

Data File : VR026437.D
Acq On : 3 Apr 2019 19:20
Operator : SY/MD
Sample : VSTD00188
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00188

Quant Time: Apr 04 05:53:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 04 04:39:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	507287	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	410342	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	146547	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	37847	0.78	ug/L	-0.01
7) Chloroethane-d5	2.62	69	32209	0.80	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.60	63	100956	0.88	ug/L	0.00
20) 2-Butanone-d5	6.59	46	26775	7.31	ug/L	0.00
24) Chloroform-d	7.20	84	68793	0.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	29470	0.89	ug/L	0.00
32) Benzene-d6	7.85	84	113946	0.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	29876	0.77	ug/L	0.00
41) Toluene-d8	9.97	98	99227	0.72	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	6479	0.63	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	16717	6.37	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	13839	0.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	19111	0.76	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	57046	1.278 ug/L	93
3) Chloromethane	2.01	50	62996	1.168 ug/L	87
5) Vinyl chloride	2.15	62	61082	1.164 ug/L	95
6) Bromomethane	2.52	94	35341	1.169 ug/L	90
8) Chloroethane	2.66	64	35282	1.131 ug/L	97
9) Trichlorofluoromethane	2.93	101	79765	1.148 ug/L #	65
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	46435	1.162 ug/L	98
12) 1,1-Dichloroethene	3.63	96	48725	1.104 ug/L	88
13) Acetone	3.70	43	41507	12.580 ug/L	99
14) Carbon disulfide	3.93	76	141829	1.021 ug/L	99
15) Methyl Acetate	4.18	43	10328	1.127 ug/L #	86
16) Methylene chloride	4.41	84	47630	1.228 ug/L	92
17) Methyl tert-butyl Ether	4.89	73	51201	1.182 ug/L #	88
18) trans-1,2-Dichloroethene	4.89	96	45241	1.111 ug/L	94
19) 1,1-Dichloroethane	5.69	63	82674	1.102 ug/L	97
21) 2-Butanone	6.69	43	44808	10.810 ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	32623	0.960 ug/L #	74
23) Bromochloromethane	7.04	128	12695	1.197 ug/L #	90
25) Chloroform	7.23	83	77993	1.086 ug/L	99
27) 1,2-Dichloroethane	7.99	62	40976	1.193 ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	70995	1.155 ug/L	99
30) Cyclohexane	7.53	56	55334	0.950 ug/L	99
31) Carbon tetrachloride	7.63	117	68946	1.206 ug/L	98
33) Benzene	7.91	78	164732	1.036 ug/L	100
34) Trichloroethene	8.71	95	43732	1.086 ug/L	91
35) Methylcyclohexane	8.95	83	56337	0.980 ug/L	97
37) 1,2-Dichloropropane	9.00	63	38204	1.132 ug/L #	96
38) Bromodichloromethane	9.28	83	42392	1.092 ug/L	100
39) cis-1,3-Dichloropropene	9.72	75	30050	0.806 ug/L	91
40) 4-Methyl-2-pentanone	9.87	43	96717	10.340 ug/L	97

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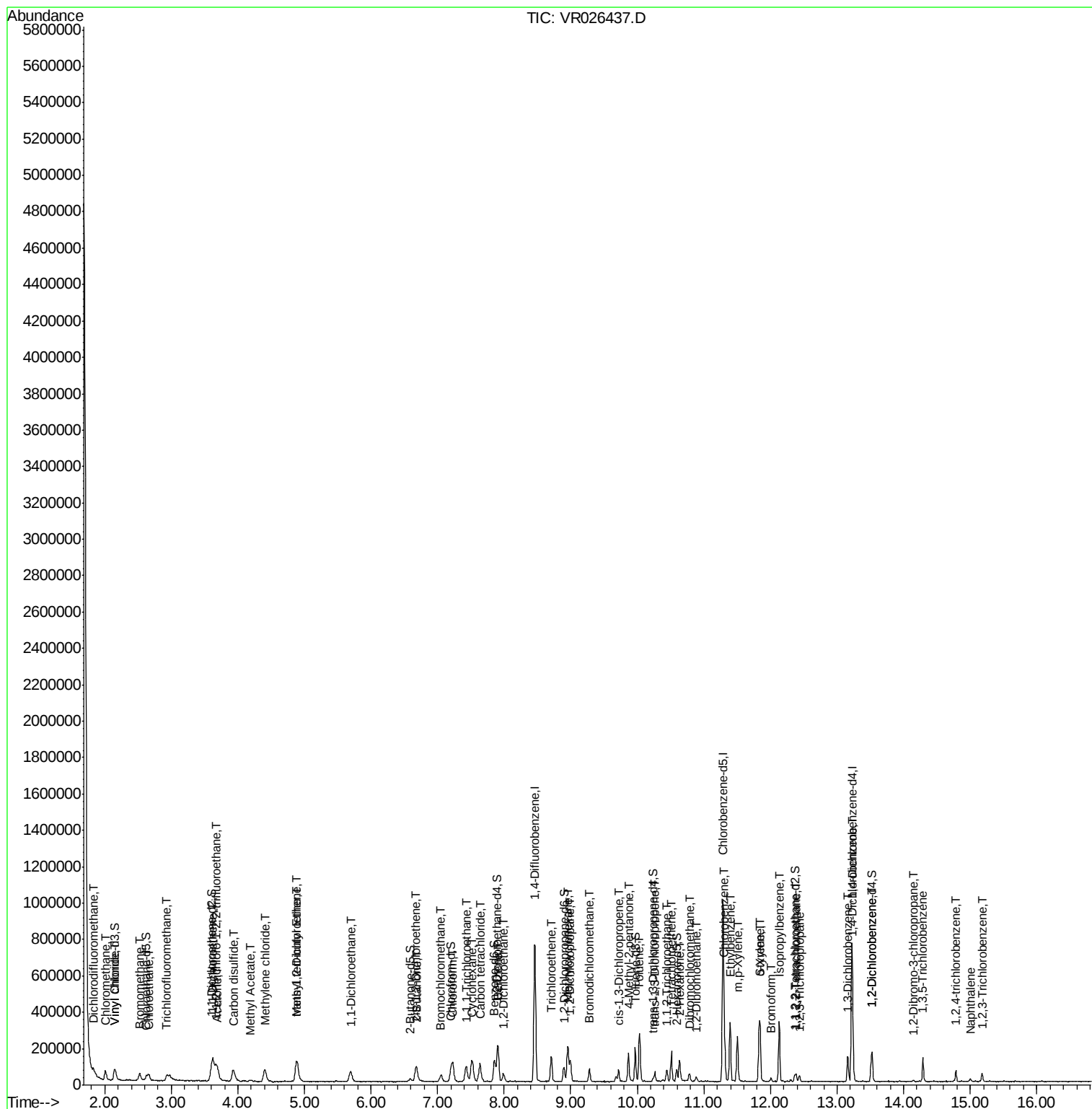
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	165373	1.032	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	25477	0.947	ug/L	95
45) 1,1,2-Trichloroethane	10.44	97	15397	1.106	ug/L	97
47) Tetrachloroethene	10.51	164	31461	1.084	ug/L	90
48) 2-Hexanone	10.63	43	68213	10.567	ug/L	95
49) Dibromochloromethane	10.79	129	19474	1.122	ug/L	95
50) 1,2-Dibromoethane	10.88	107	12810	1.155	ug/L #	98
51) Chlorobenzene	11.31	112	98881	1.132	ug/L	97
52) Ethylbenzene	11.39	91	185857	1.031	ug/L	99
53) m,p-Xylene	11.50	106	62865	0.985	ug/L	98
54) o-Xylene	11.83	106	50840	0.905	ug/L	96
55) Styrene	11.84	104	90954	1.022	ug/L	94
56) Isopropylbenzene	12.13	105	157153	0.983	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.39	83	14401	1.132	ug/L #	96
59) 1,2,3-Trichloropropane	12.43	75	10299	1.086	ug/L #	74
61) Bromoform	12.01	173	7105	1.049	ug/L #	95
62) 1,3-Dichlorobenzene	13.16	146	42253	0.931	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	58066	1.165	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	39958	1.072	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	1515	1.094	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.29	180	29607	1.053	ug/L	96
68) 1,2,4-trichlorobenzene	14.79	180	14668	0.910	ug/L	94
69) Naphthalene	15.00	128	10432	0.697	ug/L #	96
70) 1,2,3-Trichlorobenzene	15.18	180	10582	0.935	ug/L	91

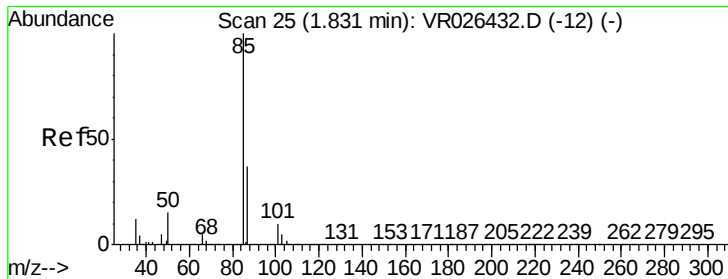
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.278 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

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Acq: 3 Apr 2019 19:20

Instrument :

MSVOA_R

ClientSampleId :

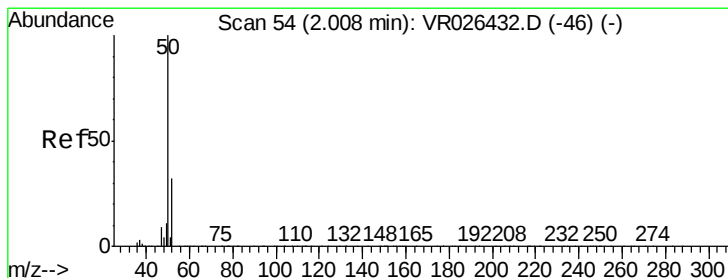
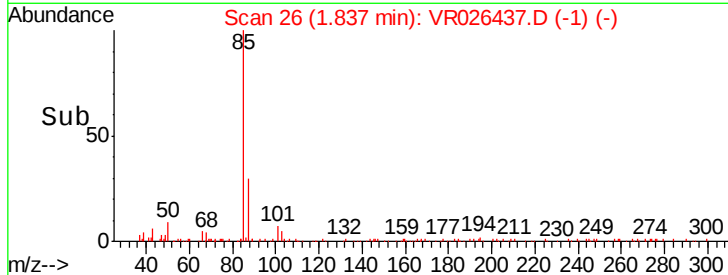
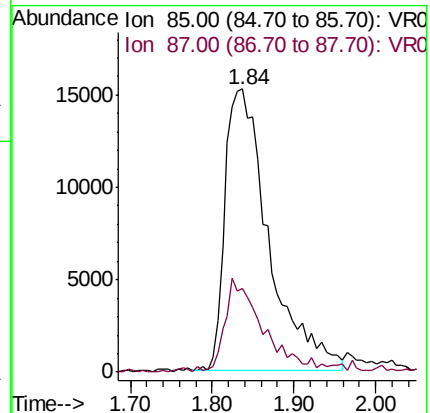
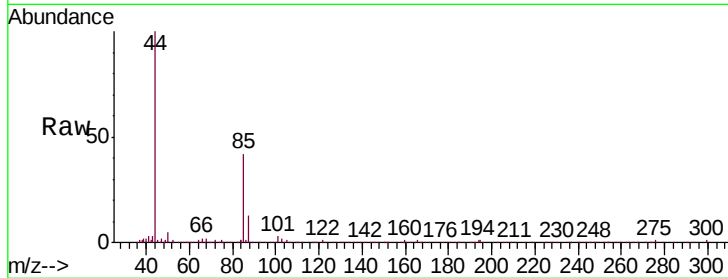
VSTD00188

Tgt Ion: 85 Resp: 57046

Ion Ratio Lower Upper

85 100

87 28.1 25.5 38.3



#3

Chloromethane

Concen: 1.168 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.00 min

Lab File: VR026437.D

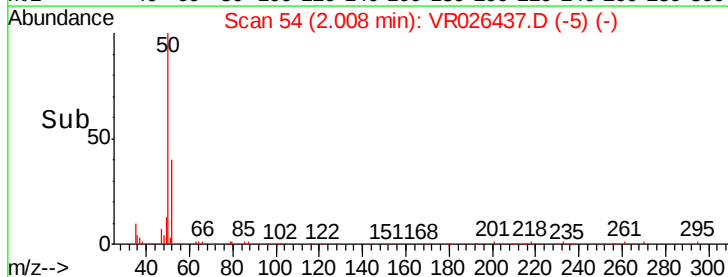
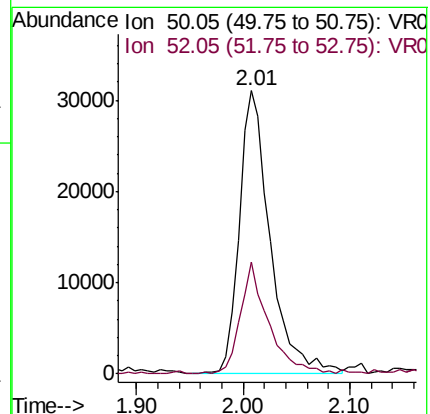
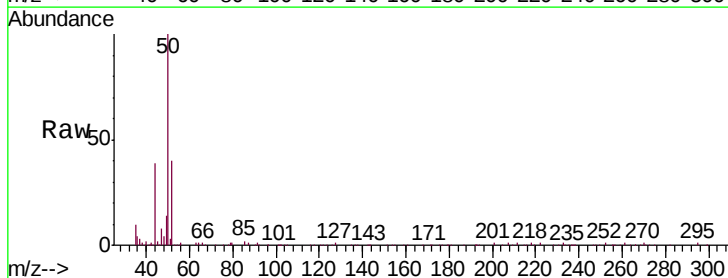
Acq: 3 Apr 2019 19:20

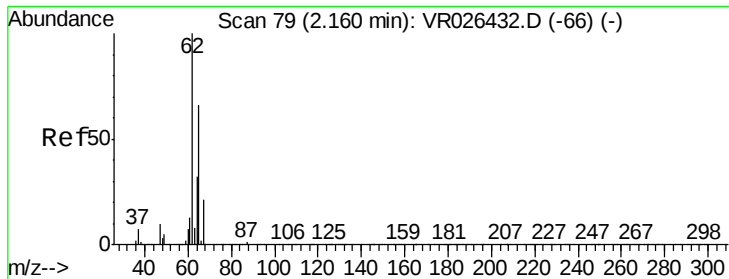
Tgt Ion: 50 Resp: 62996

Ion Ratio Lower Upper

50 100

52 39.5 22.5 41.9





#5

Vinyl chloride

Concen: 1.164 ug/L

RT: 2.15 min Scan# 78

Delta R.T. -0.01 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

Instrument :

MSVOA_R

ClientSampleId :

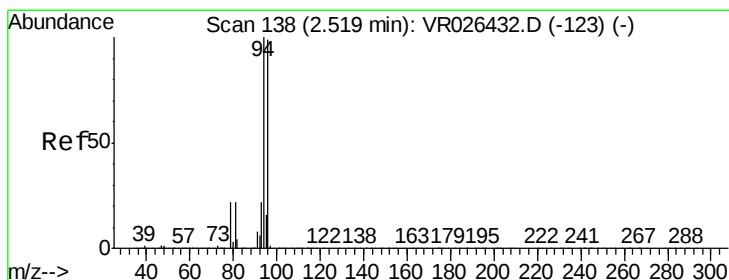
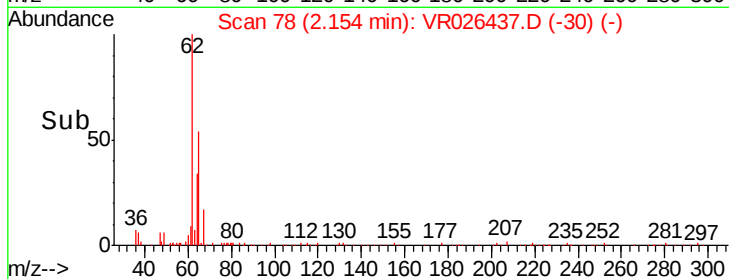
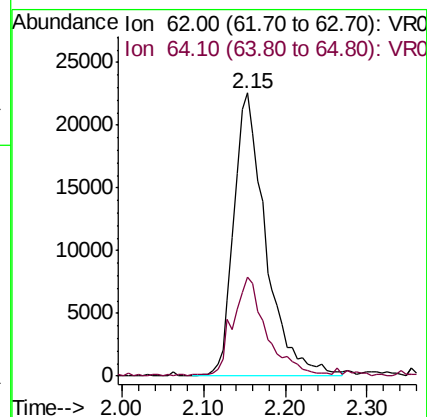
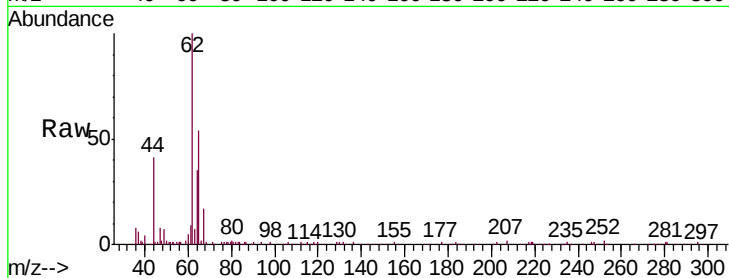
VSTD00188

Tgt Ion: 62 Resp: 61082

Ion Ratio Lower Upper

62 100

64 34.9 22.3 41.5



#6

Bromomethane

Concen: 1.169 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.01 min

Lab File: VR026437.D

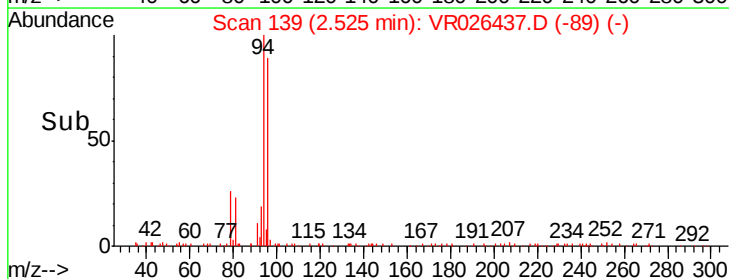
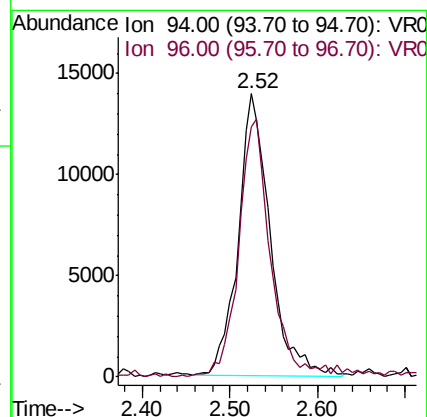
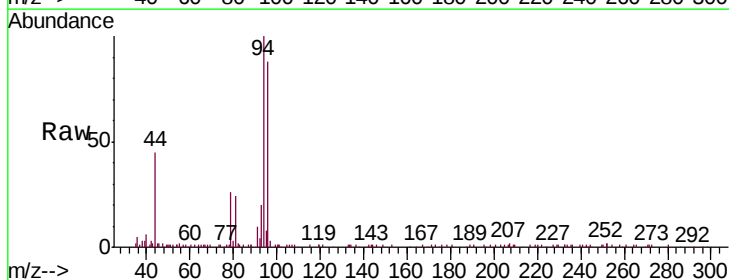
Acq: 3 Apr 2019 19:20

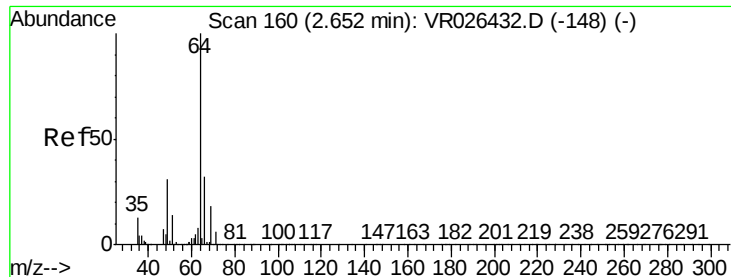
Tgt Ion: 94 Resp: 35341

Ion Ratio Lower Upper

94 100

96 88.4 69.1 128.3





#8

Chloroethane

Concen: 1.131 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

Instrument :

MSVOA_R

ClientSampleId :

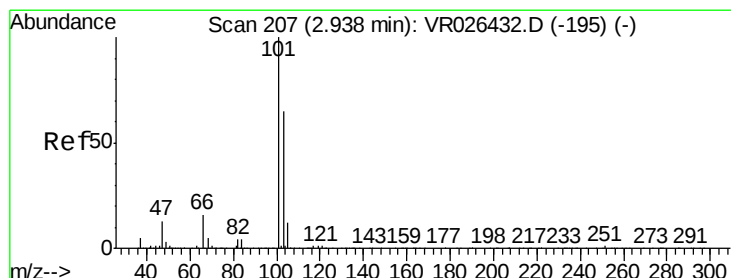
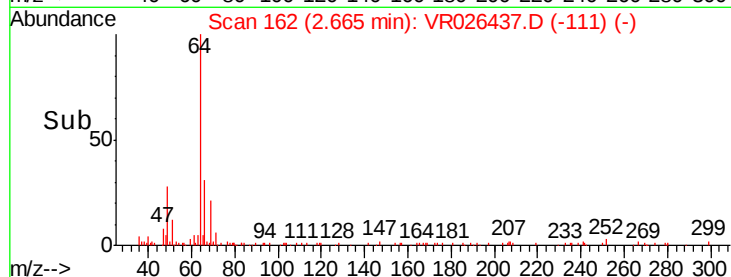
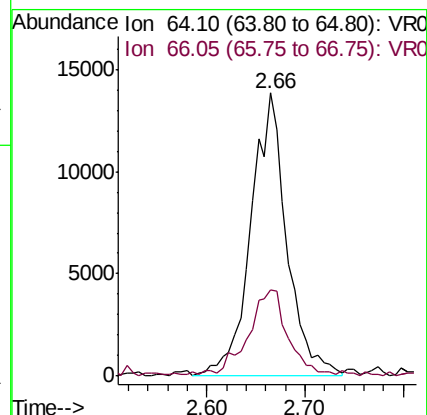
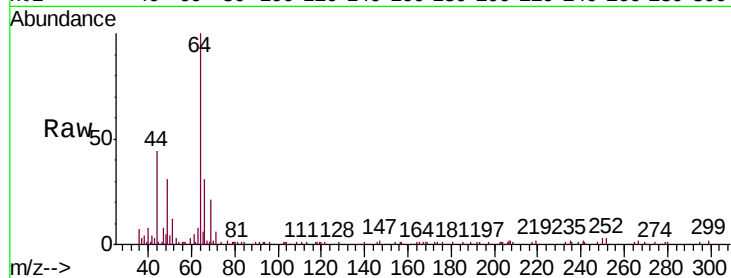
VSTD00188

Tgt Ion: 64 Resp: 35282

Ion Ratio Lower Upper

64 100

66 30.6 22.4 41.6



#9

Trichlorofluoromethane

Concen: 1.148 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.01 min

Lab File: VR026437.D

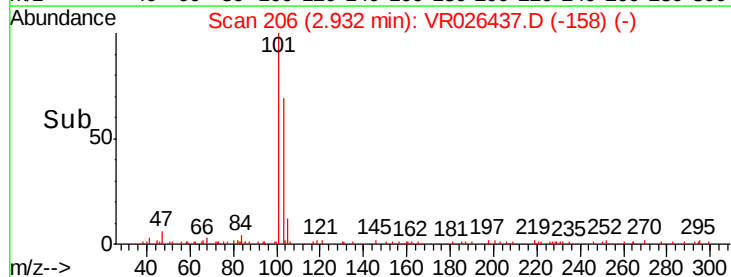
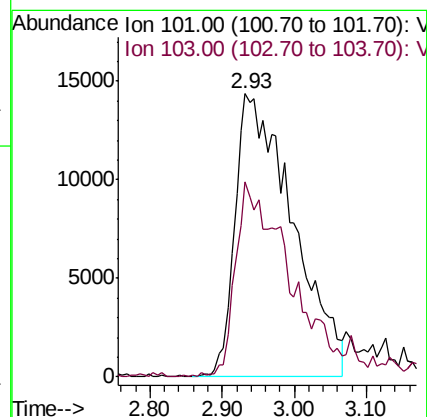
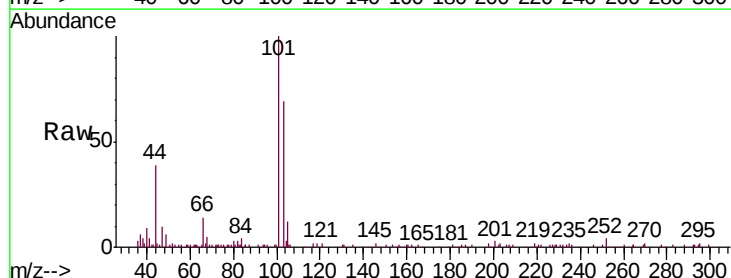
Acq: 3 Apr 2019 19:20

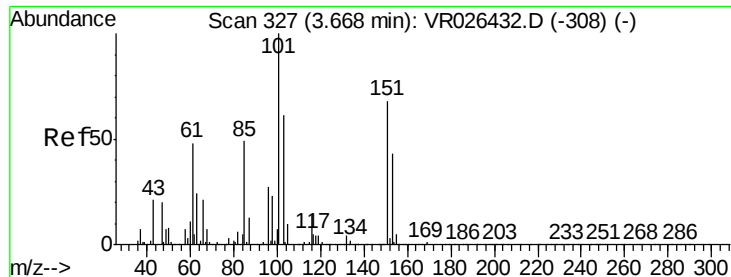
Tgt Ion: 101 Resp: 79765

Ion Ratio Lower Upper

101 100

103 33.9 48.2 72.2#





#10

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

Concen: 1.162 ug/L

RT: 3.67 min Scan# 328

Delta R.T. 0.01 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00188

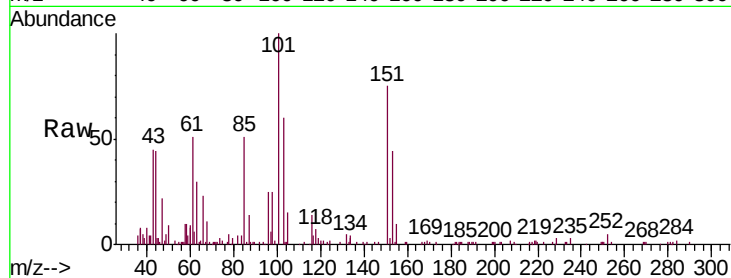
Tgt Ion:101 Resp: 46435

Ion Ratio Lower Upper

101 100

85 49.7 39.2 58.8

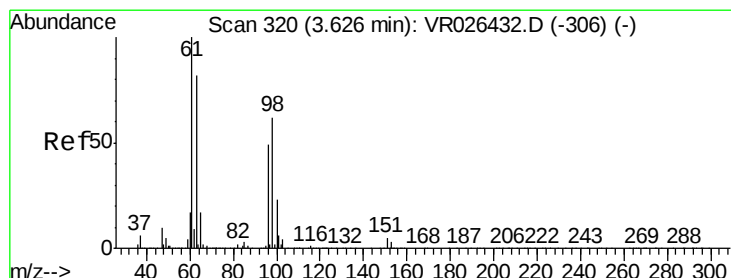
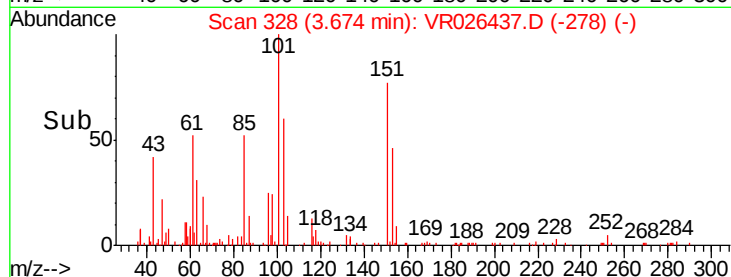
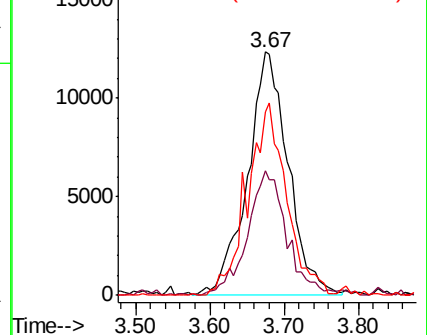
151 76.8 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.104 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.00 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

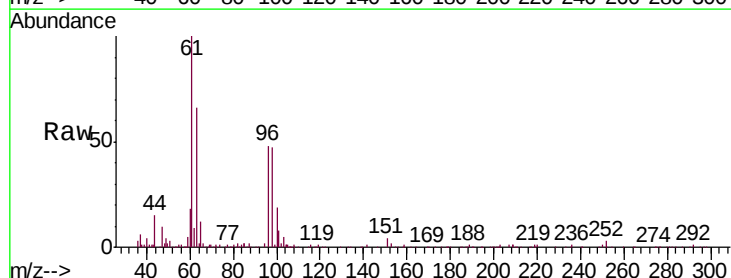
Tgt Ion: 96 Resp: 48725

Ion Ratio Lower Upper

96 100

61 209.7 142.7 264.9

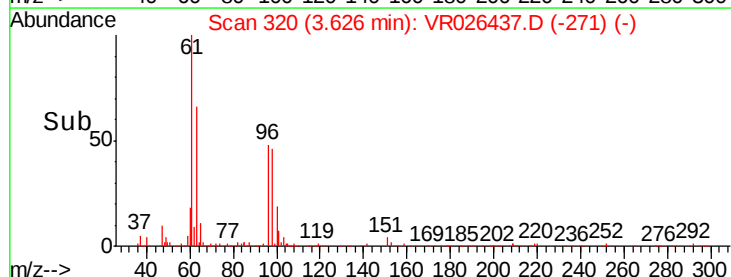
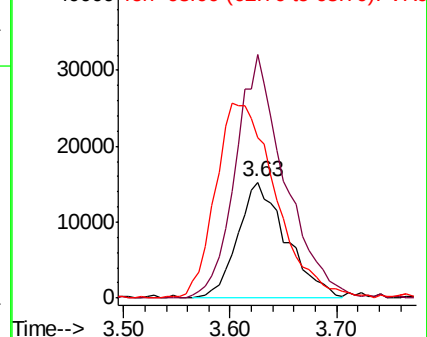
63 138.6 116.9 217.1

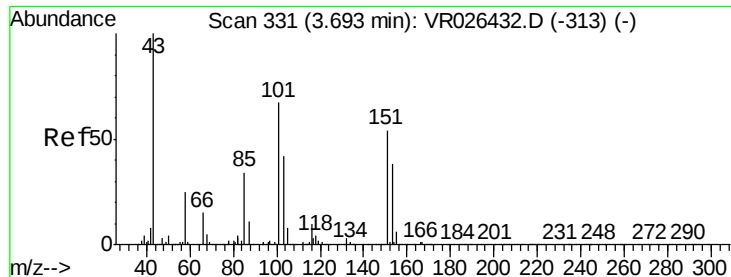


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 12.580 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

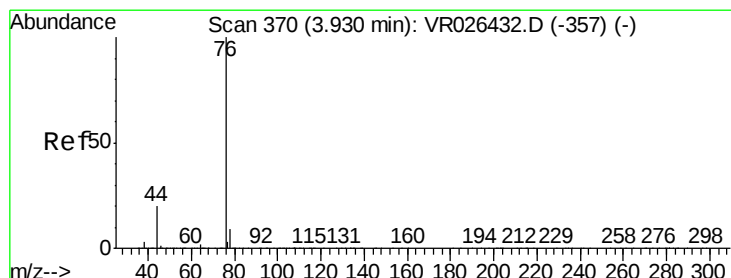
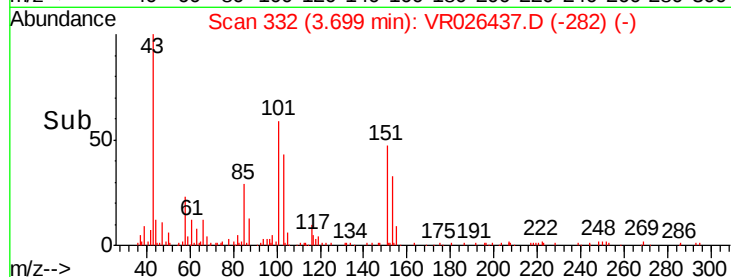
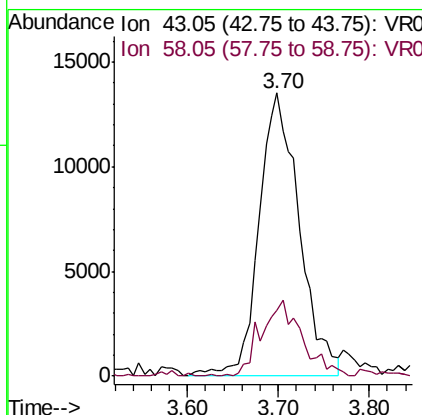
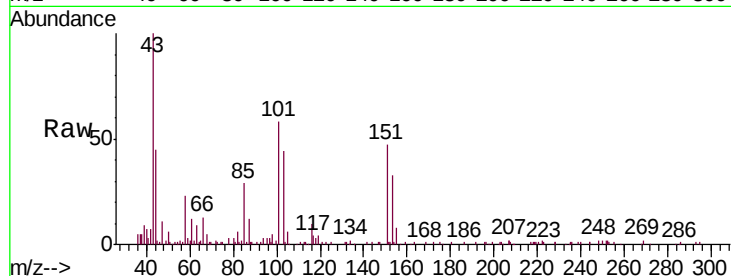
Instrument :
MSVOA_R
ClientSampleId :
VSTD00188

Tgt Ion: 43 Resp: 41507

Ion Ratio Lower Upper

43 100

58 27.2 0.0 53.8



#14

Carbon disulfide

Concen: 1.021 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.00 min

Lab File: VR026437.D

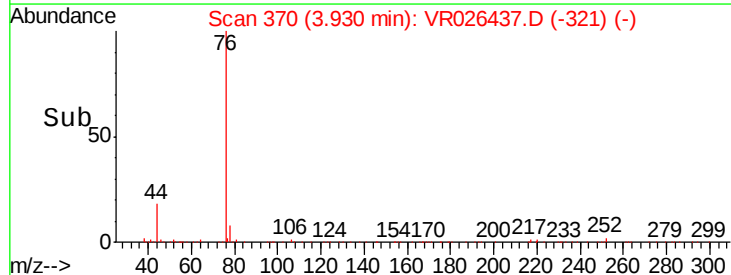
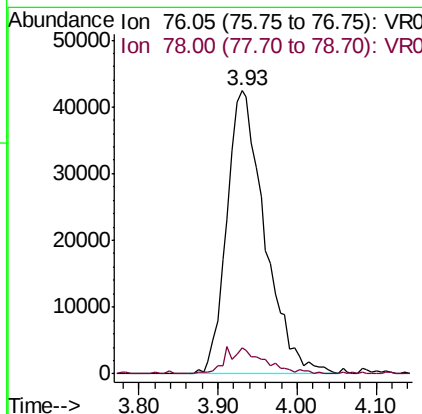
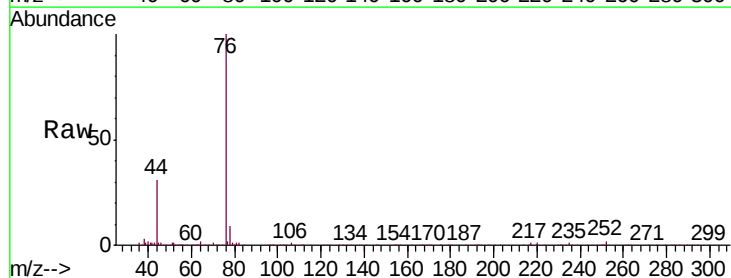
Acq: 3 Apr 2019 19:20

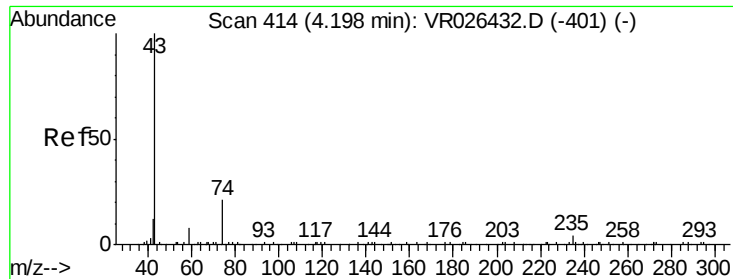
Tgt Ion: 76 Resp: 141829

Ion Ratio Lower Upper

76 100

78 9.4 7.7 11.5

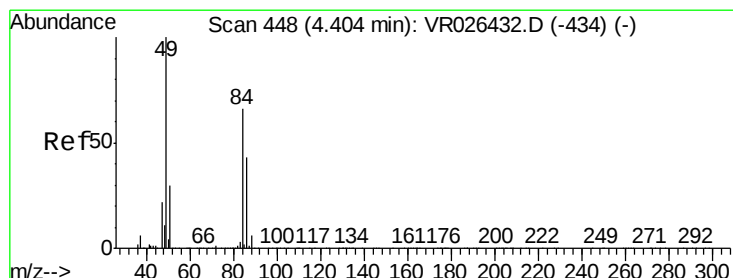
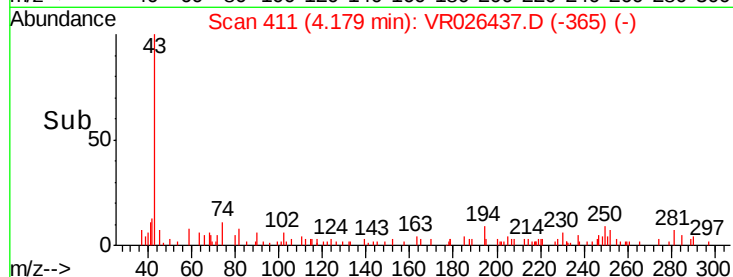
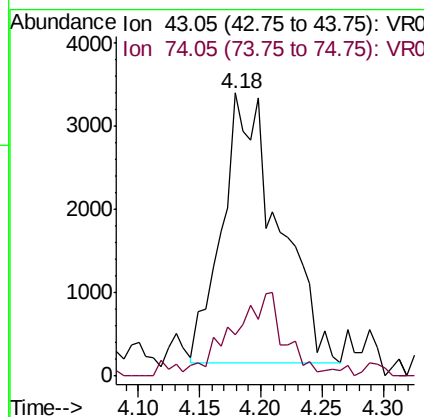
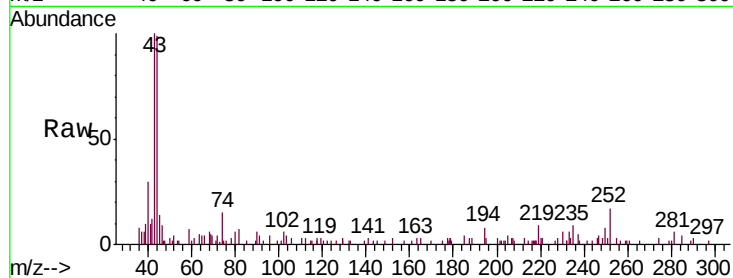




#15
Methyl Acetate
Concen: 1.127 ug/L
RT: 4.18 min Scan# 411
Delta R.T. -0.02 min
Lab File: VR026437.D
Acq: 3 Apr 2019 19:20

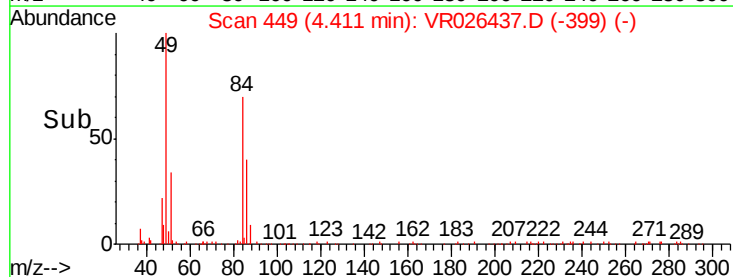
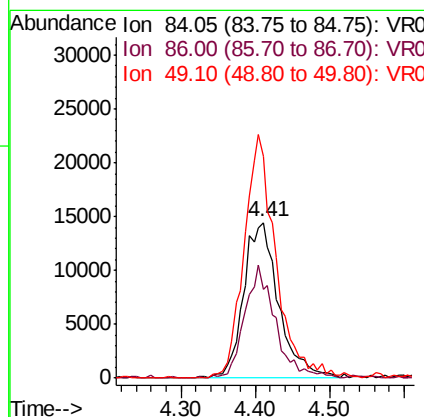
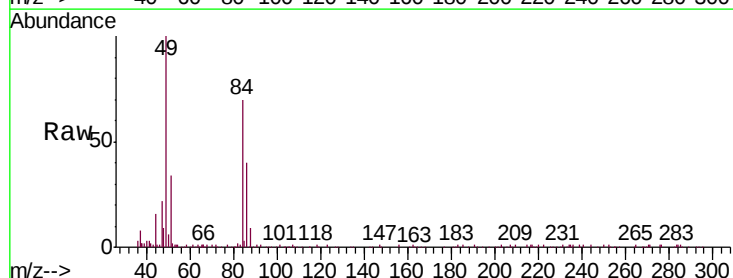
Instrument :
MSVOA_R
ClientSampleId :
VSTD00188

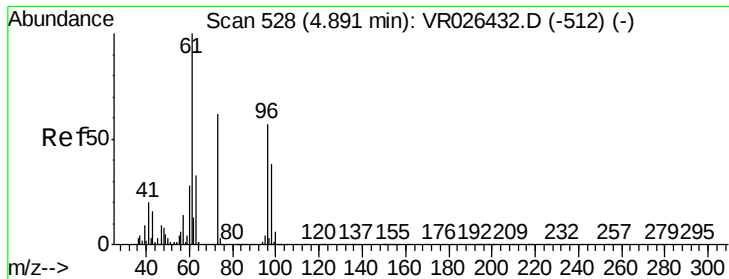
Tgt Ion: 43 Resp: 10328
Ion Ratio Lower Upper
43 100
74 28.5 17.5 26.3#



#16
Methylene chloride
Concen: 1.228 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR026437.D
Acq: 3 Apr 2019 19:20

Tgt Ion: 84 Resp: 47630
Ion Ratio Lower Upper
84 100
86 57.1 45.6 84.6
49 142.4 106.5 197.9

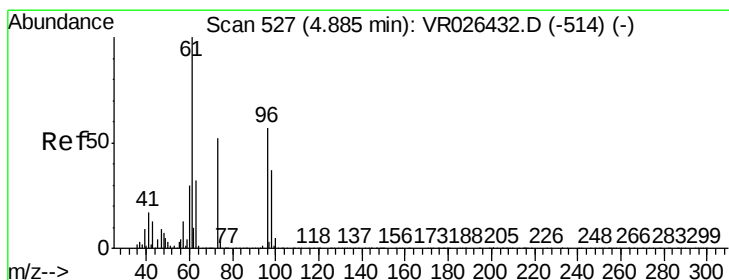
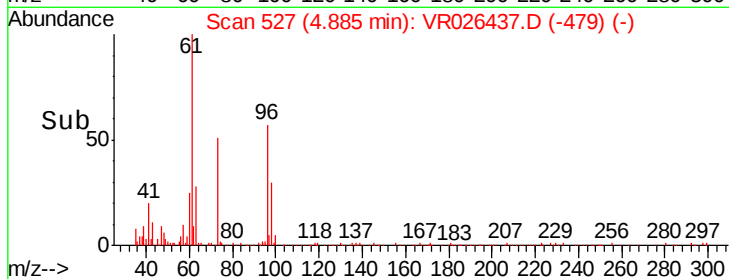
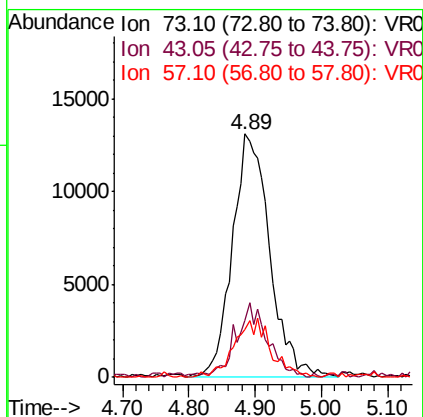
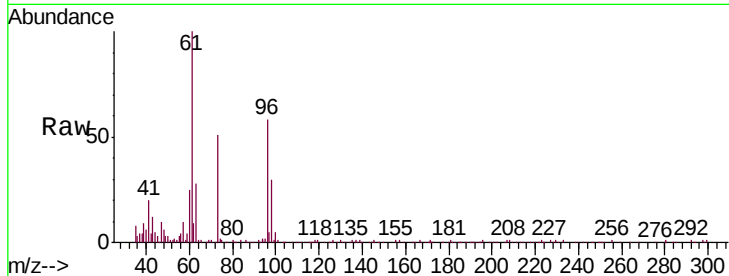




#17
Methyl tert-butyl Ether
Concen: 1.182 ug/L
RT: 4.89 min Scan# 527
Delta R.T. -0.01 min
Lab File: VR026437.D
Acq: 3 Apr 2019 19:20

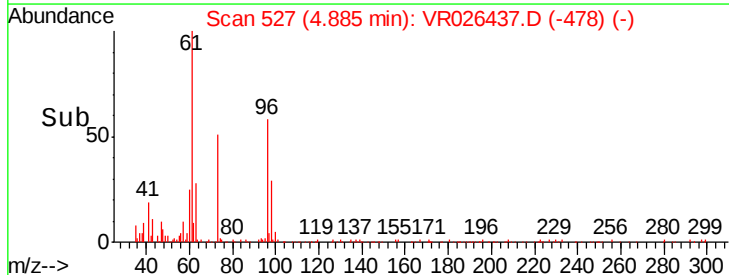
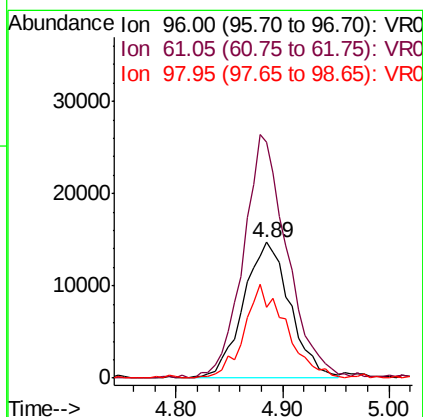
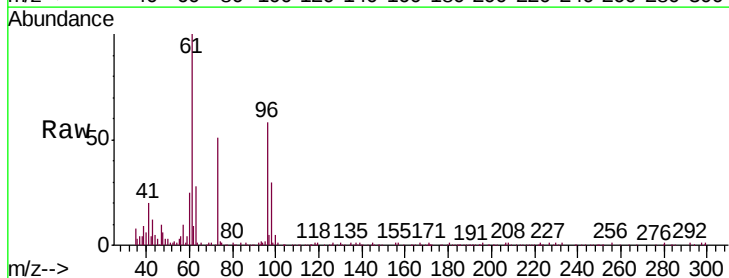
Instrument :
MSVOA_R
ClientSampleId :
VSTD00188

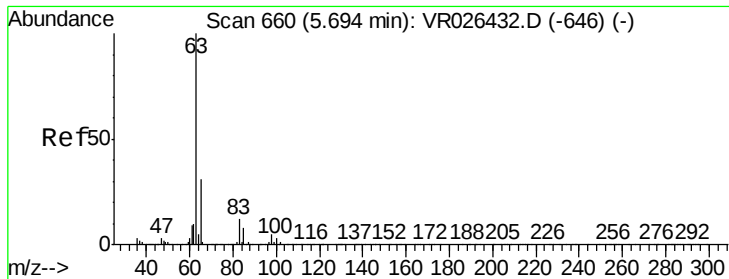
Tgt Ion: 73 Resp: 51201
Ion Ratio Lower Upper
73 100
43 25.5 19.8 29.8
57 11.9 18.9 28.3#



#18
trans-1,2-Dichloroethene
Concen: 1.111 ug/L
RT: 4.89 min Scan# 527
Delta R.T. -0.00 min
Lab File: VR026437.D
Acq: 3 Apr 2019 19:20

Tgt Ion: 96 Resp: 45241
Ion Ratio Lower Upper
96 100
61 173.1 122.9 228.3
98 51.6 45.2 84.0





#19

1,1-Dichloroethane

Concen: 1.102 ug/L

RT: 5.69 min Scan# 660

Delta R.T. -0.00 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00188

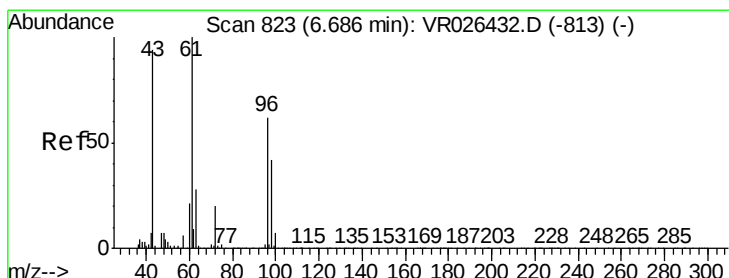
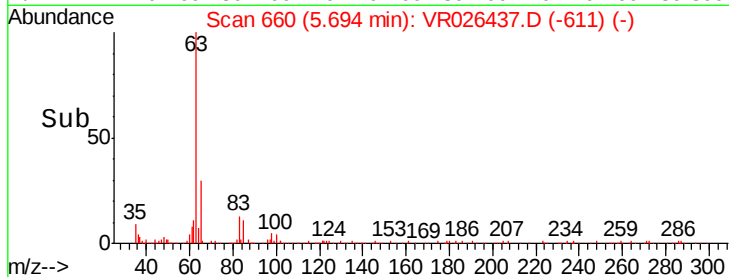
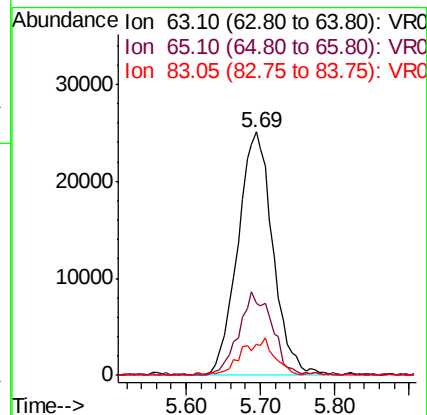
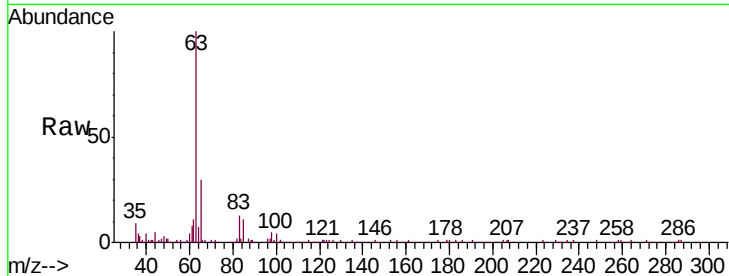
Tgt Ion: 63 Resp: 82674

Ion Ratio Lower Upper

63 100

65 29.6 22.0 40.8

83 13.0 8.2 15.2



#21

2-Butanone

Concen: 10.810 ug/L

RT: 6.69 min Scan# 823

Delta R.T. -0.00 min

Lab File: VR026437.D

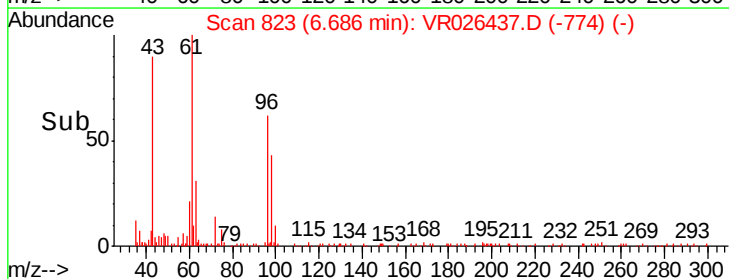
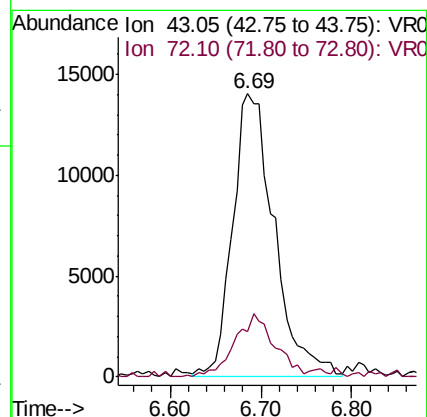
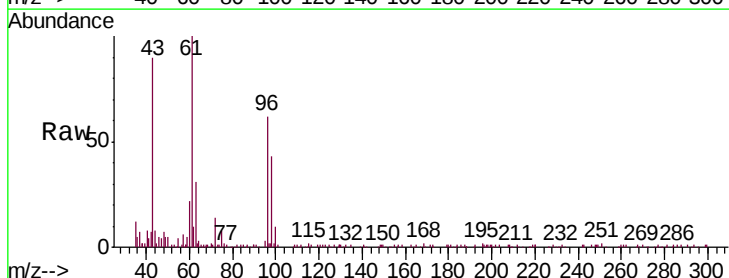
Acq: 3 Apr 2019 19:20

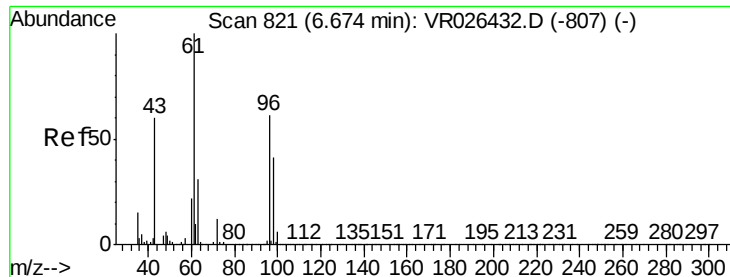
Tgt Ion: 43 Resp: 44808

Ion Ratio Lower Upper

43 100

72 21.4 11.1 33.3



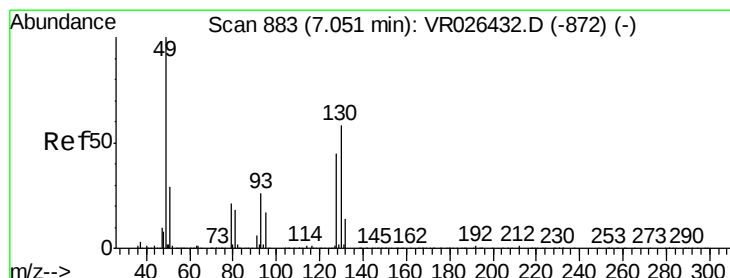
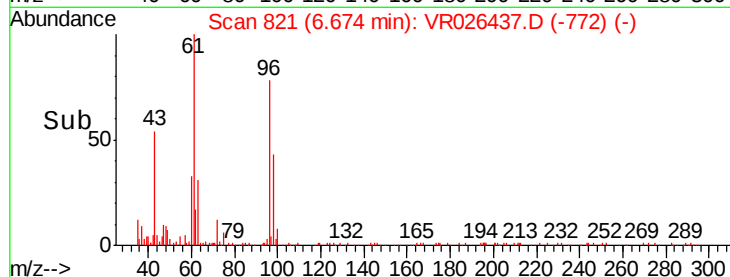
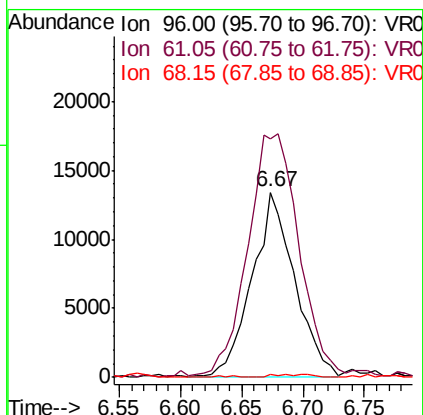
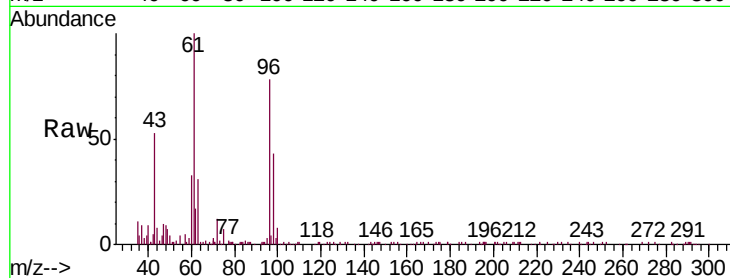


#22

cis-1,2-Dichloroethene
 Concen: 0.960 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: VR026437.D
 Acq: 3 Apr 2019 19:20

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00188

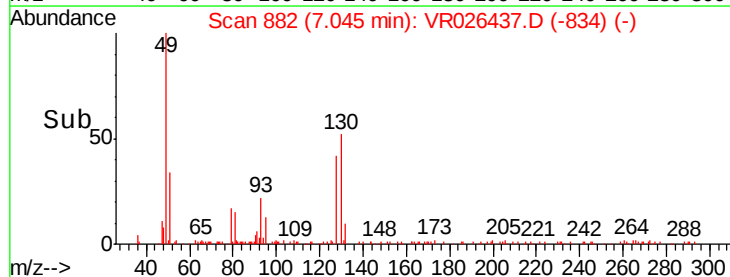
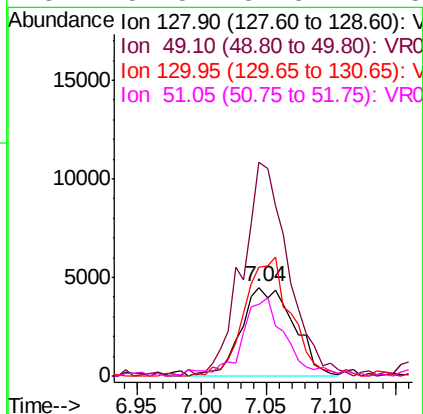
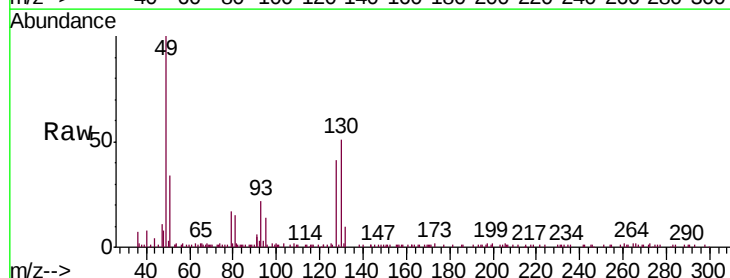
Tgt Ion: 96 Resp: 32623
 Ion Ratio Lower Upper
 96 100
 61 128.9 115.0 213.6
 68 1.7 0.0 0.0#

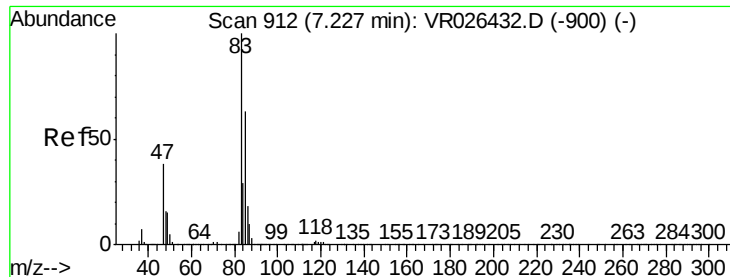


#23

Bromochloromethane
 Concen: 1.197 ug/L
 RT: 7.04 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: VR026437.D
 Acq: 3 Apr 2019 19:20

Tgt Ion: 128 Resp: 12695
 Ion Ratio Lower Upper
 128 100
 49 241.8 158.3 293.9
 130 123.9 90.0 167.2
 51 81.8 51.8 77.8#

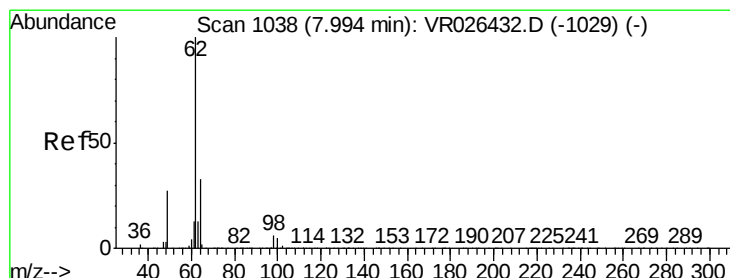
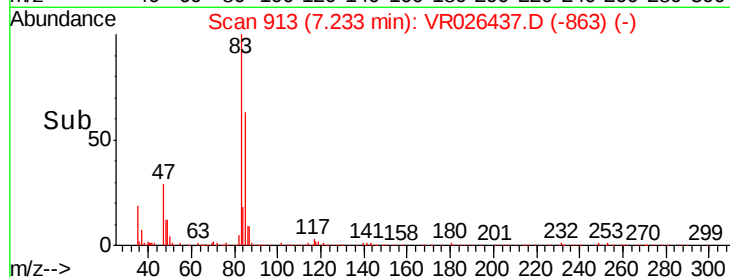
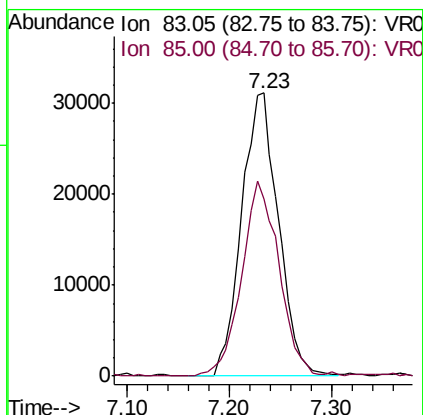
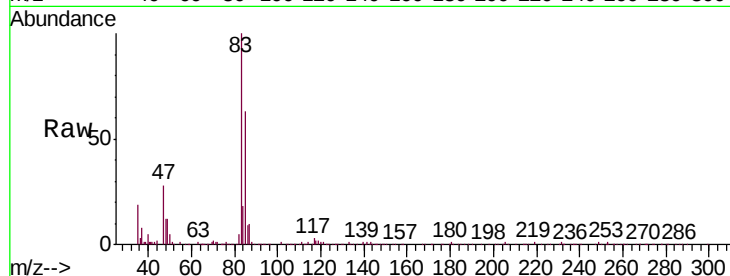




#25
Chloroform
Concen: 1.086 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR026437.D
Acq: 3 Apr 2019 19:20

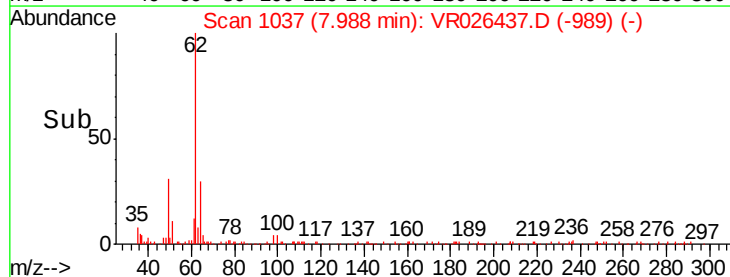
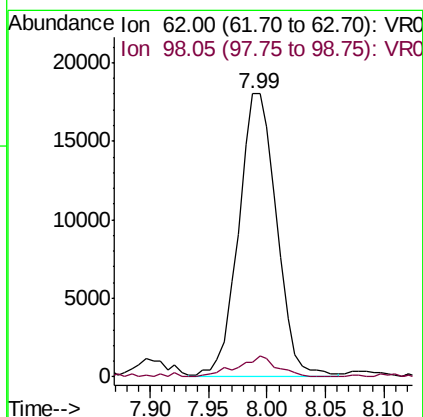
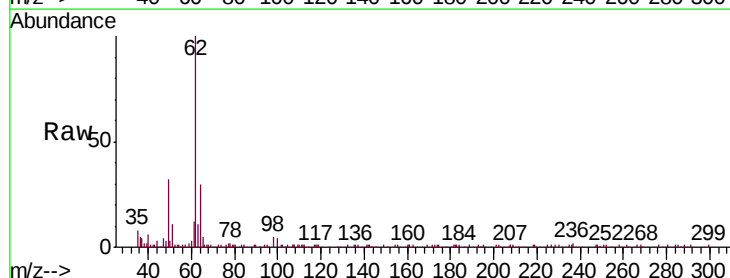
Instrument :
MSVOA_R
ClientSampleId :
VSTD00188

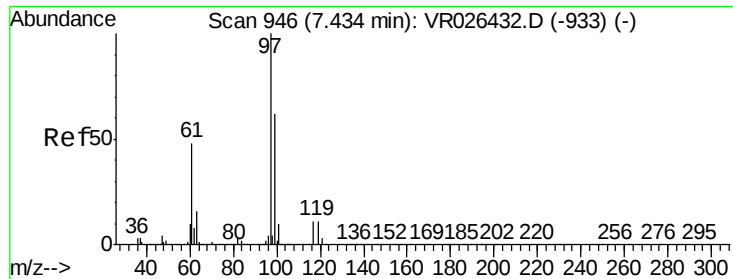
Tgt Ion: 83 Resp: 77993
Ion Ratio Lower Upper
83 100
85 62.6 44.2 82.0



#27
1,2-Dichloroethane
Concen: 1.193 ug/L
RT: 7.99 min Scan# 1037
Delta R.T. -0.01 min
Lab File: VR026437.D
Acq: 3 Apr 2019 19:20

Tgt Ion: 62 Resp: 40976
Ion Ratio Lower Upper
62 100
98 4.9 4.8 7.2

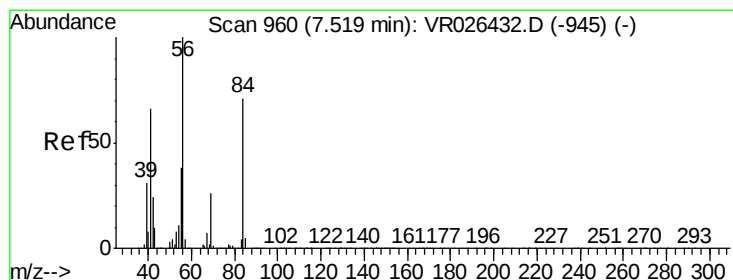
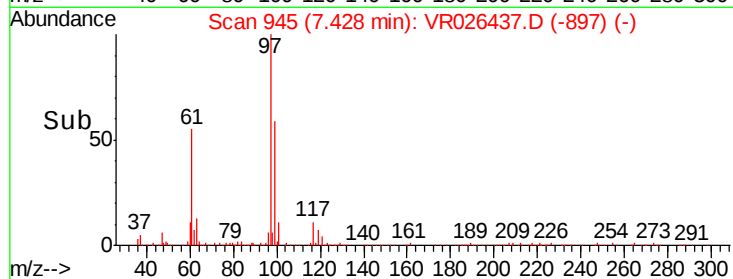
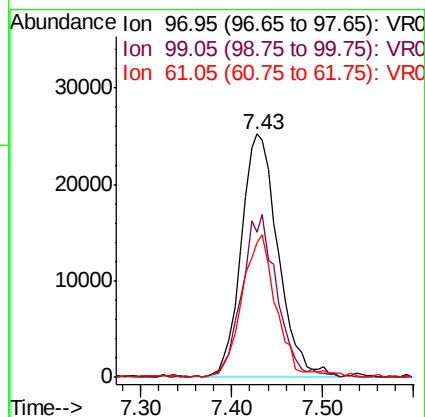
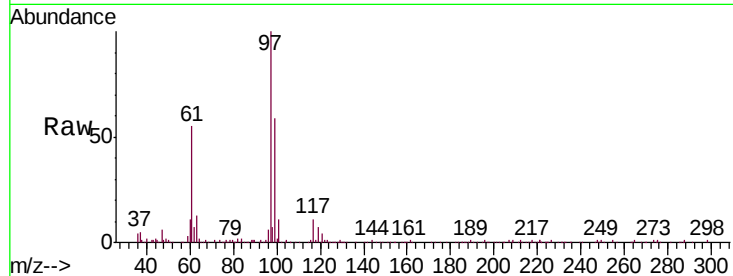




#29
 1,1,1-Trichloroethane
 Concen: 1.155 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VR026437.D
 Acq: 3 Apr 2019 19:20

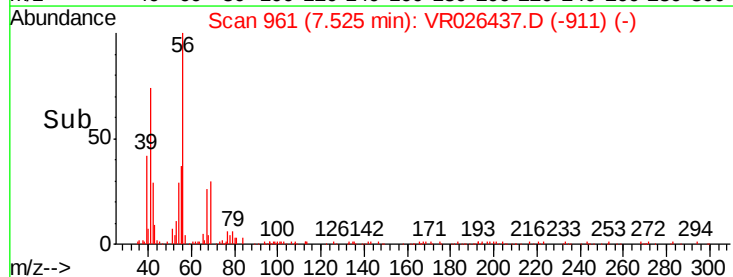
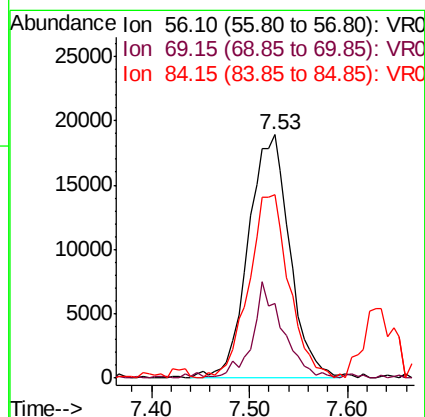
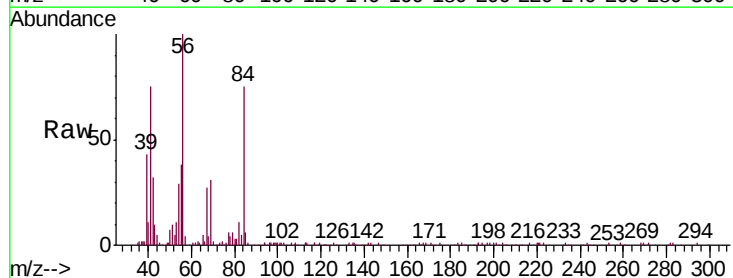
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00188

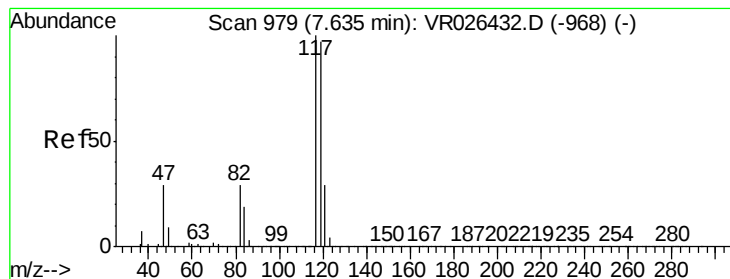
Tgt Ion:	97	Resp:	70995
Ion	Ratio	Lower	Upper
97	100		
99	63.4	49.6	74.4
61	52.7	41.8	62.6



#30
 Cyclohexane
 Concen: 0.950 ug/L
 RT: 7.53 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: VR026437.D
 Acq: 3 Apr 2019 19:20

Tgt Ion:	56	Resp:	55334
Ion	Ratio	Lower	Upper
56	100		
69	29.0	22.6	33.8
84	73.8	59.6	89.4





#31

Carbon tetrachloride

Concen: 1.206 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

Instrument :

MSVOA_R

ClientSampleId :

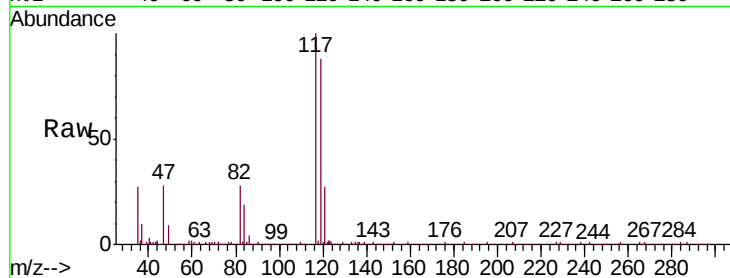
VSTD00188

Tgt Ion:117 Resp: 68946

Ion Ratio Lower Upper

117 100

119 93.2 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

30000

25000

20000

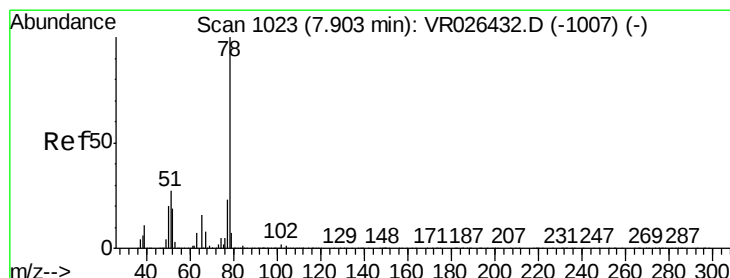
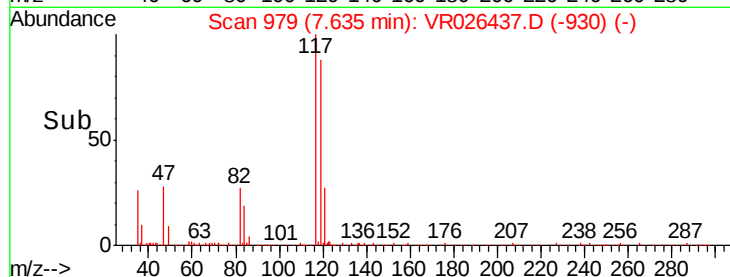
15000

10000

5000

0

Time--> 7.50 7.60 7.70



#33

Benzene

Concen: 1.036 ug/L

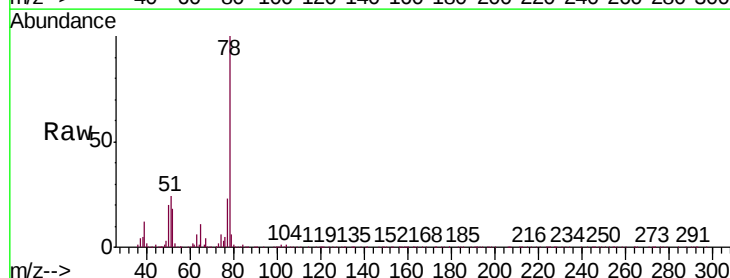
RT: 7.91 min Scan# 1024

Delta R.T. 0.01 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

Tgt Ion: 78 Resp: 164732



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

80000

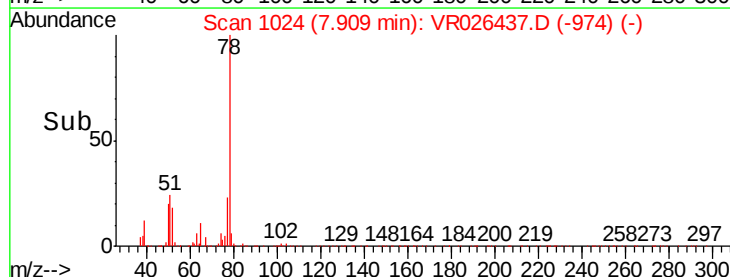
60000

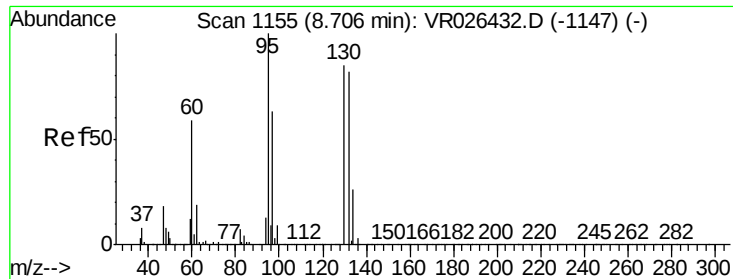
40000

20000

0

Time--> 7.80 7.90 8.00





#34

Trichloroethene

Concen: 1.086 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00188

Tgt Ion: 95 Resp: 43732

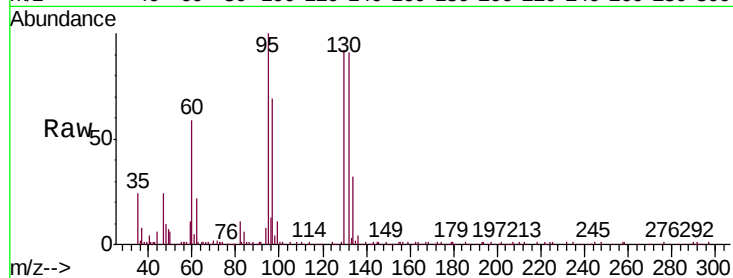
Ion Ratio Lower Upper

95 100

97 69.4 43.8 81.3

132 91.1 57.2 106.2

130 92.1 59.7 110.9

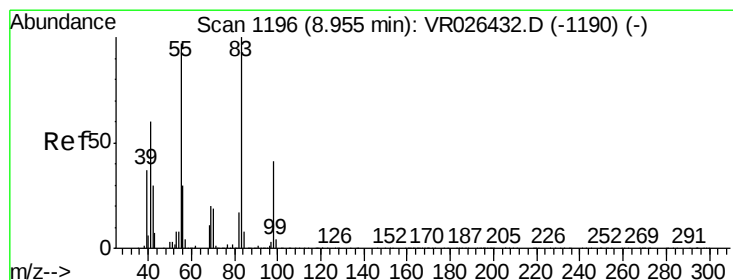
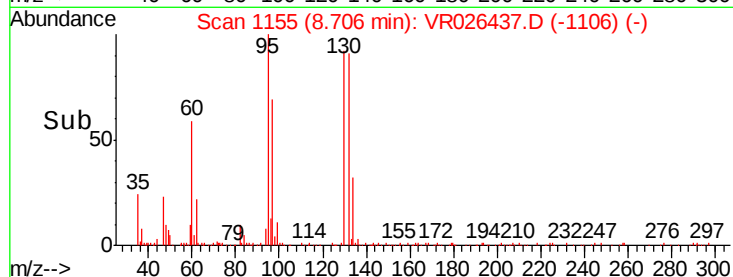
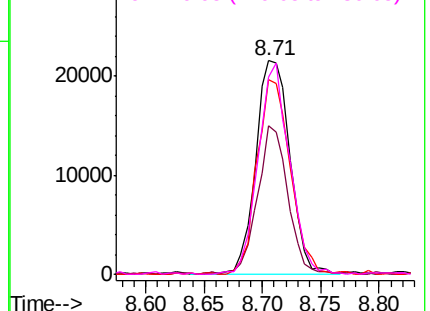


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.980 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

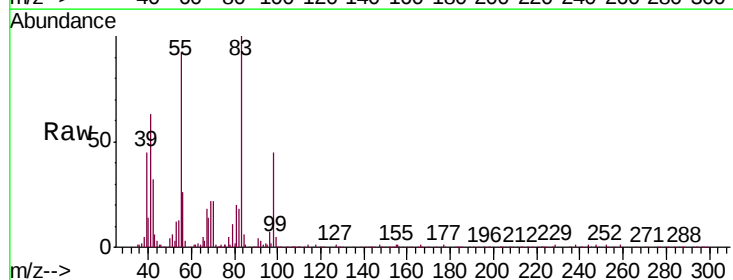
Tgt Ion: 83 Resp: 56337

Ion Ratio Lower Upper

83 100

55 95.9 73.8 110.6

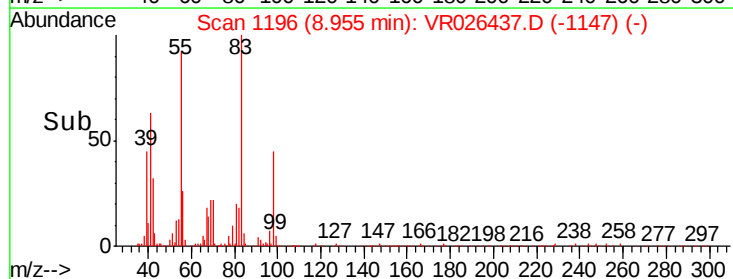
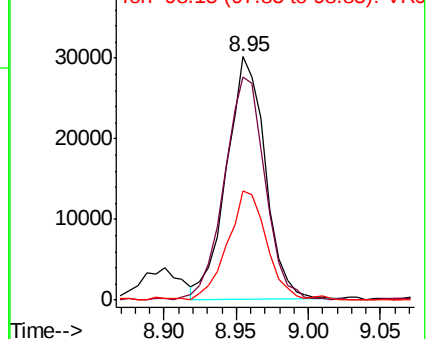
98 43.8 34.6 51.8

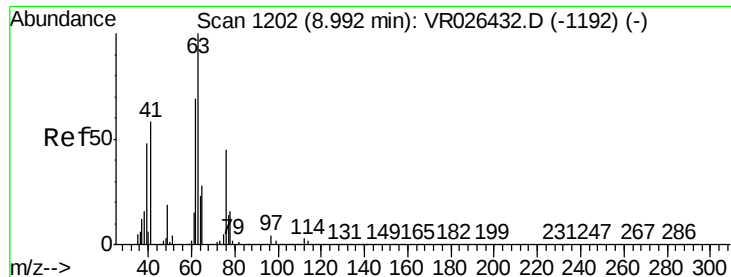


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

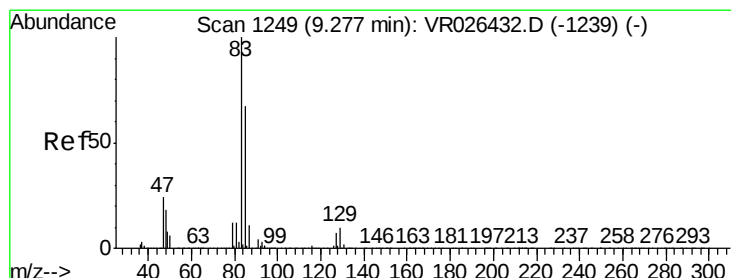
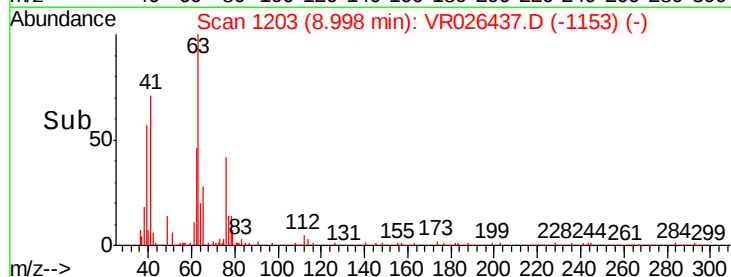
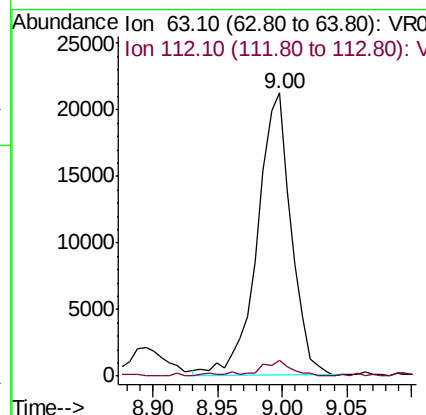
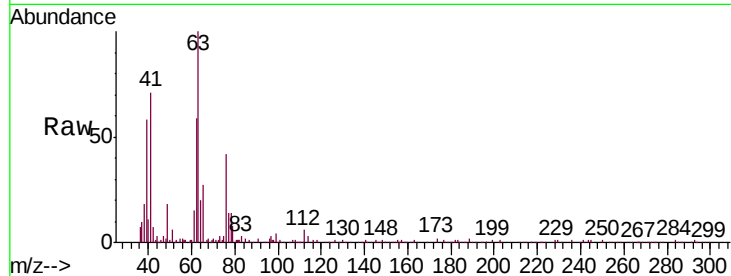




#37
 1,2-Dichloropropane
 Concen: 1.132 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VR026437.D
 Acq: 3 Apr 2019 19:20

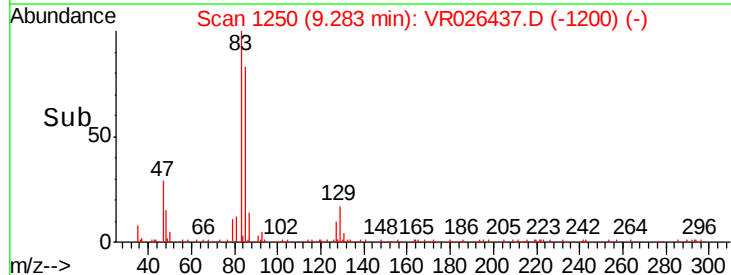
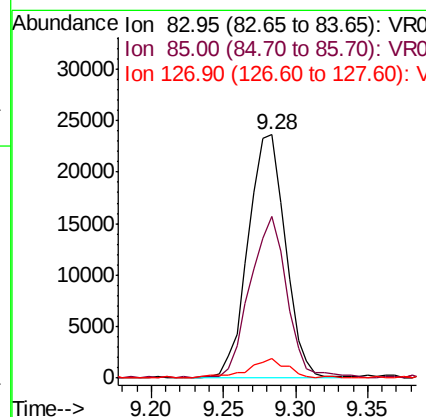
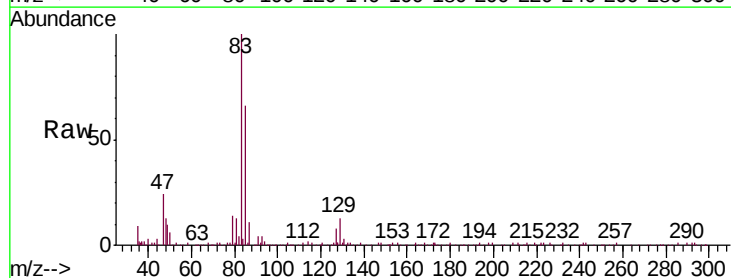
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00188

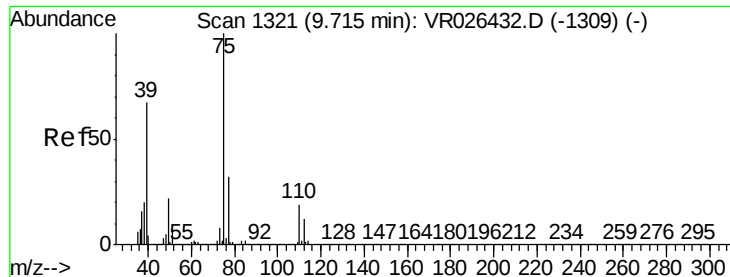
Tgt Ion: 63 Resp: 38204
 Ion Ratio Lower Upper
 63 100
 112 4.8 2.8 4.2#



#38
 Bromodichloromethane
 Concen: 1.092 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. 0.01 min
 Lab File: VR026437.D
 Acq: 3 Apr 2019 19:20

Tgt Ion: 83 Resp: 42392
 Ion Ratio Lower Upper
 83 100
 85 66.4 46.6 86.6
 127 7.9 5.6 8.4

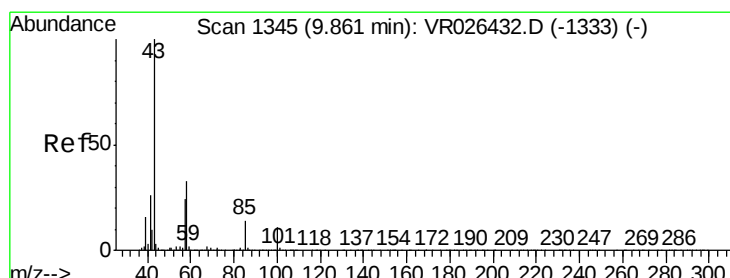
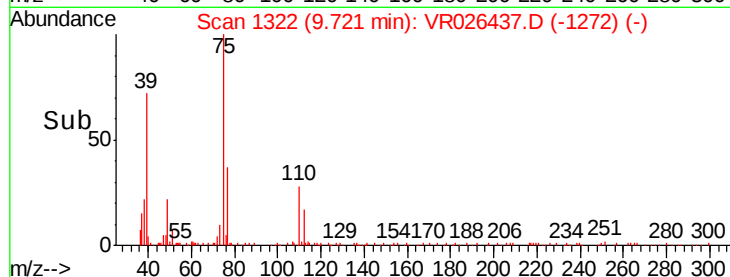
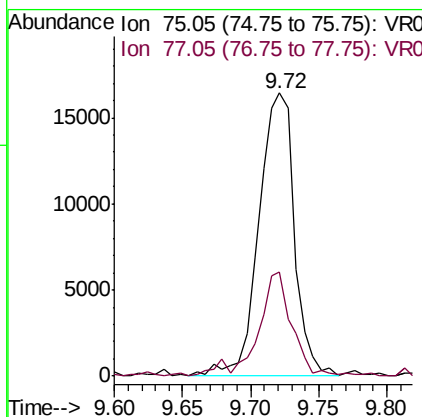
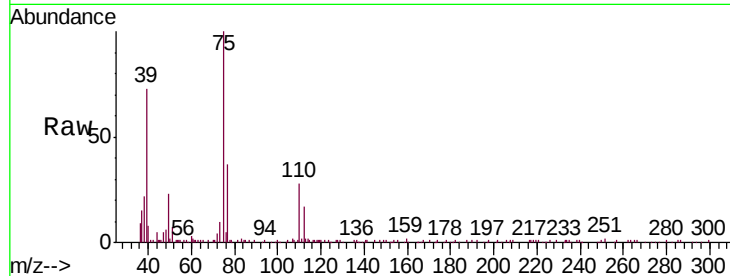




#39
 cis-1,3-Dichloropropene
 Concen: 0.806 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VR026437.D
 Acq: 3 Apr 2019 19:20

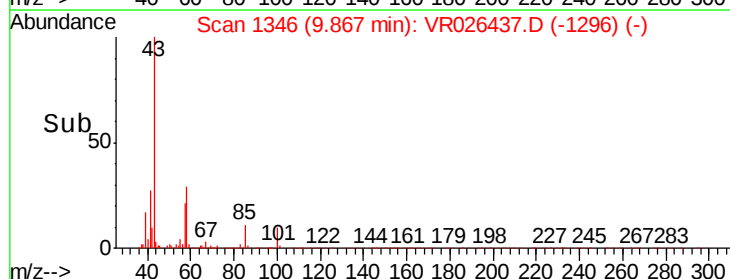
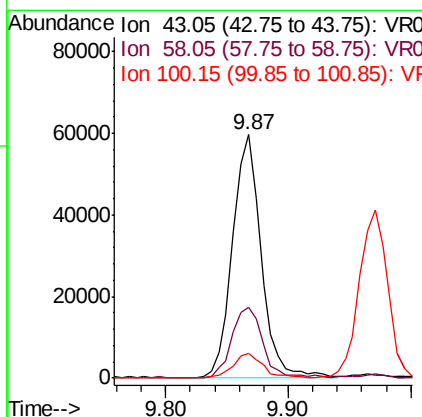
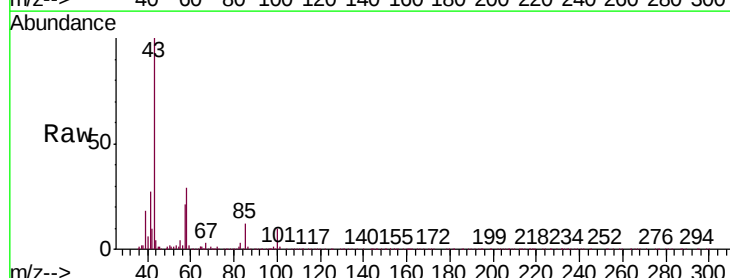
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00188

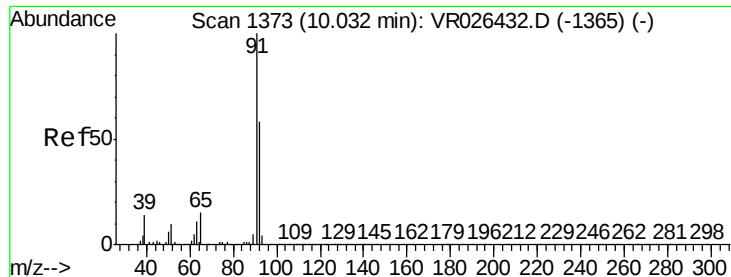
Tgt Ion: 75 Resp: 30050
 Ion Ratio Lower Upper
 75 100
 77 36.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 10.340 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. 0.01 min
 Lab File: VR026437.D
 Acq: 3 Apr 2019 19:20

Tgt Ion: 43 Resp: 96717
 Ion Ratio Lower Upper
 43 100
 58 31.7 27.0 40.4
 100 11.0 8.9 13.3





#42

Toluene

Concen: 1.032 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

Instrument :

MSVOA_R

ClientSampleId :

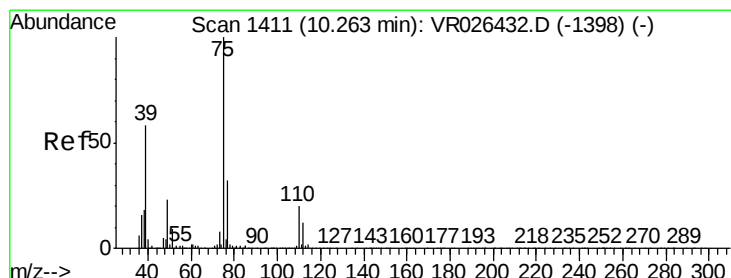
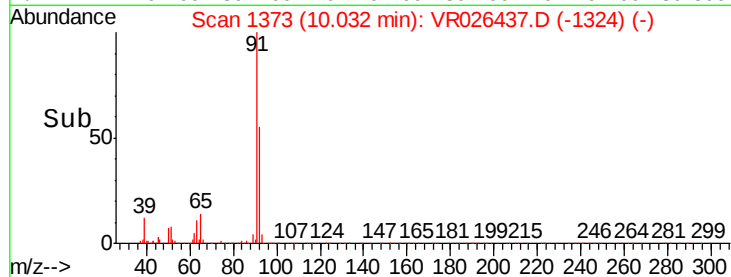
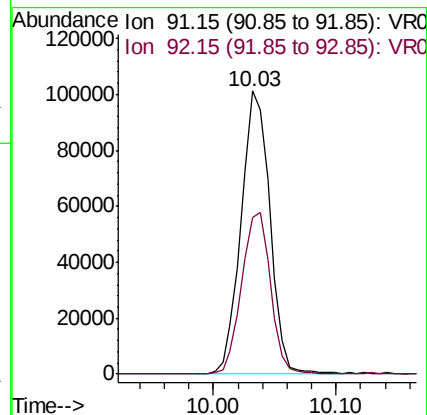
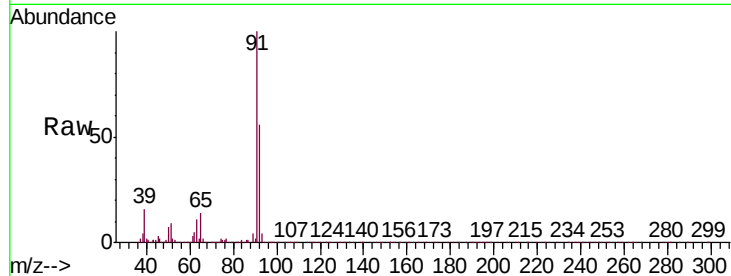
VSTD00188

Tgt Ion: 91 Resp: 165373

Ion Ratio Lower Upper

91 100

92 55.5 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 0.947 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026437.D

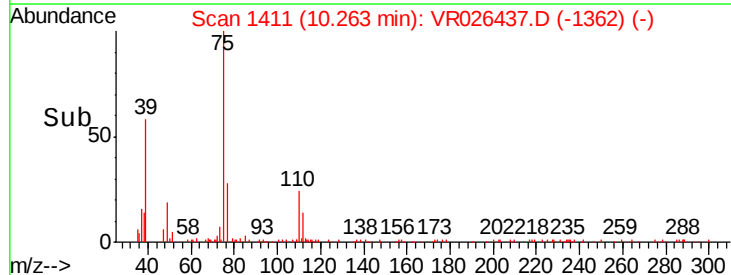
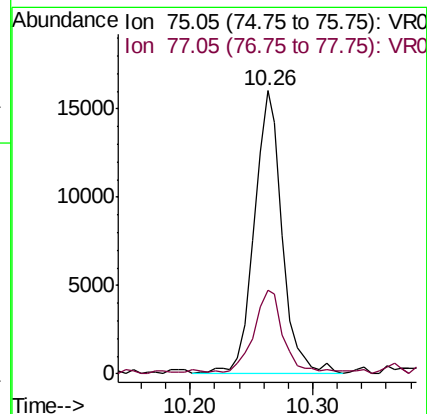
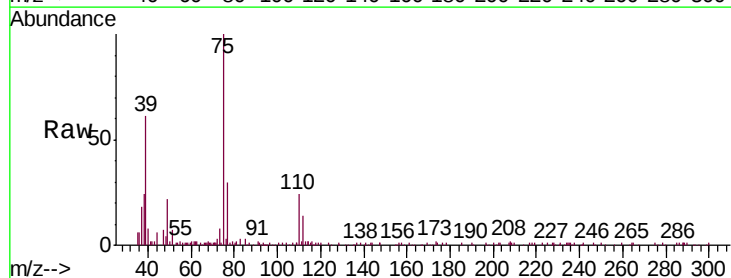
Acq: 3 Apr 2019 19:20

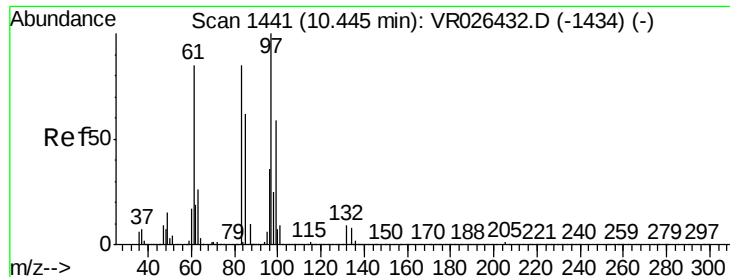
Tgt Ion: 75 Resp: 25477

Ion Ratio Lower Upper

75 100

77 29.7 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 1.106 ug/L

RT: 10.44 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00188

Tgt Ion: 97 Resp: 15397

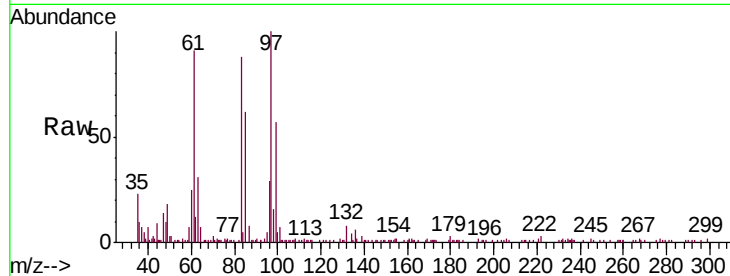
Ion Ratio Lower Upper

97 100

99 56.8 41.7 77.5

83 88.5 59.5 110.5

85 61.6 43.0 80.0

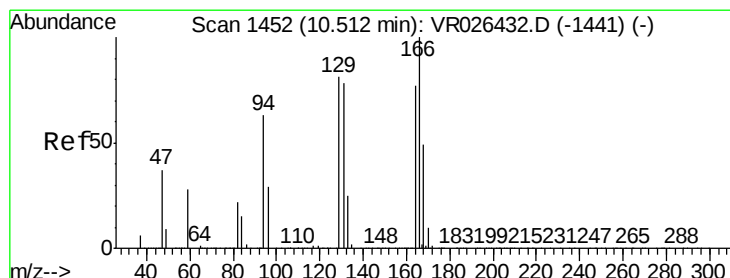
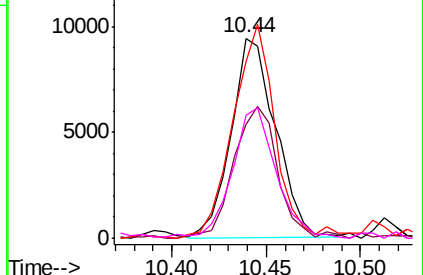
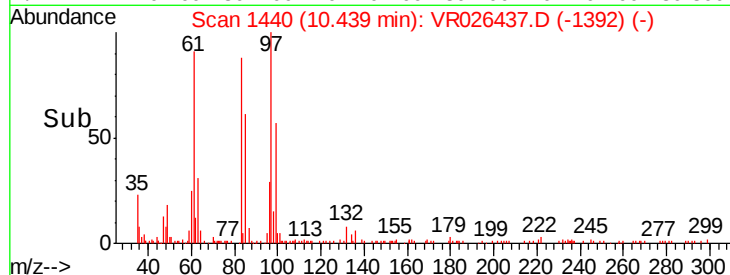


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 1.084 ug/L

RT: 10.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

Tgt Ion: 164 Resp: 31461

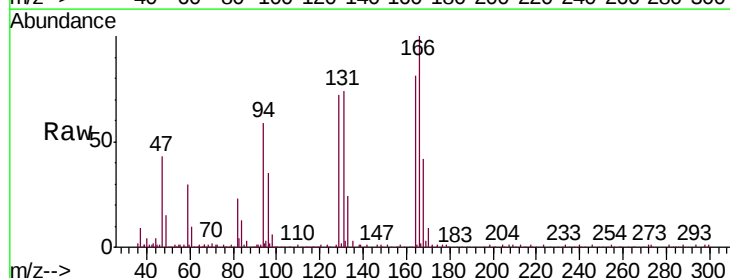
Ion Ratio Lower Upper

164 100

129 88.2 74.1 137.5

131 91.0 71.3 132.5

166 125.2 90.9 168.9

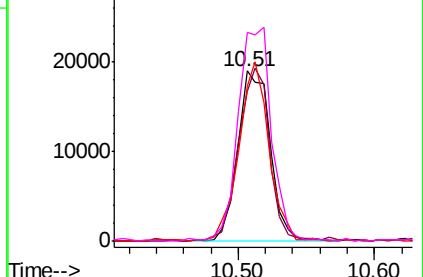
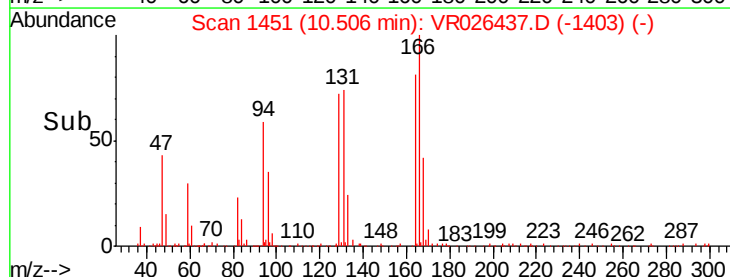


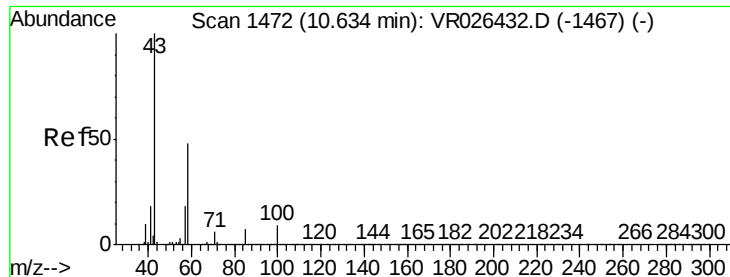
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

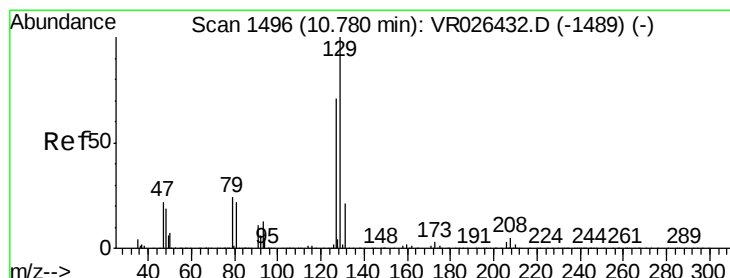
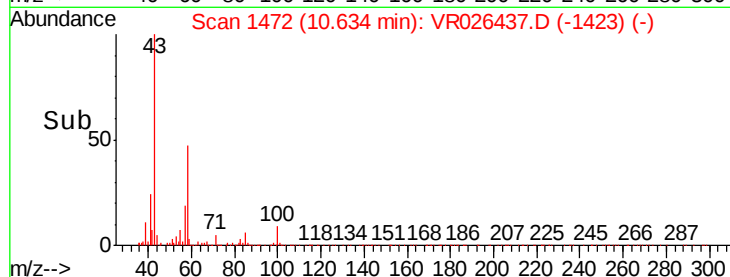
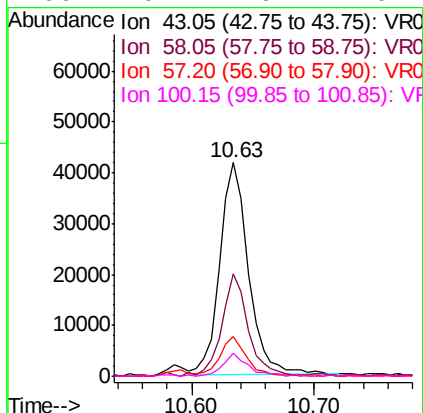
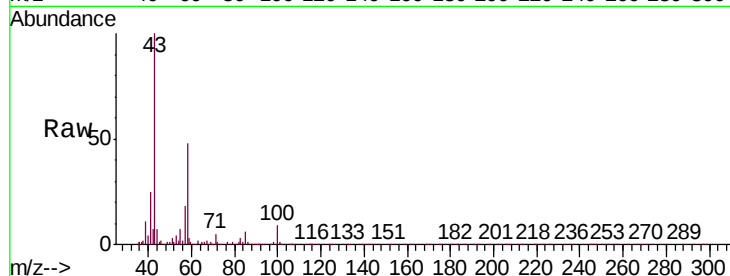




#48
2-Hexanone
Concen: 10.567 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026437.D
Acq: 3 Apr 2019 19:20

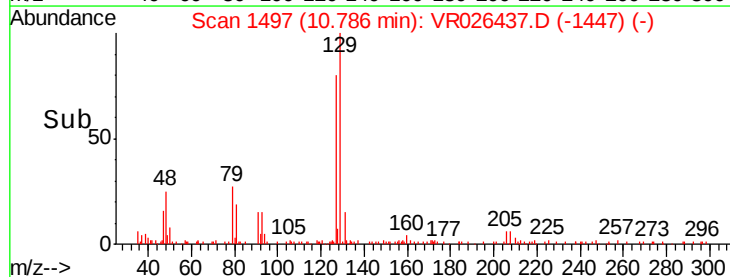
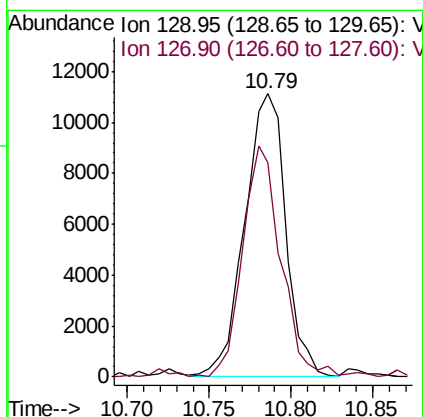
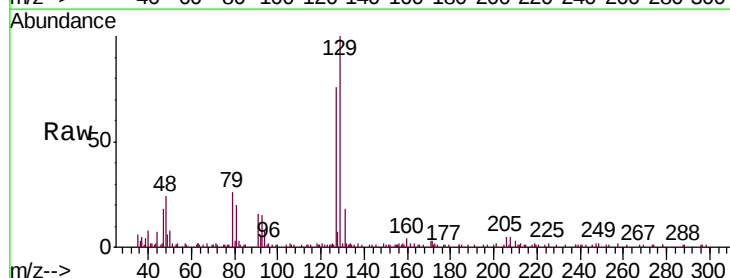
Instrument :
MSVOA_R
ClientSampleId :
VSTD00188

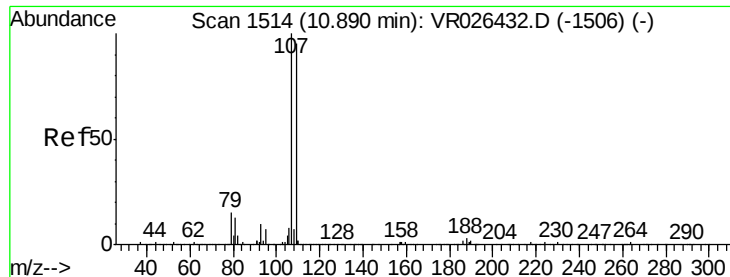
Tgt Ion:	43	Resp:	68213
Ion	Ratio	Lower	Upper
43	100		
58	43.4	38.2	57.2
57	17.5	13.8	20.6
100	9.2	6.2	9.2



#49
Dibromochloromethane
Concen: 1.122 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VR026437.D
Acq: 3 Apr 2019 19:20

Tgt Ion:	129	Resp:	19474
Ion	Ratio	Lower	Upper
129	100		
127	75.6	50.2	93.2

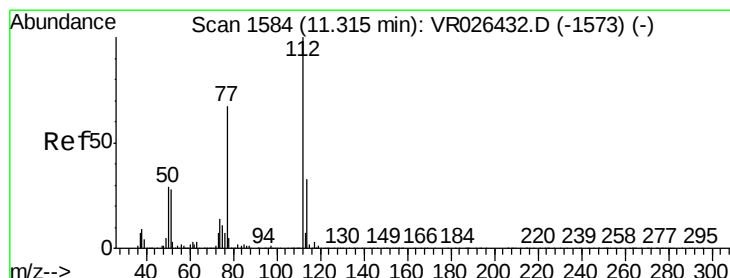
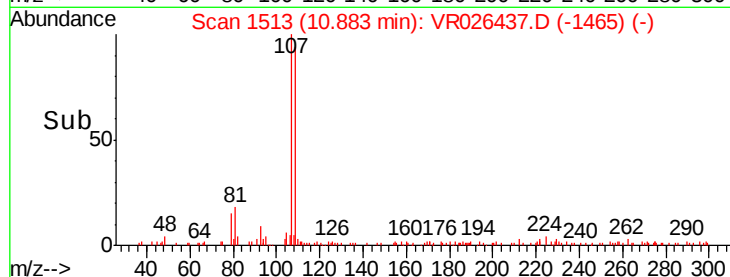
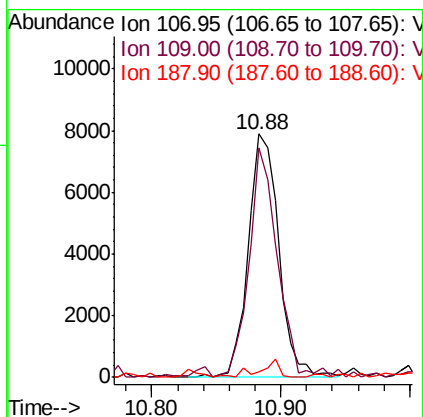
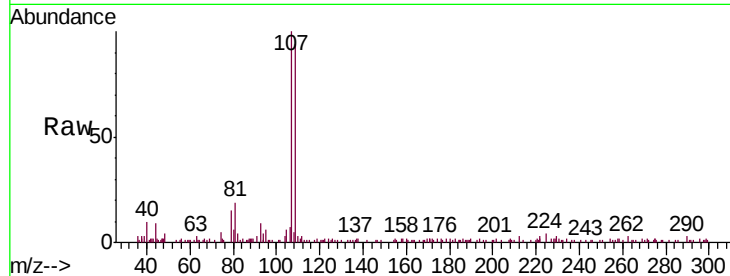




#50
1,2-Dibromoethane
Concen: 1.155 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VR026437.D
Acq: 3 Apr 2019 19:20

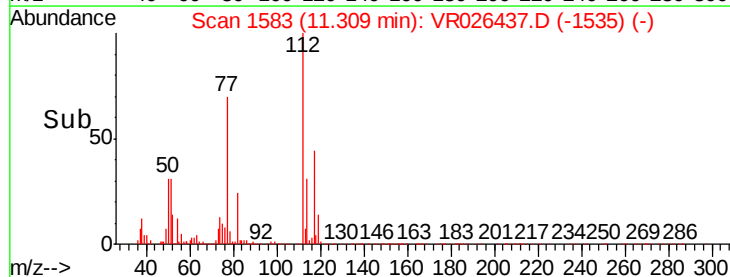
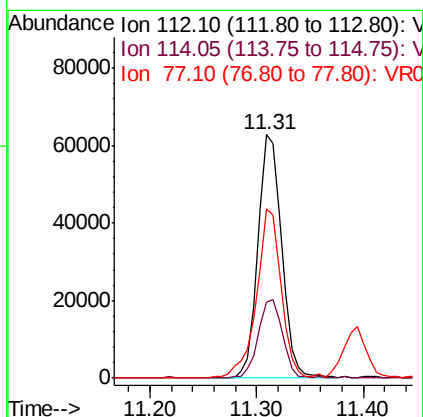
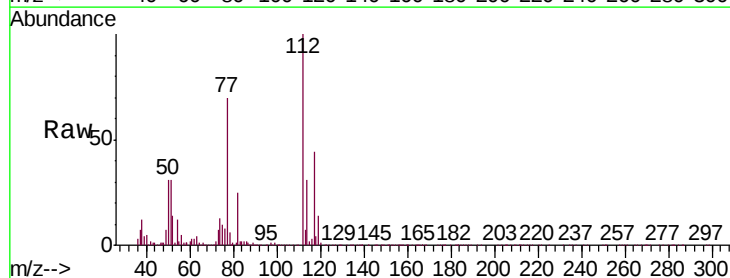
Instrument :
MSVOA_R
ClientSampleId :
VSTD00188

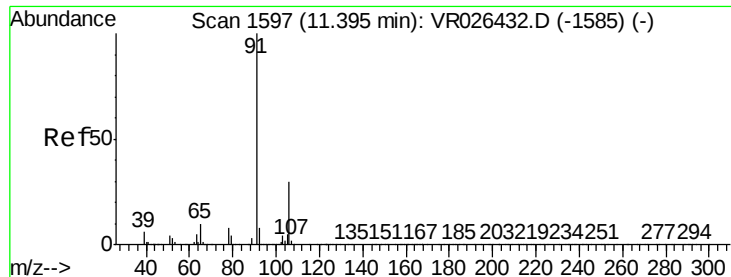
Tgt Ion:107 Resp: 12810
Ion Ratio Lower Upper
107 100
109 94.1 66.8 124.2
188 2.3 2.8 4.2#



#51
Chlorobenzene
Concen: 1.132 ug/L
RT: 11.31 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VR026437.D
Acq: 3 Apr 2019 19:20

Tgt Ion:112 Resp: 98881
Ion Ratio Lower Upper
112 100
114 31.2 23.1 42.9
77 69.8 53.8 80.8





#52

Ethylbenzene

Concen: 1.031 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

Instrument :

MSVOA_R

ClientSampleId :

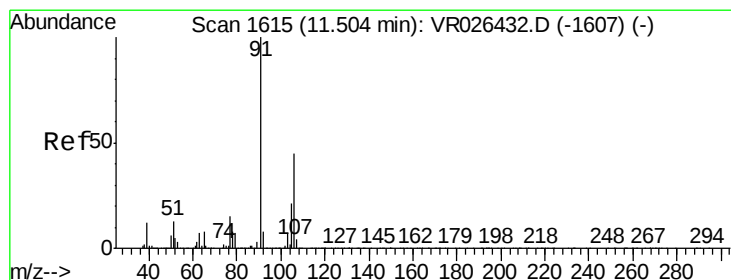
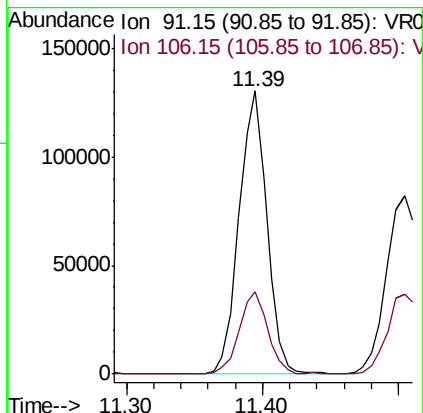
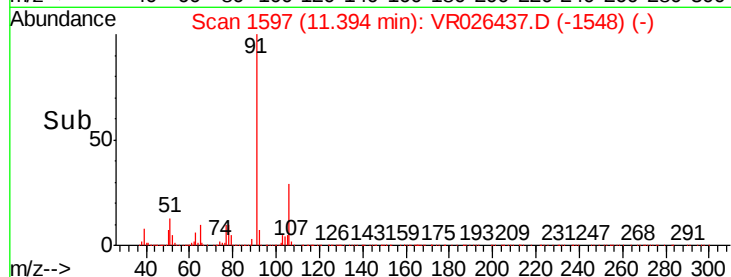
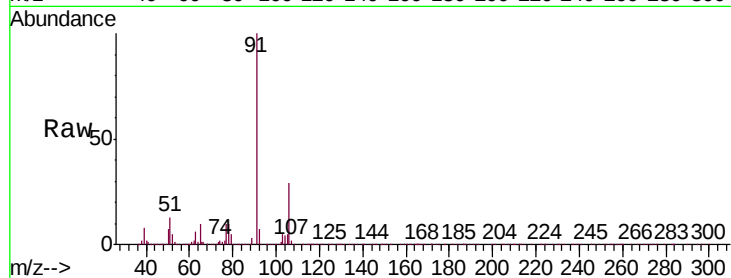
VSTD00188

Tgt Ion: 91 Resp: 185857

Ion Ratio Lower Upper

91 100

106 29.2 20.7 38.5



#53

m,p-Xylene

Concen: 0.985 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026437.D

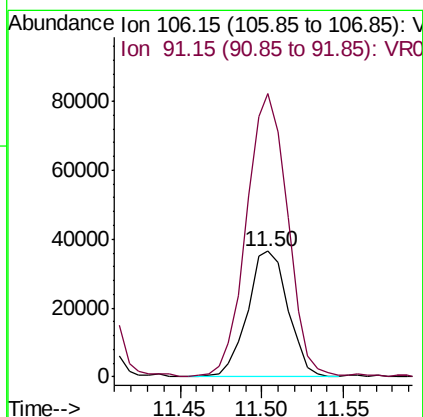
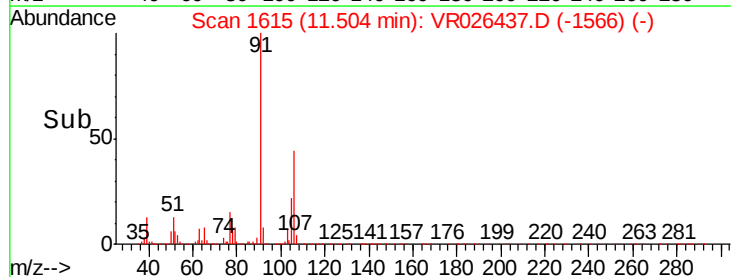
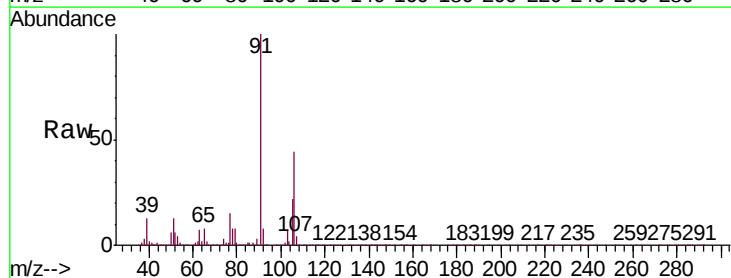
Acq: 3 Apr 2019 19:20

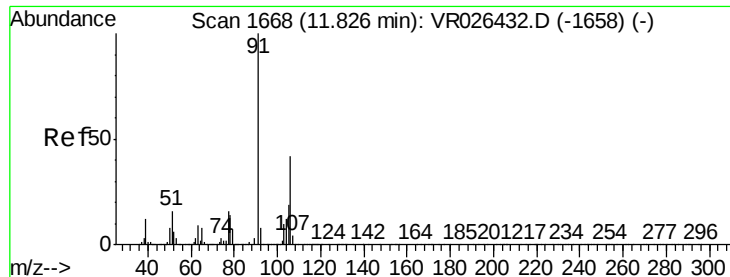
Tgt Ion: 106 Resp: 62865

Ion Ratio Lower Upper

106 100

91 225.3 155.6 289.0

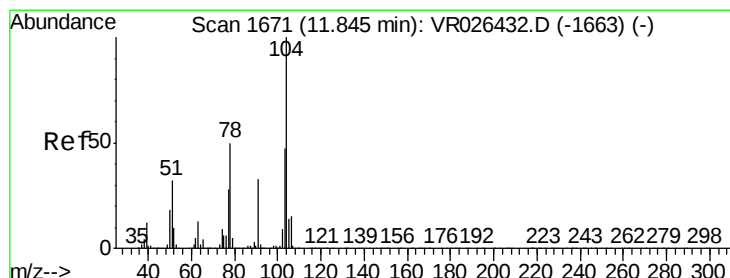
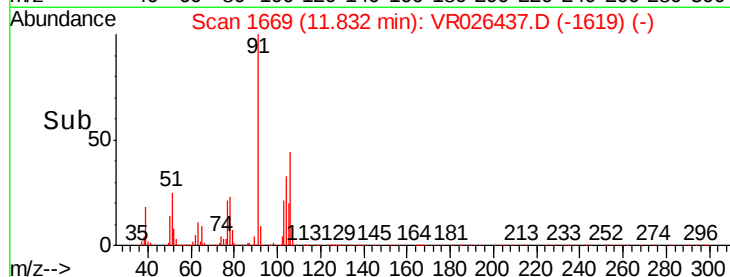
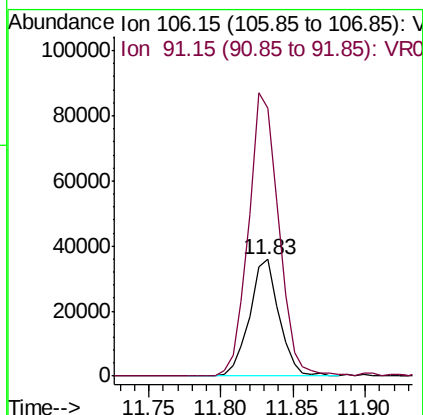
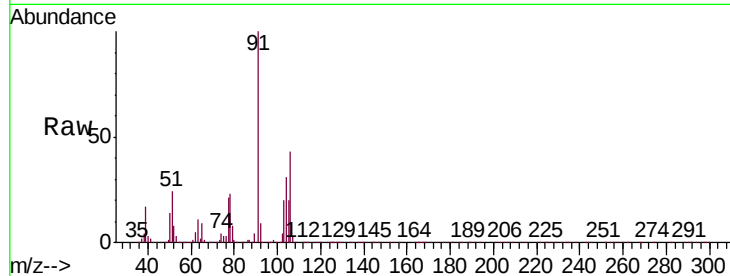




#54
o-Xylene
Concen: 0.905 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026437.D
Acq: 3 Apr 2019 19:20

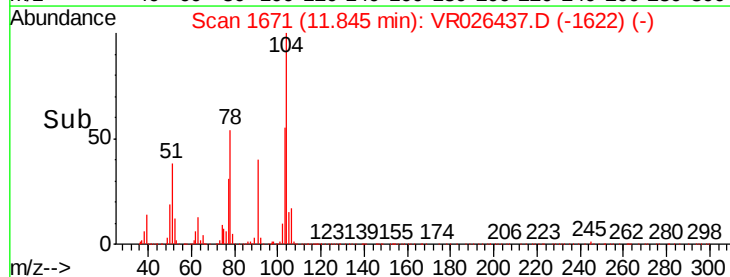
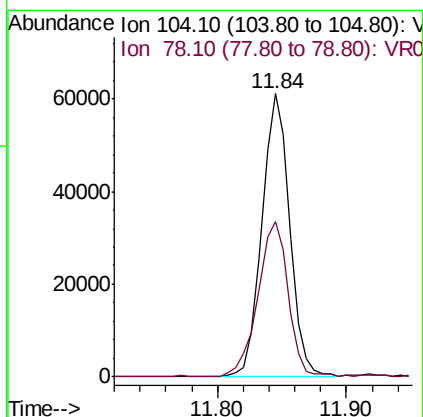
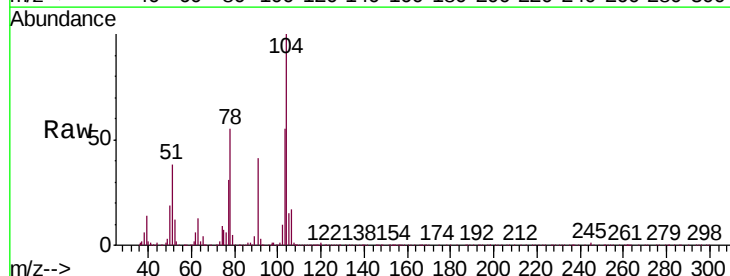
Instrument :
MSVOA_R
ClientSampleId :
VSTD00188

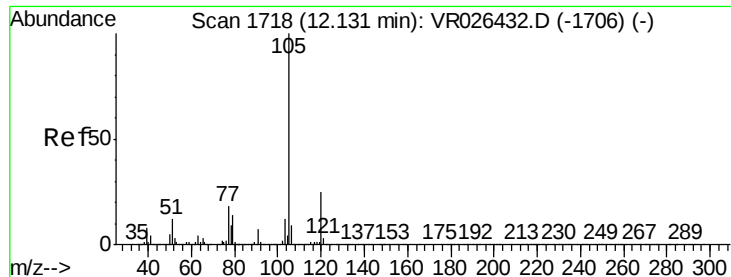
Tgt Ion:106 Resp: 50840
Ion Ratio Lower Upper
106 100
91 230.1 166.2 308.6



#55
Styrene
Concen: 1.022 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026437.D
Acq: 3 Apr 2019 19:20

Tgt Ion:104 Resp: 90954
Ion Ratio Lower Upper
104 100
78 54.7 35.2 65.4





#56

Isopropylbenzene

Concen: 0.983 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00188

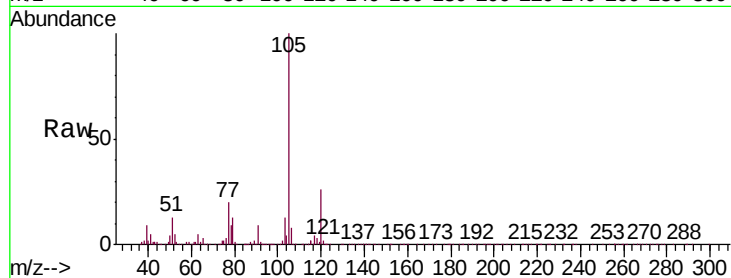
Tgt Ion: 105 Resp: 157153

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.2

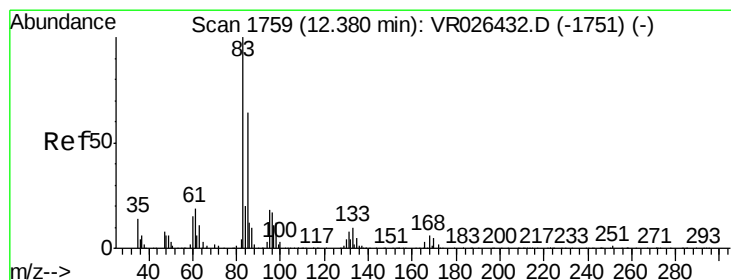
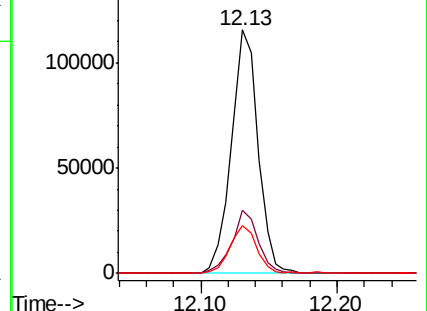
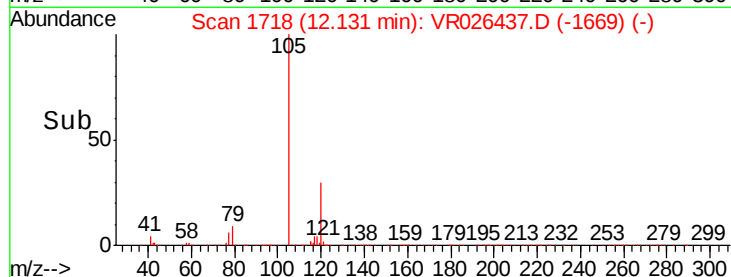
77 20.0 14.7 22.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 1.132 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

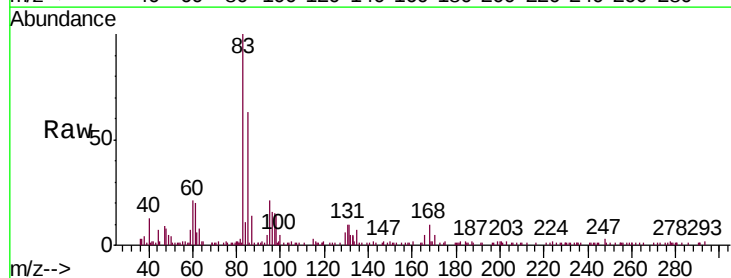
Tgt Ion: 83 Resp: 14401

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.7

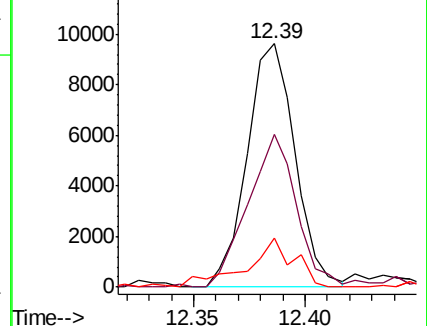
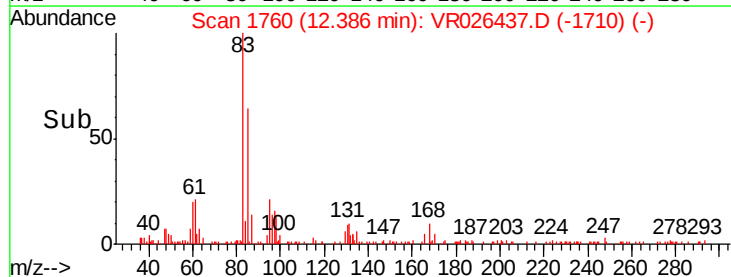
131 19.9 6.9 10.3#

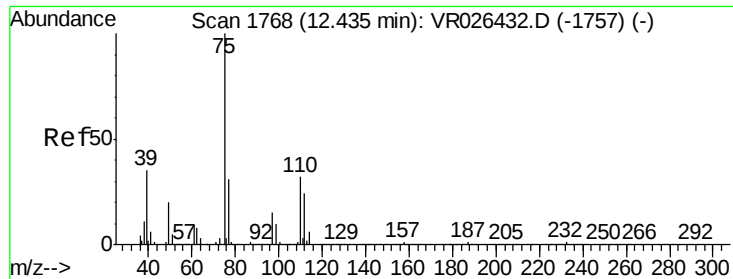


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.086 ug/L

RT: 12.43 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

Instrument :

MSVOA_R

ClientSampleId :

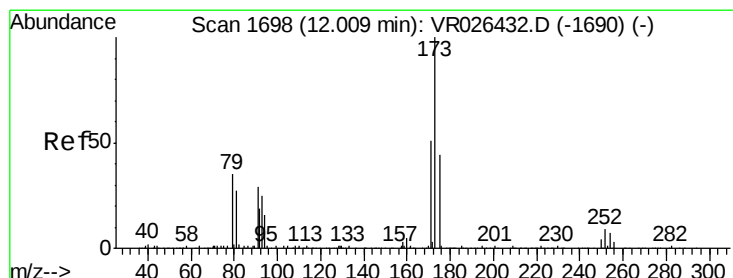
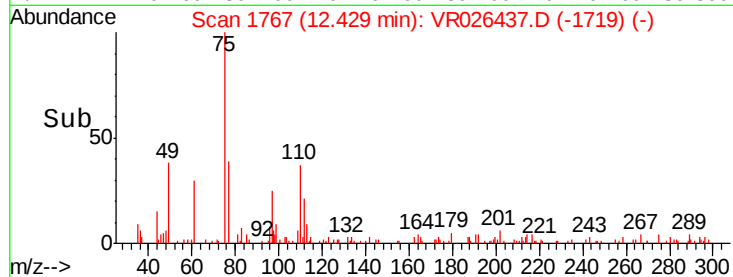
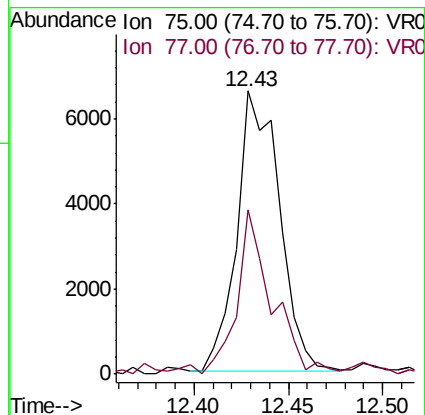
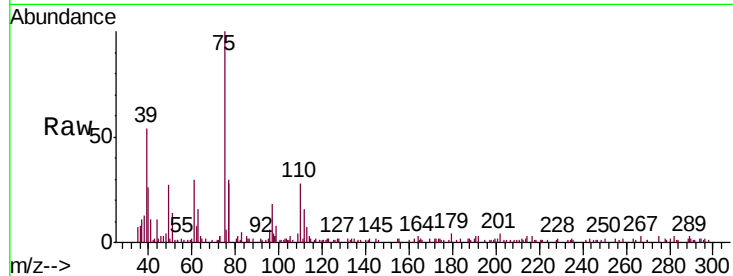
VSTD00188

Tgt Ion: 75 Resp: 10299

Ion Ratio Lower Upper

75 100

77 45.8 25.0 37.4#



#61

Bromoform

Concen: 1.049 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

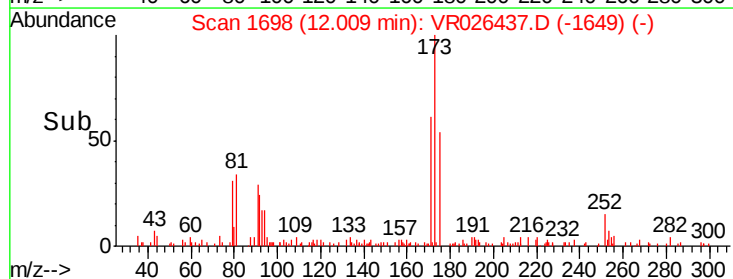
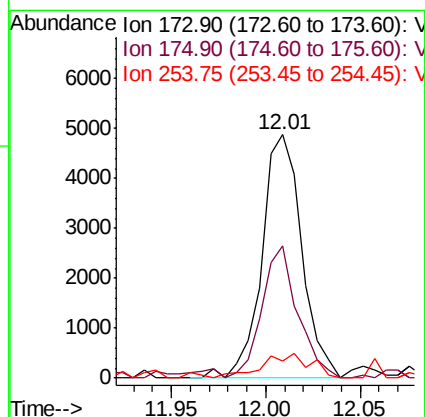
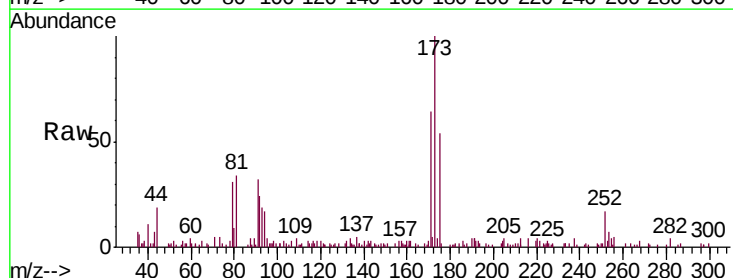
Tgt Ion: 173 Resp: 7105

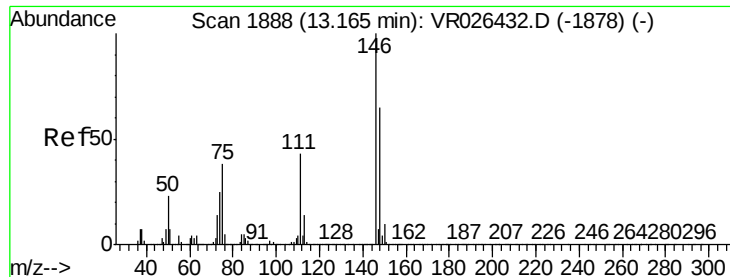
Ion Ratio Lower Upper

173 100

175 48.9 36.6 54.8

254 12.2 8.0 12.0#





#62

1,3-Dichlorobenzene

Concen: 0.931 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00188

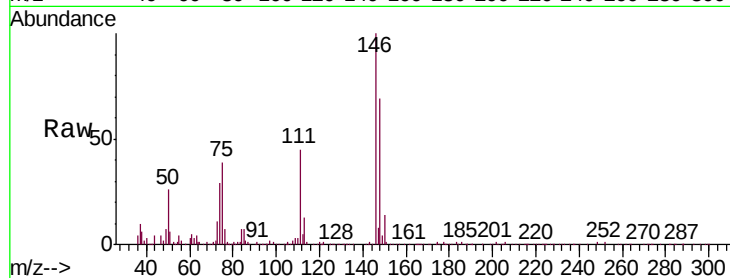
Tgt Ion:146 Resp: 42253

Ion Ratio Lower Upper

146 100

111 44.9 30.4 56.5

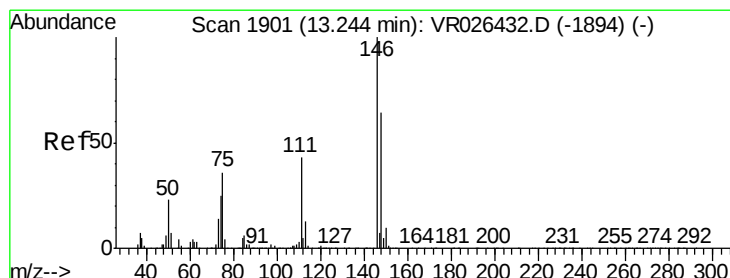
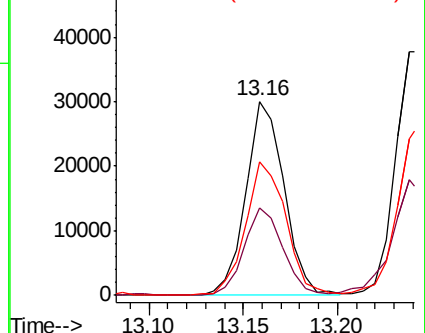
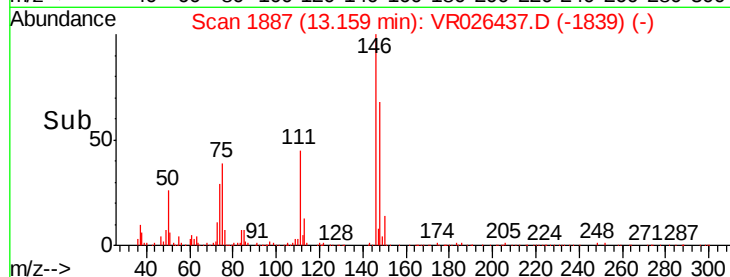
148 69.0 45.4 84.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.165 ug/L

RT: 13.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

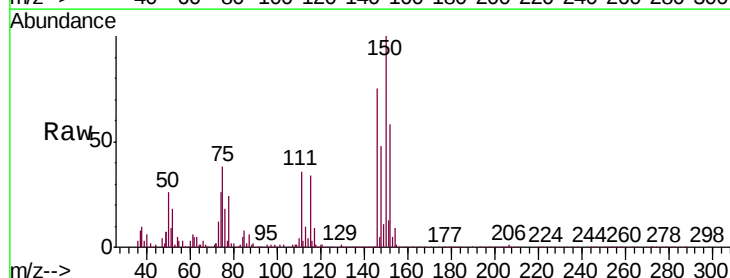
Tgt Ion:146 Resp: 58066

Ion Ratio Lower Upper

146 100

111 47.4 30.5 56.7

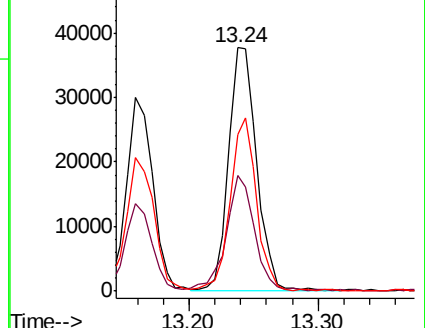
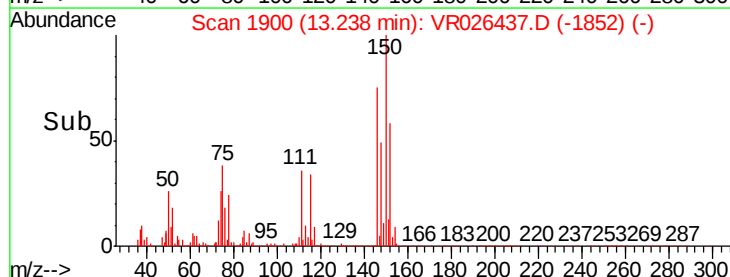
148 64.2 45.0 83.6

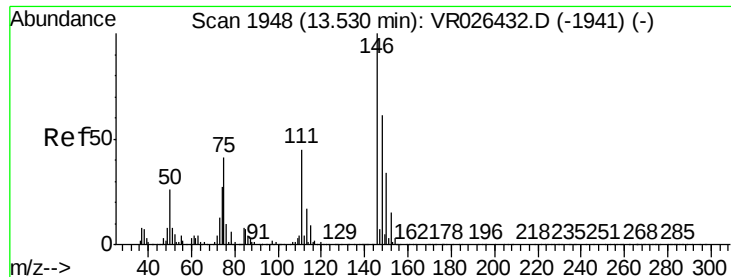


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.072 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

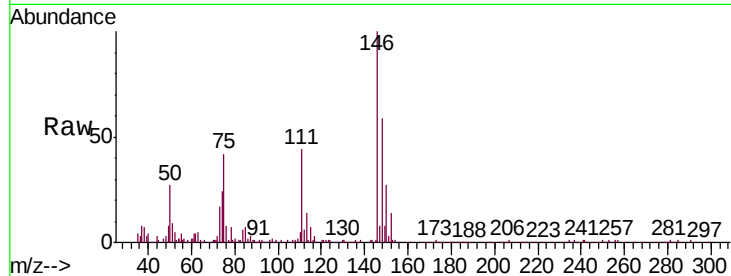
Instrument :

MSVOA_R

ClientSampleId :

VSTD00188

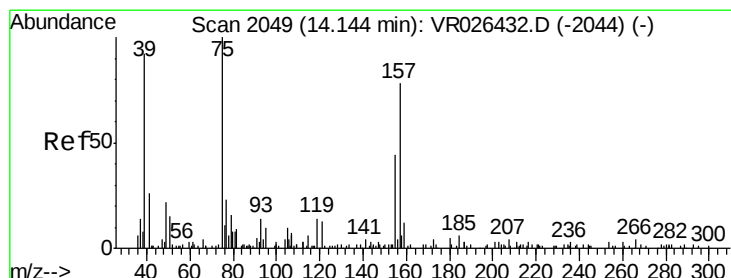
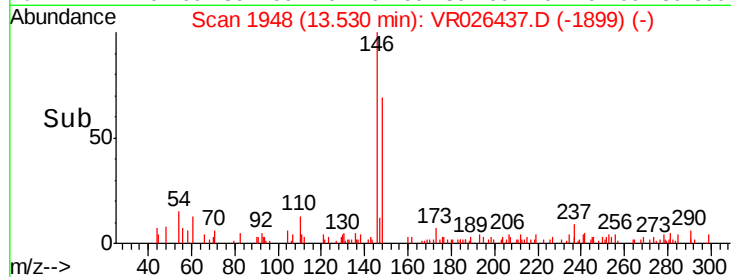
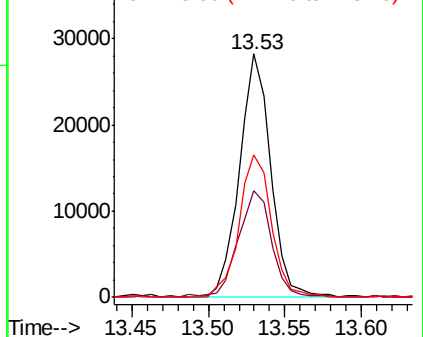
Tgt Ion:	146	Resp:	39958
Ion	Ratio	Lower	Upper
146	100		
111	44.0	35.8	53.6
148	58.7	48.9	73.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 1.094 ug/L

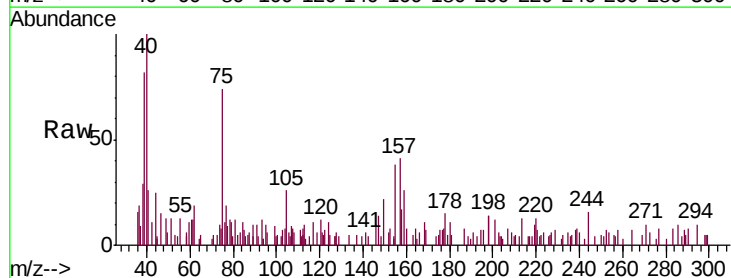
RT: 14.14 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

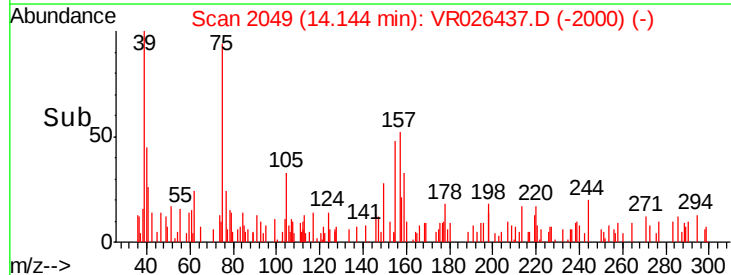
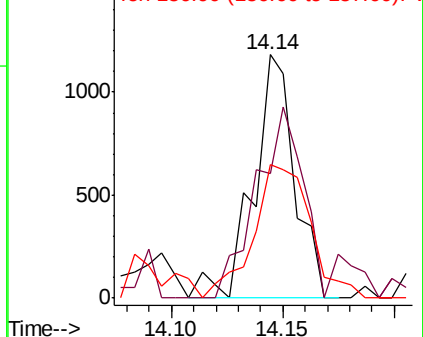
Tgt Ion:	75	Resp:	1515
Ion	Ratio	Lower	Upper
75	100		
155	51.0	36.1	54.1
157	54.8	62.4	93.6#

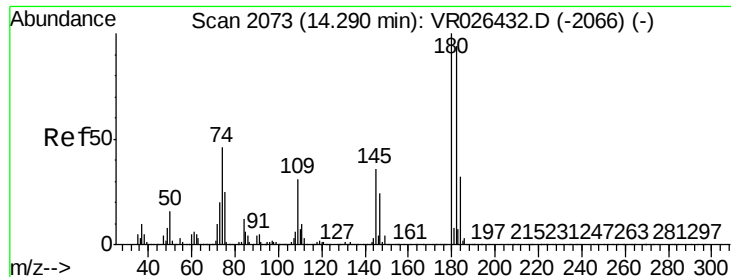


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

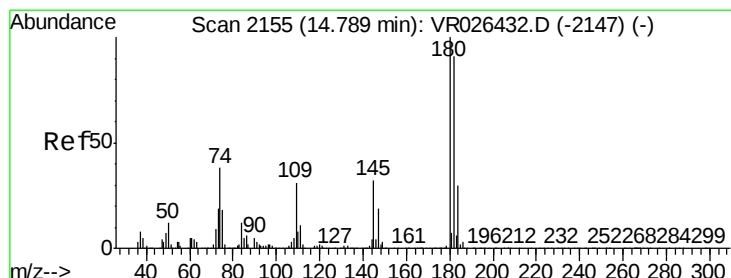
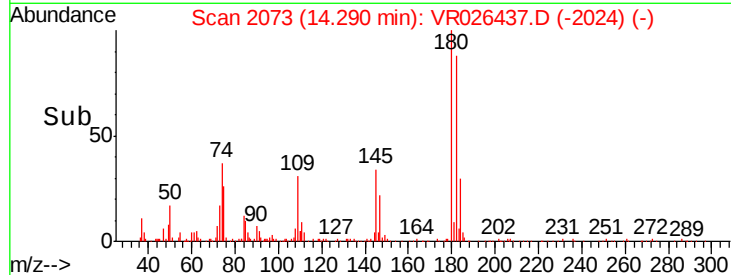
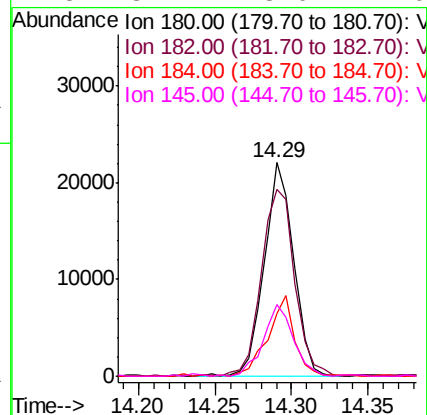
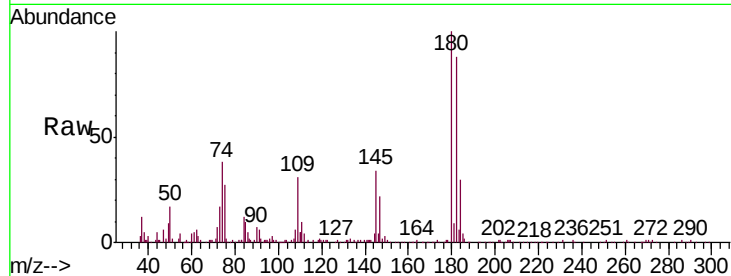




#67
 1,3,5-Trichlorobenzene
 Concen: 1.053 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026437.D
 Acq: 3 Apr 2019 19:20

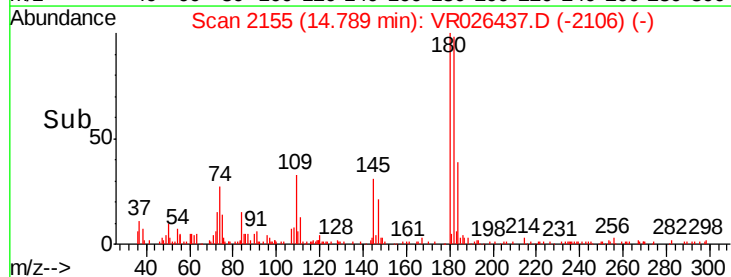
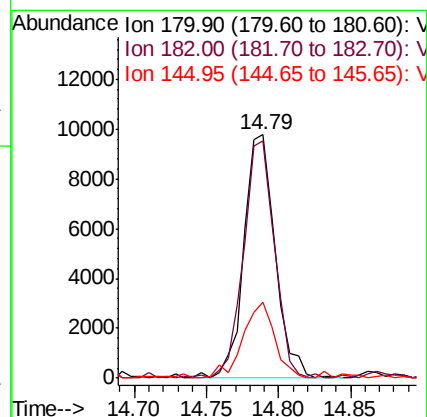
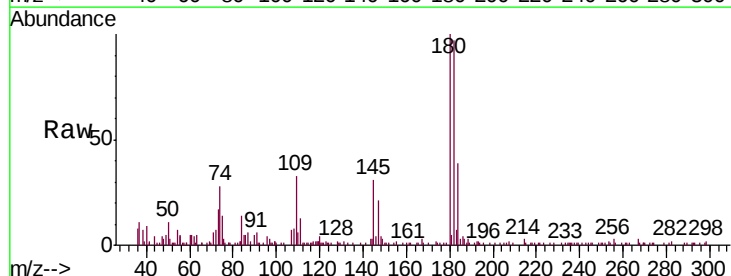
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00188

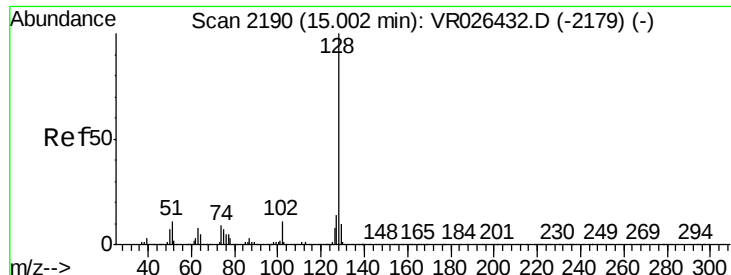
Tgt Ion:	180	Resp:	29607
Ion	Ratio	Lower	Upper
180	100		
182	99.1	75.8	113.6
184	33.5	25.0	37.4
145	34.7	28.0	42.0



#68
 1,2,4-trichlorobenzene
 Concen: 0.910 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VR026437.D
 Acq: 3 Apr 2019 19:20

Tgt Ion:	180	Resp:	14668
Ion	Ratio	Lower	Upper
180	100		
182	97.4	73.0	109.6
145	31.6	26.7	40.1





#69

Naphthalene

Concen: 0.697 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00188

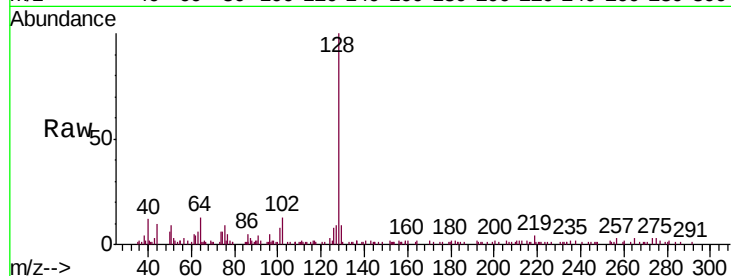
Tgt Ion:128 Resp: 10432

Ion Ratio Lower Upper

128 100

127 14.5 11.4 17.0

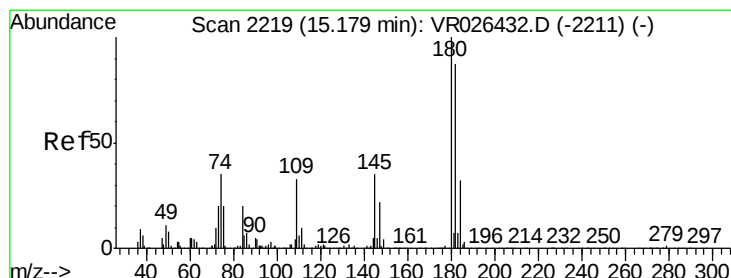
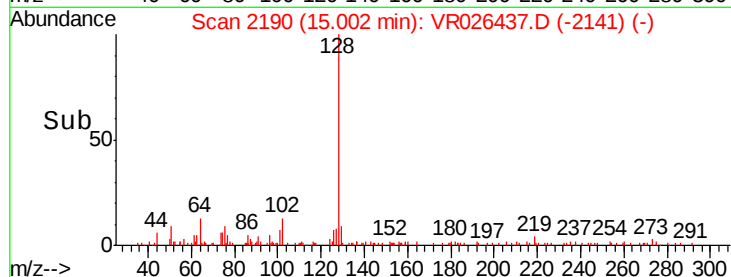
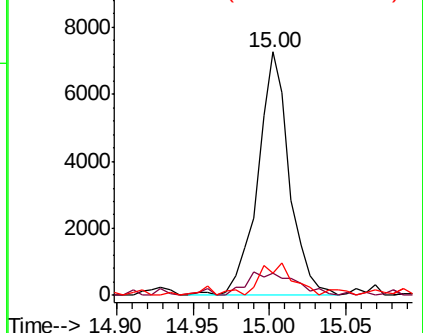
129 13.9 9.0 13.4#



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: 0.935 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026437.D

Acq: 3 Apr 2019 19:20

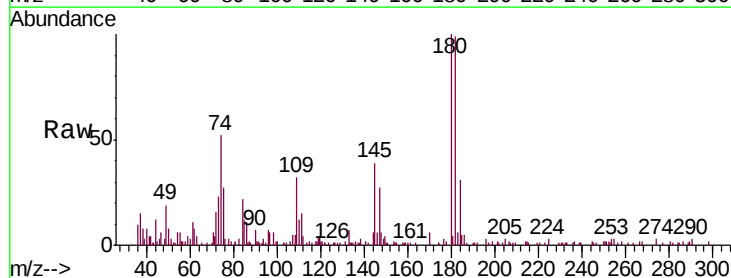
Tgt Ion:180 Resp: 10582

Ion Ratio Lower Upper

180 100

182 99.6 73.1 109.7

145 41.9 28.6 42.8



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

