

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071618\
 Data File : VR025483.D
 Acq On : 16 Jul 2018 19:02
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

Quant Time: Jul 17 01:12:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 17 01:11:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.45	114	686671	5.00	ug/L	-0.02
28) Chlorobenzene-d5	11.28	117	584457	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	232242	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	82823	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	2.62	69	66806	4.14	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.80%
11) 1,1-Dichloroethene-d2	3.62	63	252673	4.41	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.20%
20) 2-Butanone-d5	6.57	46	267657	45.52	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.04%
24) Chloroform-d	7.18	84	409485	4.37	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	7.87	65	157424	4.39	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
32) Benzene-d6	7.84	84	878357	4.49	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	8.88	67	241952	4.26	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.20%
41) Toluene-d8	9.96	98	796926	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	10.23	79	63396	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	10.58	63	239498	49.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.58%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	115426	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	176413	4.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	196328	5.061 ug/L	99
3) Chloromethane	2.00	50	116100	5.048 ug/L	99
5) Vinyl chloride	2.16	62	108010	5.227 ug/L	93
6) Bromomethane	2.52	94	61605	5.067 ug/L	97
8) Chloroethane	2.65	64	66019	5.132 ug/L	95
9) Trichlorofluoromethane	2.94	101	145786	4.318 ug/L #	57
10) 1,1,2-Trichloro-1,2,2-trif	3.65	101	101952	4.961 ug/L	97
12) 1,1-Dichloroethene	3.63	96	104010	5.067 ug/L	94
13) Acetone	3.68	43	133648	50.451 ug/L	99
14) Carbon disulfide	3.93	76	222641	4.766 ug/L #	92
15) Methyl Acetate	4.16	43	28305	4.776 ug/L #	91
16) Methylene chloride	4.37	84	95610	4.754 ug/L	80
17) Methyl tert-butyl Ether	4.86	73	350541	5.239 ug/L	98
18) trans-1,2-Dichloroethene	4.85	96	250166	4.899 ug/L	97
19) 1,1-Dichloroethane	5.66	63	440259	5.026 ug/L	97
21) 2-Butanone	6.66	43	325033	52.673 ug/L	95
22) cis-1,2-Dichloroethene	6.65	96	255471	5.451 ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071618\
 Data File : VR025483.D
 Acq On : 16 Jul 2018 19:02
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

Quant Time: Jul 17 01:12:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 17 01:11:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

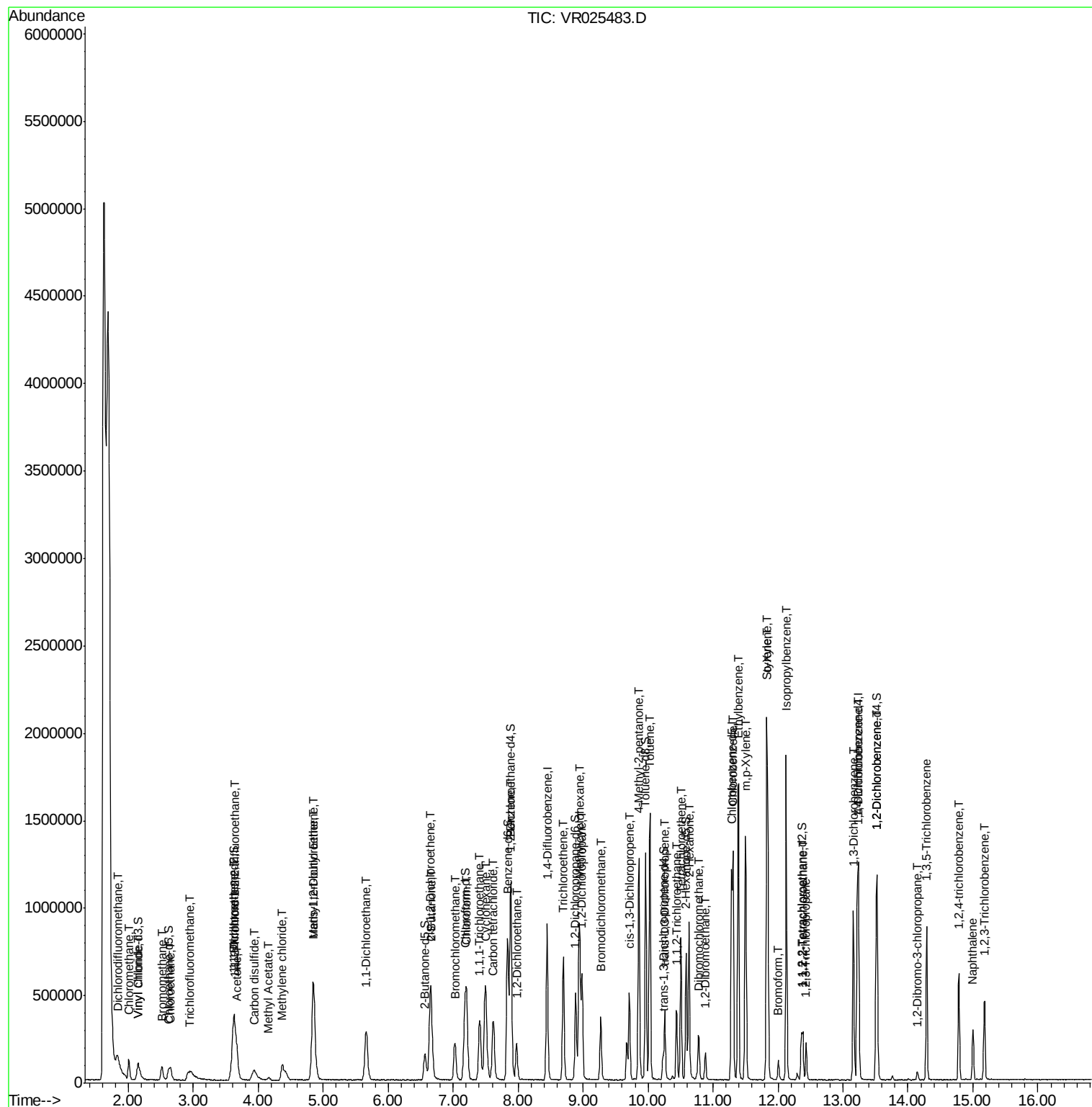
23) Bromochloromethane	7.02	128	77463	5.134	ug/L	97
25) Chloroform	7.21	83	419425	4.984	ug/L	99
27) 1,2-Dichloroethane	7.98	62	186008	4.930	ug/L #	91
29) 1,1,1-Trichloroethane	7.41	97	296236	4.983	ug/L	98
30) Cyclohexane	7.50	56	344744	5.406	ug/L	96
31) Carbon tetrachloride	7.62	117	279608	5.317	ug/L	99
33) Benzene	7.89	78	1020572	5.066	ug/L	100
34) Trichloroethene	8.70	95	249186	4.859	ug/L	97
35) Methylcyclohexane	8.94	83	375893	5.482	ug/L	96
37) 1,2-Dichloropropane	8.98	63	229864	4.909	ug/L	99
38) Bromodichloromethane	9.27	83	236229	4.950	ug/L	96
39) cis-1,3-Dichloropropene	9.71	75	267379	5.078	ug/L	93
40) 4-Methyl-2-pentanone	9.86	43	759073	55.935	ug/L	95
42) Toluene	10.03	91	1034214	5.279	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	192360	4.975	ug/L	94
45) 1,1,2-Trichloroethane	10.44	97	111380	4.854	ug/L	95
47) Tetrachloroethene	10.51	164	162963	4.866	ug/L	97
48) 2-Hexanone	10.63	43	504310	54.023	ug/L #	94
49) Dibromochloromethane	10.78	129	121304	5.071	ug/L	94
50) 1,2-Dibromoethane	10.88	107	95880	5.159	ug/L #	94
51) Chlorobenzene	11.31	112	603658	5.061	ug/L	96
52) Ethylbenzene	11.39	91	1122651	5.344	ug/L	98
53) m,p-Xylene	11.50	106	429478	5.448	ug/L	89
54) o-Xylene	11.82	106	383109	5.642	ug/L	97
55) Styrene	11.84	104	634169	5.676	ug/L	94
56) Isopropylbenzene	12.13	105	1025690	5.705	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	113559	5.025	ug/L #	91
59) 1,2,3-Trichloropropane	12.43	75	85537	5.258	ug/L	95
61) Bromoform	12.01	173	46530	4.919	ug/L	100
62) 1,3-Dichlorobenzene	13.16	146	350128	5.145	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	372578	4.932	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	306580	5.185	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	12981	4.963	ug/L	92
67) 1,3,5-Trichlorobenzene	14.29	180	233221	5.248	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	147860	4.840	ug/L	96
69) Naphthalene	15.00	128	210007	5.368	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	125009	5.305	ug/L	99

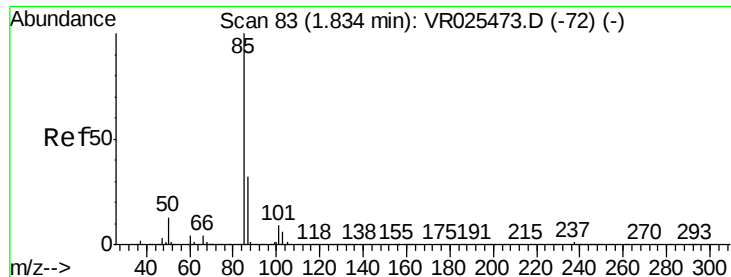
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_R\DATA\VR071618\
Data File : VR025483.D
Acq On : 16 Jul 2018 19:02
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

Quant Time: Jul 17 01:12:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 17 01:11:10 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.061 ug/L

RT: 1.83 min Scan# 83

Delta R.T. -0.00 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

Instrument :

MSVOA_R

ClientSampled :

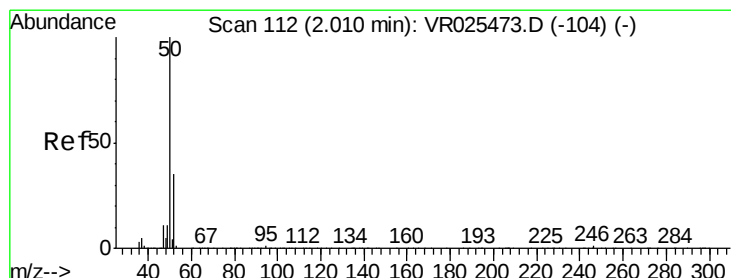
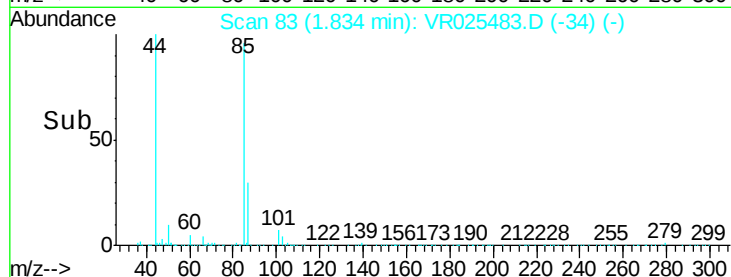
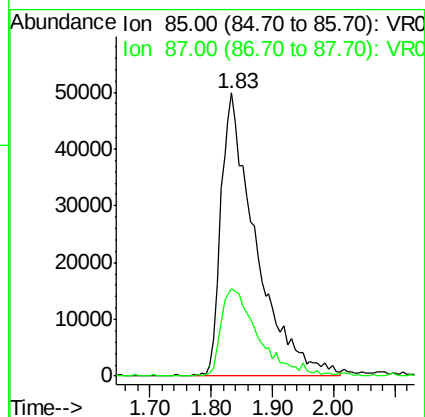
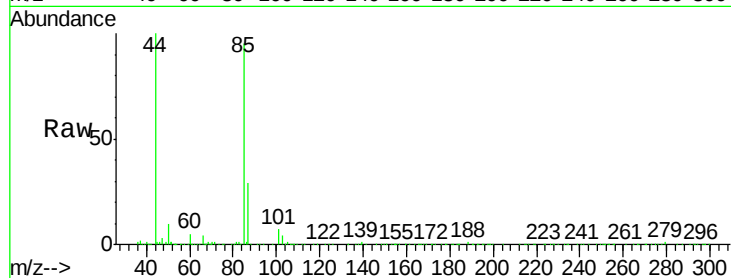
VSTD00593

Tgt Ion: 85 Resp: 196328

Ion Ratio Lower Upper

85 100

87 32.0 25.4 38.0



#3

Chloromethane

Concen: 5.048 ug/L

RT: 2.00 min Scan# 111

Delta R.T. -0.01 min

Lab File: VR025483.D

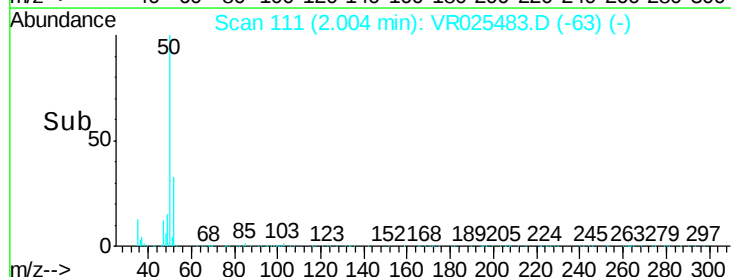
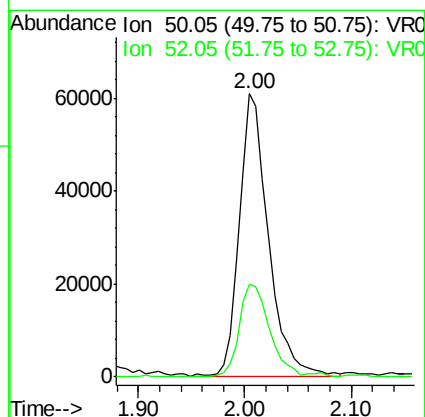
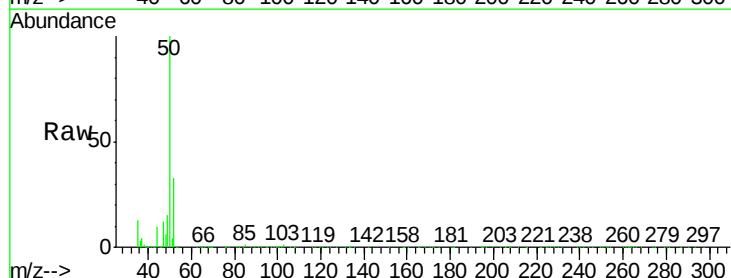
Acq: 16 Jul 2018 19:02

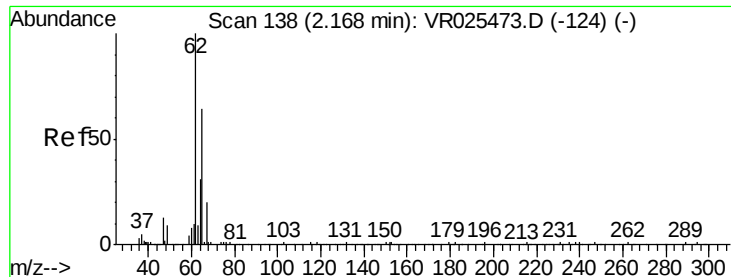
Tgt Ion: 50 Resp: 116100

Ion Ratio Lower Upper

50 100

52 32.9 22.8 42.4





#5

Vinyl chloride

Concen: 5.227 ug/L

RT: 2.16 min Scan# 136

Delta R.T. -0.01 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

Instrument :

MSVOA_R

ClientSampleId :

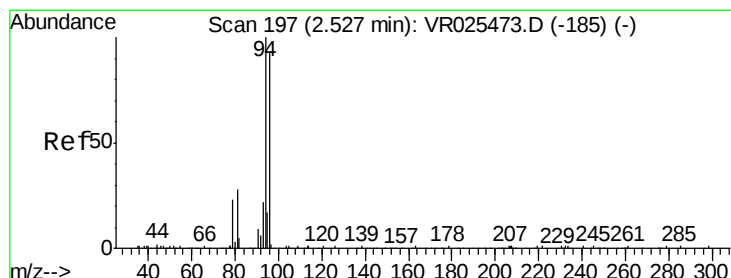
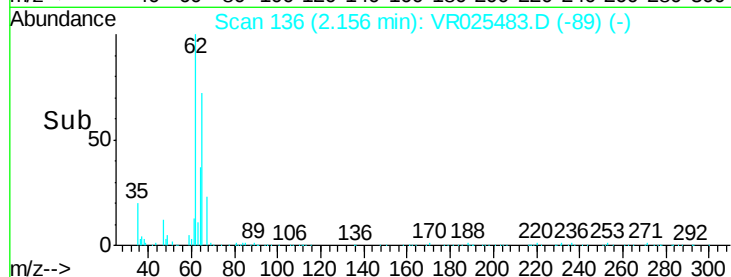
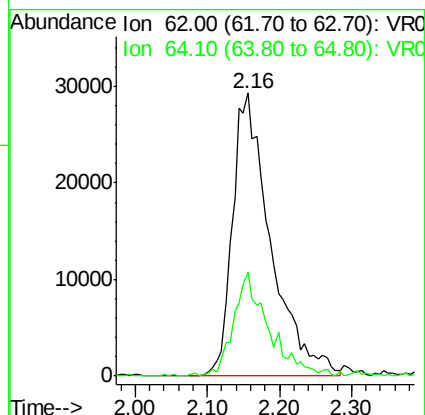
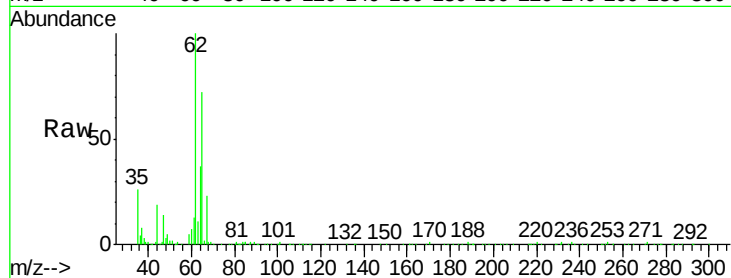
VSTD00593

Tgt Ion: 62 Resp: 108010

Ion Ratio Lower Upper

62 100

64 36.7 22.8 42.4



#6

Bromomethane

Concen: 5.067 ug/L

RT: 2.52 min Scan# 195

Delta R.T. -0.01 min

Lab File: VR025483.D

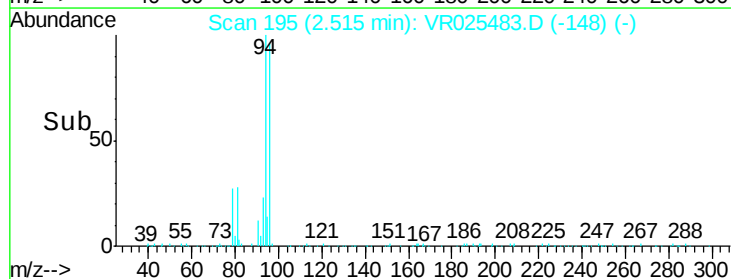
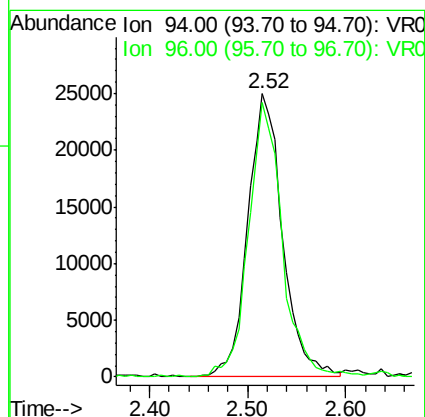
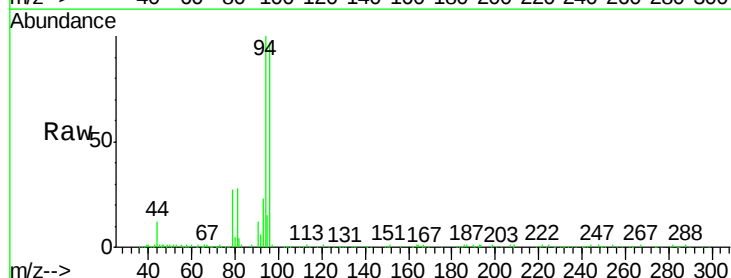
Acq: 16 Jul 2018 19:02

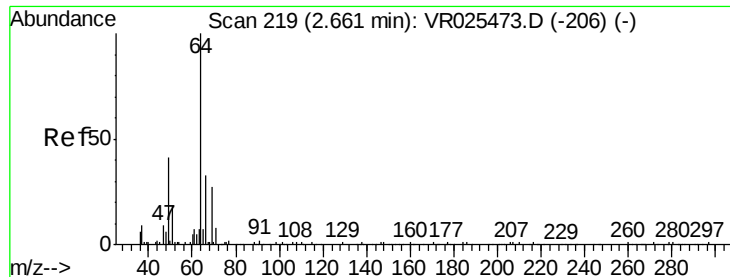
Tgt Ion: 94 Resp: 61605

Ion Ratio Lower Upper

94 100

96 97.0 65.9 122.3

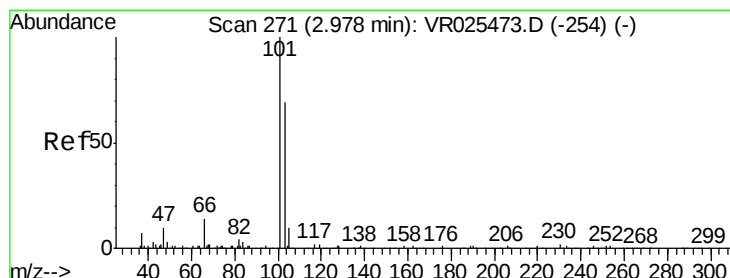
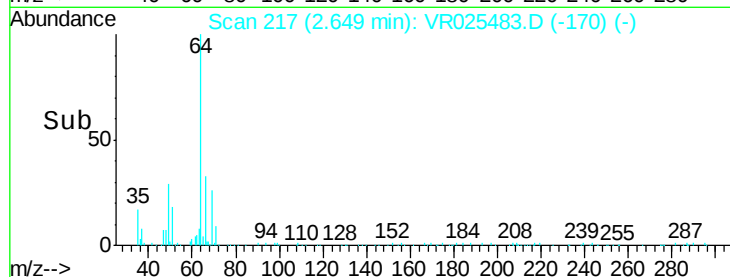
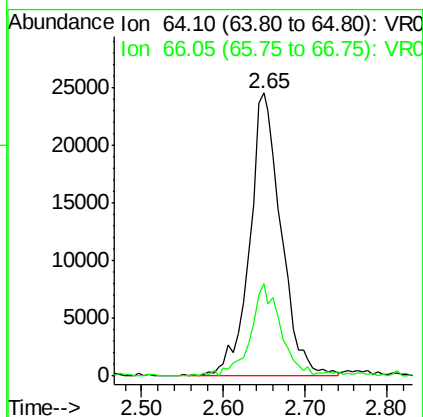
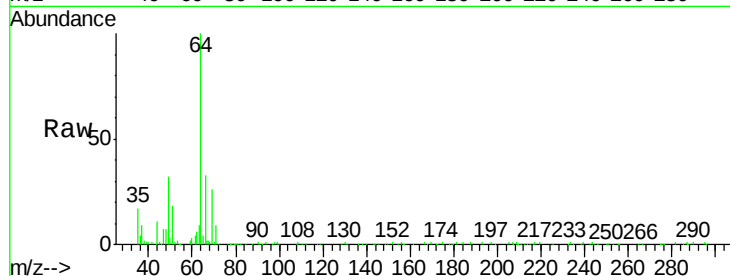




#8
Chloroethane
Concen: 5.132 ug/L
RT: 2.65 min Scan# 217
Delta R.T. -0.01 min
Lab File: VR025483.D
Acq: 16 Jul 2018 19:02

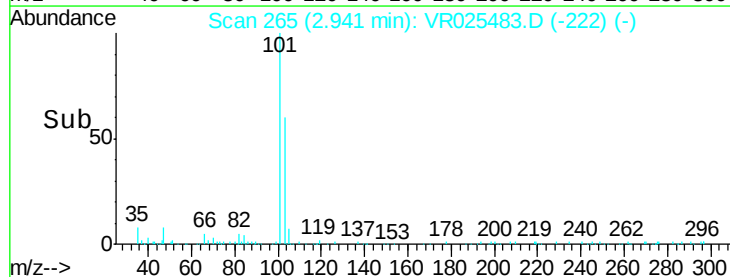
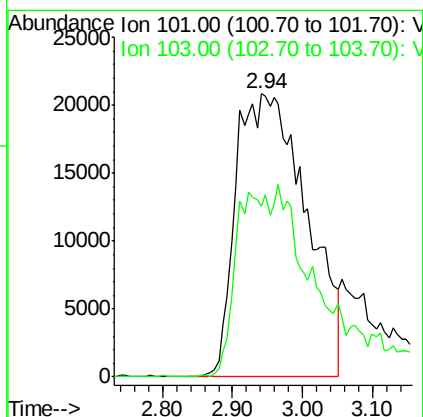
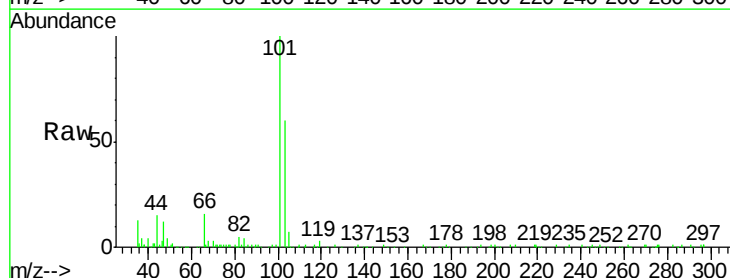
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

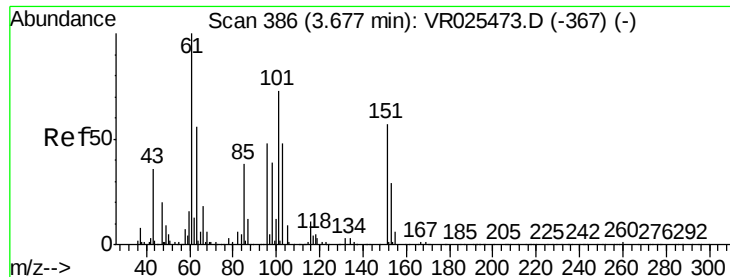
Tgt Ion: 64 Resp: 66019
Ion Ratio Lower Upper
64 100
66 32.9 21.3 39.5



#9
Trichlorofluoromethane
Concen: 4.318 ug/L
RT: 2.94 min Scan# 265
Delta R.T. -0.04 min
Lab File: VR025483.D
Acq: 16 Jul 2018 19:02

Tgt Ion: 101 Resp: 145786
Ion Ratio Lower Upper
101 100
103 31.1 11.0 16.4#





#10

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

Concen: 4.961 ug/L

RT: 3.65 min Scan# 381

Delta R.T. -0.03 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

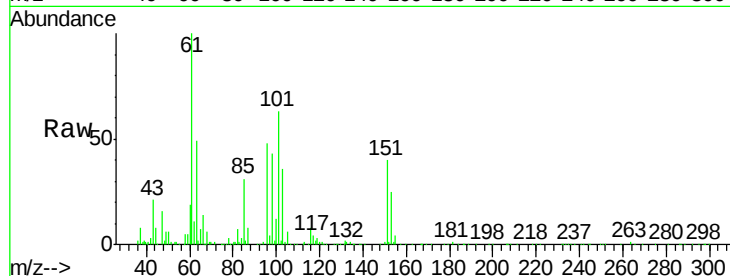
Tgt Ion: 101 Resp: 101952

Ion Ratio Lower Upper

101 100

85 51.9 39.1 58.7

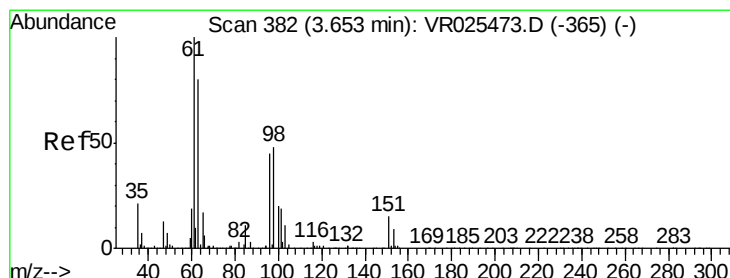
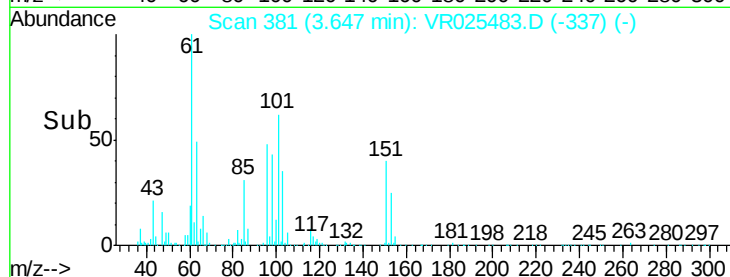
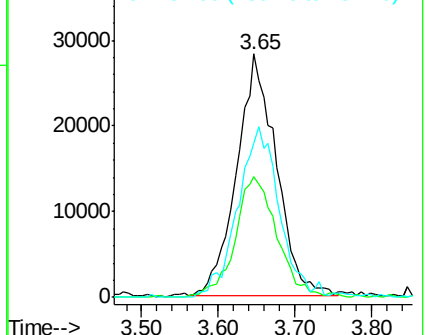
151 73.6 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.067 ug/L

RT: 3.63 min Scan# 378

Delta R.T. -0.02 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

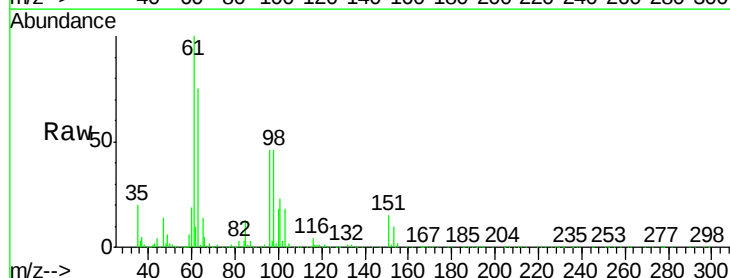
Tgt Ion: 96 Resp: 104010

Ion Ratio Lower Upper

96 100

61 215.5 155.0 287.9

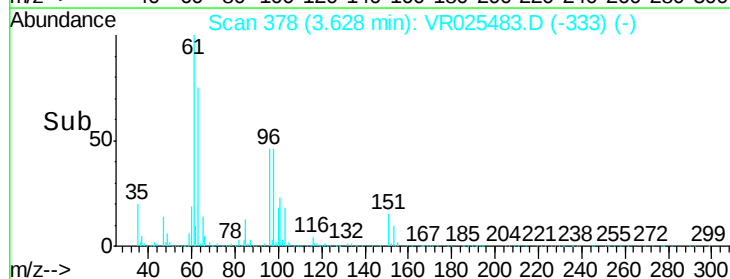
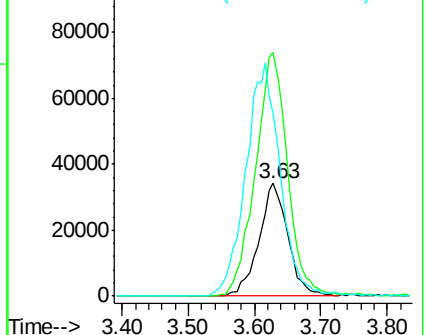
63 161.9 122.3 227.1

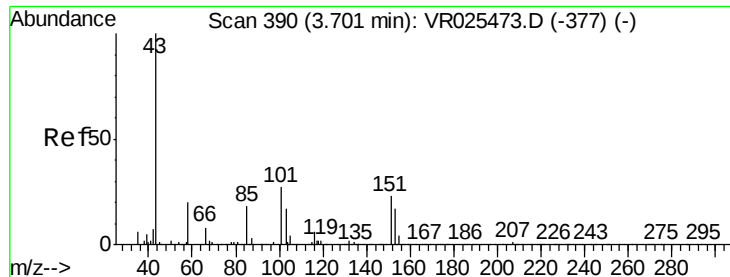


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 50.451 ug/L

RT: 3.68 min Scan# 386

Delta R.T. -0.02 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

Instrument :

MSVOA_R

ClientSampleId :

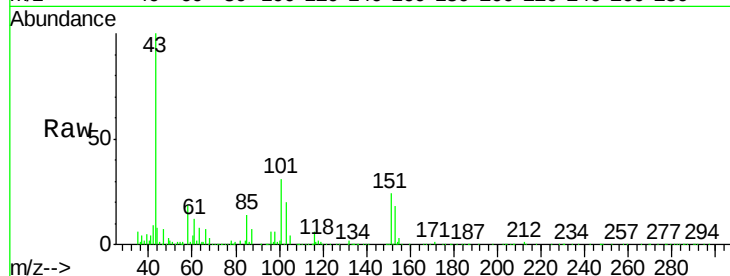
VSTD00593

Tgt Ion: 43 Resp: 133648

Ion Ratio Lower Upper

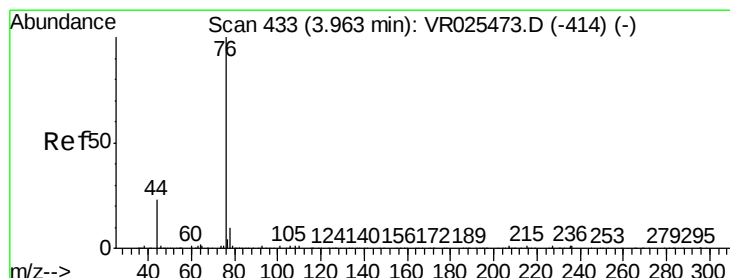
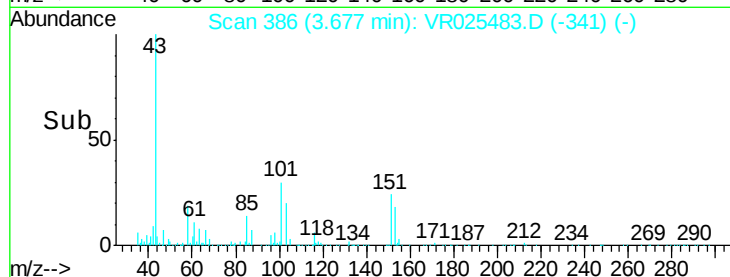
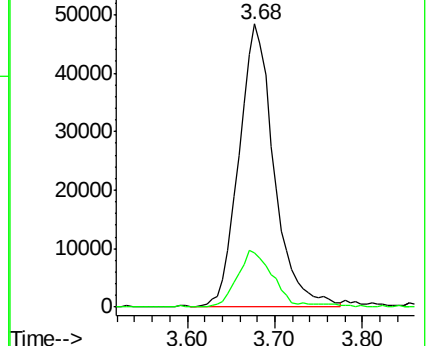
43 100

58 21.2 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 4.766 ug/L

RT: 3.93 min Scan# 428

Delta R.T. -0.03 min

Lab File: VR025483.D

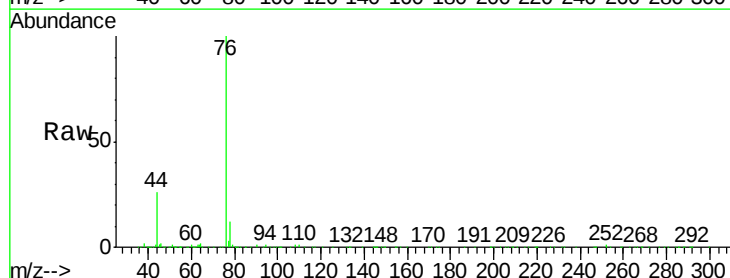
Acq: 16 Jul 2018 19:02

Tgt Ion: 76 Resp: 222641

Ion Ratio Lower Upper

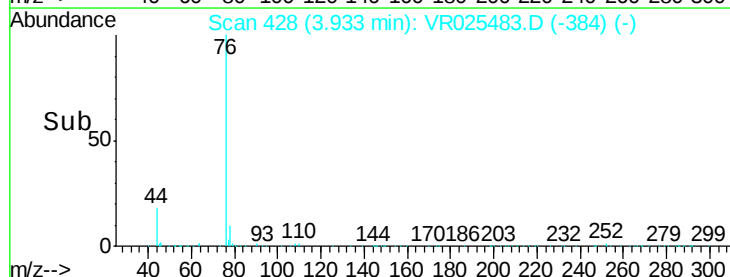
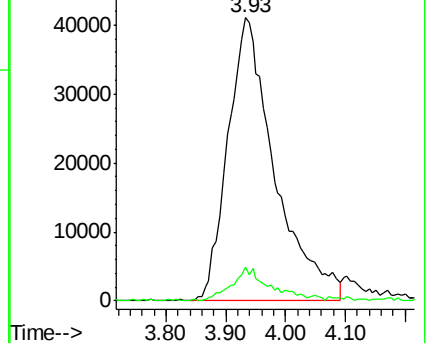
76 100

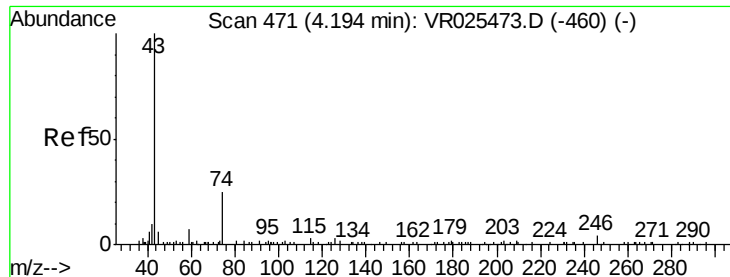
78 12.1 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

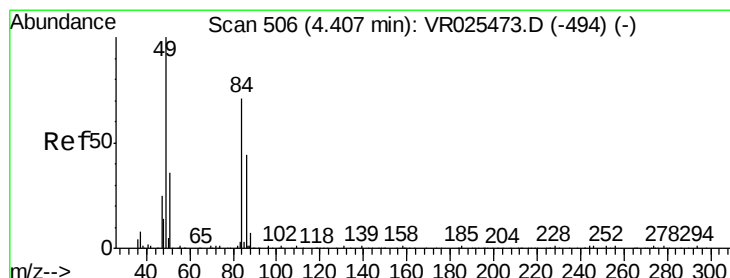
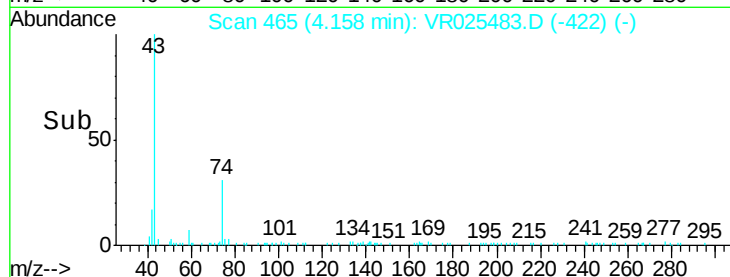
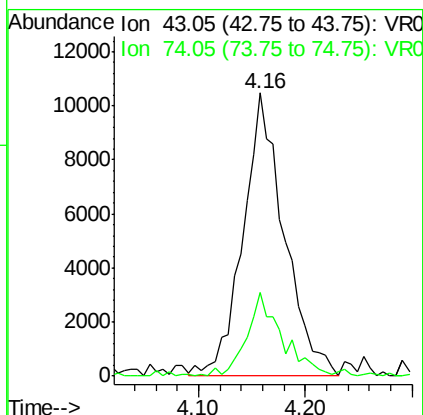
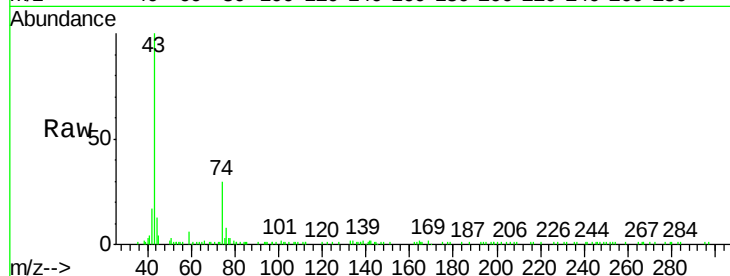




#15
Methyl Acetate
Concen: 4.776 ug/L
RT: 4.16 min Scan# 465
Delta R.T. -0.04 min
Lab File: VR025483.D
Acq: 16 Jul 2018 19:02

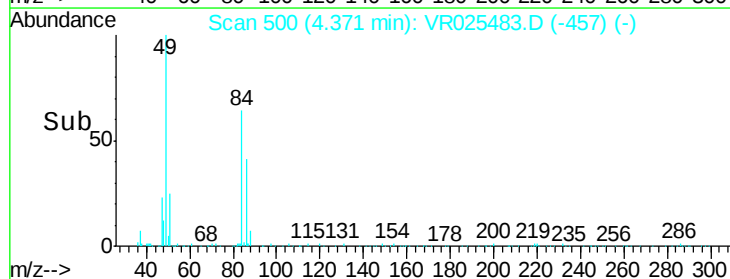
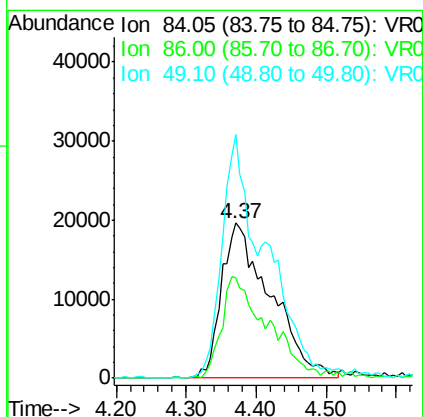
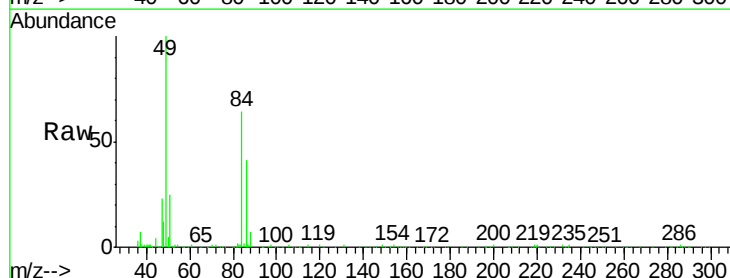
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

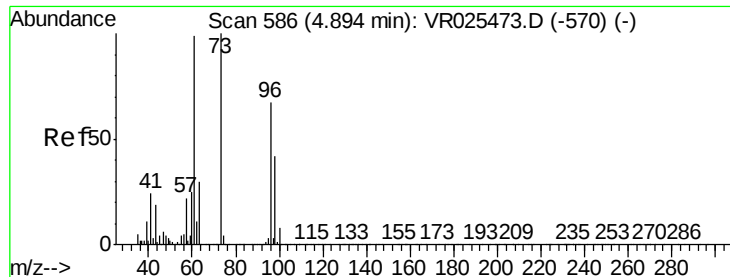
Tgt Ion: 43 Resp: 28305
Ion Ratio Lower Upper
43 100
74 25.2 16.7 25.1#



#16
Methylene chloride
Concen: 4.754 ug/L
RT: 4.37 min Scan# 500
Delta R.T. -0.04 min
Lab File: VR025483.D
Acq: 16 Jul 2018 19:02

Tgt Ion: 84 Resp: 95610
Ion Ratio Lower Upper
84 100
86 65.7 43.7 81.1
49 156.9 87.2 162.0





#17

Methyl tert-butyl Ether

Concen: 5.239 ug/L

RT: 4.86 min Scan# 580

Delta R.T. -0.04 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

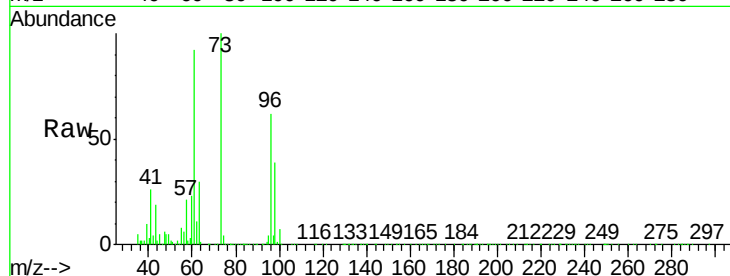
Tgt Ion: 73 Resp: 350541

Ion Ratio Lower Upper

73 100

43 18.8 15.8 23.6

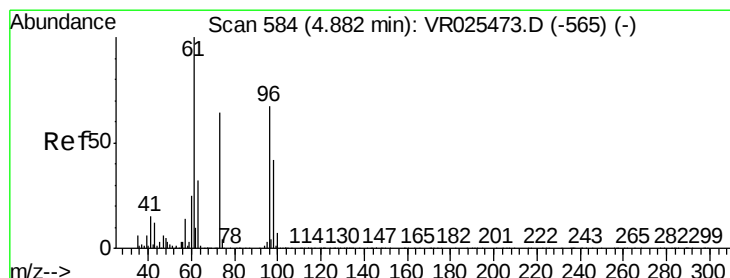
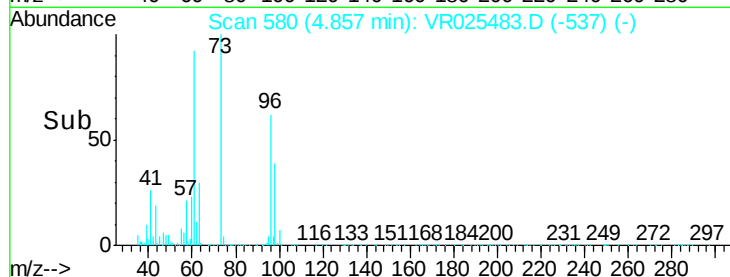
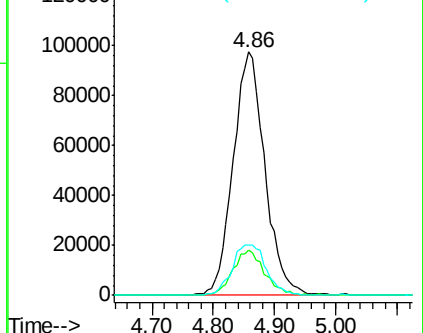
57 22.5 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 4.899 ug/L

RT: 4.85 min Scan# 578

Delta R.T. -0.04 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

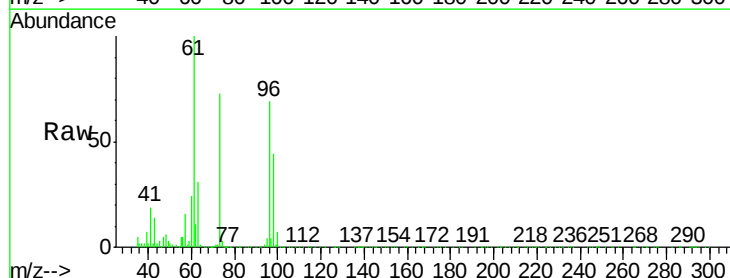
Tgt Ion: 96 Resp: 250166

Ion Ratio Lower Upper

96 100

61 145.8 104.4 193.8

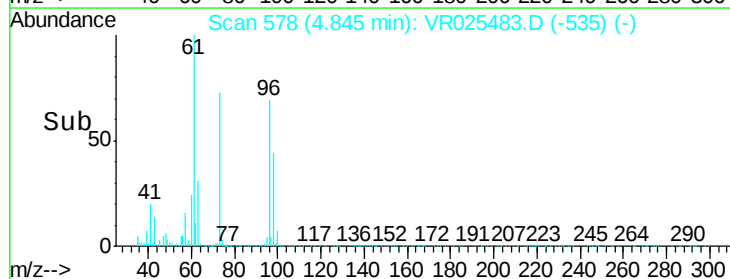
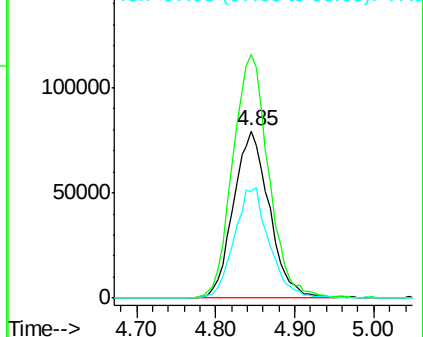
98 63.6 43.1 80.1

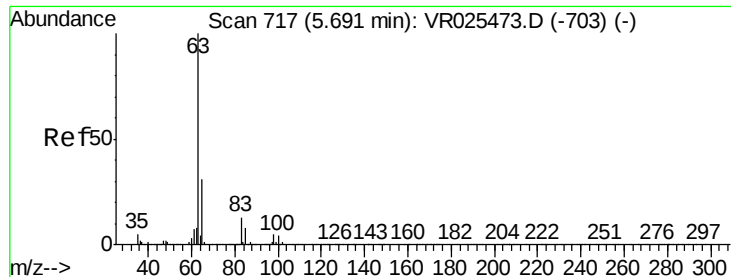


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0





#19

1,1-Dichloroethane

Concen: 5.026 ug/L

RT: 5.66 min Scan# 712

Delta R.T. -0.03 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

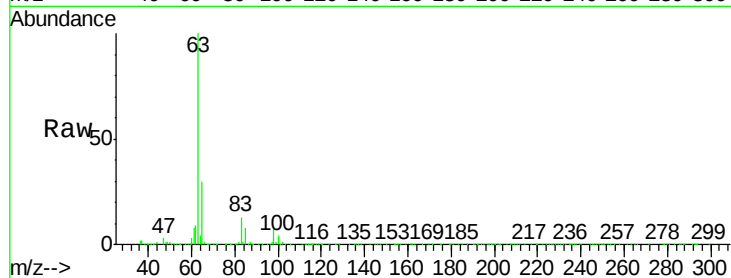
Tgt Ion: 63 Resp: 440259

Ion Ratio Lower Upper

63 100

65 30.0 22.5 41.7

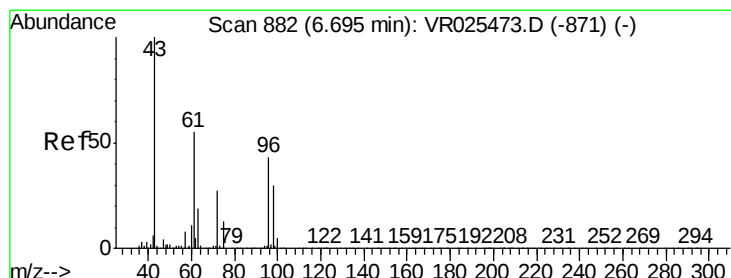
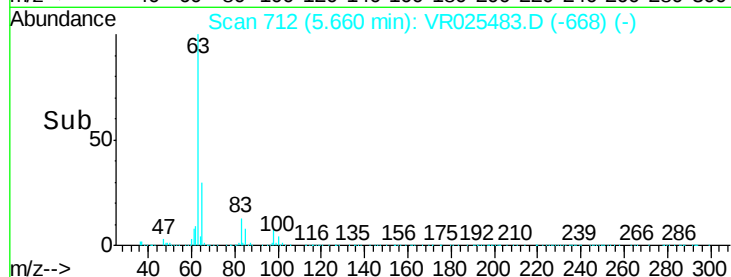
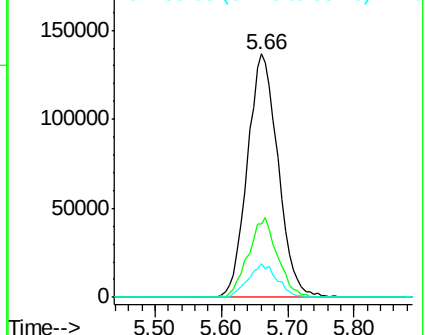
83 13.7 9.5 17.7



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: 52.673 ug/L

RT: 6.66 min Scan# 877

Delta R.T. -0.03 min

Lab File: VR025483.D

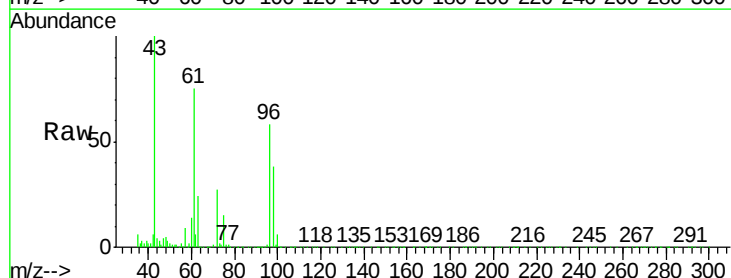
Acq: 16 Jul 2018 19:02

Tgt Ion: 43 Resp: 325033

Ion Ratio Lower Upper

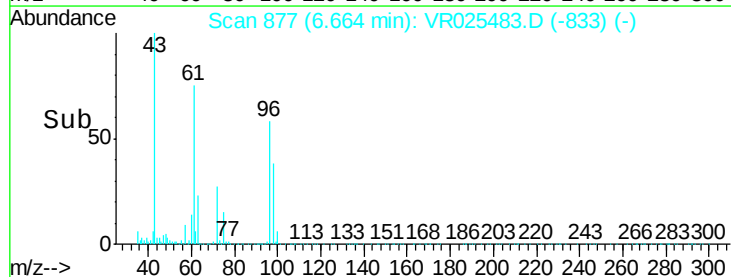
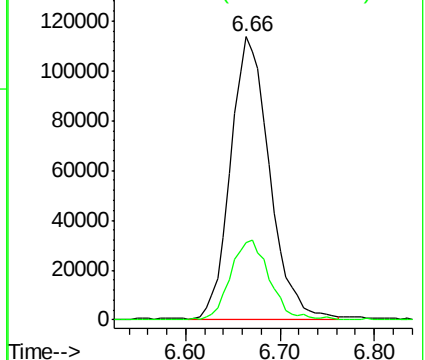
43 100

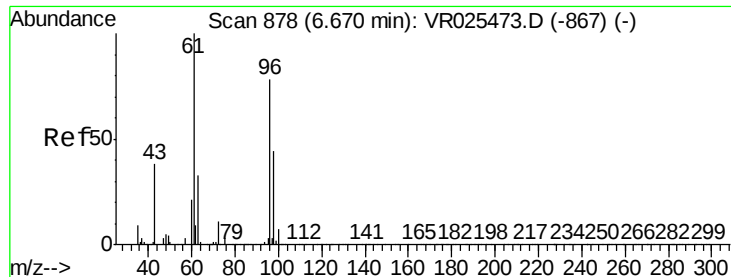
72 28.7 13.0 38.9



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



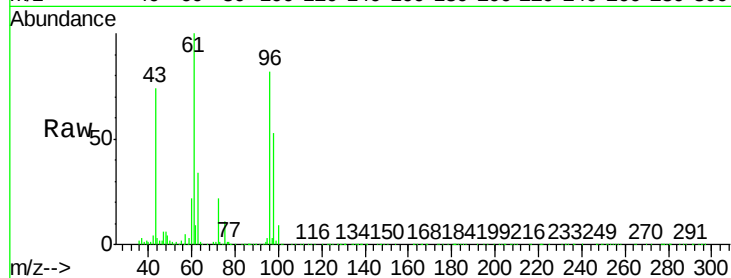


#22

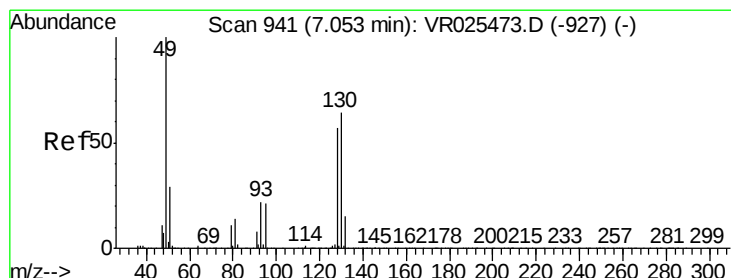
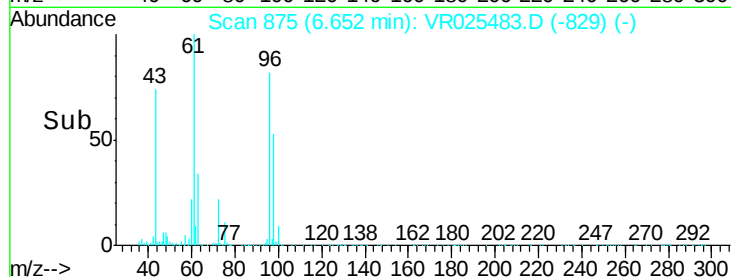
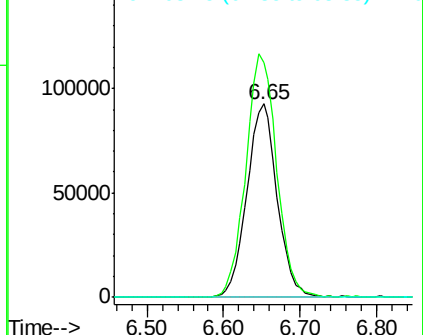
cis-1,2-Dichloroethene
Concen: 5.451 ug/L
RT: 6.65 min Scan# 875
Delta R.T. -0.02 min
Lab File: VR025483.D
Acq: 16 Jul 2018 19:02

Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

Tgt Ion: 96 Resp: 255471
Ion Ratio Lower Upper
96 100
61 121.2 91.0 169.0
68 0.0 0.0 0.0



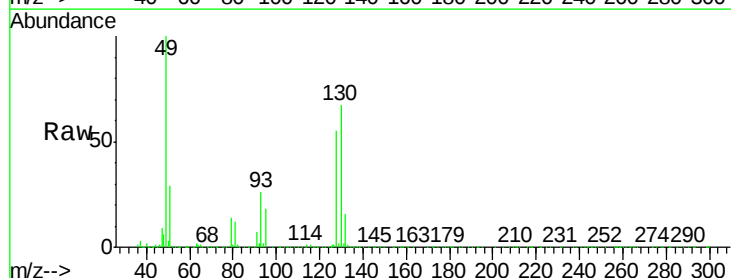
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



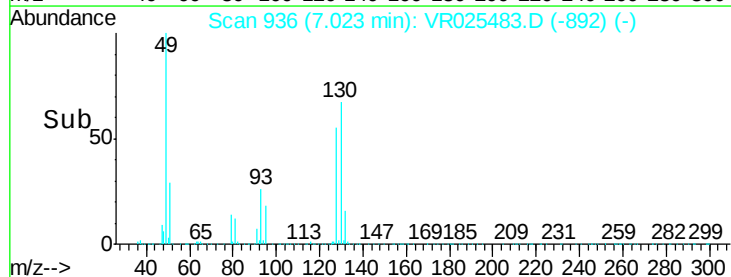
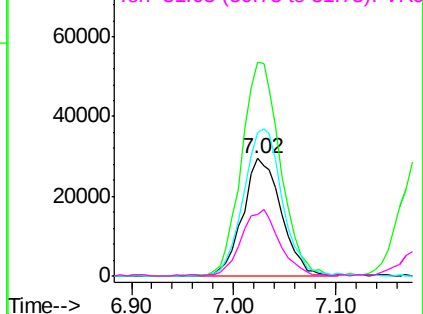
#23

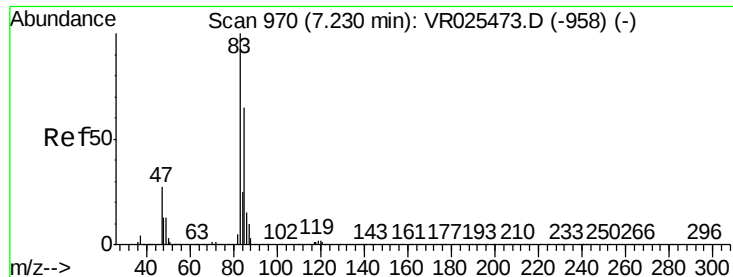
Bromochloromethane
Concen: 5.134 ug/L
RT: 7.02 min Scan# 936
Delta R.T. -0.03 min
Lab File: VR025483.D
Acq: 16 Jul 2018 19:02

Tgt Ion: 128 Resp: 77463
Ion Ratio Lower Upper
128 100
49 181.9 128.7 238.9
130 122.3 87.2 161.9
51 52.2 48.2 72.2



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

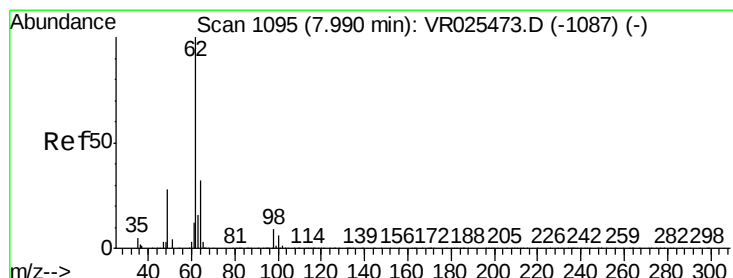
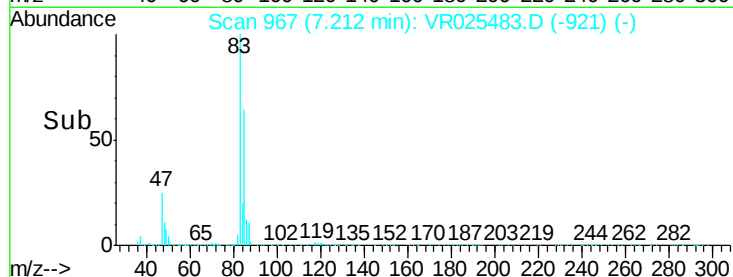
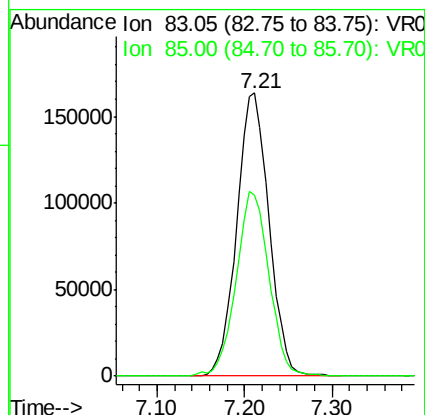
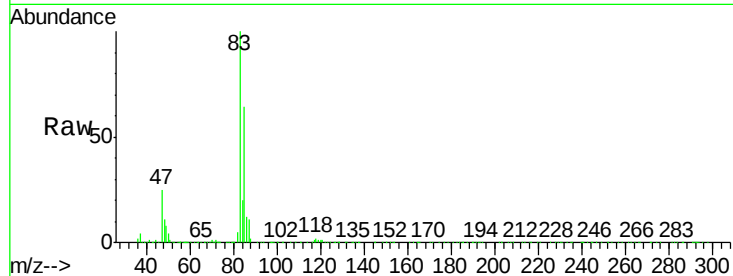




#25
Chloroform
Concen: 4.984 ug/L
RT: 7.21 min Scan# 967
Delta R.T. -0.02 min
Lab File: VR025483.D
Acq: 16 Jul 2018 19:02

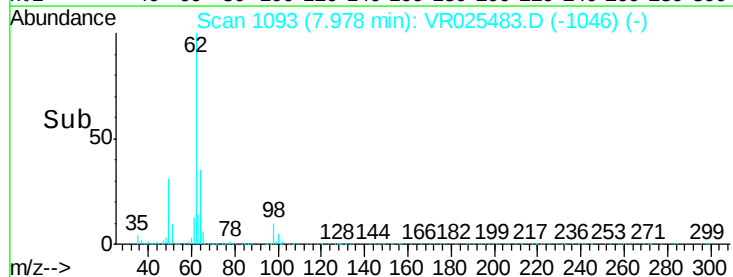
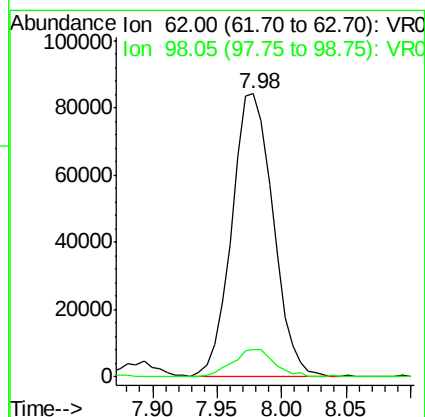
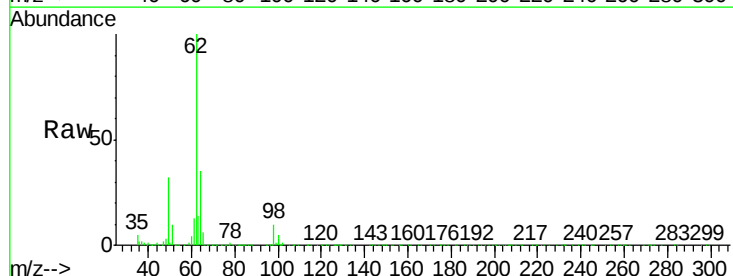
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

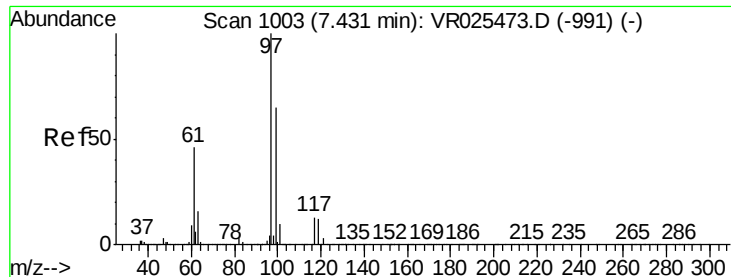
Tgt Ion: 83 Resp: 419425
Ion Ratio Lower Upper
83 100
85 64.1 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.930 ug/L
RT: 7.98 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VR025483.D
Acq: 16 Jul 2018 19:02

Tgt Ion: 62 Resp: 186008
Ion Ratio Lower Upper
62 100
98 9.7 5.4 8.2#

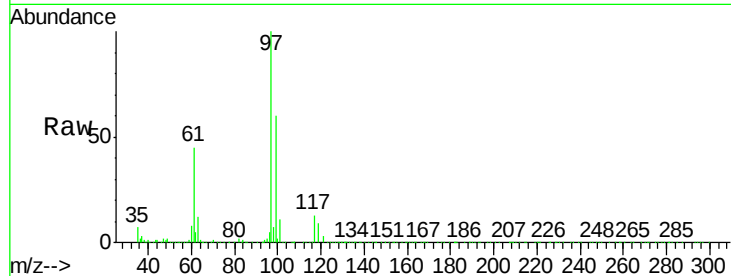




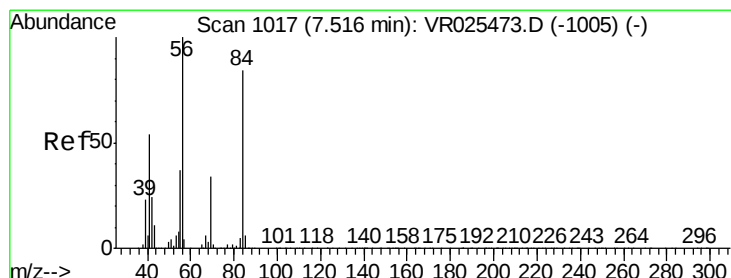
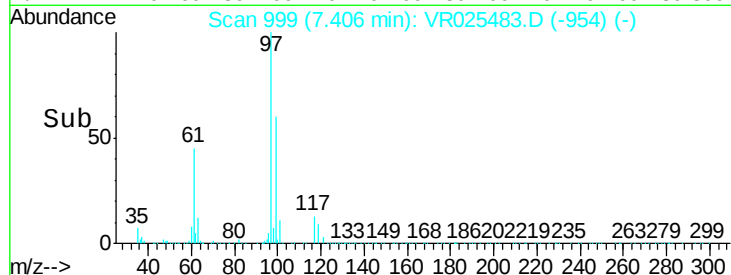
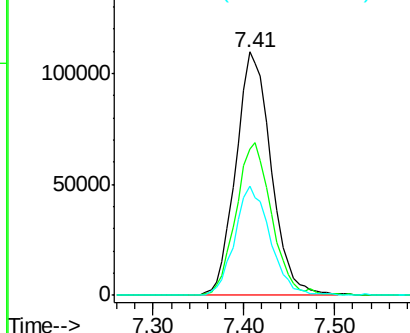
#29
 1,1,1-Trichloroethane
 Concen: 4.983 ug/L
 RT: 7.41 min Scan# 999
 Delta R.T. -0.02 min
 Lab File: VR025483.D
 Acq: 16 Jul 2018 19:02

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

Tgt Ion: 97 Resp: 296236
 Ion Ratio Lower Upper
 97 100
 99 63.7 52.1 78.1
 61 45.1 37.0 55.6

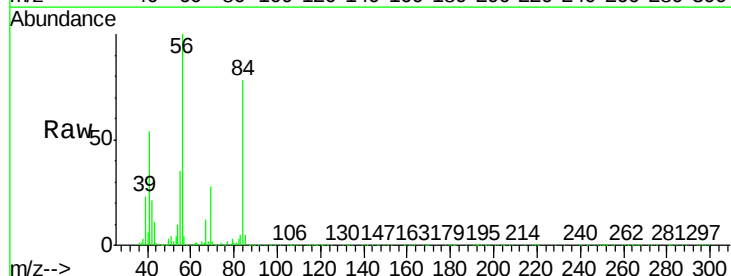


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

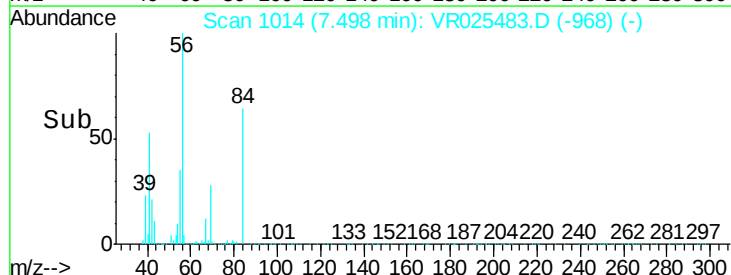
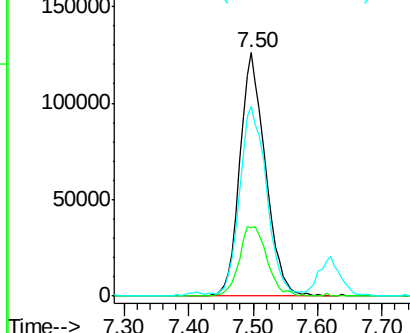


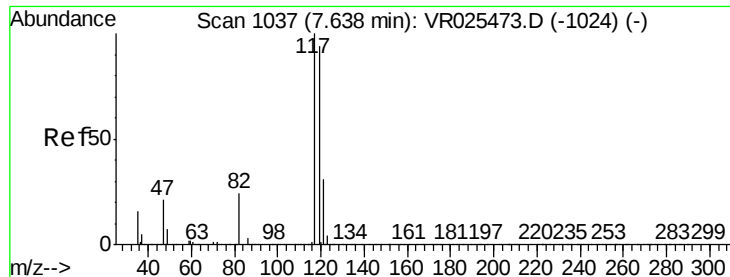
#30
 Cyclohexane
 Concen: 5.406 ug/L
 RT: 7.50 min Scan# 1014
 Delta R.T. -0.02 min
 Lab File: VR025483.D
 Acq: 16 Jul 2018 19:02

Tgt Ion: 56 Resp: 344744
 Ion Ratio Lower Upper
 56 100
 69 31.0 23.7 35.5
 84 82.1 62.6 93.8



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: 5.317 ug/L

RT: 7.62 min Scan# 1034

Delta R.T. -0.02 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

Instrument :

MSVOA_R

ClientSampleId :

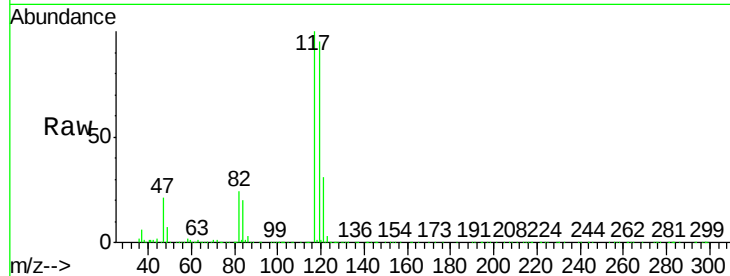
VSTD00593

Tgt Ion:117 Resp: 279608

Ion Ratio Lower Upper

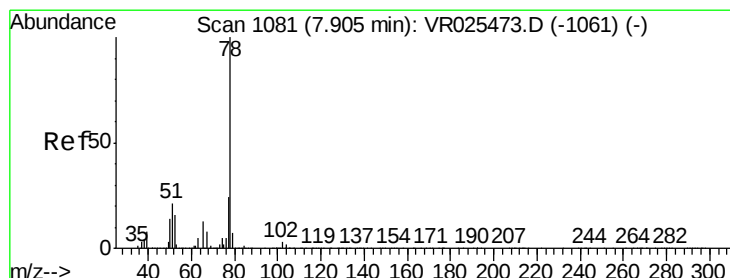
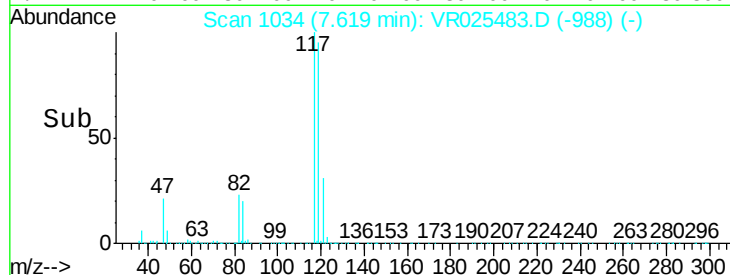
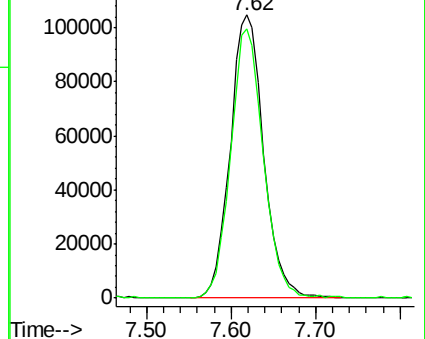
117 100

119 93.8 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.066 ug/L

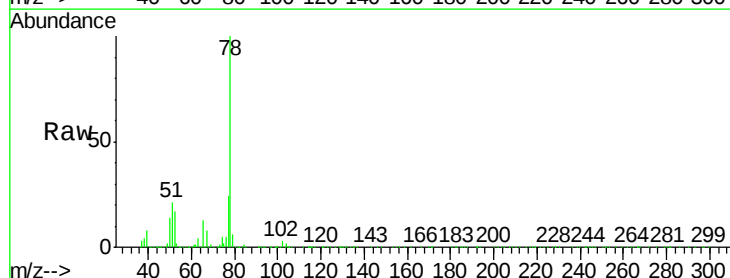
RT: 7.89 min Scan# 1078

Delta R.T. -0.02 min

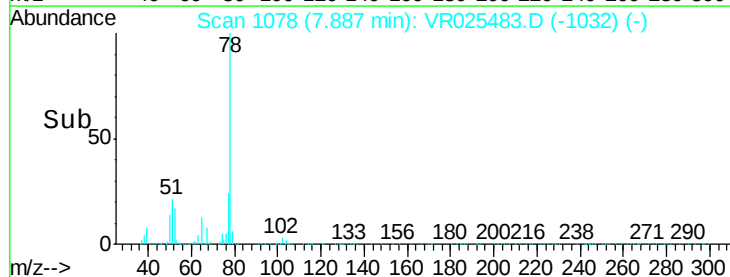
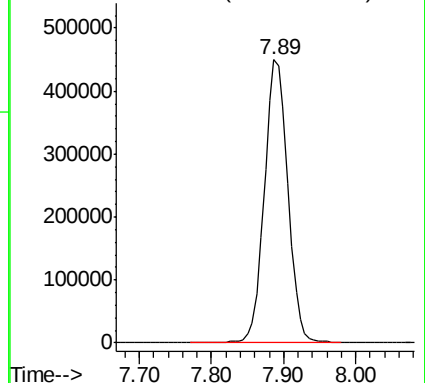
Lab File: VR025483.D

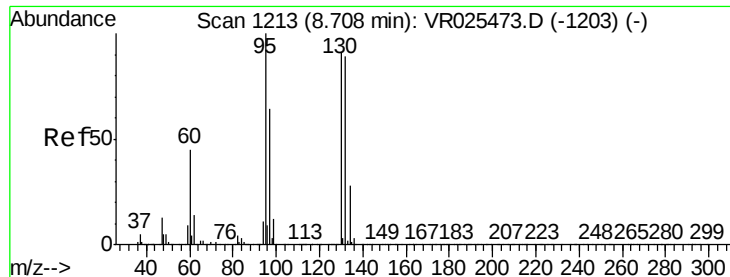
Acq: 16 Jul 2018 19:02

Tgt Ion: 78 Resp: 1020572



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.859 ug/L

RT: 8.70 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

Tgt Ion: 95 Resp: 249186

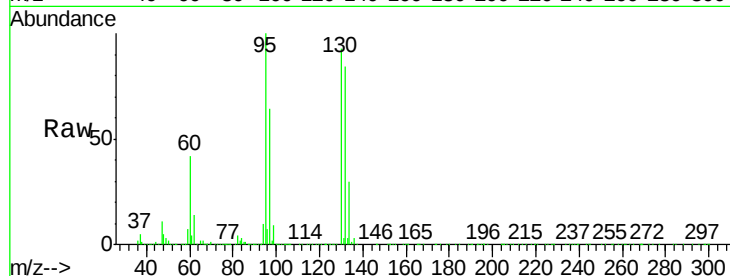
Ion Ratio Lower Upper

95 100

97 63.9 45.6 84.6

132 83.8 60.9 113.1

130 93.2 62.0 115.2

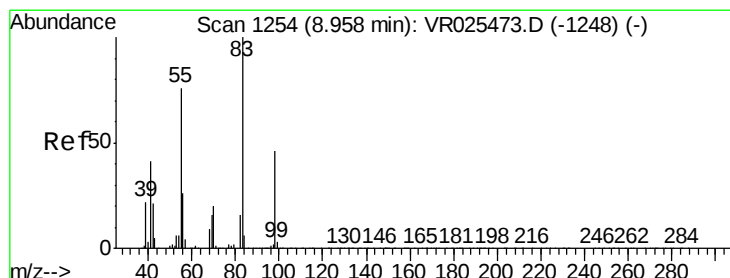
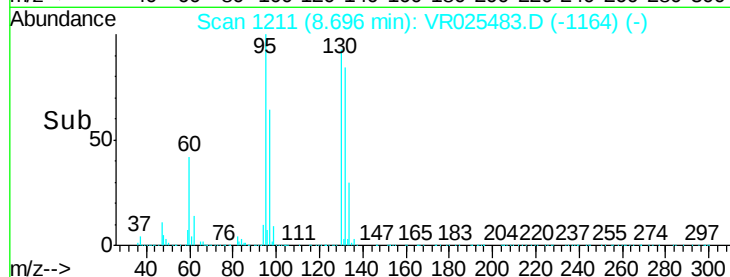
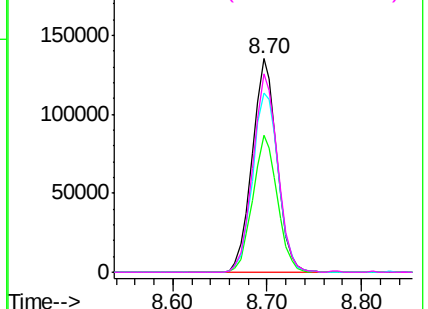


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.482 ug/L

RT: 8.94 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

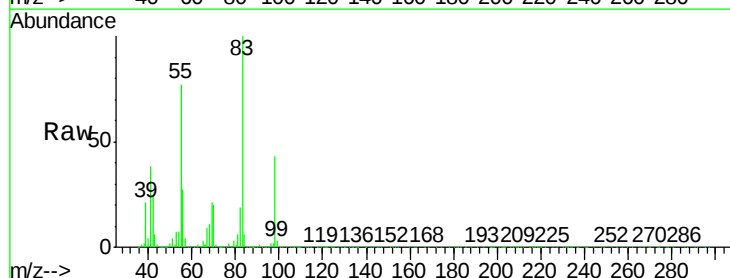
Tgt Ion: 83 Resp: 375893

Ion Ratio Lower Upper

83 100

55 77.3 66.1 99.1

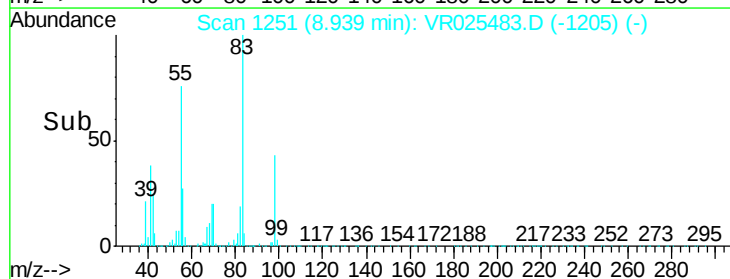
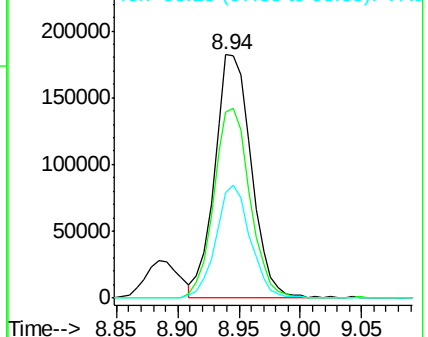
98 44.0 36.2 54.4

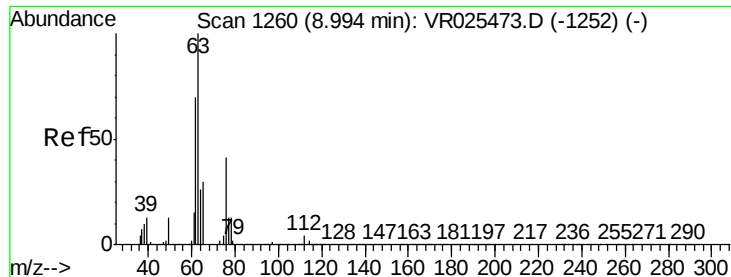


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 4.909 ug/L

RT: 8.98 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

Instrument :

MSVOA_R

ClientSampleId :

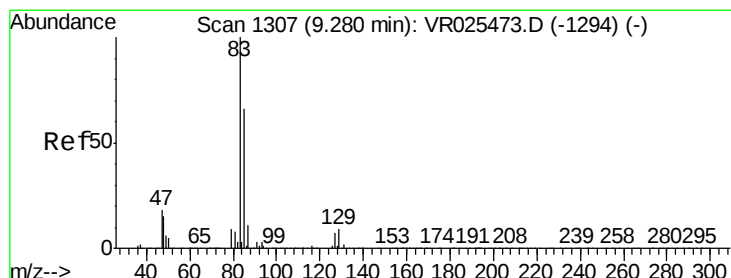
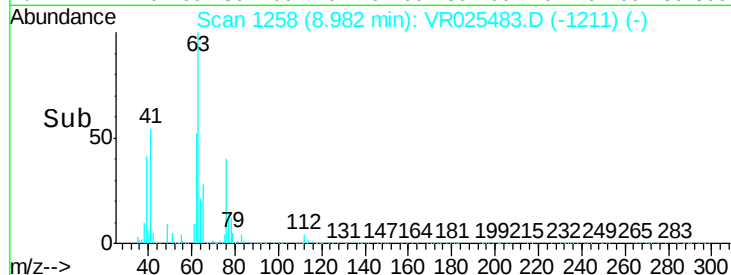
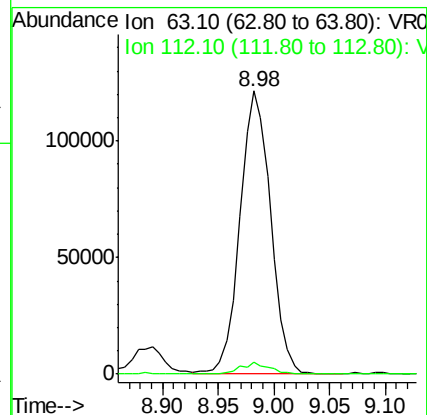
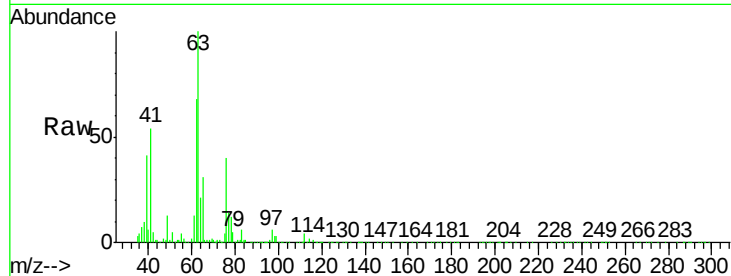
VSTD00593

Tgt Ion: 63 Resp: 229864

Ion Ratio Lower Upper

63 100

112 4.0 2.9 4.3



#38

Bromodichloromethane

Concen: 4.950 ug/L

RT: 9.27 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

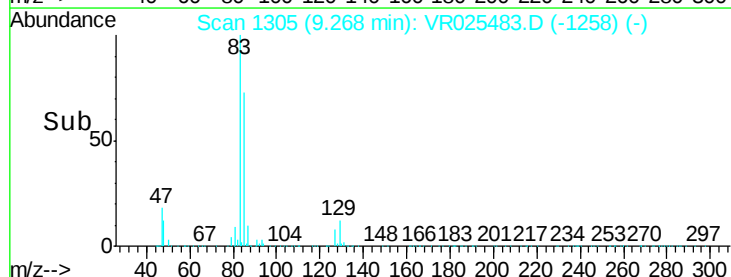
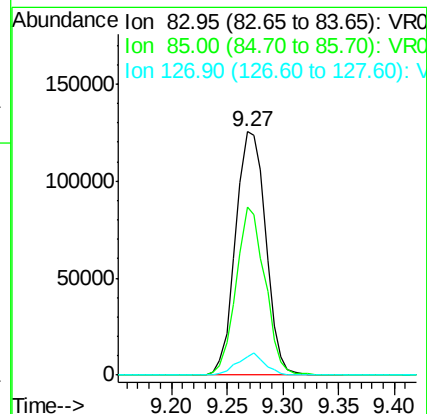
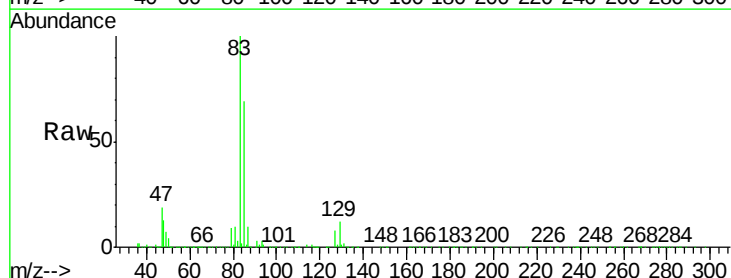
Tgt Ion: 83 Resp: 236229

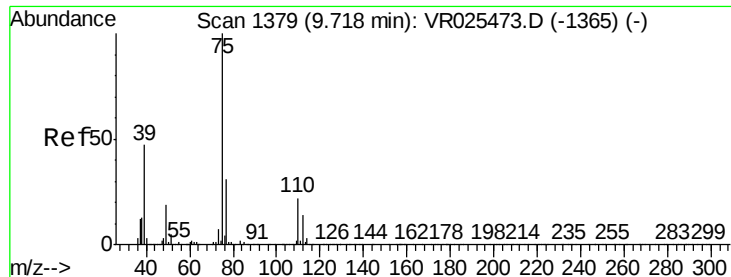
Ion Ratio Lower Upper

83 100

85 69.0 46.1 85.7

127 7.5 5.7 8.5

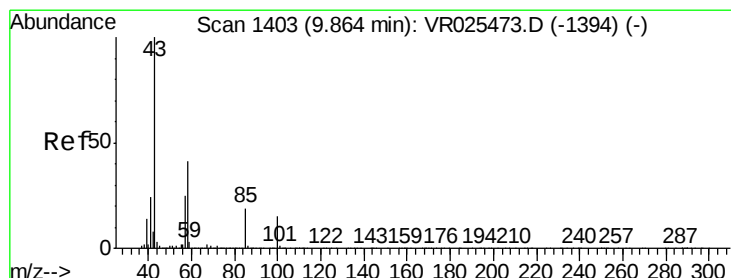
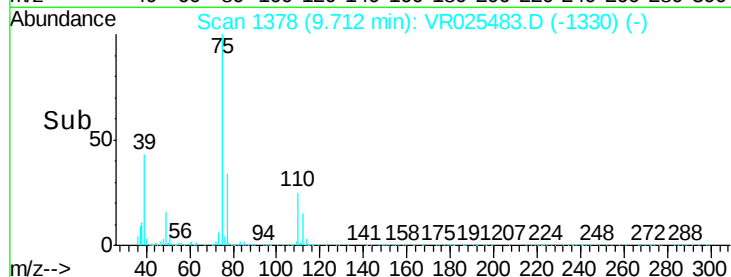
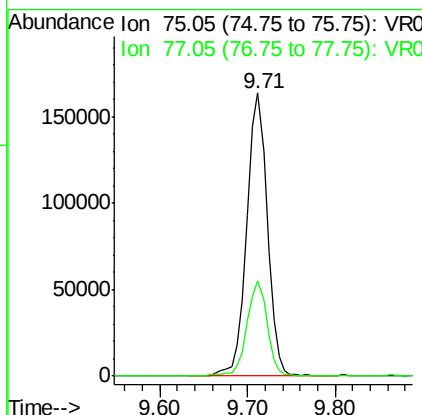
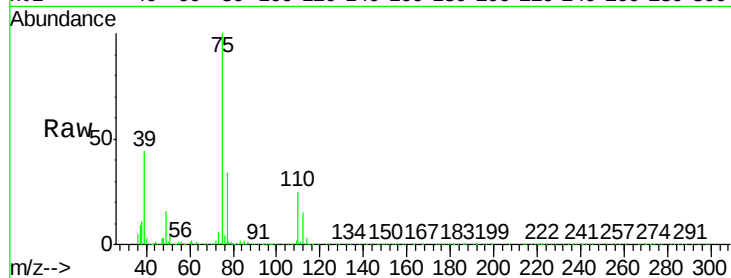




#39
 cis-1,3-Dichloropropene
 Concen: 5.078 ug/L
 RT: 9.71 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VR025483.D
 Acq: 16 Jul 2018 19:02

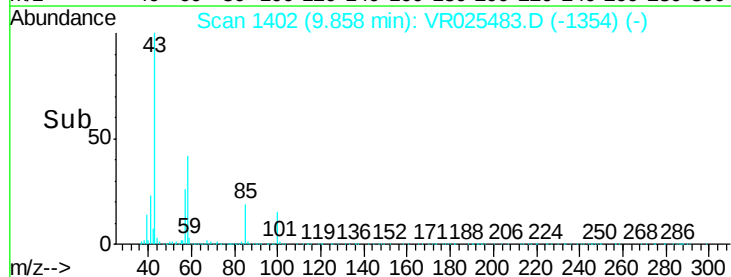
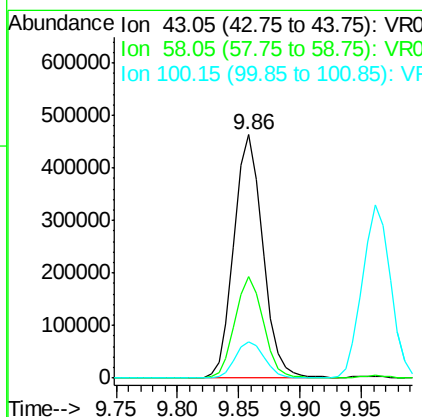
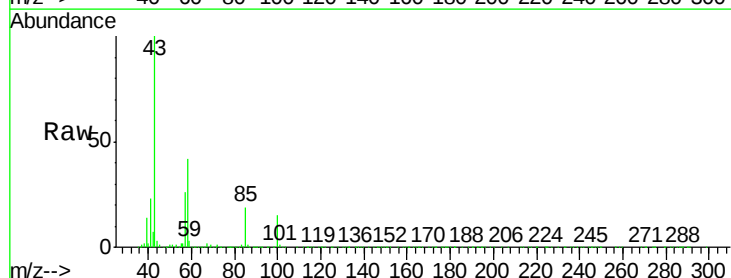
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

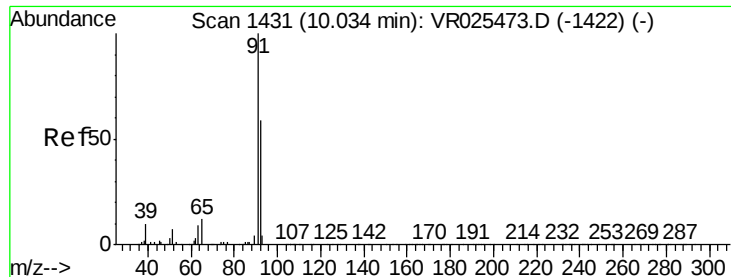
Tgt Ion: 75 Resp: 267379
 Ion Ratio Lower Upper
 75 100
 77 33.8 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 55.935 ug/L
 RT: 9.86 min Scan# 1402
 Delta R.T. -0.01 min
 Lab File: VR025483.D
 Acq: 16 Jul 2018 19:02

Tgt Ion: 43 Resp: 759073
 Ion Ratio Lower Upper
 43 100
 58 41.0 30.3 45.5
 100 15.2 10.3 15.5





#42

Toluene

Concen: 5.279 ug/L

RT: 10.03 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

Instrument :

MSVOA_R

ClientSampleId :

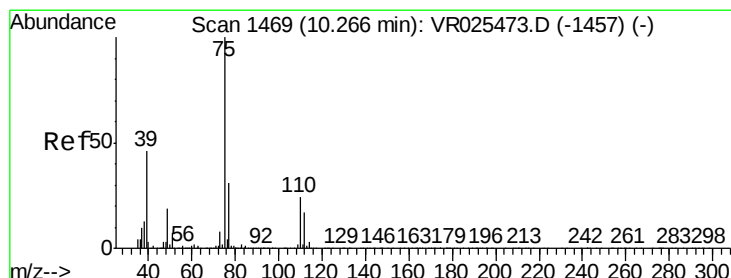
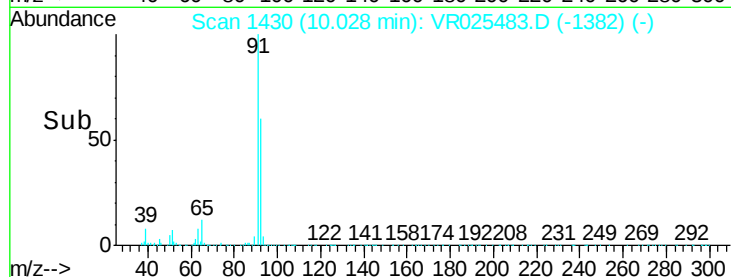
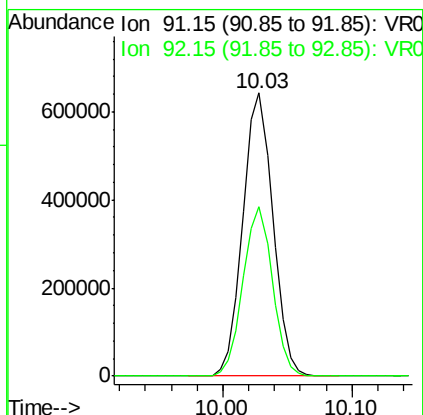
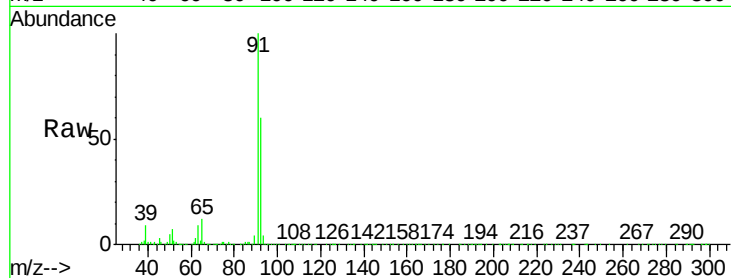
VSTD00593

Tgt Ion: 91 Resp: 1034214

Ion Ratio Lower Upper

91 100

92 59.7 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 4.975 ug/L

RT: 10.26 min Scan# 1468

Delta R.T. -0.01 min

Lab File: VR025483.D

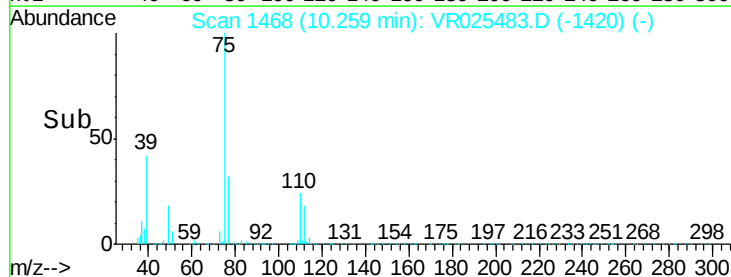
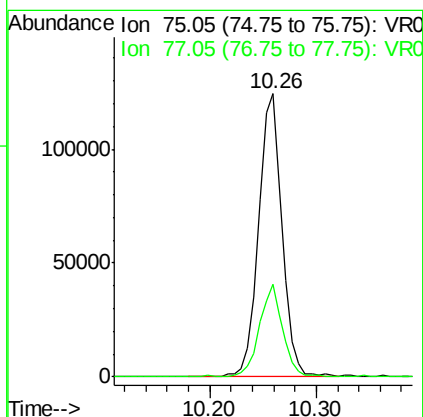
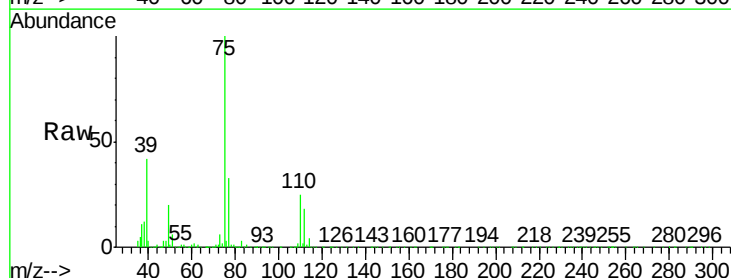
Acq: 16 Jul 2018 19:02

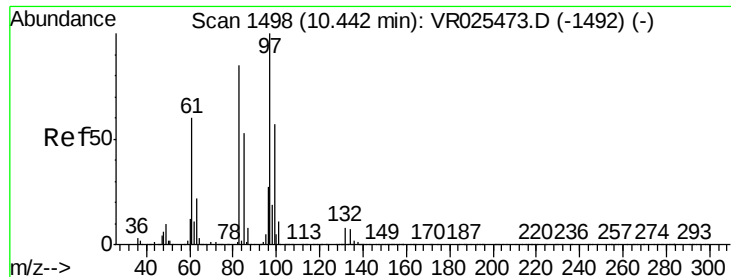
Tgt Ion: 75 Resp: 192360

Ion Ratio Lower Upper

75 100

77 32.6 20.6 38.4

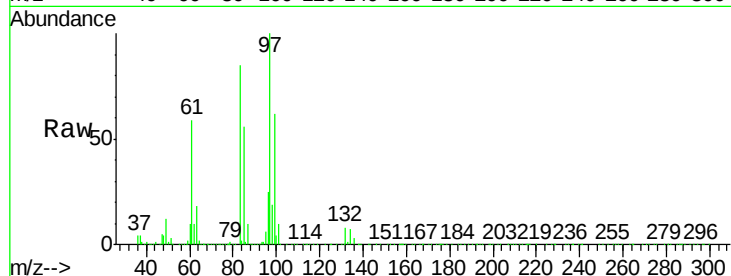




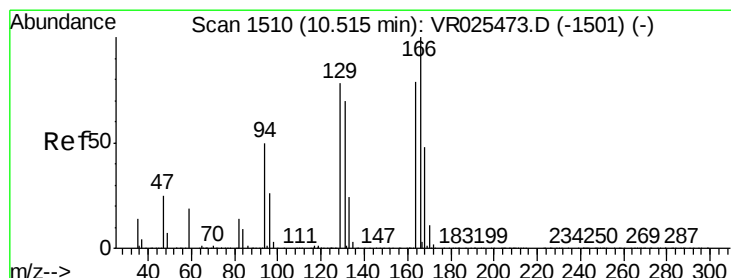
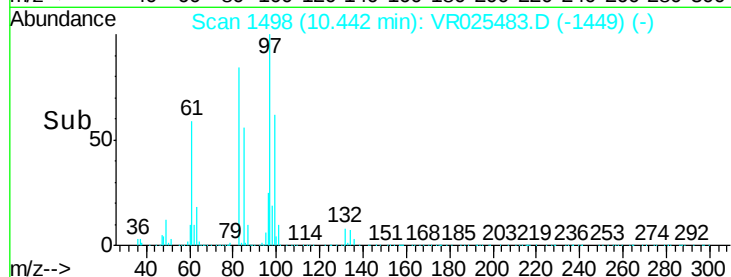
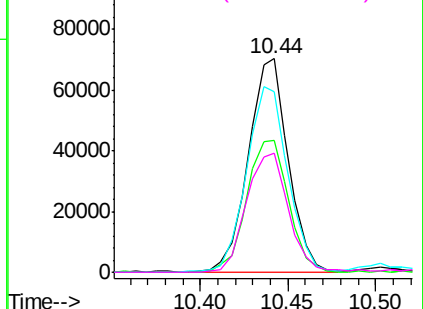
#45
 1,1,2-Trichloroethane
 Concen: 4.854 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VR025483.D
 Acq: 16 Jul 2018 19:02

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

Tgt Ion:	97	Resp:	111380
Ion	Ratio	Lower	Upper
97	100		
99	61.9	41.9	77.9
83	84.6	64.5	119.9
85	55.8	38.6	71.8

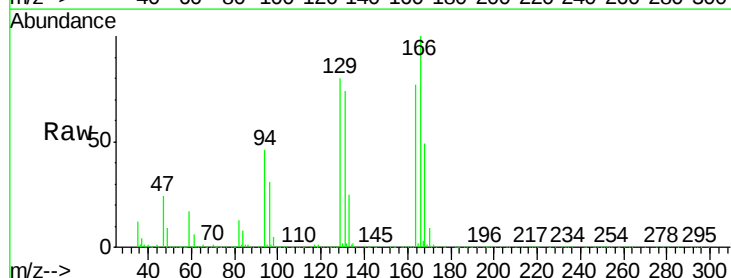


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 82.95 (82.65 to 83.65): VR0
 Ion 85.00 (84.70 to 85.70): VR0

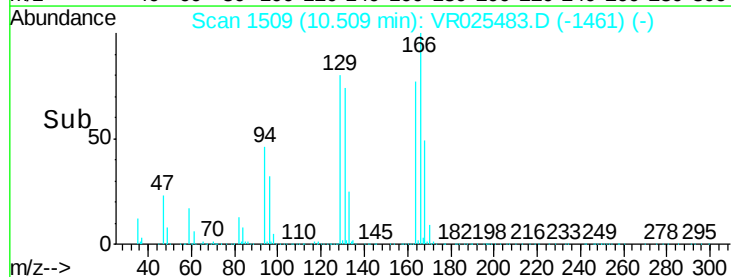
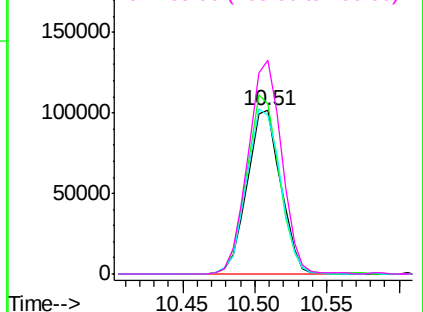


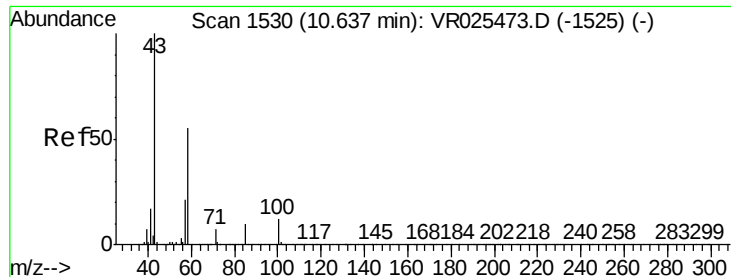
#47
 Tetrachloroethene
 Concen: 4.866 ug/L
 RT: 10.51 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VR025483.D
 Acq: 16 Jul 2018 19:02

Tgt Ion:	164	Resp:	162963
Ion	Ratio	Lower	Upper
164	100		
129	104.4	68.1	126.5
131	97.1	68.5	127.1
166	130.7	89.9	166.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

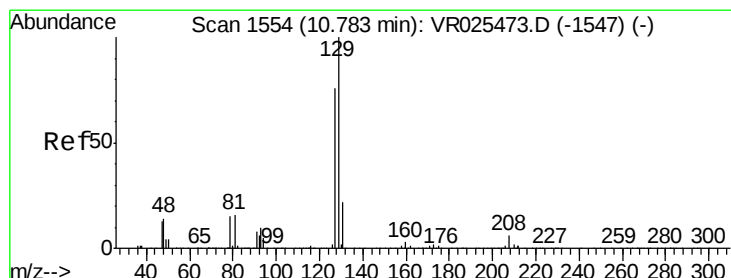
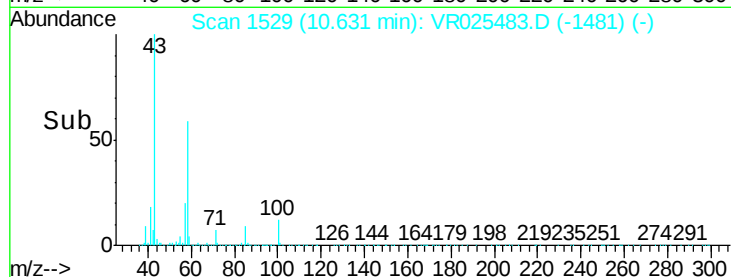
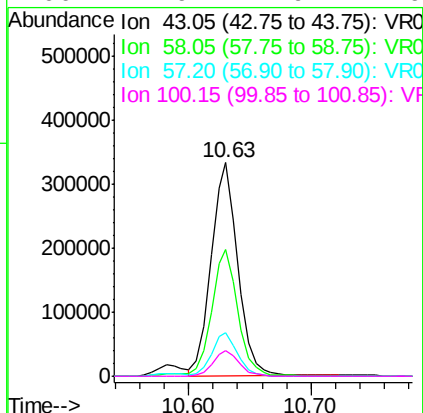
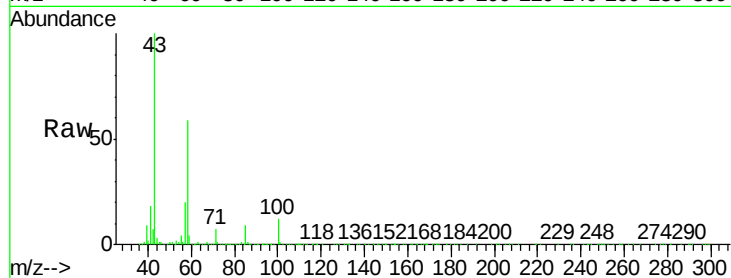




#48
2-Hexanone
Concen: 54.023 ug/L
RT: 10.63 min Scan# 1529
Delta R.T. -0.01 min
Lab File: VR025483.D
Acq: 16 Jul 2018 19:02

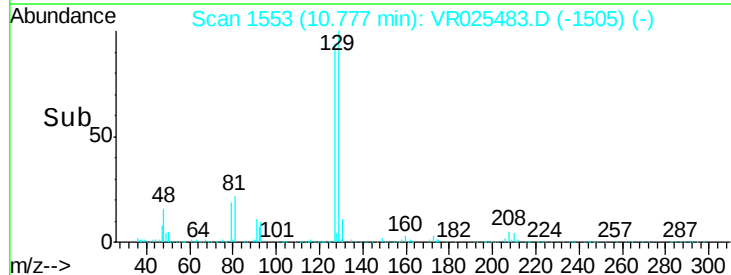
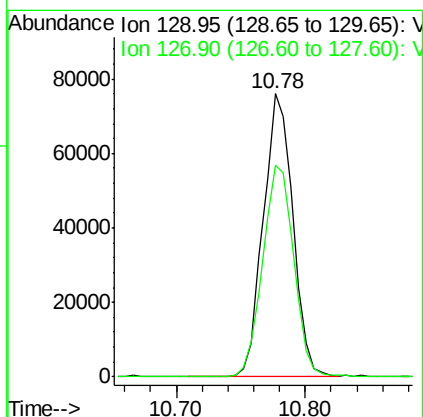
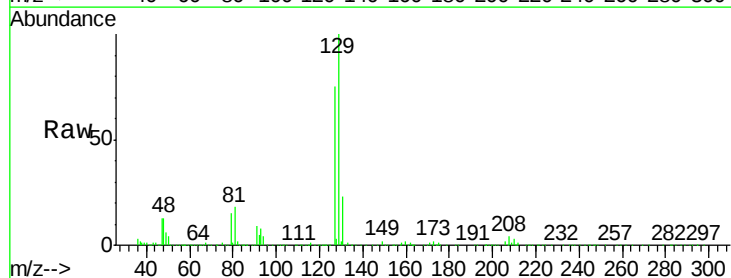
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

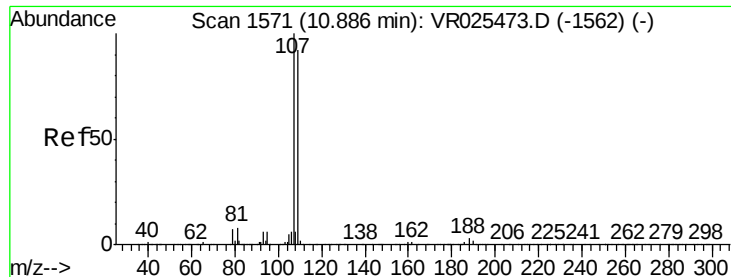
Tgt Ion:	43	Resp:	504310
Ion	Ratio	Lower	Upper
43	100		
58	59.6	43.1	64.7
57	19.7	15.3	22.9
100	11.9	7.9	11.9#



#49
Dibromochloromethane
Concen: 5.071 ug/L
RT: 10.78 min Scan# 1553
Delta R.T. -0.01 min
Lab File: VR025483.D
Acq: 16 Jul 2018 19:02

Tgt Ion:	129	Resp:	121304
Ion	Ratio	Lower	Upper
129	100		
127	74.8	55.9	103.7

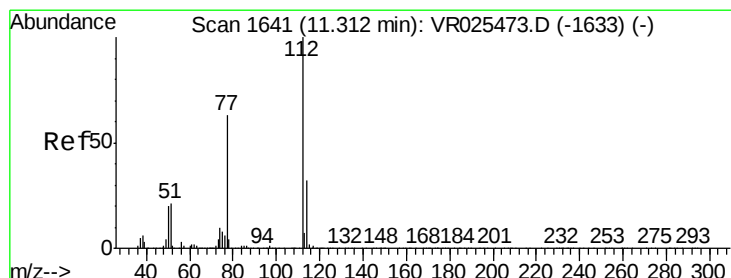
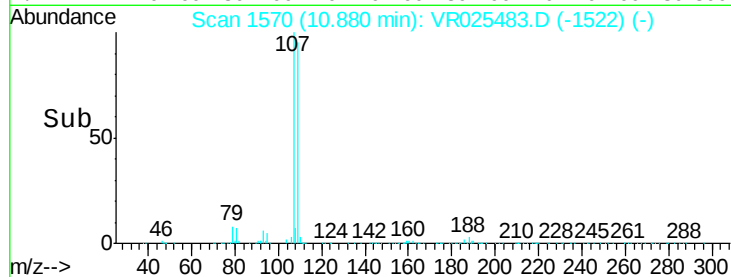
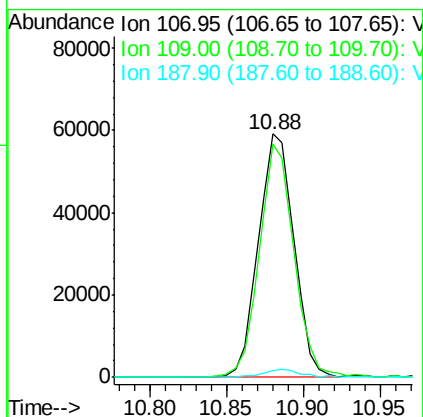
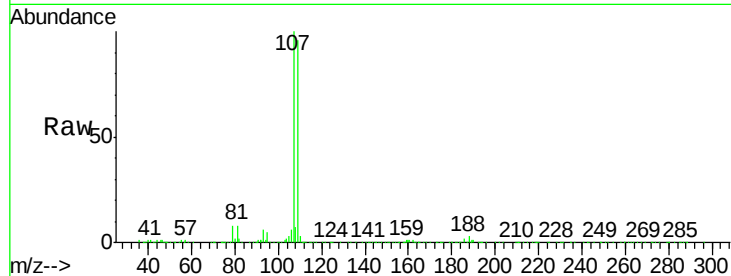




#50
1,2-Dibromoethane
Concen: 5.159 ug/L
RT: 10.88 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VR025483.D
Acq: 16 Jul 2018 19:02

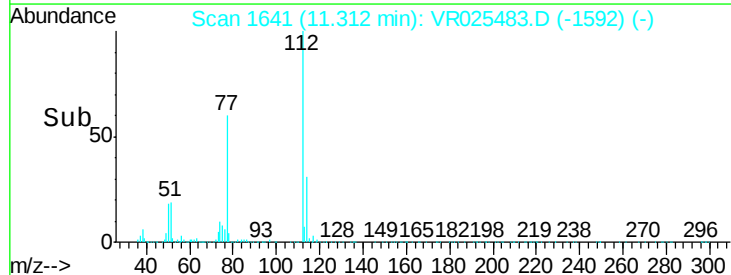
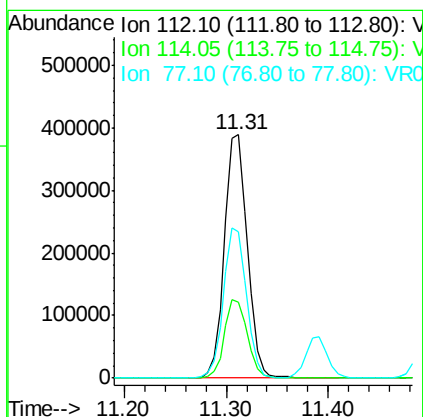
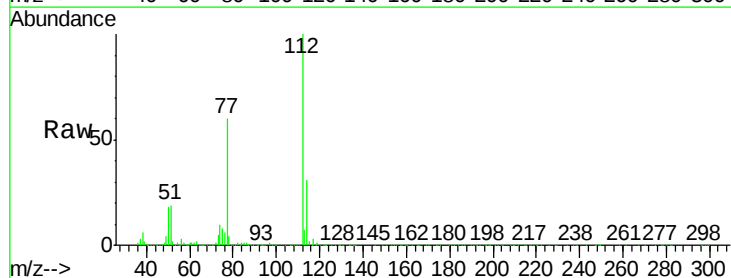
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

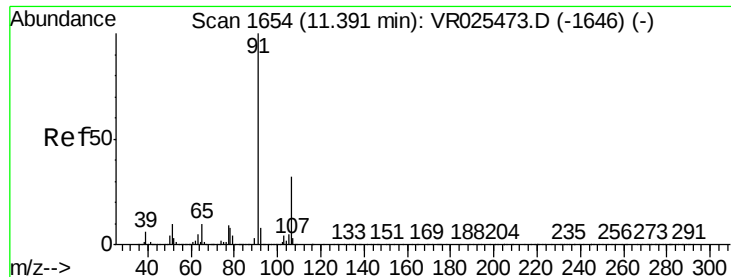
Tgt Ion:107 Resp: 95880
Ion Ratio Lower Upper
107 100
109 95.6 63.1 117.3
188 3.0 1.8 2.8#



#51
Chlorobenzene
Concen: 5.061 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025483.D
Acq: 16 Jul 2018 19:02

Tgt Ion:112 Resp: 603658
Ion Ratio Lower Upper
112 100
114 31.3 21.6 40.0
77 60.1 51.9 77.9





#52

Ethylbenzene

Concen: 5.344 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

Instrument :

MSVOA_R

ClientSampleId :

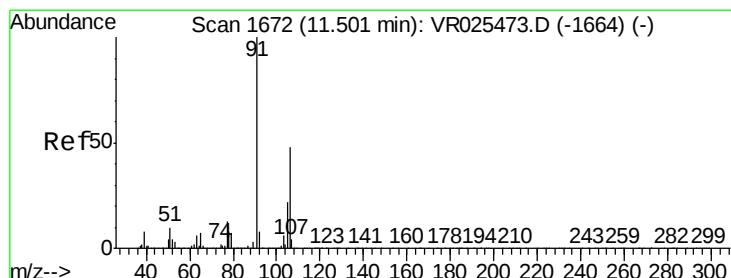
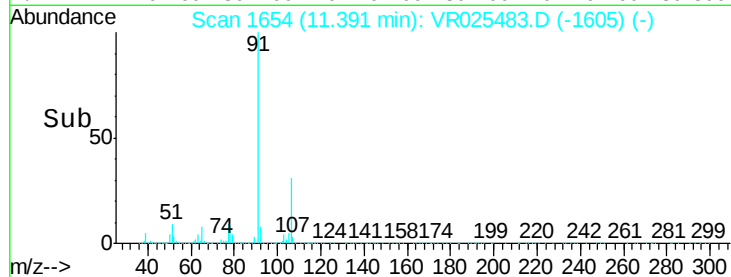
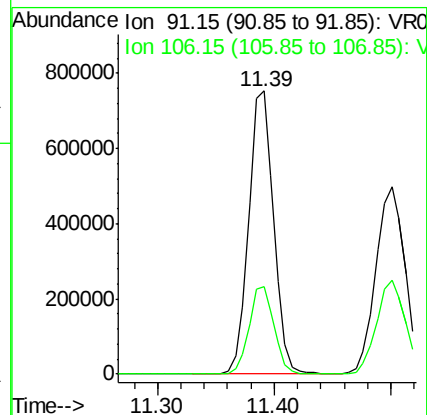
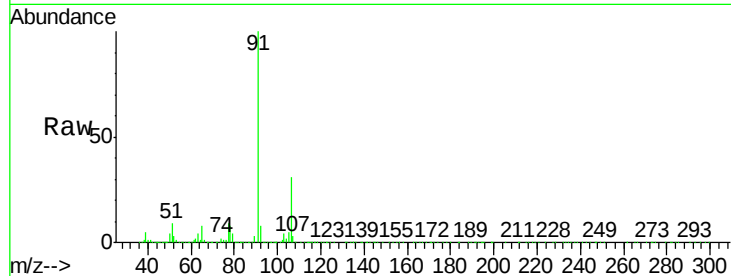
VSTD00593

Tgt Ion: 91 Resp: 1122651

Ion Ratio Lower Upper

91 100

106 31.0 22.5 41.7



#53

m,p-Xylene

Concen: 5.448 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VR025483.D

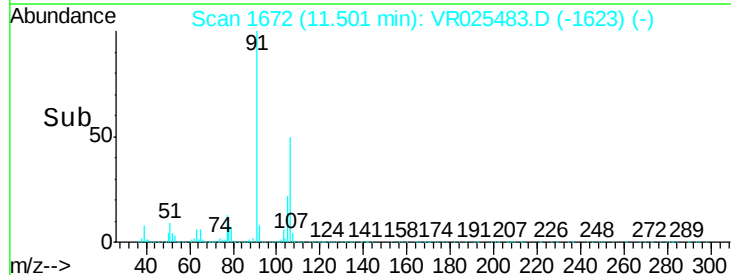
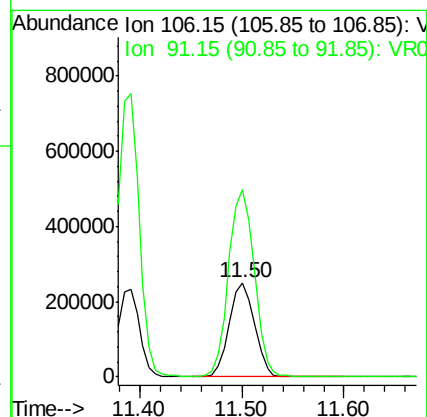
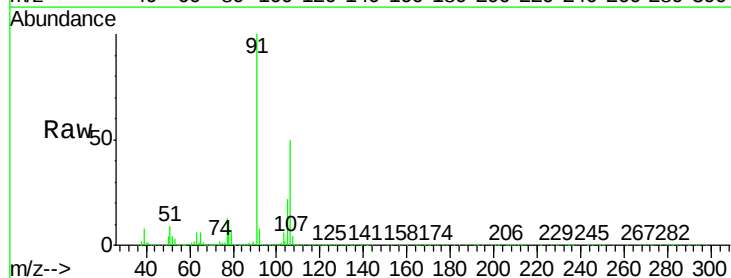
Acq: 16 Jul 2018 19:02

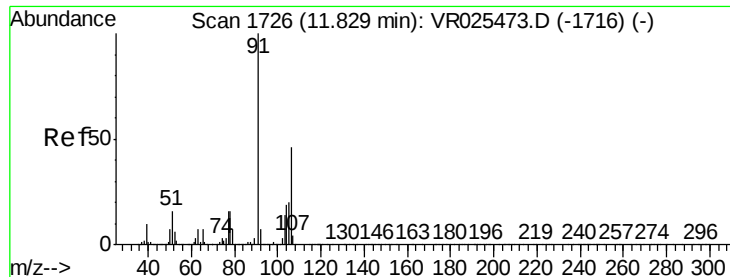
Tgt Ion: 106 Resp: 429478

Ion Ratio Lower Upper

106 100

91 199.6 152.6 283.4

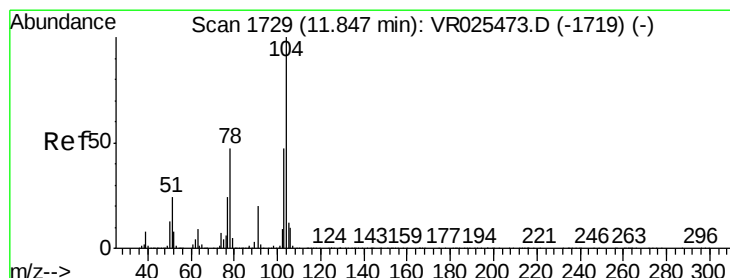
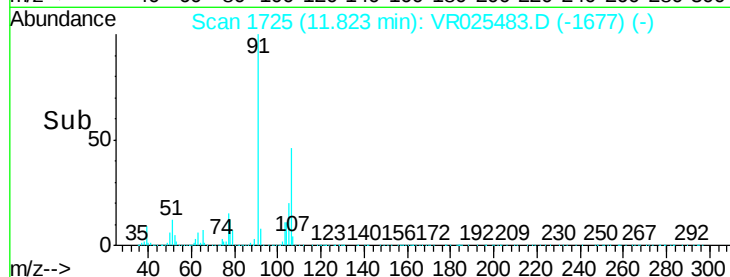
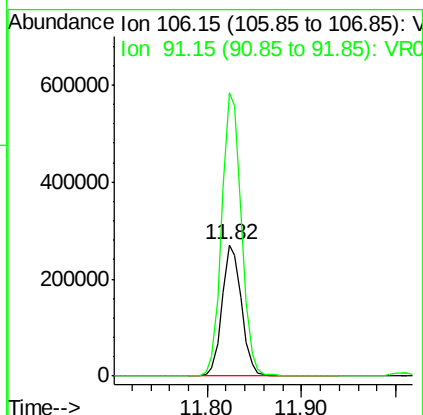
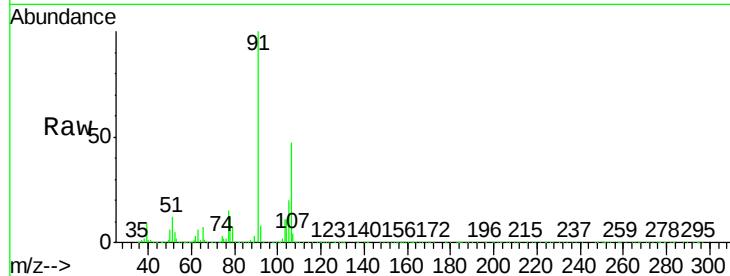




#54
o-Xylene
Concen: 5.642 ug/L
RT: 11.82 min Scan# 1725
Delta R.T. -0.01 min
Lab File: VR025483.D
Acq: 16 Jul 2018 19:02

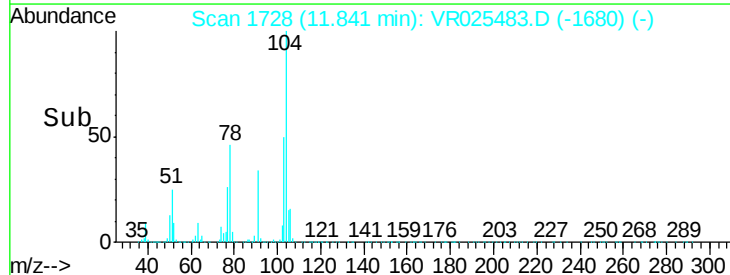
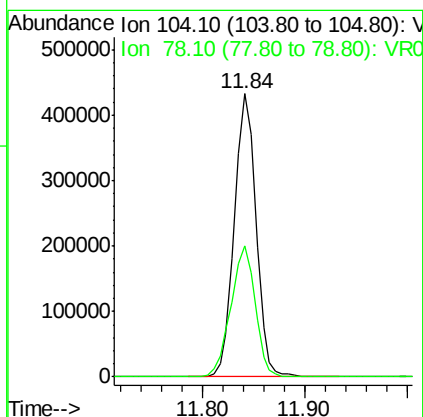
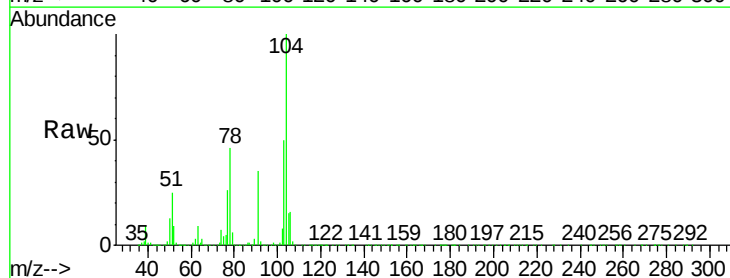
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

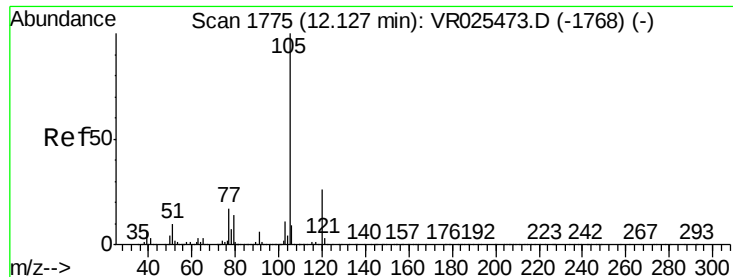
Tgt Ion:106 Resp: 383109
Ion Ratio Lower Upper
106 100
91 215.0 153.7 285.5



#55
Styrene
Concen: 5.676 ug/L
RT: 11.84 min Scan# 1728
Delta R.T. -0.01 min
Lab File: VR025483.D
Acq: 16 Jul 2018 19:02

Tgt Ion:104 Resp: 634169
Ion Ratio Lower Upper
104 100
78 46.3 35.4 65.7





#56

Isopropylbenzene

Concen: 5.705 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

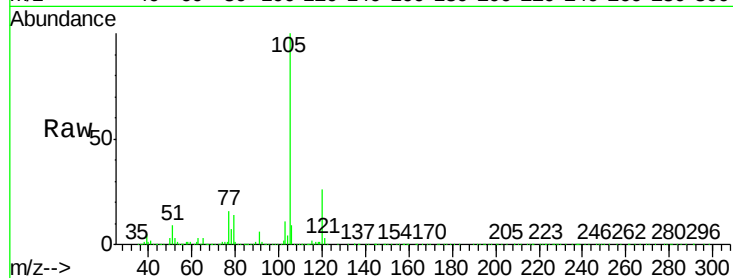
Tgt Ion:105 Resp: 1025690

Ion Ratio Lower Upper

105 100

120 26.2 20.2 30.4

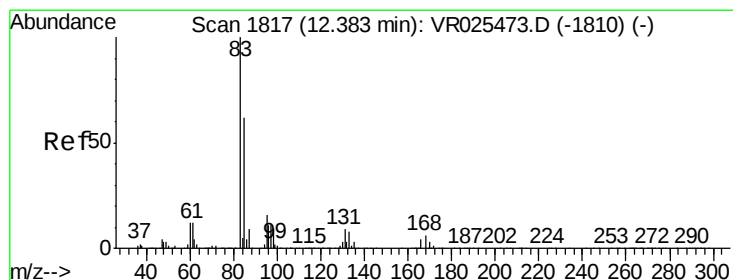
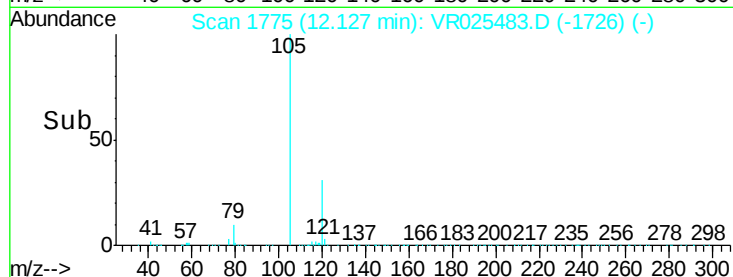
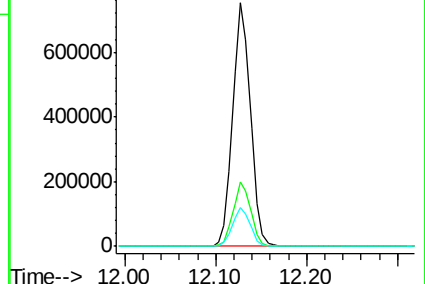
77 16.0 13.0 19.6



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: 5.025 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

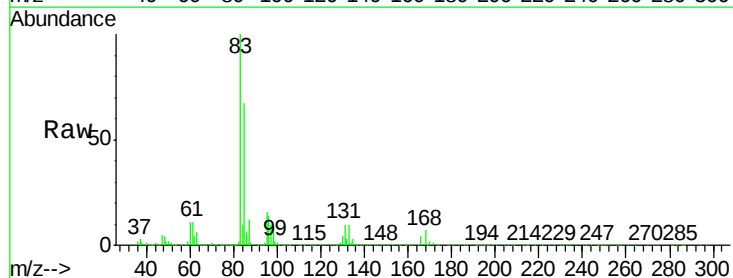
Tgt Ion: 83 Resp: 113559

Ion Ratio Lower Upper

83 100

85 67.1 41.8 77.6

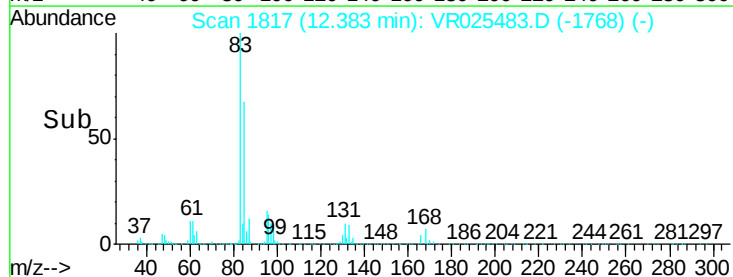
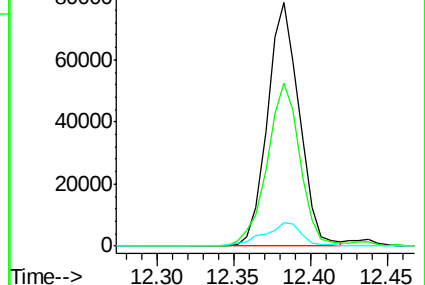
131 9.7 6.1 9.1#

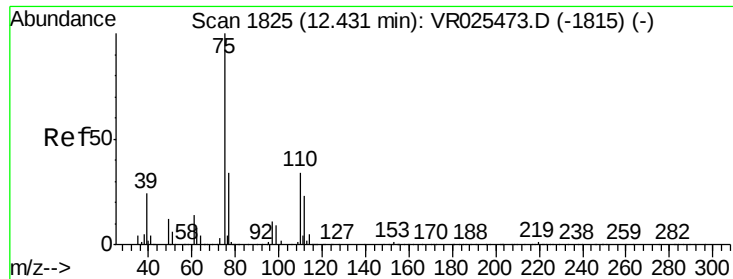


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.258 ug/L

RT: 12.43 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

Instrument :

MSVOA_R

ClientSampleId :

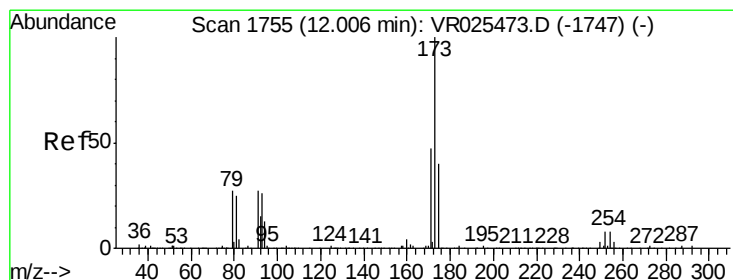
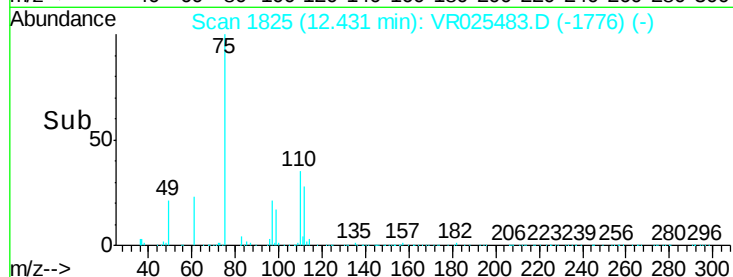
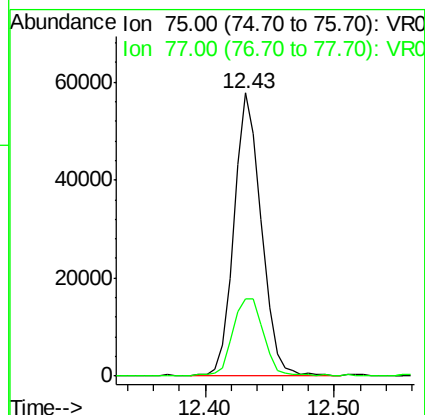
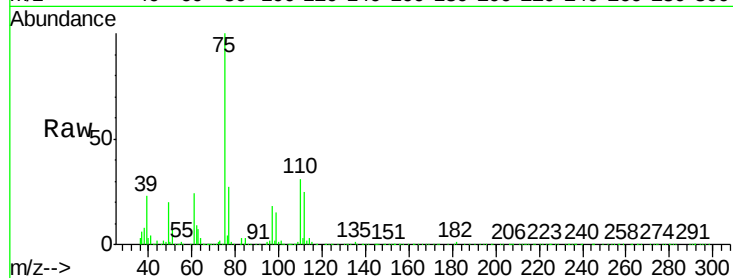
VSTD00593

Tgt Ion: 75 Resp: 85537

Ion Ratio Lower Upper

75 100

77 30.6 27.0 40.4



#61

Bromoform

Concen: 4.919 ug/L

RT: 12.01 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

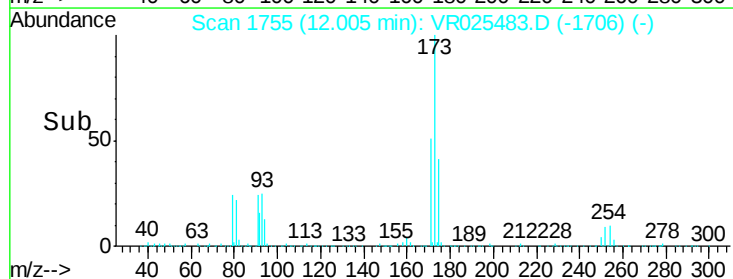
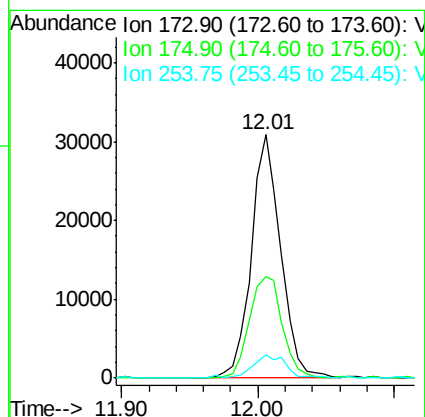
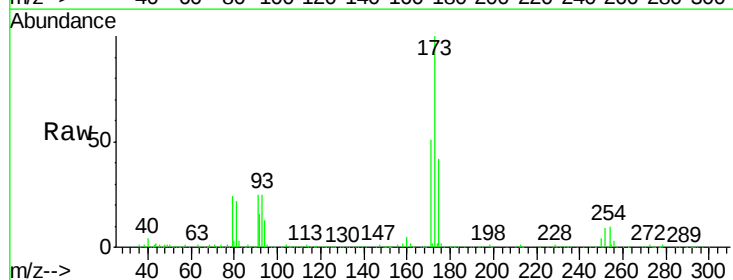
Tgt Ion: 173 Resp: 46530

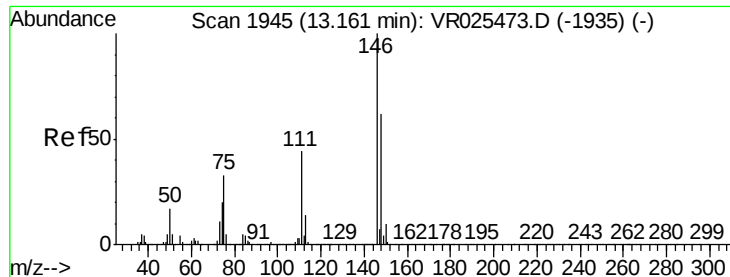
Ion Ratio Lower Upper

173 100

175 46.9 37.5 56.3

254 10.8 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 5.145 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

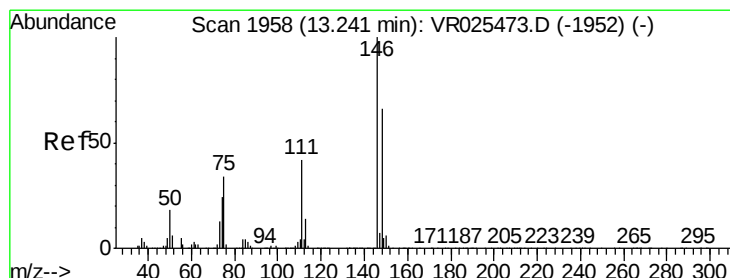
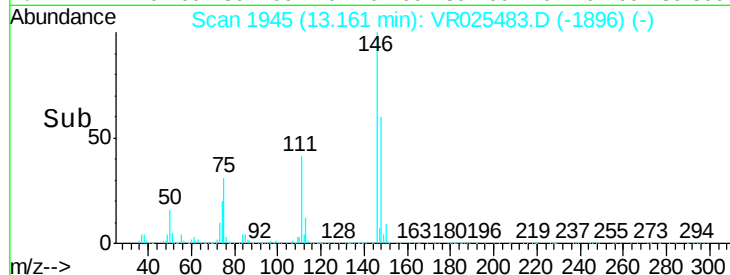
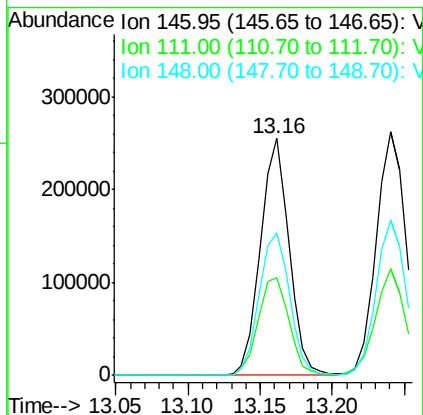
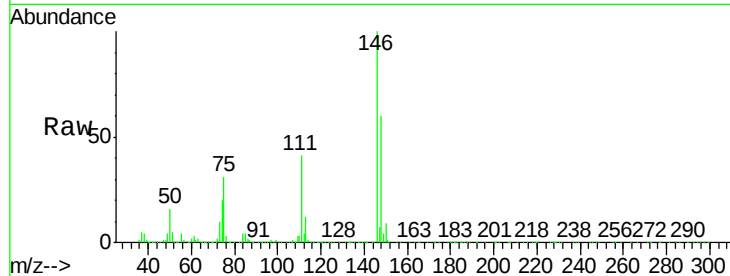
Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

Tgt Ion:	146	Resp:	350128
Ion Ratio	Lower	Upper	
146	100		
111	41.1	31.0	57.6
148	60.1	44.8	83.2



#63

1,4-Dichlorobenzene

Concen: 4.932 ug/L

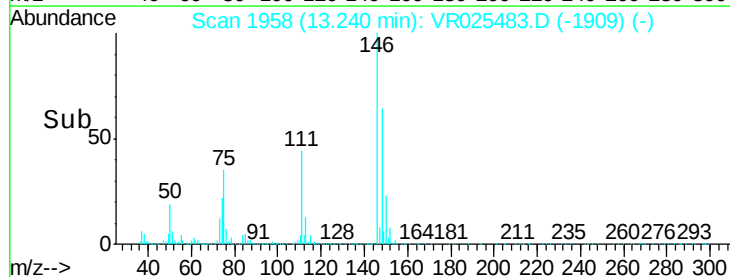
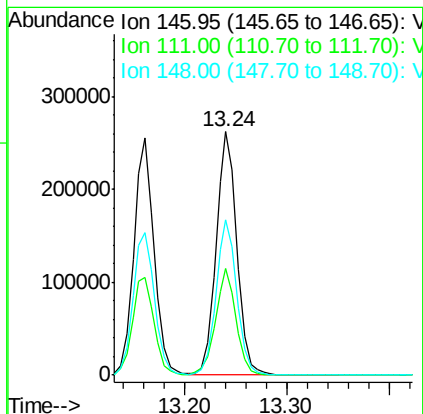
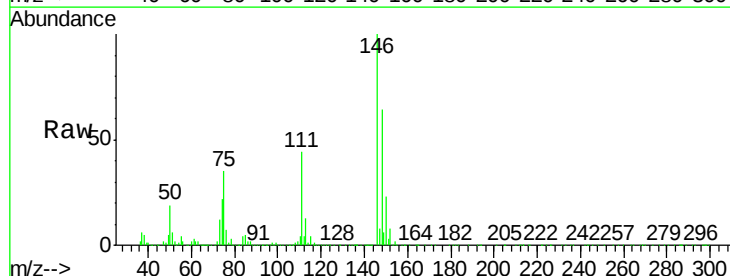
RT: 13.24 min Scan# 1958

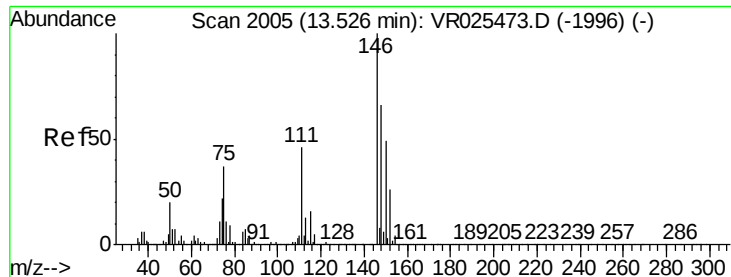
Delta R.T. -0.00 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

Tgt Ion:	146	Resp:	372578
Ion Ratio	Lower	Upper	
146	100		
111	43.6	30.5	56.7
148	63.7	42.8	79.4

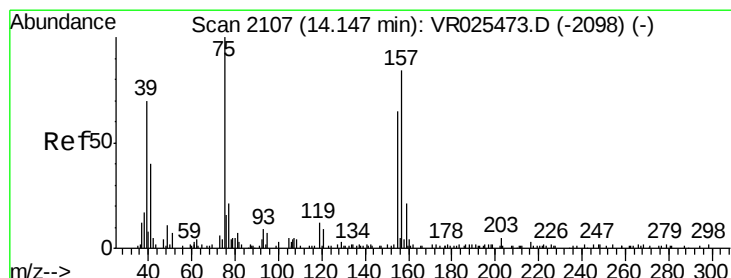
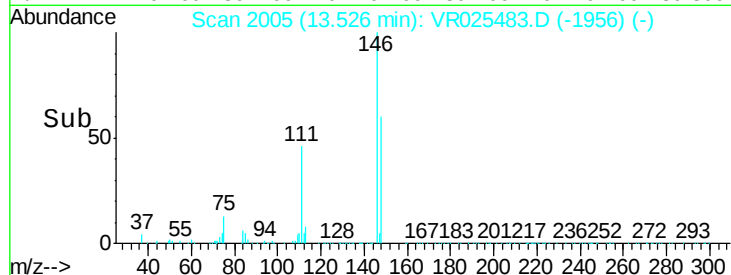
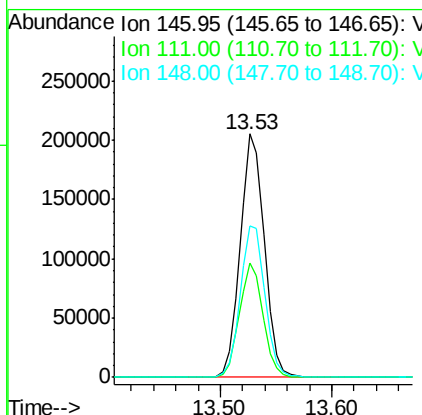
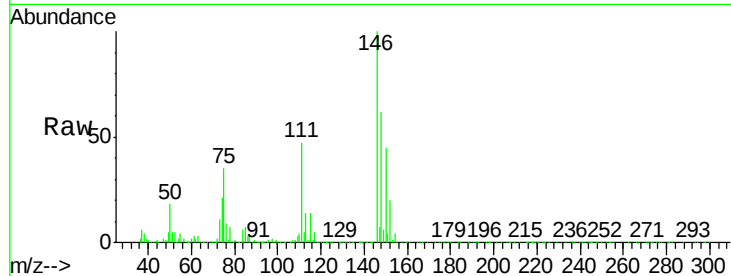




#65
 1,2-Dichlorobenzene
 Concen: 5.185 ug/L
 RT: 13.53 min Scan# 2005
 Delta R.T. -0.00 min
 Lab File: VR025483.D
 Acq: 16 Jul 2018 19:02

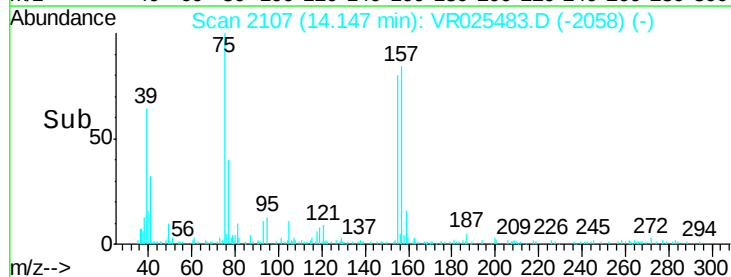
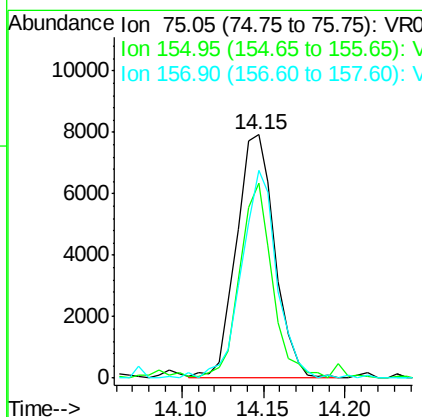
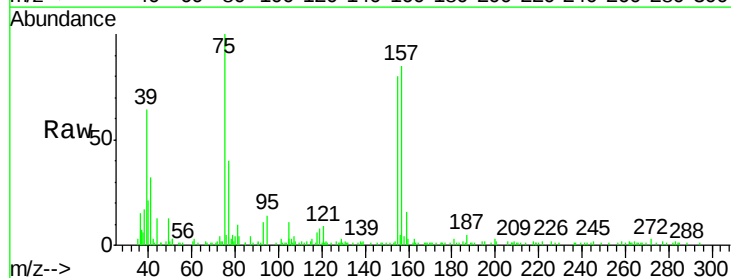
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00593

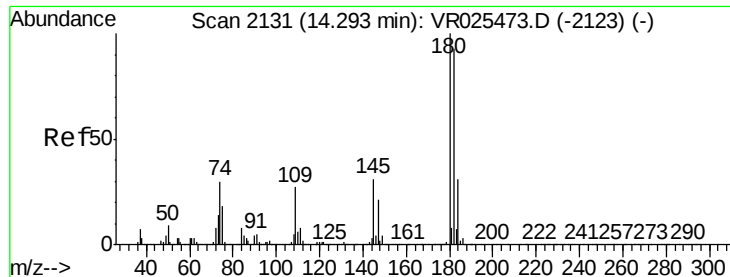
Tgt Ion:146 Resp: 306580
 Ion Ratio Lower Upper
 146 100
 111 47.1 35.8 53.8
 148 62.1 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.963 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VR025483.D
 Acq: 16 Jul 2018 19:02

Tgt Ion: 75 Resp: 12981
 Ion Ratio Lower Upper
 75 100
 155 80.3 74.1 111.1
 157 85.5 71.0 106.6

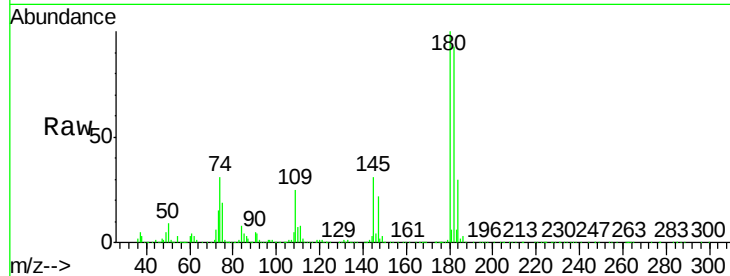




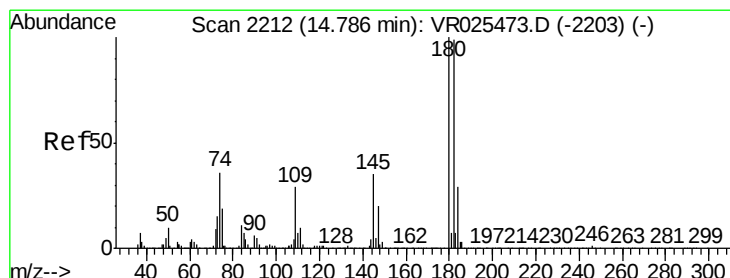
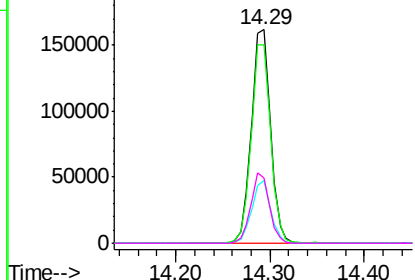
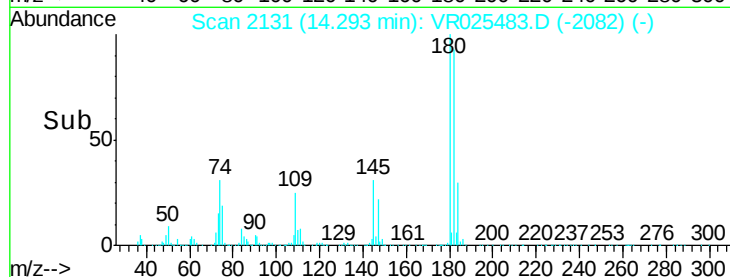
#67
 1,3,5-Trichlorobenzene
 Concen: 5.248 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: VR025483.D
 Acq: 16 Jul 2018 19:02

Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00593

Tgt Ion:	180	Resp:	233221
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.0	114.0
184	29.1	24.5	36.7
145	31.6	25.2	37.8

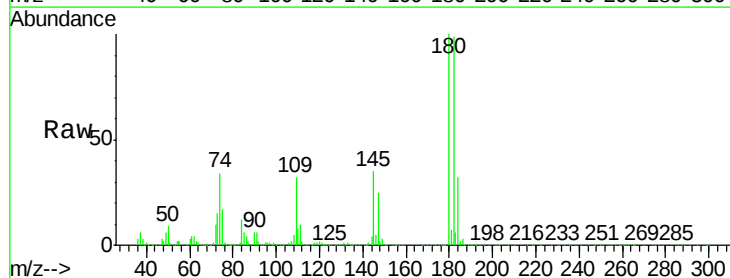


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

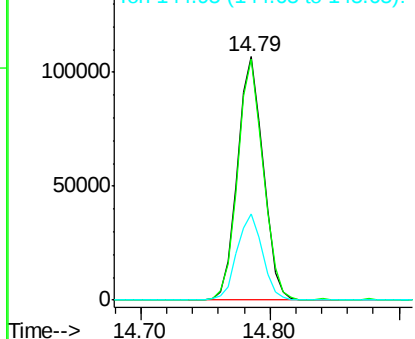
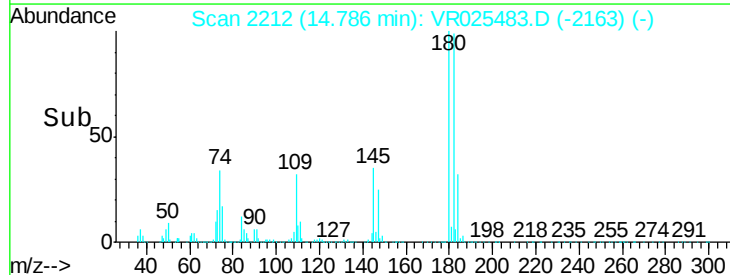


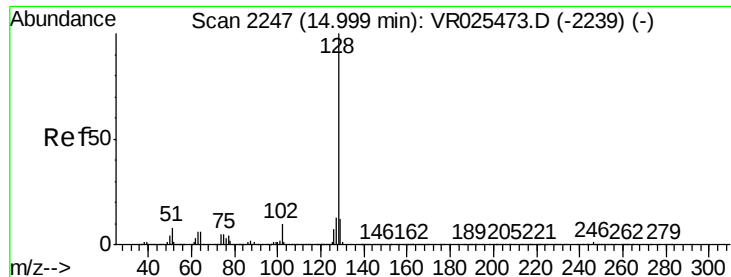
#68
 1,2,4-trichlorobenzene
 Concen: 4.840 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025483.D
 Acq: 16 Jul 2018 19:02

Tgt Ion:	180	Resp:	147860
Ion	Ratio	Lower	Upper
180	100		
182	98.4	75.0	112.4
145	35.5	27.3	40.9



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





#69

Naphthalene

Concen: 5.368 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

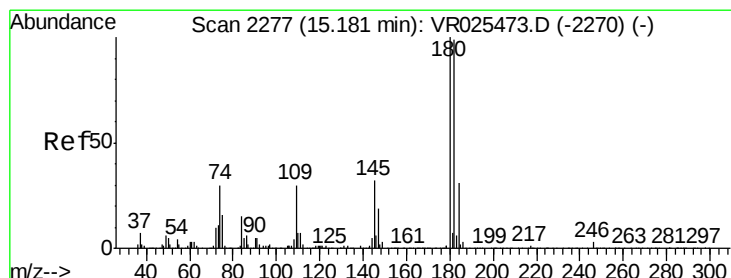
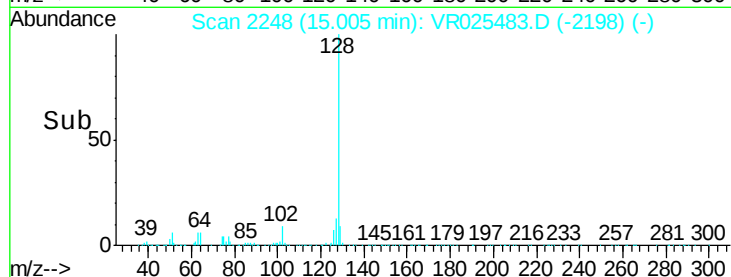
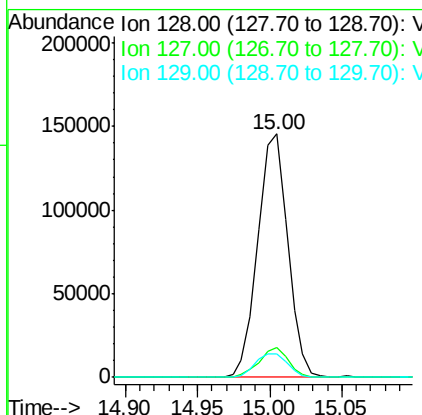
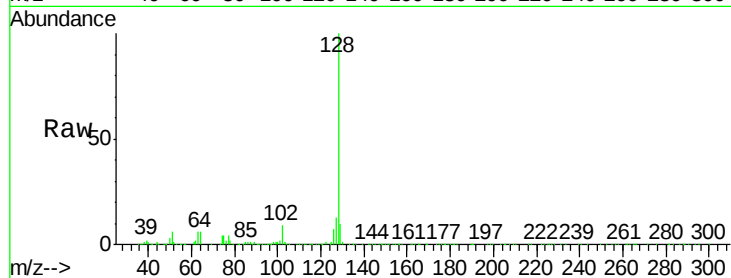
Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

Tgt Ion:	128	Resp:	210007
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.4
129	10.5	8.6	13.0



#70

1,2,3-Trichlorobenzene

Concen: 5.305 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VR025483.D

Acq: 16 Jul 2018 19:02

Tgt Ion:	180	Resp:	125009
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.2	112.8
145	36.7	28.2	42.2

