

Data File : VW009203.D
Acq On : 16 Mar 2019 11:38
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Quant Time: Mar 18 02:39:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 15 23:26:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	528032	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	491791	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	257886	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	161467	25.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.36%
7) Chloroethane-d5	2.90	69	155296	21.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.12%
10) 1,1-Dichloroethene-d2	4.03	63	340363	24.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.84%
20) 2-Butanone-d5	7.07	46	107338	41.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.26%
24) Chloroform-d	7.64	84	328848	22.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.28%
26) 1,2-Dichloroethane-d4	8.30	65	190566	21.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.80%
29) Benzene-d6	8.27	84	626402	23.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.40%
33) 1,2-Dichloropropane-d6	9.27	67	186092	22.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.36%
37) Toluene-d8	10.32	98	583187	23.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.04%
38) trans-1,3-Dichloropropene-	10.58	79	91392	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.36%
39) 2-Hexanone-d5	10.93	63	84786	42.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	177126	22.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	220906	22.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	190819	27.432 ug/L	94
3) Chloromethane	2.22	50	183049	24.803 ug/L	95
5) Vinyl chloride	2.37	62	235093	30.949 ug/L	98
6) Bromomethane	2.78	94	161055	25.307 ug/L	100
8) Chloroethane	2.93	64	159693	25.410 ug/L	92
9) Trichlorofluoromethane	3.26	101	136027	22.670 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	183149	26.431 ug/L	94
12) 1,1-Dichloroethene	4.04	96	186612	28.700 ug/L	78
13) Acetone	4.12	43	120104	56.124 ug/L	99
14) Carbon disulfide	4.38	76	532227	30.414 ug/L	99
15) Methyl Acetate	4.67	43	97794	23.262 ug/L	98
16) Methylene chloride	4.92	84	177086	22.998 ug/L	96
17) Methyl tert-butyl Ether	5.42	73	218539	23.753 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	182292	26.665 ug/L	97
19) 1,1-Dichloroethane	6.21	63	332683	26.689 ug/L	98
21) 2-Butanone	7.16	43	148606	50.293 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	195024	26.334 ug/L	99

Data File : VW009203.D
Acq On : 16 Mar 2019 11:38
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Quant Time: Mar 18 02:39:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 15 23:26:07 2019
Response via : Initial Calibration

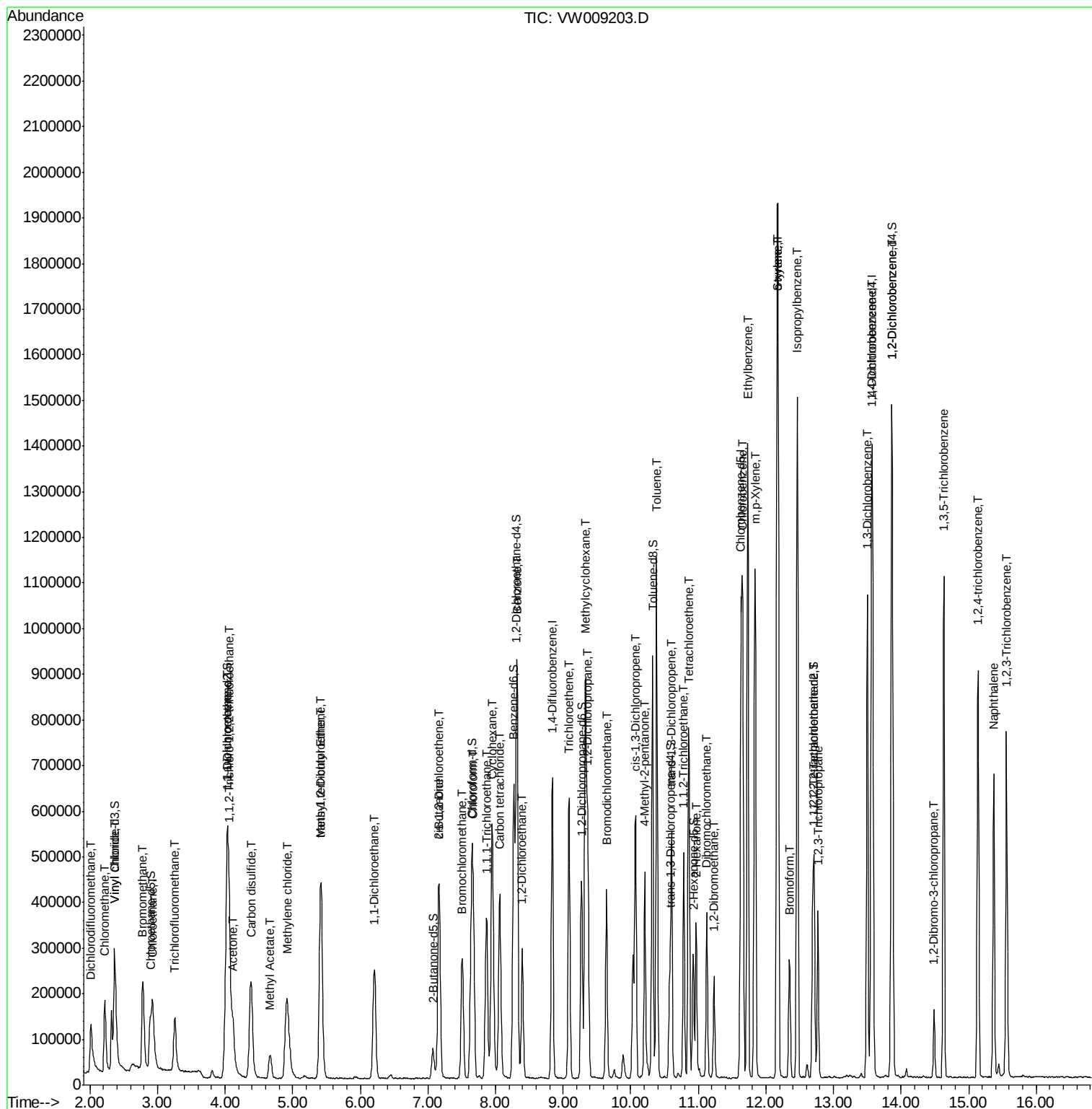
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	90576	25.500	ug/L	96
25) Chloroform	7.67	83	344449	26.387	ug/L	100
27) 1,2-Dichloroethane	8.40	62	248067	25.488	ug/L	100
30) Cyclohexane	7.95	56	315915	28.285	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	275757	28.075	ug/L	98
32) Carbon tetrachloride	8.06	117	285011	28.760	ug/L	99
34) Benzene	8.32	78	733727	27.258	ug/L	100
35) Trichloroethene	9.09	95	195734	27.289	ug/L	99
36) Methylcyclohexane	9.34	83	348192	28.059	ug/L	99
40) 1,2-Dichloropropane	9.37	63	183495	26.565	ug/L	99
41) Bromodichloromethane	9.64	83	254967	26.640	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	297655	26.458	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	294887	47.113	ug/L	99
44) Toluene	10.38	91	802687	27.274	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	257451	26.307	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	141713	25.716	ug/L	97
47) Tetrachloroethene	10.86	164	163985	27.058	ug/L	98
49) 2-Hexanone	10.97	43	219381	49.765	ug/L	100
50) Dibromochloromethane	11.13	129	179657	26.410	ug/L	99
51) 1,2-Dibromoethane	11.23	107	139946	25.051	ug/L	96
52) Chlorobenzene	11.66	112	509798	27.007	ug/L	99
53) Ethylbenzene	11.73	91	914898	27.650	ug/L	97
54) m,p-Xylene	11.84	106	346852	27.592	ug/L	96
55) o-xylene	12.16	106	332933	27.148	ug/L	96
56) Styrene	12.18	104	572621	27.366	ug/L	95
57) Isopropylbenzene	12.46	105	920996	28.035	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	185534	24.957	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	135633	24.584	ug/L	100
62) Bromoform	12.35	173	110294	25.312	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	402275	26.173	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	421367	26.517	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	387852	26.461	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	33715	23.470	ug/L	85
67) 1,3,5-Trichlorobenzene	14.63	180	321964	26.857	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	267103	26.525	ug/L	99
69) Naphthalene	15.37	128	536304	25.689	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	247396	26.231	ug/L	99

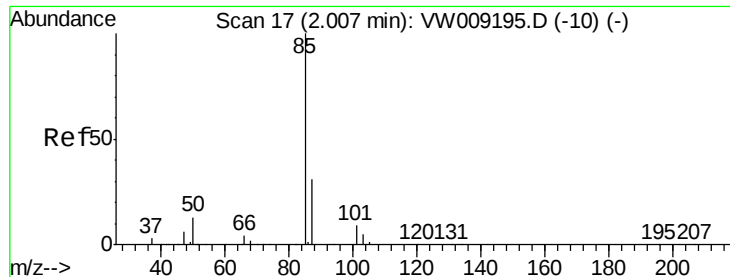
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW009203.D
Acq On : 16 Mar 2019 11:38
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Quant Time: Mar 18 02:39:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 15 23:26:07 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 27.432 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

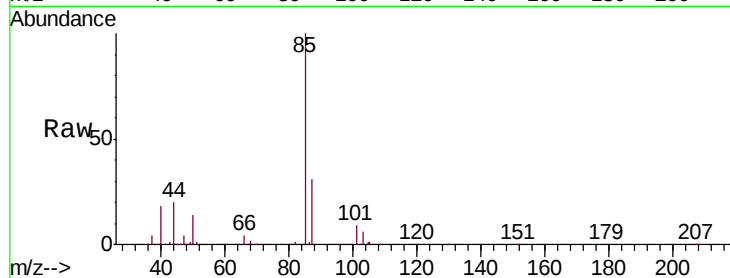
VSTD02511

Tgt Ion: 85 Resp: 190819

Ion Ratio Lower Upper

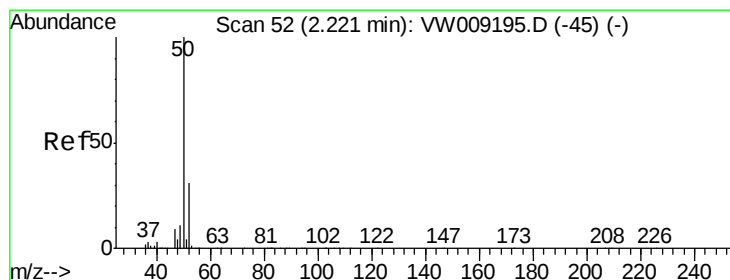
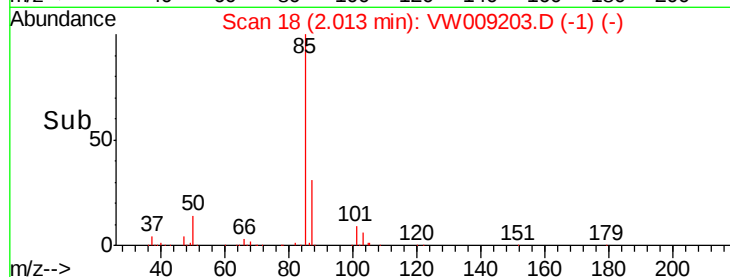
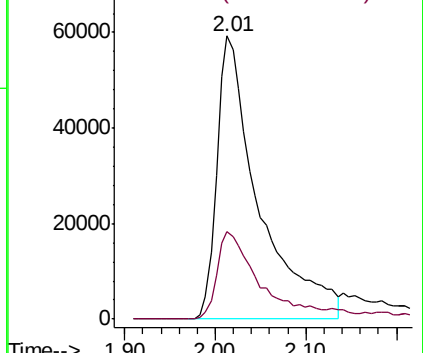
85 100

87 30.8 19.5 36.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.803 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW009203.D

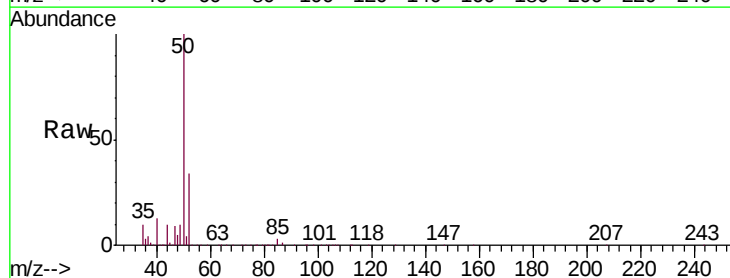
Acq: 16 Mar 2019 11:38

Tgt Ion: 50 Resp: 183049

Ion Ratio Lower Upper

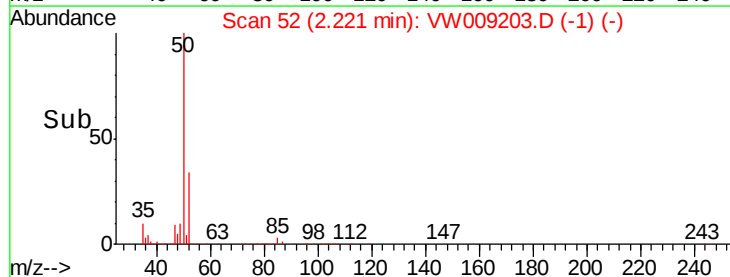
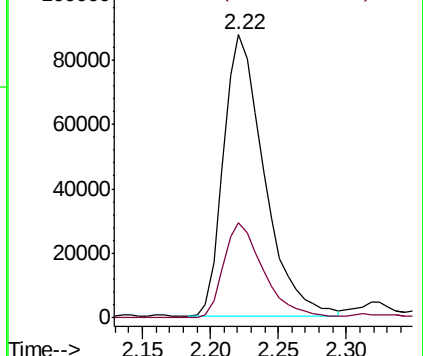
50 100

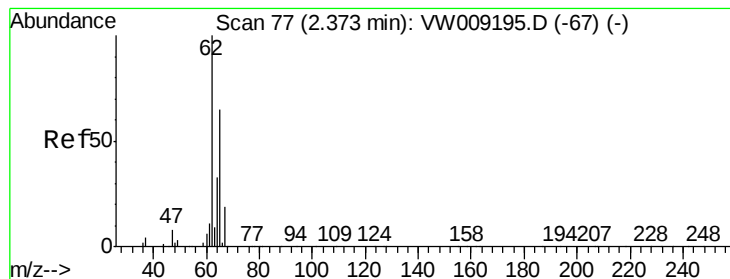
52 33.7 21.6 40.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 30.949 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

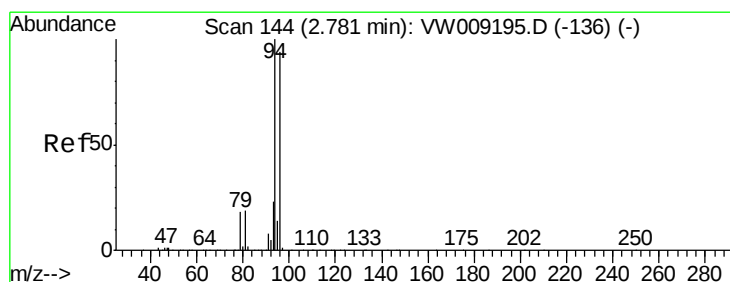
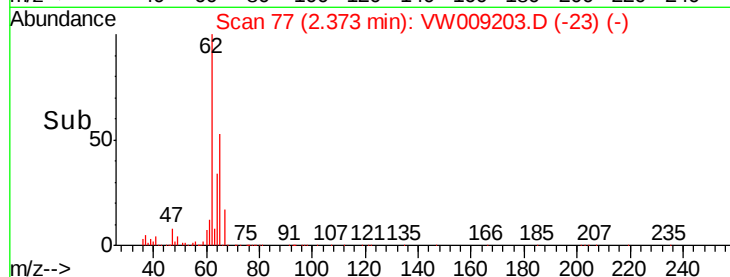
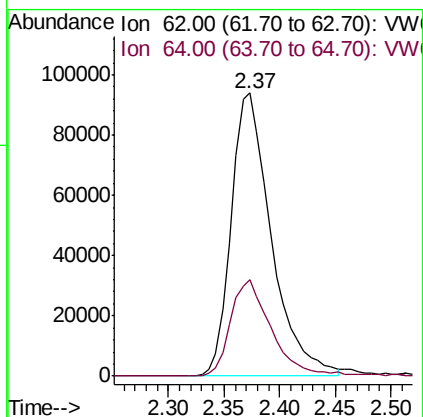
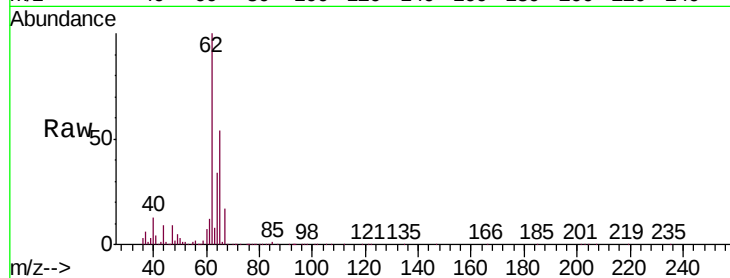
VSTD02511

Tgt Ion: 62 Resp: 235093

Ion Ratio Lower Upper

62 100

64 34.1 23.0 42.6



#6

Bromomethane

Concen: 25.307 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW009203.D

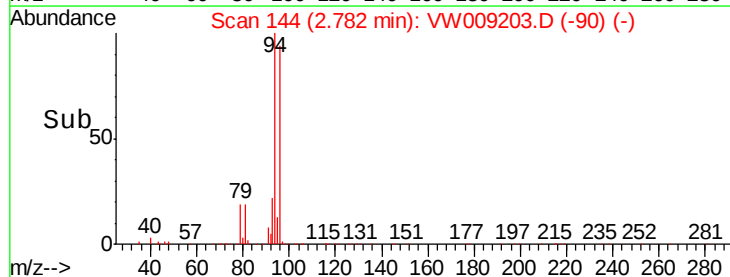
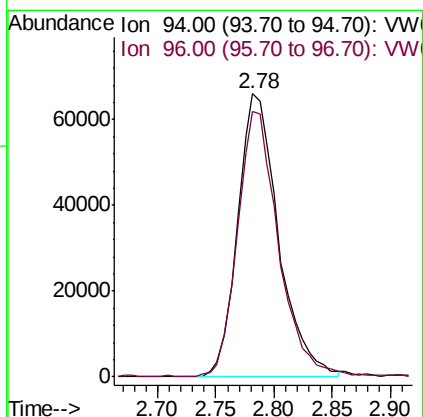
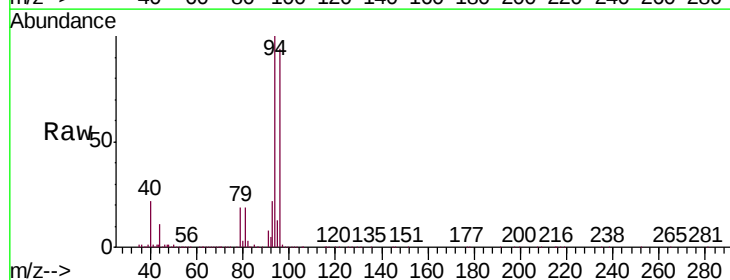
Acq: 16 Mar 2019 11:38

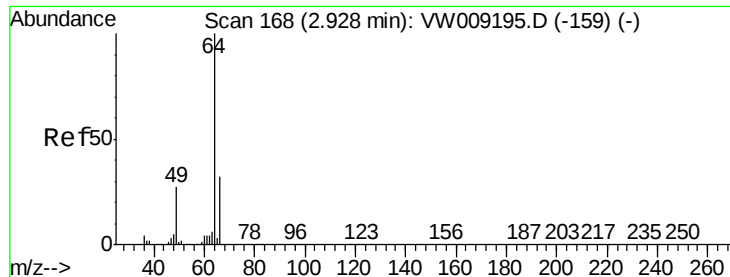
Tgt Ion: 94 Resp: 161055

Ion Ratio Lower Upper

94 100

96 94.1 9.4 178.4

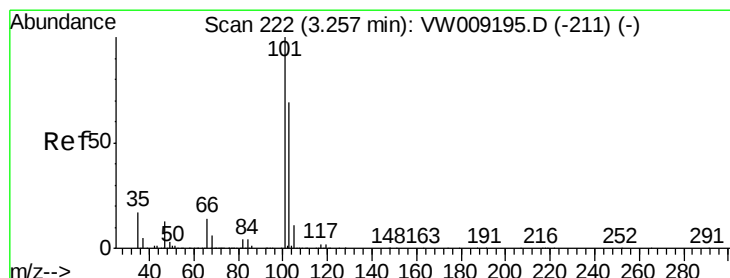
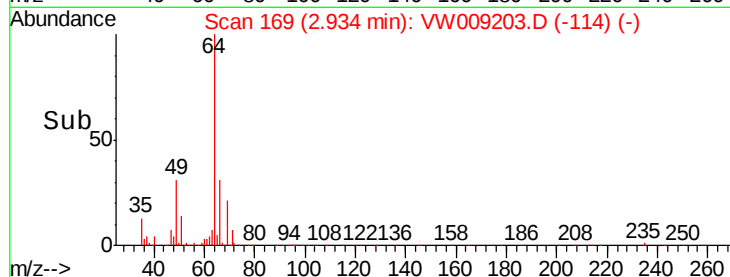
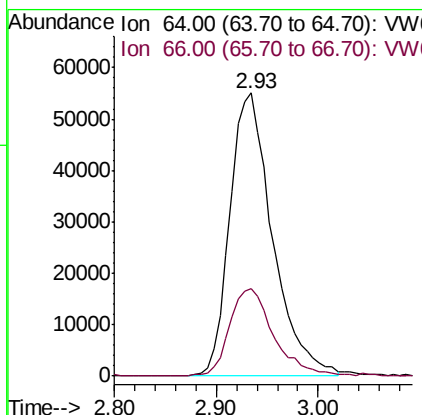
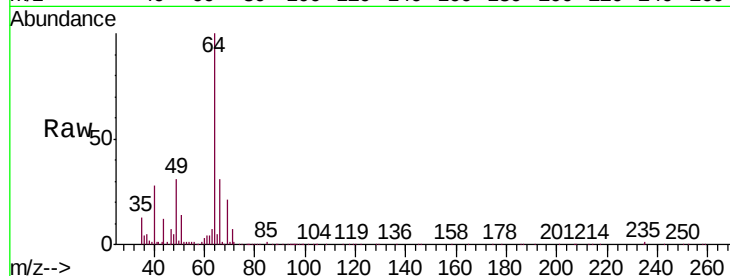




#8
Chloroethane
Concen: 25.410 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.01 min
Lab File: VW009203.D
Acq: 16 Mar 2019 11:38

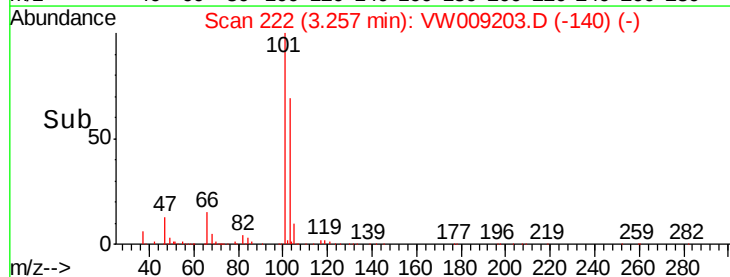
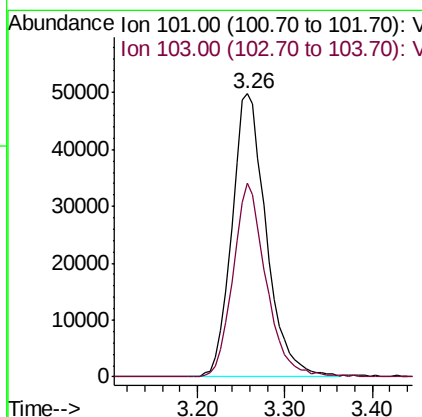
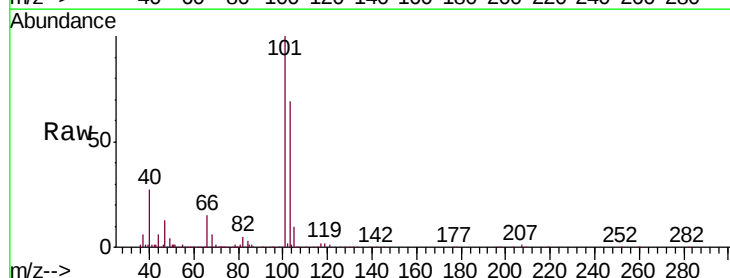
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

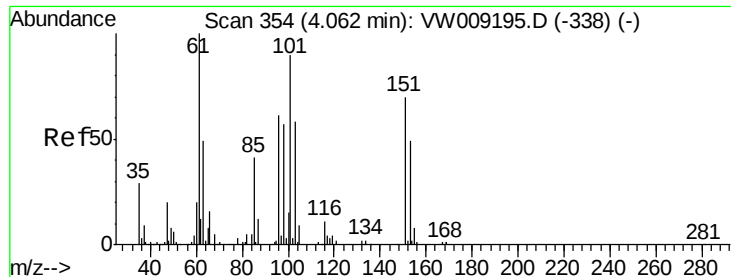
Tgt Ion: 64 Resp: 159693
Ion Ratio Lower Upper
64 100
66 31.1 25.1 46.7



#9
Trichlorofluoromethane
Concen: 22.670 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009203.D
Acq: 16 Mar 2019 11:38

Tgt Ion: 101 Resp: 136027
Ion Ratio Lower Upper
101 100
103 64.5 45.0 83.6





#11

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

Concen: 26.431 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

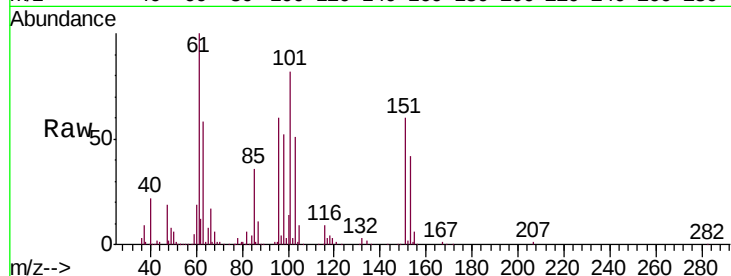
Tgt Ion:101 Resp: 183149

Ion Ratio Lower Upper

101 100

85 45.6 32.6 48.8

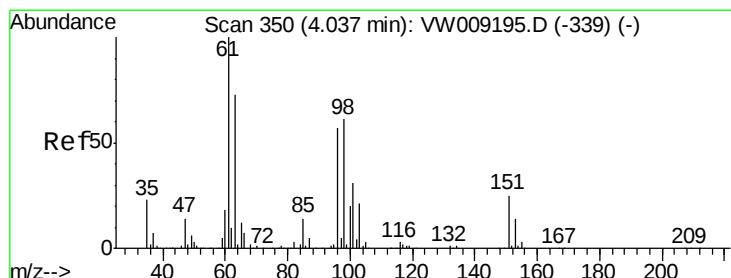
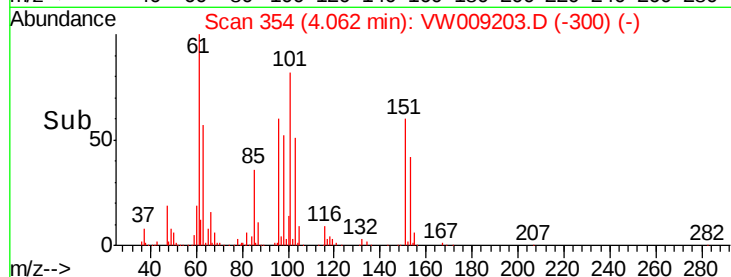
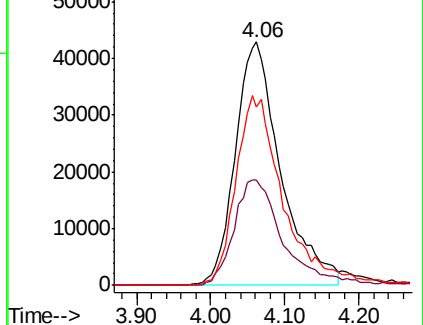
151 74.7 63.3 94.9



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: 28.700 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

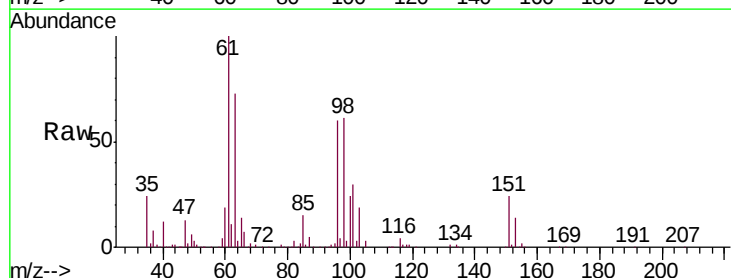
Tgt Ion: 96 Resp: 186612

Ion Ratio Lower Upper

96 100

61 166.4 129.4 240.2

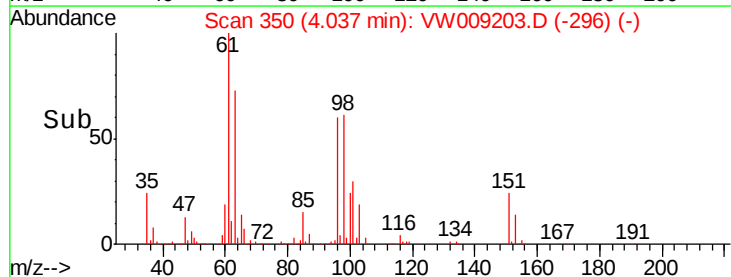
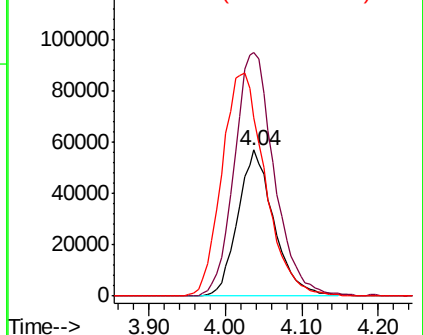
63 122.0 116.8 217.0

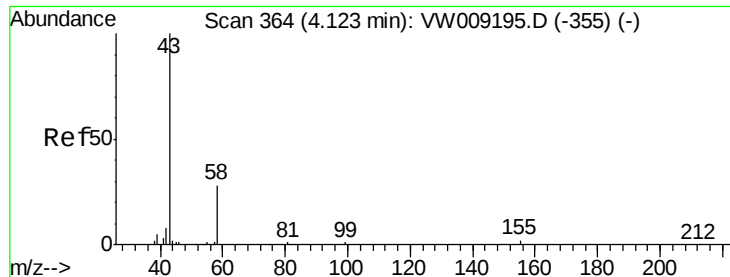


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 56.124 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

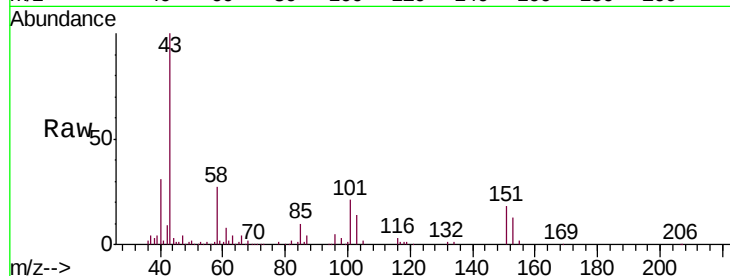
VSTD02511

Tgt Ion: 43 Resp: 120104

Ion Ratio Lower Upper

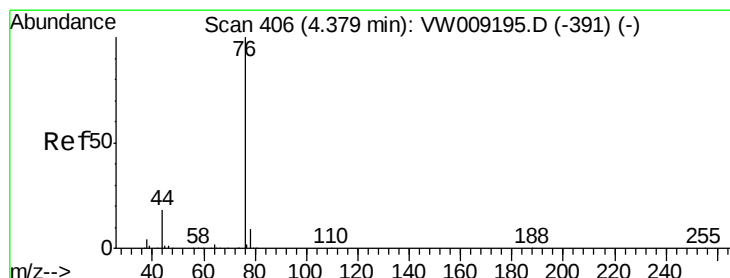
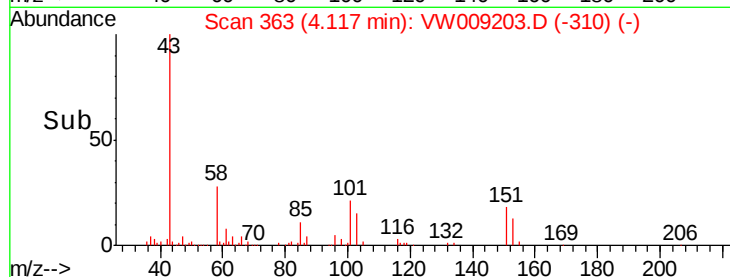
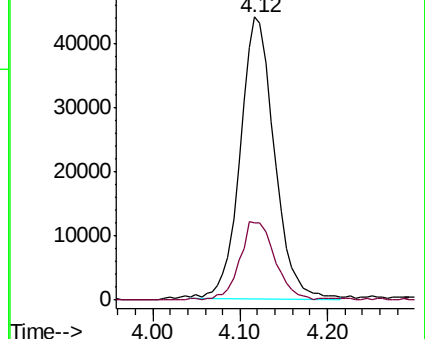
43 100

58 28.4 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 30.414 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW009203.D

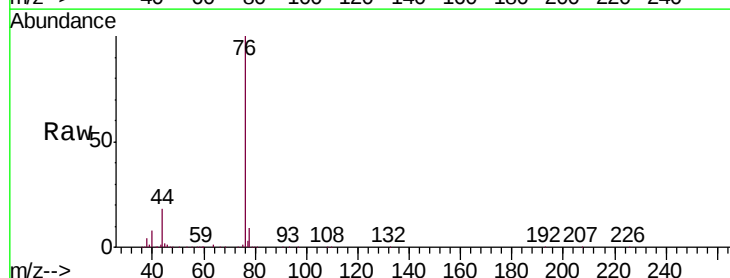
Acq: 16 Mar 2019 11:38

Tgt Ion: 76 Resp: 532227

Ion Ratio Lower Upper

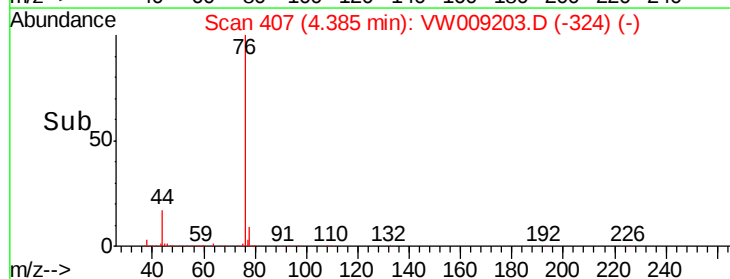
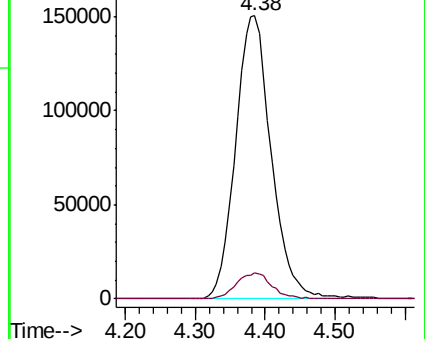
76 100

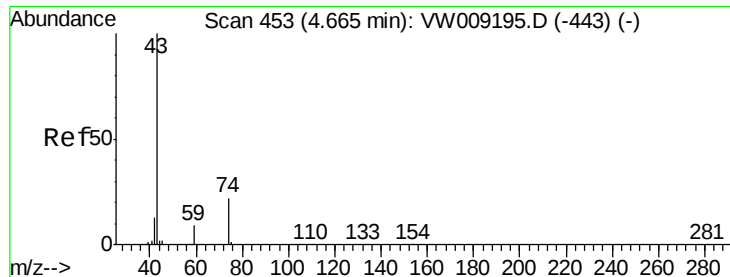
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

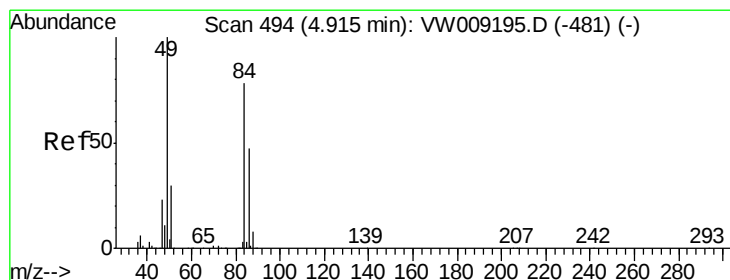
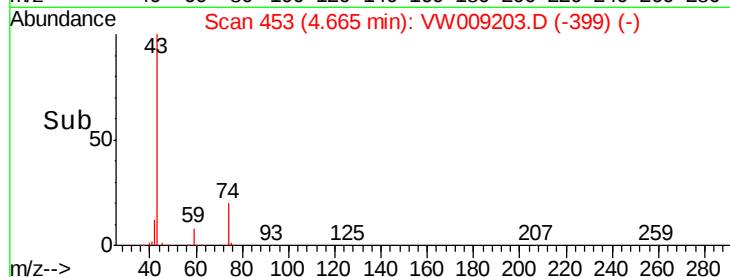
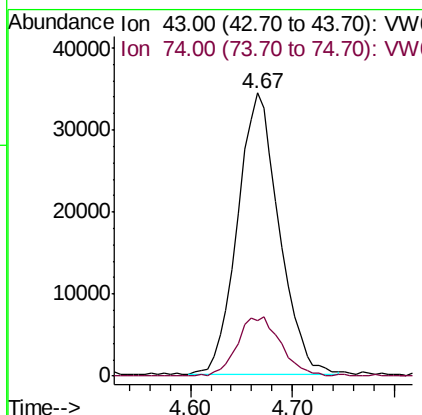
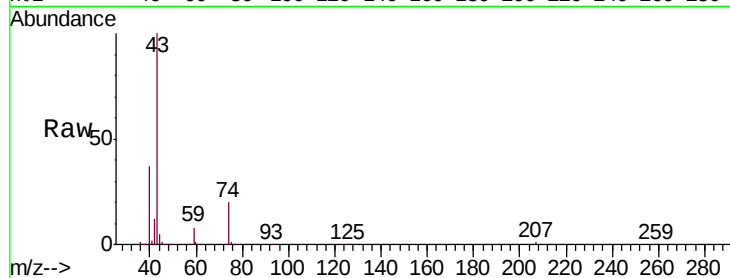




#15
Methyl Acetate
Concen: 23.262 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009203.D
Acq: 16 Mar 2019 11:38

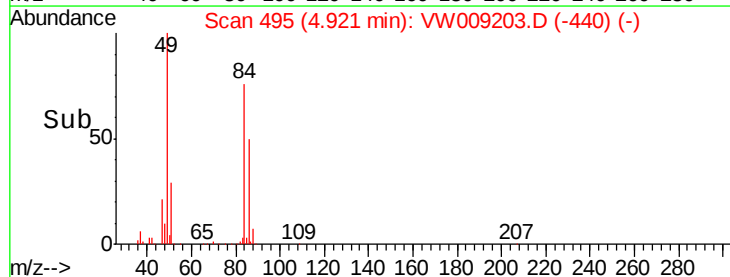
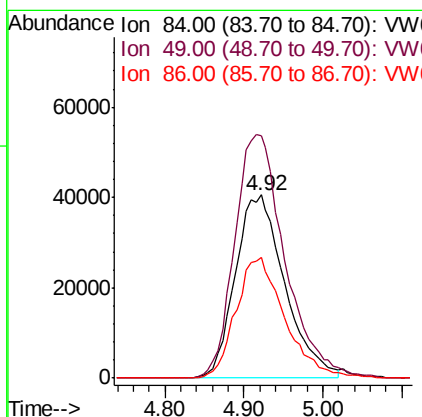
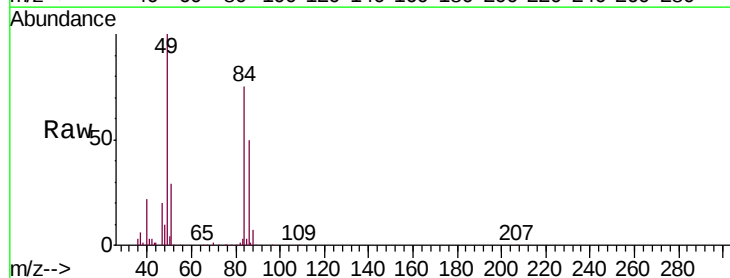
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

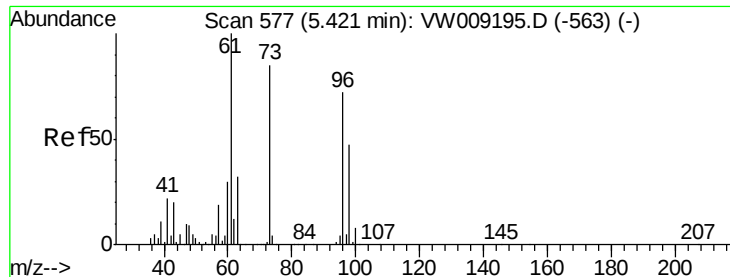
Tgt Ion: 43 Resp: 97794
Ion Ratio Lower Upper
43 100
74 21.8 16.7 25.1



#16
Methylene chloride
Concen: 22.998 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009203.D
Acq: 16 Mar 2019 11:38

Tgt Ion: 84 Resp: 177086
Ion Ratio Lower Upper
84 100
49 132.7 96.0 178.2
86 66.1 44.4 82.5

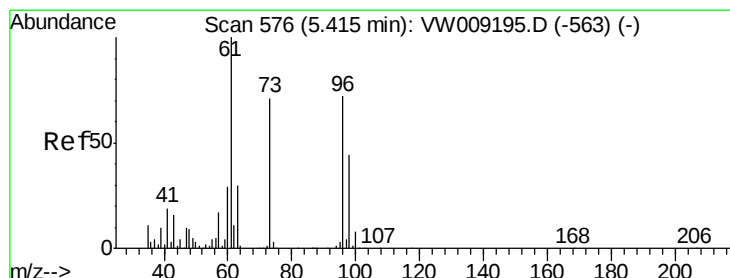
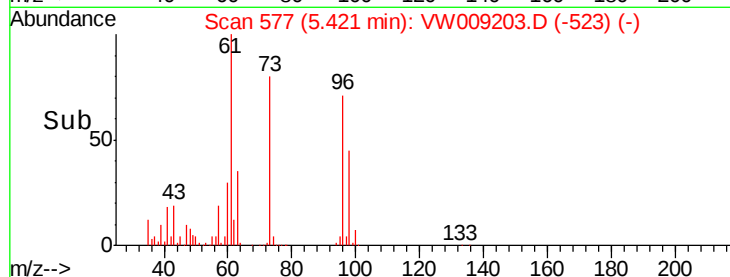
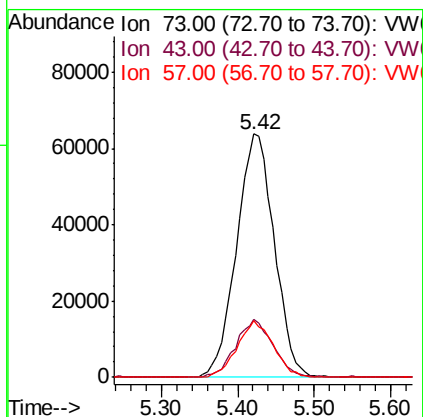
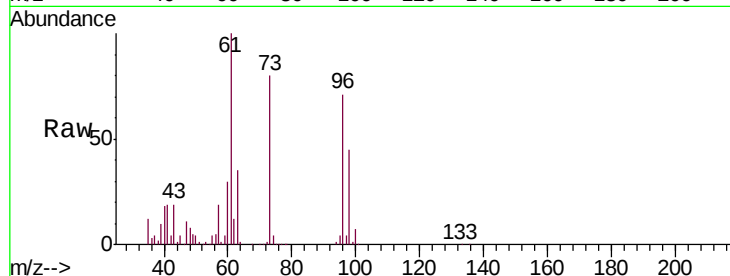




#17
Methyl tert-butyl Ether
Concen: 23.753 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009203.D
Acq: 16 Mar 2019 11:38

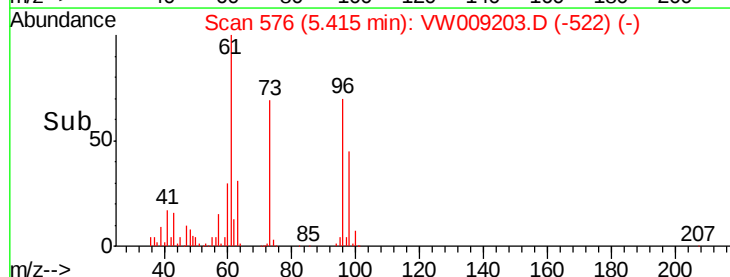
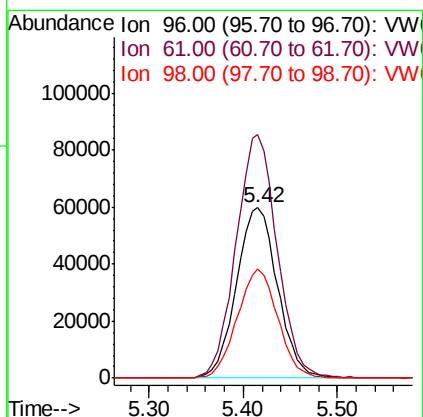
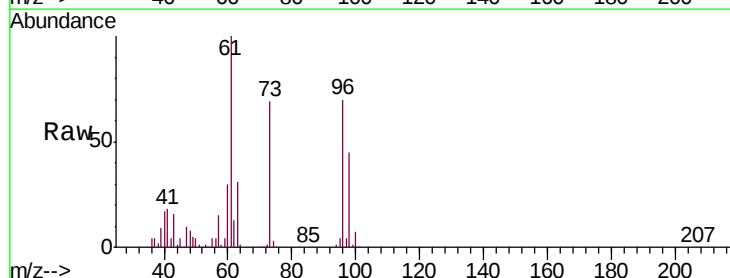
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

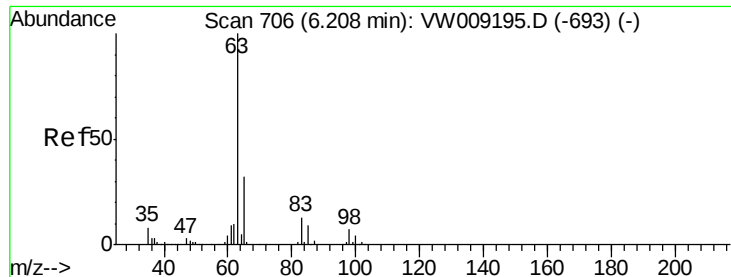
Tgt Ion: 73 Resp: 218539
Ion Ratio Lower Upper
73 100
43 23.4 18.2 27.4
57 22.2 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 26.665 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW009203.D
Acq: 16 Mar 2019 11:38

Tgt Ion: 96 Resp: 182292
Ion Ratio Lower Upper
96 100
61 142.8 96.7 179.5
98 63.8 43.8 81.4

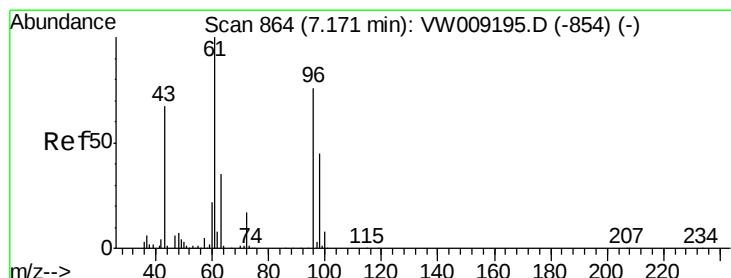
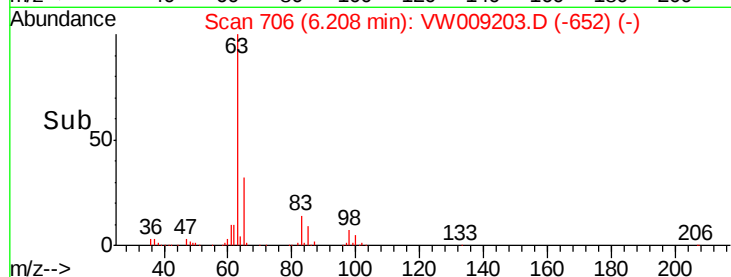
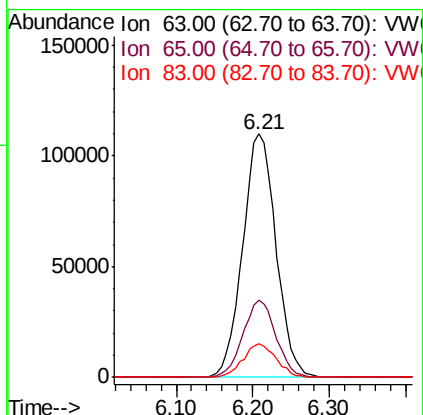
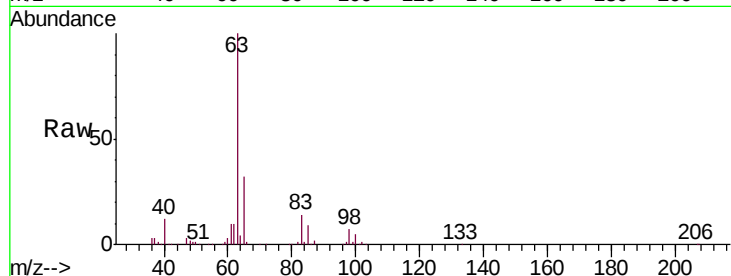




#19
 1,1-Dichloroethane
 Concen: 26.689 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW009203.D
 Acq: 16 Mar 2019 11:38

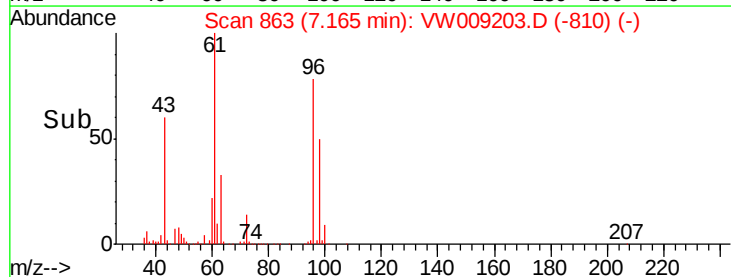
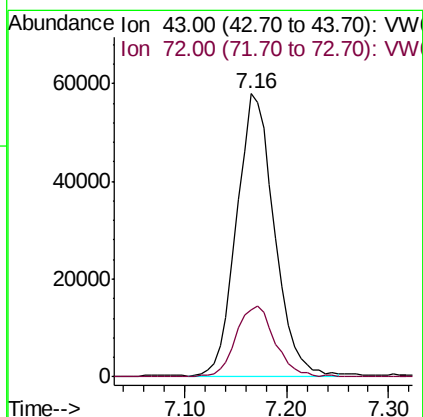
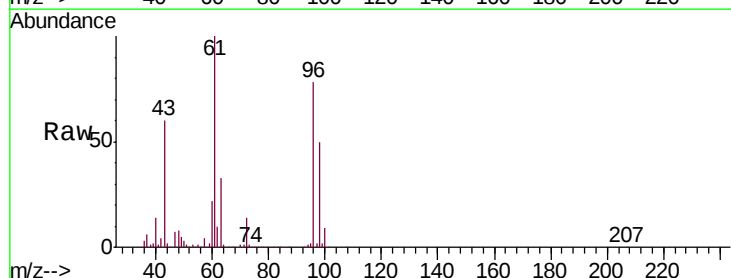
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

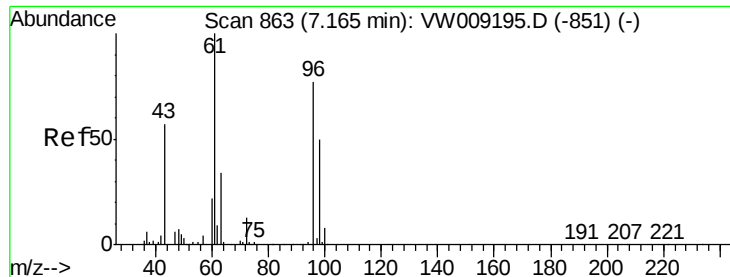
Tgt Ion: 63 Resp: 332683
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.6 40.0
 83 13.8 10.1 18.7



#21
 2-Butanone
 Concen: 50.293 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW009203.D
 Acq: 16 Mar 2019 11:38

Tgt Ion: 43 Resp: 148606
 Ion Ratio Lower Upper
 43 100
 72 25.7 13.1 39.1



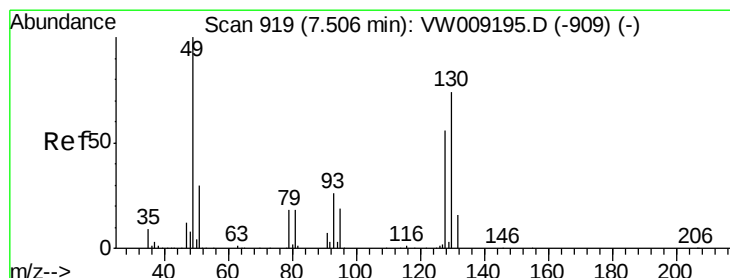
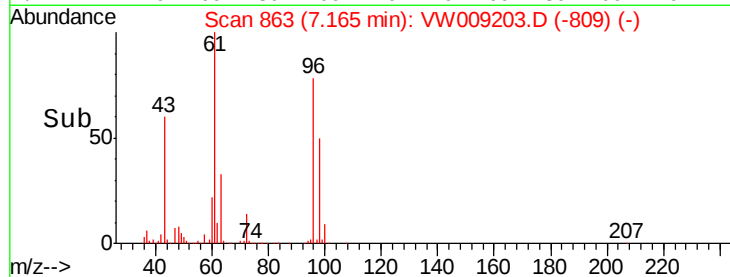
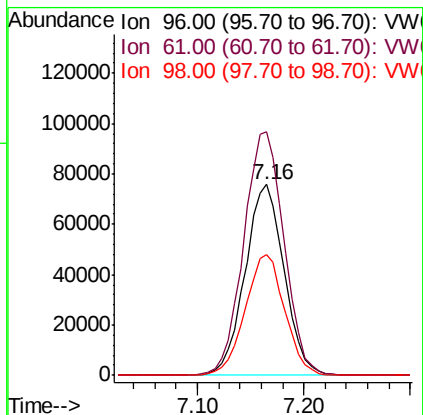
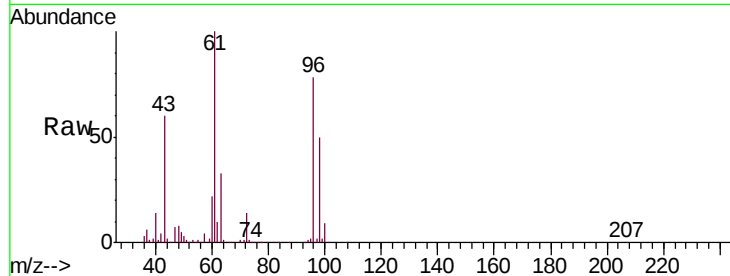


#22

cis-1,2-Dichloroethene
Concen: 26.334 ug/L
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009203.D
Acq: 16 Mar 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

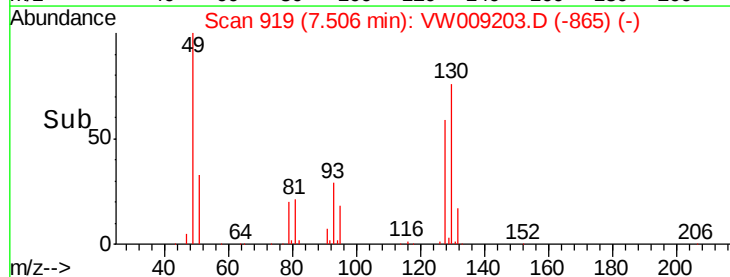
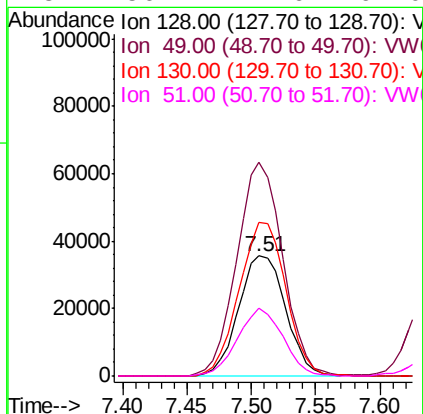
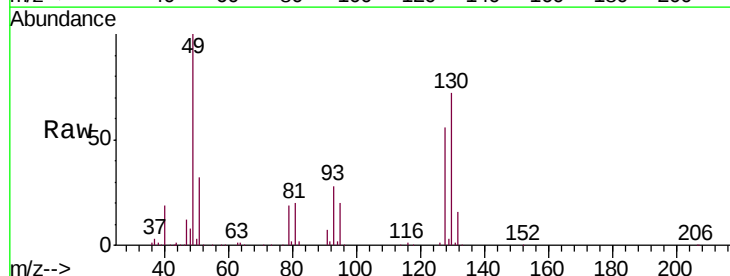
Tgt Ion: 96 Resp: 195024
Ion Ratio Lower Upper
96 100
61 127.7 90.6 168.3
98 63.2 44.0 81.8

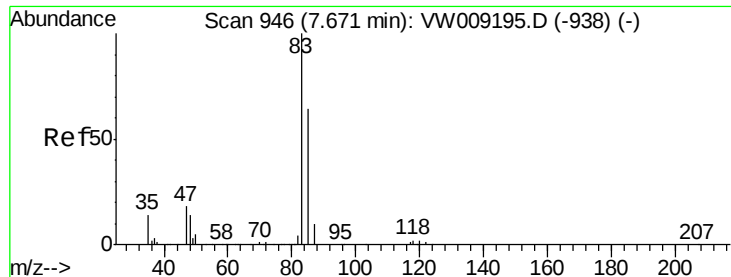


#23

Bromochloromethane
Concen: 25.500 ug/L
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009203.D
Acq: 16 Mar 2019 11:38

Tgt Ion: 128 Resp: 90576
Ion Ratio Lower Upper
128 100
49 178.1 118.4 219.8
130 128.3 87.8 163.2
51 56.7 44.6 67.0





#25

Chloroform

Concen: 26.387 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

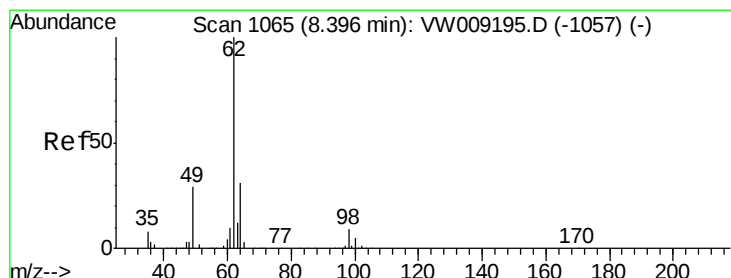
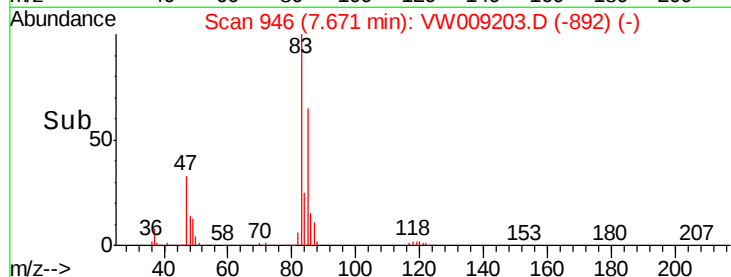
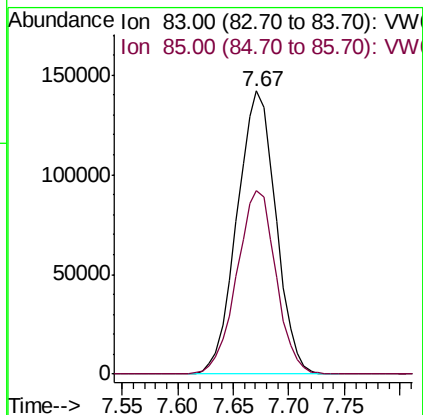
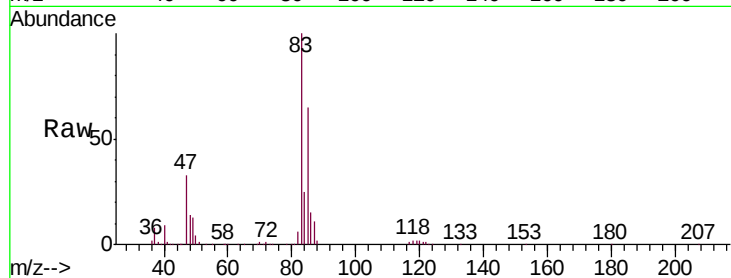
VSTD02511

Tgt Ion: 83 Resp: 344449

Ion Ratio Lower Upper

83 100

85 65.4 46.0 85.4



#27

1,2-Dichloroethane

Concen: 25.488 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009203.D

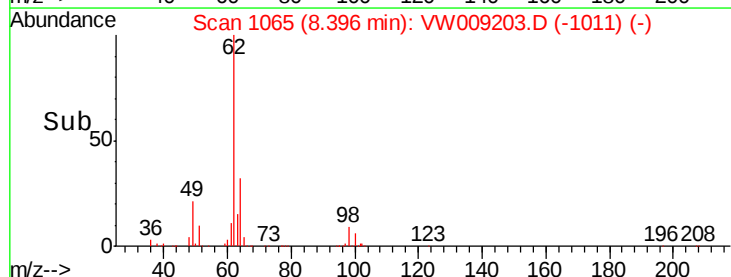
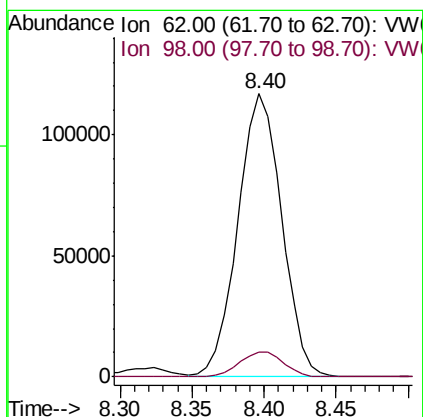
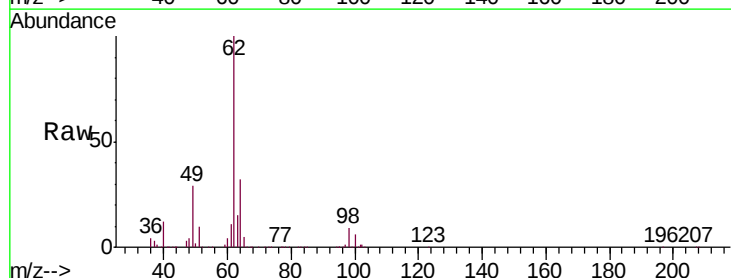
Acq: 16 Mar 2019 11:38

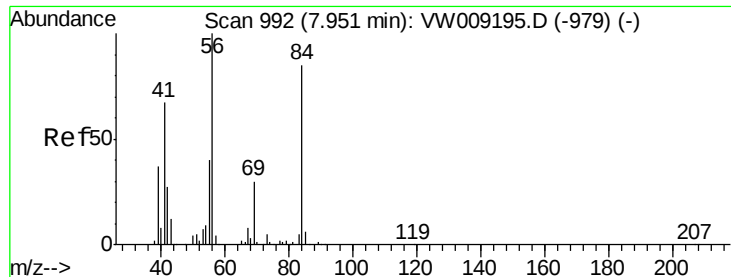
Tgt Ion: 62 Resp: 248067

Ion Ratio Lower Upper

62 100

98 8.9 7.3 10.9

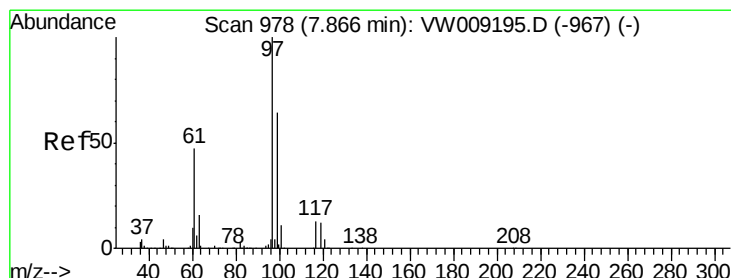
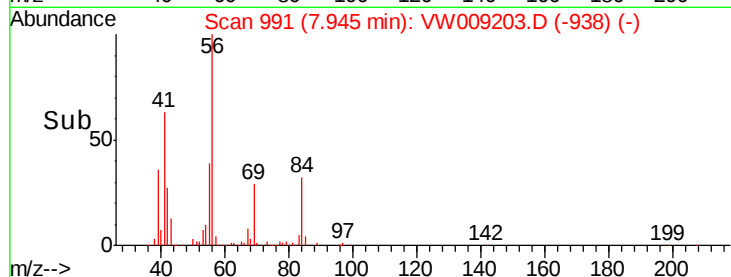
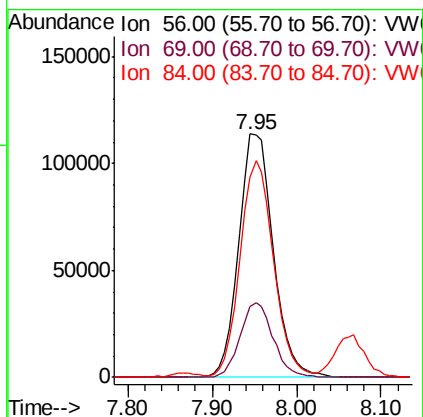
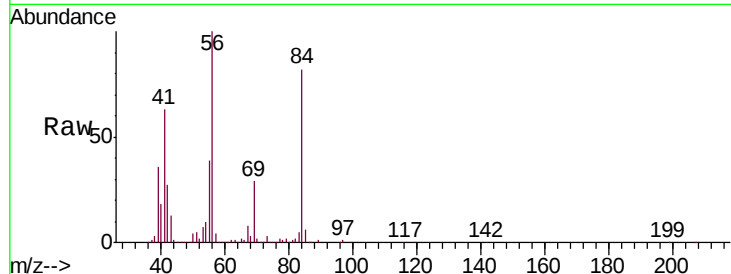




#30
Cyclohexane
Concen: 28.285 ug/L
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009203.D
Acq: 16 Mar 2019 11:38

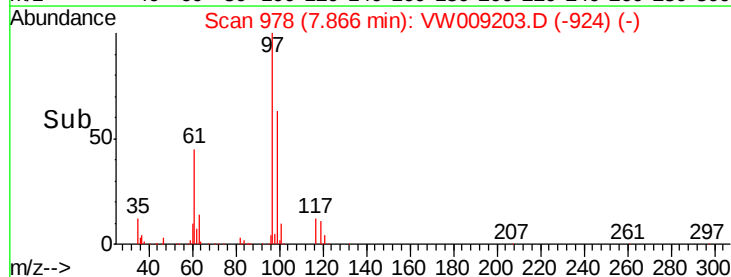
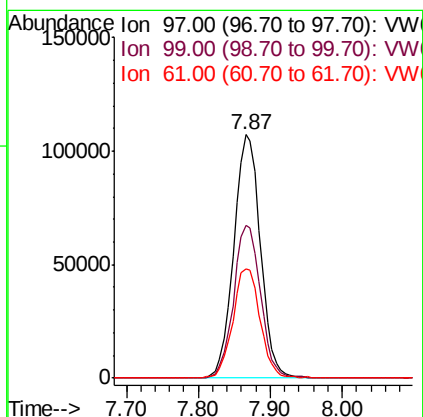
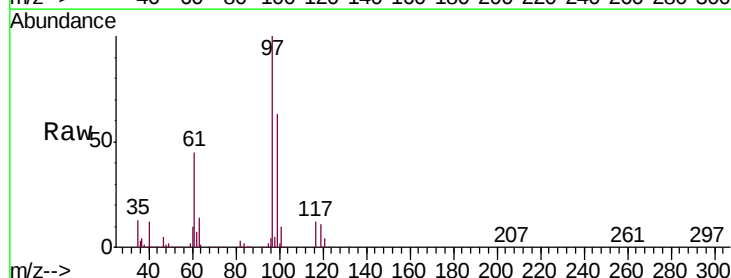
Instrument :
MSVOA_W
ClientSampled :
VSTD02511

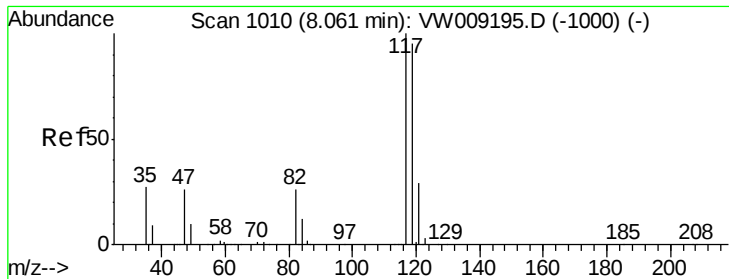
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.0	36.0
84	86.6	69.2	103.8



#31
1,1,1-Trichloroethane
Concen: 28.075 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009203.D
Acq: 16 Mar 2019 11:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.2	76.8
61	46.0	38.4	57.6





#32

Carbon tetrachloride

Concen: 28.760 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

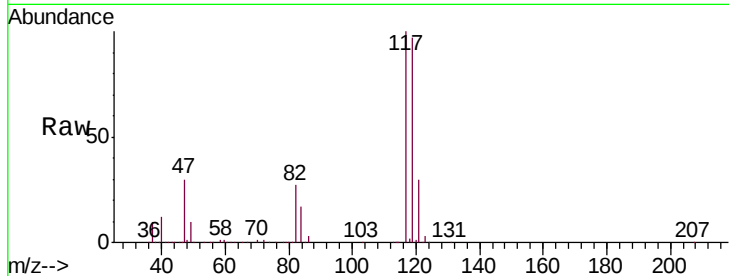
VSTD02511

Tgt Ion:117 Resp: 285011

Ion Ratio Lower Upper

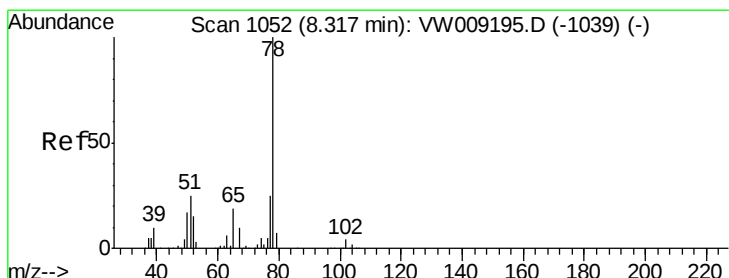
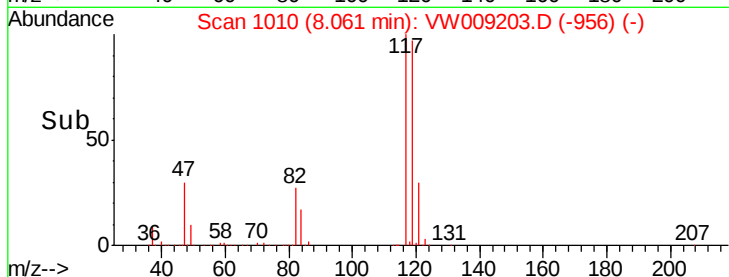
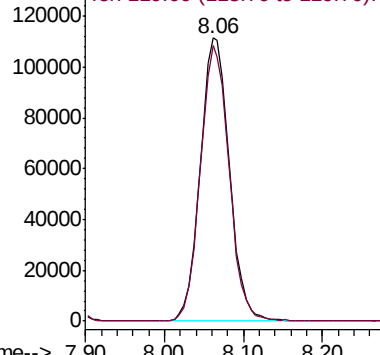
117 100

119 96.4 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.258 ug/L

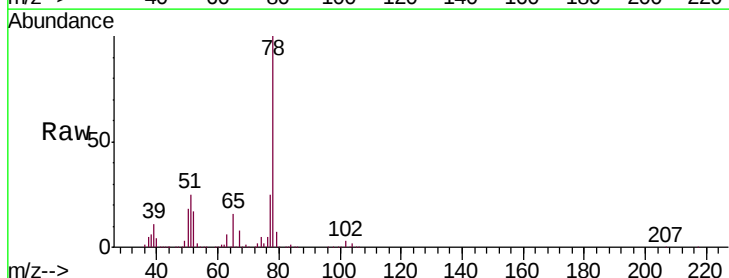
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

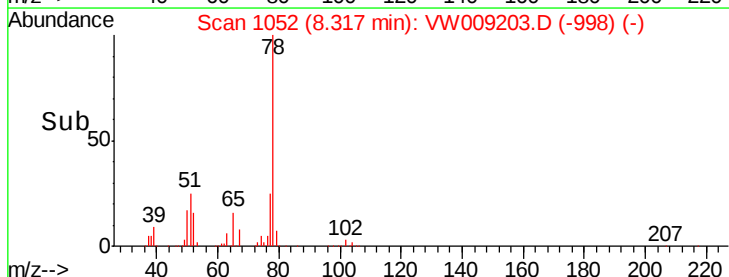
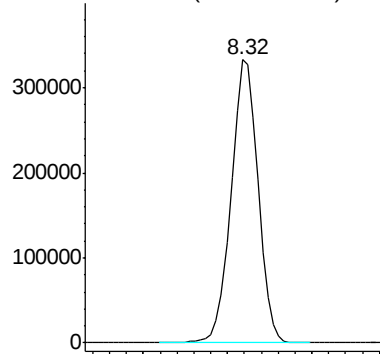
Lab File: VW009203.D

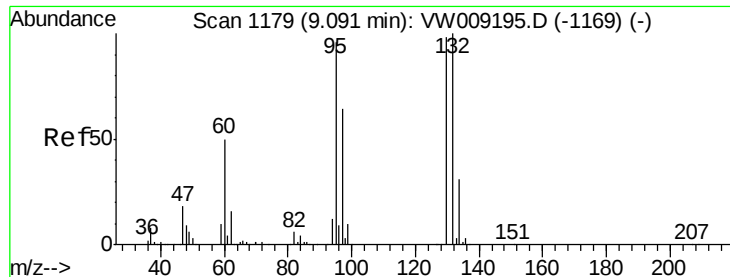
Acq: 16 Mar 2019 11:38

Tgt Ion: 78 Resp: 733727



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 27.289 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

Tgt Ion: 95 Resp: 195734

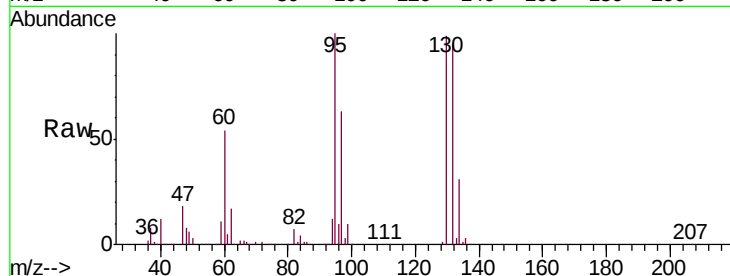
Ion Ratio Lower Upper

95 100

97 63.4 44.7 82.9

132 98.7 69.0 128.2

130 102.7 72.7 134.9

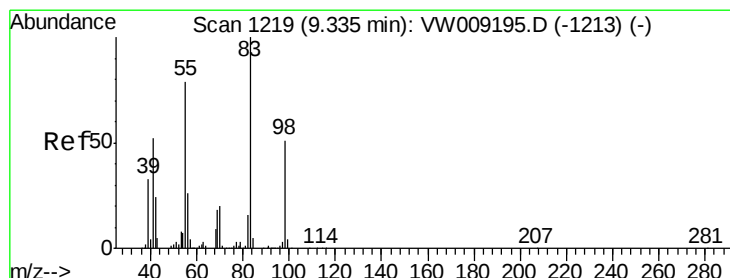
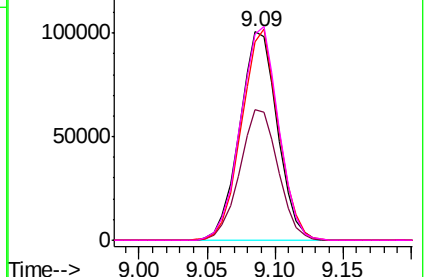
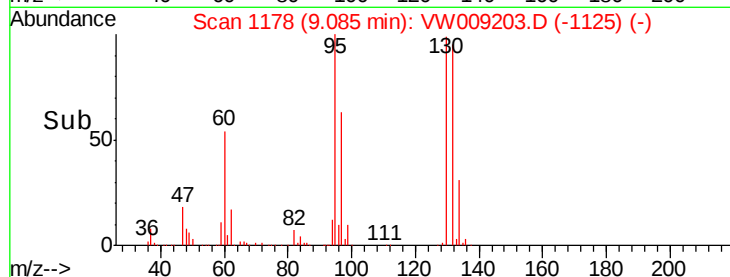


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 28.059 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

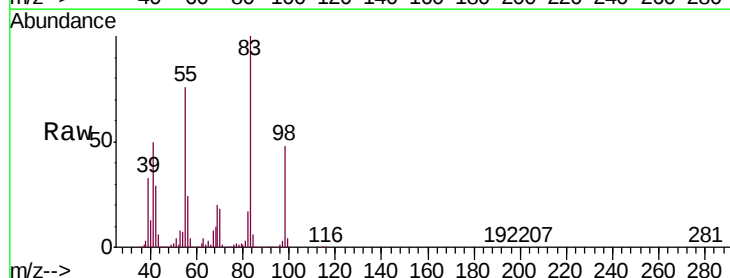
Tgt Ion: 83 Resp: 348192

Ion Ratio Lower Upper

83 100

55 78.0 63.5 95.3

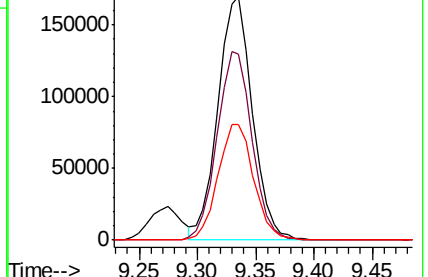
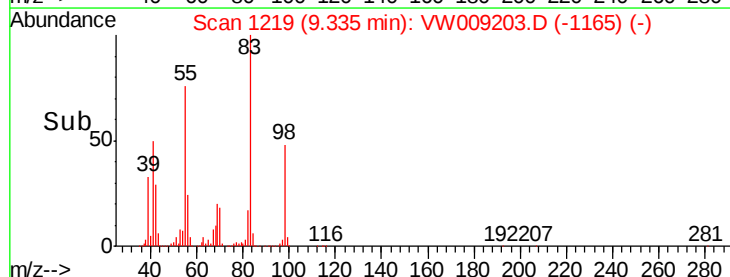
98 49.2 39.8 59.8

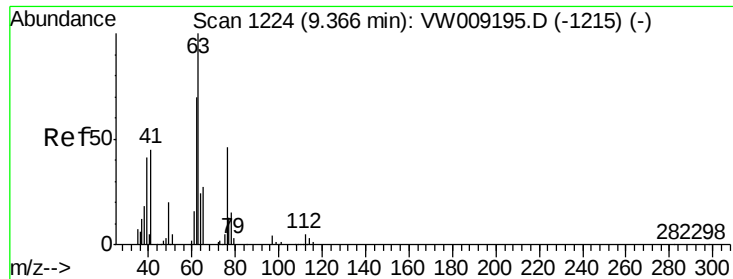


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

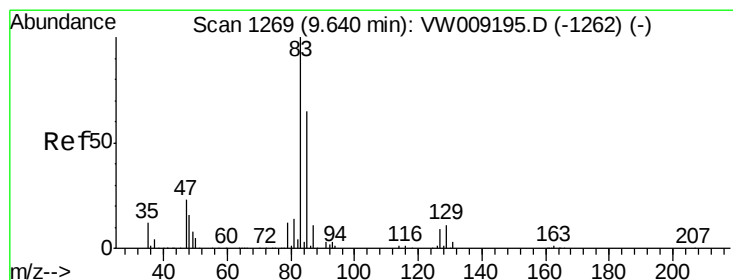
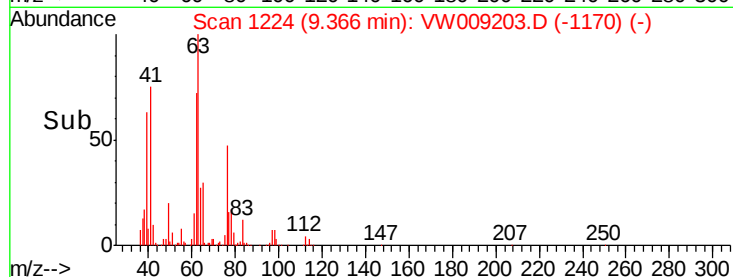
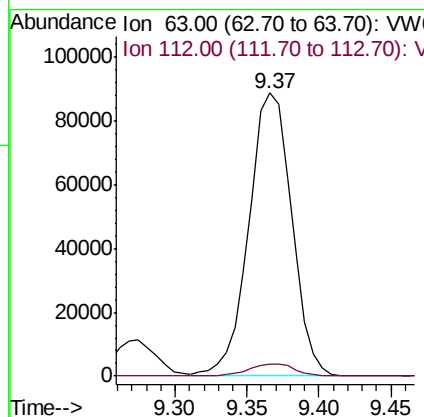
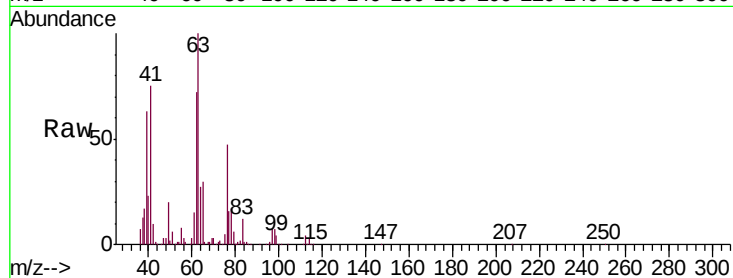




#40
 1,2-Dichloropropane
 Concen: 26.565 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009203.D
 Acq: 16 Mar 2019 11:38

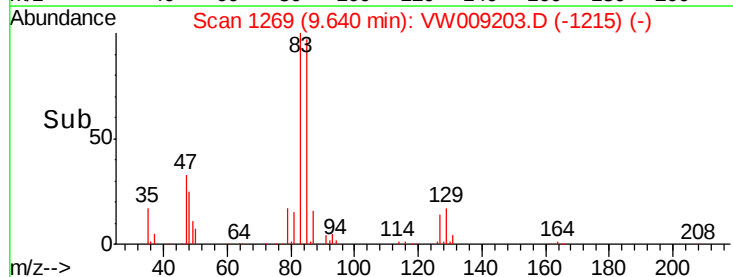
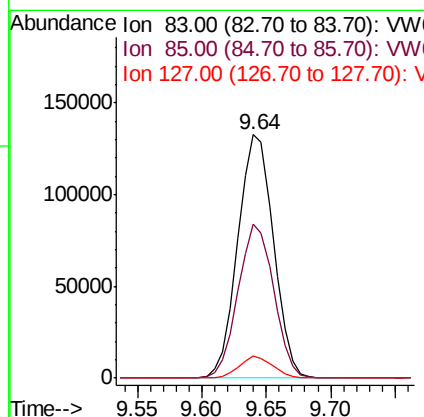
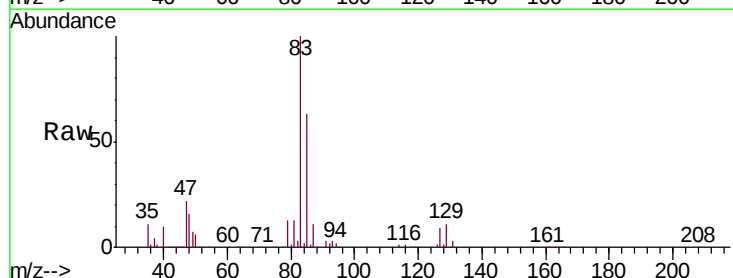
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

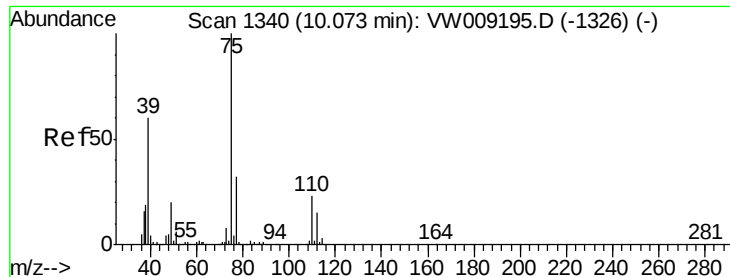
Tgt Ion: 63 Resp: 183495
 Ion Ratio Lower Upper
 63 100
 112 4.5 4.0 6.0



#41
 Bromodichloromethane
 Concen: 26.640 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW009203.D
 Acq: 16 Mar 2019 11:38

Tgt Ion: 83 Resp: 254967
 Ion Ratio Lower Upper
 83 100
 85 63.5 43.5 80.7
 127 8.9 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 26.458 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

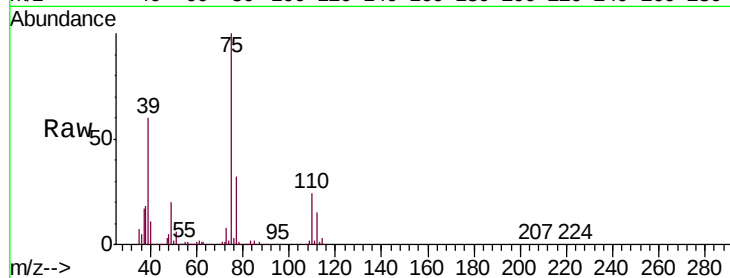
VSTD02511

Tgt Ion: 75 Resp: 297655

Ion Ratio Lower Upper

75 100

77 32.2 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

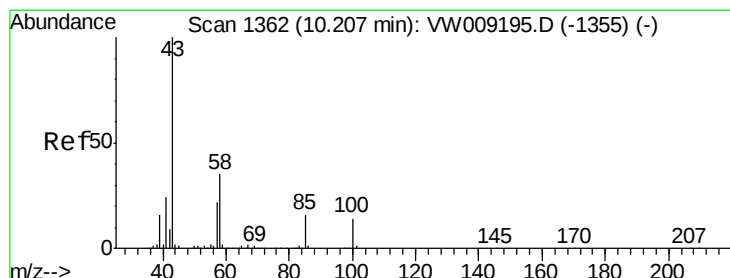
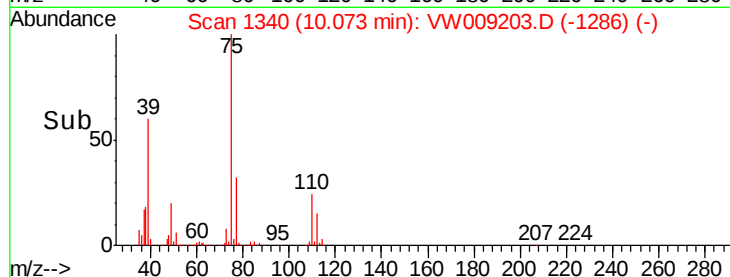
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 47.113 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

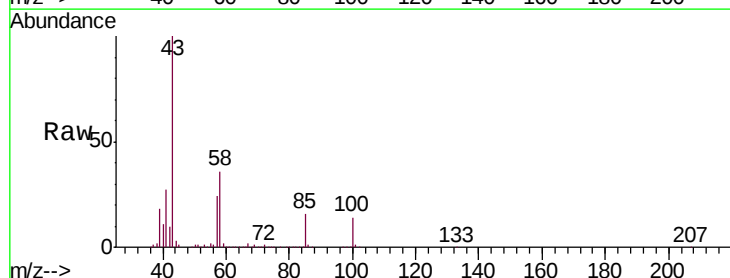
Tgt Ion: 43 Resp: 294887

Ion Ratio Lower Upper

43 100

58 35.5 28.2 42.2

100 14.1 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

300000

250000

200000

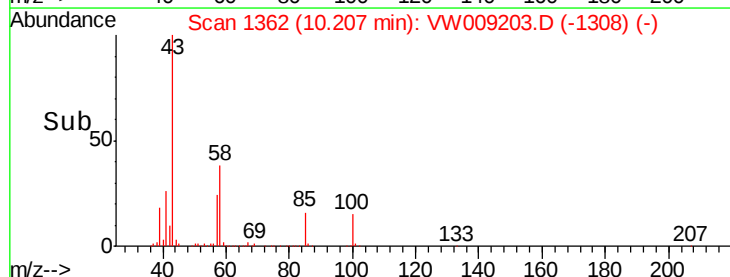
150000

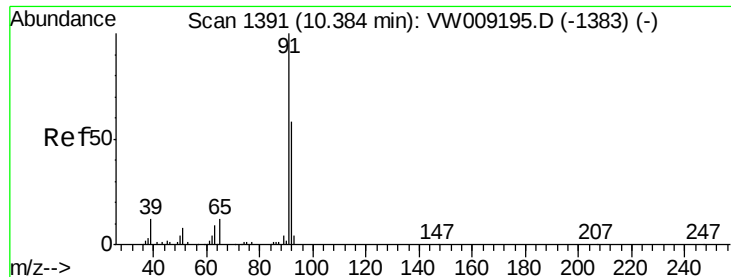
100000

50000

0

Time-->





#44

Toluene

Concen: 27.274 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

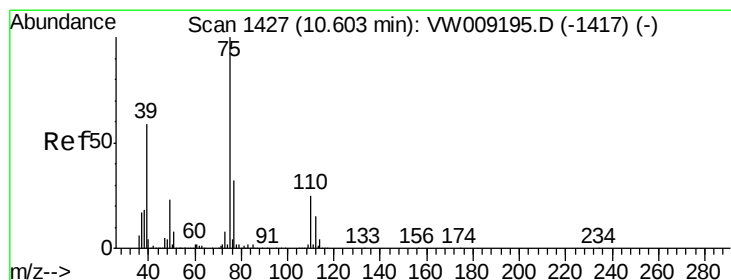
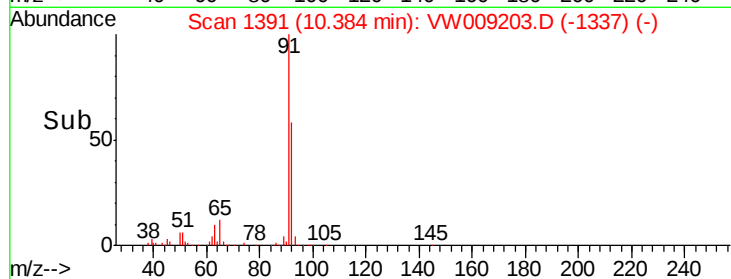
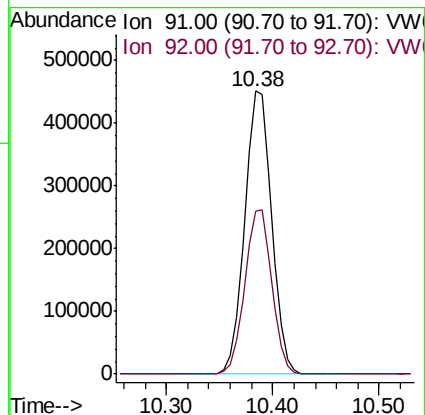
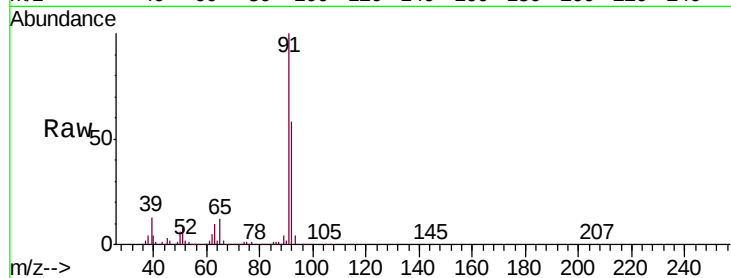
VSTD02511

Tgt Ion: 91 Resp: 802687

Ion Ratio Lower Upper

91 100

92 57.7 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 26.307 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009203.D

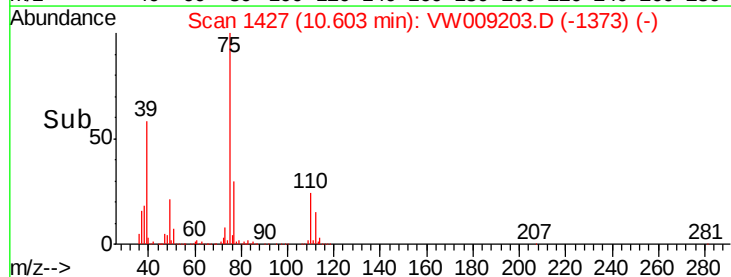
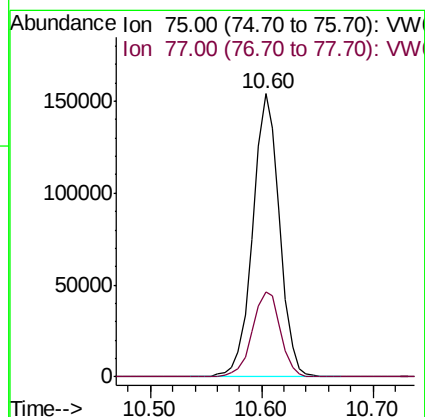
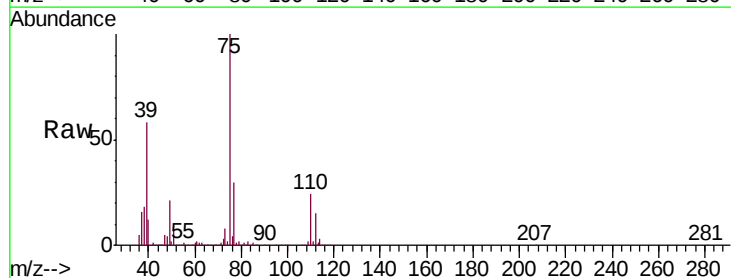
Acq: 16 Mar 2019 11:38

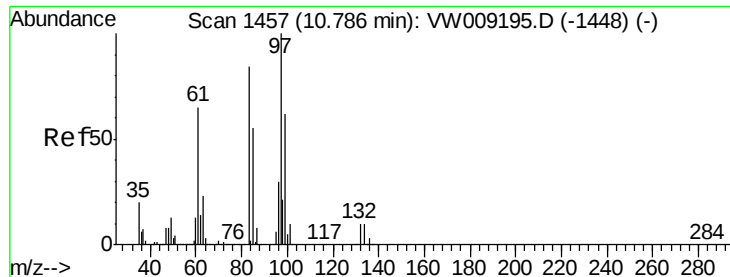
Tgt Ion: 75 Resp: 257451

Ion Ratio Lower Upper

75 100

77 30.1 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 25.716 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

Tgt Ion: 97 Resp: 141713

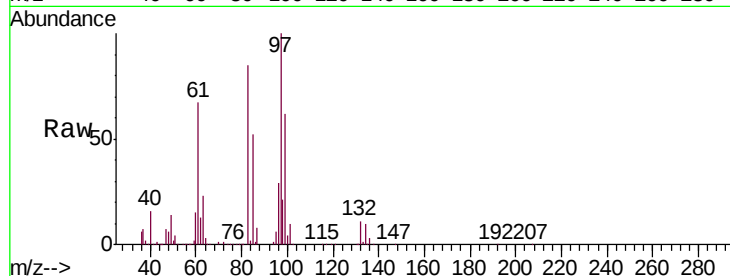
Ion Ratio Lower Upper

97 100

83 85.2 60.7 112.7

85 51.8 40.1 74.5

99 62.3 43.8 81.3

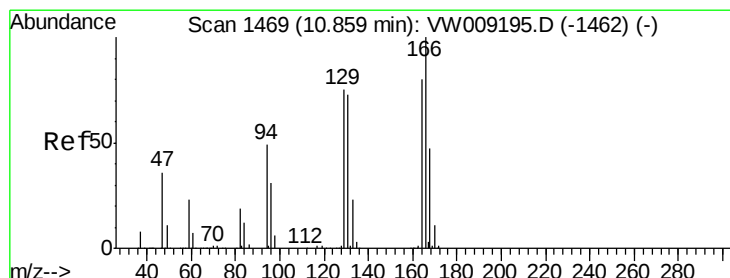
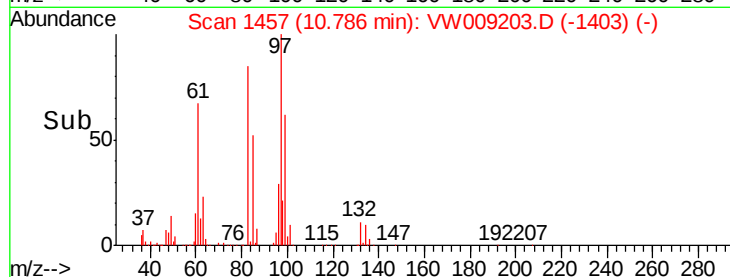
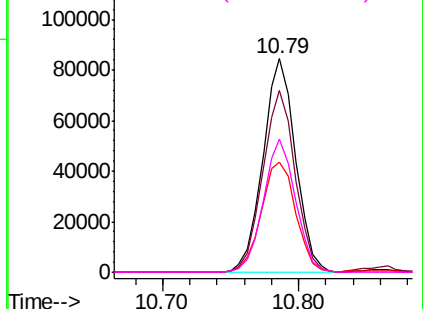


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 27.058 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Tgt Ion: 164 Resp: 163985

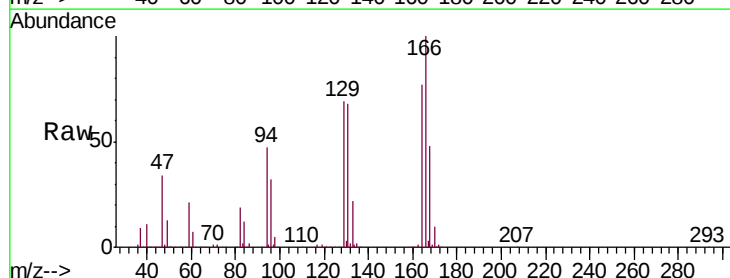
Ion Ratio Lower Upper

164 100

129 90.3 66.5 123.5

131 88.8 62.6 116.3

166 130.4 91.6 170.0

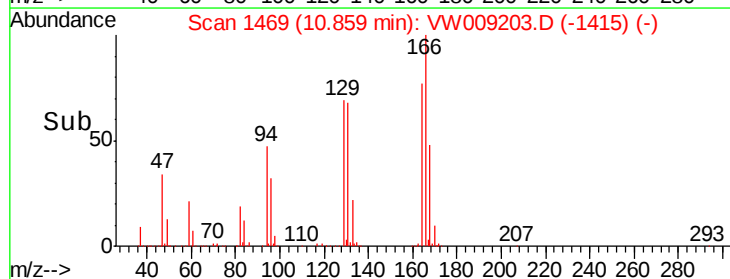
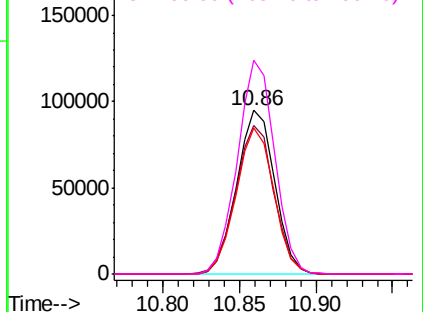


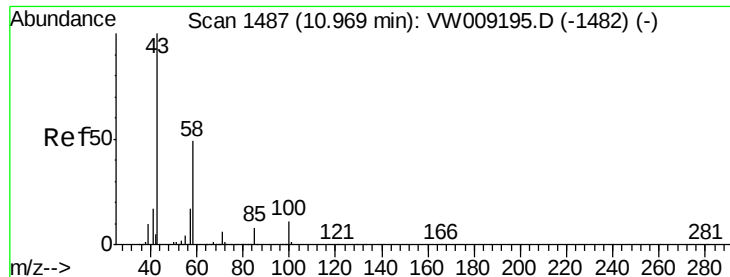
Abundance Ion 164.00 (163.70 to 164.70): V

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

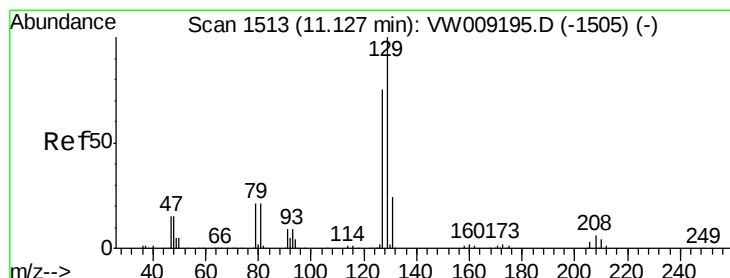
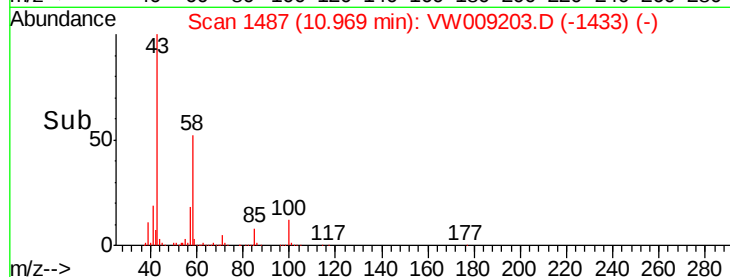
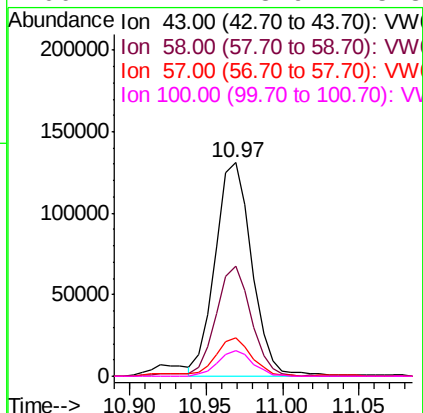
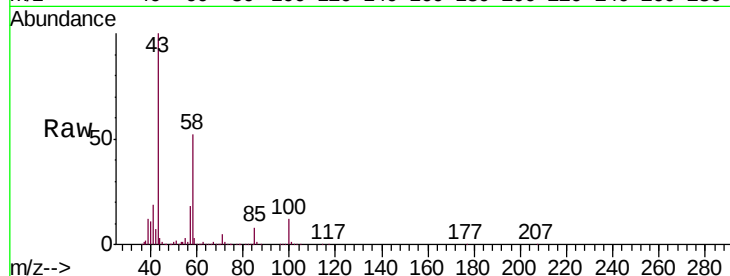




#49
2-Hexanone
Concen: 49.765 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009203.D
Acq: 16 Mar 2019 11:38

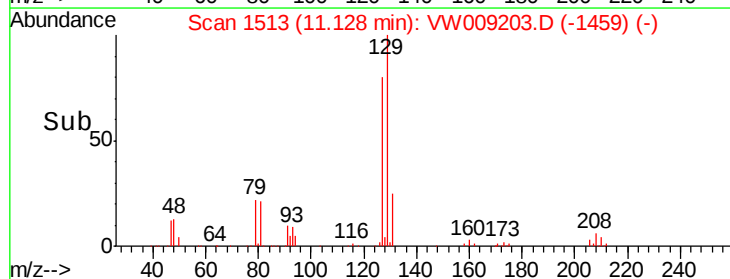
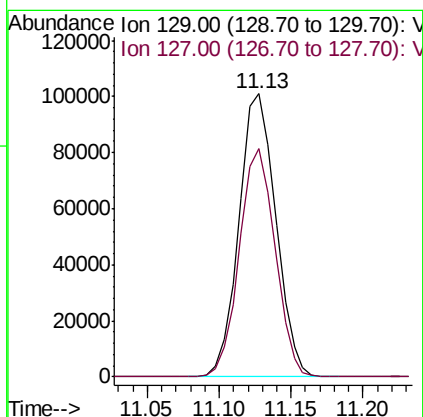
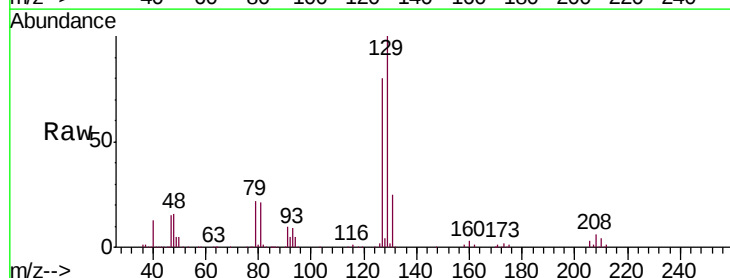
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

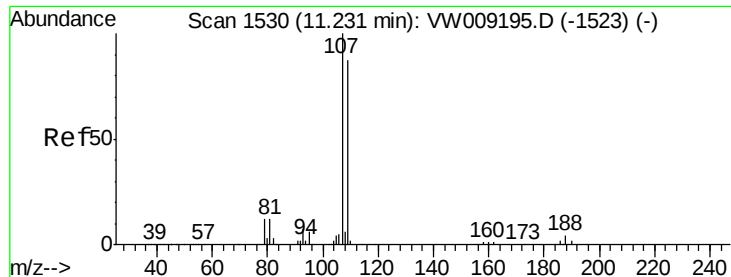
Tgt Ion:	43	Resp:	219381
Ion	Ratio	Lower	Upper
43	100		
58	49.5	39.2	58.8
57	17.7	14.2	21.2
100	11.2	8.9	13.3



#50
Dibromochloromethane
Concen: 26.410 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009203.D
Acq: 16 Mar 2019 11:38

Tgt Ion:	129	Resp:	179657
Ion	Ratio	Lower	Upper
129	100		
127	80.5	56.8	105.6

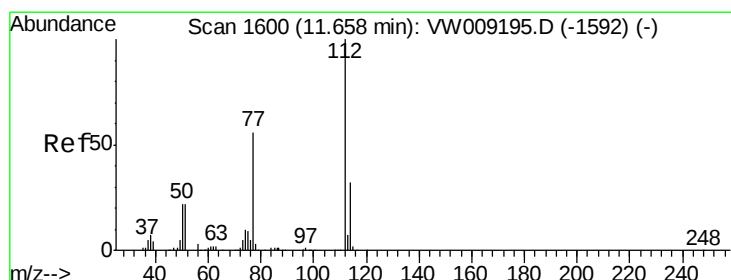
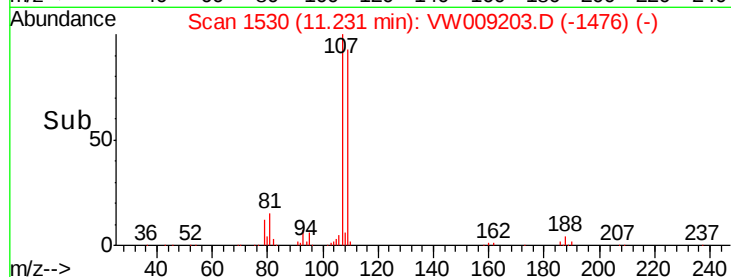
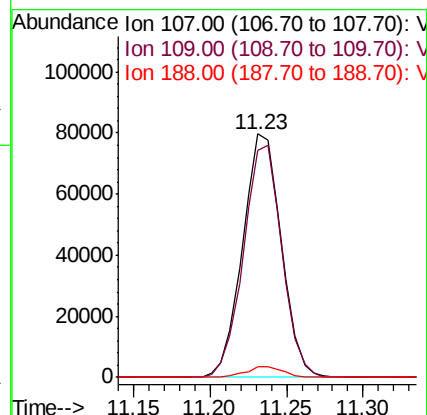
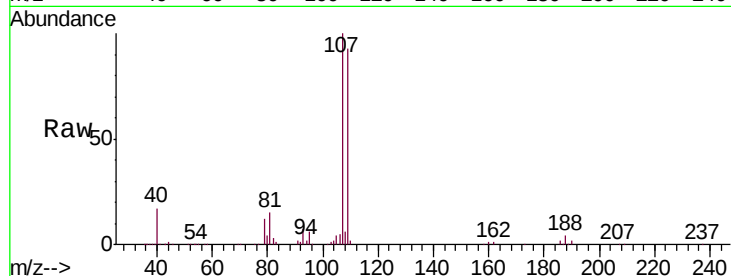




#51
1,2-Dibromoethane
Concen: 25.051 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW009203.D
Acq: 16 Mar 2019 11:38

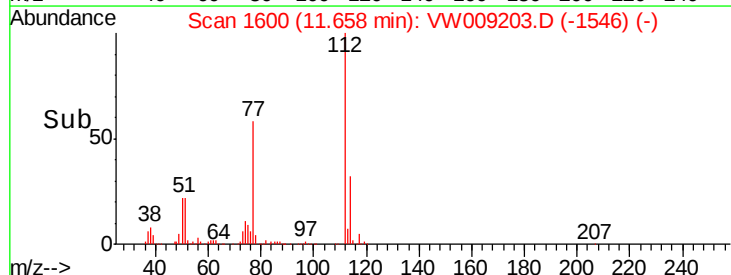
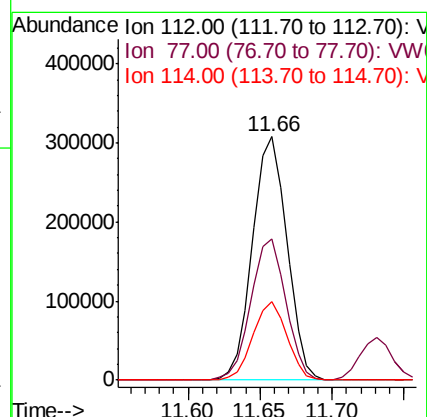
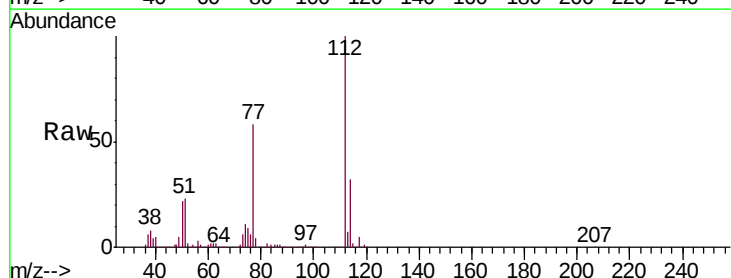
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

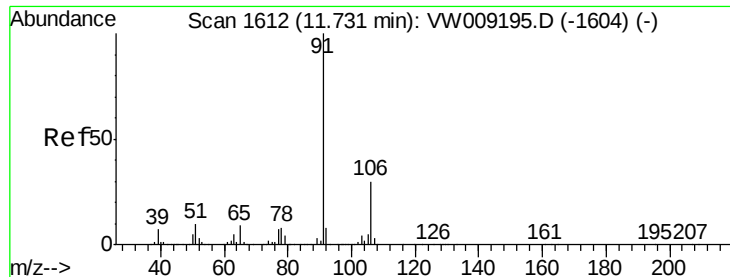
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.2	68.0	126.4
188	4.3	3.5	5.3



#52
Chlorobenzene
Concen: 27.007 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009203.D
Acq: 16 Mar 2019 11:38

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.9	45.7	68.5
114	32.4	22.8	42.4





#53

Ethylbenzene

Concen: 27.650 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

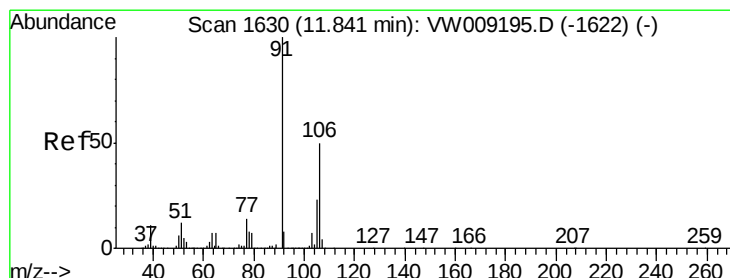
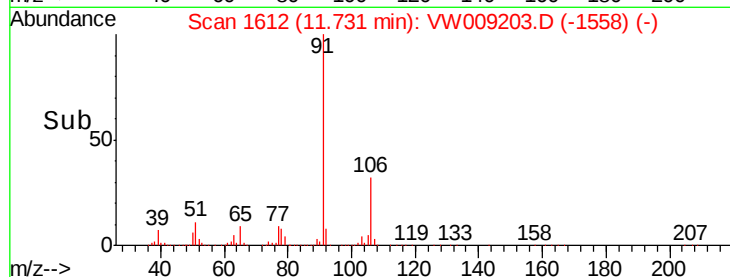
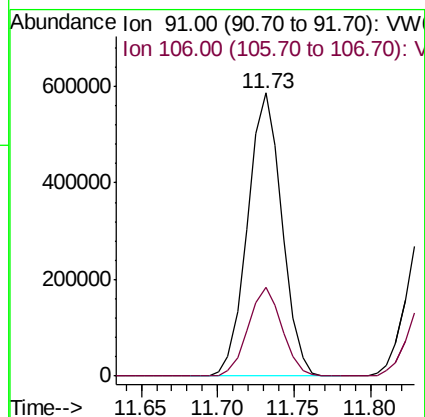
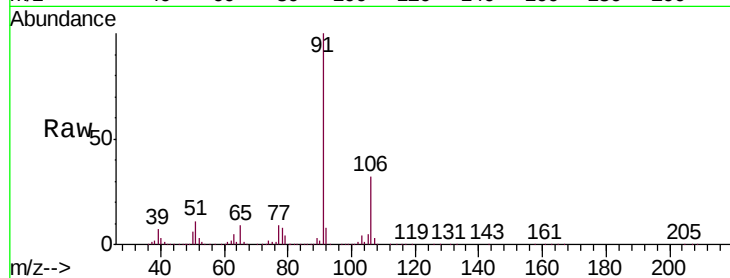
VSTD02511

Tgt Ion: 91 Resp: 914898

Ion Ratio Lower Upper

91 100

106 31.6 21.0 39.0



#54

m,p-Xylene

Concen: 27.592 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009203.D

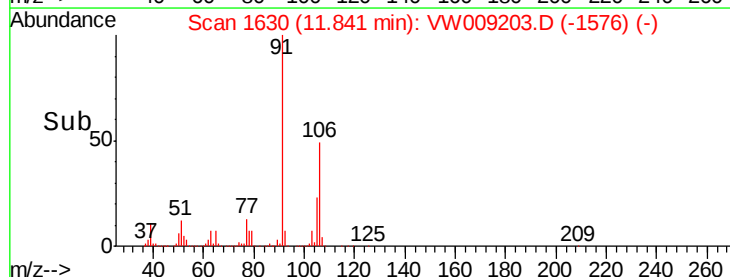
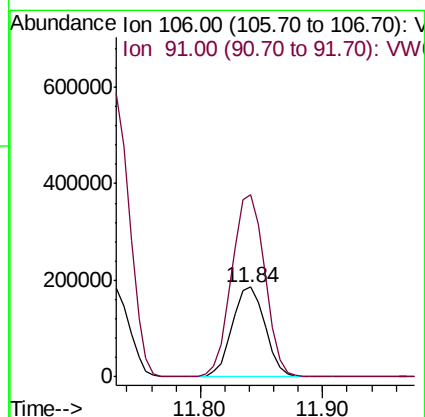
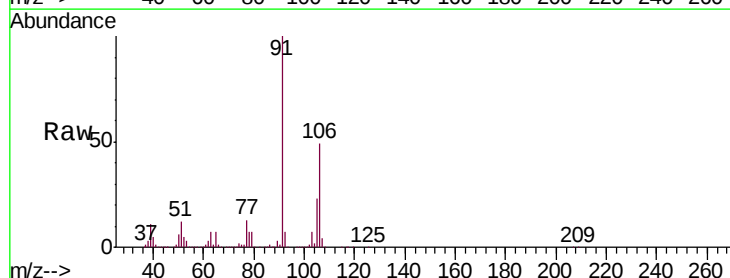
Acq: 16 Mar 2019 11:38

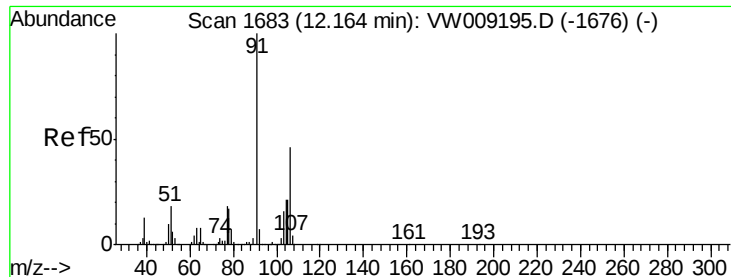
Tgt Ion: 106 Resp: 346852

Ion Ratio Lower Upper

106 100

91 203.0 138.4 257.0





#55

o-xylene

Concen: 27.148 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

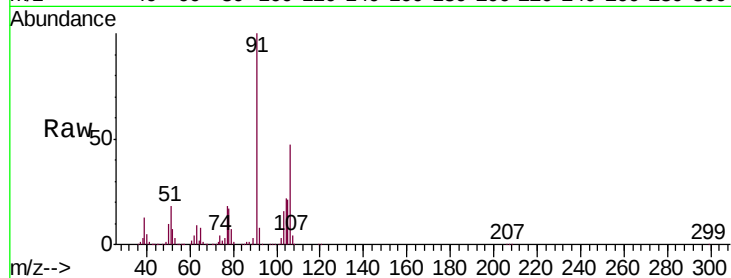
VSTD02511

Tgt Ion:106 Resp: 332933

Ion Ratio Lower Upper

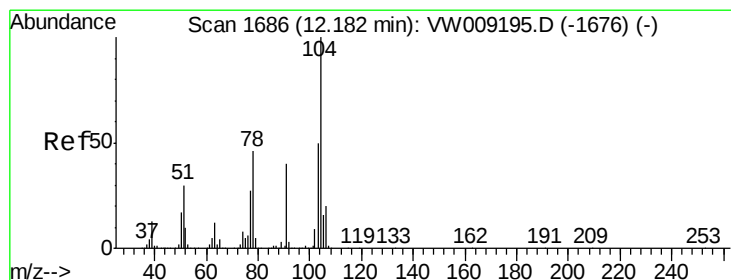
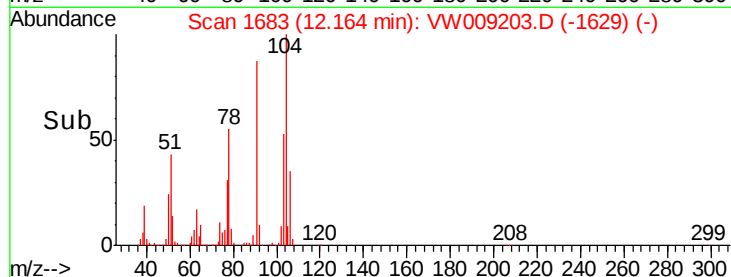
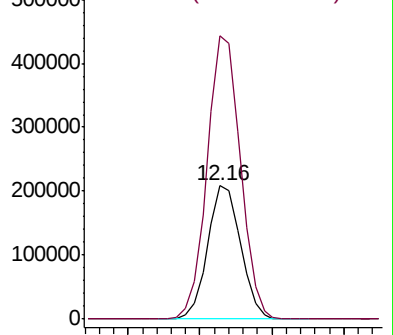
106 100

91 212.3 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.366 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009203.D

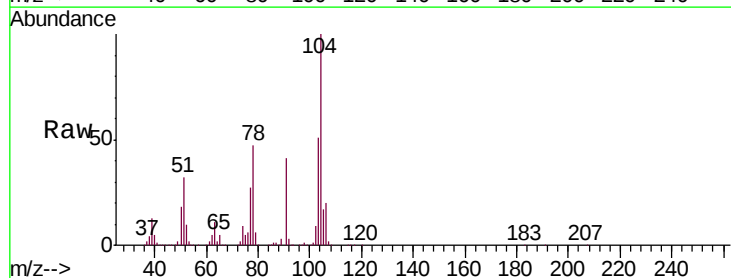
Acq: 16 Mar 2019 11:38

Tgt Ion:104 Resp: 572621

Ion Ratio Lower Upper

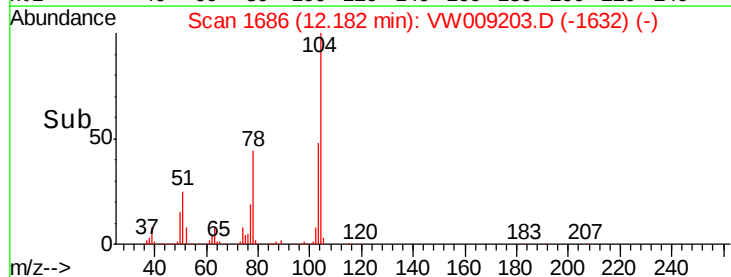
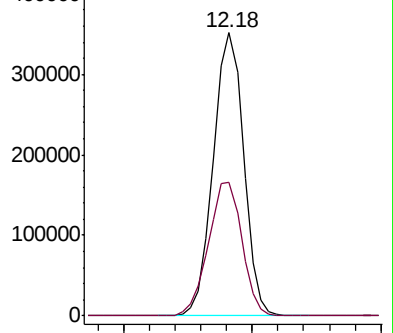
104 100

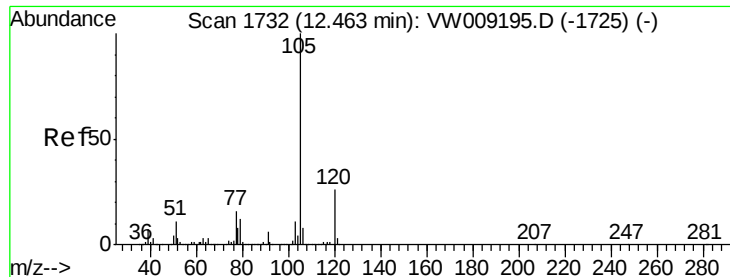
78 47.0 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.035 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

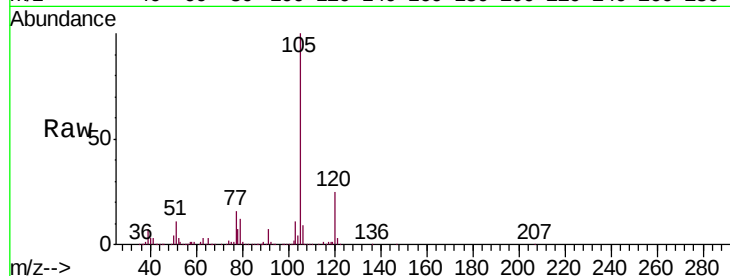
Tgt Ion: 105 Resp: 920996

Ion Ratio Lower Upper

105 100

120 25.8 21.3 31.9

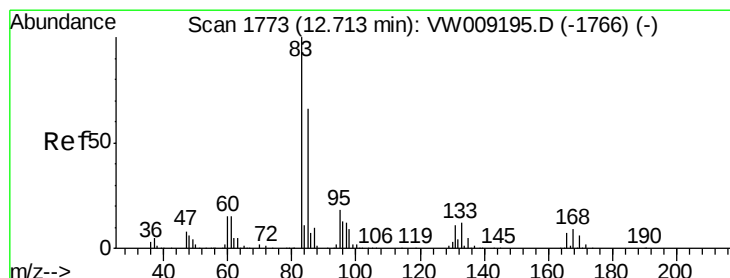
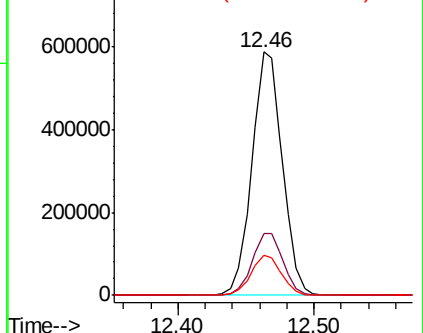
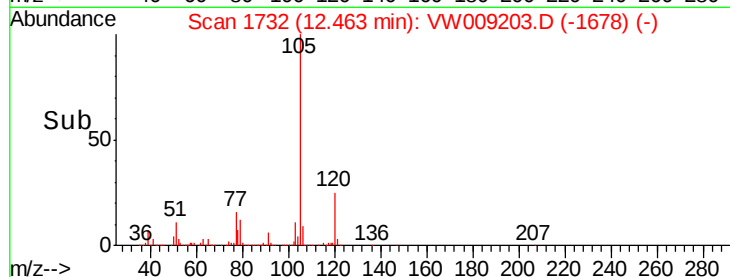
77 16.4 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.957 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

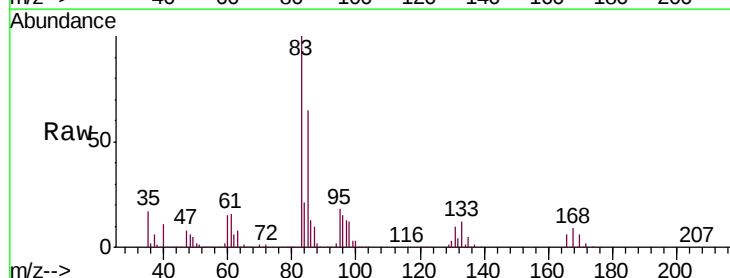
Tgt Ion: 83 Resp: 185534

Ion Ratio Lower Upper

83 100

85 65.3 45.6 84.8

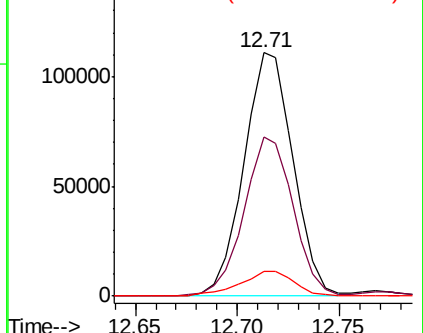
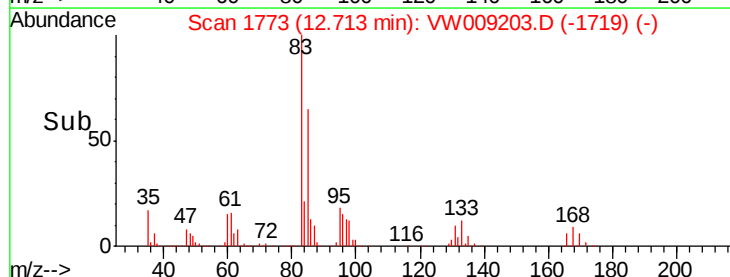
131 10.0 9.2 13.8

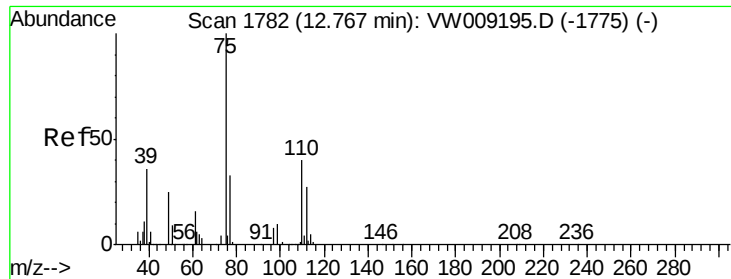


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.584 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

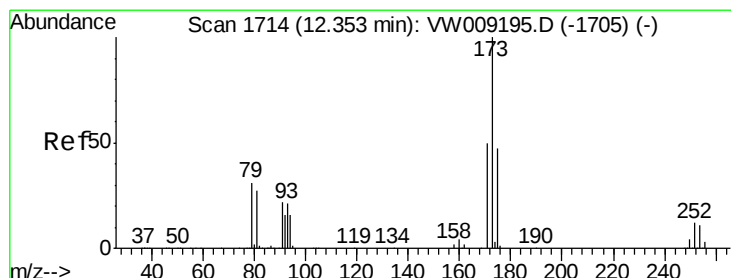
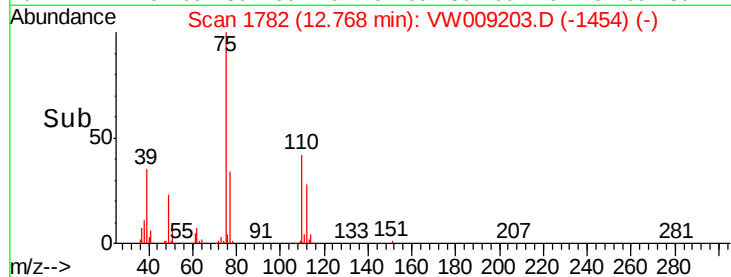
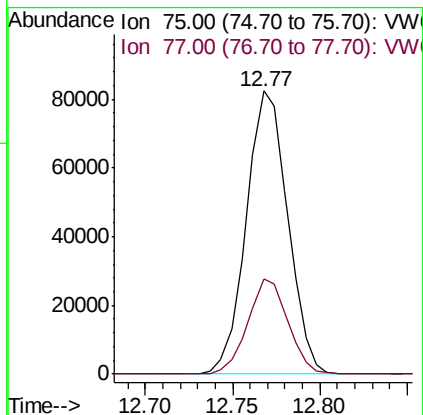
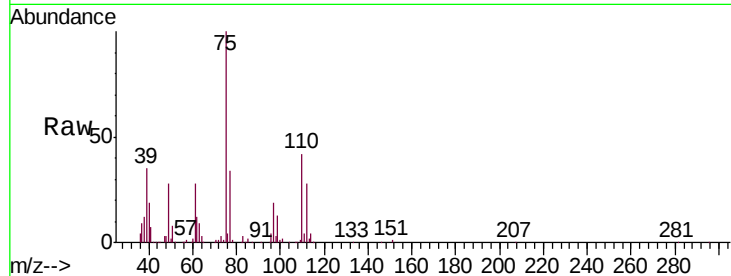
VSTD02511

Tgt Ion: 75 Resp: 135633

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2



#62

Bromoform

Concen: 25.312 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

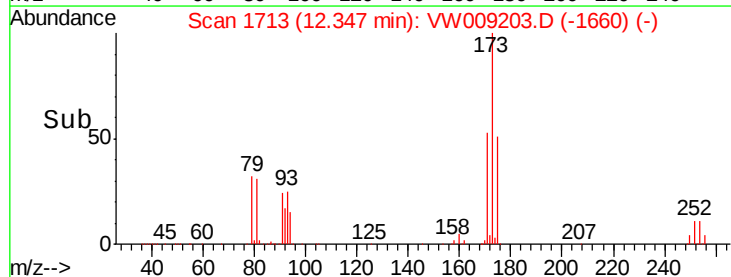
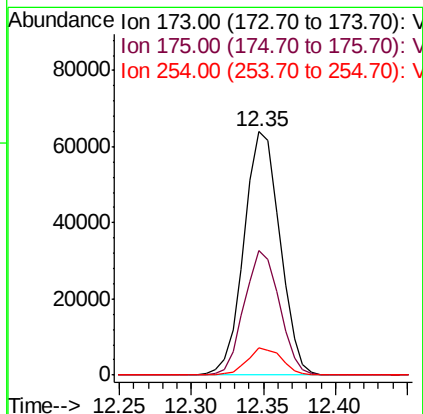
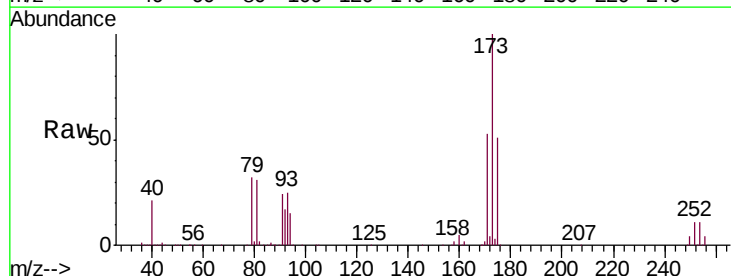
Tgt Ion: 173 Resp: 110294

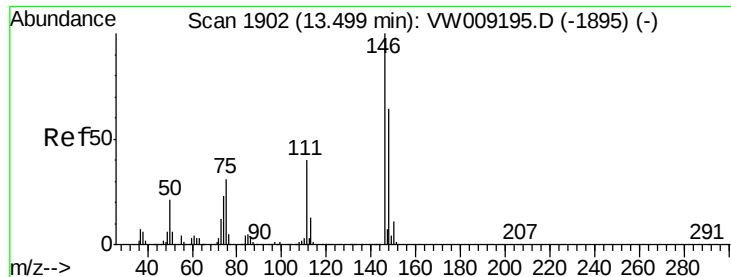
Ion Ratio Lower Upper

173 100

175 50.3 39.7 59.5

254 11.0 8.5 12.7





#63

1,3-Dichlorobenzene

Concen: 26.173 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampled :

VSTD02511

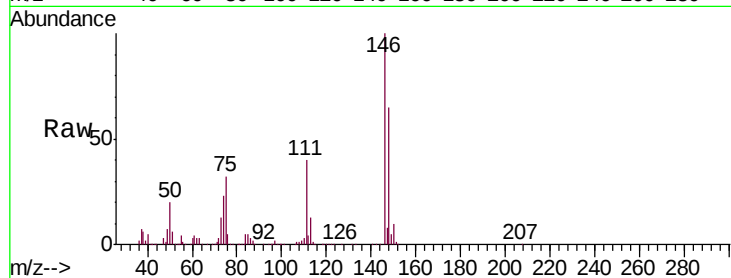
Tgt Ion:146 Resp: 402275

Ion Ratio Lower Upper

146 100

111 39.8 26.9 49.9

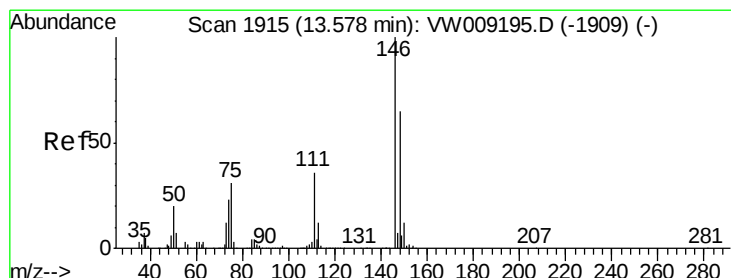
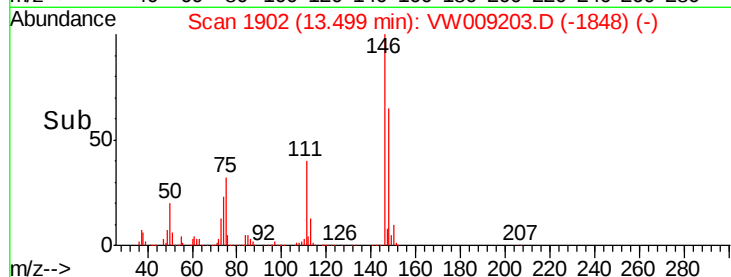
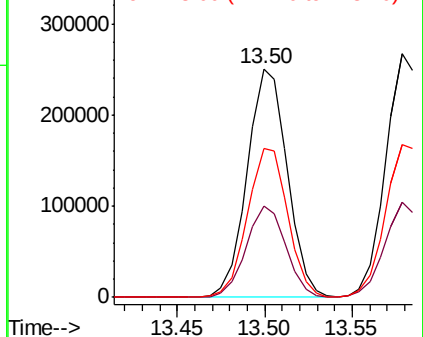
148 65.3 45.1 83.7



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: 26.517 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

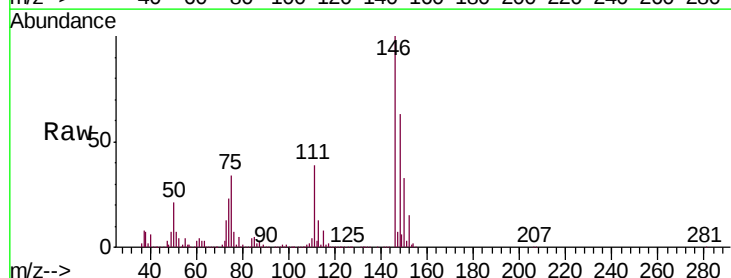
Tgt Ion:146 Resp: 421367

Ion Ratio Lower Upper

146 100

111 39.0 27.8 51.6

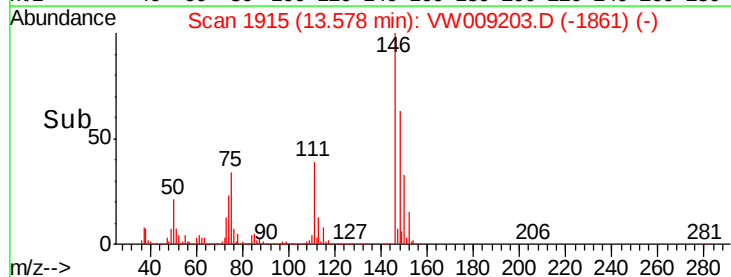
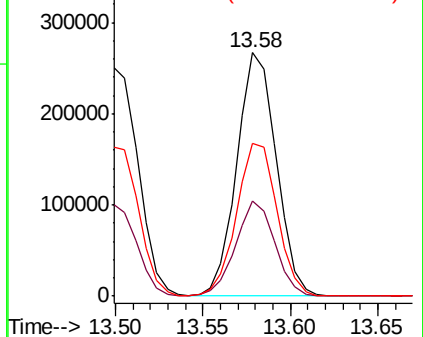
148 62.8 46.3 86.1

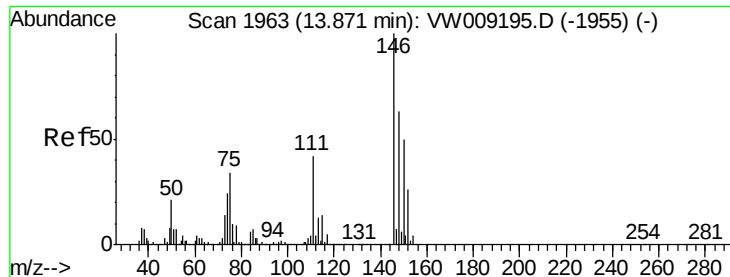


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

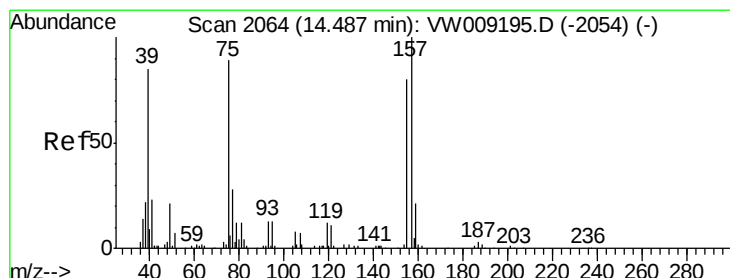
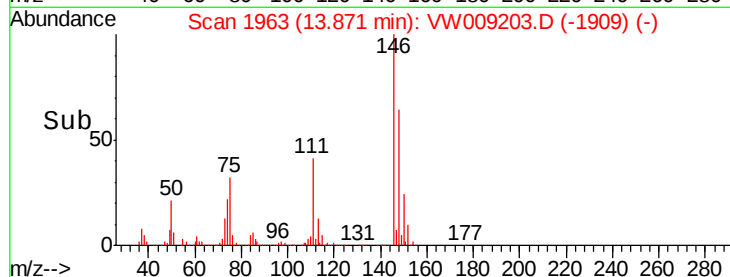
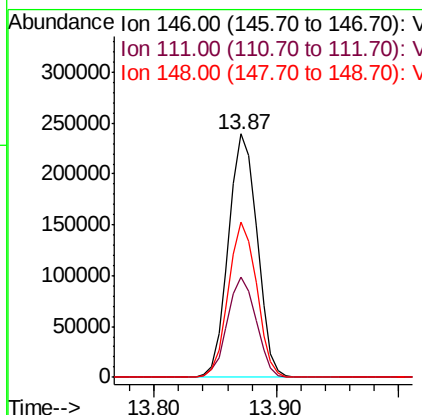
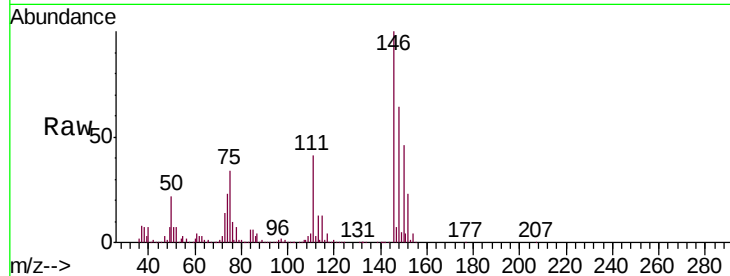




#65
 1,2-Dichlorobenzene
 Concen: 26.461 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009203.D
 Acq: 16 Mar 2019 11:38

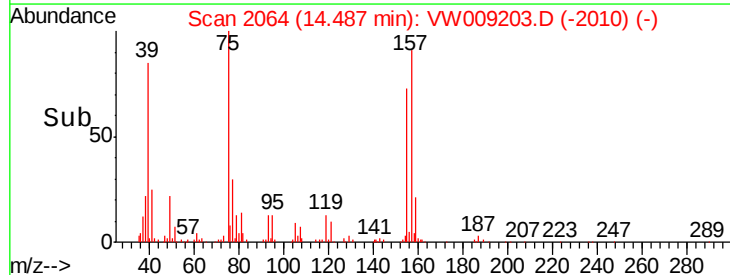
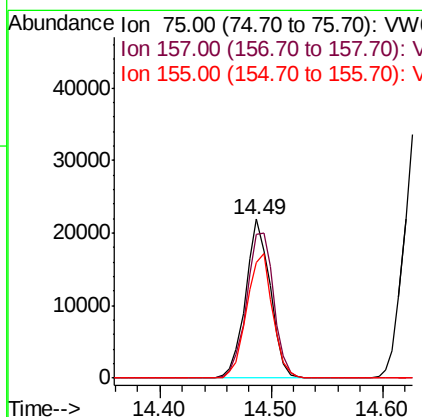
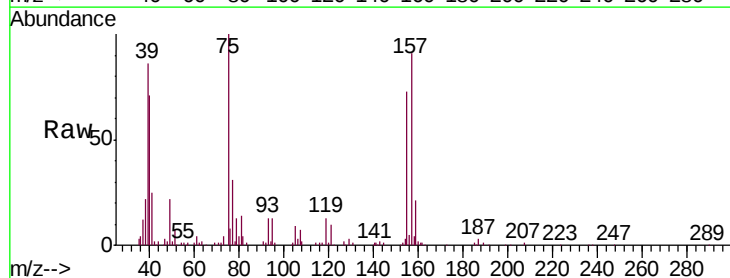
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

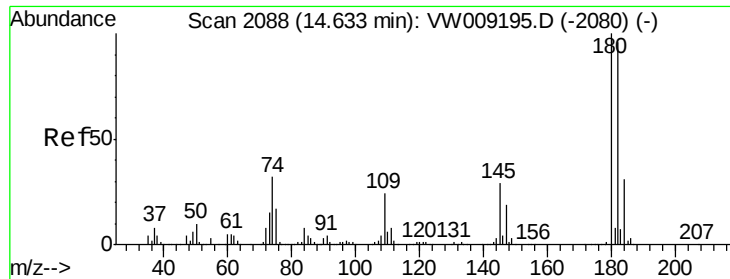
Tgt Ion: 146 Resp: 387852
 Ion Ratio Lower Upper
 146 100
 111 41.1 33.5 50.3
 148 63.8 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.470 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009203.D
 Acq: 16 Mar 2019 11:38

Tgt Ion: 75 Resp: 33715
 Ion Ratio Lower Upper
 75 100
 157 90.6 89.0 133.4
 155 72.8 64.2 96.2





#67

1,3,5-Trichlorobenzene

Concen: 26.857 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

Tgt Ion:180 Resp: 321964

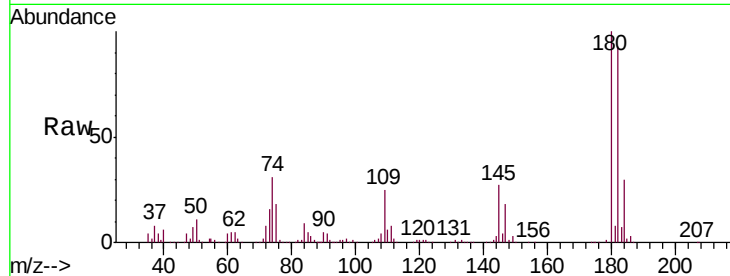
Ion Ratio Lower Upper

180 100

182 93.9 76.1 114.1

184 30.1 23.8 35.6

145 28.6 23.4 35.2

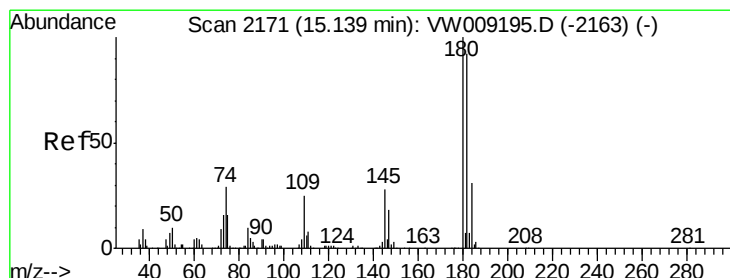
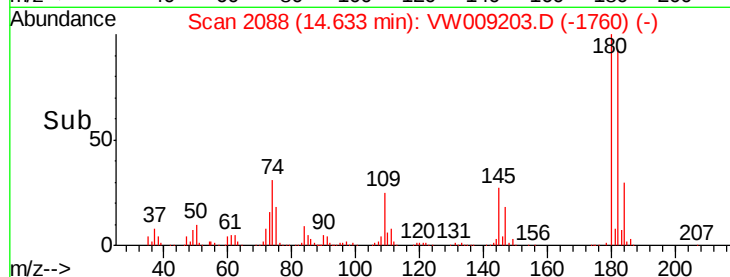
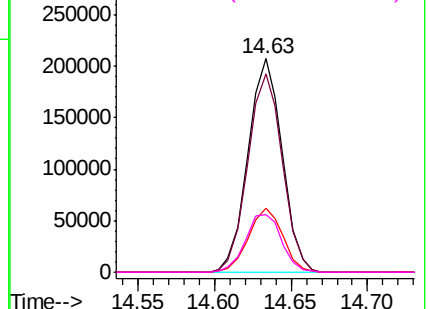


Abundance Ion 180.00 (179.70 to 180.70): V

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: 26.525 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

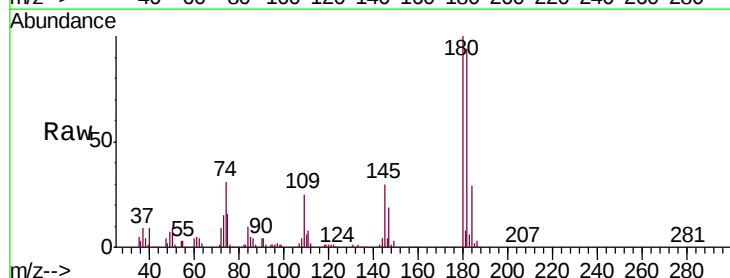
Tgt Ion:180 Resp: 267103

Ion Ratio Lower Upper

180 100

182 95.7 75.5 113.3

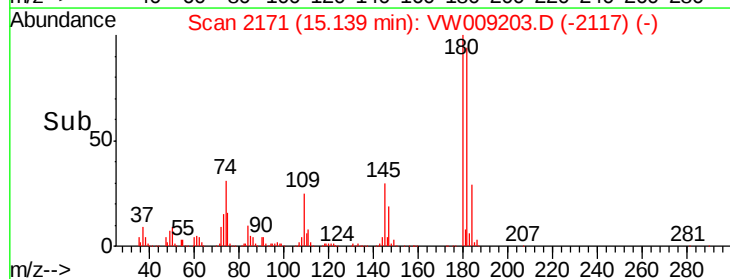
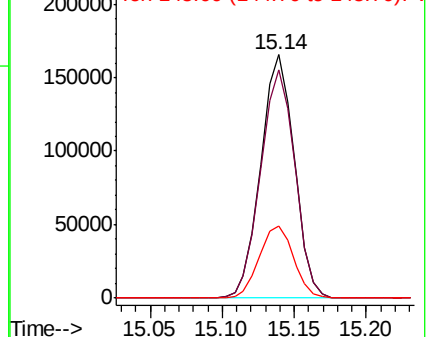
145 30.3 24.1 36.1

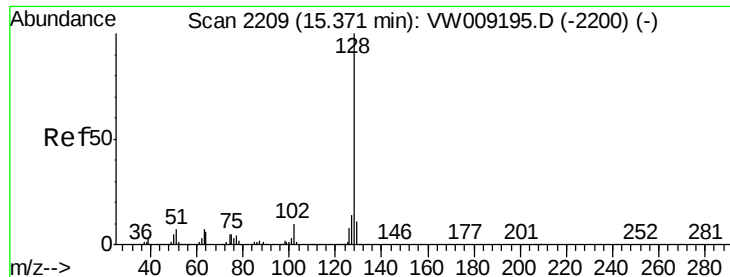


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.689 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

Instrument :

MSVOA_W

ClientSampled :

VSTD02511

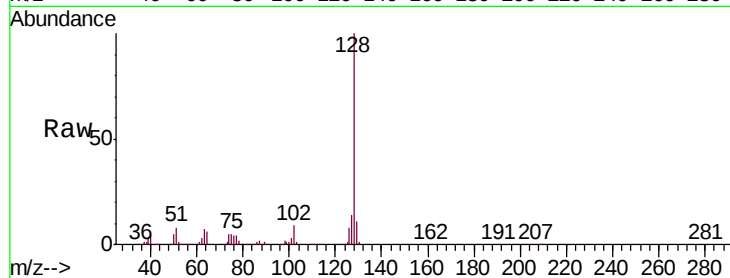
Tgt Ion:128 Resp: 536304

Ion Ratio Lower Upper

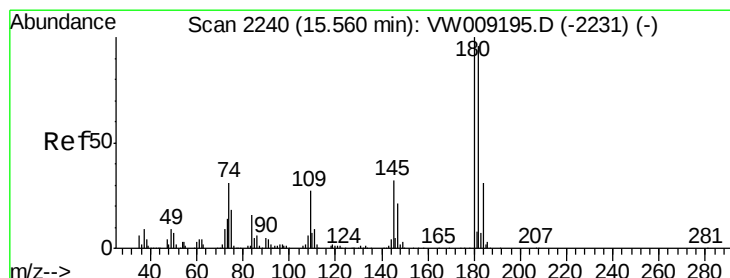
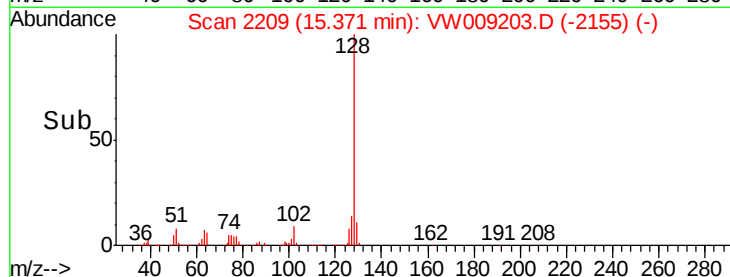
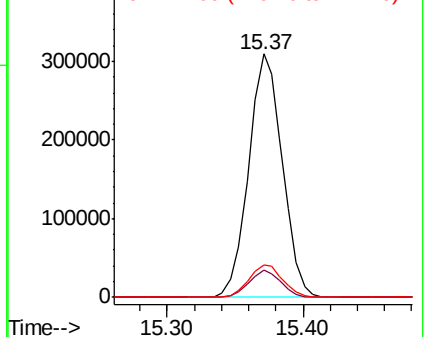
128 100

129 10.7 8.7 13.1

127 13.5 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: 26.231 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW009203.D

Acq: 16 Mar 2019 11:38

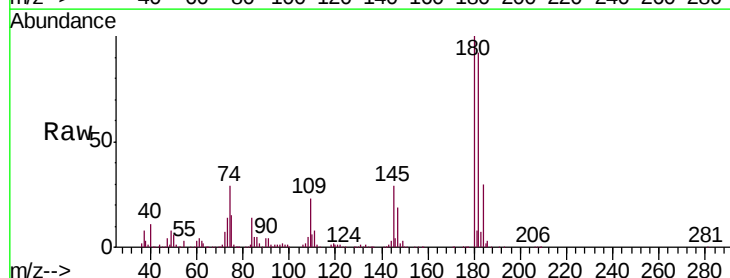
Tgt Ion:180 Resp: 247396

Ion Ratio Lower Upper

180 100

182 95.7 77.2 115.8

145 31.3 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

