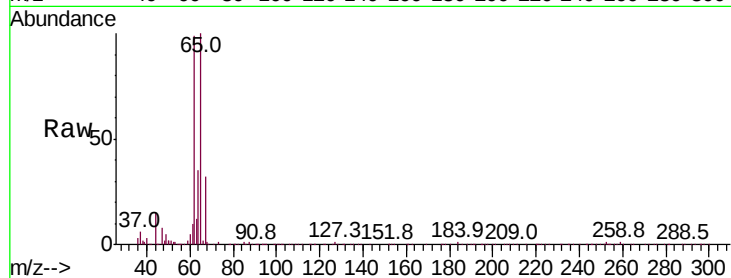
ClientSampleId :

Tot Ion: 62 Resp: 190107

Ion Ratio Lower Upper

62 100

64 35.3 23.5 43.7



#6

Bromomethane

Concen: 5.116 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR025995.D

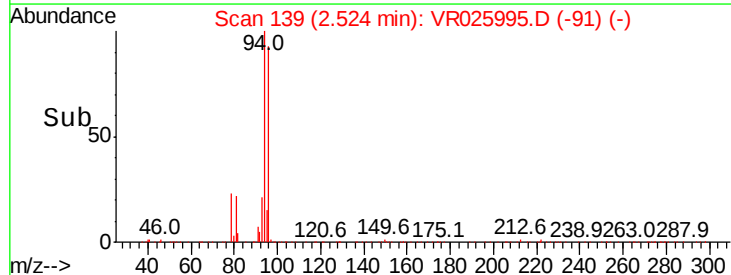
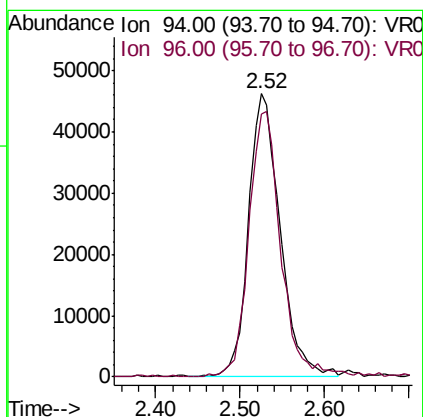
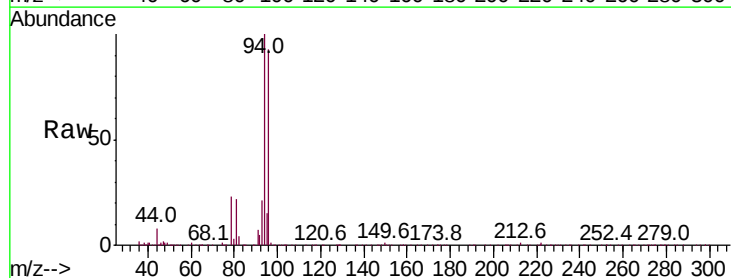
Acq: 8 Oct 2018 20:36

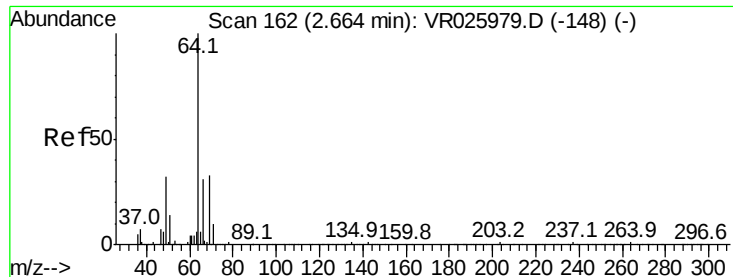
Tgt Ion: 94 Resp: 117475

Ion Ratio Lower Upper

94 100

96 92.8 66.1 122.8





#8

Chloroethane

Concen: 5.609 ug/L

RT: 2.66 min Scan# 162

Delta R.T. -0.00 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Instrument :

MSVOA_R

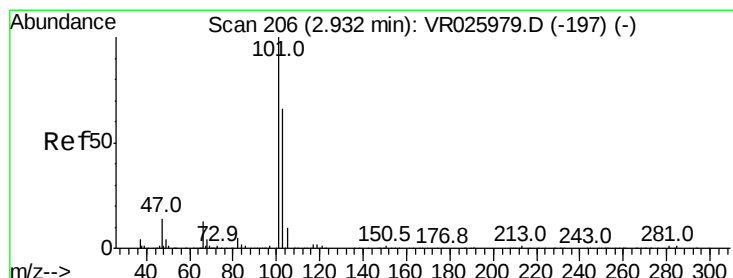
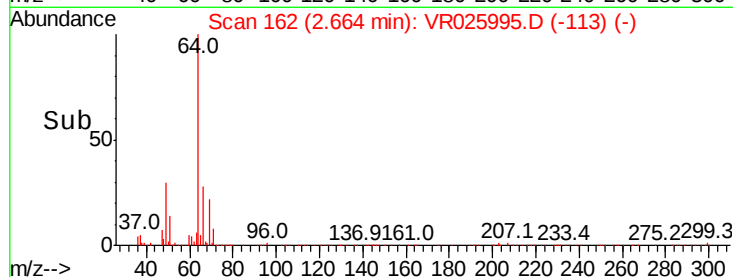
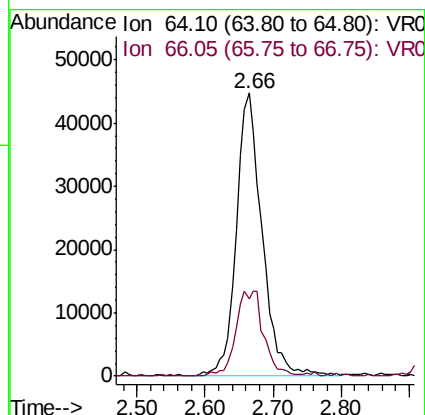
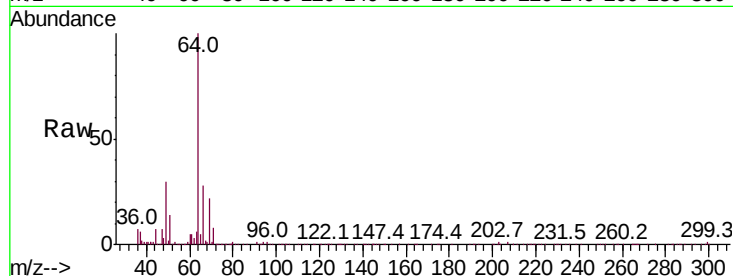
ClientSampleId :

Tot Ion: 64 Resp: 117377

Ion Ratio Lower Upper

64 100

66 27.5 21.3 39.5



#9

Trichlorofluoromethane

Concen: 1.713 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.00 min

Lab File: VR025995.D

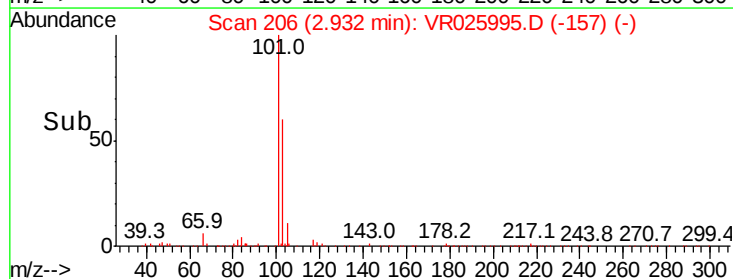
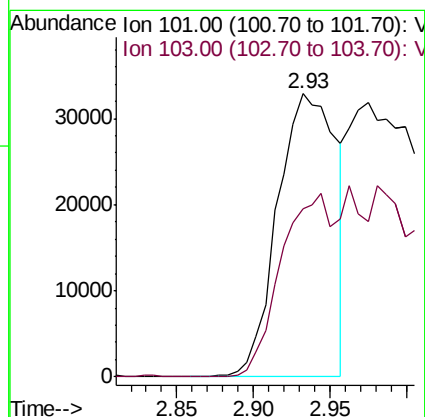
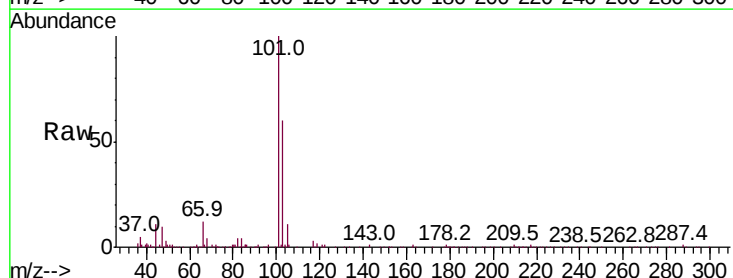
Acq: 8 Oct 2018 20:36

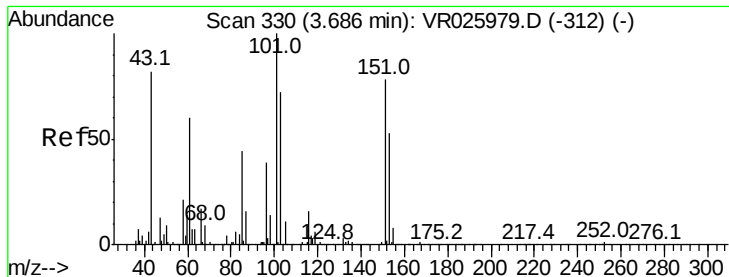
Tgt Ion: 101 Resp: 87482

Ion Ratio Lower Upper

101 100

103 55.1 22.1 33.1#





#10

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

Concen: 5.121 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.00 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Instrument :

MSVOA_R

ClientSampled :

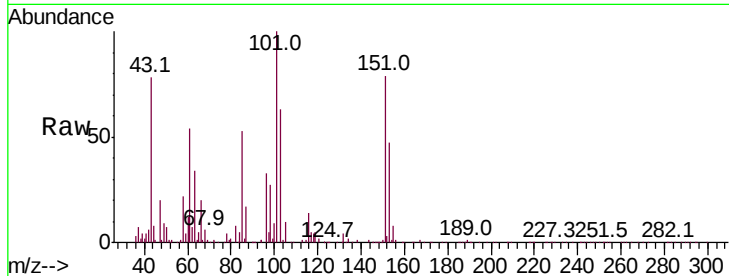
Tot Ion:101 Resp: 159855

Ion Ratio Lower Upper

101 100

85 49.2 38.2 57.4

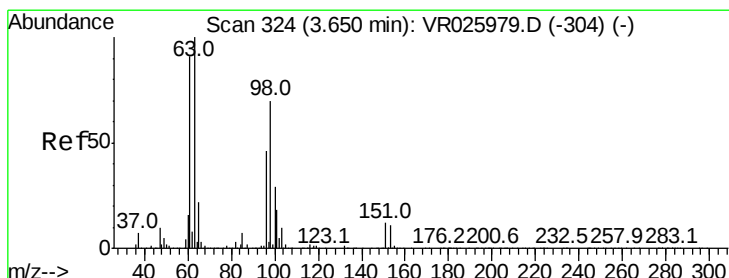
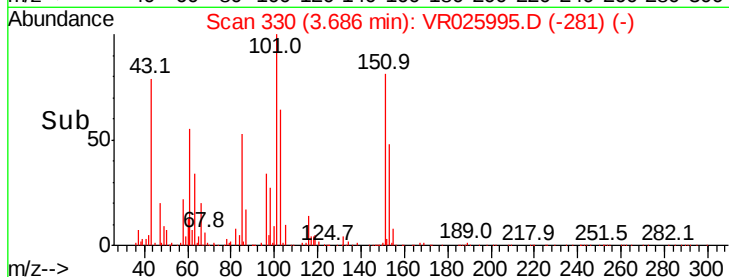
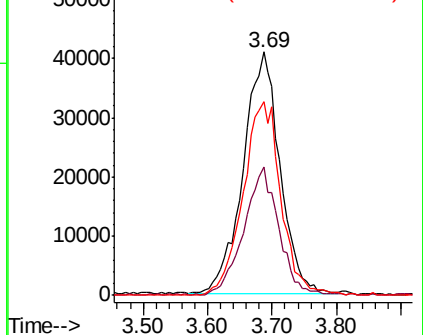
151 82.7 58.4 87.6



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: 5.350 ug/L

RT: 3.66 min Scan# 325

Delta R.T. 0.01 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

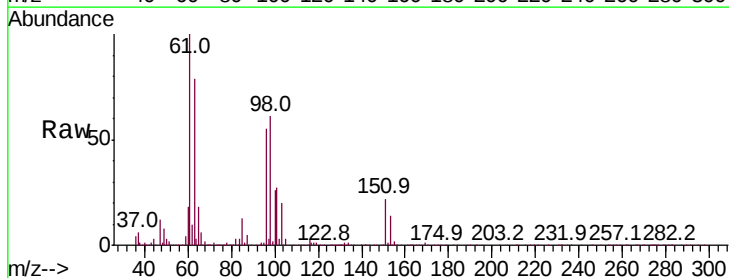
Tgt Ion: 96 Resp: 172656

Ion Ratio Lower Upper

96 100

61 181.6 145.0 269.4

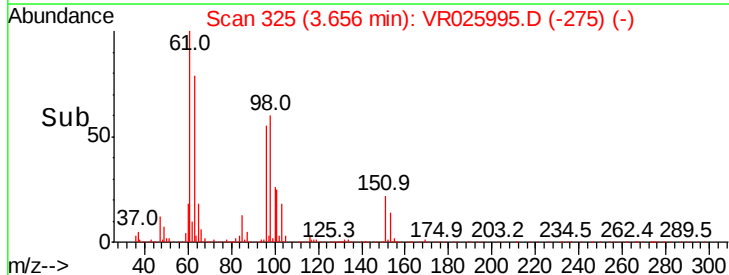
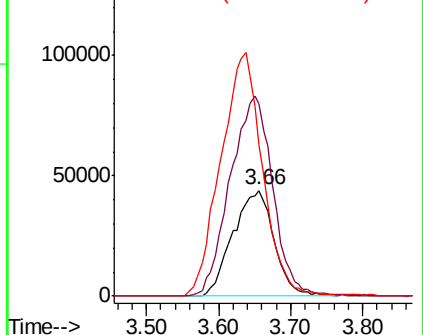
63 143.5 123.8 230.0

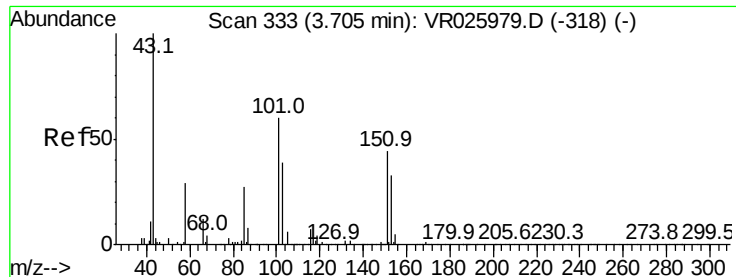


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 54.354 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.01 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

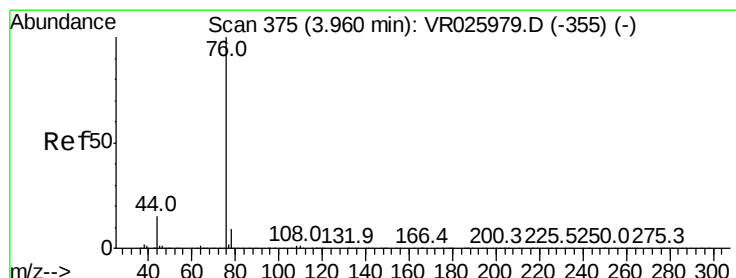
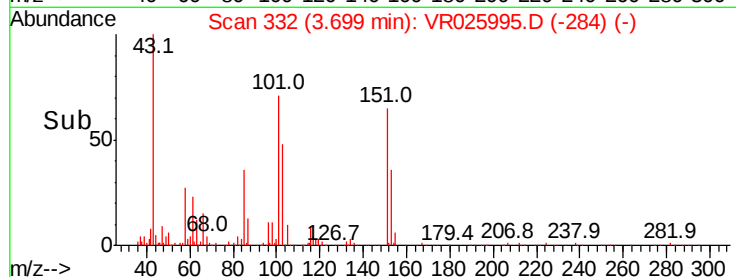
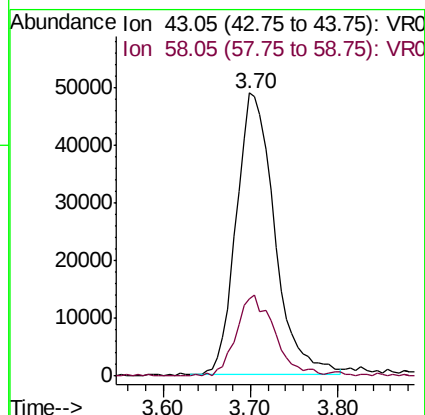
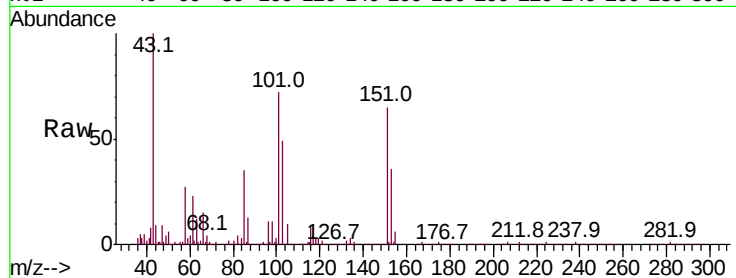
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 148066

Ion Ratio Lower Upper

43 100

58 28.9 0.0 51.4



#14

Carbon disulfide

Concen: 4.330 ug/L

RT: 3.97 min Scan# 376

Delta R.T. 0.01 min

Lab File: VR025995.D

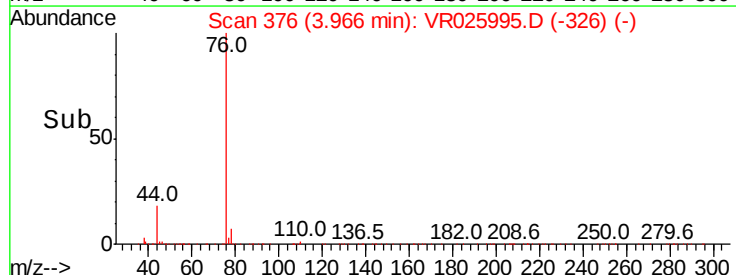
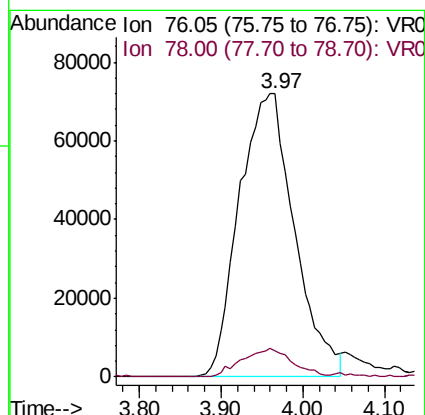
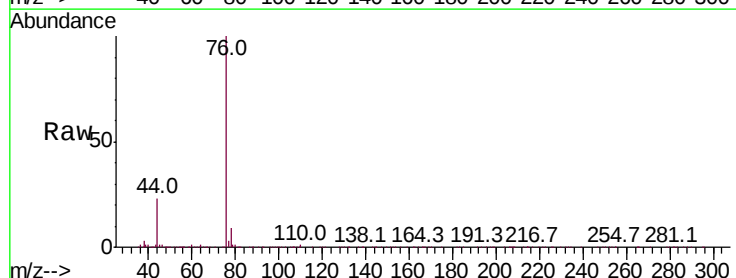
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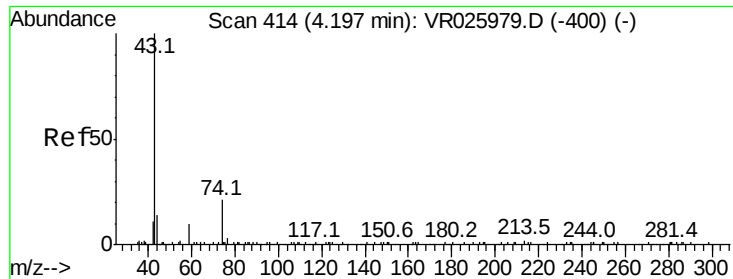
Tgt Ion: 76 Resp: 338260

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

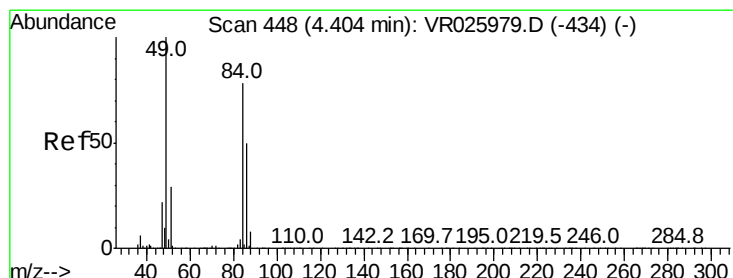
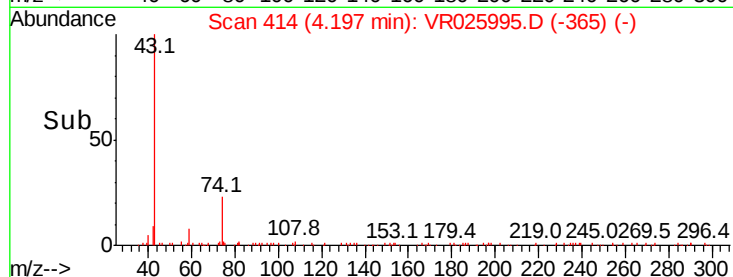
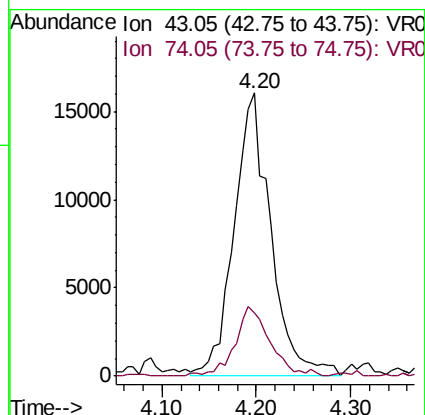
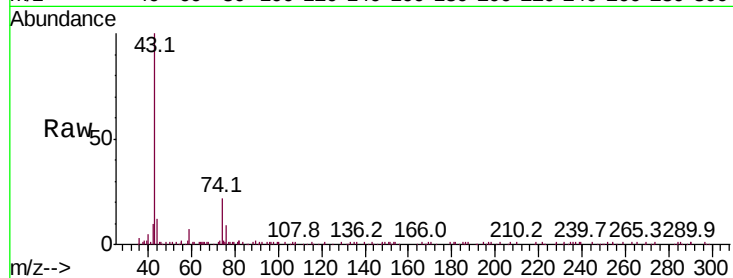




#15
Methyl Acetate
Concen: 5.699 ug/L
RT: 4.20 min Scan# 414
Delta R.T. -0.00 min
Lab File: VR025995.D
Acq: 8 Oct 2018 20:36

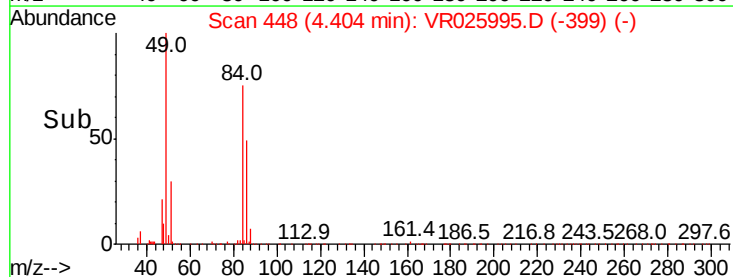
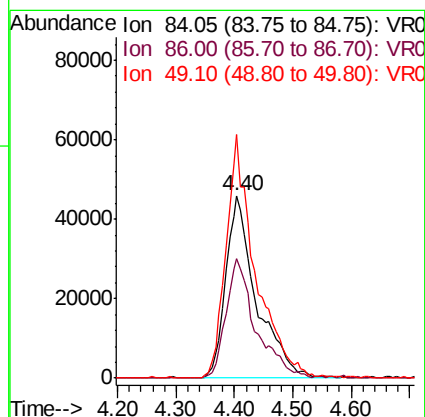
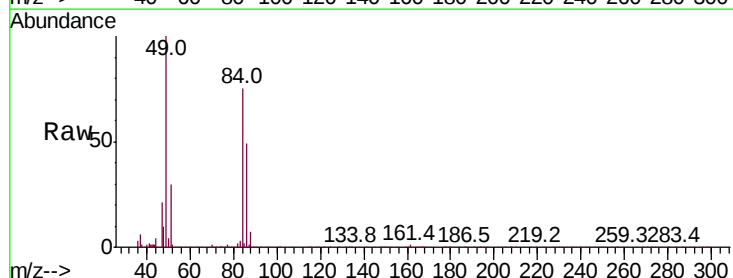
Instrument :
MSVOA_R
ClientSampleId :

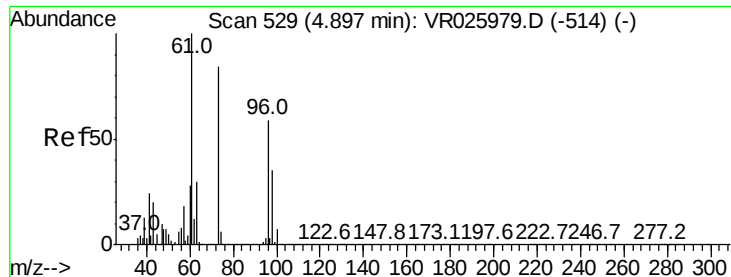
Tot Ion: 43 Resp: 43049
Ion Ratio Lower Upper
43 100
74 23.9 19.0 28.4



#16
Methylene chloride
Concen: 5.655 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR025995.D
Acq: 8 Oct 2018 20:36

Tgt Ion: 84 Resp: 167814
Ion Ratio Lower Upper
84 100
86 65.4 43.1 80.1
49 133.2 95.5 177.3





#17

Methvl tert-butvl Ether

Concen: 5.272 ug/L

RT: 4.90 min Scan# 529

Delta R.T. -0.00 min

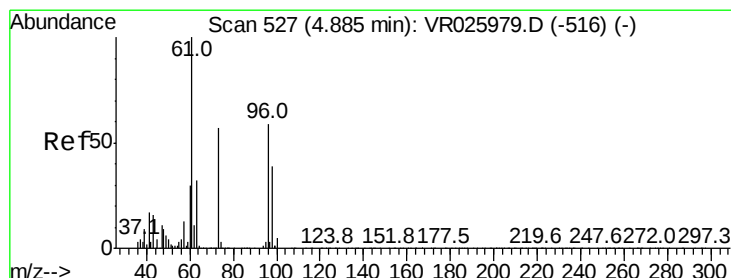
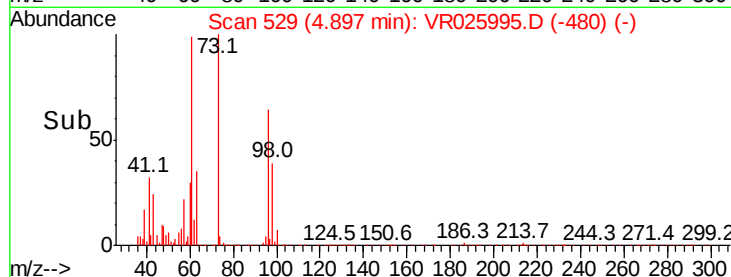
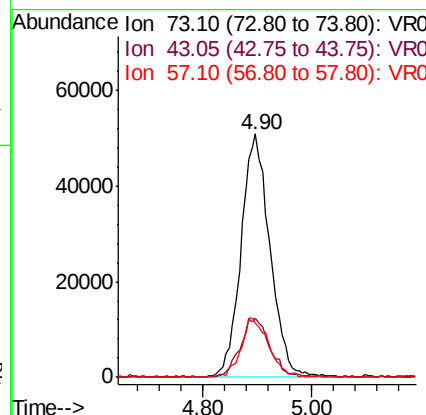
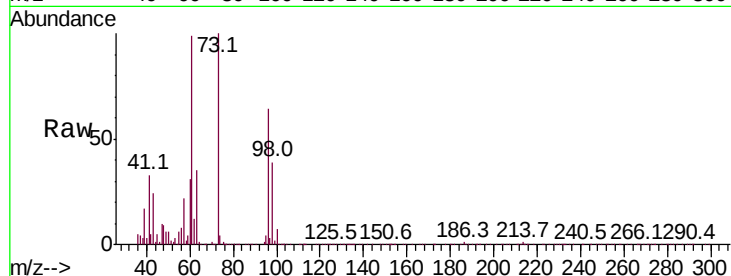
Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 73 Resp: 188394

Ion	Ratio	Lower	Upper
73	100		
43	25.0	19.8	29.8
57	23.6	17.9	26.9



#18

trans-1,2-Dichloroethene

Concen: 4.736 ug/L

RT: 4.88 min Scan# 526

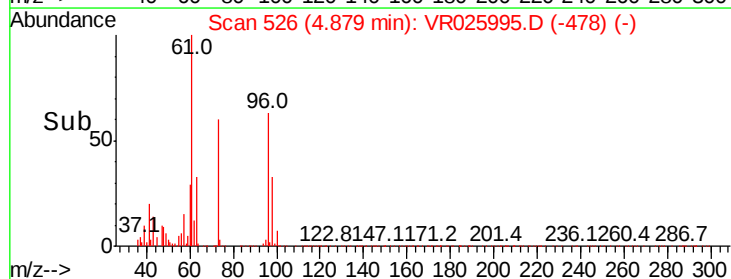
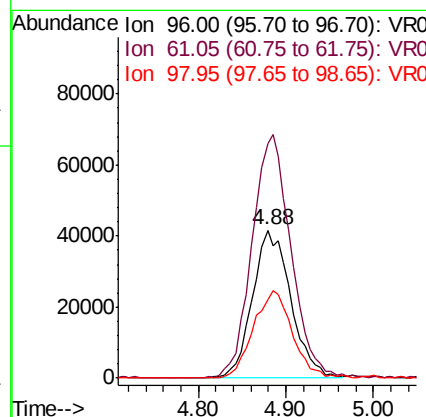
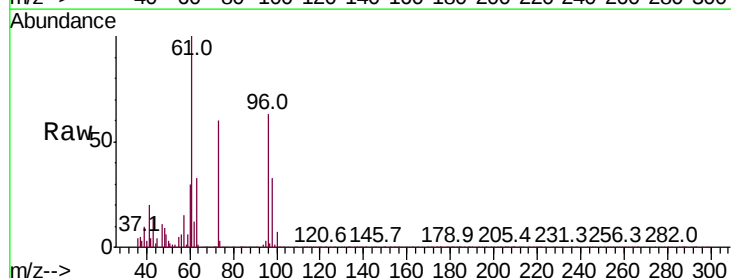
Delta R.T. -0.01 min

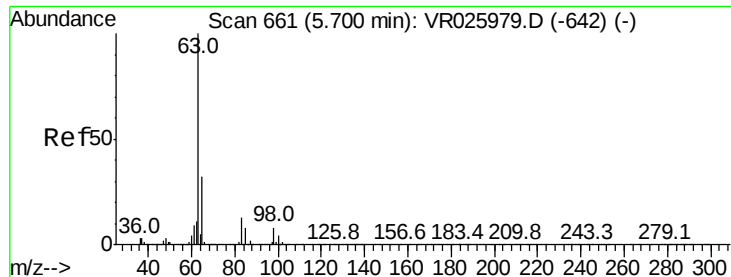
Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Tgt Ion: 96 Resp: 126407

Ion	Ratio	Lower	Upper
96	100		
61	159.0	127.4	236.6
98	53.1	43.8	81.3





#19

1,1-Dichloroethane

Concen: 4.830 ug/L

RT: 5.69 min Scan# 660

Delta R.T. -0.01 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Instrument :

MSVOA_R

ClientSampleId :

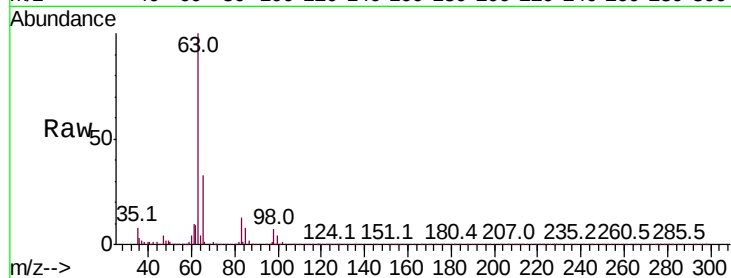
Tot Ion: 63 Resp: 255249

Ion Ratio Lower Upper

63 100

65 32.9 21.1 39.1

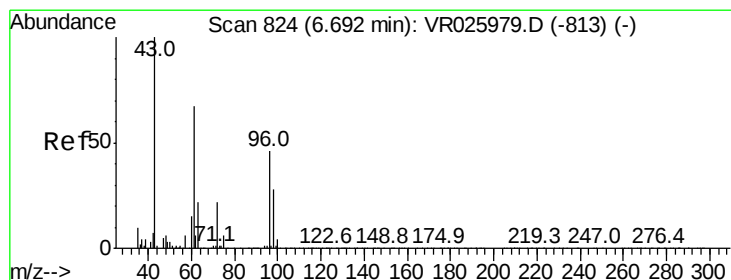
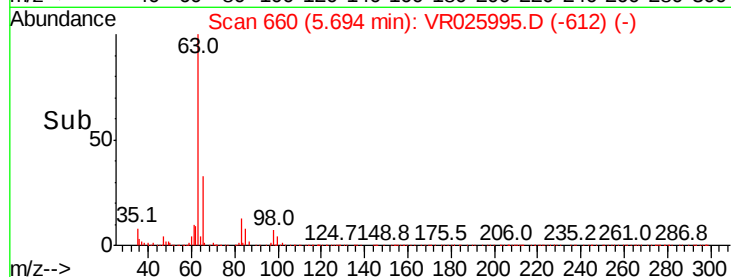
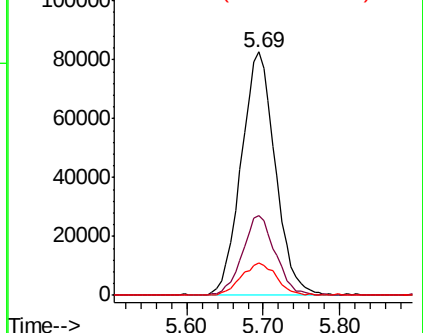
83 13.5 8.9 16.5



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: 53.683 ug/L

RT: 6.69 min Scan# 824

Delta R.T. -0.00 min

Lab File: VR025995.D

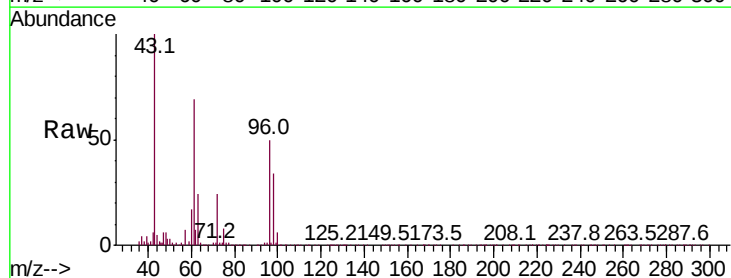
Acq: 8 Oct 2018 20:36

Tgt Ion: 43 Resp: 201142

Ion Ratio Lower Upper

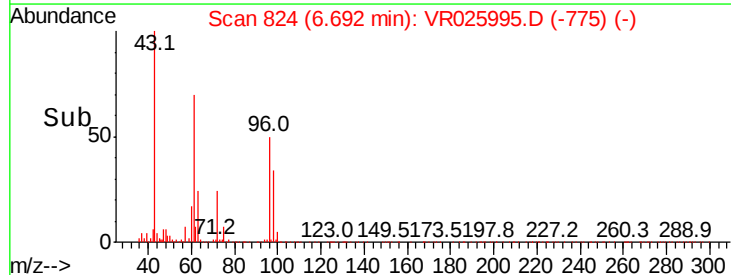
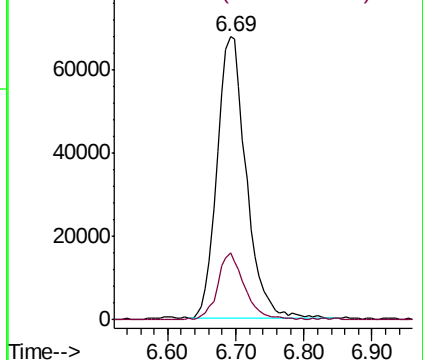
43 100

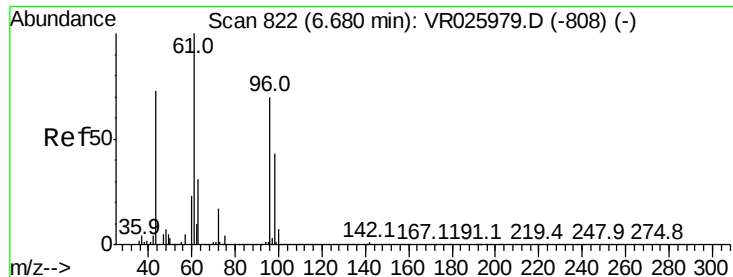
72 22.2 11.9 35.7



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



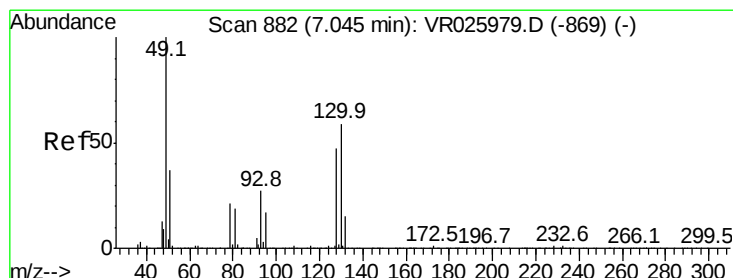
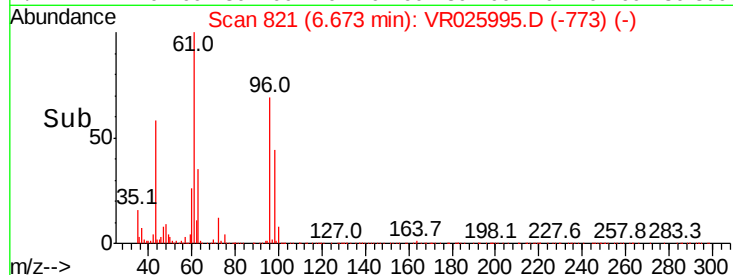
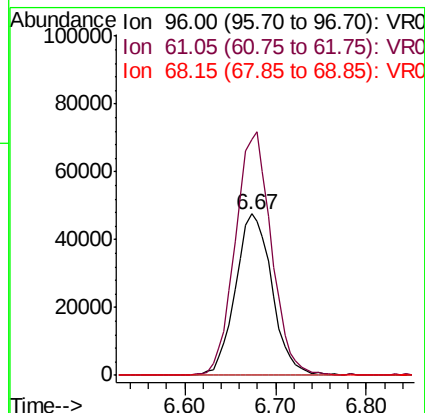
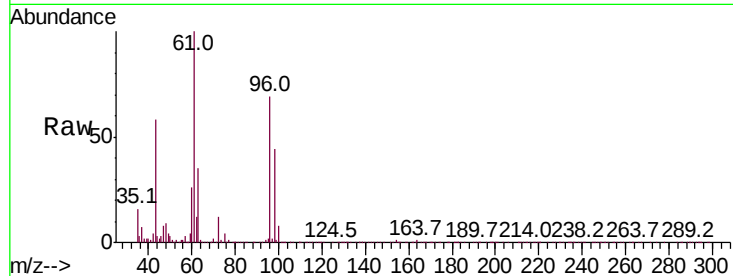


#22

cis-1,2-Dichloroethene
 Concen: 4.960 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VR025995.D
 Acq: 8 Oct 2018 20:36

Instrument :
 MSVOA_R
 ClientSampleId :

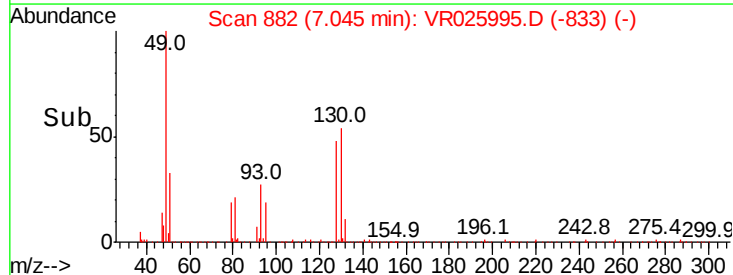
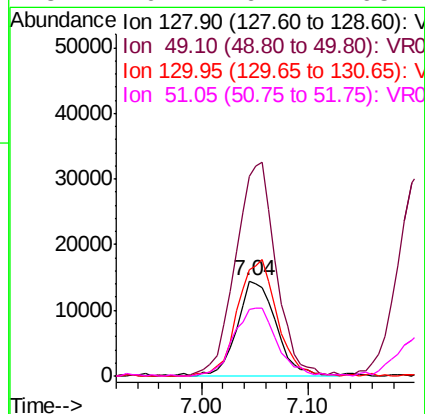
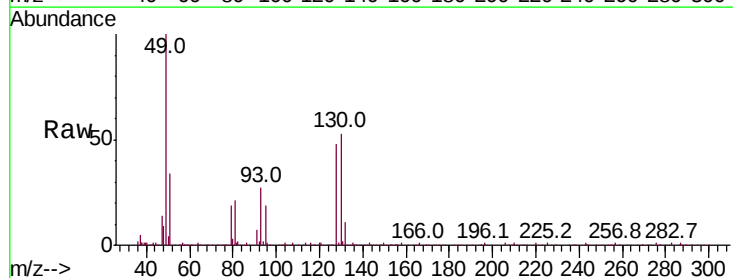
Tot Ion: 96 Resp: 133219
 Ion Ratio Lower Upper
 96 100
 61 145.7 108.7 201.9
 68 0.2 0.1 0.1#

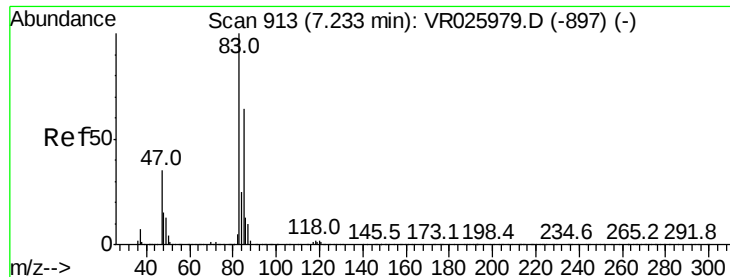


#23

Bromochloromethane
 Concen: 5.026 ug/L
 RT: 7.04 min Scan# 882
 Delta R.T. -0.00 min
 Lab File: VR025995.D
 Acq: 8 Oct 2018 20:36

Tgt Ion: 128 Resp: 36622
 Ion Ratio Lower Upper
 128 100
 49 209.8 175.0 325.0
 130 111.8 85.6 159.0
 51 70.4 62.2 93.2





#25

Chloroform

Concen: 5.027 ug/L

RT: 7.23 min Scan# 912

Delta R.T. -0.01 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

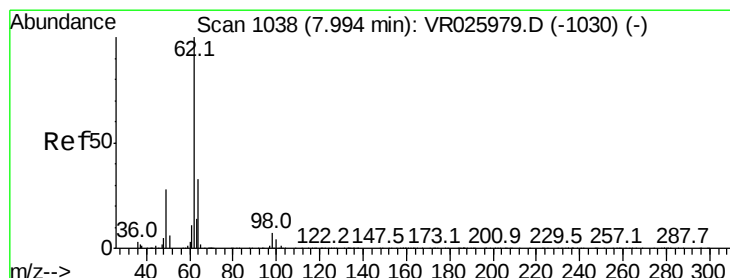
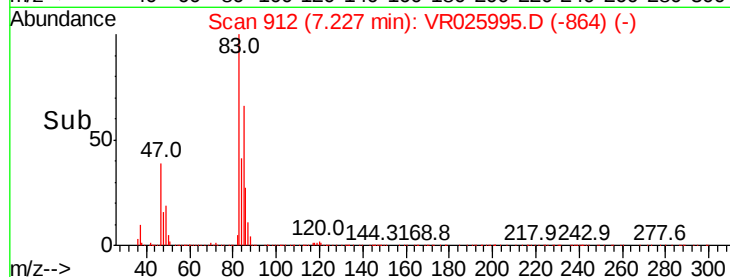
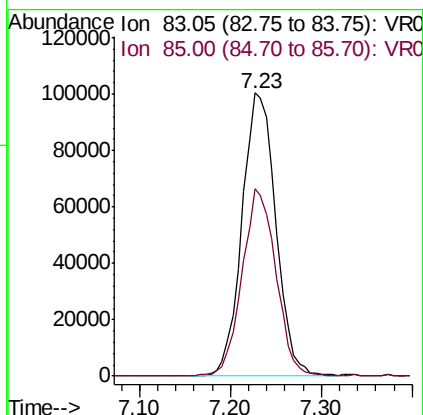
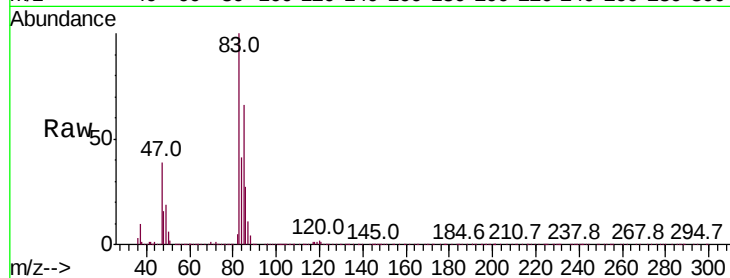
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 83 Resp: 258682

Ion Ratio Lower Upper

83 100

85 66.3 43.8 81.4



#27

1,2-Dichloroethane

Concen: 5.088 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR025995.D

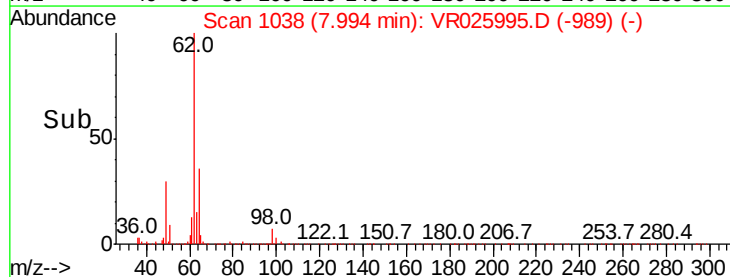
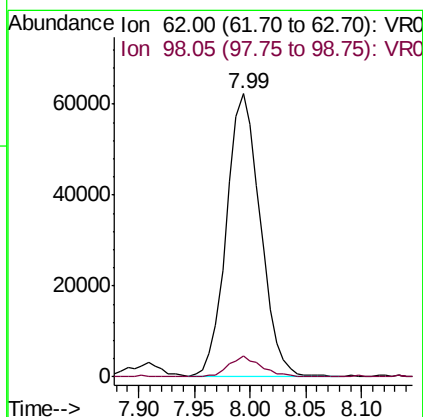
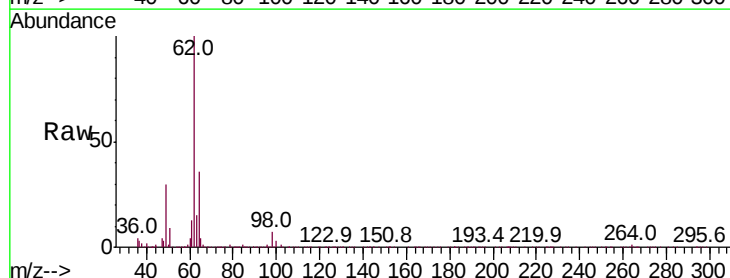
Acq: 8 Oct 2018 20:36

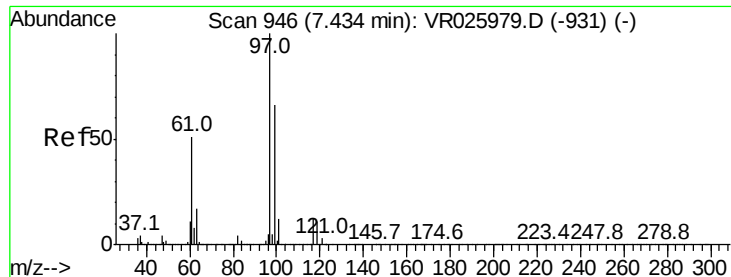
Tgt Ion: 62 Resp: 130650

Ion Ratio Lower Upper

62 100

98 7.5 5.2 7.8





#29

1,1,1-Trichloroethane

Concen: 4.783 ug/L

RT: 7.43 min Scan# 946

Delta R.T. -0.00 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Instrument :
MSVOA_R
ClientSampled :

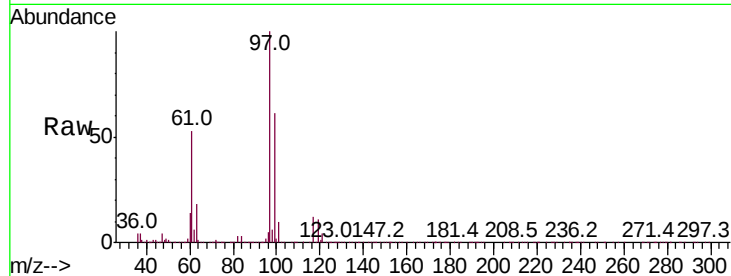
Tot Ion: 97 Resp: 200353

Ion Ratio Lower Upper

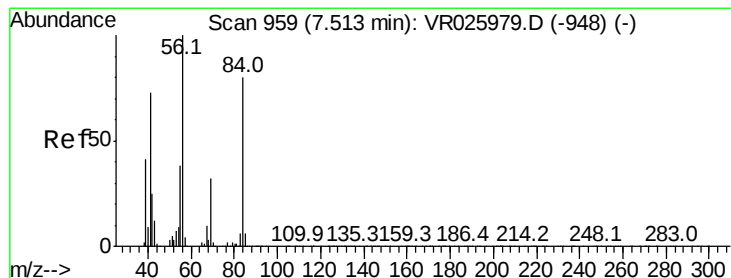
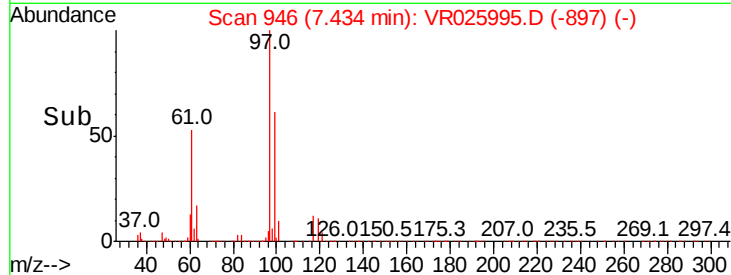
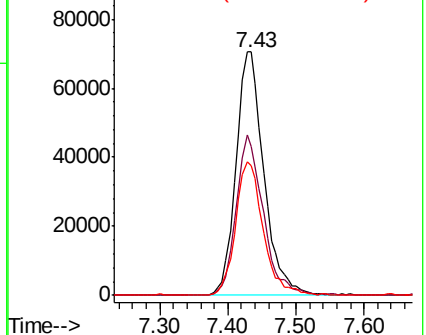
97 100

99 63.9 51.0 76.6

61 54.7 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: 3.896 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.01 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

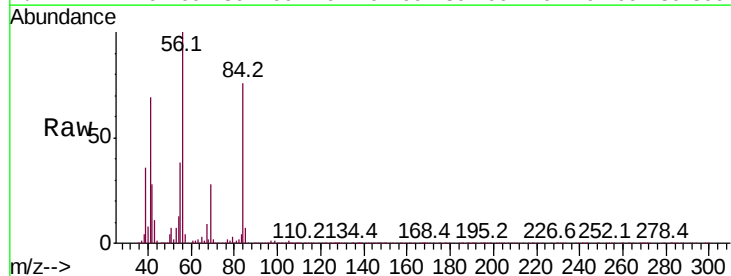
Tgt Ion: 56 Resp: 203915

Ion Ratio Lower Upper

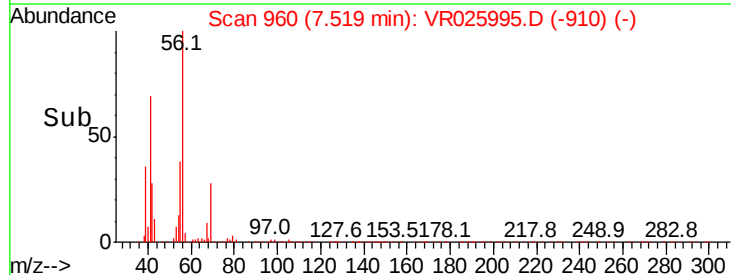
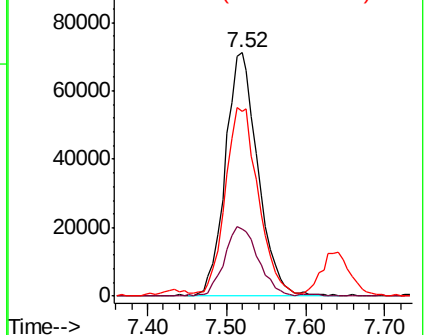
56 100

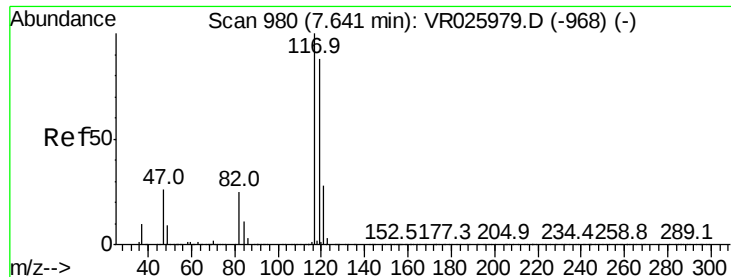
69 29.7 24.8 37.2

84 79.1 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: 4.952 ug/L

RT: 7.64 min Scan# 980

Delta R.T. -0.00 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Instrument :

MSVOA_R

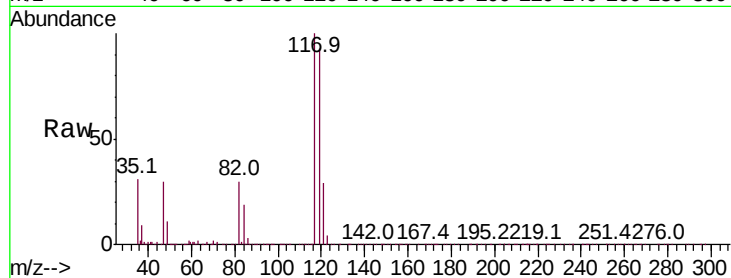
ClientSampleId :

Tot Ion:117 Resp: 179627

Ion Ratio Lower Upper

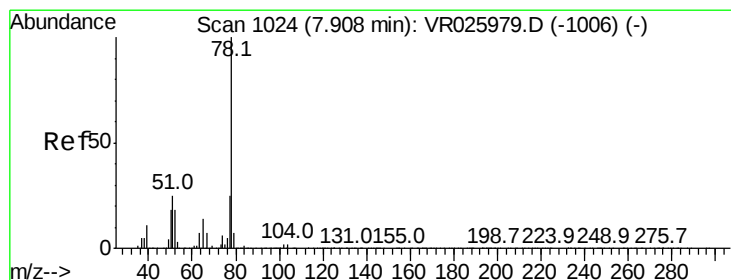
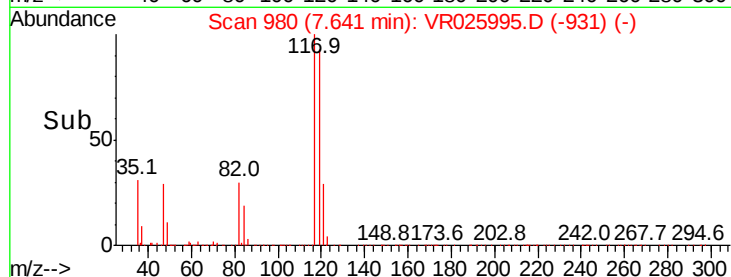
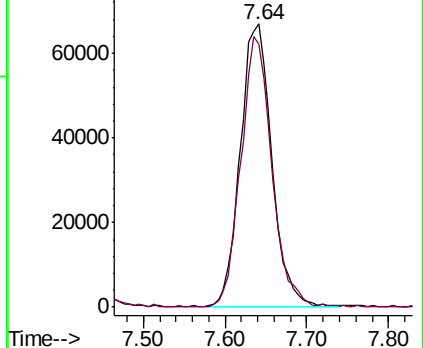
117 100

119 93.3 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: 4.685 ug/L

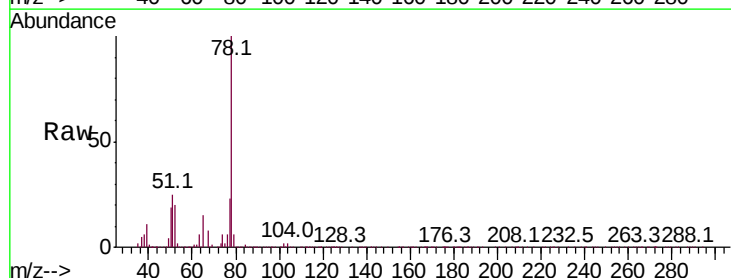
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

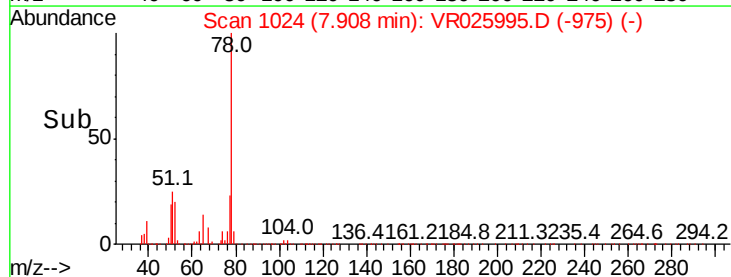
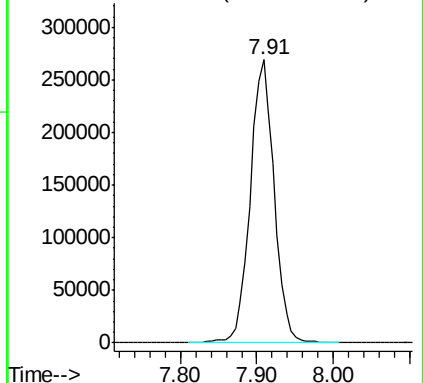
Lab File: VR025995.D

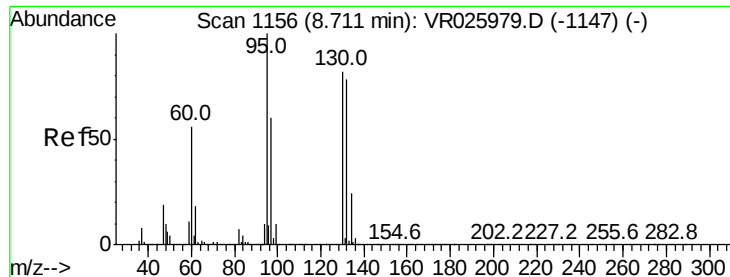
Acq: 8 Oct 2018 20:36

Tgt Ion: 78 Resp: 585277



Abundance Ion 78.10 (77.80 to 78.80): VR0

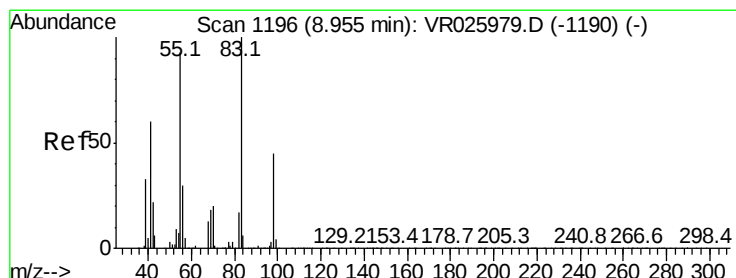
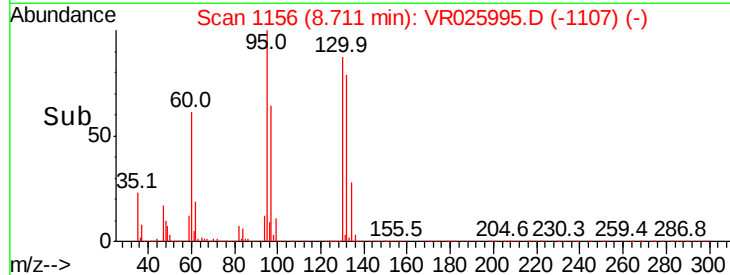
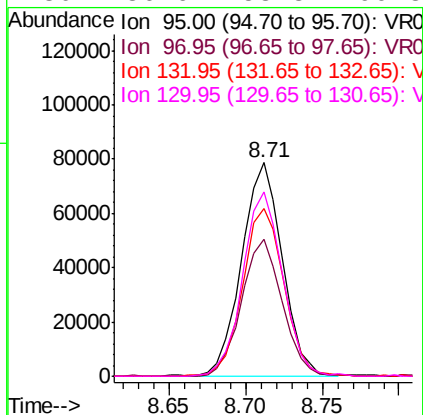
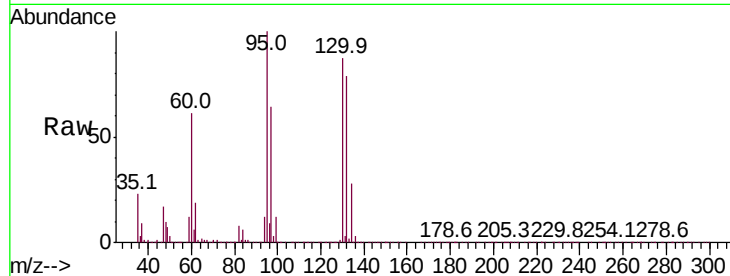




#34
 Trichloroethene
 Concen: 4.401 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VR025995.D
 Acq: 8 Oct 2018 20:36

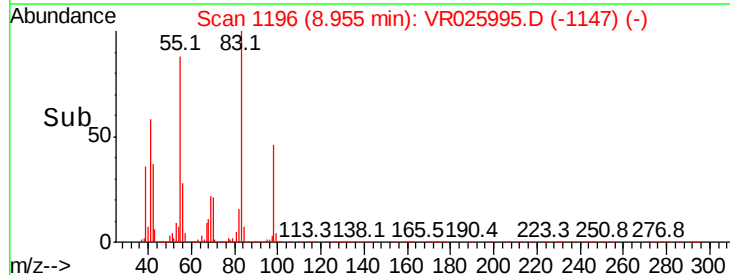
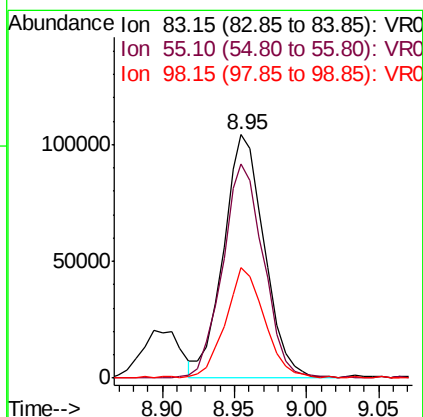
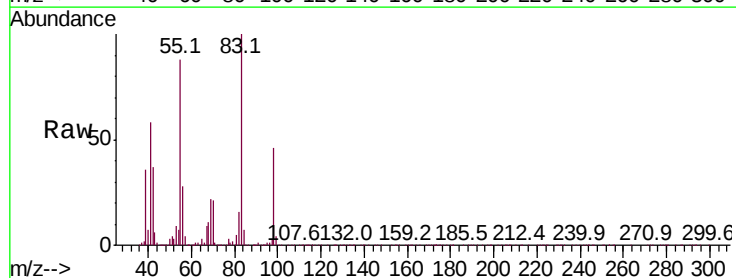
Instrument :
 MSVOA_R
 ClientSampleId :

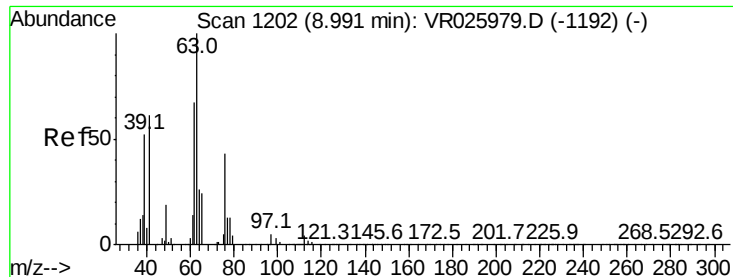
Tot Ion:	95	Resp:	144895
Ion	Ratio	Lower	Upper
95	100		
97	64.3	43.9	81.5
132	78.8	53.3	98.9
130	86.6	53.8	99.8



#35
 Methylcyclohexane
 Concen: 4.119 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR025995.D
 Acq: 8 Oct 2018 20:36

Tgt Ion:	83	Resp:	203858
Ion	Ratio	Lower	Upper
83	100		
55	89.2	71.8	107.6
98	44.3	34.2	51.4





#37

1,2-Dichloropropane

Concen: 4.918 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.01 min

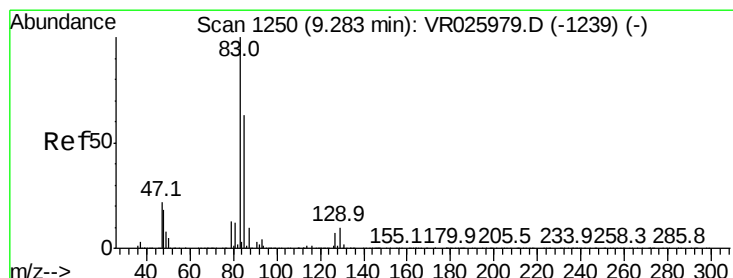
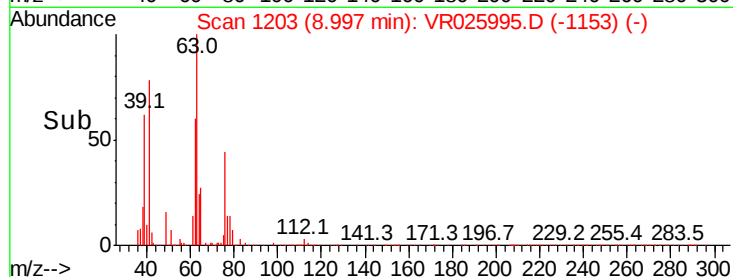
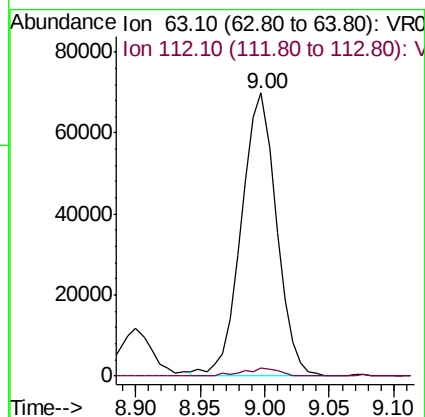
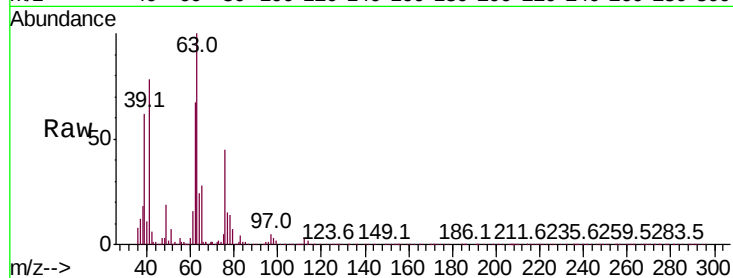
Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 131825

Ion	Ratio	Lower	Upper
63	100		
112	3.2	2.5	3.7



#38

Bromodichloromethane

Concen: 4.993 ug/L

RT: 9.28 min Scan# 1250

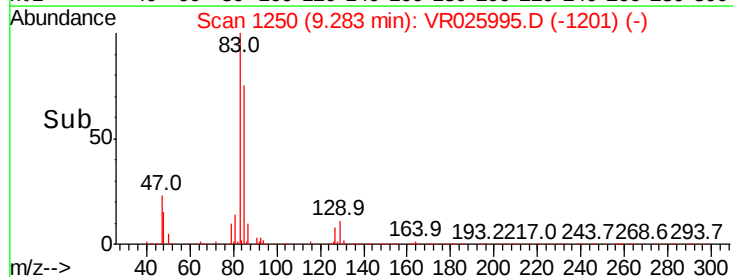
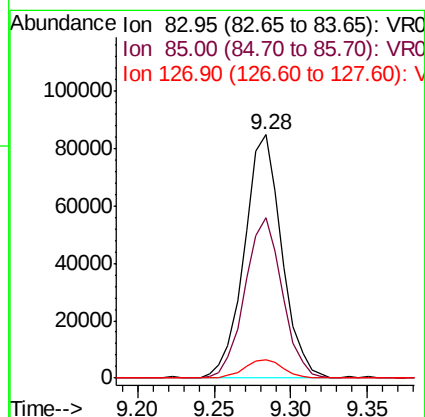
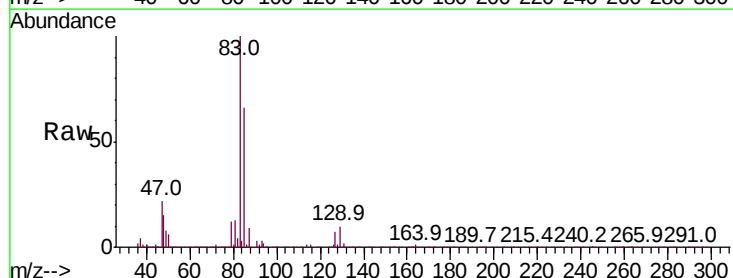
Delta R.T. -0.00 min

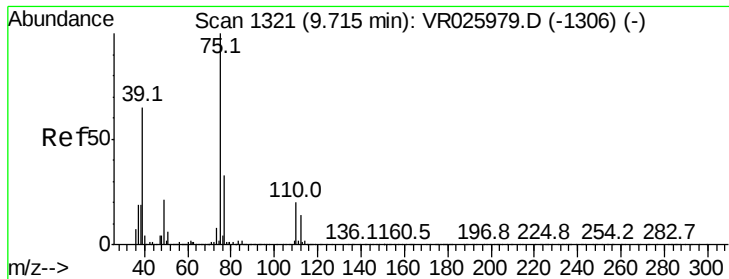
Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Tgt Ion: 83 Resp: 144381

Ion	Ratio	Lower	Upper
83	100		
85	65.8	42.8	79.4
127	7.4	5.6	8.4

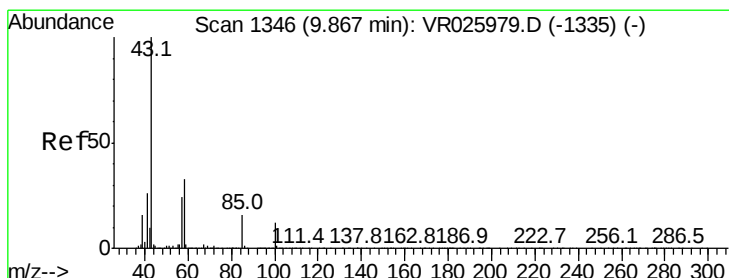
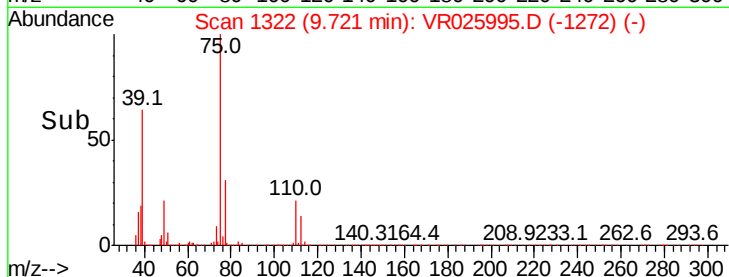
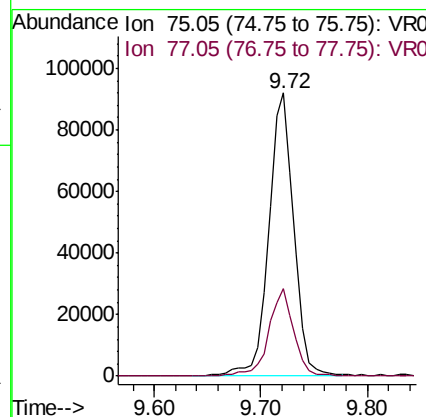
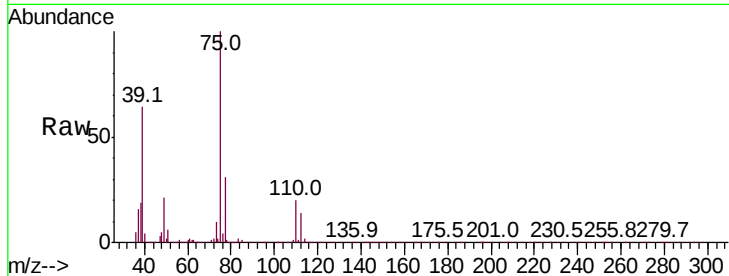




#39
 cis-1,3-Dichloropropene
 Concen: 4.991 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VR025995.D
 Acq: 8 Oct 2018 20:36

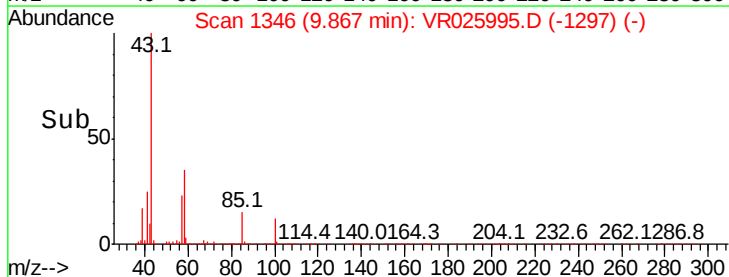
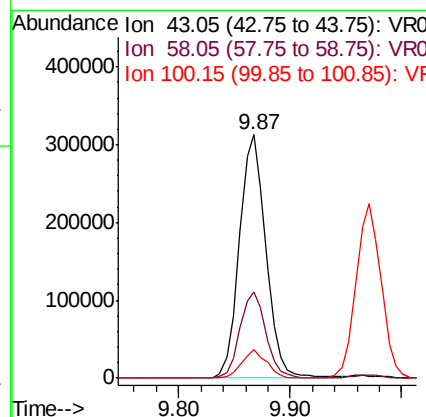
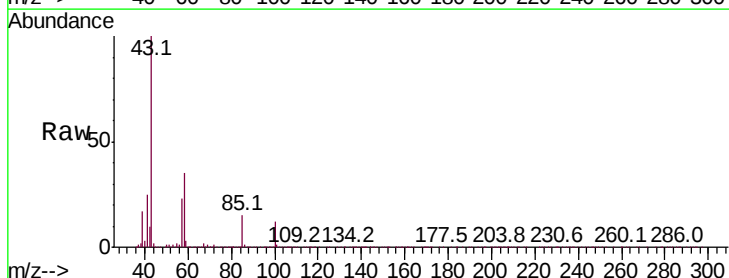
Instrument :
 MSVOA_R
 ClientSampled :

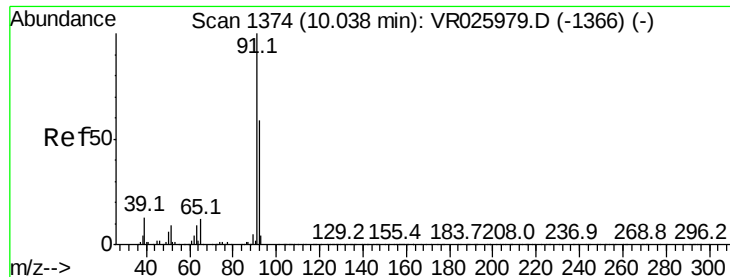
Tot Ion: 75 Resp: 149979
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 54.632 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VR025995.D
 Acq: 8 Oct 2018 20:36

Tgt Ion: 43 Resp: 514881
 Ion Ratio Lower Upper
 43 100
 58 34.3 28.6 43.0
 100 11.0 9.0 13.4





#42

Toluene

Concen: 4.739 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Instrument :

MSVOA_R

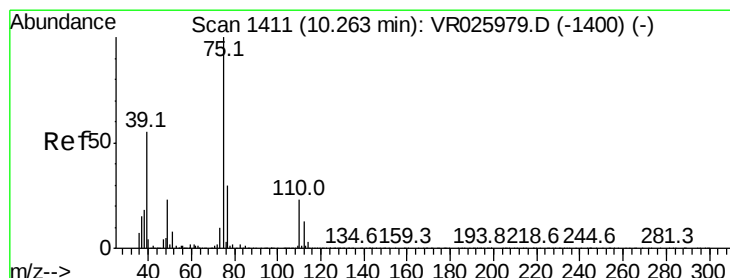
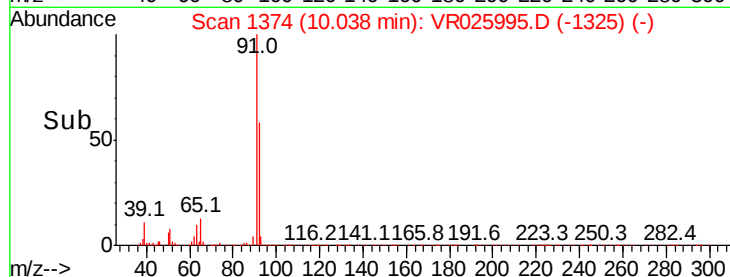
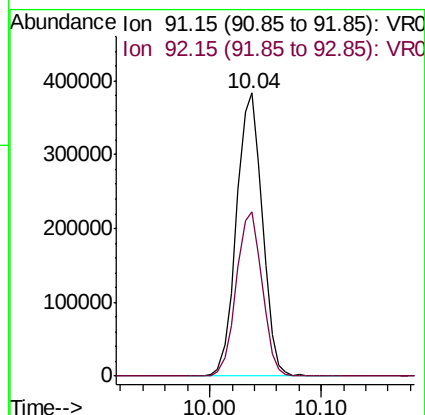
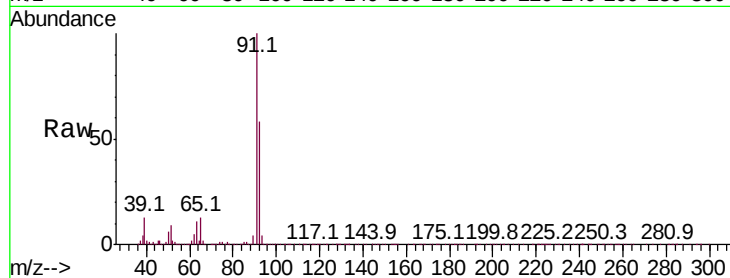
ClientSampleId :

Tot Ion: 91 Resp: 615237

Ion Ratio Lower Upper

91 100

92 58.2 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 5.509 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025995.D

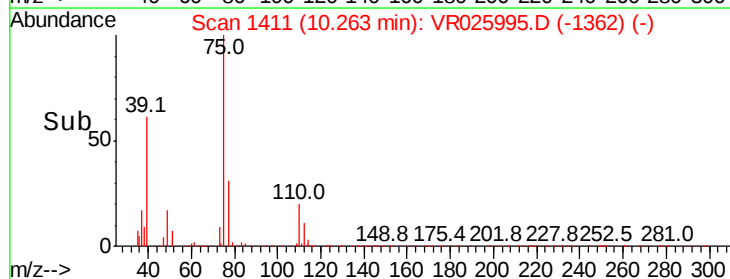
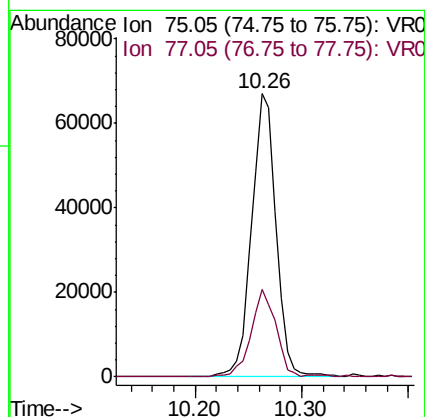
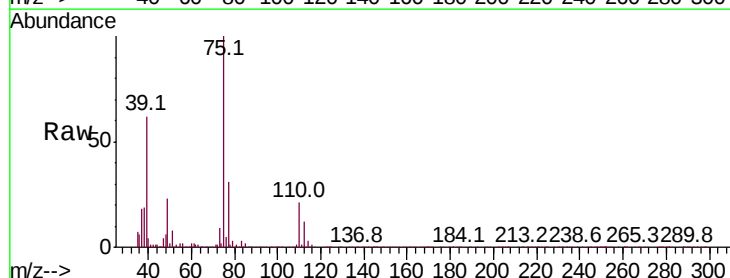
Acq: 8 Oct 2018 20:36

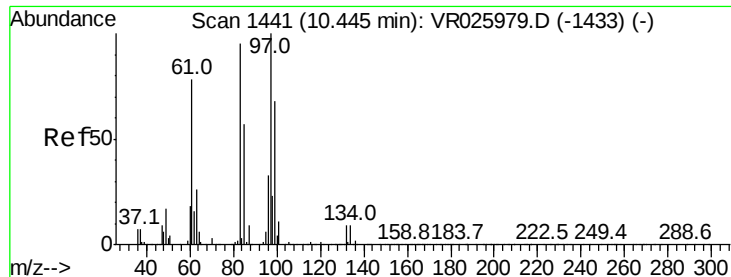
Tgt Ion: 75 Resp: 108087

Ion Ratio Lower Upper

75 100

77 31.0 23.0 42.8

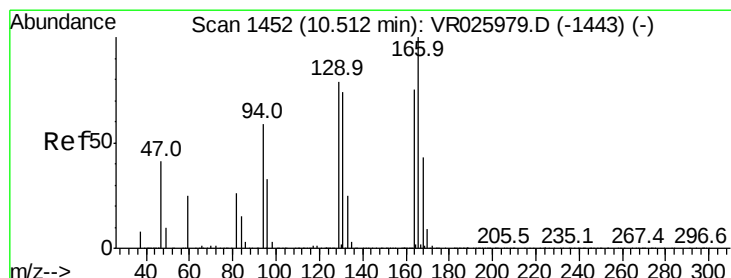
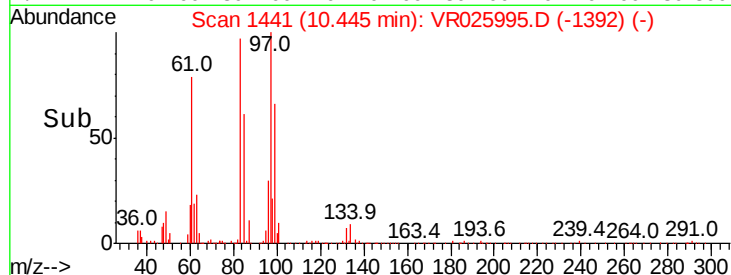
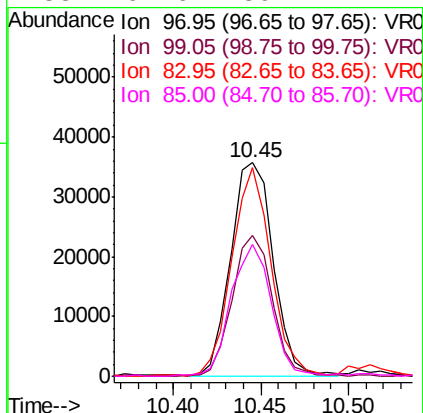
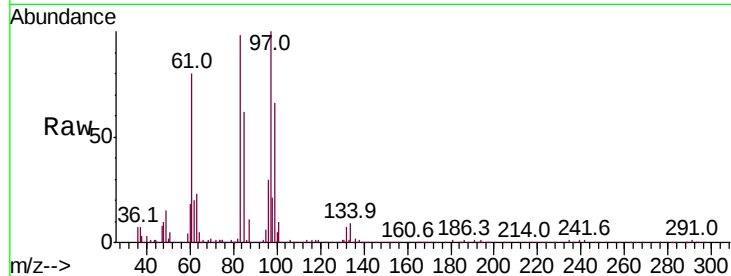




#45
1,1,2-Trichloroethane
Concen: 4.994 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. -0.00 min
Lab File: VR025995.D
Acq: 8 Oct 2018 20:36

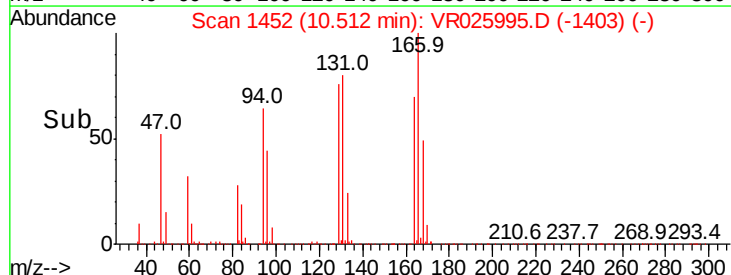
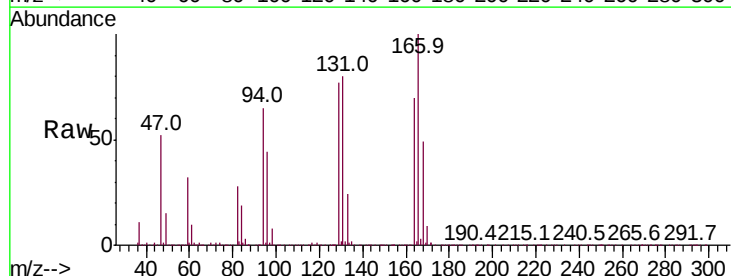
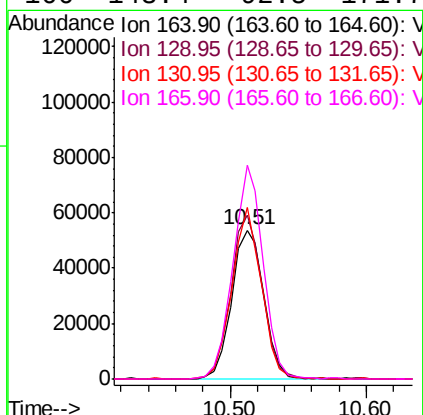
Instrument :
MSVOA_R
ClientSampled :

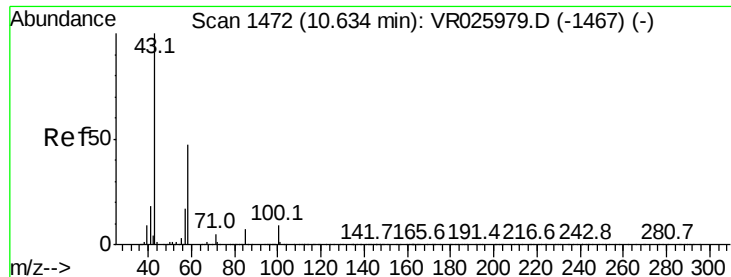
Tot Ion: 97 Resp: 60551
Ion Ratio Lower Upper
97 100
99 65.9 39.6 73.6
83 97.9 62.2 115.6
85 61.6 39.1 72.7



#47
Tetrachloroethene
Concen: 4.322 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VR025995.D
Acq: 8 Oct 2018 20:36

Tgt Ion: 164 Resp: 87675
Ion Ratio Lower Upper
164 100
129 109.9 80.8 150.2
131 115.1 74.5 138.3
166 143.4 92.5 171.7

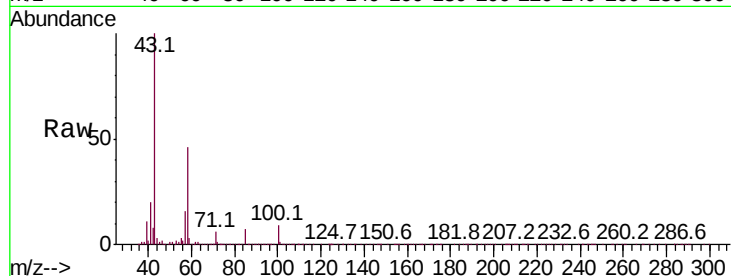




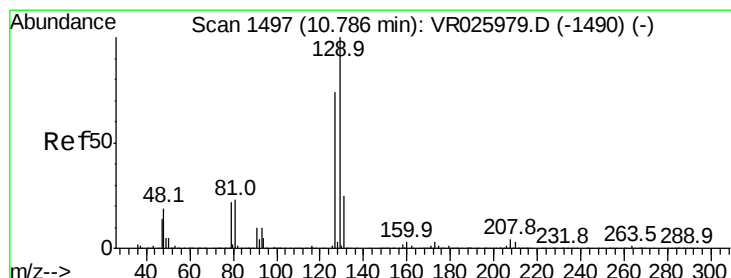
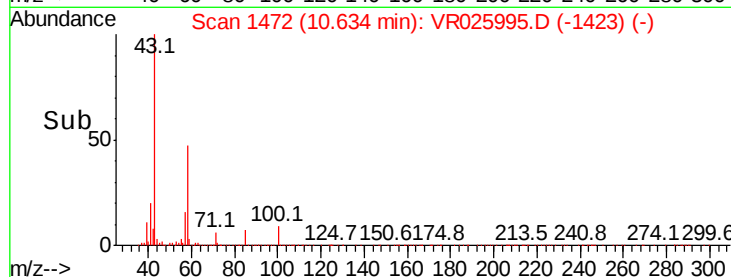
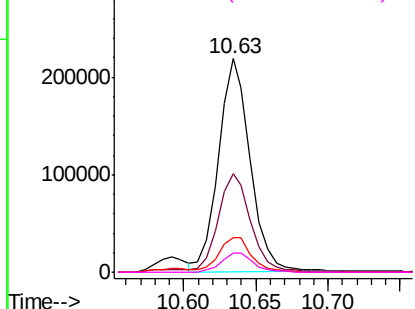
#48
2-Hexanone
Concen: 54.507 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025995.D
Acq: 8 Oct 2018 20:36

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 336339
Ion Ratio Lower Upper
43 100
58 49.7 39.5 59.3
57 16.8 14.6 21.8
100 9.4 6.7 10.1

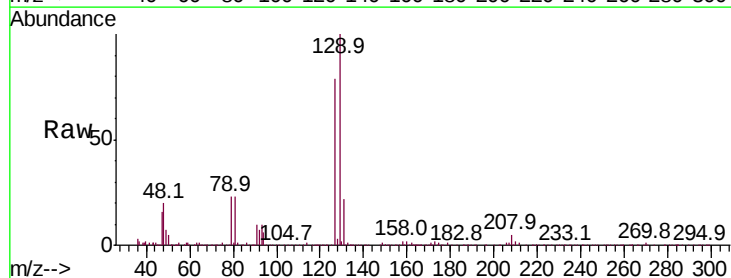


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

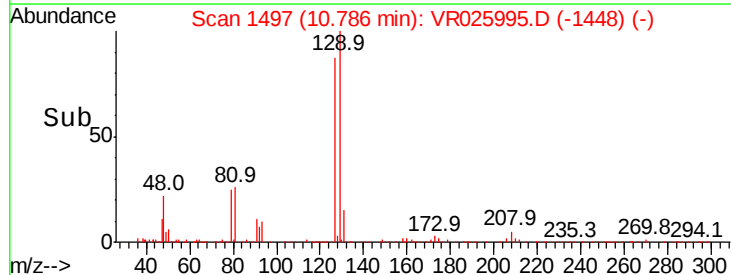
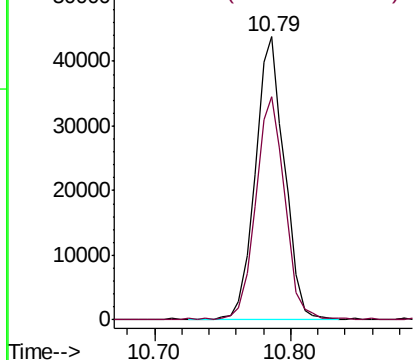


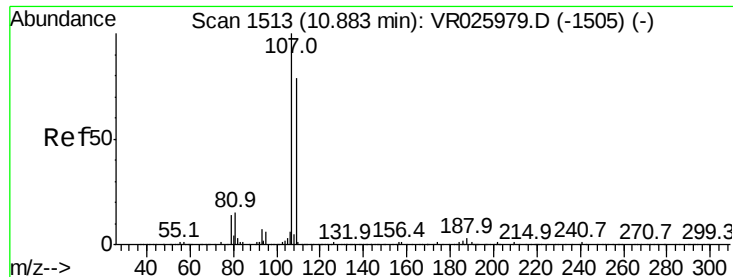
#49
Dibromochloromethane
Concen: 5.300 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025995.D
Acq: 8 Oct 2018 20:36

Tgt Ion: 129 Resp: 65204
Ion Ratio Lower Upper
129 100
127 79.1 54.1 100.5



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

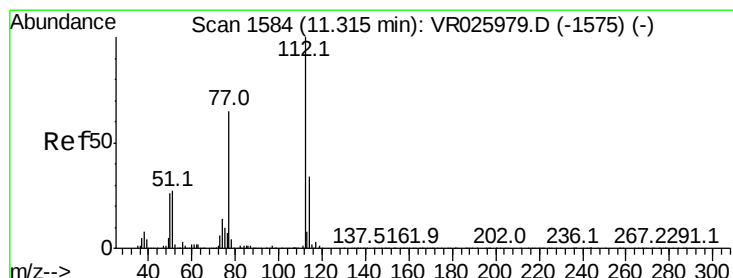
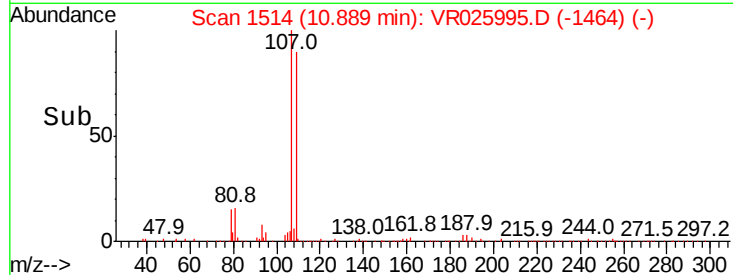
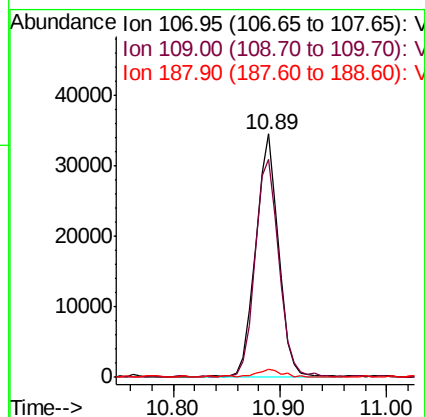
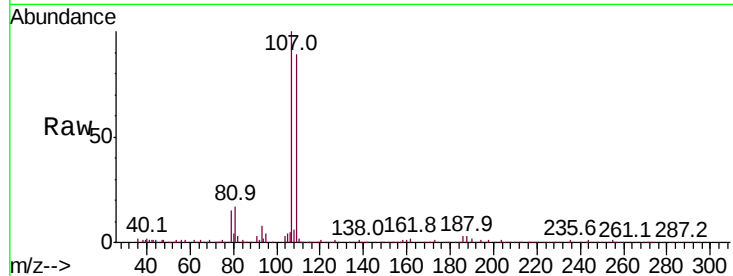




#50
1,2-Dibromoethane
Concen: 5.467 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VR025995.D
Acq: 8 Oct 2018 20:36

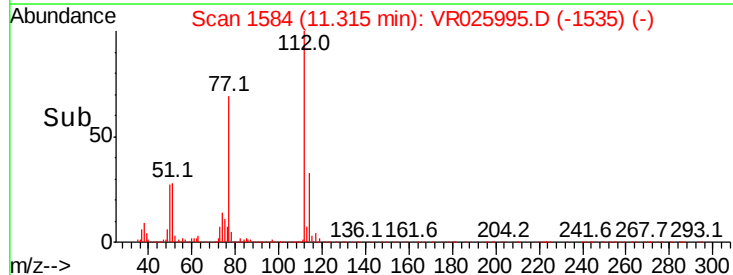
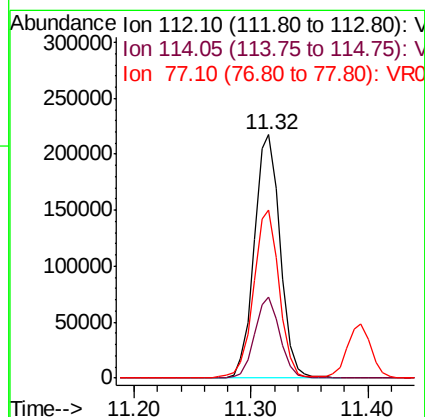
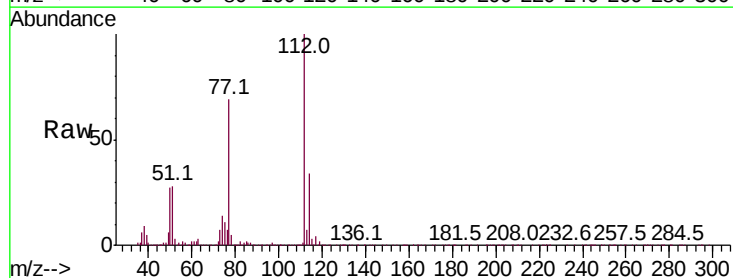
Instrument :
MSVOA_R
ClientSampleId :

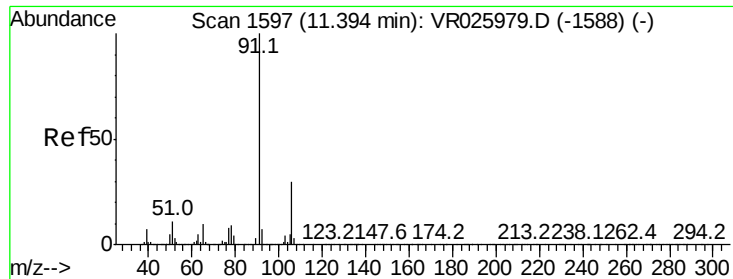
Tot Ion:107 Resp: 52294
Ion Ratio Lower Upper
107 100
109 89.4 63.5 117.9
188 3.2 1.7 2.5#



#51
Chlorobenzene
Concen: 4.880 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025995.D
Acq: 8 Oct 2018 20:36

Tgt Ion:112 Resp: 336085
Ion Ratio Lower Upper
112 100
114 33.5 22.7 42.3
77 69.2 58.5 87.7

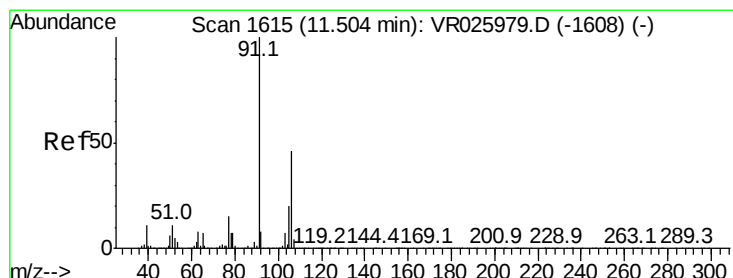
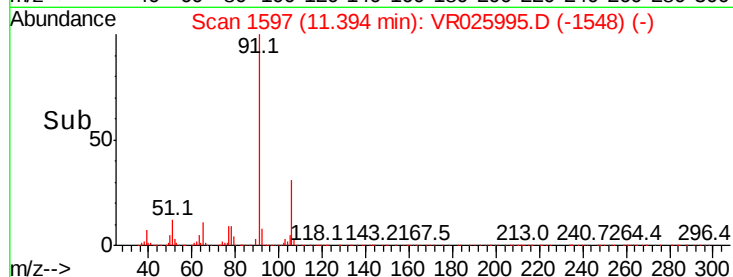
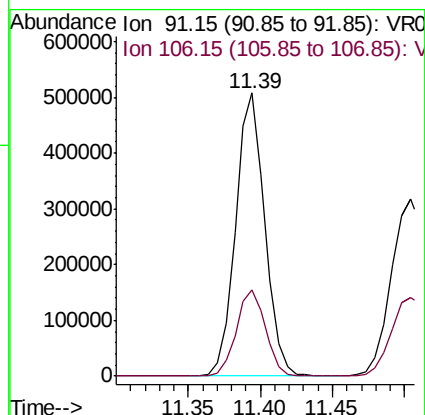
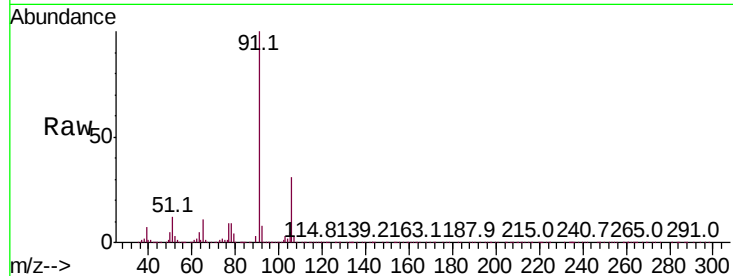




#52
Ethylbenzene
Concen: 4.820 ug/L
RT: 11.39 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VR025995.D
Acq: 8 Oct 2018 20:36

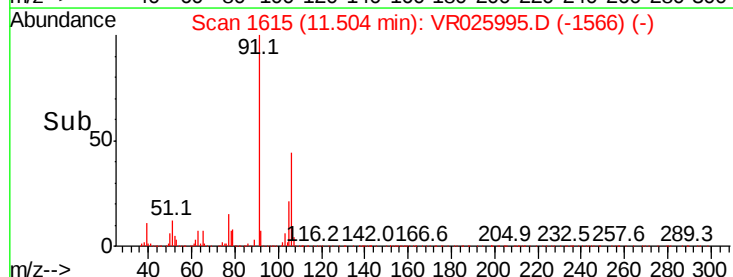
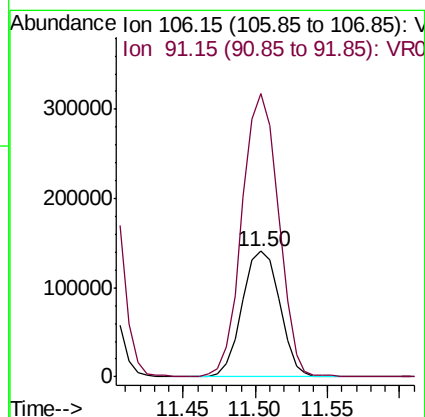
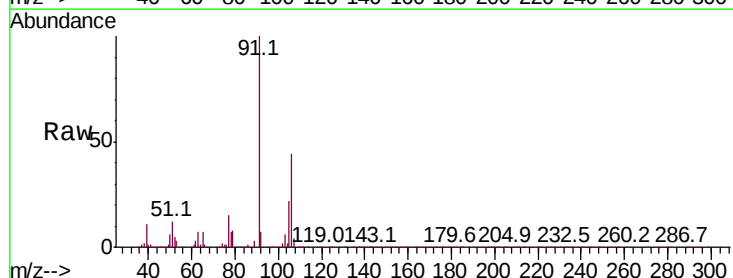
Instrument :
MSVOA_R
ClientSampleId :

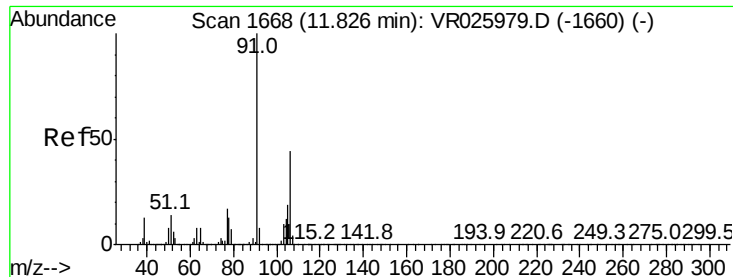
Tot Ion: 91 Resp: 714176
Ion Ratio Lower Upper
91 100
106 30.5 20.6 38.4



#53
m,p-Xylene
Concen: 4.814 ug/L
RT: 11.50 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VR025995.D
Acq: 8 Oct 2018 20:36

Tgt Ion: 106 Resp: 253928
Ion Ratio Lower Upper
106 100
91 224.8 159.7 296.5





#54

o-Xylene

Concen: 5.002 ug/L

RT: 11.83 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Instrument :

MSVOA_R

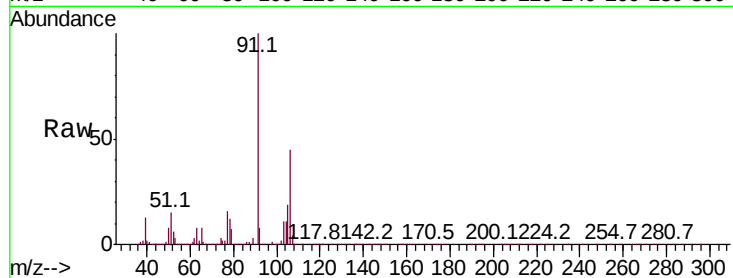
ClientSampled :

Tot Ion:106 Resp: 245619

Ion Ratio Lower Upper

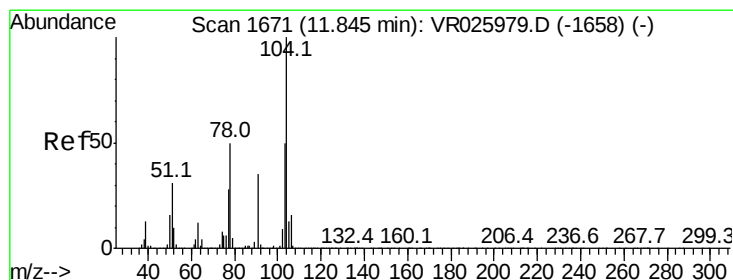
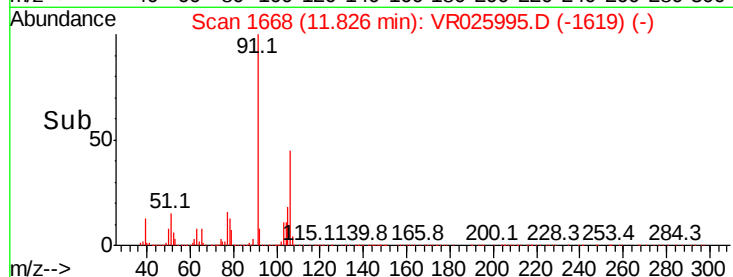
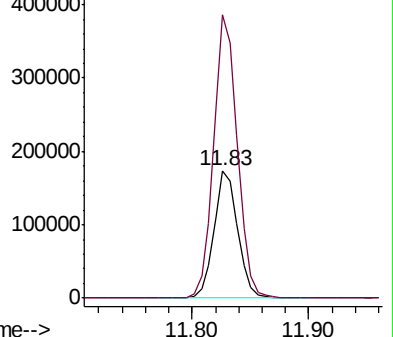
106 100

91 222.3 164.5 305.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 5.063 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VR025995.D

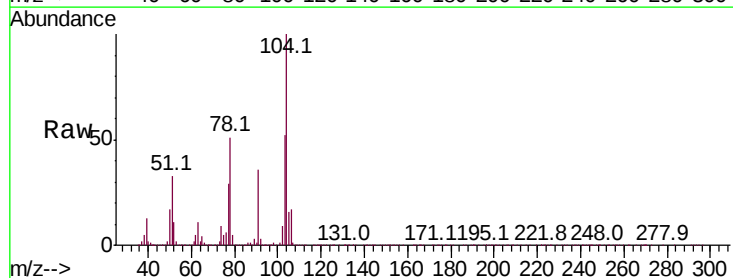
Acq: 8 Oct 2018 20:36

Tgt Ion:104 Resp: 386915

Ion Ratio Lower Upper

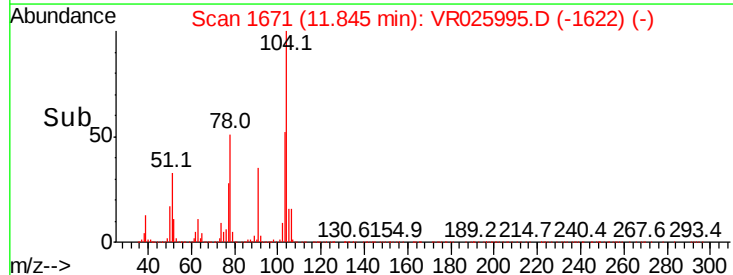
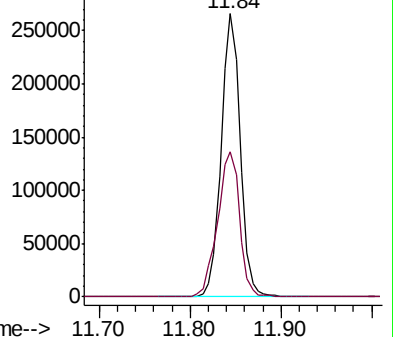
104 100

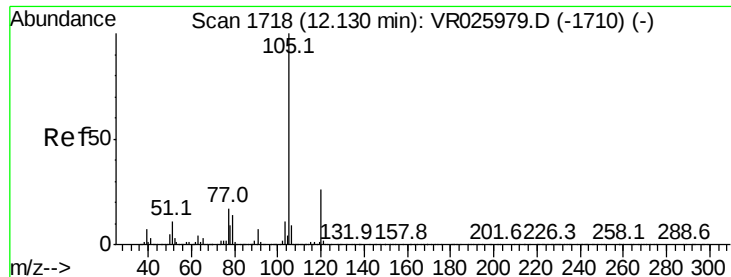
78 51.2 39.3 72.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 4.935 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Instrument :

MSVOA_R

ClientSampleId :

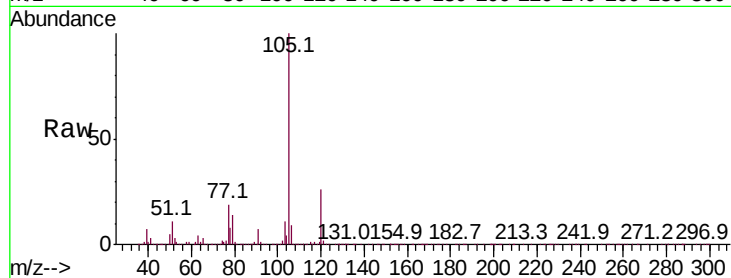
Tot Ion:105 Resp: 668421

Ion Ratio Lower Upper

105 100

120 25.9 19.8 29.8

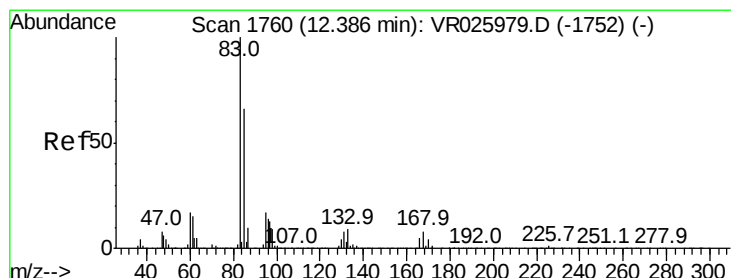
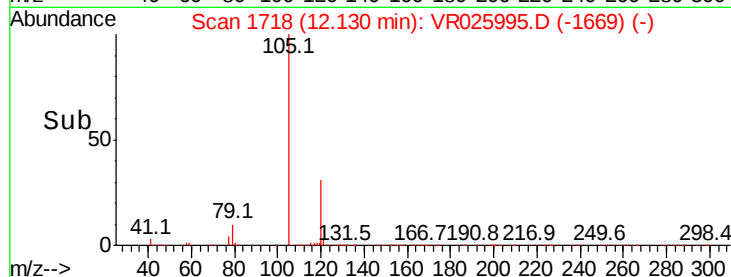
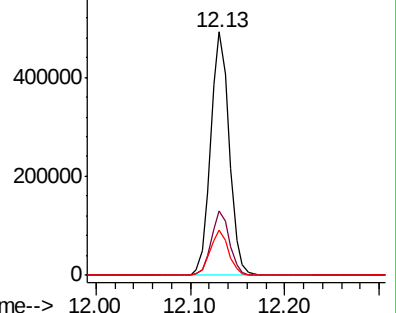
77 18.3 15.5 23.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 5.176 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

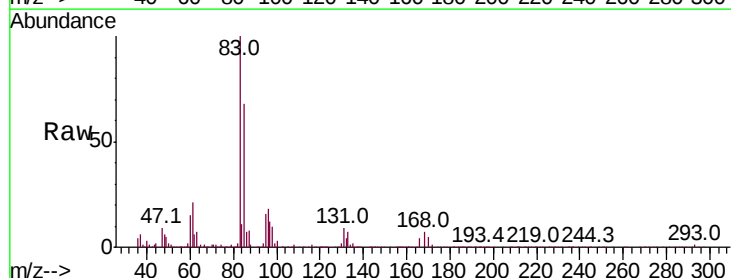
Tgt Ion: 83 Resp: 60464

Ion Ratio Lower Upper

83 100

85 67.9 45.8 85.0

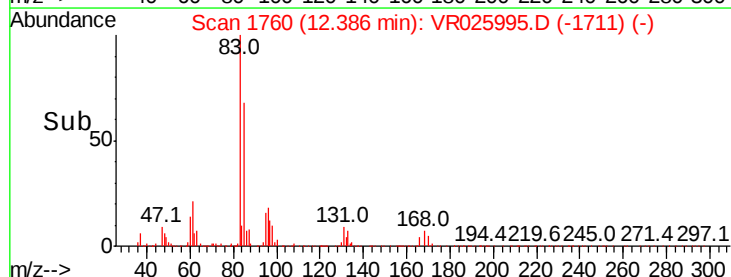
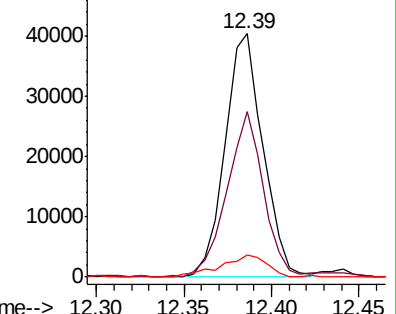
131 8.9 6.6 9.8

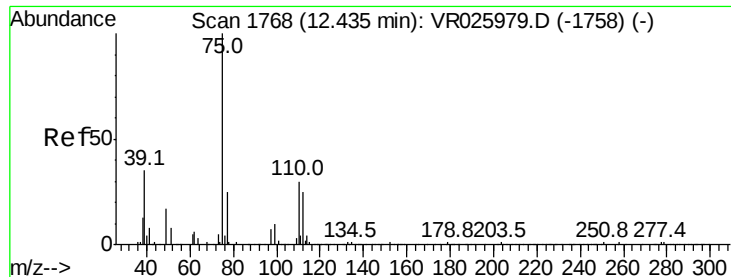


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.332 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Instrument :

MSVOA_R

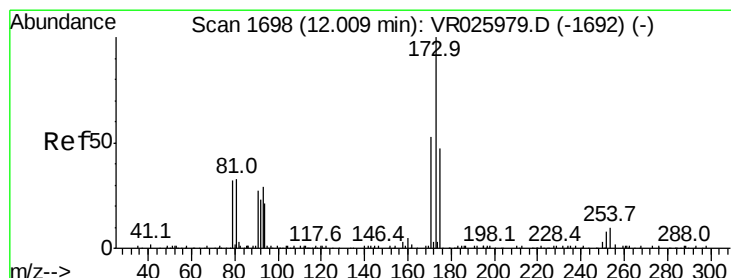
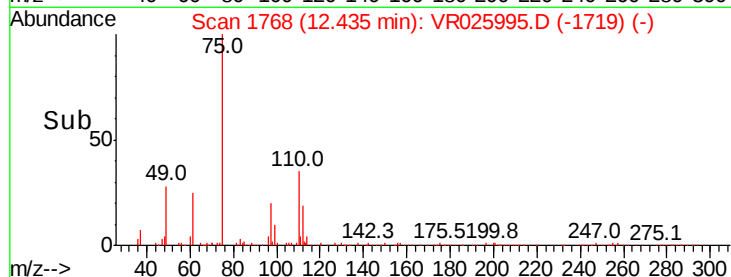
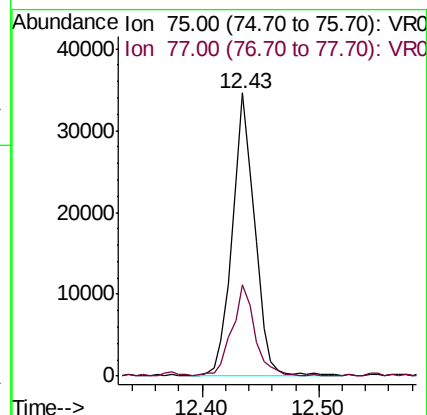
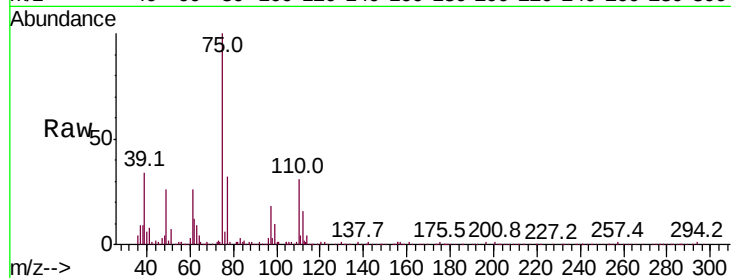
ClientSampled :

Tot Ion: 75 Resp: 46355

Ion Ratio Lower Upper

75 100

77 33.3 25.8 38.6



#61

Bromoform

Concen: 5.156 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

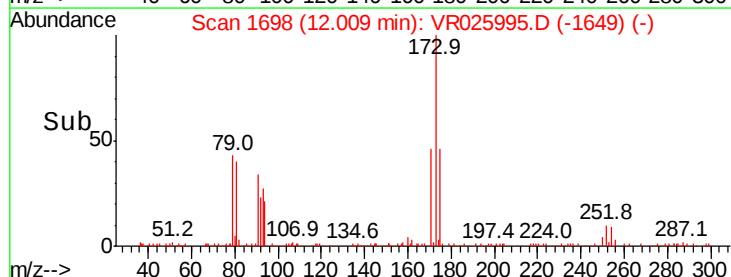
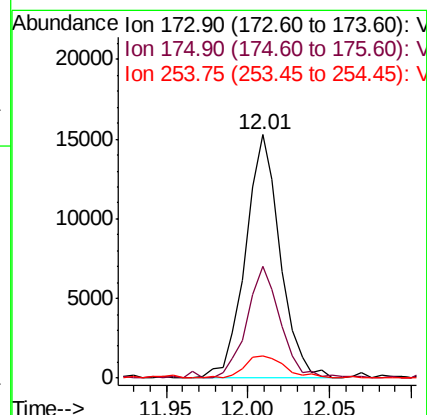
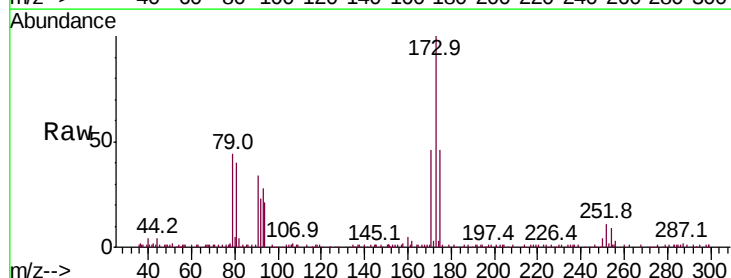
Tgt Ion: 173 Resp: 22603

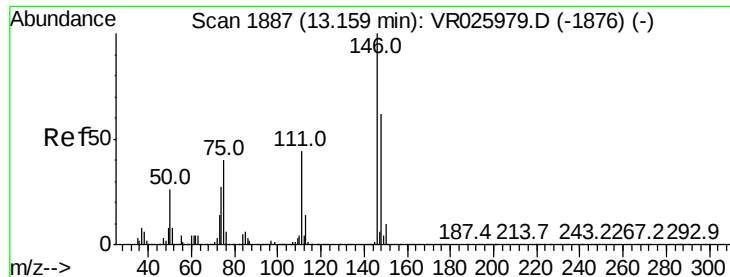
Ion Ratio Lower Upper

173 100

175 44.8 36.9 55.3

254 11.0 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 4.578 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.00 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Instrument :

MSVOA_R

ClientSampleId :

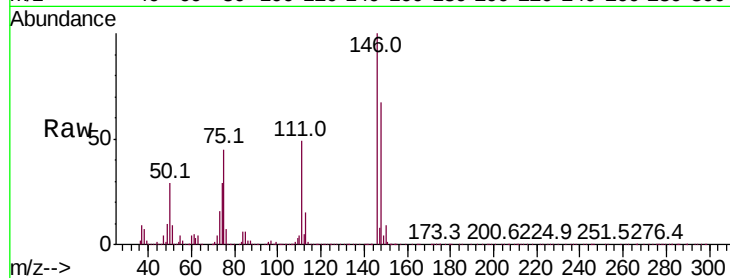
Tot Ion:146 Resp: 194049

Ion Ratio Lower Upper

146 100

111 48.6 36.6 68.0

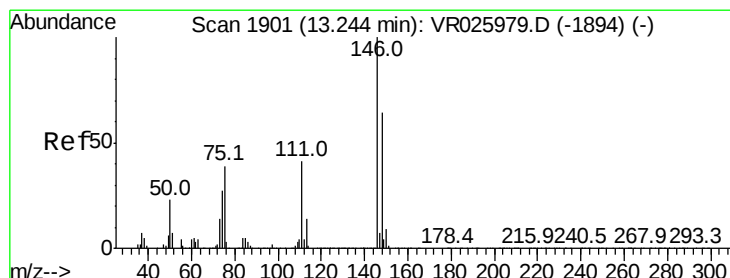
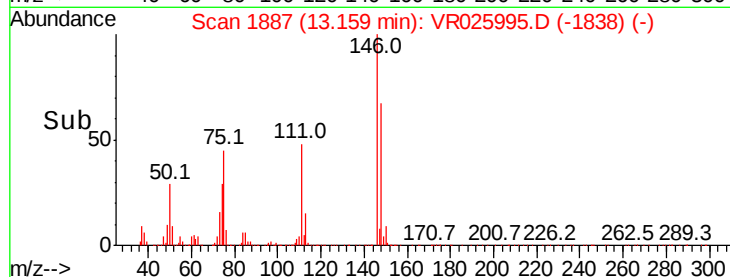
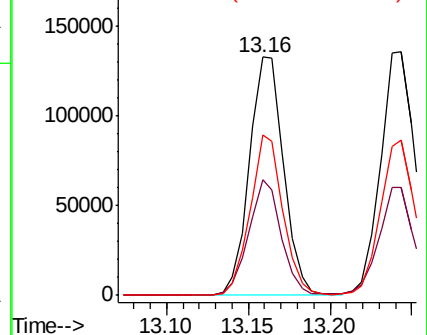
148 67.1 41.9 77.7



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: 4.627 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

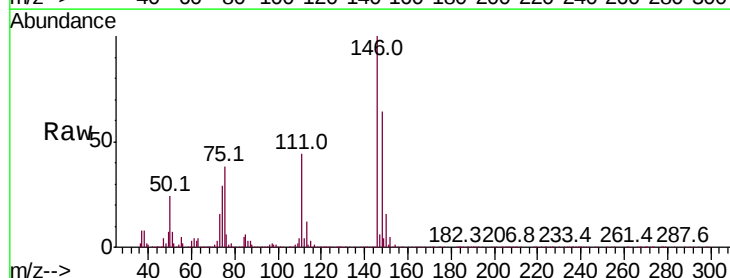
Tgt Ion:146 Resp: 200596

Ion Ratio Lower Upper

146 100

111 44.4 32.9 61.1

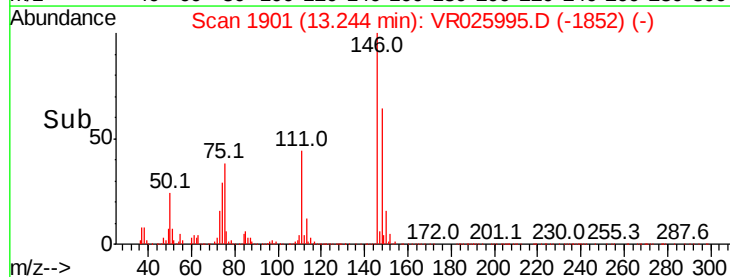
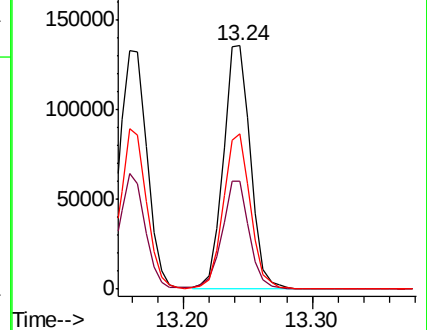
148 64.0 45.5 84.5

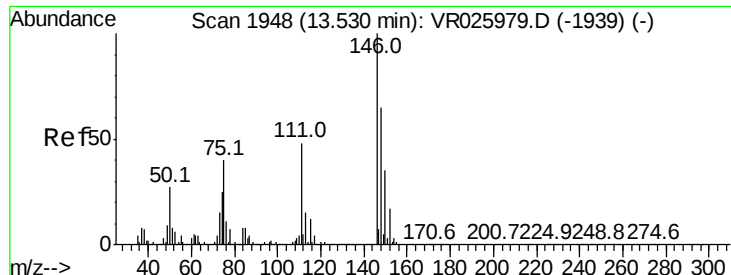


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.842 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VR025995.D

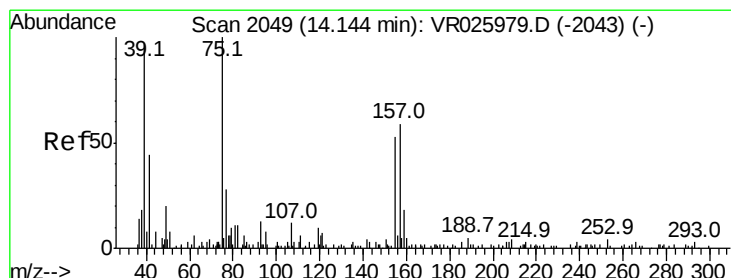
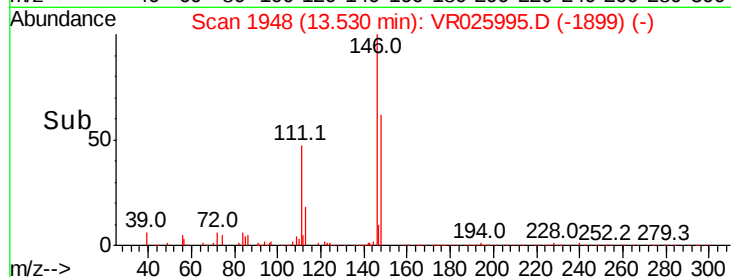
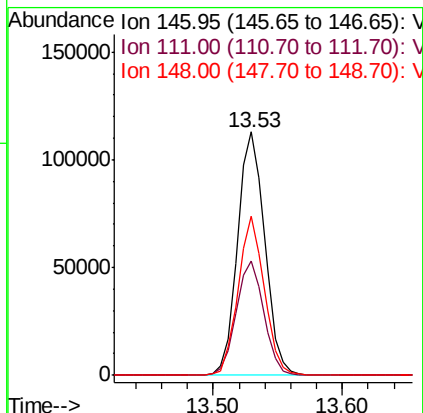
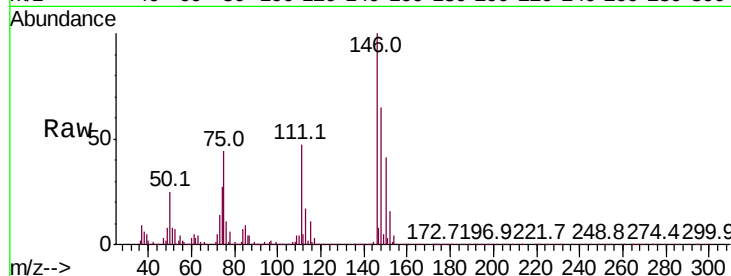
Acq: 8 Oct 2018 20:36

Instrument :

MSVOA_R

ClientSampled :

Tot Ion:	146	Resp:	164897
Ion	Ratio	Lower	Upper
146	100		
111	47.1	39.4	59.0
148	65.3	53.5	80.3



#66

1,2-Dibromo-3-chloropropane

Concen: 4.648 ug/L

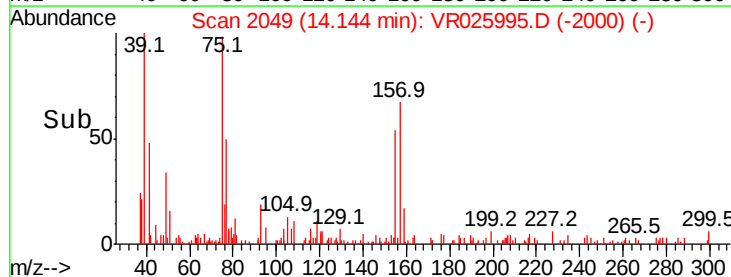
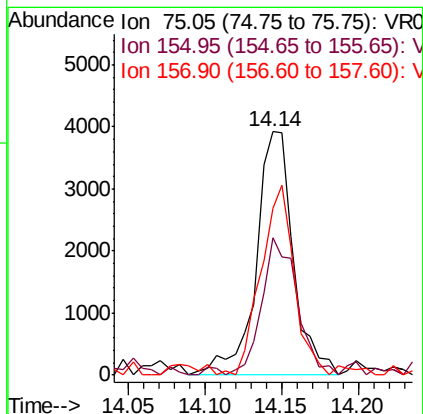
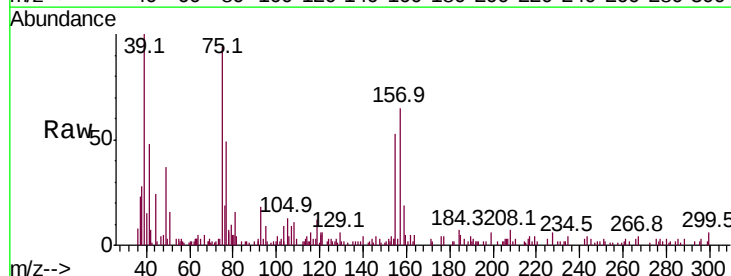
RT: 14.14 min Scan# 2049

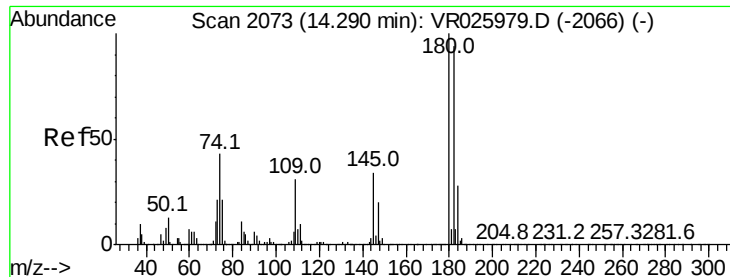
Delta R.T. -0.00 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Tgt Ion:	75	Resp:	6655
Ion	Ratio	Lower	Upper
75	100		
155	56.5	37.8	56.6
157	68.6	49.7	74.5

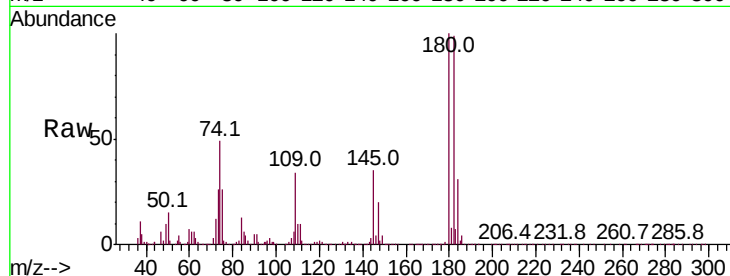




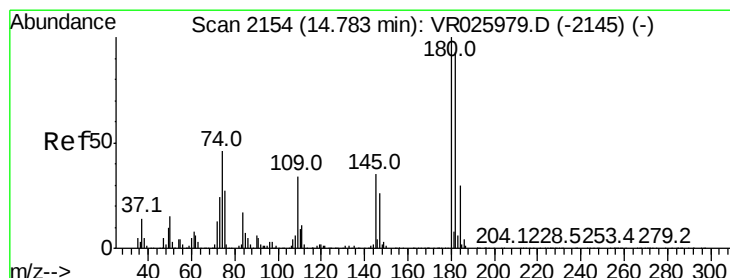
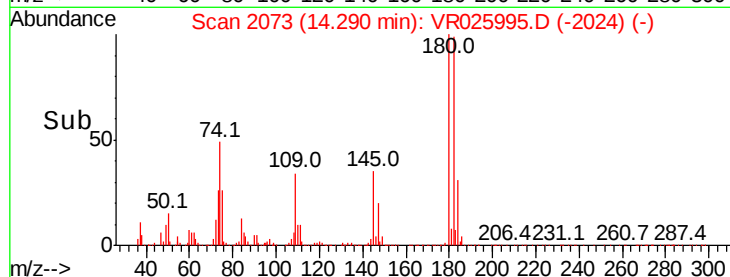
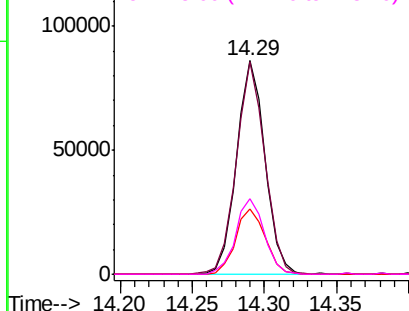
#67
 1,3,5-Trichlorobenzene
 Concen: 4.666 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025995.D
 Acq: 8 Oct 2018 20:36

Instrument :
 MSVOA_R
 ClientSampled :

Tot Ion:	180	Resp:	117790
Ion	Ratio	Lower	Upper
180	100		
182	99.8	77.2	115.8
184	32.1	24.5	36.7
145	35.6	31.1	46.7

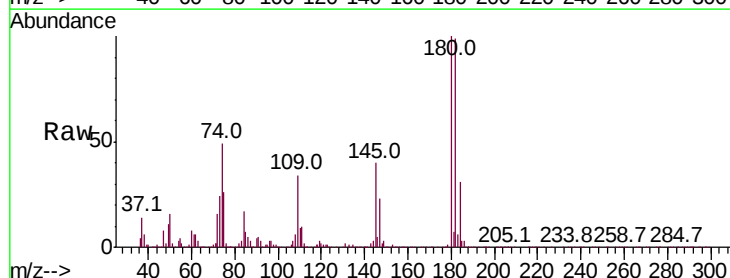


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

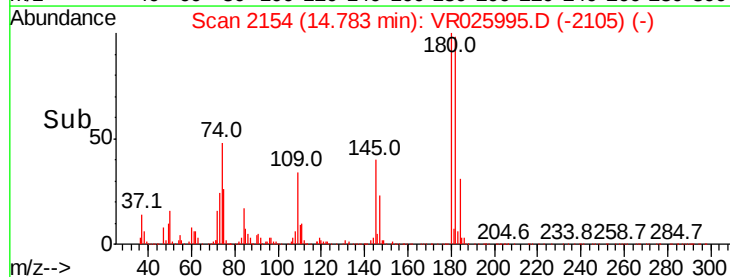
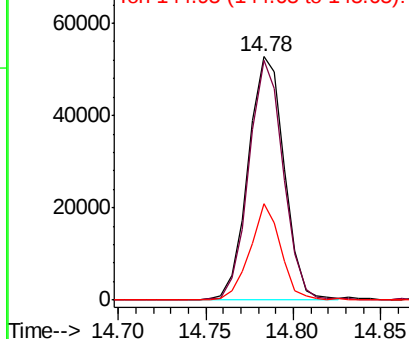


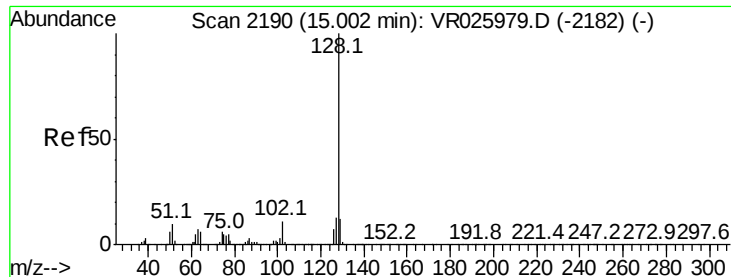
#68
 1,2,4-trichlorobenzene
 Concen: 4.719 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025995.D
 Acq: 8 Oct 2018 20:36

Tgt Ion:	180	Resp:	75950
Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.2	112.8
145	34.2	30.5	45.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.691 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

Instrument :

MSVOA_R

ClientSampleId :

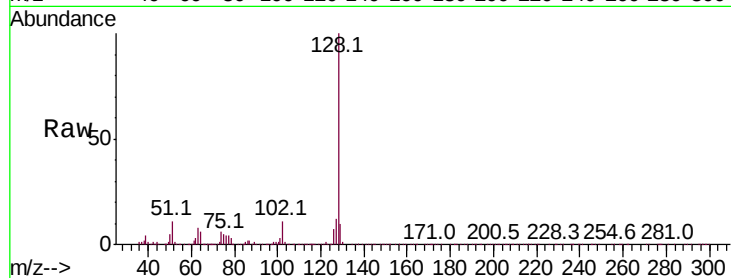
Tot Ion:128 Resp: 96348

Ion Ratio Lower Upper

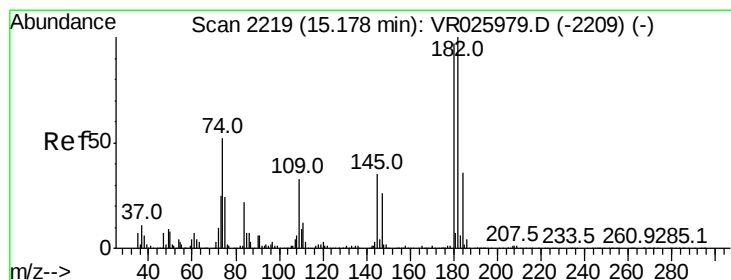
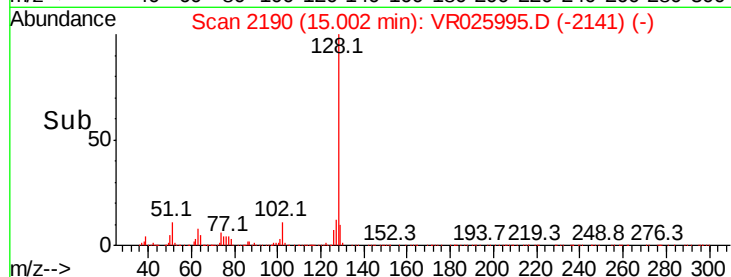
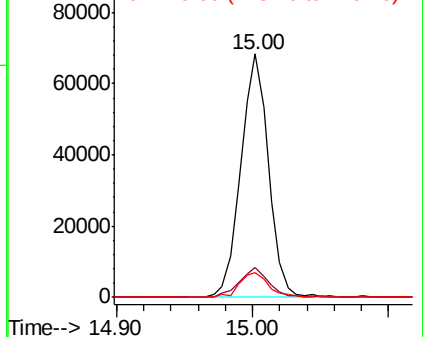
128 100

127 13.0 10.5 15.7

129 10.7 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.922 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025995.D

Acq: 8 Oct 2018 20:36

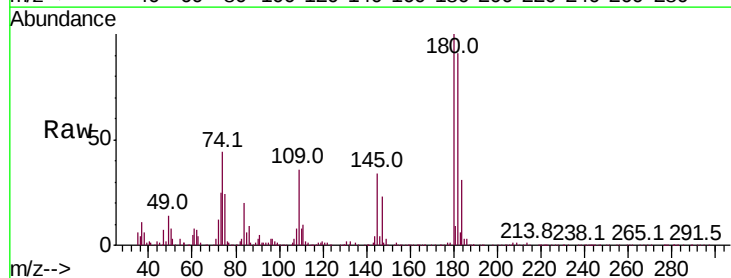
Tgt Ion:180 Resp: 54961

Ion Ratio Lower Upper

180 100

182 94.9 74.7 112.1

145 38.2 31.3 46.9



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

