

Data File : VW009216.D
Acq On : 16 Mar 2019 17:59
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

Quant Time: Mar 18 02:44:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 02:40:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	454086	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	436332	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	219115	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	128100	23.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.44%
7) Chloroethane-d5	2.89	69	127500	20.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.32%
10) 1,1-Dichloroethene-d2	4.03	63	282588	24.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.36%
20) 2-Butanone-d5	7.07	46	104720	46.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.32%
24) Chloroform-d	7.65	84	297420	24.00	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	8.30	65	175552	23.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.08%
29) Benzene-d6	8.27	84	552965	22.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.92%
33) 1,2-Dichloropropane-d6	9.27	67	168086	23.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.04%
37) Toluene-d8	10.32	98	514397	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.48%
38) trans-1,3-Dichloropropene-	10.58	79	80714	22.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.96%
39) 2-Hexanone-d5	10.93	63	82928	47.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	172689	24.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.04%
61) 1,2-Dichlorobenzene-d4	13.86	152	193502	23.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	144976	24.236 ug/L	92
3) Chloromethane	2.21	50	152433	24.018 ug/L	96
5) Vinyl chloride	2.37	62	194045	29.705 ug/L	98
6) Bromomethane	2.78	94	135271	24.717 ug/L	100
8) Chloroethane	2.93	64	132033	24.430 ug/L	91
9) Trichlorofluoromethane	3.26	101	118334	22.933 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	156859	26.323 ug/L	95
12) 1,1-Dichloroethene	4.03	96	153565	27.463 ug/L	91
13) Acetone	4.12	43	90795	49.337 ug/L	100
14) Carbon disulfide	4.38	76	450056	29.906 ug/L	99
15) Methyl Acetate	4.66	43	96950	26.816 ug/L	99
16) Methylene chloride	4.91	84	161385	24.372 ug/L	94
17) Methyl tert-butyl Ether	5.42	73	208901	26.403 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	160950	27.377 ug/L	98
19) 1,1-Dichloroethane	6.21	63	297652	27.768 ug/L	99
21) 2-Butanone	7.17	43	133095	52.379 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	175391	27.540 ug/L	99

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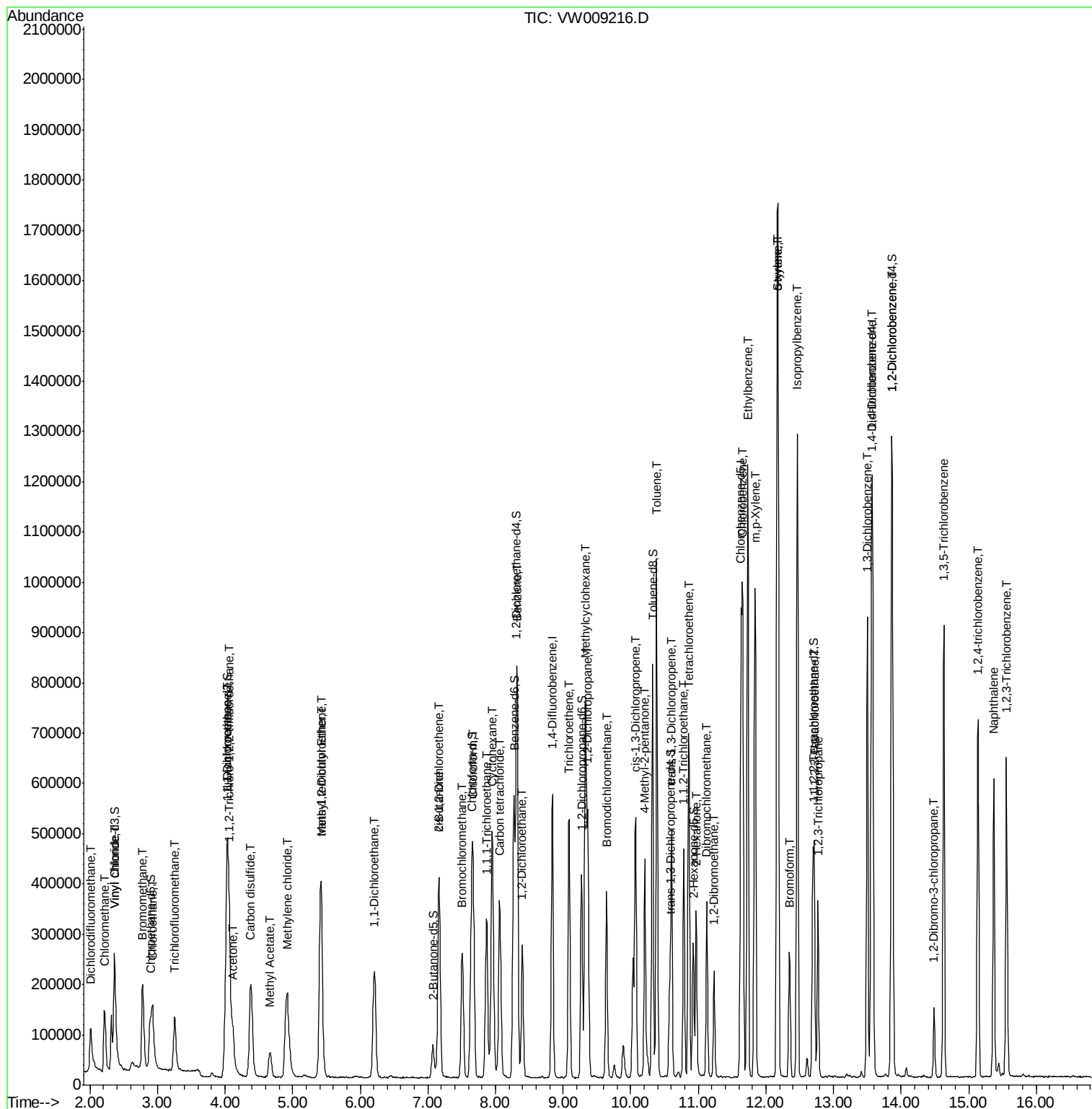
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	85024	27.835	ug/L	96
25) Chloroform	7.67	83	310330	27.645	ug/L	99
27) 1,2-Dichloroethane	8.40	62	233552	27.905	ug/L	99
30) Cyclohexane	7.95	56	264103	26.651	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	239890	27.527	ug/L	98
32) Carbon tetrachloride	8.07	117	247805	28.184	ug/L	98
34) Benzene	8.32	78	659935	27.633	ug/L	100
35) Trichloroethene	9.09	95	172038	27.034	ug/L	99
36) Methylcyclohexane	9.34	83	290263	26.364	ug/L	99
40) 1,2-Dichloropropane	9.37	63	168271	27.457	ug/L	100
41) Bromodichloromethane	9.64	83	233485	27.497	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	269163	26.966	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	291251	52.447	ug/L	99
44) Toluene	10.38	91	719006	27.535	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	233701	26.915	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	133041	27.211	ug/L	98
47) Tetrachloroethene	10.86	164	144629	26.898	ug/L	95
49) 2-Hexanone	10.97	43	205800	52.618	ug/L	98
50) Dibromochloromethane	11.13	129	167987	27.833	ug/L	94
51) 1,2-Dibromoethane	11.23	107	134807	27.198	ug/L	94
52) Chlorobenzene	11.66	112	452907	27.043	ug/L	98
53) Ethylbenzene	11.73	91	803131	27.357	ug/L	100
54) m,p-Xylene	11.84	106	298492	26.763	ug/L	94
55) o-xylene	12.17	106	294507	27.067	ug/L	96
56) Styrene	12.18	104	511565	27.556	ug/L	98
57) Isopropylbenzene	12.47	105	786711	26.991	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	181530	27.522	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	132662	27.102	ug/L	99
62) Bromoform	12.35	173	104979	28.356	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	352277	26.976	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	370127	27.414	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	339930	27.295	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	31880	26.119	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	262371	25.759	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	217542	25.426	ug/L	98
69) Naphthalene	15.37	128	474192	26.732	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	207715	25.920	ug/L	99

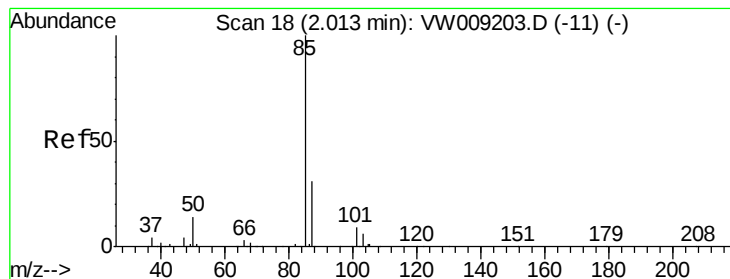
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.236 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

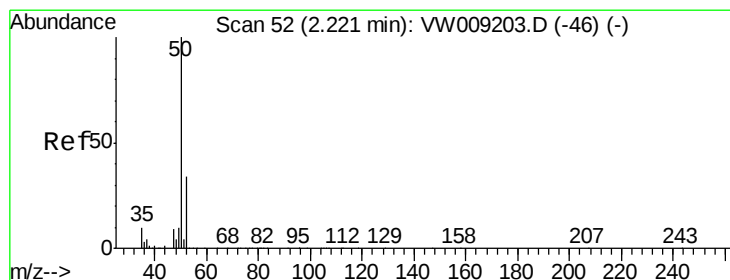
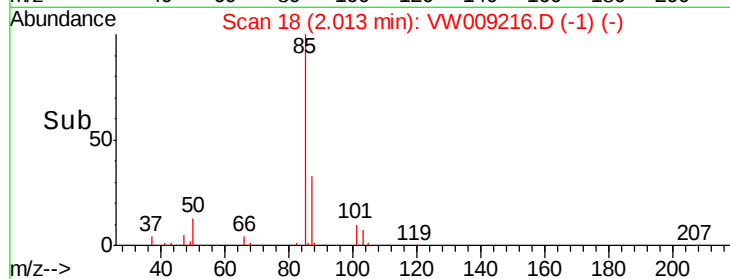
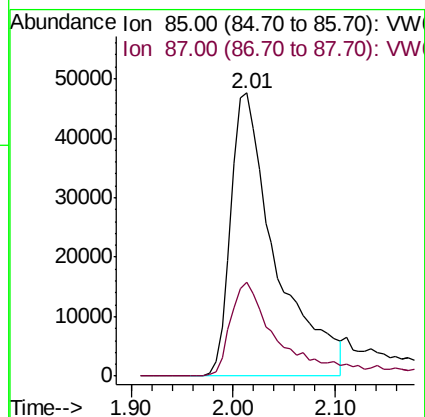
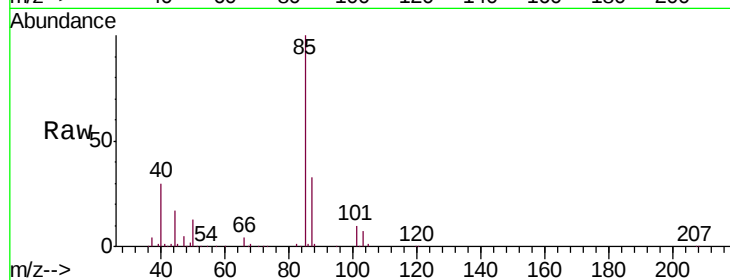
VSTD02512

Tgt Ion: 85 Resp: 144976

Ion Ratio Lower Upper

85 100

87 32.1 19.5 36.3



#3

Chloromethane

Concen: 24.018 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW009216.D

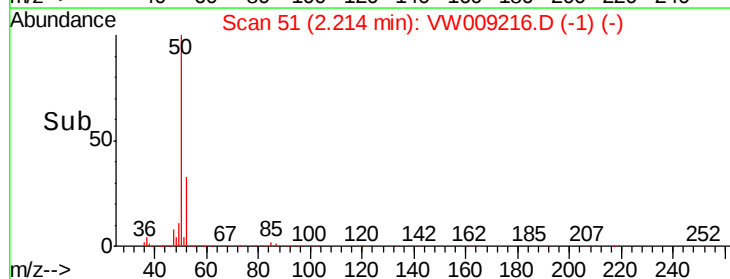
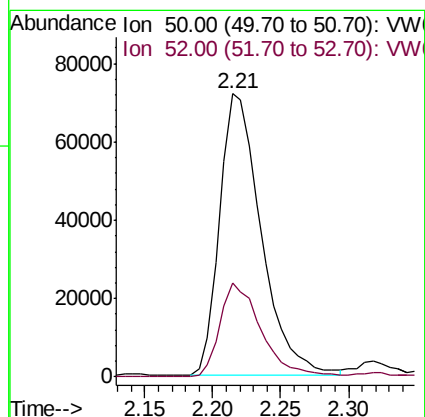
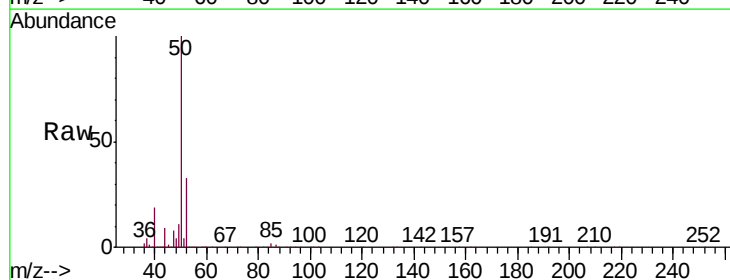
Acq: 16 Mar 2019 17:59

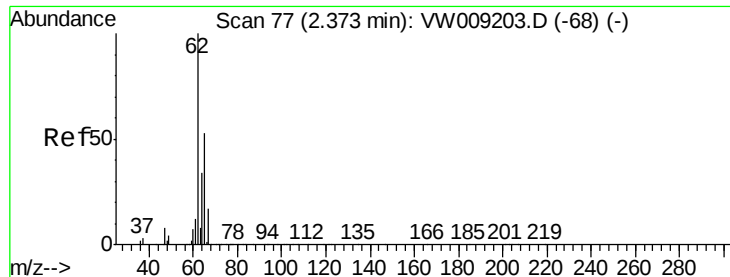
Tgt Ion: 50 Resp: 152433

Ion Ratio Lower Upper

50 100

52 33.0 21.6 40.2





#5

Vinyl chloride

Concen: 29.705 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

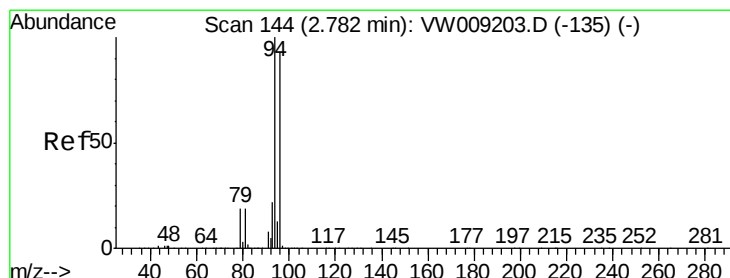
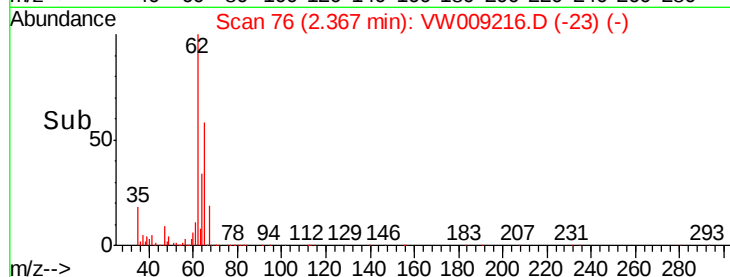
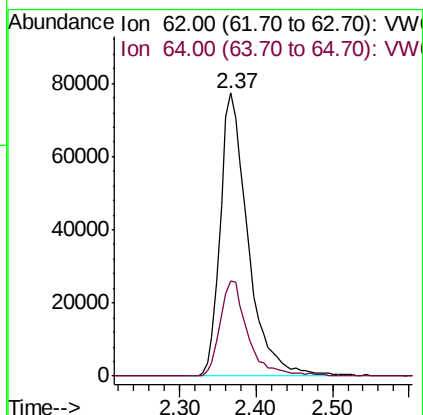
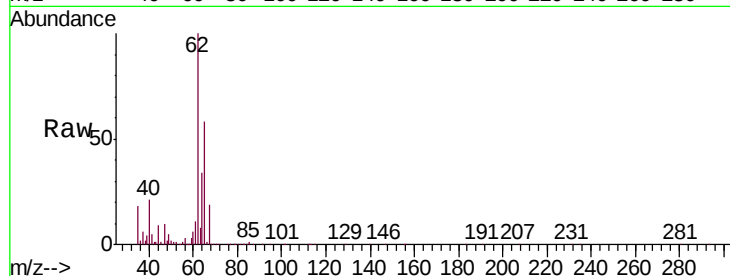
VSTD02512

Tgt Ion: 62 Resp: 194045

Ion Ratio Lower Upper

62 100

64 33.7 23.0 42.6



#6

Bromomethane

Concen: 24.717 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW009216.D

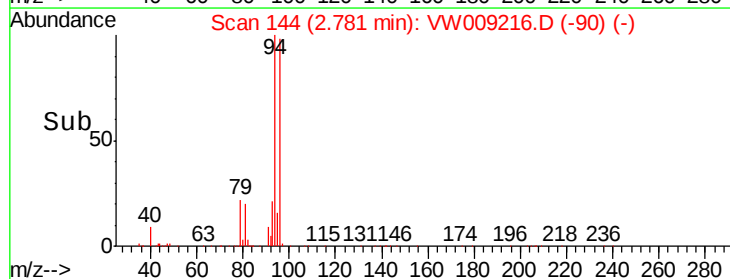
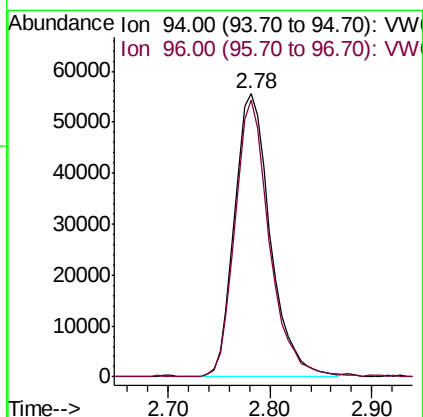
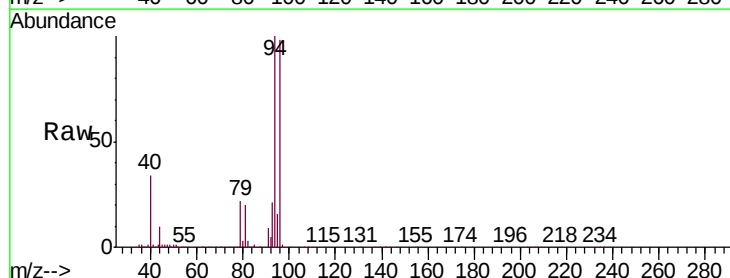
Acq: 16 Mar 2019 17:59

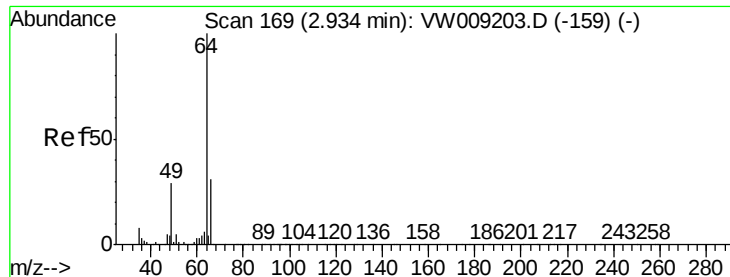
Tgt Ion: 94 Resp: 135271

Ion Ratio Lower Upper

94 100

96 94.0 9.4 178.4

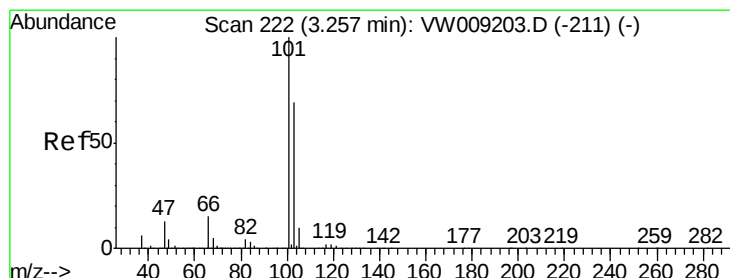
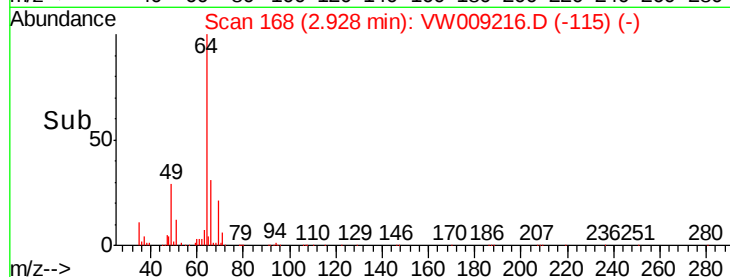
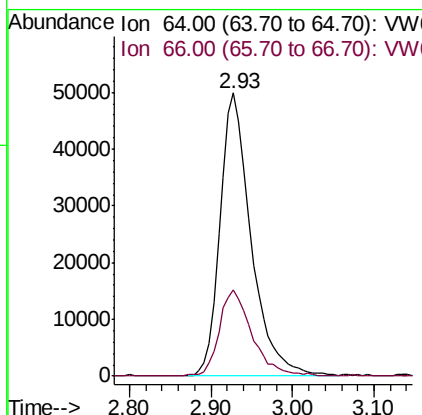
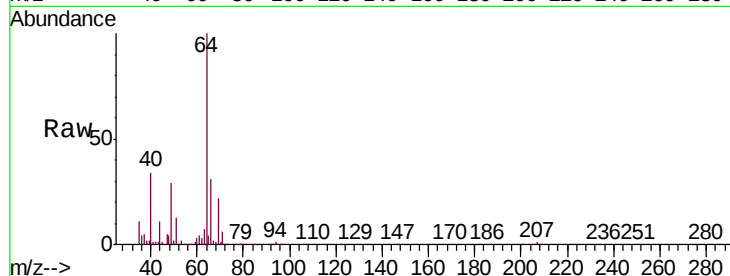




#8
Chloroethane
Concen: 24.430 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.01 min
Lab File: VW009216.D
Acq: 16 Mar 2019 17:59

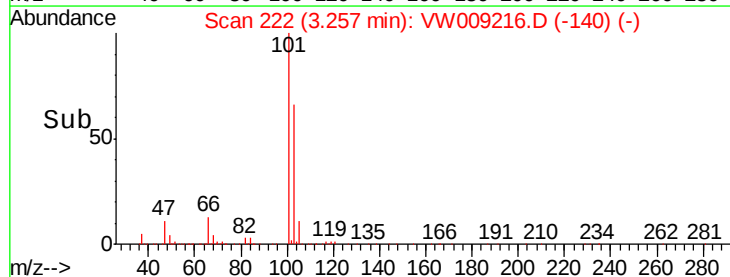
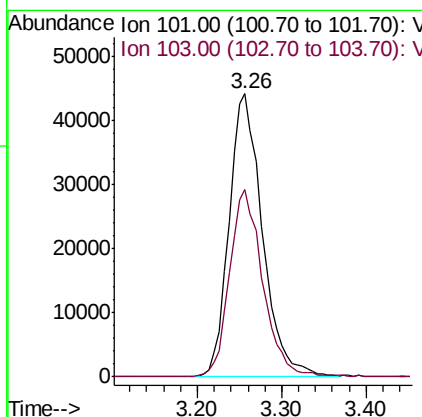
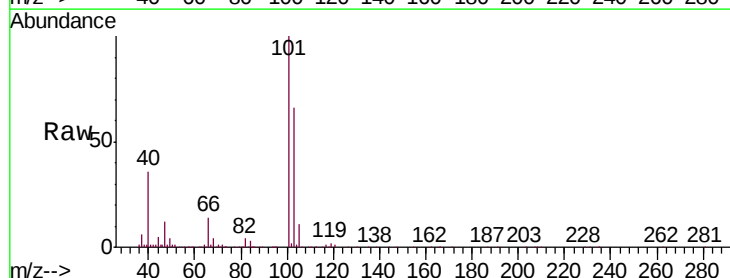
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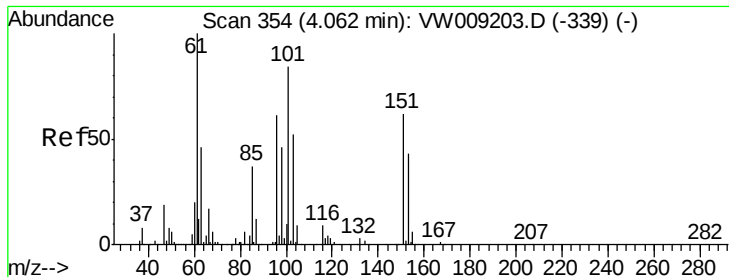
Tgt Ion: 64 Resp: 132033
Ion Ratio Lower Upper
64 100
66 30.6 25.1 46.7



#9
Trichlorofluoromethane
Concen: 22.933 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW009216.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 101 Resp: 118334
Ion Ratio Lower Upper
101 100
103 65.2 45.0 83.6





#11

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

Concen: 26.323 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

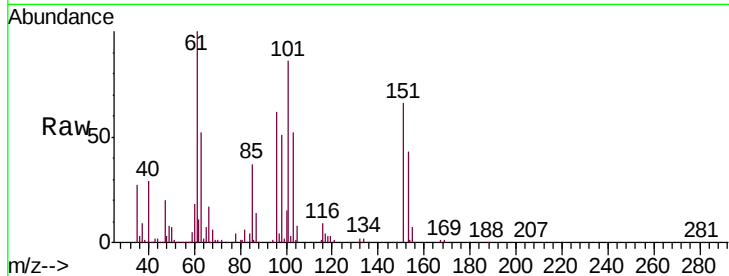
Tgt Ion: 101 Resp: 156859

Ion Ratio Lower Upper

101 100

85 46.6 32.6 48.8

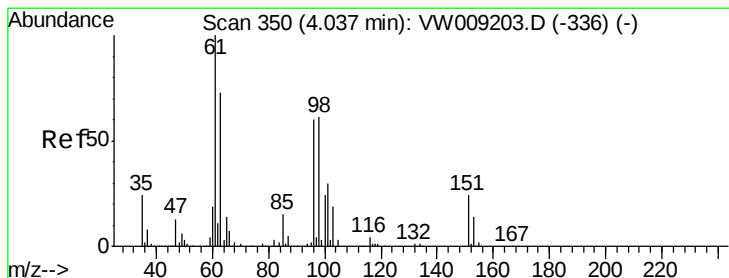
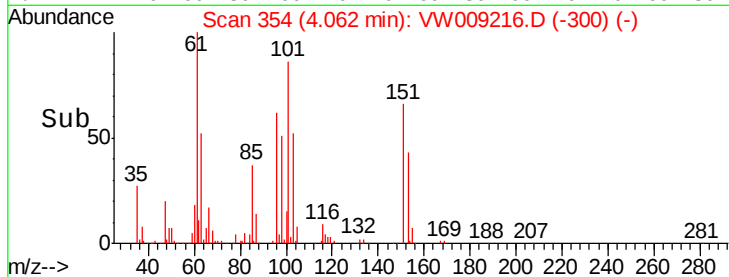
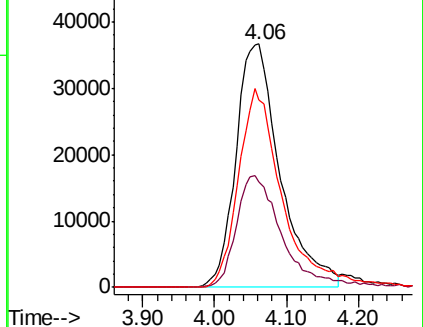
151 76.5 63.3 94.9



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: 27.463 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

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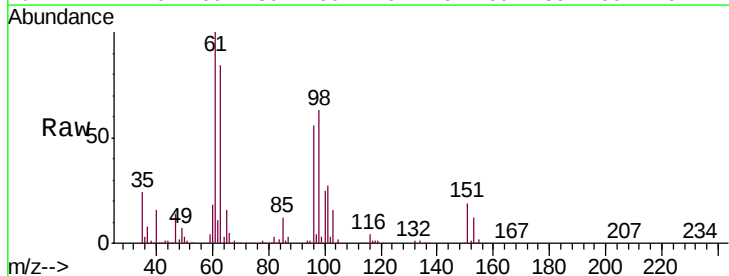
Tgt Ion: 96 Resp: 153565

Ion Ratio Lower Upper

96 100

61 177.1 129.4 240.2

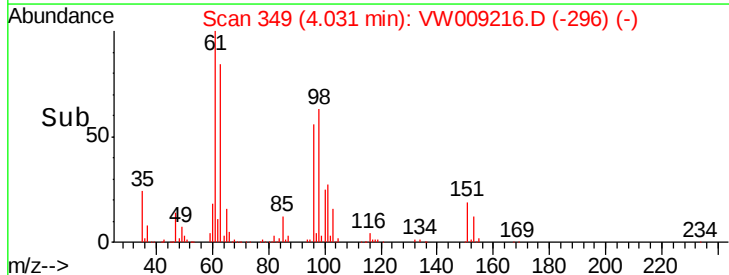
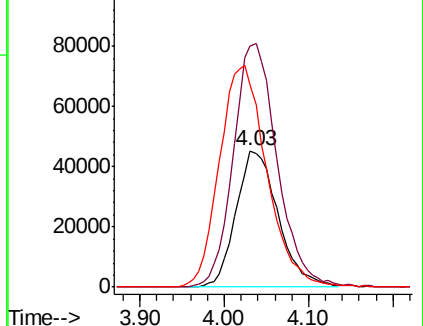
63 148.9 116.8 217.0

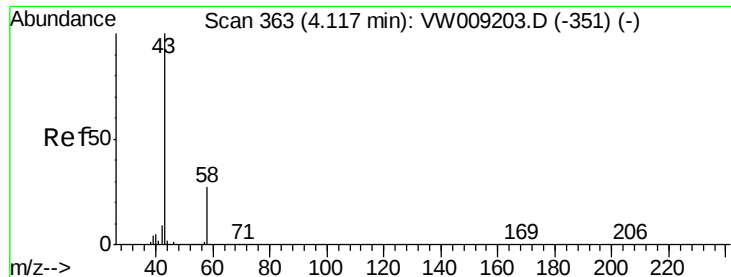


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.337 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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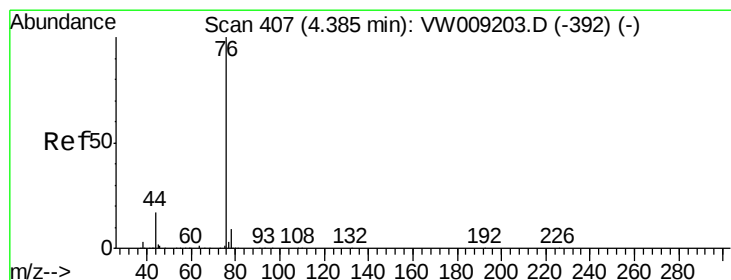
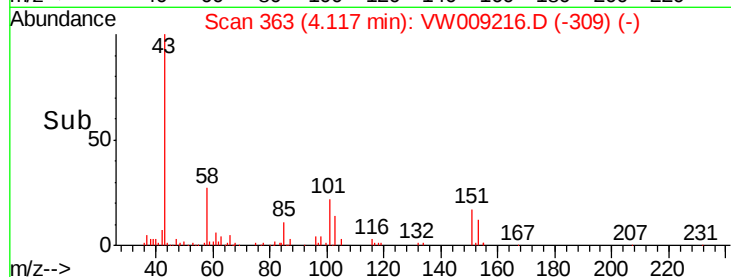
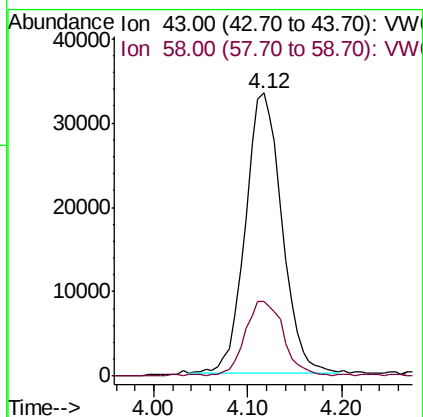
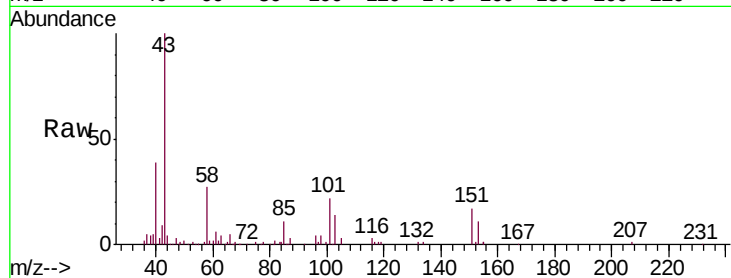
VSTD02512

Tgt Ion: 43 Resp: 90795

Ion Ratio Lower Upper

43 100

58 27.9 0.0 56.2



#14

Carbon disulfide

Concen: 29.906 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW009216.D

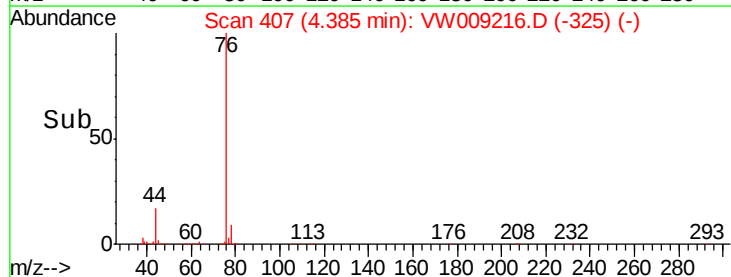
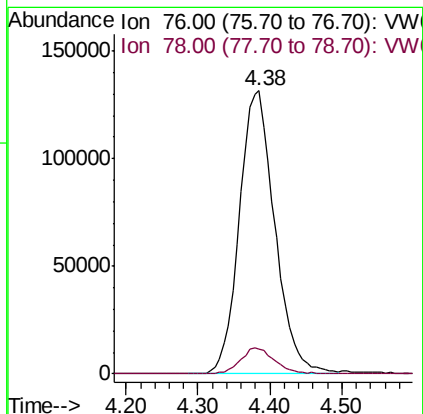
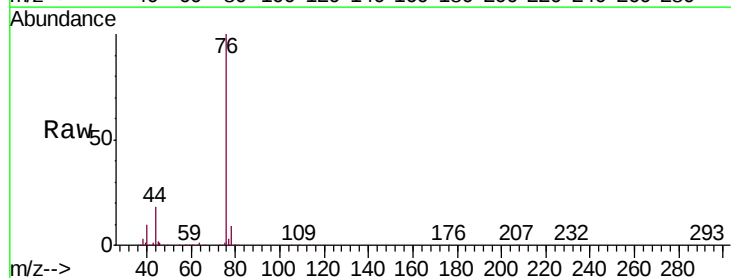
Acq: 16 Mar 2019 17:59

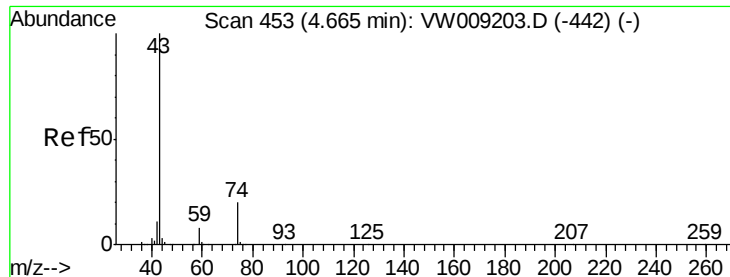
Tgt Ion: 76 Resp: 450056

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

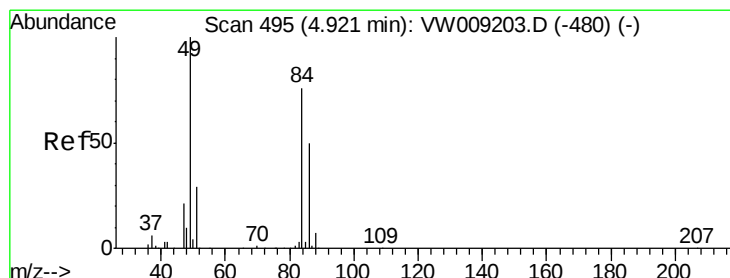
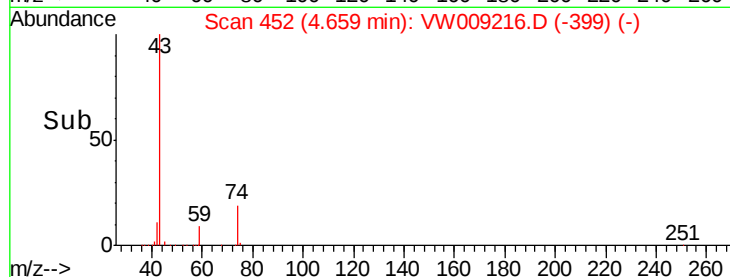
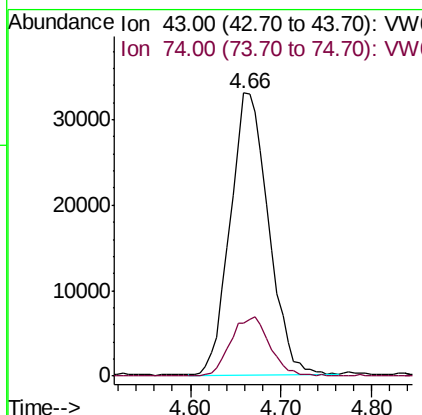
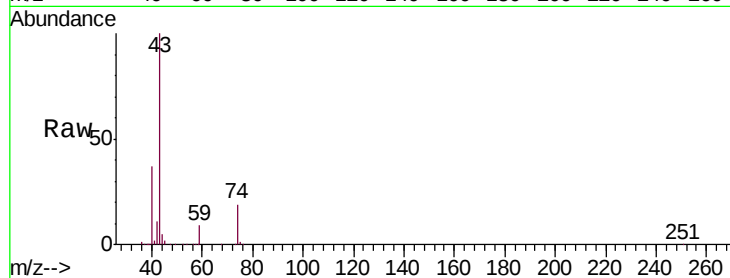




#15
Methyl Acetate
Concen: 26.816 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW009216.D
Acq: 16 Mar 2019 17:59

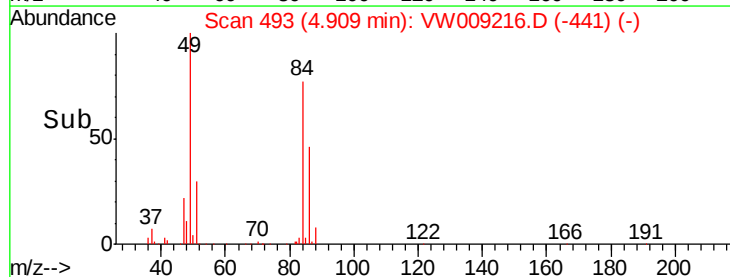
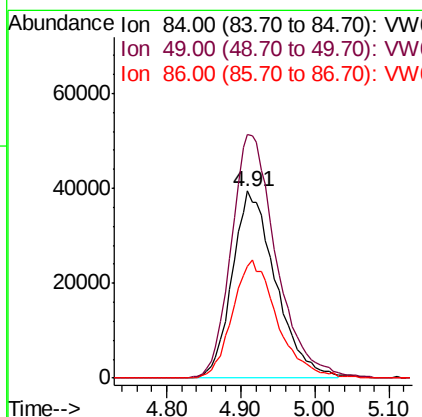
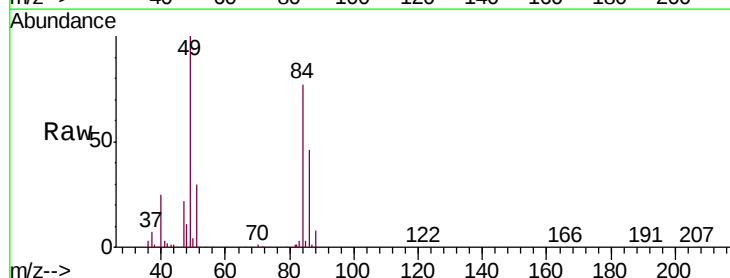
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

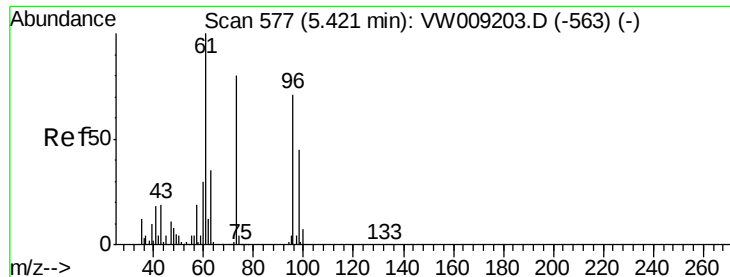
Tgt Ion: 43 Resp: 96950
Ion Ratio Lower Upper
43 100
74 21.2 16.7 25.1



#16
Methylene chloride
Concen: 24.372 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009216.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 84 Resp: 161385
Ion Ratio Lower Upper
84 100
49 130.1 96.0 178.2
86 59.7 44.4 82.5

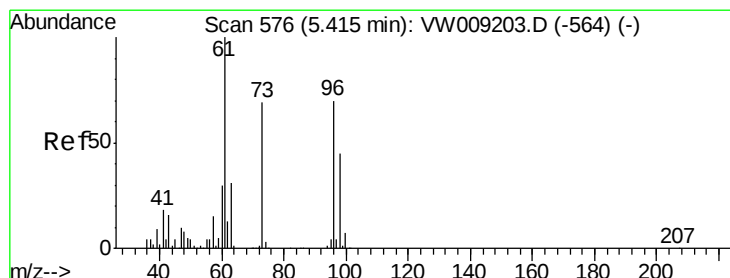
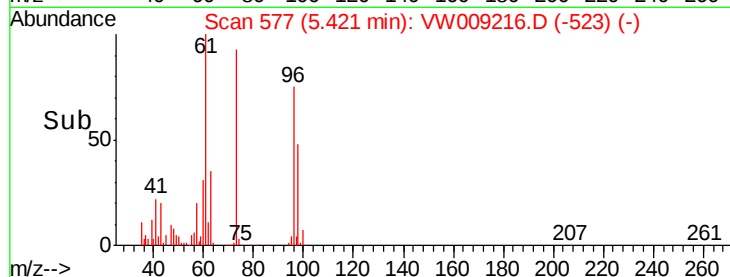
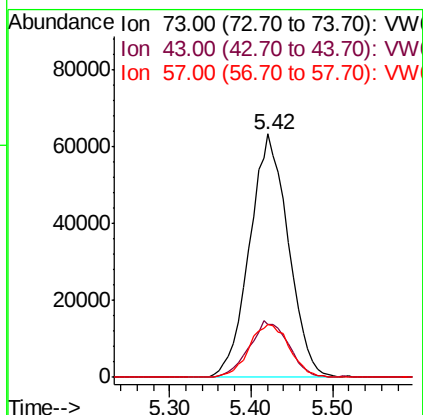
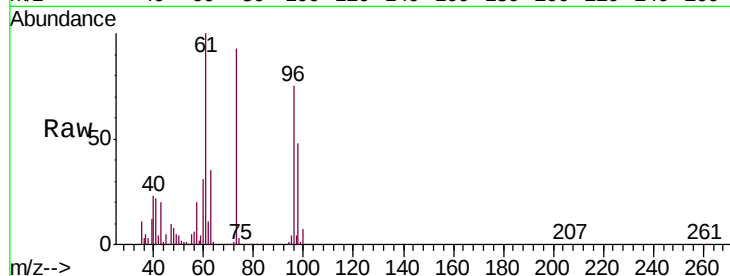




#17
Methyl tert-butyl Ether
Concen: 26.403 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW009216.D
Acq: 16 Mar 2019 17:59

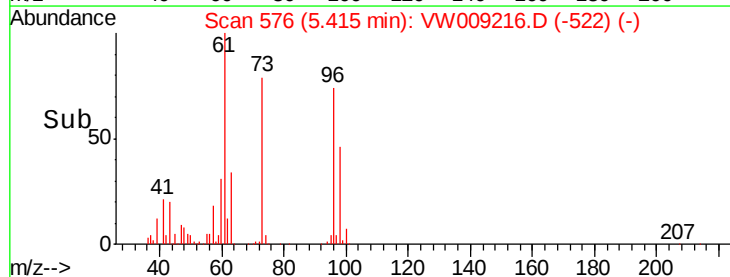
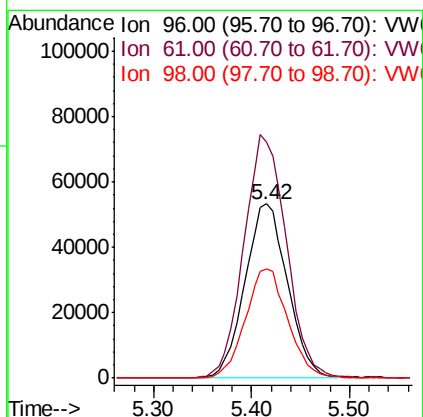
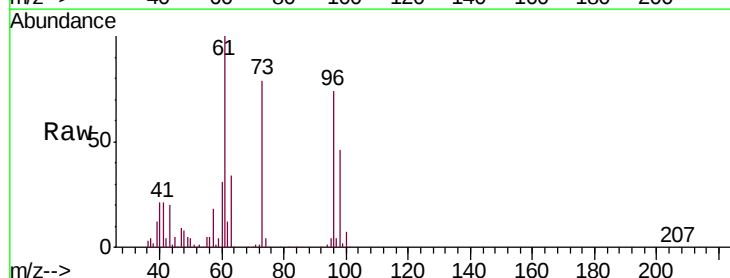
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

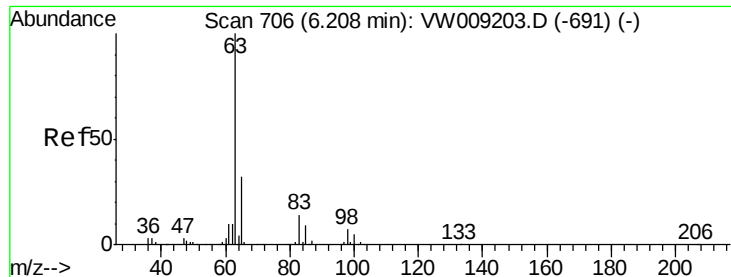
Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.3	18.2	27.4
57	22.9	17.8	26.8



#18
trans-1,2-Dichloroethene
Concen: 27.377 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW009216.D
Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.2	96.7	179.5
98	62.6	43.8	81.4

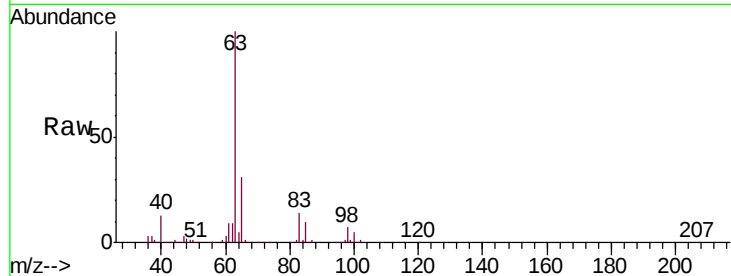




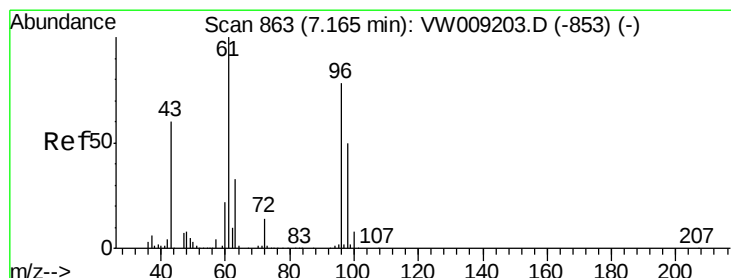
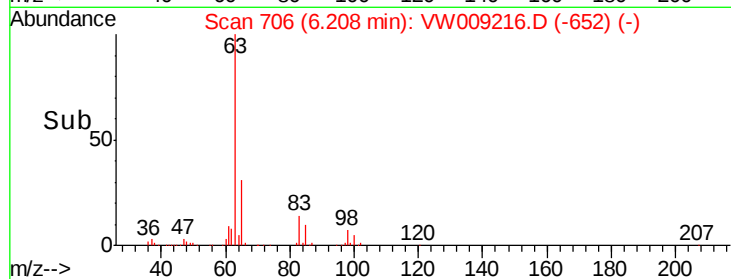
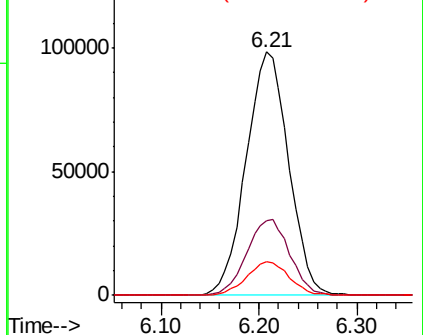
#19
 1,1-Dichloroethane
 Concen: 27.768 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02512

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.6	21.6	40.0
83	13.9	10.1	18.7

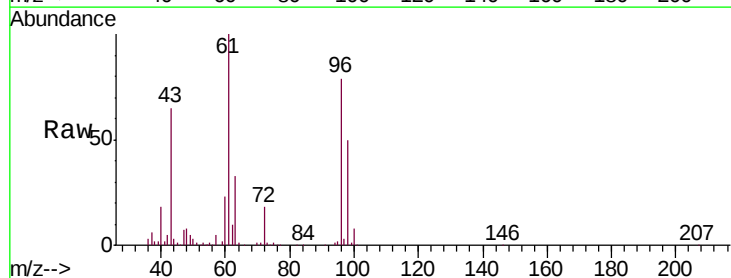


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

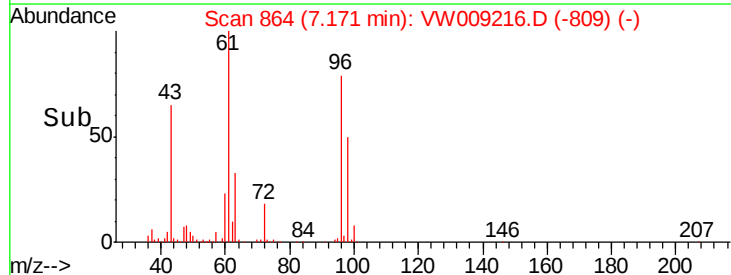
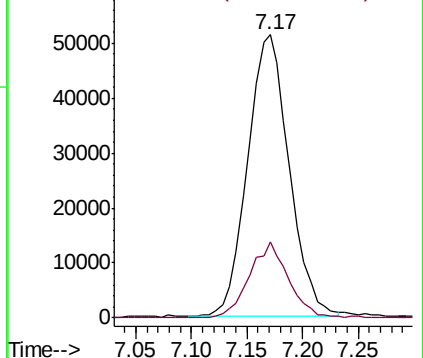


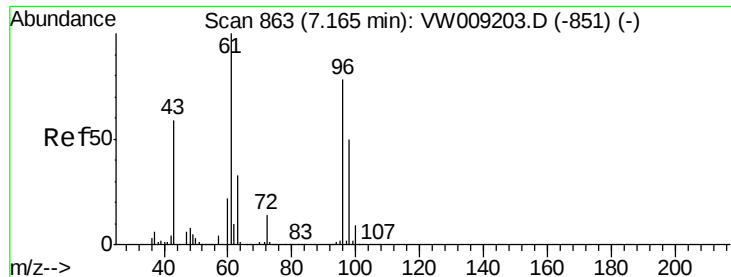
#21
 2-Butanone
 Concen: 52.379 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.4	13.1	39.1



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW



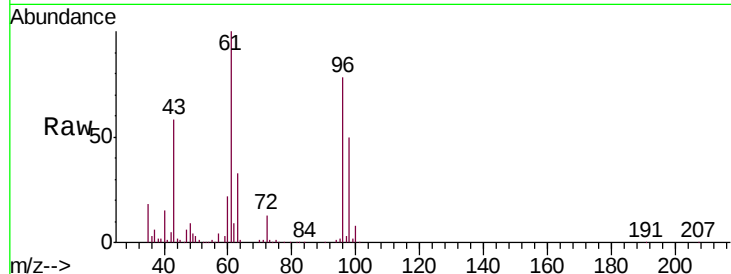


#22

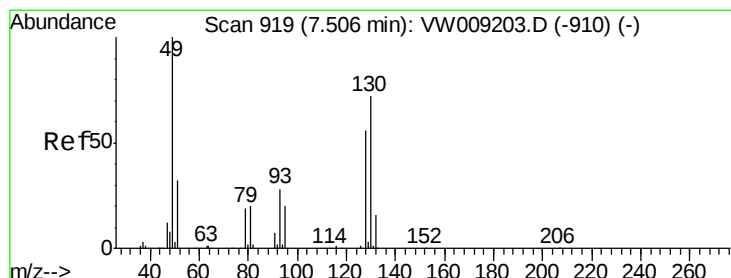
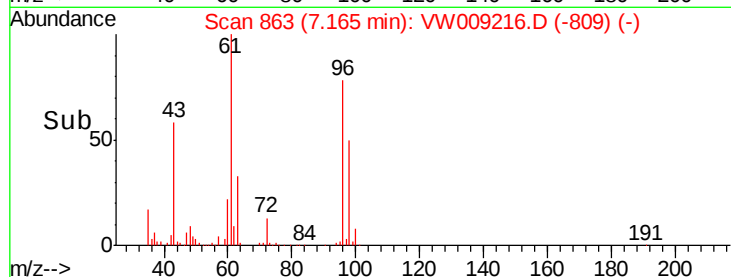
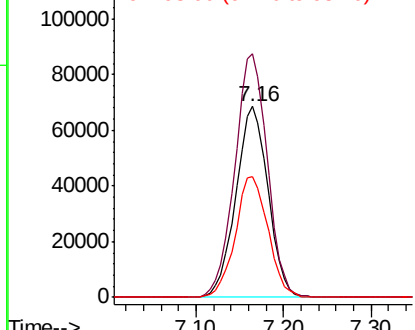
cis-1,2-Dichloroethene
 Concen: 27.540 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Tgt Ion: 96 Resp: 175391
 Ion Ratio Lower Upper
 96 100
 61 127.5 90.6 168.3
 98 63.5 44.0 81.8



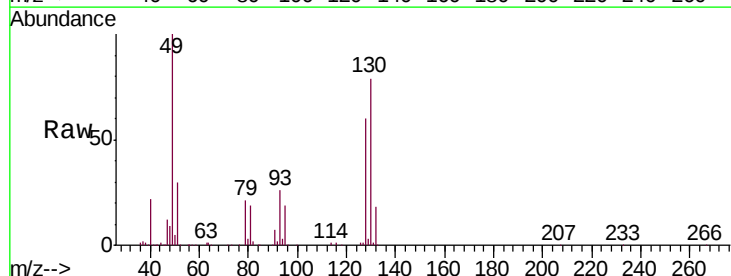
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



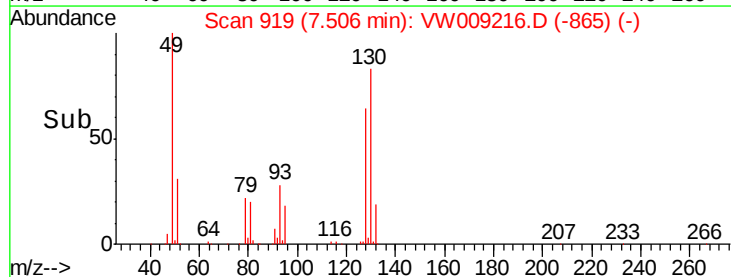
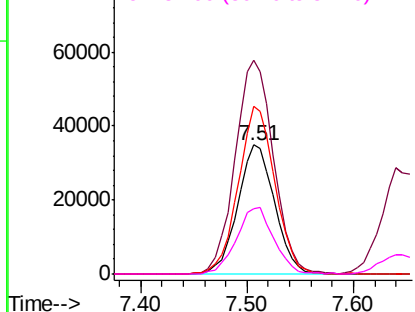
#23

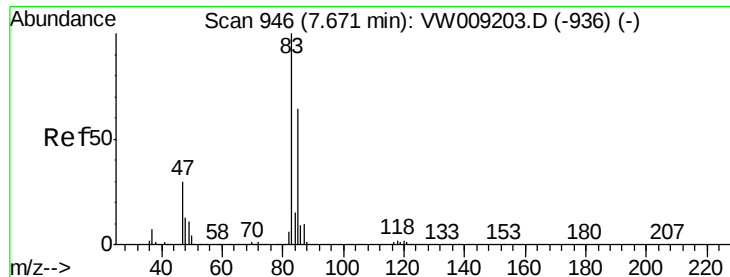
Bromochloromethane
 Concen: 27.835 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

Tgt Ion: 128 Resp: 85024
 Ion Ratio Lower Upper
 128 100
 49 165.7 118.4 219.8
 130 130.4 87.8 163.2
 51 50.5 44.6 67.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 27.645 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_W

ClientSampled :

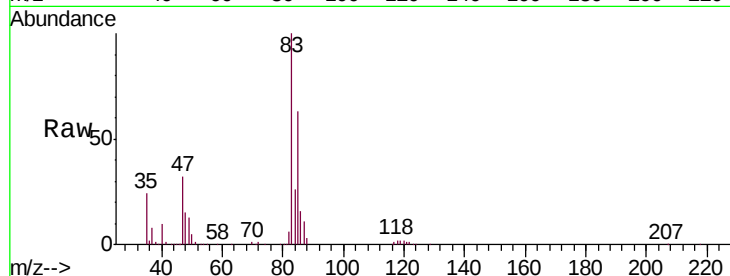
VSTD02512

Tgt Ion: 83 Resp: 310330

Ion Ratio Lower Upper

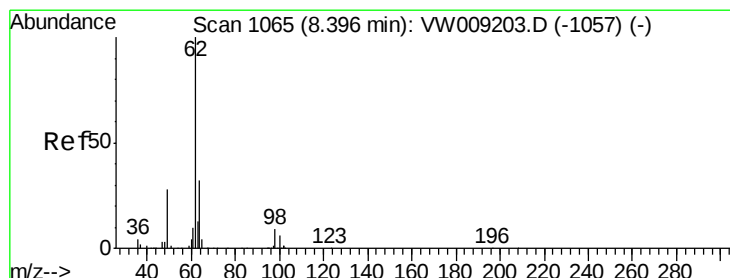
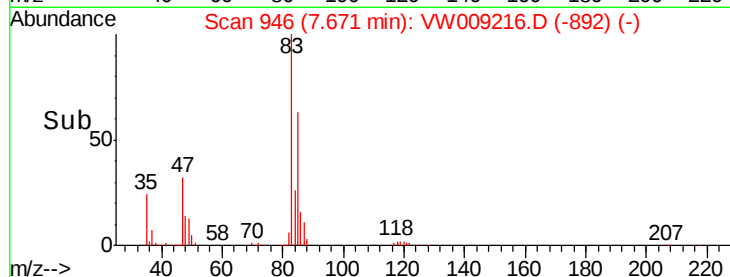
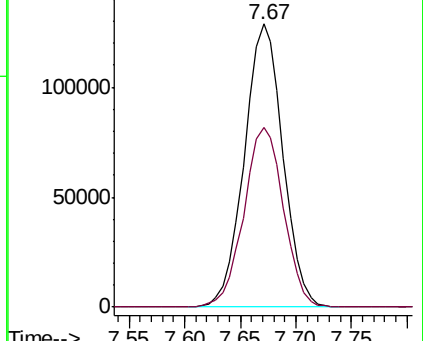
83 100

85 65.2 46.0 85.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 27.905 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW009216.D

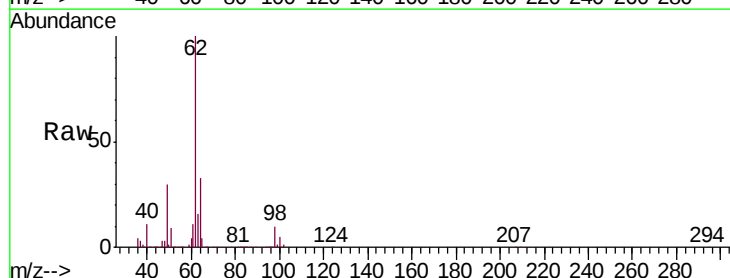
Acq: 16 Mar 2019 17:59

Tgt Ion: 62 Resp: 233552

Ion Ratio Lower Upper

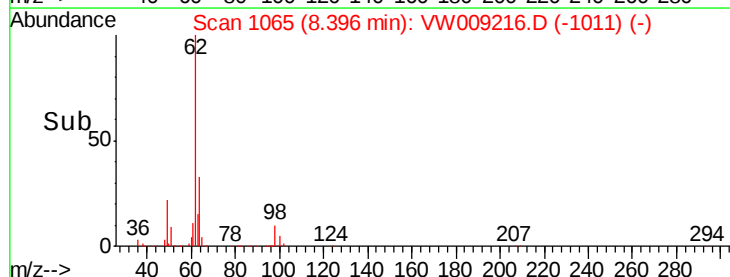
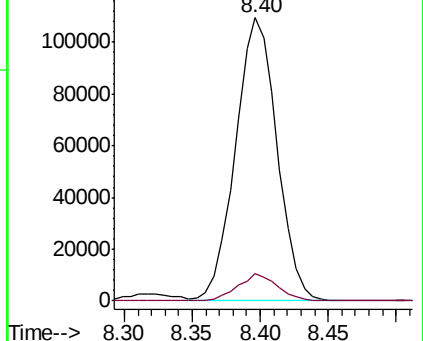
62 100

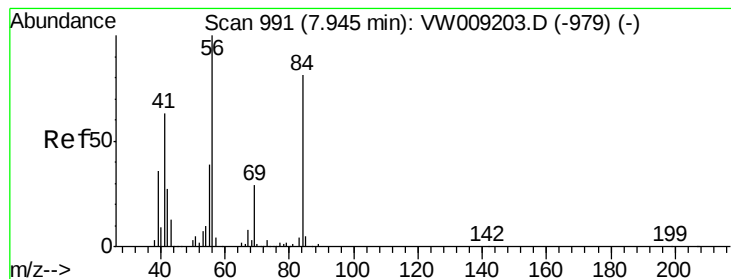
98 9.5 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 26.651 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

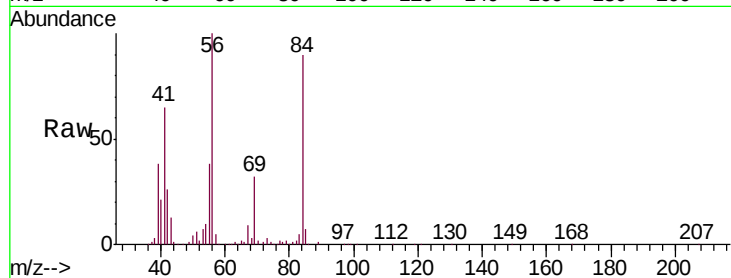
Tgt Ion: 56 Resp: 264103

Ion Ratio Lower Upper

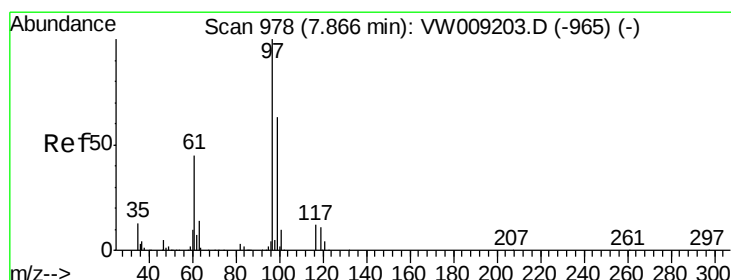
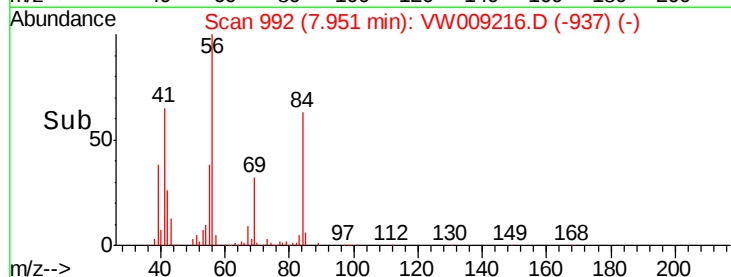
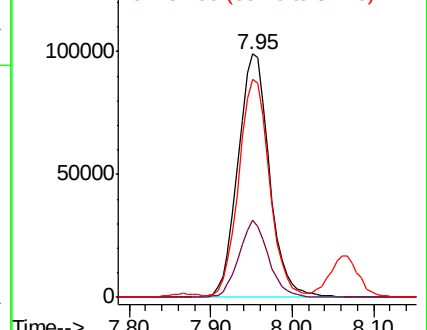
56 100

69 29.8 24.0 36.0

84 88.4 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: 27.527 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

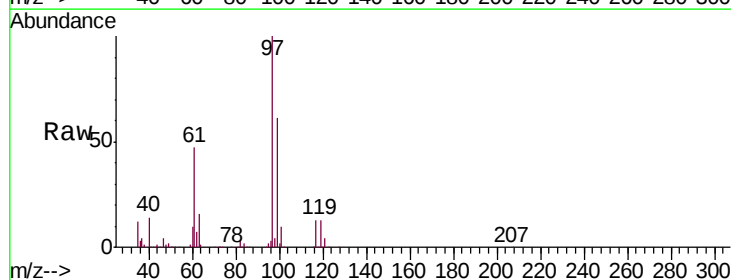
Tgt Ion: 97 Resp: 239890

Ion Ratio Lower Upper

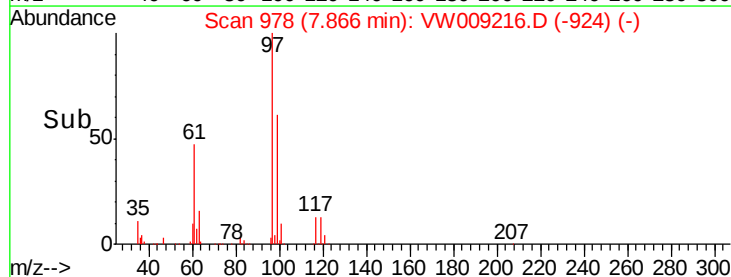
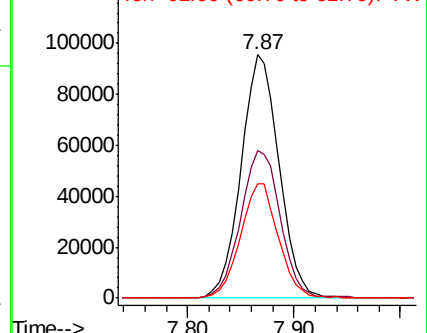
97 100

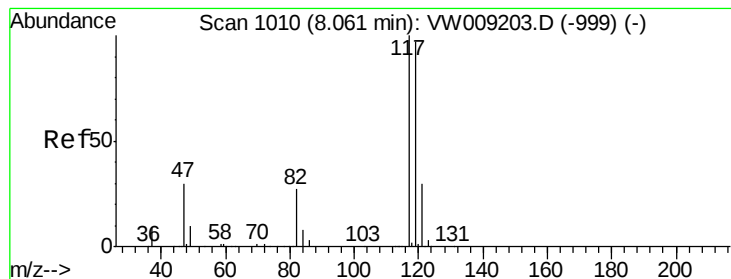
99 63.0 51.2 76.8

61 46.6 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: 28.184 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

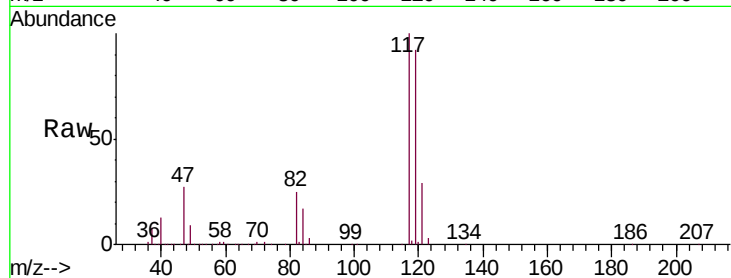
VSTD02512

Tgt Ion:117 Resp: 247805

Ion Ratio Lower Upper

117 100

119 95.8 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

100000

80000

60000

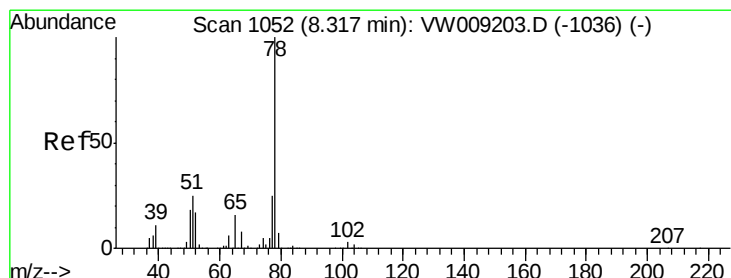
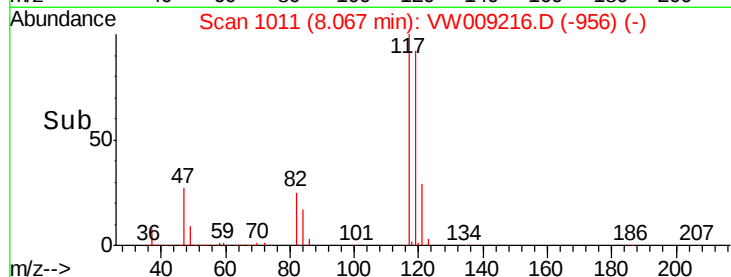
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 27.633 ug/L

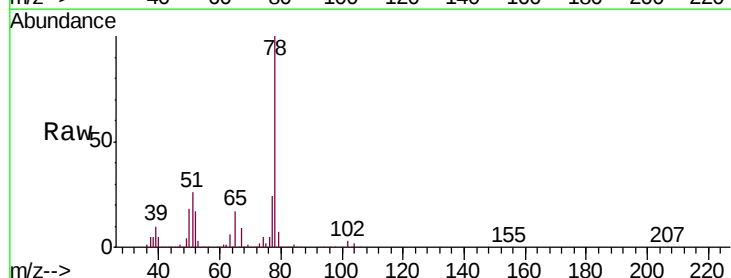
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Tgt Ion: 78 Resp: 659935



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

300000

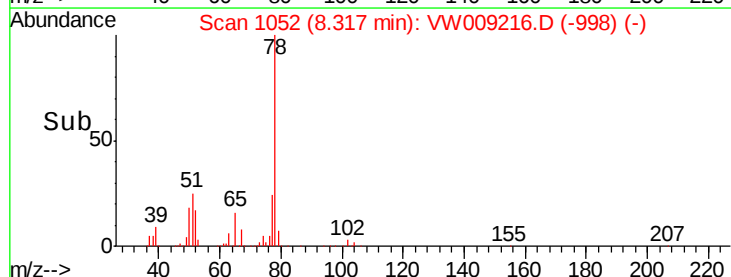
200000

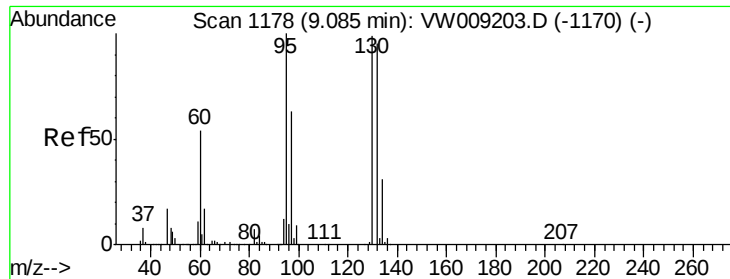
100000

0

8.20 8.30 8.40

Time-->

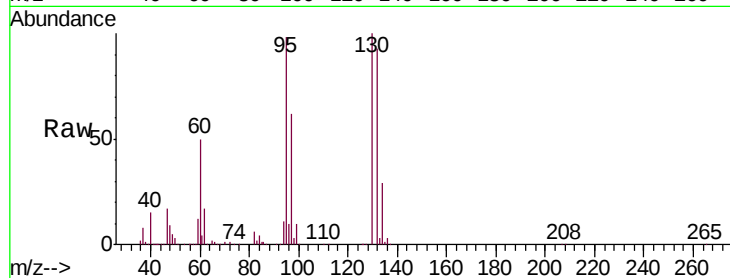




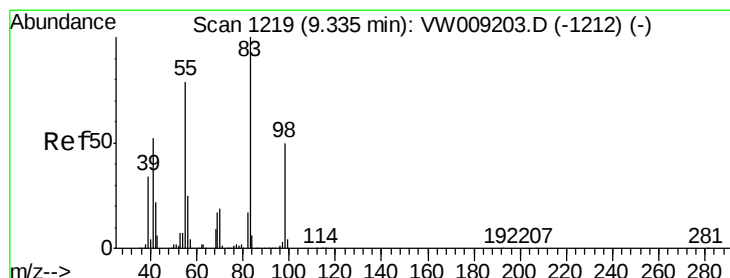
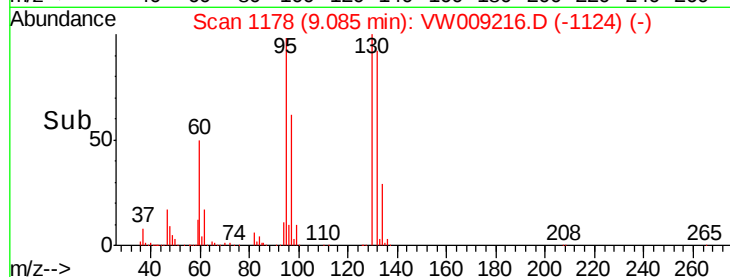
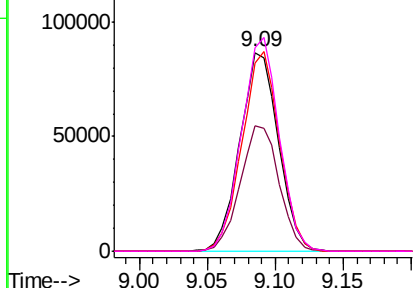
#35
 Trichloroethene
 Concen: 27.034 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02512

Tgt Ion: 95 Resp: 172038
 Ion Ratio Lower Upper
 95 100
 97 63.8 44.7 82.9
 132 98.0 69.0 128.2
 130 105.1 72.7 134.9

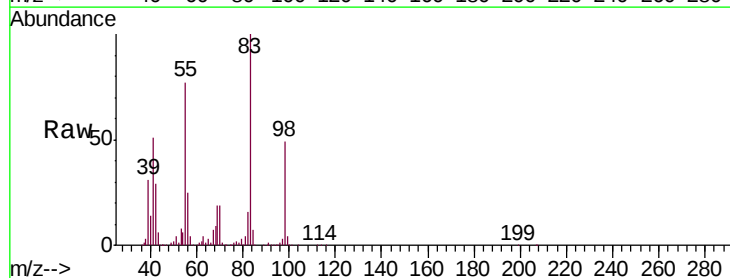


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

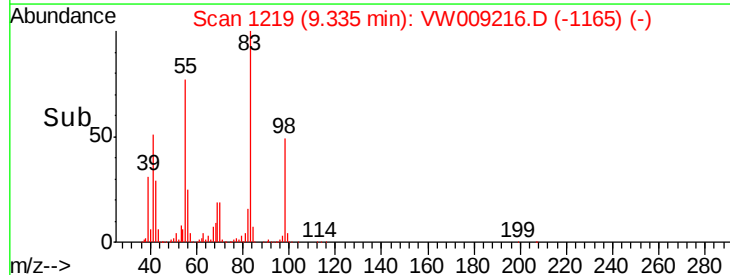
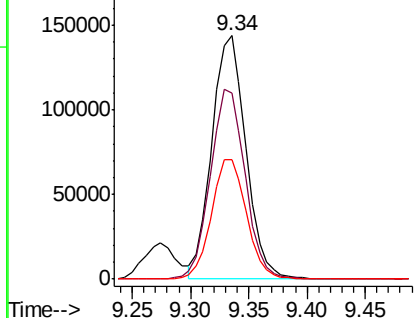


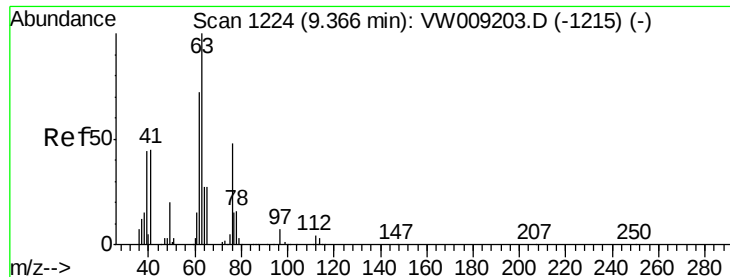
#36
 Methylcyclohexane
 Concen: 26.364 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

Tgt Ion: 83 Resp: 290263
 Ion Ratio Lower Upper
 83 100
 55 79.7 63.5 95.3
 98 50.7 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

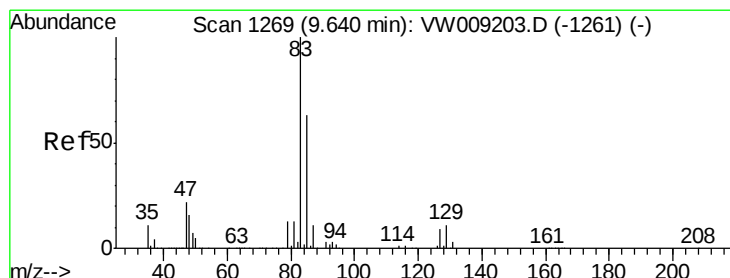
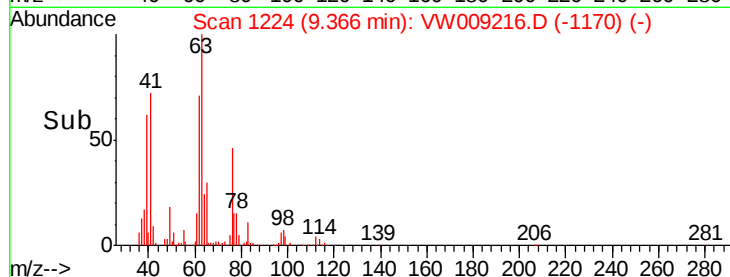
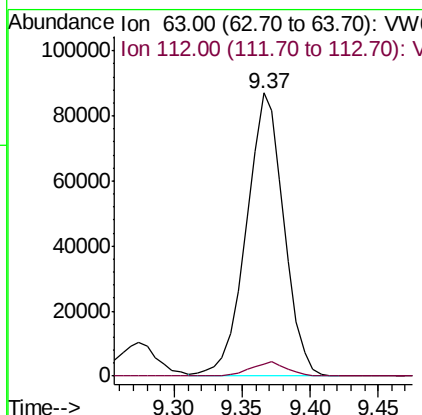
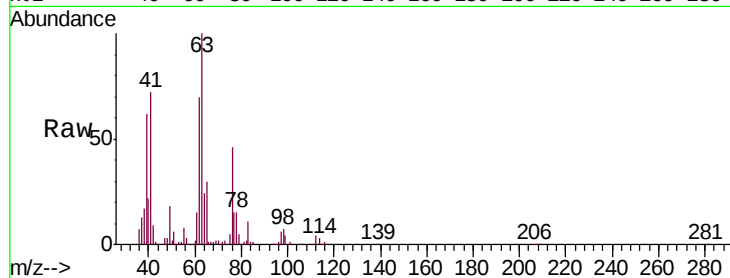




#40
 1,2-Dichloropropane
 Concen: 27.457 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

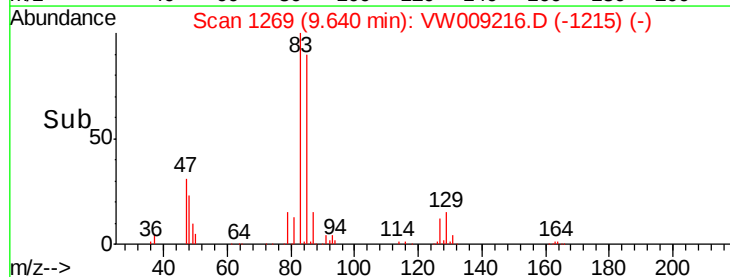
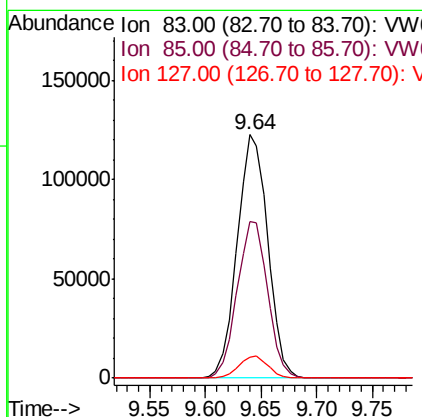
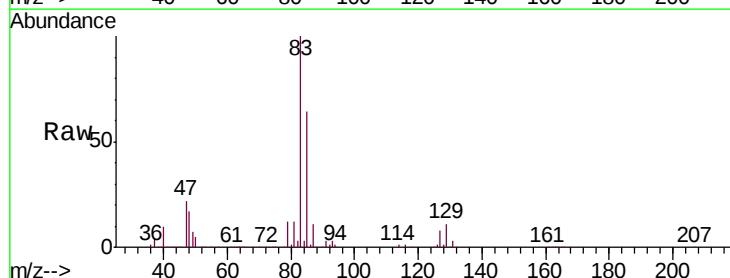
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

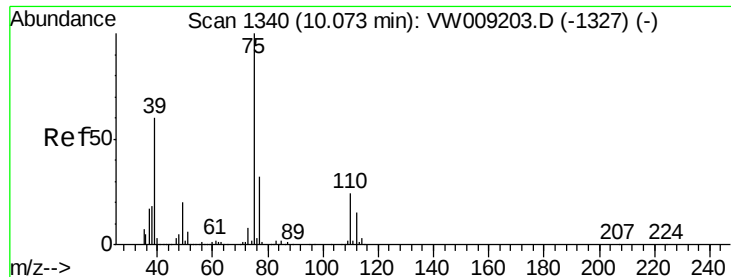
Tgt Ion: 63 Resp: 168271
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.0 6.0



#41
 Bromodichloromethane
 Concen: 27.497 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

Tgt Ion: 83 Resp: 233485
 Ion Ratio Lower Upper
 83 100
 85 64.4 43.5 80.7
 127 8.3 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 26.966 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_W

ClientSampled :

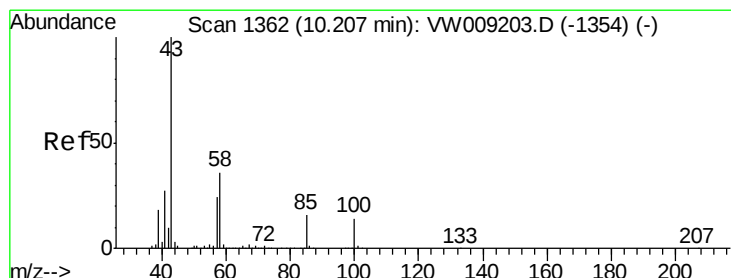
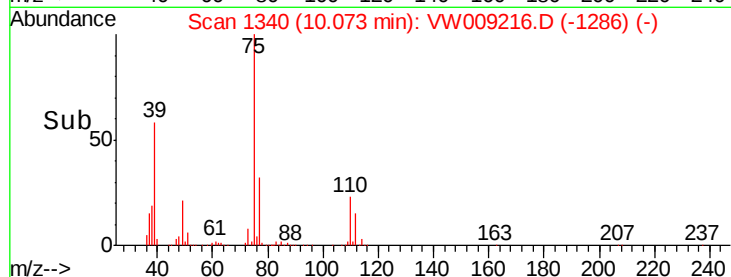
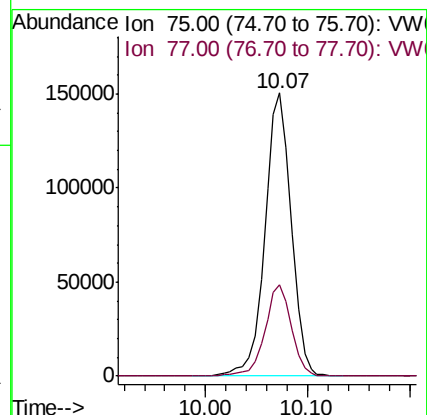
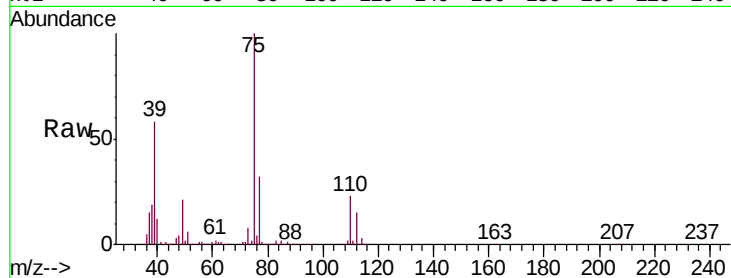
VSTD02512

Tgt Ion: 75 Resp: 269163

Ion Ratio Lower Upper

75 100

77 32.4 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 52.447 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

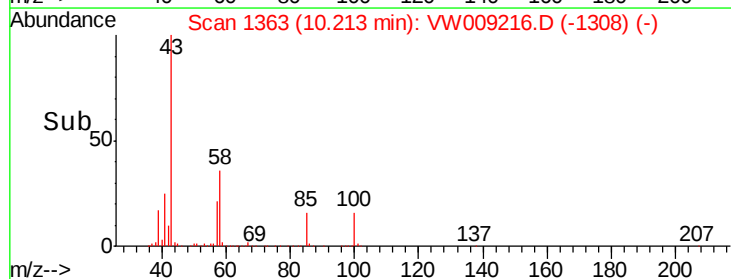
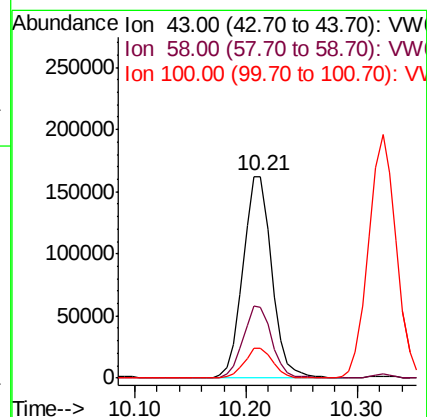
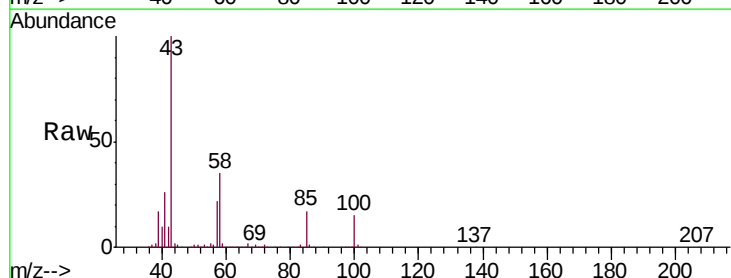
Tgt Ion: 43 Resp: 291251

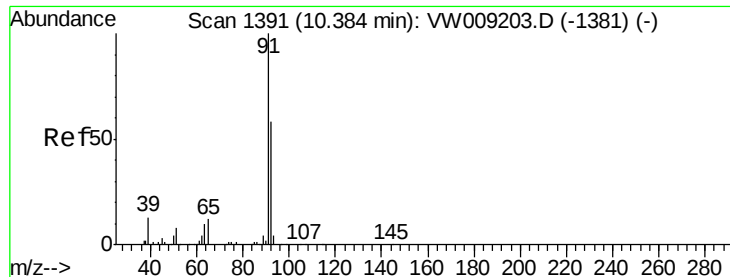
Ion Ratio Lower Upper

43 100

58 35.4 28.2 42.2

100 14.7 11.4 17.2





#44

Toluene

Concen: 27.535 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

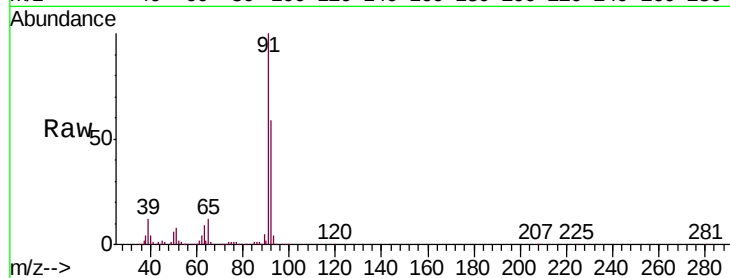
VSTD02512

Tgt Ion: 91 Resp: 719006

Ion Ratio Lower Upper

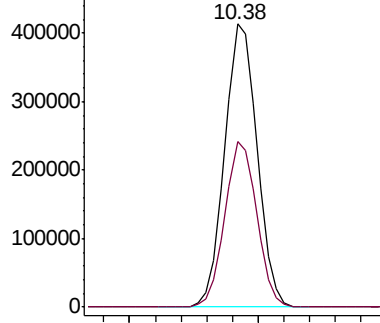
91 100

92 58.6 39.8 73.8

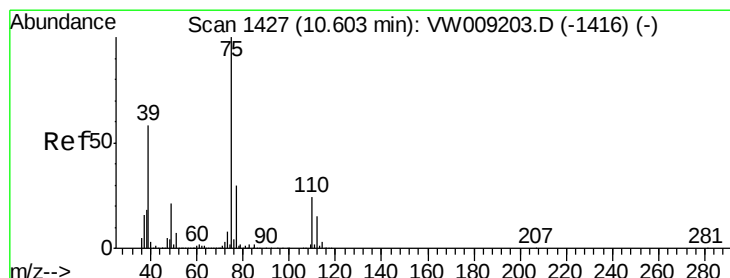
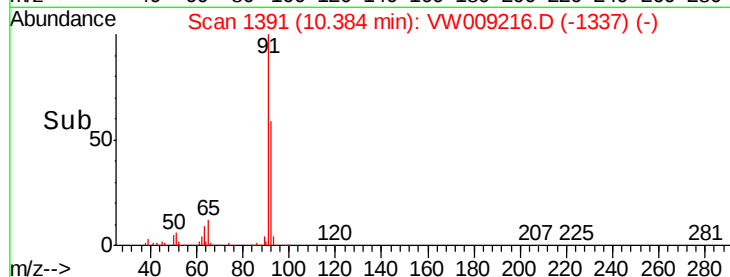


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.915 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009216.D

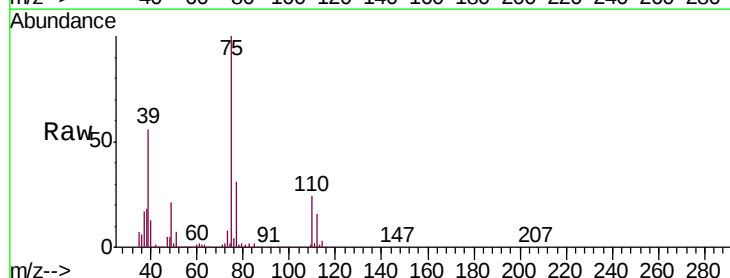
Acq: 16 Mar 2019 17:59

Tgt Ion: 75 Resp: 233701

Ion Ratio Lower Upper

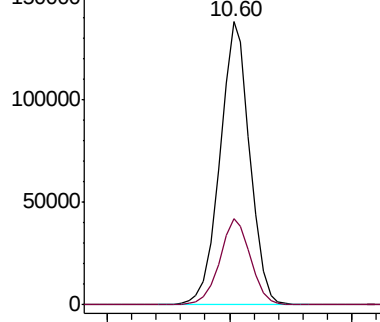
75 100

77 30.6 22.5 41.7

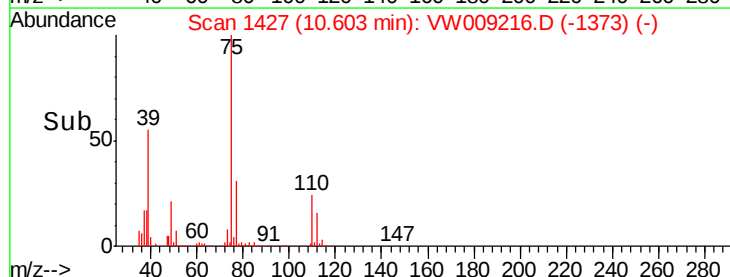


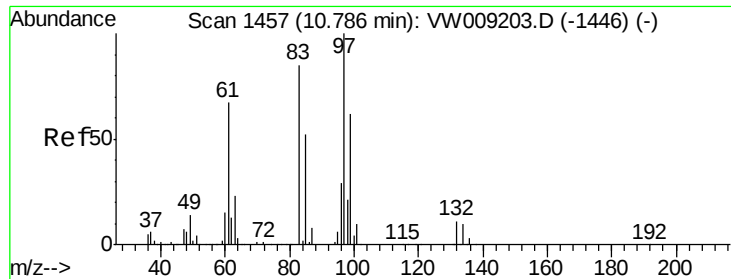
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->





#46

1,1,2-Trichloroethane

Concen: 27.211 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

Tgt Ion: 97 Resp: 133041

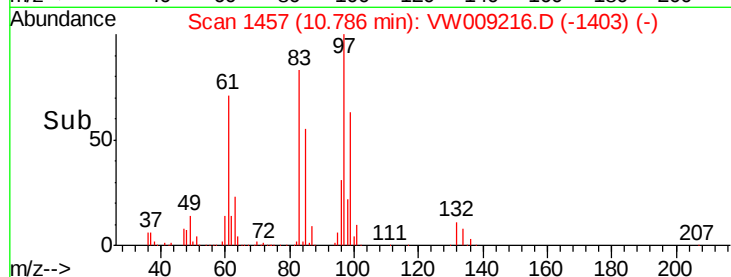
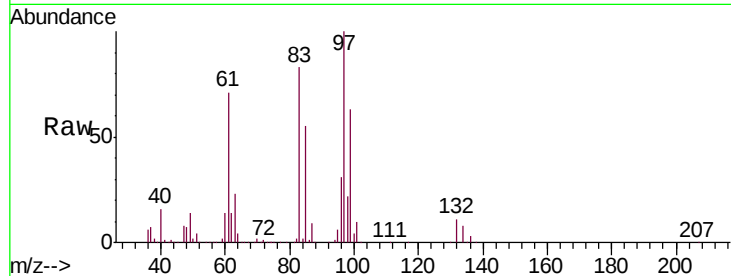
Ion Ratio Lower Upper

97 100

83 83.5 60.7 112.7

85 54.7 40.1 74.5

99 62.6 43.8 81.3



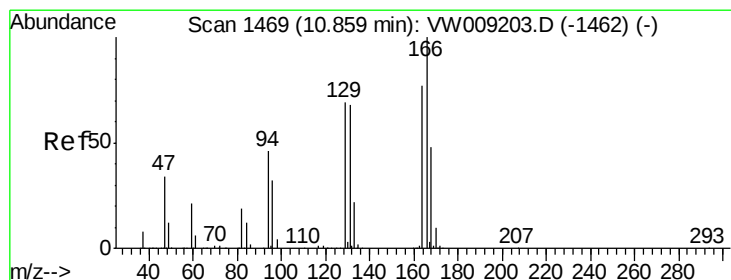
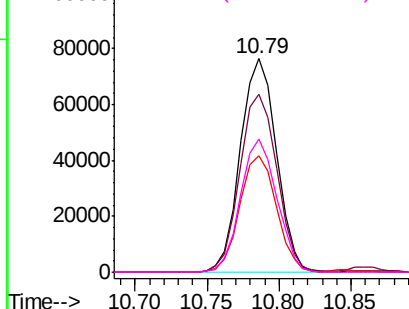
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 26.898 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Tgt Ion: 164 Resp: 144629

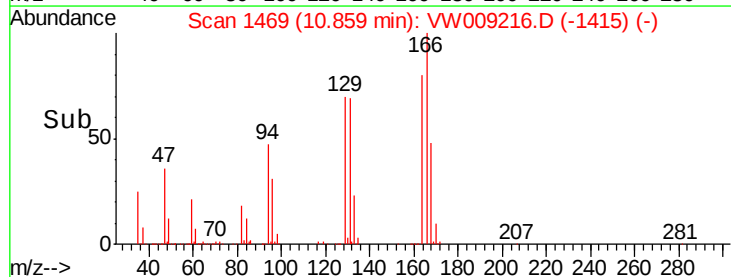
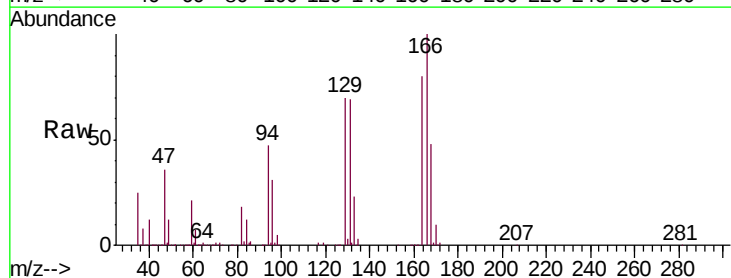
Ion Ratio Lower Upper

164 100

129 88.2 66.5 123.5

131 86.2 62.6 116.3

166 125.2 91.6 170.0



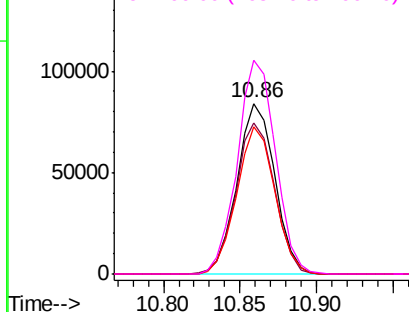
Abundance

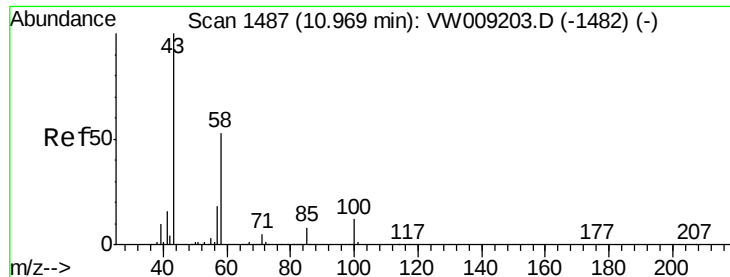
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 52.618 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

Tgt Ion: 43 Resp: 205800

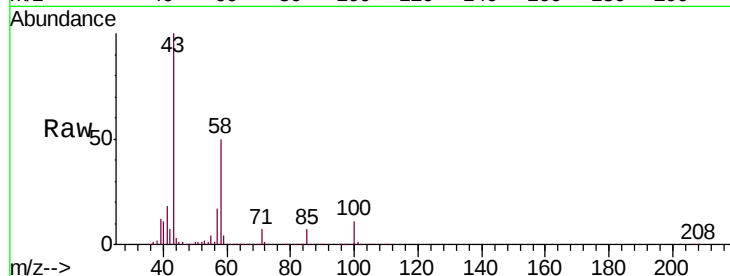
Ion Ratio Lower Upper

43 100

58 50.5 39.2 58.8

57 17.6 14.2 21.2

100 11.6 8.9 13.3

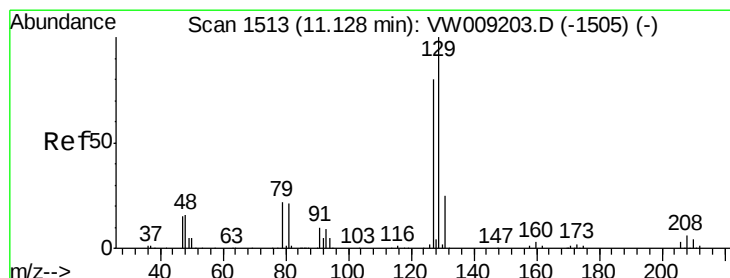
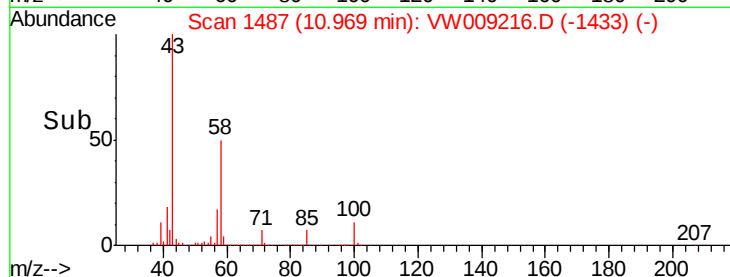
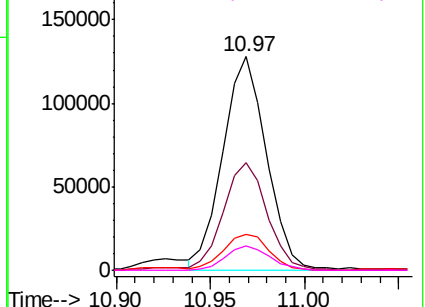


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 27.833 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009216.D

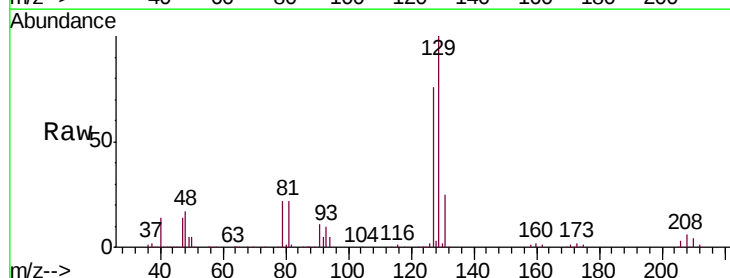
Acq: 16 Mar 2019 17:59

Tgt Ion: 129 Resp: 167987

Ion Ratio Lower Upper

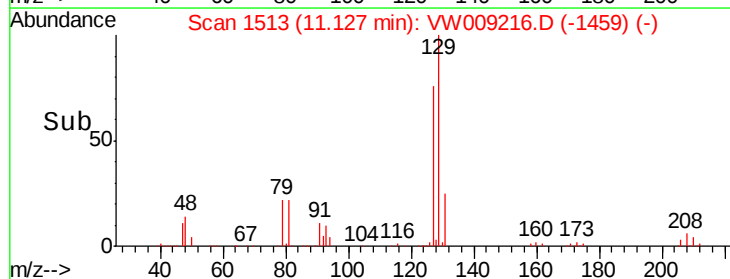
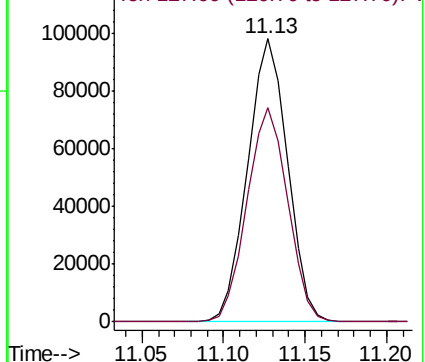
129 100

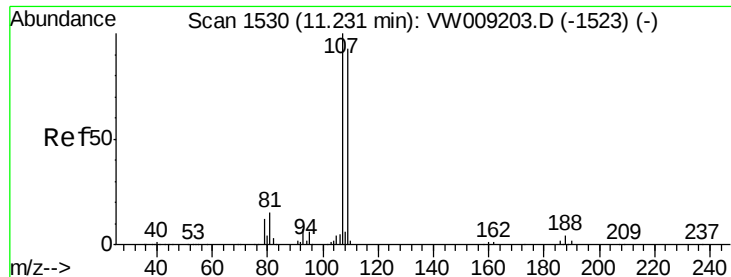
127 75.5 56.8 105.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

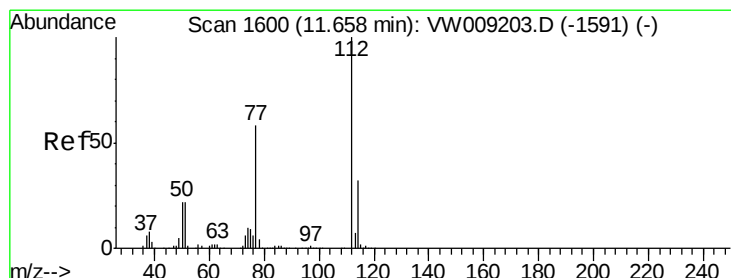
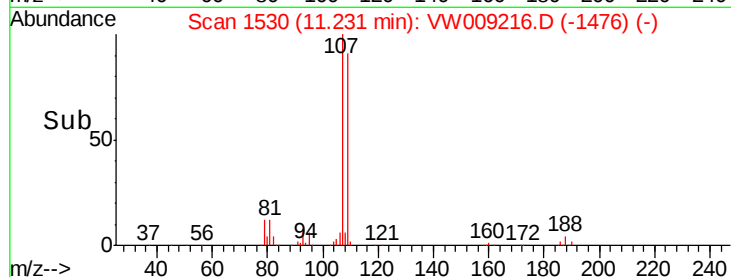
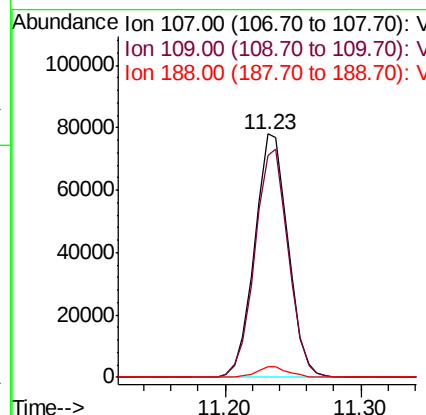
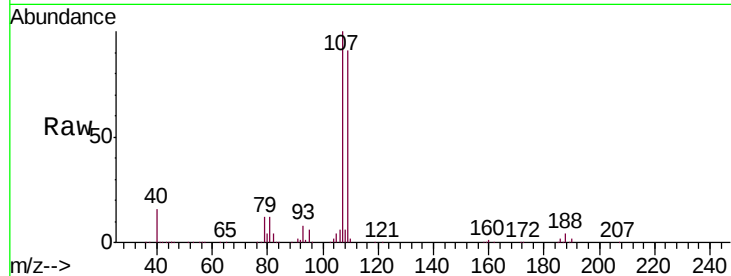




#51
 1,2-Dibromoethane
 Concen: 27.198 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

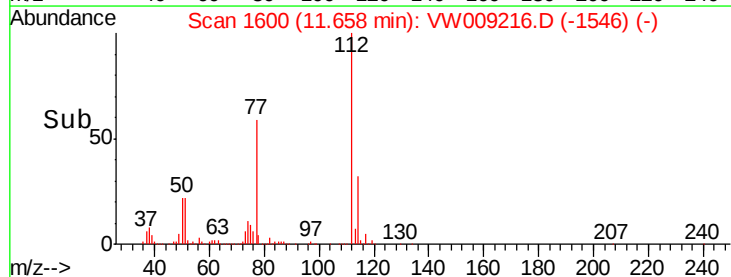
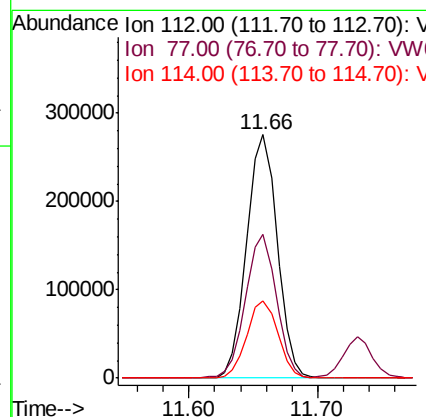
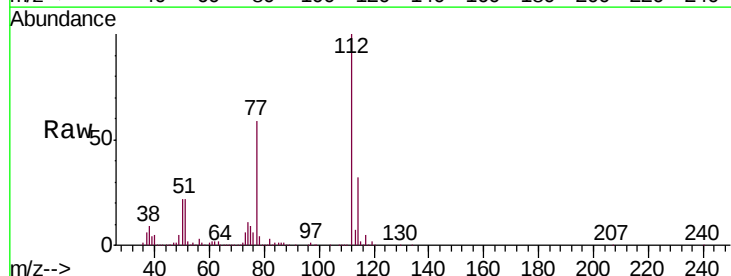
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

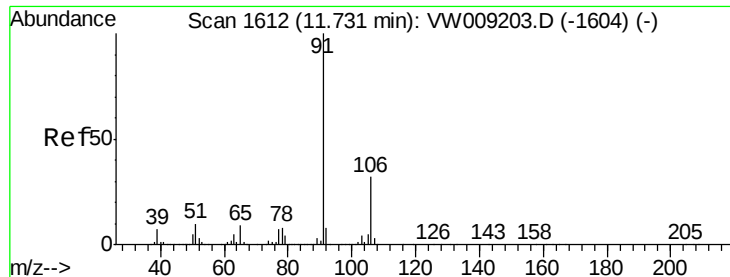
Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.2	68.0	126.4
188	4.3	3.5	5.3



#52
 Chlorobenzene
 Concen: 27.043 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.2	45.7	68.5
114	31.7	22.8	42.4





#53

Ethylbenzene

Concen: 27.357 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

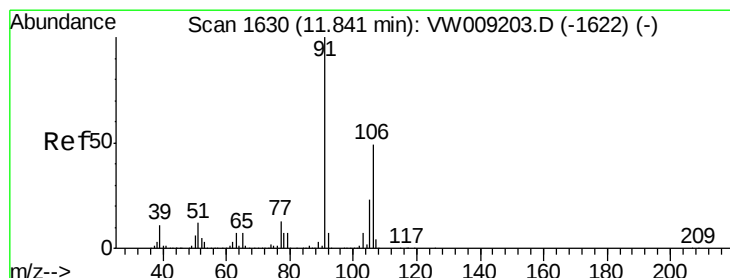
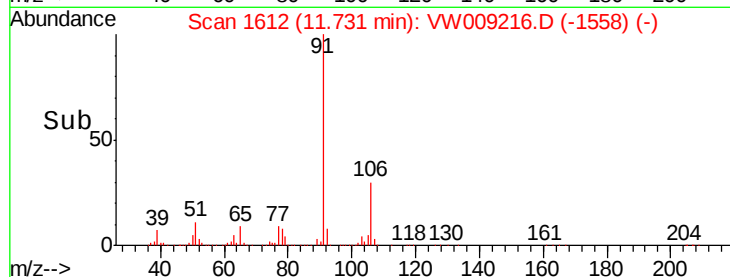
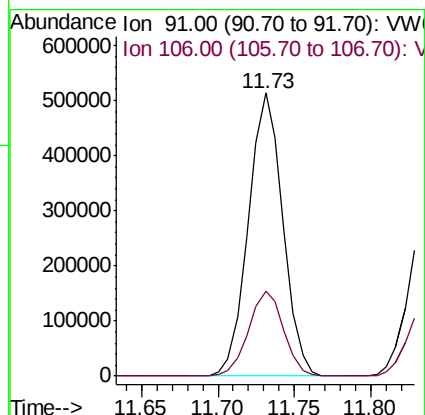
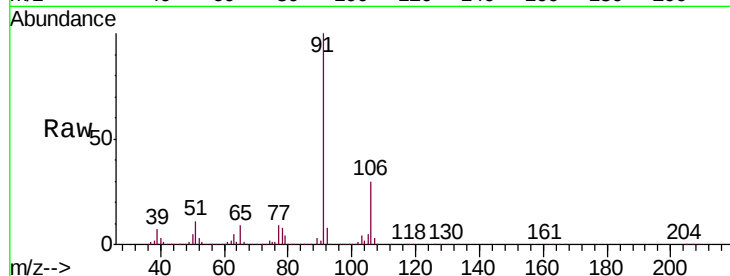
VSTD02512

Tgt Ion: 91 Resp: 803131

Ion Ratio Lower Upper

91 100

106 30.1 21.0 39.0



#54

m,p-Xylene

Concen: 26.763 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009216.D

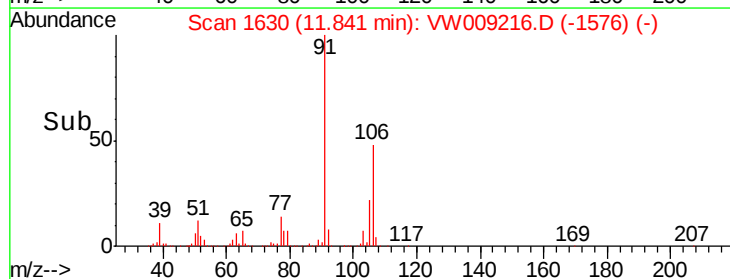
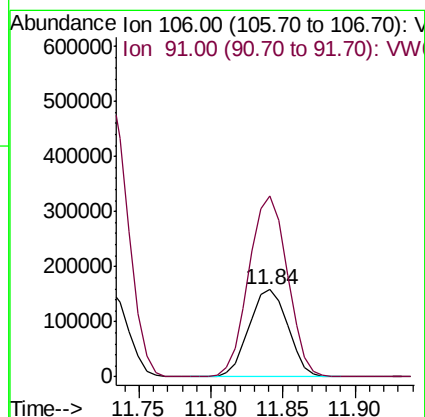
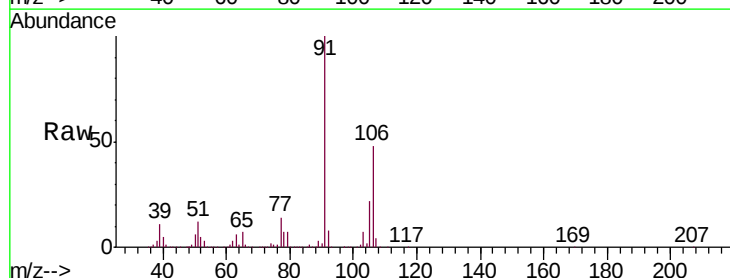
Acq: 16 Mar 2019 17:59

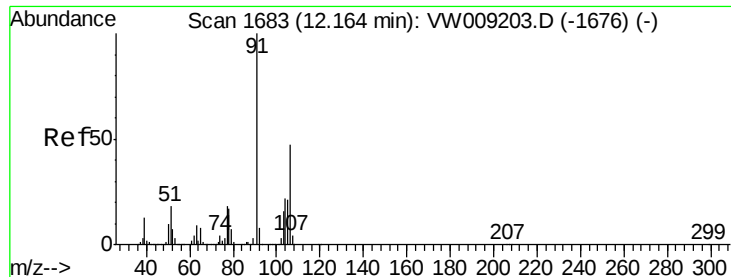
Tgt Ion: 106 Resp: 298492

Ion Ratio Lower Upper

106 100

91 207.2 138.4 257.0





#55

o-xylene

Concen: 27.067 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

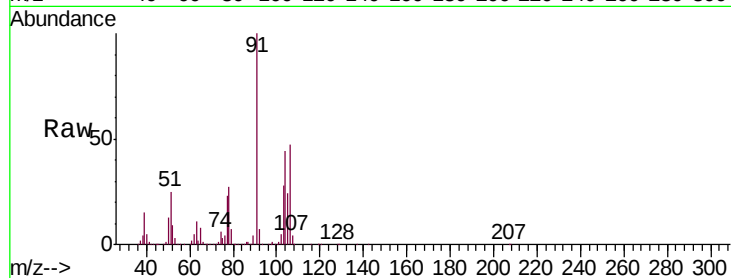
VSTD02512

Tgt Ion:106 Resp: 294507

Ion Ratio Lower Upper

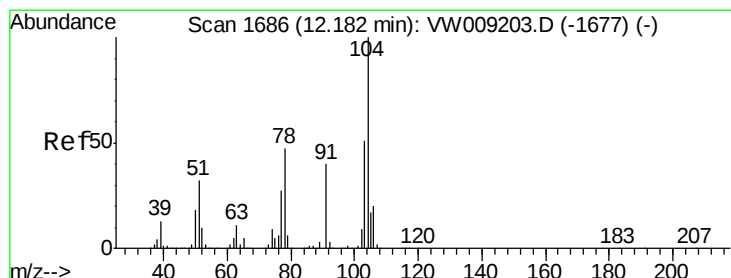
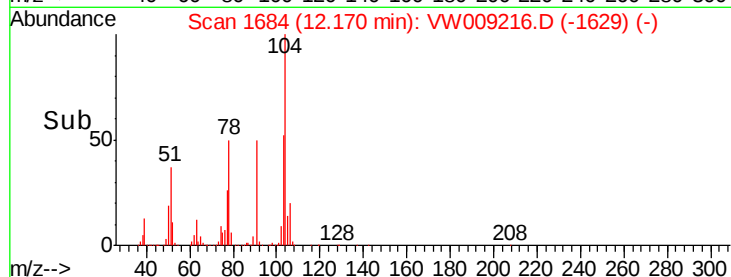
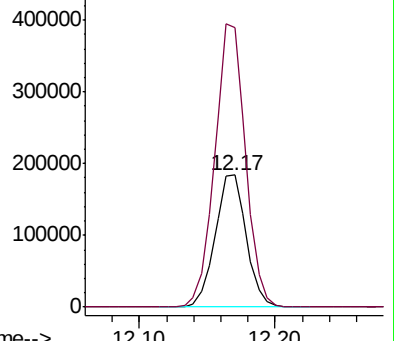
106 100

91 212.2 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.556 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW009216.D

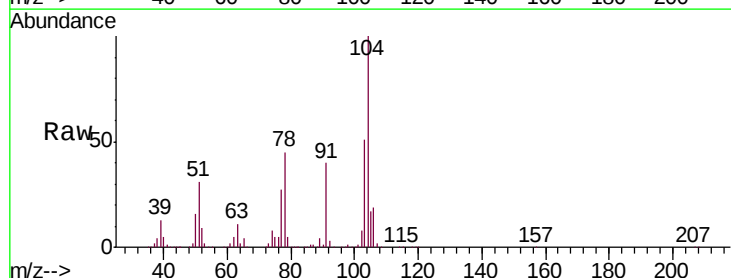
Acq: 16 Mar 2019 17:59

Tgt Ion:104 Resp: 511565

Ion Ratio Lower Upper

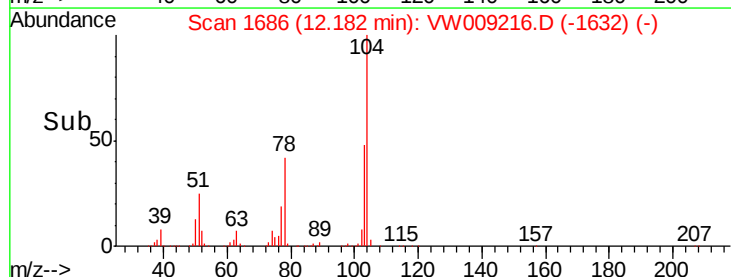
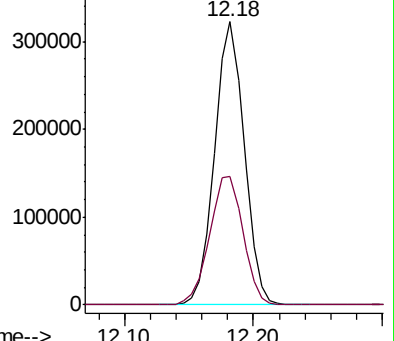
104 100

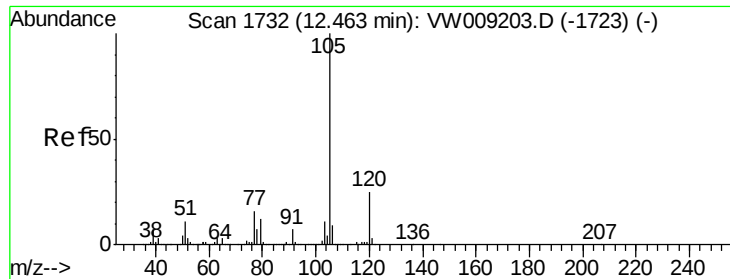
78 45.2 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.991 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

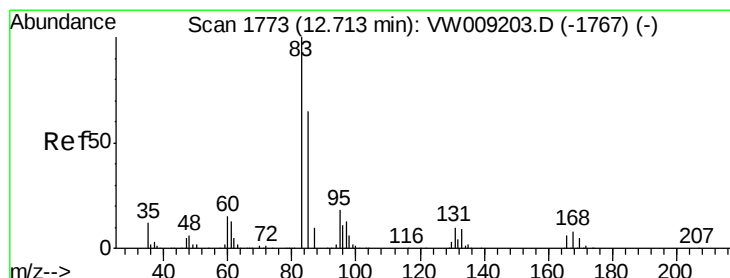
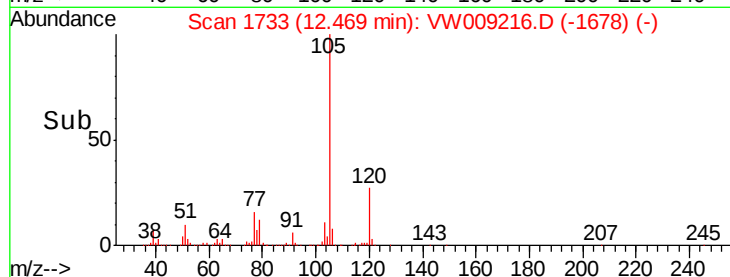
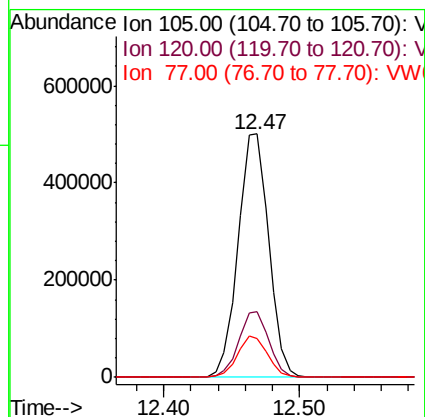
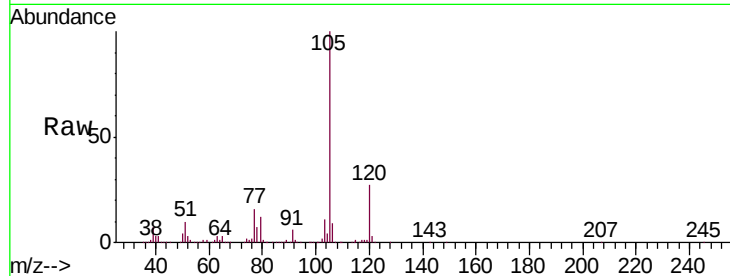
Tgt Ion: 105 Resp: 786711

Ion Ratio Lower Upper

105 100

120 26.7 21.3 31.9

77 16.6 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 27.522 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

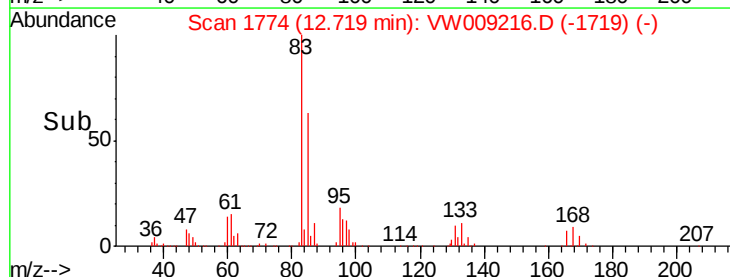
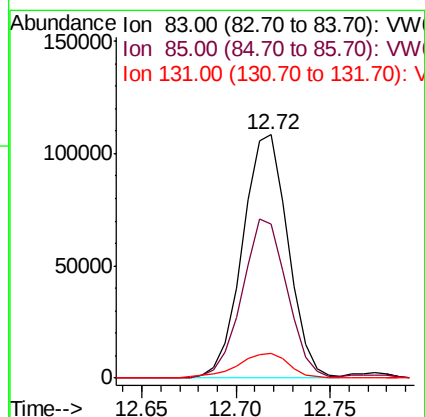
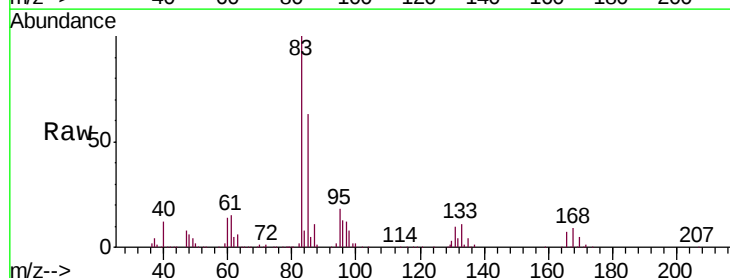
Tgt Ion: 83 Resp: 181530

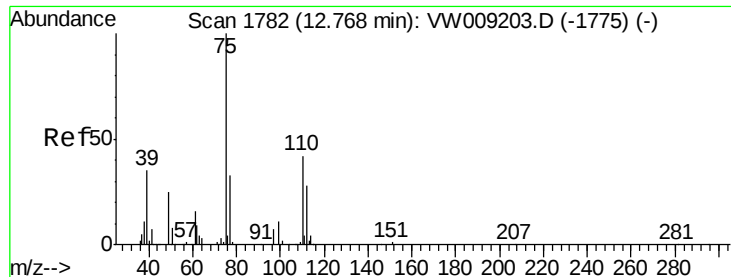
Ion Ratio Lower Upper

83 100

85 63.4 45.6 84.8

131 10.3 9.2 13.8





#59

1,2,3-Trichloropropane

Concen: 27.102 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

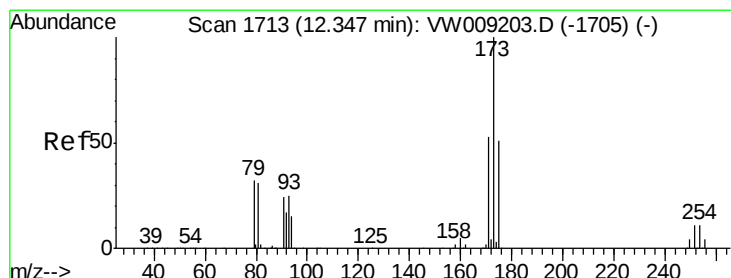
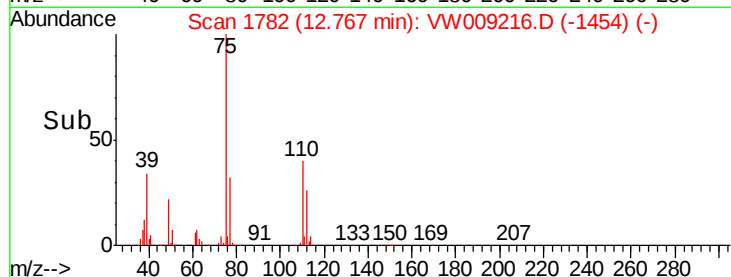
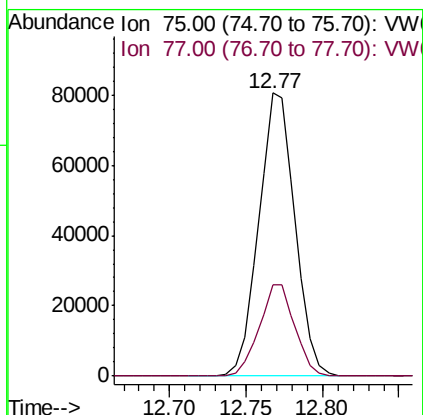
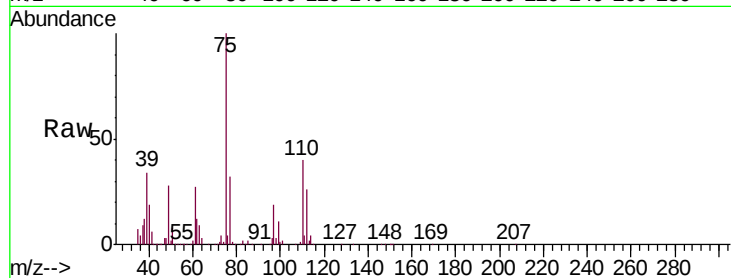
VSTD02512

Tgt Ion: 75 Resp: 132662

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2



#62

Bromoform

Concen: 28.356 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

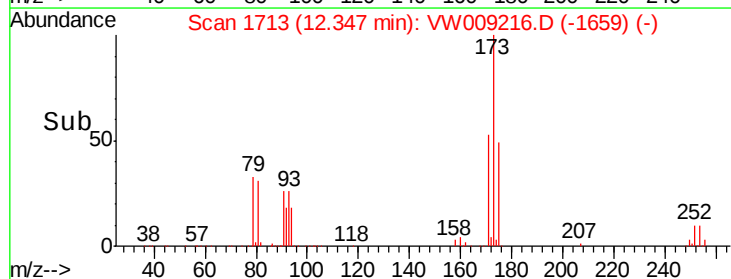
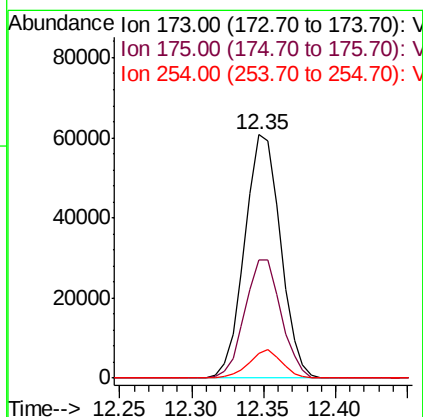
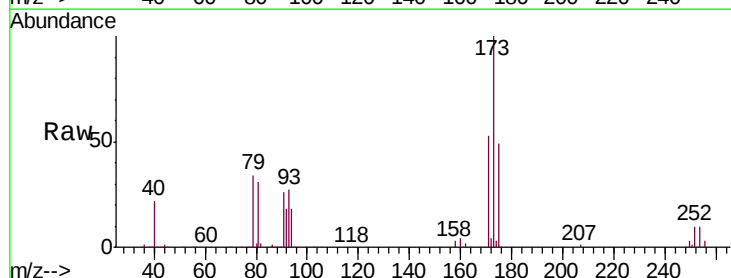
Tgt Ion: 173 Resp: 104979

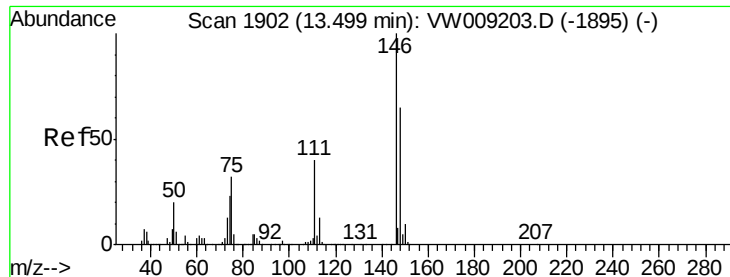
Ion Ratio Lower Upper

173 100

175 49.0 39.7 59.5

254 10.6 8.5 12.7

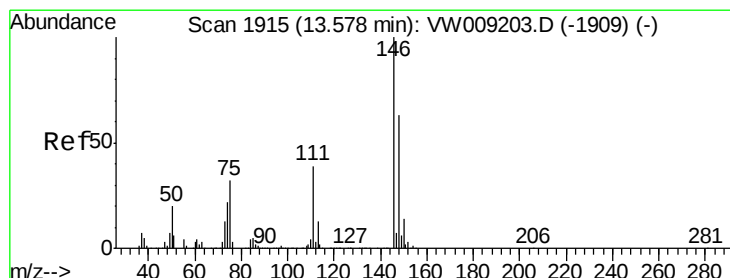
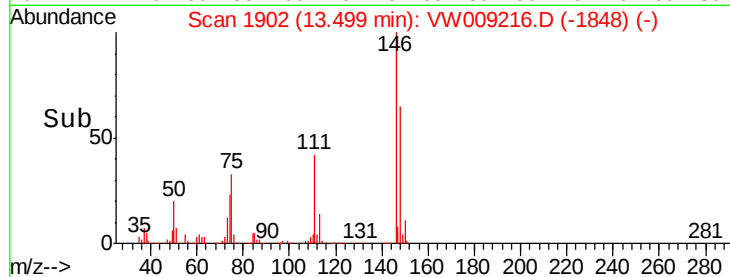
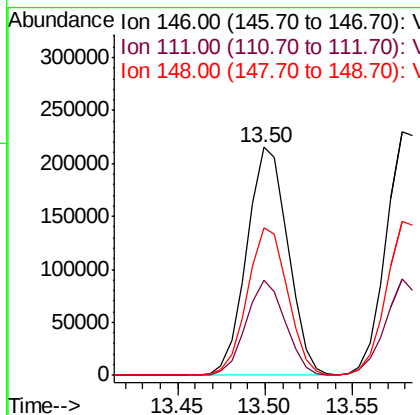
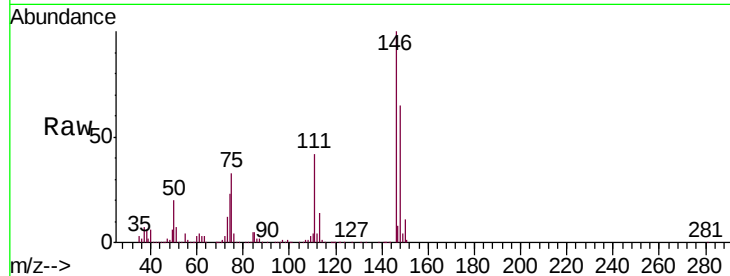




#63
 1,3-Dichlorobenzene
 Concen: 26.976 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

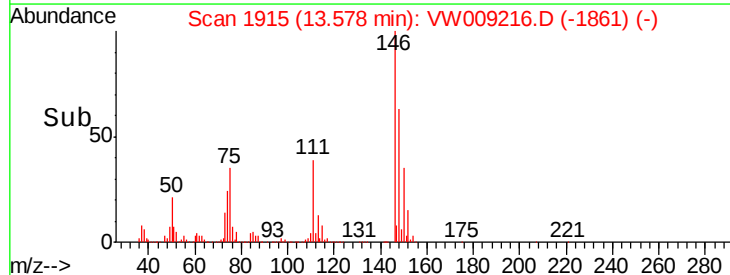
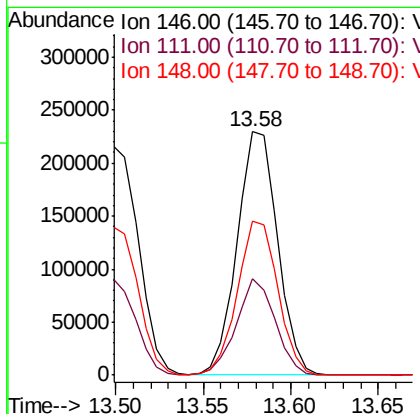
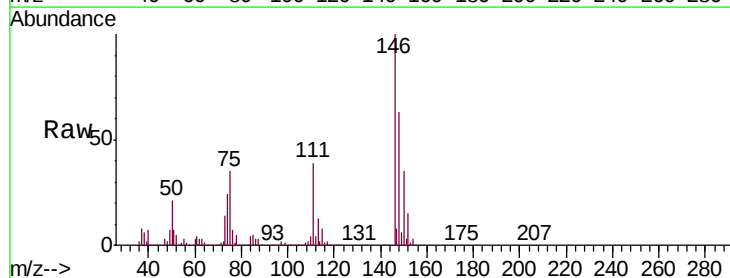
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

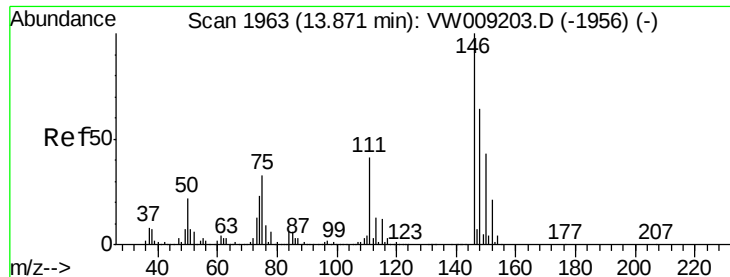
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	26.9	49.9
148	65.0	45.1	83.7



#64
 1,4-Dichlorobenzene
 Concen: 27.414 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	27.8	51.6
148	63.2	46.3	86.1

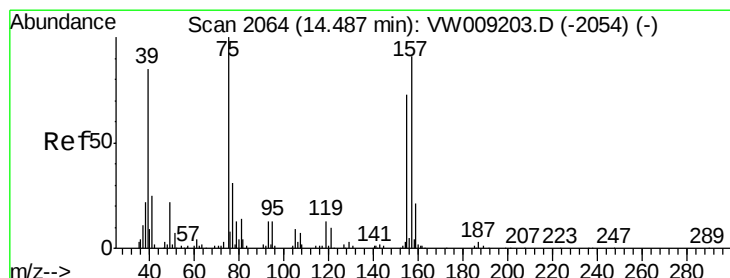
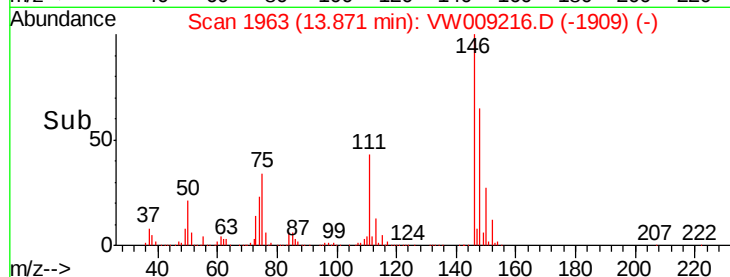
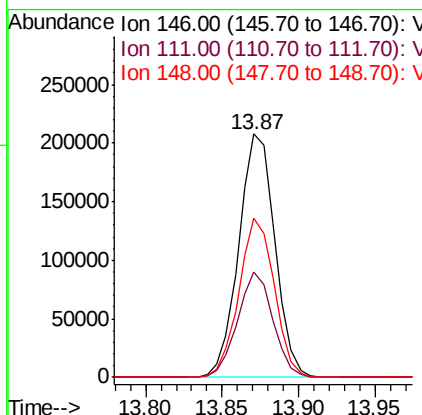
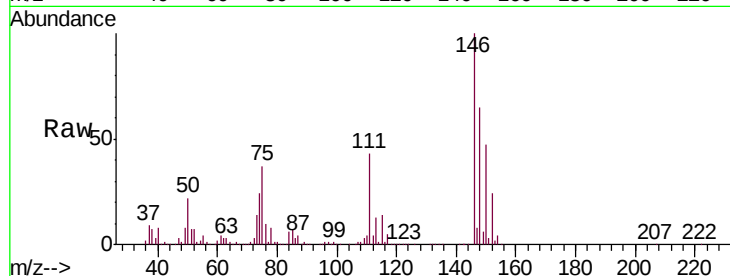




#65
 1,2-Dichlorobenzene
 Concen: 27.295 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

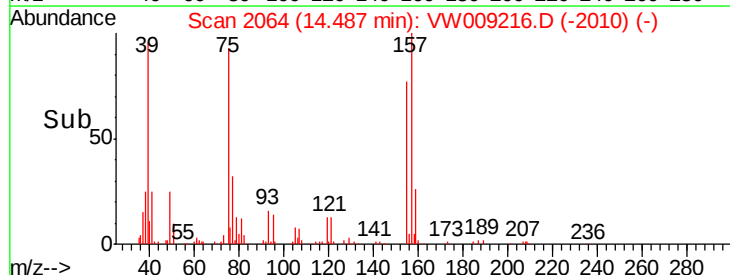
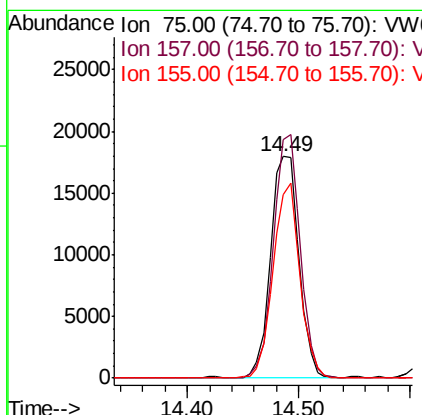
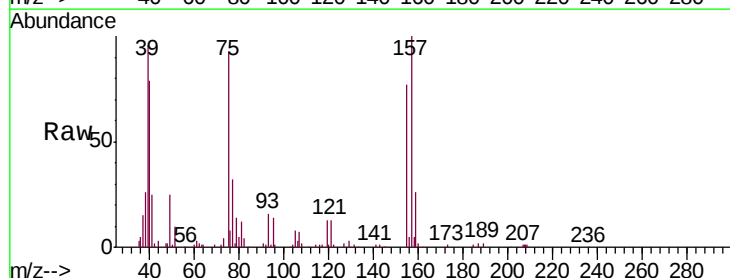
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

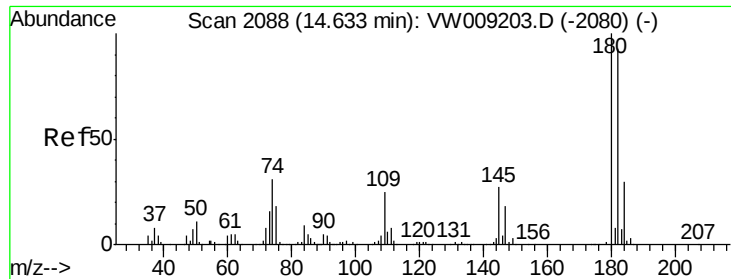
Tgt Ion:146 Resp: 339930
 Ion Ratio Lower Upper
 146 100
 111 43.4 33.5 50.3
 148 65.2 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.119 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

Tgt Ion: 75 Resp: 31880
 Ion Ratio Lower Upper
 75 100
 157 107.5 89.0 133.4
 155 83.0 64.2 96.2

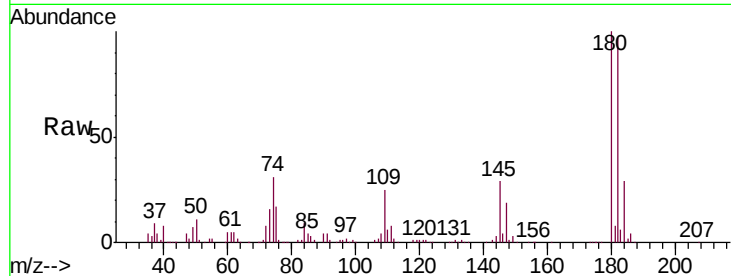




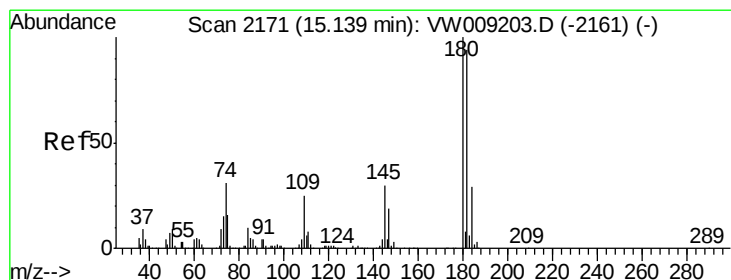
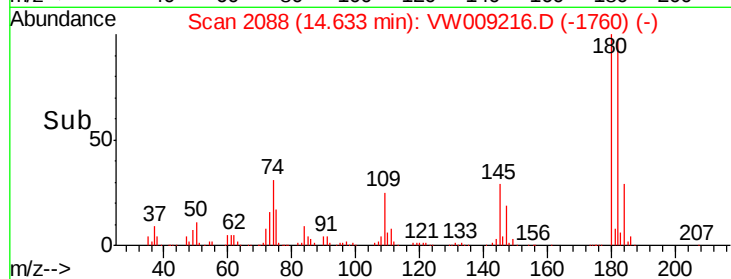
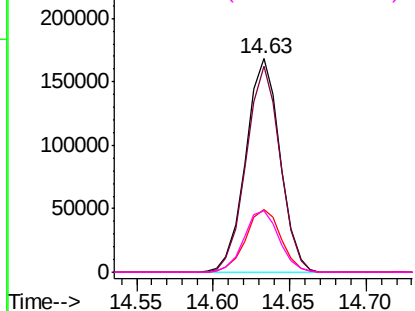
#67
 1,3,5-Trichlorobenzene
 Concen: 25.759 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Tgt Ion:	180	Resp:	262371
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
184	30.4	23.8	35.6
145	29.3	23.4	35.2

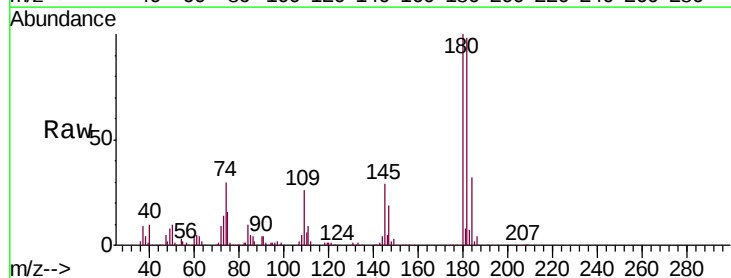


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

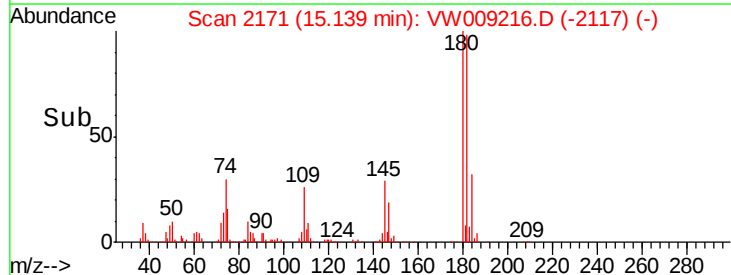
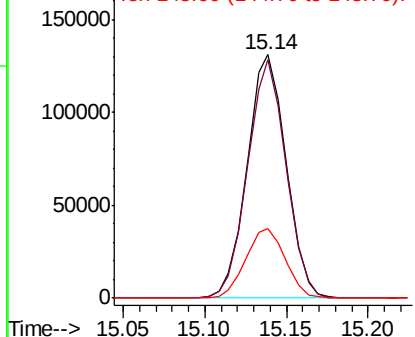


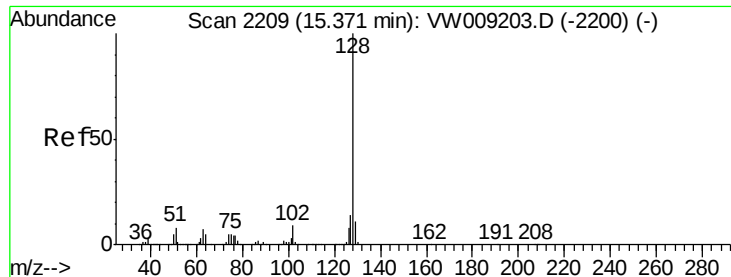
#68
 1,2,4-trichlorobenzene
 Concen: 25.426 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009216.D
 Acq: 16 Mar 2019 17:59

Tgt Ion:	180	Resp:	217542
Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.5	113.3
145	29.2	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: 26.732 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

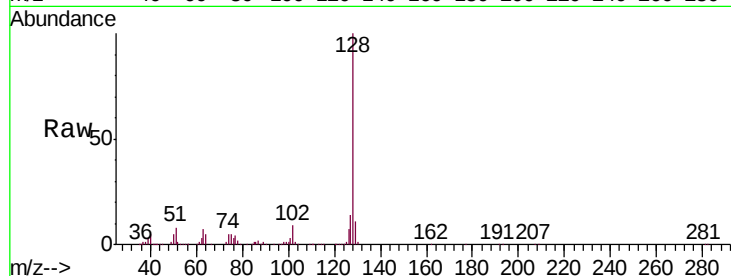
Tgt Ion:128 Resp: 474192

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

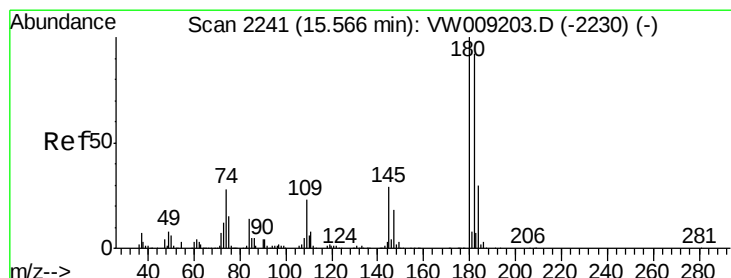
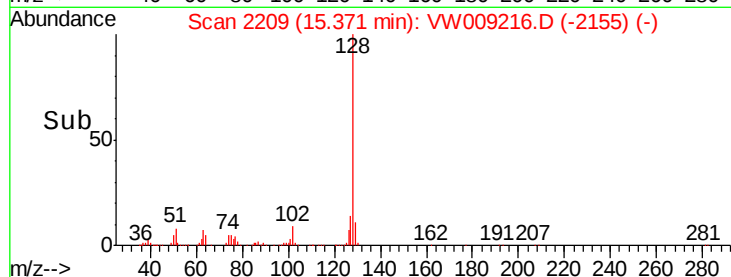
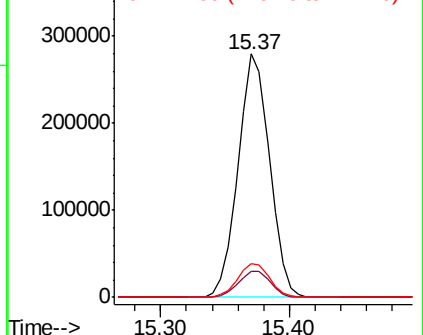
127 14.2 11.1 16.7



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: 25.920 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW009216.D

Acq: 16 Mar 2019 17:59

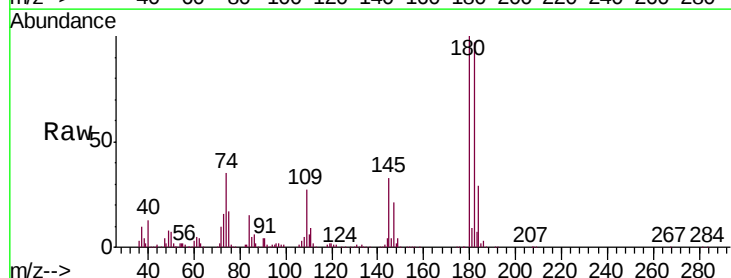
Tgt Ion:180 Resp: 207715

Ion Ratio Lower Upper

180 100

182 97.1 77.2 115.8

145 31.6 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

