

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR040419\
 Data File : VR026448.D
 Acq On : 4 Apr 2019 15:54
 Operator : SY/MD
 Sample : K2271-02
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Apr 05 07:22:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 05 07:16:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	532762	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	432696	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	187896	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	174740	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	2.62	69	154593	4.58	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	3.60	63	512271	4.89	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.80%
20) 2-Butanone-d5	6.58	46	174431	48.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.66%
24) Chloroform-d	7.20	84	344625	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	7.89	65	138437	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
32) Benzene-d6	7.85	84	618688	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	8.89	67	163112	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	9.96	98	556190	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	10.23	79	41096	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	10.59	63	142293	55.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.72%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	67412	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	120970	4.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	96994	1.776	ug/L	97
3) Chloromethane	2.00	50	348480	6.051	ug/L	98
5) Vinyl chloride	2.15	62	246155	4.350	ug/L	98
6) Bromomethane	2.52	94	148521	4.488	ug/L	88
8) Chloroethane	2.65	64	137701	4.292	ug/L	94
9) Trichlorofluoromethane	2.93	101	712058	9.089	ug/L #	62
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	181250	4.193	ug/L	98
12) 1,1-Dichloroethene	3.62	96	256899	5.437	ug/L	92
16) Methylene chloride	4.40	84	128030	3.048	ug/L	96
17) Methyl tert-butyl Ether	4.89	73	257931	4.800	ug/L	99
18) trans-1,2-Dichloroethene	4.87	96	262801	5.895	ug/L	95
22) cis-1,2-Dichloroethene	6.67	96	223583	6.030	ug/L #	92
23) Bromochloromethane	7.04	128	21599	1.870	ug/L	84
25) Chloroform	7.23	83	339700	4.286	ug/L	99
27) 1,2-Dichloroethane	7.99	62	187881	4.753	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	342030	4.789	ug/L	99
31) Carbon tetrachloride	7.63	117	323511	4.782	ug/L	98

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

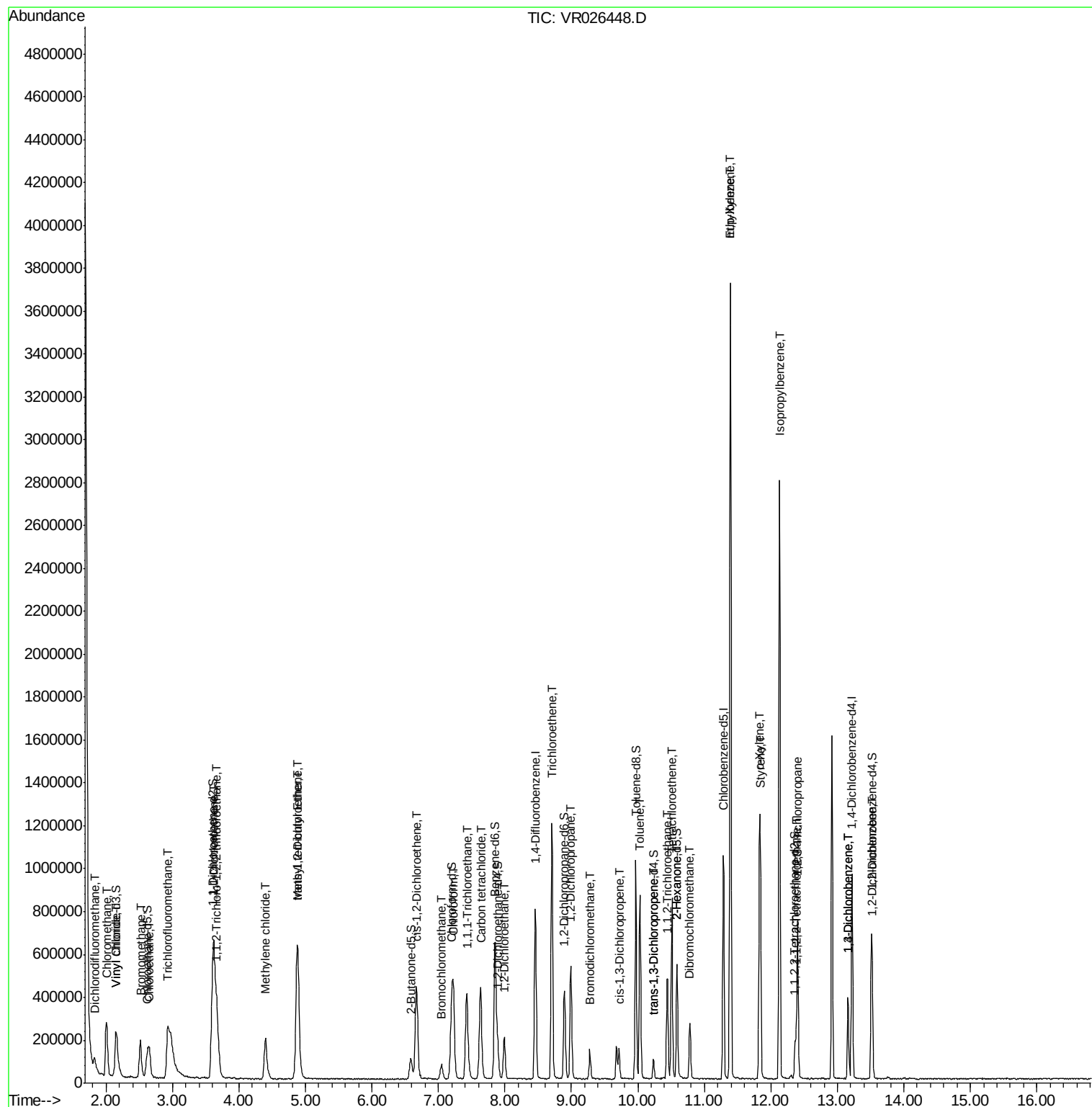
34) Trichloroethene	8.71	95	372909	8.233	ug/L	99
37) 1,2-Dichloropropane	8.99	63	161857	4.368	ug/L	99
38) Bromodichloromethane	9.28	83	81707	1.908	ug/L #	96
39) cis-1,3-Dichloropropene	9.72	75	69292	1.723	ug/L	98
42) Toluene	10.03	91	503167	2.904	ug/L	100
44) trans-1,3-Dichloropropene	10.23	75	3511	0.120	ug/L	100
45) 1,1,2-Trichloroethane	10.44	97	119749	7.988	ug/L	94
47) Tetrachloroethene	10.51	164	151018	4.685	ug/L	96
48) 2-Hexanone	10.59	43	22851	3.164	ug/L #	70
49) Dibromochloromethane	10.78	129	111595	5.683	ug/L	100
52) Ethylbenzene	11.39	91	2133727	10.688	ug/L	98
53) m,p-Xylene	11.39	106	642055	8.974	ug/L #	34
54) o-Xylene	11.83	106	185577	2.952	ug/L	94
55) Styrene	11.84	104	296253	2.985	ug/L	98
56) Isopropylbenzene	12.13	105	1433908	8.036	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.38	83	71481	4.911	ug/L	94
59) 1,2,3-Trichloropropane	12.40	75	27537	2.466	ug/L #	1
62) 1,3-Dichlorobenzene	13.16	146	115235	1.913	ug/L	96
63) 1,4-Dichlorobenzene	13.16	146	115235	1.704	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	90479	1.811	ug/L	99

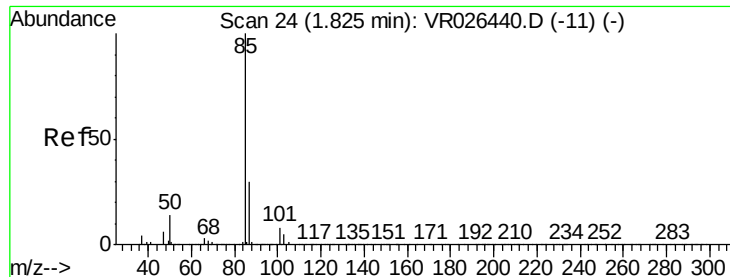
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.776 ug/L

RT: 1.83 min Scan# 24

Delta R.T. 0.00 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Instrument :

MSVOA_R

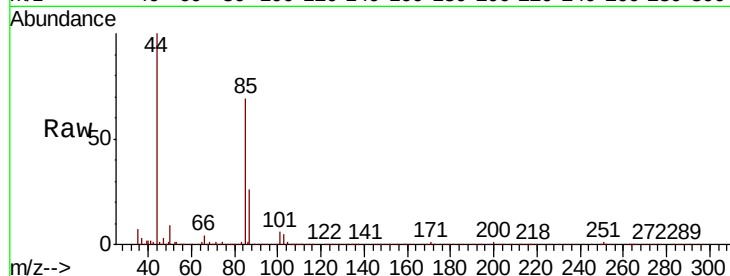
ClientSampleId :

Tot Ion: 85 Resp: 96994

Ion Ratio Lower Upper

85 100

87 33.4 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

30000

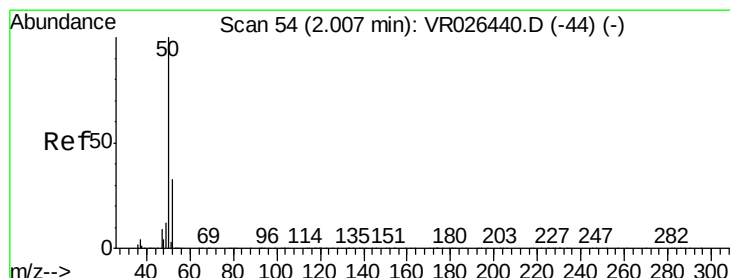
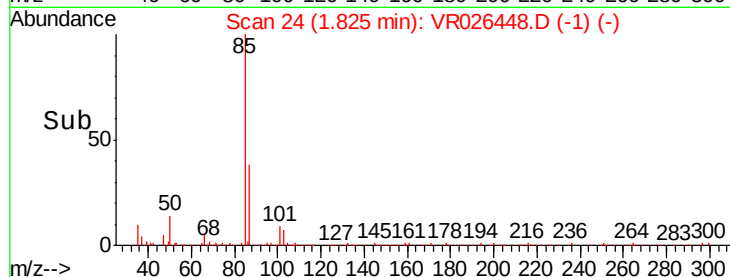
20000

10000

0

1.70 1.80 1.90 2.00

Time-->



#3

Chloromethane

Concen: 6.051 ug/L

RT: 2.00 min Scan# 53

Delta R.T. -0.01 min

Lab File: VR026448.D

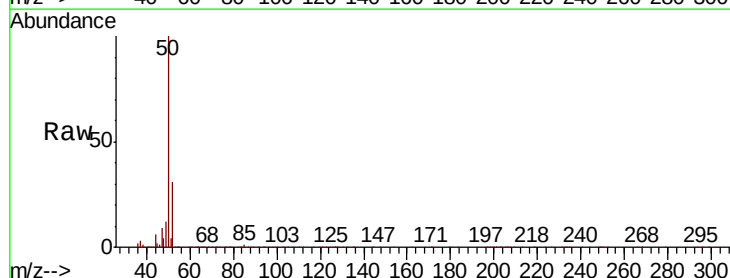
Acq: 4 Apr 2019 15:54

Tgt Ion: 50 Resp: 348480

Ion Ratio Lower Upper

50 100

52 30.8 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

150000

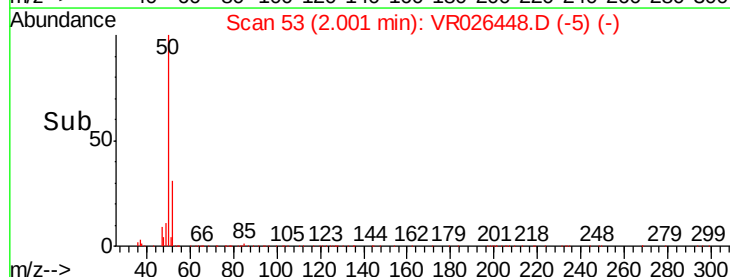
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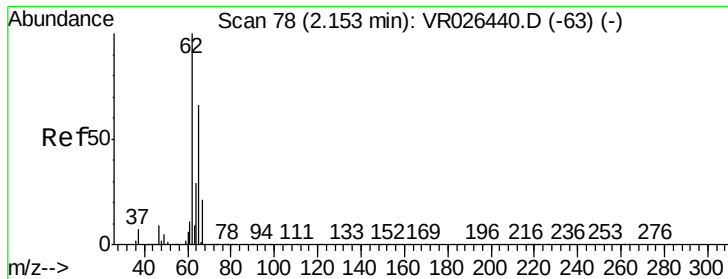
50000

0

1.90 2.00 2.10

Time-->





#5

Vinyl chloride

Concen: 4.350 ug/L

RT: 2.15 min Scan# 78

Delta R.T. 0.00 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Instrument :

MSVOA_R

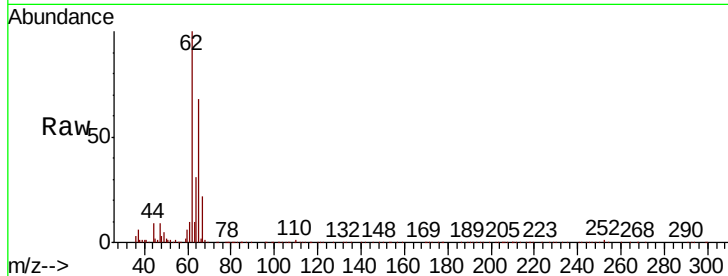
ClientSampleId :

Tot Ion: 62 Resp: 246155

Ion Ratio Lower Upper

62 100

64 31.0 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.15

80000

60000

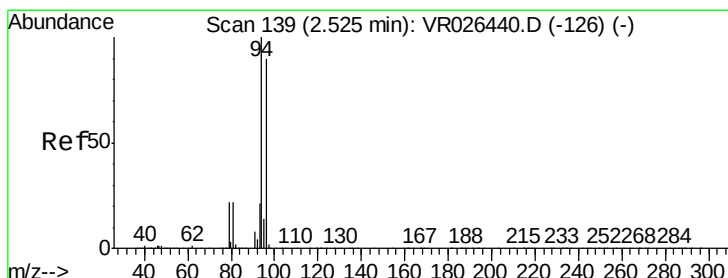
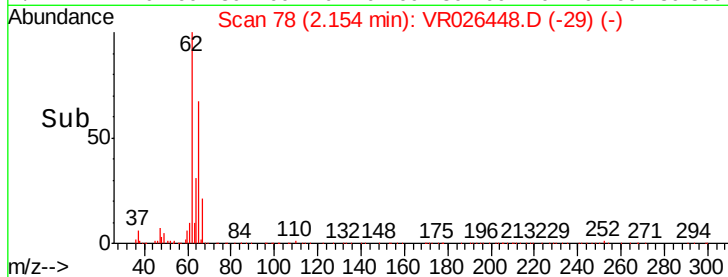
40000

20000

0

Time-->

2.00 2.10 2.20 2.30



#6

Bromomethane

Concen: 4.488 ug/L

RT: 2.52 min Scan# 138

Delta R.T. -0.01 min

Lab File: VR026448.D

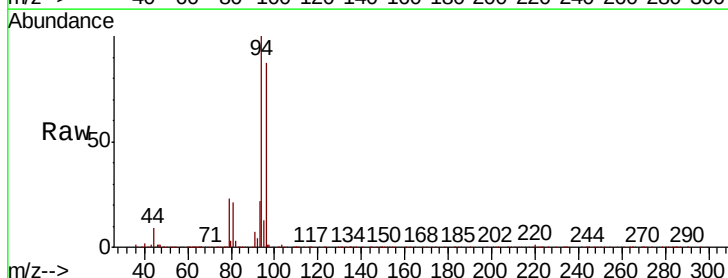
Acq: 4 Apr 2019 15:54

Tgt Ion: 94 Resp: 148521

Ion Ratio Lower Upper

94 100

96 87.2 69.1 128.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

2.52

60000

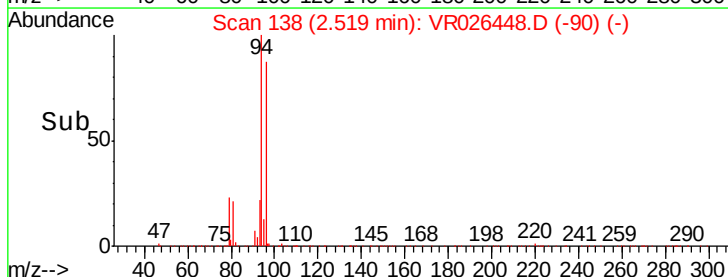
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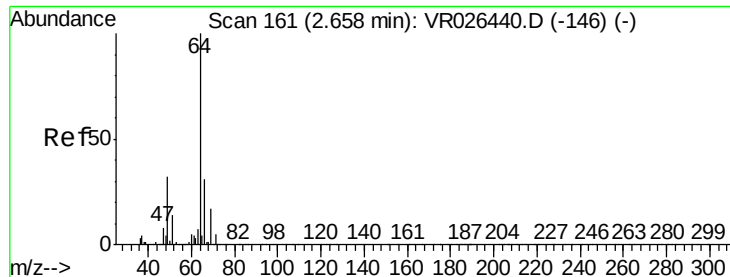
20000

0

Time-->

2.40 2.50 2.60





#8

Chloroethane

Concen: 4.292 ug/L

RT: 2.65 min Scan# 160

Delta R.T. -0.01 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Instrument :

MSVOA_R

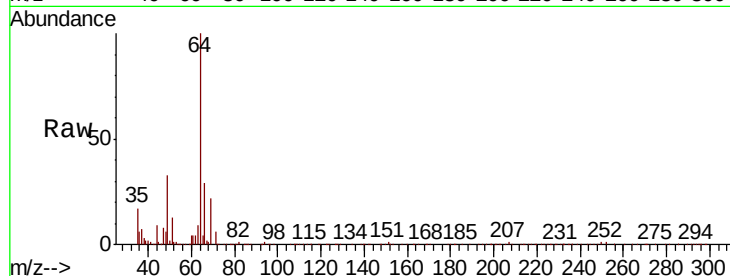
ClientSampleId :

Tot Ion: 64 Resp: 137701

Ion Ratio Lower Upper

64 100

66 28.8 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.65

50000

40000

30000

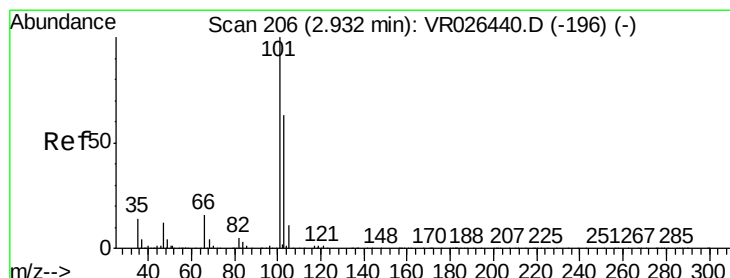
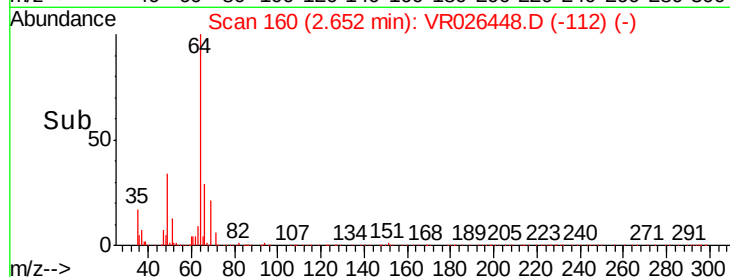
20000

10000

0

Time-->

2.50 2.60 2.70 2.80



#9

Trichlorofluoromethane

Concen: 9.089 ug/L

RT: 2.93 min Scan# 206

Delta R.T. 0.00 min

Lab File: VR026448.D

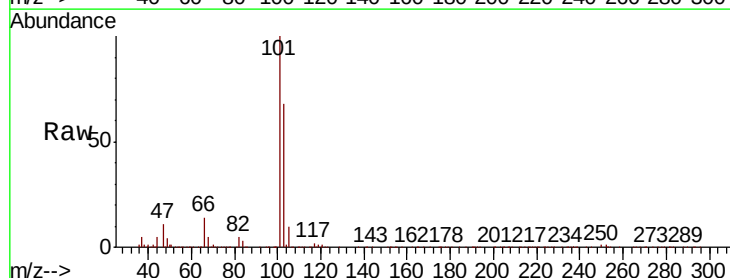
Acq: 4 Apr 2019 15:54

Tgt Ion:101 Resp: 712058

Ion Ratio Lower Upper

101 100

103 31.1 48.2 72.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.93

120000

100000

80000

60000

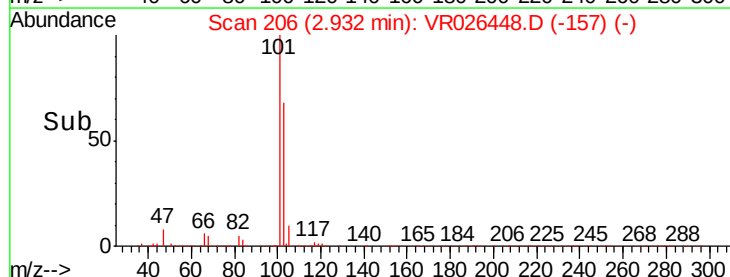
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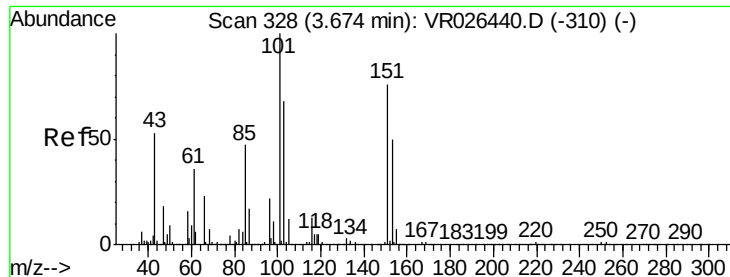
20000

0

Time-->

2.80 3.00 3.20





#10

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

Concen: 4.193 ug/L

RT: 3.67 min Scan# 328

Delta R.T. 0.00 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Instrument :

MSVOA_R

ClientSampleId :

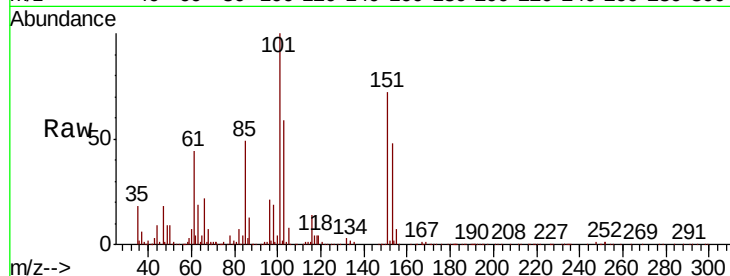
Tot Ion:101 Resp: 181250

Ion Ratio Lower Upper

101 100

85 50.8 39.2 58.8

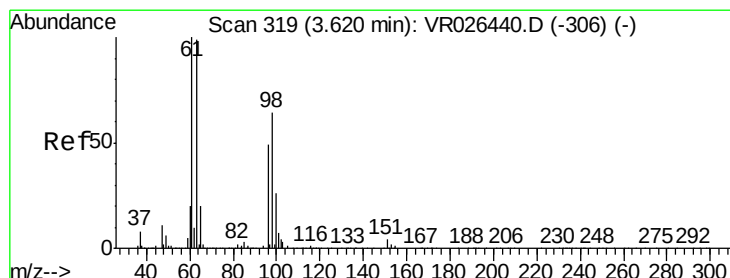
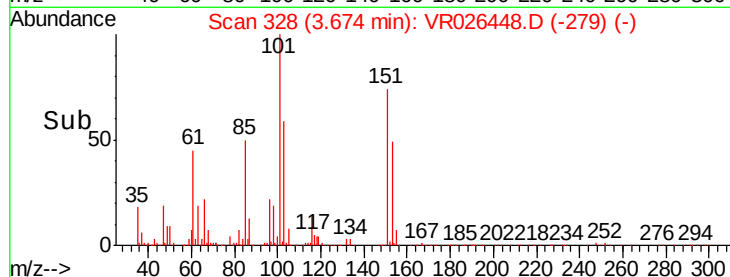
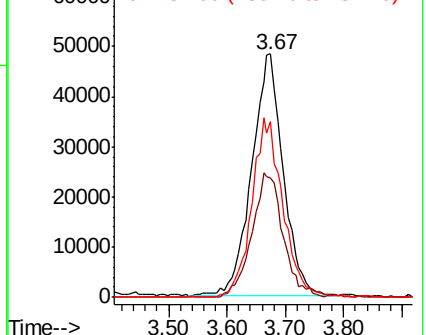
151 72.6 59.7 89.5



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: 5.437 ug/L

RT: 3.62 min Scan# 319

Delta R.T. 0.00 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

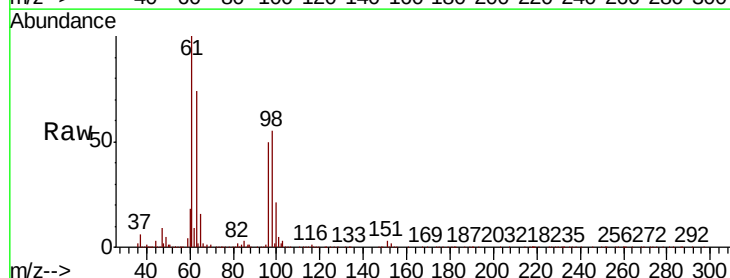
Tgt Ion: 96 Resp: 256899

Ion Ratio Lower Upper

96 100

61 199.3 142.7 264.9

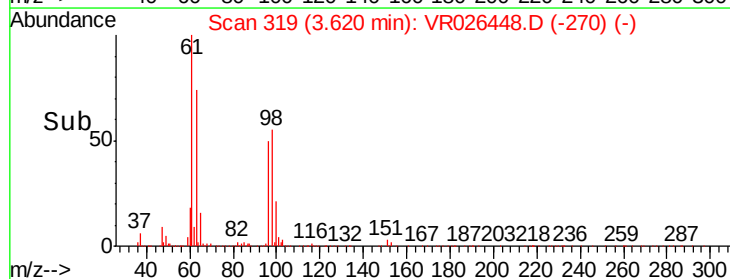
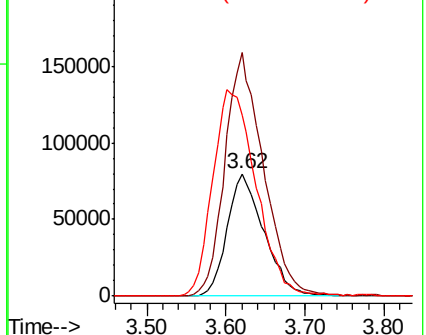
63 147.8 116.9 217.1

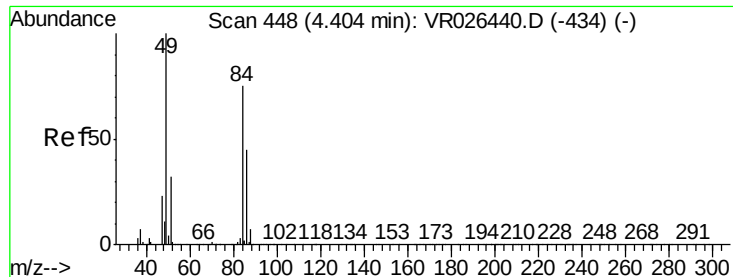


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

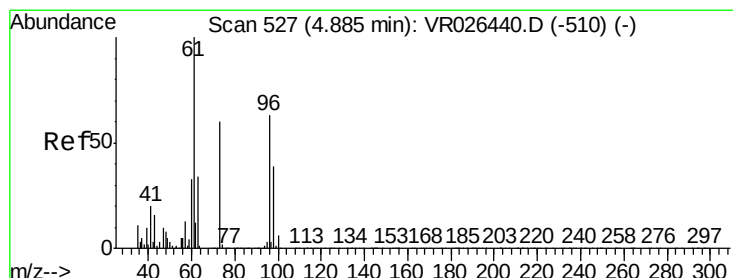
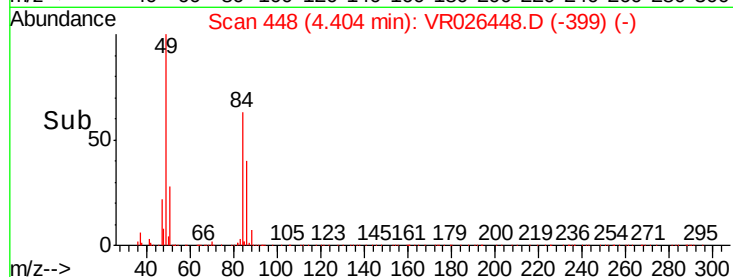
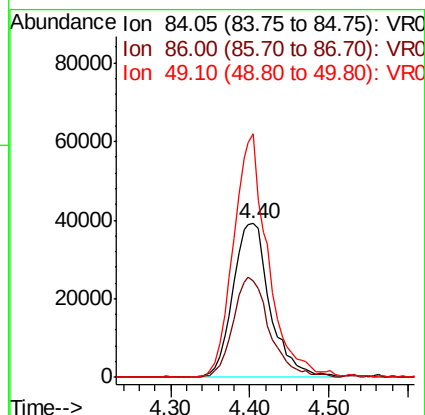
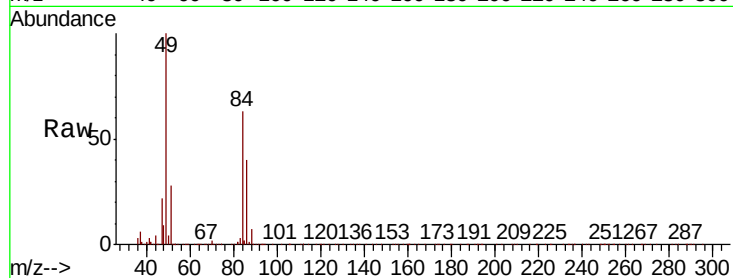




#16
Methylene chloride
Concen: 3.048 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR026448.D
Acq: 4 Apr 2019 15:54

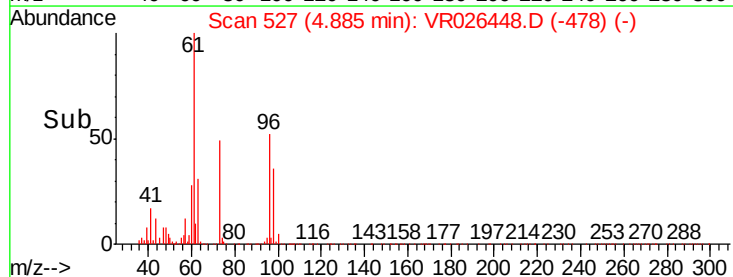
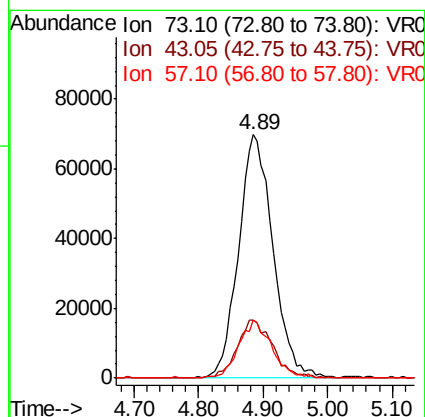
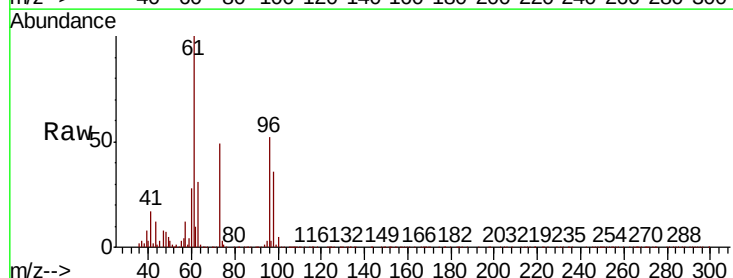
Instrument :
MSVOA_R
ClientSampled :

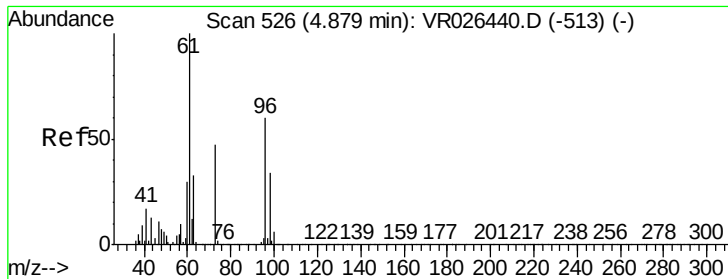
Tot Ion: 84 Resp: 128030
Ion Ratio Lower Upper
84 100
86 63.1 45.6 84.6
49 158.5 106.5 197.9



#17
Methyl tert-butyl Ether
Concen: 4.800 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026448.D
Acq: 4 Apr 2019 15:54

Tgt Ion: 73 Resp: 257931
Ion Ratio Lower Upper
73 100
43 24.5 19.8 29.8
57 22.9 18.9 28.3





#18

trans-1,2-Dichloroethene

Concen: 5.895 ug/L

RT: 4.87 min Scan# 525

Delta R.T. -0.01 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Instrument :

MSVOA_R

ClientSampled :

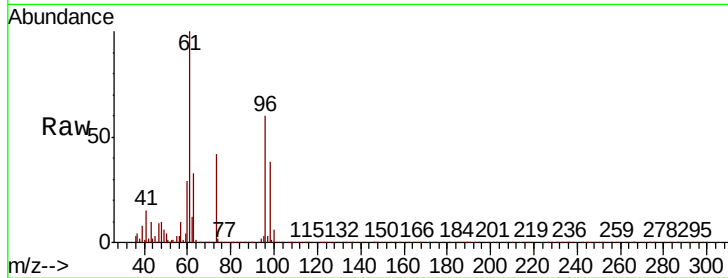
Tot Ion: 96 Resp: 262801

Ion Ratio Lower Upper

96 100

61 167.1 122.9 228.3

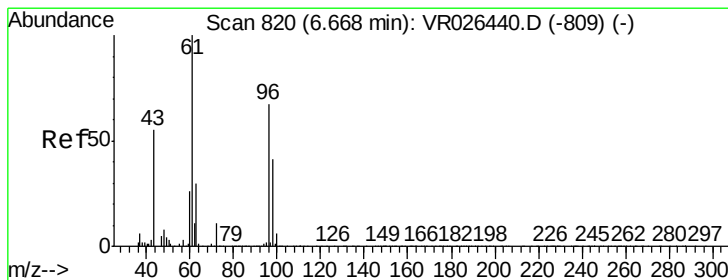
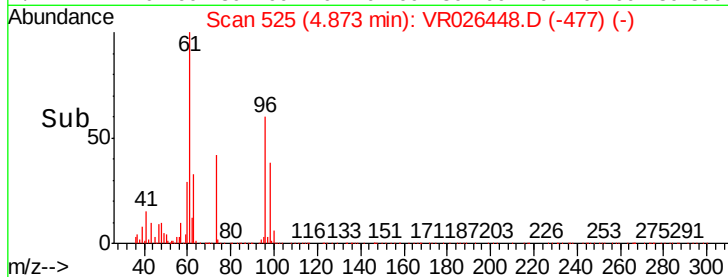
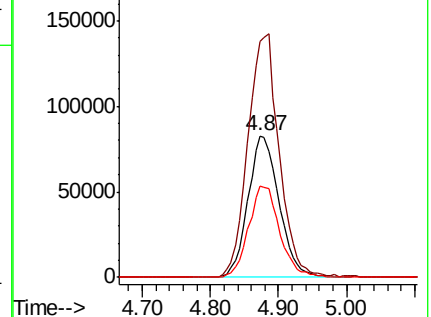
98 64.2 45.2 84.0



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



#22

cis-1,2-Dichloroethene

Concen: 6.030 ug/L

RT: 6.67 min Scan# 820

Delta R.T. 0.00 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

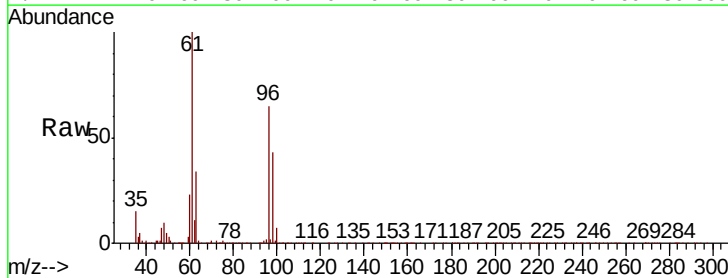
Tgt Ion: 96 Resp: 223583

Ion Ratio Lower Upper

96 100

61 154.2 115.0 213.6

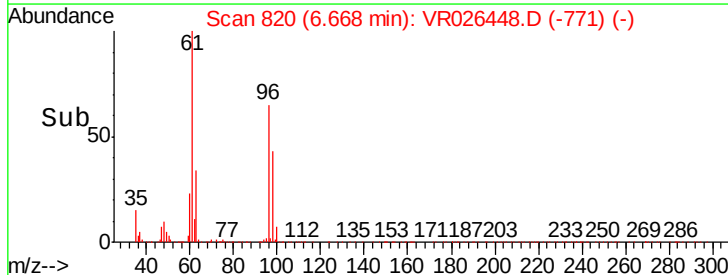
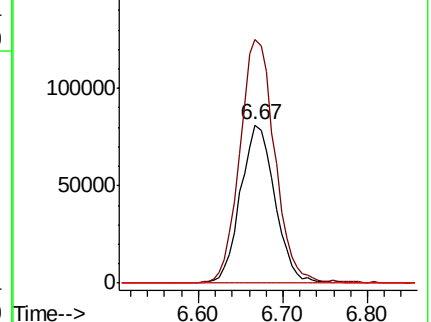
68 0.1 0.0 0.0#

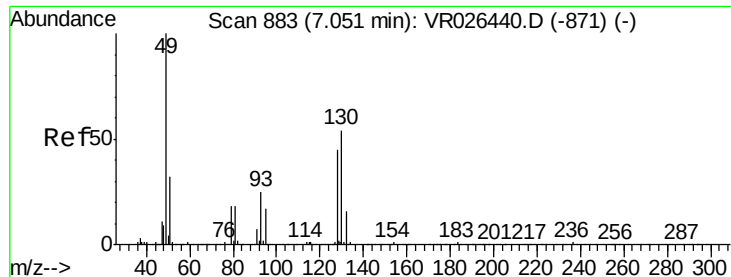


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0





#23

Bromochloromethane

Concen: 1.870 ug/L

RT: 7.04 min Scan# 881

Delta R.T. -0.01 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:128 Resp: 21599

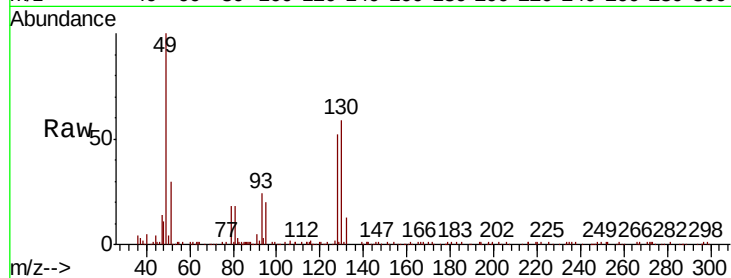
Ion Ratio Lower Upper

128 100

49 193.3 158.3 293.9

130 114.0 90.0 167.2

51 58.0 51.8 77.8

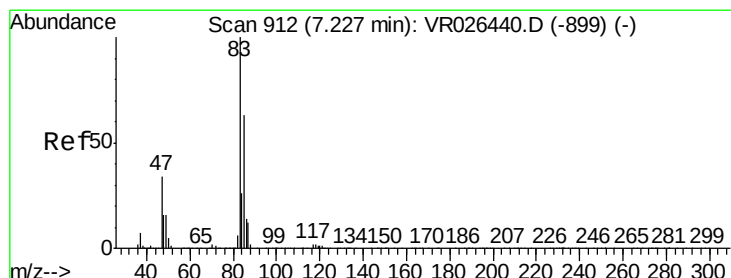
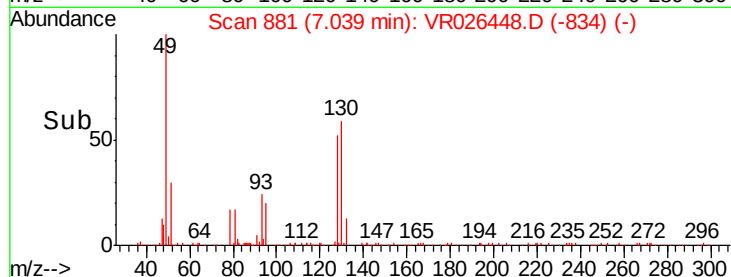
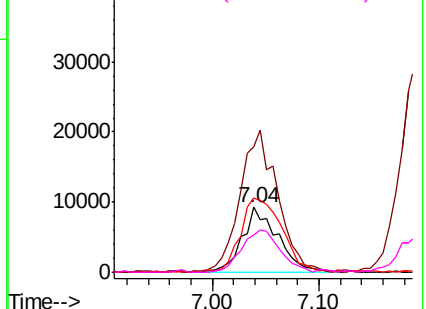


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VR0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VR0



#25

Chloroform

Concen: 4.286 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026448.D

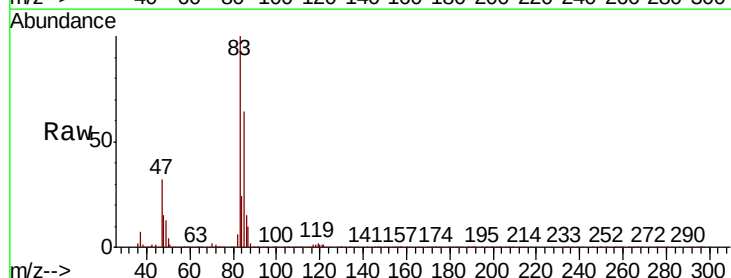
Acq: 4 Apr 2019 15:54

Tgt Ion: 83 Resp: 339700

Ion Ratio Lower Upper

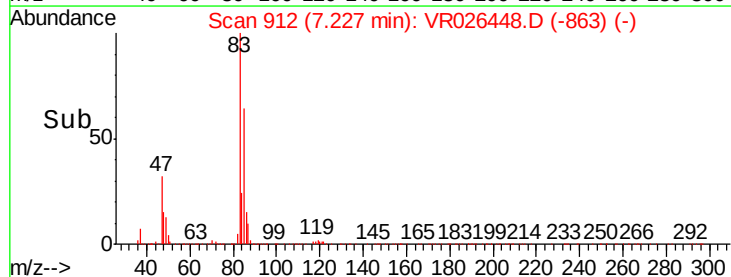
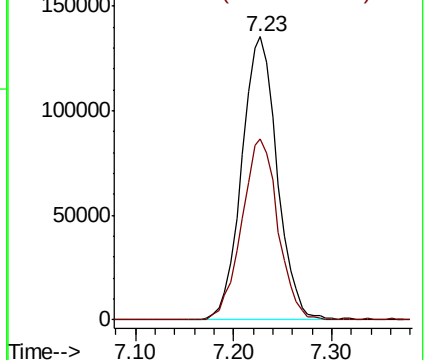
83 100

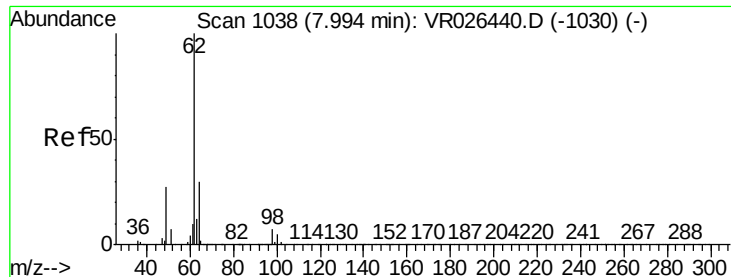
85 63.9 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

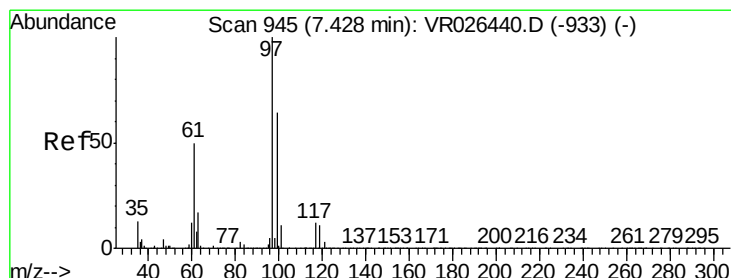
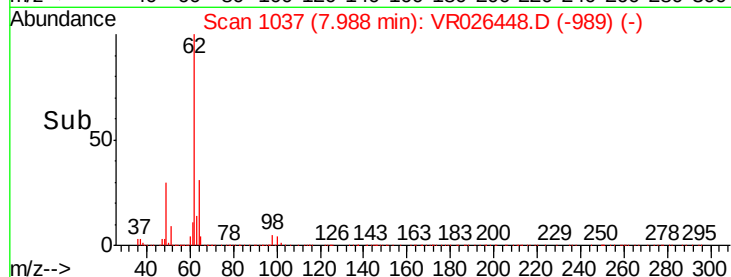
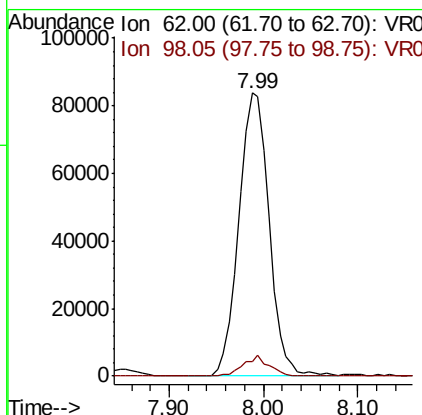
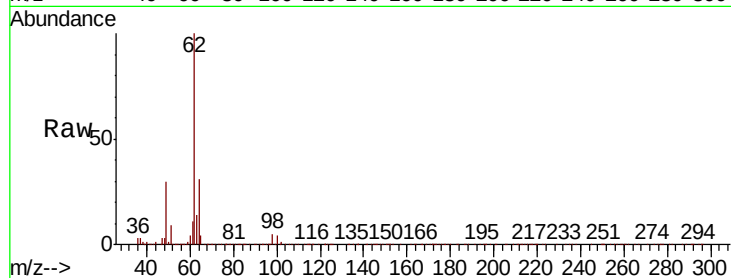




#27
 1,2-Dichloroethane
 Concen: 4.753 ug/L
 RT: 7.99 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: VR026448.D
 Acq: 4 Apr 2019 15:54

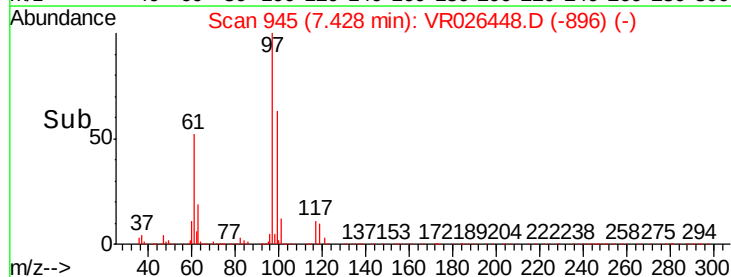
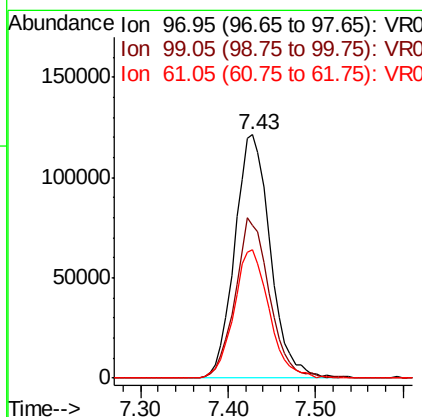
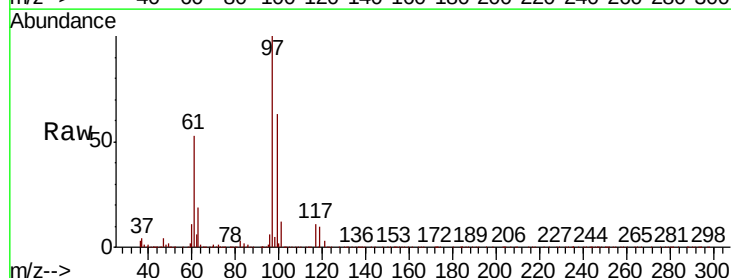
Instrument :
 MSVOA_R
 ClientSampleId :

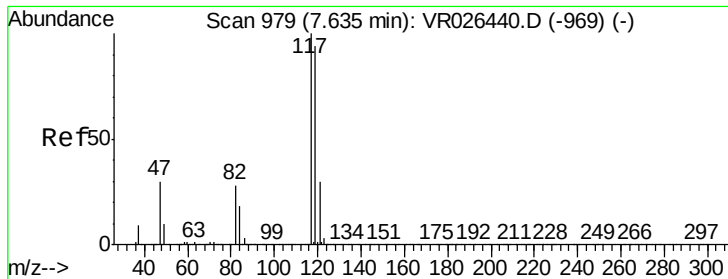
Tot Ion: 62 Resp: 187881
 Ion Ratio Lower Upper
 62 100
 98 4.9 4.8 7.2



#29
 1,1,1-Trichloroethane
 Concen: 4.789 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VR026448.D
 Acq: 4 Apr 2019 15:54

Tgt Ion: 97 Resp: 342030
 Ion Ratio Lower Upper
 97 100
 99 63.6 49.6 74.4
 61 52.2 41.8 62.6





#31

Carbon tetrachloride

Concen: 4.782 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Instrument :

MSVOA_R

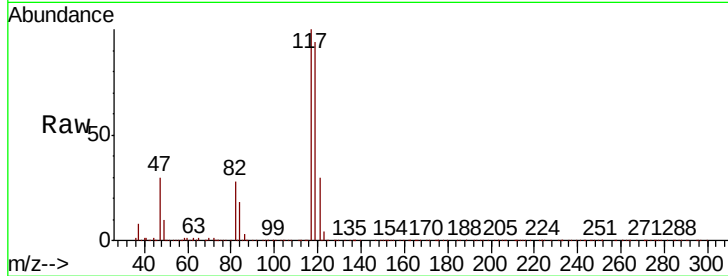
ClientSampled :

Tot Ion:117 Resp: 323511

Ion Ratio Lower Upper

117 100

119 96.4 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

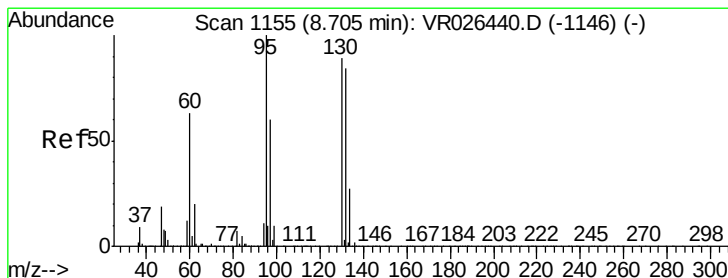
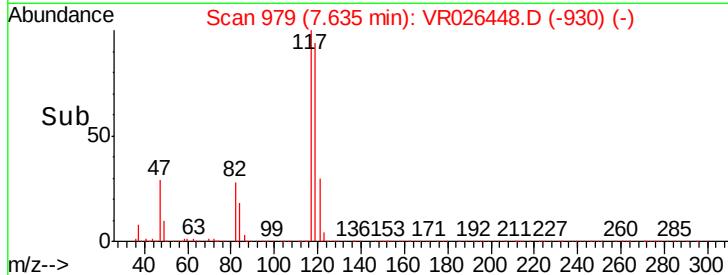
150000

100000

50000

0

Time-->



#34

Trichloroethene

Concen: 8.233 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Tgt Ion: 95 Resp: 372909

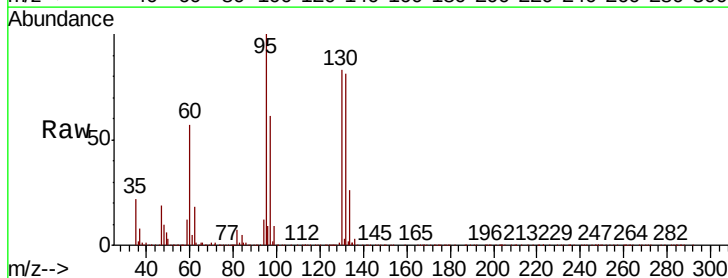
Ion Ratio Lower Upper

95 100

97 61.4 43.8 81.3

132 81.2 57.2 106.2

130 83.2 59.7 110.9



Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

300000

250000

200000

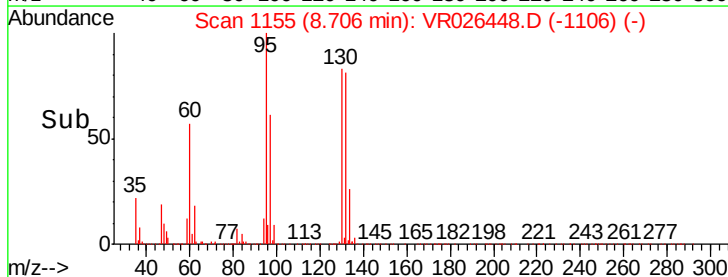
150000

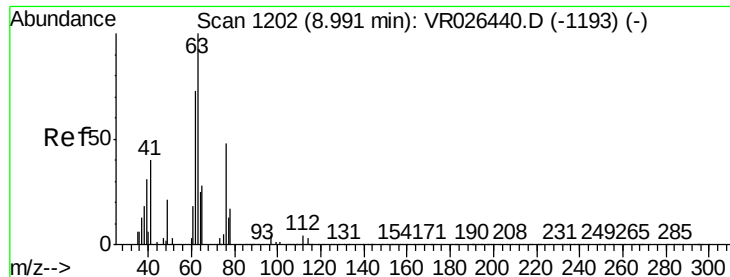
100000

50000

0

Time-->

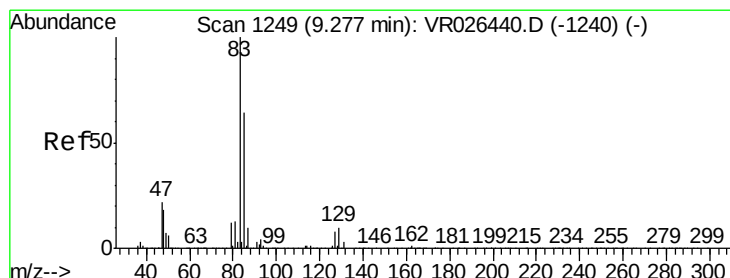
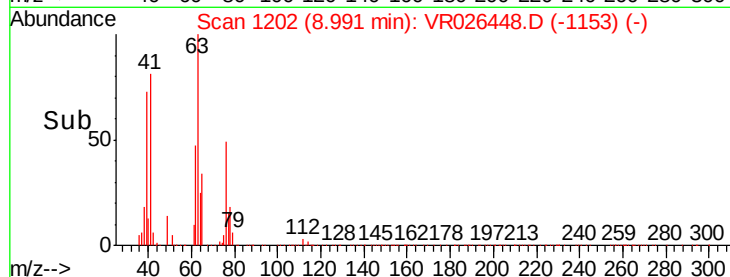
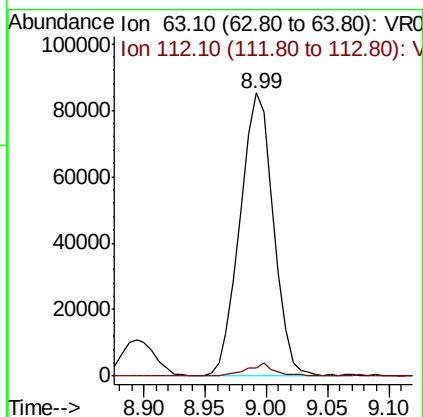
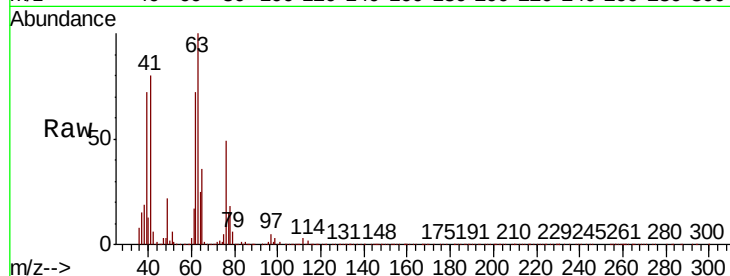




#37
 1,2-Dichloropropane
 Concen: 4.368 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026448.D
 Acq: 4 Apr 2019 15:54

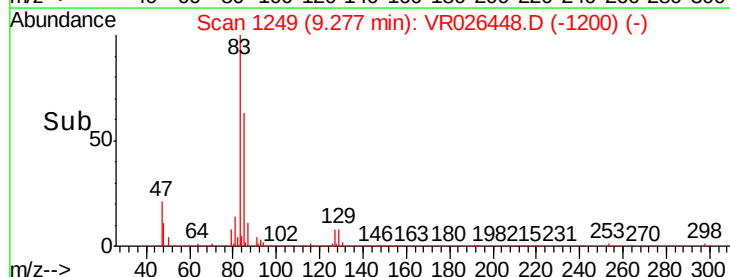
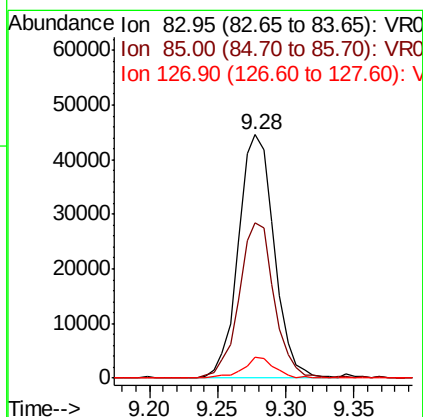
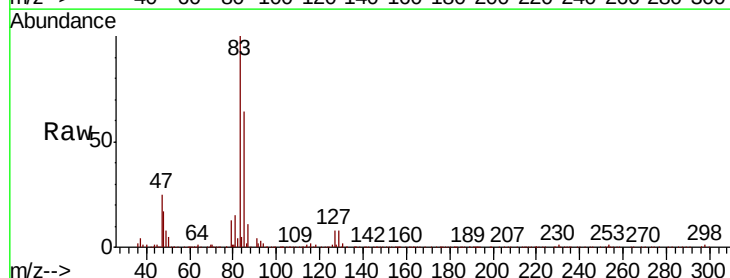
Instrument :
 MSVOA_R
 ClientSampleId :

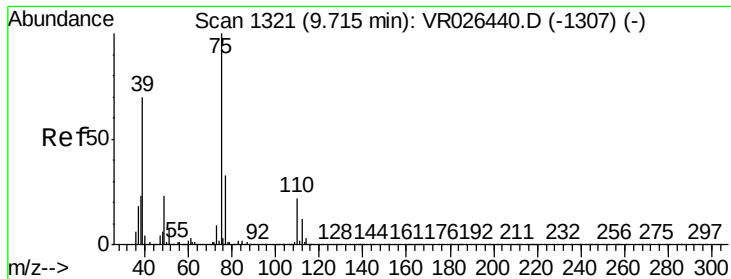
Tot Ion: 63 Resp: 161857
 Ion Ratio Lower Upper
 63 100
 112 3.8 2.8 4.2



#38
 Bromodichloromethane
 Concen: 1.908 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VR026448.D
 Acq: 4 Apr 2019 15:54

Tgt Ion: 83 Resp: 81707
 Ion Ratio Lower Upper
 83 100
 85 63.8 46.6 86.6
 127 8.5 5.6 8.4#



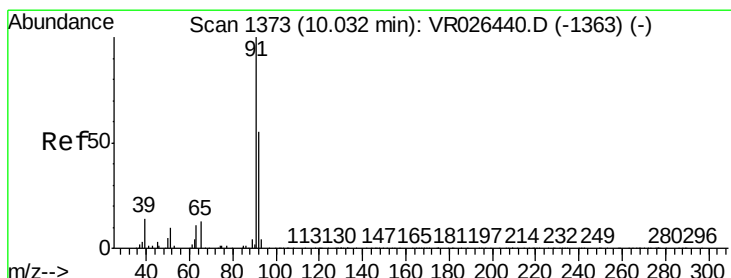
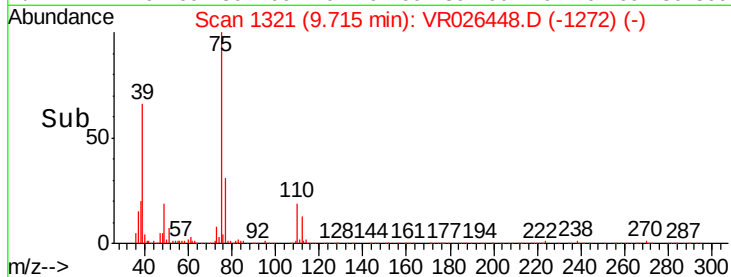
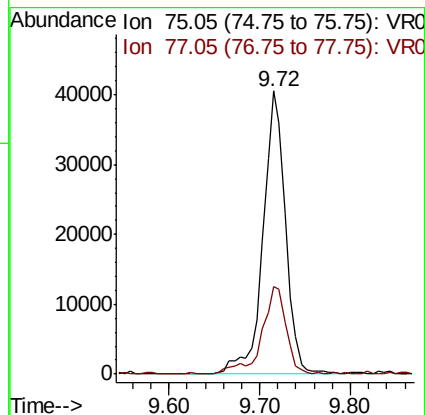
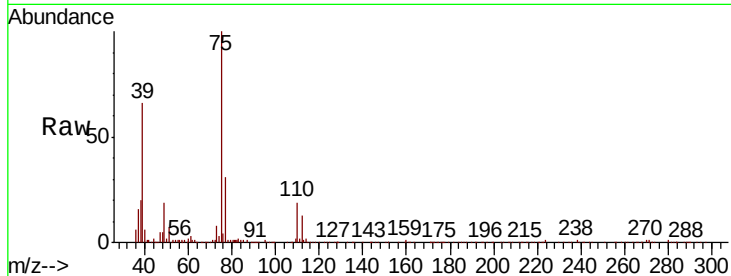


#39

cis-1,3-Dichloropropene
Concen: 1.723 ug/L
RT: 9.72 min Scan# 1321
Delta R.T. 0.00 min
Lab File: VR026448.D
Acq: 4 Apr 2019 15:54

Instrument :
MSVOA_R
ClientSampleId :

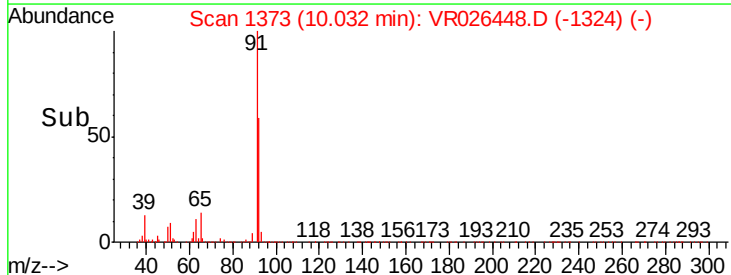
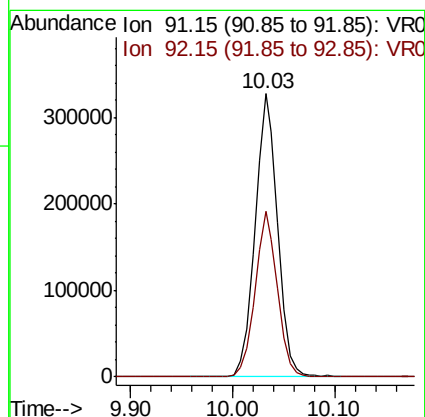
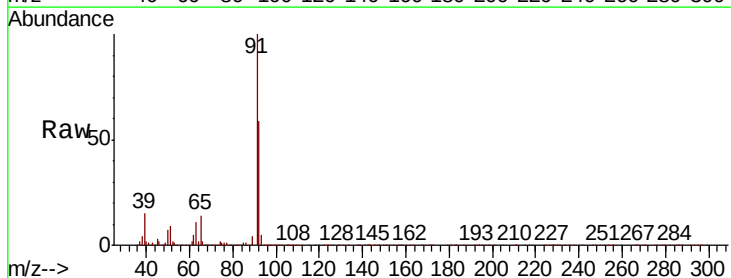
Tot Ion: 75 Resp: 69292
Ion Ratio Lower Upper
75 100
77 30.8 22.3 41.5

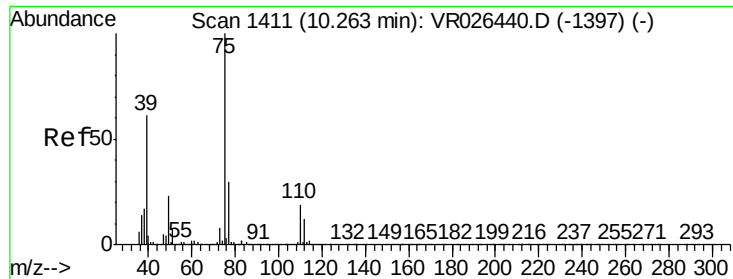


#42

Toluene
Concen: 2.904 ug/L
RT: 10.03 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VR026448.D
Acq: 4 Apr 2019 15:54

Tgt Ion: 91 Resp: 503167
Ion Ratio Lower Upper
91 100
92 58.5 40.9 75.9





#44

trans-1,3-Dichloropropene

Concen: 0.120 ug/L

RT: 10.23 min Scan# 1406

Delta R.T. -0.03 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Instrument :

MSVOA_R

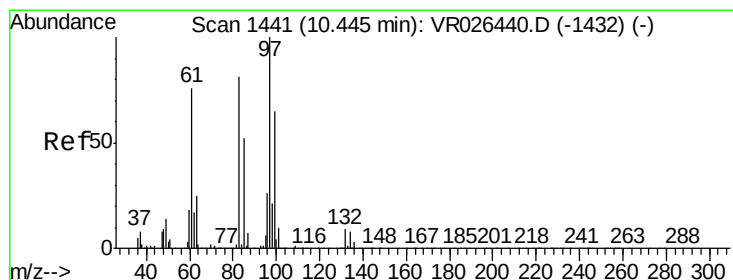
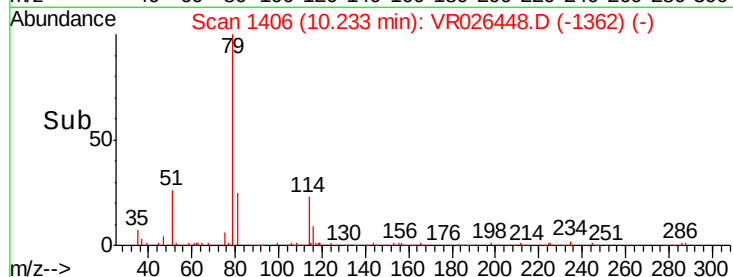
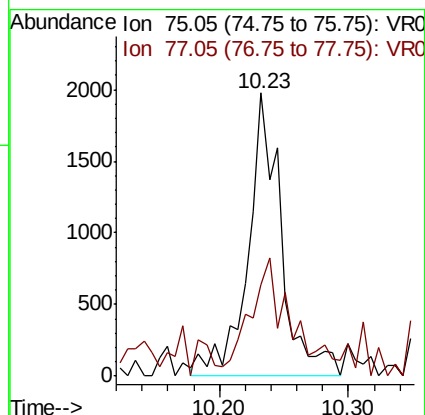
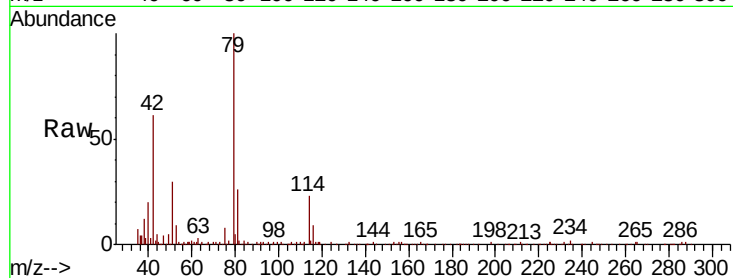
ClientSampleId :

Tot Ion: 75 Resp: 3511

Ion Ratio Lower Upper

75 100

77 32.3 22.7 42.1



#45

1,1,2-Trichloroethane

Concen: 7.988 ug/L

RT: 10.44 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Tgt Ion: 97 Resp: 119749

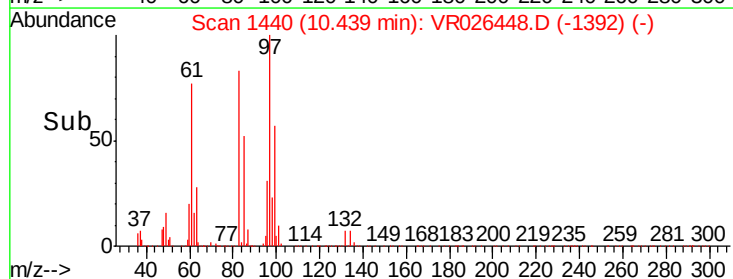
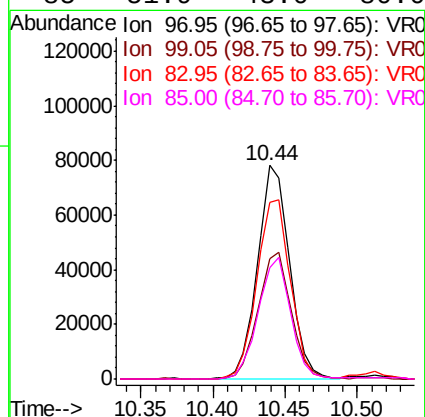
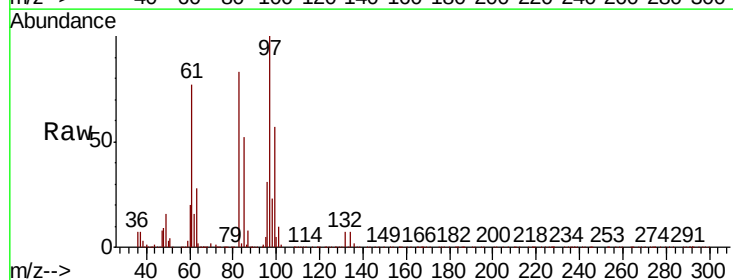
Ion Ratio Lower Upper

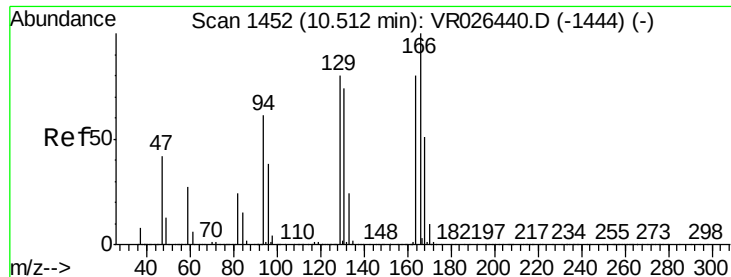
97 100

99 56.6 41.7 77.5

83 82.8 59.5 110.5

85 51.9 43.0 80.0





#47

Tetrachloroethene

Concen: 4.685 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:164 Resp: 151018

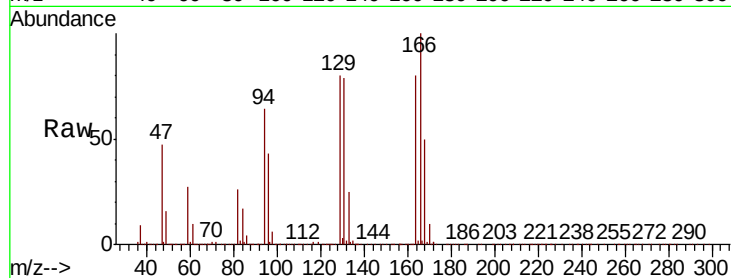
Ion Ratio Lower Upper

164 100

129 100.6 74.1 137.5

131 98.8 71.3 132.5

166 125.6 90.9 168.9

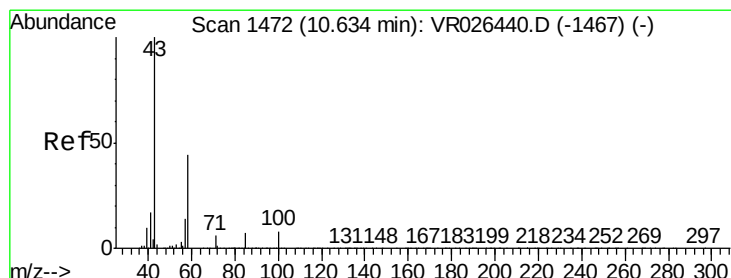
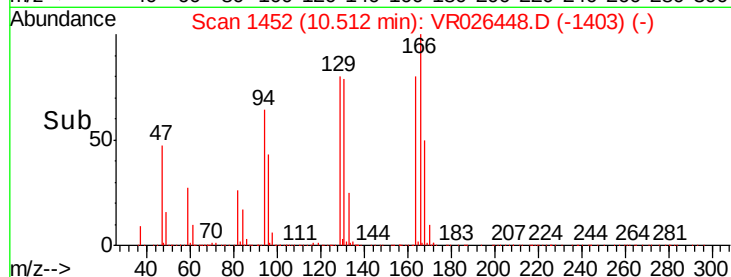
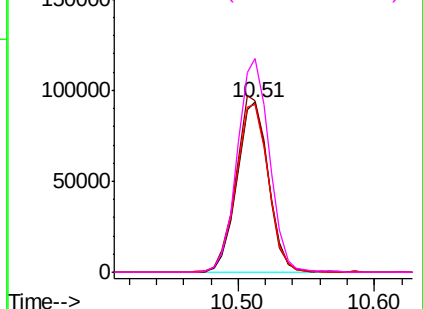


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.164 ug/L

RT: 10.59 min Scan# 1464

Delta R.T. -0.05 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Tgt Ion: 43 Resp: 22851

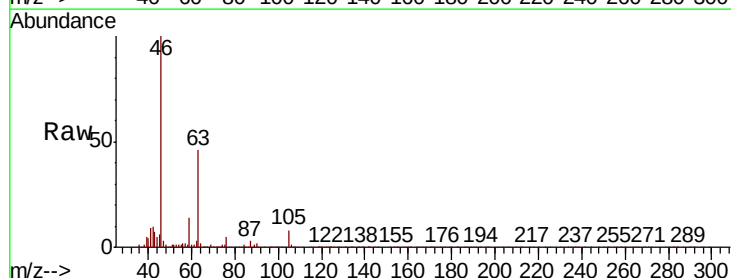
Ion Ratio Lower Upper

43 100

58 24.5 38.2 57.2#

57 28.2 13.8 20.6#

100 3.2 6.2 9.2#

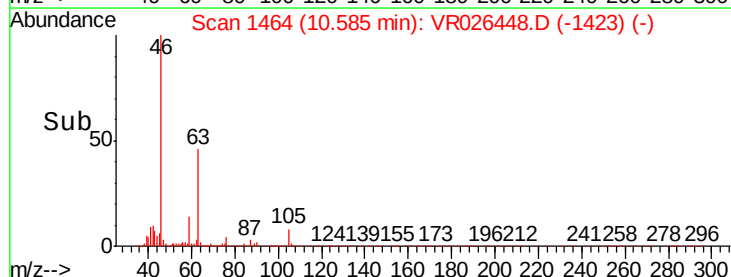
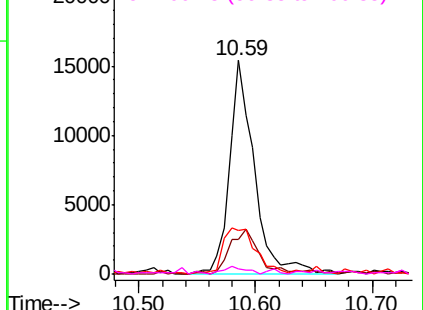


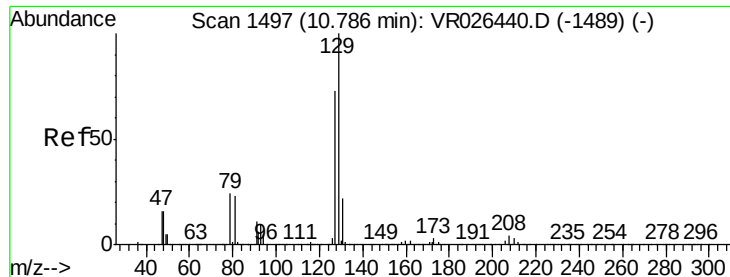
Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0





#49

Dibromochloromethane

Concen: 5.683 ug/L

RT: 10.78 min Scan# 1496

Delta R.T. -0.01 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Instrument :

MSVOA_R

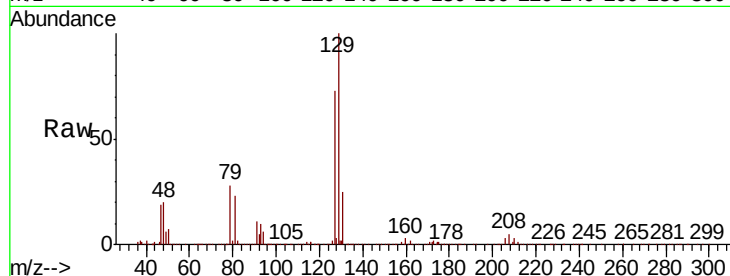
ClientSampleId :

Tot Ion:129 Resp: 111595

Ion Ratio Lower Upper

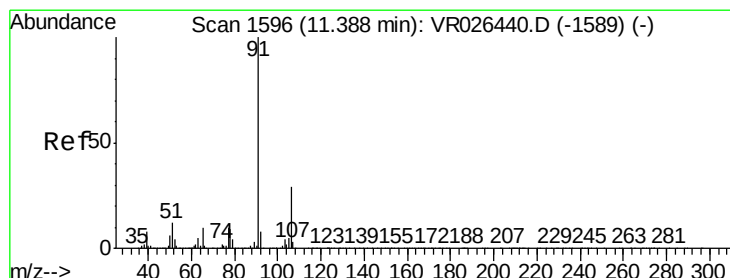
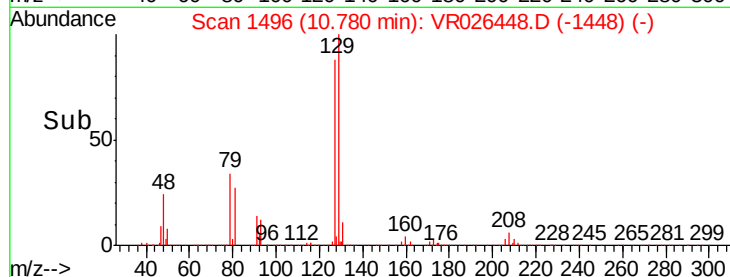
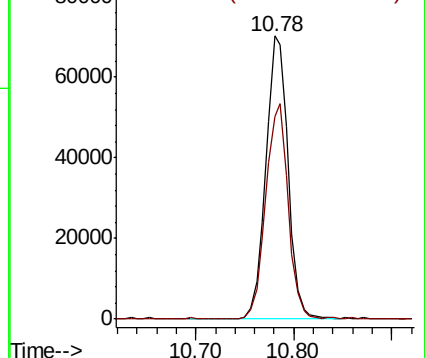
129 100

127 71.8 50.2 93.2



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#52

Ethylbenzene

Concen: 10.688 ug/L

RT: 11.39 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VR026448.D

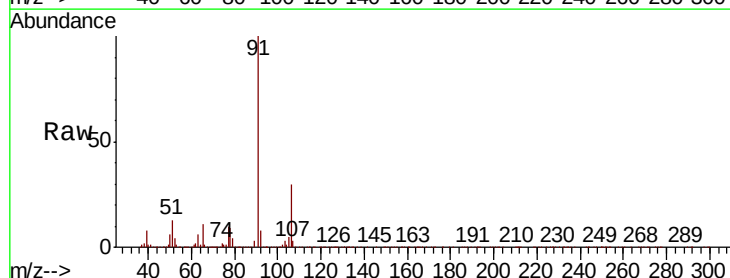
Acq: 4 Apr 2019 15:54

Tgt Ion: 91 Resp: 2133727

Ion Ratio Lower Upper

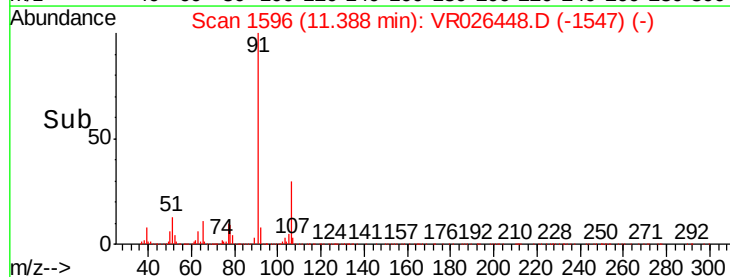
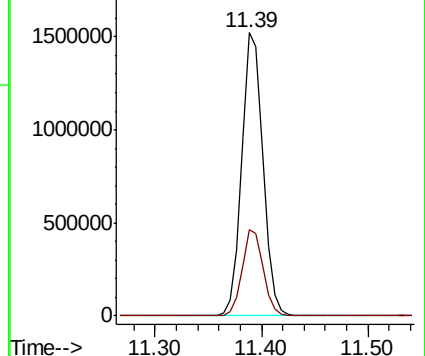
91 100

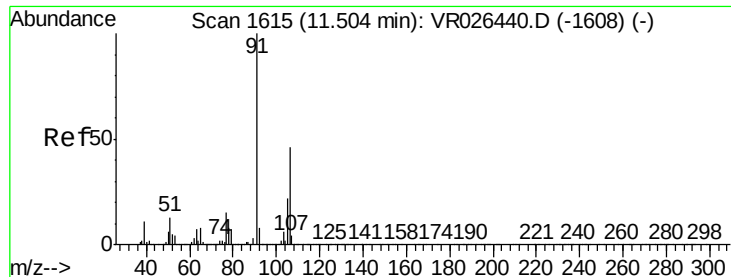
106 30.4 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 8.974 ug/L

RT: 11.39 min Scan# 1596

Delta R.T. -0.12 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Instrument :

MSVOA_R

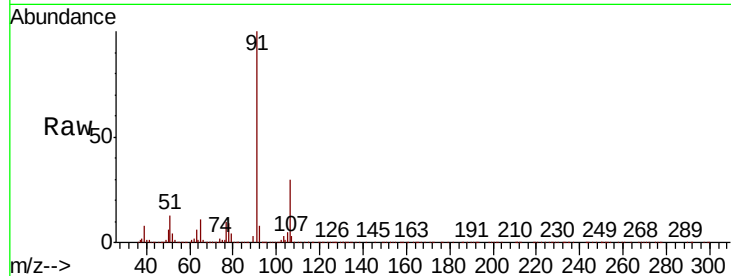
ClientSampleId :

Tot Ion:106 Resp: 642055

Ion Ratio Lower Upper

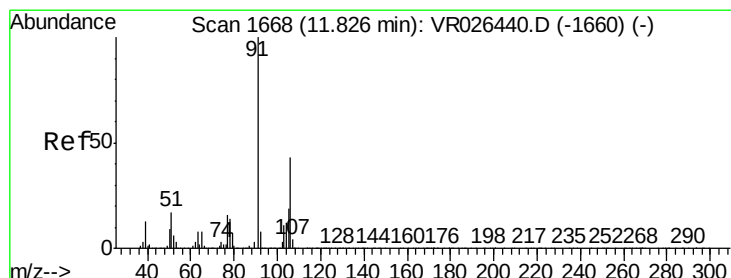
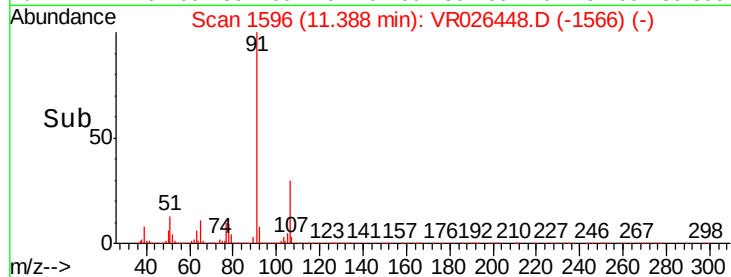
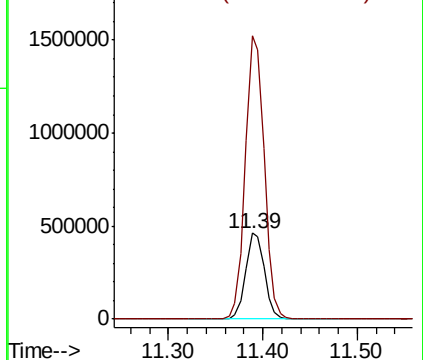
106 100

91 328.6 155.6 289.0#



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#54

o-Xylene

Concen: 2.952 ug/L

RT: 11.83 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VR026448.D

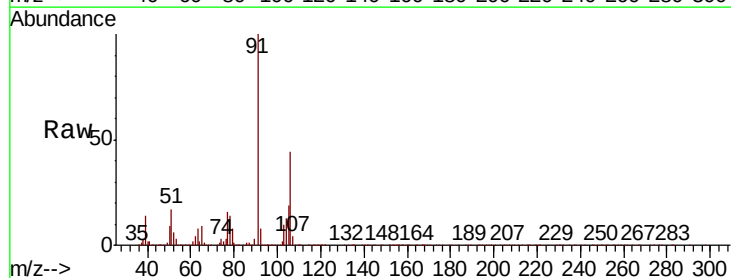
Acq: 4 Apr 2019 15:54

Tgt Ion:106 Resp: 185577

Ion Ratio Lower Upper

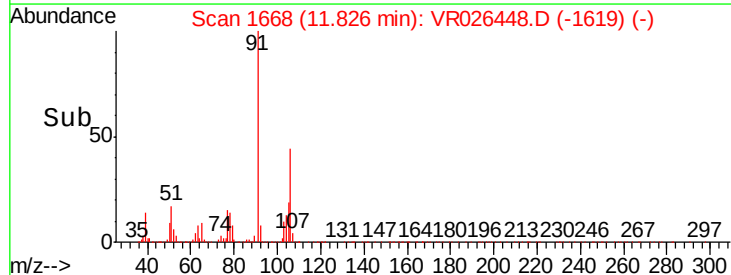
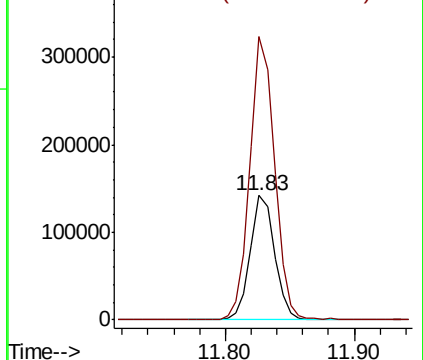
106 100

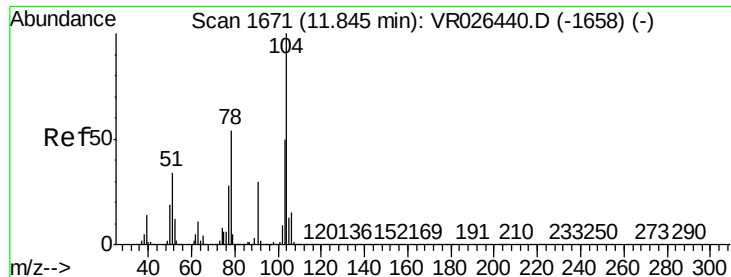
91 227.4 166.2 308.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0





#55

Stvrene

Concen: 2.985 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Instrument :

MSVOA_R

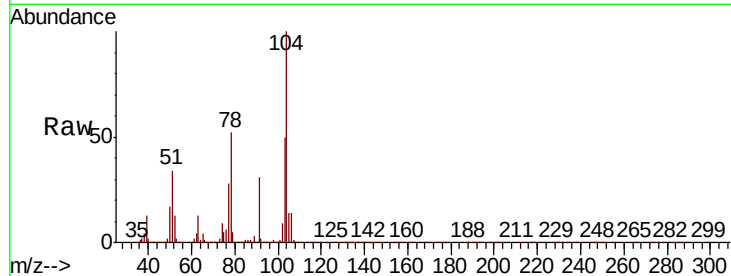
ClientSampled :

Tot Ion:104 Resp: 296253

Ion Ratio Lower Upper

104 100

78 51.8 35.2 65.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR

11.84

200000

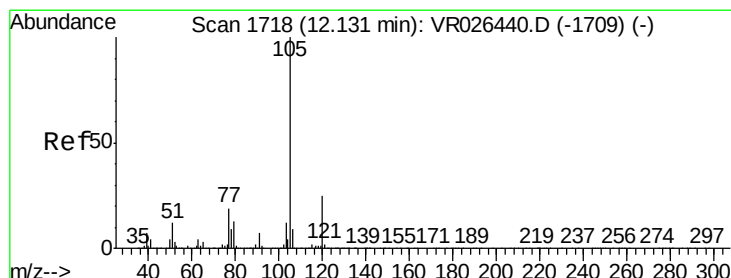
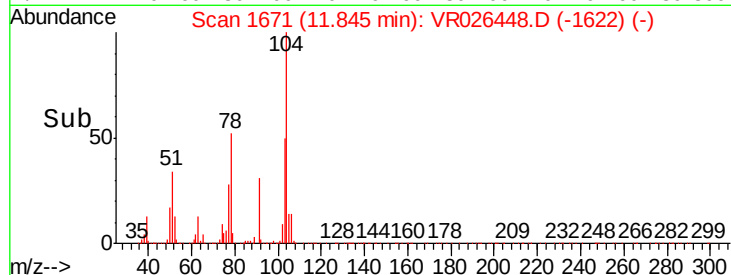
150000

100000

50000

0

Time--> 11.75 11.80 11.85 11.90



#56

Isopropylbenzene

Concen: 8.036 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

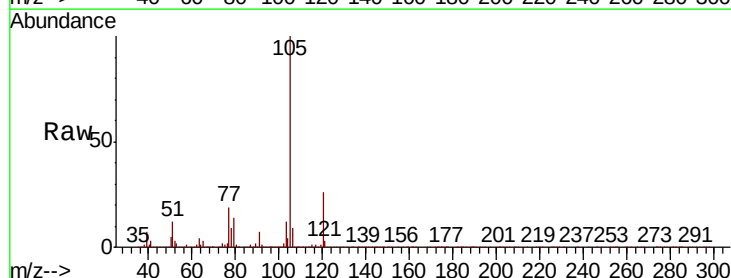
Tgt Ion:105 Resp: 1433908

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.2

77 18.5 14.7 22.1



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): VR

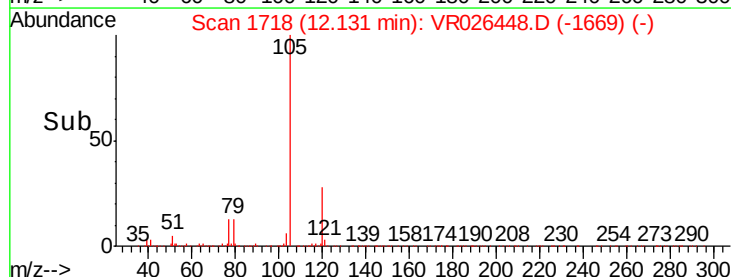
12.13

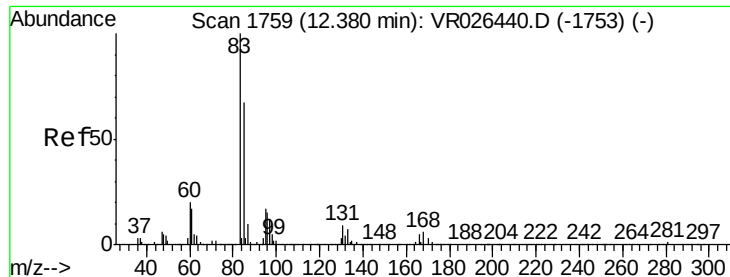
1000000

500000

0

Time--> 12.00 12.10 12.20





#58

1,1,2,2-Tetrachloroethane

Concen: 4.911 ug/L

RT: 12.38 min Scan# 1759

Delta R.T. 0.00 min

Lab File: VR026448.D

Acq: 4 Apr 2019 15:54

Instrument :

MSVOA_R

ClientSampleId :

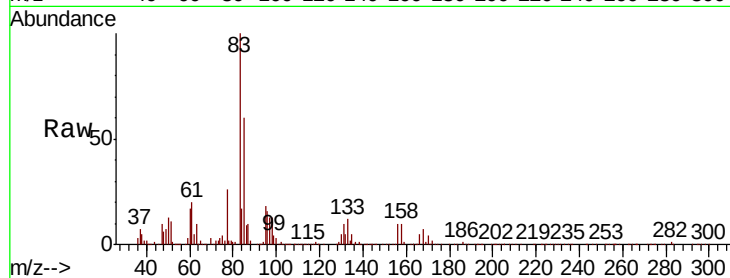
Tot Ion: 83 Resp: 71481

Ion Ratio Lower Upper

83 100

85 59.7 45.1 83.7

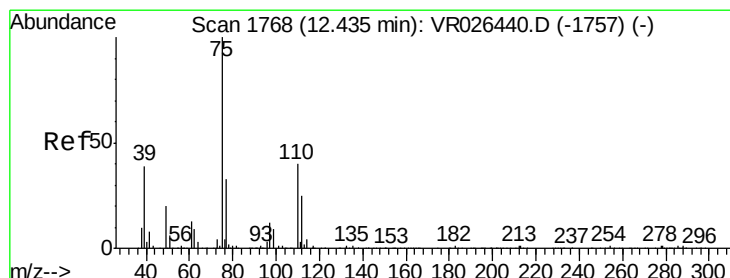
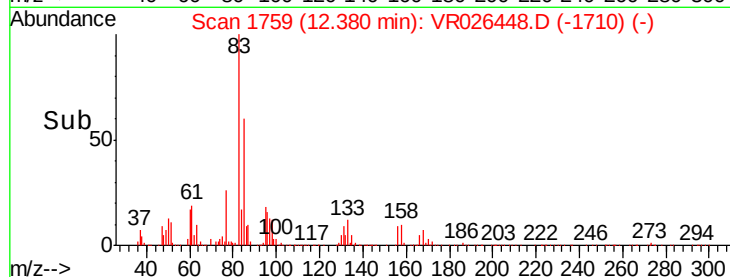
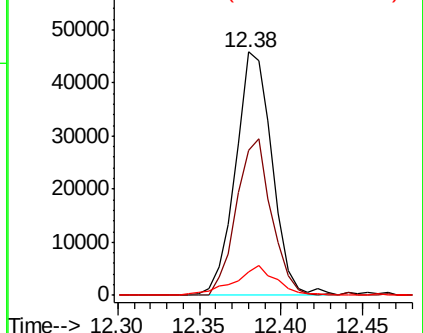
131 9.6 6.9 10.3



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: 2.466 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. -0.04 min

Lab File: VR026448.D

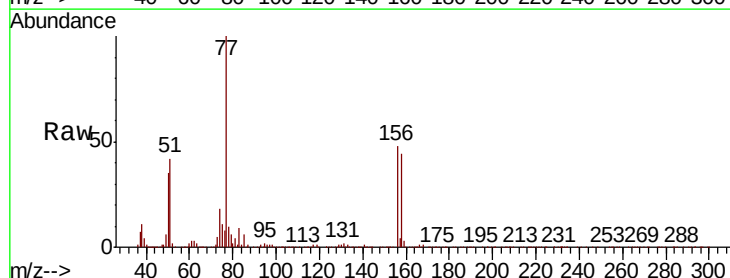
Acq: 4 Apr 2019 15:54

Tgt Ion: 75 Resp: 27537

Ion Ratio Lower Upper

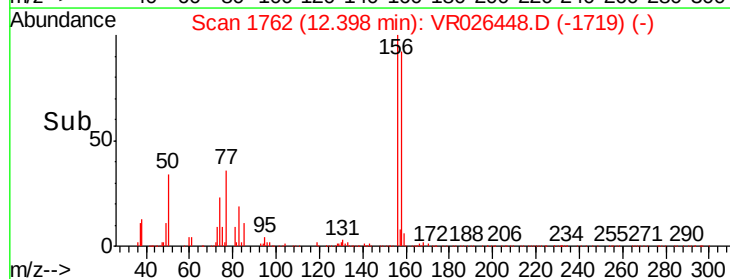
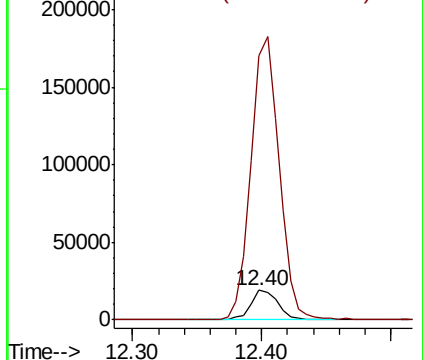
75 100

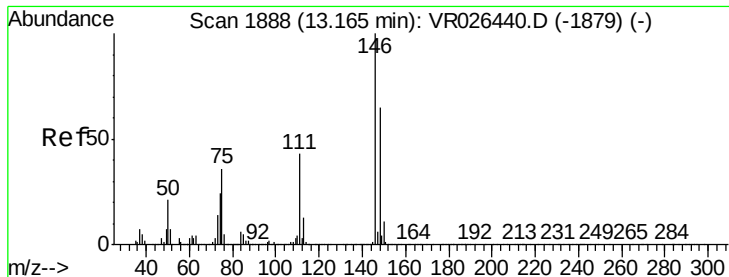
77 992.9 25.0 37.4#



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0





#62

1,3-Dichlorobenzene

Concen: 1.913 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR026448.D

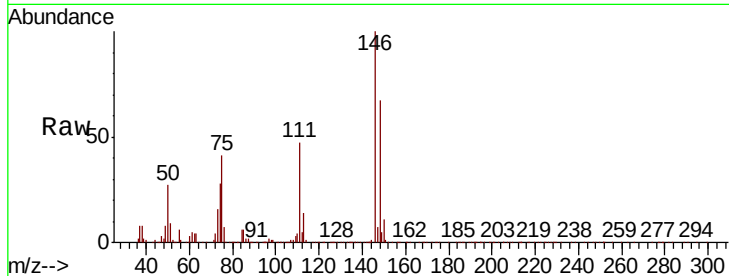
Acq: 4 Apr 2019 15:54

Instrument :

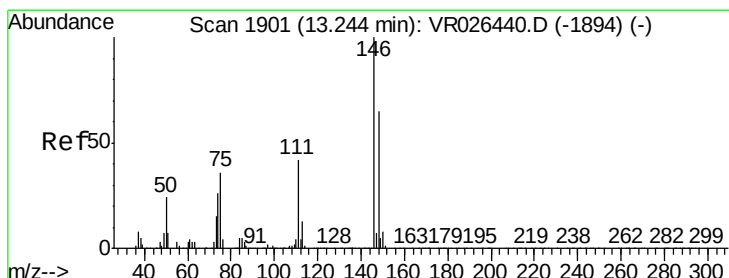
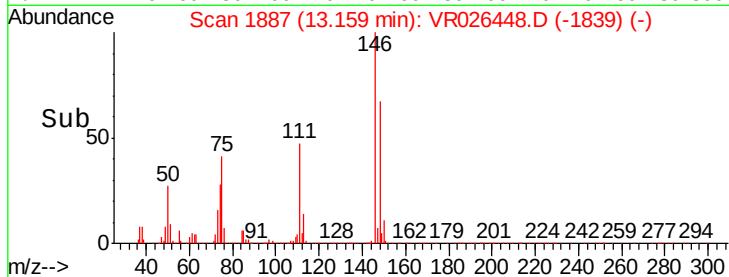
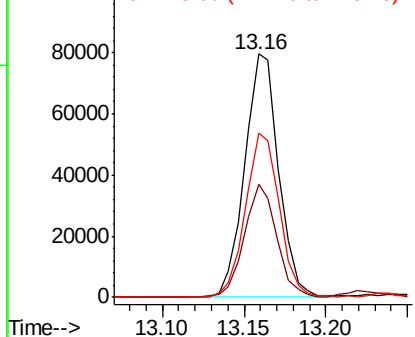
MSVOA_R

ClientSampleId :

Tot Ion:146	Resp:	115235
Ion Ratio	Lower	Upper
146	100	
111	46.6	30.4 56.5
148	67.4	45.4 84.2



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: 1.704 ug/L

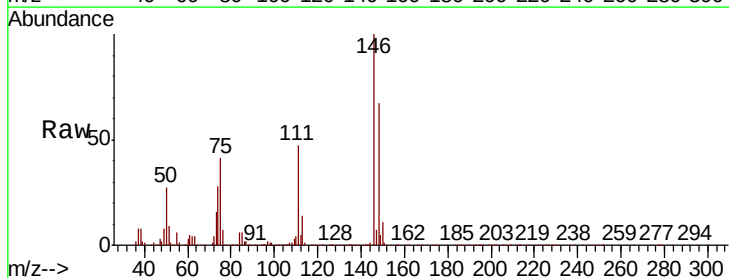
RT: 13.16 min Scan# 1887

Delta R.T. -0.09 min

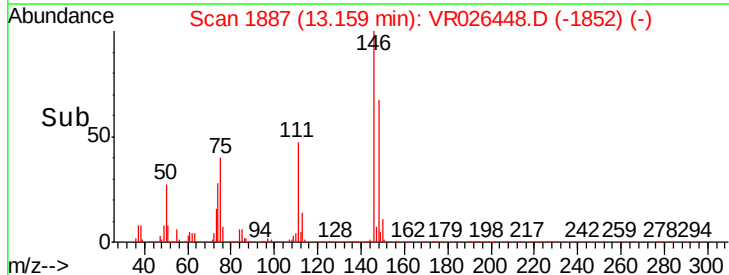
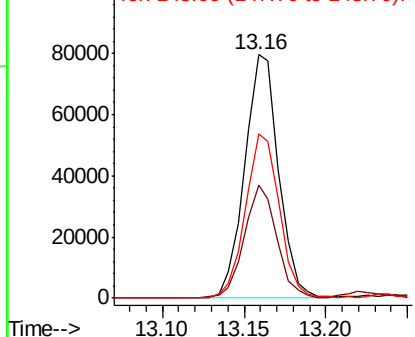
Lab File: VR026448.D

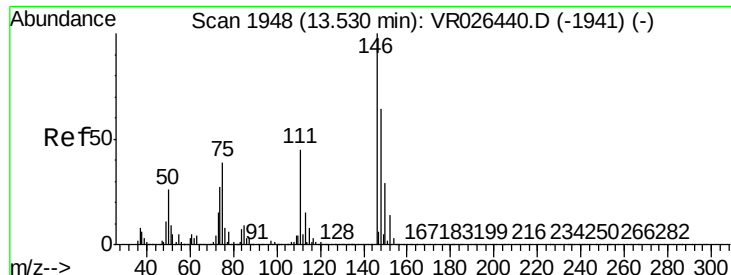
Acq: 4 Apr 2019 15:54

Tgt Ion:146	Resp:	115235
Ion Ratio	Lower	Upper
146	100	
111	46.6	30.5 56.7
148	67.4	45.0 83.6



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: 1.811 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026448.D
 Acq: 4 Apr 2019 15:54

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	35.8	53.6
148	60.5	48.9	73.3

