

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR073118\
 Data File : VR025553.D
 Acq On : 31 Jul 2018 17:44
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Aug 01 05:10:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 01 05:08:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	611759	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	532030	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	241500	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	158448	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	2.64	69	117658	3.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.80%
11) 1,1-Dichloroethene-d2	3.64	63	393968	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.00%
20) 2-Butanone-d5	6.60	46	163093	52.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.10%
24) Chloroform-d	7.21	84	291779	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	7.90	65	103982	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	7.86	84	650650	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	8.90	67	172424	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	9.97	98	648571	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	10.24	79	44919	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	10.59	63	172390	56.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.62%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	88099	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	170676	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	177467	5.067	ug/L 100
3) Chloromethane	2.01	50	220784	4.773	ug/L 96
5) Vinyl chloride	2.16	62	224870	4.865	ug/L 97
6) Bromomethane	2.53	94	98941	3.892	ug/L 93
8) Chloroethane	2.67	64	112301	4.374	ug/L 99
9) Trichlorofluoromethane	2.98	101	328751	5.206	ug/L # 27
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	215862	5.291	ug/L 95
12) 1,1-Dichloroethene	3.66	96	224756	5.143	ug/L 84
13) Acetone	3.71	43	141590	53.764	ug/L 97
14) Carbon disulfide	3.97	76	492166	4.862	ug/L # 94
15) Methyl Acetate	4.21	43	40471	4.867	ug/L 95
16) Methylene chloride	4.41	84	92098	2.496	ug/L 99
17) Methyl tert-butyl Ether	4.90	73	223199	5.089	ug/L 99
18) trans-1,2-Dichloroethene	4.88	96	210892	5.039	ug/L 97
19) 1,1-Dichloroethane	5.69	63	298531	4.875	ug/L 97
21) 2-Butanone	6.69	43	203195	55.536	ug/L 94
22) cis-1,2-Dichloroethene	6.68	96	201304	5.267	ug/L # 99

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

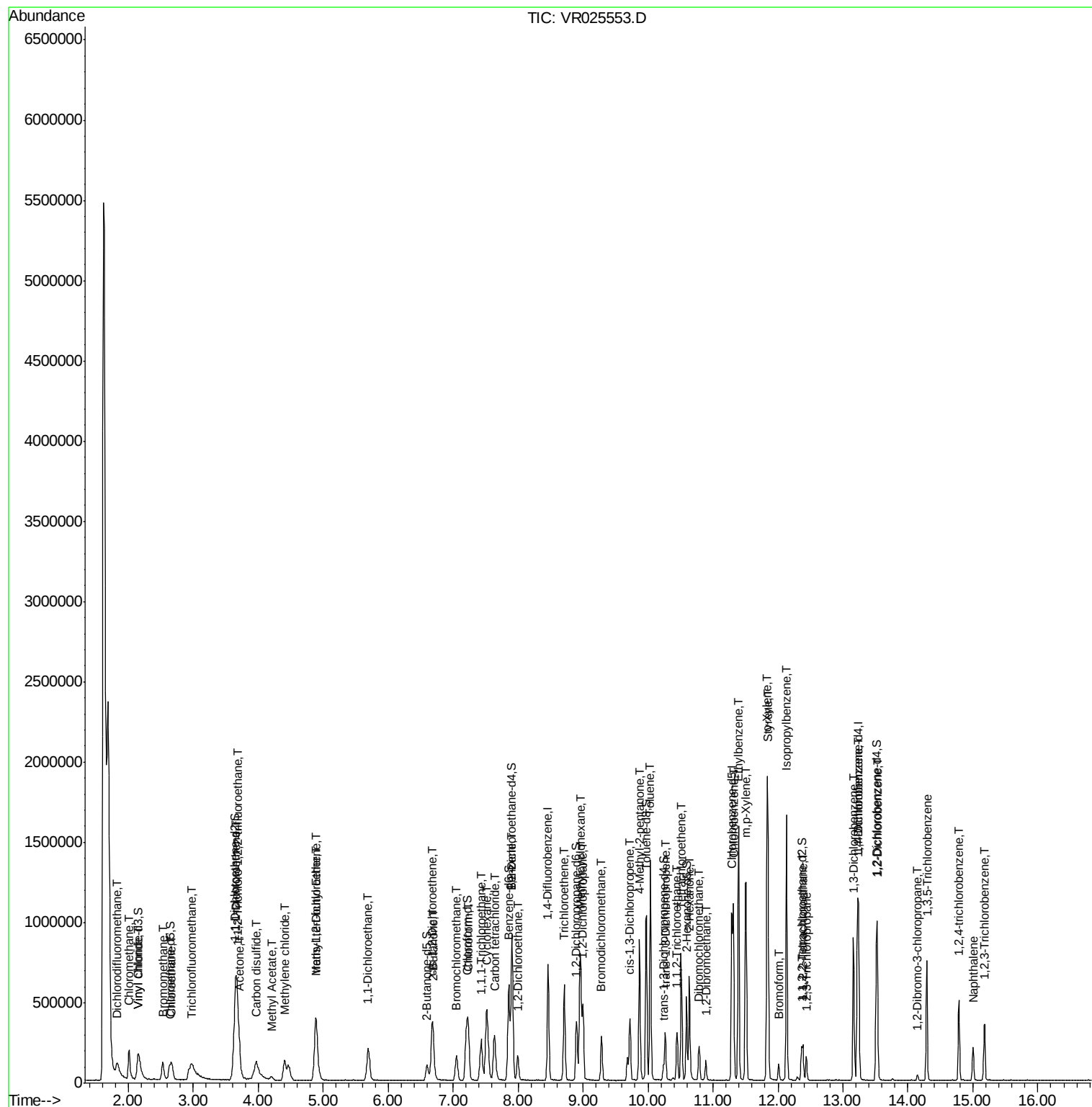
23) Bromochloromethane	7.05	128	65928	5.199	uq/L	96
25) Chloroform	7.23	83	305256	5.035	uq/L	95
27) 1,2-Dichloroethane	7.99	62	122670	5.078	uq/L #	89
29) 1,1,1-Trichloroethane	7.43	97	211917	4.497	uq/L	99
30) Cyclohexane	7.52	56	286522	5.279	uq/L	99
31) Carbon tetrachloride	7.64	117	233266	4.797	uq/L	99
33) Benzene	7.91	78	814682	4.957	uq/L	100
34) Trichloroethene	8.71	95	197040	4.820	uq/L	96
35) Methylcyclohexane	8.96	83	341602	5.557	uq/L	99
37) 1,2-Dichloropropane	8.99	63	174790	5.052	uq/L	99
38) Bromodichloromethane	9.28	83	177212	5.014	uq/L	94
39) cis-1,3-Dichloropropene	9.72	75	201153	5.266	uq/L	95
40) 4-Methyl-2-pentanone	9.86	43	553944	56.818	uq/L	99
42) Toluene	10.03	91	920561	5.259	uq/L	97
44) trans-1,3-Dichloropropene	10.27	75	141777	5.316	uq/L	100
45) 1,1,2-Trichloroethane	10.45	97	88288	5.124	uq/L	94
47) Tetrachloroethene	10.52	164	177821	5.084	uq/L	97
48) 2-Hexanone	10.64	43	372461	56.649	uq/L	99
49) Dibromochloromethane	10.78	129	104193	5.126	uq/L	99
50) 1,2-Dibromoethane	10.89	107	73192	5.092	uq/L	87
51) Chlorobenzene	11.31	112	546364	5.162	uq/L	97
52) Ethylbenzene	11.39	91	998347	5.246	uq/L	99
53) m,p-Xylene	11.51	106	404689	5.496	uq/L	98
54) o-Xylene	11.83	106	364908	5.398	uq/L	98
55) Styrene	11.85	104	591749	5.495	uq/L	99
56) Isopropylbenzene	12.13	105	981064	5.517	uq/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	88576	5.425	uq/L #	95
59) 1,2,3-Trichloropropane	12.44	75	57302	5.253	uq/L	93
61) Bromoform	12.01	173	43389	4.510	uq/L	98
62) 1,3-Dichlorobenzene	13.16	146	344610	4.935	uq/L	98
63) 1,4-Dichlorobenzene	13.24	146	375611	4.955	uq/L	99
65) 1,2-Dichlorobenzene	13.53	146	301550	5.026	uq/L	95
66) 1,2-Dibromo-3-chloropropan	14.14	75	7467	4.022	uq/L #	81
67) 1,3,5-Trichlorobenzene	14.29	180	222541	4.688	uq/L	98
68) 1,2,4-trichlorobenzene	14.79	180	138173	4.530	uq/L	99
69) Naphthalene	15.00	128	156913	4.503	uq/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	109596	4.672	uq/L	100

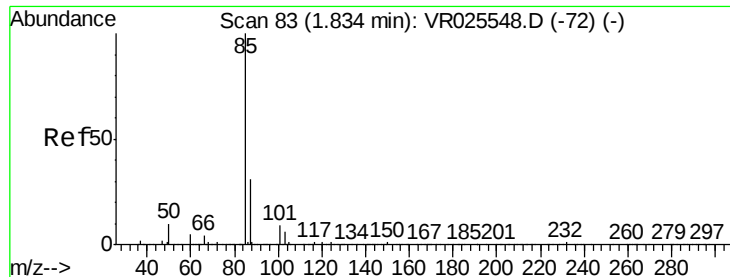
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.067 ug/L

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

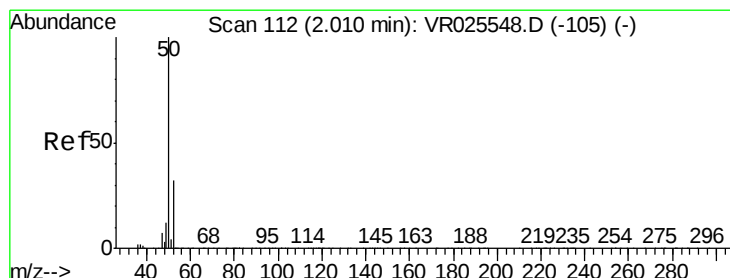
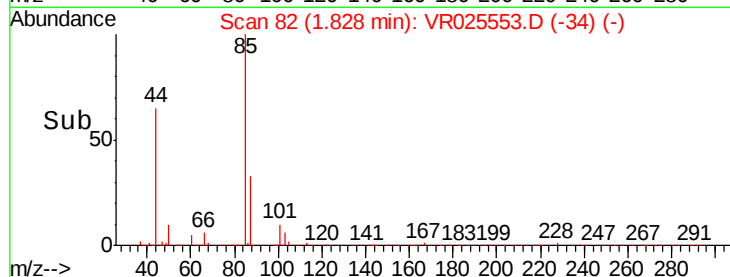
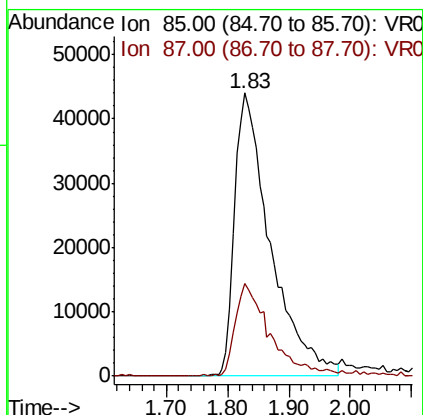
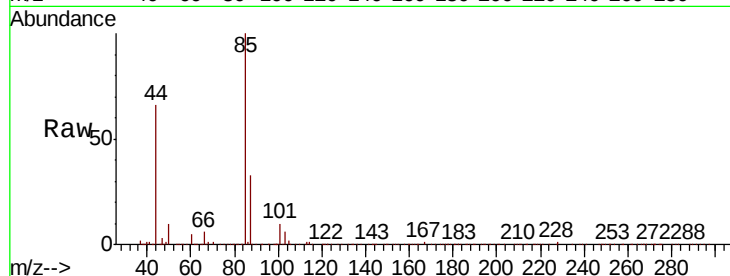
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 85 Resp: 177467

Ion Ratio Lower Upper

85 100

87 31.2 25.0 37.6



#3

Chloromethane

Concen: 4.773 ug/L

RT: 2.01 min Scan# 112

Delta R.T. -0.00 min

Lab File: VR025553.D

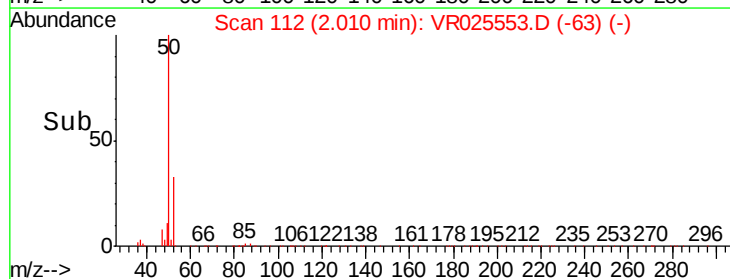
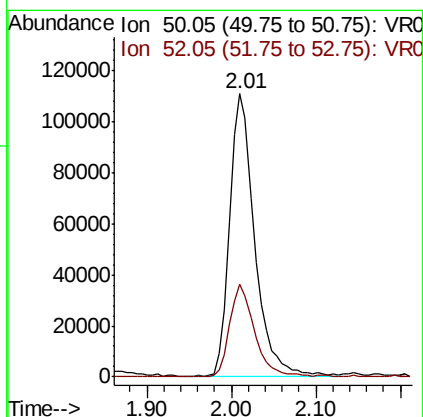
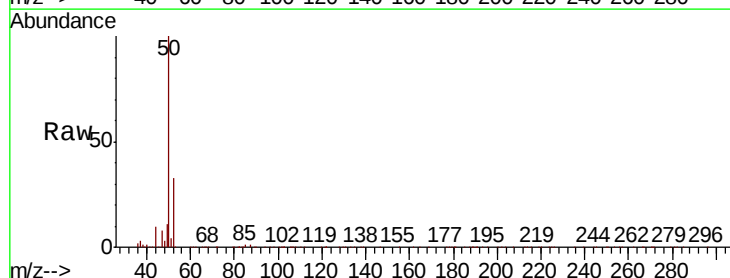
Acq: 31 Jul 2018 17:44

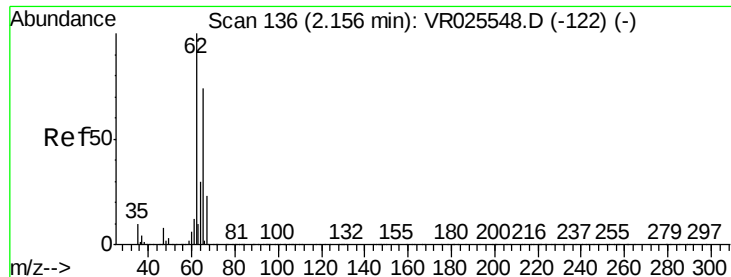
Tgt Ion: 50 Resp: 220784

Ion Ratio Lower Upper

50 100

52 32.7 24.4 45.4





#5

Vinyl chloride

Concen: 4.865 ug/L

RT: 2.16 min Scan# 137

Delta R.T. 0.01 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

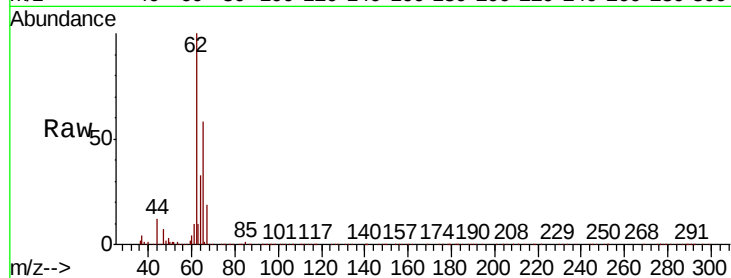
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 62 Resp: 224870

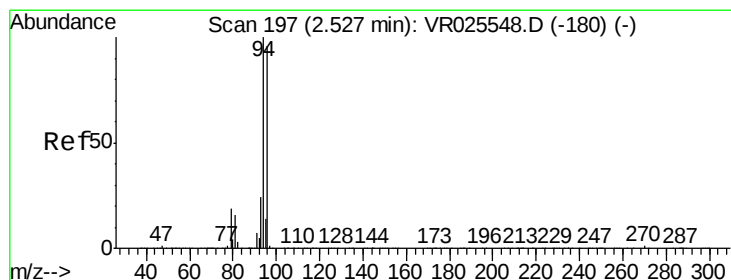
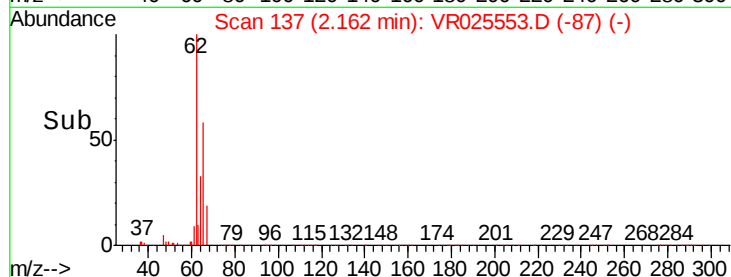
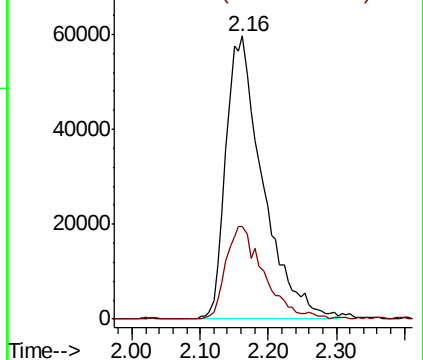
Ion Ratio Lower Upper

62 100

64 32.7 24.1 44.8



Abundance Ion 62.00 (61.70 to 62.70): VR0
Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 3.892 ug/L

RT: 2.53 min Scan# 198

Delta R.T. 0.01 min

Lab File: VR025553.D

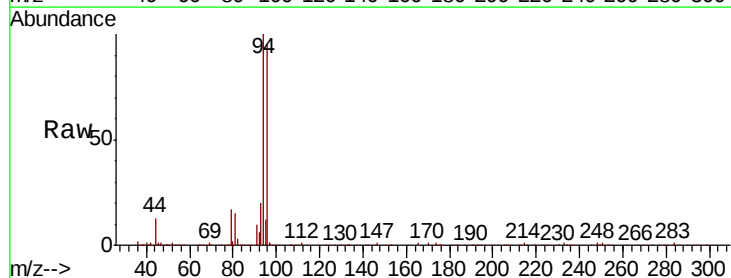
Acq: 31 Jul 2018 17:44

Tgt Ion: 94 Resp: 98941

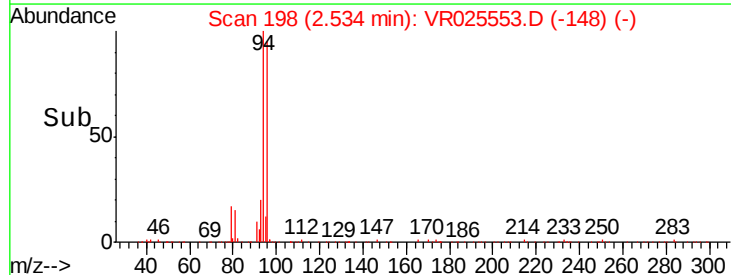
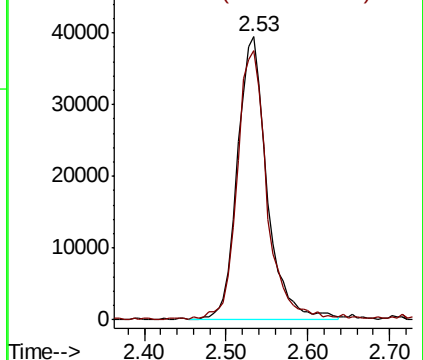
Ion Ratio Lower Upper

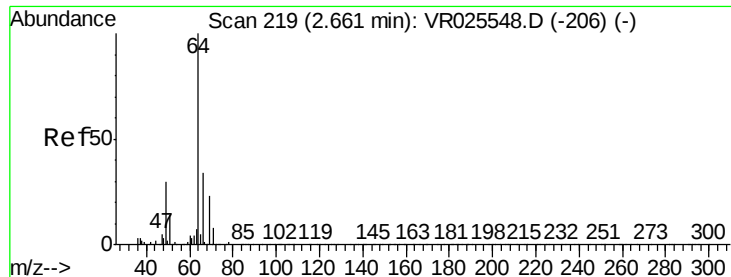
94 100

96 96.0 72.0 133.6



Abundance Ion 94.00 (93.70 to 94.70): VR0
Ion 96.00 (95.70 to 96.70): VR0

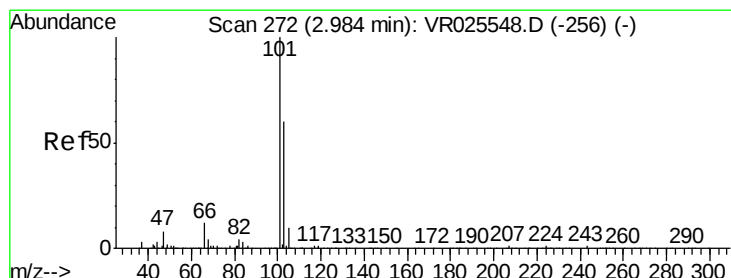
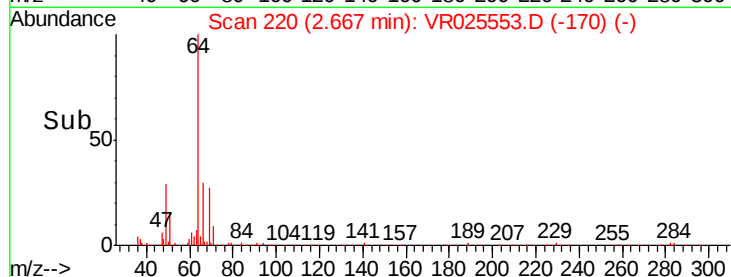
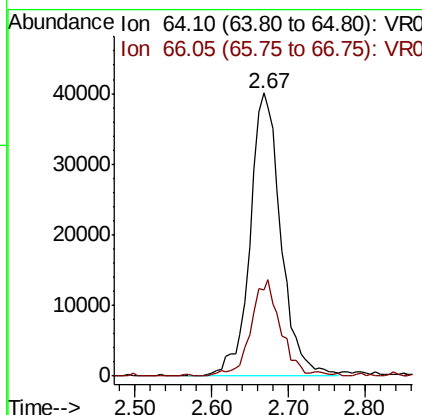
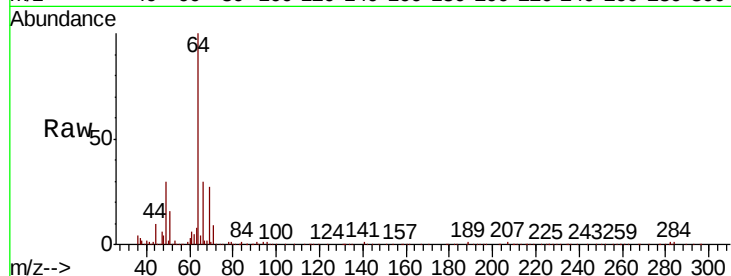




#8
Chloroethane
Concen: 4.374 ug/L
RT: 2.67 min Scan# 220
Delta R.T. 0.01 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

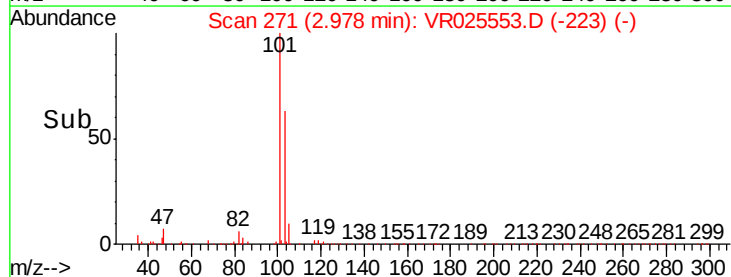
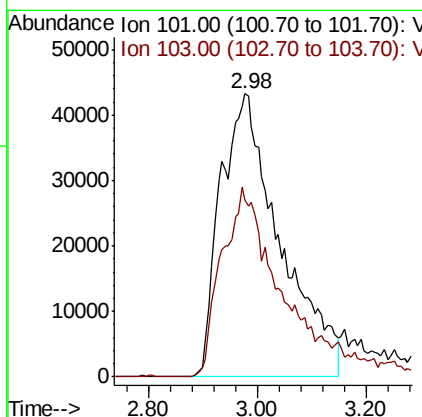
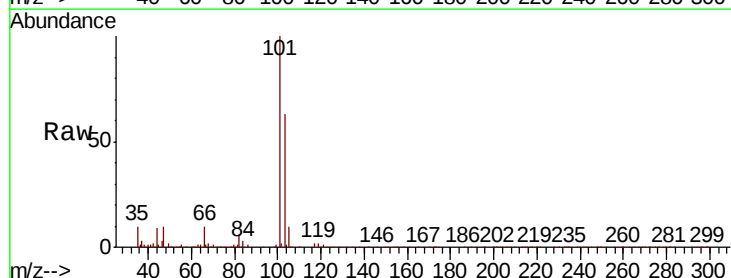
Instrument :
MSVOA_R
ClientSampleId :

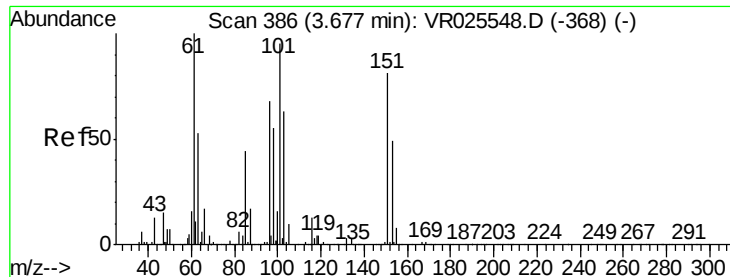
Tot Ion: 64 Resp: 112301
Ion Ratio Lower Upper
64 100
66 30.4 20.9 38.9



#9
Trichlorofluoromethane
Concen: 5.206 ug/L
RT: 2.98 min Scan# 271
Delta R.T. -0.01 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

Tgt Ion: 101 Resp: 328751
Ion Ratio Lower Upper
101 100
103 61.0 19.8 29.6#





#10

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

Concen: 5.291 ug/L

RT: 3.68 min Scan# 387

Delta R.T. 0.01 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

Instrument :

MSVOA_R

ClientSampleId :

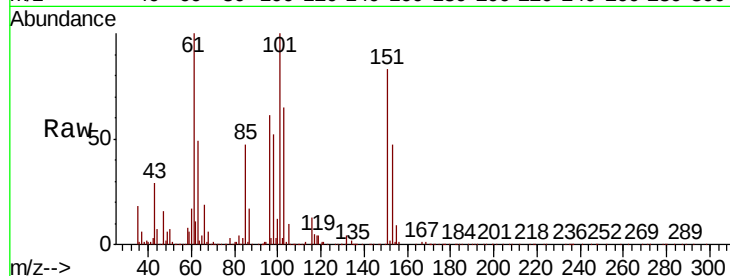
Tot Ion:101 Resp: 215862

Ion Ratio Lower Upper

101 100

85 49.0 37.4 56.0

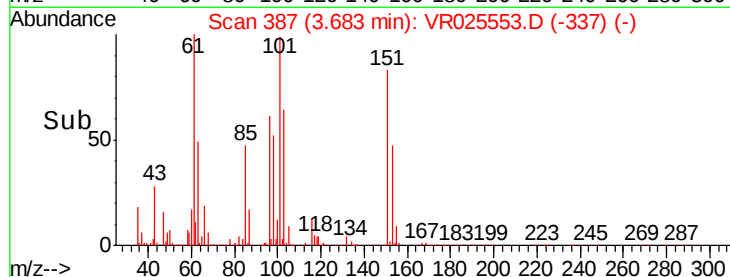
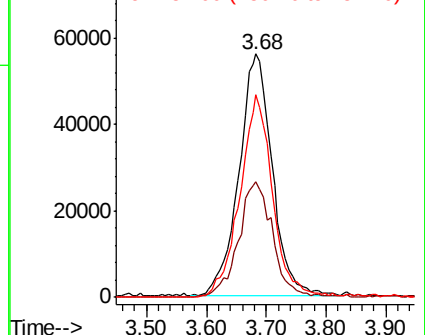
151 82.7 61.9 92.9



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: 5.143 ug/L

RT: 3.66 min Scan# 383

Delta R.T. 0.01 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

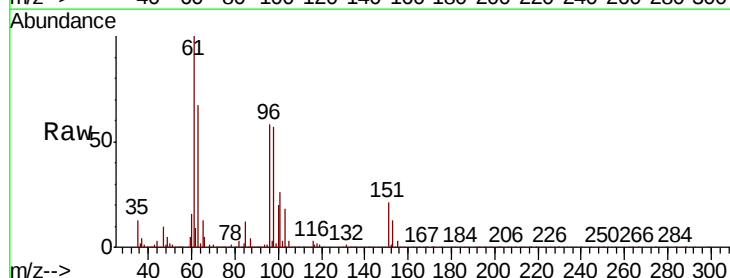
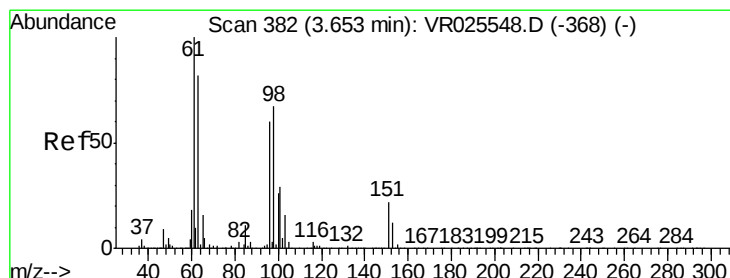
Tgt Ion: 96 Resp: 224756

Ion Ratio Lower Upper

96 100

61 171.8 124.3 230.8

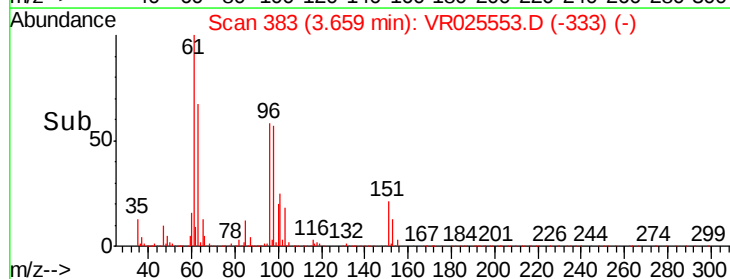
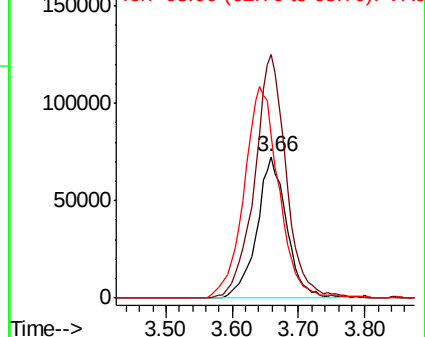
63 115.4 108.1 200.7

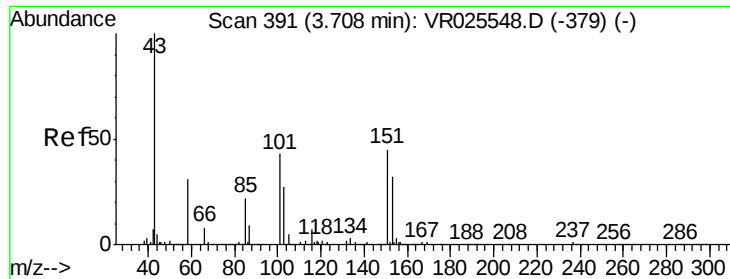


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 53.764 ug/L

RT: 3.71 min Scan# 392

Delta R.T. 0.01 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

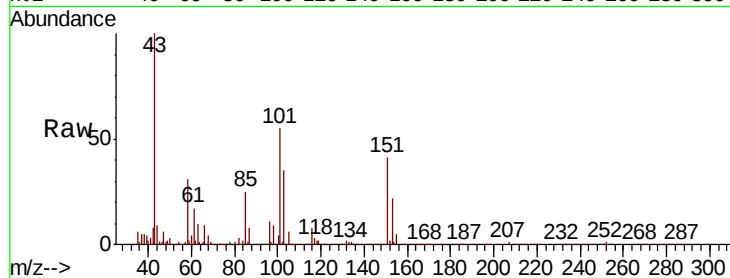
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 141590

Ion Ratio Lower Upper

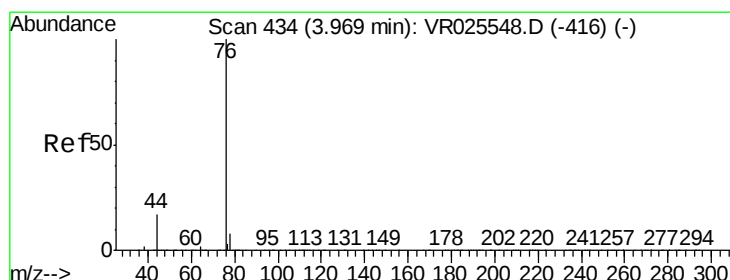
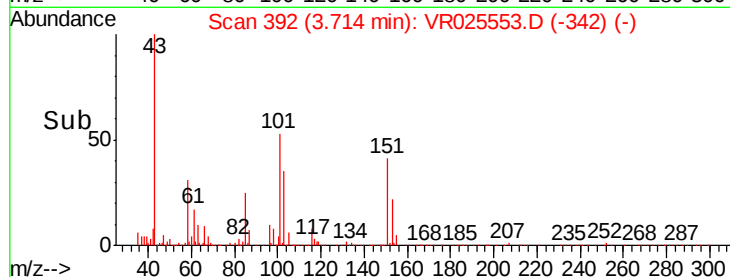
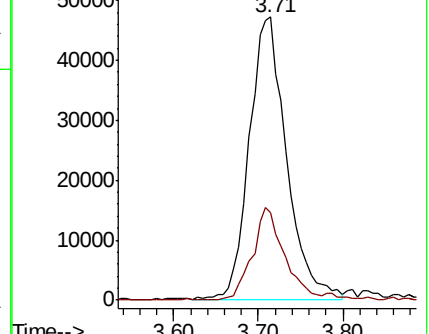
43 100

58 28.1 0.0 53.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 4.862 ug/L

RT: 3.97 min Scan# 434

Delta R.T. -0.00 min

Lab File: VR025553.D

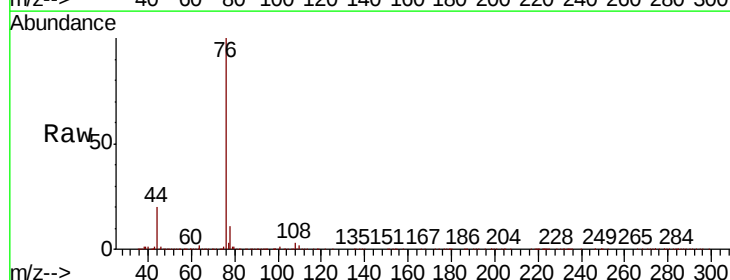
Acq: 31 Jul 2018 17:44

Tgt Ion: 76 Resp: 492166

Ion Ratio Lower Upper

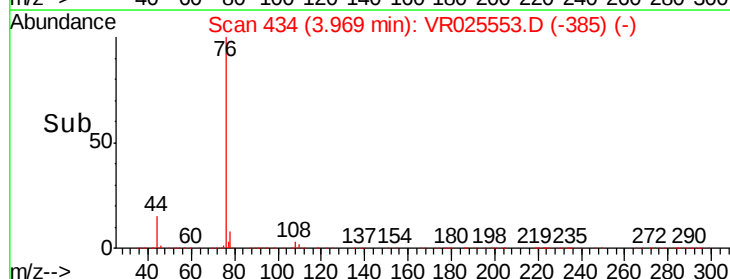
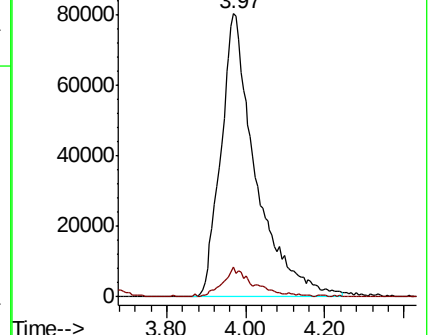
76 100

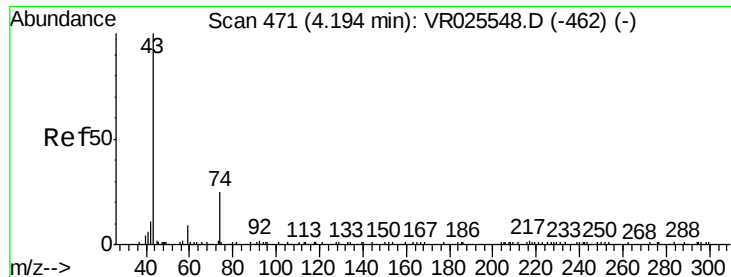
78 10.7 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

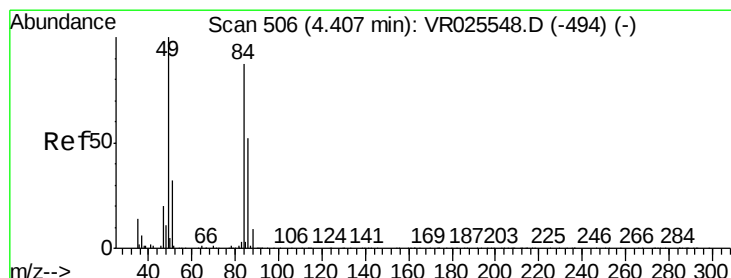
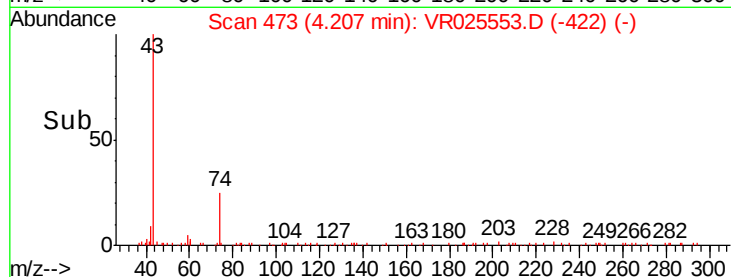
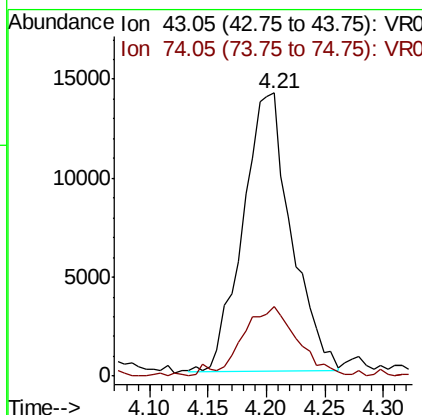
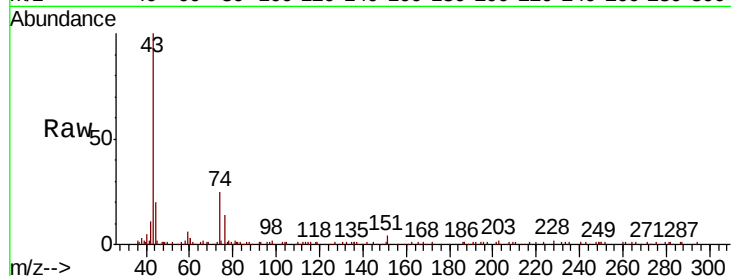




#15
Methyl Acetate
Concen: 4.867 ug/L
RT: 4.21 min Scan# 473
Delta R.T. 0.01 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

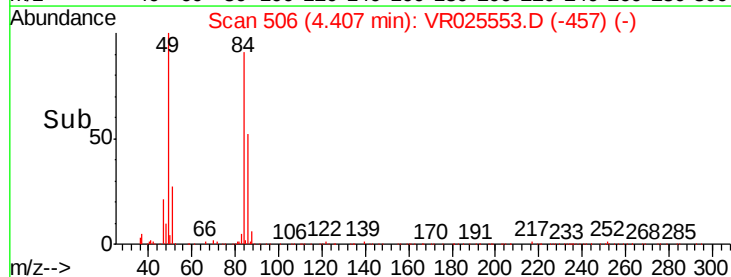
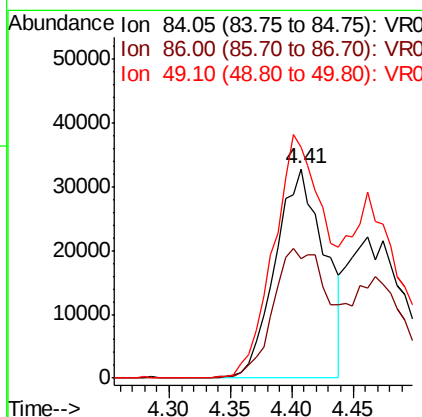
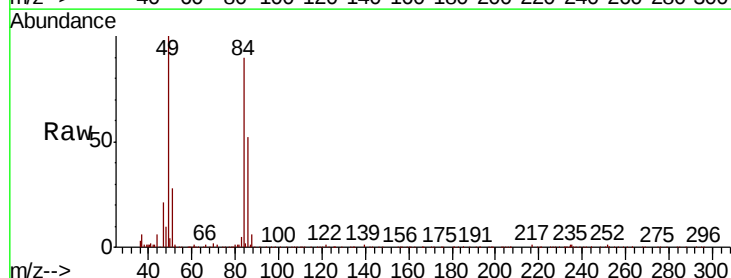
Instrument :
MSVOA_R
ClientSampleId :

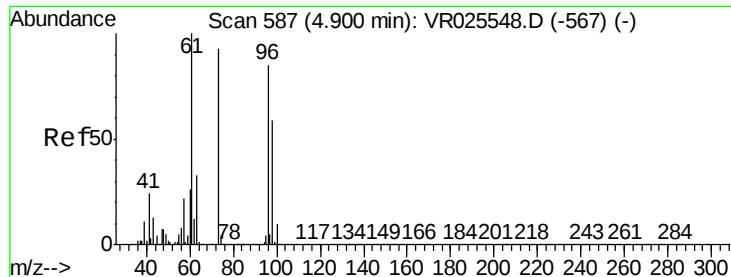
Tot Ion: 43 Resp: 40471
Ion Ratio Lower Upper
43 100
74 27.3 19.8 29.6



#16
Methylene chloride
Concen: 2.496 ug/L
RT: 4.41 min Scan# 506
Delta R.T. -0.00 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

Tgt Ion: 84 Resp: 92098
Ion Ratio Lower Upper
84 100
86 57.0 40.4 75.0
49 110.5 76.2 141.4

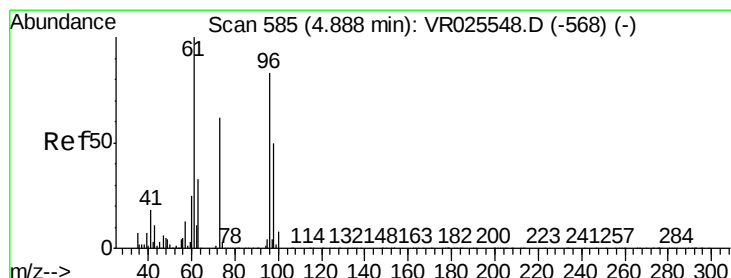
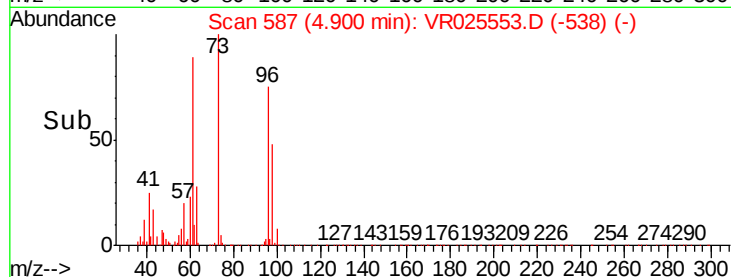
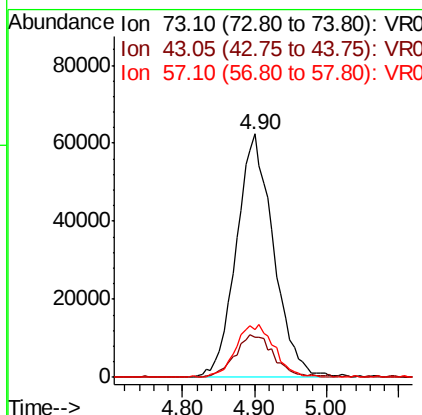
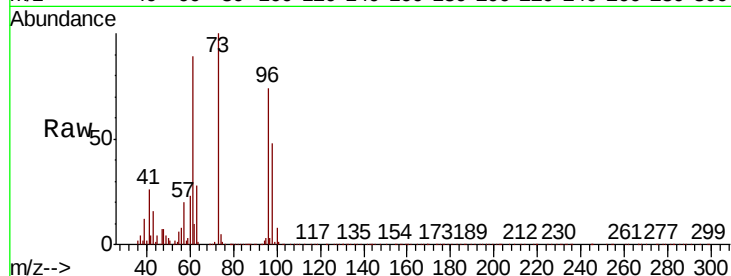




#17
Methvl tert-butvl Ether
Concen: 5.089 ug/L
RT: 4.90 min Scan# 587
Delta R.T. -0.00 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

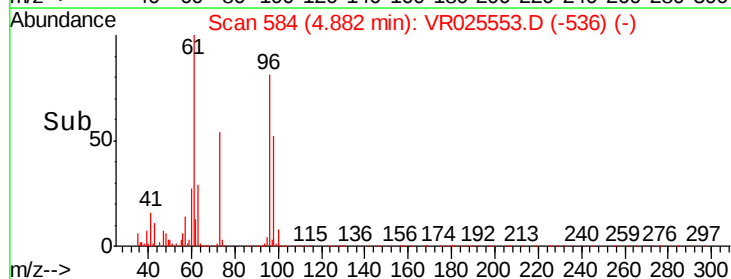
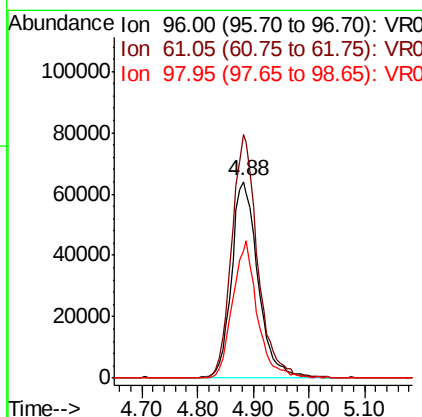
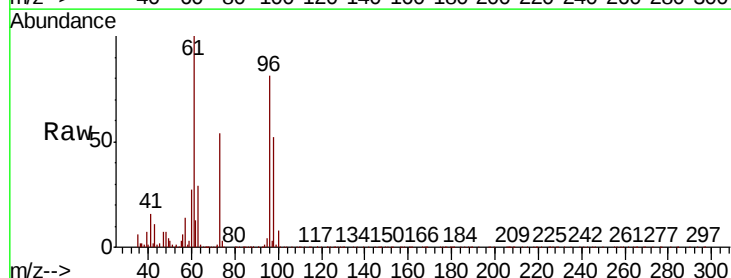
Instrument :
MSVOA_R
ClientSampleId :

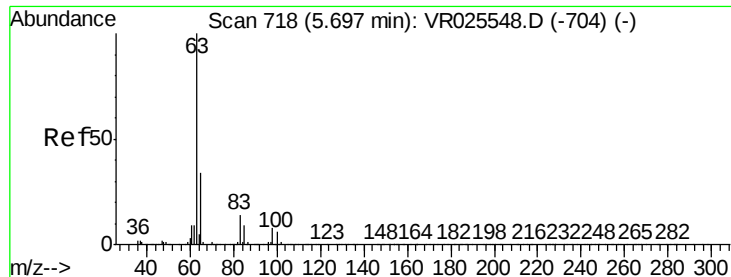
Tot Ion: 73 Resp: 223199
Ion Ratio Lower Upper
73 100
43 18.0 14.2 21.4
57 22.5 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 5.039 ug/L
RT: 4.88 min Scan# 584
Delta R.T. -0.01 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

Tgt Ion: 96 Resp: 210892
Ion Ratio Lower Upper
96 100
61 124.0 85.5 158.9
98 64.8 42.1 78.1

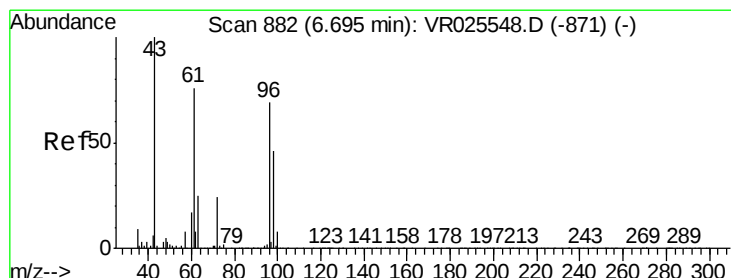
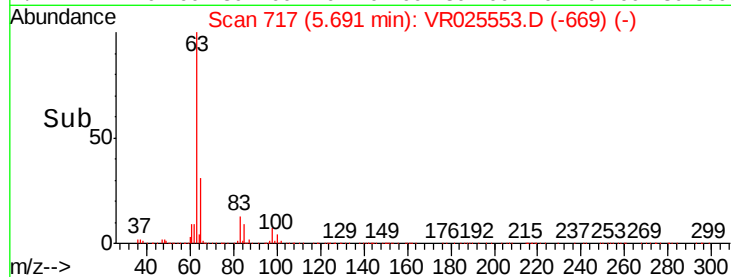
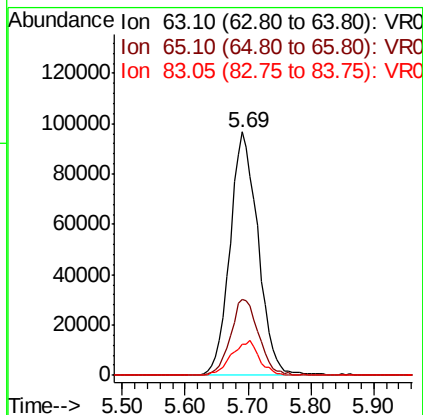
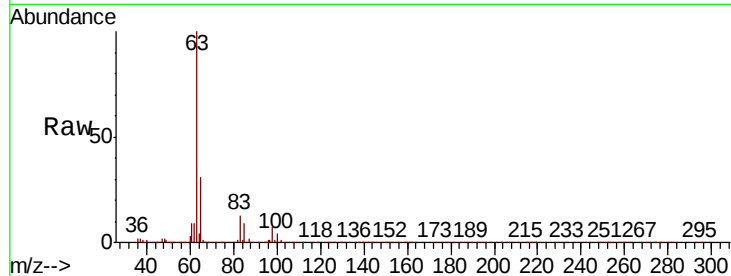




#19
 1,1-Dichloroethane
 Concen: 4.875 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VR025553.D
 Acq: 31 Jul 2018 17:44

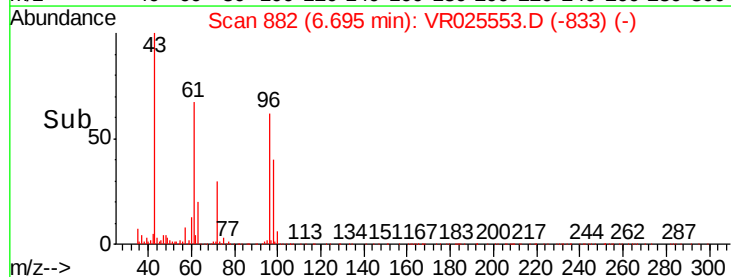
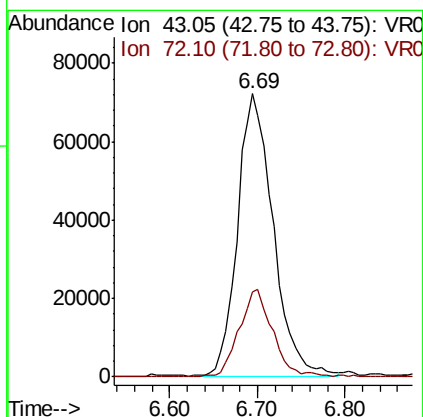
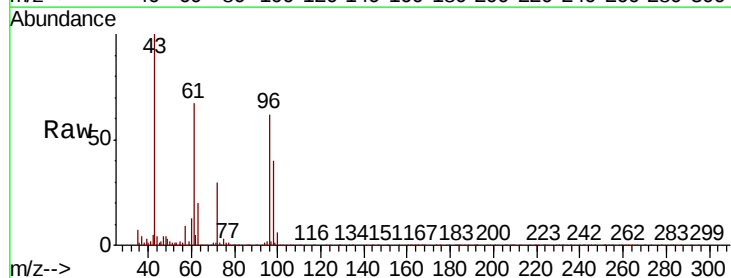
Instrument :
 MSVOA_R
 ClientSampleId :

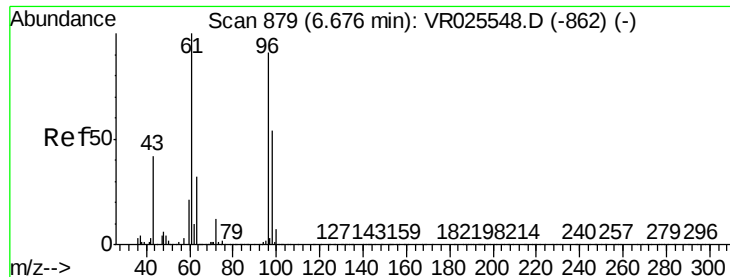
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	23.5	43.7
83	13.0	9.1	16.9



#21
 2-Butanone
 Concen: 55.536 ug/L
 RT: 6.69 min Scan# 882
 Delta R.T. -0.00 min
 Lab File: VR025553.D
 Acq: 31 Jul 2018 17:44

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.3	13.2	39.6



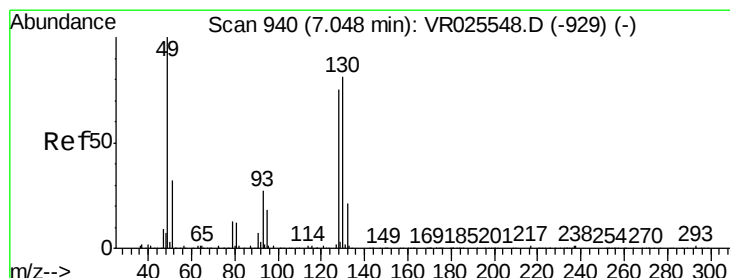
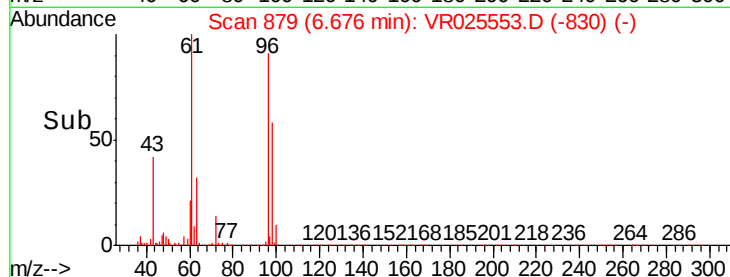
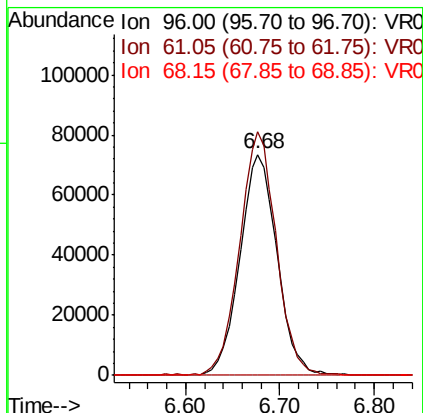
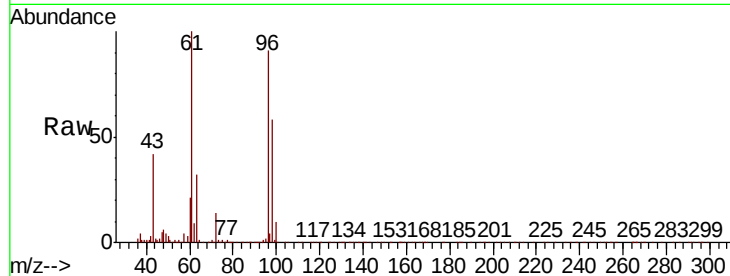


#22

cis-1,2-Dichloroethene
Concen: 5.267 ug/L
RT: 6.68 min Scan# 879
Delta R.T. -0.00 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

Instrument :
MSVOA_R
ClientSampled :

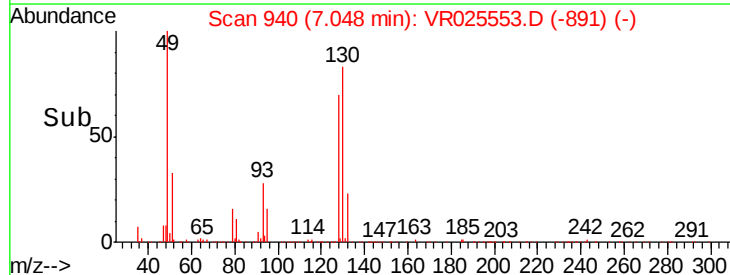
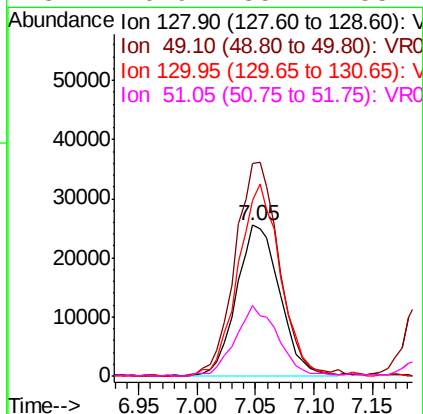
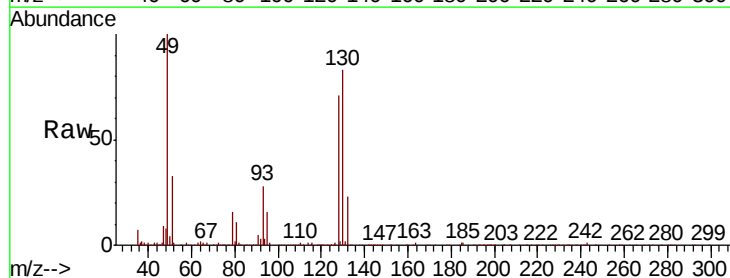
Tot Ion	Ratio	Lower	Upper
96	100		
61	110.1	77.7	144.3
68	0.2	0.0	0.0#

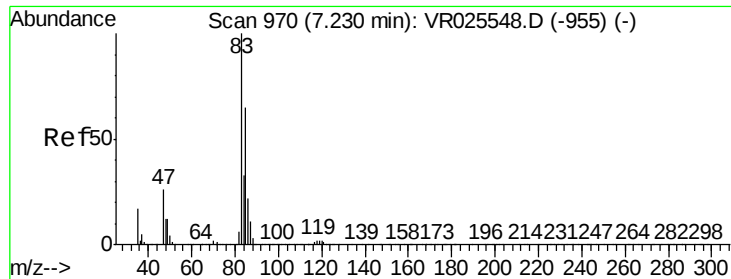


#23

Bromochloromethane
Concen: 5.199 ug/L
RT: 7.05 min Scan# 940
Delta R.T. -0.00 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

Tgt Ion	Ratio	Lower	Upper
128	100		
49	141.6	103.3	191.9
130	117.0	84.9	157.7
51	46.9	35.4	53.2

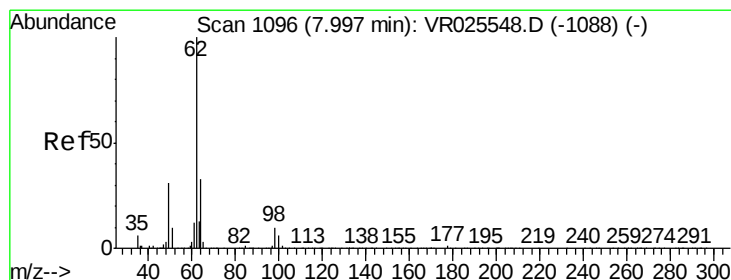
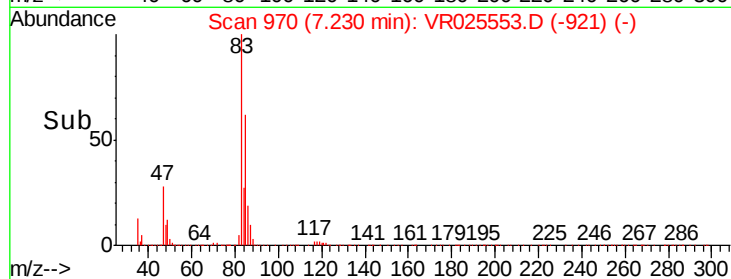
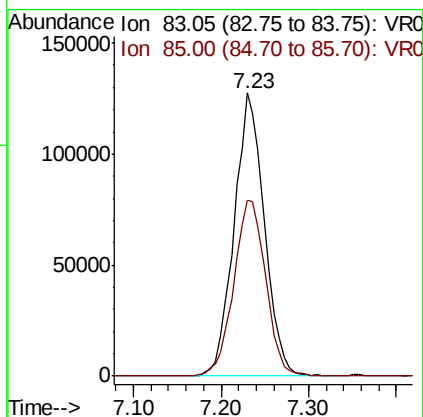
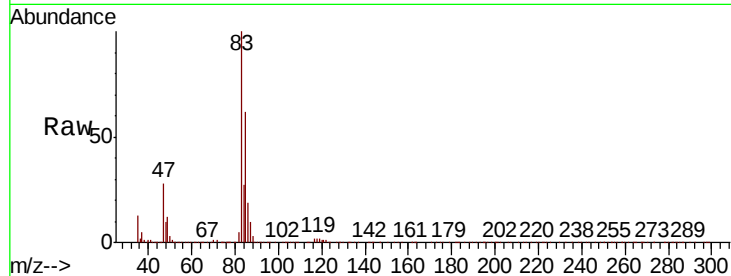




#25
Chloroform
Concen: 5.035 ug/L
RT: 7.23 min Scan# 970
Delta R.T. -0.00 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

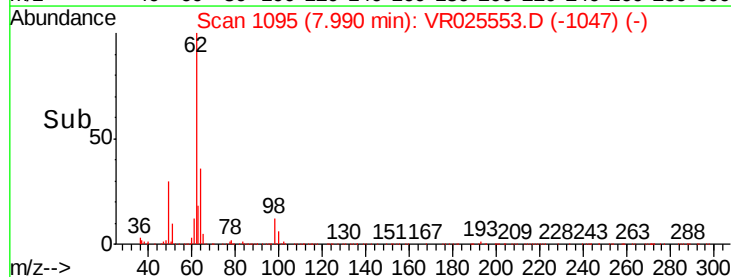
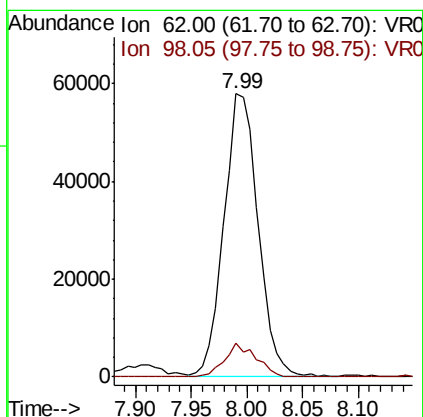
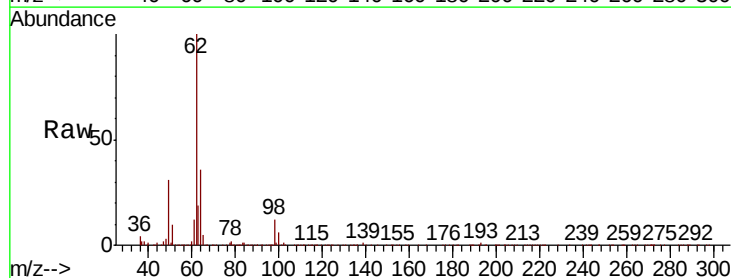
Instrument :
MSVOA_R
ClientSampled :

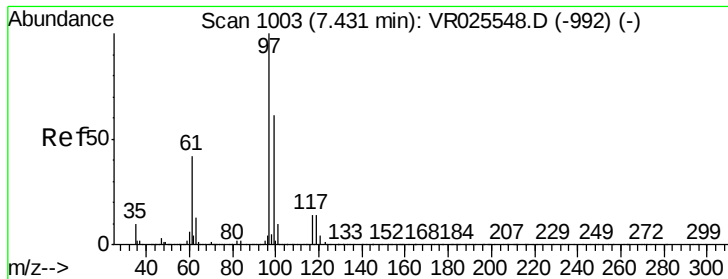
Tot Ion: 83 Resp: 305256
Ion Ratio Lower Upper
83 100
85 62.2 46.5 86.3



#27
1,2-Dichloroethane
Concen: 5.078 ug/L
RT: 7.99 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

Tgt Ion: 62 Resp: 122670
Ion Ratio Lower Upper
62 100
98 12.0 6.6 9.8#

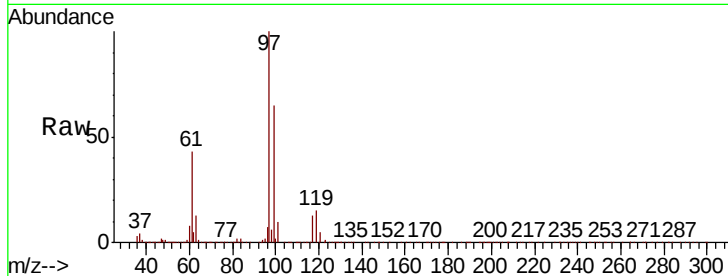




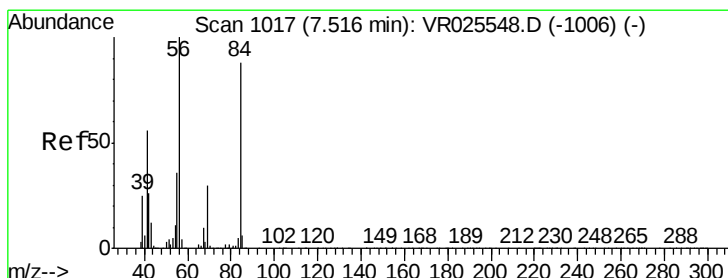
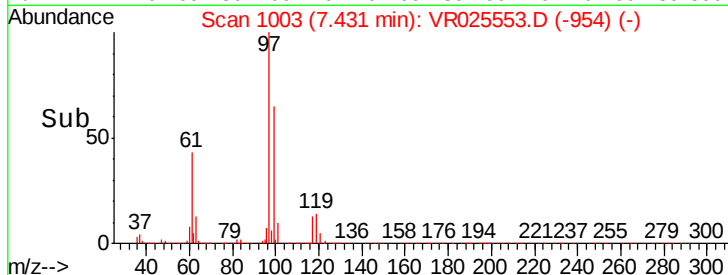
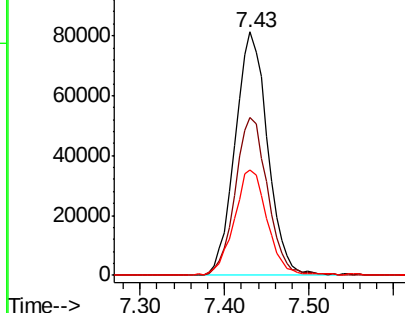
#29
 1,1,1-Trichloroethane
 Concen: 4.497 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: VR025553.D
 Acq: 31 Jul 2018 17:44

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.1	78.1
61	43.8	35.3	52.9

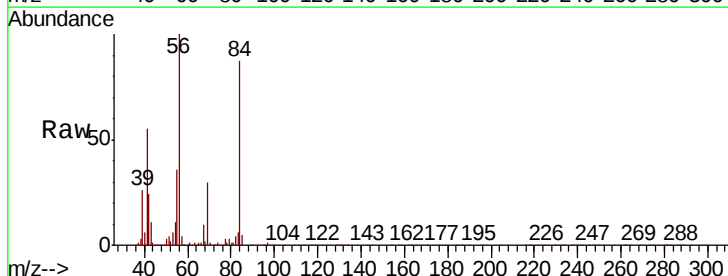


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

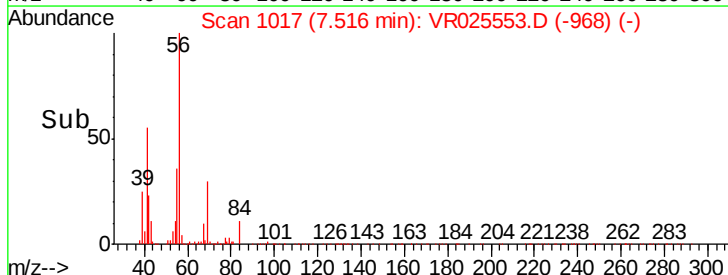
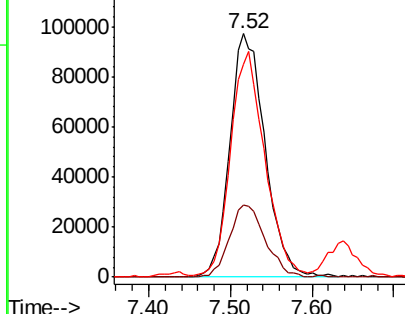


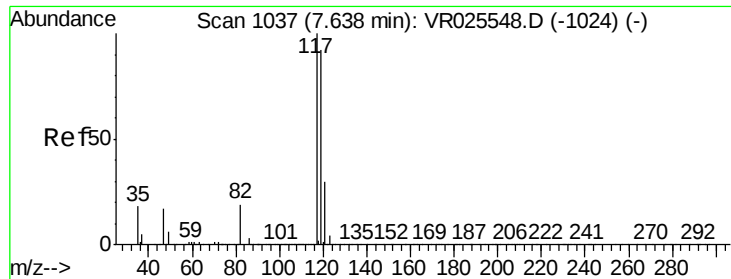
#30
 Cyclohexane
 Concen: 5.279 ug/L
 RT: 7.52 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VR025553.D
 Acq: 31 Jul 2018 17:44

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.6	36.8
84	90.7	71.3	106.9



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





#31

Carbon tetrachloride

Concen: 4.797 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

Instrument :

MSVOA_R

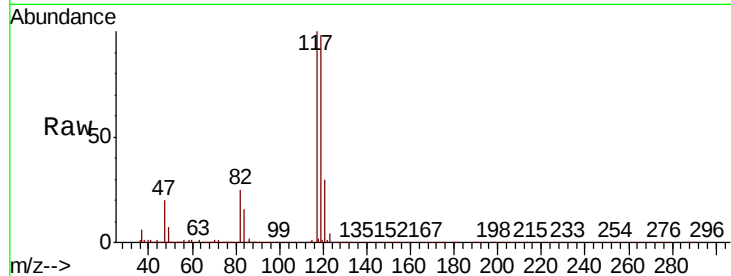
ClientSampleId :

Tot Ion:117 Resp: 233266

Ion Ratio Lower Upper

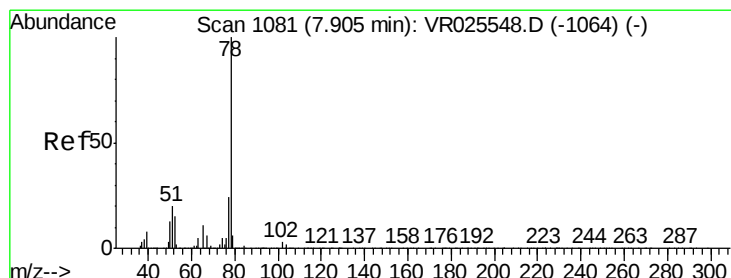
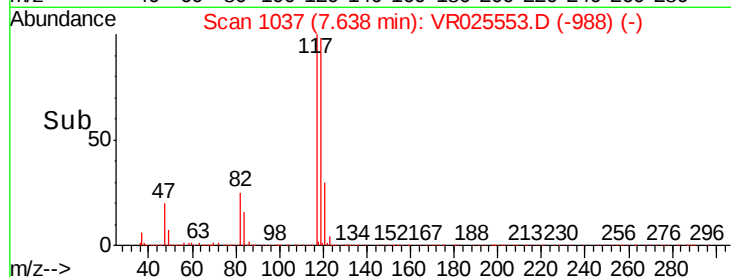
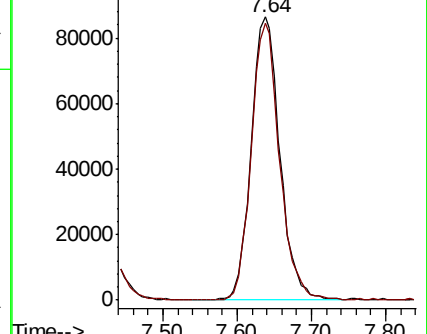
117 100

119 96.1 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.957 ug/L

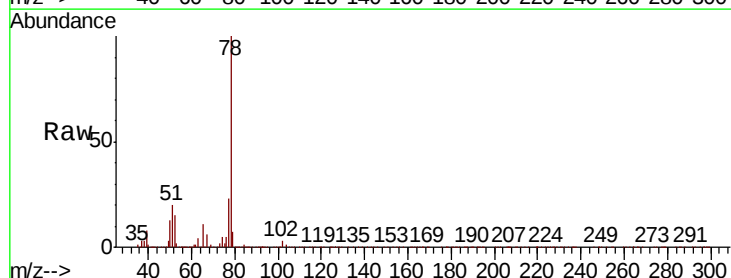
RT: 7.91 min Scan# 1081

Delta R.T. -0.00 min

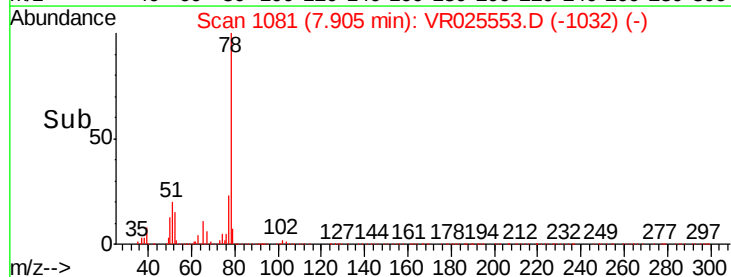
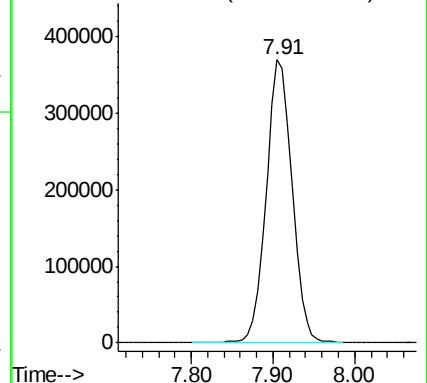
Lab File: VR025553.D

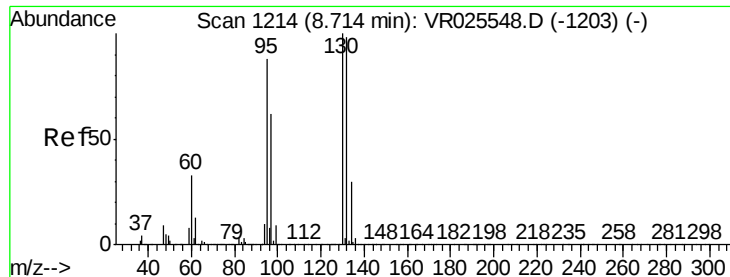
Acq: 31 Jul 2018 17:44

Tgt Ion: 78 Resp: 814682



Abundance Ion 78.10 (77.80 to 78.80): VR0

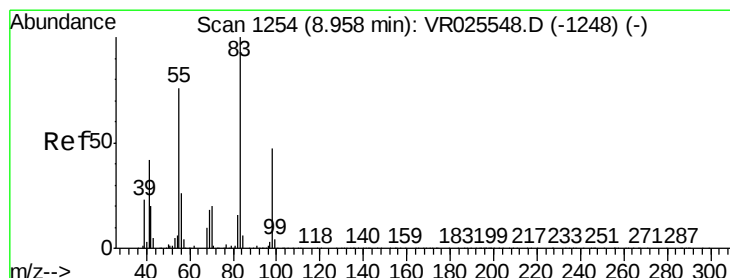
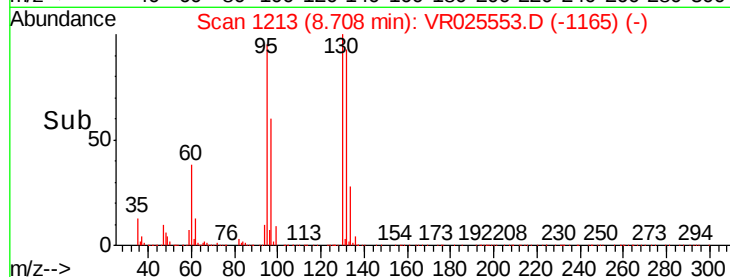
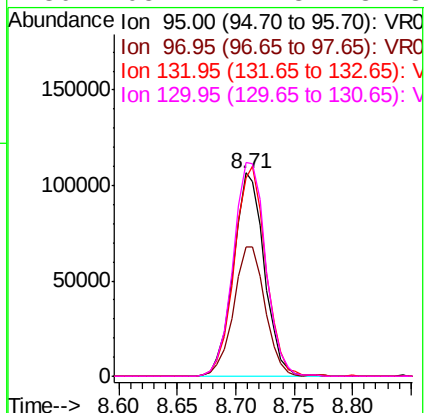
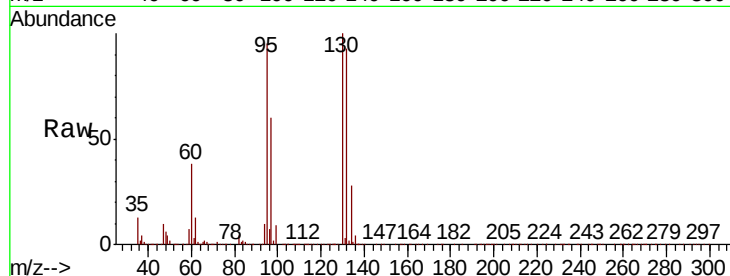




#34
 Trichloroethene
 Concen: 4.820 ug/L
 RT: 8.71 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: VR025553.D
 Acq: 31 Jul 2018 17:44

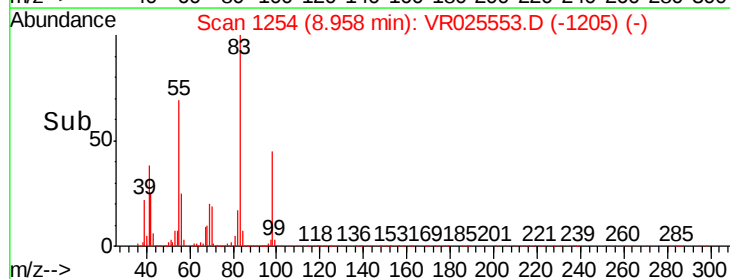
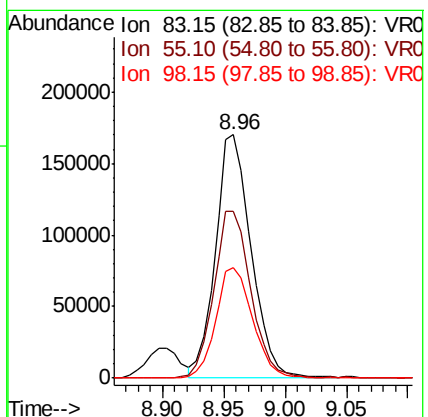
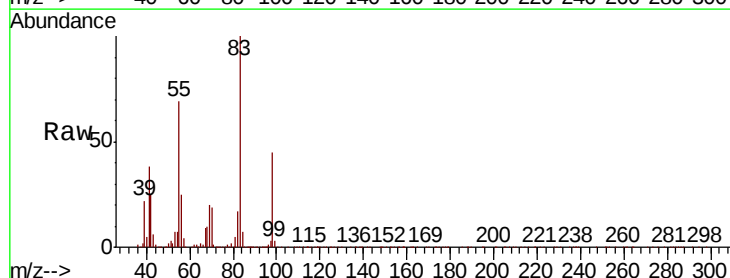
Instrument :
 MSVOA_R
 ClientSampleId :

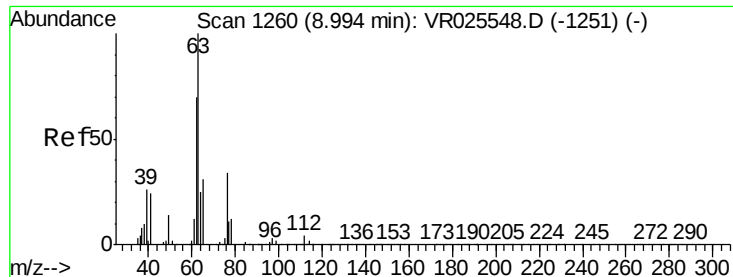
Tot Ion:	95	Resp:	197040
Ion	Ratio	Lower	Upper
95	100		
97	63.4	46.7	86.7
132	97.7	71.7	133.1
130	105.1	71.3	132.3



#35
 Methylcyclohexane
 Concen: 5.557 ug/L
 RT: 8.96 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VR025553.D
 Acq: 31 Jul 2018 17:44

Tgt Ion:	83	Resp:	341602
Ion	Ratio	Lower	Upper
83	100		
55	71.8	58.3	87.5
98	46.9	37.8	56.6

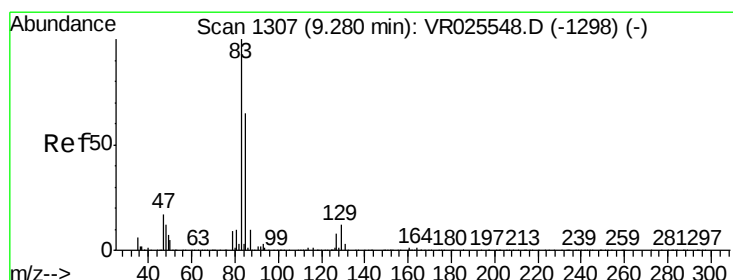
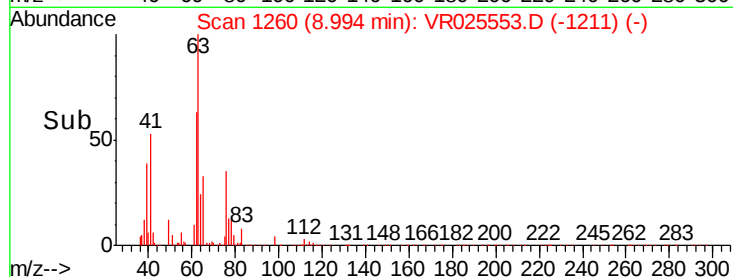
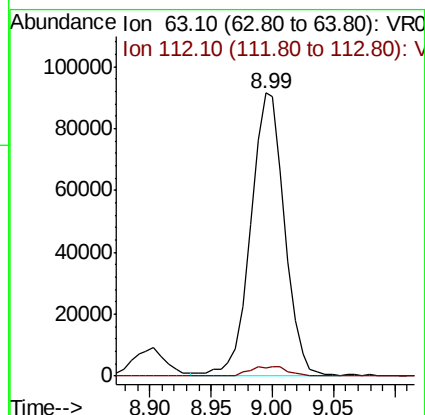
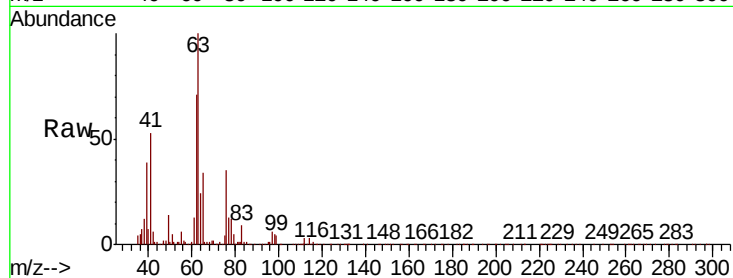




#37
 1,2-Dichloropropane
 Concen: 5.052 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VR025553.D
 Acq: 31 Jul 2018 17:44

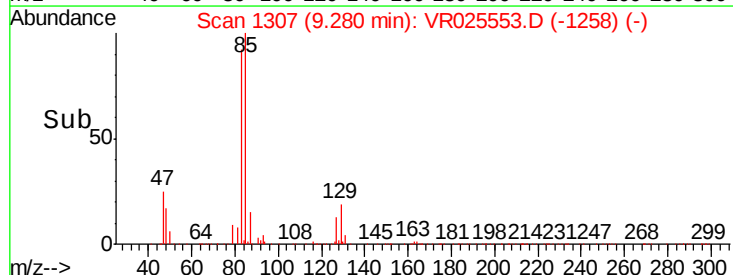
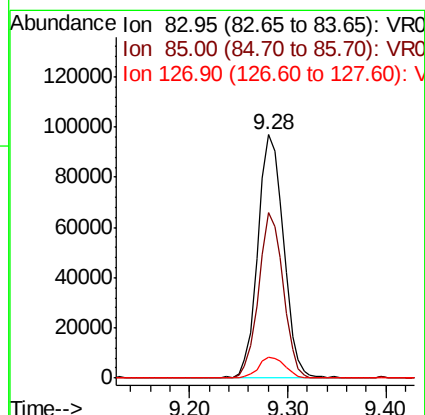
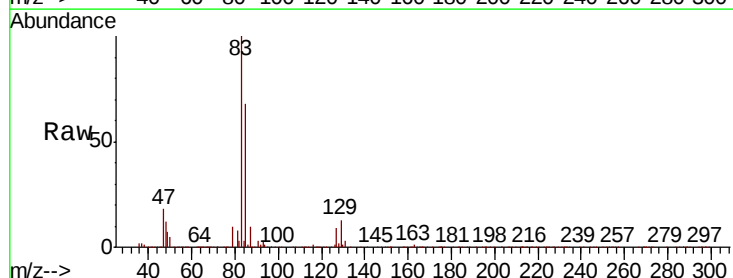
Instrument :
 MSVOA_R
 ClientSampled :

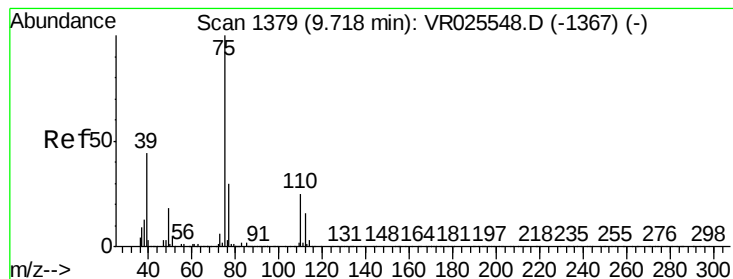
Tot Ion: 63 Resp: 174790
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 5.014 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VR025553.D
 Acq: 31 Jul 2018 17:44

Tgt Ion: 83 Resp: 177212
 Ion Ratio Lower Upper
 83 100
 85 67.7 44.0 81.6
 127 8.6 6.7 10.1



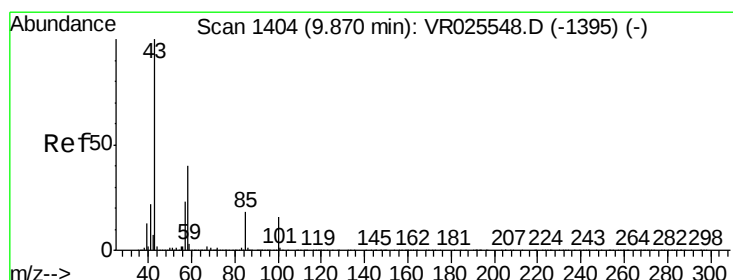
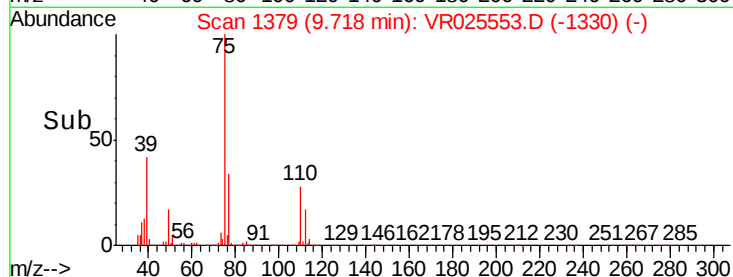
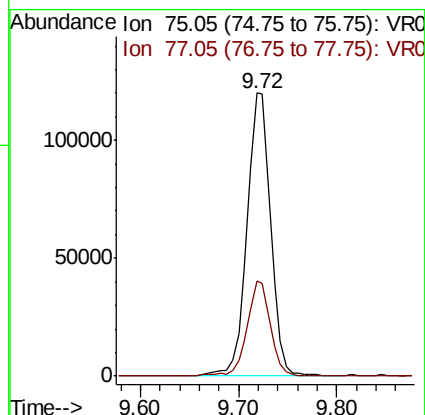
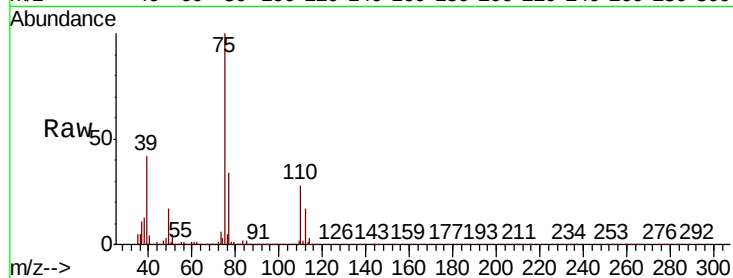


#39

cis-1,3-Dichloropropene
 Concen: 5.266 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: VR025553.D
 Acq: 31 Jul 2018 17:44

Instrument :
 MSVOA_R
 ClientSampleId :

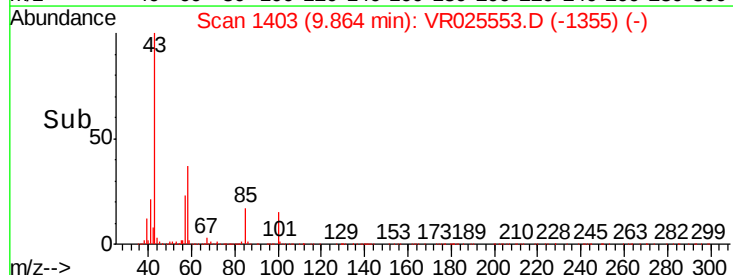
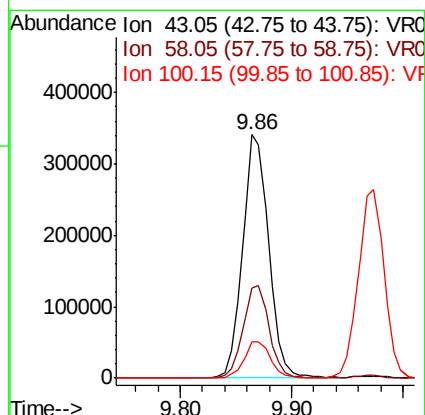
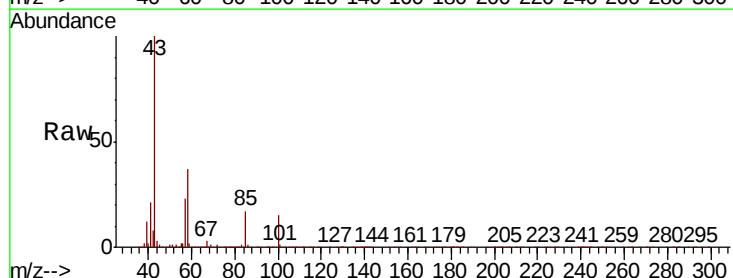
Tot Ion: 75 Resp: 201153
 Ion Ratio Lower Upper
 75 100
 77 33.7 21.6 40.0

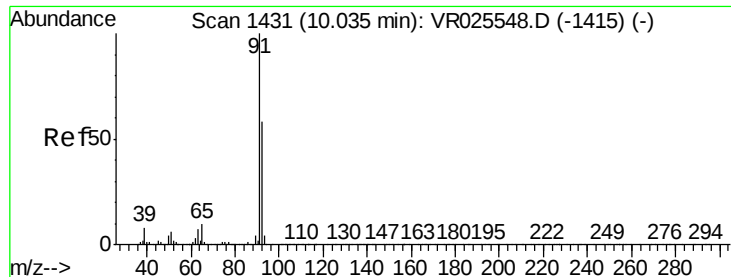


#40

4-Methyl-2-pentanone
 Concen: 56.818 ug/L
 RT: 9.86 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: VR025553.D
 Acq: 31 Jul 2018 17:44

Tgt Ion: 43 Resp: 553944
 Ion Ratio Lower Upper
 43 100
 58 37.9 31.0 46.6
 100 15.2 11.9 17.9





#42

Toluene

Concen: 5.259 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

Instrument :

MSVOA_R

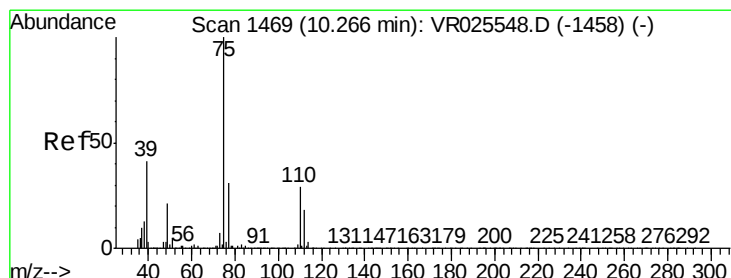
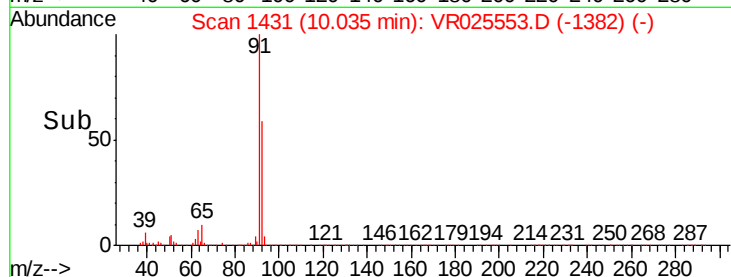
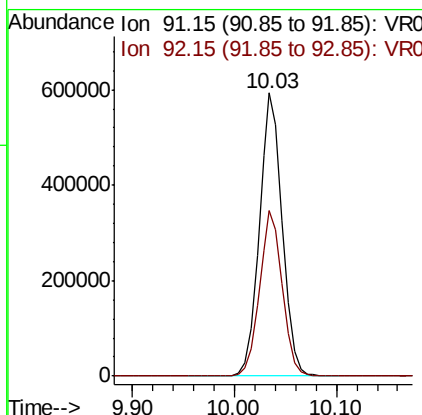
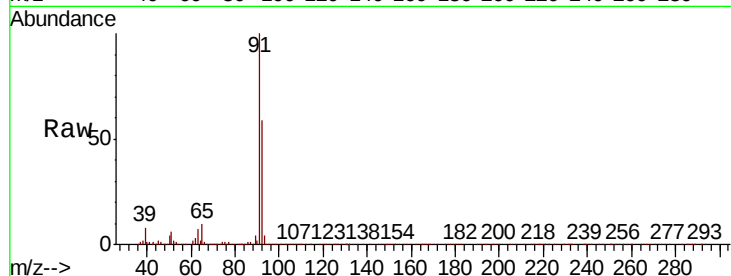
ClientSampleId :

Tot Ion: 91 Resp: 920561

Ion Ratio Lower Upper

91 100

92 58.7 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.316 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VR025553.D

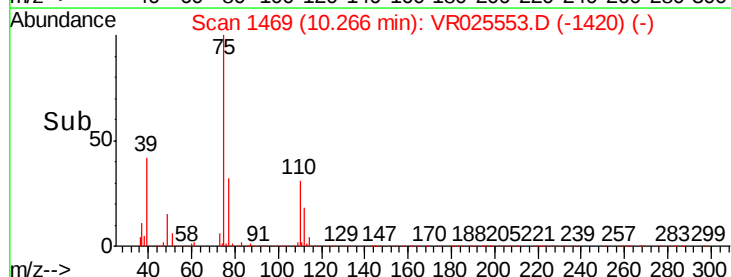
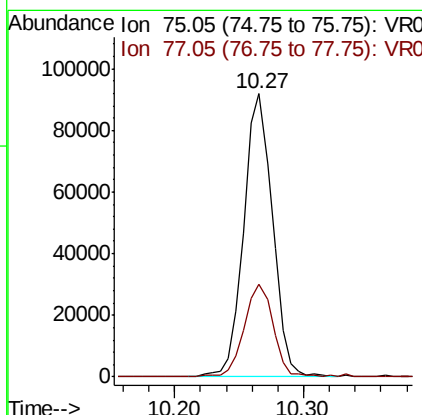
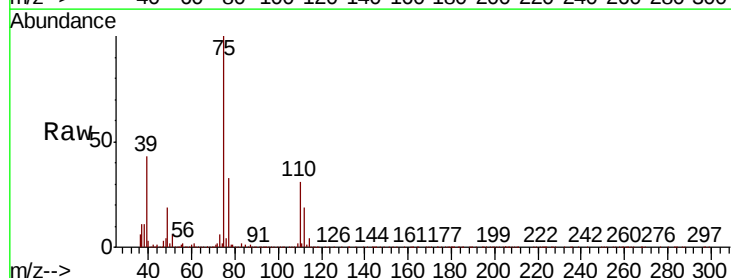
Acq: 31 Jul 2018 17:44

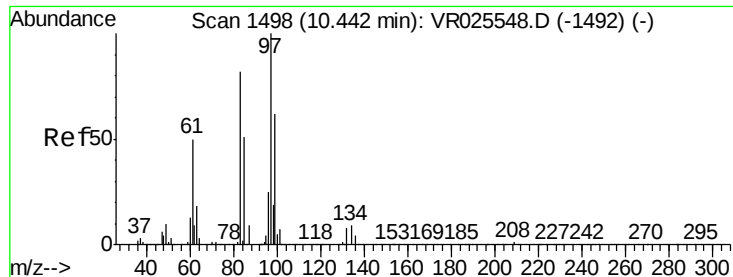
Tgt Ion: 75 Resp: 141777

Ion Ratio Lower Upper

75 100

77 32.7 22.8 42.4

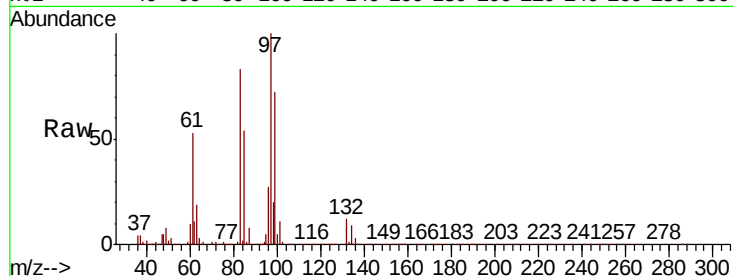




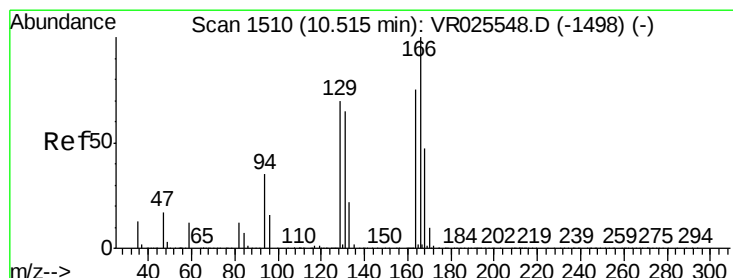
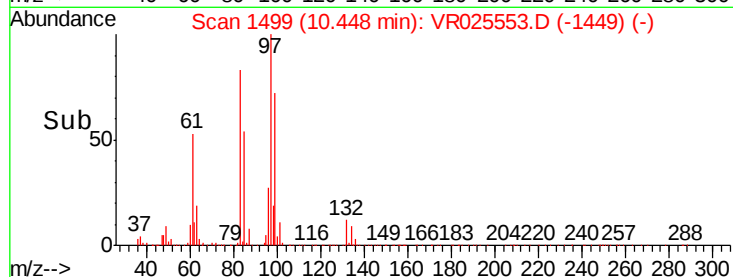
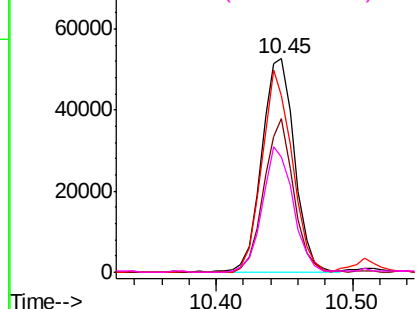
#45
 1,1,2-Trichloroethane
 Concen: 5.124 ug/L
 RT: 10.45 min Scan# 1499
 Delta R.T. 0.01 min
 Lab File: VR025553.D
 Acq: 31 Jul 2018 17:44

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	97	Resp:	88288
Ion	Ratio	Lower	Upper
97	100		
99	72.0	43.4	80.6
83	82.7	57.3	106.5
85	54.1	35.8	66.4

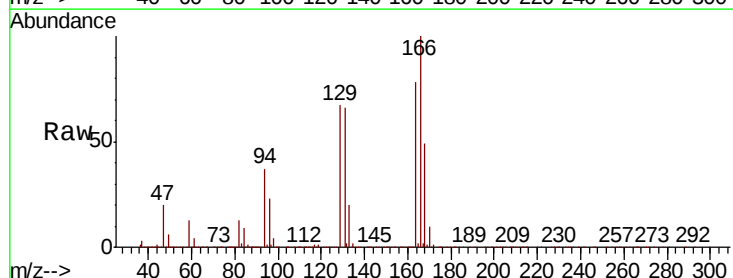


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 82.95 (82.65 to 83.65): VR0
 Ion 85.00 (84.70 to 85.70): VR0

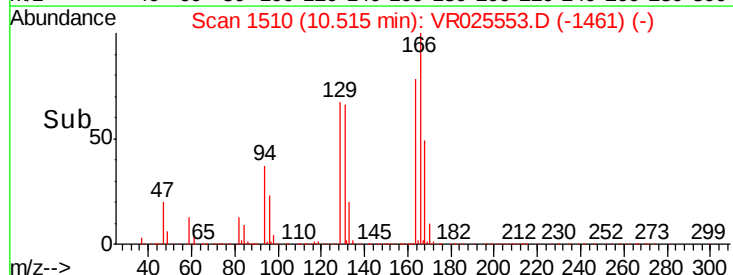
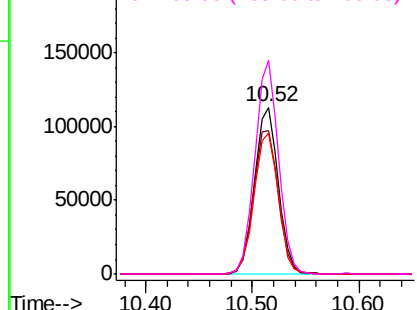


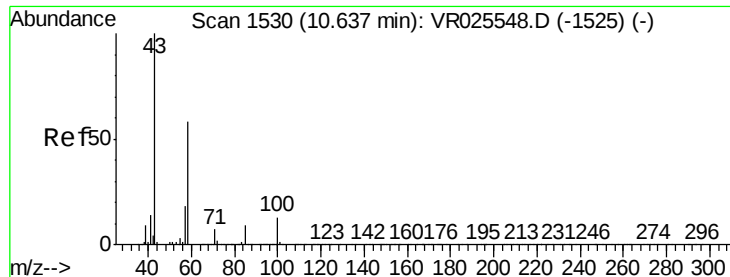
#47
 Tetrachloroethene
 Concen: 5.084 ug/L
 RT: 10.52 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VR025553.D
 Acq: 31 Jul 2018 17:44

Tgt Ion:	164	Resp:	177821
Ion	Ratio	Lower	Upper
164	100		
129	86.2	63.0	117.0
131	84.5	60.6	112.6
166	128.2	87.6	162.8



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

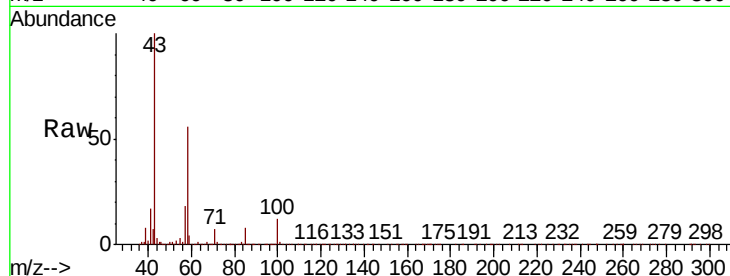




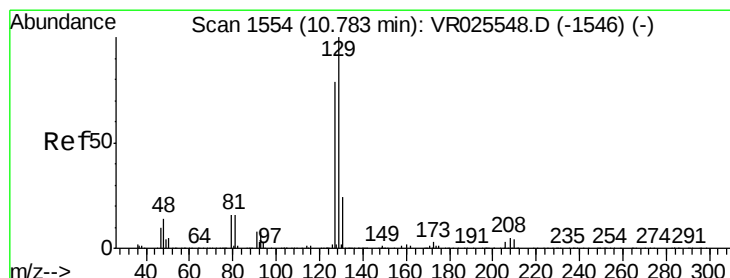
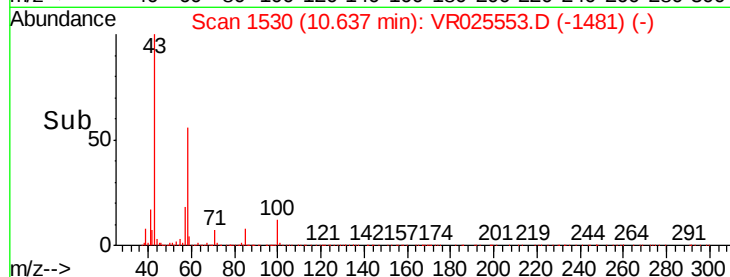
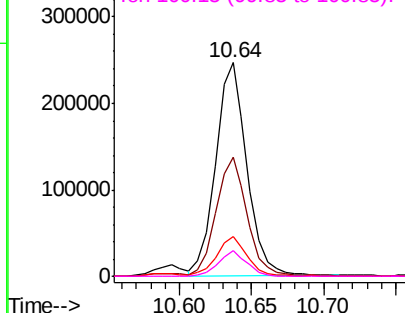
#48
2-Hexanone
Concen: 56.649 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:	43	Resp:	372461
Ion	Ratio	Lower	Upper
43	100		
58	56.0	45.0	67.6
57	17.6	15.8	23.6
100	11.2	9.3	13.9

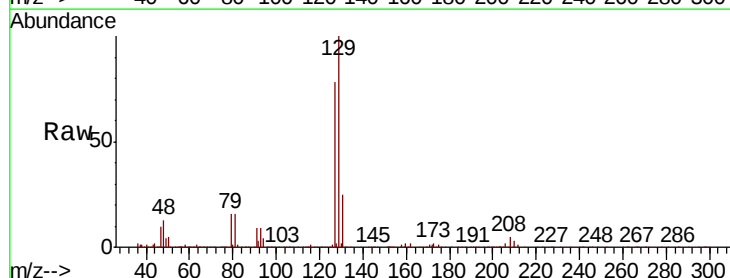


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

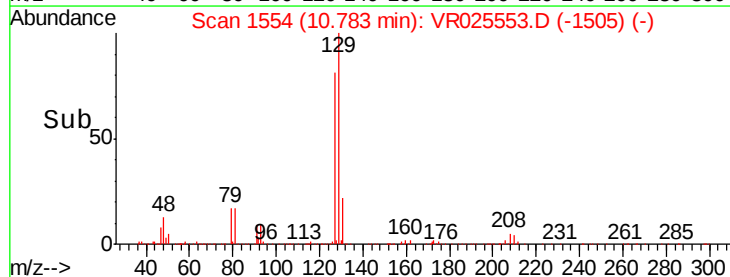
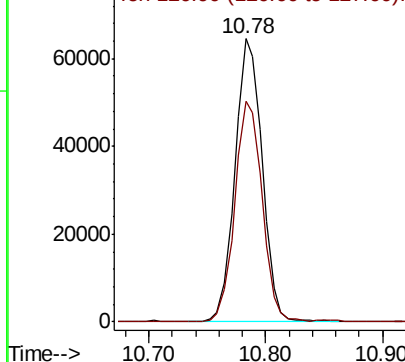


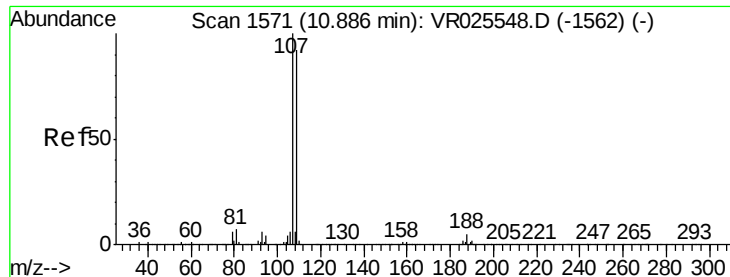
#49
Dibromochloromethane
Concen: 5.126 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

Tgt Ion:	129	Resp:	104193
Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.3	100.9



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

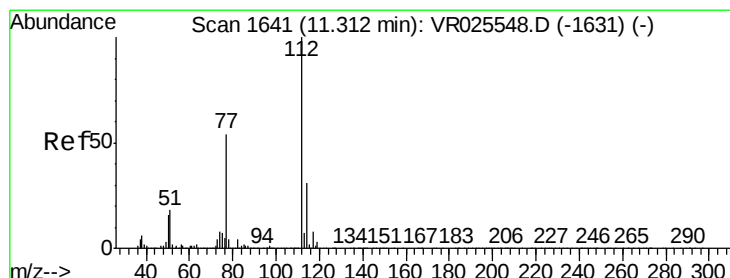
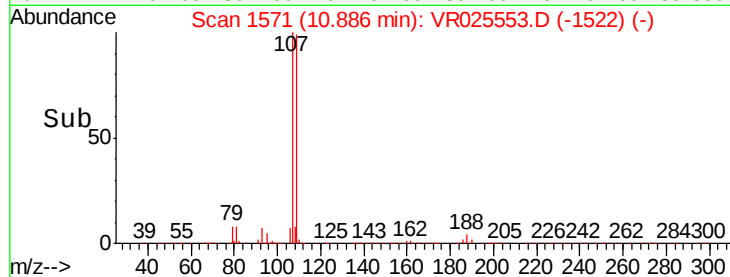
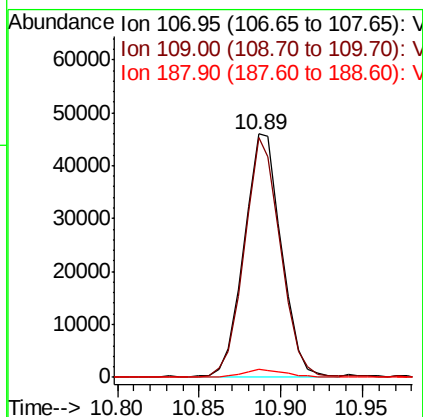
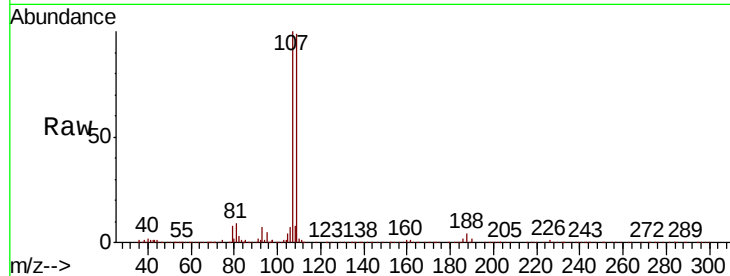




#50
1,2-Dibromoethane
Concen: 5.092 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

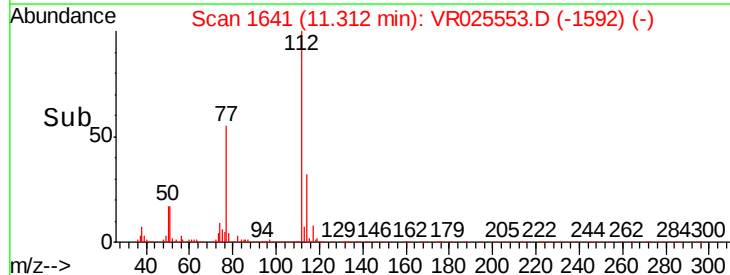
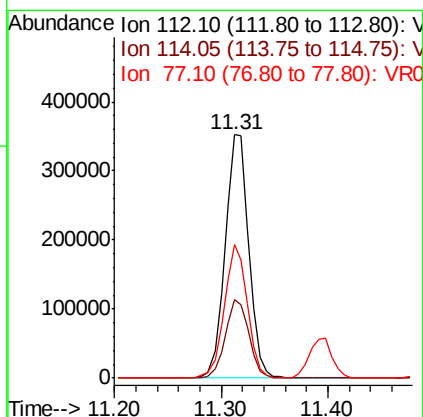
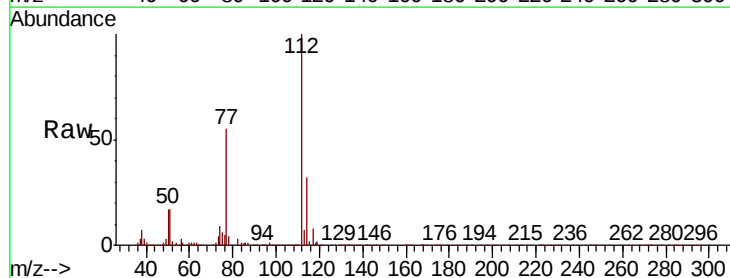
Instrument :
MSVOA_R
ClientSampleId :

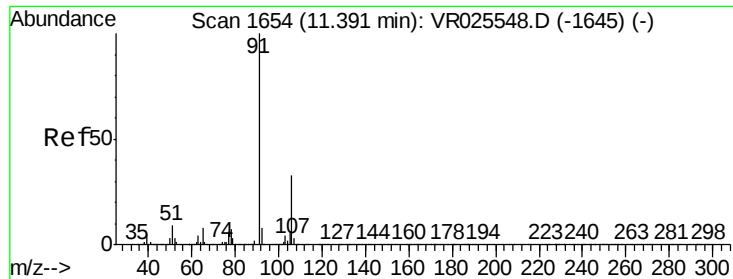
Tot Ion:107 Resp: 73192
Ion Ratio Lower Upper
107 100
109 98.6 60.6 112.6
188 3.5 2.4 3.6



#51
Chlorobenzene
Concen: 5.162 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

Tgt Ion:112 Resp: 546364
Ion Ratio Lower Upper
112 100
114 32.4 21.8 40.4
77 55.0 41.8 62.8





#52

Ethylbenzene

Concen: 5.246 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

Instrument :

MSVOA_R

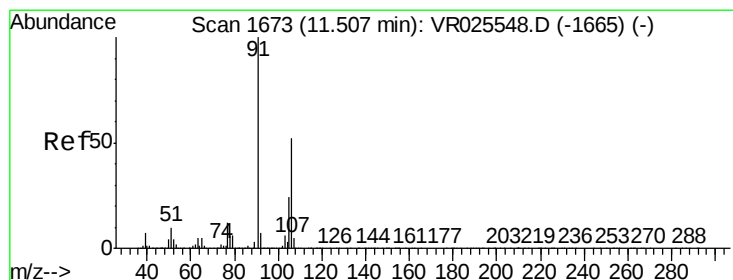
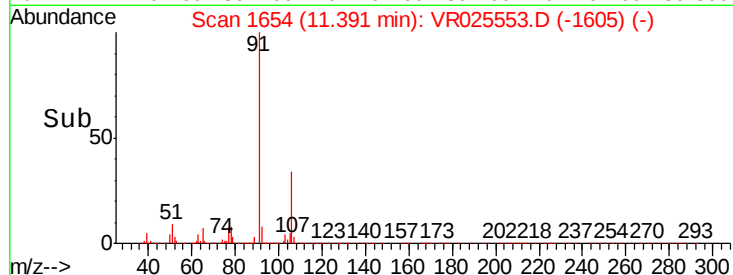
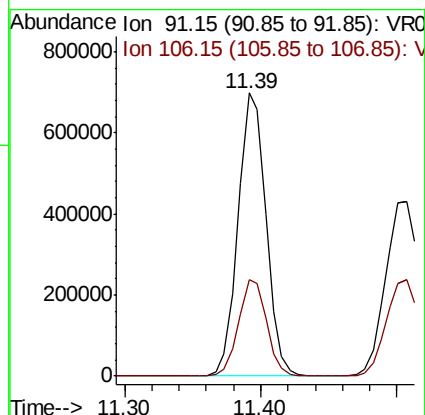
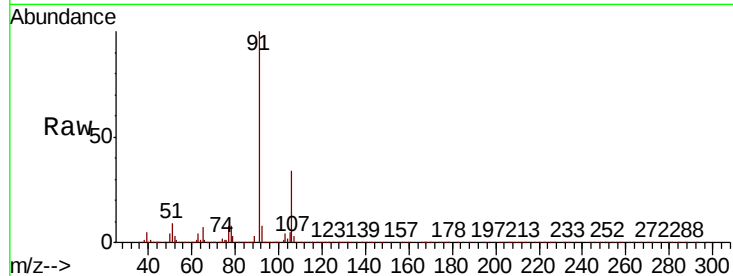
ClientSampleId :

Tot Ion: 91 Resp: 998347

Ion Ratio Lower Upper

91 100

106 34.3 23.6 43.8



#53

m,p-Xylene

Concen: 5.496 ug/L

RT: 11.51 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VR025553.D

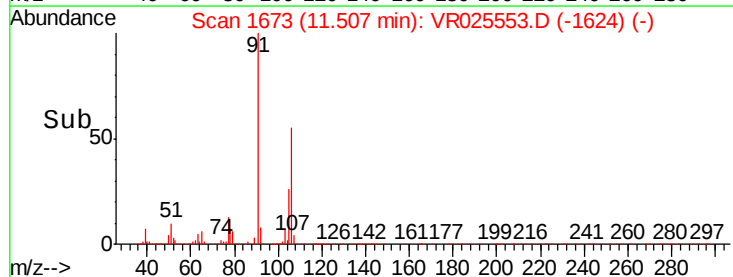
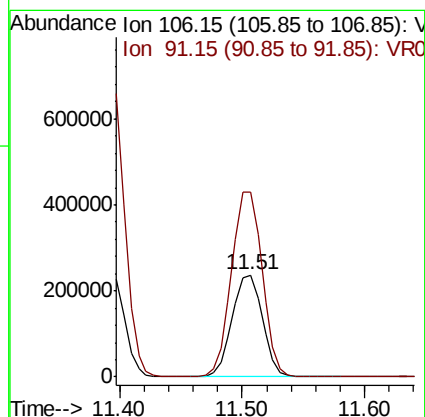
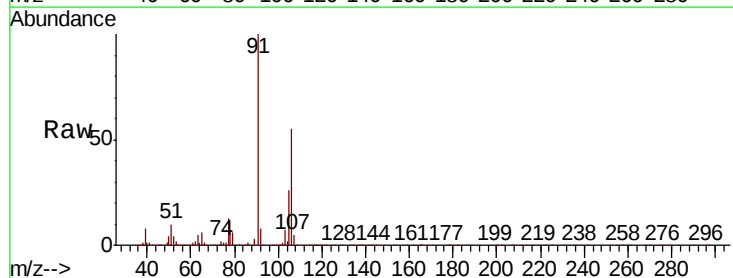
Acq: 31 Jul 2018 17:44

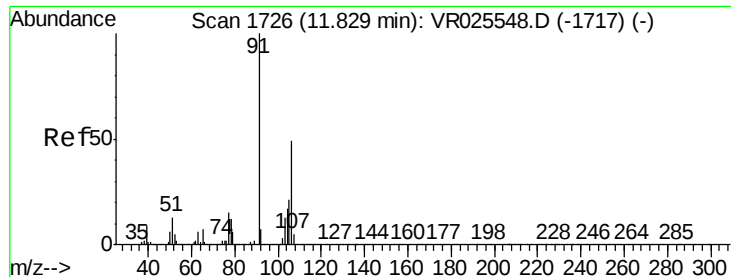
Tgt Ion: 106 Resp: 404689

Ion Ratio Lower Upper

106 100

91 180.9 128.2 238.0

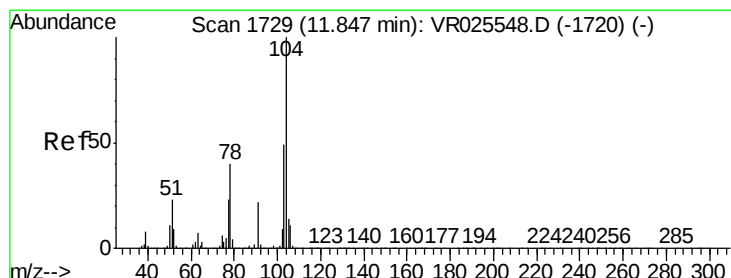
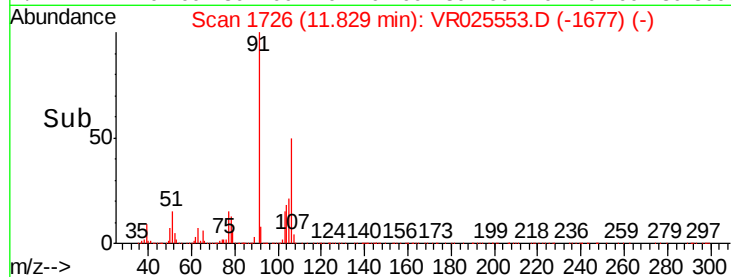
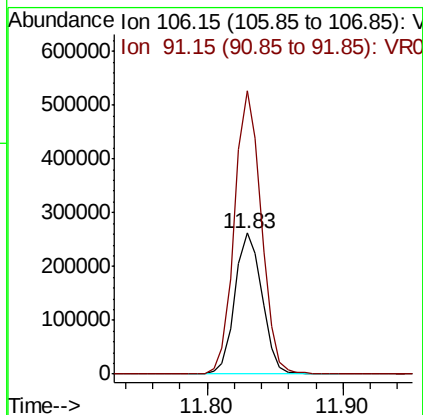
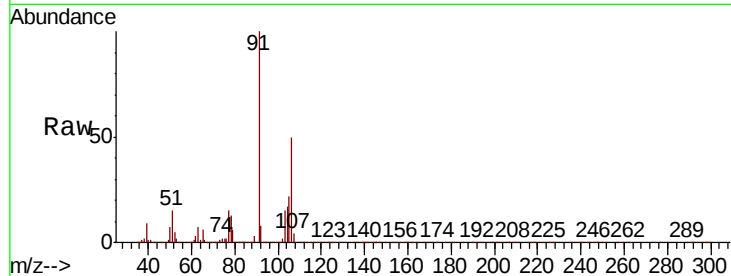




#54
o-Xylene
Concen: 5.398 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

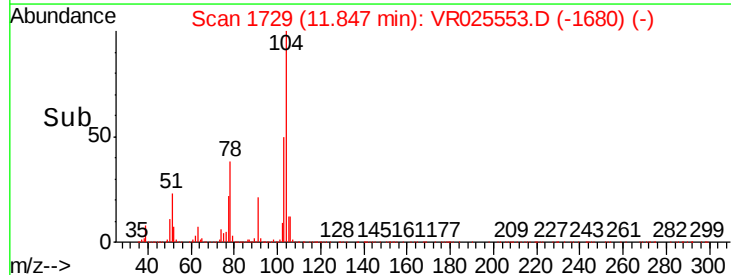
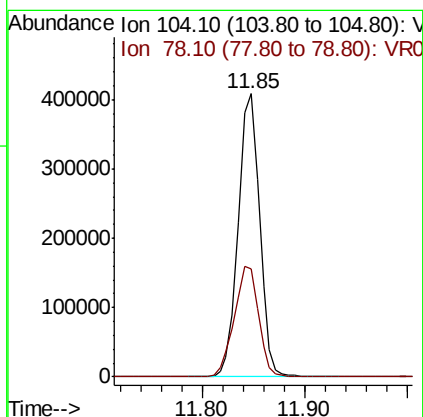
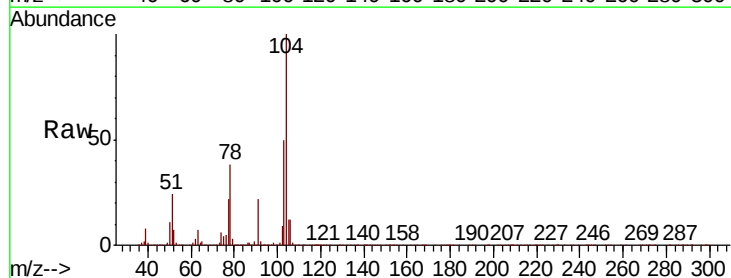
Instrument :
MSVOA_R
ClientSampleId :

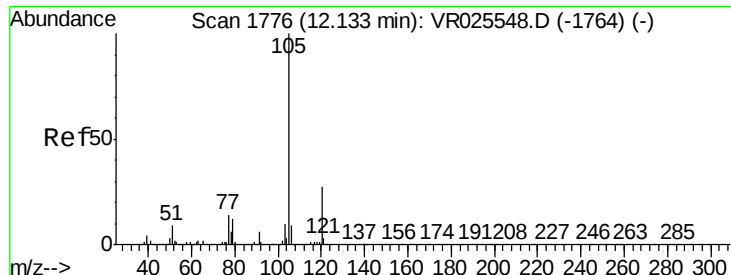
Tot Ion:106 Resp: 364908
Ion Ratio Lower Upper
106 100
91 200.7 143.0 265.6



#55
Styrene
Concen: 5.495 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. -0.00 min
Lab File: VR025553.D
Acq: 31 Jul 2018 17:44

Tgt Ion:104 Resp: 591749
Ion Ratio Lower Upper
104 100
78 38.0 26.0 48.2





#56

Isopropylbenzene

Concen: 5.517 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

Instrument :

MSVOA_R

ClientSampleId :

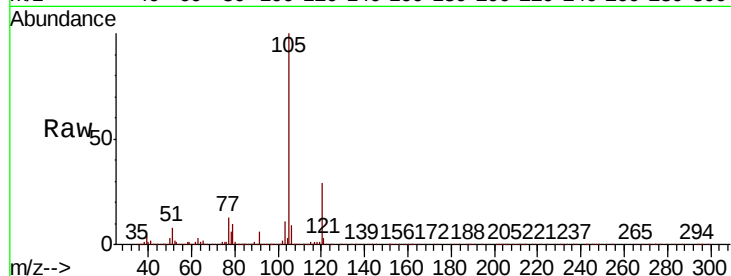
Tot Ion:105 Resp: 981064

Ion Ratio Lower Upper

105 100

120 28.1 22.5 33.7

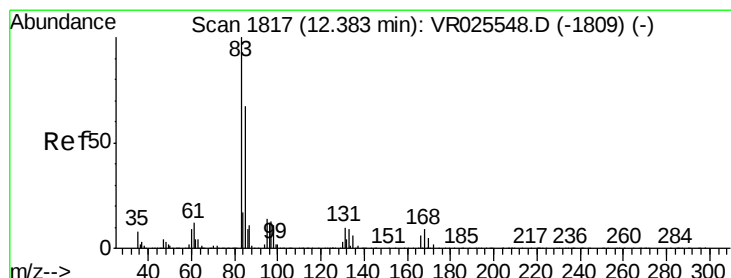
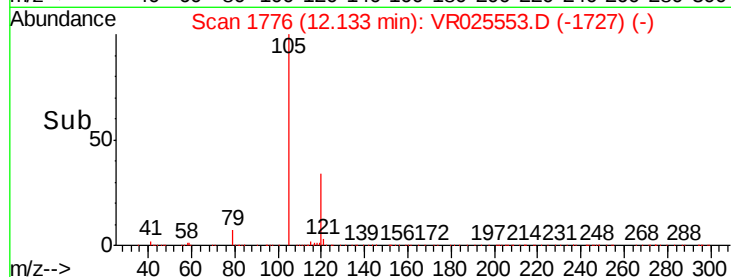
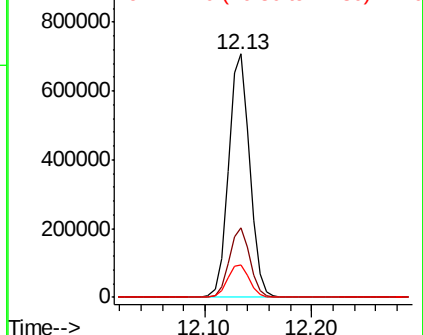
77 14.0 11.8 17.6



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): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 5.425 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

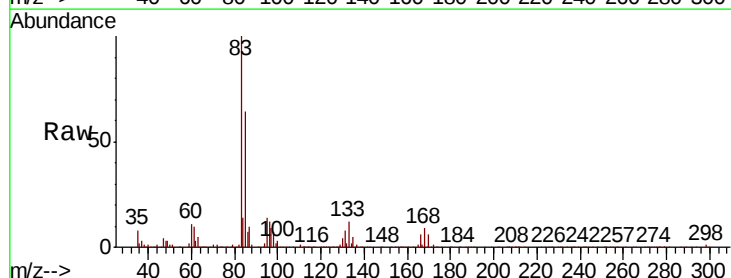
Tgt Ion: 83 Resp: 88576

Ion Ratio Lower Upper

83 100

85 63.9 42.5 78.9

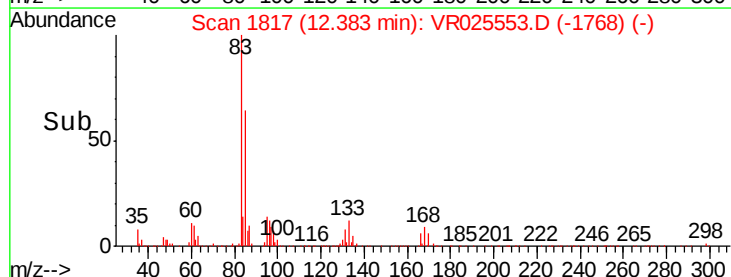
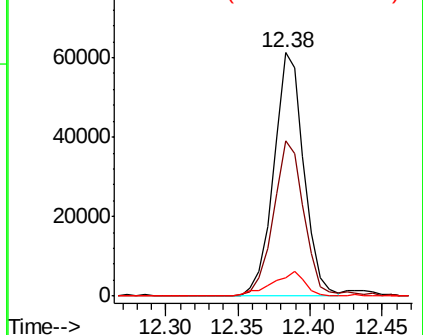
131 7.6 8.6 13.0#

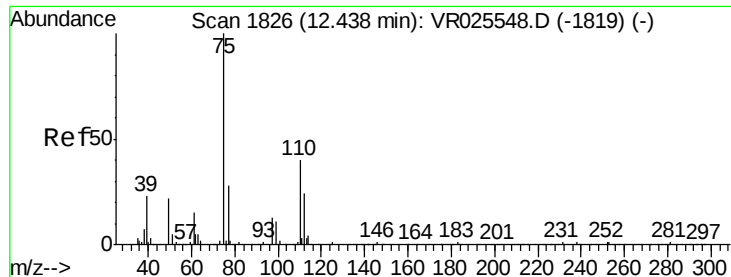


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.253 ug/L

RT: 12.44 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

Instrument :

MSVOA_R

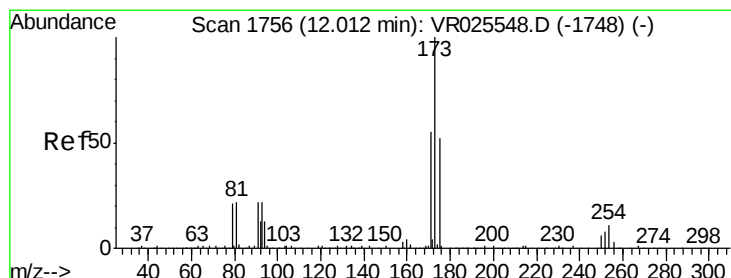
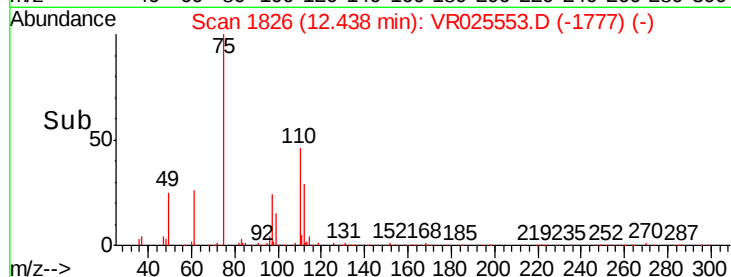
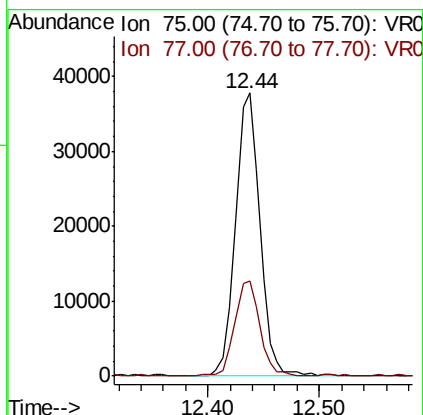
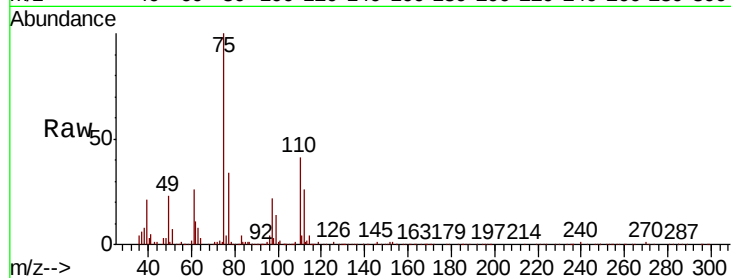
ClientSampleId :

Tot Ion: 75 Resp: 57302

Ion Ratio Lower Upper

75 100

77 34.6 24.7 37.1



#61

Bromoform

Concen: 4.510 ug/L

RT: 12.01 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

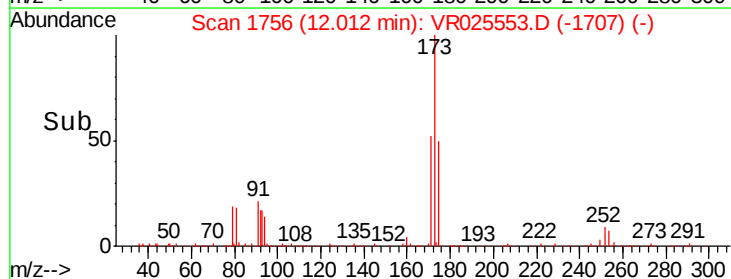
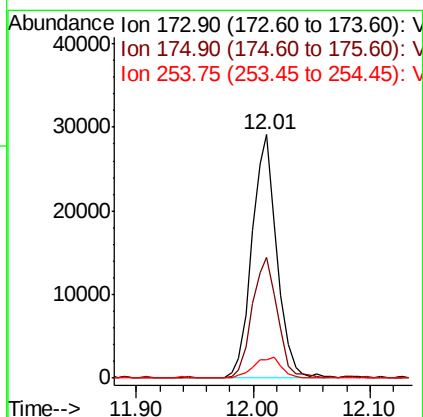
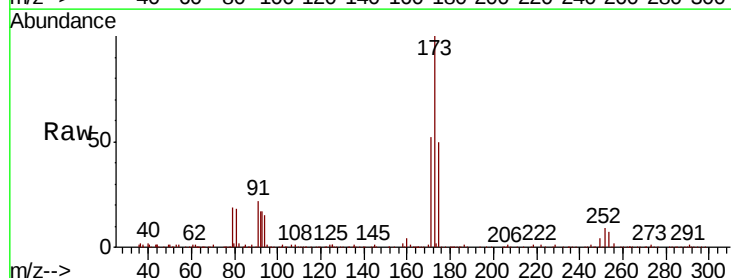
Tgt Ion: 173 Resp: 43389

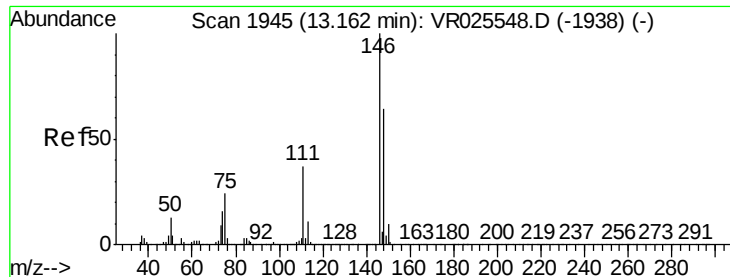
Ion Ratio Lower Upper

173 100

175 50.4 39.3 58.9

254 9.9 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 4.935 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VR025553.D

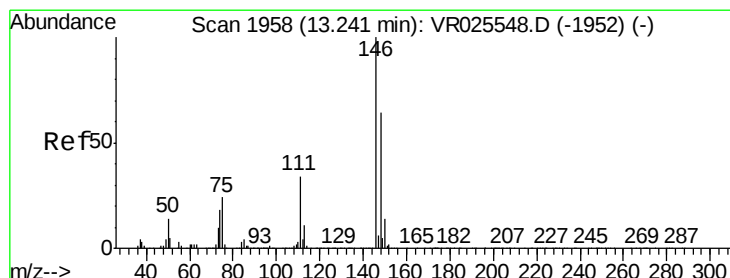
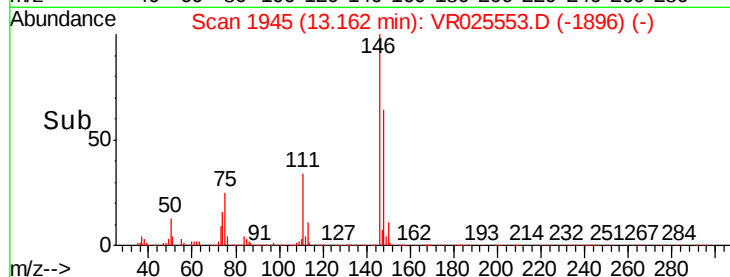
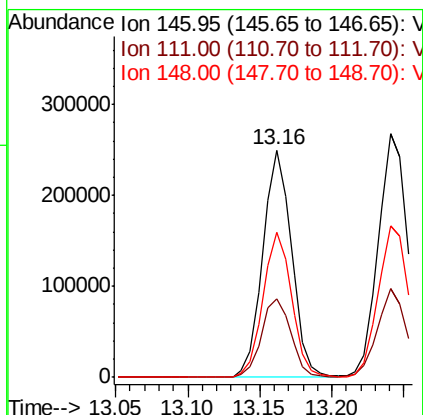
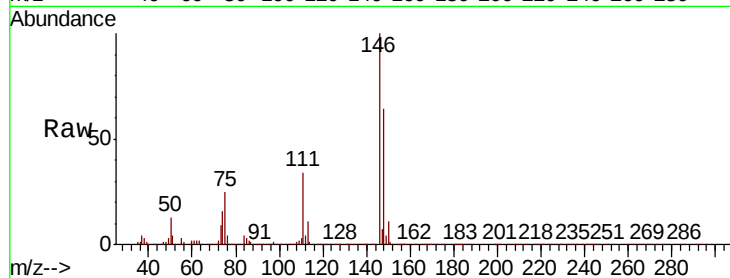
Acq: 31 Jul 2018 17:44

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:146	Resp:	344610
Ion Ratio	Lower	Upper
146	100	
111	34.3	26.2 48.6
148	63.9	45.2 84.0



#63

1,4-Dichlorobenzene

Concen: 4.955 ug/L

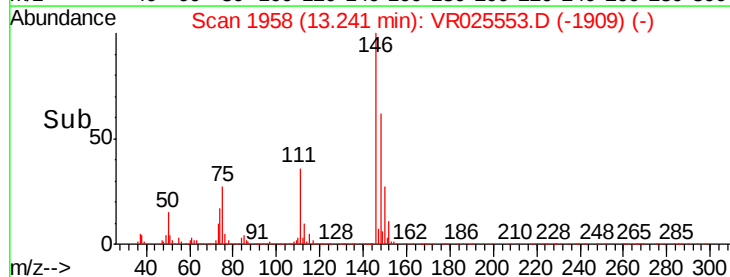
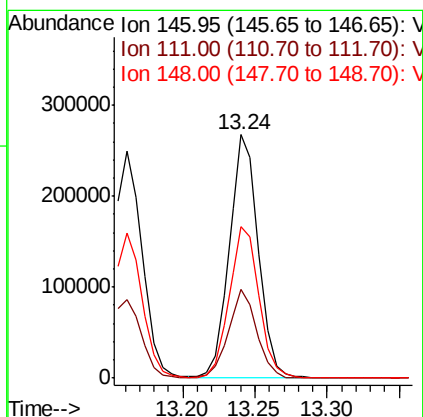
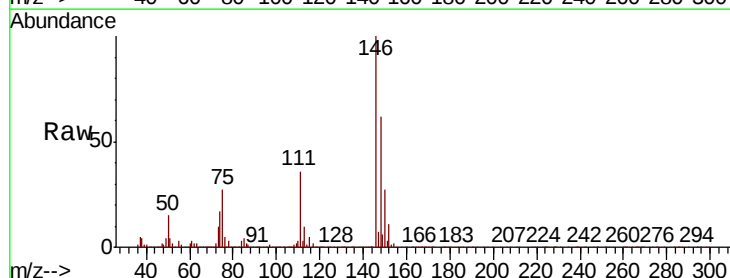
RT: 13.24 min Scan# 1958

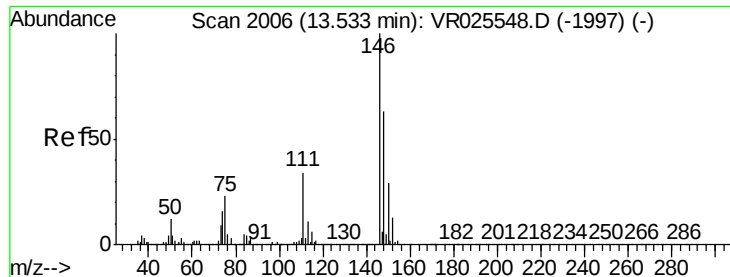
Delta R.T. -0.00 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

Tgt Ion:146	Resp:	375611
Ion Ratio	Lower	Upper
146	100	
111	36.3	25.6 47.6
148	62.4	44.2 82.0





#65

1,2-Dichlorobenzene

Concen: 5.026 ug/L

RT: 13.53 min Scan# 2006

Delta R.T. -0.00 min

Lab File: VR025553.D

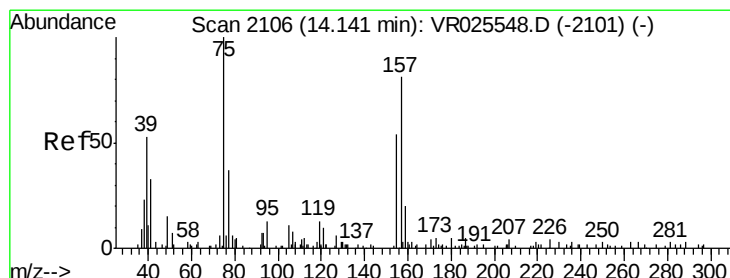
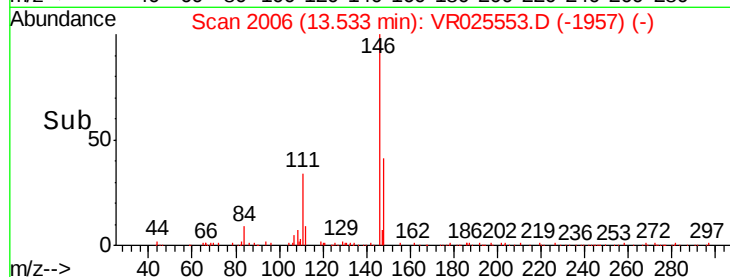
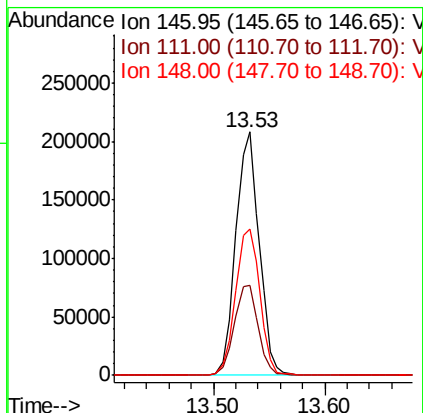
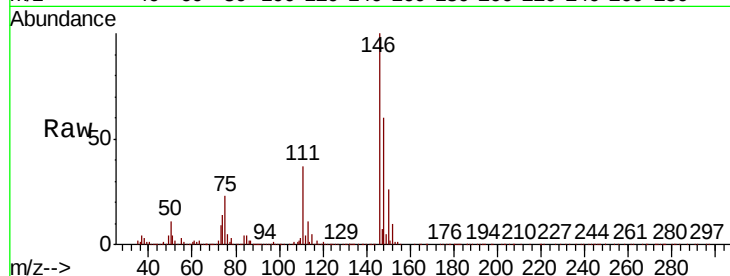
Acq: 31 Jul 2018 17:44

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:	146	Resp:	301550
Ion	Ratio	Lower	Upper
146	100		
111	37.0	28.9	43.3
148	60.1	52.1	78.1



#66

1,2-Dibromo-3-chloropropane

Concen: 4.022 ug/L

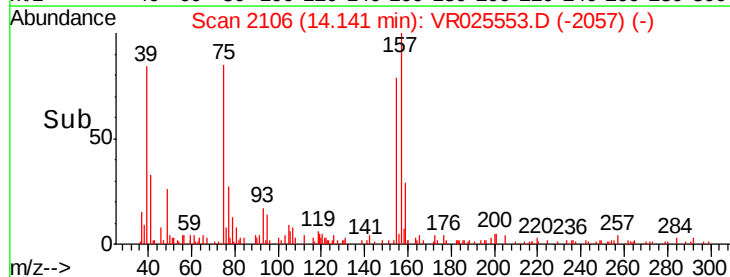
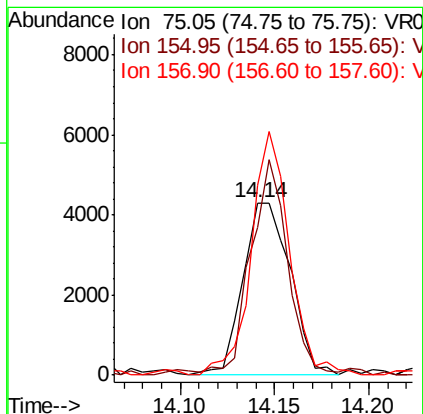
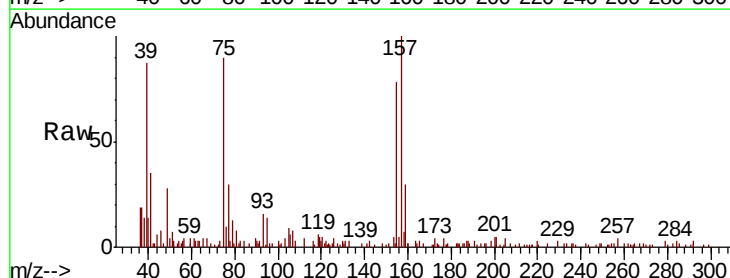
RT: 14.14 min Scan# 2106

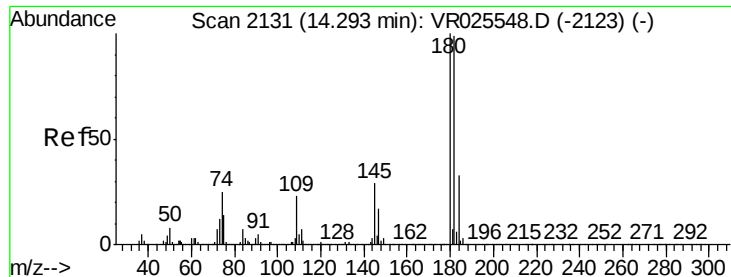
Delta R.T. -0.00 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

Tgt Ion:	75	Resp:	7467
Ion	Ratio	Lower	Upper
75	100		
155	85.9	62.3	93.5
157	110.6	67.7	101.5#

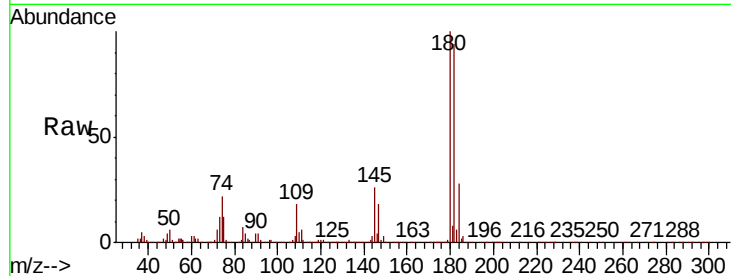




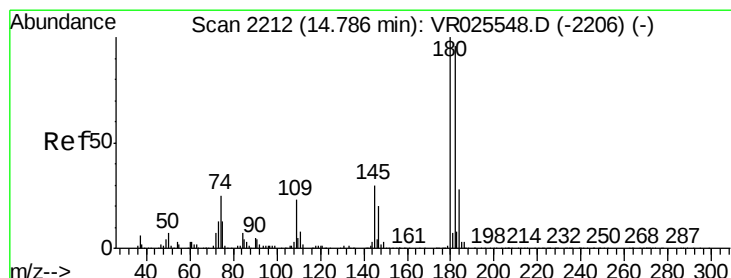
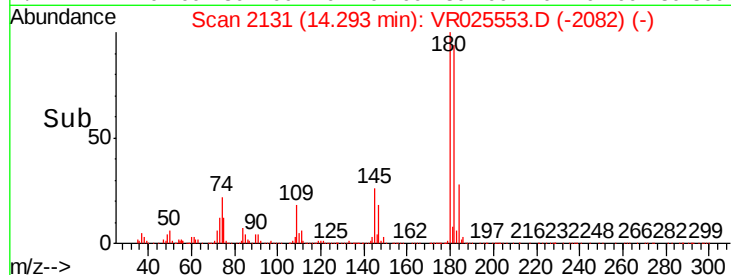
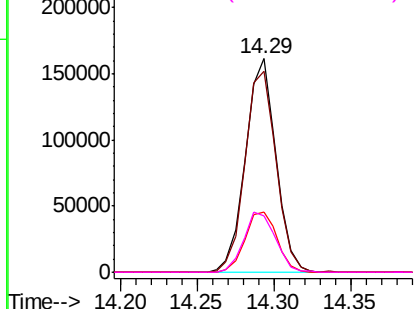
#67
 1,3,5-Trichlorobenzene
 Concen: 4.688 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: VR025553.D
 Acq: 31 Jul 2018 17:44

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	180	Resp:	222541
Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.0	112.4
184	29.8	24.1	36.1
145	29.4	24.1	36.1

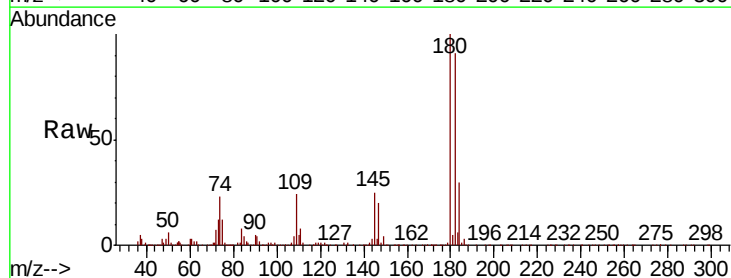


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

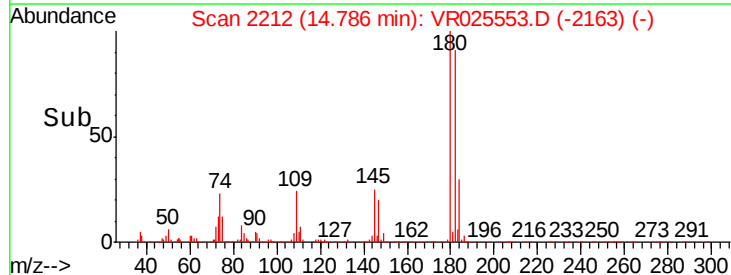
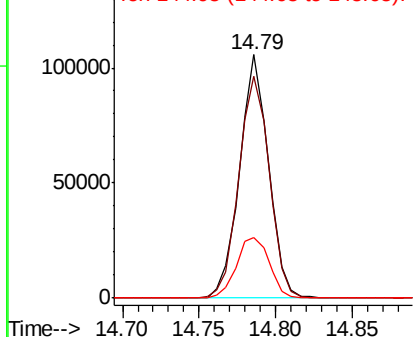


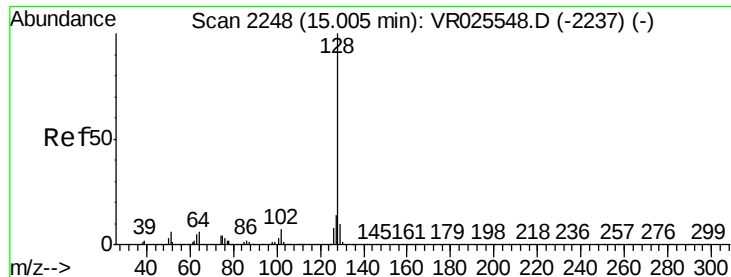
#68
 1,2,4-trichlorobenzene
 Concen: 4.530 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025553.D
 Acq: 31 Jul 2018 17:44

Tgt Ion:	180	Resp:	138173
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.8	115.2
145	28.6	24.0	36.0



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





#69

Naphthalene

Concen: 4.503 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. -0.00 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

Instrument :

MSVOA_R

ClientSampled :

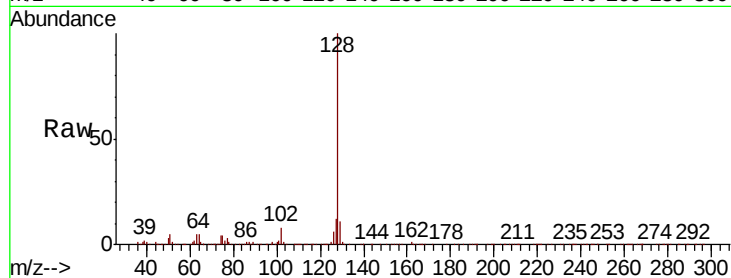
Tot Ion:128 Resp: 156913

Ion Ratio Lower Upper

128 100

127 13.5 11.1 16.7

129 11.1 8.9 13.3



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

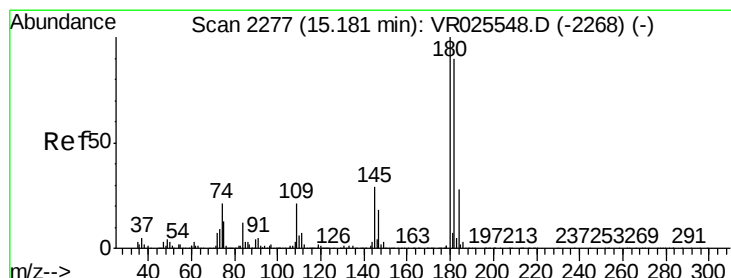
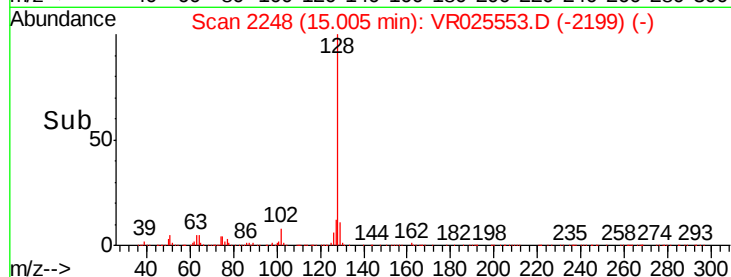
15.00

100000

50000

0

Time--> 14.90 14.95 15.00 15.05



#70

1,2,3-Trichlorobenzene

Concen: 4.672 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VR025553.D

Acq: 31 Jul 2018 17:44

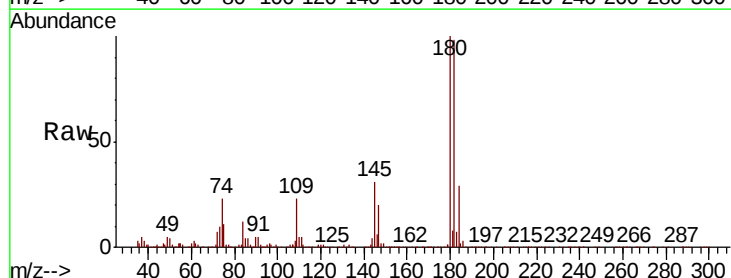
Tgt Ion:180 Resp: 109596

Ion Ratio Lower Upper

180 100

182 94.3 75.6 113.4

145 33.0 26.1 39.1



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

80000

60000

40000

20000

0

Time--> 15.10 15.20

