

Data File : VR026193.D
Acq On : 6 Nov 2018 16:16
Operator : SY/MD
Sample : j5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Quant Time: Nov 06 17:20:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.29	114	383	5.00	ug/L	-0.17
28) Chlorobenzene-d5	11.27	117	140	5.00	ug/L	-0.02
60) 1,4-Dichlorobenzene-d4	13.15	152	239713	5.00	ug/L	-0.08

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	123	3.67	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.40%
7) Chloroethane-d5	2.62	69	87	3.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	60.40%#
11) 1,1-Dichloroethene-d2	3.61	63	204	2.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.60%#
20) 2-Butanone-d5	6.78	46	88	31.98	ug/L	0.19
Spiked Amount	50.000	Range	40 - 130	Recovery	=	63.96%
24) Chloroform-d	7.26	84	1342	25.19	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	503.80%#
26) 1,2-Dichloroethane-d4	7.88	65	307	13.85	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	277.00%#
32) Benzene-d6	7.85	84	109	2.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	48.40%#
36) 1,2-Dichloropropane-d6	8.89	67	248	21.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	427.00%#
41) Toluene-d8	9.96	98	224	5.27	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
43) trans-1,3-Dichloropropene-	10.26	79	379	124.46	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	2489.20%#
46) 2-Hexanone-d5	10.57	63	218	247.81	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	495.62%#
57) 1,1,2,2-Tetrachloroethane-	12.23	84	89534	19639.30	ug/L	-0.13
Spiked Amount	5.000	Range	65 - 120	Recovery	=	392786.00%#
64) 1,2-Dichlorobenzene-d4	13.45	152	204810	5.41	ug/L	-0.07
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	237	9.212	ug/L #	73
3) Chloromethane	2.01	50	200	4.896	ug/L #	43
5) Vinyl chloride	2.25	62	188	4.619	ug/L	94
6) Bromomethane	2.42	94	165	6.139	ug/L	94
8) Chloroethane	2.48	64	114	4.520	ug/L	89
9) Trichlorofluoromethane	2.96	101	98	1.668	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	3.70	101	197	5.624	ug/L #	4
12) 1,1-Dichloroethene	3.63	96	211	5.665	ug/L #	1
13) Acetone	3.74	43	426	149.746	ug/L	85
14) Carbon disulfide	3.95	76	230	2.362	ug/L #	1
15) Methyl Acetate	4.20	43	1572	211.533	ug/L #	1
16) Methylene chloride	4.21	84	794296	23518.167	ug/L #	1
17) Methyl tert-butyl Ether	4.89	73	212	6.270	ug/L #	32
18) trans-1,2-Dichloroethene	4.87	96	228	8.095	ug/L #	2
19) 1,1-Dichloroethane	5.70	63	315	5.957	ug/L #	45
21) 2-Butanone	6.68	43	355	108.170	ug/L	94
22) cis-1,2-Dichloroethene	6.69	96	483	18.129	ug/L #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

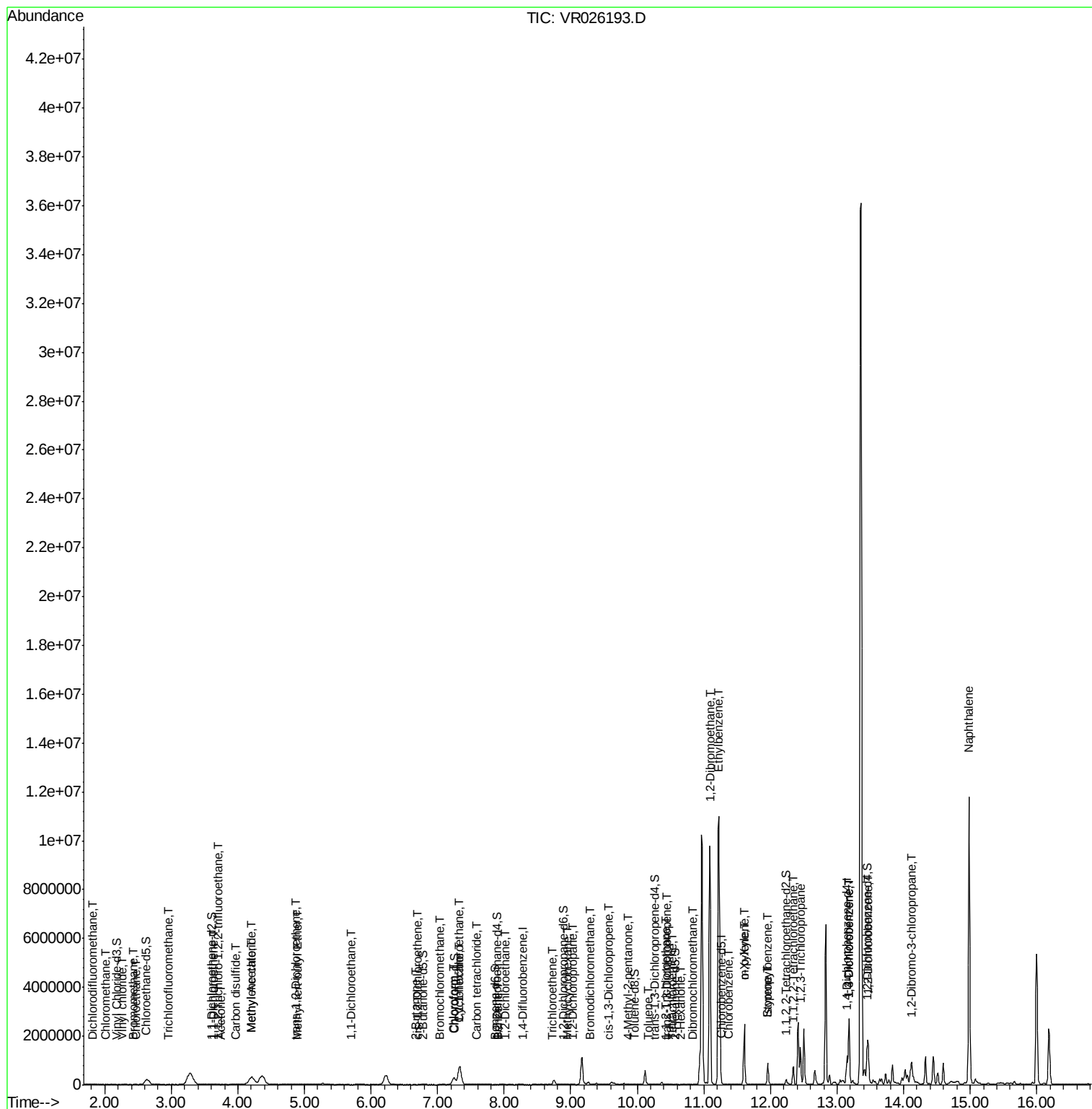
23) Bromochloromethane	7.04	128	74	9.901	ug/L #	27
25) Chloroform	7.25	83	41132	797.003	ug/L #	51
27) 1,2-Dichloroethane	8.02	62	132	5.225	ug/L #	1
29) 1,1,1-Trichloroethane	7.32	97	17582	919.061	ug/L #	41
30) Cyclohexane	7.32	56	143703	7483.399	ug/L #	32
31) Carbon tetrachloride	7.59	117	115	6.611	ug/L	91
33) Benzene	7.90	78	109	2.075	ug/L	100
34) Trichloroethene	8.71	95	94	6.991	ug/L #	58
35) Methylcyclohexane	8.94	83	176	8.792	ug/L #	16
37) 1,2-Dichloropropane	9.02	63	387	34.917	ug/L #	90
38) Bromodichloromethane	9.30	83	153	12.837	ug/L #	1
39) cis-1,3-Dichloropropene	9.57	75	240	18.920	ug/L	90
40) 4-Methyl-2-pentanone	9.86	43	788	232.811	ug/L #	79
42) Toluene	10.18	91	84	1.515	ug/L	86
44) trans-1,3-Dichloropropene	10.45	75	251	28.321	ug/L	83
45) 1,1,2-Trichloroethane	10.43	97	246	52.622	ug/L #	51
47) Tetrachloroethene	10.54	164	151	15.727	ug/L #	30
48) 2-Hexanone	10.65	43	1884	852.234	ug/L #	55
49) Dibromochloromethane	10.83	129	55	10.454	ug/L	93
50) 1,2-Dibromoethane	11.09	107	175949	43565.345	ug/L #	11
51) Chlorobenzene	11.38	112	7792	253.870	ug/L #	50
52) Ethylbenzene	11.22	91	6525017	102343.274	ug/L #	59
53) m,p-Xylene	11.61	106	574754	24742.698	ug/L	84
54) o-Xylene	11.61	106	574754	26988.534	ug/L	94
55) Styrene	11.96	104	19785	603.592	ug/L #	1
56) Isopropylbenzene	11.96	105	494704	8363.702	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.34	83	215	45.250	ug/L	82
59) 1,2,3-Trichloropropane	12.45	75	6680	1914.914	ug/L #	1
62) 1,3-Dichlorobenzene	13.16	146	168402	2.115	ug/L	97
63) 1,4-Dichlorobenzene	13.16	146	168402	2.042	ug/L	93
65) 1,2-Dichlorobenzene	13.47	146	474217	7.420	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.13	75	24533	9.421	ug/L #	17
69) Naphthalene	14.98	128	7367845	267.902	ug/L	96

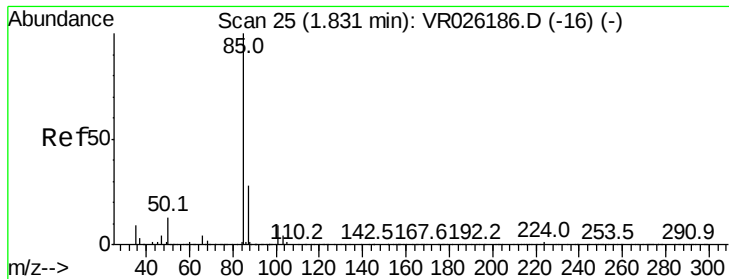
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 9.212 ug/L

RT: 1.82 min Scan# 23

Delta R.T. -0.01 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampled :

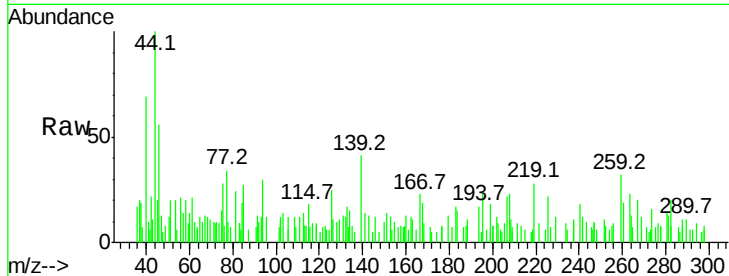
F9D05

Tgt Ion: 85 Resp: 237

Ion Ratio Lower Upper

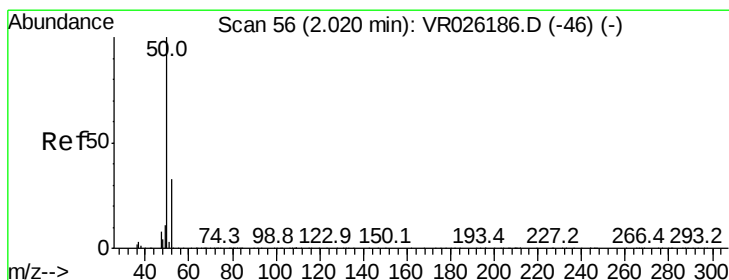
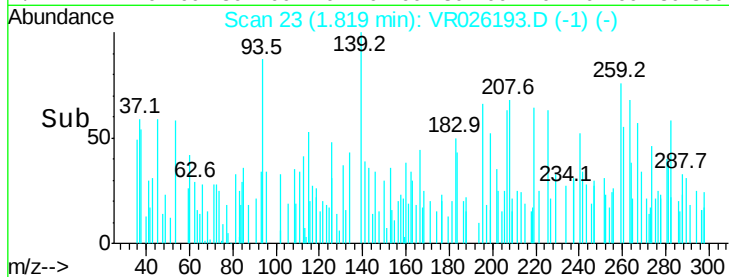
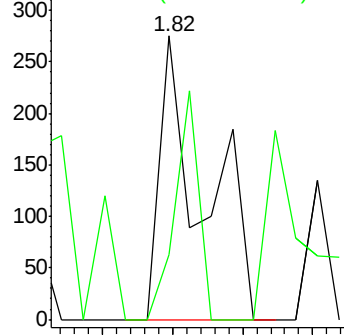
85 100

87 43.9 23.4 35.2#



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.896 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR026193.D

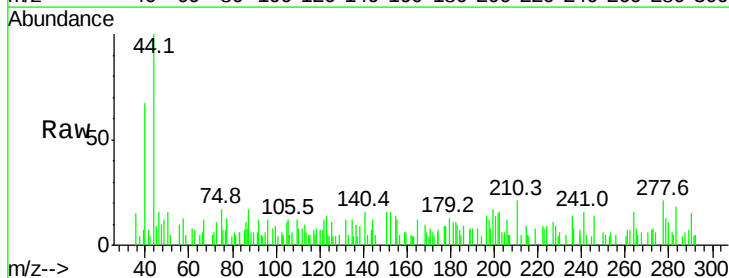
Acq: 6 Nov 2018 16:16

Tgt Ion: 50 Resp: 200

Ion Ratio Lower Upper

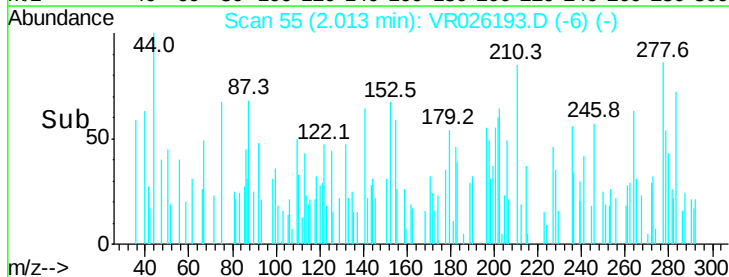
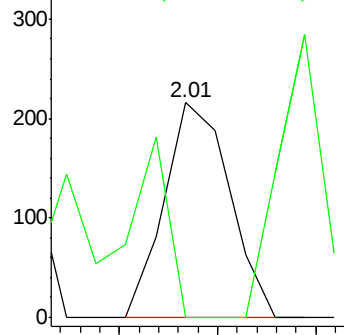
50 100

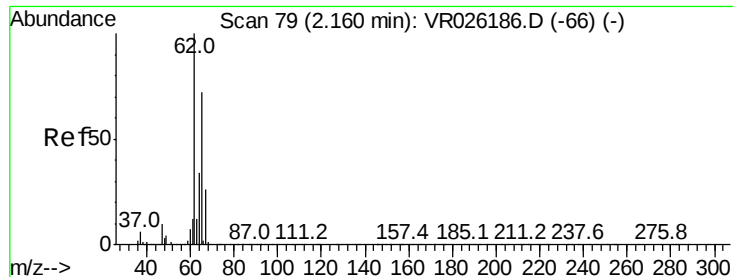
52 0.0 22.0 40.8#



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.619 ug/L

RT: 2.25 min Scan# 94

Delta R.T. 0.09 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampleId :

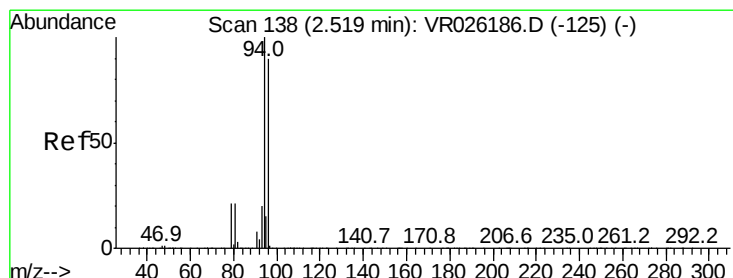
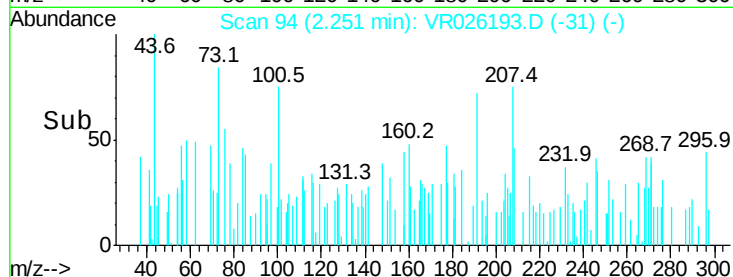
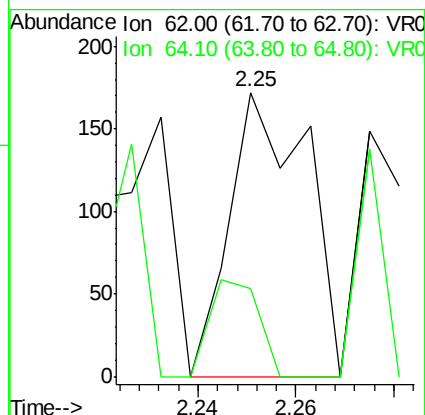
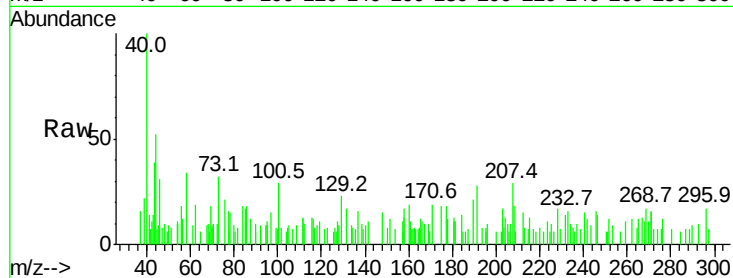
F9D05

Tgt Ion: 62 Resp: 188

Ion Ratio Lower Upper

62 100

64 30.8 23.9 44.3



#6

Bromomethane

Concen: 6.139 ug/L

RT: 2.42 min Scan# 122

Delta R.T. -0.10 min

Lab File: VR026193.D

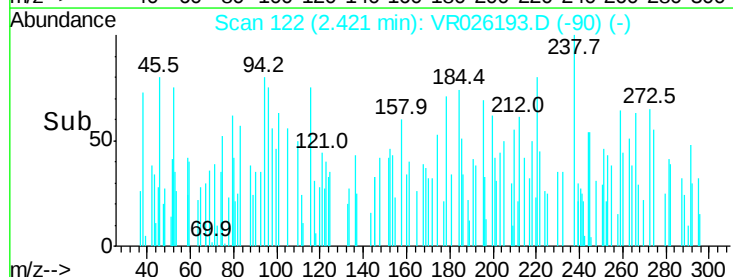
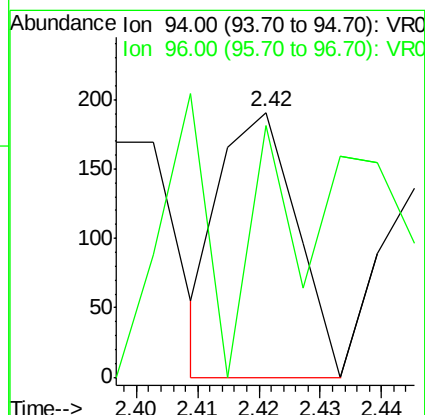
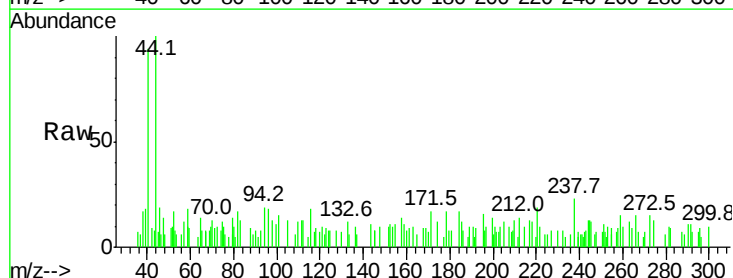
Acq: 6 Nov 2018 16:16

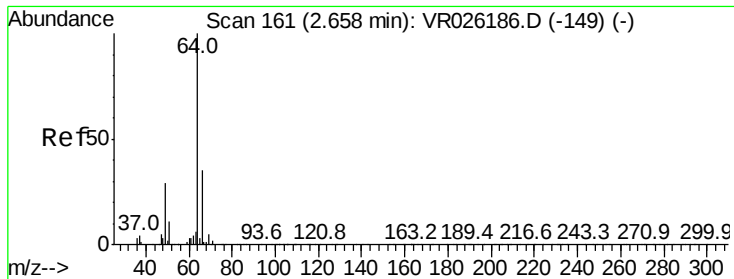
Tgt Ion: 94 Resp: 165

Ion Ratio Lower Upper

94 100

96 94.8 62.5 116.1





#8

Chloroethane

Concen: 4.520 ug/L

RT: 2.48 min Scan# 132

Delta R.T. -0.17 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampled :

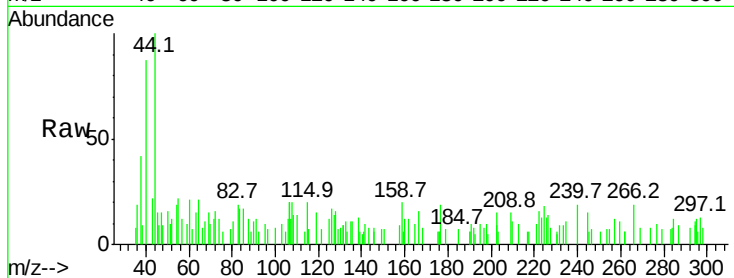
F9D05

Tgt Ion: 64 Resp: 114

Ion Ratio Lower Upper

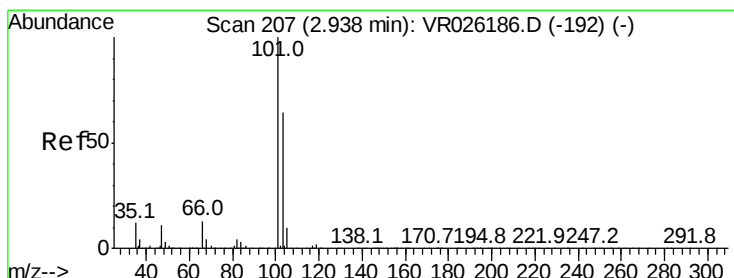
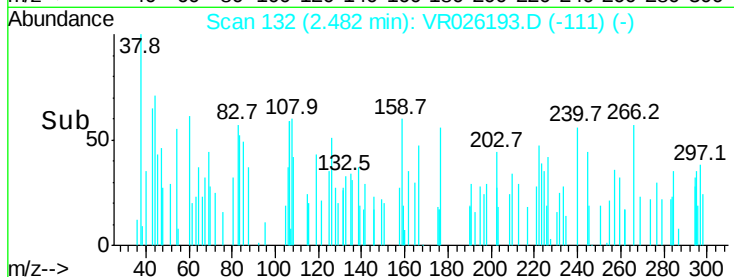
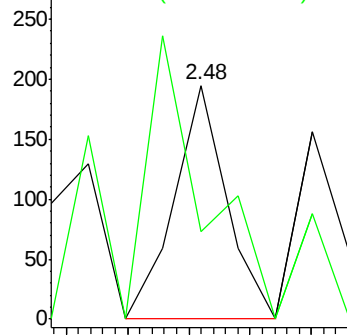
64 100

66 37.4 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 1.668 ug/L

RT: 2.96 min Scan# 210

Delta R.T. 0.02 min

Lab File: VR026193.D

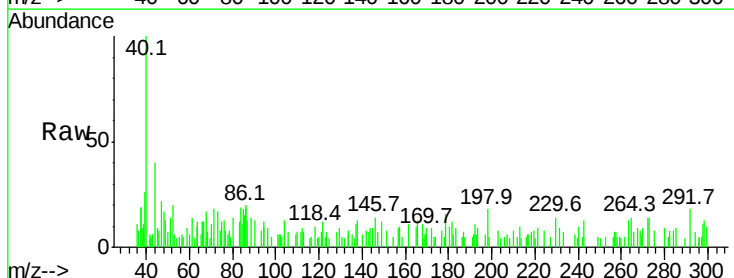
Acq: 6 Nov 2018 16:16

Tgt Ion: 101 Resp: 98

Ion Ratio Lower Upper

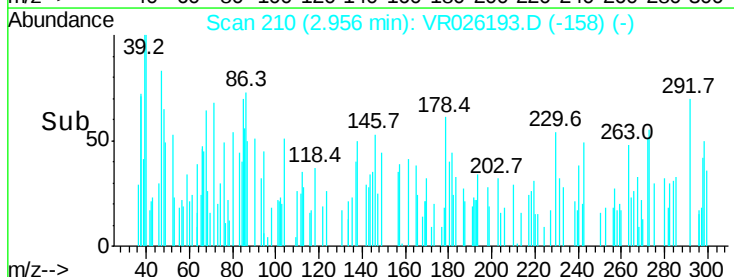
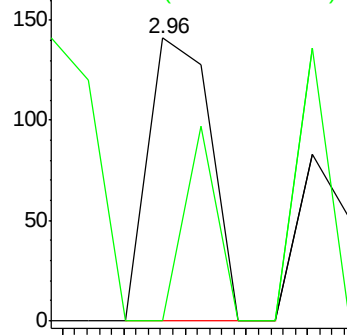
101 100

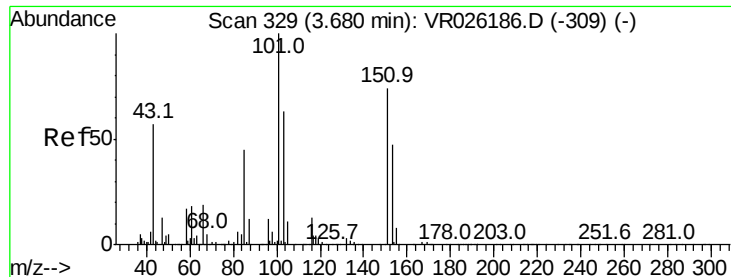
103 35.7 26.0 39.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 5.624 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.02 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampleId :

F9D05

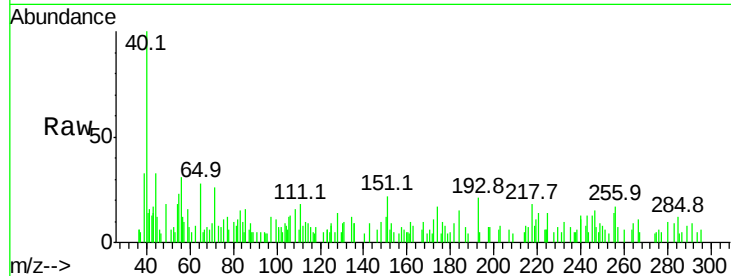
Tgt Ion:101 Resp: 197

Ion Ratio Lower Upper

101 100

85 156.3 37.8 56.8#

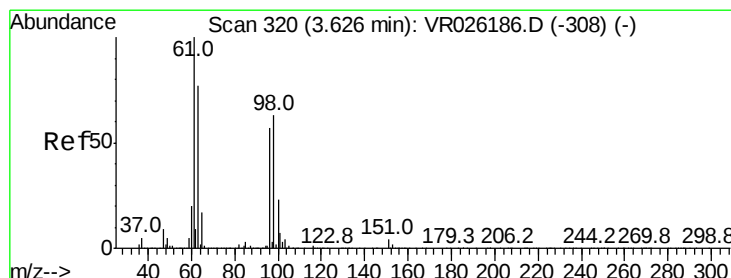
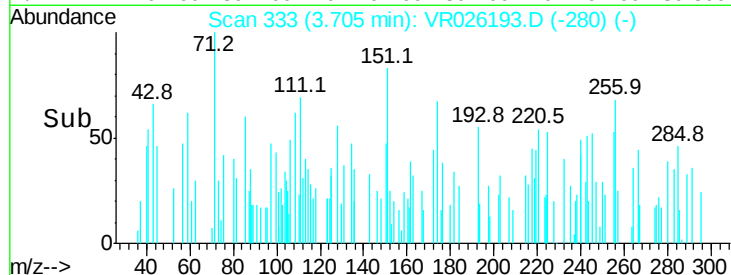
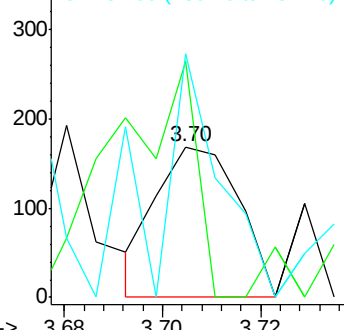
151 128.4 63.2 94.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.665 ug/L

RT: 3.63 min Scan# 321

Delta R.T. 0.01 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

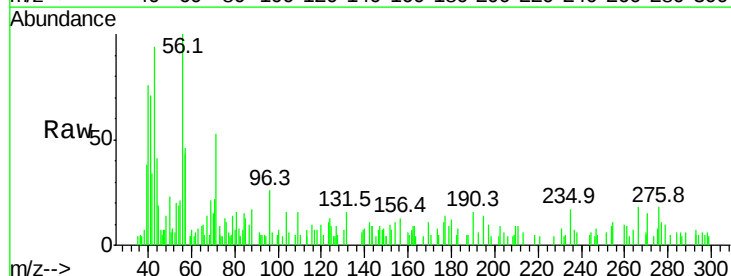
Tgt Ion: 96 Resp: 211

Ion Ratio Lower Upper

96 100

61 36.5 126.7 235.3#

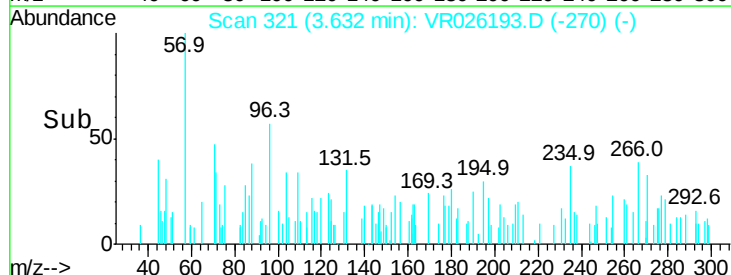
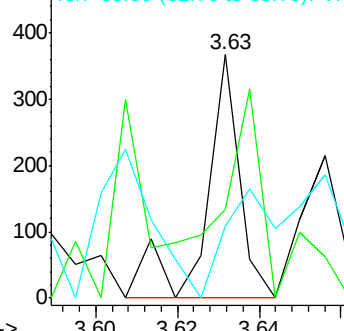
63 29.7 125.0 232.2#

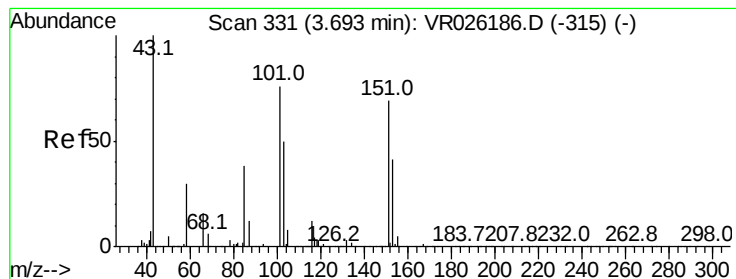


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 149.746 ug/L

RT: 3.74 min Scan# 339

Delta R.T. 0.04 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

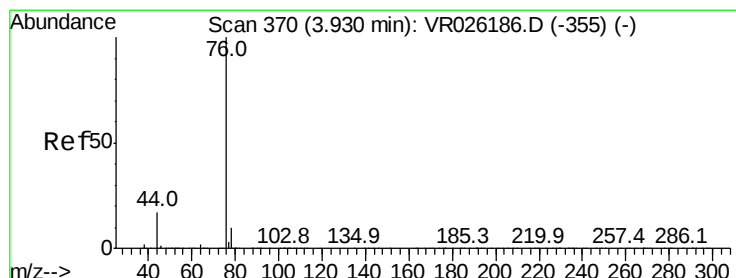
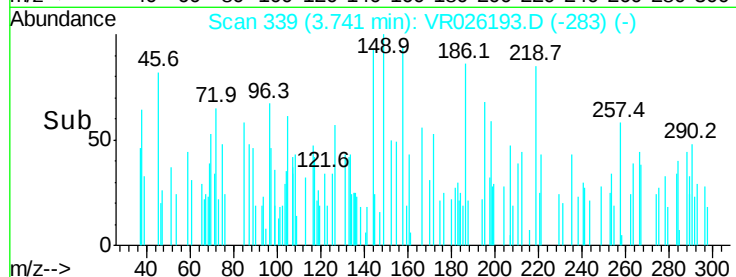
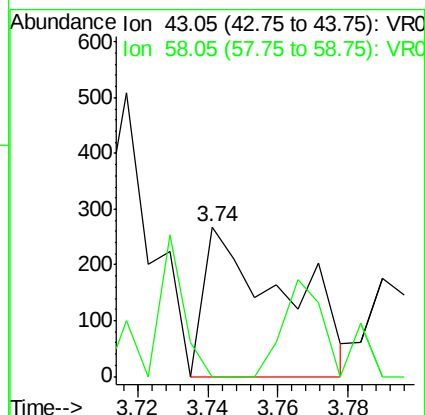
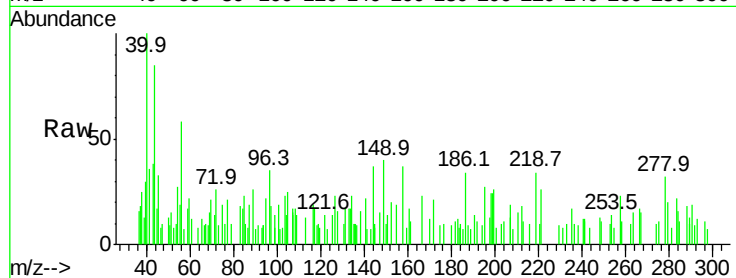
Instrument :
MSVOA_R
ClientSampled :
F9D05

Tgt Ion: 43 Resp: 426

Ion Ratio Lower Upper

43 100

58 35.4 0.0 55.4



#14

Carbon disulfide

Concen: 2.362 ug/L

RT: 3.95 min Scan# 374

Delta R.T. 0.02 min

Lab File: VR026193.D

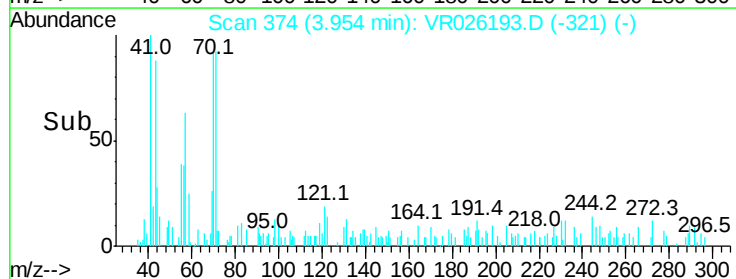
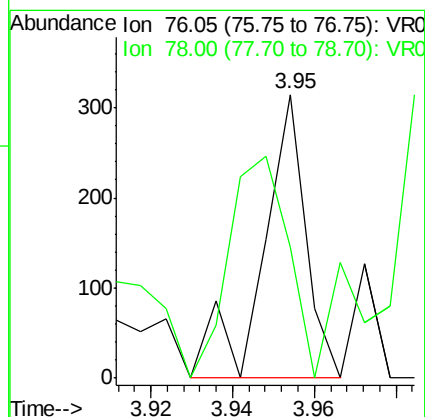
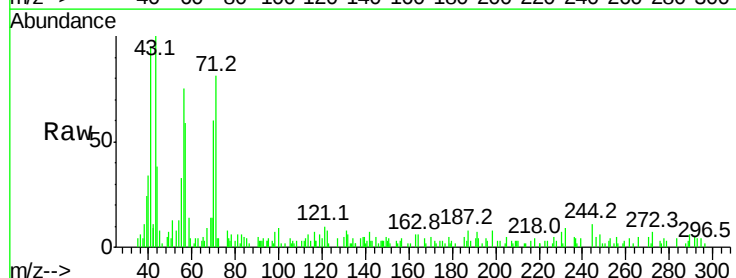
Acq: 6 Nov 2018 16:16

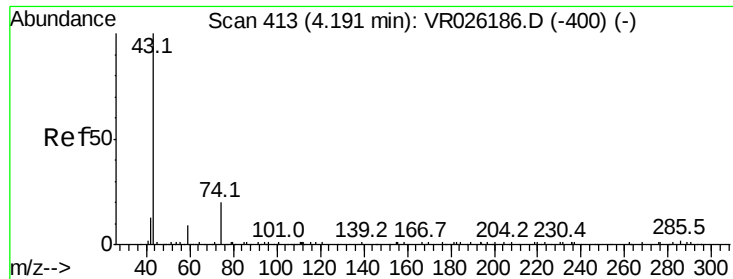
Tgt Ion: 76 Resp: 230

Ion Ratio Lower Upper

76 100

78 46.0 7.6 11.4#

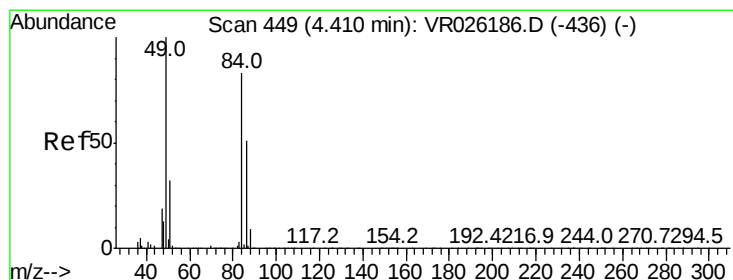
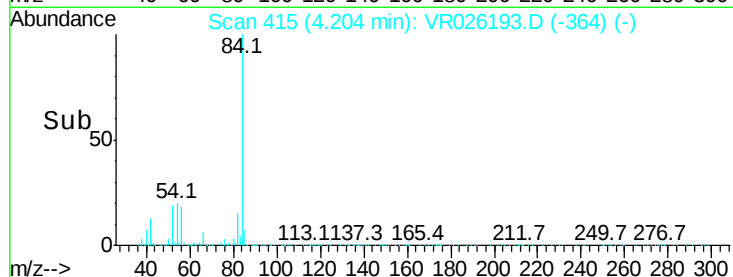
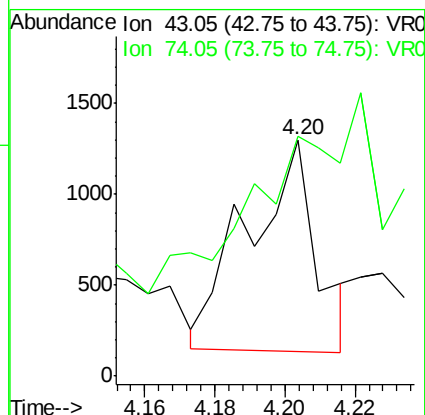
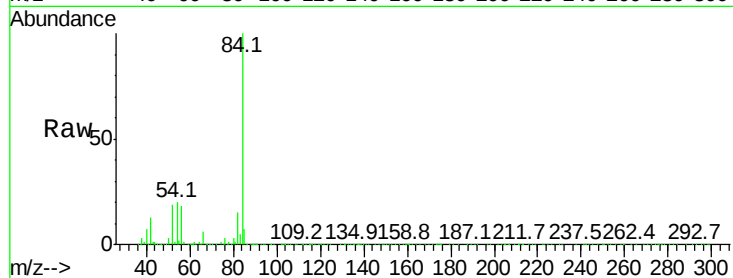




#15
Methyl Acetate
Concen: 211.533 ug/L
RT: 4.20 min Scan# 415
Delta R.T. 0.01 min
Lab File: VR026193.D
Acq: 6 Nov 2018 16:16

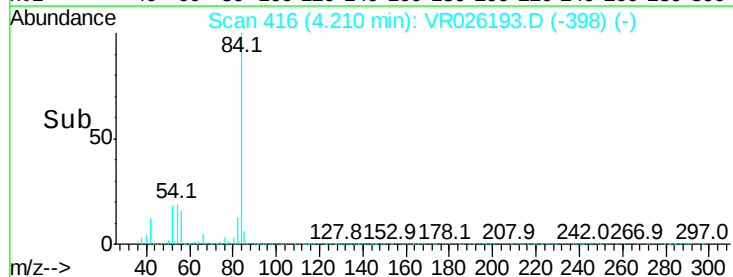
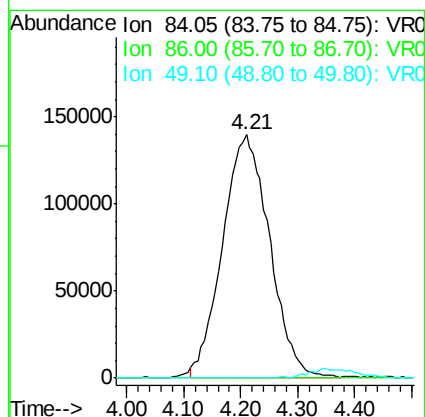
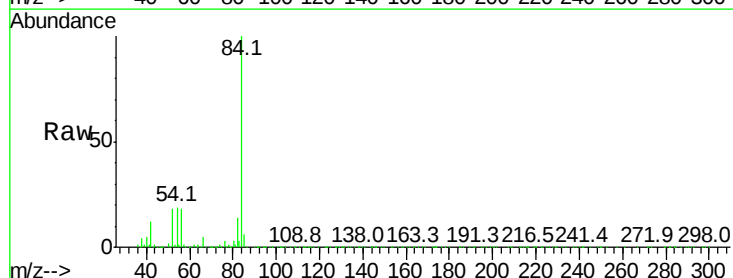
Instrument :
MSVOA_R
ClientSampleId :
F9D05

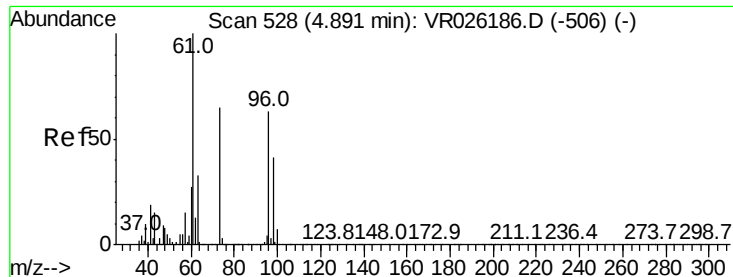
Tgt Ion: 43 Resp: 1572
Ion Ratio Lower Upper
43 100
74 151.6 19.8 29.8#



#16
Methylene chloride
Concen: 23518.167 ug/L
RT: 4.21 min Scan# 416
Delta R.T. -0.19 min
Lab File: VR026193.D
Acq: 6 Nov 2018 16:16

Tgt Ion: 84 Resp: 794296
Ion Ratio Lower Upper
84 100
86 0.2 43.0 79.8#
49 0.0 89.1 165.5#





#17

Methyl tert-butyl Ether

Concen: 6.270 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.00 min

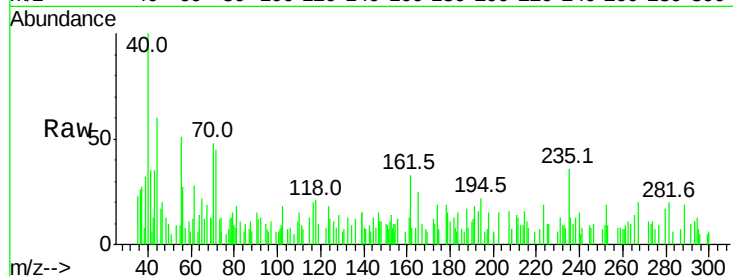
Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Tgt Ion: 73 Resp: 212

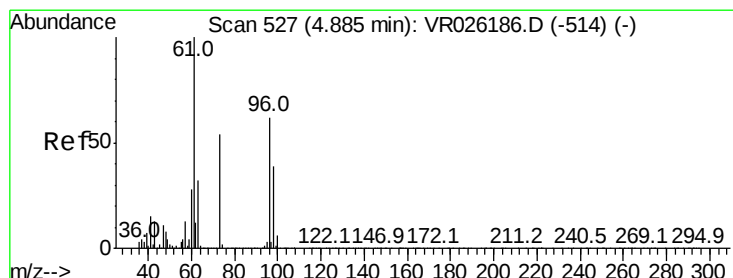
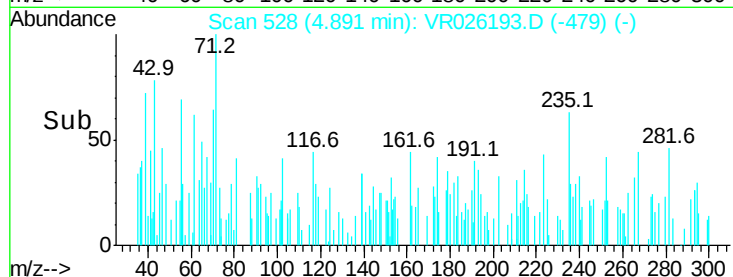
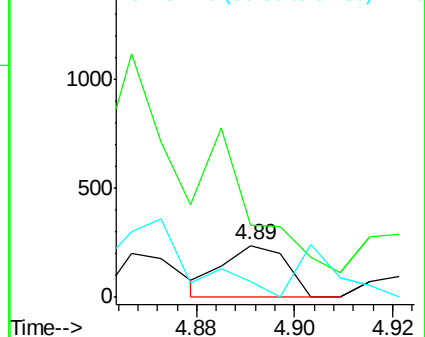
Ion	Ratio	Lower	Upper
73	100		
43	0.0	20.1	30.1#
57	66.5	19.0	28.4#



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 8.095 ug/L

RT: 4.87 min Scan# 525

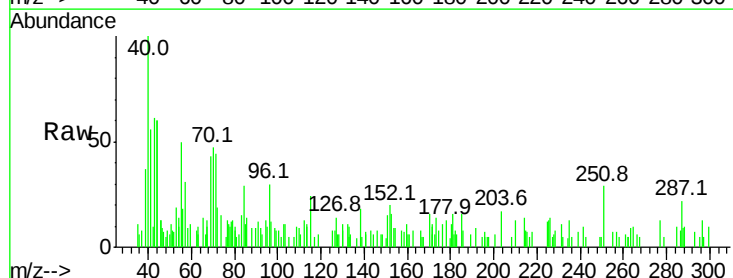
Delta R.T. -0.01 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Tgt Ion: 96 Resp: 228

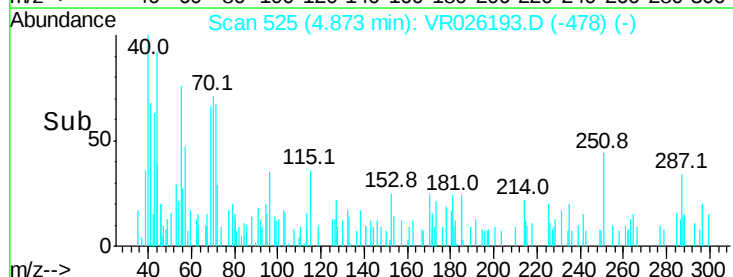
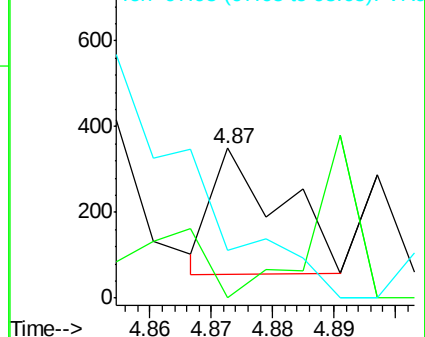
Ion	Ratio	Lower	Upper
96	100		
61	0.0	111.4	206.8#
98	31.5	41.4	77.0#

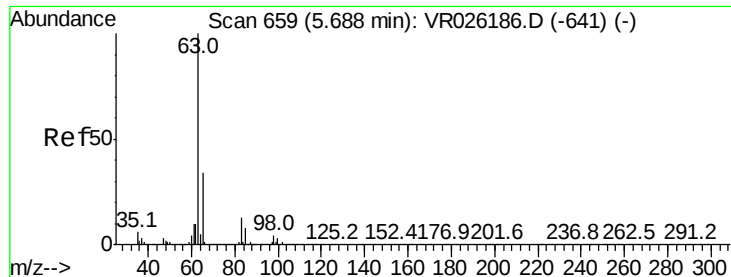


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0





#19

1,1-Dichloroethane

Concen: 5.957 ug/L

RT: 5.70 min Scan# 661

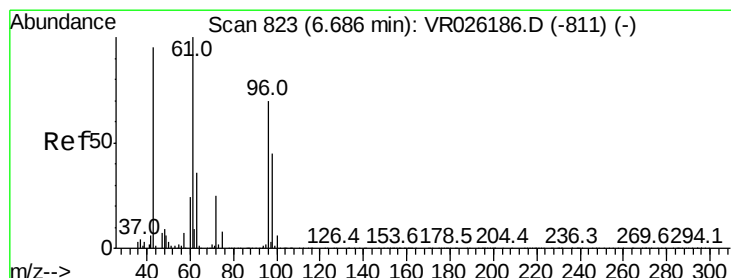
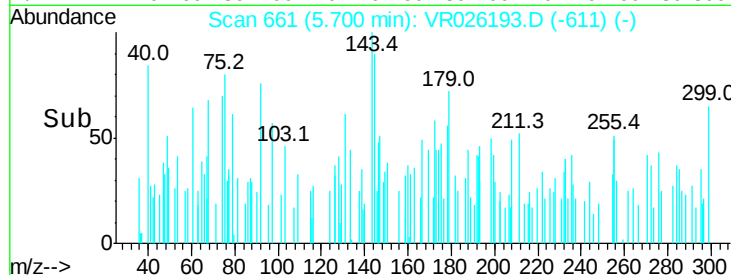
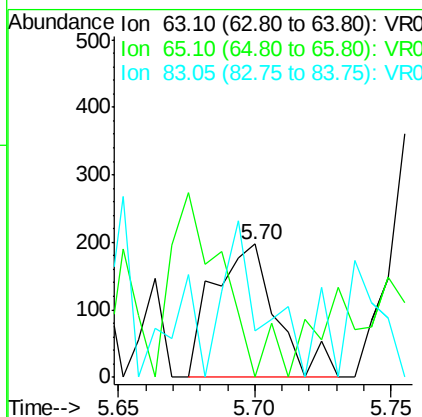
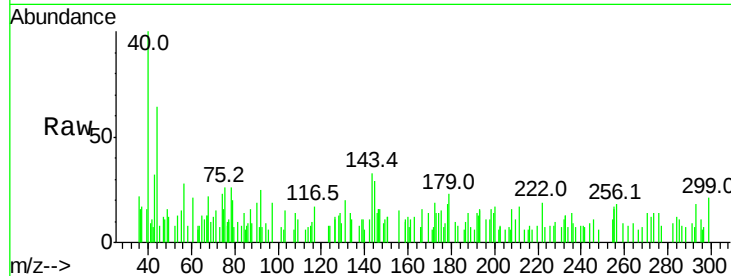
Delta R.T. 0.01 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :
MSVOA_R
ClientSampled :
F9D05

Tgt Ion:	63	Resp:	315
Ion	Ratio	Lower	Upper
63	100		
65	0.0	21.2	39.4#
83	34.5	9.2	17.2#



#21

2-Butanone

Concen: 108.170 ug/L

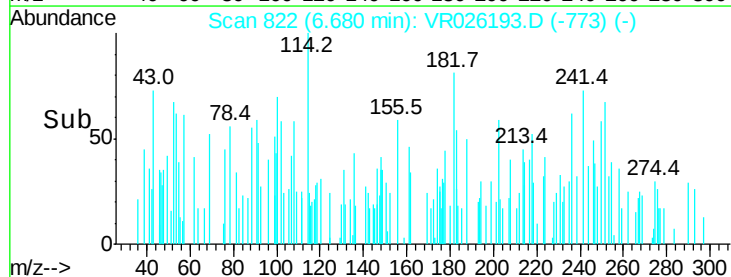
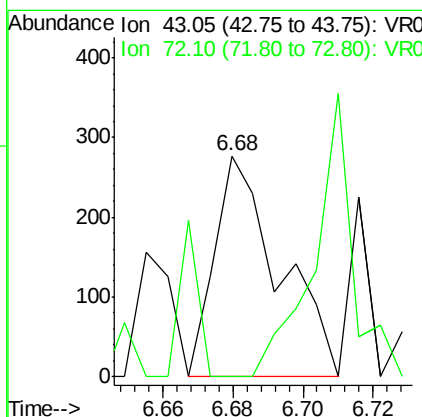
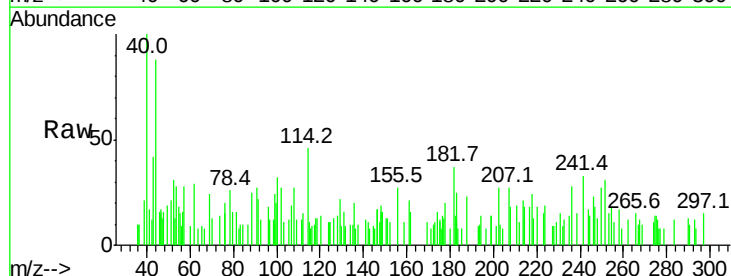
RT: 6.68 min Scan# 822

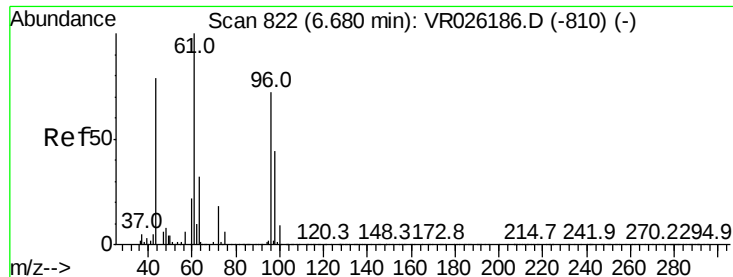
Delta R.T. -0.00 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Tgt Ion:	43	Resp:	355
Ion	Ratio	Lower	Upper
43	100		
72	27.3	12.3	36.8





#22

cis-1,2-Dichloroethene

Concen: 18.129 ug/L

RT: 6.69 min Scan# 824

Delta R.T. 0.02 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampled :

F9D05

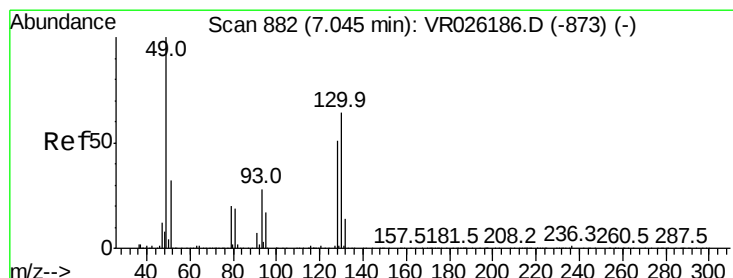
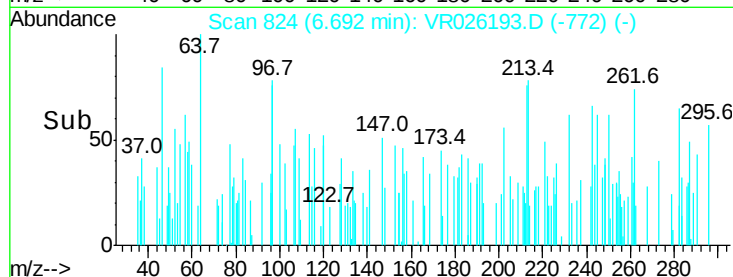
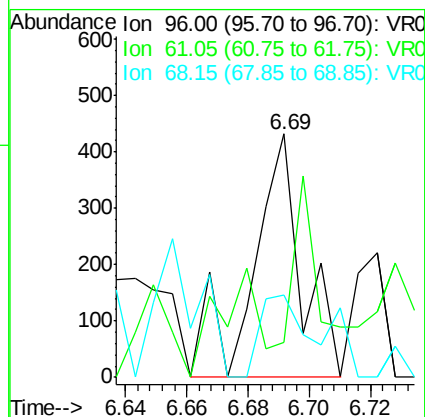
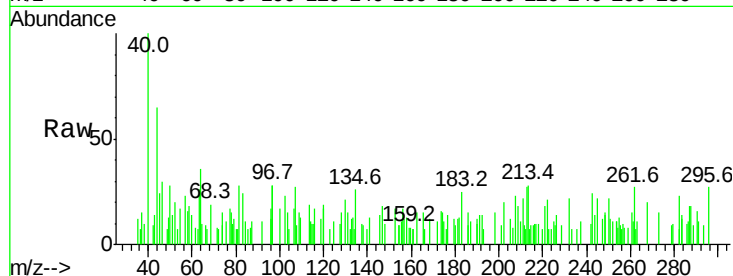
Tgt Ion: 96 Resp: 483

Ion Ratio Lower Upper

96 100

61 9.7 101.8 189.0#

68 22.7 0.1 0.3#



#23

Bromochloromethane

Concen: 9.901 ug/L

RT: 7.04 min Scan# 881

Delta R.T. -0.01 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Tgt Ion: 128 Resp: 74

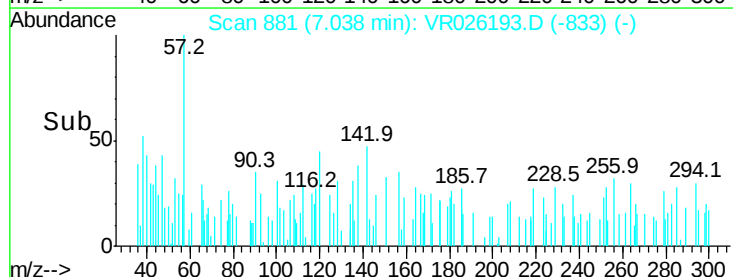
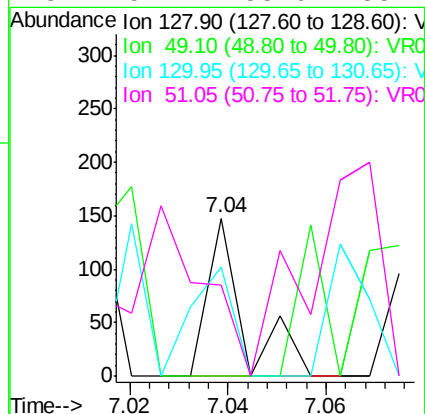
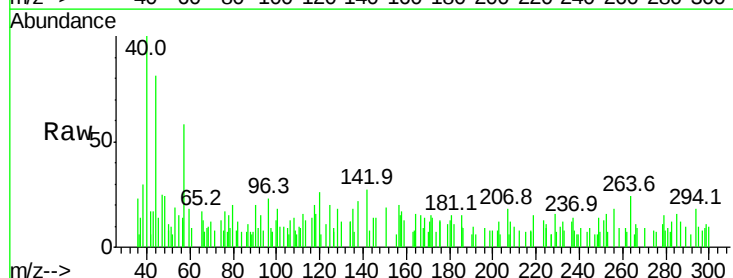
Ion Ratio Lower Upper

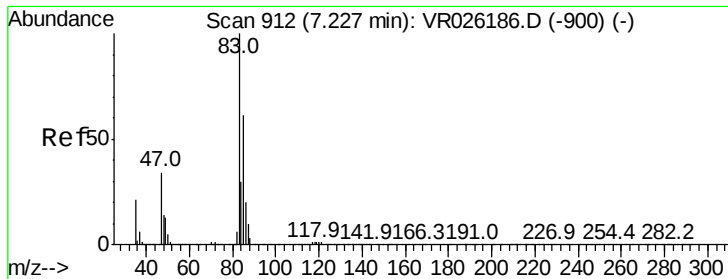
128 100

49 44.6 146.2 271.4#

130 68.9 92.5 171.7#

51 57.4 55.6 83.4





#25

Chloroform

Concen: 797.003 ug/L

RT: 7.25 min Scan# 916

Delta R.T. 0.02 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampled :

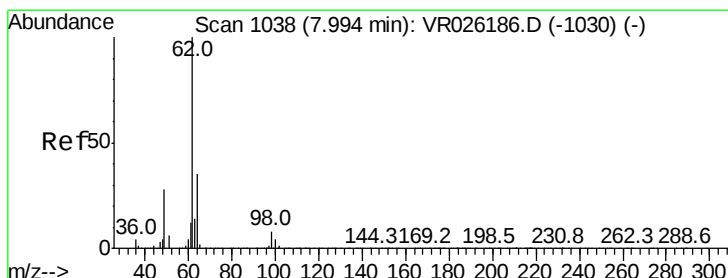
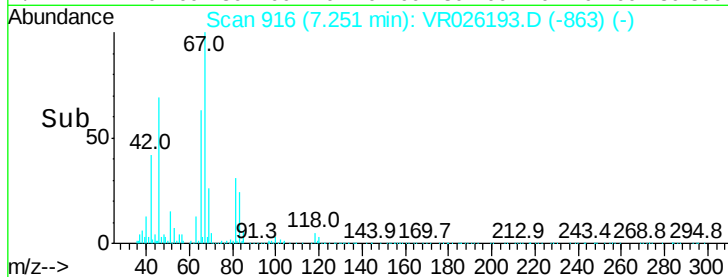
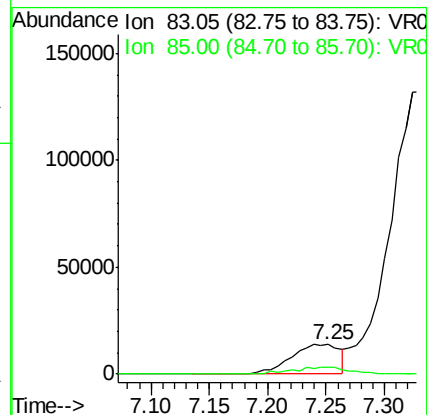
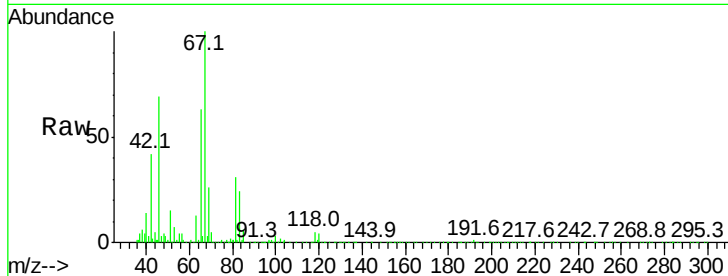
F9D05

Tgt Ion: 83 Resp: 41132

Ion Ratio Lower Upper

83 100

85 24.5 43.5 80.7#



#27

1,2-Dichloroethane

Concen: 5.225 ug/L

RT: 8.02 min Scan# 1042

Delta R.T. 0.02 min

Lab File: VR026193.D

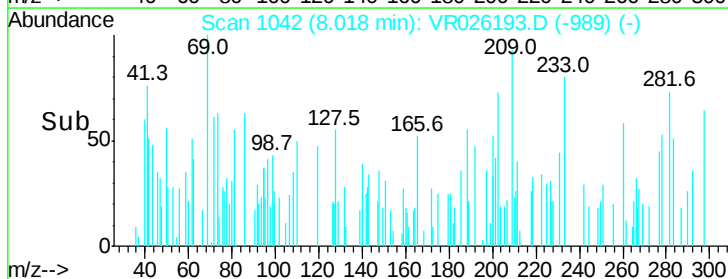
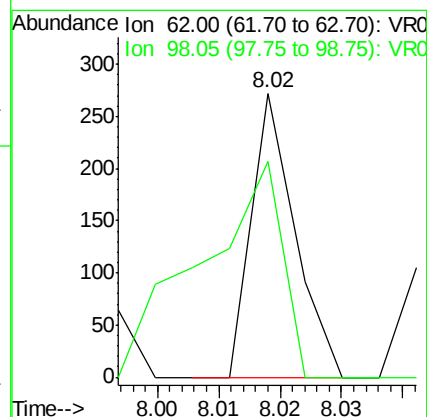
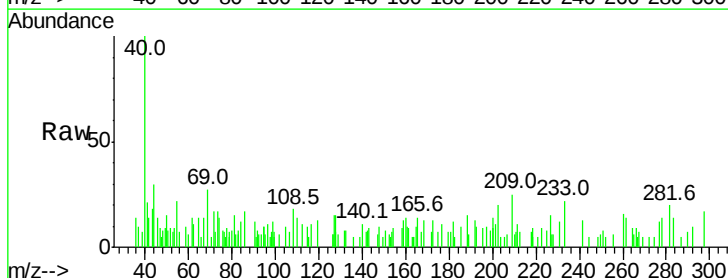
Acq: 6 Nov 2018 16:16

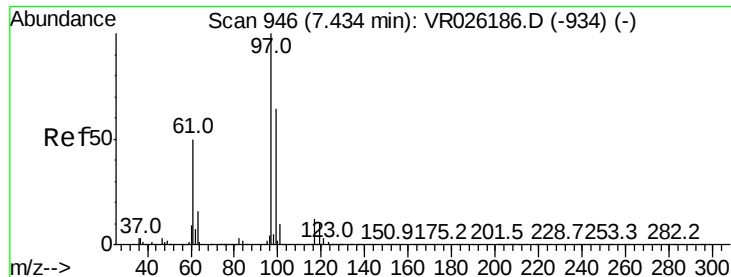
Tgt Ion: 62 Resp: 132

Ion Ratio Lower Upper

62 100

98 76.1 5.6 8.4#

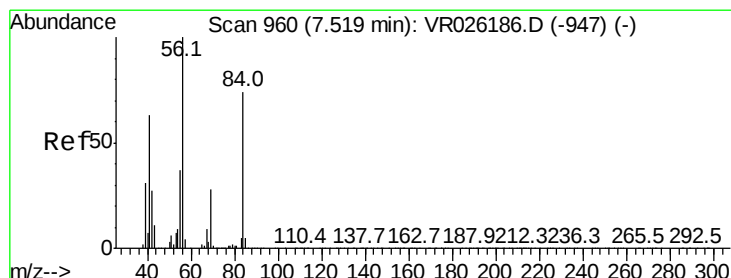
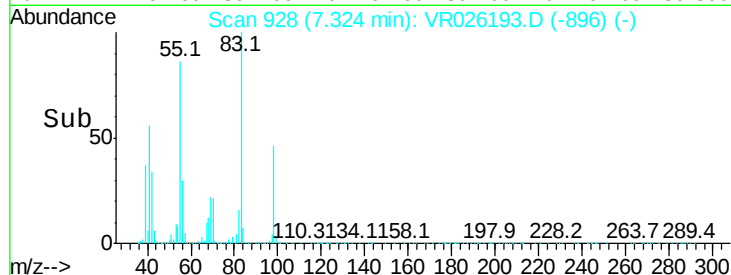
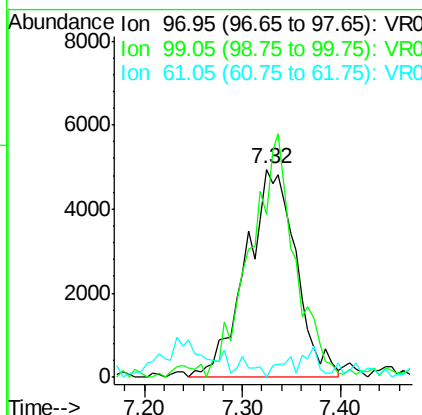
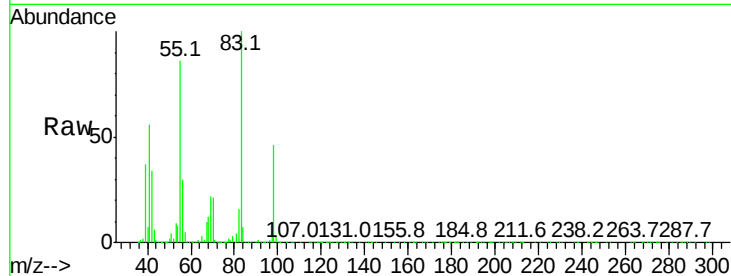




#29
 1,1,1-Trichloroethane
 Concen: 919.061 ug/L
 RT: 7.32 min Scan# 928
 Delta R.T. -0.10 min
 Lab File: VR026193.D
 Acq: 6 Nov 2018 16:16

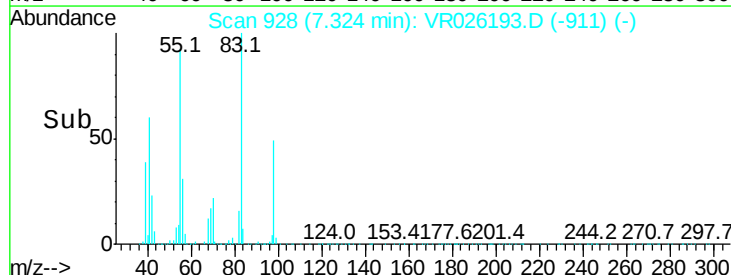
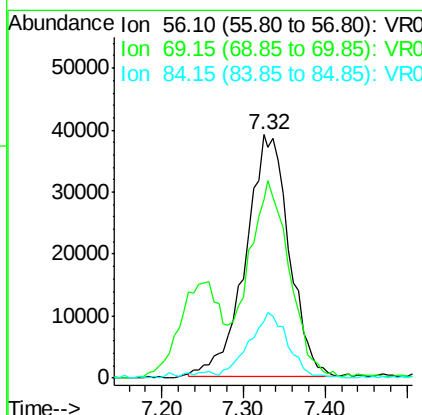
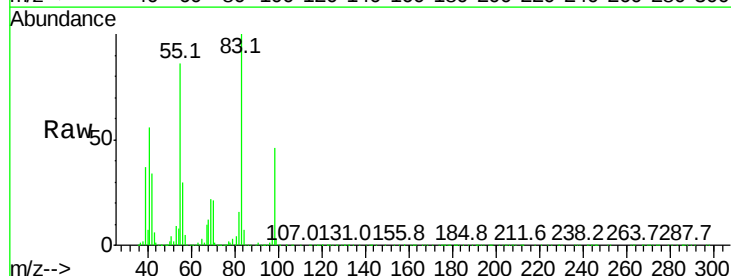
Instrument :
 MSVOA_R
 ClientSampleId :
 F9D05

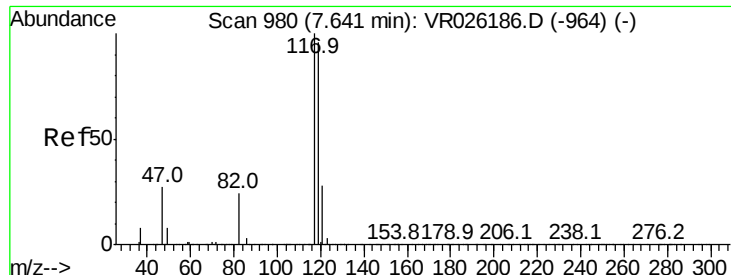
Tgt Ion: 97 Resp: 17582
 Ion Ratio Lower Upper
 97 100
 99 102.6 51.1 76.7#
 61 3.2 42.1 63.1#



#30
 Cyclohexane
 Concen: 7483.399 ug/L
 RT: 7.32 min Scan# 928
 Delta R.T. -0.19 min
 Lab File: VR026193.D
 Acq: 6 Nov 2018 16:16

Tgt Ion: 56 Resp: 143703
 Ion Ratio Lower Upper
 56 100
 69 75.5 23.8 35.8#
 84 24.0 62.2 93.4#





#31

Carbon tetrachloride

Concen: 6.611 ug/L

RT: 7.59 min Scan# 972

Delta R.T. -0.04 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampled :

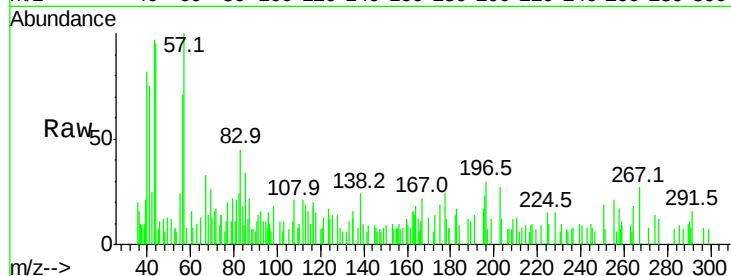
F9D05

Tgt Ion:117 Resp: 115

Ion Ratio Lower Upper

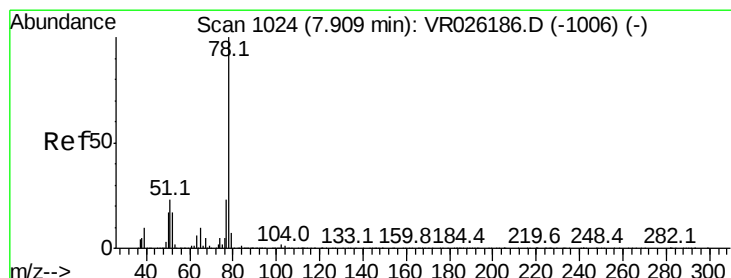
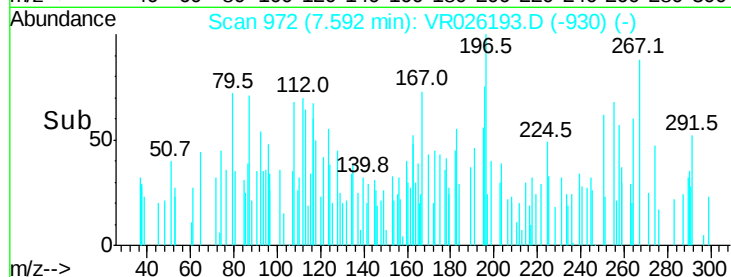
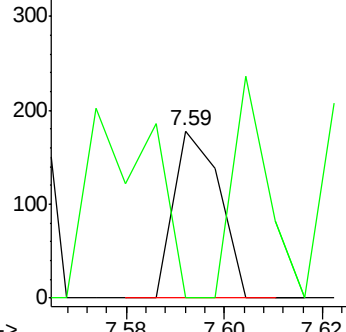
117 100

119 100.9 74.2 111.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 2.075 ug/L

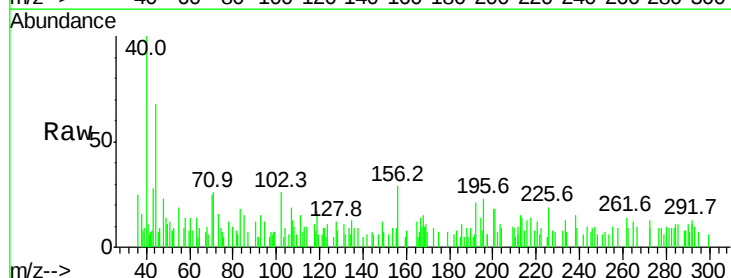
RT: 7.90 min Scan# 1023

Delta R.T. -0.01 min

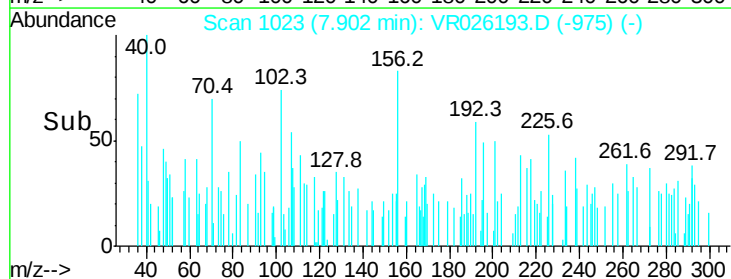
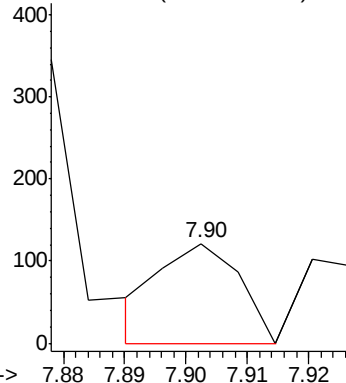
Lab File: VR026193.D

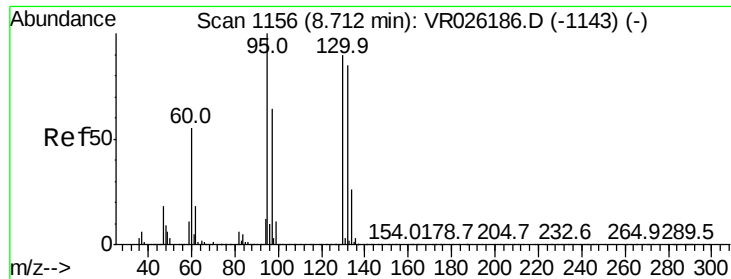
Acq: 6 Nov 2018 16:16

Tgt Ion: 78 Resp: 109



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 6.991 ug/L

RT: 8.71 min Scan# 1156

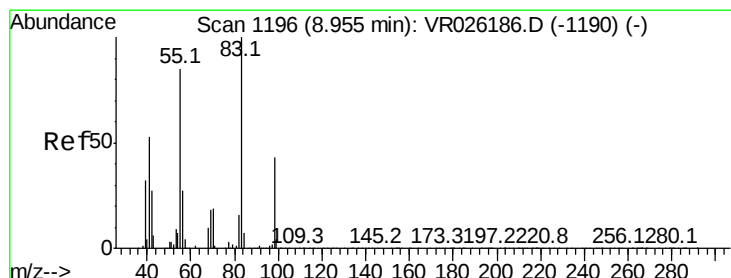
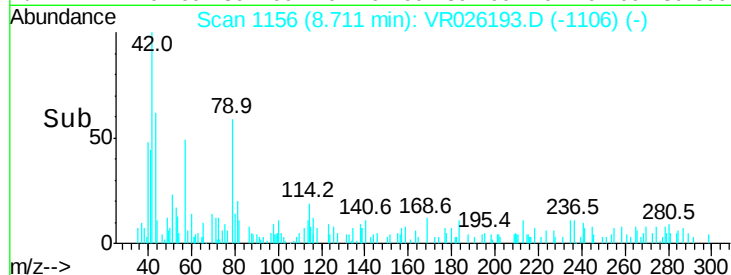
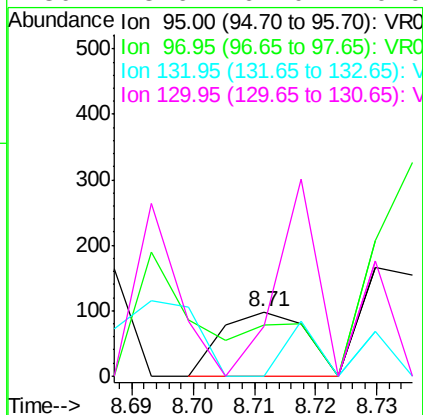
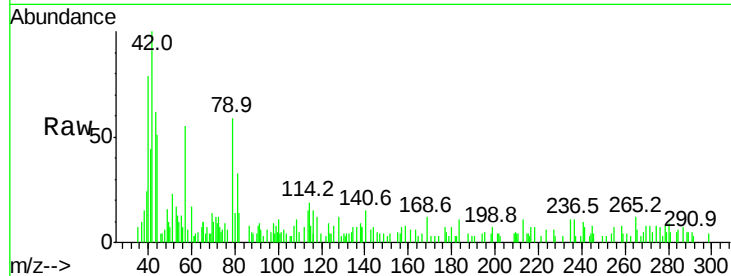
Delta R.T. 0.01 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Tgt Ion:	95	Resp:	94
Ion	Ratio	Lower	Upper
95	100		
97	80.6	45.7	84.9
132	0.0	58.3	108.3#
130	78.6	64.0	119.0



#35

Methylcyclohexane

Concen: 8.792 ug/L

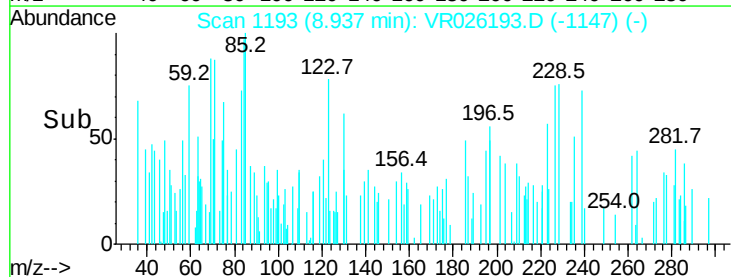
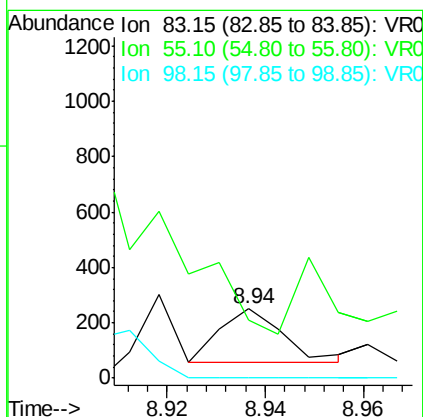
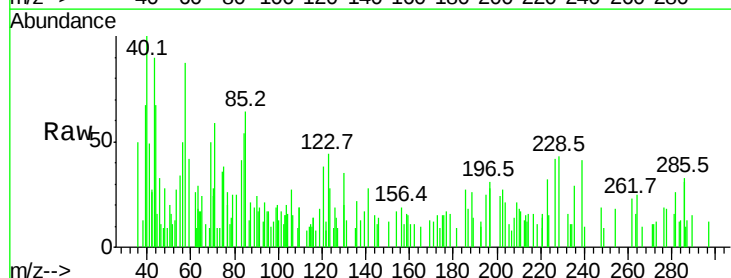
RT: 8.94 min Scan# 1193

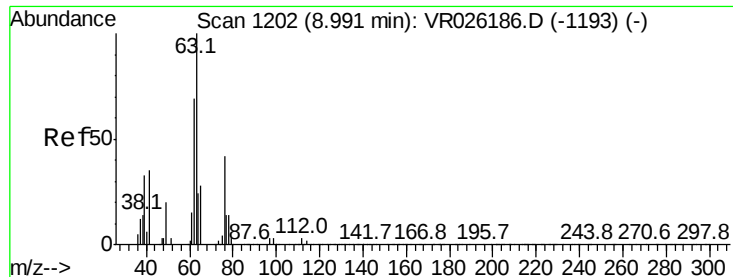
Delta R.T. -0.02 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Tgt Ion:	83	Resp:	176
Ion	Ratio	Lower	Upper
83	100		
55	0.0	66.8	100.2#
98	0.0	35.2	52.8#





#37

1,2-Dichloropropane

Concen: 34.917 ug/L

RT: 9.02 min Scan# 1207

Delta R.T. 0.03 min

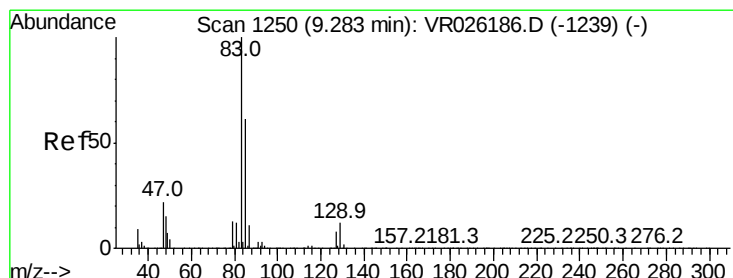
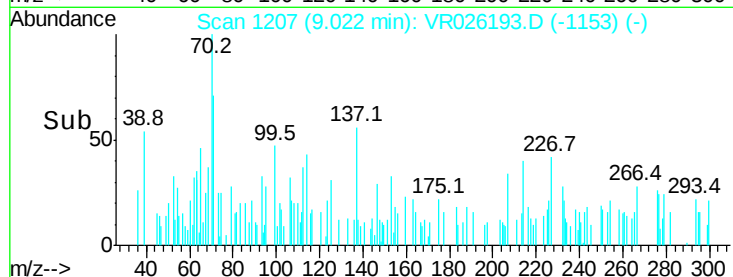
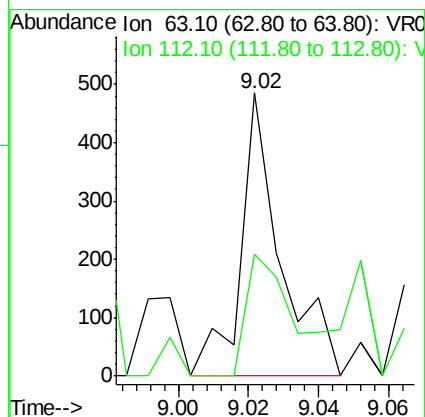
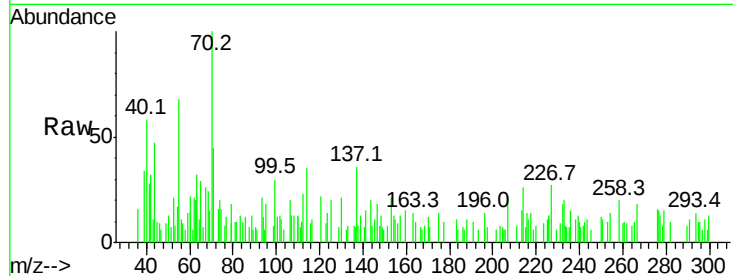
Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :
MSVOA_R
ClientSampled :
F9D05

Tgt Ion: 63 Resp: 387

Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.7	4.1#



#38

Bromodichloromethane

Concen: 12.837 ug/L

RT: 9.30 min Scan# 1252

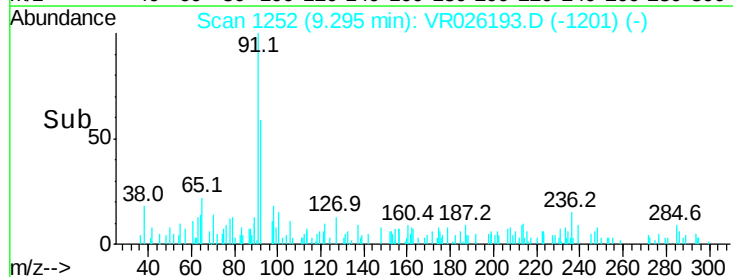
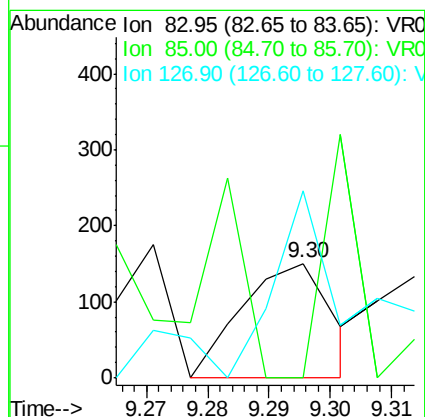
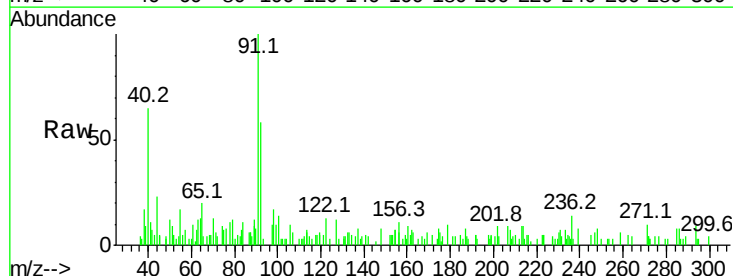
Delta R.T. 0.01 min

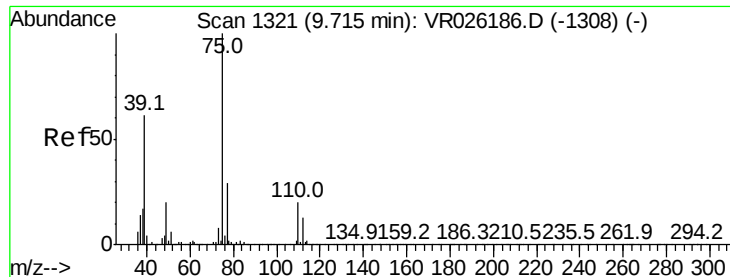
Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Tgt Ion: 83 Resp: 153

Ion	Ratio	Lower	Upper
83	100		
85	0.0	43.5	80.7#
127	164.0	7.0	10.6#





#39

cis-1,3-Dichloropropene

Concen: 18.920 ug/L

RT: 9.57 min Scan# 1297

Delta R.T. -0.15 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampled :

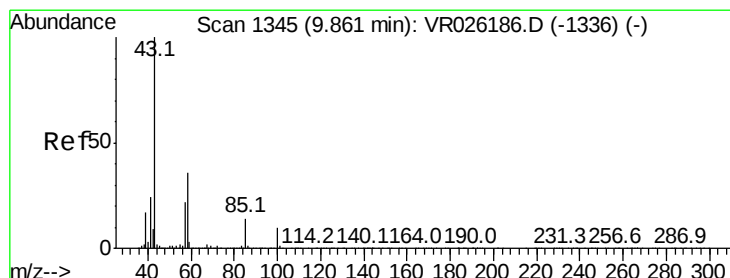
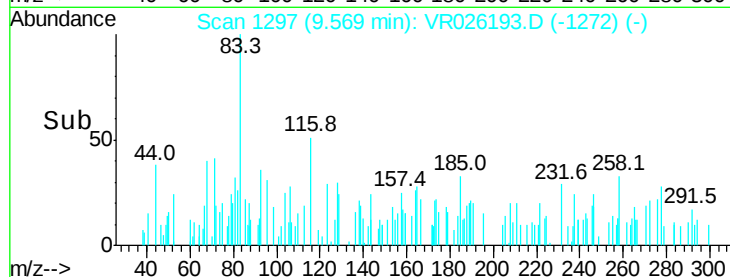
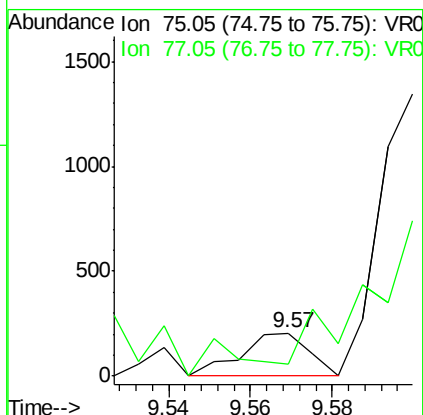
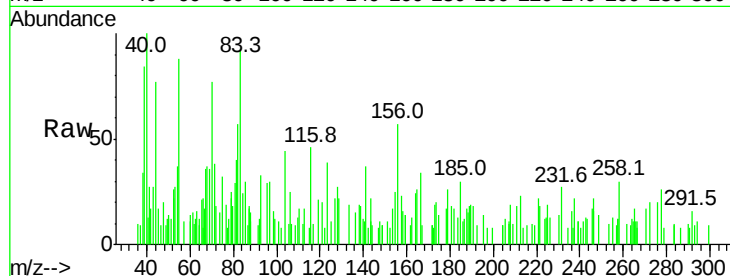
F9D05

Tgt Ion: 75 Resp: 240

Ion Ratio Lower Upper

75 100

77 26.6 22.7 42.1



#40

4-Methyl-2-pentanone

Concen: 232.811 ug/L

RT: 9.86 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

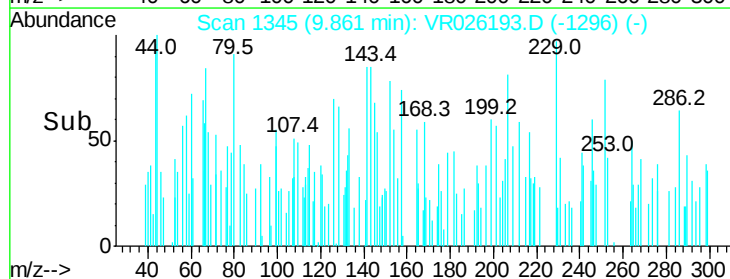
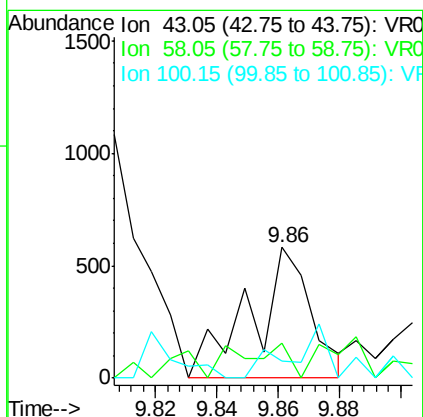
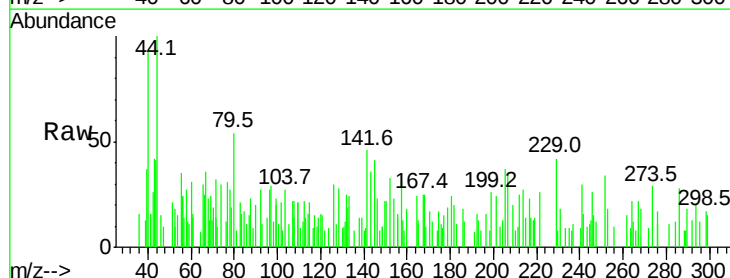
Tgt Ion: 43 Resp: 788

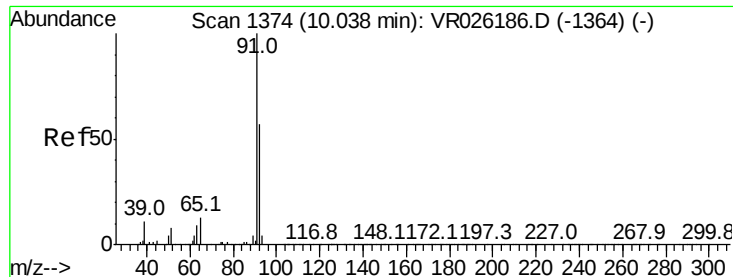
Ion Ratio Lower Upper

43 100

58 27.0 28.1 42.1#

100 28.6 9.3 13.9#





#42

Toluene

Concen: 1.515 ug/L

RT: 10.18 min Scan# 1397

Delta R.T. 0.14 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampleId :

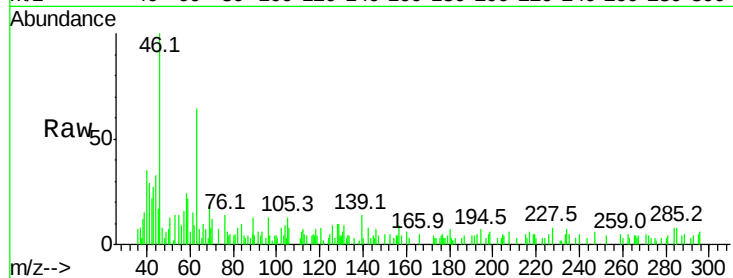
F9D05

Tgt Ion: 91 Resp: 84

Ion Ratio Lower Upper

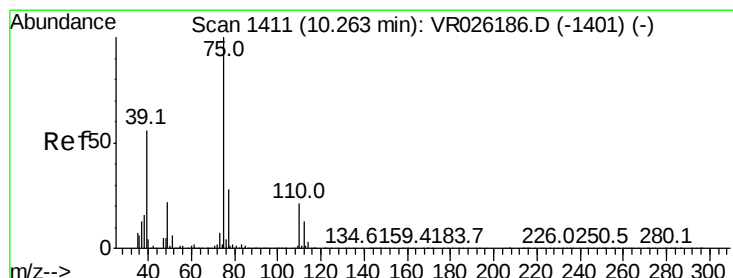
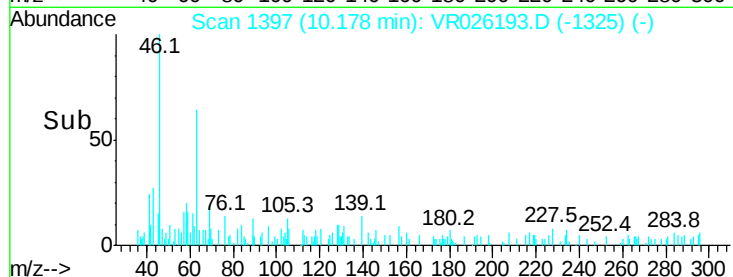
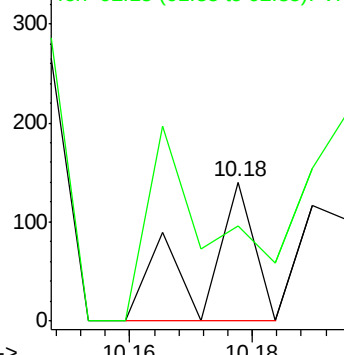
91 100

92 68.6 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0



#44

trans-1,3-Dichloropropene

Concen: 28.321 ug/L

RT: 10.45 min Scan# 1442

Delta R.T. 0.19 min

Lab File: VR026193.D

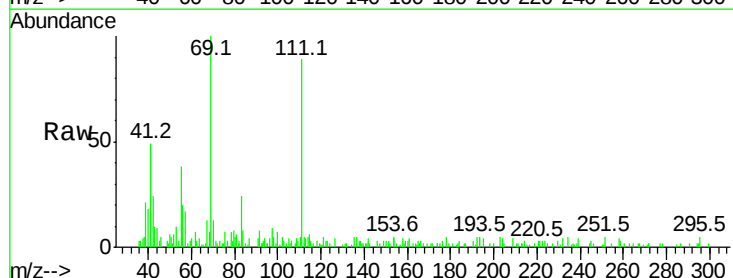
Acq: 6 Nov 2018 16:16

Tgt Ion: 75 Resp: 251

Ion Ratio Lower Upper

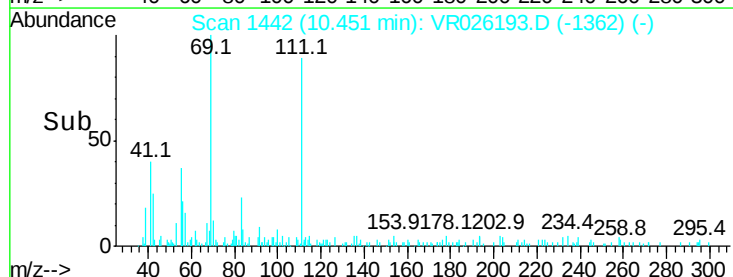
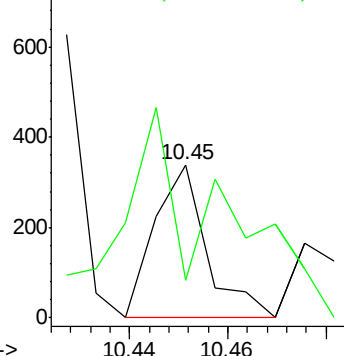
75 100

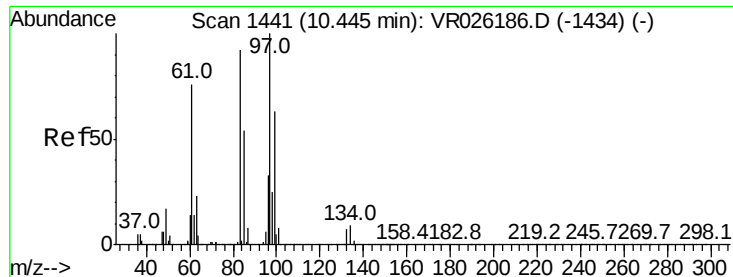
77 24.8 24.1 44.7



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0





#45

1,1,2-Trichloroethane

Concen: 52.622 ug/L

RT: 10.43 min Scan# 1438

Delta R.T. -0.02 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampleId :

F9D05

Tgt Ion: 97 Resp: 246

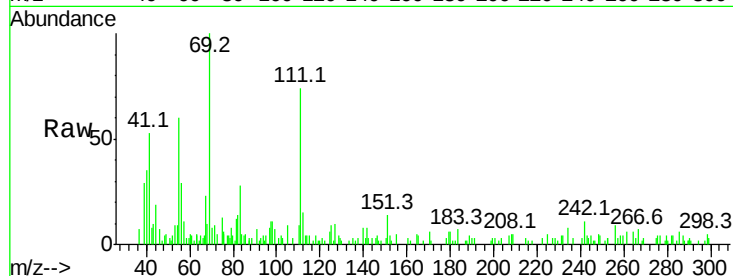
Ion Ratio Lower Upper

97 100

99 37.1 42.8 79.4#

83 148.4 61.9 114.9#

85 23.5 39.3 72.9#

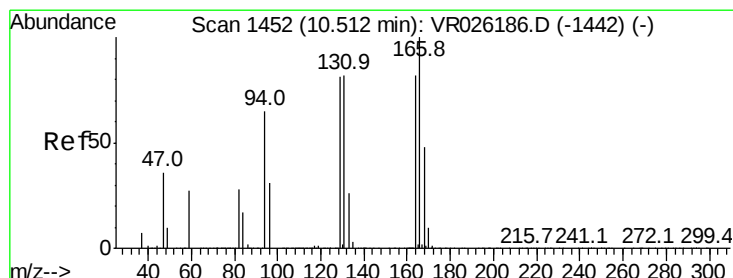
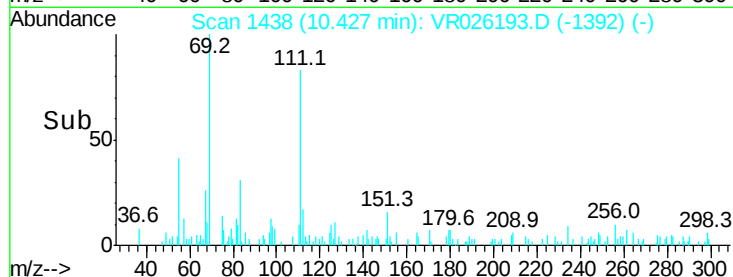
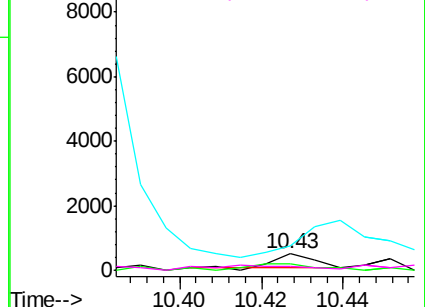


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 15.727 ug/L

RT: 10.54 min Scan# 1456

Delta R.T. 0.02 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Tgt Ion: 164 Resp: 151

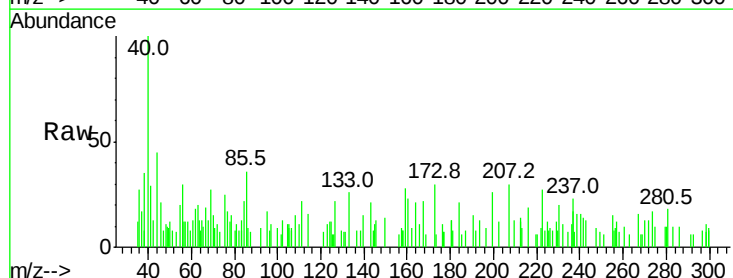
Ion Ratio Lower Upper

164 100

129 39.3 70.3 130.5#

131 67.4 67.3 125.1

166 0.0 86.1 159.9#

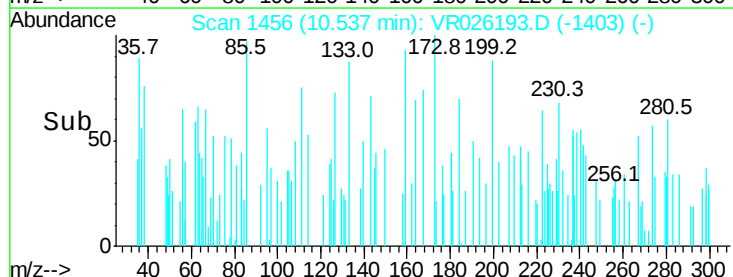
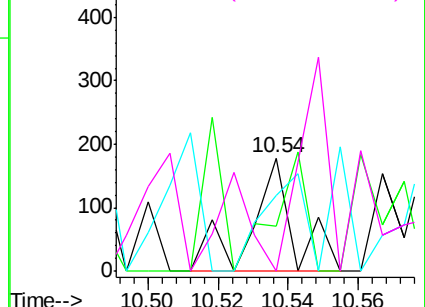


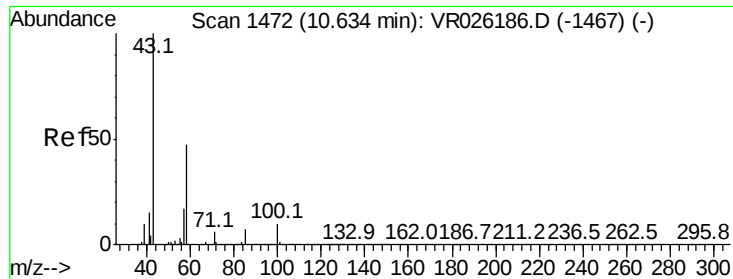
Abundance Ion 163.90 (163.60 to 164.60): V

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

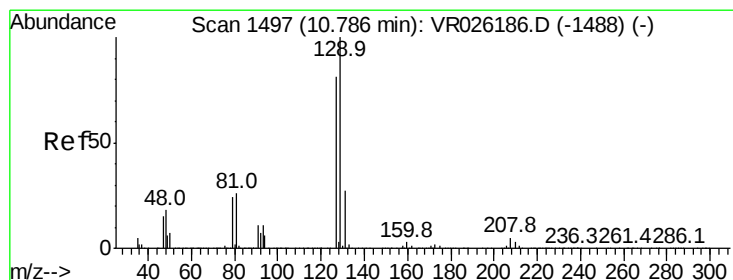
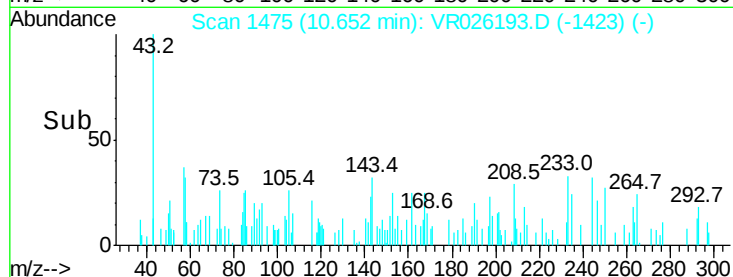
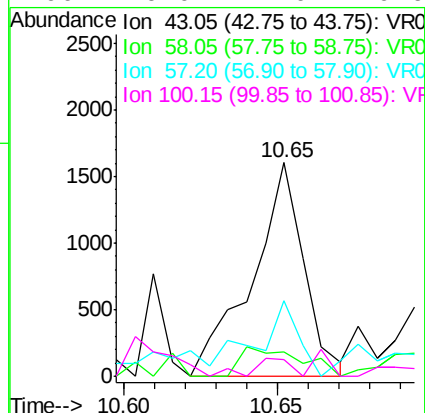
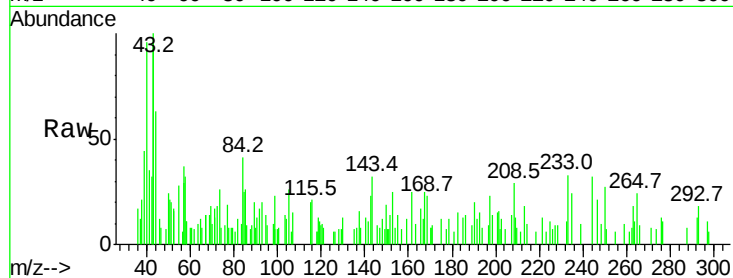




#48
2-Hexanone
Concen: 852.234 ug/L
RT: 10.65 min Scan# 1475
Delta R.T. 0.02 min
Lab File: VR026193.D
Acq: 6 Nov 2018 16:16

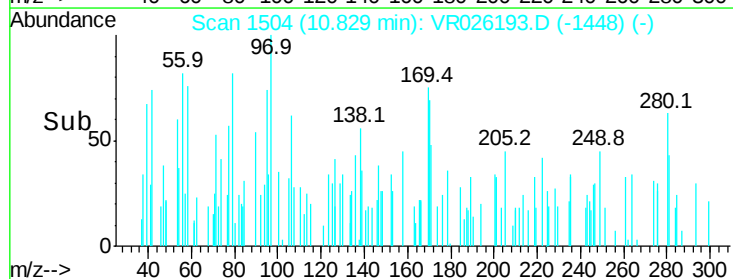
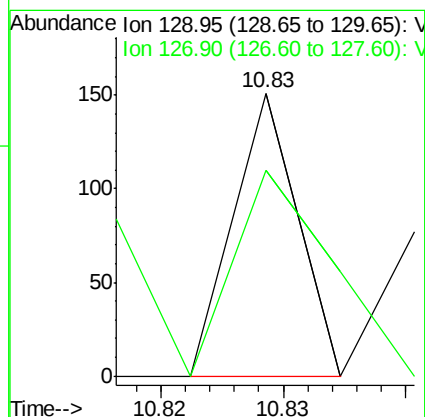
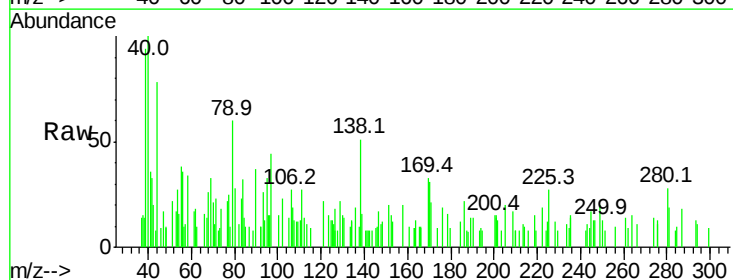
Instrument :
MSVOA_R
ClientSampleID :
F9D05

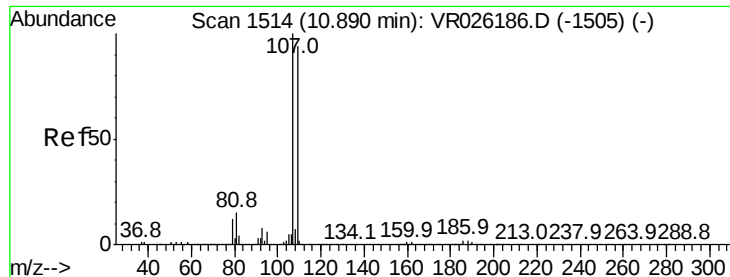
Tgt Ion:	43	Resp:	1884
Ion	Ratio	Lower	Upper
43	100		
58	15.7	39.6	59.4#
57	40.3	14.0	21.0#
100	6.0	7.0	10.6#



#49
Dibromochloromethane
Concen: 10.454 ug/L
RT: 10.83 min Scan# 1504
Delta R.T. 0.04 min
Lab File: VR026193.D
Acq: 6 Nov 2018 16:16

Tgt Ion:	129	Resp:	55
Ion	Ratio	Lower	Upper
129	100		
127	72.8	55.0	102.2





#50

1,2-Dibromoethane

Concen: 43565.345 ug/L

RT: 11.09 min Scan# 1547

Delta R.T. 0.20 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampleId :

F9D05

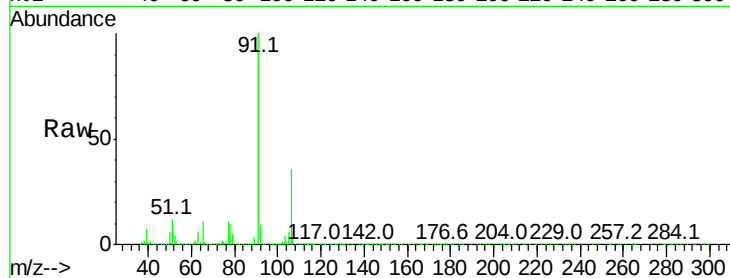
Tgt Ion:107 Resp: 175949

Ion Ratio Lower Upper

107 100

109 0.0 58.7 109.1#

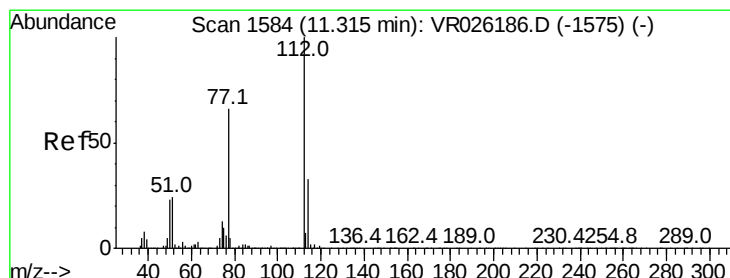
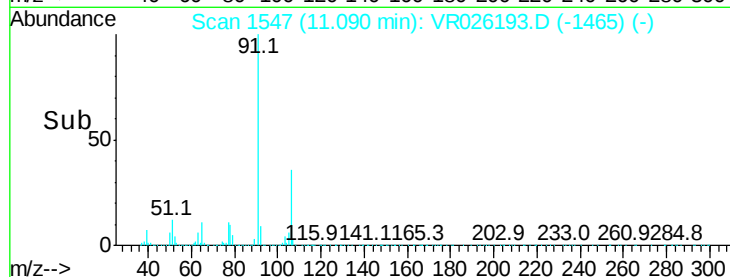
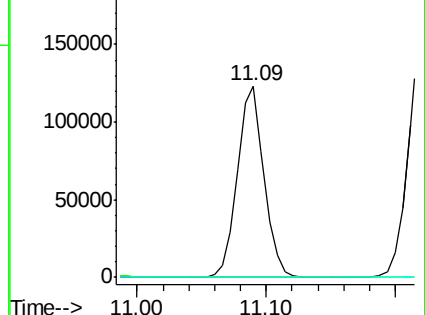
188 0.0 2.9 4.3#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 253.870 ug/L

RT: 11.38 min Scan# 1594

Delta R.T. 0.06 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

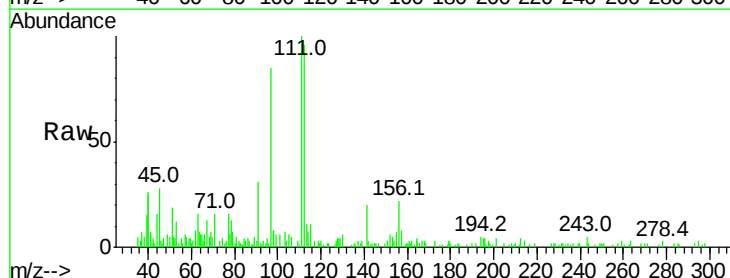
Tgt Ion:112 Resp: 7792

Ion Ratio Lower Upper

112 100

114 7.5 22.8 42.4#

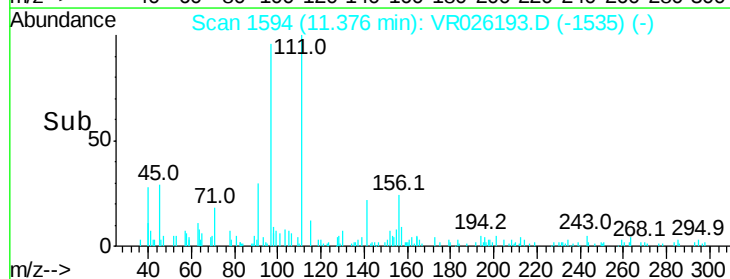
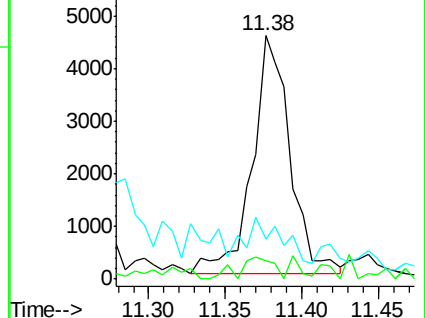
77 23.2 51.5 77.3#

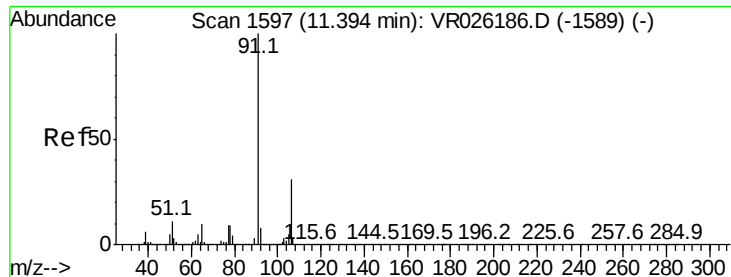


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 102343.274 ug/L

RT: 11.22 min Scan# 1569

Delta R.T. -0.17 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampleId :

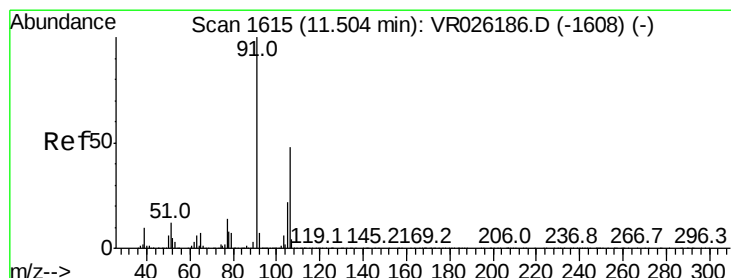
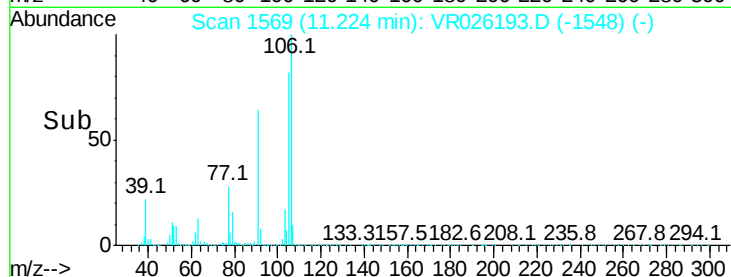
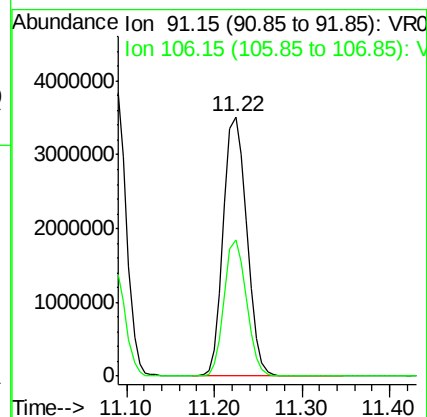
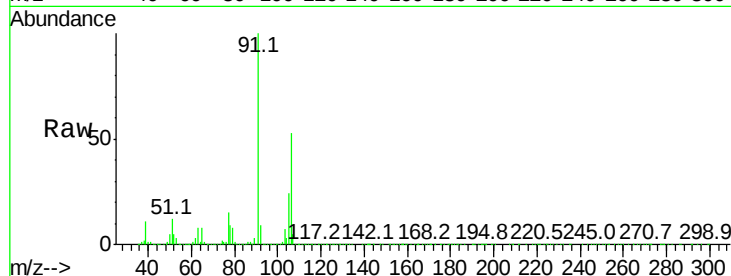
F9D05

Tgt Ion: 91 Resp: 6525017

Ion Ratio Lower Upper

91 100

106 52.6 21.2 39.4#



#53

m,p-Xylene

Concen: 24742.698 ug/L

RT: 11.61 min Scan# 1632

Delta R.T. 0.10 min

Lab File: VR026193.D

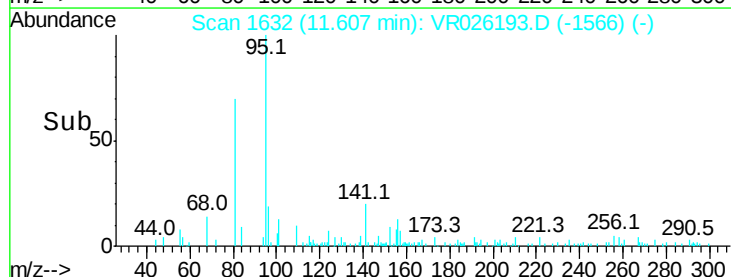
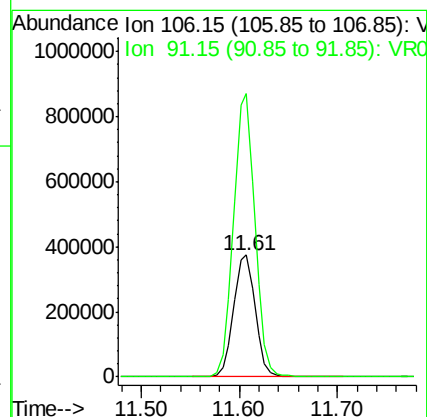
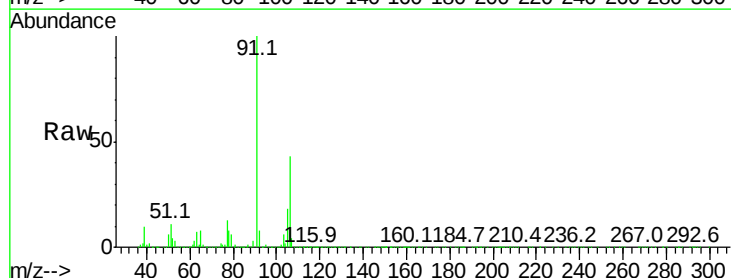
Acq: 6 Nov 2018 16:16

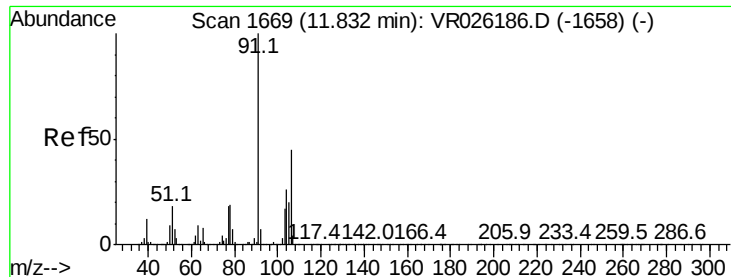
Tgt Ion: 106 Resp: 574754

Ion Ratio Lower Upper

106 100

91 232.9 145.3 269.8





#54

o-Xylene

Concen: 26988.534 ug/L

RT: 11.61 min Scan# 1632

Delta R.T. -0.22 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampled :

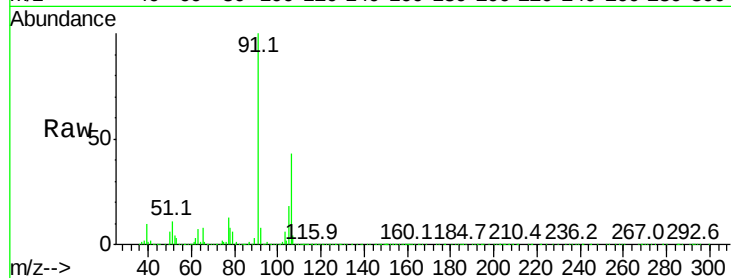
F9D05

Tgt Ion:106 Resp: 574754

Ion Ratio Lower Upper

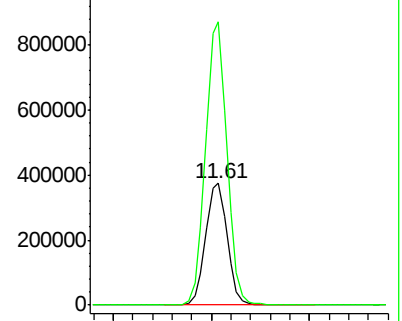
106 100

91 232.9 155.8 289.3

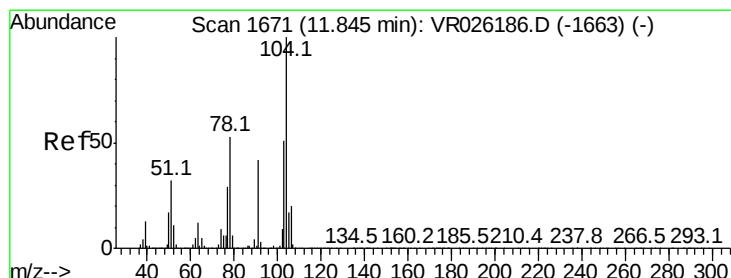
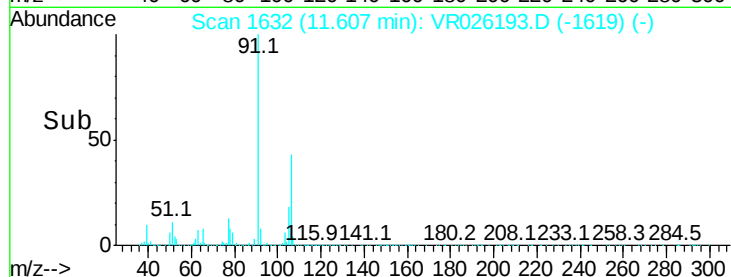


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



Time-->



#55

Styrene

Concen: 603.592 ug/L

RT: 11.96 min Scan# 1690

Delta R.T. 0.12 min

Lab File: VR026193.D

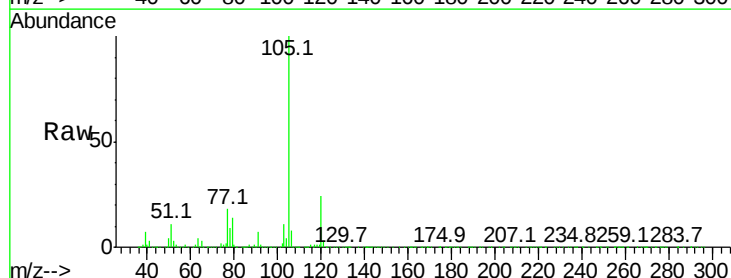
Acq: 6 Nov 2018 16:16

Tgt Ion:104 Resp: 19785

Ion Ratio Lower Upper

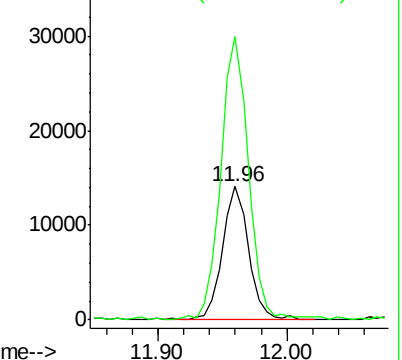
104 100

78 212.4 34.7 64.5#

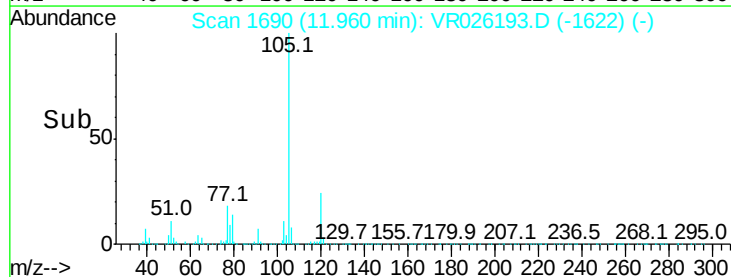


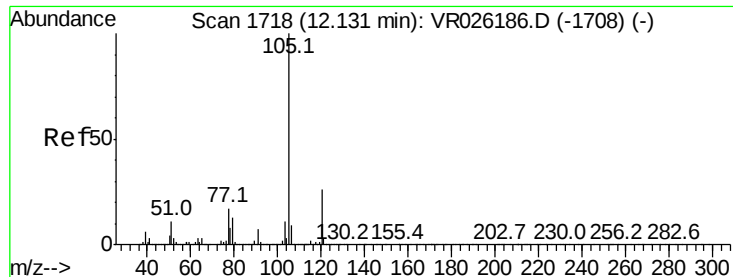
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0



Time-->





#56

Isopropylbenzene

Concen: 8363.702 ug/L

RT: 11.96 min Scan# 1690

Delta R.T. -0.17 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampleId :

F9D05

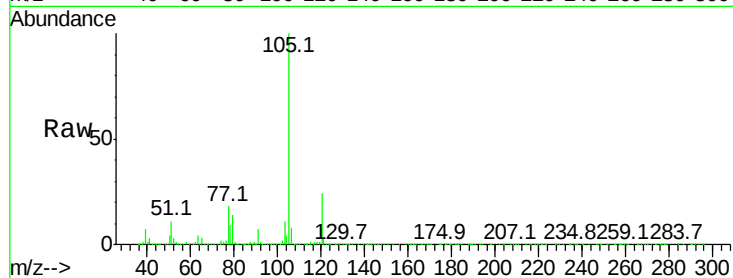
Tgt Ion: 105 Resp: 494704

Ion Ratio Lower Upper

105 100

120 25.0 21.0 31.4

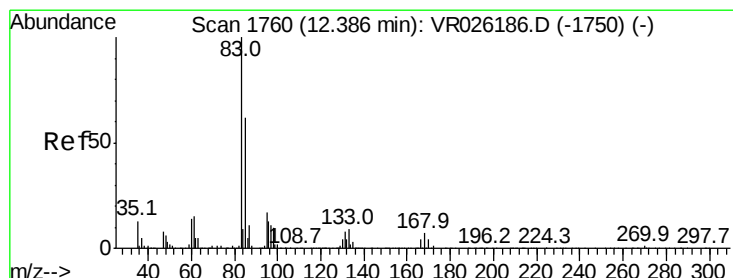
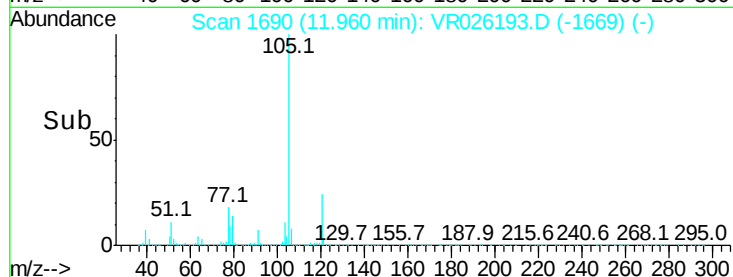
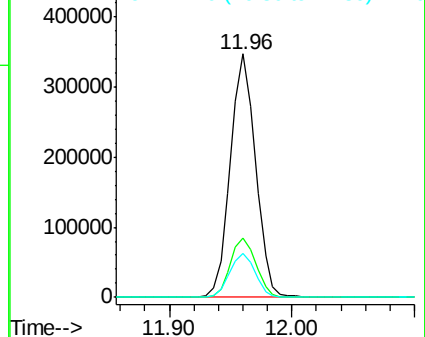
77 18.3 14.6 21.8



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: 45.250 ug/L

RT: 12.34 min Scan# 1753

Delta R.T. -0.04 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

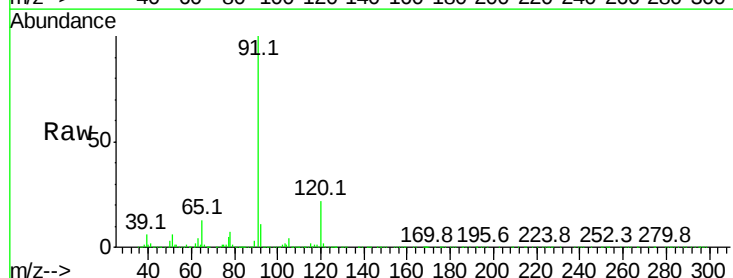
Tgt Ion: 83 Resp: 215

Ion Ratio Lower Upper

83 100

85 78.7 44.0 81.8

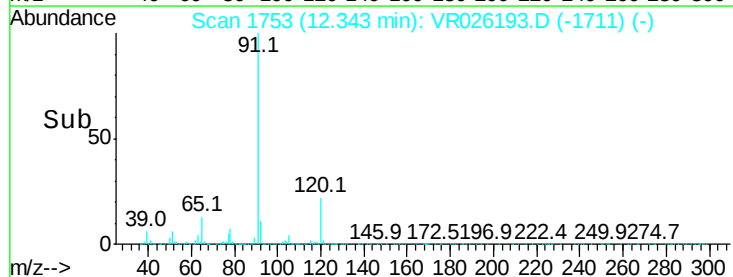
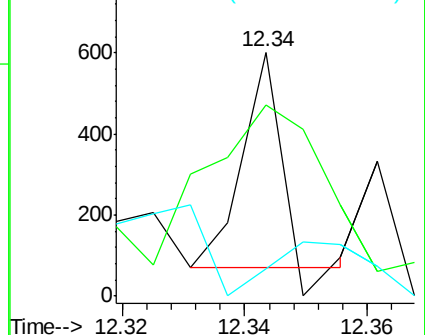
131 11.1 8.0 12.0

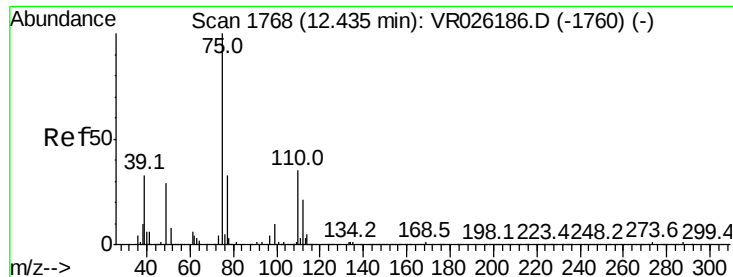


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1914.914 ug/L

RT: 12.45 min Scan# 1770

Delta R.T. 0.01 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampled :

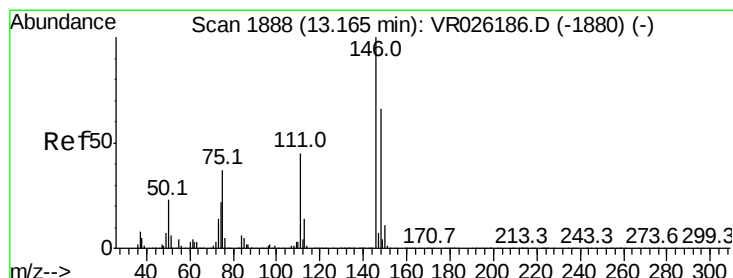
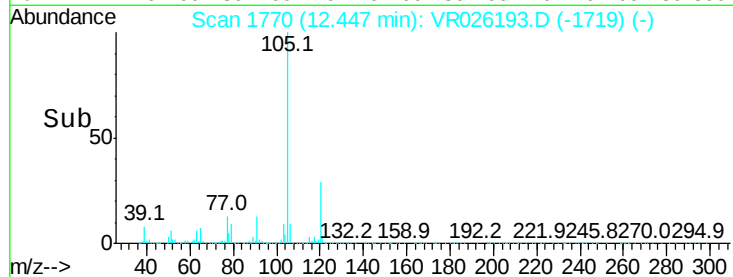
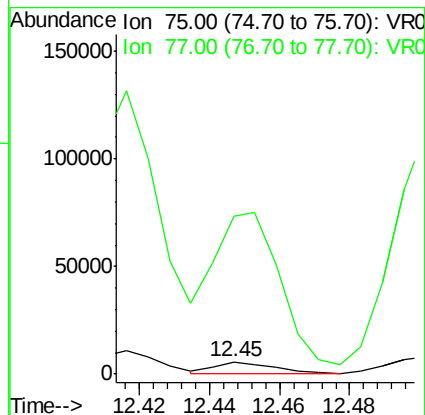
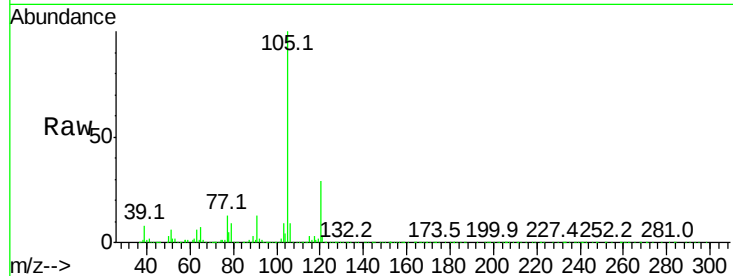
F9D05

Tgt Ion: 75 Resp: 6680

Ion Ratio Lower Upper

75 100

77 1522.1 26.2 39.2#



#62

1,3-Dichlorobenzene

Concen: 2.115 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

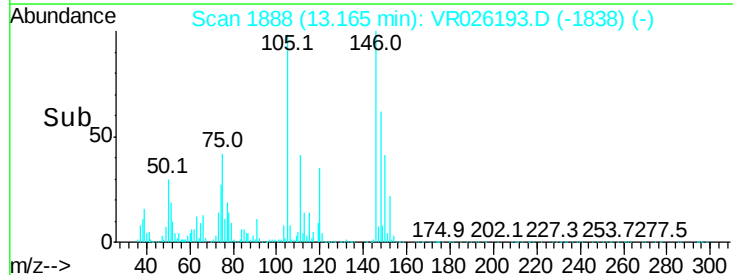
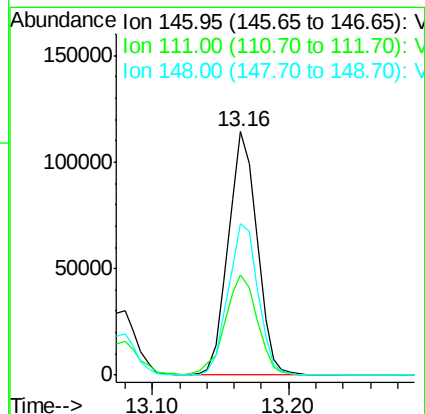
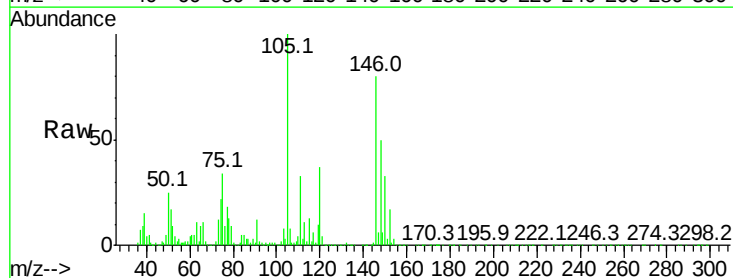
Tgt Ion: 146 Resp: 168402

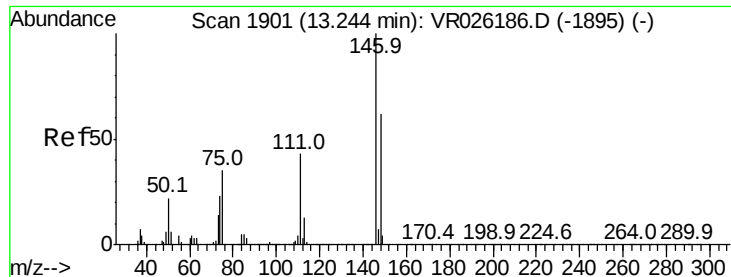
Ion Ratio Lower Upper

146 100

111 40.9 32.1 59.7

148 62.3 43.8 81.3





#63

1,4-Dichlorobenzene

Concen: 2.042 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.08 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

Instrument :

MSVOA_R

ClientSampled :

F9D05

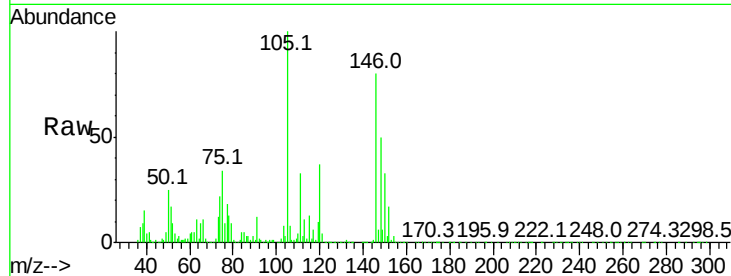
Tgt Ion:146 Resp: 168402

Ion Ratio Lower Upper

146 100

111 40.9 32.6 60.6

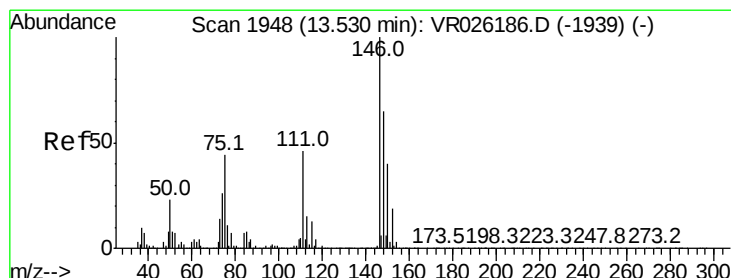
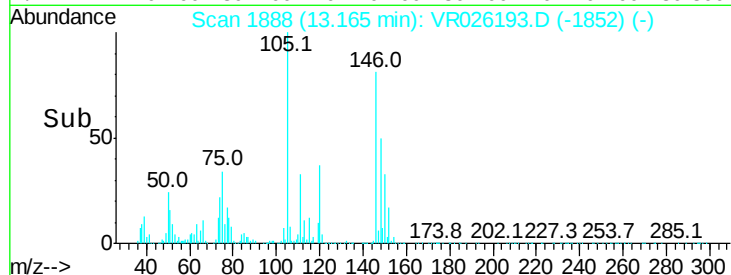
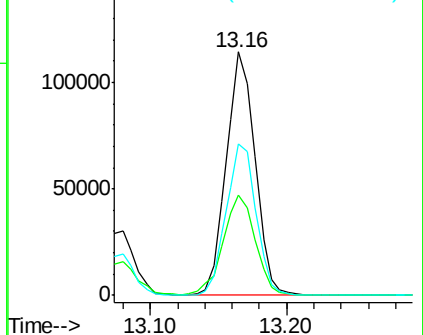
148 62.3 46.7 86.7



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



#65

1,2-Dichlorobenzene

Concen: 7.420 ug/L

RT: 13.47 min Scan# 1938

Delta R.T. -0.06 min

Lab File: VR026193.D

Acq: 6 Nov 2018 16:16

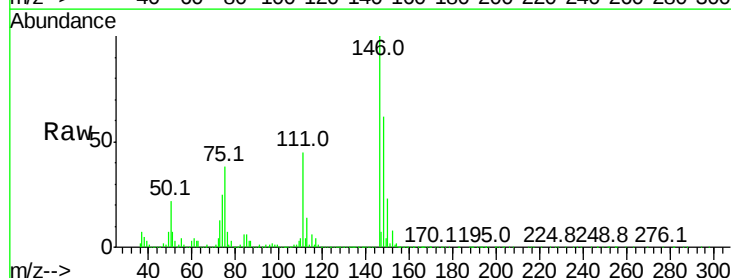
Tgt Ion:146 Resp: 474217

Ion Ratio Lower Upper

146 100

111 45.1 35.2 52.8

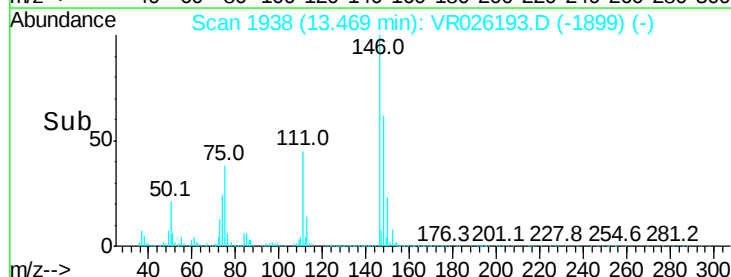
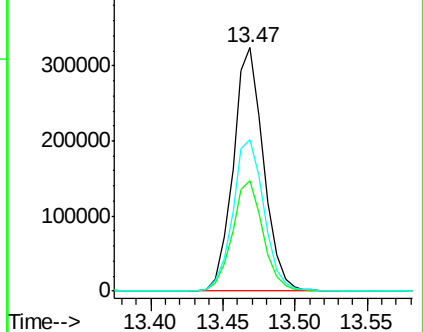
148 62.1 51.2 76.8

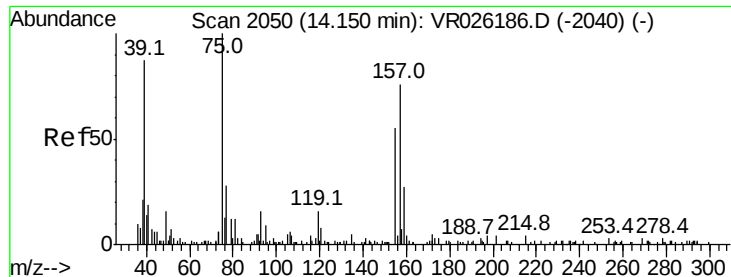


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

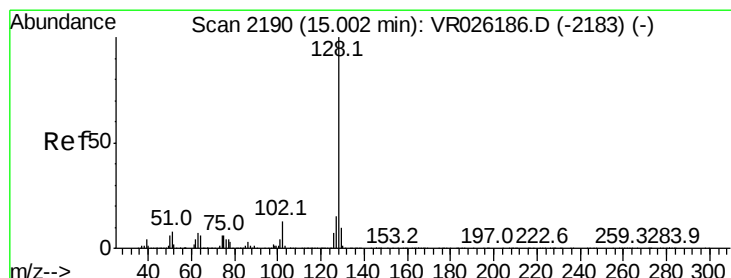
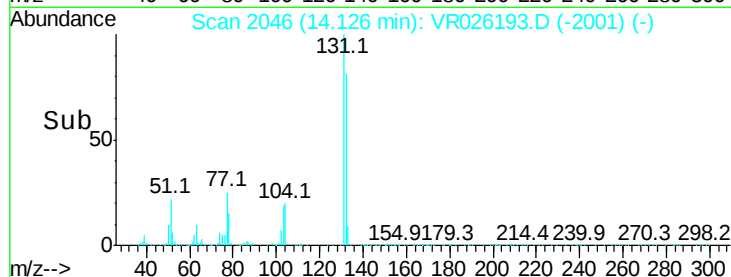
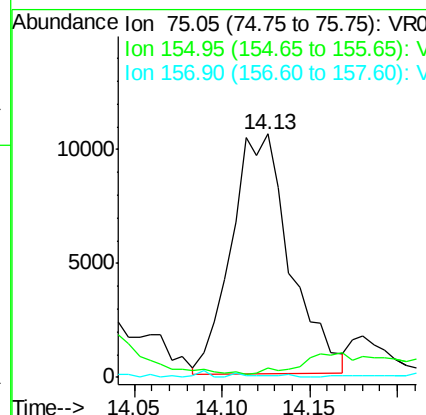
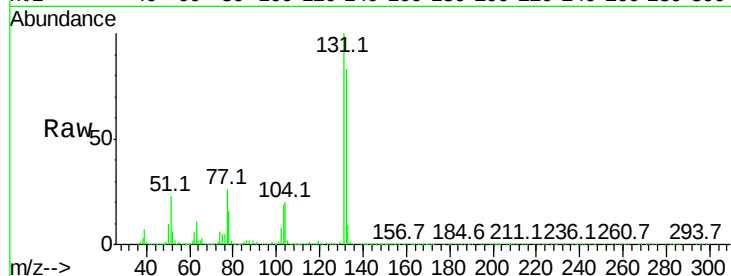




#66
1,2-Dibromo-3-chloropropane
Concen: 9.421 ug/L
RT: 14.13 min Scan# 2046
Delta R.T. -0.02 min
Lab File: VR026193.D
Acq: 6 Nov 2018 16:16

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Tgt Ion: 75 Resp: 24533
Ion Ratio Lower Upper
75 100
155 4.1 40.9 61.3#
157 0.6 67.3 100.9#



#69
Naphthalene
Concen: 267.902 ug/L
RT: 14.98 min Scan# 2187
Delta R.T. -0.02 min
Lab File: VR026193.D
Acq: 6 Nov 2018 16:16

Tgt Ion: 128 Resp: 7367845
Ion Ratio Lower Upper
128 100
127 15.5 11.0 16.6
129 13.1 9.1 13.7

