

Data File : VR026142.D
Acq On : 19 Oct 2018 10:13
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00596

Quant Time: Oct 20 01:50:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 19 04:39:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	679661	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	567783	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	222515	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	217957	3.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.20%
7) Chloroethane-d5	2.62	69	220642	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	3.61	63	582571	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	6.58	46	227726	46.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.26%
24) Chloroform-d	7.20	84	408862	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	7.90	65	163750	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
32) Benzene-d6	7.85	84	767651	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
36) 1,2-Dichloropropane-d6	8.89	67	208176	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	9.97	98	705556	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	10.23	79	49980	4.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.00%
46) 2-Hexanone-d5	10.59	63	183793	51.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.04%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	86888	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	148779	4.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	190572	4.174 ug/L	94
3) Chloromethane	2.01	50	318950	4.400 ug/L	97
5) Vinyl chloride	2.16	62	322994	4.472 ug/L	94
6) Bromomethane	2.52	94	218717	4.585 ug/L	100
8) Chloroethane	2.66	64	209405	4.679 ug/L	98
9) Trichlorofluoromethane	2.94	101	513337	4.924 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	293737	4.726 ug/L	97
12) 1,1-Dichloroethene	3.63	96	310644	4.700 ug/L	81
13) Acetone	3.70	43	222623	44.098 ug/L	98
14) Carbon disulfide	3.93	76	891406	5.159 ug/L	99
15) Methyl Acetate	4.19	43	55667	4.221 ug/L	95
16) Methylene chloride	4.40	84	249502	4.163 ug/L	95
17) Methyl tert-butyl Ether	4.89	73	238516	3.975 ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	219084	4.383 ug/L	95
19) 1,1-Dichloroethane	5.69	63	416321	4.436 ug/L	97
21) 2-Butanone	6.69	43	243284	41.773 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	215082	4.549 ug/L #	100

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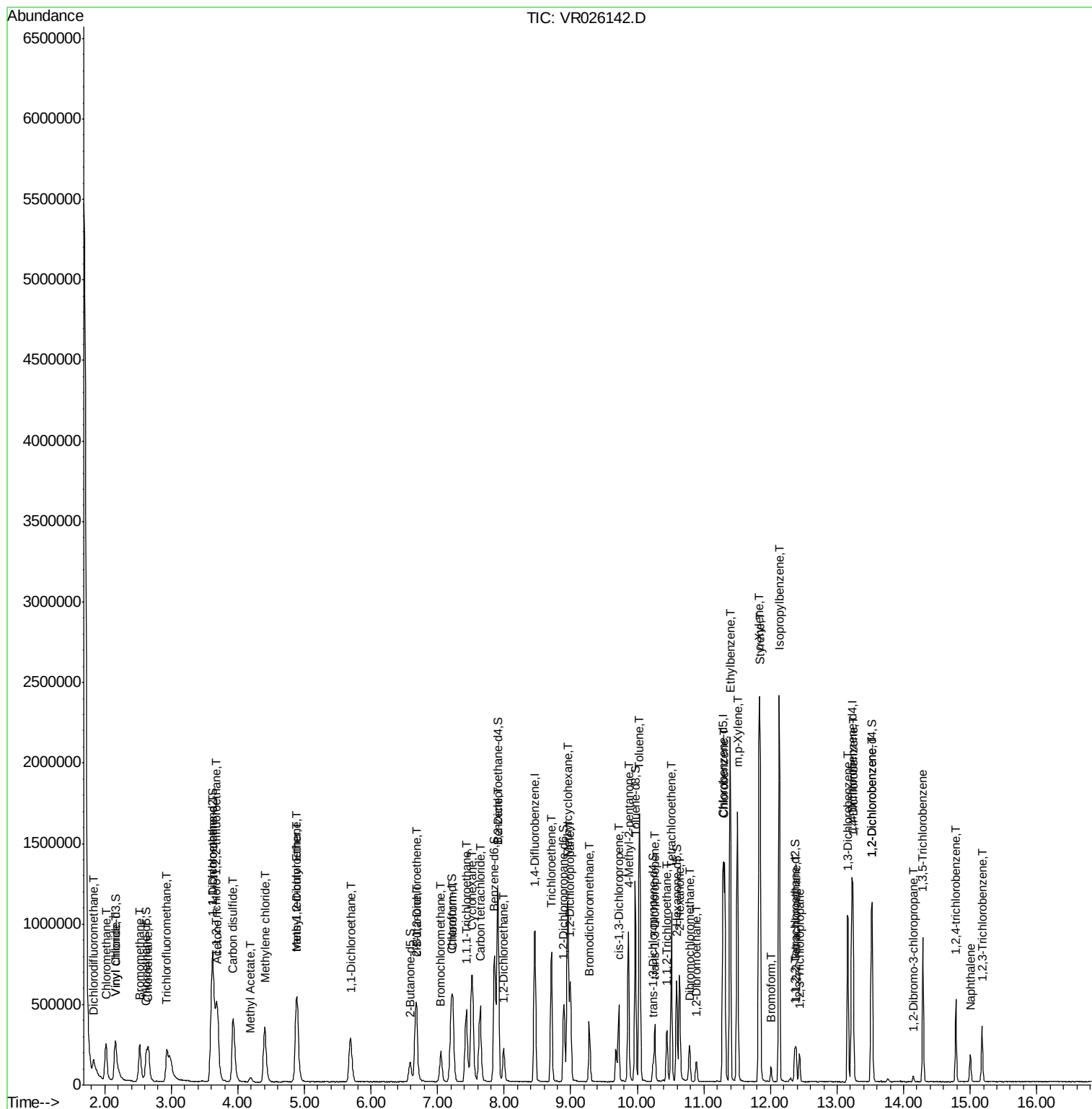
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	59505	4.487	ug/L	96
25) Chloroform	7.23	83	407771	4.452	ug/L	97
27) 1,2-Dichloroethane	7.99	62	187108	4.174	ug/L	96
29) 1,1,1-Trichloroethane	7.43	97	368653	4.752	ug/L	99
30) Cyclohexane	7.52	56	398758	5.120	ug/L	99
31) Carbon tetrachloride	7.63	117	334314	4.739	ug/L	97
33) Benzene	7.91	78	988349	4.639	ug/L	100
34) Trichloroethene	8.71	95	253974	4.658	ug/L	98
35) Methylcyclohexane	8.95	83	407294	5.017	ug/L	98
37) 1,2-Dichloropropane	8.99	63	209258	4.655	ug/L	100
38) Bromodichloromethane	9.28	83	223839	4.631	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	233519	4.539	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	599102	43.644	ug/L	99
42) Toluene	10.03	91	1083028	4.817	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	160701	4.471	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	84689	4.467	ug/L	95
47) Tetrachloroethene	10.51	164	178591	4.586	ug/L	97
48) 2-Hexanone	10.63	43	397507	44.337	ug/L	99
49) Dibromochloromethane	10.79	129	98198	4.602	ug/L	96
50) 1,2-Dibromoethane	10.89	107	69062	4.216	ug/L #	84
51) Chlorobenzene	11.32	112	568011	4.563	ug/L	98
52) Ethylbenzene	11.39	91	1282153	4.959	ug/L	100
53) m,p-Xylene	11.50	106	461411	4.898	ug/L	98
54) o-Xylene	11.83	106	419262	4.854	ug/L	98
55) Styrene	11.84	104	636960	4.791	ug/L	98
56) Isopropylbenzene	12.13	105	1226655	5.114	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	81639	4.237	ug/L	96
59) 1,2,3-Trichloropropane	12.43	75	61459	4.344	ug/L	99
61) Bromoform	12.01	173	30874	3.992	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	329557	4.458	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	342382	4.472	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	258727	4.361	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	7887	3.263	ug/L #	85
67) 1,3,5-Trichlorobenzene	14.29	180	199452	4.428	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	114601	4.359	ug/L	98
69) Naphthalene	15.00	128	110905	4.344	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	78001	4.272	ug/L	100

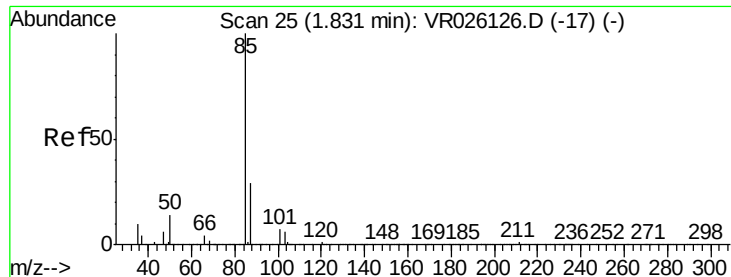
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.174 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

Instrument :

MSVOA_R

ClientSampleId :

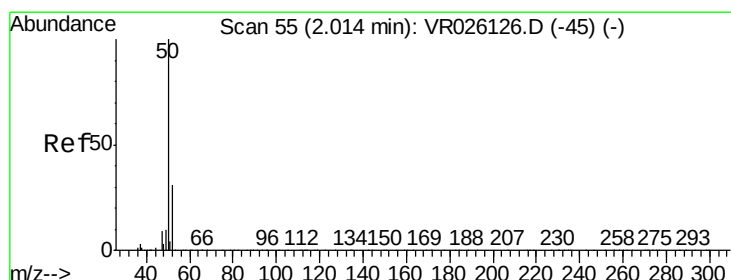
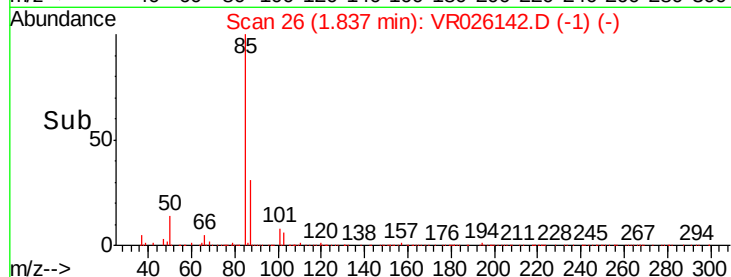
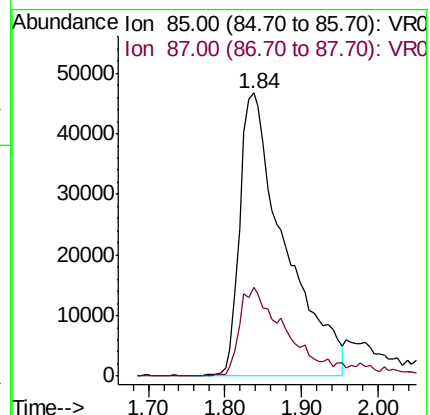
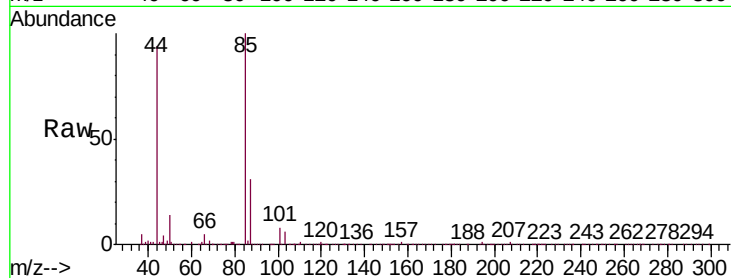
VSTD00596

Tgt Ion: 85 Resp: 190572

Ion Ratio Lower Upper

85 100

87 32.7 23.4 35.2



#3

Chloromethane

Concen: 4.400 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR026142.D

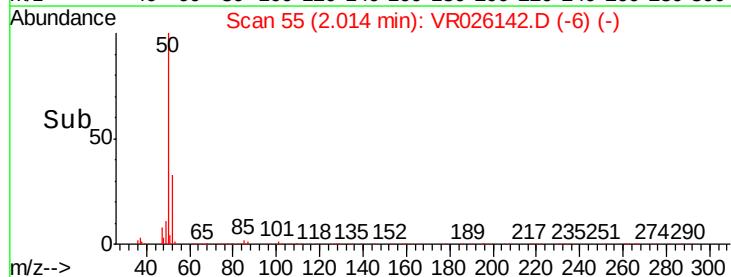
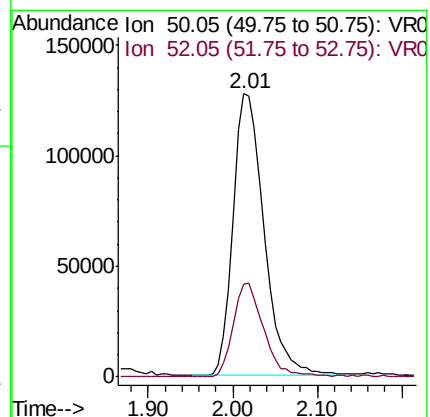
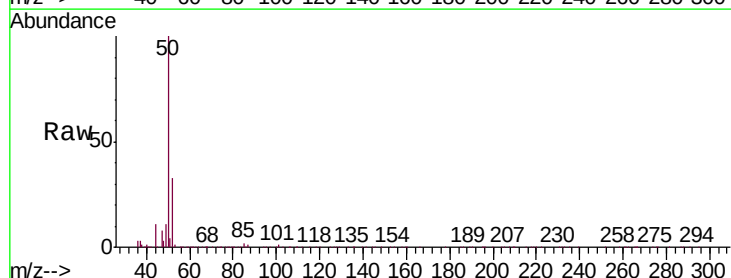
Acq: 19 Oct 2018 10:13

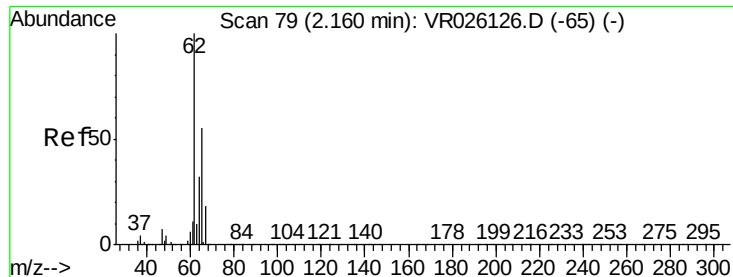
Tgt Ion: 50 Resp: 318950

Ion Ratio Lower Upper

50 100

52 32.9 22.0 40.8





#5

Vinyl chloride

Concen: 4.472 ug/L

RT: 2.16 min Scan# 79

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

Instrument :

MSVOA_R

ClientSampleId :

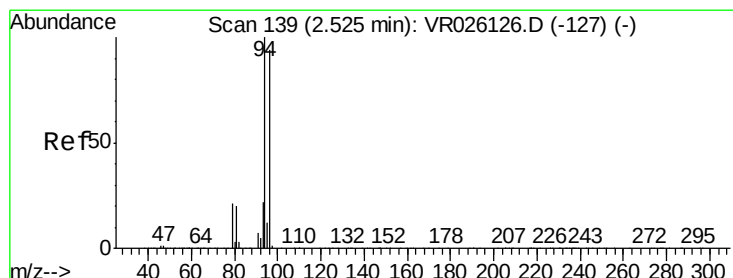
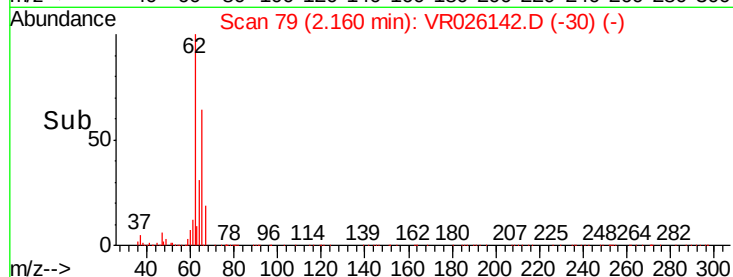
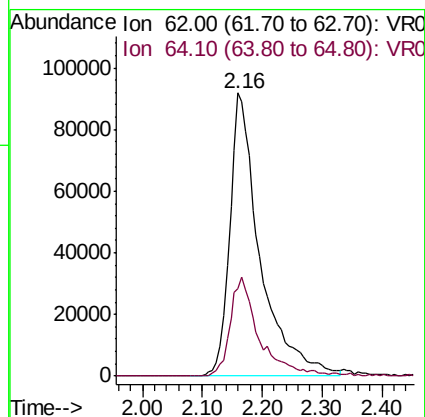
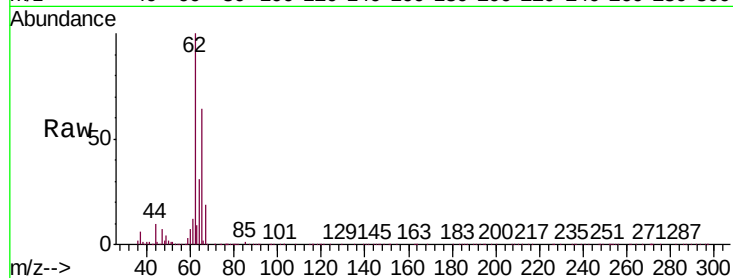
VSTD00596

Tgt Ion: 62 Resp: 322994

Ion Ratio Lower Upper

62 100

64 30.8 23.9 44.3



#6

Bromomethane

Concen: 4.585 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR026142.D

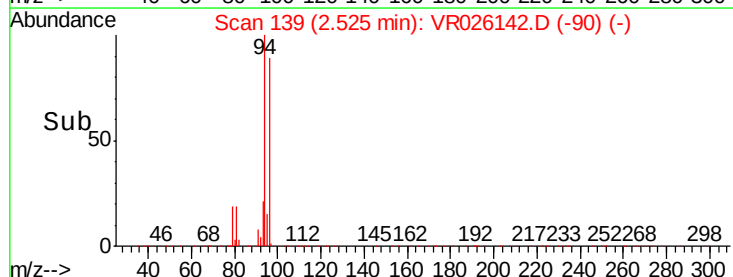
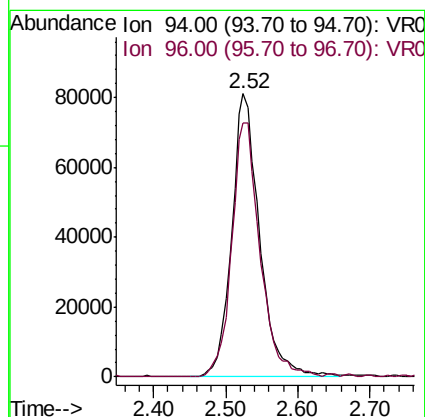
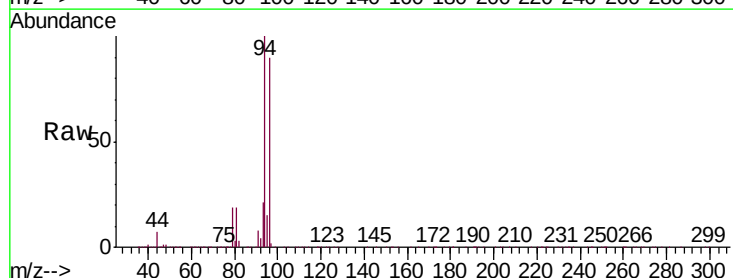
Acq: 19 Oct 2018 10:13

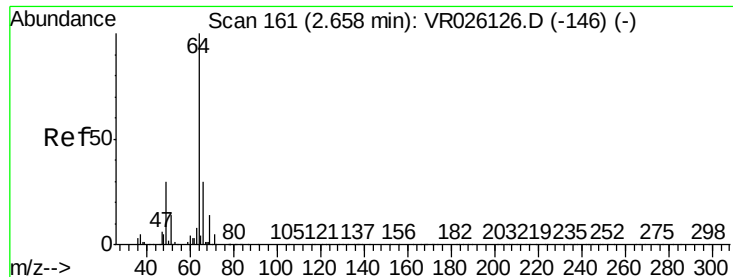
Tgt Ion: 94 Resp: 218717

Ion Ratio Lower Upper

94 100

96 89.6 62.5 116.1

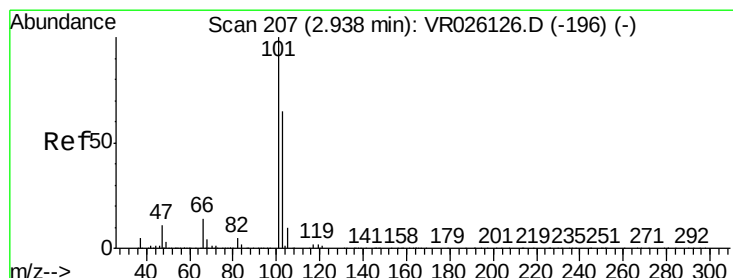
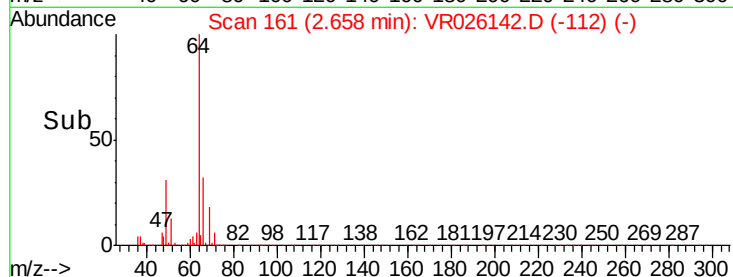
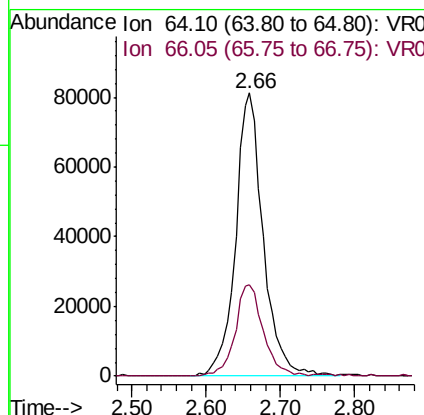
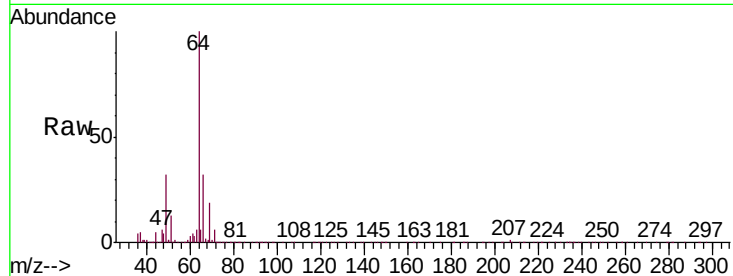




#8
Chloroethane
Concen: 4.679 ug/L
RT: 2.66 min Scan# 161
Delta R.T. 0.00 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

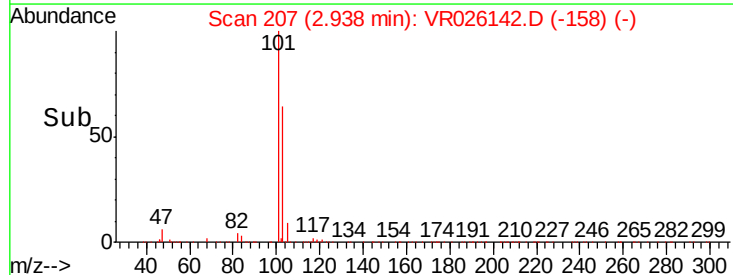
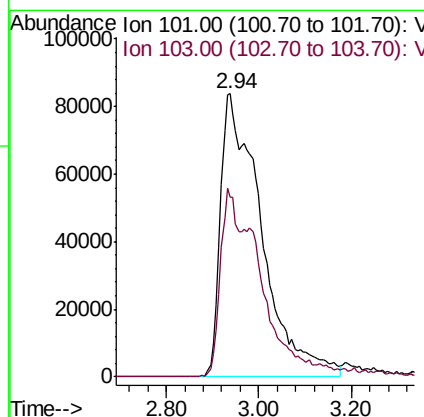
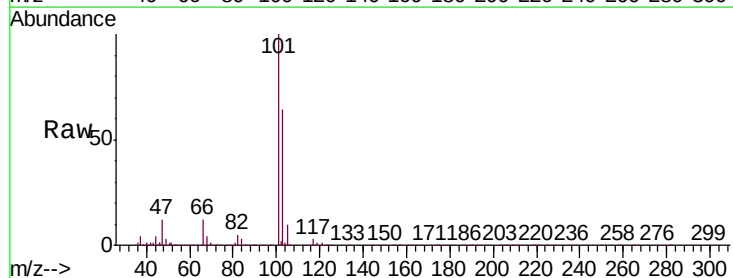
Instrument :
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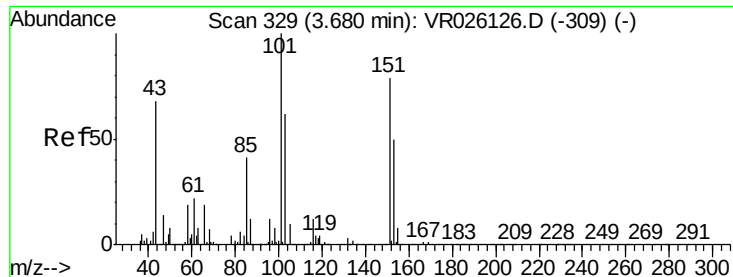
Tgt Ion: 64 Resp: 209405
Ion Ratio Lower Upper
64 100
66 32.4 22.0 40.8



#9
Trichlorofluoromethane
Concen: 4.924 ug/L
RT: 2.94 min Scan# 207
Delta R.T. 0.00 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

Tgt Ion: 101 Resp: 513337
Ion Ratio Lower Upper
101 100
103 30.5 26.0 39.0





#10

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

Concen: 4.726 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD00596

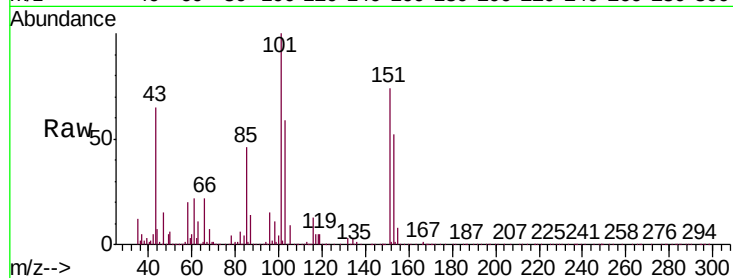
Tgt Ion:101 Resp: 293737

Ion Ratio Lower Upper

101 100

85 47.7 37.8 56.8

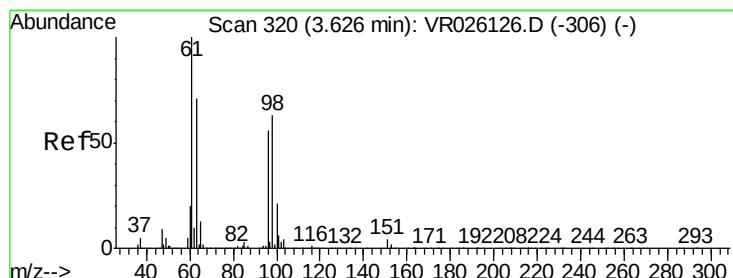
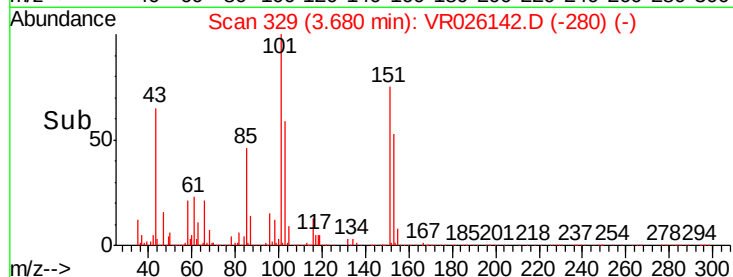
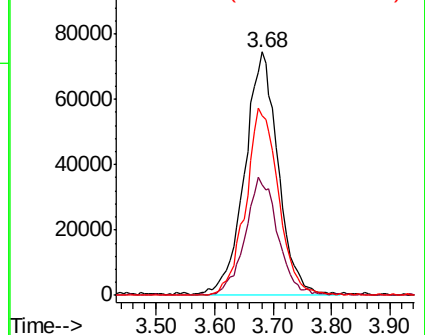
151 74.8 63.2 94.8



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: 4.700 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

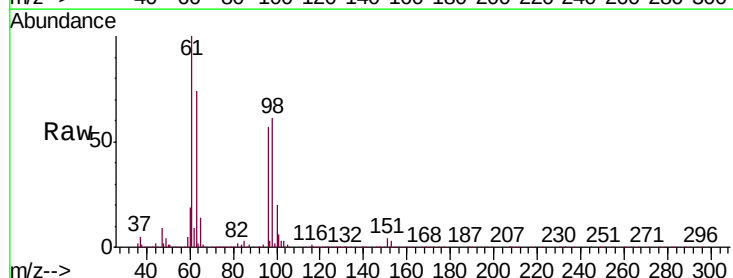
Tgt Ion: 96 Resp: 310644

Ion Ratio Lower Upper

96 100

61 176.1 126.7 235.3

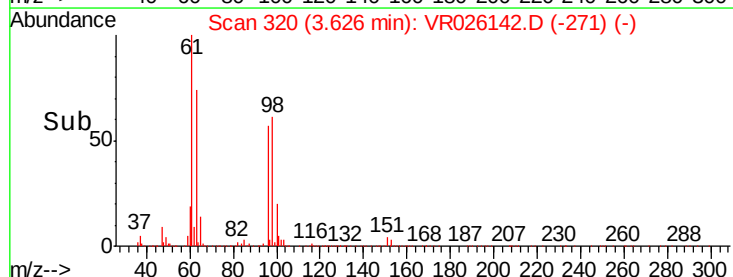
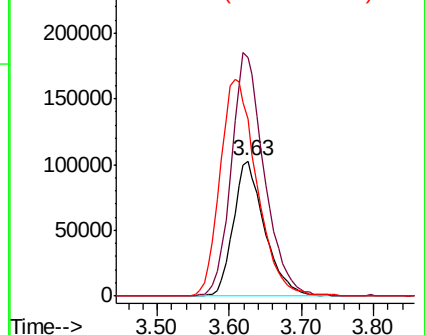
63 130.9 125.0 232.2

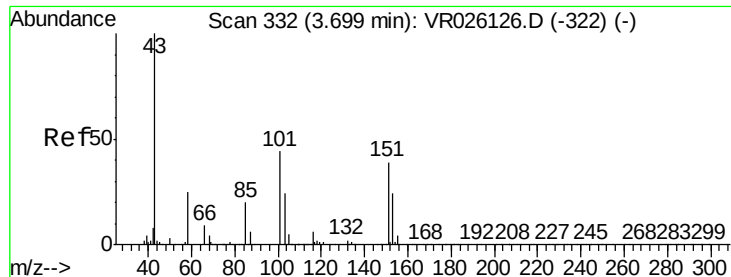


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 44.098 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.00 min

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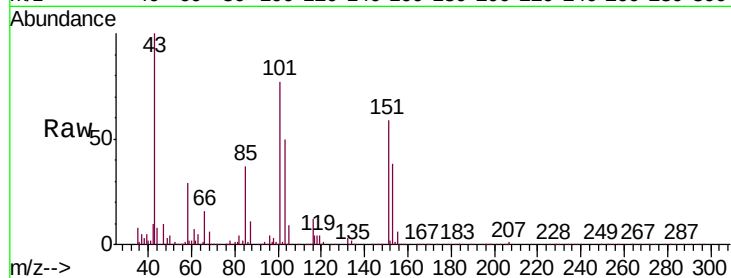
VSTD00596

Tgt Ion: 43 Resp: 222623

Ion Ratio Lower Upper

43 100

58 28.6 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

80000

60000

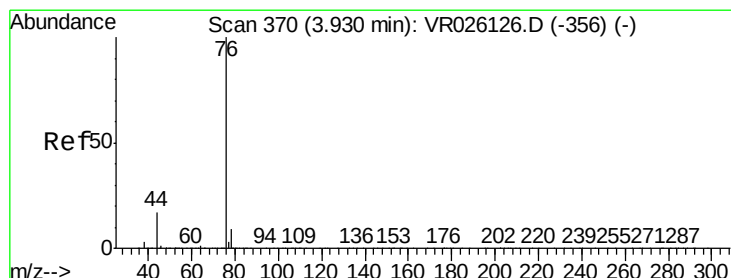
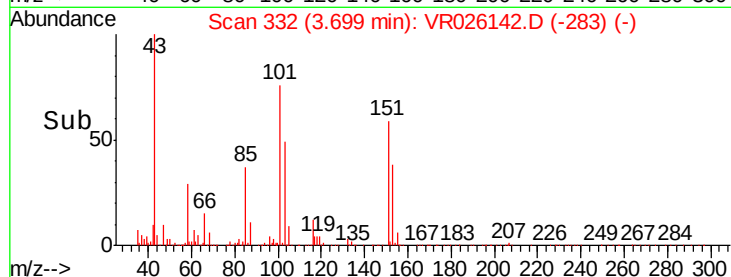
40000

20000

0

3.50 3.60 3.70 3.80 3.90

Time-->



#14

Carbon disulfide

Concen: 5.159 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.00 min

Lab File: VR026142.D

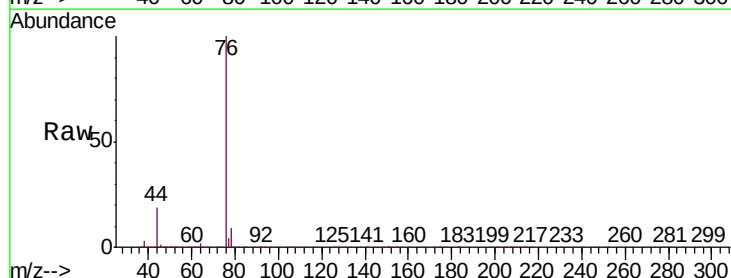
Acq: 19 Oct 2018 10:13

Tgt Ion: 76 Resp: 891406

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

300000

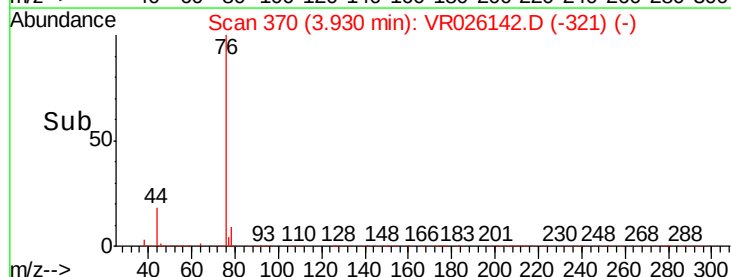
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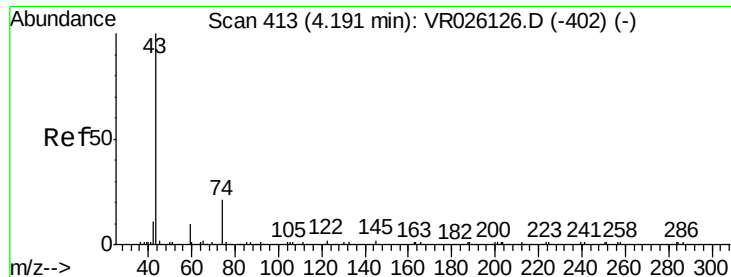
100000

0

3.80 3.90 4.00 4.10

Time-->





#15

Methyl Acetate

Concen: 4.221 ug/L

RT: 4.19 min Scan# 412

Delta R.T. -0.01 min

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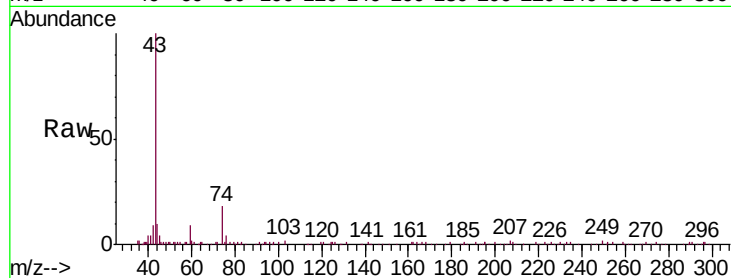
VSTD00596

Tgt Ion: 43 Resp: 55667

Ion Ratio Lower Upper

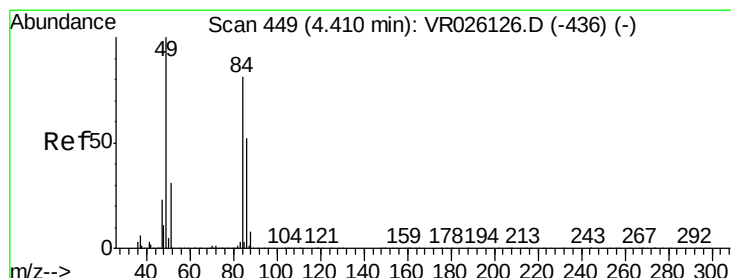
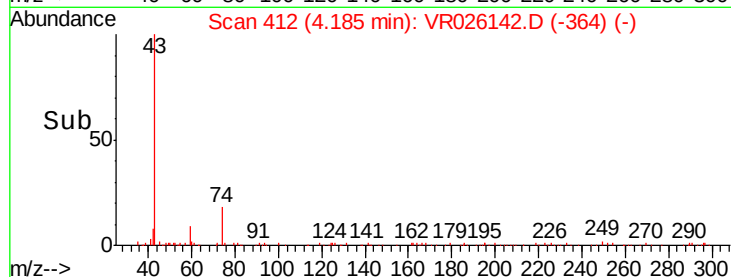
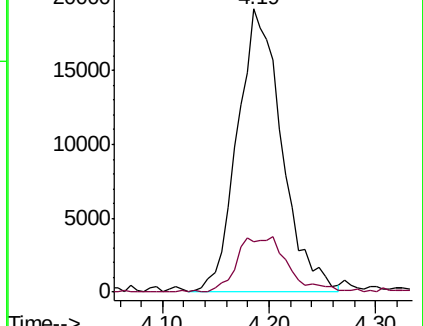
43 100

74 22.1 19.8 29.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 4.163 ug/L

RT: 4.40 min Scan# 448

Delta R.T. -0.01 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

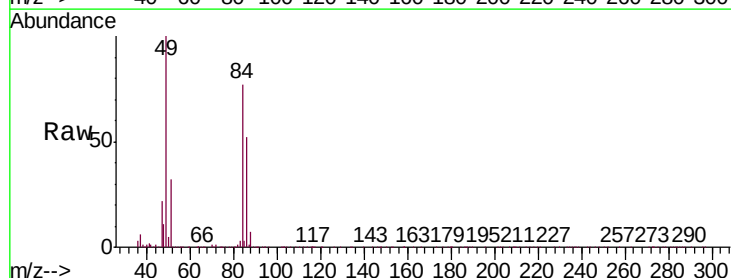
Tgt Ion: 84 Resp: 249502

Ion Ratio Lower Upper

84 100

86 68.5 43.0 79.8

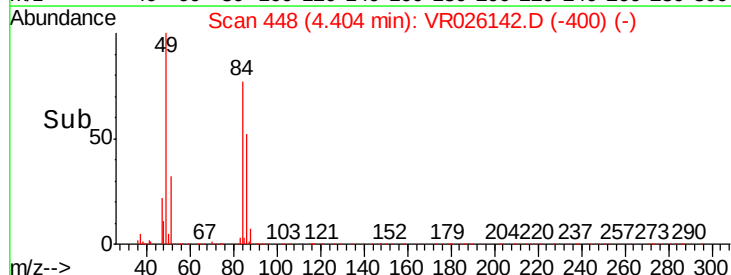
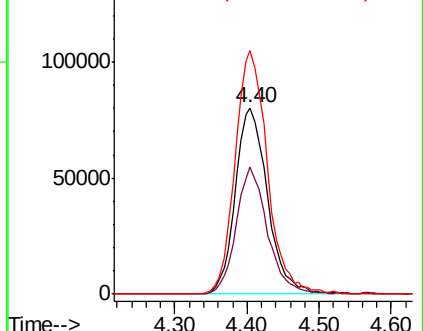
49 130.5 89.1 165.5

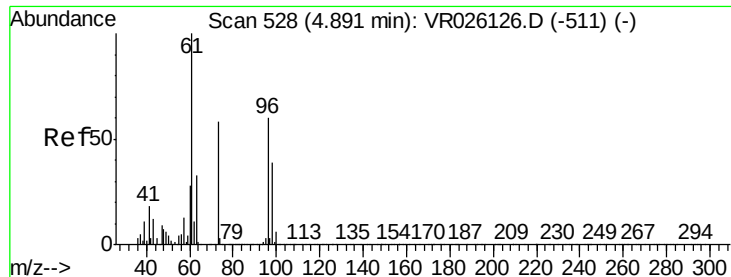


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

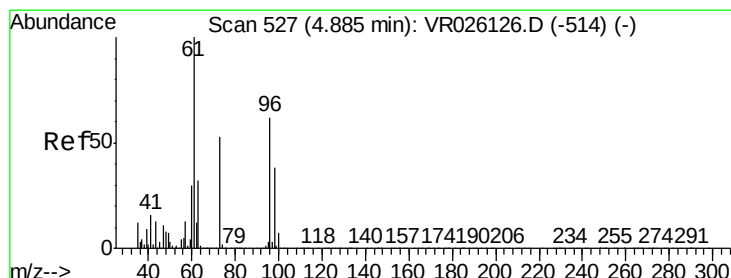
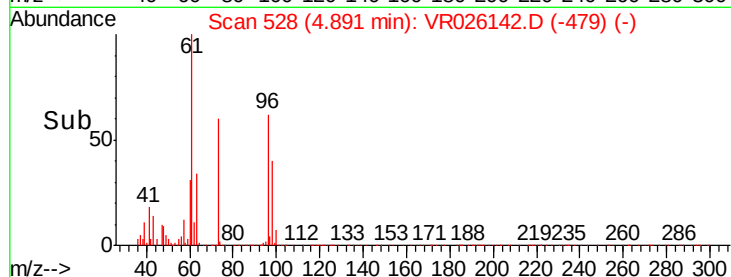
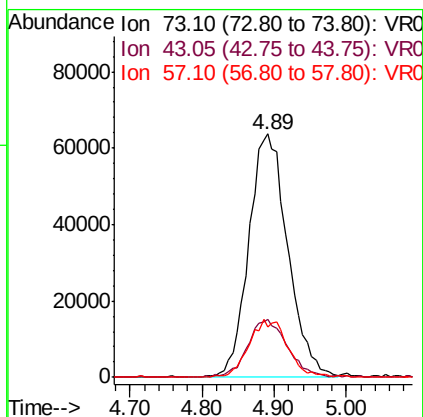
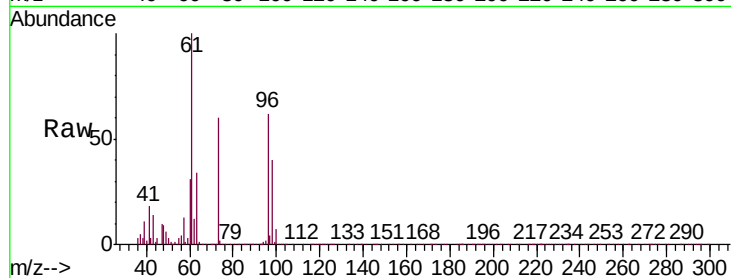




#17
Methyl tert-butyl Ether
Concen: 3.975 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.00 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

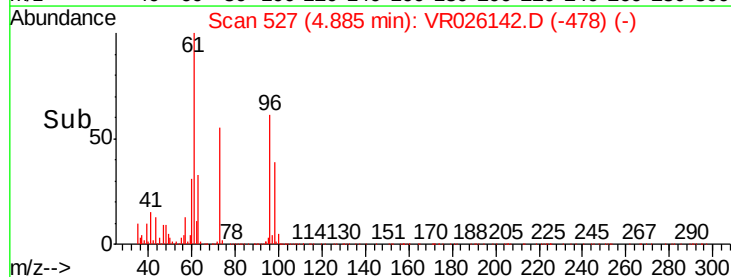
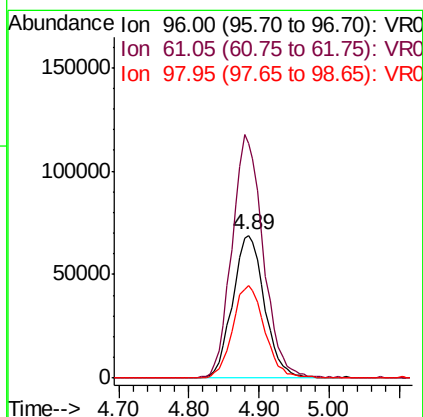
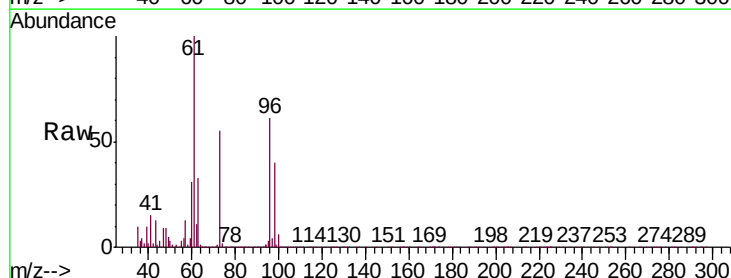
Instrument :
MSVOA_R
ClientSampleId :
VSTD00596

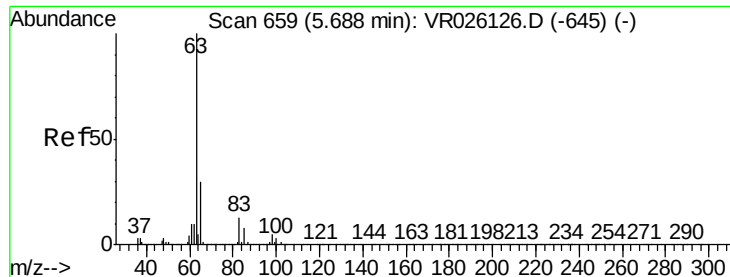
Tgt Ion: 73 Resp: 238516
Ion Ratio Lower Upper
73 100
43 24.6 20.1 30.1
57 23.5 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 4.383 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

Tgt Ion: 96 Resp: 219084
Ion Ratio Lower Upper
96 100
61 164.3 111.4 206.8
98 64.9 41.4 77.0





#19

1,1-Dichloroethane

Concen: 4.436 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.01 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD00596

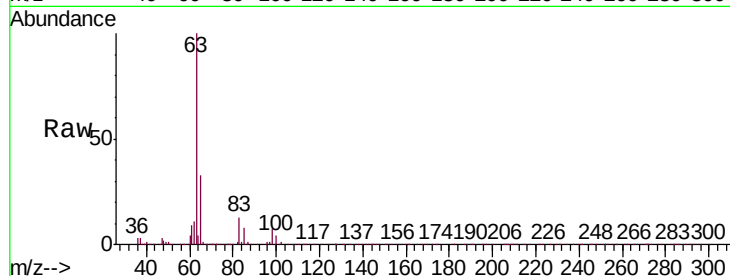
Tgt Ion: 63 Resp: 416321

Ion Ratio Lower Upper

63 100

65 32.8 21.2 39.4

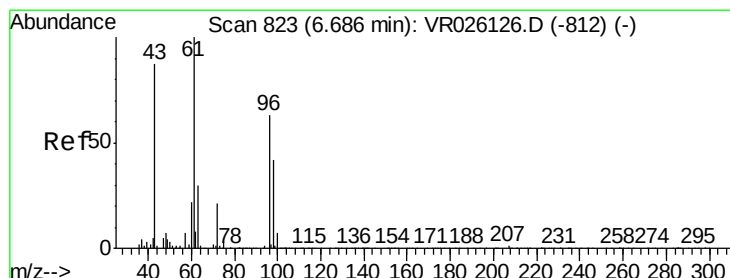
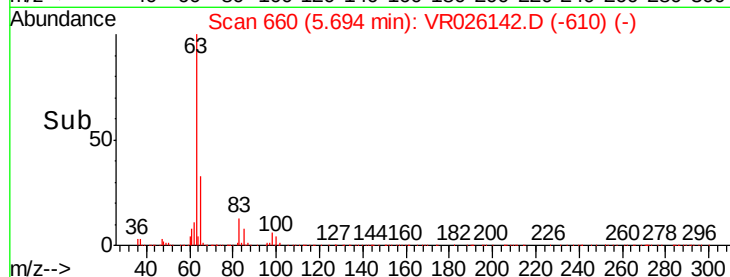
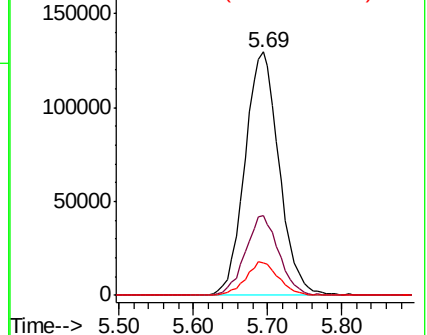
83 13.3 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 41.773 ug/L

RT: 6.69 min Scan# 823

Delta R.T. 0.00 min

Lab File: VR026142.D

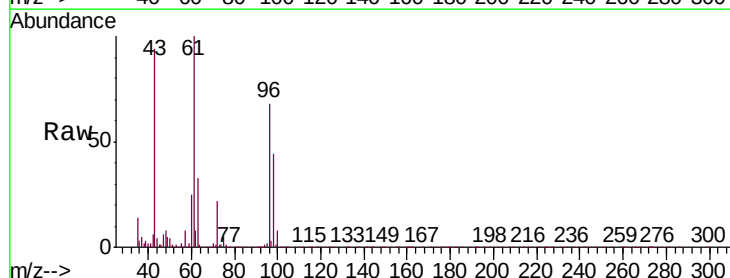
Acq: 19 Oct 2018 10:13

Tgt Ion: 43 Resp: 243284

Ion Ratio Lower Upper

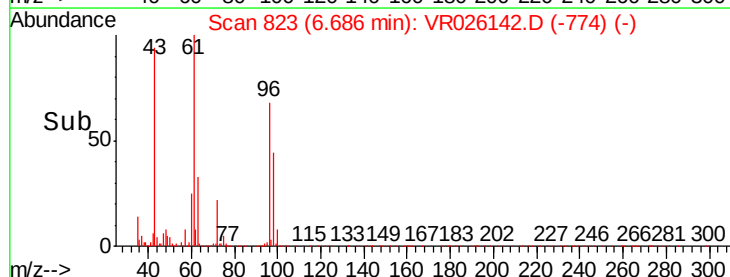
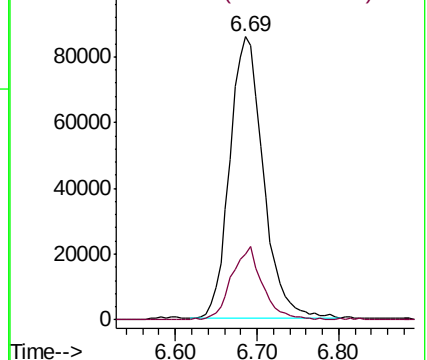
43 100

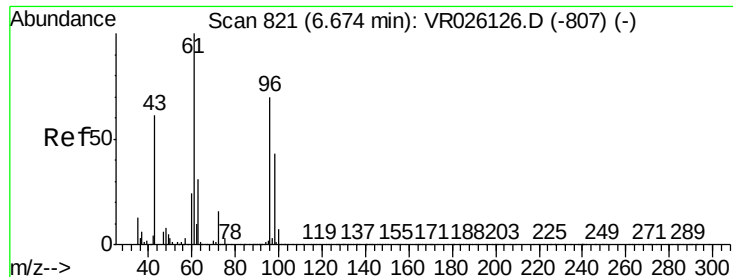
72 24.1 12.3 36.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



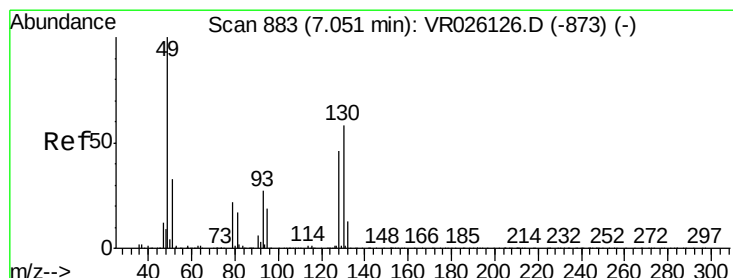
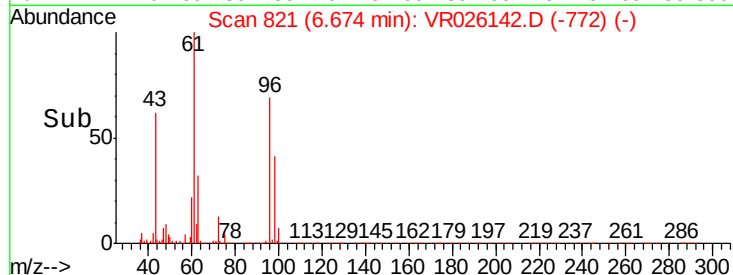
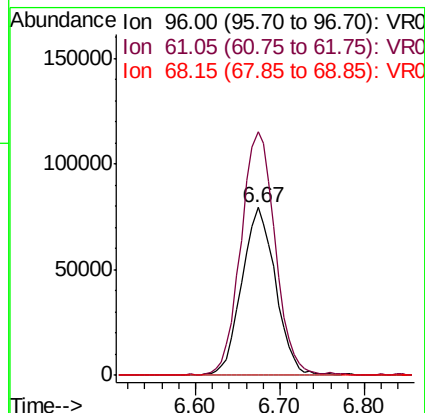
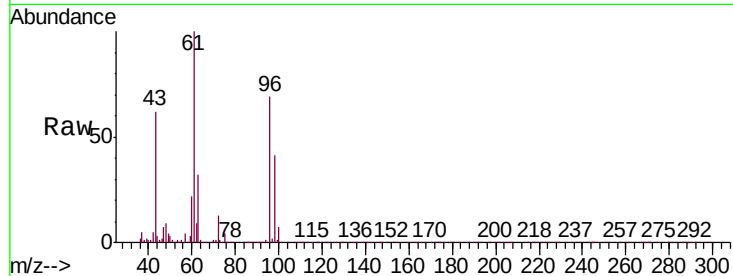


#22

cis-1,2-Dichloroethene
 Concen: 4.549 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: VR026142.D
 Acq: 19 Oct 2018 10:13

Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00596

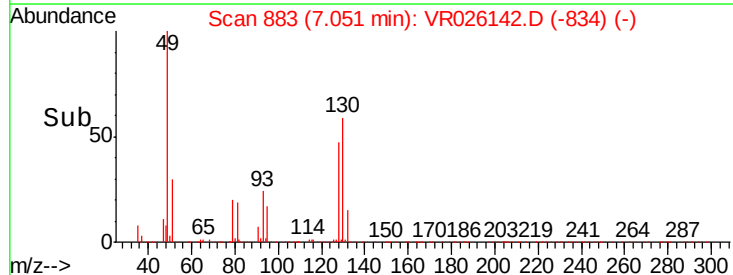
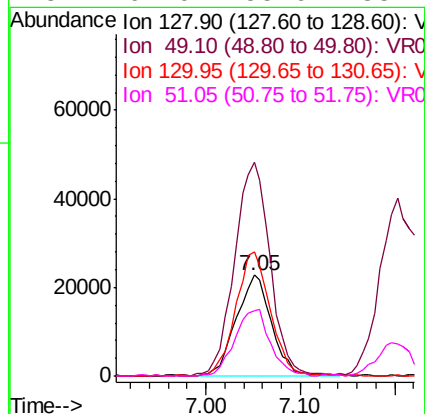
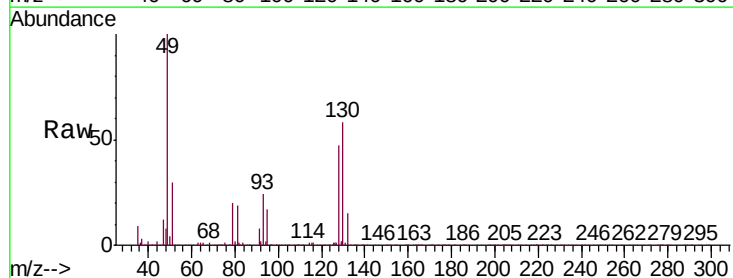
Tgt Ion: 96 Resp: 215082
 Ion Ratio Lower Upper
 96 100
 61 145.3 101.8 189.0
 68 0.3 0.1 0.3#

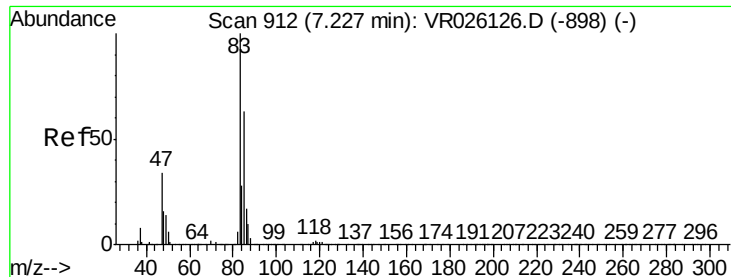


#23

Bromochloromethane
 Concen: 4.487 ug/L
 RT: 7.05 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: VR026142.D
 Acq: 19 Oct 2018 10:13

Tgt Ion: 128 Resp: 59505
 Ion Ratio Lower Upper
 128 100
 49 211.3 146.2 271.4
 130 123.2 92.5 171.7
 51 64.0 55.6 83.4

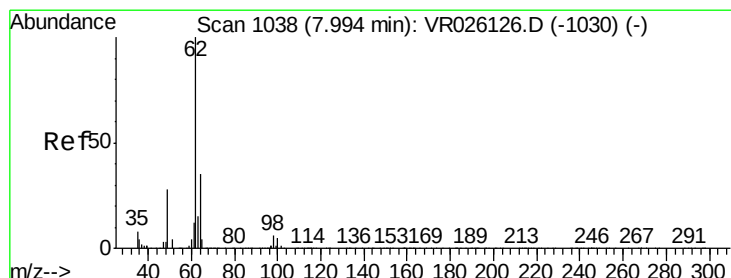
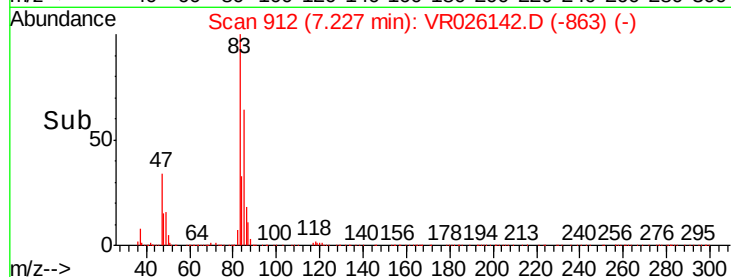
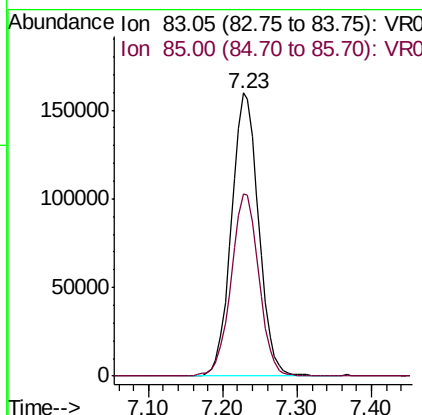
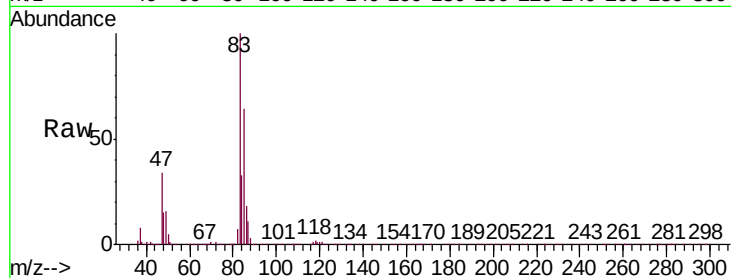




#25
Chloroform
Concen: 4.452 ug/L
RT: 7.23 min Scan# 912
Delta R.T. 0.00 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

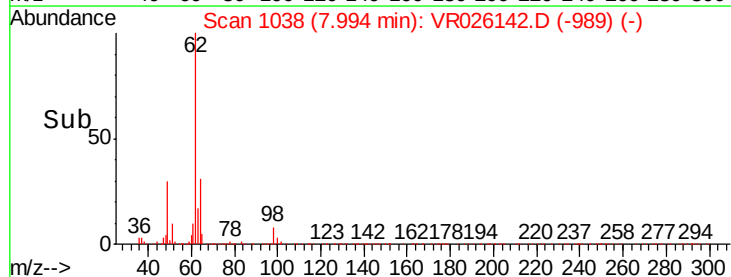
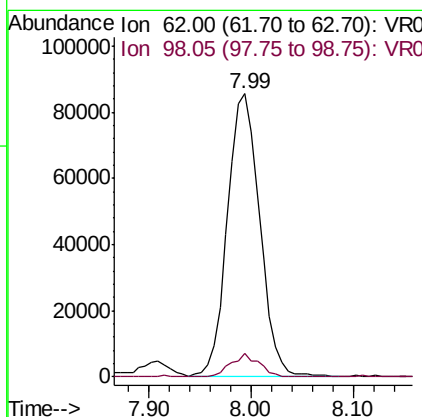
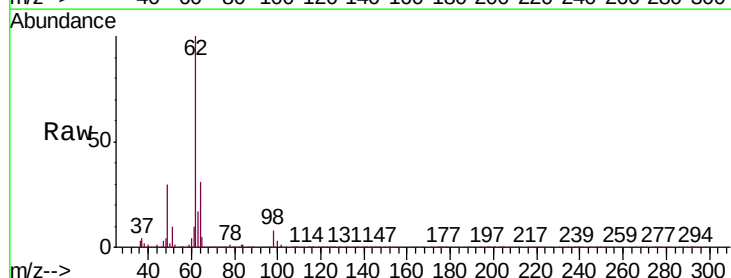
Instrument :
MSVOA_R
ClientSampleId :
VSTD00596

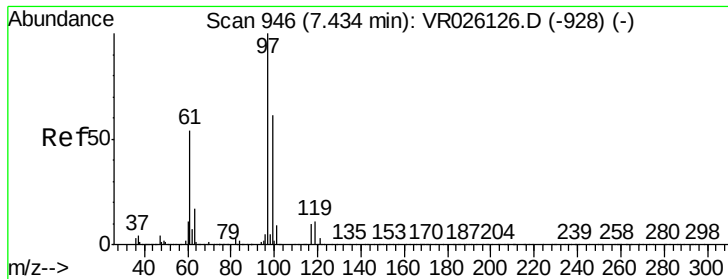
Tgt Ion: 83 Resp: 407771
Ion Ratio Lower Upper
83 100
85 64.5 43.5 80.7



#27
1,2-Dichloroethane
Concen: 4.174 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

Tgt Ion: 62 Resp: 187108
Ion Ratio Lower Upper
62 100
98 8.3 5.6 8.4

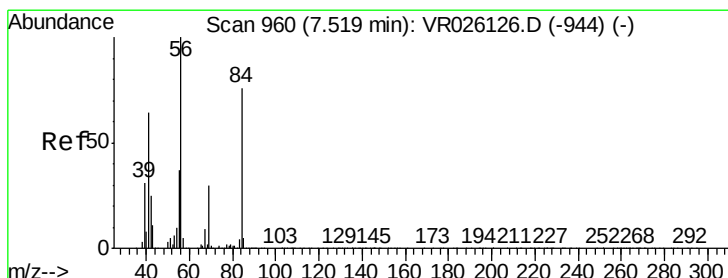
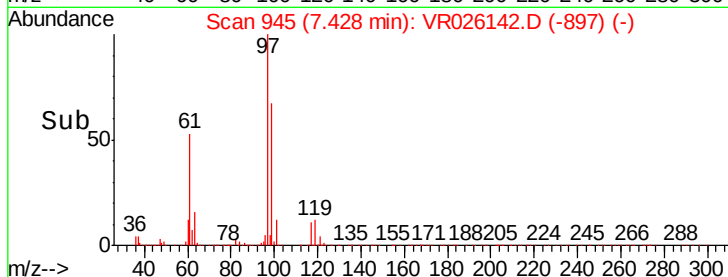
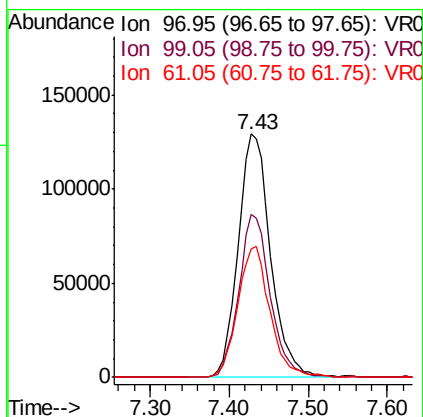
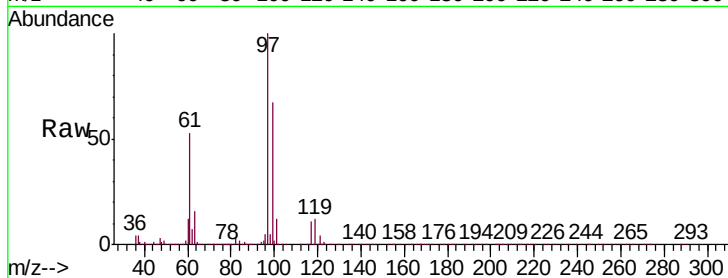




#29
1,1,1-Trichloroethane
Concen: 4.752 ug/L
RT: 7.43 min Scan# 945
Delta R.T. -0.01 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

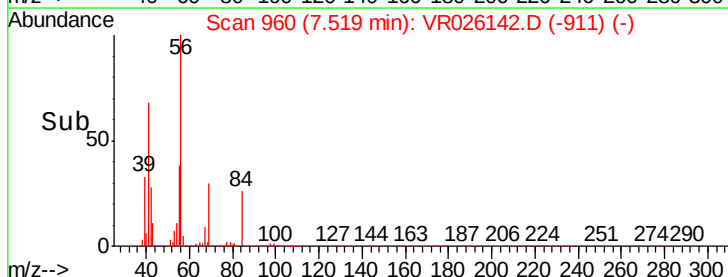
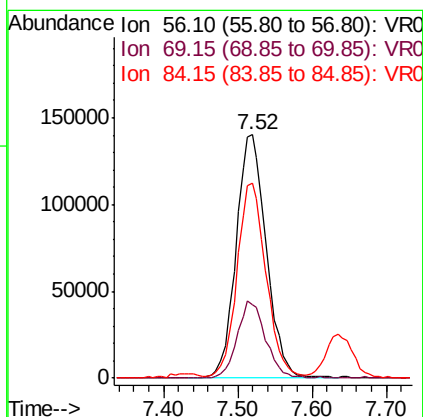
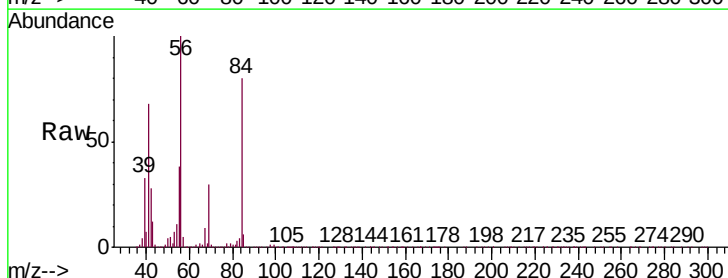
Instrument :
MSVOA_R
ClientSampleId :
VSTD00596

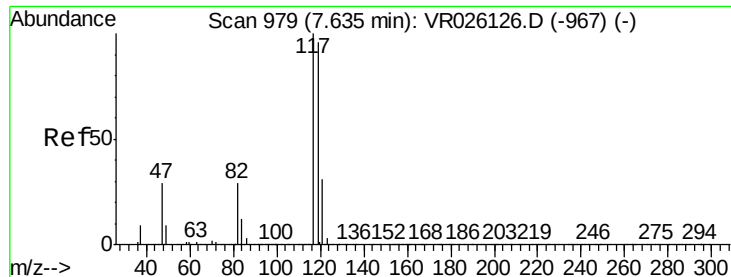
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.1	76.7
61	53.4	42.1	63.1



#30
Cyclohexane
Concen: 5.120 ug/L
RT: 7.52 min Scan# 960
Delta R.T. 0.00 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.8	35.8
84	77.1	62.2	93.4





#31

Carbon tetrachloride

Concen: 4.739 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

Instrument :

MSVOA_R

ClientSampleId :

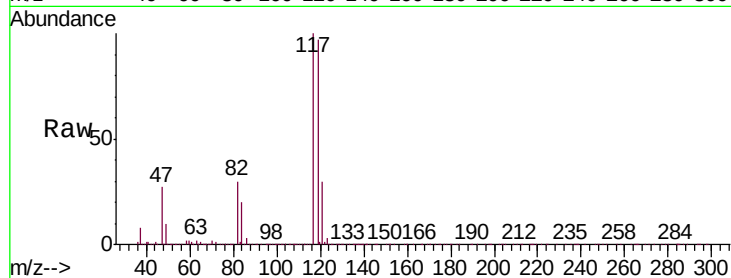
VSTD00596

Tgt Ion:117 Resp: 334314

Ion Ratio Lower Upper

117 100

119 95.8 74.2 111.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

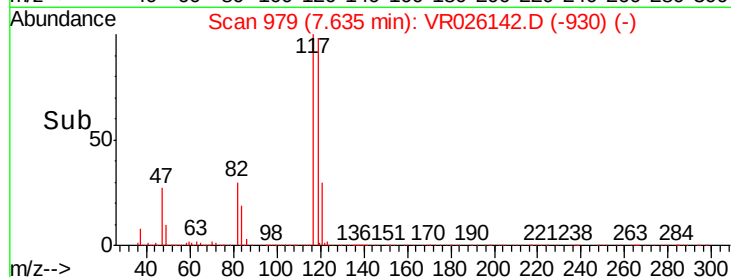
150000

100000

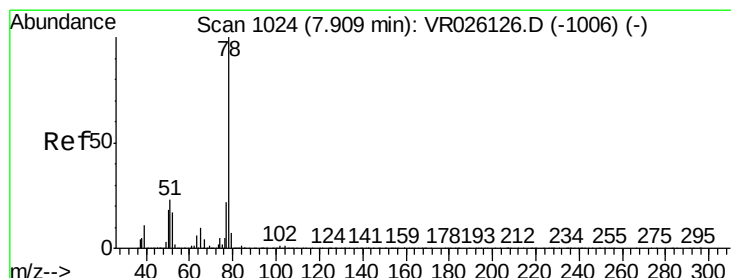
50000

0

7.50 7.60 7.70



Time-->



#33

Benzene

Concen: 4.639 ug/L

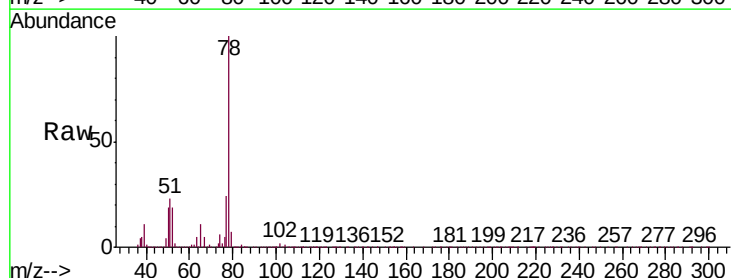
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

Tgt Ion: 78 Resp: 988349



Abundance Ion 78.10 (77.80 to 78.80): VR0

500000

400000

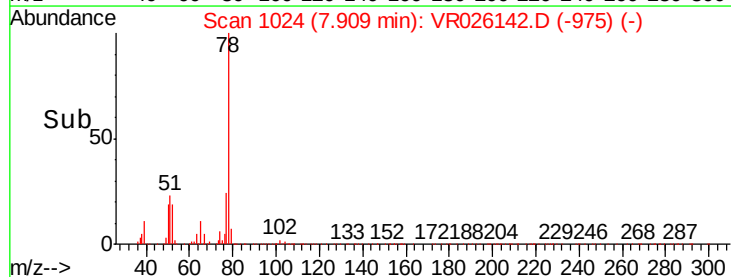
300000

200000

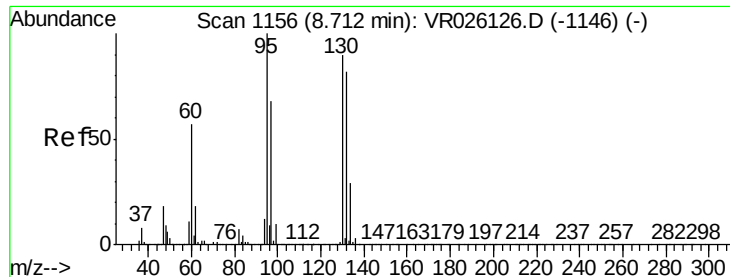
100000

0

7.80 7.90 8.00



Time-->



#34

Trichloroethene

Concen: 4.658 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD00596

Tgt Ion: 95 Resp: 253974

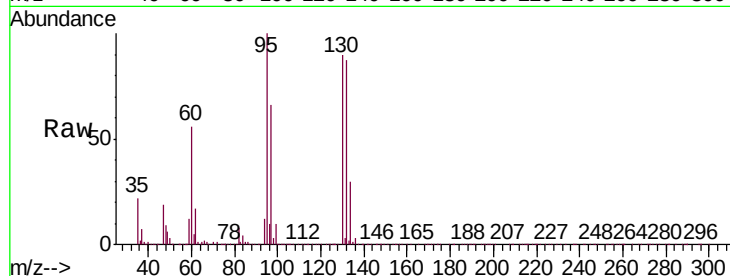
Ion Ratio Lower Upper

95 100

97 65.9 45.7 84.9

132 87.0 58.3 108.3

130 90.0 64.0 119.0

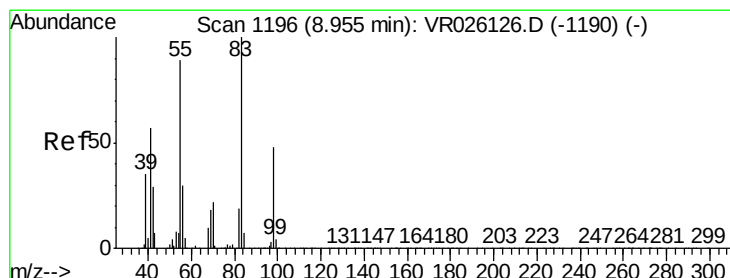
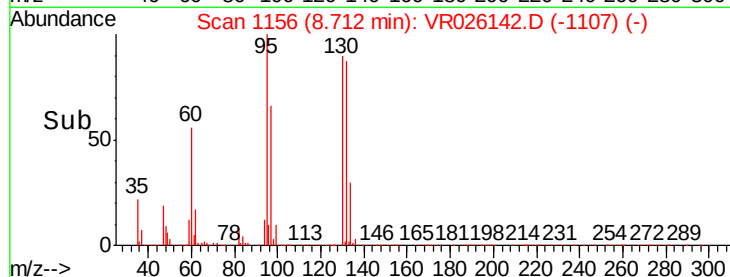
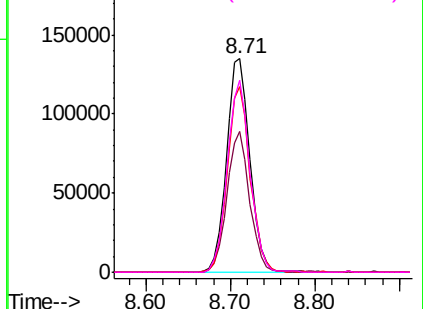


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.017 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

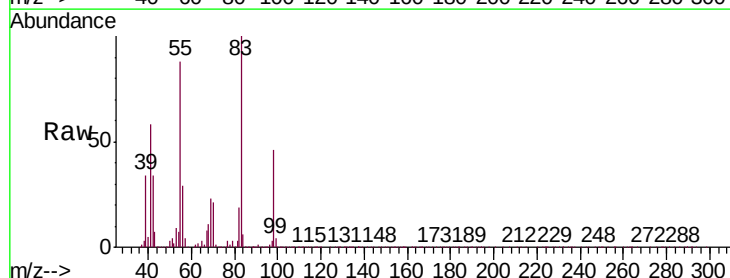
Tgt Ion: 83 Resp: 407294

Ion Ratio Lower Upper

83 100

55 85.4 66.8 100.2

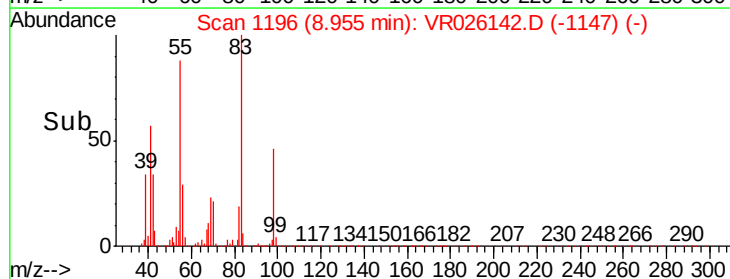
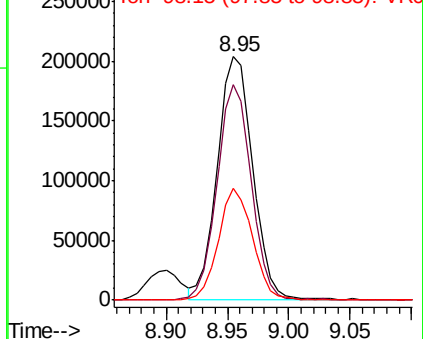
98 44.5 35.2 52.8

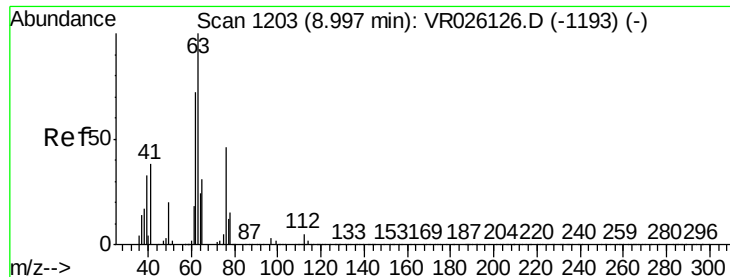


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

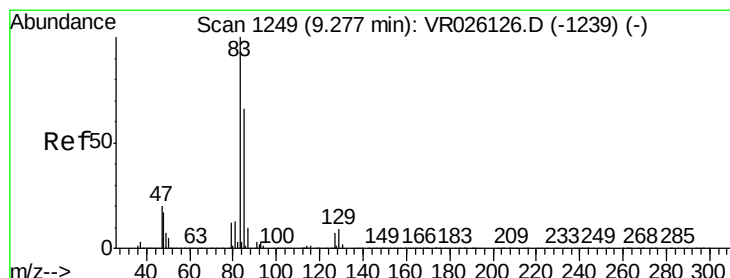
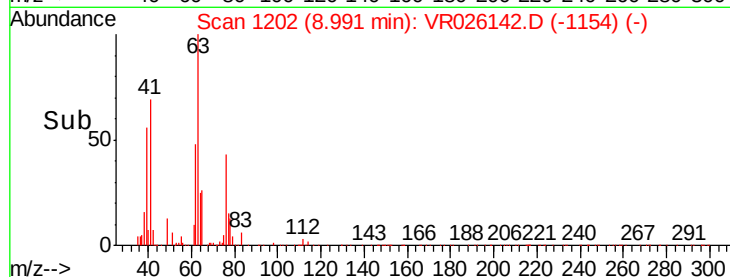
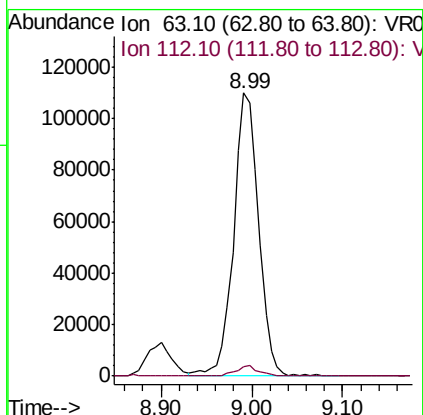
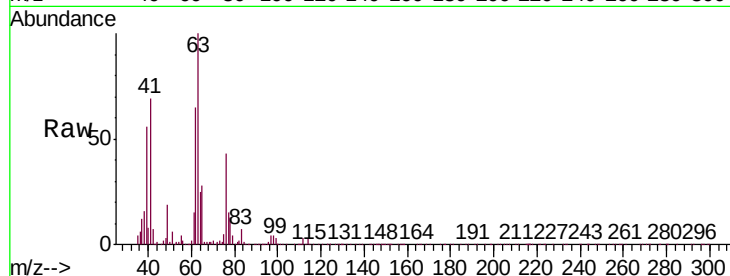




#37
1,2-Dichloropropane
Concen: 4.655 ug/L
RT: 8.99 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

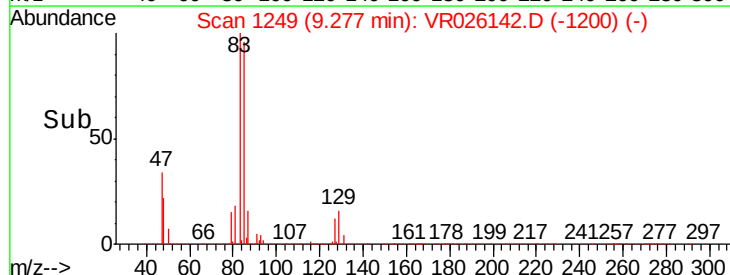
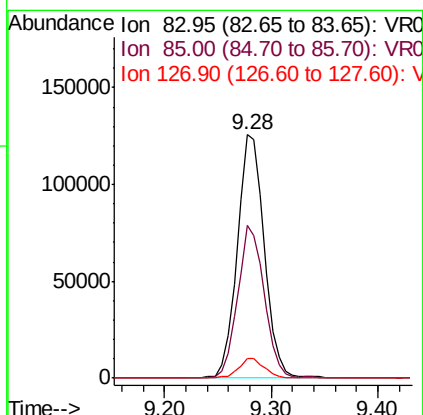
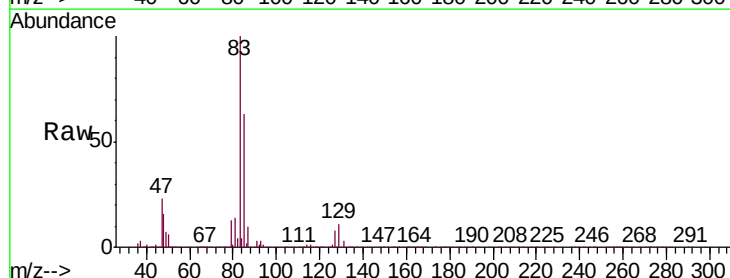
Instrument :
MSVOA_R
ClientSampleId :
VSTD00596

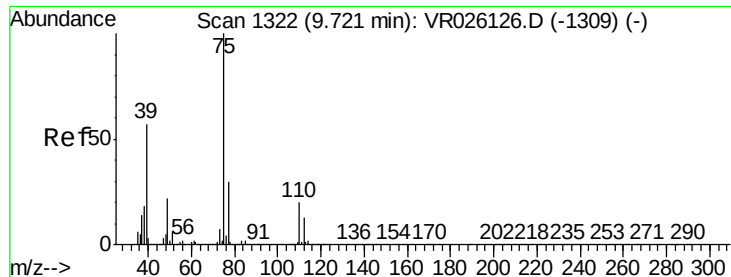
Tgt Ion: 63 Resp: 209258
Ion Ratio Lower Upper
63 100
112 3.4 2.7 4.1



#38
Bromodichloromethane
Concen: 4.631 ug/L
RT: 9.28 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

Tgt Ion: 83 Resp: 223839
Ion Ratio Lower Upper
83 100
85 62.7 43.5 80.7
127 7.9 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.539 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

Instrument :

MSVOA_R

ClientSampleId :

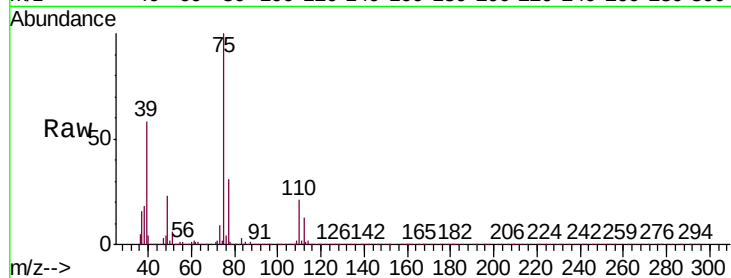
VSTD00596

Tgt Ion: 75 Resp: 233519

Ion Ratio Lower Upper

75 100

77 31.0 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

150000

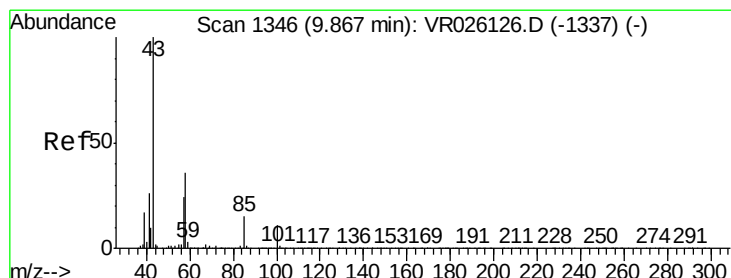
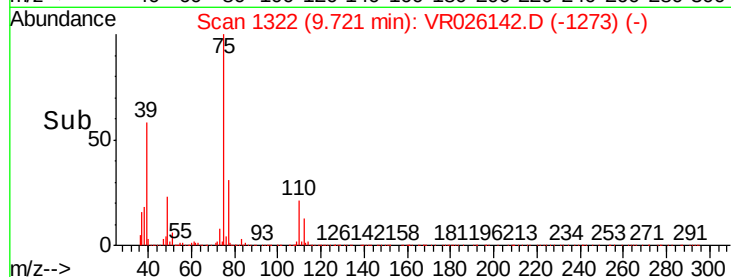
100000

50000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#40

4-Methyl-2-pentanone

Concen: 43.644 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

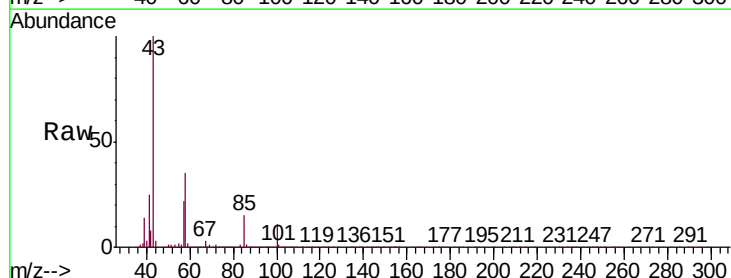
Tgt Ion: 43 Resp: 599102

Ion Ratio Lower Upper

43 100

58 34.4 28.1 42.1

100 11.5 9.3 13.9



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

500000

400000

300000

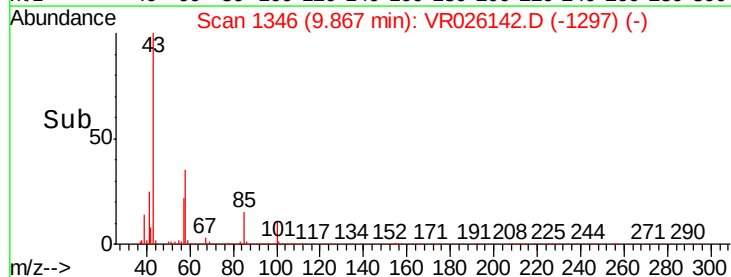
200000

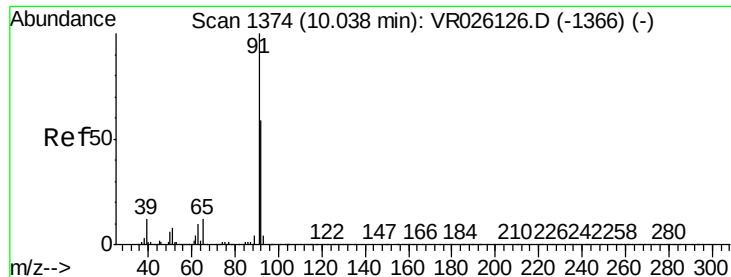
100000

0

9.80 9.90

Time-->





#42

Toluene

Concen: 4.817 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.01 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

Instrument :

MSVOA_R

ClientSampleId :

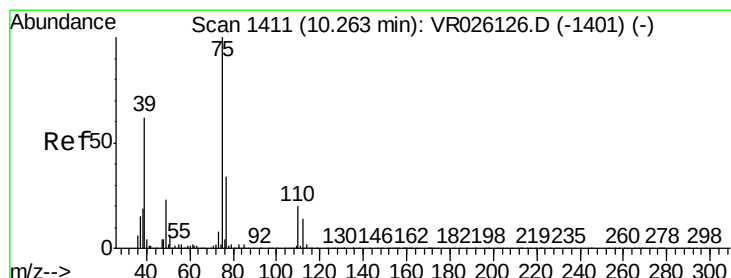
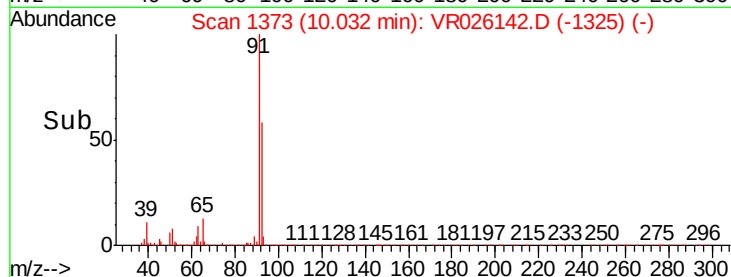
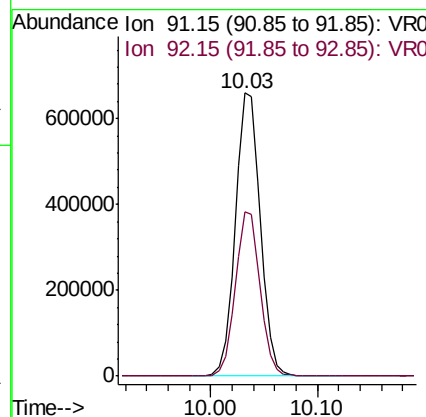
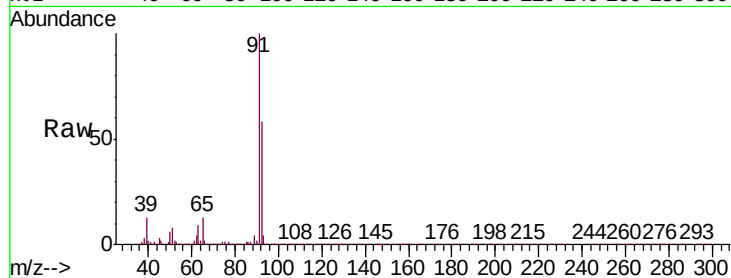
VSTD00596

Tgt Ion: 91 Resp: 1083028

Ion Ratio Lower Upper

91 100

92 58.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.471 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026142.D

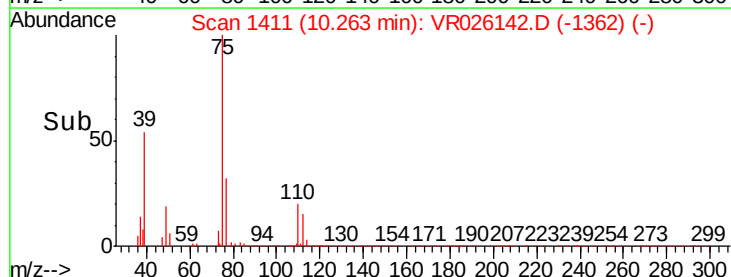
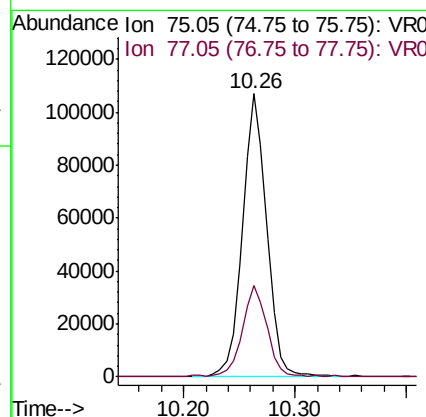
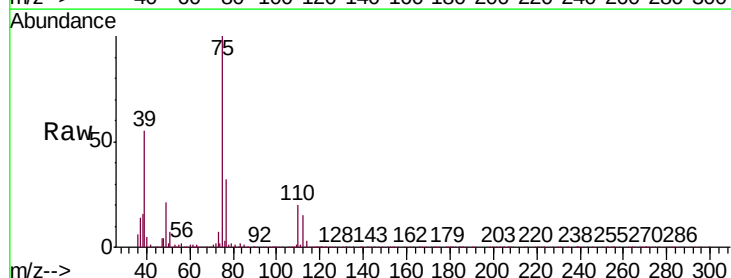
Acq: 19 Oct 2018 10:13

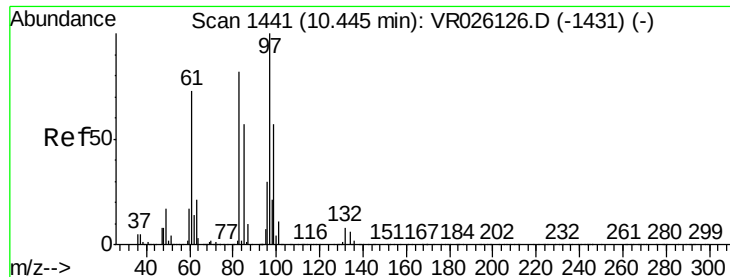
Tgt Ion: 75 Resp: 160701

Ion Ratio Lower Upper

75 100

77 32.1 24.1 44.7

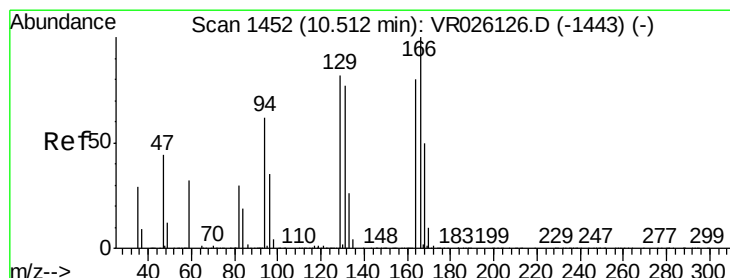
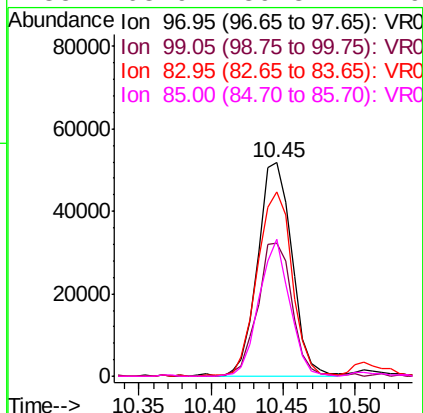
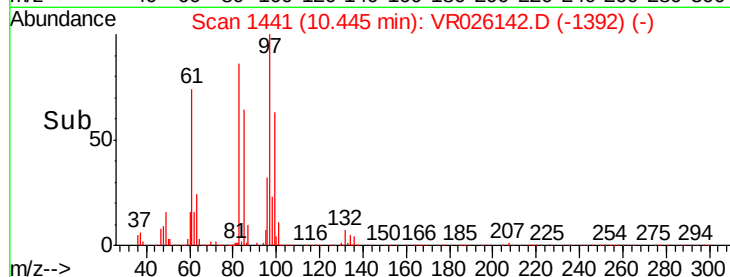
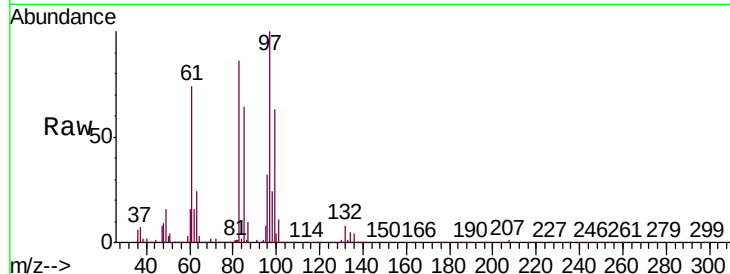




#45
 1,1,2-Trichloroethane
 Concen: 4.467 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR026142.D
 Acq: 19 Oct 2018 10:13

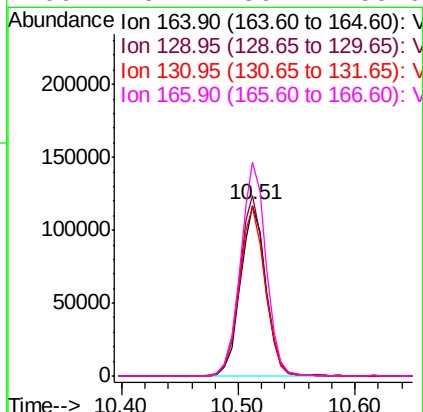
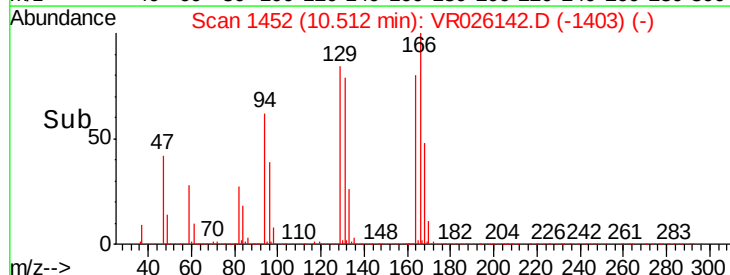
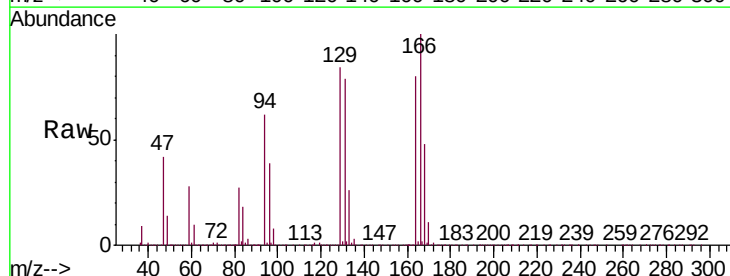
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00596

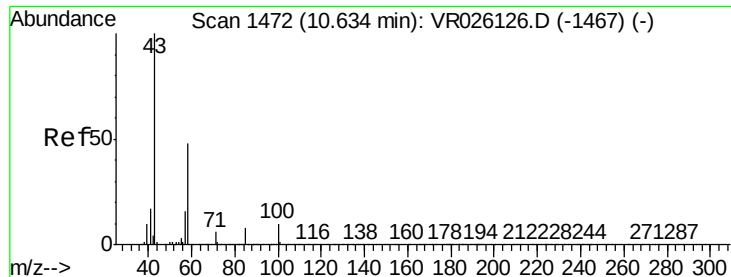
Tgt Ion:	97	Resp:	84689
Ion	Ratio	Lower	Upper
97	100		
99	62.6	42.8	79.4
83	86.1	61.9	114.9
85	63.9	39.3	72.9



#47
 Tetrachloroethene
 Concen: 4.586 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026142.D
 Acq: 19 Oct 2018 10:13

Tgt Ion:	164	Resp:	178591
Ion	Ratio	Lower	Upper
164	100		
129	105.5	70.3	130.5
131	99.2	67.3	125.1
166	125.1	86.1	159.9

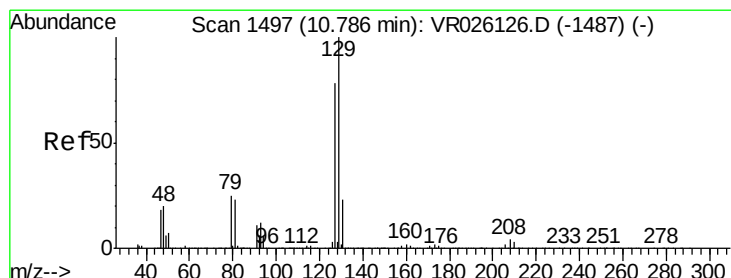
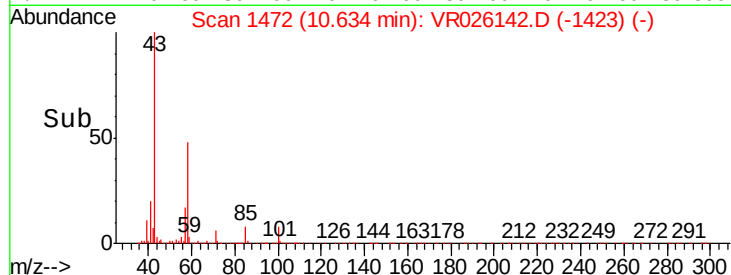
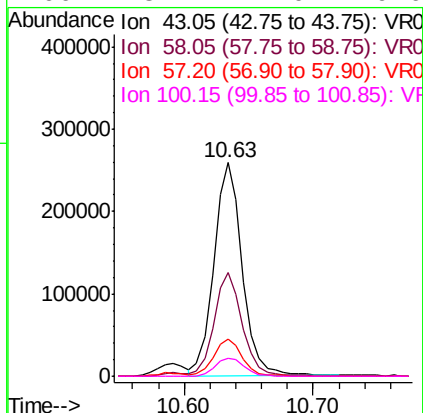
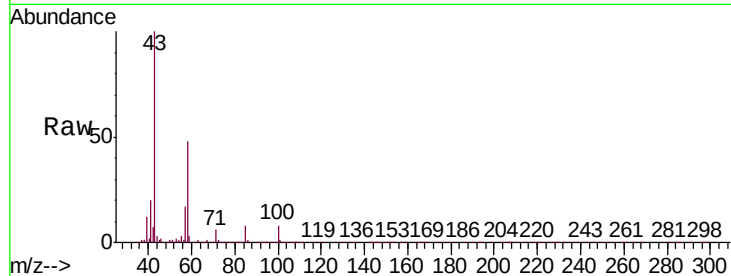




#48
2-Hexanone
Concen: 44.337 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

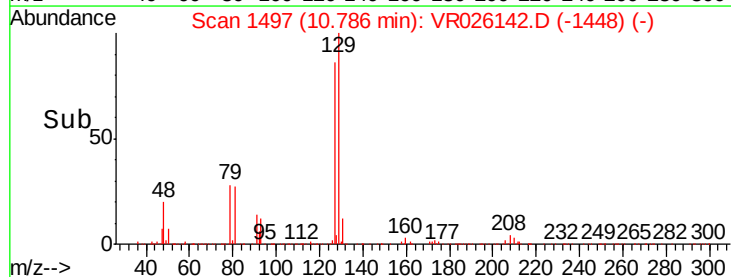
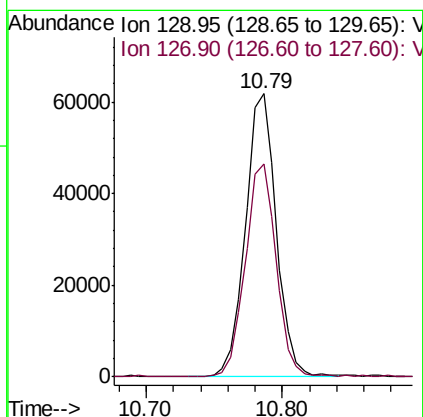
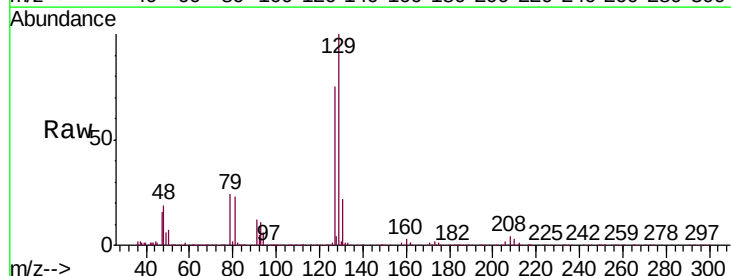
Instrument :
MSVOA_R
ClientSampleId :
VSTD00596

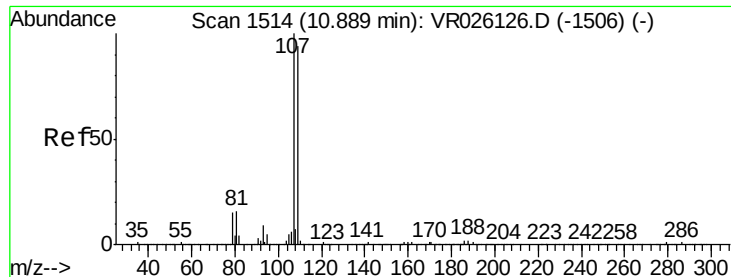
Tgt Ion:	43	Resp:	397507
Ion	Ratio	Lower	Upper
43	100		
58	49.9	39.6	59.4
57	17.8	14.0	21.0
100	8.7	7.0	10.6



#49
Dibromochloromethane
Concen: 4.602 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

Tgt Ion:	129	Resp:	98198
Ion	Ratio	Lower	Upper
129	100		
127	75.4	55.0	102.2

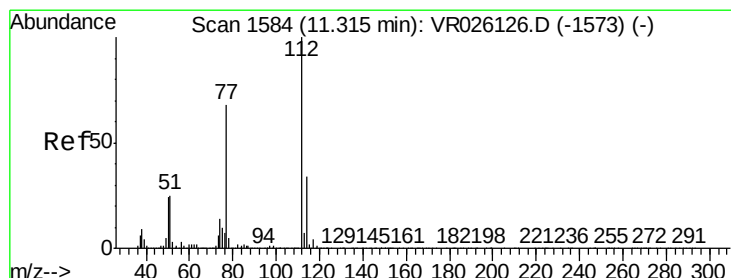
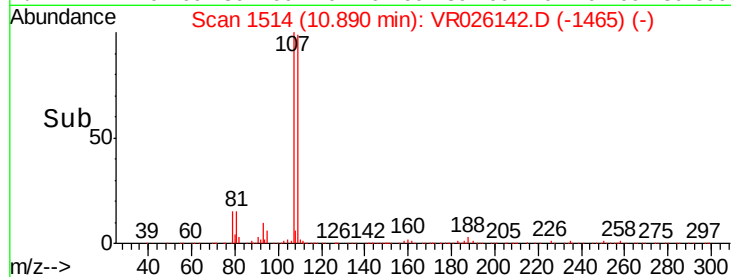
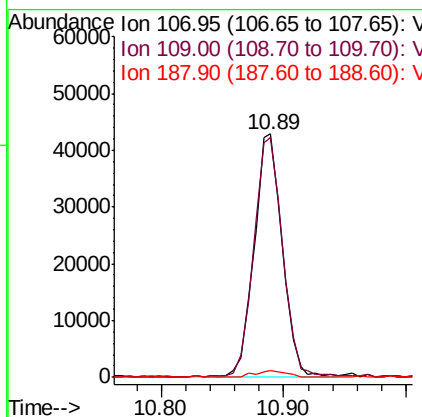
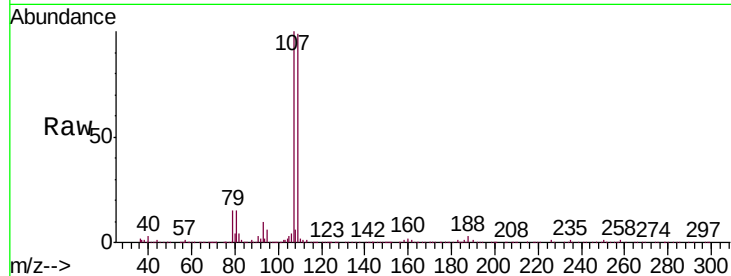




#50
1,2-Dibromoethane
Concen: 4.216 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

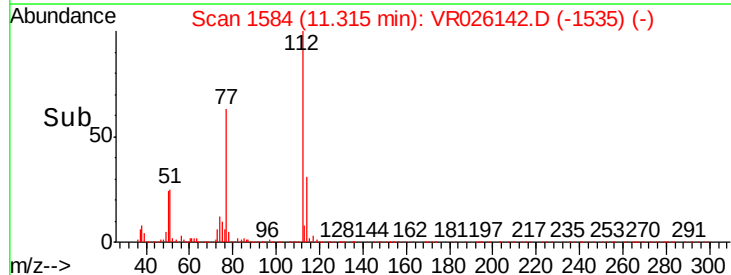
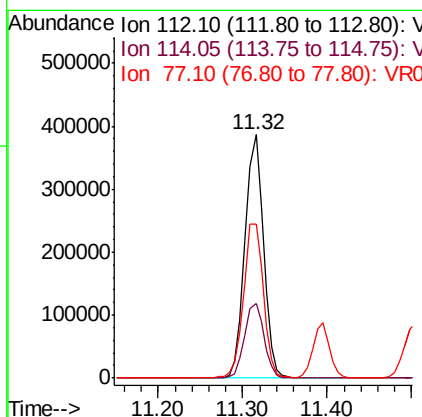
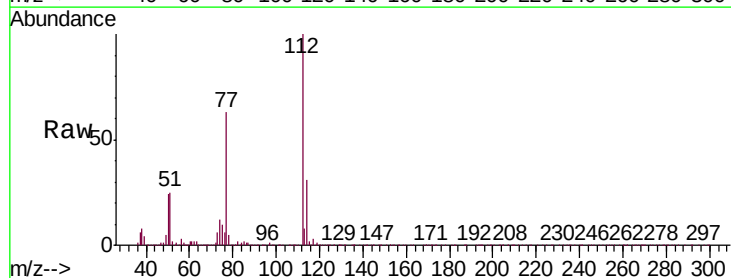
Instrument :
MSVOA_R
ClientSampleId :
VSTD00596

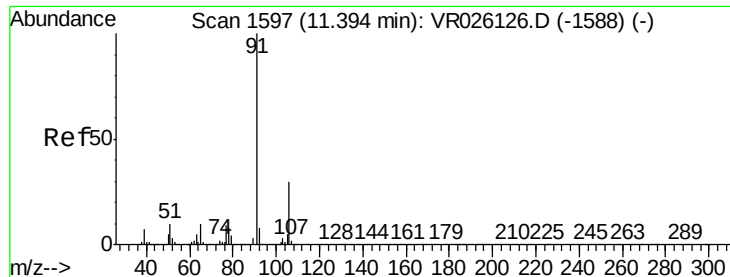
Tgt Ion:107 Resp: 69062
Ion Ratio Lower Upper
107 100
109 98.6 58.7 109.1
188 2.9 2.9 4.3#



#51
Chlorobenzene
Concen: 4.563 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

Tgt Ion:112 Resp: 568011
Ion Ratio Lower Upper
112 100
114 30.6 22.8 42.4
77 63.5 51.5 77.3





#52

Ethylbenzene

Concen: 4.959 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

Instrument :

MSVOA_R

ClientSampleId :

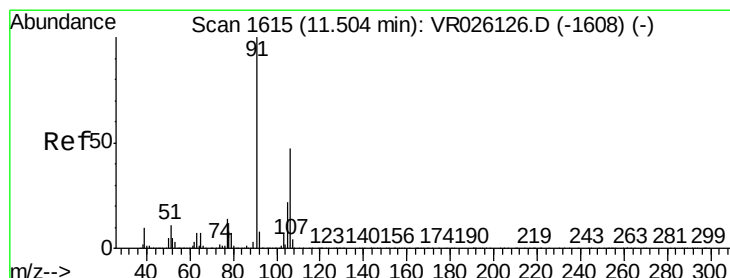
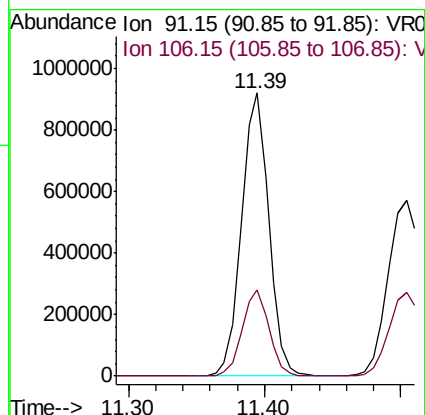
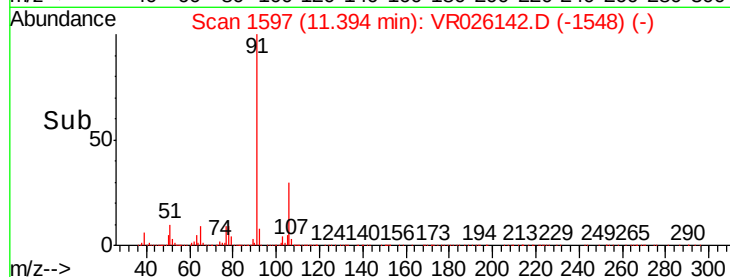
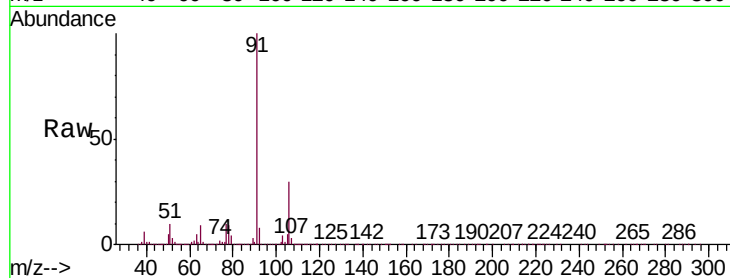
VSTD00596

Tgt Ion: 91 Resp: 1282153

Ion Ratio Lower Upper

91 100

106 30.3 21.2 39.4



#53

m,p-Xylene

Concen: 4.898 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026142.D

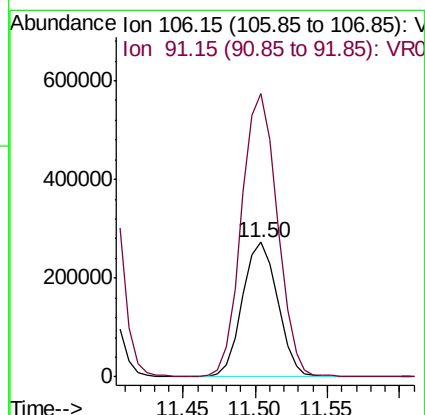
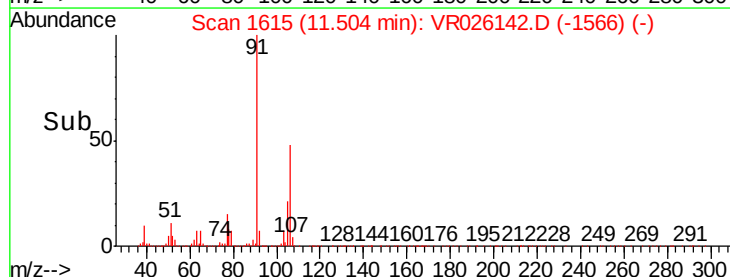
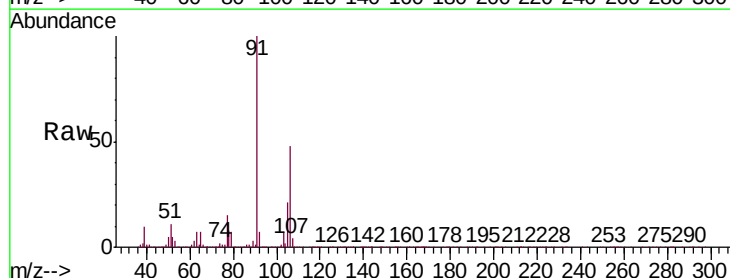
Acq: 19 Oct 2018 10:13

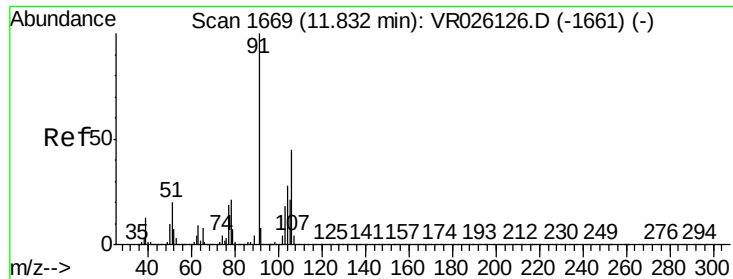
Tgt Ion: 106 Resp: 461411

Ion Ratio Lower Upper

106 100

91 210.5 145.3 269.8

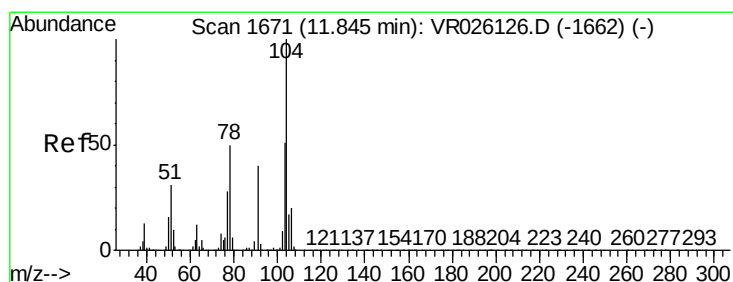
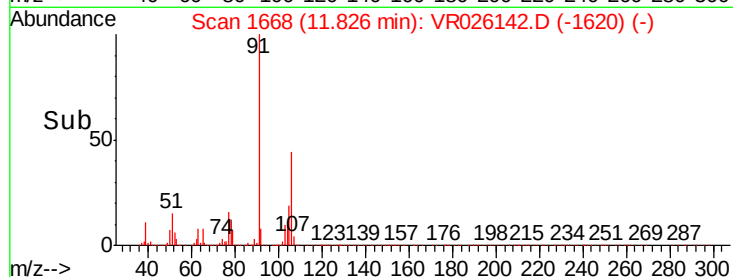
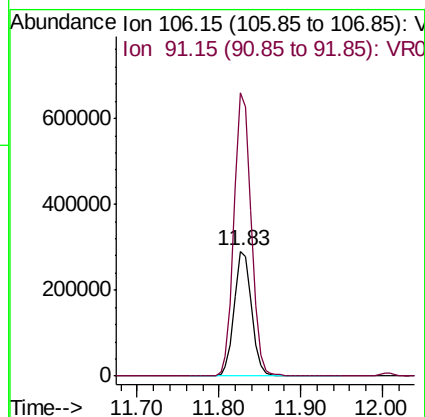
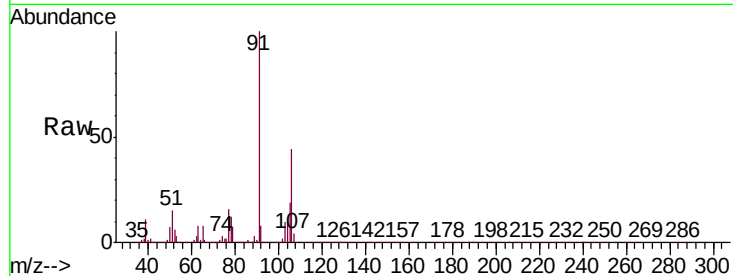




#54
o-Xylene
Concen: 4.854 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

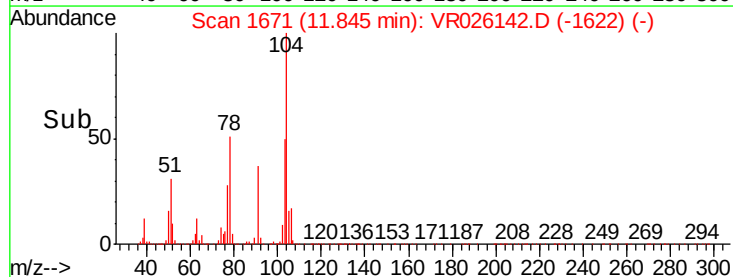
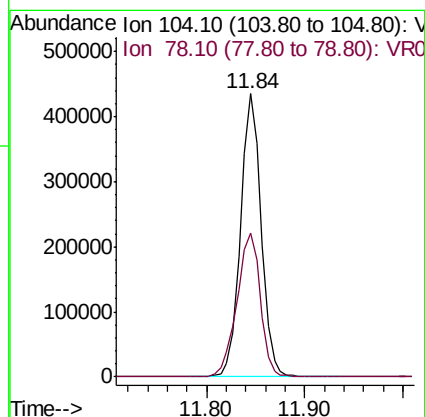
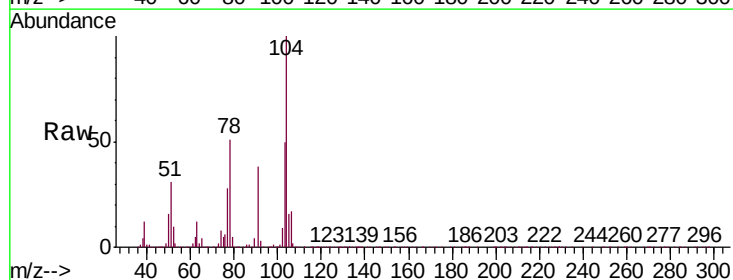
Instrument :
MSVOA_R
ClientSampleId :
VSTD00596

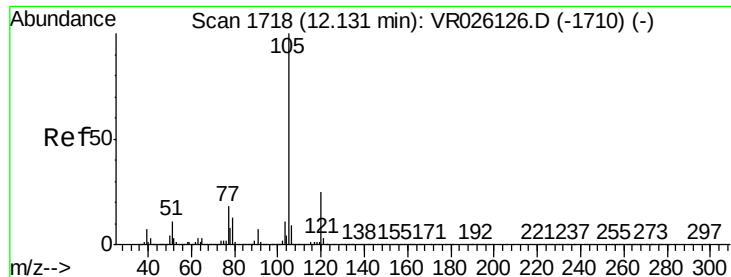
Tgt Ion:106 Resp: 419262
Ion Ratio Lower Upper
106 100
91 226.2 155.8 289.3



#55
Styrene
Concen: 4.791 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

Tgt Ion:104 Resp: 636960
Ion Ratio Lower Upper
104 100
78 51.0 34.7 64.5





#56

Isopropylbenzene

Concen: 5.114 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD00596

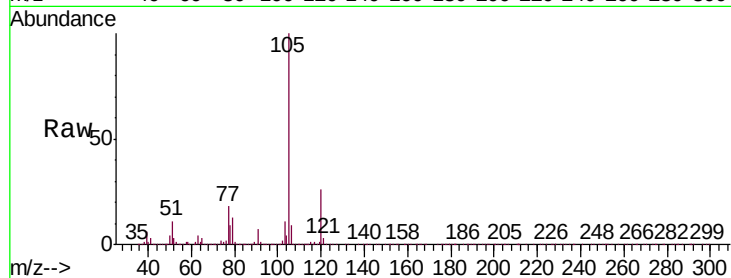
Tgt Ion: 105 Resp: 1226655

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

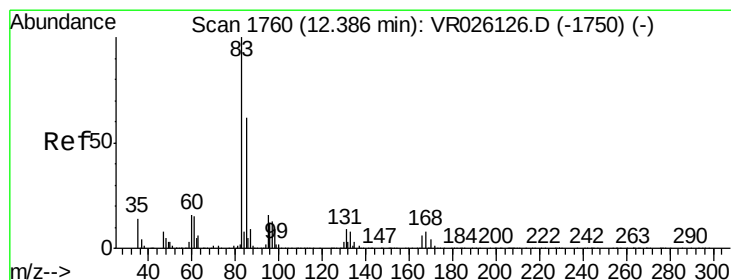
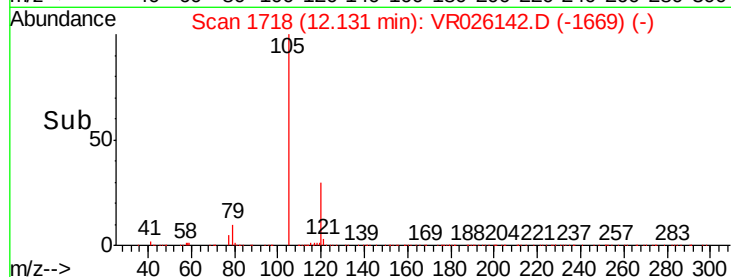
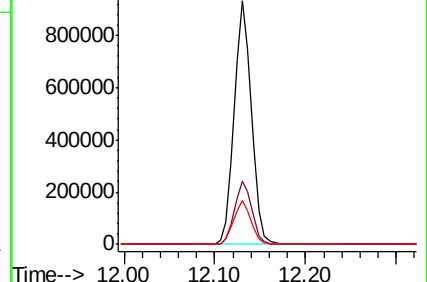
77 18.0 14.6 21.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.237 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

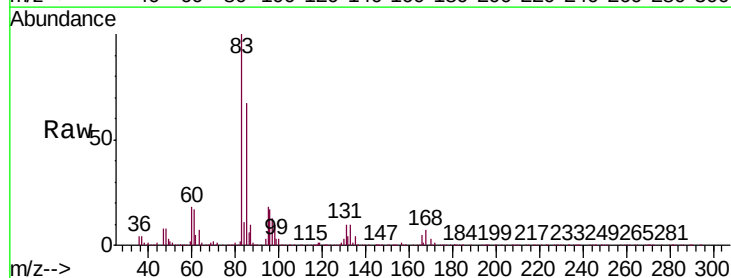
Tgt Ion: 83 Resp: 81639

Ion Ratio Lower Upper

83 100

85 66.8 44.0 81.8

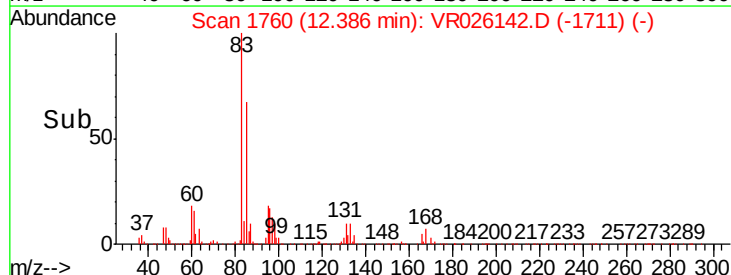
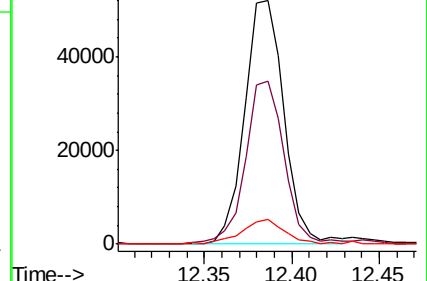
131 10.0 8.0 12.0

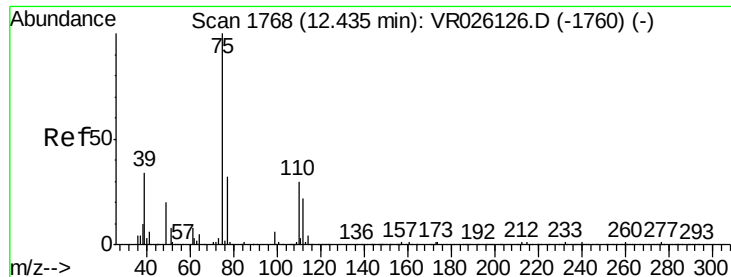


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.344 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

Instrument :

MSVOA_R

ClientSampleId :

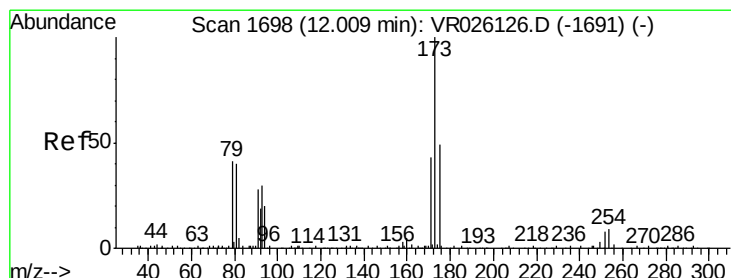
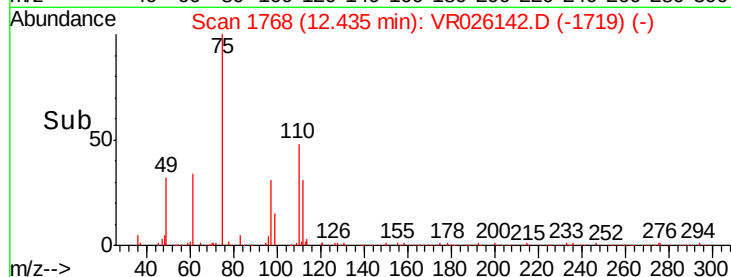
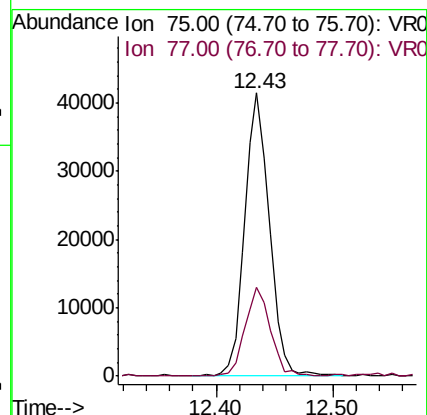
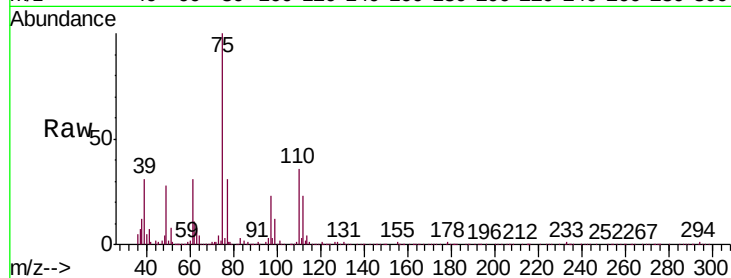
VSTD00596

Tgt Ion: 75 Resp: 61459

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2



#61

Bromoform

Concen: 3.992 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

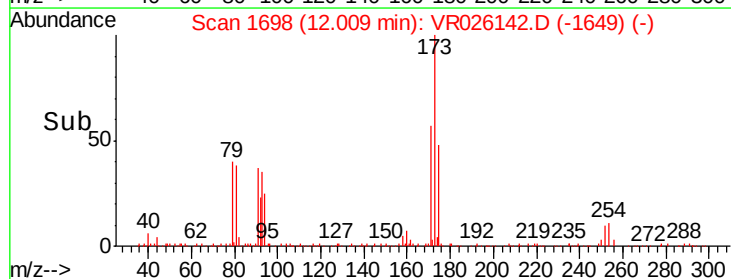
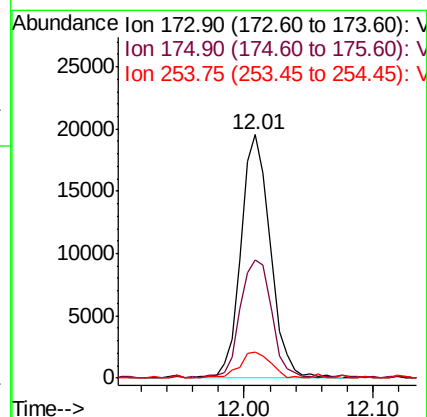
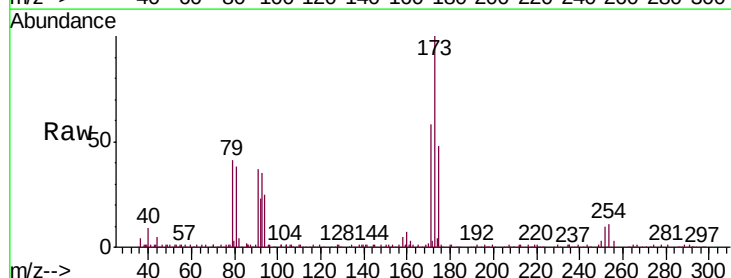
Tgt Ion: 173 Resp: 30874

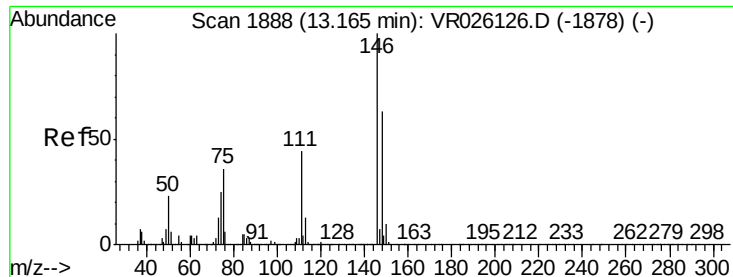
Ion Ratio Lower Upper

173 100

175 51.7 39.0 58.4

254 11.5 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 4.458 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD00596

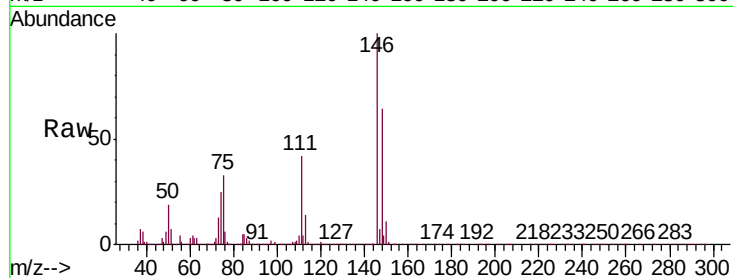
Tgt Ion:146 Resp: 329557

Ion Ratio Lower Upper

146 100

111 42.2 32.1 59.7

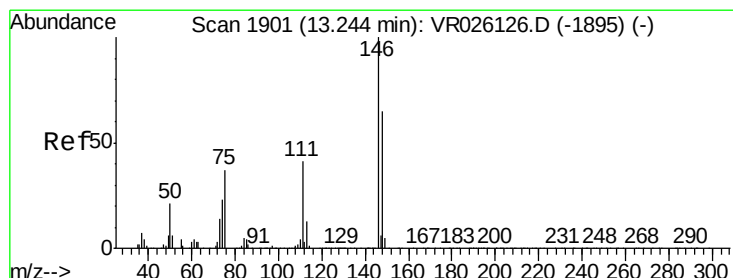
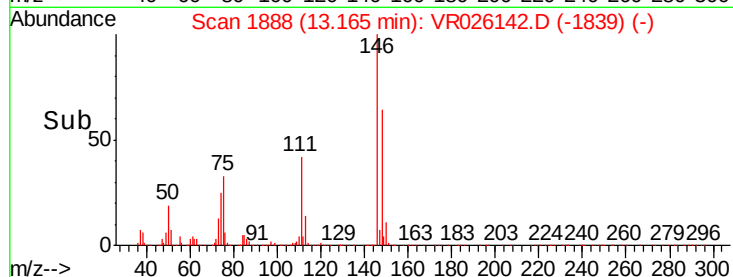
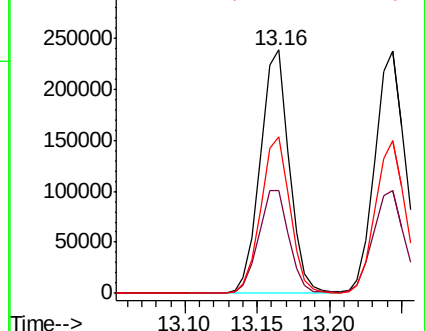
148 64.2 43.8 81.3



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: 4.472 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

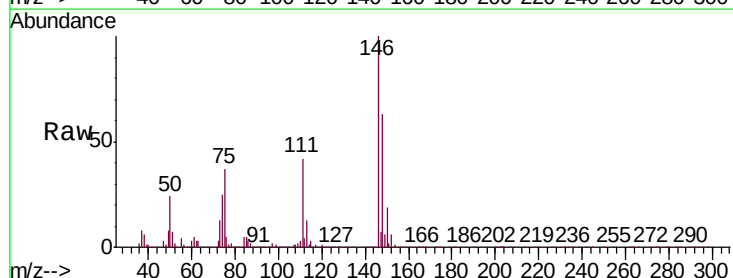
Tgt Ion:146 Resp: 342382

Ion Ratio Lower Upper

146 100

111 42.5 32.6 60.6

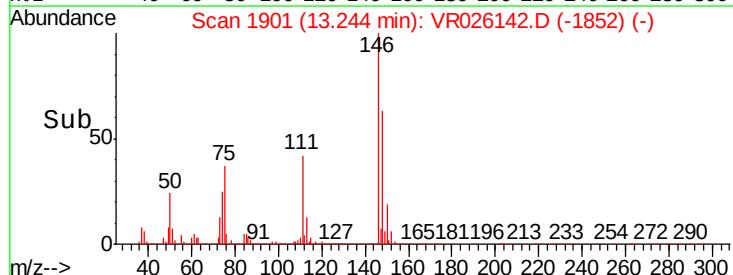
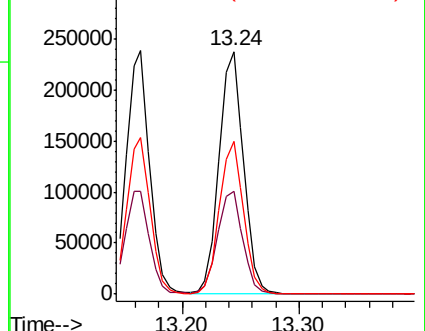
148 63.2 46.7 86.7

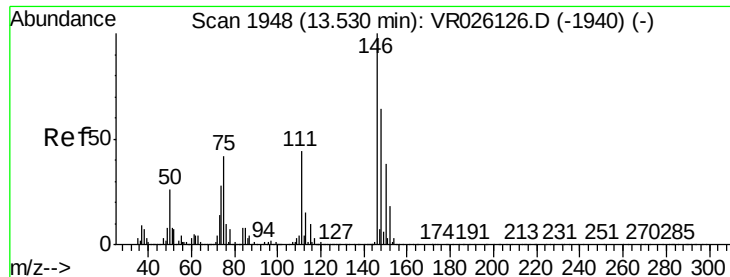


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

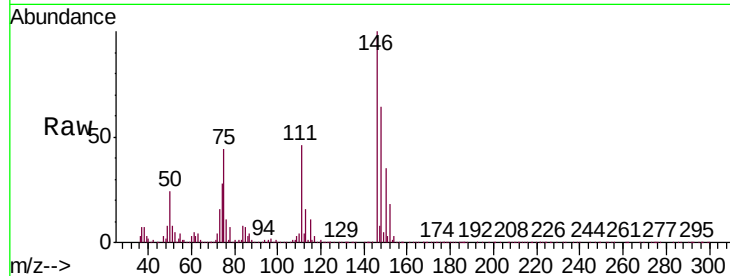




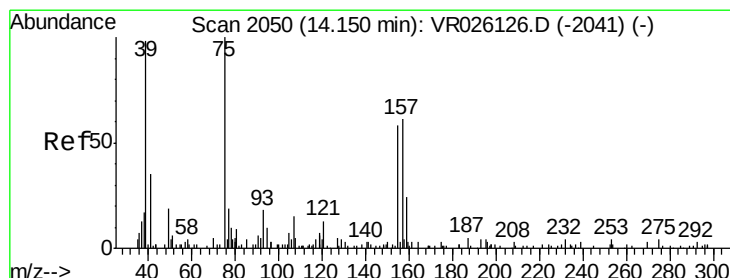
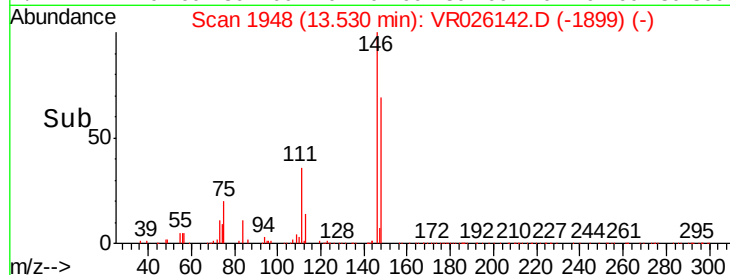
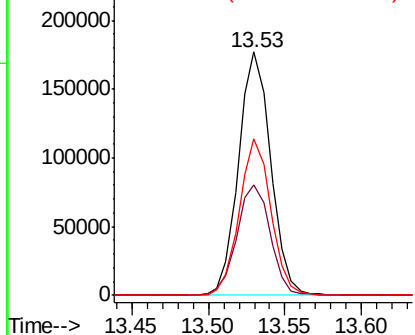
#65
1,2-Dichlorobenzene
Concen: 4.361 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

Instrument :
MSVOA_R
ClientSampleId :
VSTD00596

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.5	35.2	52.8
148	64.4	51.2	76.8

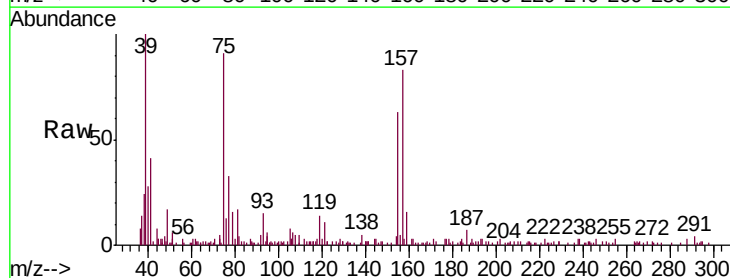


Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

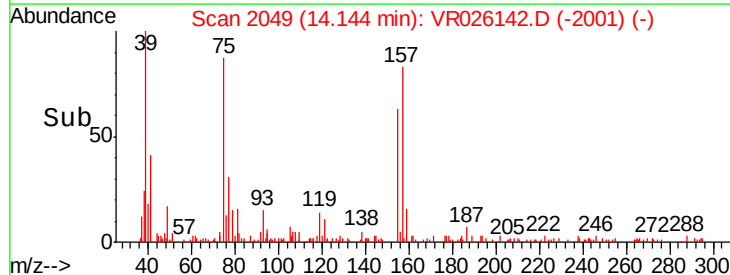
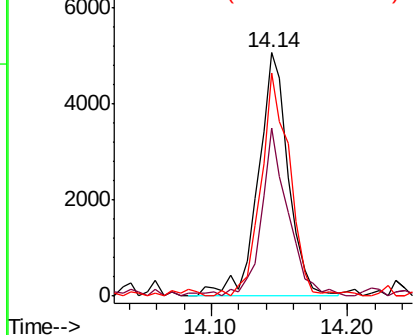


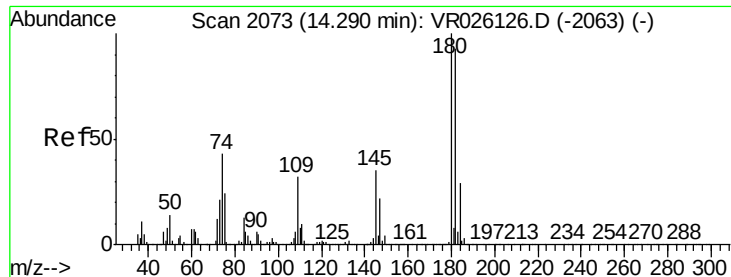
#66
1,2-Dibromo-3-chloropropane
Concen: 3.263 ug/L
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: VR026142.D
Acq: 19 Oct 2018 10:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.2	40.9	61.3#
157	91.8	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

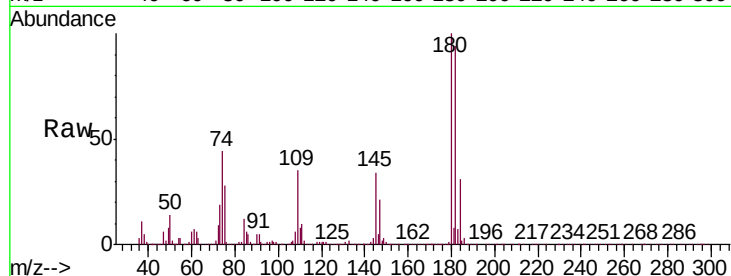




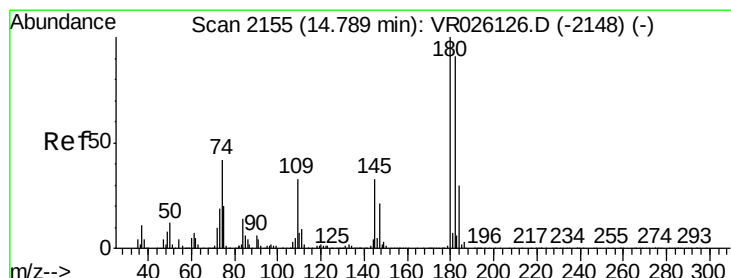
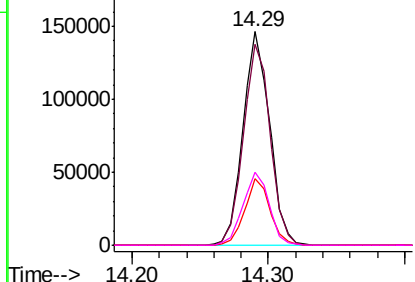
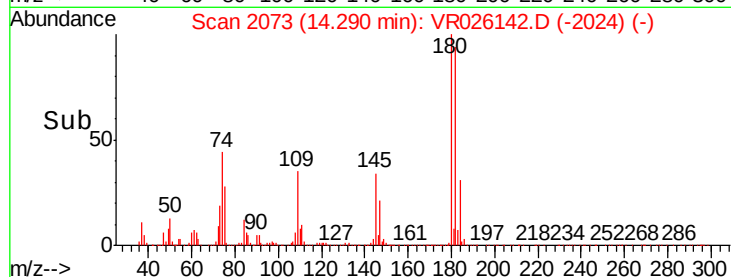
#67
 1,3,5-Trichlorobenzene
 Concen: 4.428 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026142.D
 Acq: 19 Oct 2018 10:13

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00596

Tgt Ion:	180	Resp:	199452
Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.5	116.3
184	29.7	25.0	37.4
145	33.7	27.6	41.4

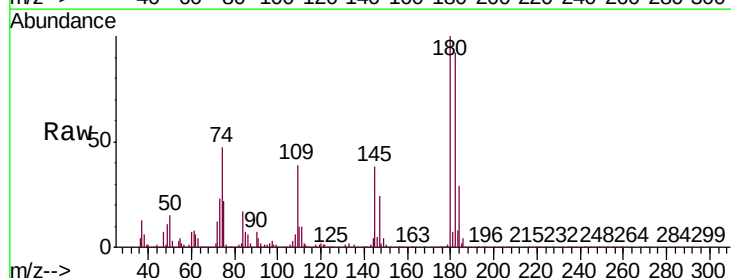


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

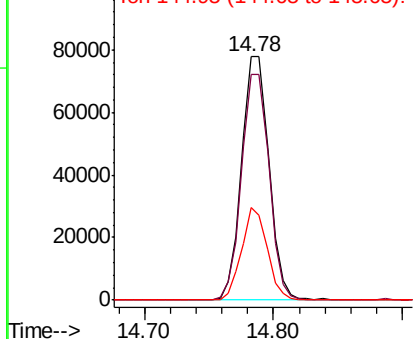
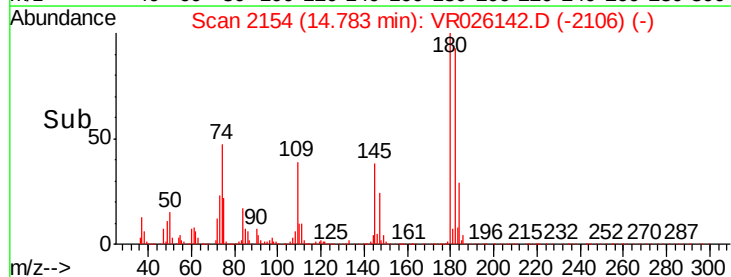


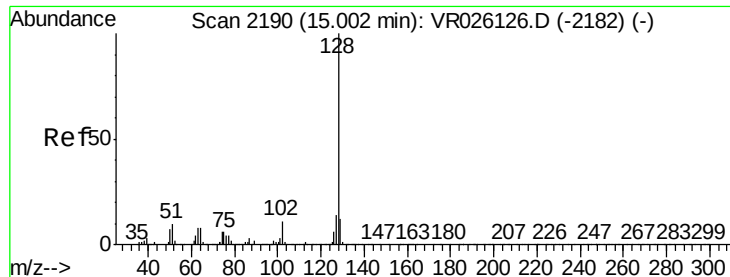
#68
 1,2,4-trichlorobenzene
 Concen: 4.359 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026142.D
 Acq: 19 Oct 2018 10:13

Tgt Ion:	180	Resp:	114601
Ion	Ratio	Lower	Upper
180	100		
182	92.8	76.1	114.1
145	35.5	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: 4.344 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD00596

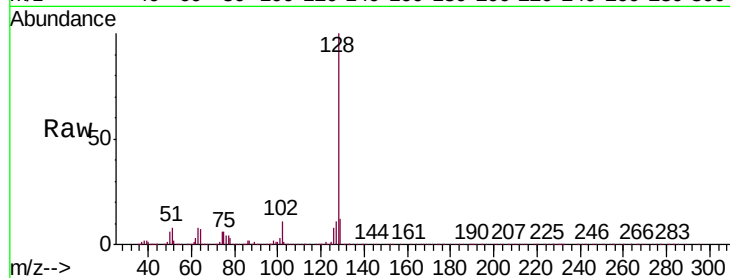
Tgt Ion:128 Resp: 110905

Ion Ratio Lower Upper

128 100

127 12.7 11.0 16.6

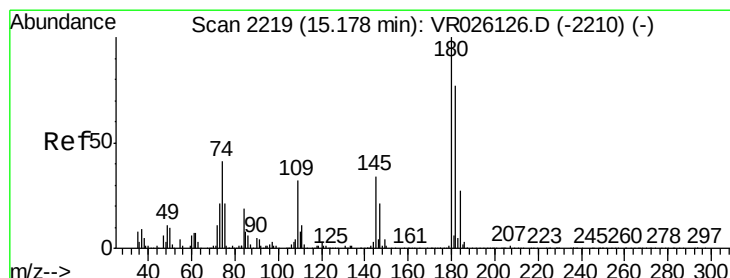
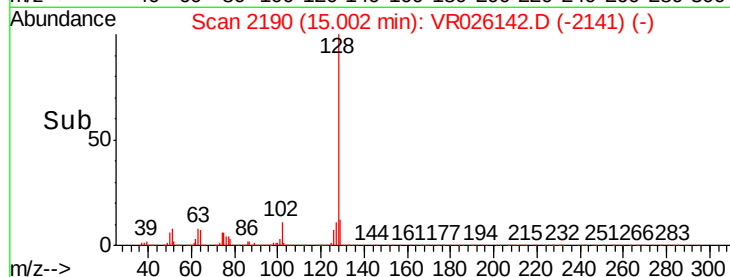
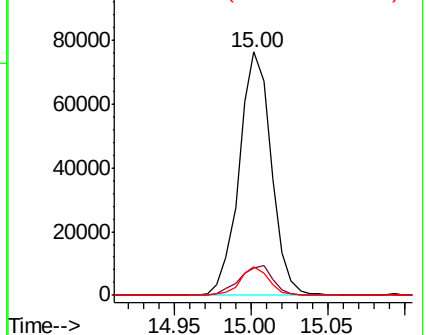
129 10.9 9.1 13.7



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: 4.272 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026142.D

Acq: 19 Oct 2018 10:13

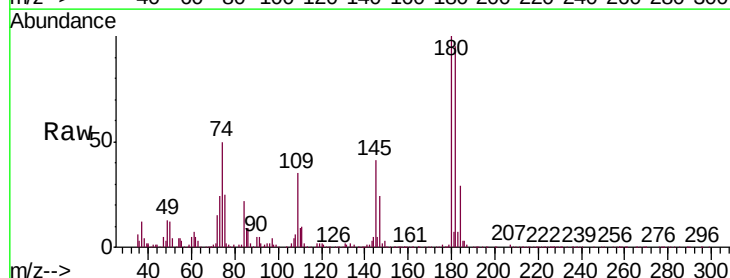
Tgt Ion:180 Resp: 78001

Ion Ratio Lower Upper

180 100

182 94.9 75.7 113.5

145 35.8 28.8 43.2



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

