

Data File : VR025779.D
Acq On : 20 Sep 2018 16:57
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00517

Quant Time: Sep 21 07:32:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 20 16:09:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	638939	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	498839	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	180591	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	113879	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	2.63	69	101981	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	3.63	63	323291	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	6.58	46	268636	54.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.68%
24) Chloroform-d	7.20	84	349941	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	7.90	65	148784	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	7.85	84	586846	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	8.90	67	178094	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	9.97	98	478006	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	10.23	79	58882	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	10.59	63	206939	47.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.70%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	81719	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	108285	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	352173	4.848 ug/L	98
3) Chloromethane	2.01	50	311722	4.360 ug/L	98
5) Vinyl chloride	2.17	62	299066	4.389 ug/L	93
6) Bromomethane	2.52	94	161758	4.489 ug/L	98
8) Chloroethane	2.66	64	167356	4.459 ug/L	99
9) Trichlorofluoromethane	2.94	101	132980	1.688 ug/L #	9
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	223159	4.680 ug/L	98
12) 1,1-Dichloroethene	3.63	96	231286	4.486 ug/L	97
13) Acetone	3.70	43	177106	68.052 ug/L	94
14) Carbon disulfide	3.93	76	747271	4.396 ug/L	99
15) Methyl Acetate	4.19	43	57373	5.067 ug/L	92
16) Methylene chloride	4.40	84	196208	4.485 ug/L	99
17) Methyl tert-butyl Ether	4.89	73	452275	4.517 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	289062	4.539 ug/L	98
19) 1,1-Dichloroethane	5.69	63	587168	4.555 ug/L	99
21) 2-Butanone	6.69	43	379748	53.899 ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	286711	4.520 ug/L #	100

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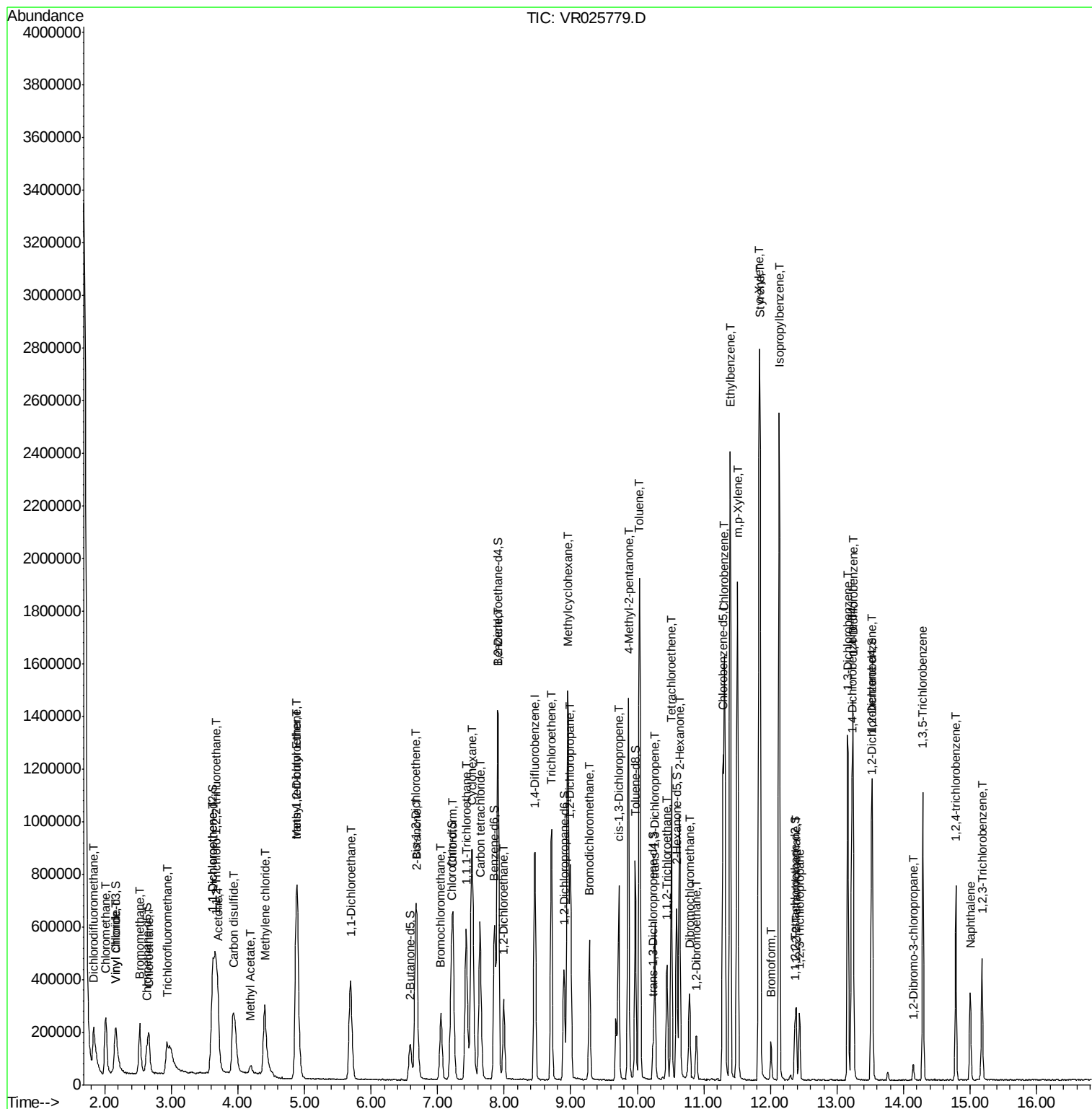
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	77055	4.465	ug/L	92
25) Chloroform	7.23	83	536451	4.502	ug/L	98
27) 1,2-Dichloroethane	7.99	62	281482	4.710	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	517549	4.729	ug/L	99
30) Cyclohexane	7.52	56	595979	4.908	ug/L	99
31) Carbon tetrachloride	7.63	117	448972	4.745	ug/L	99
33) Benzene	7.91	78	1227004	4.875	ug/L	100
34) Trichloroethene	8.71	95	332083	4.771	ug/L	97
35) Methylcyclohexane	8.95	83	564743	4.943	ug/L	98
37) 1,2-Dichloropropane	9.00	63	272625	4.970	ug/L	99
38) Bromodichloromethane	9.28	83	321557	4.708	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	376635	4.966	ug/L	97
40) 4-Methyl-2-pentanone	9.87	43	939163	48.427	ug/L	99
42) Toluene	10.03	91	1250536	4.898	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	276137	4.951	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	117288	4.924	ug/L	97
47) Tetrachloroethene	10.51	164	196404	4.763	ug/L	96
48) 2-Hexanone	10.63	43	611306	47.356	ug/L	98
49) Dibromochloromethane	10.79	129	142903	4.805	ug/L	97
50) 1,2-Dibromoethane	10.89	107	101715	4.687	ug/L	96
51) Chlorobenzene	11.32	112	653136	4.680	ug/L	99
52) Ethylbenzene	11.39	91	1469914	4.921	ug/L	99
53) m,p-Xylene	11.50	106	526289	4.768	ug/L	97
54) o-Xylene	11.83	106	474874	4.663	ug/L	96
55) Styrene	11.84	104	736211	4.669	ug/L	96
56) Isopropylbenzene	12.13	105	1373757	4.868	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	113232	4.560	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	90014	4.543	ug/L	99
61) Bromoform	12.01	173	53012	4.715	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	396861	4.712	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	382719	4.826	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	298730	4.760	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	14828	4.070	ug/L	90
67) 1,3,5-Trichlorobenzene	14.29	180	236390	4.933	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	150390	4.791	ug/L	100
69) Naphthalene	15.00	128	221028	4.705	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	103185	4.591	ug/L	99

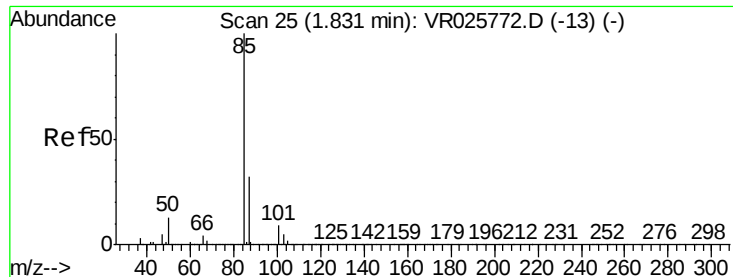
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.848 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.00 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

Instrument :

MSVOA_R

ClientSampleId :

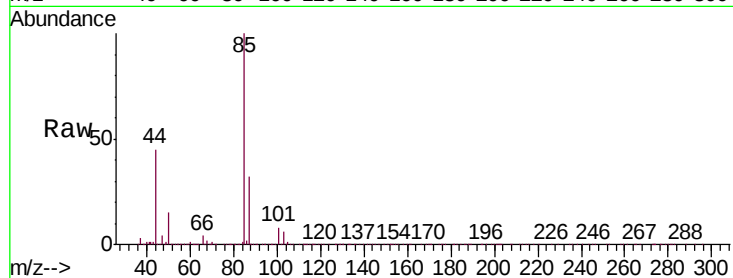
VSTD00517

Tgt Ion: 85 Resp: 352173

Ion Ratio Lower Upper

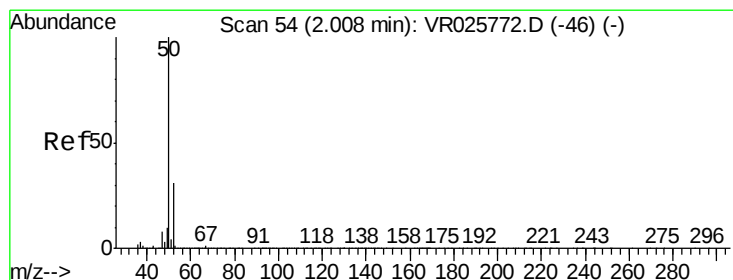
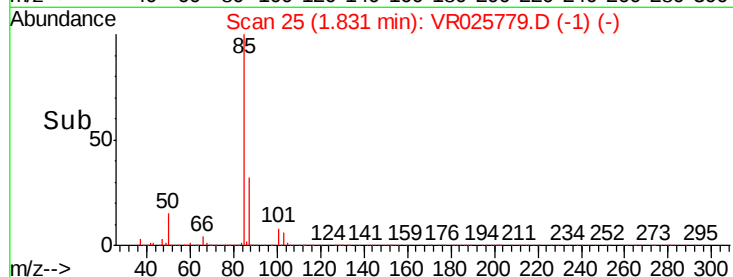
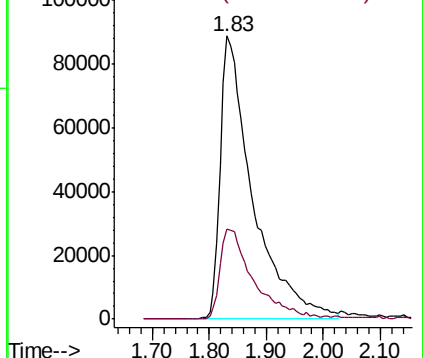
85 100

87 31.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.360 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.01 min

Lab File: VR025779.D

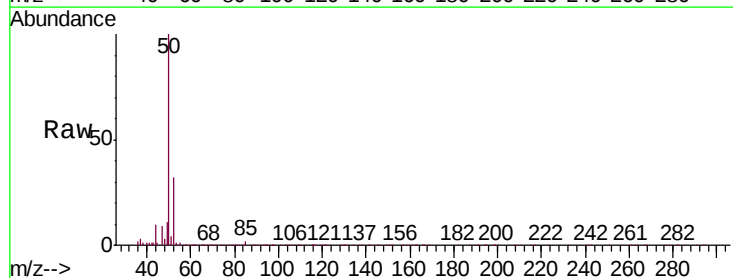
Acq: 20 Sep 2018 16:57

Tgt Ion: 50 Resp: 311722

Ion Ratio Lower Upper

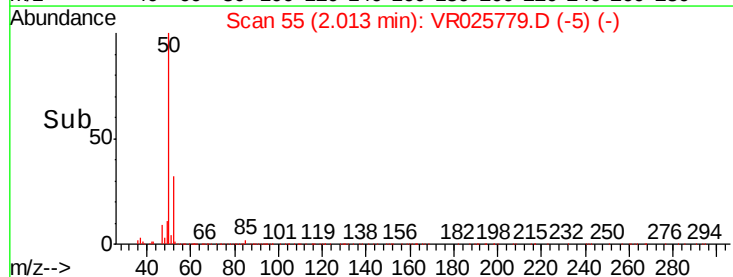
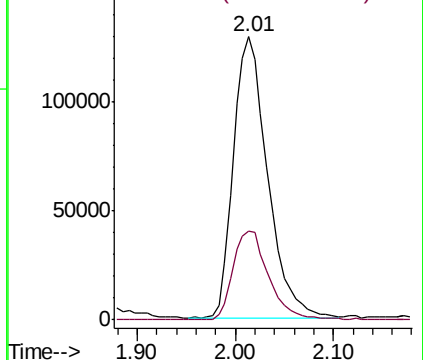
50 100

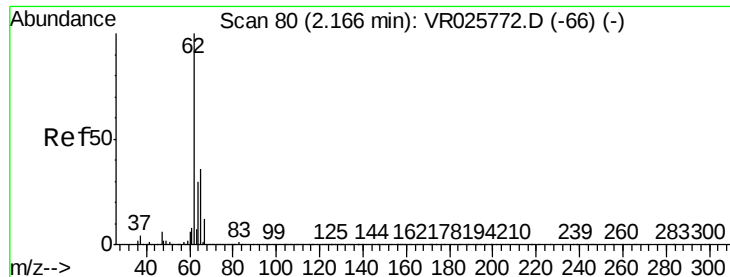
52 31.6 21.3 39.6



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.389 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR025779.D

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Instrument :

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ClientSampleId :

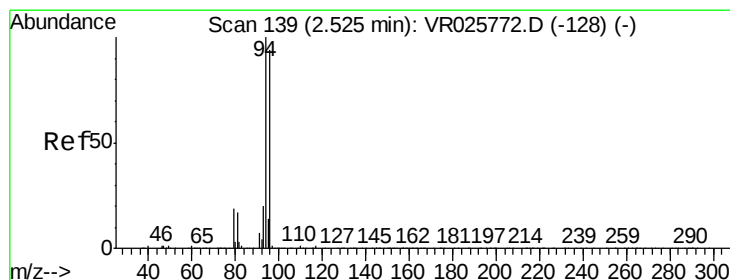
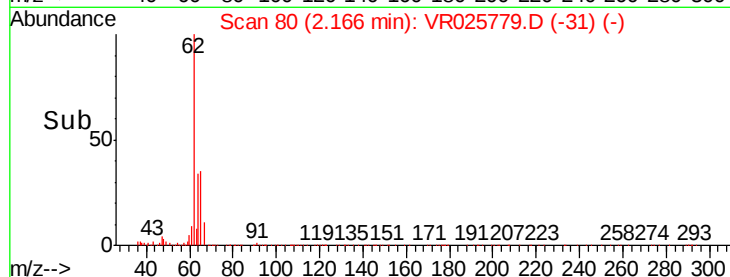
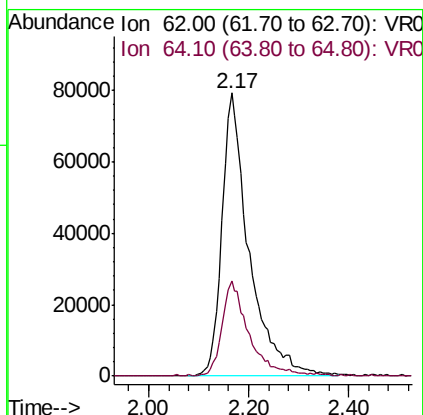
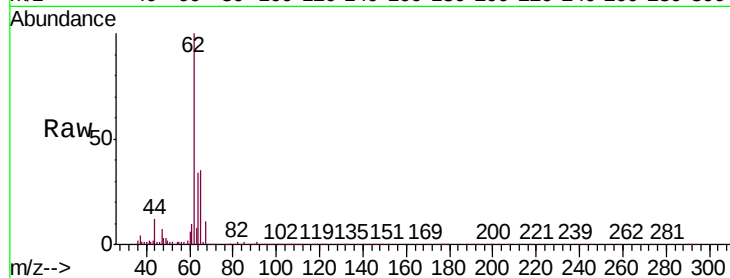
VSTD00517

Tgt Ion: 62 Resp: 299066

Ion Ratio Lower Upper

62 100

64 33.6 20.9 38.9



#6

Bromomethane

Concen: 4.489 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR025779.D

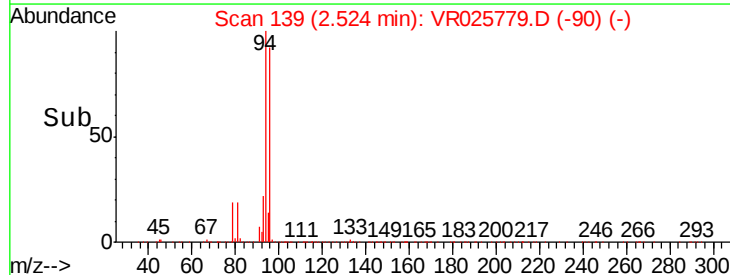
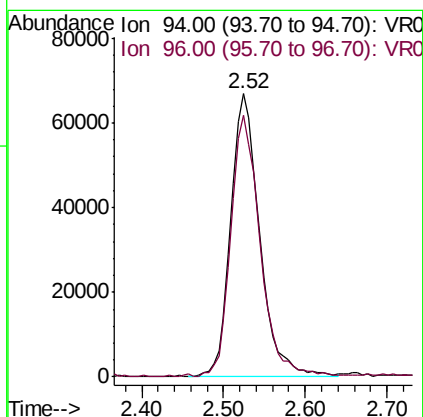
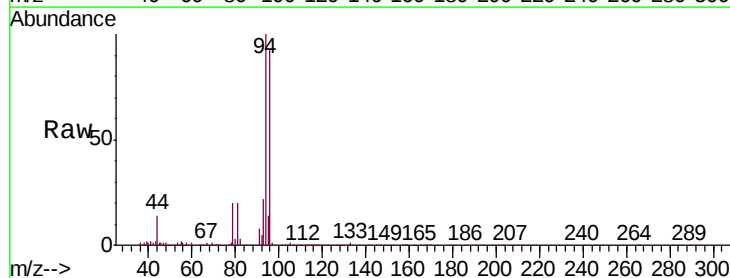
Acq: 20 Sep 2018 16:57

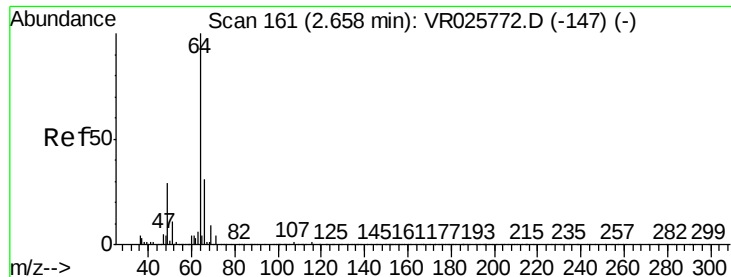
Tgt Ion: 94 Resp: 161758

Ion Ratio Lower Upper

94 100

96 92.6 66.1 122.7

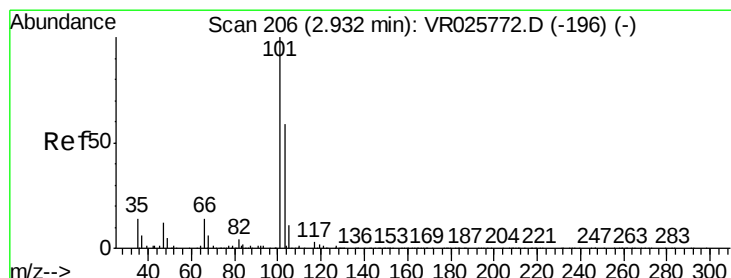
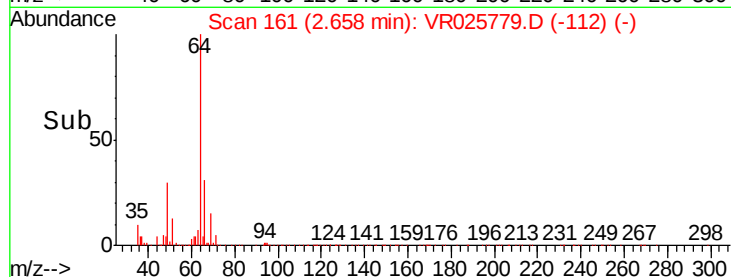
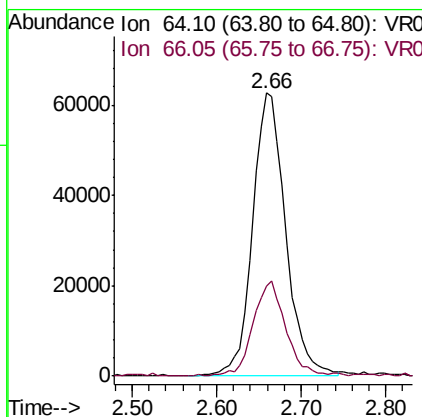
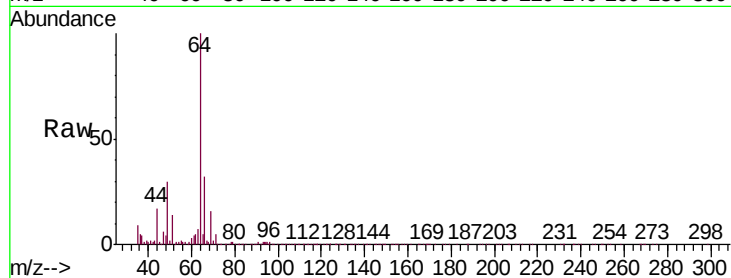




#8
Chloroethane
Concen: 4.459 ug/L
RT: 2.66 min Scan# 161
Delta R.T. -0.00 min
Lab File: VR025779.D
Acq: 20 Sep 2018 16:57

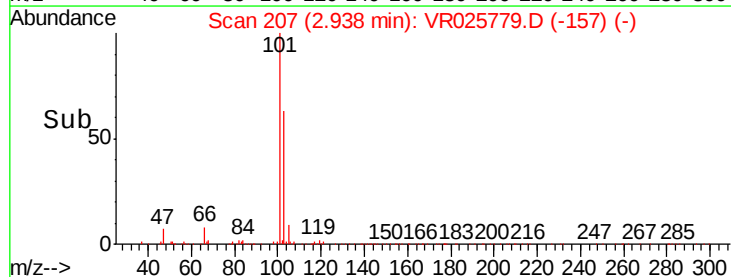
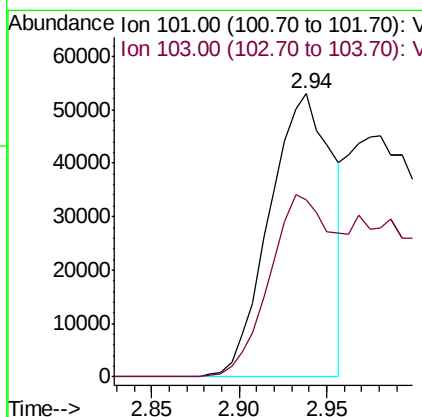
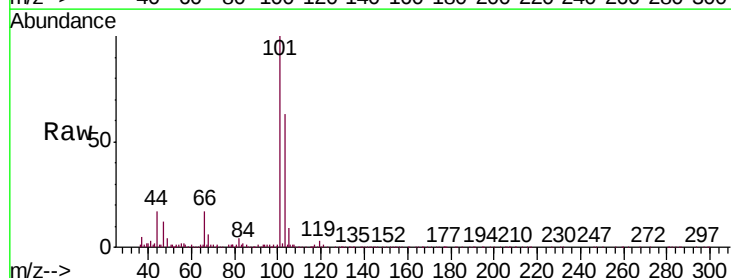
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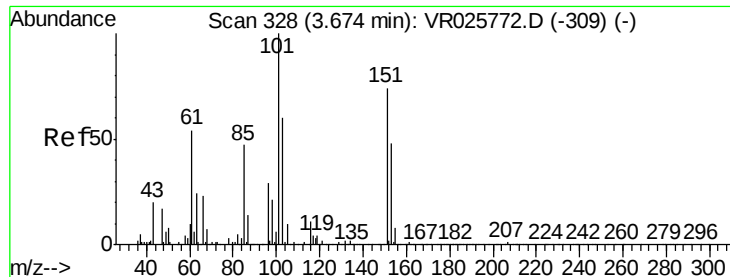
Tgt Ion: 64 Resp: 167356
Ion Ratio Lower Upper
64 100
66 31.8 21.9 40.7



#9
Trichlorofluoromethane
Concen: 1.688 ug/L
RT: 2.94 min Scan# 207
Delta R.T. 0.01 min
Lab File: VR025779.D
Acq: 20 Sep 2018 16:57

Tgt Ion: 101 Resp: 132980
Ion Ratio Lower Upper
101 100
103 71.0 20.2 30.2#





#10

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

Concen: 4.680 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.01 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

Instrument :

MSVOA_R

ClientSampleId :

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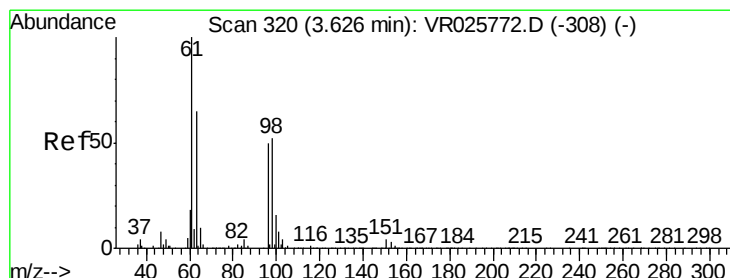
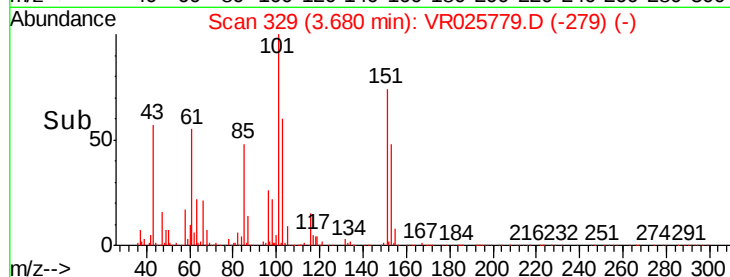
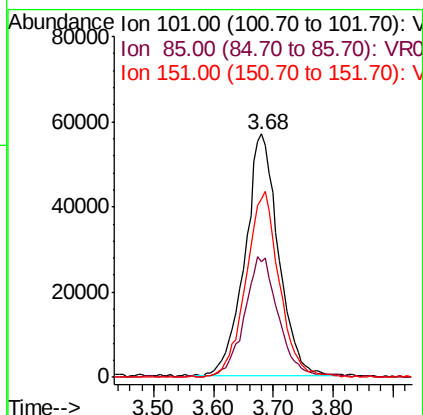
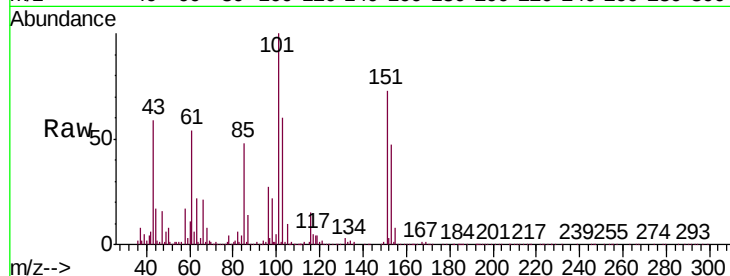
Tgt Ion: 101 Resp: 223159

Ion Ratio Lower Upper

101 100

85 49.5 37.6 56.4

151 75.9 60.9 91.3



#12

1,1-Dichloroethene

Concen: 4.486 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.00 min

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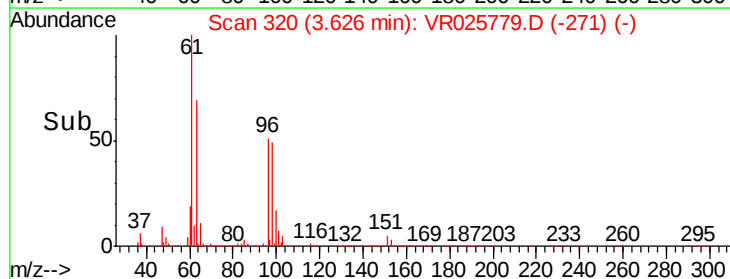
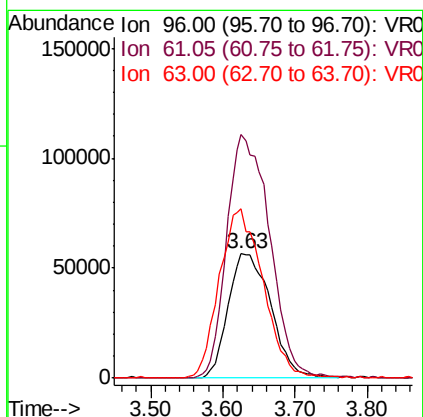
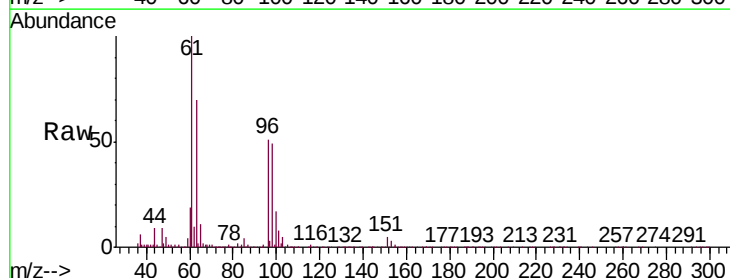
Tgt Ion: 96 Resp: 231286

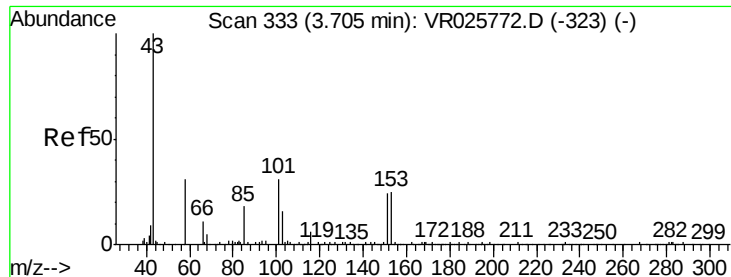
Ion Ratio Lower Upper

96 100

61 196.1 138.7 257.7

63 136.6 90.9 168.7





#13

Acetone

Concen: 68.052 ug/L

RT: 3.70 min Scan# 333

Delta R.T. -0.00 min

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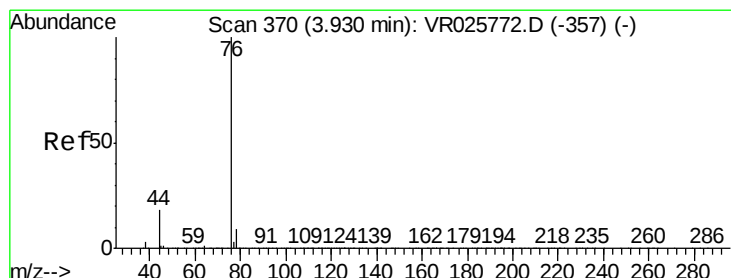
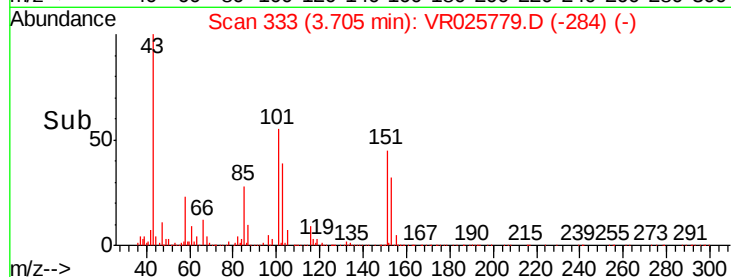
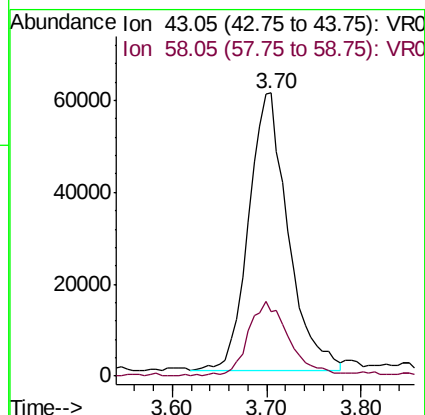
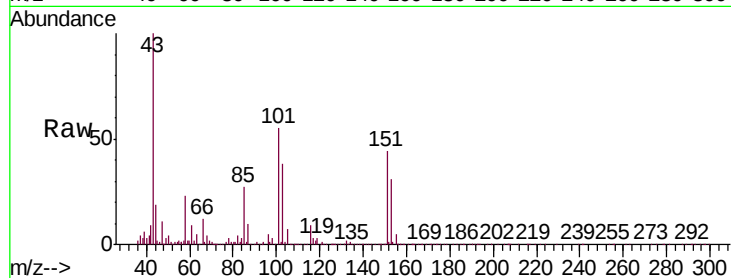
VSTD00517

Tgt Ion: 43 Resp: 177106

Ion Ratio Lower Upper

43 100

58 28.3 0.0 63.0



#14

Carbon disulfide

Concen: 4.396 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.00 min

Lab File: VR025779.D

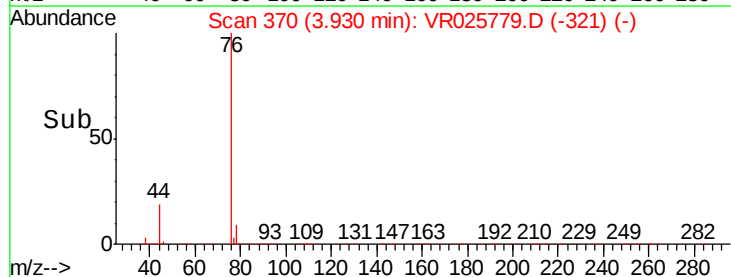
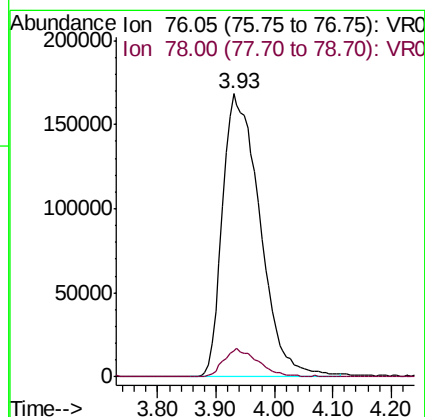
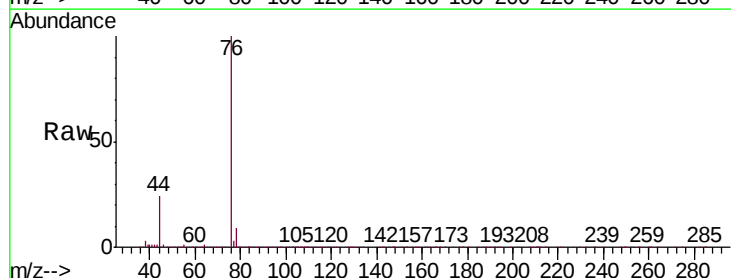
Acq: 20 Sep 2018 16:57

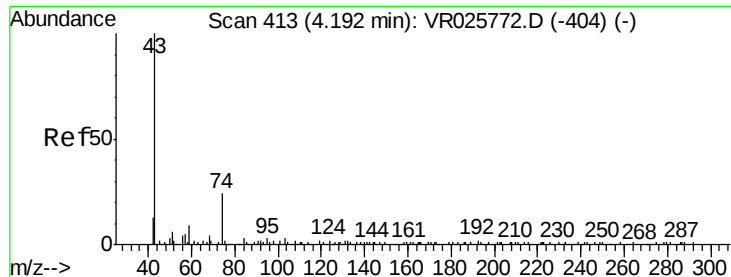
Tgt Ion: 76 Resp: 747271

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

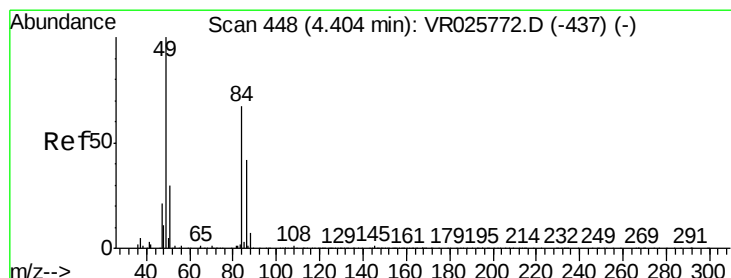
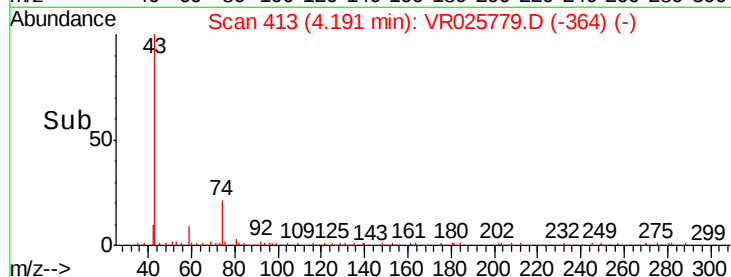
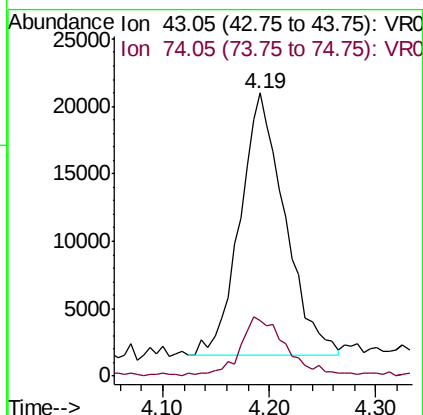
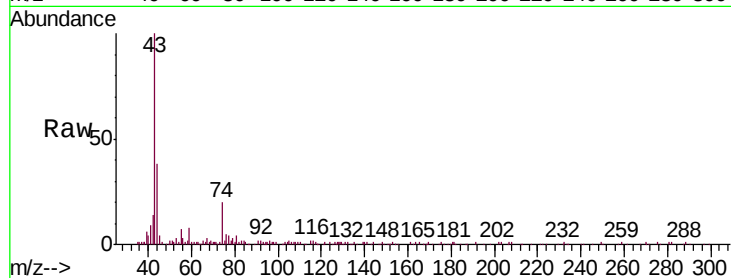




#15
Methyl Acetate
Concen: 5.067 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.00 min
Lab File: VR025779.D
Acq: 20 Sep 2018 16:57

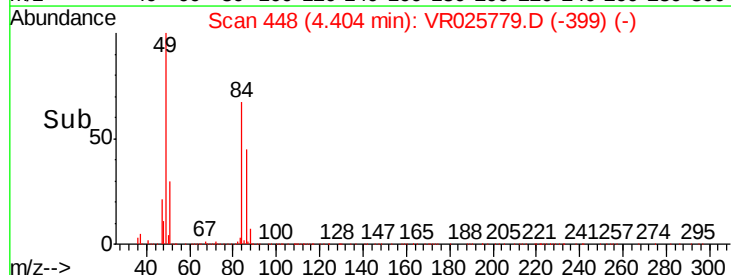
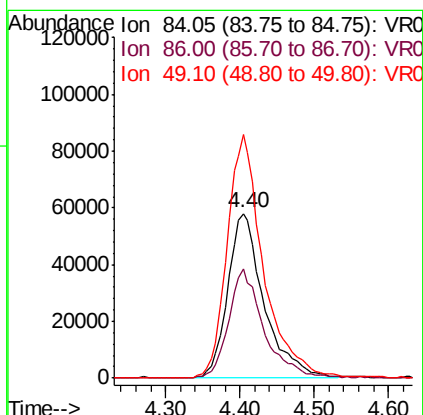
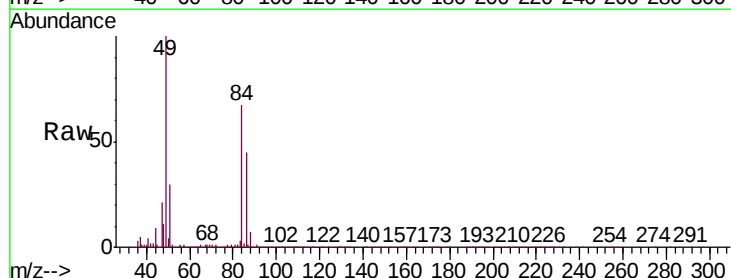
Instrument :
MSVOA_R
ClientSampleId :
VSTD00517

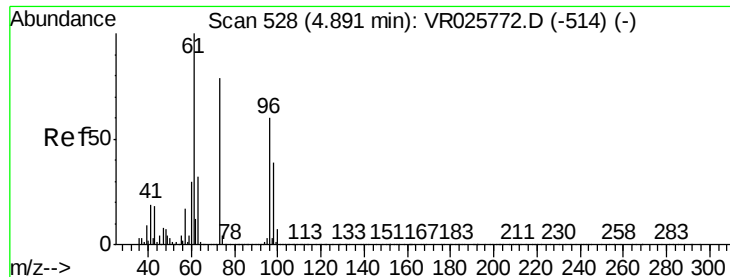
Tgt Ion: 43 Resp: 57373
Ion Ratio Lower Upper
43 100
74 22.0 21.1 31.7



#16
Methylene chloride
Concen: 4.485 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR025779.D
Acq: 20 Sep 2018 16:57

Tgt Ion: 84 Resp: 196208
Ion Ratio Lower Upper
84 100
86 66.4 44.2 82.0
49 148.2 103.9 192.9



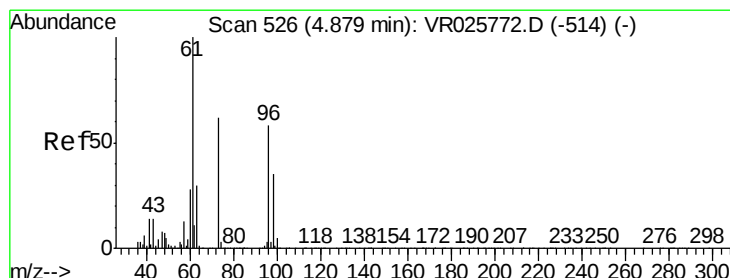
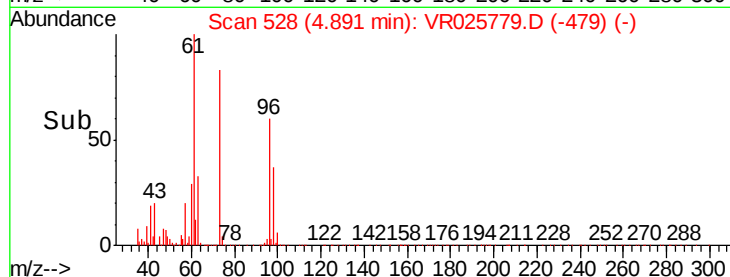
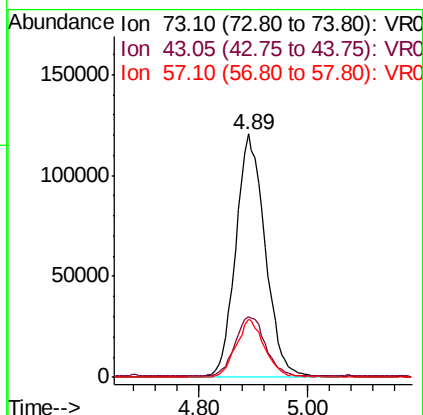
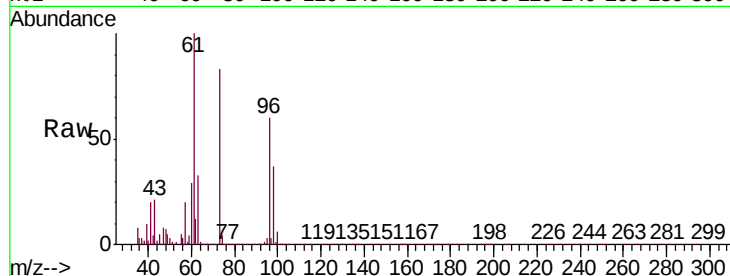


#17

Methyl tert-butyl Ether
 Concen: 4.517 ug/L
 RT: 4.89 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00517

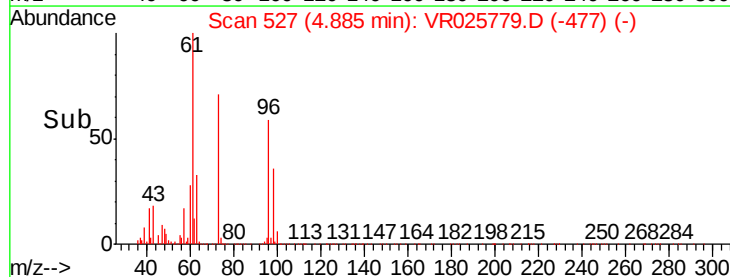
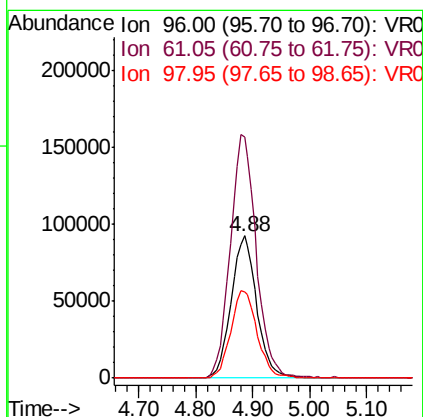
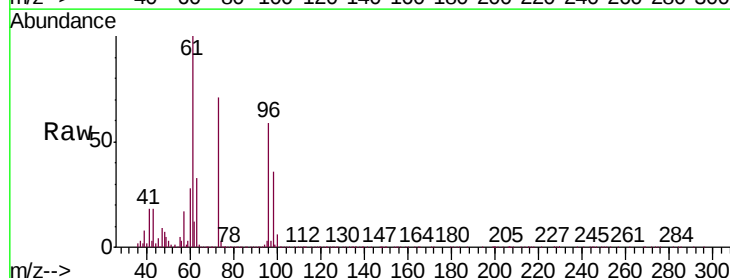
Tgt Ion: 73 Resp: 452275
 Ion Ratio Lower Upper
 73 100
 43 25.2 20.4 30.6
 57 22.7 17.8 26.6

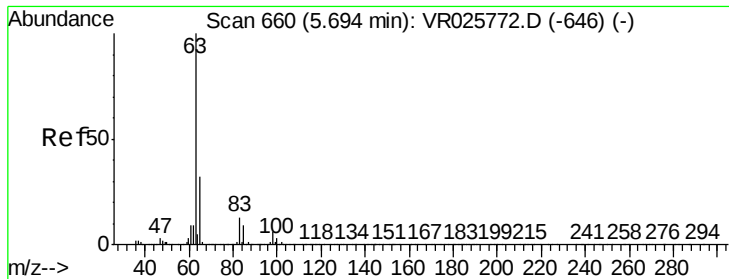


#18

trans-1,2-Dichloroethene
 Concen: 4.539 ug/L
 RT: 4.88 min Scan# 527
 Delta R.T. 0.01 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

Tgt Ion: 96 Resp: 289062
 Ion Ratio Lower Upper
 96 100
 61 169.5 121.4 225.6
 98 60.6 42.7 79.3

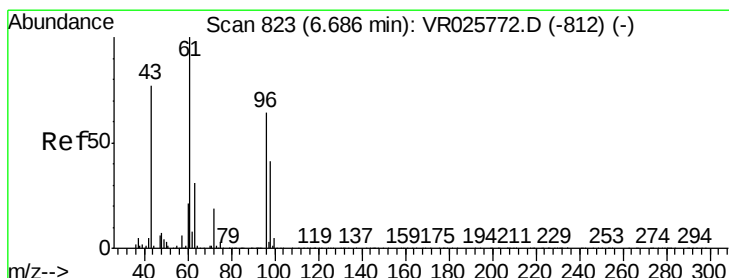
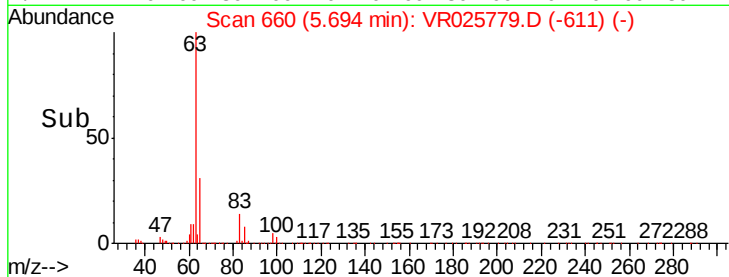
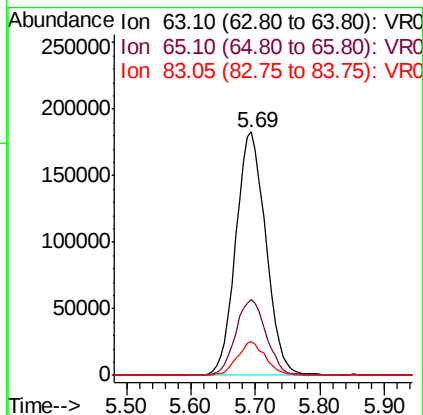
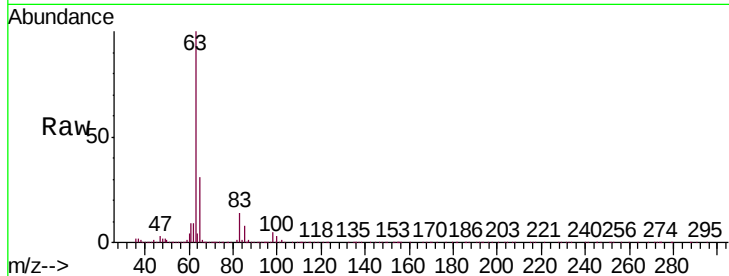




#19
 1,1-Dichloroethane
 Concen: 4.555 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

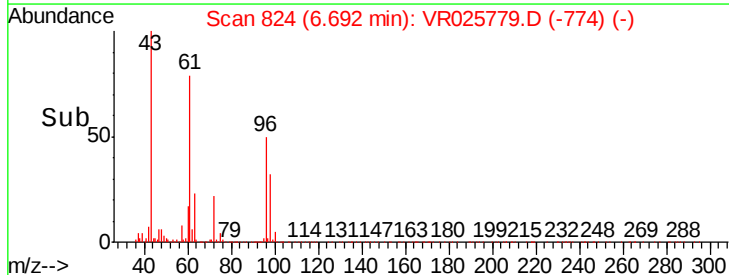
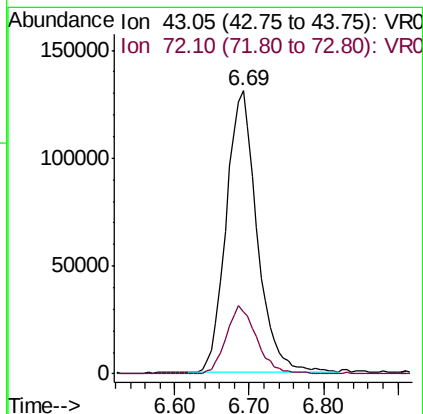
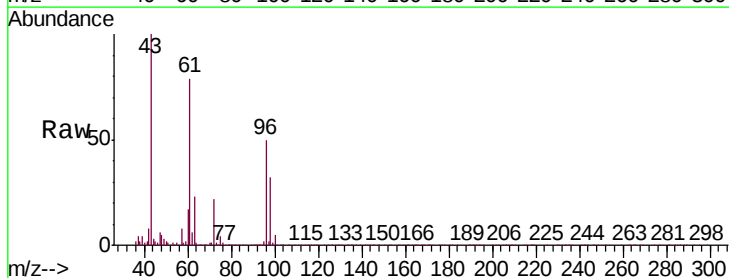
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00517

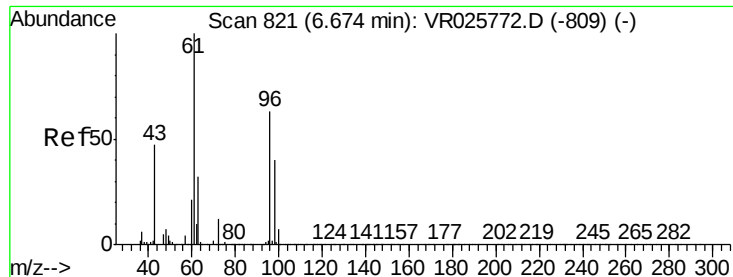
Tgt Ion: 63 Resp: 587168
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.7 42.1
 83 13.6 9.3 17.3



#21
 2-Butanone
 Concen: 53.899 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

Tgt Ion: 43 Resp: 379748
 Ion Ratio Lower Upper
 43 100
 72 23.9 12.4 37.0



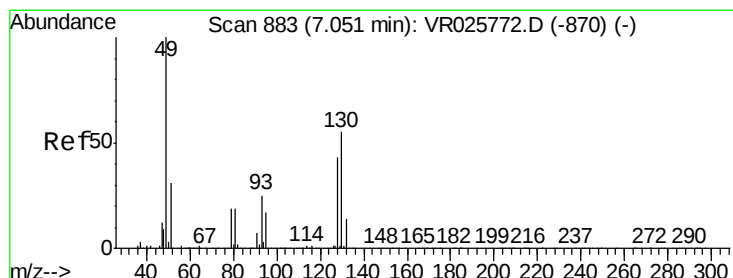
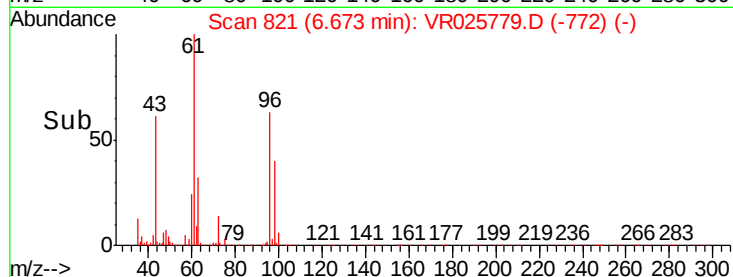
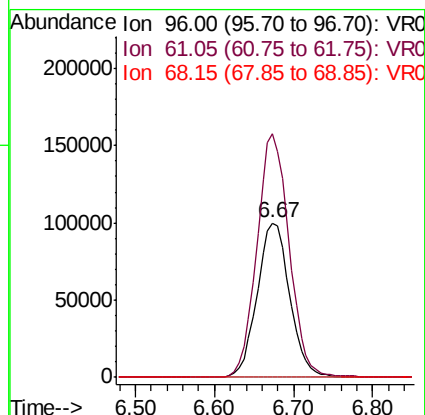
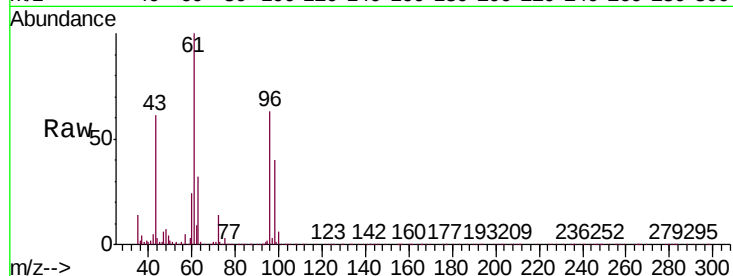


#22

cis-1,2-Dichloroethene
Concen: 4.520 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR025779.D
Acq: 20 Sep 2018 16:57

Instrument :
MSVOA_R
ClientSampleId :
VSTD00517

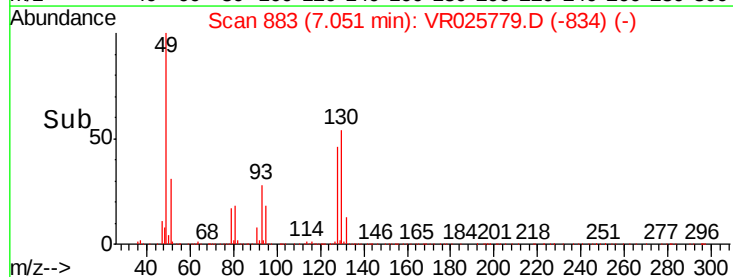
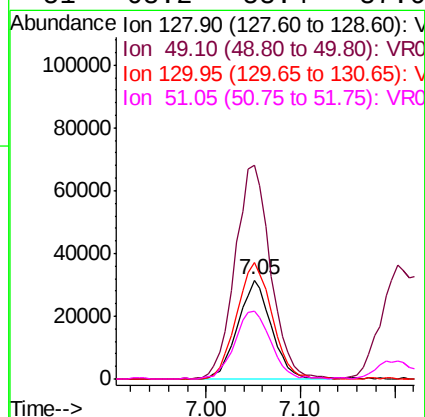
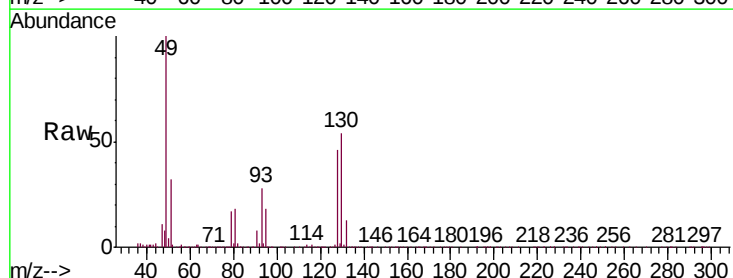
Tgt Ion: 96 Resp: 286711
Ion Ratio Lower Upper
96 100
61 158.1 110.8 205.8
68 0.2 0.1 0.1#

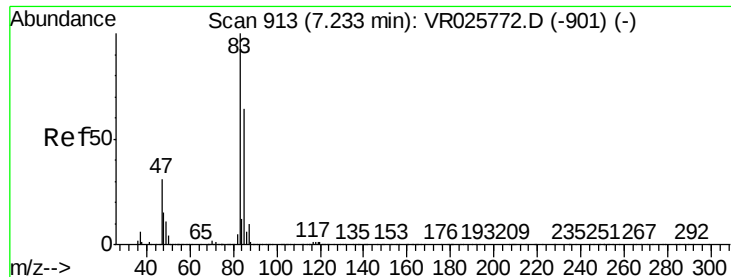


#23

Bromochloromethane
Concen: 4.465 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.00 min
Lab File: VR025779.D
Acq: 20 Sep 2018 16:57

Tgt Ion: 128 Resp: 77055
Ion Ratio Lower Upper
128 100
49 216.5 161.5 299.9
130 117.5 89.5 166.1
51 68.2 58.4 87.6





#25

Chloroform

Concen: 4.502 ug/L

RT: 7.23 min Scan# 912

Delta R.T. -0.01 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

Instrument :

MSVOA_R

ClientSampleId :

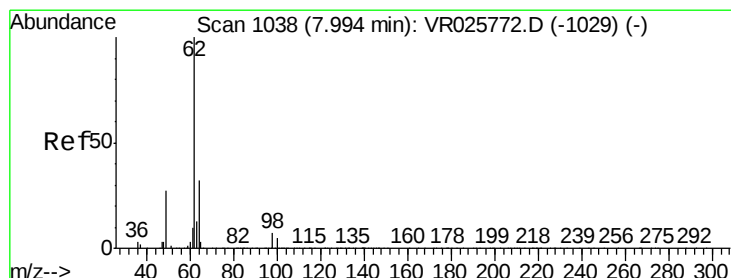
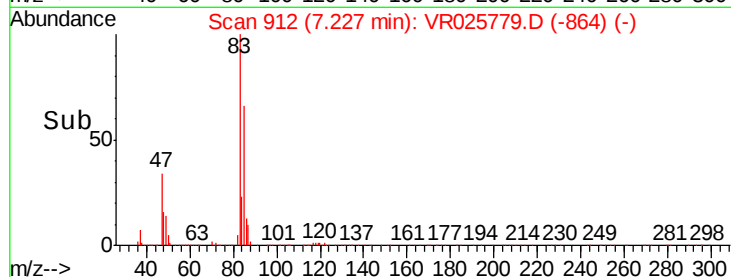
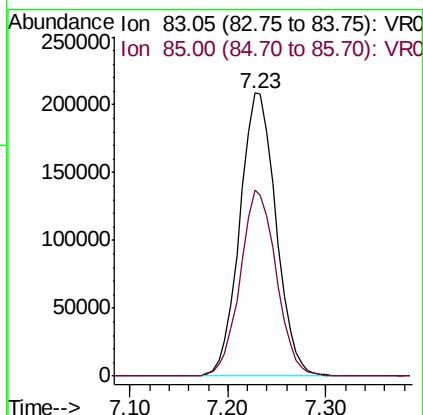
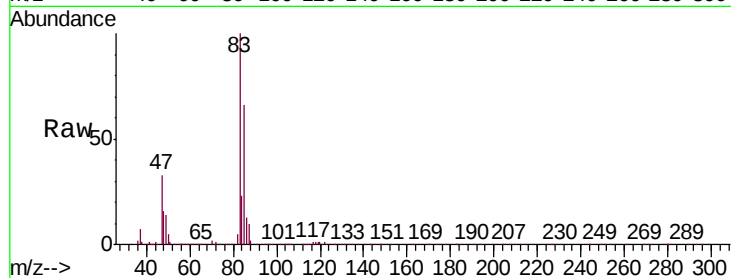
VSTD00517

Tgt Ion: 83 Resp: 536451

Ion Ratio Lower Upper

83 100

85 65.7 44.8 83.2



#27

1,2-Dichloroethane

Concen: 4.710 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR025779.D

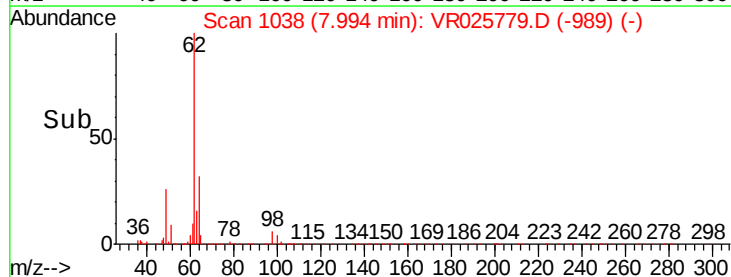
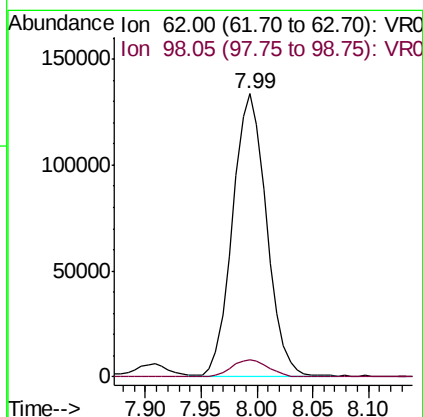
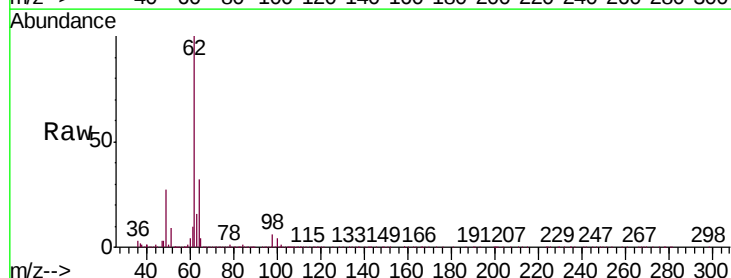
Acq: 20 Sep 2018 16:57

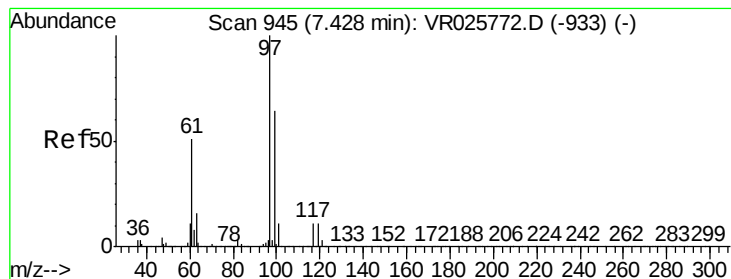
Tgt Ion: 62 Resp: 281482

Ion Ratio Lower Upper

62 100

98 6.2 5.5 8.3





#29

1,1,1-Trichloroethane

Concen: 4.729 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.00 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

Instrument :

MSVOA_R

ClientSampleId :

VSTD00517

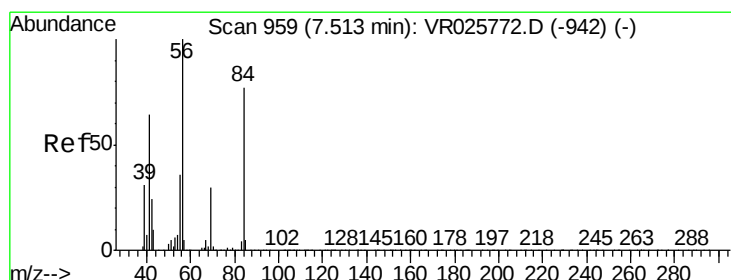
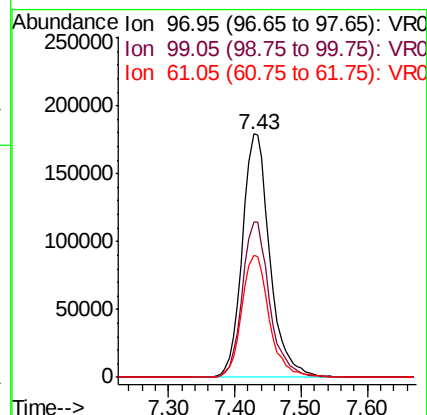
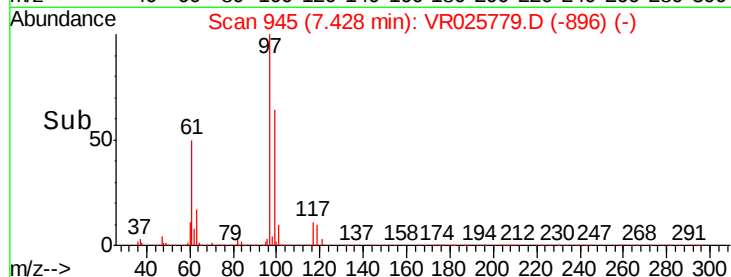
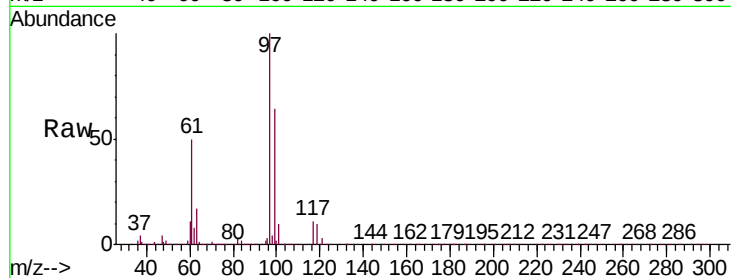
Tgt Ion: 97 Resp: 517549

Ion Ratio Lower Upper

97 100

99 63.4 51.0 76.6

61 50.1 40.4 60.6



#30

Cyclohexane

Concen: 4.908 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.01 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

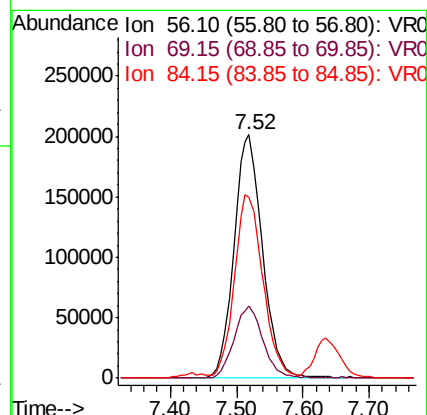
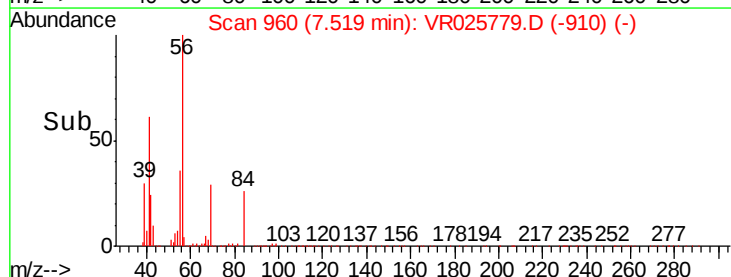
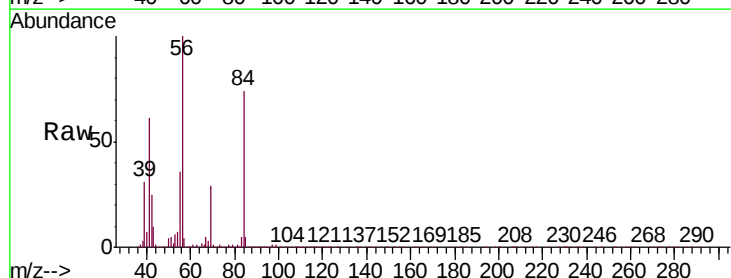
Tgt Ion: 56 Resp: 595979

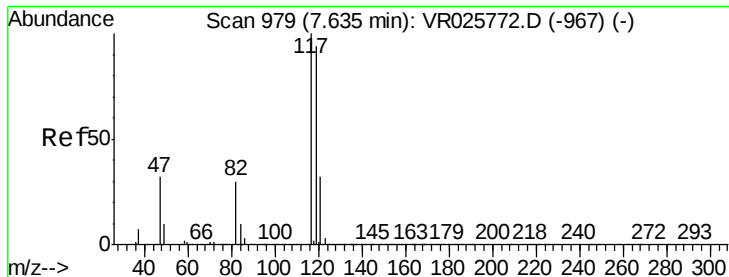
Ion Ratio Lower Upper

56 100

69 29.9 24.0 36.0

84 75.9 60.2 90.4





#31

Carbon tetrachloride

Concen: 4.745 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

Instrument :

MSVOA_R

ClientSampleId :

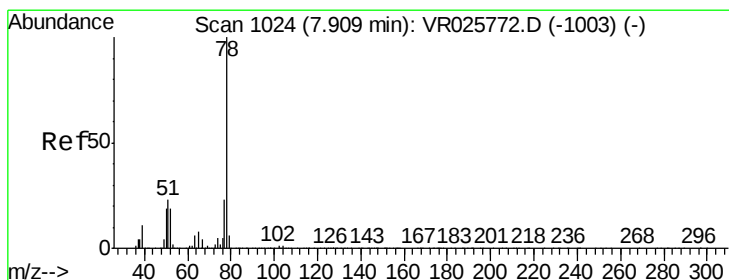
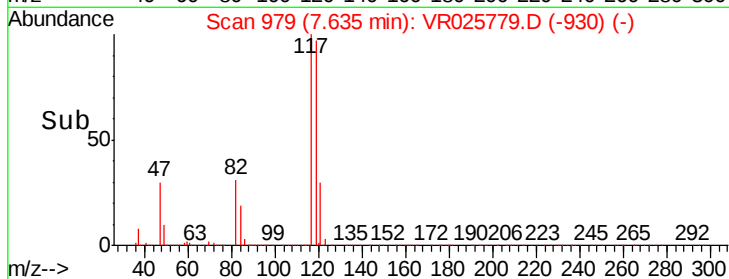
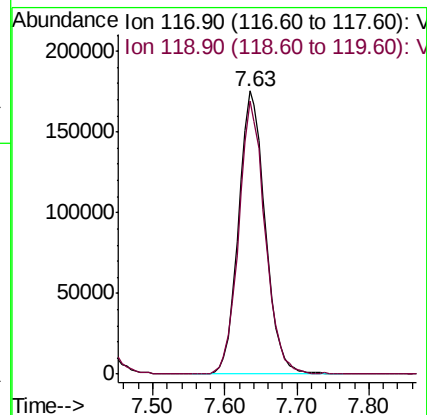
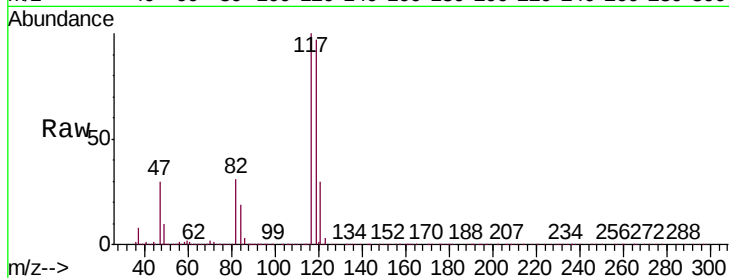
VSTD00517

Tgt Ion:117 Resp: 448972

Ion Ratio Lower Upper

117 100

119 95.0 76.5 114.7



#33

Benzene

Concen: 4.875 ug/L

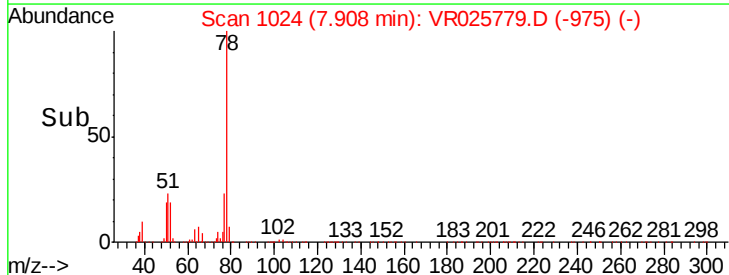
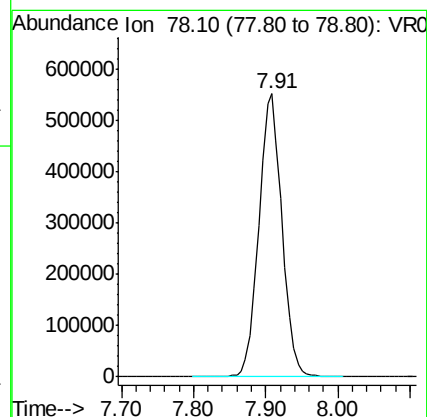
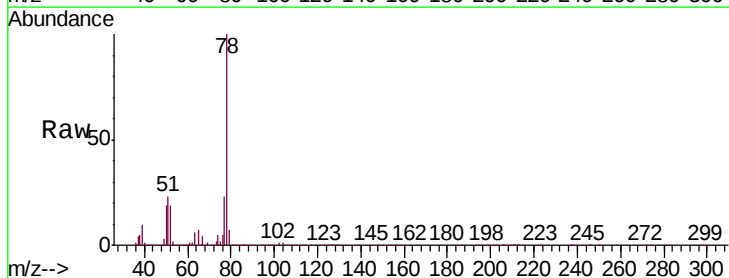
RT: 7.91 min Scan# 1024

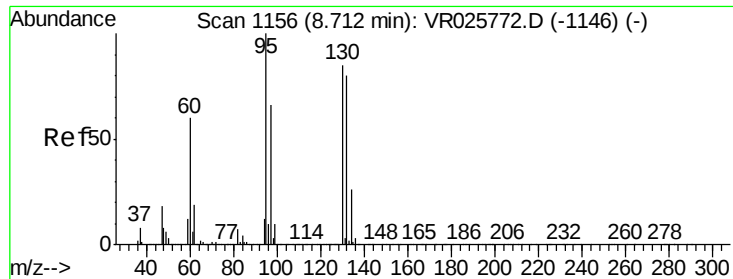
Delta R.T. -0.00 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

Tgt Ion: 78 Resp: 1227004

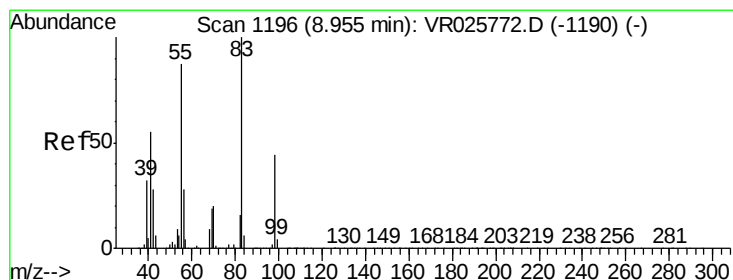
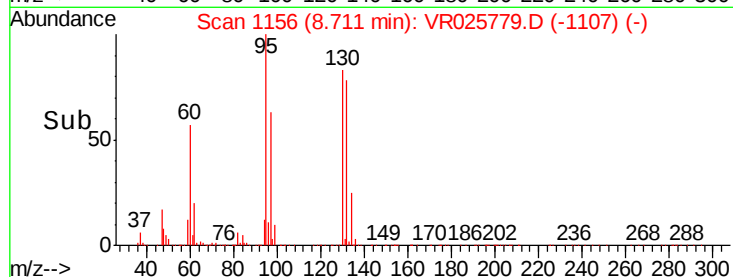
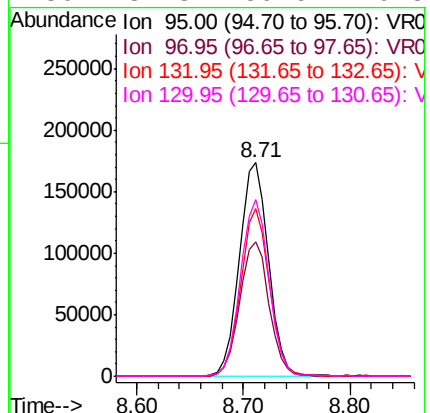
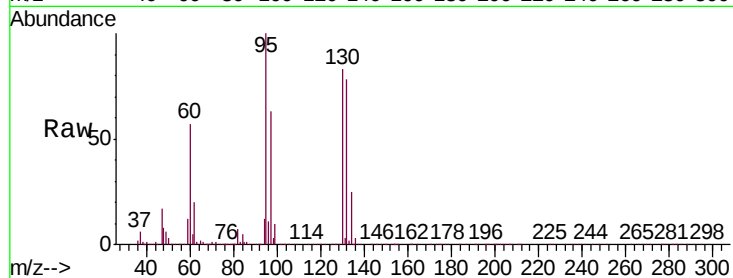




#34
 Trichloroethene
 Concen: 4.771 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

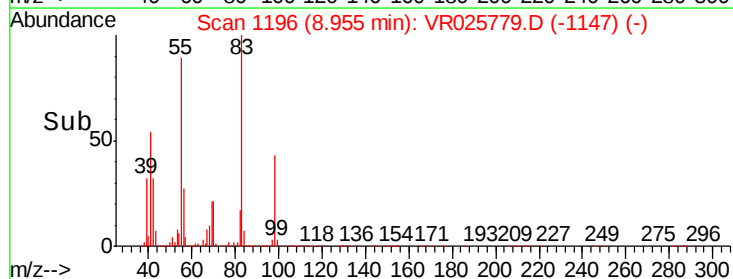
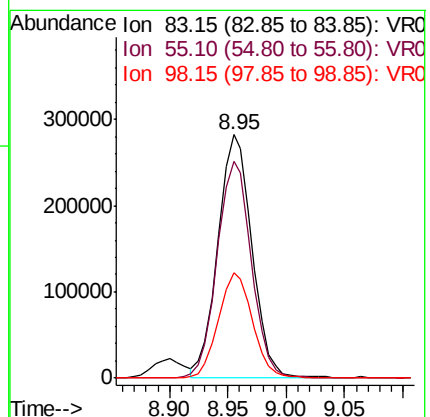
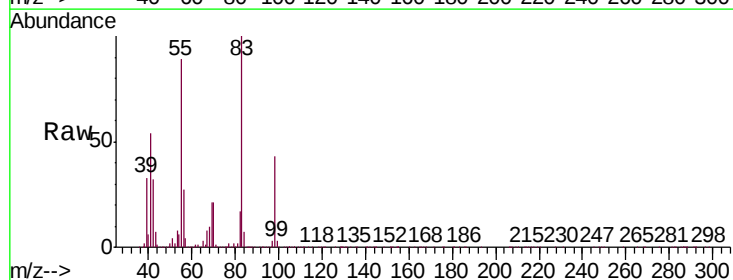
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00517

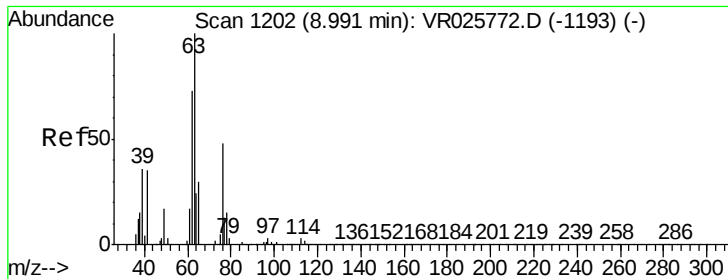
Tgt Ion: 95 Resp: 332083
 Ion Ratio Lower Upper
 95 100
 97 62.8 46.2 85.8
 132 78.3 56.0 104.0
 130 82.8 59.6 110.8



#35
 Methylcyclohexane
 Concen: 4.943 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

Tgt Ion: 83 Resp: 564743
 Ion Ratio Lower Upper
 83 100
 55 89.9 70.3 105.5
 98 44.1 34.4 51.6





#37

1,2-Dichloropropane

Concen: 4.970 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

Instrument :

MSVOA_R

ClientSampleId :

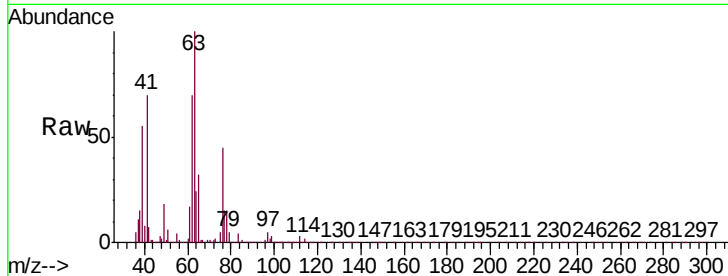
VSTD00517

Tgt Ion: 63 Resp: 272625

Ion Ratio Lower Upper

63 100

112 3.4 3.0 4.6



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V

9.00

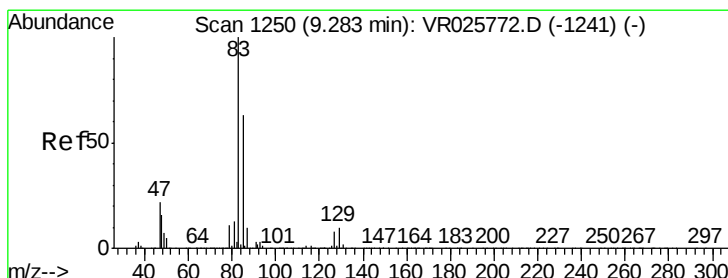
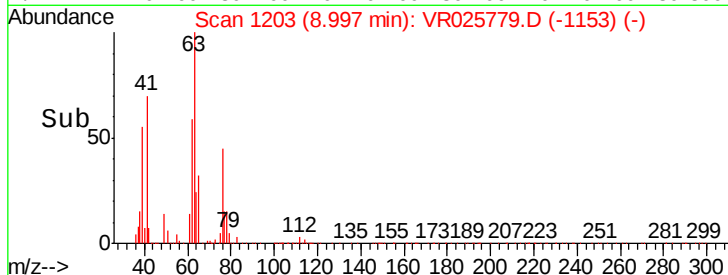
150000

100000

50000

0

Time-->



#38

Bromodichloromethane

Concen: 4.708 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

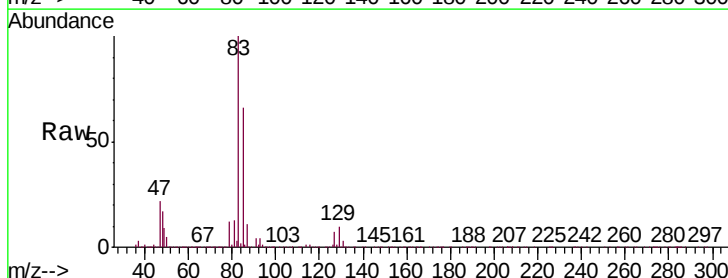
Tgt Ion: 83 Resp: 321557

Ion Ratio Lower Upper

83 100

85 66.0 44.2 82.0

127 7.3 6.0 9.0



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

9.28

200000

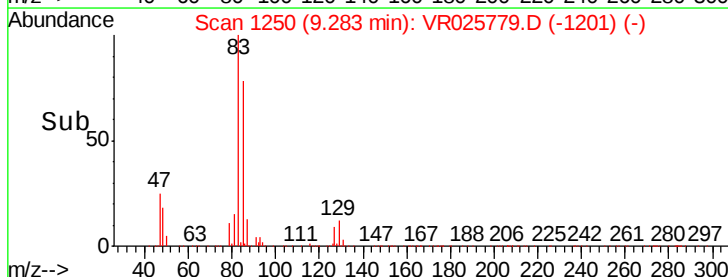
150000

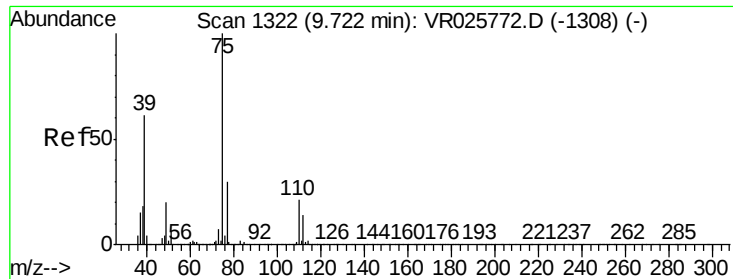
100000

50000

0

Time-->

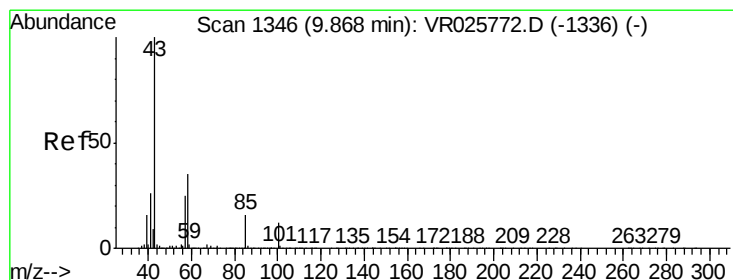
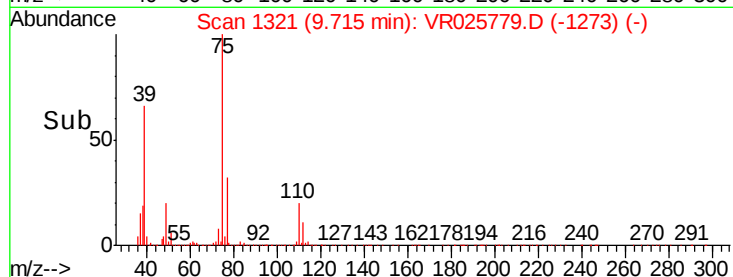
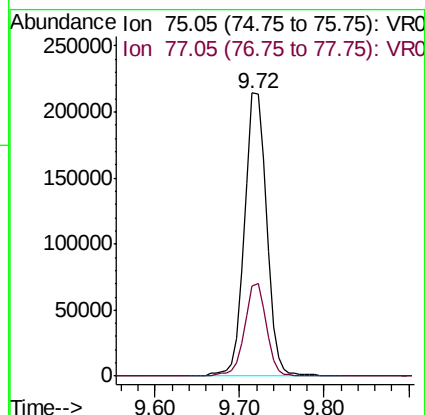
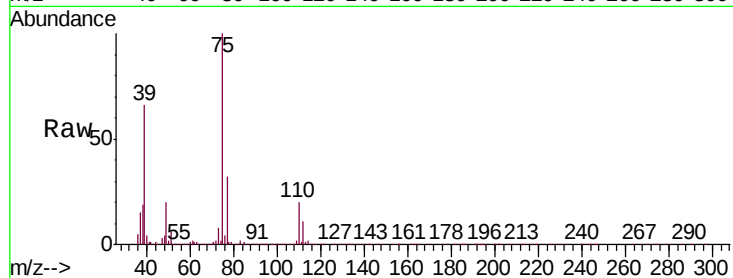




#39
 cis-1,3-Dichloropropene
 Concen: 4.966 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

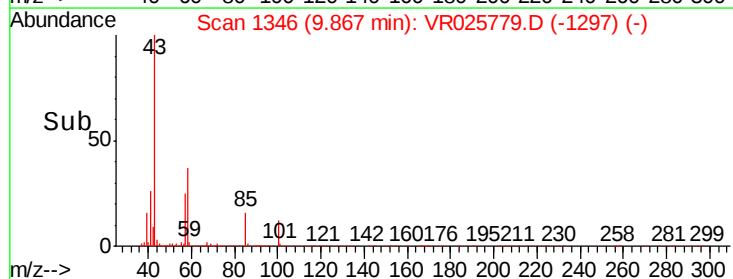
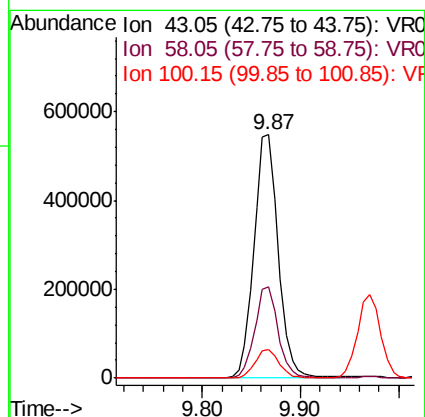
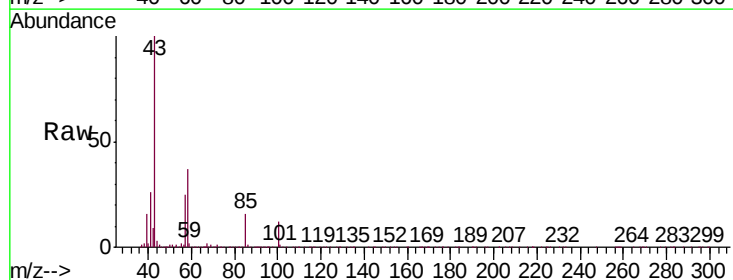
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00517

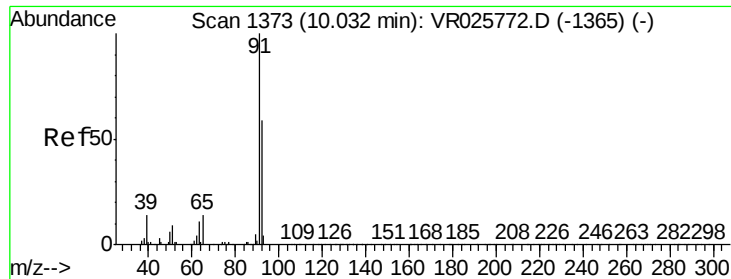
Tgt Ion: 75 Resp: 376635
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 48.427 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

Tgt Ion: 43 Resp: 939163
 Ion Ratio Lower Upper
 43 100
 58 36.2 28.3 42.5
 100 11.7 9.3 13.9





#42

Toluene

Concen: 4.898 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

Instrument :

MSVOA_R

ClientSampleId :

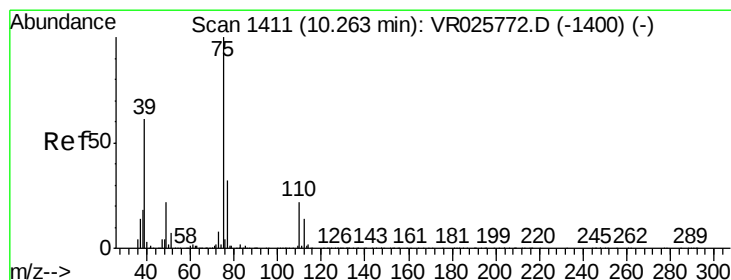
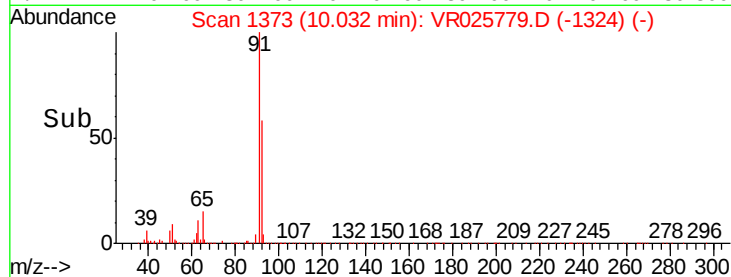
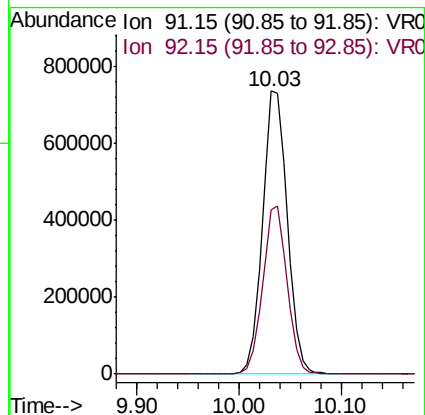
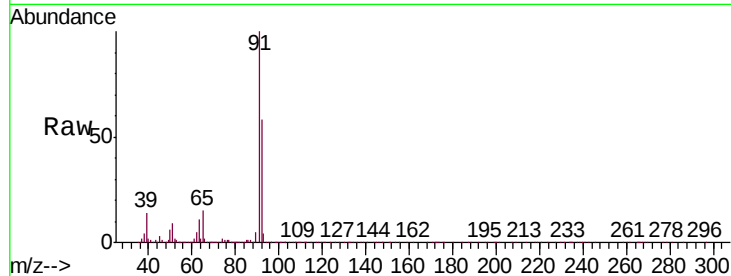
VSTD00517

Tgt Ion: 91 Resp: 1250536

Ion Ratio Lower Upper

91 100

92 57.8 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 4.951 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025779.D

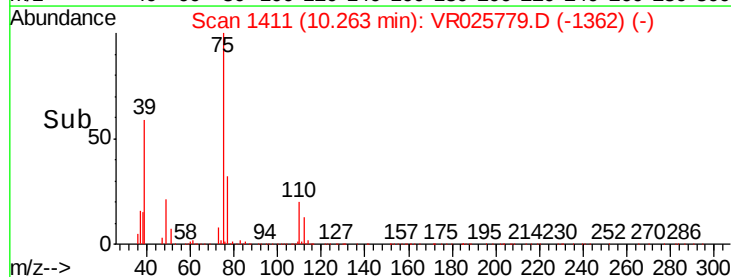
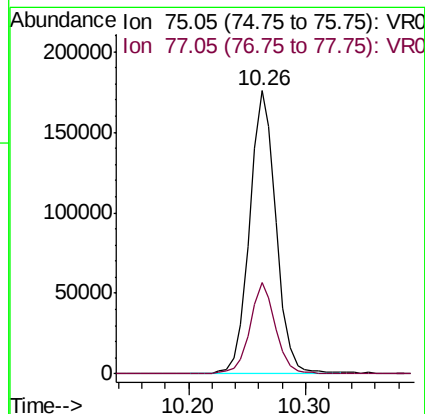
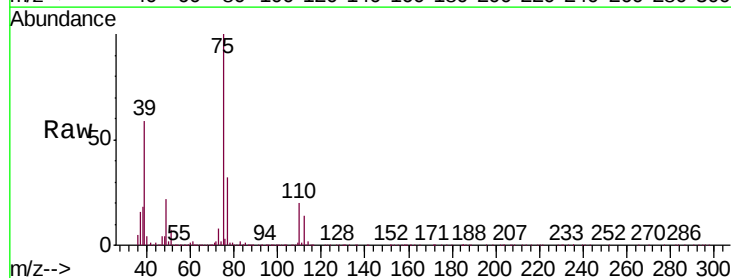
Acq: 20 Sep 2018 16:57

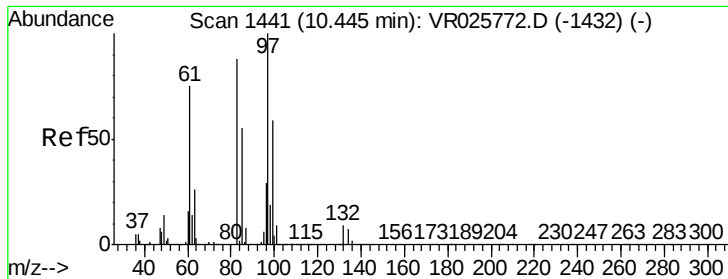
Tgt Ion: 75 Resp: 276137

Ion Ratio Lower Upper

75 100

77 32.3 22.6 42.0

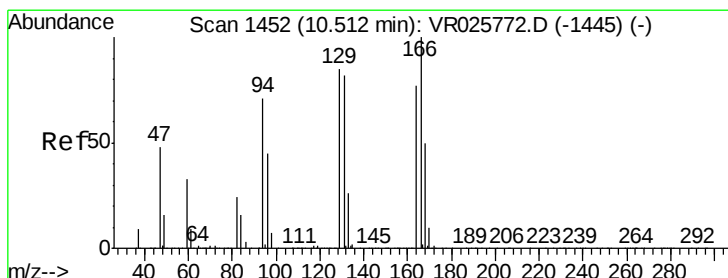
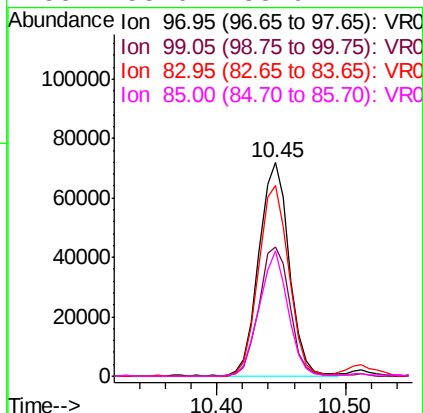
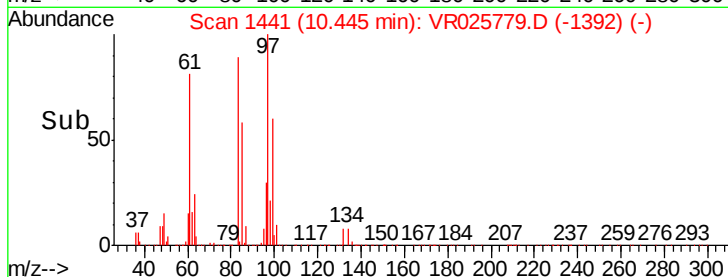
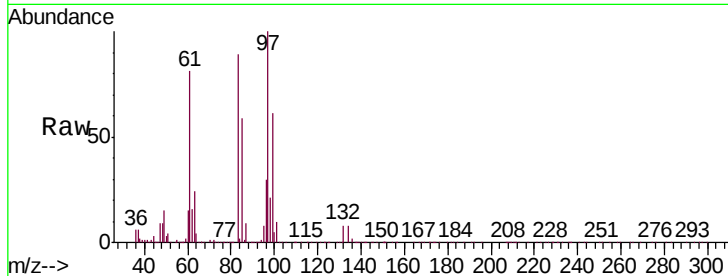




#45
 1,1,2-Trichloroethane
 Concen: 4.924 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

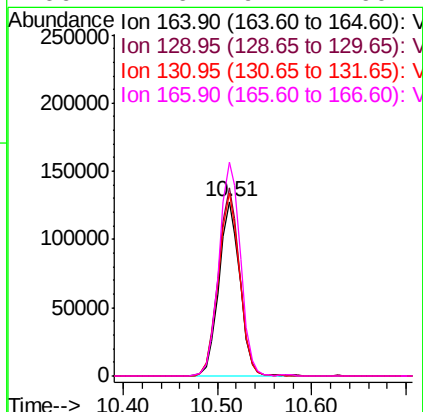
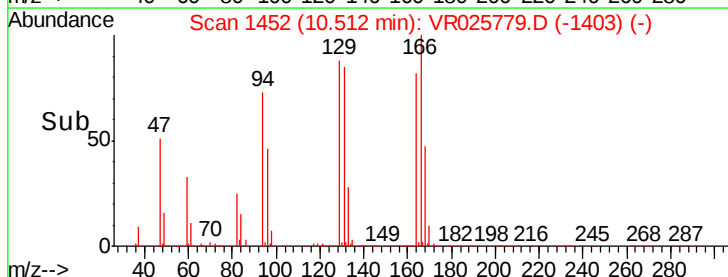
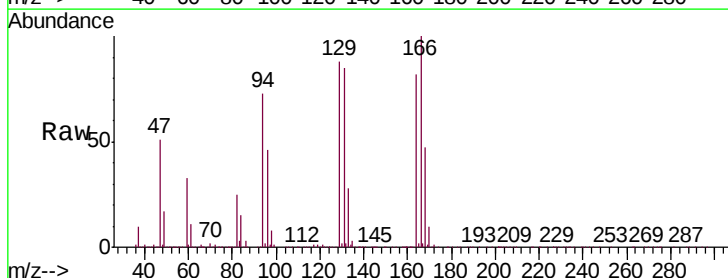
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00517

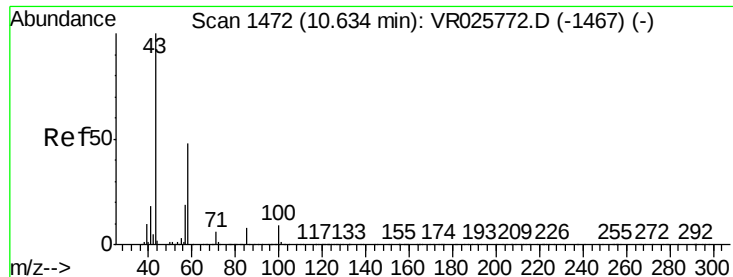
Tgt Ion:	97	Resp:	117288
Ion	Ratio	Lower	Upper
97	100		
99	60.6	41.2	76.4
83	89.1	61.3	113.9
85	58.6	38.9	72.2



#47
 Tetrachloroethene
 Concen: 4.763 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

Tgt Ion:	164	Resp:	196404
Ion	Ratio	Lower	Upper
164	100		
129	108.0	77.5	143.9
131	104.8	74.3	138.1
166	122.6	91.1	169.1

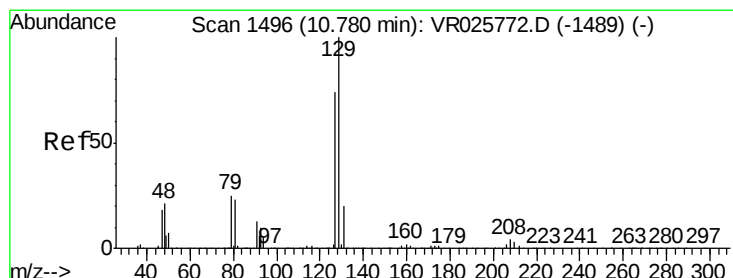
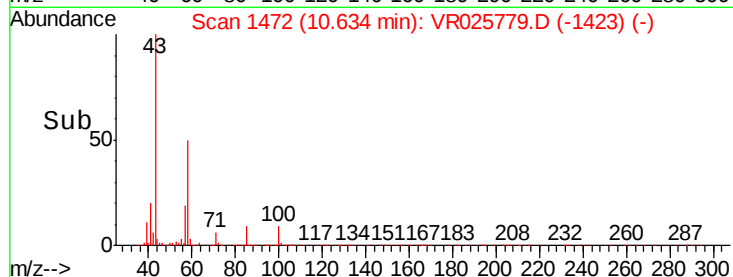
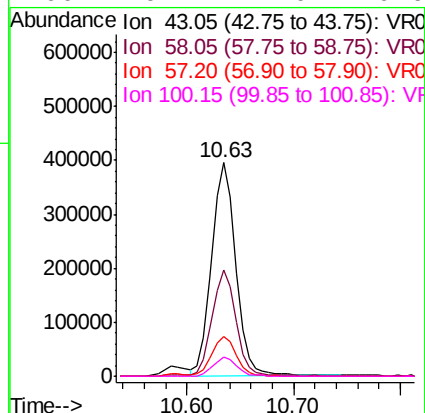
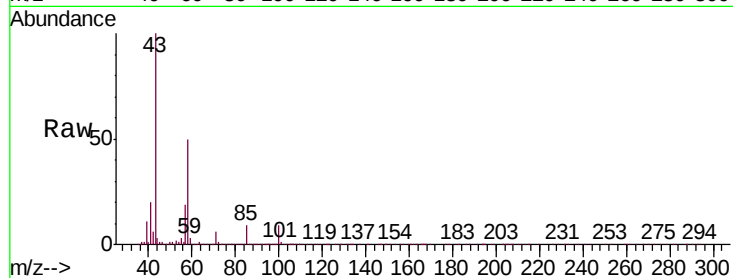




#48
2-Hexanone
Concen: 47.356 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025779.D
Acq: 20 Sep 2018 16:57

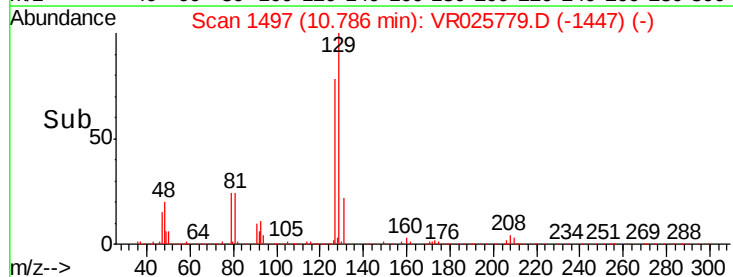
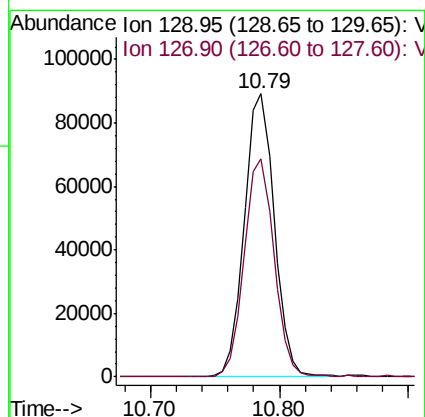
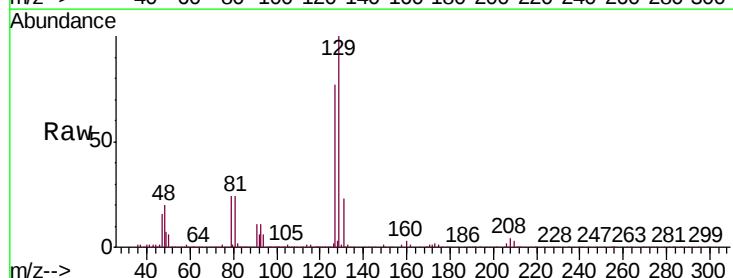
Instrument :
MSVOA_R
ClientSampleId :
VSTD00517

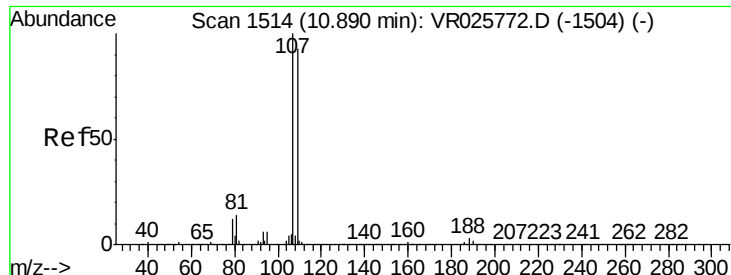
Tgt Ion:	43	Resp:	611306
Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.9	59.9
57	18.7	14.3	21.5
100	9.1	7.0	10.6



#49
Dibromochloromethane
Concen: 4.805 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VR025779.D
Acq: 20 Sep 2018 16:57

Tgt Ion:	129	Resp:	142903
Ion	Ratio	Lower	Upper
129	100		
127	76.9	51.9	96.5

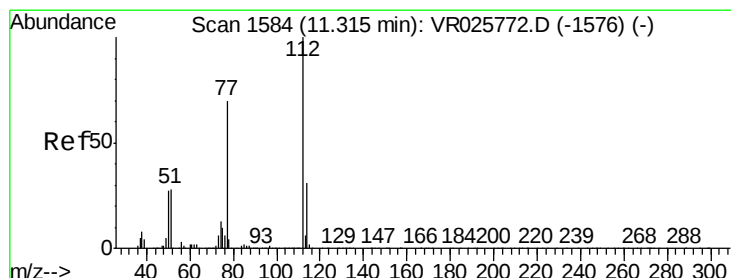
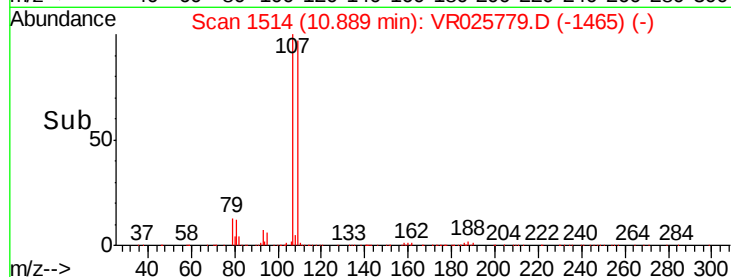
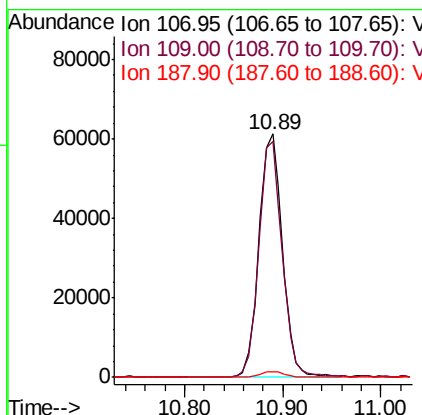
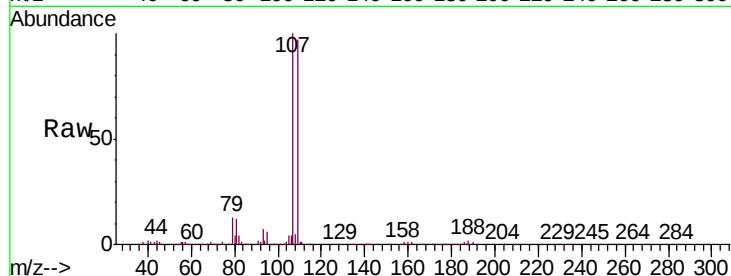




#50
1,2-Dibromoethane
Concen: 4.687 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR025779.D
Acq: 20 Sep 2018 16:57

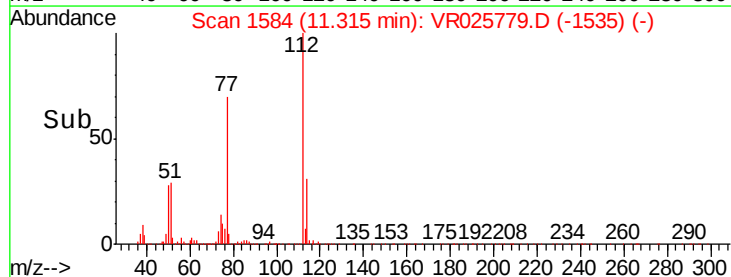
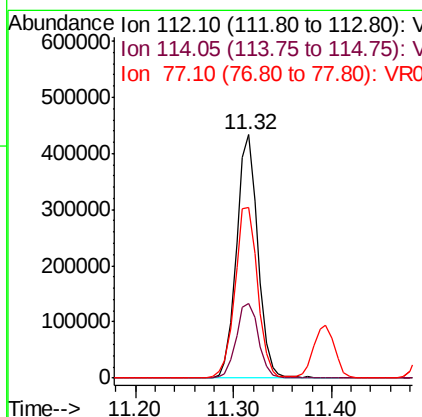
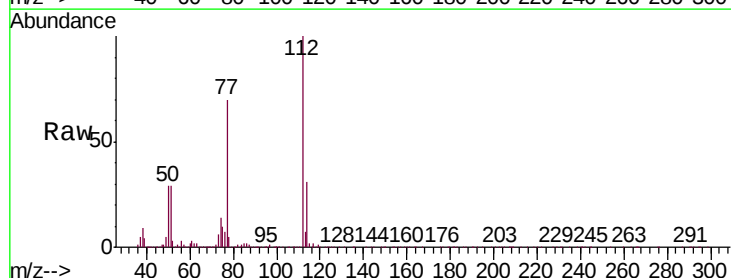
Instrument :
MSVOA_R
ClientSampleId :
VSTD00517

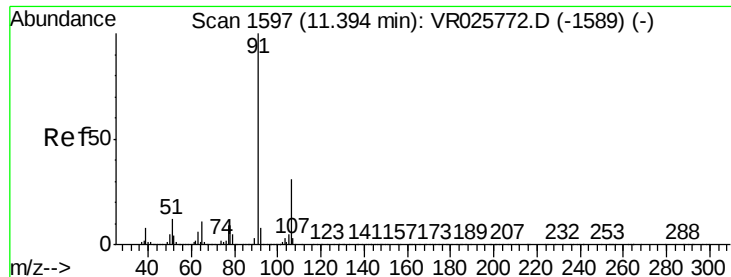
Tgt Ion	Ratio	Lower	Upper
107	100		
109	97.0	65.3	121.3
188	2.4	2.0	3.0



#51
Chlorobenzene
Concen: 4.680 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025779.D
Acq: 20 Sep 2018 16:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.8	22.0	41.0
77	70.1	56.3	84.5





#52

Ethylbenzene

Concen: 4.921 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

Instrument :

MSVOA_R

ClientSampleId :

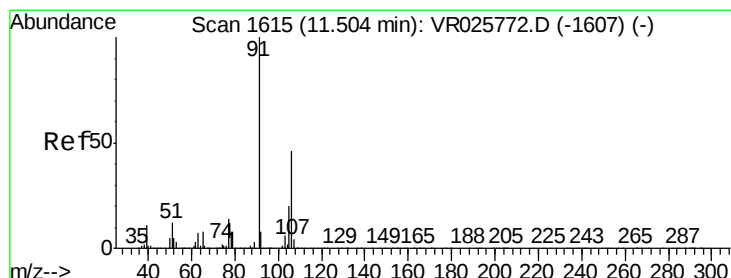
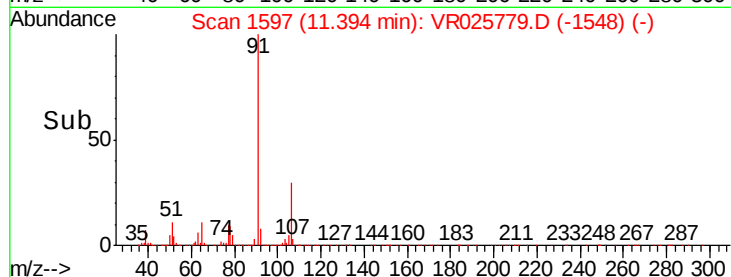
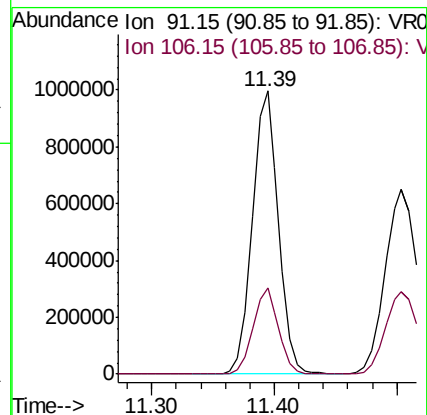
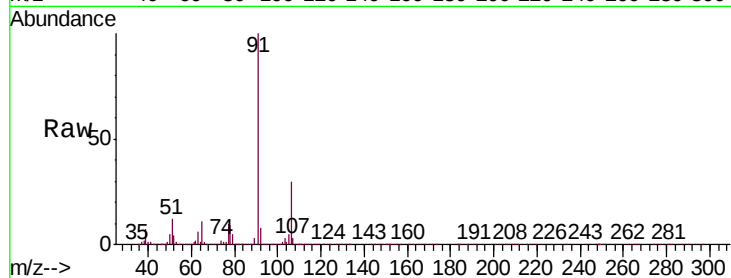
VSTD00517

Tgt Ion: 91 Resp: 1469914

Ion Ratio Lower Upper

91 100

106 30.3 21.4 39.8



#53

m,p-Xylene

Concen: 4.768 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025779.D

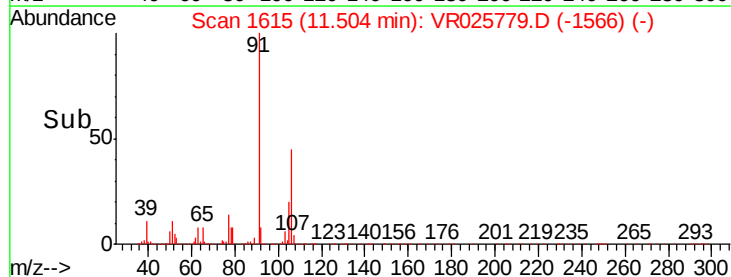
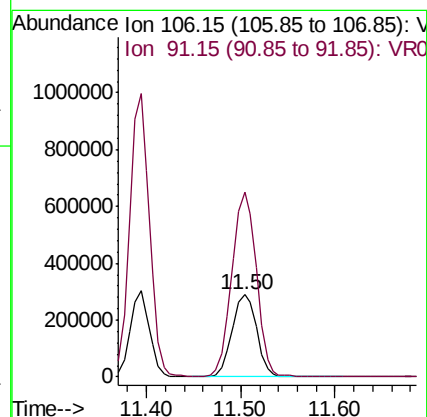
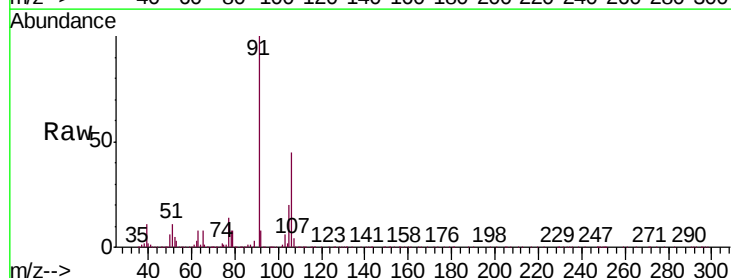
Acq: 20 Sep 2018 16:57

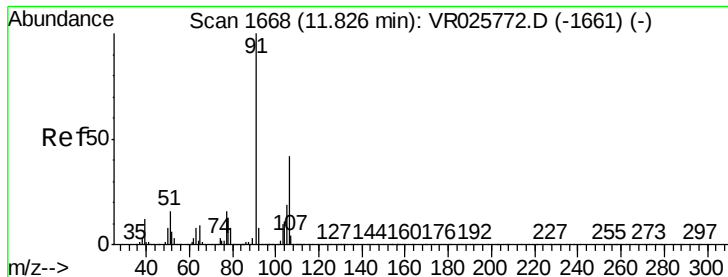
Tgt Ion: 106 Resp: 526289

Ion Ratio Lower Upper

106 100

91 224.5 154.3 286.5

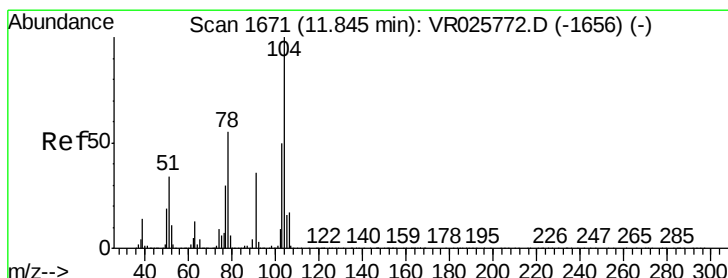
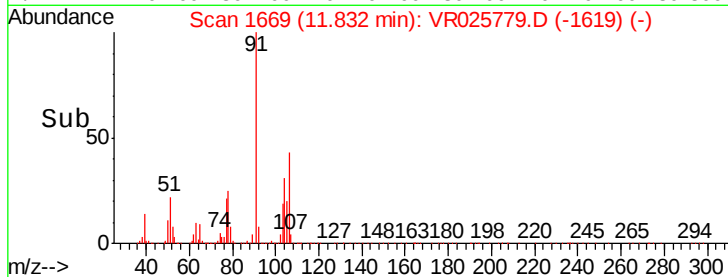
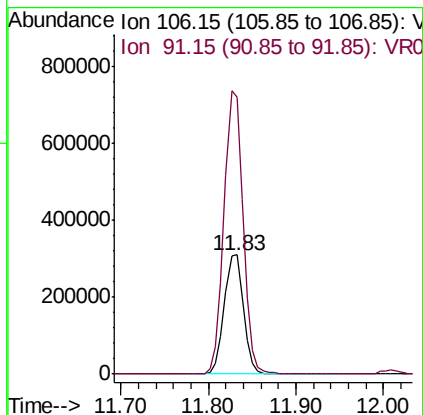
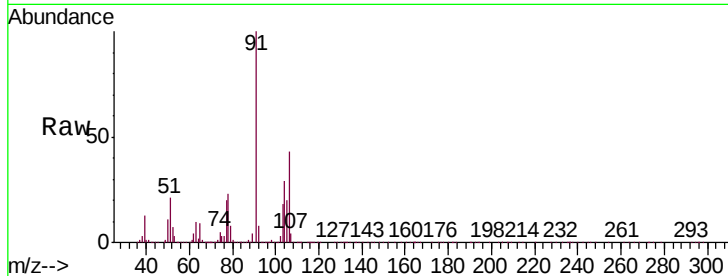




#54
o-Xylene
Concen: 4.663 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR025779.D
Acq: 20 Sep 2018 16:57

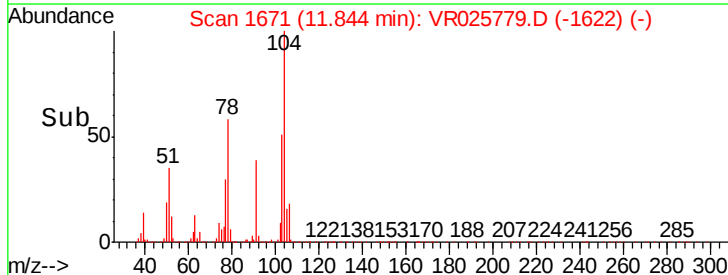
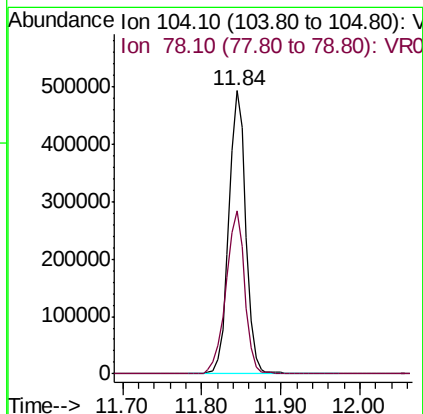
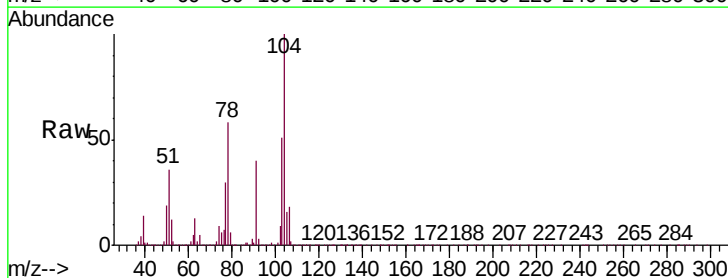
Instrument :
MSVOA_R
ClientSampleId :
VSTD00517

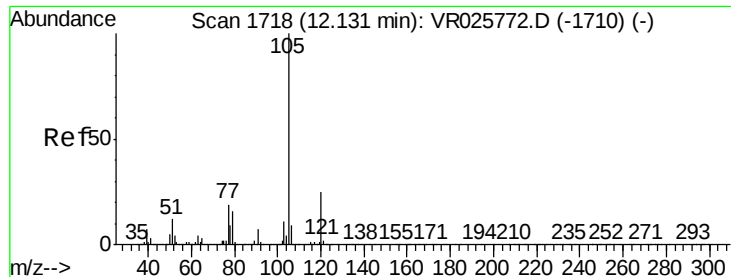
Tgt Ion:106 Resp: 474874
Ion Ratio Lower Upper
106 100
91 232.6 167.1 310.3



#55
Styrene
Concen: 4.669 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025779.D
Acq: 20 Sep 2018 16:57

Tgt Ion:104 Resp: 736211
Ion Ratio Lower Upper
104 100
78 57.7 38.1 70.9





#56

Isopropylbenzene

Concen: 4.868 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

Instrument :

MSVOA_R

ClientSampleId :

VSTD00517

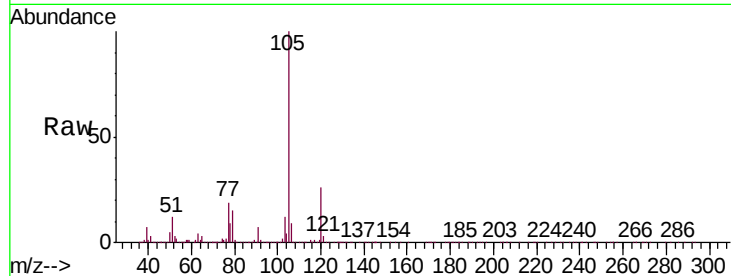
Tgt Ion: 105 Resp: 1373757

Ion Ratio Lower Upper

105 100

120 25.2 20.1 30.1

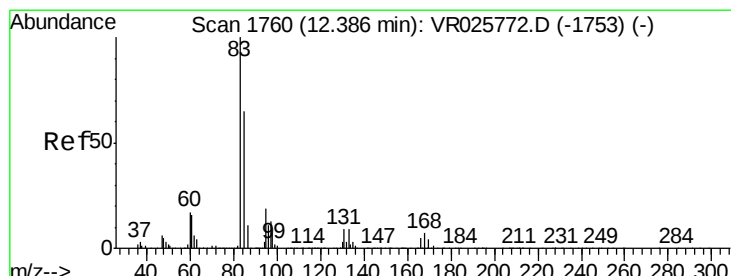
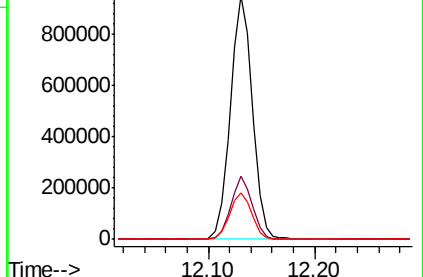
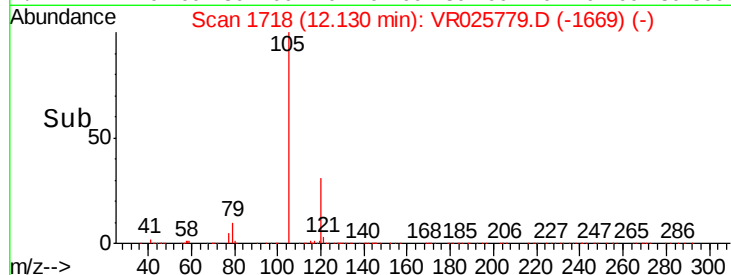
77 19.2 15.3 22.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 4.560 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

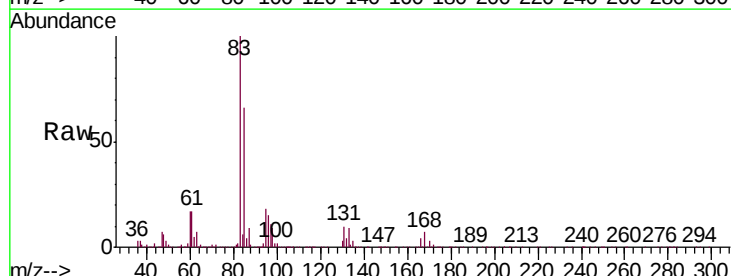
Tgt Ion: 83 Resp: 113232

Ion Ratio Lower Upper

83 100

85 65.7 45.4 84.4

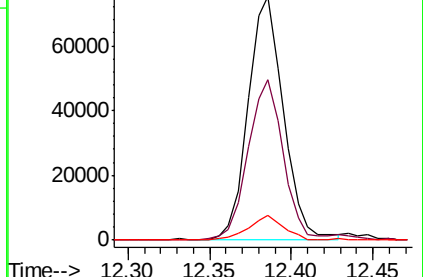
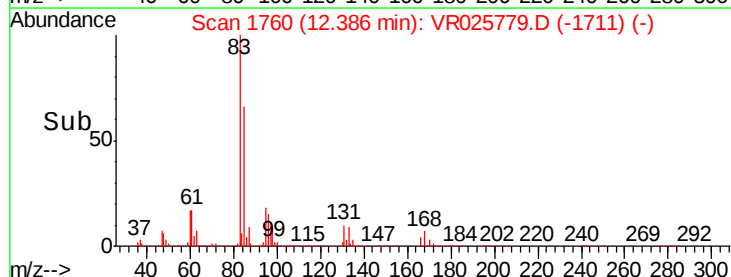
131 10.1 7.5 11.3

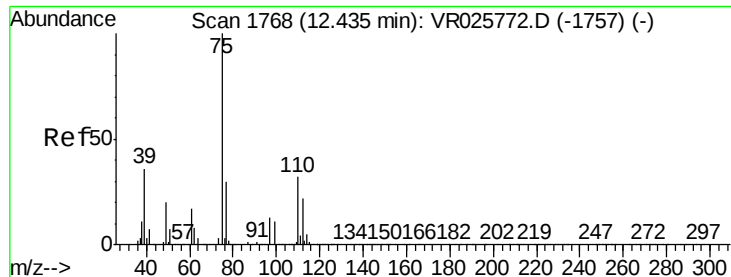


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.543 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

Instrument :

MSVOA_R

ClientSampleId :

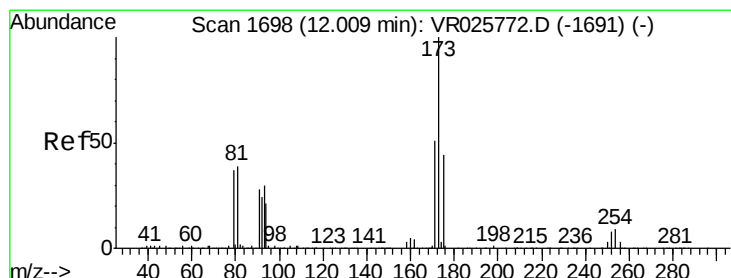
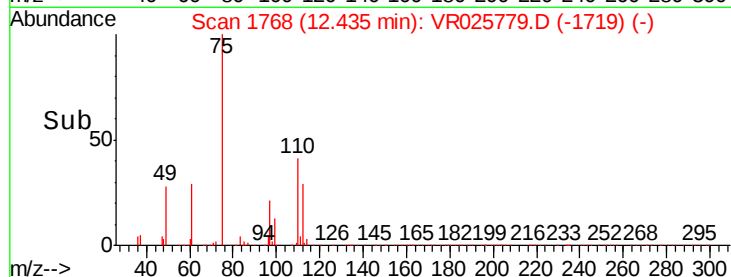
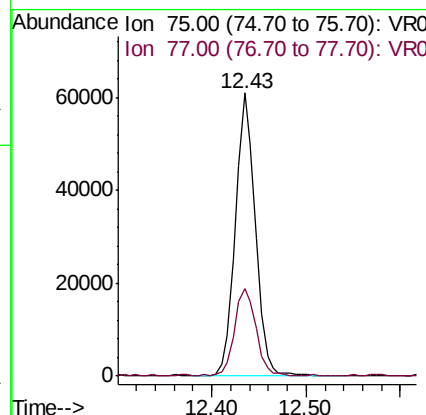
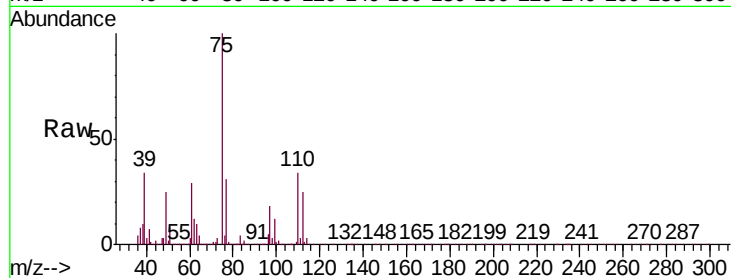
VSTD00517

Tgt Ion: 75 Resp: 90014

Ion Ratio Lower Upper

75 100

77 32.8 25.6 38.4



#61

Bromoform

Concen: 4.715 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

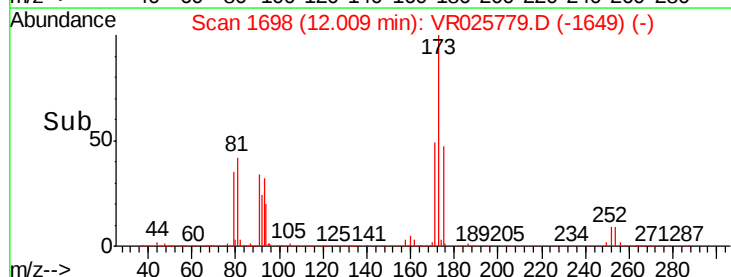
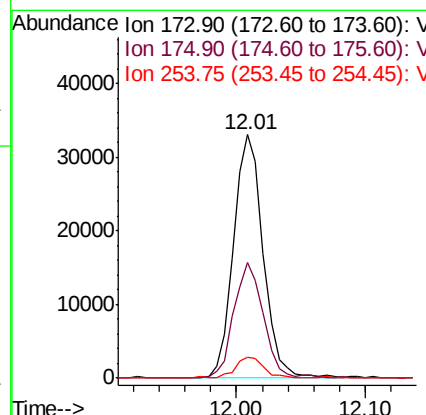
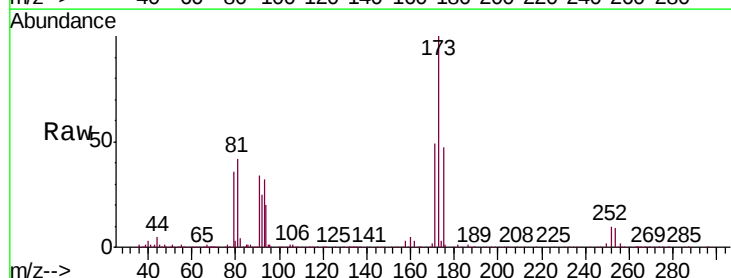
Tgt Ion: 173 Resp: 53012

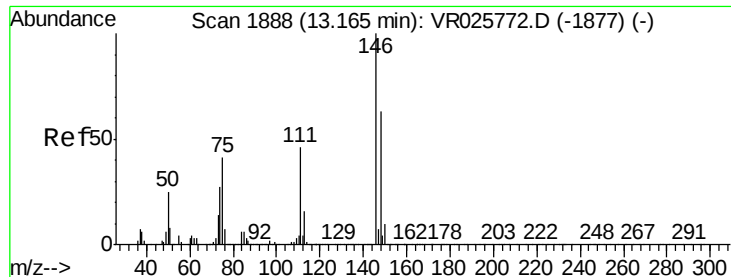
Ion Ratio Lower Upper

173 100

175 47.5 39.9 59.9

254 8.4 6.6 9.8

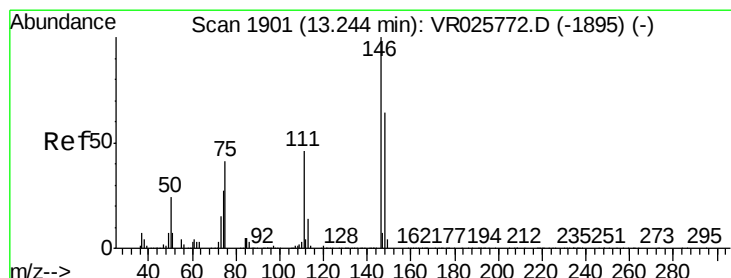
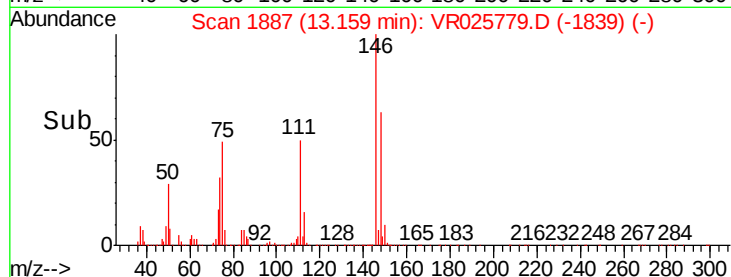
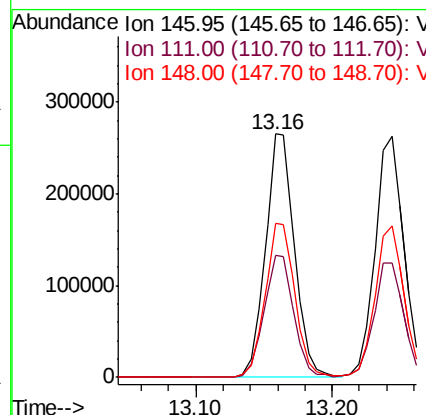
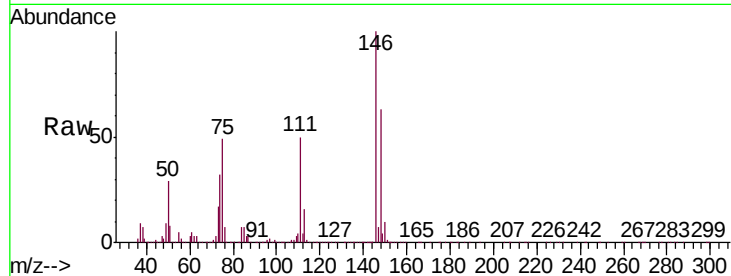




#62
 1,3-Dichlorobenzene
 Concen: 4.712 ug/L
 RT: 13.16 min Scan# 1887
 Delta R.T. -0.01 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

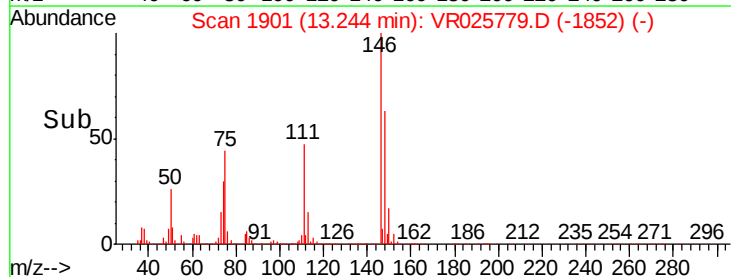
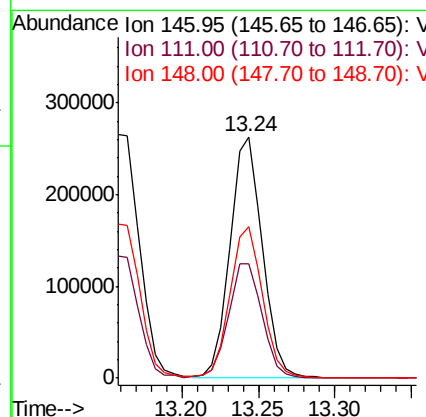
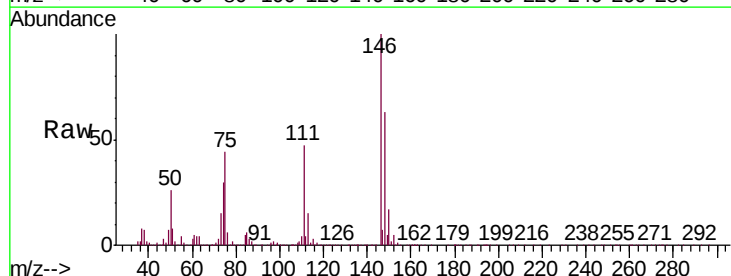
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00517

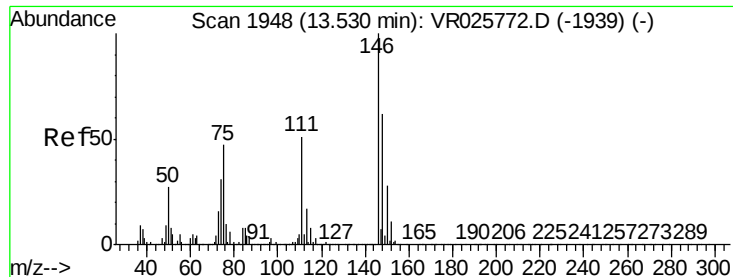
Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.3	32.1	59.5
148	63.2	44.3	82.3



#63
 1,4-Dichlorobenzene
 Concen: 4.826 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	32.3	60.1
148	62.6	44.6	82.8

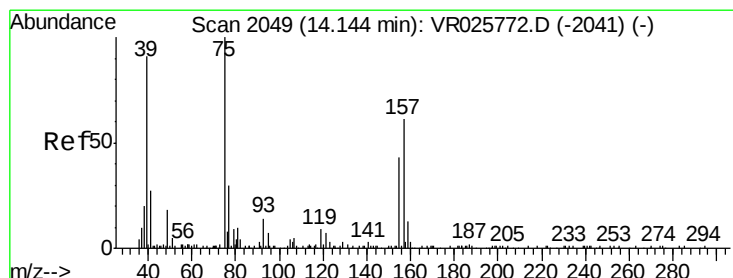
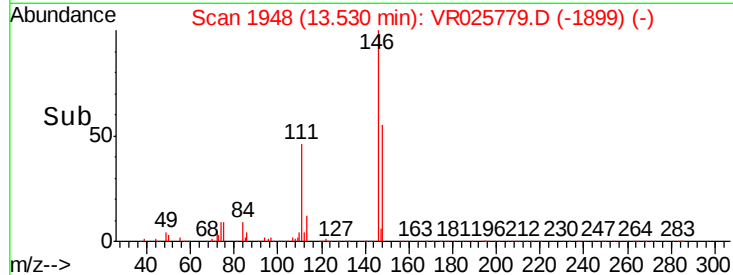
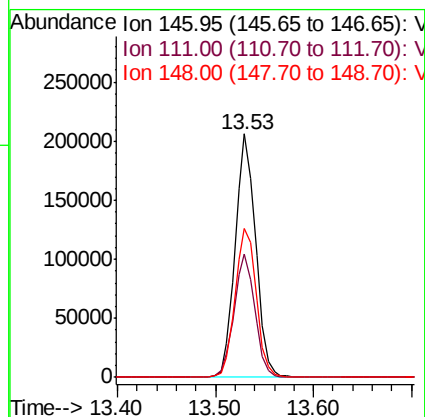
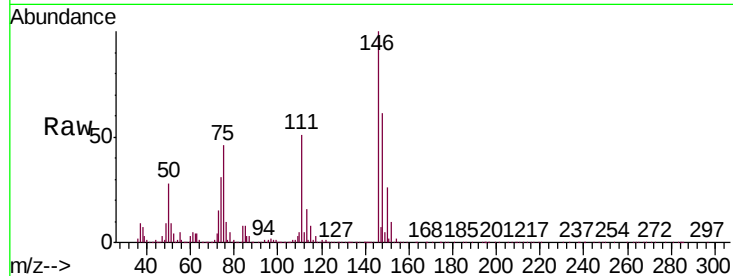




#65
 1,2-Dichlorobenzene
 Concen: 4.760 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

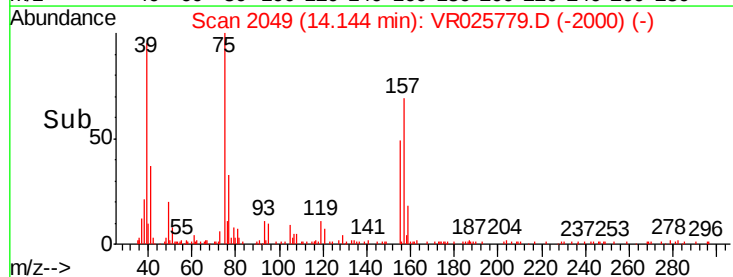
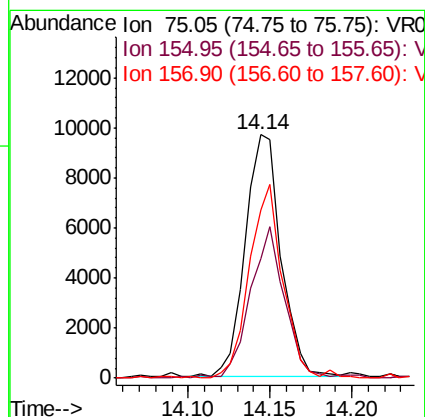
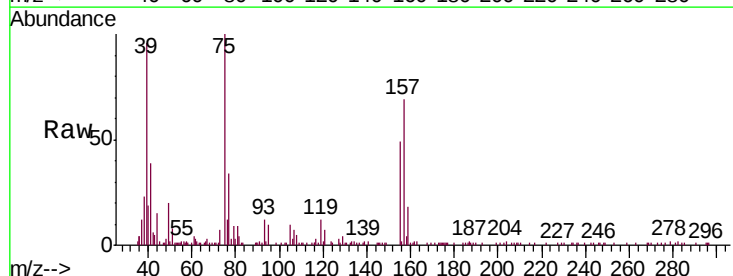
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00517

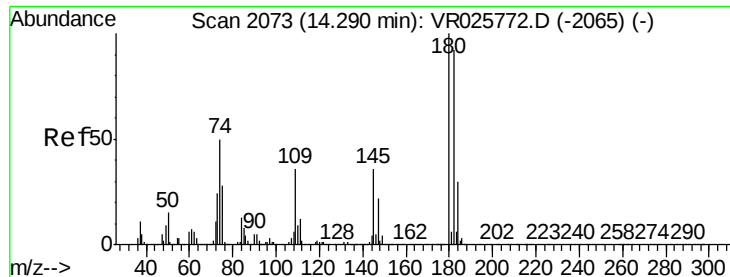
Tgt Ion: 146 Resp: 298730
 Ion Ratio Lower Upper
 146 100
 111 50.5 40.5 60.7
 148 61.3 49.7 74.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.070 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

Tgt Ion: 75 Resp: 14828
 Ion Ratio Lower Upper
 75 100
 155 49.1 34.1 51.1
 157 68.9 49.1 73.7

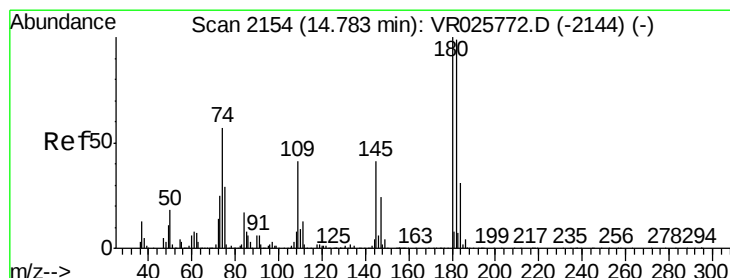
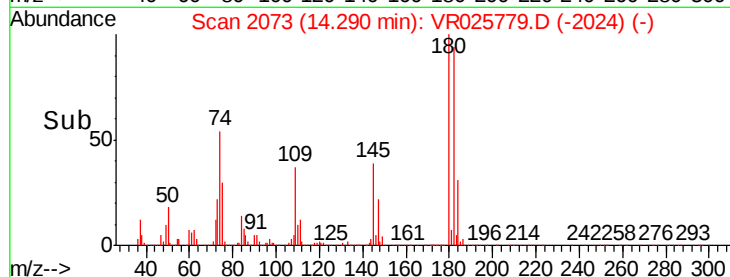
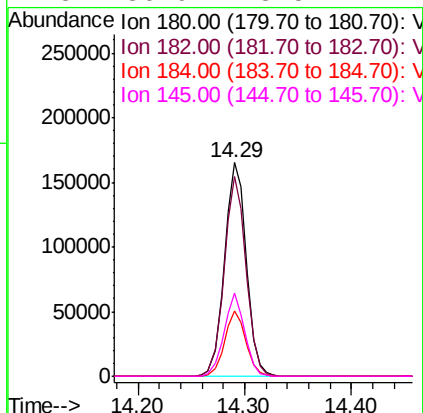
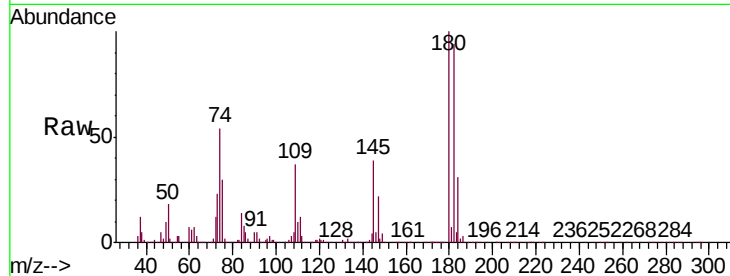




#67
 1,3,5-Trichlorobenzene
 Concen: 4.933 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

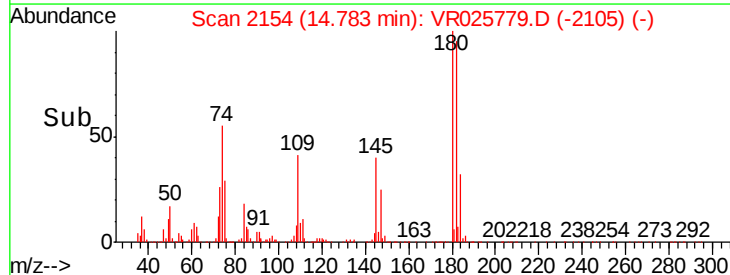
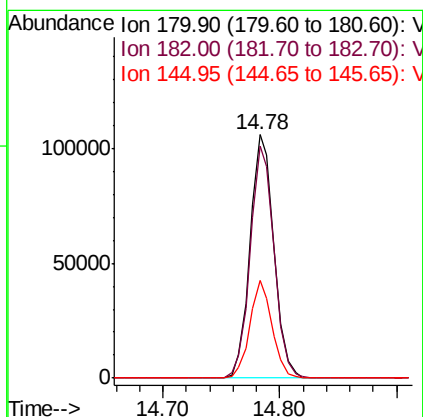
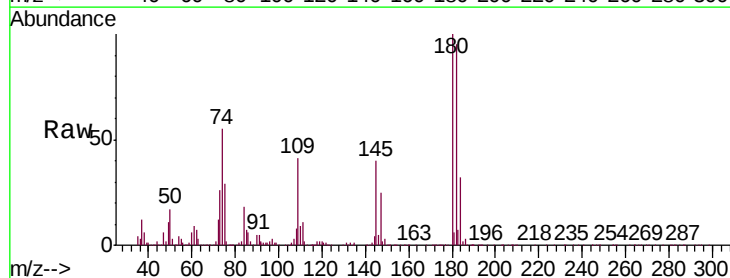
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00517

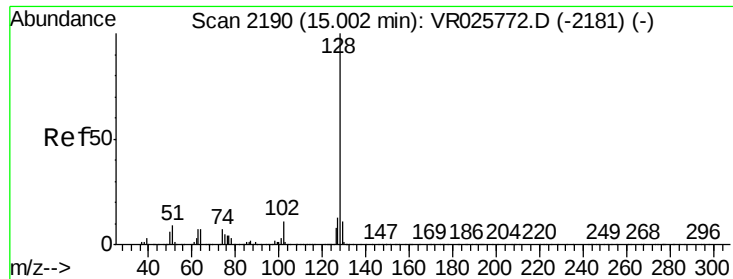
Tgt Ion:	180	Resp:	236390
Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.7	113.5
184	29.6	24.8	37.2
145	36.9	28.5	42.7



#68
 1,2,4-trichlorobenzene
 Concen: 4.791 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025779.D
 Acq: 20 Sep 2018 16:57

Tgt Ion:	180	Resp:	150390
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.2
145	37.9	30.2	45.2





#69

Naphthalene

Concen: 4.705 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

Instrument :

MSVOA_R

ClientSampleId :

VSTD00517

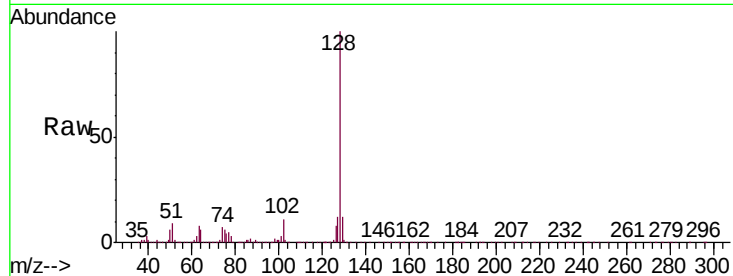
Tgt Ion:128 Resp: 221028

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 11.3 9.1 13.7



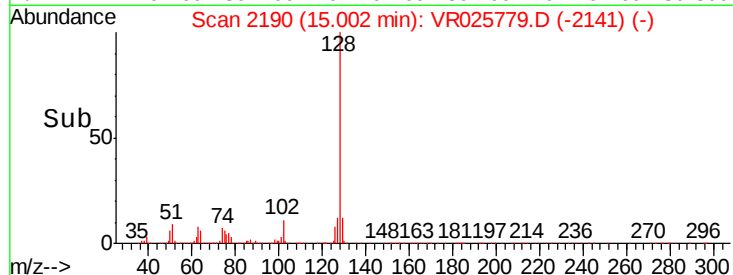
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

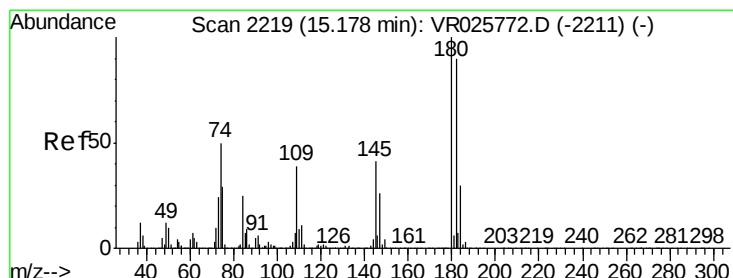
Ion 129.00 (128.70 to 129.70): V

15.00

14.95 15.00 15.05



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 4.591 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025779.D

Acq: 20 Sep 2018 16:57

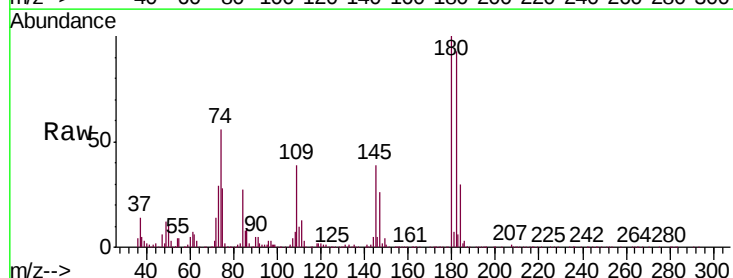
Tgt Ion:180 Resp: 103185

Ion Ratio Lower Upper

180 100

182 95.1 75.7 113.5

145 39.5 31.8 47.8



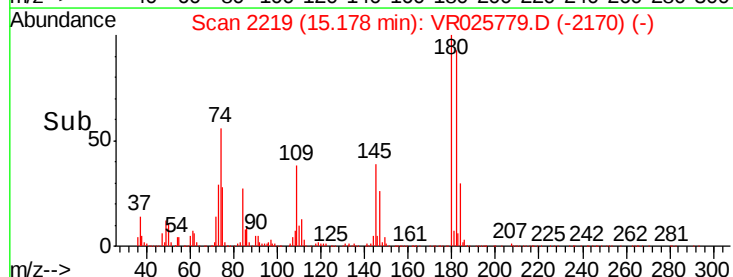
Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

15.18

15.10 15.20



Time-->