

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\
 Data File : VW009491.D
 Acq On : 27 Mar 2019 04:11
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 27 09:29:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 08:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	362241	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	357662	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	183308	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	91149	21.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.24%
7) Chloroethane-d5	2.89	69	108941	21.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.04%
10) 1,1-Dichloroethene-d2	4.02	63	220538	23.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.28%
20) 2-Butanone-d5	7.08	46	105221	58.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.56%
24) Chloroform-d	7.64	84	271958	27.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.04%
26) 1,2-Dichloroethane-d4	8.31	65	168404	28.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.12%
29) Benzene-d6	8.27	84	484227	24.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.20%
33) 1,2-Dichloropropane-d6	9.27	67	156223	26.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.48%
37) Toluene-d8	10.32	98	456868	25.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.20%
38) trans-1,3-Dichloropropene-	10.58	79	73192	24.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.40%
39) 2-Hexanone-d5	10.93	63	76915	53.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	171952	29.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	184266	26.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	92123	19.305	ug/L	97
3) Chloromethane	2.21	50	110563	21.838	ug/L	98
5) Vinyl chloride	2.37	62	142749	27.393	ug/L	97
6) Bromomethane	2.78	94	111867	25.623	ug/L	99
8) Chloroethane	2.93	64	110169	25.553	ug/L	93
9) Trichlorofluoromethane	3.25	101	83767	20.350	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	117544	24.727	ug/L	97
12) 1,1-Dichloroethene	4.04	96	115622	25.920	ug/L	90
13) Acetone	4.12	43	70478	48.007	ug/L	99
14) Carbon disulfide	4.38	76	316043	26.326	ug/L	99
15) Methyl Acetate	4.67	43	87655	30.393	ug/L	98
16) Methylene chloride	4.91	84	136369	25.815	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	182310	28.885	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	119976	25.582	ug/L	92
19) 1,1-Dichloroethane	6.21	63	245375	28.695	ug/L	98
21) 2-Butanone	7.17	43	115291	56.876	ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	139697	27.497	ug/L	97

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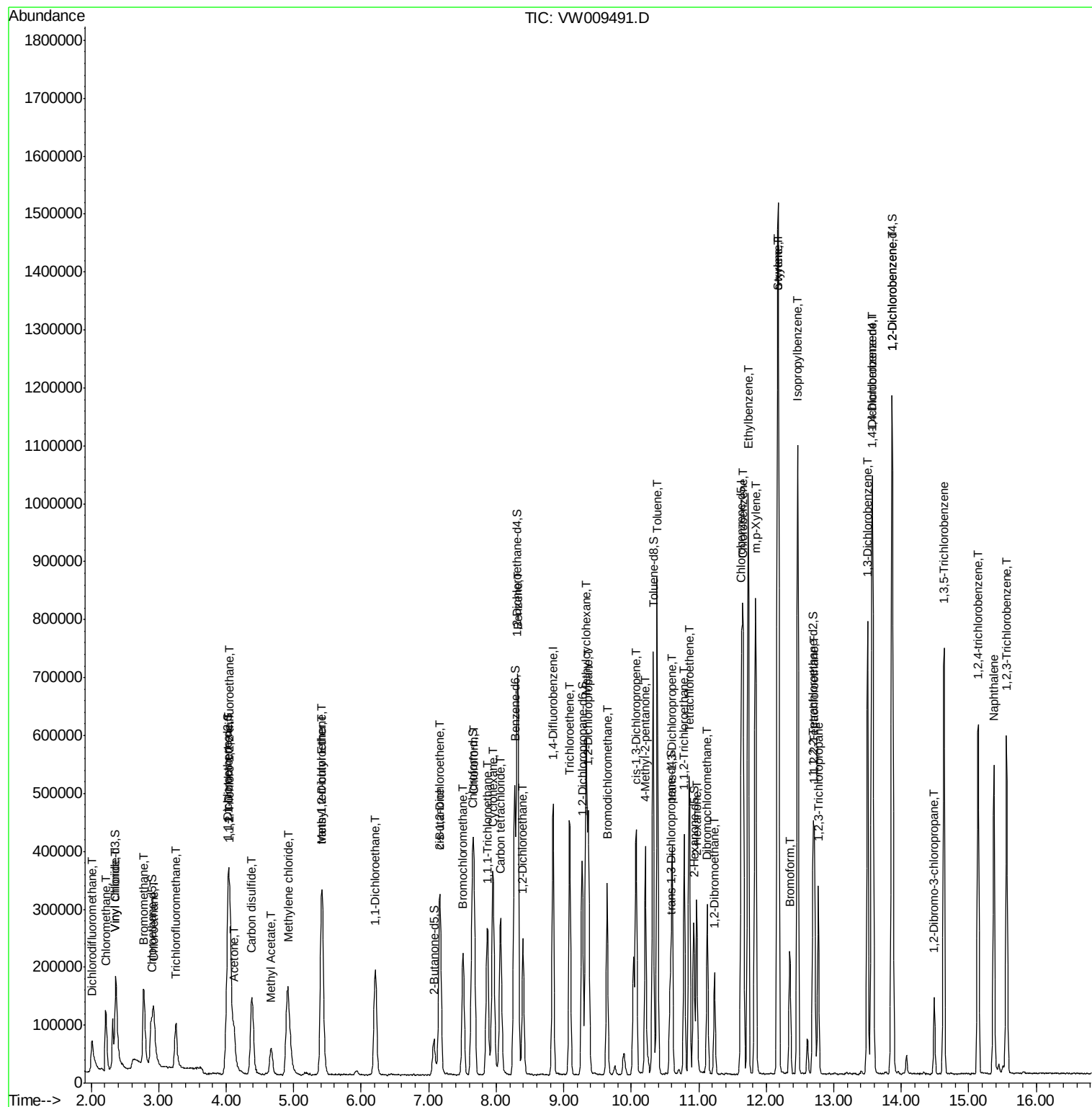
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	67548	27.721	ug/L	96
25) Chloroform	7.67	83	260431	29.082	ug/L	98
27) 1,2-Dichloroethane	8.40	62	203131	30.424	ug/L	97
30) Cyclohexane	7.95	56	190083	23.401	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	196120	27.455	ug/L	100
32) Carbon tetrachloride	8.06	117	189022	26.227	ug/L	99
34) Benzene	8.32	78	539646	27.566	ug/L	100
35) Trichloroethene	9.09	95	138239	26.501	ug/L	98
36) Methylcyclohexane	9.34	83	215502	23.879	ug/L	99
40) 1,2-Dichloropropane	9.37	63	141526	28.173	ug/L	99
41) Bromodichloromethane	9.64	83	201095	28.891	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	218473	26.702	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	257651	56.601	ug/L	99
44) Toluene	10.38	91	588552	27.497	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	189679	26.650	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	115716	28.874	ug/L	99
47) Tetrachloroethene	10.86	164	107963	24.495	ug/L	98
49) 2-Hexanone	10.97	43	183305	57.175	ug/L	99
50) Dibromochloromethane	11.13	129	141496	28.601	ug/L	97
51) 1,2-Dibromoethane	11.23	107	114824	28.262	ug/L #	92
52) Chlorobenzene	11.66	112	378849	27.597	ug/L	100
53) Ethylbenzene	11.73	91	666657	27.703	ug/L	99
54) m,p-Xylene	11.84	106	250189	27.366	ug/L	95
55) o-xylene	12.17	106	242768	27.219	ug/L	99
56) Styrene	12.18	104	431646	28.365	ug/L	97
57) Isopropylbenzene	12.46	105	662128	27.713	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	160362	29.660	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	120907	30.133	ug/L	99
62) Bromoform	12.35	173	88573	28.597	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	292448	26.769	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	314126	27.811	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	295912	28.402	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	31086	30.444	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	217967	25.579	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	183714	25.667	ug/L	100
69) Naphthalene	15.37	128	430317	28.998	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	184585	27.533	ug/L	100

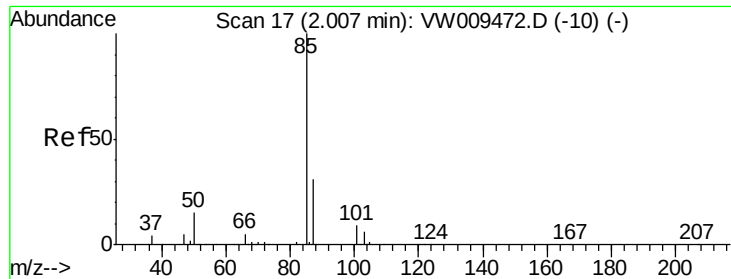
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.305 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

Instrument :

MSVOA_W

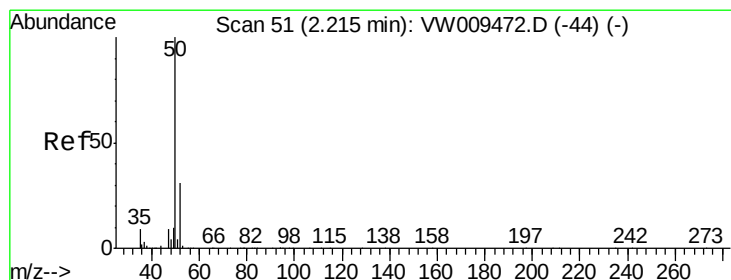
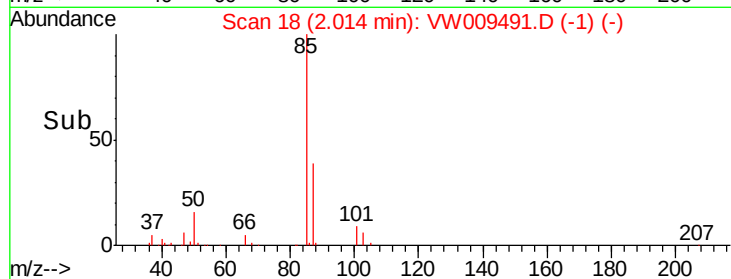
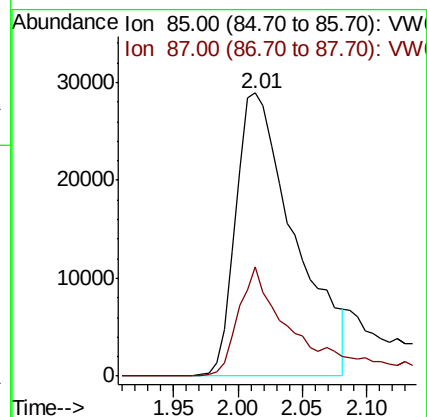
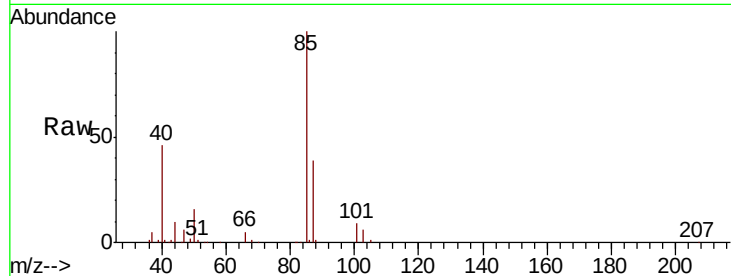
ClientSampleId :

Tot Ion: 85 Resp: 92123

Ion Ratio Lower Upper

85 100

87 29.4 19.5 36.3



#3

Chloromethane

Concen: 21.838 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009491.D

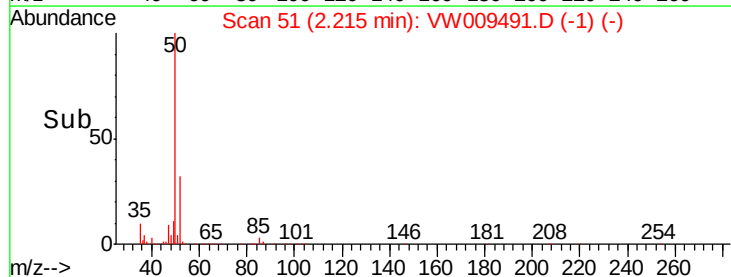
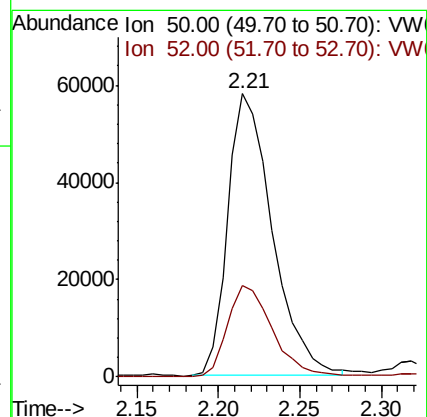
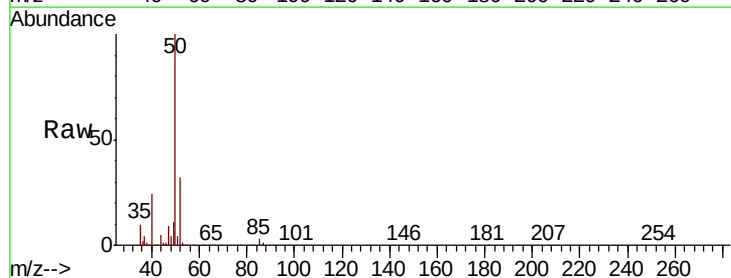
Acq: 27 Mar 2019 04:11

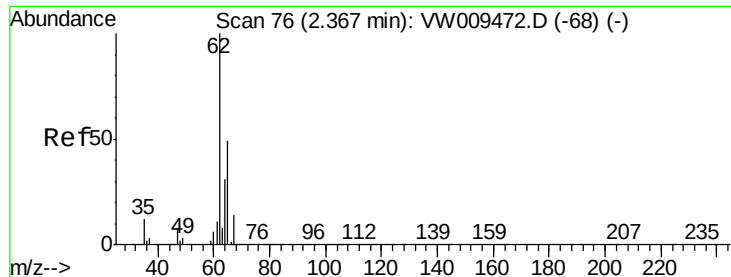
Tgt Ion: 50 Resp: 110563

Ion Ratio Lower Upper

50 100

52 32.1 21.6 40.2





#5

Vinyl chloride

Concen: 27.393 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

Instrument :

MSVOA_W

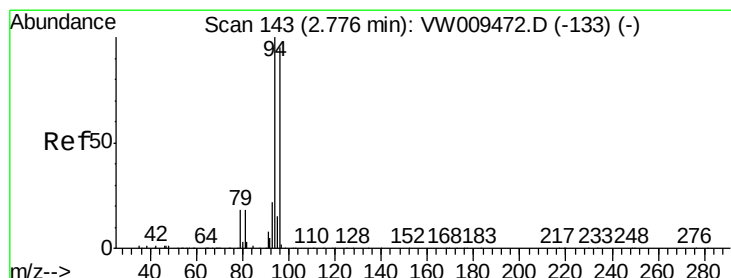
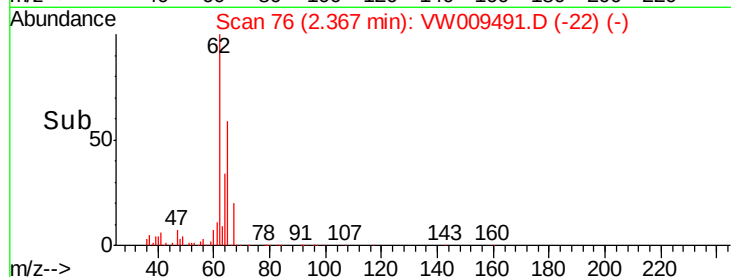
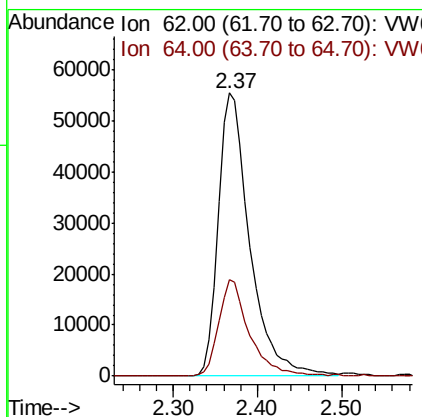
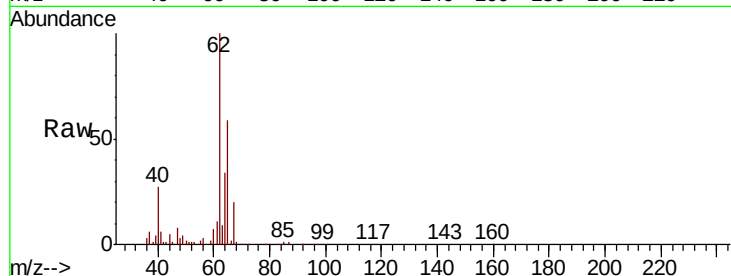
ClientSampleId :

Tot Ion: 62 Resp: 142749

Ion Ratio Lower Upper

62 100

64 34.3 23.0 42.6



#6

Bromomethane

Concen: 25.623 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009491.D

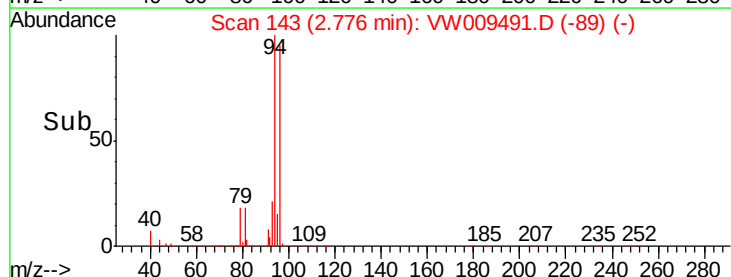
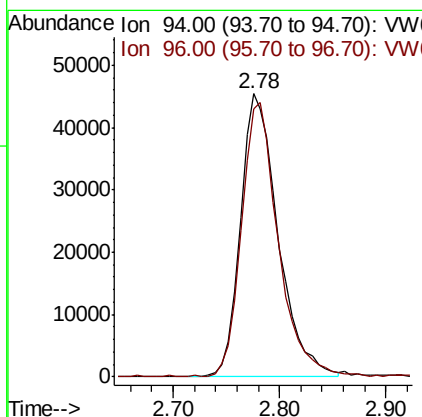
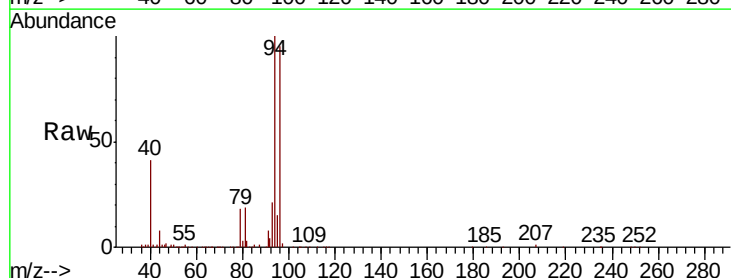
Acq: 27 Mar 2019 04:11

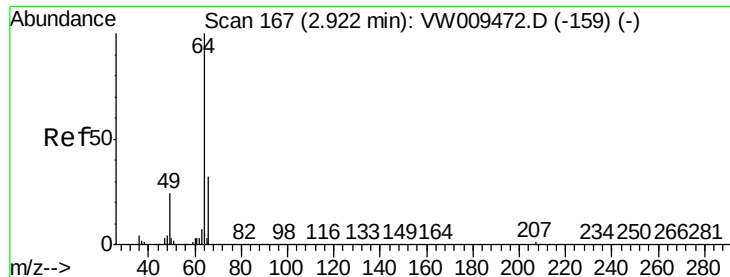
Tgt Ion: 94 Resp: 111867

Ion Ratio Lower Upper

94 100

96 95.2 9.4 178.4





#8

Chloroethane

Concen: 25.553 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

Instrument :

MSVOA_W

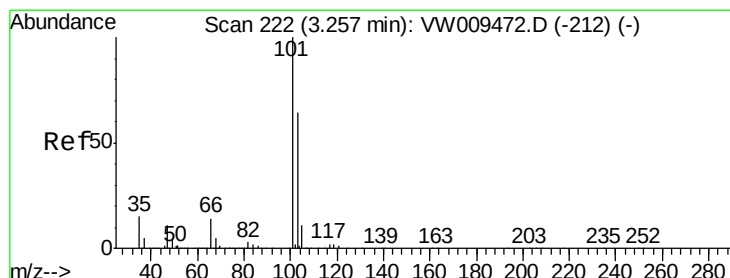
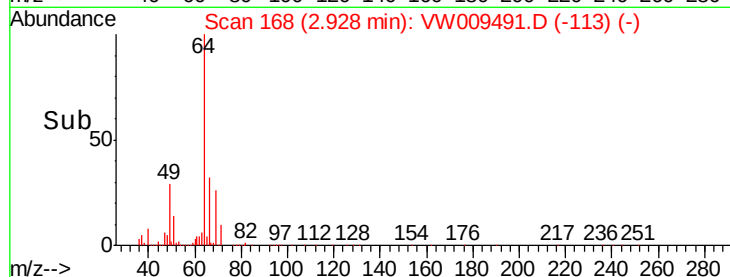
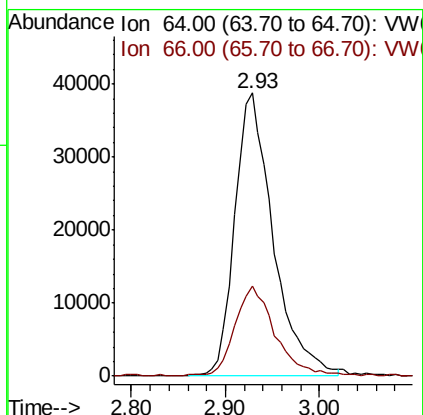
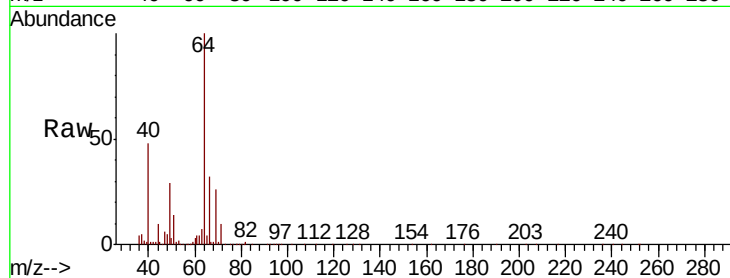
ClientSampleId :

Tot Ion: 64 Resp: 110169

Ion Ratio Lower Upper

64 100

66 31.6 25.1 46.7



#9

Trichlorofluoromethane

Concen: 20.350 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW009491.D

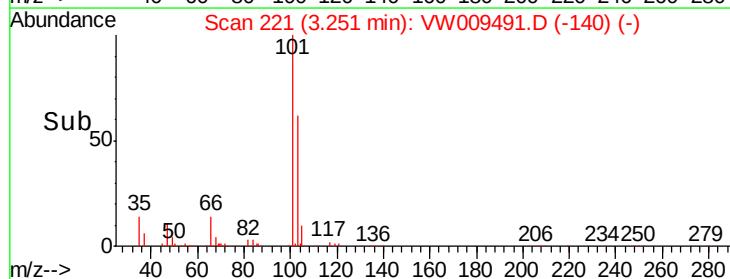
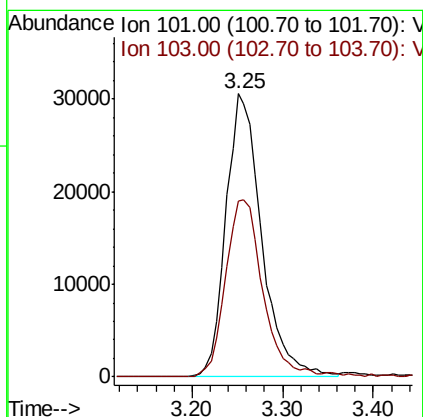
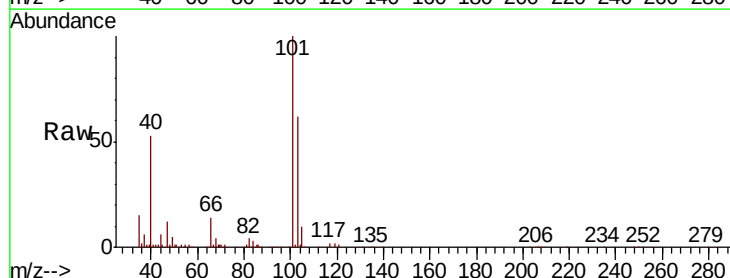
Acq: 27 Mar 2019 04:11

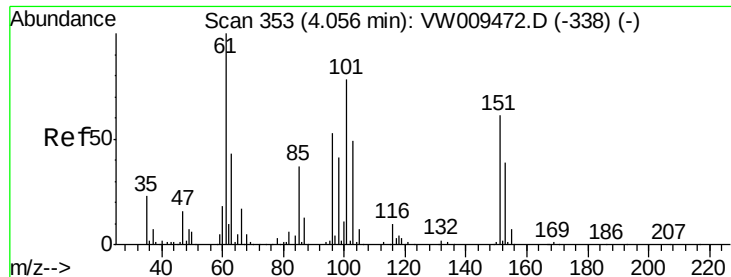
Tgt Ion: 101 Resp: 83767

Ion Ratio Lower Upper

101 100

103 63.8 45.0 83.6





#11

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

Concen: 24.727 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

Instrument :

MSVOA_W

ClientSampled :

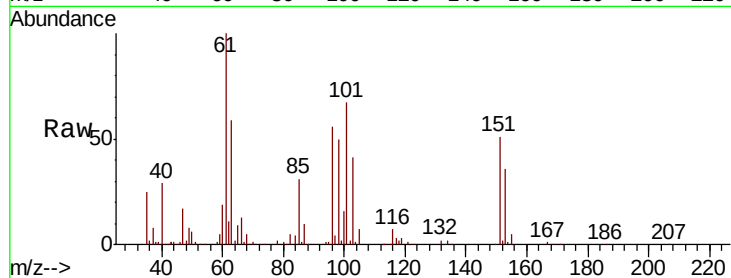
Tot Ion:101 Resp: 117544

Ion Ratio Lower Upper

101 100

85 46.0 32.6 48.8

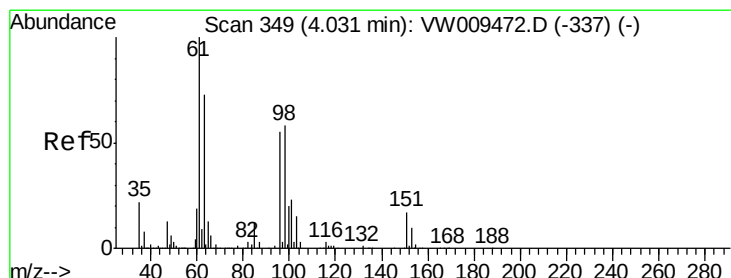
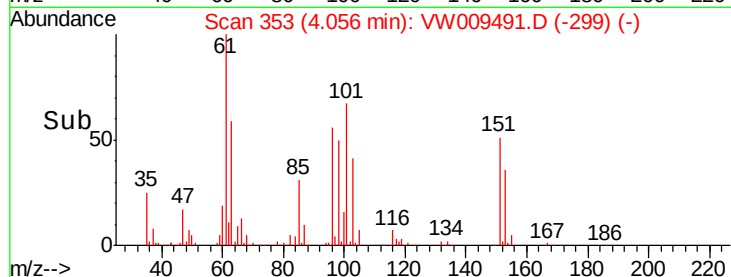
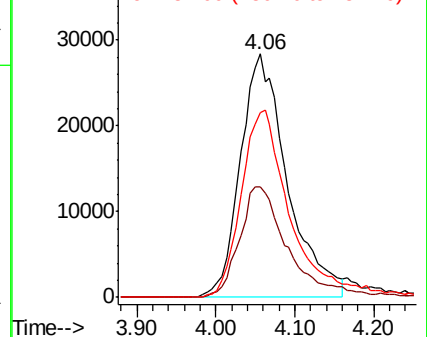
151 79.0 63.3 94.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.920 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

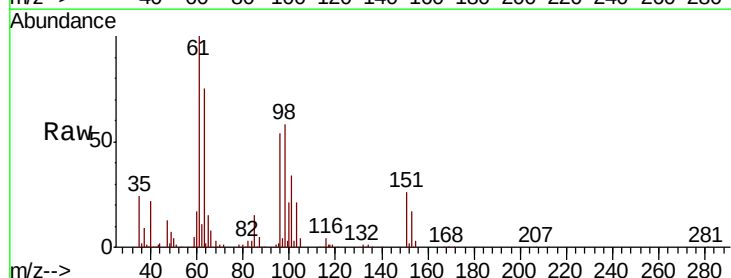
Tgt Ion: 96 Resp: 115622

Ion Ratio Lower Upper

96 100

61 184.8 129.4 240.2

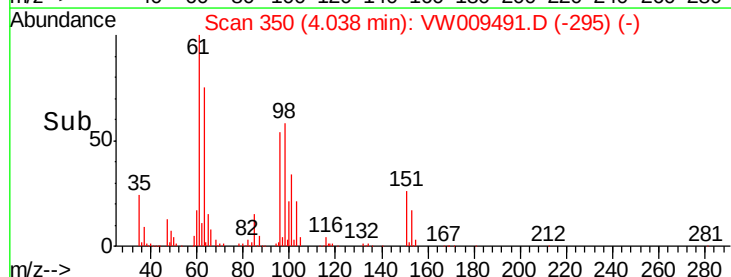
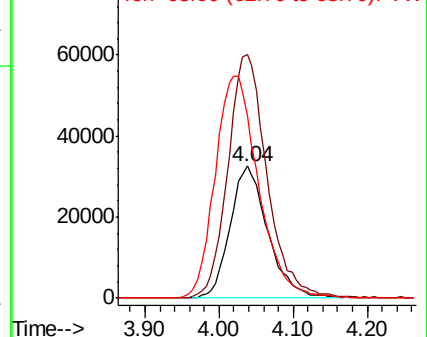
63 138.4 116.8 217.0

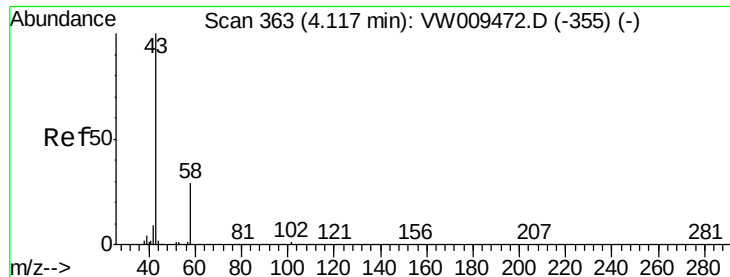


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

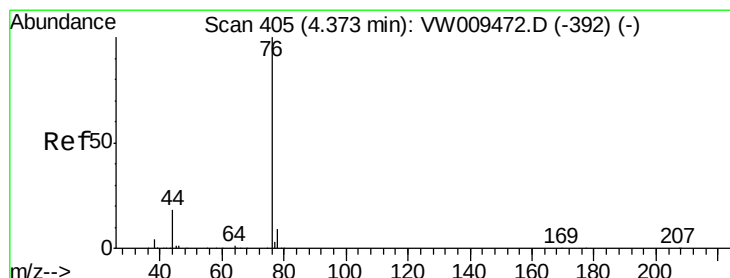
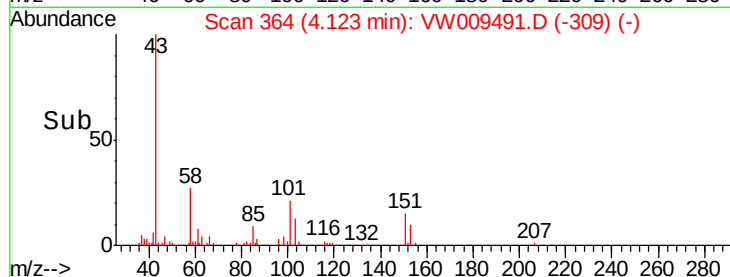
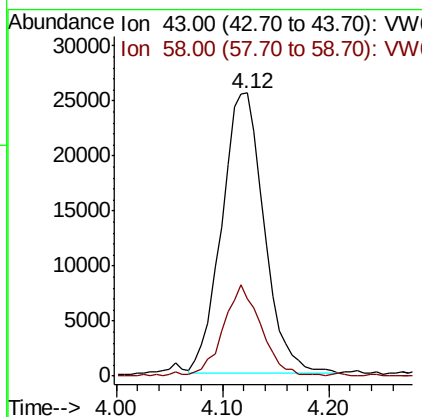
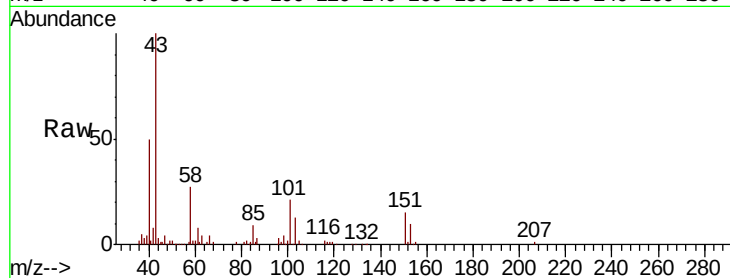




#13
Acetone
Concen: 48.007 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW009491.D
Acq: 27 Mar 2019 04:11

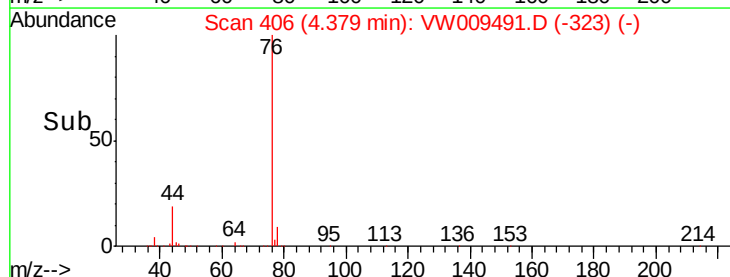
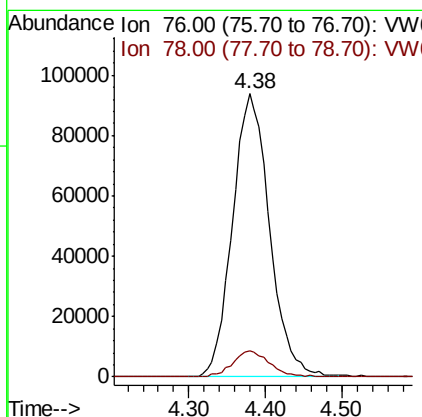
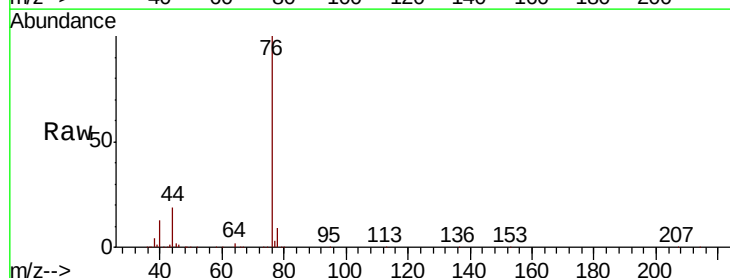
Instrument :
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ClientSampleId :

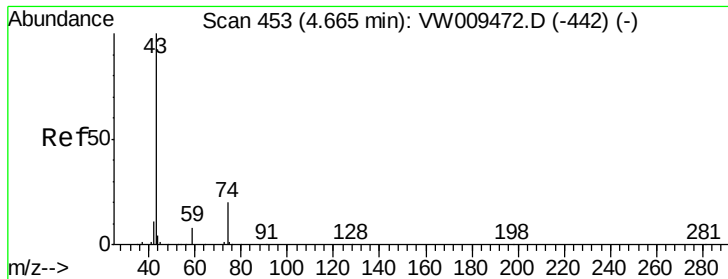
Tot Ion: 43 Resp: 70478
Ion Ratio Lower Upper
43 100
58 28.7 0.0 56.2



#14
Carbon disulfide
Concen: 26.326 ug/L
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW009491.D
Acq: 27 Mar 2019 04:11

Tgt Ion: 76 Resp: 316043
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

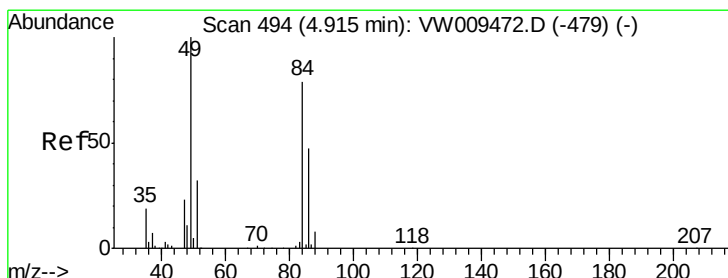
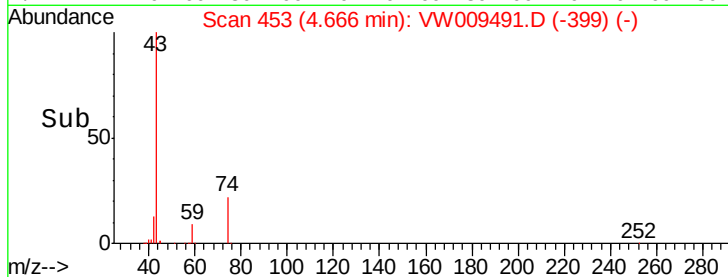
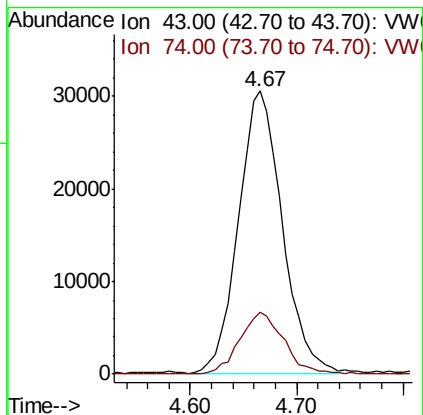
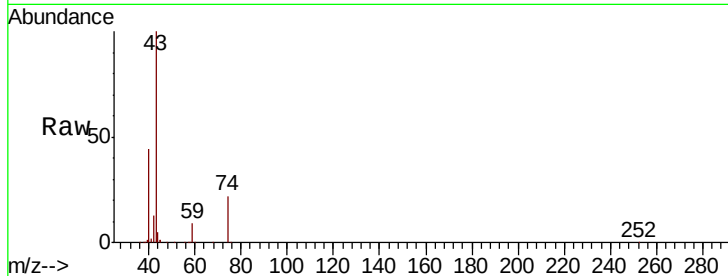




#15
Methvl Acetate
Concen: 30.393 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009491.D
Acq: 27 Mar 2019 04:11

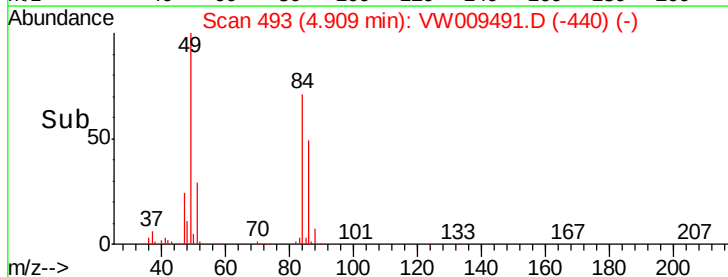
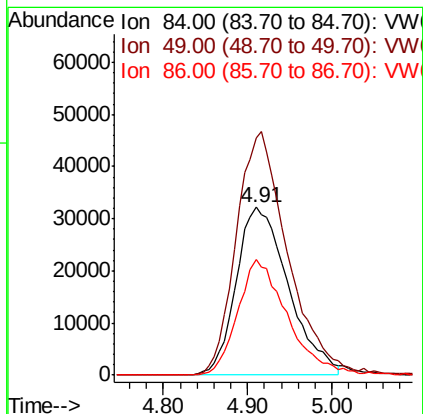
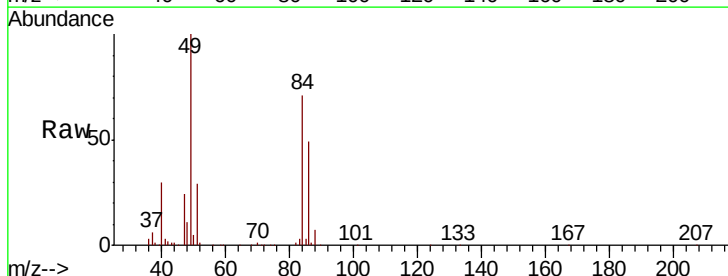
Instrument :
MSVOA_W
ClientSampleId :

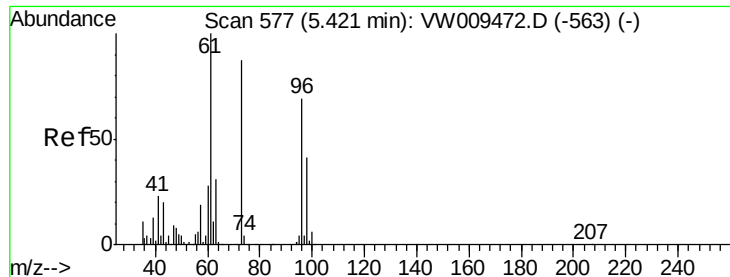
Tot Ion: 43 Resp: 87655
Ion Ratio Lower Upper
43 100
74 22.0 16.7 25.1



#16
Methylene chloride
Concen: 25.815 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009491.D
Acq: 27 Mar 2019 04:11

Tgt Ion: 84 Resp: 136369
Ion Ratio Lower Upper
84 100
49 141.0 96.0 178.2
86 68.8 44.4 82.5

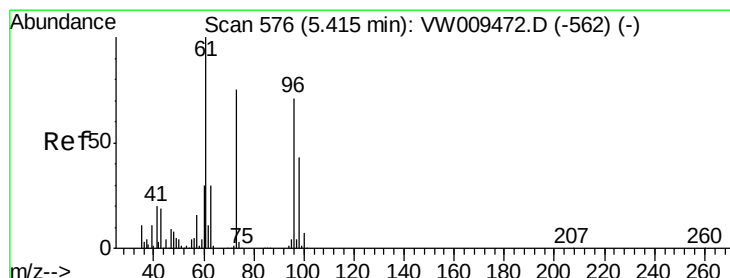
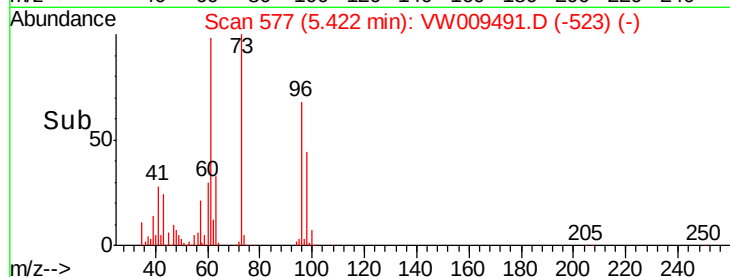
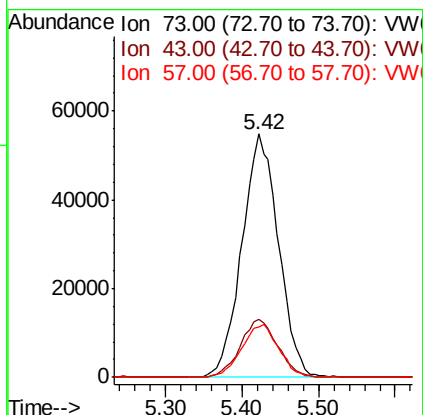
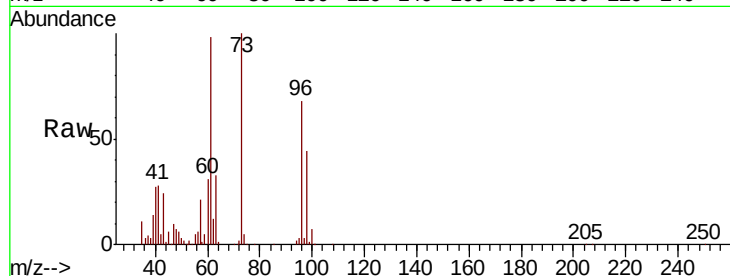




#17
Methyl tert-butyl Ether
Concen: 28.885 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009491.D
Acq: 27 Mar 2019 04:11

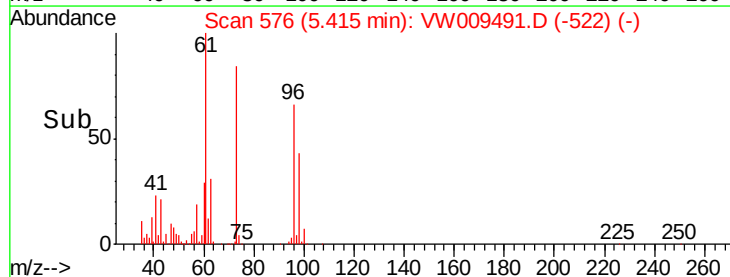
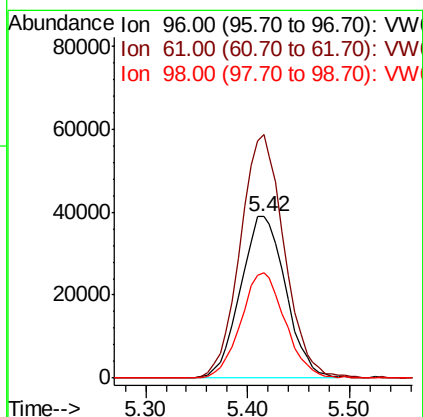
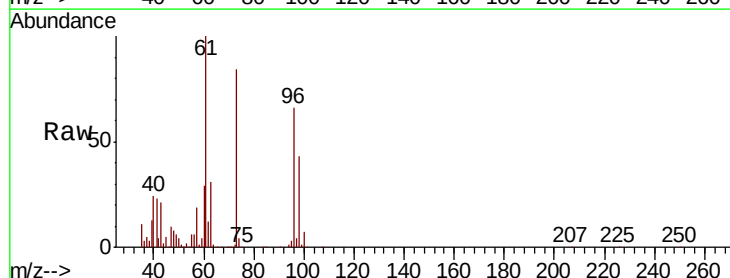
Instrument :
MSVOA_W
ClientSampleId :

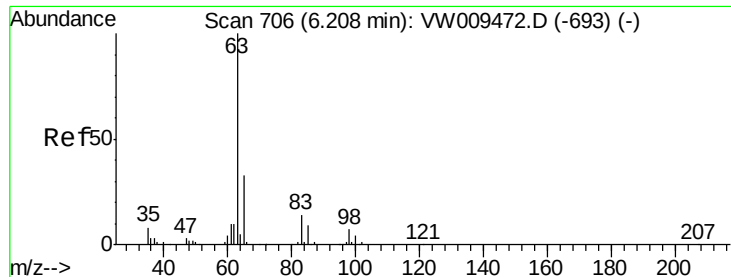
Tot Ion: 73 Resp: 182310
Ion Ratio Lower Upper
73 100
43 24.6 18.2 27.4
57 21.9 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 25.582 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW009491.D
Acq: 27 Mar 2019 04:11

Tgt Ion: 96 Resp: 119976
Ion Ratio Lower Upper
96 100
61 150.7 96.7 179.5
98 65.3 43.8 81.4

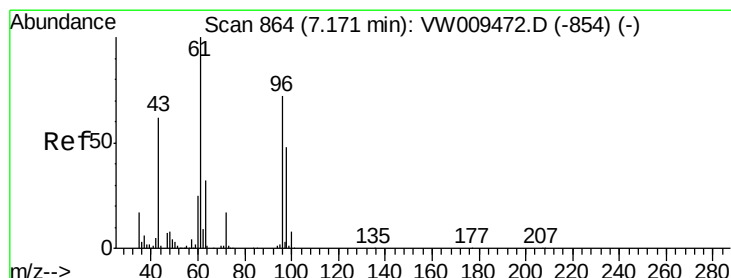
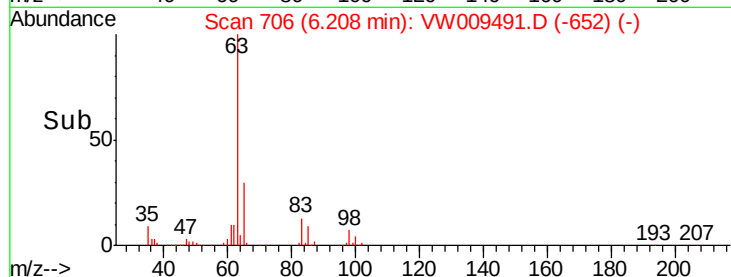
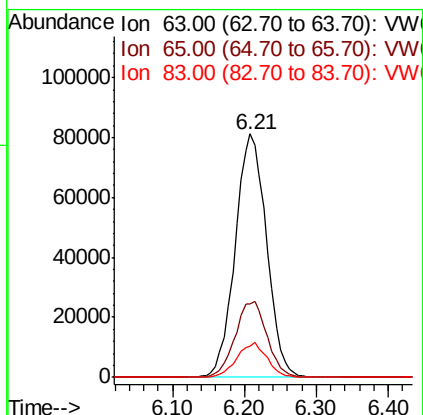
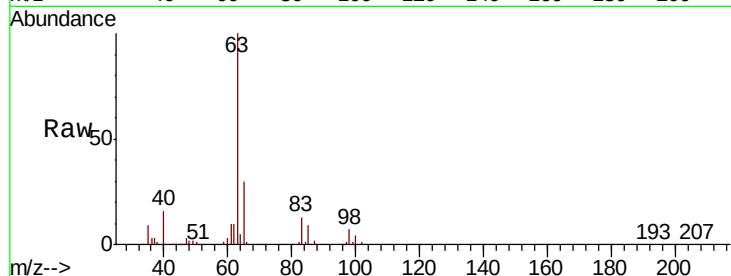




#19
 1,1-Dichloroethane
 Concen: 28.695 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW009491.D
 Acq: 27 Mar 2019 04:11

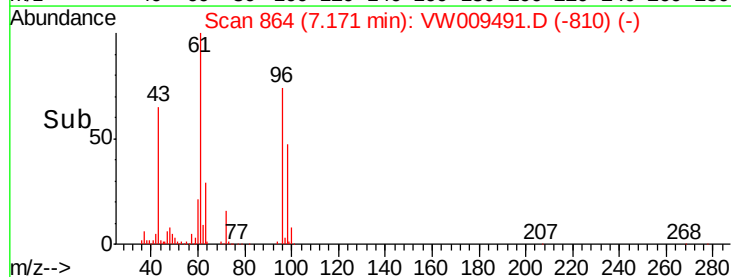
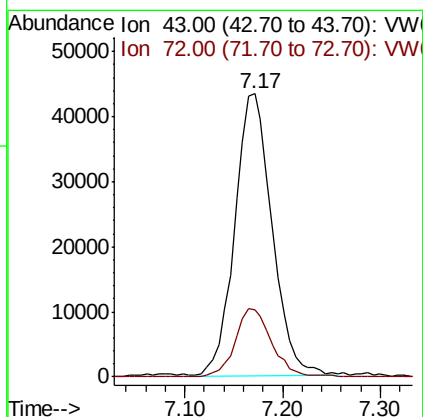
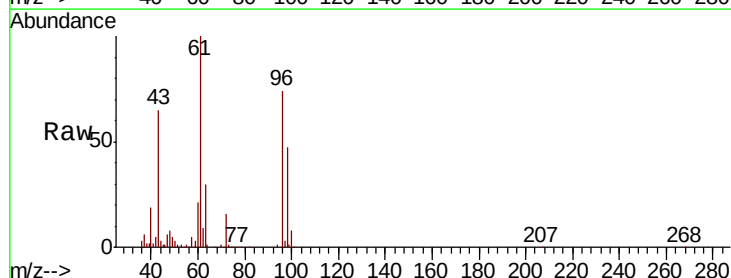
Instrument :
 MSVOA_W
 ClientSampled :

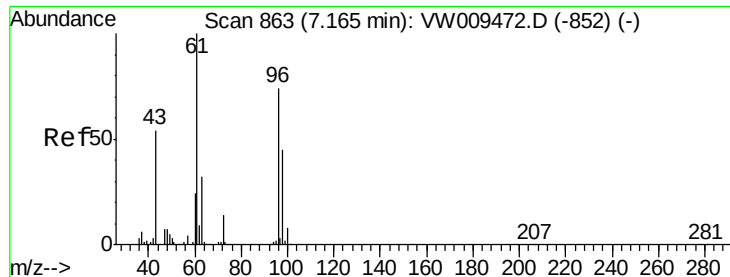
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	21.6	40.0
83	12.9	10.1	18.7



#21
 2-Butanone
 Concen: 56.876 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW009491.D
 Acq: 27 Mar 2019 04:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.4	13.1	39.1



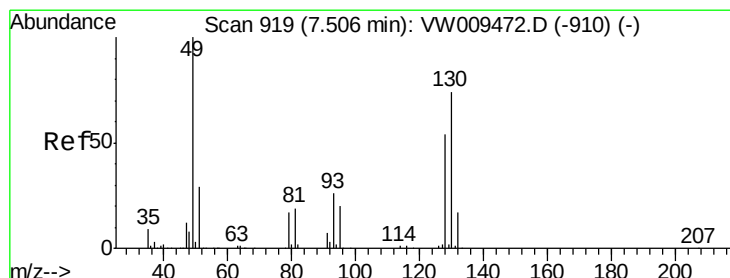
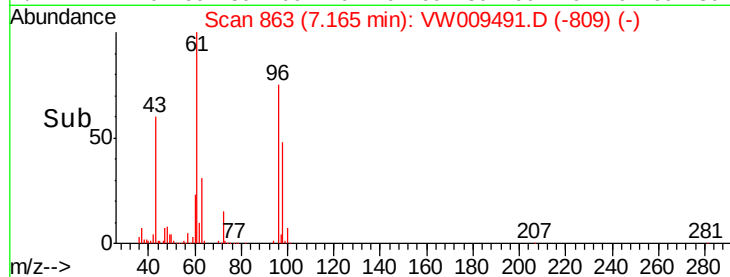
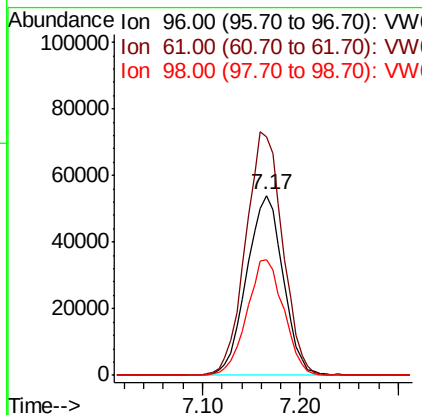
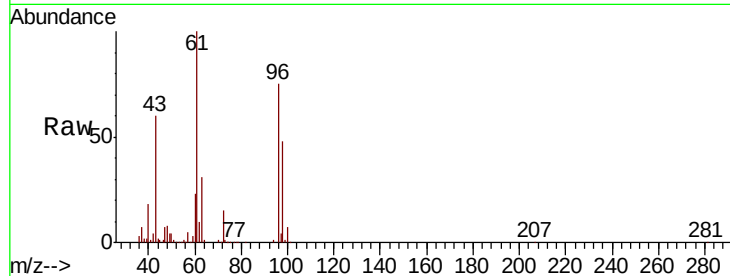


#22

cis-1,2-Dichloroethene
 Concen: 27.497 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009491.D
 Acq: 27 Mar 2019 04:11

Instrument :
 MSVOA_W
 ClientSampleId :

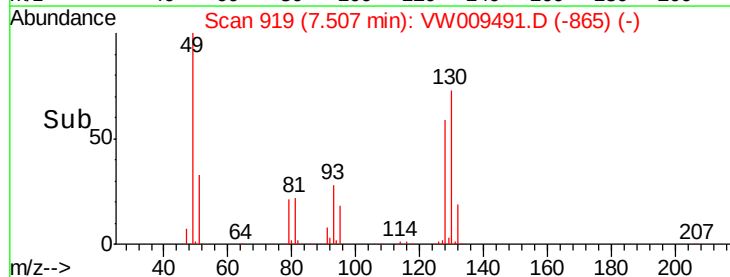
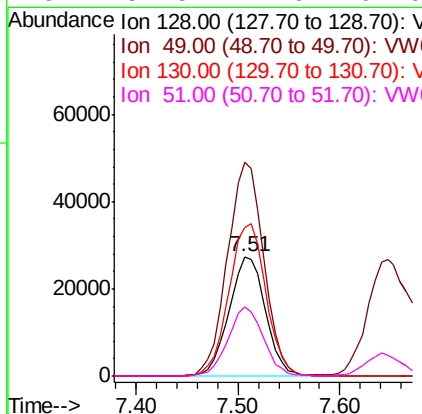
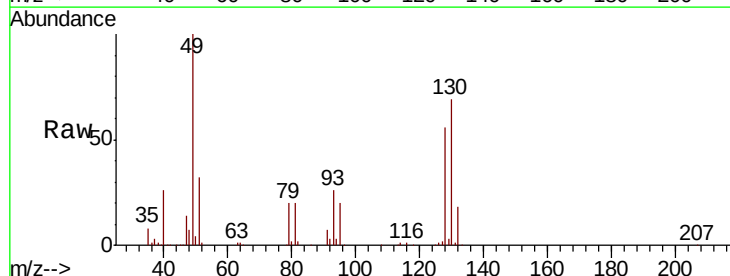
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.1	90.6	168.3
98	64.2	44.0	81.8

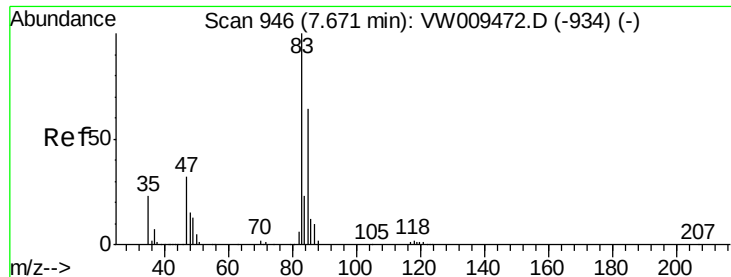


#23

Bromochloromethane
 Concen: 27.721 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW009491.D
 Acq: 27 Mar 2019 04:11

Tgt Ion	Ratio	Lower	Upper
128	100		
49	178.8	118.4	219.8
130	124.2	87.8	163.2
51	57.5	44.6	67.0





#25

Chloroform

Concen: 29.082 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

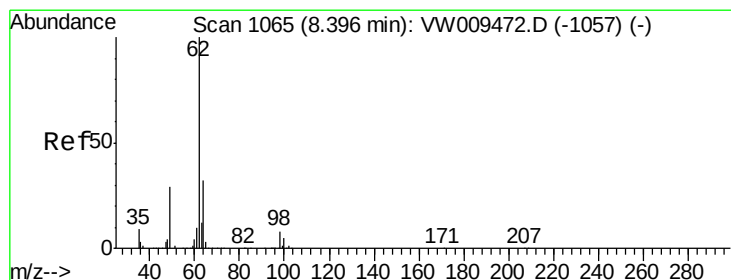
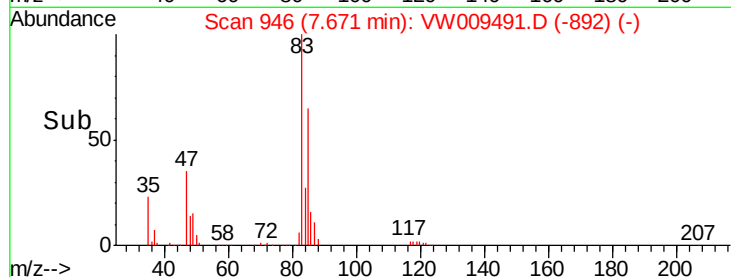
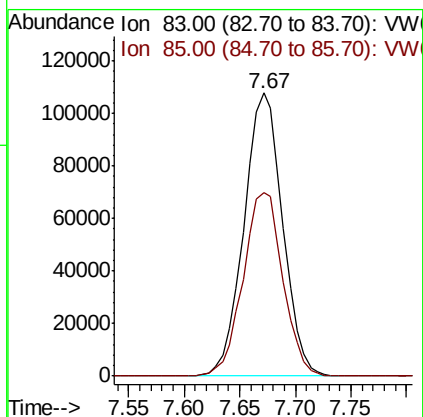
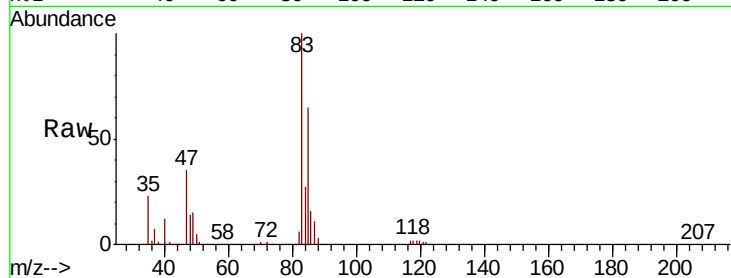
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 260431

Ion Ratio Lower Upper

83 100

85 66.9 46.0 85.4



#27

1,2-Dichloroethane

Concen: 30.424 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009491.D

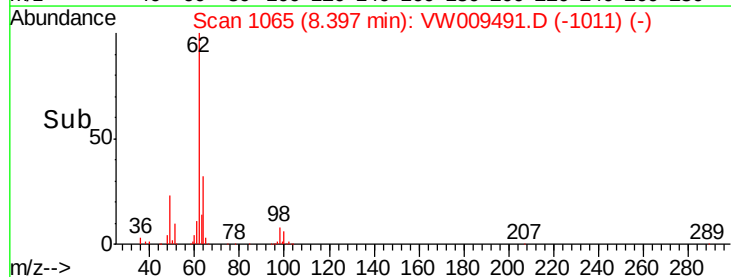
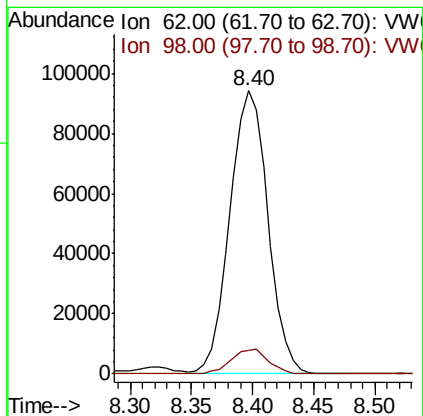
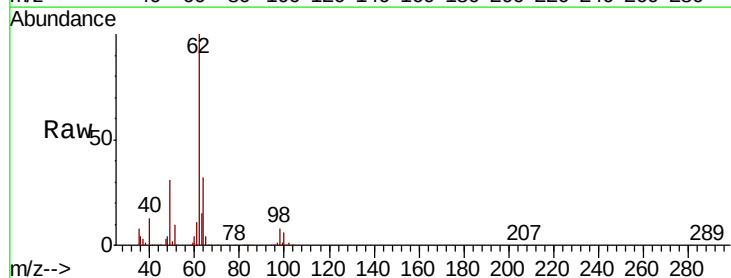
Acq: 27 Mar 2019 04:11

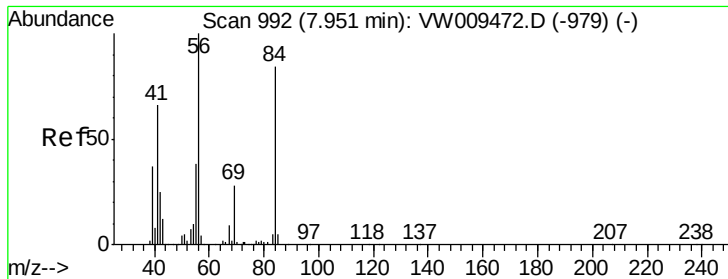
Tgt Ion: 62 Resp: 203131

Ion Ratio Lower Upper

62 100

98 8.1 7.3 10.9

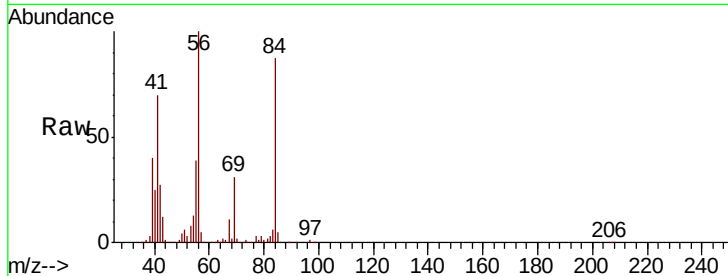




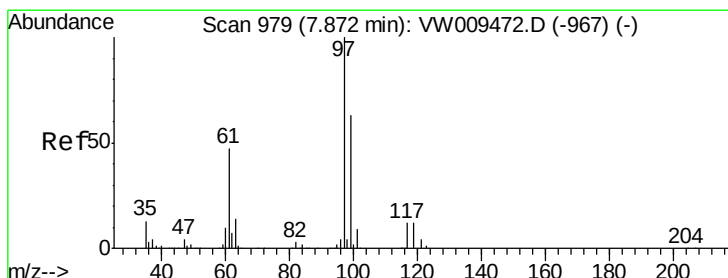
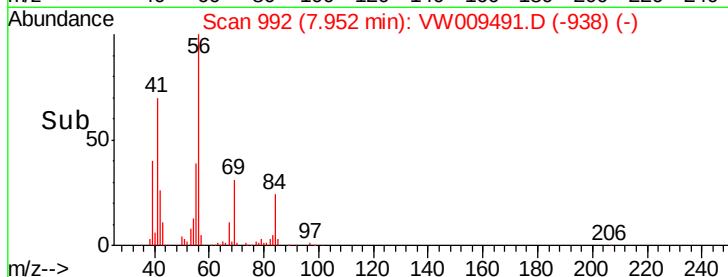
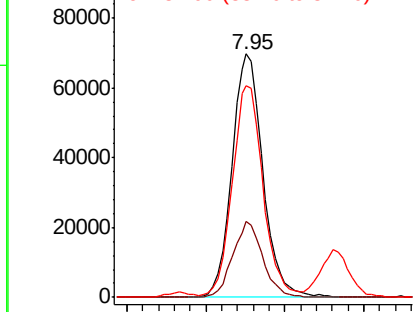
#30
Cyclohexane
Concen: 23.401 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009491.D
Acq: 27 Mar 2019 04:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 190083
Ion Ratio Lower Upper
56 100
69 30.1 24.0 36.0
84 86.7 69.2 103.8

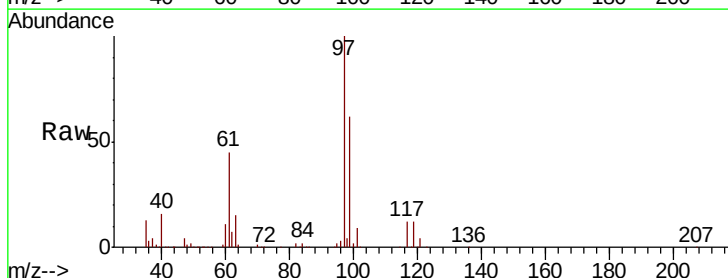


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

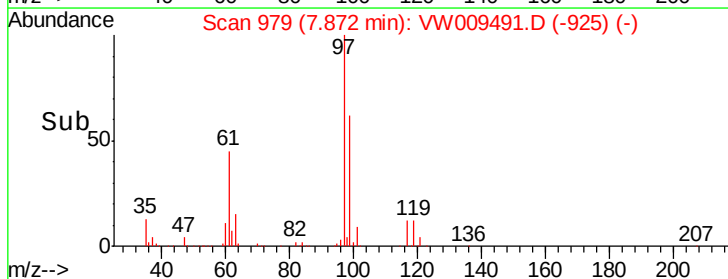
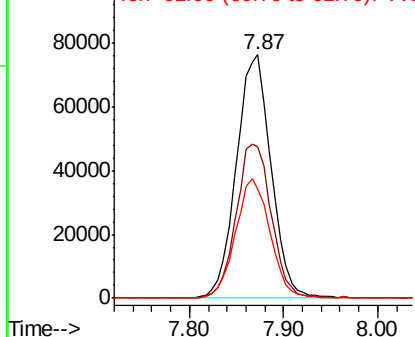


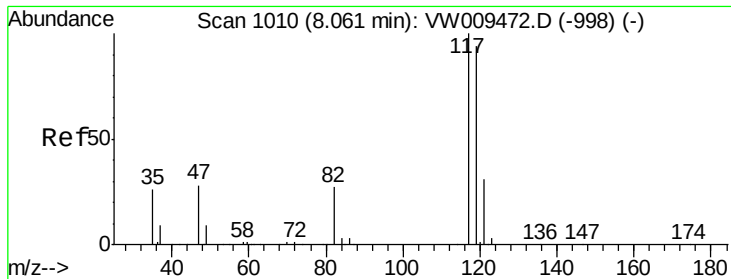
#31
1,1,1-Trichloroethane
Concen: 27.455 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009491.D
Acq: 27 Mar 2019 04:11

Tgt Ion: 97 Resp: 196120
Ion Ratio Lower Upper
97 100
99 63.9 51.2 76.8
61 48.6 38.4 57.6



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 26.227 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

Instrument :

MSVOA_W

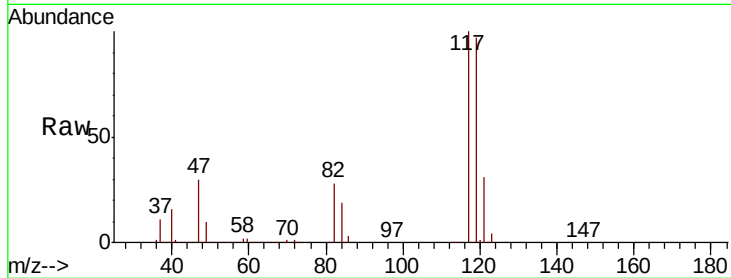
ClientSampleId :

Tot Ion:117 Resp: 189022

Ion Ratio Lower Upper

117 100

119 96.0 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

80000

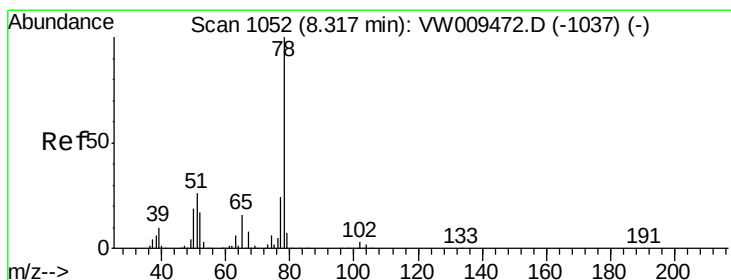
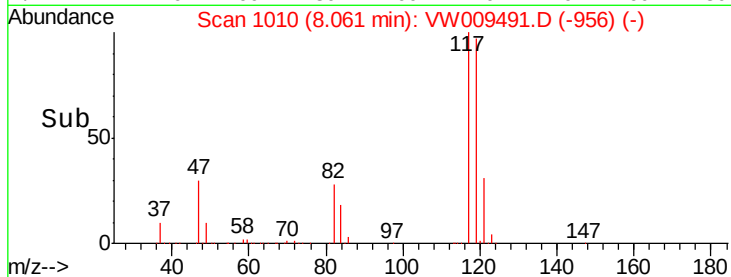
60000

40000

20000

0

Time-->



#34

Benzene

Concen: 27.566 ug/L

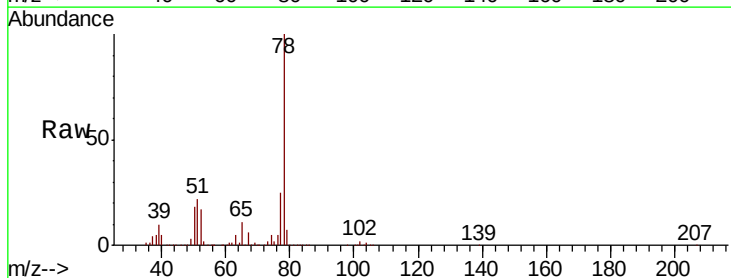
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

Tgt Ion: 78 Resp: 539646



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

250000

200000

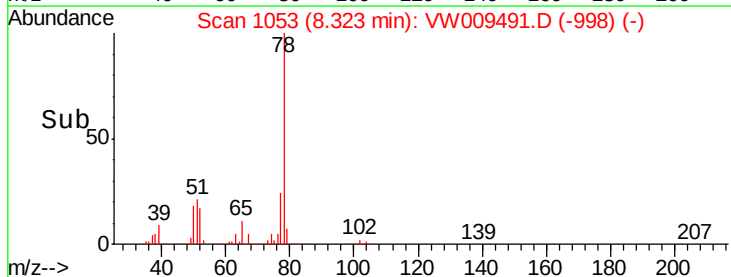
150000

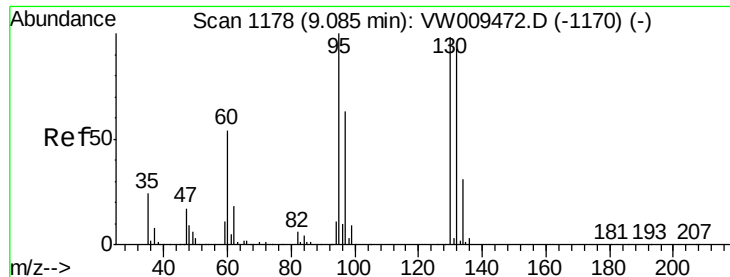
100000

50000

0

Time-->





#35

Trichloroethene

Concen: 26.501 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 138239

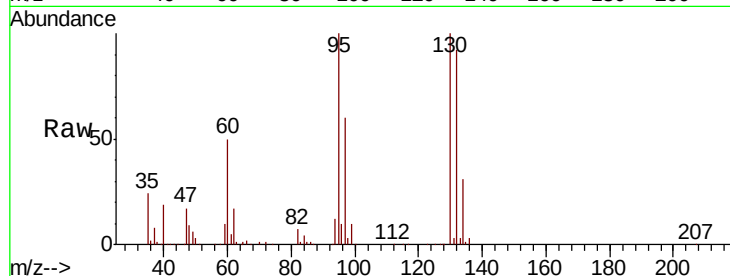
Ion Ratio Lower Upper

95 100

97 62.4 44.7 82.9

132 97.1 69.0 128.2

130 101.7 72.7 134.9



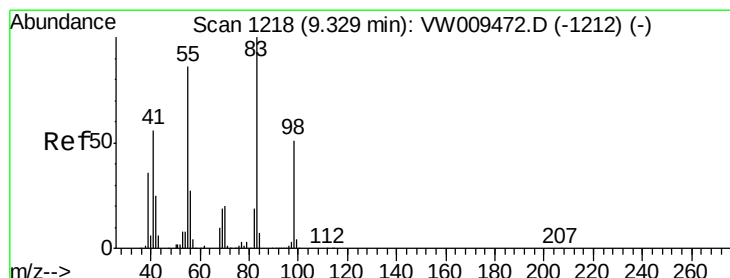
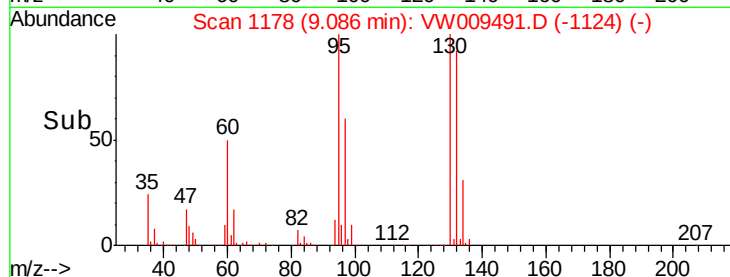
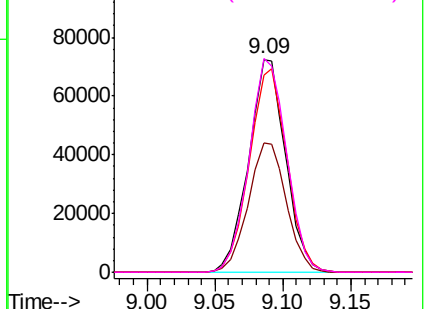
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 23.879 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

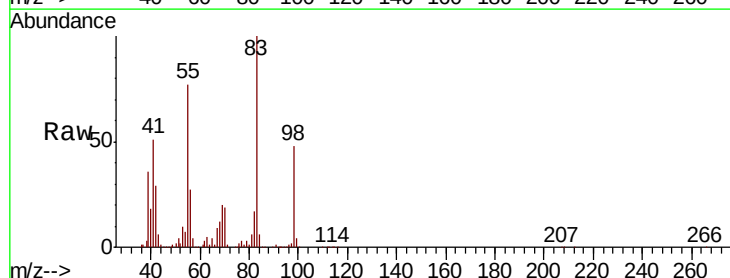
Tgt Ion: 83 Resp: 215502

Ion Ratio Lower Upper

83 100

55 81.2 63.5 95.3

98 49.9 39.8 59.8

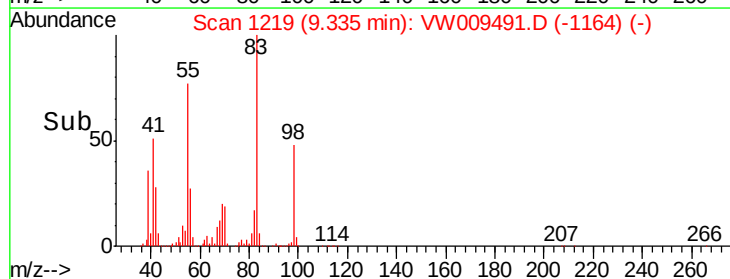
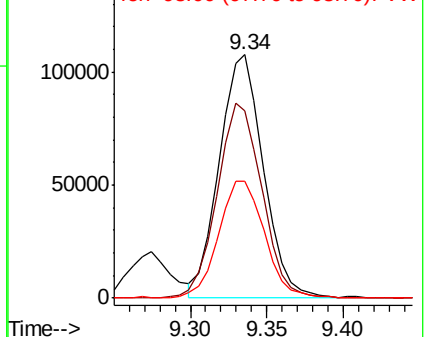


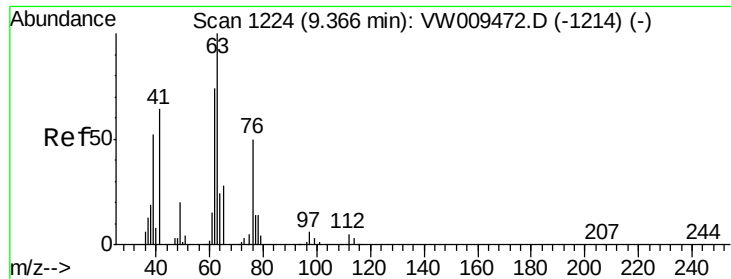
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

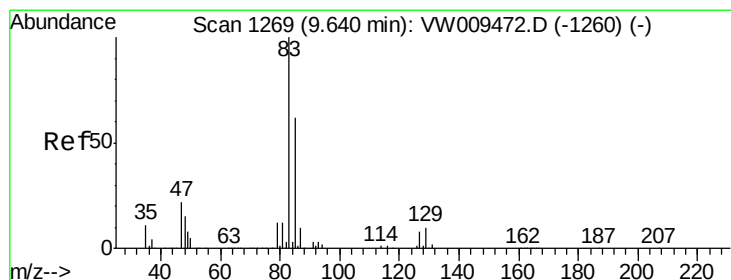
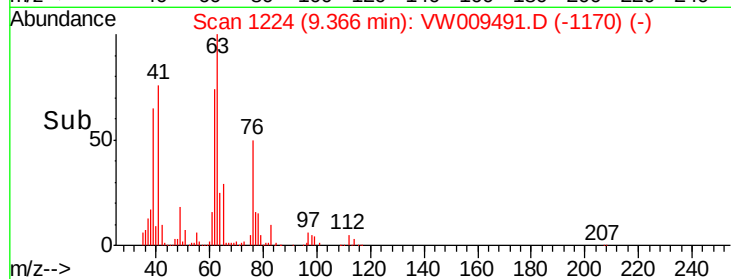
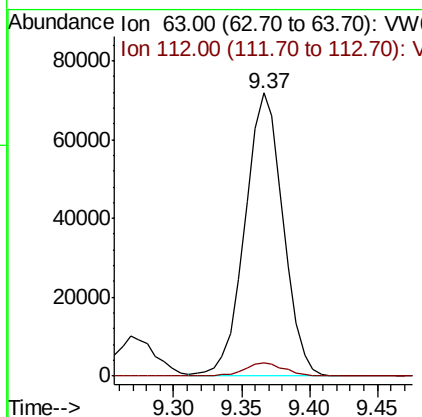
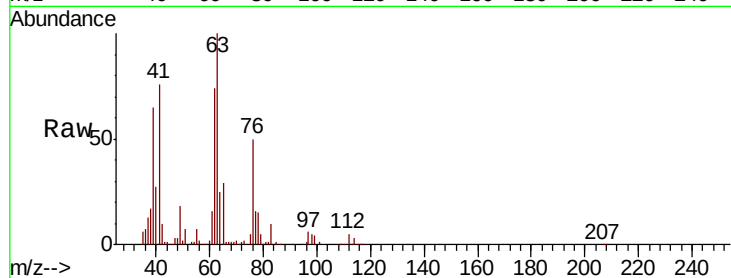




#40
 1,2-Dichloropropane
 Concen: 28.173 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009491.D
 Acq: 27 Mar 2019 04:11

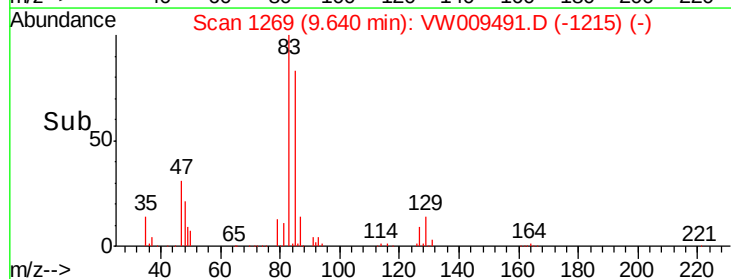
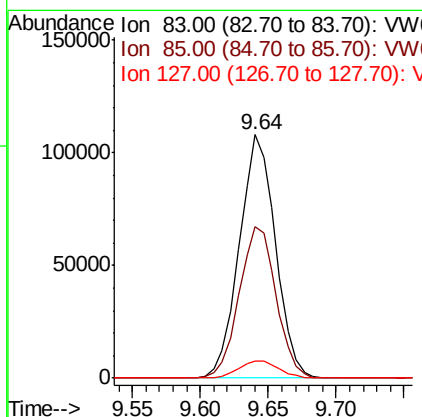
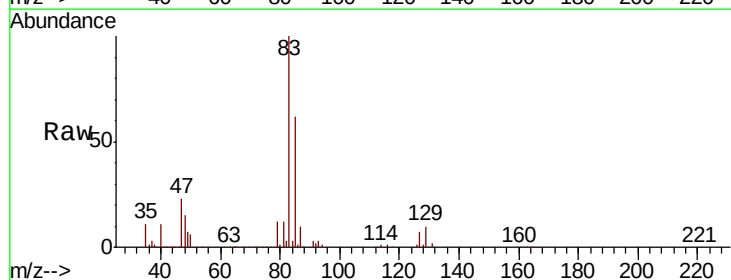
Instrument :
 MSVOA_W
 ClientSampled :

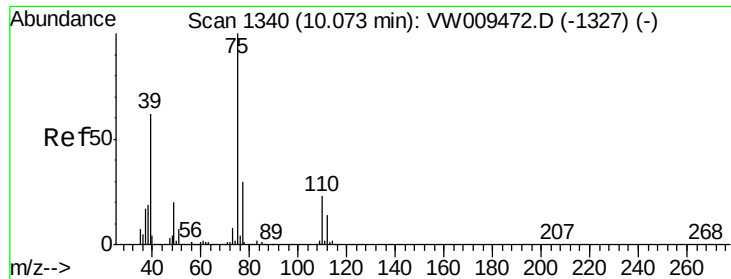
Tot Ion: 63 Resp: 141526
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.0 6.0



#41
 Bromodichloromethane
 Concen: 28.891 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW009491.D
 Acq: 27 Mar 2019 04:11

Tgt Ion: 83 Resp: 201095
 Ion Ratio Lower Upper
 83 100
 85 62.0 43.5 80.7
 127 7.0 6.2 9.4

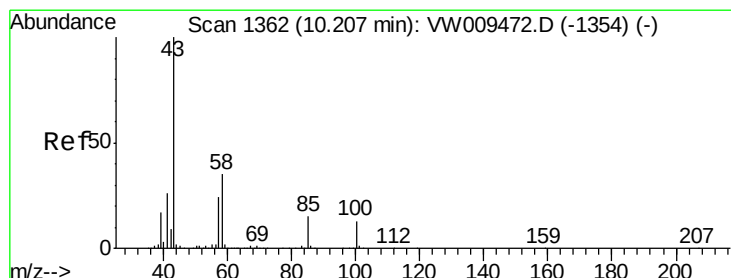
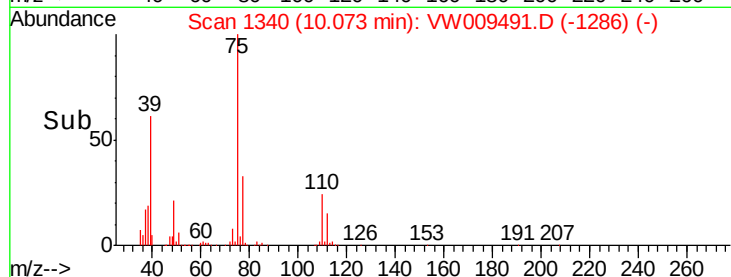
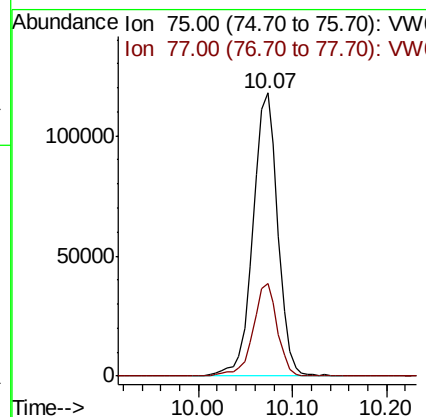
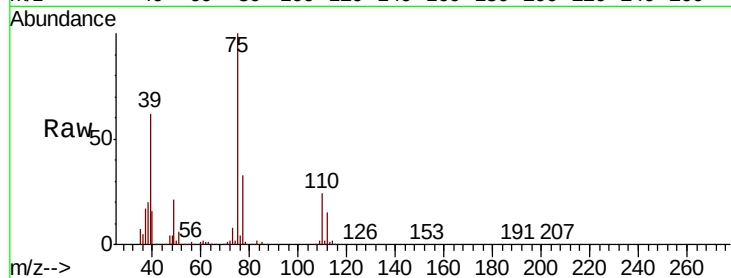




#42
 cis-1,3-Dichloropropene
 Concen: 26.702 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW009491.D
 Acq: 27 Mar 2019 04:11

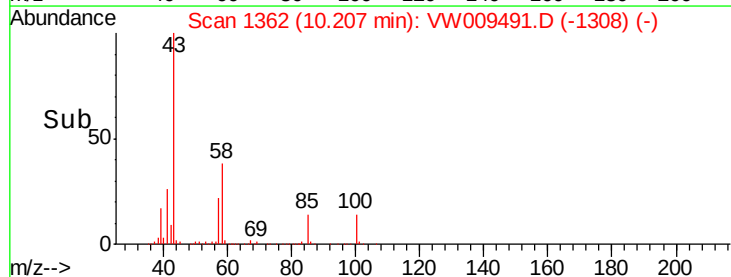
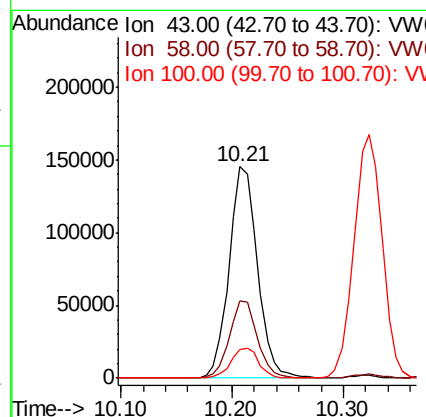
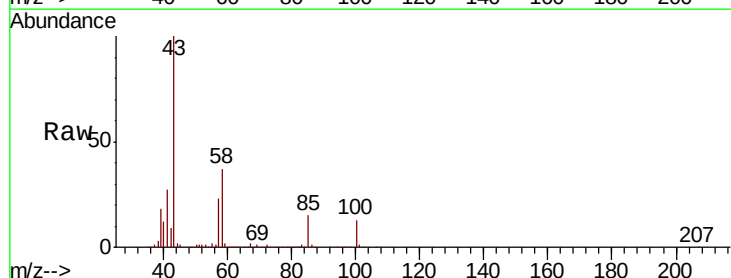
Instrument :
 MSVOA_W
 ClientSampled :

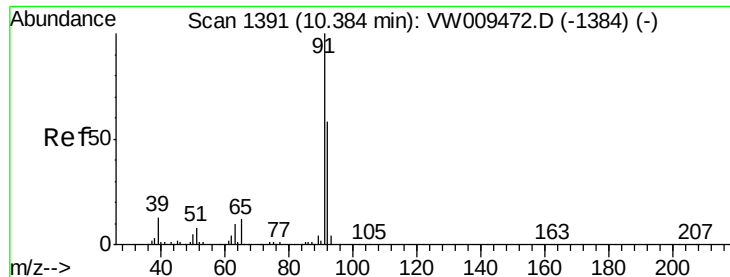
Tot Ion: 75 Resp: 218473
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.6 40.2



#43
 4-Methyl-2-pentanone
 Concen: 56.601 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW009491.D
 Acq: 27 Mar 2019 04:11

Tgt Ion: 43 Resp: 257651
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.2 42.2
 100 14.0 11.4 17.2





#44

Toluene

Concen: 27.497 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

Instrument :

MSVOA_W

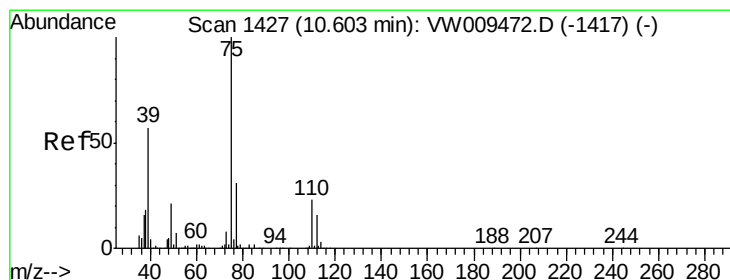
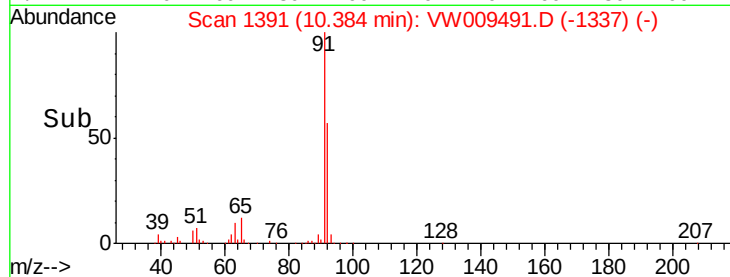
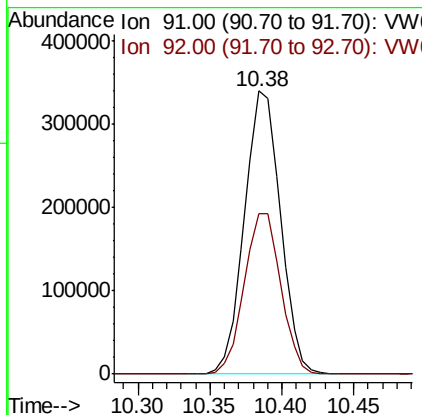
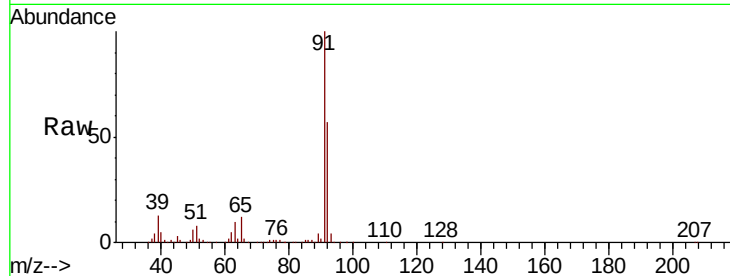
ClientSampleId :

Tot Ion: 91 Resp: 588552

Ion Ratio Lower Upper

91 100

92 56.9 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 26.650 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009491.D

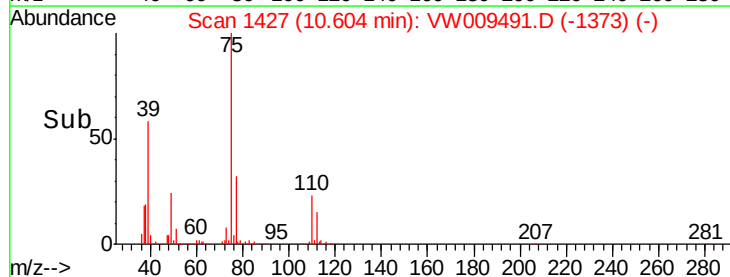
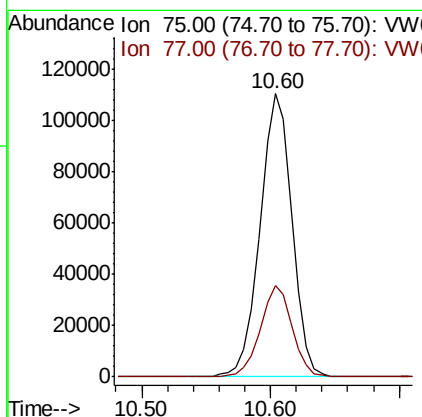
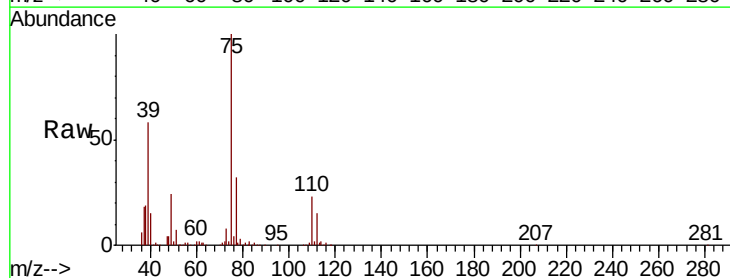
Acq: 27 Mar 2019 04:11

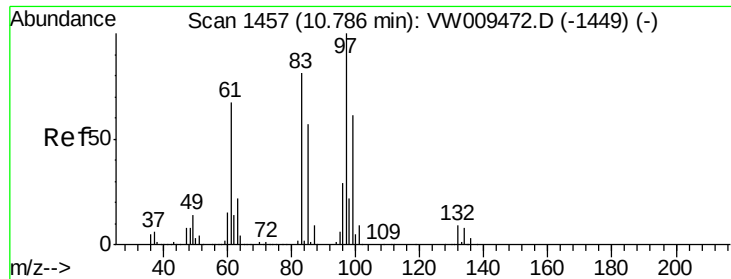
Tgt Ion: 75 Resp: 189679

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.7

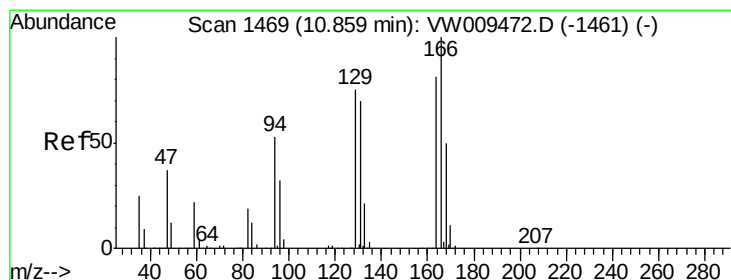
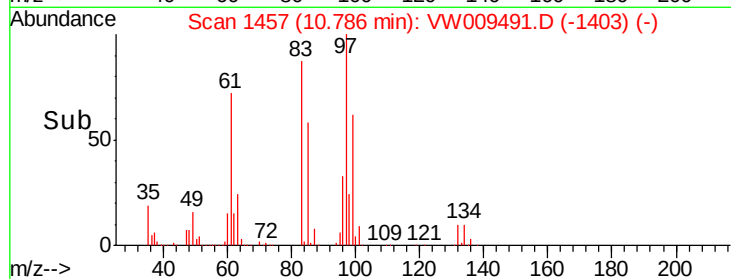
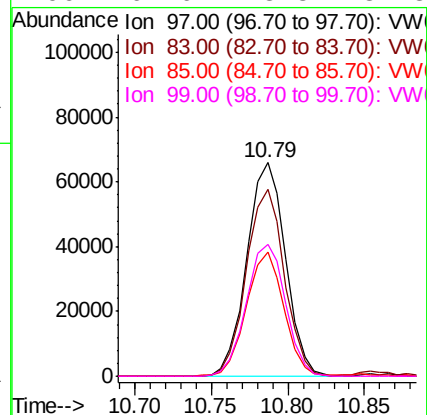
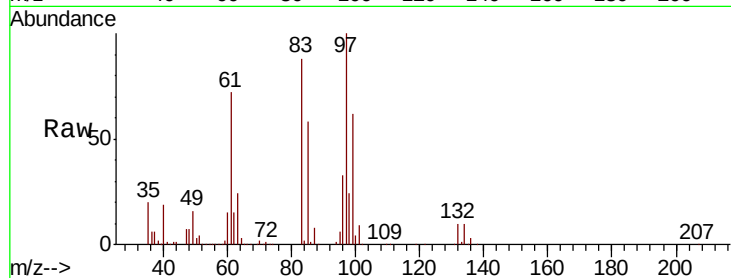




#46
1,1,2-Trichloroethane
Concen: 28.874 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW009491.D
Acq: 27 Mar 2019 04:11

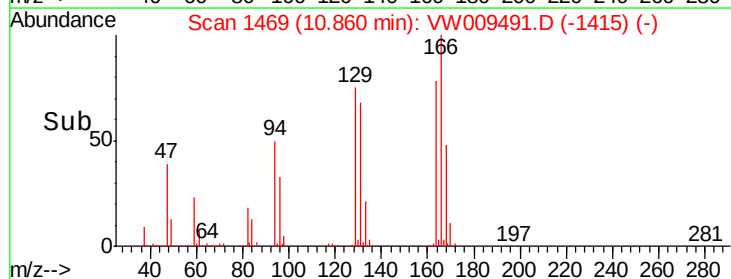
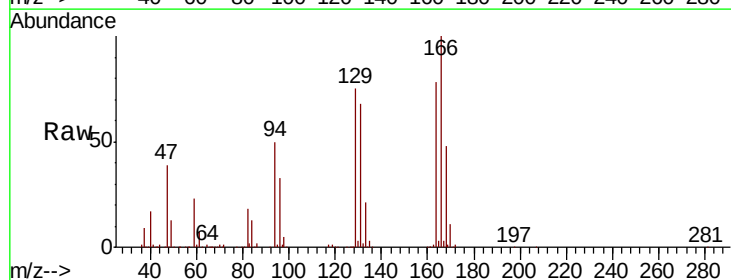
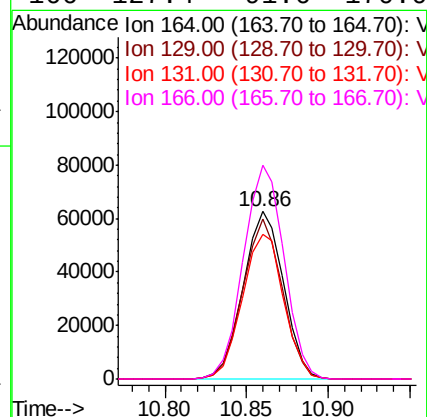
Instrument :
MSVOA_W
ClientSampled :

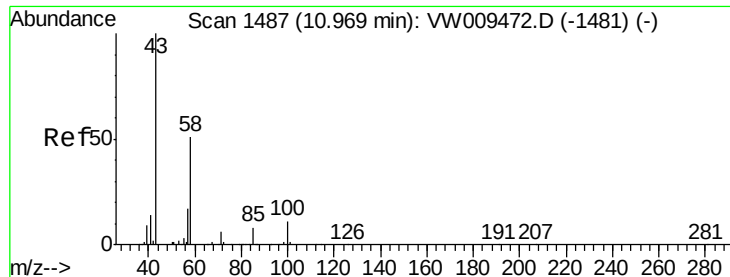
Tot Ion	97	Resp	115716
Ion	Ratio	Lower	Upper
97	100		
83	87.5	60.7	112.7
85	58.3	40.1	74.5
99	61.6	43.8	81.3



#47
Tetrachloroethene
Concen: 24.495 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009491.D
Acq: 27 Mar 2019 04:11

Tgt Ion	164	Resp	107963
Ion	Ratio	Lower	Upper
164	100		
129	95.7	66.5	123.5
131	86.2	62.6	116.3
166	127.4	91.6	170.0

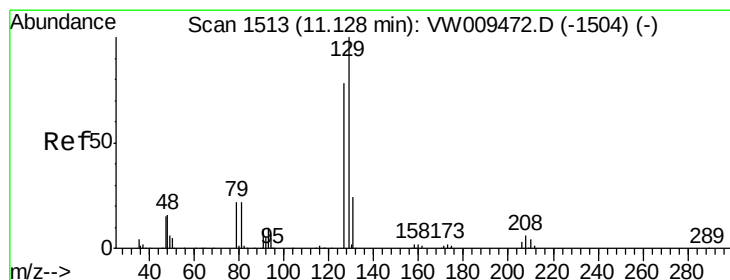
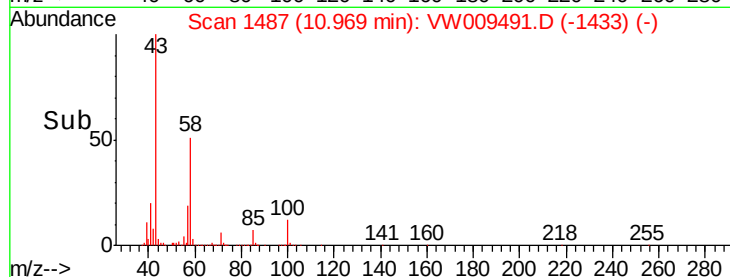
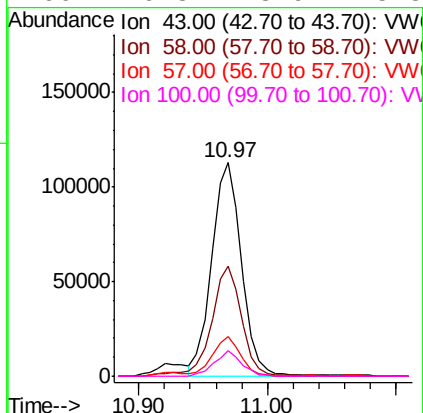
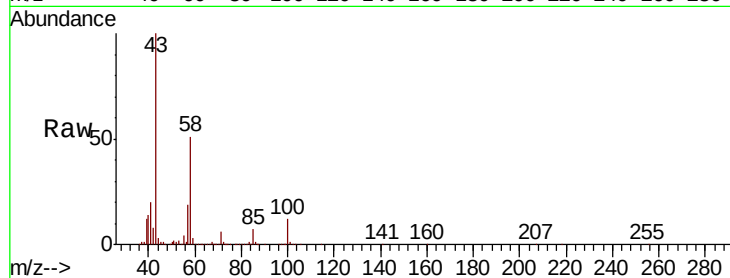




#49
2-Hexanone
Concen: 57.175 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009491.D
Acq: 27 Mar 2019 04:11

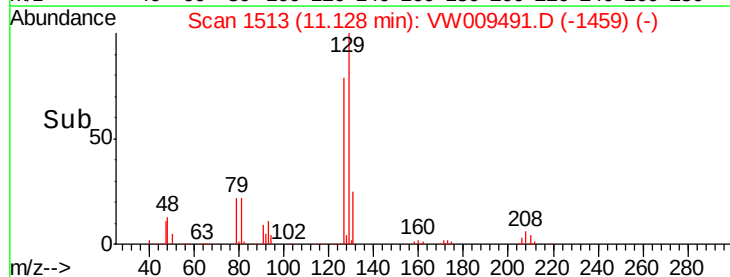
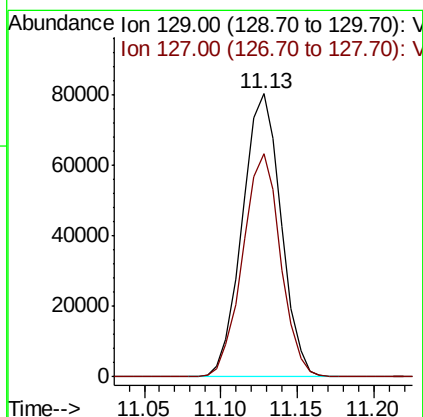
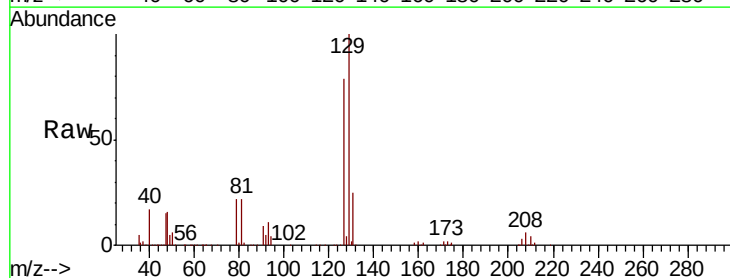
Instrument :
MSVOA_W
ClientSampleId :

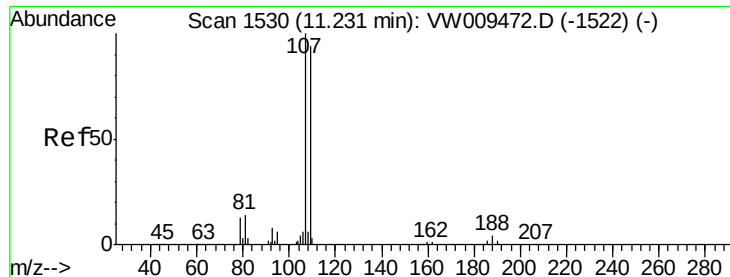
Tot Ion: 43 Resp: 183305
Ion Ratio Lower Upper
43 100
58 50.2 39.2 58.8
57 17.6 14.2 21.2
100 10.8 8.9 13.3



#50
Dibromochloromethane
Concen: 28.601 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009491.D
Acq: 27 Mar 2019 04:11

Tgt Ion: 129 Resp: 141496
Ion Ratio Lower Upper
129 100
127 78.8 56.8 105.6

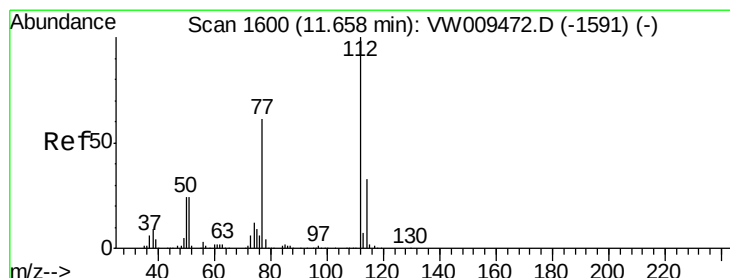
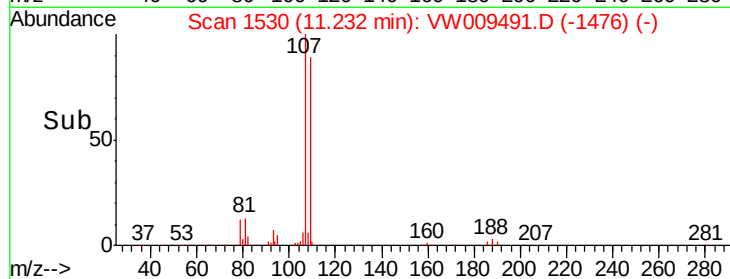
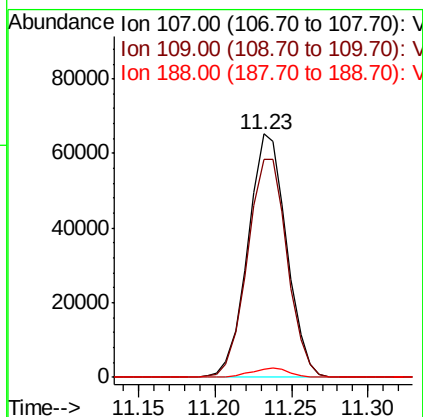
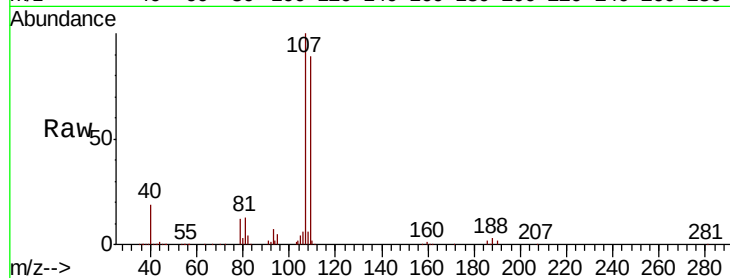




#51
 1,2-Dibromoethane
 Concen: 28.262 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009491.D
 Acq: 27 Mar 2019 04:11

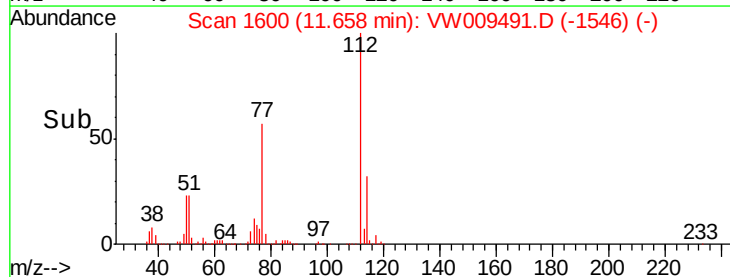
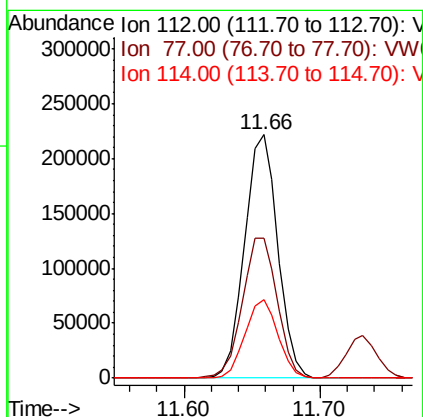
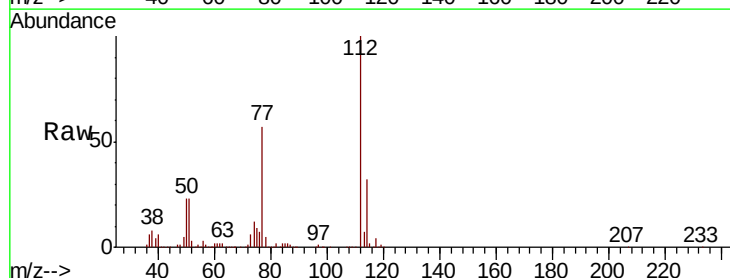
Instrument :
 MSVOA_W
 ClientSampleId :

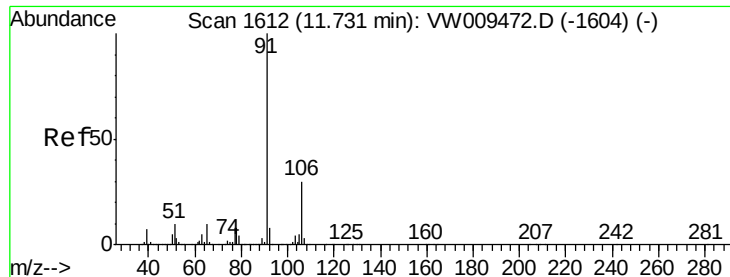
Tot Ion:107 Resp: 114824
 Ion Ratio Lower Upper
 107 100
 109 89.4 68.0 126.4
 188 3.4 3.5 5.3#



#52
 Chlorobenzene
 Concen: 27.597 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW009491.D
 Acq: 27 Mar 2019 04:11

Tgt Ion:112 Resp: 378849
 Ion Ratio Lower Upper
 112 100
 77 57.2 45.7 68.5
 114 32.0 22.8 42.4





#53

Ethylbenzene

Concen: 27.703 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

Instrument :

MSVOA_W

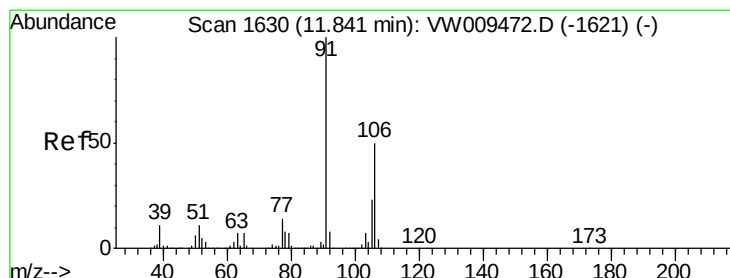
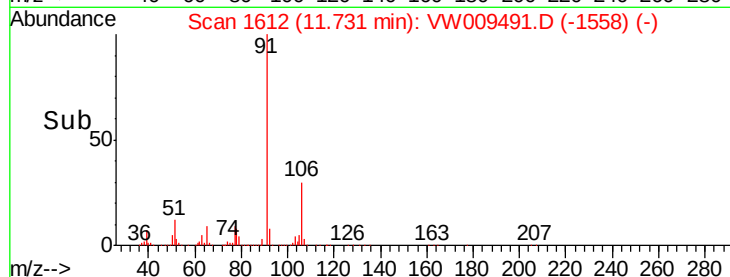
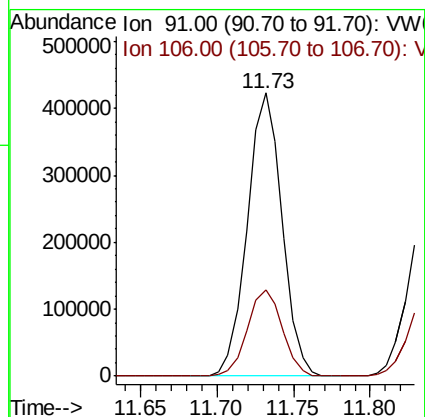
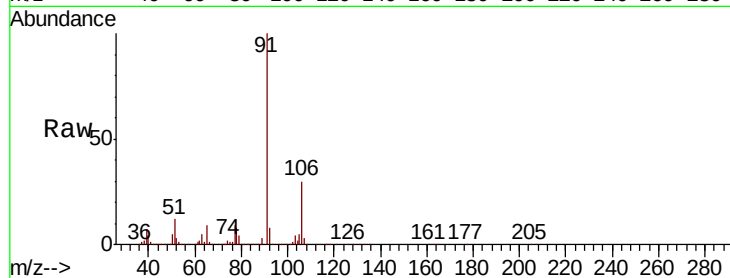
ClientSampled :

Tot Ion: 91 Resp: 666657

Ion Ratio Lower Upper

91 100

106 30.3 21.0 39.0



#54

m,p-Xylene

Concen: 27.366 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009491.D

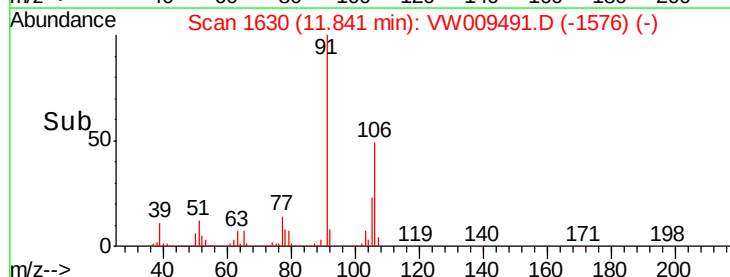
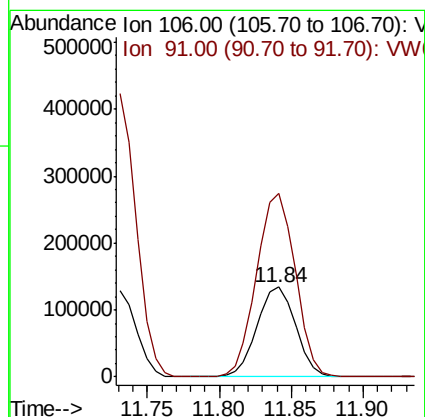
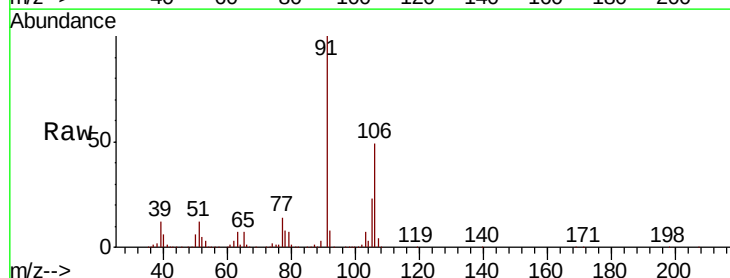
Acq: 27 Mar 2019 04:11

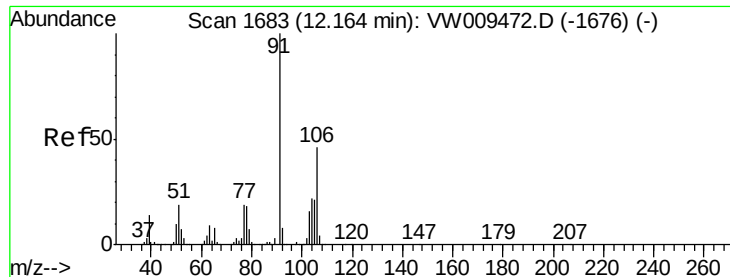
Tgt Ion: 106 Resp: 250189

Ion Ratio Lower Upper

106 100

91 204.8 138.4 257.0

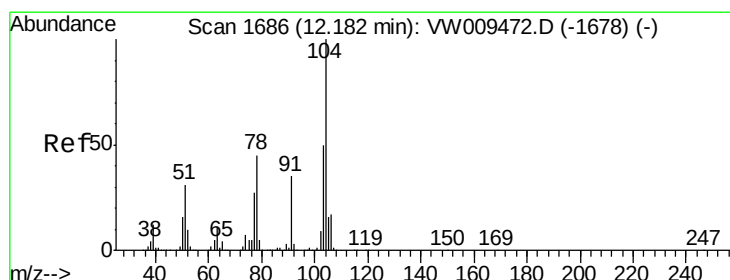
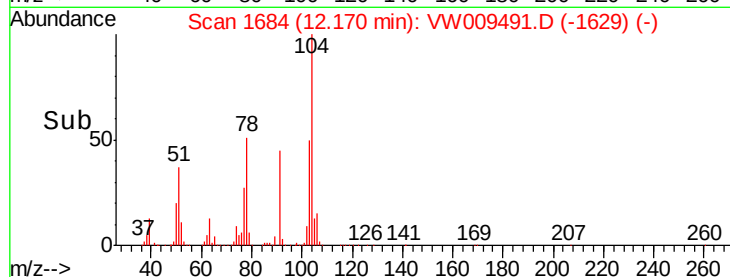
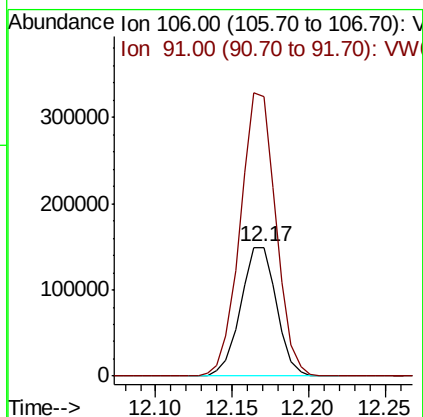
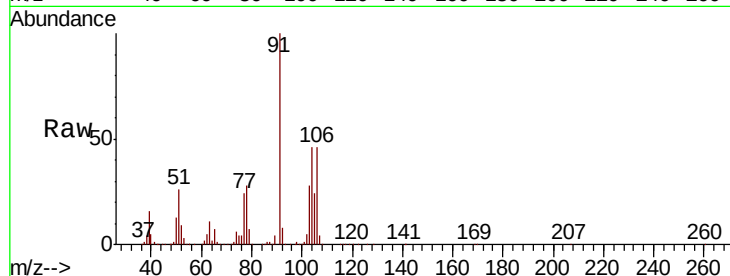




#55
o-xylene
Concen: 27.219 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW009491.D
Acq: 27 Mar 2019 04:11

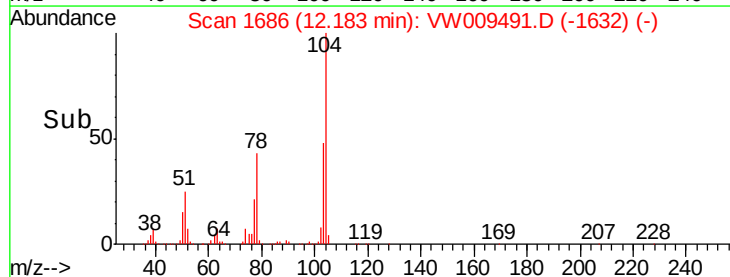
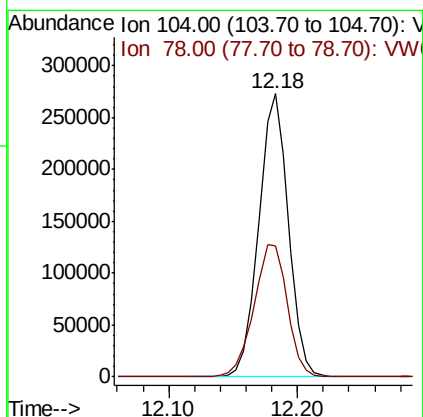
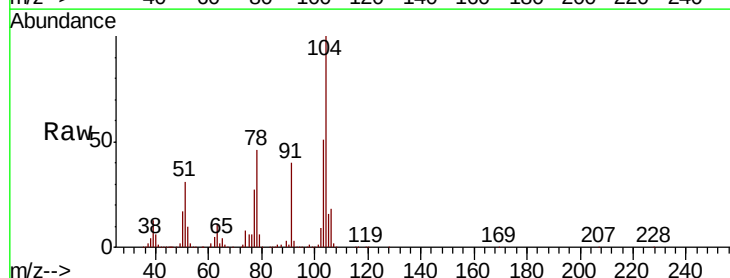
Instrument :
MSVOA_W
ClientSampled :

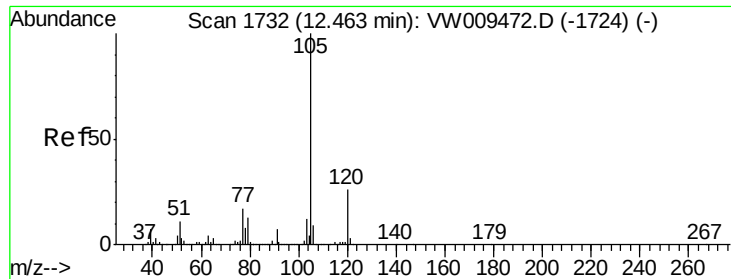
Tot Ion:106 Resp: 242768
Ion Ratio Lower Upper
106 100
91 217.2 153.2 284.4



#56
Styrene
Concen: 28.365 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009491.D
Acq: 27 Mar 2019 04:11

Tgt Ion:104 Resp: 431646
Ion Ratio Lower Upper
104 100
78 46.2 30.9 57.3





#57

Isopropylbenzene

Concen: 27.713 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009491.D

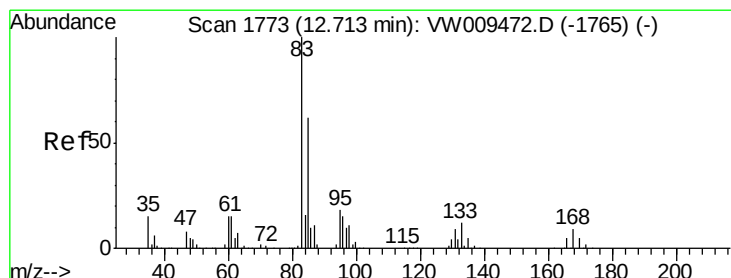
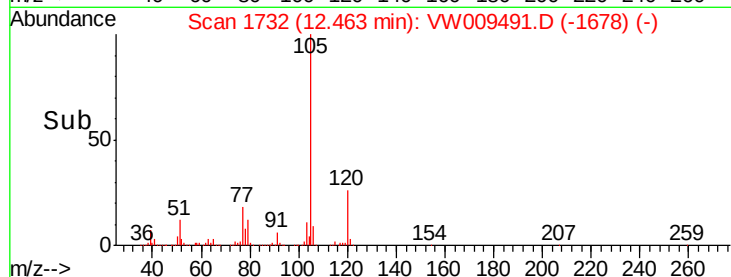
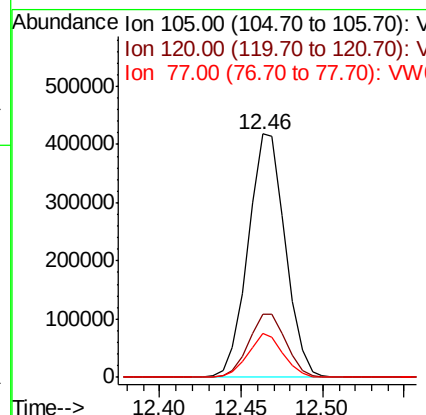
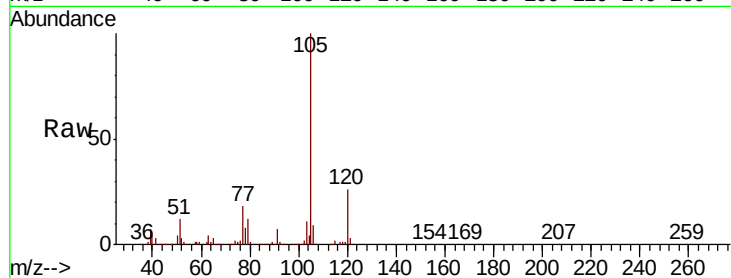
Acq: 27 Mar 2019 04:11

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	105	Resp:	662128
Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.3	31.9
77	16.9	13.1	19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 29.660 ug/L

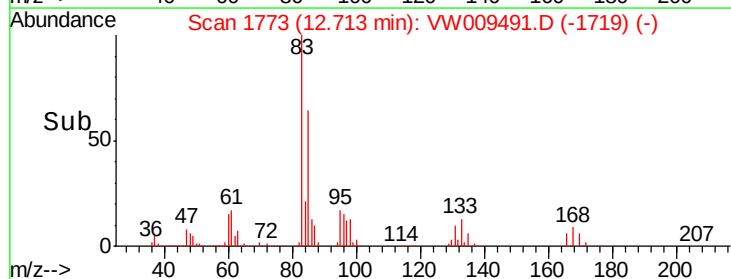
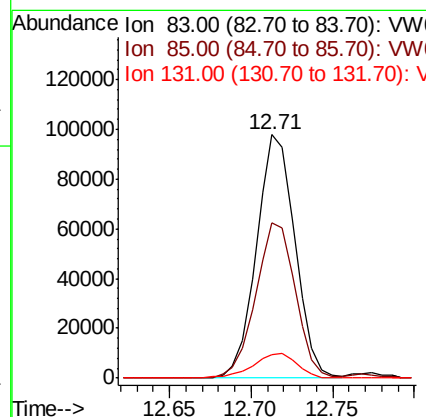
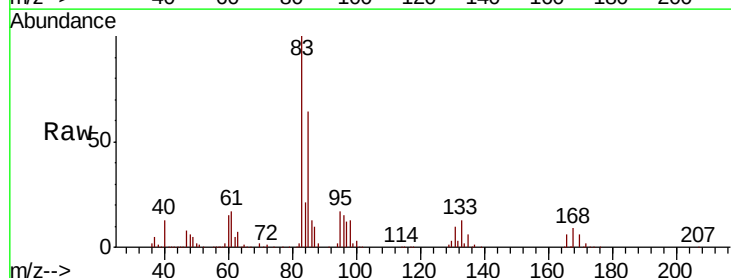
RT: 12.71 min Scan# 1773

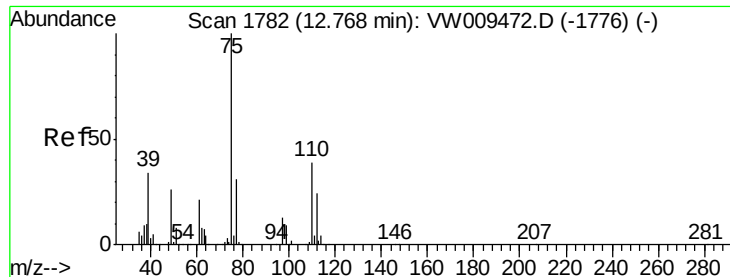
Delta R.T. 0.00 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

Tgt Ion:	83	Resp:	160362
Ion	Ratio	Lower	Upper
83	100		
85	63.9	45.6	84.8
131	9.7	9.2	13.8





#59

1,2,3-Trichloropropane

Concen: 30.133 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

Instrument :

MSVOA_W

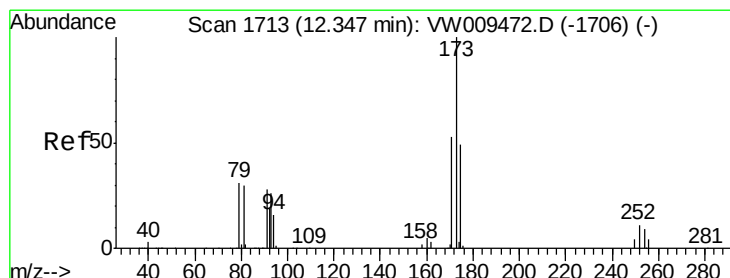
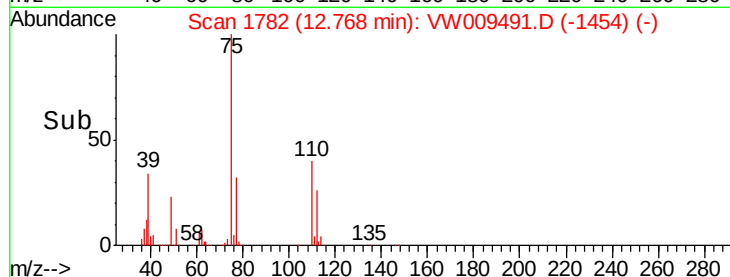
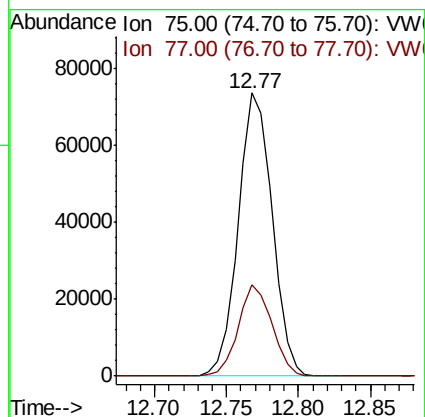
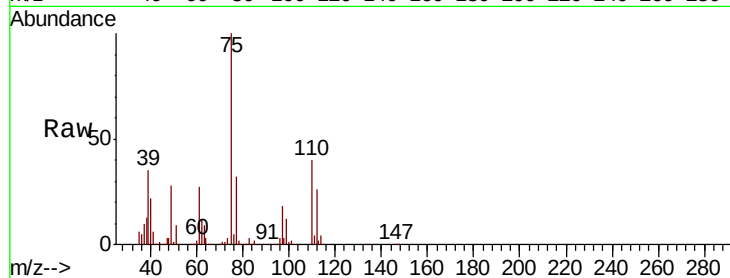
ClientSampled :

Tot Ion: 75 Resp: 120907

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2



#62

Bromoform

Concen: 28.597 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

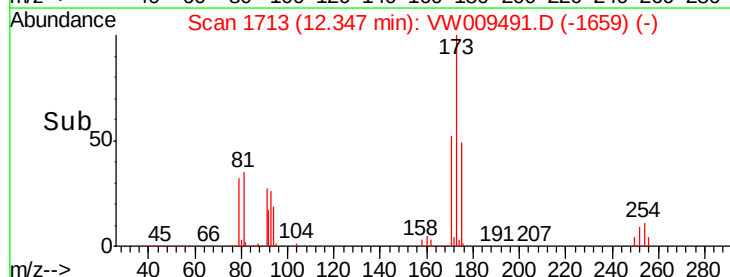
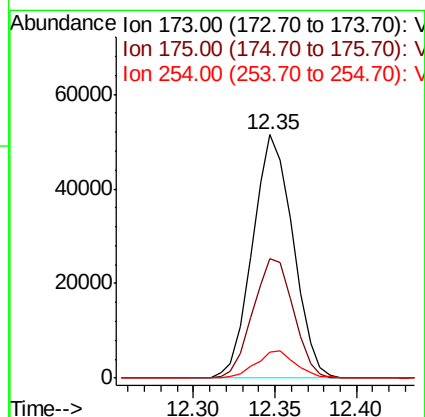
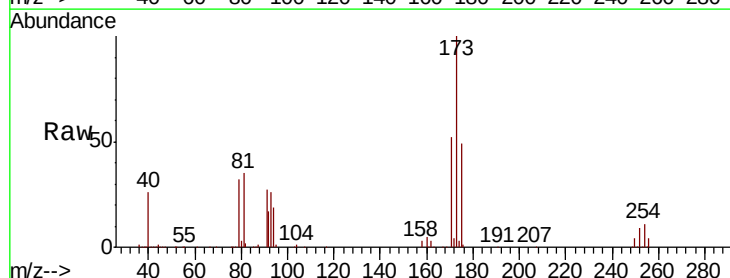
Tgt Ion: 173 Resp: 88573

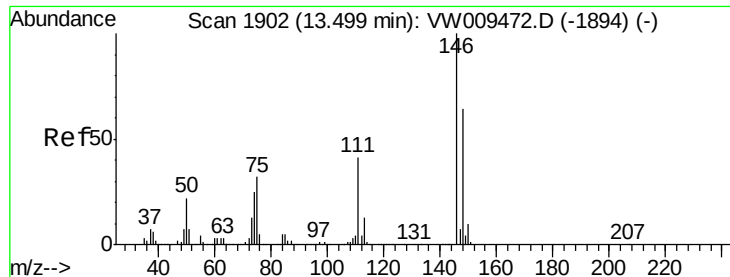
Ion Ratio Lower Upper

173 100

175 49.1 39.7 59.5

254 11.1 8.5 12.7





#63

1,3-Dichlorobenzene

Concen: 26.769 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

Instrument :

MSVOA_W

ClientSampled :

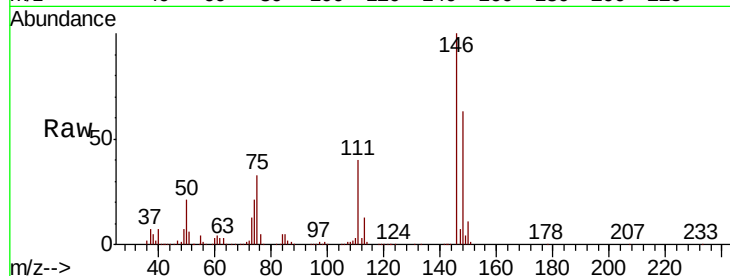
Tot Ion:146 Resp: 292448

Ion Ratio Lower Upper

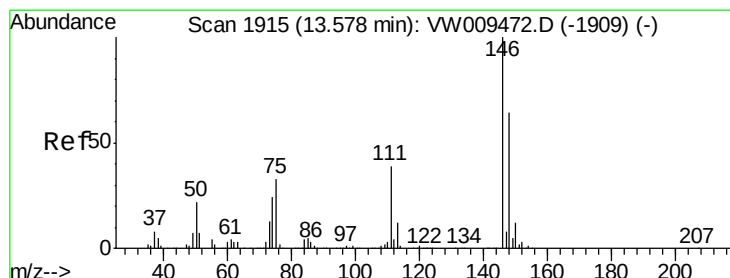
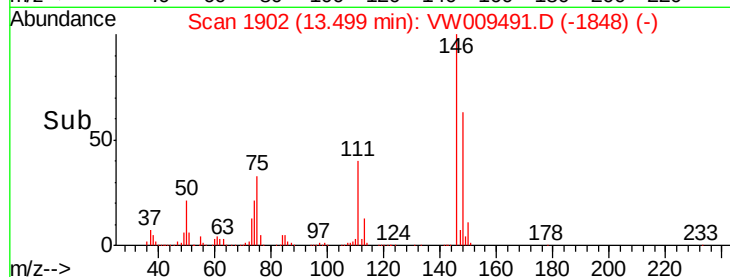
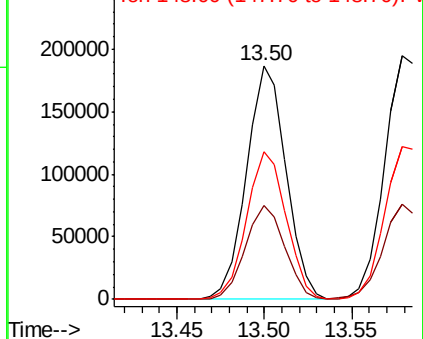
146 100

111 39.9 26.9 49.9

148 63.2 45.1 83.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 27.811 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

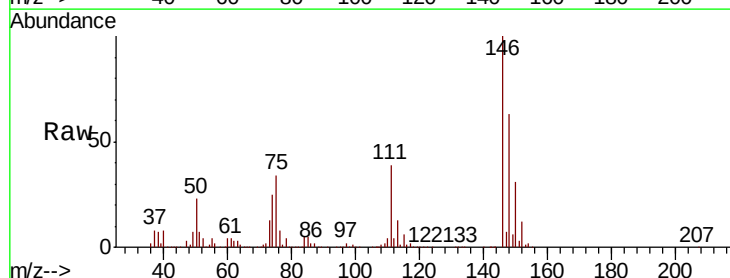
Tgt Ion:146 Resp: 314126

Ion Ratio Lower Upper

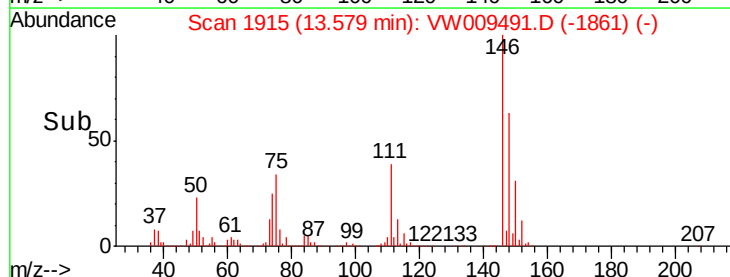
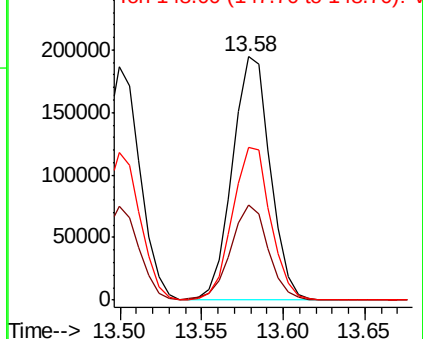
146 100

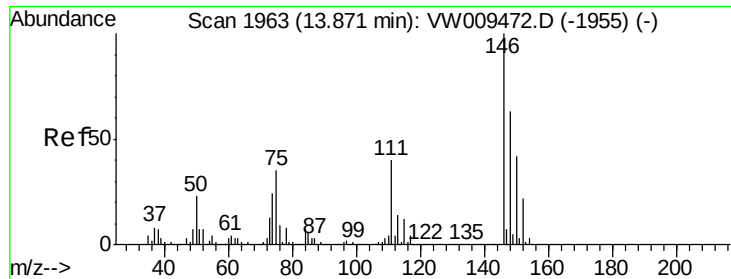
111 39.1 27.8 51.6

148 62.7 46.3 86.1



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

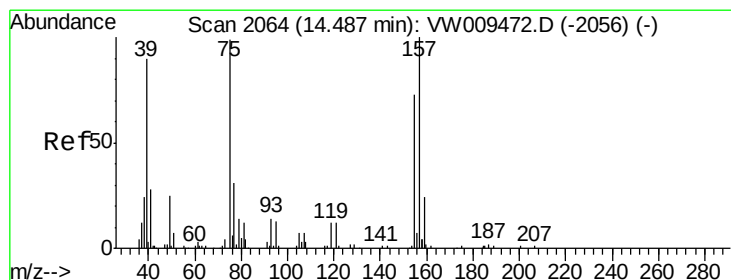
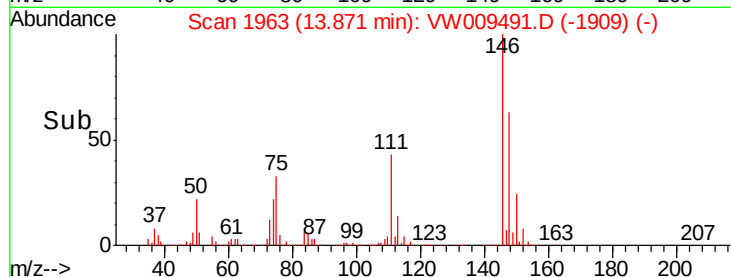
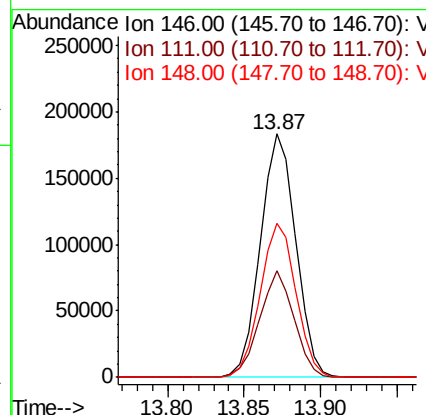
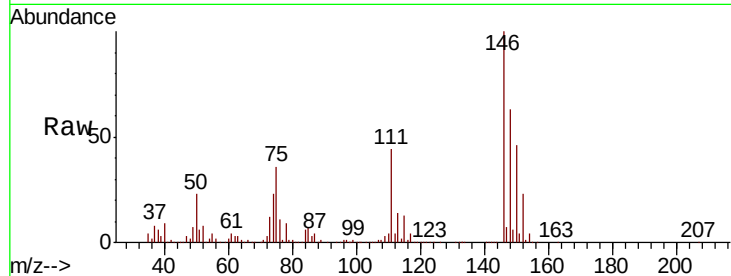




#65
 1,2-Dichlorobenzene
 Concen: 28.402 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009491.D
 Acq: 27 Mar 2019 04:11

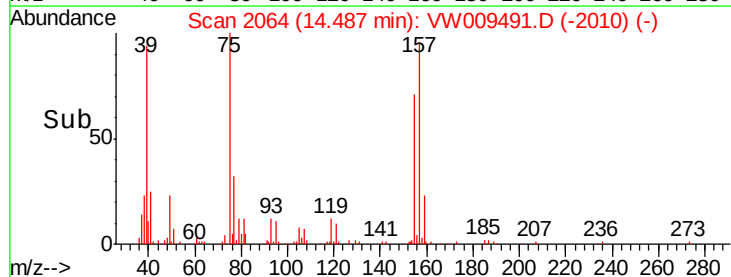
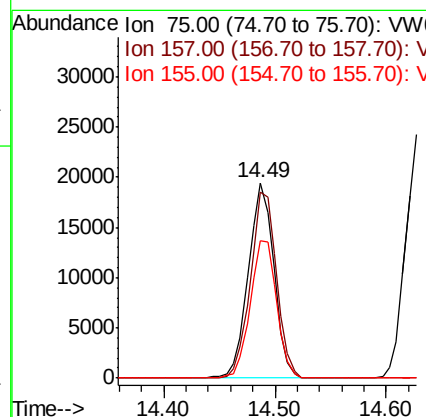
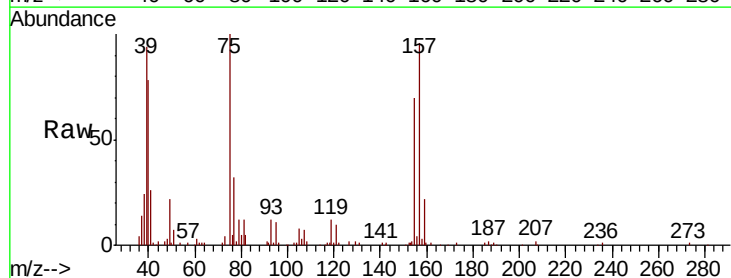
Instrument :
 MSVOA_W
 ClientSampled :

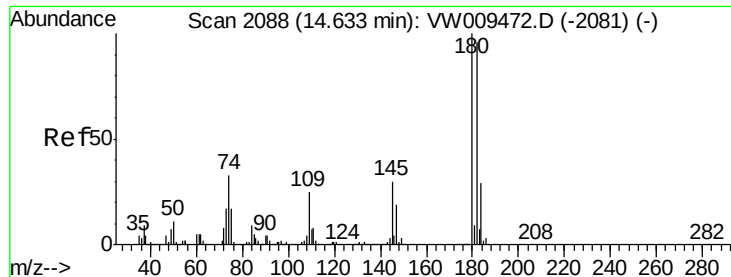
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	33.5	50.3
148	63.3	50.2	75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 30.444 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009491.D
 Acq: 27 Mar 2019 04:11

Tgt Ion	Ratio	Lower	Upper
75	100		
157	95.6	89.0	133.4
155	70.4	64.2	96.2

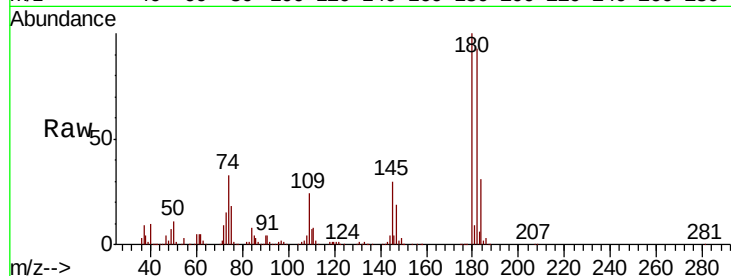




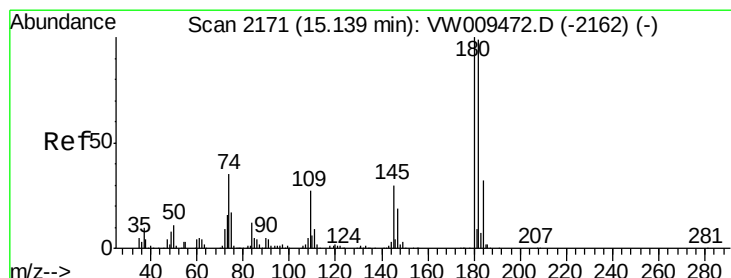
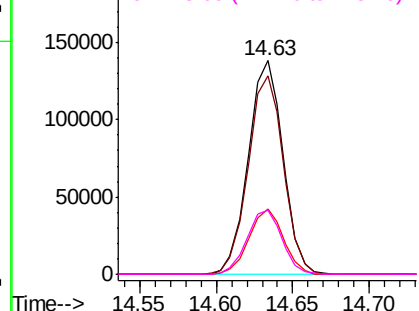
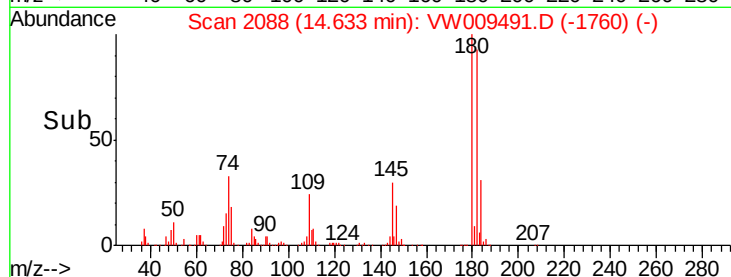
#67
 1,3,5-Trichlorobenzene
 Concen: 25.579 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009491.D
 Acq: 27 Mar 2019 04:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	217967
Ion	Ratio	Lower Upper
180	100	
182	94.2	76.1 114.1
184	30.4	23.8 35.6
145	30.1	23.4 35.2

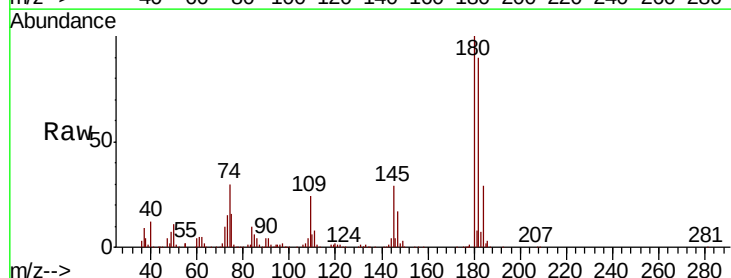


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

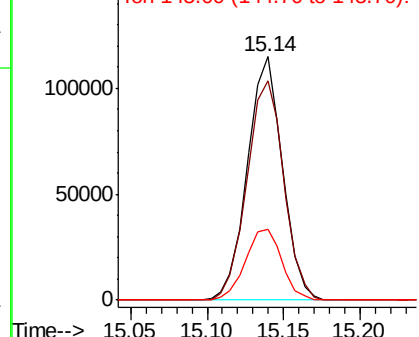
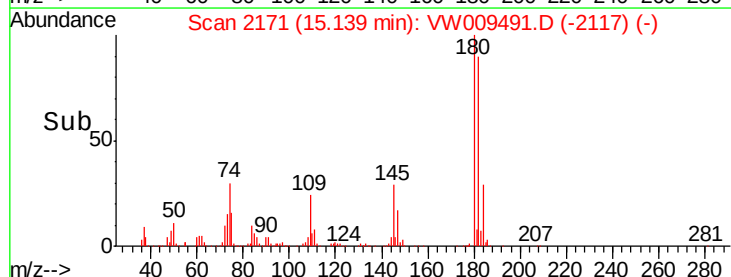


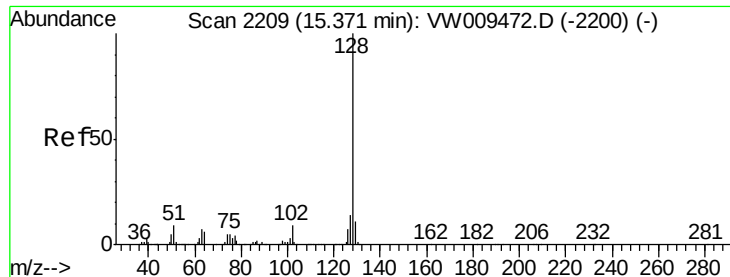
#68
 1,2,4-trichlorobenzene
 Concen: 25.667 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009491.D
 Acq: 27 Mar 2019 04:11

Tgt Ion:180	Resp:	183714
Ion	Ratio	Lower Upper
180	100	
182	94.3	75.5 113.3
145	30.2	24.1 36.1



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





#69

Naphthalene

Concen: 28.998 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

Instrument :

MSVOA_W

ClientSampleId :

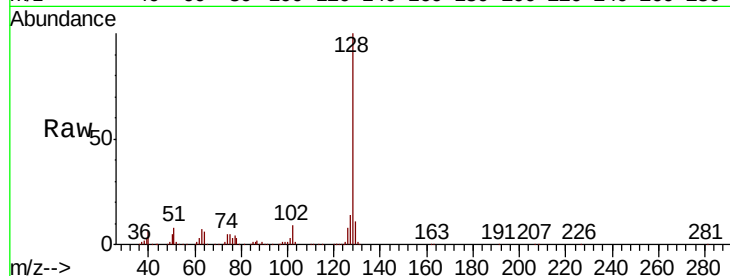
Tot Ion:128 Resp: 430317

Ion Ratio Lower Upper

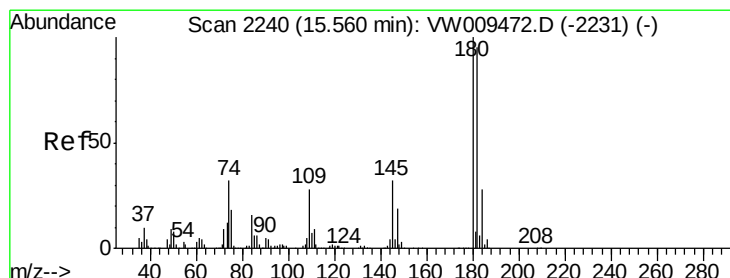
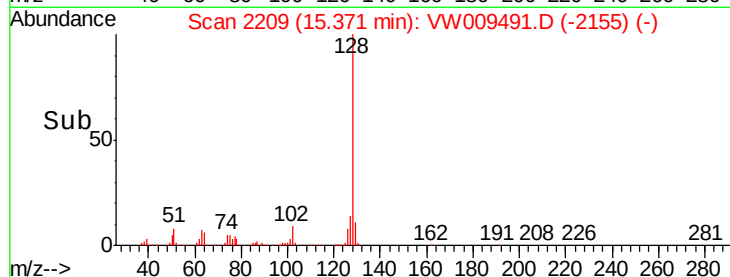
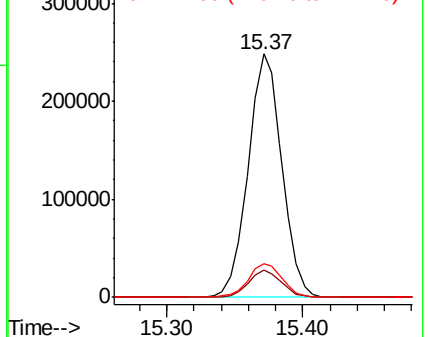
128 100

129 10.9 8.7 13.1

127 14.0 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.533 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009491.D

Acq: 27 Mar 2019 04:11

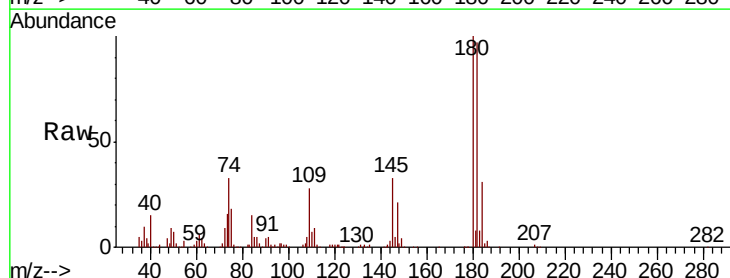
Tgt Ion:180 Resp: 184585

Ion Ratio Lower Upper

180 100

182 96.7 77.2 115.8

145 31.8 25.8 38.6



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

