

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092818\
 Data File : VR025895.D
 Acq On : 28 Sep 2018 10:57
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Sep 29 05:13:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 29 05:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	552348	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	449543	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	169246	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	220060	5.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.00%
7) Chloroethane-d5	2.63	69	177700	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	3.62	63	501548	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.00%
20) 2-Butanone-d5	6.58	46	232655	47.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.82%
24) Chloroform-d	7.20	84	375898	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	7.90	65	159697	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	7.85	84	746395	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	8.90	67	200568	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	9.97	98	698807	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	10.23	79	47040	5.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.80%
46) 2-Hexanone-d5	10.59	63	180276	51.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.30%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	78799	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	132677	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	186321	5.549	ug/L 95
3) Chloromethane	2.01	50	228940	4.796	ug/L 97
5) Vinyl chloride	2.17	62	234545	4.936	ug/L 94
6) Bromomethane	2.52	94	140662	4.741	ug/L 97
8) Chloroethane	2.66	64	131742	4.873	ug/L 97
9) Trichlorofluoromethane	2.93	101	122683	1.860	ug/L # 1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	204762	5.077	ug/L 95
12) 1,1-Dichloroethene	3.63	96	201329	4.829	ug/L # 79
13) Acetone	3.70	43	149095	42.363	ug/L 95
14) Carbon disulfide	3.94	76	515305	5.105	ug/L 99
15) Methyl Acetate	4.19	43	38317	3.927	ug/L 100
16) Methylene chloride	4.40	84	161089	4.201	ug/L 94
17) Methyl tert-butyl Ether	4.89	73	194219	4.206	ug/L 98
18) trans-1,2-Dichloroethene	4.89	96	161974	4.697	ug/L 89
19) 1,1-Dichloroethane	5.69	63	311036	4.556	ug/L 98
21) 2-Butanone	6.69	43	203709	42.081	ug/L 100
22) cis-1,2-Dichloroethene	6.67	96	158931	4.580	ug/L # 91

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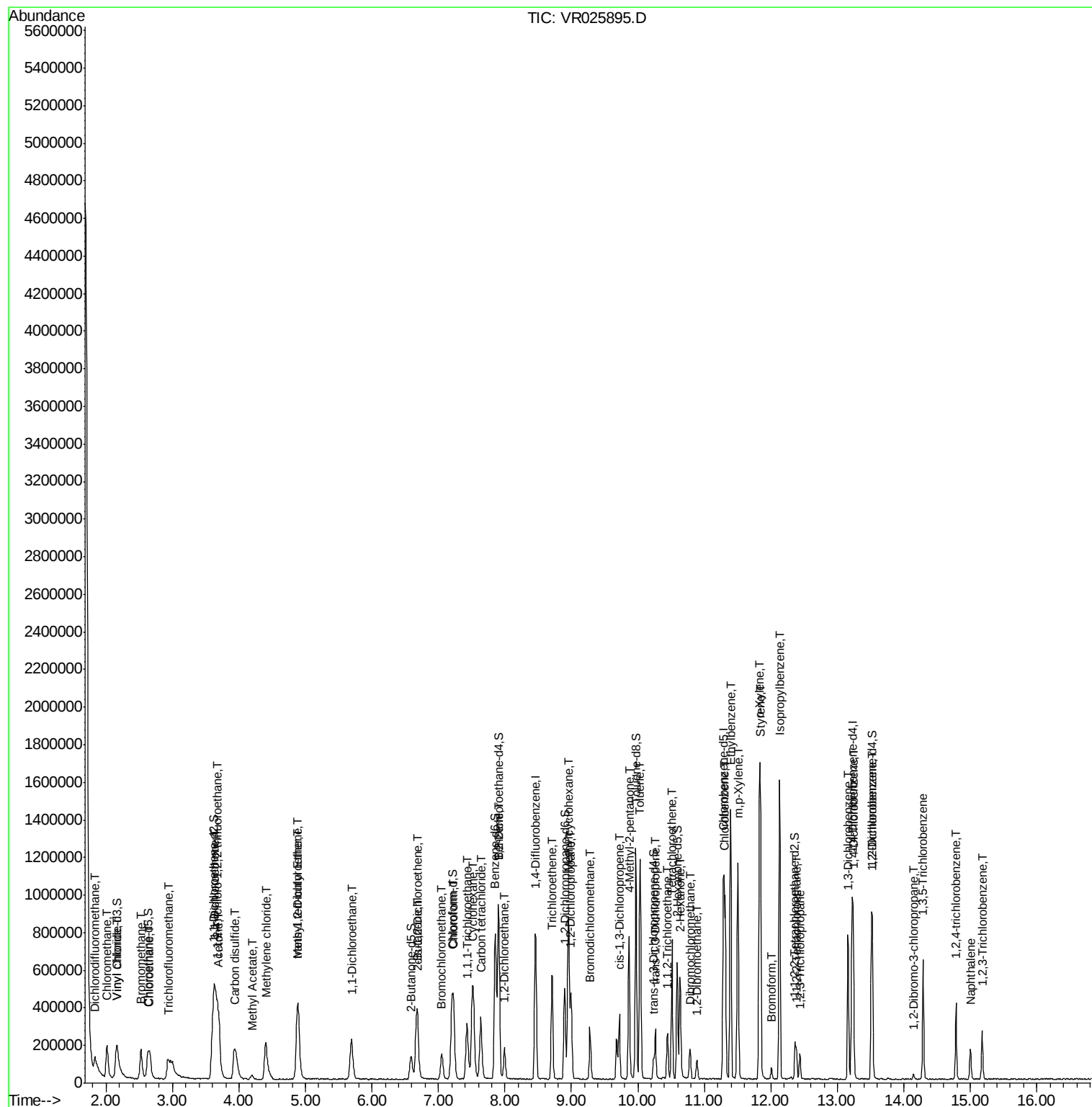
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	40985	4.354	ug/L	92
25) Chloroform	7.23	83	294012	4.422	ug/L	95
27) 1,2-Dichloroethane	7.99	62	142468	4.294	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	251059	4.966	ug/L	98
30) Cyclohexane	7.51	56	326230	5.165	ug/L	99
31) Carbon tetrachloride	7.63	117	226643	5.177	ug/L	99
33) Benzene	7.90	78	719048	4.769	ug/L	100
34) Trichloroethene	8.71	95	183878	4.628	ug/L	92
35) Methylcyclohexane	8.96	83	318383	5.330	ug/L	98
37) 1,2-Dichloropropane	9.00	63	148514	4.591	ug/L	99
38) Bromodichloromethane	9.28	83	159989	4.584	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	174394	4.808	ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	504641	44.367	ug/L	99
42) Toluene	10.04	91	747277	4.769	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	110929	4.685	ug/L	90
45) 1,1,2-Trichloroethane	10.45	97	61286	4.189	ug/L	86
47) Tetrachloroethene	10.51	164	119740	4.891	ug/L	95
48) 2-Hexanone	10.63	43	335787	45.091	ug/L	98
49) Dibromochloromethane	10.79	129	68047	4.583	ug/L	92
50) 1,2-Dibromoethane	10.89	107	53654	4.648	ug/L #	94
51) Chlorobenzene	11.32	112	389311	4.684	ug/L	97
52) Ethylbenzene	11.39	91	884714	4.947	ug/L	100
53) m,p-Xylene	11.50	106	318388	5.001	ug/L	93
54) o-Xylene	11.83	106	286716	4.838	ug/L	98
55) Styrene	11.84	104	438680	4.756	ug/L	98
56) Isopropylbenzene	12.13	105	841247	5.147	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	62166	4.410	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	45880	4.373	ug/L	97
61) Bromoform	12.01	173	21849	4.270	ug/L #	97
62) 1,3-Dichlorobenzene	13.16	146	230194	4.654	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	225323	4.453	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	177747	4.472	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	6309	3.775	ug/L	97
67) 1,3,5-Trichlorobenzene	14.29	180	140243	4.760	ug/L	95
68) 1,2,4-trichlorobenzene	14.78	180	82367	4.385	ug/L	98
69) Naphthalene	15.00	128	103087	4.300	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	58617	4.498	ug/L	98

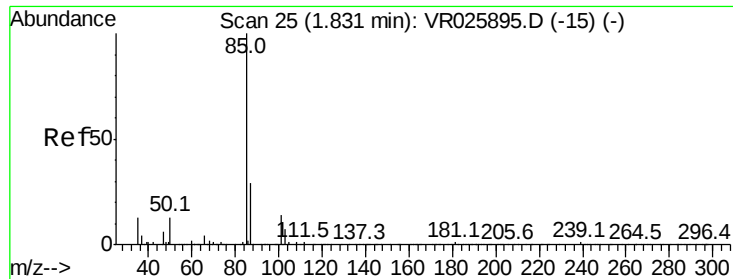
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.549 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

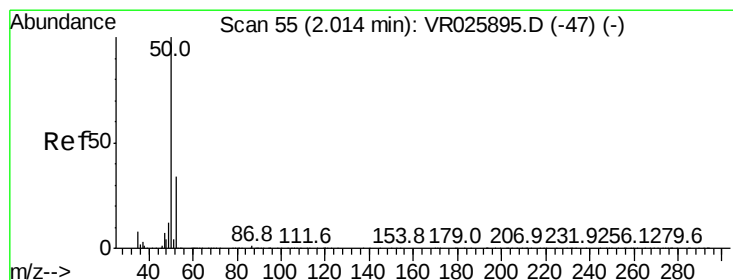
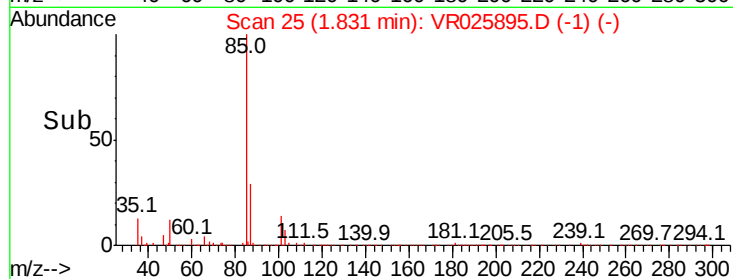
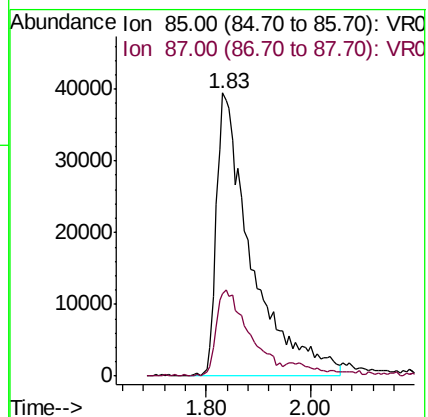
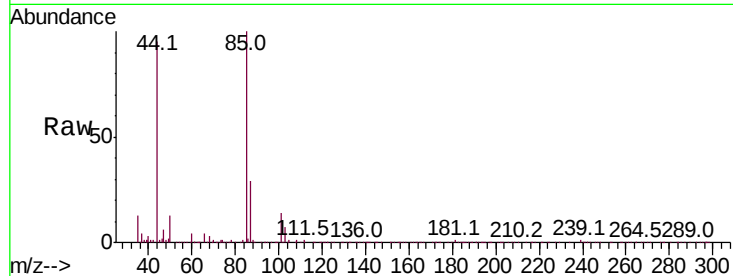
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 85 Resp: 186321

Ion Ratio Lower Upper

85 100

87 28.4 25.1 37.7



#3

Chloromethane

Concen: 4.796 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR025895.D

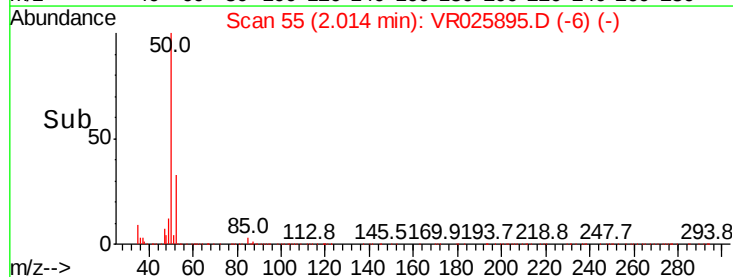
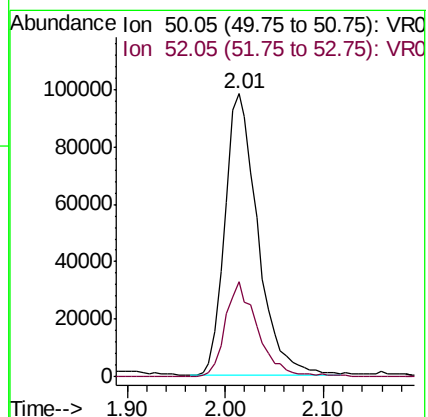
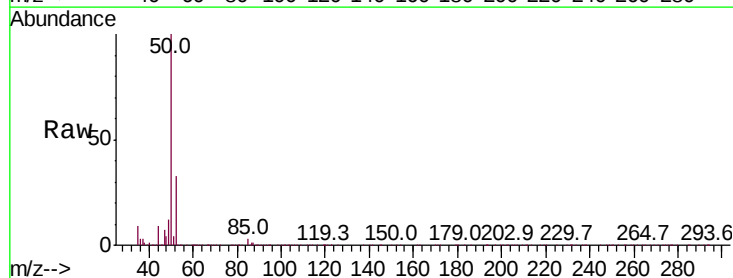
Acq: 28 Sep 2018 10:57

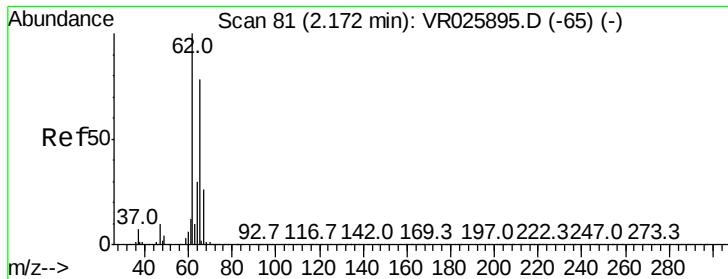
Tgt Ion: 50 Resp: 228940

Ion Ratio Lower Upper

50 100

52 33.5 22.1 41.1





#5

Vinyl chloride

Concen: 4.936 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

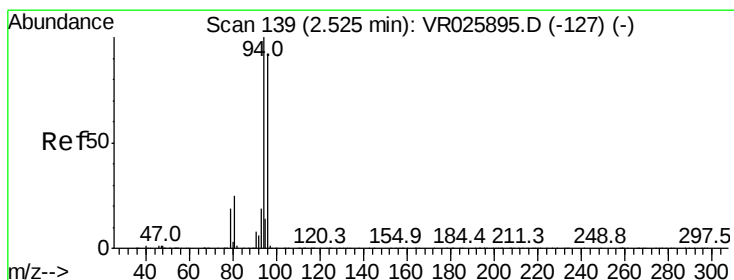
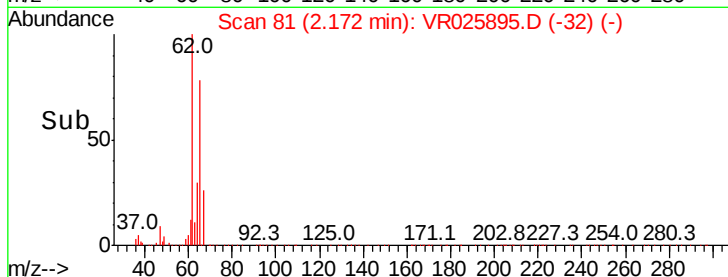
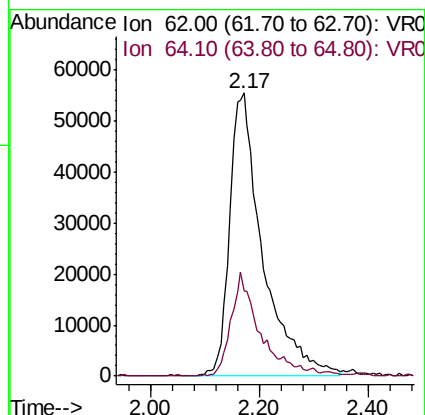
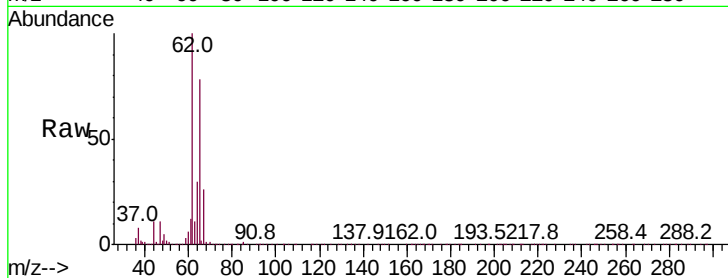
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 62 Resp: 234545

Ion Ratio Lower Upper

62 100

64 29.9 23.5 43.7



#6

Bromomethane

Concen: 4.741 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR025895.D

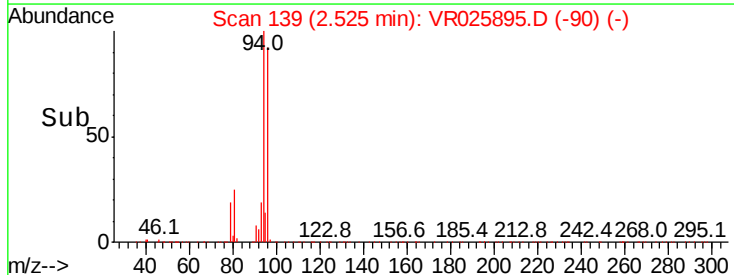
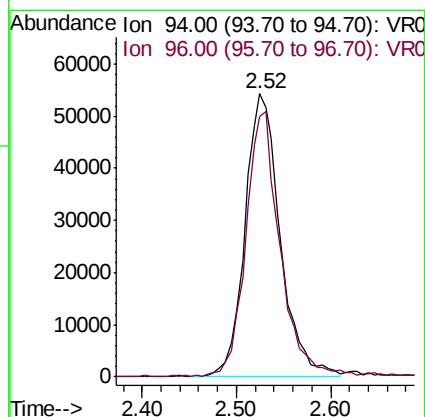
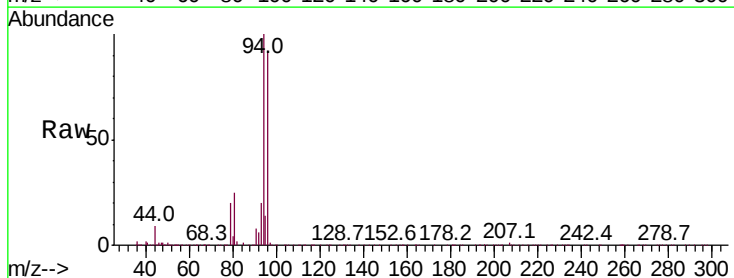
Acq: 28 Sep 2018 10:57

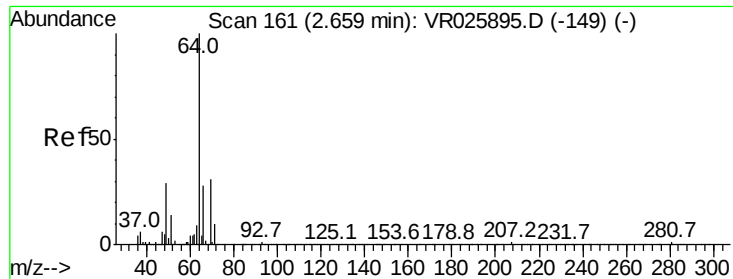
Tgt Ion: 94 Resp: 140662

Ion Ratio Lower Upper

94 100

96 91.8 66.1 122.8

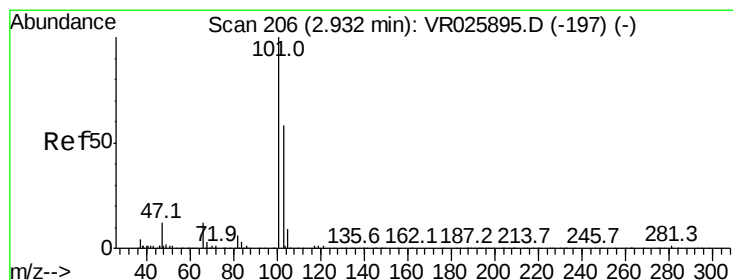
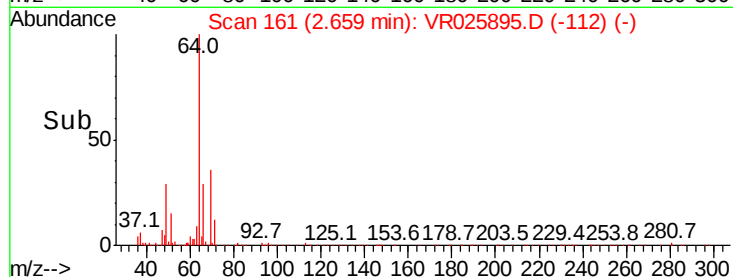
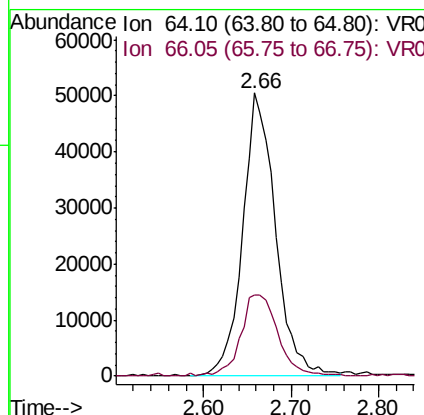
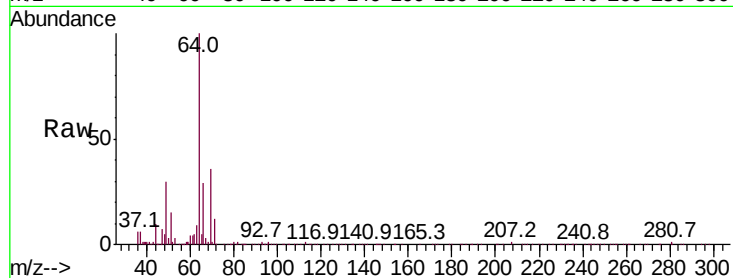




#8
Chloroethane
Concen: 4.873 ug/L
RT: 2.66 min Scan# 161
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

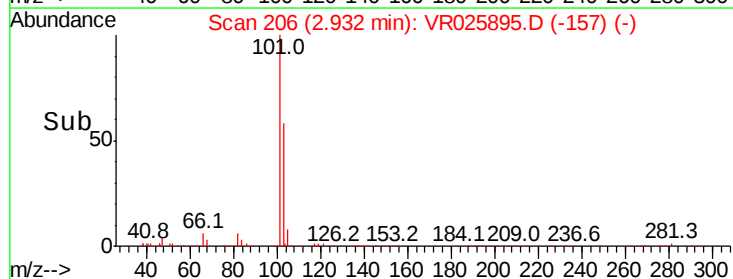
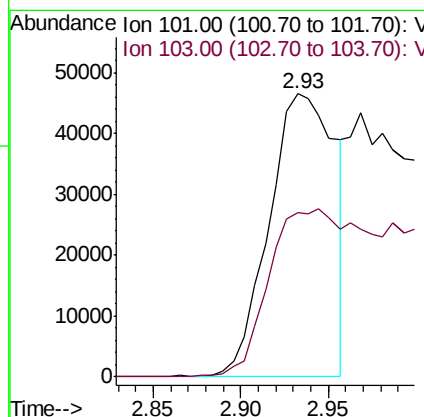
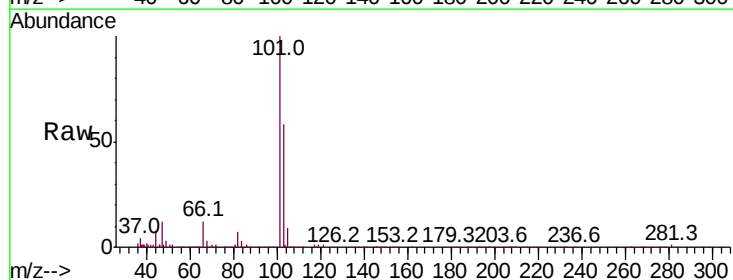
Instrument :
MSVOA_R
ClientSampled :

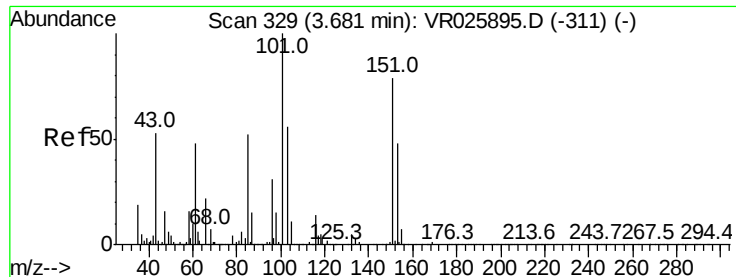
Tot Ion: 64 Resp: 131742
Ion Ratio Lower Upper
64 100
66 28.6 21.3 39.5



#9
Trichlorofluoromethane
Concen: 1.860 ug/L
RT: 2.93 min Scan# 206
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

Tgt Ion: 101 Resp: 122683
Ion Ratio Lower Upper
101 100
103 90.2 22.1 33.1#





#10

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

Concen: 5.077 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

Instrument :

MSVOA_R

ClientSampleId :

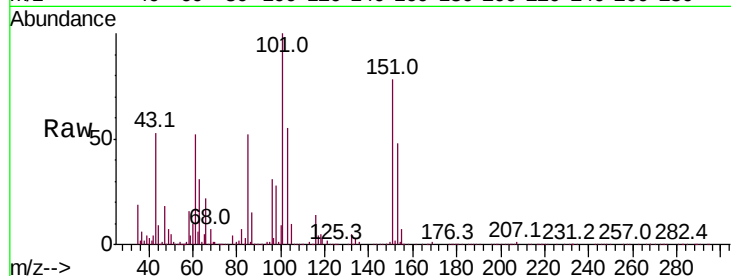
Tot Ion:101 Resp: 204762

Ion Ratio Lower Upper

101 100

85 48.1 38.2 57.4

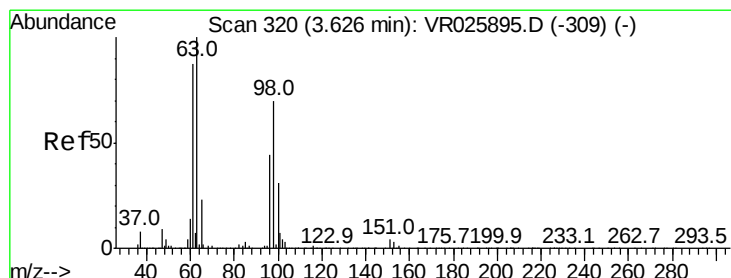
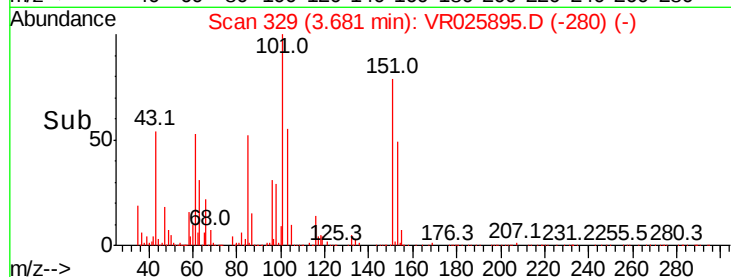
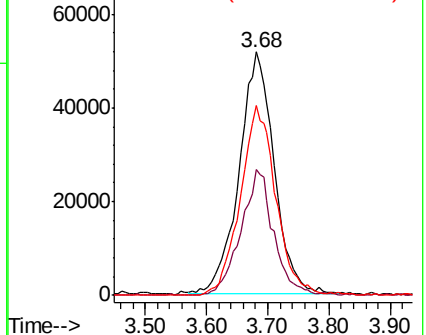
151 79.3 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.829 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

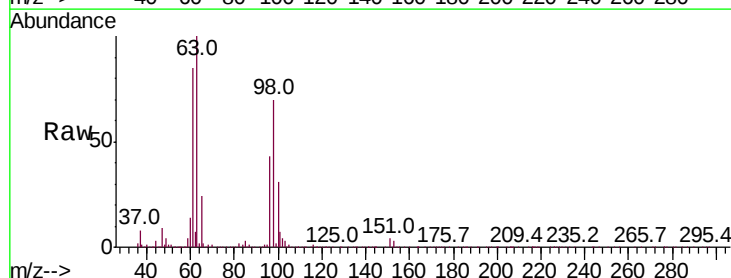
Tgt Ion: 96 Resp: 201329

Ion Ratio Lower Upper

96 100

61 197.8 145.0 269.4

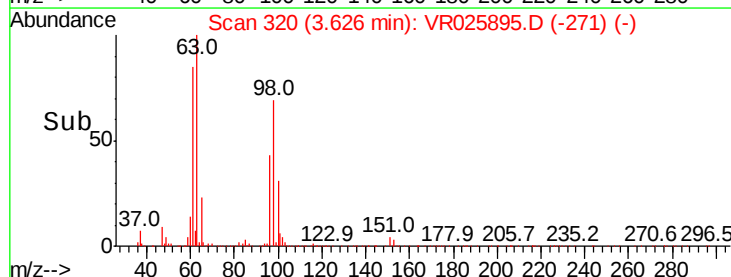
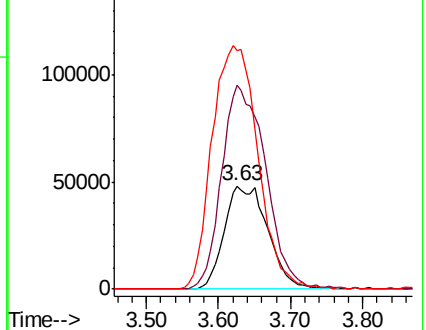
63 231.8 123.8 230.0#

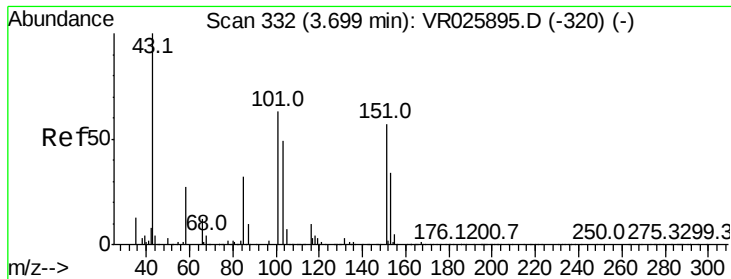


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

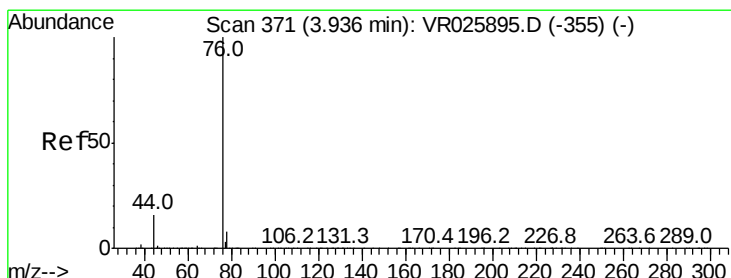
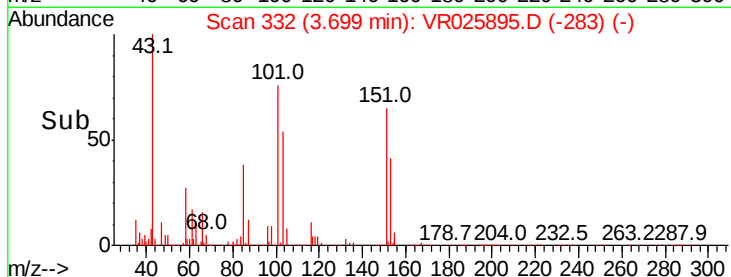
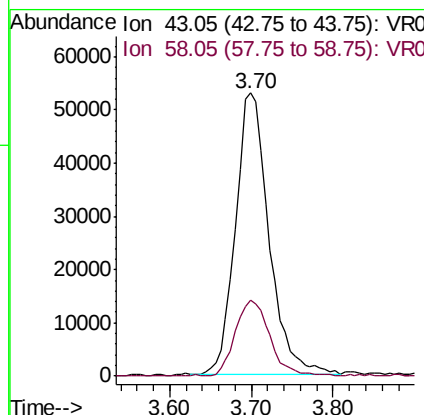
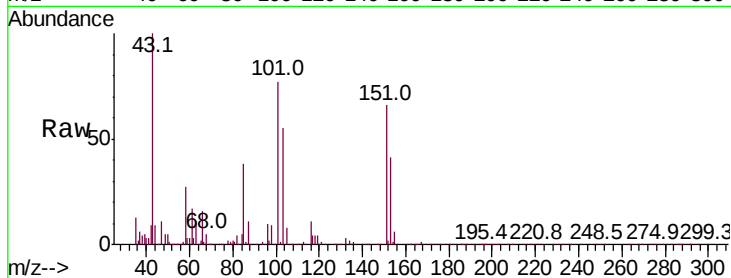




#13
Acetone
Concen: 42.363 ug/L
RT: 3.70 min Scan# 332
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

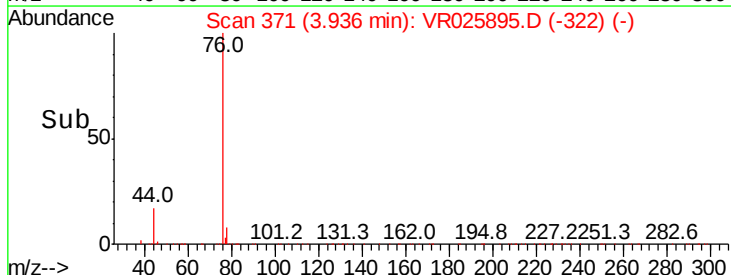
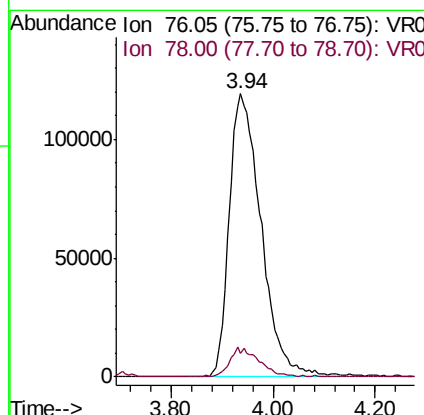
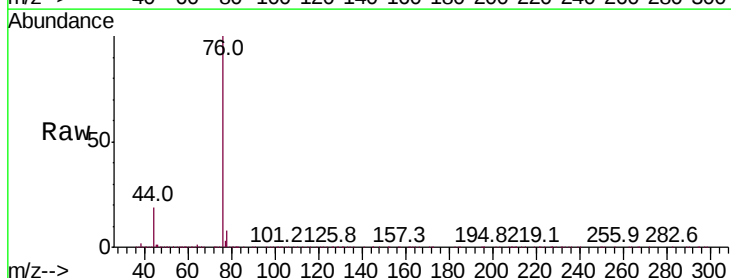
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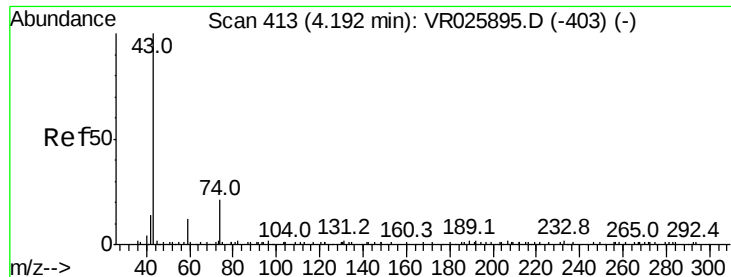
Tot Ion: 43 Resp: 149095
Ion Ratio Lower Upper
43 100
58 28.3 0.0 51.4



#14
Carbon disulfide
Concen: 5.105 ug/L
RT: 3.94 min Scan# 371
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

Tgt Ion: 76 Resp: 515305
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6





#15

Methyl Acetate

Concen: 3.927 ug/L

RT: 4.19 min Scan# 413

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

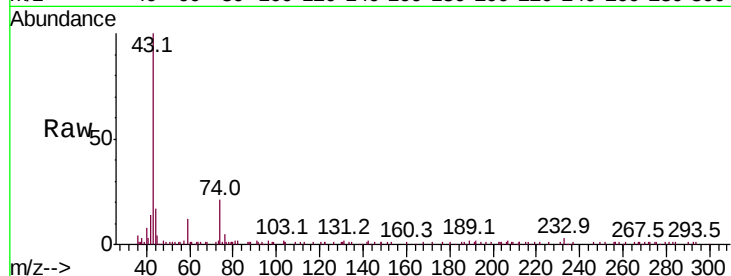
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 38317

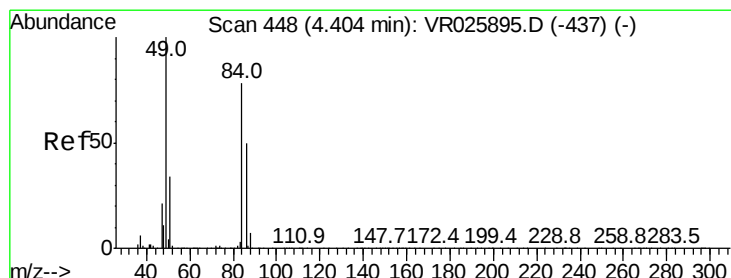
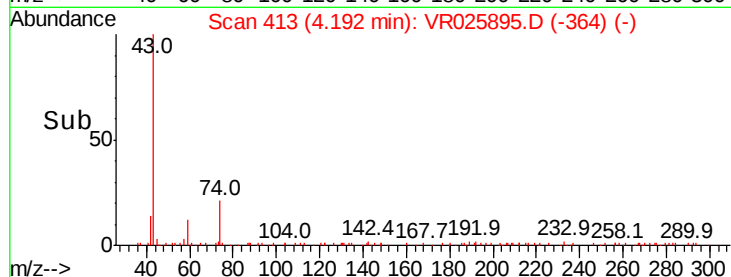
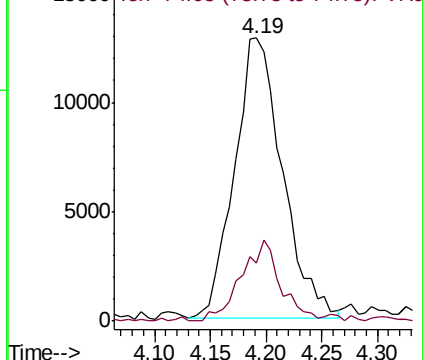
Ion Ratio Lower Upper

43 100

74 23.8 19.0 28.4



Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 4.201 ug/L

RT: 4.40 min Scan# 448

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

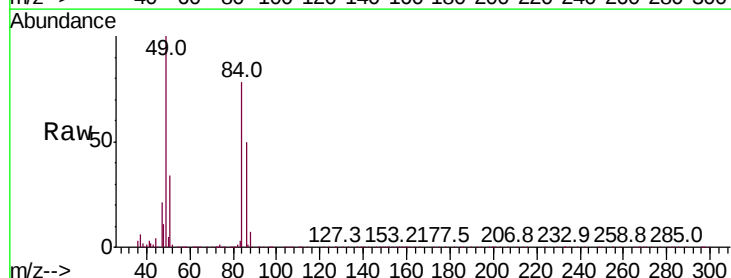
Tgt Ion: 84 Resp: 161089

Ion Ratio Lower Upper

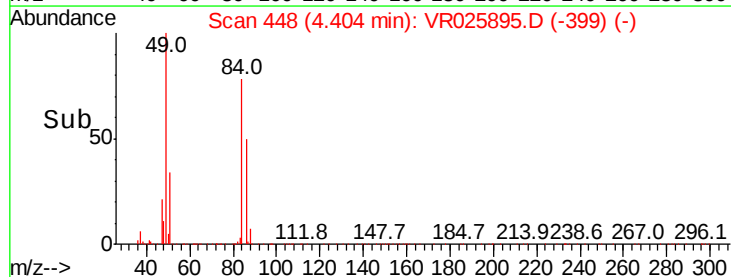
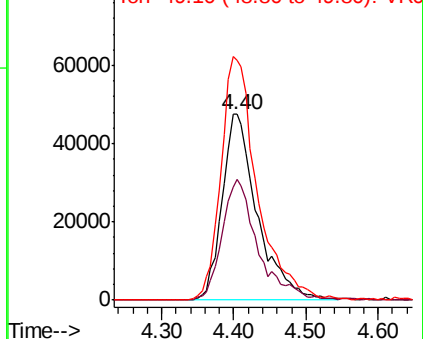
84 100

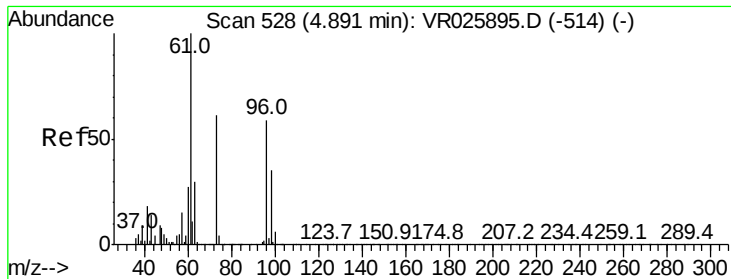
86 64.8 43.1 80.1

49 128.8 95.5 177.3



Abundance Ion 84.05 (83.75 to 84.75): VR0
Ion 86.00 (85.70 to 86.70): VR0
Ion 49.10 (48.80 to 49.80): VR0

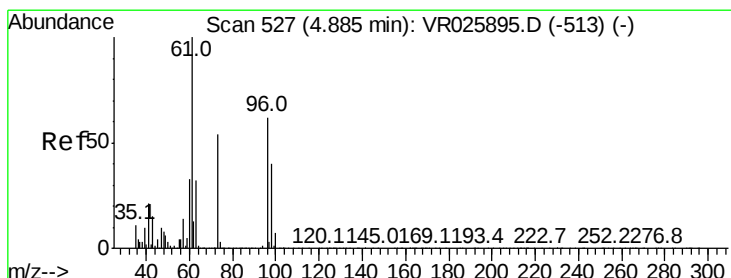
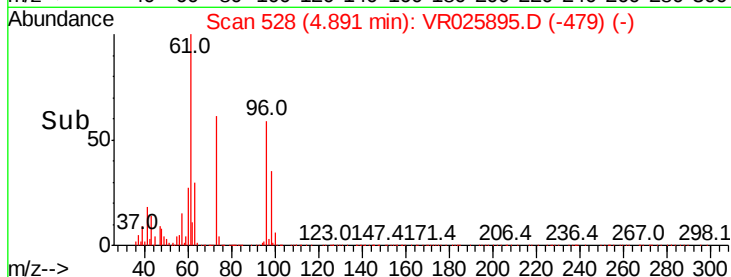
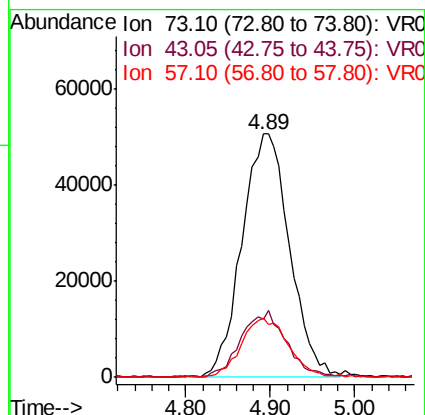
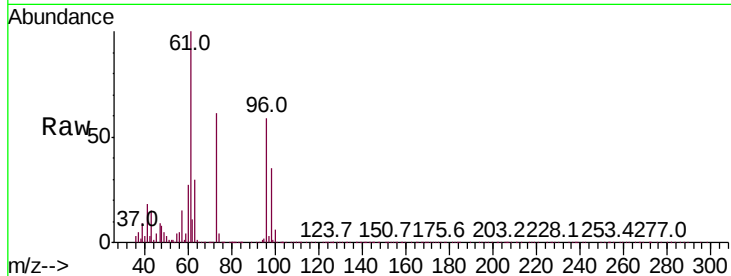




#17
Methvl tert-butvl Ether
Concen: 4.206 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

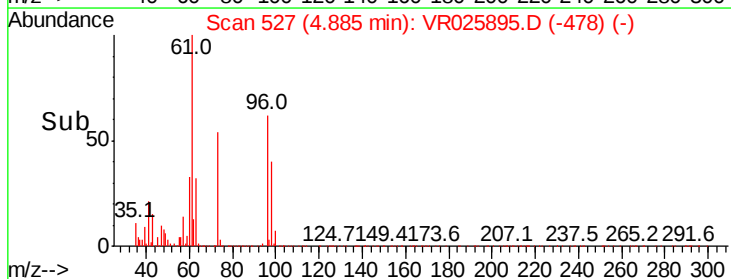
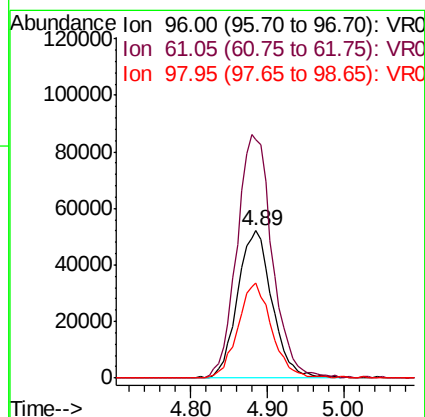
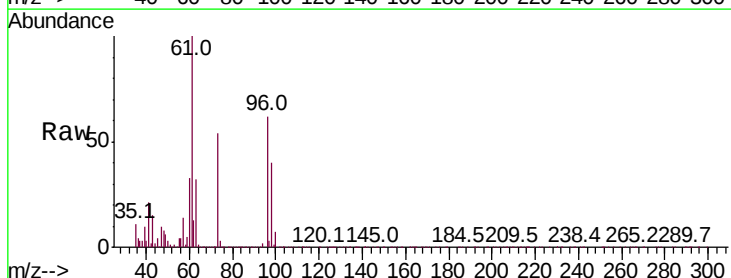
Instrument :
MSVOA_R
ClientSampleId :

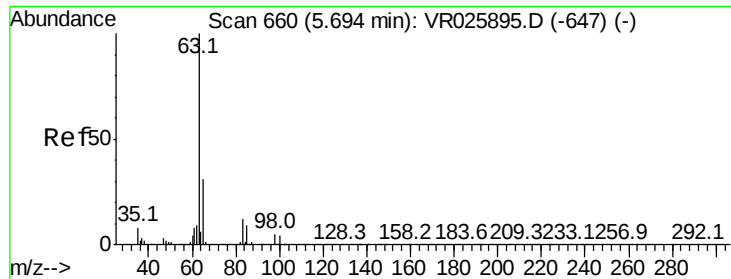
Tot Ion	Ratio	Lower	Upper
73	100		
43	25.5	19.8	29.8
57	24.1	17.9	26.9



#18
trans-1,2-Dichloroethene
Concen: 4.697 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.0	127.4	236.6
98	64.3	43.8	81.3

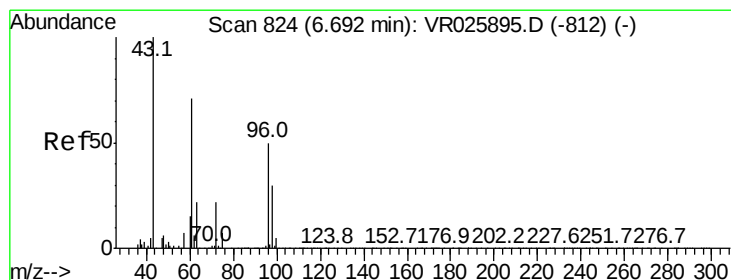
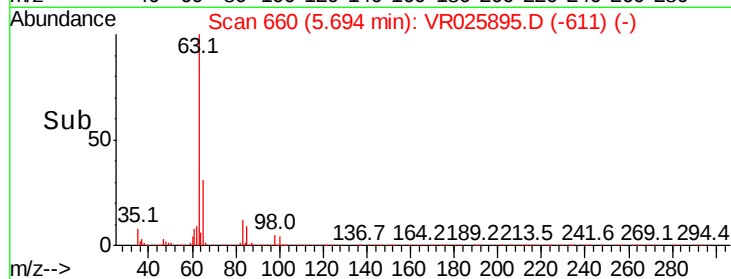
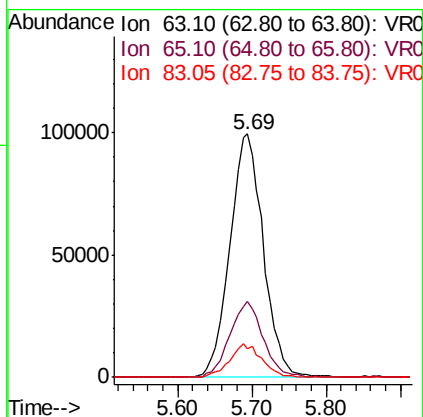
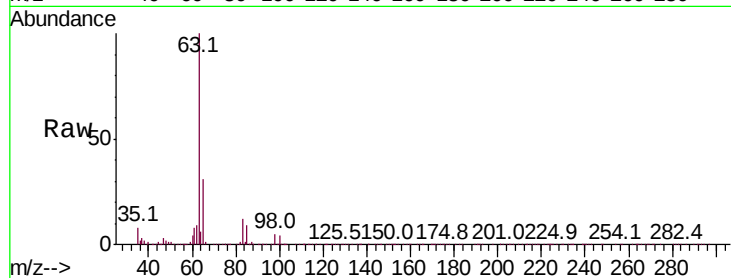




#19
 1,1-Dichloroethane
 Concen: 4.556 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR025895.D
 Acq: 28 Sep 2018 10:57

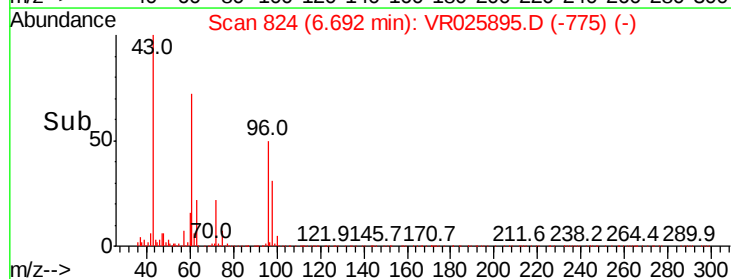
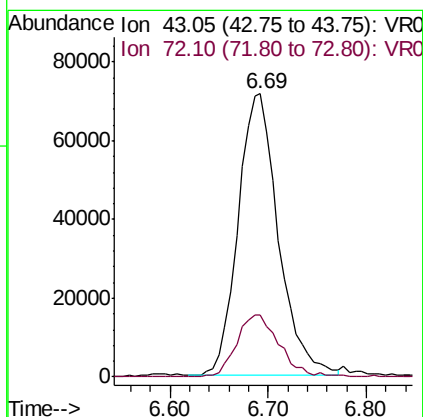
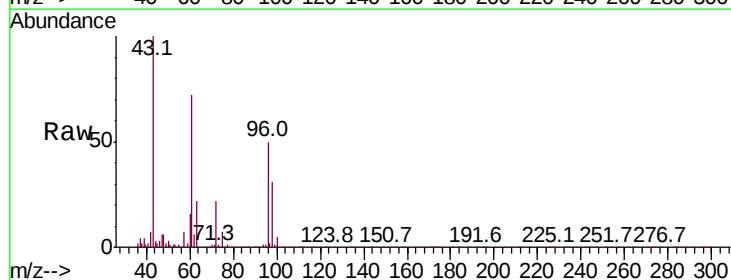
Instrument :
 MSVOA_R
 ClientSampleId :

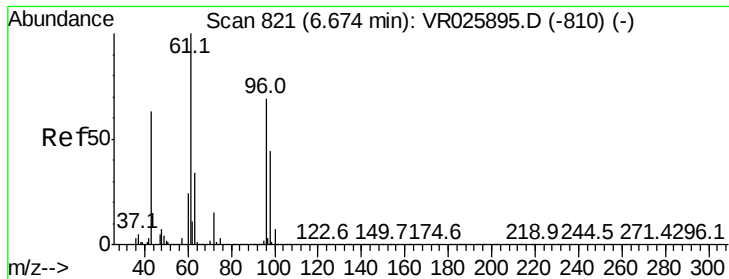
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	21.1	39.1
83	12.0	8.9	16.5



#21
 2-Butanone
 Concen: 42.081 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: VR025895.D
 Acq: 28 Sep 2018 10:57

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.6	11.9	35.7



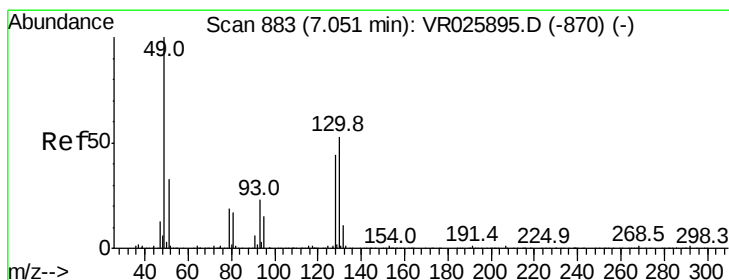
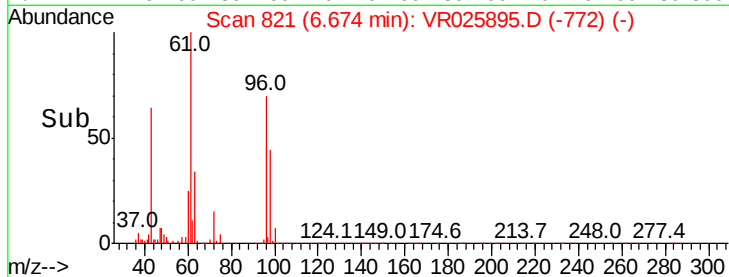
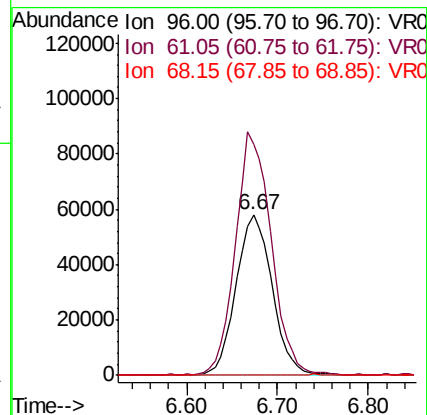
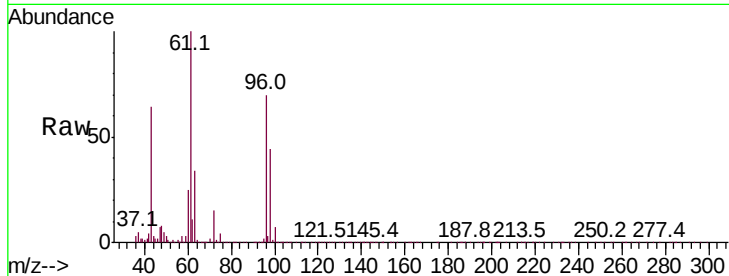


#22

cis-1,2-Dichloroethene
Concen: 4.580 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

Instrument :
MSVOA_R
ClientSampled :

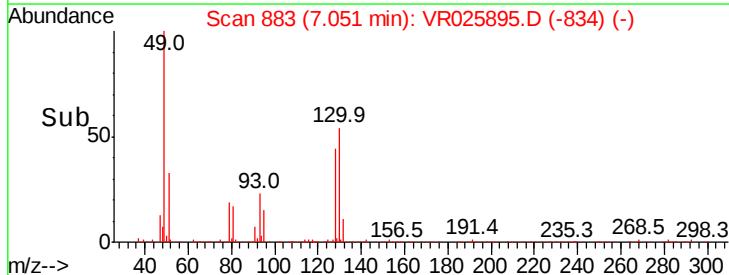
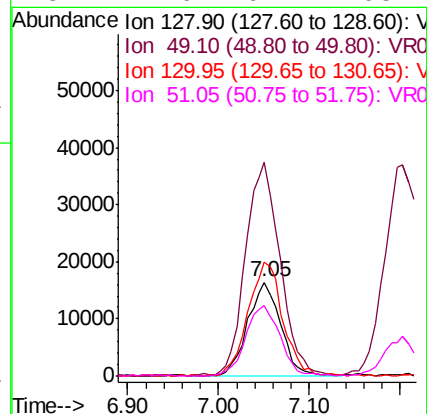
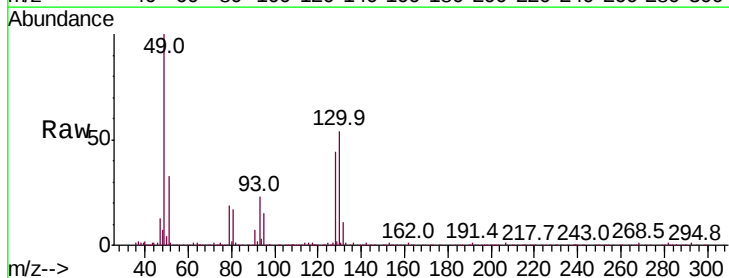
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	108.7	201.9
68	0.2	0.1	0.1#

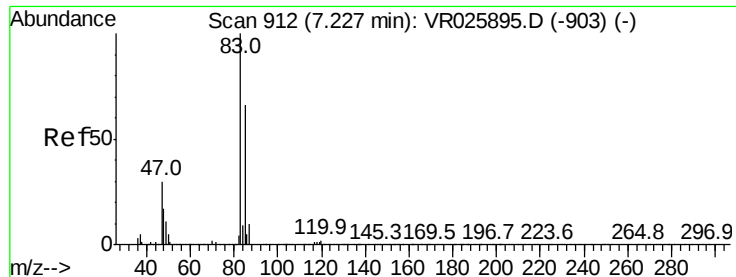


#23

Bromochloromethane
Concen: 4.354 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

Tgt Ion	Ratio	Lower	Upper
128	100		
49	228.0	175.0	325.0
130	122.0	85.6	159.0
51	74.6	62.2	93.2





#25

Chloroform

Concen: 4.422 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

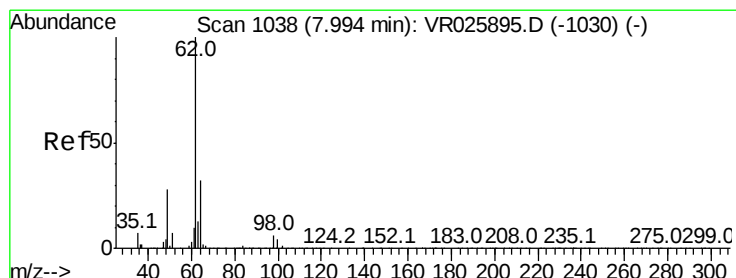
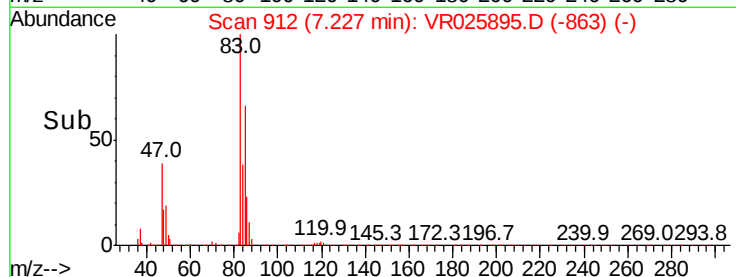
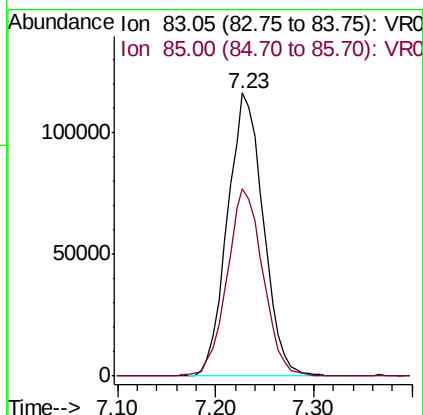
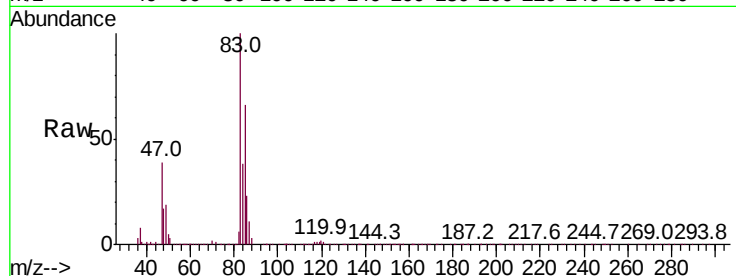
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 83 Resp: 294012

Ion Ratio Lower Upper

83 100

85 66.3 43.8 81.4



#27

1,2-Dichloroethane

Concen: 4.294 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR025895.D

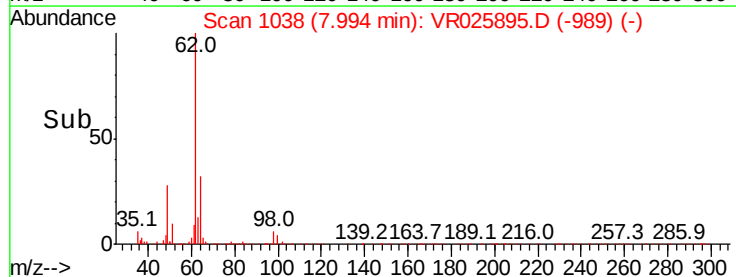
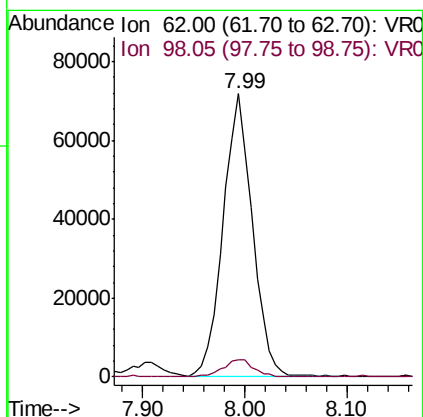
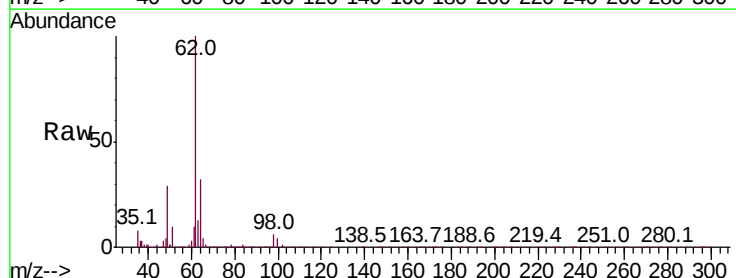
Acq: 28 Sep 2018 10:57

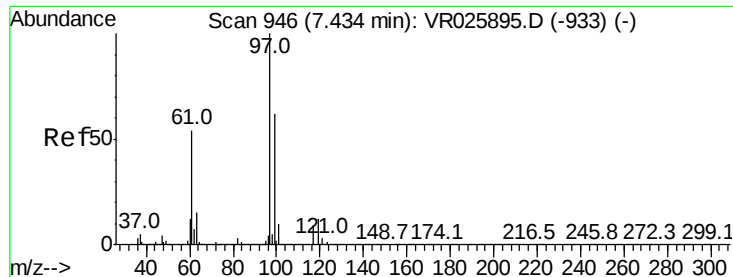
Tgt Ion: 62 Resp: 142468

Ion Ratio Lower Upper

62 100

98 6.1 5.2 7.8

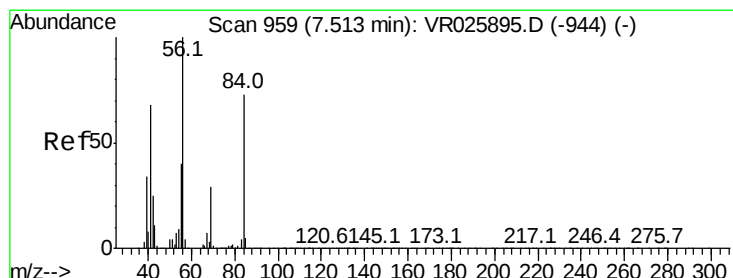
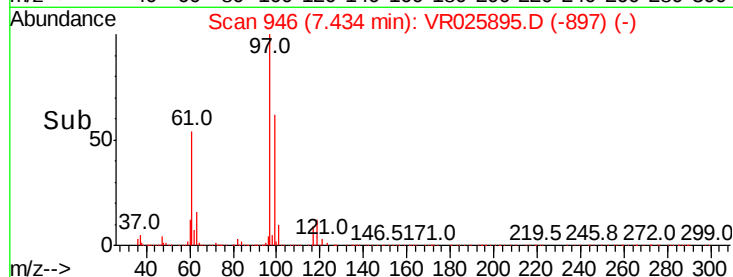
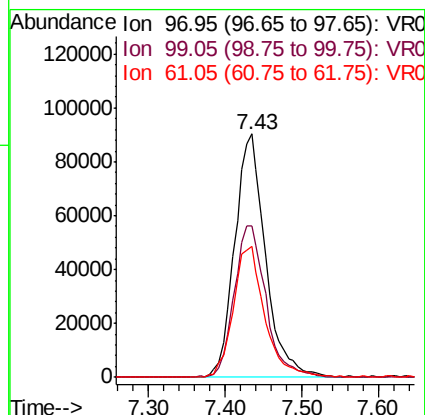
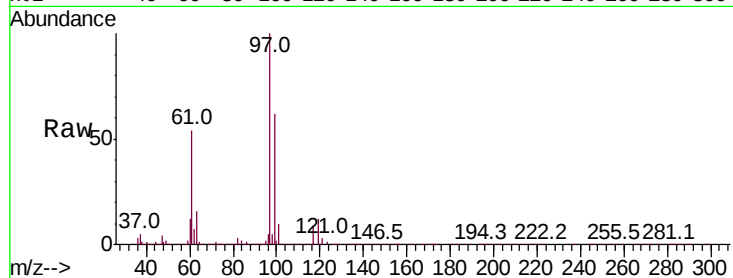




#29
 1,1,1-Trichloroethane
 Concen: 4.966 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VR025895.D
 Acq: 28 Sep 2018 10:57

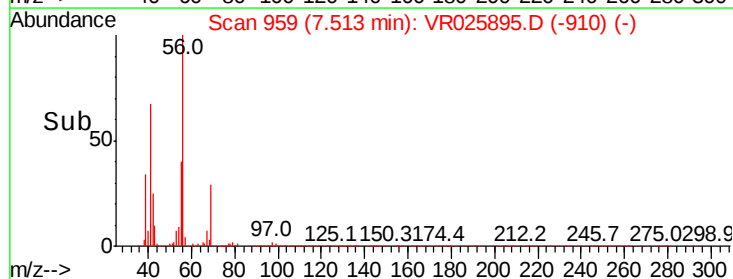
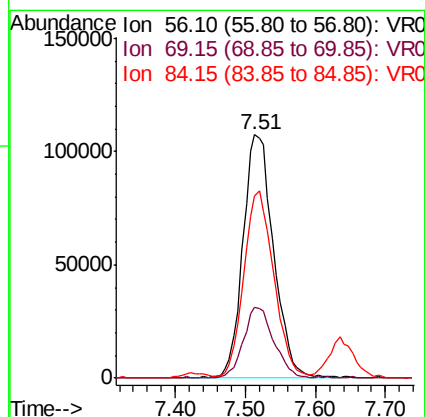
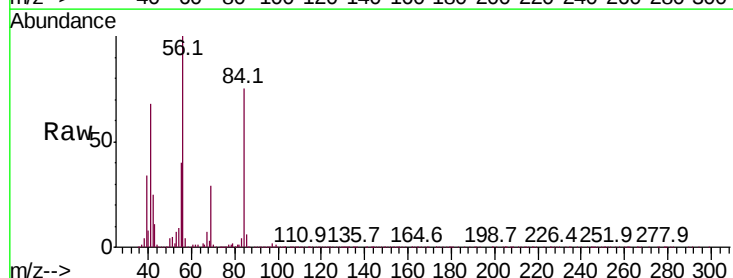
Instrument :
 MSVOA_R
 ClientSampleId :

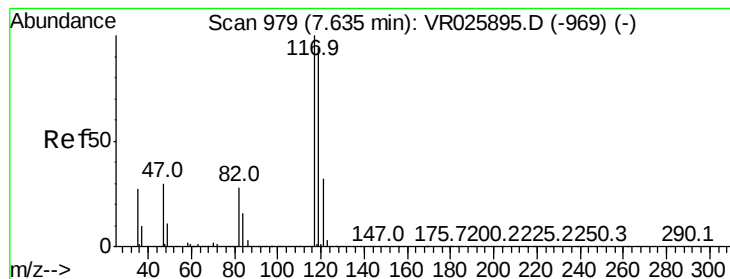
Tot Ion:	97	Resp:	251059
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	55.3	41.6	62.4



#30
 Cyclohexane
 Concen: 5.165 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: VR025895.D
 Acq: 28 Sep 2018 10:57

Tgt Ion:	56	Resp:	326230
Ion	Ratio	Lower	Upper
56	100		
69	28.8	24.8	37.2
84	75.1	59.8	89.8





#31

Carbon tetrachloride

Concen: 5.177 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

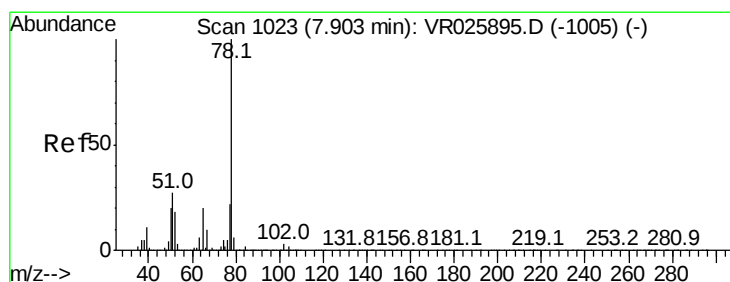
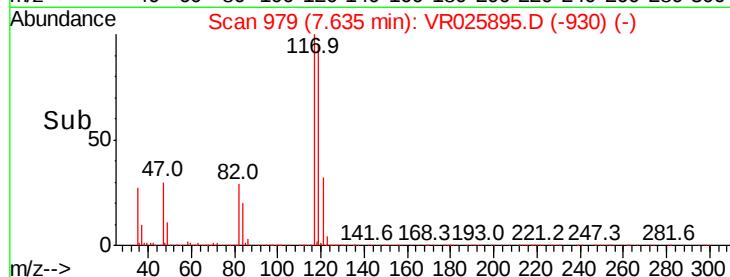
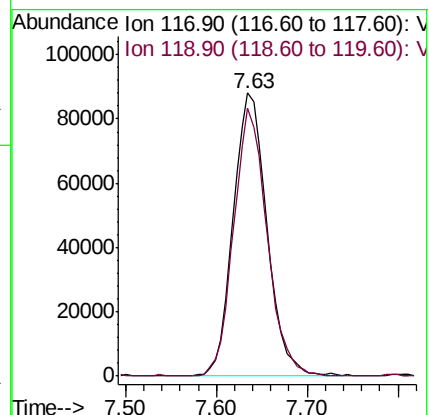
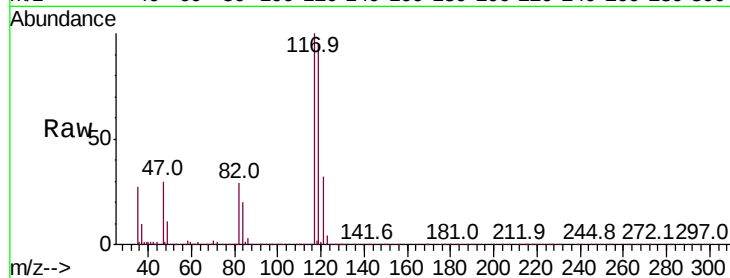
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:117 Resp: 226643

Ion Ratio Lower Upper

117 100

119 93.4 75.6 113.4



#33

Benzene

Concen: 4.769 ug/L

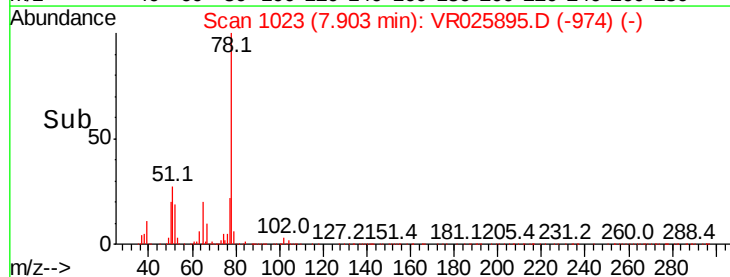
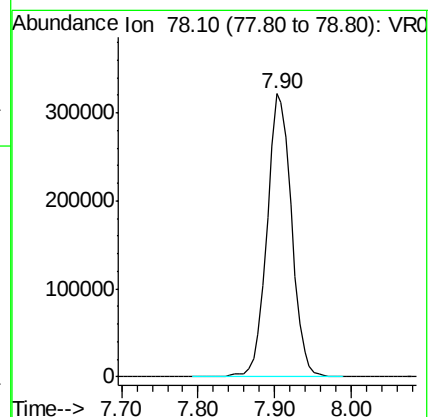
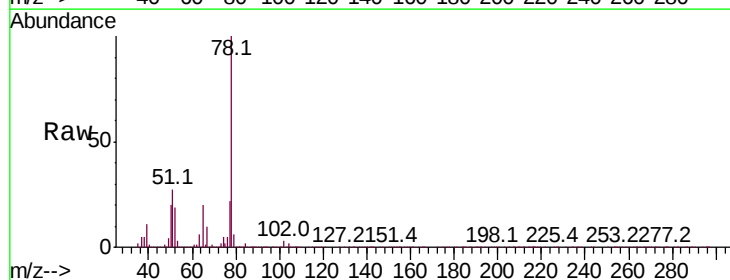
RT: 7.90 min Scan# 1023

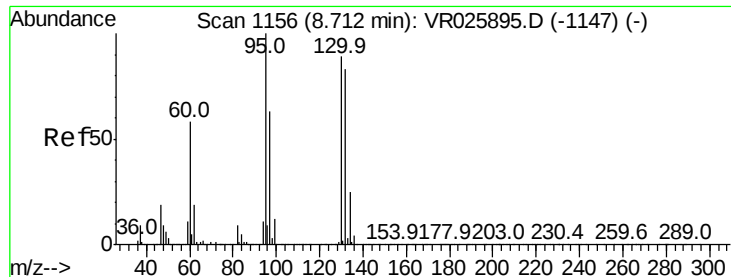
Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

Tgt Ion: 78 Resp: 719048





#34

Trichloroethene

Concen: 4.628 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 95 Resp: 183878

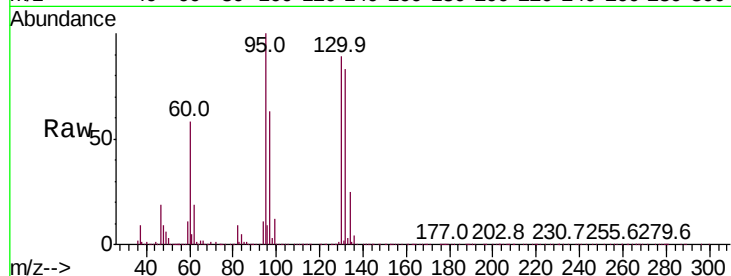
Ion Ratio Lower Upper

95 100

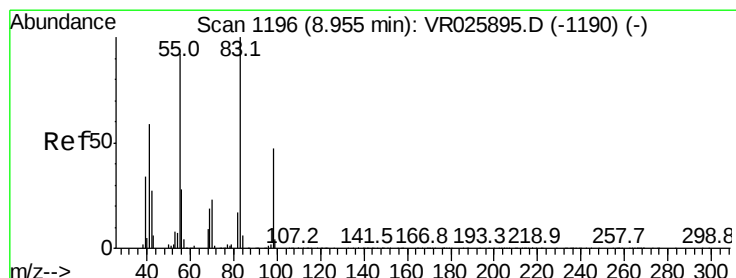
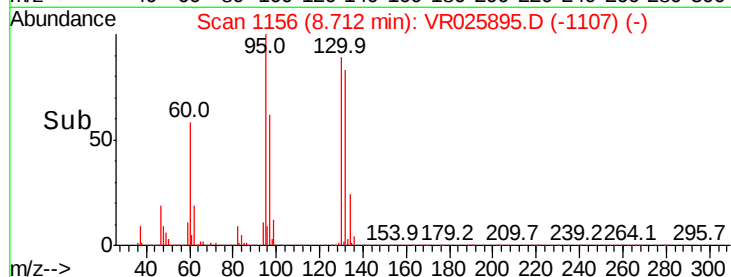
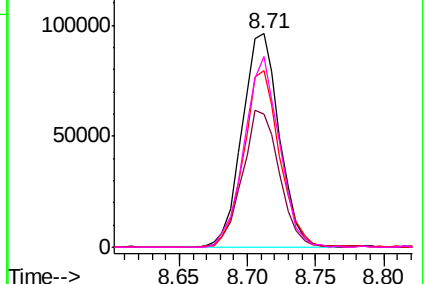
97 62.6 43.9 81.5

132 82.7 53.3 98.9

130 89.2 53.8 99.8



Abundance Ion 95.00 (94.70 to 95.70): VR0
150000
Ion 96.95 (96.65 to 97.65): VR0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.330 ug/L

RT: 8.96 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

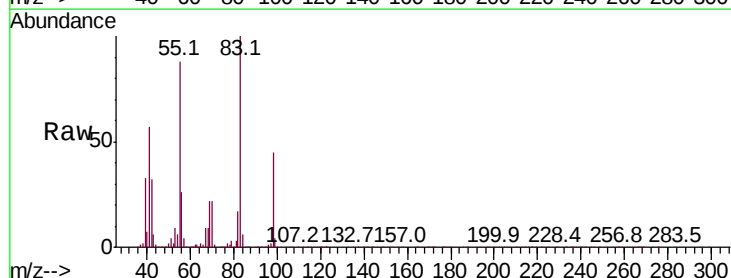
Tgt Ion: 83 Resp: 318383

Ion Ratio Lower Upper

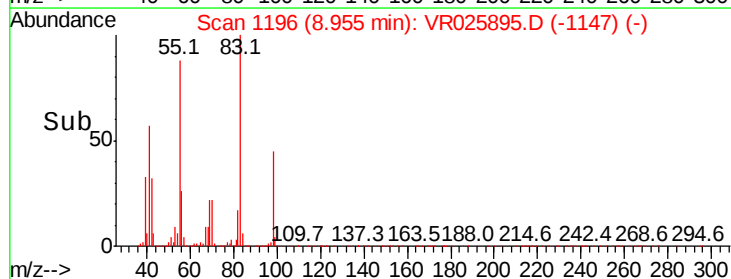
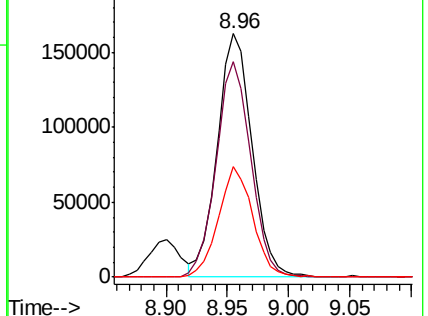
83 100

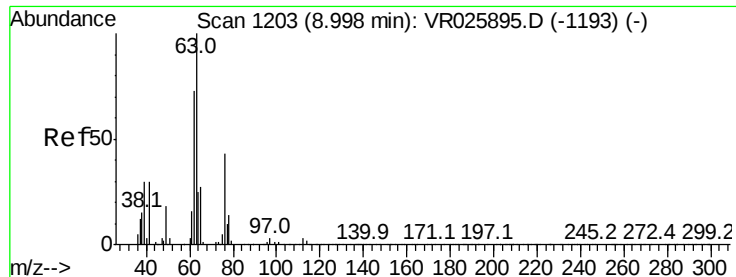
55 88.7 71.8 107.6

98 44.7 34.2 51.4



Abundance Ion 83.15 (82.85 to 83.85): VR0
200000
Ion 55.10 (54.80 to 55.80): VR0
Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 4.591 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

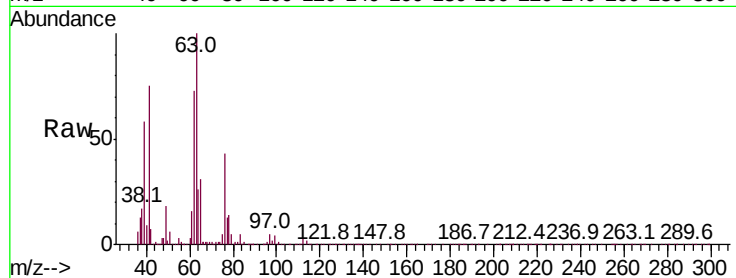
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 148514

Ion Ratio Lower Upper

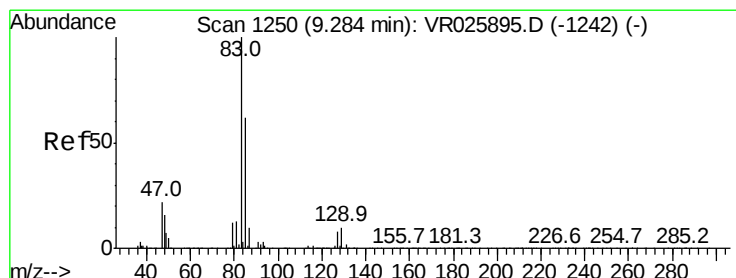
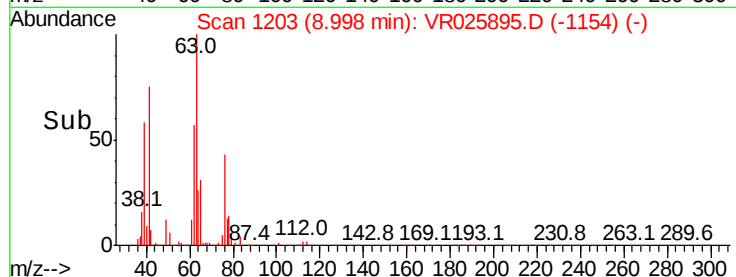
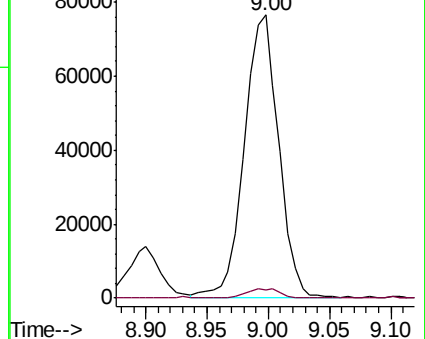
63 100

112 3.5 2.5 3.7



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 4.584 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

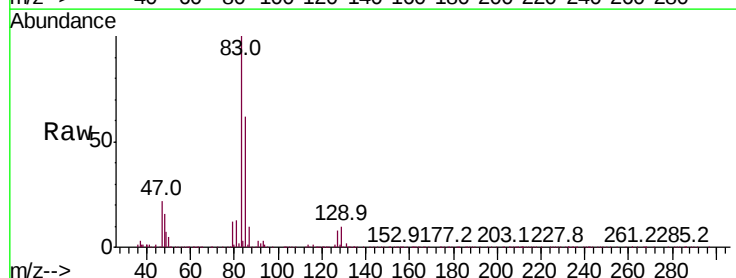
Tgt Ion: 83 Resp: 159989

Ion Ratio Lower Upper

83 100

85 62.0 42.8 79.4

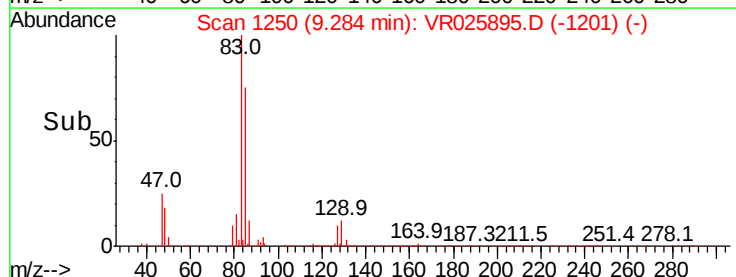
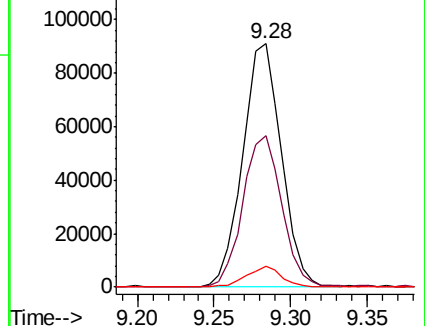
127 8.4 5.6 8.4

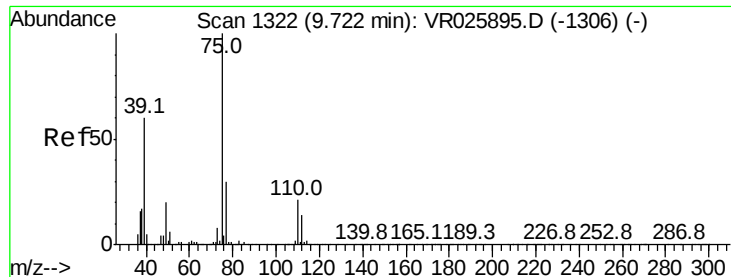


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V

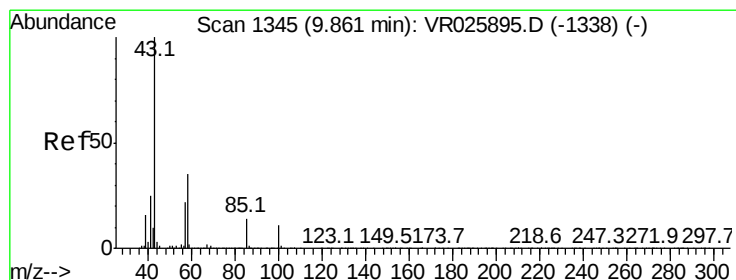
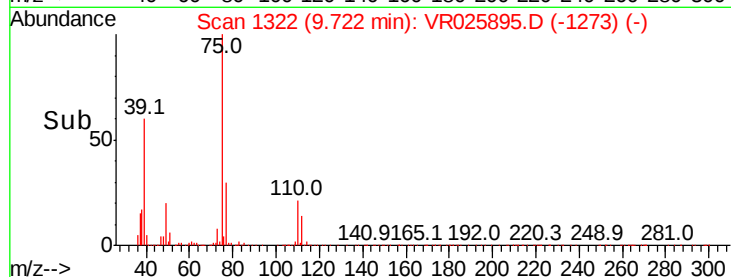
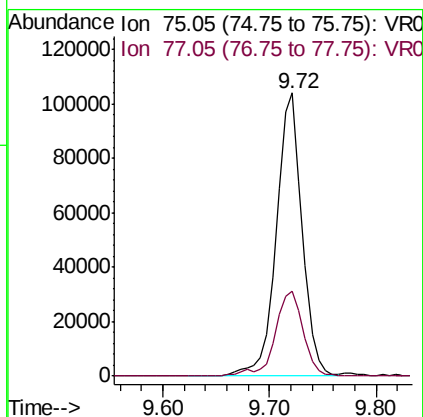
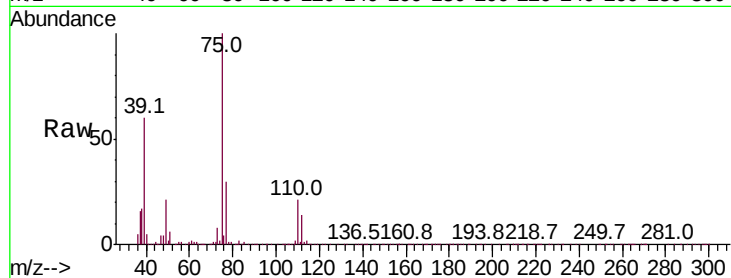




#39
 cis-1,3-Dichloropropene
 Concen: 4.808 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VR025895.D
 Acq: 28 Sep 2018 10:57

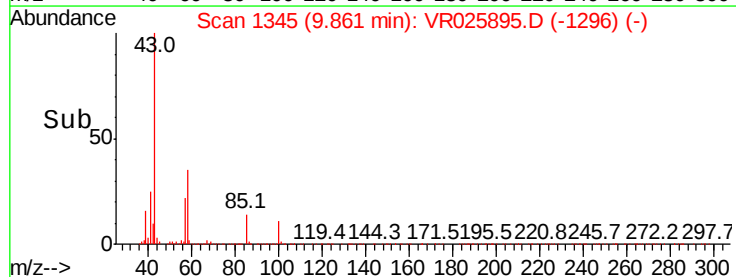
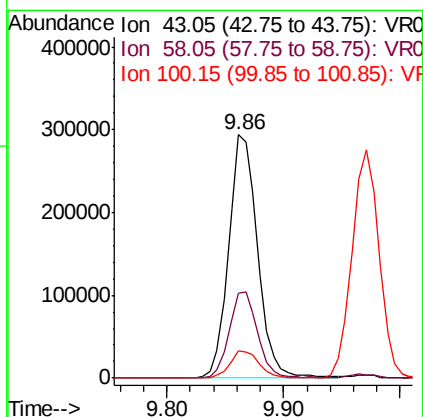
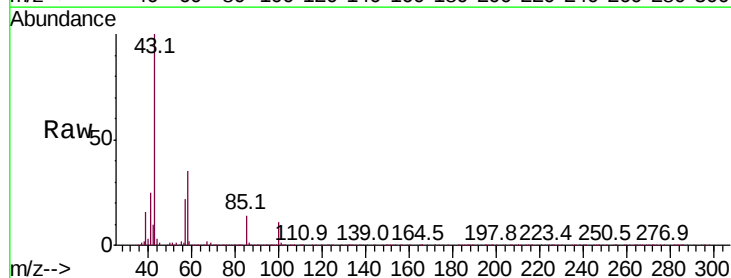
Instrument :
 MSVOA_R
 ClientSampled :

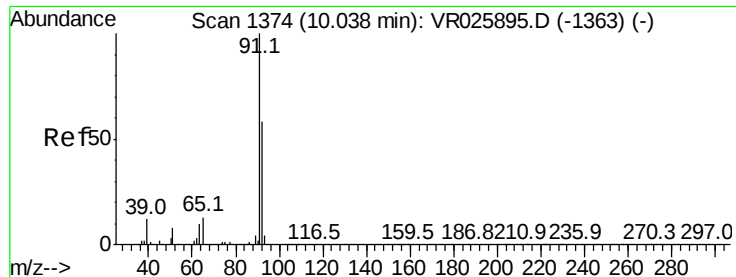
Tot Ion: 75 Resp: 174394
 Ion Ratio Lower Upper
 75 100
 77 29.8 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 44.367 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VR025895.D
 Acq: 28 Sep 2018 10:57

Tgt Ion: 43 Resp: 504641
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.6 43.0
 100 11.4 9.0 13.4





#42

Toluene

Concen: 4.769 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

Instrument :

MSVOA_R

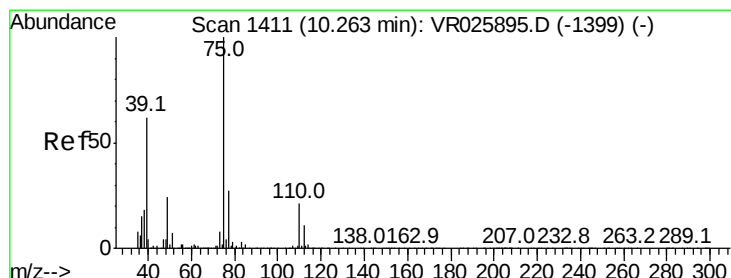
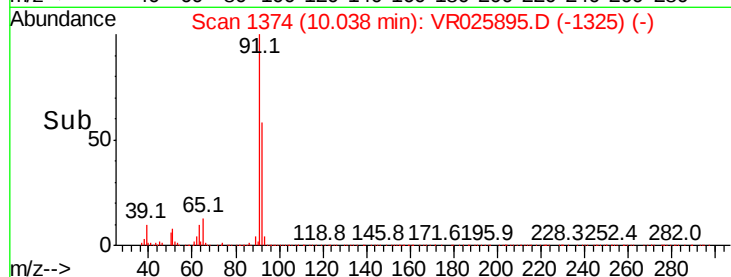
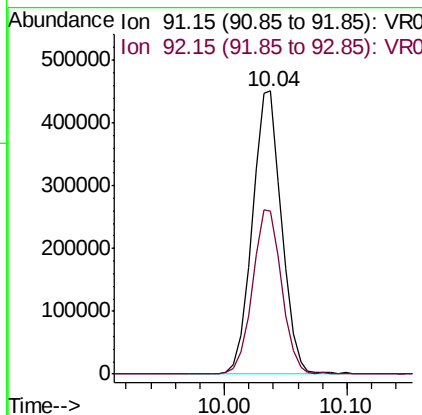
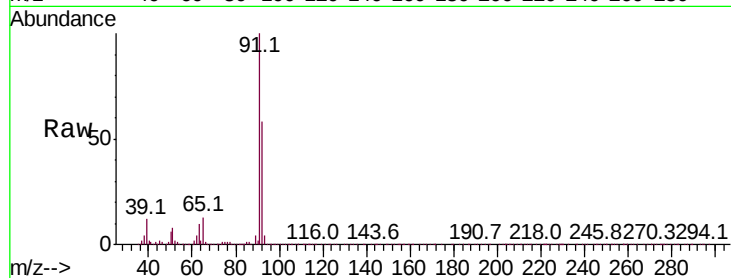
ClientSampled :

Tot Ion: 91 Resp: 747277

Ion Ratio Lower Upper

91 100

92 57.6 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 4.685 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025895.D

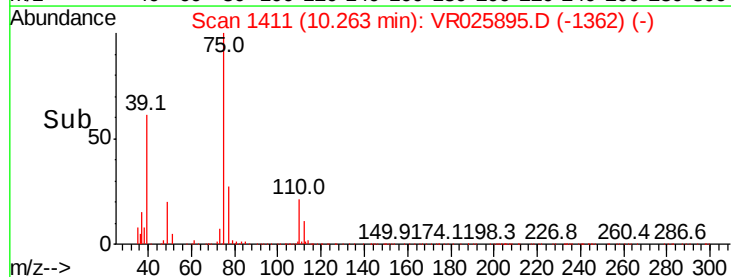
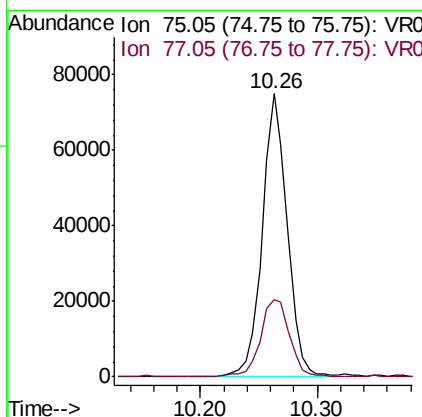
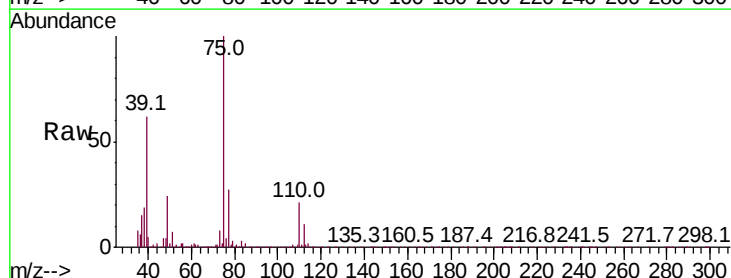
Acq: 28 Sep 2018 10:57

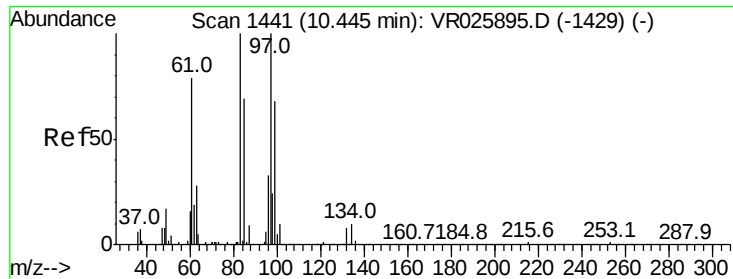
Tgt Ion: 75 Resp: 110929

Ion Ratio Lower Upper

75 100

77 27.3 23.0 42.8

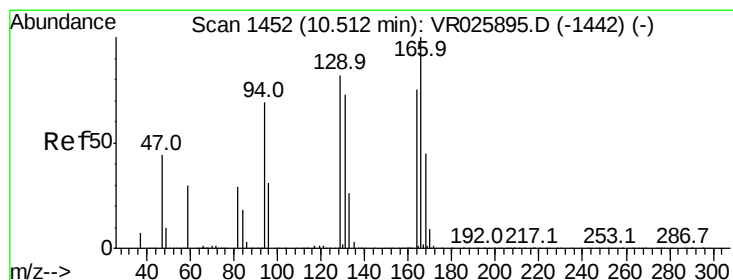
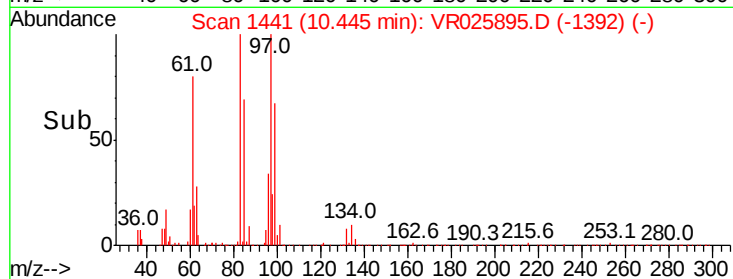
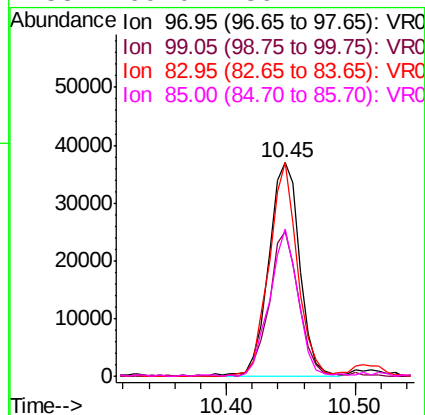
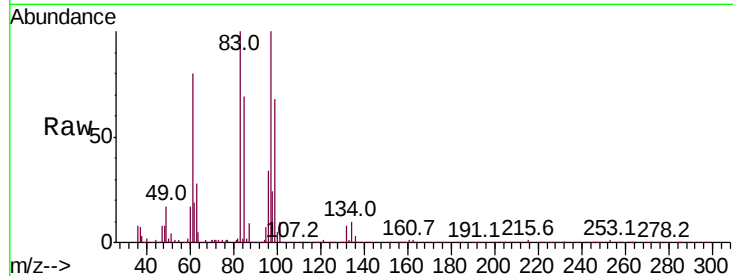




#45
1,1,2-Trichloroethane
Concen: 4.189 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

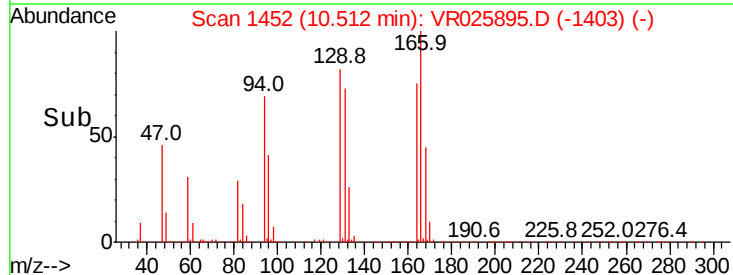
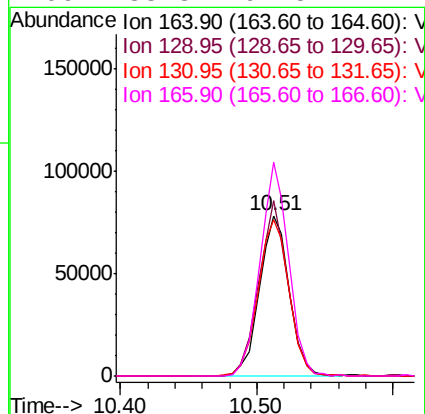
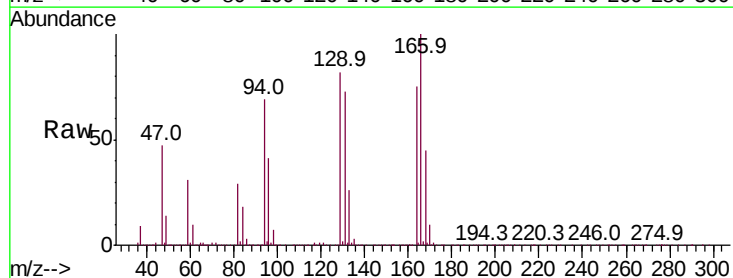
Instrument :
MSVOA_R
ClientSampled :

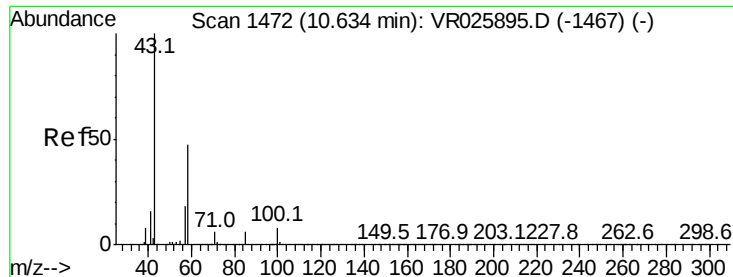
Tot Ion:	97	Resp:	61286
Ion	Ratio	Lower	Upper
97	100		
99	67.6	39.6	73.6
83	100.0	62.2	115.6
85	69.0	39.1	72.7



#47
Tetrachloroethene
Concen: 4.891 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

Tgt Ion:	164	Resp:	119740
Ion	Ratio	Lower	Upper
164	100		
129	109.9	80.8	150.2
131	97.2	74.5	138.3
166	133.3	92.5	171.7

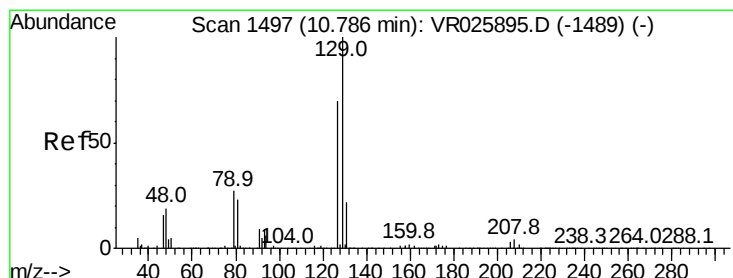
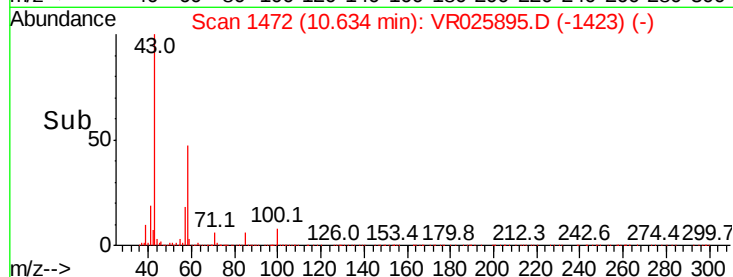
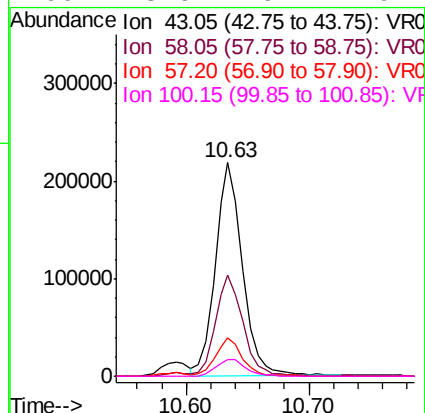
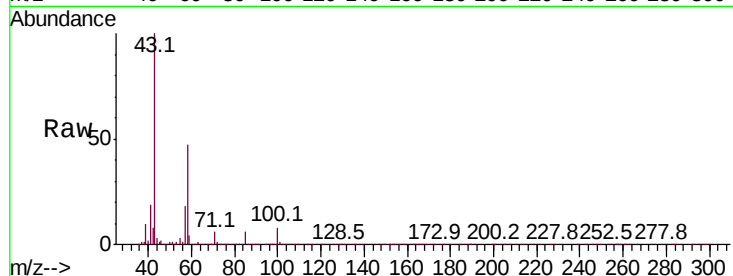




#48
2-Hexanone
Concen: 45.091 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

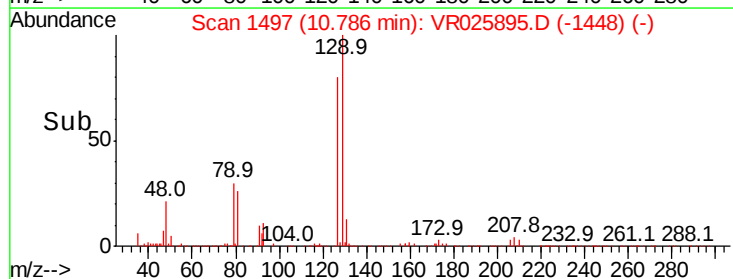
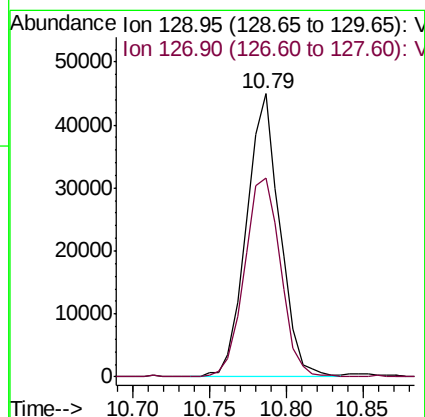
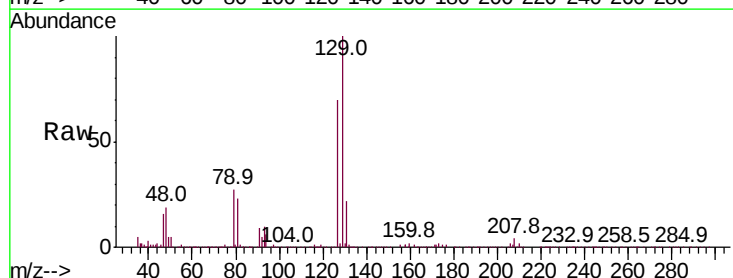
Instrument :
MSVOA_R
ClientSampleId :

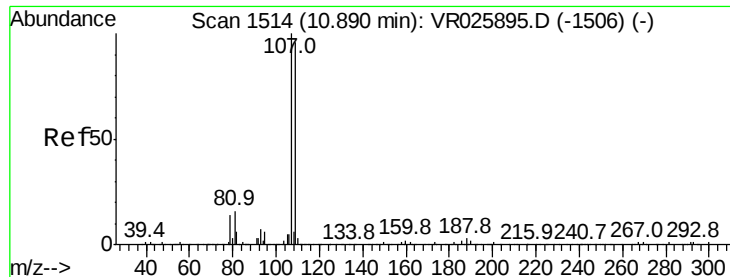
Tot Ion:	43	Resp:	335787
Ion	Ratio	Lower	Upper
43	100		
58	47.5	39.5	59.3
57	17.9	14.6	21.8
100	8.6	6.7	10.1



#49
Dibromochloromethane
Concen: 4.583 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

Tgt Ion:	129	Resp:	68047
Ion	Ratio	Lower	Upper
129	100		
127	70.3	54.1	100.5

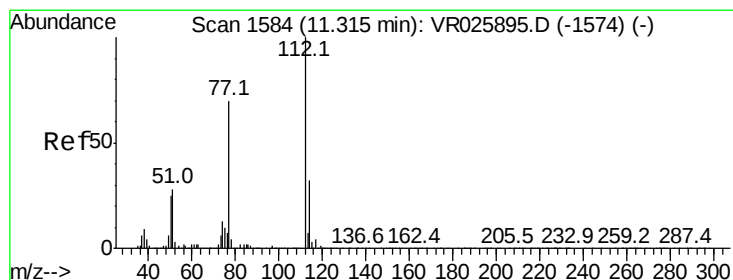
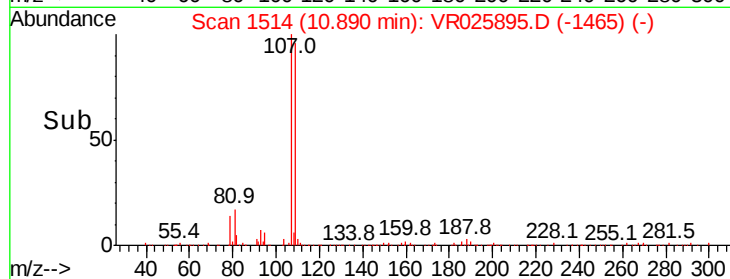
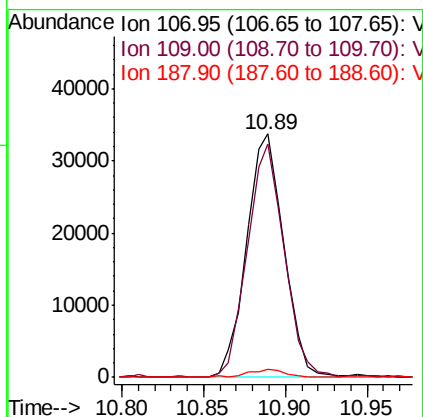
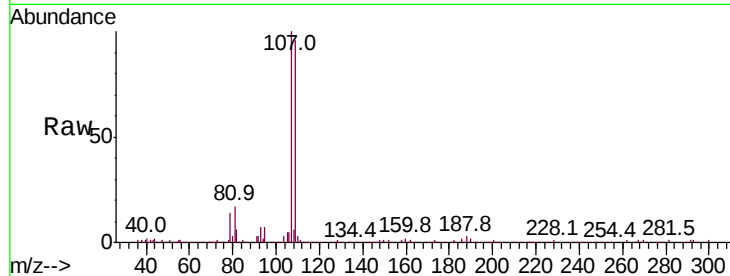




#50
1,2-Dibromoethane
Concen: 4.648 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

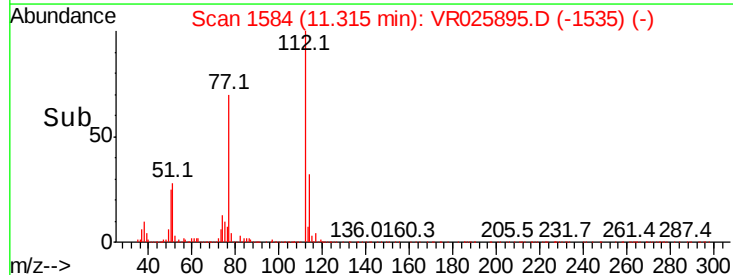
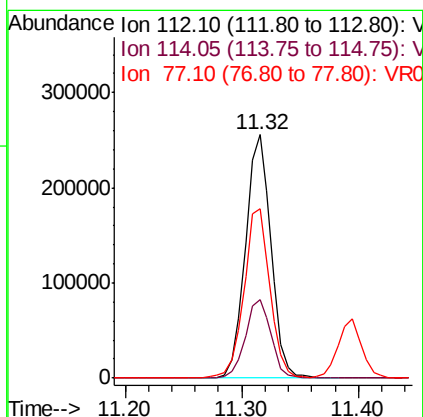
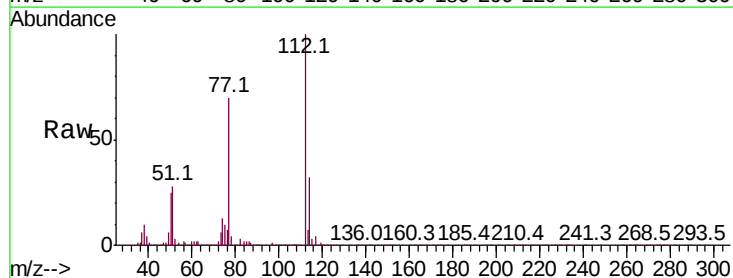
Instrument :
MSVOA_R
ClientSampled :

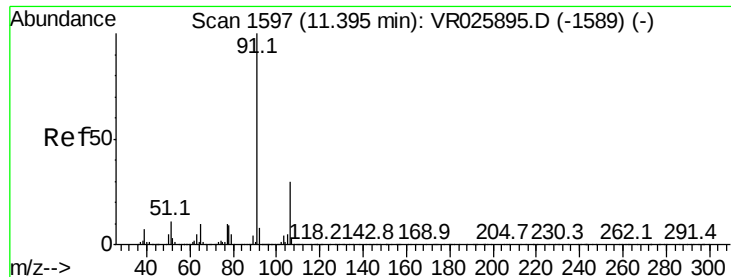
Tot Ion:107 Resp: 53654
Ion Ratio Lower Upper
107 100
109 96.0 63.5 117.9
188 3.3 1.7 2.5#



#51
Chlorobenzene
Concen: 4.684 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

Tgt Ion:112 Resp: 389311
Ion Ratio Lower Upper
112 100
114 32.2 22.7 42.3
77 69.6 58.5 87.7





#52

Ethylbenzene

Concen: 4.947 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

Instrument :

MSVOA_R

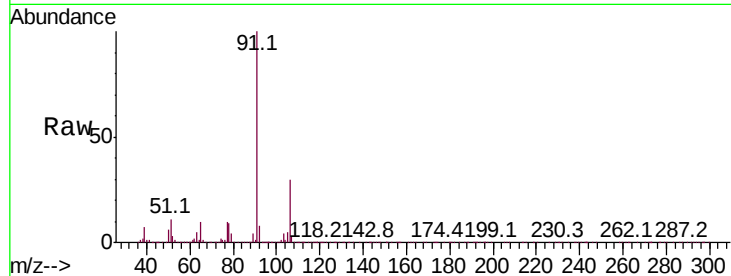
ClientSampleId :

Tot Ion: 91 Resp: 884714

Ion Ratio Lower Upper

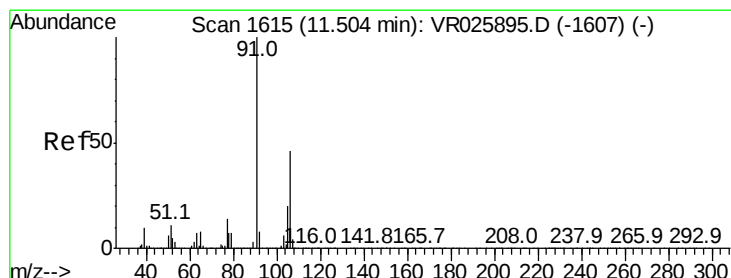
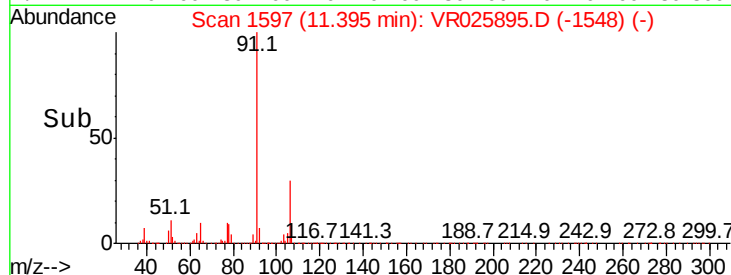
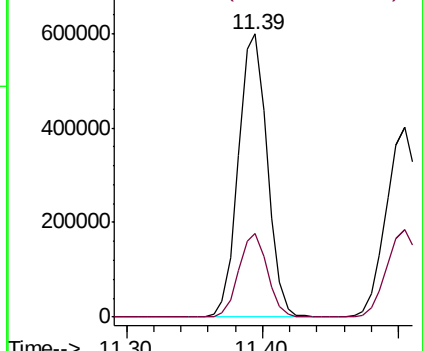
91 100

106 29.7 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 5.001 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025895.D

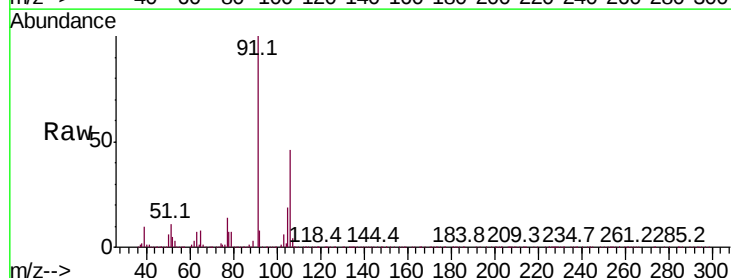
Acq: 28 Sep 2018 10:57

Tgt Ion: 106 Resp: 318388

Ion Ratio Lower Upper

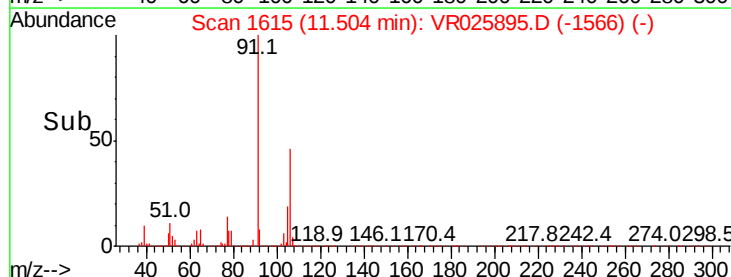
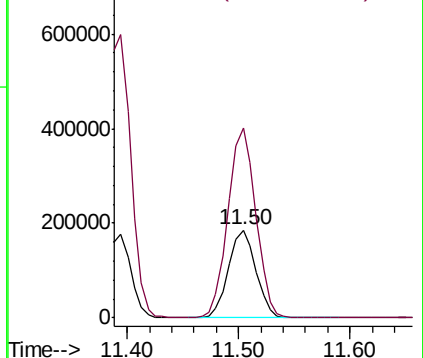
106 100

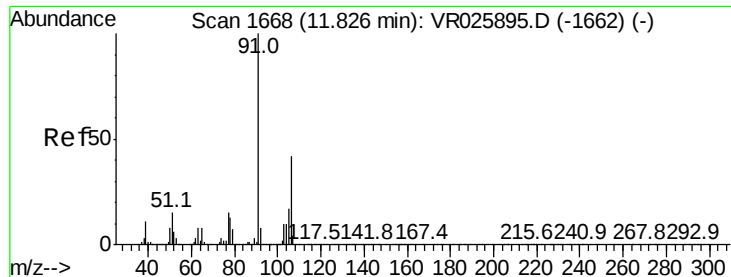
91 215.9 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

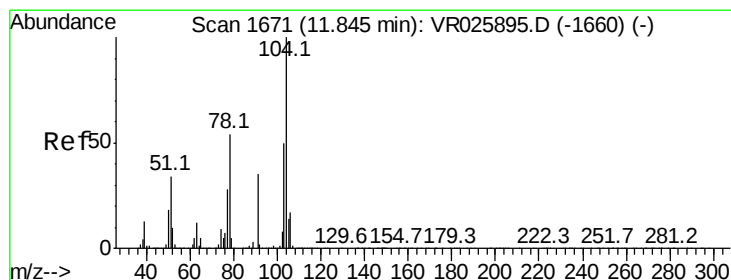
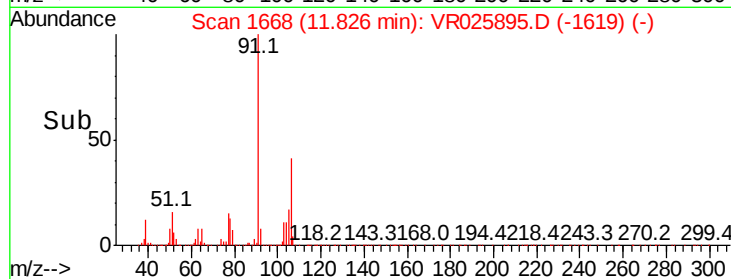
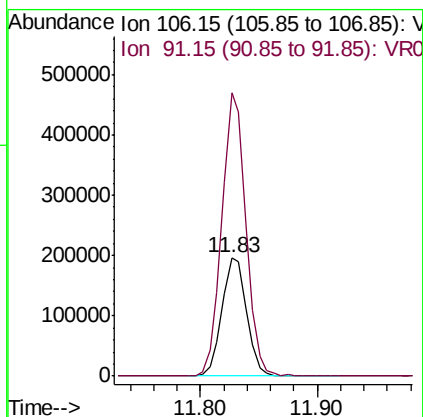
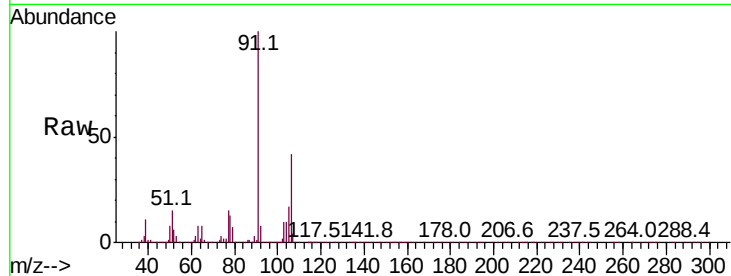




#54
o-Xylene
Concen: 4.838 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

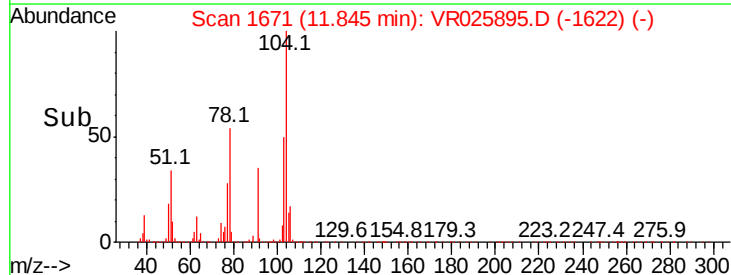
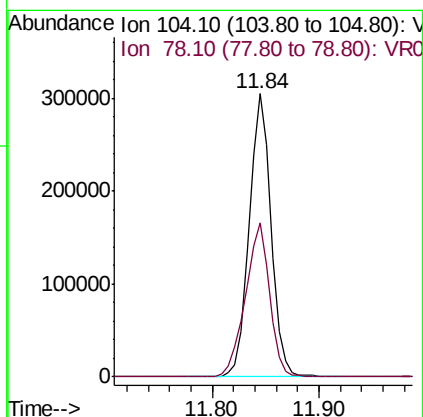
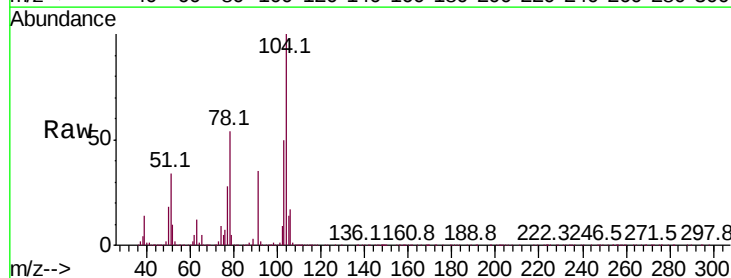
Instrument :
MSVOA_R
ClientSampleId :

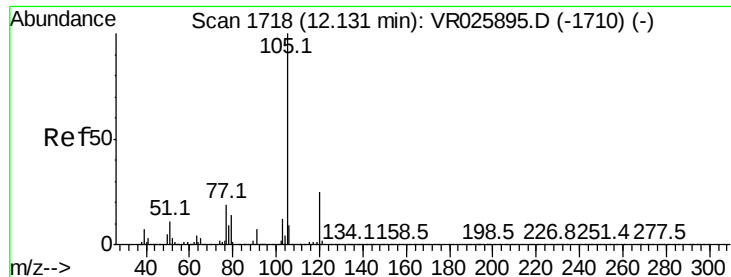
Tot Ion:106 Resp: 286716
Ion Ratio Lower Upper
106 100
91 239.1 164.5 305.5



#55
Styrene
Concen: 4.756 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR025895.D
Acq: 28 Sep 2018 10:57

Tgt Ion:104 Resp: 438680
Ion Ratio Lower Upper
104 100
78 54.4 39.3 72.9





#56

Isopropylbenzene

Concen: 5.147 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

Instrument :

MSVOA_R

ClientSampleId :

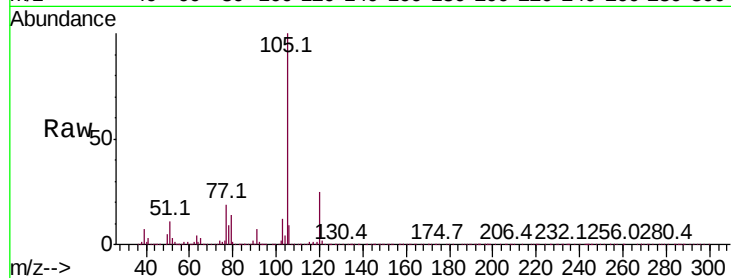
Tot Ion:105 Resp: 841247

Ion Ratio Lower Upper

105 100

120 25.5 19.8 29.8

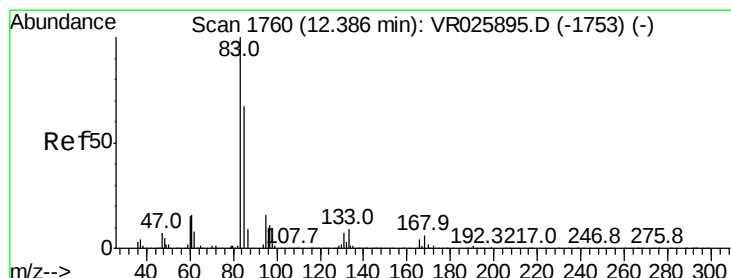
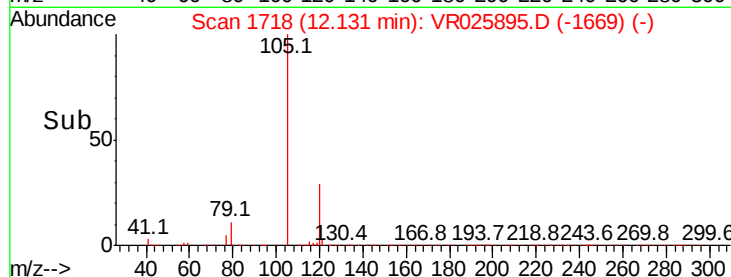
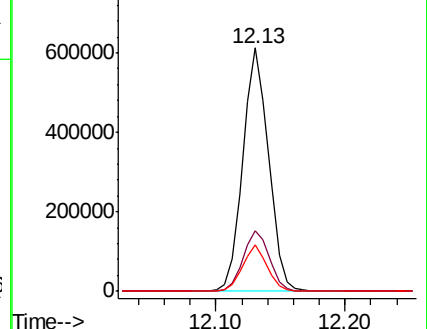
77 18.3 15.5 23.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.410 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

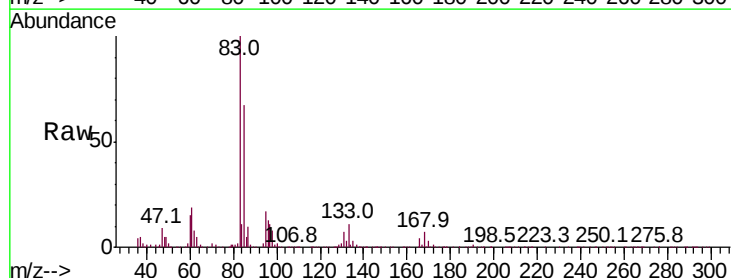
Tgt Ion: 83 Resp: 62166

Ion Ratio Lower Upper

83 100

85 67.2 45.8 85.0

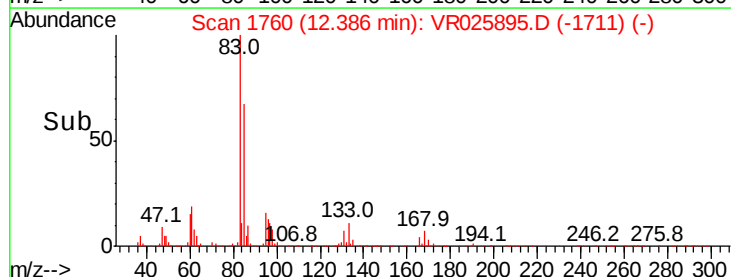
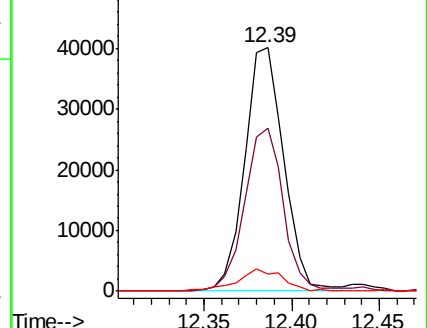
131 7.3 6.6 9.8

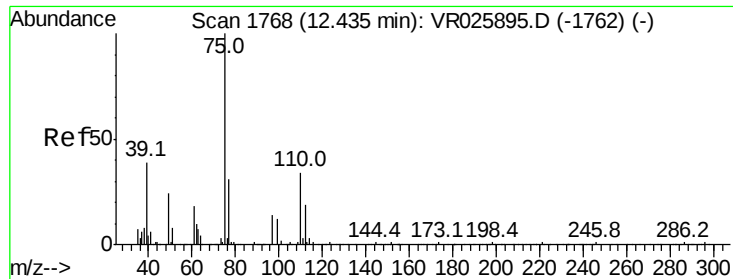


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.373 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

Instrument :

MSVOA_R

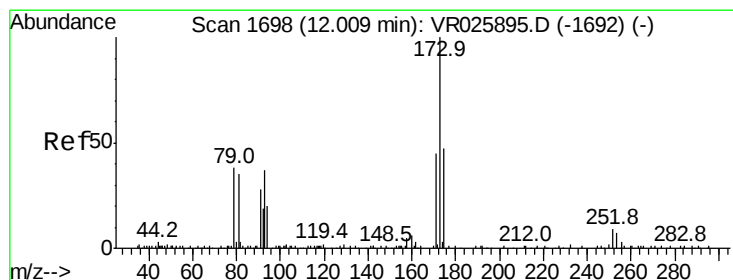
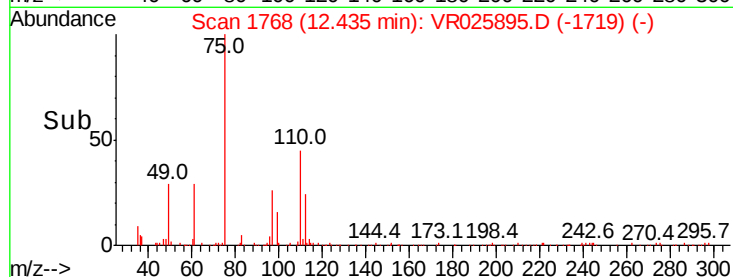
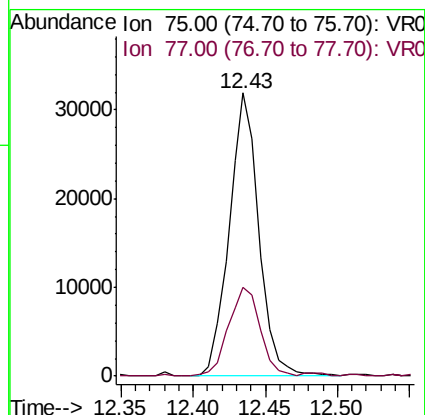
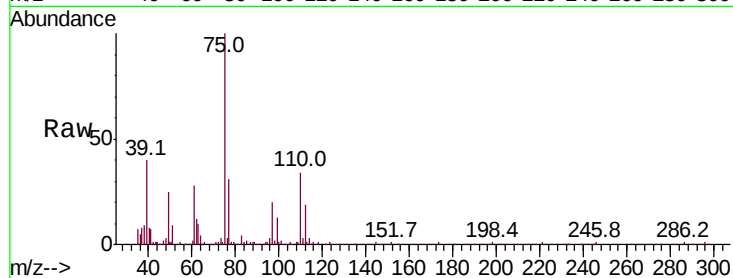
ClientSampleId :

Tot Ion: 75 Resp: 45880

Ion Ratio Lower Upper

75 100

77 33.7 25.8 38.6



#61

Bromoform

Concen: 4.270 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

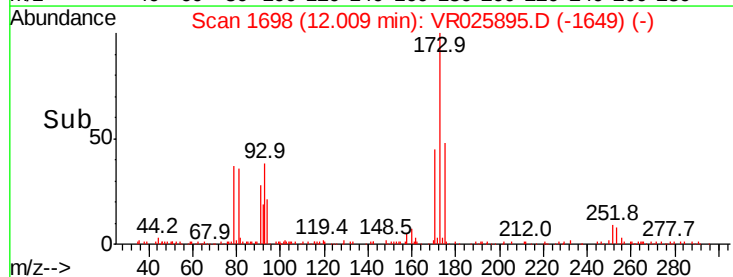
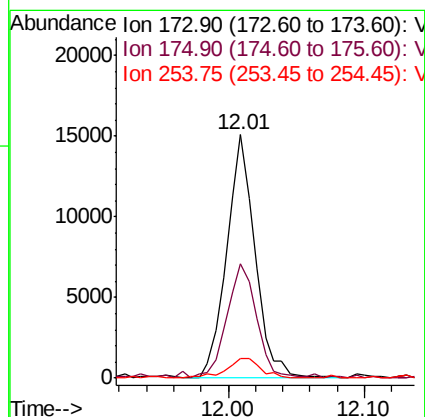
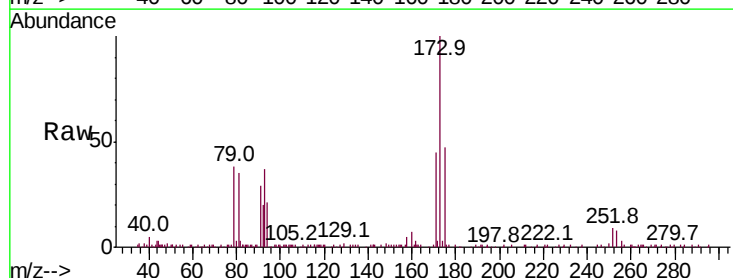
Tgt Ion:173 Resp: 21849

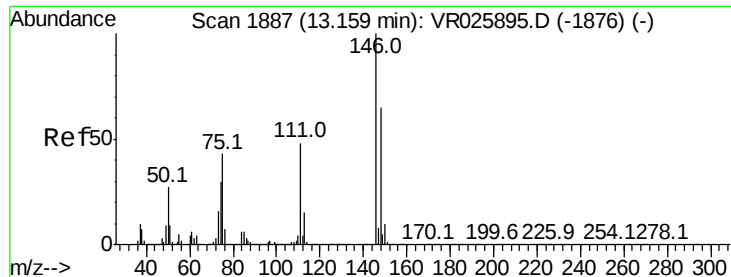
Ion Ratio Lower Upper

173 100

175 48.1 36.9 55.3

254 10.1 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 4.654 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

Instrument :

MSVOA_R

ClientSampleId :

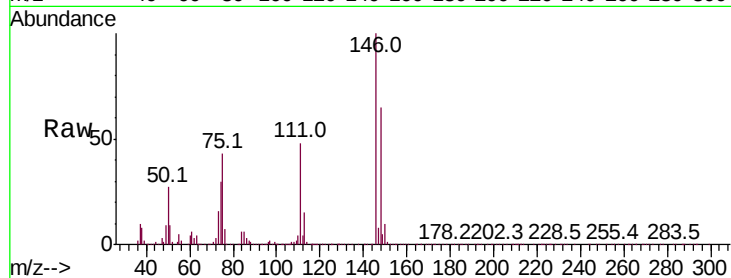
Tot Ion:146 Resp: 230194

Ion Ratio Lower Upper

146 100

111 48.4 36.6 68.0

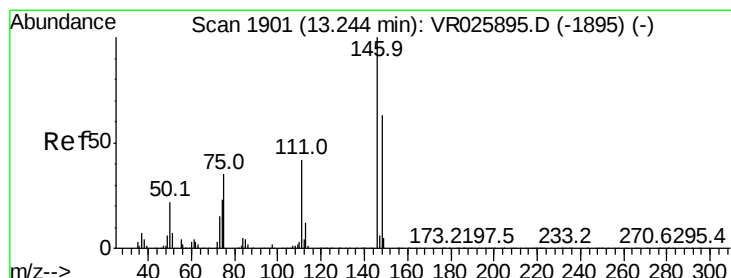
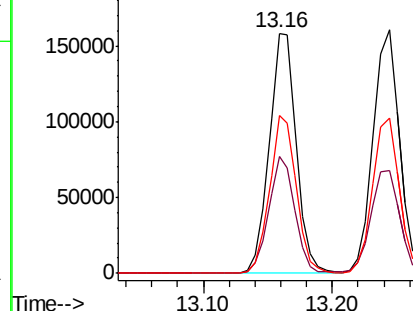
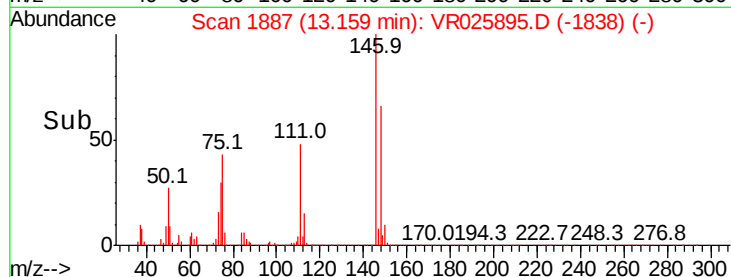
148 65.5 41.9 77.7



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: 4.453 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

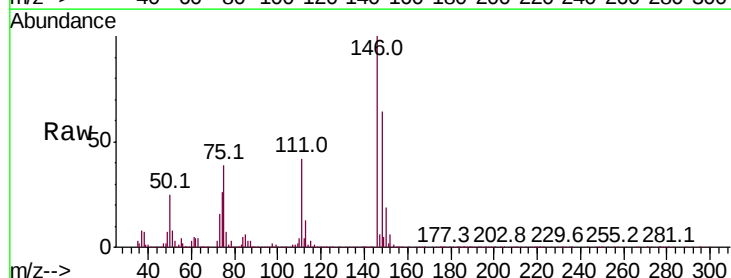
Tgt Ion:146 Resp: 225323

Ion Ratio Lower Upper

146 100

111 42.2 32.9 61.1

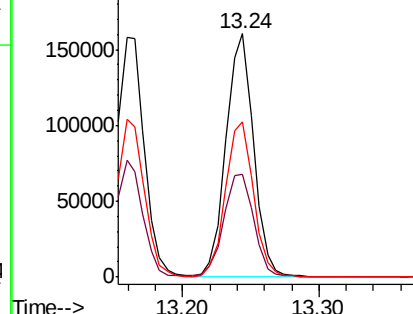
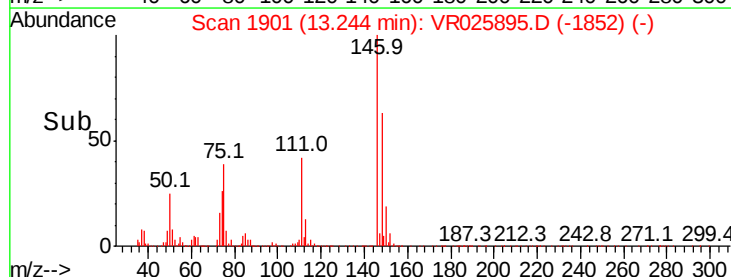
148 63.6 45.5 84.5

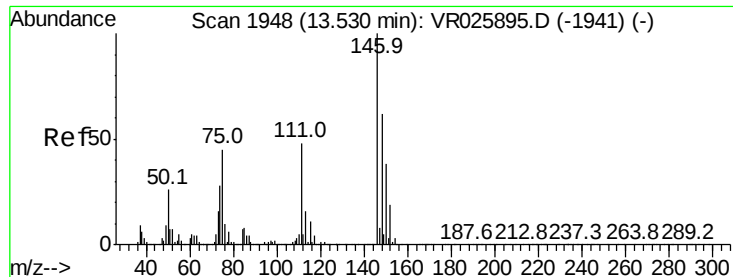


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

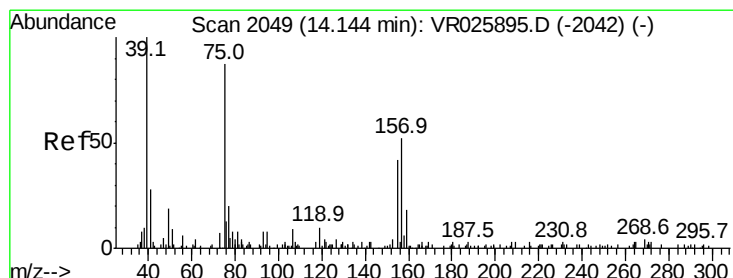
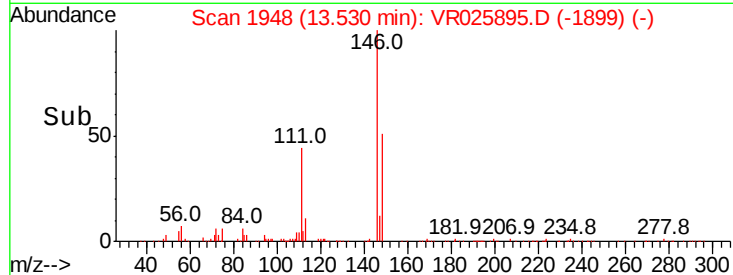
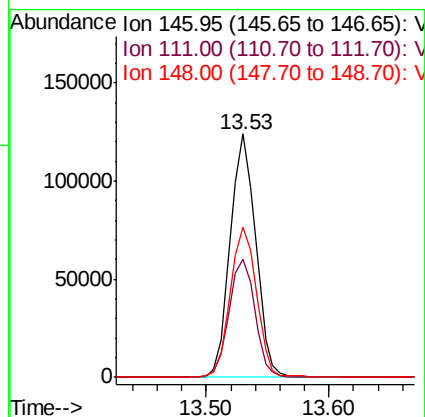
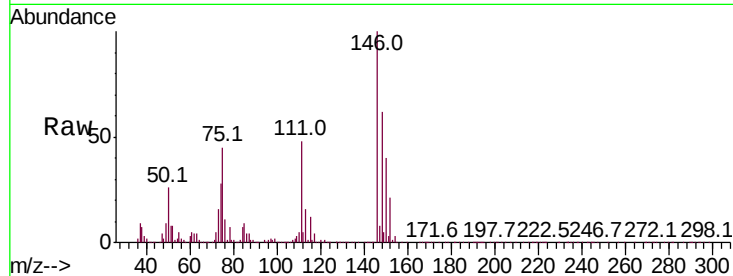




#65
 1,2-Dichlorobenzene
 Concen: 4.472 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR025895.D
 Acq: 28 Sep 2018 10:57

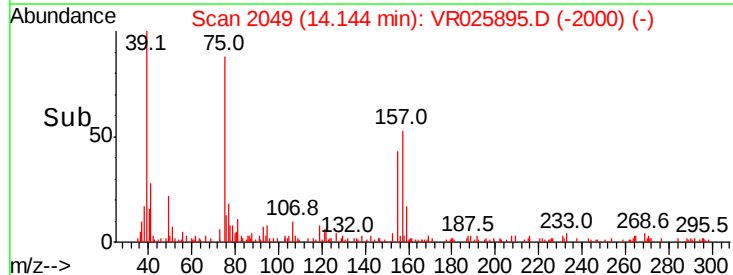
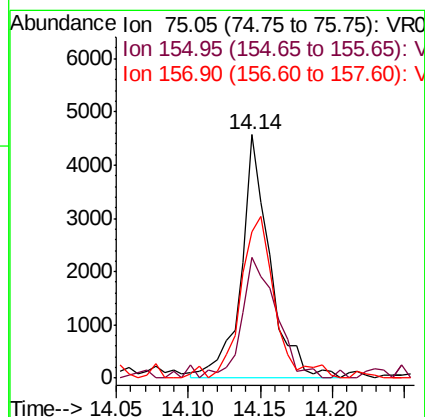
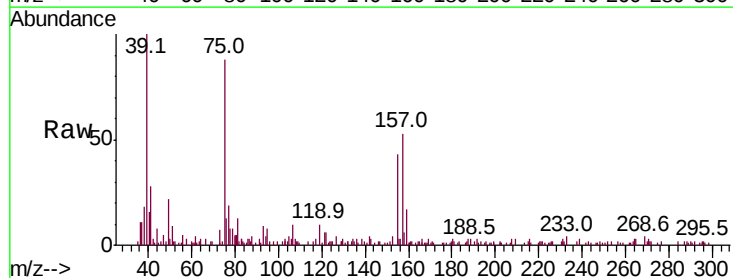
Instrument :
 MSVOA_R
 ClientSampleId :

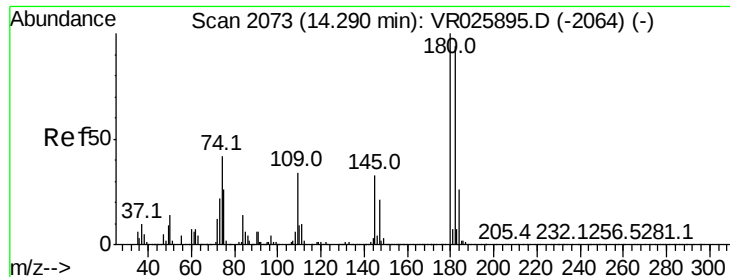
Tot Ion	Ratio	Lower	Upper
146	100		
111	48.3	39.4	59.0
148	61.6	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.775 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR025895.D
 Acq: 28 Sep 2018 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	49.5	37.8	56.6
157	60.4	49.7	74.5

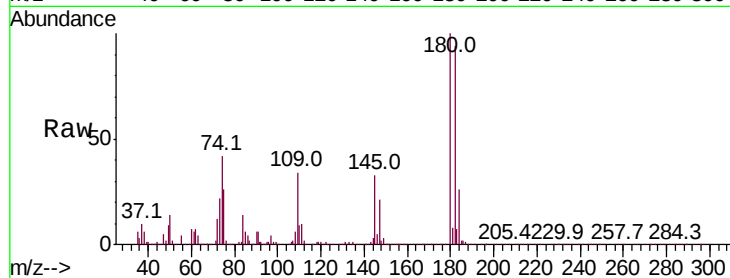




#67
 1,3,5-Trichlorobenzene
 Concen: 4.760 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025895.D
 Acq: 28 Sep 2018 10:57

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	180	Resp:	140243
Ion	Ratio	Lower	Upper
180	100		
182	93.0	77.2	115.8
184	29.0	24.5	36.7
145	33.9	31.1	46.7



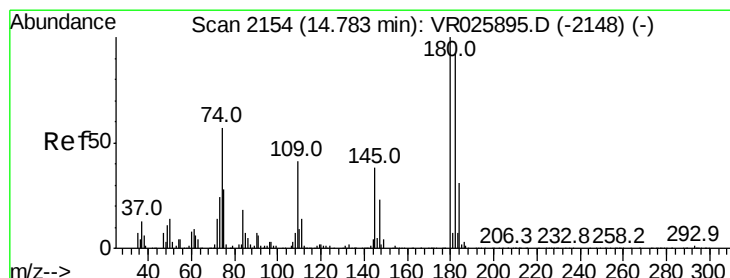
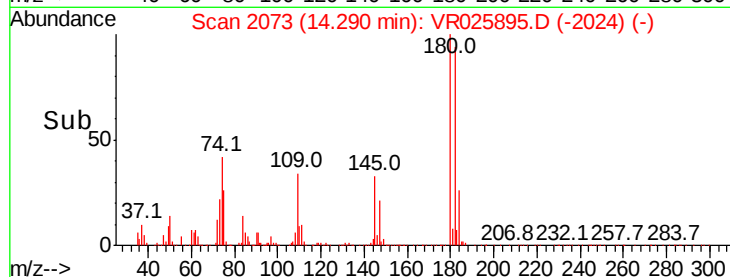
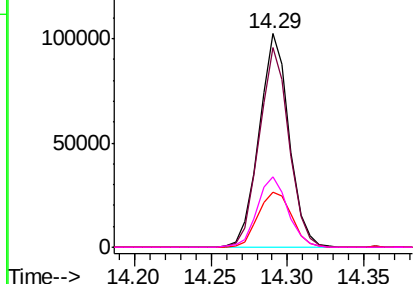
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

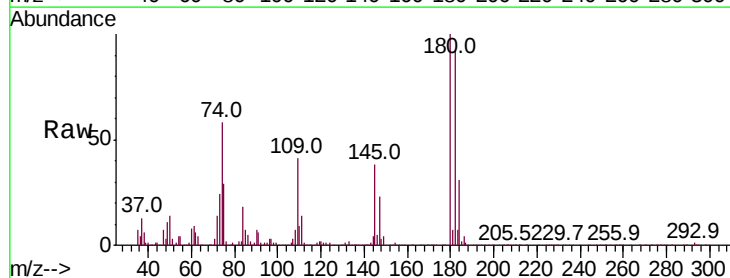
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.385 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR025895.D
 Acq: 28 Sep 2018 10:57

Tgt Ion:	180	Resp:	82367
Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.2	112.8
145	36.7	30.5	45.7

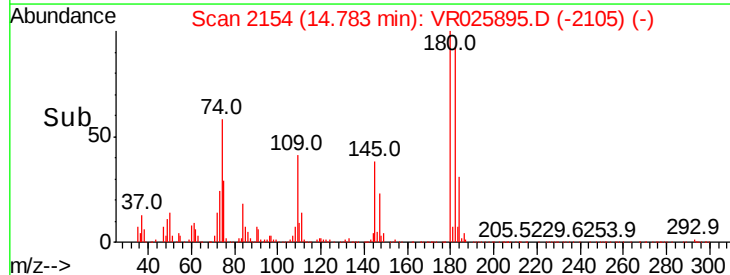
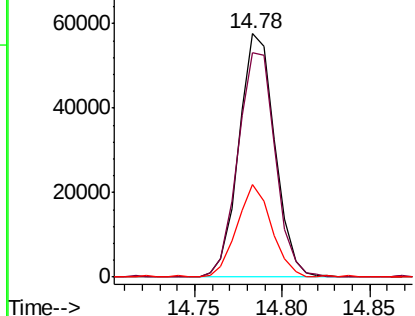


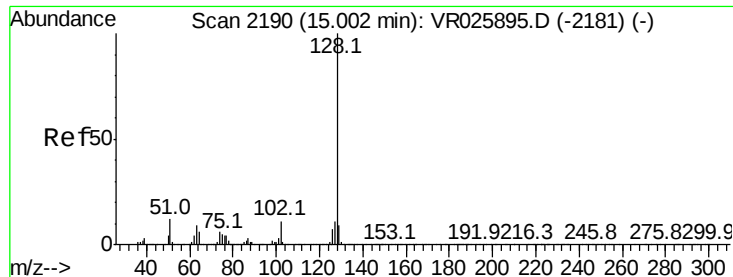
Abundance

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: 4.300 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

Instrument :

MSVOA_R

ClientSampleId :

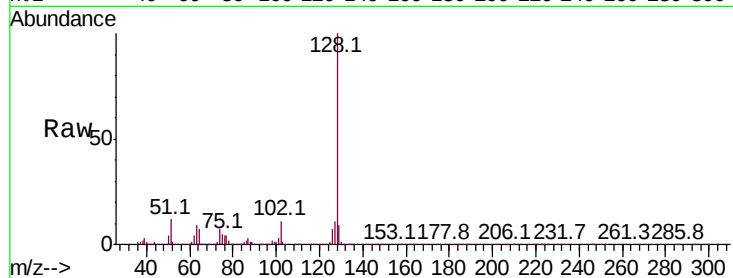
Tot Ion:128 Resp: 103087

Ion Ratio Lower Upper

128 100

127 12.0 10.5 15.7

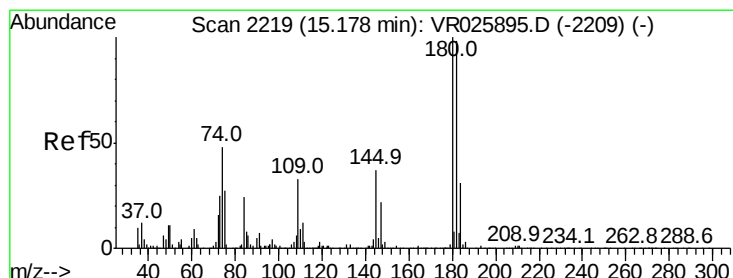
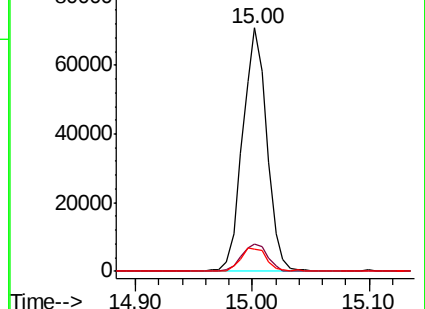
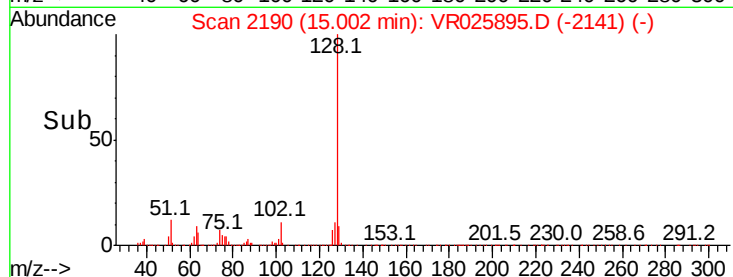
129 10.8 9.4 14.2



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: 4.498 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025895.D

Acq: 28 Sep 2018 10:57

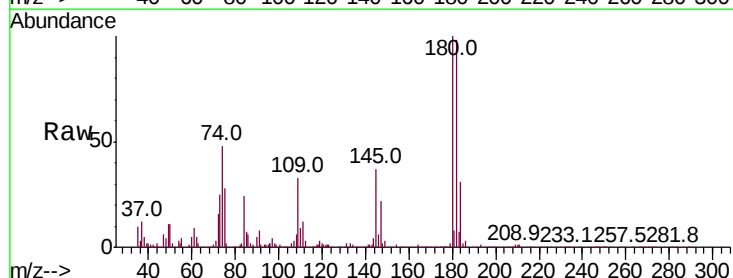
Tgt Ion:180 Resp: 58617

Ion Ratio Lower Upper

180 100

182 95.4 74.7 112.1

145 37.2 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

