

Data File : VW014124.D
Acq On : 26 Nov 2019 09:28
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

Quant Time: Nov 27 06:13:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 26 07:45:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	305262	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	289045	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	174522	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	100647	20.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.68%
7) Chloroethane-d5	2.89	69	88704	22.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.88%
10) 1,1-Dichloroethene-d2	4.01	63	223247	22.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.32%
20) 2-Butanone-d5	7.07	46	78822	55.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.42%
24) Chloroform-d	7.64	84	234823	25.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.08%
26) 1,2-Dichloroethane-d4	8.30	65	119376	25.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.20%
29) Benzene-d6	8.27	84	466299	22.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.96%
33) 1,2-Dichloropropane-d6	9.27	67	141895	23.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.48%
37) Toluene-d8	10.32	98	431702	22.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.80%
38) trans-1,3-Dichloropropene-	10.57	79	61050	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.92%
39) 2-Hexanone-d5	10.92	63	61479	53.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121097	26.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	156579	22.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	79238	21.826 ug/L	95
3) Chloromethane	2.21	50	71936	22.308 ug/L	99
5) Vinyl chloride	2.36	62	133118	26.439 ug/L	94
6) Bromomethane	2.78	94	82591	26.495 ug/L	99
8) Chloroethane	2.92	64	80465	26.867 ug/L	95
9) Trichlorofluoromethane	3.26	101	92528	26.950 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	135957	26.819 ug/L	98
12) 1,1-Dichloroethene	4.04	96	133412	25.889 ug/L	96
13) Acetone	4.11	43	73777	51.242 ug/L	100
14) Carbon disulfide	4.38	76	367200	25.036 ug/L	99
15) Methyl Acetate	4.66	43	66083	28.368 ug/L	99
16) Methylene chloride	4.92	84	135979	23.138 ug/L	100
17) Methyl tert-butyl Ether	5.42	73	174159	26.197 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	139270	25.917 ug/L	99
19) 1,1-Dichloroethane	6.21	63	247261	27.317 ug/L	98
21) 2-Butanone	7.17	43	96894	52.382 ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	152180	26.911 ug/L	95

Data File : VW014124.D
Acq On : 26 Nov 2019 09:28
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

Quant Time: Nov 27 06:13:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 26 07:45:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	67543	27.210	ug/L	92
25) Chloroform	7.67	83	243699	27.416	ug/L	100
27) 1,2-Dichloroethane	8.40	62	155319	28.861	ug/L	96
30) Cyclohexane	7.95	56	231311	25.006	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	198435	27.394	ug/L	98
32) Carbon tetrachloride	8.06	117	189788	27.293	ug/L	100
34) Benzene	8.32	78	566540	26.722	ug/L	100
35) Trichloroethene	9.09	95	147605	26.099	ug/L	99
36) Methylcyclohexane	9.33	83	258802	25.522	ug/L	99
40) 1,2-Dichloropropane	9.37	63	138365	27.110	ug/L	100
41) Bromodichloromethane	9.64	83	175598	28.459	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	218769	27.162	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	185708	55.110	ug/L	98
44) Toluene	10.38	91	616906	26.688	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	177831	27.921	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	104510	27.869	ug/L	98
47) Tetrachloroethene	10.86	164	133060	26.396	ug/L	98
49) 2-Hexanone	10.96	43	129856	53.451	ug/L	98
50) Dibromochloromethane	11.12	129	124566	28.260	ug/L	97
51) 1,2-Dibromoethane	11.23	107	100888	27.728	ug/L	98
52) Chlorobenzene	11.66	112	384112	26.506	ug/L	98
53) Ethylbenzene	11.73	91	675003	26.611	ug/L	99
54) m,p-Xylene	11.84	106	258126	26.185	ug/L	98
55) o-xylene	12.16	106	244929	26.533	ug/L	96
56) Styrene	12.18	104	428980	27.509	ug/L	99
57) Isopropylbenzene	12.46	105	676001	26.634	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	125852	28.745	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	92029	27.949	ug/L	100
62) Bromoform	12.35	173	79379	27.754	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	307351	25.081	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	305913	25.267	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	274673	25.312	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	19593	26.513	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	234222	25.080	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	177105	24.118	ug/L	99
69) Naphthalene	15.36	128	315924	24.217	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	157386	24.286	ug/L	100

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

Data File : VW014124.D

Acq On : 26 Nov 2019 09:28

Operator : SY/VA

Sample : VSTDCCC025

Misc : 5.00G/10ML/MSVOA_W/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

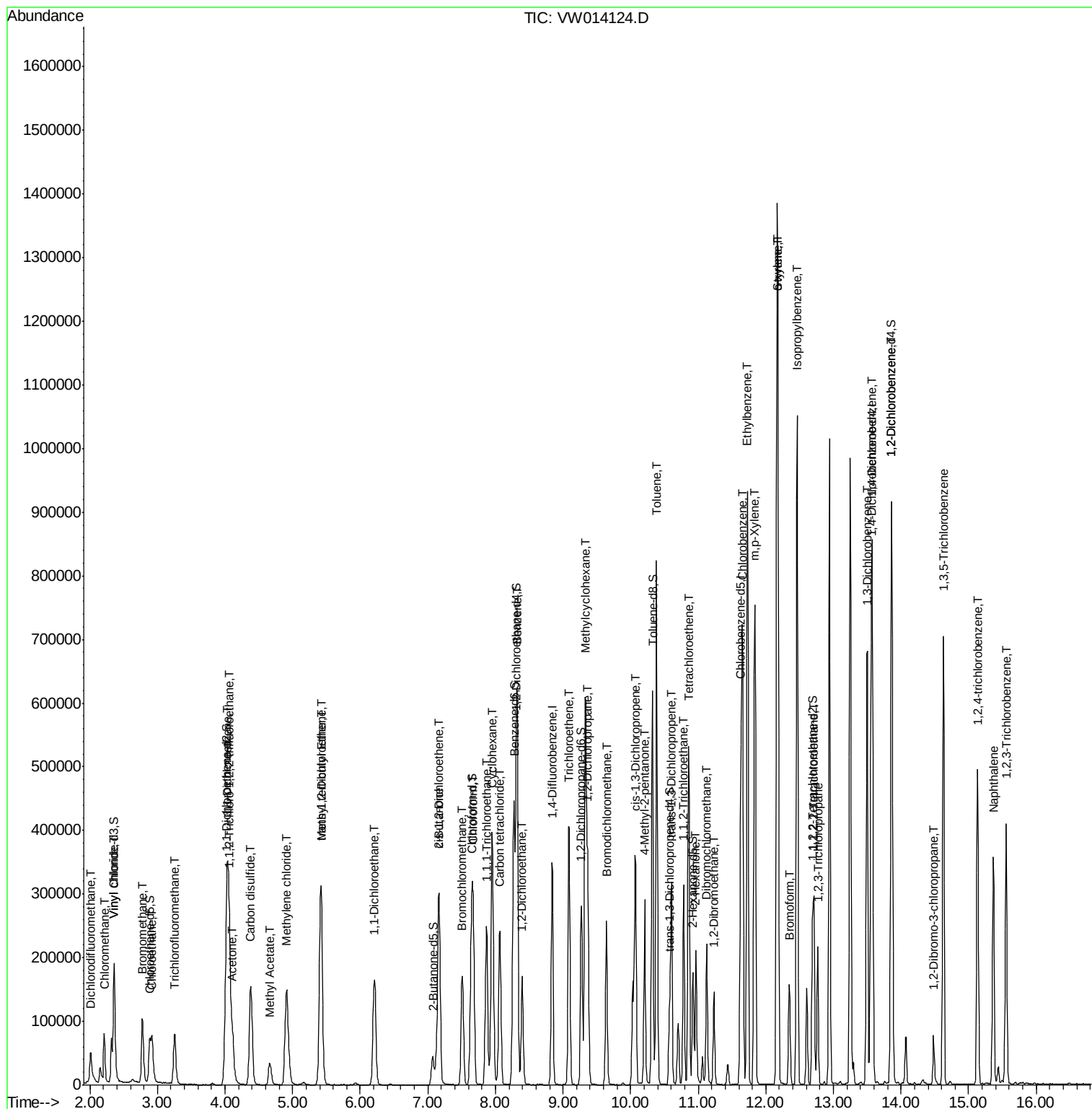
Quant Time: Nov 27 06:13:13 2019

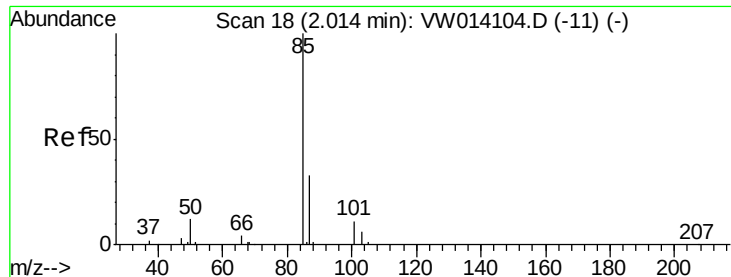
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M

Quant Title : VOC Analysis

QLast Update : Tue Nov 26 07:45:45 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 21.826 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

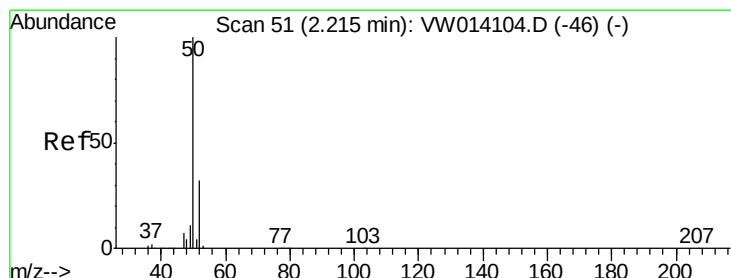
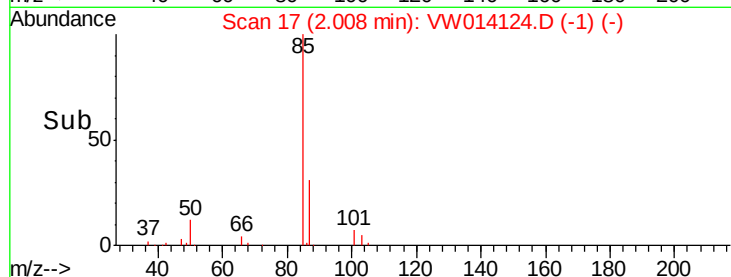
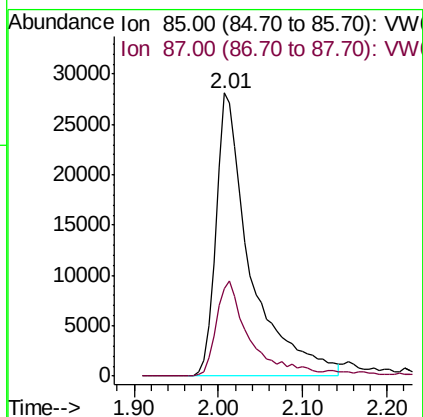
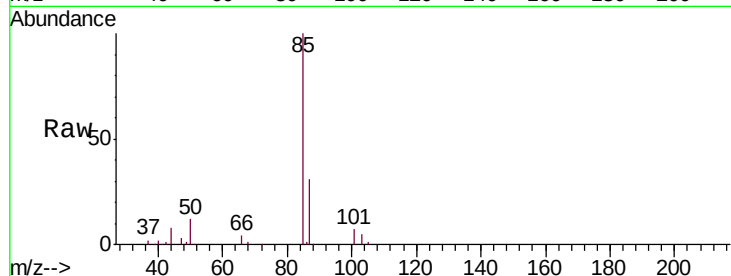
VSTD02521

Tgt Ion: 85 Resp: 79238

Ion Ratio Lower Upper

85 100

87 29.0 22.1 41.1



#3

Chloromethane

Concen: 22.308 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014124.D

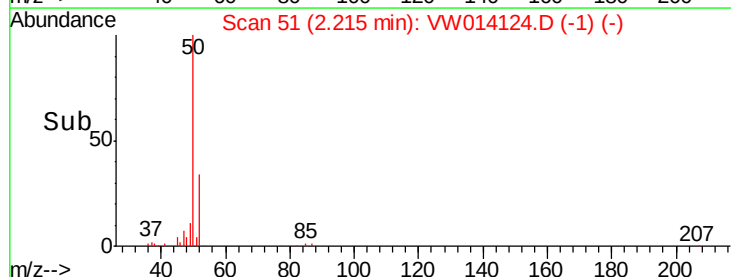
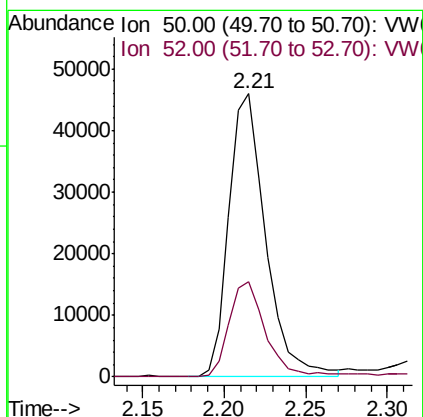
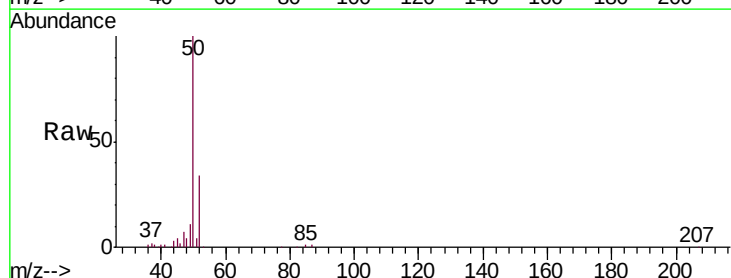
Acq: 26 Nov 2019 09:28

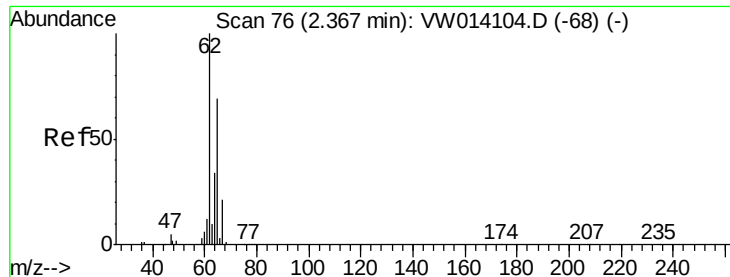
Tgt Ion: 50 Resp: 71936

Ion Ratio Lower Upper

50 100

52 33.6 23.8 44.2





#5

Vinyl chloride

Concen: 26.439 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

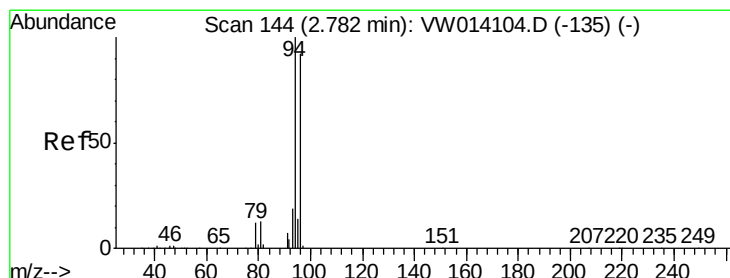
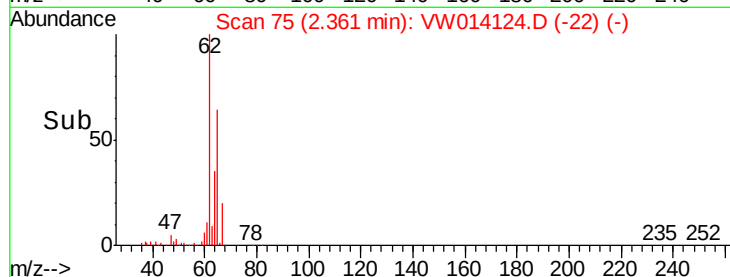
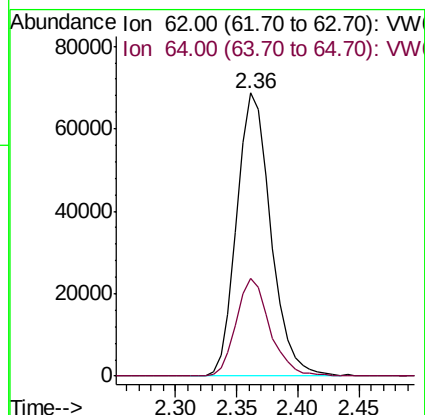
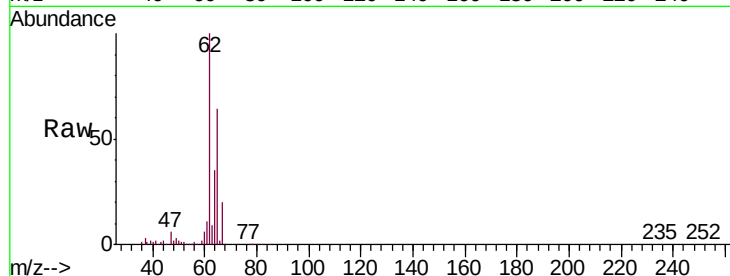
VSTD02521

Tgt Ion: 62 Resp: 133118

Ion Ratio Lower Upper

62 100

64 34.5 21.8 40.4



#6

Bromomethane

Concen: 26.495 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014124.D

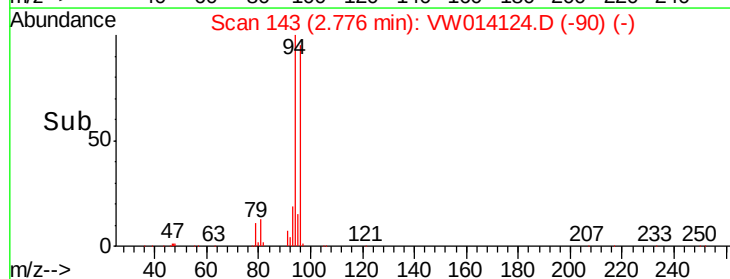
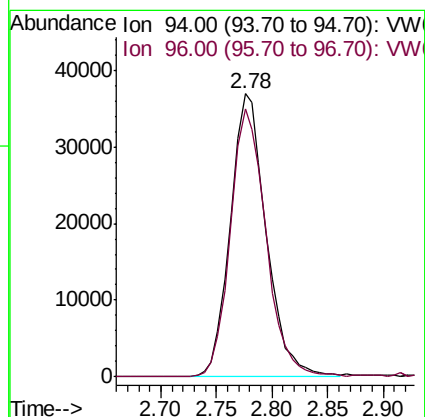
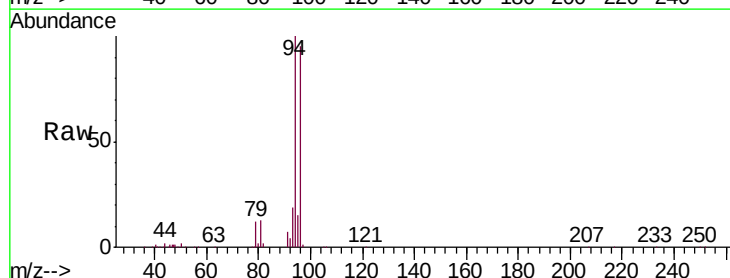
Acq: 26 Nov 2019 09:28

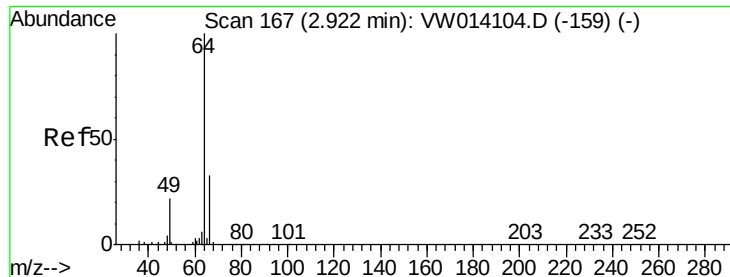
Tgt Ion: 94 Resp: 82591

Ion Ratio Lower Upper

94 100

96 93.4 9.4 178.8





#8

Chloroethane

Concen: 26.867 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

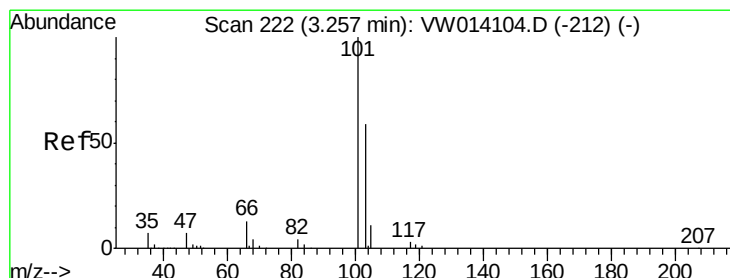
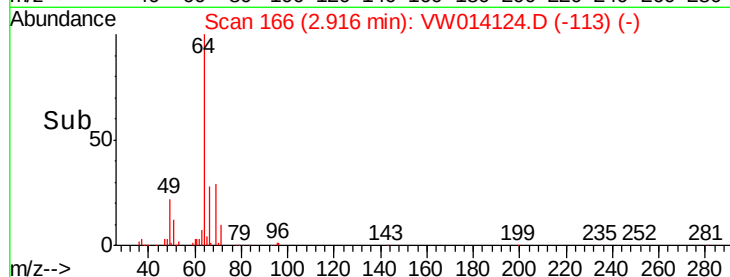
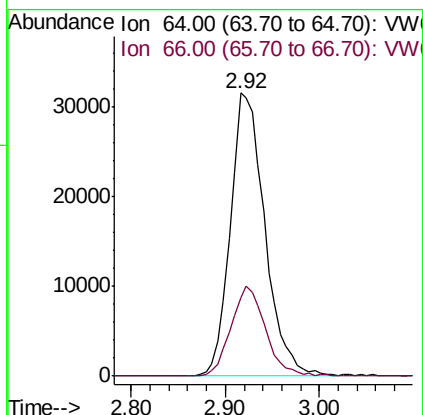
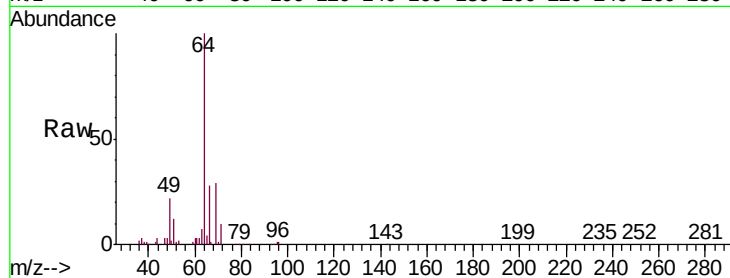
VSTD02521

Tgt Ion: 64 Resp: 80465

Ion Ratio Lower Upper

64 100

66 27.8 21.2 39.4



#9

Trichlorofluoromethane

Concen: 26.950 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014124.D

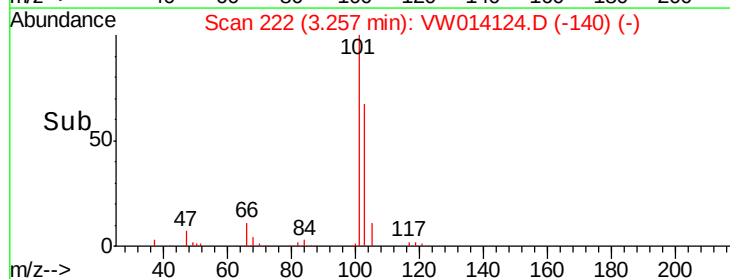
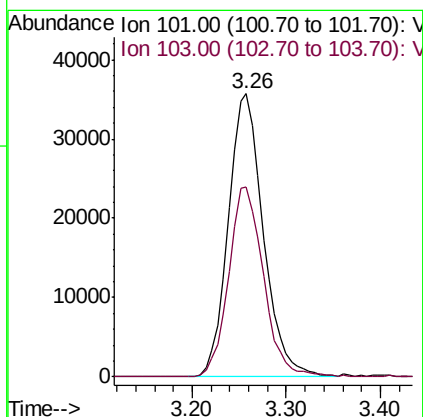
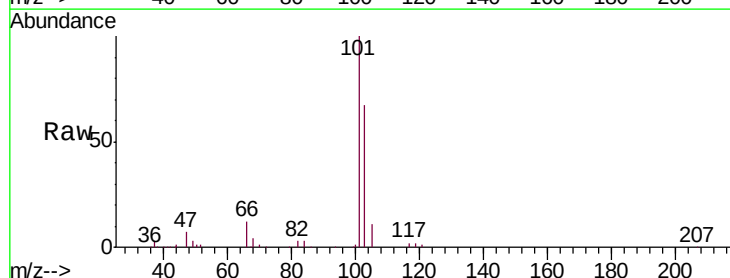
Acq: 26 Nov 2019 09:28

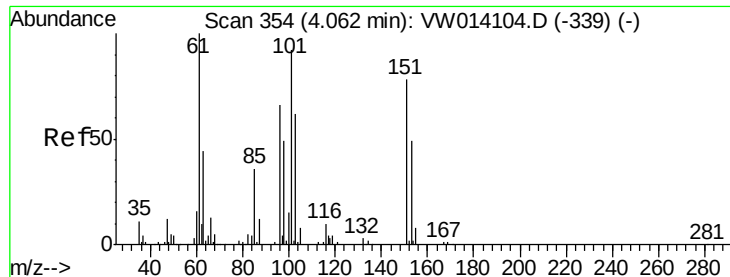
Tgt Ion: 101 Resp: 92528

Ion Ratio Lower Upper

101 100

103 66.7 45.4 84.2





#11

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

Concen: 26.819 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

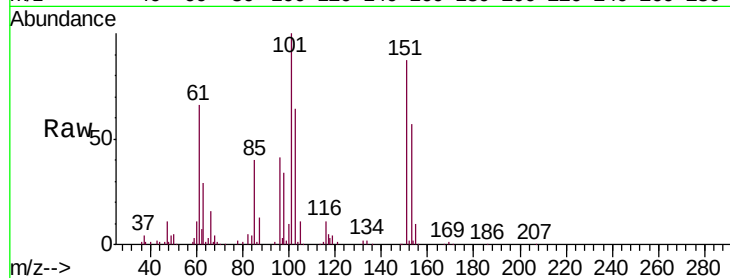
Tgt Ion:101 Resp: 135957

Ion Ratio Lower Upper

101 100

85 41.0 31.4 47.2

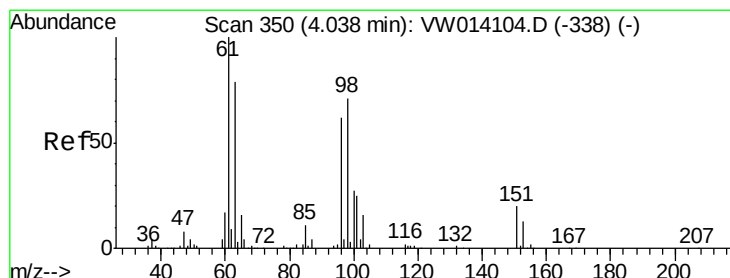
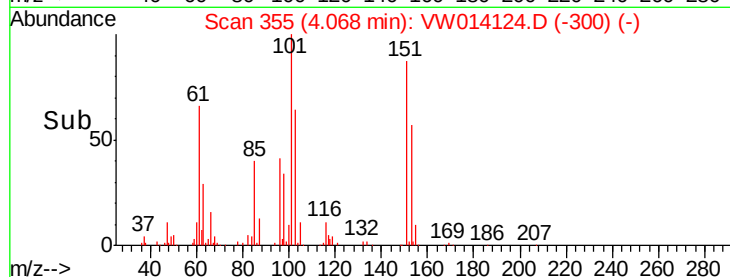
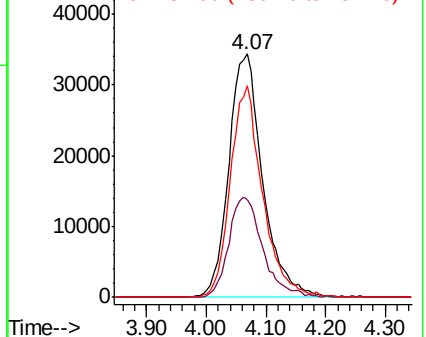
151 82.0 66.9 100.3



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: 25.889 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

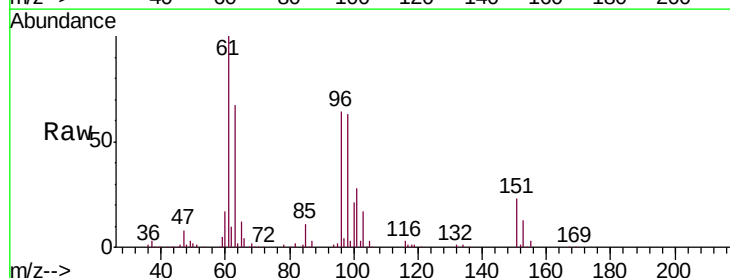
Tgt Ion: 96 Resp: 133412

Ion Ratio Lower Upper

96 100

61 156.4 109.8 204.0

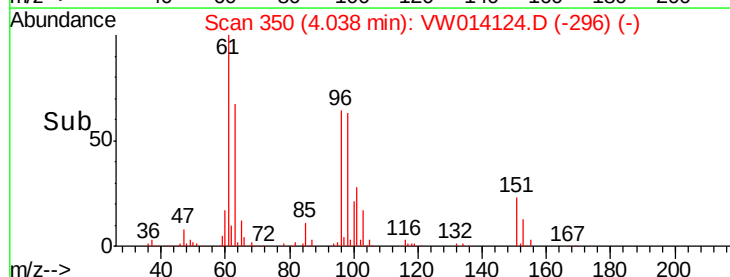
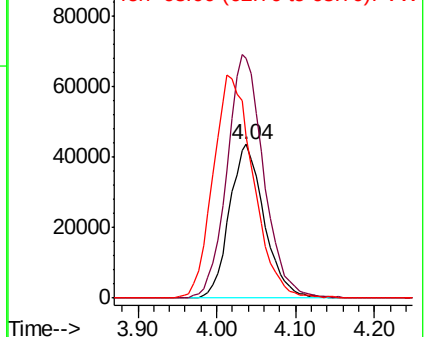
63 105.0 80.7 149.9

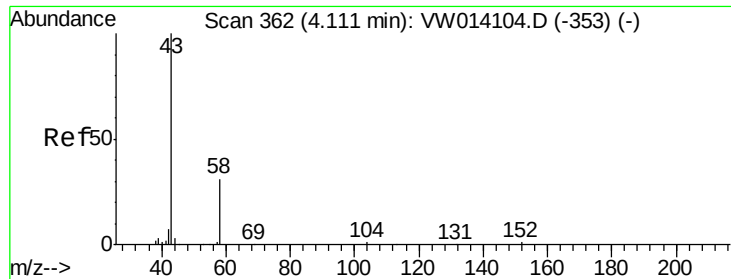


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.242 ug/L

RT: 4.11 min Scan# 362

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampled :

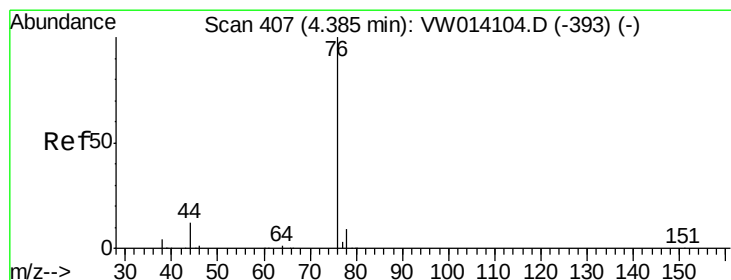
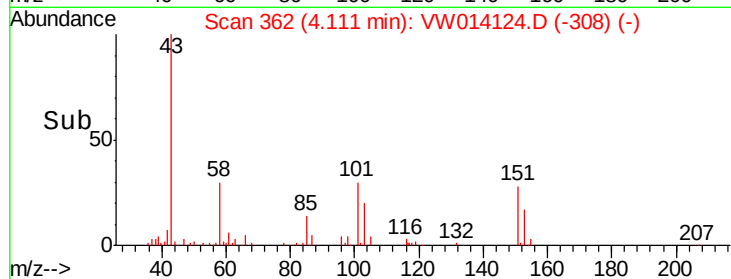
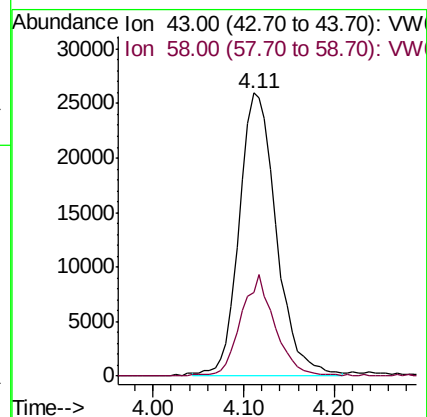
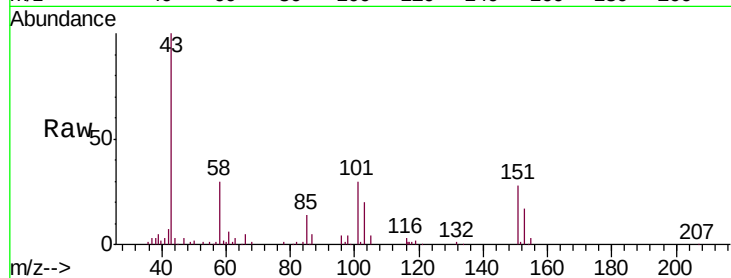
VSTD02521

Tgt Ion: 43 Resp: 73777

Ion Ratio Lower Upper

43 100

58 32.7 0.0 65.4



#14

Carbon disulfide

Concen: 25.036 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014124.D

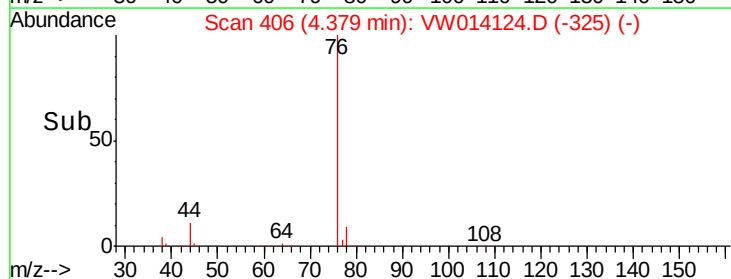
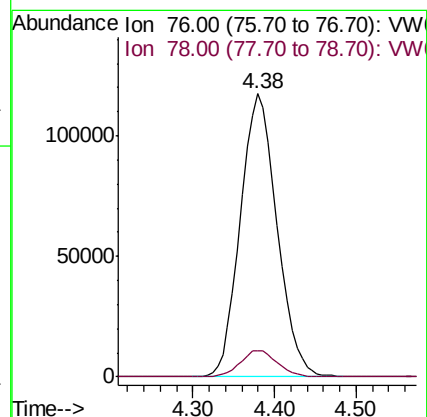
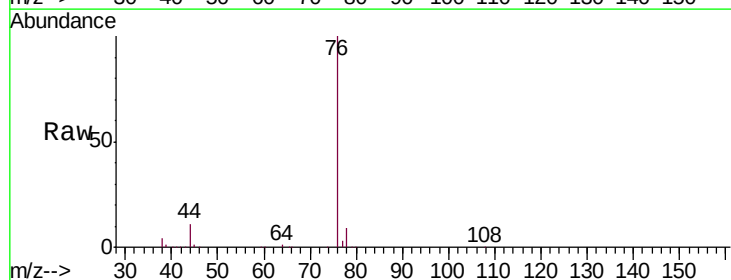
Acq: 26 Nov 2019 09:28

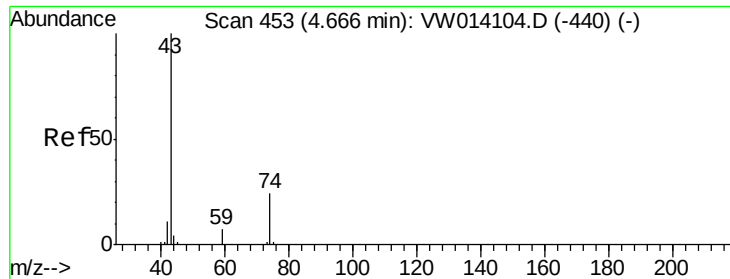
Tgt Ion: 76 Resp: 367200

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 28.368 ug/L

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

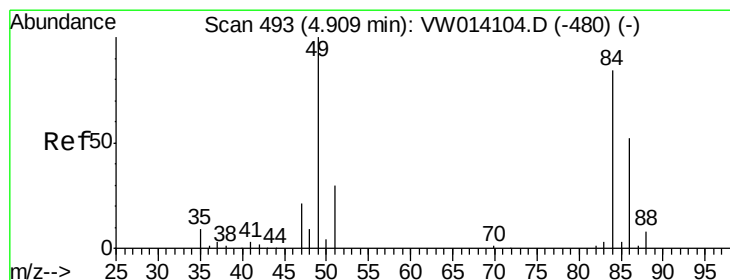
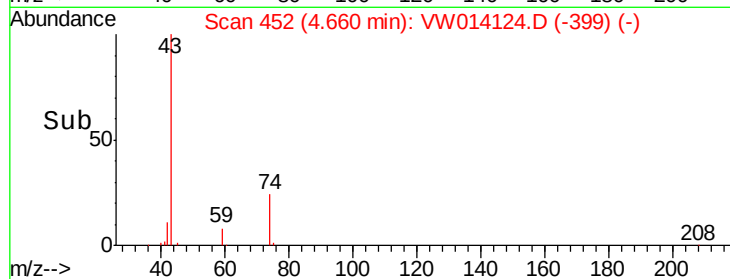
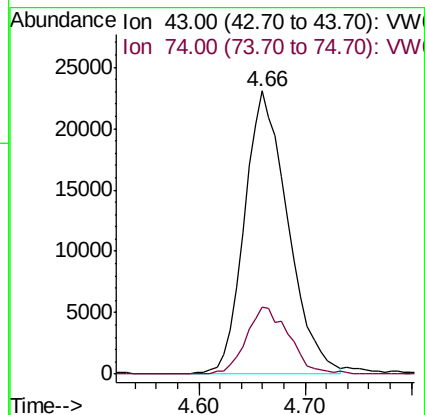
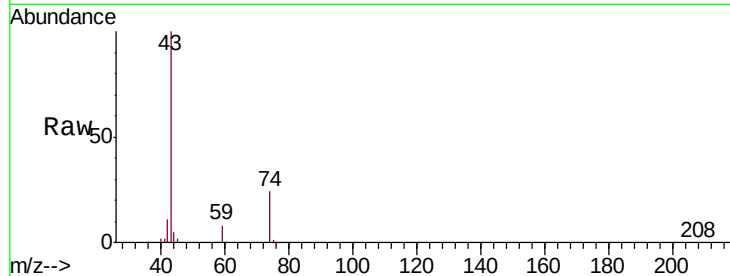
VSTD02521

Tgt Ion: 43 Resp: 66083

Ion Ratio Lower Upper

43 100

74 23.6 19.3 28.9



#16

Methylene chloride

Concen: 23.138 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

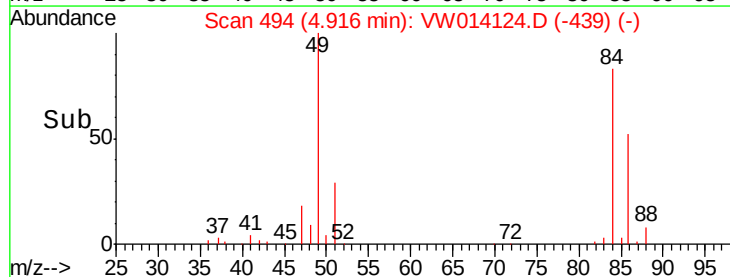
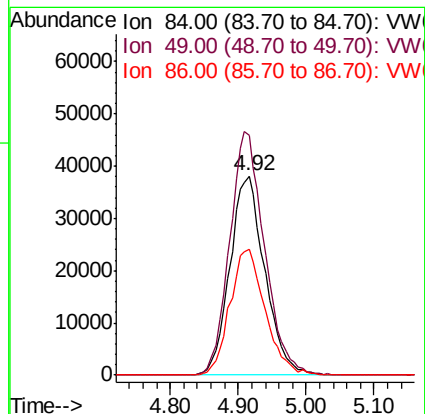
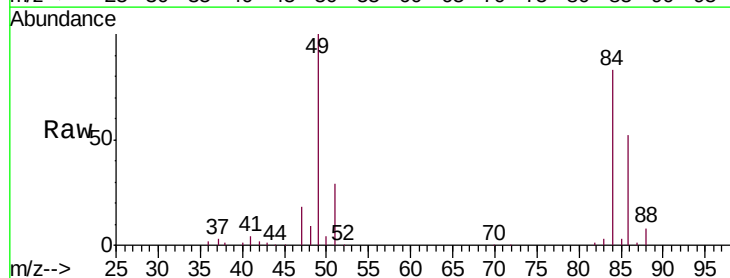
Tgt Ion: 84 Resp: 135979

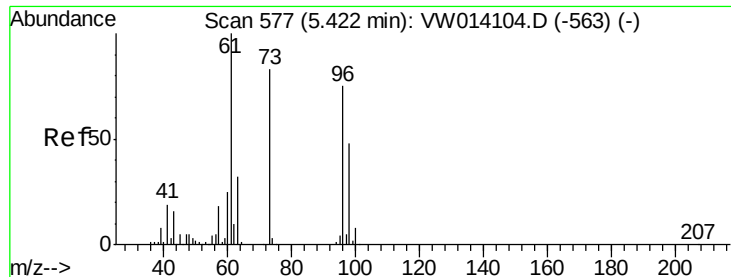
Ion Ratio Lower Upper

84 100

49 120.1 84.2 156.4

86 62.8 43.7 81.1

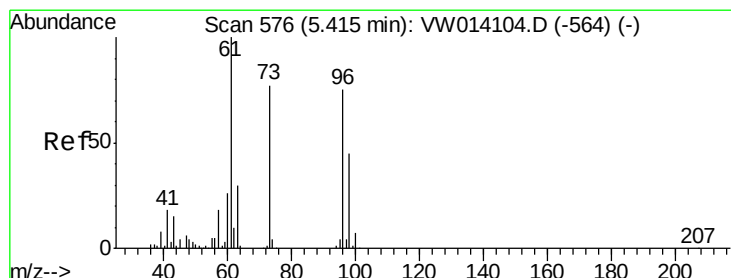
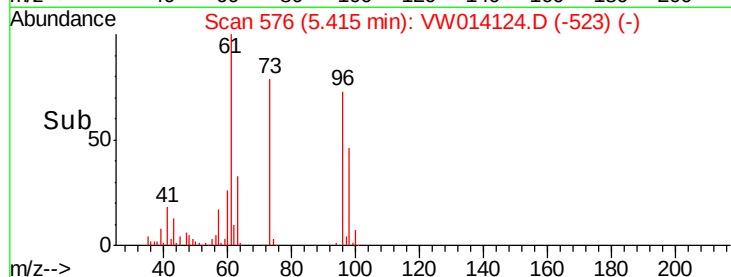
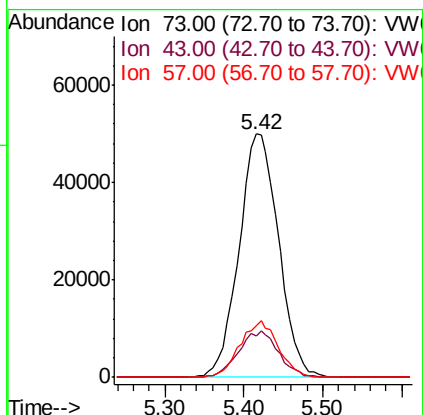
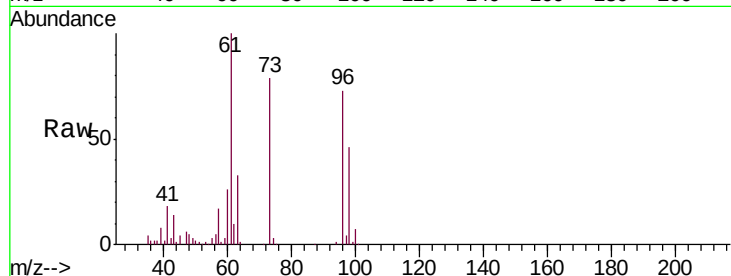




#17
Methyl tert-butyl Ether
Concen: 26.197 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014124.D
Acq: 26 Nov 2019 09:28

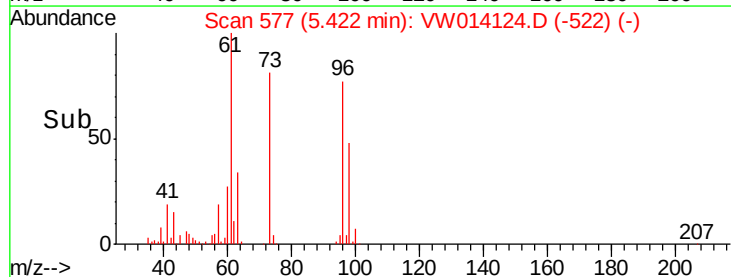
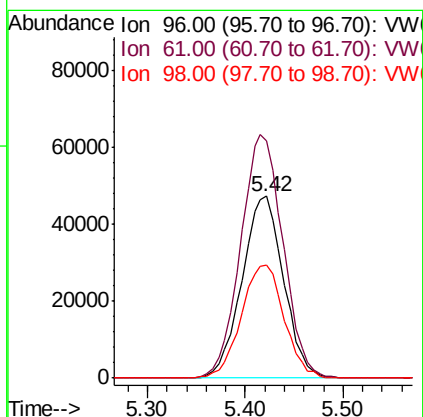
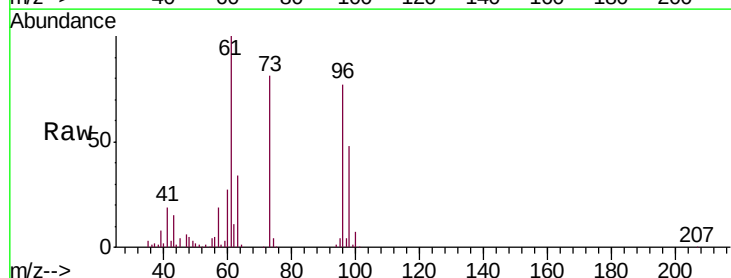
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

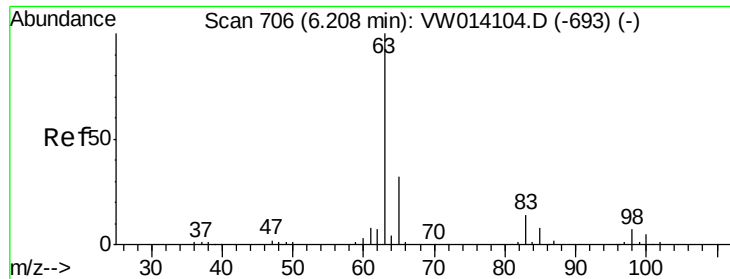
Tgt Ion: 73 Resp: 174159
Ion Ratio Lower Upper
73 100
43 19.2 15.5 23.3
57 22.4 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 25.917 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014124.D
Acq: 26 Nov 2019 09:28

Tgt Ion: 96 Resp: 139270
Ion Ratio Lower Upper
96 100
61 130.0 90.6 168.2
98 61.9 42.9 79.7

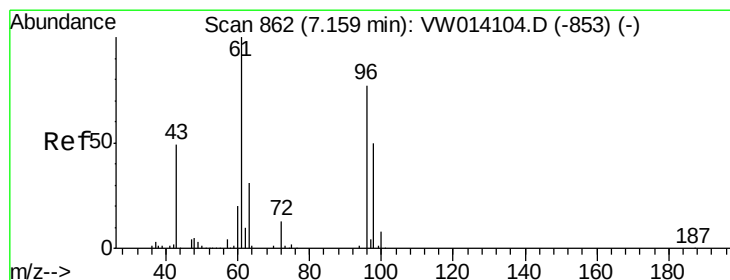
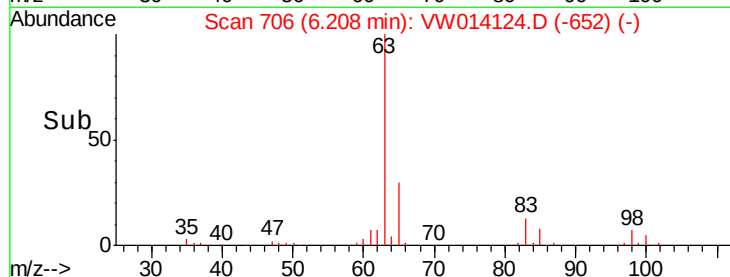
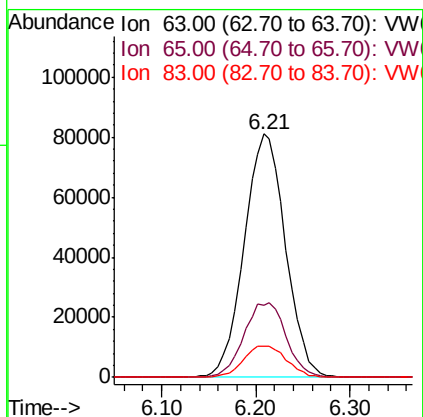
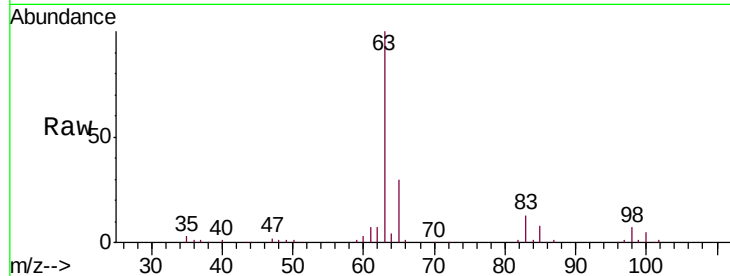




#19
 1,1-Dichloroethane
 Concen: 27.317 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW014124.D
 Acq: 26 Nov 2019 09:28

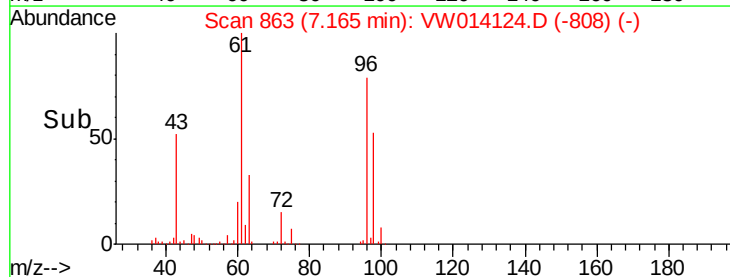
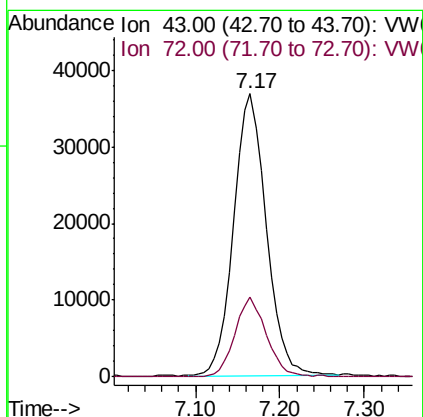
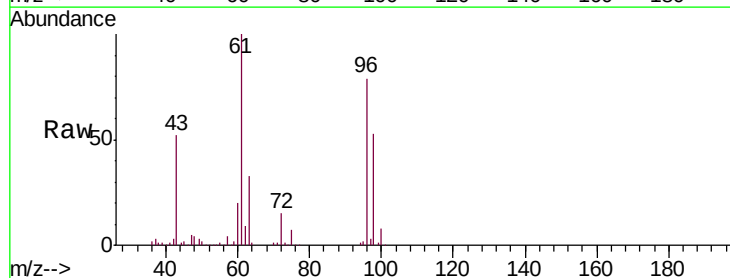
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

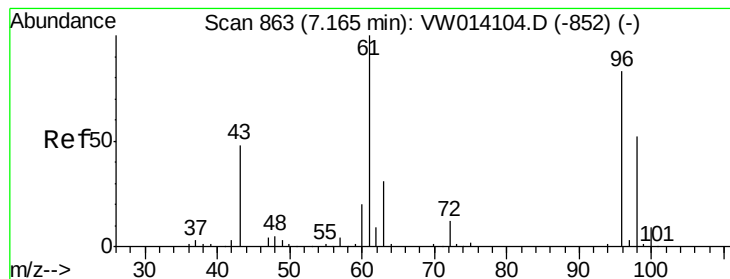
Tgt Ion: 63 Resp: 247261
 Ion Ratio Lower Upper
 63 100
 65 29.7 22.1 41.1
 83 12.7 9.0 16.6



#21
 2-Butanone
 Concen: 52.382 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW014124.D
 Acq: 26 Nov 2019 09:28

Tgt Ion: 43 Resp: 96894
 Ion Ratio Lower Upper
 43 100
 72 27.2 14.1 42.2



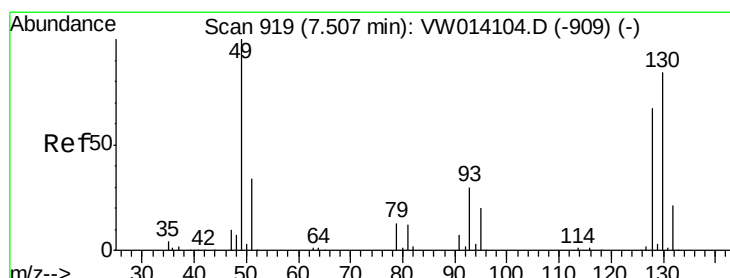
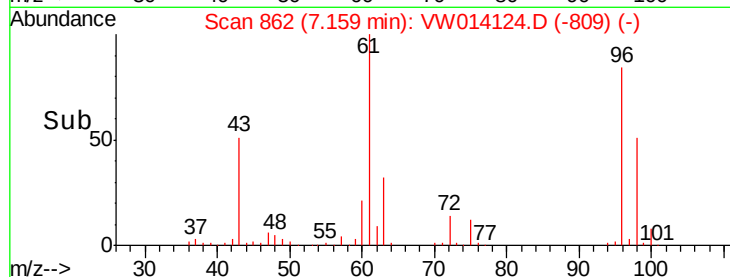
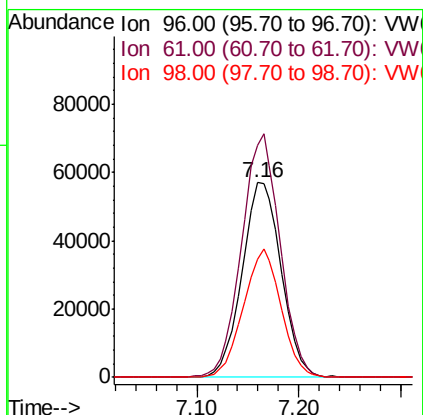
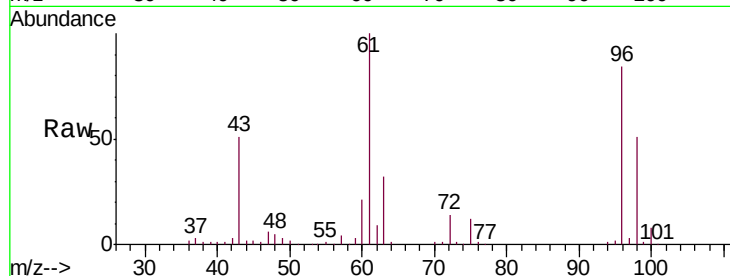


#22

cis-1,2-Dichloroethene
 Concen: 26.911 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW014124.D
 Acq: 26 Nov 2019 09:28

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02521

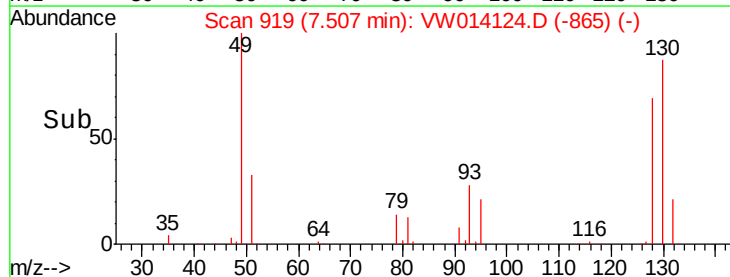
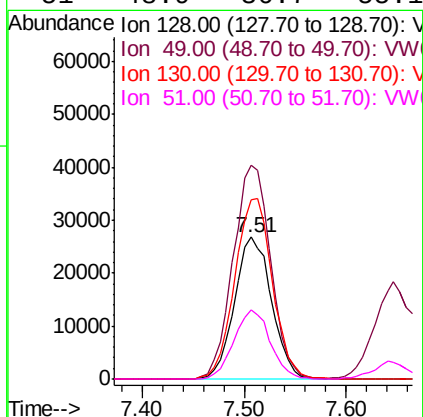
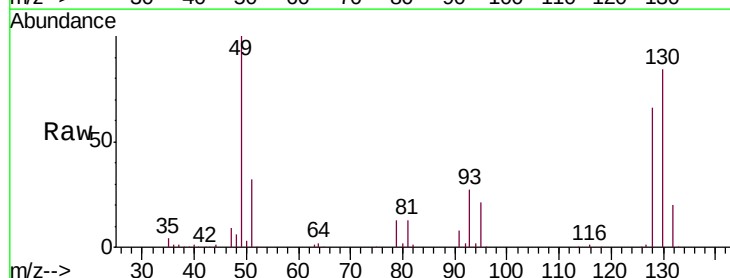
Tgt Ion: 96 Resp: 152180
 Ion Ratio Lower Upper
 96 100
 61 119.0 86.9 161.5
 98 60.4 45.5 84.5

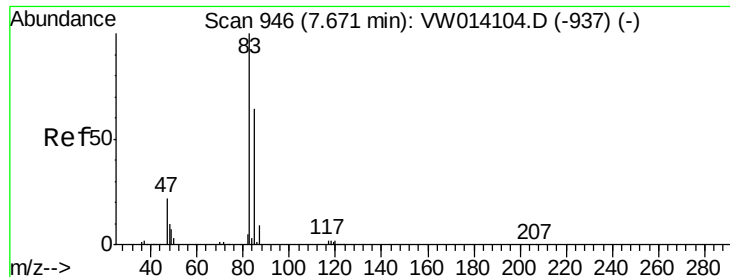


#23

Bromochloromethane
 Concen: 27.210 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW014124.D
 Acq: 26 Nov 2019 09:28

Tgt Ion: 128 Resp: 67543
 Ion Ratio Lower Upper
 128 100
 49 150.9 95.1 176.5
 130 126.7 85.0 158.0
 51 48.9 36.7 55.1

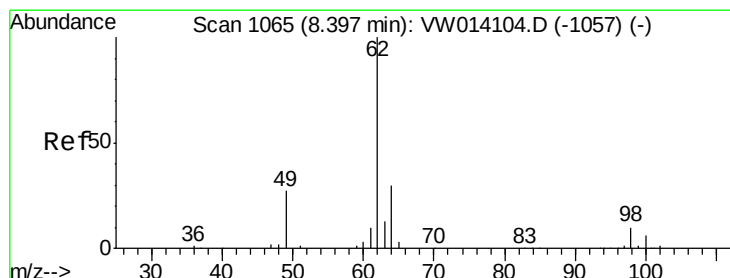
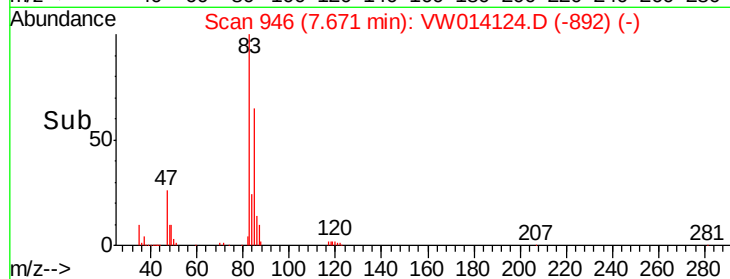
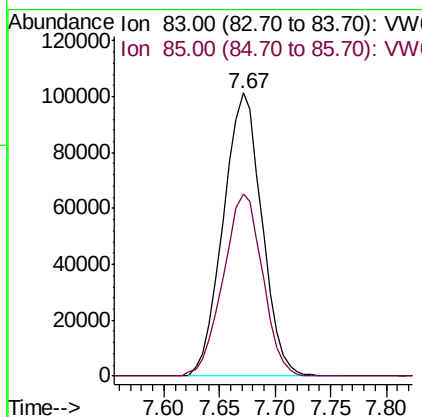
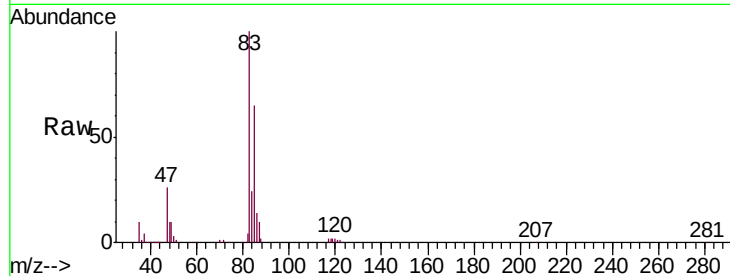




#25
Chloroform
Concen: 27.416 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014124.D
Acq: 26 Nov 2019 09:28

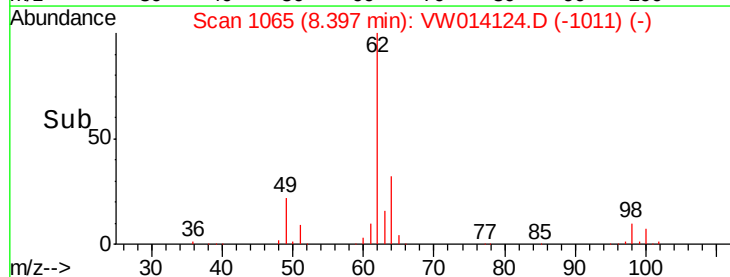
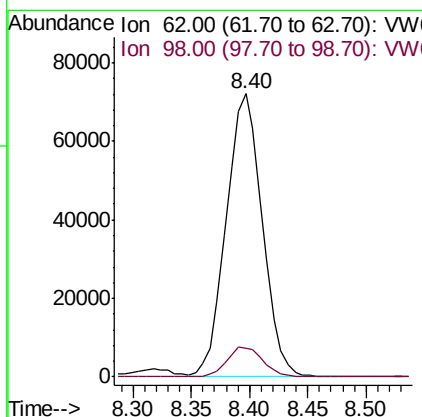
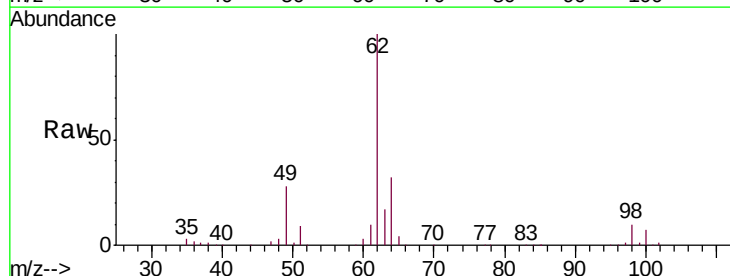
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

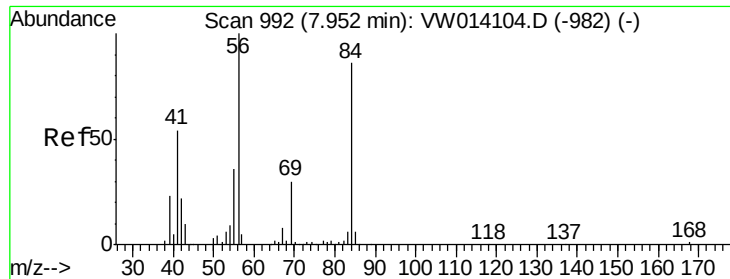
Tgt Ion: 83 Resp: 243699
Ion Ratio Lower Upper
83 100
85 65.8 46.1 85.7



#27
1,2-Dichloroethane
Concen: 28.861 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014124.D
Acq: 26 Nov 2019 09:28

Tgt Ion: 62 Resp: 155319
Ion Ratio Lower Upper
62 100
98 10.2 9.3 13.9

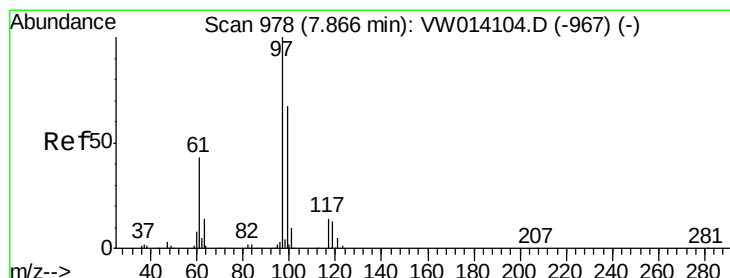
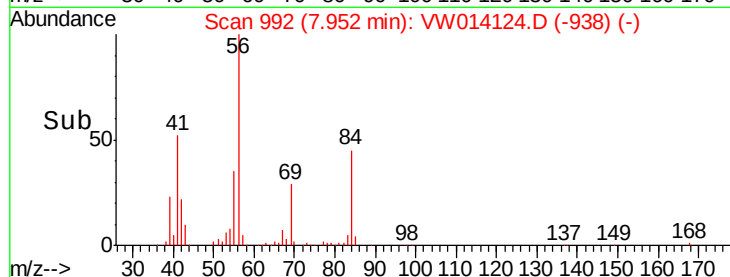
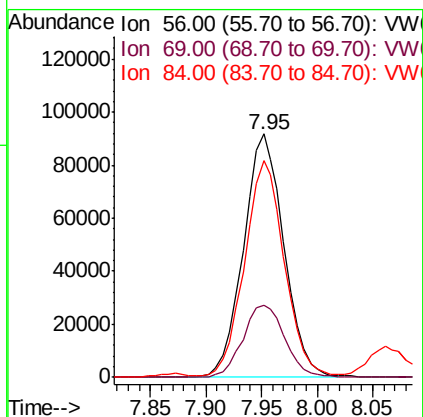
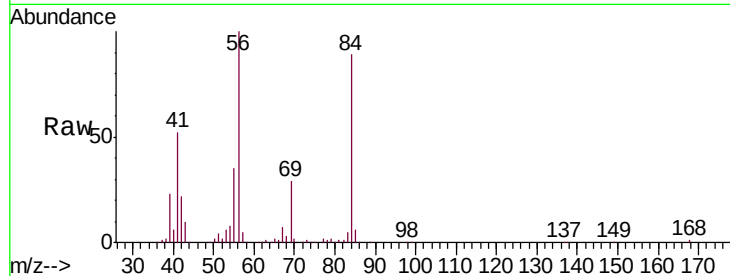




#30
Cyclohexane
Concen: 25.006 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014124.D
Acq: 26 Nov 2019 09:28

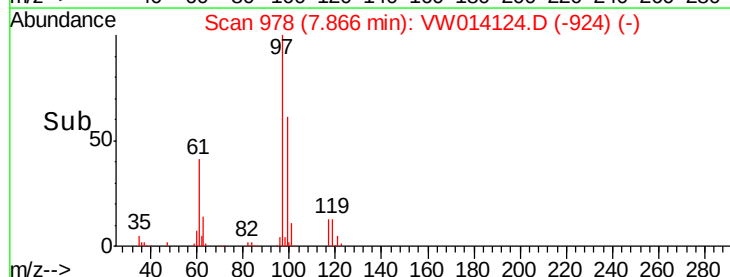
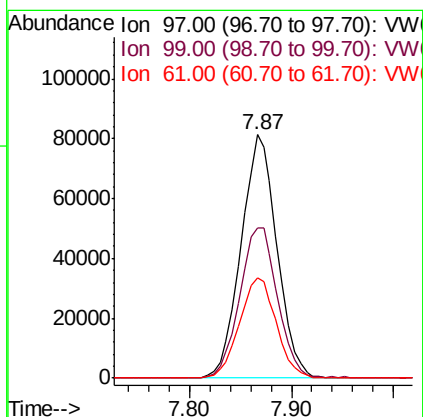
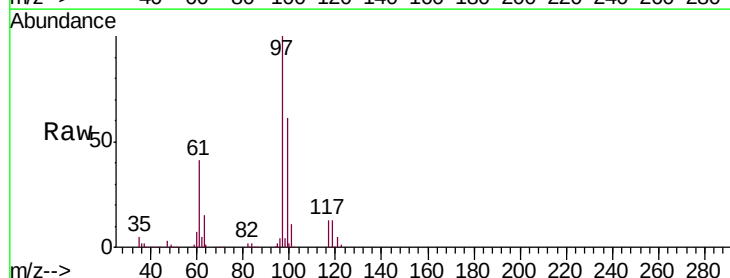
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

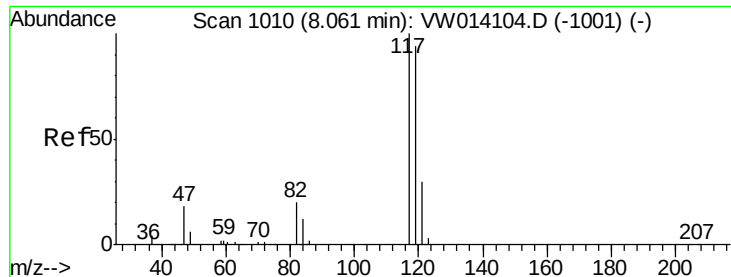
Tgt Ion: 56 Resp: 231311
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 88.3 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 27.394 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW014124.D
Acq: 26 Nov 2019 09:28

Tgt Ion: 97 Resp: 198435
Ion Ratio Lower Upper
97 100
99 65.0 51.1 76.7
61 42.2 32.8 49.2





#32

Carbon tetrachloride

Concen: 27.293 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

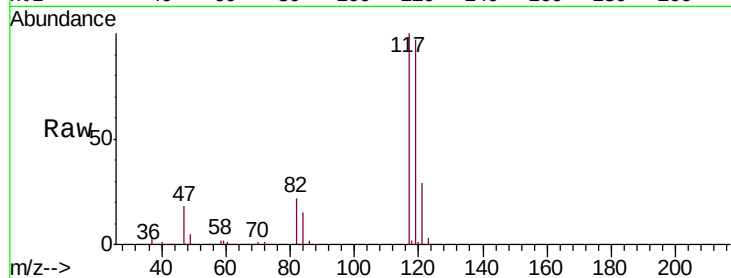
VSTD02521

Tgt Ion:117 Resp: 189788

Ion Ratio Lower Upper

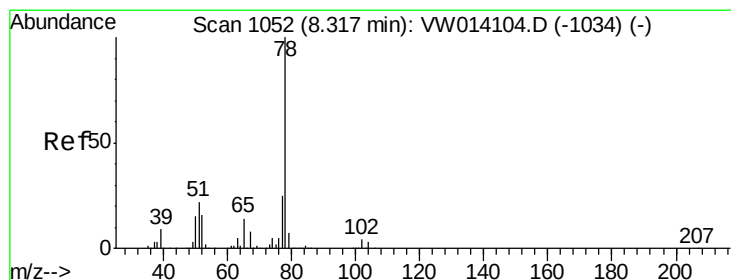
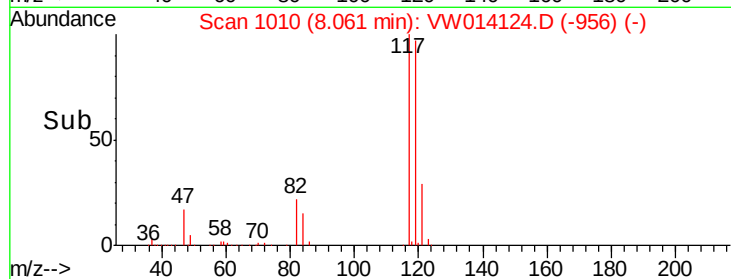
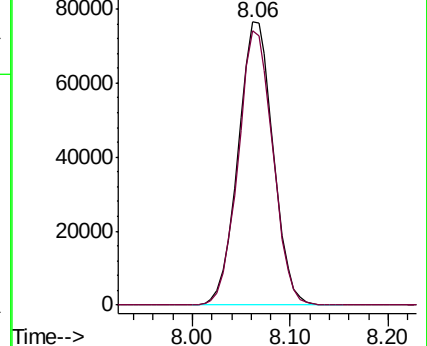
117 100

119 95.9 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.722 ug/L

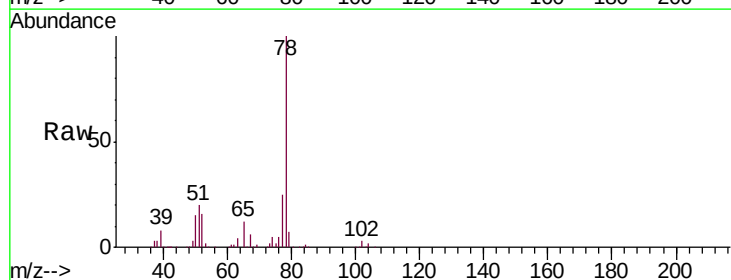
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

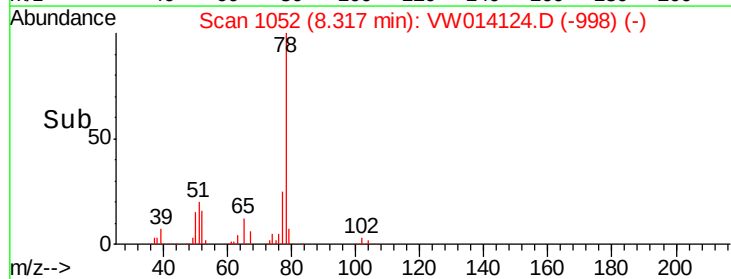
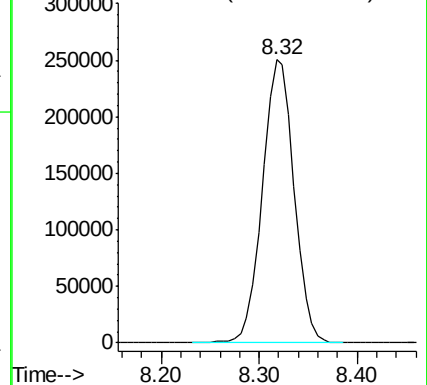
Lab File: VW014124.D

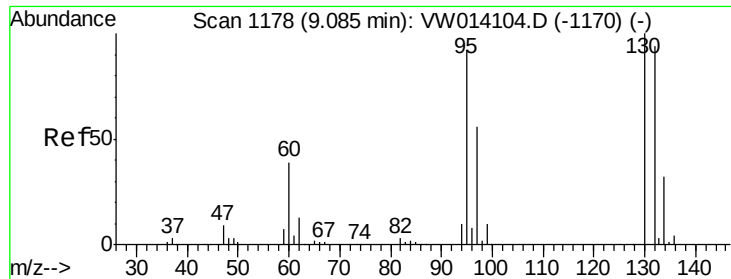
Acq: 26 Nov 2019 09:28

Tgt Ion: 78 Resp: 566540



Abundance Ion 78.00 (77.70 to 78.70): VW

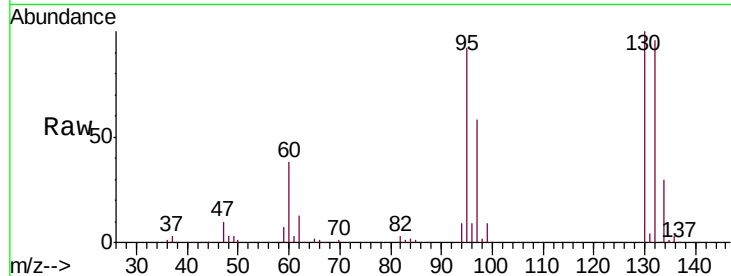




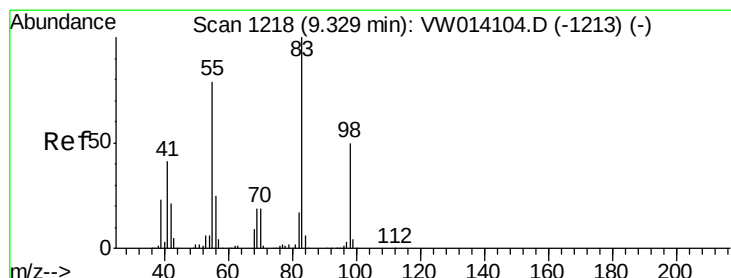
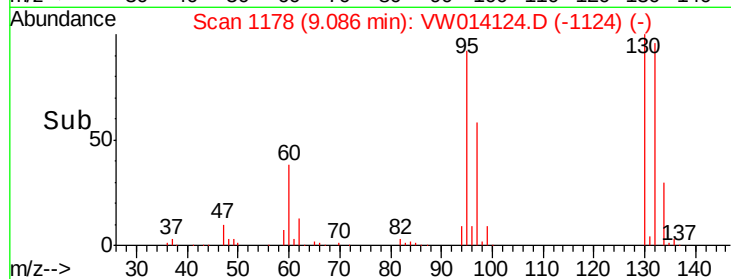
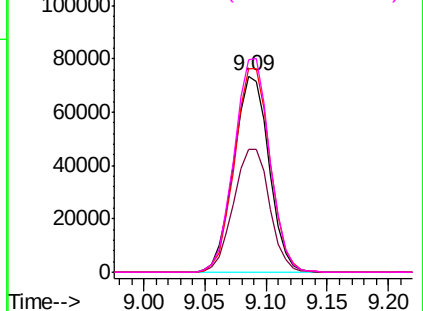
#35
 Trichloroethene
 Concen: 26.099 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014124.D
 Acq: 26 Nov 2019 09:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tgt Ion: 95 Resp: 147605
 Ion Ratio Lower Upper
 95 100
 97 64.1 45.1 83.9
 132 104.0 73.7 136.9
 130 109.2 76.6 142.2

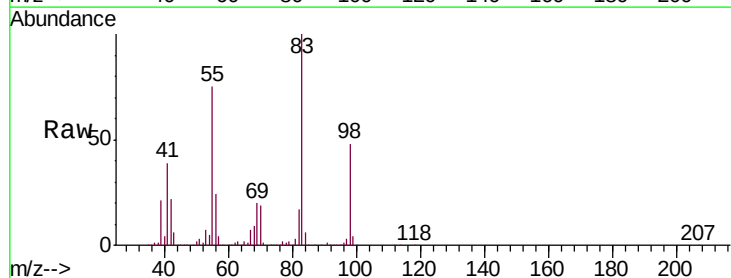


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

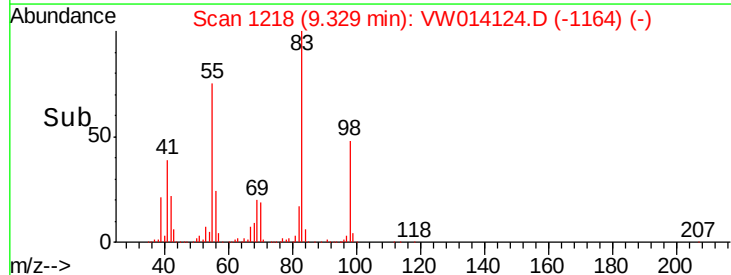
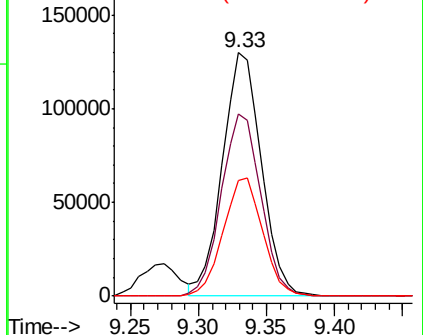


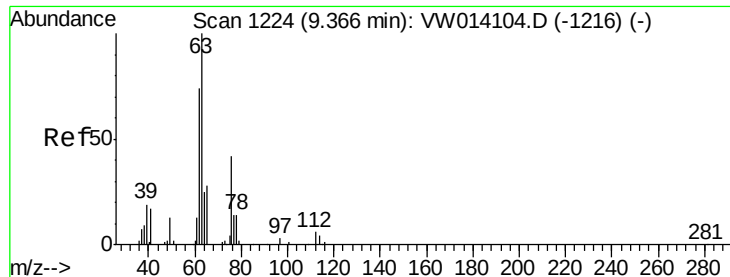
#36
 Methylcyclohexane
 Concen: 25.522 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW014124.D
 Acq: 26 Nov 2019 09:28

Tgt Ion: 83 Resp: 258802
 Ion Ratio Lower Upper
 83 100
 55 76.0 59.8 89.8
 98 49.3 39.5 59.3



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

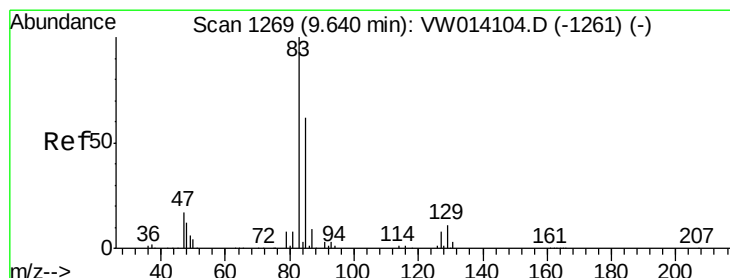
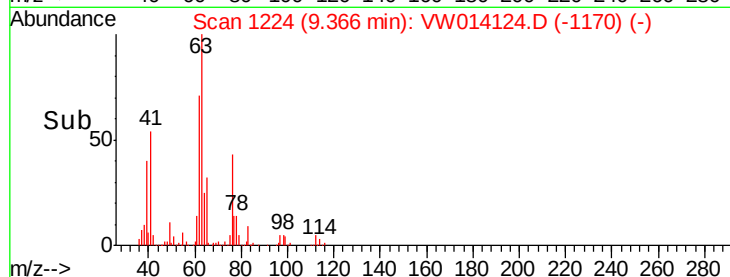
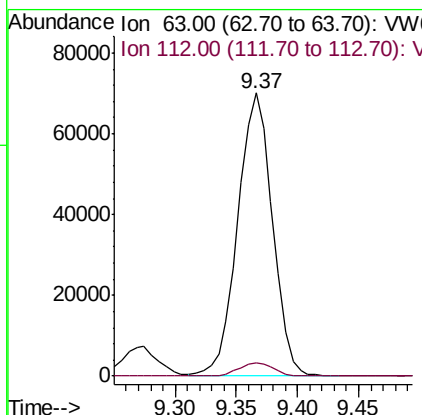
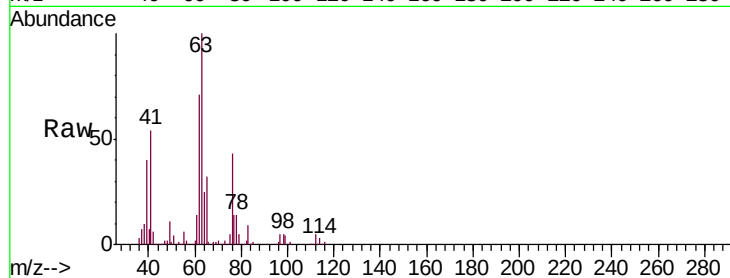




#40
 1,2-Dichloropropane
 Concen: 27.110 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014124.D
 Acq: 26 Nov 2019 09:28

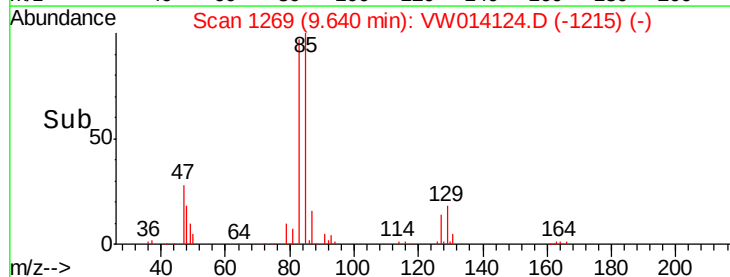
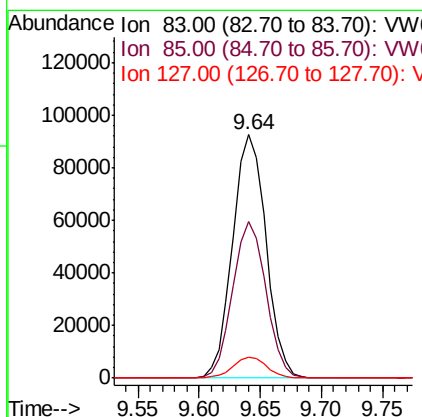
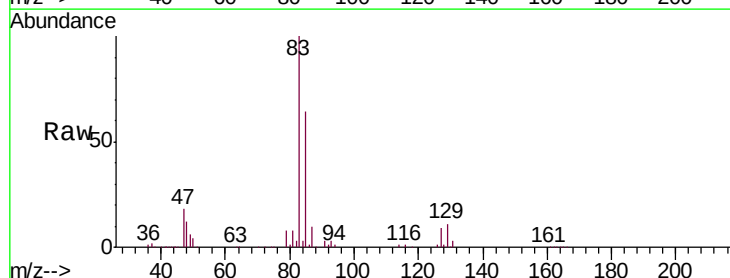
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

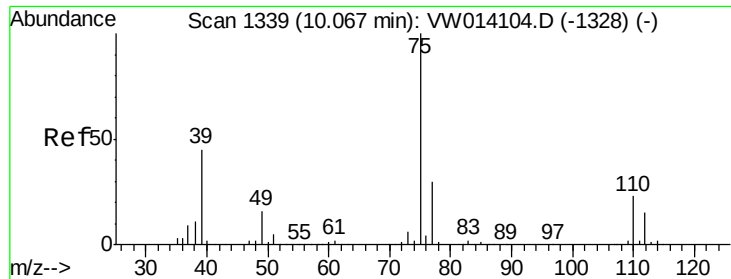
Tgt Ion: 63 Resp: 138365
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.9 5.9



#41
 Bromodichloromethane
 Concen: 28.459 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014124.D
 Acq: 26 Nov 2019 09:28

Tgt Ion: 83 Resp: 175598
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.1 83.7
 127 8.7 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 27.162 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

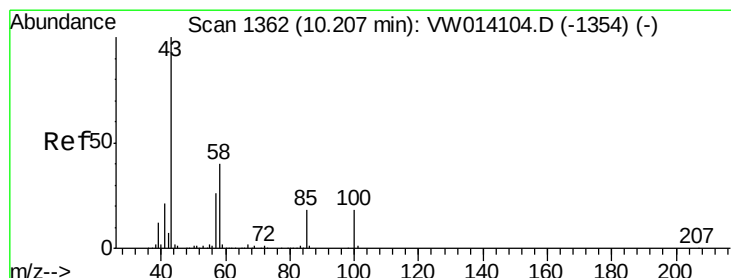
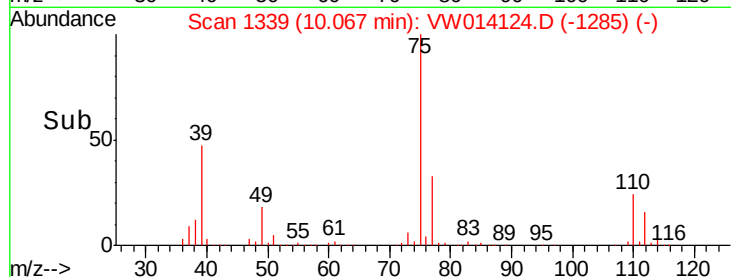
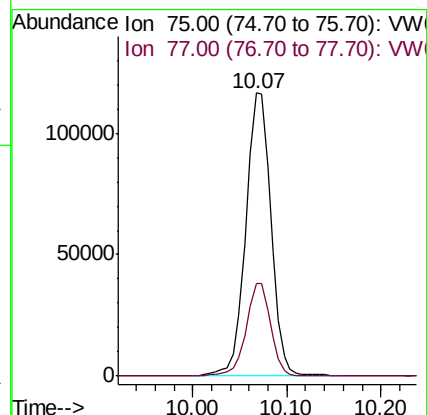
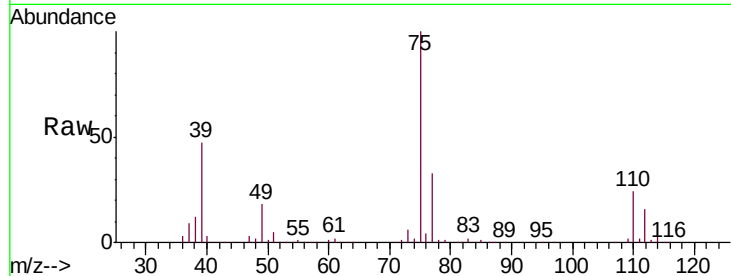
VSTD02521

Tgt Ion: 75 Resp: 218769

Ion Ratio Lower Upper

75 100

77 32.8 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 55.110 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

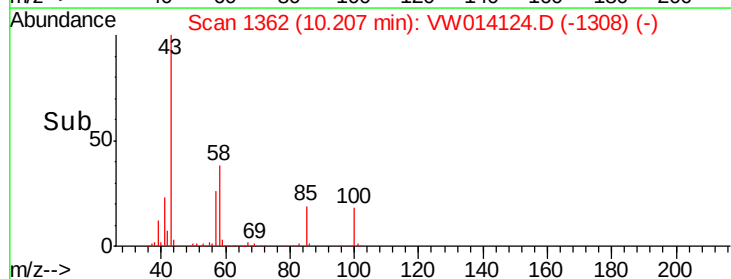
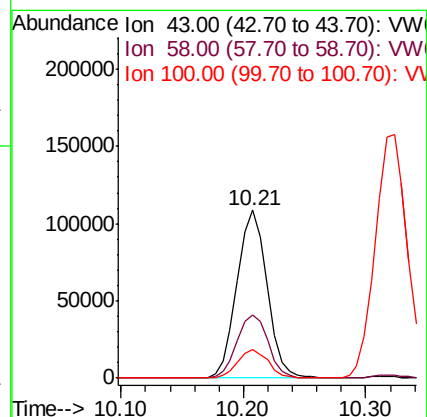
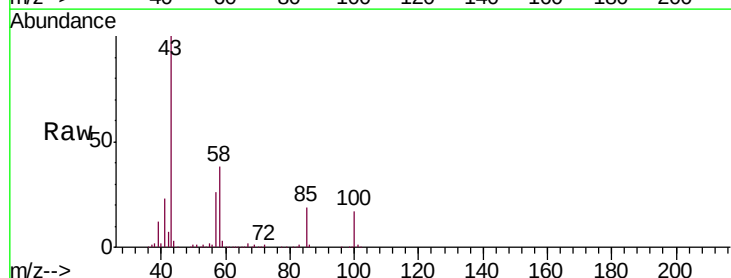
Tgt Ion: 43 Resp: 185708

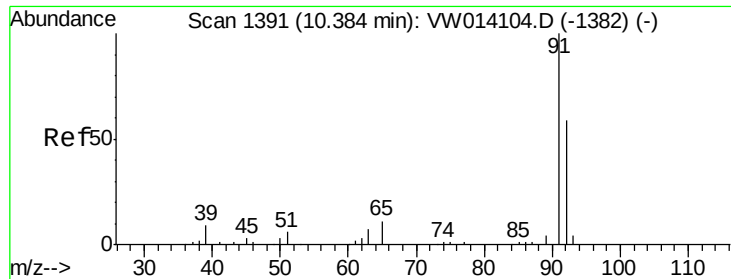
Ion Ratio Lower Upper

43 100

58 39.2 32.6 49.0

100 17.2 13.8 20.8





#44

Toluene

Concen: 26.688 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

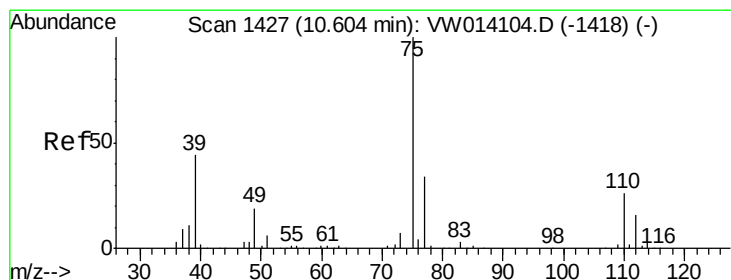
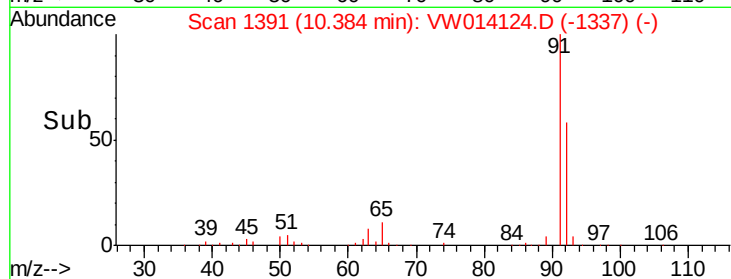
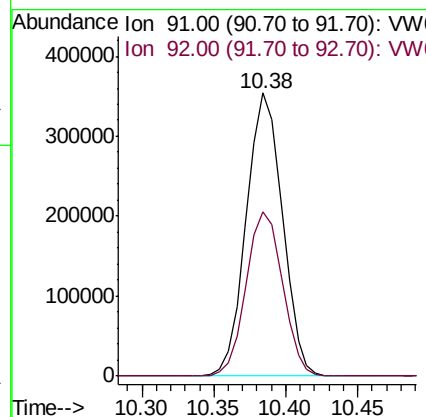
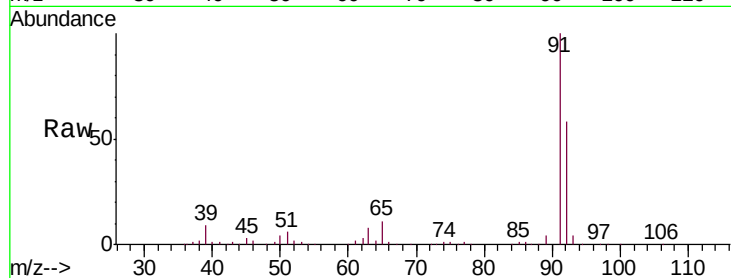
VSTD02521

Tgt Ion: 91 Resp: 616906

Ion Ratio Lower Upper

91 100

92 58.3 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 27.921 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014124.D

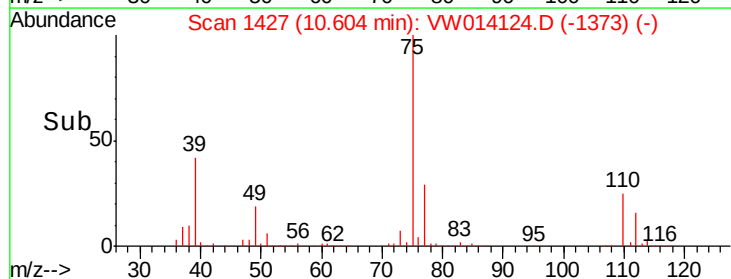
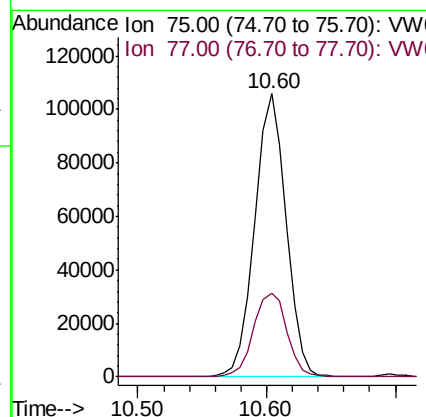
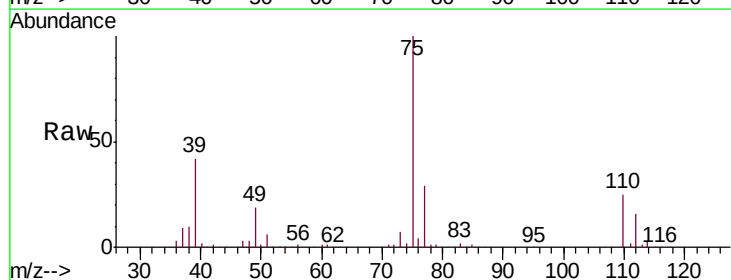
Acq: 26 Nov 2019 09:28

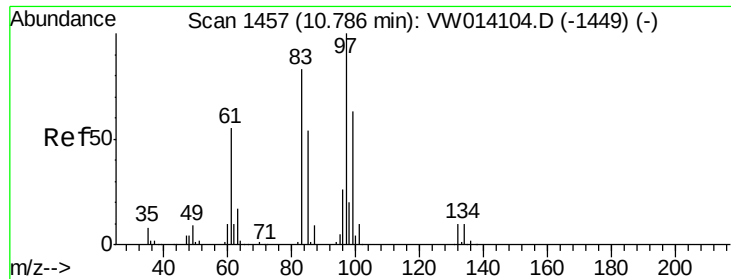
Tgt Ion: 75 Resp: 177831

Ion Ratio Lower Upper

75 100

77 29.4 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 27.869 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampled :

VSTD02521

Tgt Ion: 97 Resp: 104510

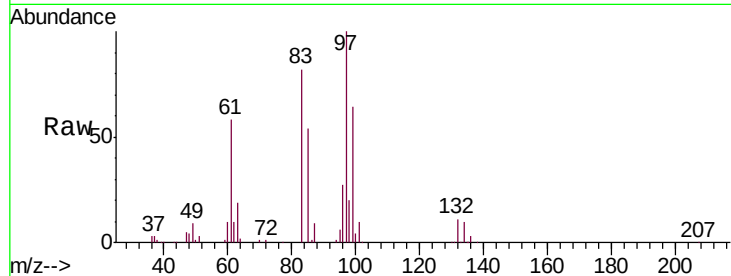
Ion Ratio Lower Upper

97 100

83 82.0 58.9 109.5

85 53.5 38.1 70.9

99 64.2 46.5 86.3



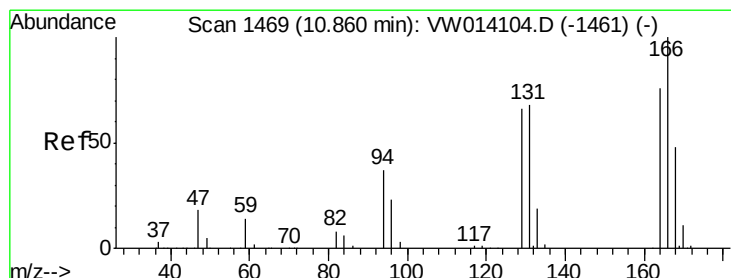
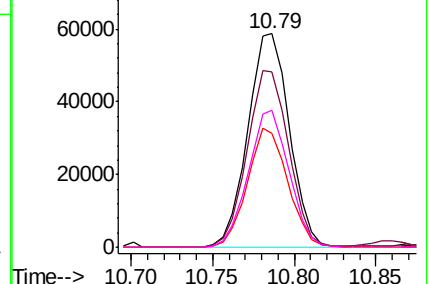
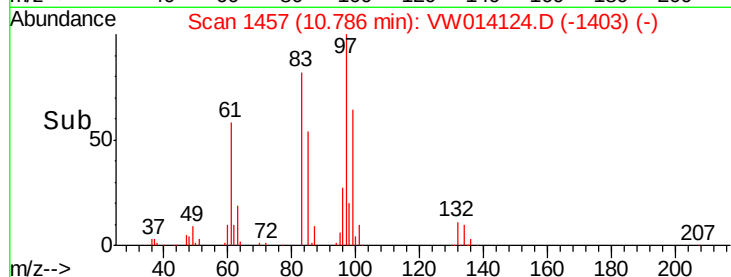
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 26.396 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Tgt Ion: 164 Resp: 133060

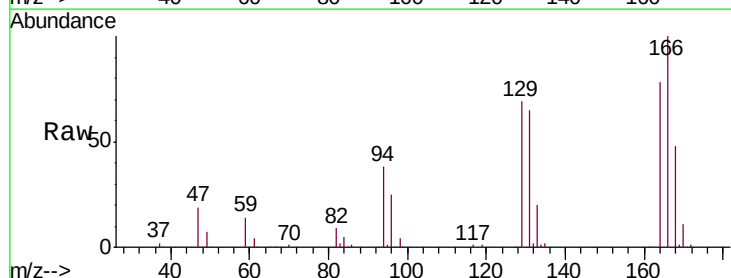
Ion Ratio Lower Upper

164 100

129 88.7 60.6 112.6

131 83.3 59.1 109.7

166 127.6 90.8 168.6



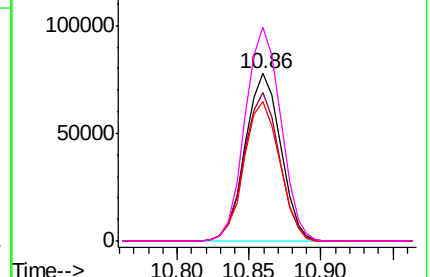
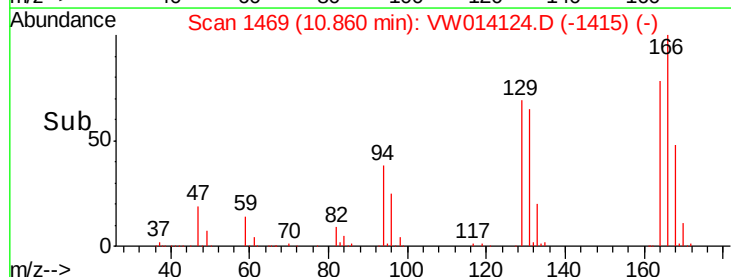
Abundance

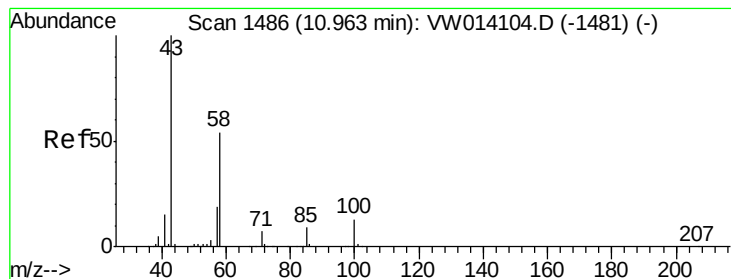
Ion 164.00 (163.70 to 164.70): V

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: 53.451 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

Tgt Ion: 43 Resp: 129856

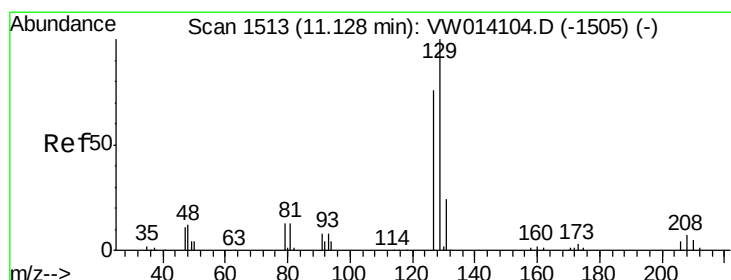
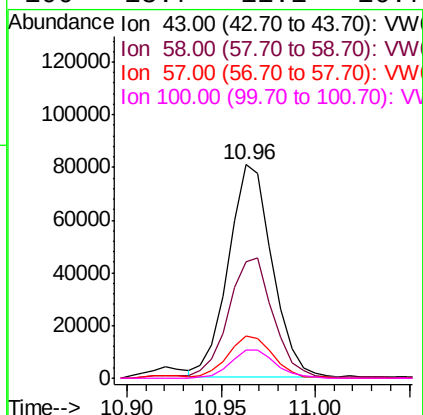
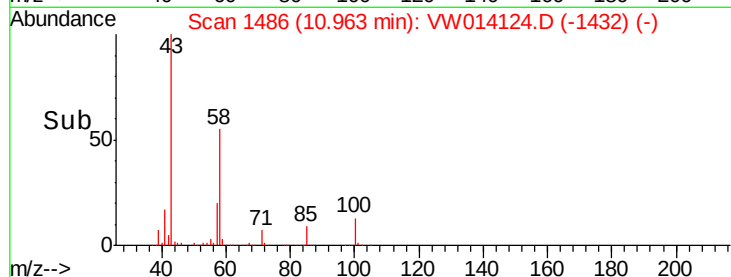
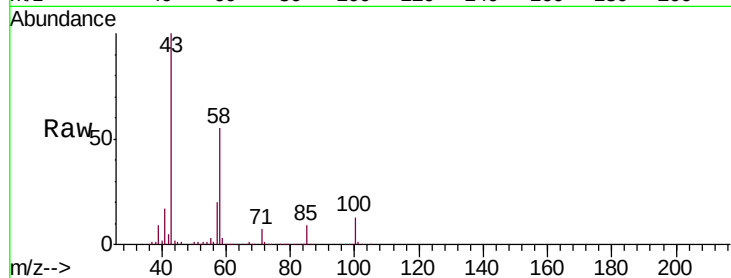
Ion Ratio Lower Upper

43 100

58 57.2 44.4 66.6

57 20.5 16.5 24.7

100 13.7 11.1 16.7



#50

Dibromochloromethane

Concen: 28.260 ug/L

RT: 11.12 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VW014124.D

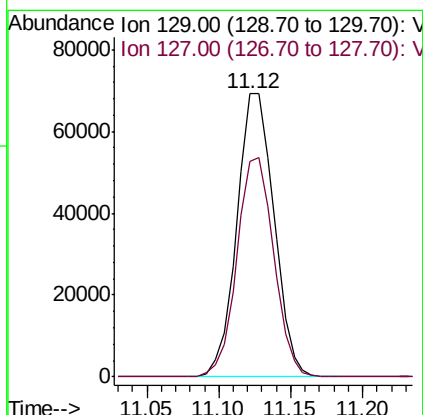
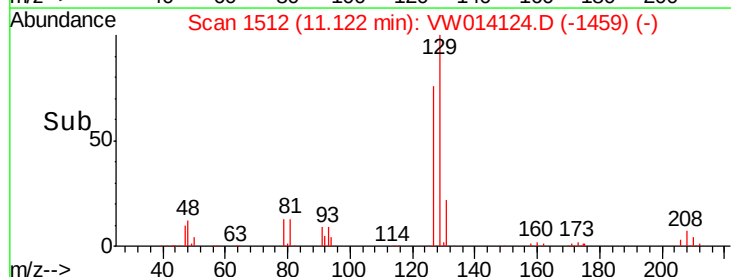
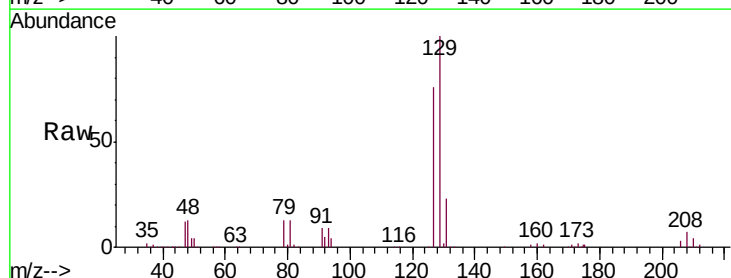
Acq: 26 Nov 2019 09:28

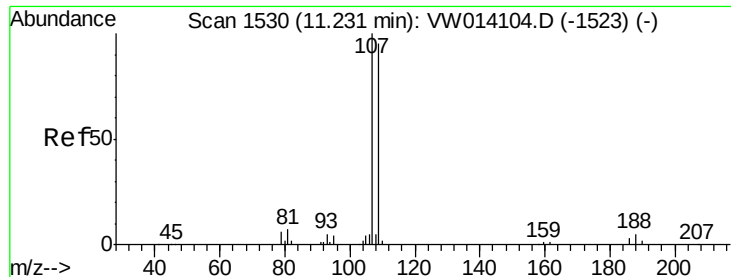
Tgt Ion: 129 Resp: 124566

Ion Ratio Lower Upper

129 100

127 75.9 54.9 102.1





#51

1,2-Dibromoethane

Concen: 27.728 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

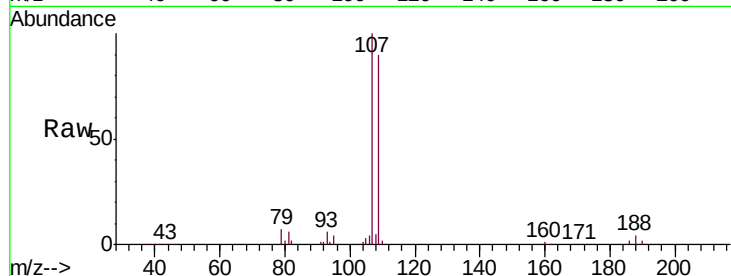
Tgt Ion:107 Resp: 100888

Ion Ratio Lower Upper

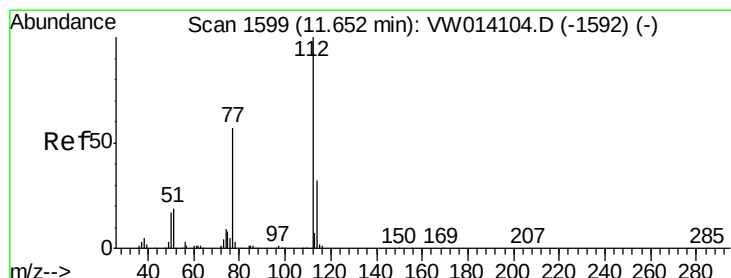
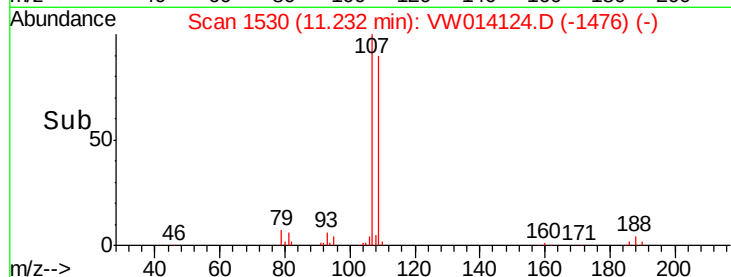
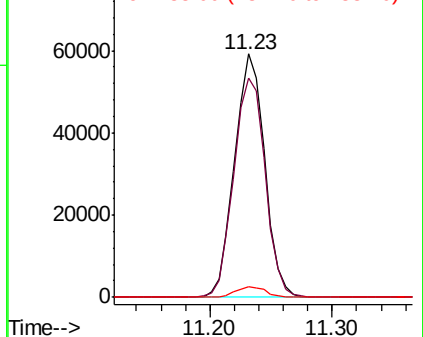
107 100

109 90.1 64.6 120.0

188 4.2 3.9 5.9



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: 26.506 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

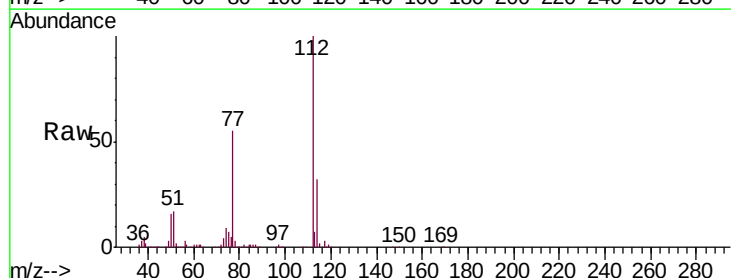
Tgt Ion:112 Resp: 384112

Ion Ratio Lower Upper

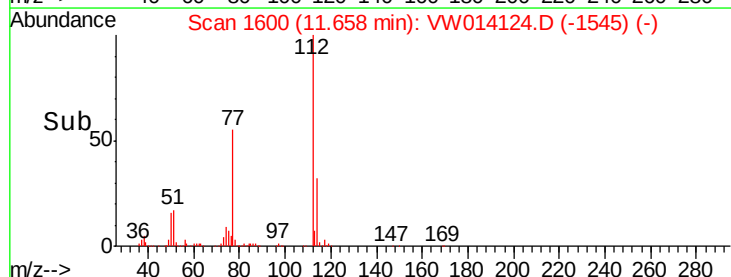
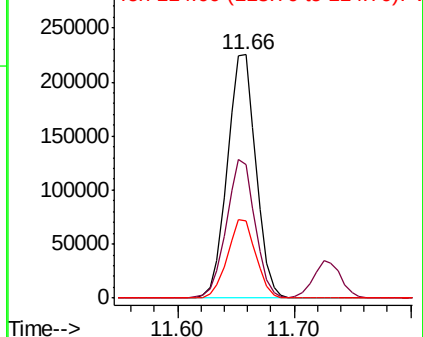
112 100

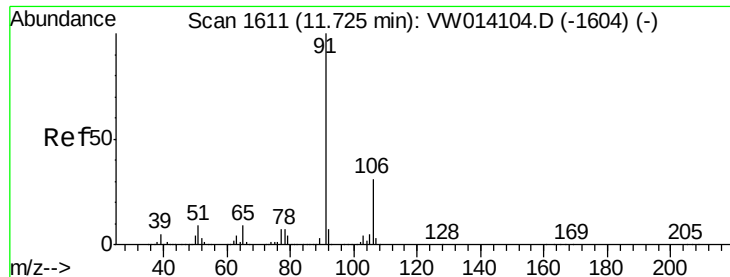
77 54.8 42.2 63.4

114 31.9 22.5 41.9



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

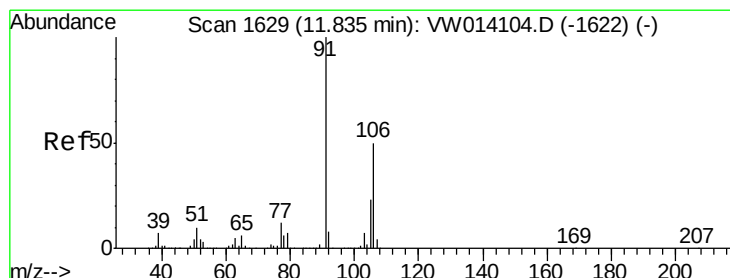
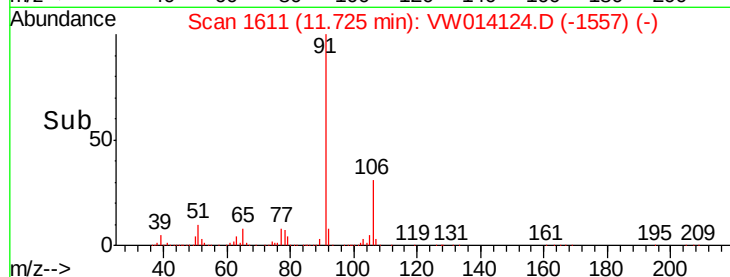
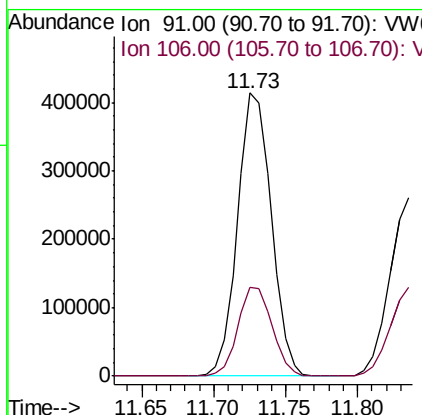
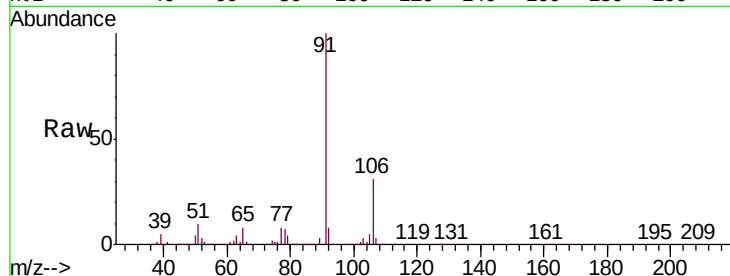




#53
Ethylbenzene
Concen: 26.611 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014124.D
Acq: 26 Nov 2019 09:28

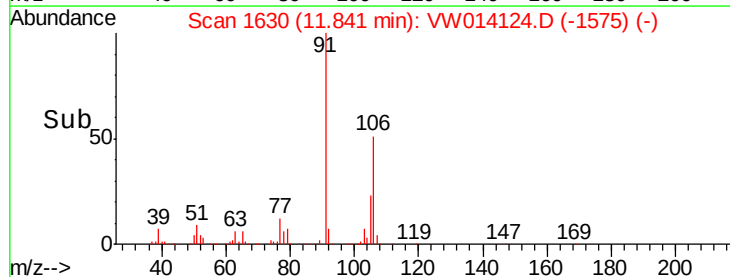
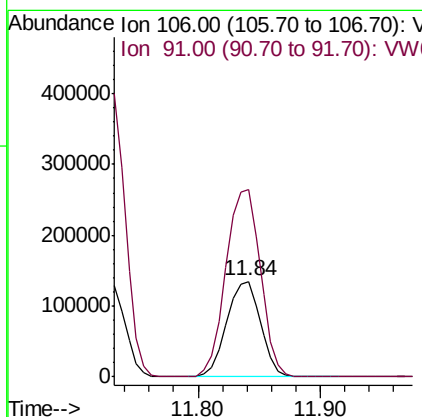
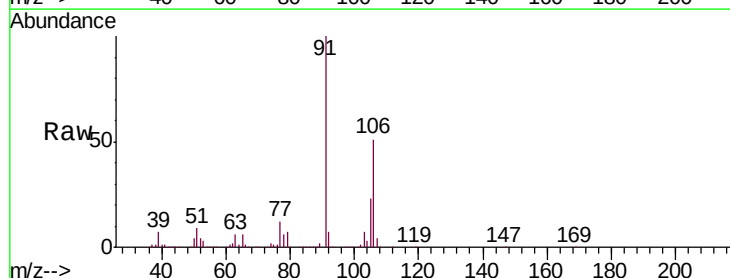
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

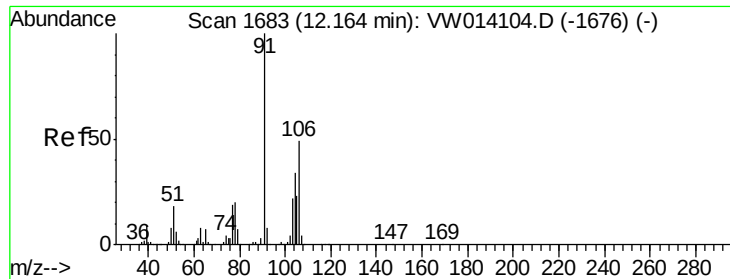
Tgt Ion: 91 Resp: 675003
Ion Ratio Lower Upper
91 100
106 31.4 22.3 41.5



#54
m,p-Xylene
Concen: 26.185 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW014124.D
Acq: 26 Nov 2019 09:28

Tgt Ion: 106 Resp: 258126
Ion Ratio Lower Upper
106 100
91 195.0 138.7 257.5

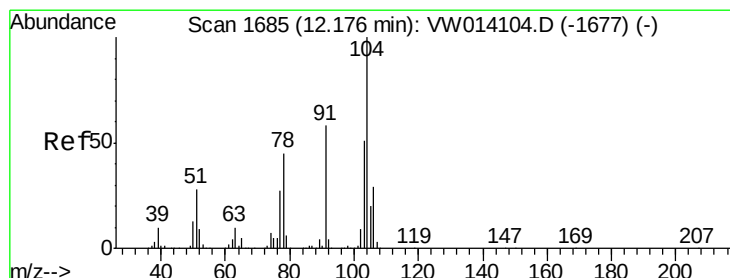
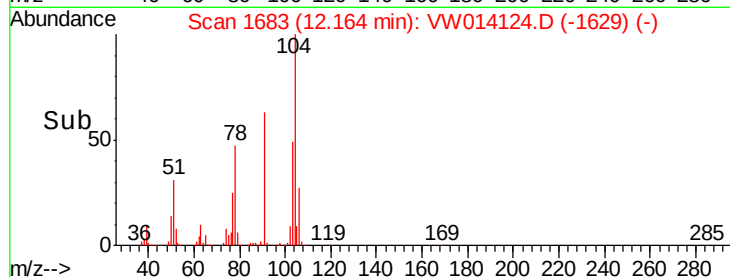
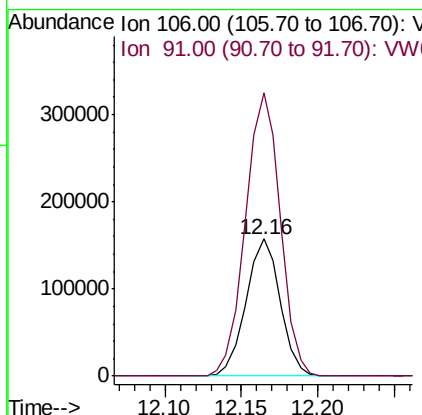
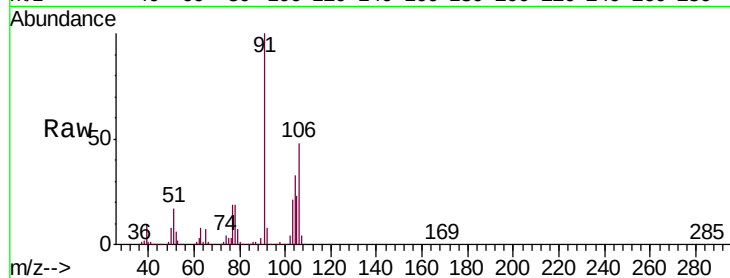




#55
o-xylene
Concen: 26.533 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014124.D
Acq: 26 Nov 2019 09:28

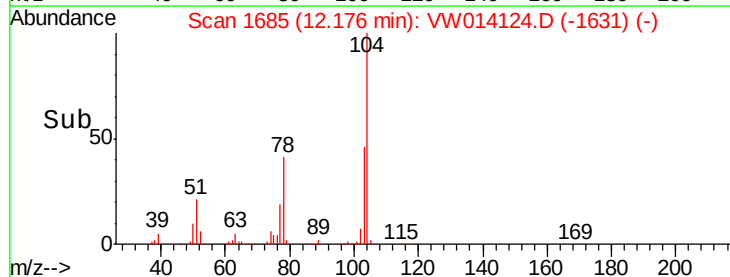
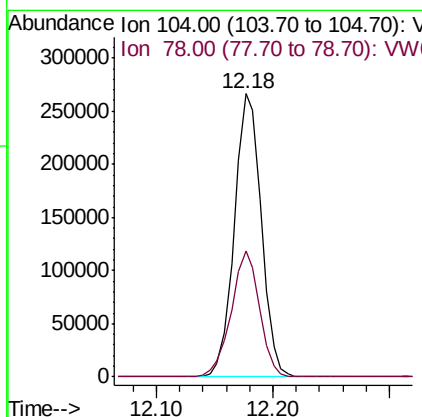
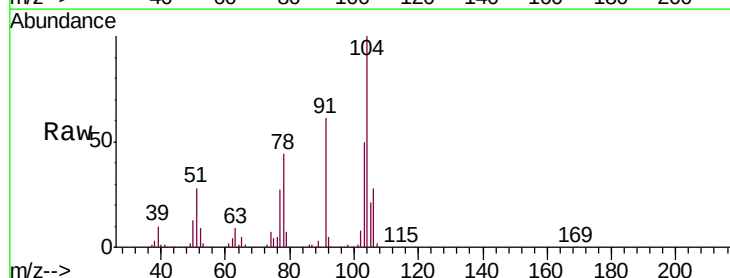
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

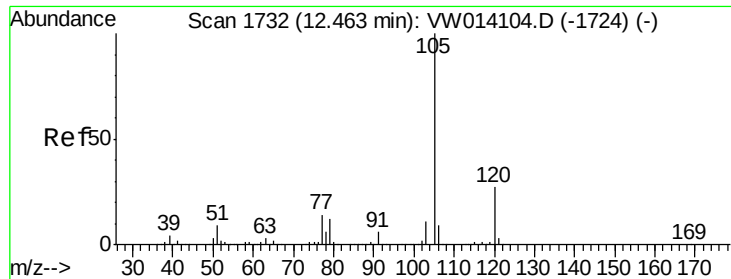
Tgt Ion:106 Resp: 244929
Ion Ratio Lower Upper
106 100
91 206.3 148.3 275.5



#56
Styrene
Concen: 27.509 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014124.D
Acq: 26 Nov 2019 09:28

Tgt Ion:104 Resp: 428980
Ion Ratio Lower Upper
104 100
78 44.3 30.6 56.8





#57

Isopropylbenzene

Concen: 26.634 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

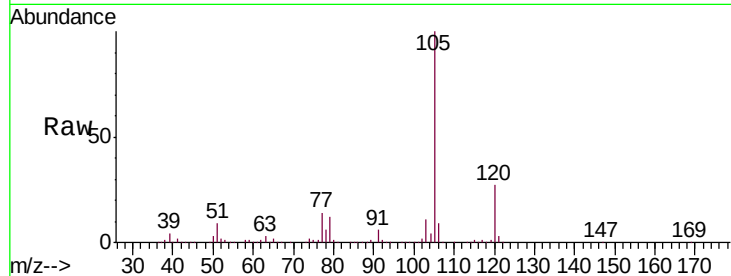
Tgt Ion: 105 Resp: 676001

Ion Ratio Lower Upper

105 100

120 26.9 21.6 32.4

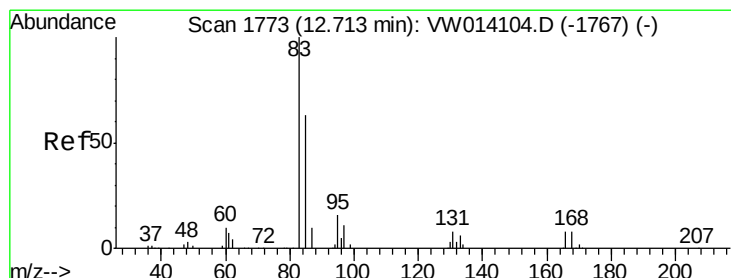
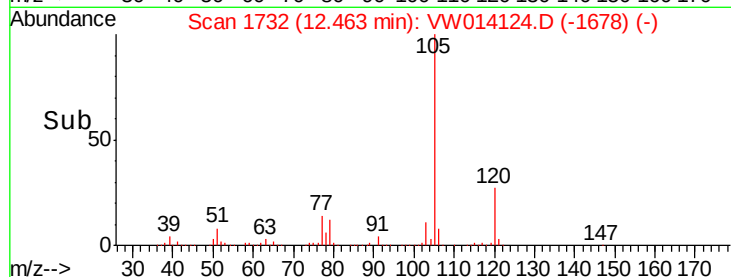
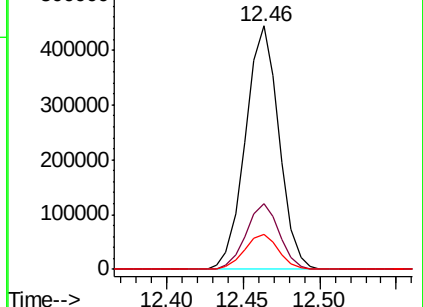
77 14.7 11.6 17.4



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: 28.745 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

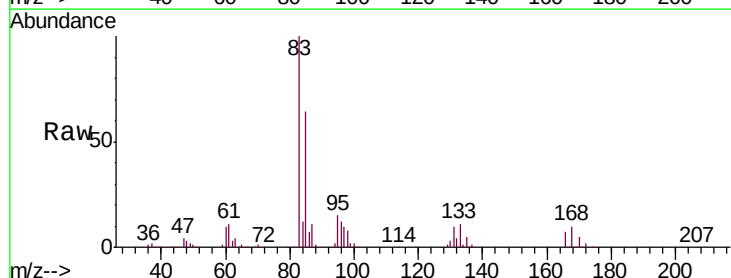
Tgt Ion: 83 Resp: 125852

Ion Ratio Lower Upper

83 100

85 64.1 43.7 81.1

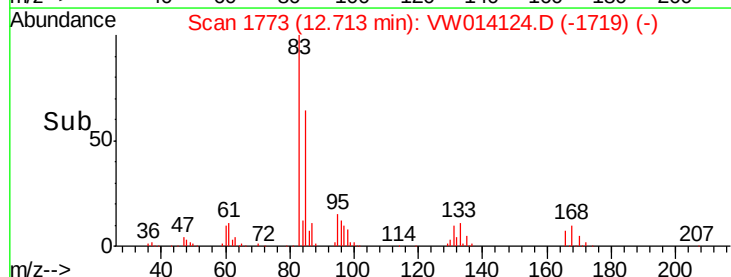
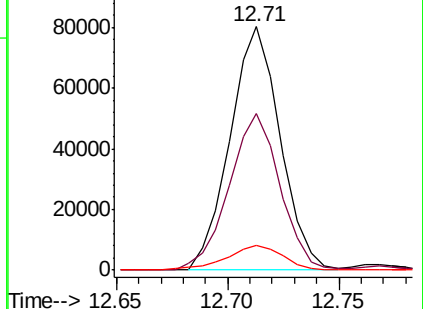
131 10.4 8.2 12.2

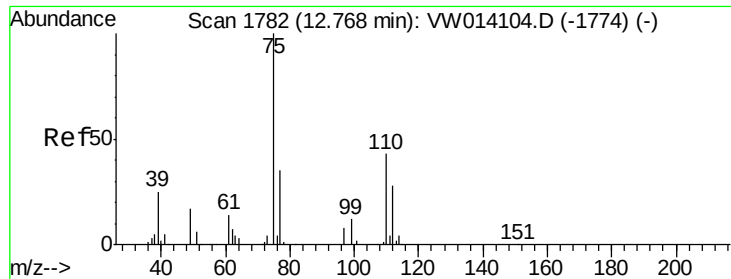


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

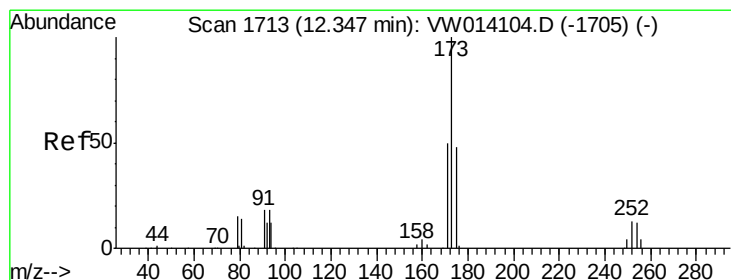
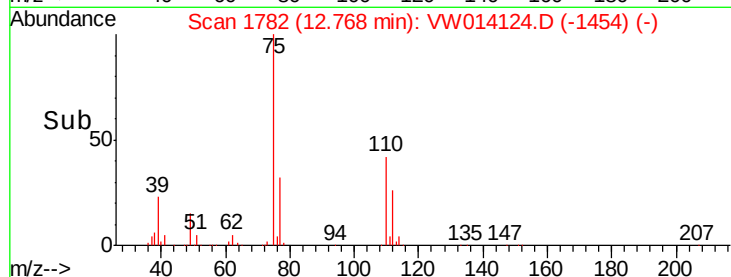
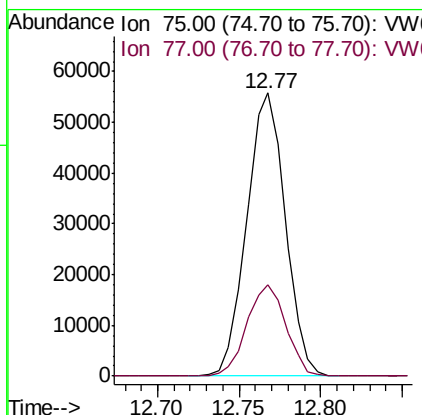
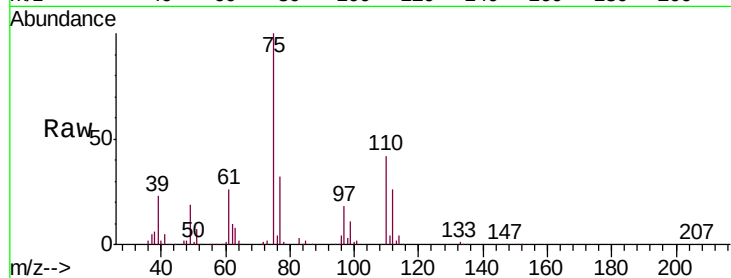




#59
 1,2,3-Trichloropropane
 Concen: 27.949 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW014124.D
 Acq: 26 Nov 2019 09:28

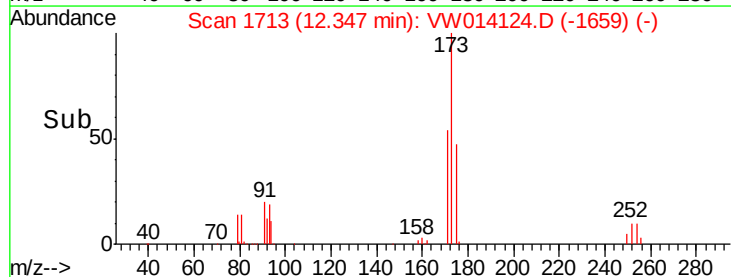
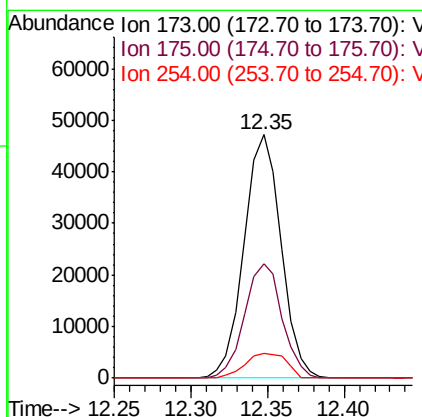
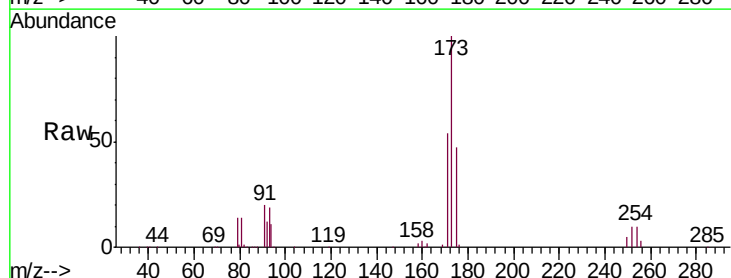
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

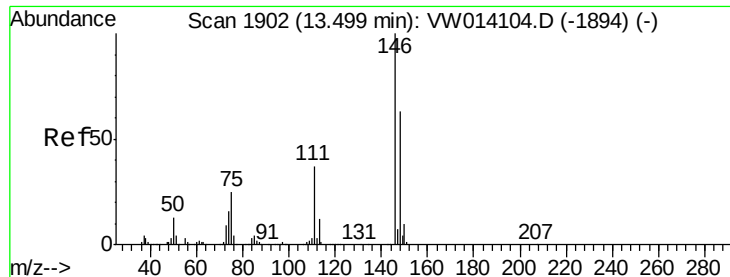
Tgt Ion: 75 Resp: 92029
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.9 38.9



#62
 Bromoform
 Concen: 27.754 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW014124.D
 Acq: 26 Nov 2019 09:28

Tgt Ion: 173 Resp: 79379
 Ion Ratio Lower Upper
 173 100
 175 47.6 38.8 58.2
 254 11.5 9.4 14.0





#63

1,3-Dichlorobenzene

Concen: 25.081 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

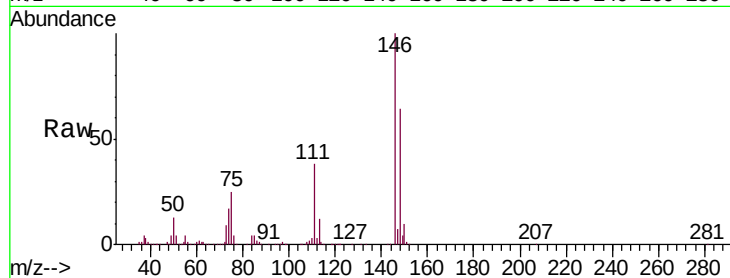
Tgt Ion:146 Resp: 307351

Ion Ratio Lower Upper

146 100

111 37.6 26.0 48.2

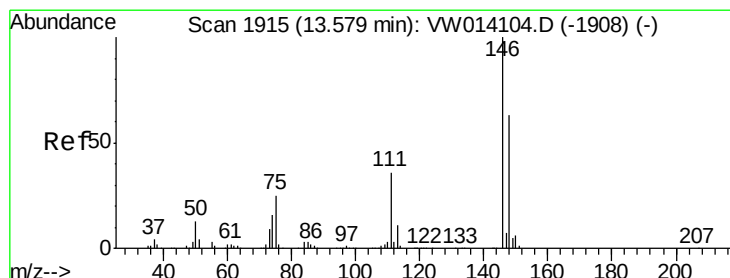
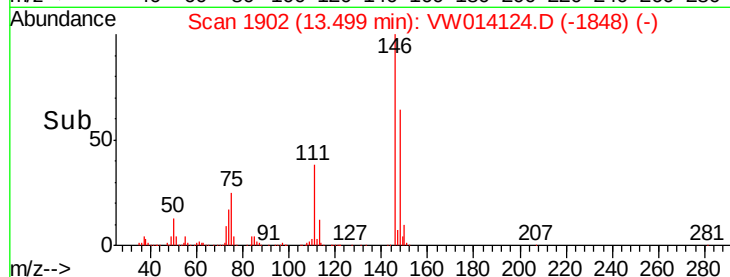
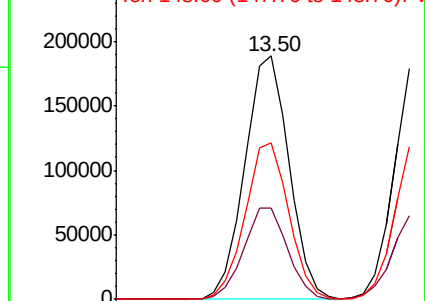
148 64.1 44.7 82.9



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: 25.267 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

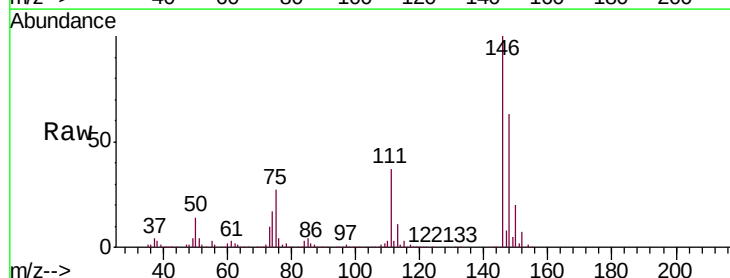
Tgt Ion:146 Resp: 305913

Ion Ratio Lower Upper

146 100

111 36.5 24.9 46.3

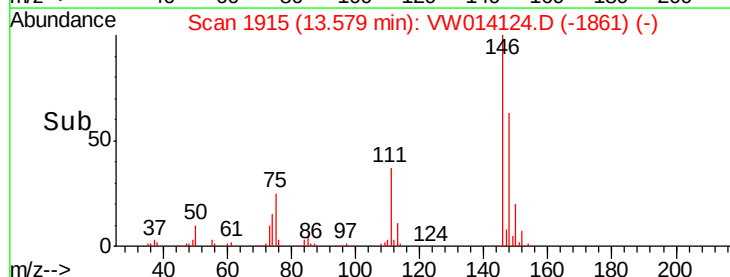
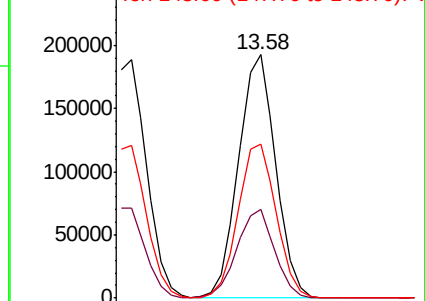
148 63.5 43.9 81.5

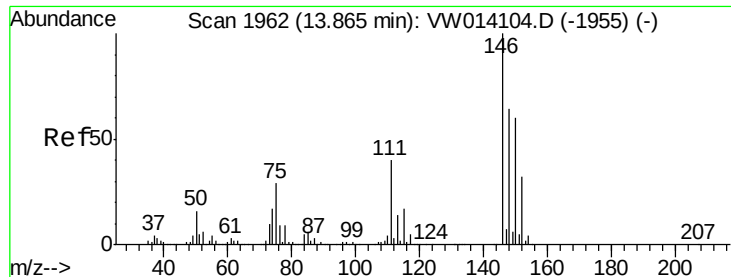


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 25.312 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

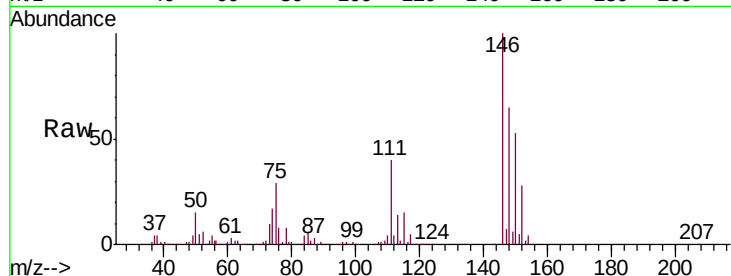
Tgt Ion:146 Resp: 274673

Ion Ratio Lower Upper

146 100

111 40.4 30.5 45.7

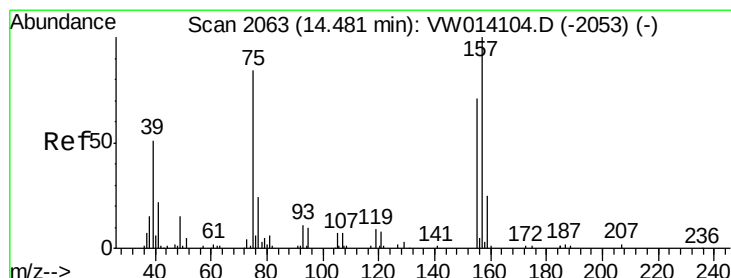
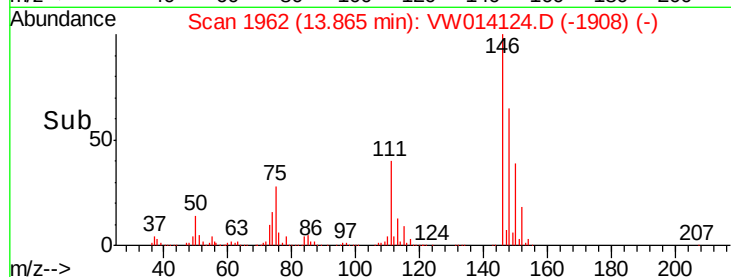
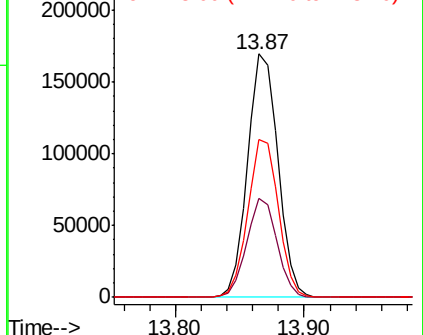
148 65.0 49.4 74.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 26.513 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

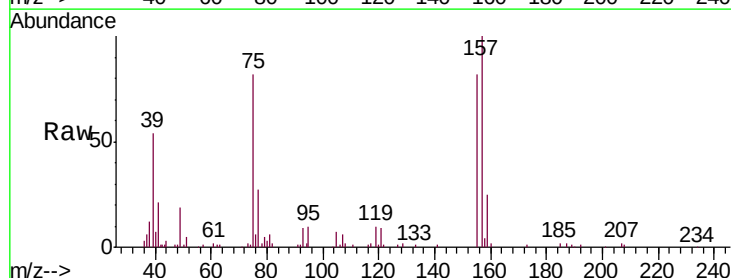
Tgt Ion: 75 Resp: 19593

Ion Ratio Lower Upper

75 100

157 121.9 96.9 145.3

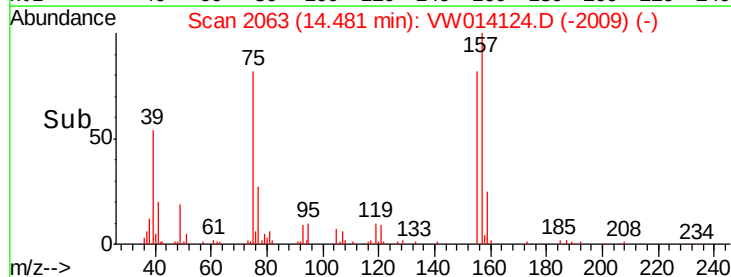
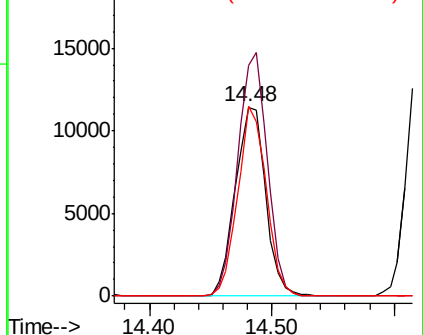
155 100.6 82.9 124.3

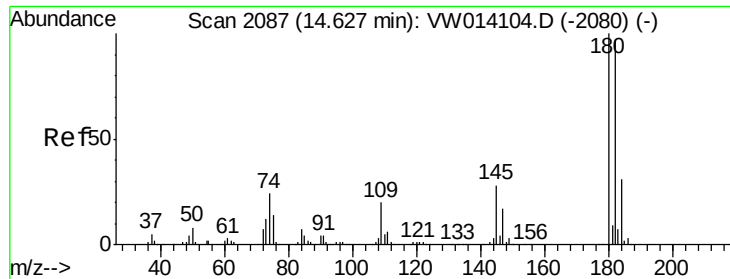


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

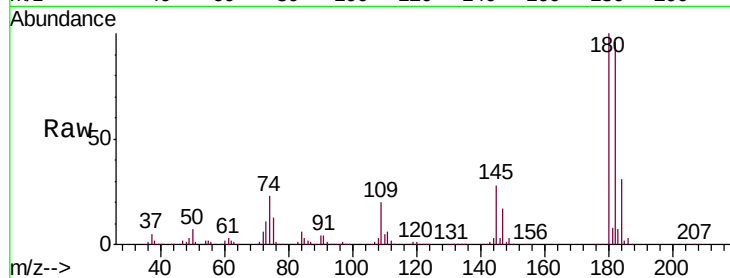




#67
 1,3,5-Trichlorobenzene
 Concen: 25.080 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014124.D
 Acq: 26 Nov 2019 09:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.2	114.2
184	30.5	24.3	36.5
145	27.2	21.9	32.9



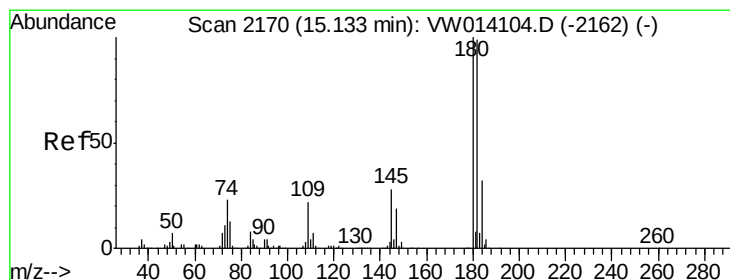
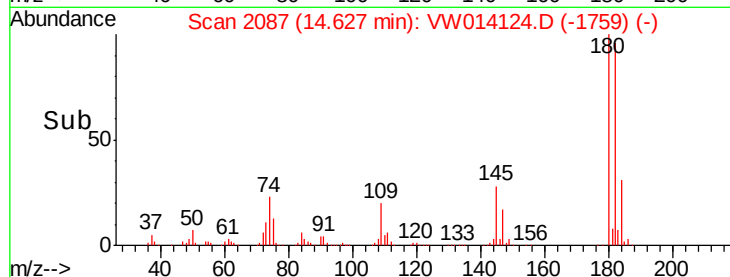
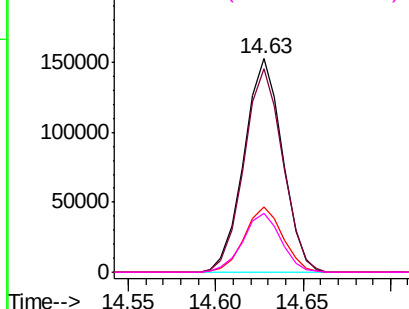
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

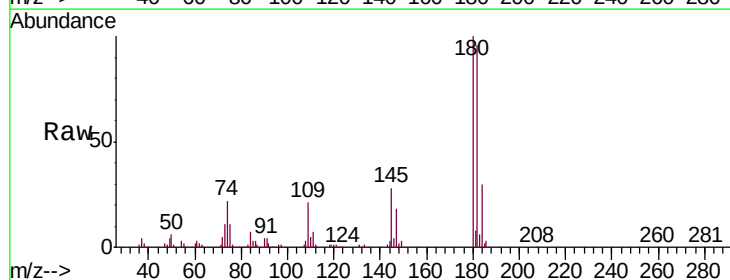
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.118 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014124.D
 Acq: 26 Nov 2019 09:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.8
145	28.1	22.4	33.6

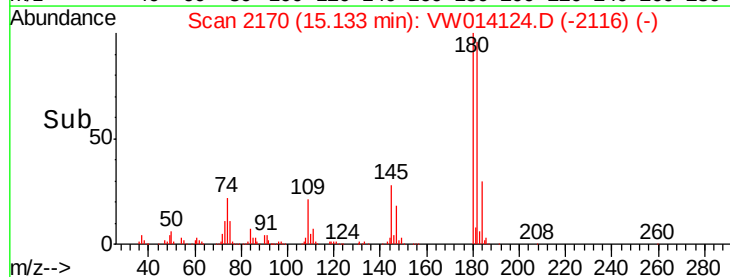
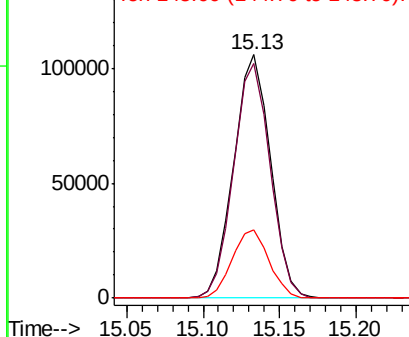


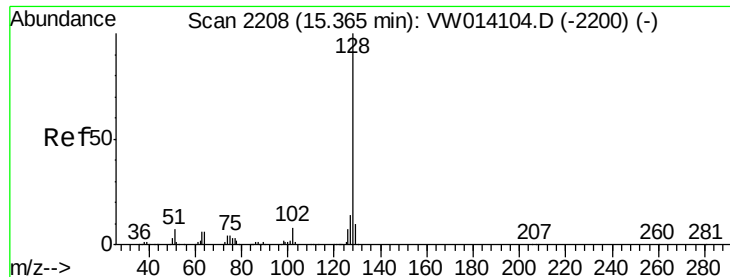
Abundance

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





#69

Naphthalene

Concen: 24.217 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

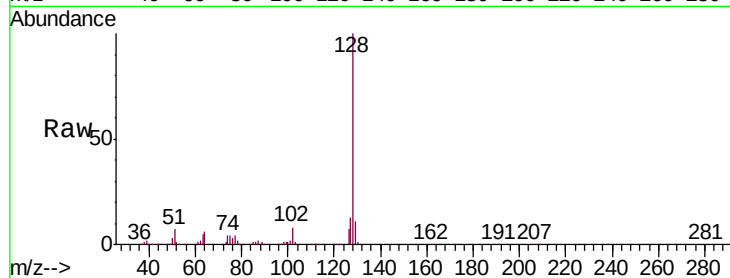
Tgt Ion:128 Resp: 315924

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

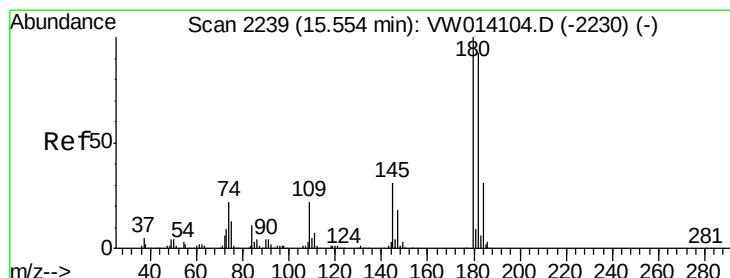
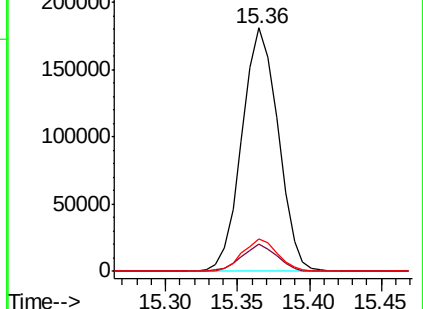
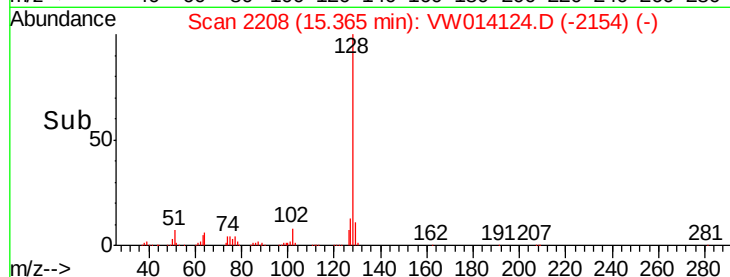
127 13.0 10.4 15.6



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: 24.286 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014124.D

Acq: 26 Nov 2019 09:28

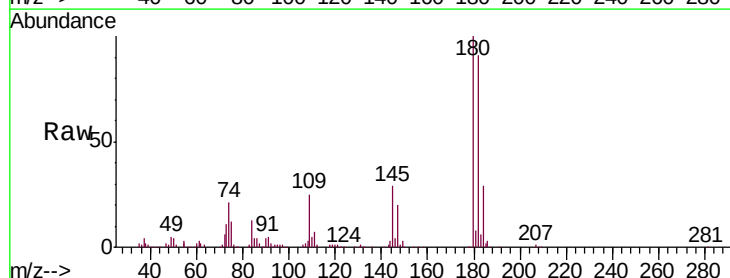
Tgt Ion:180 Resp: 157386

Ion Ratio Lower Upper

180 100

182 94.3 75.8 113.6

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

