

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101618\
 Data File : VR026094.D
 Acq On : 16 Oct 2018 10:36
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 17 08:30:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 16 08:21:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	619679	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	528554	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	204526	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	244350	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	2.63	69	227621	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	3.62	63	626750	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	6.59	46	190520	42.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.58%
24) Chloroform-d	7.21	84	385708	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	7.90	65	155717	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	7.86	84	763243	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	8.90	67	197331	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	9.97	98	740253	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	10.24	79	48876	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	10.59	63	163237	49.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.30%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	80576	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	139655	4.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	191070	4.590	ug/L 96
3) Chloromethane	2.02	50	329491	4.985	ug/L 100
5) Vinyl chloride	2.17	62	337674	5.128	ug/L 97
6) Bromomethane	2.52	94	221892	5.102	ug/L 99
8) Chloroethane	2.66	64	205643	5.040	ug/L 99
9) Trichlorofluoromethane	2.94	101	241224	2.538	ug/L # 66
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	288651	5.093	ug/L 99
12) 1,1-Dichloroethene	3.63	96	299426	4.969	ug/L 95
13) Acetone	3.70	43	220232	47.847	ug/L 99
14) Carbon disulfide	3.94	76	842826	5.350	ug/L 99
15) Methyl Acetate	4.19	43	52115	4.334	ug/L 100
16) Methylene chloride	4.40	84	250987	4.593	ug/L 97
17) Methyl tert-butyl Ether	4.90	73	232685	4.253	ug/L 98
18) trans-1,2-Dichloroethene	4.89	96	214081	4.698	ug/L 98
19) 1,1-Dichloroethane	5.70	63	394944	4.616	ug/L 98
21) 2-Butanone	6.69	43	238741	44.961	ug/L 100
22) cis-1,2-Dichloroethene	6.67	96	204767	4.750	ug/L # 97

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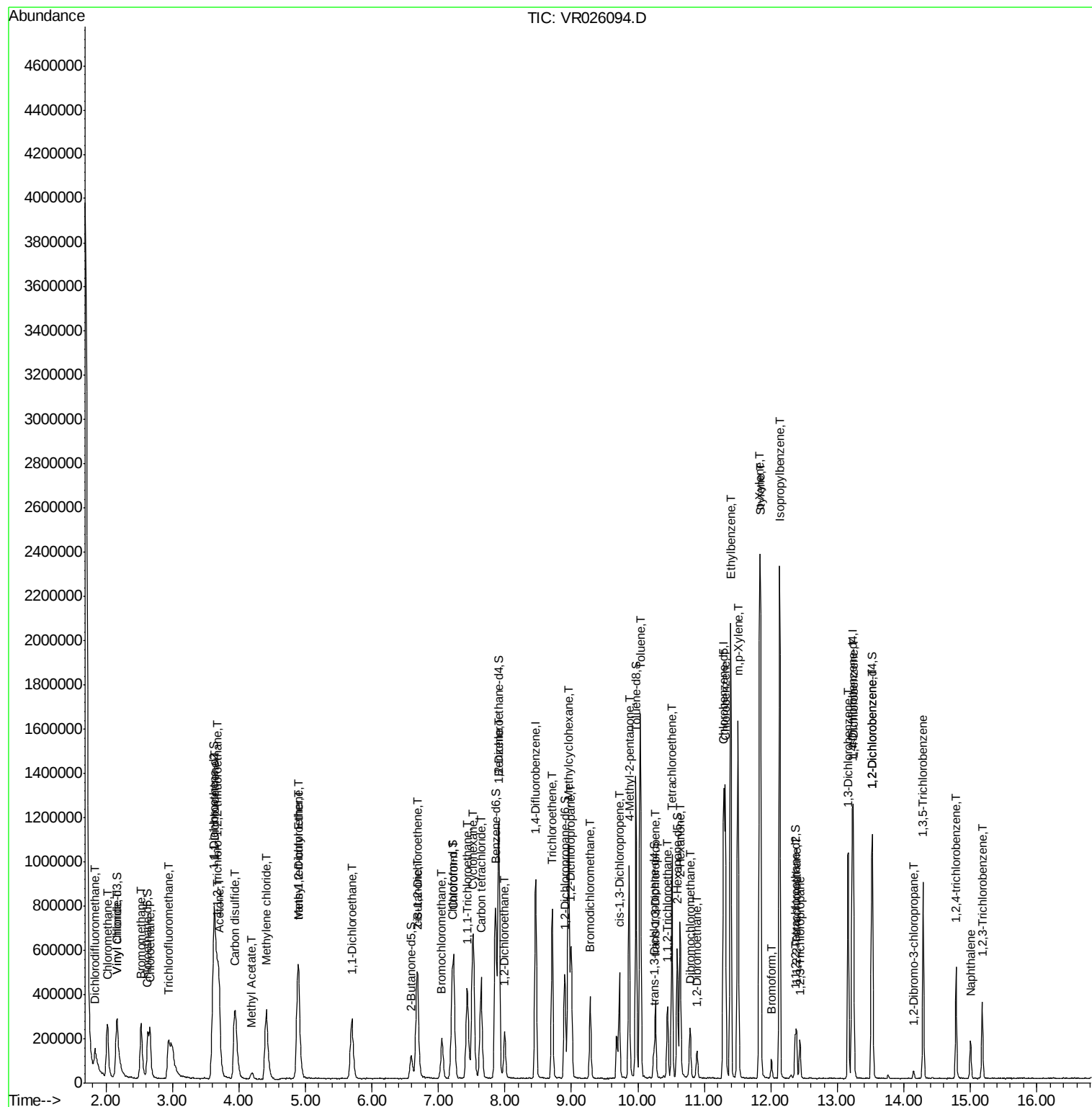
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	53435	4.419	ug/L	91
25) Chloroform	7.23	83	392596	4.702	ug/L	94
27) 1,2-Dichloroethane	7.99	62	186543	4.564	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	349670	4.841	ug/L	99
30) Cyclohexane	7.52	56	384541	5.304	ug/L	99
31) Carbon tetrachloride	7.64	117	313840	4.779	ug/L	95
33) Benzene	7.91	78	952981	4.805	ug/L	100
34) Trichloroethene	8.71	95	246763	4.861	ug/L	95
35) Methylcyclohexane	8.95	83	395607	5.235	ug/L	99
37) 1,2-Dichloropropane	9.00	63	196620	4.699	ug/L	98
38) Bromodichloromethane	9.28	83	219330	4.874	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	226869	4.737	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	609378	47.687	ug/L	99
42) Toluene	10.04	91	1034306	4.941	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	158760	4.745	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	84353	4.779	ug/L	95
47) Tetrachloroethene	10.51	164	173207	4.778	ug/L	96
48) 2-Hexanone	10.63	43	423786	50.777	ug/L	98
49) Dibromochloromethane	10.79	129	95744	4.820	ug/L	94
50) 1,2-Dibromoethane	10.89	107	69013	4.526	ug/L	89
51) Chlorobenzene	11.32	112	544254	4.697	ug/L	98
52) Ethylbenzene	11.39	91	1231099	5.115	ug/L	99
53) m,p-Xylene	11.50	106	444382	5.067	ug/L	93
54) o-Xylene	11.83	106	411824	5.122	ug/L	99
55) Styrene	11.84	104	640279	5.174	ug/L	99
56) Isopropylbenzene	12.13	105	1186850	5.315	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	81121	4.522	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	59367	4.508	ug/L	100
61) Bromoform	12.01	173	30376	4.273	ug/L	94
62) 1,3-Dichlorobenzene	13.16	146	319862	4.708	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	333897	4.745	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	257379	4.720	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	7158	3.222	ug/L	95
67) 1,3,5-Trichlorobenzene	14.29	180	196452	4.745	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	112880	4.671	ug/L	99
69) Naphthalene	15.00	128	108158	4.609	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	80109	4.773	ug/L	100

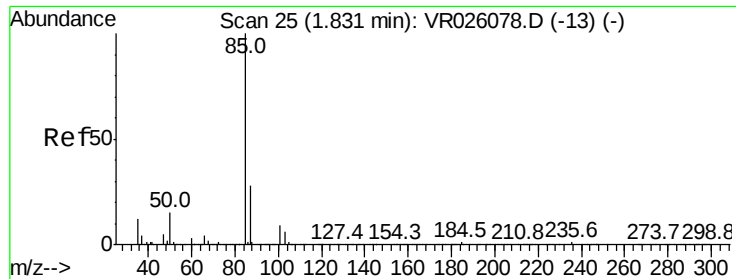
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.590 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

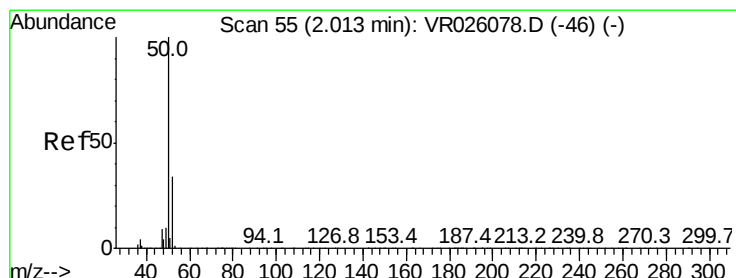
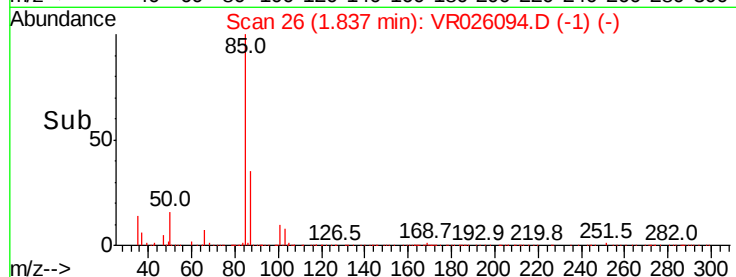
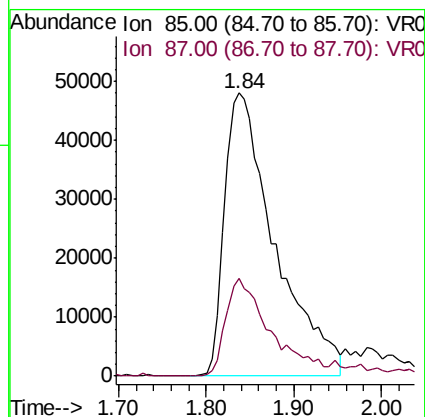
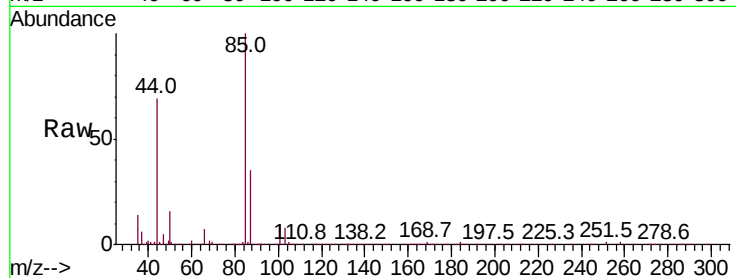
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 85 Resp: 191070

Ion Ratio Lower Upper

85 100

87 31.2 23.4 35.2



#3

Chloromethane

Concen: 4.985 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026094.D

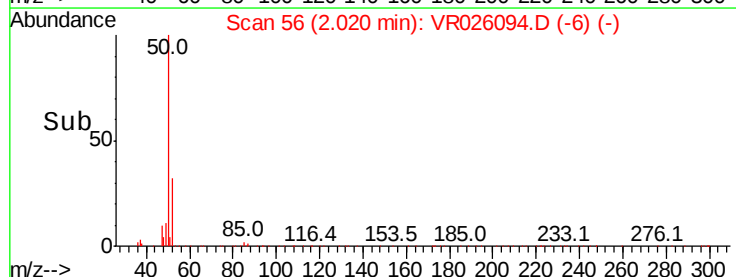
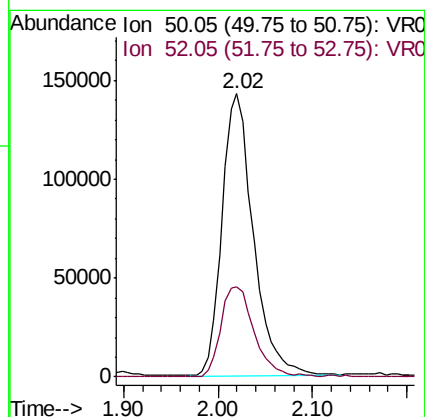
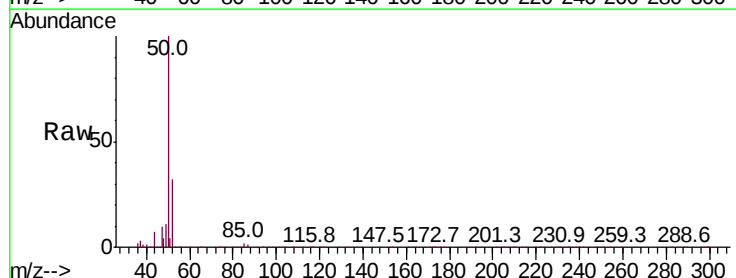
Acq: 16 Oct 2018 10:36

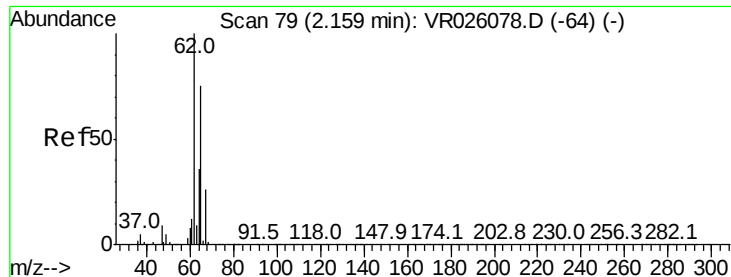
Tgt Ion: 50 Resp: 329491

Ion Ratio Lower Upper

50 100

52 31.6 22.0 40.8





#5

Vinyl chloride

Concen: 5.128 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.01 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

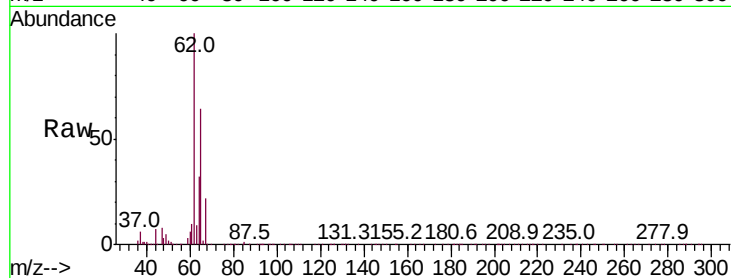
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 62 Resp: 337674

Ion Ratio Lower Upper

62 100

64 32.1 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.17

100000

80000

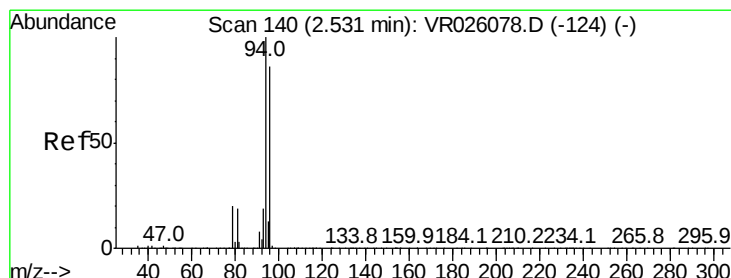
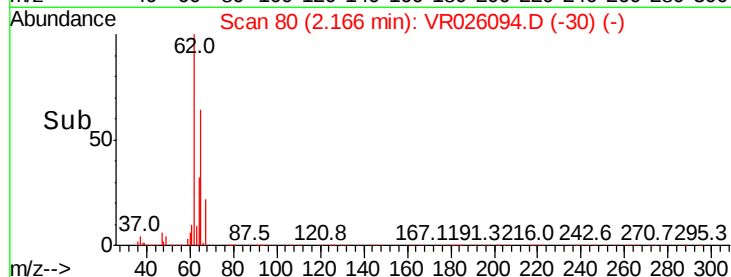
60000

40000

20000

0

Time--> 2.00 2.20 2.40



#6

Bromomethane

Concen: 5.102 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR026094.D

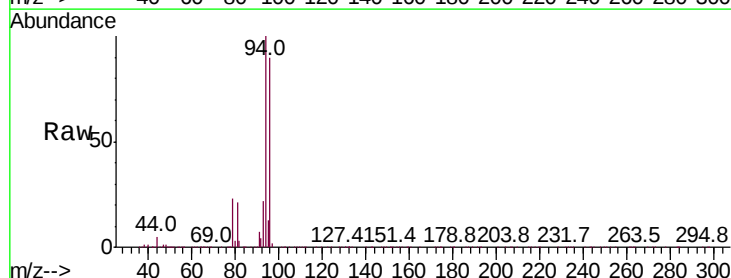
Acq: 16 Oct 2018 10:36

Tgt Ion: 94 Resp: 221892

Ion Ratio Lower Upper

94 100

96 90.1 62.5 116.1



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

2.52

100000

80000

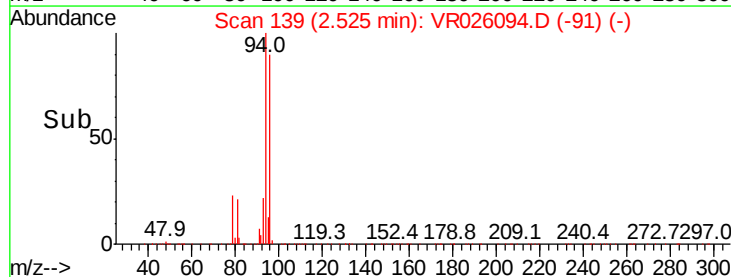
60000

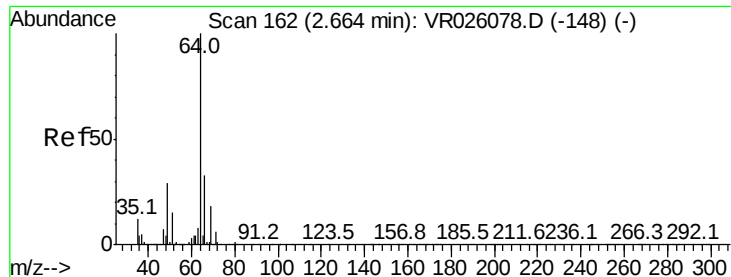
40000

20000

0

Time--> 2.40 2.50 2.60

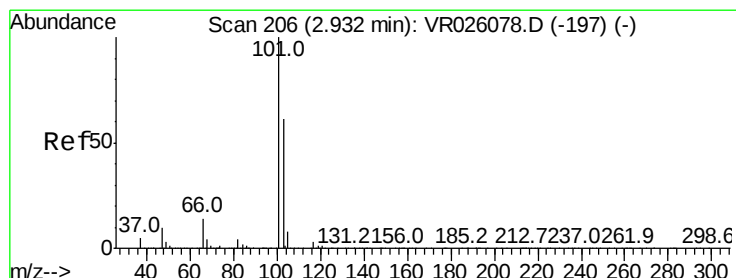
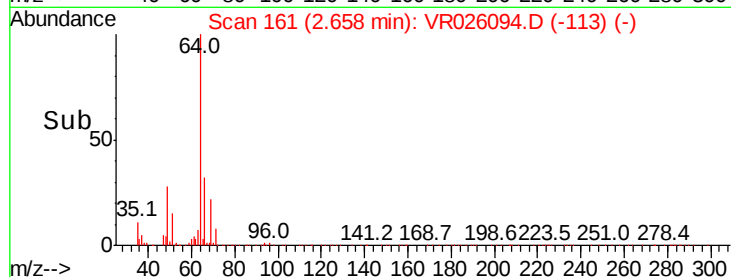
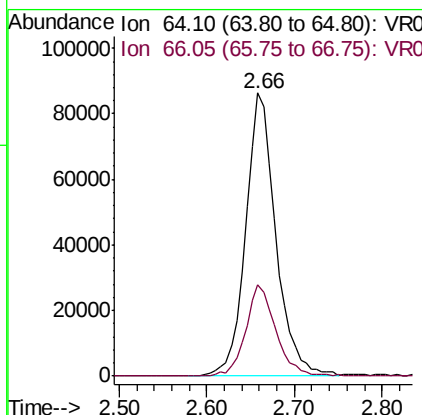
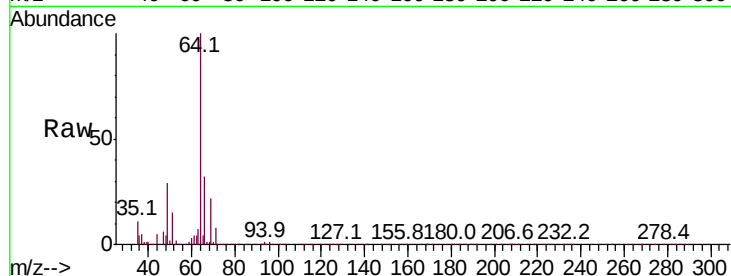




#8
Chloroethane
Concen: 5.040 ug/L
RT: 2.66 min Scan# 161
Delta R.T. -0.01 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

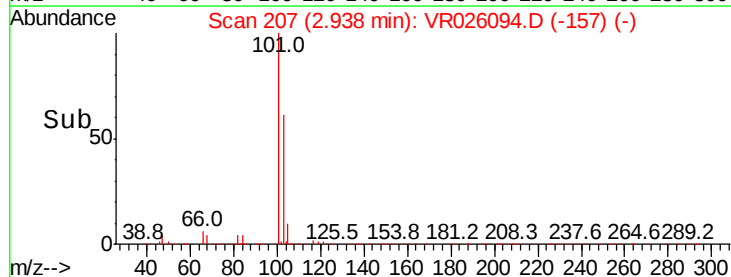
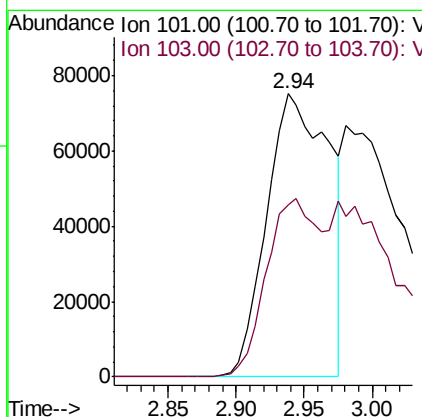
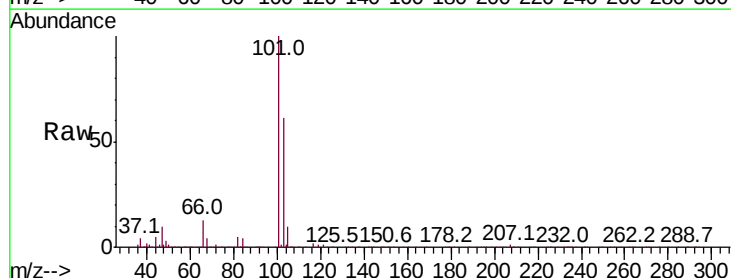
Instrument :
MSVOA_R
ClientSampleId :

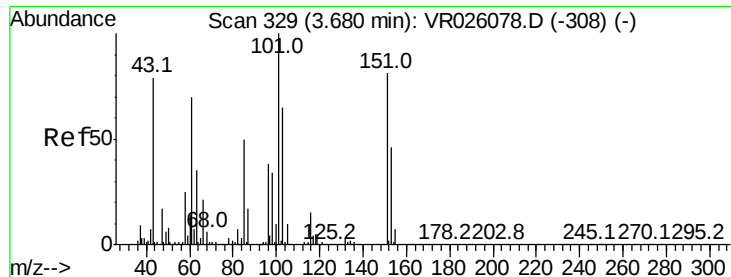
Tot Ion: 64 Resp: 205643
Ion Ratio Lower Upper
64 100
66 32.2 22.0 40.8



#9
Trichlorofluoromethane
Concen: 2.538 ug/L
RT: 2.94 min Scan# 207
Delta R.T. 0.01 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

Tgt Ion:101 Resp: 241224
Ion Ratio Lower Upper
101 100
103 51.6 26.0 39.0#





#10

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

Concen: 5.093 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.01 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

Instrument :

MSVOA_R

ClientSampleId :

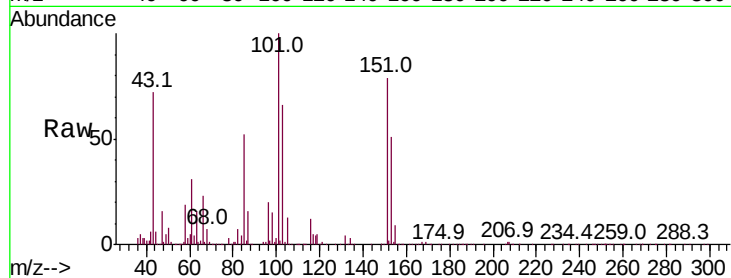
Tot Ion:101 Resp: 288651

Ion Ratio Lower Upper

101 100

85 48.3 37.8 56.8

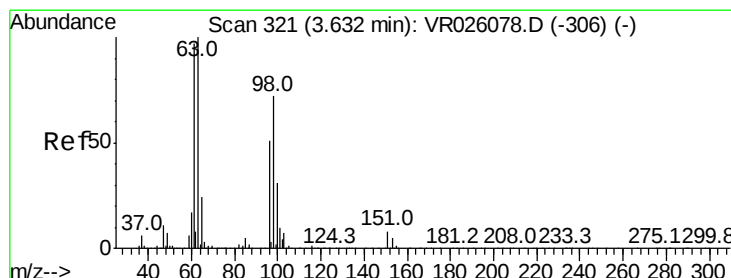
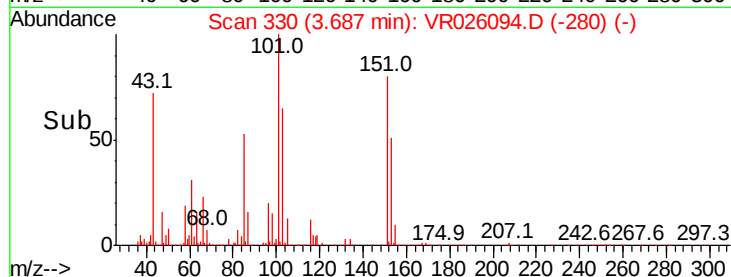
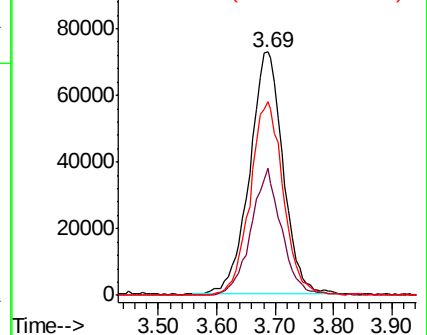
151 79.0 63.2 94.8



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: 4.969 ug/L

RT: 3.63 min Scan# 321

Delta R.T. 0.00 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

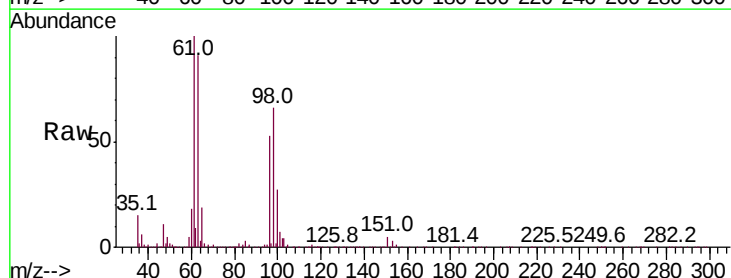
Tgt Ion: 96 Resp: 299426

Ion Ratio Lower Upper

96 100

61 188.2 126.7 235.3

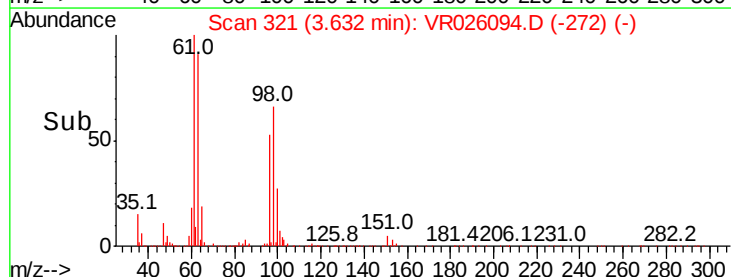
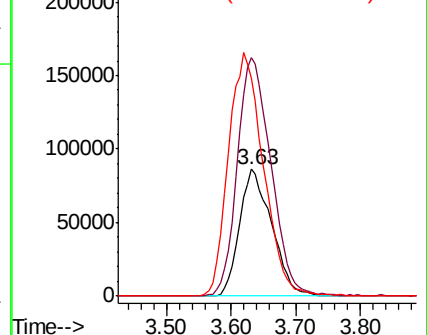
63 171.3 125.0 232.2

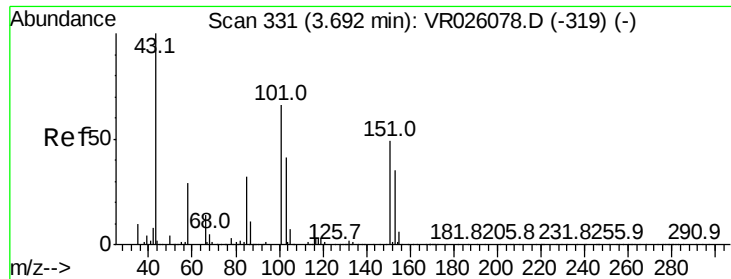


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 47.847 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

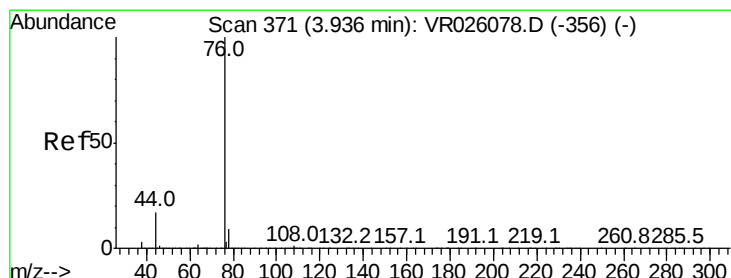
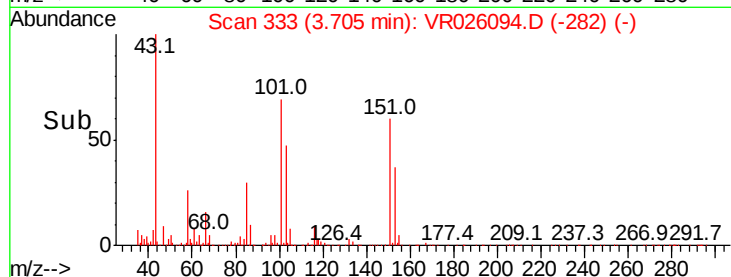
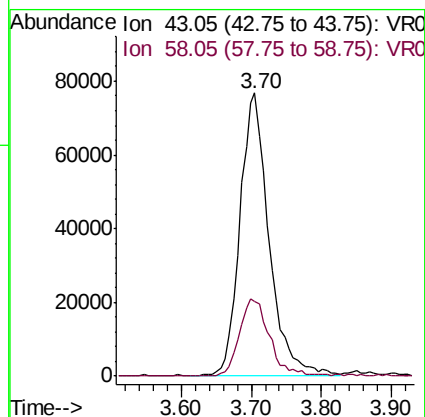
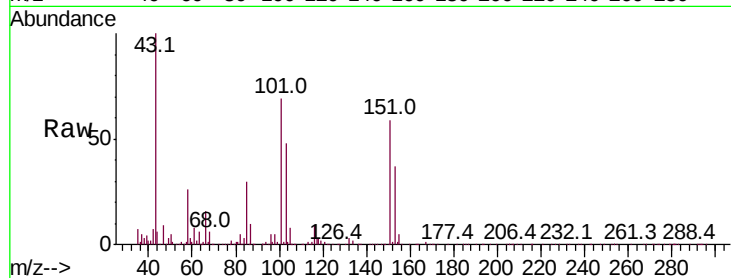
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 220232

Ion Ratio Lower Upper

43 100

58 28.3 0.0 55.4



#14

Carbon disulfide

Concen: 5.350 ug/L

RT: 3.94 min Scan# 372

Delta R.T. 0.01 min

Lab File: VR026094.D

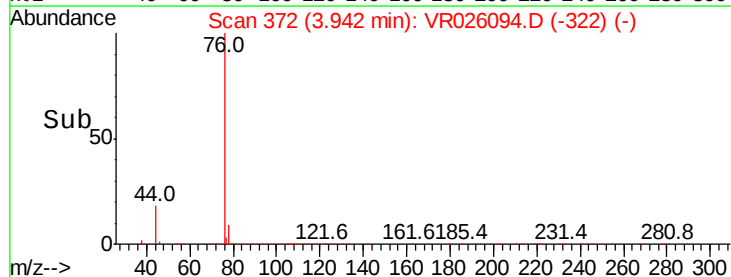
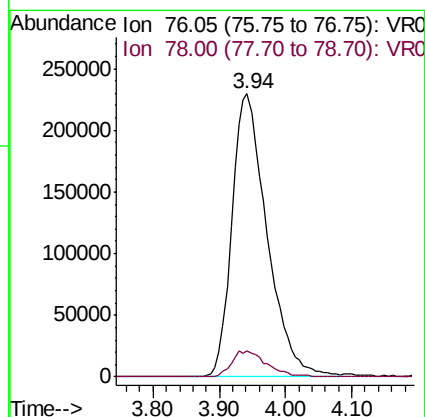
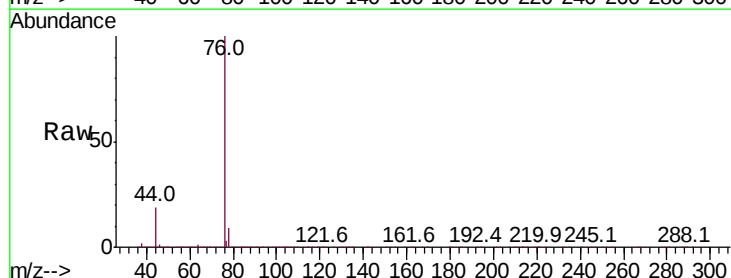
Acq: 16 Oct 2018 10:36

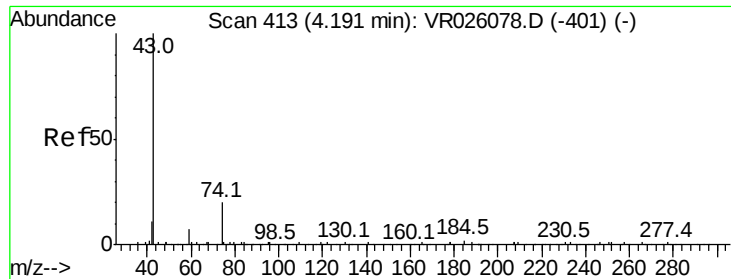
Tgt Ion: 76 Resp: 842826

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4





#15

Methyl Acetate

Concen: 4.334 ug/L

RT: 4.19 min Scan# 413

Delta R.T. 0.00 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

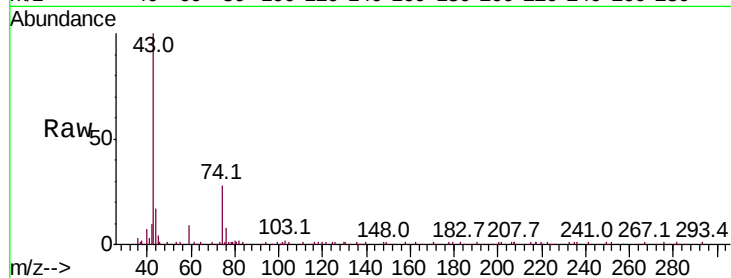
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 52115

Ion Ratio Lower Upper

43 100

74 24.9 19.8 29.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0

4.19

20000

15000

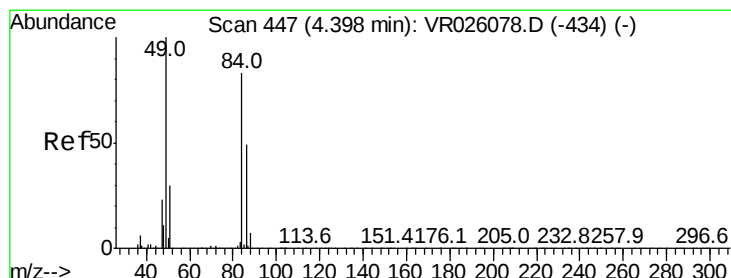
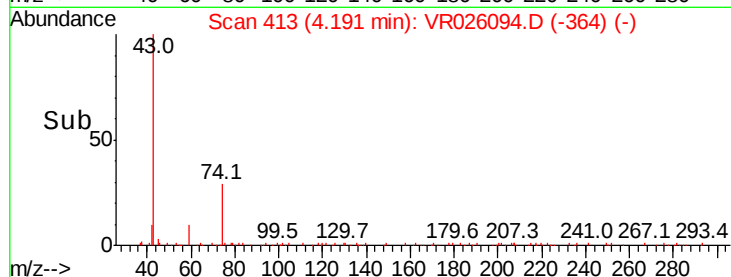
10000

5000

0

4.10 4.20 4.30

Time-->



#16

Methylene chloride

Concen: 4.593 ug/L

RT: 4.40 min Scan# 448

Delta R.T. 0.01 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

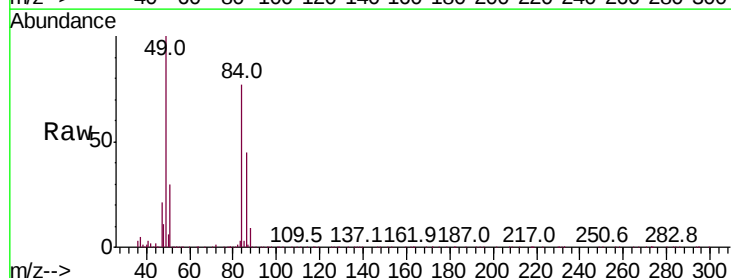
Tgt Ion: 84 Resp: 250987

Ion Ratio Lower Upper

84 100

86 57.6 43.0 79.8

49 129.1 89.1 165.5



Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

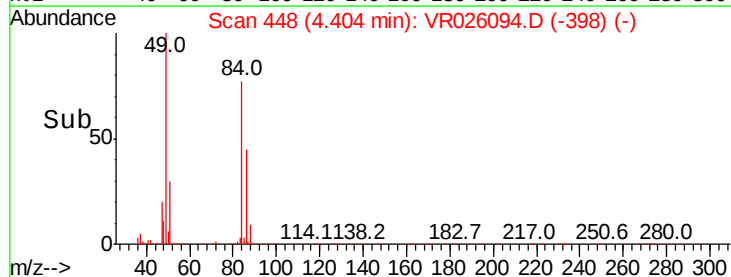
100000

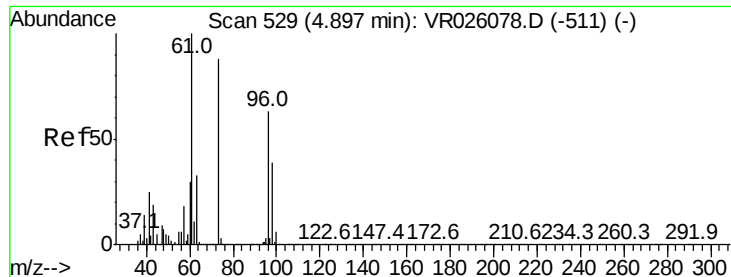
50000

0

4.30 4.40 4.50 4.60

Time-->





#17

Methyl tert-butyl Ether

Concen: 4.253 ug/L

RT: 4.90 min Scan# 529

Delta R.T. 0.00 min

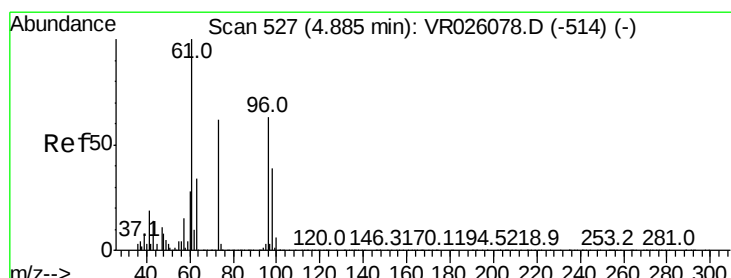
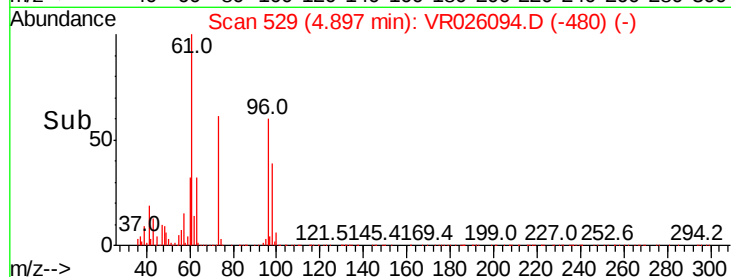
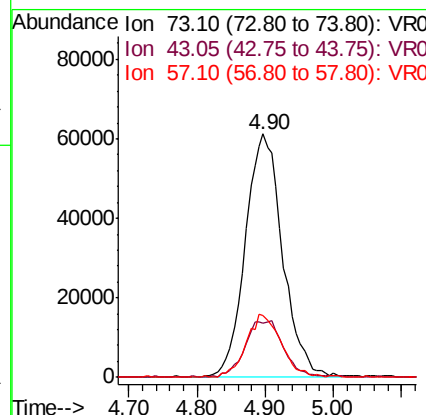
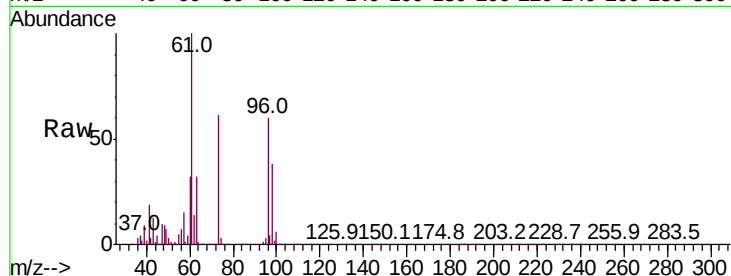
Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 73 Resp: 232685

Ion	Ratio	Lower	Upper
73	100		
43	23.4	20.1	30.1
57	23.8	19.0	28.4



#18

trans-1,2-Dichloroethene

Concen: 4.698 ug/L

RT: 4.89 min Scan# 528

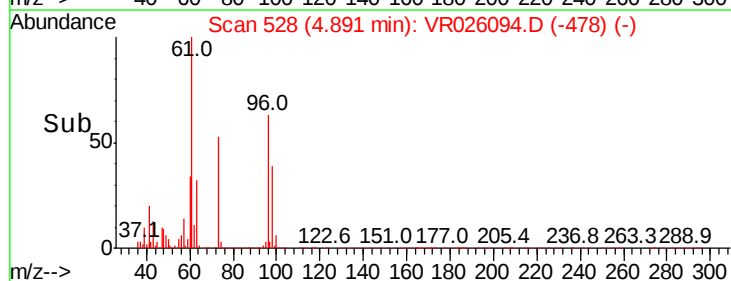
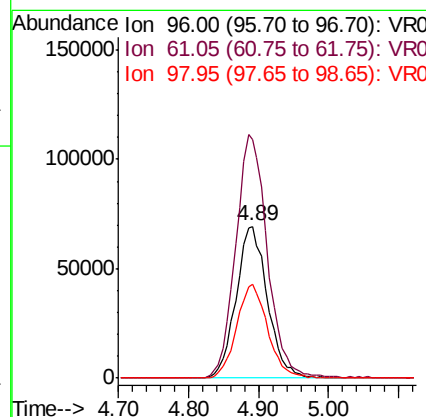
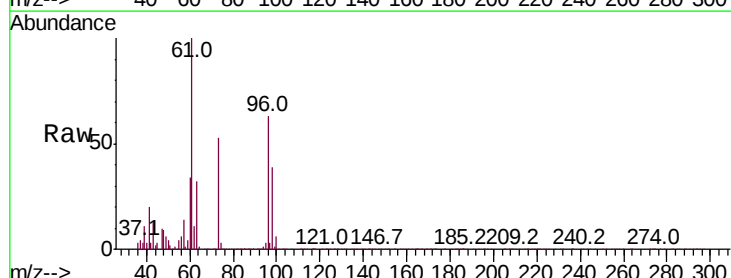
Delta R.T. 0.01 min

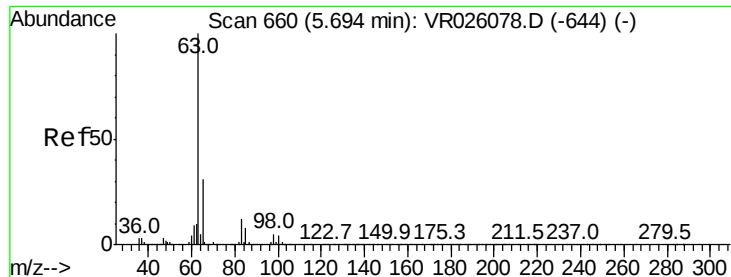
Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

Tgt Ion: 96 Resp: 214081

Ion	Ratio	Lower	Upper
96	100		
61	157.6	111.4	206.8
98	62.2	41.4	77.0





#19

1,1-Dichloroethane

Concen: 4.616 ug/L

RT: 5.70 min Scan# 661

Delta R.T. 0.01 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

Instrument :
MSVOA_R
ClientSampleId :

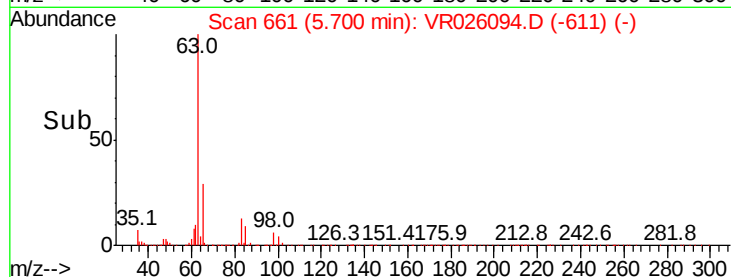
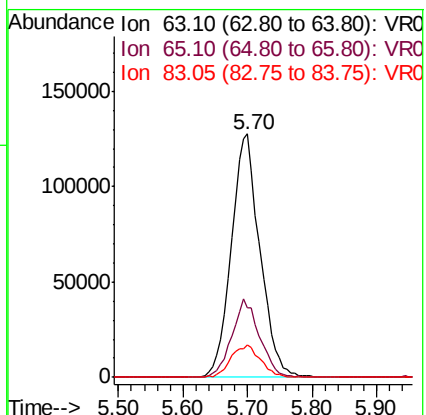
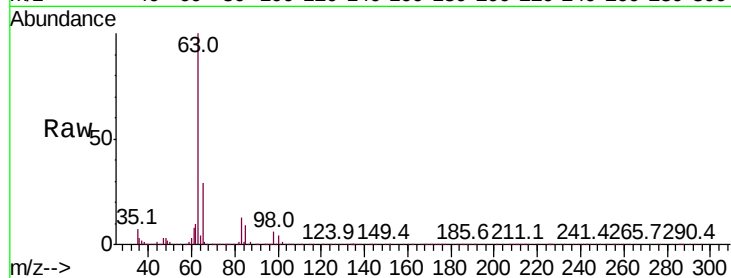
Tot Ion: 63 Resp: 394944

Ion Ratio Lower Upper

63 100

65 28.7 21.2 39.4

83 13.3 9.2 17.2



#21

2-Butanone

Concen: 44.961 ug/L

RT: 6.69 min Scan# 824

Delta R.T. 0.01 min

Lab File: VR026094.D

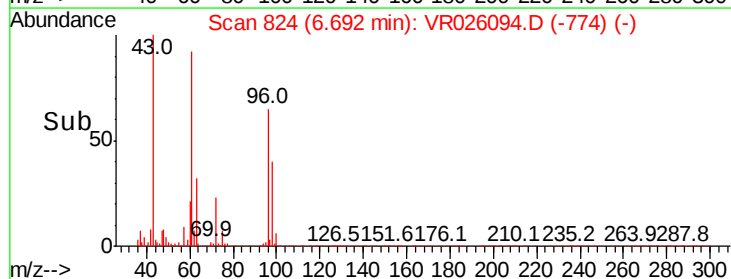
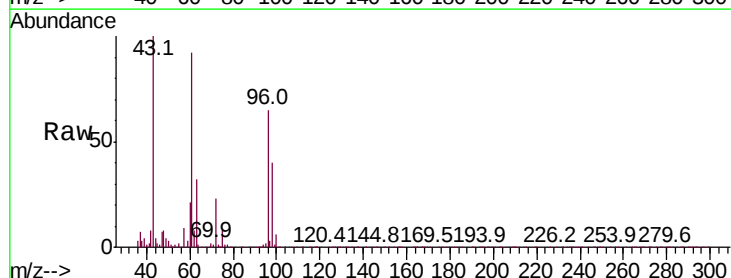
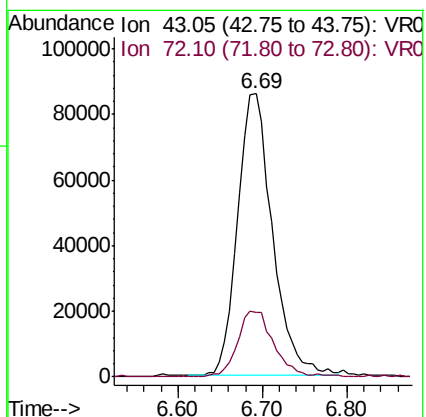
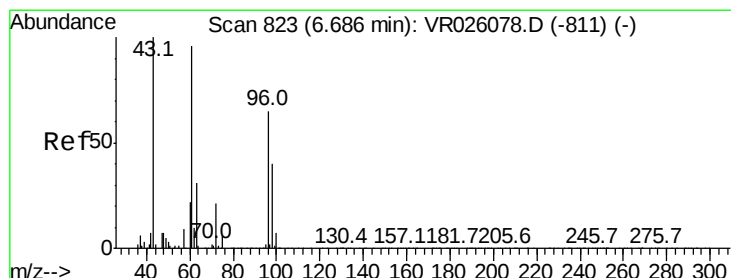
Acq: 16 Oct 2018 10:36

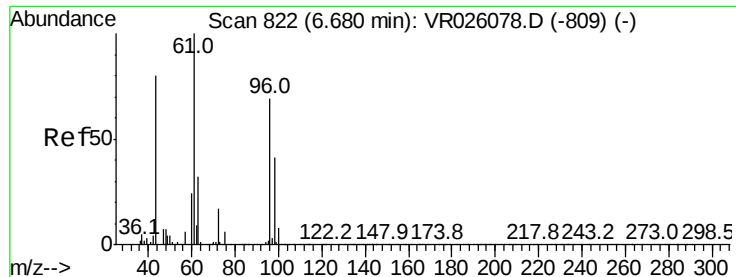
Tgt Ion: 43 Resp: 238741

Ion Ratio Lower Upper

43 100

72 24.6 12.3 36.8



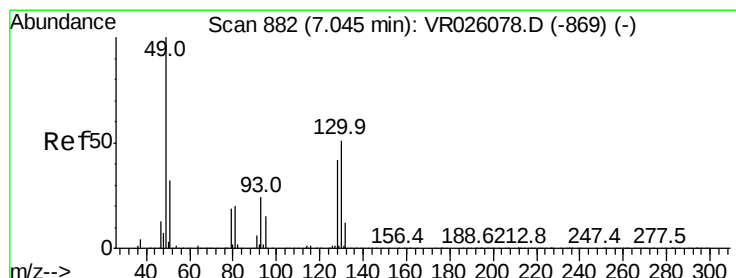
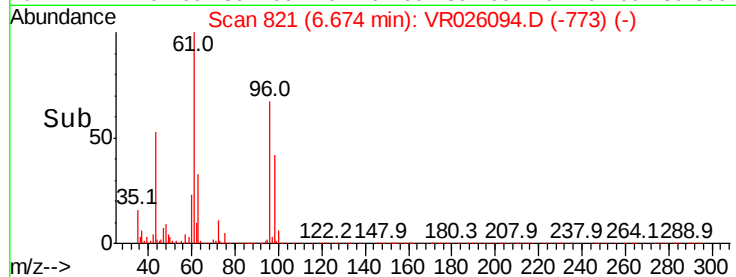
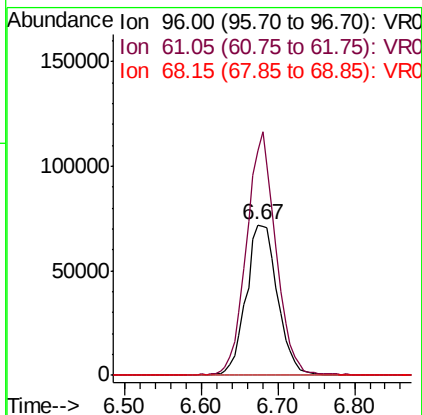
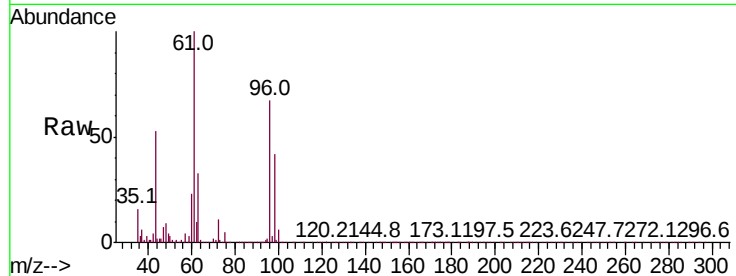


#22

cis-1,2-Dichloroethene
Concen: 4.750 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

Instrument :
MSVOA_R
ClientSampleId :

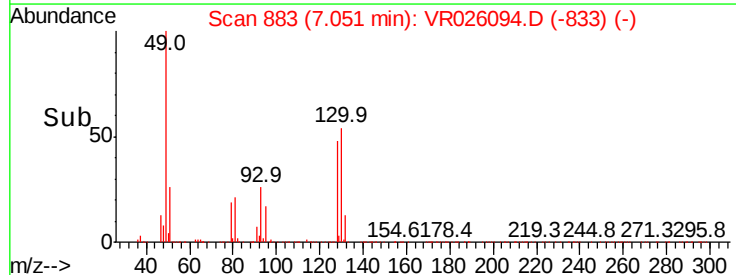
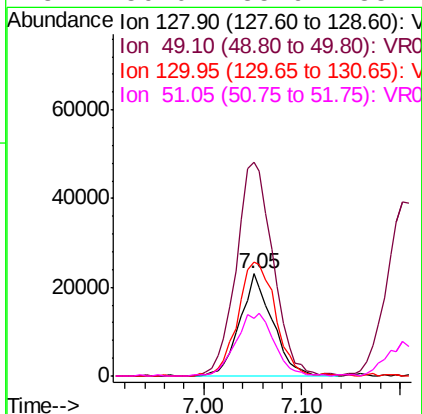
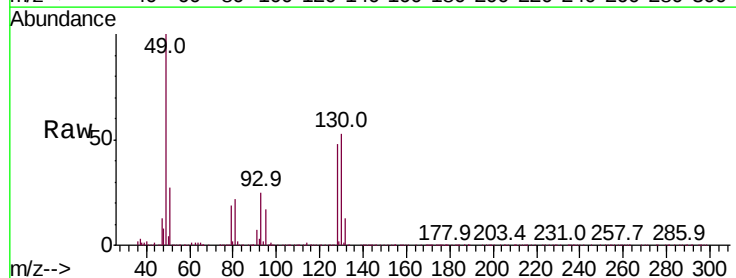
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.3	101.8	189.0
68	0.0	0.1	0.3

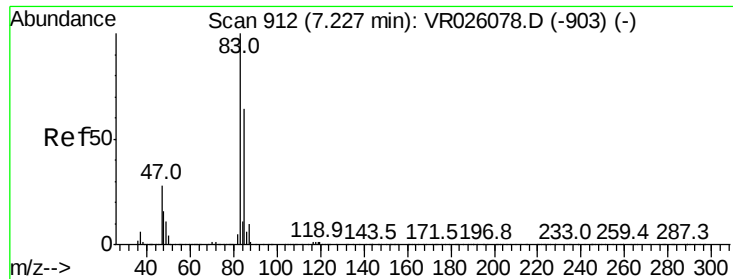


#23

Bromochloromethane
Concen: 4.419 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.01 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

Tgt Ion	Ratio	Lower	Upper
128	100		
49	209.0	146.2	271.4
130	111.5	92.5	171.7
51	56.0	55.6	83.4

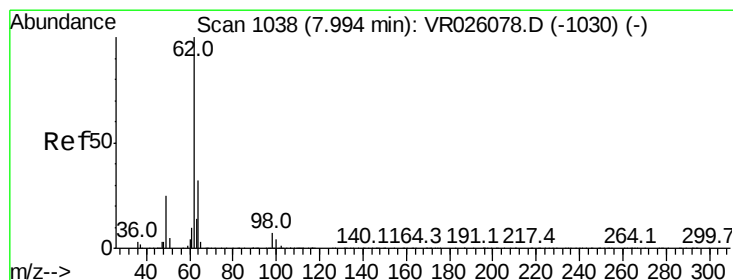
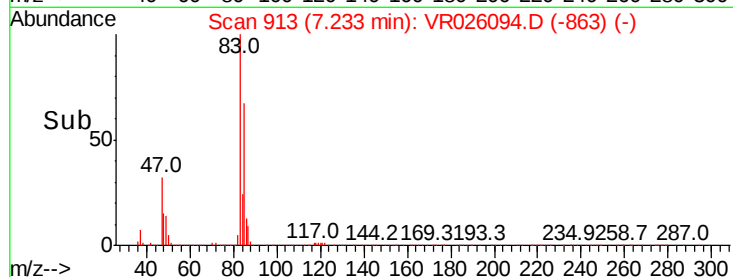
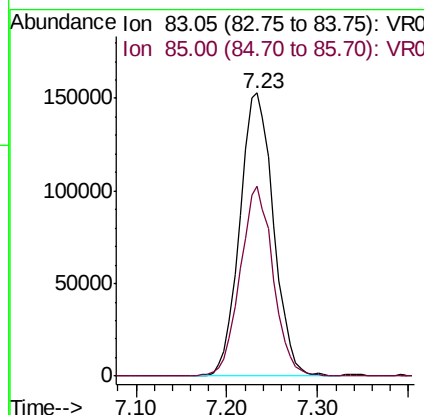
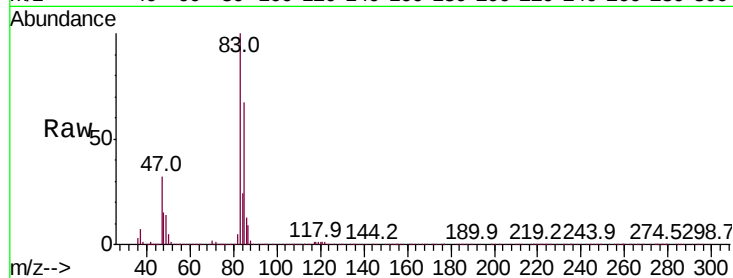




#25
Chloroform
Concen: 4.702 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

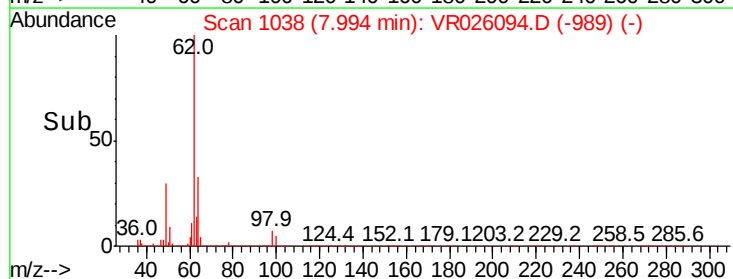
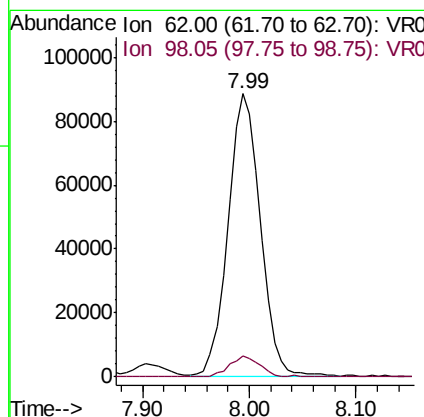
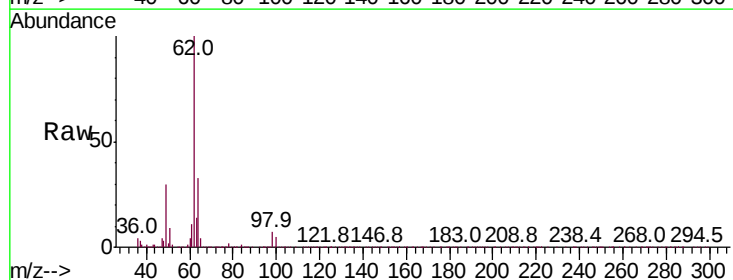
Instrument :
MSVOA_R
ClientSampleId :

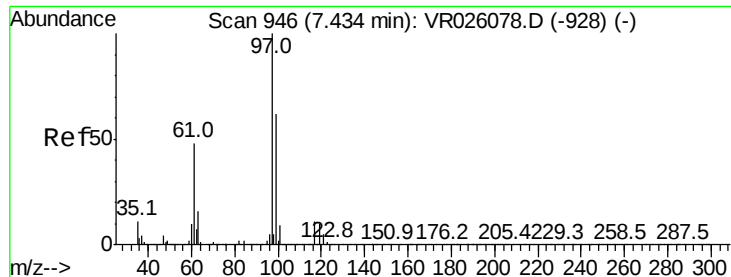
Tot Ion: 83 Resp: 392596
Ion Ratio Lower Upper
83 100
85 66.9 43.5 80.7



#27
1,2-Dichloroethane
Concen: 4.564 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

Tgt Ion: 62 Resp: 186543
Ion Ratio Lower Upper
62 100
98 7.2 5.6 8.4

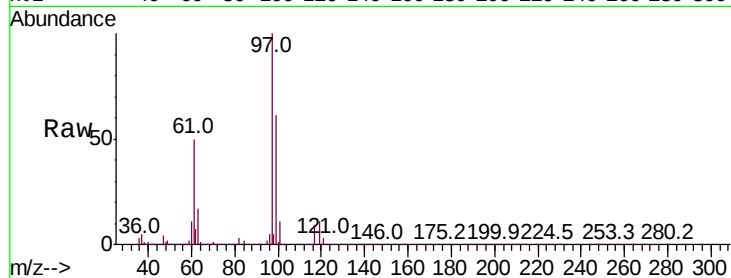




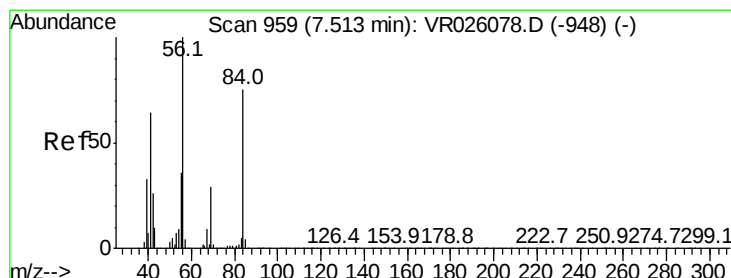
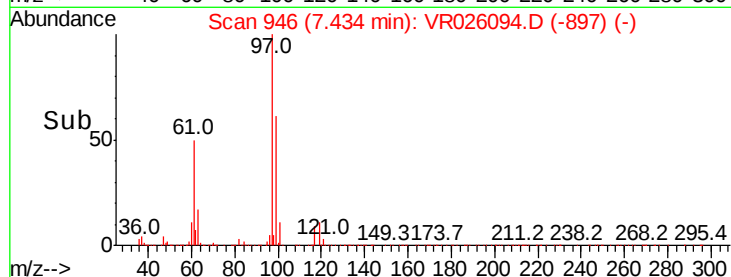
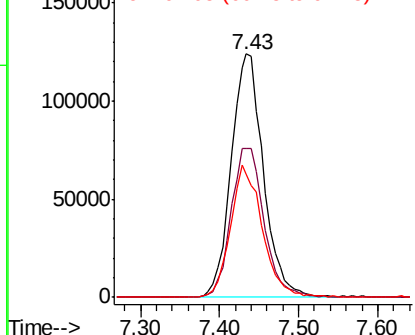
#29
 1,1,1-Trichloroethane
 Concen: 4.841 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VR026094.D
 Acq: 16 Oct 2018 10:36

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.1	76.7
61	54.0	42.1	63.1

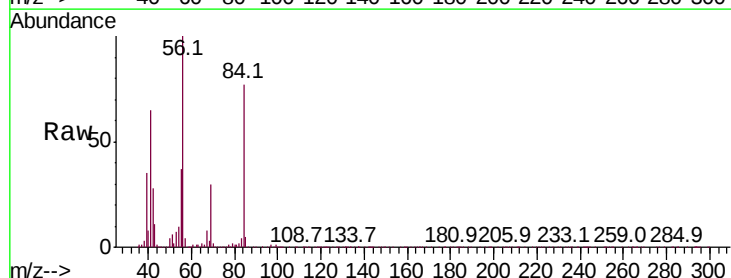


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

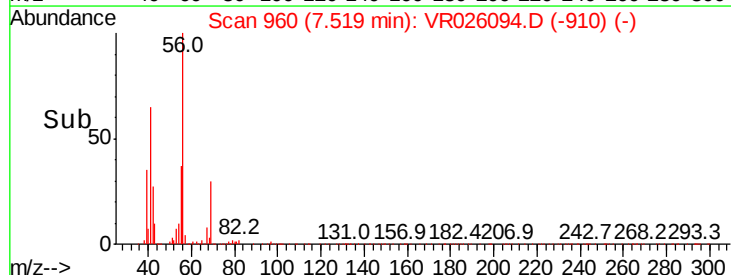
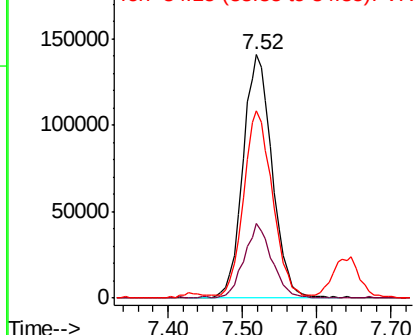


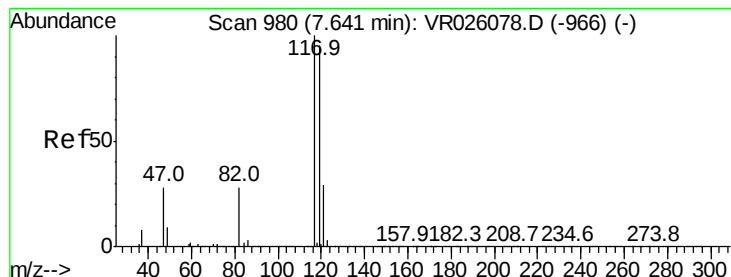
#30
 Cyclohexane
 Concen: 5.304 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VR026094.D
 Acq: 16 Oct 2018 10:36

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.8	35.8
84	76.5	62.2	93.4



Abundance Ion 56.10 (55.80 to 56.80): VR0
 Ion 69.15 (68.85 to 69.85): VR0
 Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.779 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.00 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

Instrument :

MSVOA_R

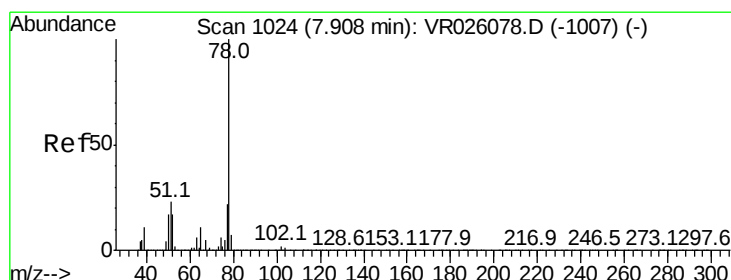
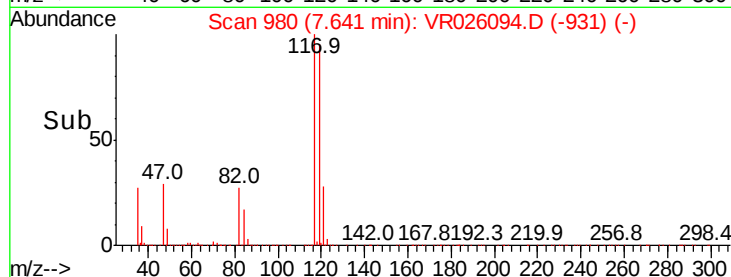
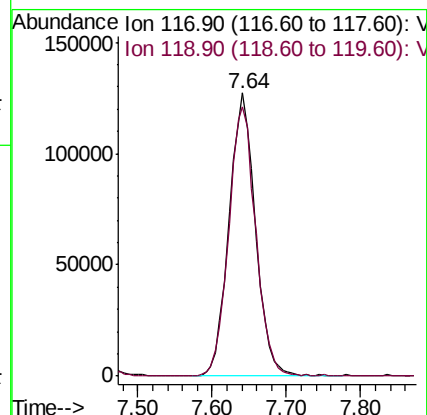
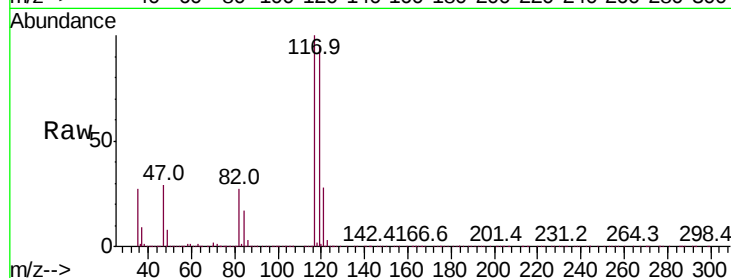
ClientSampleId :

Tot Ion:117 Resp: 313840

Ion Ratio Lower Upper

117 100

119 97.6 74.2 111.2



#33

Benzene

Concen: 4.805 ug/L

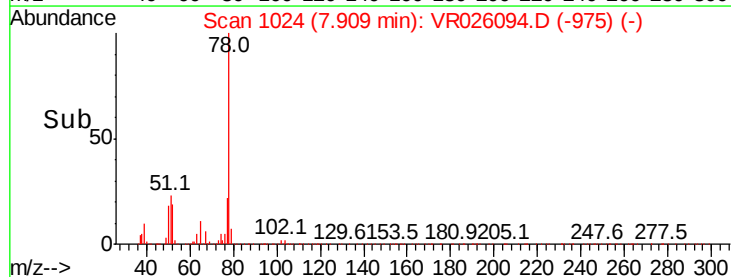
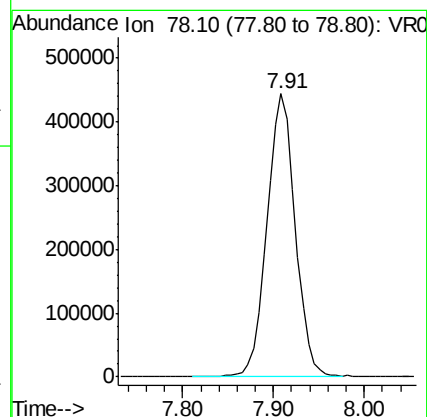
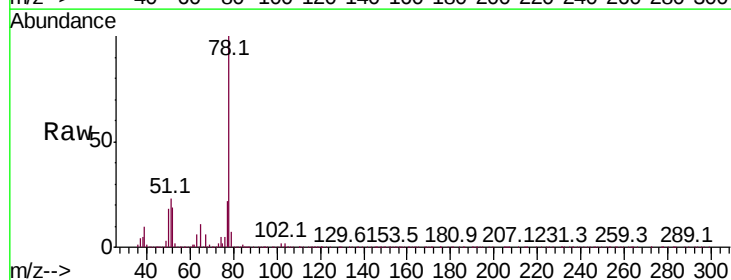
RT: 7.91 min Scan# 1024

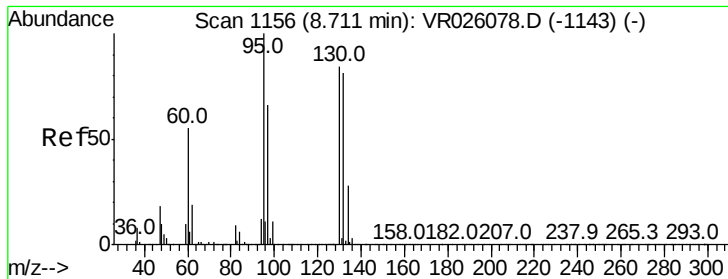
Delta R.T. 0.00 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

Tgt Ion: 78 Resp: 952981

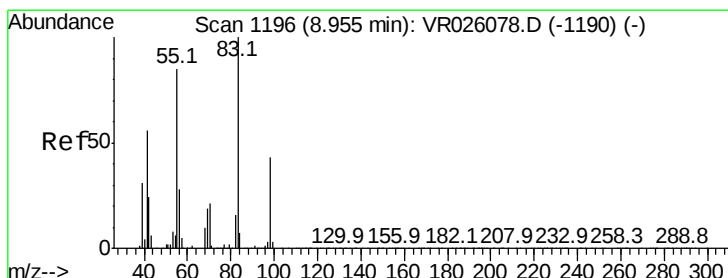
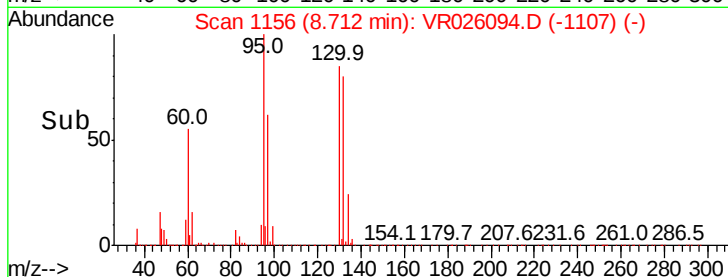
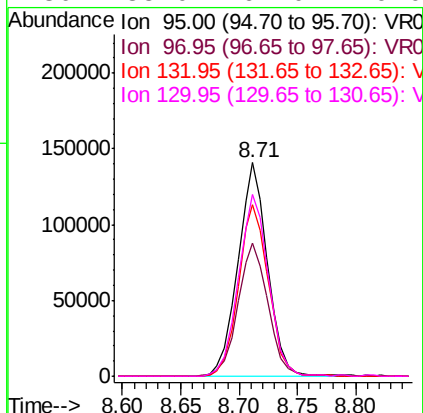
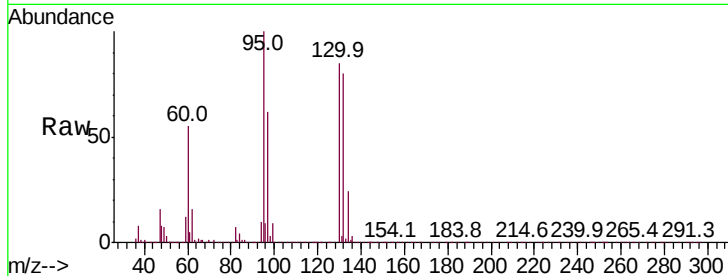




#34
 Trichloroethene
 Concen: 4.861 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VR026094.D
 Acq: 16 Oct 2018 10:36

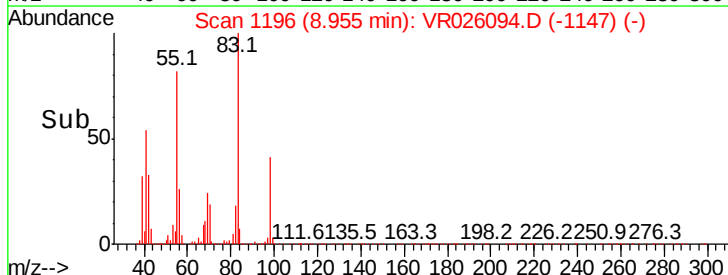
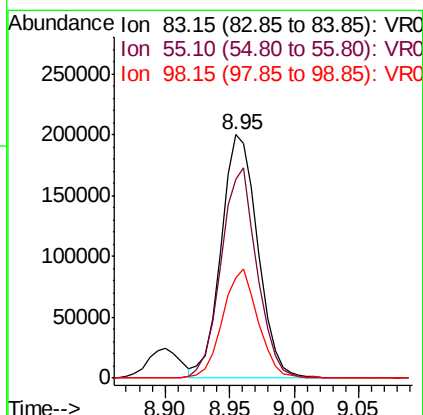
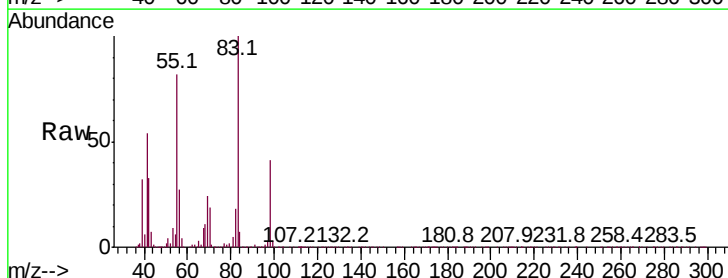
Instrument :
 MSVOA_R
 ClientSampleId :

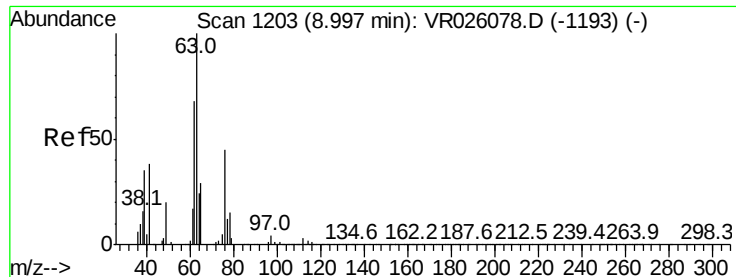
Tot Ion:	95	Resp:	246763
Ion	Ratio	Lower	Upper
95	100		
97	62.2	45.7	84.9
132	80.4	58.3	108.3
130	85.0	64.0	119.0



#35
 Methylcyclohexane
 Concen: 5.235 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR026094.D
 Acq: 16 Oct 2018 10:36

Tgt Ion:	83	Resp:	395607
Ion	Ratio	Lower	Upper
83	100		
55	84.5	66.8	100.2
98	43.8	35.2	52.8





#37

1,2-Dichloropropane

Concen: 4.699 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

Instrument :

MSVOA_R

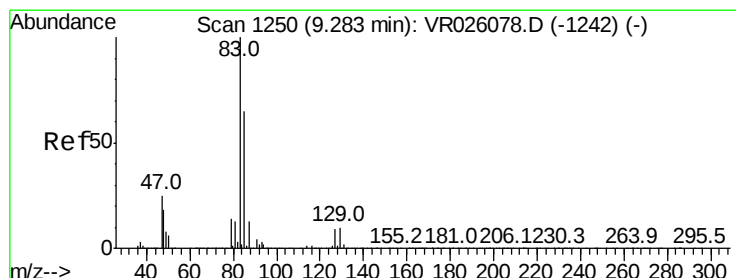
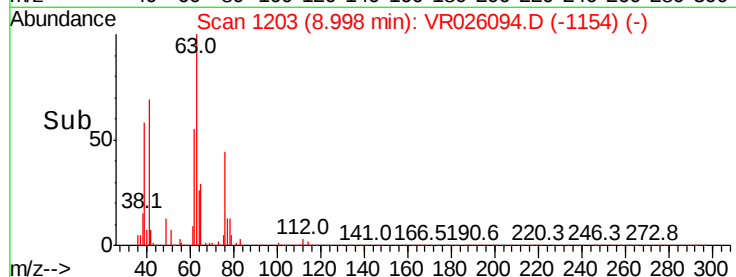
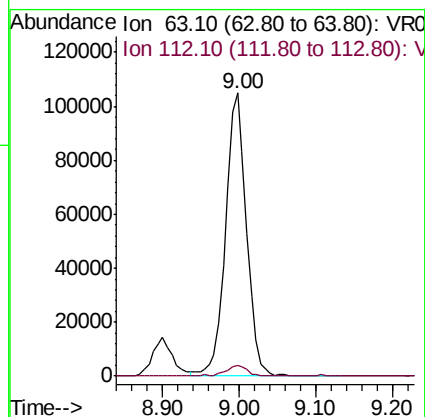
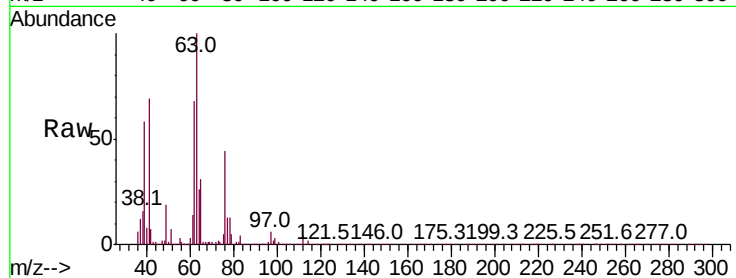
ClientSampled :

Tot Ion: 63 Resp: 196620

Ion Ratio Lower Upper

63 100

112 4.1 2.7 4.1



#38

Bromodichloromethane

Concen: 4.874 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

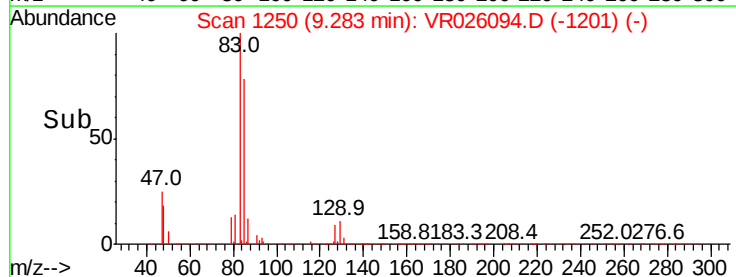
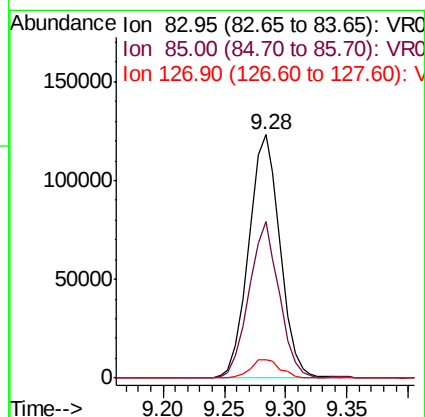
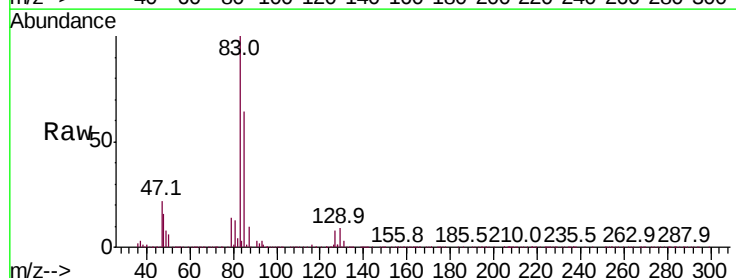
Tgt Ion: 83 Resp: 219330

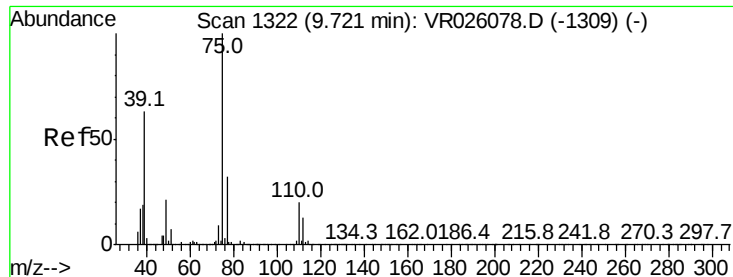
Ion Ratio Lower Upper

83 100

85 64.1 43.5 80.7

127 7.7 7.0 10.6

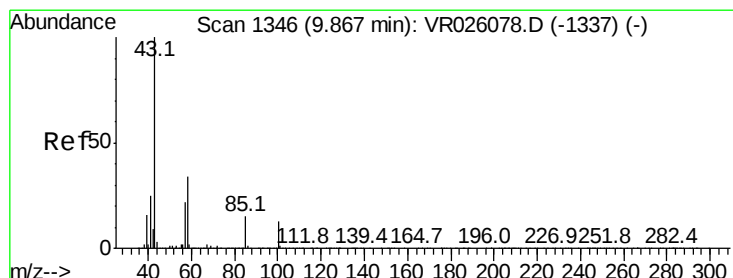
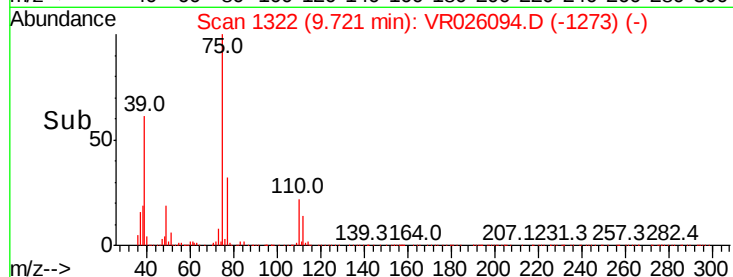
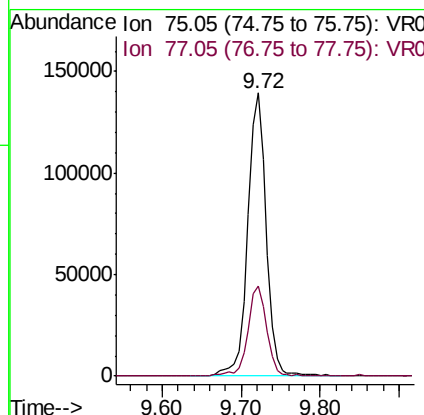
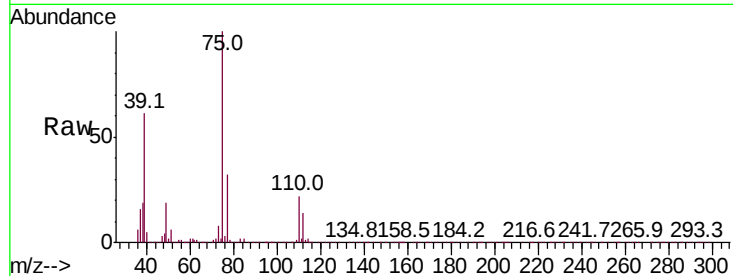




#39
 cis-1,3-Dichloropropene
 Concen: 4.737 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VR026094.D
 Acq: 16 Oct 2018 10:36

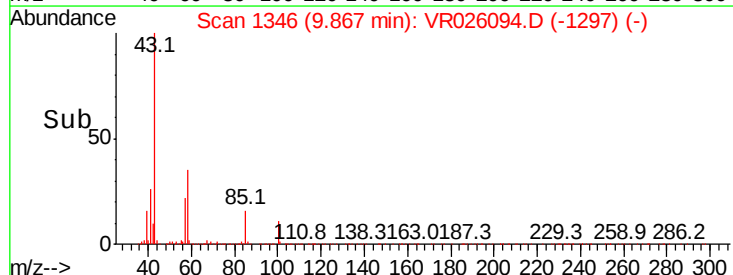
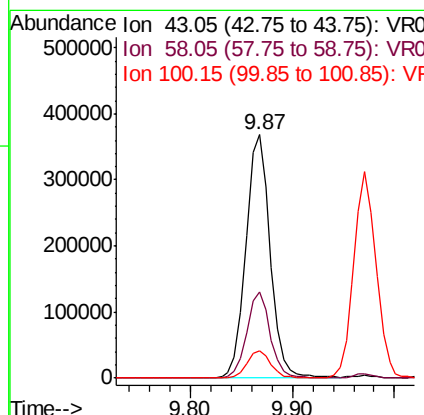
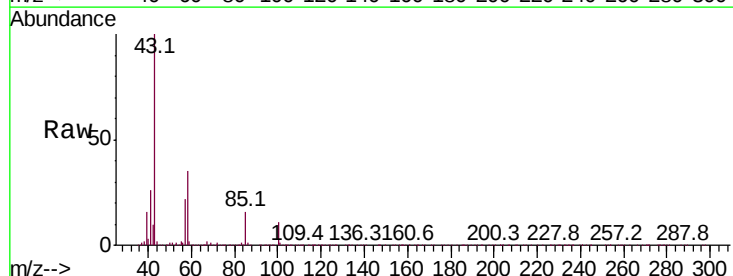
Instrument :
 MSVOA_R
 ClientSampled :

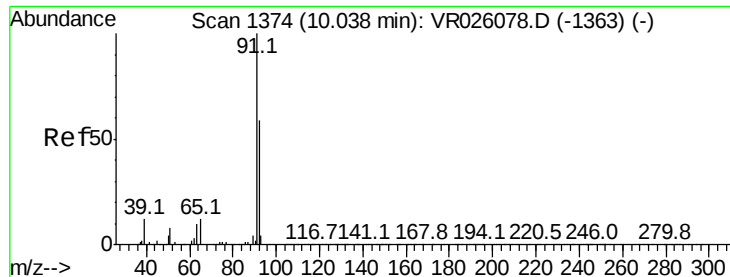
Tot Ion: 75 Resp: 226869
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 47.687 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VR026094.D
 Acq: 16 Oct 2018 10:36

Tgt Ion: 43 Resp: 609378
 Ion Ratio Lower Upper
 43 100
 58 34.3 28.1 42.1
 100 11.3 9.3 13.9





#42

Toluene

Concen: 4.941 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

Instrument :

MSVOA_R

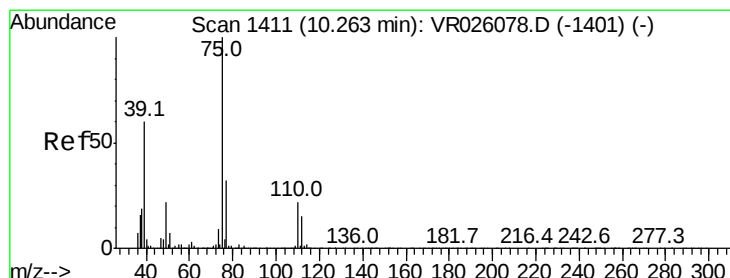
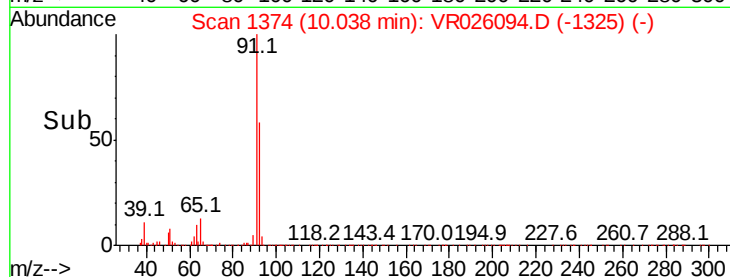
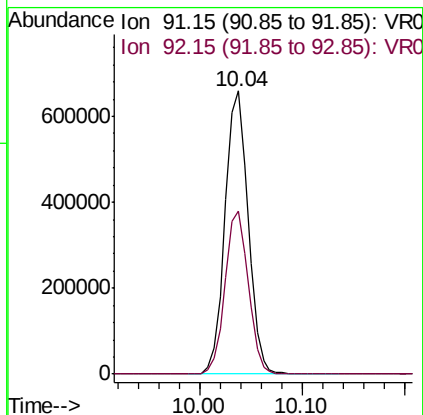
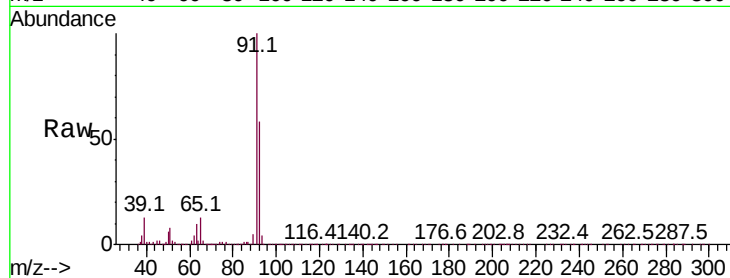
ClientSampleId :

Tot Ion: 91 Resp: 1034306

Ion Ratio Lower Upper

91 100

92 57.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.745 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026094.D

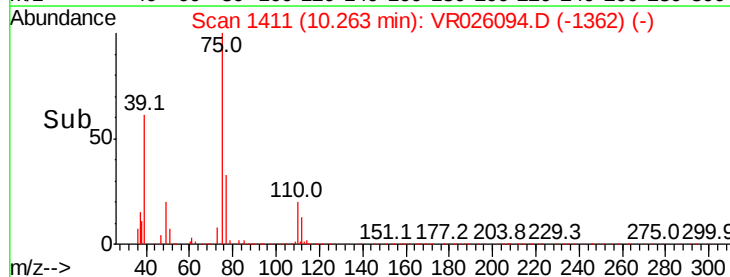
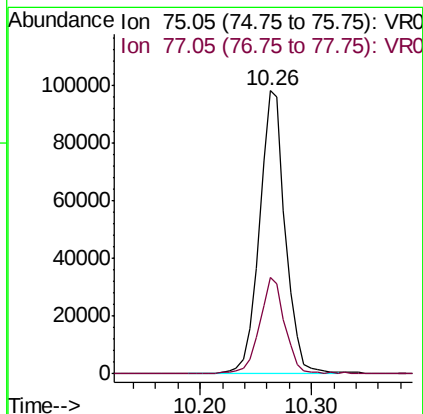
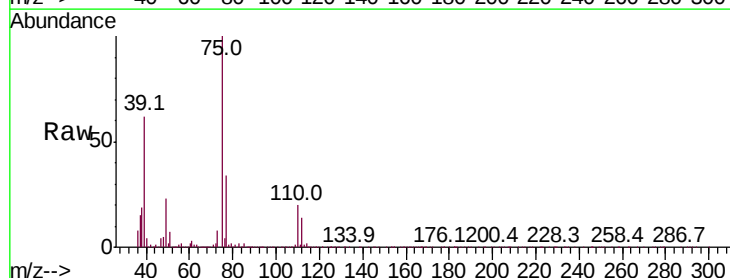
Acq: 16 Oct 2018 10:36

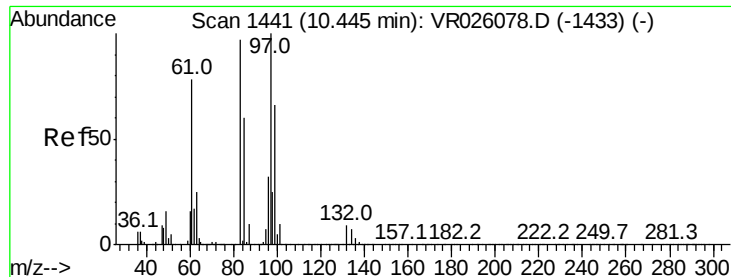
Tgt Ion: 75 Resp: 158760

Ion Ratio Lower Upper

75 100

77 34.1 24.1 44.7

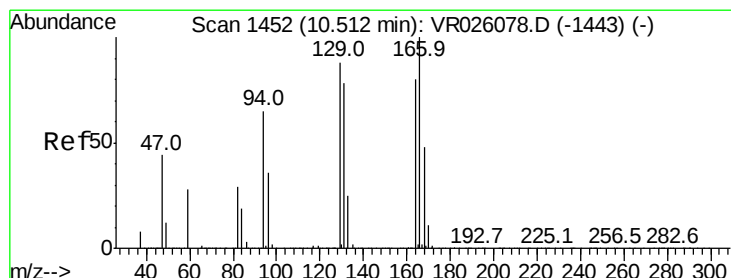
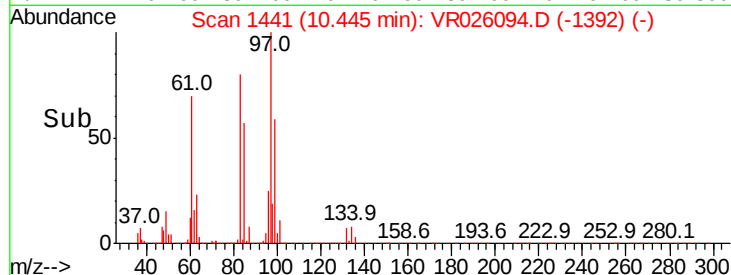
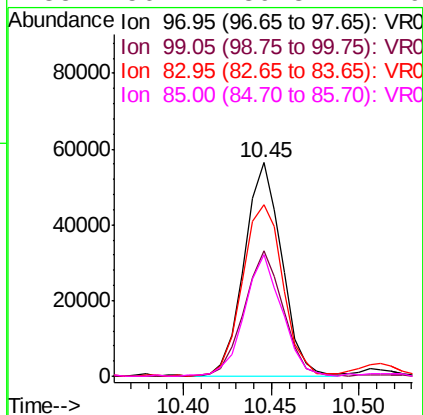
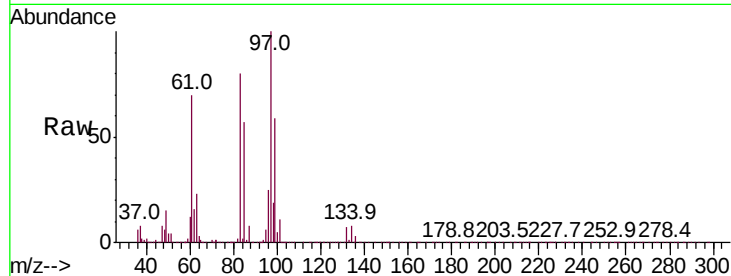




#45
1,1,2-Trichloroethane
Concen: 4.779 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. 0.00 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

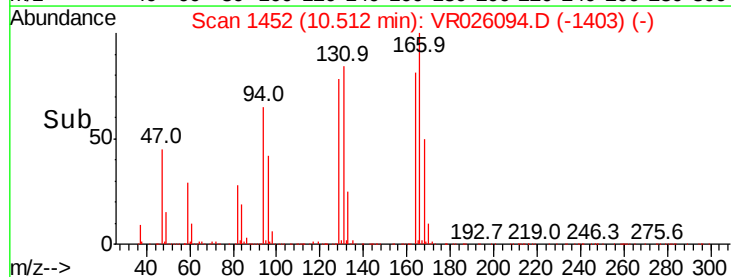
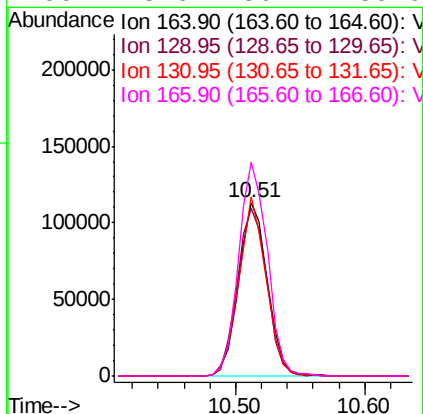
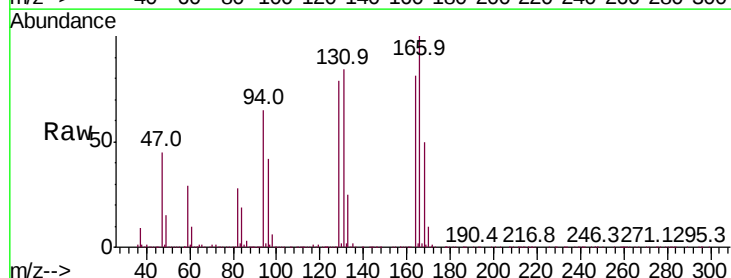
Instrument :
MSVOA_R
ClientSampleId :

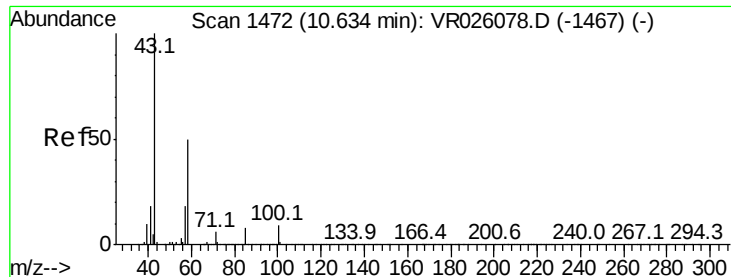
Tot Ion:	97	Resp:	84353
Ion	Ratio	Lower	Upper
97	100		
99	58.5	42.8	79.4
83	80.2	61.9	114.9
85	56.7	39.3	72.9



#47
Tetrachloroethene
Concen: 4.778 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

Tgt Ion:	164	Resp:	173207
Ion	Ratio	Lower	Upper
164	100		
129	97.1	70.3	130.5
131	104.0	67.3	125.1
166	123.6	86.1	159.9

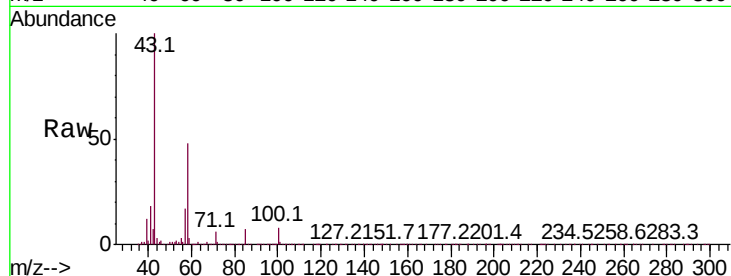




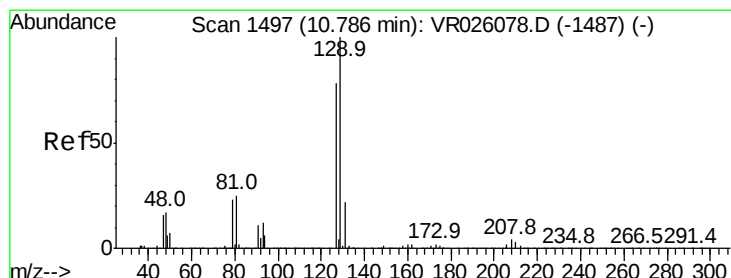
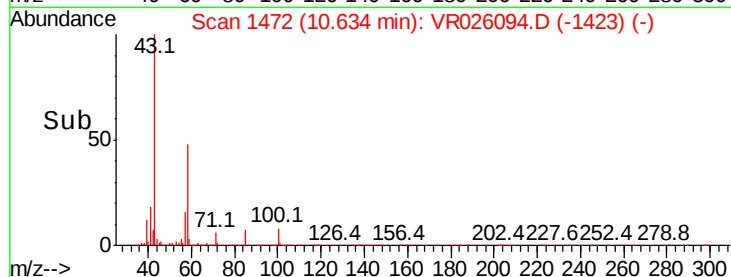
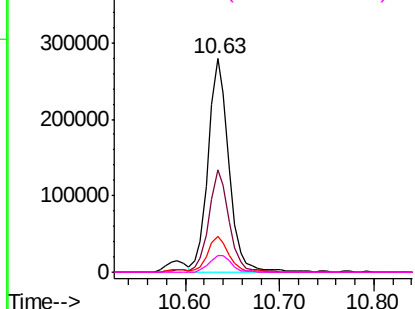
#48
2-Hexanone
Concen: 50.777 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:	43	Resp:	423786
Ion	Ratio	Lower	Upper
43	100		
58	48.2	39.6	59.4
57	16.9	14.0	21.0
100	8.3	7.0	10.6

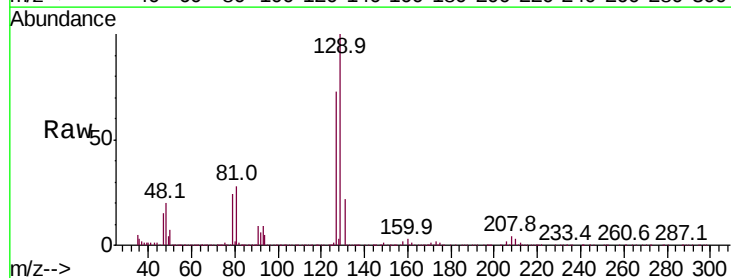


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

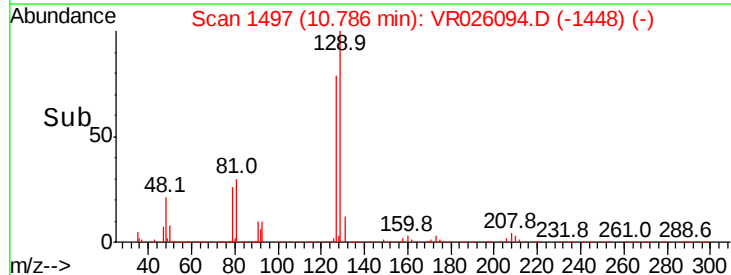
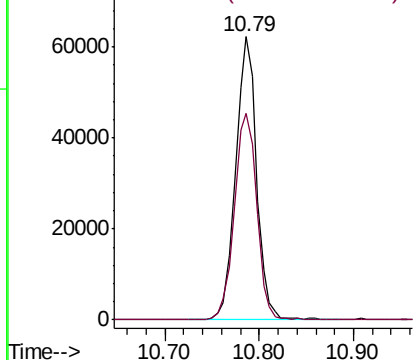


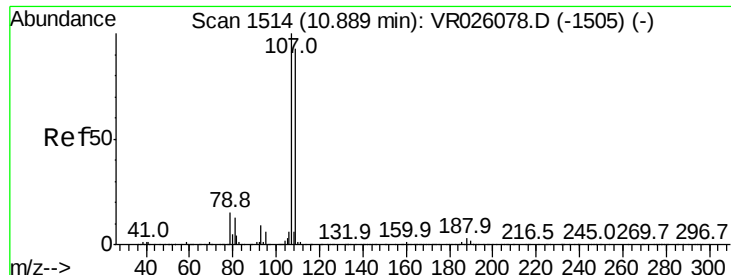
#49
Dibromochloromethane
Concen: 4.820 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

Tgt Ion:	129	Resp:	95744
Ion	Ratio	Lower	Upper
129	100		
127	73.0	55.0	102.2



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

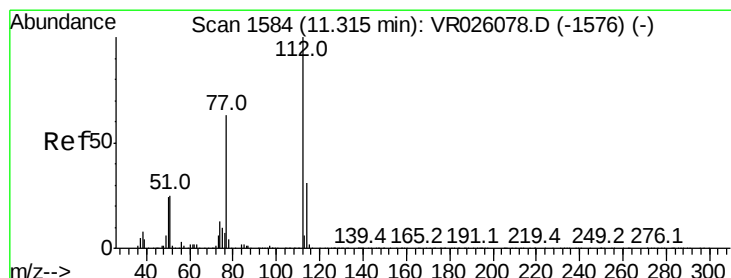
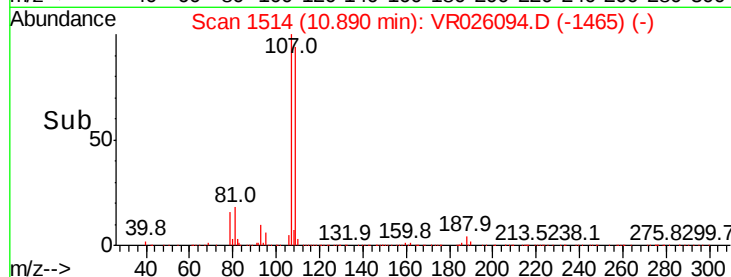
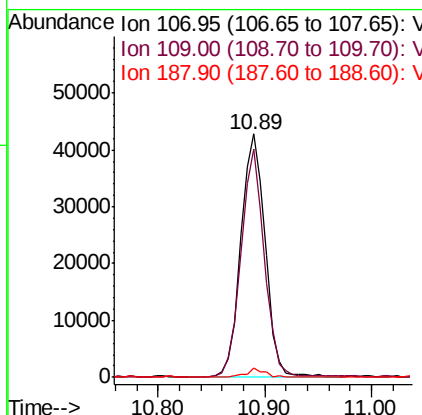
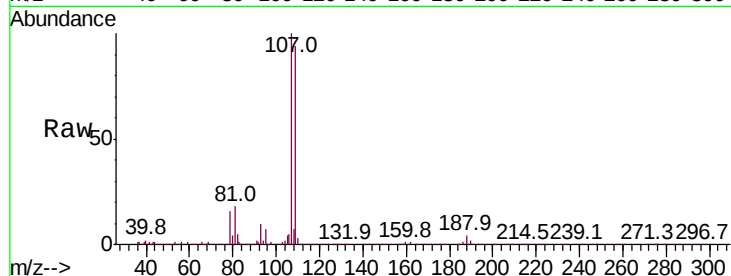




#50
1,2-Dibromoethane
Concen: 4.526 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

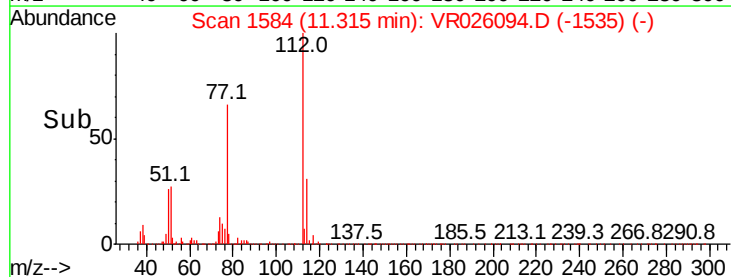
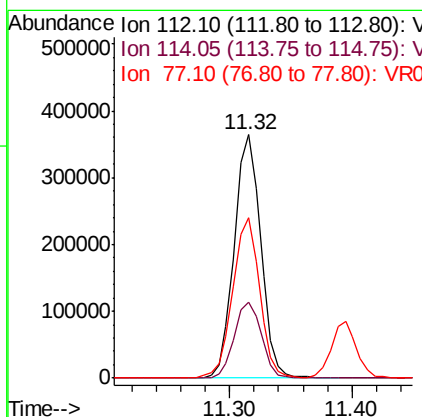
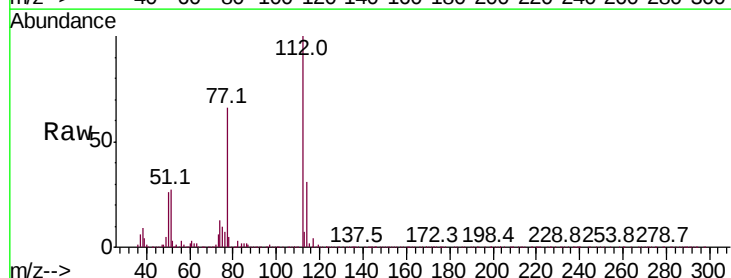
Instrument :
MSVOA_R
ClientSampleId :

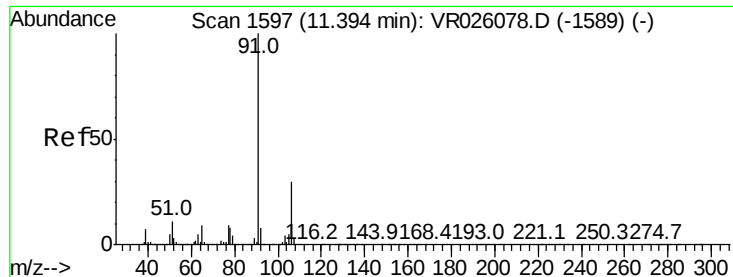
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	58.7	109.1
188	4.0	2.9	4.3



#51
Chlorobenzene
Concen: 4.697 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.8	42.4
77	66.1	51.5	77.3





#52

Ethylbenzene

Concen: 5.115 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

Instrument :

MSVOA_R

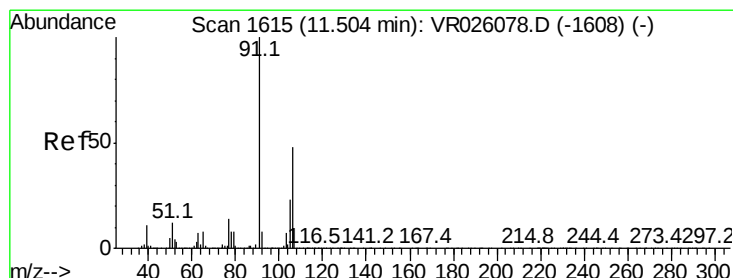
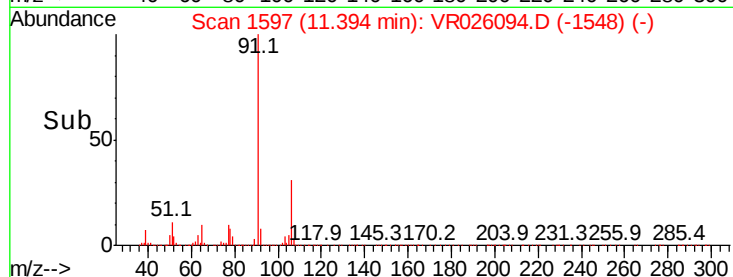
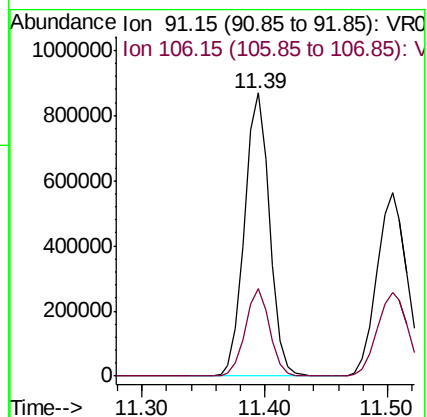
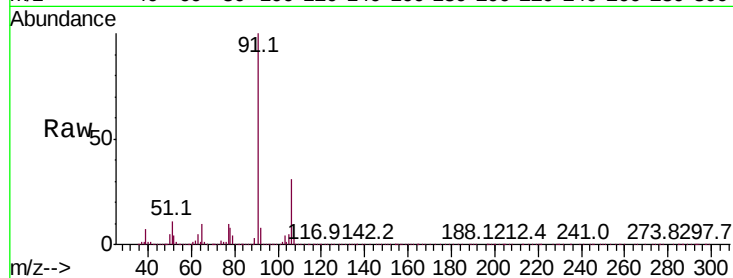
ClientSampled :

Tot Ion: 91 Resp: 1231099

Ion Ratio Lower Upper

91 100

106 31.0 21.2 39.4



#53

m,p-Xylene

Concen: 5.067 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026094.D

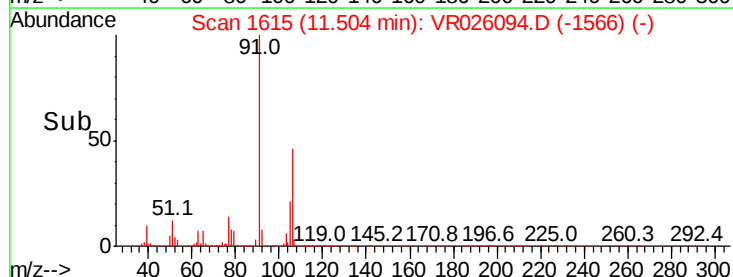
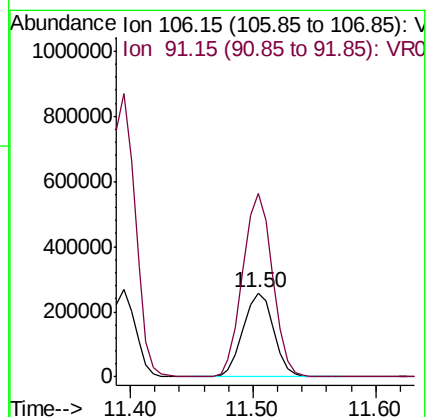
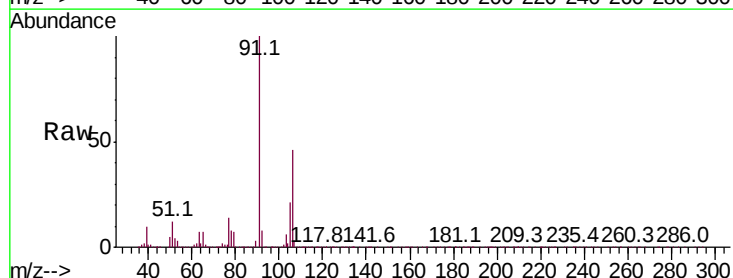
Acq: 16 Oct 2018 10:36

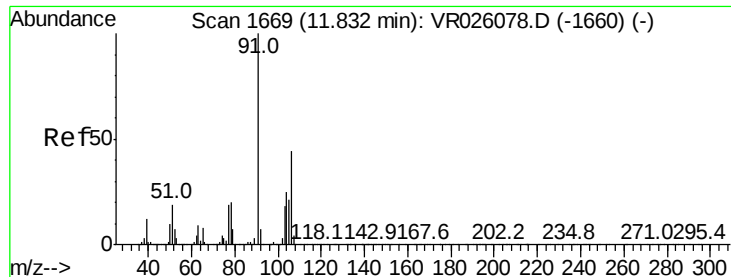
Tgt Ion: 106 Resp: 444382

Ion Ratio Lower Upper

106 100

91 218.2 145.3 269.8

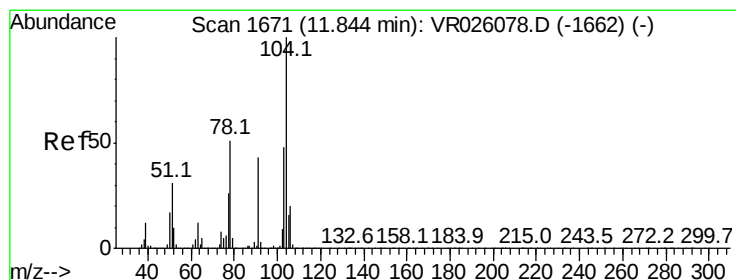
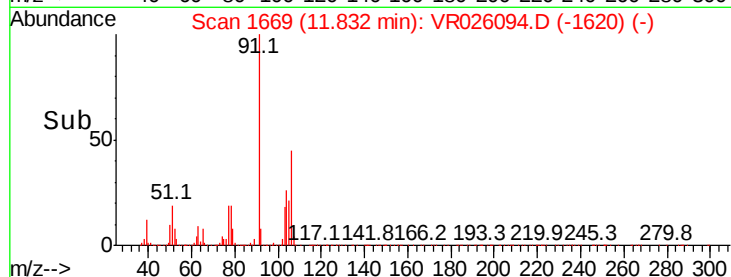
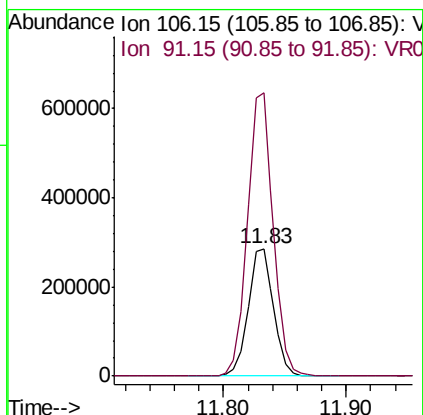
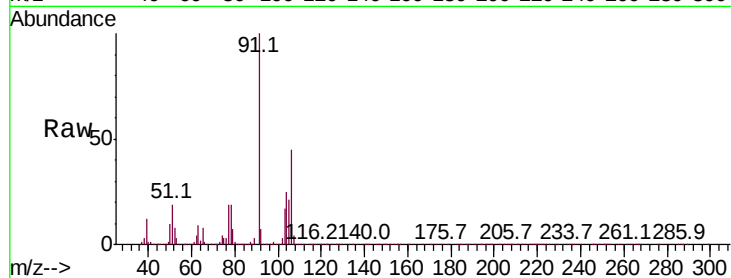




#54
o-Xylene
Concen: 5.122 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

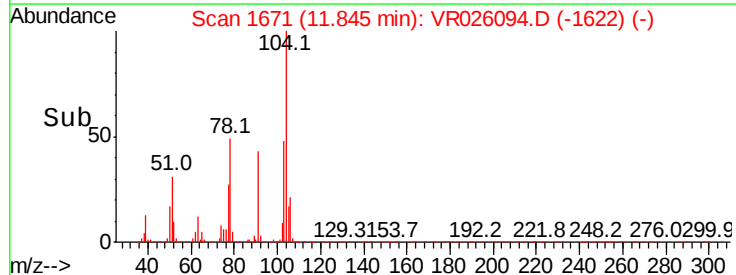
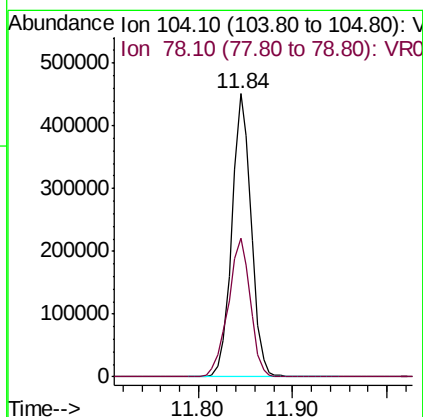
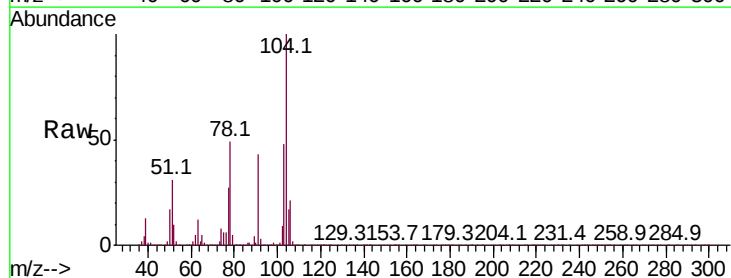
Instrument :
MSVOA_R
ClientSampleId :

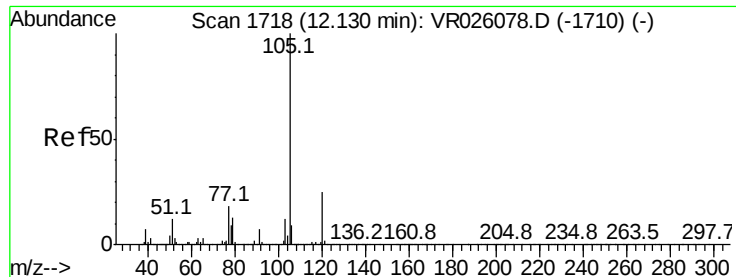
Tot Ion:106 Resp: 411824
Ion Ratio Lower Upper
106 100
91 221.5 155.8 289.3



#55
Styrene
Concen: 5.174 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

Tgt Ion:104 Resp: 640279
Ion Ratio Lower Upper
104 100
78 48.9 34.7 64.5





#56

Isopropylbenzene

Concen: 5.315 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

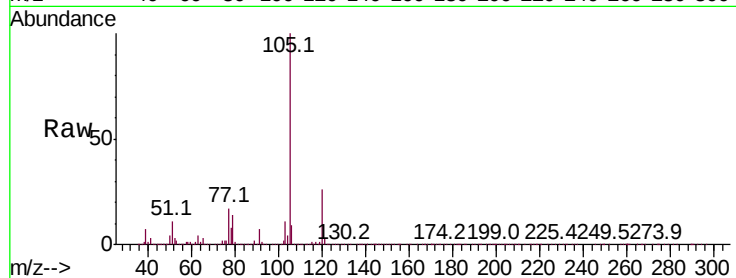
Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:105 Resp: 1186850

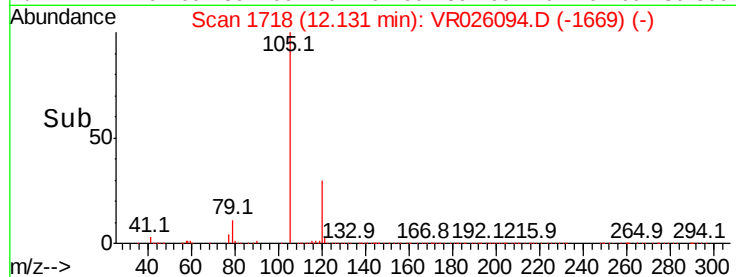
Ion	Ratio	Lower	Upper
105	100		
120	25.7	21.0	31.4
77	17.7	14.6	21.8



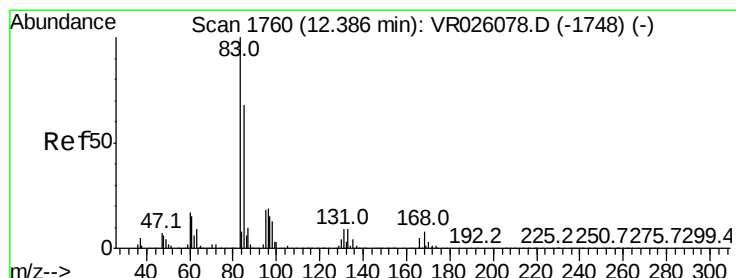
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



Time--> 12.05 12.10 12.15 12.20



#58

1,1,2,2-Tetrachloroethane

Concen: 4.522 ug/L

RT: 12.39 min Scan# 1760

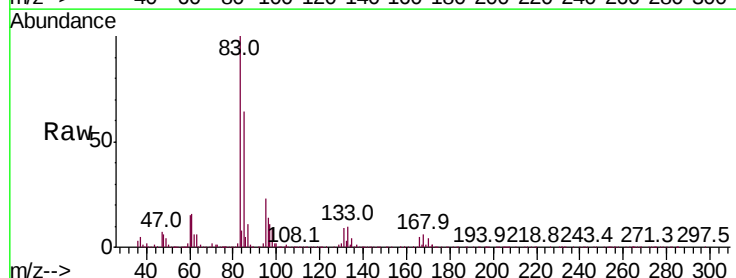
Delta R.T. 0.00 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

Tgt Ion: 83 Resp: 81121

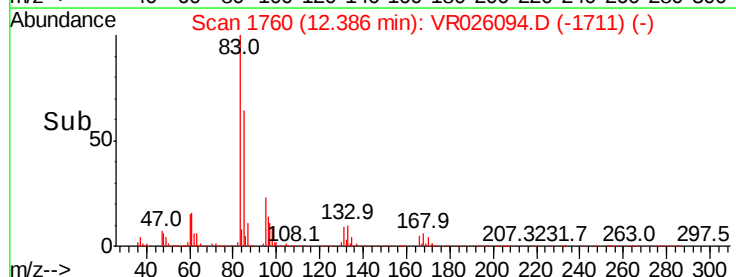
Ion	Ratio	Lower	Upper
83	100		
85	63.6	44.0	81.8
131	8.7	8.0	12.0



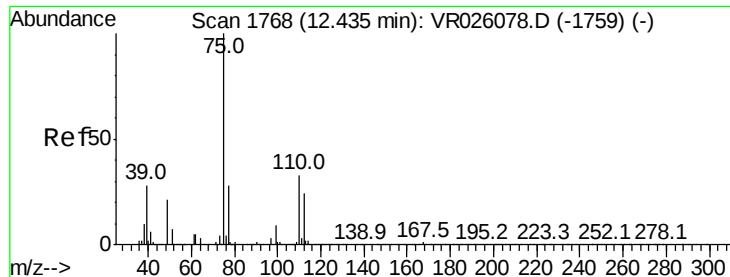
Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V



Time--> 12.30 12.35 12.40 12.45



#59

1,2,3-Trichloropropane

Concen: 4.508 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

Instrument :

MSVOA_R

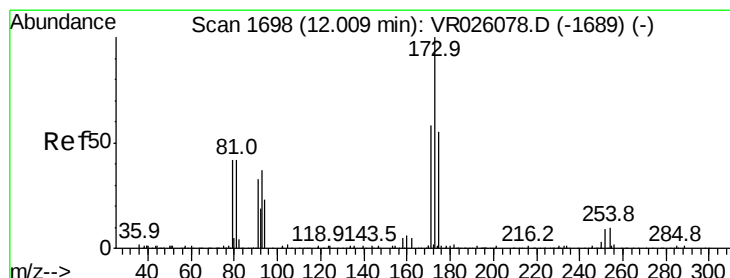
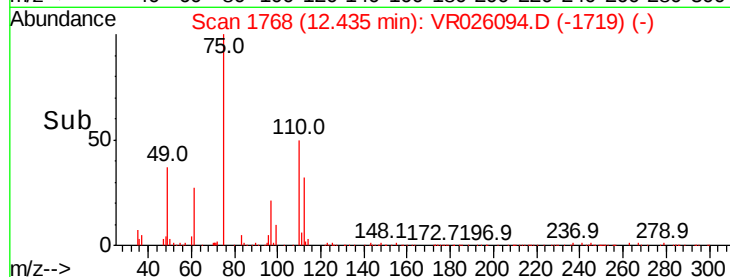
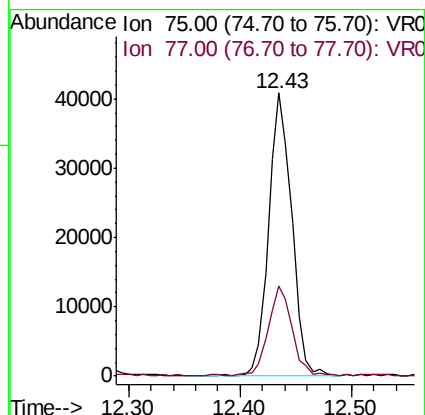
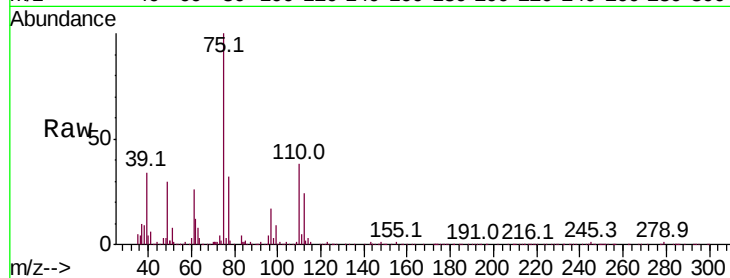
ClientSampleId :

Tot Ion: 75 Resp: 59367

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.2



#61

Bromoform

Concen: 4.273 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

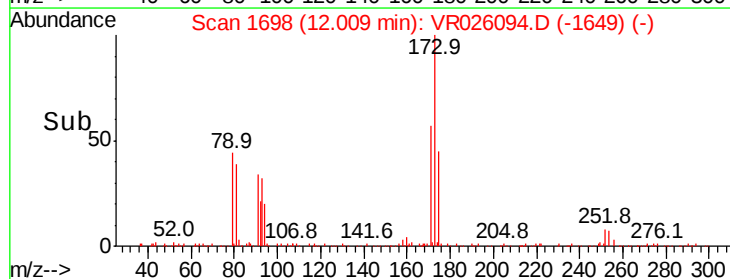
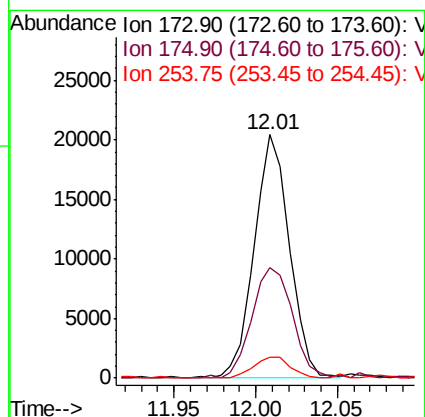
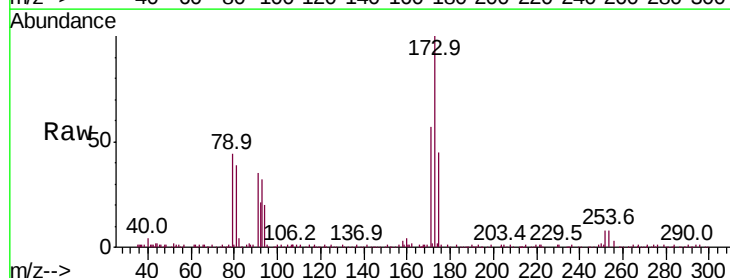
Tgt Ion: 173 Resp: 30376

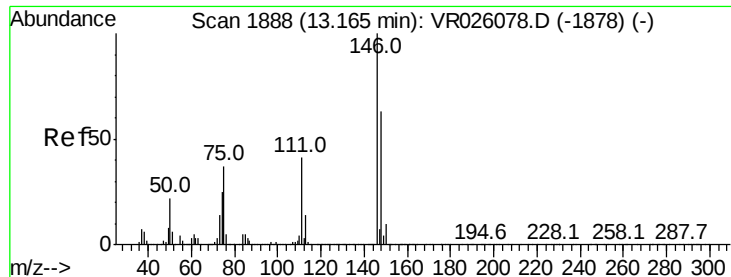
Ion Ratio Lower Upper

173 100

175 53.0 39.0 58.4

254 9.3 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 4.708 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

Instrument :

MSVOA_R

ClientSampleId :

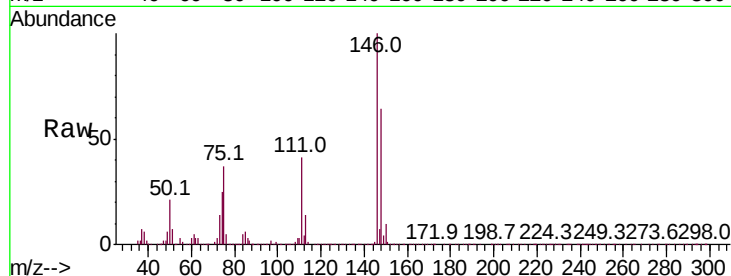
Tot Ion:146 Resp: 319862

Ion Ratio Lower Upper

146 100

111 41.2 32.1 59.7

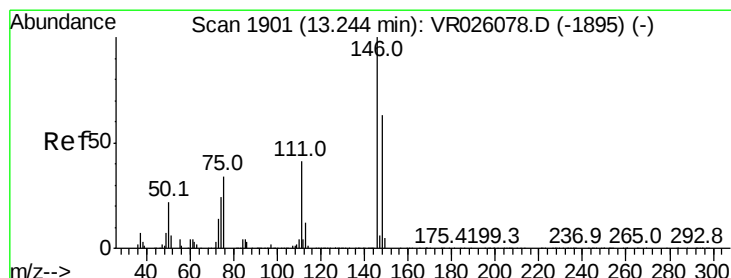
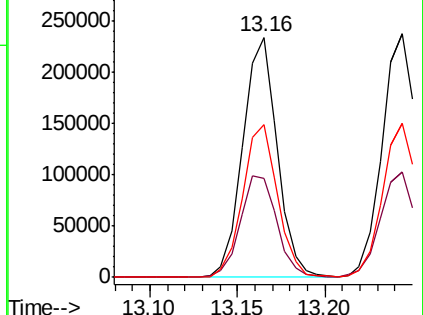
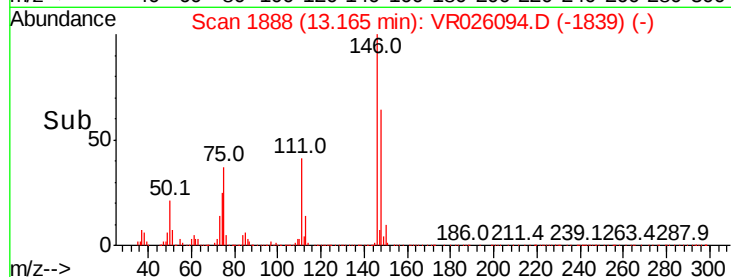
148 63.6 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.745 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026094.D

Acq: 16 Oct 2018 10:36

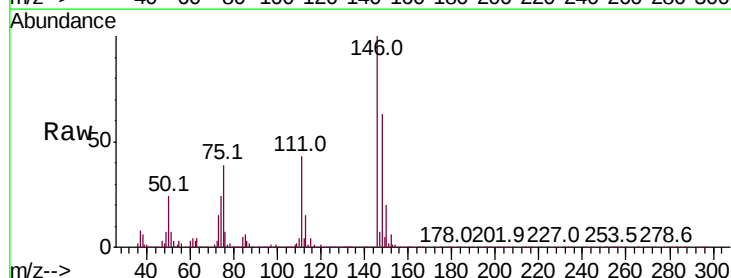
Tgt Ion:146 Resp: 333897

Ion Ratio Lower Upper

146 100

111 43.4 32.6 60.6

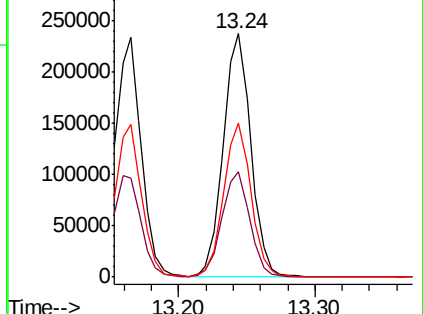
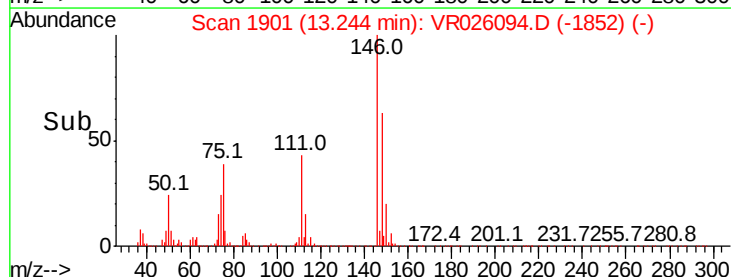
148 63.2 46.7 86.7

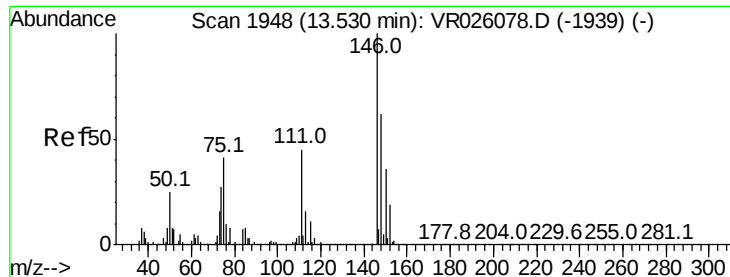


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

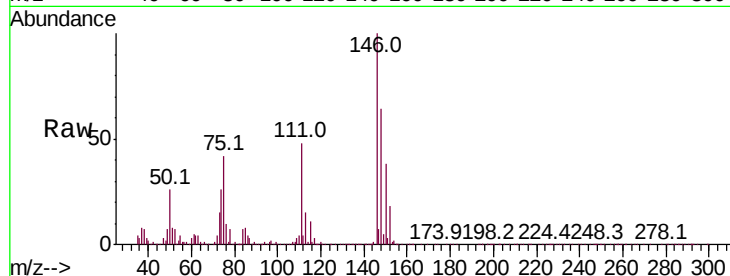




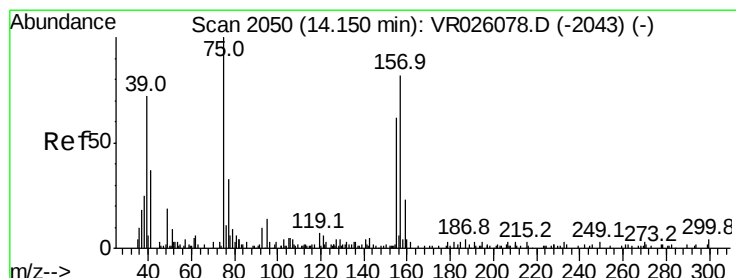
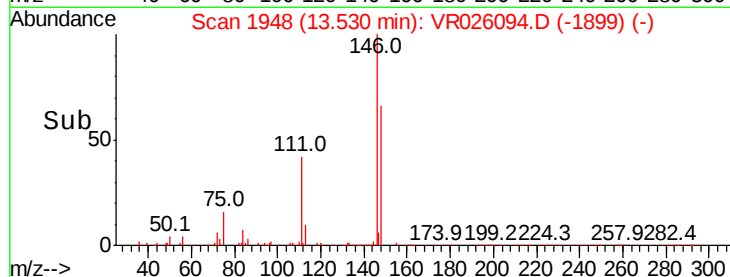
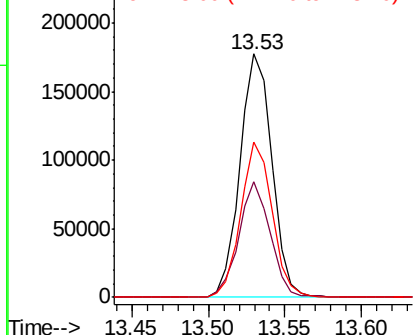
#65
 1,2-Dichlorobenzene
 Concen: 4.720 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026094.D
 Acq: 16 Oct 2018 10:36

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.7	35.2	52.8
148	63.7	51.2	76.8

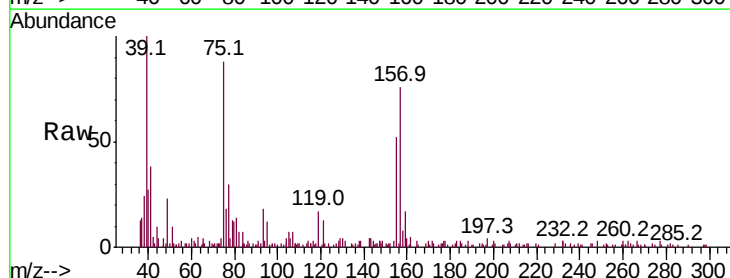


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

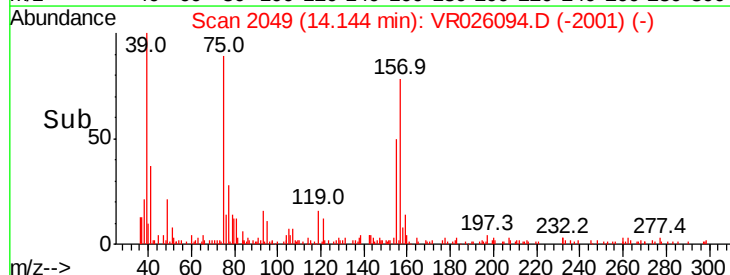
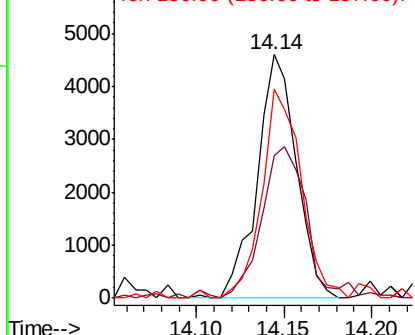


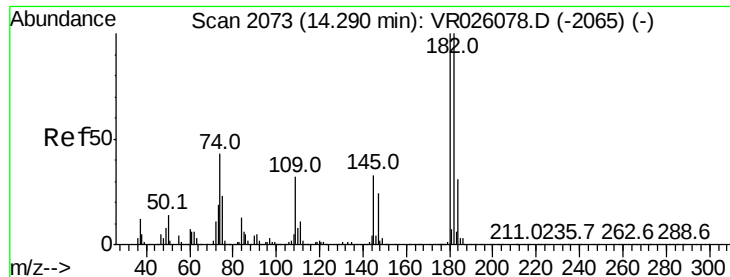
#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.222 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: VR026094.D
 Acq: 16 Oct 2018 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	58.5	40.9	61.3
157	86.1	67.3	100.9



Abundance Ion 75.05 (74.75 to 75.75): VR0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

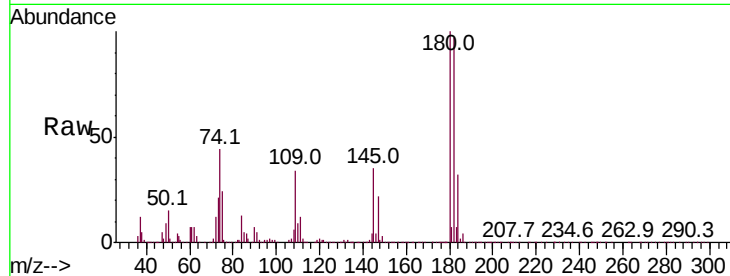




#67
 1,3,5-Trichlorobenzene
 Concen: 4.745 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026094.D
 Acq: 16 Oct 2018 10:36

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	180	Resp:	196452
Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.5	116.3
184	30.7	25.0	37.4
145	33.7	27.6	41.4



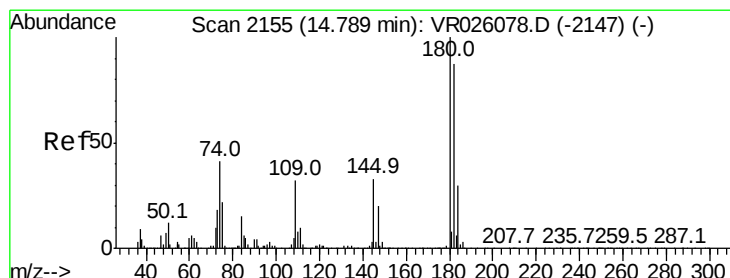
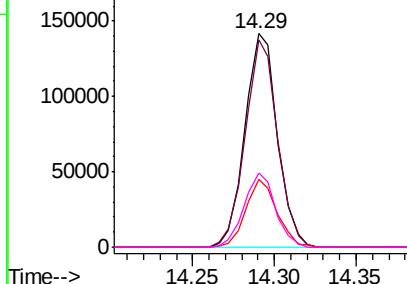
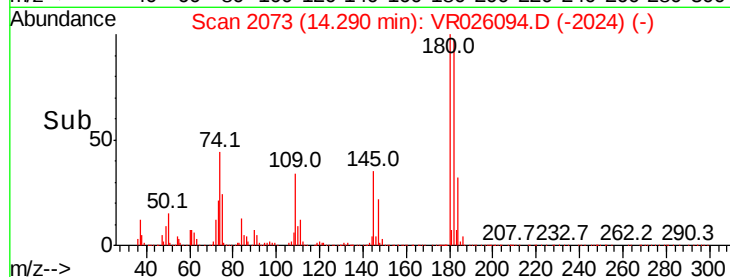
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

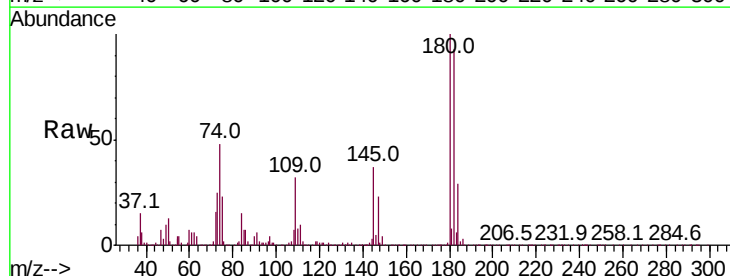
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.671 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026094.D
 Acq: 16 Oct 2018 10:36

Tgt Ion:	180	Resp:	112880
Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.1	114.1
145	34.3	28.2	42.4

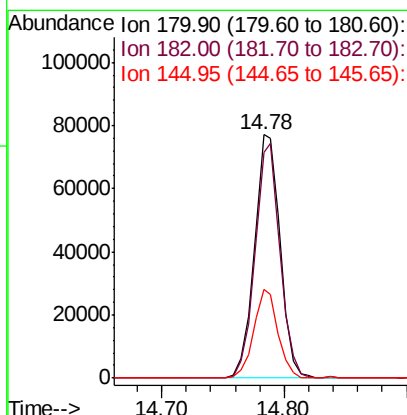
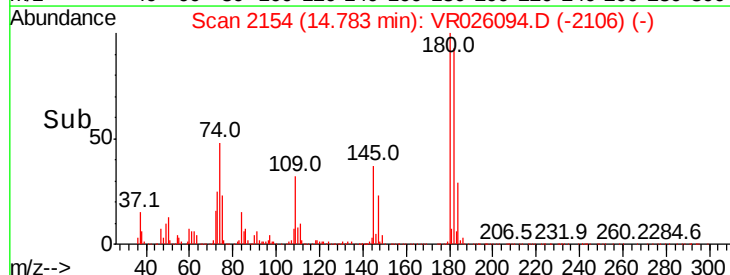


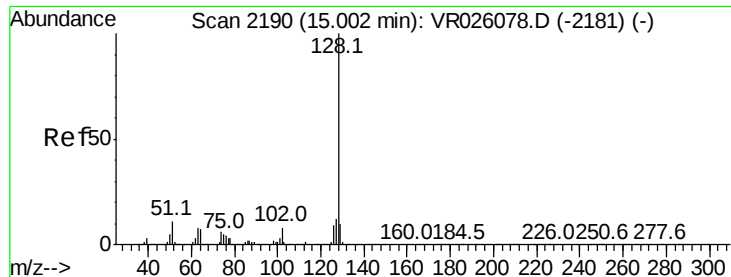
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

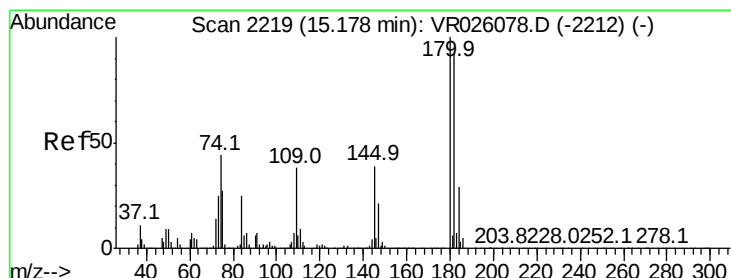
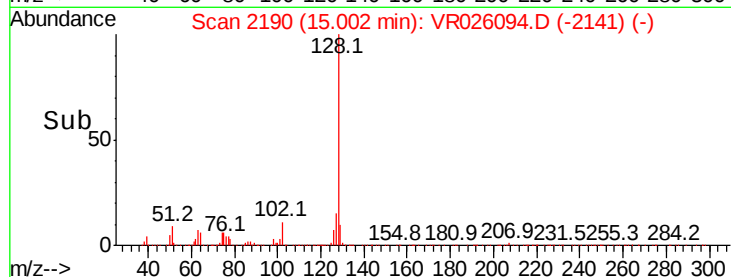
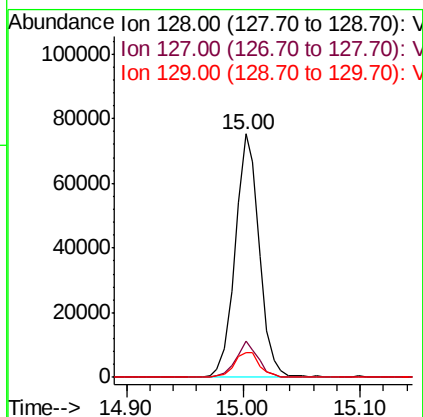
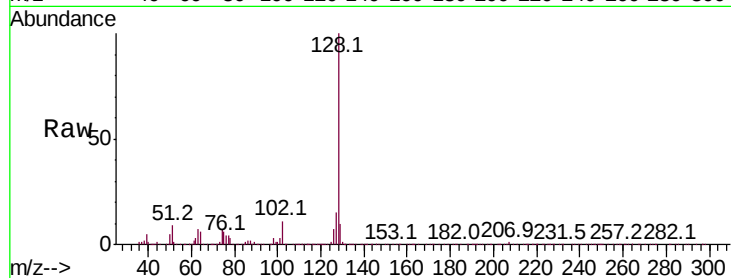




#69
Naphthalene
Concen: 4.609 ug/L
RT: 15.00 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:128 Resp: 108158
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.6
129 11.4 9.1 13.7



#70
1,2,3-Trichlorobenzene
Concen: 4.773 ug/L
RT: 15.18 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VR026094.D
Acq: 16 Oct 2018 10:36

Tgt Ion:180 Resp: 80109
Ion Ratio Lower Upper
180 100
182 94.8 75.7 113.5
145 36.3 28.8 43.2

