

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092718\
 Data File : VR025893.D
 Acq On : 28 Sep 2018 2:03
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Sep 28 05:46:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 28 05:44:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	501726	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	423957	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	159546	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	190791	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	2.63	69	155487	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	3.62	63	441452	4.75	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.00%
20) 2-Butanone-d5	6.59	46	223449	50.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.32%
24) Chloroform-d	7.20	84	331459	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	7.89	65	144257	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	7.85	84	657014	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	8.90	67	178857	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	9.97	98	608970	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	10.24	79	38711	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	10.59	63	167467	50.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.76%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76130	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	118396	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	135303	4.437 ug/L	99
3) Chloromethane	2.01	50	205256	4.733 ug/L	99
5) Vinyl chloride	2.17	62	204975	4.749 ug/L	95
6) Bromomethane	2.52	94	127036	4.714 ug/L	98
8) Chloroethane	2.66	64	125918	5.127 ug/L	94
9) Trichlorofluoromethane	2.93	101	124293	2.074 ug/L #	46
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	173782	4.744 ug/L	93
12) 1,1-Dichloroethene	3.63	96	100235	2.647 ug/L	81
13) Acetone	3.70	43	143680	44.943 ug/L	97
14) Carbon disulfide	3.94	76	451481	4.924 ug/L	100
15) Methyl Acetate	4.20	43	39949	4.507 ug/L	99
16) Methylene chloride	4.40	84	170604	4.899 ug/L	94
17) Methyl tert-butyl Ether	4.89	73	204652	4.880 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	155435	4.962 ug/L	91
19) 1,1-Dichloroethane	5.69	63	298561	4.814 ug/L	98
21) 2-Butanone	6.69	43	208202	47.349 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	151750	4.815 ug/L #	99

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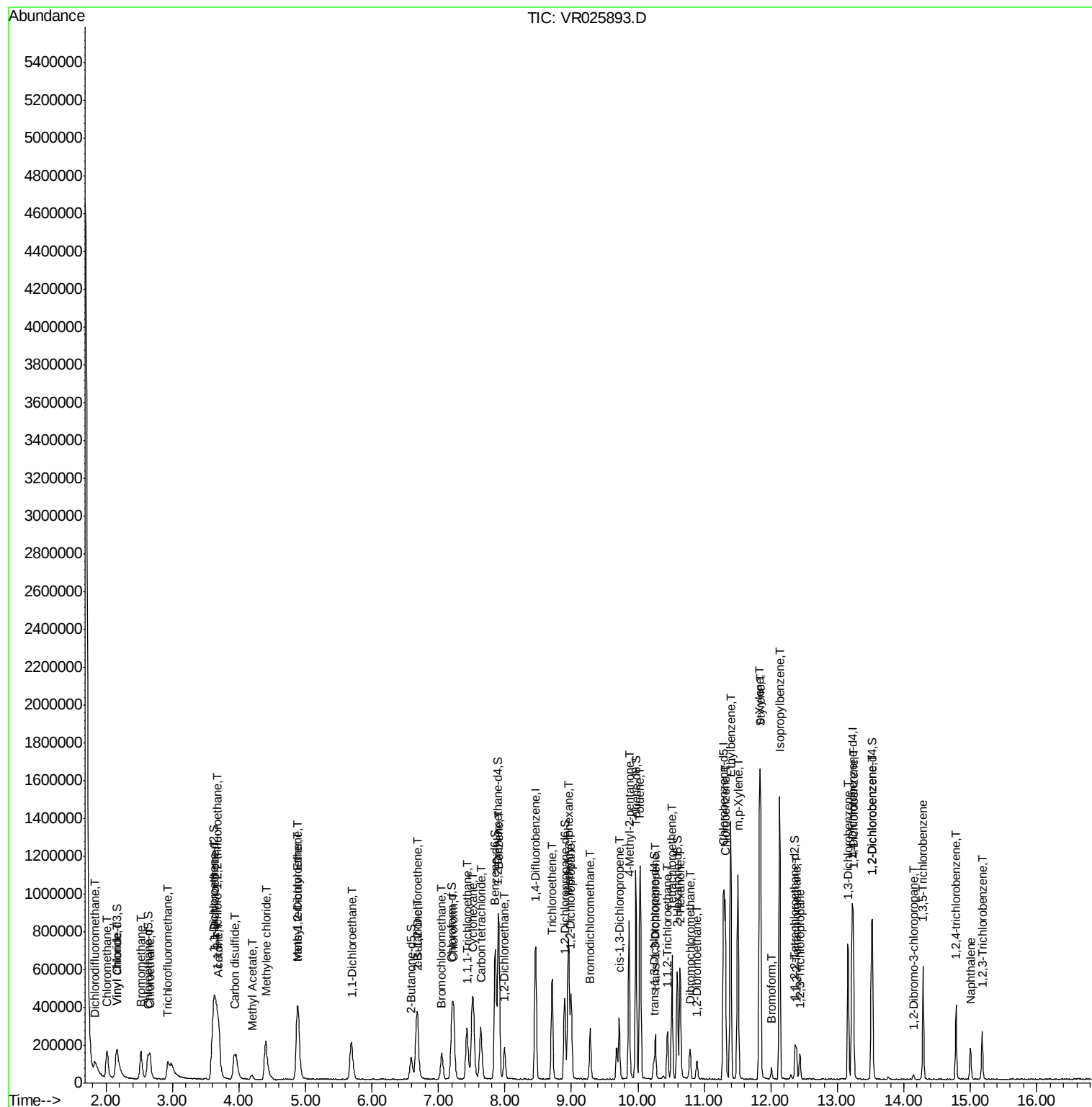
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.06	128	43197	5.052	ug/L	77
25) Chloroform	7.23	83	291001	4.819	ug/L	100
27) 1,2-Dichloroethane	7.99	62	146364	4.857	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	230580	4.836	ug/L	97
30) Cyclohexane	7.51	56	289459	4.859	ug/L	98
31) Carbon tetrachloride	7.63	117	204995	4.965	ug/L	100
33) Benzene	7.91	78	684630	4.815	ug/L	100
34) Trichloroethene	8.71	95	172740	4.610	ug/L	96
35) Methylcyclohexane	8.95	83	272821	4.843	ug/L	99
37) 1,2-Dichloropropane	8.99	63	149607	4.904	ug/L	98
38) Bromodichloromethane	9.28	83	158071	4.803	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	158105	4.622	ug/L	96
40) 4-Methyl-2-pentanone	9.87	43	536374	50.003	ug/L	98
42) Toluene	10.03	91	718629	4.863	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	104326	4.672	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	63039	4.569	ug/L	97
47) Tetrachloroethene	10.51	164	110262	4.776	ug/L	92
48) 2-Hexanone	10.63	43	348399	49.608	ug/L	99
49) Dibromochloromethane	10.79	129	67496	4.820	ug/L	96
50) 1,2-Dibromoethane	10.89	107	54680	5.022	ug/L	93
51) Chlorobenzene	11.32	112	379863	4.847	ug/L	98
52) Ethylbenzene	11.39	91	839451	4.977	ug/L	98
53) m,p-Xylene	11.50	106	297972	4.963	ug/L	90
54) o-Xylene	11.83	106	278003	4.974	ug/L	99
55) Styrene	11.84	104	435238	5.004	ug/L	91
56) Isopropylbenzene	12.13	105	783997	5.086	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	64612	4.860	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	48890	4.941	ug/L	97
61) Bromoform	12.01	173	20462	4.242	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	220473	4.728	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	220298	4.618	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	172205	4.596	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	6174	3.919	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.29	180	126977	4.571	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	80274	4.534	ug/L	98
69) Naphthalene	15.00	128	107860	4.773	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	57024	4.642	ug/L	99

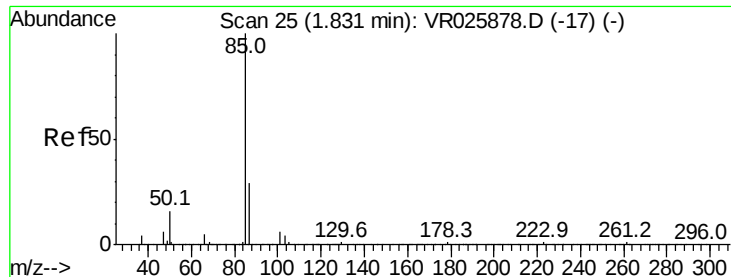
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.437 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

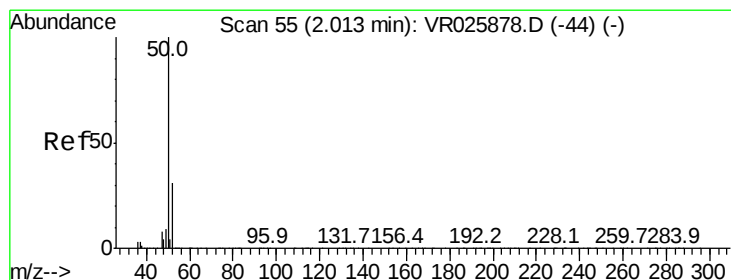
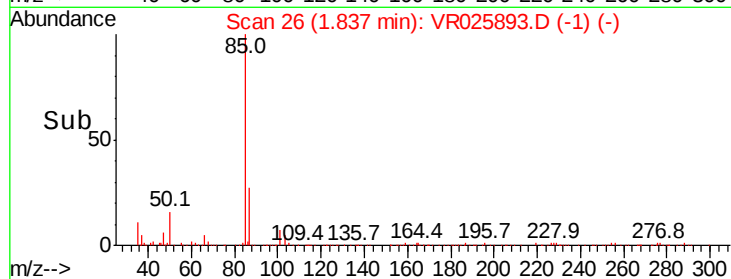
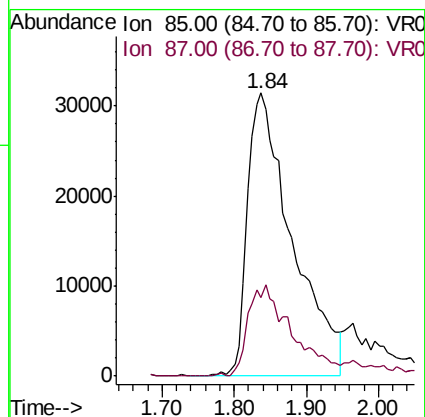
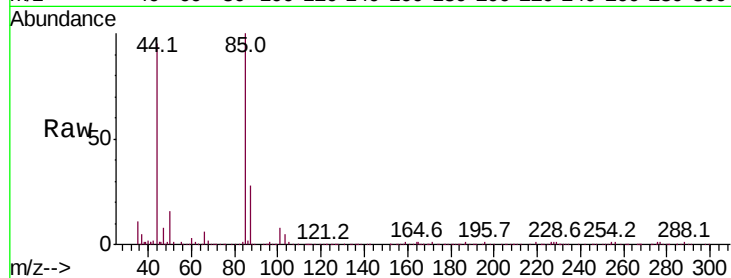
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 85 Resp: 135303

Ion Ratio Lower Upper

85 100

87 30.9 25.1 37.7



#3

Chloromethane

Concen: 4.733 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR025893.D

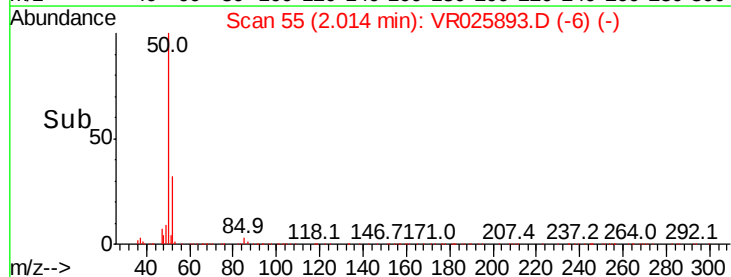
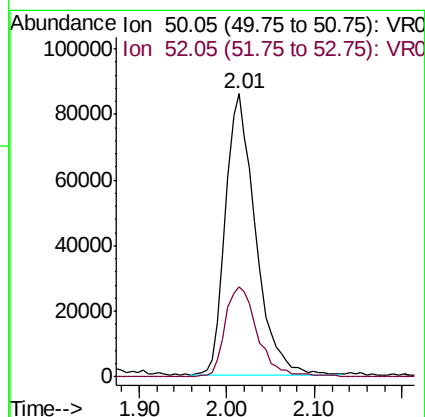
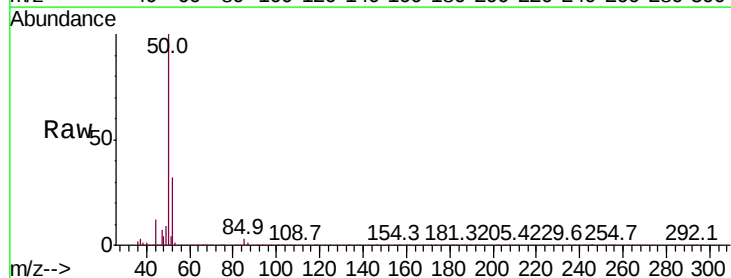
Acq: 28 Sep 2018 2:03

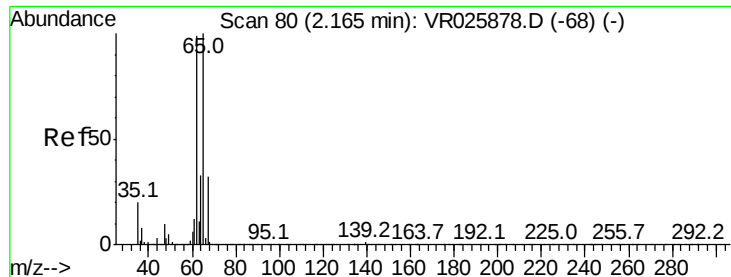
Tgt Ion: 50 Resp: 205256

Ion Ratio Lower Upper

50 100

52 32.0 22.1 41.1





#5

Vinyl chloride

Concen: 4.749 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Instrument :

MSVOA_R

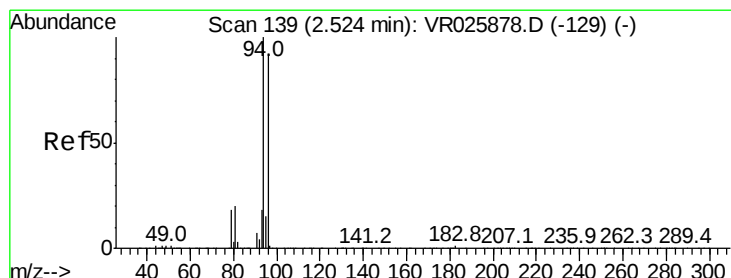
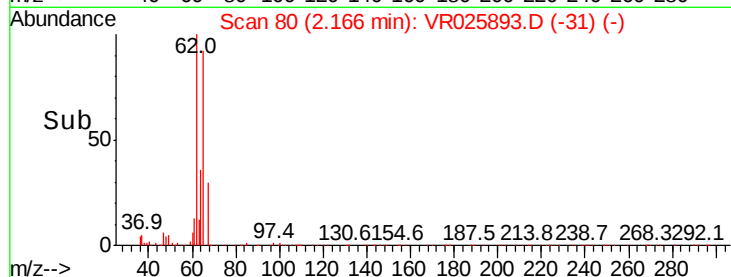
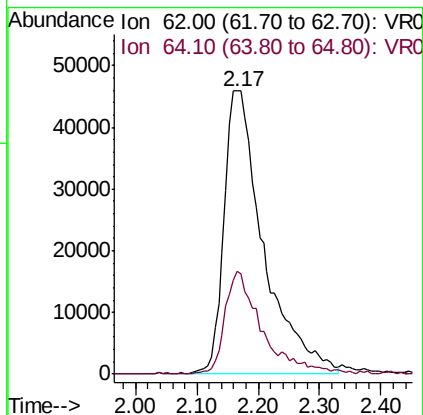
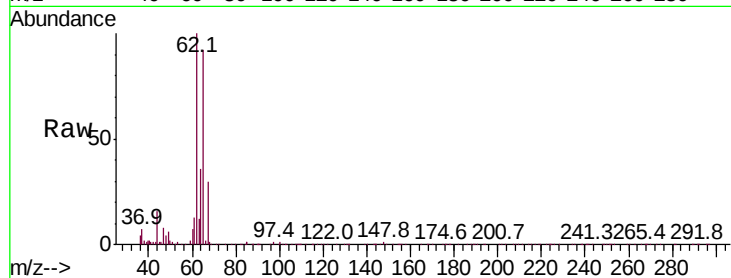
ClientSampleId :

Tot Ion: 62 Resp: 204975

Ion Ratio Lower Upper

62 100

64 36.2 23.5 43.7



#6

Bromomethane

Concen: 4.714 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR025893.D

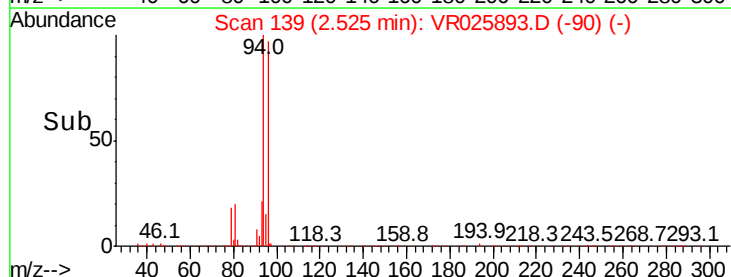
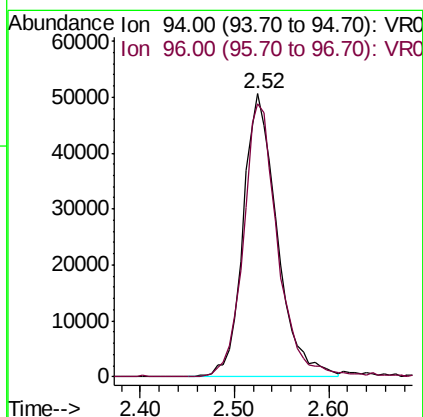
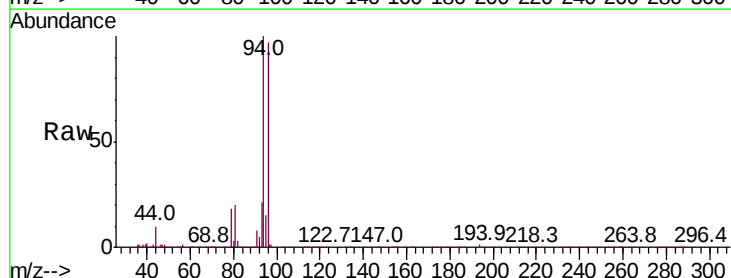
Acq: 28 Sep 2018 2:03

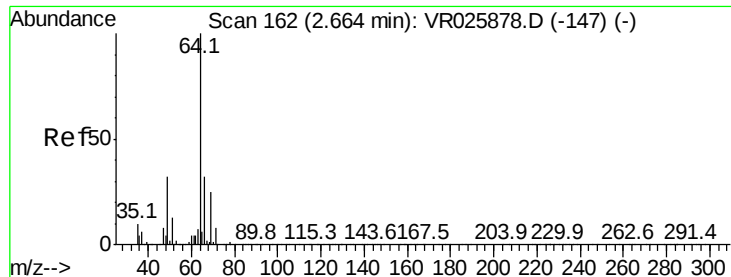
Tgt Ion: 94 Resp: 127036

Ion Ratio Lower Upper

94 100

96 96.6 66.1 122.8

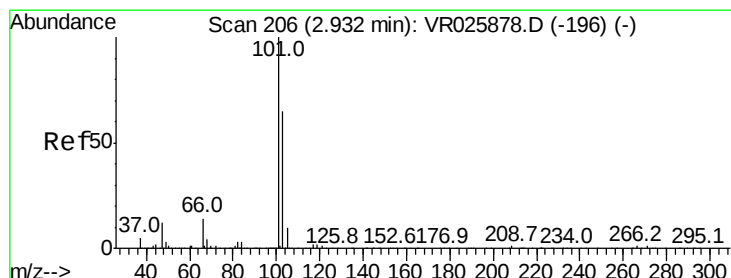
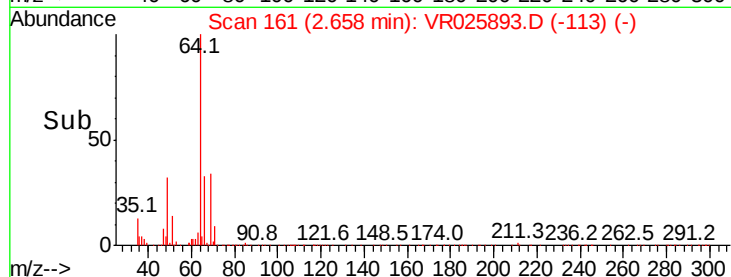
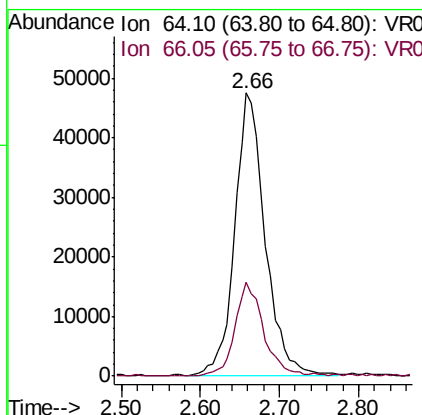
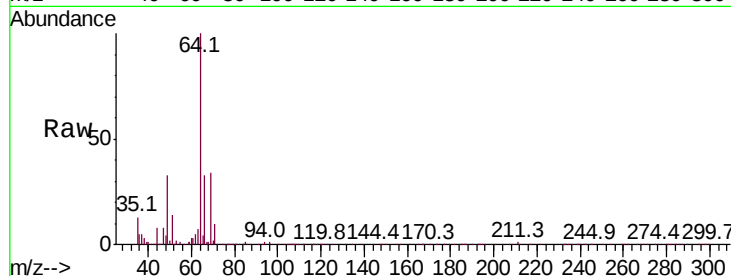




#8
Chloroethane
Concen: 5.127 ug/L
RT: 2.66 min Scan# 161
Delta R.T. -0.01 min
Lab File: VR025893.D
Acq: 28 Sep 2018 2:03

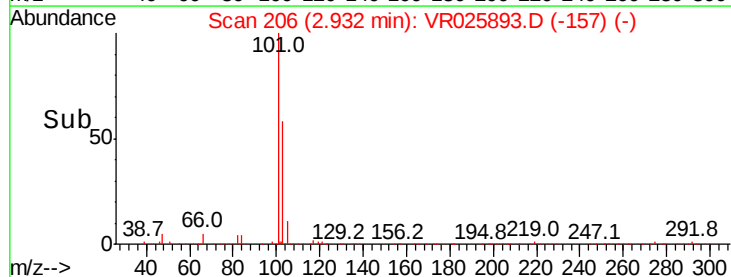
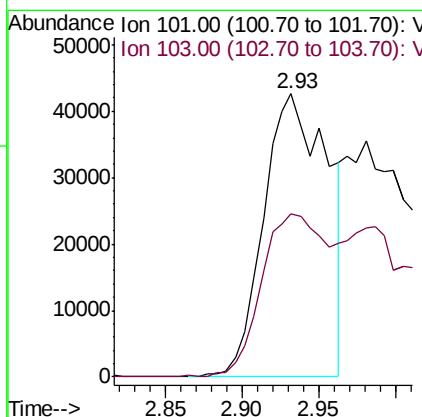
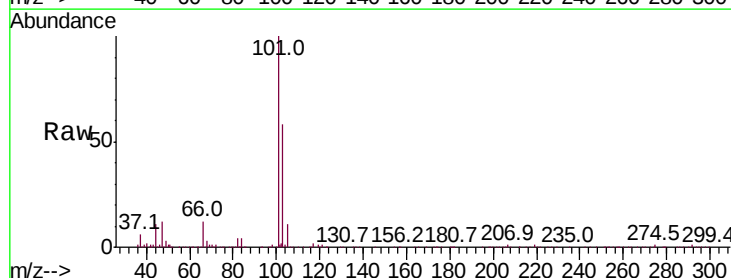
Instrument :
MSVOA_R
ClientSampleId :

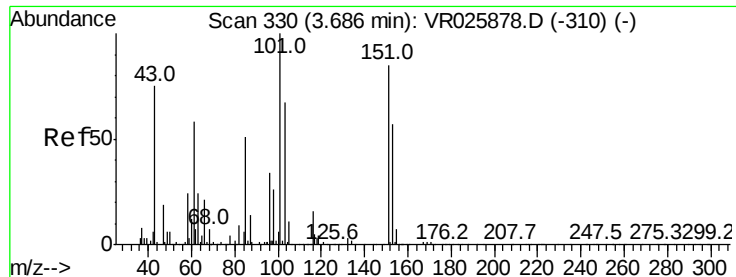
Tot Ion: 64 Resp: 125918
Ion Ratio Lower Upper
64 100
66 33.4 21.3 39.5



#9
Trichlorofluoromethane
Concen: 2.074 ug/L
RT: 2.93 min Scan# 206
Delta R.T. 0.00 min
Lab File: VR025893.D
Acq: 28 Sep 2018 2:03

Tgt Ion:101 Resp: 124293
Ion Ratio Lower Upper
101 100
103 55.8 22.1 33.1#





#10

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

Concen: 4.744 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.00 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Instrument :

MSVOA_R

ClientSampled :

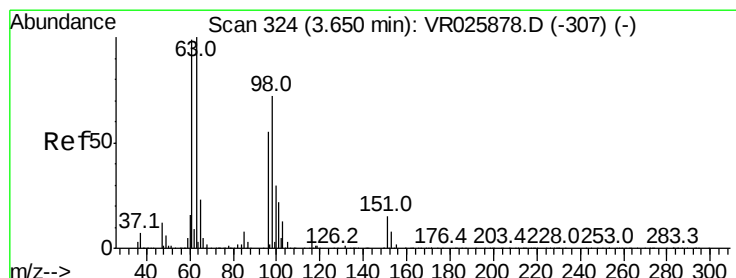
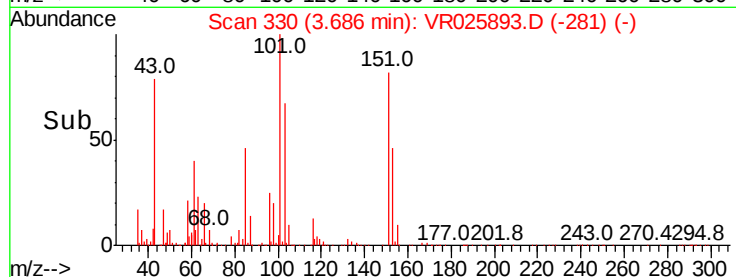
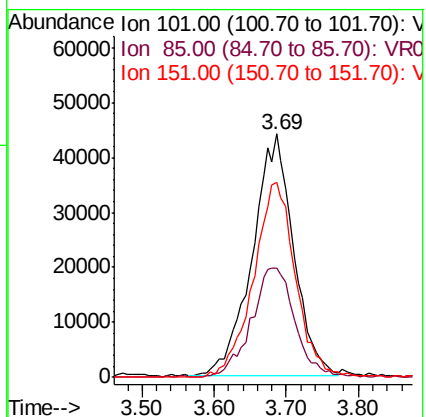
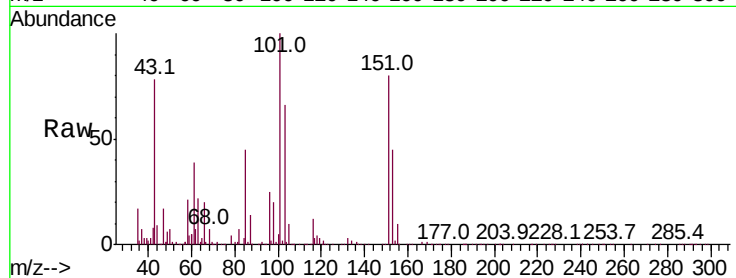
Tot Ion:101 Resp: 173782

Ion Ratio Lower Upper

101 100

85 48.3 38.2 57.4

151 82.8 58.4 87.6



#12

1,1-Dichloroethene

Concen: 2.647 ug/L

RT: 3.63 min Scan# 321

Delta R.T. -0.02 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

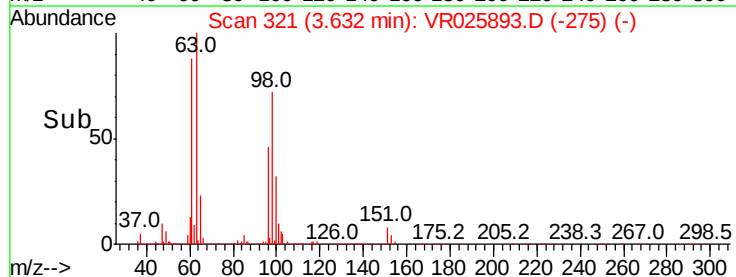
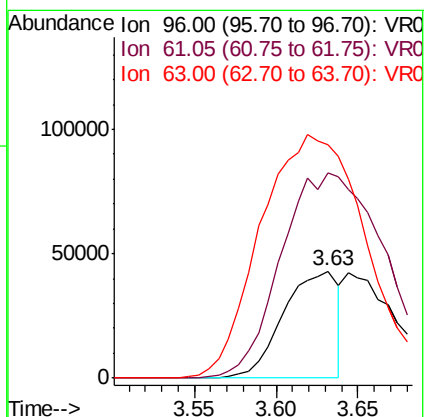
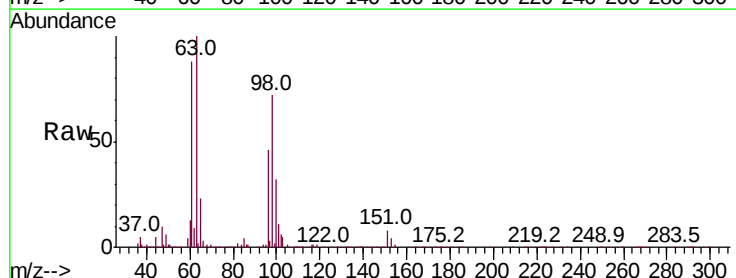
Tgt Ion: 96 Resp: 100235

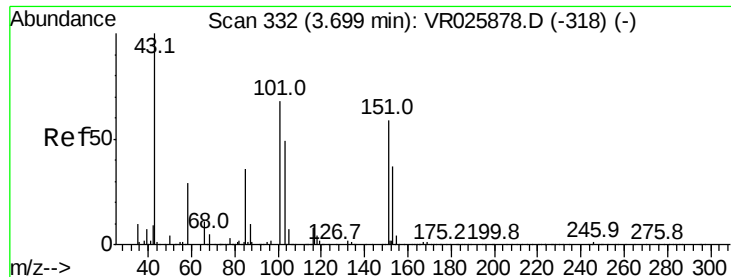
Ion Ratio Lower Upper

96 100

61 191.9 145.0 269.4

63 217.7 123.8 230.0





#13

Acetone

Concen: 44.943 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.00 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

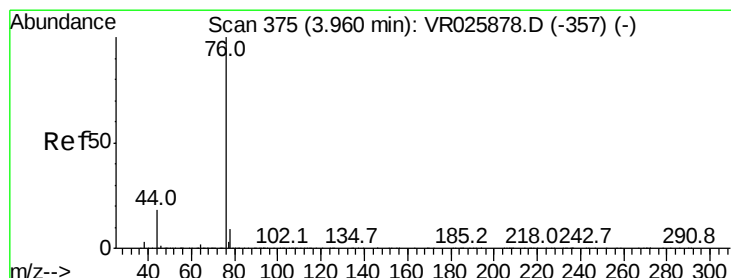
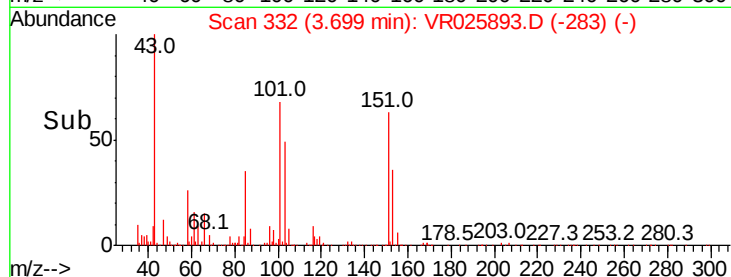
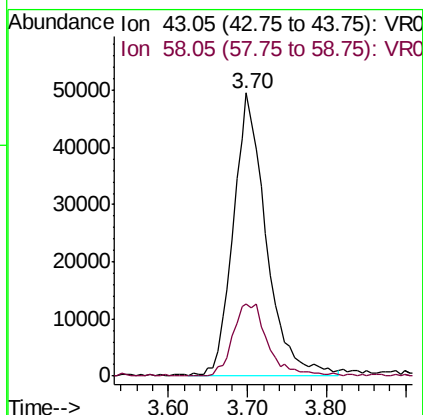
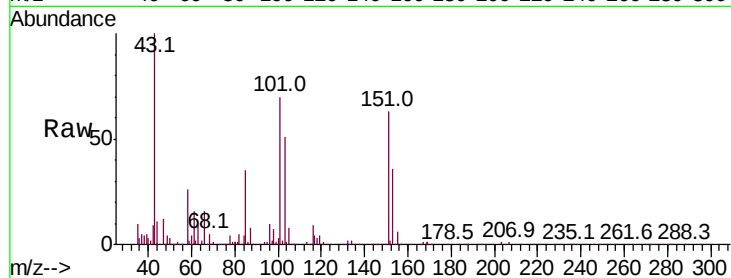
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 143680

Ion Ratio Lower Upper

43 100

58 27.2 0.0 51.4



#14

Carbon disulfide

Concen: 4.924 ug/L

RT: 3.94 min Scan# 371

Delta R.T. -0.02 min

Lab File: VR025893.D

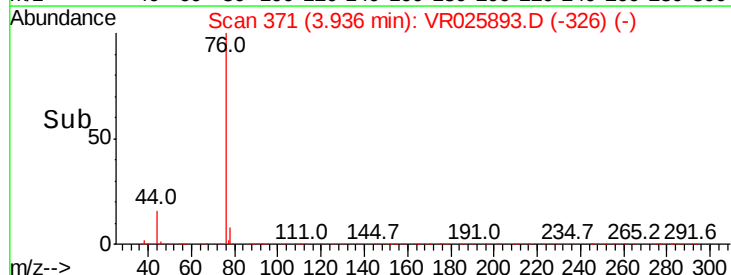
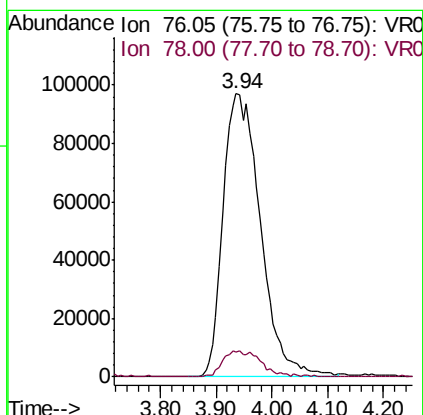
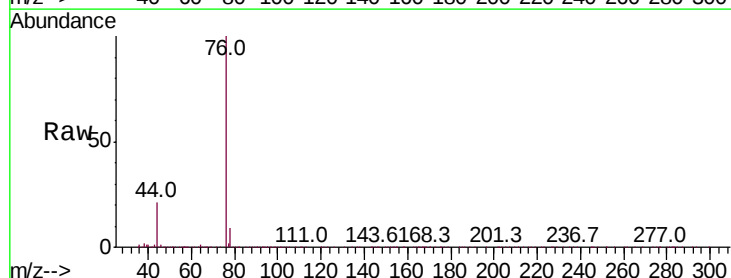
Acq: 28 Sep 2018 2:03

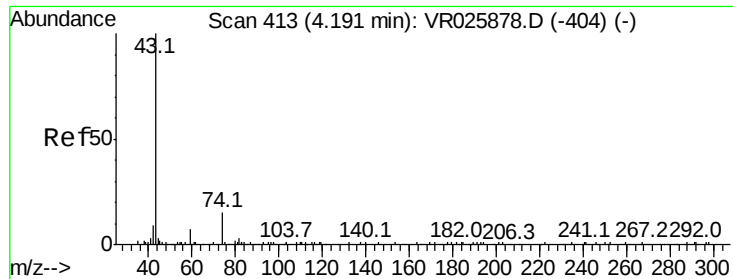
Tgt Ion: 76 Resp: 451481

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

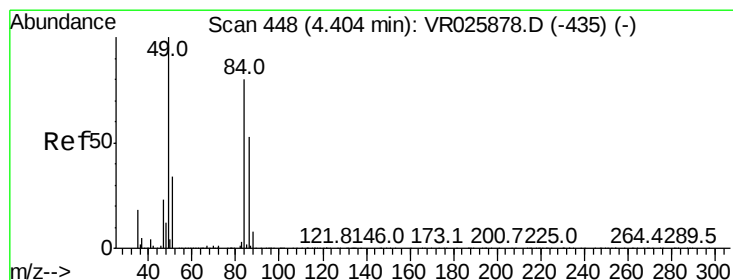
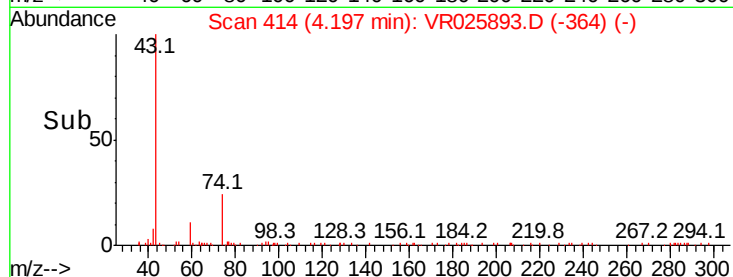
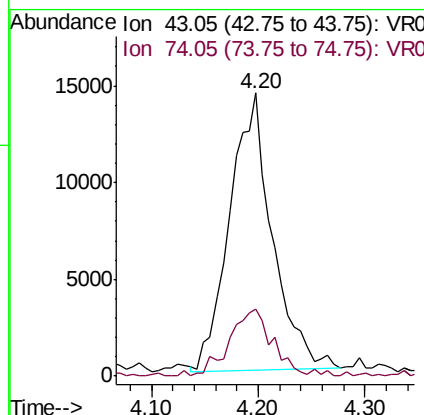
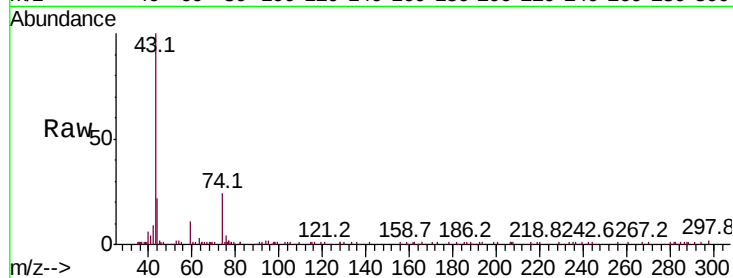




#15
Methyl Acetate
Concen: 4.507 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.01 min
Lab File: VR025893.D
Acq: 28 Sep 2018 2:03

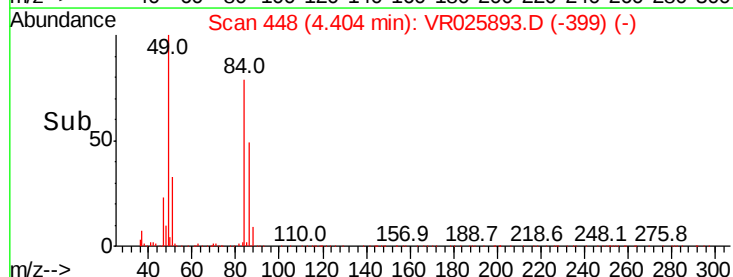
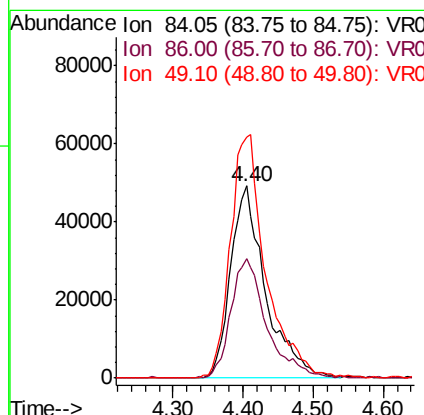
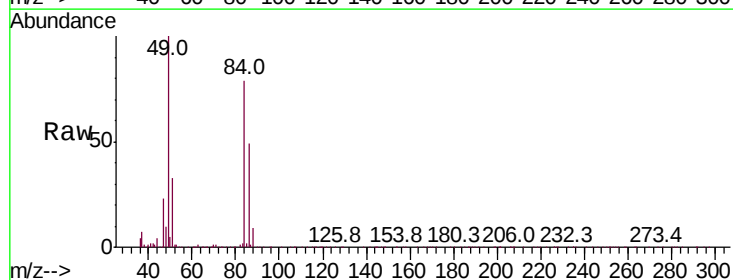
Instrument :
MSVOA_R
ClientSampleId :

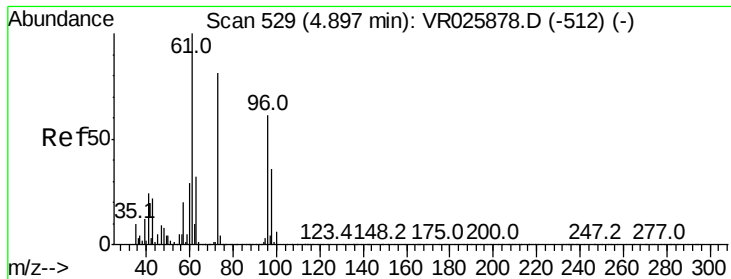
Tot Ion: 43 Resp: 39949
Ion Ratio Lower Upper
43 100
74 24.1 19.0 28.4



#16
Methylene chloride
Concen: 4.899 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR025893.D
Acq: 28 Sep 2018 2:03

Tgt Ion: 84 Resp: 170604
Ion Ratio Lower Upper
84 100
86 62.3 43.1 80.1
49 125.8 95.5 177.3





#17

Methvl tert-butvl Ether

Concen: 4.880 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.01 min

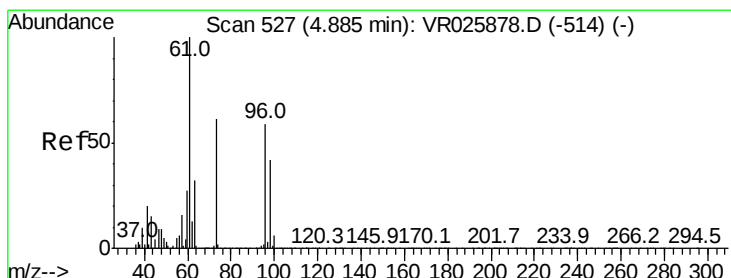
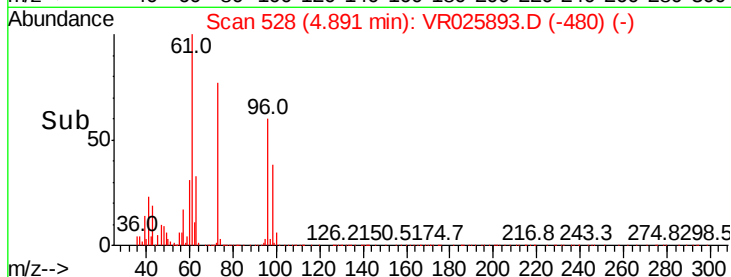
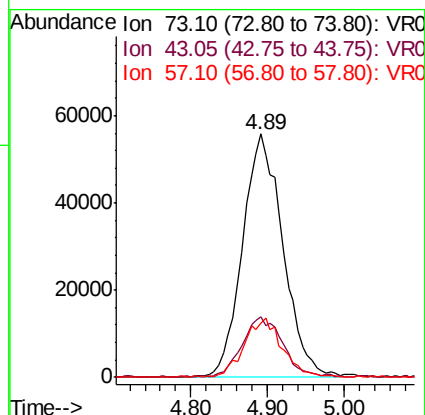
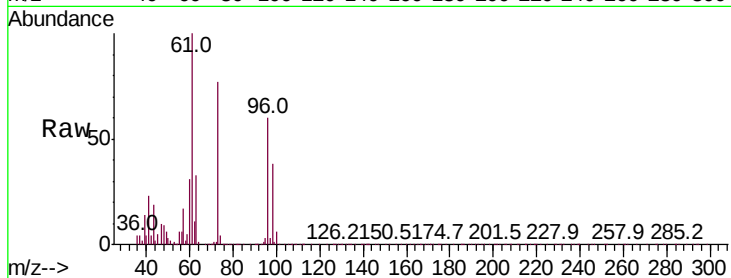
Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 73 Resp: 204652

Ion	Ratio	Lower	Upper
73	100		
43	25.4	19.8	29.8
57	22.7	17.9	26.9



#18

trans-1,2-Dichloroethene

Concen: 4.962 ug/L

RT: 4.88 min Scan# 527

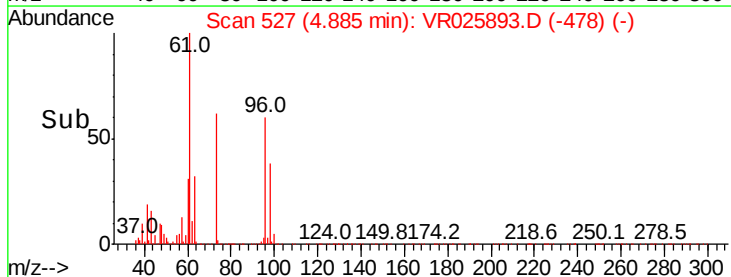
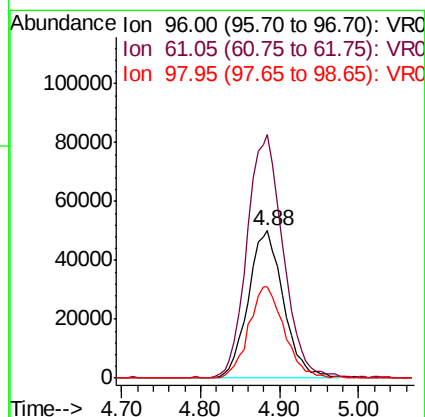
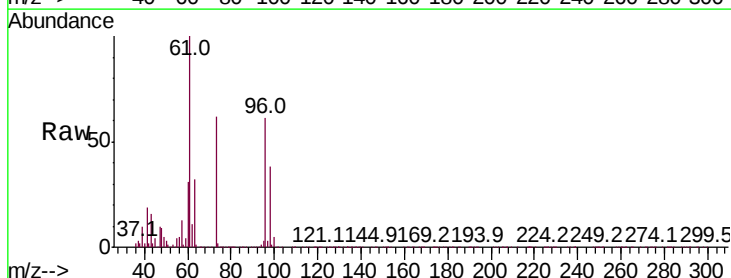
Delta R.T. 0.00 min

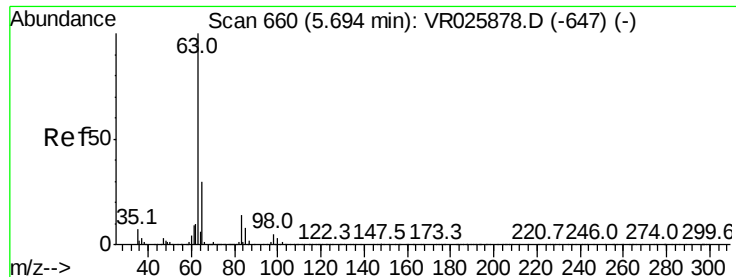
Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Tgt Ion: 96 Resp: 155435

Ion	Ratio	Lower	Upper
96	100		
61	165.3	127.4	236.6
98	62.0	43.8	81.3

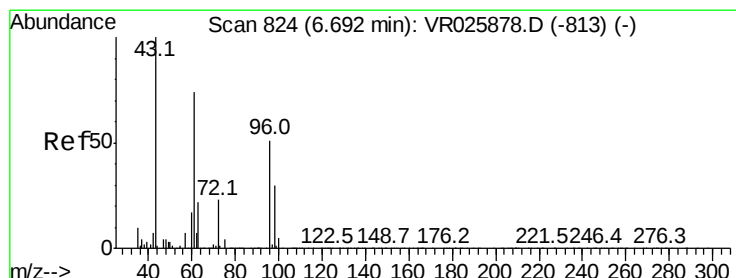
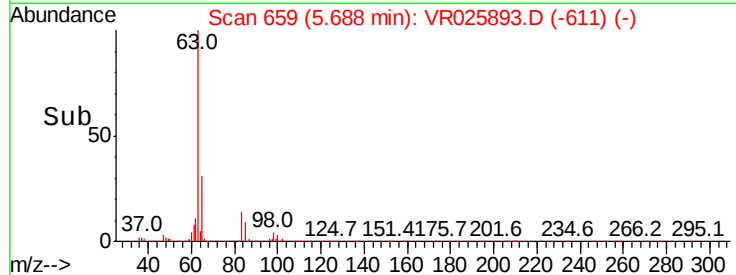
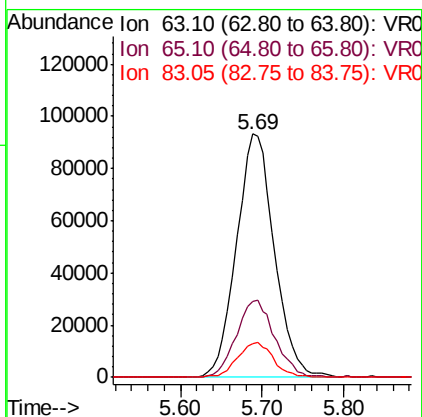
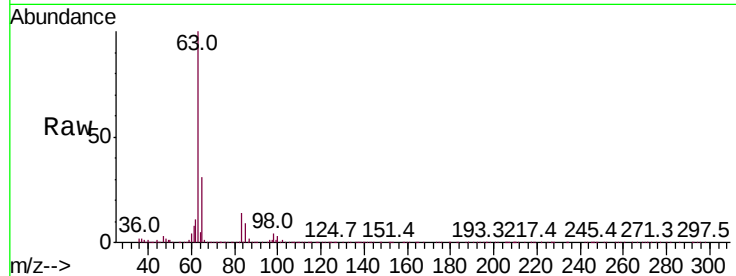




#19
 1,1-Dichloroethane
 Concen: 4.814 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: VR025893.D
 Acq: 28 Sep 2018 2:03

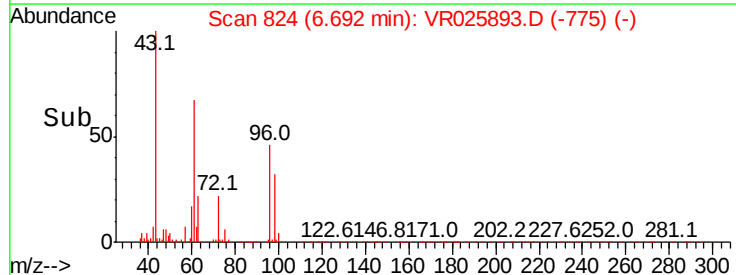
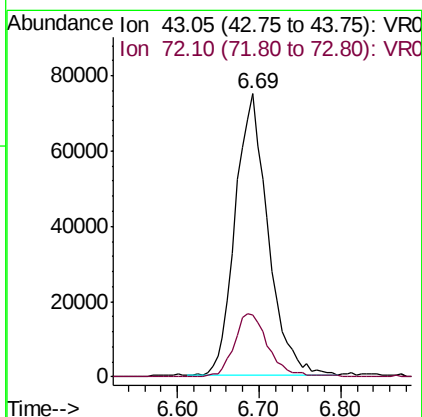
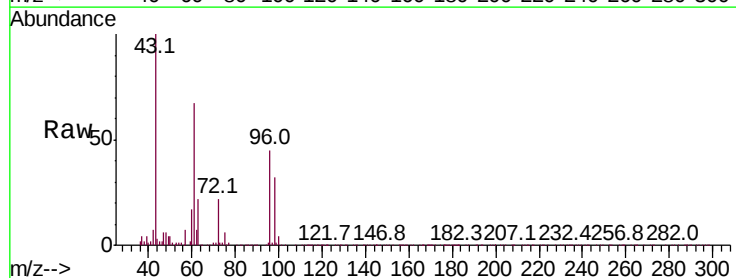
Instrument :
 MSVOA_R
 ClientSampled :

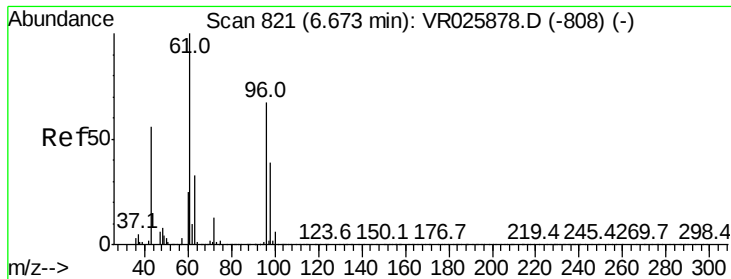
Tot Ion:	63	Resp:	298561
Ion	Ratio	Lower	Upper
63	100		
65	31.1	21.1	39.1
83	13.9	8.9	16.5



#21
 2-Butanone
 Concen: 47.349 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: VR025893.D
 Acq: 28 Sep 2018 2:03

Tgt Ion:	43	Resp:	208202
Ion	Ratio	Lower	Upper
43	100		
72	23.2	11.9	35.7



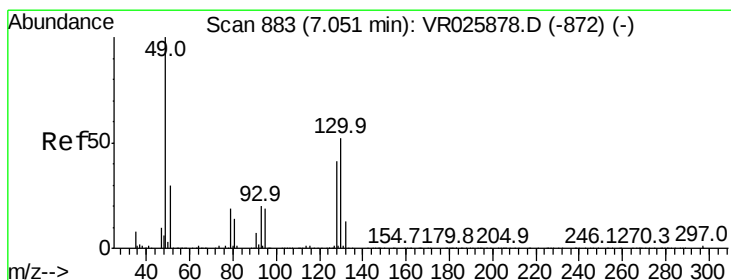
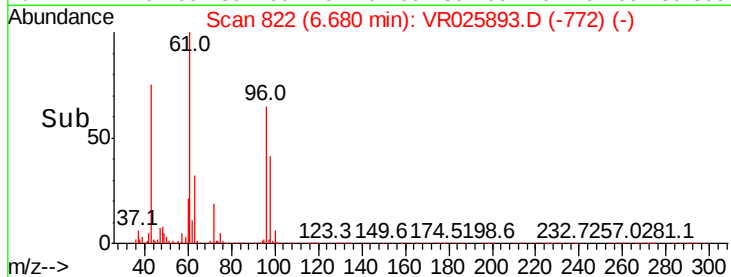
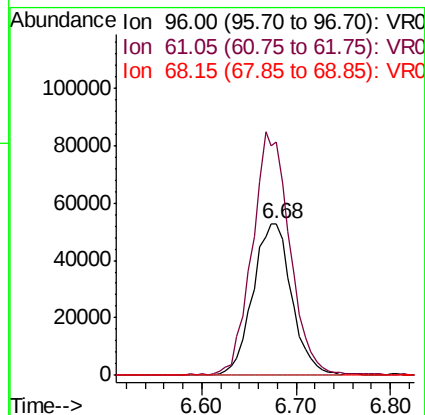
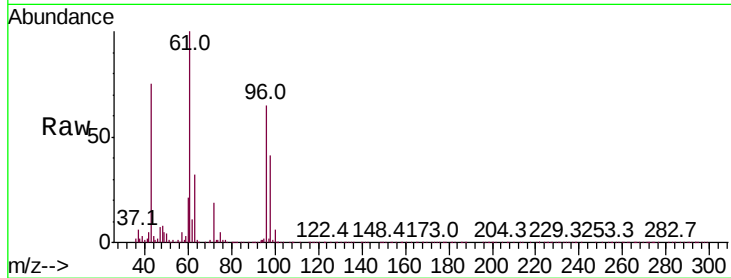


#22

cis-1,2-Dichloroethene
Concen: 4.815 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.01 min
Lab File: VR025893.D
Acq: 28 Sep 2018 2:03

Instrument :
MSVOA_R
ClientSampled :

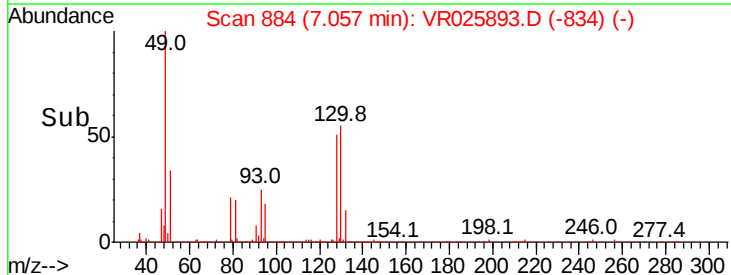
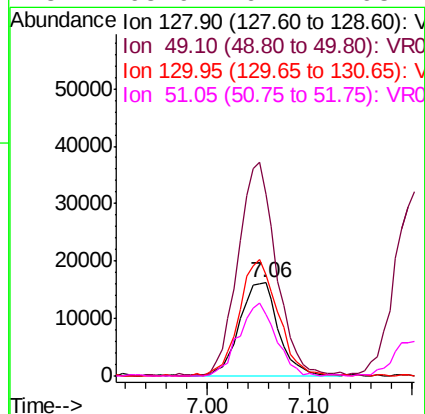
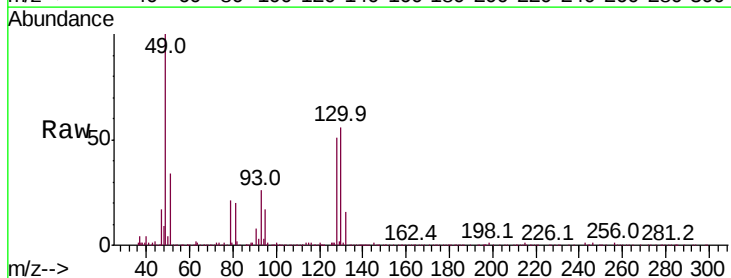
Tot Ion: 96 Resp: 151750
Ion Ratio Lower Upper
96 100
61 153.5 108.7 201.9
68 0.0 0.1 0.1#

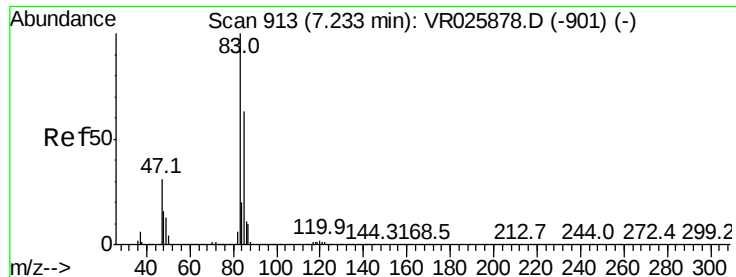


#23

Bromochloromethane
Concen: 5.052 ug/L
RT: 7.06 min Scan# 884
Delta R.T. 0.01 min
Lab File: VR025893.D
Acq: 28 Sep 2018 2:03

Tgt Ion: 128 Resp: 43197
Ion Ratio Lower Upper
128 100
49 196.0 175.0 325.0
130 109.0 85.6 159.0
51 65.9 62.2 93.2

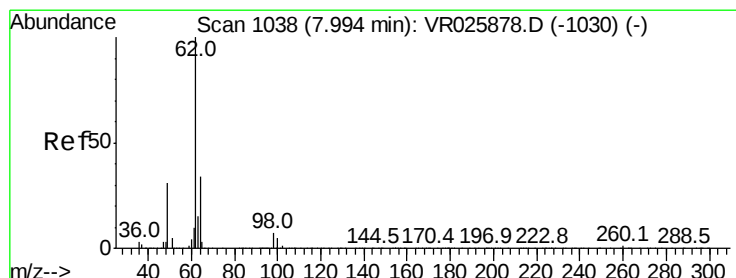
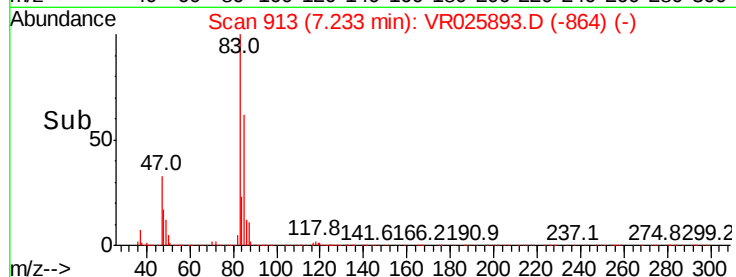
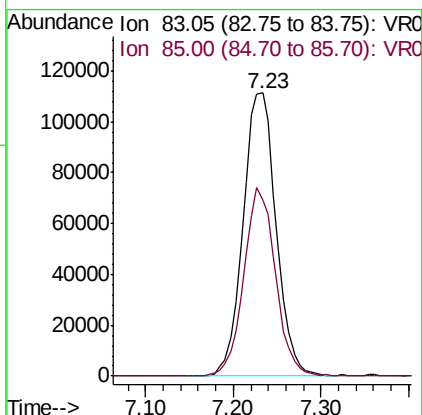
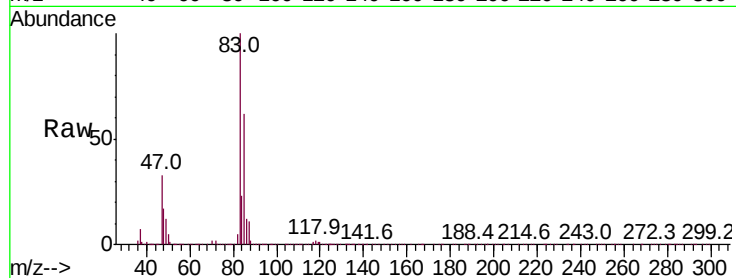




#25
Chloroform
Concen: 4.819 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.00 min
Lab File: VR025893.D
Acq: 28 Sep 2018 2:03

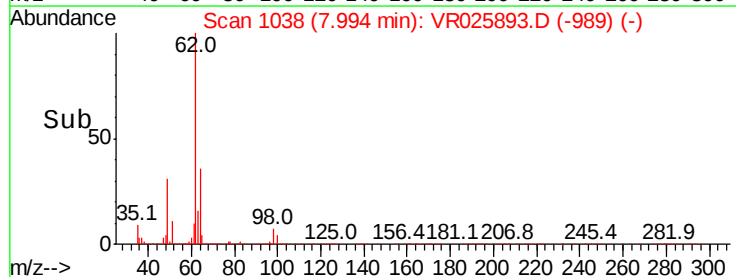
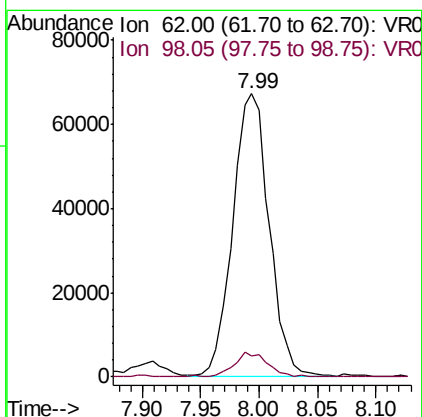
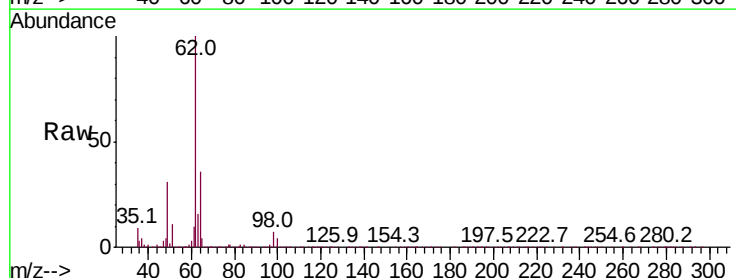
Instrument :
MSVOA_R
ClientSampleId :

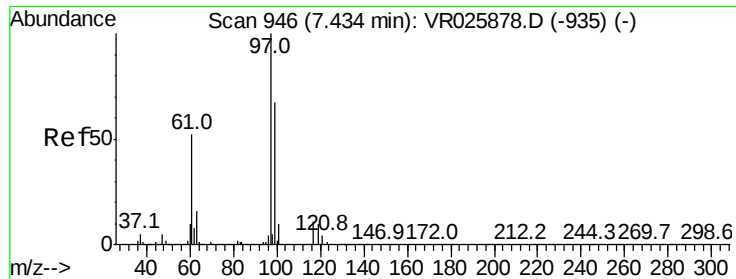
Tot Ion: 83 Resp: 291001
Ion Ratio Lower Upper
83 100
85 62.2 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.857 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR025893.D
Acq: 28 Sep 2018 2:03

Tgt Ion: 62 Resp: 146364
Ion Ratio Lower Upper
62 100
98 7.4 5.2 7.8

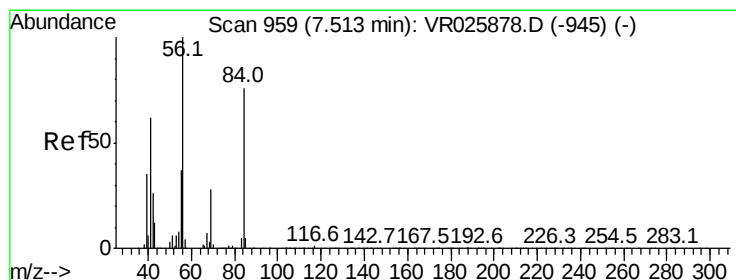
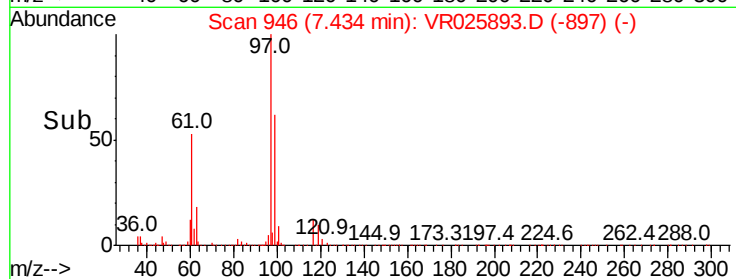
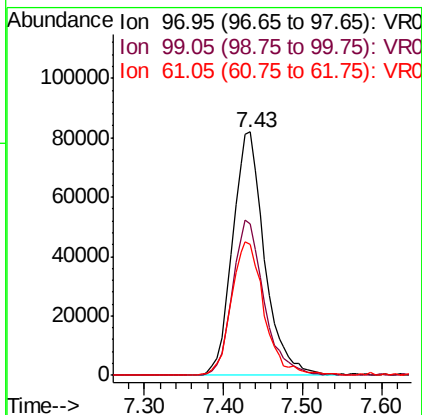
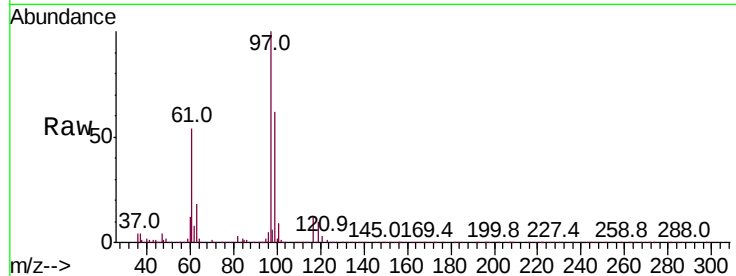




#29
 1,1,1-Trichloroethane
 Concen: 4.836 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VR025893.D
 Acq: 28 Sep 2018 2:03

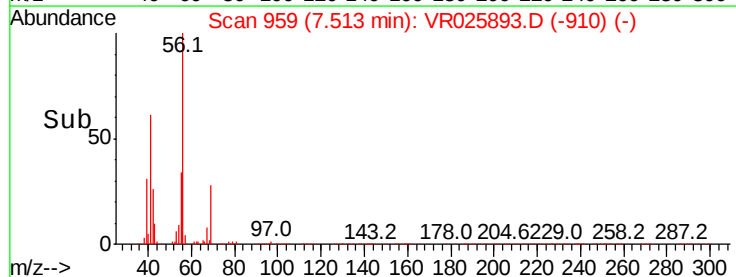
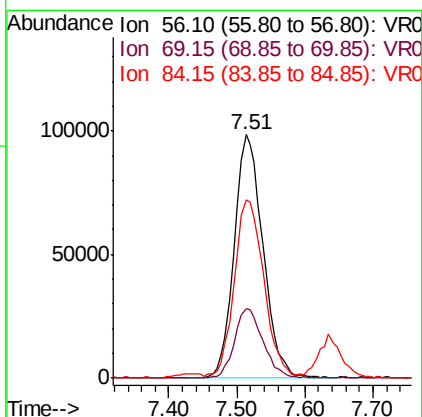
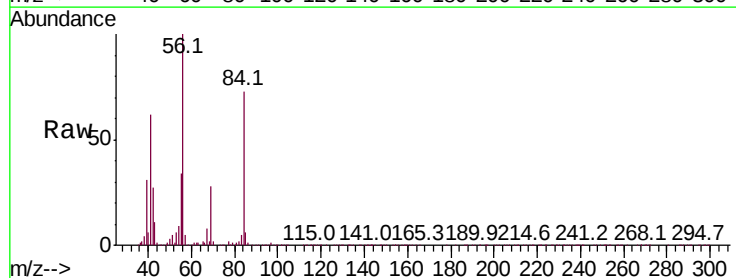
Instrument :
 MSVOA_R
 ClientSampled :

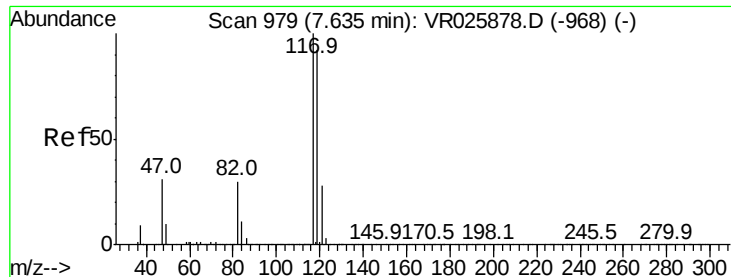
Tot Ion:	97	Resp:	230580
Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.0	76.6
61	55.9	41.6	62.4



#30
 Cyclohexane
 Concen: 4.859 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: VR025893.D
 Acq: 28 Sep 2018 2:03

Tgt Ion:	56	Resp:	289459
Ion	Ratio	Lower	Upper
56	100		
69	28.3	24.8	37.2
84	74.9	59.8	89.8





#31

Carbon tetrachloride

Concen: 4.965 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

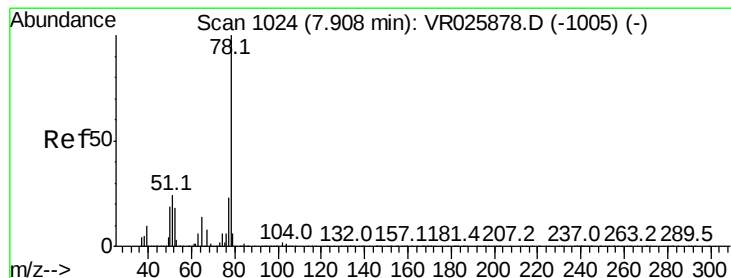
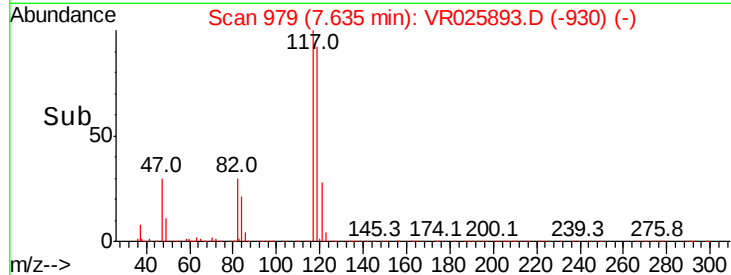
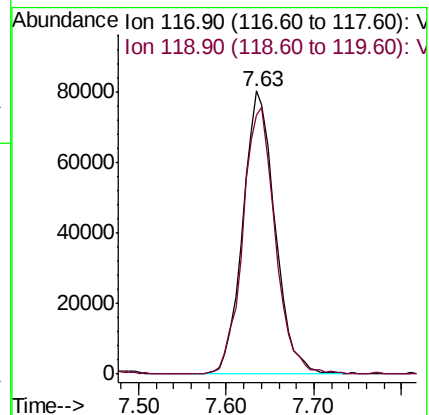
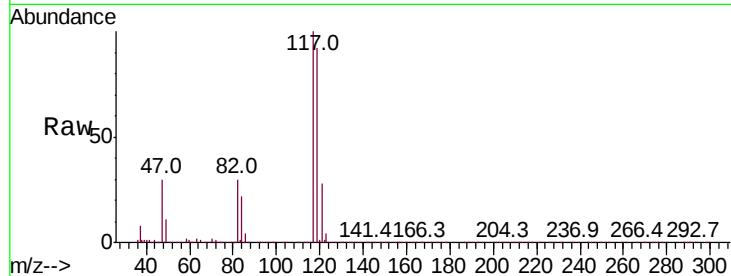
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:117 Resp: 204995

Ion Ratio Lower Upper

117 100

119 94.5 75.6 113.4



#33

Benzene

Concen: 4.815 ug/L

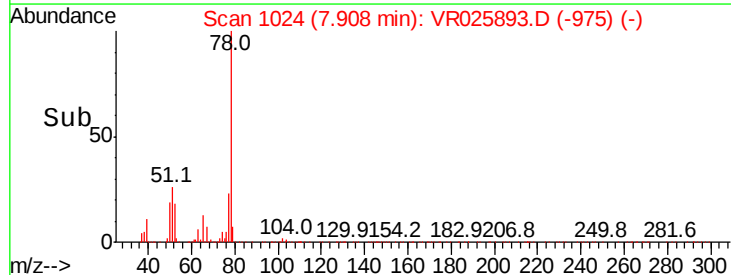
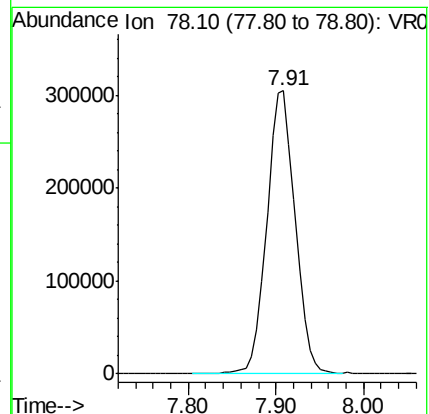
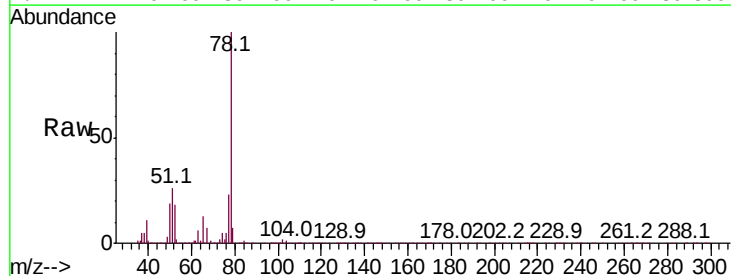
RT: 7.91 min Scan# 1024

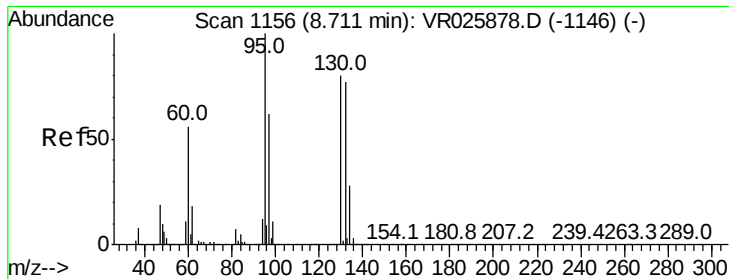
Delta R.T. 0.00 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Tgt Ion: 78 Resp: 684630

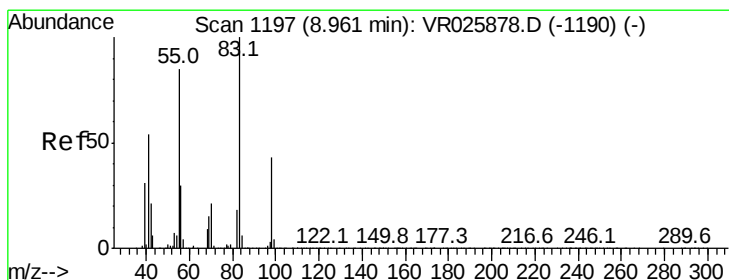
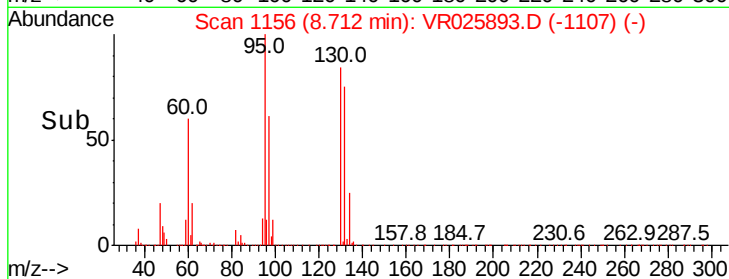
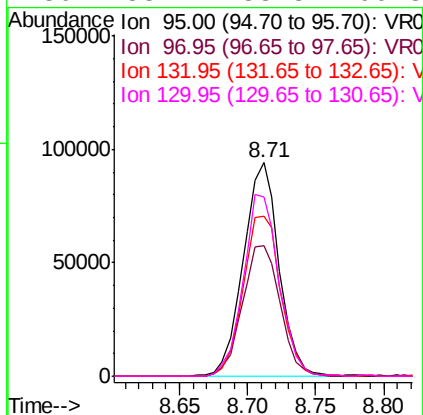
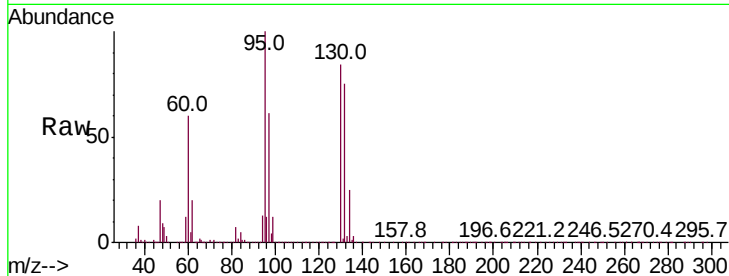




#34
 Trichloroethene
 Concen: 4.610 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VR025893.D
 Acq: 28 Sep 2018 2:03

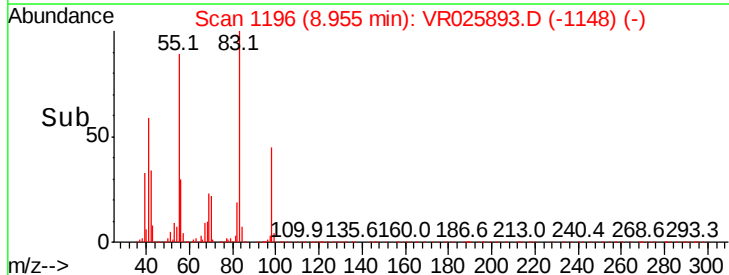
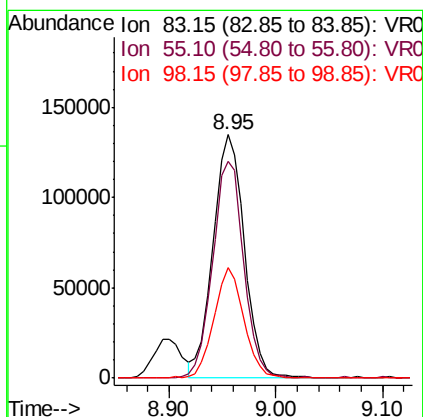
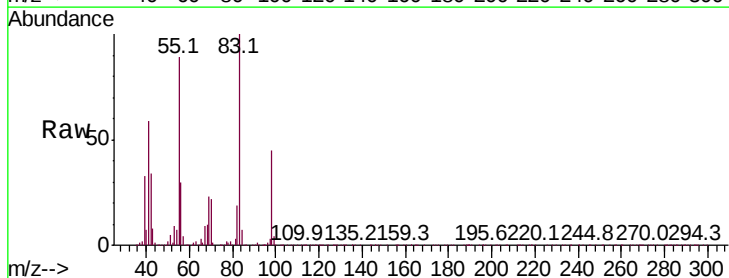
Instrument :
 MSVOA_R
 ClientSampleId :

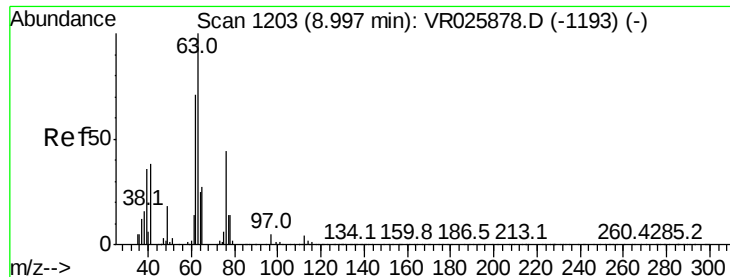
Tot Ion:	95	Resp:	172740
Ion	Ratio	Lower	Upper
95	100		
97	61.0	43.9	81.5
132	75.1	53.3	98.9
130	83.7	53.8	99.8



#35
 Methylcyclohexane
 Concen: 4.843 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: VR025893.D
 Acq: 28 Sep 2018 2:03

Tgt Ion:	83	Resp:	272821
Ion	Ratio	Lower	Upper
83	100		
55	88.5	71.8	107.6
98	43.9	34.2	51.4





#37

1,2-Dichloropropane

Concen: 4.904 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

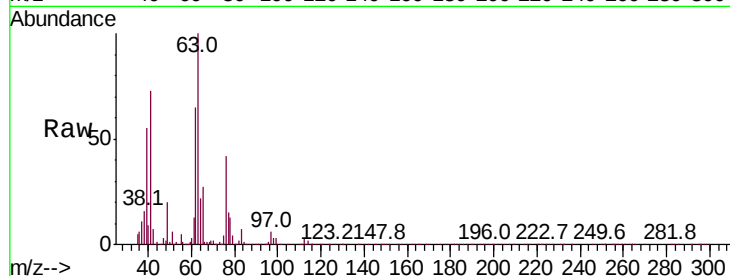
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 149607

Ion Ratio Lower Upper

63 100

112 3.7 2.5 3.7



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V

8.99

80000

60000

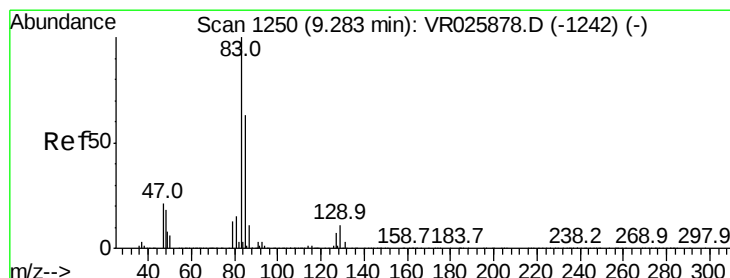
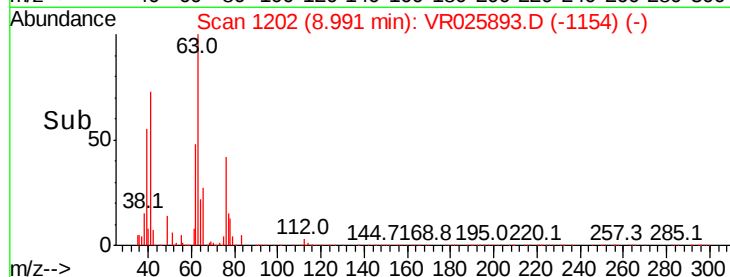
40000

20000

0

Time-->

8.90 8.95 9.00 9.05 9.10



#38

Bromodichloromethane

Concen: 4.803 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

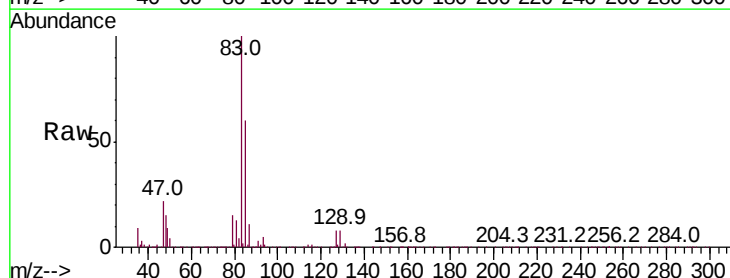
Tgt Ion: 83 Resp: 158071

Ion Ratio Lower Upper

83 100

85 59.6 42.8 79.4

127 8.1 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

120000

100000

80000

60000

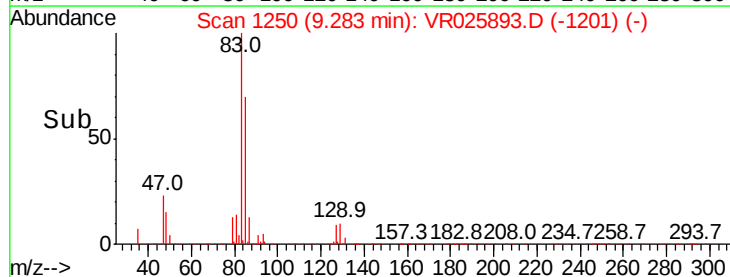
40000

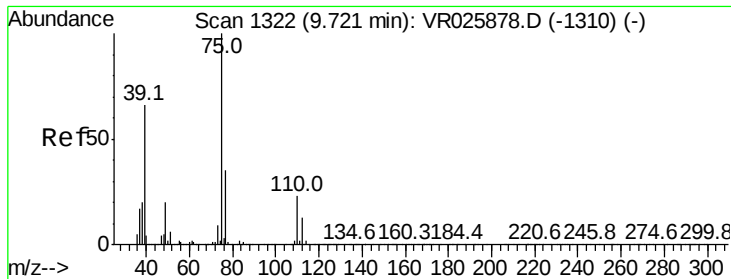
20000

0

Time-->

9.20 9.25 9.30 9.35





#39

cis-1,3-Dichloropropene

Concen: 4.622 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

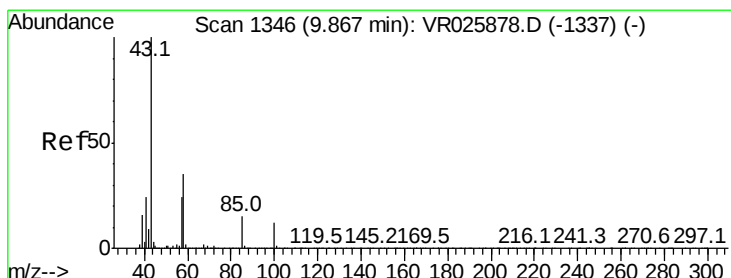
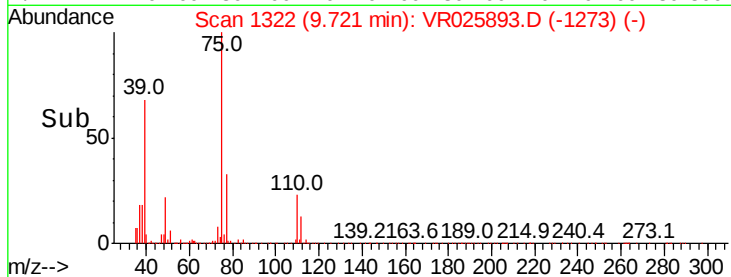
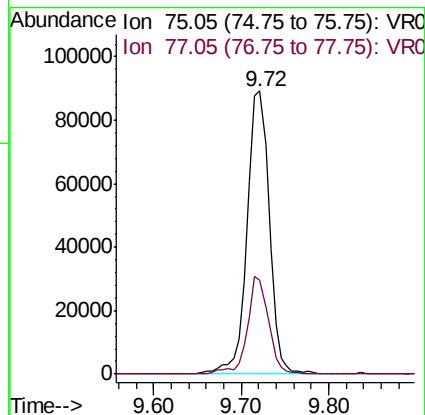
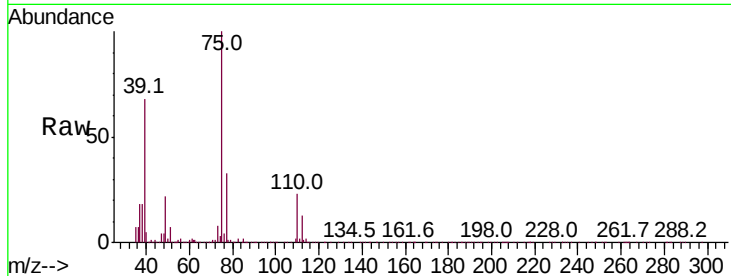
Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 75 Resp: 158105

Ion	Ratio	Lower	Upper
75	100		
77	33.0	21.5	39.9



#40

4-Methyl-2-pentanone

Concen: 50.003 ug/L

RT: 9.87 min Scan# 1346

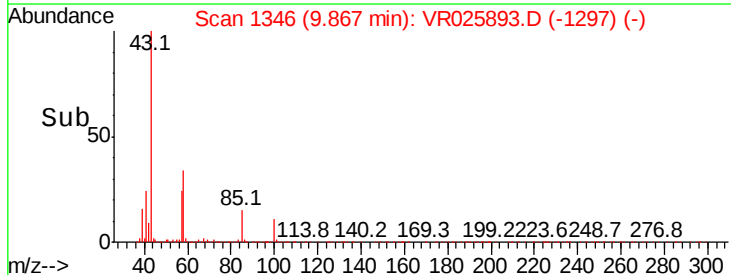
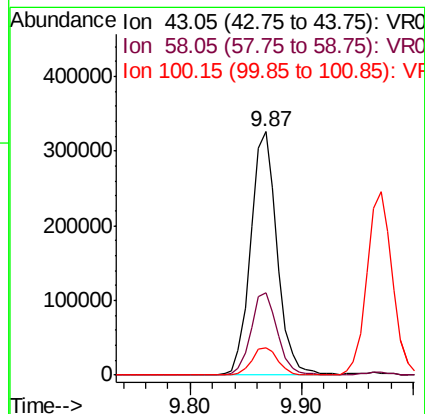
Delta R.T. 0.00 min

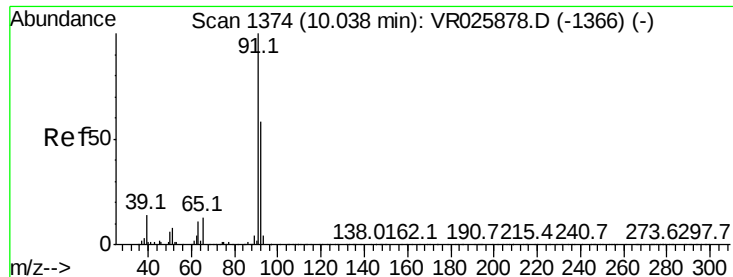
Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Tgt Ion: 43 Resp: 536374

Ion	Ratio	Lower	Upper
43	100		
58	34.2	28.6	43.0
100	11.3	9.0	13.4





#42

Toluene

Concen: 4.863 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.01 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Instrument :

MSVOA_R

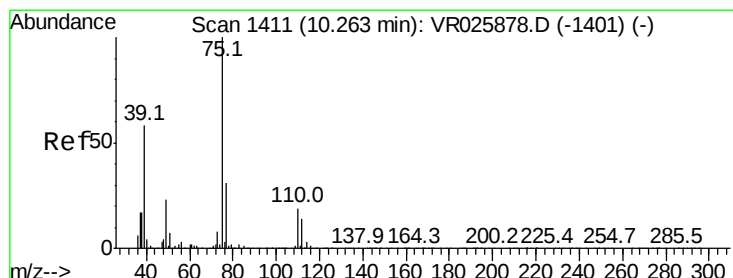
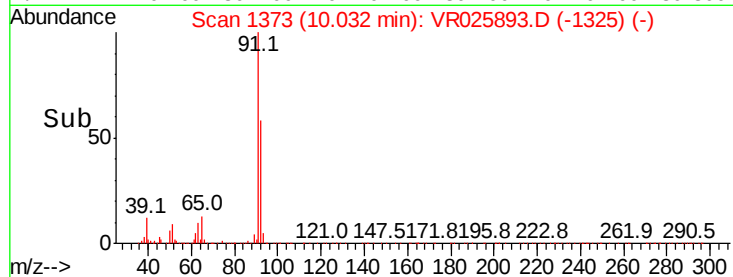
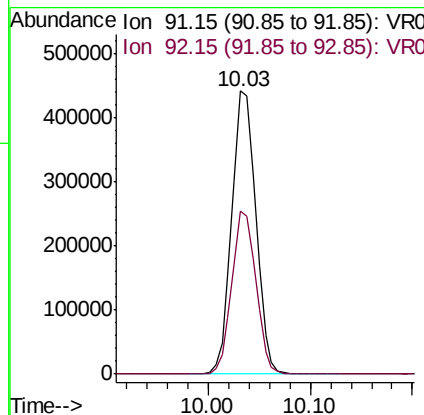
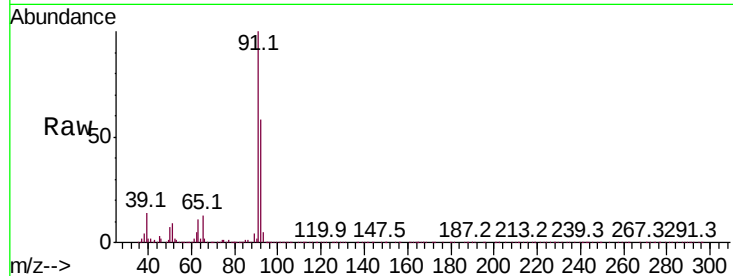
ClientSampleId :

Tot Ion: 91 Resp: 718629

Ion Ratio Lower Upper

91 100

92 57.6 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 4.672 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025893.D

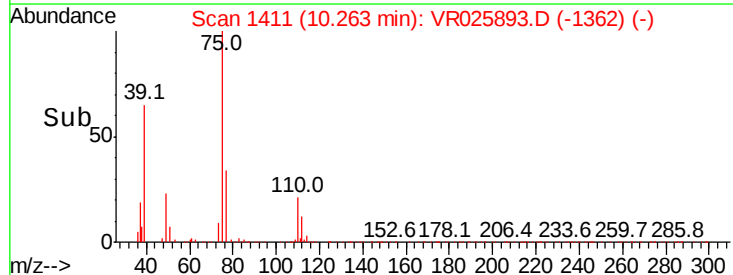
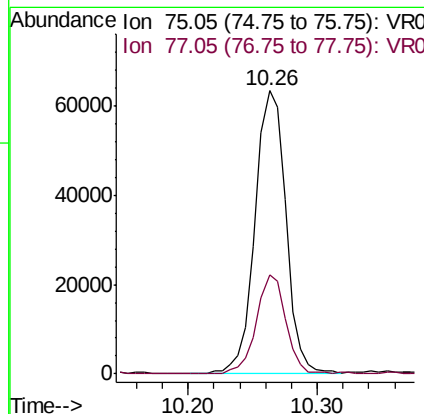
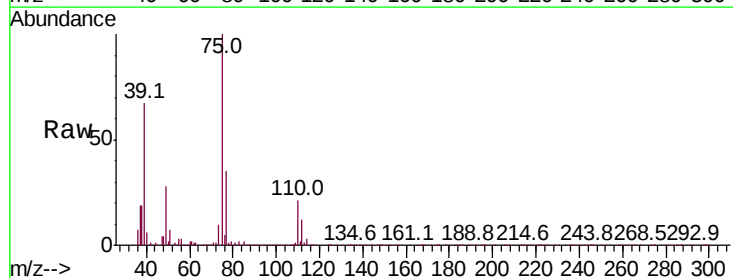
Acq: 28 Sep 2018 2:03

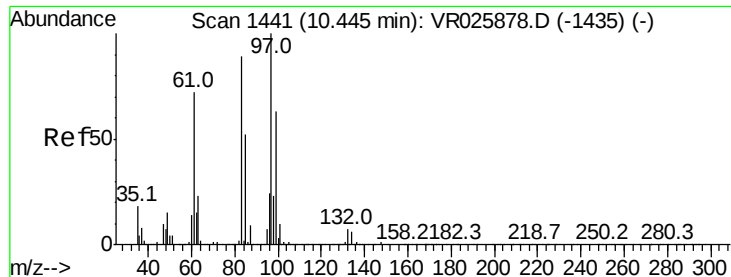
Tgt Ion: 75 Resp: 104326

Ion Ratio Lower Upper

75 100

77 34.8 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 4.569 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 97 Resp: 63039

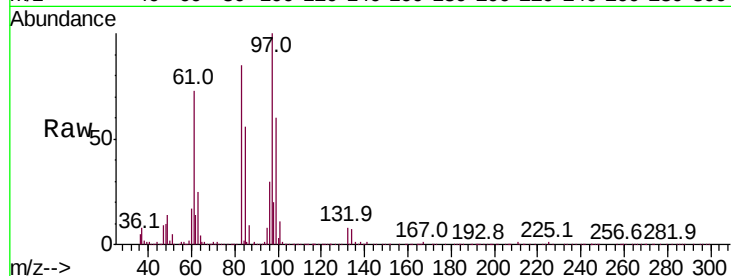
Ion Ratio Lower Upper

97 100

99 59.8 39.6 73.6

83 85.2 62.2 115.6

85 56.3 39.1 72.7

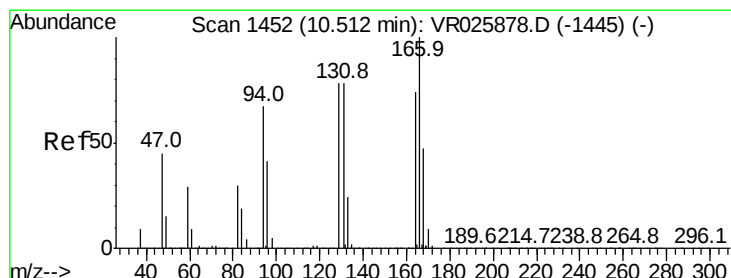
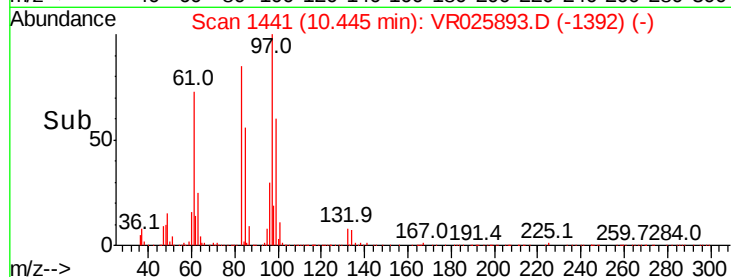
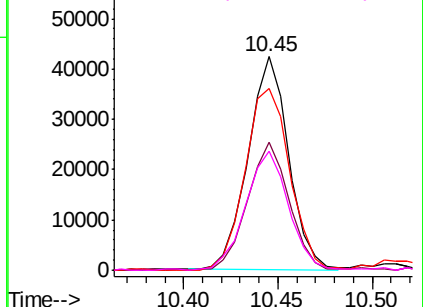


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 4.776 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Tgt Ion: 164 Resp: 110262

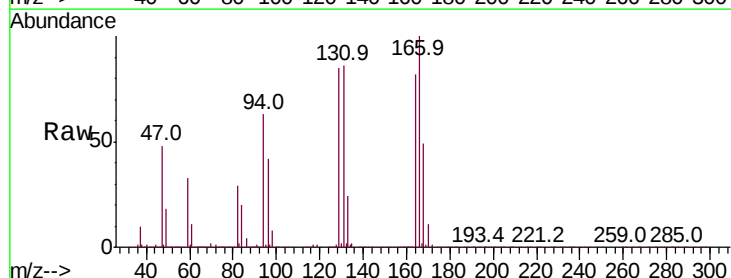
Ion Ratio Lower Upper

164 100

129 103.2 80.8 150.2

131 104.1 74.5 138.3

166 121.6 92.5 171.7

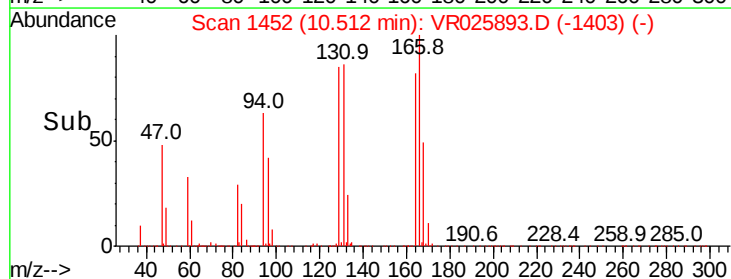
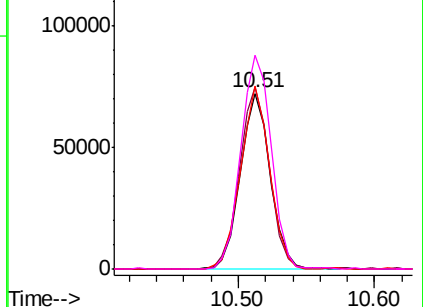


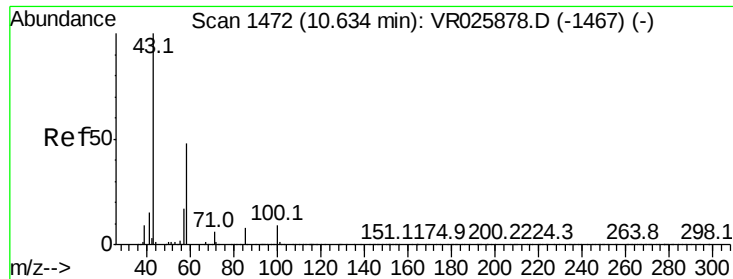
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

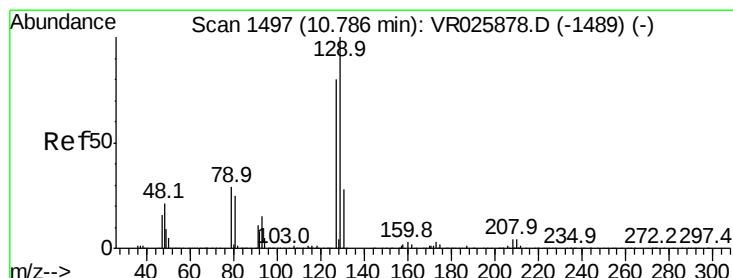
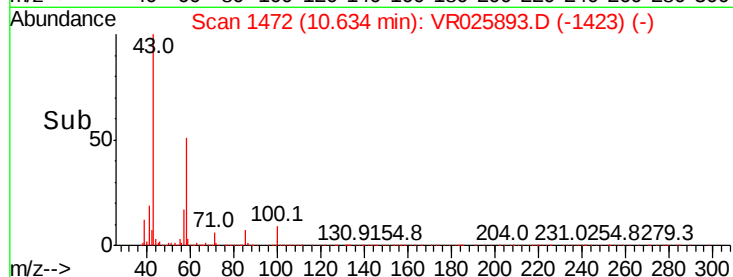
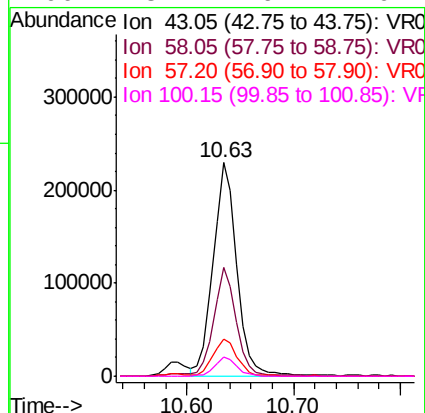
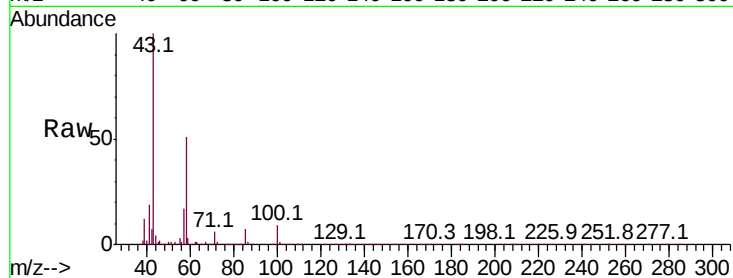




#48
2-Hexanone
Concen: 49.608 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025893.D
Acq: 28 Sep 2018 2:03

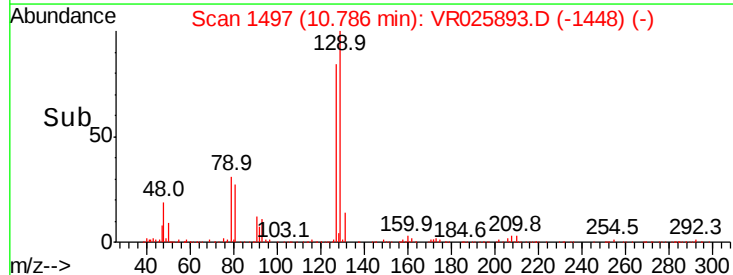
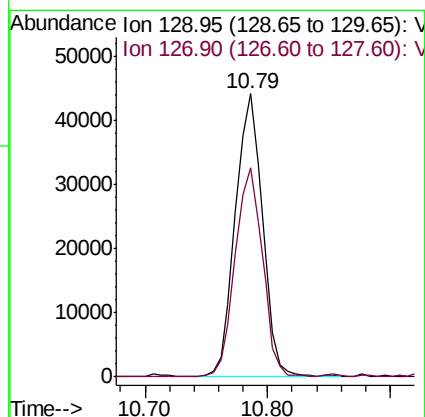
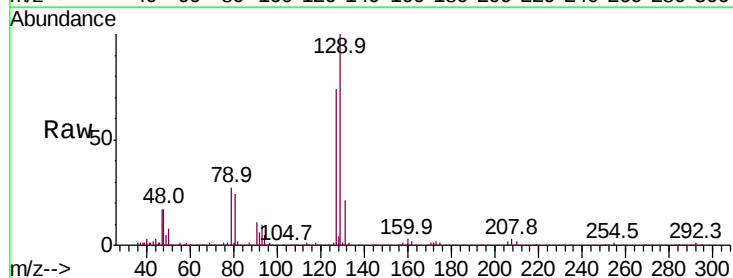
Instrument :
MSVOA_R
ClientSampleId :

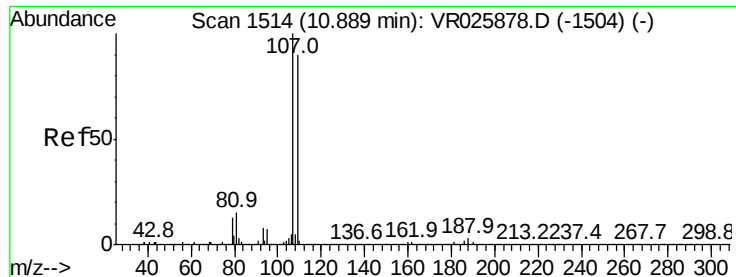
Tot Ion:	43	Resp:	348399
Ion	Ratio	Lower	Upper
43	100		
58	50.5	39.5	59.3
57	18.0	14.6	21.8
100	8.4	6.7	10.1



#49
Dibromochloromethane
Concen: 4.820 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025893.D
Acq: 28 Sep 2018 2:03

Tgt Ion:	129	Resp:	67496
Ion	Ratio	Lower	Upper
129	100		
127	74.0	54.1	100.5

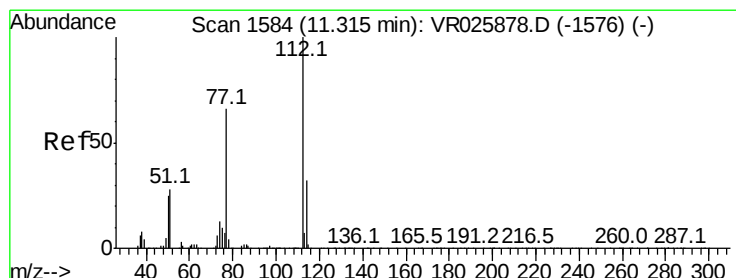
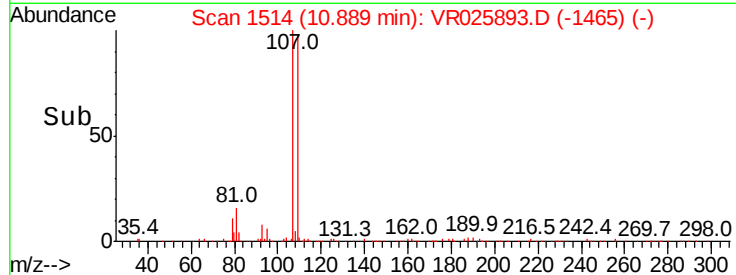
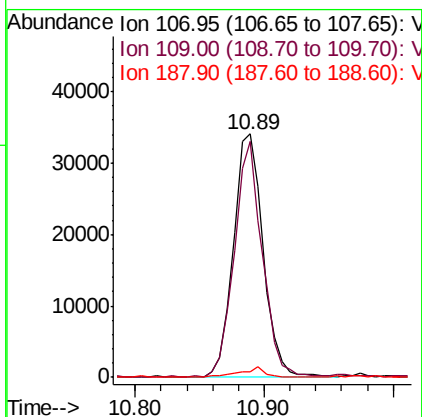
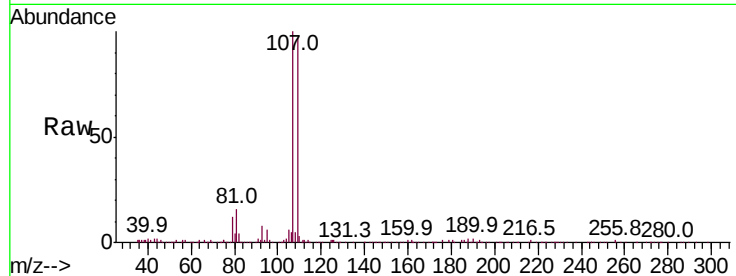




#50
1,2-Dibromoethane
Concen: 5.022 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR025893.D
Acq: 28 Sep 2018 2:03

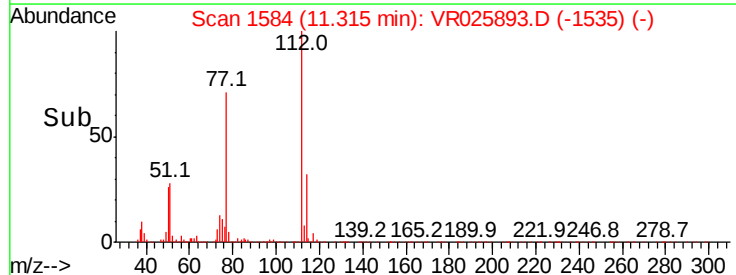
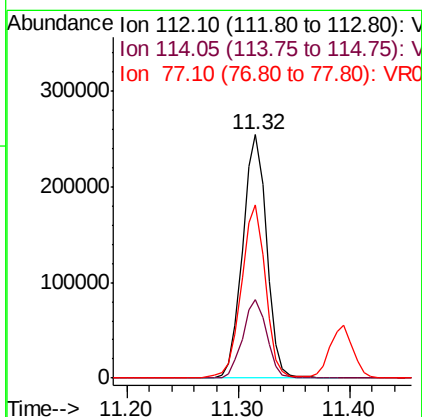
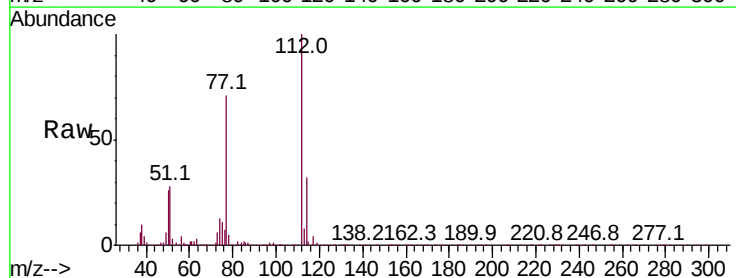
Instrument :
MSVOA_R
ClientSampleId :

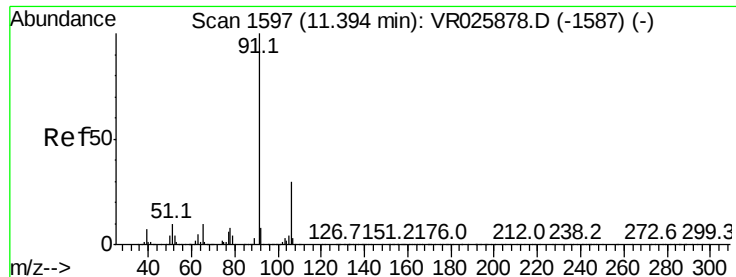
Tot Ion:107 Resp: 54680
Ion Ratio Lower Upper
107 100
109 97.2 63.5 117.9
188 2.5 1.7 2.5



#51
Chlorobenzene
Concen: 4.847 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025893.D
Acq: 28 Sep 2018 2:03

Tgt Ion:112 Resp: 379863
Ion Ratio Lower Upper
112 100
114 32.1 22.7 42.3
77 71.4 58.5 87.7





#52

Ethylbenzene

Concen: 4.977 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Instrument :

MSVOA_R

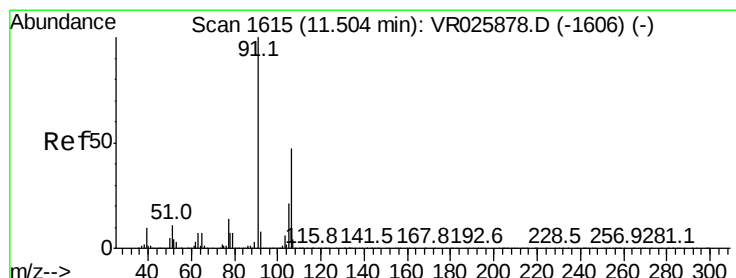
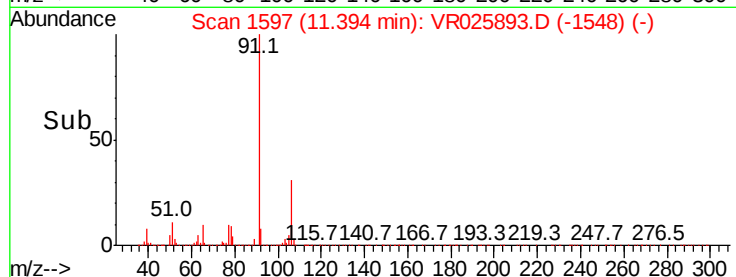
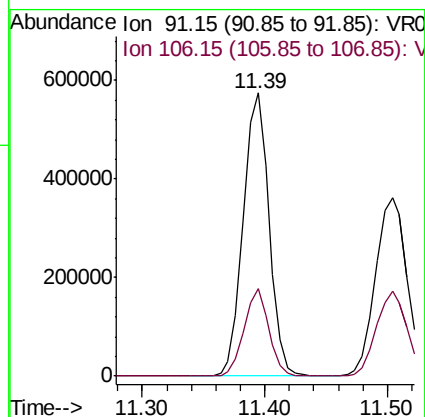
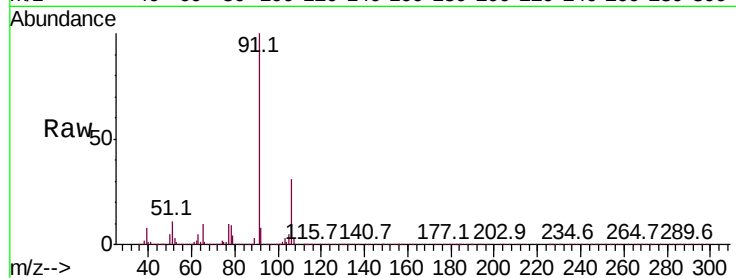
ClientSampleId :

Tot Ion: 91 Resp: 839451

Ion Ratio Lower Upper

91 100

106 30.7 20.6 38.4



#53

m,p-Xylene

Concen: 4.963 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025893.D

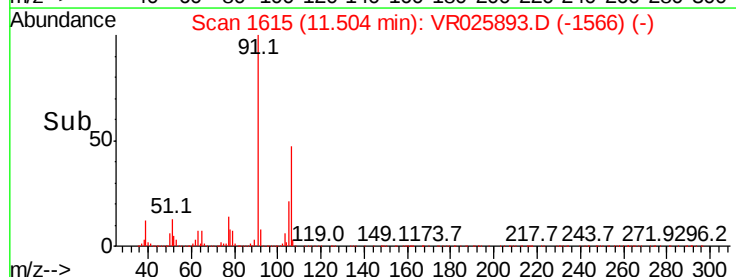
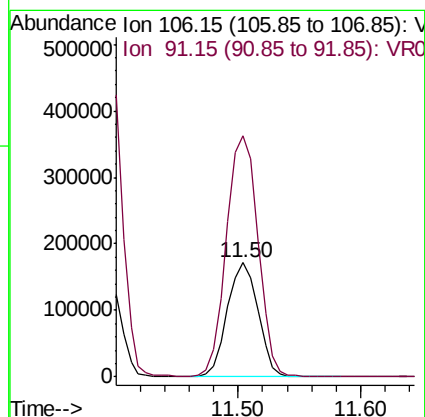
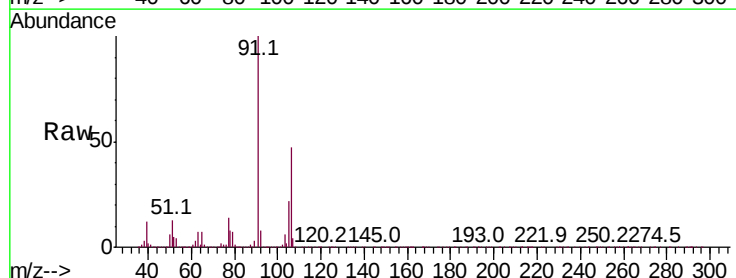
Acq: 28 Sep 2018 2:03

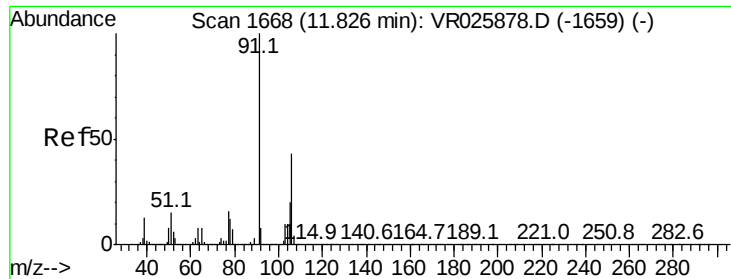
Tgt Ion: 106 Resp: 297972

Ion Ratio Lower Upper

106 100

91 211.1 159.7 296.5

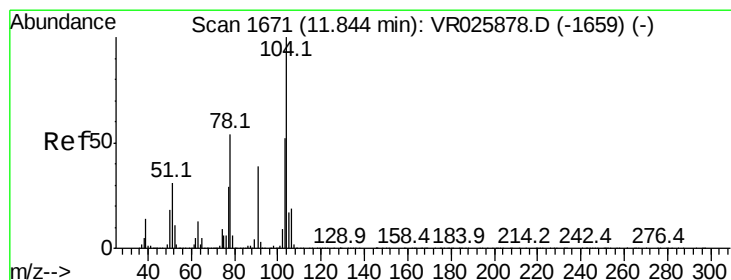
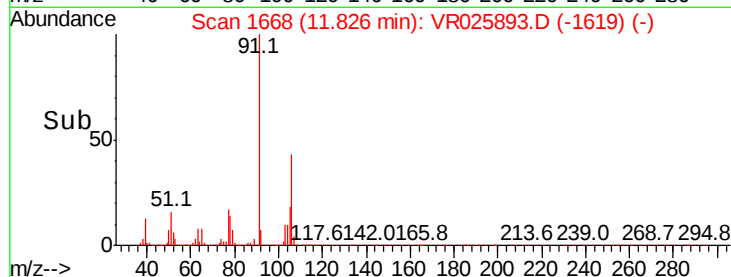
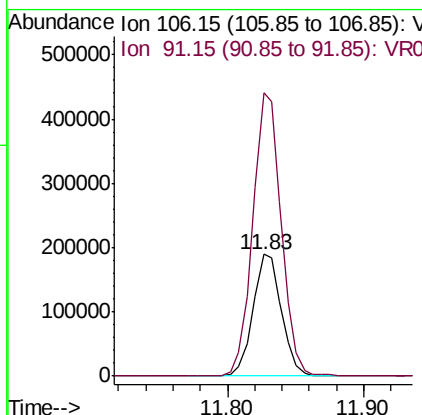
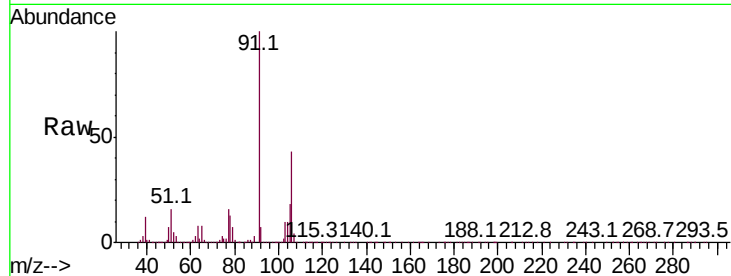




#54
o-Xylene
Concen: 4.974 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR025893.D
Acq: 28 Sep 2018 2:03

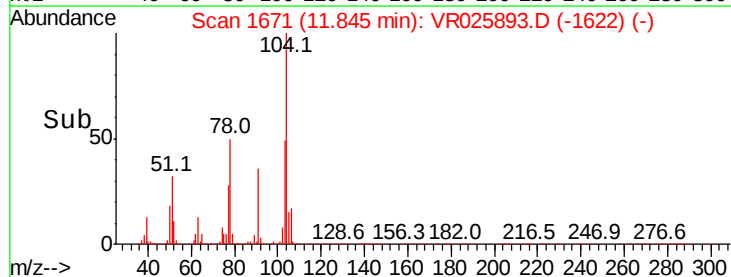
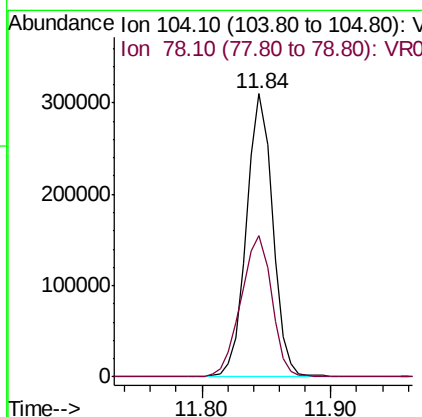
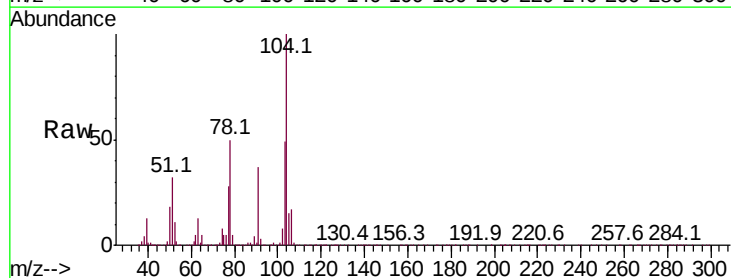
Instrument :
MSVOA_R
ClientSampleId :

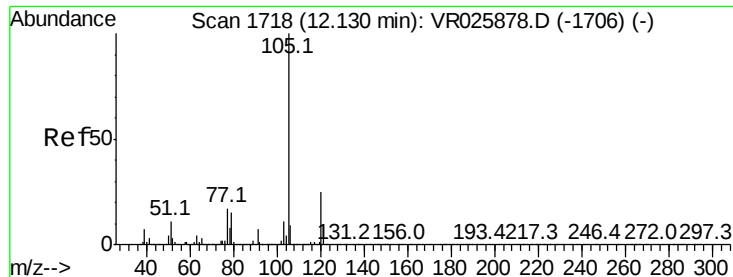
Tot Ion:106 Resp: 278003
Ion Ratio Lower Upper
106 100
91 232.9 164.5 305.5



#55
Styrene
Concen: 5.004 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR025893.D
Acq: 28 Sep 2018 2:03

Tgt Ion:104 Resp: 435238
Ion Ratio Lower Upper
104 100
78 49.8 39.3 72.9





#56

Isopropylbenzene

Concen: 5.086 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025893.D

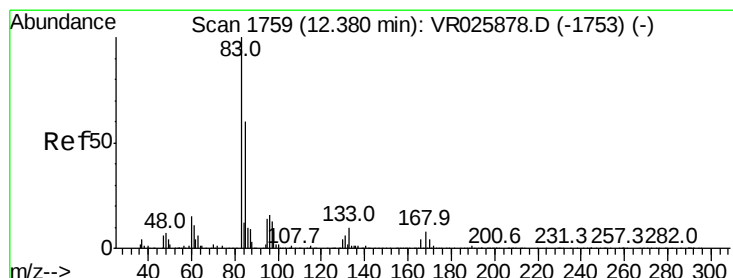
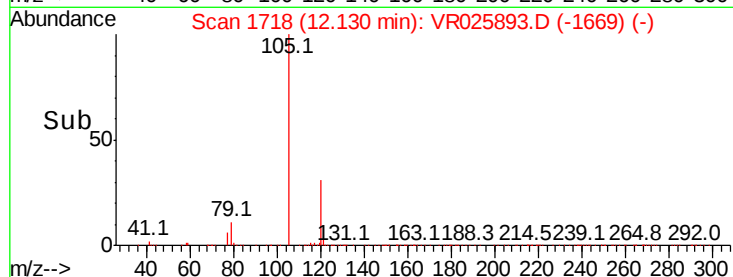
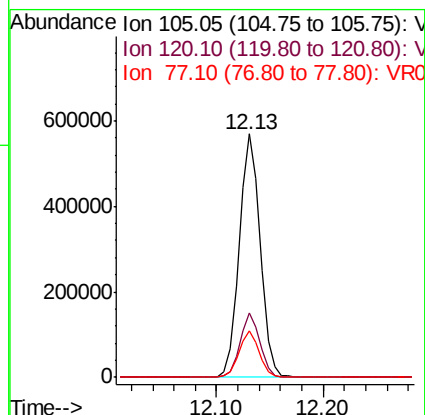
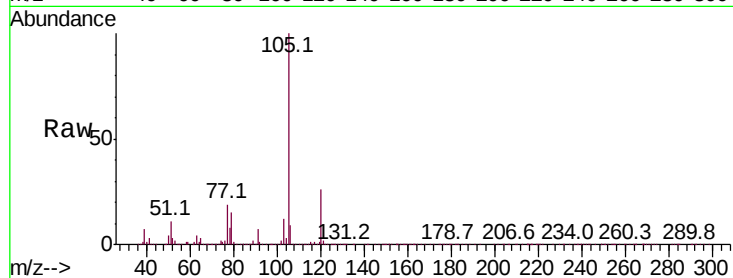
Acq: 28 Sep 2018 2:03

Instrument :

MSVOA_R

ClientSampled :

Tot Ion:	105	Resp:	783997
Ion Ratio	Lower	Upper	
105	100		
120	25.2	19.8	29.8
77	18.3	15.5	23.3



#58

1,1,2,2-Tetrachloroethane

Concen: 4.860 ug/L

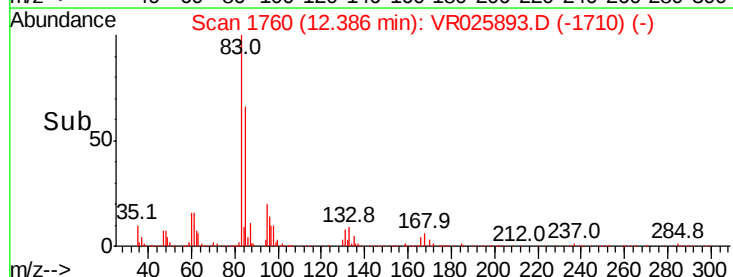
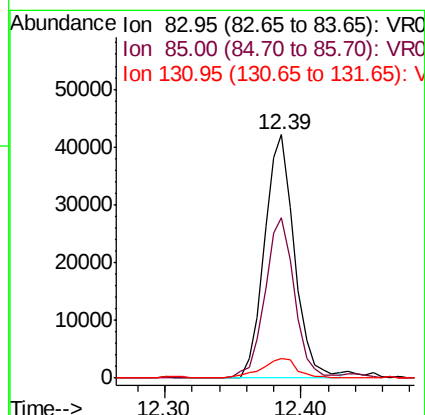
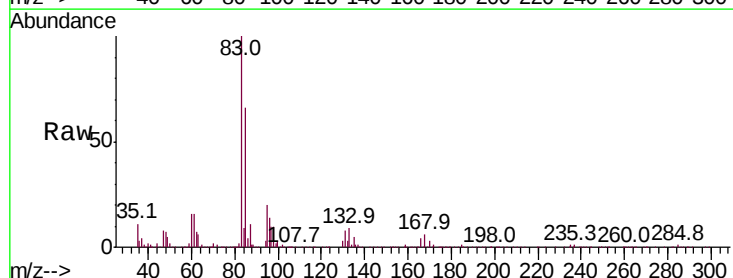
RT: 12.39 min Scan# 1760

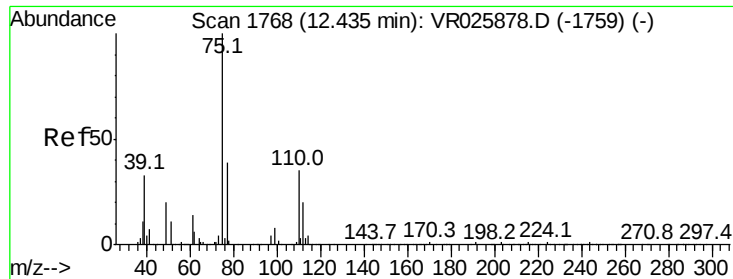
Delta R.T. 0.01 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Tgt Ion:	83	Resp:	64612
Ion Ratio	Lower	Upper	
83	100		
85	66.0	45.8	85.0
131	7.8	6.6	9.8





#59

1,2,3-Trichloropropane

Concen: 4.941 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Instrument :

MSVOA_R

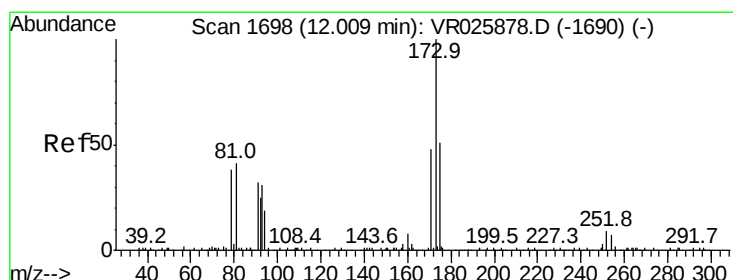
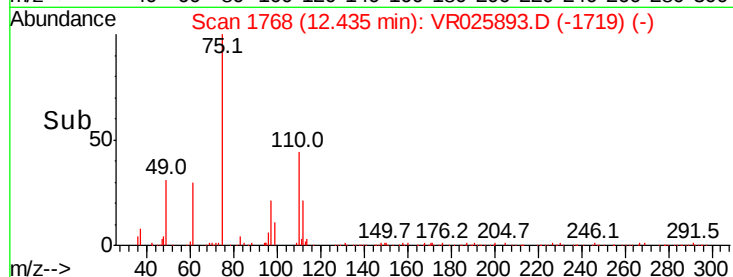
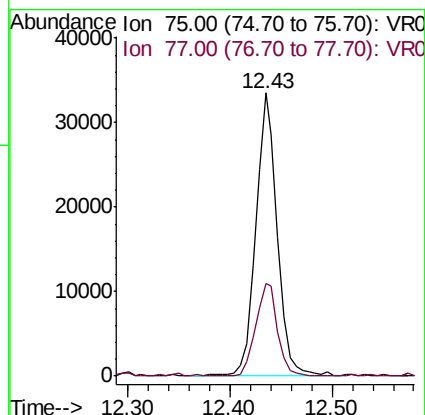
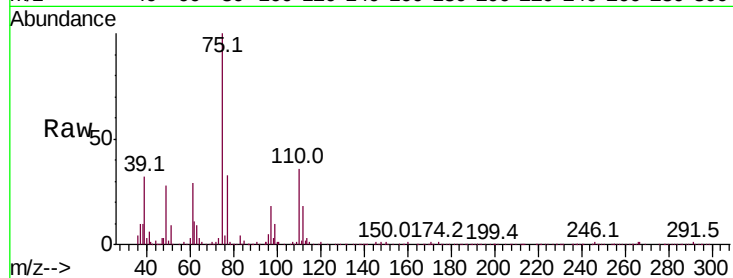
ClientSampleId :

Tot Ion: 75 Resp: 48890

Ion Ratio Lower Upper

75 100

77 33.9 25.8 38.6



#61

Bromoform

Concen: 4.242 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

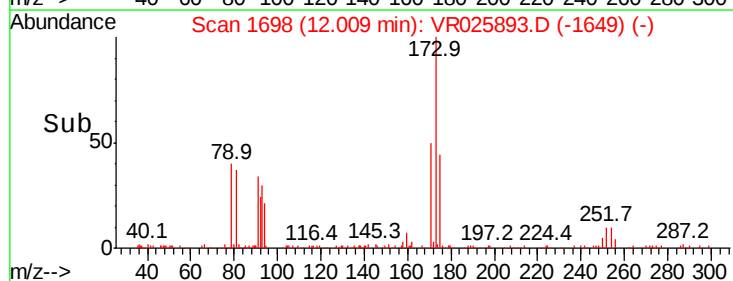
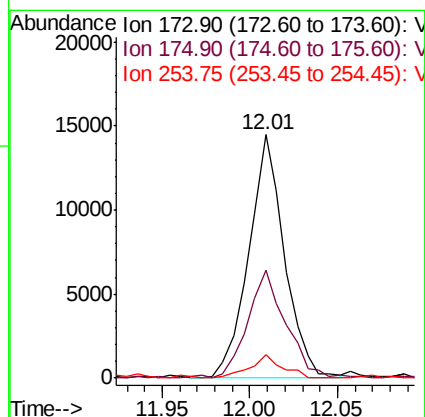
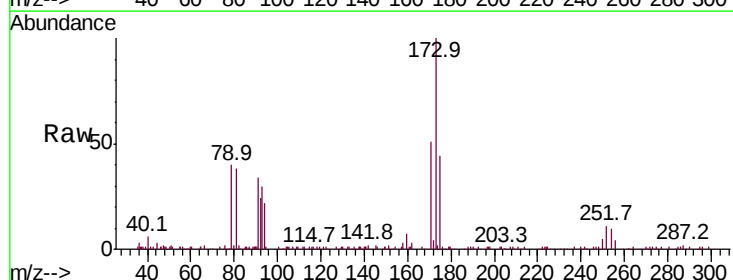
Tgt Ion: 173 Resp: 20462

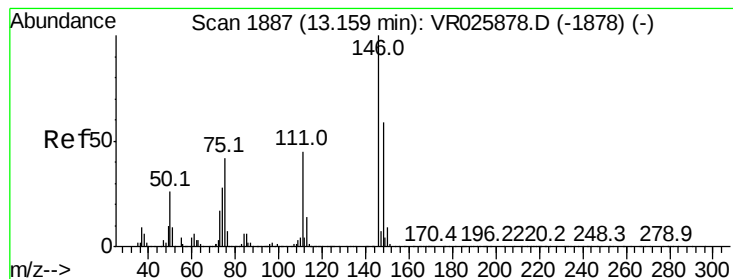
Ion Ratio Lower Upper

173 100

175 47.9 36.9 55.3

254 8.9 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 4.728 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Instrument :

MSVOA_R

ClientSampleId :

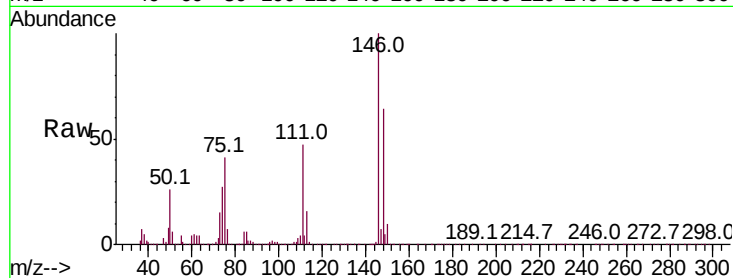
Tot Ion:146 Resp: 220473

Ion Ratio Lower Upper

146 100

111 46.8 36.6 68.0

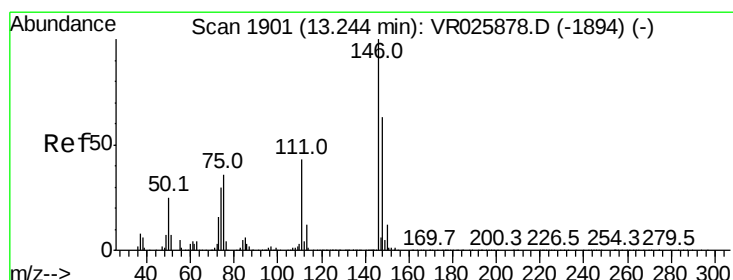
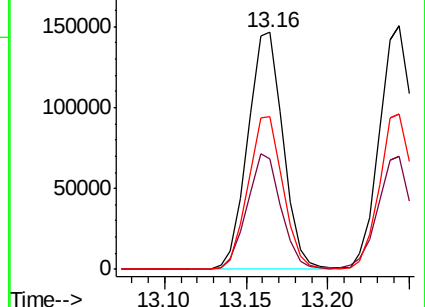
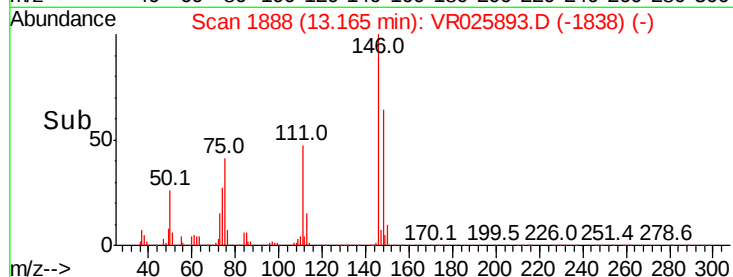
148 64.2 41.9 77.7



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: 4.618 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

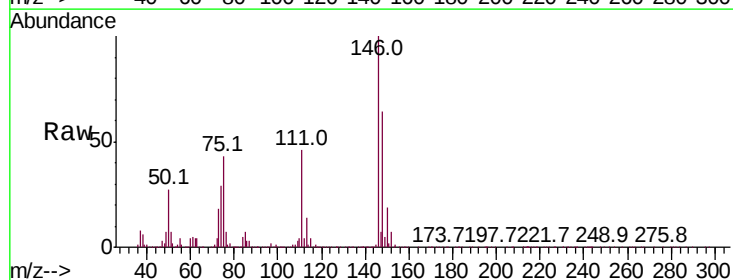
Tgt Ion:146 Resp: 220298

Ion Ratio Lower Upper

146 100

111 46.4 32.9 61.1

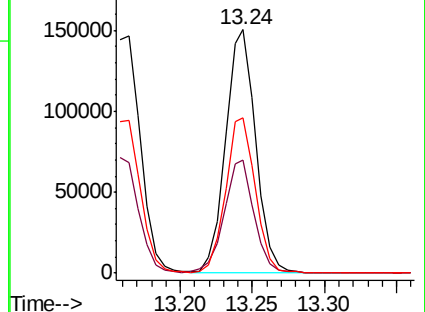
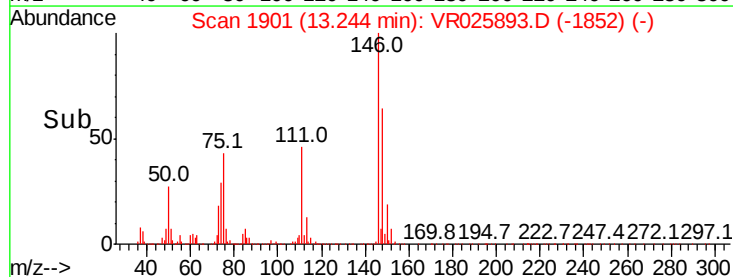
148 63.6 45.5 84.5

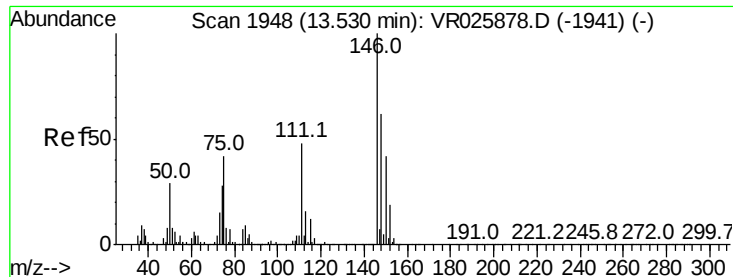


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.596 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR025893.D

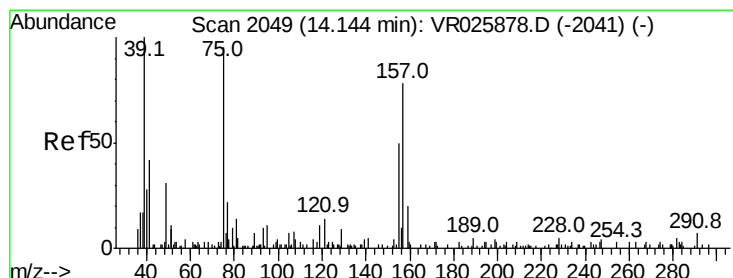
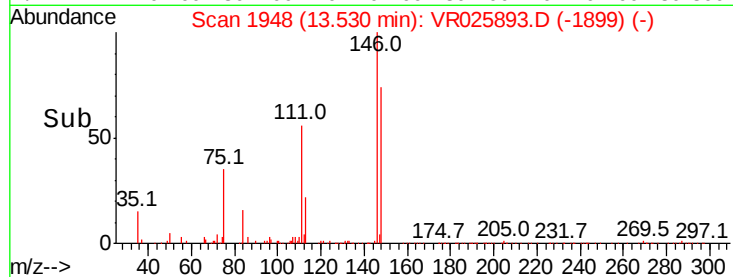
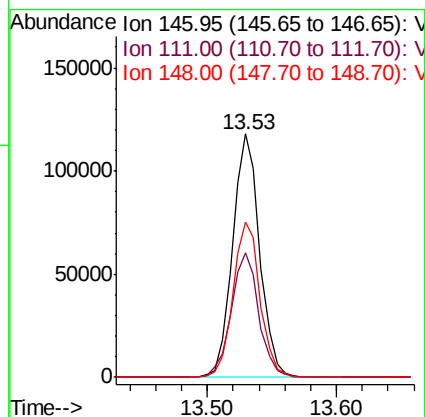
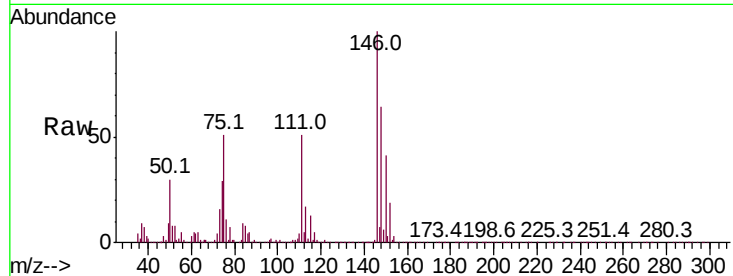
Acq: 28 Sep 2018 2:03

Instrument :

MSVOA_R

ClientSampled :

Tot Ion:	146	Resp:	172205
Ion	Ratio	Lower	Upper
146	100		
111	51.2	39.4	59.0
148	63.6	53.5	80.3



#66

1,2-Dibromo-3-chloropropane

Concen: 3.919 ug/L

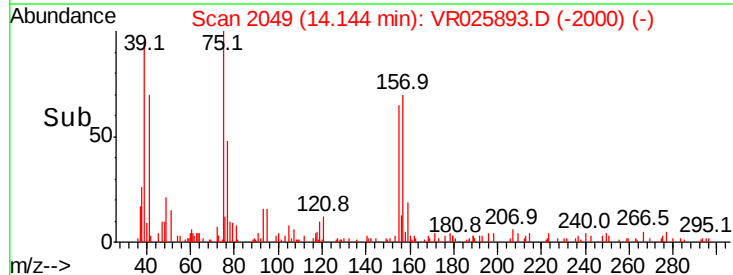
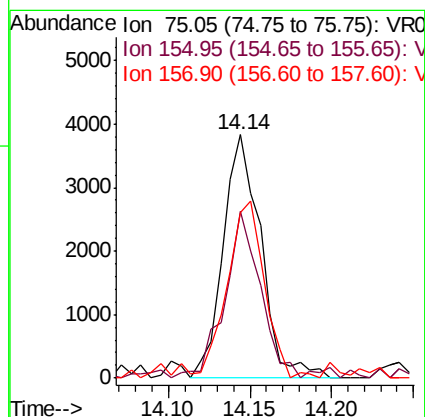
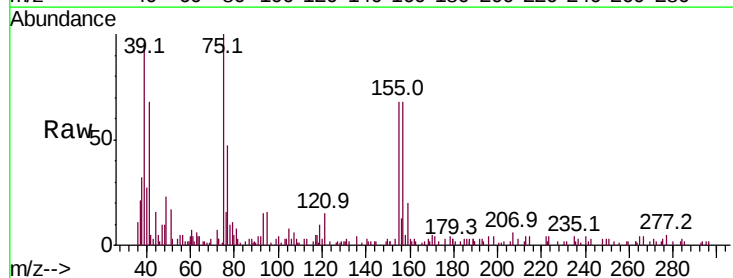
RT: 14.14 min Scan# 2049

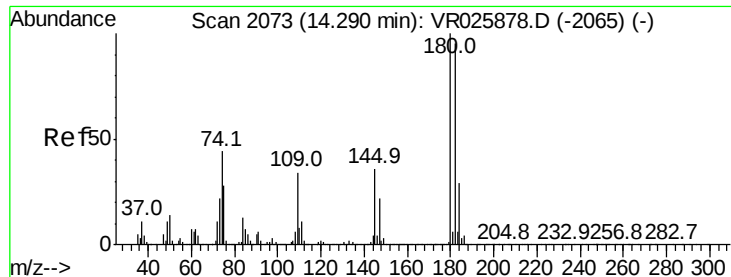
Delta R.T. 0.00 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Tgt Ion:	75	Resp:	6174
Ion	Ratio	Lower	Upper
75	100		
155	68.4	37.8	56.6#
157	68.1	49.7	74.5

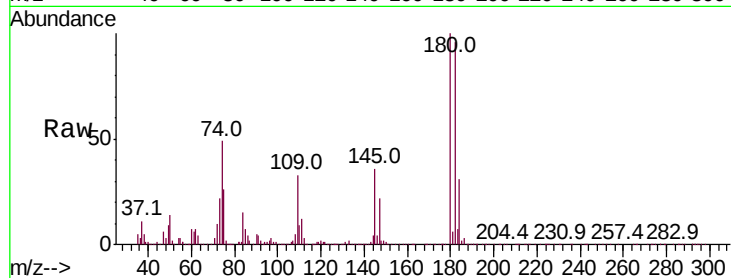




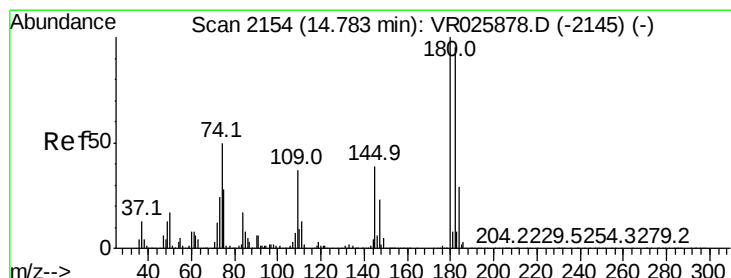
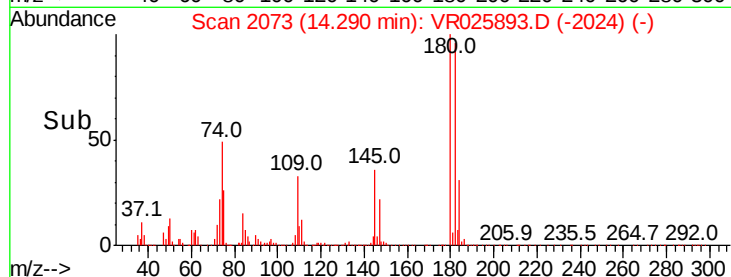
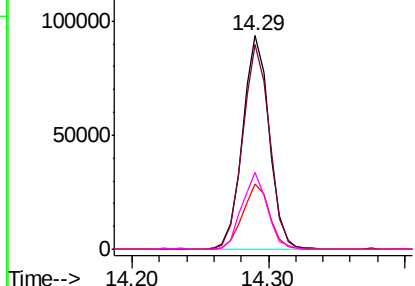
#67
 1,3,5-Trichlorobenzene
 Concen: 4.571 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025893.D
 Acq: 28 Sep 2018 2:03

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	180	Resp:	126977
Ion Ratio	Lower	Upper	
180	100		
182	97.3	77.2	115.8
184	30.9	24.5	36.7
145	34.5	31.1	46.7

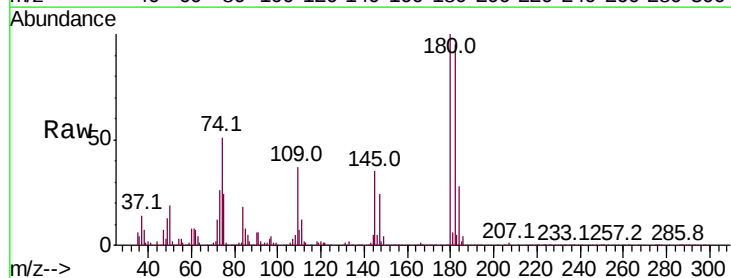


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

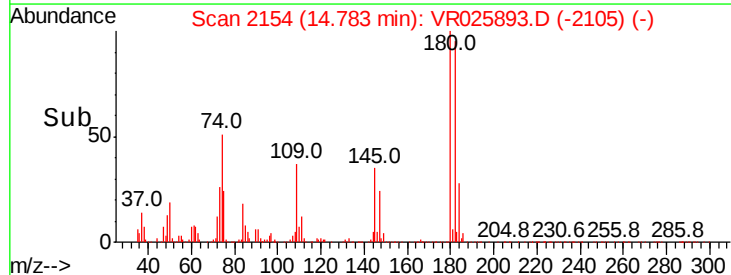
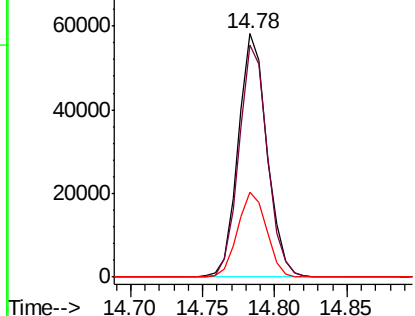


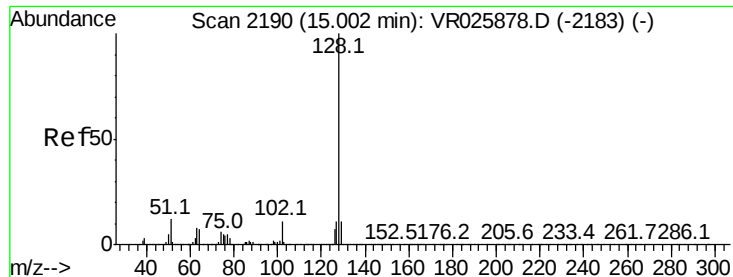
#68
 1,2,4-trichlorobenzene
 Concen: 4.534 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR025893.D
 Acq: 28 Sep 2018 2:03

Tgt Ion:	180	Resp:	80274
Ion Ratio	Lower	Upper	
180	100		
182	94.6	75.2	112.8
145	35.8	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: 4.773 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

Instrument :

MSVOA_R

ClientSampleId :

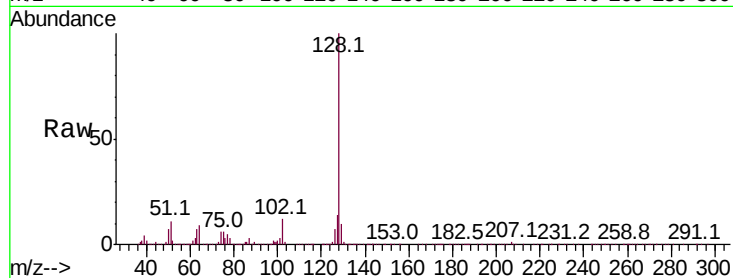
Tot Ion:128 Resp: 107860

Ion Ratio Lower Upper

128 100

127 12.4 10.5 15.7

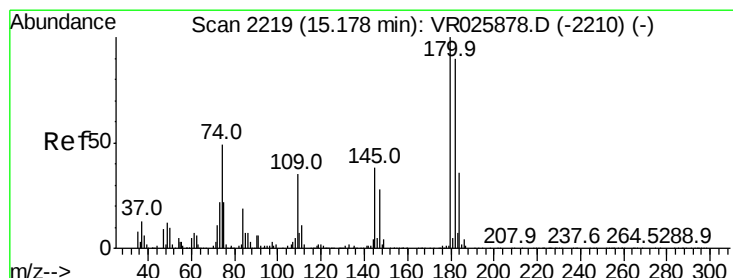
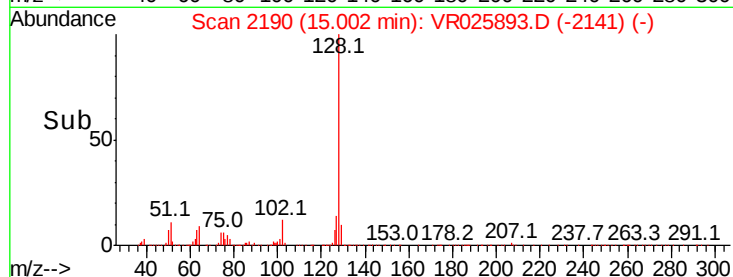
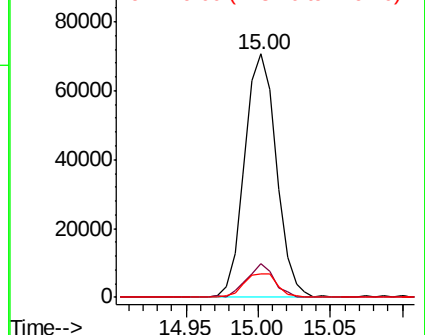
129 10.5 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.642 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025893.D

Acq: 28 Sep 2018 2:03

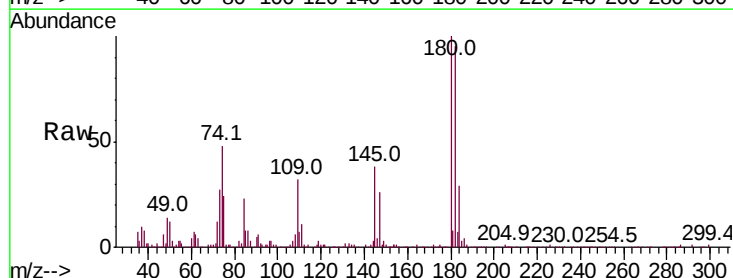
Tgt Ion:180 Resp: 57024

Ion Ratio Lower Upper

180 100

182 94.0 74.7 112.1

145 37.4 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

