

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR073018\
 Data File : VR025546.D
 Acq On : 30 Jul 2018 18:54
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Jul 31 08:27:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 30 16:58:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	576999	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	512718	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	224593	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	181985	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	2.64	69	134317	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	3.64	63	428754	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.80%
20) 2-Butanone-d5	6.60	46	181863	61.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.08%
24) Chloroform-d	7.21	84	303962	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	7.90	65	108515	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	7.86	84	686676	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	8.90	67	181659	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	9.97	98	677222	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	10.24	79	45820	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	10.59	63	182829	61.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.92%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	92391	5.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	177694	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	180718	5.471	ug/L 100
3) Chloromethane	2.01	50	225582	5.170	ug/L 97
5) Vinyl chloride	2.16	62	231440	5.309	ug/L 95
6) Bromomethane	2.53	94	111823	4.664	ug/L 95
8) Chloroethane	2.67	64	116997	4.832	ug/L 98
9) Trichlorofluoromethane	2.98	101	333969	5.607	ug/L # 44
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	214836	5.583	ug/L 98
12) 1,1-Dichloroethene	3.66	96	216996	5.265	ug/L 95
13) Acetone	3.71	43	164692	66.303	ug/L 98
14) Carbon disulfide	3.97	76	476779	4.994	ug/L 99
15) Methyl Acetate	4.19	43	43991	5.609	ug/L 99
16) Methylene chloride	4.41	84	103479	2.973	ug/L 99
17) Methyl tert-butyl Ether	4.91	73	216465	5.232	ug/L 100
18) trans-1,2-Dichloroethene	4.89	96	201233	5.098	ug/L 98
19) 1,1-Dichloroethane	5.70	63	293102	5.075	ug/L 98
21) 2-Butanone	6.70	43	213072	61.743	ug/L 98
22) cis-1,2-Dichloroethene	6.68	96	195783	5.431	ug/L # 91

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

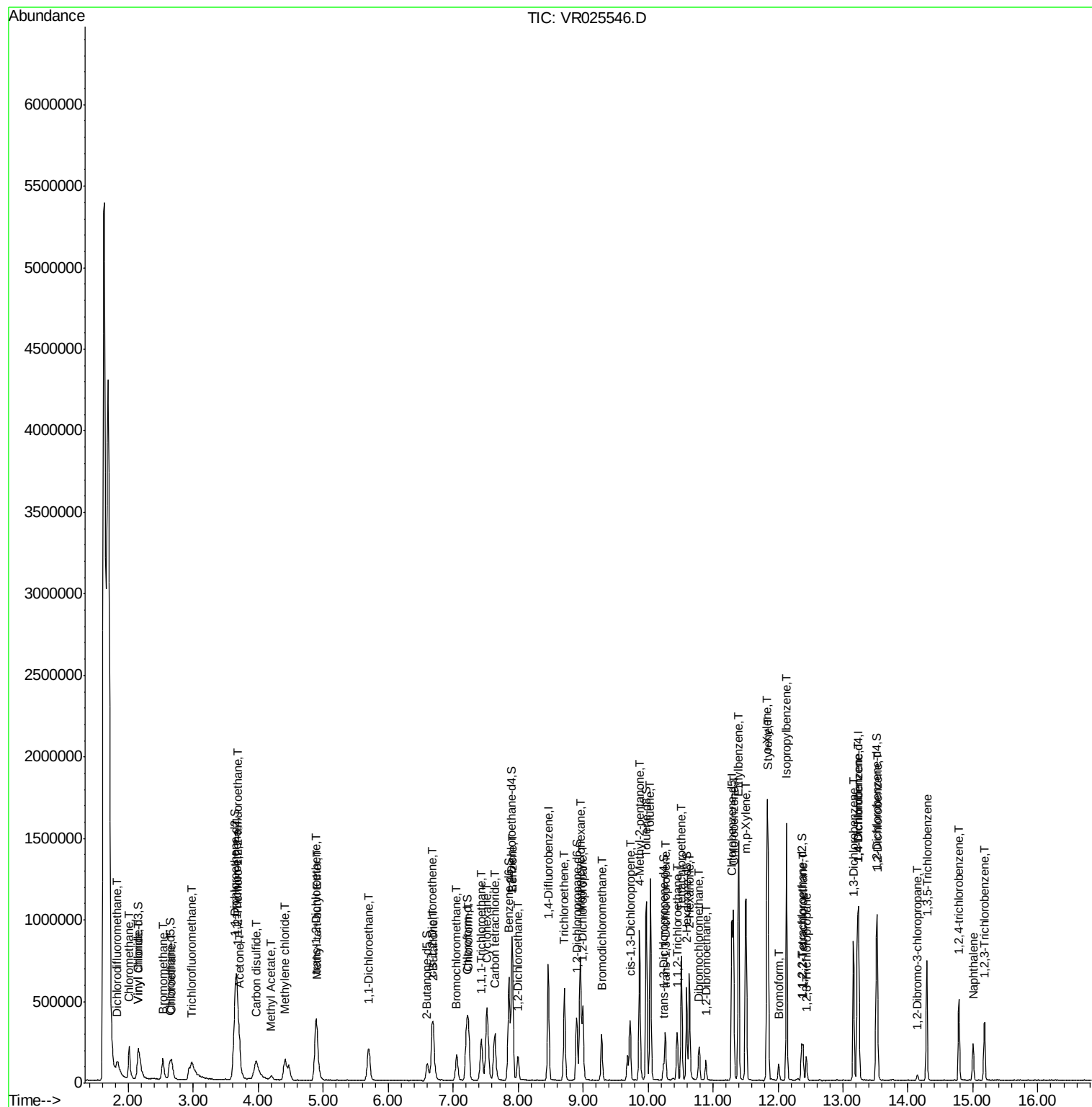
23) Bromochloromethane	7.06	128	64010	5.352	uq/L	92
25) Chloroform	7.24	83	291991	5.106	uq/L	100
27) 1,2-Dichloroethane	8.00	62	120783	5.301	uq/L #	93
29) 1,1,1-Trichloroethane	7.43	97	208755	4.597	uq/L	99
30) Cyclohexane	7.52	56	278964	5.333	uq/L	99
31) Carbon tetrachloride	7.64	117	220926	4.714	uq/L	98
33) Benzene	7.91	78	785484	4.959	uq/L	100
34) Trichloroethene	8.71	95	183775	4.665	uq/L	95
35) Methylcyclohexane	8.96	83	327568	5.530	uq/L	99
37) 1,2-Dichloropropane	9.00	63	169054	5.070	uq/L	100
38) Bromodichloromethane	9.29	83	170708	5.012	uq/L	99
39) cis-1,3-Dichloropropene	9.72	75	193561	5.258	uq/L	94
40) 4-Methyl-2-pentanone	9.87	43	556877	59.270	uq/L	99
42) Toluene	10.03	91	864965	5.128	uq/L	100
44) trans-1,3-Dichloropropene	10.27	75	135182	5.260	uq/L	100
45) 1,1,2-Trichloroethane	10.45	97	89875	5.412	uq/L	97
47) Tetrachloroethene	10.52	164	167886	4.981	uq/L	98
48) 2-Hexanone	10.64	43	393377	62.084	uq/L	96
49) Dibromochloromethane	10.79	129	100448	5.128	uq/L	95
50) 1,2-Dibromoethane	10.89	107	73535	5.308	uq/L	94
51) Chlorobenzene	11.31	112	510411	5.004	uq/L	97
52) Ethylbenzene	11.39	91	938024	5.114	uq/L	99
53) m,p-Xylene	11.51	106	368564	5.194	uq/L	97
54) o-Xylene	11.83	106	337920	5.187	uq/L	97
55) Styrene	11.85	104	554029	5.338	uq/L	96
56) Isopropylbenzene	12.13	105	900454	5.255	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	88533	5.626	uq/L	92
59) 1,2,3-Trichloropropane	12.44	75	56690	5.393	uq/L	96
61) Bromoform	12.01	173	43687	4.883	uq/L	100
62) 1,3-Dichlorobenzene	13.16	146	325342	5.009	uq/L	99
63) 1,4-Dichlorobenzene	13.24	146	361160	5.123	uq/L	97
65) 1,2-Dichlorobenzene	13.53	146	285153	5.110	uq/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	8156	4.724	uq/L #	80
67) 1,3,5-Trichlorobenzene	14.29	180	214502	4.859	uq/L	100
68) 1,2,4-trichlorobenzene	14.79	180	138058	4.867	uq/L	98
69) Naphthalene	15.00	128	169130	5.219	uq/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	112056	5.137	uq/L	99

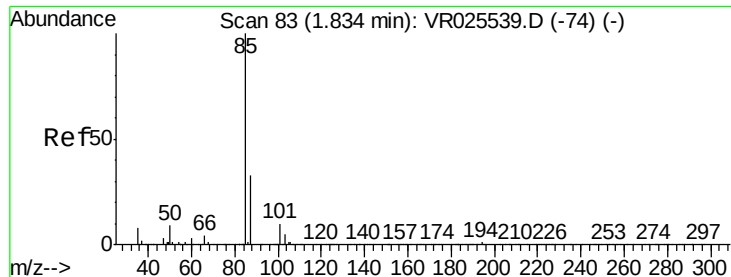
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.471 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.00 min

Lab File: VR025546.D

Acq: 30 Jul 2018 18:54

Instrument :

MSVOA_R

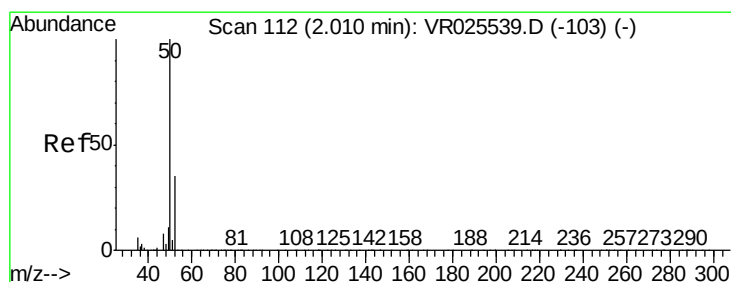
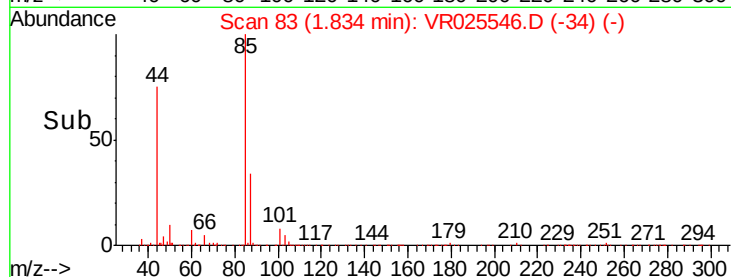
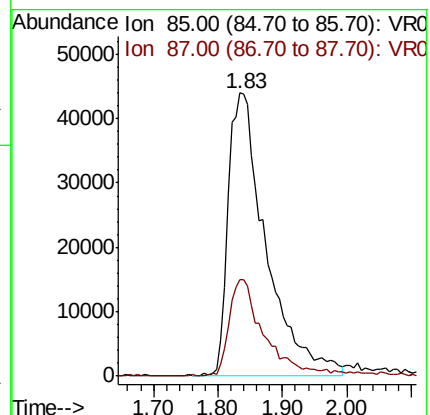
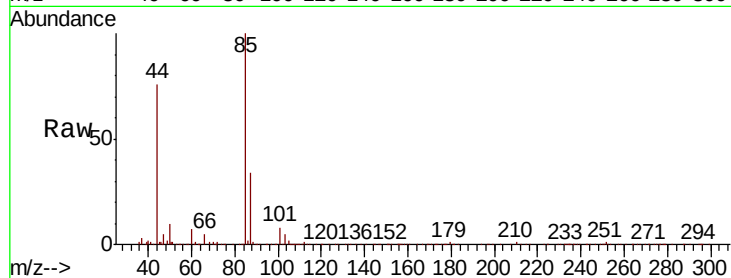
ClientSampleId :

Tot Ion: 85 Resp: 180718

Ion Ratio Lower Upper

85 100

87 31.3 25.0 37.6



#3

Chloromethane

Concen: 5.170 ug/L

RT: 2.01 min Scan# 112

Delta R.T. 0.00 min

Lab File: VR025546.D

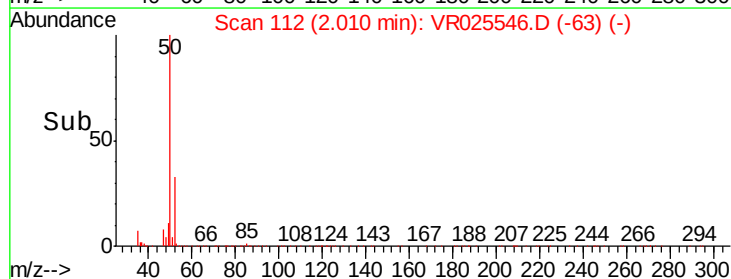
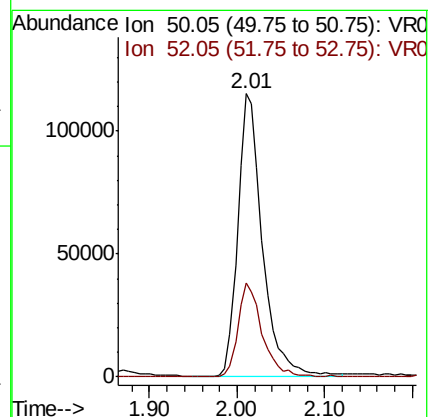
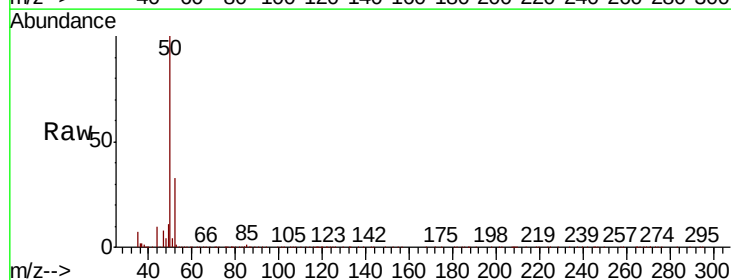
Acq: 30 Jul 2018 18:54

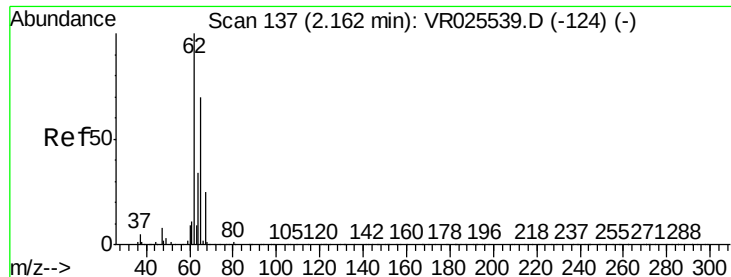
Tgt Ion: 50 Resp: 225582

Ion Ratio Lower Upper

50 100

52 33.1 24.4 45.4





#5

Vinyl chloride

Concen: 5.309 ug/L

RT: 2.16 min Scan# 137

Delta R.T. 0.00 min

Lab File: VR025546.D

Acq: 30 Jul 2018 18:54

Instrument :

MSVOA_R

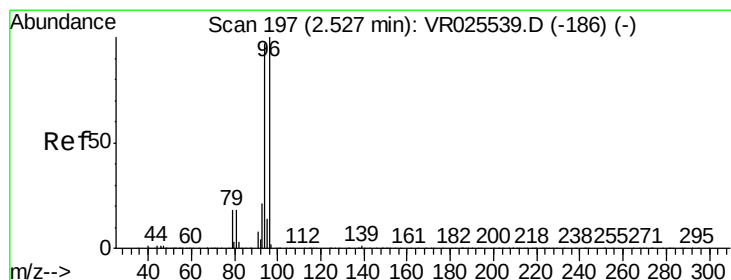
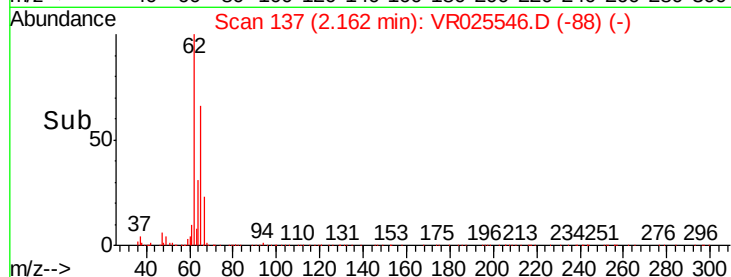
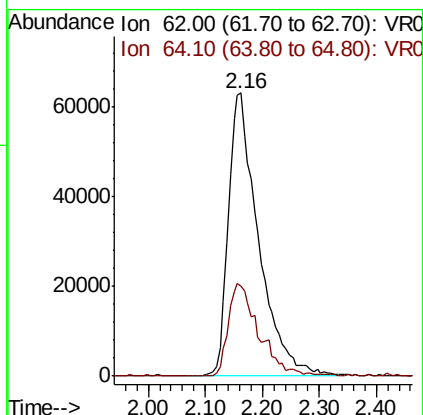
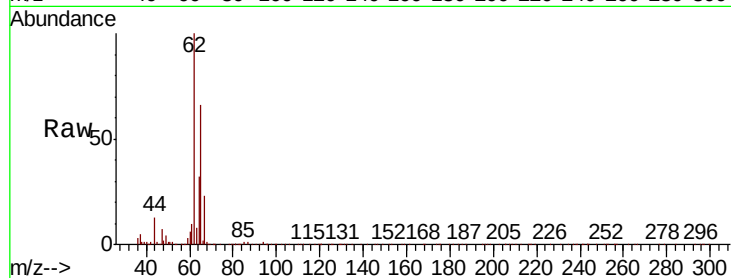
ClientSampleId :

Tot Ion: 62 Resp: 231440

Ion Ratio Lower Upper

62 100

64 31.7 24.1 44.8



#6

Bromomethane

Concen: 4.664 ug/L

RT: 2.53 min Scan# 198

Delta R.T. 0.01 min

Lab File: VR025546.D

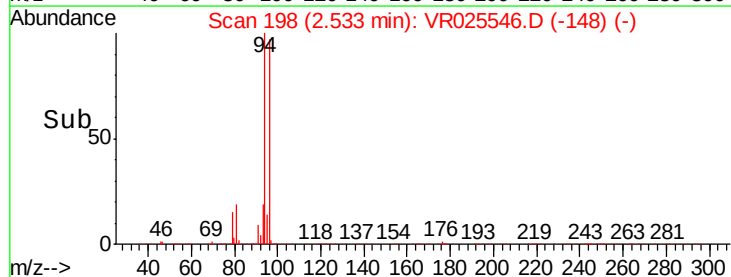
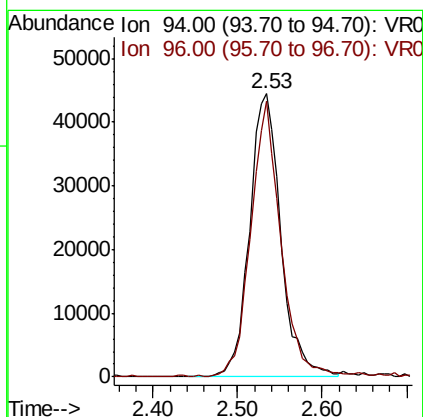
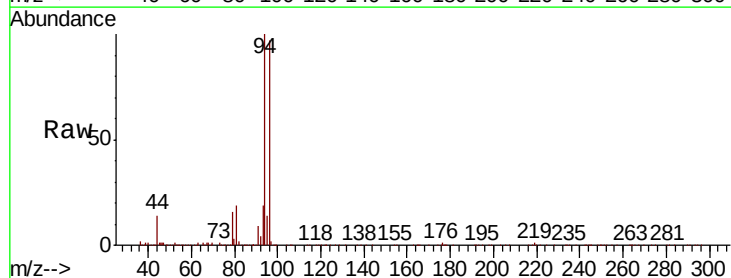
Acq: 30 Jul 2018 18:54

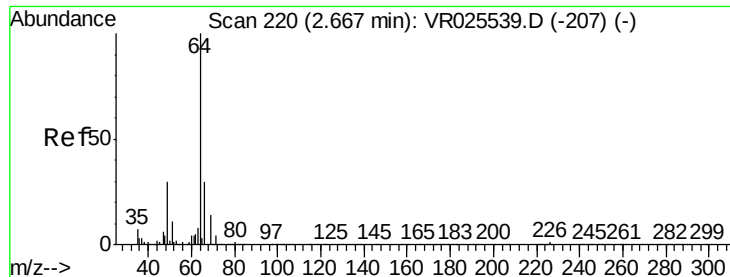
Tgt Ion: 94 Resp: 111823

Ion Ratio Lower Upper

94 100

96 97.4 72.0 133.6

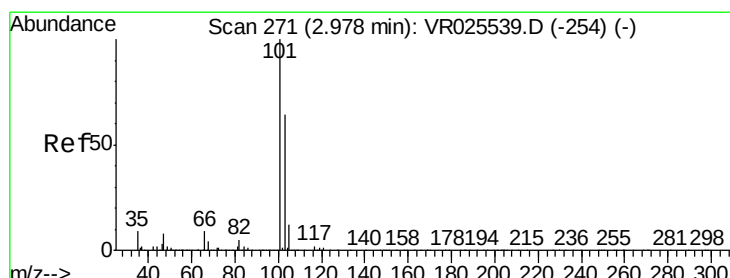
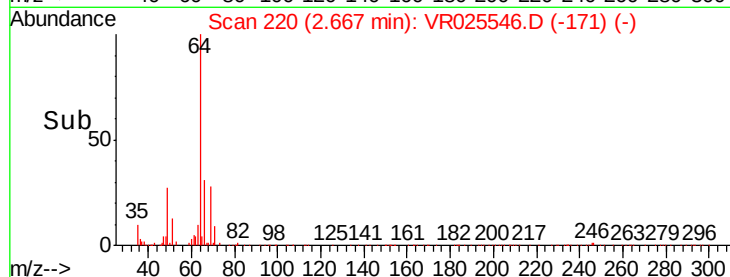
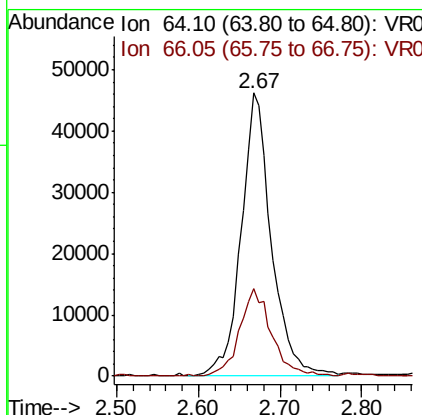
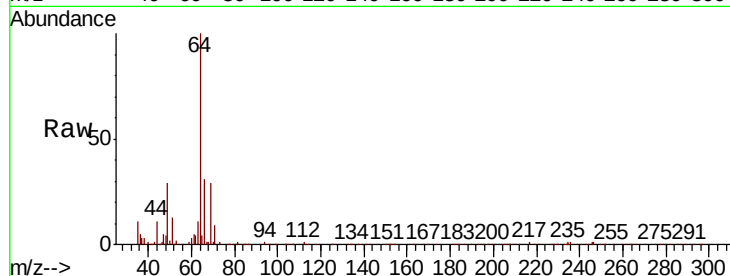




#8
Chloroethane
Concen: 4.832 ug/L
RT: 2.67 min Scan# 220
Delta R.T. 0.00 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

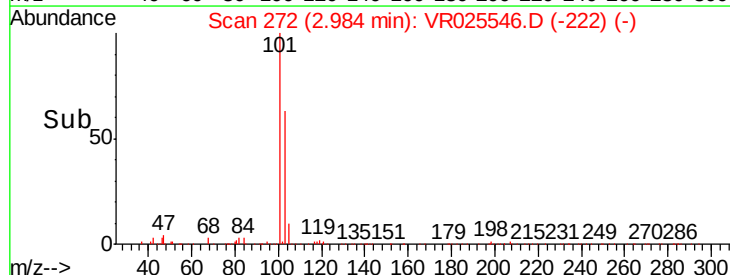
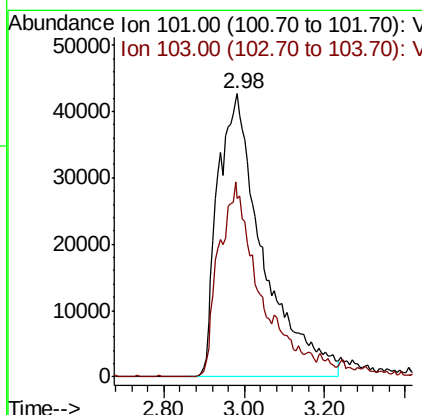
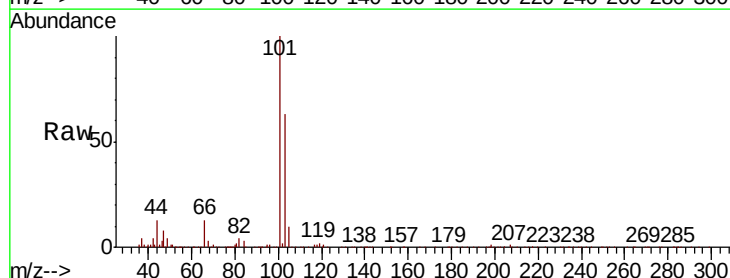
Instrument :
MSVOA_R
ClientSampleId :

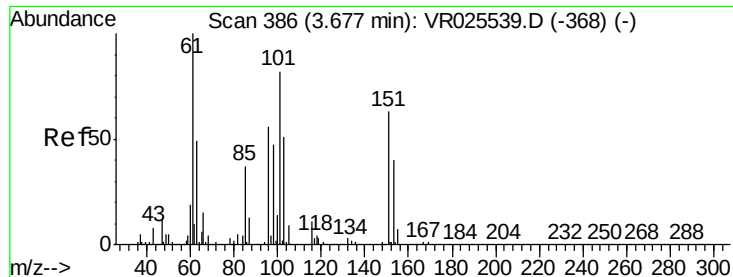
Tot Ion: 64 Resp: 116997
Ion Ratio Lower Upper
64 100
66 31.1 20.9 38.9



#9
Trichlorofluoromethane
Concen: 5.607 ug/L
RT: 2.98 min Scan# 272
Delta R.T. 0.01 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

Tgt Ion: 101 Resp: 333969
Ion Ratio Lower Upper
101 100
103 52.6 19.8 29.6#





#10

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

Concen: 5.583 ug/L

RT: 3.68 min Scan# 387

Delta R.T. 0.01 min

Lab File: VR025546.D

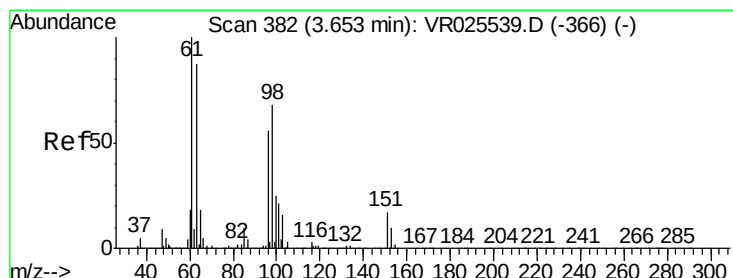
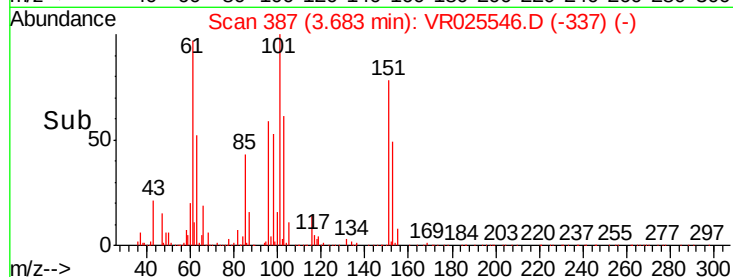
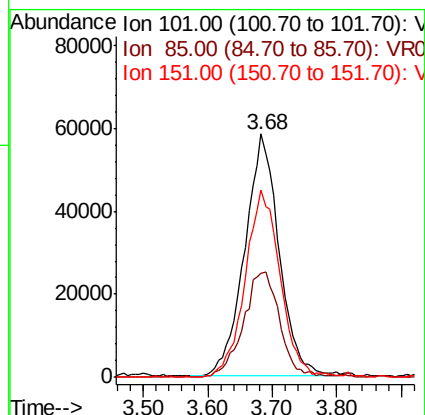
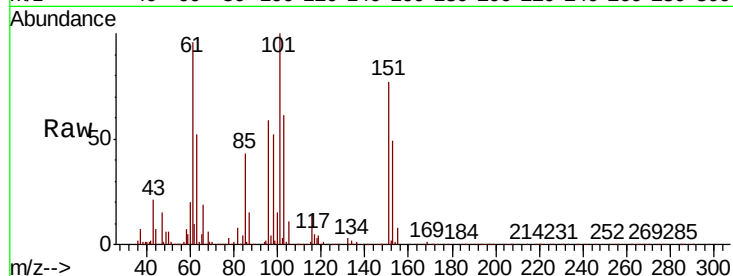
Acq: 30 Jul 2018 18:54

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:	101	Resp:	214836
Ion	Ratio	Lower	Upper
101	100		
85	45.8	37.4	56.0
151	78.8	61.9	92.9



#12

1,1-Dichloroethene

Concen: 5.265 ug/L

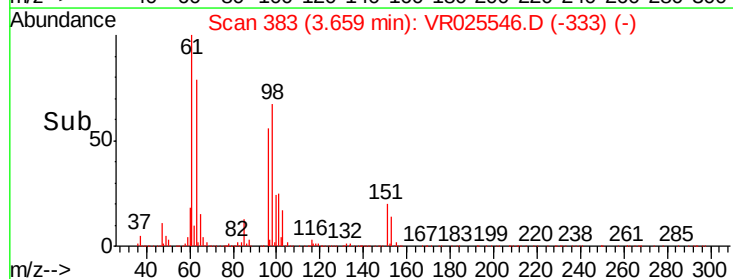
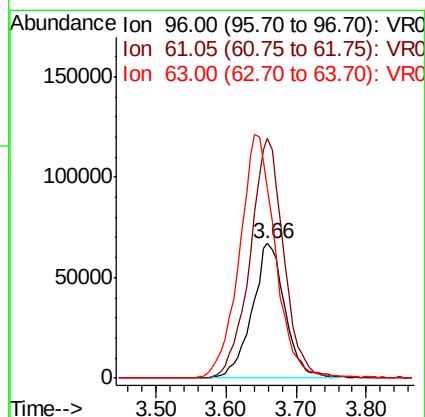
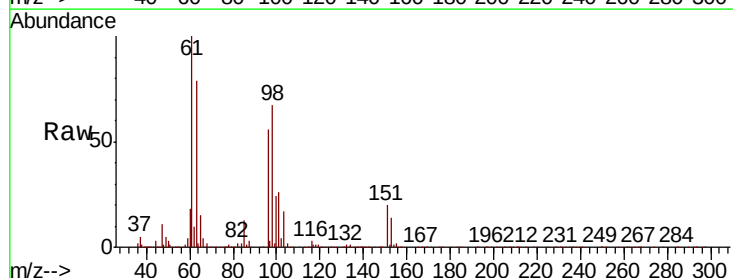
RT: 3.66 min Scan# 383

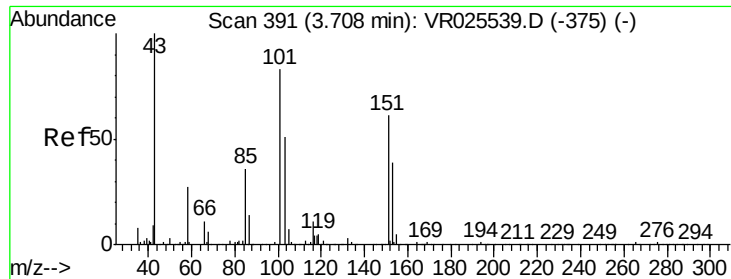
Delta R.T. 0.01 min

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Tgt Ion:	96	Resp:	216996
Ion	Ratio	Lower	Upper
96	100		
61	178.8	124.3	230.8
63	141.3	108.1	200.7

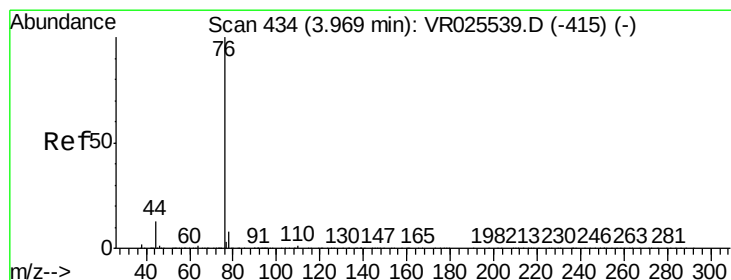
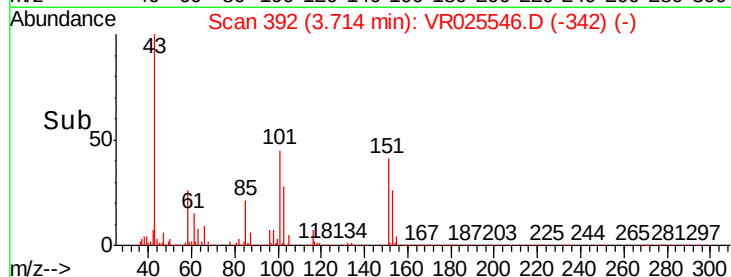
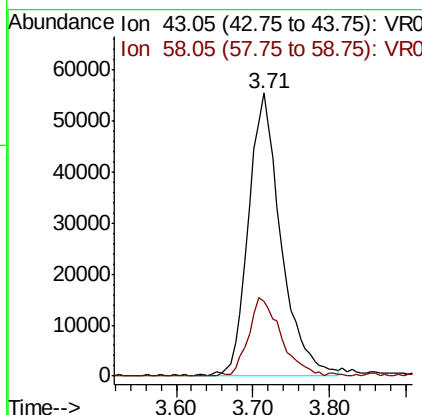
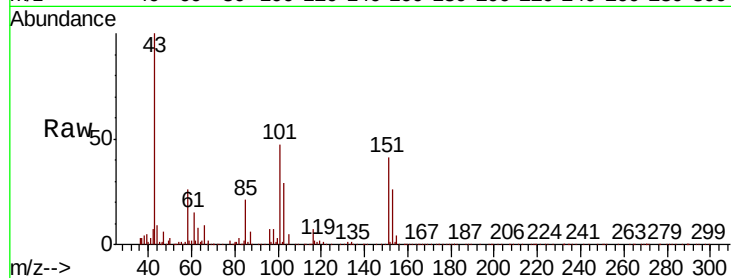




#13
Acetone
Concen: 66.303 ug/L
RT: 3.71 min Scan# 392
Delta R.T. 0.01 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

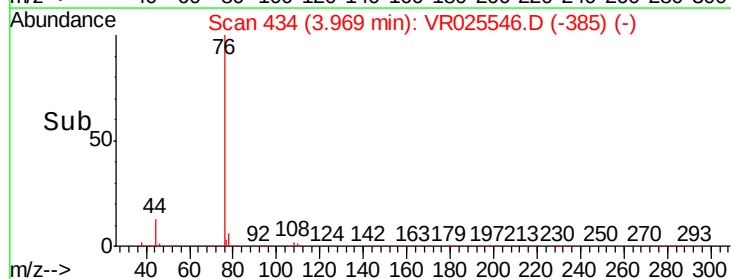
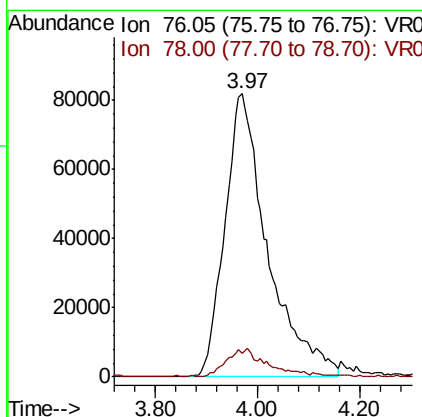
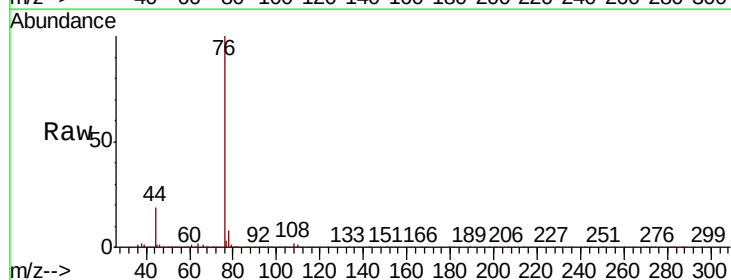
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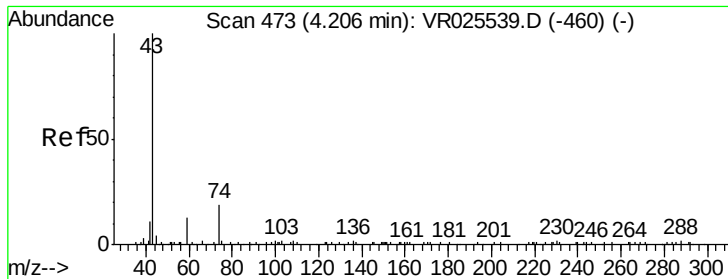
Tot Ion: 43 Resp: 164692
Ion Ratio Lower Upper
43 100
58 27.7 0.0 53.4



#14
Carbon disulfide
Concen: 4.994 ug/L
RT: 3.97 min Scan# 434
Delta R.T. 0.00 min
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Tgt Ion: 76 Resp: 476779
Ion Ratio Lower Upper
76 100
78 8.1 6.8 10.2

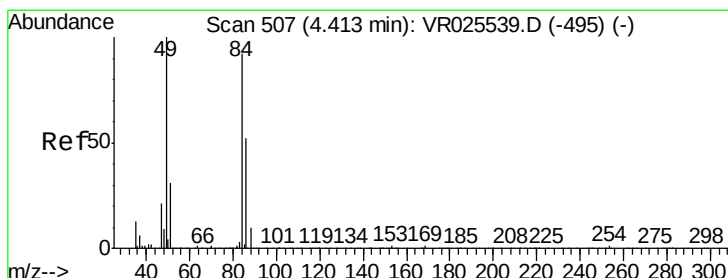
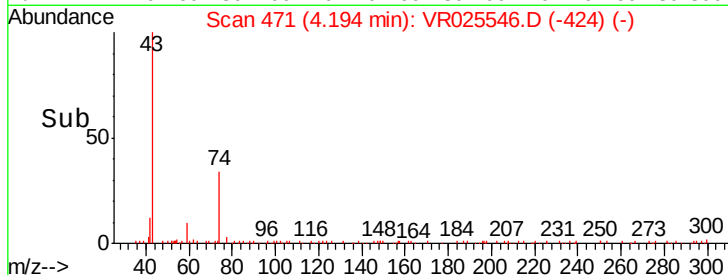
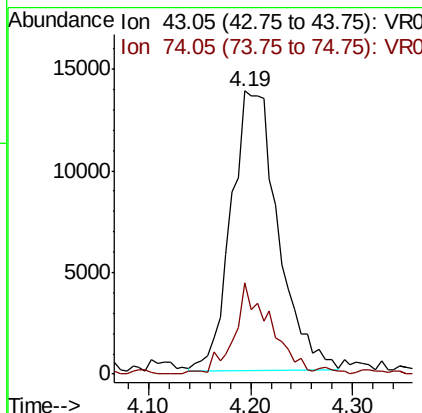
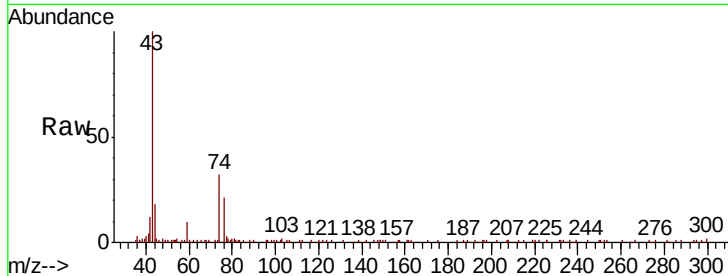




#15
Methyl Acetate
Concen: 5.609 ug/L
RT: 4.19 min Scan# 471
Delta R.T. -0.01 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

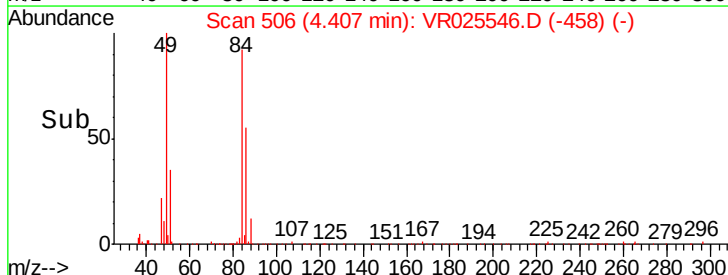
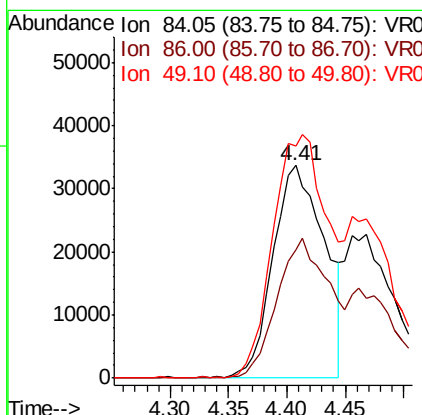
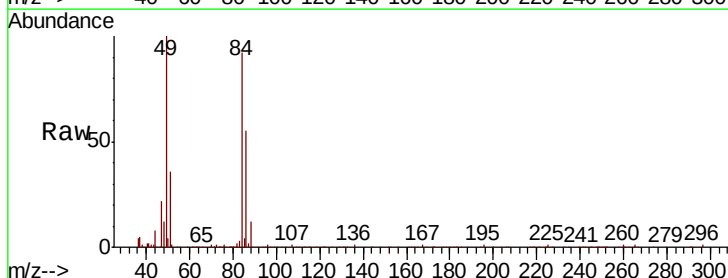
Instrument :
MSVOA_R
ClientSampleId :

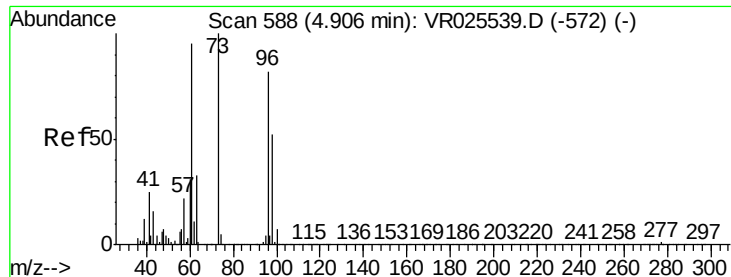
Tot Ion: 43 Resp: 43991
Ion Ratio Lower Upper
43 100
74 25.2 19.8 29.6



#16
Methylene chloride
Concen: 2.973 ug/L
RT: 4.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

Tgt Ion: 84 Resp: 103479
Ion Ratio Lower Upper
84 100
86 60.3 40.4 75.0
49 109.2 76.2 141.4

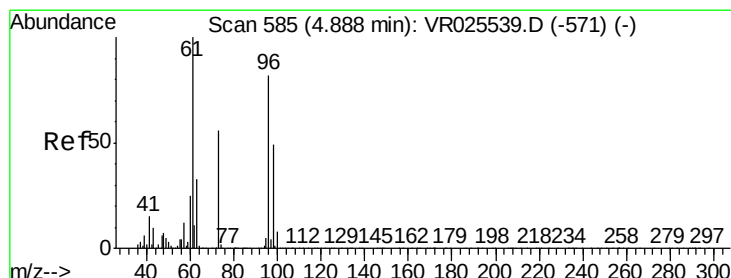
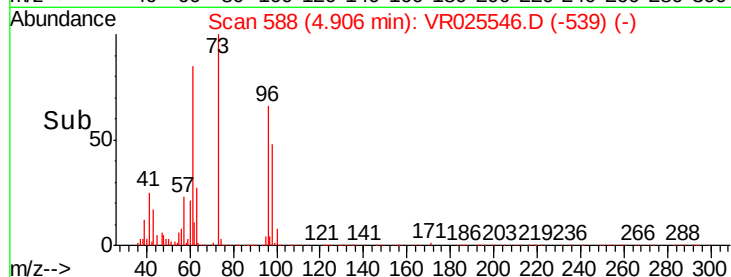
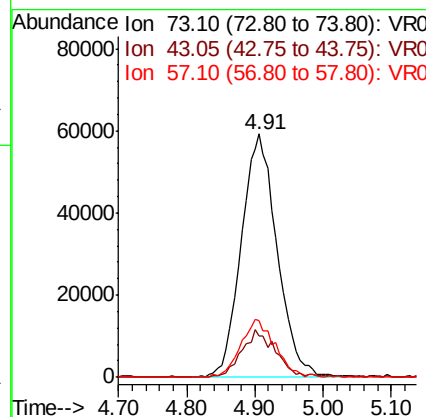
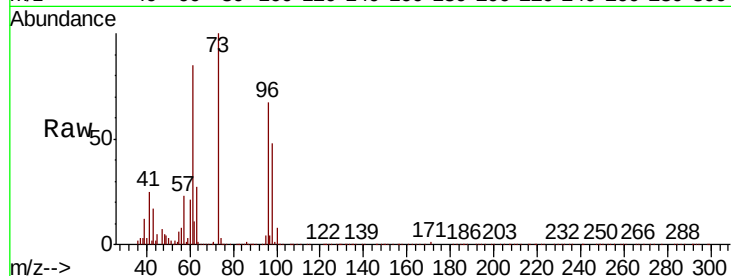




#17
Methyl tert-butyl Ether
Concen: 5.232 ug/L
RT: 4.91 min Scan# 588
Delta R.T. 0.00 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

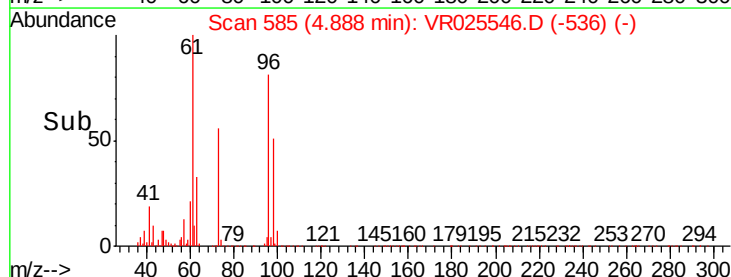
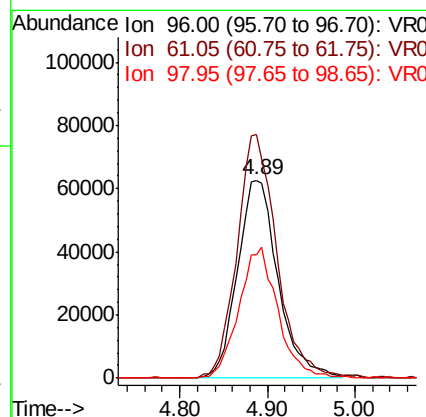
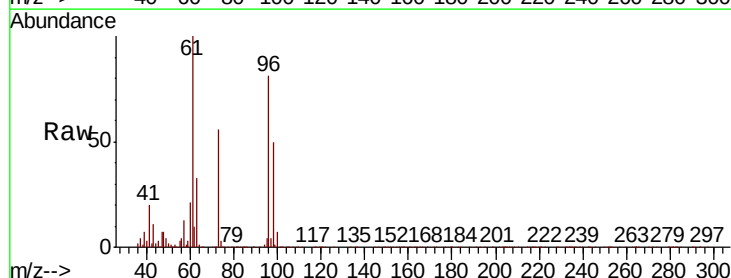
Instrument :
MSVOA_R
ClientSampleId :

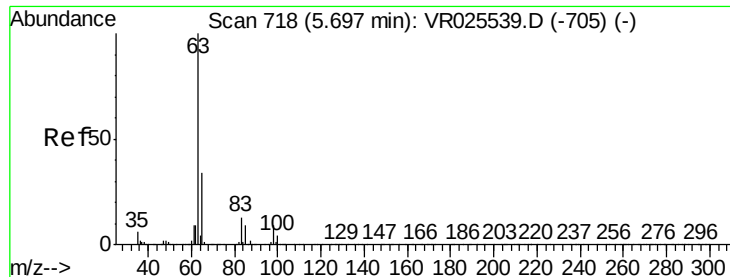
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.0	14.2	21.4
57	22.2	17.6	26.4



#18
trans-1,2-Dichloroethene
Concen: 5.098 ug/L
RT: 4.89 min Scan# 585
Delta R.T. 0.00 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.2	85.5	158.9
98	62.2	42.1	78.1





#19

1,1-Dichloroethane

Concen: 5.075 ug/L

RT: 5.70 min Scan# 718

Delta R.T. 0.00 min

Lab File: VR025546.D

Acq: 30 Jul 2018 18:54

Instrument :

MSVOA_R

ClientSampleId :

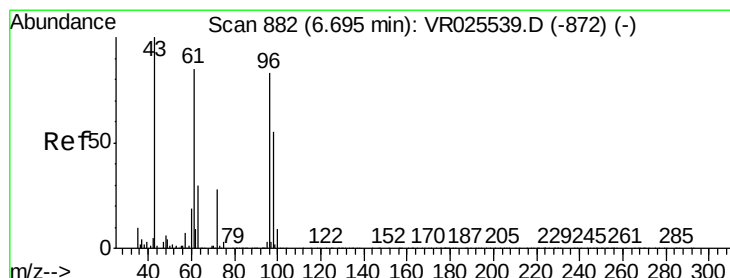
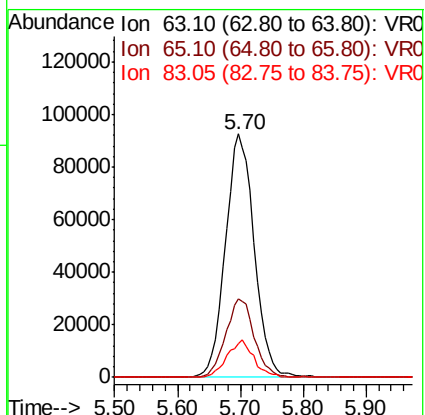
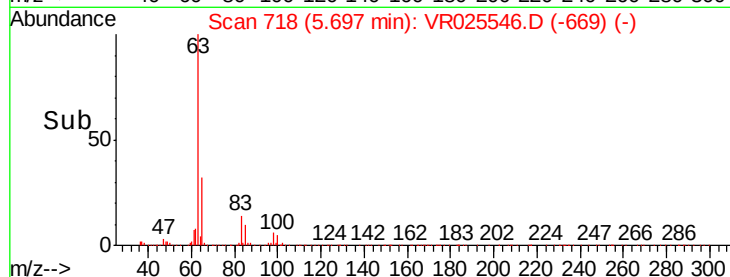
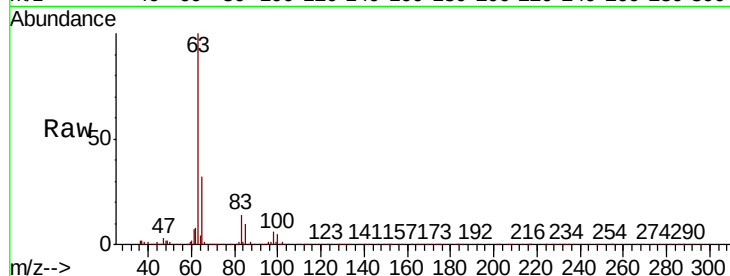
Tot Ion: 63 Resp: 293102

Ion Ratio Lower Upper

63 100

65 32.3 23.5 43.7

83 13.7 9.1 16.9



#21

2-Butanone

Concen: 61.743 ug/L

RT: 6.70 min Scan# 883

Delta R.T. 0.01 min

Lab File: VR025546.D

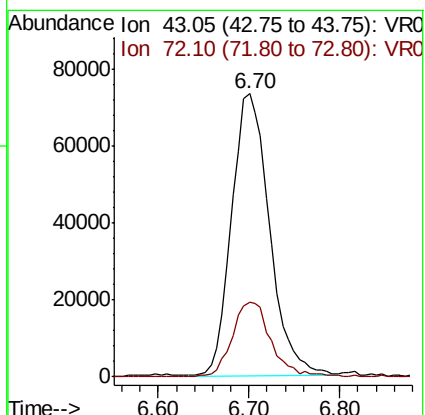
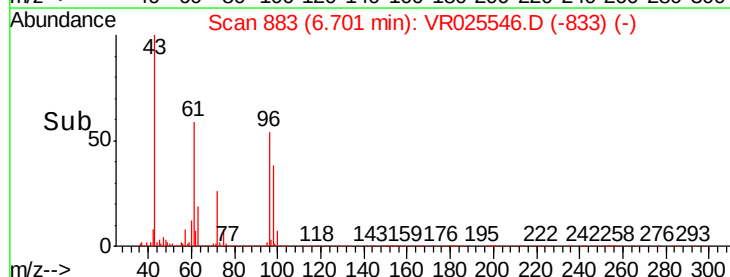
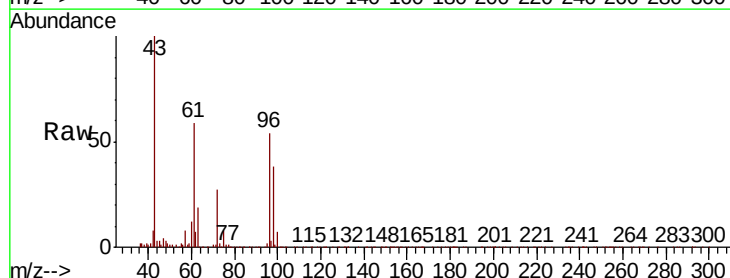
Acq: 30 Jul 2018 18:54

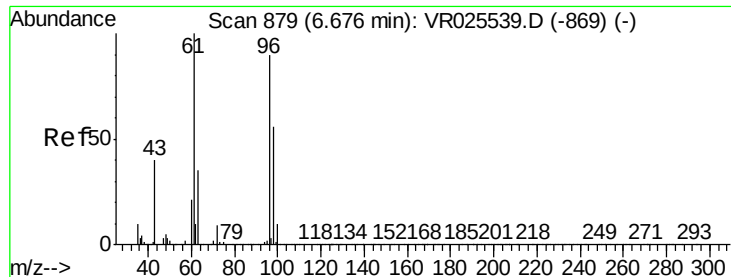
Tgt Ion: 43 Resp: 213072

Ion Ratio Lower Upper

43 100

72 27.2 13.2 39.6



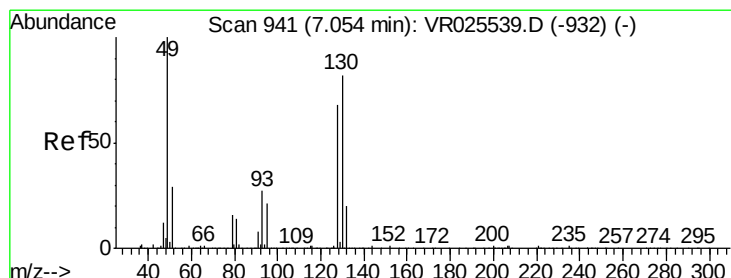
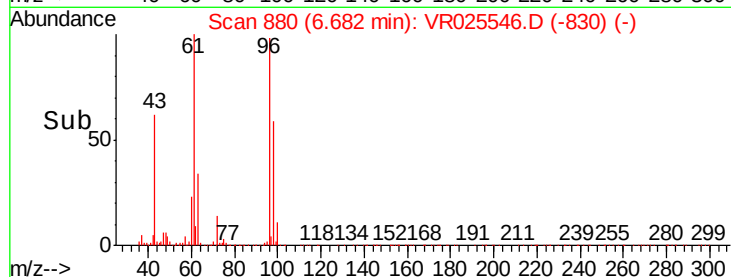
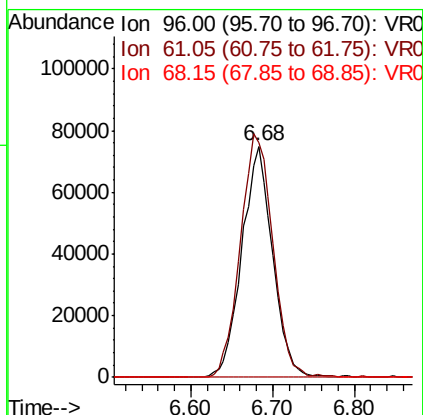
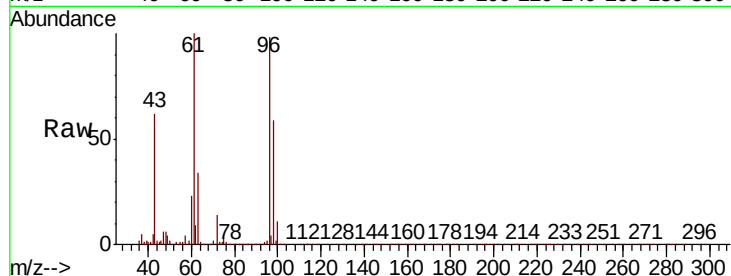


#22

cis-1,2-Dichloroethene
Concen: 5.431 ug/L
RT: 6.68 min Scan# 880
Delta R.T. 0.01 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

Instrument :
MSVOA_R
ClientSampled :

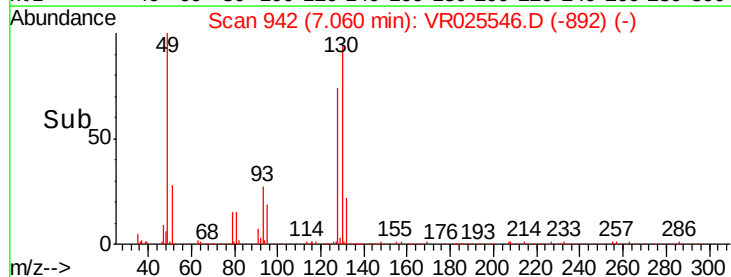
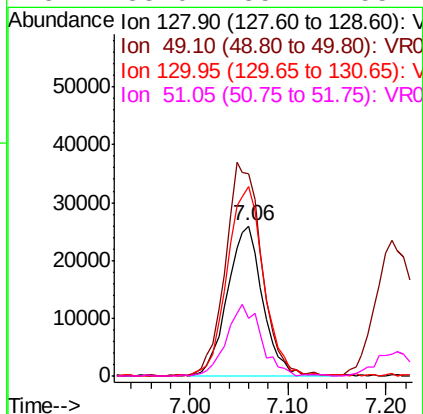
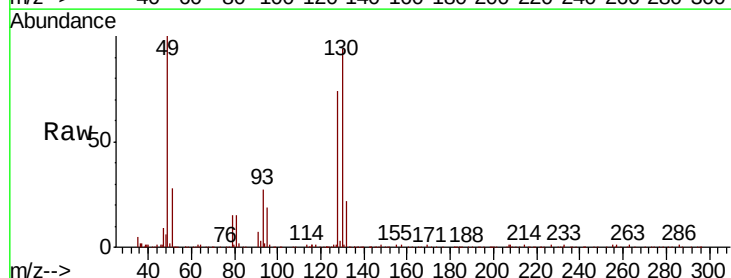
Tot Ion: 96 Resp: 195783
Ion Ratio Lower Upper
96 100
61 101.8 77.7 144.3
68 0.1 0.0 0.0#

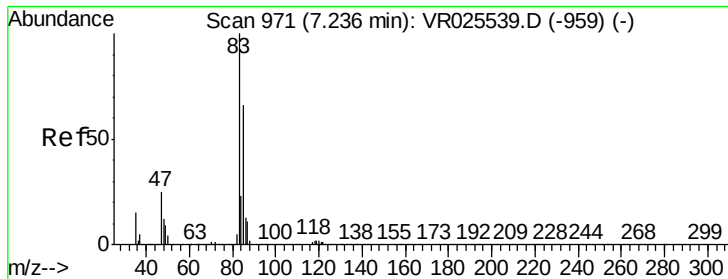


#23

Bromochloromethane
Concen: 5.352 ug/L
RT: 7.06 min Scan# 942
Delta R.T. 0.01 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

Tgt Ion: 128 Resp: 64010
Ion Ratio Lower Upper
128 100
49 134.6 103.3 191.9
130 126.0 84.9 157.7
51 38.0 35.4 53.2

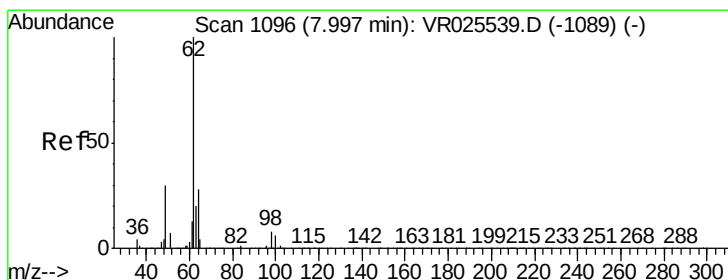
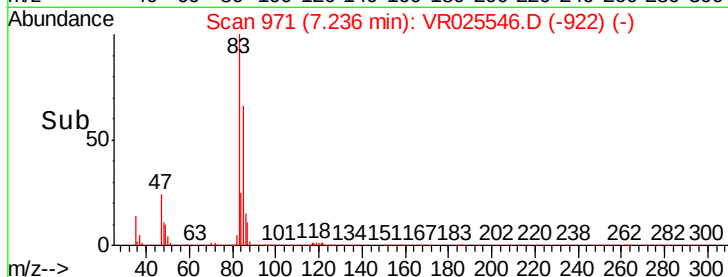
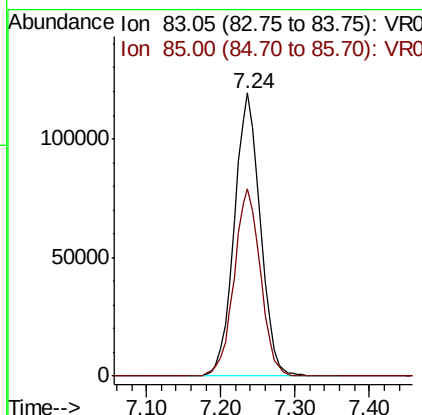
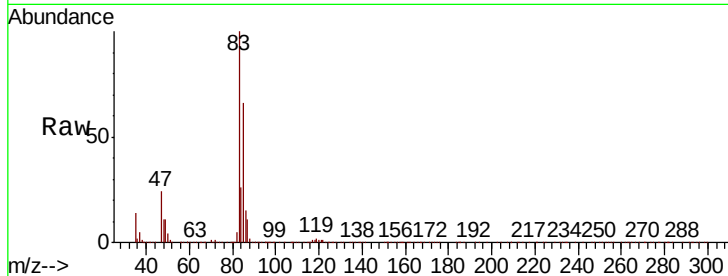




#25
Chloroform
Concen: 5.106 ug/L
RT: 7.24 min Scan# 971
Delta R.T. 0.00 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

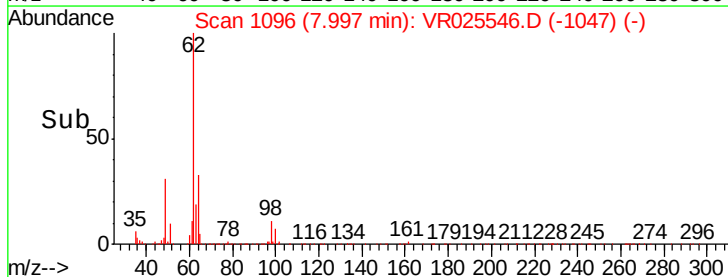
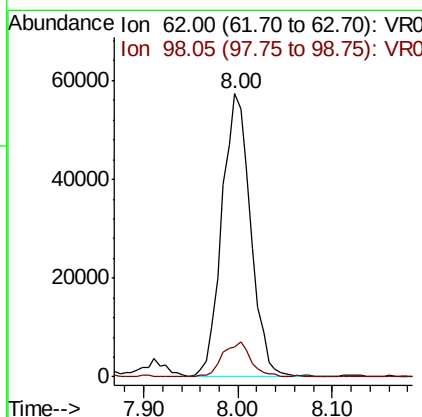
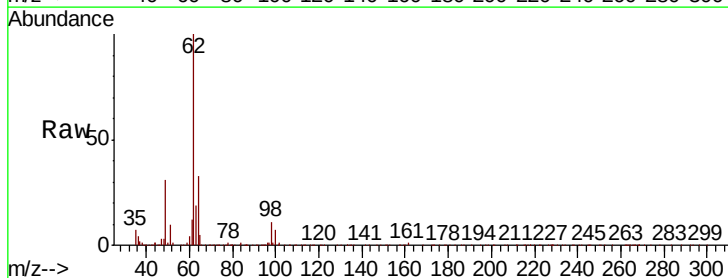
Instrument :
MSVOA_R
ClientSampleId :

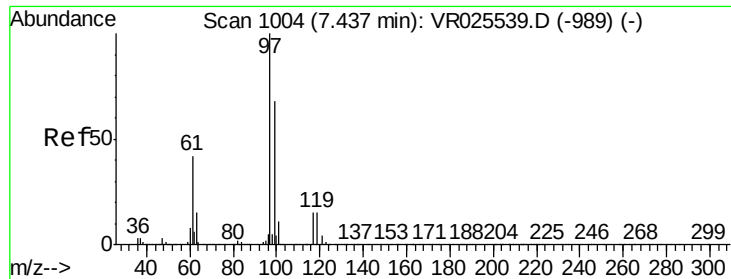
Tot Ion: 83 Resp: 291991
Ion Ratio Lower Upper
83 100
85 66.2 46.5 86.3



#27
1,2-Dichloroethane
Concen: 5.301 ug/L
RT: 8.00 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

Tgt Ion: 62 Resp: 120783
Ion Ratio Lower Upper
62 100
98 10.7 6.6 9.8#

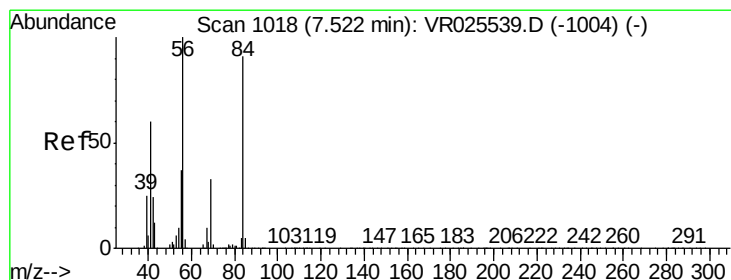
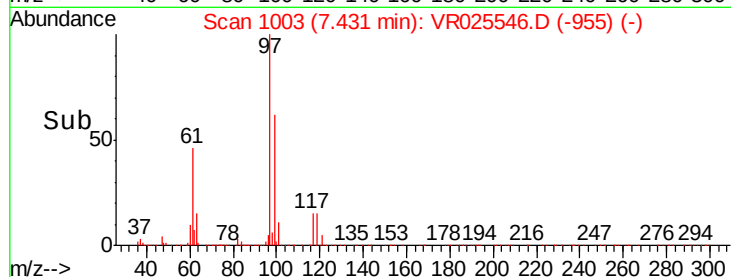
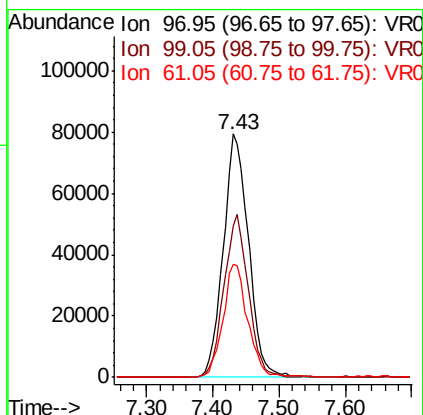
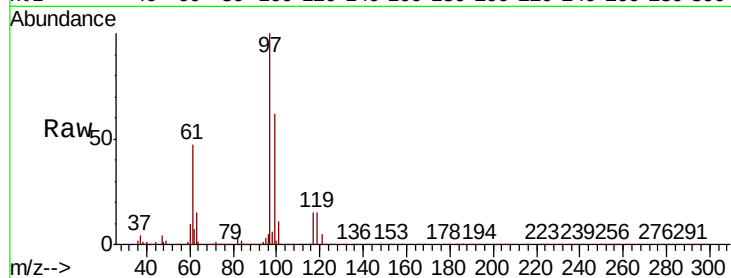




#29
 1,1,1-Trichloroethane
 Concen: 4.597 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

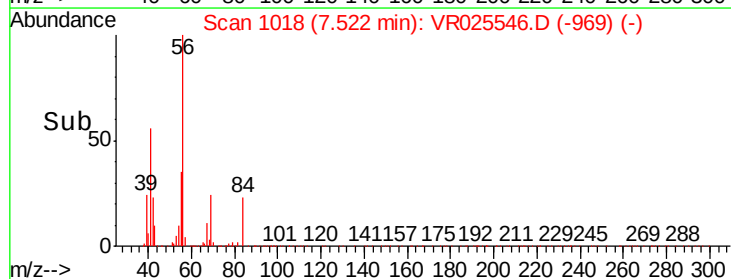
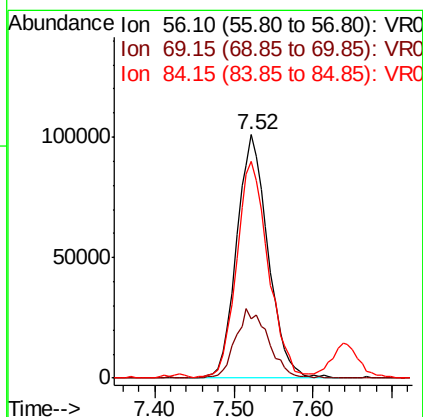
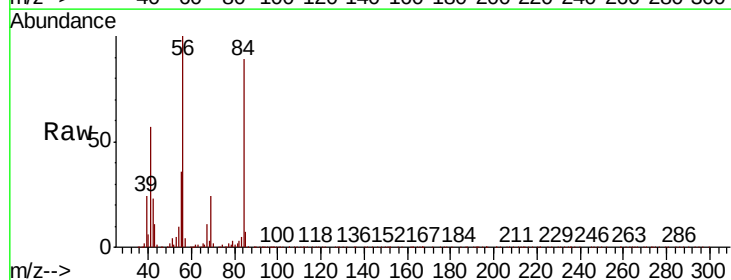
Instrument :
 MSVOA_R
 ClientSampled :

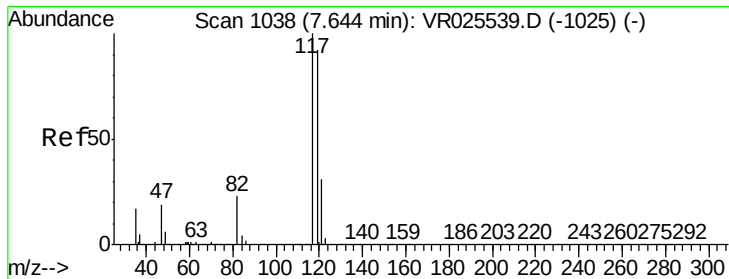
Tot Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.1	78.1
61	45.4	35.3	52.9



#30
 Cyclohexane
 Concen: 5.333 ug/L
 RT: 7.52 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.6	36.8
84	89.9	71.3	106.9





#31

Carbon tetrachloride

Concen: 4.714 ug/L

RT: 7.64 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR025546.D

Acq: 30 Jul 2018 18:54

Instrument :

MSVOA_R

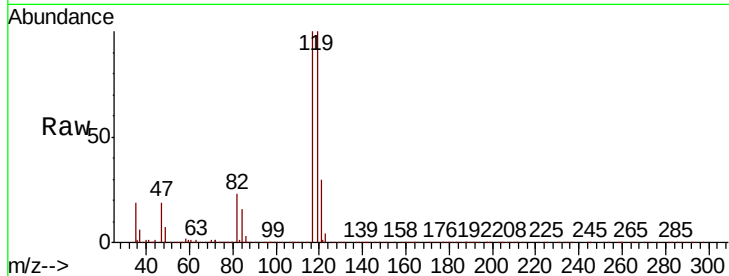
ClientSampled :

Tot Ion:117 Resp: 220926

Ion Ratio Lower Upper

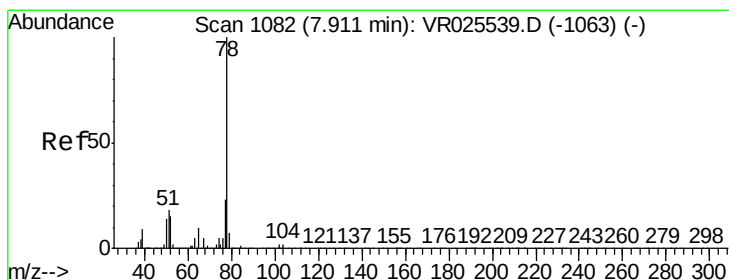
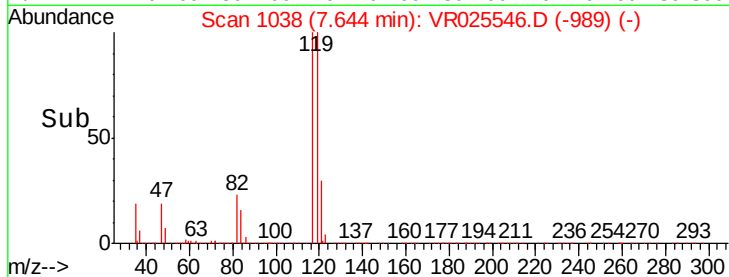
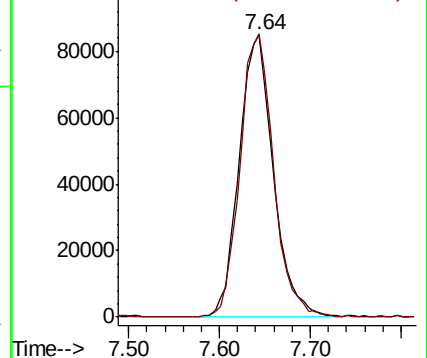
117 100

119 98.8 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: 4.959 ug/L

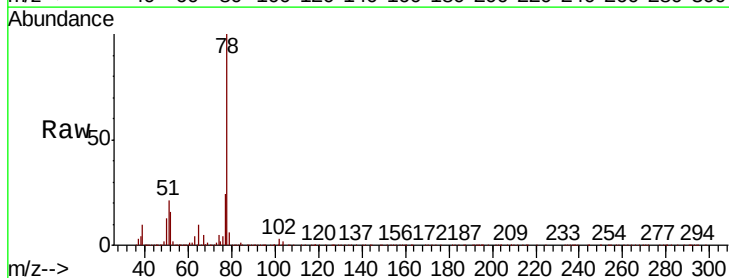
RT: 7.91 min Scan# 1082

Delta R.T. 0.00 min

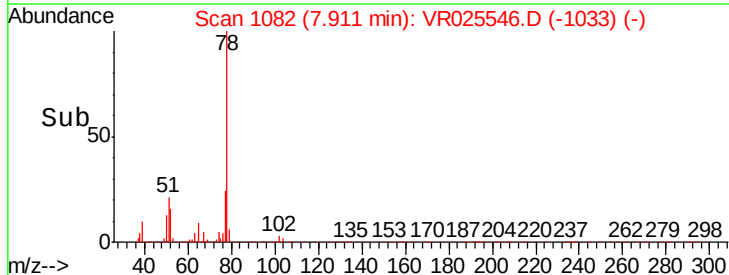
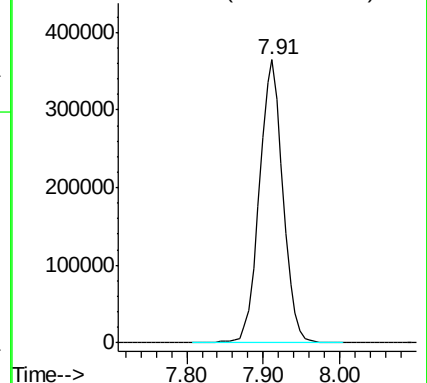
Lab File: VR025546.D

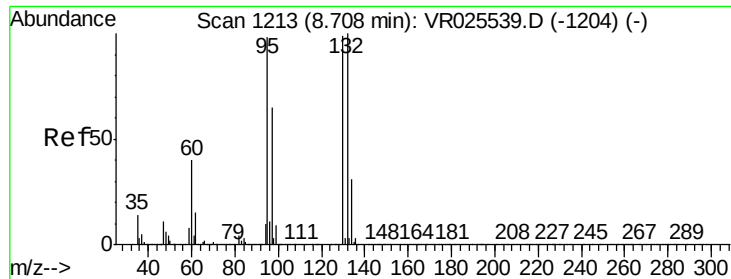
Acq: 30 Jul 2018 18:54

Tgt Ion: 78 Resp: 785484



Abundance Ion 78.10 (77.80 to 78.80): VR0

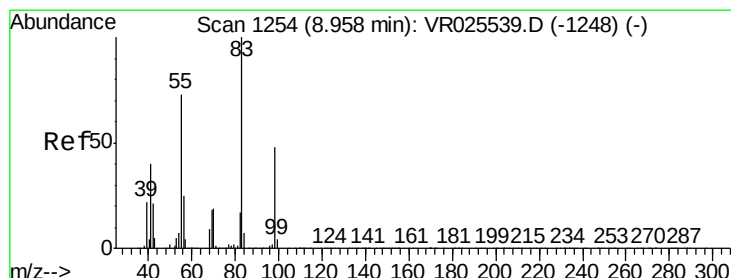
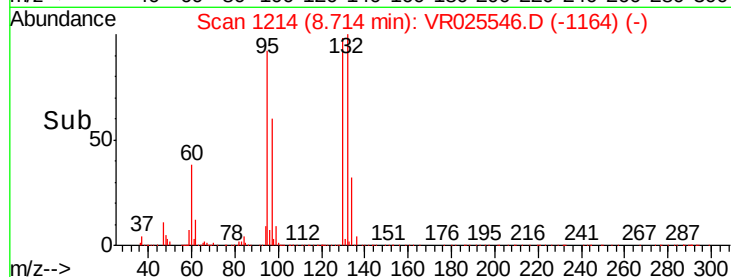
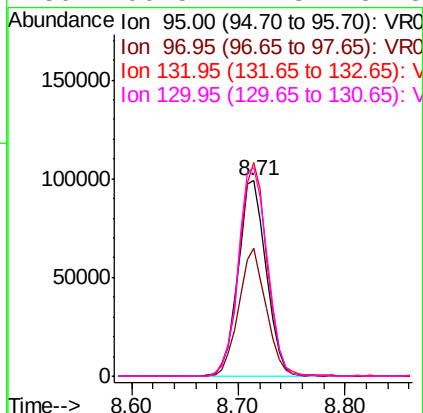
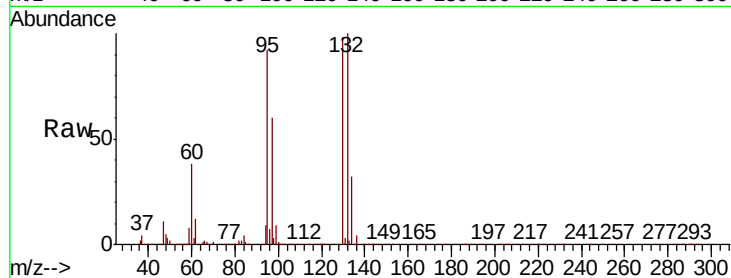




#34
 Trichloroethene
 Concen: 4.665 ug/L
 RT: 8.71 min Scan# 1214
 Delta R.T. 0.01 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

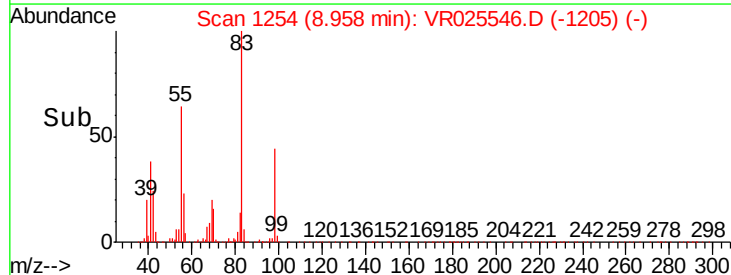
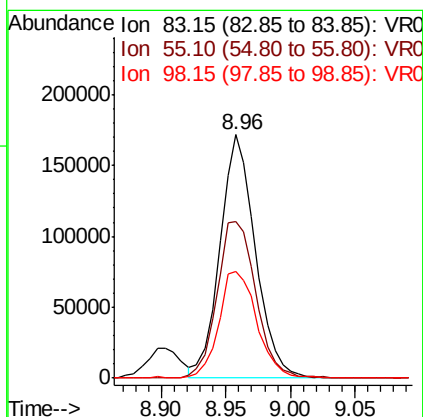
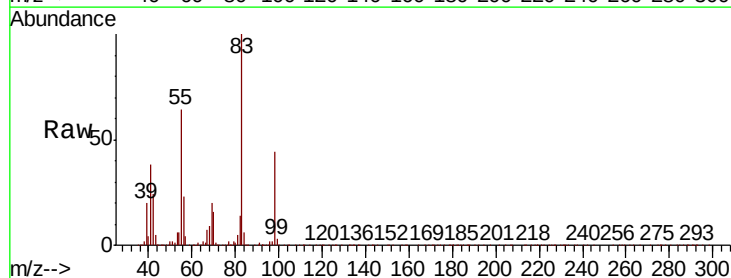
Instrument :
 MSVOA_R
 ClientSampleId :

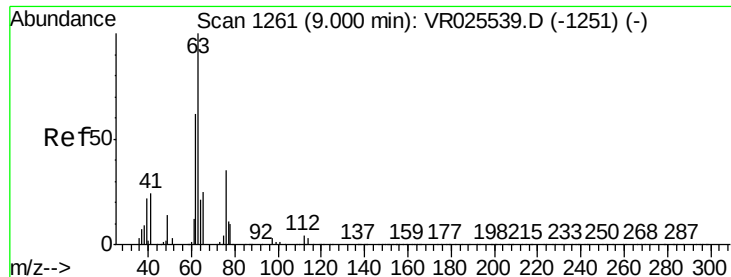
Tot Ion:	95	Resp:	183775
Ion	Ratio	Lower	Upper
95	100		
97	65.3	46.7	86.7
132	109.1	71.7	133.1
130	106.5	71.3	132.3



#35
 Methylcyclohexane
 Concen: 5.530 ug/L
 RT: 8.96 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

Tgt Ion:	83	Resp:	327568
Ion	Ratio	Lower	Upper
83	100		
55	71.1	58.3	87.5
98	47.4	37.8	56.6

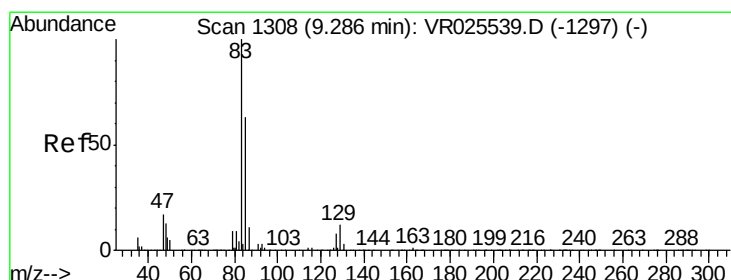
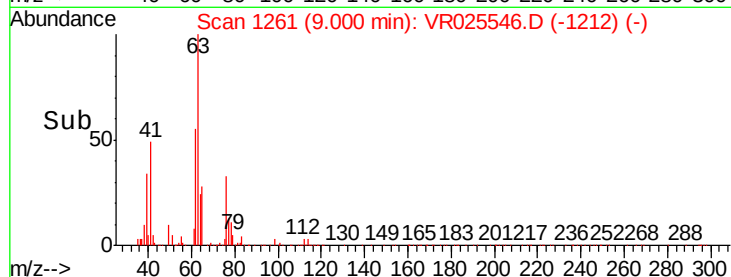
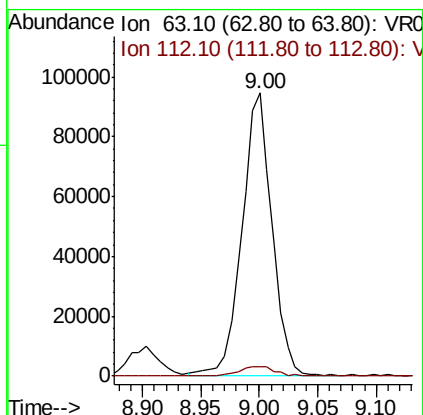
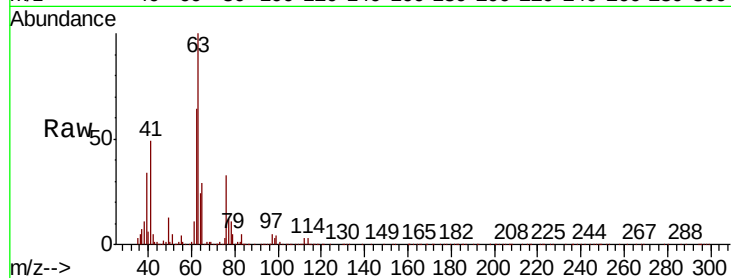




#37
 1,2-Dichloropropane
 Concen: 5.070 ug/L
 RT: 9.00 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

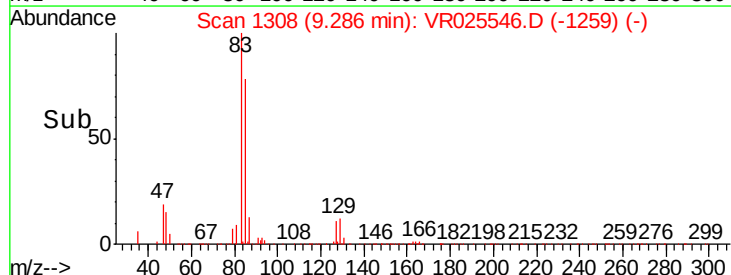
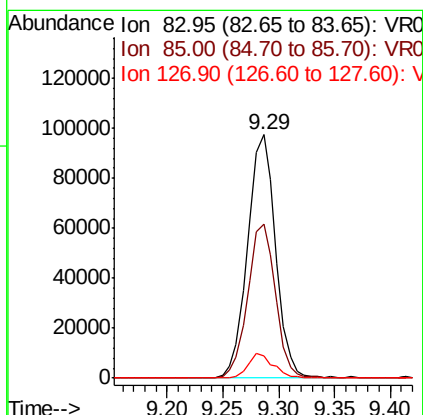
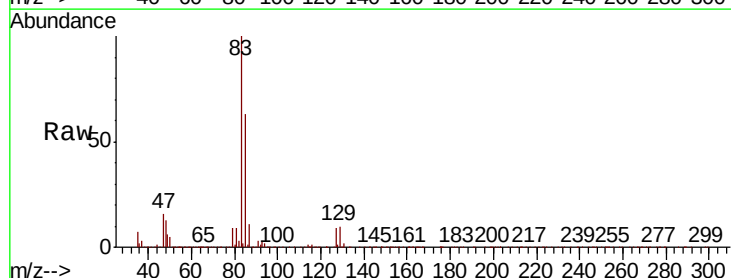
Instrument :
 MSVOA_R
 ClientSampled :

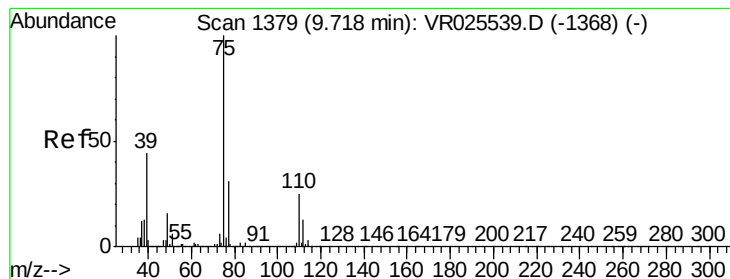
Tot Ion: 63 Resp: 169054
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.3 4.9



#38
 Bromodichloromethane
 Concen: 5.012 ug/L
 RT: 9.29 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

Tgt Ion: 83 Resp: 170708
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.0 81.6
 127 8.9 6.7 10.1



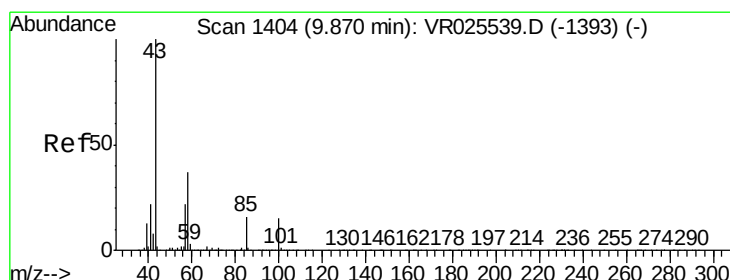
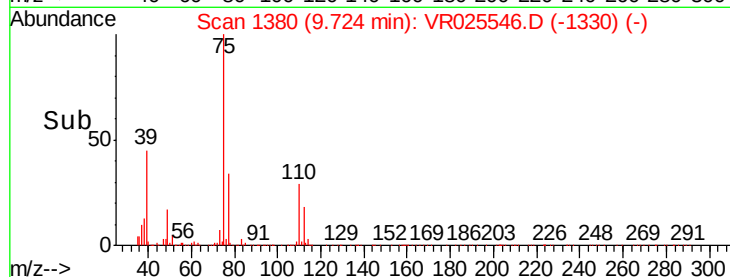
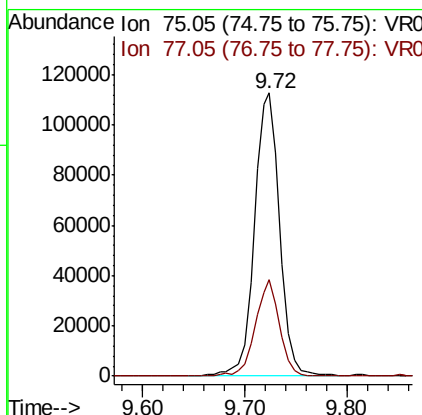
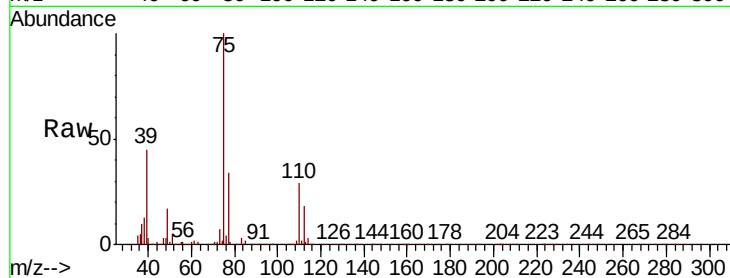


#39

cis-1,3-Dichloropropene
 Concen: 5.258 ug/L
 RT: 9.72 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

Instrument :
 MSVOA_R
 ClientSampleId :

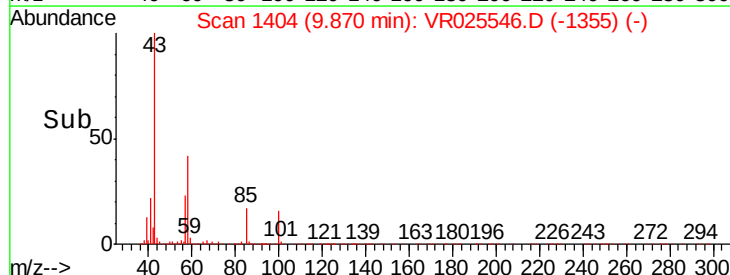
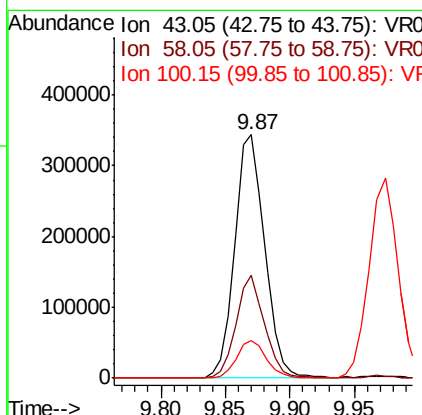
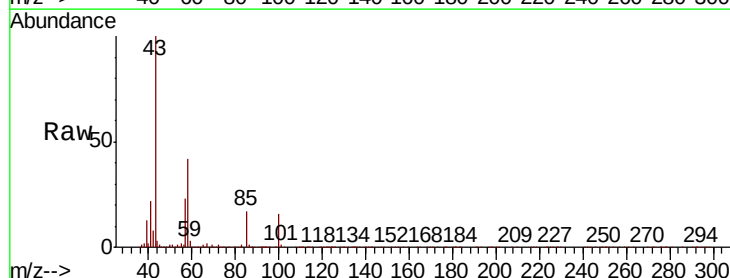
Tot Ion: 75 Resp: 193561
 Ion Ratio Lower Upper
 75 100
 77 34.0 21.6 40.0

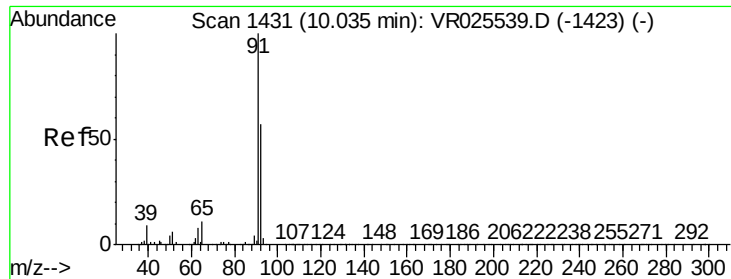


#40

4-Methyl-2-pentanone
 Concen: 59.270 ug/L
 RT: 9.87 min Scan# 1404
 Delta R.T. 0.00 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

Tgt Ion: 43 Resp: 556877
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.0 46.6
 100 15.4 11.9 17.9





#42

Toluene

Concen: 5.128 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025546.D

Acq: 30 Jul 2018 18:54

Instrument :

MSVOA_R

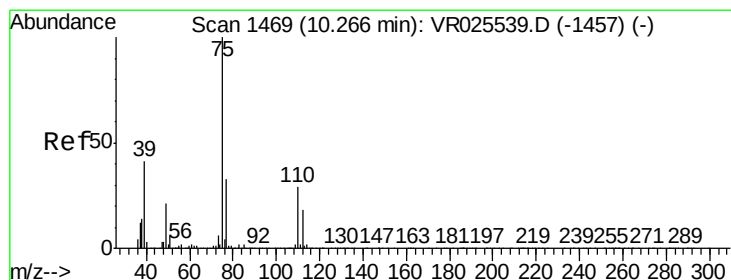
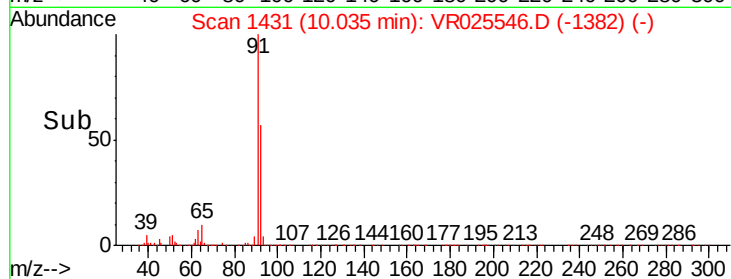
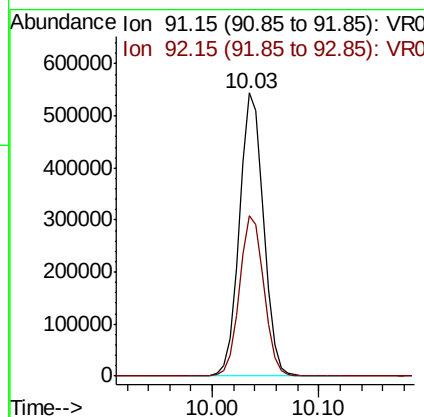
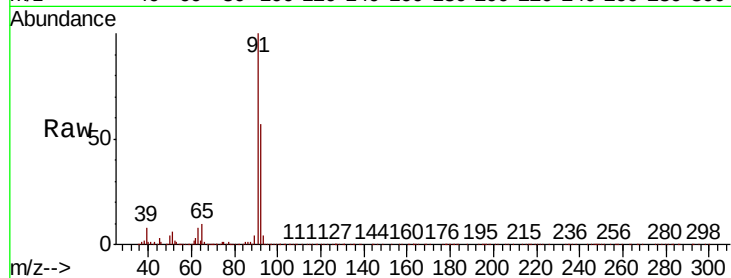
ClientSampleId :

Tot Ion: 91 Resp: 864965

Ion Ratio Lower Upper

91 100

92 56.9 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.260 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025546.D

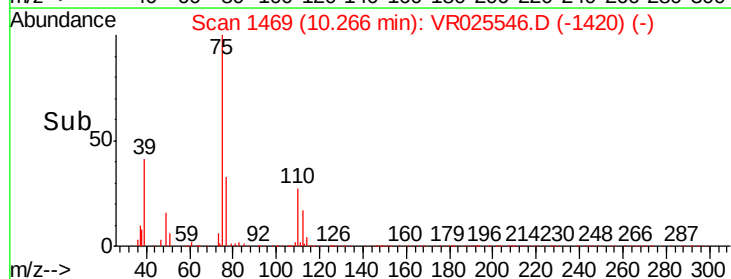
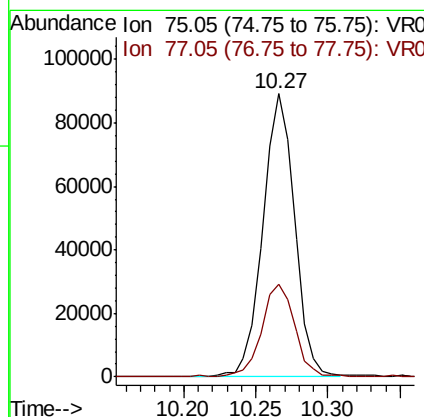
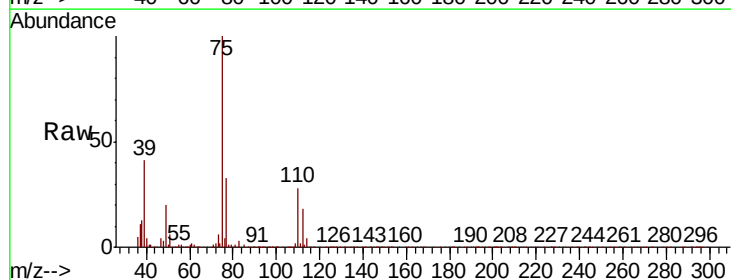
Acq: 30 Jul 2018 18:54

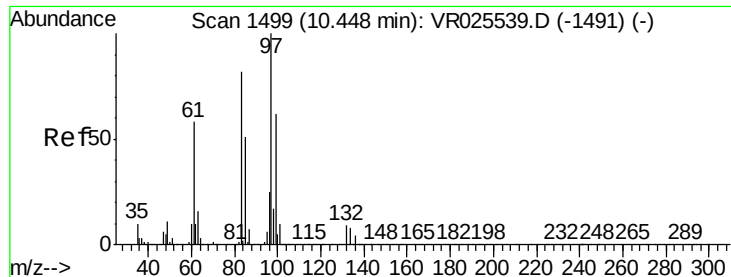
Tgt Ion: 75 Resp: 135182

Ion Ratio Lower Upper

75 100

77 32.8 22.8 42.4

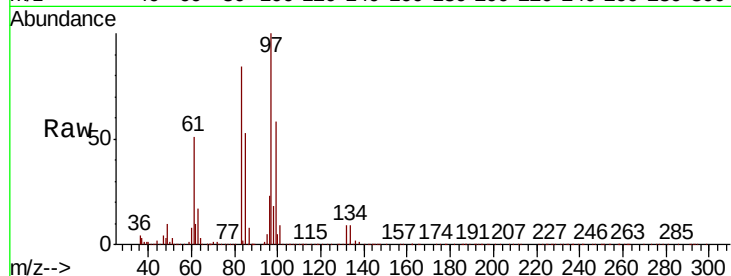




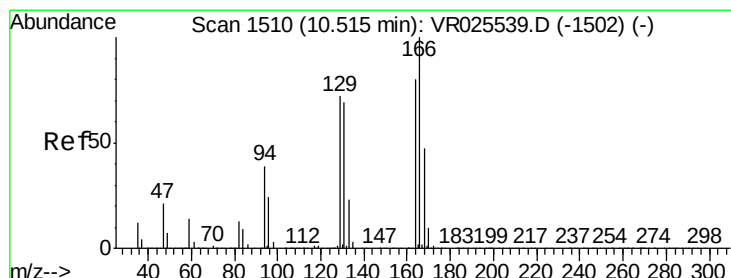
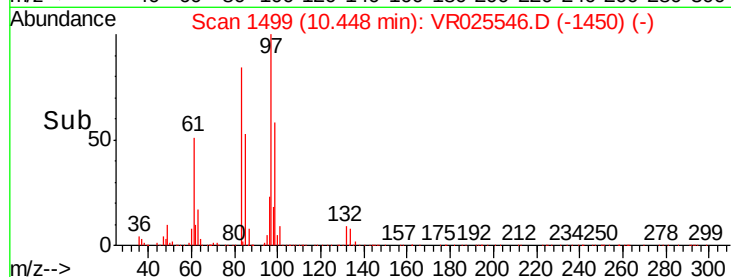
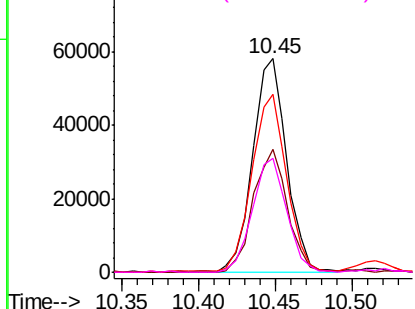
#45
1,1,2-Trichloroethane
Concen: 5.412 ug/L
RT: 10.45 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

Instrument :
MSVOA_R
ClientSampled :

Tot Ion:	97	Resp:	89875
Ion	Ratio	Lower	Upper
97	100		
99	57.8	43.4	80.6
83	83.5	57.3	106.5
85	53.2	35.8	66.4

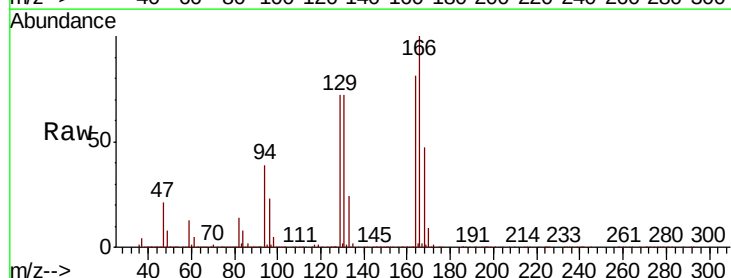


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 82.95 (82.65 to 83.65): VR0
Ion 85.00 (84.70 to 85.70): VR0

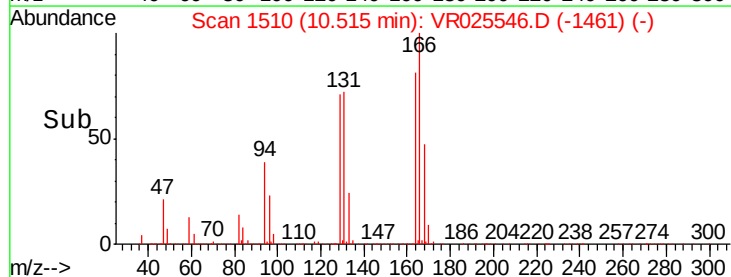
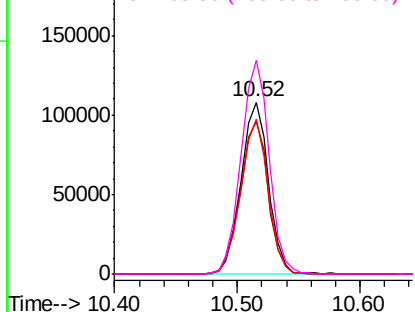


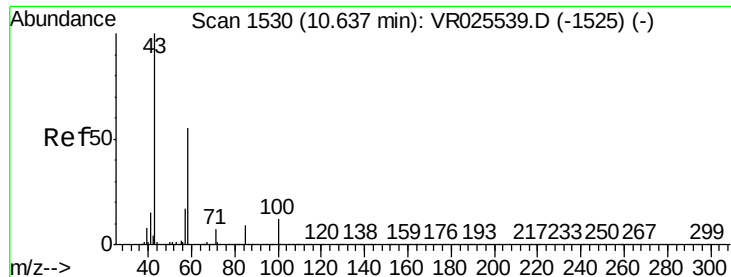
#47
Tetrachloroethene
Concen: 4.981 ug/L
RT: 10.52 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

Tgt Ion:	164	Resp:	167886
Ion	Ratio	Lower	Upper
164	100		
129	88.9	63.0	117.0
131	89.8	60.6	112.6
166	124.1	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

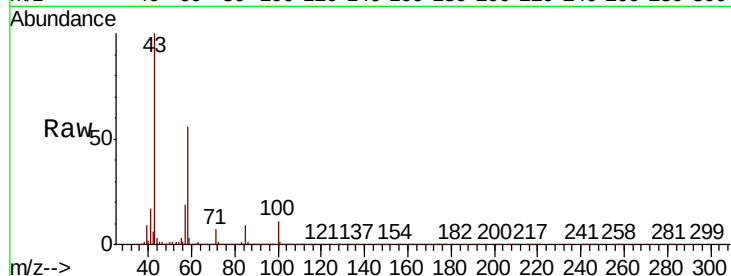




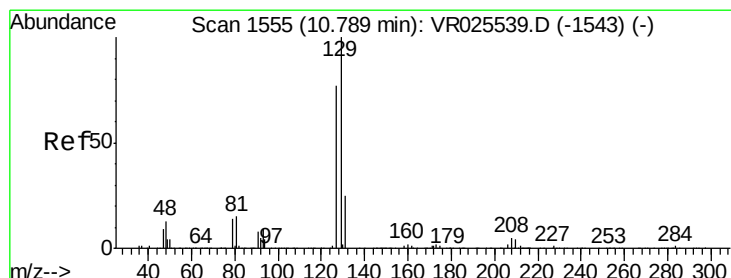
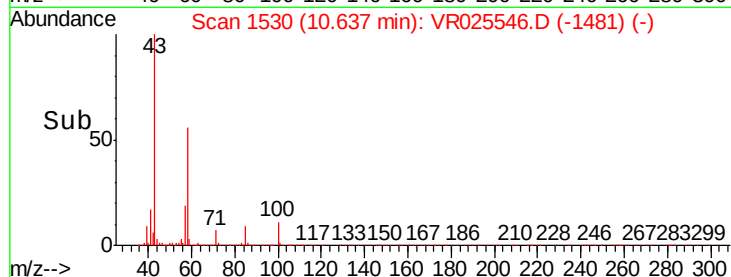
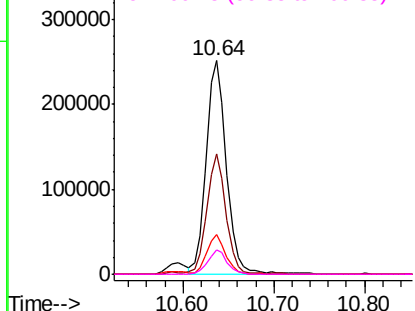
#48
2-Hexanone
Concen: 62.084 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:	43	Resp:	393377
Ion	Ratio	Lower	Upper
43	100		
58	53.3	45.0	67.6
57	17.5	15.8	23.6
100	10.7	9.3	13.9

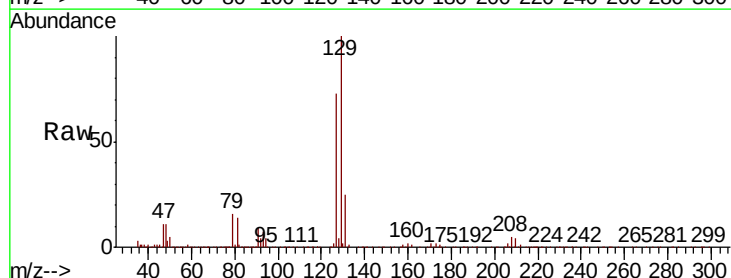


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

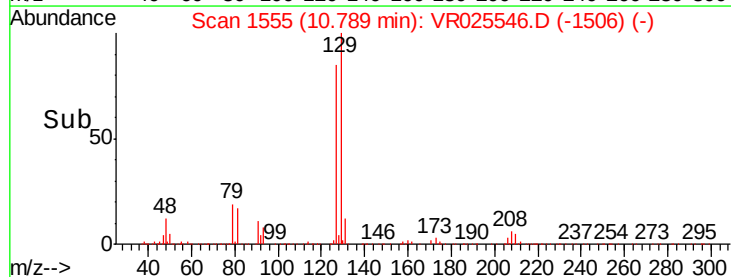
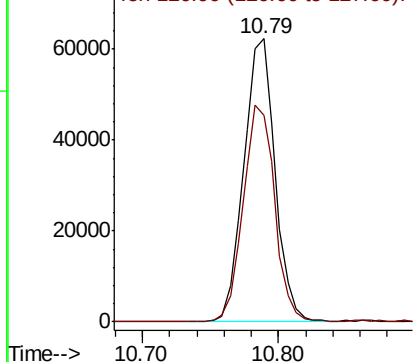


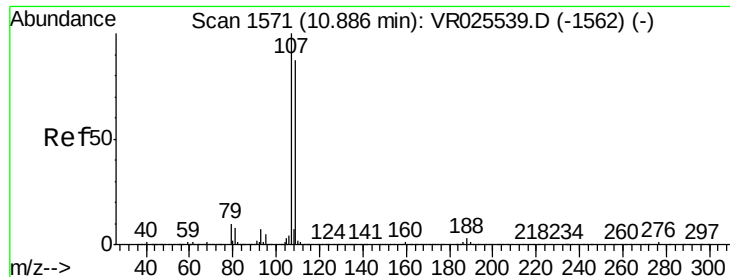
#49
Dibromochloromethane
Concen: 5.128 ug/L
RT: 10.79 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

Tgt Ion:	129	Resp:	100448
Ion	Ratio	Lower	Upper
129	100		
127	73.2	54.3	100.9



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

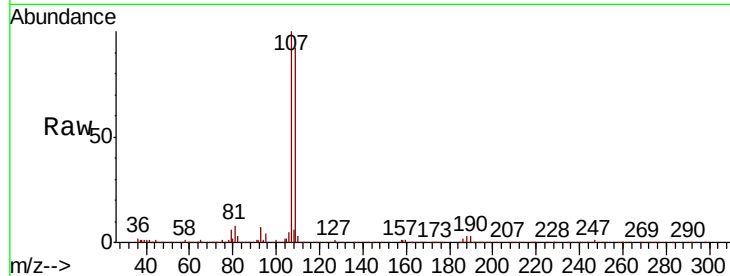




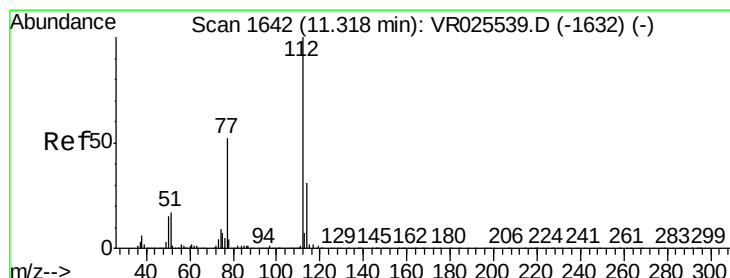
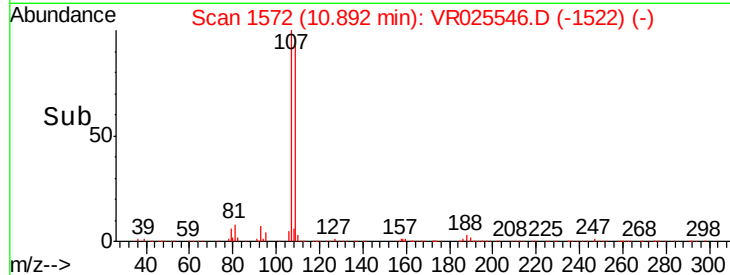
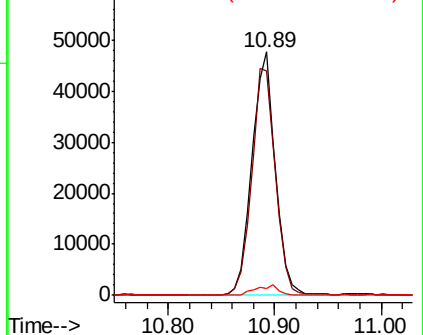
#50
1,2-Dibromoethane
Concen: 5.308 ug/L
RT: 10.89 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:107 Resp: 73535
Ion Ratio Lower Upper
107 100
109 92.3 60.6 112.6
188 2.9 2.4 3.6

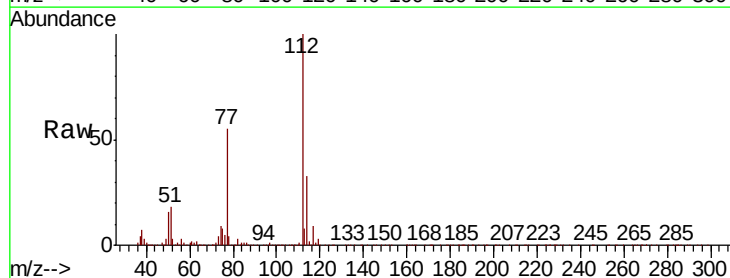


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

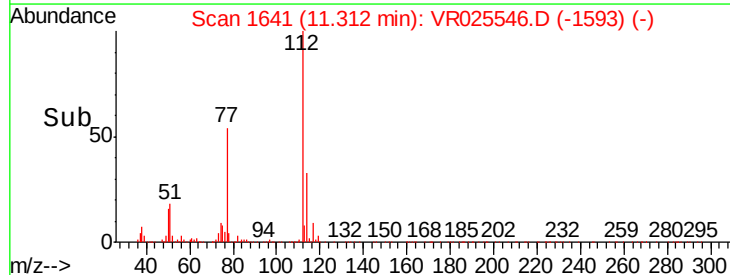
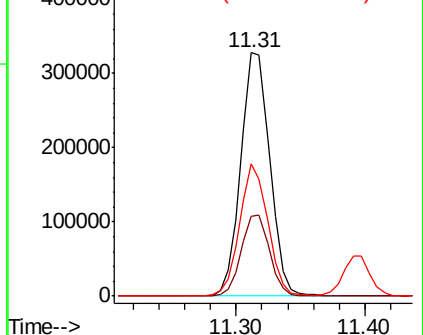


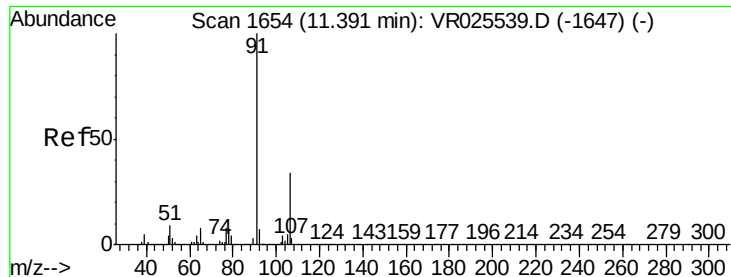
#51
Chlorobenzene
Concen: 5.004 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.01 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

Tgt Ion:112 Resp: 510411
Ion Ratio Lower Upper
112 100
114 32.5 21.8 40.4
77 54.5 41.8 62.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VR0





#52

Ethylbenzene

Concen: 5.114 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025546.D

Acq: 30 Jul 2018 18:54

Instrument :

MSVOA_R

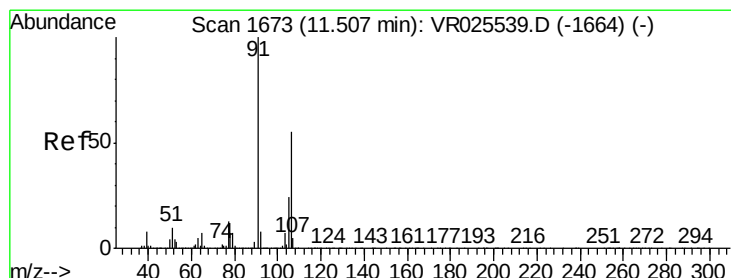
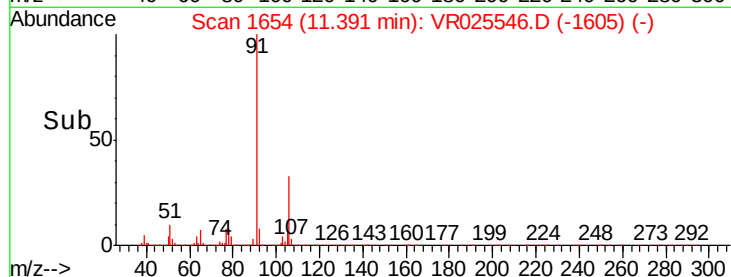
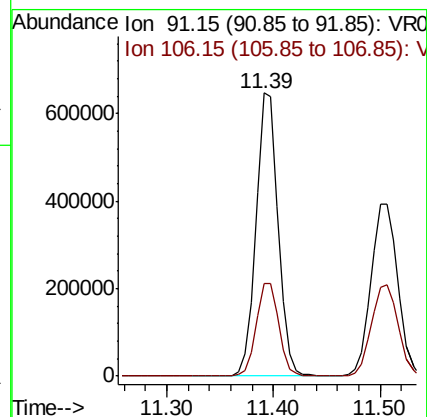
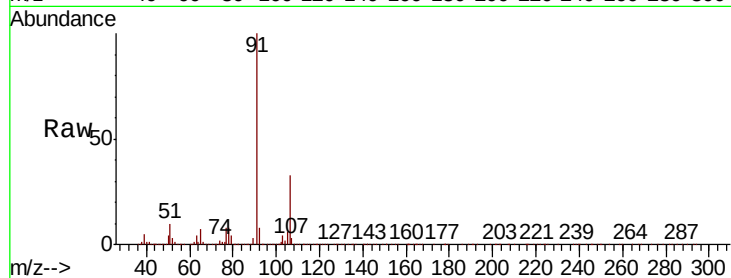
ClientSampleId :

Tot Ion: 91 Resp: 938024

Ion Ratio Lower Upper

91 100

106 32.9 23.6 43.8



#53

m,p-Xylene

Concen: 5.194 ug/L

RT: 11.51 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VR025546.D

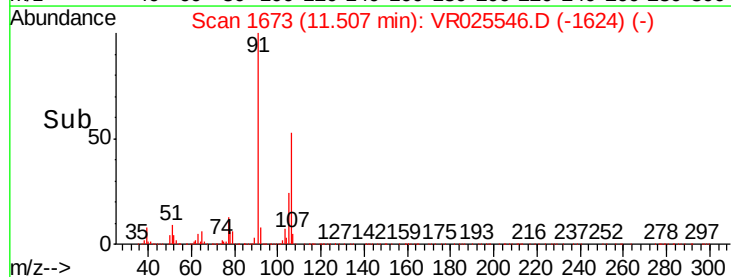
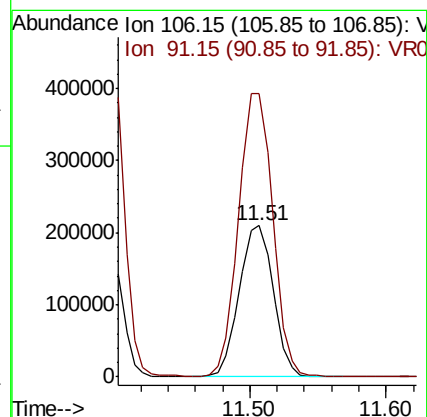
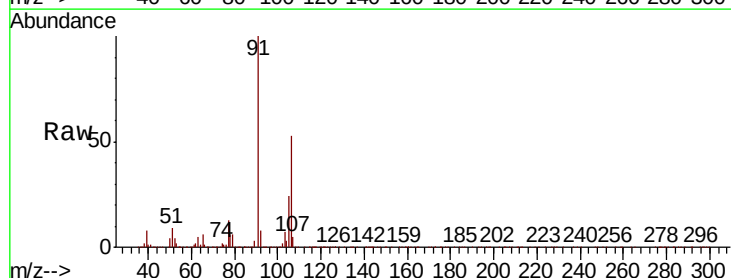
Acq: 30 Jul 2018 18:54

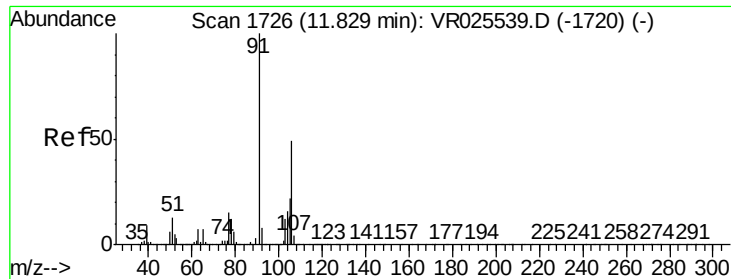
Tgt Ion: 106 Resp: 368564

Ion Ratio Lower Upper

106 100

91 187.2 128.2 238.0

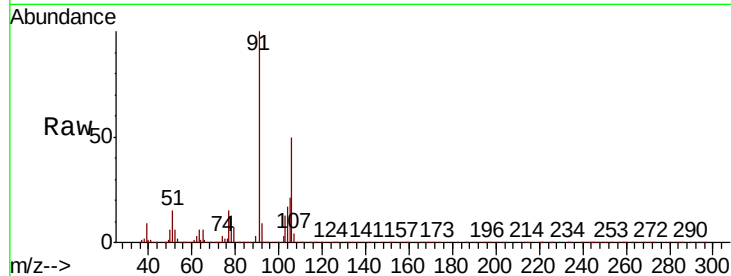




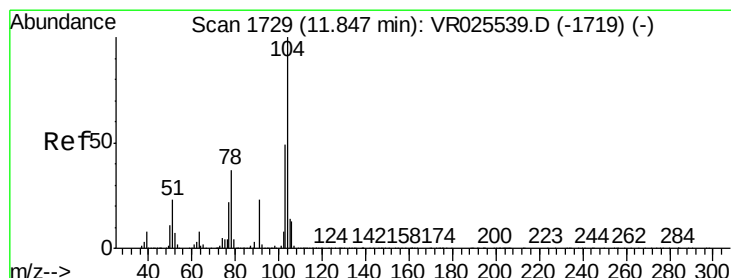
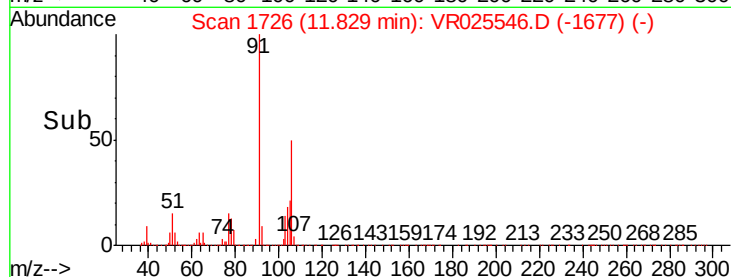
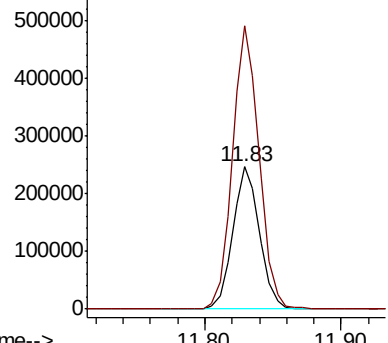
#54
o-Xylene
Concen: 5.187 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:106 Resp: 337920
Ion Ratio Lower Upper
106 100
91 198.9 143.0 265.6

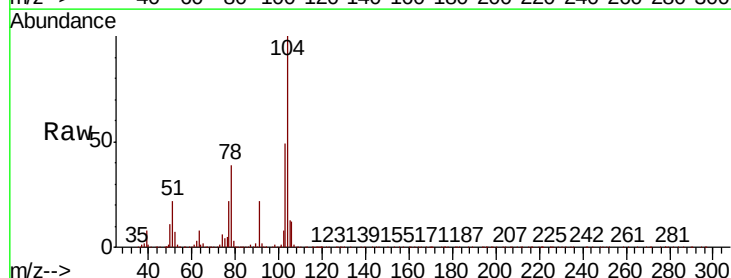


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VR0

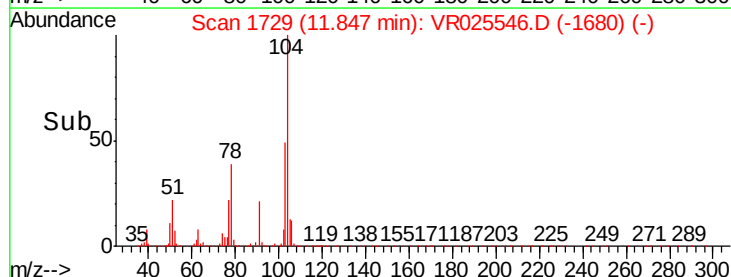
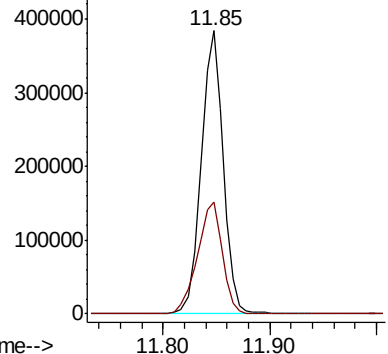


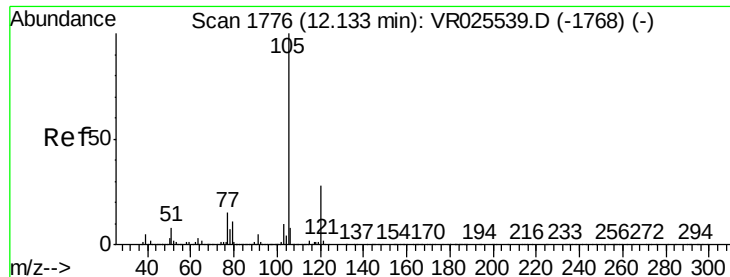
#55
Styrene
Concen: 5.338 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025546.D
Acq: 30 Jul 2018 18:54

Tgt Ion:104 Resp: 554029
Ion Ratio Lower Upper
104 100
78 39.4 26.0 48.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 5.255 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VR025546.D

Acq: 30 Jul 2018 18:54

Instrument :

MSVOA_R

ClientSampled :

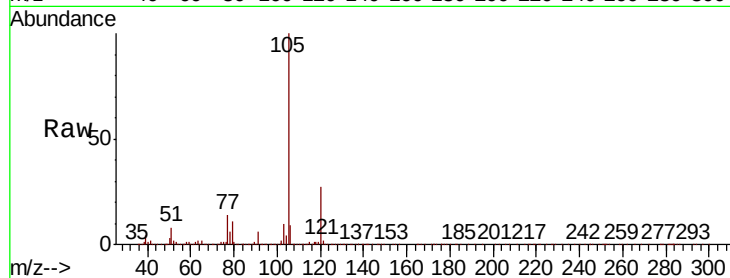
Tot Ion: 105 Resp: 900454

Ion Ratio Lower Upper

105 100

120 28.1 22.5 33.7

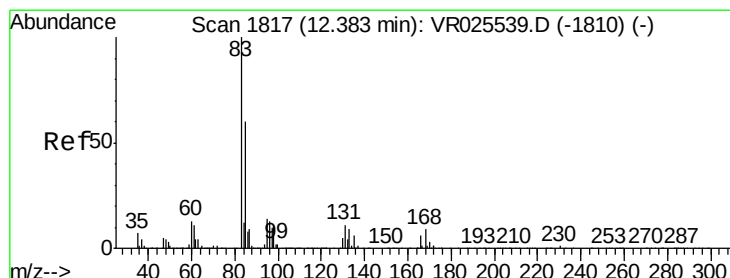
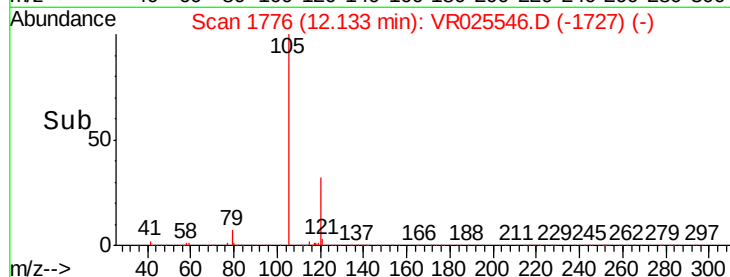
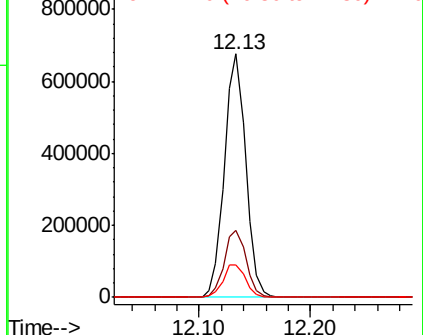
77 14.2 11.8 17.6



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.626 ug/L

RT: 12.39 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VR025546.D

Acq: 30 Jul 2018 18:54

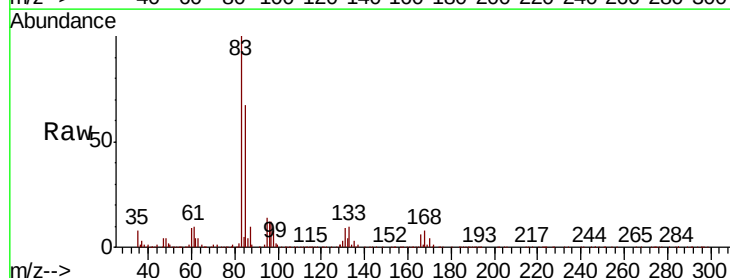
Tgt Ion: 83 Resp: 88533

Ion Ratio Lower Upper

83 100

85 66.8 42.5 78.9

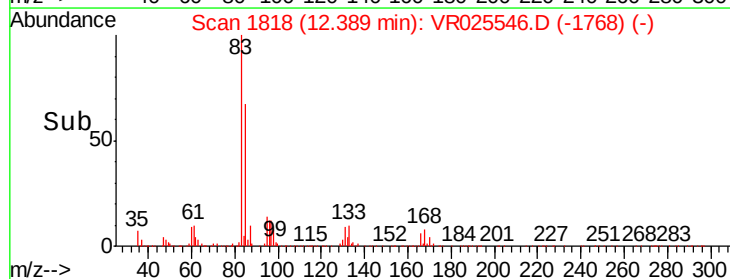
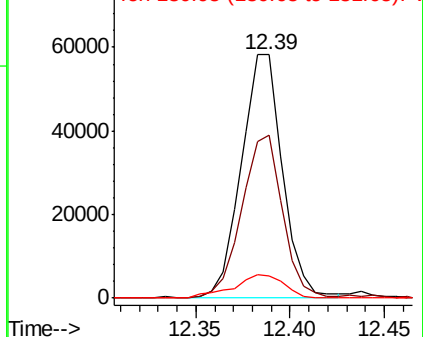
131 9.1 8.6 13.0

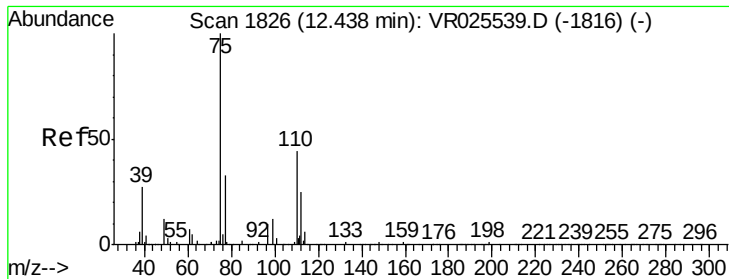


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

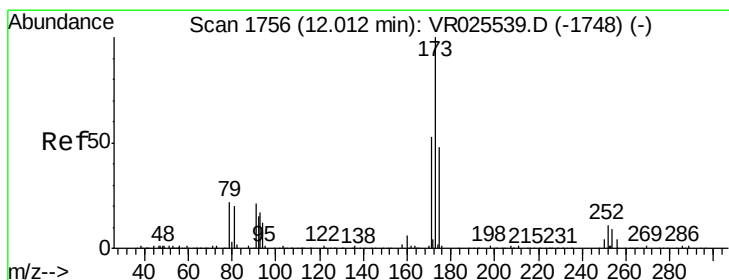
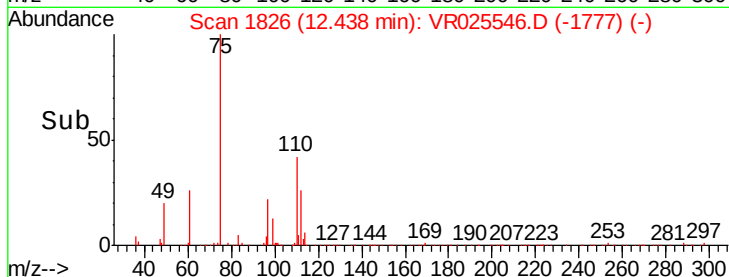
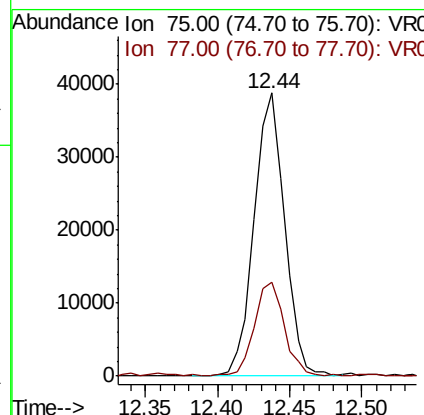
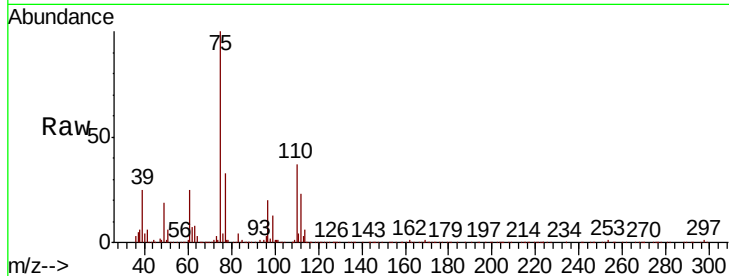




#59
 1,2,3-Trichloropropane
 Concen: 5.393 ug/L
 RT: 12.44 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

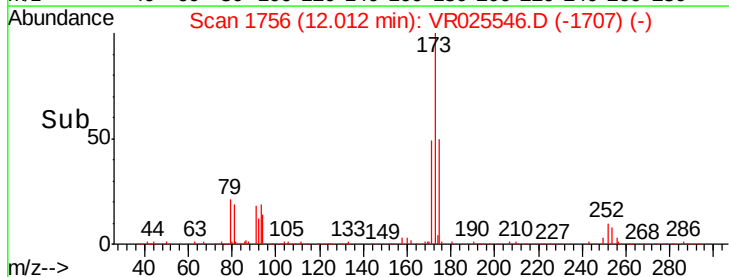
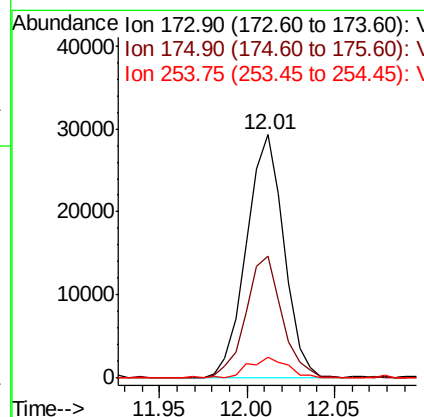
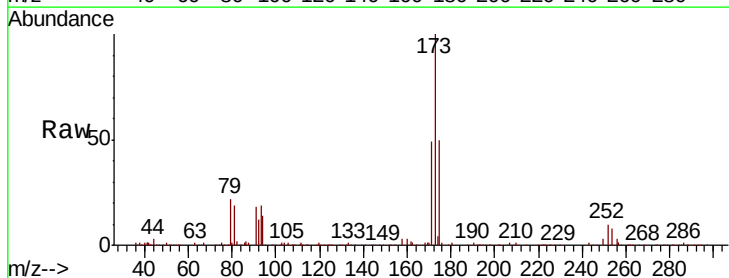
Instrument :
 MSVOA_R
 ClientSampleId :

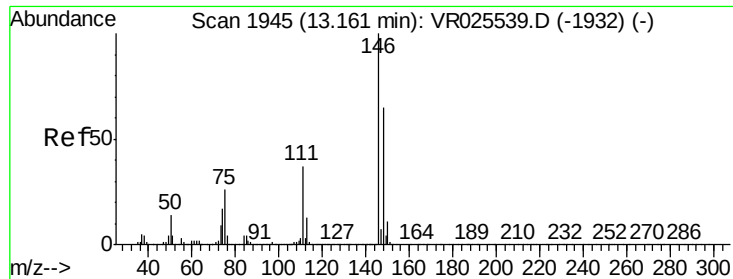
Tot Ion: 75 Resp: 56690
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.7 37.1



#61
 Bromoform
 Concen: 4.883 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

Tgt Ion: 173 Resp: 43687
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.3 58.9
 254 9.2 7.5 11.3

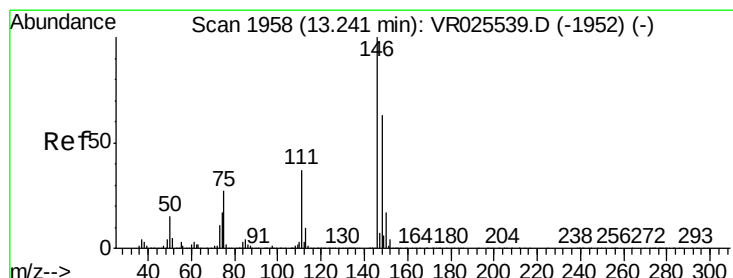
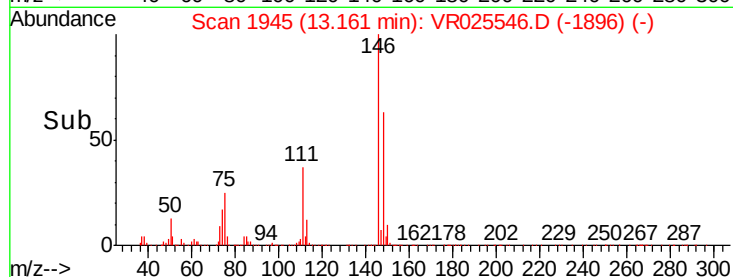
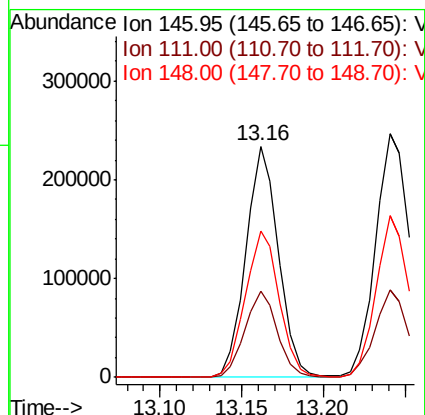
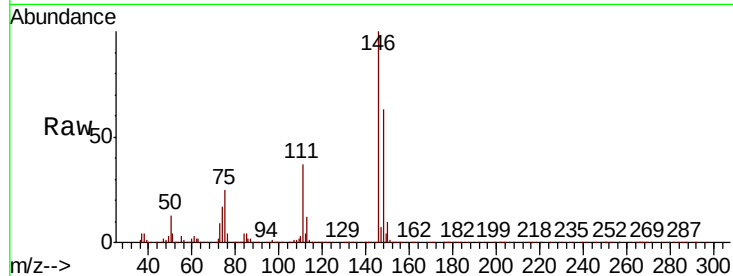




#62
 1,3-Dichlorobenzene
 Concen: 5.009 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

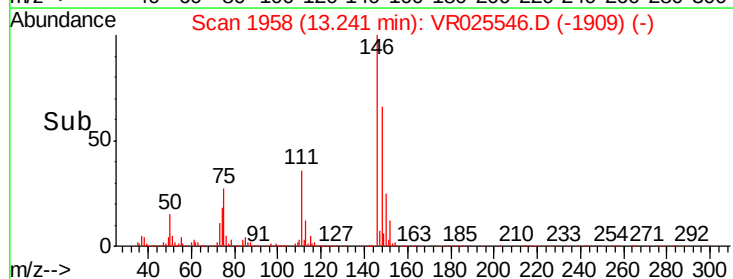
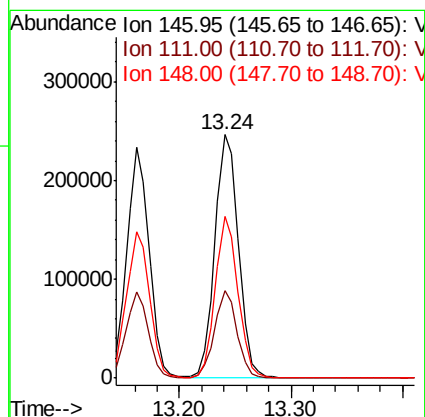
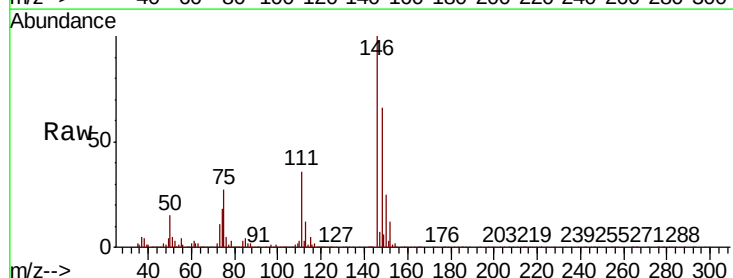
Instrument :
 MSVOA_R
 ClientSampleId :

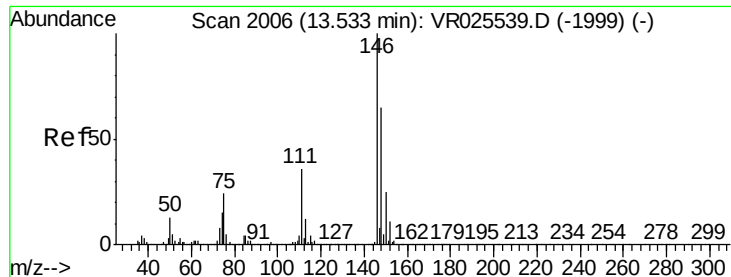
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.2	48.6
148	63.5	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 5.123 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	25.6	47.6
148	66.2	44.2	82.0

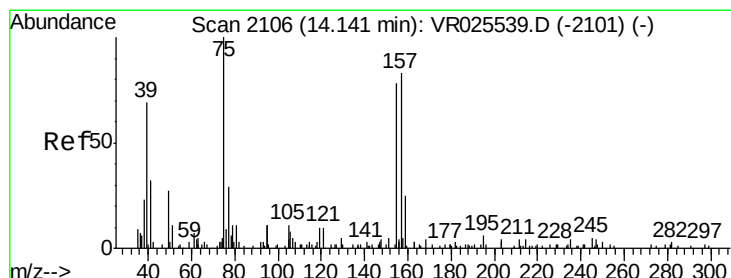
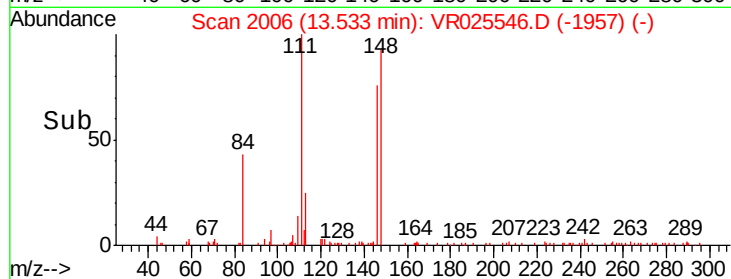
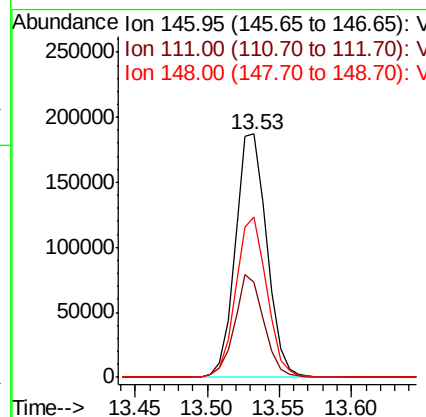
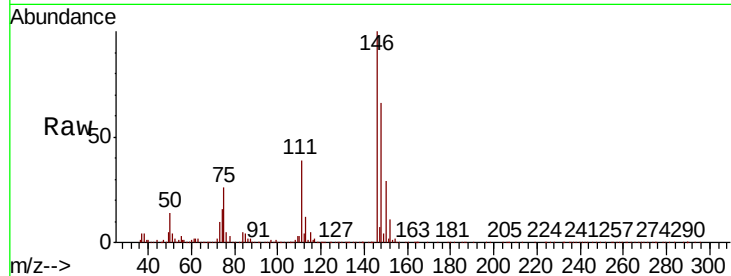




#65
 1,2-Dichlorobenzene
 Concen: 5.110 ug/L
 RT: 13.53 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

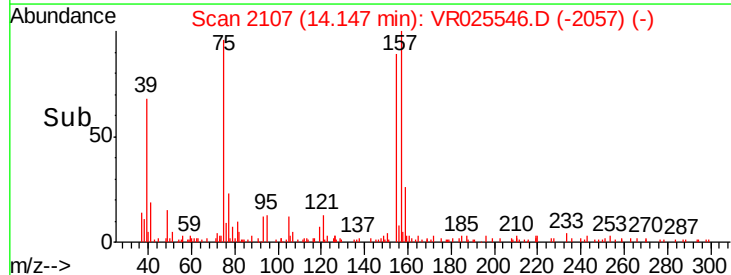
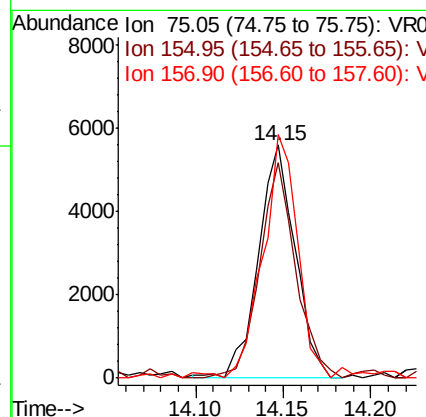
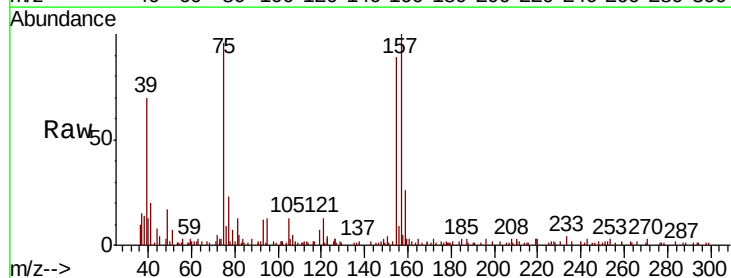
Instrument :
 MSVOA_R
 ClientSampled :

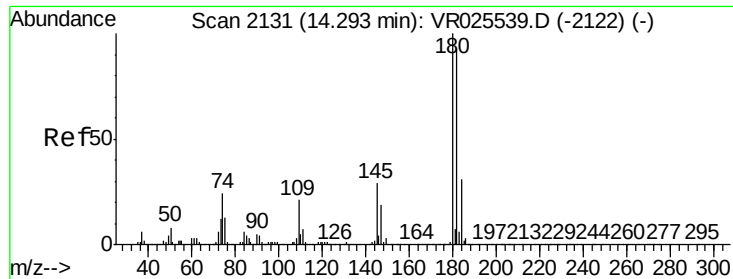
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	28.9	43.3
148	65.7	52.1	78.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.724 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	62.3	93.5
157	104.6	67.7	101.5

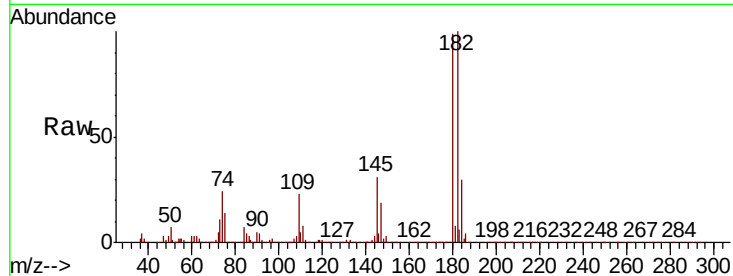




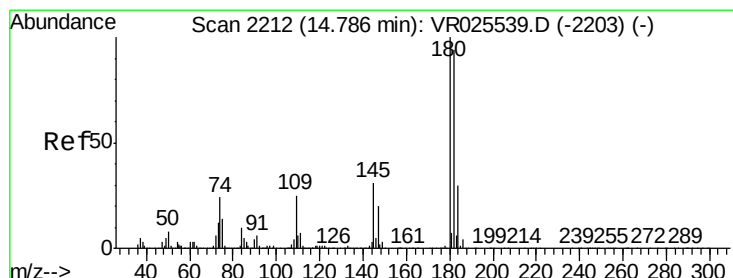
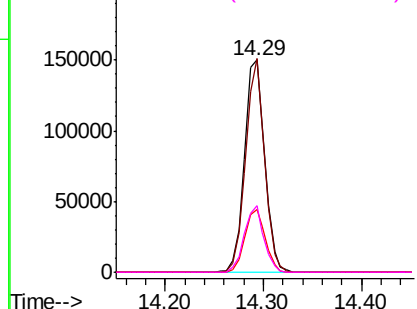
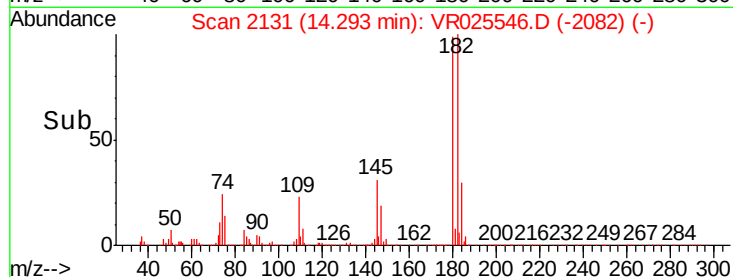
#67
 1,3,5-Trichlorobenzene
 Concen: 4.859 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	180	Resp:	214502
Ion Ratio	Lower	Upper	
180	100		
182	94.2	75.0	112.4
184	30.0	24.1	36.1
145	30.3	24.1	36.1

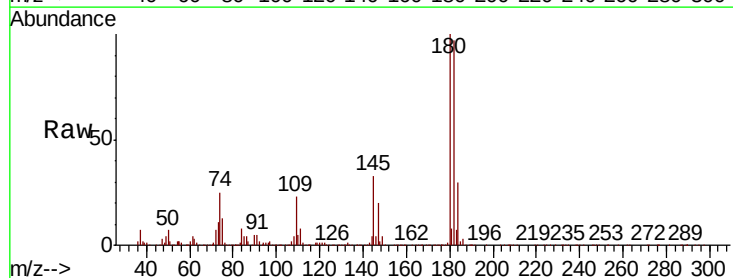


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

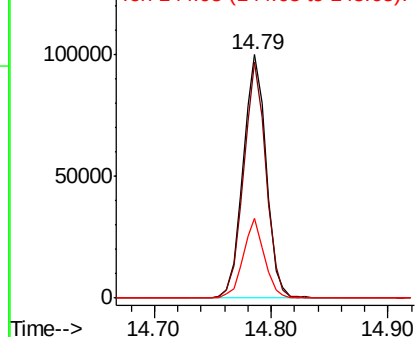
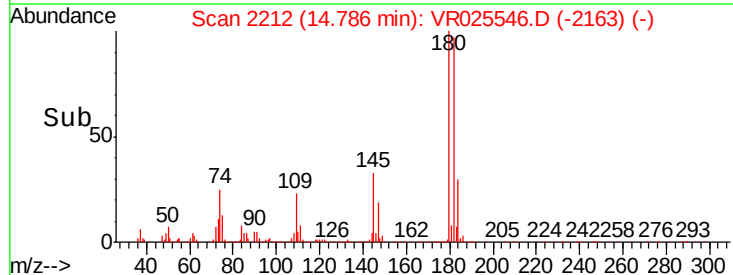


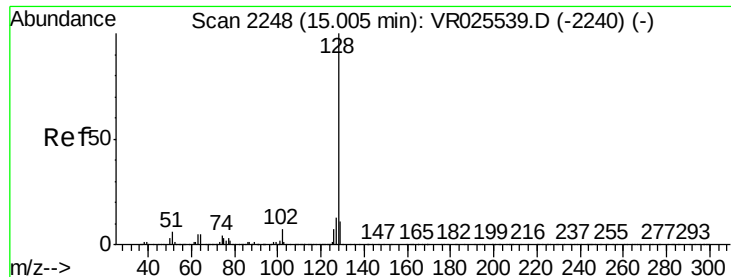
#68
 1,2,4-trichlorobenzene
 Concen: 4.867 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025546.D
 Acq: 30 Jul 2018 18:54

Tgt Ion:	180	Resp:	138058
Ion Ratio	Lower	Upper	
180	100		
182	94.0	76.8	115.2
145	30.1	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: 5.219 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.00 min

Lab File: VR025546.D

Acq: 30 Jul 2018 18:54

Instrument :

MSVOA_R

ClientSampleId :

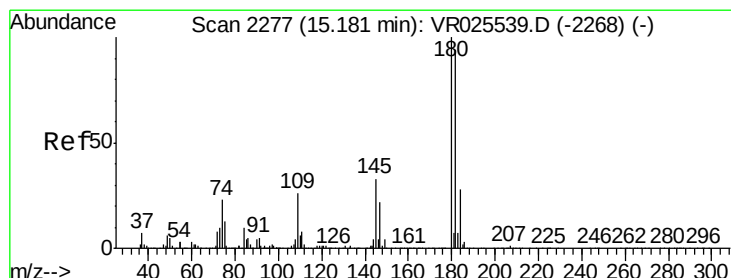
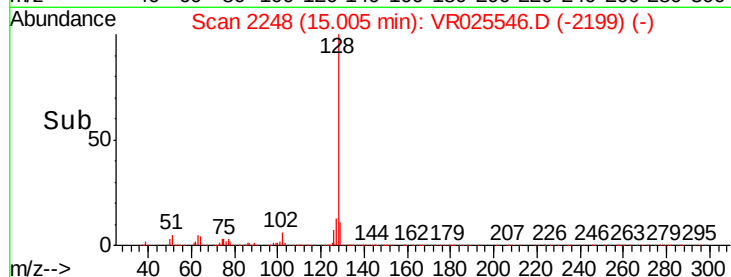
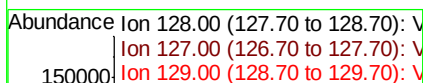
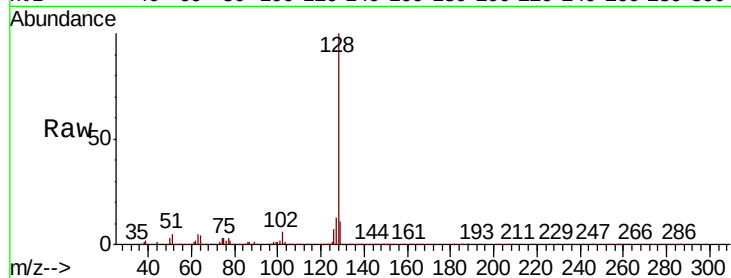
Tot Ion:128 Resp: 169130

Ion Ratio Lower Upper

128 100

127 13.5 11.1 16.7

129 11.6 8.9 13.3



#70

1,2,3-Trichlorobenzene

Concen: 5.137 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025546.D

Acq: 30 Jul 2018 18:54

Tgt Ion:180 Resp: 112056

Ion Ratio Lower Upper

180 100

182 95.5 75.6 113.4

145 31.2 26.1 39.1

