

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101818\
 Data File : VR026126.D
 Acq On : 18 Oct 2018 10:23
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

Quant Time: Oct 19 04:39:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 02:46:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	605939	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	510217	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	192302	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	215503	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	2.62	69	207224	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	3.61	63	557702	4.28	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.60%
20) 2-Butanone-d5	6.58	46	188783	43.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.72%
24) Chloroform-d	7.20	84	366944	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	7.90	65	145541	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
32) Benzene-d6	7.85	84	675709	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	8.90	67	179764	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.00%
41) Toluene-d8	9.97	98	625146	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	10.24	79	43332	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	10.59	63	152843	47.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.34%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	77089	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	122393	4.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	185650	4.561	ug/L 97
3) Chloromethane	2.01	50	325369	5.034	ug/L 99
5) Vinyl chloride	2.16	62	333794	5.184	ug/L 96
6) Bromomethane	2.52	94	219437	5.160	ug/L 95
8) Chloroethane	2.66	64	209474	5.250	ug/L 98
9) Trichlorofluoromethane	2.94	101	234714	2.525	ug/L # 43
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	291117	5.253	ug/L 98
12) 1,1-Dichloroethene	3.63	96	305300	5.181	ug/L 81
13) Acetone	3.70	43	207611	46.128	ug/L 99
14) Carbon disulfide	3.93	76	872993	5.667	ug/L 99
15) Methyl Acetate	4.19	43	51286	4.362	ug/L 96
16) Methylene chloride	4.41	84	246217	4.608	ug/L 96
17) Methyl tert-butyl Ether	4.89	73	231026	4.319	ug/L 97
18) trans-1,2-Dichloroethene	4.88	96	212515	4.769	ug/L 98
19) 1,1-Dichloroethane	5.69	63	386166	4.616	ug/L 99
21) 2-Butanone	6.69	43	224927	43.320	ug/L 98
22) cis-1,2-Dichloroethene	6.67	96	198699	4.714	ug/L # 99

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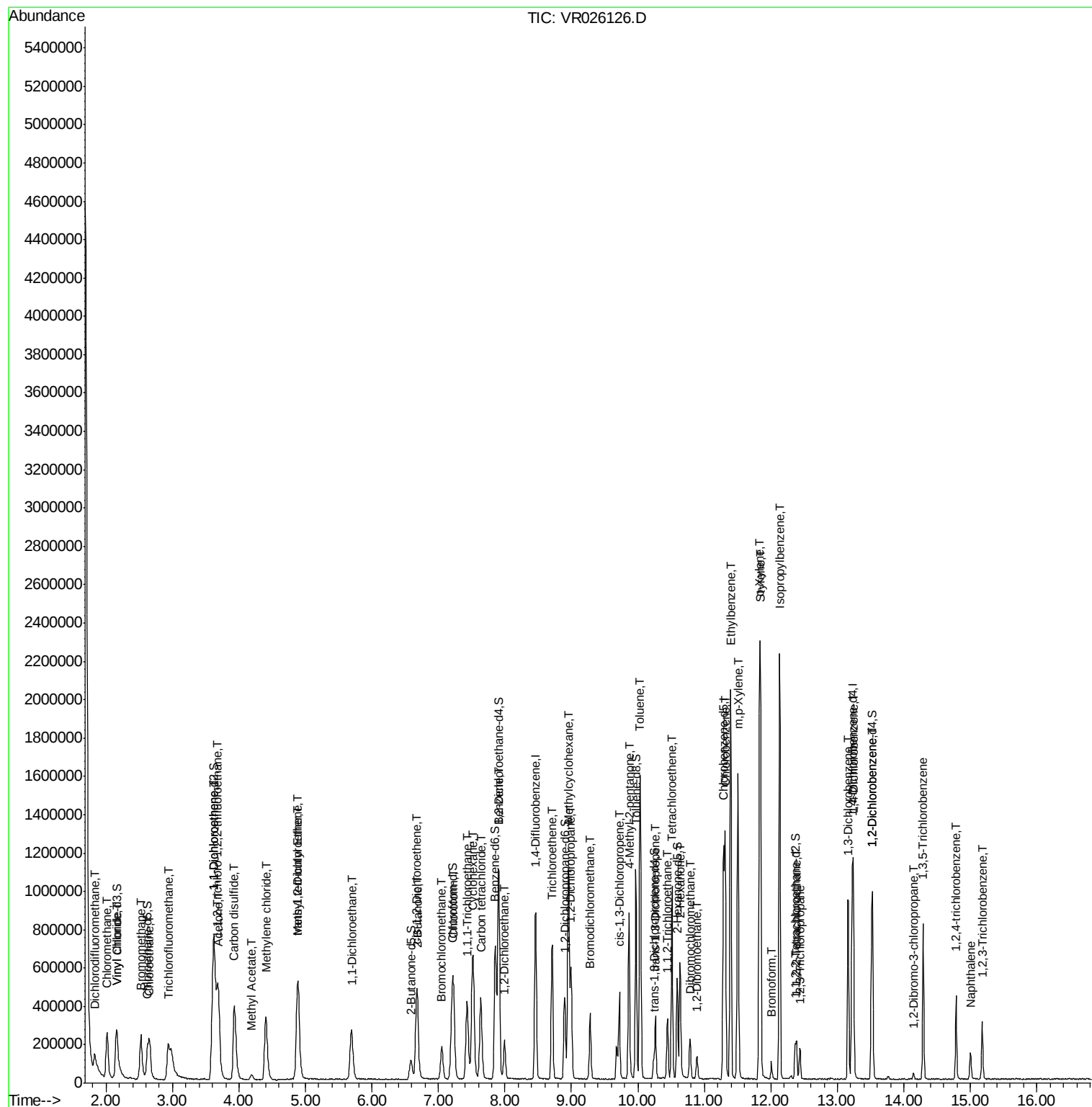
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	53240	4.503	ug/L	95
25) Chloroform	7.23	83	389114	4.766	ug/L	99
27) 1,2-Dichloroethane	7.99	62	175495	4.391	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	351465	5.041	ug/L	99
30) Cyclohexane	7.52	56	380356	5.435	ug/L	99
31) Carbon tetrachloride	7.63	117	313118	4.939	ug/L	98
33) Benzene	7.91	78	937743	4.898	ug/L	100
34) Trichloroethene	8.71	95	238156	4.860	ug/L	98
35) Methylcyclohexane	8.95	83	388828	5.330	ug/L	97
37) 1,2-Dichloropropane	9.00	63	188907	4.677	ug/L	100
38) Bromodichloromethane	9.28	83	208309	4.796	ug/L #	95
39) cis-1,3-Dichloropropene	9.72	75	223919	4.844	ug/L	96
40) 4-Methyl-2-pentanone	9.87	43	540339	43.804	ug/L	99
42) Toluene	10.04	91	1012837	5.013	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	147923	4.580	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	79327	4.656	ug/L	95
47) Tetrachloroethene	10.51	164	168272	4.809	ug/L	99
48) 2-Hexanone	10.63	43	371242	46.080	ug/L	99
49) Dibromochloromethane	10.79	129	90020	4.695	ug/L	99
50) 1,2-Dibromoethane	10.89	107	64423	4.377	ug/L #	90
51) Chlorobenzene	11.32	112	525132	4.695	ug/L	96
52) Ethylbenzene	11.39	91	1206847	5.194	ug/L	99
53) m,p-Xylene	11.50	106	440405	5.202	ug/L	97
54) o-Xylene	11.83	106	394538	5.083	ug/L	100
55) Styrene	11.84	104	612723	5.129	ug/L	100
56) Isopropylbenzene	12.13	105	1170495	5.430	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	75279	4.347	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	57073	4.489	ug/L	99
61) Bromoform	12.01	173	31962	4.782	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	302485	4.735	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	306197	4.628	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	241890	4.718	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.15	75	7207	3.450	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.29	180	180195	4.629	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	99048	4.359	ug/L	98
69) Naphthalene	15.00	128	91399	4.143	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	69599	4.411	ug/L	96

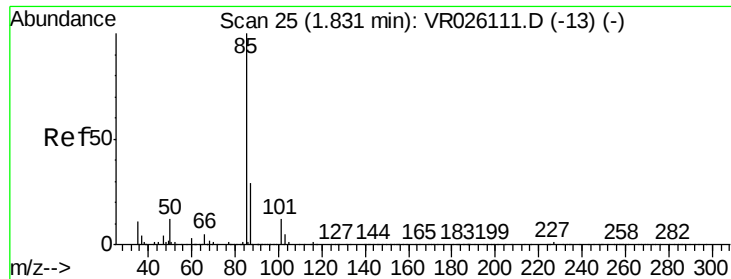
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#2

Dichlorodifluoromethane

Concen: 4.561 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.00 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

Instrument :

MSVOA_R

ClientSampleId :

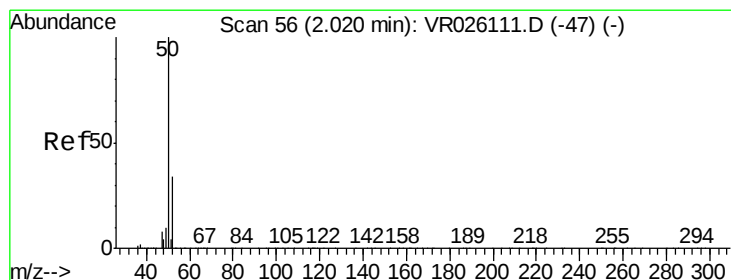
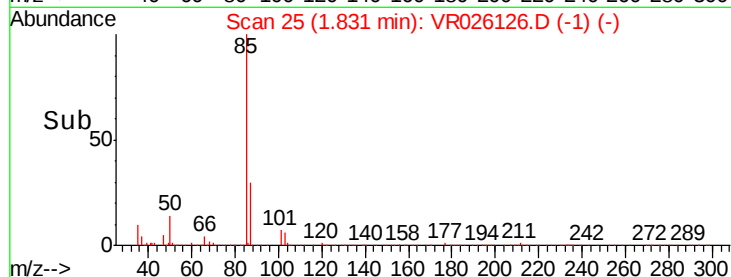
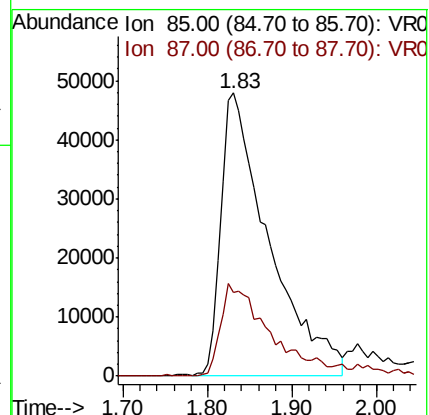
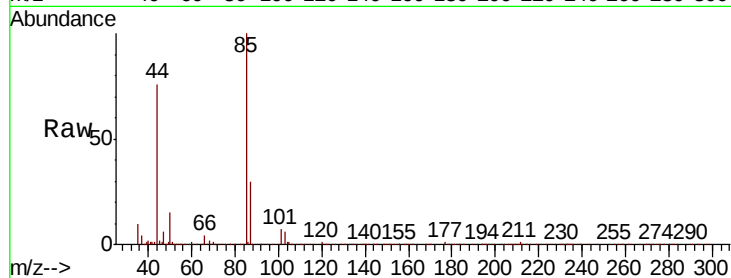
VSTD00594

Tgt Ion: 85 Resp: 185650

Ion Ratio Lower Upper

85 100

87 30.9 23.4 35.2



#3

Chloromethane

Concen: 5.034 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.01 min

Lab File: VR026126.D

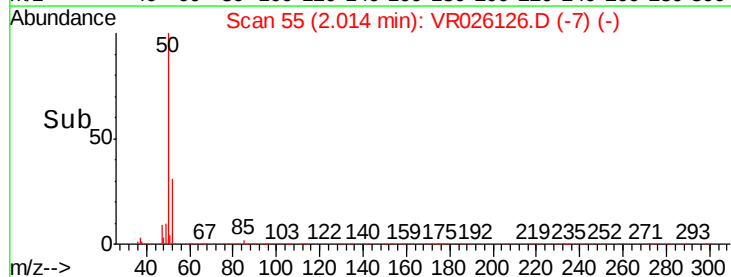
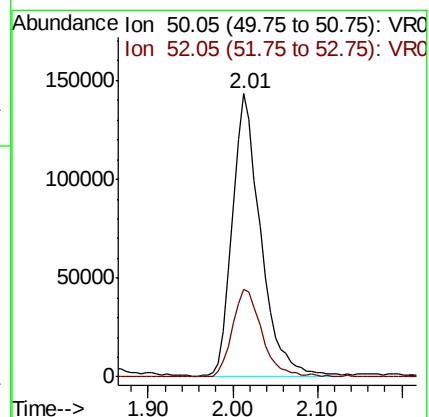
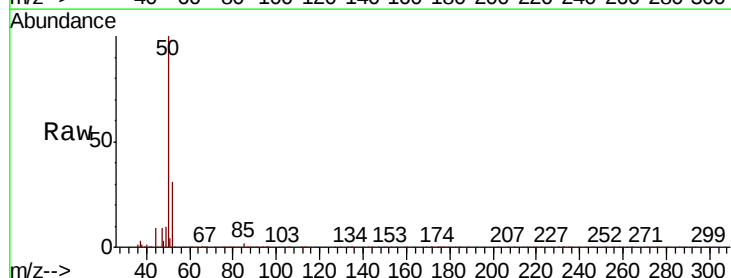
Acq: 18 Oct 2018 10:23

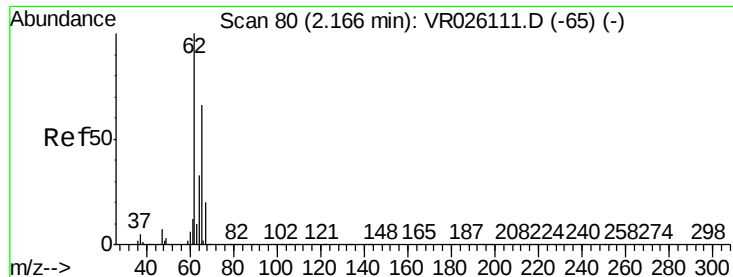
Tgt Ion: 50 Resp: 325369

Ion Ratio Lower Upper

50 100

52 31.0 22.0 40.8





#5

Vinyl chloride

Concen: 5.184 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

Instrument :

MSVOA_R

ClientSampled :

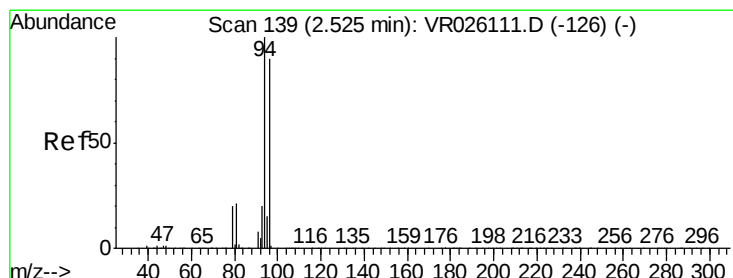
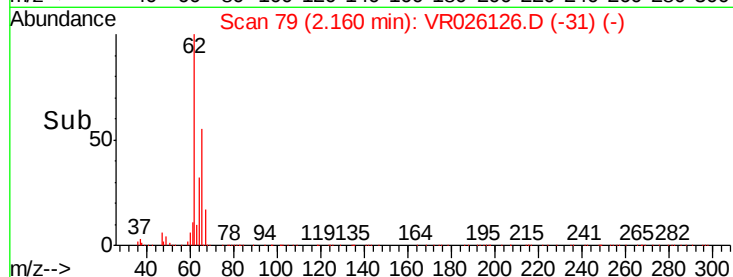
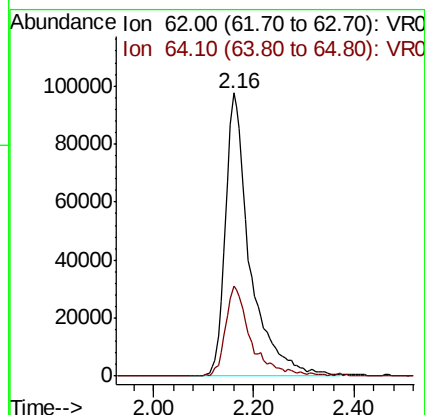
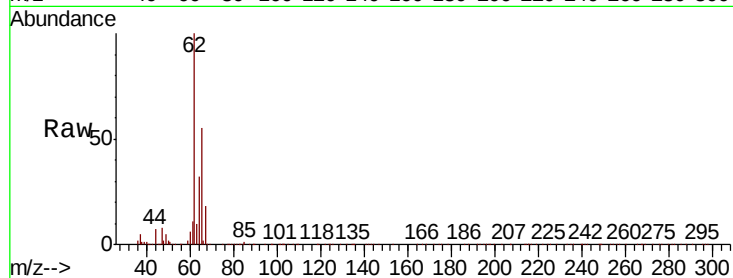
VSTD00594

Tgt Ion: 62 Resp: 333794

Ion Ratio Lower Upper

62 100

64 31.8 23.9 44.3



#6

Bromomethane

Concen: 5.160 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR026126.D

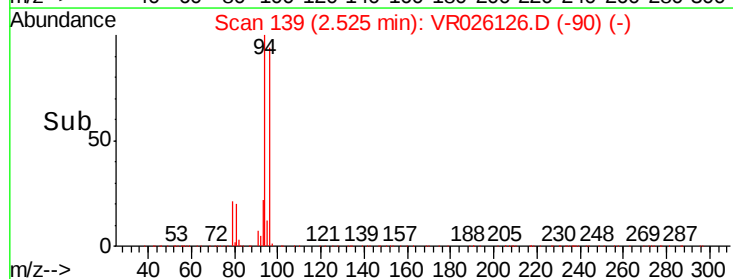
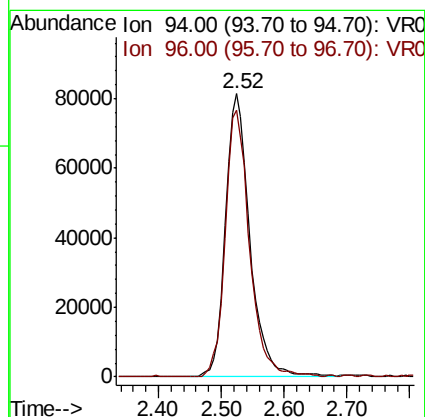
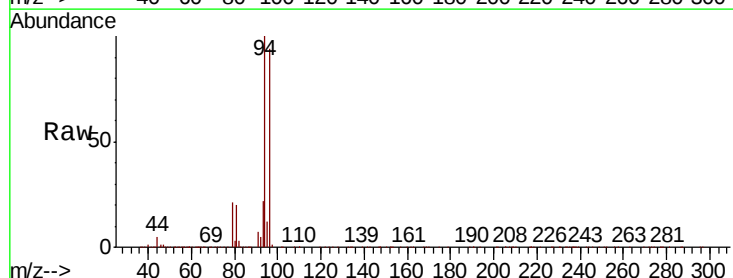
Acq: 18 Oct 2018 10:23

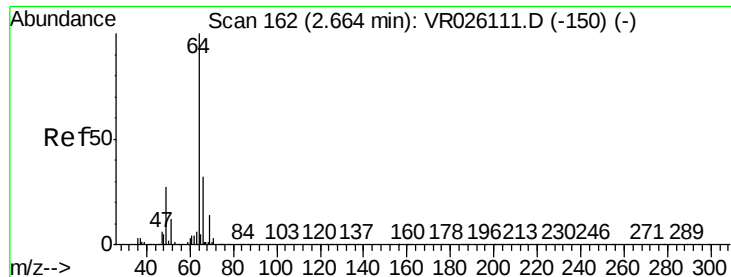
Tgt Ion: 94 Resp: 219437

Ion Ratio Lower Upper

94 100

96 94.4 62.5 116.1

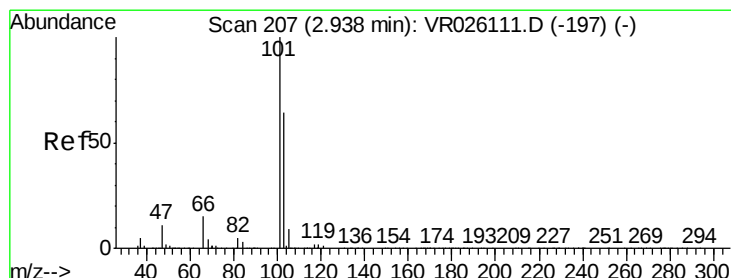
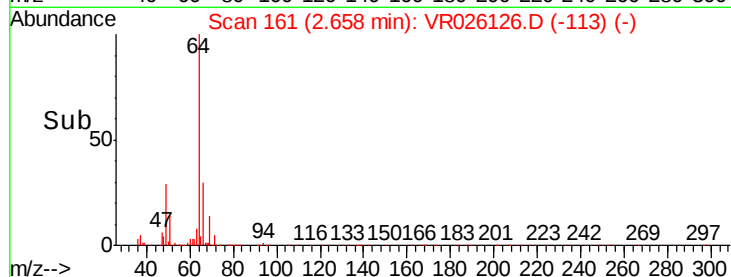
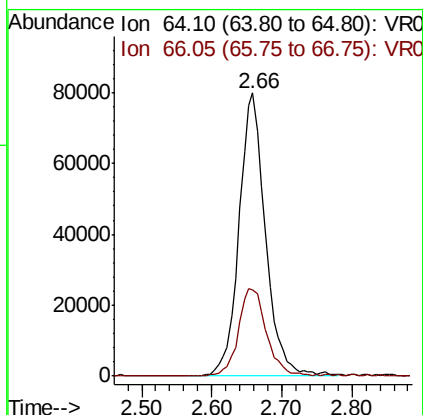
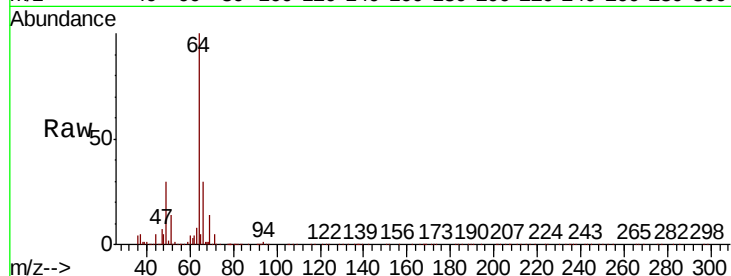




#8
Chloroethane
Concen: 5.250 ug/L
RT: 2.66 min Scan# 161
Delta R.T. -0.01 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

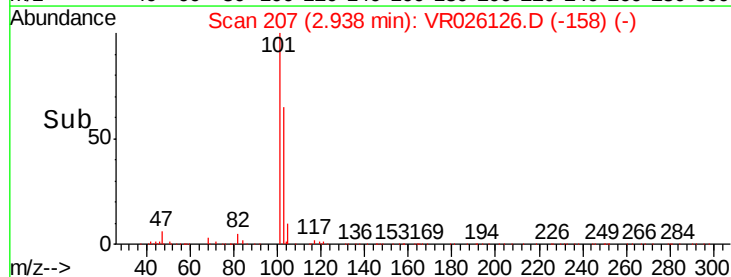
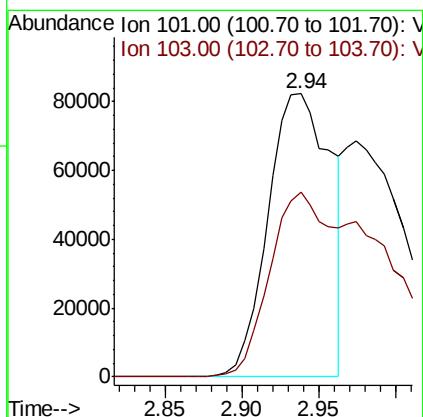
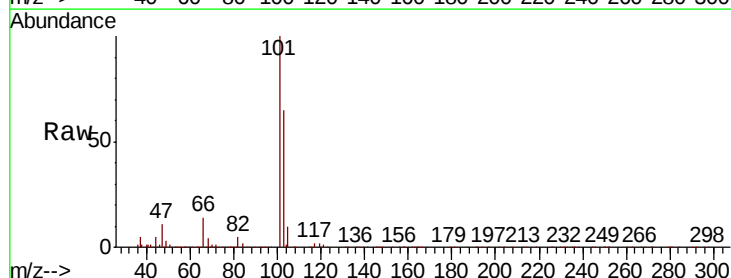
Instrument :
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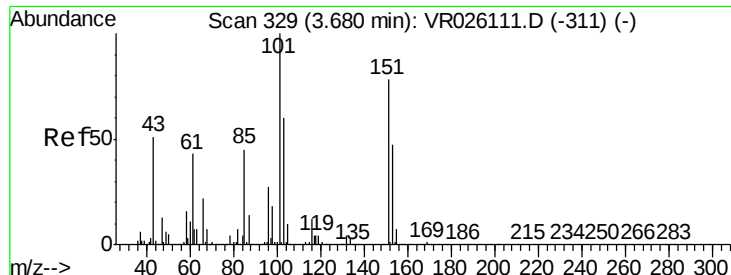
Tgt Ion: 64 Resp: 209474
Ion Ratio Lower Upper
64 100
66 30.3 22.0 40.8



#9
Trichlorofluoromethane
Concen: 2.525 ug/L
RT: 2.94 min Scan# 207
Delta R.T. 0.00 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

Tgt Ion: 101 Resp: 234714
Ion Ratio Lower Upper
101 100
103 64.3 26.0 39.0#





#10

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

Concen: 5.253 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.00 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

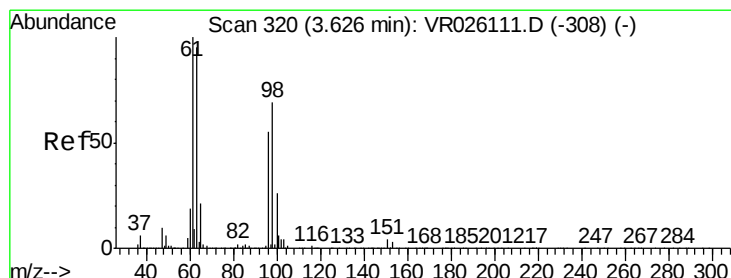
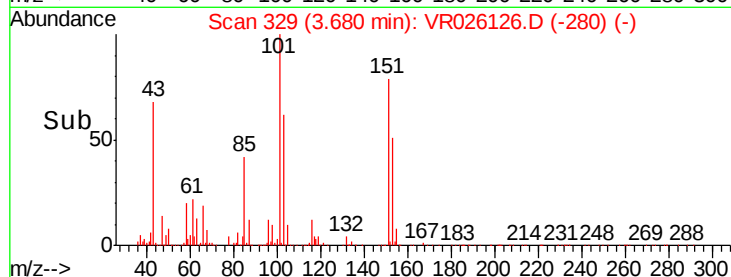
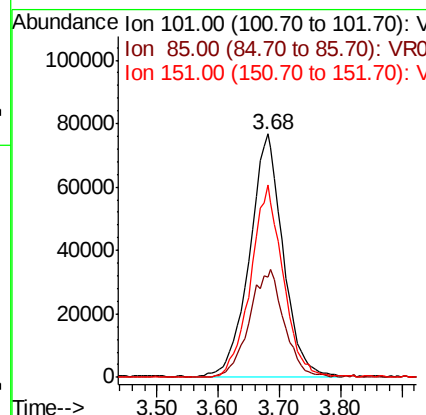
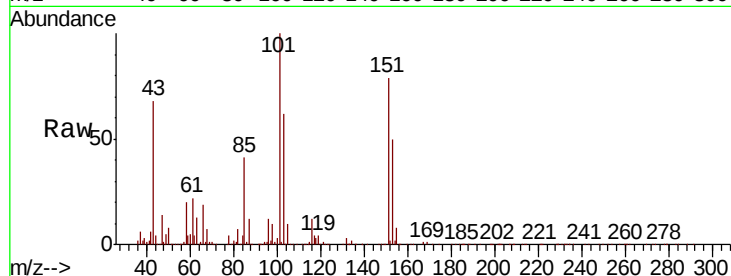
Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

Tgt Ion:	101	Resp:	291117
Ion	Ratio	Lower	Upper
101	100		
85	46.2	37.8	56.8
151	76.7	63.2	94.8



#12

1,1-Dichloroethene

Concen: 5.181 ug/L

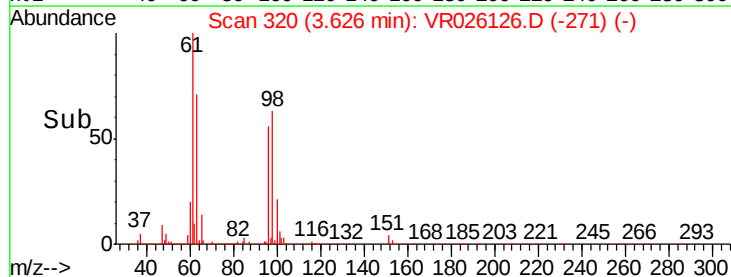
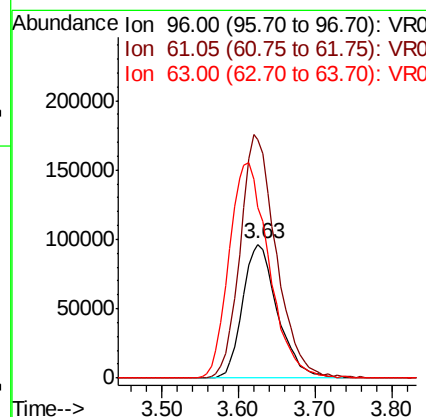
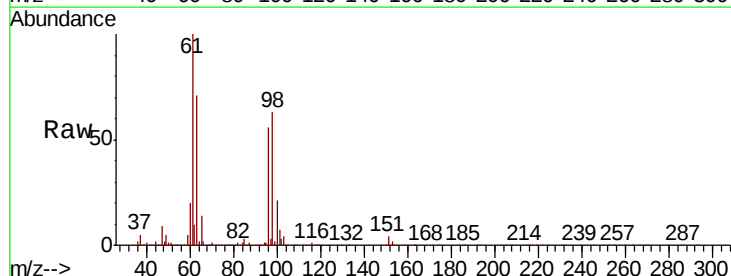
RT: 3.63 min Scan# 320

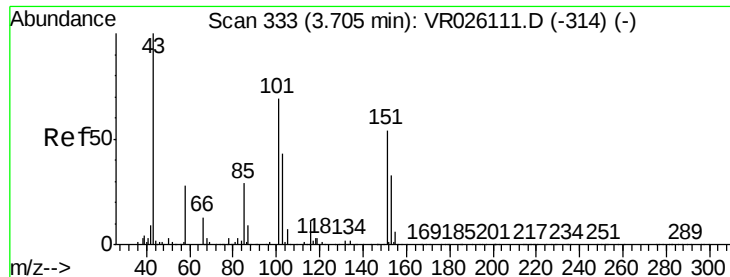
Delta R.T. -0.00 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

Tgt Ion:	96	Resp:	305300
Ion	Ratio	Lower	Upper
96	100		
61	178.4	126.7	235.3
63	127.3	125.0	232.2





#13

Acetone

Concen: 46.128 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.01 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

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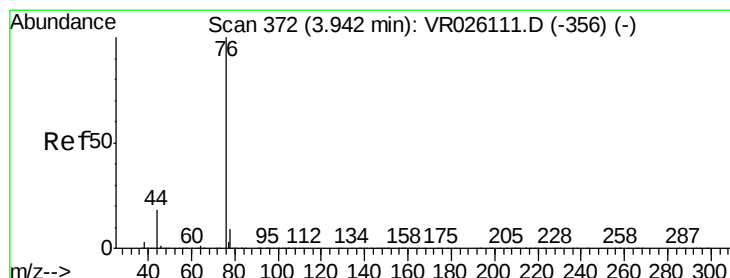
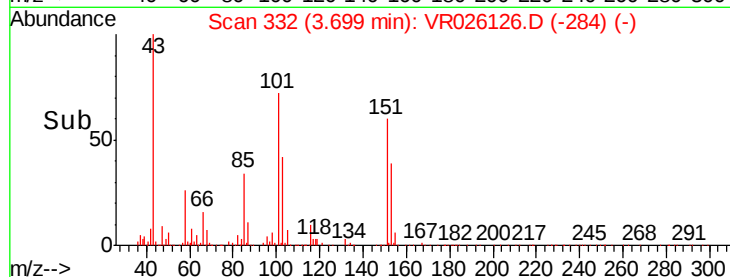
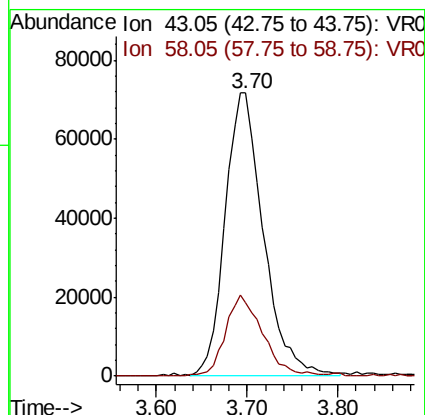
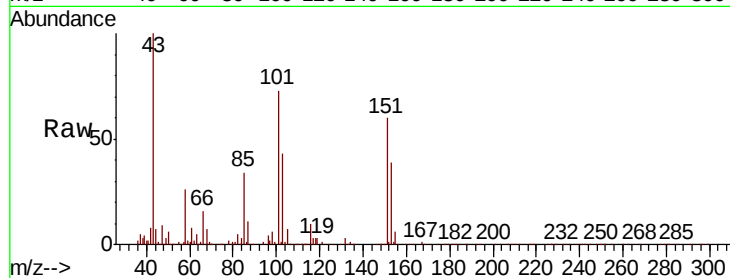
VSTD00594

Tgt Ion: 43 Resp: 207611

Ion Ratio Lower Upper

43 100

58 28.3 0.0 55.4



#14

Carbon disulfide

Concen: 5.667 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.01 min

Lab File: VR026126.D

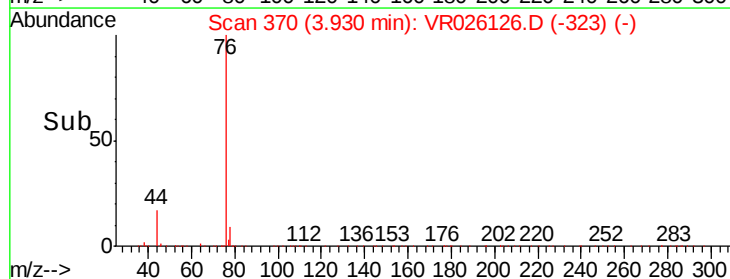
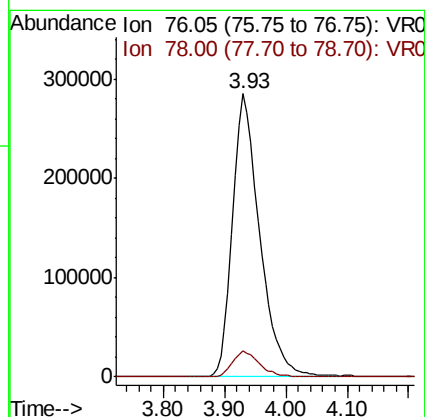
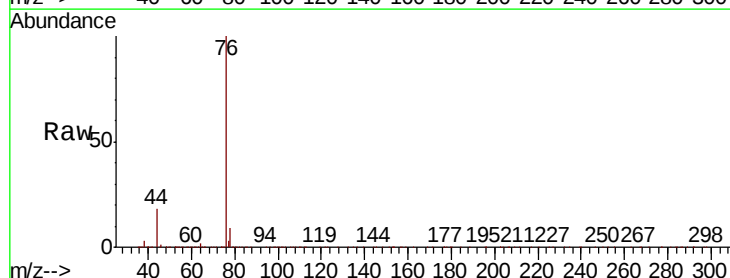
Acq: 18 Oct 2018 10:23

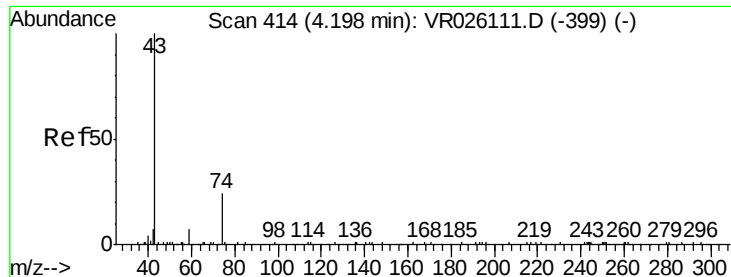
Tgt Ion: 76 Resp: 872993

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4





#15

Methyl Acetate

Concen: 4.362 ug/L

RT: 4.19 min Scan# 413

Delta R.T. -0.01 min

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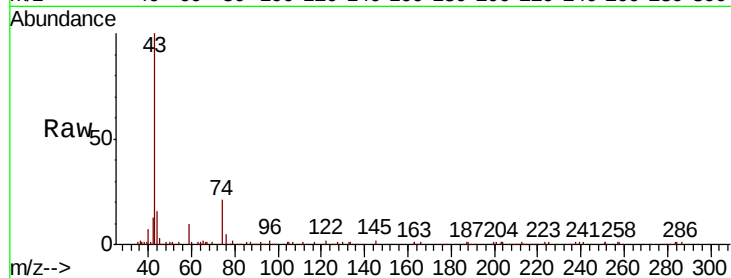
VSTD00594

Tgt Ion: 43 Resp: 51286

Ion Ratio Lower Upper

43 100

74 22.8 19.8 29.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0

4.19

15000

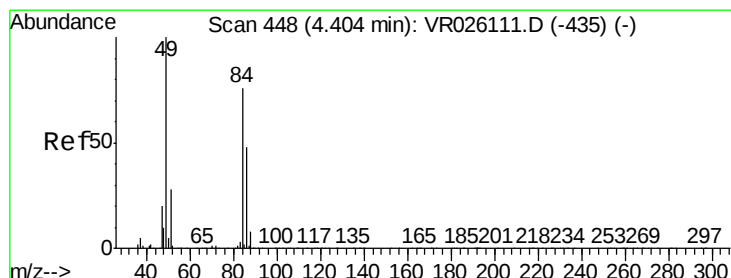
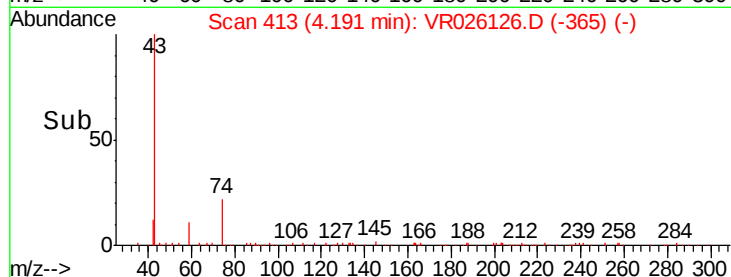
10000

5000

0

4.10 4.20 4.30

Time-->



#16

Methylene chloride

Concen: 4.608 ug/L

RT: 4.41 min Scan# 449

Delta R.T. 0.01 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

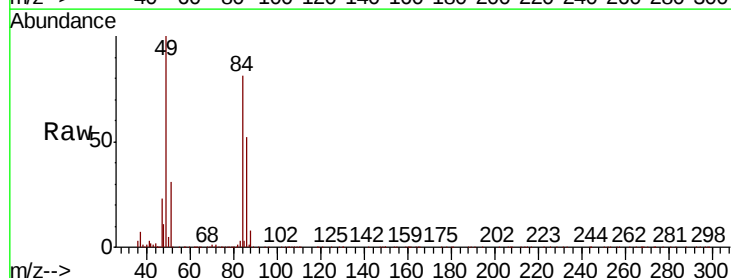
Tgt Ion: 84 Resp: 246217

Ion Ratio Lower Upper

84 100

86 64.6 43.0 79.8

49 123.6 89.1 165.5



Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

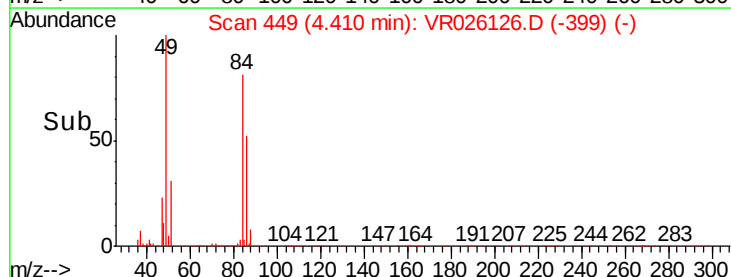
100000

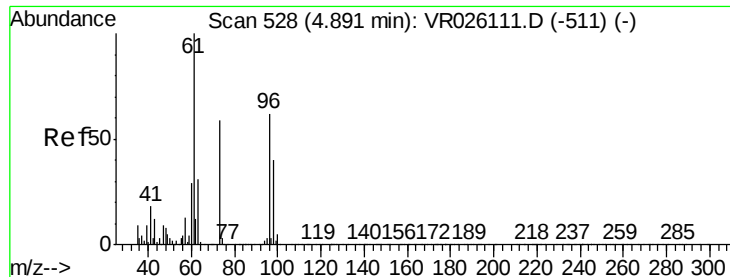
50000

0

4.30 4.40 4.50 4.60

Time-->

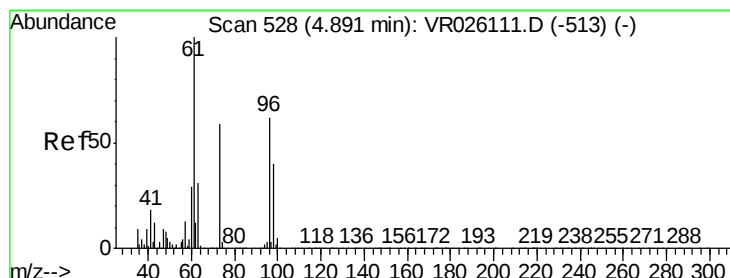
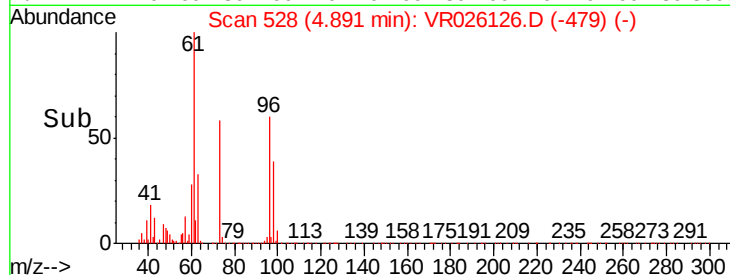
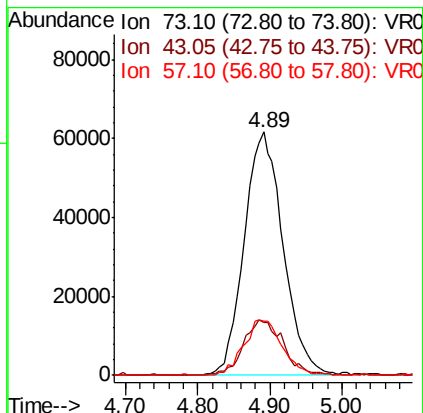
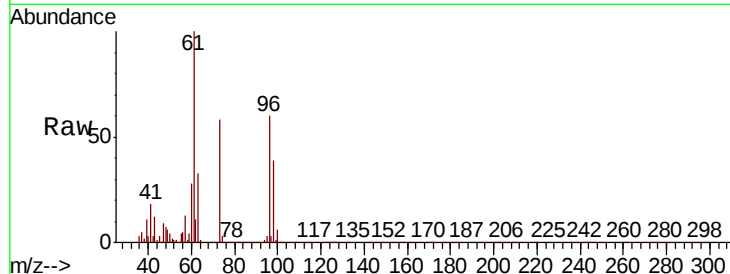




#17
Methyl tert-butyl Ether
Concen: 4.319 ug/L
RT: 4.89 min Scan# 528
Delta R.T. -0.00 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

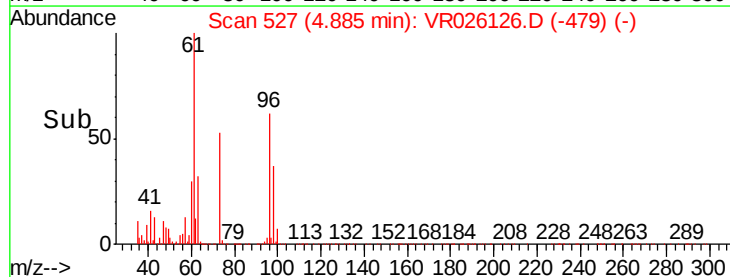
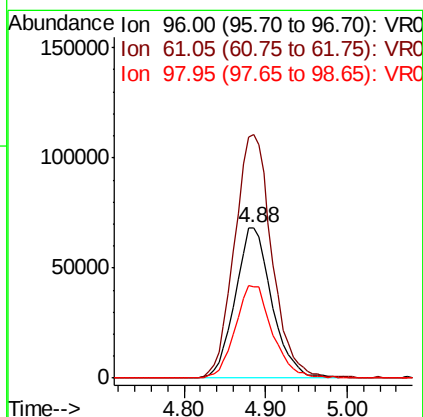
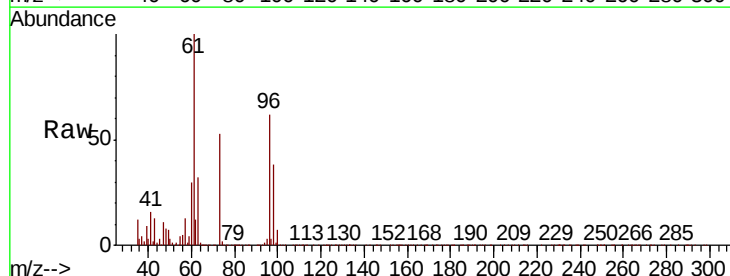
Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

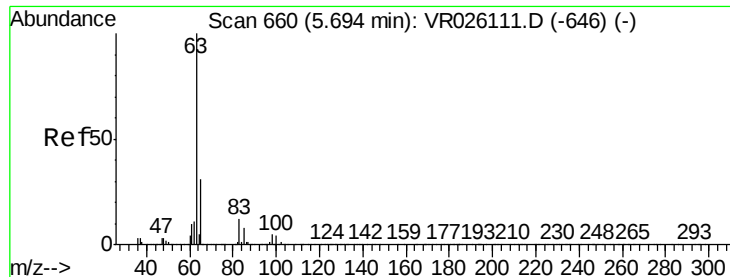
Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.1	20.1	30.1
57	22.5	19.0	28.4



#18
trans-1,2-Dichloroethene
Concen: 4.769 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.01 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.9	111.4	206.8
98	60.8	41.4	77.0





#19

1,1-Dichloroethane

Concen: 4.616 ug/L

RT: 5.69 min Scan# 659

Delta R.T. -0.01 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

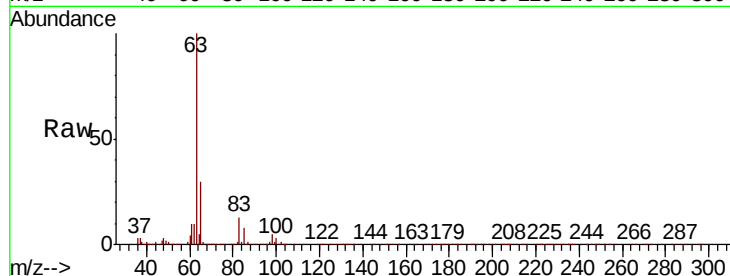
Tgt Ion: 63 Resp: 386166

Ion Ratio Lower Upper

63 100

65 29.7 21.2 39.4

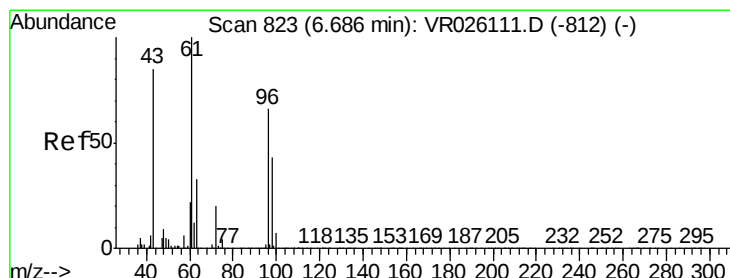
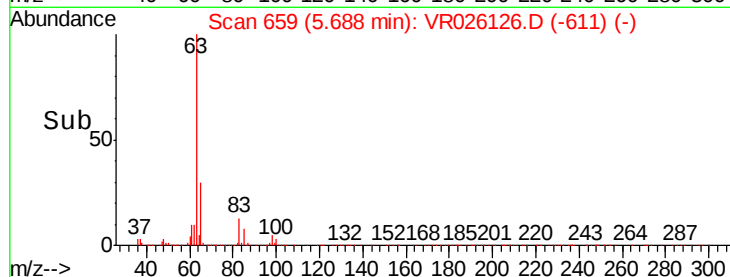
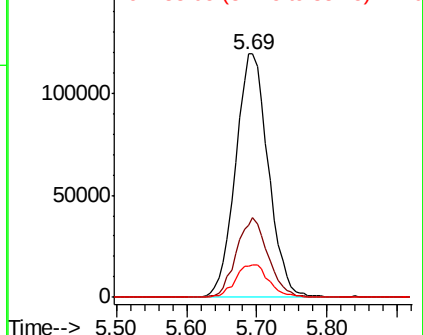
83 12.8 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 43.320 ug/L

RT: 6.69 min Scan# 823

Delta R.T. 0.00 min

Lab File: VR026126.D

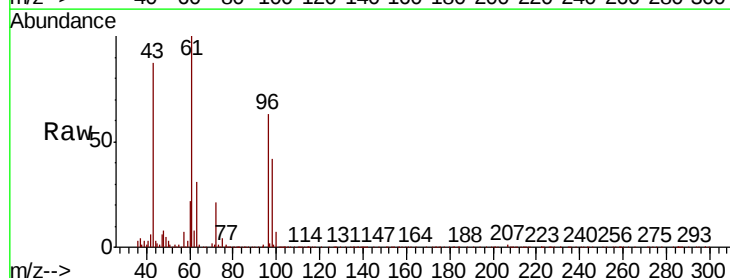
Acq: 18 Oct 2018 10:23

Tgt Ion: 43 Resp: 224927

Ion Ratio Lower Upper

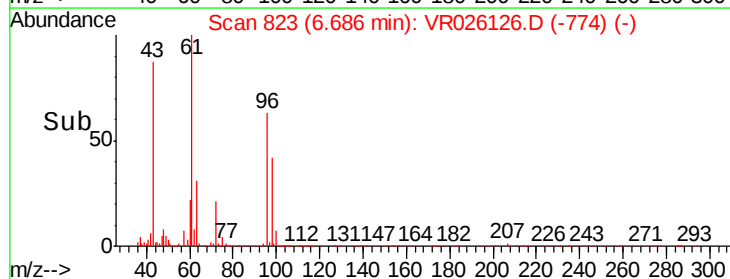
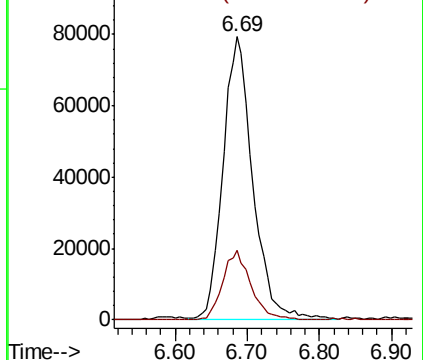
43 100

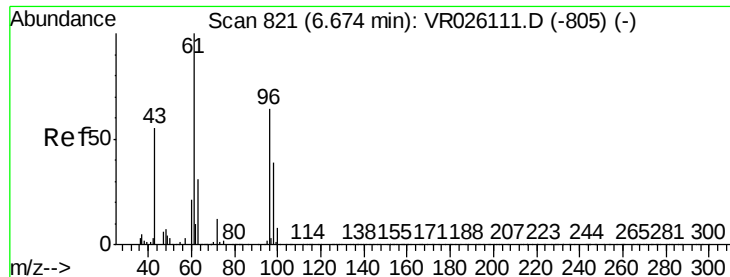
72 23.6 12.3 36.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



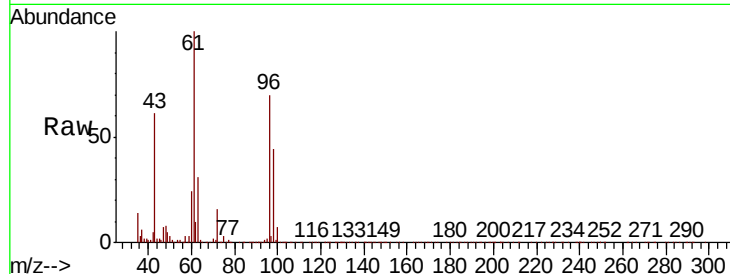


#22

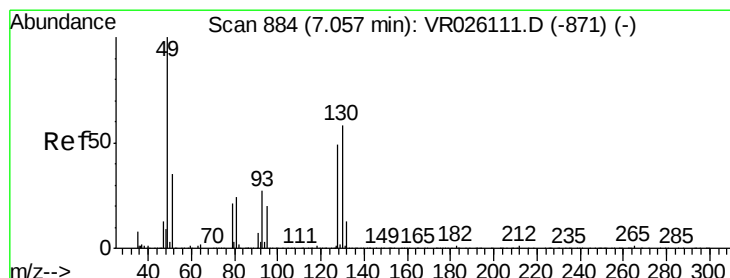
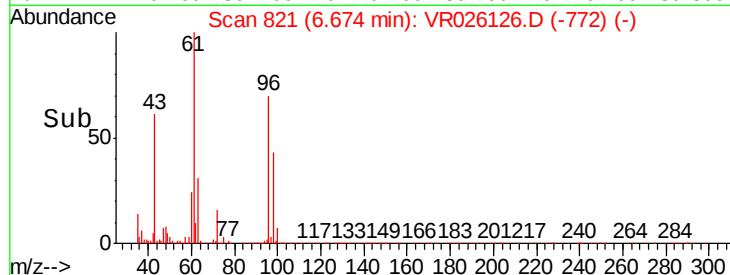
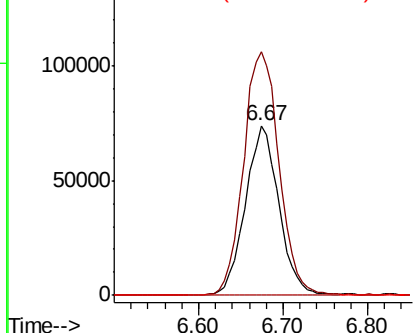
cis-1,2-Dichloroethene
Concen: 4.714 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

Tgt Ion: 96 Resp: 198699
Ion Ratio Lower Upper
96 100
61 143.7 101.8 189.0
68 0.1 0.1 0.3#



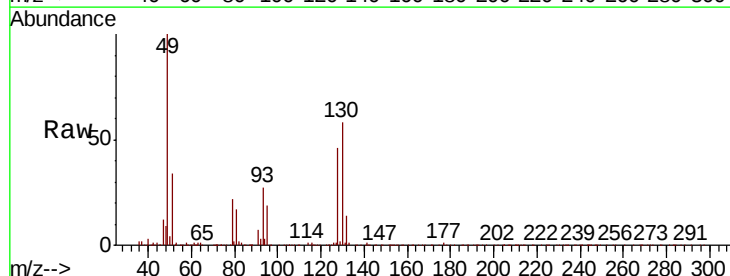
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



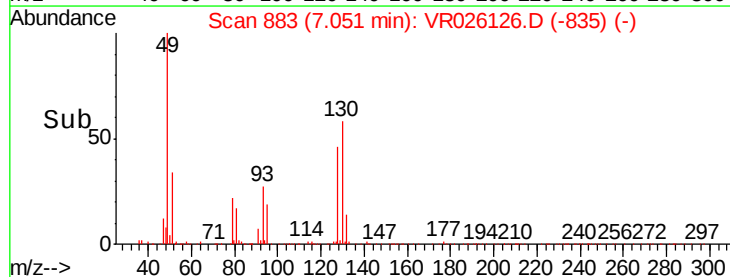
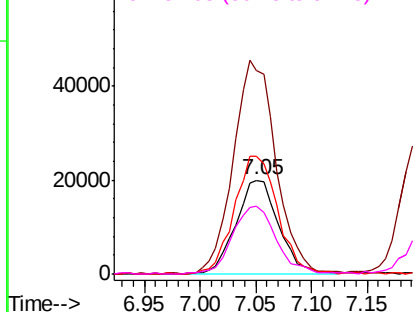
#23

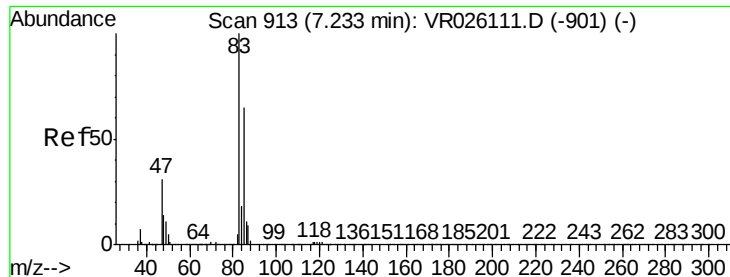
Bromochloromethane
Concen: 4.503 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.01 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

Tgt Ion: 128 Resp: 53240
Ion Ratio Lower Upper
128 100
49 217.0 146.2 271.4
130 125.3 92.5 171.7
51 72.8 55.6 83.4



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

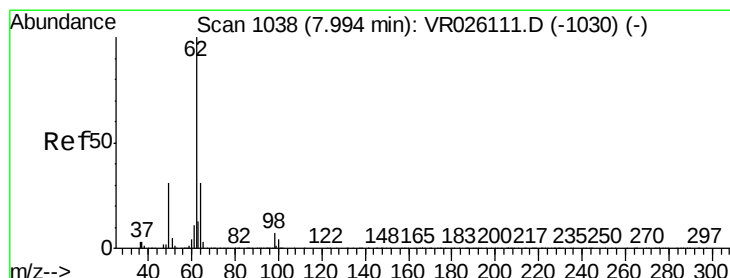
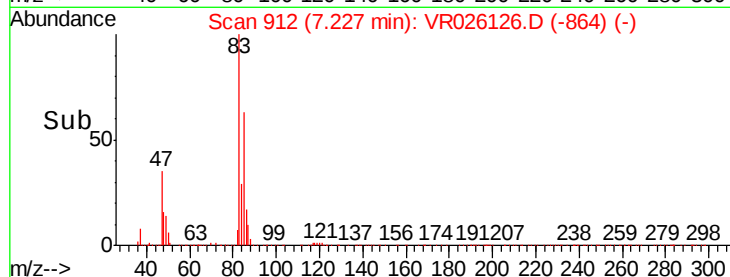
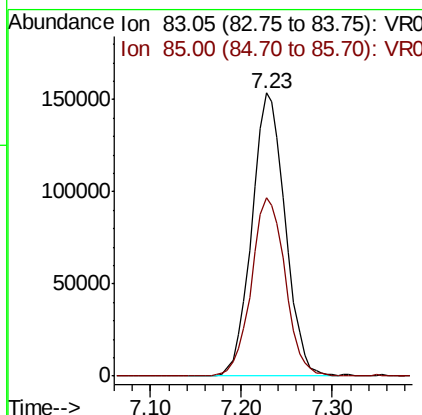
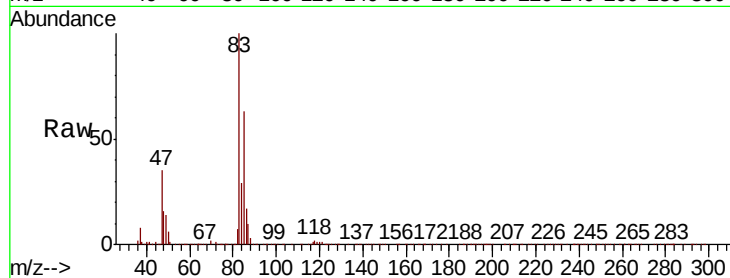




#25
Chloroform
Concen: 4.766 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.01 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

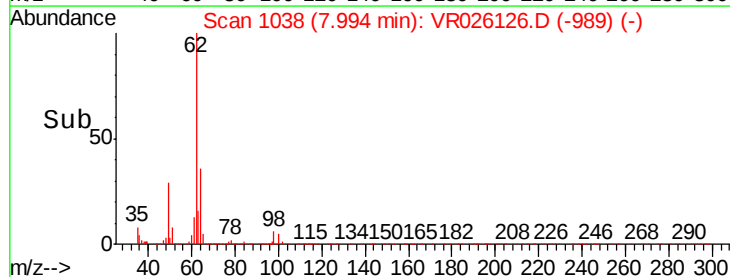
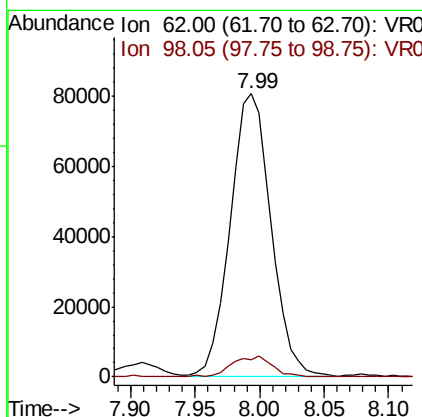
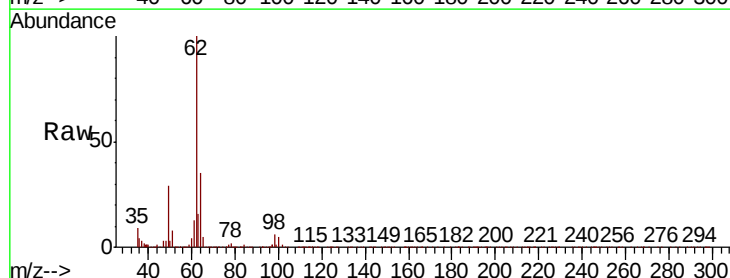
Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

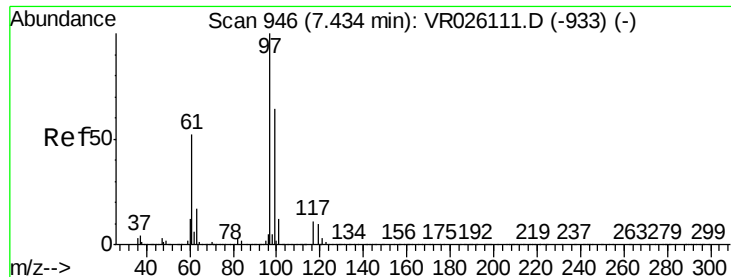
Tgt Ion: 83 Resp: 389114
Ion Ratio Lower Upper
83 100
85 62.9 43.5 80.7



#27
1,2-Dichloroethane
Concen: 4.391 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

Tgt Ion: 62 Resp: 175495
Ion Ratio Lower Upper
62 100
98 6.1 5.6 8.4

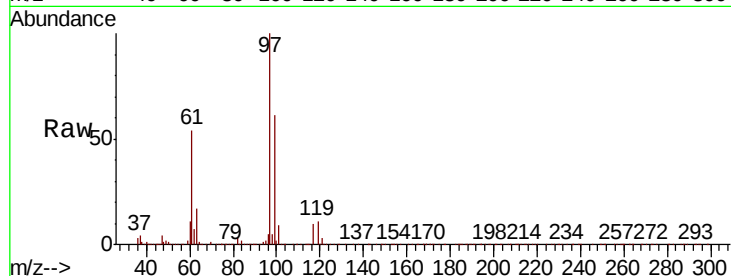




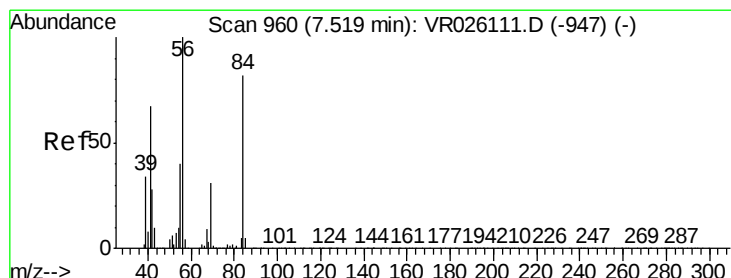
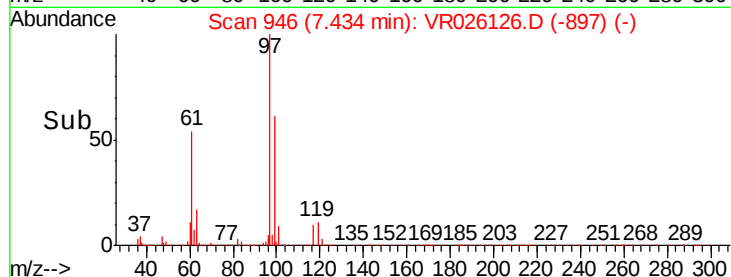
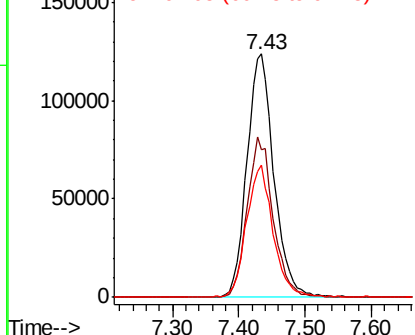
#29
1,1,1-Trichloroethane
Concen: 5.041 ug/L
RT: 7.43 min Scan# 946
Delta R.T. -0.00 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.1	76.7
61	53.2	42.1	63.1

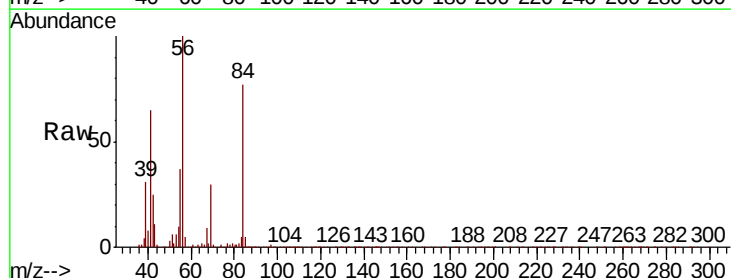


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

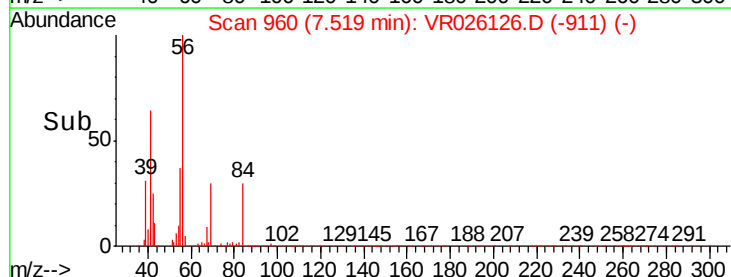
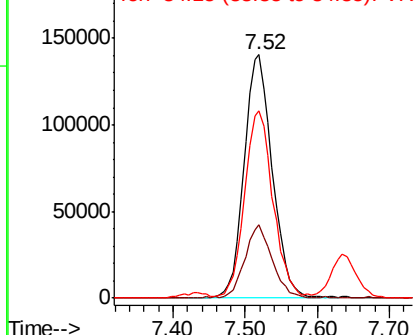


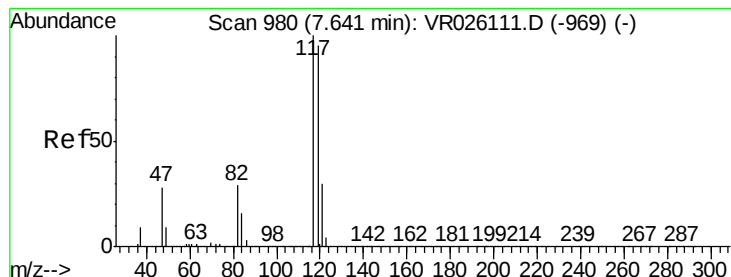
#30
Cyclohexane
Concen: 5.435 ug/L
RT: 7.52 min Scan# 960
Delta R.T. -0.00 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.8	35.8
84	78.1	62.2	93.4



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





#31

Carbon tetrachloride

Concen: 4.939 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.01 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

Instrument :

MSVOA_R

ClientSampleId :

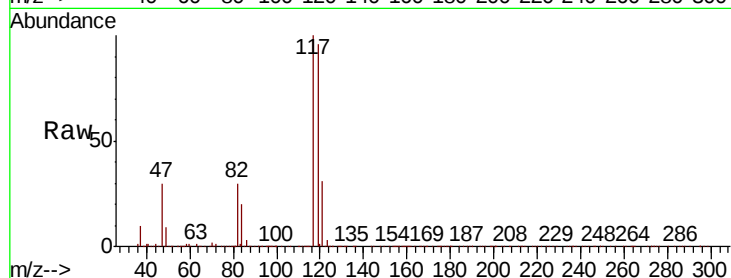
VSTD00594

Tgt Ion:117 Resp: 313118

Ion Ratio Lower Upper

117 100

119 94.4 74.2 111.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

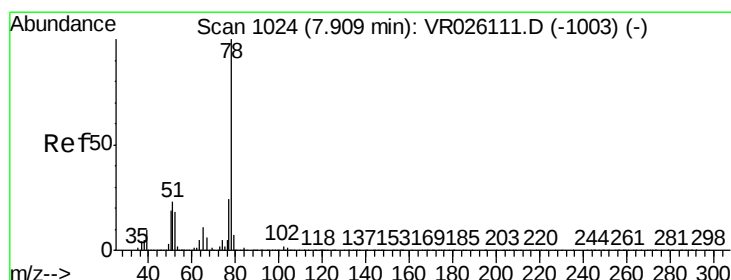
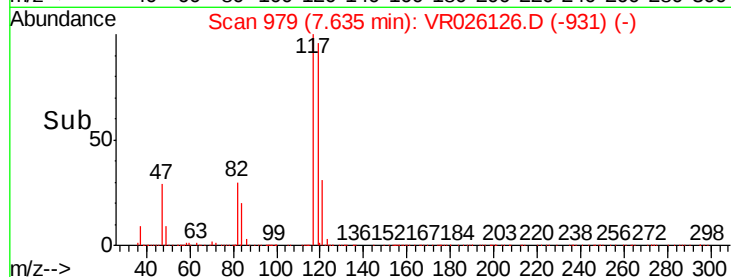
7.63

100000

50000

0

Time-->



#33

Benzene

Concen: 4.898 ug/L

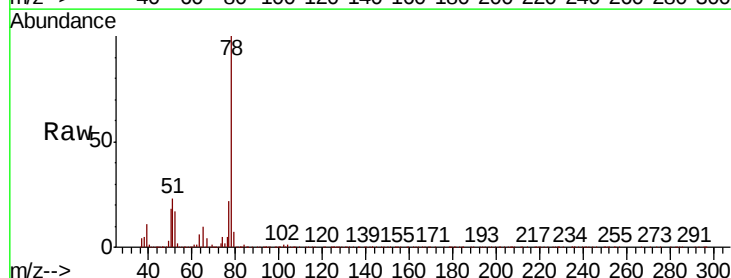
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

Tgt Ion: 78 Resp: 937743



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

500000

400000

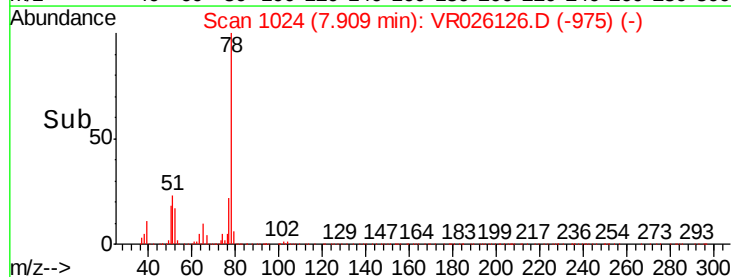
300000

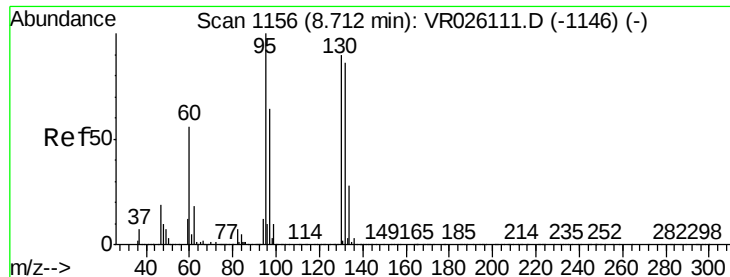
200000

100000

0

Time-->

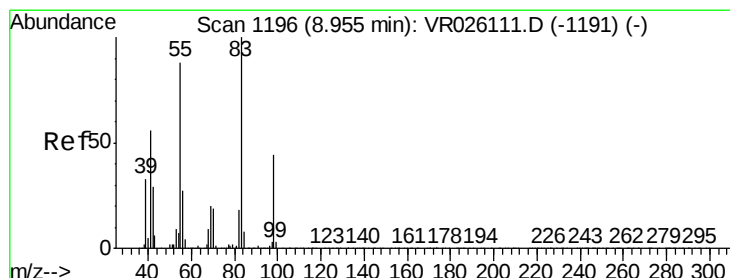
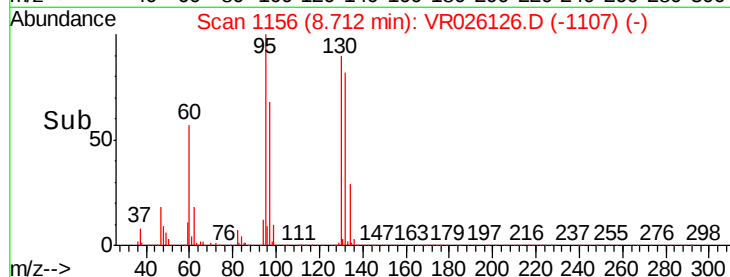
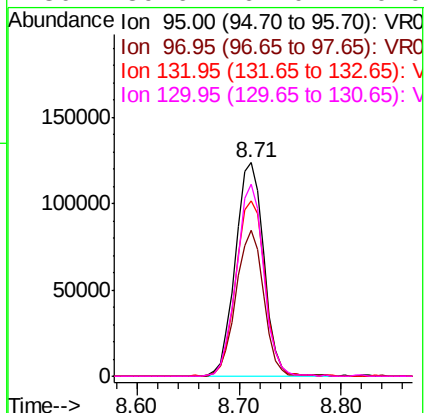
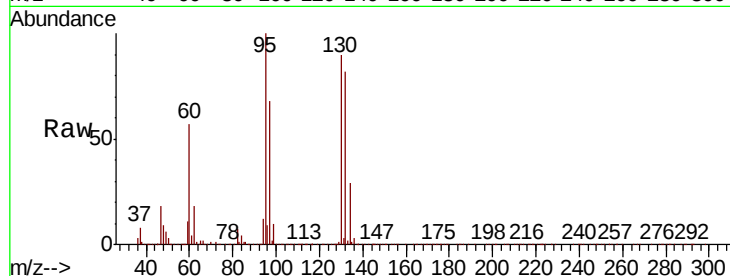




#34
 Trichloroethene
 Concen: 4.860 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VR026126.D
 Acq: 18 Oct 2018 10:23

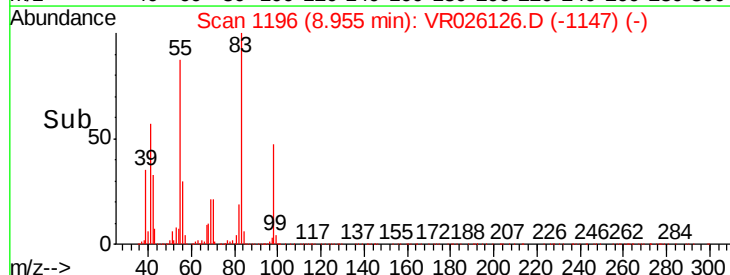
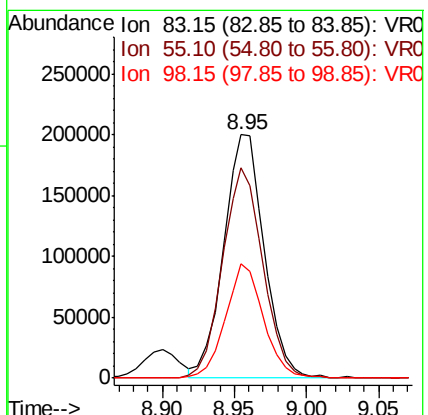
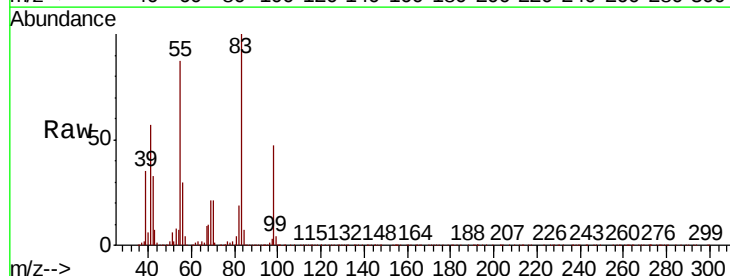
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

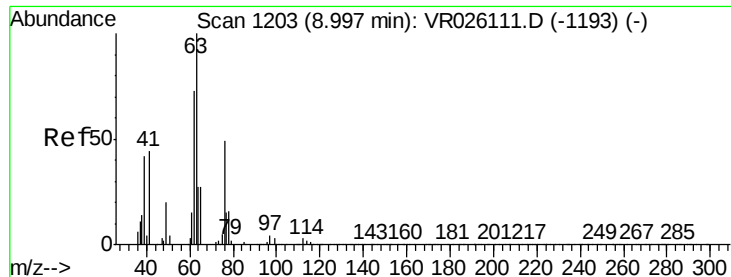
Tgt Ion:	95	Resp:	238156
Ion	Ratio	Lower	Upper
95	100		
97	68.3	45.7	84.9
132	81.9	58.3	108.3
130	89.6	64.0	119.0



#35
 Methylcyclohexane
 Concen: 5.330 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR026126.D
 Acq: 18 Oct 2018 10:23

Tgt Ion:	83	Resp:	388828
Ion	Ratio	Lower	Upper
83	100		
55	87.1	66.8	100.2
98	43.9	35.2	52.8

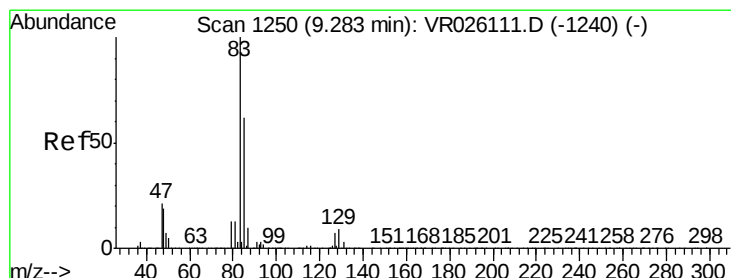
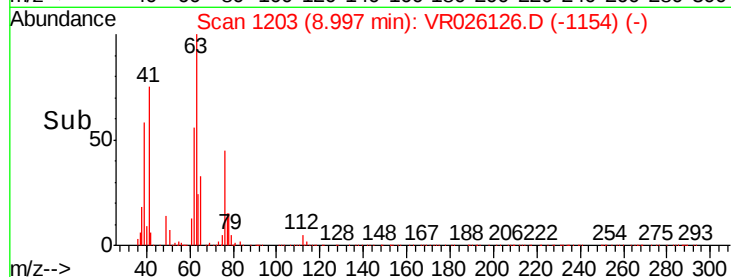
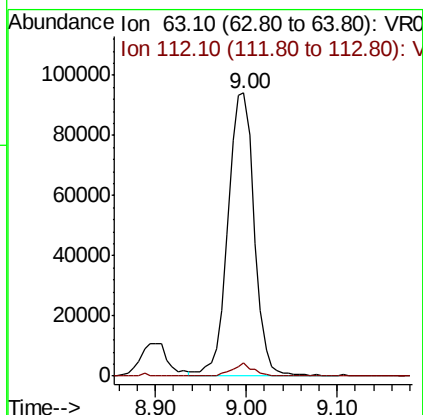
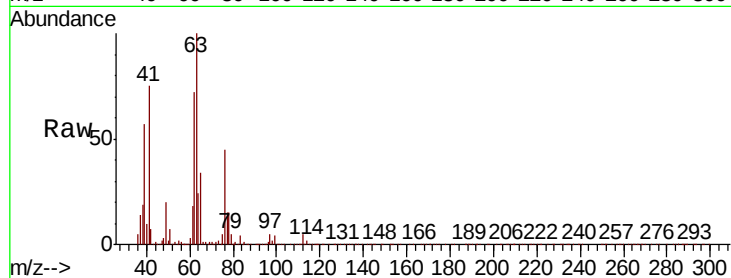




#37
 1,2-Dichloropropane
 Concen: 4.677 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VR026126.D
 Acq: 18 Oct 2018 10:23

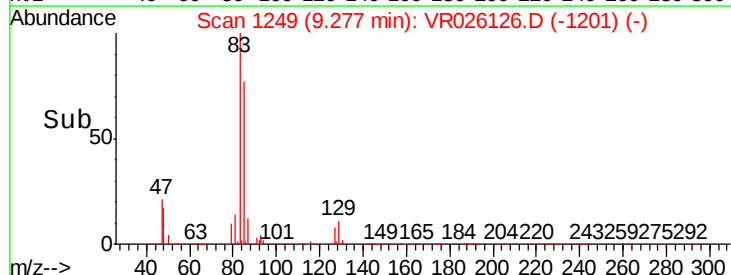
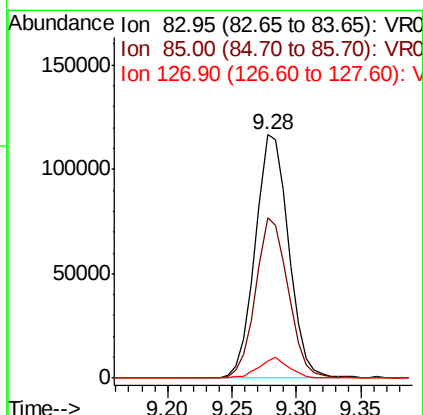
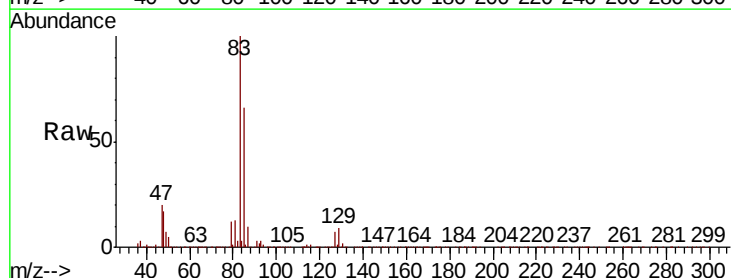
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00594

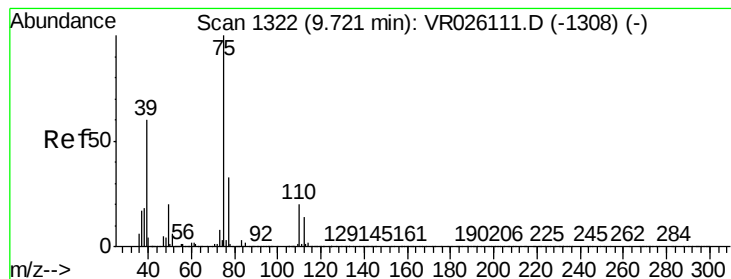
Tgt Ion: 63 Resp: 188907
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.7 4.1



#38
 Bromodichloromethane
 Concen: 4.796 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VR026126.D
 Acq: 18 Oct 2018 10:23

Tgt Ion: 83 Resp: 208309
 Ion Ratio Lower Upper
 83 100
 85 65.7 43.5 80.7
 127 6.8 7.0 10.6#





#39

cis-1,3-Dichloropropene

Concen: 4.844 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

Instrument :

MSVOA_R

ClientSampleId :

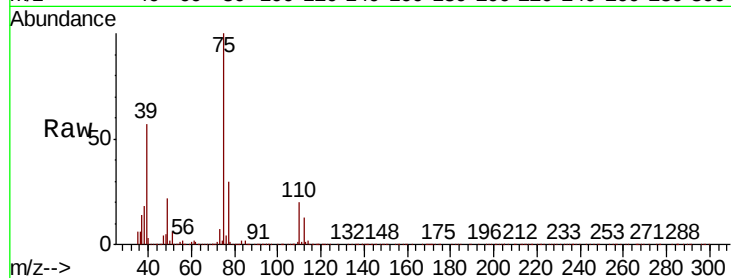
VSTD00594

Tgt Ion: 75 Resp: 223919

Ion Ratio Lower Upper

75 100

77 29.9 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

150000

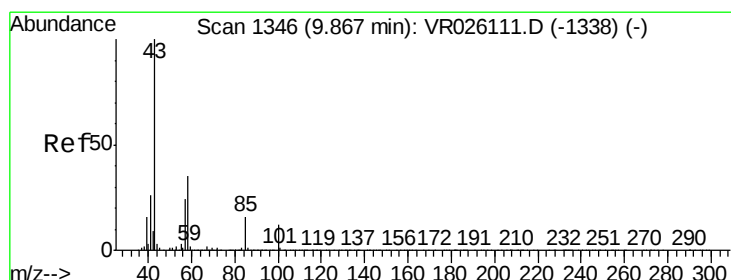
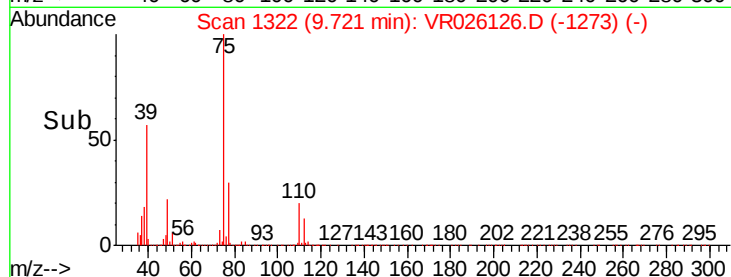
100000

50000

0

9.60 9.70 9.80

Time-->



#40

4-Methyl-2-pentanone

Concen: 43.804 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

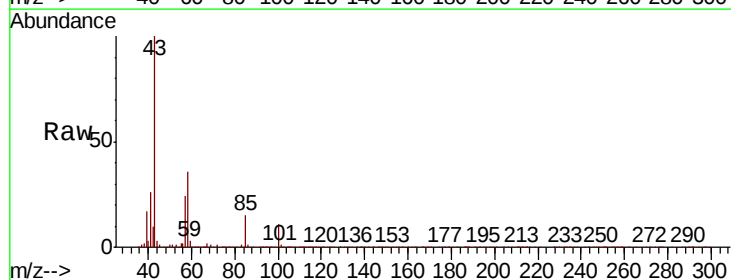
Tgt Ion: 43 Resp: 540339

Ion Ratio Lower Upper

43 100

58 34.2 28.1 42.1

100 11.2 9.3 13.9



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

400000

300000

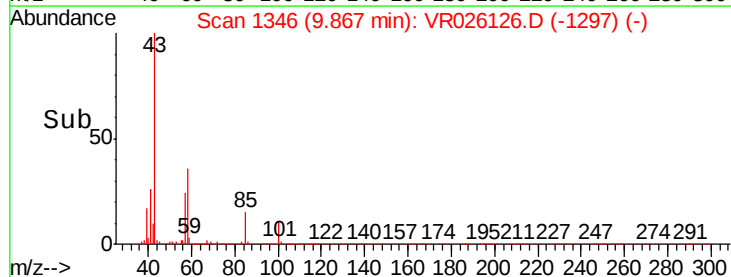
200000

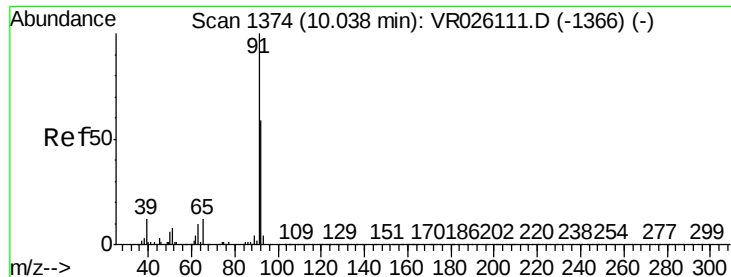
100000

0

9.80 9.90

Time-->





#42

Toluene

Concen: 5.013 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

Instrument :

MSVOA_R

ClientSampleId :

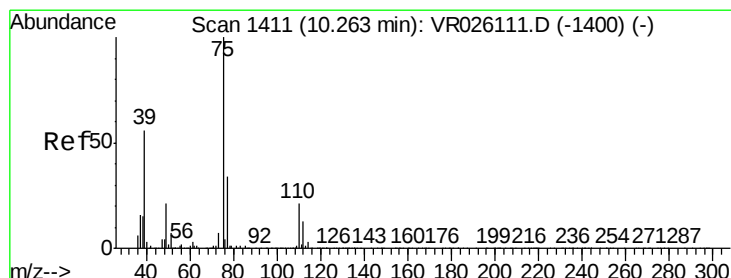
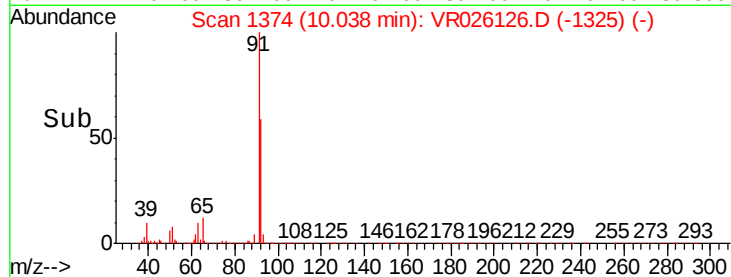
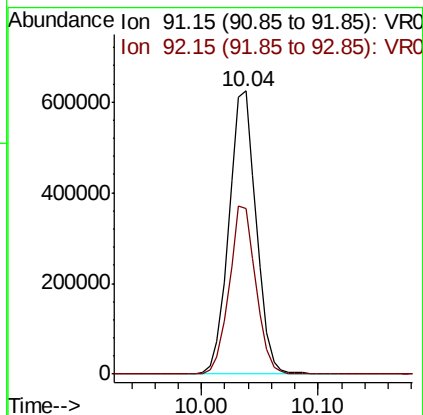
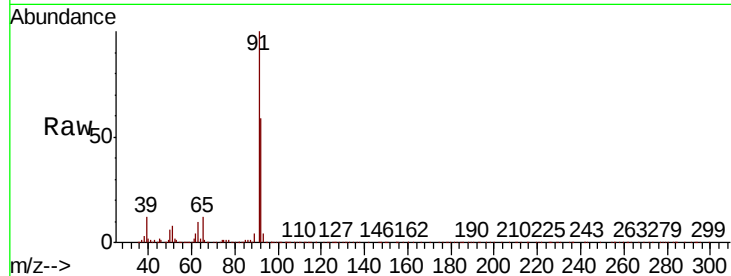
VSTD00594

Tgt Ion: 91 Resp: 1012837

Ion Ratio Lower Upper

91 100

92 58.7 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.580 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026126.D

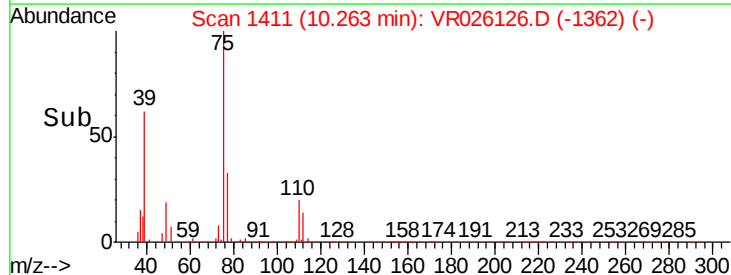
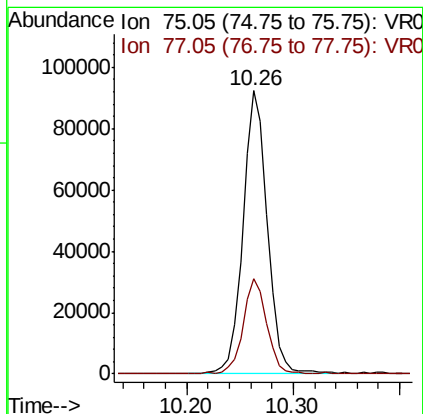
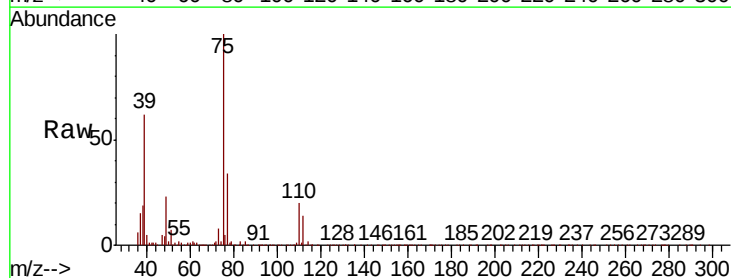
Acq: 18 Oct 2018 10:23

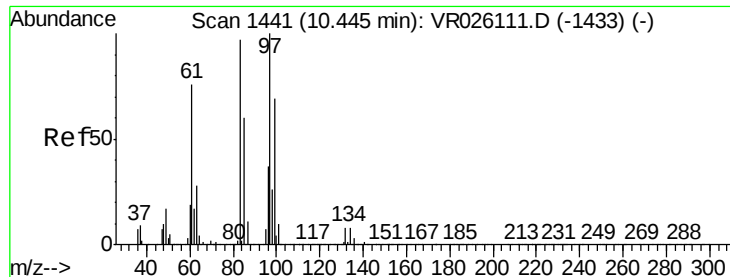
Tgt Ion: 75 Resp: 147923

Ion Ratio Lower Upper

75 100

77 33.6 24.1 44.7

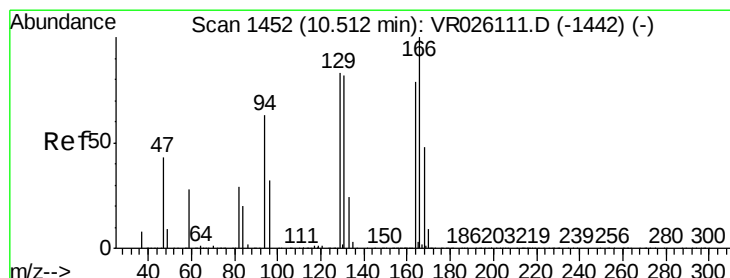
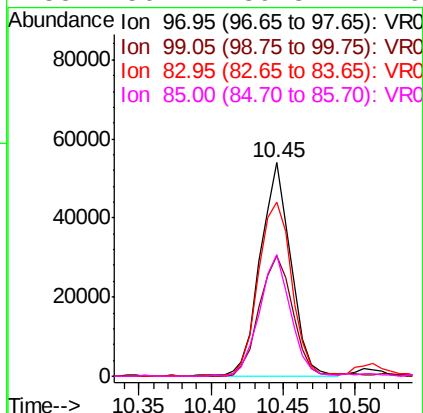
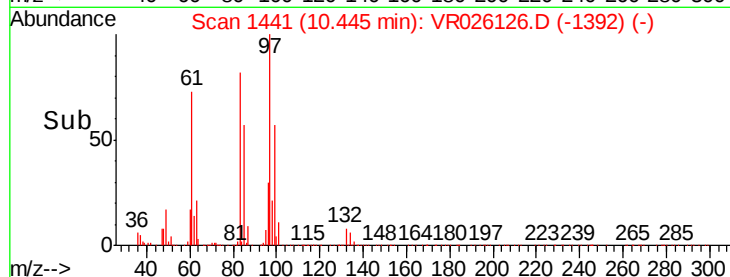
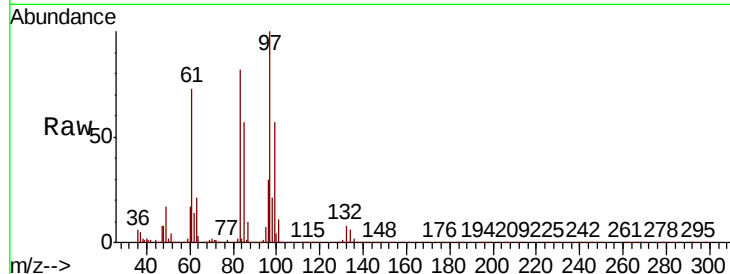




#45
 1,1,2-Trichloroethane
 Concen: 4.656 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026126.D
 Acq: 18 Oct 2018 10:23

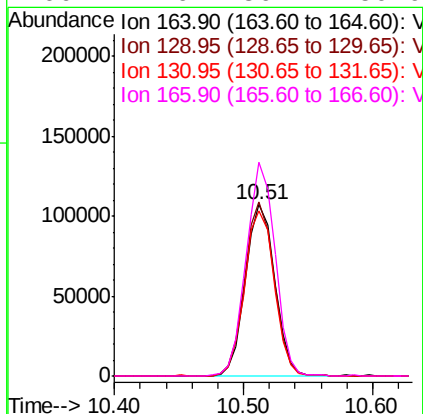
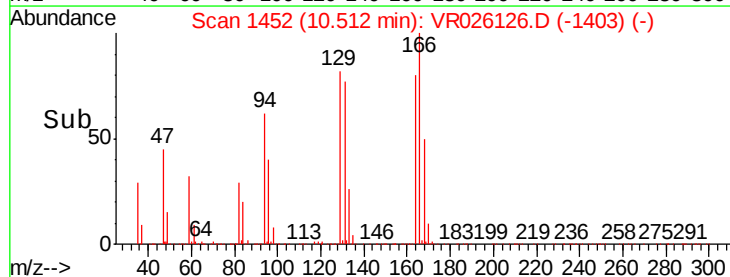
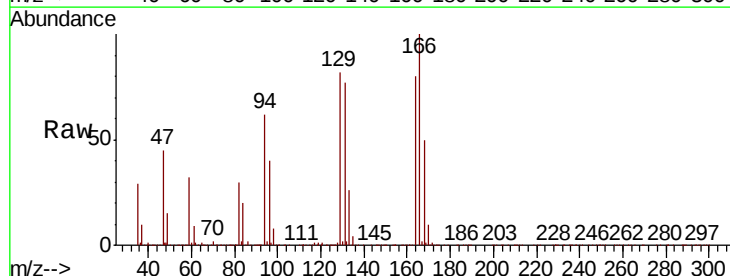
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

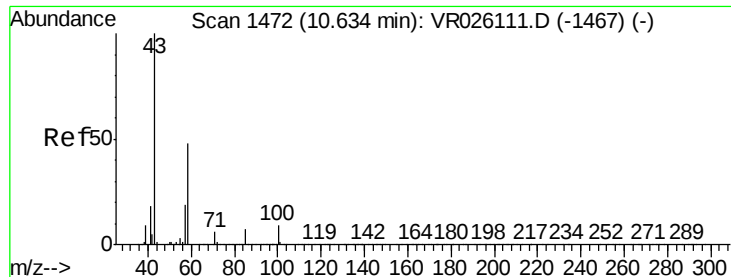
Tgt Ion:	97	Resp:	79327
Ion	Ratio	Lower	Upper
97	100		
99	56.6	42.8	79.4
83	81.7	61.9	114.9
85	56.7	39.3	72.9



#47
 Tetrachloroethene
 Concen: 4.809 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026126.D
 Acq: 18 Oct 2018 10:23

Tgt Ion:	164	Resp:	168272
Ion	Ratio	Lower	Upper
164	100		
129	101.9	70.3	130.5
131	96.0	67.3	125.1
166	124.6	86.1	159.9

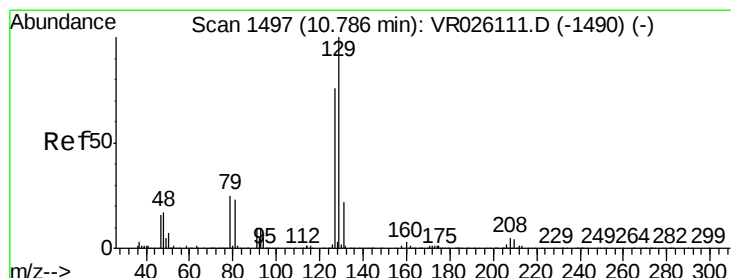
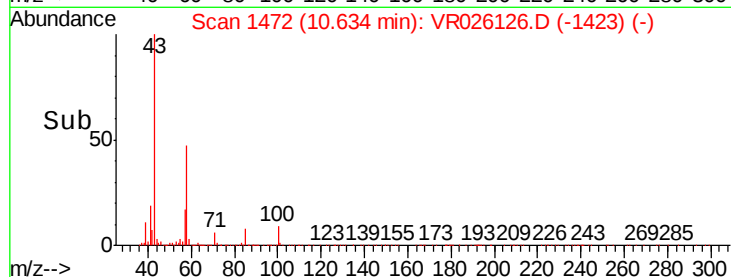
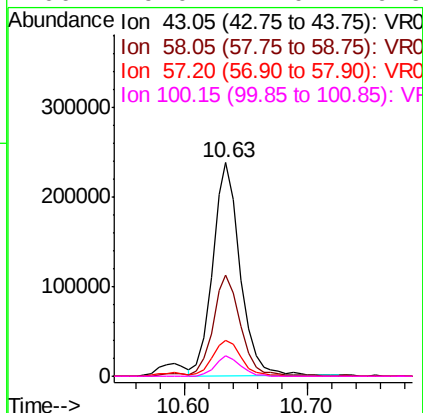
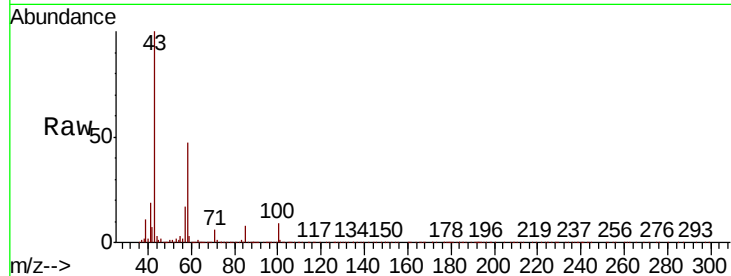




#48
2-Hexanone
Concen: 46.080 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

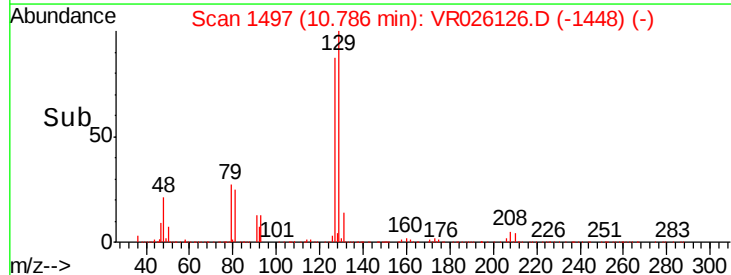
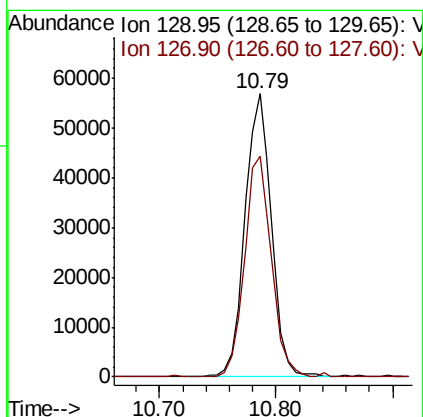
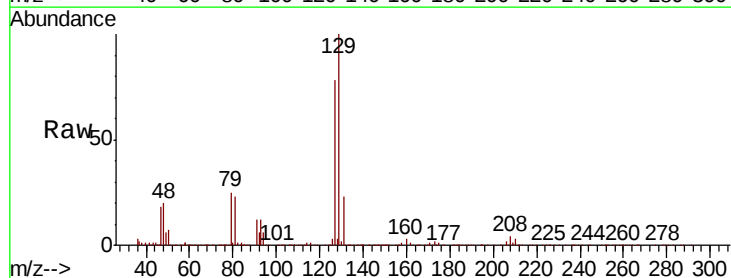
Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

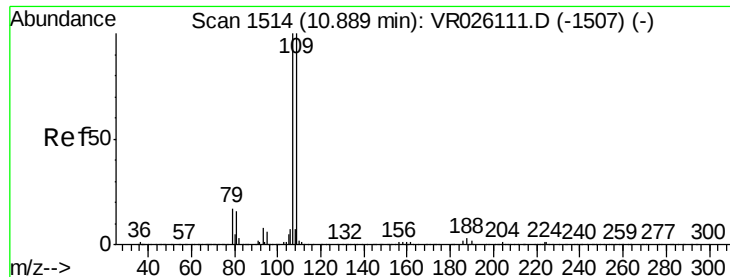
Tgt Ion:	43	Resp:	371242
Ion	Ratio	Lower	Upper
43	100		
58	49.0	39.6	59.4
57	17.9	14.0	21.0
100	9.0	7.0	10.6



#49
Dibromochloromethane
Concen: 4.695 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

Tgt Ion:	129	Resp:	90020
Ion	Ratio	Lower	Upper
129	100		
127	77.8	55.0	102.2

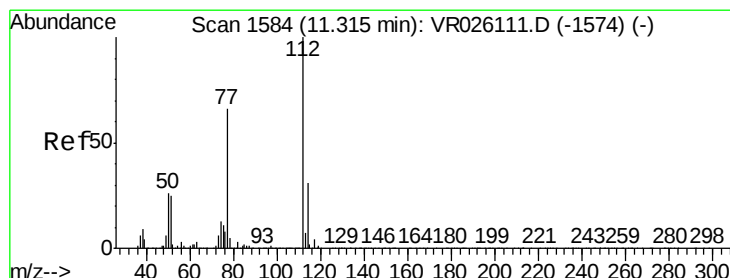
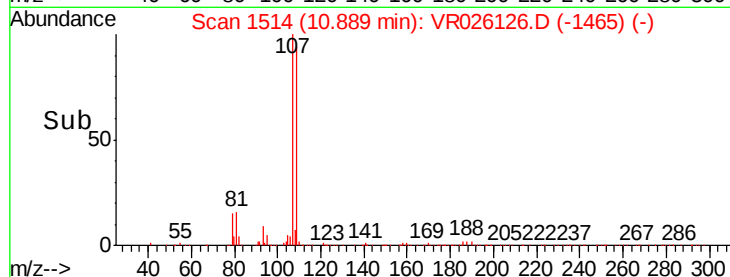
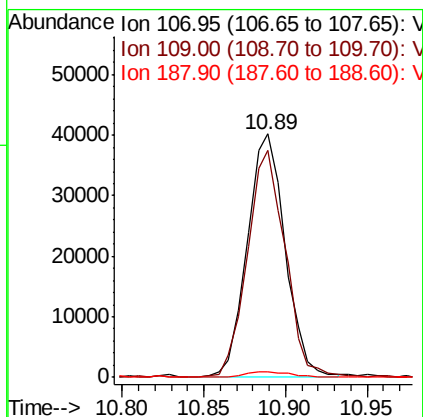
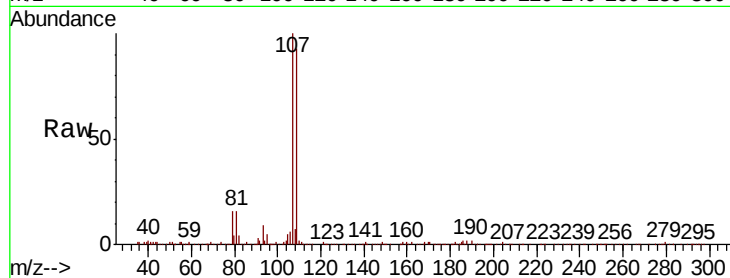




#50
1,2-Dibromoethane
Concen: 4.377 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

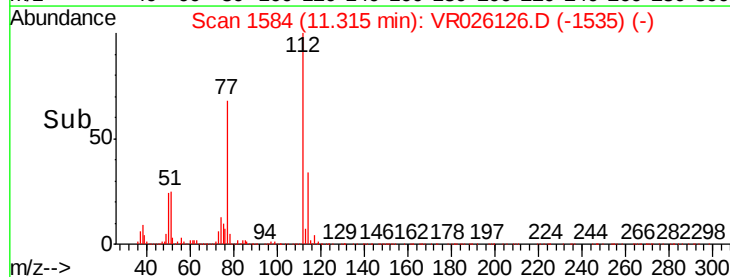
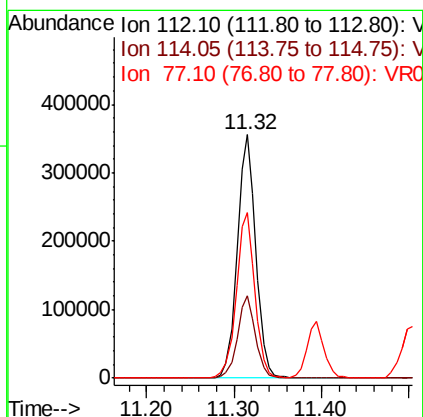
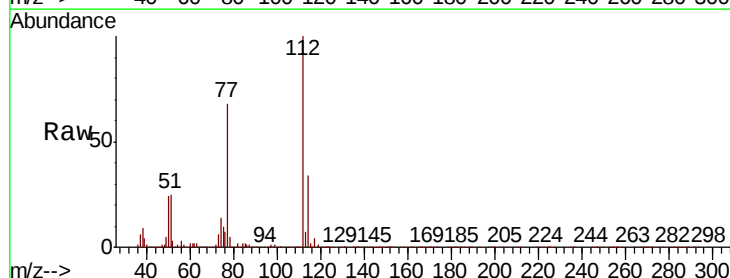
Instrument :
MSVOA_R
ClientSampled :
VSTD00594

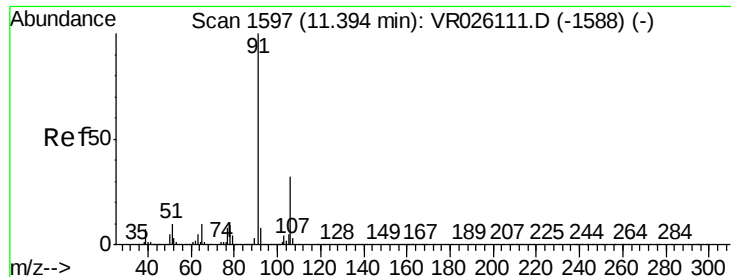
Tgt Ion:107 Resp: 64423
Ion Ratio Lower Upper
107 100
109 93.3 58.7 109.1
188 2.4 2.9 4.3#



#51
Chlorobenzene
Concen: 4.695 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

Tgt Ion:112 Resp: 525132
Ion Ratio Lower Upper
112 100
114 33.8 22.8 42.4
77 68.1 51.5 77.3





#52

Ethylbenzene

Concen: 5.194 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

Instrument :

MSVOA_R

ClientSampleId :

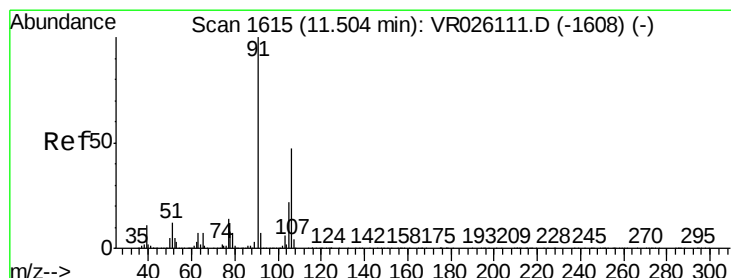
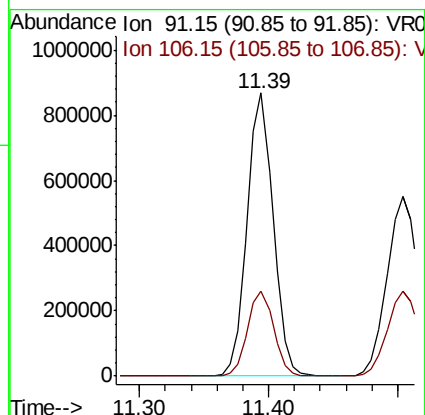
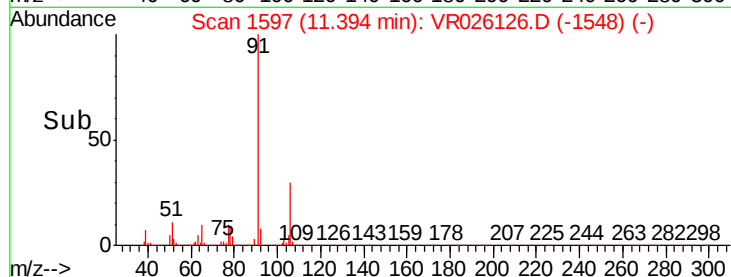
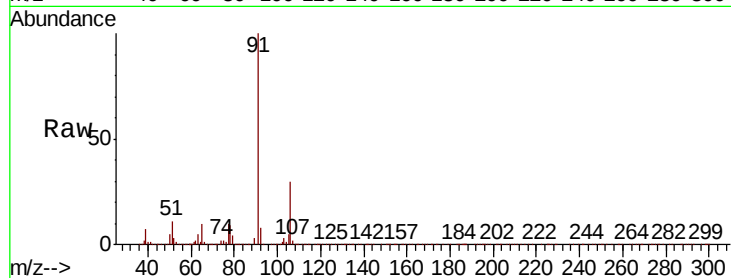
VSTD00594

Tgt Ion: 91 Resp: 1206847

Ion Ratio Lower Upper

91 100

106 30.0 21.2 39.4



#53

m,p-Xylene

Concen: 5.202 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026126.D

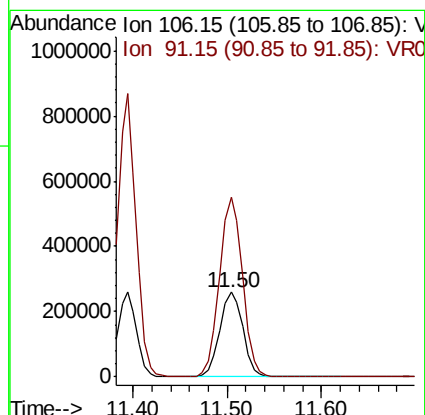
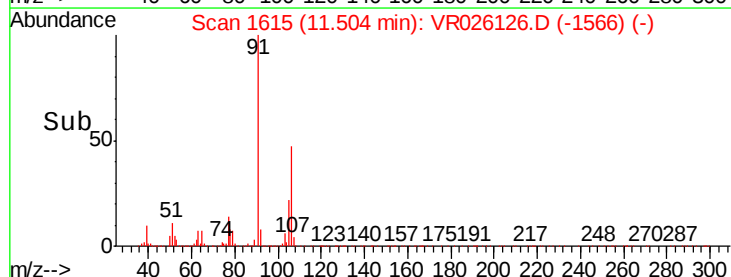
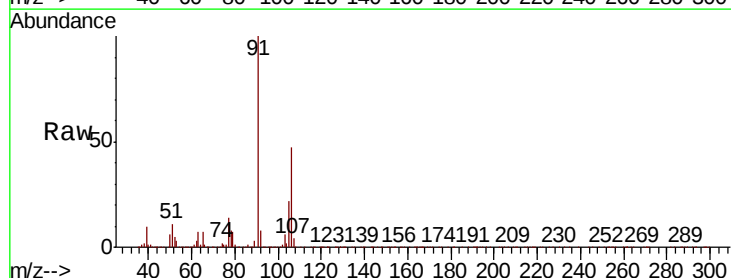
Acq: 18 Oct 2018 10:23

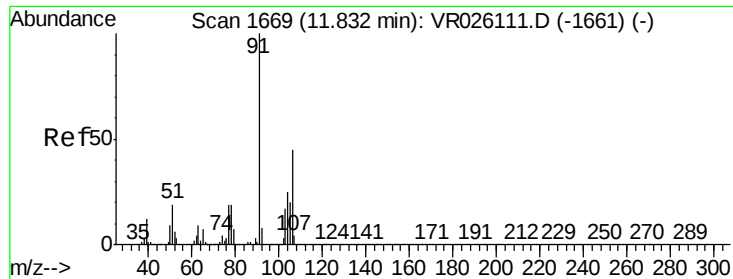
Tgt Ion: 106 Resp: 440405

Ion Ratio Lower Upper

106 100

91 212.0 145.3 269.8

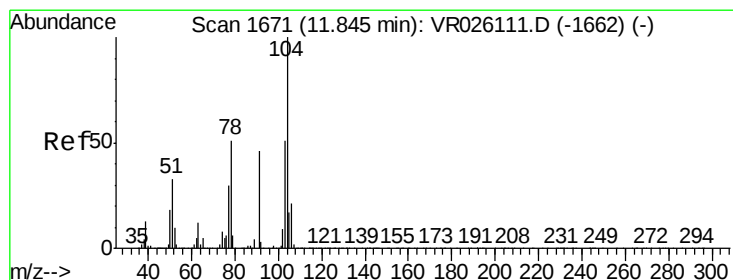
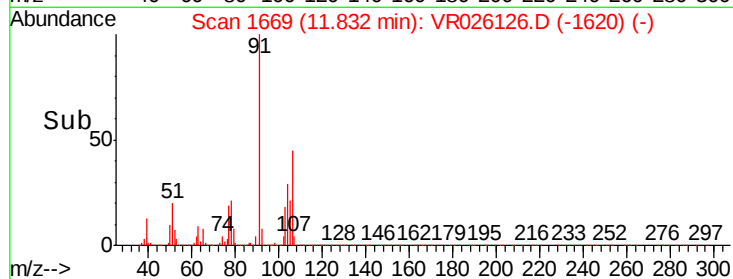
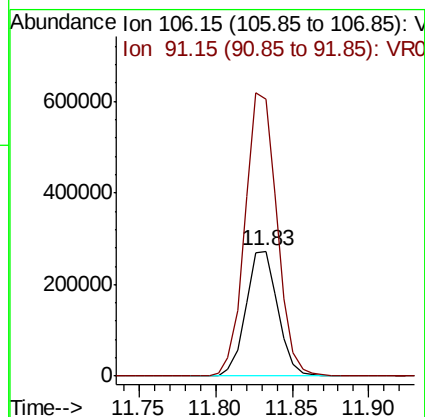
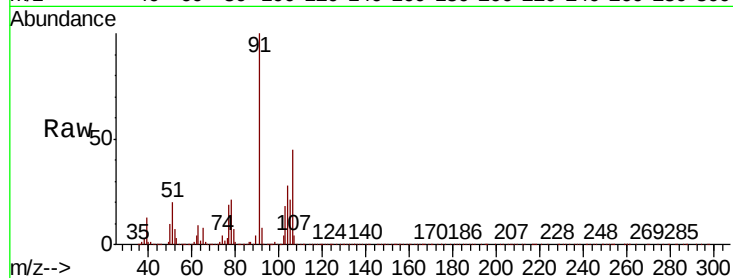




#54
o-Xylene
Concen: 5.083 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

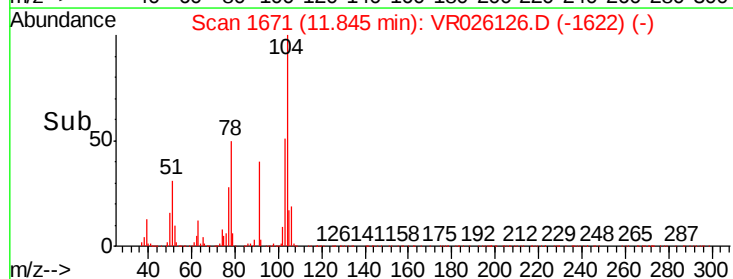
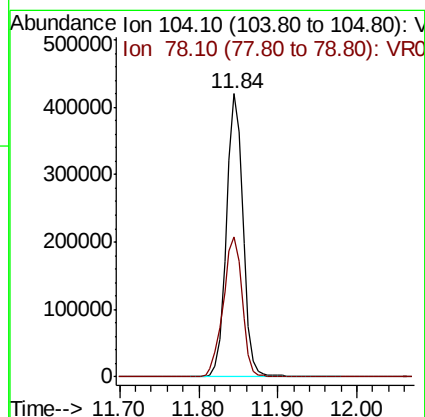
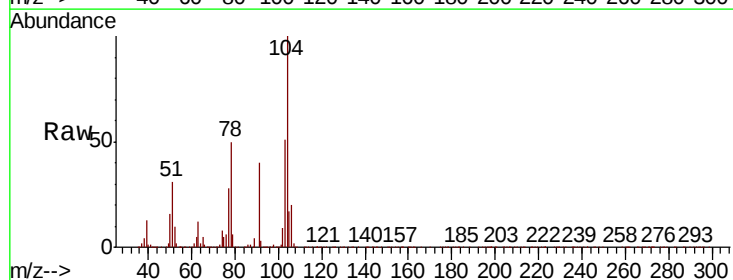
Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

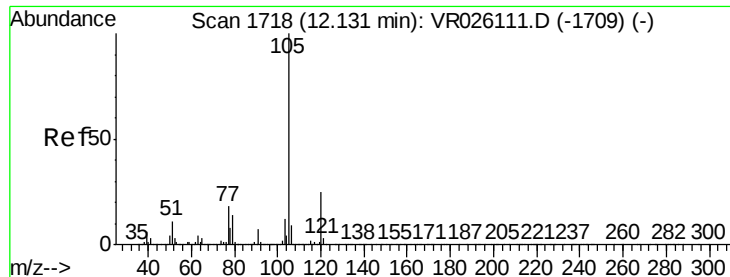
Tgt Ion:106 Resp: 394538
Ion Ratio Lower Upper
106 100
91 221.7 155.8 289.3



#55
Styrene
Concen: 5.129 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026126.D
Acq: 18 Oct 2018 10:23

Tgt Ion:104 Resp: 612723
Ion Ratio Lower Upper
104 100
78 49.6 34.7 64.5





#56

Isopropylbenzene

Concen: 5.430 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

Instrument :

MSVOA_R

ClientSampled :

VSTD00594

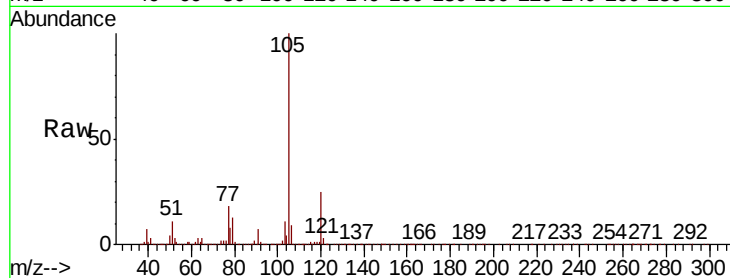
Tgt Ion: 105 Resp: 1170495

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.4

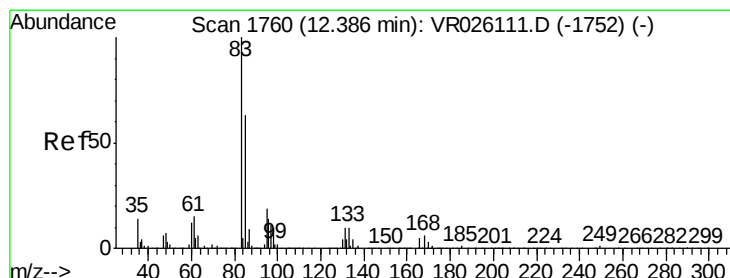
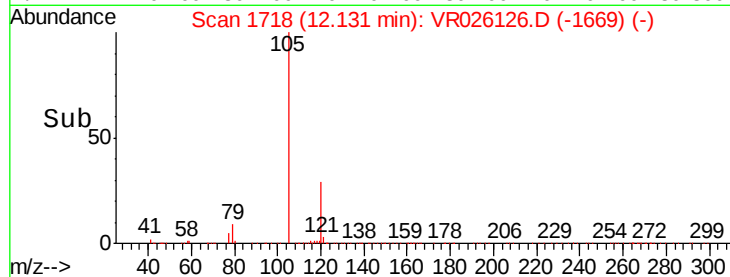
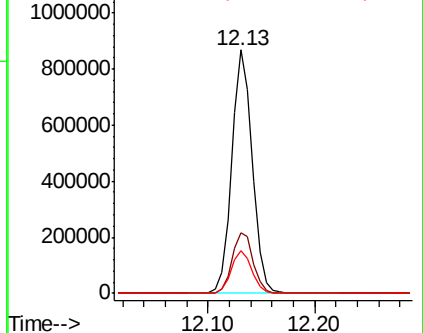
77 17.6 14.6 21.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.347 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

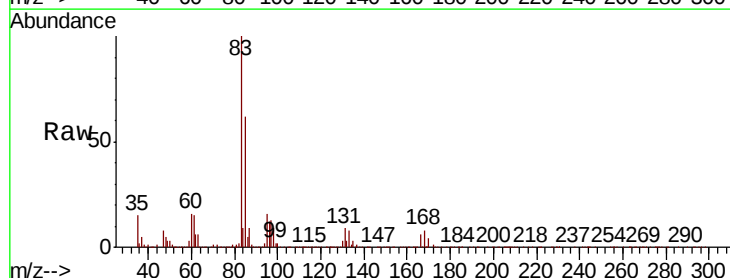
Tgt Ion: 83 Resp: 75279

Ion Ratio Lower Upper

83 100

85 61.5 44.0 81.8

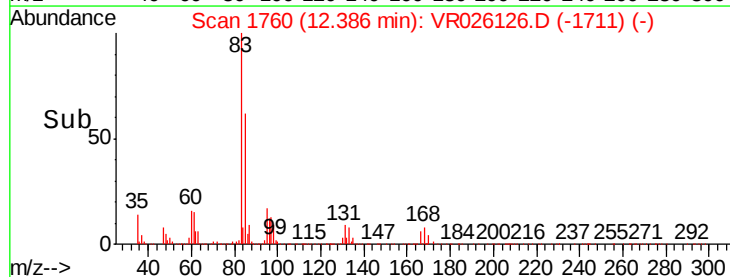
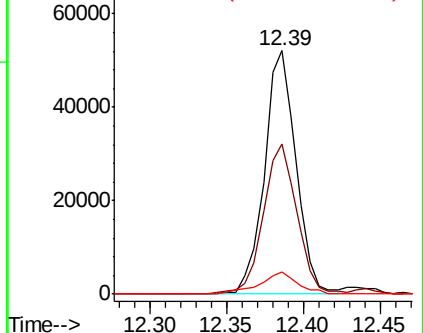
131 9.2 8.0 12.0

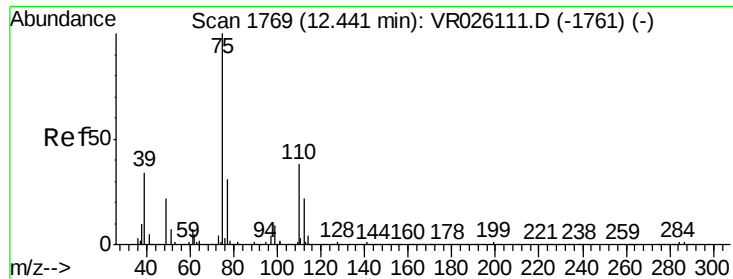


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.489 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.01 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

Instrument :

MSVOA_R

ClientSampleId :

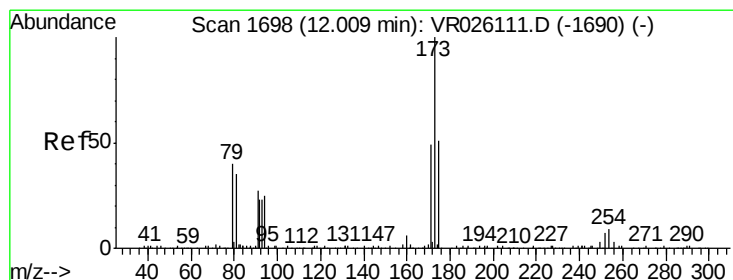
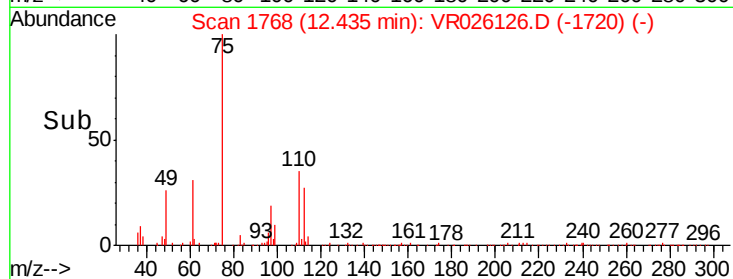
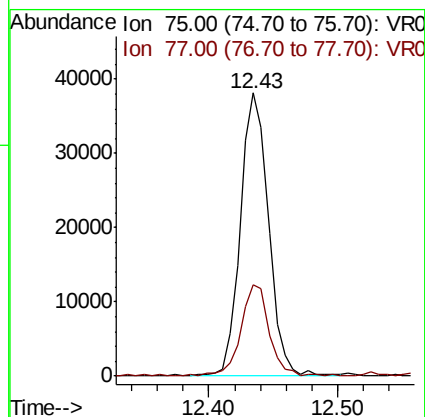
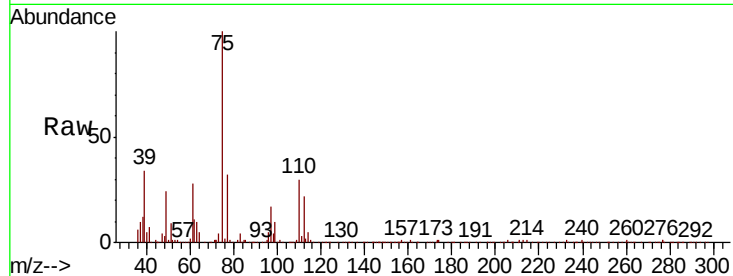
VSTD00594

Tgt Ion: 75 Resp: 57073

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.2



#61

Bromoform

Concen: 4.782 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

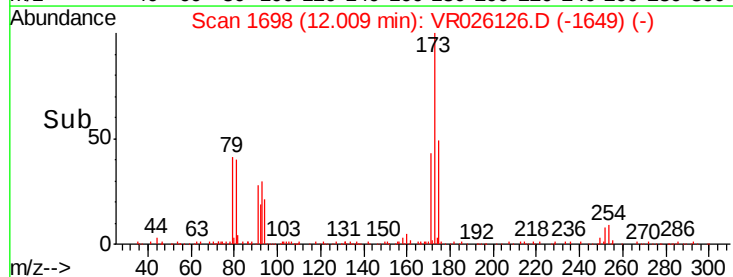
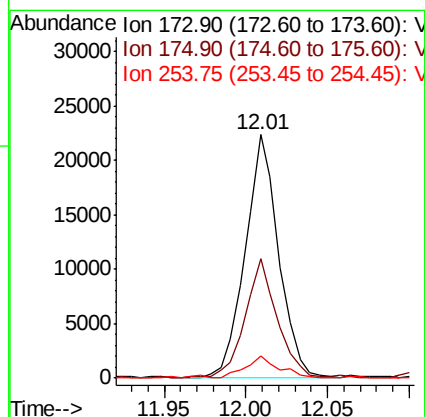
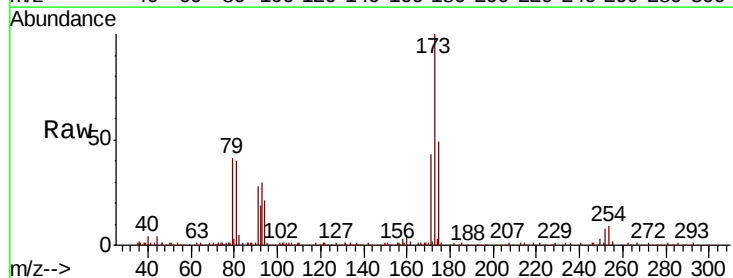
Tgt Ion: 173 Resp: 31962

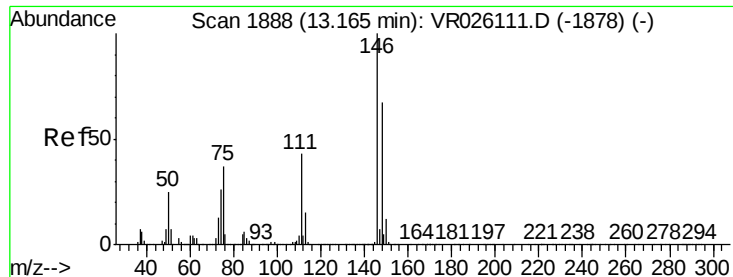
Ion Ratio Lower Upper

173 100

175 47.2 39.0 58.4

254 9.1 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 4.735 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

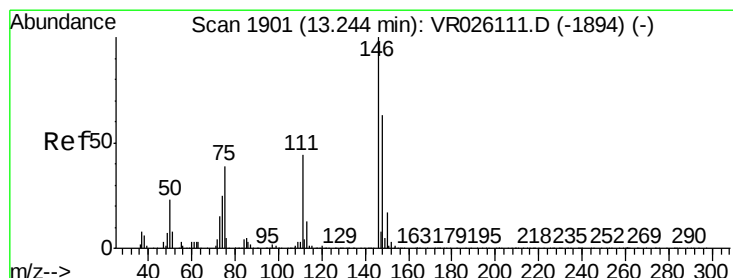
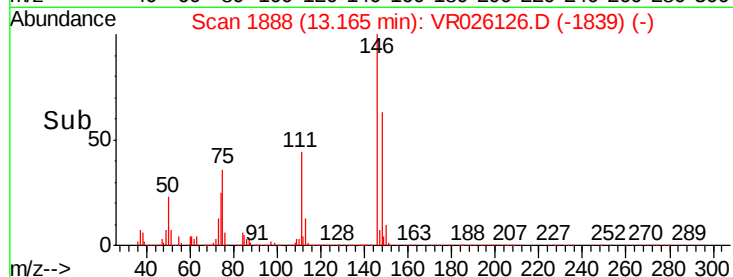
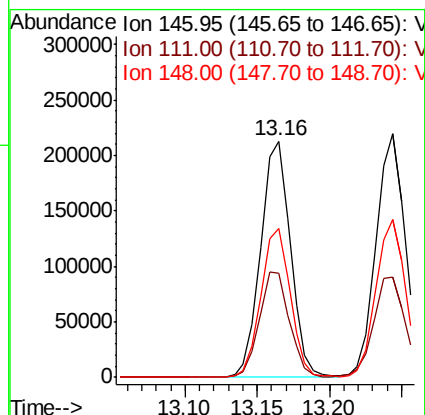
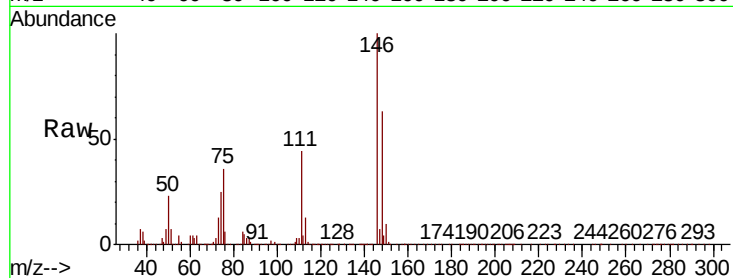
Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

Tgt Ion:	146	Resp:	302485
Ion Ratio	Lower	Upper	
146	100		
111	44.1	32.1	59.7
148	63.1	43.8	81.3



#63

1,4-Dichlorobenzene

Concen: 4.628 ug/L

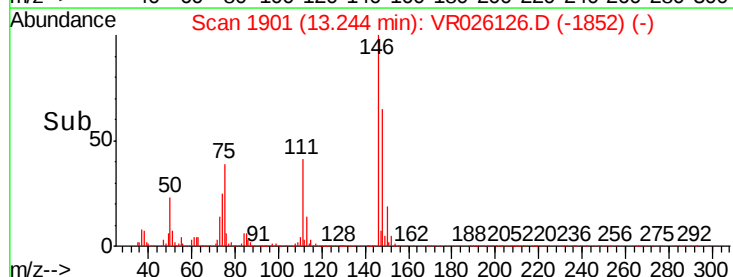
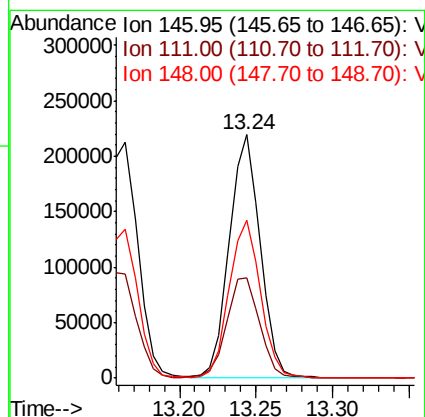
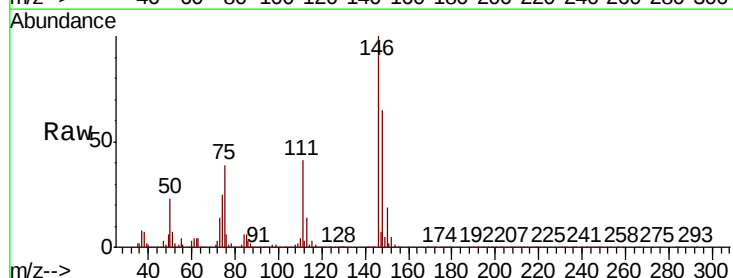
RT: 13.24 min Scan# 1901

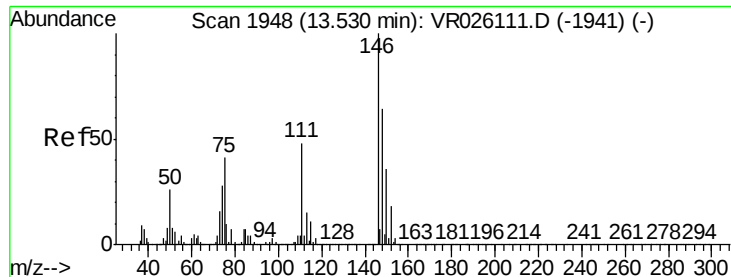
Delta R.T. 0.00 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

Tgt Ion:	146	Resp:	306197
Ion Ratio	Lower	Upper	
146	100		
111	41.4	32.6	60.6
148	64.9	46.7	86.7

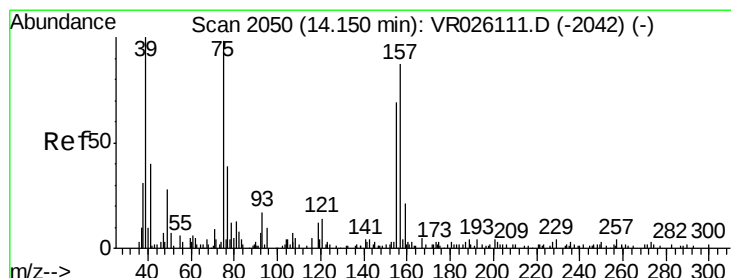
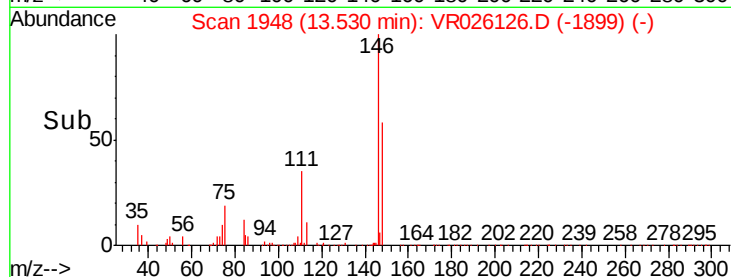
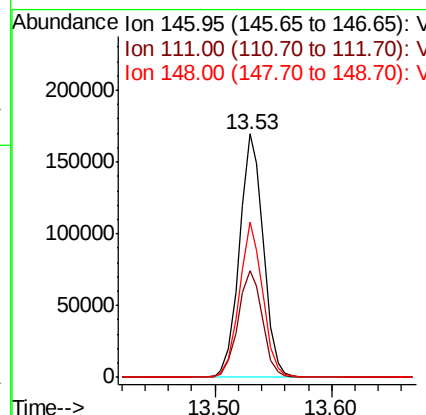
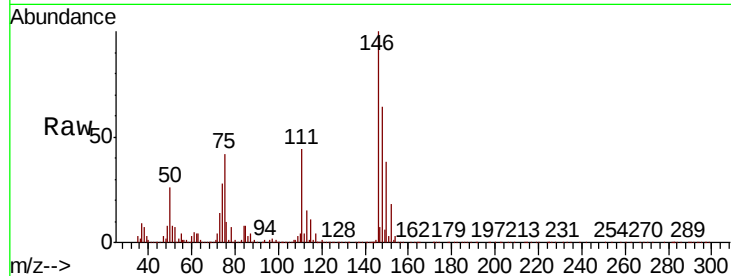




#65
 1,2-Dichlorobenzene
 Concen: 4.718 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026126.D
 Acq: 18 Oct 2018 10:23

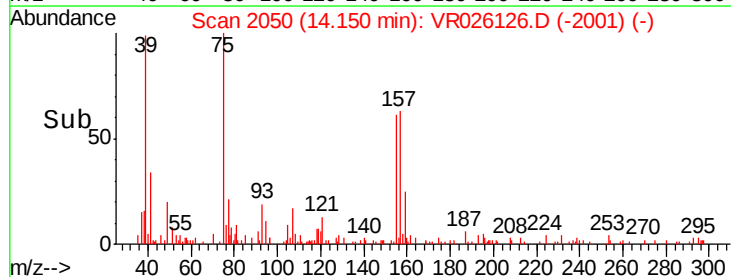
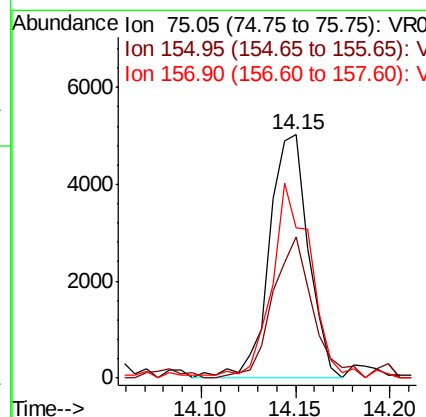
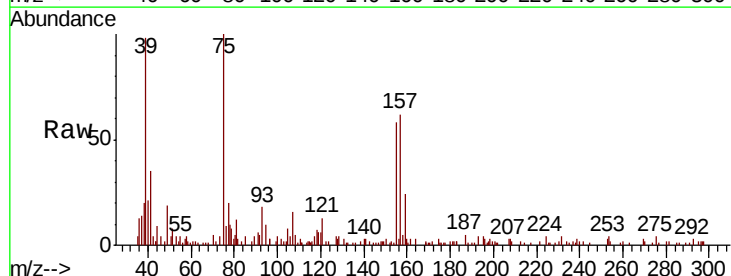
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

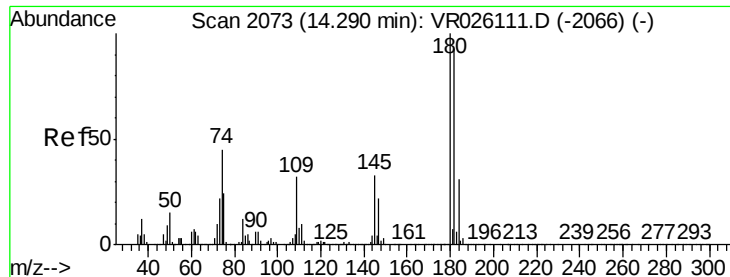
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	35.2	52.8
148	63.7	51.2	76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.450 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. -0.00 min
 Lab File: VR026126.D
 Acq: 18 Oct 2018 10:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	58.0	40.9	61.3
157	61.7	67.3	100.9

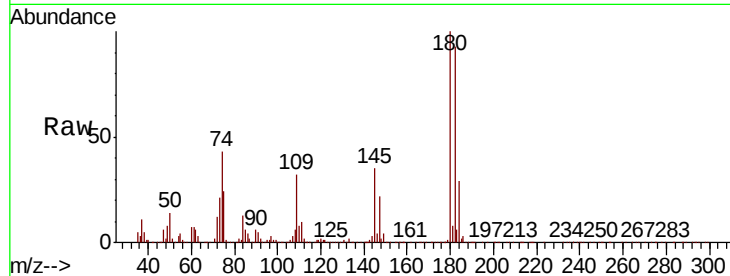




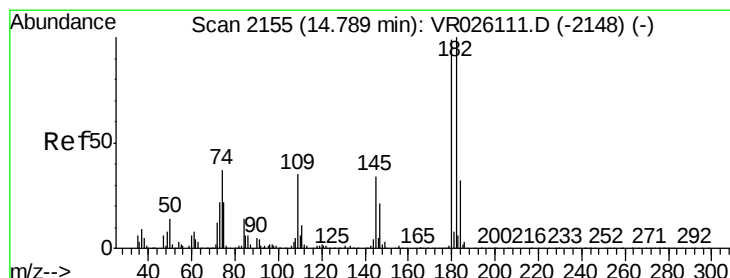
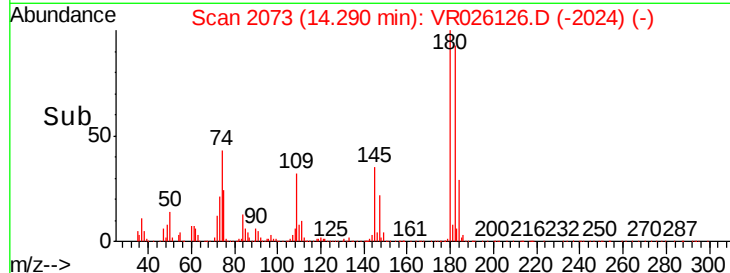
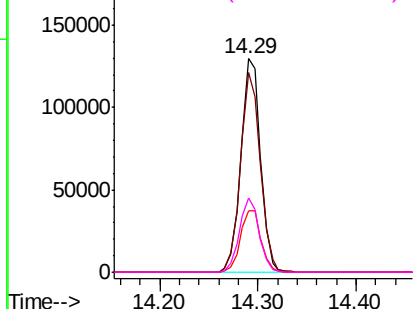
#67
 1,3,5-Trichlorobenzene
 Concen: 4.629 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026126.D
 Acq: 18 Oct 2018 10:23

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

Tgt Ion:	180	Resp:	180195
Ion Ratio	Lower	Upper	
180	100		
182	93.8	77.5	116.3
184	30.1	25.0	37.4
145	34.6	27.6	41.4

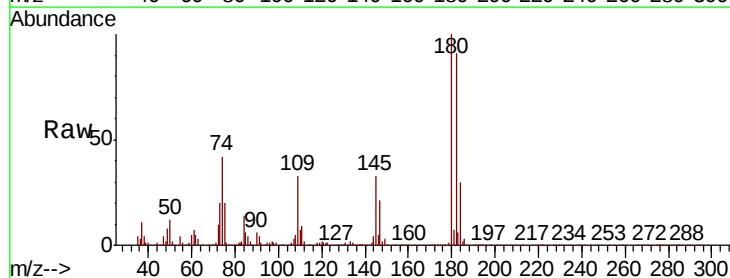


Abundance Ion 180.00 (179.70 to 180.70): V
 200000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

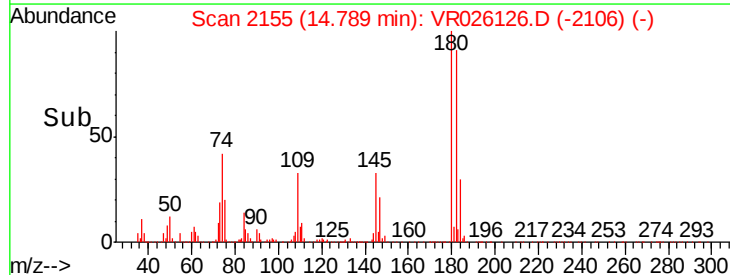
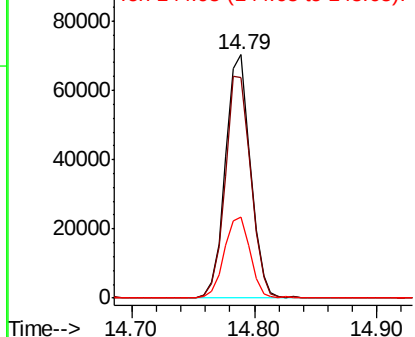


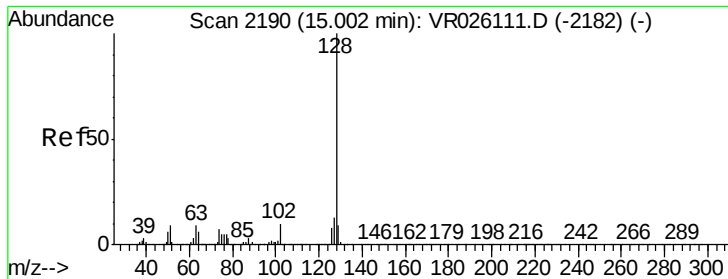
#68
 1,2,4-trichlorobenzene
 Concen: 4.359 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VR026126.D
 Acq: 18 Oct 2018 10:23

Tgt Ion:	180	Resp:	99048
Ion Ratio	Lower	Upper	
180	100		
182	93.1	76.1	114.1
145	34.4	28.2	42.4



Abundance Ion 179.90 (179.60 to 180.60): V
 80000
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.143 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

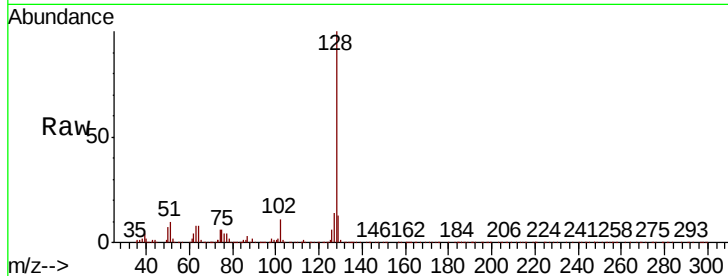
Tgt Ion:128 Resp: 91399

Ion Ratio Lower Upper

128 100

127 14.2 11.0 16.6

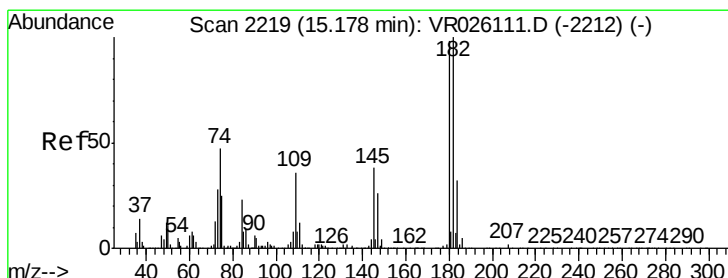
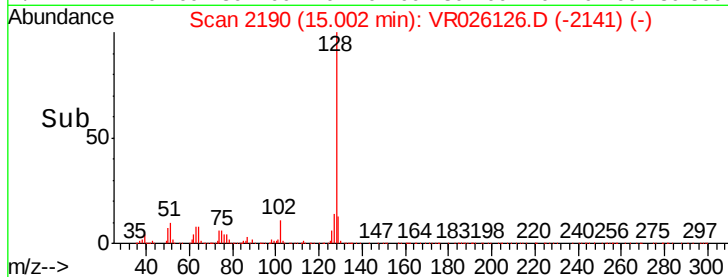
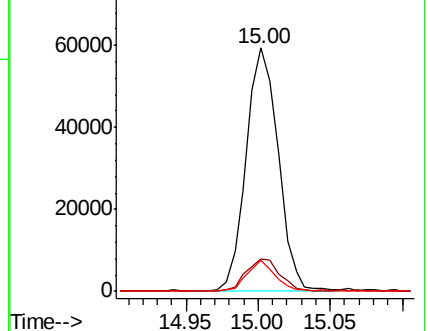
129 11.5 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.411 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026126.D

Acq: 18 Oct 2018 10:23

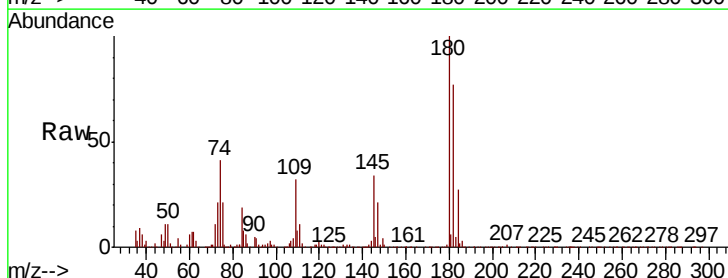
Tgt Ion:180 Resp: 69599

Ion Ratio Lower Upper

180 100

182 90.8 75.7 113.5

145 34.5 28.8 43.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

