

Data File : VW009664.D
Acq On : 03 Apr 2019 15:10
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV15

Quant Time: Apr 04 02:00:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 03 14:53:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	550107	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	530518	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	264287	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	145324	20.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.76%
7) Chloroethane-d5	2.89	69	143020	21.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.76%
10) 1,1-Dichloroethene-d2	4.02	63	335185	21.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.60%
20) 2-Butanone-d5	7.07	46	109879	47.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.02%
24) Chloroform-d	7.64	84	339938	22.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	8.30	65	207486	22.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.04%
29) Benzene-d6	8.27	84	630973	22.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.64%
33) 1,2-Dichloropropane-d6	9.27	67	193199	22.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.84%
37) Toluene-d8	10.32	98	590150	22.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.68%
38) trans-1,3-Dichloropropene-	10.58	79	94067	22.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.72%
39) 2-Hexanone-d5	10.93	63	84056	51.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	183302	22.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	210204	22.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.68%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	152649	21.065	ug/L	88
3) Chloromethane	2.21	50	174921	23.358	ug/L	99
5) Vinyl chloride	2.37	62	210557	21.920	ug/L	96
6) Bromomethane	2.78	94	151782	22.835	ug/L	99
8) Chloroethane	2.92	64	147670	23.422	ug/L	97
9) Trichlorofluoromethane	3.25	101	137747	23.376	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	174448	22.760	ug/L	98
12) 1,1-Dichloroethene	4.03	96	167375	22.908	ug/L	98
13) Acetone	4.12	43	104580	41.761	ug/L	97
14) Carbon disulfide	4.38	76	517999	22.808	ug/L	100
15) Methyl Acetate	4.67	43	110320	24.161	ug/L	97
16) Methylene chloride	4.91	84	192882	19.881	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	254921	25.327	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	180949	23.813	ug/L	94
19) 1,1-Dichloroethane	6.21	63	349445	23.963	ug/L	98
21) 2-Butanone	7.17	43	153641	48.240	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	200670	24.692	ug/L	99

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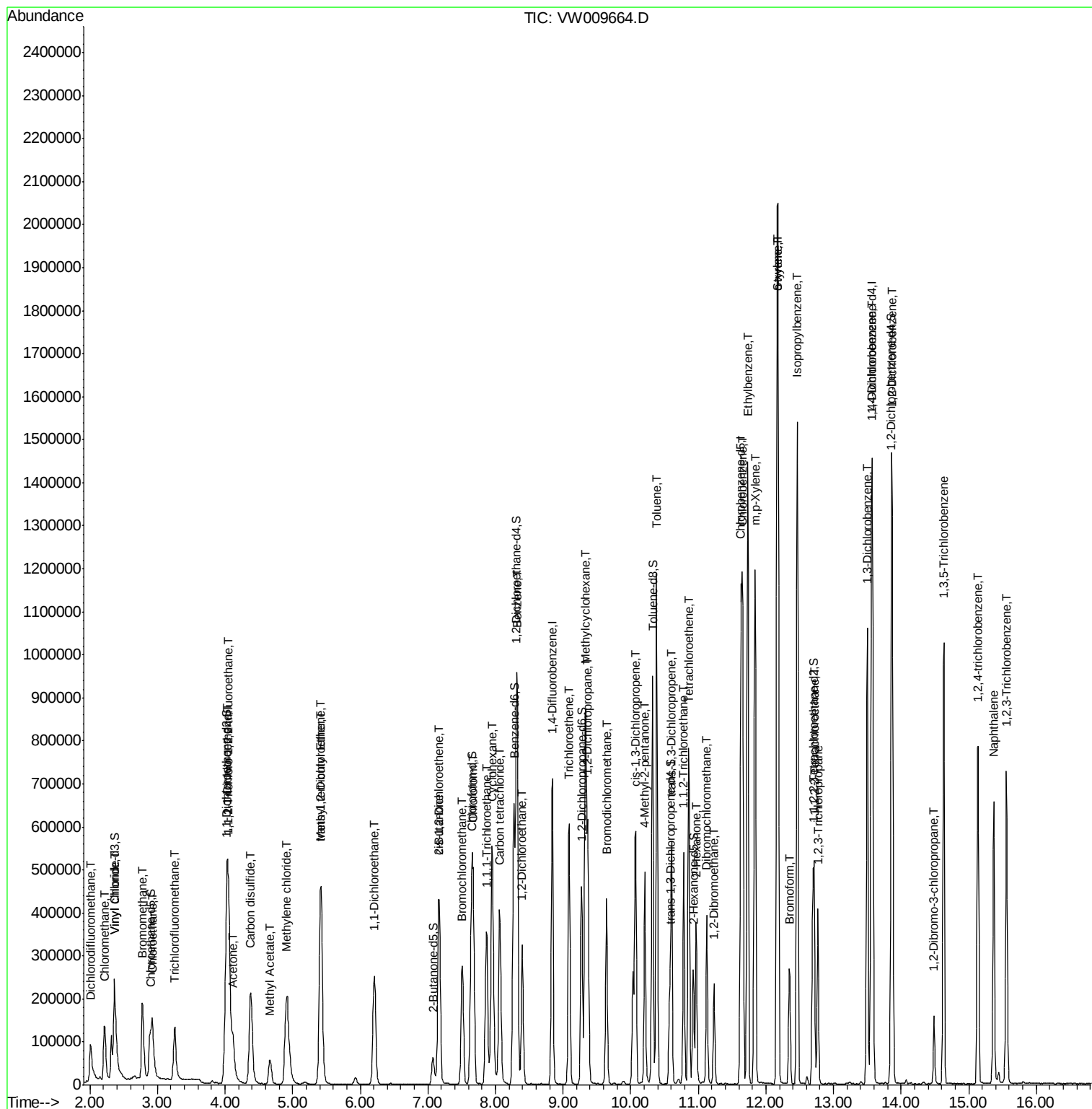
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	92031	24.683	ug/L	98
25) Chloroform	7.67	83	363357	23.788	ug/L	100
27) 1,2-Dichloroethane	8.40	62	278488	24.105	ug/L	98
30) Cyclohexane	7.95	56	313965	25.074	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	282805	23.499	ug/L	99
32) Carbon tetrachloride	8.06	117	280754	23.269	ug/L	98
34) Benzene	8.32	78	770490	24.139	ug/L	100
35) Trichloroethene	9.09	95	198894	23.810	ug/L	99
36) Methylcyclohexane	9.34	83	337090	24.545	ug/L	99
40) 1,2-Dichloropropane	9.37	63	193902	23.731	ug/L	99
41) Bromodichloromethane	9.64	83	272811	24.198	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	313112	24.736	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	322243	50.772	ug/L	99
44) Toluene	10.38	91	833437	24.648	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	274359	25.140	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	147143	23.992	ug/L	94
47) Tetrachloroethene	10.86	164	155551	23.644	ug/L	97
49) 2-Hexanone	10.97	43	237990	50.360	ug/L	98
50) Dibromochloromethane	11.13	129	186210	24.714	ug/L	96
51) 1,2-Dibromoethane	11.23	107	149155	24.265	ug/L	97
52) Chlorobenzene	11.66	112	525957	24.165	ug/L	99
53) Ethylbenzene	11.73	91	959043	24.899	ug/L	99
54) m,p-Xylene	11.84	106	355859	24.979	ug/L	99
55) o-xylene	12.16	106	343829	25.341	ug/L	99
56) Styrene	12.18	104	603451	25.632	ug/L	99
57) Isopropylbenzene	12.46	105	944765	25.429	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	202500	24.555	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	153119	24.942	ug/L	99
62) Bromoform	12.35	173	112767	24.267	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	400332	24.487	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	419754	24.077	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	385581	24.652	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	36694	24.101	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	291923	24.065	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	242330	24.875	ug/L	100
69) Naphthalene	15.37	128	518406	26.477	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	227874	25.005	ug/L	100

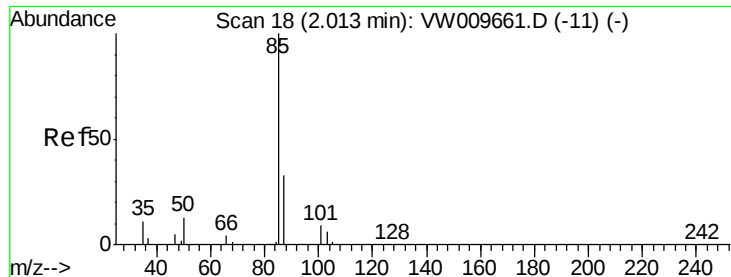
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.065 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

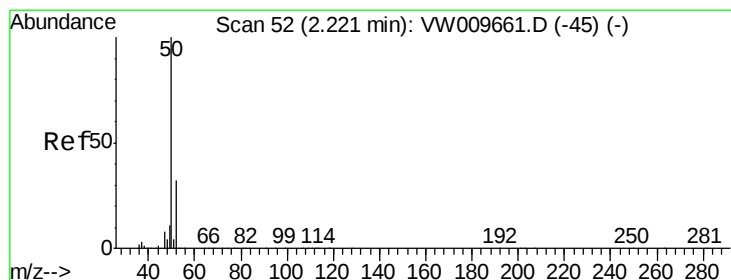
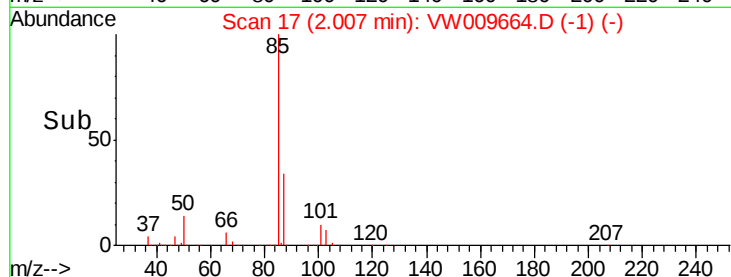
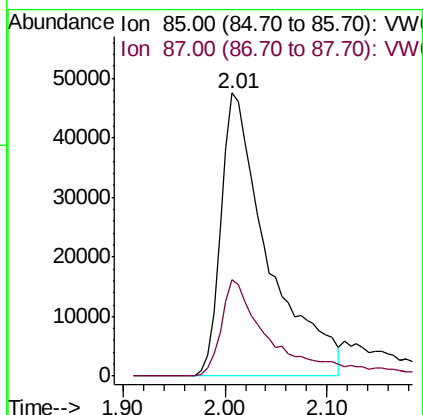
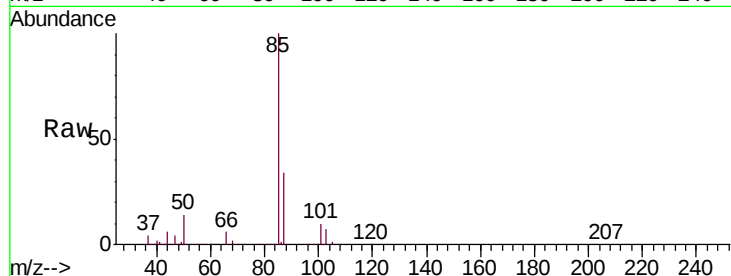
VICV15

Tgt Ion: 85 Resp: 152649

Ion Ratio Lower Upper

85 100

87 31.8 18.1 33.5



#3

Chloromethane

Concen: 23.358 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW009664.D

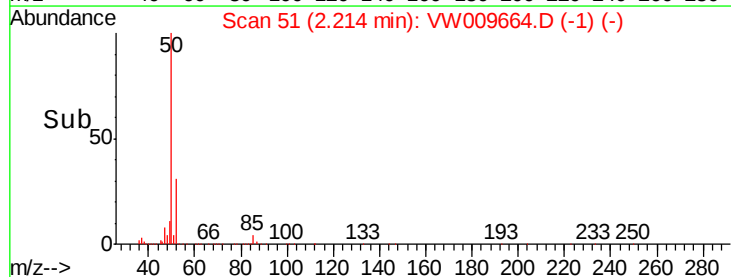
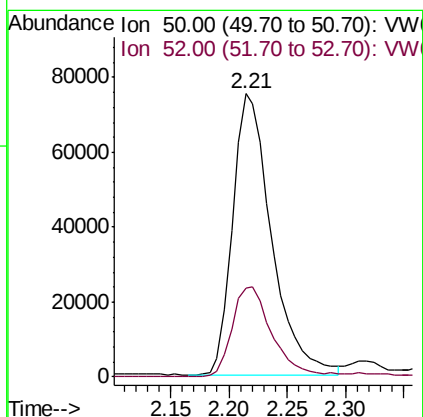
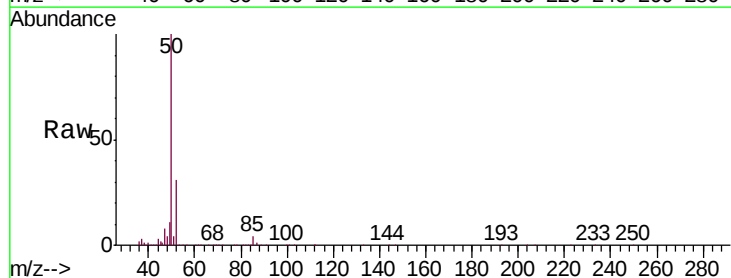
Acq: 03 Apr 2019 15:10

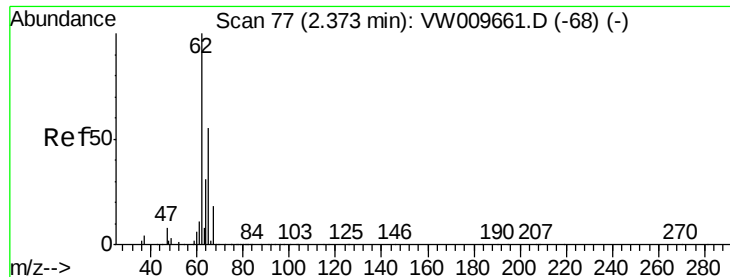
Tgt Ion: 50 Resp: 174921

Ion Ratio Lower Upper

50 100

52 31.2 22.3 41.3





#5

Vinyl chloride

Concen: 21.920 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

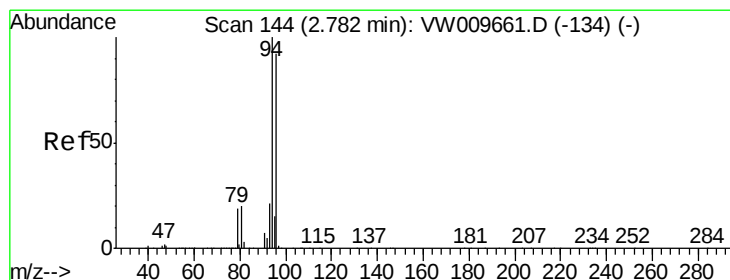
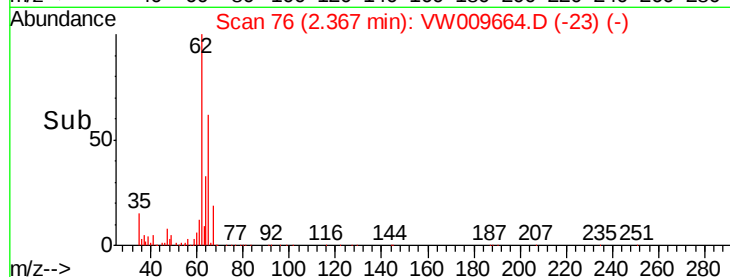
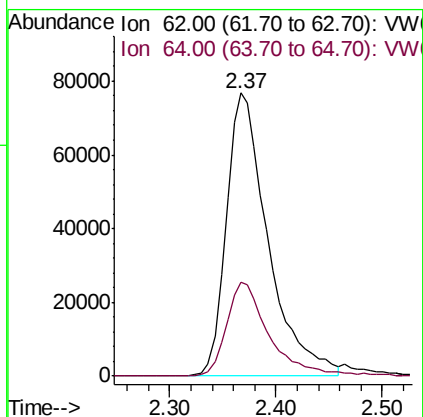
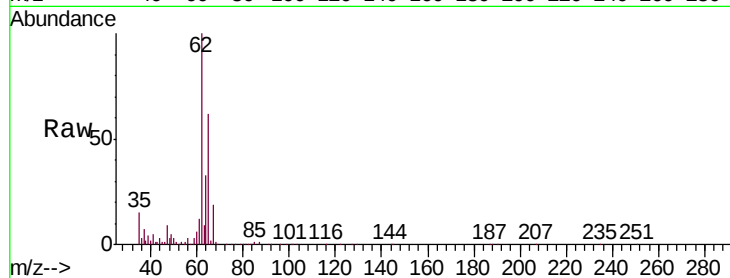
VICV15

Tgt Ion: 62 Resp: 210557

Ion Ratio Lower Upper

62 100

64 33.2 21.8 40.6



#6

Bromomethane

Concen: 22.835 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW009664.D

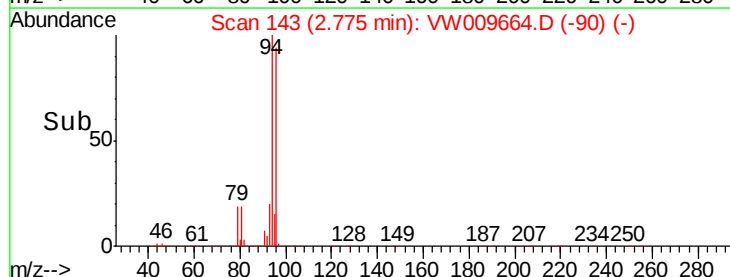
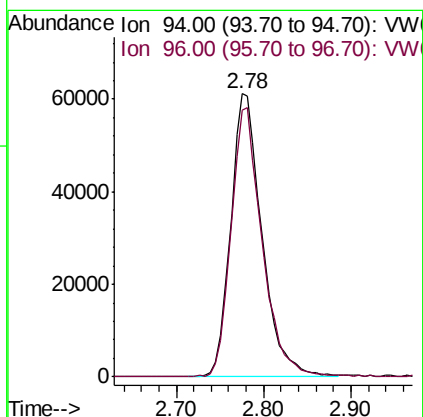
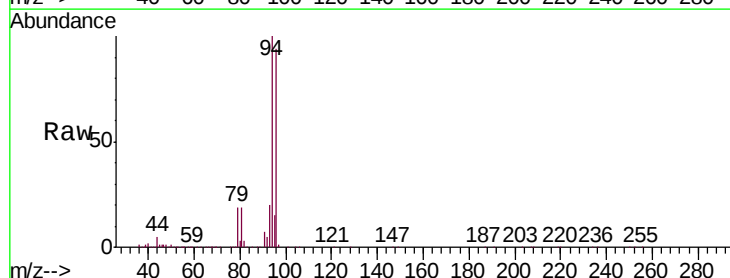
Acq: 03 Apr 2019 15:10

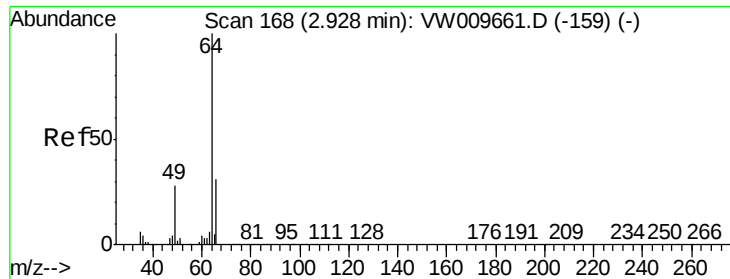
Tgt Ion: 94 Resp: 151782

Ion Ratio Lower Upper

94 100

96 94.1 9.3 177.3

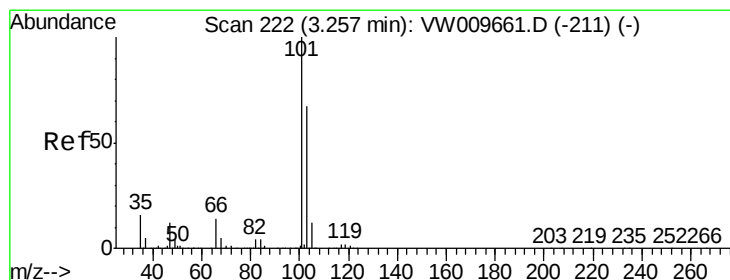
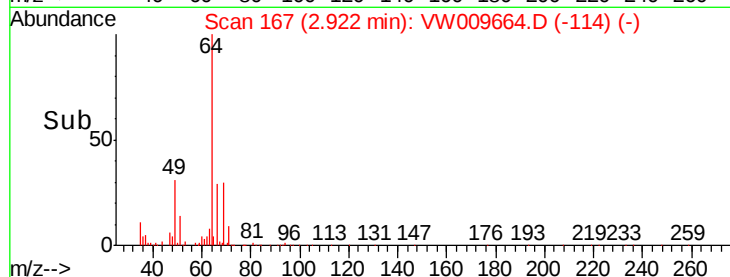
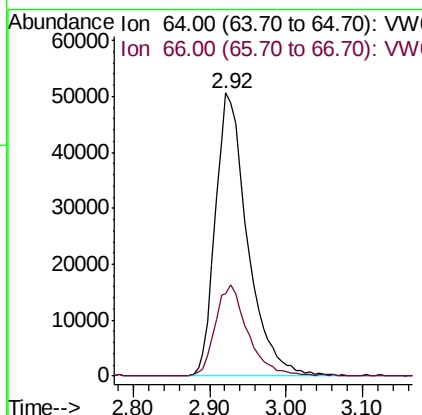
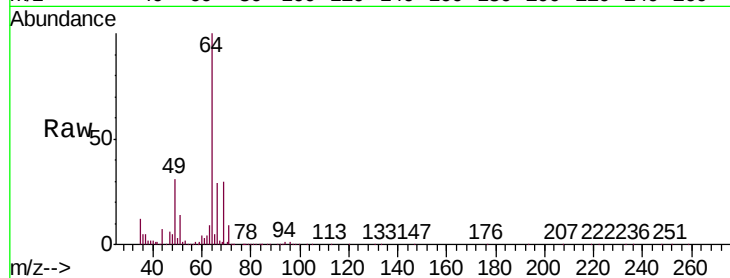




#8
Chloroethane
Concen: 23.422 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW009664.D
Acq: 03 Apr 2019 15:10

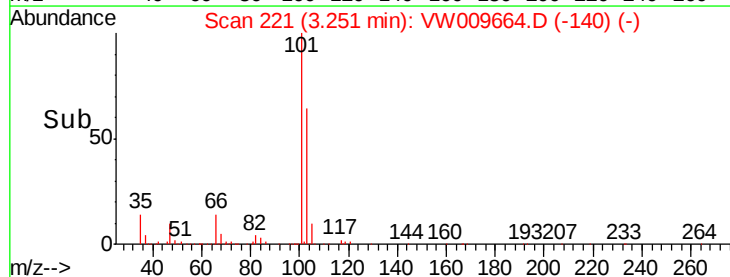
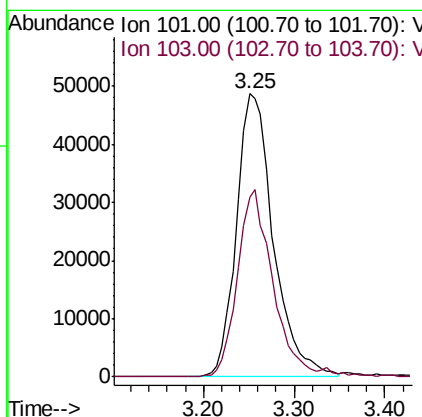
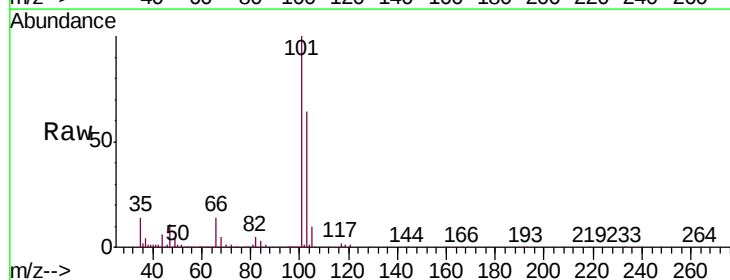
Instrument :
MSVOA_W
ClientSampleId :
VICV15

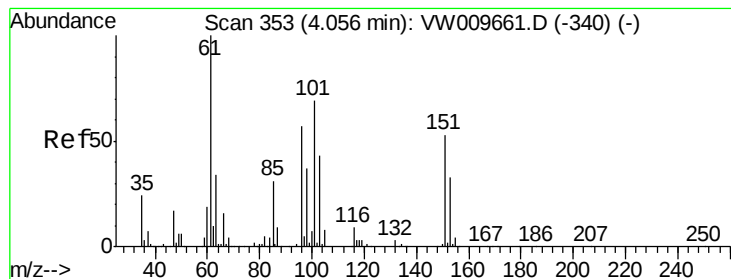
Tgt Ion: 64 Resp: 147670
Ion Ratio Lower Upper
64 100
66 29.1 21.6 40.2



#9
Trichlorofluoromethane
Concen: 23.376 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009664.D
Acq: 03 Apr 2019 15:10

Tgt Ion: 101 Resp: 137747
Ion Ratio Lower Upper
101 100
103 62.5 45.1 83.7





#11

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

Concen: 22.760 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

Instrument :

MSVOA_W

ClientSampled :

VICV15

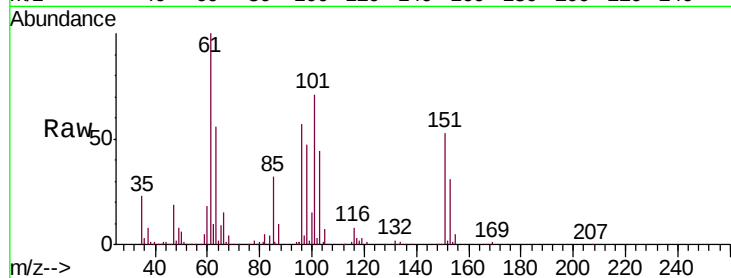
Tgt Ion:101 Resp: 174448

Ion Ratio Lower Upper

101 100

85 45.3 37.8 56.6

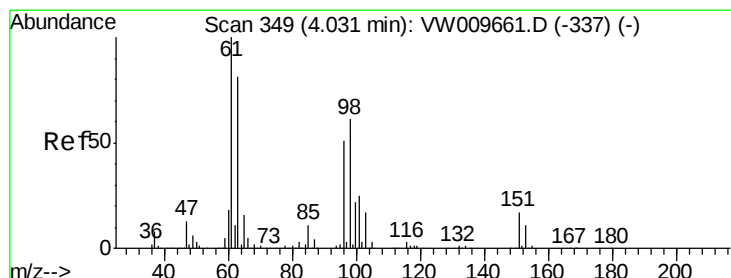
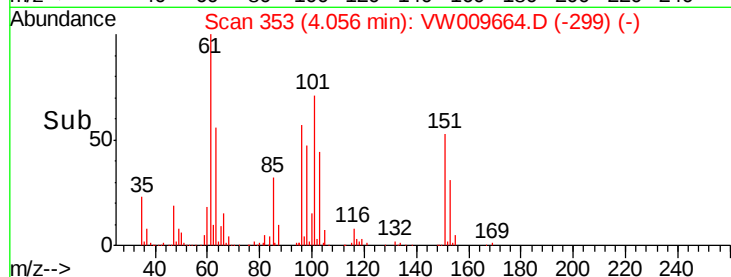
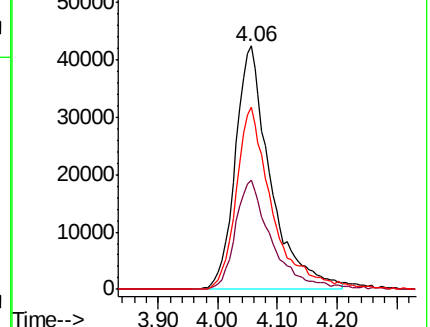
151 74.8 60.6 91.0



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: 22.908 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

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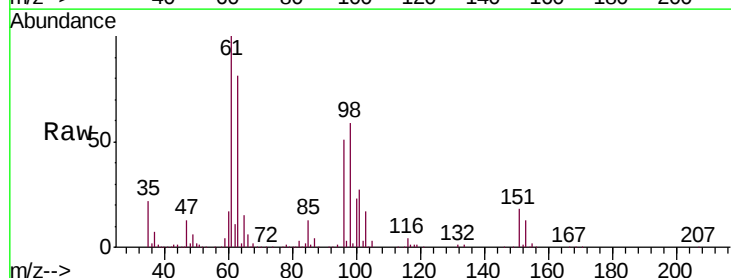
Tgt Ion: 96 Resp: 167375

Ion Ratio Lower Upper

96 100

61 197.1 138.8 257.8

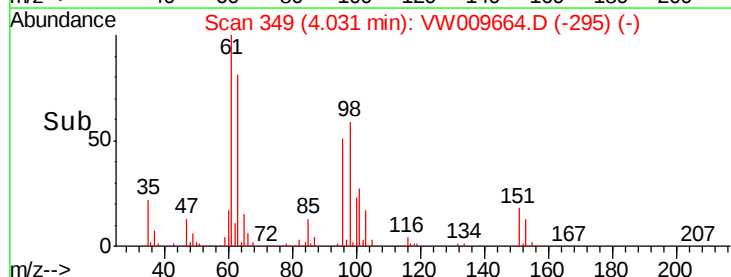
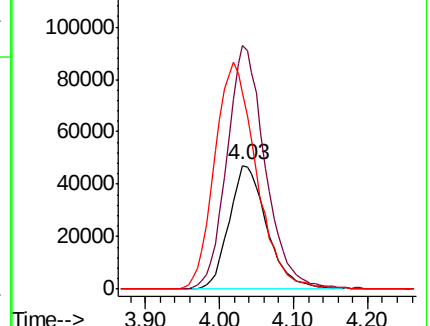
63 159.1 114.6 212.8

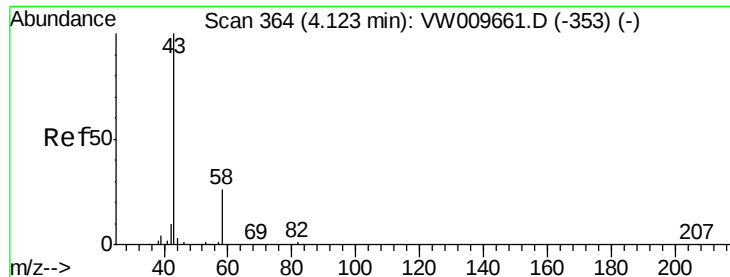


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.761 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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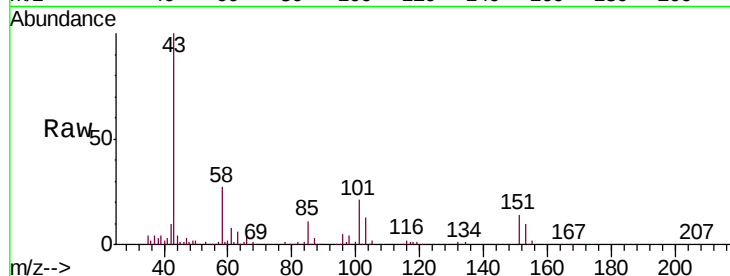
VICV15

Tgt Ion: 43 Resp: 104580

Ion Ratio Lower Upper

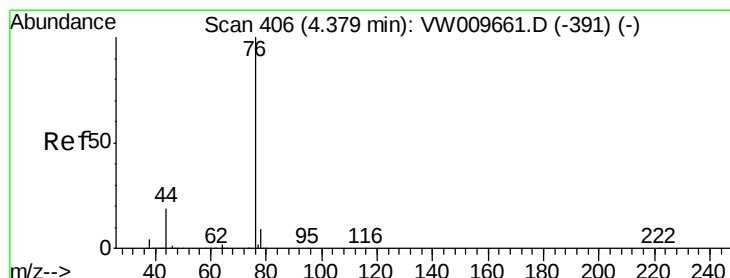
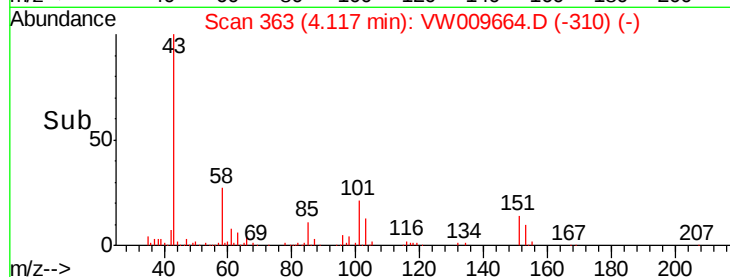
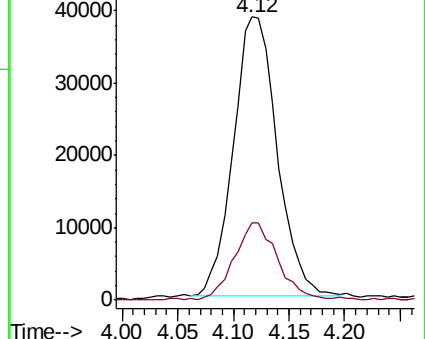
43 100

58 27.9 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.808 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW009664.D

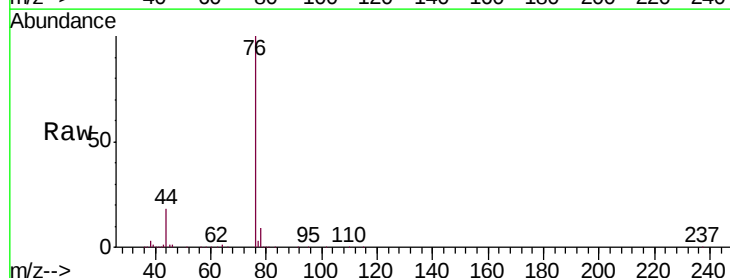
Acq: 03 Apr 2019 15:10

Tgt Ion: 76 Resp: 517999

Ion Ratio Lower Upper

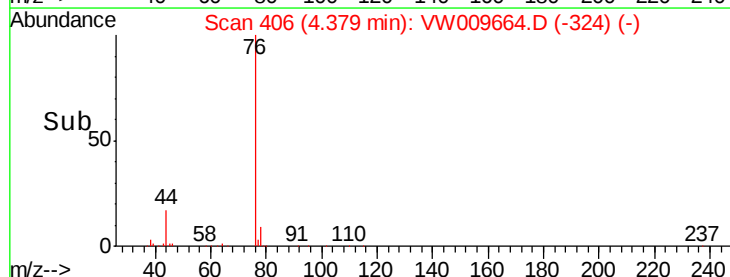
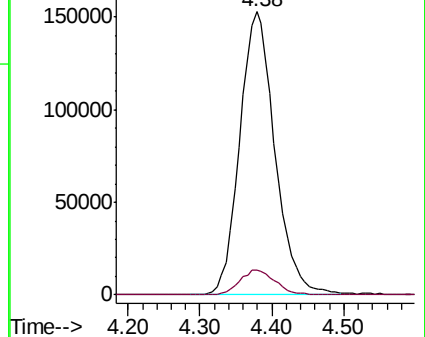
76 100

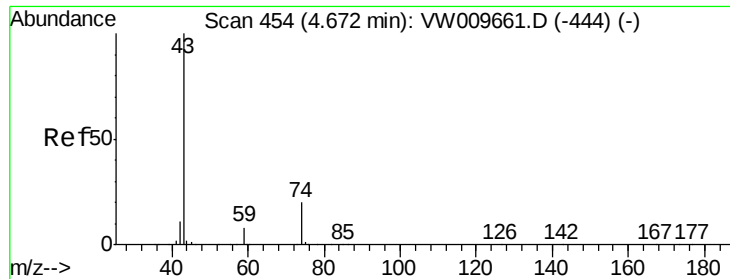
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

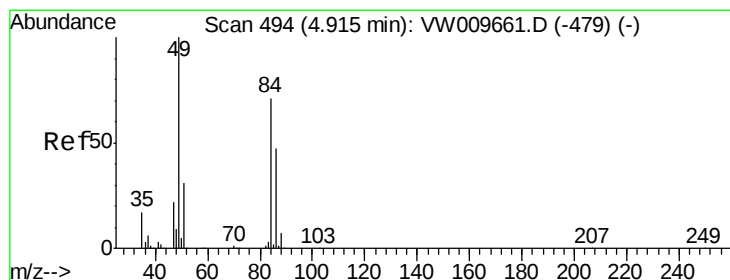
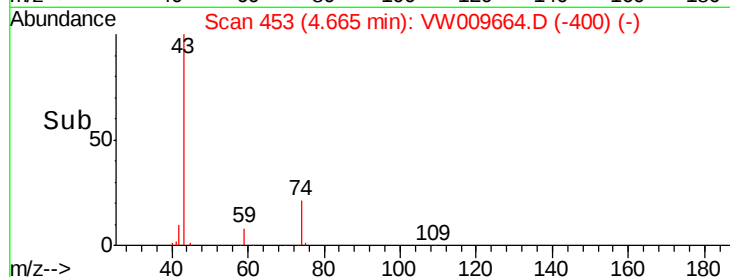
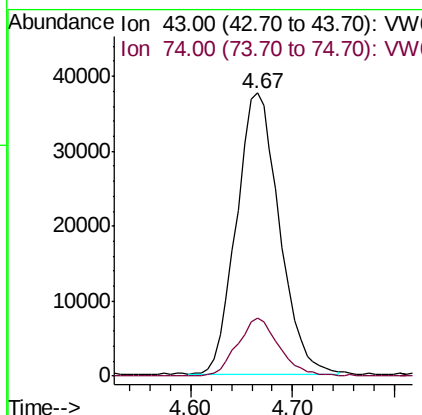
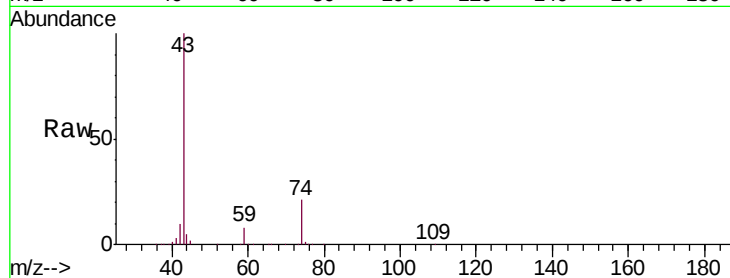




#15
Methyl Acetate
Concen: 24.161 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW009664.D
Acq: 03 Apr 2019 15:10

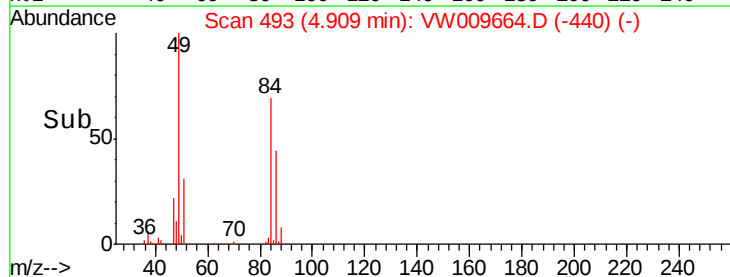
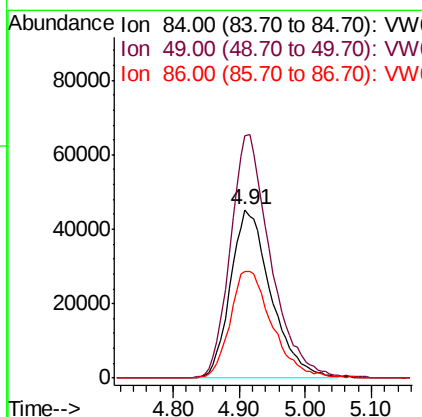
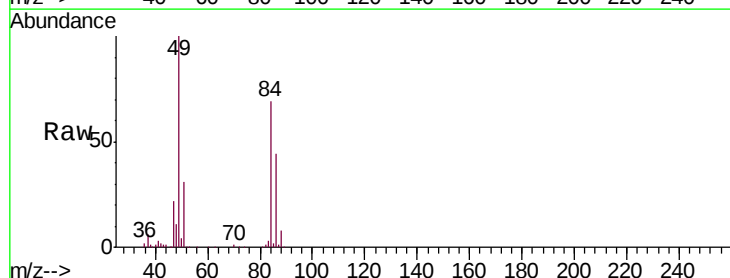
Instrument :
MSVOA_W
ClientSampled :
VICV15

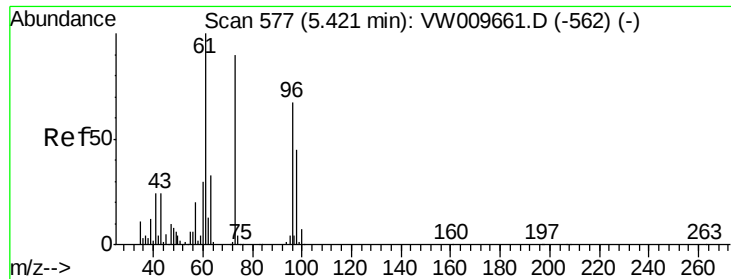
Tgt Ion: 43 Resp: 110320
Ion Ratio Lower Upper
43 100
74 19.9 17.2 25.8



#16
Methylene chloride
Concen: 19.881 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009664.D
Acq: 03 Apr 2019 15:10

Tgt Ion: 84 Resp: 192882
Ion Ratio Lower Upper
84 100
49 144.1 98.3 182.5
86 63.1 46.4 86.2

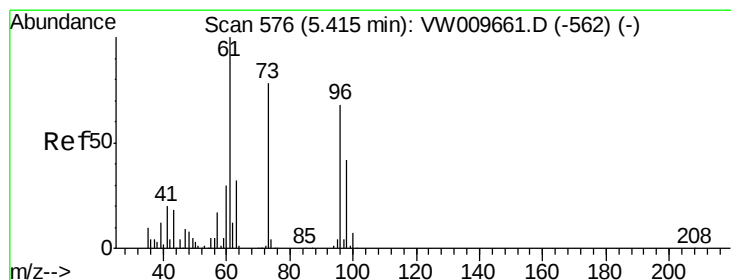
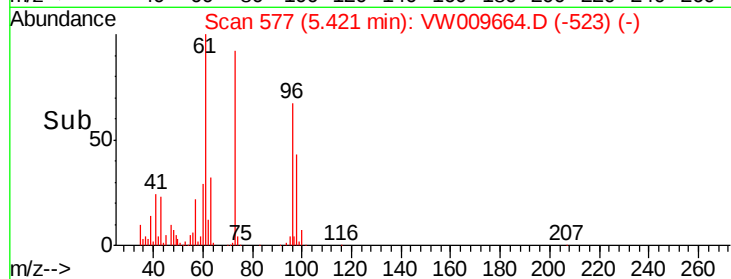
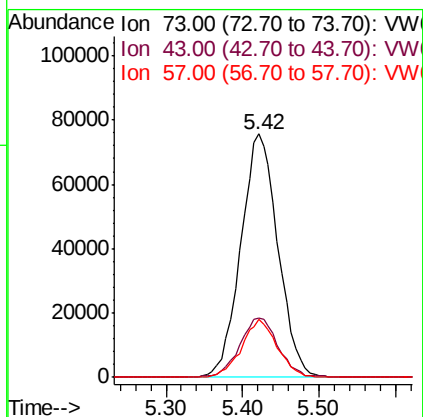
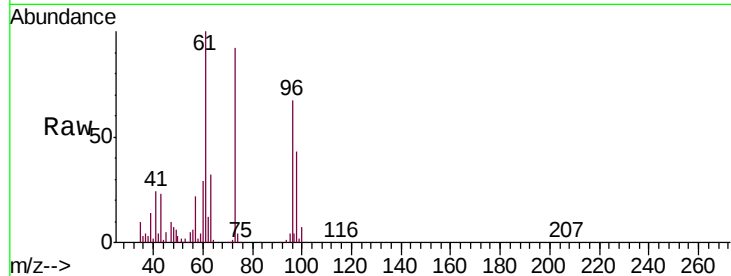




#17
Methyl tert-butyl Ether
Concen: 25.327 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW009664.D
Acq: 03 Apr 2019 15:10

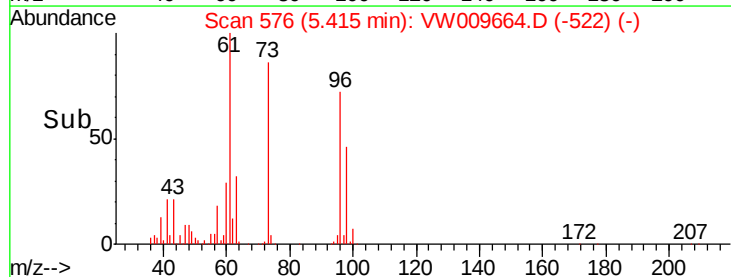
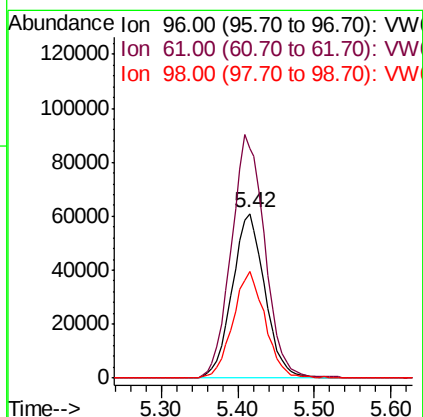
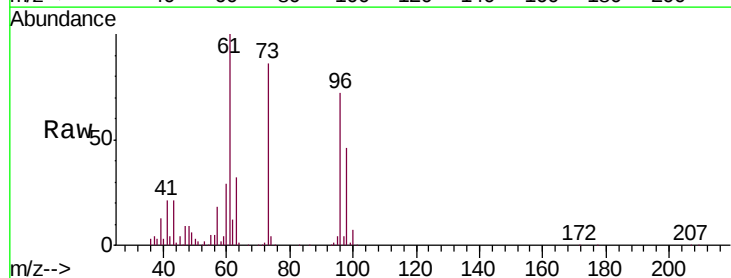
Instrument :
MSVOA_W
ClientSampleId :
VICV15

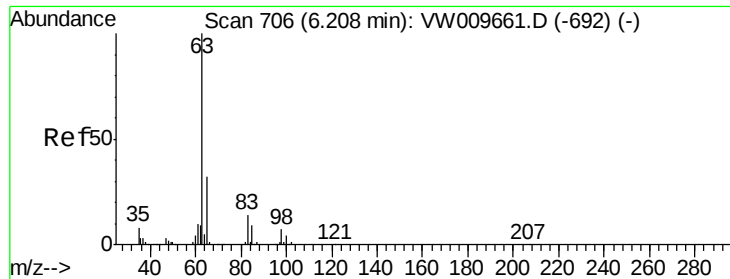
Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.8	20.2	30.2
57	22.7	17.8	26.8



#18
trans-1,2-Dichloroethene
Concen: 23.813 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW009664.D
Acq: 03 Apr 2019 15:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.5	103.7	192.5
98	64.5	43.7	81.1

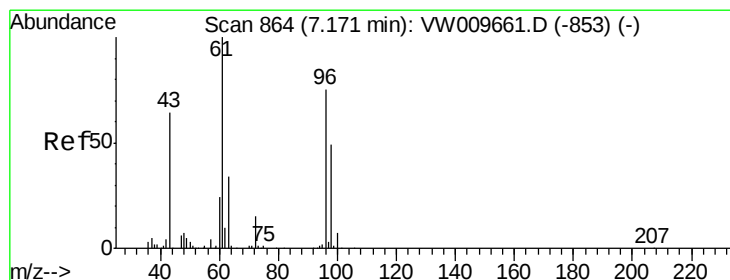
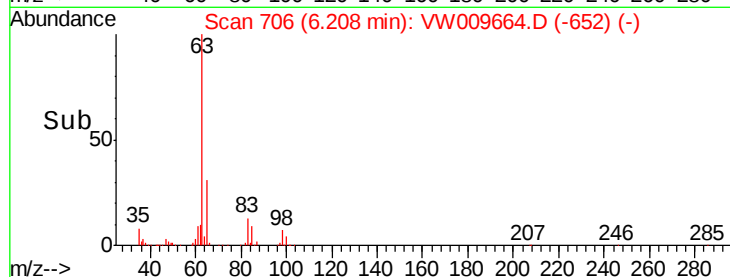
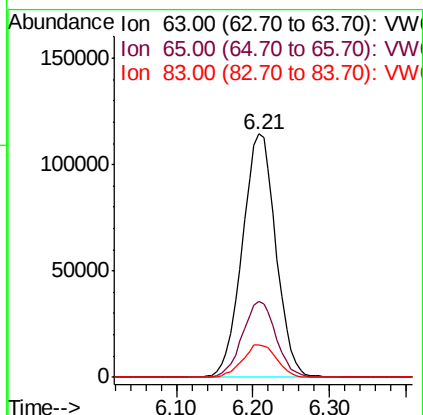
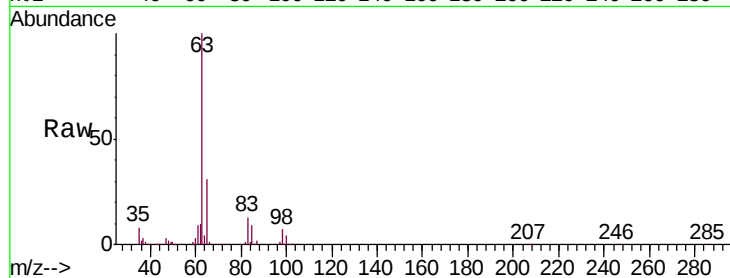




#19
 1,1-Dichloroethane
 Concen: 23.963 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW009664.D
 Acq: 03 Apr 2019 15:10

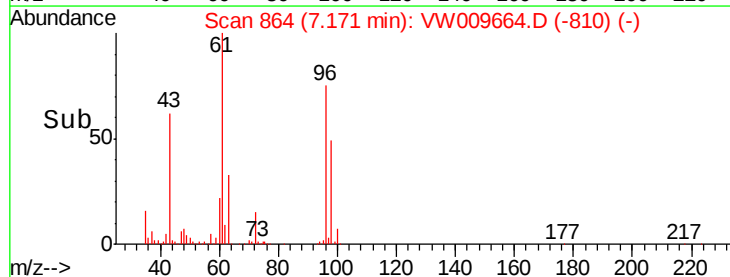
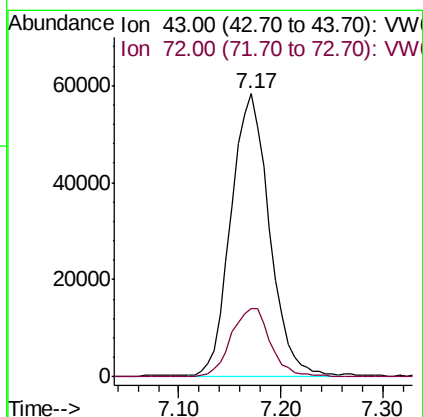
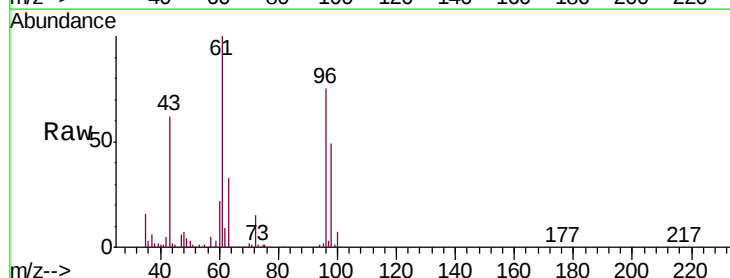
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV15

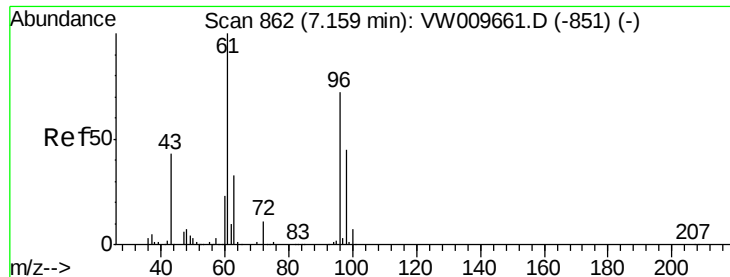
Tgt Ion: 63 Resp: 349445
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.6 42.0
 83 13.1 9.8 18.2



#21
 2-Butanone
 Concen: 48.240 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW009664.D
 Acq: 03 Apr 2019 15:10

Tgt Ion: 43 Resp: 153641
 Ion Ratio Lower Upper
 43 100
 72 24.6 12.0 36.1



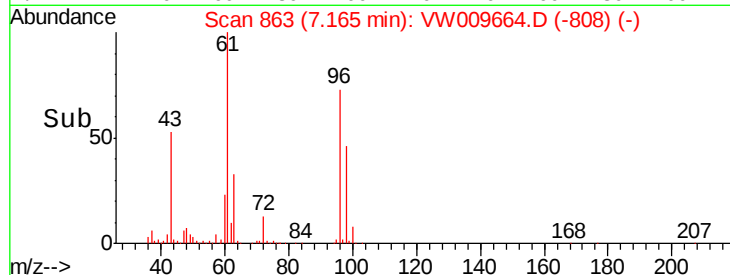
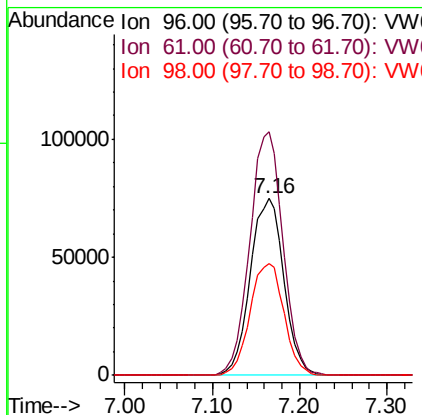
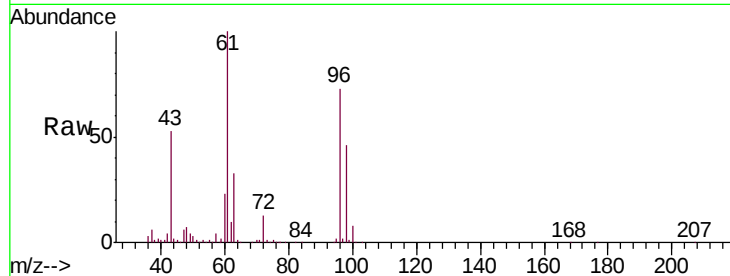


#22

cis-1,2-Dichloroethene
 Concen: 24.692 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW009664.D
 Acq: 03 Apr 2019 15:10

Instrument :
 MSVOA_W
 ClientSampled :
 VICV15

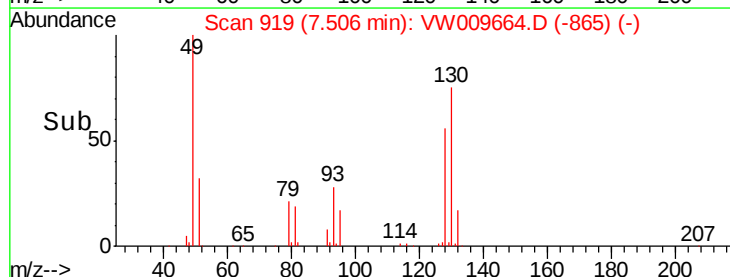
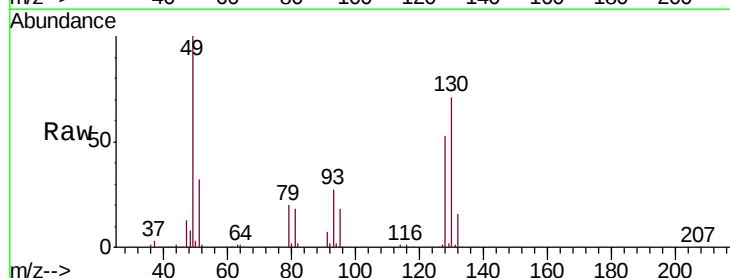
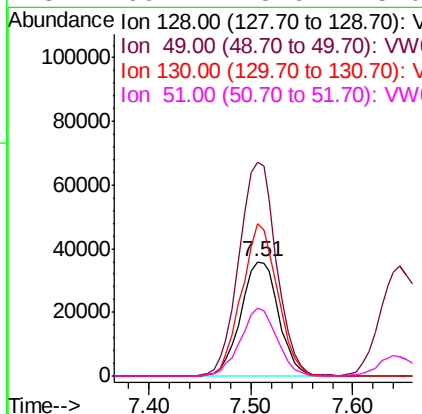
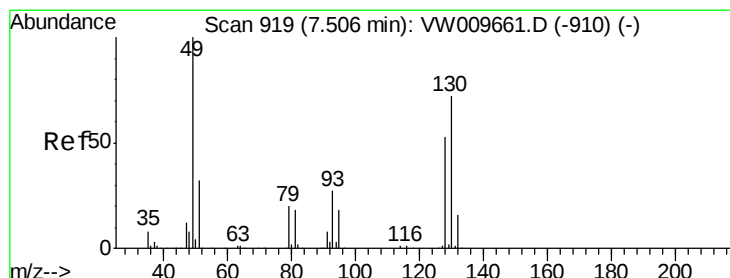
Tgt Ion: 96 Resp: 200670
 Ion Ratio Lower Upper
 96 100
 61 137.9 96.8 179.8
 98 63.5 43.5 80.9

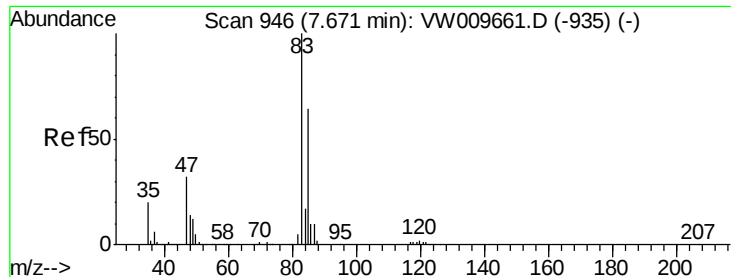


#23

Bromochloromethane
 Concen: 24.683 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW009664.D
 Acq: 03 Apr 2019 15:10

Tgt Ion: 128 Resp: 92031
 Ion Ratio Lower Upper
 128 100
 49 187.3 132.6 246.2
 130 133.9 95.5 177.4
 51 60.1 48.6 73.0





#25

Chloroform

Concen: 23.788 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

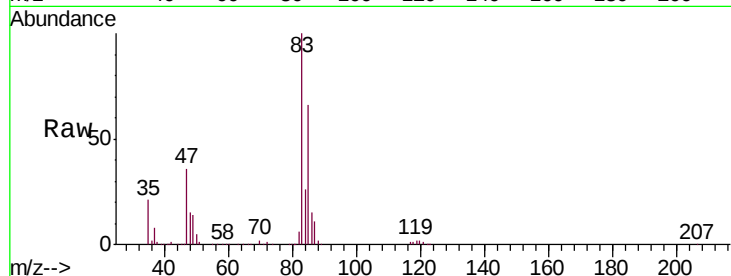
VICV15

Tgt Ion: 83 Resp: 363357

Ion Ratio Lower Upper

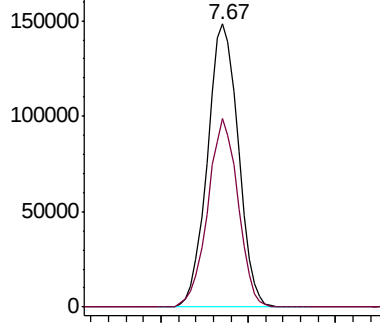
83 100

85 65.3 45.6 84.8

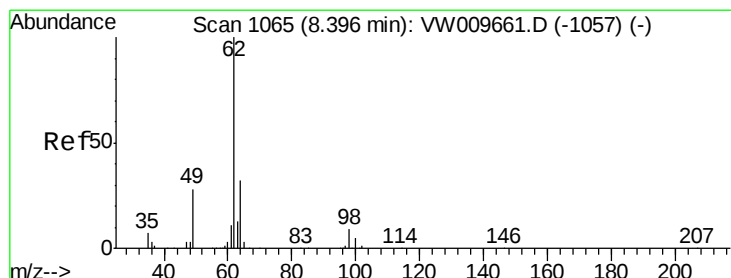
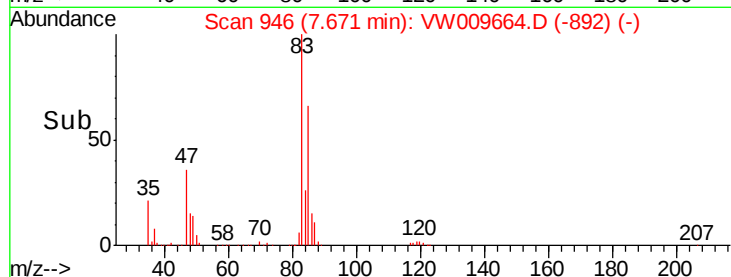


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



Time-->



#27

1,2-Dichloroethane

Concen: 24.105 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW009664.D

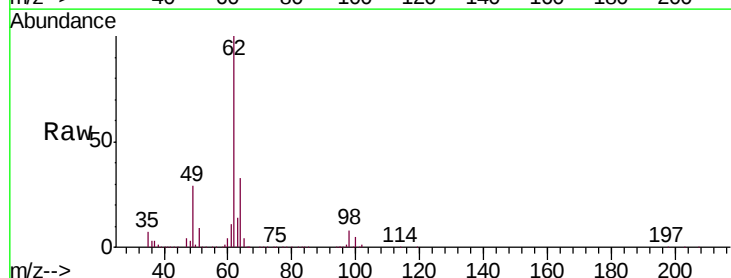
Acq: 03 Apr 2019 15:10

Tgt Ion: 62 Resp: 278488

Ion Ratio Lower Upper

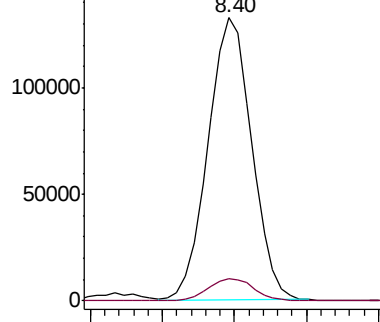
62 100

98 7.8 7.0 10.4

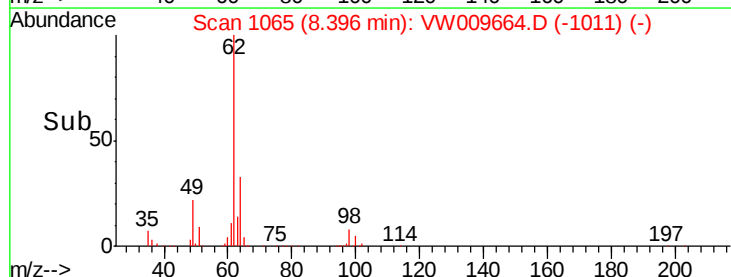


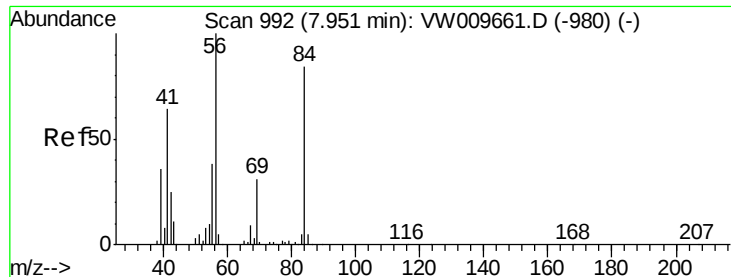
Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW



Time-->

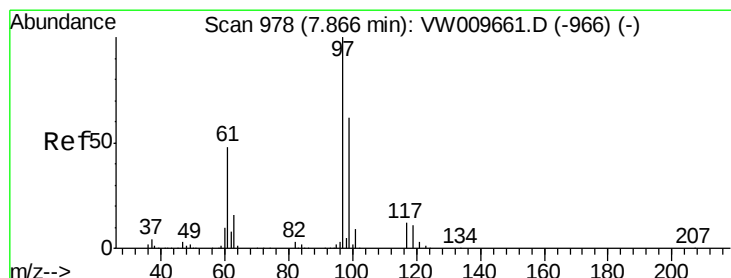
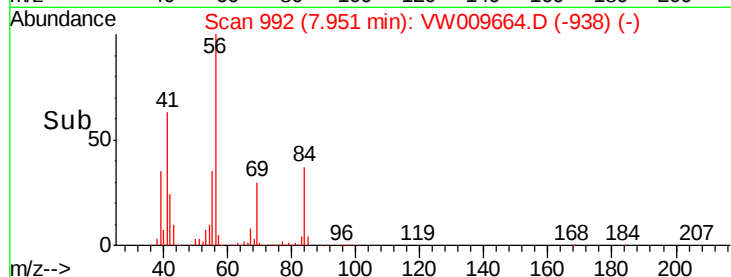
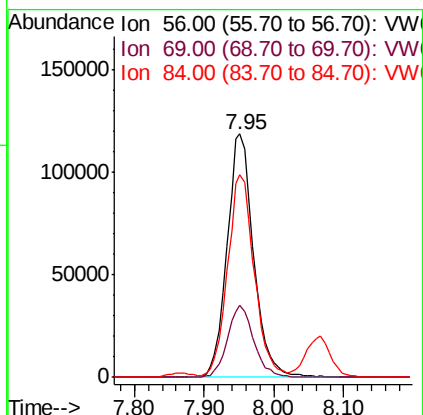
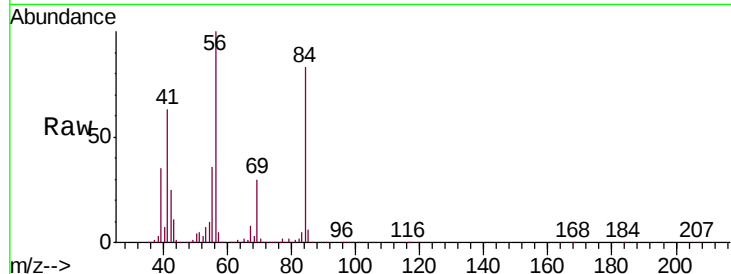




#30
Cyclohexane
Concen: 25.074 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009664.D
Acq: 03 Apr 2019 15:10

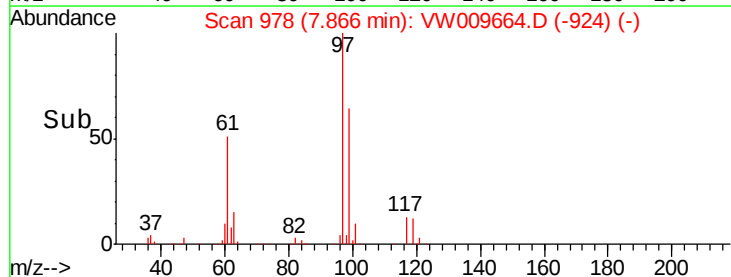
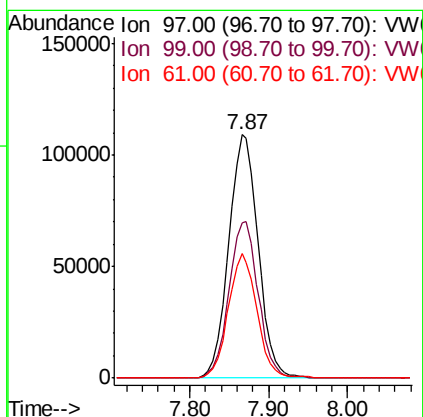
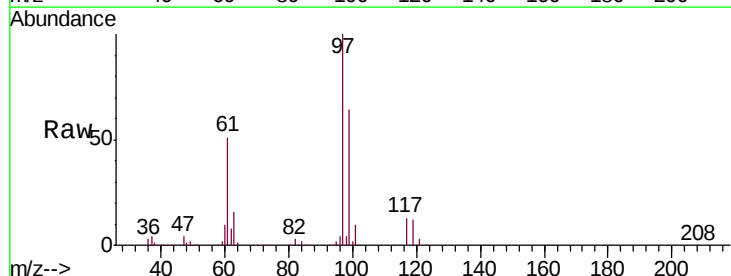
Instrument :
MSVOA_W
ClientSampled :
VICV15

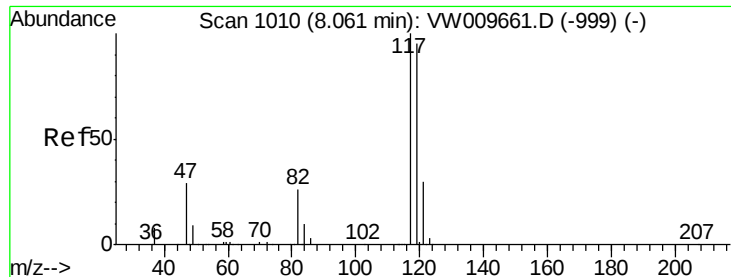
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.4	35.2
84	83.1	67.7	101.5



#31
1,1,1-Trichloroethane
Concen: 23.499 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW009664.D
Acq: 03 Apr 2019 15:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.8	76.2
61	49.6	38.6	57.8





#32

Carbon tetrachloride

Concen: 23.269 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

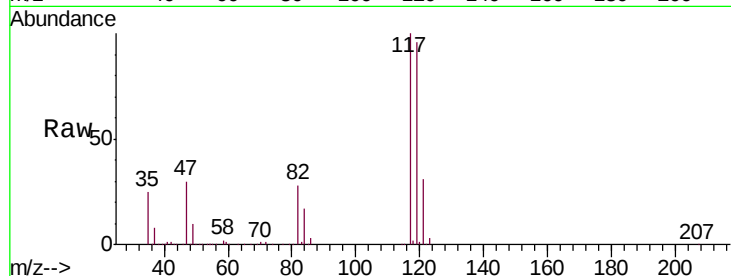
VICV15

Tgt Ion:117 Resp: 280754

Ion Ratio Lower Upper

117 100

119 96.7 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

120000

100000

80000

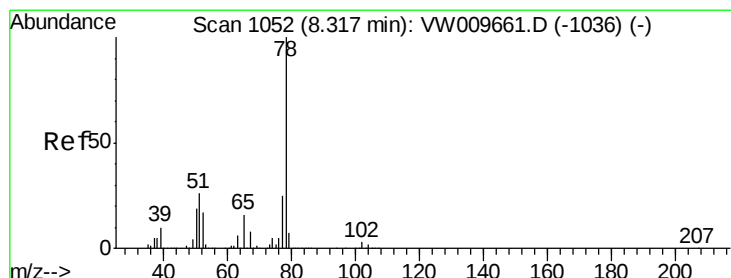
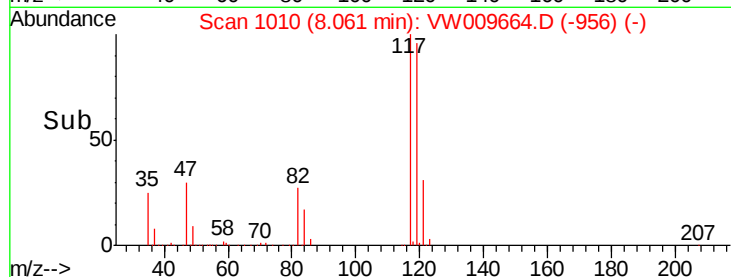
60000

40000

20000

0

Time-->



#34

Benzene

Concen: 24.139 ug/L

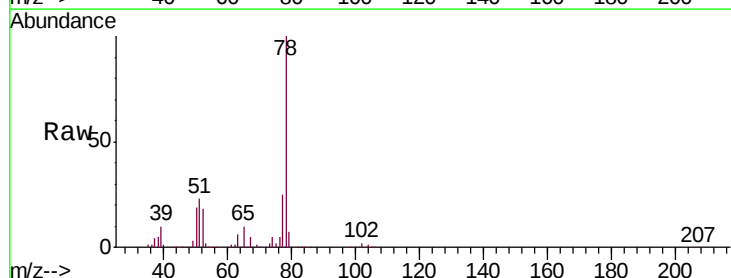
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

Tgt Ion: 78 Resp: 770490



Abundance Ion 78.00 (77.70 to 78.70): VW

400000

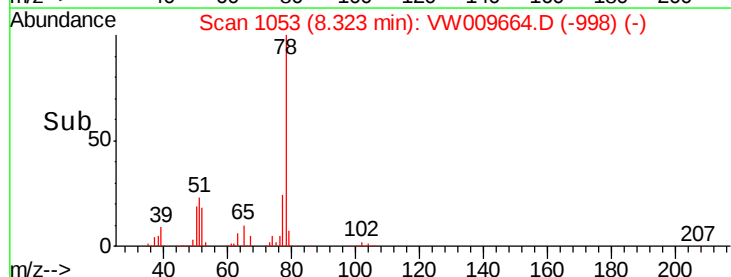
300000

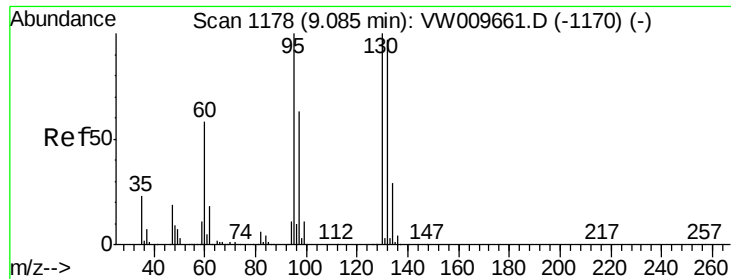
200000

100000

0

Time-->

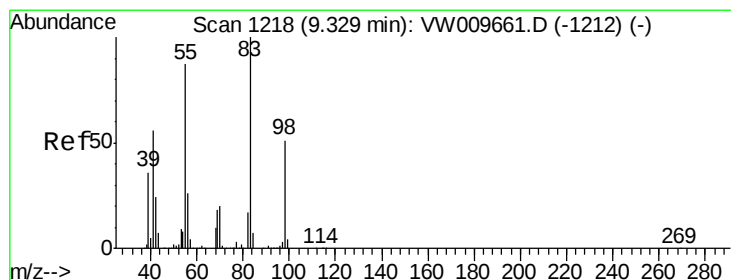
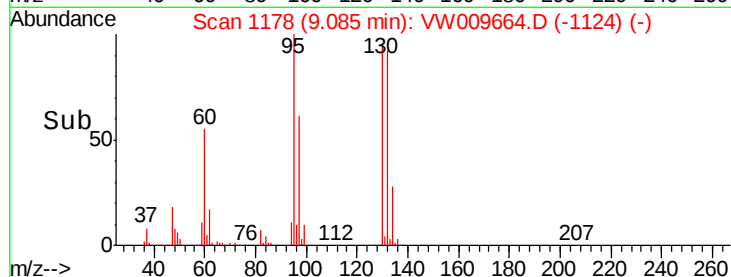
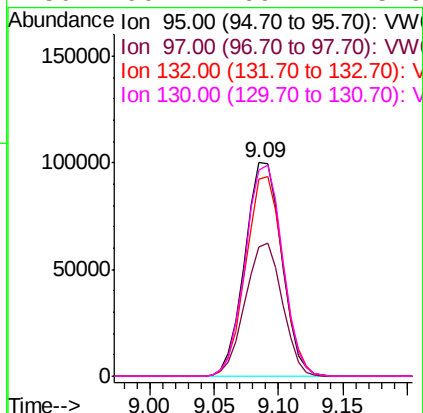
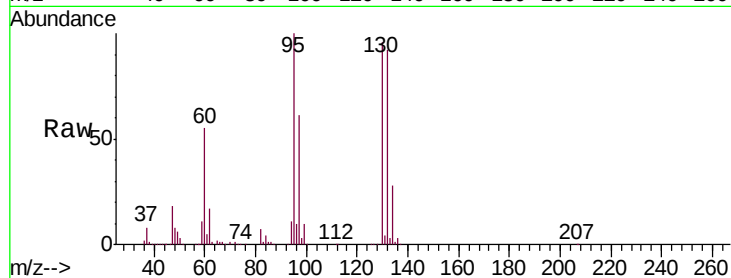




#35
 Trichloroethene
 Concen: 23.810 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW009664.D
 Acq: 03 Apr 2019 15:10

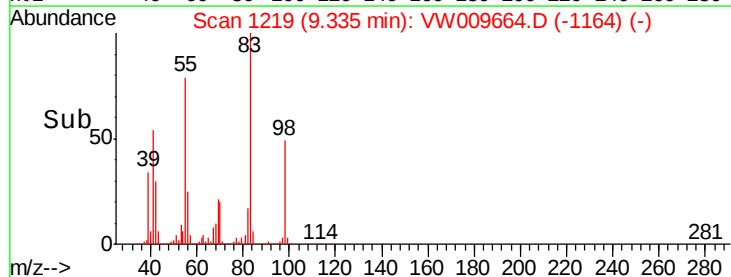
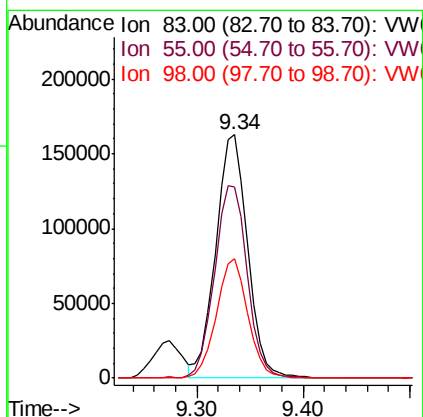
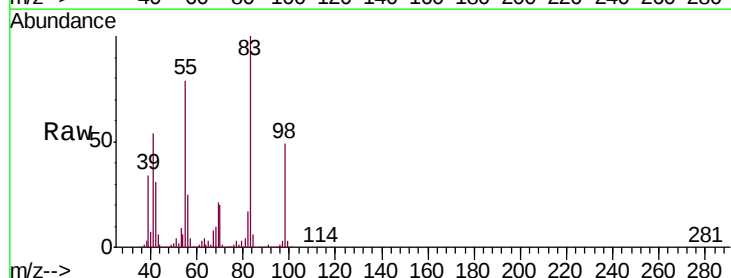
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV15

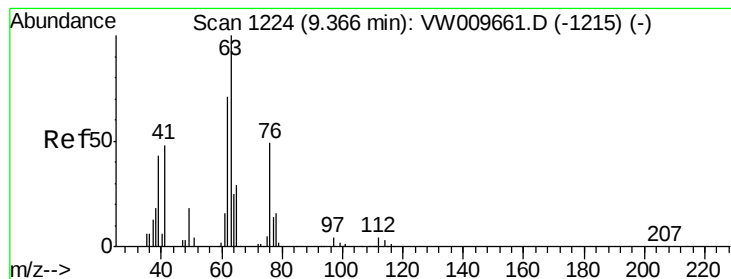
Tgt Ion:	95	Resp:	198894
Ion	Ratio	Lower	Upper
95	100		
97	62.9	44.9	83.5
132	93.9	67.1	124.7
130	99.7	69.2	128.6



#36
 Methylcyclohexane
 Concen: 24.545 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW009664.D
 Acq: 03 Apr 2019 15:10

Tgt Ion:	83	Resp:	337090
Ion	Ratio	Lower	Upper
83	100		
55	81.7	66.3	99.5
98	48.6	39.4	59.0





#40

1,2-Dichloropropane

Concen: 23.731 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

Instrument :

MSVOA_W

ClientSampled :

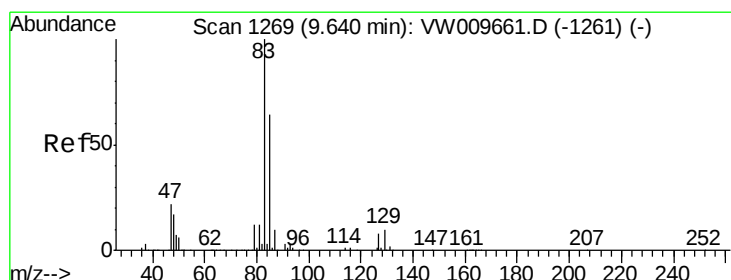
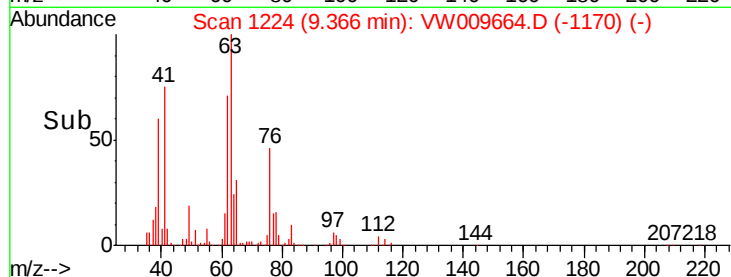
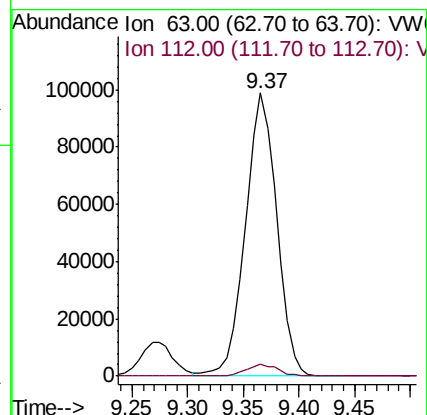
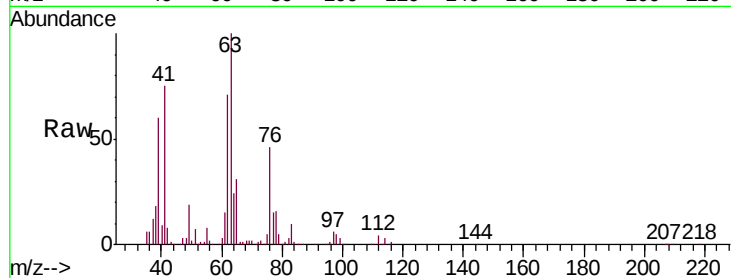
VICV15

Tgt Ion: 63 Resp: 193902

Ion Ratio Lower Upper

63 100

112 4.4 3.8 5.8



#41

Bromodichloromethane

Concen: 24.198 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

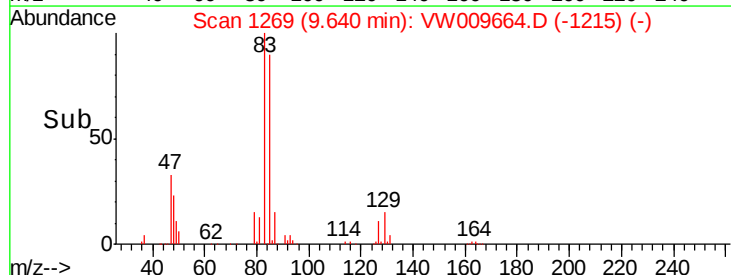
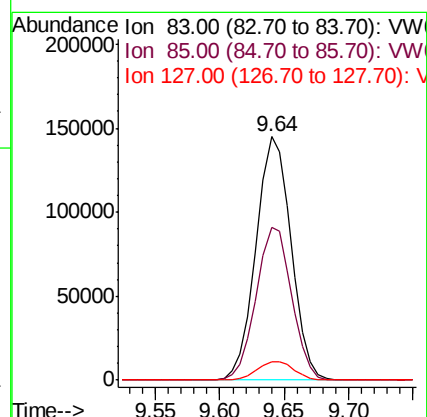
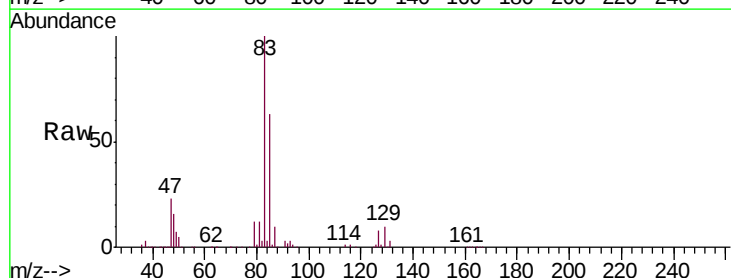
Tgt Ion: 83 Resp: 272811

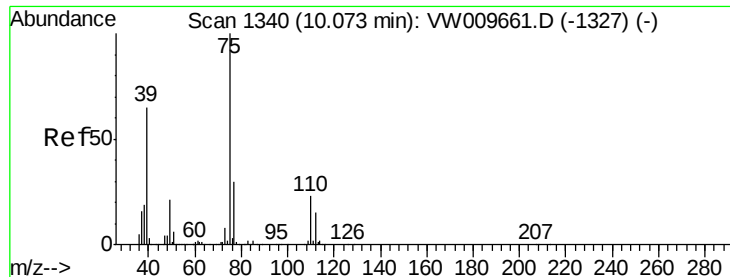
Ion Ratio Lower Upper

83 100

85 62.6 45.0 83.6

127 7.8 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 24.736 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

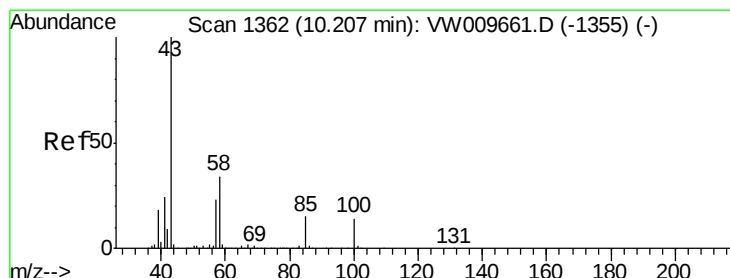
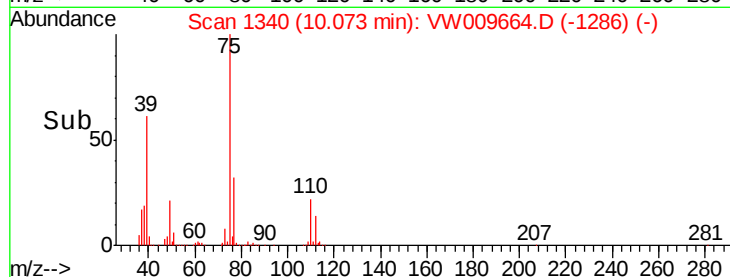
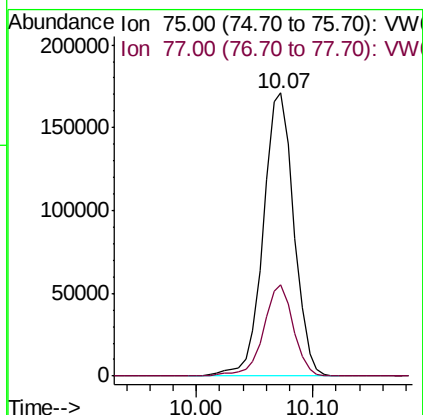
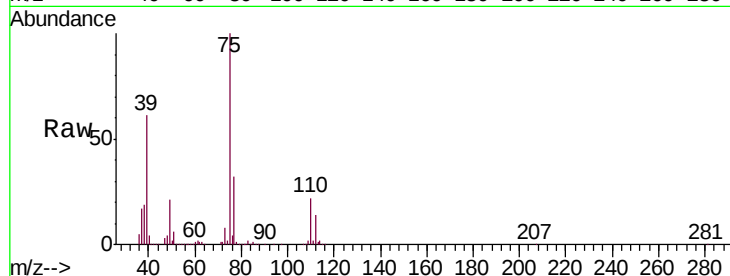
VICV15

Tgt Ion: 75 Resp: 313112

Ion Ratio Lower Upper

75 100

77 32.2 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 50.772 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

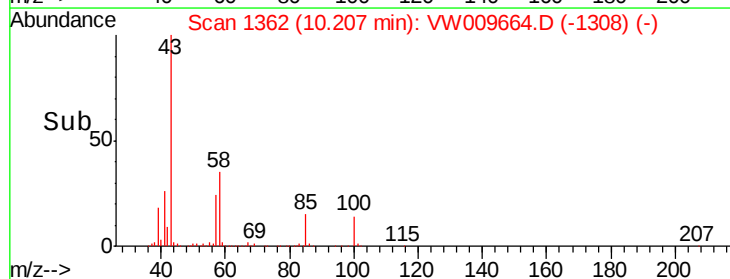
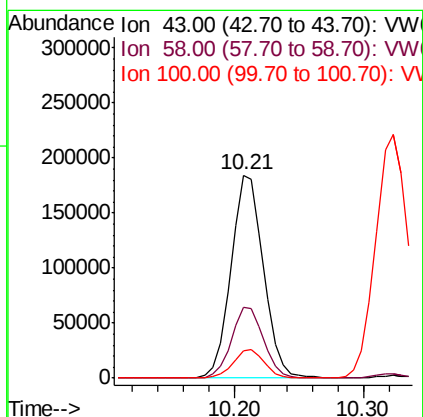
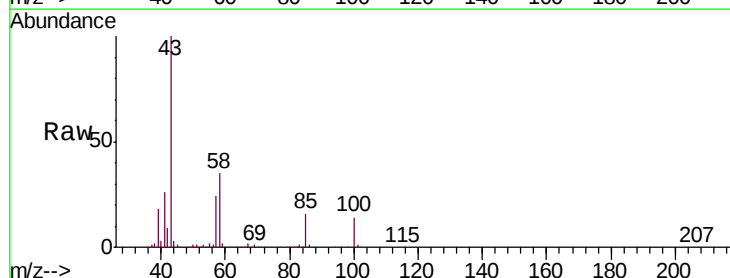
Tgt Ion: 43 Resp: 322243

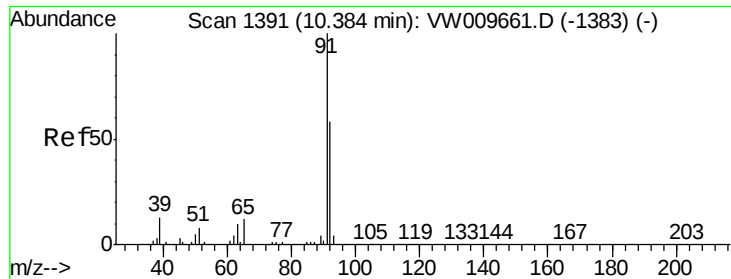
Ion Ratio Lower Upper

43 100

58 34.9 28.2 42.4

100 13.7 10.9 16.3





#44

Toluene

Concen: 24.648 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

Instrument :

MSVOA_W

ClientSampled :

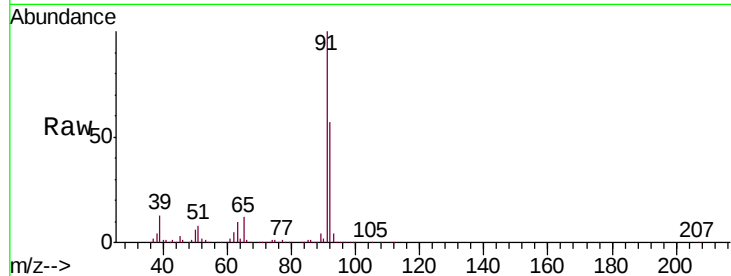
VICV15

Tgt Ion: 91 Resp: 833437

Ion Ratio Lower Upper

91 100

92 56.9 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

500000

400000

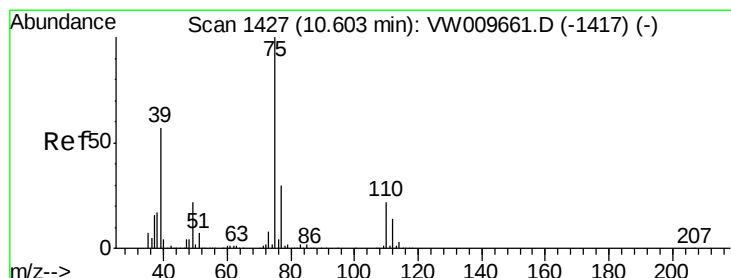
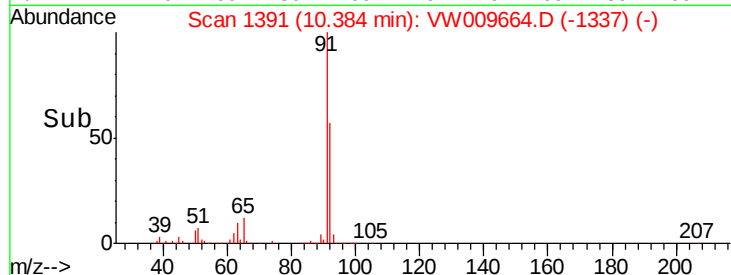
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.140 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009664.D

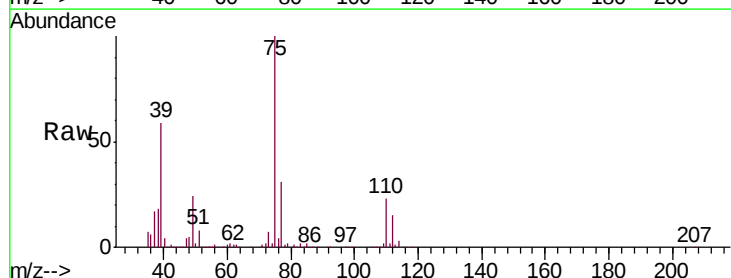
Acq: 03 Apr 2019 15:10

Tgt Ion: 75 Resp: 274359

Ion Ratio Lower Upper

75 100

77 31.5 21.1 39.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

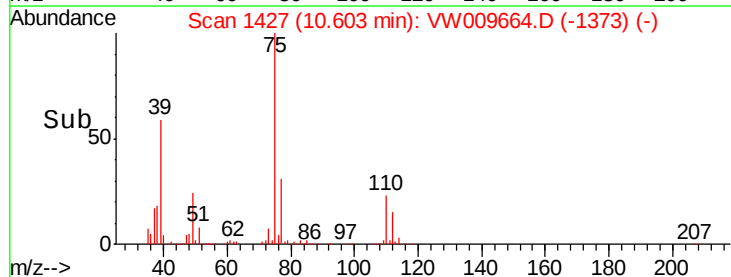
150000

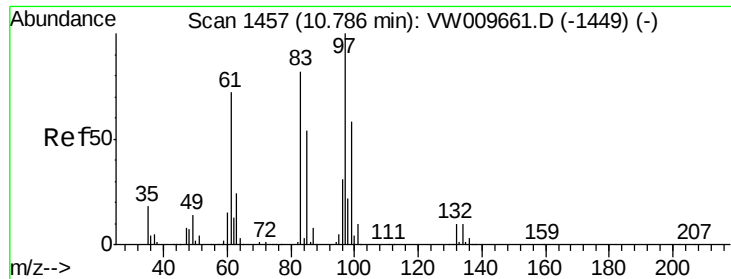
100000

50000

0

Time-->

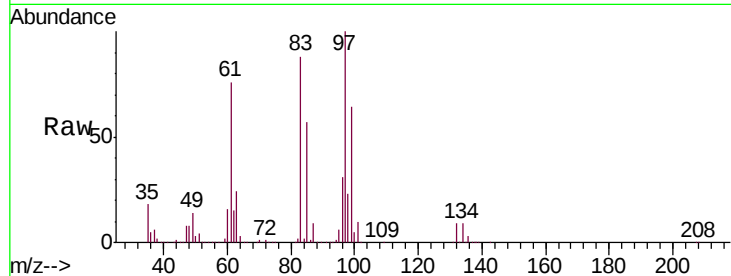




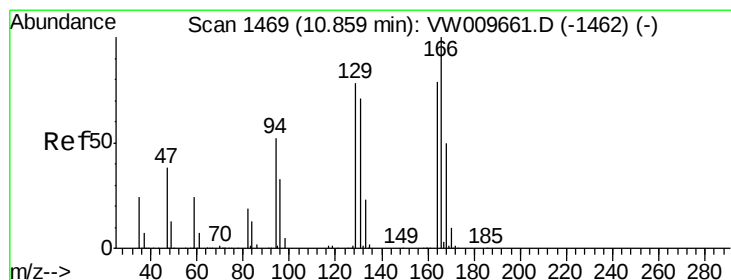
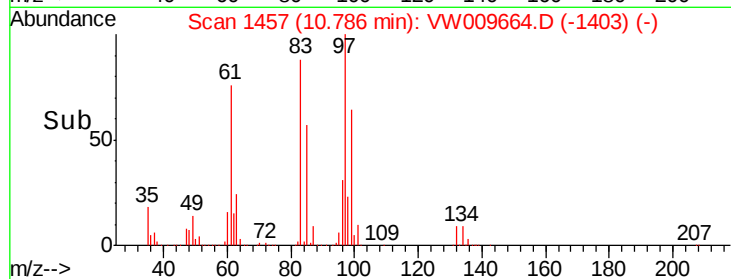
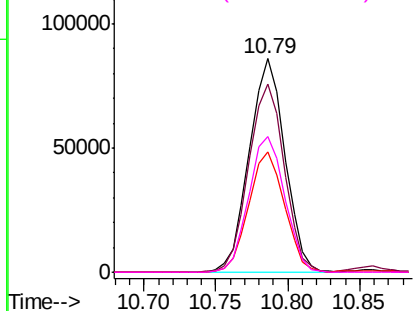
#46
 1,1,2-Trichloroethane
 Concen: 23.992 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009664.D
 Acq: 03 Apr 2019 15:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV15

Tgt Ion:	97	Resp:	147143
Ion	Ratio	Lower	Upper
97	100		
83	88.4	57.3	106.3
85	56.6	38.1	70.7
99	63.5	40.9	75.9

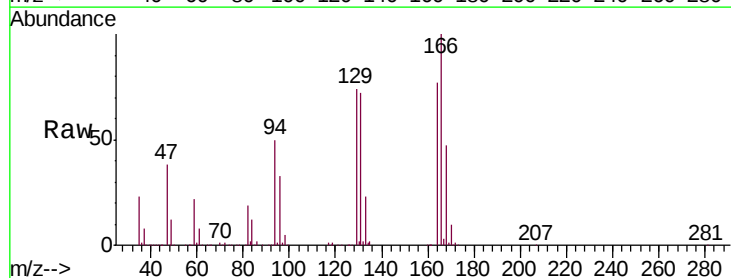


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

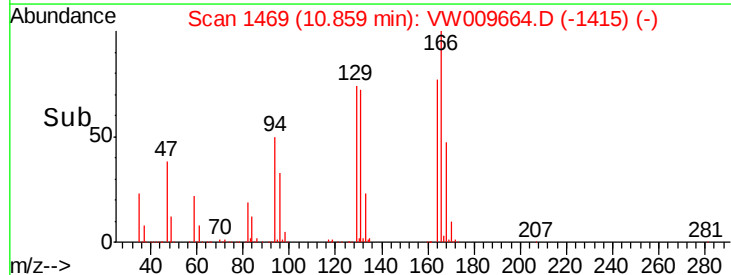
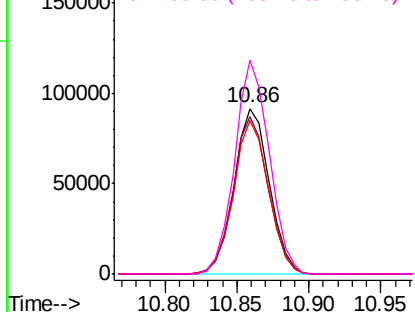


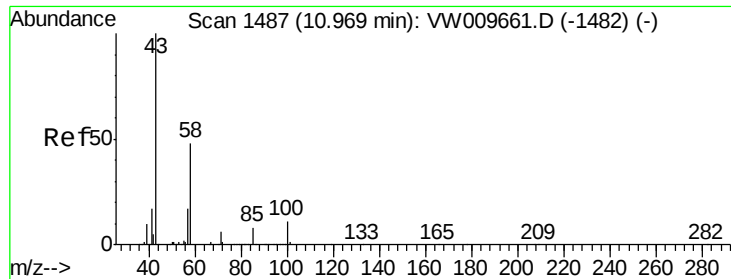
#47
 Tetrachloroethene
 Concen: 23.644 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW009664.D
 Acq: 03 Apr 2019 15:10

Tgt Ion:	164	Resp:	155551
Ion	Ratio	Lower	Upper
164	100		
129	95.4	68.9	127.9
131	92.8	63.1	117.1
166	129.2	88.5	164.4



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: 50.360 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

VICV15

Tgt Ion: 43 Resp: 237990

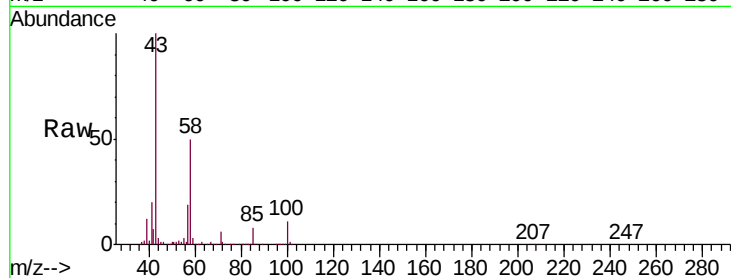
Ion Ratio Lower Upper

43 100

58 50.3 38.9 58.3

57 17.4 13.8 20.6

100 10.8 8.6 13.0



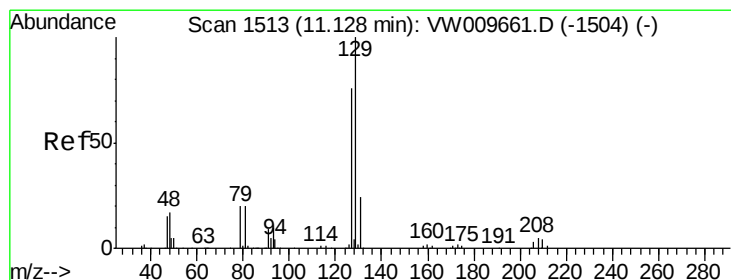
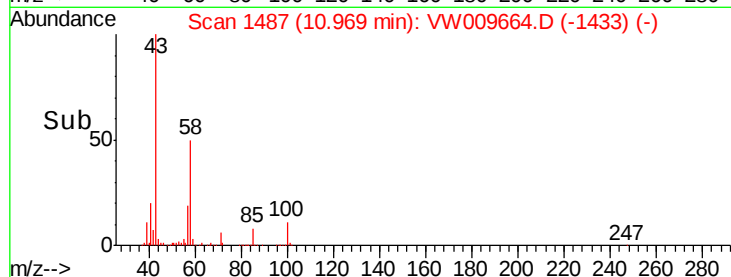
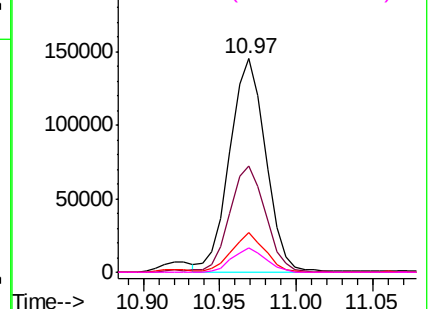
Abundance

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: 24.714 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009664.D

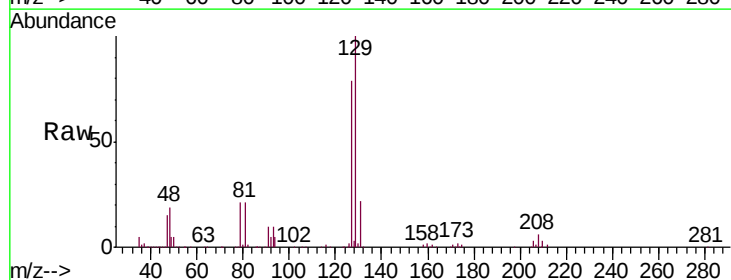
Acq: 03 Apr 2019 15:10

Tgt Ion: 129 Resp: 186210

Ion Ratio Lower Upper

129 100

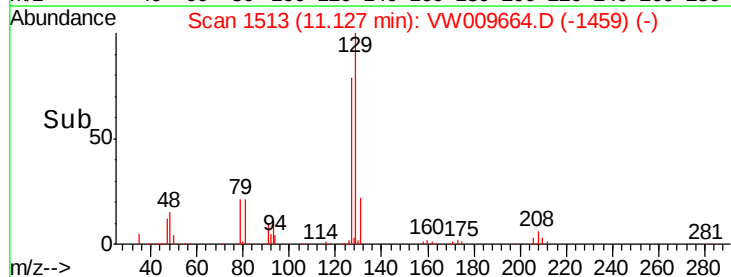
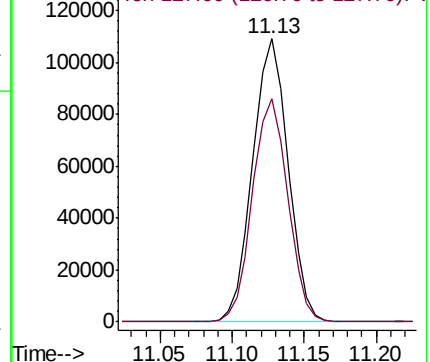
127 78.8 53.0 98.4

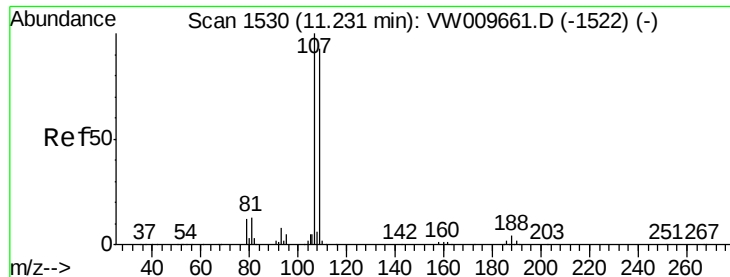


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 24.265 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

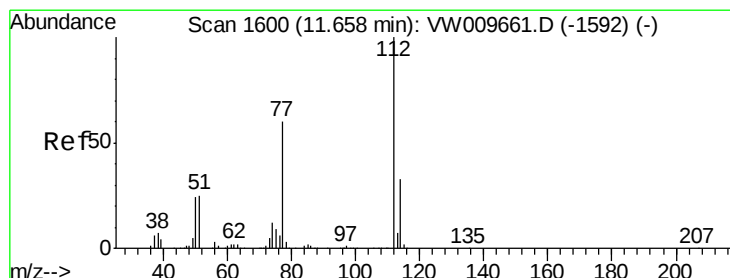
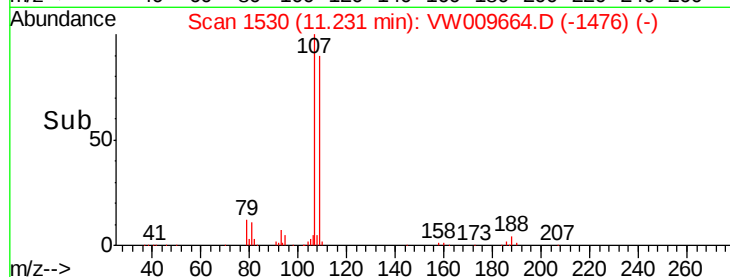
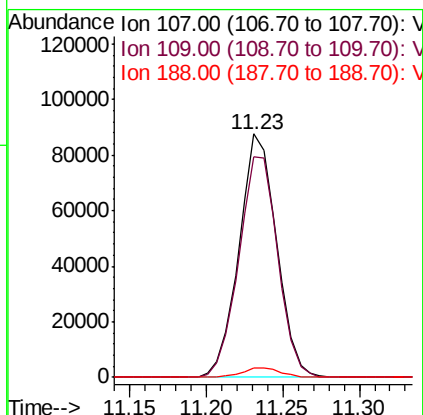
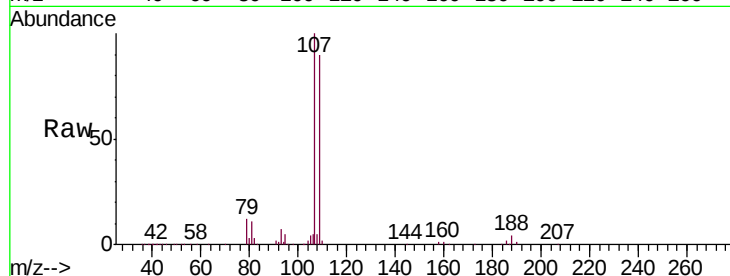
Instrument :

MSVOA_W

ClientSampleId :

VICV15

Tgt Ion:	107	Resp:	149155
Ion	Ratio	Lower	Upper
107	100		
109	90.4	65.4	121.4
188	3.8	3.2	4.8



#52

Chlorobenzene

Concen: 24.165 ug/L

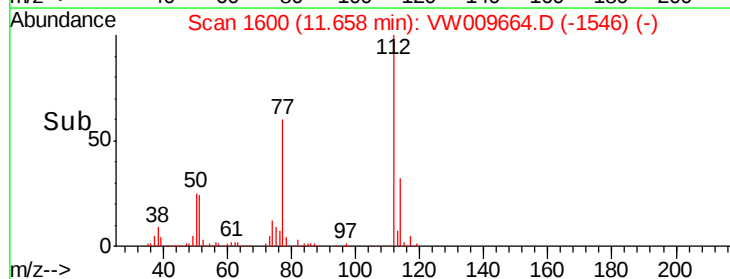
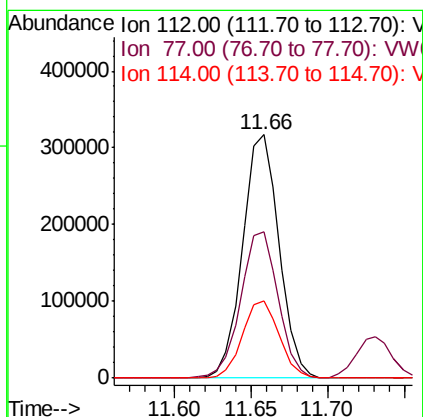
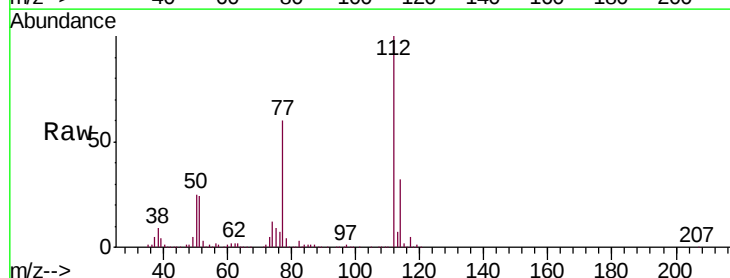
RT: 11.66 min Scan# 1600

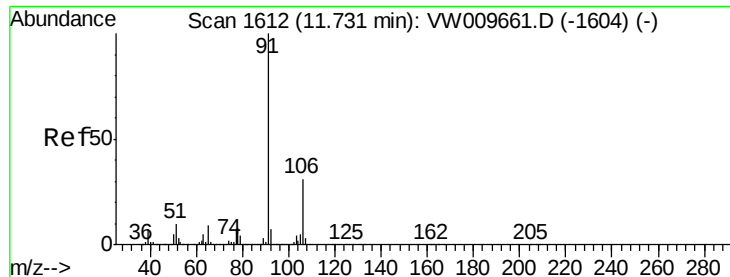
Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

Tgt Ion:	112	Resp:	525957
Ion	Ratio	Lower	Upper
112	100		
77	60.3	48.2	72.2
114	31.5	23.0	42.6





#53

Ethylbenzene

Concen: 24.899 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

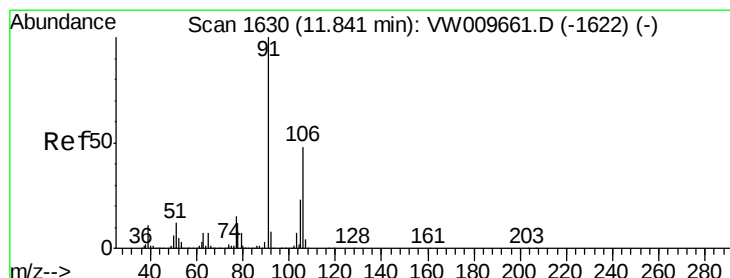
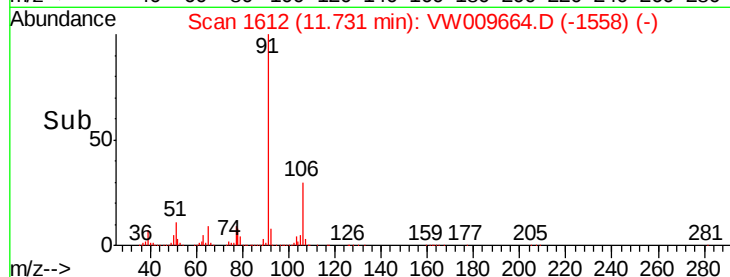
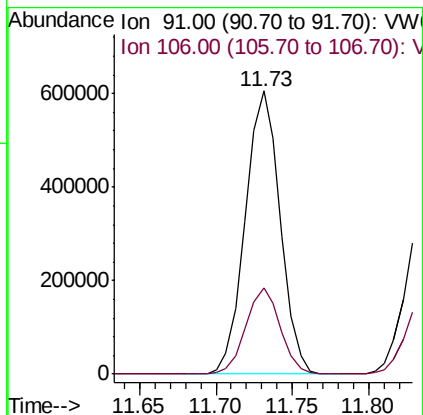
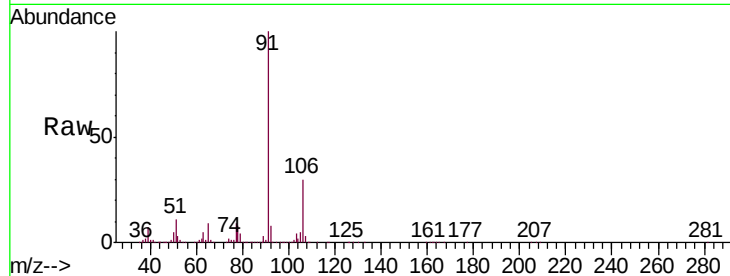
VICV15

Tgt Ion: 91 Resp: 959043

Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



#54

m,p-Xylene

Concen: 24.979 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009664.D

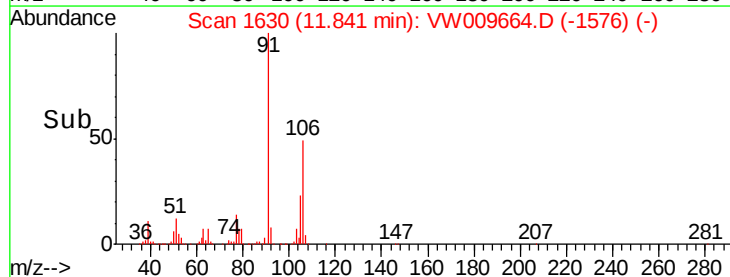
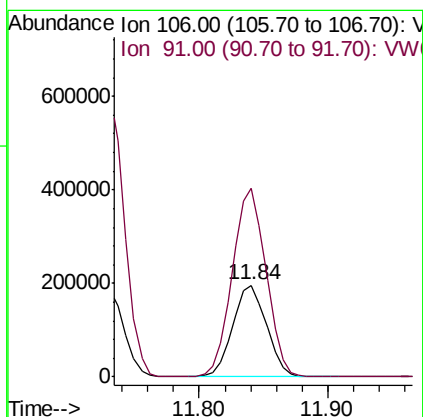
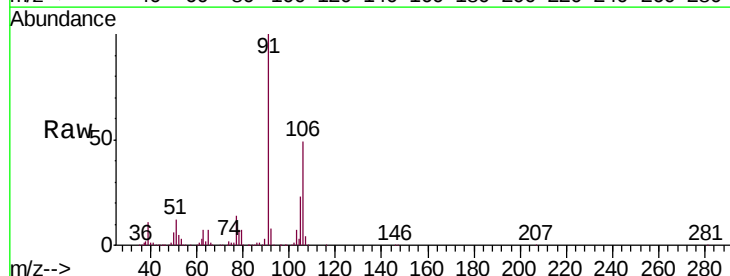
Acq: 03 Apr 2019 15:10

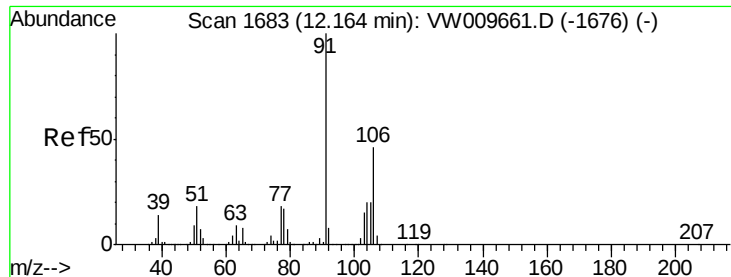
Tgt Ion: 106 Resp: 355859

Ion Ratio Lower Upper

106 100

91 205.7 145.3 269.9

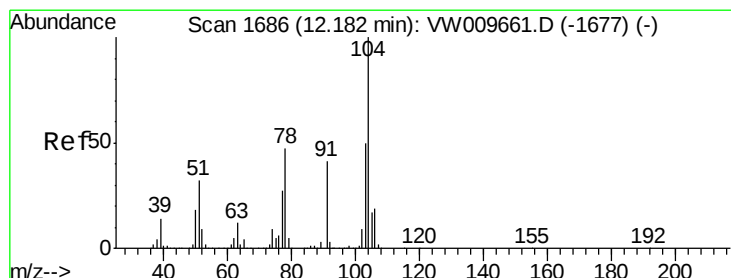
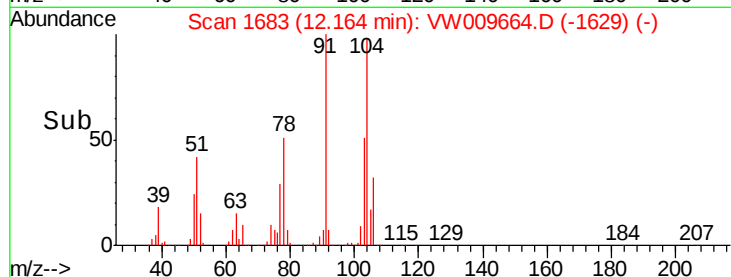
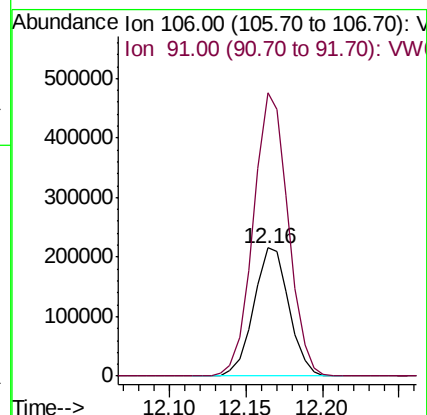
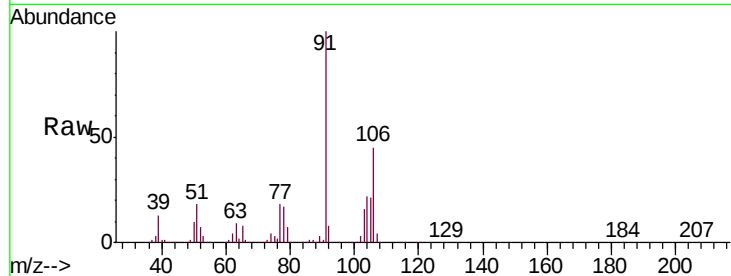




#55
o-xylene
Concen: 25.341 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW009664.D
Acq: 03 Apr 2019 15:10

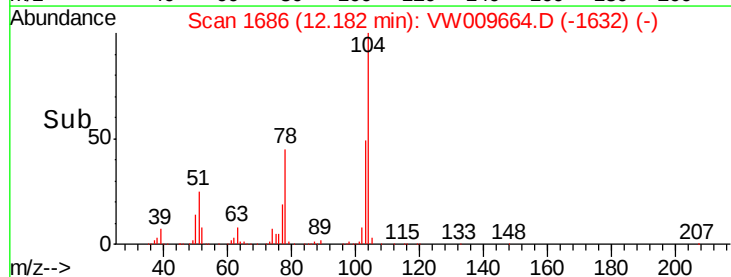
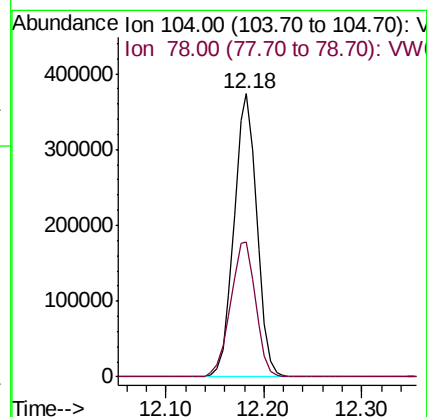
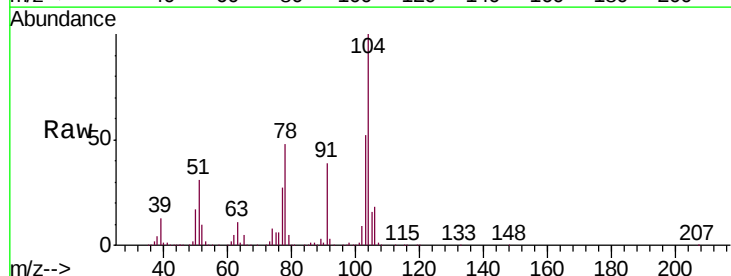
Instrument :
MSVOA_W
ClientSampled :
VICV15

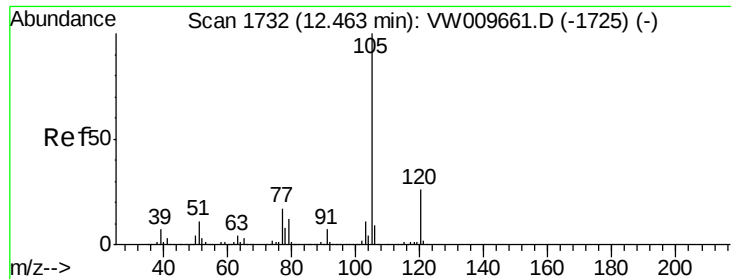
Tgt Ion:106 Resp: 343829
Ion Ratio Lower Upper
106 100
91 220.9 153.9 285.7



#56
Styrene
Concen: 25.632 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009664.D
Acq: 03 Apr 2019 15:10

Tgt Ion:104 Resp: 603451
Ion Ratio Lower Upper
104 100
78 47.8 32.9 61.1





#57

Isopropylbenzene

Concen: 25.429 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

VICV15

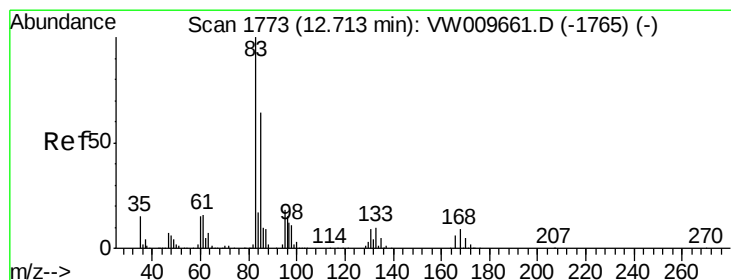
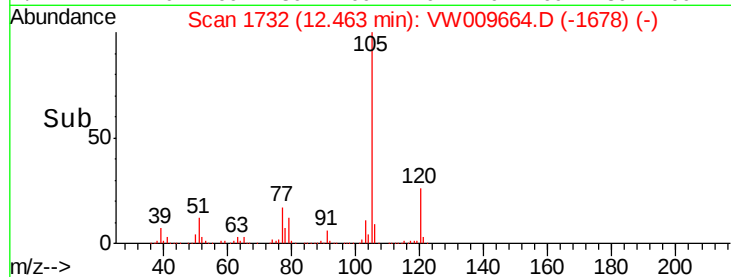
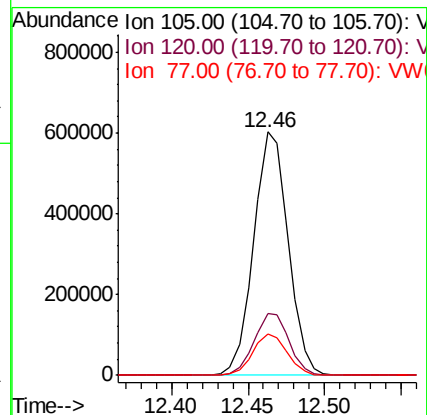
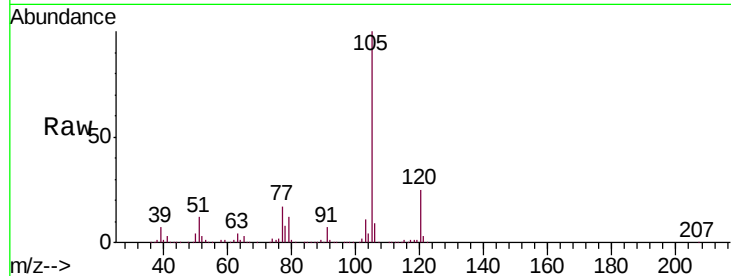
Tgt Ion:105 Resp: 944765

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.4

77 16.9 13.4 20.2



#58

1,1,2,2-Tetrachloroethane

Concen: 24.555 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

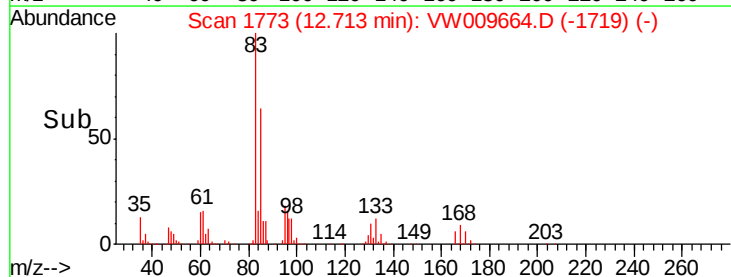
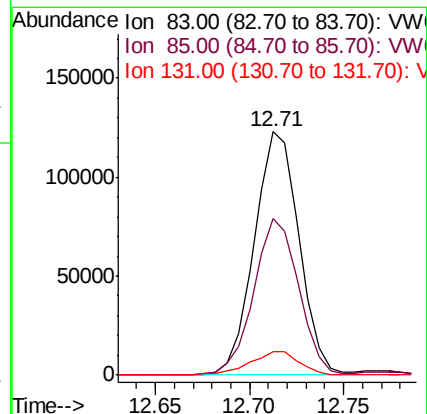
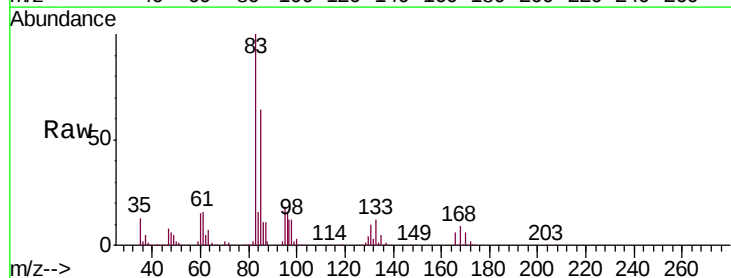
Tgt Ion: 83 Resp: 202500

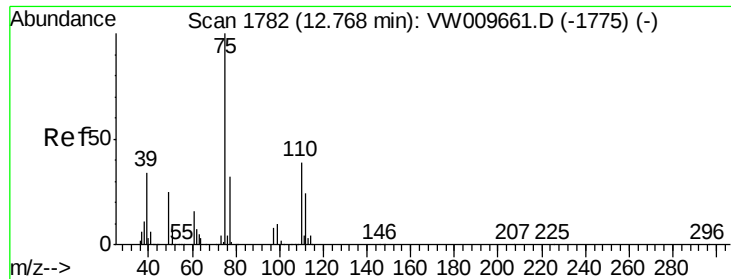
Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.3

131 9.7 7.2 10.8





#59

1,2,3-Trichloropropane

Concen: 24.942 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

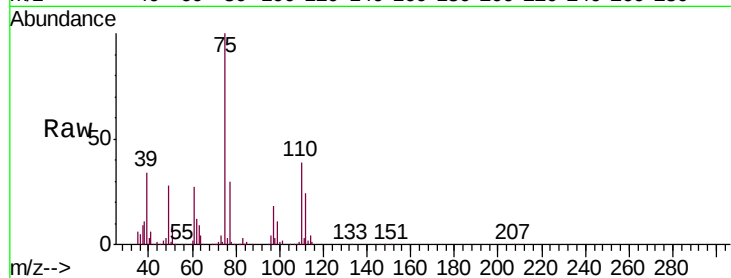
VICV15

Tgt Ion: 75 Resp: 153119

Ion Ratio Lower Upper

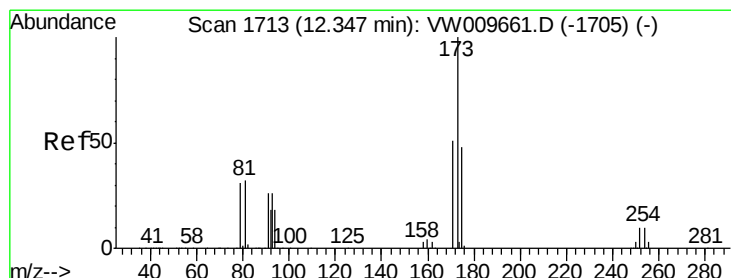
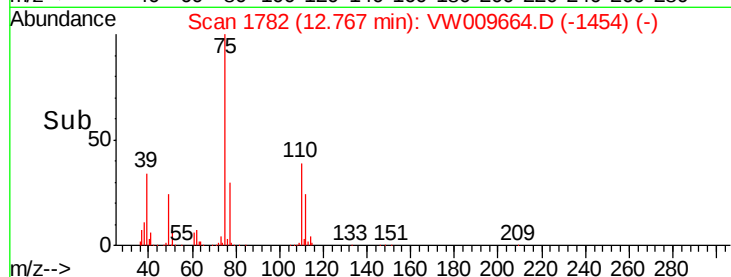
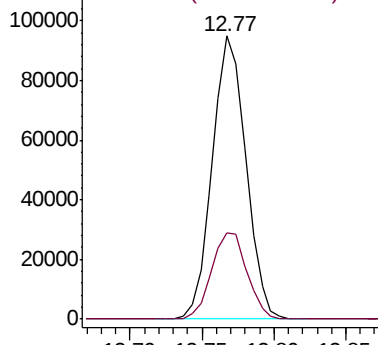
75 100

77 32.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 24.267 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

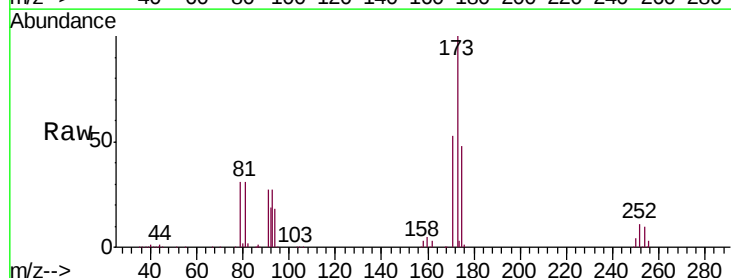
Tgt Ion: 173 Resp: 112767

Ion Ratio Lower Upper

173 100

175 48.5 39.4 59.2

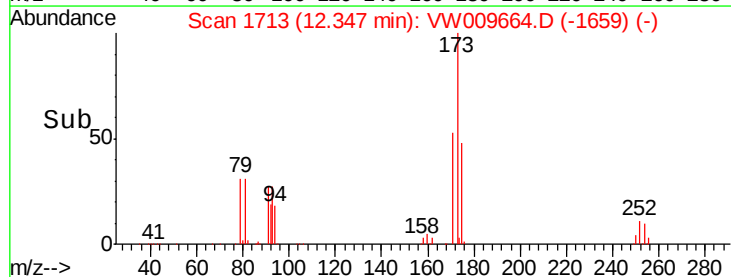
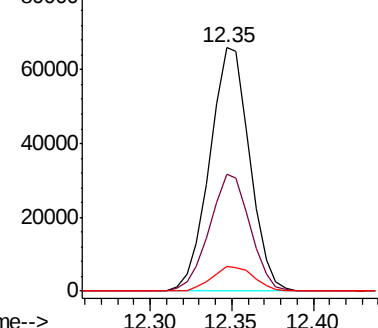
254 10.7 8.5 12.7

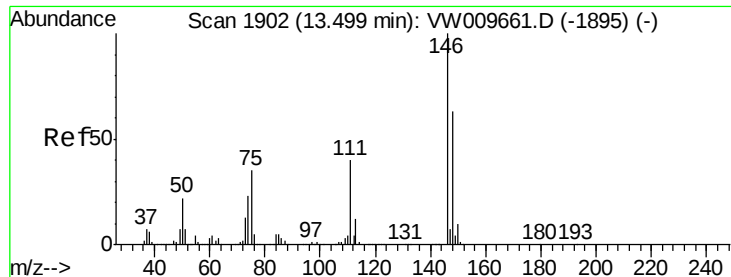


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

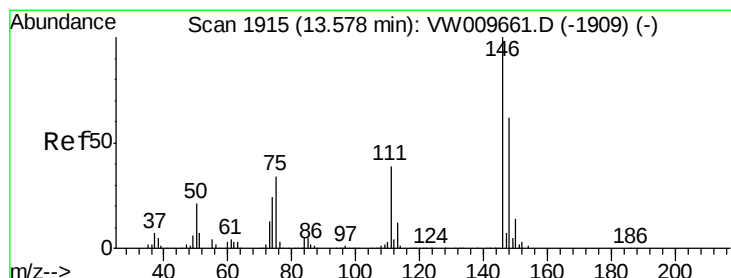
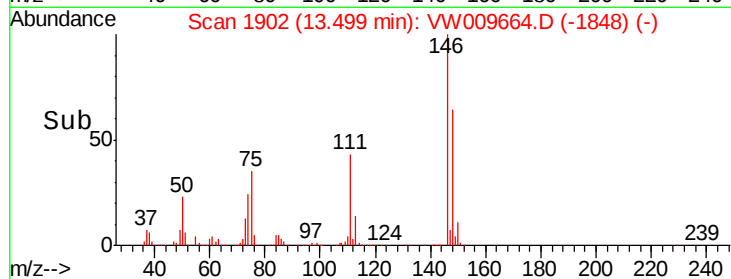
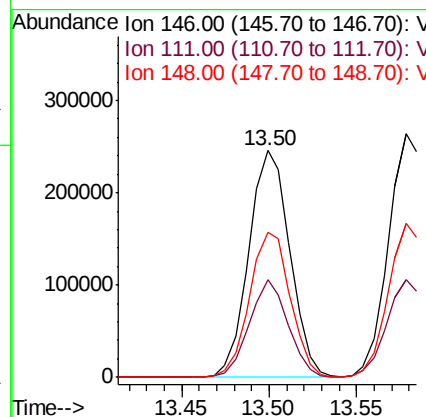
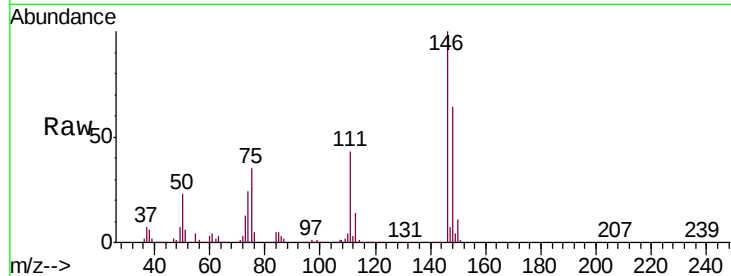




#63
 1,3-Dichlorobenzene
 Concen: 24.487 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009664.D
 Acq: 03 Apr 2019 15:10

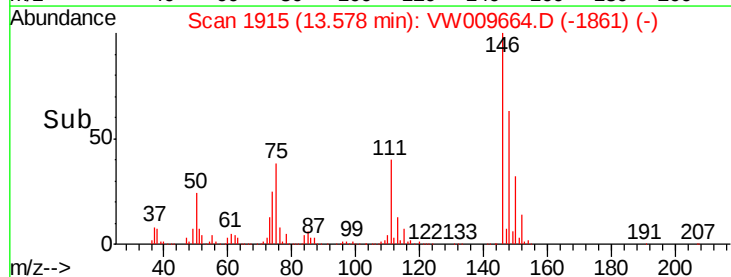
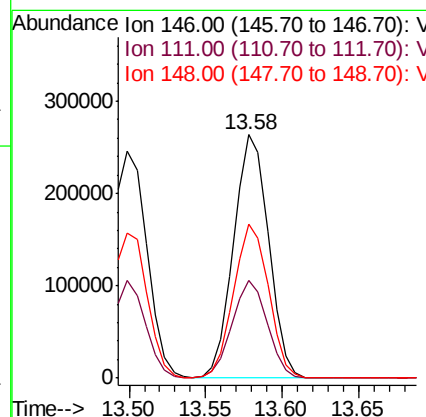
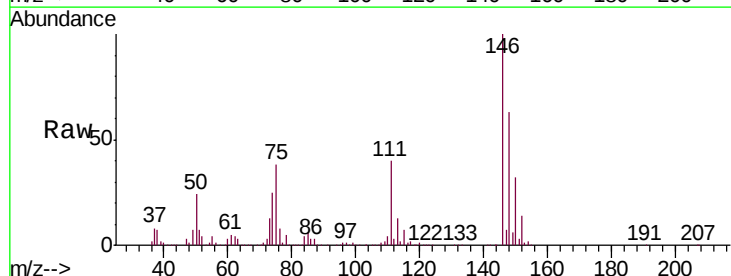
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV15

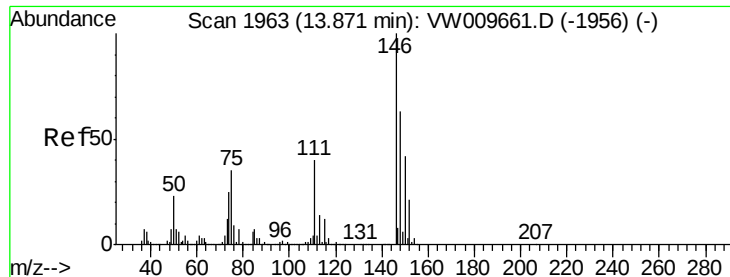
Tgt Ion:146 Resp: 400332
 Ion Ratio Lower Upper
 146 100
 111 43.2 28.1 52.3
 148 64.0 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 24.077 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009664.D
 Acq: 03 Apr 2019 15:10

Tgt Ion:146 Resp: 419754
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.4 50.8
 148 63.4 43.8 81.3

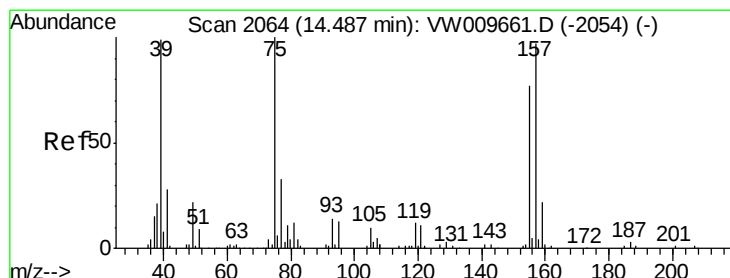
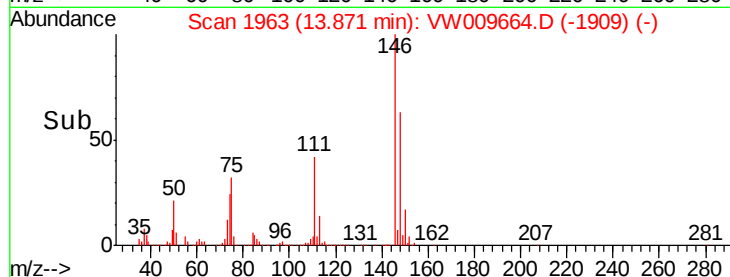
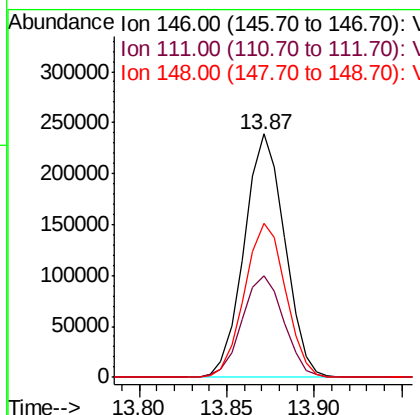
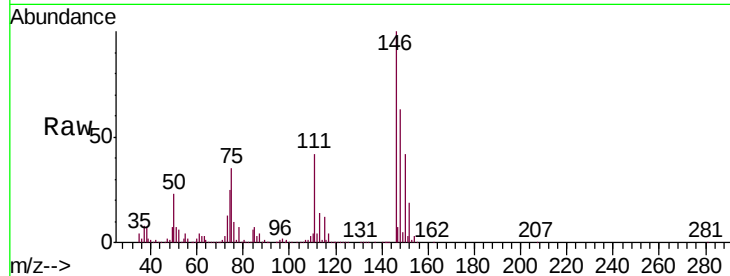




#65
 1,2-Dichlorobenzene
 Concen: 24.652 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009664.D
 Acq: 03 Apr 2019 15:10

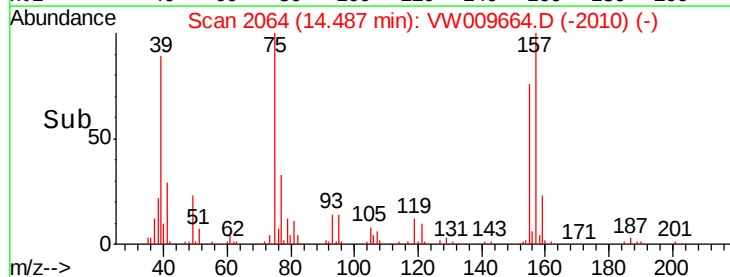
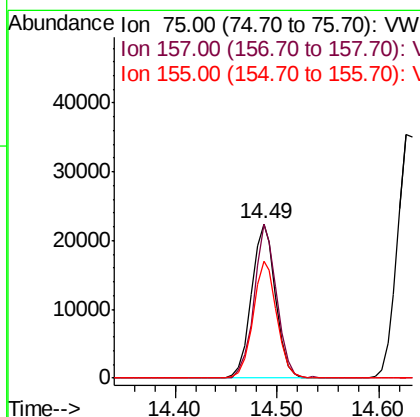
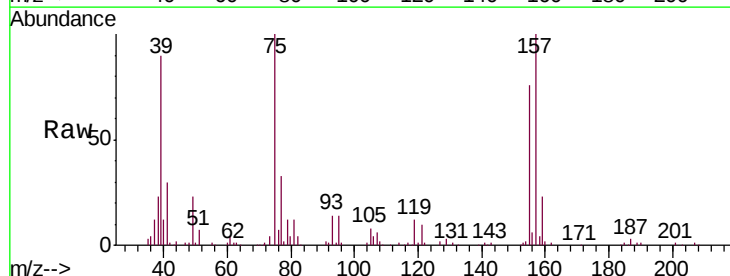
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV15

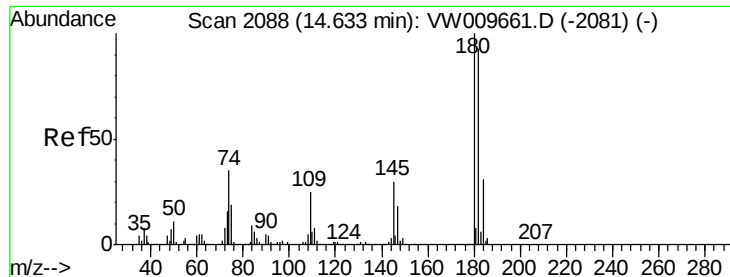
Tgt Ion:146 Resp: 385581
 Ion Ratio Lower Upper
 146 100
 111 41.9 32.4 48.6
 148 63.1 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.101 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009664.D
 Acq: 03 Apr 2019 15:10

Tgt Ion: 75 Resp: 36694
 Ion Ratio Lower Upper
 75 100
 157 100.0 77.2 115.8
 155 76.1 61.9 92.9

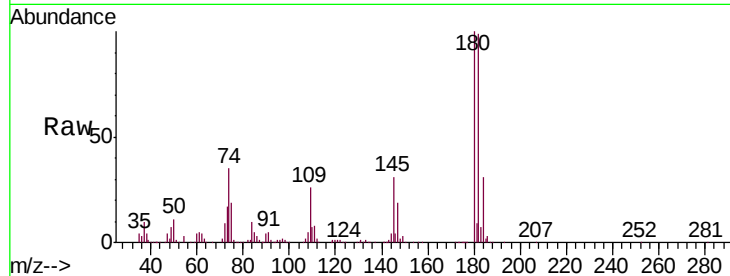




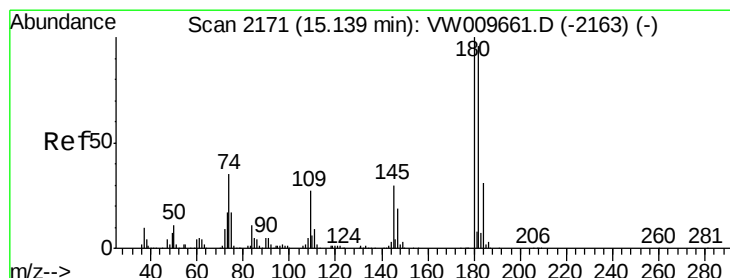
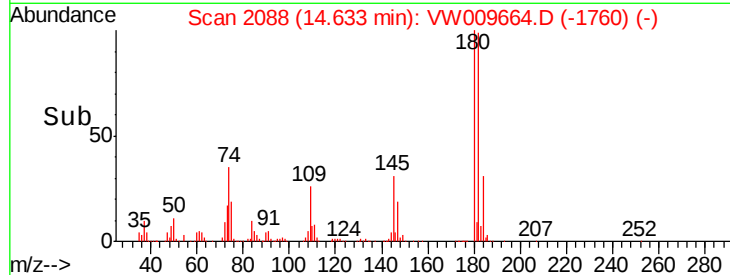
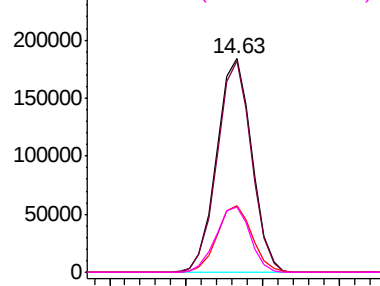
#67
 1,3,5-Trichlorobenzene
 Concen: 24.065 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW009664.D
 Acq: 03 Apr 2019 15:10

Instrument :
 MSVOA_W
 ClientSampled :
 VICV15

Tgt Ion:	180	Resp:	291923
Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.8	113.6
184	31.1	24.7	37.1
145	30.3	24.5	36.7

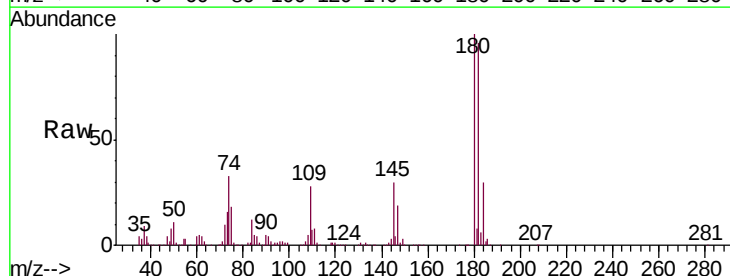


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

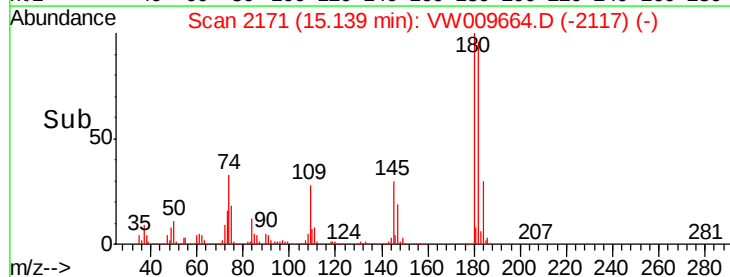
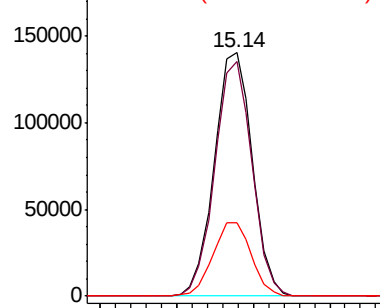


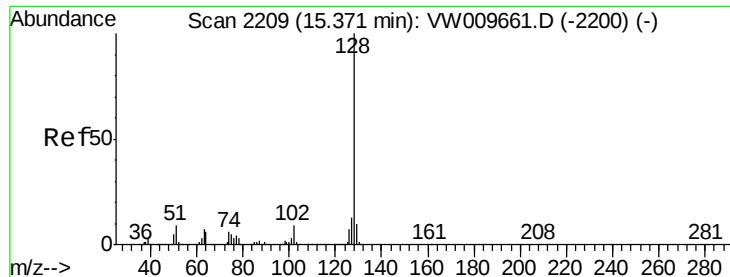
#68
 1,2,4-trichlorobenzene
 Concen: 24.875 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009664.D
 Acq: 03 Apr 2019 15:10

Tgt Ion:	180	Resp:	242330
Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.8	113.8
145	30.7	24.3	36.5



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





#69

Naphthalene

Concen: 26.477 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

Instrument :

MSVOA_W

ClientSampleId :

VICV15

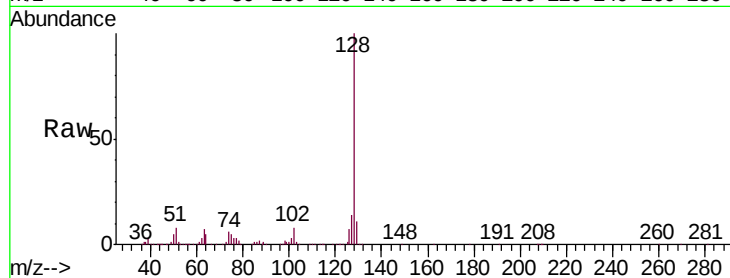
Tgt Ion:128 Resp: 518406

Ion Ratio Lower Upper

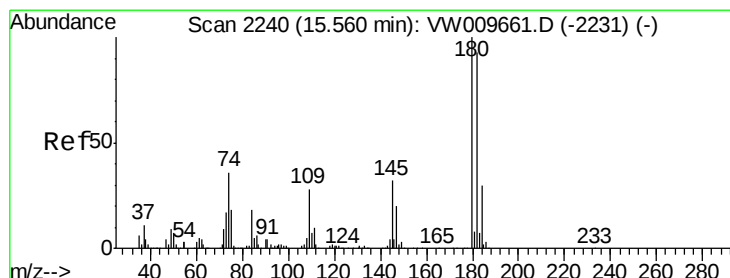
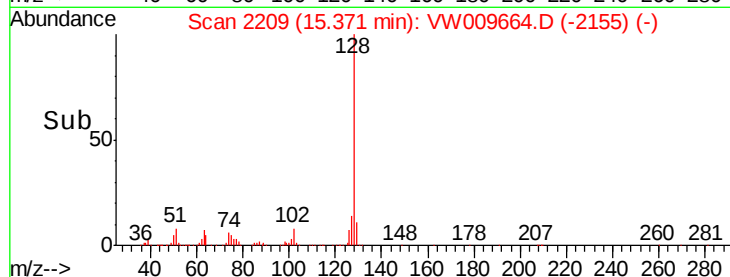
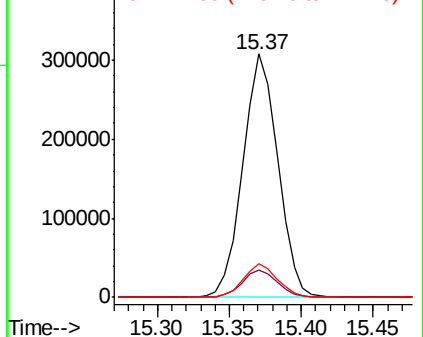
128 100

129 11.2 8.5 12.7

127 13.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.005 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009664.D

Acq: 03 Apr 2019 15:10

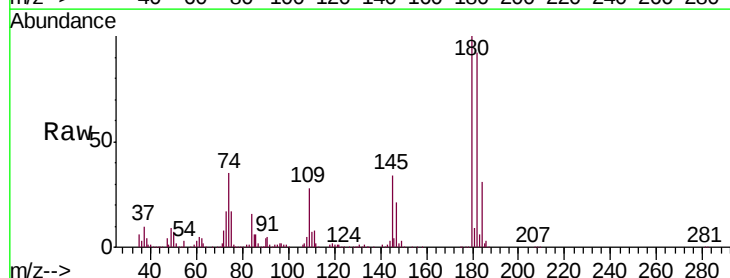
Tgt Ion:180 Resp: 227874

Ion Ratio Lower Upper

180 100

182 93.7 75.0 112.4

145 32.9 25.8 38.6



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

