

Data File : VR026261.D
Acq On : 21 Nov 2018 15:07
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

Quant Time: Nov 27 07:10:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 27 07:05:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	614495	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	527892	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	207634	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	242586	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	2.63	69	202400	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	3.61	63	579789	4.40	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.00%
20) 2-Butanone-d5	6.59	46	200085	48.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.42%
24) Chloroform-d	7.20	84	411058	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	7.90	65	155428	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
32) Benzene-d6	7.86	84	826938	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	8.90	67	206821	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.20%
41) Toluene-d8	9.97	98	792785	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	10.24	79	53690	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	10.59	63	144106	50.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.08%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	83414	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	161439	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	187772	4.445 ug/L	99
3) Chloromethane	2.02	50	262942	4.516 ug/L	99
5) Vinyl chloride	2.17	62	261471	4.542 ug/L	94
6) Bromomethane	2.52	94	166229	4.315 ug/L	99
8) Chloroethane	2.66	64	154445	4.282 ug/L	96
9) Trichlorofluoromethane	2.93	101	142470	1.533 ug/L #	15
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	223656	4.402 ug/L	96
12) 1,1-Dichloroethene	3.63	96	246280	4.485 ug/L	77
13) Acetone	3.70	43	179143	47.163 ug/L	99
14) Carbon disulfide	3.94	76	610189	4.404 ug/L	97
15) Methyl Acetate	4.20	43	44985	4.377 ug/L	94
16) Methylene chloride	4.41	84	205992	4.111 ug/L	98
17) Methyl tert-butyl Ether	4.90	73	239495	4.401 ug/L	100
18) trans-1,2-Dichloroethene	4.89	96	206951	4.452 ug/L	100
19) 1,1-Dichloroethane	5.70	63	381248	4.502 ug/L	98
21) 2-Butanone	6.69	43	230505	47.562 ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	194764	4.692 ug/L	90

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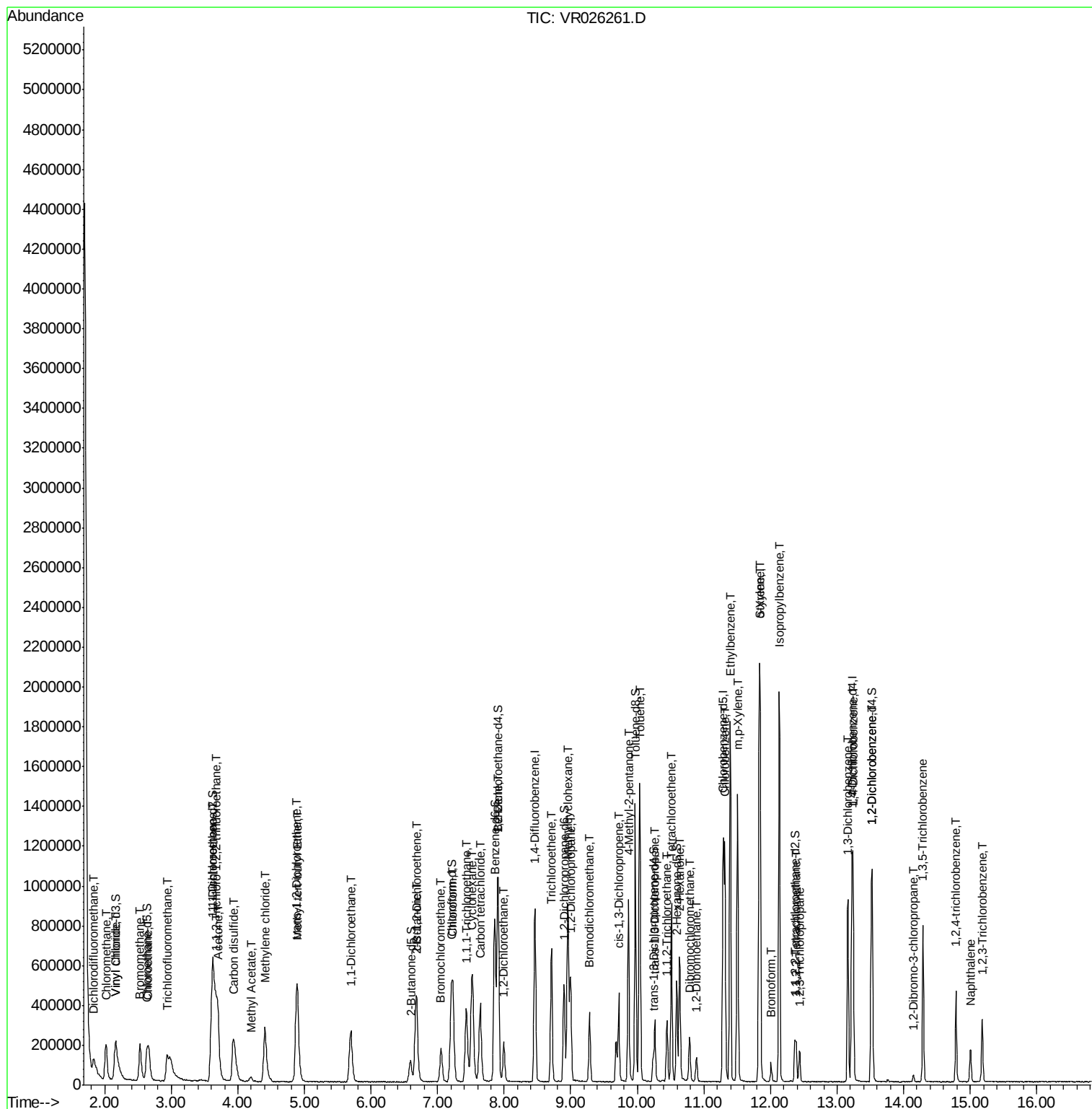
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	55488	4.299	ug/L	98
25) Chloroform	7.23	83	383925	4.106	ug/L	99
27) 1,2-Dichloroethane	7.99	62	171289	4.459	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	326228	4.464	ug/L	99
30) Cyclohexane	7.52	56	316078	5.036	ug/L	99
31) Carbon tetrachloride	7.64	117	295828	4.517	ug/L	100
33) Benzene	7.91	78	867262	4.535	ug/L	100
34) Trichloroethene	8.71	95	221947	4.465	ug/L	95
35) Methylcyclohexane	8.95	83	320927	4.782	ug/L	97
37) 1,2-Dichloropropane	9.00	63	177019	4.429	ug/L	99
38) Bromodichloromethane	9.28	83	207112	4.387	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	218253	4.858	ug/L	97
40) 4-Methyl-2-pentanone	9.87	43	566534	49.528	ug/L	99
42) Toluene	10.04	91	946846	4.563	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	143554	4.718	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	78901	4.440	ug/L	93
47) Tetrachloroethene	10.51	164	158305	4.418	ug/L	97
48) 2-Hexanone	10.63	43	376719	49.208	ug/L	98
49) Dibromochloromethane	10.79	129	95452	4.466	ug/L	98
50) 1,2-Dibromoethane	10.89	107	68410	4.588	ug/L #	98
51) Chlorobenzene	11.32	112	507166	4.398	ug/L	98
52) Ethylbenzene	11.39	91	1082237	4.717	ug/L	100
53) m,p-Xylene	11.50	106	402714	4.823	ug/L	93
54) o-Xylene	11.83	106	363929	4.810	ug/L	99
55) Styrene	11.84	104	566603	4.702	ug/L	99
56) Isopropylbenzene	12.13	105	1032753	4.914	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	75848	4.461	ug/L #	98
59) 1,2,3-Trichloropropane	12.43	75	55663	4.476	ug/L	99
61) Bromoform	12.01	173	36899	4.526	ug/L	100
62) 1,3-Dichlorobenzene	13.16	146	300964	4.563	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	317007	4.363	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	251452	4.627	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	8568	4.227	ug/L	91
67) 1,3,5-Trichlorobenzene	14.29	180	186858	4.538	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	109932	4.809	ug/L	99
69) Naphthalene	15.01	128	109975	4.923	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	79308	4.677	ug/L	97

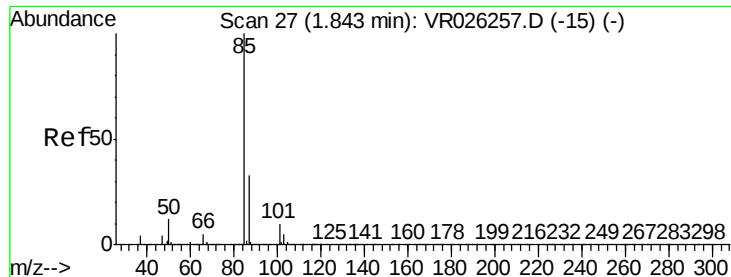
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.445 ug/L

RT: 1.84 min Scan# 26

Delta R.T. -0.01 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

Instrument :

MSVOA_R

ClientSampleId :

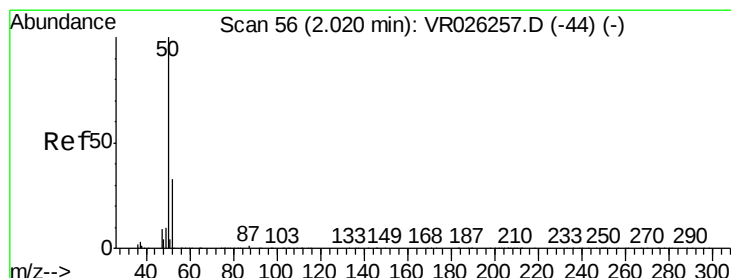
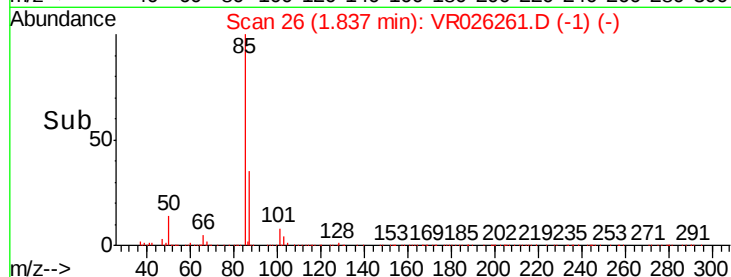
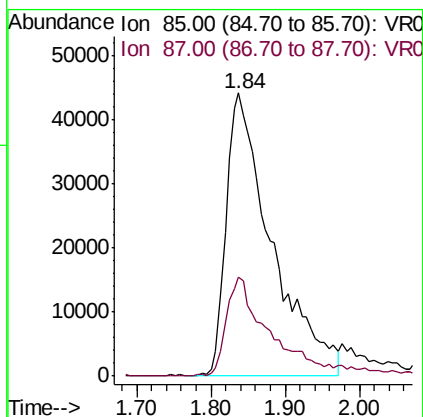
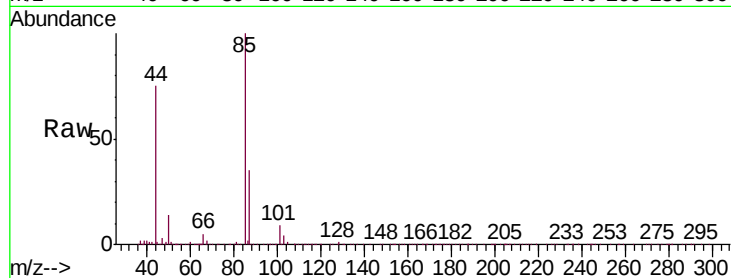
VSTD00597

Tgt Ion: 85 Resp: 187772

Ion Ratio Lower Upper

85 100

87 32.7 25.6 38.4



#3

Chloromethane

Concen: 4.516 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.00 min

Lab File: VR026261.D

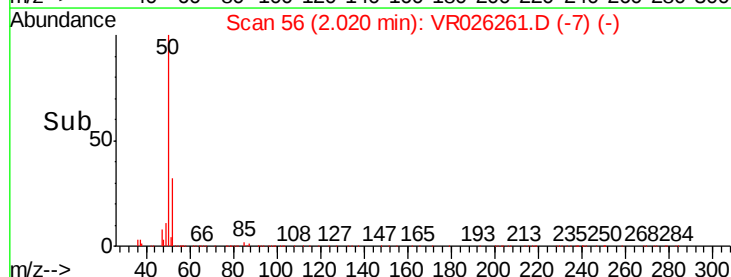
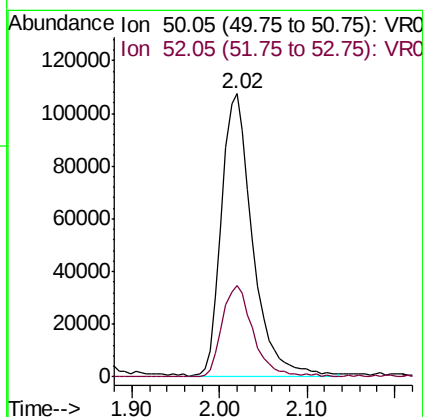
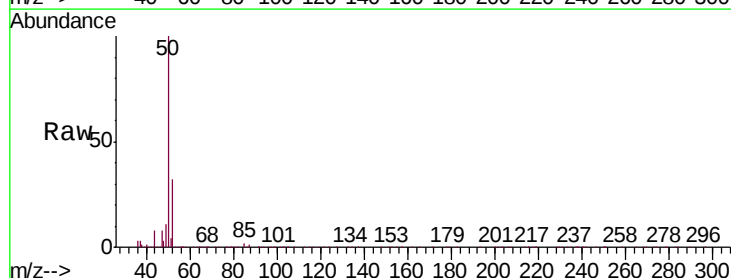
Acq: 21 Nov 2018 15:07

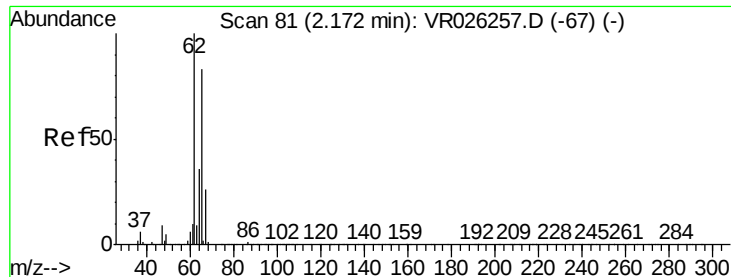
Tgt Ion: 50 Resp: 262942

Ion Ratio Lower Upper

50 100

52 32.1 23.0 42.8





#5

Vinyl chloride

Concen: 4.542 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.00 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

Instrument :

MSVOA_R

ClientSampleId :

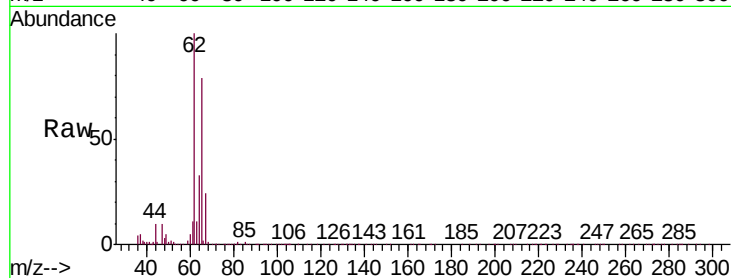
VSTD00597

Tgt Ion: 62 Resp: 261471

Ion Ratio Lower Upper

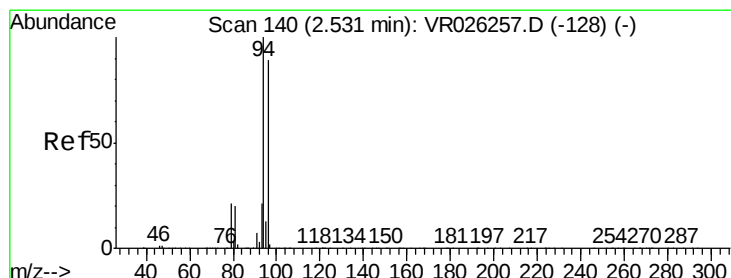
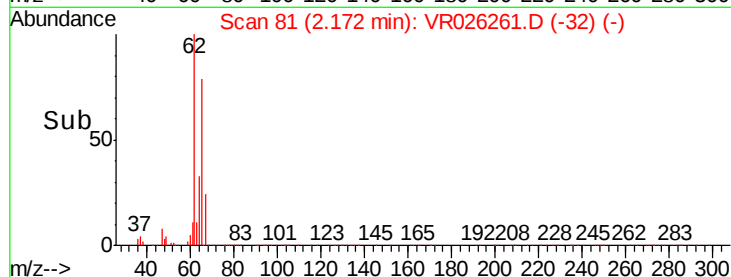
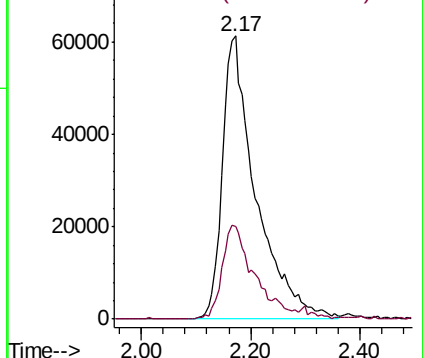
62 100

64 32.5 25.1 46.7



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 4.315 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR026261.D

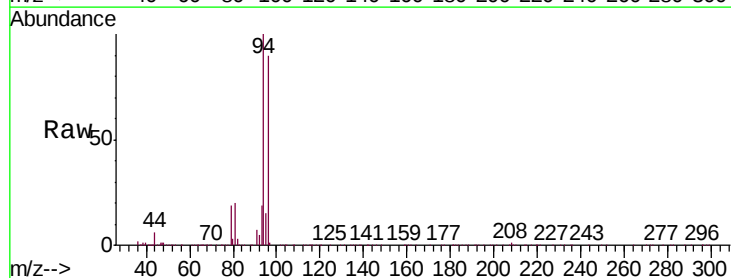
Acq: 21 Nov 2018 15:07

Tgt Ion: 94 Resp: 166229

Ion Ratio Lower Upper

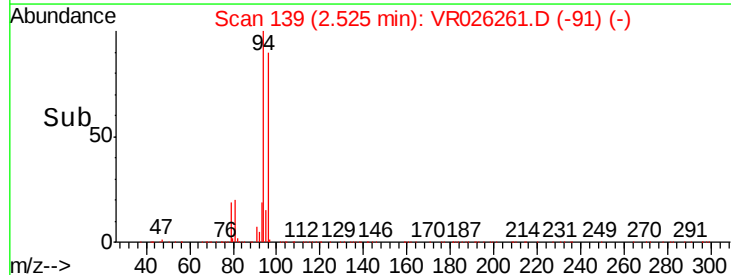
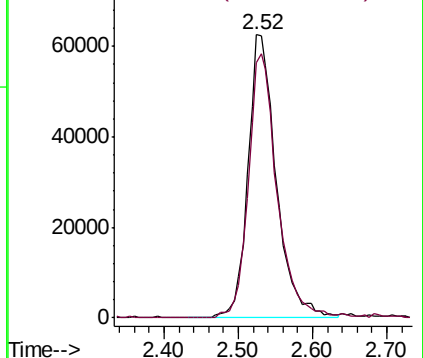
94 100

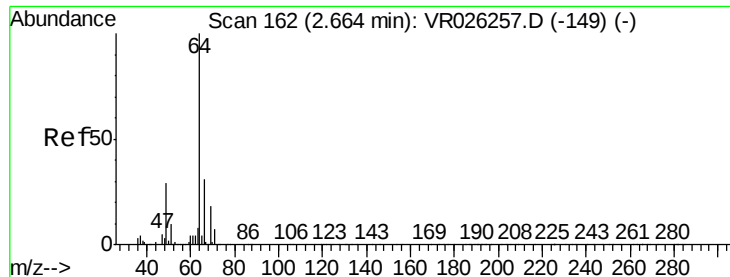
96 90.1 62.4 115.8



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 4.282 ug/L

RT: 2.66 min Scan# 161

Delta R.T. -0.01 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

Instrument :

MSVOA_R

ClientSampleId :

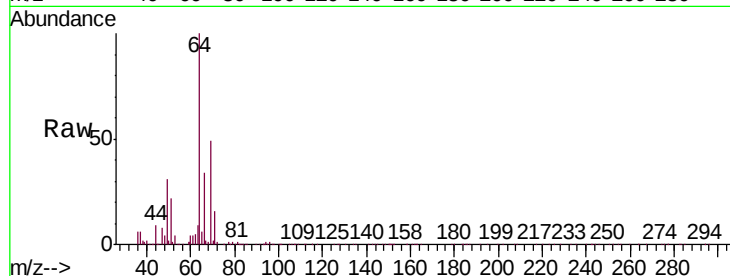
VSTD00597

Tgt Ion: 64 Resp: 154445

Ion Ratio Lower Upper

64 100

66 33.6 21.9 40.7



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

60000

50000

40000

30000

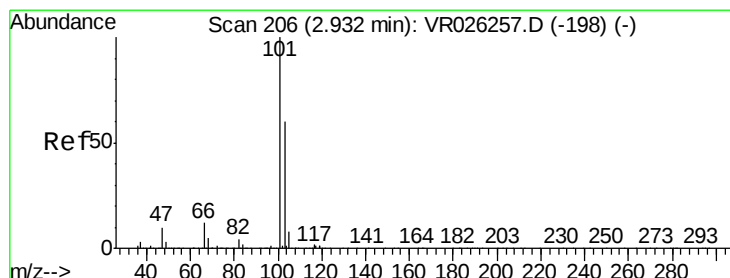
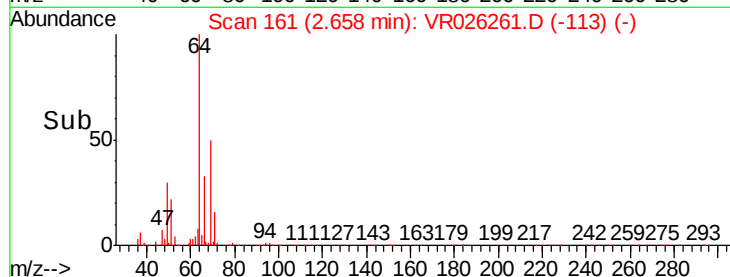
20000

10000

0

Time-->

2.50 2.60 2.70 2.80



#9

Trichlorofluoromethane

Concen: 1.533 ug/L

RT: 2.93 min Scan# 206

Delta R.T. 0.00 min

Lab File: VR026261.D

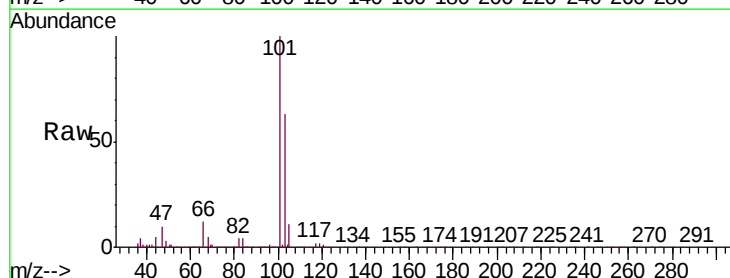
Acq: 21 Nov 2018 15:07

Tgt Ion: 101 Resp: 142470

Ion Ratio Lower Upper

101 100

103 64.2 18.3 27.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.93

60000

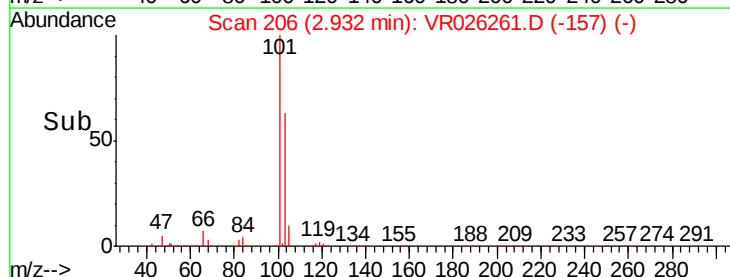
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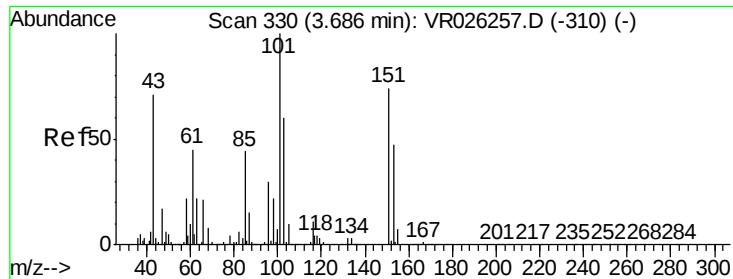
20000

0

Time-->

2.85 2.90 2.95





#10

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

Concen: 4.402 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.01 min

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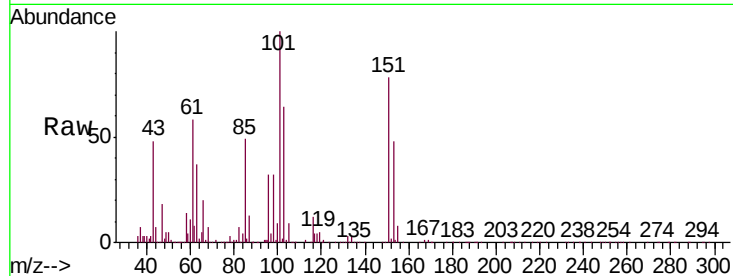
Tgt Ion:101 Resp: 223656

Ion Ratio Lower Upper

101 100

85 48.0 37.0 55.6

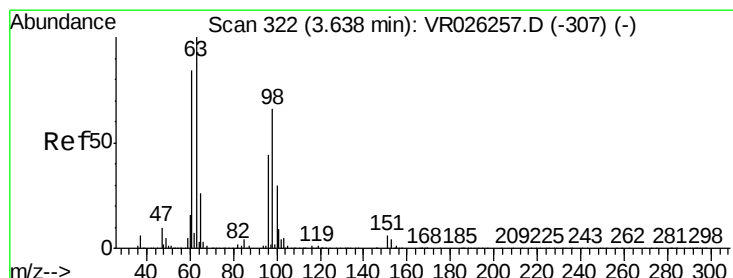
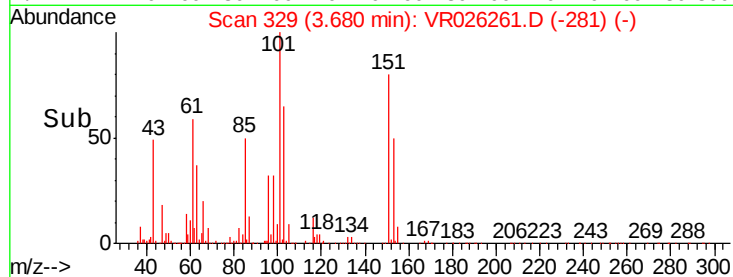
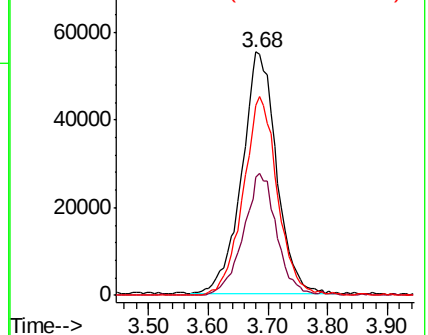
151 80.4 61.1 91.7



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: 4.485 ug/L

RT: 3.63 min Scan# 321

Delta R.T. -0.01 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

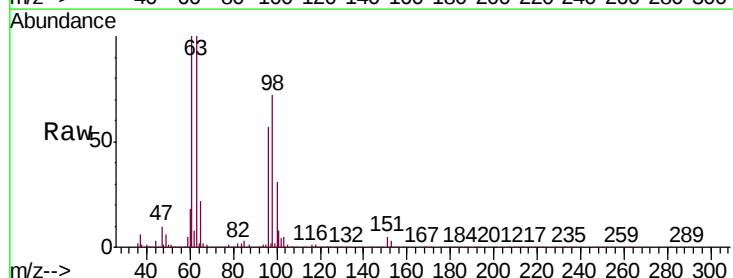
Tgt Ion: 96 Resp: 246280

Ion Ratio Lower Upper

96 100

61 175.1 135.5 251.7

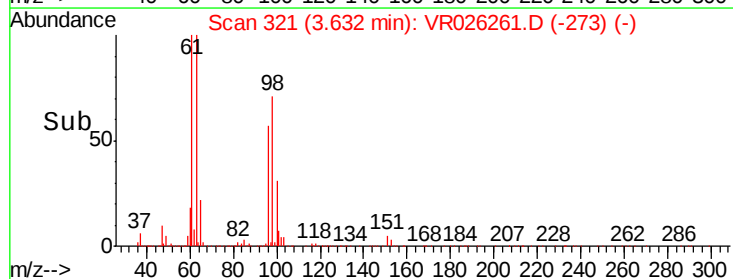
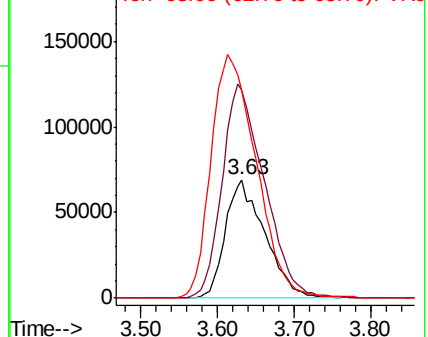
63 175.4 160.5 298.1

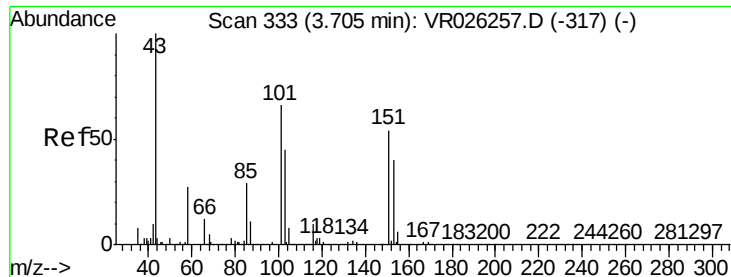


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 47.163 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.00 min

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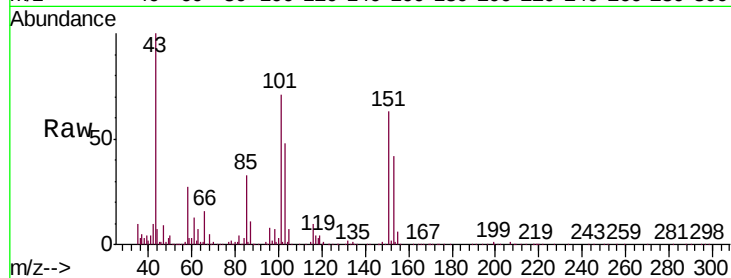
VSTD00597

Tgt Ion: 43 Resp: 179143

Ion Ratio Lower Upper

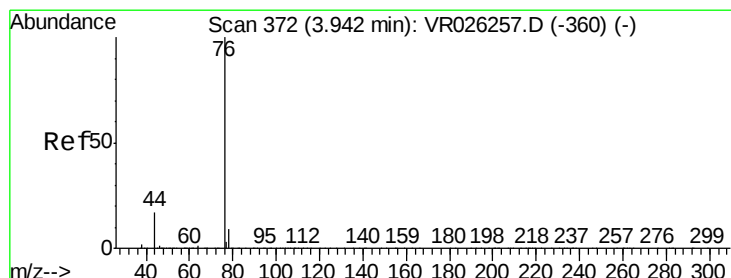
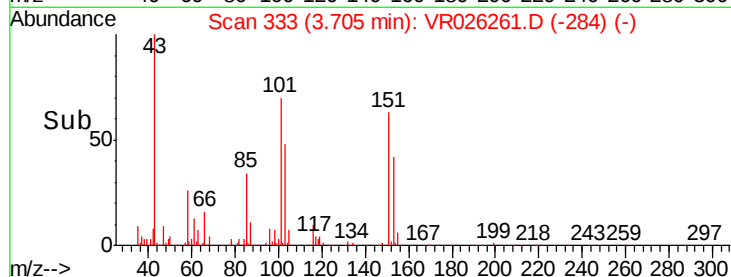
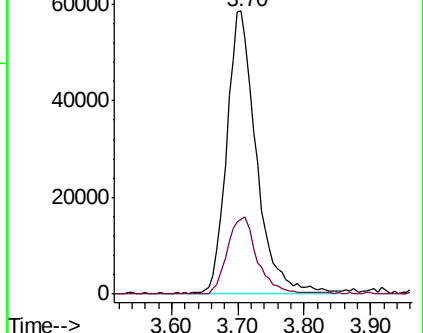
43 100

58 27.9 0.0 57.0



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 4.404 ug/L

RT: 3.94 min Scan# 371

Delta R.T. -0.01 min

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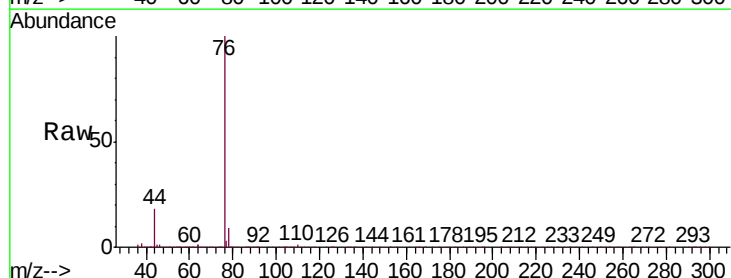
Acq: 21 Nov 2018 15:07

Tgt Ion: 76 Resp: 610189

Ion Ratio Lower Upper

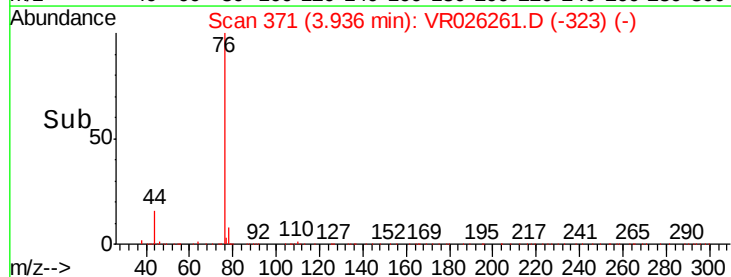
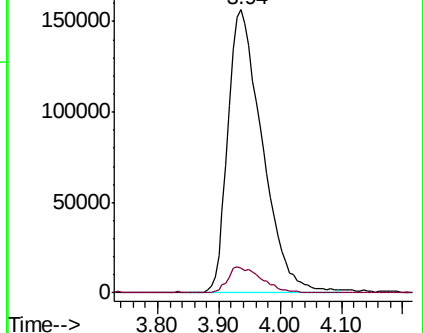
76 100

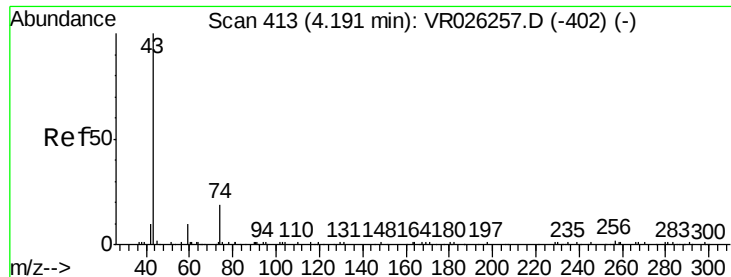
78 8.6 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

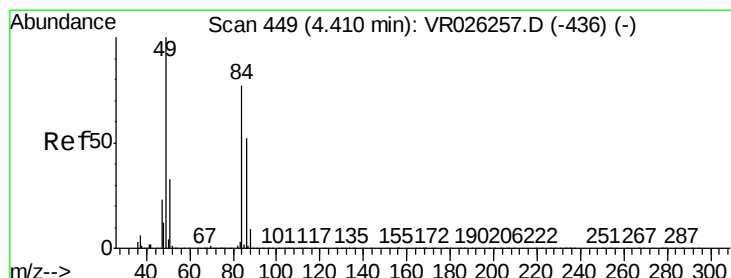
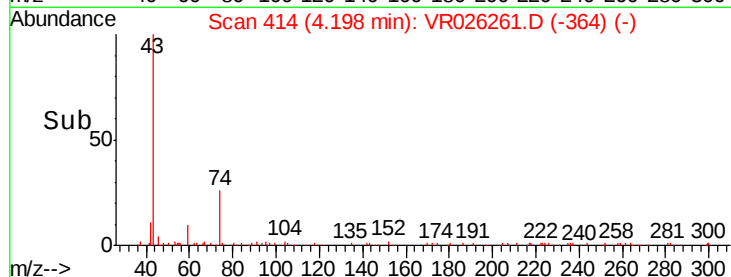
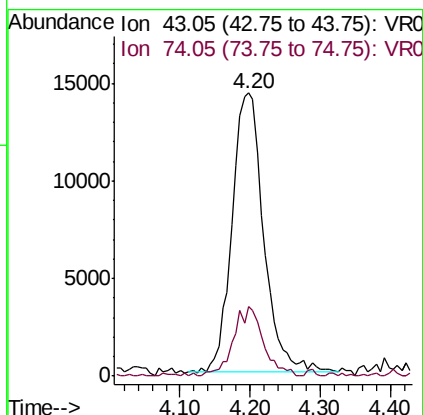
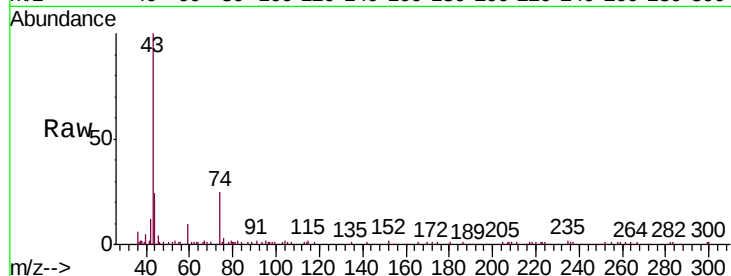




#15
Methyl Acetate
Concen: 4.377 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.01 min
Lab File: VR026261.D
Acq: 21 Nov 2018 15:07

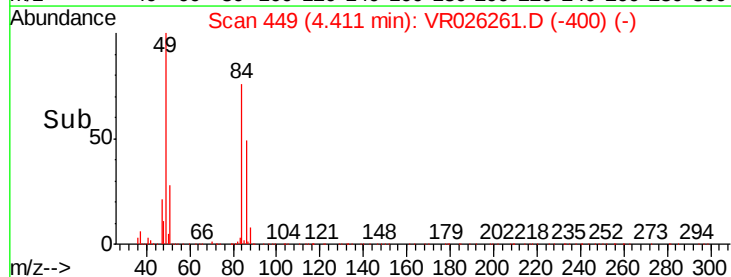
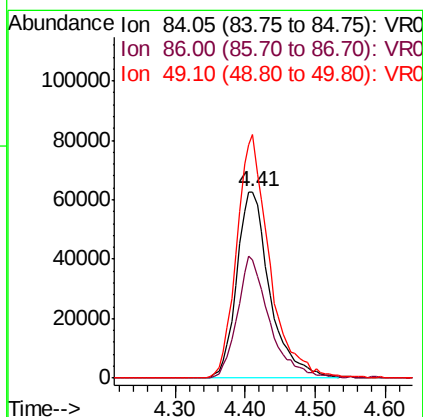
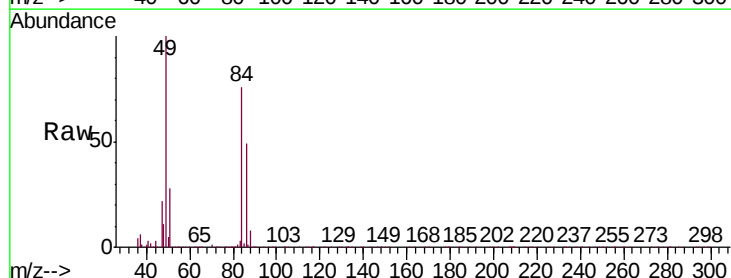
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

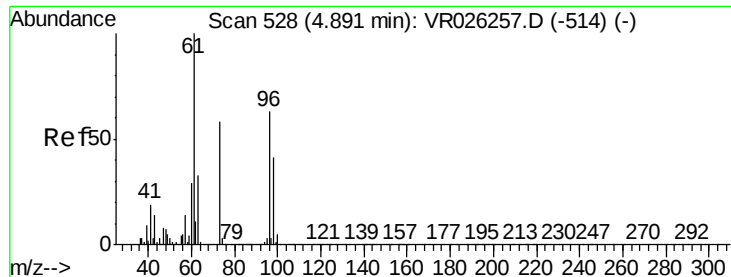
Tgt Ion: 43 Resp: 44985
Ion Ratio Lower Upper
43 100
74 23.3 21.0 31.4



#16
Methylene chloride
Concen: 4.111 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.00 min
Lab File: VR026261.D
Acq: 21 Nov 2018 15:07

Tgt Ion: 84 Resp: 205992
Ion Ratio Lower Upper
84 100
86 63.5 46.8 87.0
49 130.8 90.8 168.6



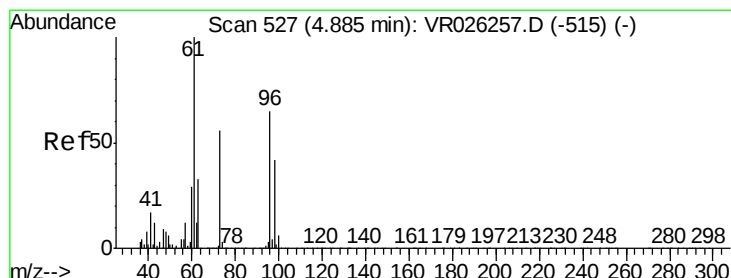
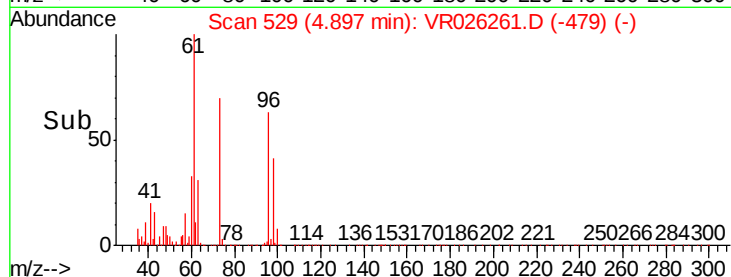
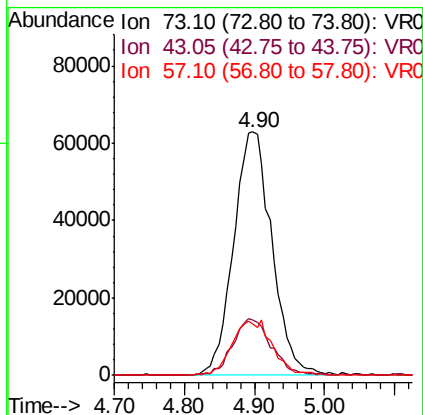
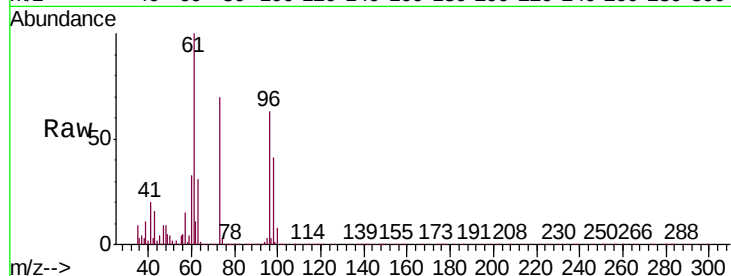


#17

Methyl tert-butyl Ether
Concen: 4.401 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.01 min
Lab File: VR026261.D
Acq: 21 Nov 2018 15:07

Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

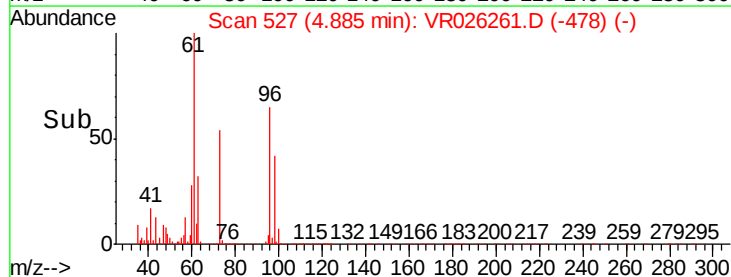
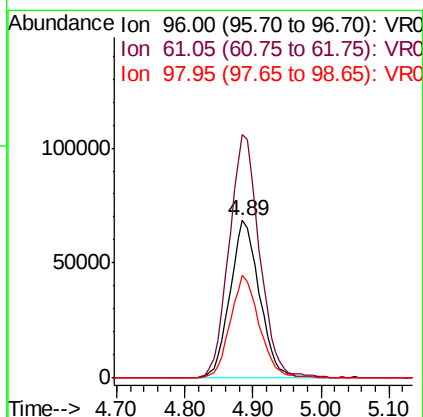
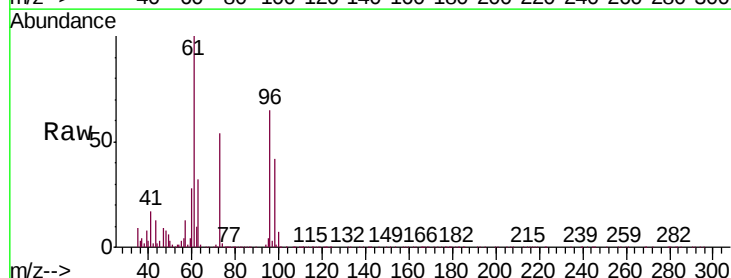
Tgt Ion:	73	Resp:	239495
Ion	Ratio	Lower	Upper
73	100		
43	23.7	19.0	28.6
57	23.6	18.6	28.0

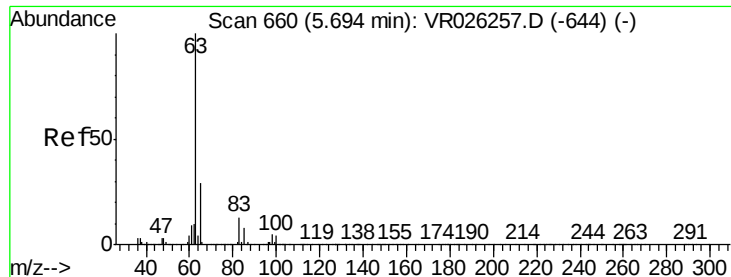


#18

trans-1,2-Dichloroethene
Concen: 4.452 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026261.D
Acq: 21 Nov 2018 15:07

Tgt Ion:	96	Resp:	206951
Ion	Ratio	Lower	Upper
96	100		
61	154.8	108.4	201.4
98	65.7	45.2	84.0

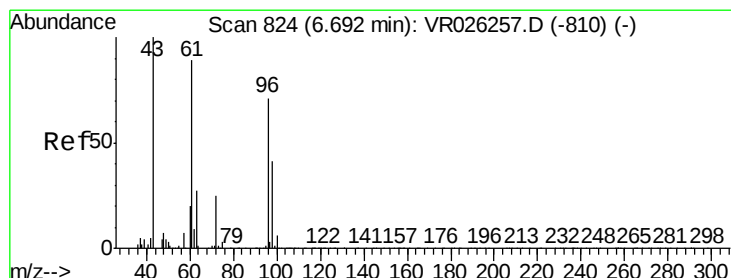
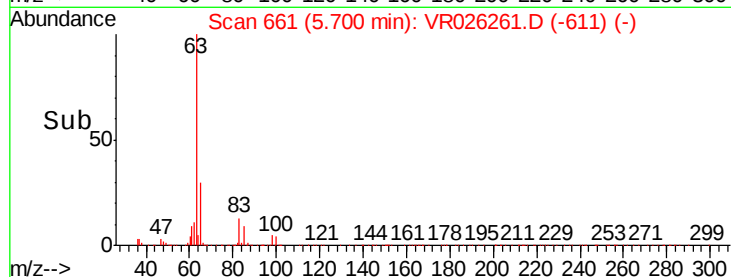
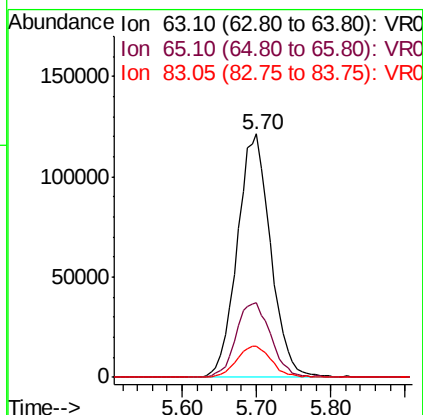
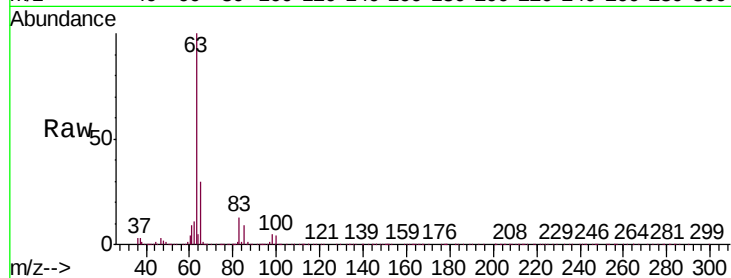




#19
 1,1-Dichloroethane
 Concen: 4.502 ug/L
 RT: 5.70 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VR026261.D
 Acq: 21 Nov 2018 15:07

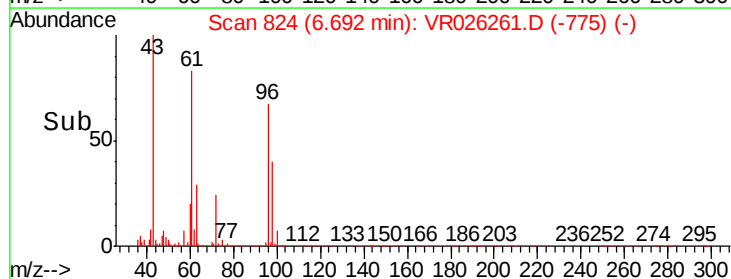
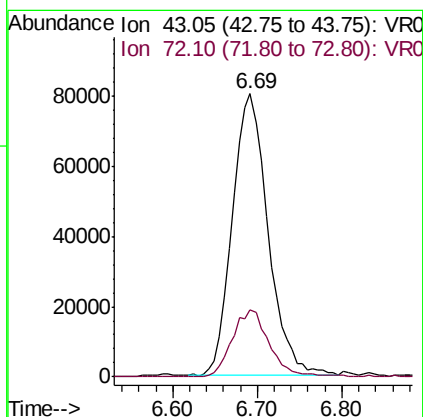
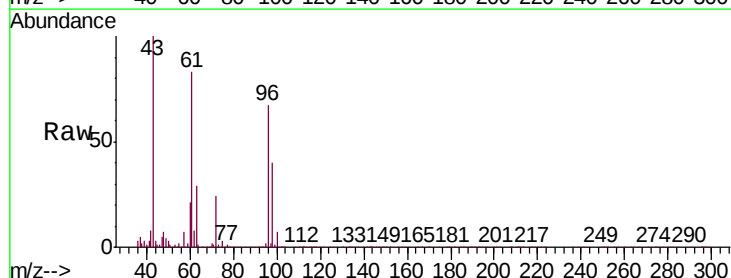
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

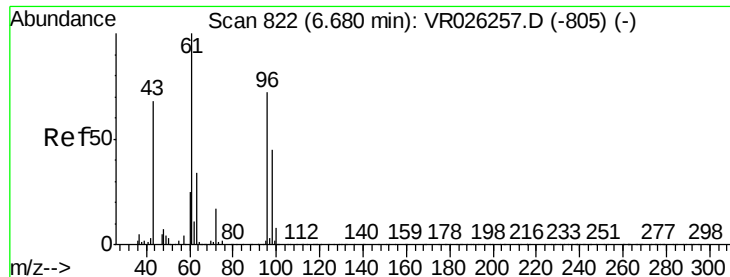
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.5	20.0	37.2
83	12.7	8.9	16.5



#21
 2-Butanone
 Concen: 47.562 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: VR026261.D
 Acq: 21 Nov 2018 15:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.4	12.3	36.8



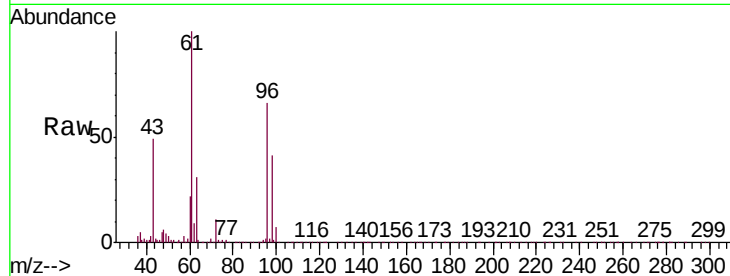


#22

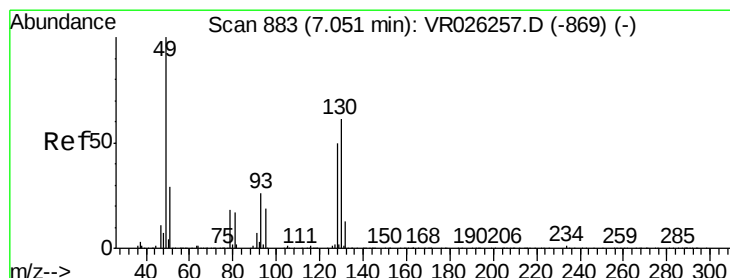
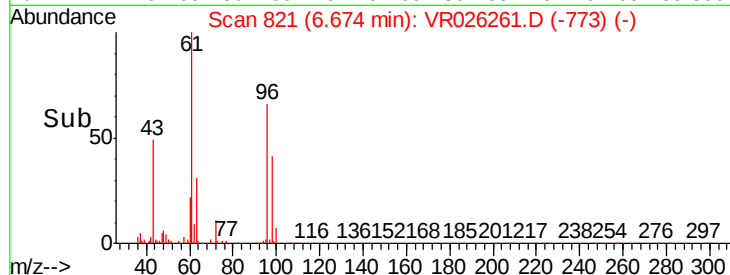
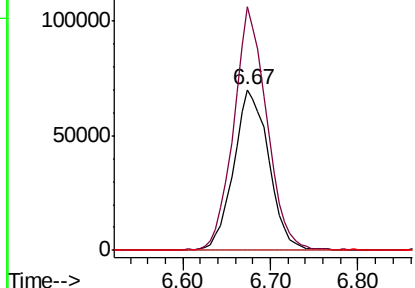
cis-1,2-Dichloroethene
Concen: 4.692 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR026261.D
Acq: 21 Nov 2018 15:07

Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

Tgt Ion: 96 Resp: 194764
Ion Ratio Lower Upper
96 100
61 151.7 97.6 181.4
68 0.0 0.0 0.0



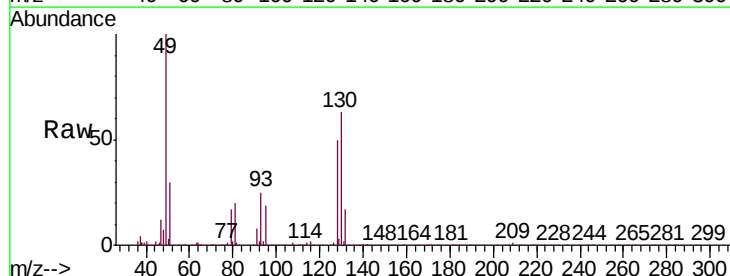
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



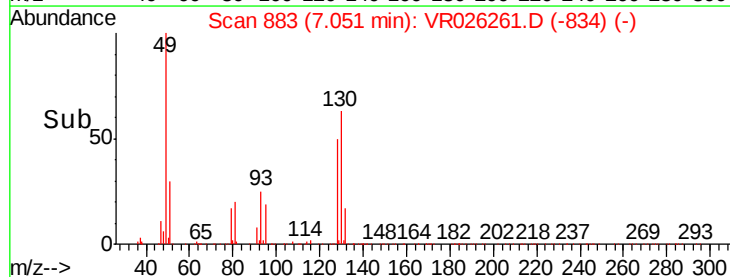
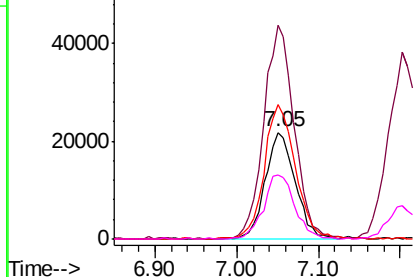
#23

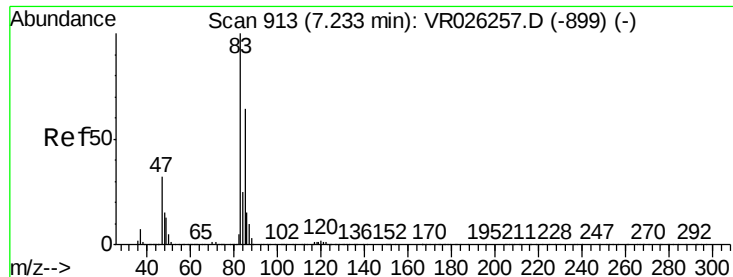
Bromochloromethane
Concen: 4.299 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR026261.D
Acq: 21 Nov 2018 15:07

Tgt Ion: 128 Resp: 55488
Ion Ratio Lower Upper
128 100
49 200.2 140.3 260.6
130 126.0 85.2 158.2
51 60.0 46.4 69.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VR0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VR0





#25

Chloroform

Concen: 4.106 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.00 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

Instrument :

MSVOA_R

ClientSampleId :

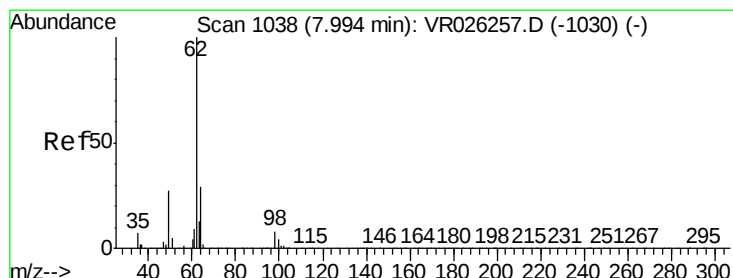
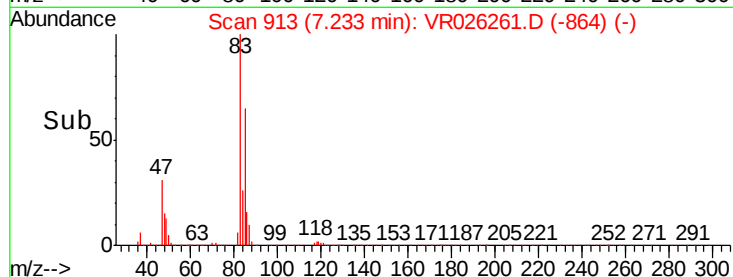
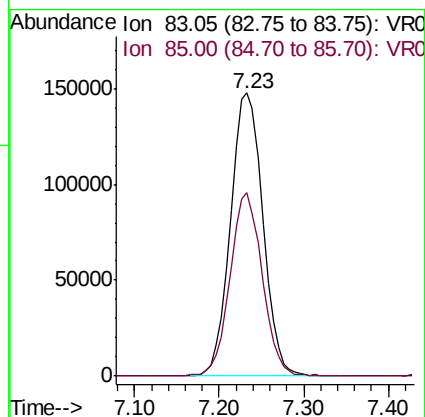
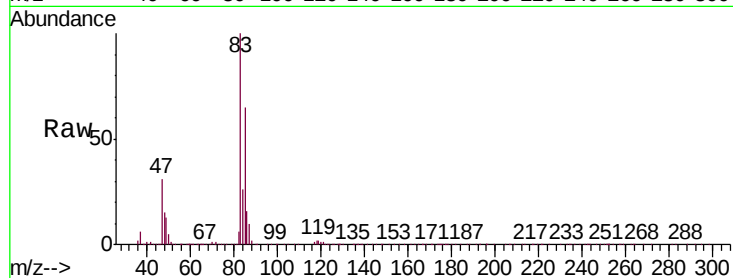
VSTD00597

Tgt Ion: 83 Resp: 383925

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.9



#27

1,2-Dichloroethane

Concen: 4.459 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR026261.D

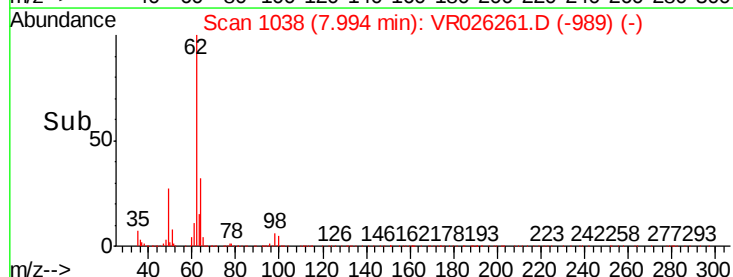
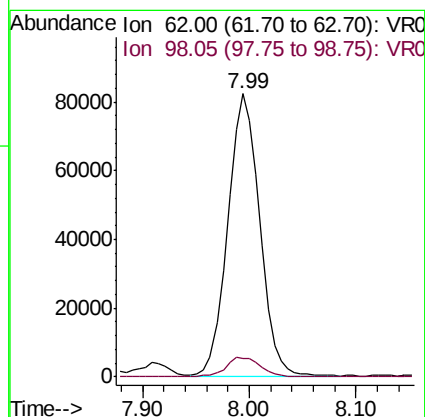
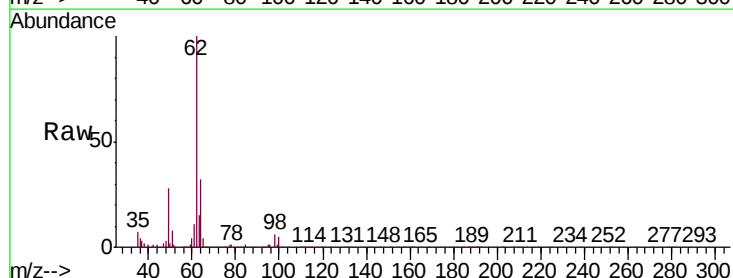
Acq: 21 Nov 2018 15:07

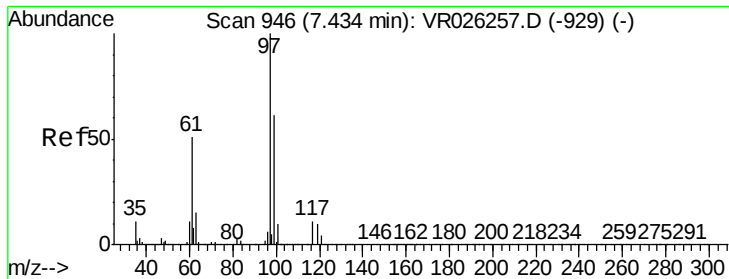
Tgt Ion: 62 Resp: 171289

Ion Ratio Lower Upper

62 100

98 6.3 6.0 9.0

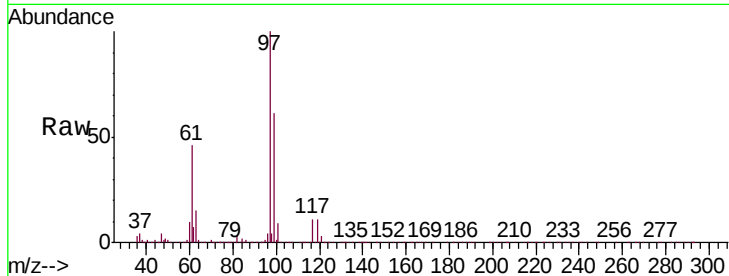




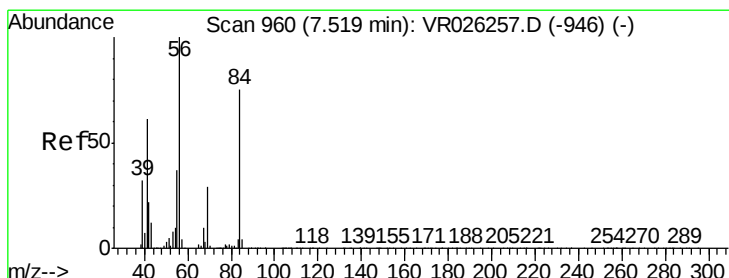
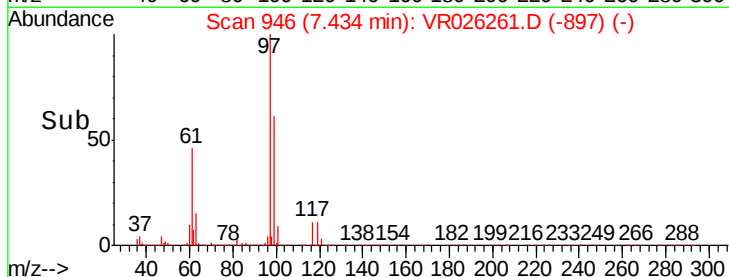
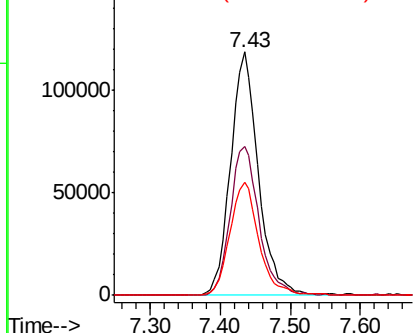
#29
 1,1,1-Trichloroethane
 Concen: 4.464 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VR026261.D
 Acq: 21 Nov 2018 15:07

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Tgt Ion: 97 Resp: 326228
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.7 76.1
 61 48.7 40.2 60.4

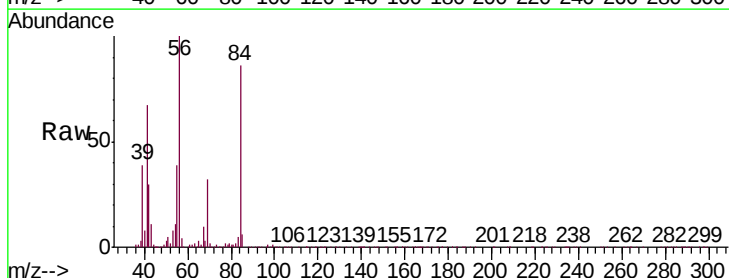


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

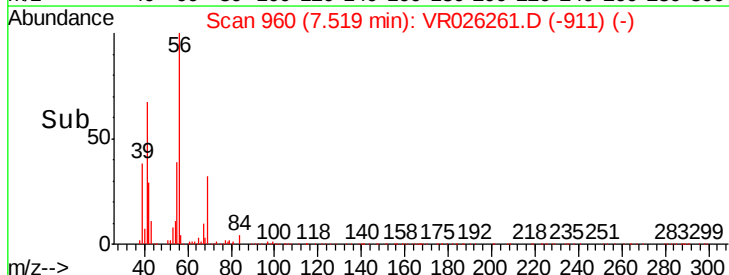
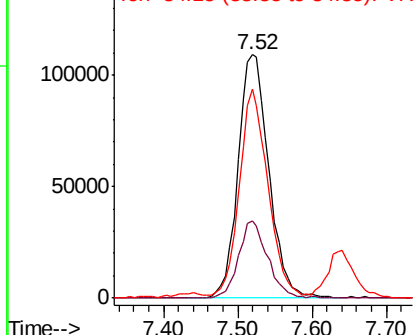


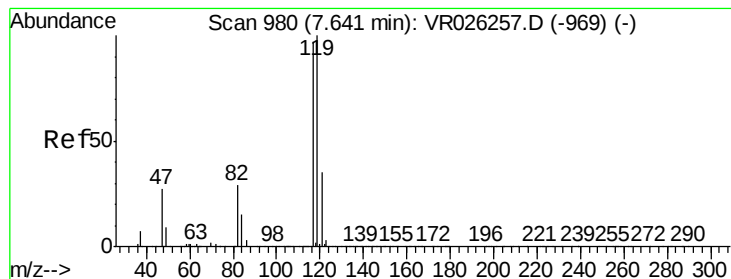
#30
 Cyclohexane
 Concen: 5.036 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: VR026261.D
 Acq: 21 Nov 2018 15:07

Tgt Ion: 56 Resp: 316078
 Ion Ratio Lower Upper
 56 100
 69 29.7 23.8 35.8
 84 79.7 62.4 93.6



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





#31

Carbon tetrachloride

Concen: 4.517 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.00 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

Instrument :

MSVOA_R

ClientSampleId :

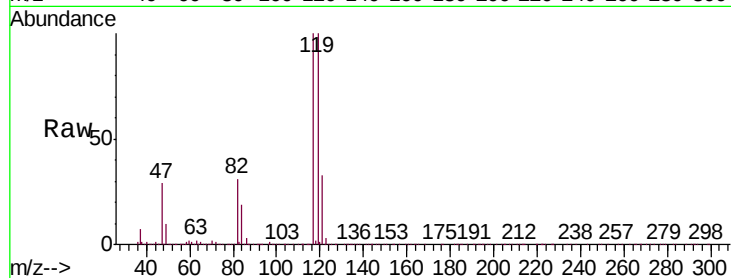
VSTD00597

Tgt Ion:117 Resp: 295828

Ion Ratio Lower Upper

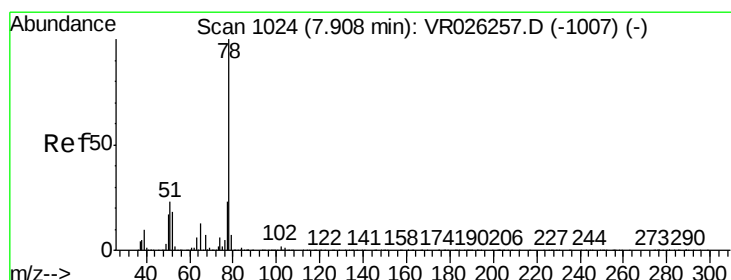
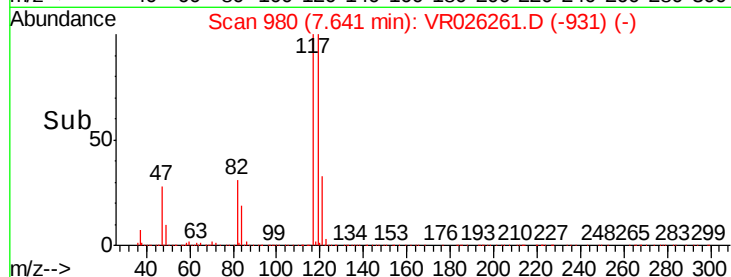
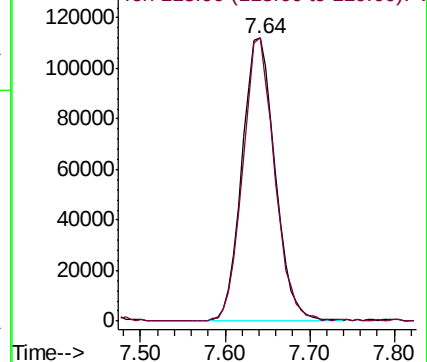
117 100

119 96.0 77.0 115.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.535 ug/L

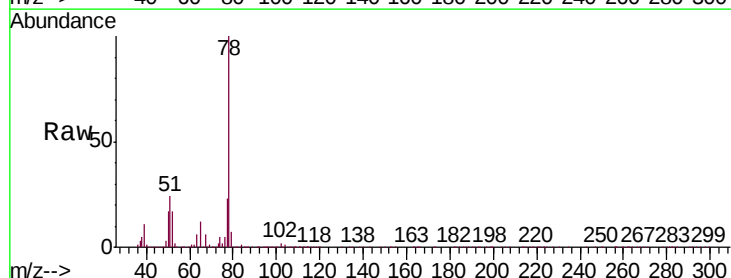
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

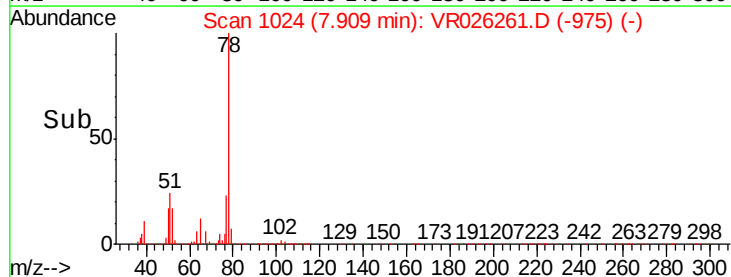
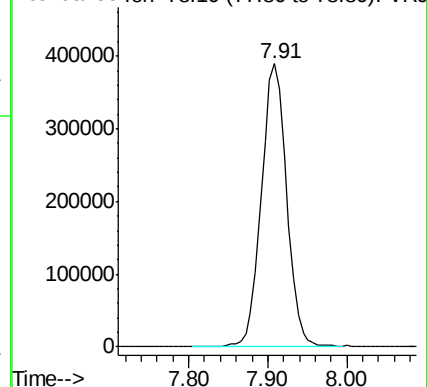
Lab File: VR026261.D

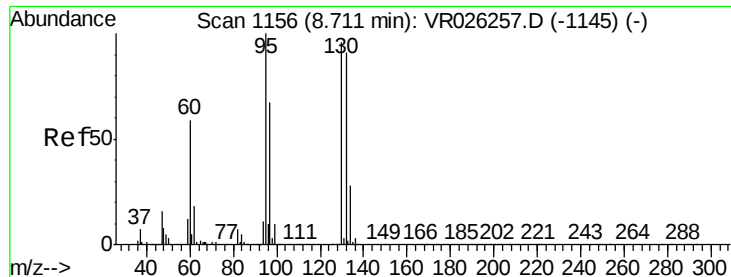
Acq: 21 Nov 2018 15:07

Tgt Ion: 78 Resp: 867262



Abundance Ion 78.10 (77.80 to 78.80): VR0

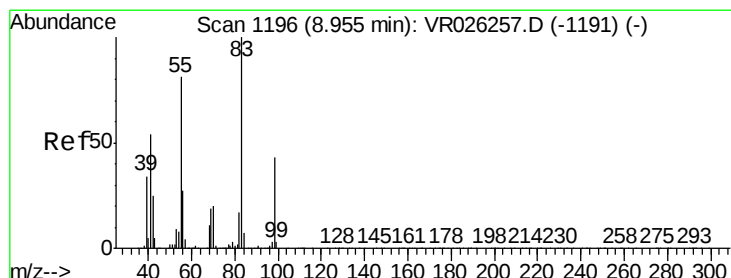
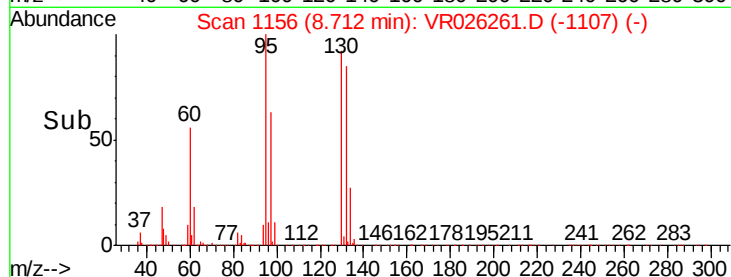
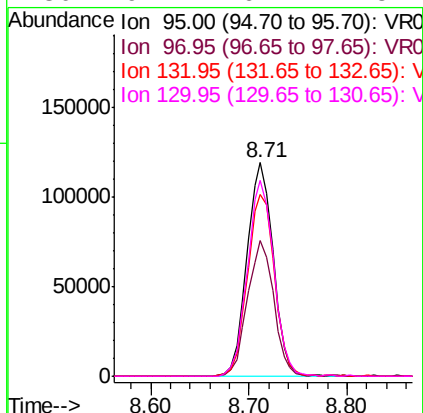
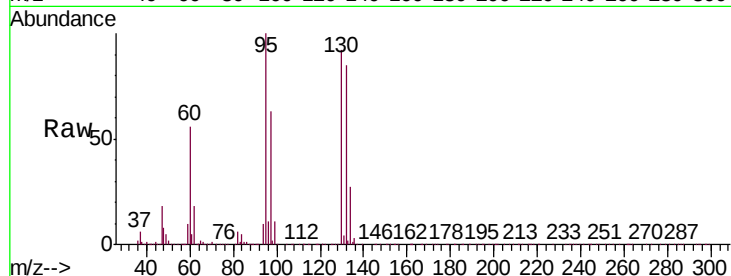




#34
 Trichloroethene
 Concen: 4.465 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VR026261.D
 Acq: 21 Nov 2018 15:07

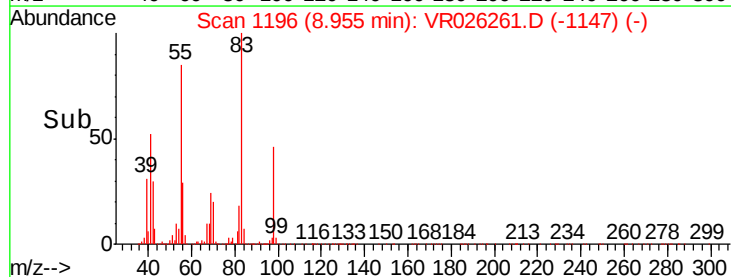
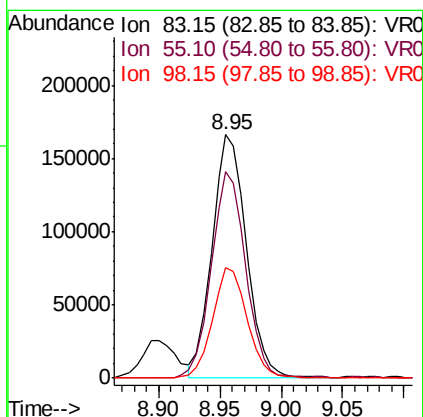
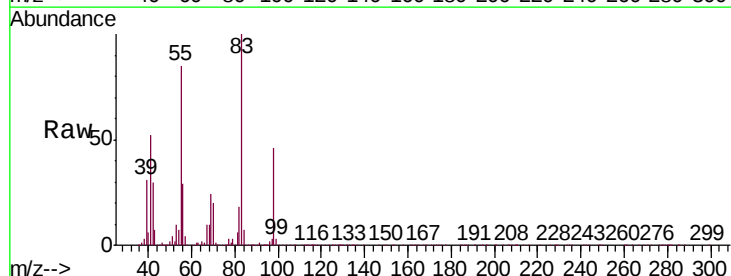
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

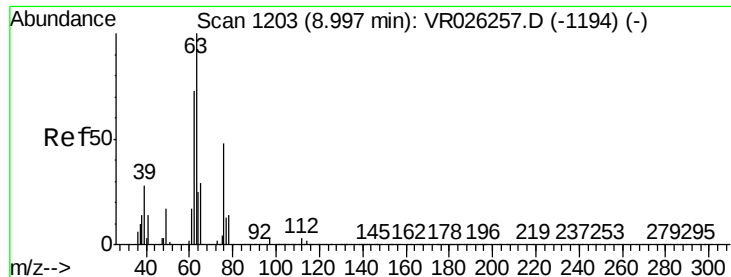
Tgt Ion:	95	Resp:	221947
Ion	Ratio	Lower	Upper
95	100		
97	63.5	46.8	87.0
132	85.1	63.9	118.7
130	91.7	67.4	125.2



#35
 Methylcyclohexane
 Concen: 4.782 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR026261.D
 Acq: 21 Nov 2018 15:07

Tgt Ion:	83	Resp:	320927
Ion	Ratio	Lower	Upper
83	100		
55	85.0	66.8	100.2
98	46.2	34.8	52.2





#37

1,2-Dichloropropane

Concen: 4.429 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

Instrument :

MSVOA_R

ClientSampleId :

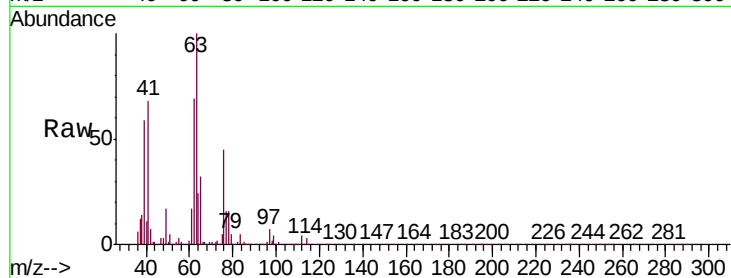
VSTD00597

Tgt Ion: 63 Resp: 177019

Ion Ratio Lower Upper

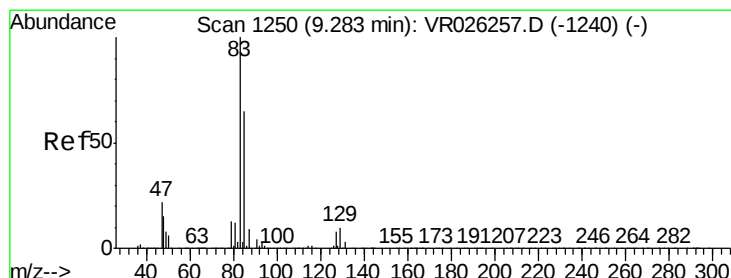
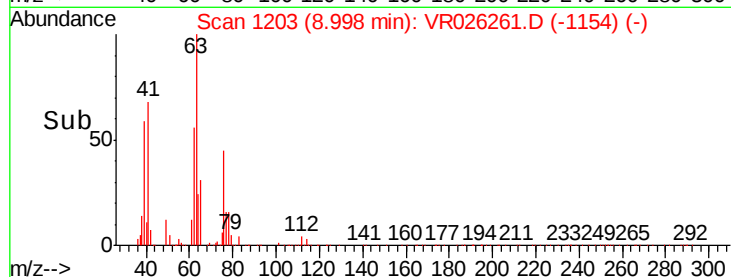
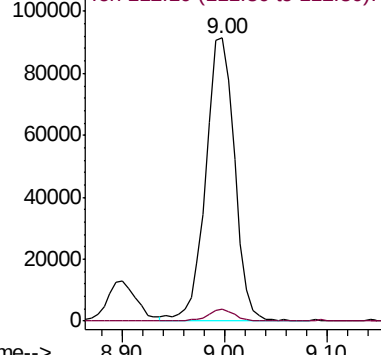
63 100

112 4.1 3.0 4.6



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 4.387 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

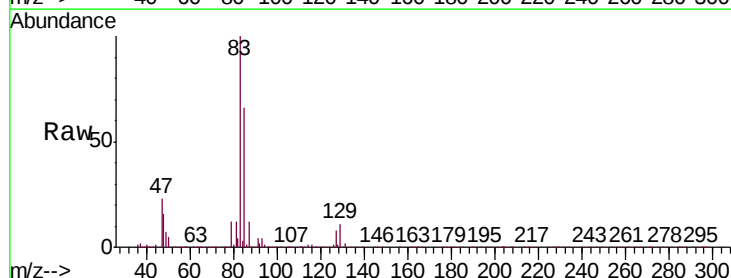
Tgt Ion: 83 Resp: 207112

Ion Ratio Lower Upper

83 100

85 65.6 45.5 84.5

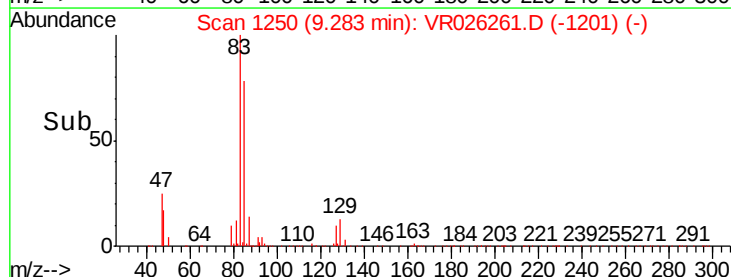
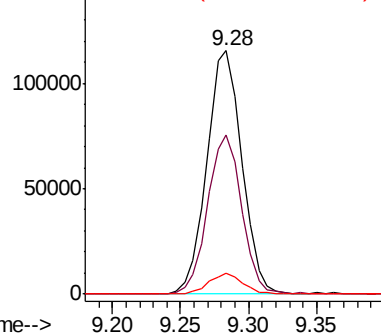
127 8.5 6.3 9.5

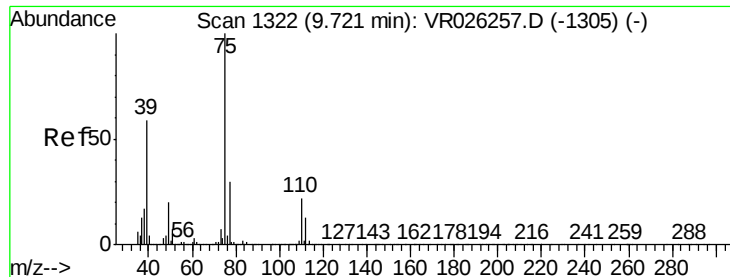


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V





#39

cis-1,3-Dichloropropene

Concen: 4.858 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

Instrument :

MSVOA_R

ClientSampleId :

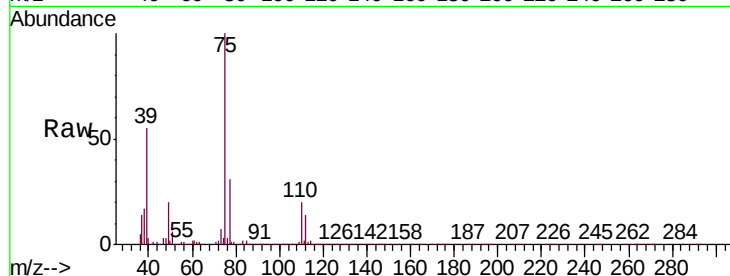
VSTD00597

Tgt Ion: 75 Resp: 218253

Ion Ratio Lower Upper

75 100

77 31.4 20.9 38.7



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

9.72

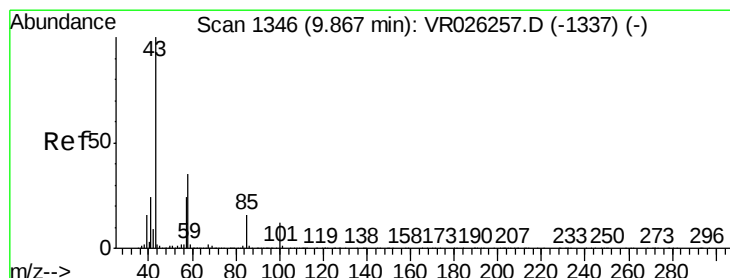
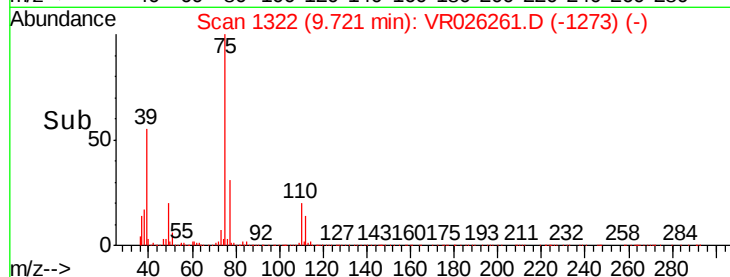
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 49.528 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

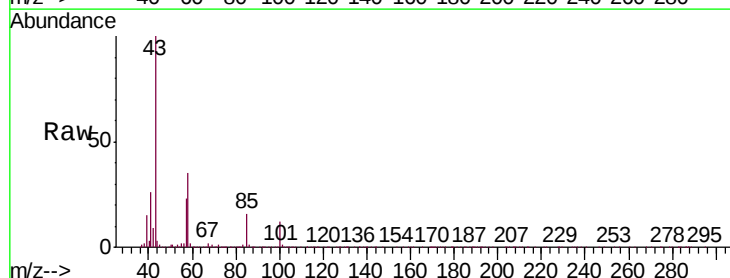
Tgt Ion: 43 Resp: 566534

Ion Ratio Lower Upper

43 100

58 35.0 28.6 42.8

100 11.7 10.0 15.0



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

9.87

400000

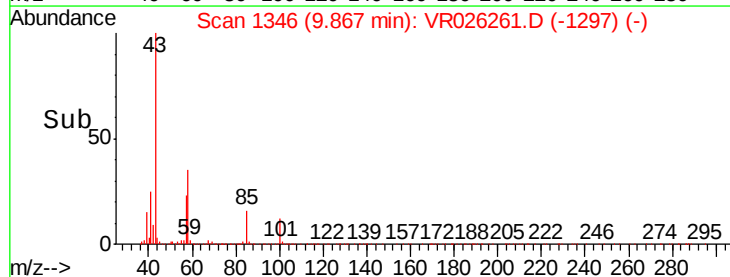
300000

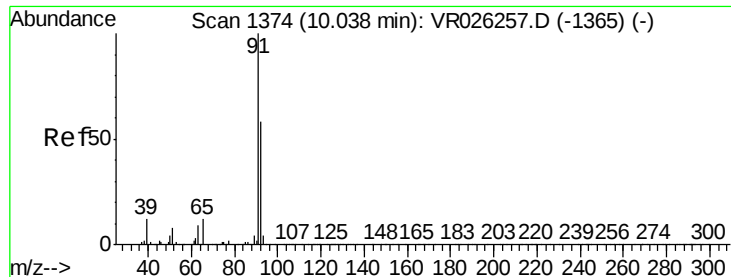
200000

100000

0

Time-->





#42

Toluene

Concen: 4.563 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

Instrument :

MSVOA_R

ClientSampleId :

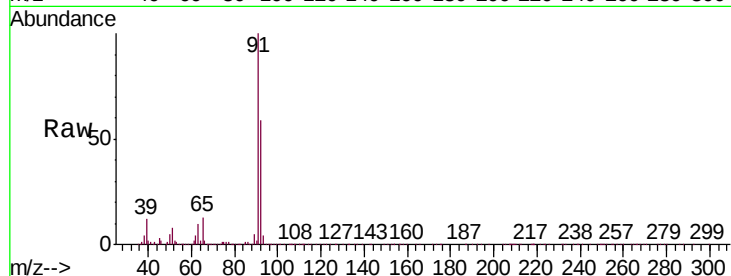
VSTD00597

Tgt Ion: 91 Resp: 946846

Ion Ratio Lower Upper

91 100

92 58.6 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0

10.04

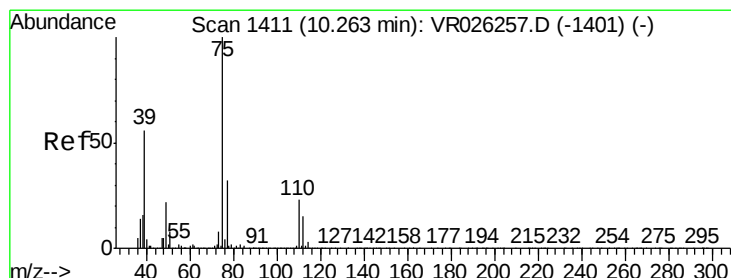
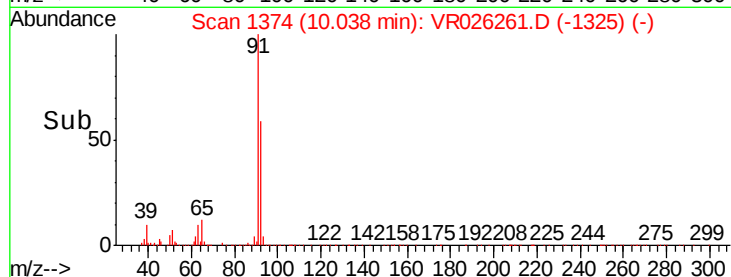
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.718 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026261.D

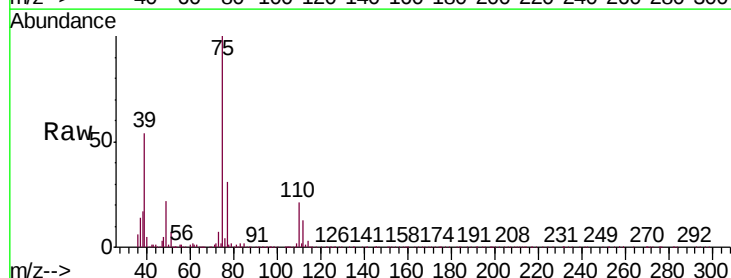
Acq: 21 Nov 2018 15:07

Tgt Ion: 75 Resp: 143554

Ion Ratio Lower Upper

75 100

77 31.0 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

10.26

100000

80000

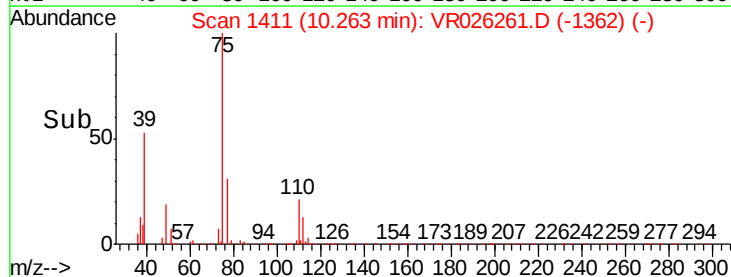
60000

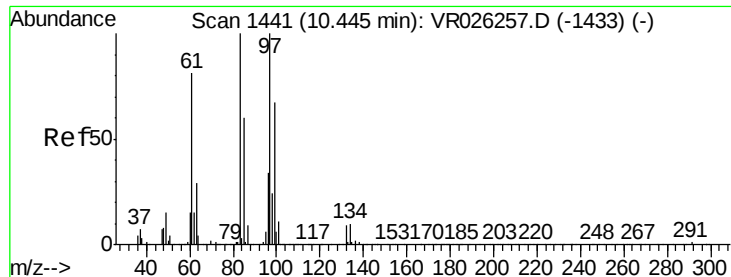
40000

20000

0

Time-->

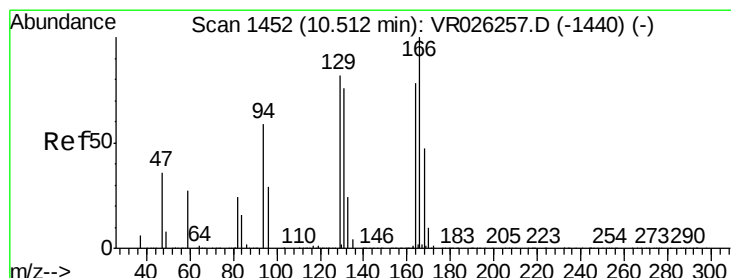
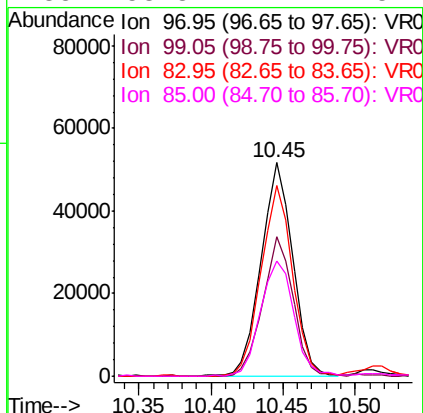
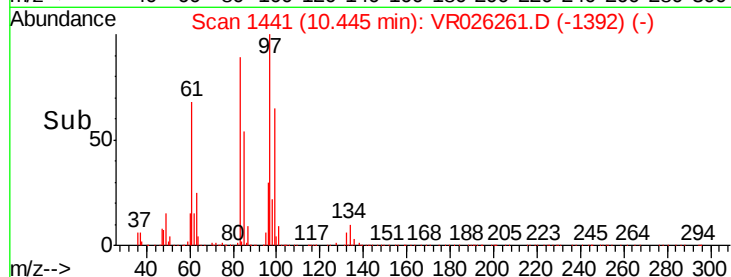
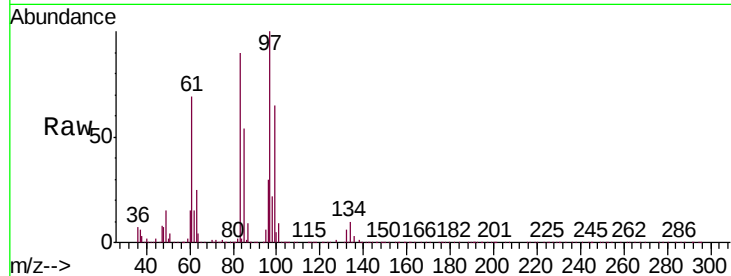




#45
 1,1,2-Trichloroethane
 Concen: 4.440 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR026261.D
 Acq: 21 Nov 2018 15:07

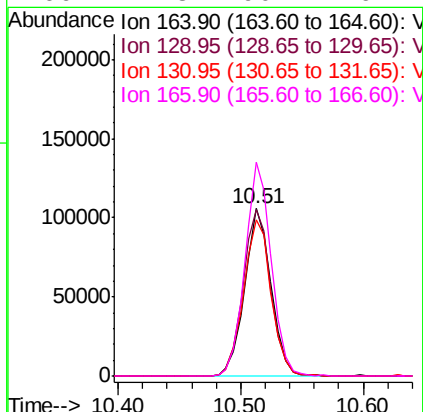
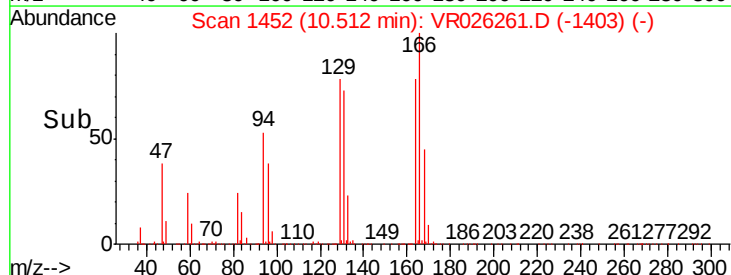
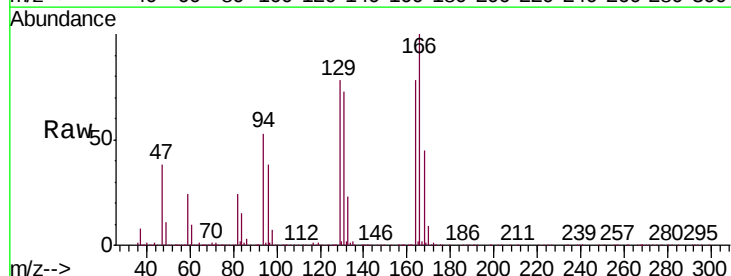
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

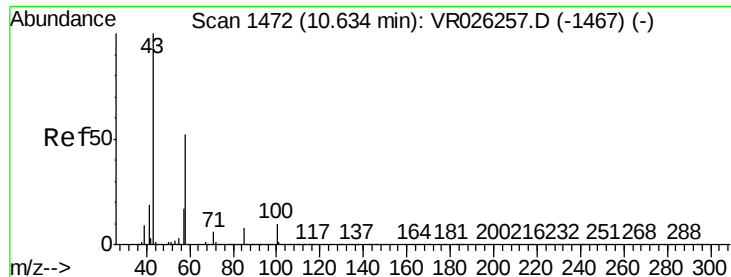
Tgt Ion:	97	Resp:	78901
Ion	Ratio	Lower	Upper
97	100		
99	65.2	46.8	86.8
83	89.6	70.1	130.3
85	53.8	42.1	78.1



#47
 Tetrachloroethene
 Concen: 4.418 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026261.D
 Acq: 21 Nov 2018 15:07

Tgt Ion:	164	Resp:	158305
Ion	Ratio	Lower	Upper
164	100		
129	99.8	73.4	136.4
131	93.5	68.9	127.9
166	127.8	90.2	167.4

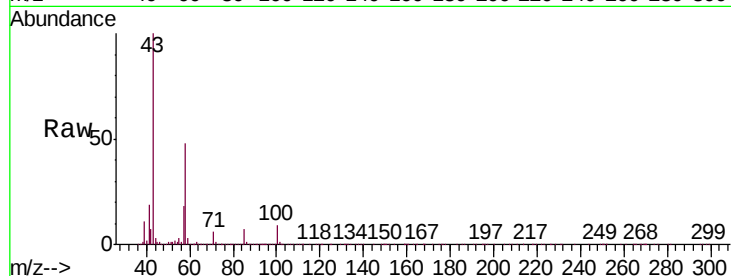




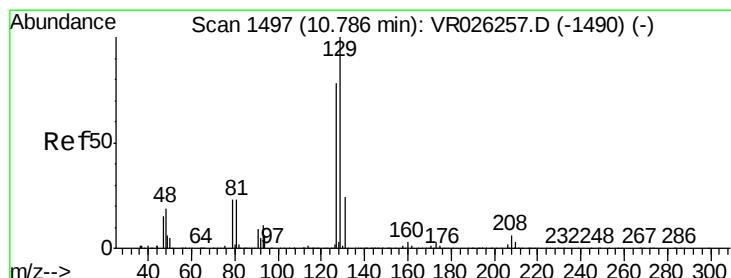
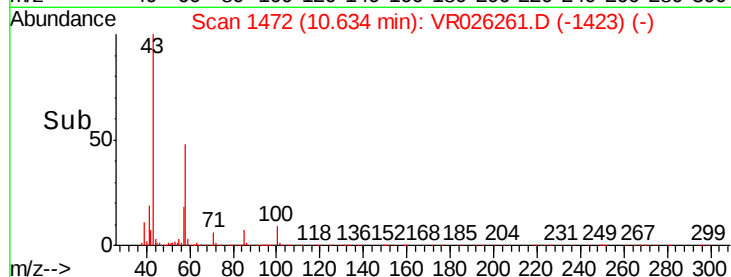
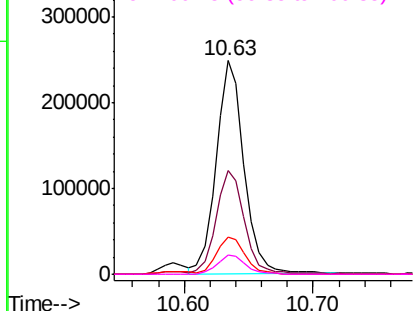
#48
2-Hexanone
Concen: 49.208 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026261.D
Acq: 21 Nov 2018 15:07

Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

Tgt Ion:	43	Resp:	376719
Ion	Ratio	Lower	Upper
43	100		
58	49.0	40.4	60.6
57	18.0	14.2	21.2
100	9.0	7.6	11.4

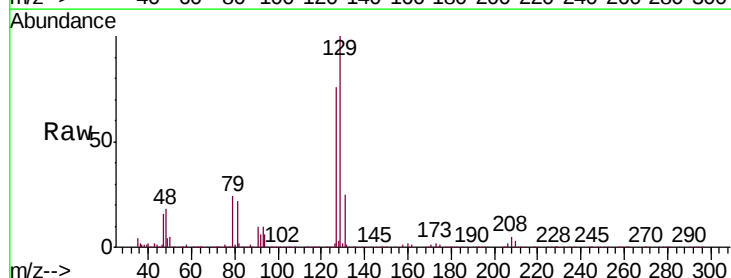


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

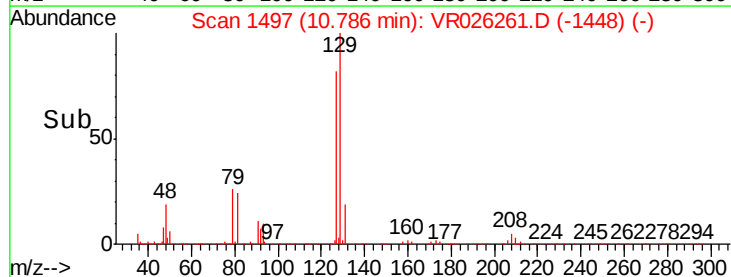
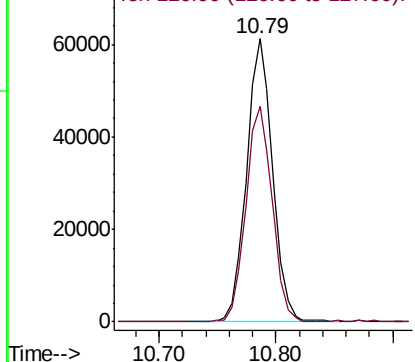


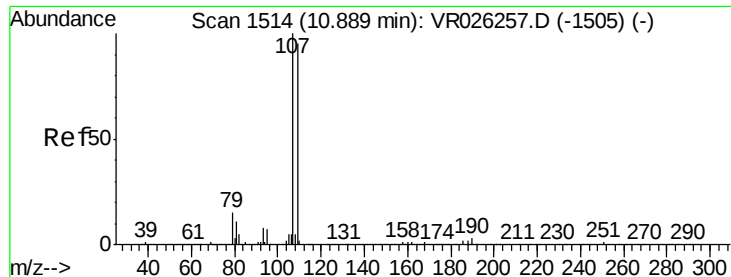
#49
Dibromochloromethane
Concen: 4.466 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026261.D
Acq: 21 Nov 2018 15:07

Tgt Ion:	129	Resp:	95452
Ion	Ratio	Lower	Upper
129	100		
127	76.2	54.6	101.4



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

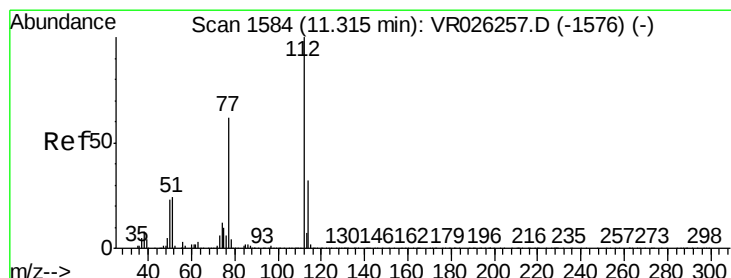
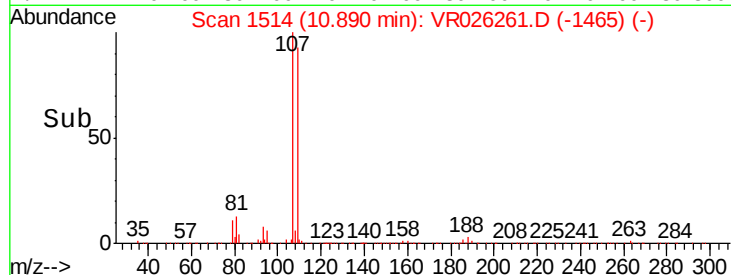
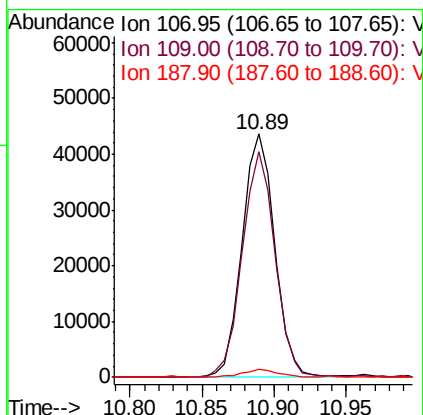
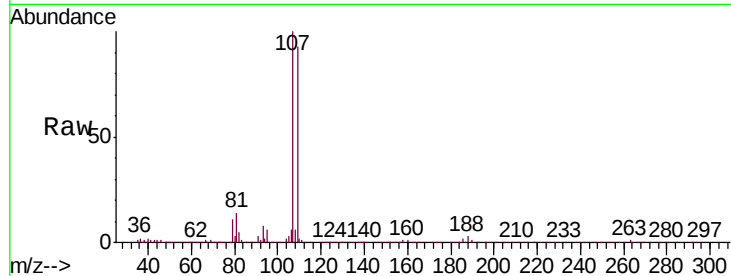




#50
1,2-Dibromoethane
Concen: 4.588 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026261.D
Acq: 21 Nov 2018 15:07

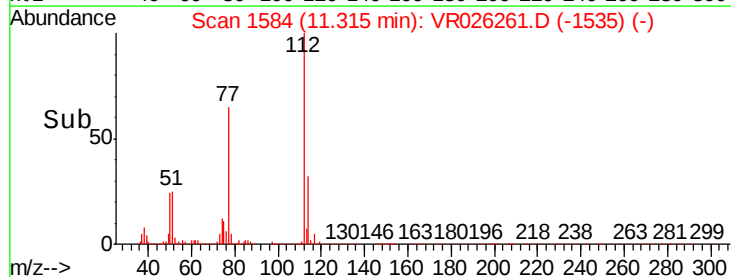
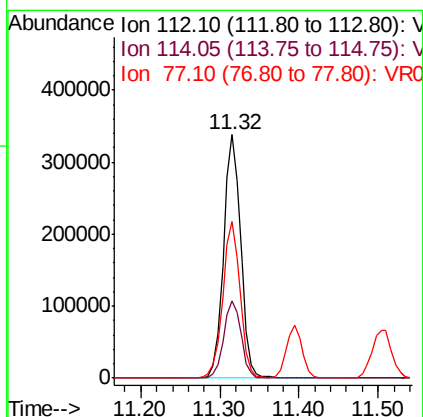
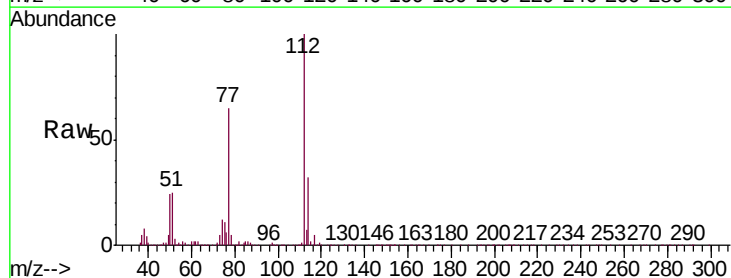
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

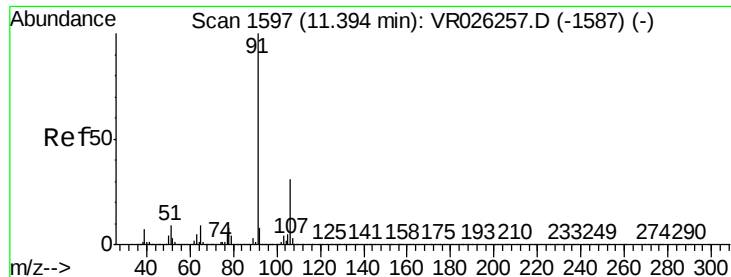
Tgt Ion:107 Resp: 68410
Ion Ratio Lower Upper
107 100
109 92.9 66.6 123.6
188 3.5 2.0 3.0#



#51
Chlorobenzene
Concen: 4.398 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026261.D
Acq: 21 Nov 2018 15:07

Tgt Ion:112 Resp: 507166
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.3
77 64.5 49.8 74.8





#52

Ethylbenzene

Concen: 4.717 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

Instrument :

MSVOA_R

ClientSampleId :

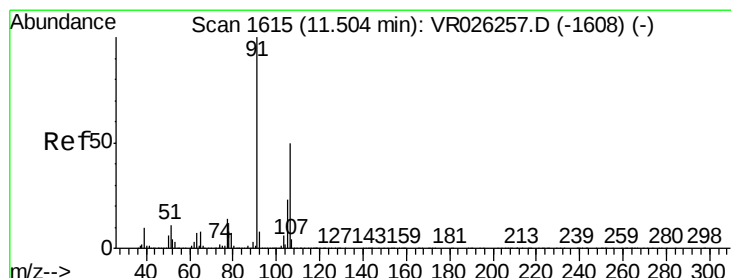
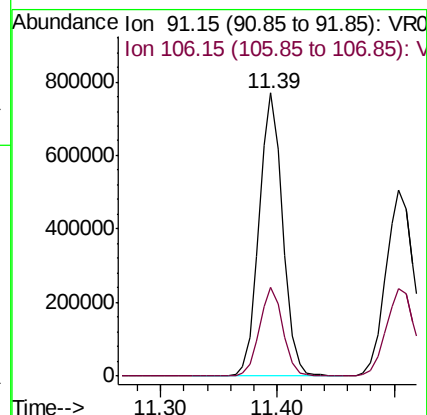
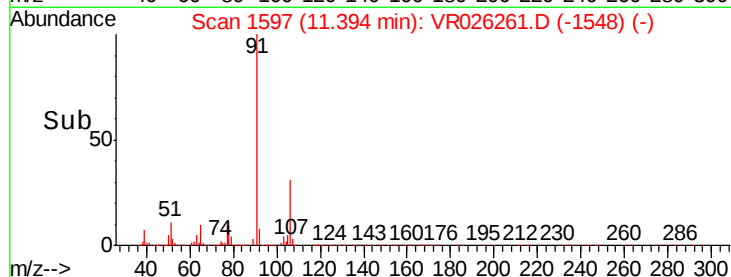
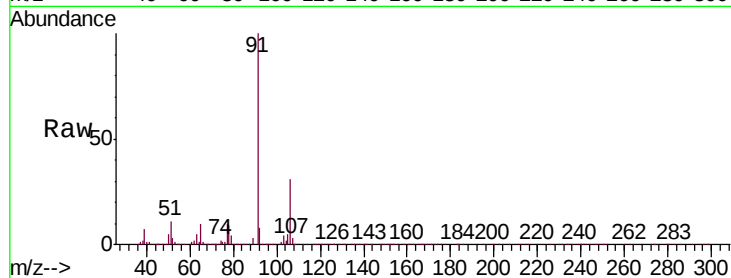
VSTD00597

Tgt Ion: 91 Resp: 1082237

Ion Ratio Lower Upper

91 100

106 31.4 22.0 41.0



#53

m,p-Xylene

Concen: 4.823 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026261.D

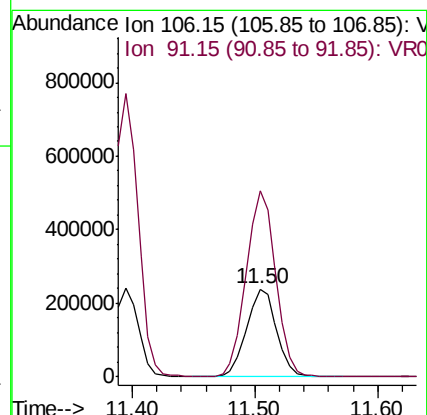
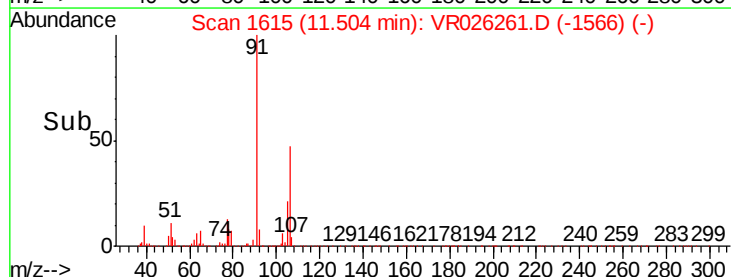
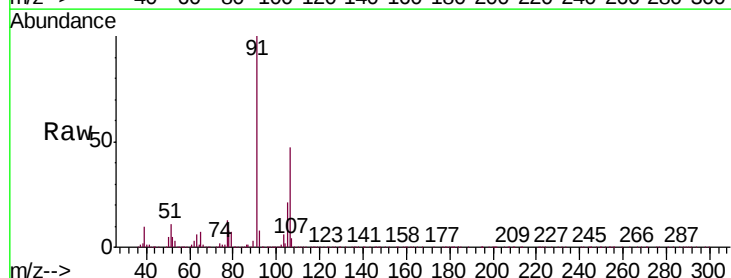
Acq: 21 Nov 2018 15:07

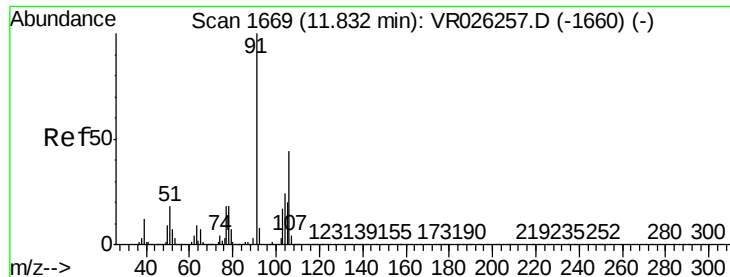
Tgt Ion: 106 Resp: 402714

Ion Ratio Lower Upper

106 100

91 212.0 141.2 262.2

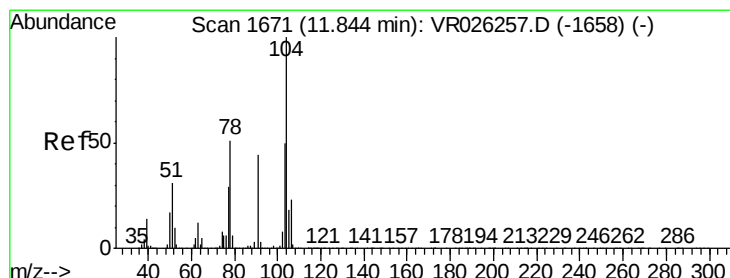
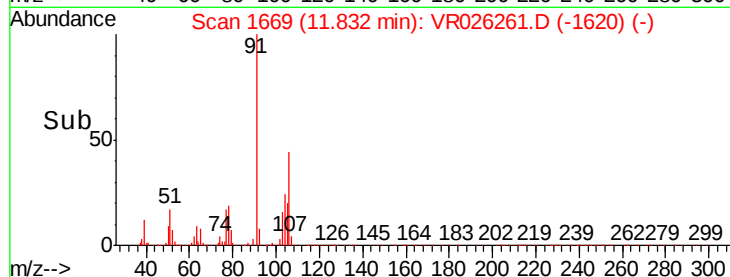
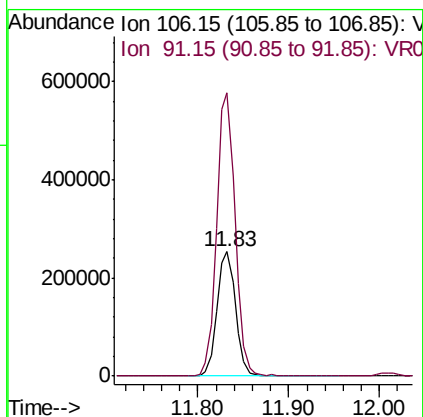
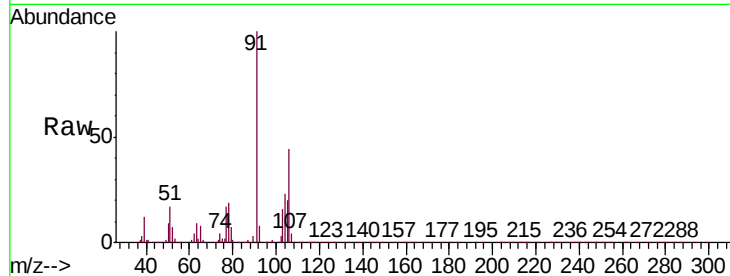




#54
o-Xylene
Concen: 4.810 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR026261.D
Acq: 21 Nov 2018 15:07

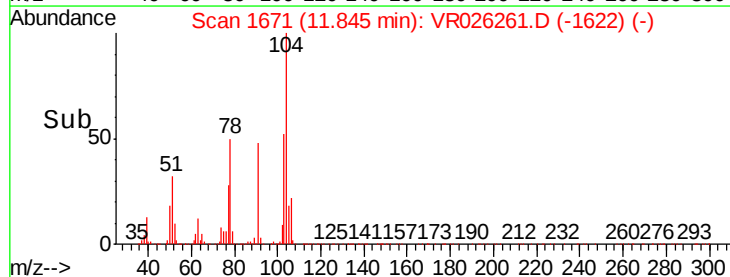
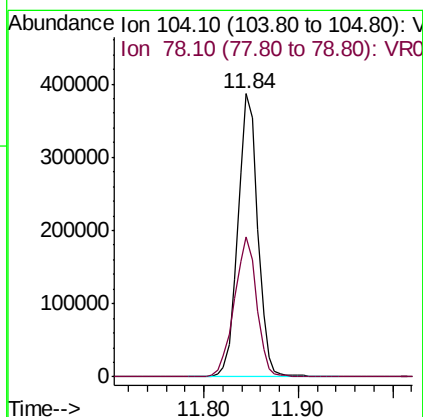
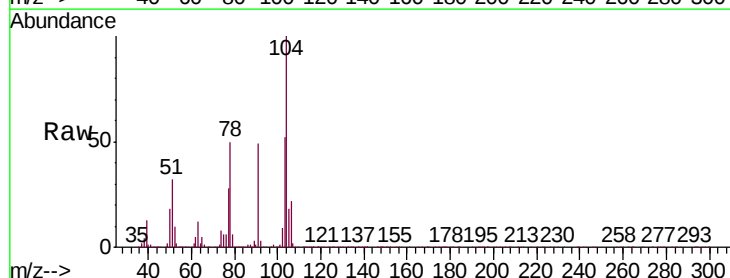
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

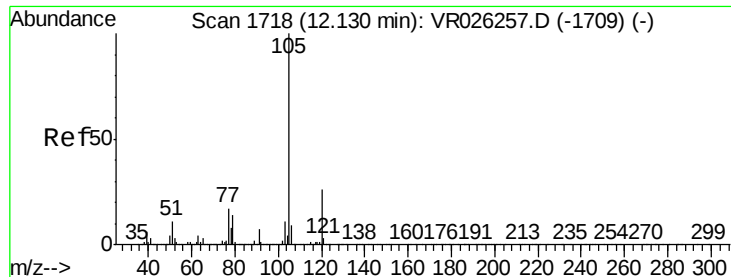
Tgt Ion:106 Resp: 363929
Ion Ratio Lower Upper
106 100
91 227.1 159.6 296.4



#55
Styrene
Concen: 4.702 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026261.D
Acq: 21 Nov 2018 15:07

Tgt Ion:104 Resp: 566603
Ion Ratio Lower Upper
104 100
78 49.7 35.4 65.8





#56

Isopropylbenzene

Concen: 4.914 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

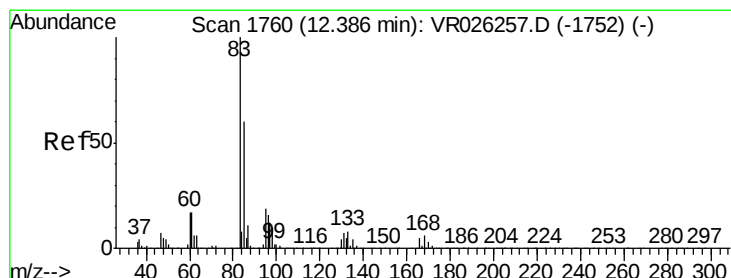
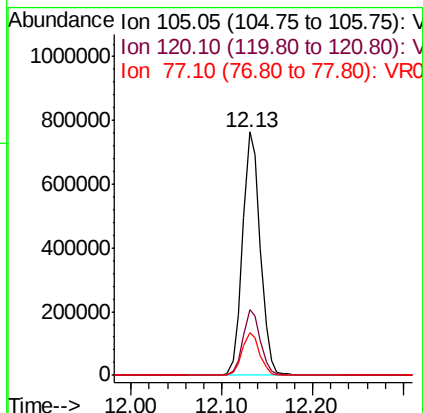
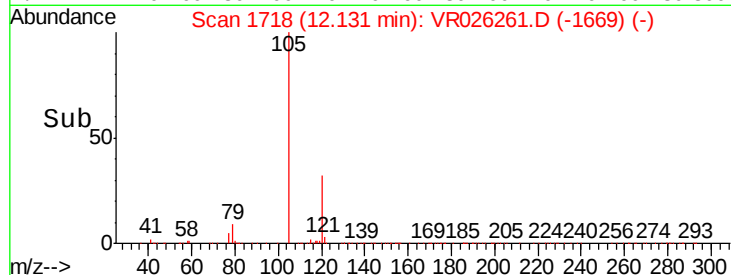
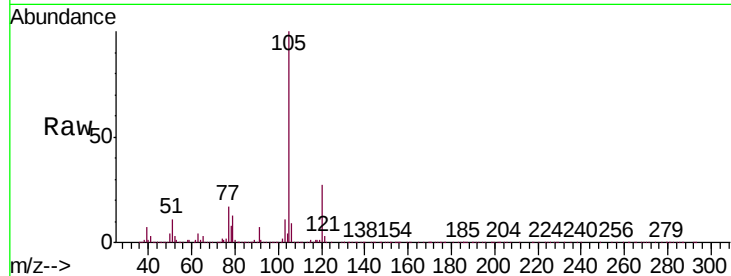
Tgt Ion:105 Resp: 1032753

Ion Ratio Lower Upper

105 100

120 26.6 20.3 30.5

77 17.3 13.8 20.8



#58

1,1,2,2-Tetrachloroethane

Concen: 4.461 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

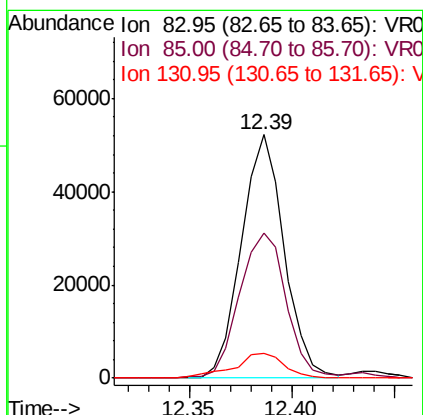
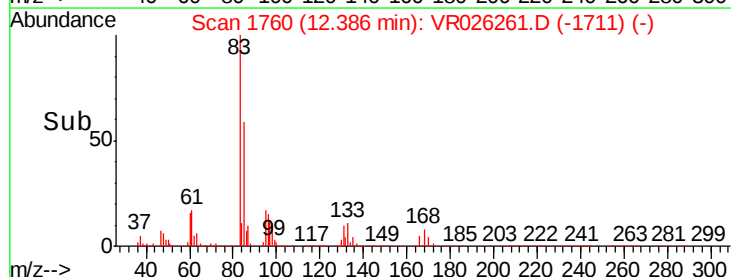
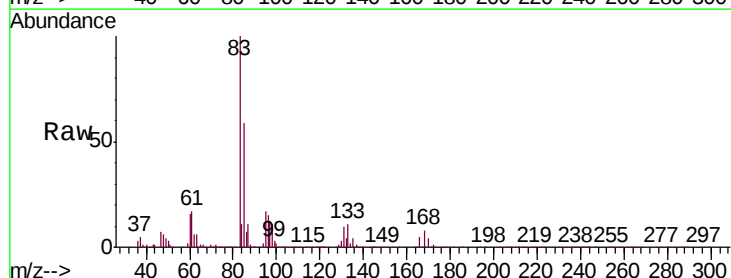
Tgt Ion: 83 Resp: 75848

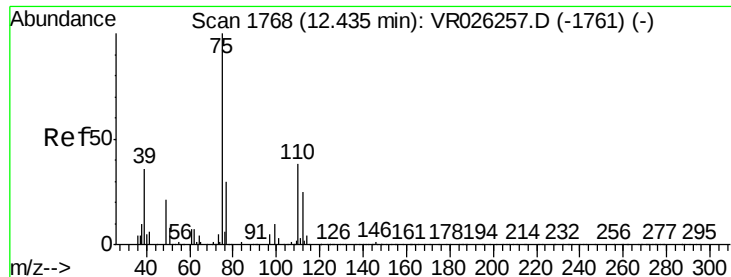
Ion Ratio Lower Upper

83 100

85 59.4 42.3 78.5

131 10.4 5.4 8.2#

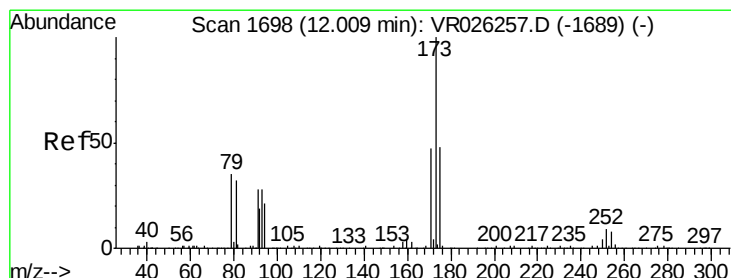
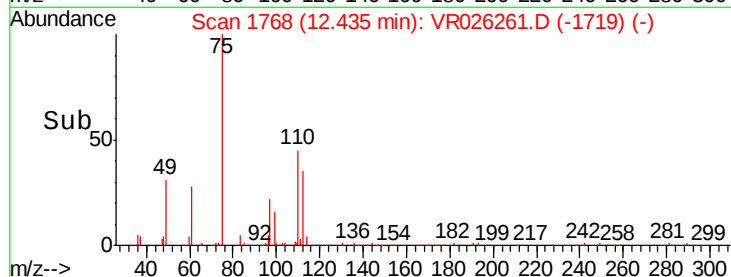
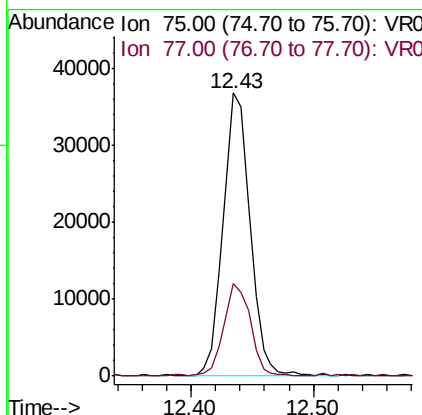
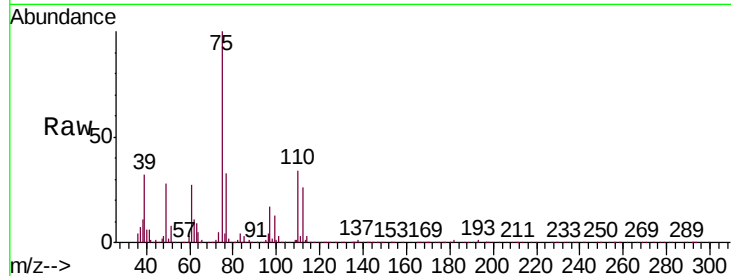




#59
 1,2,3-Trichloropropane
 Concen: 4.476 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: VR026261.D
 Acq: 21 Nov 2018 15:07

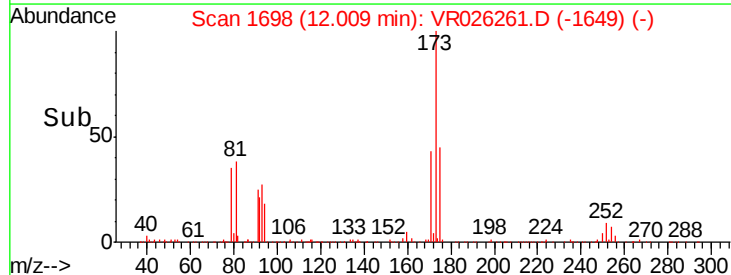
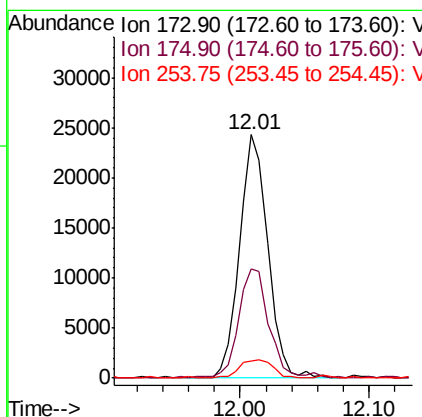
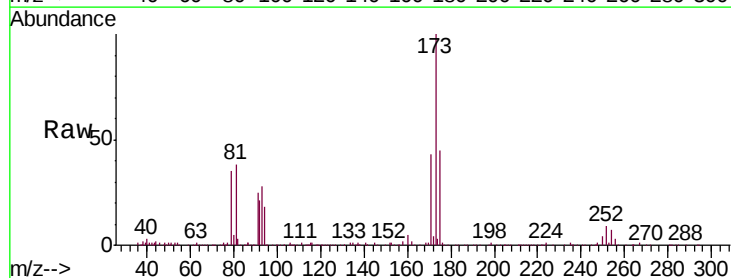
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

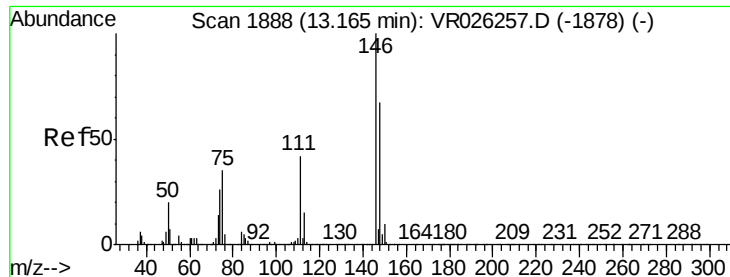
Tgt Ion: 75 Resp: 55663
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.1 37.7



#61
 Bromoform
 Concen: 4.526 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VR026261.D
 Acq: 21 Nov 2018 15:07

Tgt Ion: 173 Resp: 36899
 Ion Ratio Lower Upper
 173 100
 175 47.0 37.8 56.6
 254 9.0 7.6 11.4

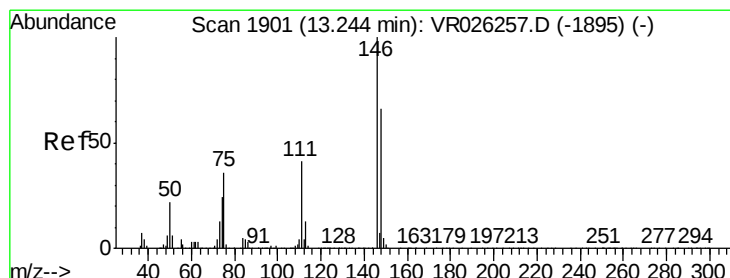
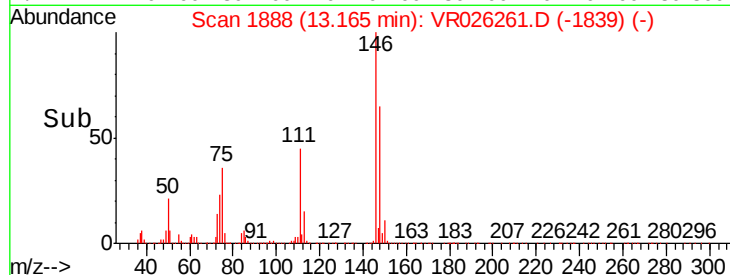
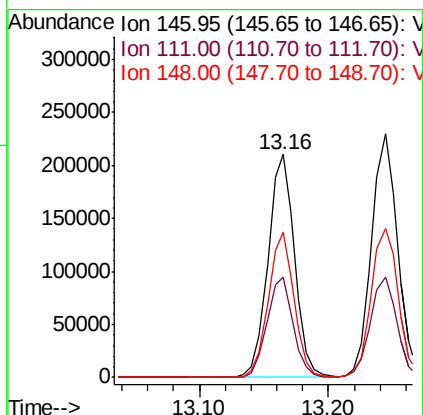
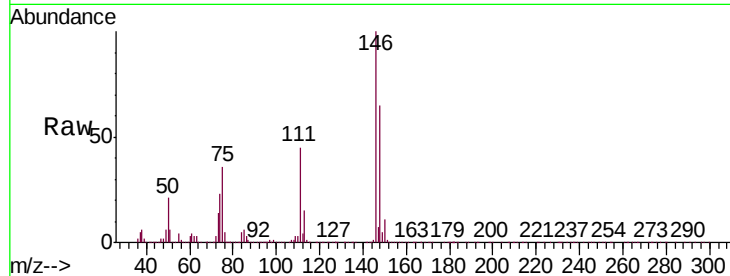




#62
 1,3-Dichlorobenzene
 Concen: 4.563 ug/L
 RT: 13.16 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VR026261.D
 Acq: 21 Nov 2018 15:07

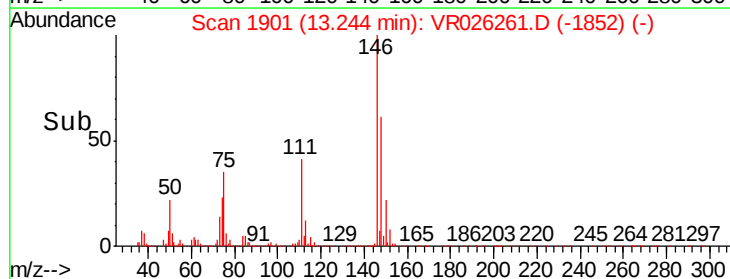
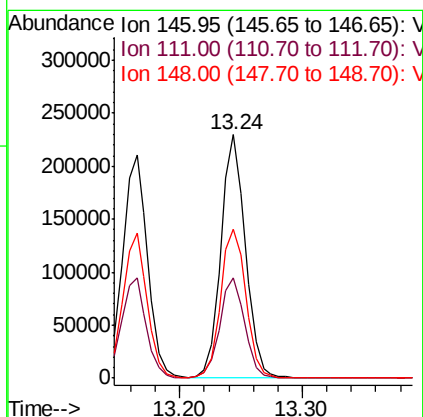
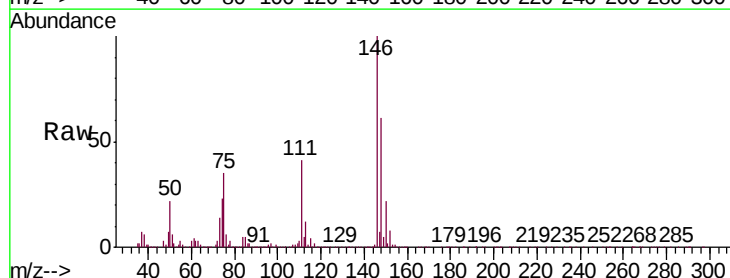
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

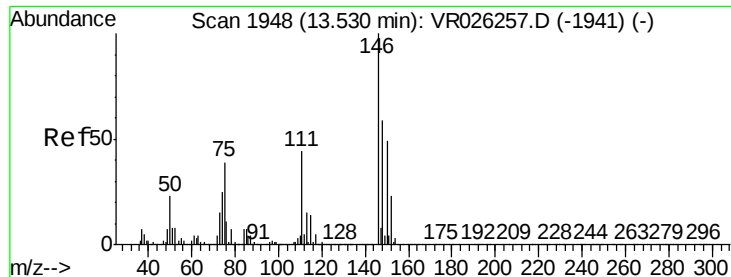
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	29.4	54.6
148	65.1	46.5	86.5



#63
 1,4-Dichlorobenzene
 Concen: 4.363 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VR026261.D
 Acq: 21 Nov 2018 15:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	28.9	53.7
148	61.3	46.3	85.9

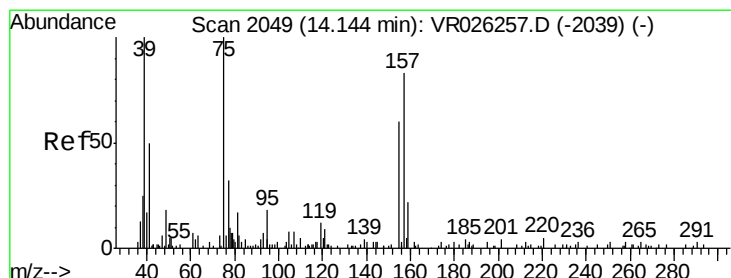
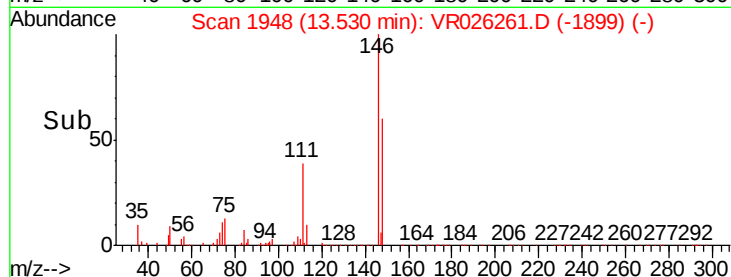
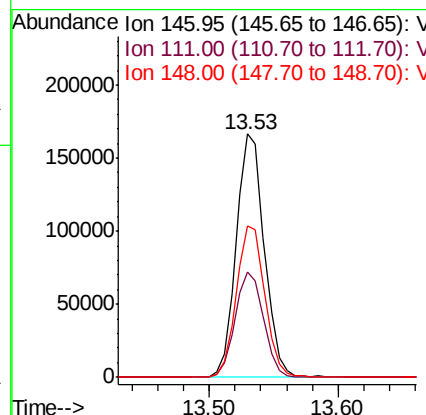
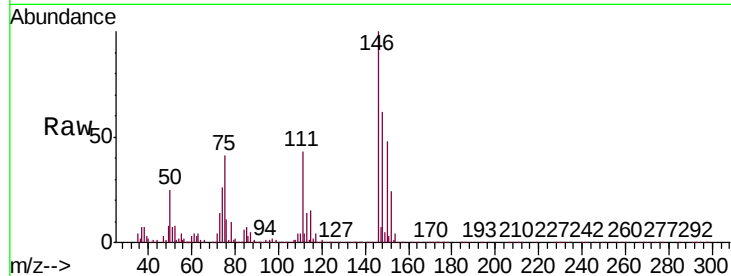




#65
1,2-Dichlorobenzene
Concen: 4.627 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VR026261.D
Acq: 21 Nov 2018 15:07

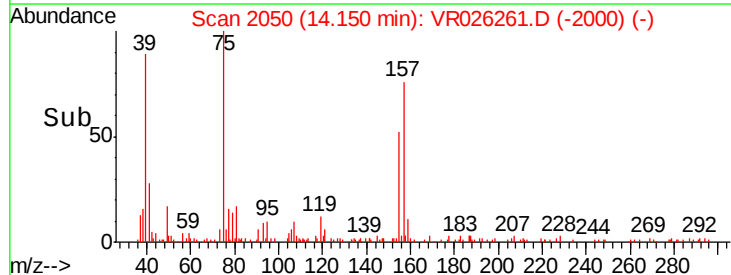
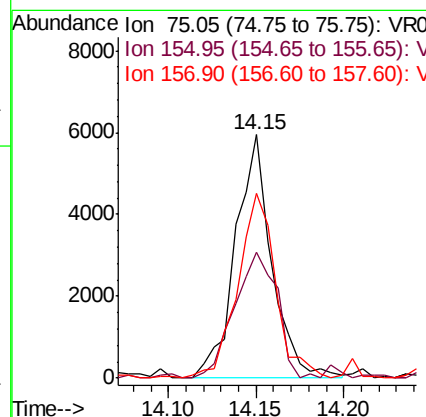
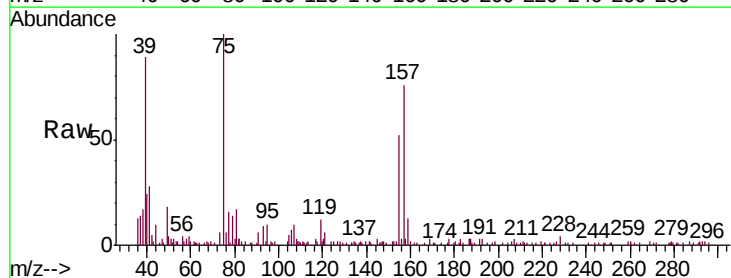
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

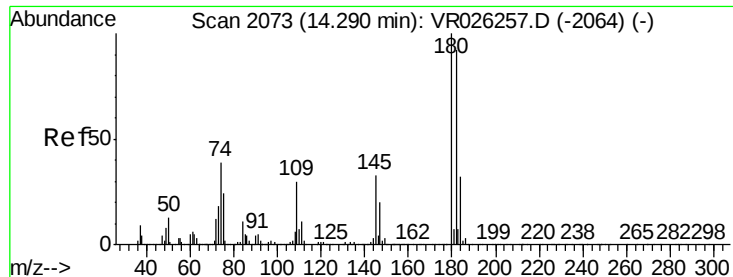
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	35.5	53.3
148	62.1	47.6	71.4



#66
1,2-Dibromo-3-chloropropane
Concen: 4.227 ug/L
RT: 14.15 min Scan# 2050
Delta R.T. 0.01 min
Lab File: VR026261.D
Acq: 21 Nov 2018 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	51.7	47.9	71.9
157	76.0	66.5	99.7

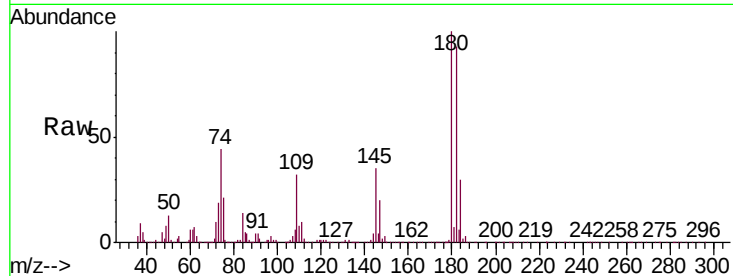




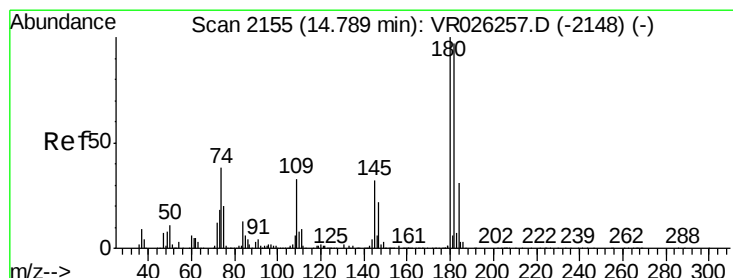
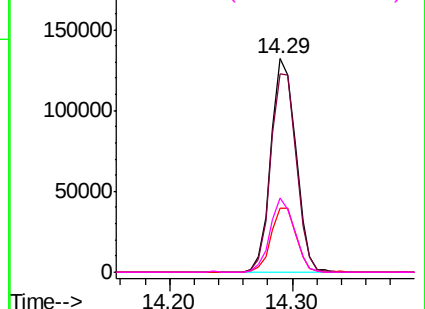
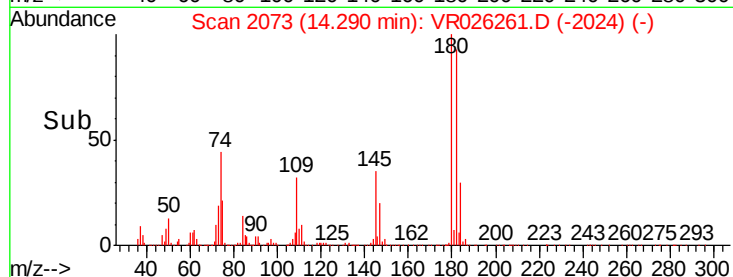
#67
 1,3,5-Trichlorobenzene
 Concen: 4.538 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026261.D
 Acq: 21 Nov 2018 15:07

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Tgt Ion:	180	Resp:	186858
Ion Ratio	Lower	Upper	
180	100		
182	96.0	74.0	111.0
184	30.5	25.4	38.0
145	34.6	26.6	39.8

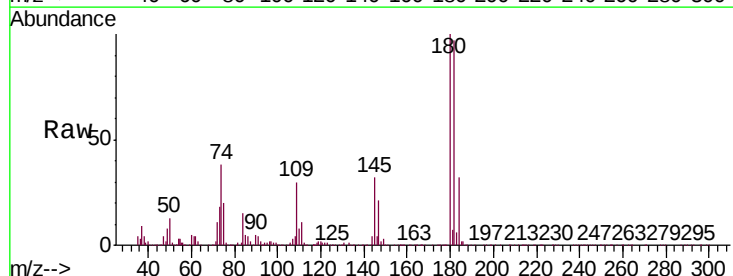


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

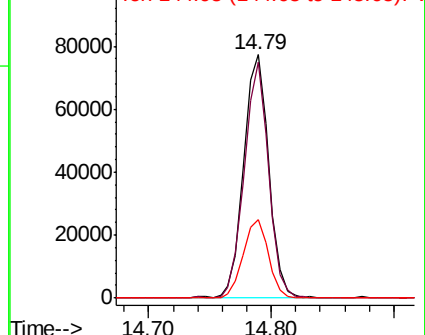
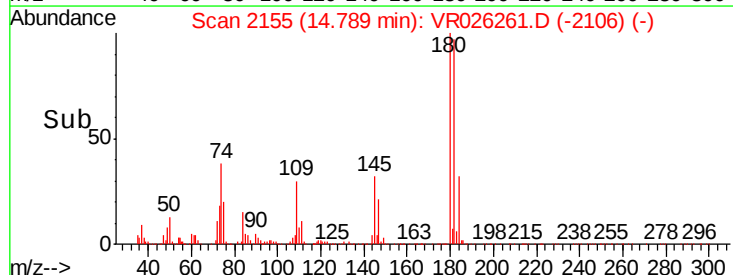


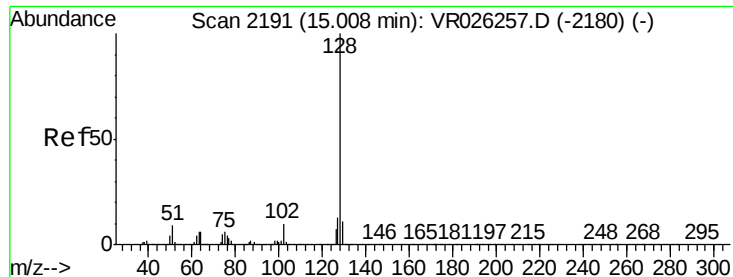
#68
 1,2,4-trichlorobenzene
 Concen: 4.809 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VR026261.D
 Acq: 21 Nov 2018 15:07

Tgt Ion:	180	Resp:	109932
Ion Ratio	Lower	Upper	
180	100		
182	92.4	74.9	112.3
145	32.7	26.0	39.0



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: 4.923 ug/L

RT: 15.01 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

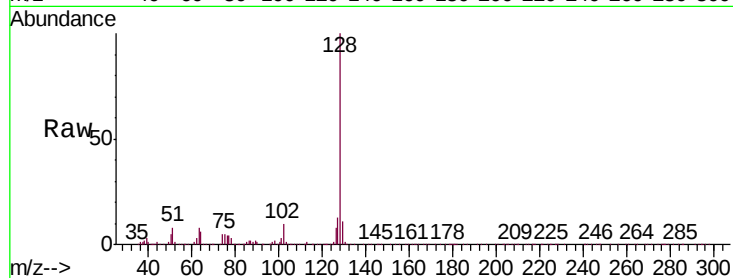
Tgt Ion:128 Resp: 109975

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

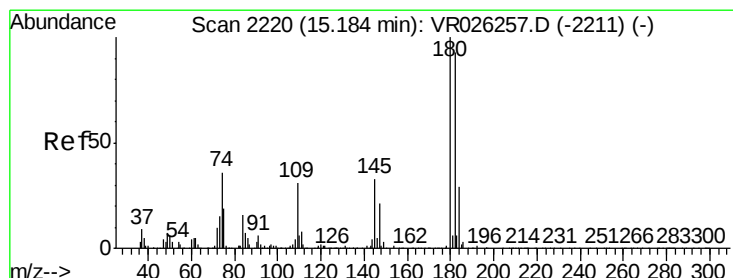
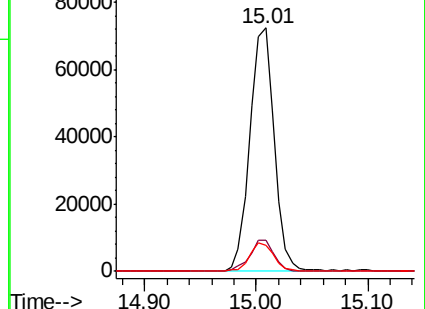
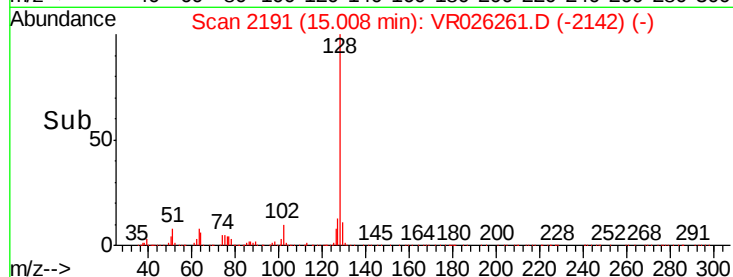
129 11.7 9.2 13.8



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: 4.677 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. 0.00 min

Lab File: VR026261.D

Acq: 21 Nov 2018 15:07

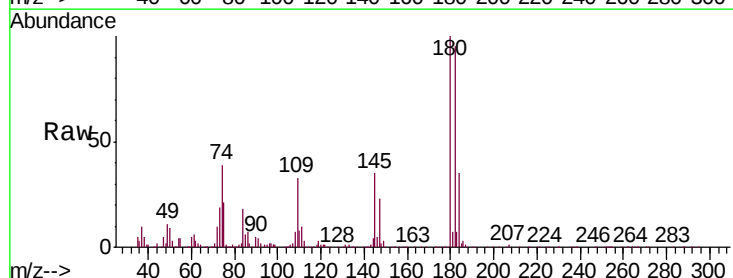
Tgt Ion:180 Resp: 79308

Ion Ratio Lower Upper

180 100

182 95.8 73.9 110.9

145 33.8 28.2 42.2



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

