

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110419\
 Data File : VW013913.D
 Acq On : 04 Nov 2019 12:39
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.01G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Quant Time: Nov 05 03:52:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 05 03:49:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	300726	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	285394	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	171223	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	99058	21.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.68%
7) Chloroethane-d5	2.89	69	84466	22.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.36%
10) 1,1-Dichloroethene-d2	4.03	63	215263	22.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.32%
20) 2-Butanone-d5	7.07	46	74415	44.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.38%
24) Chloroform-d	7.65	84	216255	22.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.28%
26) 1,2-Dichloroethane-d4	8.31	65	116110	22.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.08%
29) Benzene-d6	8.27	84	450643	23.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.28%
33) 1,2-Dichloropropane-d6	9.27	67	135955	23.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.96%
37) Toluene-d8	10.32	98	425474	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.84%
38) trans-1,3-Dichloropropene-	10.57	79	61702	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.40%
39) 2-Hexanone-d5	10.92	63	60728	46.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116050	22.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	152292	22.48	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	74842	23.154	ug/L 94
3) Chloromethane	2.21	50	80353	21.676	ug/L 98
5) Vinyl chloride	2.36	62	133742	25.260	ug/L 98
6) Bromomethane	2.78	94	83164	24.971	ug/L 98
8) Chloroethane	2.92	64	76875	25.576	ug/L 97
9) Trichlorofluoromethane	3.26	101	72284	26.800	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	131853	25.473	ug/L 99
12) 1,1-Dichloroethene	4.04	96	131481	25.334	ug/L 91
13) Acetone	4.12	43	69270	42.240	ug/L 99
14) Carbon disulfide	4.39	76	390932	26.355	ug/L 99
15) Methyl Acetate	4.67	43	69125	24.343	ug/L 97
16) Methylene chloride	4.92	84	137419	24.439	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	176687	26.911	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	138687	25.641	ug/L 98
19) 1,1-Dichloroethane	6.21	63	239843	26.117	ug/L 99
21) 2-Butanone	7.17	43	100421	44.612	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	148787	26.158	ug/L 95

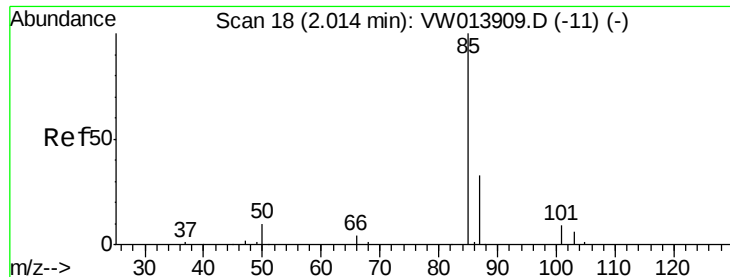
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110419\
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 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	67888	25.383	ug/L	93
25) Chloroform	7.67	83	238423	25.823	ug/L	98
27) 1,2-Dichloroethane	8.40	62	155871	25.525	ug/L	97
30) Cyclohexane	7.96	56	234727	27.255	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	189495	27.115	ug/L	99
32) Carbon tetrachloride	8.07	117	184410	26.984	ug/L	99
34) Benzene	8.32	78	557685	26.916	ug/L	100
35) Trichloroethene	9.09	95	146027	26.736	ug/L	100
36) Methylcyclohexane	9.34	83	259200	27.037	ug/L	99
40) 1,2-Dichloropropane	9.37	63	136757	26.892	ug/L	99
41) Bromodichloromethane	9.64	83	172081	26.917	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	215207	26.852	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	194595	49.755	ug/L	99
44) Toluene	10.39	91	605199	27.182	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	176283	26.619	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	104457	25.723	ug/L	97
47) Tetrachloroethene	10.86	164	131158	26.083	ug/L	96
49) 2-Hexanone	10.97	43	139845	48.672	ug/L	98
50) Dibromochloromethane	11.13	129	126525	26.840	ug/L	96
51) 1,2-Dibromoethane	11.23	107	102941	25.643	ug/L	99
52) Chlorobenzene	11.66	112	379323	26.418	ug/L	97
53) Ethylbenzene	11.73	91	658620	26.574	ug/L	96
54) m,p-Xylene	11.83	106	258980	27.115	ug/L	96
55) o-xylene	12.16	106	242528	26.864	ug/L	98
56) Styrene	12.18	104	421475	27.053	ug/L	99
57) Isopropylbenzene	12.46	105	658197	27.037	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	130774	25.571	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	97453	25.380	ug/L	99
62) Bromoform	12.35	173	79873	25.657	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	310891	26.219	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	304985	25.659	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	276948	25.831	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	21187	24.668	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	234981	26.312	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	186542	25.800	ug/L	96
69) Naphthalene	15.36	128	355985	25.952	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	167178	25.092	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 23.154 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013913.D

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Instrument :

MSVOA_W

ClientSampleId :

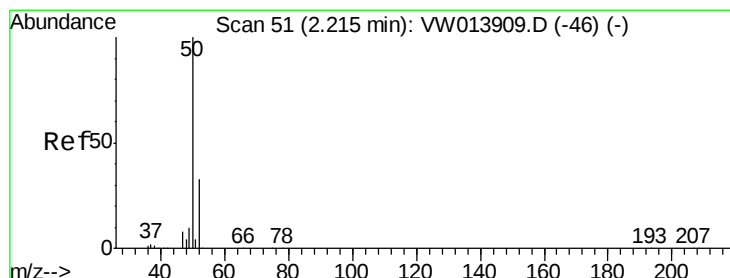
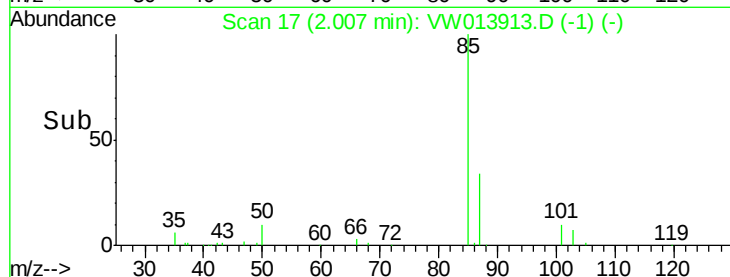
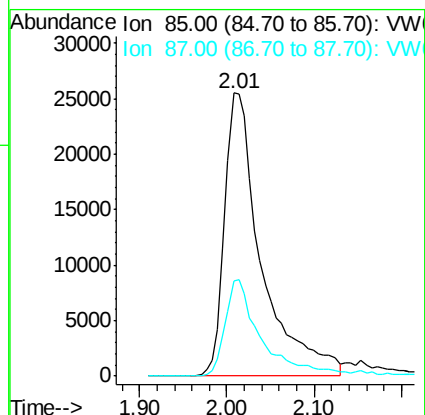
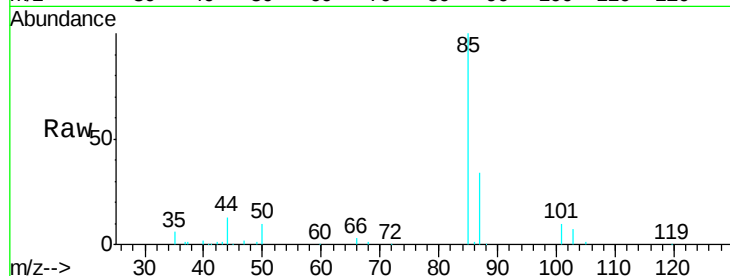
VSTD02517

Tgt Ion: 85 Resp: 74842

Ion Ratio Lower Upper

85 100

87 27.6 21.6 40.2



#3

Chloromethane

Concen: 21.676 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW013913.D

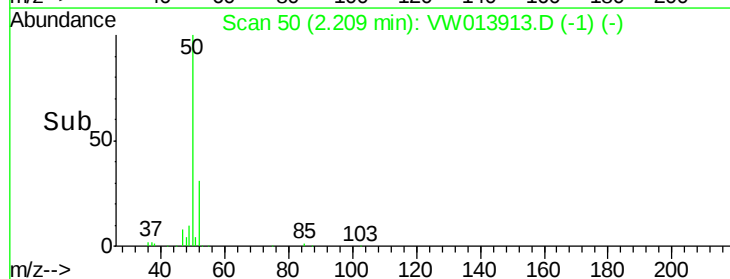
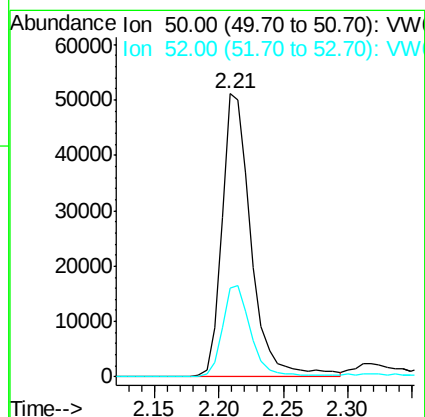
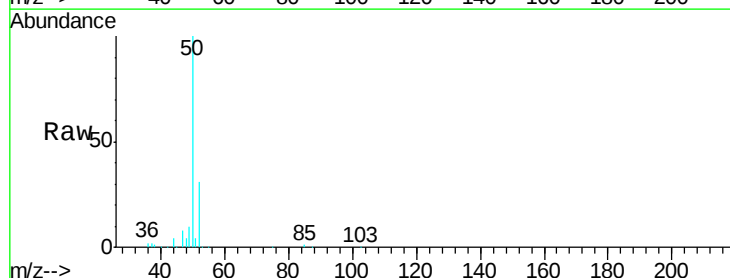
Acq: 04 Nov 2019 12:39

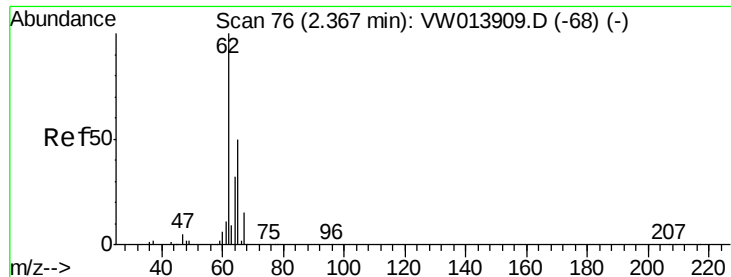
Tgt Ion: 50 Resp: 80353

Ion Ratio Lower Upper

50 100

52 31.5 23.0 42.6





#5

Vinyl chloride

Concen: 25.260 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

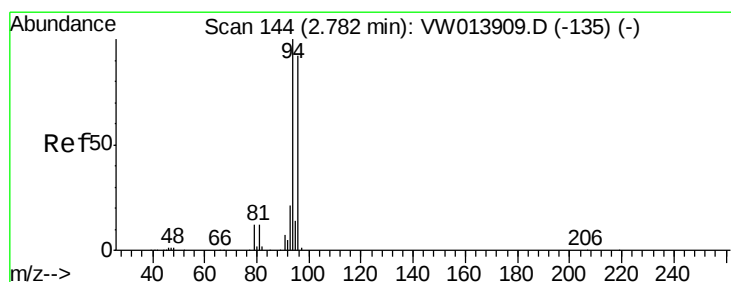
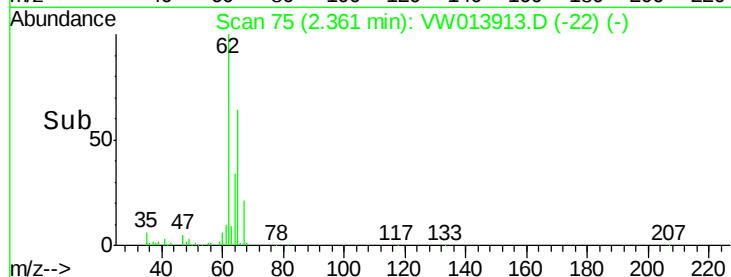
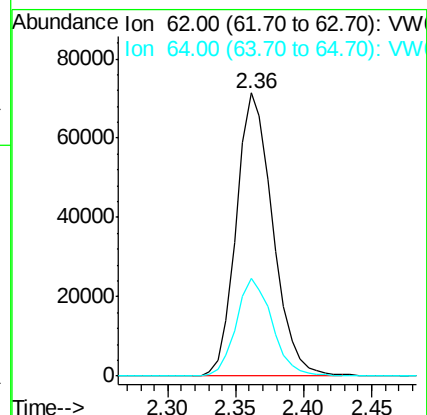
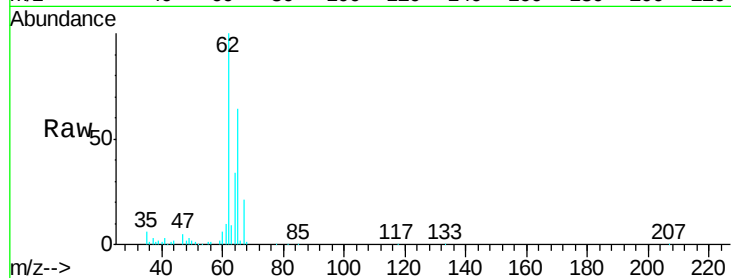
VSTD02517

Tgt Ion: 62 Resp: 133742

Ion Ratio Lower Upper

62 100

64 34.4 23.3 43.3



#6

Bromomethane

Concen: 24.971 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013913.D

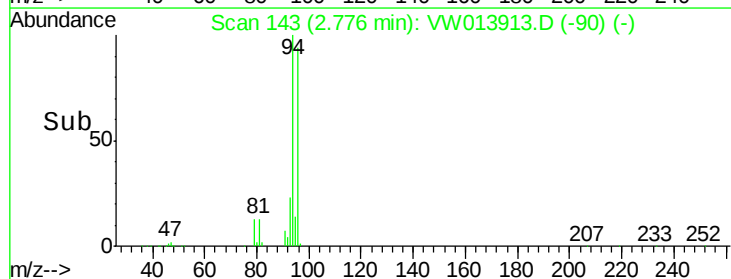
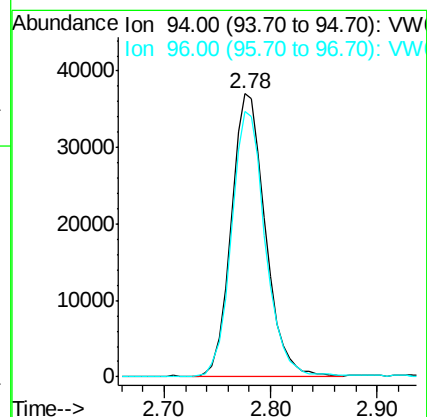
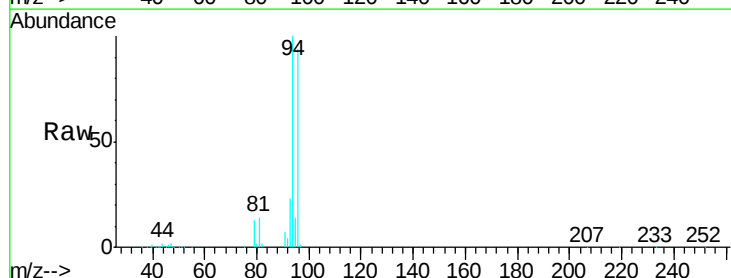
Acq: 04 Nov 2019 12:39

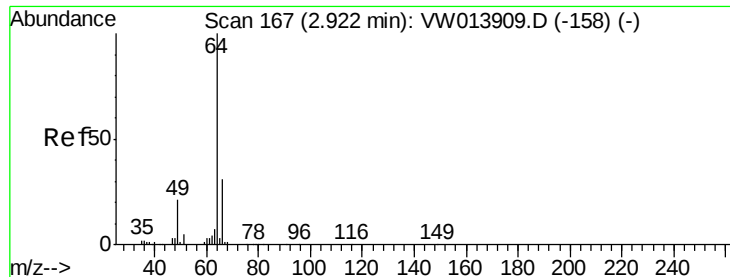
Tgt Ion: 94 Resp: 83164

Ion Ratio Lower Upper

94 100

96 93.0 9.5 179.7





#8

Chloroethane

Concen: 25.576 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

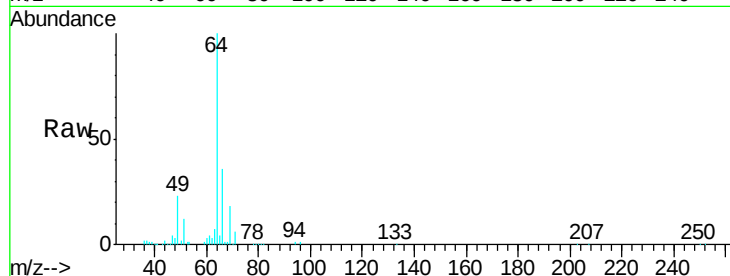
VSTD02517

Tgt Ion: 64 Resp: 76875

Ion Ratio Lower Upper

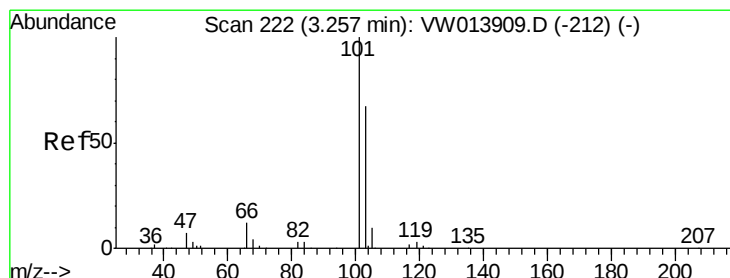
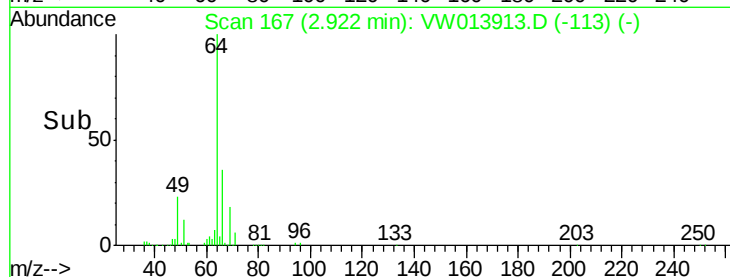
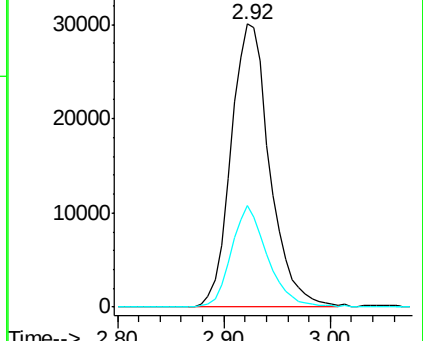
64 100

66 35.9 24.1 44.7



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 26.800 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013913.D

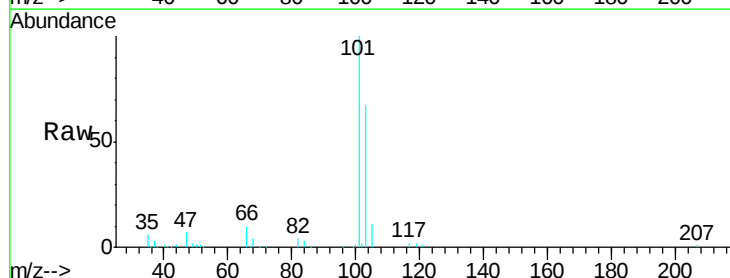
Acq: 04 Nov 2019 12:39

Tgt Ion: 101 Resp: 72284

Ion Ratio Lower Upper

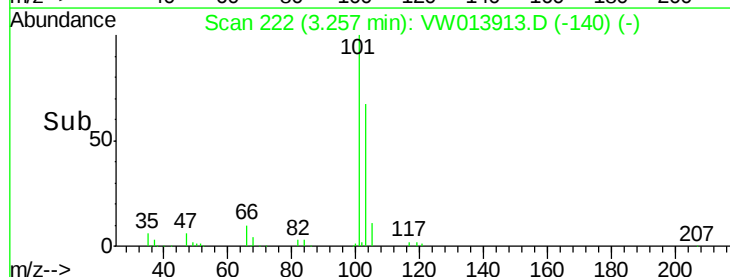
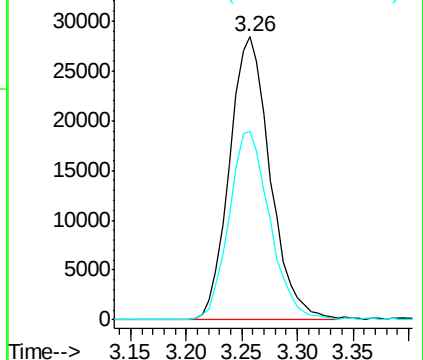
101 100

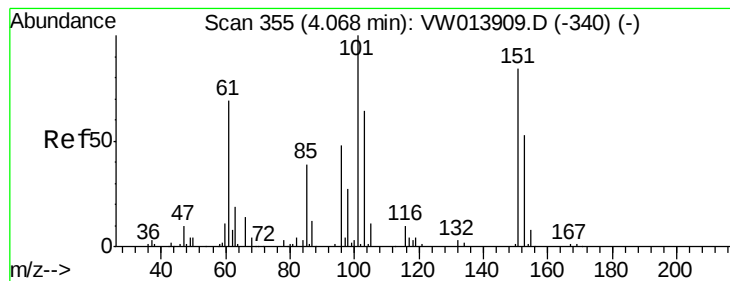
103 66.5 44.9 83.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 25.473 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

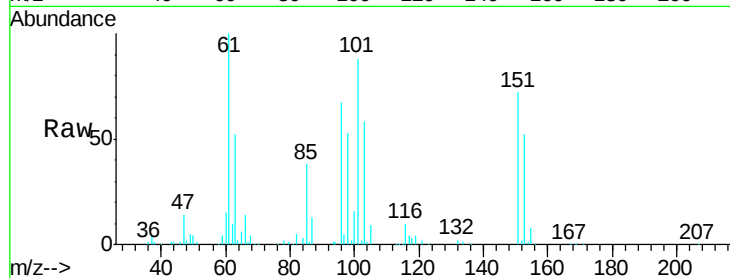
Tgt Ion: 101 Resp: 131853

Ion Ratio Lower Upper

101 100

85 39.6 30.9 46.3

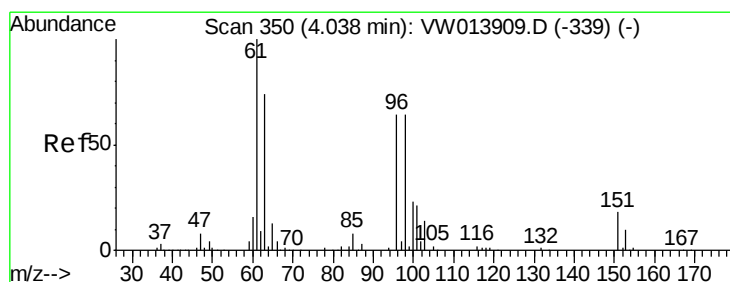
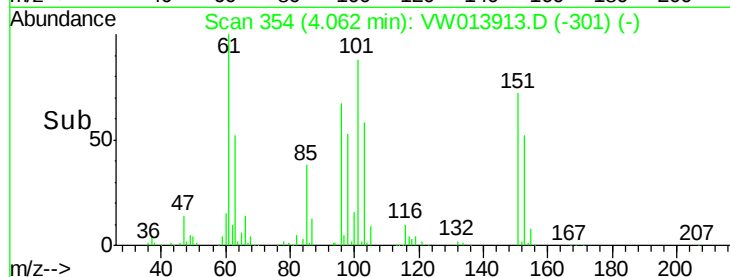
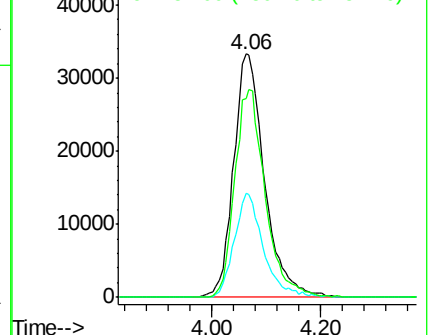
151 84.1 66.3 99.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.334 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

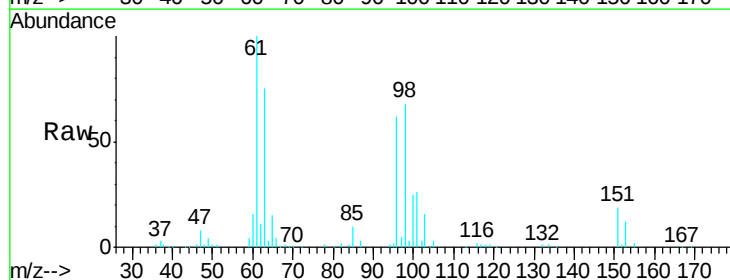
Tgt Ion: 96 Resp: 131481

Ion Ratio Lower Upper

96 100

61 160.1 115.1 213.8

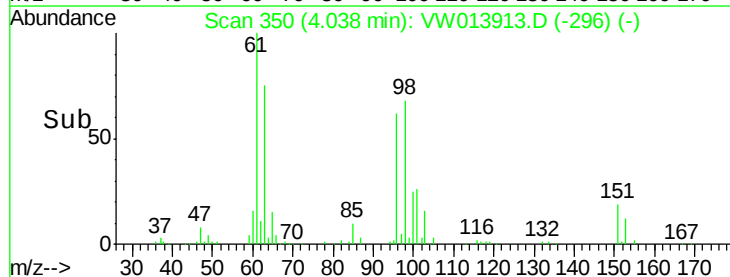
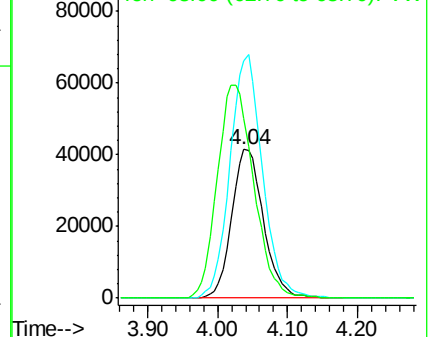
63 120.8 97.4 180.8

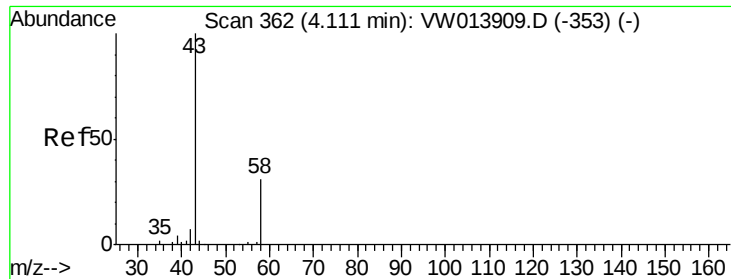


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.240 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampled :

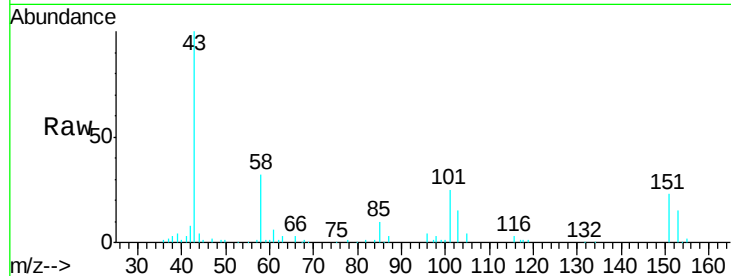
VSTD02517

Tgt Ion: 43 Resp: 69270

Ion Ratio Lower Upper

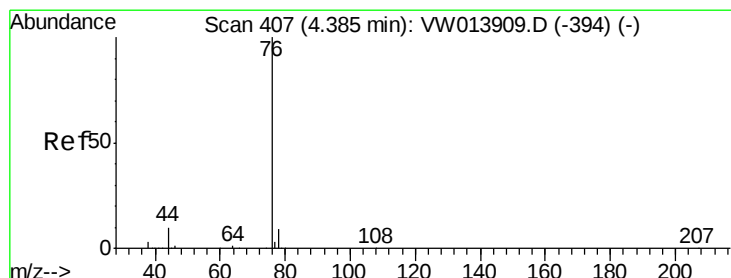
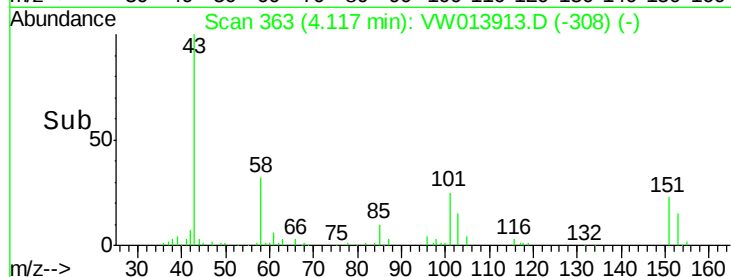
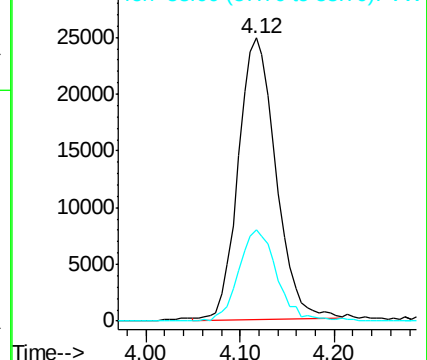
43 100

58 32.1 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 26.355 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013913.D

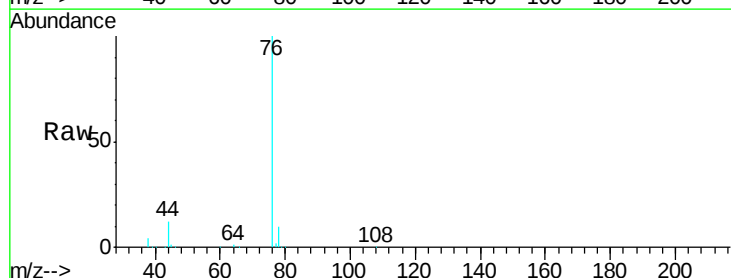
Acq: 04 Nov 2019 12:39

Tgt Ion: 76 Resp: 390932

Ion Ratio Lower Upper

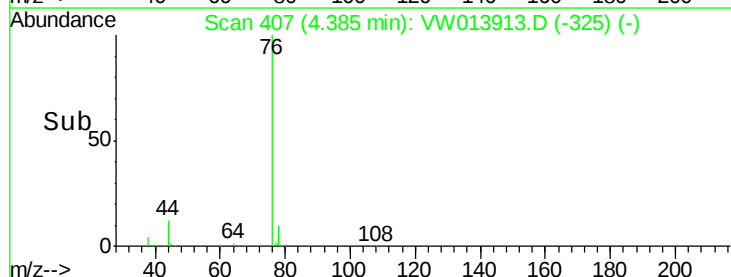
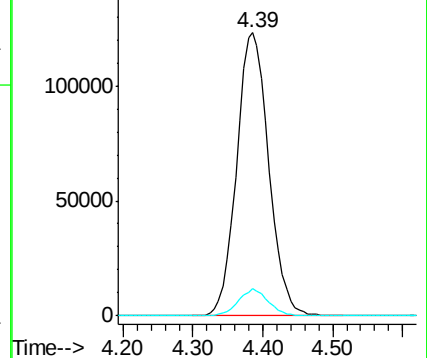
76 100

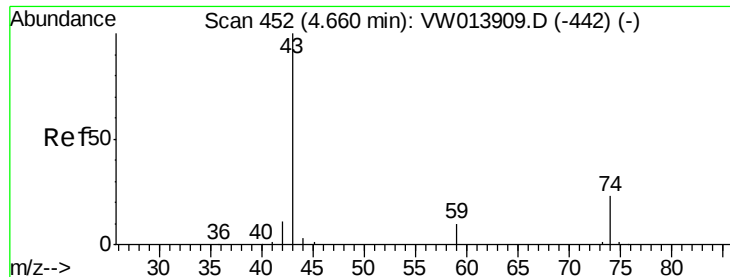
78 9.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

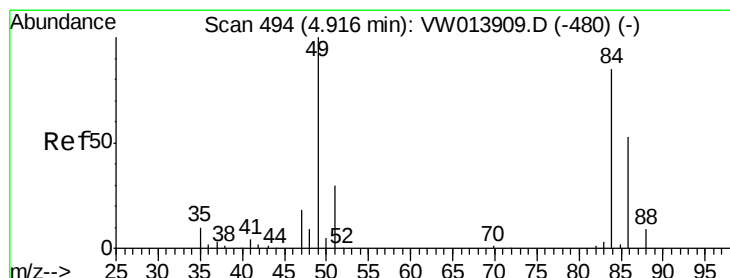
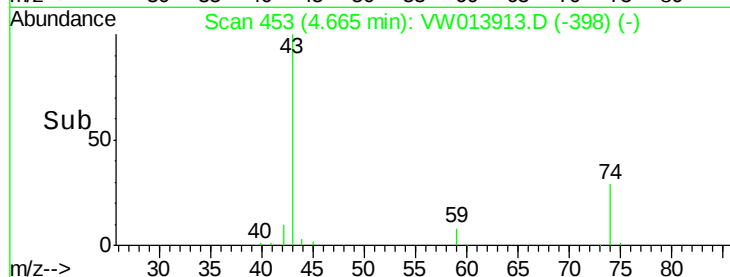
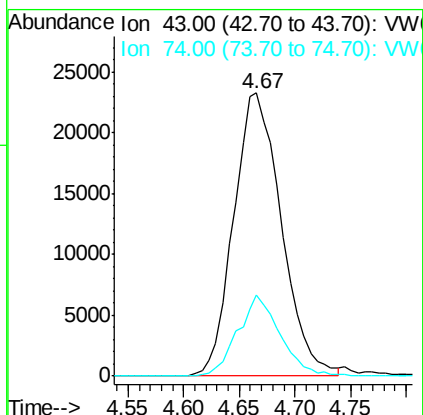
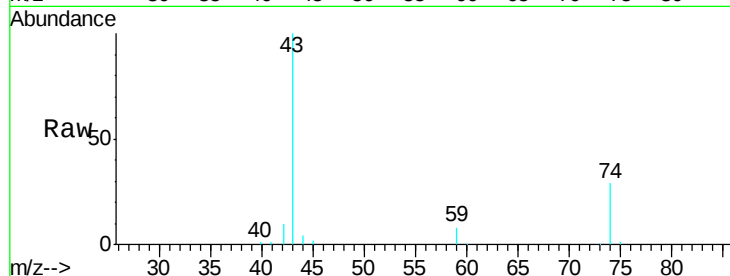




#15
Methyl Acetate
Concen: 24.343 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013913.D
Acq: 04 Nov 2019 12:39

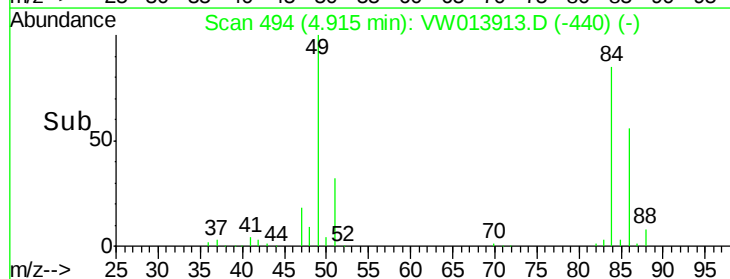
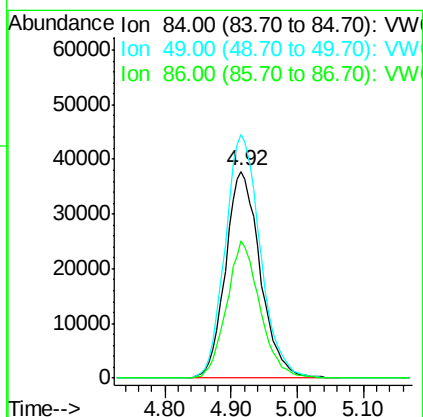
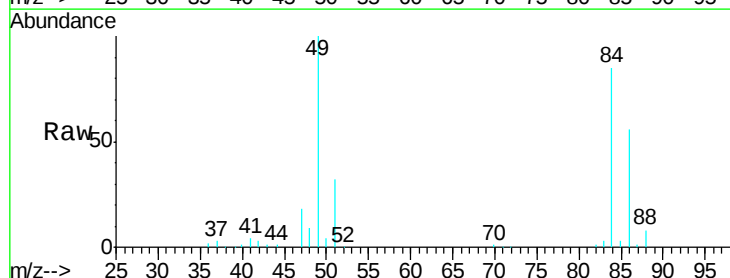
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

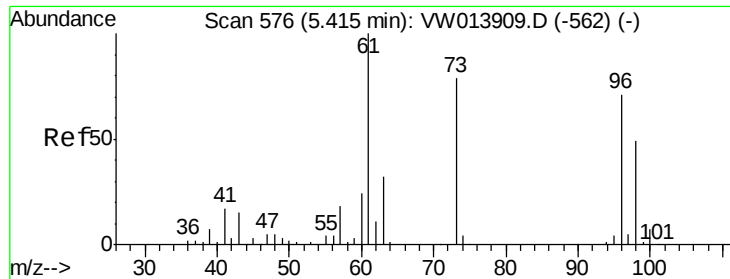
Tgt Ion: 43 Resp: 69125
Ion Ratio Lower Upper
43 100
74 25.5 19.1 28.7



#16
Methylene chloride
Concen: 24.439 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW013913.D
Acq: 04 Nov 2019 12:39

Tgt Ion: 84 Resp: 137419
Ion Ratio Lower Upper
84 100
49 117.9 79.7 148.1
86 66.3 46.4 86.2

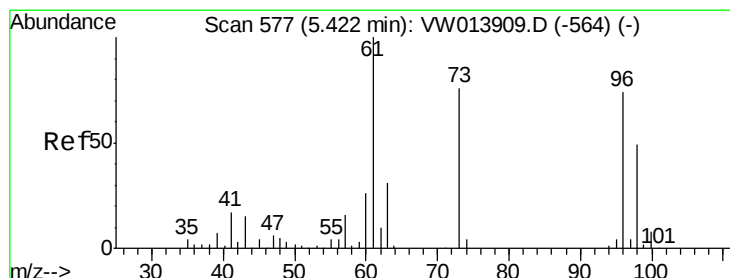
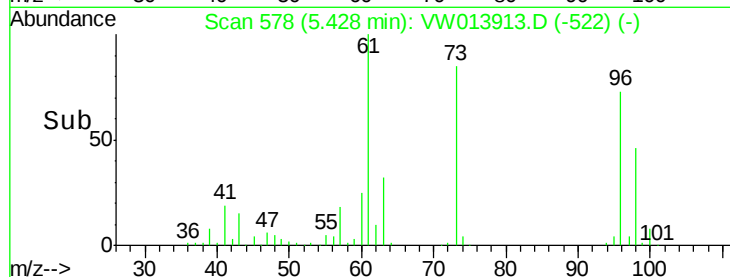
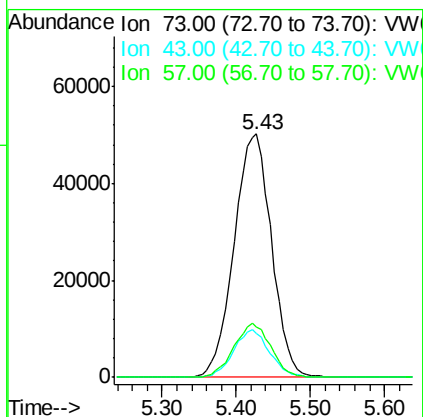
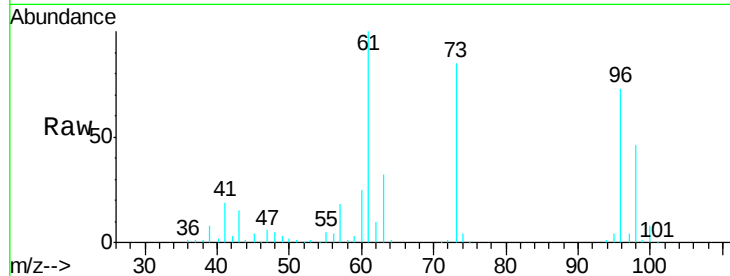




#17
Methyl tert-butyl Ether
Concen: 26.911 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013913.D
Acq: 04 Nov 2019 12:39

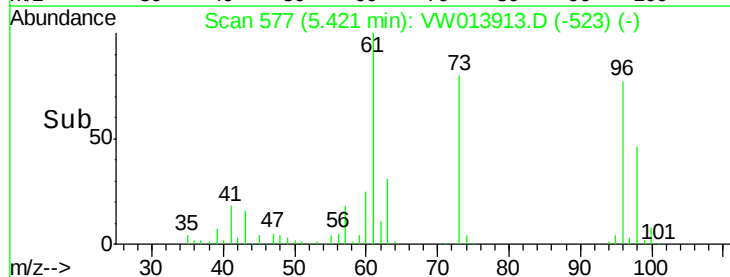
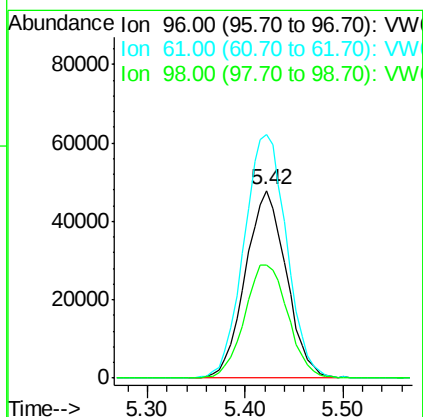
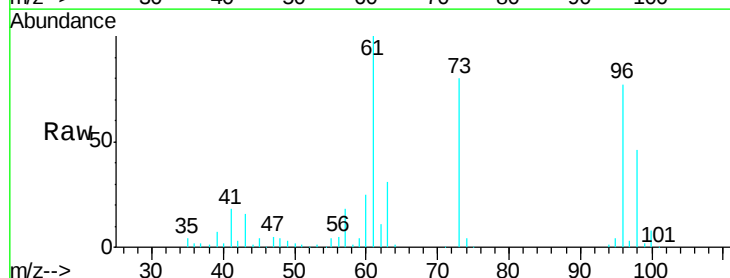
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

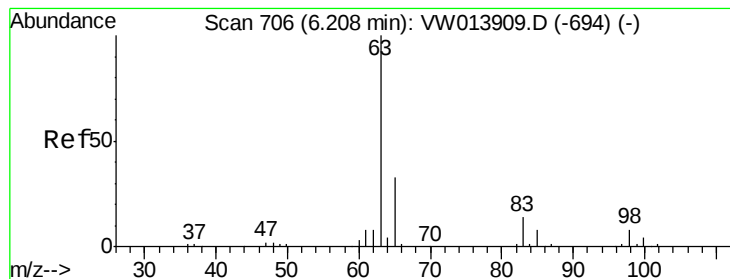
Tgt Ion: 73 Resp: 176687
Ion Ratio Lower Upper
73 100
43 18.8 14.4 21.6
57 21.9 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 25.641 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013913.D
Acq: 04 Nov 2019 12:39

Tgt Ion: 96 Resp: 138687
Ion Ratio Lower Upper
96 100
61 130.0 92.6 172.0
98 60.1 43.8 81.3





#19

1,1-Dichloroethane

Concen: 26.117 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

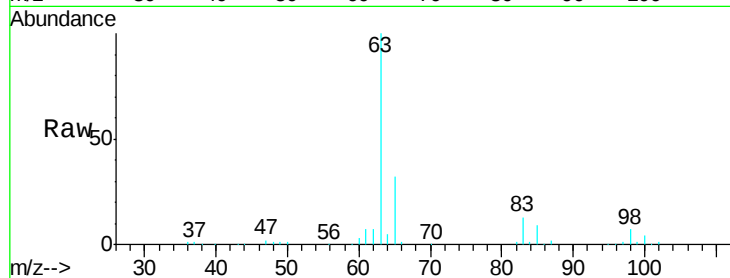
Tgt Ion: 63 Resp: 239843

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

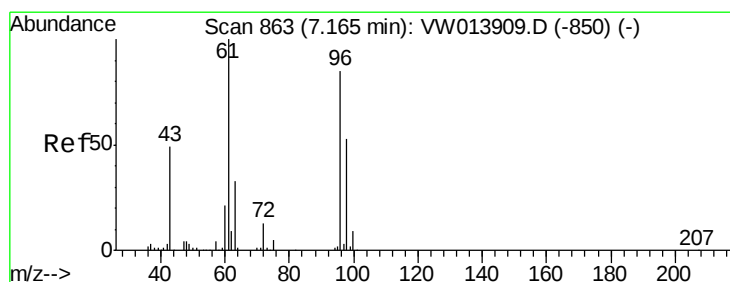
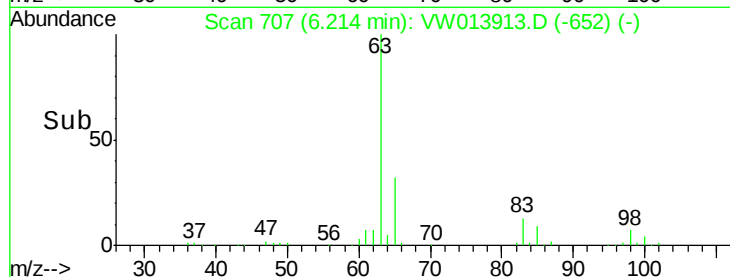
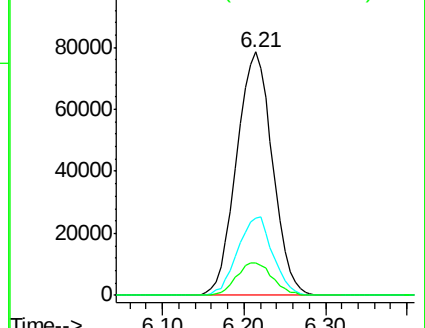
83 13.3 10.1 18.7



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: 44.612 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013913.D

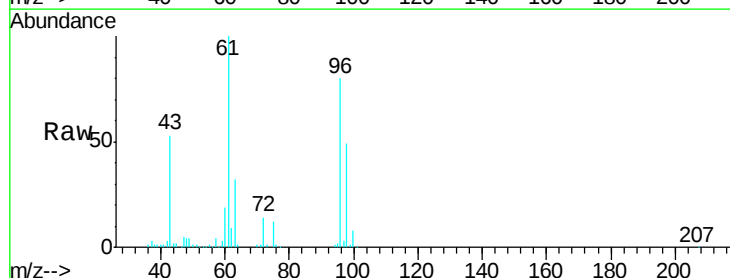
Acq: 04 Nov 2019 12:39

Tgt Ion: 43 Resp: 100421

Ion Ratio Lower Upper

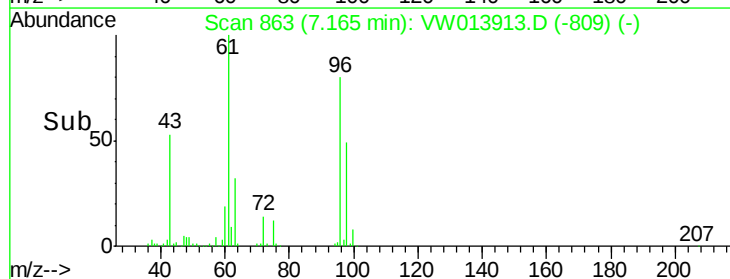
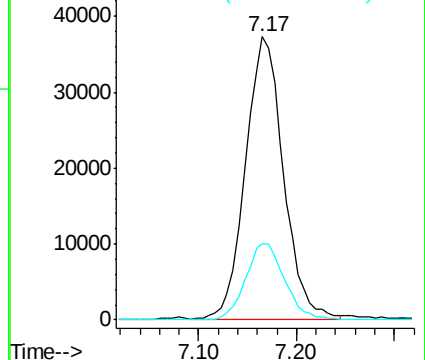
43 100

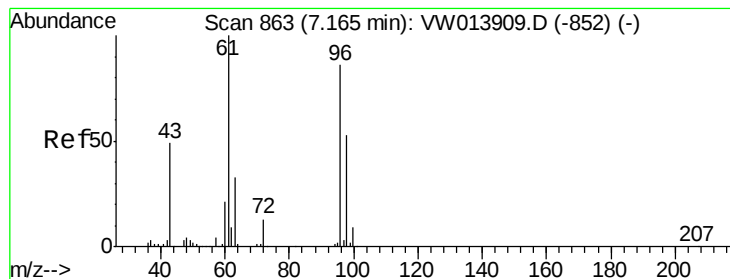
72 27.7 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



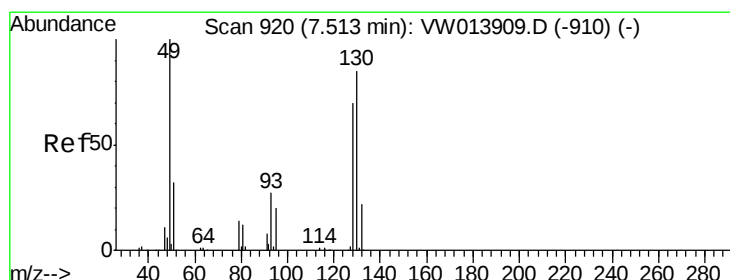
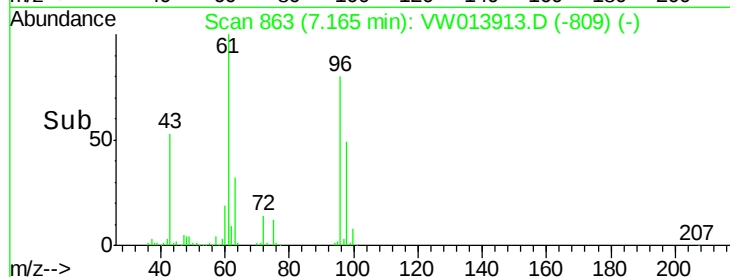
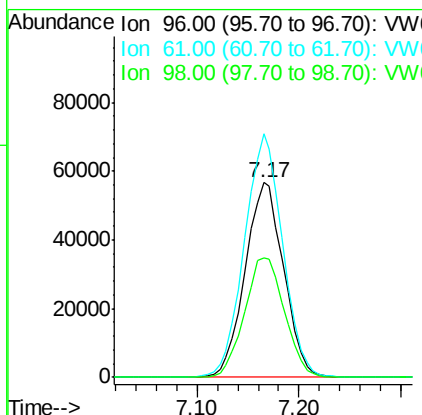
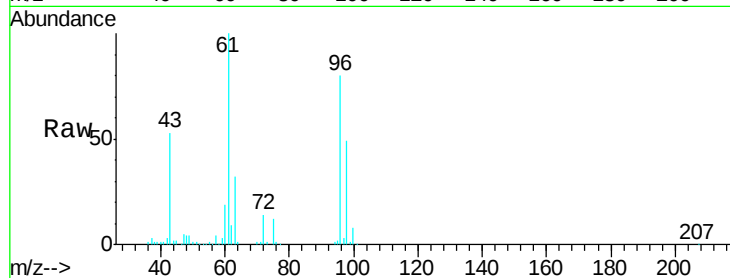


#22

cis-1,2-Dichloroethene
Concen: 26.158 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013913.D
Acq: 04 Nov 2019 12:39

Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

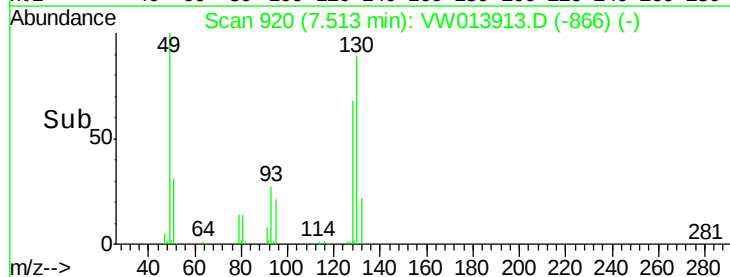
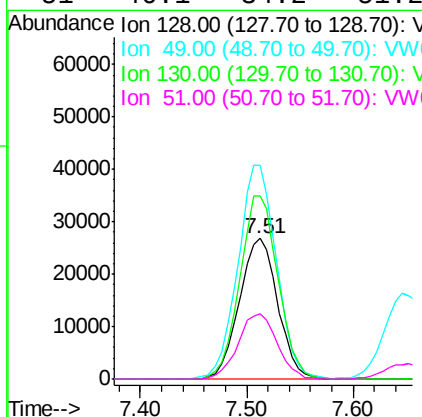
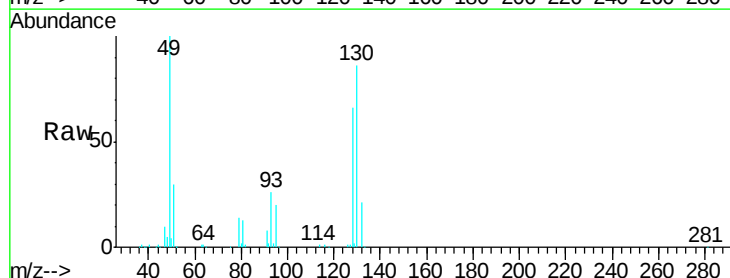
Tgt Ion: 96 Resp: 148787
Ion Ratio Lower Upper
96 100
61 125.3 82.3 152.9
98 61.5 44.0 81.8

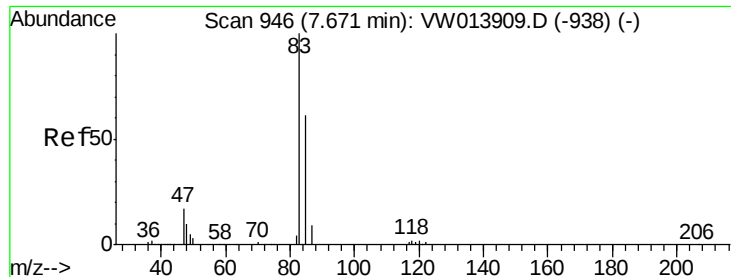


#23

Bromochloromethane
Concen: 25.383 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013913.D
Acq: 04 Nov 2019 12:39

Tgt Ion: 128 Resp: 67888
Ion Ratio Lower Upper
128 100
49 151.8 98.7 183.3
130 130.4 86.8 161.2
51 46.1 34.2 51.2





#25

Chloroform

Concen: 25.823 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

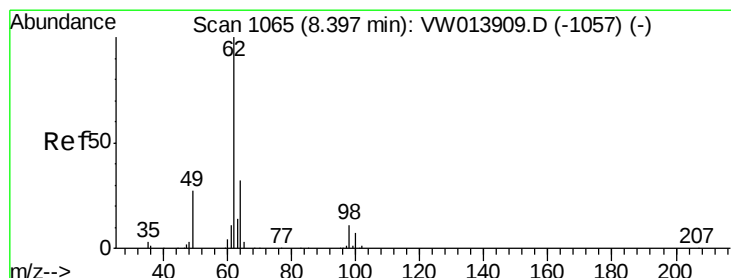
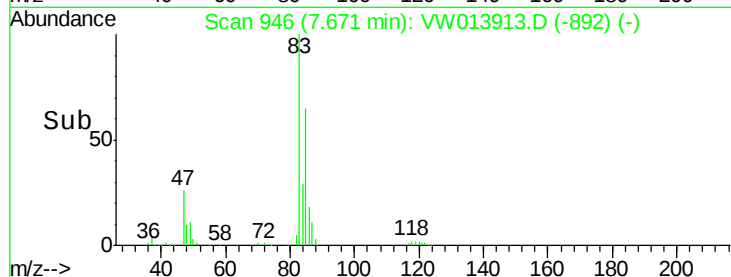
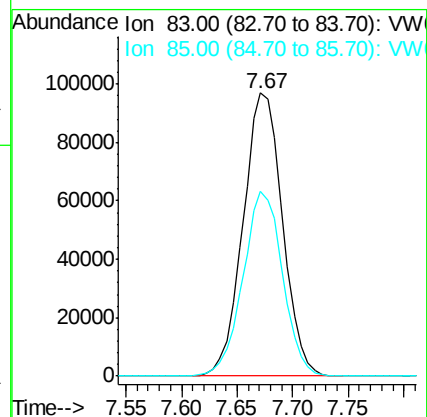
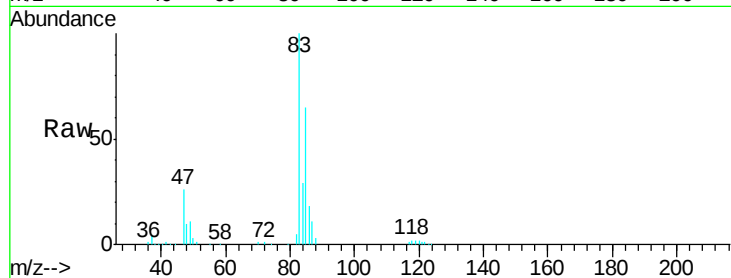
VSTD02517

Tgt Ion: 83 Resp: 238423

Ion Ratio Lower Upper

83 100

85 65.6 46.9 87.1



#27

1,2-Dichloroethane

Concen: 25.525 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013913.D

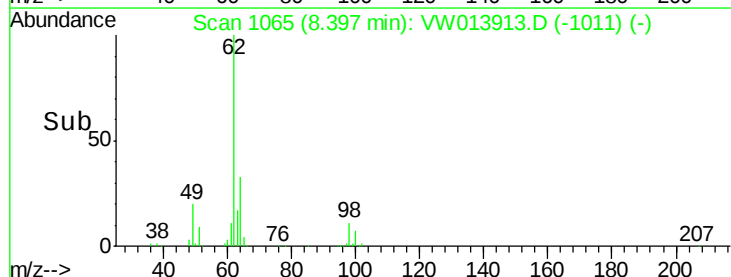
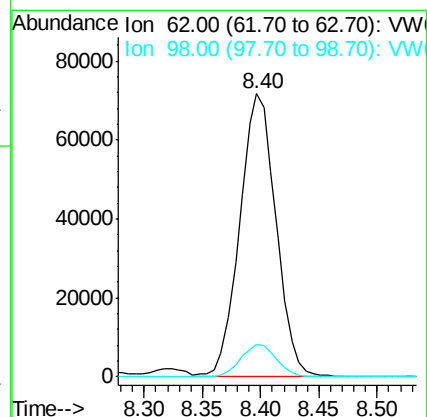
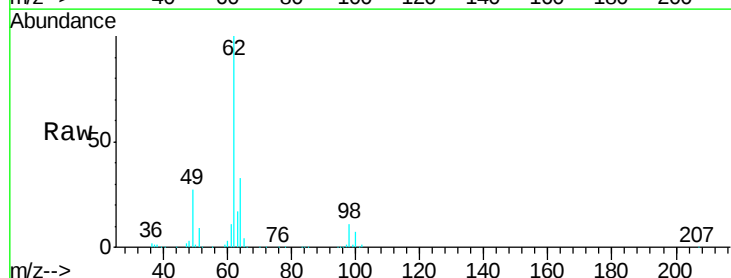
Acq: 04 Nov 2019 12:39

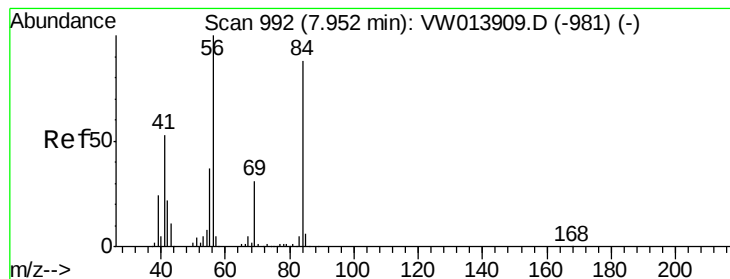
Tgt Ion: 62 Resp: 155871

Ion Ratio Lower Upper

62 100

98 11.4 8.2 12.2





#30

Cyclohexane

Concen: 27.255 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

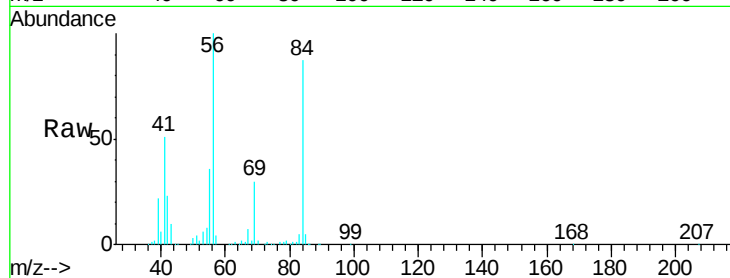
Tgt Ion: 56 Resp: 234727

Ion Ratio Lower Upper

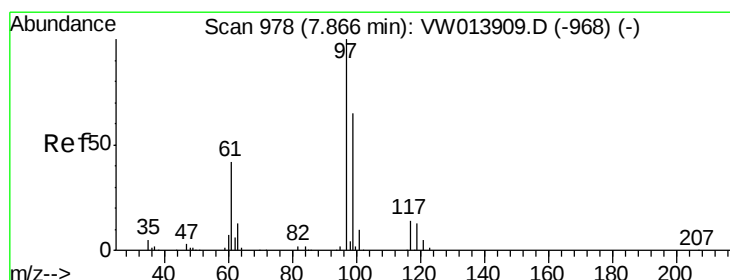
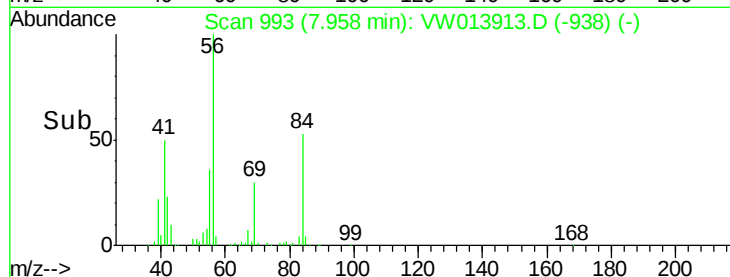
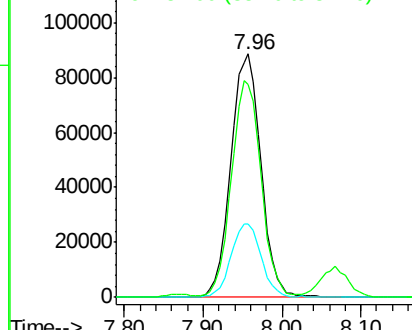
56 100

69 30.2 24.5 36.7

84 88.2 70.6 105.8



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: 27.115 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

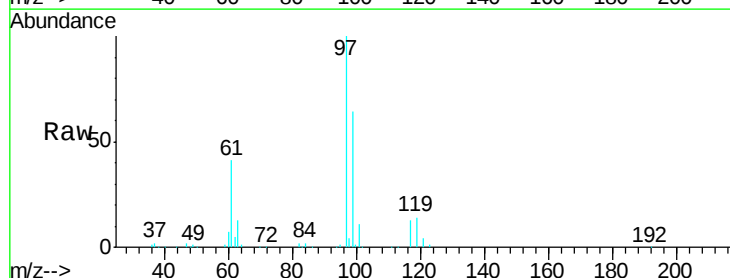
Tgt Ion: 97 Resp: 189495

Ion Ratio Lower Upper

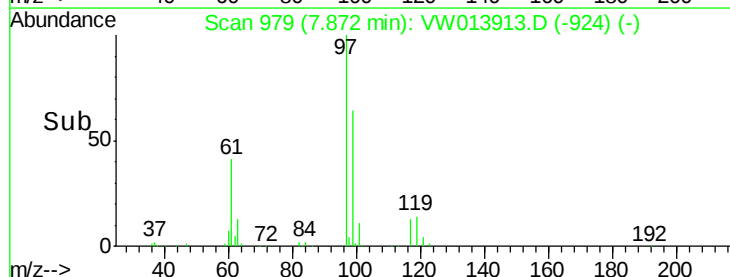
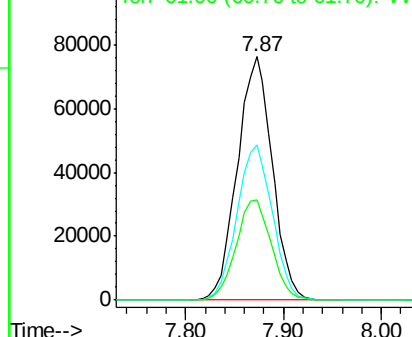
97 100

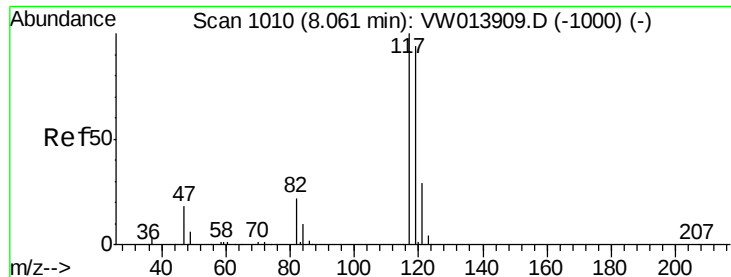
99 64.5 52.0 78.0

61 41.5 33.6 50.4



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





#32

Carbon tetrachloride

Concen: 26.984 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

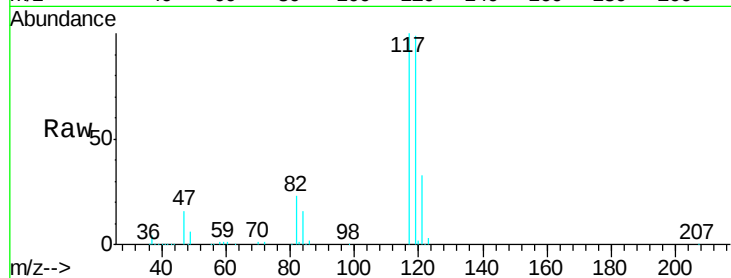
VSTD02517

Tgt Ion:117 Resp: 184410

Ion Ratio Lower Upper

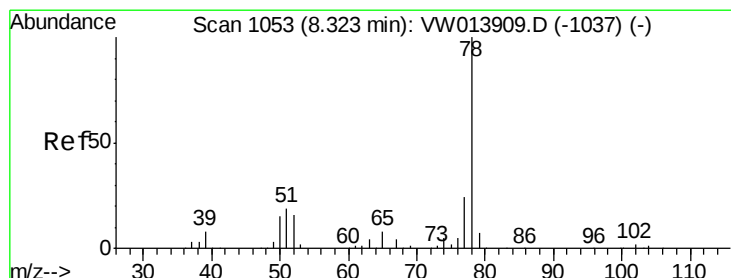
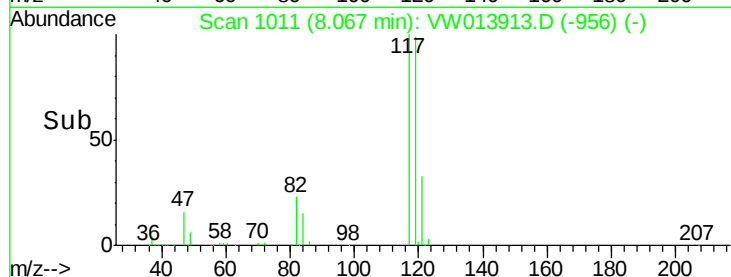
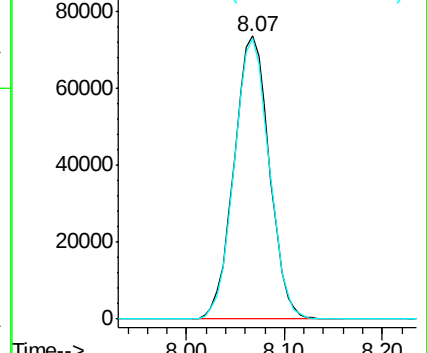
117 100

119 97.9 77.9 116.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.916 ug/L

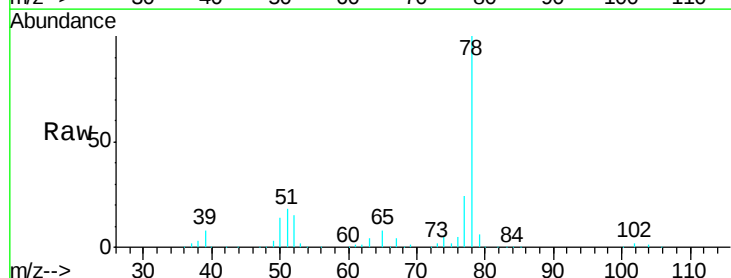
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

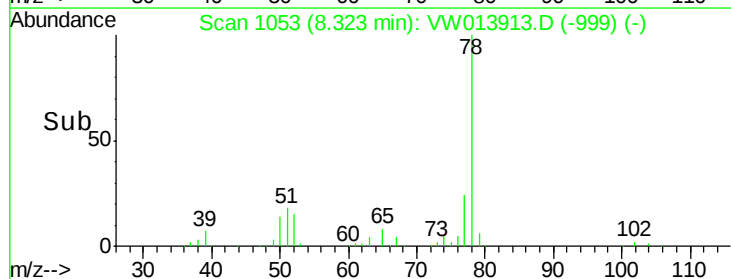
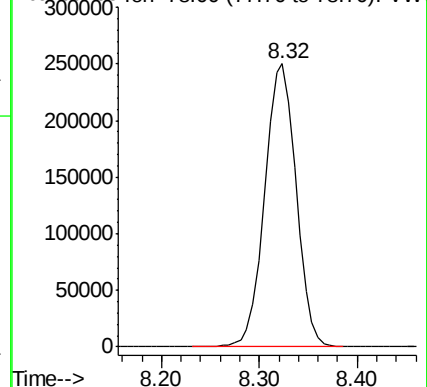
Lab File: VW013913.D

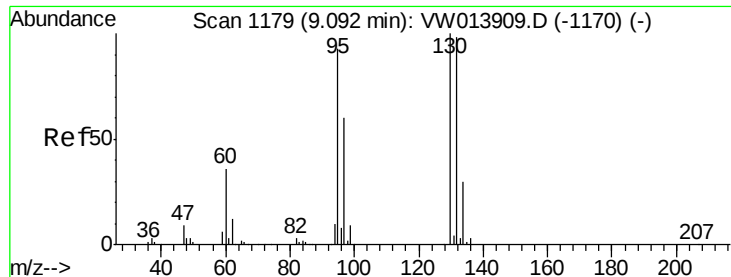
Acq: 04 Nov 2019 12:39

Tgt Ion: 78 Resp: 557685



Abundance Ion 78.00 (77.70 to 78.70): VW

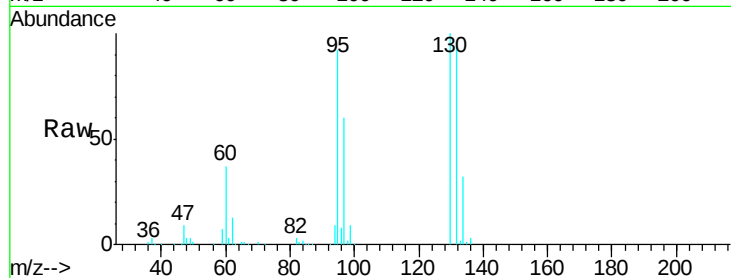




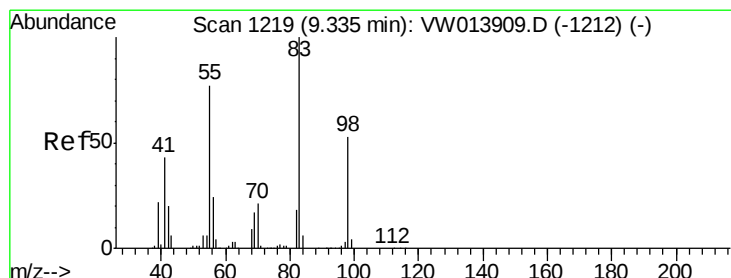
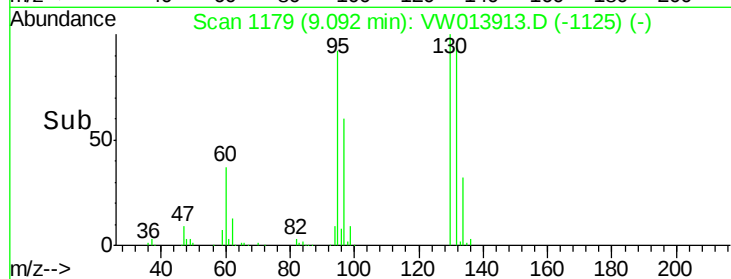
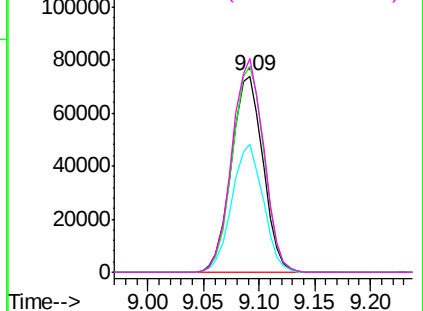
#35
 Trichloroethene
 Concen: 26.736 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013913.D
 Acq: 04 Nov 2019 12:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tgt Ion:	95	Resp:	146027
Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.9	83.5
132	104.7	73.3	136.1
130	108.9	75.5	140.1

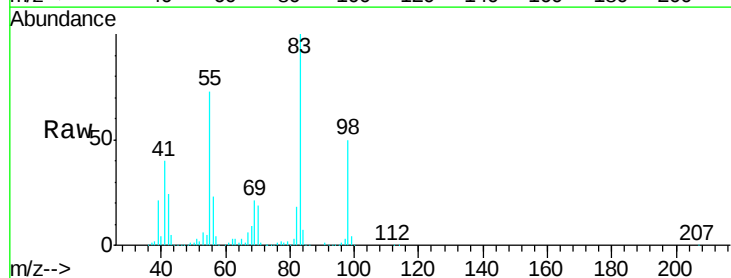


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

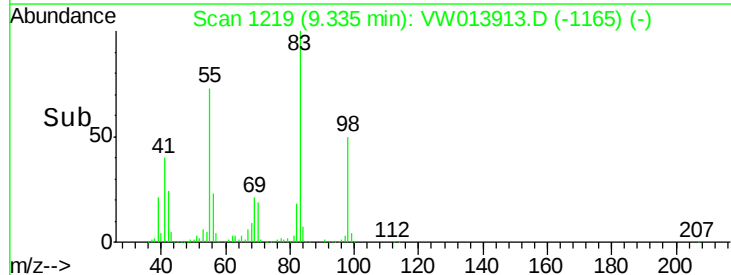
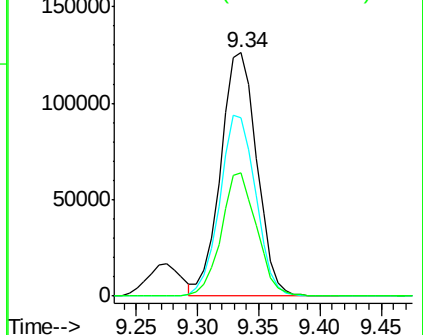


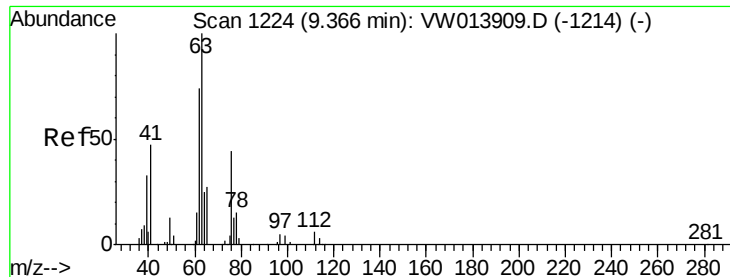
#36
 Methylcyclohexane
 Concen: 27.037 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013913.D
 Acq: 04 Nov 2019 12:39

Tgt Ion:	83	Resp:	259200
Ion	Ratio	Lower	Upper
83	100		
55	73.6	60.2	90.2
98	49.2	39.2	58.8



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: 26.892 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

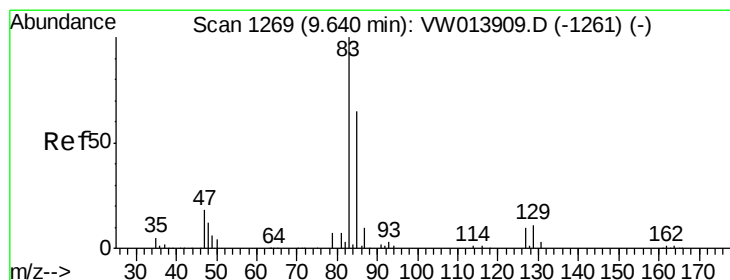
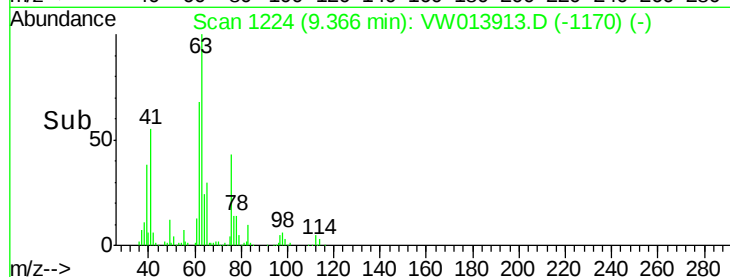
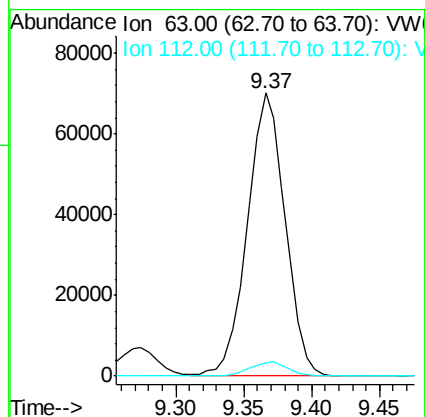
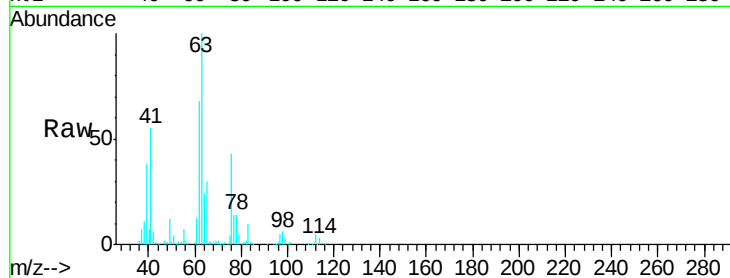
VSTD02517

Tgt Ion: 63 Resp: 136757

Ion Ratio Lower Upper

63 100

112 5.2 3.9 5.9



#41

Bromodichloromethane

Concen: 26.917 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

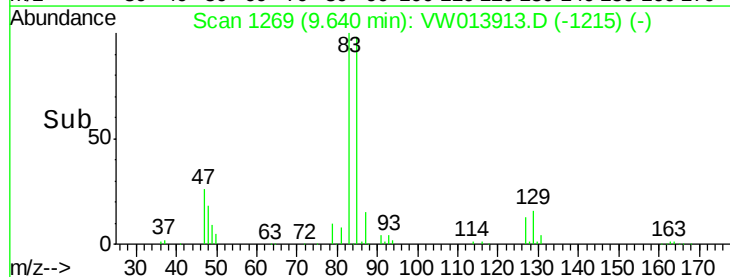
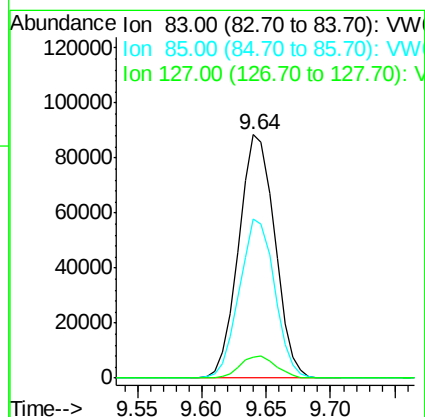
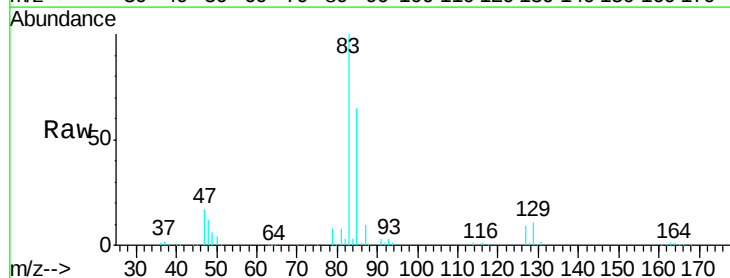
Tgt Ion: 83 Resp: 172081

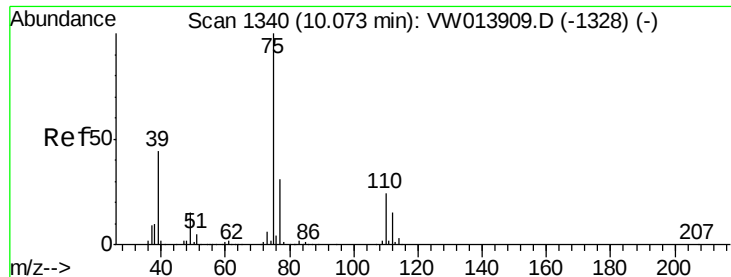
Ion Ratio Lower Upper

83 100

85 65.2 43.5 80.7

127 8.7 7.0 10.4





#42

cis-1,3-Dichloropropene

Concen: 26.852 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

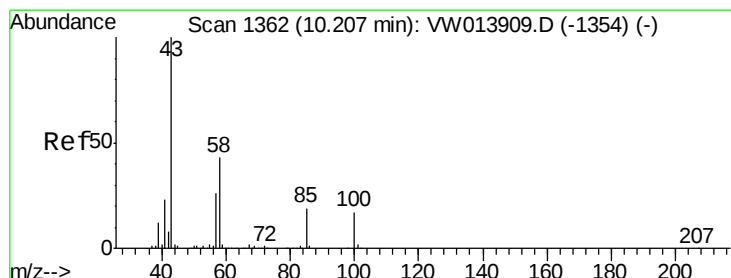
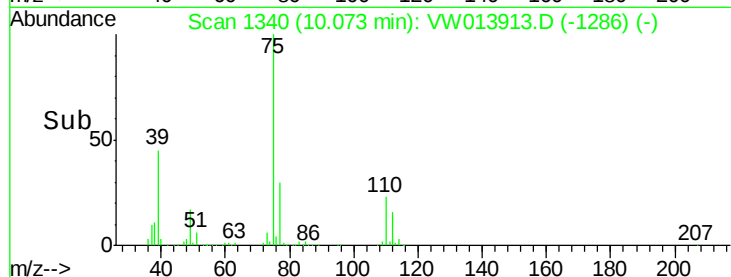
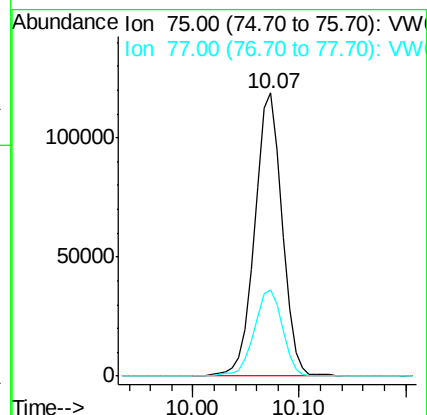
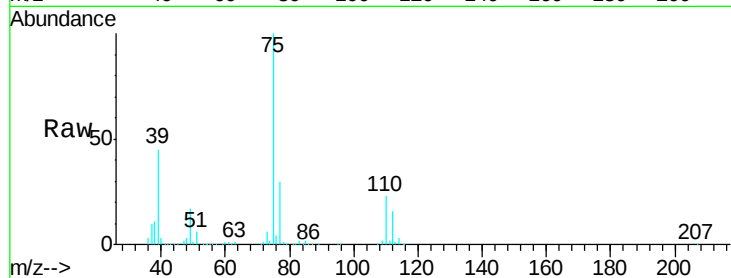
VSTD02517

Tgt Ion: 75 Resp: 215207

Ion Ratio Lower Upper

75 100

77 30.5 21.8 40.4



#43

4-Methyl-2-pentanone

Concen: 49.755 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

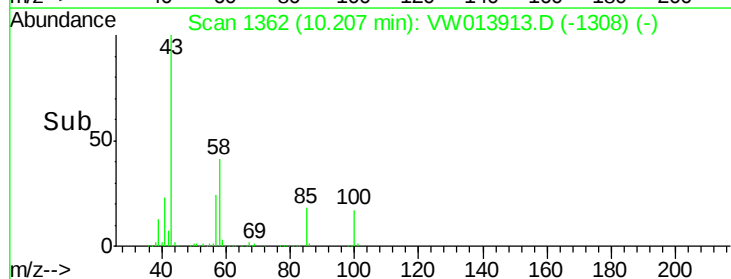
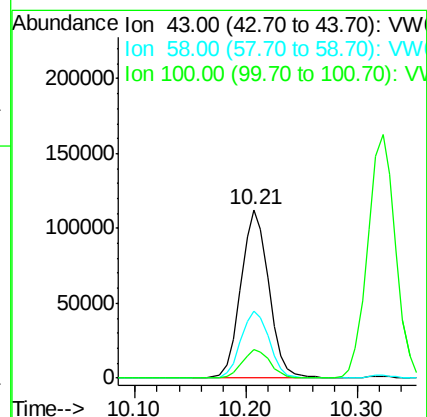
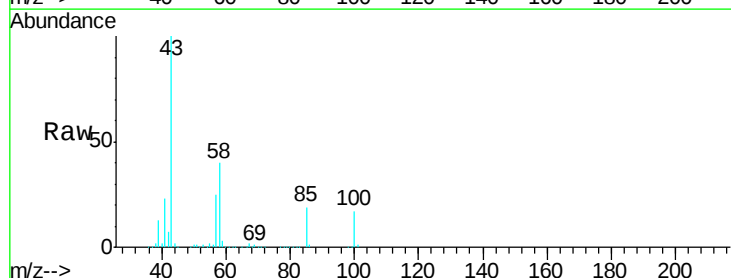
Tgt Ion: 43 Resp: 194595

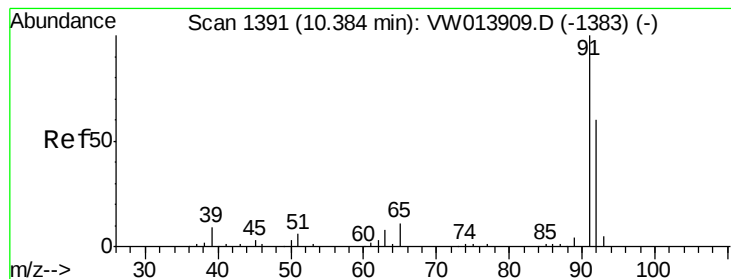
Ion Ratio Lower Upper

43 100

58 40.8 32.6 48.8

100 16.8 14.1 21.1





#44

Toluene

Concen: 27.182 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

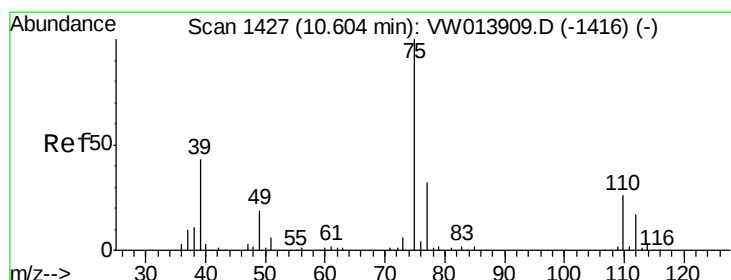
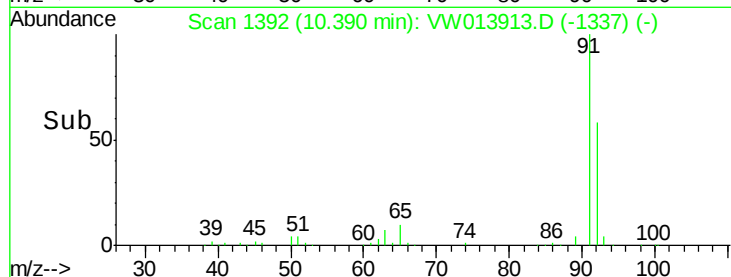
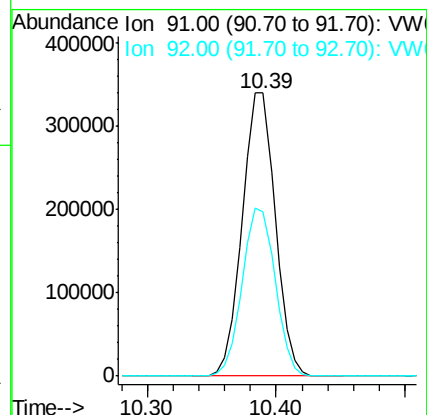
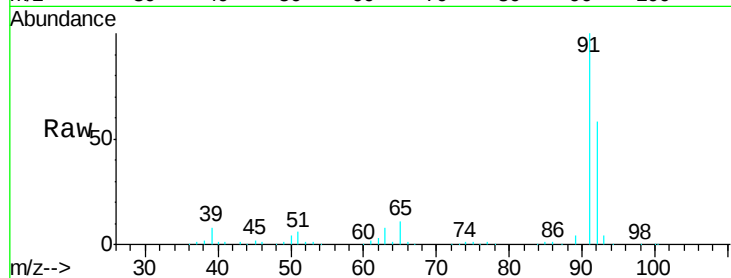
VSTD02517

Tgt Ion: 91 Resp: 605199

Ion Ratio Lower Upper

91 100

92 58.1 40.3 74.9



#45

trans-1,3-Dichloropropene

Concen: 26.619 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013913.D

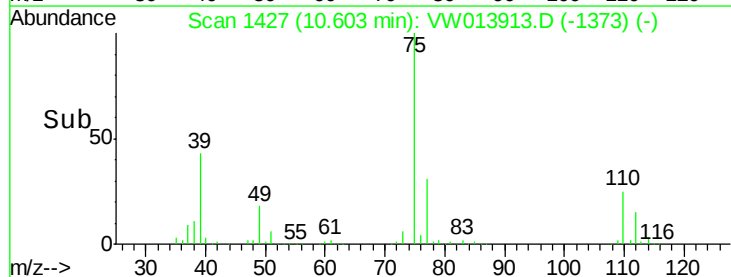
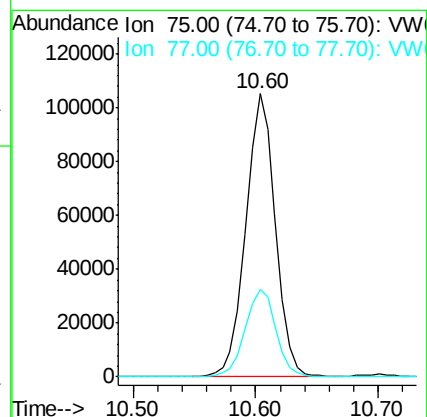
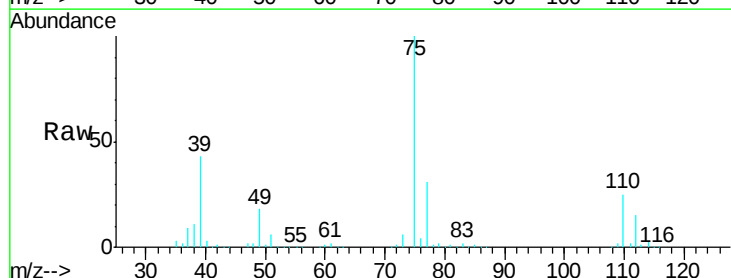
Acq: 04 Nov 2019 12:39

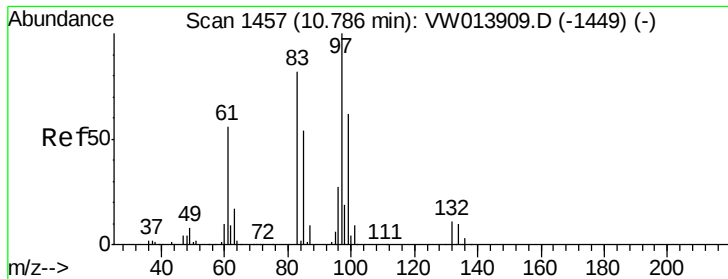
Tgt Ion: 75 Resp: 176283

Ion Ratio Lower Upper

75 100

77 31.1 22.5 41.7

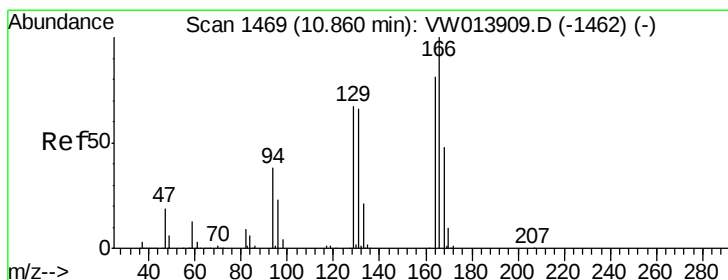
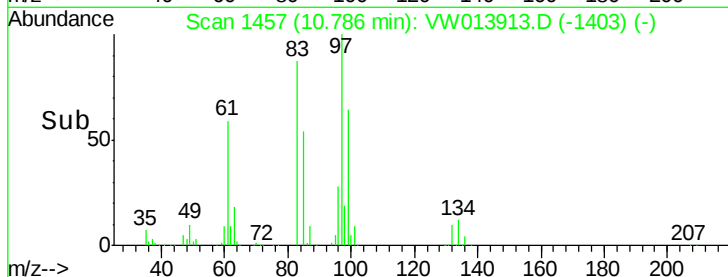
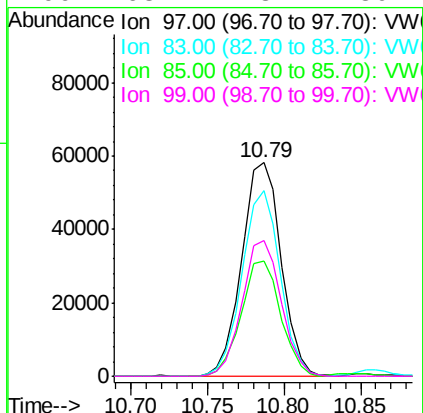
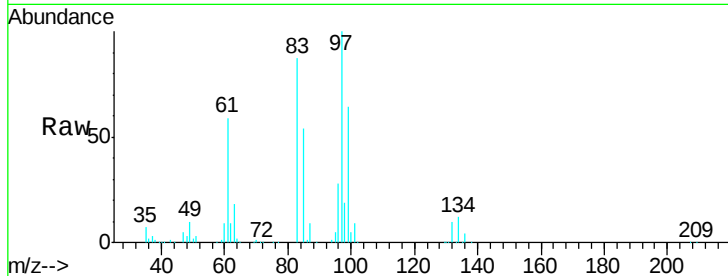




#46
 1,1,2-Trichloroethane
 Concen: 25.723 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013913.D
 Acq: 04 Nov 2019 12:39

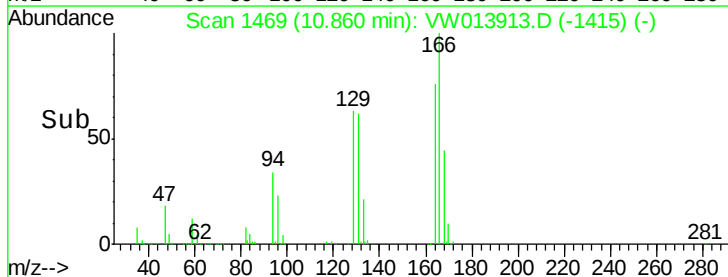
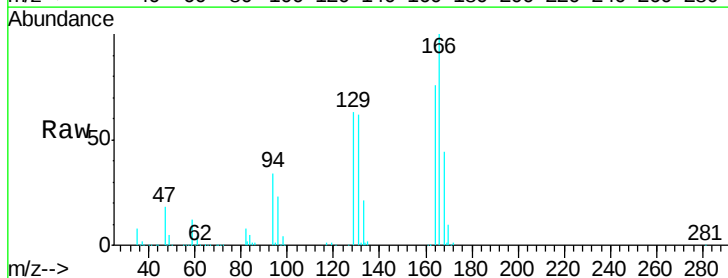
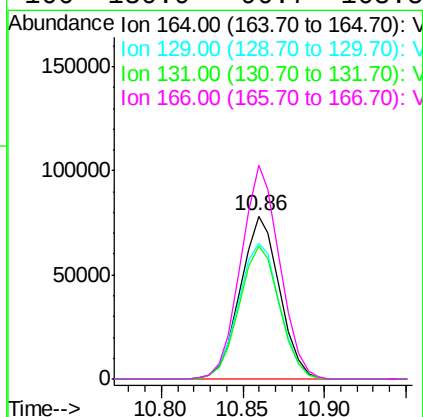
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

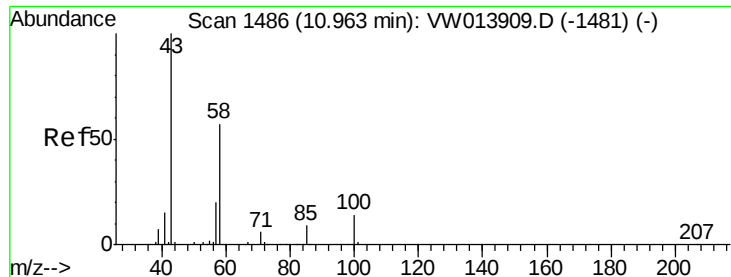
Tgt Ion: 97 Resp: 104457
 Ion Ratio Lower Upper
 97 100
 83 87.0 58.4 108.4
 85 54.2 36.2 67.2
 99 63.7 43.1 80.1



#47
 Tetrachloroethene
 Concen: 26.083 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013913.D
 Acq: 04 Nov 2019 12:39

Tgt Ion: 164 Resp: 131158
 Ion Ratio Lower Upper
 164 100
 129 83.1 63.0 117.0
 131 81.8 60.6 112.6
 166 130.9 90.7 168.5

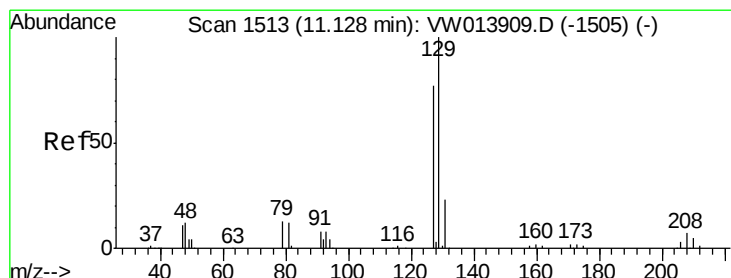
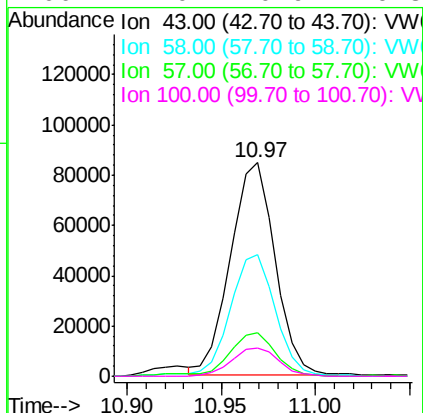
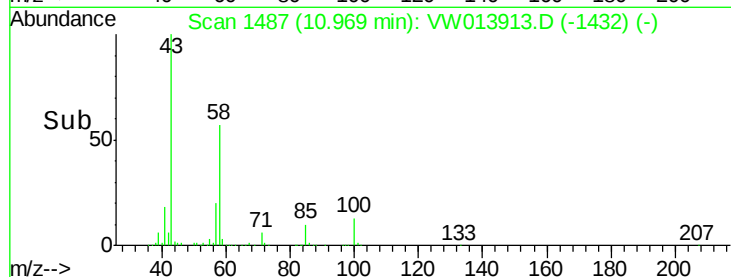
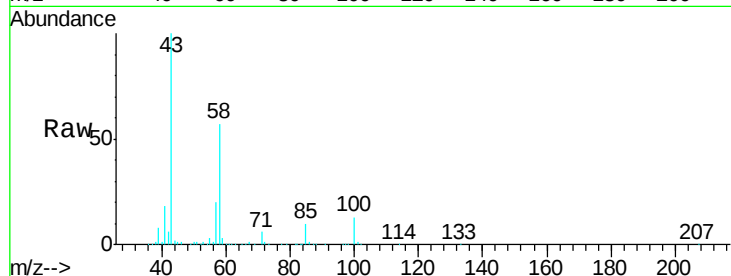




#49
2-Hexanone
Concen: 48.672 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013913.D
Acq: 04 Nov 2019 12:39

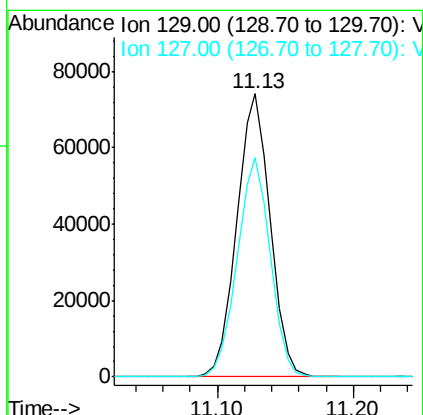
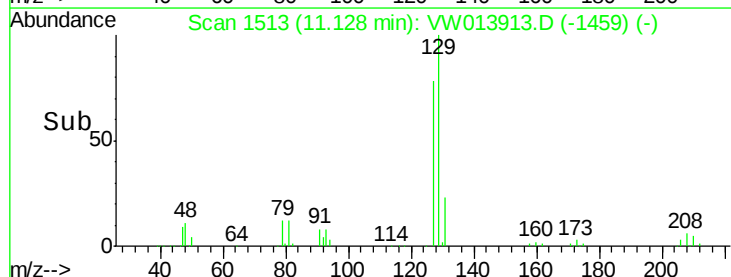
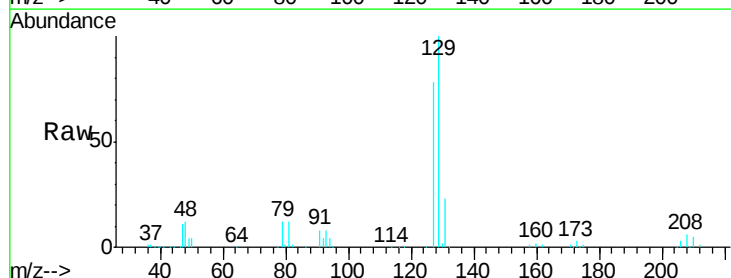
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

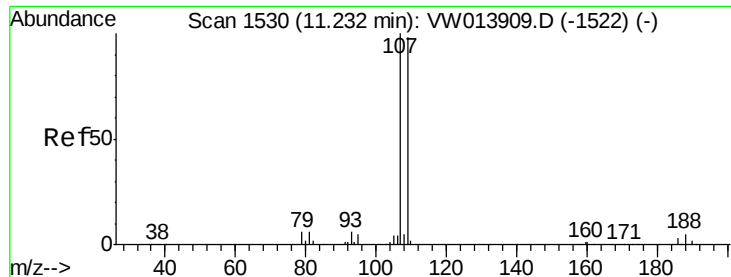
Tgt Ion: 43 Resp: 139845
Ion Ratio Lower Upper
43 100
58 57.7 45.2 67.8
57 20.7 15.4 23.0
100 14.0 10.9 16.3



#50
Dibromochloromethane
Concen: 26.840 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013913.D
Acq: 04 Nov 2019 12:39

Tgt Ion: 129 Resp: 126525
Ion Ratio Lower Upper
129 100
127 77.7 52.1 96.7

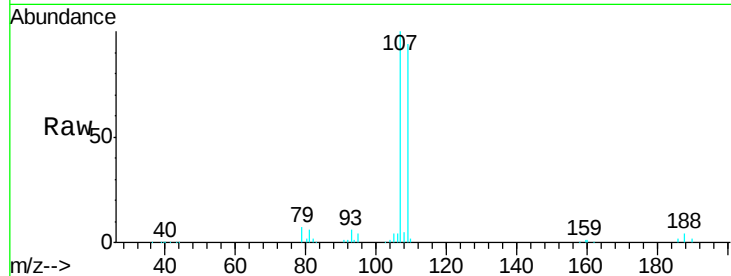




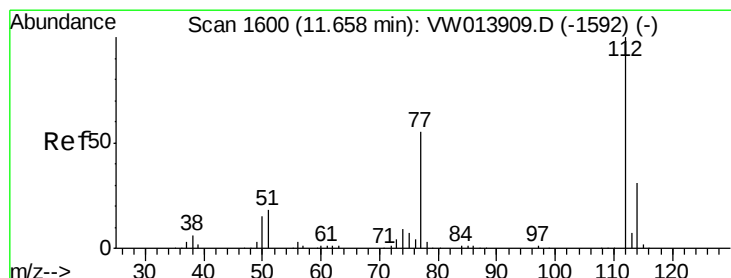
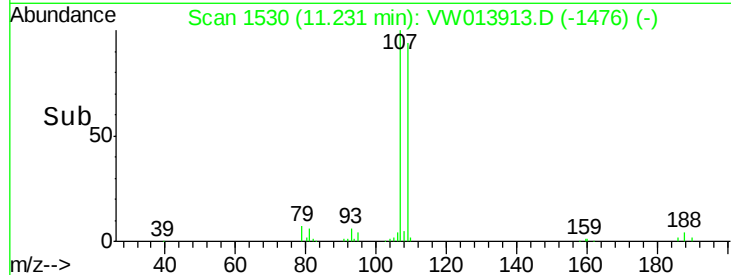
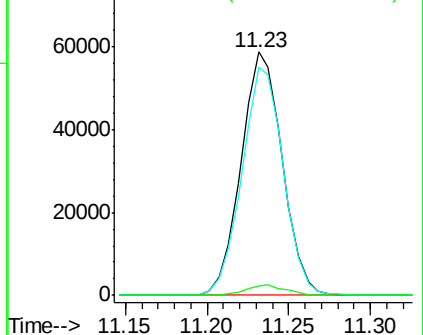
#51
 1,2-Dibromoethane
 Concen: 25.643 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013913.D
 Acq: 04 Nov 2019 12:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.8	66.3	123.1
188	4.0	3.5	5.3

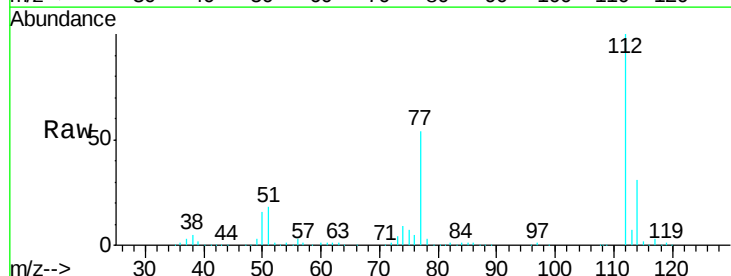


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

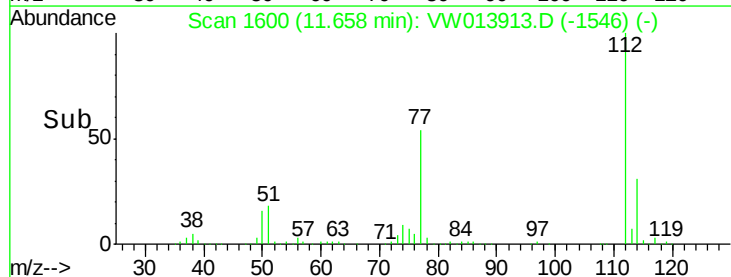
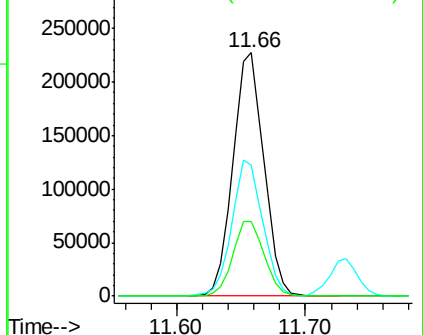


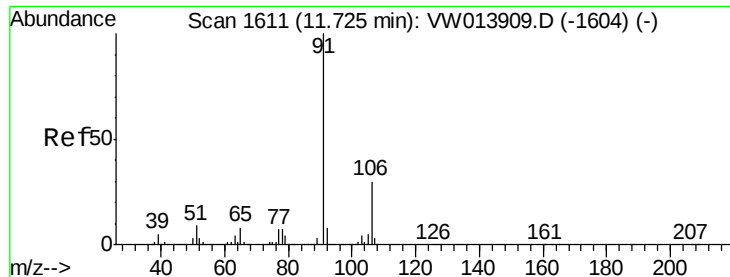
#52
 Chlorobenzene
 Concen: 26.418 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013913.D
 Acq: 04 Nov 2019 12:39

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.0	45.4	68.0
114	30.7	22.6	42.0



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 77.00 (76.70 to 77.70): V
 Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.574 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

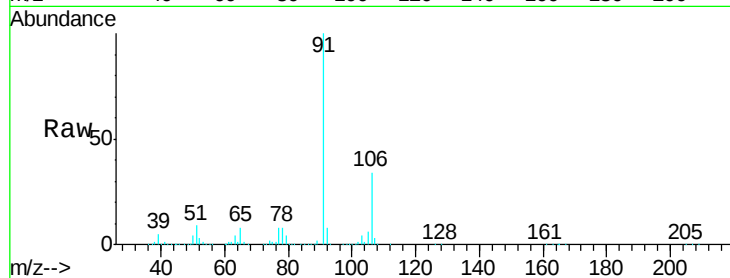
VSTD02517

Tgt Ion: 91 Resp: 658620

Ion Ratio Lower Upper

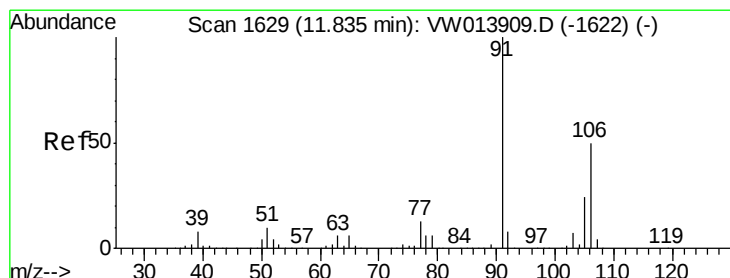
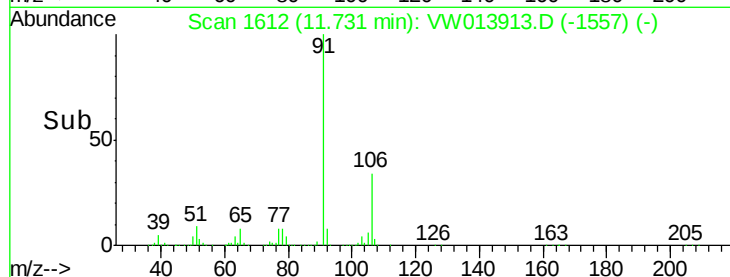
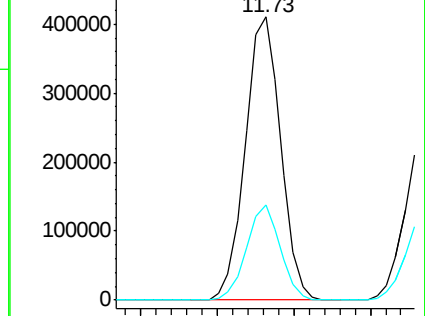
91 100

106 33.8 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 27.115 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW013913.D

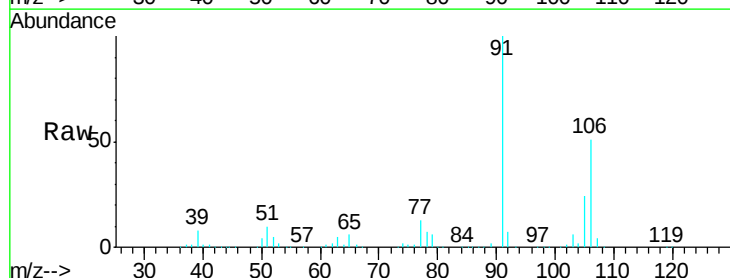
Acq: 04 Nov 2019 12:39

Tgt Ion: 106 Resp: 258980

Ion Ratio Lower Upper

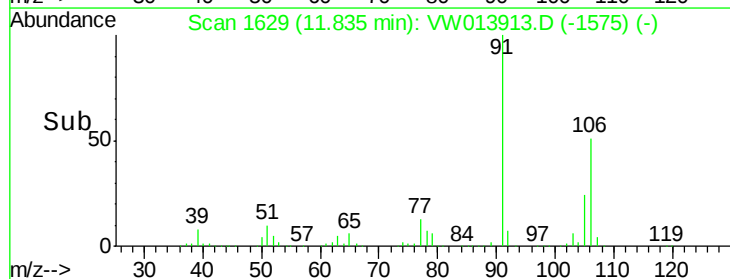
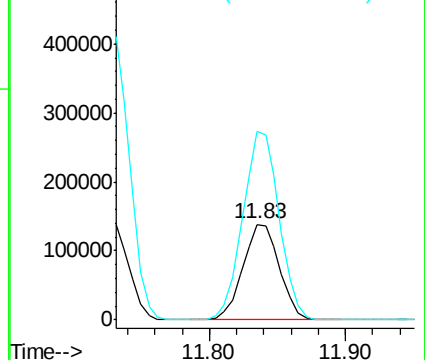
106 100

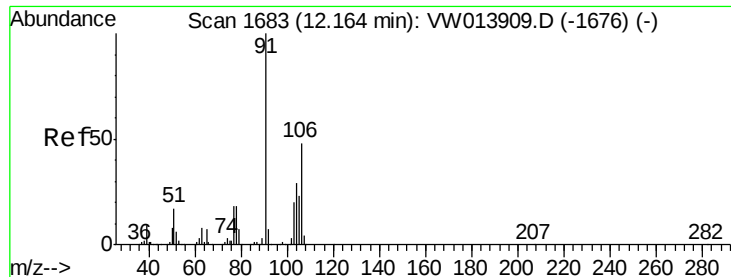
91 196.6 133.7 248.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 26.864 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

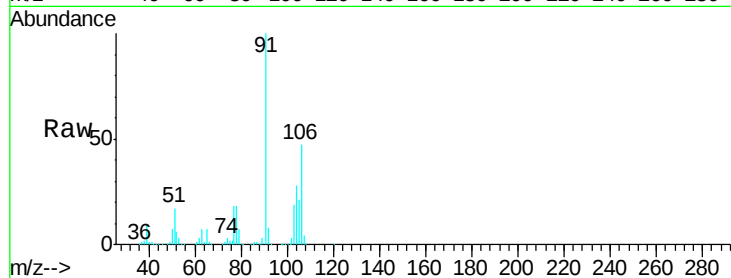
VSTD02517

Tgt Ion:106 Resp: 242528

Ion Ratio Lower Upper

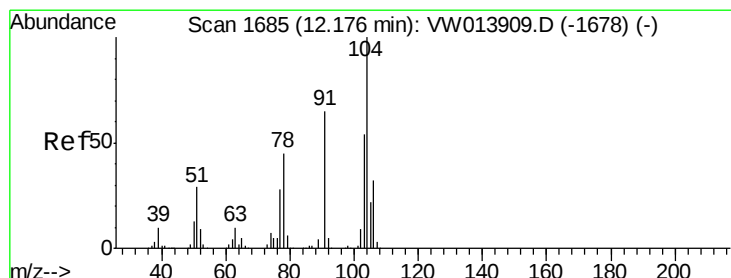
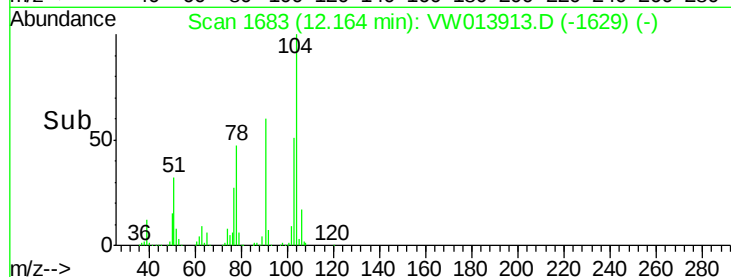
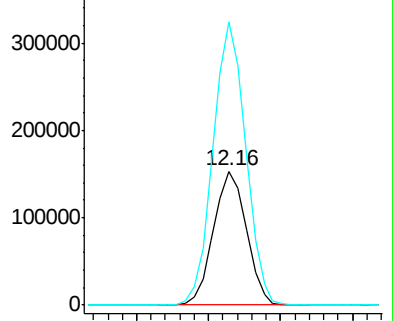
106 100

91 211.4 145.6 270.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.053 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW013913.D

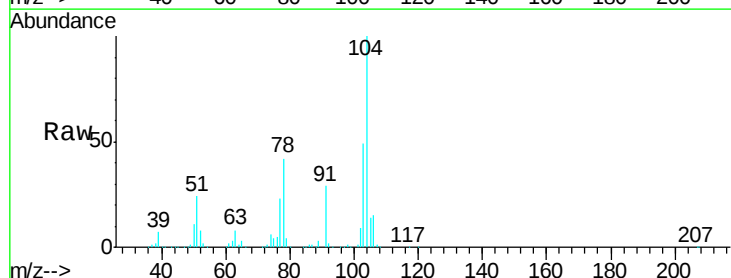
Acq: 04 Nov 2019 12:39

Tgt Ion:104 Resp: 421475

Ion Ratio Lower Upper

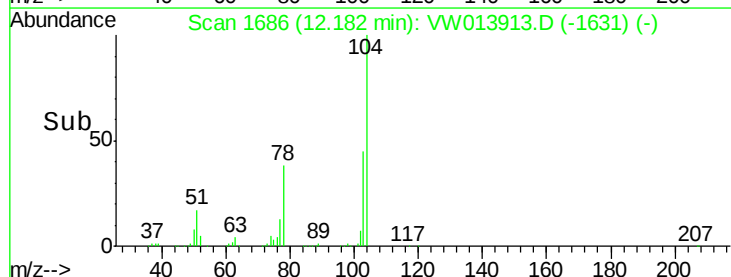
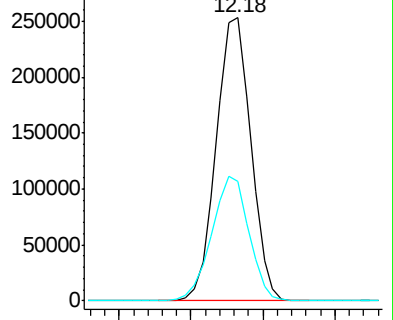
104 100

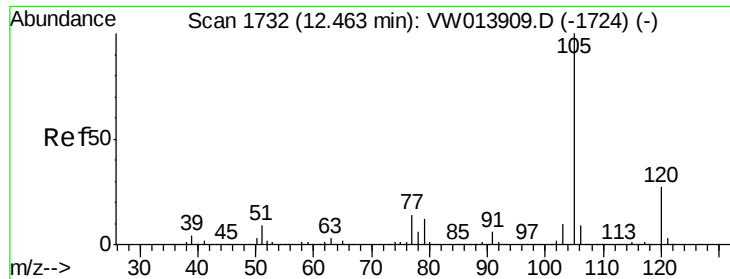
78 42.1 29.2 54.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.037 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

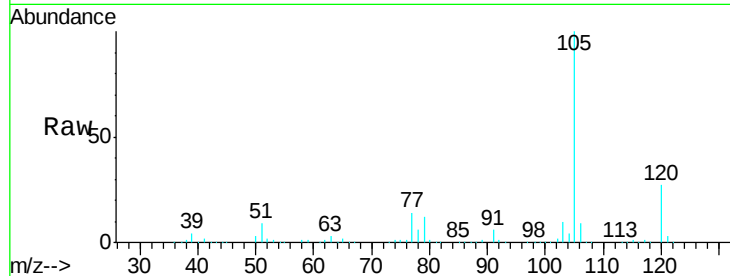
Tgt Ion: 105 Resp: 658197

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

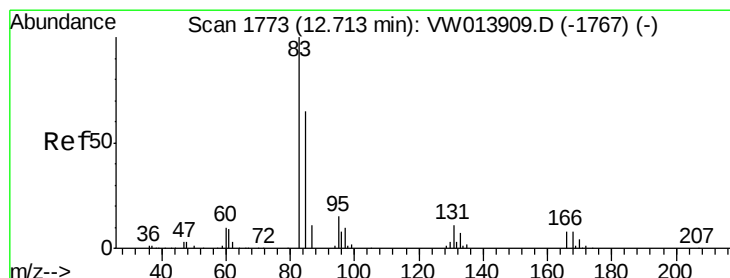
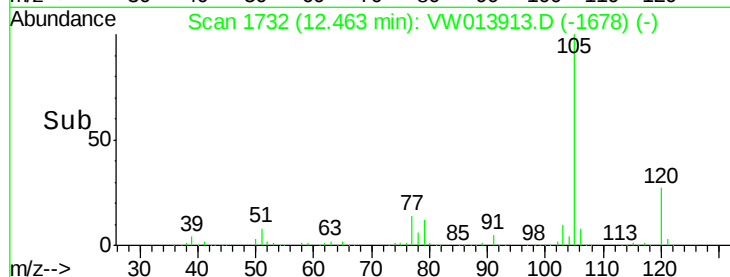
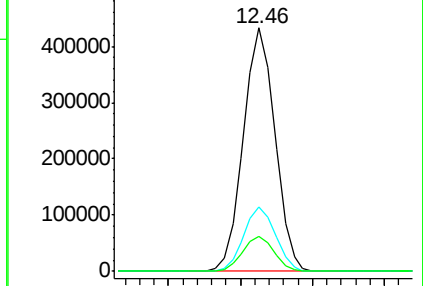
77 14.3 11.7 17.5



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: 25.571 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

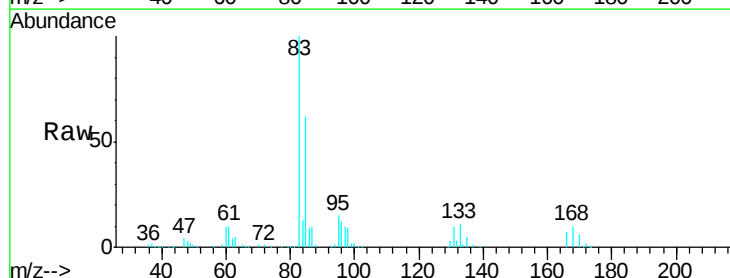
Tgt Ion: 83 Resp: 130774

Ion Ratio Lower Upper

83 100

85 61.7 45.6 84.6

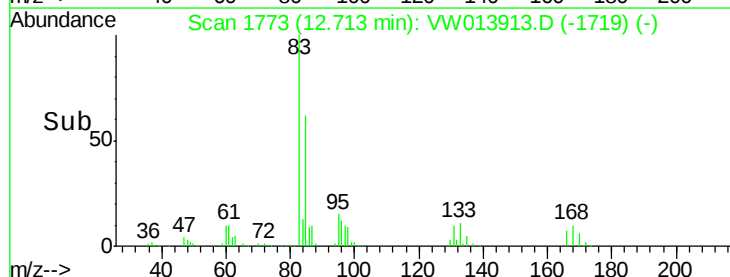
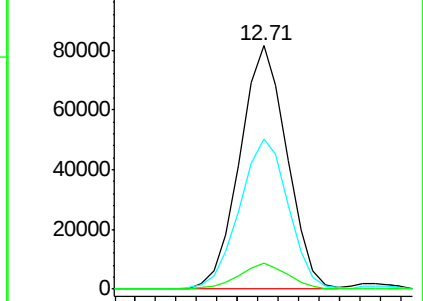
131 10.5 7.8 11.8

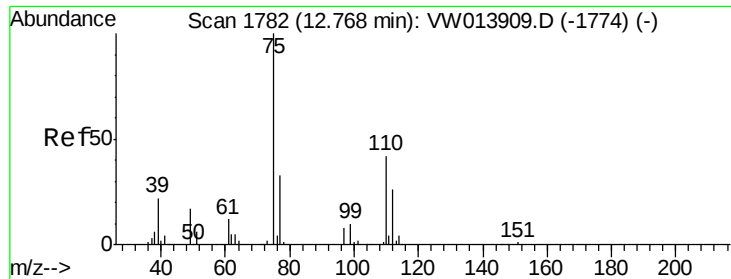


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

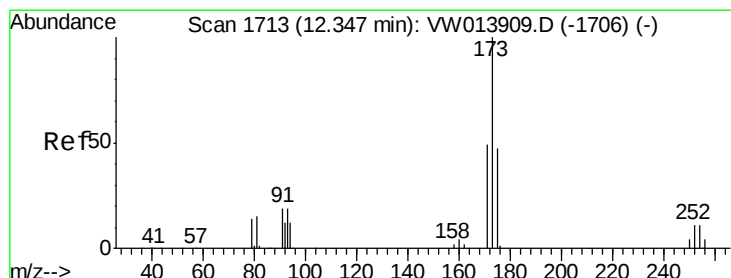
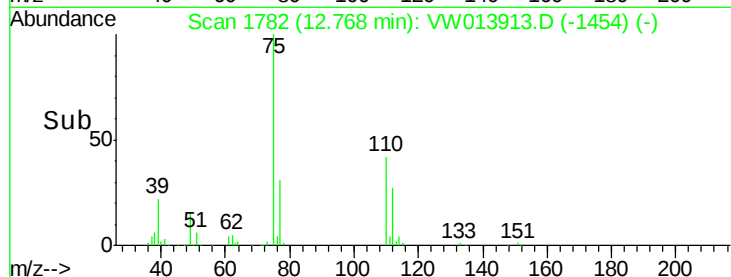
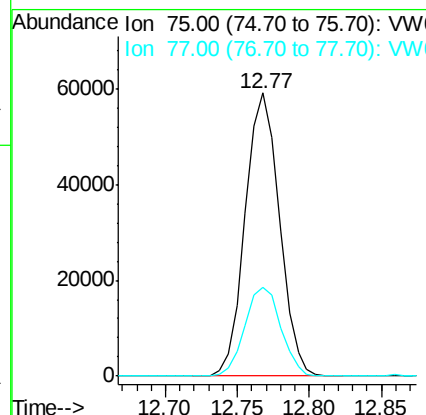
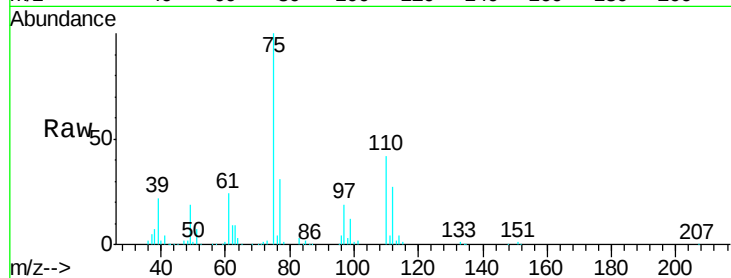




#59
 1,2,3-Trichloropropane
 Concen: 25.380 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013913.D
 Acq: 04 Nov 2019 12:39

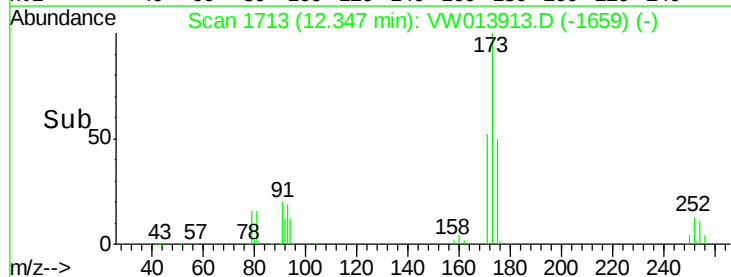
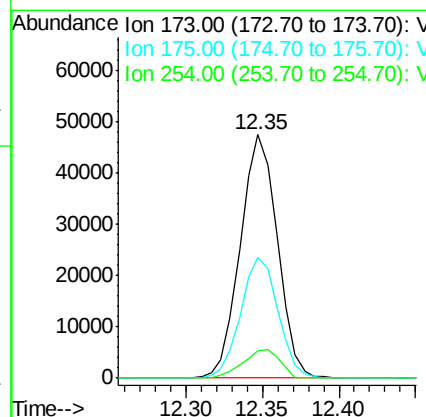
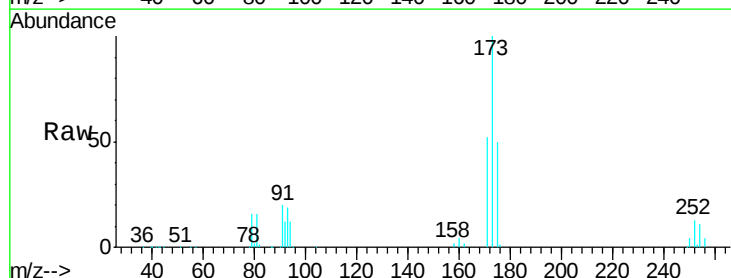
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

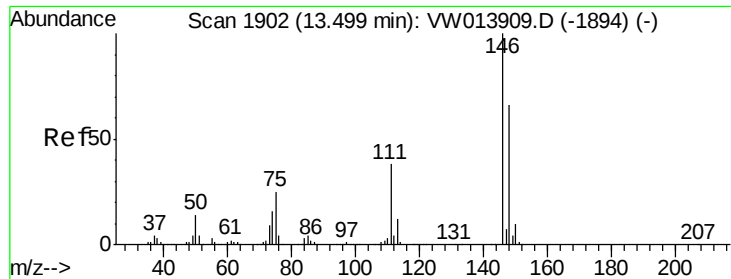
Tgt Ion: 75 Resp: 97453
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.9 38.9



#62
 Bromoform
 Concen: 25.657 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013913.D
 Acq: 04 Nov 2019 12:39

Tgt Ion: 173 Resp: 79873
 Ion Ratio Lower Upper
 173 100
 175 50.0 39.7 59.5
 254 11.6 10.0 15.0

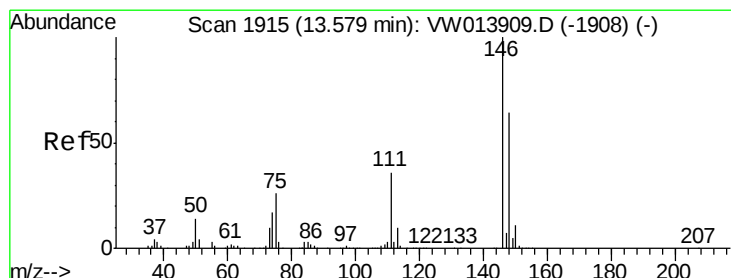
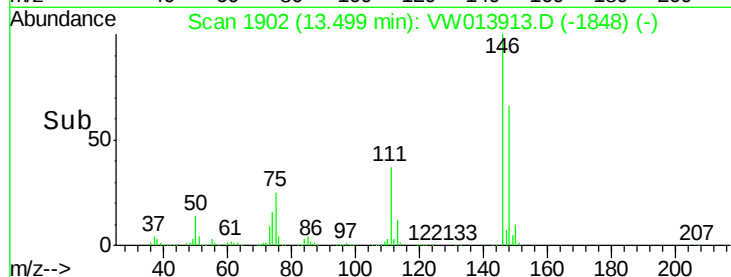
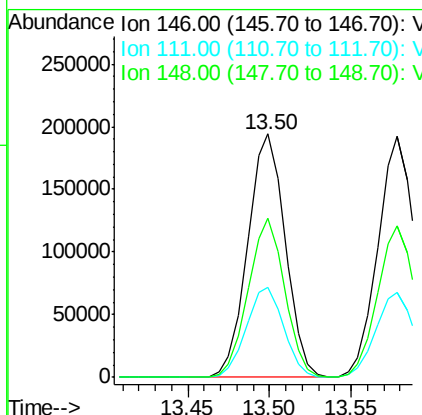
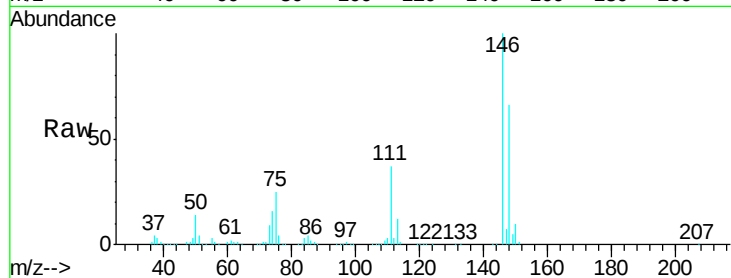




#63
 1,3-Dichlorobenzene
 Concen: 26.219 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013913.D
 Acq: 04 Nov 2019 12:39

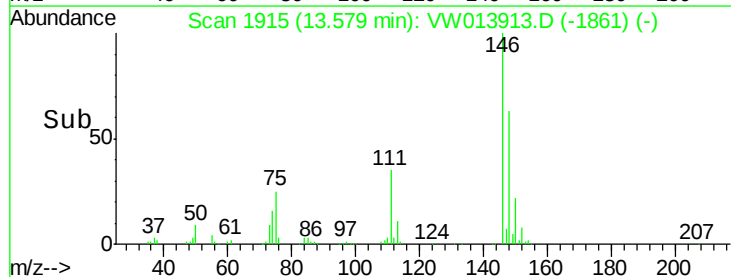
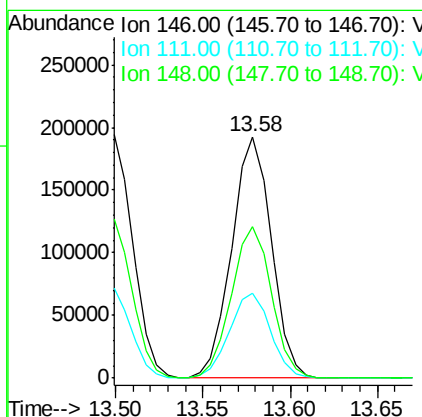
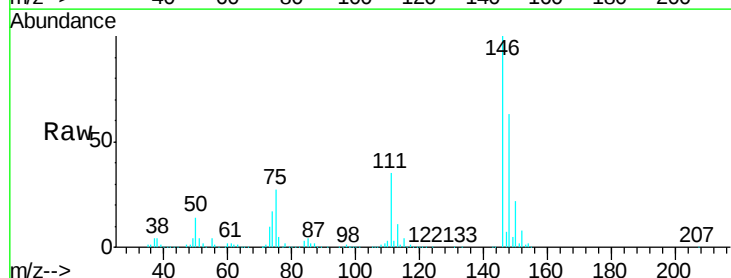
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

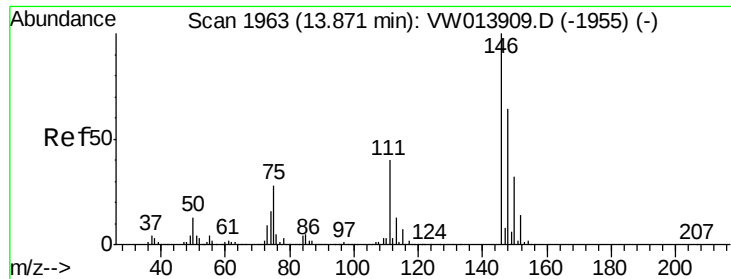
Tgt Ion:146 Resp: 310891
 Ion Ratio Lower Upper
 146 100
 111 37.0 27.4 51.0
 148 65.5 44.6 82.8



#64
 1,4-Dichlorobenzene
 Concen: 25.659 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013913.D
 Acq: 04 Nov 2019 12:39

Tgt Ion:146 Resp: 304985
 Ion Ratio Lower Upper
 146 100
 111 35.4 25.9 48.1
 148 62.6 46.3 86.1

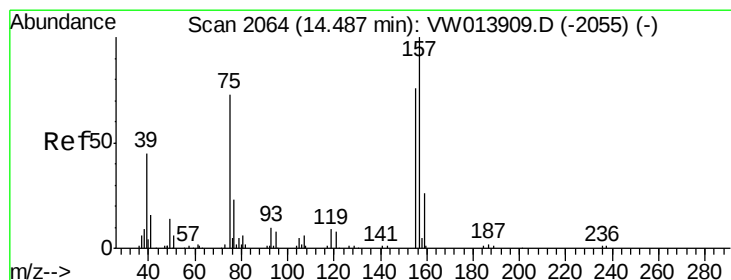
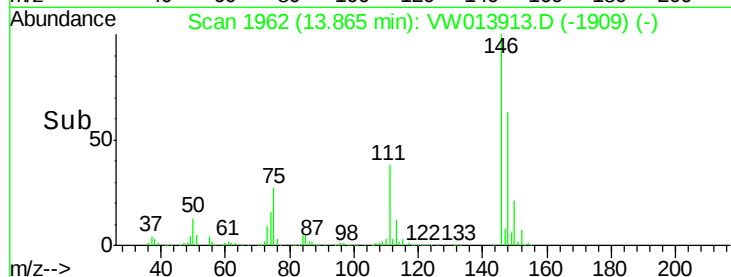
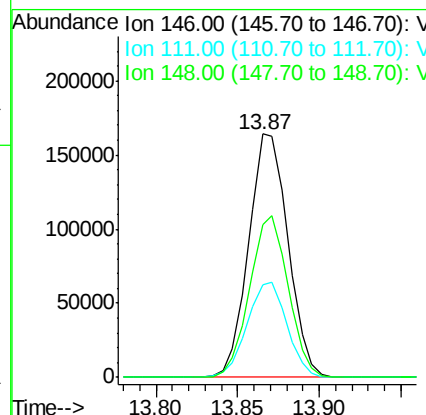
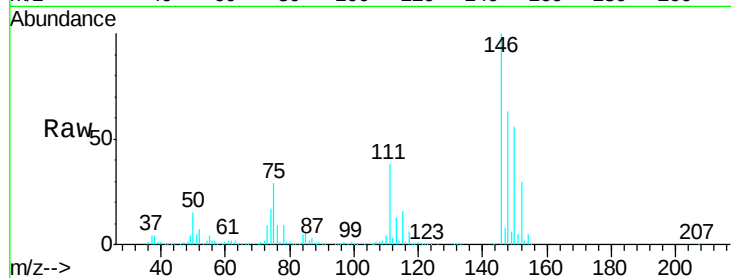




#65
 1,2-Dichlorobenzene
 Concen: 25.831 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW013913.D
 Acq: 04 Nov 2019 12:39

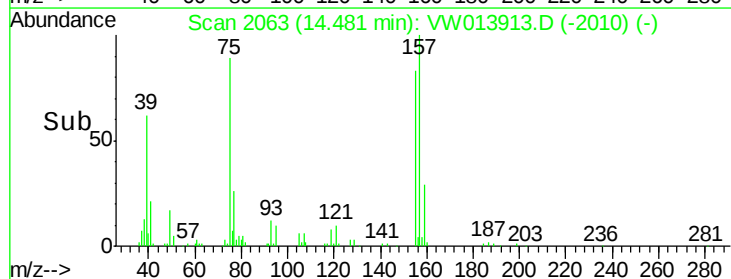
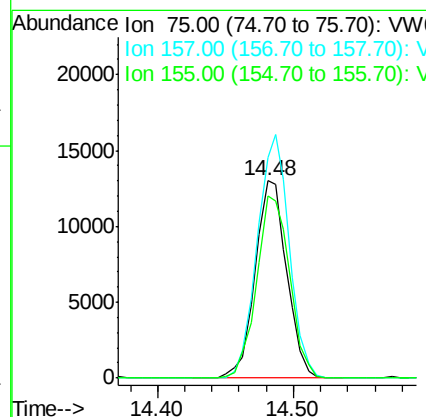
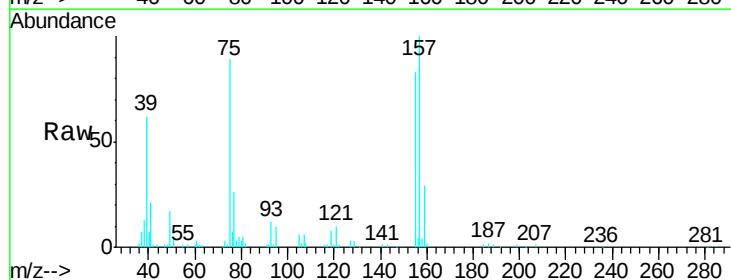
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

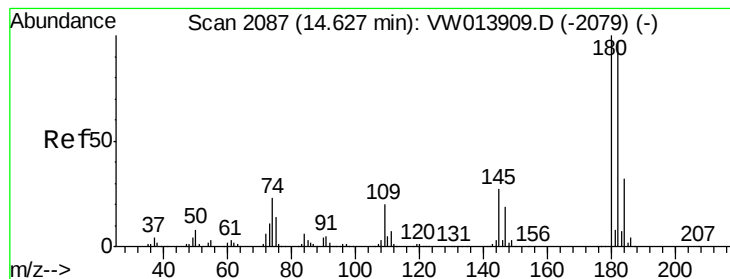
Tgt Ion: 146 Resp: 276948
 Ion Ratio Lower Upper
 146 100
 111 38.1 31.6 47.4
 148 62.9 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.668 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013913.D
 Acq: 04 Nov 2019 12:39

Tgt Ion: 75 Resp: 21187
 Ion Ratio Lower Upper
 75 100
 157 112.0 91.0 136.6
 155 92.7 74.7 112.1





#67

1,3,5-Trichlorobenzene

Concen: 26.312 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

Tgt Ion:180 Resp: 234981

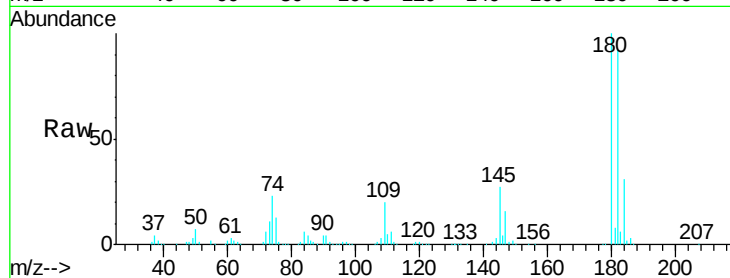
Ion Ratio Lower Upper

180 100

182 95.0 76.8 115.2

184 30.7 23.8 35.8

145 27.8 21.9 32.9

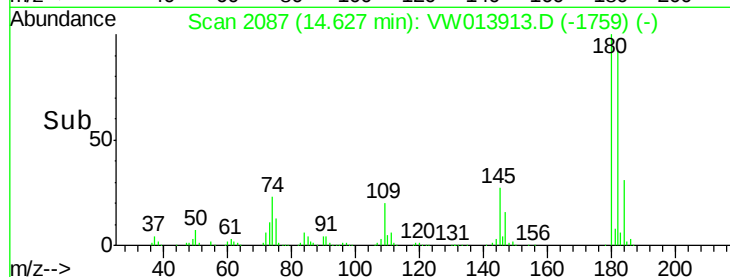


Abundance Ion 180.00 (179.70 to 180.70): V

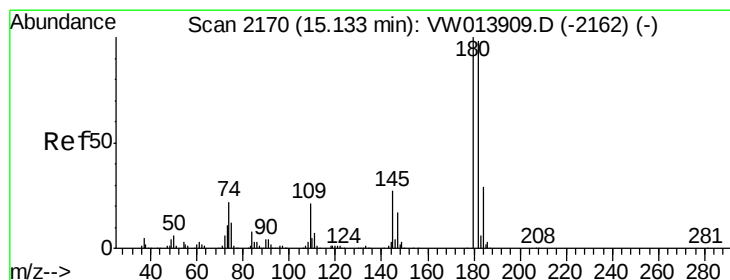
Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->



#68

1,2,4-trichlorobenzene

Concen: 25.800 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

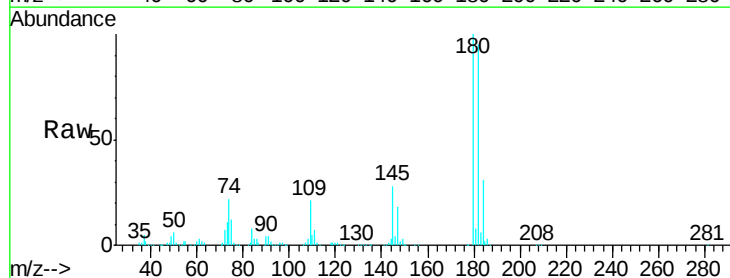
Tgt Ion:180 Resp: 186542

Ion Ratio Lower Upper

180 100

182 94.4 78.9 118.3

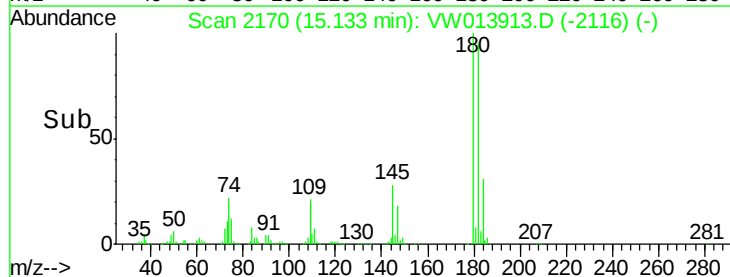
145 27.7 22.7 34.1



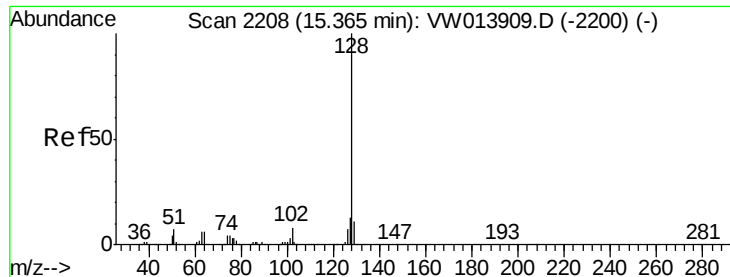
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->



#69

Naphthalene

Concen: 25.952 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

Instrument :

MSVOA_W

ClientSampled :

VSTD02517

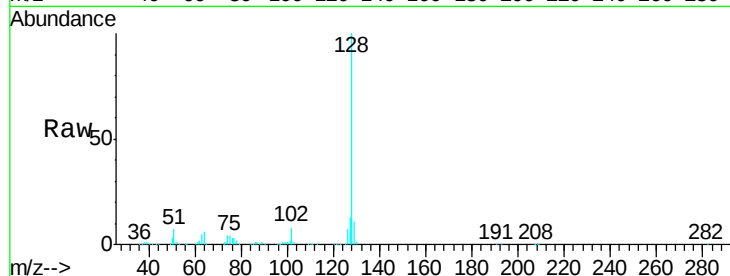
Tgt Ion:128 Resp: 355985

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

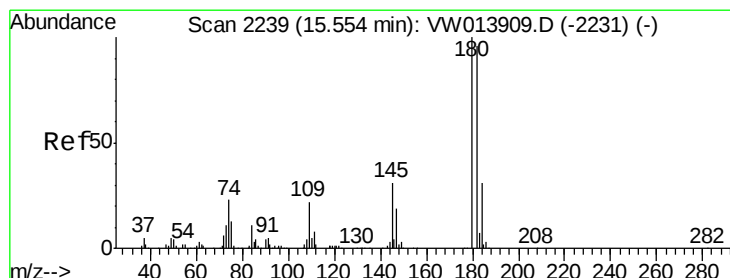
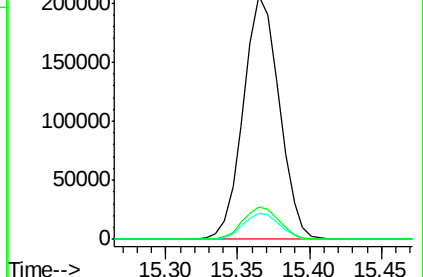
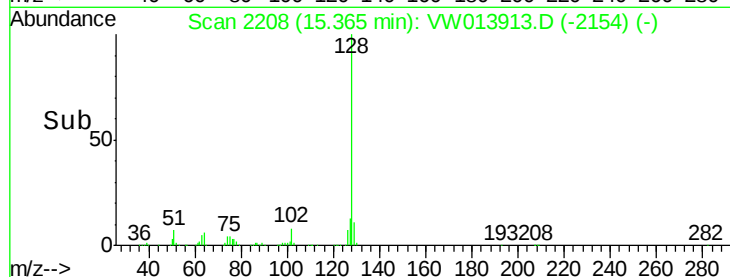
127 13.4 10.6 16.0



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: 25.092 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013913.D

Acq: 04 Nov 2019 12:39

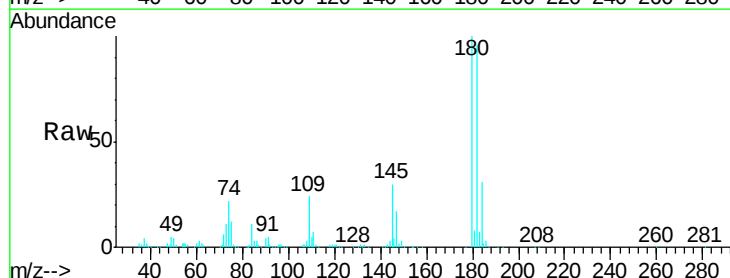
Tgt Ion:180 Resp: 167178

Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.6

145 29.8 24.0 36.0



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

