

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR073018\
 Data File : VR025542.D
 Acq On : 30 Jul 2018 15:48
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Jul 31 08:27:00 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	708272	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	594608	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	267790	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	208147	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	2.64	69	158902	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	3.64	63	466909	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.20%
20) 2-Butanone-d5	6.60	46	164855	45.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.90%
24) Chloroform-d	7.21	84	312559	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	7.90	65	108391	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
32) Benzene-d6	7.86	84	704449	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	8.90	67	181560	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	9.97	98	690099	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	10.24	79	45543	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	10.59	63	154521	45.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.32%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	85697	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	174074	4.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	207852	5.126	ug/L 96
3) Chloromethane	2.02	50	256955	4.798	ug/L 99
5) Vinyl chloride	2.16	62	265874	4.968	ug/L 97
6) Bromomethane	2.53	94	146326	4.972	ug/L 88
8) Chloroethane	2.67	64	145308	4.889	ug/L 94
9) Trichlorofluoromethane	2.99	101	363844	4.977	ug/L # 85
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	241837	5.119	ug/L 97
12) 1,1-Dichloroethene	3.66	96	244400	4.831	ug/L 86
13) Acetone	3.71	43	144867	47.513	ug/L 93
14) Carbon disulfide	3.98	76	573240	4.892	ug/L 97
15) Methyl Acetate	4.21	43	45095	4.684	ug/L 98
16) Methylene chloride	4.41	84	121494	2.844	ug/L 96
17) Methyl tert-butyl Ether	4.90	73	228991	4.509	ug/L 100
18) trans-1,2-Dichloroethene	4.89	96	222646	4.595	ug/L 95
19) 1,1-Dichloroethane	5.70	63	323661	4.565	ug/L 95
21) 2-Butanone	6.69	43	208142	49.136	ug/L 96
22) cis-1,2-Dichloroethene	6.68	96	213723	4.830	ug/L 99

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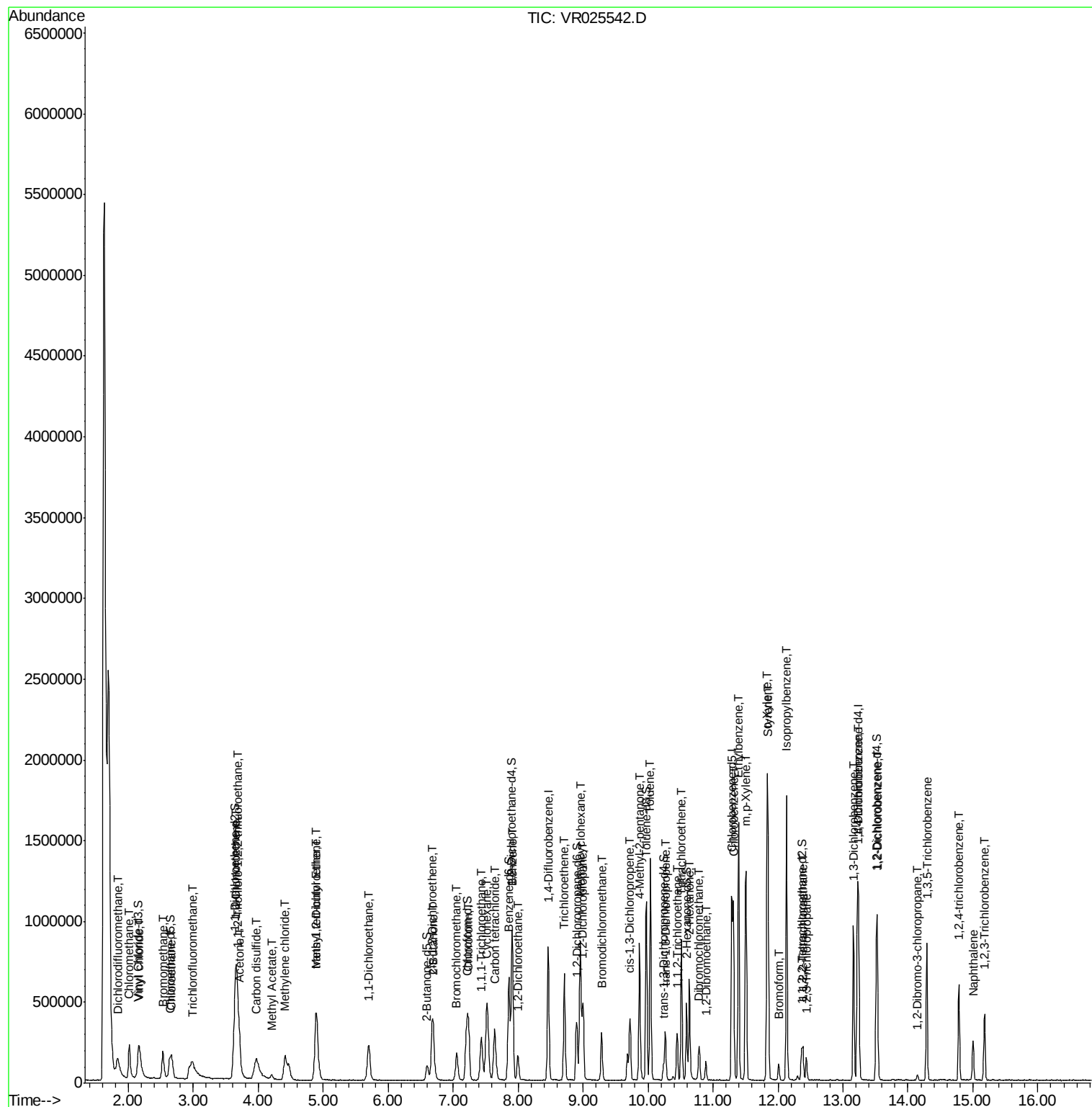
23) Bromochloromethane	7.05	128	69476	4.733	ug/L	94
25) Chloroform	7.24	83	319483	4.552	ug/L	98
27) 1,2-Dichloroethane	8.00	62	125630	4.492	ug/L #	90
29) 1,1,1-Trichloroethane	7.44	97	231183	4.390	ug/L	98
30) Cyclohexane	7.53	56	314316	5.181	ug/L	99
31) Carbon tetrachloride	7.64	117	252515	4.646	ug/L	99
33) Benzene	7.91	78	842582	4.587	ug/L	100
34) Trichloroethene	8.71	95	207987	4.553	ug/L	96
35) Methylcyclohexane	8.96	83	366171	5.330	ug/L	99
37) 1,2-Dichloropropane	9.00	63	174582	4.515	ug/L	99
38) Bromodichloromethane	9.29	83	180534	4.570	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	209693	4.912	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	534603	49.063	ug/L	99
42) Toluene	10.03	91	950341	4.858	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	143663	4.820	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	88543	4.598	ug/L	95
47) Tetrachloroethene	10.52	164	186310	4.766	ug/L	96
48) 2-Hexanone	10.64	43	359063	48.864	ug/L	98
49) Dibromochloromethane	10.78	129	106917	4.706	ug/L	99
50) 1,2-Dibromoethane	10.89	107	73426	4.570	ug/L	97
51) Chlorobenzene	11.32	112	545494	4.611	ug/L	98
52) Ethylbenzene	11.39	91	1032875	4.856	ug/L	97
53) m,p-Xylene	11.51	106	413381	5.023	ug/L	94
54) o-Xylene	11.83	106	368527	4.878	ug/L	97
55) Styrene	11.85	104	603649	5.015	ug/L	97
56) Isopropylbenzene	12.13	105	1013310	5.099	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	82797	4.537	ug/L	99
59) 1,2,3-Trichloropropane	12.44	75	55296	4.536	ug/L	97
61) Bromoform	12.01	173	44530	4.175	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	367064	4.740	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	391497	4.658	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	304308	4.574	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.15	75	8054	3.912	ug/L #	59
67) 1,3,5-Trichlorobenzene	14.29	180	254688	4.839	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	164048	4.850	ug/L	98
69) Naphthalene	15.00	128	184249	4.768	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	125351	4.819	ug/L	98

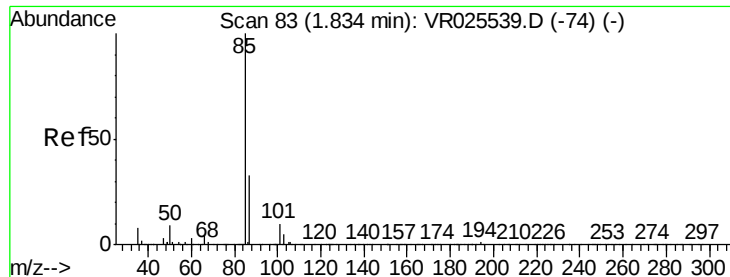
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.126 ug/L

RT: 1.84 min Scan# 84

Delta R.T. 0.01 min

Lab File: VR025542.D

Acq: 30 Jul 2018 15:48

Instrument :

MSVOA_R

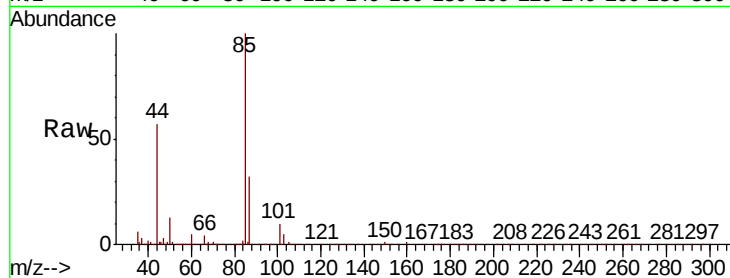
ClientSampleId :

Tot Ion: 85 Resp: 207852

Ion Ratio Lower Upper

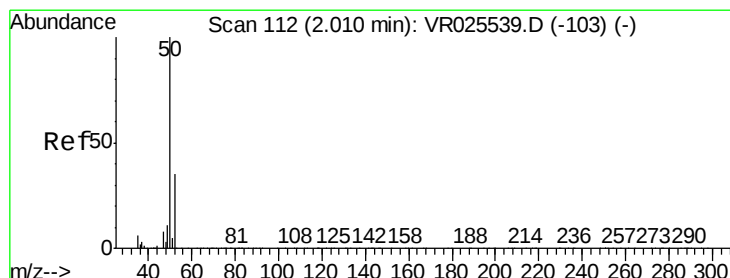
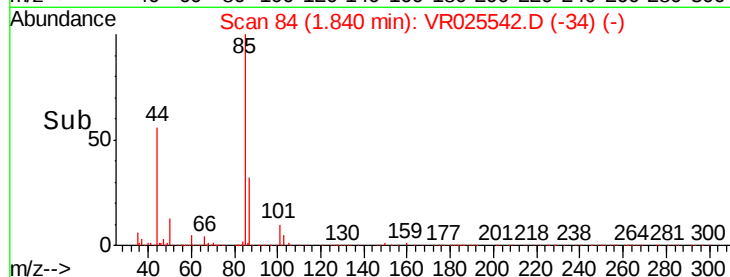
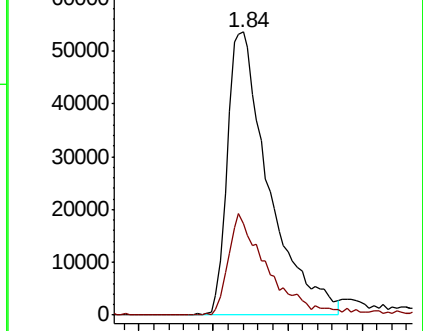
85 100

87 33.6 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.798 ug/L

RT: 2.02 min Scan# 113

Delta R.T. 0.01 min

Lab File: VR025542.D

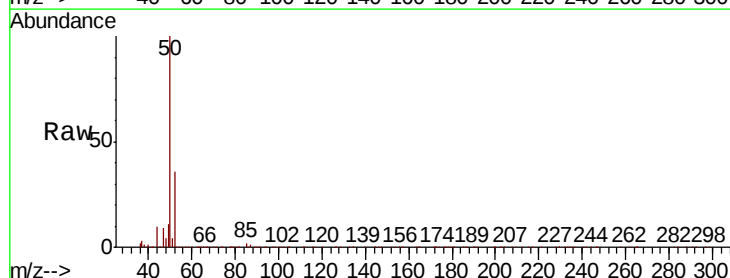
Acq: 30 Jul 2018 15:48

Tgt Ion: 50 Resp: 256955

Ion Ratio Lower Upper

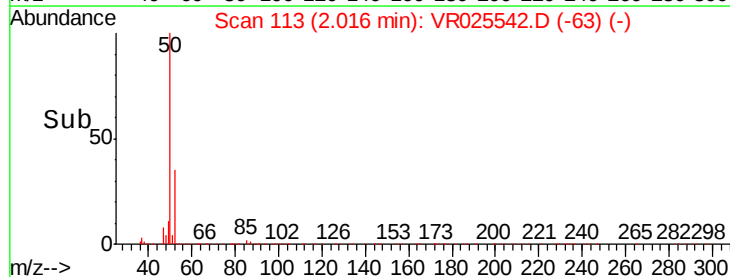
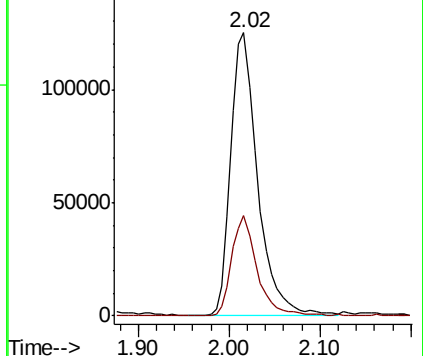
50 100

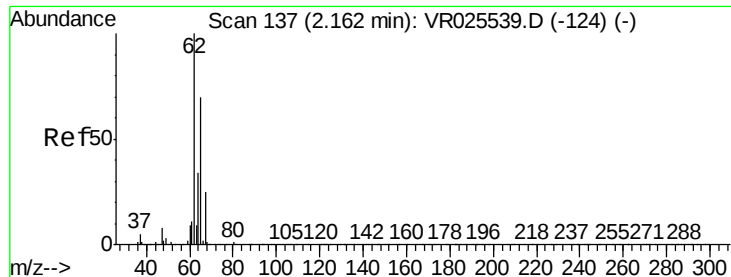
52 35.5 24.4 45.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.968 ug/L

RT: 2.16 min Scan# 137

Delta R.T. 0.00 min

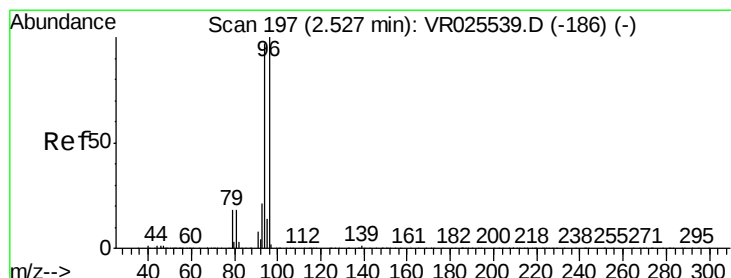
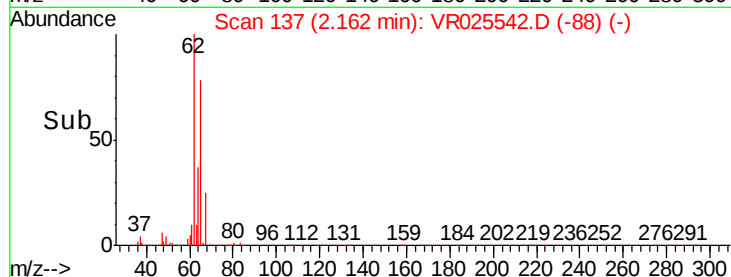
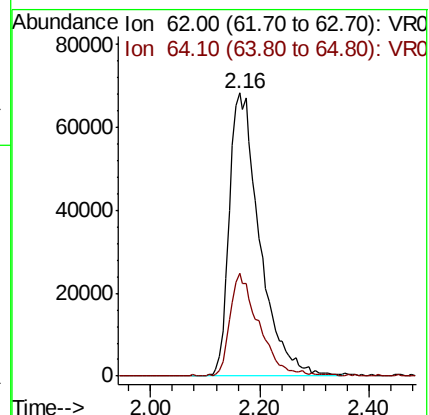
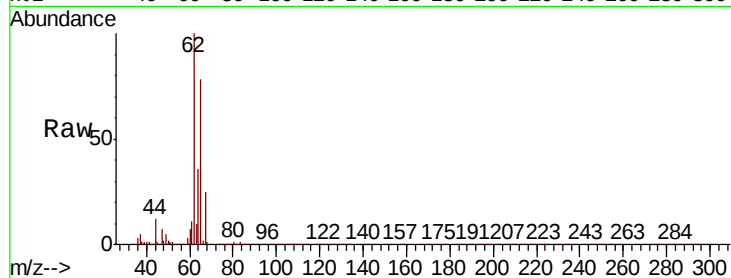
Lab File: VR025542.D

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Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 62 Resp: 265874

Ion	Ratio	Lower	Upper
62	100		
64	36.5	24.1	44.8



#6

Bromomethane

Concen: 4.972 ug/L

RT: 2.53 min Scan# 197

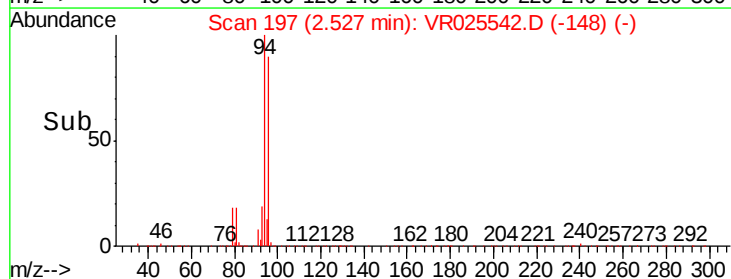
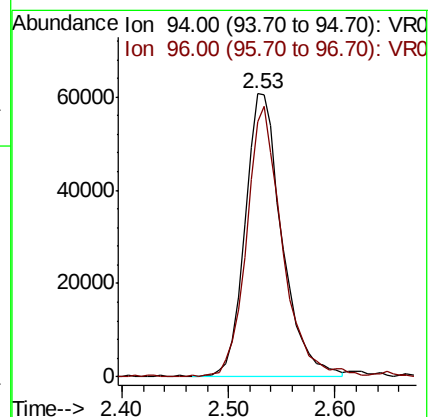
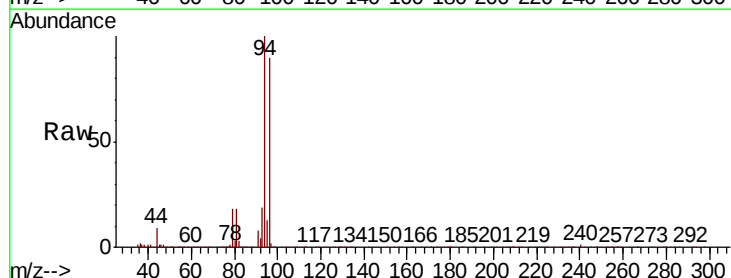
Delta R.T. 0.00 min

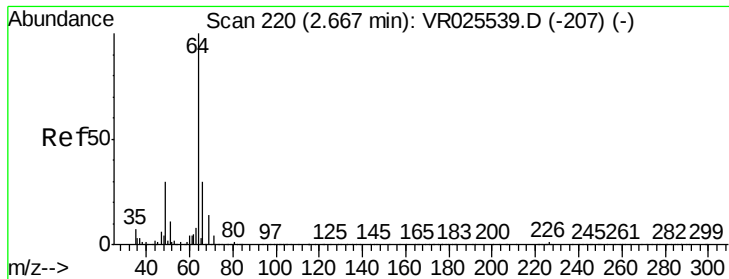
Lab File: VR025542.D

Acq: 30 Jul 2018 15:48

Tgt Ion: 94 Resp: 146326

Ion	Ratio	Lower	Upper
94	100		
96	90.1	72.0	133.6





#8

Chloroethane

Concen: 4.889 ug/L

RT: 2.67 min Scan# 220

Delta R.T. 0.00 min

Lab File: VR025542.D

Acq: 30 Jul 2018 15:48

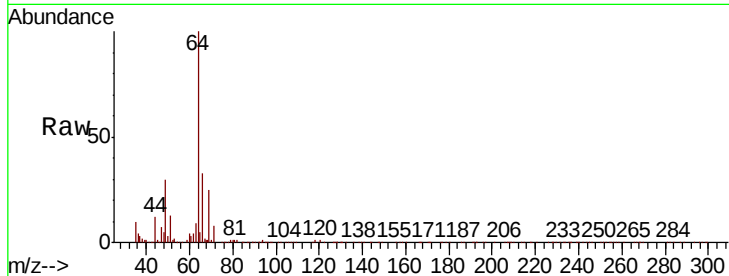
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 64 Resp: 145308

Ion Ratio Lower Upper

64 100

66 33.3 20.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.67

60000

50000

40000

30000

20000

10000

0

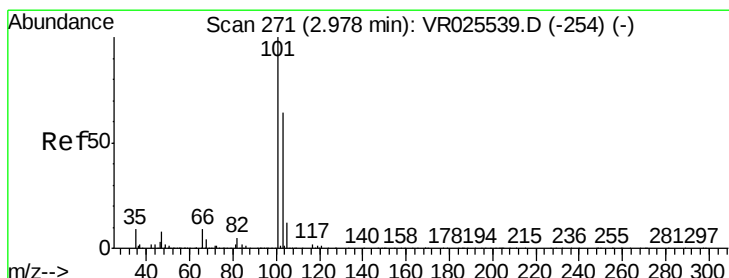
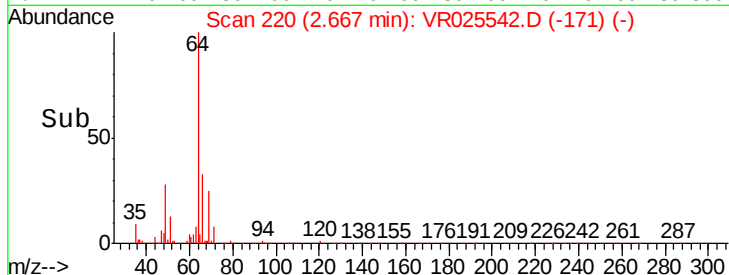
Time-->

2.50

2.60

2.70

2.80



#9

Trichlorofluoromethane

Concen: 4.977 ug/L

RT: 2.99 min Scan# 273

Delta R.T. 0.01 min

Lab File: VR025542.D

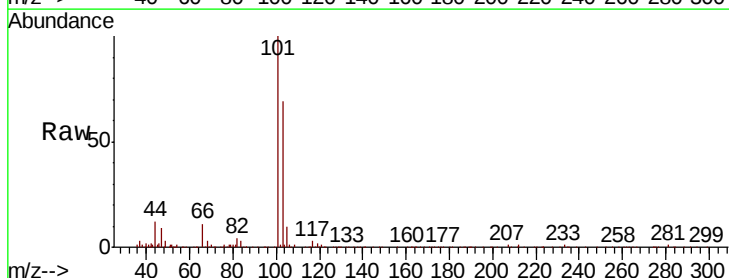
Acq: 30 Jul 2018 15:48

Tgt Ion: 101 Resp: 363844

Ion Ratio Lower Upper

101 100

103 32.0 19.8 29.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.99

50000

40000

30000

20000

10000

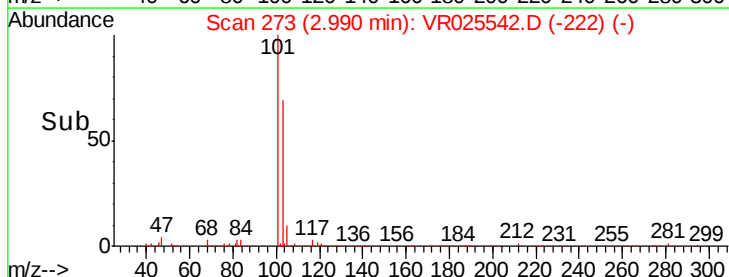
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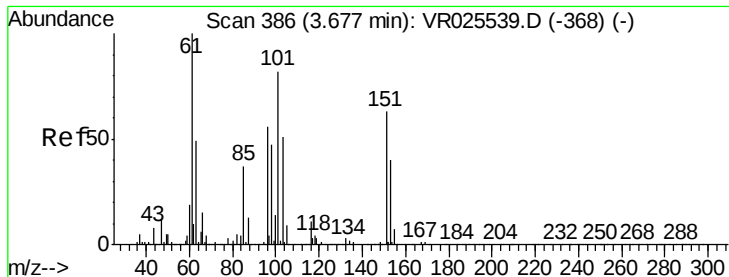
Time-->

2.80

3.00

3.20





#10

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

Concen: 5.119 ug/L

RT: 3.69 min Scan# 388

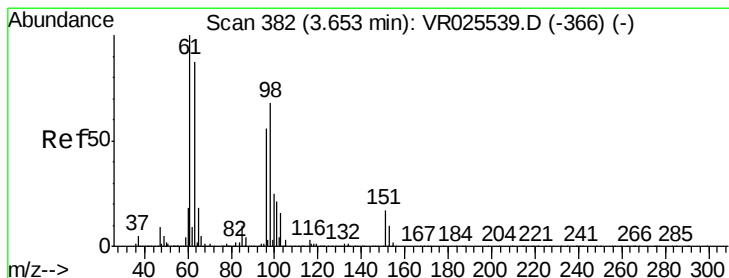
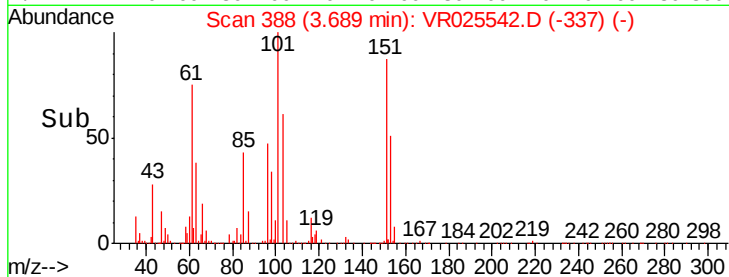
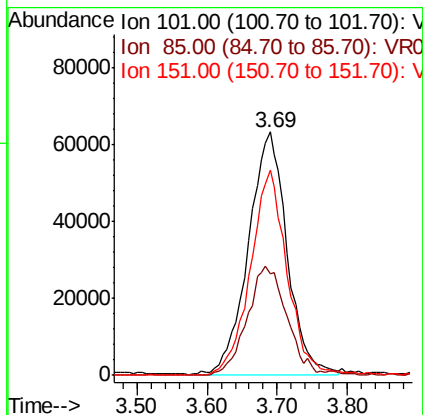
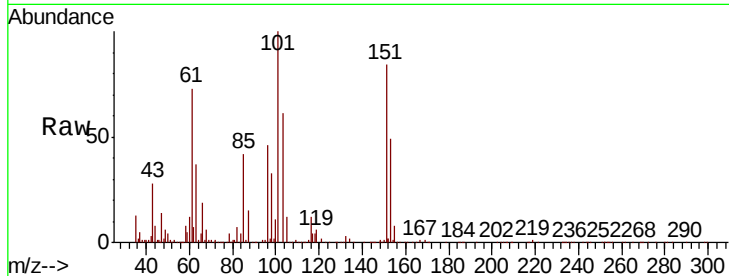
Delta R.T. 0.01 min

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Tot Ion:	101	Resp:	241837
Ion Ratio	Lower	Upper	
101	100		
85	46.0	37.4	56.0
151	80.5	61.9	92.9



#12

1,1-Dichloroethene

Concen: 4.831 ug/L

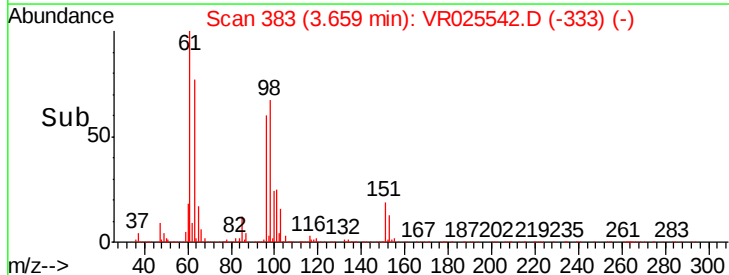
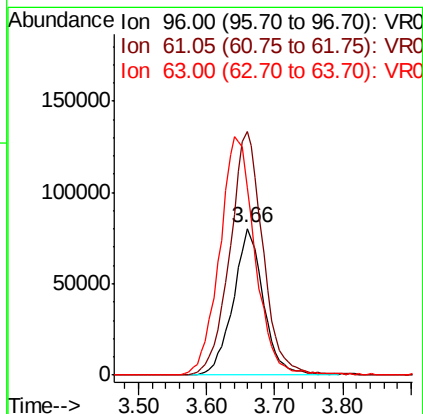
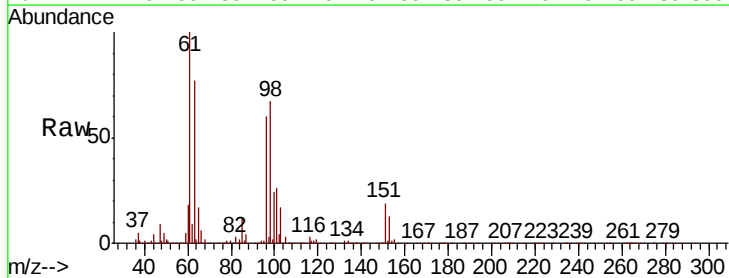
RT: 3.66 min Scan# 383

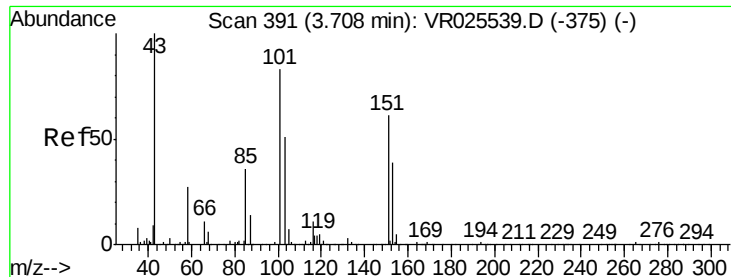
Delta R.T. 0.01 min

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Tgt Ion:	96	Resp:	244400
Ion Ratio	Lower	Upper	
96	100		
61	165.7	124.3	230.8
63	127.1	108.1	200.7

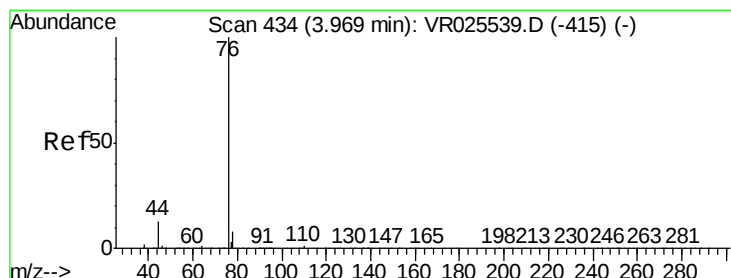
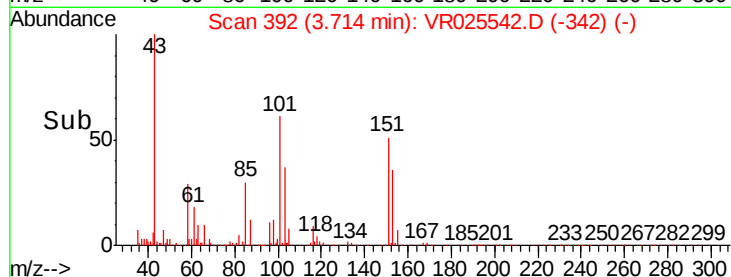
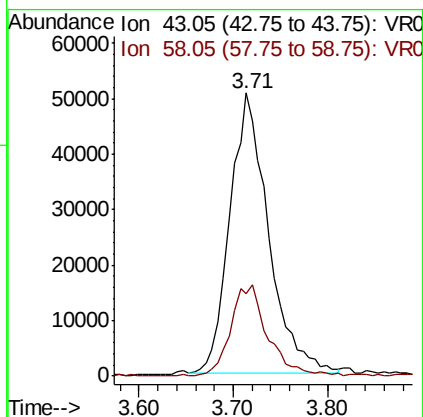
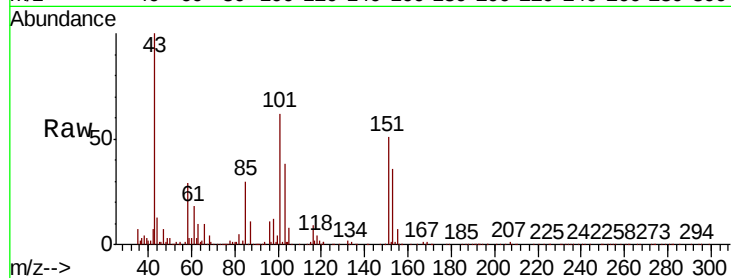




#13
Acetone
Concen: 47.513 ug/L
RT: 3.71 min Scan# 392
Delta R.T. 0.01 min
Lab File: VR025542.D
Acq: 30 Jul 2018 15:48

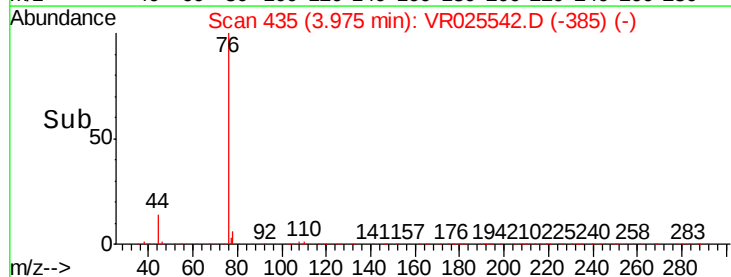
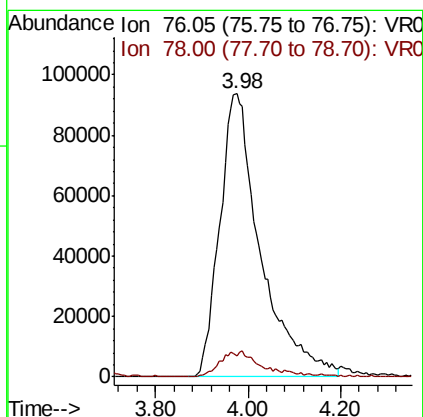
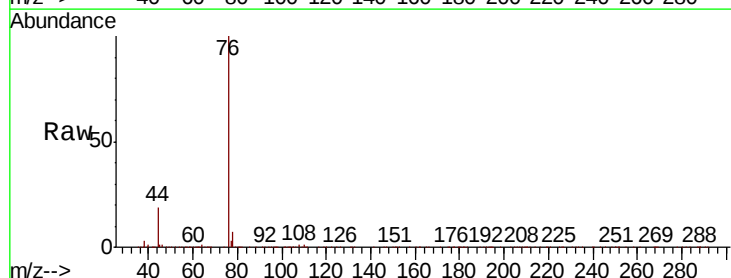
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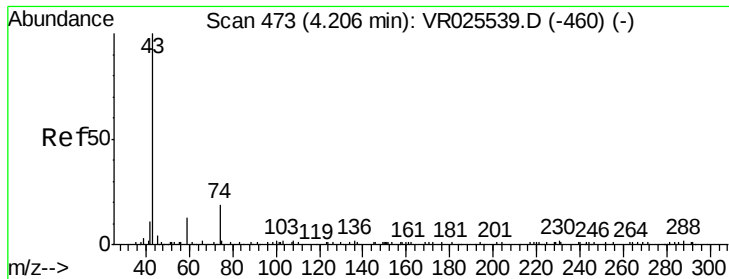
Tot Ion: 43 Resp: 144867
Ion Ratio Lower Upper
43 100
58 30.4 0.0 53.4



#14
Carbon disulfide
Concen: 4.892 ug/L
RT: 3.98 min Scan# 435
Delta R.T. 0.01 min
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Tgt Ion: 76 Resp: 573240
Ion Ratio Lower Upper
76 100
78 7.4 6.8 10.2

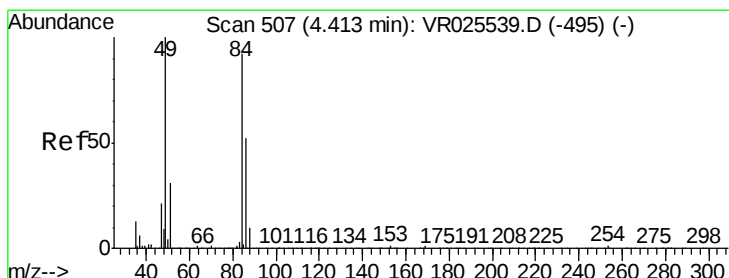
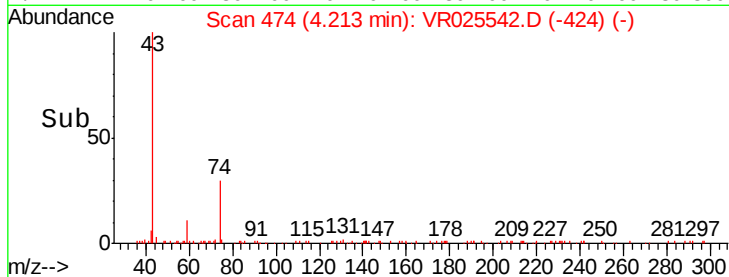
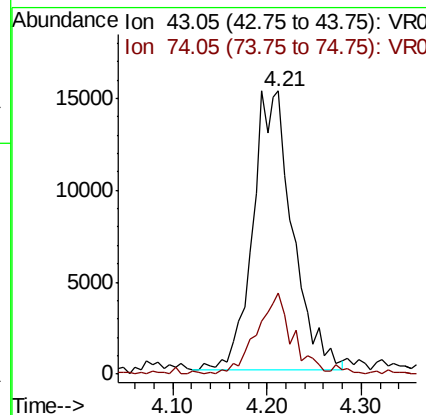
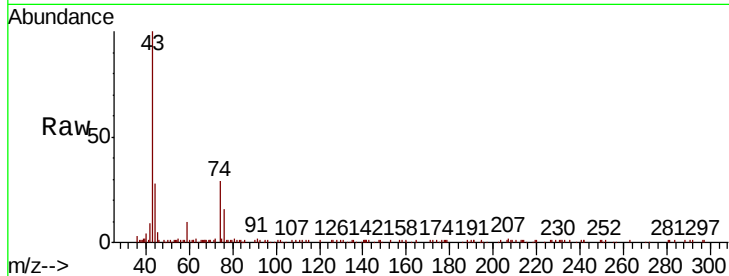




#15
Methyl Acetate
Concen: 4.684 ug/L
RT: 4.21 min Scan# 474
Delta R.T. 0.01 min
Lab File: VR025542.D
Acq: 30 Jul 2018 15:48

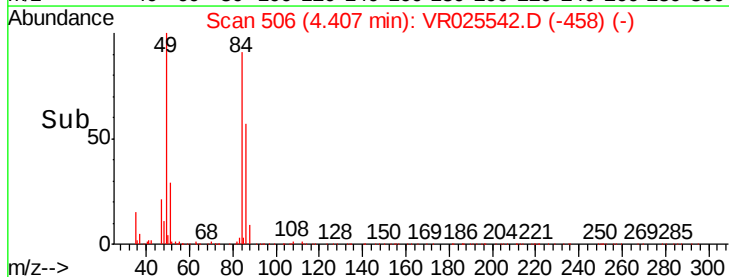
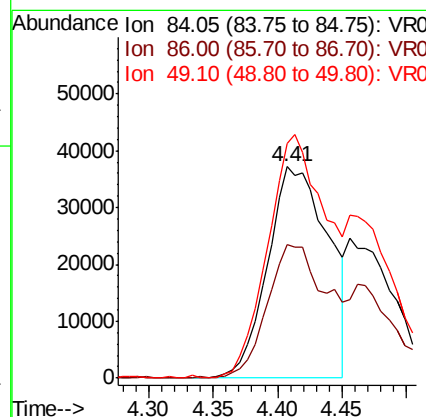
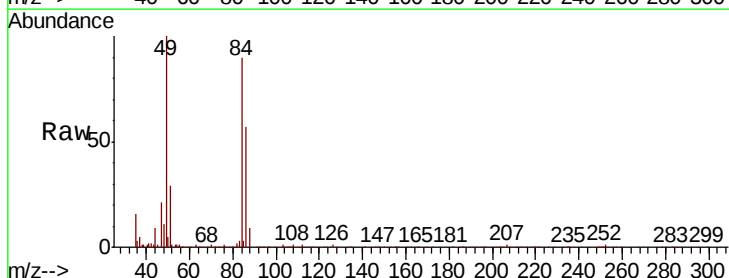
Instrument :
MSVOA_R
ClientSampleId :

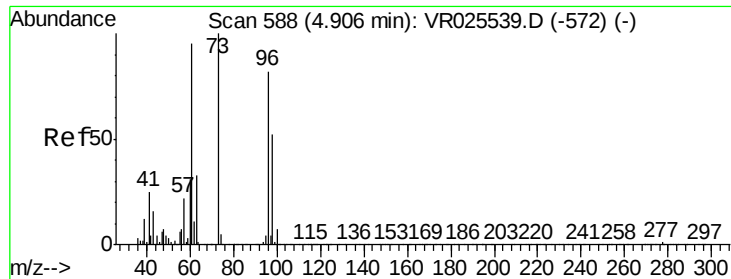
Tot Ion: 43 Resp: 45095
Ion Ratio Lower Upper
43 100
74 25.8 19.8 29.6



#16
Methylene chloride
Concen: 2.844 ug/L
RT: 4.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VR025542.D
Acq: 30 Jul 2018 15:48

Tgt Ion: 84 Resp: 121494
Ion Ratio Lower Upper
84 100
86 63.0 40.4 75.0
49 111.0 76.2 141.4

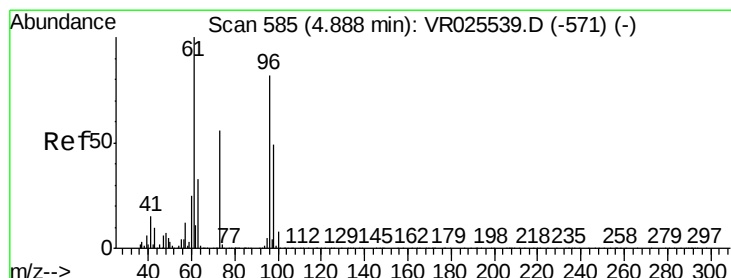
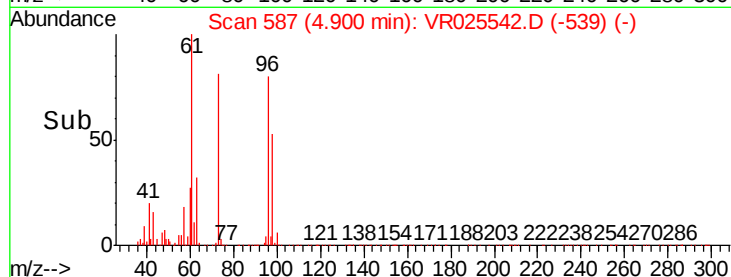
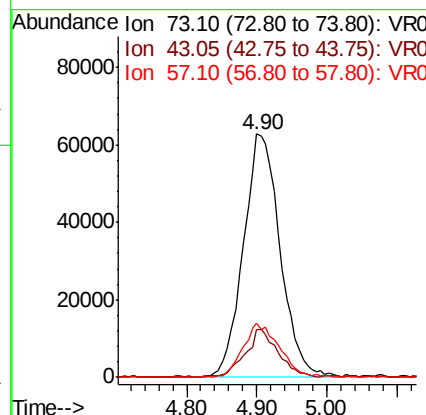
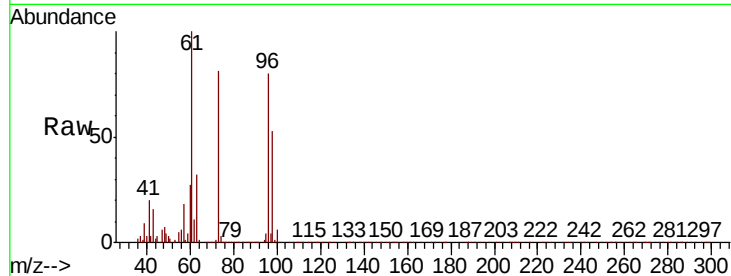




#17
Methvl tert-butvl Ether
Concen: 4.509 ug/L
RT: 4.90 min Scan# 587
Delta R.T. -0.01 min
Lab File: VR025542.D
Acq: 30 Jul 2018 15:48

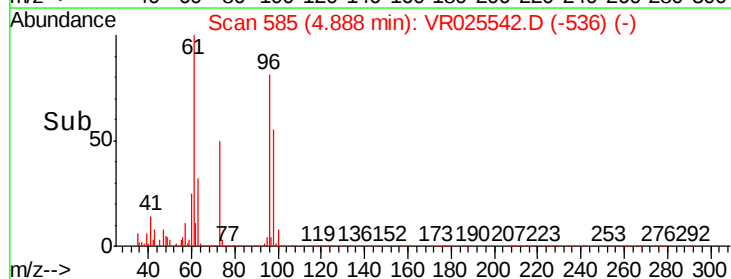
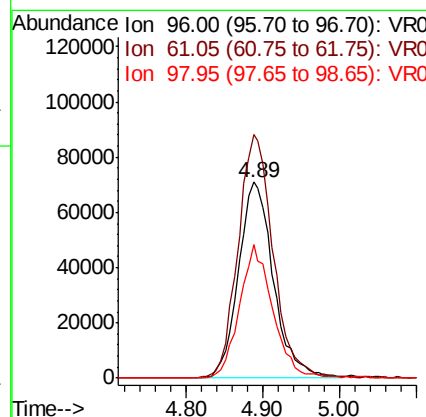
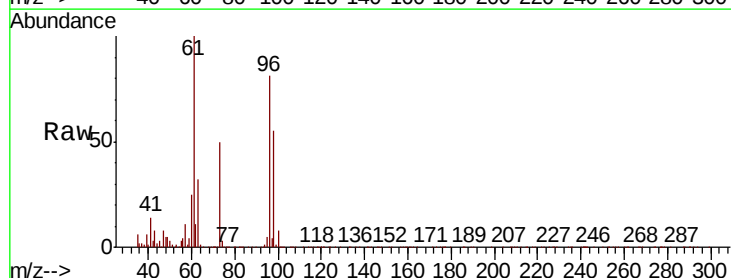
Instrument :
MSVOA_R
ClientSampleId :

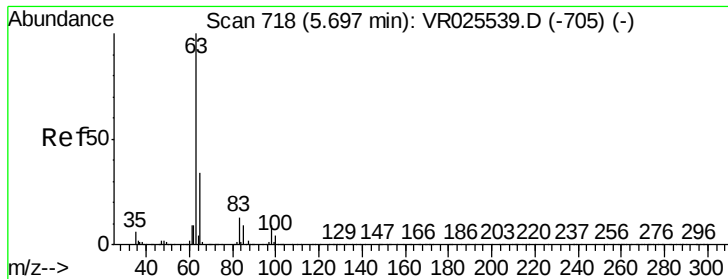
Tot Ion	Ratio	Lower	Upper
73	100		
43	17.8	14.2	21.4
57	22.0	17.6	26.4



#18
trans-1,2-Dichloroethene
Concen: 4.595 ug/L
RT: 4.89 min Scan# 585
Delta R.T. 0.00 min
Lab File: VR025542.D
Acq: 30 Jul 2018 15:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.2	85.5	158.9
98	68.4	42.1	78.1

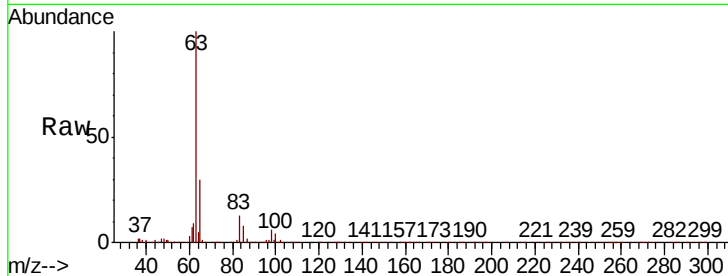




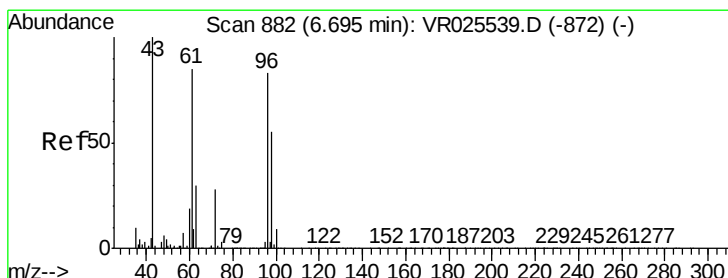
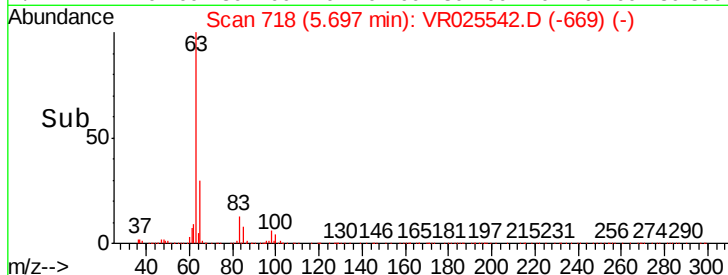
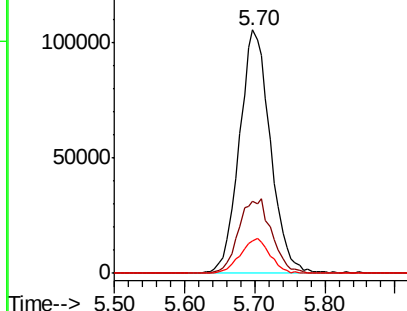
#19
 1,1-Dichloroethane
 Concen: 4.565 ug/L
 RT: 5.70 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

Instrument :
 MSVOA_R
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	23.5	43.7
83	13.4	9.1	16.9

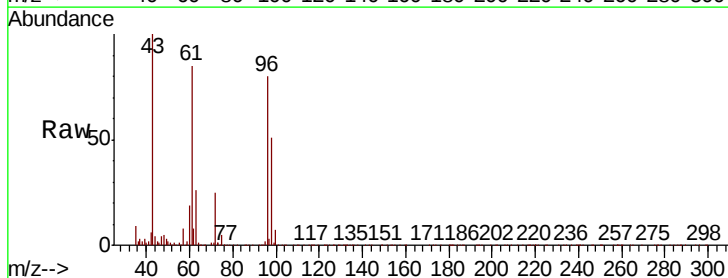


Abundance Ion 63.10 (62.80 to 63.80): VR0
 Ion 65.10 (64.80 to 65.80): VR0
 Ion 83.05 (82.75 to 83.75): VR0

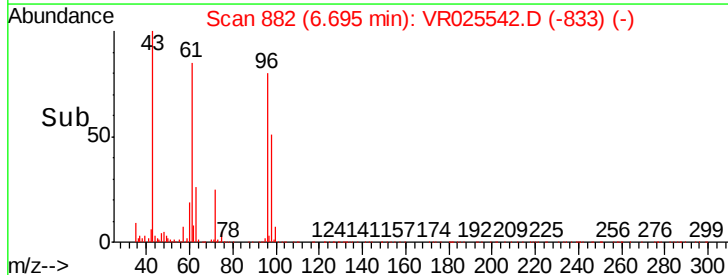
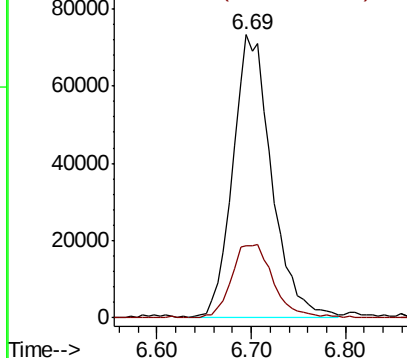


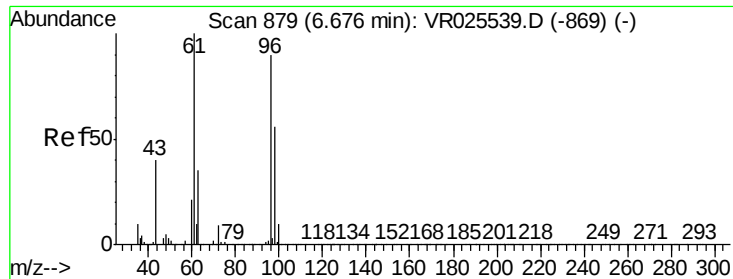
#21
 2-Butanone
 Concen: 49.136 ug/L
 RT: 6.69 min Scan# 882
 Delta R.T. 0.00 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.4	13.2	39.6



Abundance Ion 43.05 (42.75 to 43.75): VR0
 Ion 72.10 (71.80 to 72.80): VR0



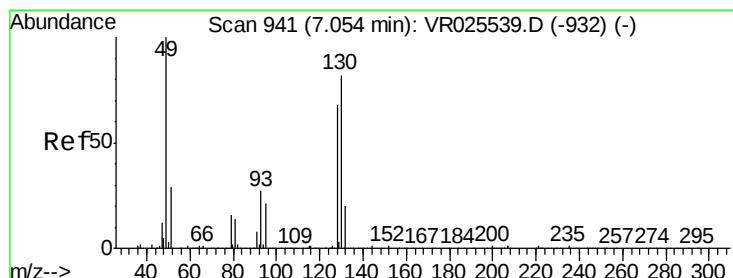
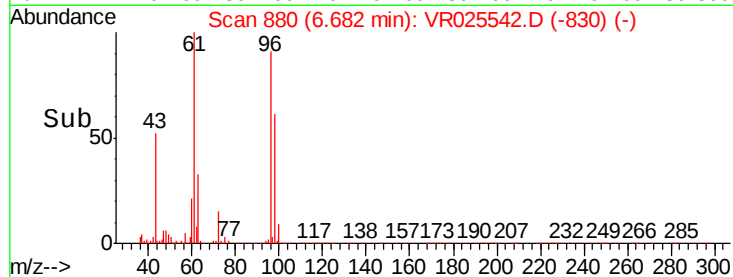
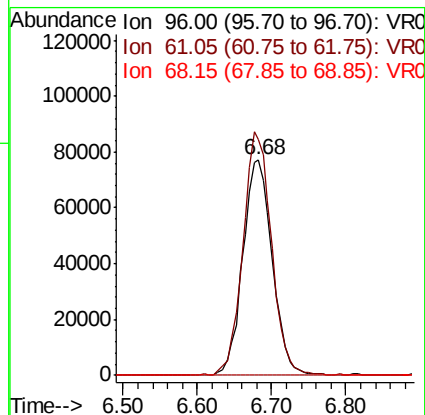
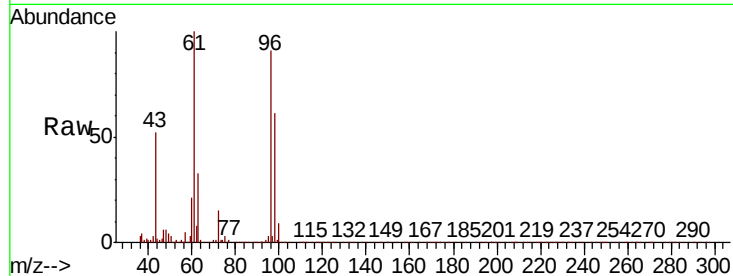


#22

cis-1,2-Dichloroethene
Concen: 4.830 ug/L
RT: 6.68 min Scan# 880
Delta R.T. 0.01 min
Lab File: VR025542.D
Acq: 30 Jul 2018 15:48

Instrument :
MSVOA_R
ClientSampleId :

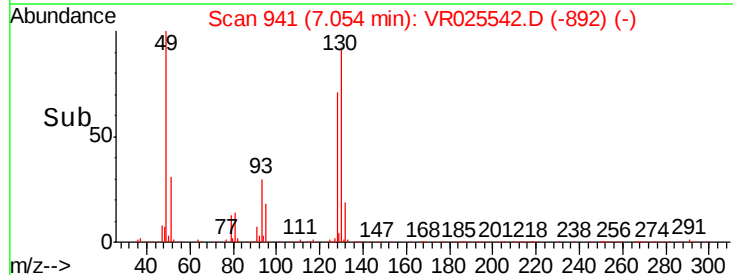
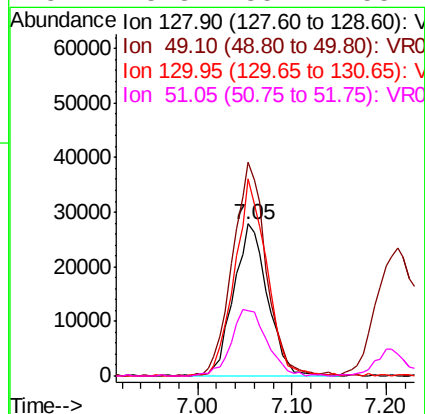
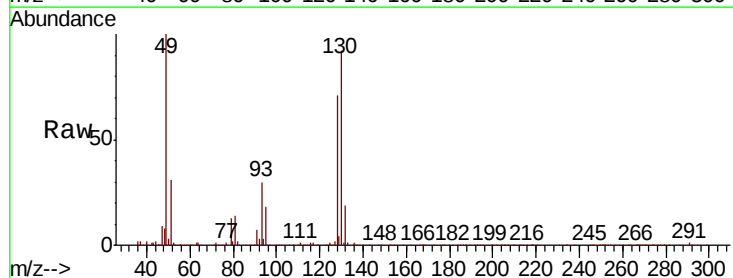
Tot Ion: 96 Resp: 213723
Ion Ratio Lower Upper
96 100
61 109.8 77.7 144.3
68 0.0 0.0 0.0

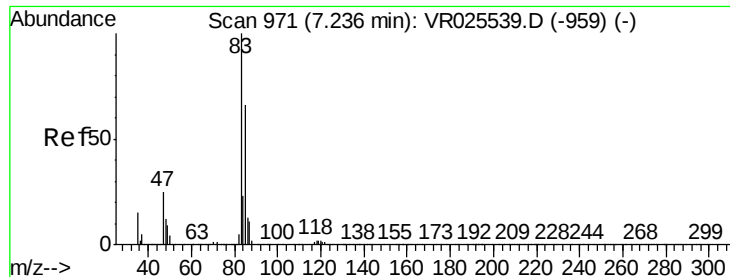


#23

Bromochloromethane
Concen: 4.733 ug/L
RT: 7.05 min Scan# 941
Delta R.T. 0.00 min
Lab File: VR025542.D
Acq: 30 Jul 2018 15:48

Tgt Ion: 128 Resp: 69476
Ion Ratio Lower Upper
128 100
49 140.4 103.3 191.9
130 129.6 84.9 157.7
51 43.3 35.4 53.2





#25

Chloroform

Concen: 4.552 ug/L

RT: 7.24 min Scan# 971

Delta R.T. 0.00 min

Lab File: VR025542.D

Acq: 30 Jul 2018 15:48

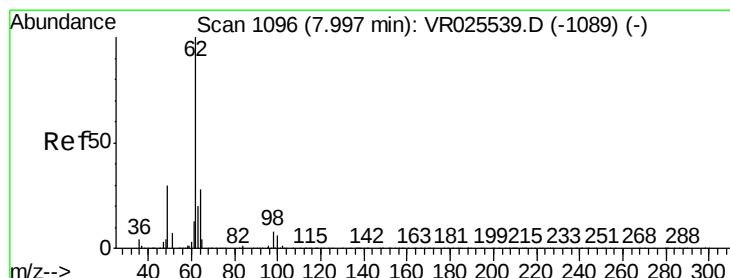
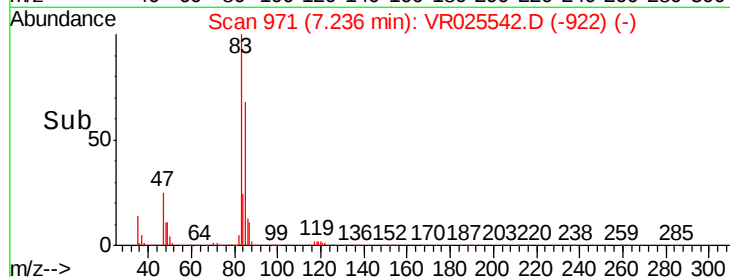
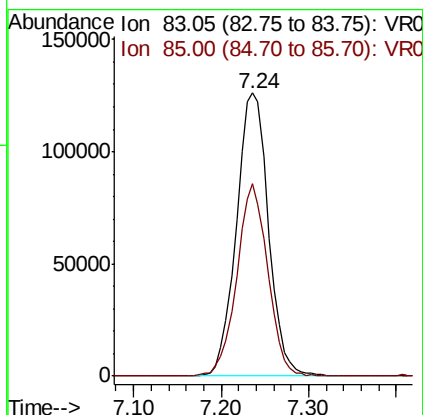
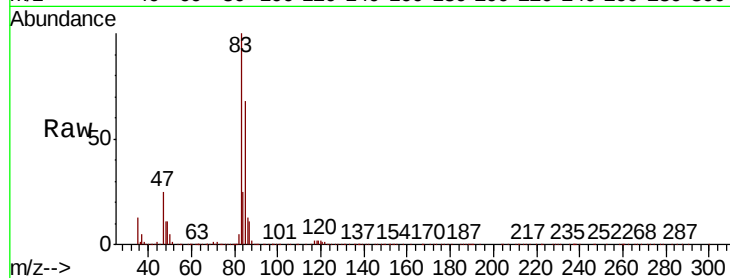
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 83 Resp: 319483

Ion Ratio Lower Upper

83 100

85 67.9 46.5 86.3



#27

1,2-Dichloroethane

Concen: 4.492 ug/L

RT: 8.00 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VR025542.D

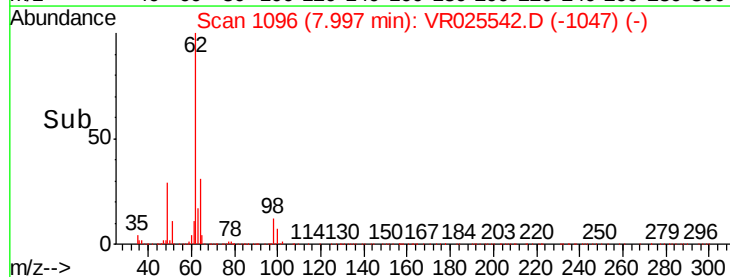
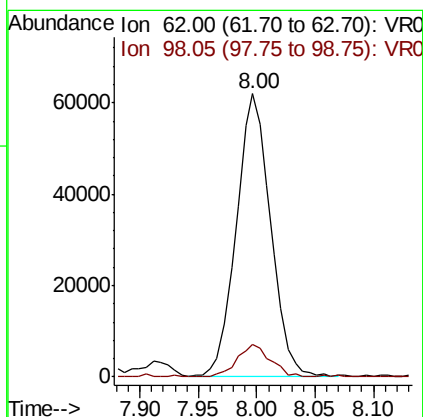
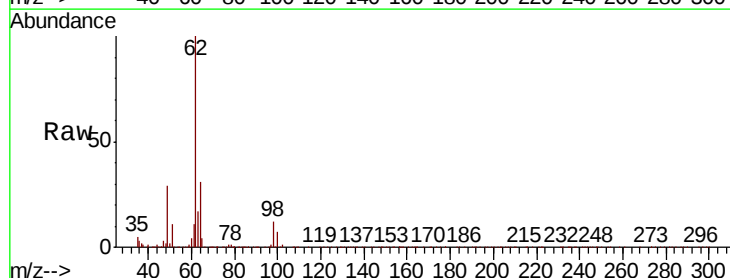
Acq: 30 Jul 2018 15:48

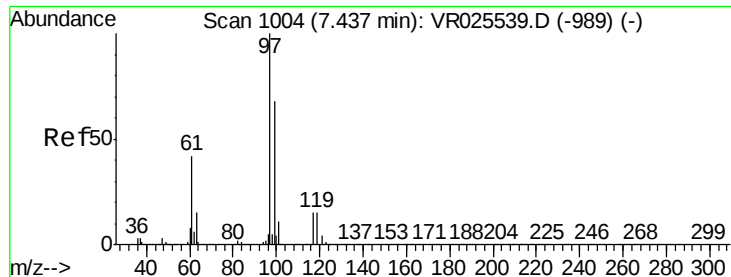
Tgt Ion: 62 Resp: 125630

Ion Ratio Lower Upper

62 100

98 11.6 6.6 9.8#

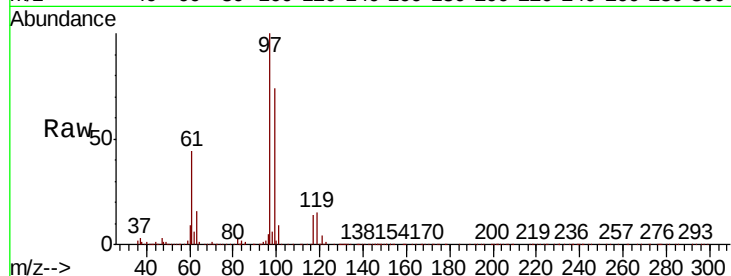




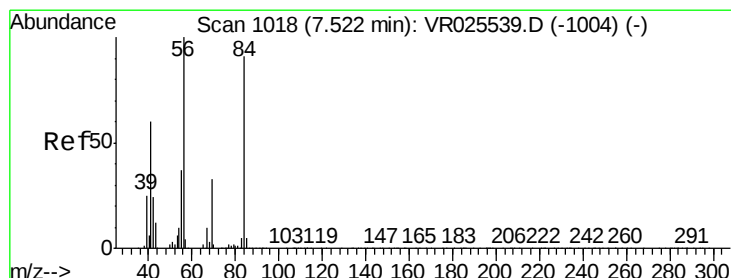
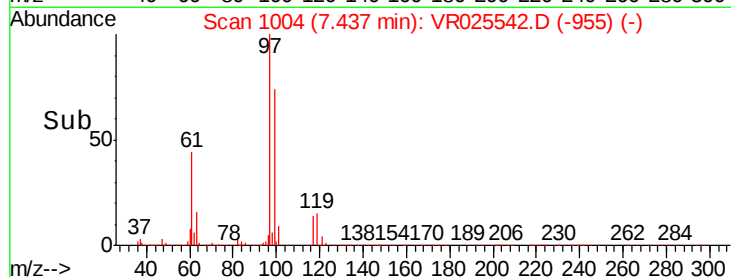
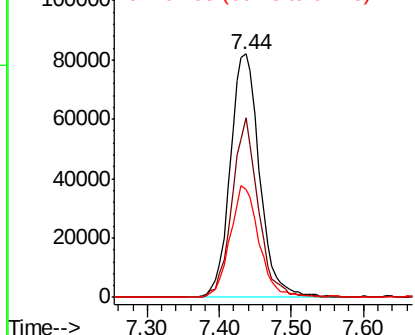
#29
 1,1,1-Trichloroethane
 Concen: 4.390 ug/L
 RT: 7.44 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

Instrument :
 MSVOA_R
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
99	66.2	52.1	78.1
61	45.3	35.3	52.9

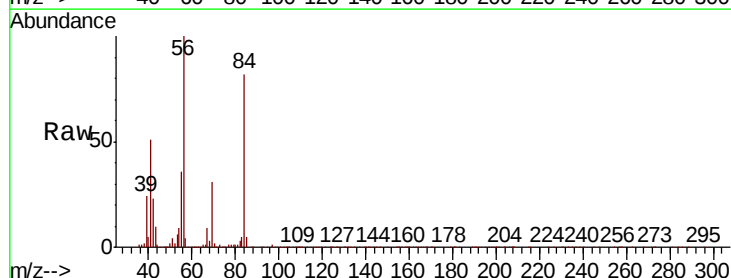


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

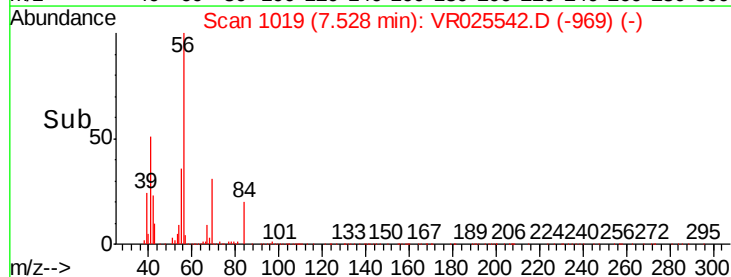
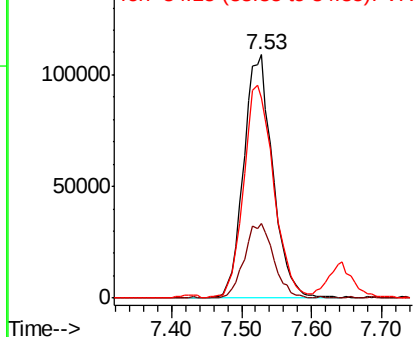


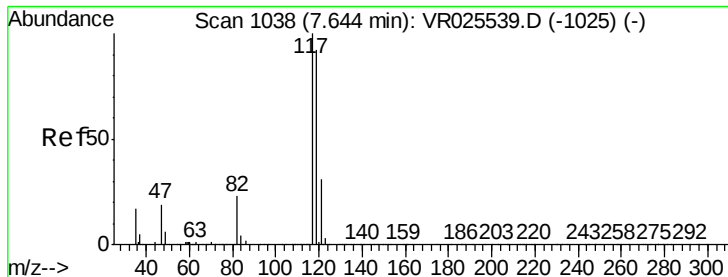
#30
 Cyclohexane
 Concen: 5.181 ug/L
 RT: 7.53 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.6	36.8
84	90.0	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: 4.646 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VR025542.D

Acq: 30 Jul 2018 15:48

Instrument :

MSVOA_R

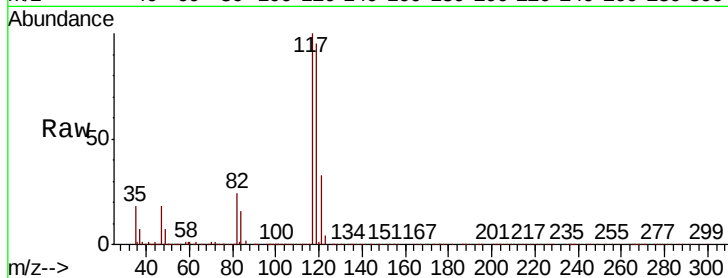
ClientSampleId :

Tot Ion:117 Resp: 252515

Ion Ratio Lower Upper

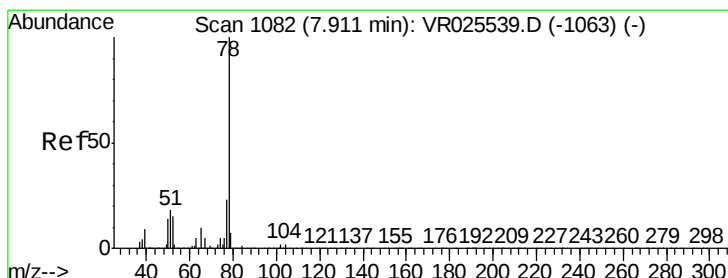
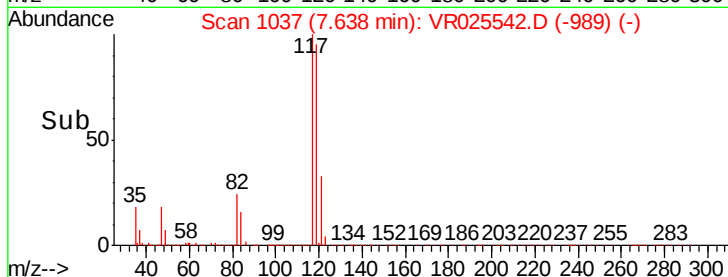
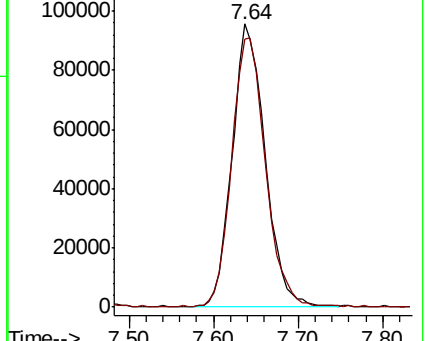
117 100

119 97.3 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: 4.587 ug/L

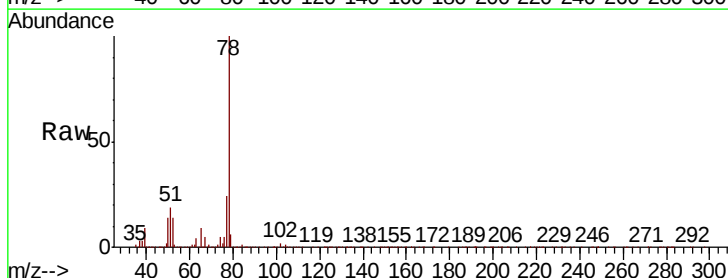
RT: 7.91 min Scan# 1082

Delta R.T. 0.00 min

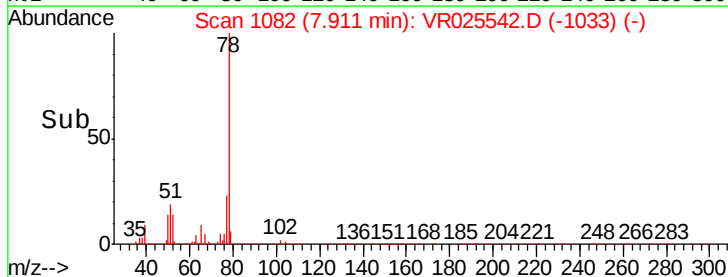
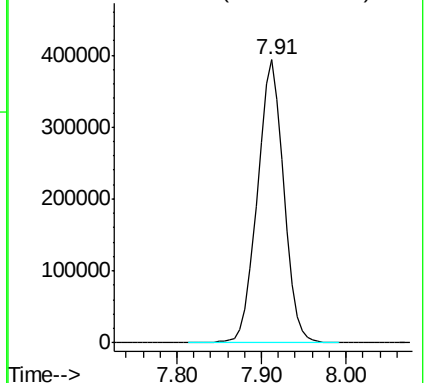
Lab File: VR025542.D

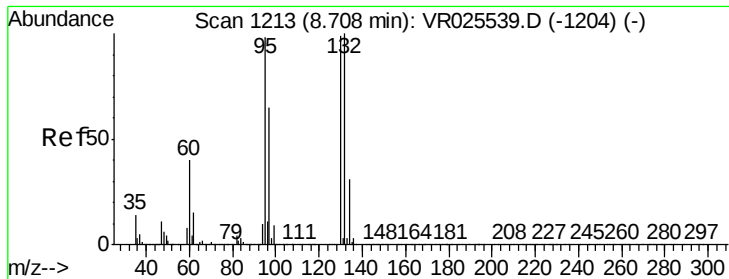
Acq: 30 Jul 2018 15:48

Tgt Ion: 78 Resp: 842582



Abundance Ion 78.10 (77.80 to 78.80): VR0

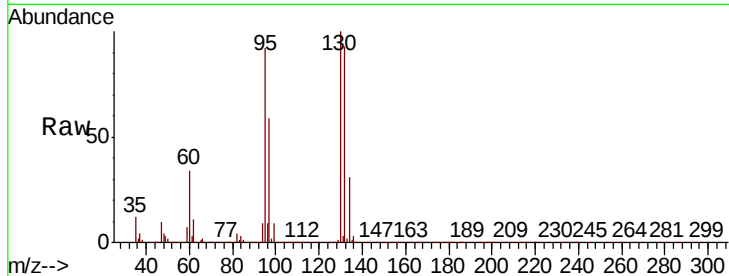




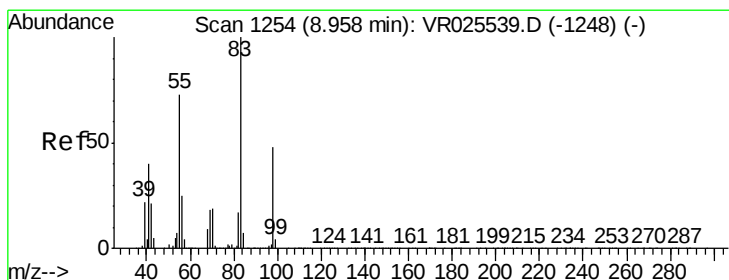
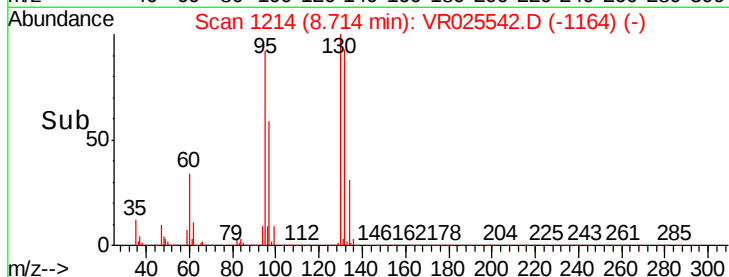
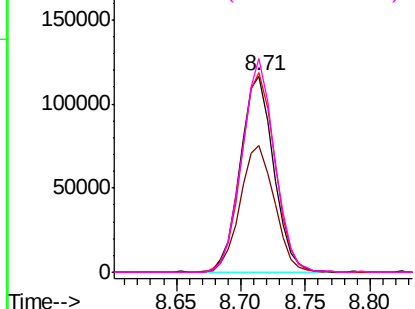
#34
 Trichloroethene
 Concen: 4.553 ug/L
 RT: 8.71 min Scan# 1214
 Delta R.T. 0.01 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	95	Resp:	207987
Ion	Ratio	Lower	Upper
95	100		
97	64.6	46.7	86.7
132	101.7	71.7	133.1
130	108.9	71.3	132.3

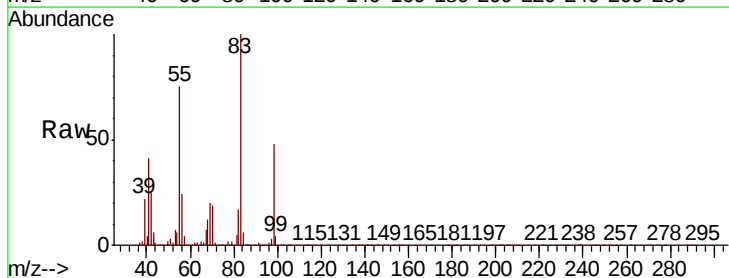


Abundance Ion 95.00 (94.70 to 95.70): VR0
 Ion 96.95 (96.65 to 97.65): VR0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

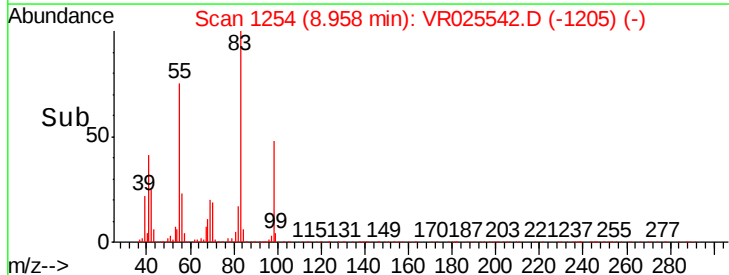
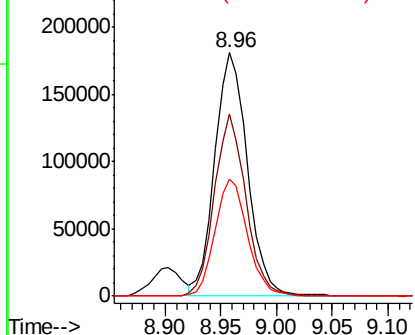


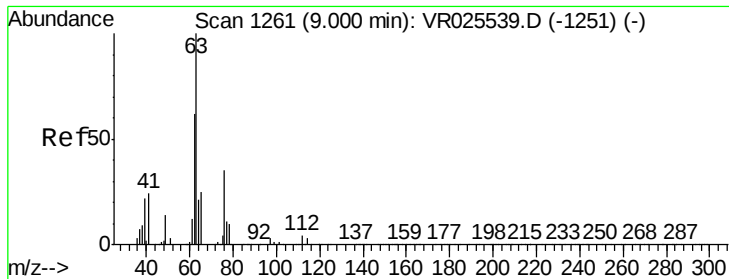
#35
 Methylcyclohexane
 Concen: 5.330 ug/L
 RT: 8.96 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

Tgt Ion:	83	Resp:	366171
Ion	Ratio	Lower	Upper
83	100		
55	72.4	58.3	87.5
98	48.3	37.8	56.6



Abundance Ion 83.15 (82.85 to 83.85): VR0
 Ion 55.10 (54.80 to 55.80): VR0
 Ion 98.15 (97.85 to 98.85): VR0

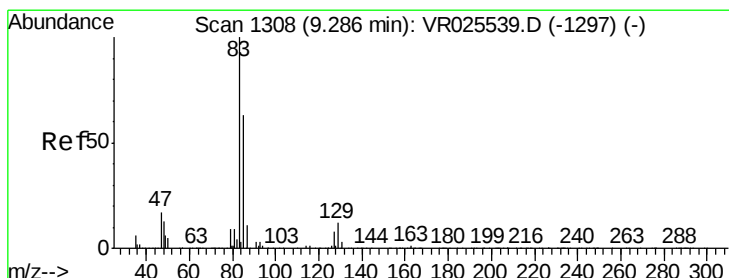
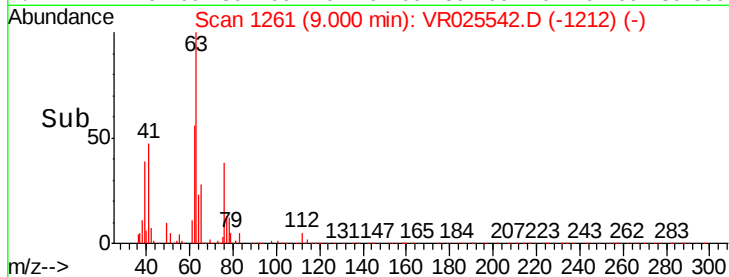
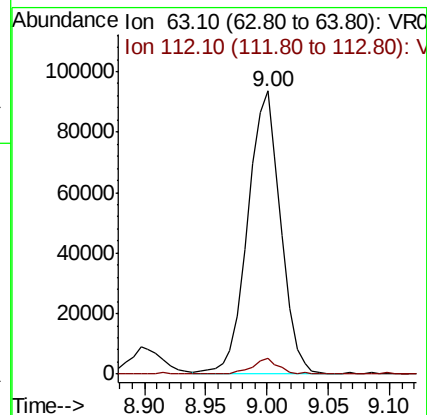
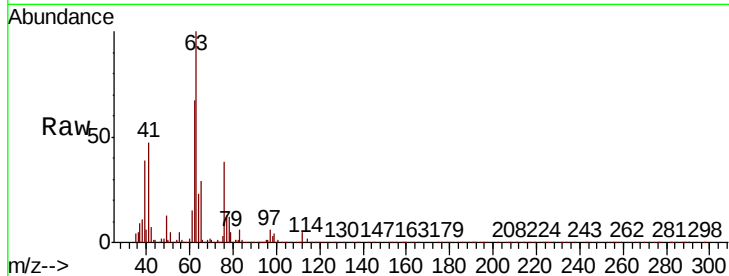




#37
 1,2-Dichloropropane
 Concen: 4.515 ug/L
 RT: 9.00 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

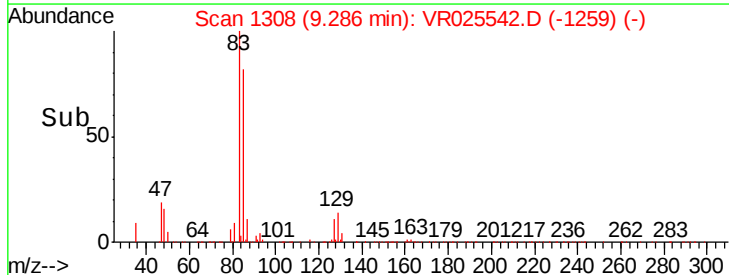
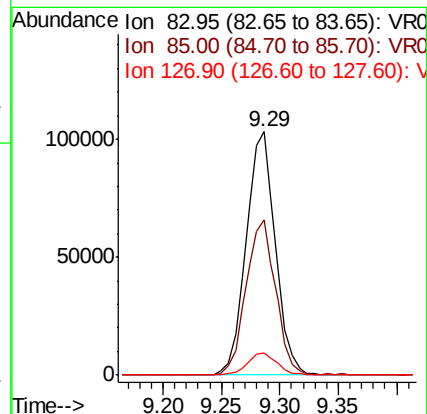
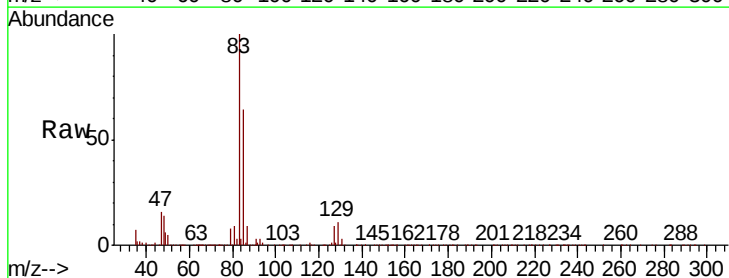
Instrument :
 MSVOA_R
 ClientSampled :

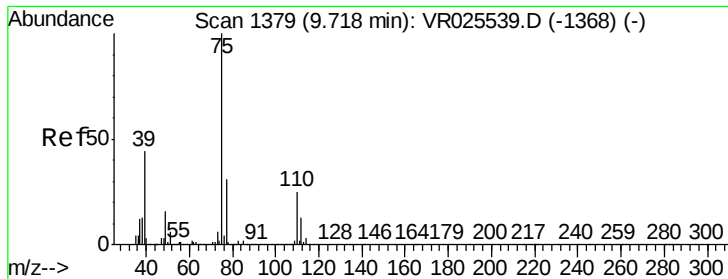
Tot Ion: 63 Resp: 174582
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.3 4.9



#38
 Bromodichloromethane
 Concen: 4.570 ug/L
 RT: 9.29 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

Tgt Ion: 83 Resp: 180534
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.0 81.6
 127 8.9 6.7 10.1

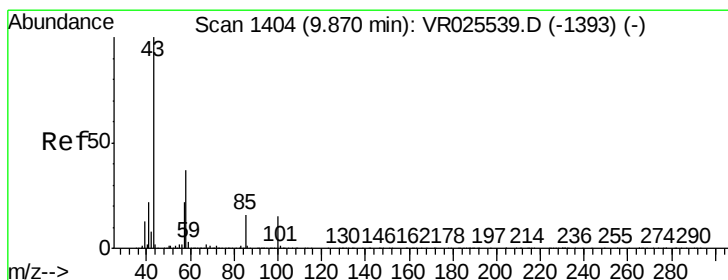
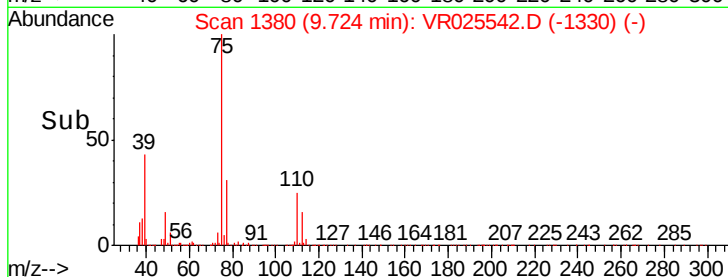
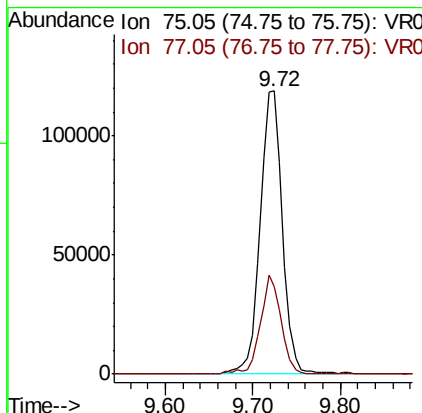
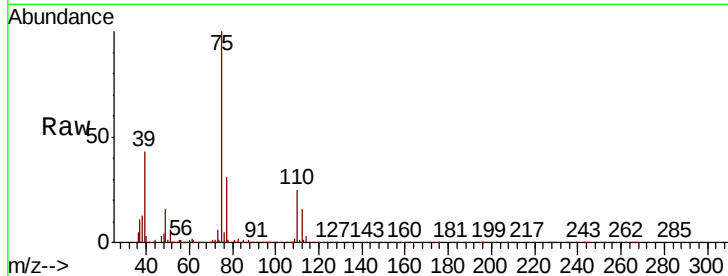




#39
 cis-1,3-Dichloropropene
 Concen: 4.912 ug/L
 RT: 9.72 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

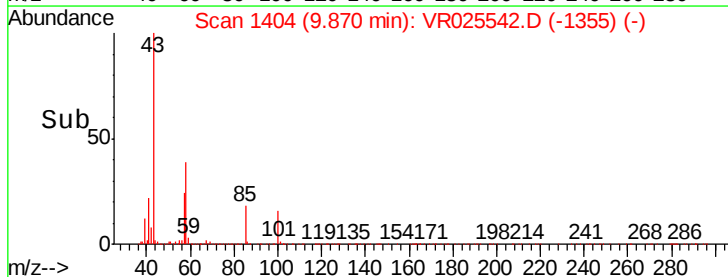
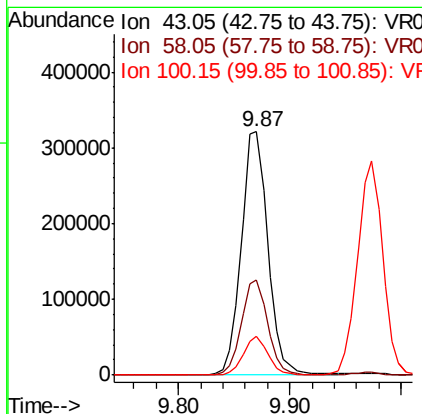
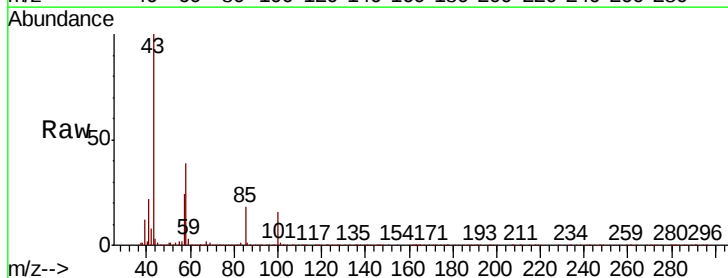
Instrument :
 MSVOA_R
 ClientSampleId :

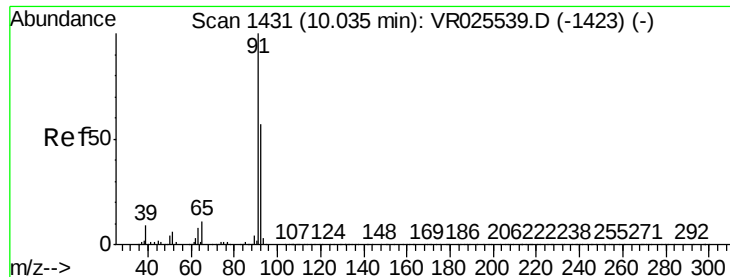
Tot Ion: 75 Resp: 209693
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 49.063 ug/L
 RT: 9.87 min Scan# 1404
 Delta R.T. 0.00 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

Tgt Ion: 43 Resp: 534603
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.0 46.6
 100 14.9 11.9 17.9





#42

Toluene

Concen: 4.858 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025542.D

Acq: 30 Jul 2018 15:48

Instrument :

MSVOA_R

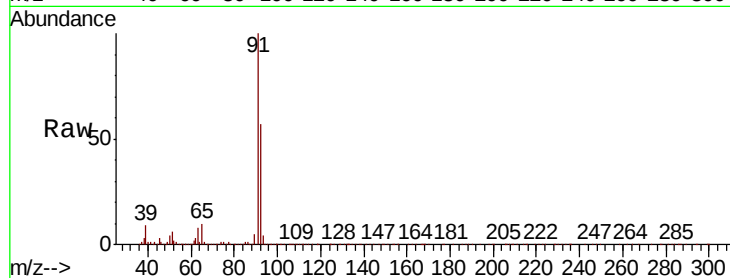
ClientSampleId :

Tot Ion: 91 Resp: 950341

Ion Ratio Lower Upper

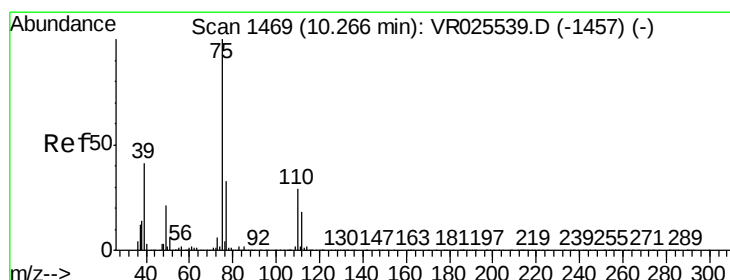
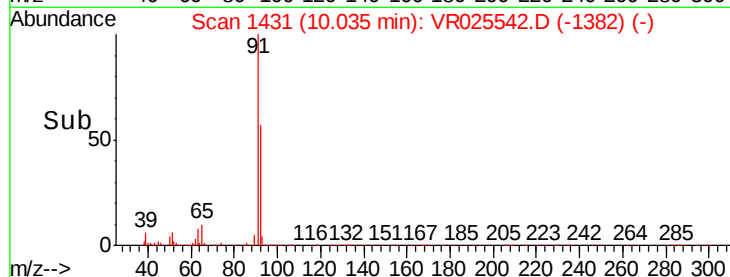
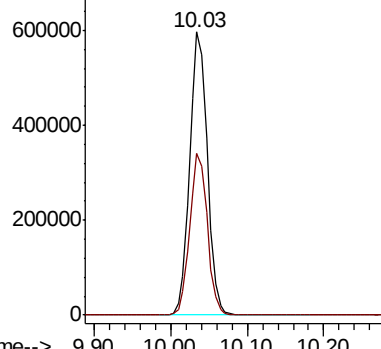
91 100

92 57.2 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0



#44

trans-1,3-Dichloropropene

Concen: 4.820 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025542.D

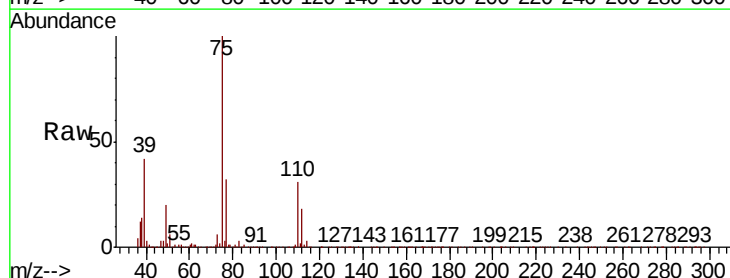
Acq: 30 Jul 2018 15:48

Tgt Ion: 75 Resp: 143663

Ion Ratio Lower Upper

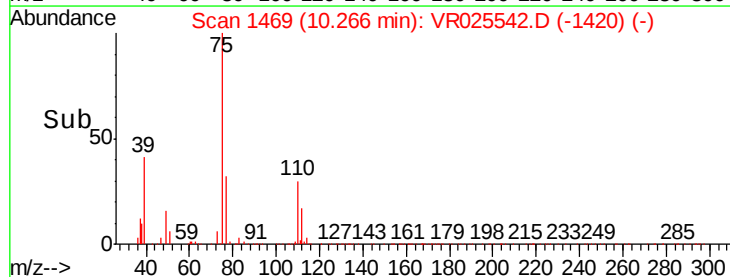
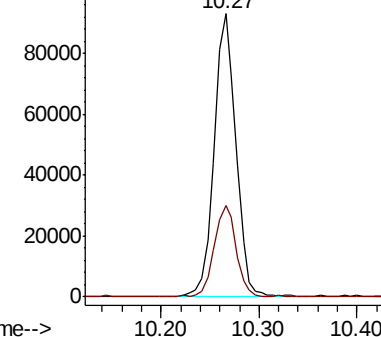
75 100

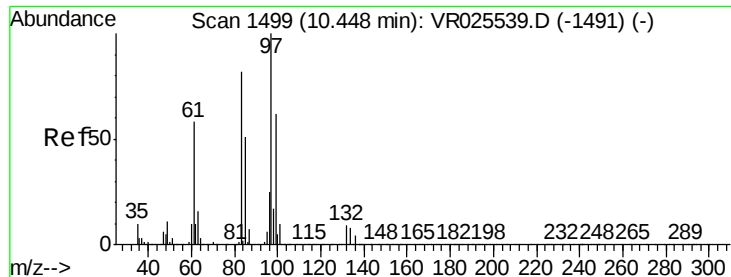
77 32.1 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

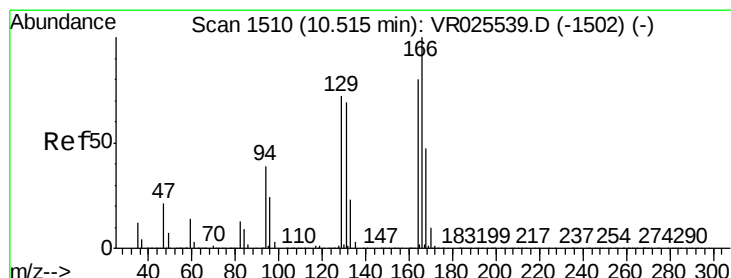
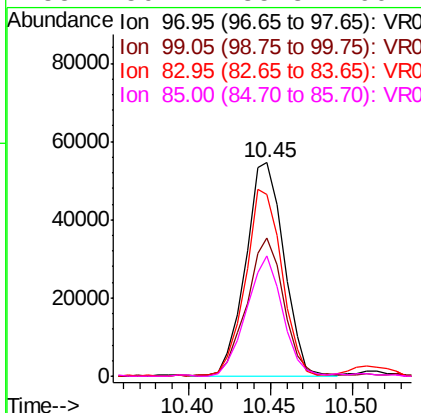
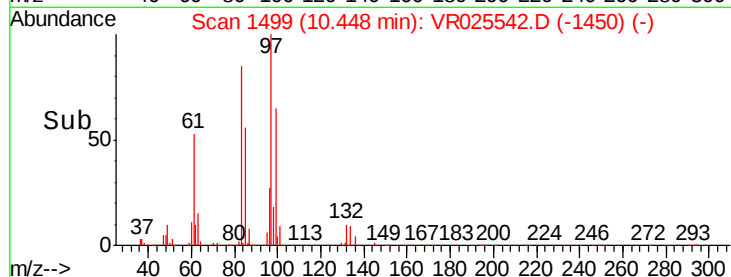
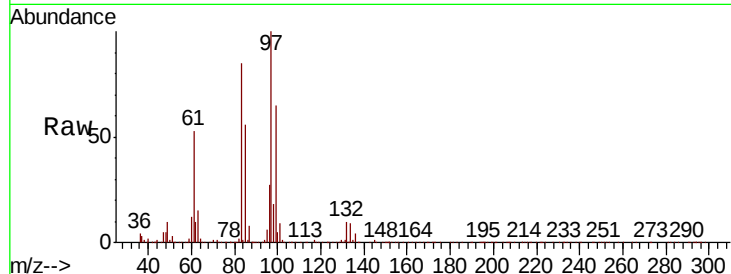




#45
 1,1,2-Trichloroethane
 Concen: 4.598 ug/L
 RT: 10.45 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

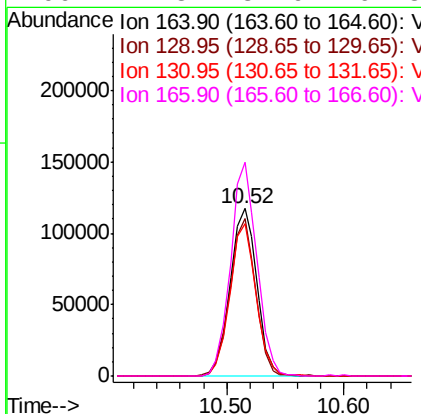
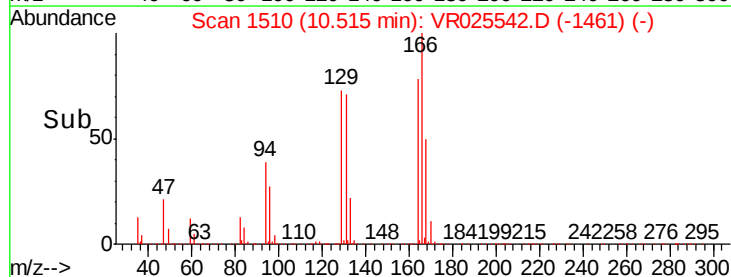
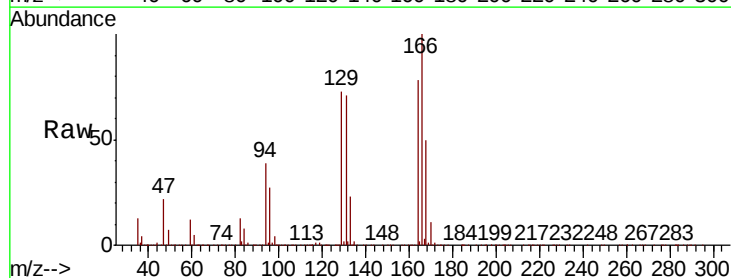
Instrument :
 MSVOA_R
 ClientSampleId :

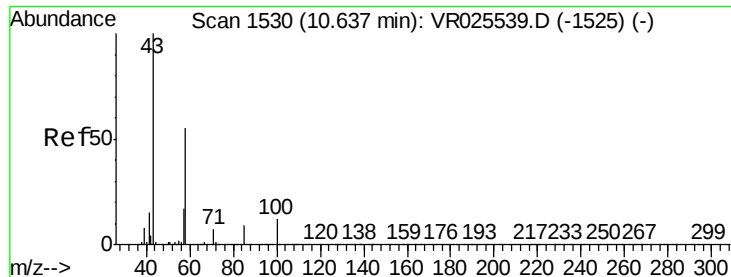
Tot Ion: 97	Resp: 88543
Ion Ratio	Lower Upper
97 100	
99 64.9	43.4 80.6
83 85.1	57.3 106.5
85 56.2	35.8 66.4



#47
 Tetrachloroethene
 Concen: 4.766 ug/L
 RT: 10.52 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

Tgt	Ion:164	Resp:	186310
Ion	Ratio	Lower	Upper
164	100		
129	93.8	63.0	117.0
131	91.2	60.6	112.6
166	127.8	87.6	162.8

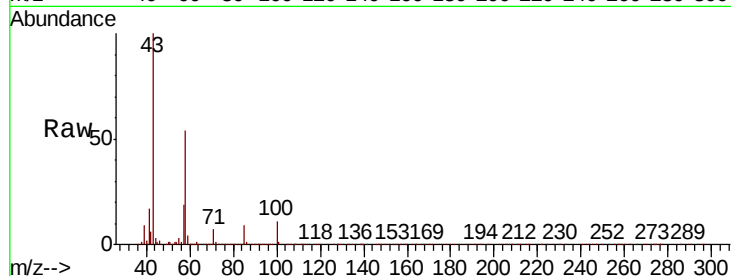




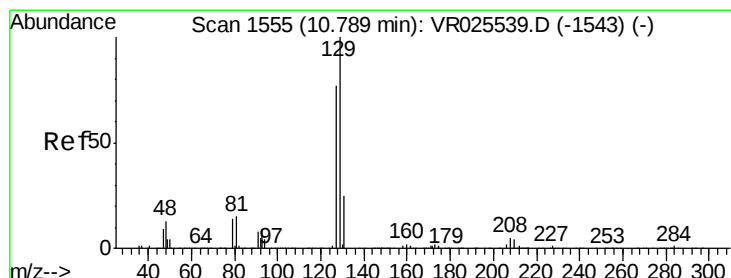
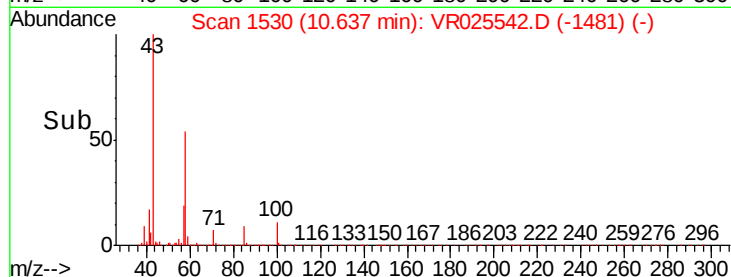
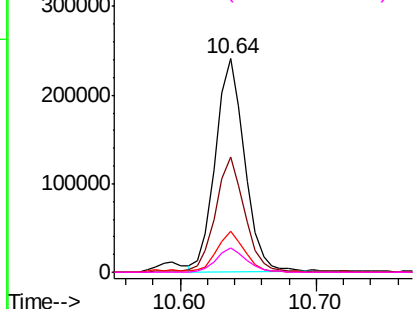
#48
2-Hexanone
Concen: 48.864 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VR025542.D
Acq: 30 Jul 2018 15:48

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 359063
Ion Ratio Lower Upper
43 100
58 55.0 45.0 67.6
57 18.1 15.8 23.6
100 11.0 9.3 13.9

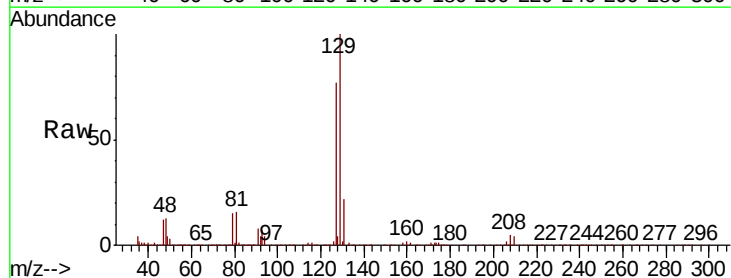


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

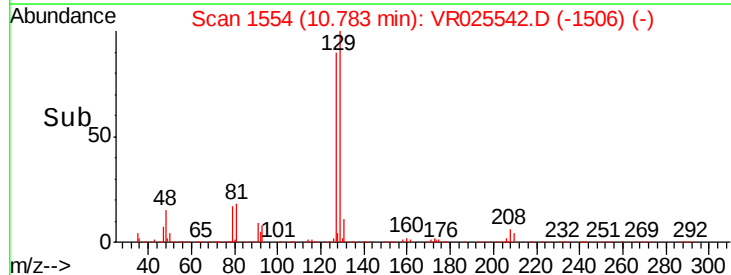
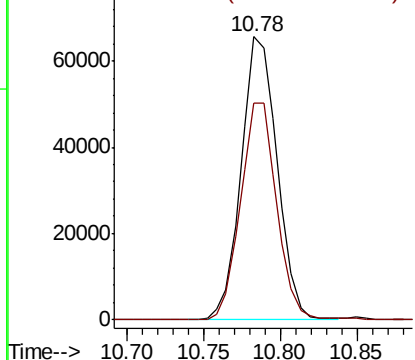


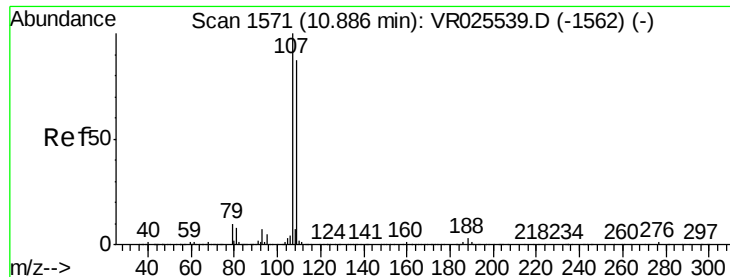
#49
Dibromochloromethane
Concen: 4.706 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VR025542.D
Acq: 30 Jul 2018 15:48

Tgt Ion: 129 Resp: 106917
Ion Ratio Lower Upper
129 100
127 76.6 54.3 100.9



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

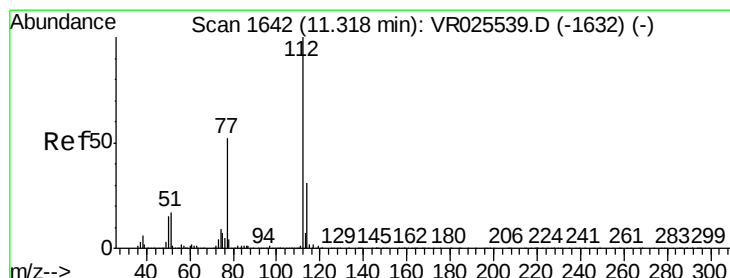
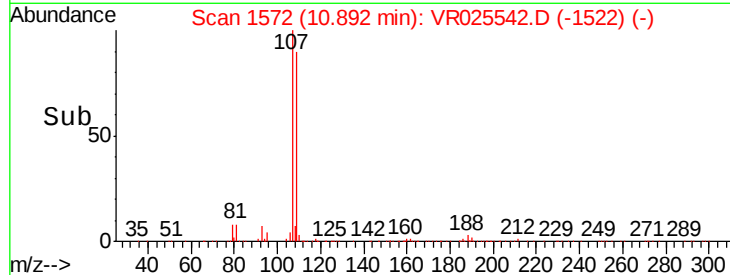
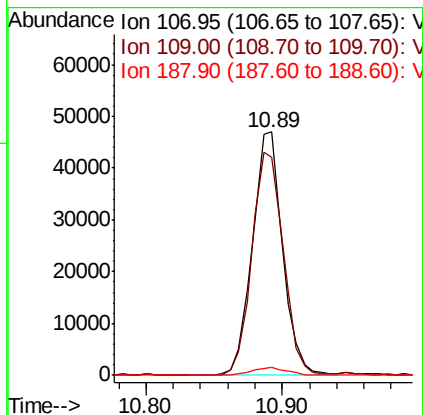
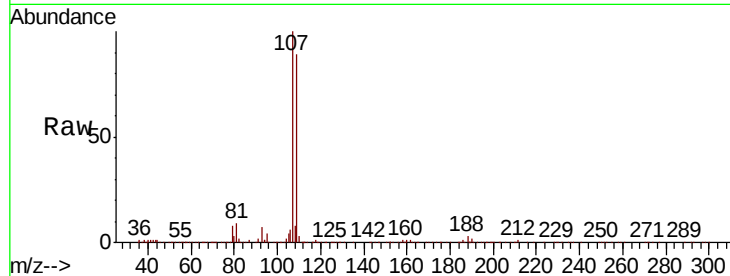




#50
 1,2-Dibromoethane
 Concen: 4.570 ug/L
 RT: 10.89 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

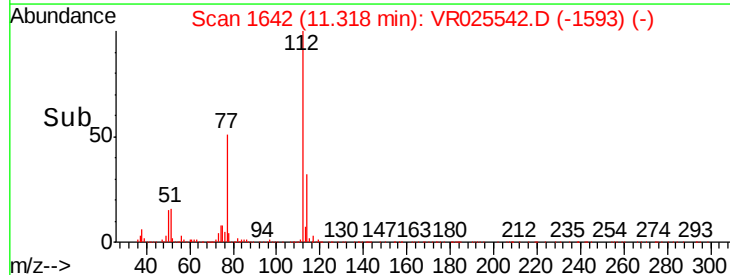
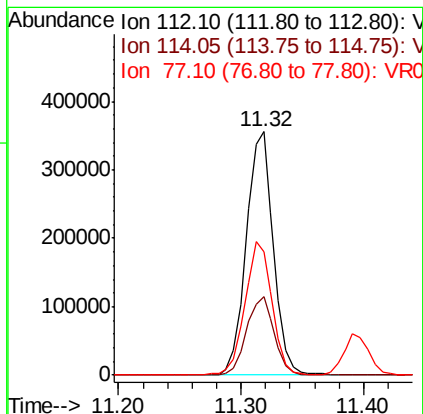
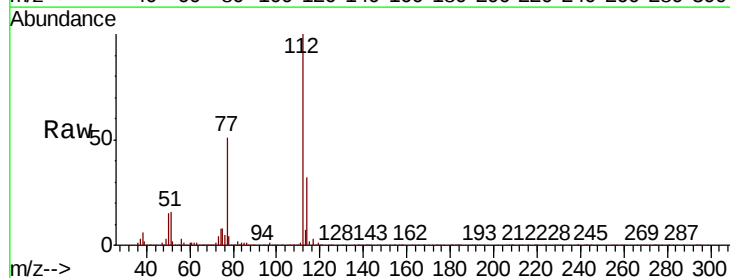
Instrument :
 MSVOA_R
 ClientSampleId :

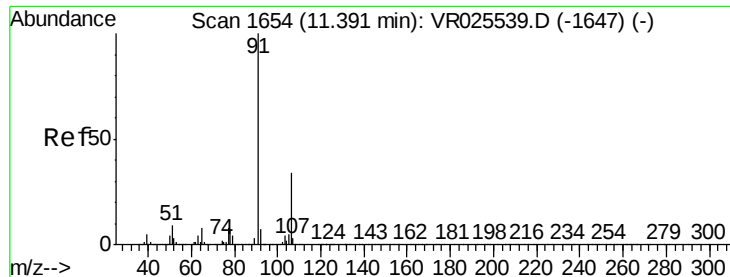
Tot Ion:107 Resp: 73426
 Ion Ratio Lower Upper
 107 100
 109 89.4 60.6 112.6
 188 3.5 2.4 3.6



#51
 Chlorobenzene
 Concen: 4.611 ug/L
 RT: 11.32 min Scan# 1642
 Delta R.T. 0.00 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

Tgt Ion:112 Resp: 545494
 Ion Ratio Lower Upper
 112 100
 114 32.0 21.8 40.4
 77 50.6 41.8 62.8





#52

Ethylbenzene

Concen: 4.856 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025542.D

Acq: 30 Jul 2018 15:48

Instrument :

MSVOA_R

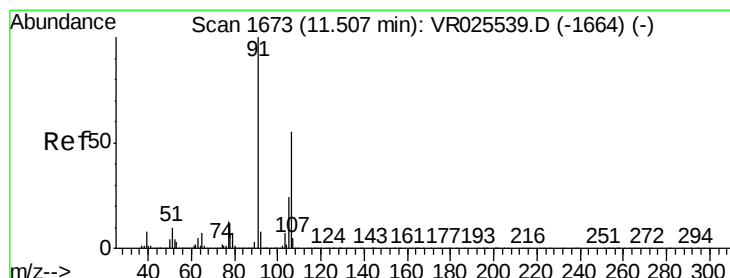
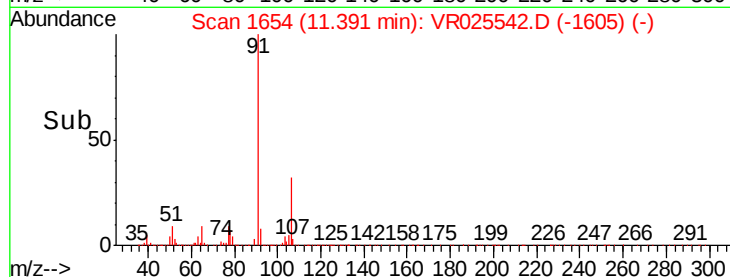
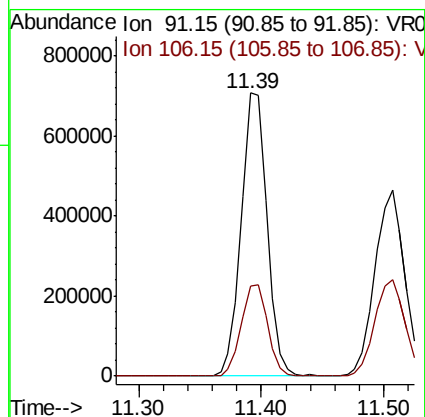
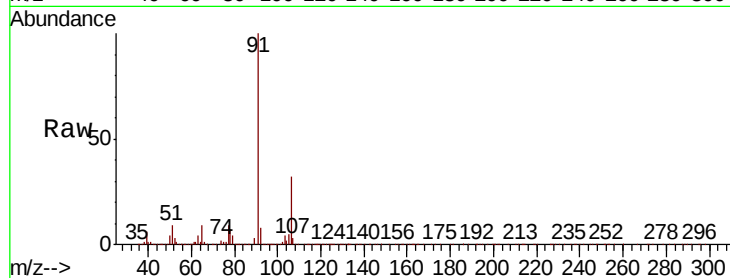
ClientSampleId :

Tot Ion: 91 Resp: 1032875

Ion Ratio Lower Upper

91 100

106 31.9 23.6 43.8



#53

m,p-Xylene

Concen: 5.023 ug/L

RT: 11.51 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VR025542.D

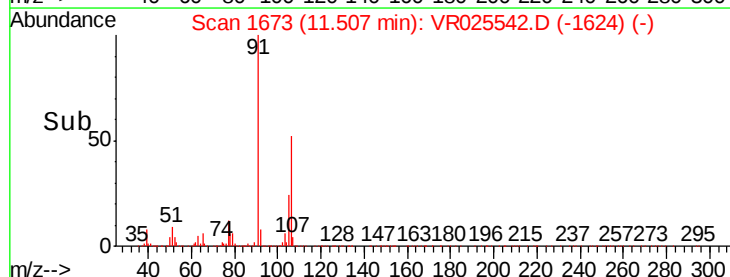
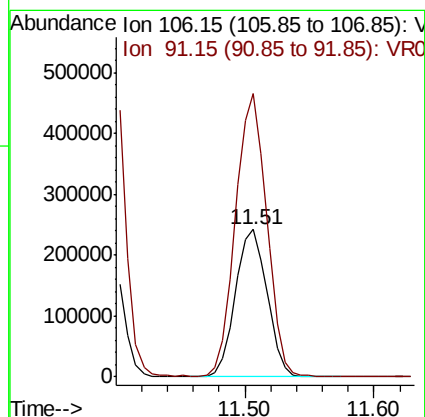
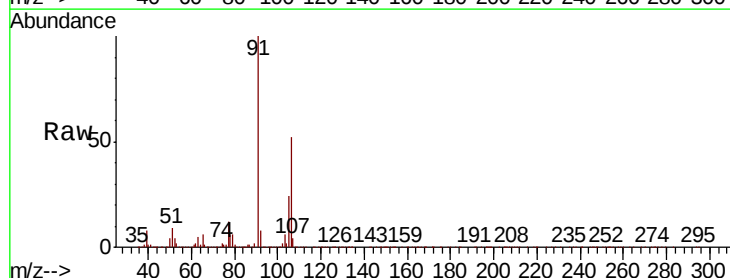
Acq: 30 Jul 2018 15:48

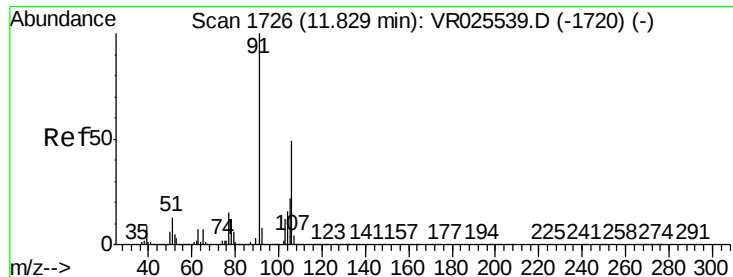
Tgt Ion: 106 Resp: 413381

Ion Ratio Lower Upper

106 100

91 192.3 128.2 238.0

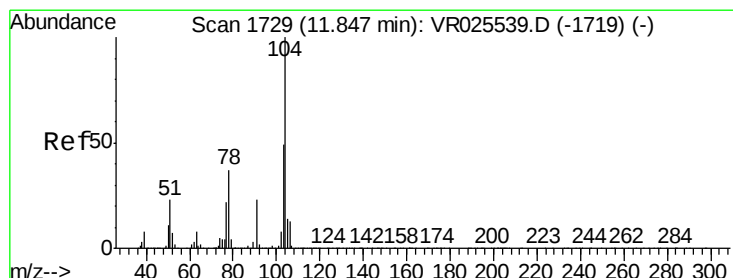
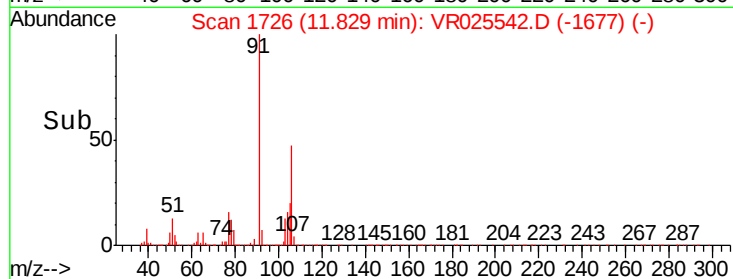
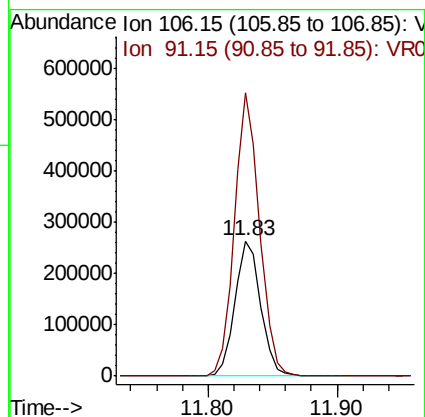
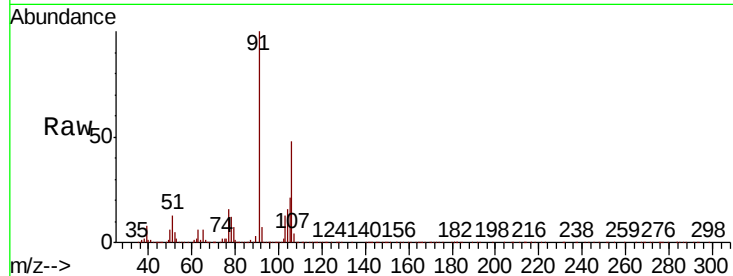




#54
o-Xylene
Concen: 4.878 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025542.D
Acq: 30 Jul 2018 15:48

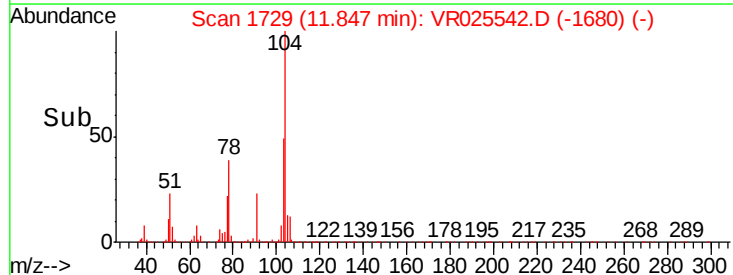
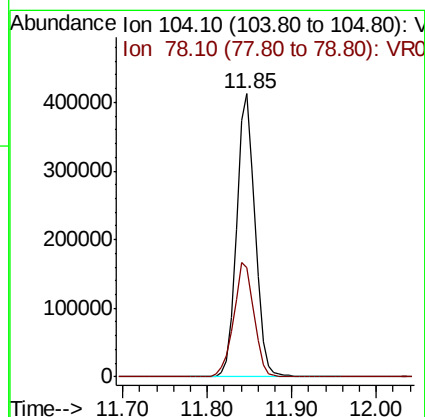
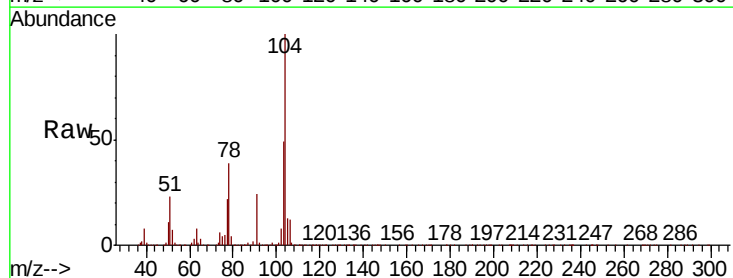
Instrument :
MSVOA_R
ClientSampled :

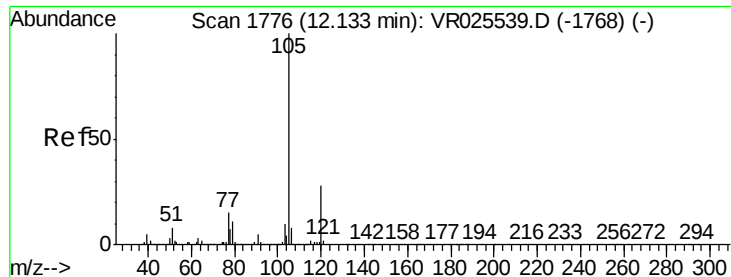
Tot Ion:106 Resp: 368527
Ion Ratio Lower Upper
106 100
91 208.9 143.0 265.6



#55
Styrene
Concen: 5.015 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025542.D
Acq: 30 Jul 2018 15:48

Tgt Ion:104 Resp: 603649
Ion Ratio Lower Upper
104 100
78 38.7 26.0 48.2





#56

Isopropylbenzene

Concen: 5.099 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VR025542.D

Acq: 30 Jul 2018 15:48

Instrument :

MSVOA_R

ClientSampled :

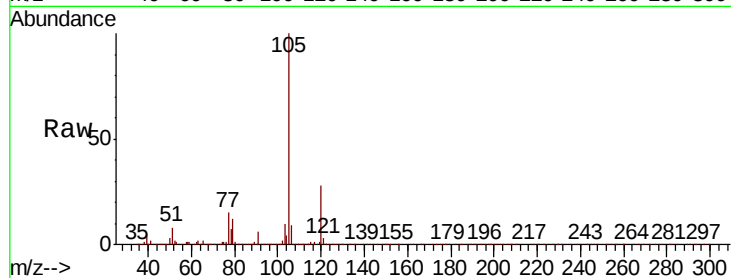
Tot Ion:105 Resp: 1013310

Ion Ratio Lower Upper

105 100

120 28.0 22.5 33.7

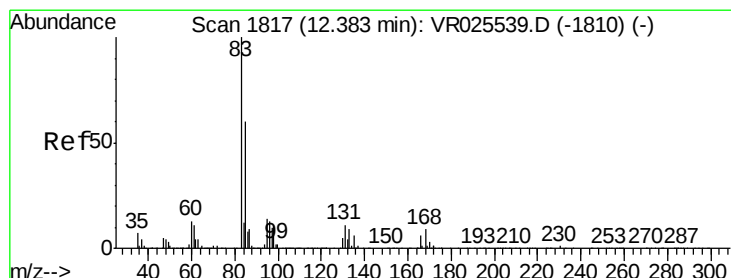
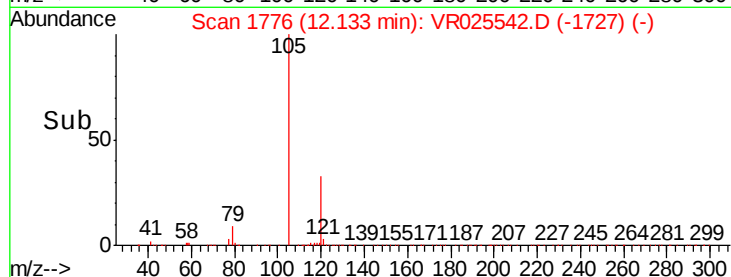
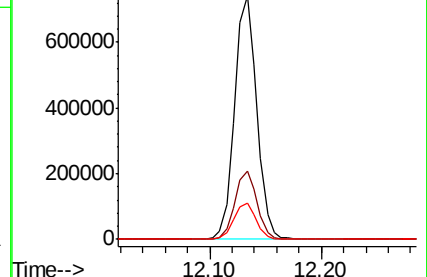
77 14.8 11.8 17.6



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: 4.537 ug/L

RT: 12.39 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VR025542.D

Acq: 30 Jul 2018 15:48

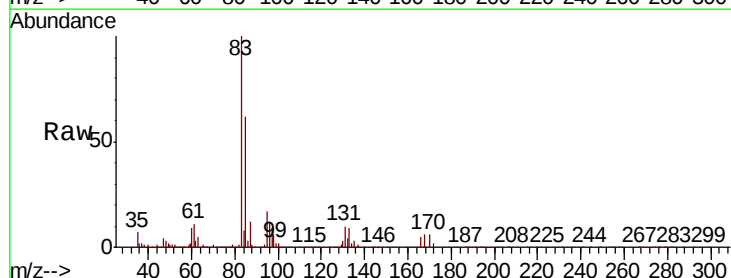
Tgt Ion: 83 Resp: 82797

Ion Ratio Lower Upper

83 100

85 61.6 42.5 78.9

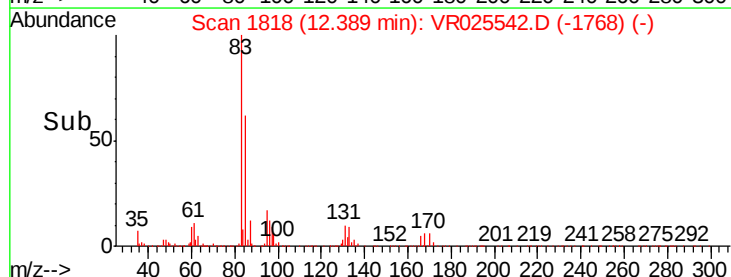
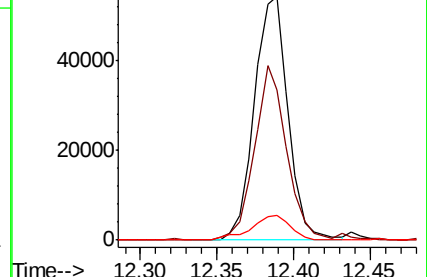
131 10.4 8.6 13.0

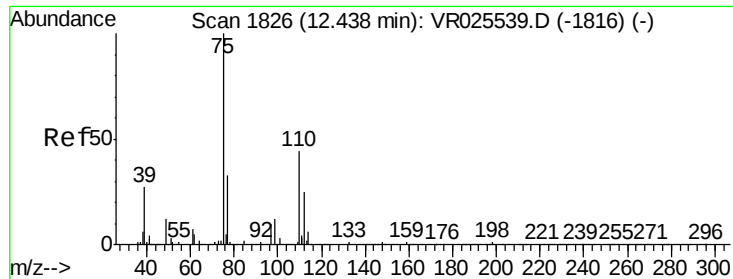


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

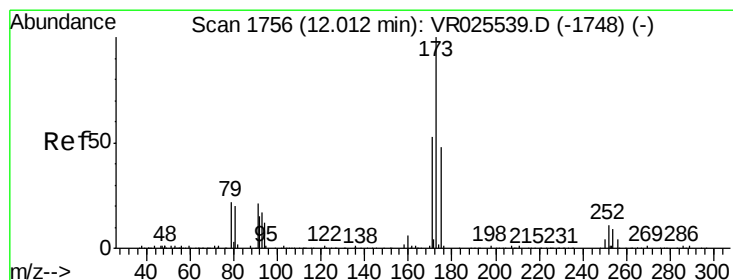
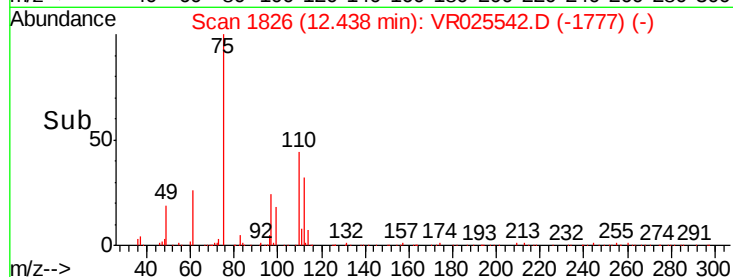
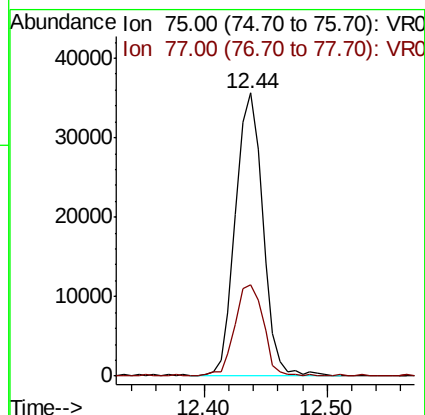
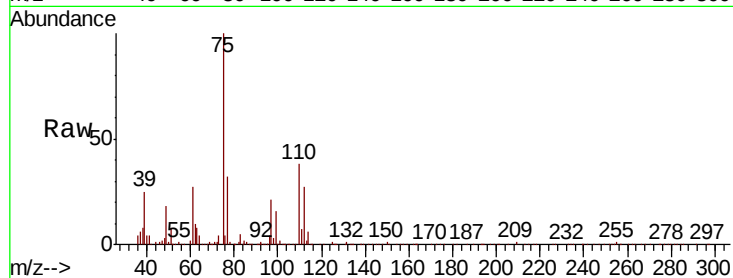




#59
 1,2,3-Trichloropropane
 Concen: 4.536 ug/L
 RT: 12.44 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

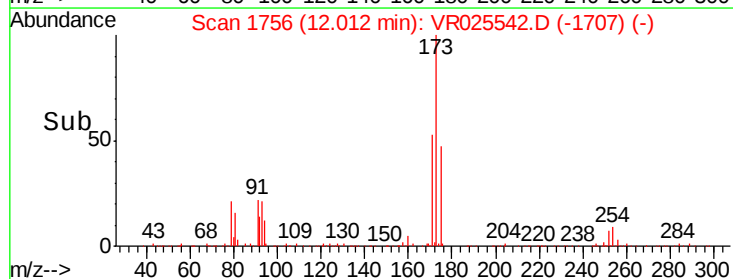
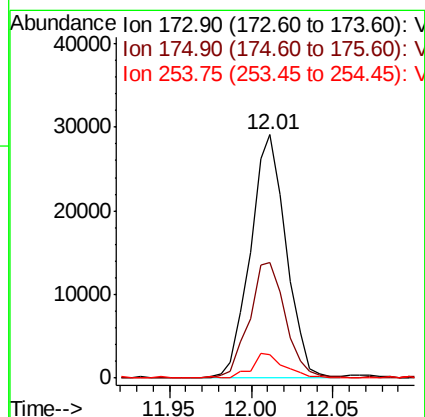
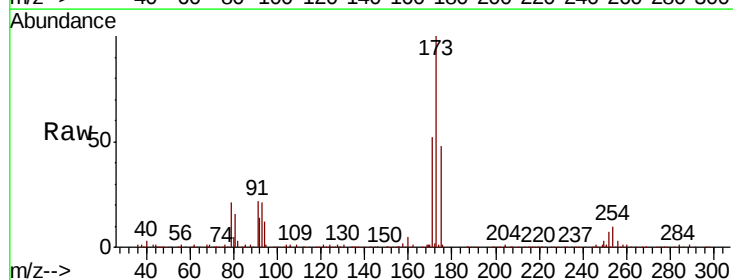
Instrument :
 MSVOA_R
 ClientSampleId :

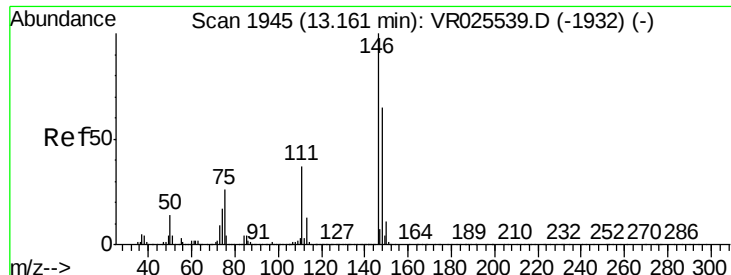
Tot Ion: 75 Resp: 55296
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.7 37.1



#61
 Bromoform
 Concen: 4.175 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

Tgt Ion: 173 Resp: 44530
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.3 58.9
 254 9.4 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 4.740 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VR025542.D

Acq: 30 Jul 2018 15:48

Instrument :

MSVOA_R

ClientSampleId :

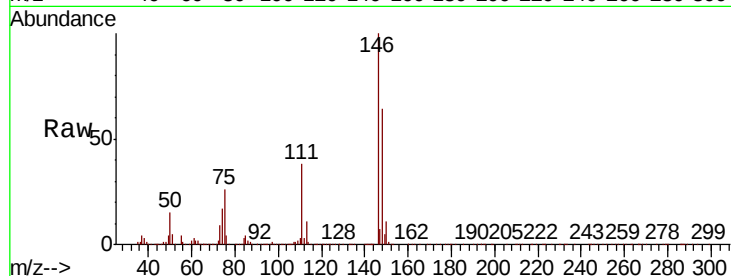
Tot Ion:146 Resp: 367064

Ion Ratio Lower Upper

146 100

111 38.3 26.2 48.6

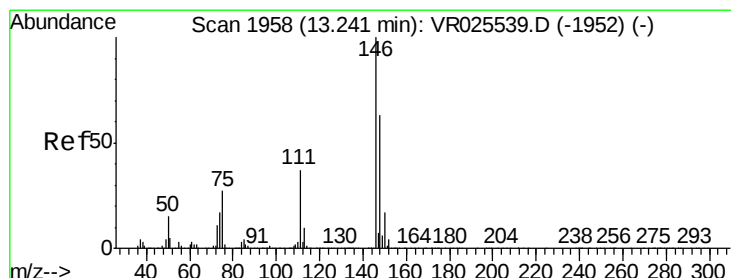
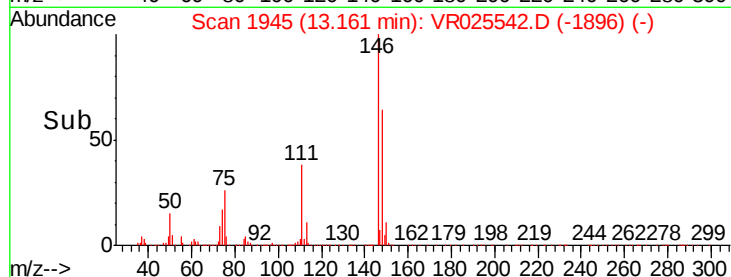
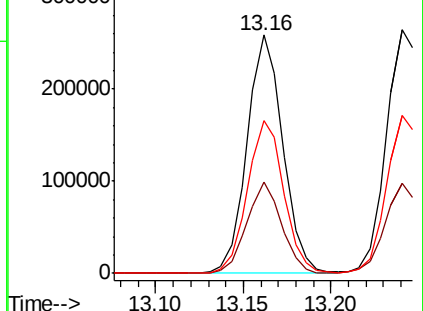
148 64.0 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.658 ug/L

RT: 13.24 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VR025542.D

Acq: 30 Jul 2018 15:48

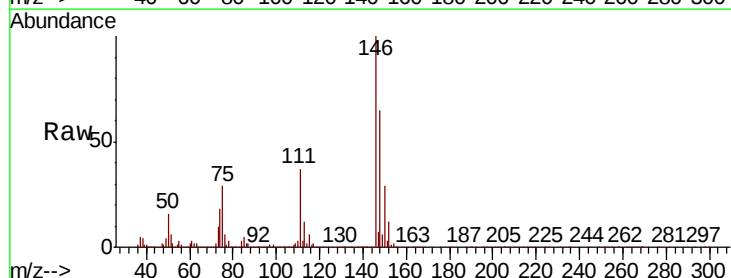
Tgt Ion:146 Resp: 391497

Ion Ratio Lower Upper

146 100

111 37.2 25.6 47.6

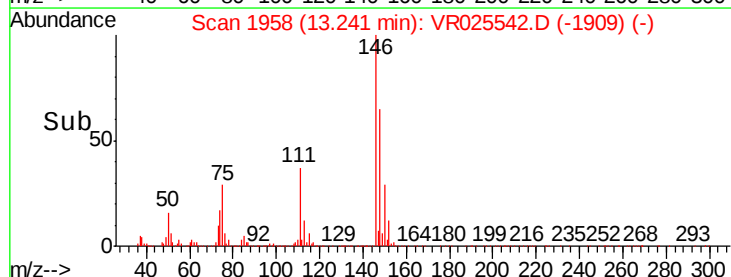
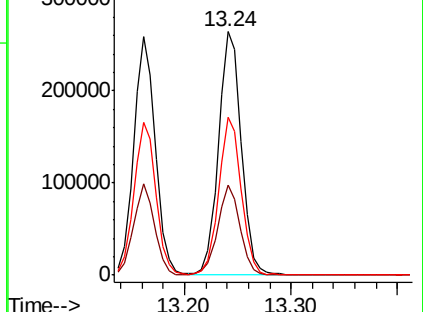
148 64.8 44.2 82.0

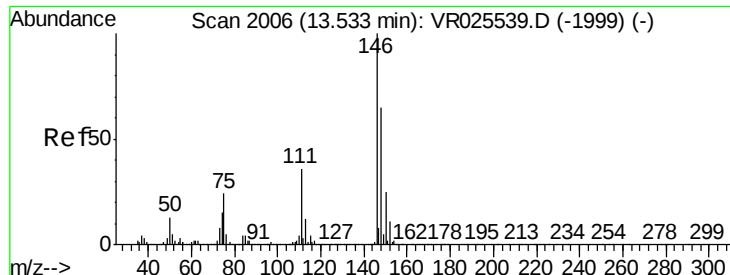


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

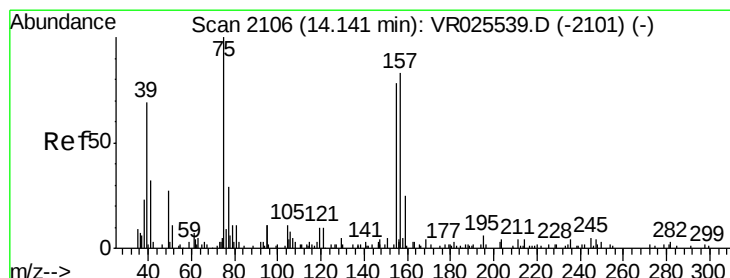
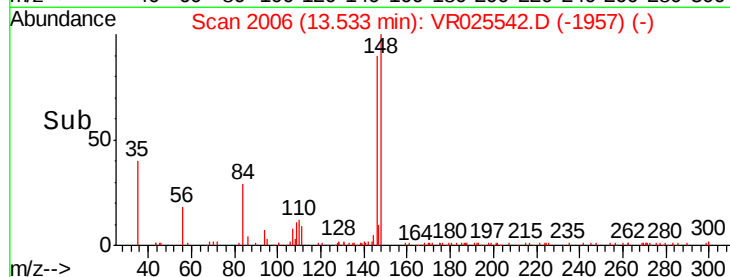
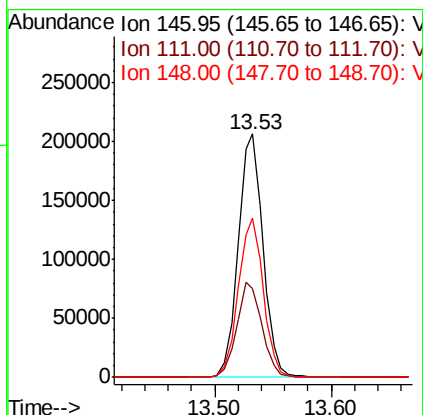
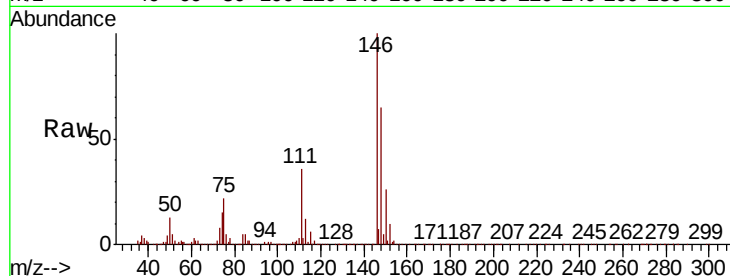




#65
1,2-Dichlorobenzene
Concen: 4.574 ug/L
RT: 13.53 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VR025542.D
Acq: 30 Jul 2018 15:48

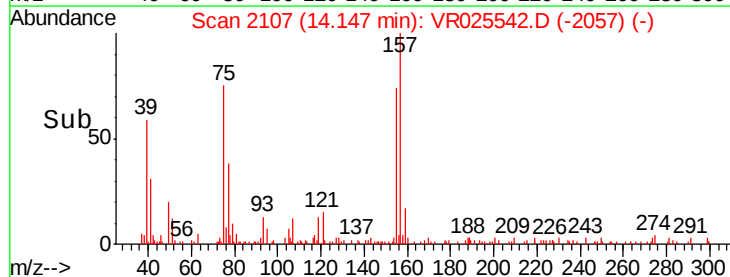
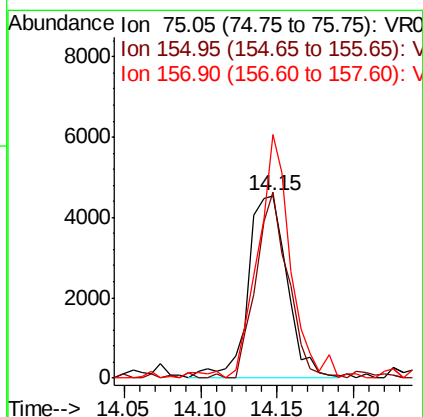
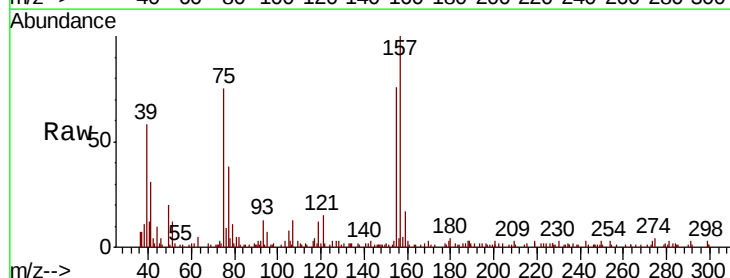
Instrument :
MSVOA_R
ClientSampleId :

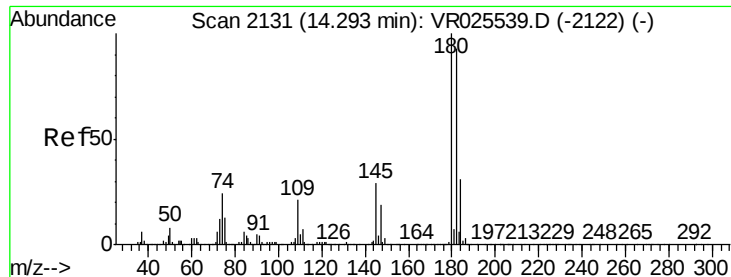
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	28.9	43.3
148	65.1	52.1	78.1



#66
1,2-Dibromo-3-chloropropane
Concen: 3.912 ug/L
RT: 14.15 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VR025542.D
Acq: 30 Jul 2018 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.8	62.3	93.5#
157	133.7	67.7	101.5#

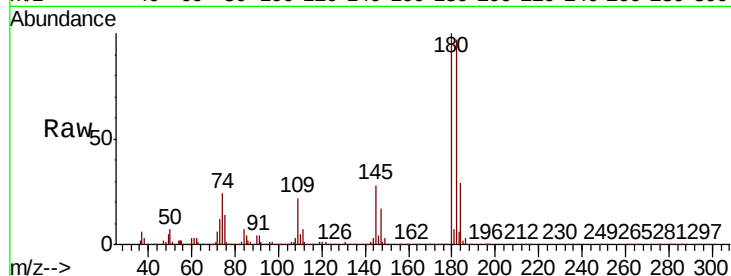




#67
 1,3,5-Trichlorobenzene
 Concen: 4.839 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

Instrument :
 MSVOA_R
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.0	112.4
184	30.1	24.1	36.1
145	28.8	24.1	36.1



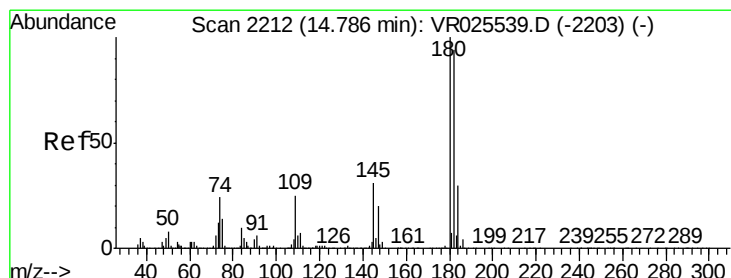
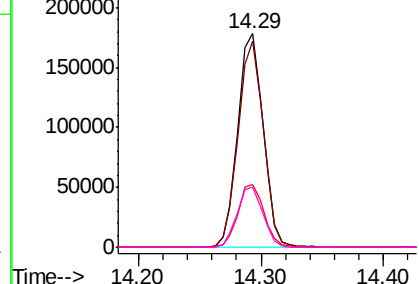
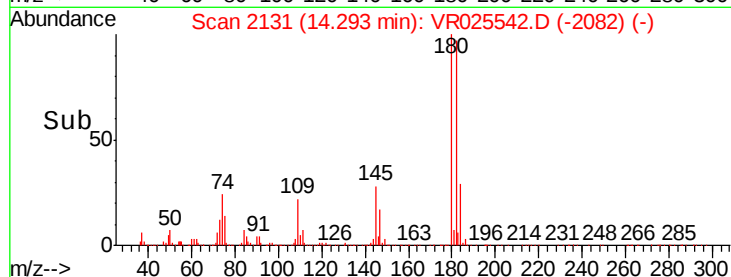
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

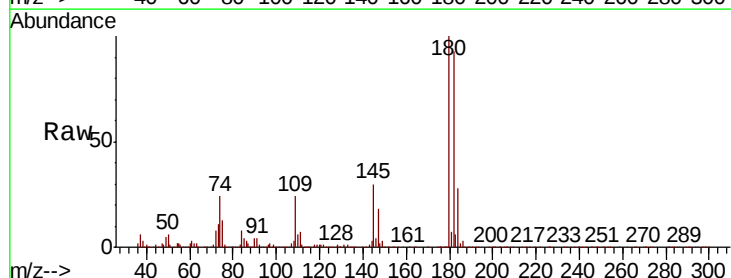
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.850 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025542.D
 Acq: 30 Jul 2018 15:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.8	115.2
145	30.5	24.0	36.0

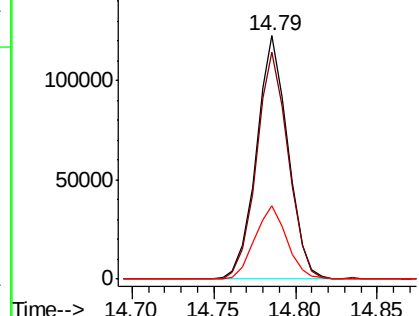
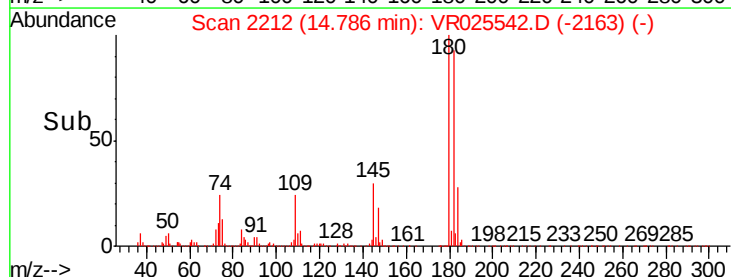


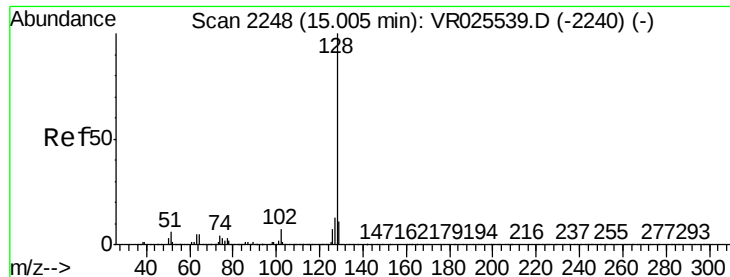
Abundance

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: 4.768 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.00 min

Lab File: VR025542.D

Acq: 30 Jul 2018 15:48

Instrument :

MSVOA_R

ClientSampleId :

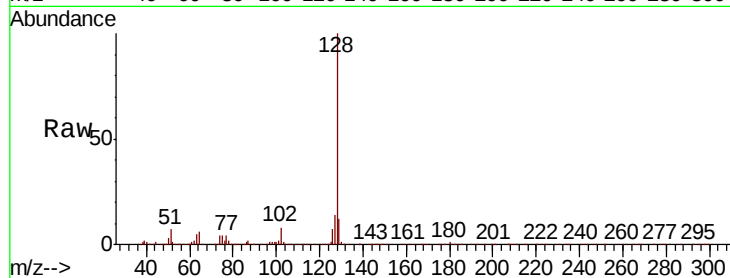
Tot Ion:128 Resp: 184249

Ion Ratio Lower Upper

128 100

127 12.6 11.1 16.7

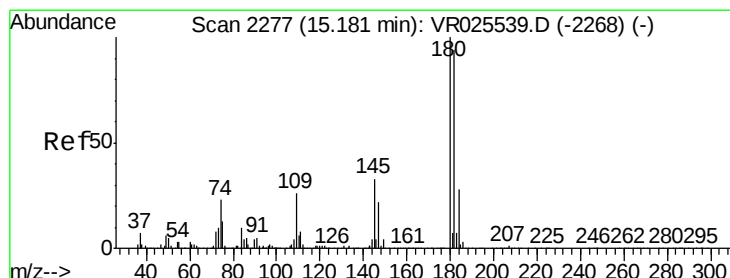
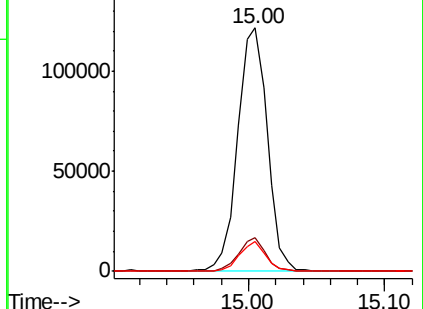
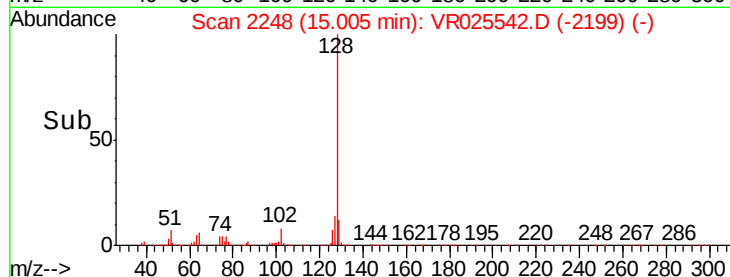
129 11.4 8.9 13.3



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



#70

1,2,3-Trichlorobenzene

Concen: 4.819 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025542.D

Acq: 30 Jul 2018 15:48

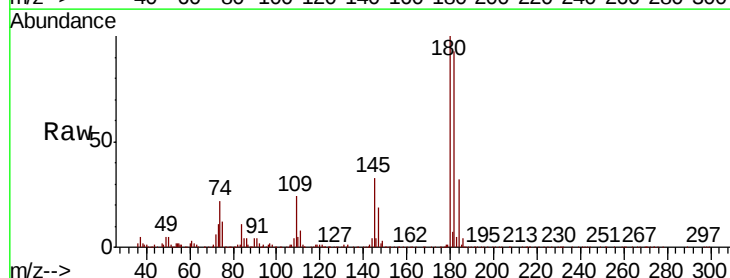
Tgt Ion:180 Resp: 125351

Ion Ratio Lower Upper

180 100

182 93.5 75.6 113.4

145 30.9 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

