

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091418\
 Data File : VR025726.D
 Acq On : 14 Sep 2018 9:45
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00503

Quant Time: Sep 15 03:15:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 13 03:48:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	793964	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	691845	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	299063	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	147305	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	2.62	69	133258	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	3.63	63	447963	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.00%
20) 2-Butanone-d5	6.59	46	156157	44.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.62%
24) Chloroform-d	7.20	84	384635	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	7.90	65	125895	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	7.85	84	911958	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	8.89	67	234158	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	9.97	98	901244	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	10.24	79	51899	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	10.59	63	190608	51.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.50%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	109537	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	13.52	152	199233	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.83	85	212523	5.25	ug/L	98
3) Chloromethane	2.01	50	254218	5.11	ug/L	95
5) Vinyl chloride	2.17	62	251725	5.10	ug/L	100
6) Bromomethane	2.52	94	184674	5.22	ug/L	97
8) Chloroethane	2.66	64	146862	5.06	ug/L	99
9) Trichlorofluoromethane	2.93	101	179716	1.97	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	284682	5.80	ug/L	98
12) 1,1-Dichloroethene	3.64	96	267997	5.17	ug/L	88
13) Acetone	3.70	43	106775	45.47	ug/L	92
14) Carbon disulfide	3.95	76	666886	5.46	ug/L	96
15) Methyl Acetate	4.19	43	30999	3.70	ug/L	92
16) Methylene chloride	4.40	84	222967	4.86	ug/L	94
17) Methyl tert-butyl Ether	4.90	73	307053	4.82	ug/L	96
18) trans-1,2-Dichloroethene	4.88	96	328907	5.20	ug/L	97
19) 1,1-Dichloroethane	5.69	63	492519	5.05	ug/L	99
21) 2-Butanone	6.69	43	253388	51.13	ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	288649	5.24	ug/L #	98

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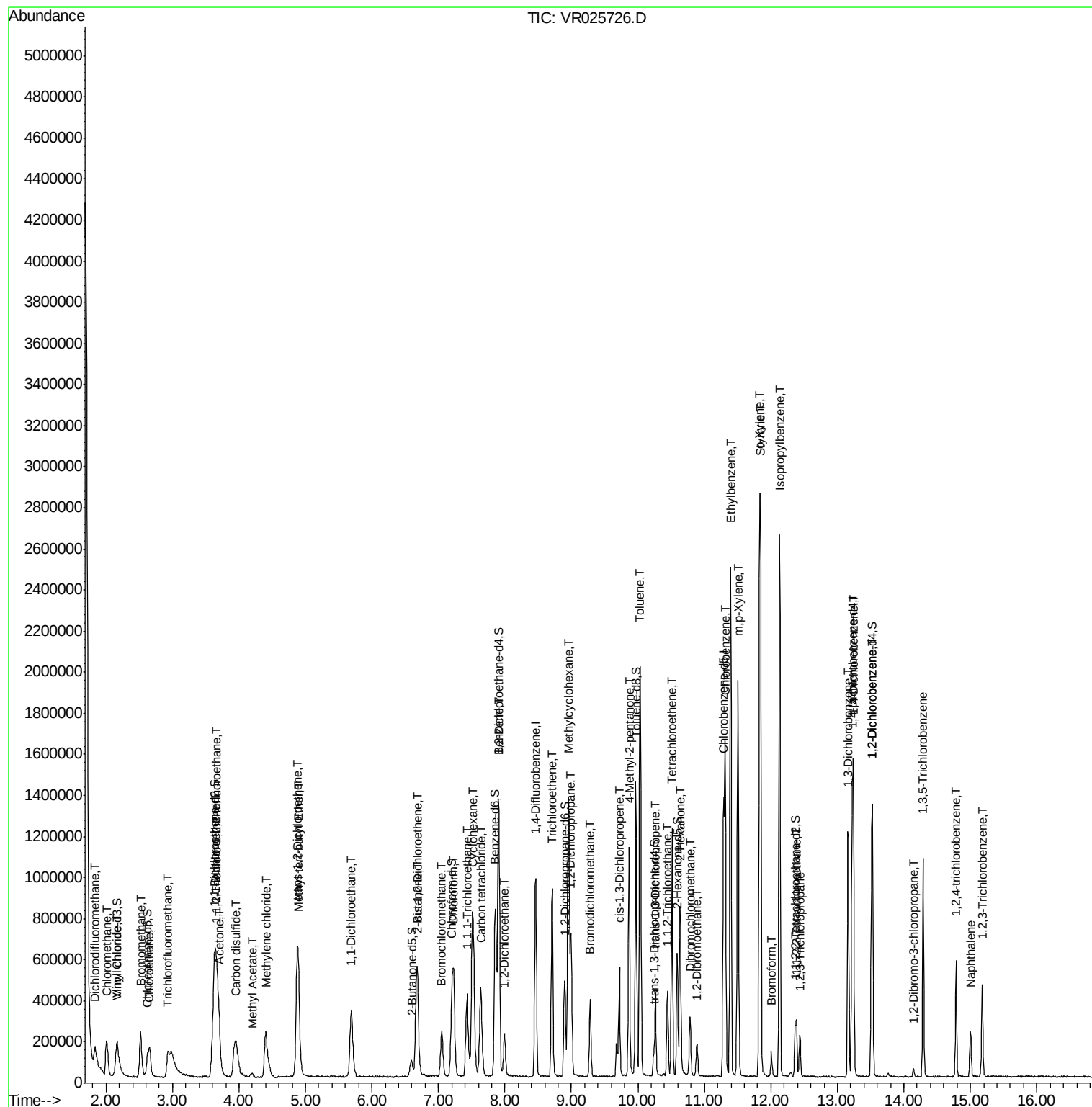
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	87991	4.66	ug/L	95
25) Chloroform	7.23	83	442951	4.97	ug/L	99
27) 1,2-Dichloroethane	7.99	62	173571	4.93	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	351849	5.11	ug/L	98
30) Cyclohexane	7.51	56	493057	5.95	ug/L	96
31) Carbon tetrachloride	7.63	117	352316	5.27	ug/L	97
33) Benzene	7.91	78	1295818	5.26	ug/L	100
34) Trichloroethene	8.71	95	305669	5.12	ug/L	99
35) Methylcyclohexane	8.95	83	575331	6.24	ug/L	98
37) 1,2-Dichloropropane	9.00	63	278700	5.02	ug/L	99
38) Bromodichloromethane	9.28	83	238707	4.78	ug/L	89
39) cis-1,3-Dichloropropene	9.72	75	288147	5.07	ug/L	97
40) 4-Methyl-2-pentanone	9.87	43	699723	50.94	ug/L	99
42) Toluene	10.04	91	1392217	5.52	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	192665	4.82	ug/L	93
45) 1,1,2-Trichloroethane	10.45	97	122239	4.70	ug/L	93
47) Tetrachloroethene	10.51	164	262155	5.36	ug/L	97
48) 2-Hexanone	10.63	43	489089	50.77	ug/L	100
49) Dibromochloromethane	10.79	129	137005	4.94	ug/L	99
50) 1,2-Dibromoethane	10.89	107	95512	4.62	ug/L #	90
51) Chlorobenzene	11.32	112	812513	5.12	ug/L	100
52) Ethylbenzene	11.39	91	1549693	5.70	ug/L	99
53) m,p-Xylene	11.50	106	612474	5.60	ug/L	98
54) o-Xylene	11.83	106	559978	5.81	ug/L	98
55) Styrene	11.84	104	890805	5.74	ug/L	99
56) Isopropylbenzene	12.13	105	1500701	6.25	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	123161	4.86	ug/L	95
59) 1,2,3-Trichloropropane	12.43	75	79745	4.68	ug/L	94
61) Bromoform	12.01	173	54483	4.26	ug/L	92
62) 1,3-Dichlorobenzene	13.16	146	470128	5.03	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	526492	4.96	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	397327	4.93	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.14	75	9104	3.84	ug/L	91
67) 1,3,5-Trichlorobenzene	14.29	180	286428	5.16	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	163281	4.79	ug/L	99
69) Naphthalene	15.00	128	162065	4.25	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	129368	4.80	ug/L	99

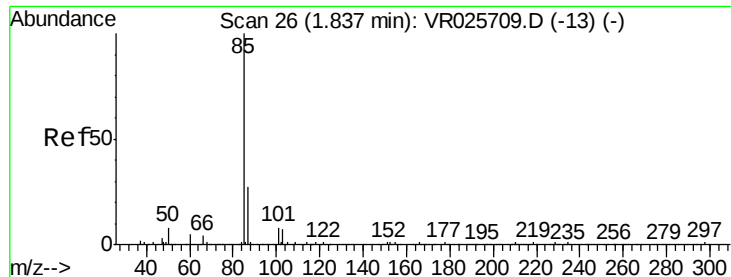
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#2

Dichlorodifluoromethane

Concen: 5.25 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Instrument :

MSVOA_R

ClientSampleId :

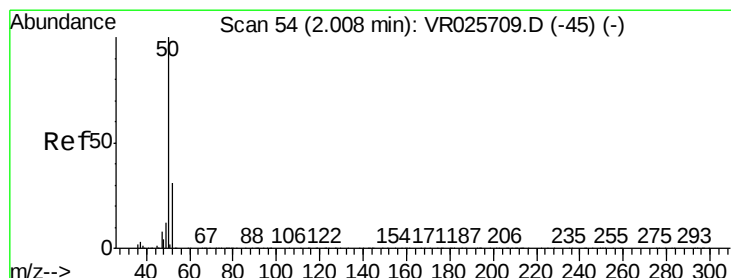
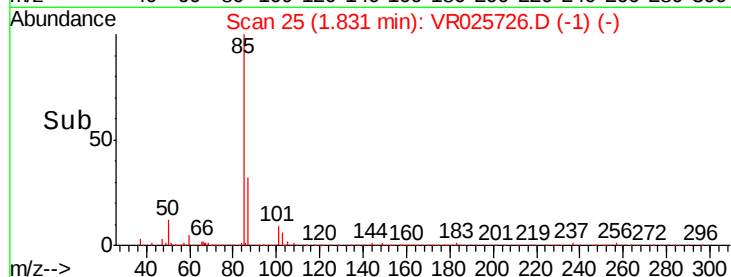
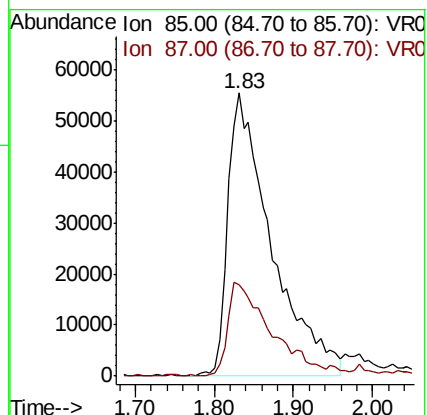
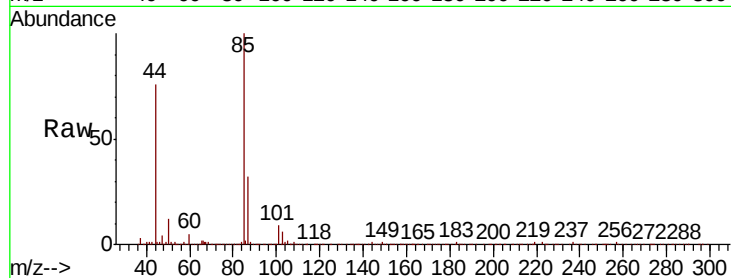
VSTD00503

Tot Ion: 85 Resp: 212523

Ion Ratio Lower Upper

85 100

87 32.8 25.3 37.9



#3

Chloromethane

Concen: 5.11 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.01 min

Lab File: VR025726.D

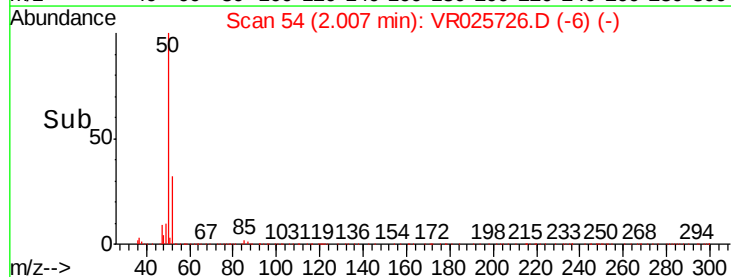
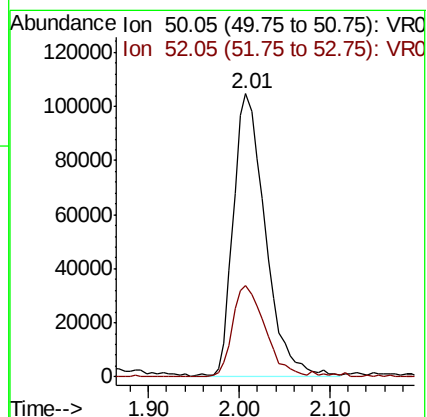
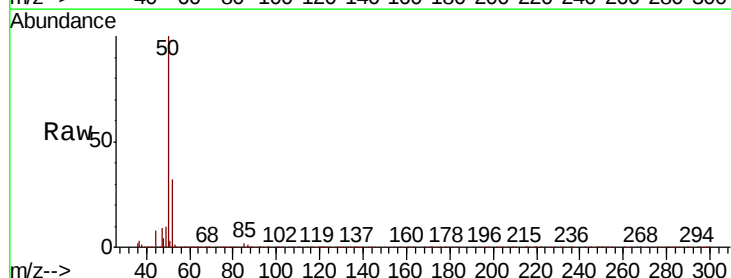
Acq: 14 Sep 2018 9:45

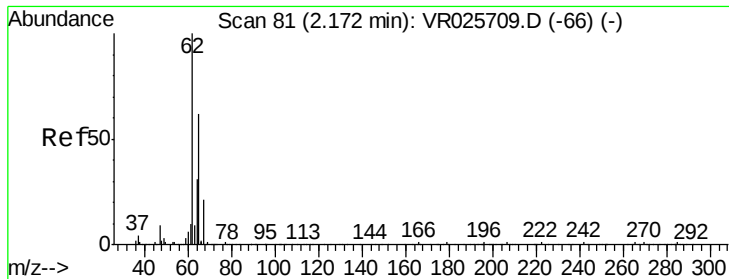
Tgt Ion: 50 Resp: 254218

Ion Ratio Lower Upper

50 100

52 32.4 24.6 45.8





#5

Vinyl chloride

Concen: 5.10 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.01 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Instrument :

MSVOA_R

ClientSampleId :

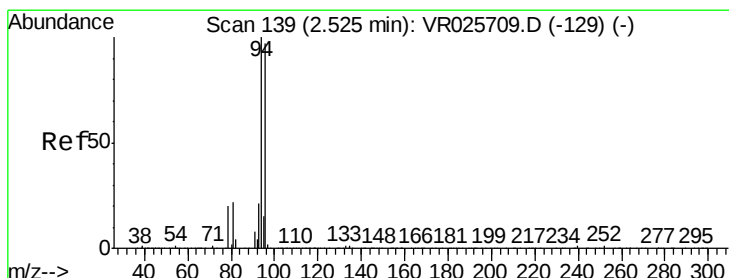
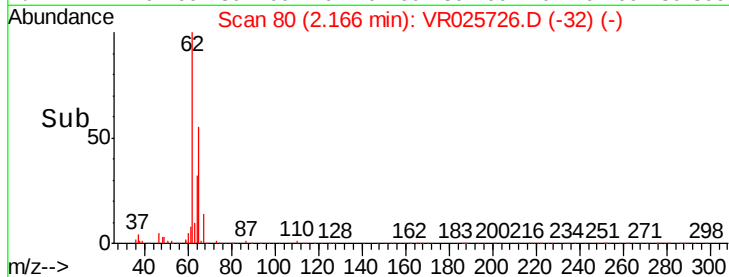
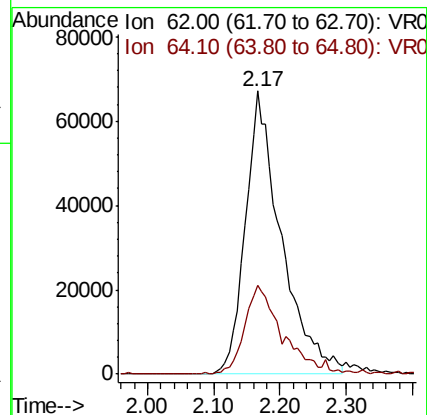
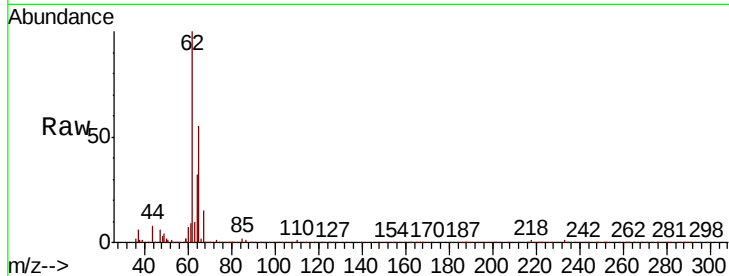
VSTD00503

Tot Ion: 62 Resp: 251725

Ion Ratio Lower Upper

62 100

64 31.5 22.0 40.8



#6

Bromomethane

Concen: 5.22 ug/L

RT: 2.52 min Scan# 138

Delta R.T. 0.00 min

Lab File: VR025726.D

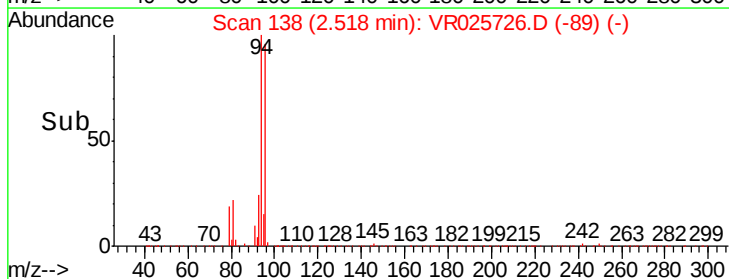
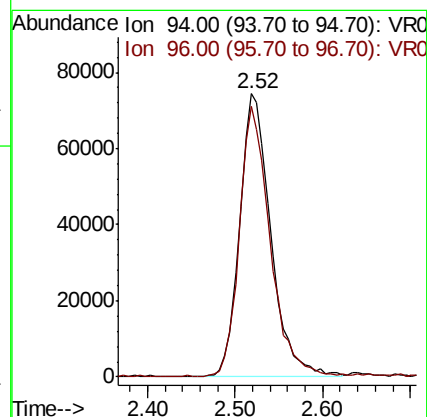
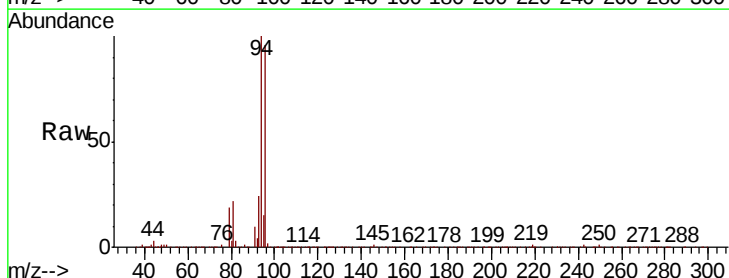
Acq: 14 Sep 2018 9:45

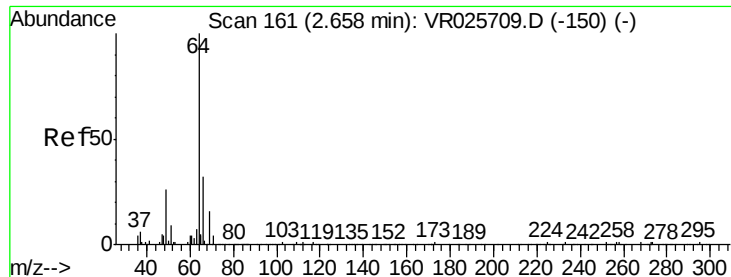
Tgt Ion: 94 Resp: 184674

Ion Ratio Lower Upper

94 100

96 95.7 68.9 127.9

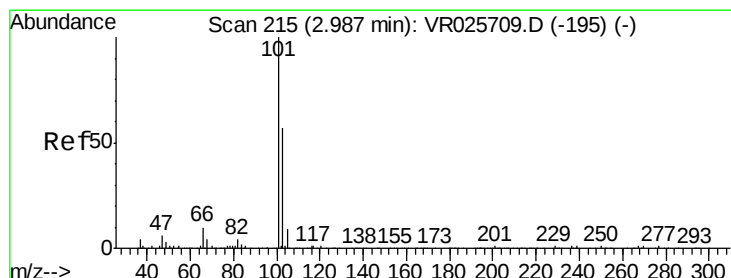
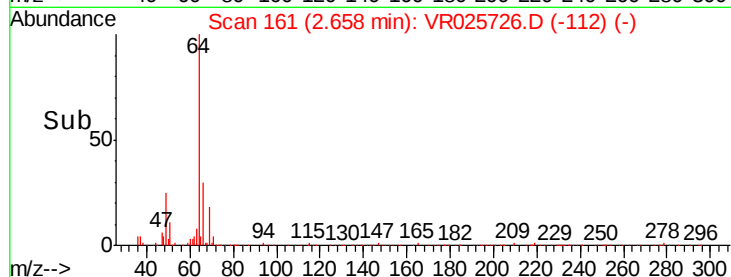
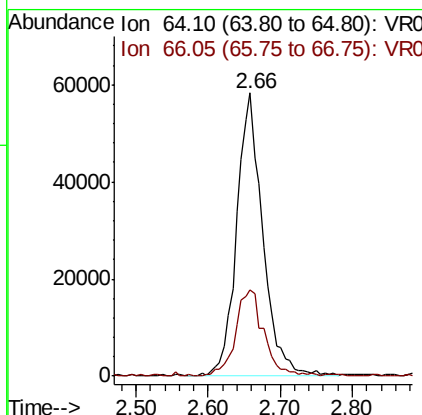
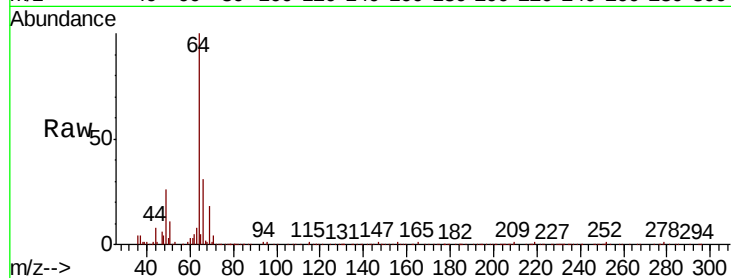




#8
Chloroethane
Concen: 5.06 ug/L
RT: 2.66 min Scan# 161
Delta R.T. 0.00 min
Lab File: VR025726.D
Acq: 14 Sep 2018 9:45

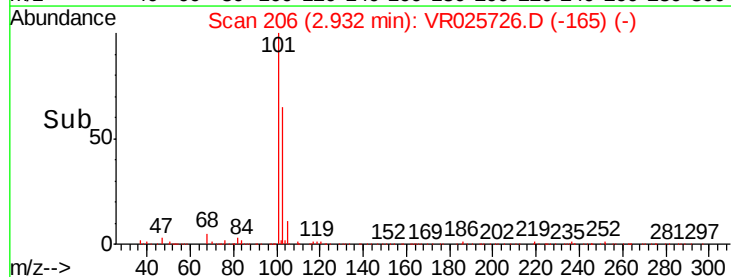
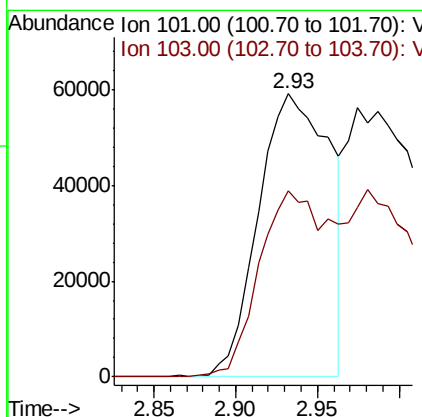
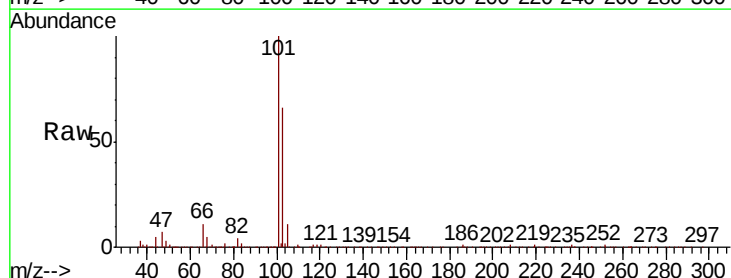
Instrument :
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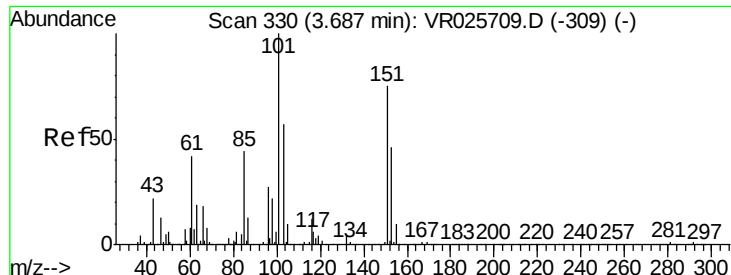
Tot Ion: 64 Resp: 146862
Ion Ratio Lower Upper
64 100
66 30.6 21.8 40.6



#9
Trichlorofluoromethane
Concen: 1.97 ug/L
RT: 2.93 min Scan# 206
Delta R.T. -0.05 min
Lab File: VR025726.D
Acq: 14 Sep 2018 9:45

Tgt Ion:101 Resp: 179716
Ion Ratio Lower Upper
101 100
103 65.1 13.2 19.8#





#10

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

Concen: 5.80 ug/L

RT: 3.67 min Scan# 328

Delta R.T. -0.01 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Instrument :

MSVOA_R

ClientSampleId :

VSTD00503

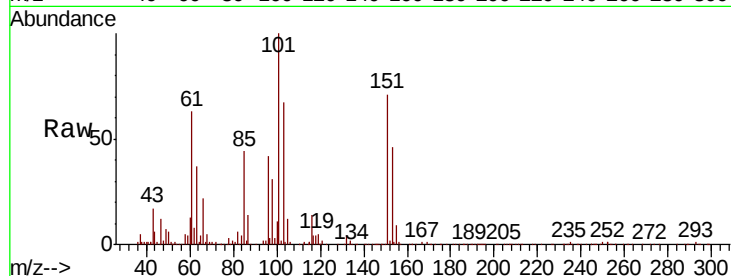
Tot Ion:101 Resp: 284682

Ion Ratio Lower Upper

101 100

85 46.2 38.1 57.1

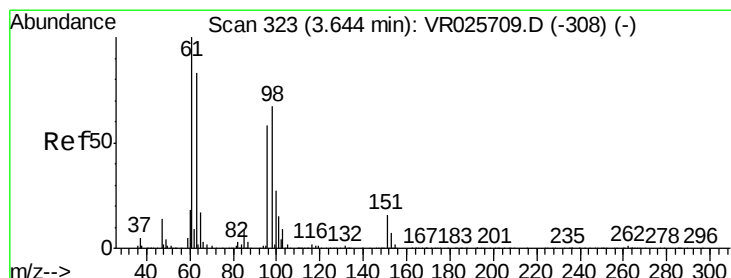
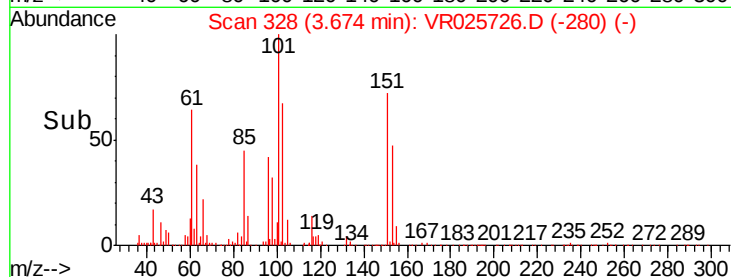
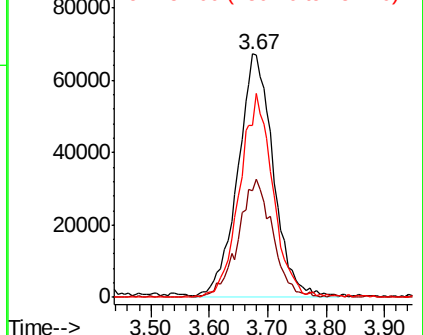
151 77.4 60.3 90.5



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: 5.17 ug/L

RT: 3.64 min Scan# 323

Delta R.T. -0.01 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

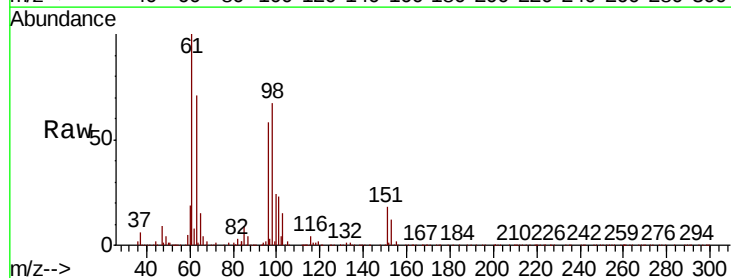
Tgt Ion: 96 Resp: 267997

Ion Ratio Lower Upper

96 100

61 172.9 128.4 238.4

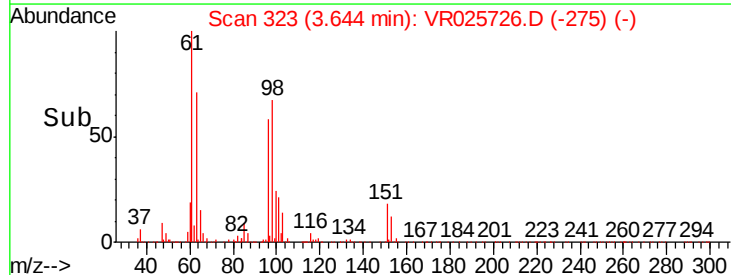
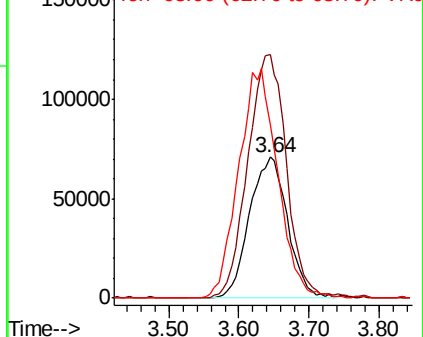
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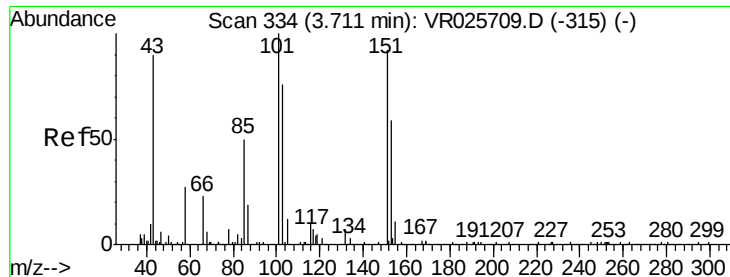


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 45.47 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

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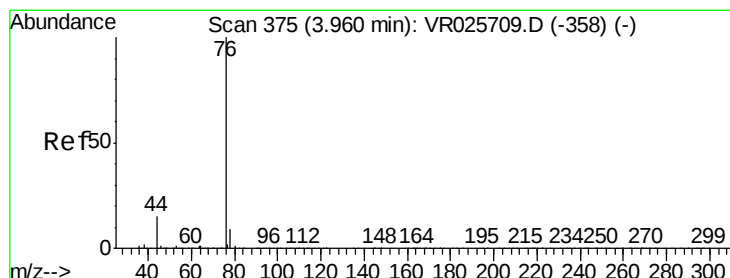
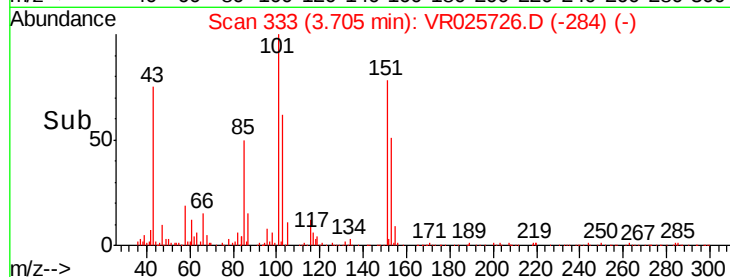
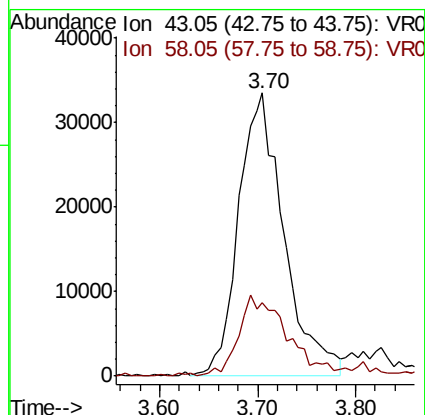
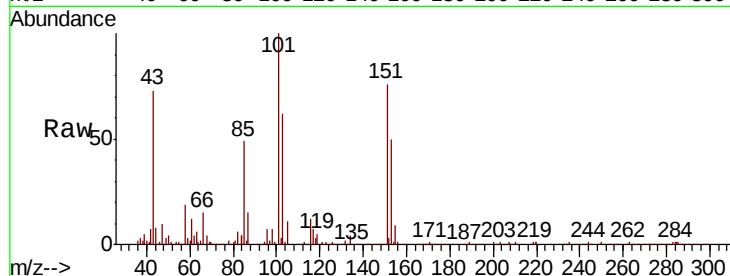
VSTD00503

Tot Ion: 43 Resp: 106775

Ion Ratio Lower Upper

43 100

58 30.9 0.0 53.6



#14

Carbon disulfide

Concen: 5.46 ug/L

RT: 3.95 min Scan# 374

Delta R.T. -0.02 min

Lab File: VR025726.D

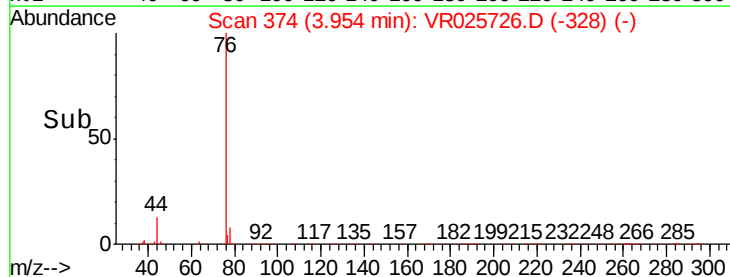
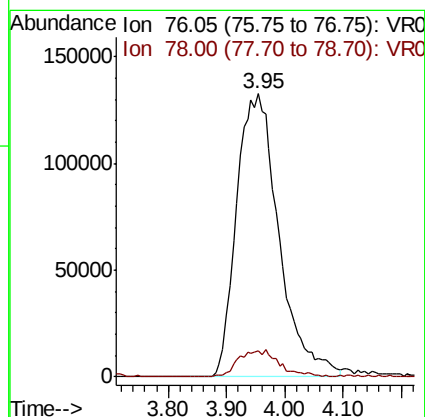
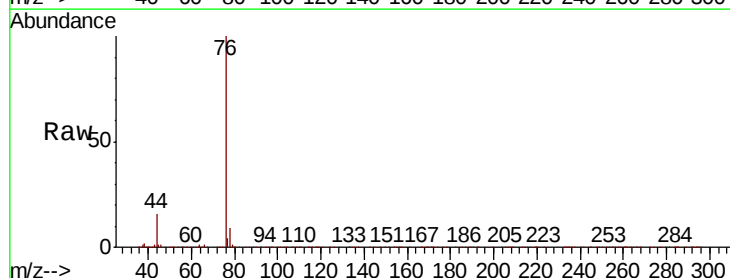
Acq: 14 Sep 2018 9:45

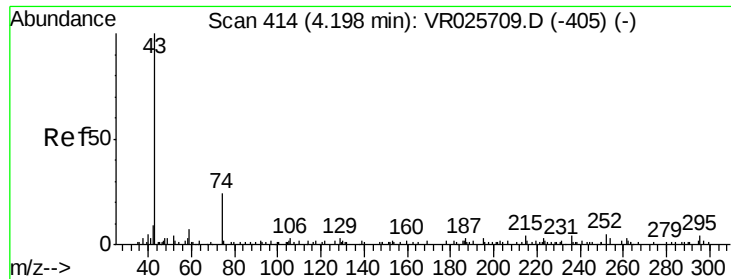
Tgt Ion: 76 Resp: 666886

Ion Ratio Lower Upper

76 100

78 9.4 8.6 12.8

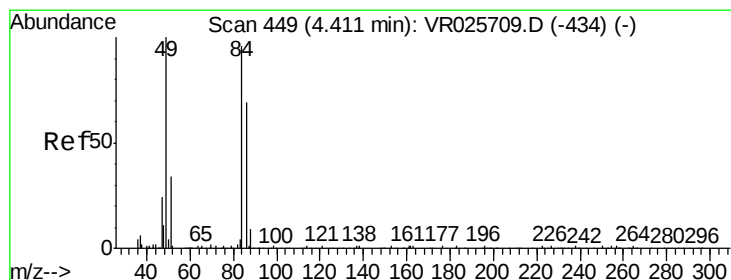
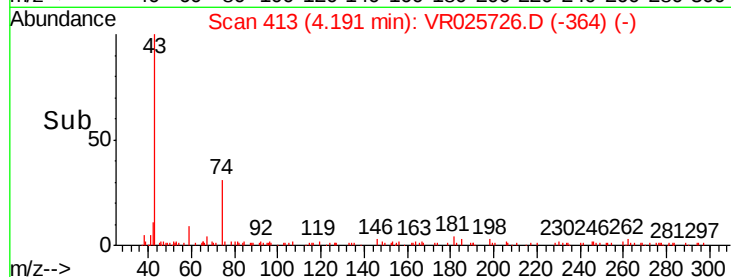
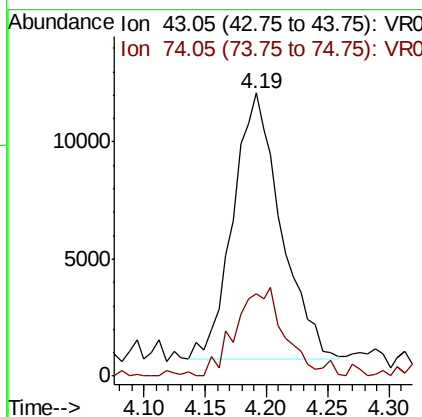
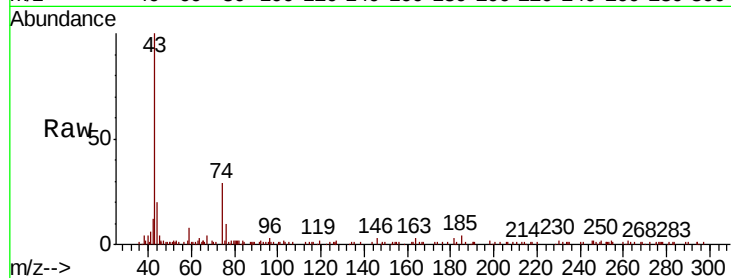




#15
Methyl Acetate
Concen: 3.70 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.00 min
Lab File: VR025726.D
Acq: 14 Sep 2018 9:45

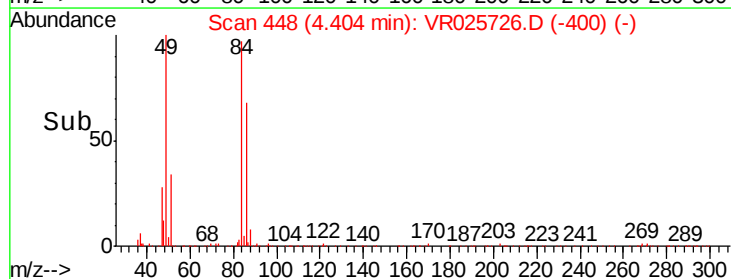
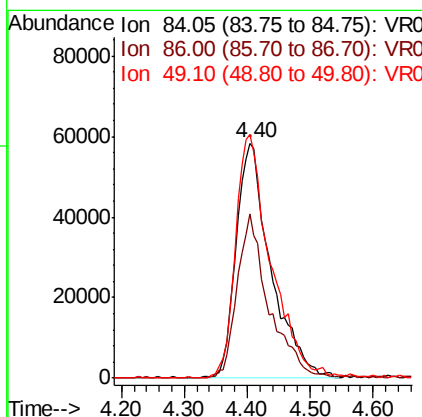
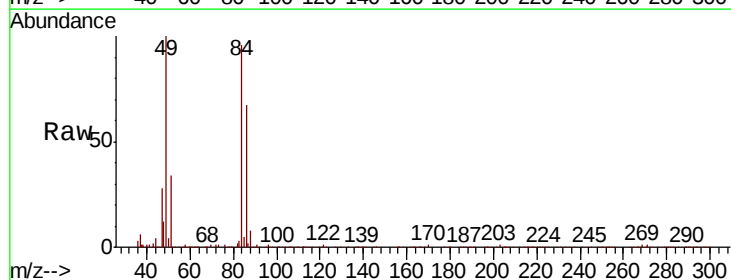
Instrument :
MSVOA_R
ClientSampled :
VSTD00503

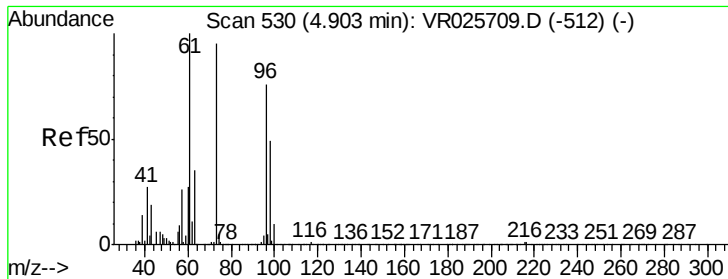
Tot Ion: 43 Resp: 30999
Ion Ratio Lower Upper
43 100
74 34.4 24.2 36.4



#16
Methylene chloride
Concen: 4.86 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.01 min
Lab File: VR025726.D
Acq: 14 Sep 2018 9:45

Tgt Ion: 84 Resp: 222967
Ion Ratio Lower Upper
84 100
86 69.8 46.5 86.3
49 103.7 77.4 143.8

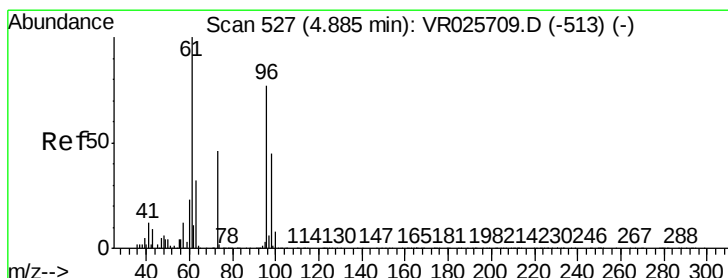
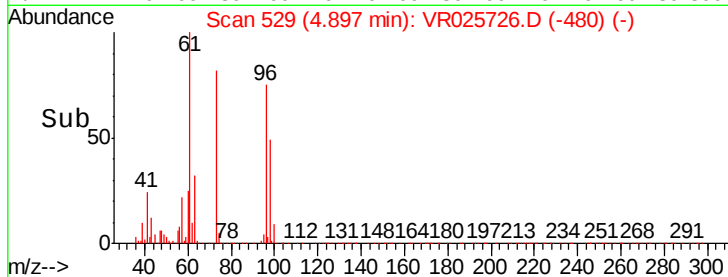
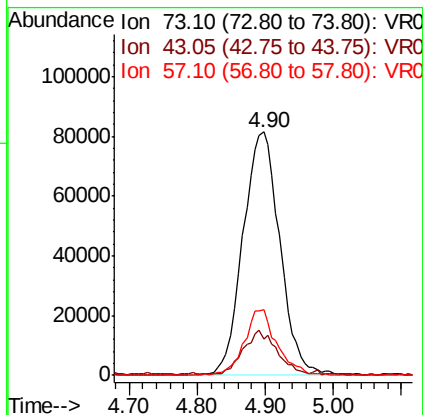
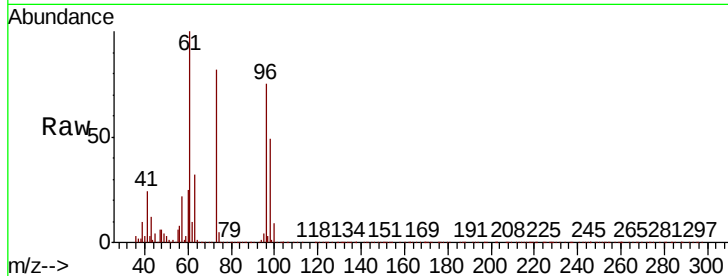




#17
Methvl tert-butvl Ether
Concen: 4.82 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.00 min
Lab File: VR025726.D
Acq: 14 Sep 2018 9:45

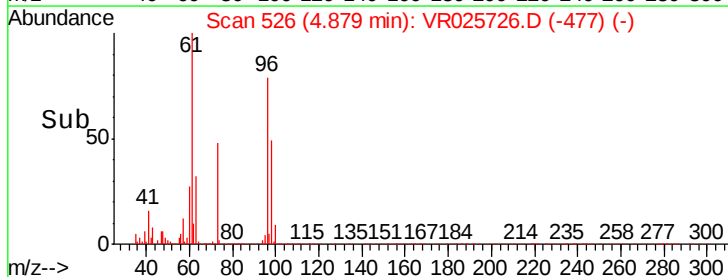
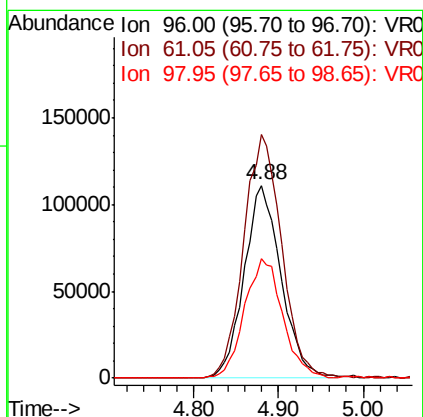
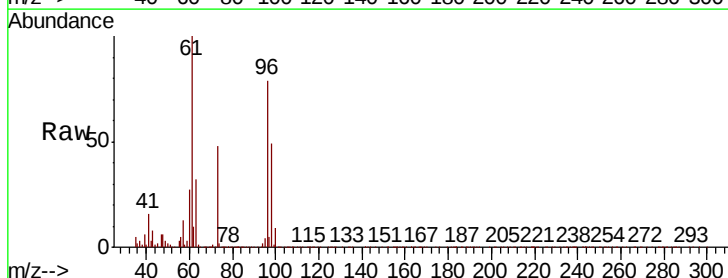
Instrument :
MSVOA_R
ClientSampled :
VSTD00503

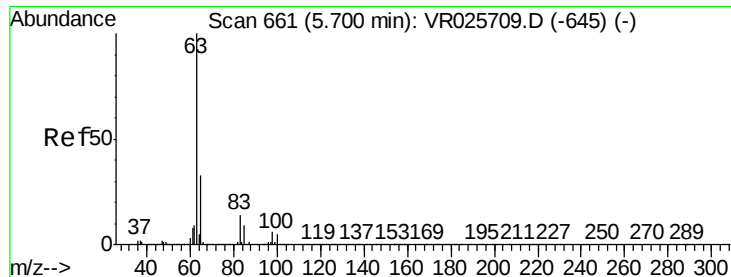
Tot Ion: 73 Resp: 307053
Ion Ratio Lower Upper
73 100
43 16.3 15.1 22.7
57 23.2 19.5 29.3



#18
trans-1,2-Dichloroethene
Concen: 5.20 ug/L
RT: 4.88 min Scan# 526
Delta R.T. 0.00 min
Lab File: VR025726.D
Acq: 14 Sep 2018 9:45

Tgt Ion: 96 Resp: 328907
Ion Ratio Lower Upper
96 100
61 126.4 91.3 169.6
98 61.9 43.2 80.2

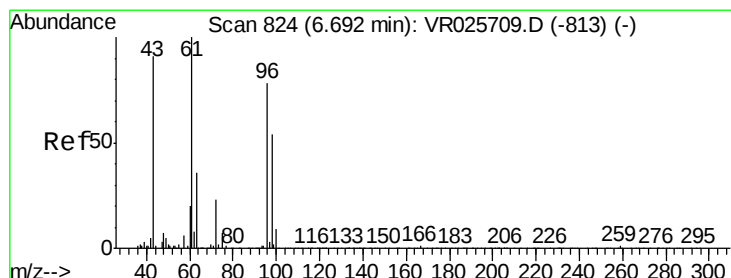
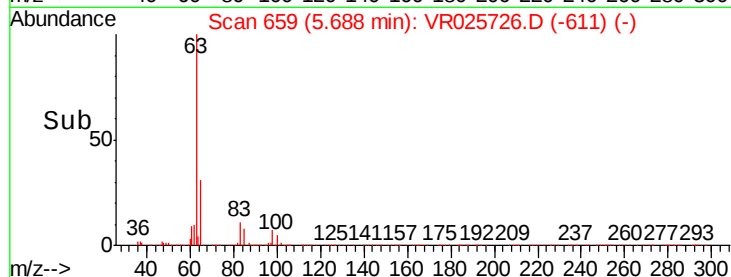
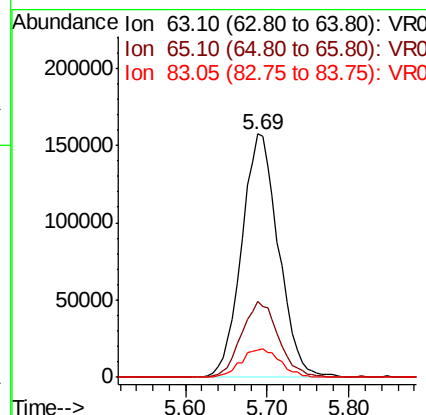
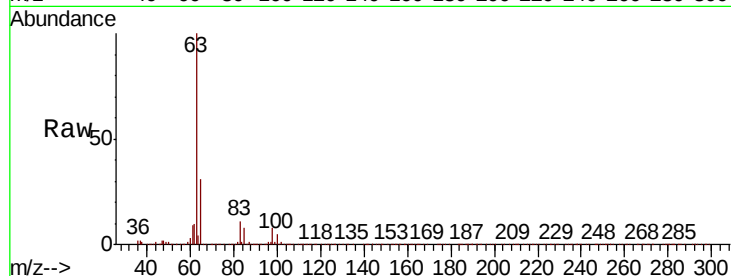




#19
 1,1-Dichloroethane
 Concen: 5.05 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: VR025726.D
 Acq: 14 Sep 2018 9:45

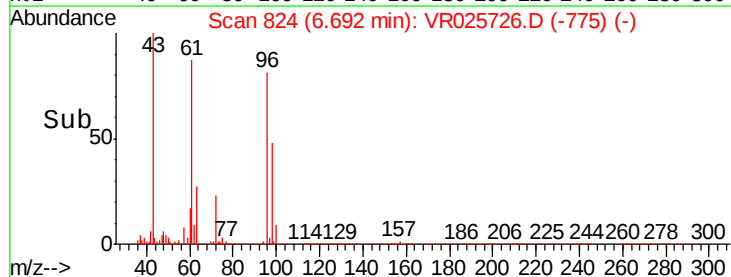
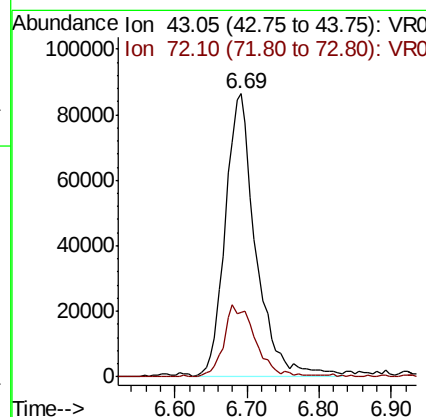
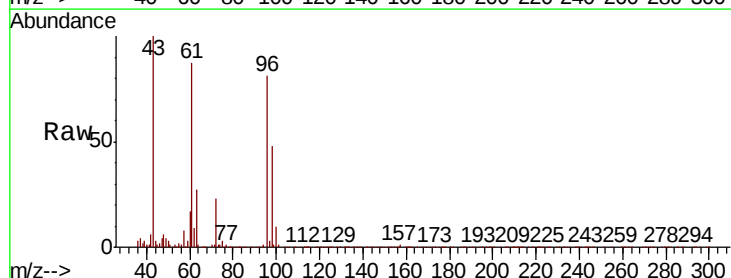
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00503

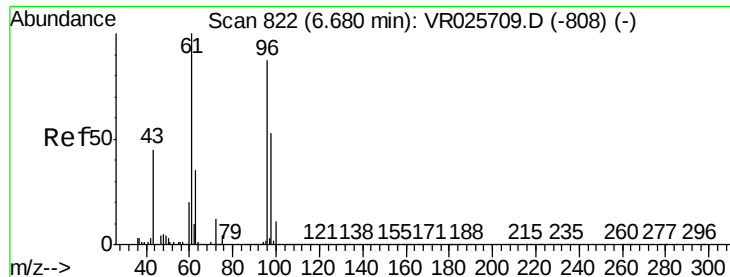
Tot Ion: 63 Resp: 492519
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.9 40.7
 83 11.5 7.6 14.2



#21
 2-Butanone
 Concen: 51.13 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: VR025726.D
 Acq: 14 Sep 2018 9:45

Tgt Ion: 43 Resp: 253388
 Ion Ratio Lower Upper
 43 100
 72 26.2 13.3 39.9



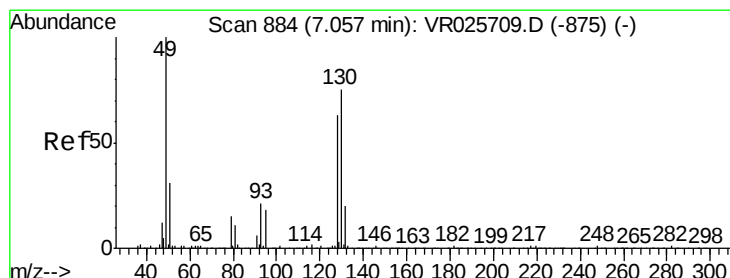
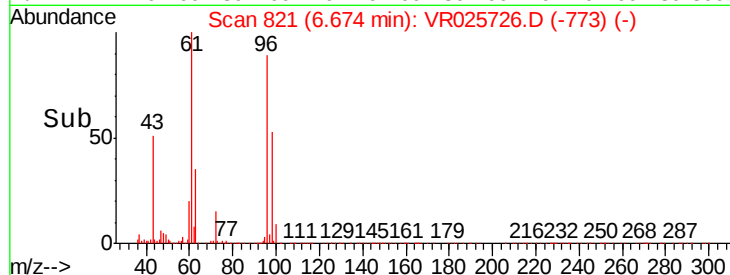
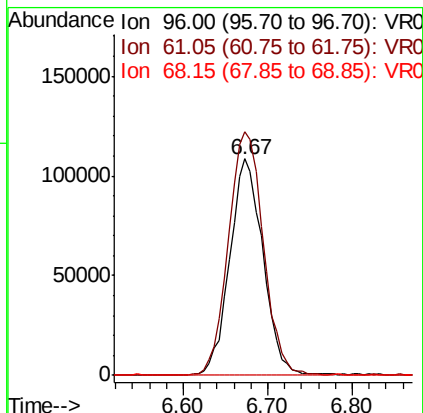
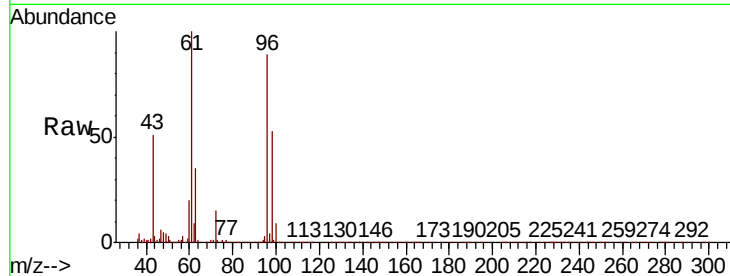


#22

cis-1,2-Dichloroethene
Concen: 5.24 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR025726.D
Acq: 14 Sep 2018 9:45

Instrument :
MSVOA_R
ClientSampleId :
VSTD00503

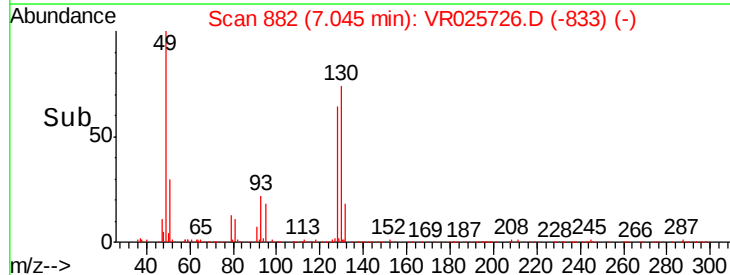
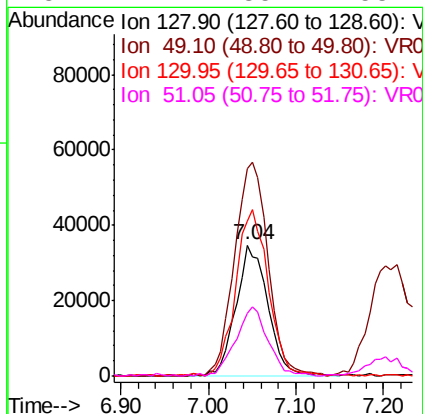
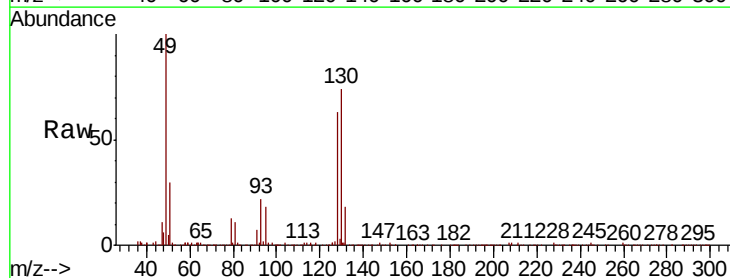
Tot Ion	Ratio	Lower	Upper
96	100		
61	112.6	79.9	148.5
68	0.1	0.2	0.4

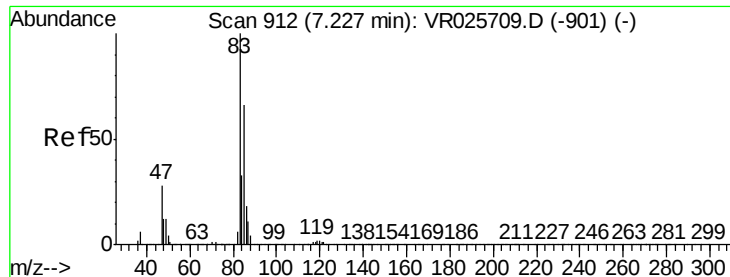


#23

Bromochloromethane
Concen: 4.66 ug/L
RT: 7.04 min Scan# 882
Delta R.T. 0.00 min
Lab File: VR025726.D
Acq: 14 Sep 2018 9:45

Tgt Ion	Ratio	Lower	Upper
128	100		
49	157.6	104.6	194.2
130	118.2	84.7	157.3
51	47.4	35.4	53.2





#25

Chloroform

Concen: 4.97 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Instrument :

MSVOA_R

ClientSampleId :

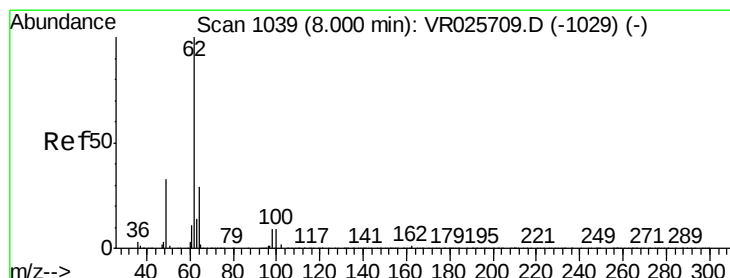
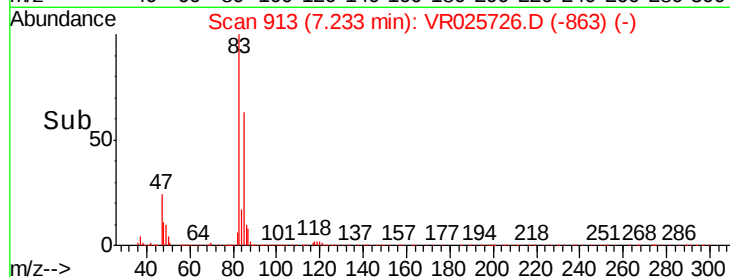
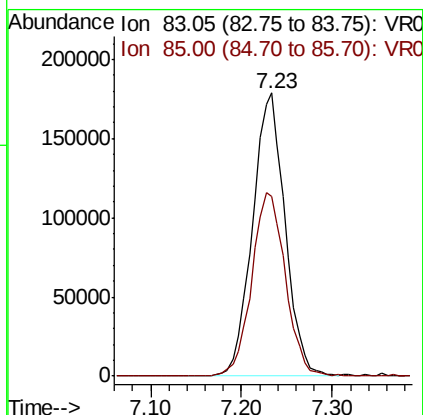
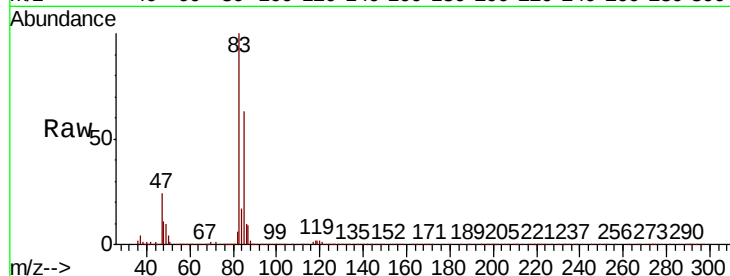
VSTD00503

Tot Ion: 83 Resp: 442951

Ion Ratio Lower Upper

83 100

85 63.4 43.8 81.4



#27

1,2-Dichloroethane

Concen: 4.93 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR025726.D

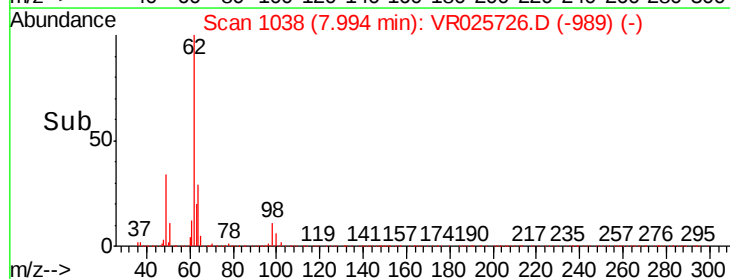
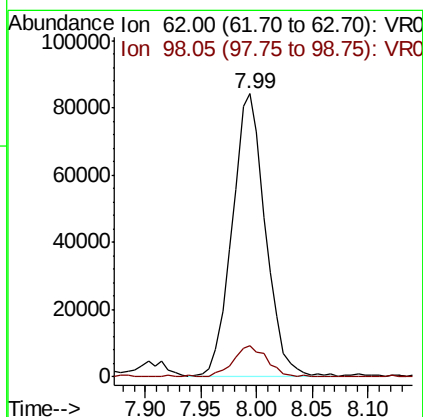
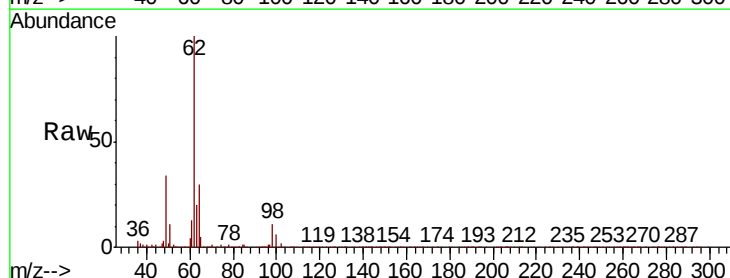
Acq: 14 Sep 2018 9:45

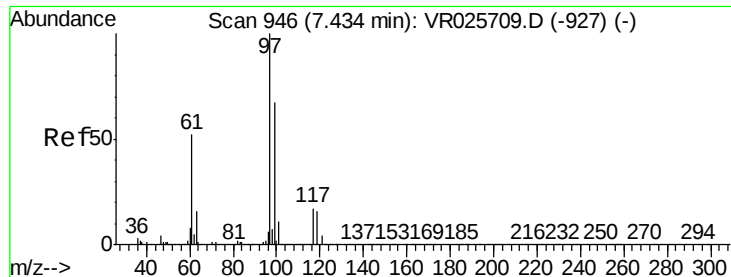
Tgt Ion: 62 Resp: 173571

Ion Ratio Lower Upper

62 100

98 11.0 9.4 14.2

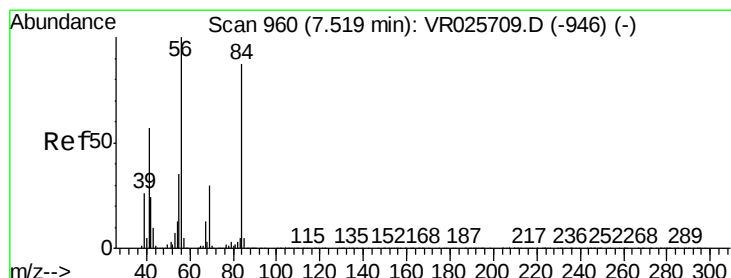
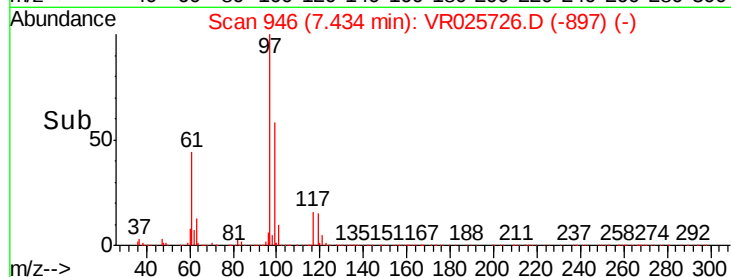
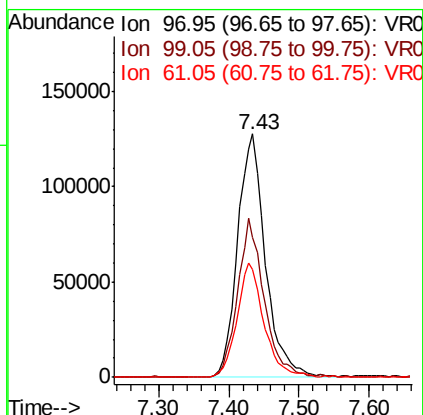
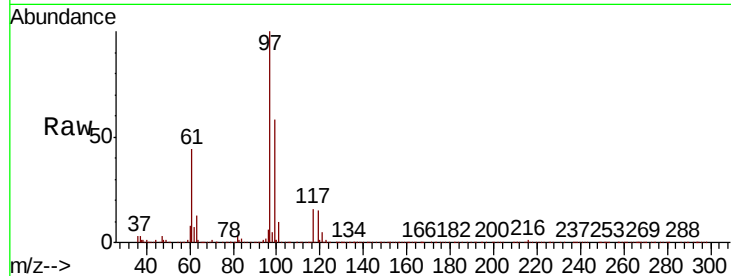




#29
 1,1,1-Trichloroethane
 Concen: 5.11 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VR025726.D
 Acq: 14 Sep 2018 9:45

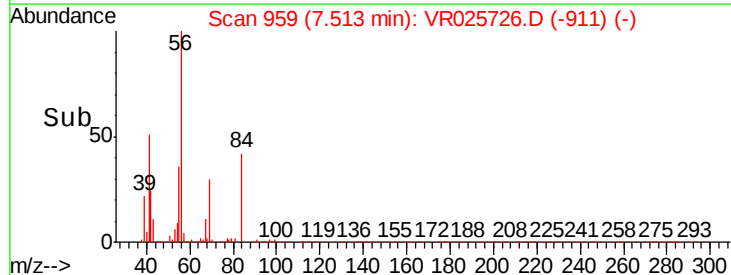
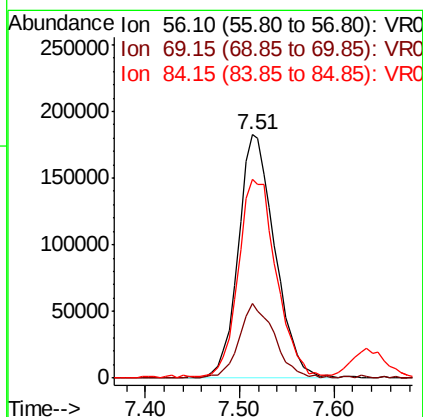
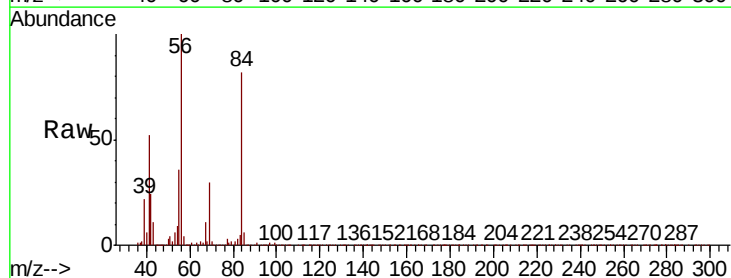
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00503

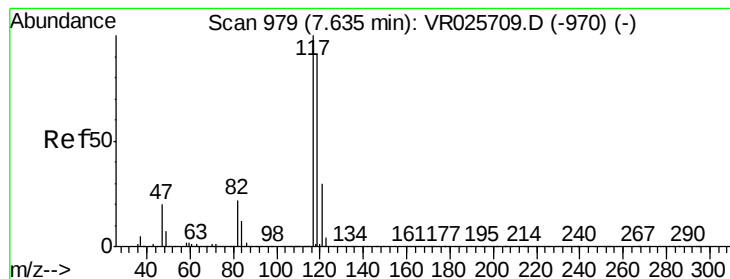
Tot Ion	Ratio	Lower	Upper
97	100		
99	62.1	51.3	76.9
61	45.3	36.2	54.4



#30
 Cyclohexane
 Concen: 5.95 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: VR025726.D
 Acq: 14 Sep 2018 9:45

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.4	35.2
84	83.7	70.4	105.6





#31

Carbon tetrachloride

Concen: 5.27 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Instrument :

MSVOA_R

ClientSampleId :

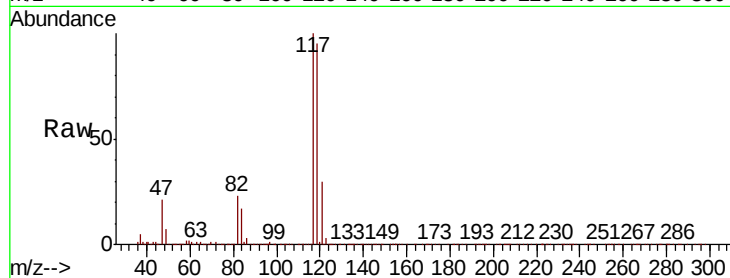
VSTD00503

Tot Ion:117 Resp: 352316

Ion Ratio Lower Upper

117 100

119 96.1 78.9 118.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

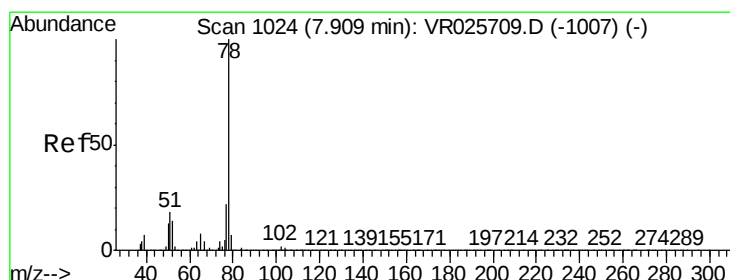
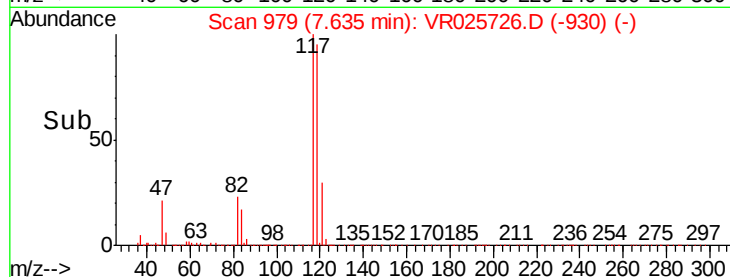
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 5.26 ug/L

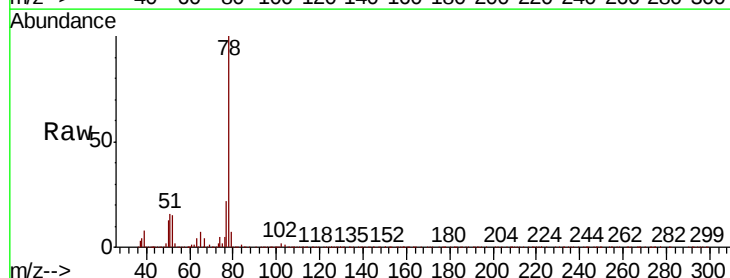
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Tgt Ion: 78 Resp: 1295818



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

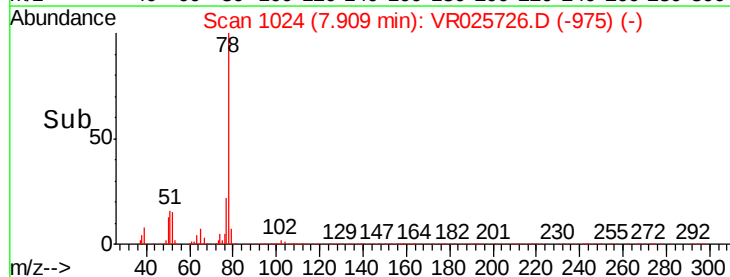
600000

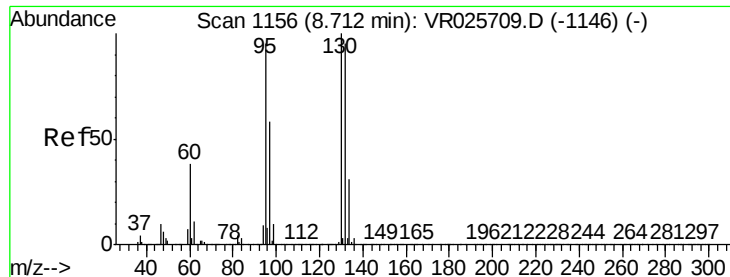
400000

200000

0

Time-->





#34

Trichloroethene

Concen: 5.12 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Instrument :

MSVOA_R

ClientSampled :

VSTD00503

Tot Ion: 95 Resp: 305669

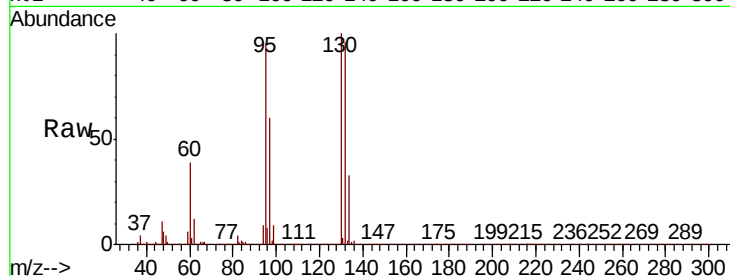
Ion Ratio Lower Upper

95 100

97 63.2 45.5 84.5

132 101.0 71.0 131.9

130 105.4 74.5 138.3

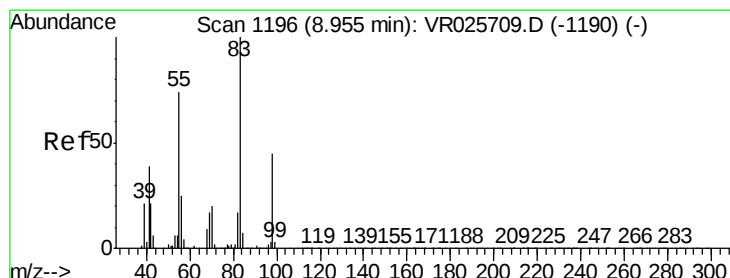
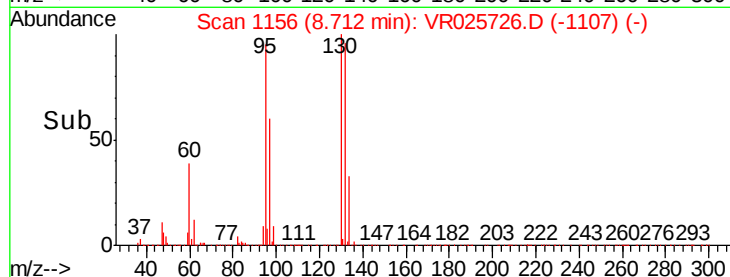
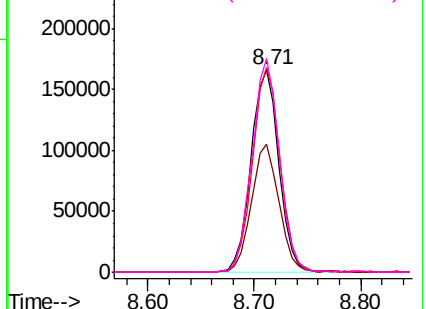


Abundance Ion 95.00 (94.70 to 95.70): VR0

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



#35

Methylcyclohexane

Concen: 6.24 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

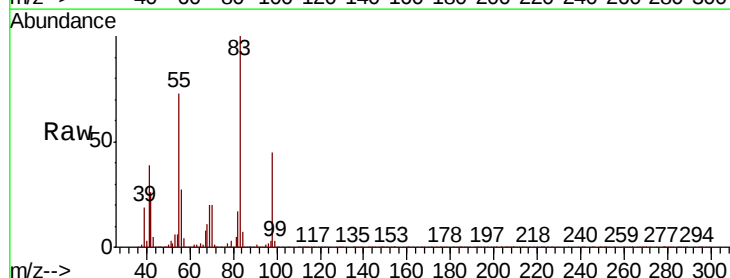
Tgt Ion: 83 Resp: 575331

Ion Ratio Lower Upper

83 100

55 71.4 58.9 88.3

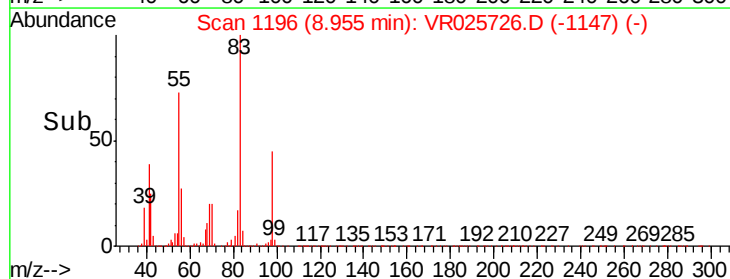
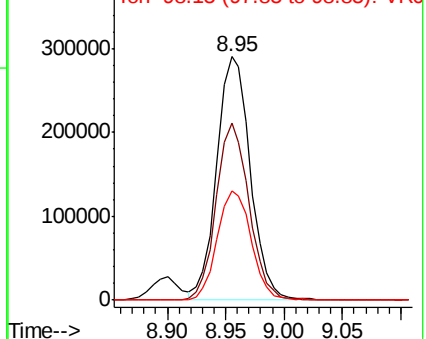
98 45.9 36.9 55.3

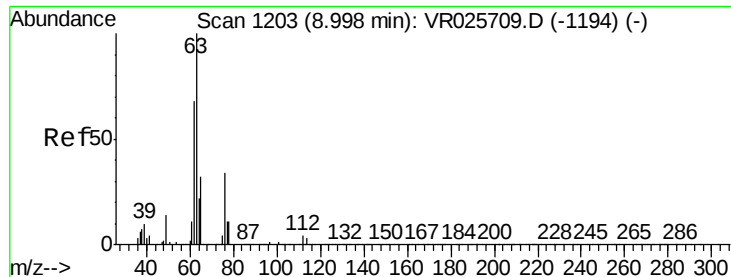


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 5.02 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Instrument :

MSVOA_R

ClientSampleId :

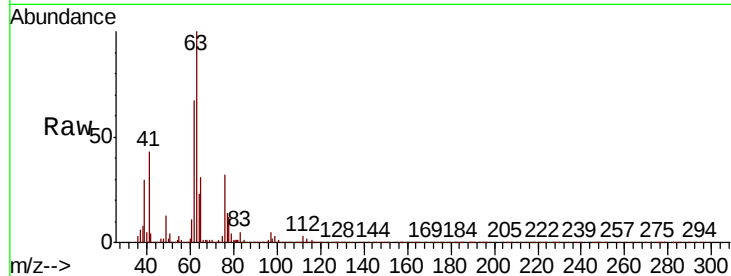
VSTD00503

Tot Ion: 63 Resp: 278700

Ion Ratio Lower Upper

63 100

112 3.3 2.9 4.3



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V

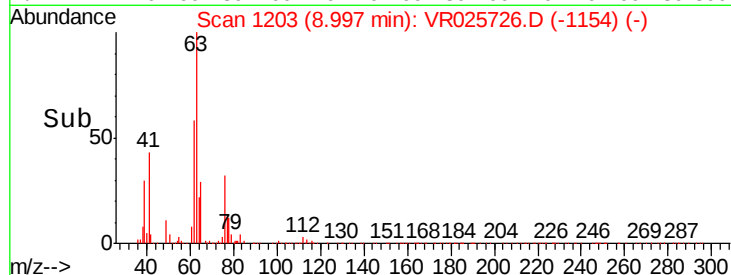
150000

100000

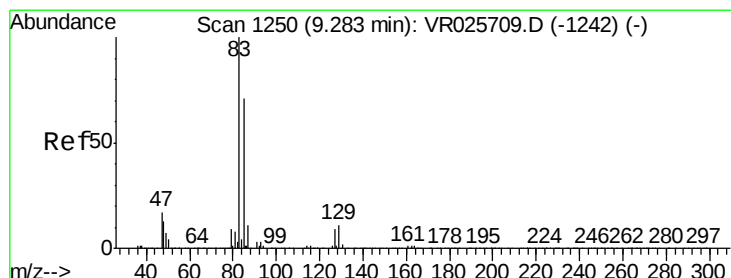
50000

0

8.90 8.95 9.00 9.05



Time-->



#38

Bromodichloromethane

Concen: 4.78 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

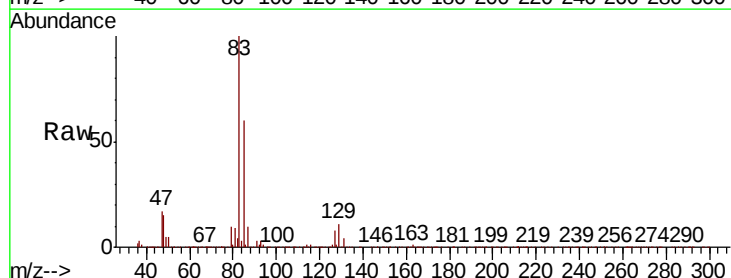
Tgt Ion: 83 Resp: 238707

Ion Ratio Lower Upper

83 100

85 59.7 48.7 90.5

127 8.0 7.5 11.3



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V

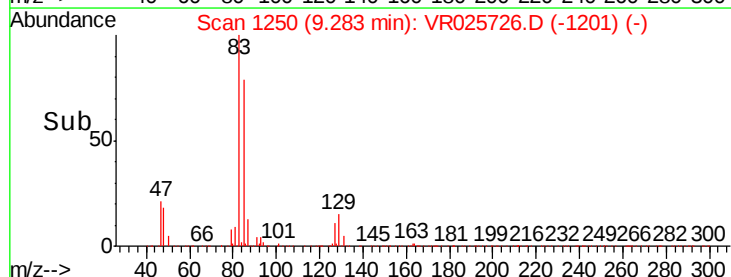
150000

100000

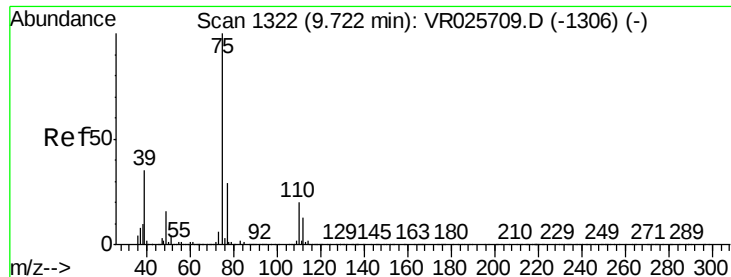
50000

0

9.20 9.25 9.30 9.35



Time-->



#39

cis-1,3-Dichloropropene

Concen: 5.07 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Instrument :

MSVOA_R

ClientSampleId :

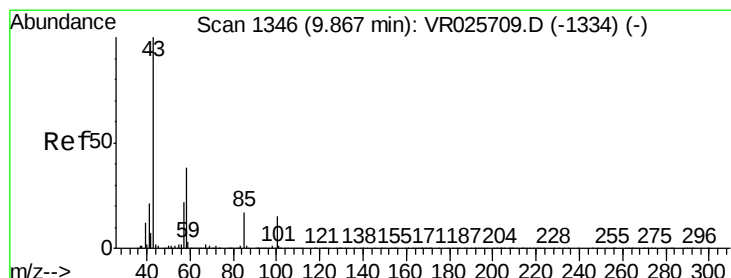
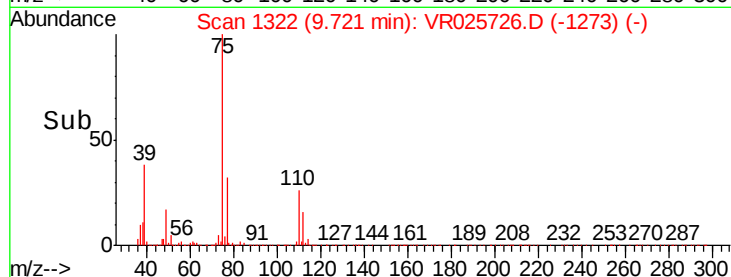
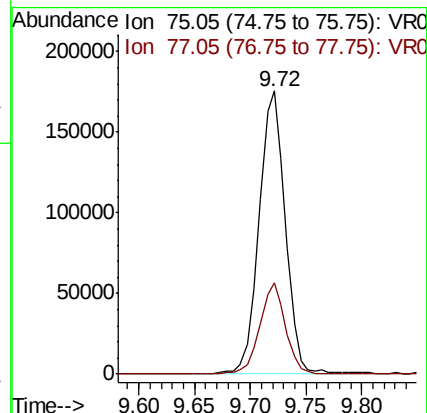
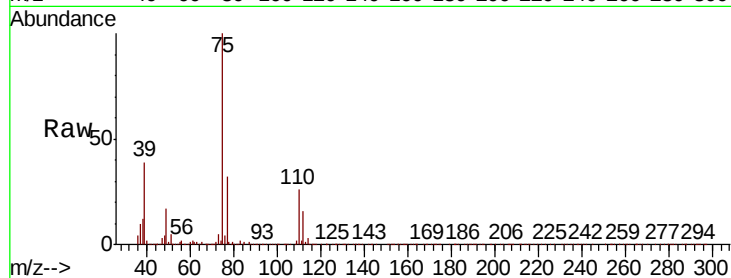
VSTD00503

Tot Ion: 75 Resp: 288147

Ion Ratio Lower Upper

75 100

77 32.4 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 50.94 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

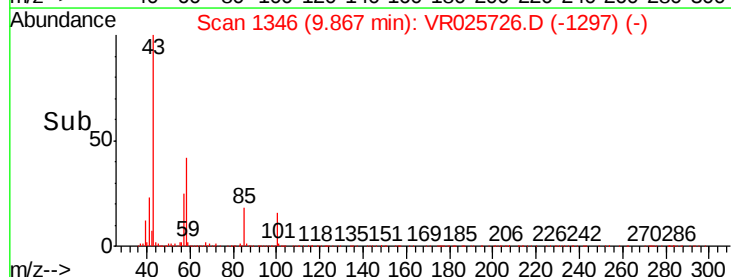
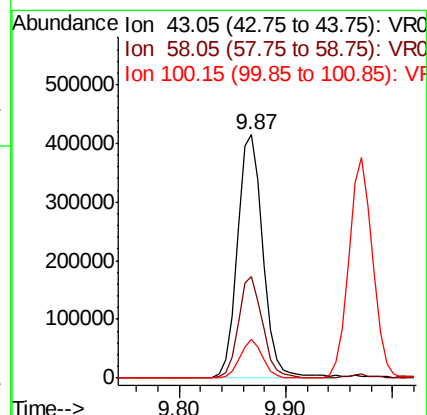
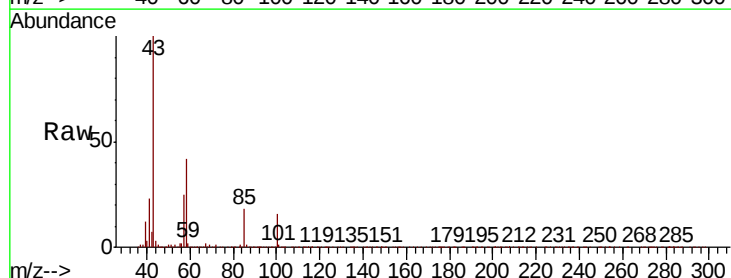
Tgt Ion: 43 Resp: 699723

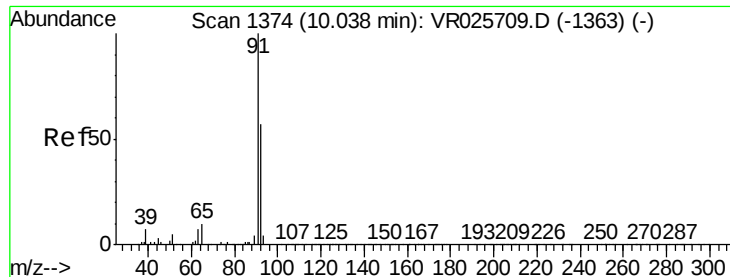
Ion Ratio Lower Upper

43 100

58 39.3 30.6 46.0

100 14.3 11.7 17.5





#42

Toluene

Concen: 5.52 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Instrument :

MSVOA_R

ClientSampleId :

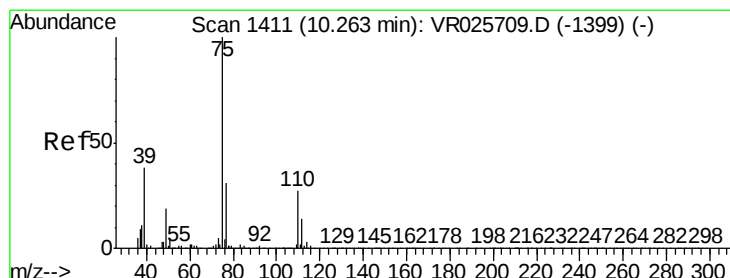
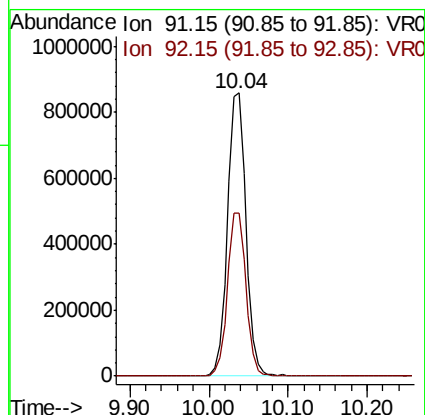
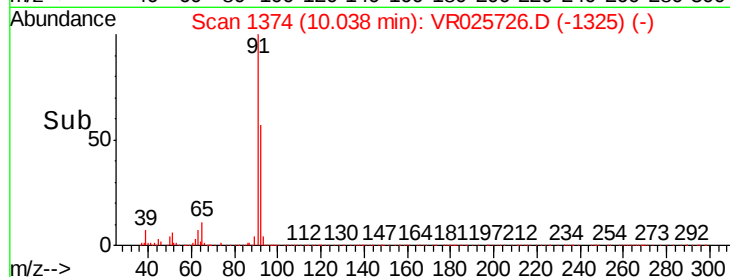
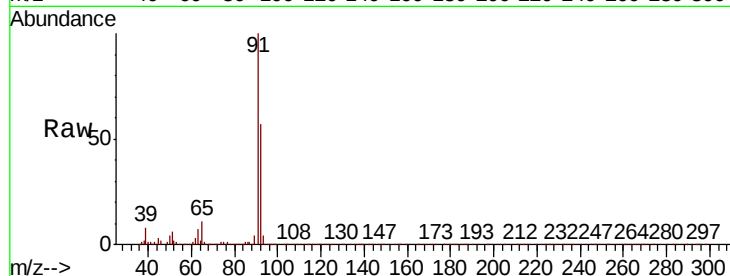
VSTD00503

Tot Ion: 91 Resp: 1392217

Ion Ratio Lower Upper

91 100

92 57.4 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 4.82 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025726.D

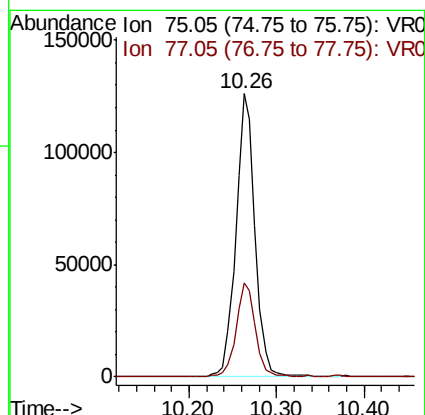
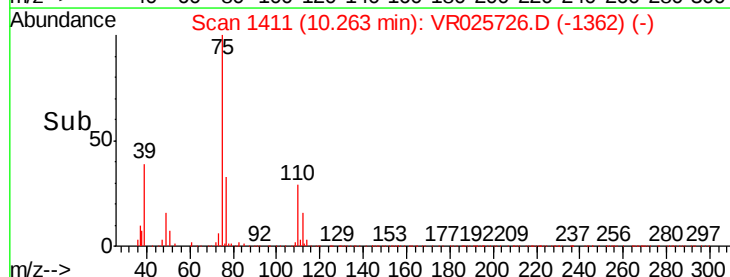
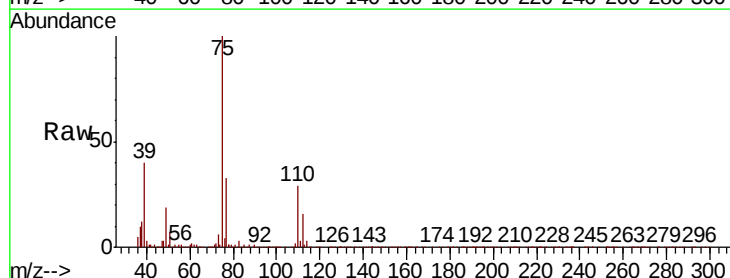
Acq: 14 Sep 2018 9:45

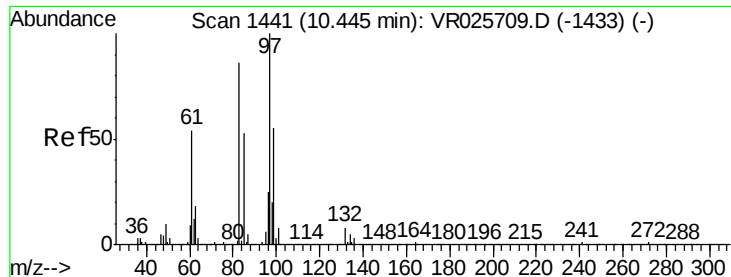
Tgt Ion: 75 Resp: 192665

Ion Ratio Lower Upper

75 100

77 33.4 20.7 38.5

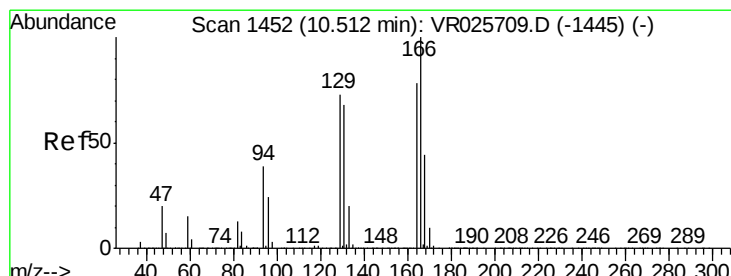
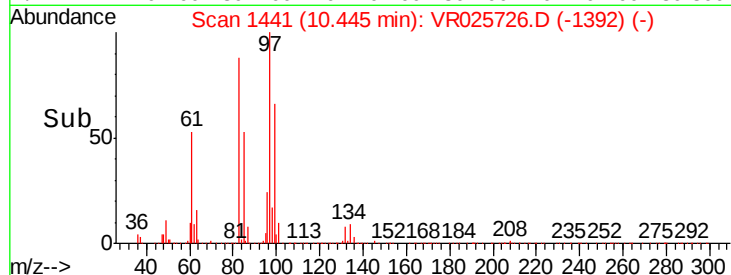
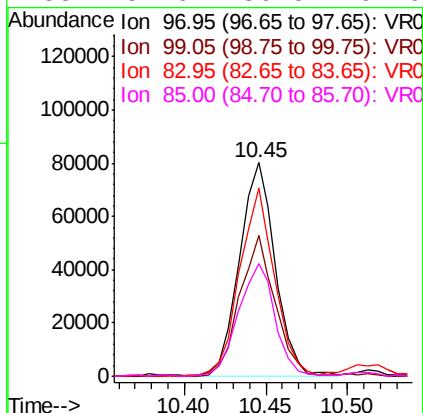
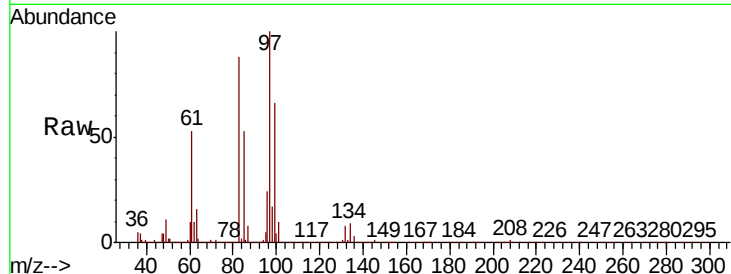




#45
 1,1,2-Trichloroethane
 Concen: 4.70 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR025726.D
 Acq: 14 Sep 2018 9:45

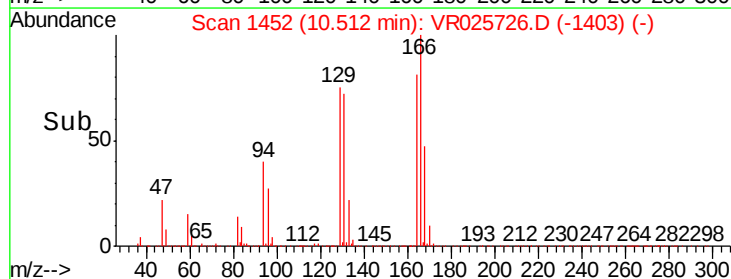
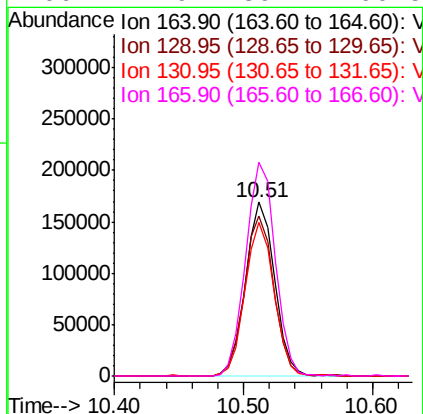
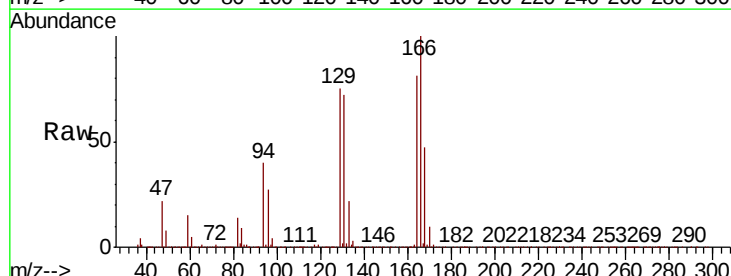
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00503

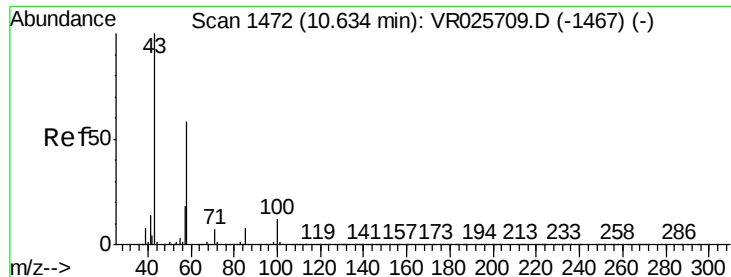
Tot Ion:	97	Resp:	122239
Ion	Ratio	Lower	Upper
97	100		
99	65.9	41.3	76.7
83	88.0	55.4	102.8
85	52.6	36.5	67.9



#47
 Tetrachloroethene
 Concen: 5.36 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR025726.D
 Acq: 14 Sep 2018 9:45

Tgt Ion:	164	Resp:	262155
Ion	Ratio	Lower	Upper
164	100		
129	91.8	65.6	121.8
131	88.1	62.2	115.4
166	122.9	89.7	166.5

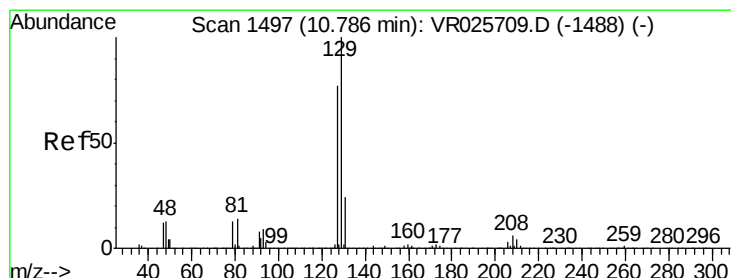
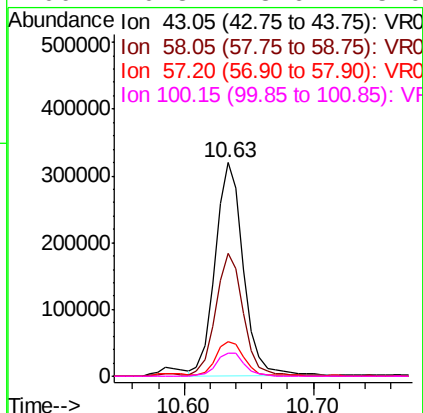
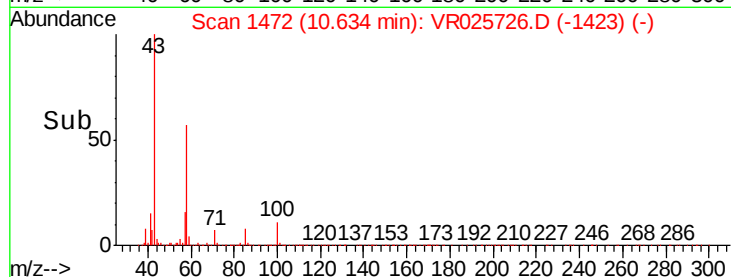
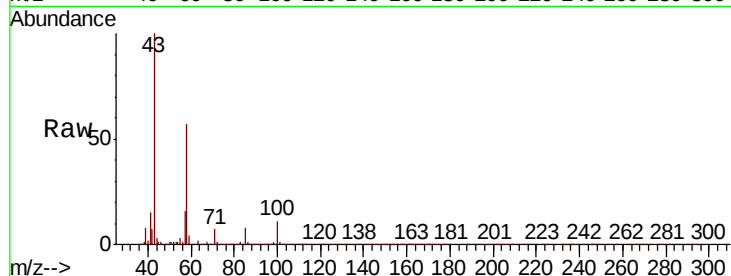




#48
2-Hexanone
Concen: 50.77 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025726.D
Acq: 14 Sep 2018 9:45

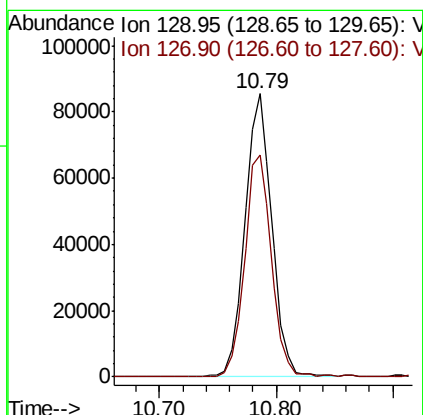
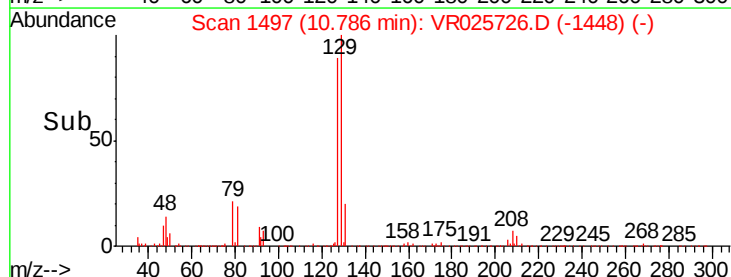
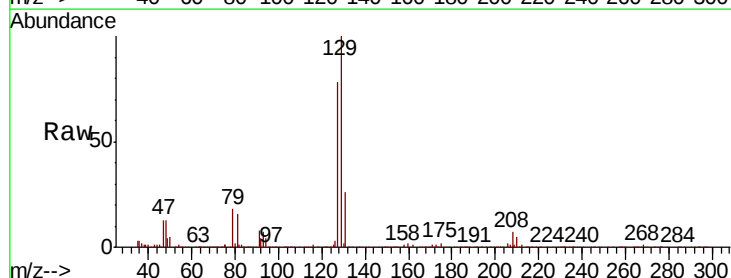
Instrument :
MSVOA_R
ClientSampleId :
VSTD00503

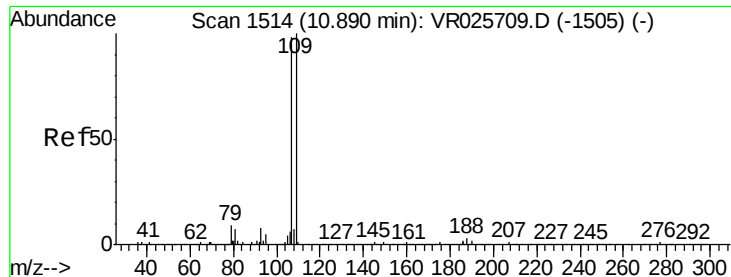
Tot Ion:	43	Resp:	489089
Ion	Ratio	Lower	Upper
43	100		
58	57.2	45.8	68.8
57	16.8	14.2	21.2
100	10.8	8.6	13.0



#49
Dibromochloromethane
Concen: 4.94 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025726.D
Acq: 14 Sep 2018 9:45

Tgt Ion:	129	Resp:	137005
Ion	Ratio	Lower	Upper
129	100		
127	78.4	54.1	100.5





#50

1,2-Dibromoethane

Concen: 4.62 ug/L

RT: 10.89 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Instrument :

MSVOA_R

ClientSampleId :

VSTD00503

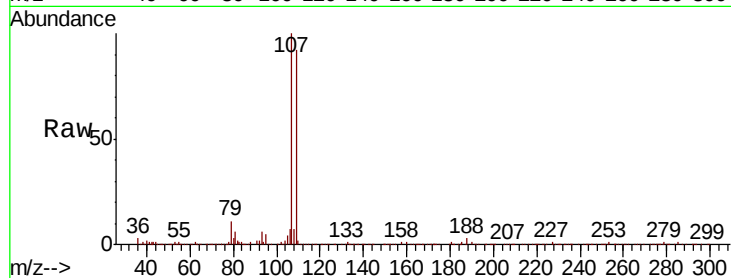
Tot Ion:107 Resp: 95512

Ion Ratio Lower Upper

107 100

109 91.7 71.3 132.5

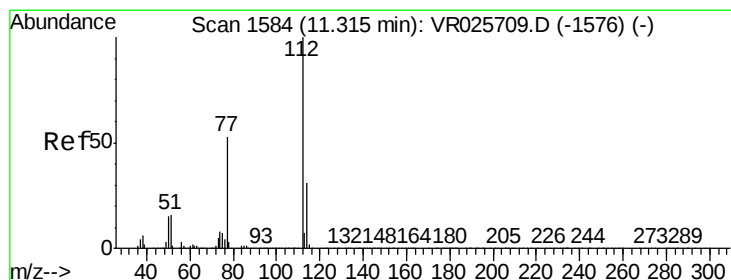
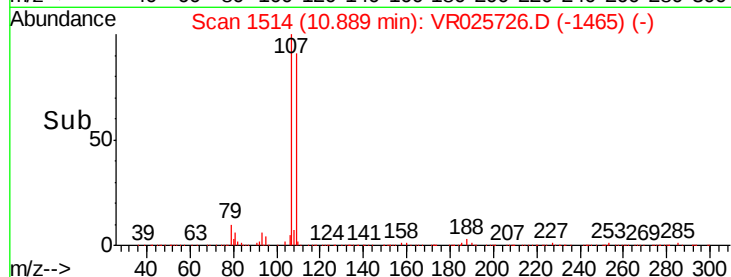
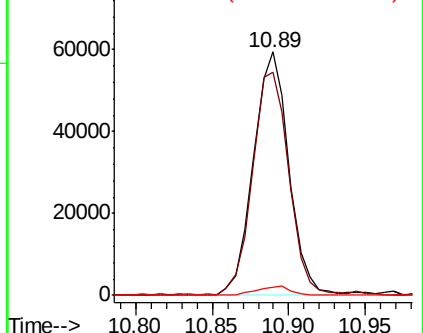
188 3.3 3.4 5.0#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.12 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

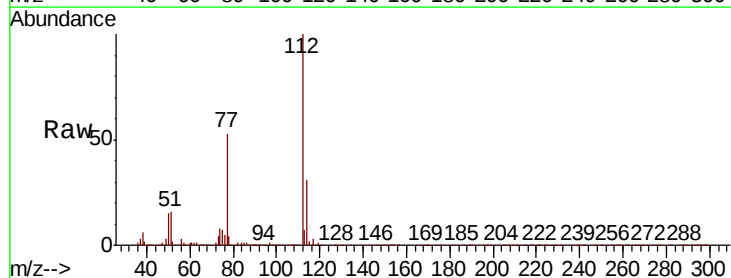
Tgt Ion:112 Resp: 812513

Ion Ratio Lower Upper

112 100

114 31.0 21.8 40.6

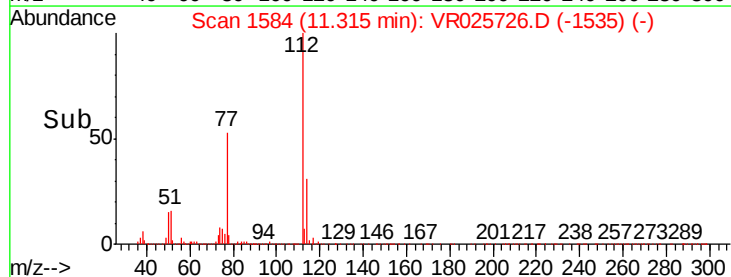
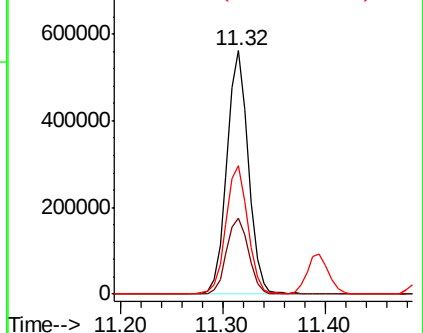
77 52.9 42.4 63.6

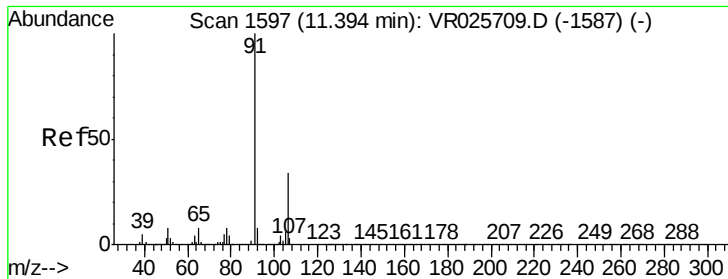


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR





#52

Ethylbenzene

Concen: 5.70 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Instrument :

MSVOA_R

ClientSampleId :

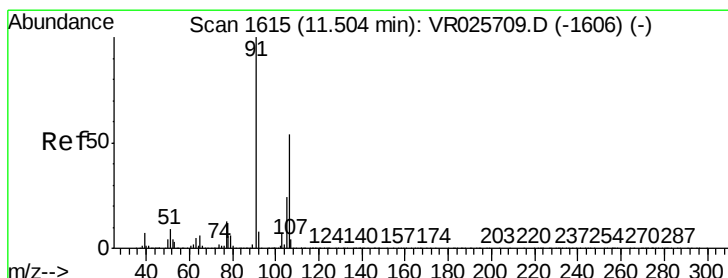
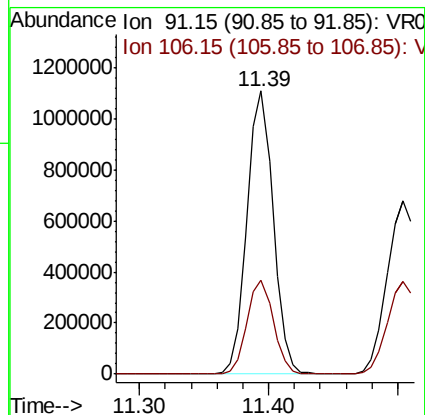
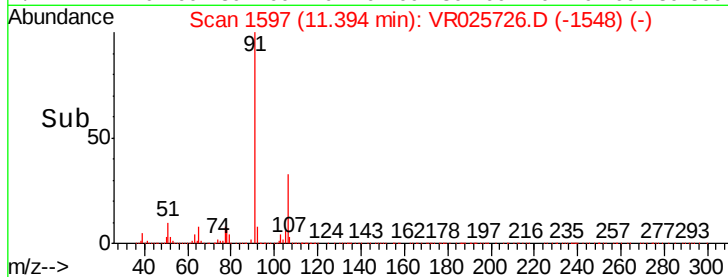
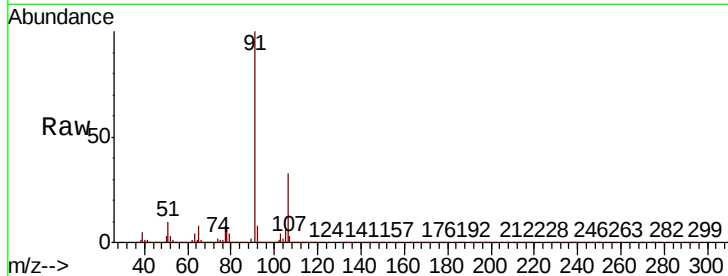
VSTD00503

Tot Ion: 91 Resp: 1549693

Ion Ratio Lower Upper

91 100

106 33.3 22.7 42.3



#53

m,p-Xylene

Concen: 5.60 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025726.D

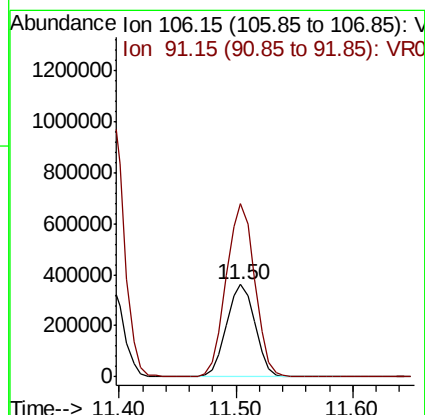
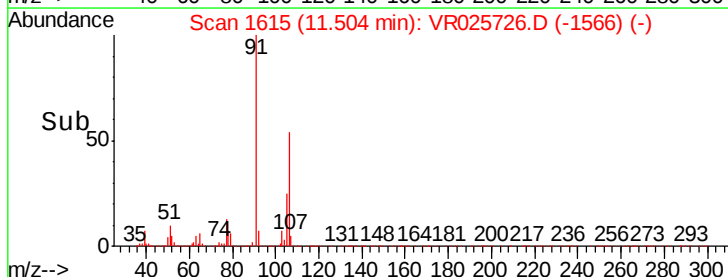
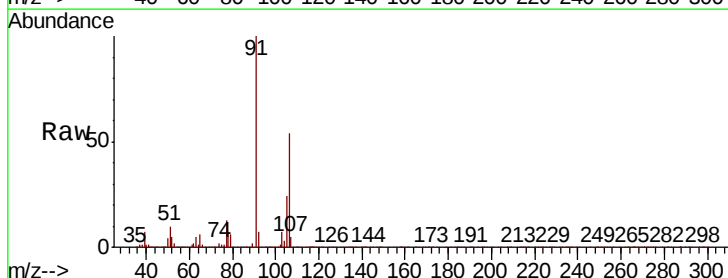
Acq: 14 Sep 2018 9:45

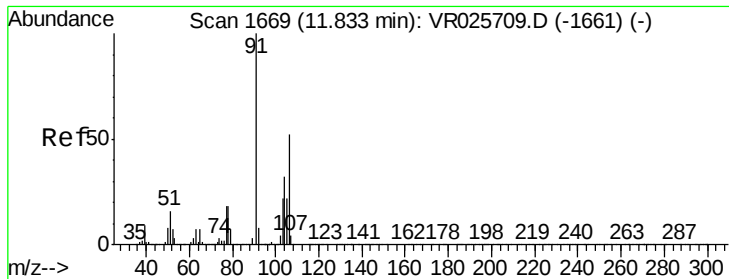
Tgt Ion: 106 Resp: 612474

Ion Ratio Lower Upper

106 100

91 186.8 128.7 238.9

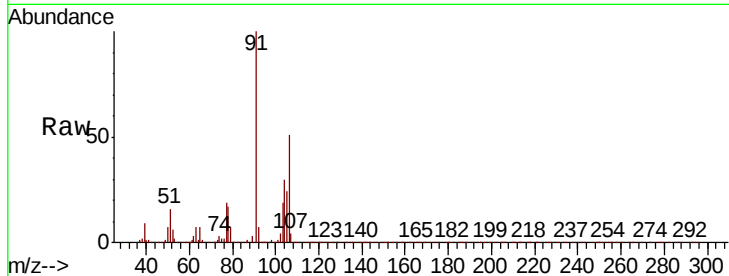




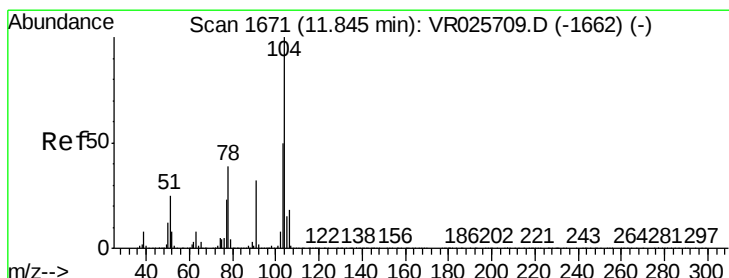
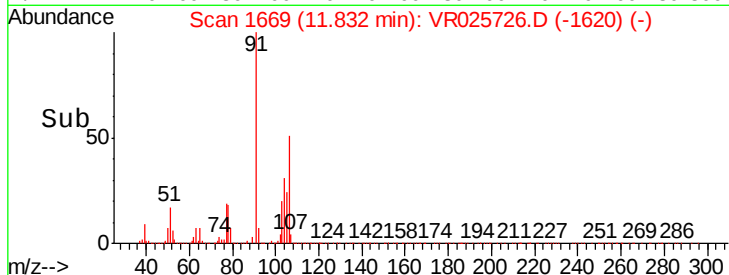
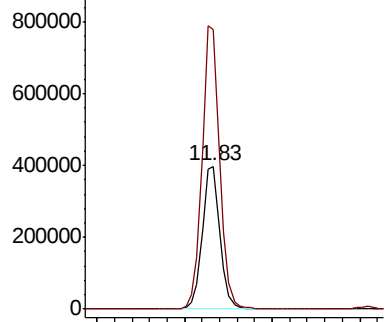
#54
o-Xylene
Concen: 5.81 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR025726.D
Acq: 14 Sep 2018 9:45

Instrument :
MSVOA_R
ClientSampleId :
VSTD00503

Tot Ion:106 Resp: 559978
Ion Ratio Lower Upper
106 100
91 195.8 139.2 258.6

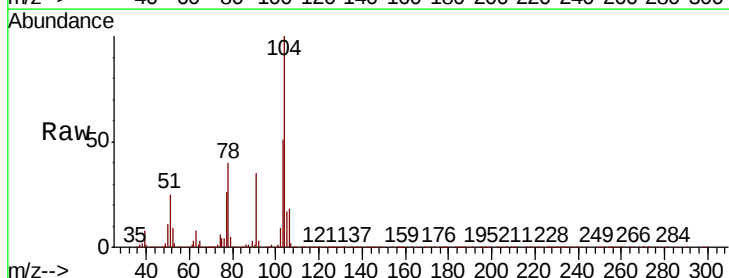


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VR0

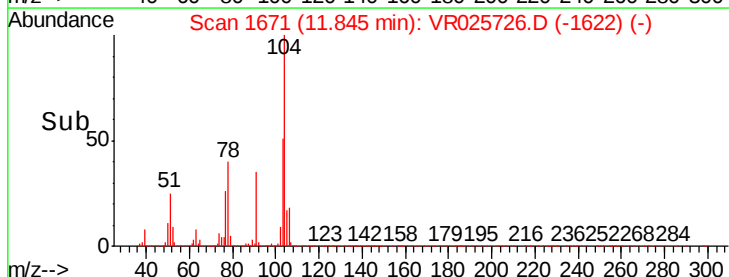
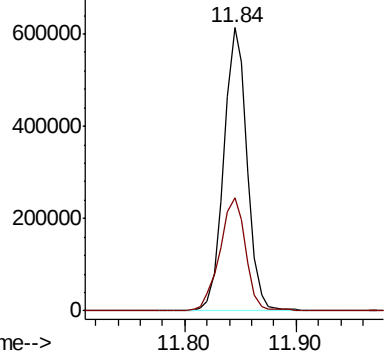


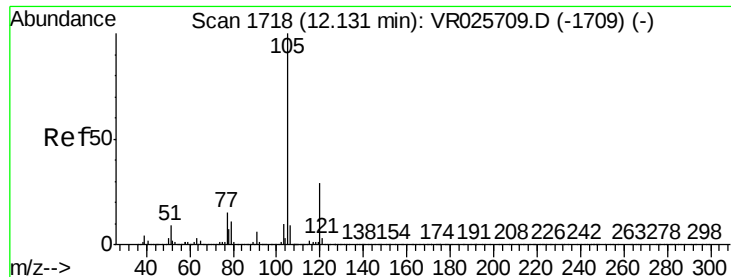
#55
Styrene
Concen: 5.74 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR025726.D
Acq: 14 Sep 2018 9:45

Tgt Ion:104 Resp: 890805
Ion Ratio Lower Upper
104 100
78 40.1 27.6 51.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 6.25 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Instrument :

MSVOA_R

ClientSampleId :

VSTD00503

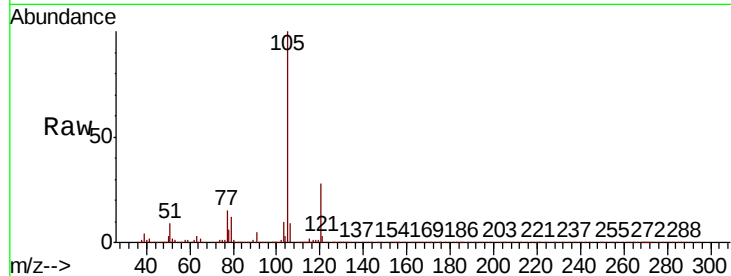
Tot Ion:105 Resp: 1500701

Ion Ratio Lower Upper

105 100

120 28.2 22.8 34.2

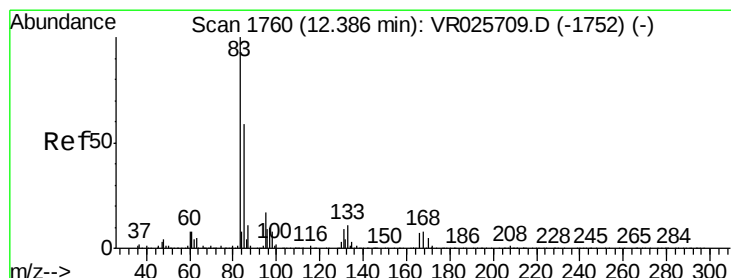
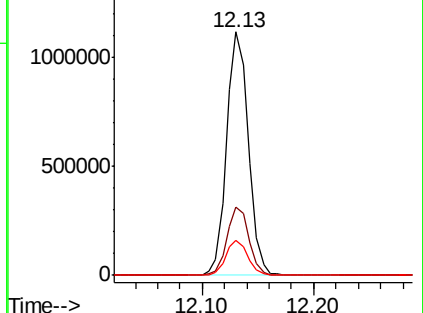
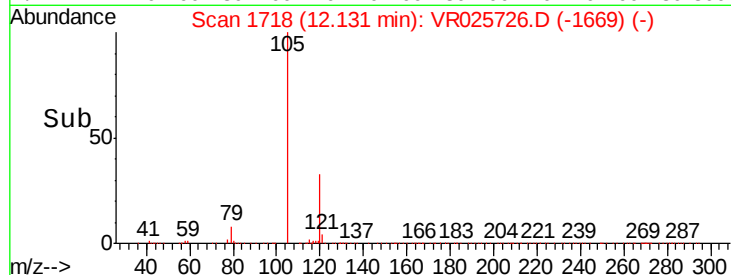
77 14.5 11.8 17.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.86 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

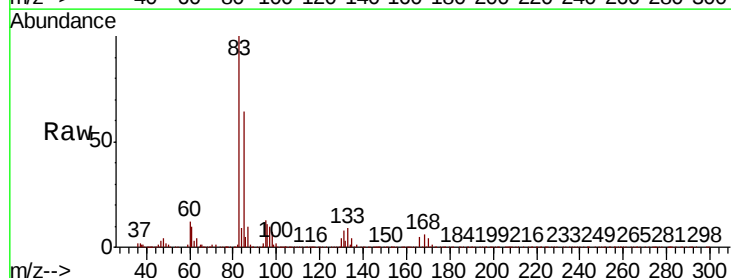
Tgt Ion: 83 Resp: 123161

Ion Ratio Lower Upper

83 100

85 64.0 47.9 88.9

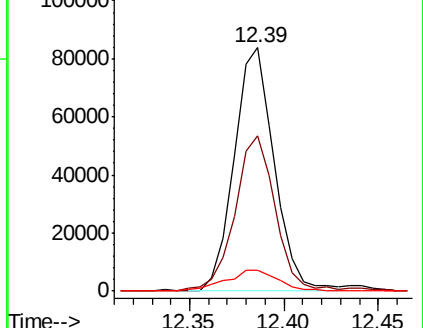
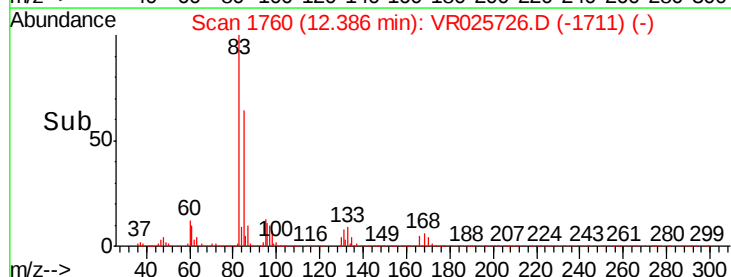
131 8.5 8.2 12.4

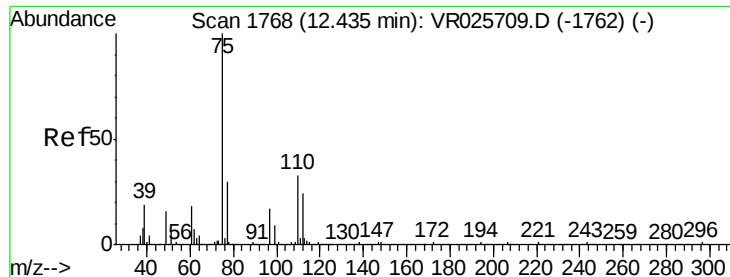


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.68 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Instrument :

MSVOA_R

ClientSampleId :

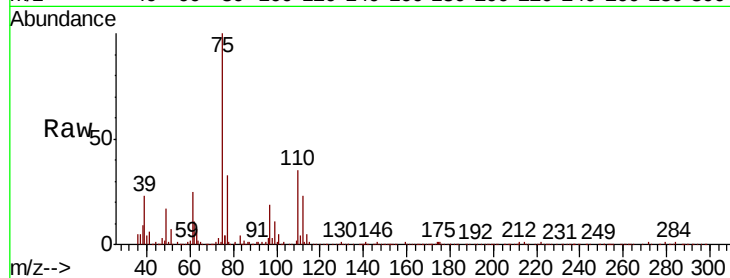
VSTD00503

Tot Ion: 75 Resp: 79745

Ion Ratio Lower Upper

75 100

77 31.4 27.8 41.8



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0

60000

50000

40000

30000

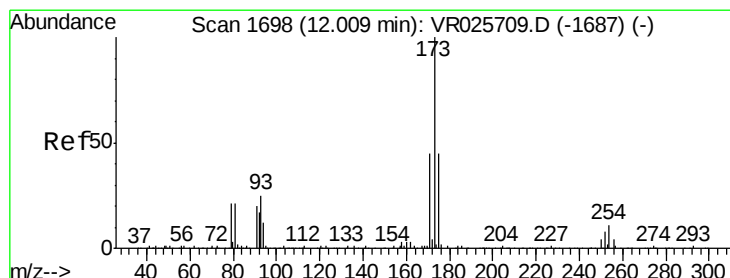
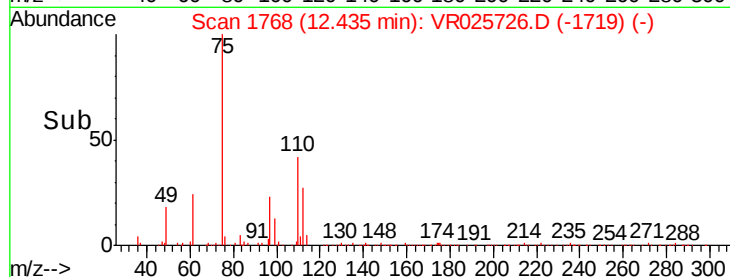
20000

10000

0

12.40 12.45 12.50

Time-->



#61

Bromoform

Concen: 4.26 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

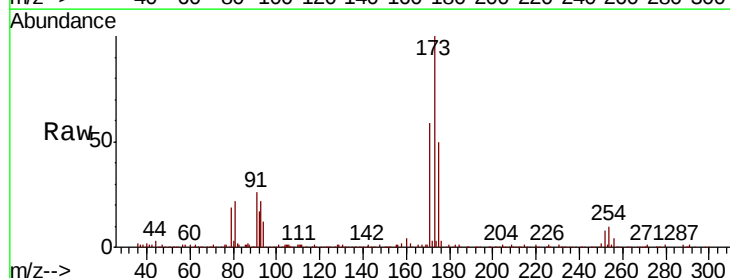
Tgt Ion: 173 Resp: 54483

Ion Ratio Lower Upper

173 100

175 46.4 41.9 62.9

254 10.2 7.3 10.9



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

40000

30000

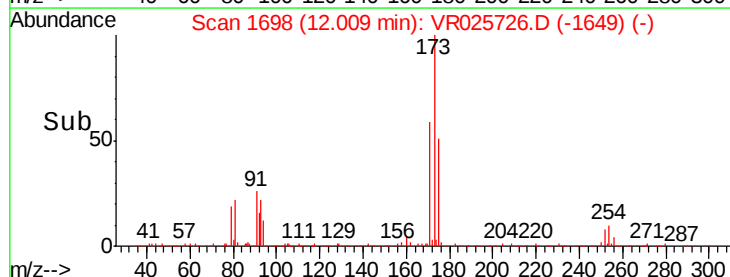
20000

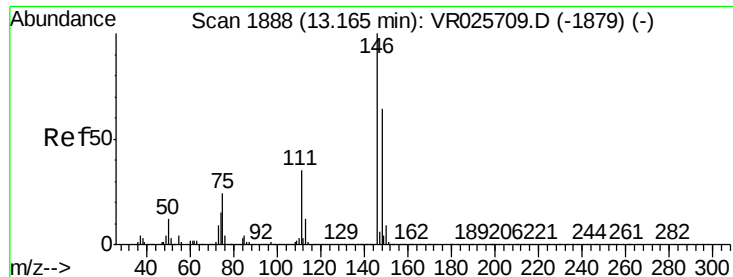
10000

0

11.90 12.00

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.03 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Instrument :

MSVOA_R

ClientSampleId :

VSTD00503

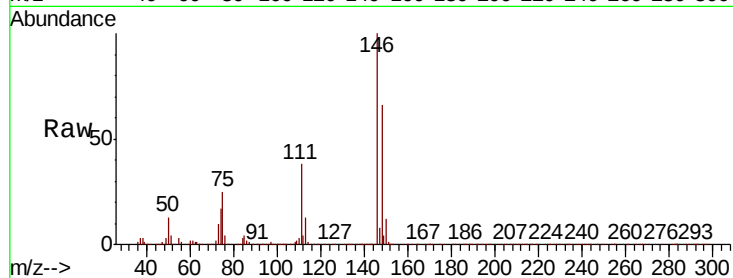
Tot Ion:146 Resp: 470128

Ion Ratio Lower Upper

146 100

111 38.2 25.4 47.2

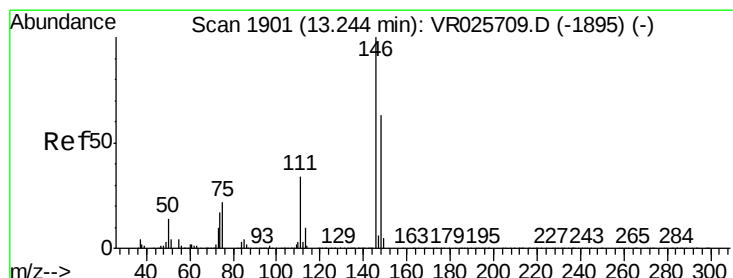
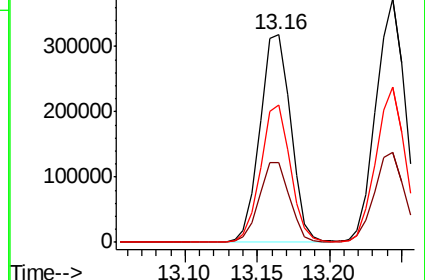
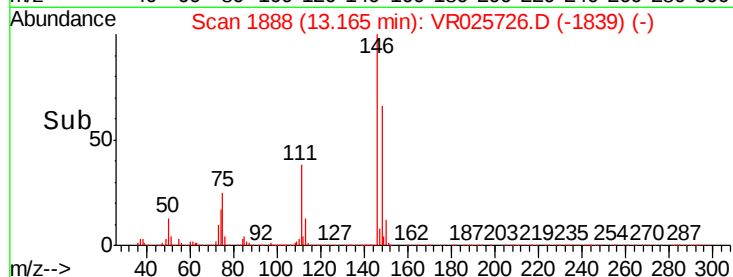
148 66.2 46.9 87.1



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: 4.96 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

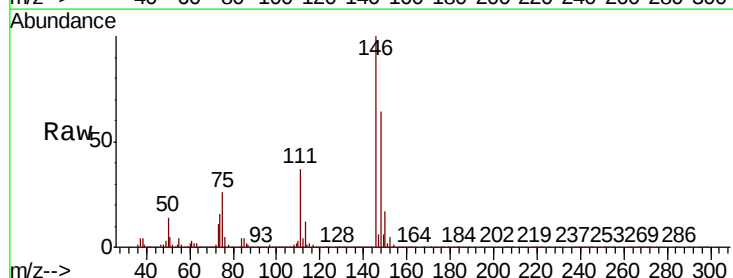
Tgt Ion:146 Resp: 526492

Ion Ratio Lower Upper

146 100

111 37.2 26.2 48.6

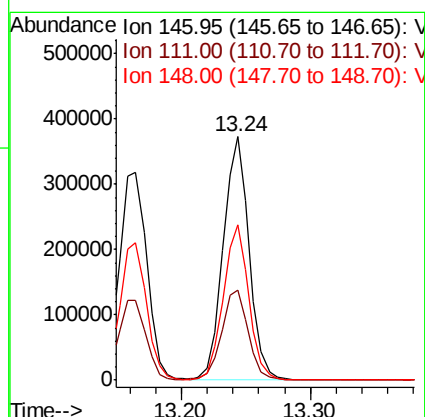
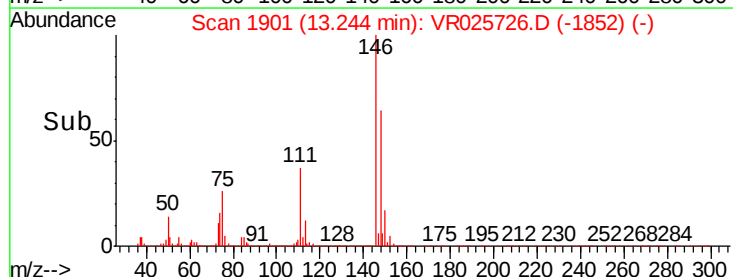
148 63.7 42.7 79.3

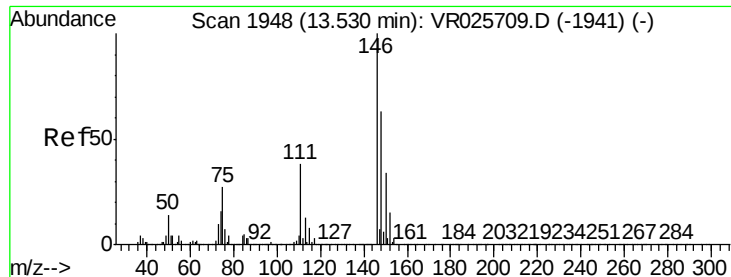


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

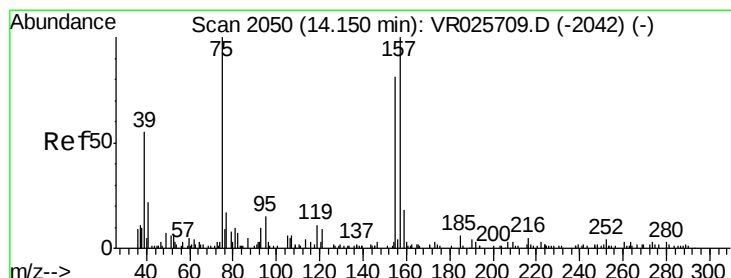
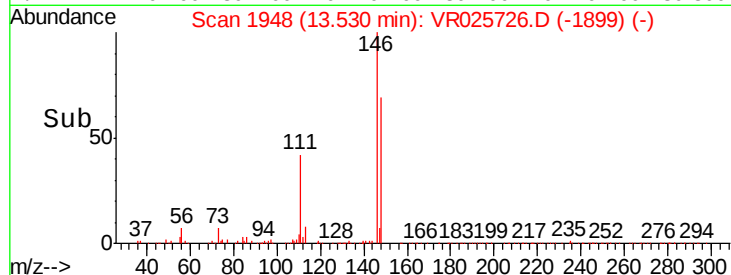
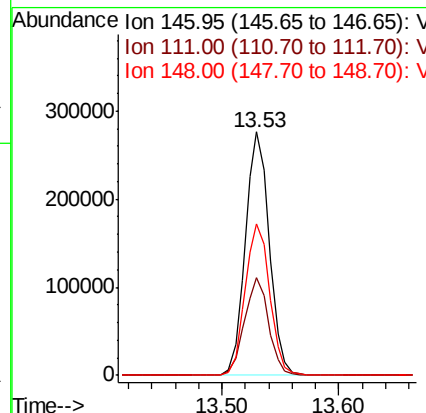
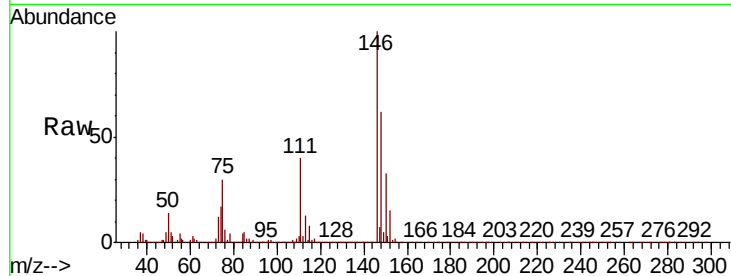




#65
 1,2-Dichlorobenzene
 Concen: 4.93 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR025726.D
 Acq: 14 Sep 2018 9:45

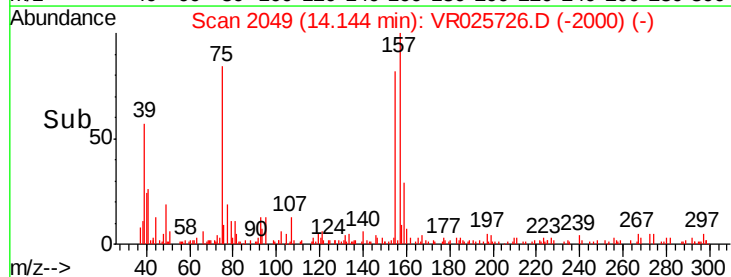
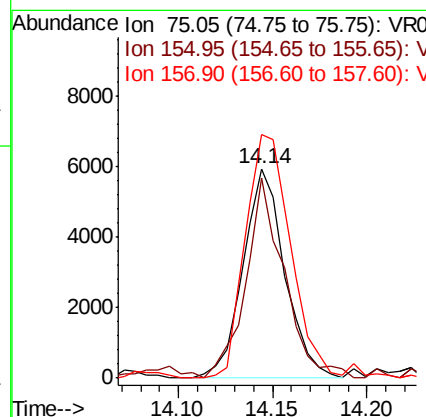
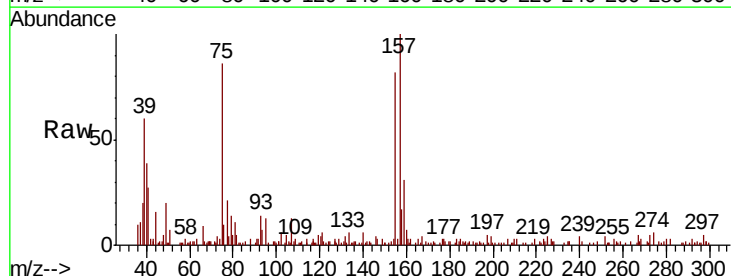
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00503

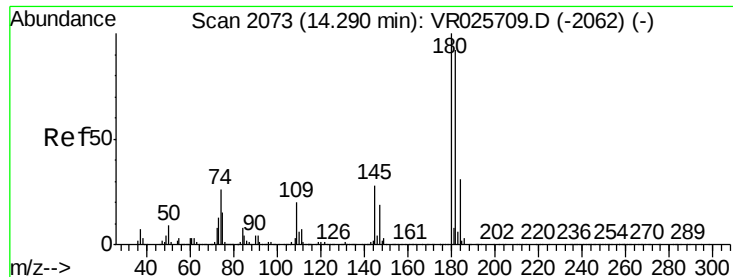
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	35.2	52.8
148	62.4	52.1	78.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.84 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR025726.D
 Acq: 14 Sep 2018 9:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	79.3	118.9
157	116.5	81.4	122.2

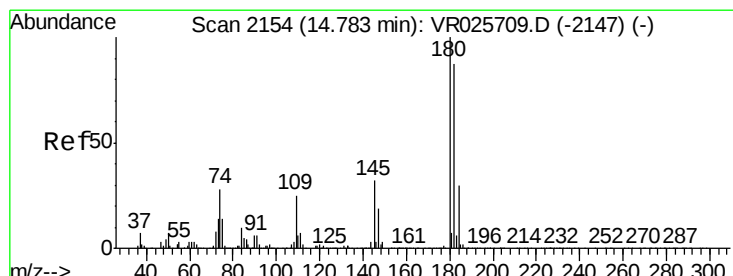
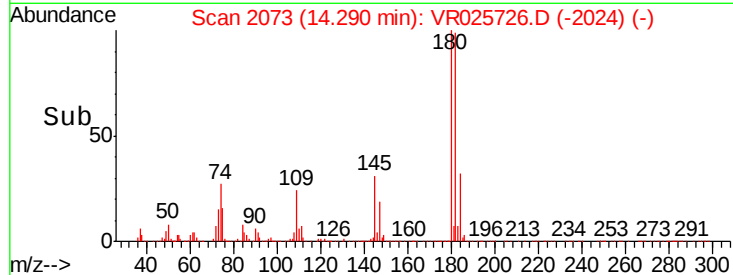
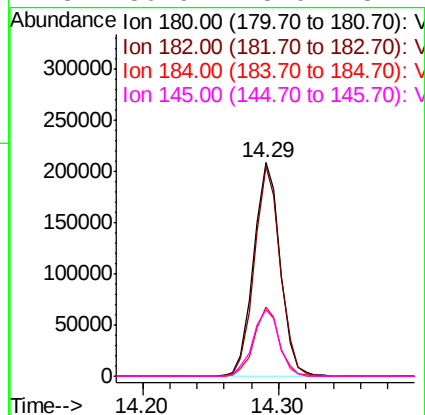
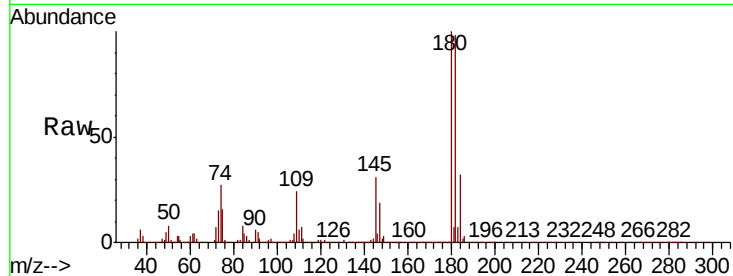




#67
 1,3,5-Trichlorobenzene
 Concen: 5.16 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025726.D
 Acq: 14 Sep 2018 9:45

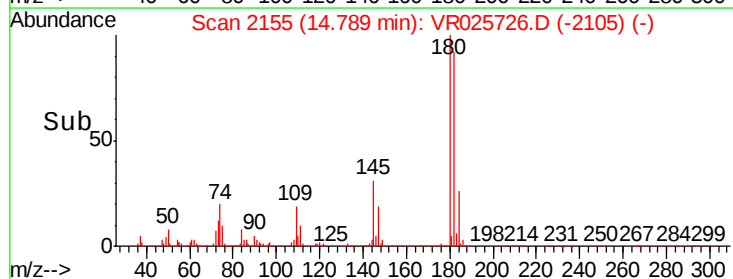
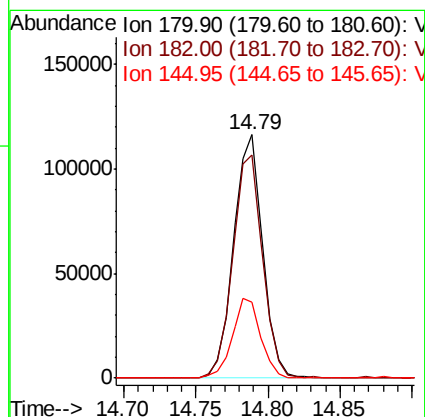
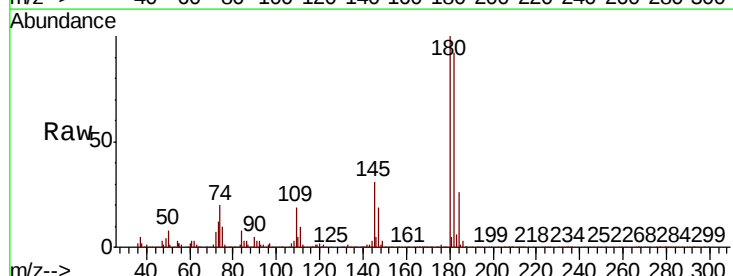
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00503

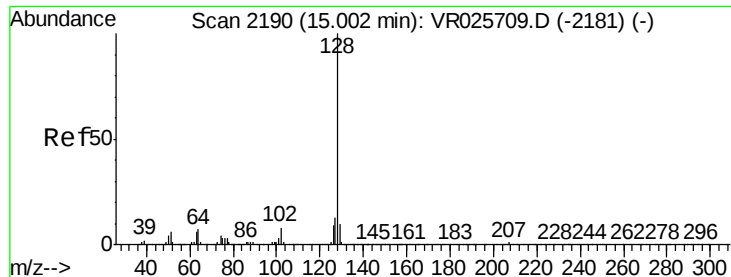
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.9	113.9
184	30.8	24.0	36.0
145	30.9	23.0	34.4



#68
 1,2,4-trichlorobenzene
 Concen: 4.79 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR025726.D
 Acq: 14 Sep 2018 9:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.6	115.0
145	32.2	24.8	37.2





#69

Naphthalene

Concen: 4.25 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

Instrument :

MSVOA_R

ClientSampleId :

VSTD00503

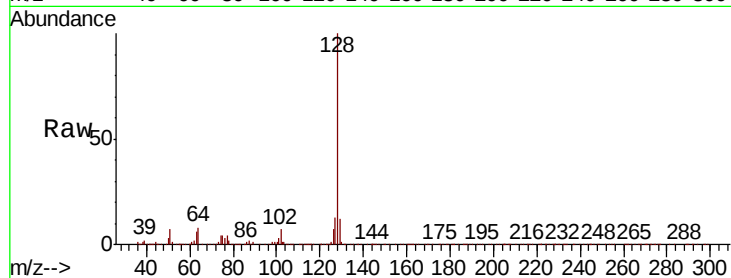
Tot Ion:128 Resp: 162065

Ion Ratio Lower Upper

128 100

127 13.9 10.3 15.5

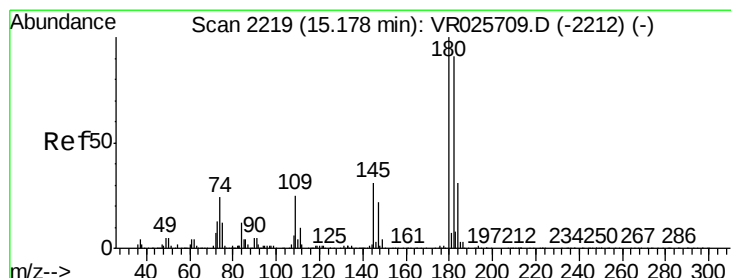
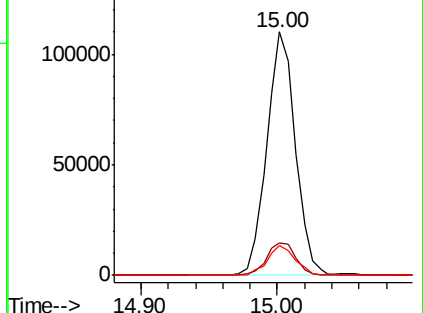
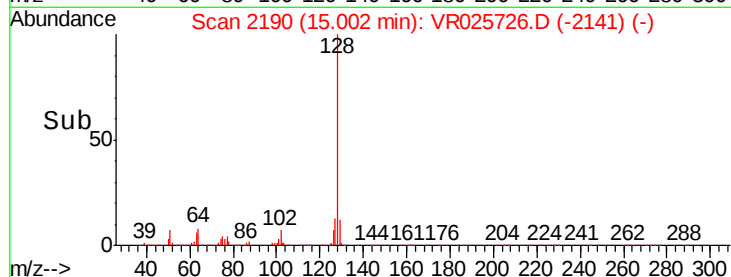
129 12.1 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.80 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025726.D

Acq: 14 Sep 2018 9:45

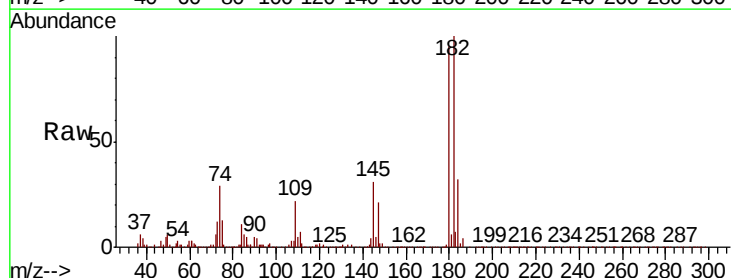
Tgt Ion:180 Resp: 129368

Ion Ratio Lower Upper

180 100

182 99.0 80.2 120.4

145 31.8 25.8 38.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

