

Data File : VW009976.D
Acq On : 15 Apr 2019 16:40
Operator : SY/VA
Sample : VSTD10007
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10007

Quant Time: Apr 15 17:04:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 15 16:09:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	690175	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	681944	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	334843	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	727241	80.52	ug/L	0.00
7) Chloroethane-d5	2.89	69	626495	75.72	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1845731	95.03	ug/L	0.00
20) 2-Butanone-d5	7.07	46	778497	265.48	ug/L	0.00
24) Chloroform-d	7.64	84	1901255	100.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	1174245	101.56	ug/L	0.00
29) Benzene-d6	8.27	84	3604376	100.69	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	1139772	103.08	ug/L	0.00
37) Toluene-d8	10.32	98	3392281	102.49	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	597243	113.25	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	639343	306.77	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	1099207	106.93	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	1198026	101.96	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	1039704	114.360	ug/L	98
3) Chloromethane	2.22	50	923989	98.343	ug/L	100
5) Vinyl chloride	2.37	62	927263	76.941	ug/L	98
6) Bromomethane	2.78	94	623423	74.758	ug/L	98
8) Chloroethane	2.92	64	597923	75.592	ug/L	98
9) Trichlorofluoromethane	3.26	101	718545	97.192	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	857742	89.195	ug/L	98
12) 1,1-Dichloroethene	4.04	96	884879	96.529	ug/L	89
13) Acetone	4.12	43	586560	186.690	ug/L	96
14) Carbon disulfide	4.38	76	2668370	93.648	ug/L	99
15) Methyl Acetate	4.67	43	660978	115.379	ug/L	99
16) Methylene chloride	4.92	84	954943	78.453	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	1307974	103.576	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	969079	101.649	ug/L	98
19) 1,1-Dichloroethane	6.21	63	1887855	103.187	ug/L	99
21) 2-Butanone	7.17	43	923978	231.231	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	1095864	107.476	ug/L	95
23) Bromochloromethane	7.51	128	482924	103.234	ug/L	97
25) Chloroform	7.67	83	1909400	99.634	ug/L	100
27) 1,2-Dichloroethane	8.40	62	1478004	101.969	ug/L	100
30) Cyclohexane	7.95	56	1714556	106.524	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	1377642	89.053	ug/L	99
32) Carbon tetrachloride	8.06	117	1384747	89.282	ug/L	99
34) Benzene	8.32	78	4018966	97.954	ug/L	100
35) Trichloroethene	9.09	95	1045908	97.407	ug/L	99
36) Methylcyclohexane	9.34	83	1767597	100.129	ug/L	98
40) 1,2-Dichloropropane	9.37	63	1056042	100.548	ug/L	100
41) Bromodichloromethane	9.64	83	1476366	101.874	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	1799947	110.621	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	1977652	242.407	ug/L	98

Data File : VW009976.D
Acq On : 15 Apr 2019 16:40
Operator : SY/VA
Sample : VSTD10007
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10007

Quant Time: Apr 15 17:04:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 15 16:09:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	4333652	99.706	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	1573417	112.160	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	826566	104.848	ug/L	99
47) Tetrachloroethene	10.86	164	794379	93.934	ug/L	98
49) 2-Hexanone	10.97	43	1416165	233.126	ug/L	99
50) Dibromochloromethane	11.13	129	1032460	106.600	ug/L	98
51) 1,2-Dibromoethane	11.24	107	839672	106.270	ug/L	100
52) Chlorobenzene	11.66	112	2746913	98.184	ug/L	99
53) Ethylbenzene	11.73	91	4981631	100.616	ug/L	99
54) m,p-Xylene	11.84	106	1854273	101.257	ug/L	99
55) o-xylene	12.17	106	1818784	104.282	ug/L	98
56) Styrene	12.18	104	3176308	104.959	ug/L	98
57) Isopropylbenzene	12.47	105	4805070	100.615	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	1110720	104.778	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	837589	106.143	ug/L	100
62) Bromoform	12.35	173	631094	107.194	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	2118945	102.299	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	2113960	95.706	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	1969295	99.377	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	208749	108.219	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	1498733	97.518	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	1301390	105.440	ug/L	99
69) Naphthalene	15.37	128	3087963	124.480	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	1212393	105.006	ug/L	100

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

Data File : VW009976.D

Acq On : 15 Apr 2019 16:40

Operator : SY/VA

Sample : VSTD10007

Misc : 5.00G/10ML/MSVOA W/SOIL

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

Instrument :
MSVOA_W
ClientSampleId :
VSTD10007

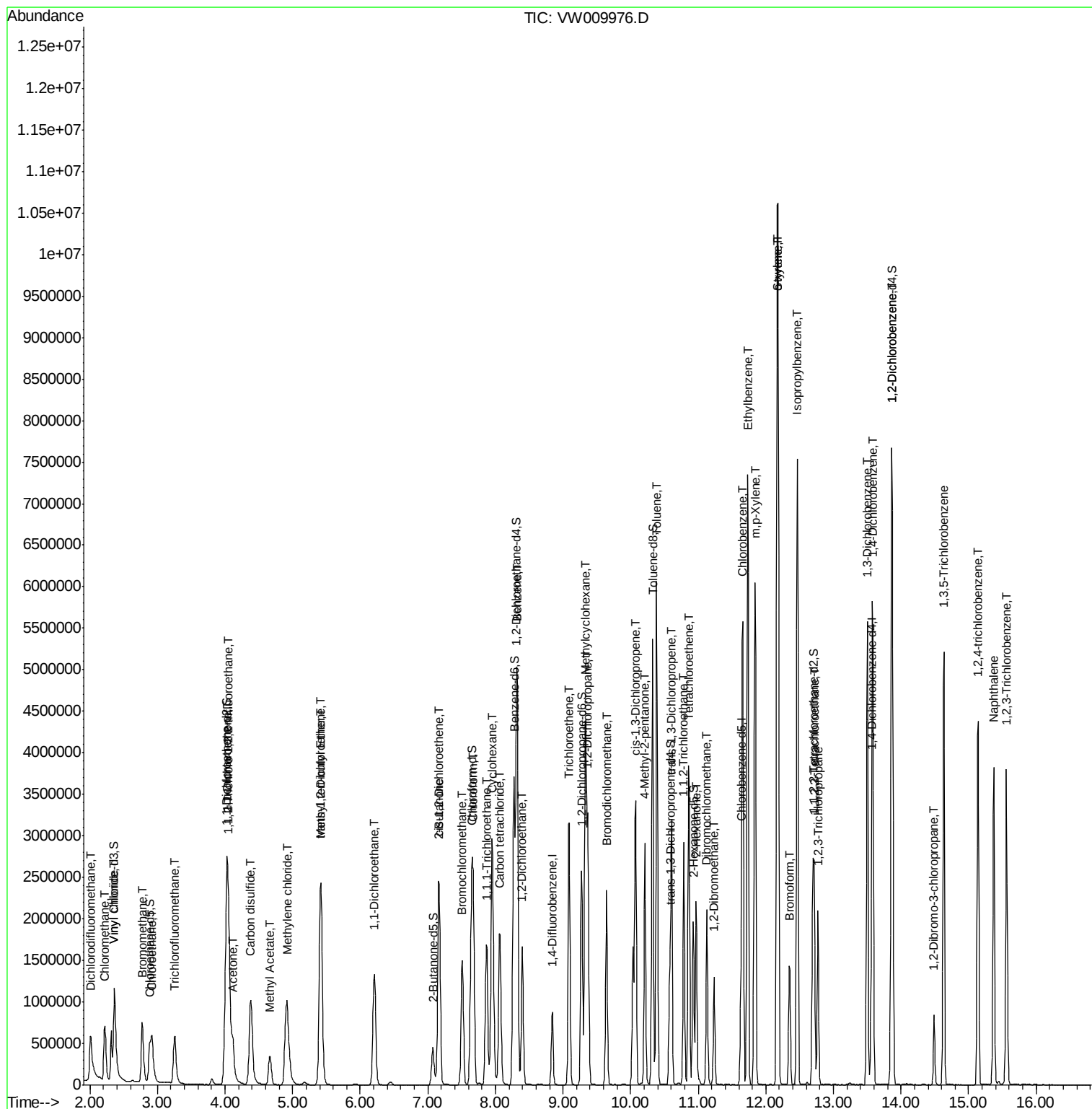
Quant Time: Apr 15 17:04:16 2019

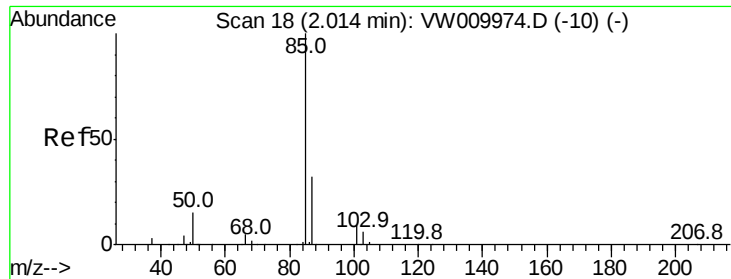
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M

Quant Title : VOC Analysis

QLast Update : Mon Apr 15 16:09:03 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 114.360 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

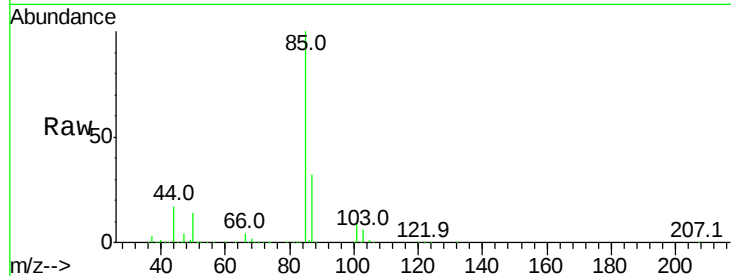
VSTD10007

Tgt Ion: 85 Resp: 1039704

Ion Ratio Lower Upper

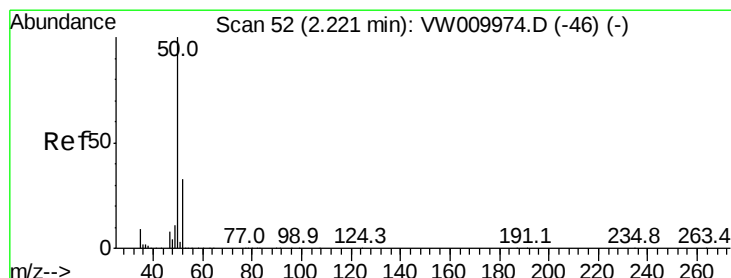
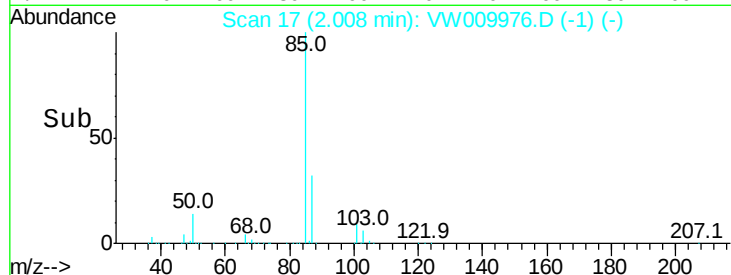
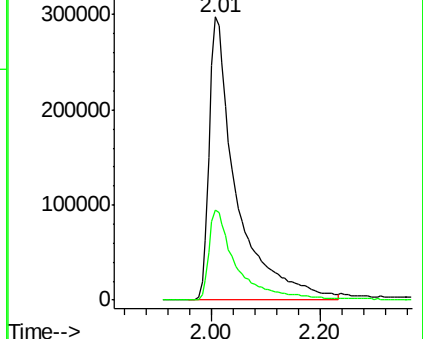
85 100

87 31.5 22.7 42.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 98.343 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW009976.D

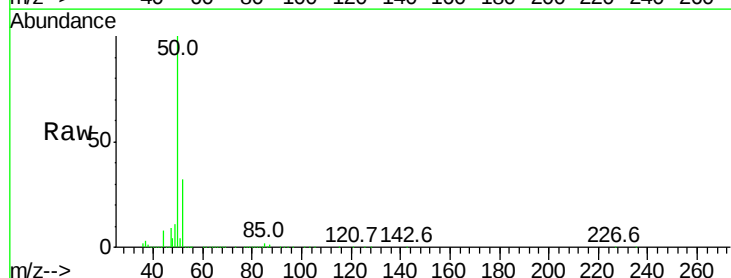
Acq: 15 Apr 2019 16:40

Tgt Ion: 50 Resp: 923989

Ion Ratio Lower Upper

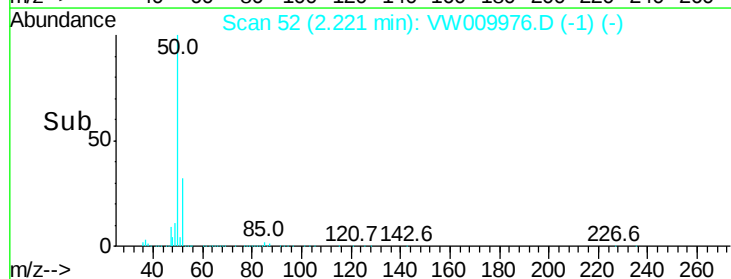
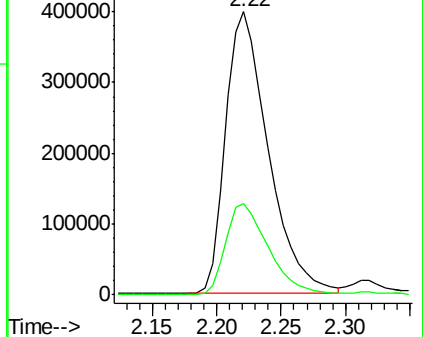
50 100

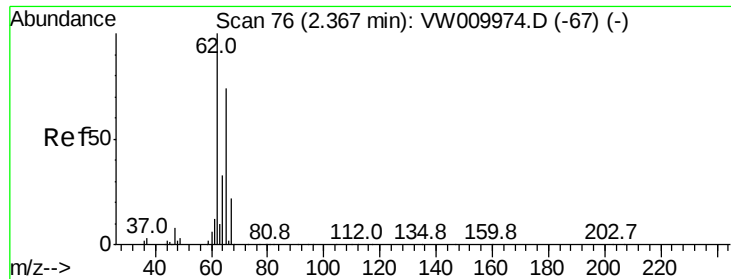
52 32.3 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 76.941 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

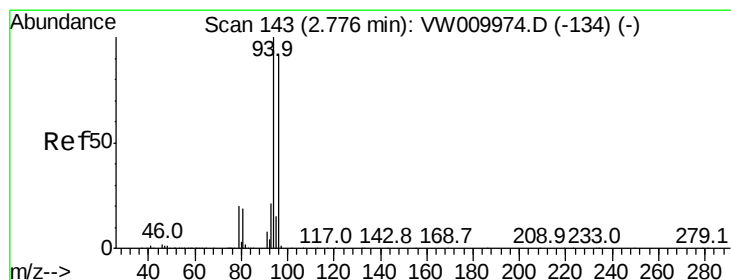
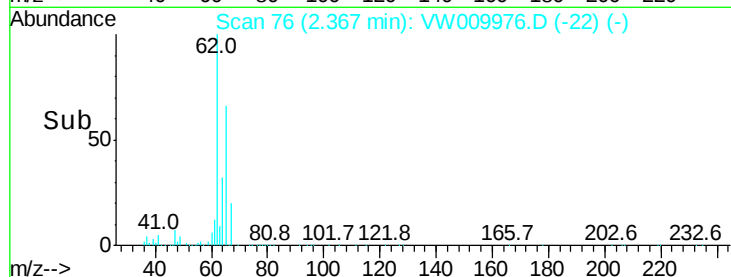
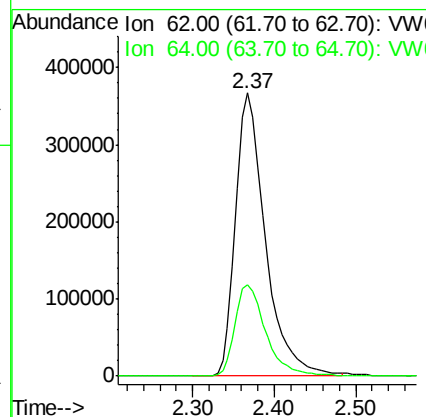
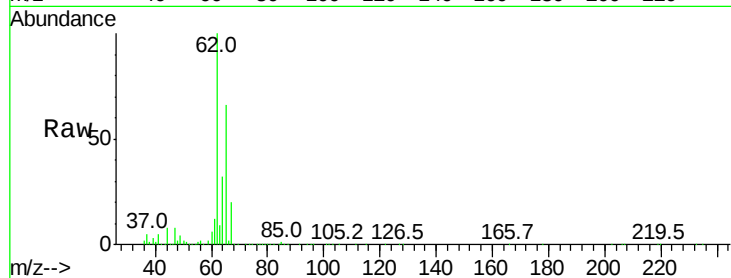
VSTD10007

Tgt Ion: 62 Resp: 927263

Ion Ratio Lower Upper

62 100

64 32.2 23.3 43.3



#6

Bromomethane

Concen: 74.758 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009976.D

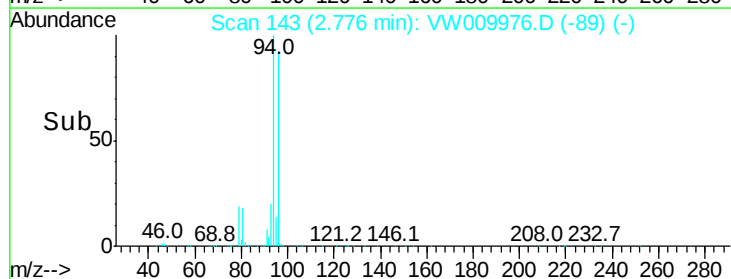
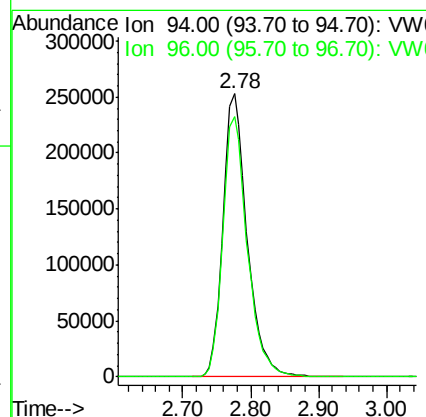
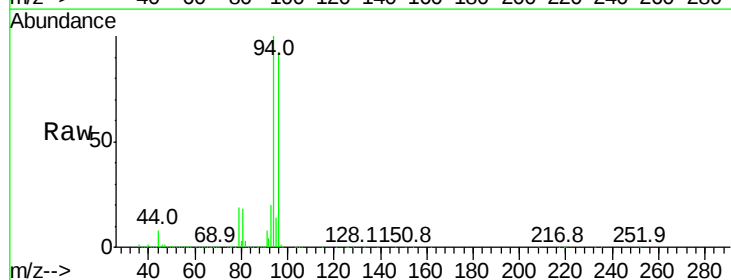
Acq: 15 Apr 2019 16:40

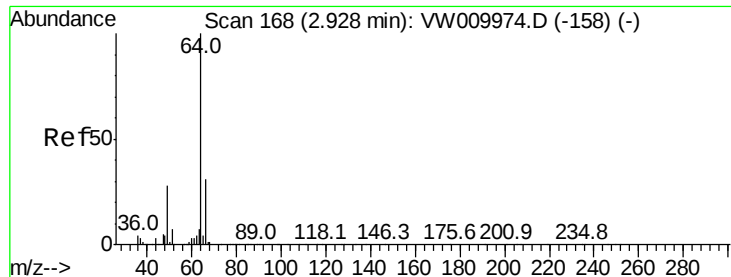
Tgt Ion: 94 Resp: 623423

Ion Ratio Lower Upper

94 100

96 93.4 9.5 180.3





#8

Chloroethane

Concen: 75.592 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

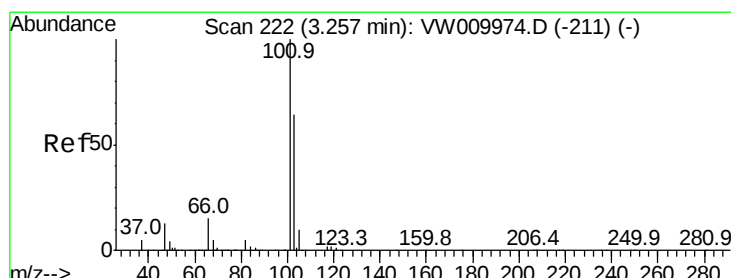
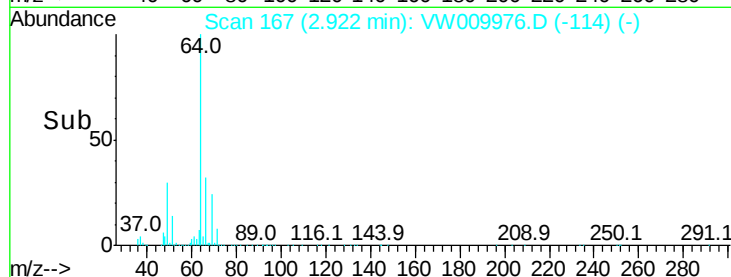
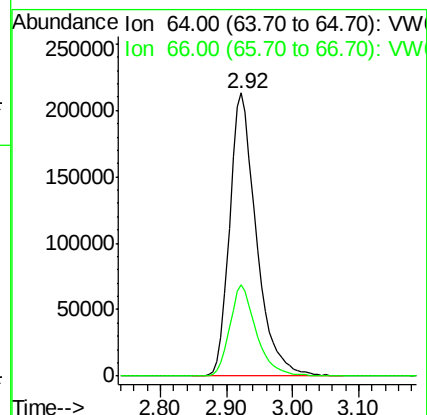
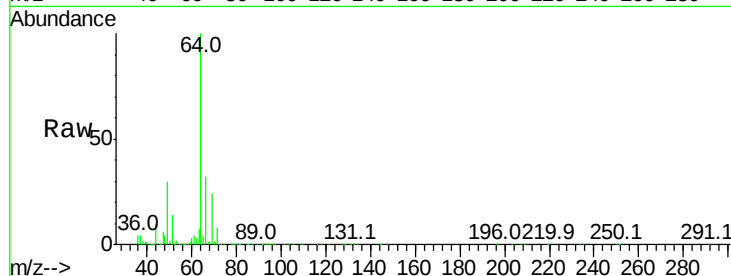
VSTD10007

Tgt Ion: 64 Resp: 597923

Ion Ratio Lower Upper

64 100

66 32.1 21.7 40.3



#9

Trichlorofluoromethane

Concen: 97.192 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW009976.D

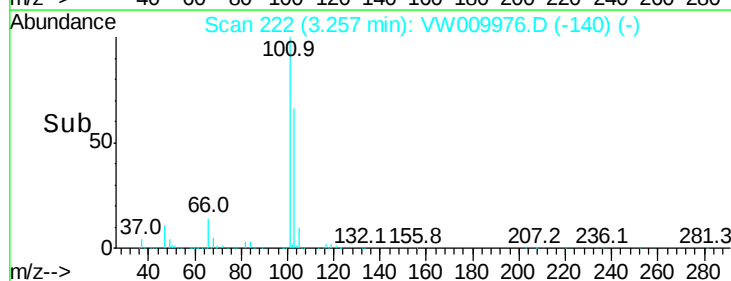
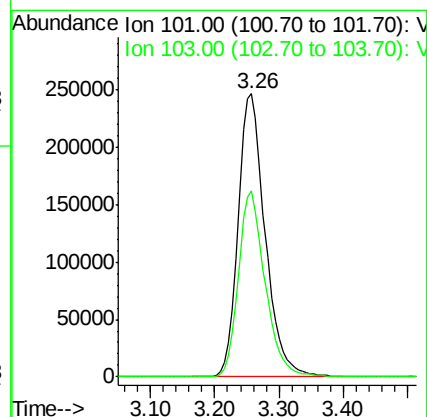
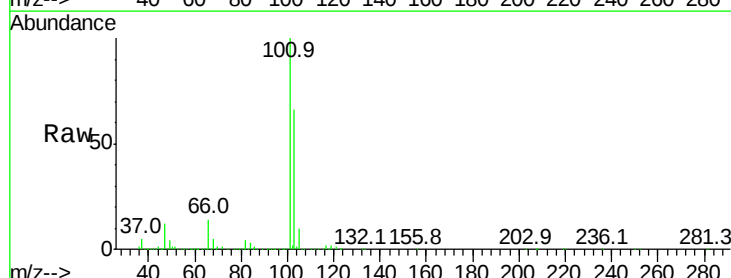
Acq: 15 Apr 2019 16:40

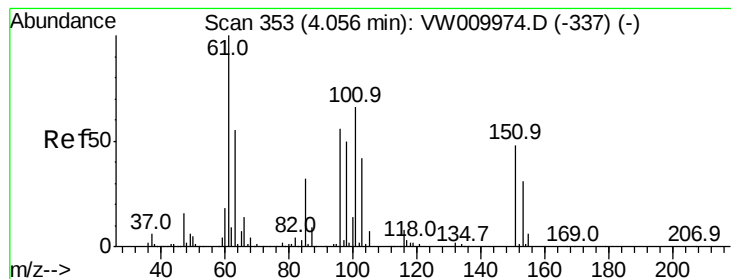
Tgt Ion: 101 Resp: 718545

Ion Ratio Lower Upper

101 100

103 64.6 44.5 82.7





#11

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

Concen: 89.195 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampled :

VSTD10007

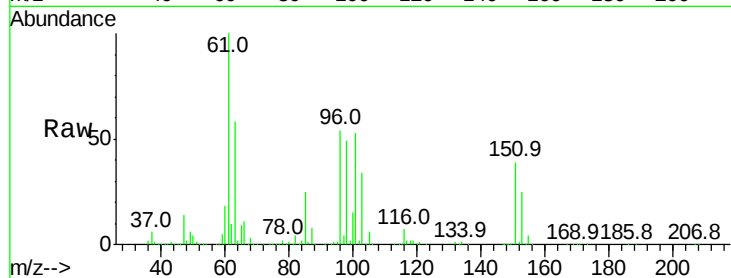
Tgt Ion:101 Resp: 857742

Ion Ratio Lower Upper

101 100

85 46.1 37.0 55.4

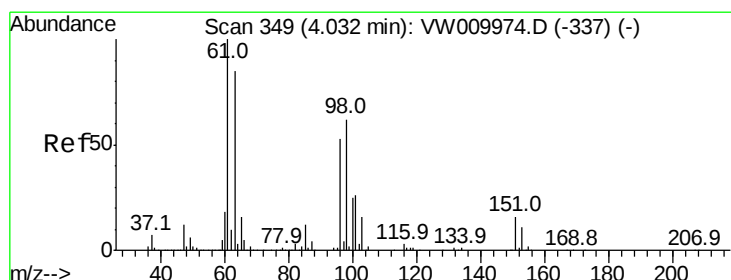
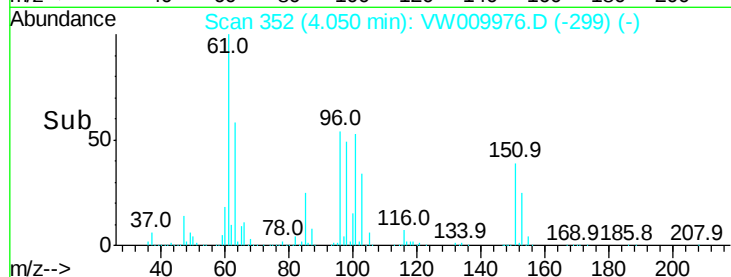
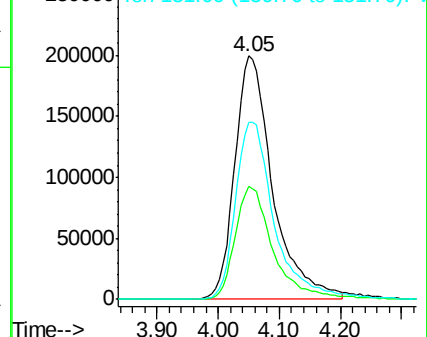
151 74.7 58.2 87.2



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: 96.529 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

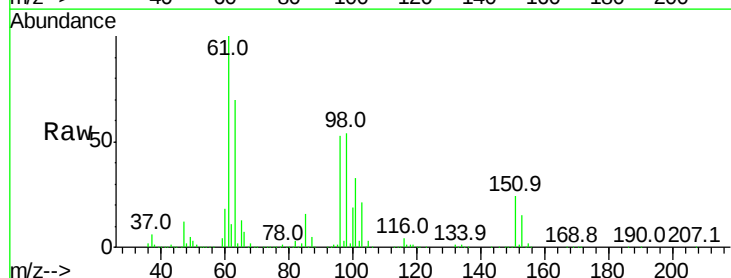
Tgt Ion: 96 Resp: 884879

Ion Ratio Lower Upper

96 100

61 187.9 131.2 243.6

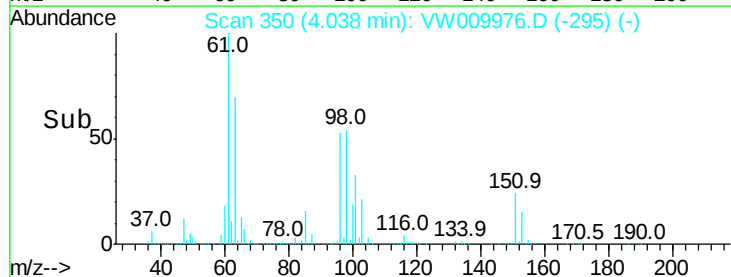
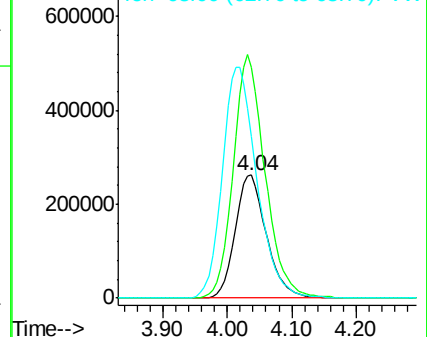
63 131.4 113.9 211.5

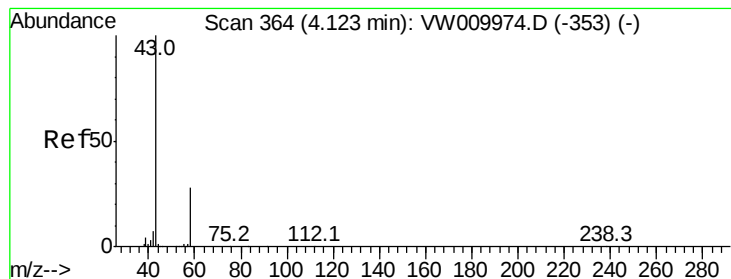


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 186.690 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

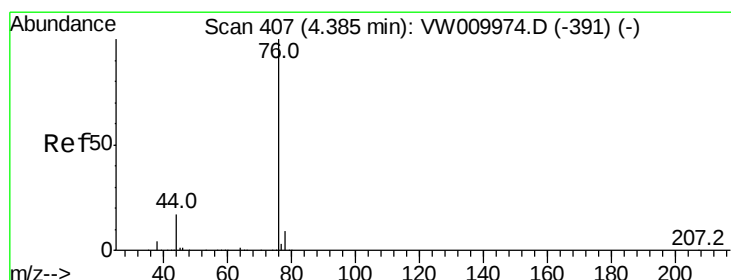
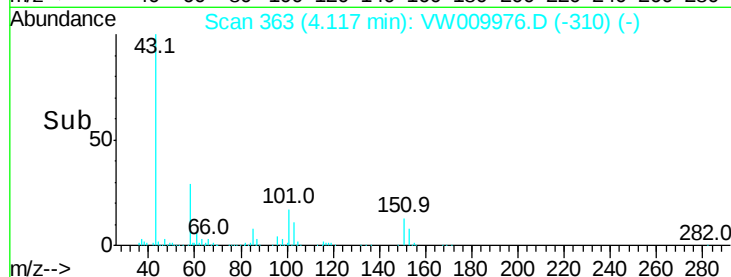
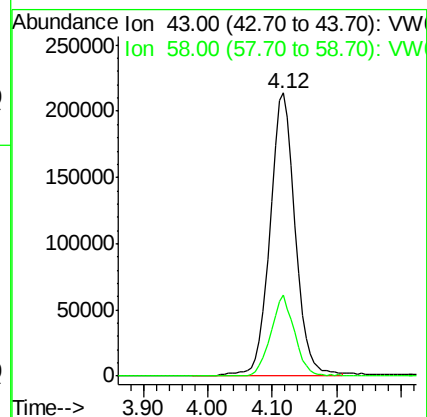
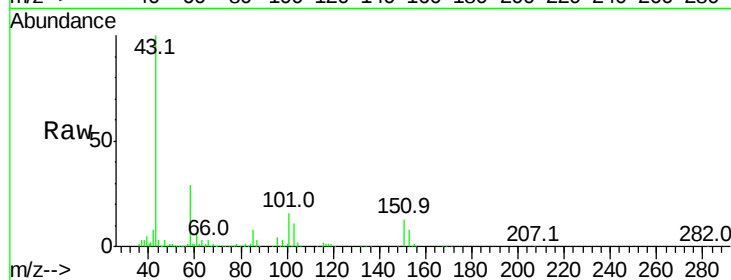
VSTD10007

Tgt Ion: 43 Resp: 586560

Ion Ratio Lower Upper

43 100

58 26.3 0.0 56.2



#14

Carbon disulfide

Concen: 93.648 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW009976.D

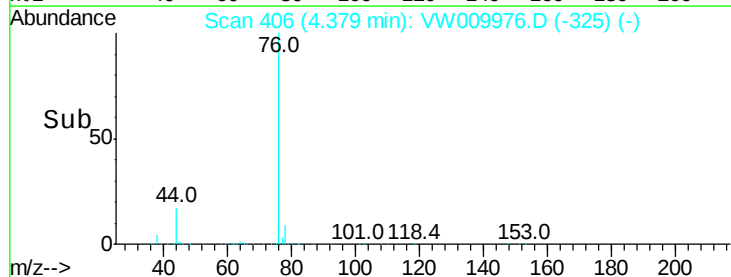
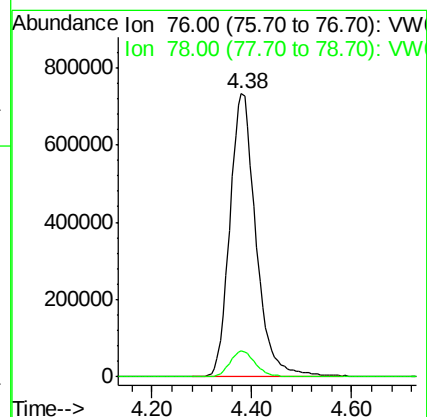
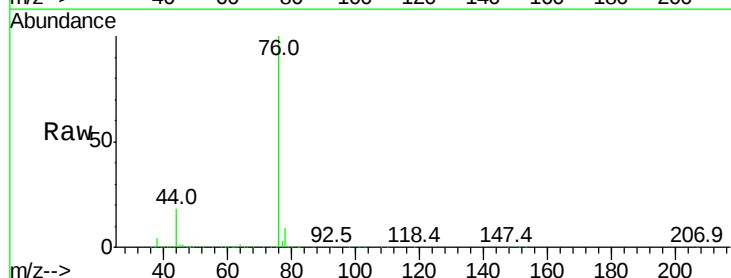
Acq: 15 Apr 2019 16:40

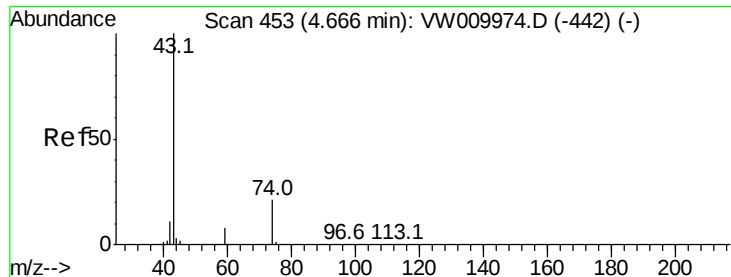
Tgt Ion: 76 Resp: 2668370

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3





#15

Methyl Acetate

Concen: 115.379 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

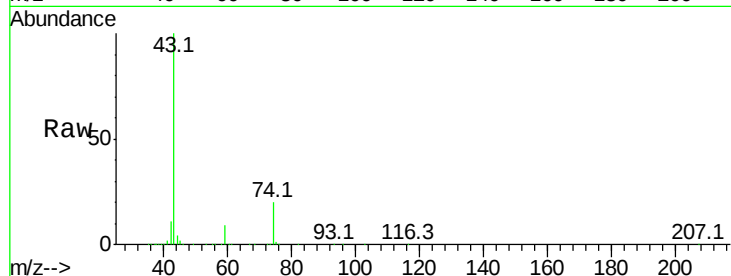
VSTD10007

Tgt Ion: 43 Resp: 660978

Ion Ratio Lower Upper

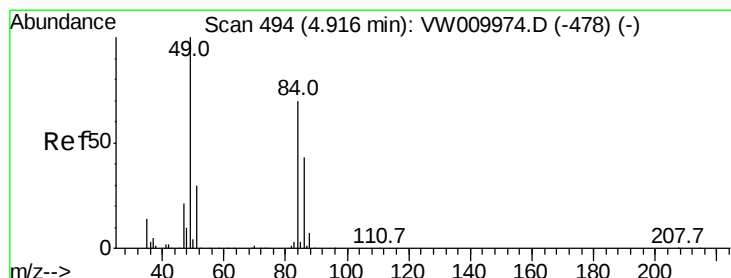
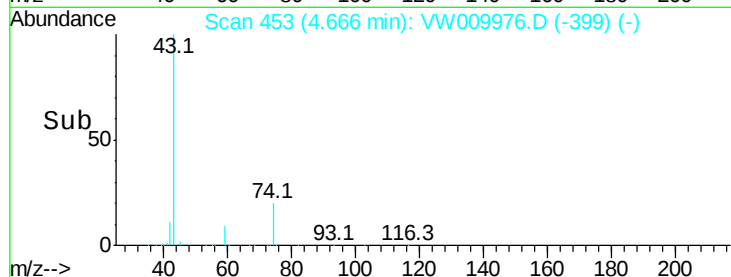
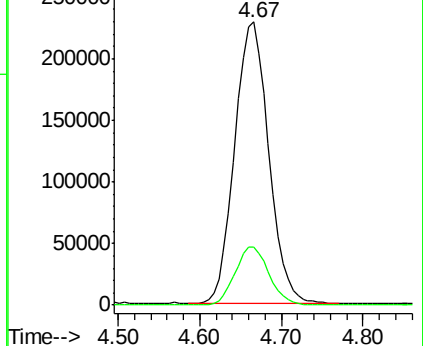
43 100

74 20.7 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 78.453 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

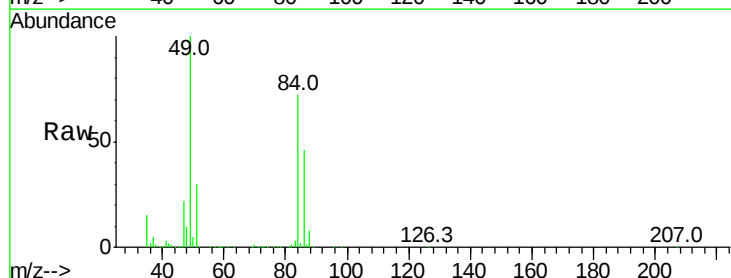
Tgt Ion: 84 Resp: 954943

Ion Ratio Lower Upper

84 100

49 138.2 100.7 187.1

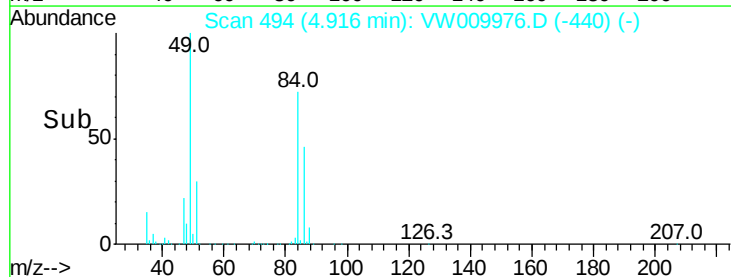
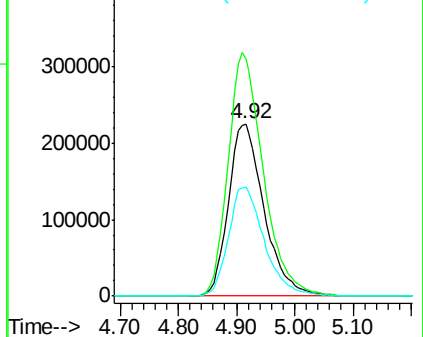
86 63.5 43.8 81.3

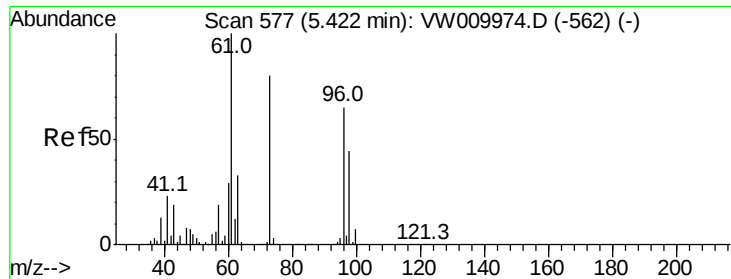


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



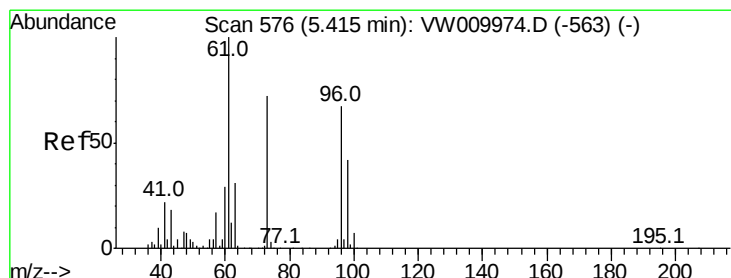
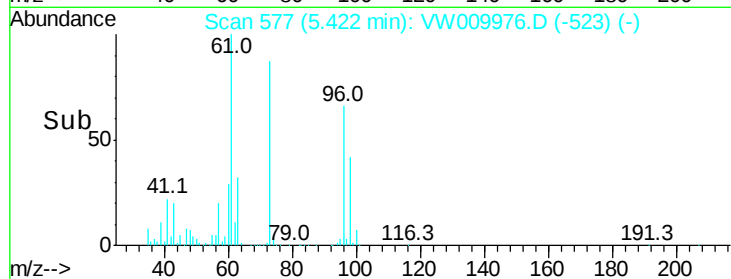
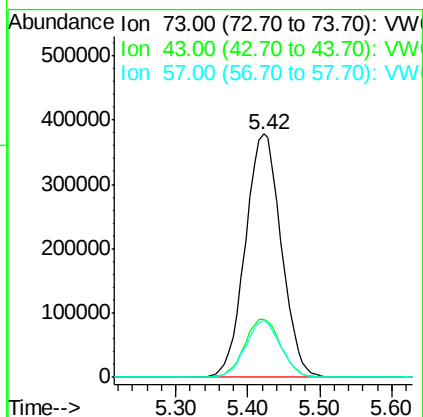
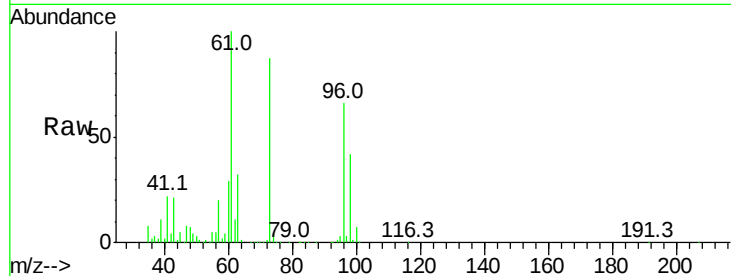


#17
Methyl tert-butyl Ether
Concen: 103.576 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009976.D
Acq: 15 Apr 2019 16:40

Instrument :
MSVOA_W
ClientSampled :
VSTD10007

Tgt Ion: 73 Resp: 1307974

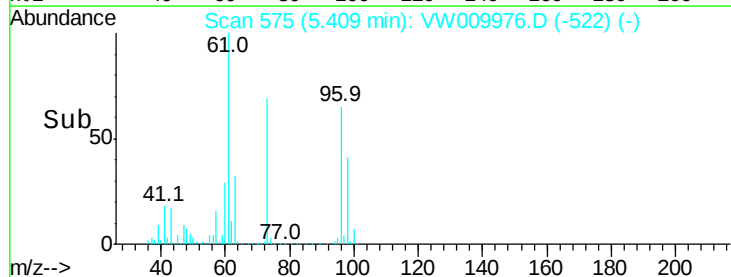
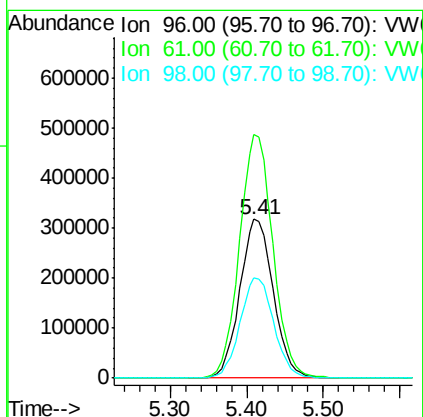
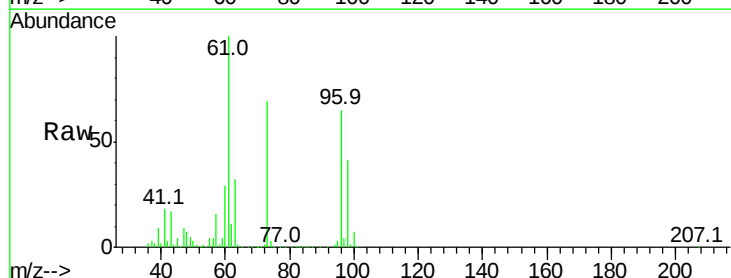
Ion	Ratio	Lower	Upper
73	100		
43	23.9	19.4	29.0
57	22.8	18.6	28.0

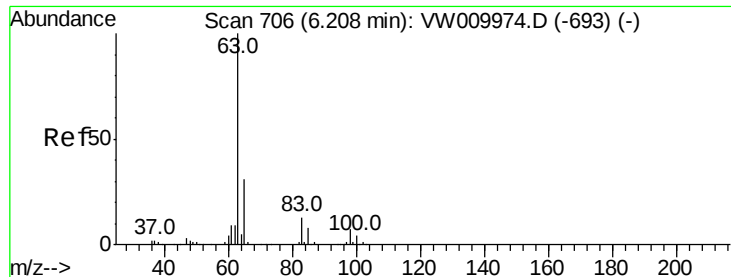


#18
trans-1,2-Dichloroethene
Concen: 101.649 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW009976.D
Acq: 15 Apr 2019 16:40

Tgt Ion: 96 Resp: 969079

Ion	Ratio	Lower	Upper
96	100		
61	153.4	104.9	194.9
98	63.4	44.1	81.9





#19

1,1-Dichloroethane

Concen: 103.187 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10007

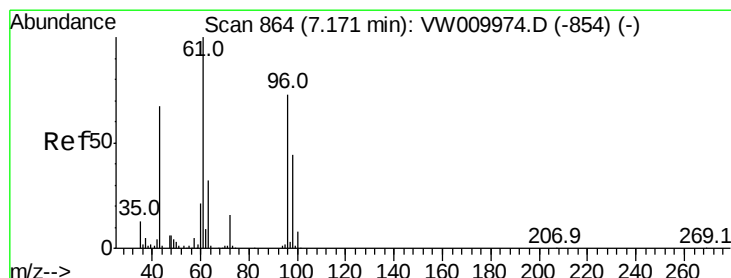
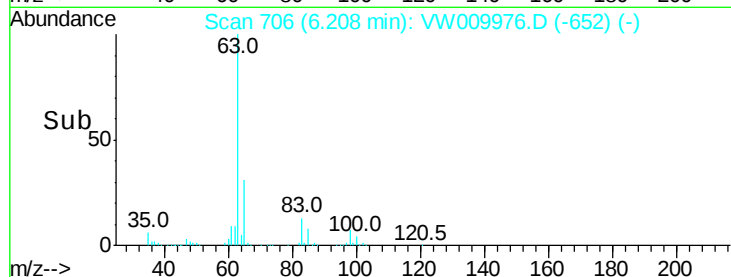
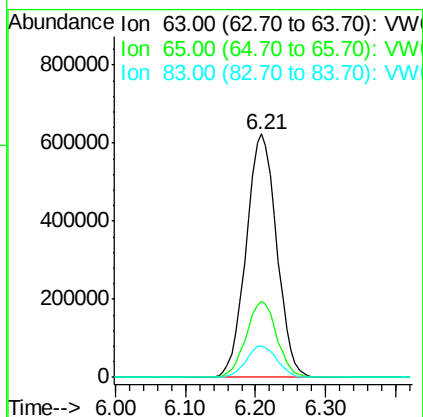
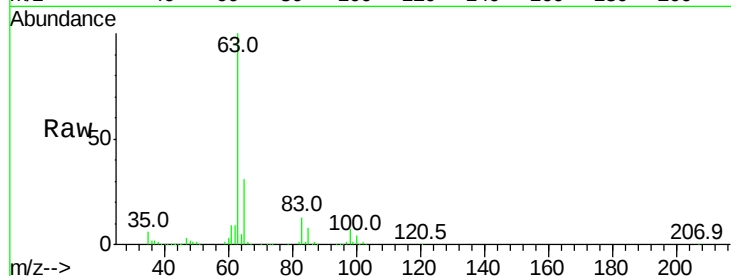
Tgt Ion: 63 Resp: 1887855

Ion Ratio Lower Upper

63 100

65 31.1 21.6 40.0

83 13.0 9.0 16.6



#21

2-Butanone

Concen: 231.231 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009976.D

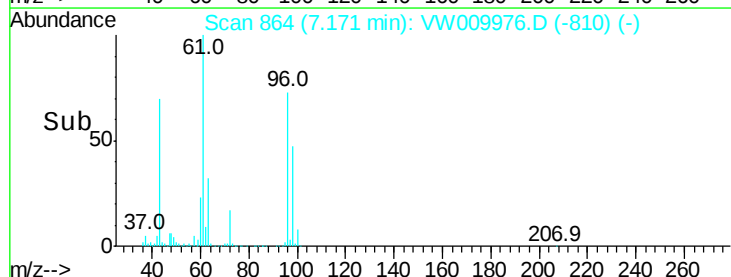
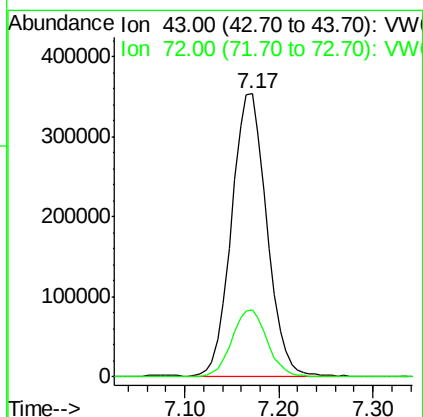
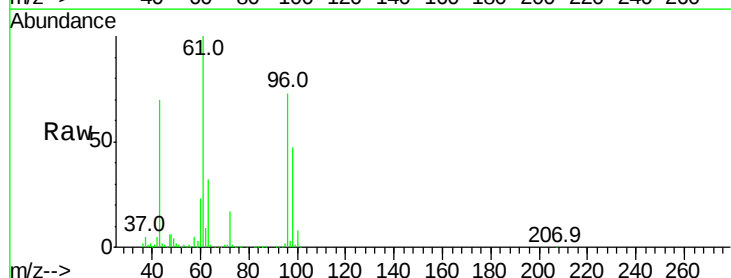
Acq: 15 Apr 2019 16:40

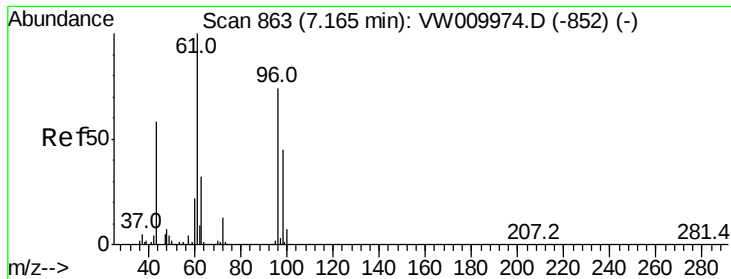
Tgt Ion: 43 Resp: 923978

Ion Ratio Lower Upper

43 100

72 23.8 11.9 35.7



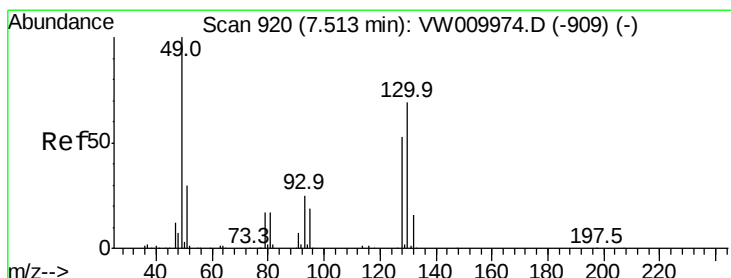
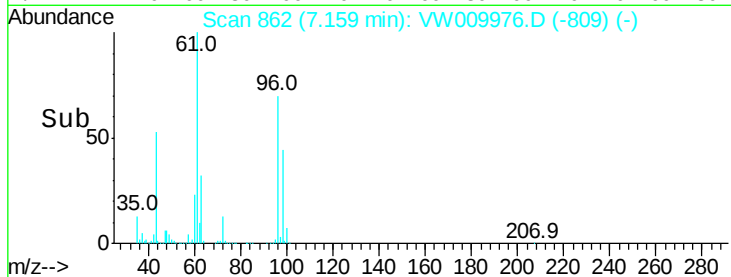
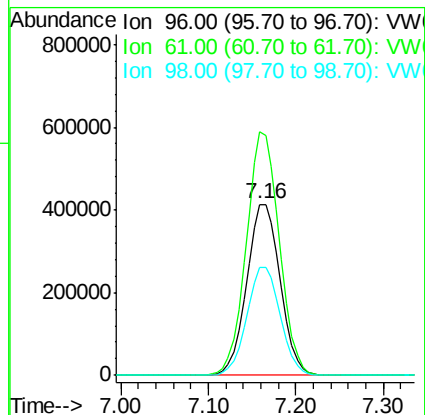
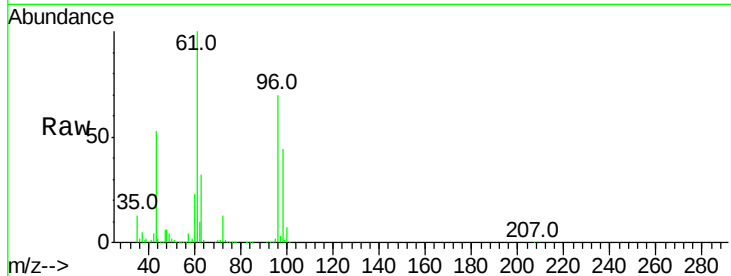


#22

cis-1,2-Dichloroethene
 Concen: 107.476 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW009976.D
 Acq: 15 Apr 2019 16:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10007

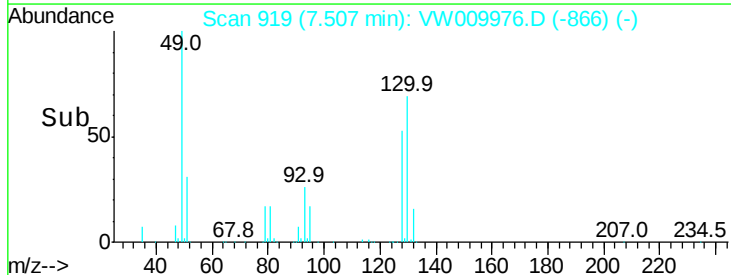
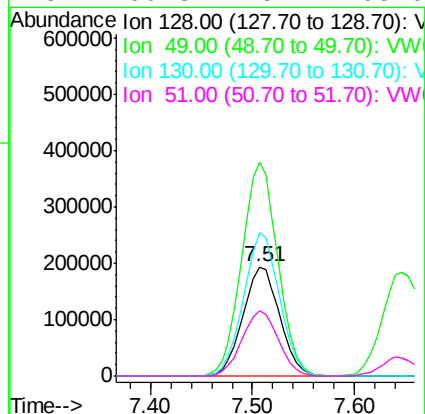
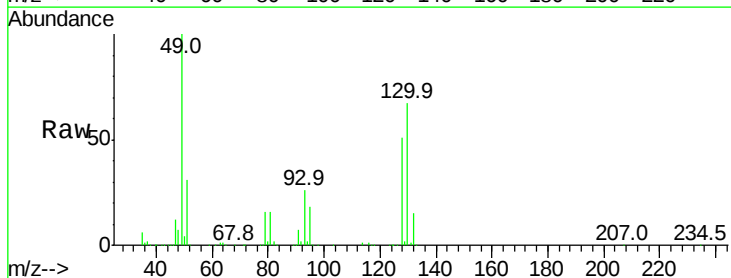
Tgt Ion: 96 Resp: 1095864
 Ion Ratio Lower Upper
 96 100
 61 142.3 94.7 175.9
 98 62.9 42.8 79.6

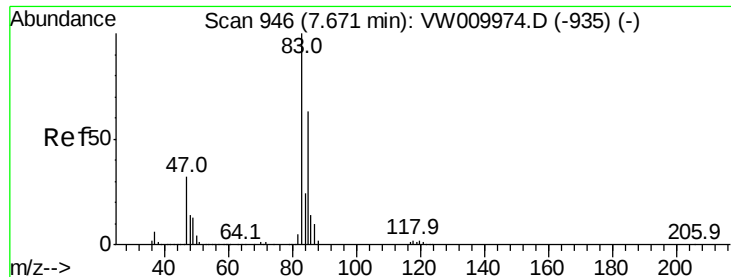


#23

Bromochloromethane
 Concen: 103.234 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW009976.D
 Acq: 15 Apr 2019 16:40

Tgt Ion: 128 Resp: 482924
 Ion Ratio Lower Upper
 128 100
 49 195.4 132.2 245.4
 130 131.0 91.5 169.9
 51 60.3 45.4 68.0

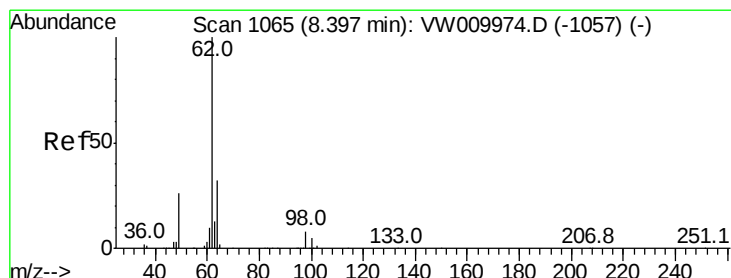
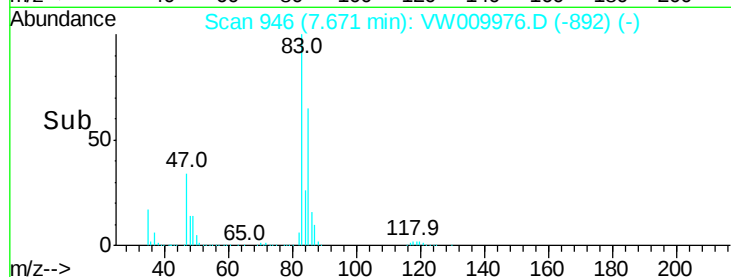
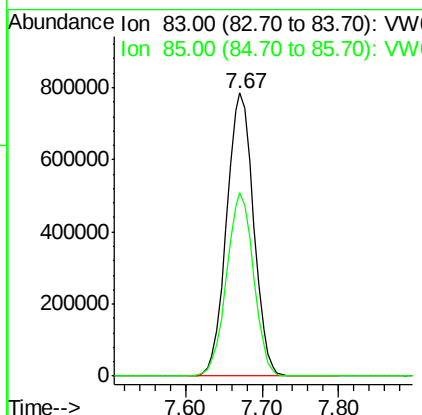
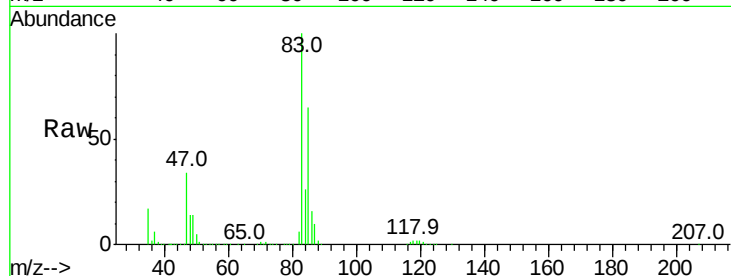




#25
Chloroform
Concen: 99.634 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009976.D
Acq: 15 Apr 2019 16:40

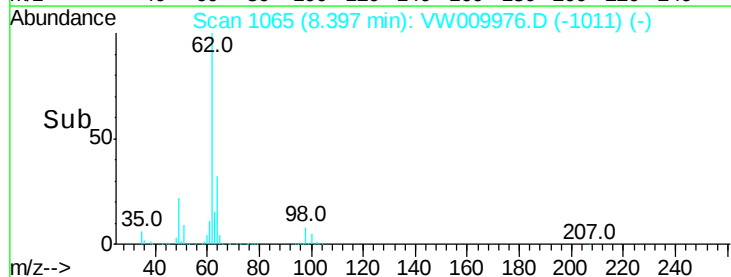
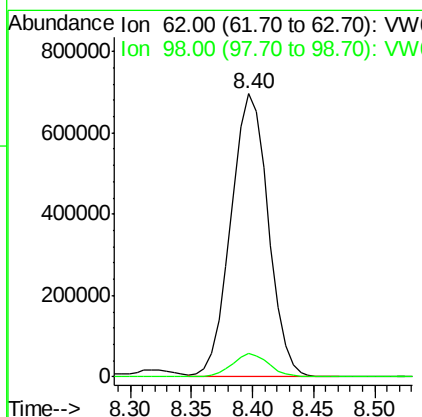
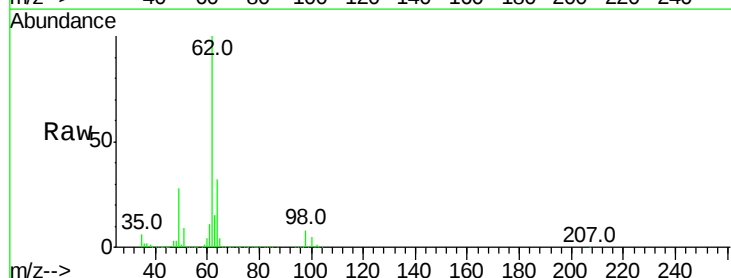
Instrument :
MSVOA_W
ClientSampleId :
VSTD10007

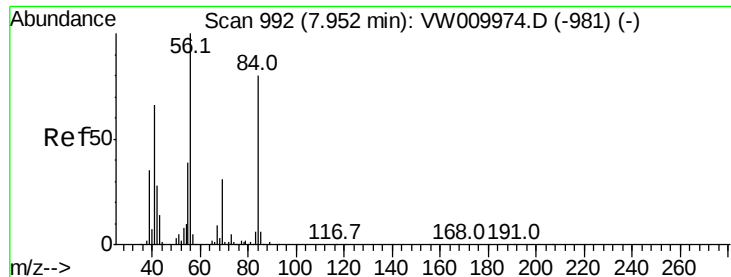
Tgt Ion: 83 Resp: 1909400
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 101.969 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009976.D
Acq: 15 Apr 2019 16:40

Tgt Ion: 62 Resp: 1478004
Ion Ratio Lower Upper
62 100
98 8.1 6.6 10.0

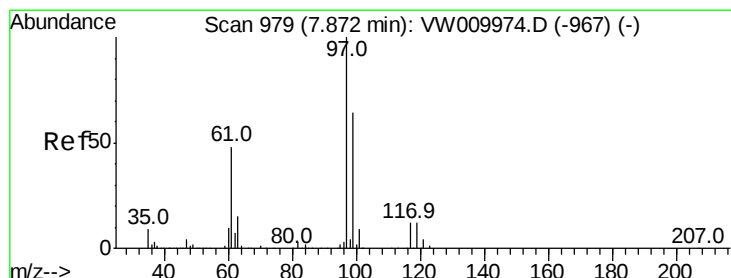
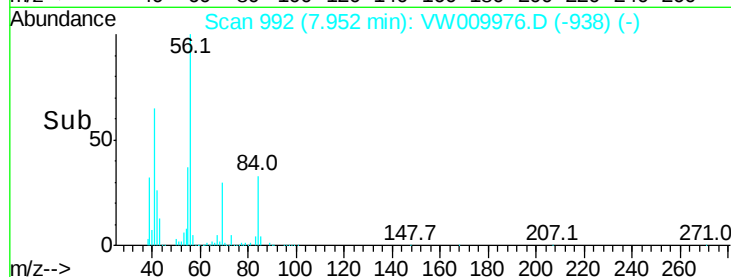
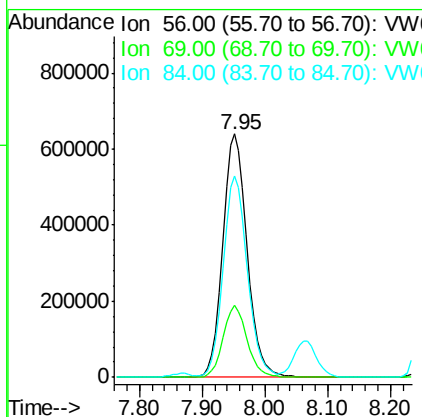
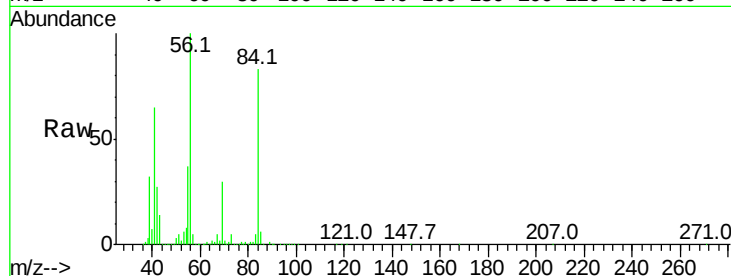




#30
Cyclohexane
Concen: 106.524 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009976.D
Acq: 15 Apr 2019 16:40

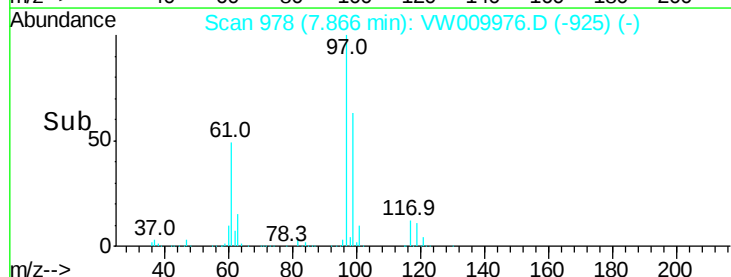
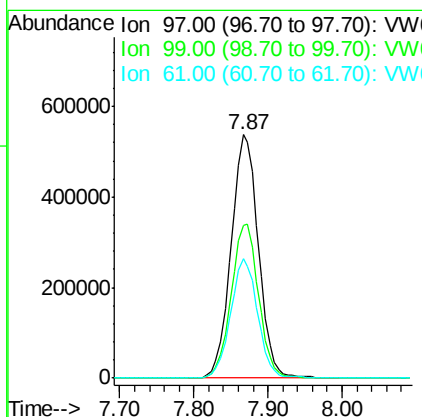
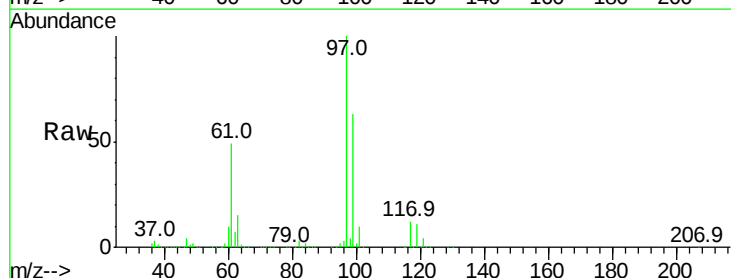
Instrument :
MSVOA_W
ClientSampleId :
VSTD10007

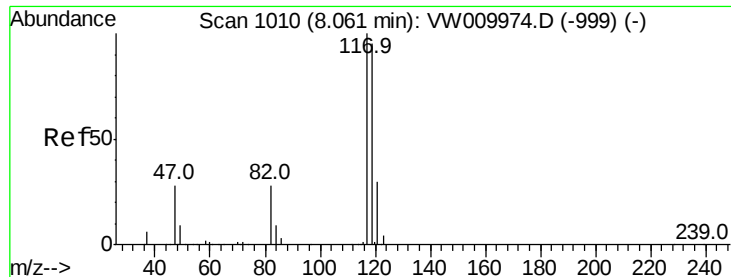
Tgt Ion: 56 Resp: 1714556
Ion Ratio Lower Upper
56 100
69 29.1 23.4 35.0
84 82.6 65.5 98.3



#31
1,1,1-Trichloroethane
Concen: 89.053 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW009976.D
Acq: 15 Apr 2019 16:40

Tgt Ion: 97 Resp: 1377642
Ion Ratio Lower Upper
97 100
99 63.8 50.8 76.2
61 48.6 39.3 58.9





#32

Carbon tetrachloride

Concen: 89.282 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

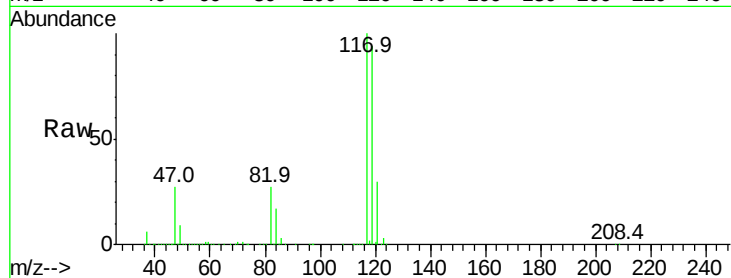
VSTD10007

Tgt Ion:117 Resp: 1384747

Ion Ratio Lower Upper

117 100

119 95.4 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

600000

500000

400000

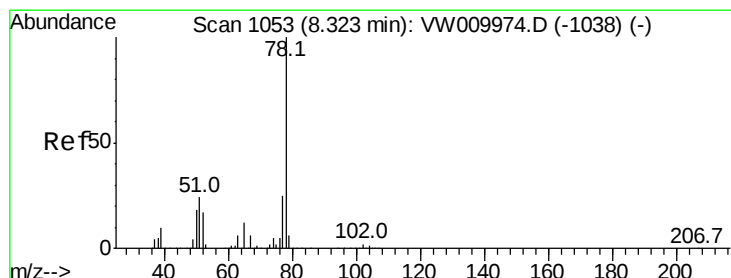
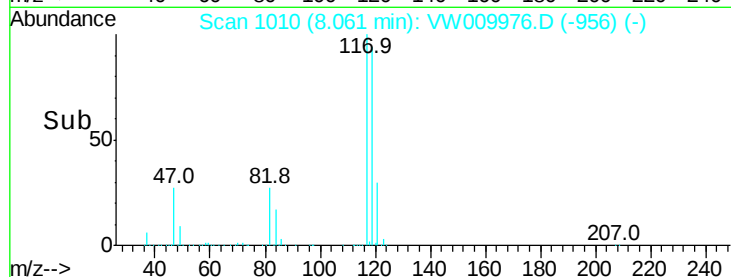
300000

200000

100000

0

Time--> 7.90 8.00 8.10 8.20



#34

Benzene

Concen: 97.954 ug/L

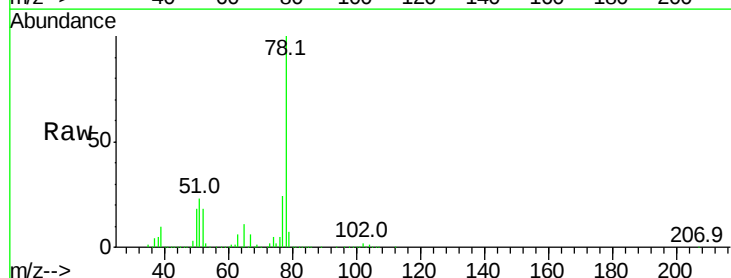
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Tgt Ion: 78 Resp: 4018966



Abundance Ion 78.00 (77.70 to 78.70): VW

2000000

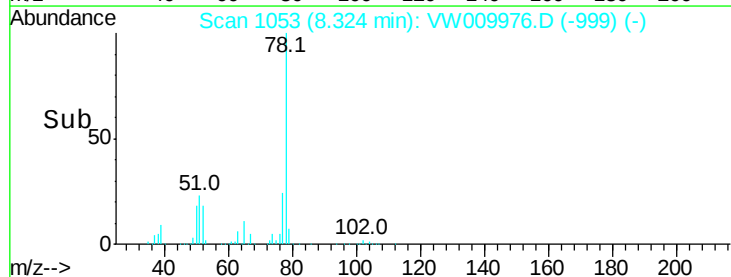
1500000

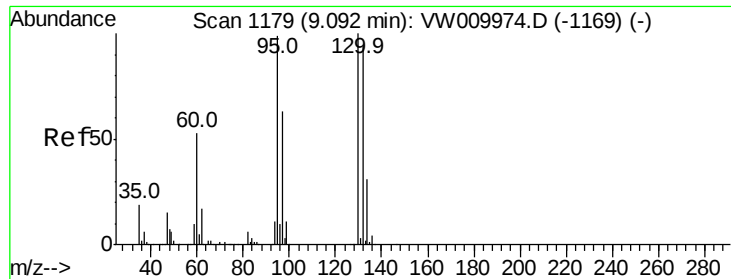
1000000

500000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 97.407 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10007

Tgt Ion: 95 Resp: 1045908

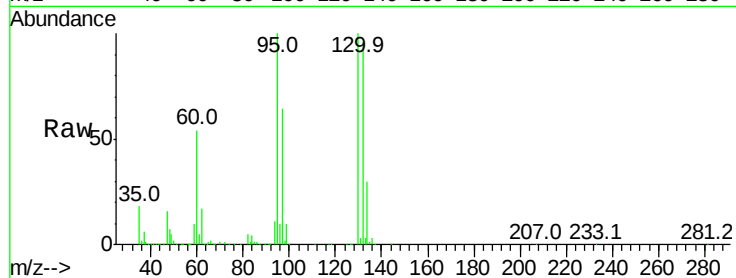
Ion Ratio Lower Upper

95 100

97 63.9 45.3 84.1

132 93.9 65.6 121.8

130 98.5 68.5 127.3

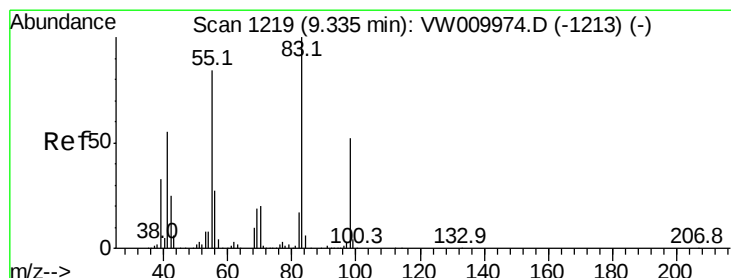
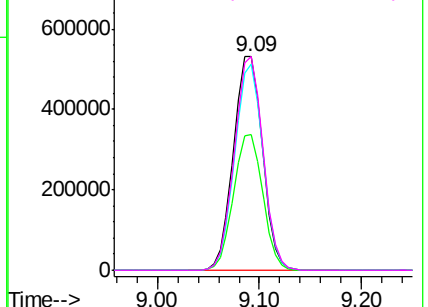
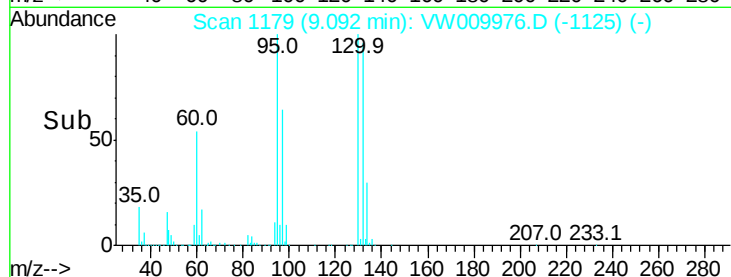


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 100.129 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

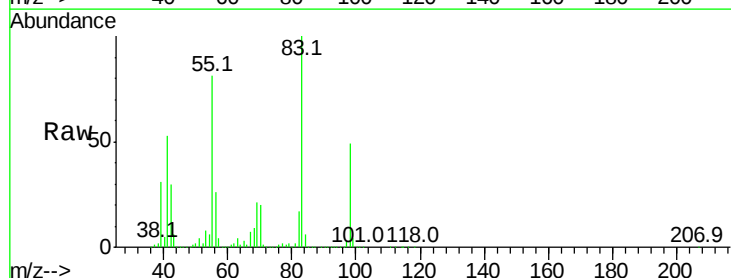
Tgt Ion: 83 Resp: 1767597

Ion Ratio Lower Upper

83 100

55 83.4 68.4 102.6

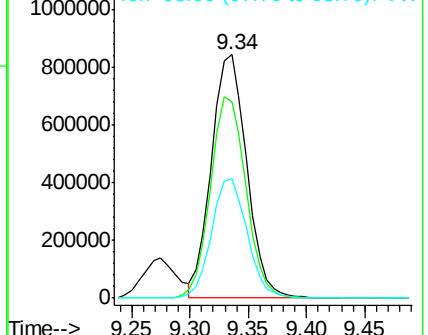
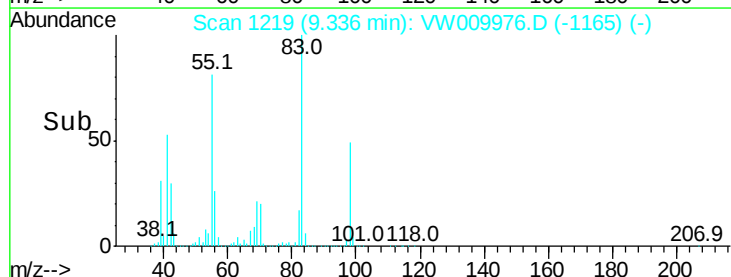
98 49.6 40.0 60.0

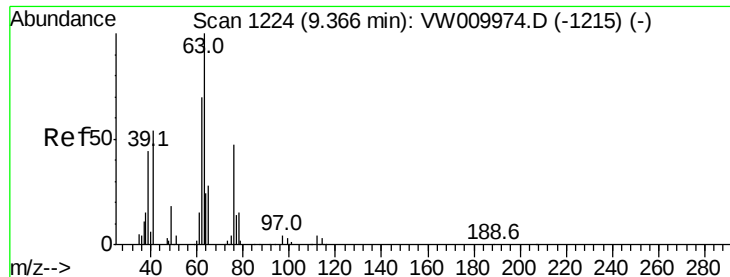


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 100.548 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

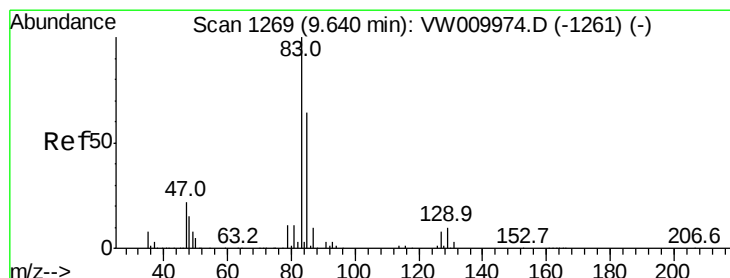
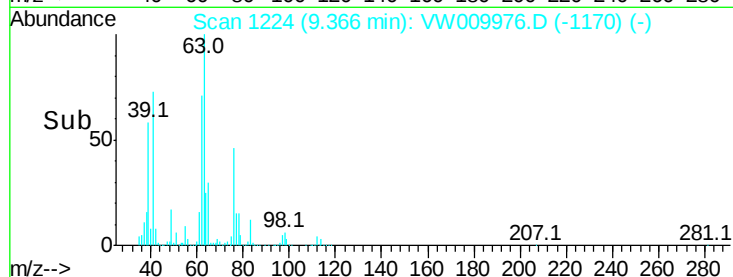
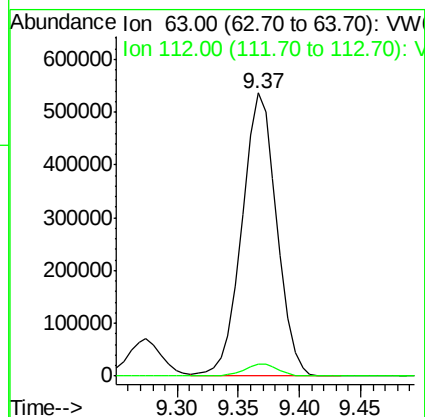
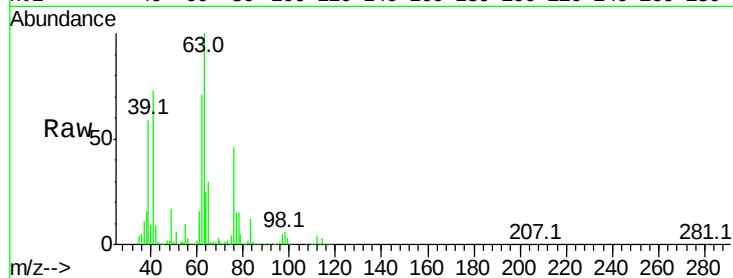
VSTD10007

Tgt Ion: 63 Resp: 1056042

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



#41

Bromodichloromethane

Concen: 101.874 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

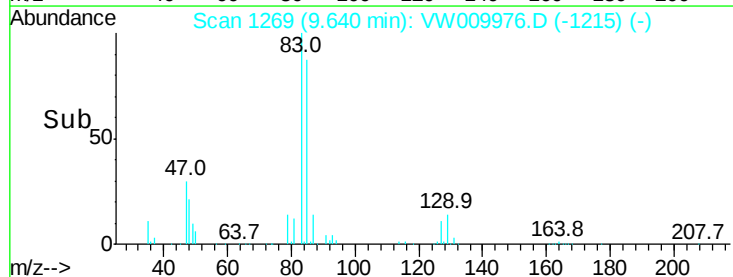
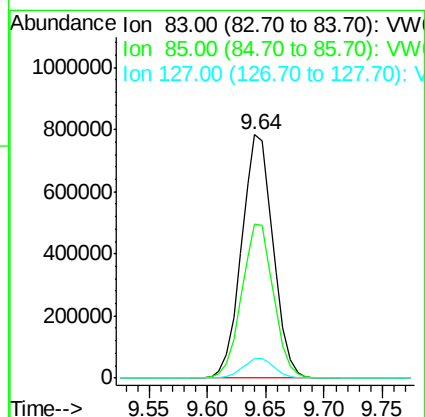
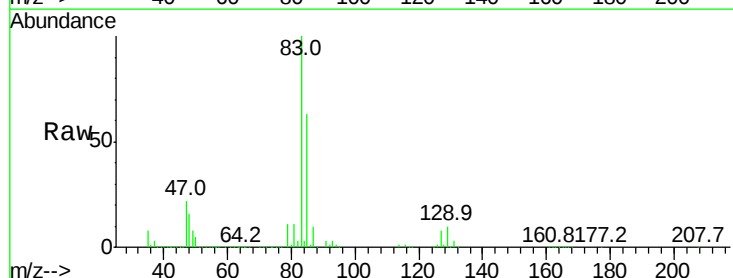
Tgt Ion: 83 Resp: 1476366

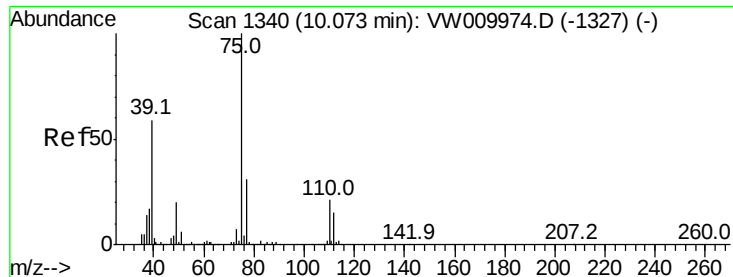
Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.9

127 7.8 6.1 9.1





#42

cis-1,3-Dichloropropene

Concen: 110.621 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampled :

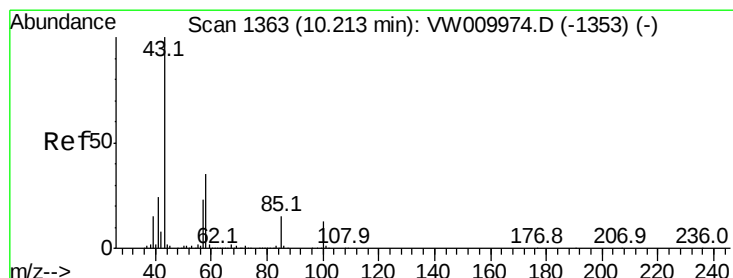
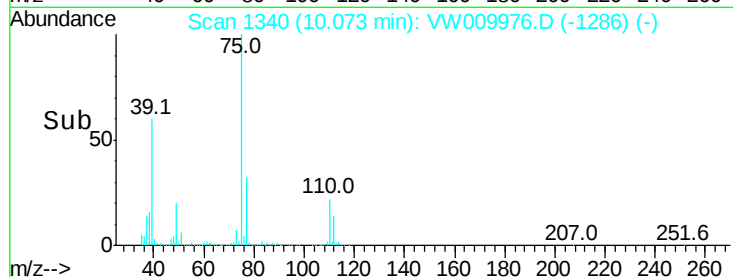
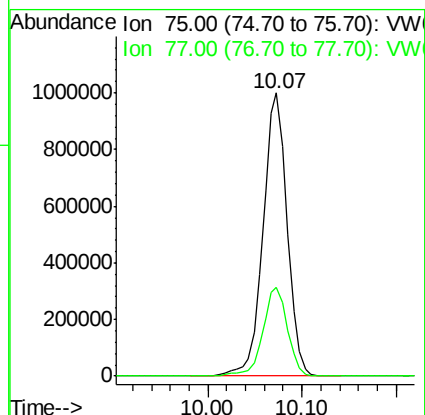
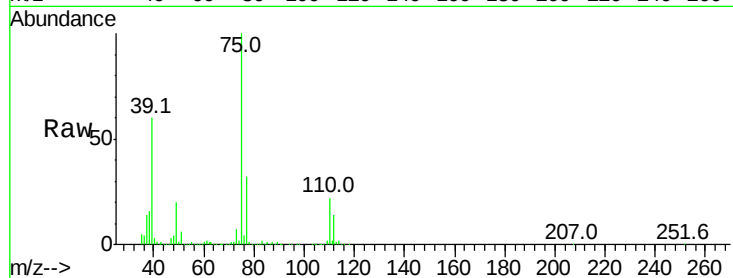
VSTD10007

Tgt Ion: 75 Resp: 1799947

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4



#43

4-Methyl-2-pentanone

Concen: 242.407 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

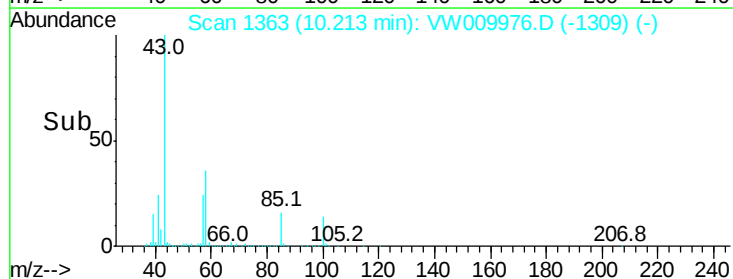
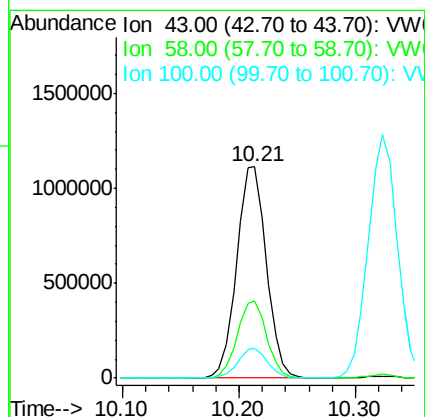
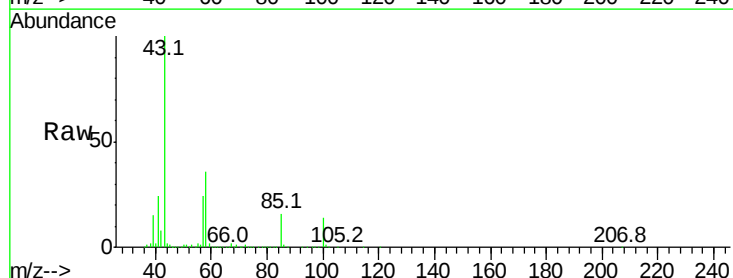
Tgt Ion: 43 Resp: 1977652

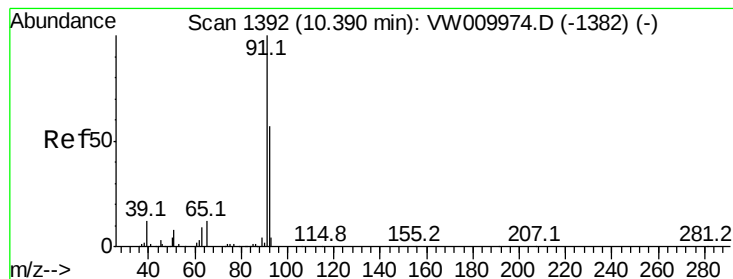
Ion Ratio Lower Upper

43 100

58 36.1 27.9 41.9

100 13.7 10.5 15.7





#44

Toluene

Concen: 99.706 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampled :

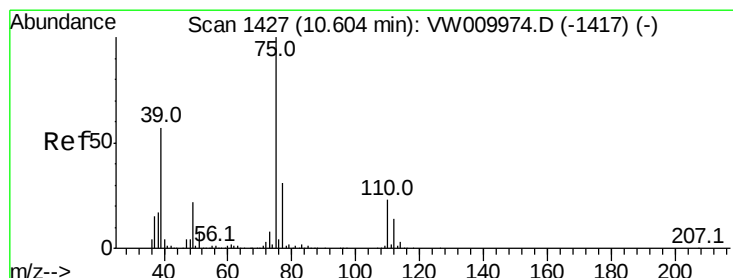
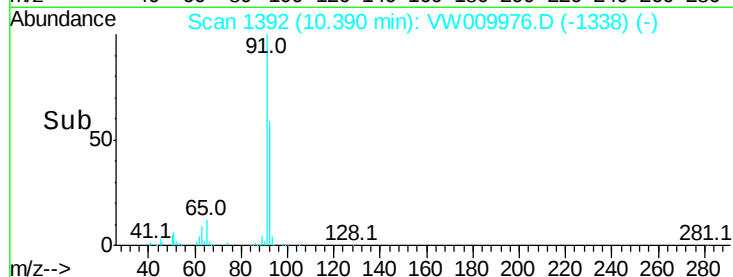
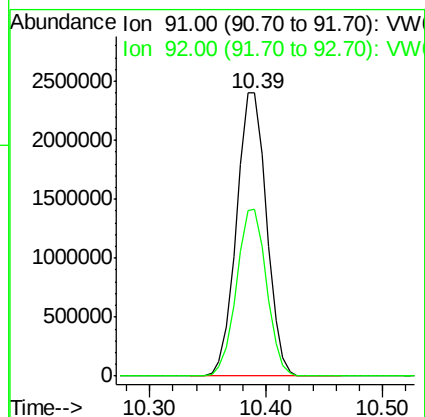
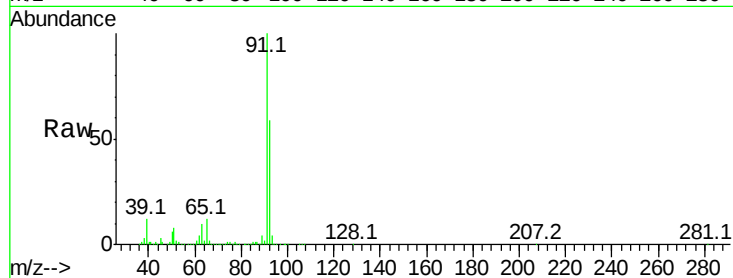
VSTD10007

Tgt Ion: 91 Resp: 4333652

Ion Ratio Lower Upper

91 100

92 58.9 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 112.160 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009976.D

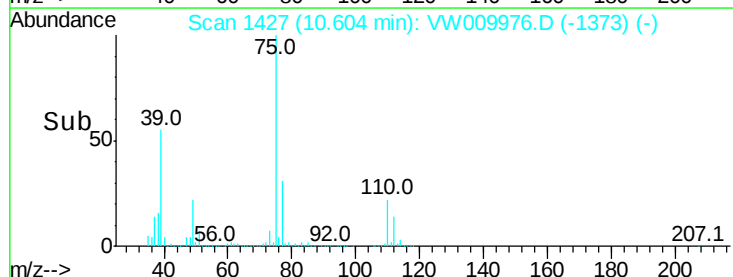
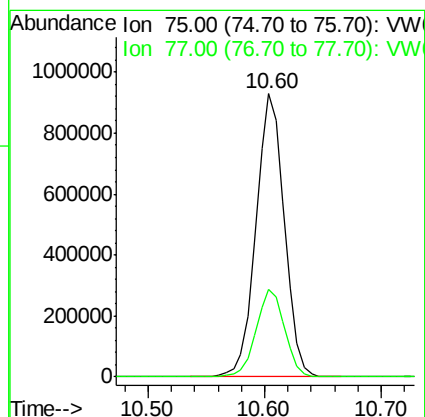
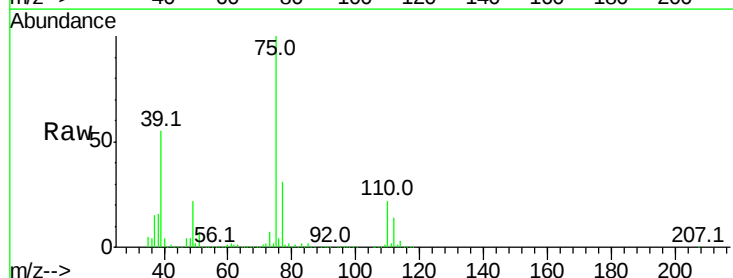
Acq: 15 Apr 2019 16:40

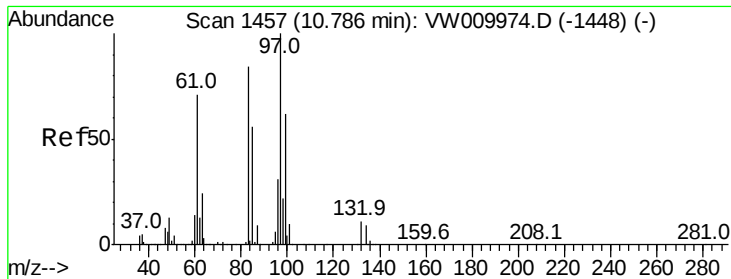
Tgt Ion: 75 Resp: 1573417

Ion Ratio Lower Upper

75 100

77 30.8 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 104.848 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10007

Tgt Ion: 97 Resp: 826566

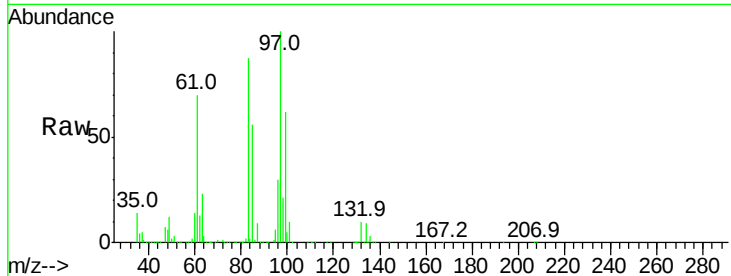
Ion Ratio Lower Upper

97 100

83 86.7 59.1 109.7

85 56.0 39.3 73.1

99 62.4 43.6 81.0

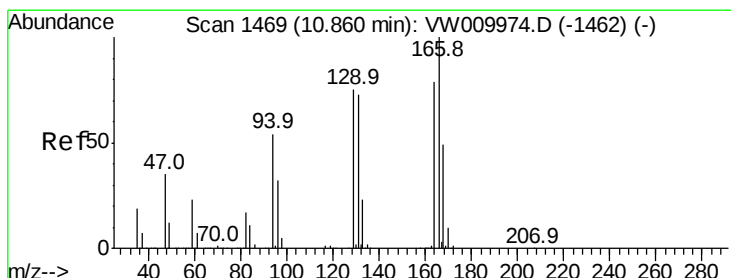
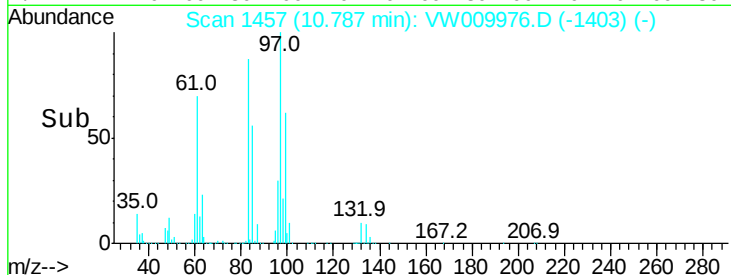
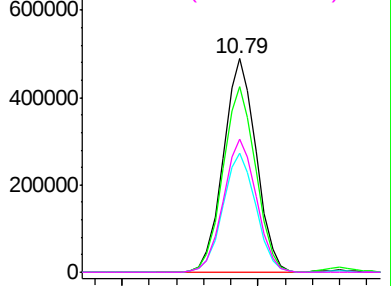


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 93.934 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Tgt Ion: 164 Resp: 794379

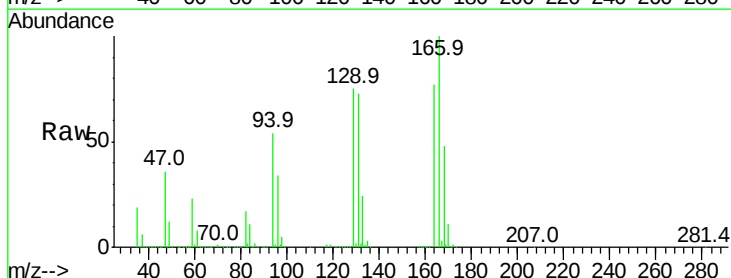
Ion Ratio Lower Upper

164 100

129 98.0 66.8 124.2

131 94.8 65.2 121.0

166 130.1 89.0 165.2

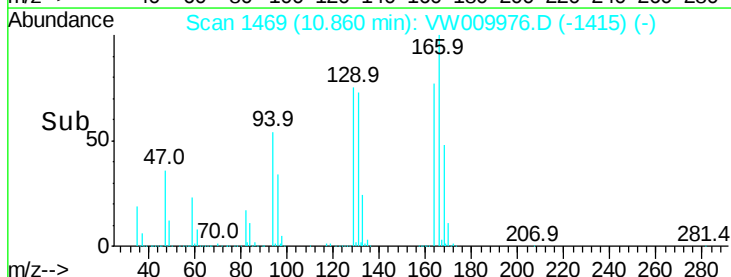
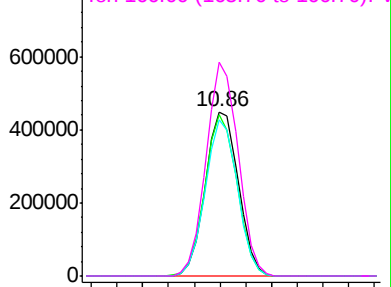


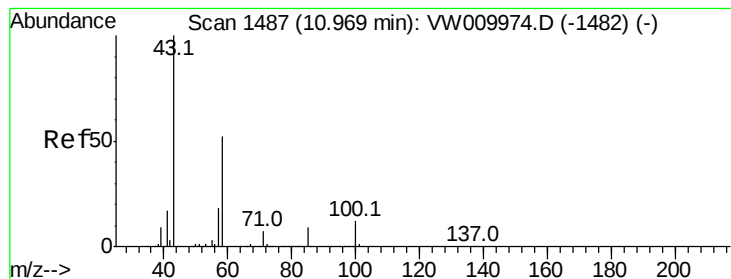
Abundance Ion 164.00 (163.70 to 164.70): V

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: 233.126 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10007

Tgt Ion: 43 Resp: 1416165

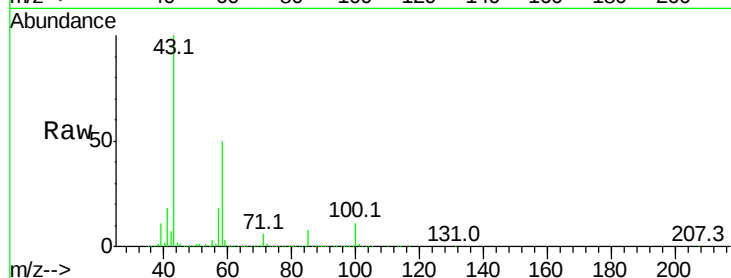
Ion Ratio Lower Upper

43 100

58 51.0 39.8 59.8

57 17.7 14.1 21.1

100 10.6 8.4 12.6

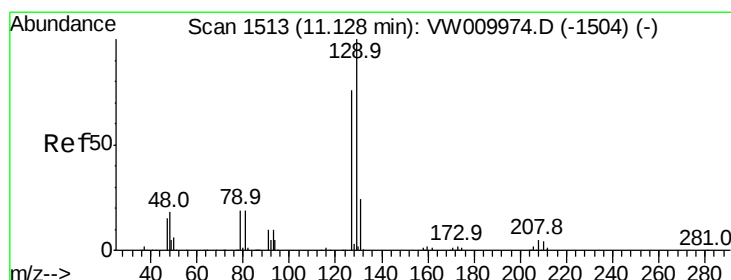
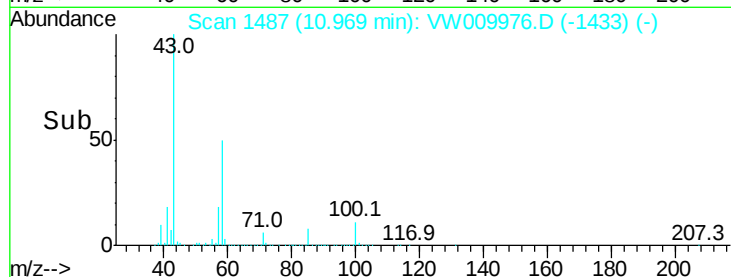
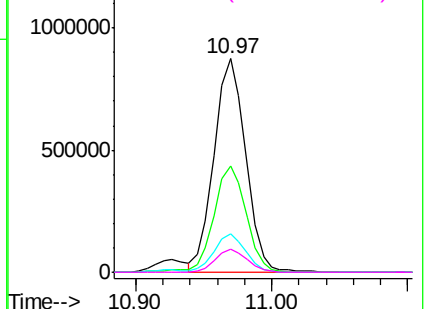


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 106.600 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009976.D

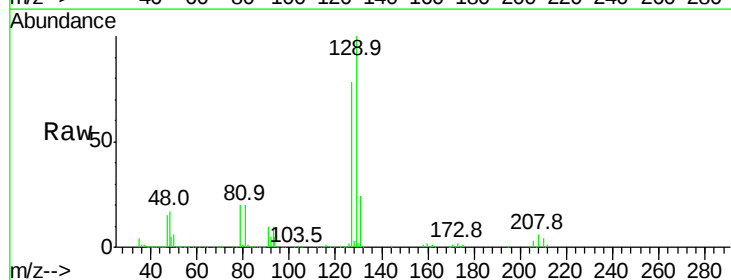
Acq: 15 Apr 2019 16:40

Tgt Ion: 129 Resp: 1032460

Ion Ratio Lower Upper

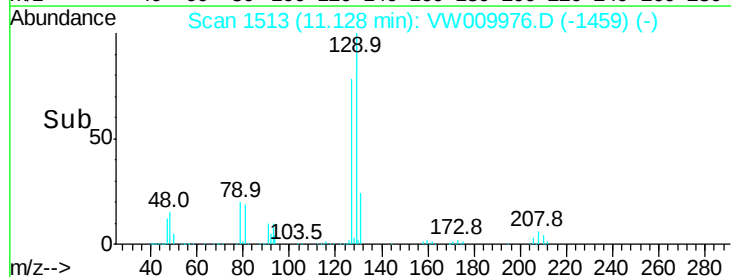
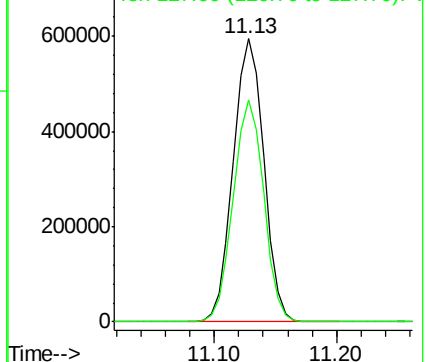
129 100

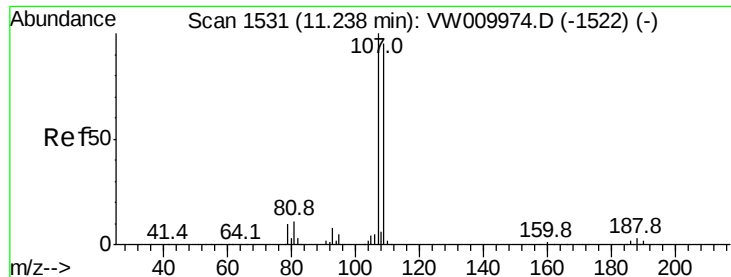
127 78.5 53.5 99.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

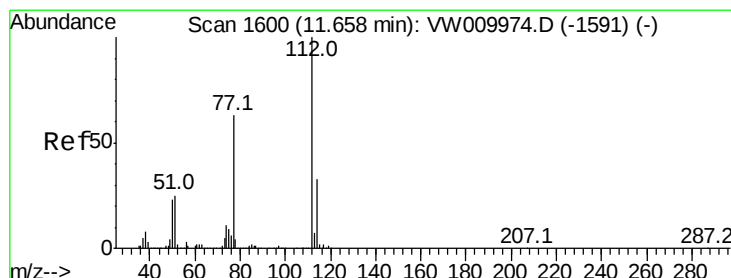
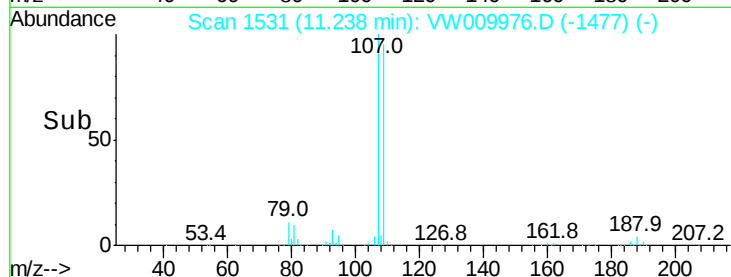
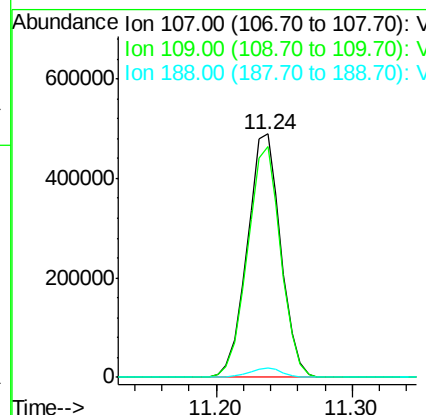
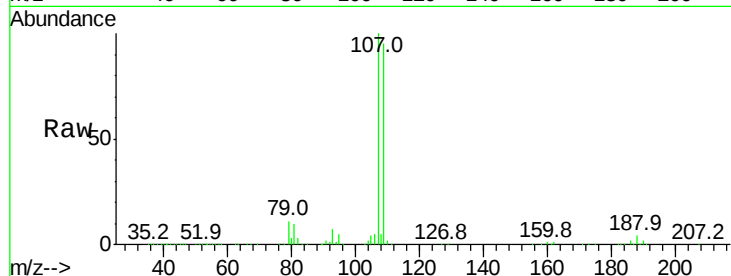




#51
 1,2-Dibromoethane
 Concen: 106.270 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW009976.D
 Acq: 15 Apr 2019 16:40

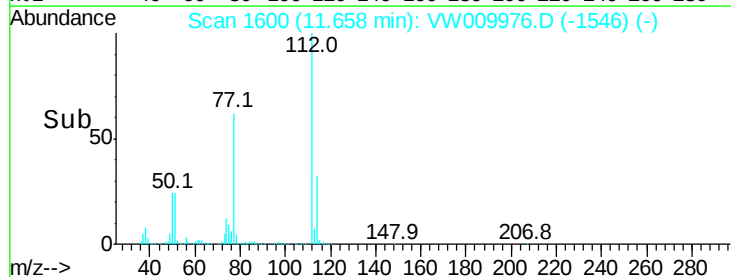
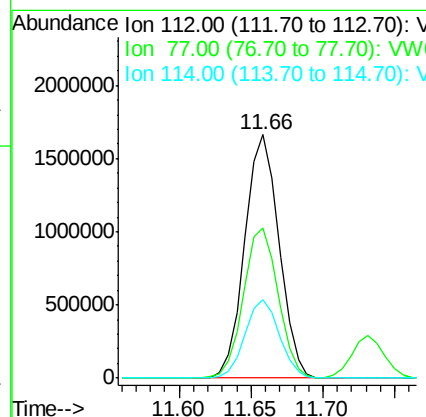
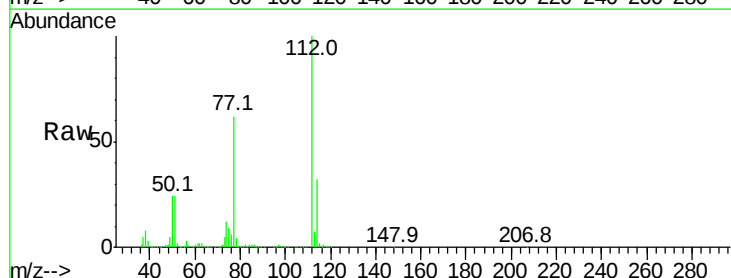
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10007

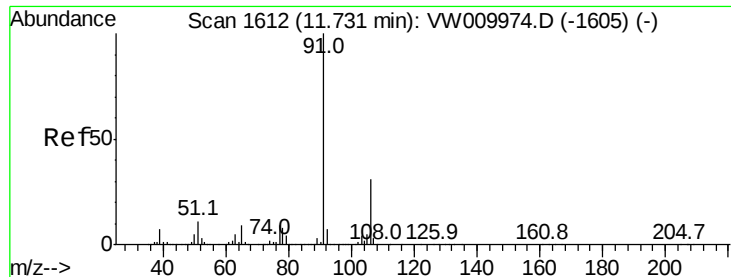
Tgt Ion:107 Resp: 839672
 Ion Ratio Lower Upper
 107 100
 109 94.7 66.4 123.4
 188 3.7 2.7 4.1



#52
 Chlorobenzene
 Concen: 98.184 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW009976.D
 Acq: 15 Apr 2019 16:40

Tgt Ion:112 Resp: 2746913
 Ion Ratio Lower Upper
 112 100
 77 61.8 50.2 75.4
 114 32.1 22.7 42.3





#53

Ethylbenzene

Concen: 100.616 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

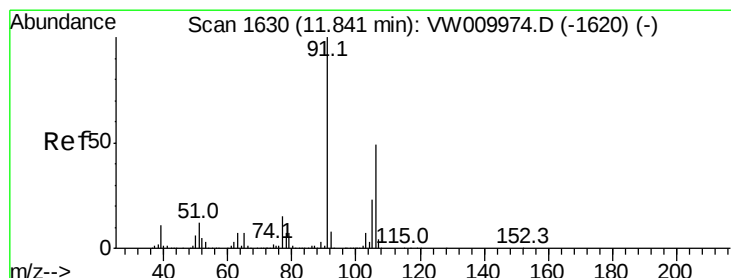
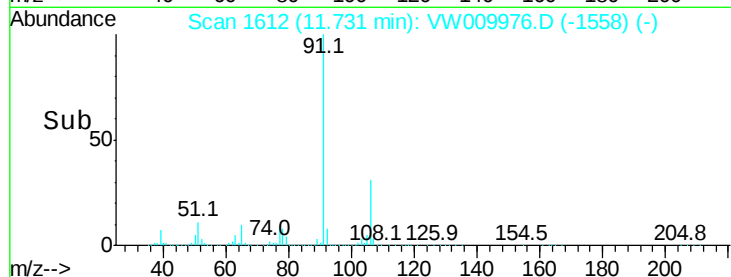
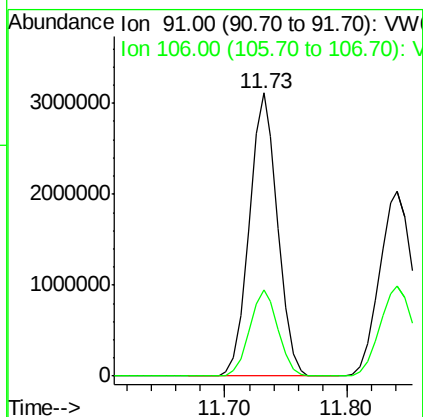
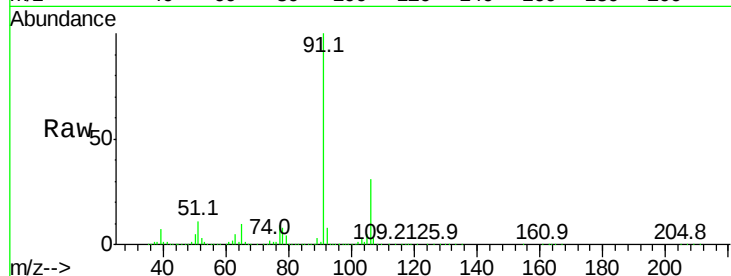
VSTD10007

Tgt Ion: 91 Resp: 4981631

Ion Ratio Lower Upper

91 100

106 30.5 21.8 40.4



#54

m,p-Xylene

Concen: 101.257 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009976.D

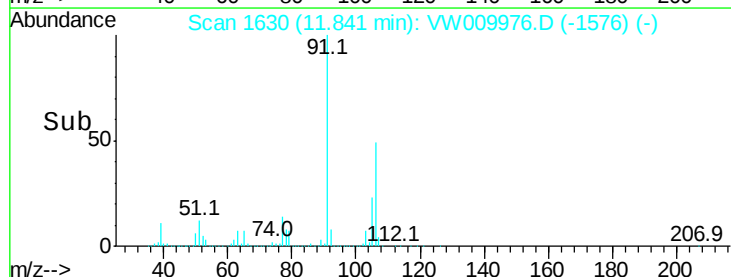
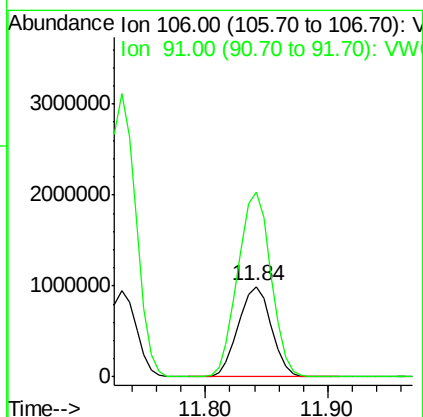
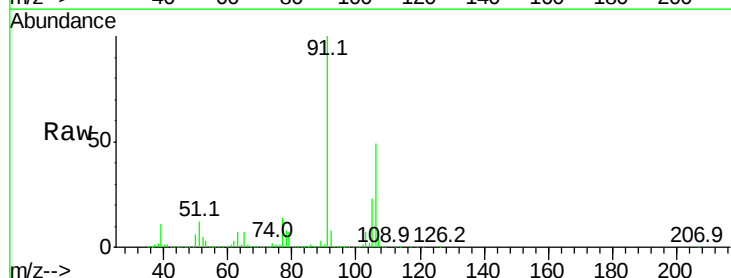
Acq: 15 Apr 2019 16:40

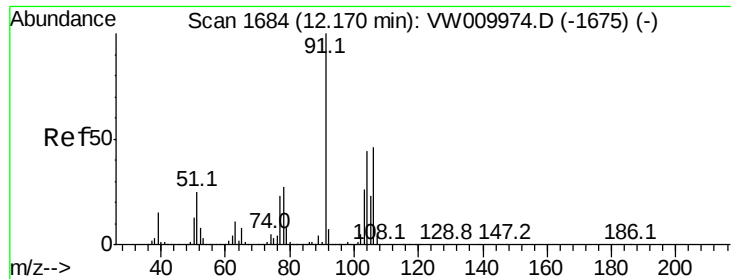
Tgt Ion: 106 Resp: 1854273

Ion Ratio Lower Upper

106 100

91 205.6 143.4 266.2





#55

o-xylene

Concen: 104.282 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampled :

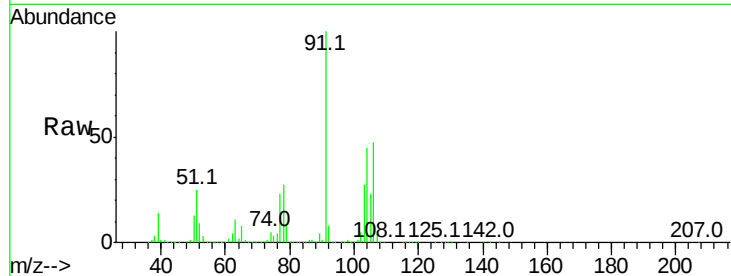
VSTD10007

Tgt Ion:106 Resp: 1818784

Ion Ratio Lower Upper

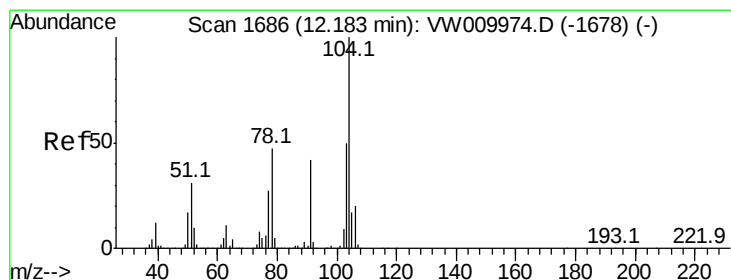
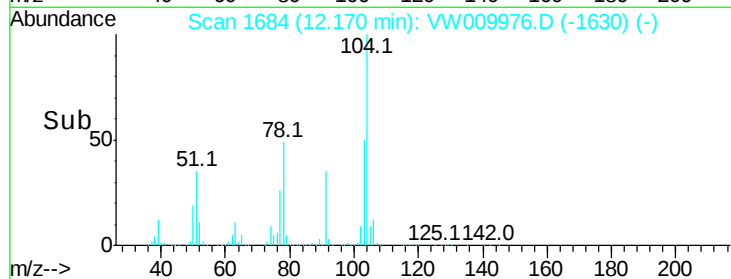
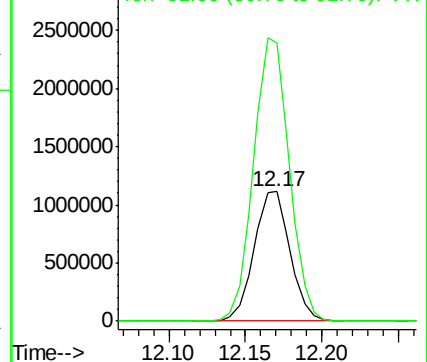
106 100

91 214.8 152.2 282.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 104.959 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009976.D

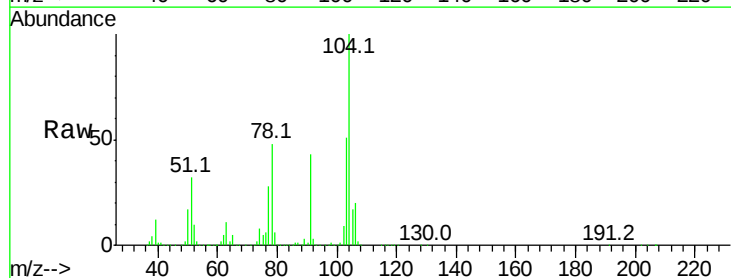
Acq: 15 Apr 2019 16:40

Tgt Ion:104 Resp: 3176308

Ion Ratio Lower Upper

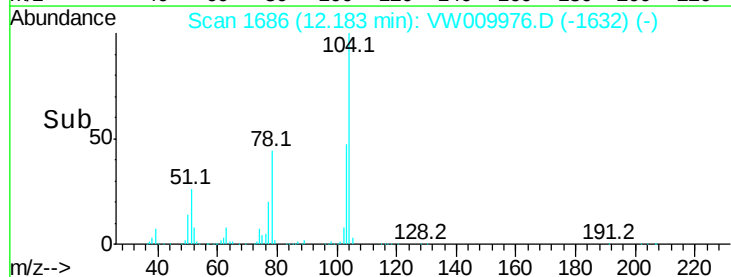
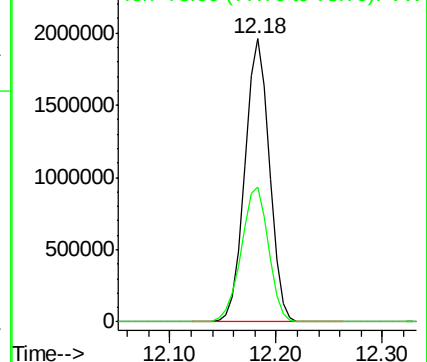
104 100

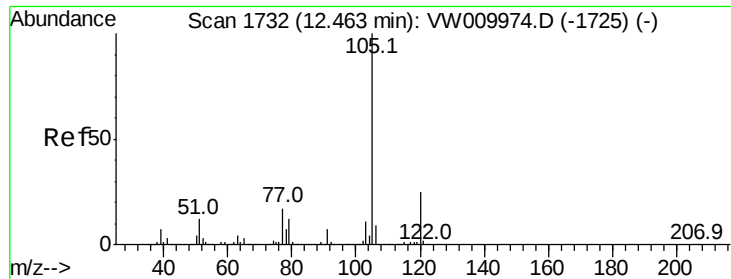
78 47.8 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 100.615 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10007

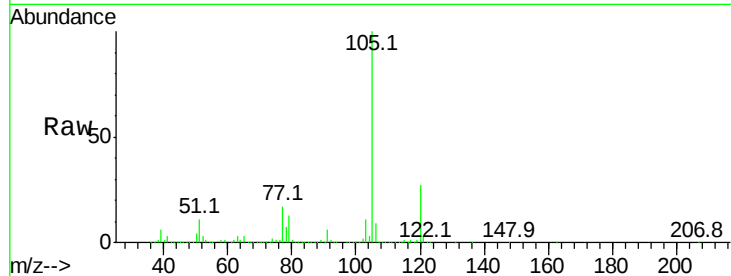
Tgt Ion:105 Resp: 4805070

Ion Ratio Lower Upper

105 100

120 26.3 20.6 30.8

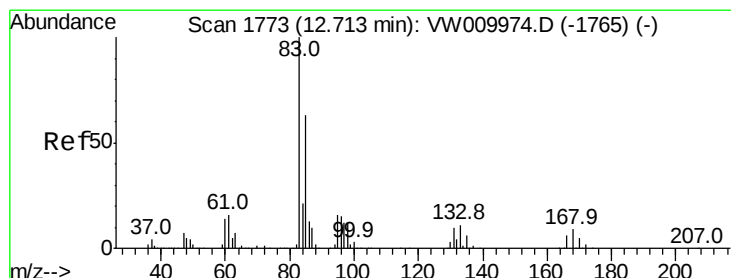
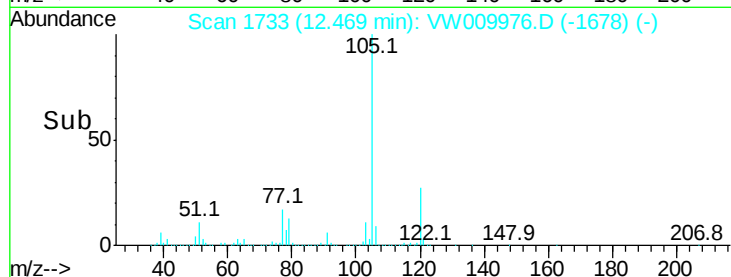
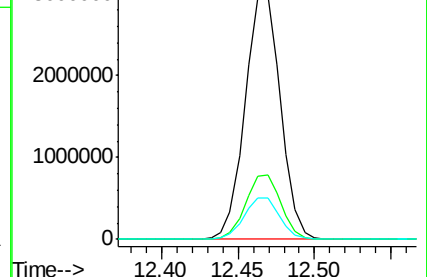
77 16.9 13.4 20.2



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: 104.778 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

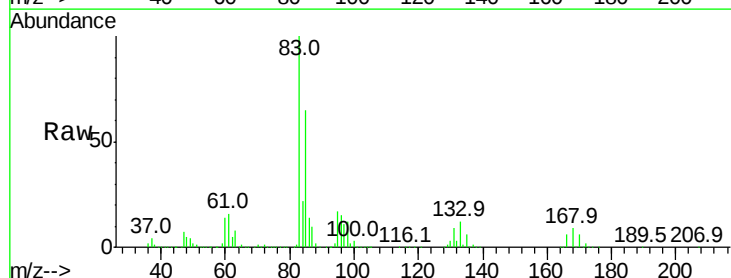
Tgt Ion: 83 Resp: 1110720

Ion Ratio Lower Upper

83 100

85 64.7 44.1 81.9

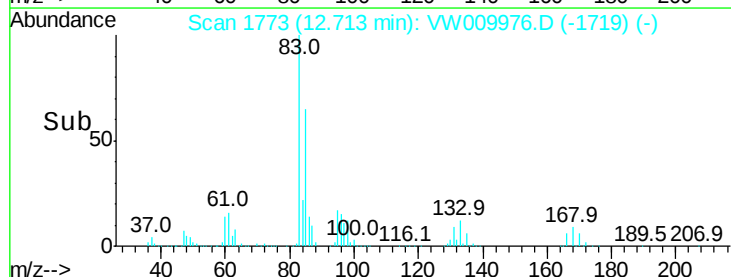
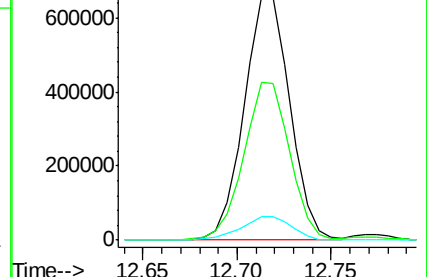
131 9.5 8.3 12.5

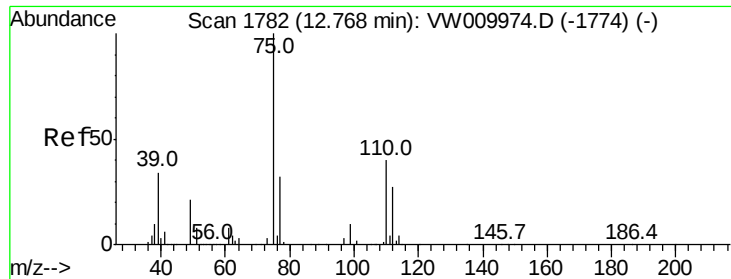


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 106.143 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

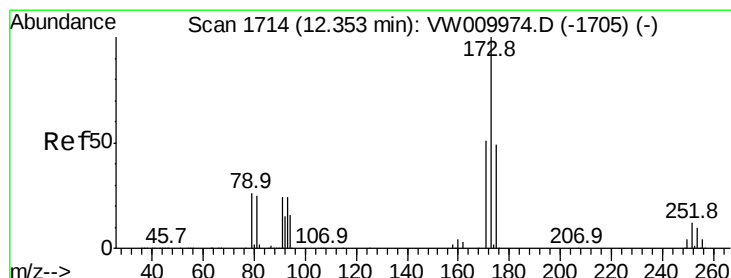
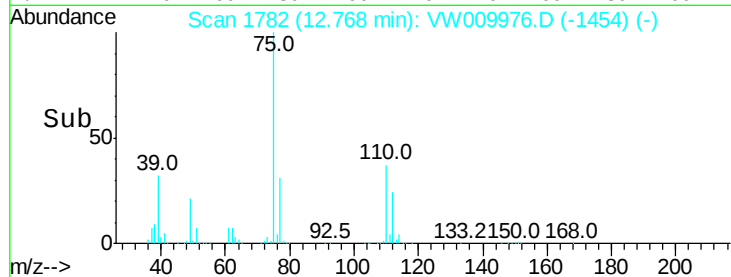
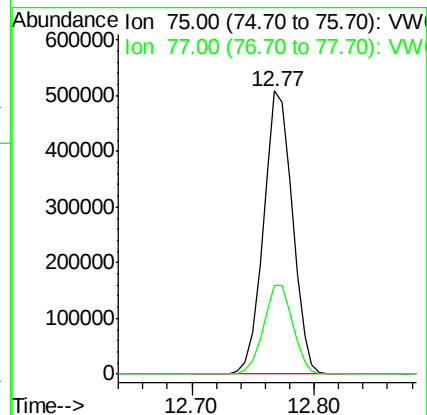
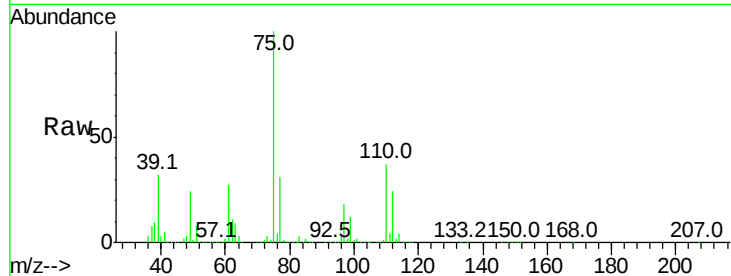
VSTD10007

Tgt Ion: 75 Resp: 837589

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6



#62

Bromoform

Concen: 107.194 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

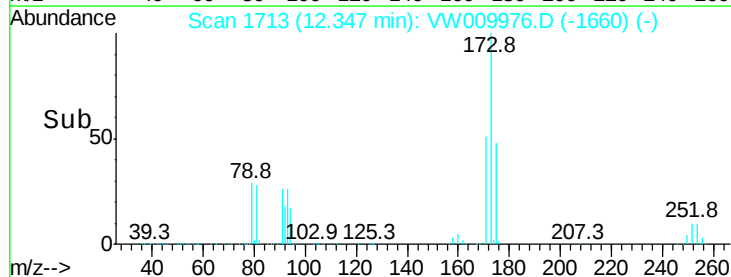
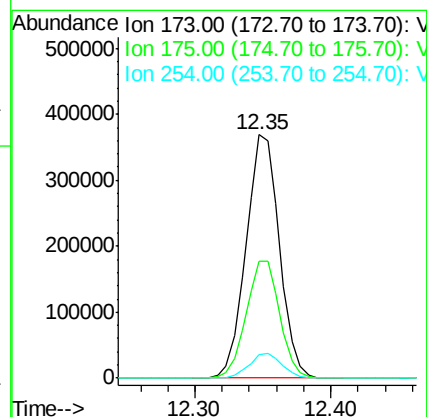
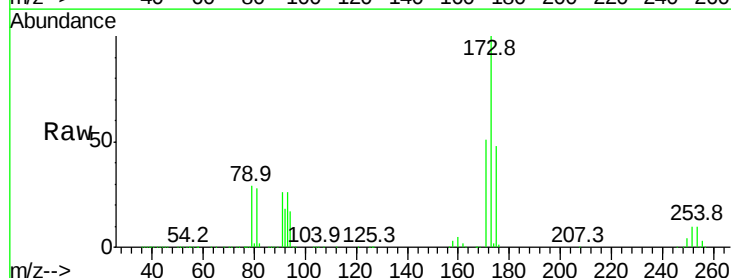
Tgt Ion: 173 Resp: 631094

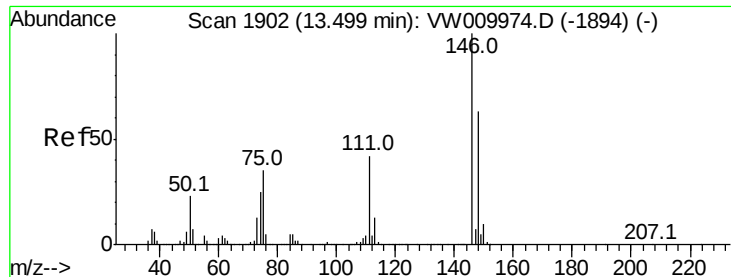
Ion Ratio Lower Upper

173 100

175 48.5 38.4 57.6

254 10.1 7.7 11.5

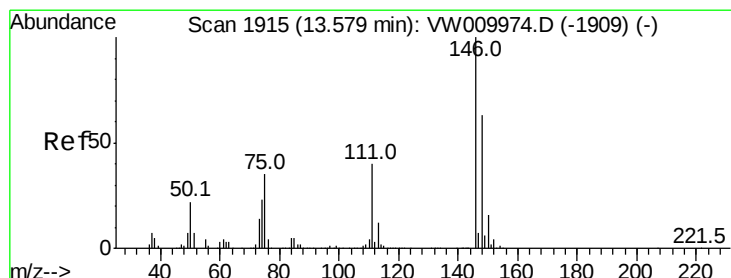
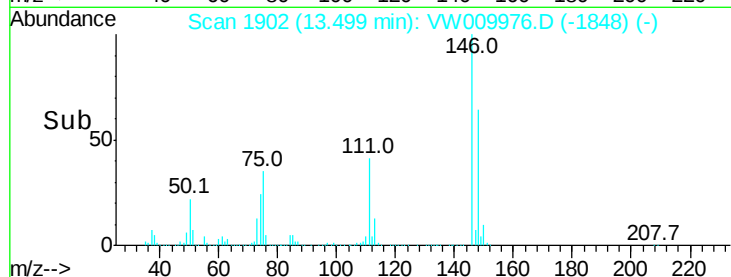
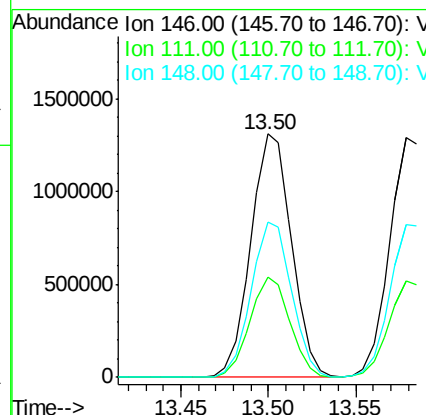
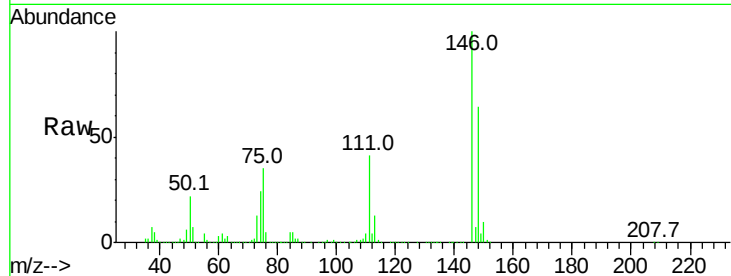




#63
 1,3-Dichlorobenzene
 Concen: 102.299 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009976.D
 Acq: 15 Apr 2019 16:40

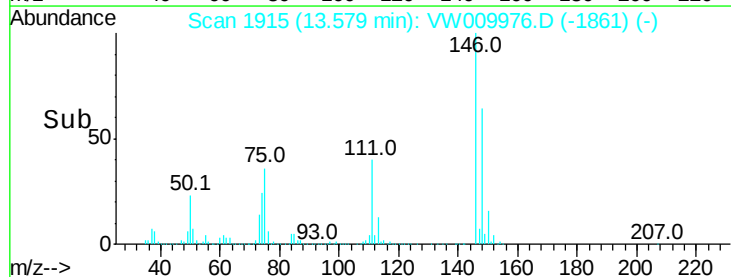
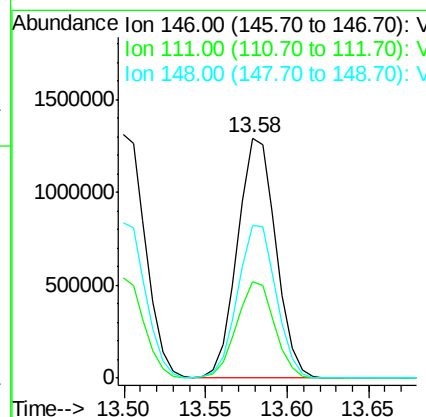
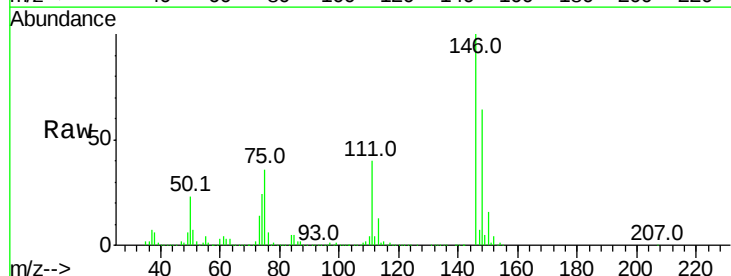
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10007

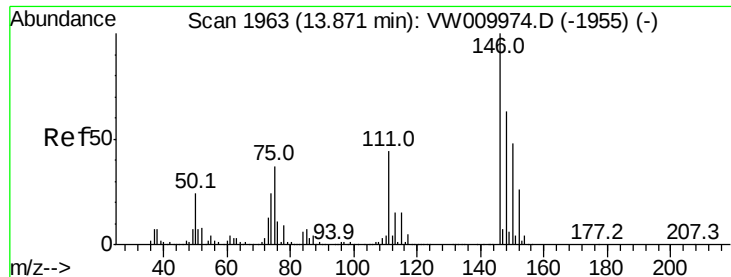
Tgt Ion:146 Resp: 2118945
 Ion Ratio Lower Upper
 146 100
 111 41.3 29.3 54.3
 148 63.8 44.1 81.9



#64
 1,4-Dichlorobenzene
 Concen: 95.706 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009976.D
 Acq: 15 Apr 2019 16:40

Tgt Ion:146 Resp: 2113960
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.0 52.0
 148 63.6 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 99.377 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10007

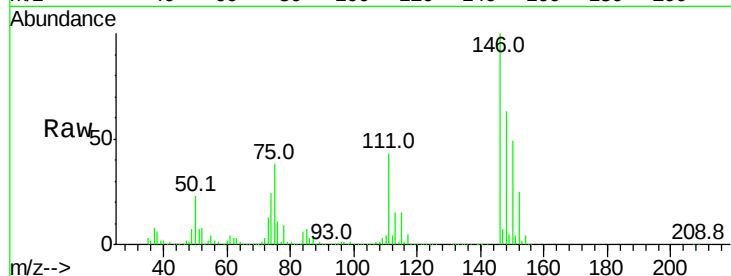
Tgt Ion:146 Resp: 1969295

Ion Ratio Lower Upper

146 100

111 42.9 35.0 52.6

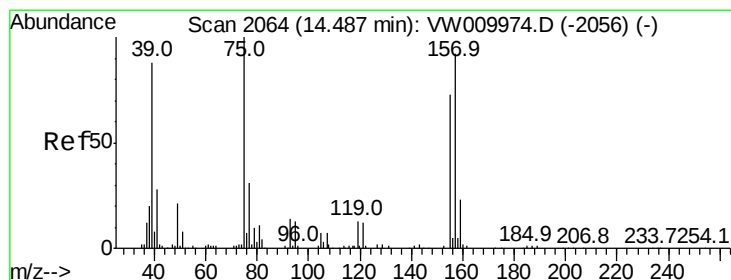
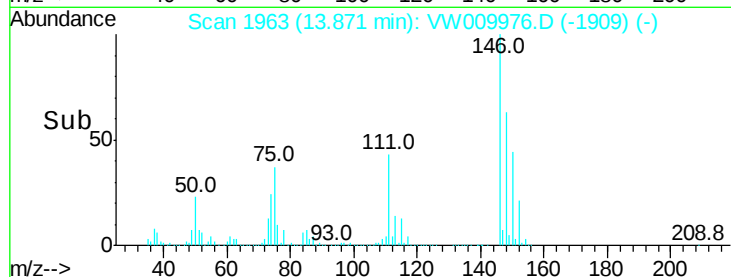
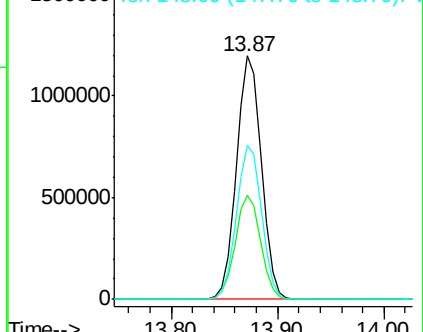
148 63.4 50.4 75.6



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: 108.219 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

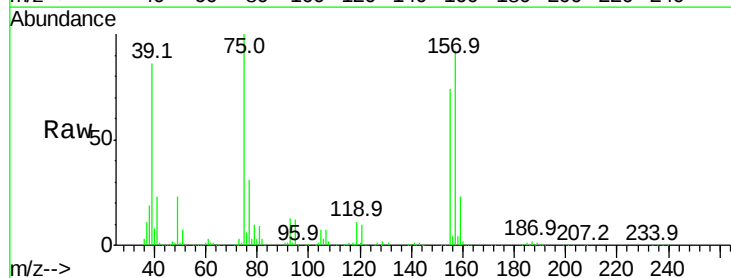
Tgt Ion: 75 Resp: 208749

Ion Ratio Lower Upper

75 100

157 91.8 73.3 109.9

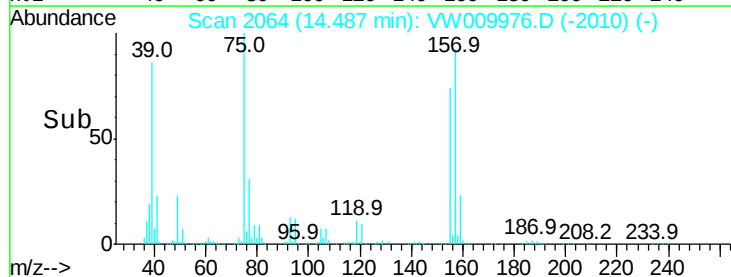
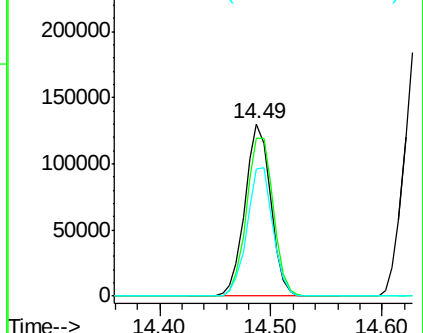
155 73.7 58.6 88.0

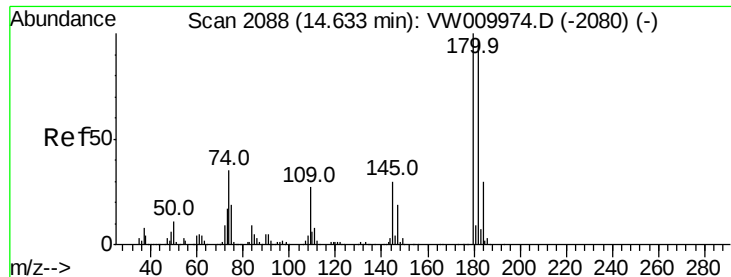


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

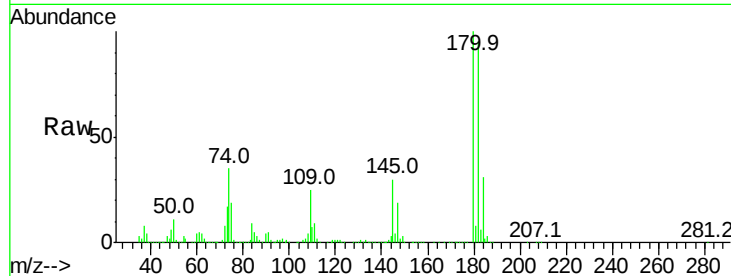




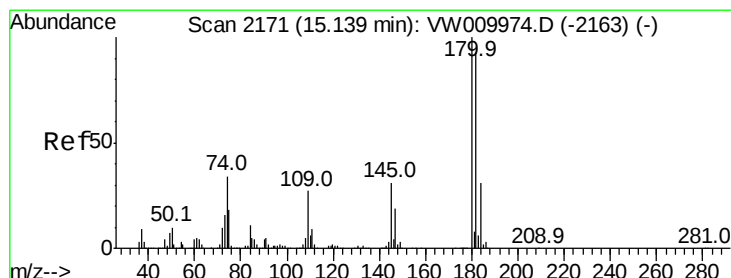
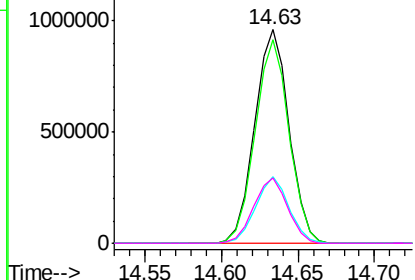
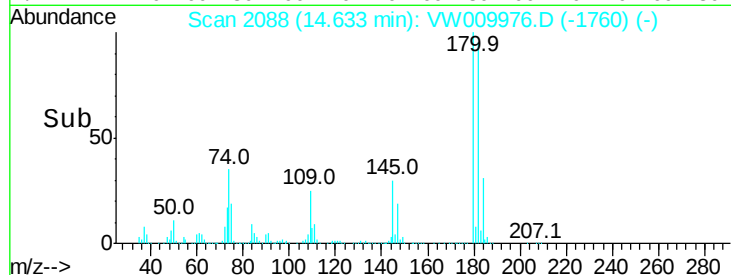
#67
 1,3,5-Trichlorobenzene
 Concen: 97.518 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009976.D
 Acq: 15 Apr 2019 16:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10007

Tgt Ion:180 Resp: 1498733
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.8 115.2
 184 30.2 24.0 36.0
 145 30.2 24.4 36.6

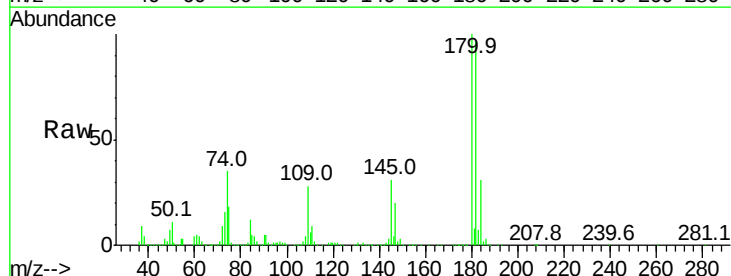


Abundance Ion 180.00 (179.70 to 180.70): V
 1500000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

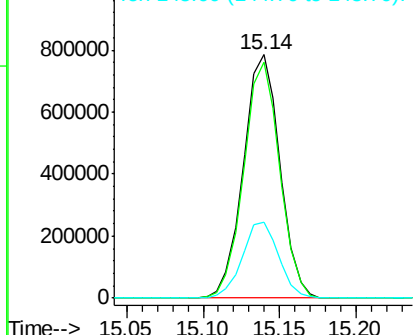
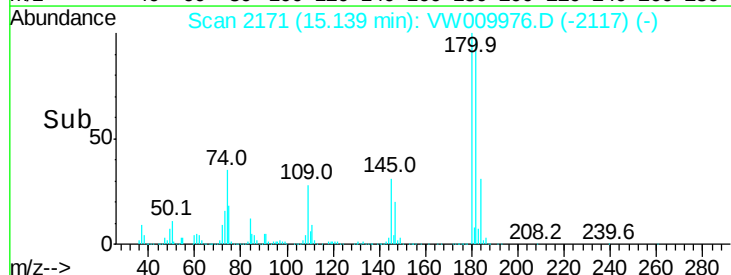


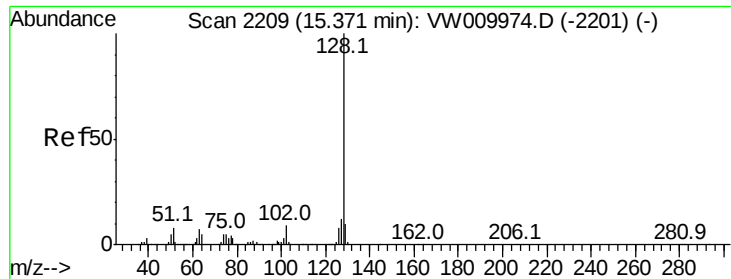
#68
 1,2,4-trichlorobenzene
 Concen: 105.440 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009976.D
 Acq: 15 Apr 2019 16:40

Tgt Ion:180 Resp: 1301390
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.4 113.0
 145 31.1 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V
 1000000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 124.480 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10007

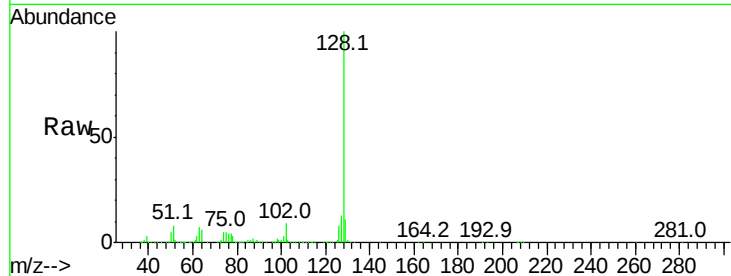
Tgt Ion:128 Resp: 3087963

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

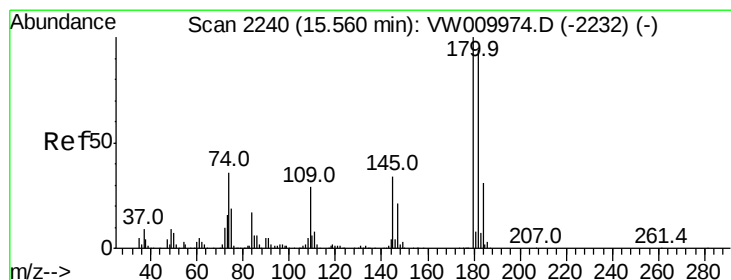
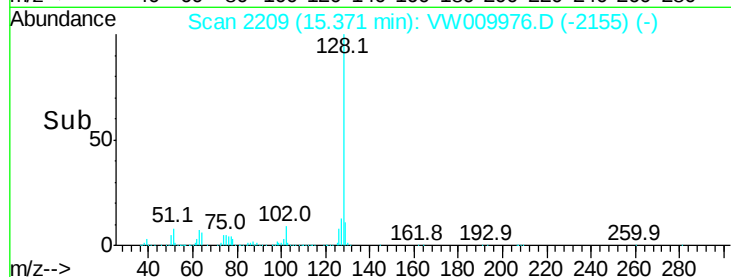
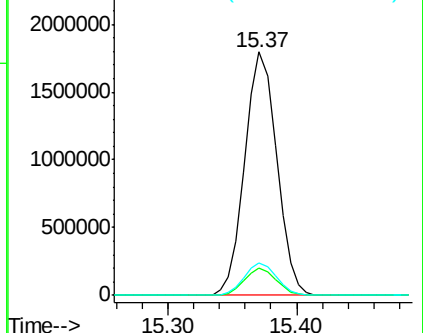
127 13.4 10.6 16.0



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: 105.006 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009976.D

Acq: 15 Apr 2019 16:40

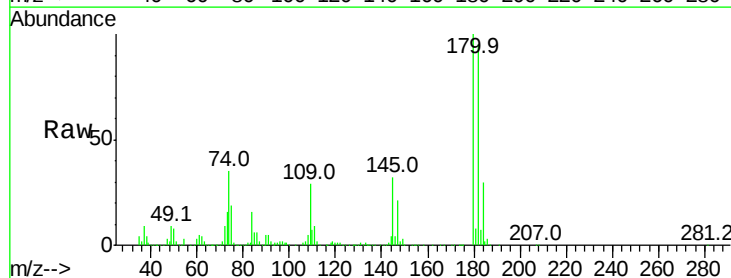
Tgt Ion:180 Resp: 1212393

Ion Ratio Lower Upper

180 100

182 95.1 76.0 114.0

145 32.9 26.3 39.5



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

