

Data File : VW011105.D
Acq On : 02 Jul 2019 12:24
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV01

Quant Time: Jul 03 05:13:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 12:27:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	365776	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	334582	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	163063	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	144049	25.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.16%
7) Chloroethane-d5	2.89	69	104539	26.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.72%
10) 1,1-Dichloroethene-d2	4.02	63	305802	25.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.40%
20) 2-Butanone-d5	7.07	46	118182	53.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.44%
24) Chloroform-d	7.65	84	258222	25.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.04%
26) 1,2-Dichloroethane-d4	8.31	65	160724	26.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.12%
29) Benzene-d6	8.27	84	531992	25.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.24%
33) 1,2-Dichloropropane-d6	9.27	67	173052	25.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.12%
37) Toluene-d8	10.32	98	471550	25.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.68%
38) trans-1,3-Dichloropropene-	10.58	79	75267	26.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.48%
39) 2-Hexanone-d5	10.92	63	83060	53.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	143705	25.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	159489	25.48	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.92%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	143472	31.892	ug/L	99
3) Chloromethane	2.21	50	130731	26.767	ug/L	99
5) Vinyl chloride	2.36	62	168144	26.376	ug/L	99
6) Bromomethane	2.78	94	82744	27.744	ug/L	99
8) Chloroethane	2.92	64	92702	28.771	ug/L	98
9) Trichlorofluoromethane	3.25	101	58024	26.584	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	129899	26.710	ug/L	97
12) 1,1-Dichloroethene	4.04	96	129704	26.983	ug/L	87
13) Acetone	4.12	43	104160	48.470	ug/L	97
14) Carbon disulfide	4.38	76	375512	27.309	ug/L	100
15) Methyl Acetate	4.66	43	100778	28.820	ug/L	100
16) Methylene chloride	4.92	84	141400	26.307	ug/L	94
17) Methyl tert-butyl Ether	5.42	73	215451	28.902	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	131571	27.087	ug/L	99
19) 1,1-Dichloroethane	6.21	63	275381	27.927	ug/L	98
21) 2-Butanone	7.17	43	146790	52.913	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	146824	27.925	ug/L	99

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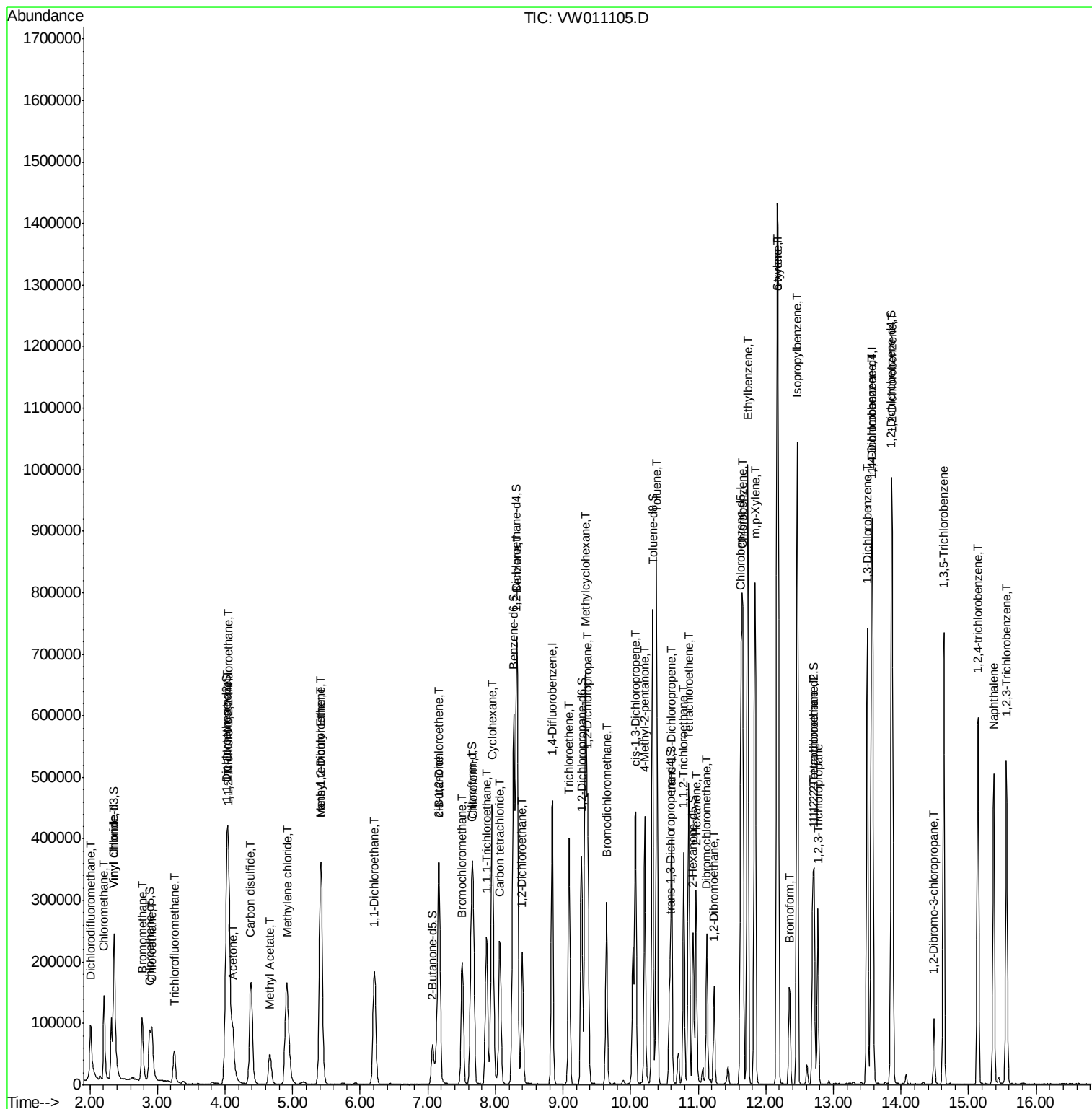
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	62197	28.192	ug/L	96
25) Chloroform	7.67	83	255989	27.407	ug/L	100
27) 1,2-Dichloroethane	8.40	62	199219	27.902	ug/L	99
30) Cyclohexane	7.95	56	275635	27.096	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	189288	27.259	ug/L	100
32) Carbon tetrachloride	8.07	117	177049	27.186	ug/L	99
34) Benzene	8.32	78	578140	27.648	ug/L	100
35) Trichloroethene	9.09	95	142617	27.027	ug/L	99
36) Methylcyclohexane	9.34	83	255915	26.949	ug/L	99
40) 1,2-Dichloropropane	9.37	63	160459	28.003	ug/L	100
41) Bromodichloromethane	9.64	83	187855	28.436	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	242751	28.713	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	303827	57.199	ug/L	99
44) Toluene	10.38	91	601132	27.774	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	201848	28.854	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	111140	28.009	ug/L	98
47) Tetrachloroethene	10.86	164	106298	26.654	ug/L	98
49) 2-Hexanone	10.97	43	215928	55.848	ug/L	99
50) Dibromochloromethane	11.13	129	121872	28.842	ug/L	100
51) 1,2-Dibromoethane	11.23	107	107288	28.002	ug/L	98
52) Chlorobenzene	11.66	112	363741	27.508	ug/L	100
53) Ethylbenzene	11.73	91	676295	27.547	ug/L	99
54) m,p-Xylene	11.84	106	244776	27.461	ug/L	96
55) o-xylene	12.16	106	236650	27.909	ug/L	98
56) Styrene	12.18	104	412945	28.389	ug/L	100
57) Isopropylbenzene	12.46	105	643450	27.799	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	149784	28.374	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	113974	28.115	ug/L	100
62) Bromoform	12.35	173	70299	28.927	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	278492	27.760	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	284296	27.682	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	262482	28.108	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	25754	28.090	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	214798	28.259	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	183786	28.861	ug/L	99
69) Naphthalene	15.37	128	410790	30.802	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	170540	29.270	ug/L	100

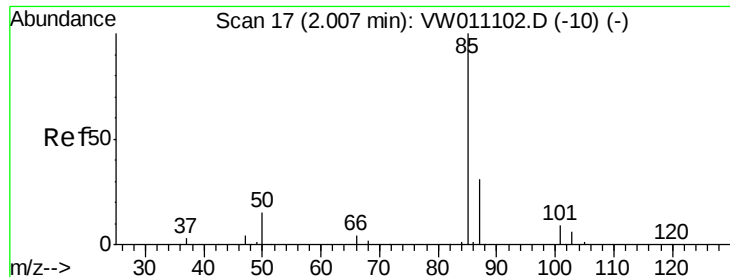
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 31.892 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampled :

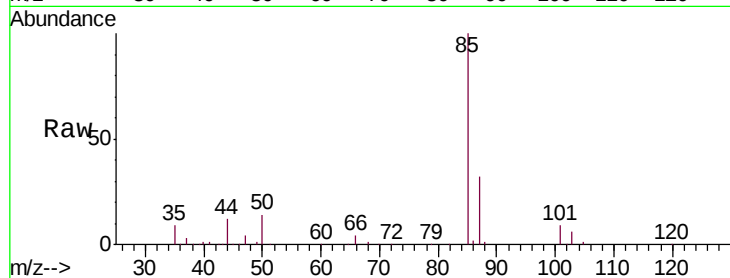
VICV01

Tgt Ion: 85 Resp: 143472

Ion Ratio Lower Upper

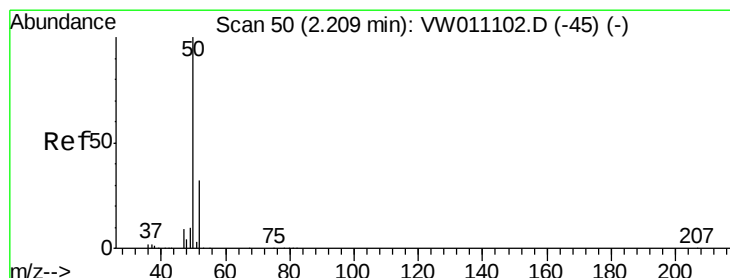
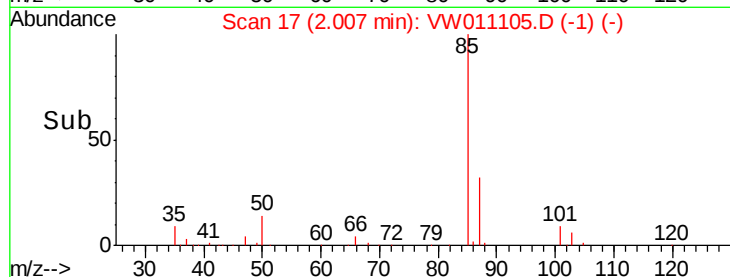
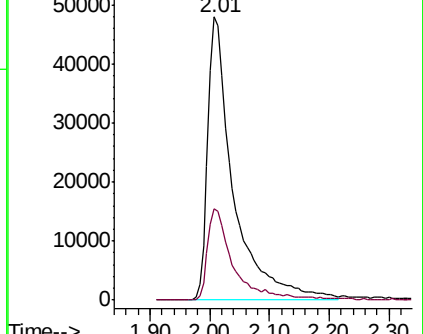
85 100

87 28.9 20.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 26.767 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011105.D

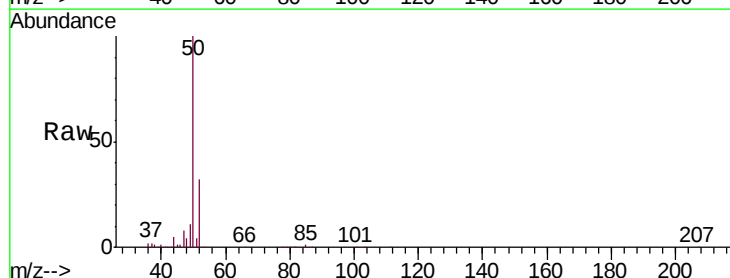
Acq: 02 Jul 2019 12:24

Tgt Ion: 50 Resp: 130731

Ion Ratio Lower Upper

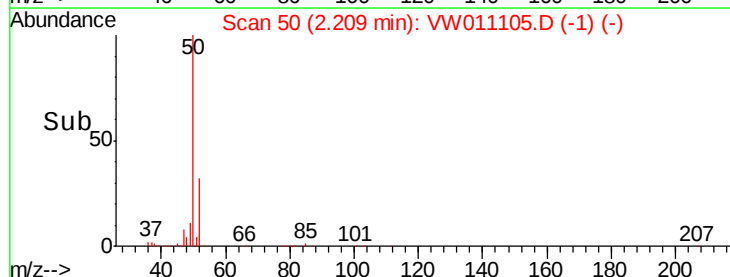
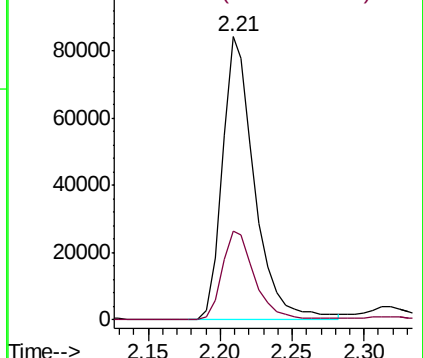
50 100

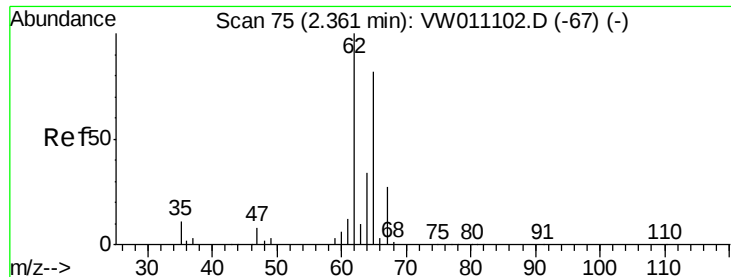
52 31.5 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.376 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

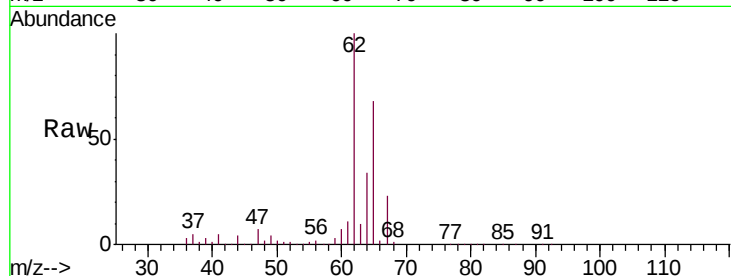
VICV01

Tgt Ion: 62 Resp: 168144

Ion Ratio Lower Upper

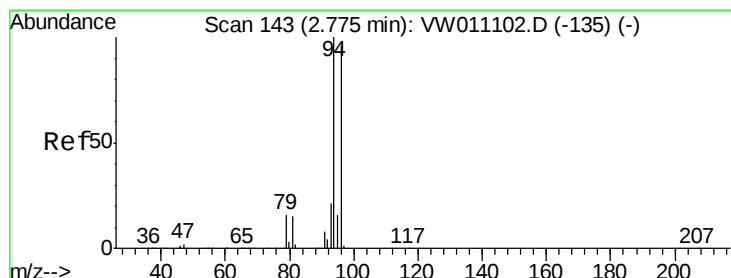
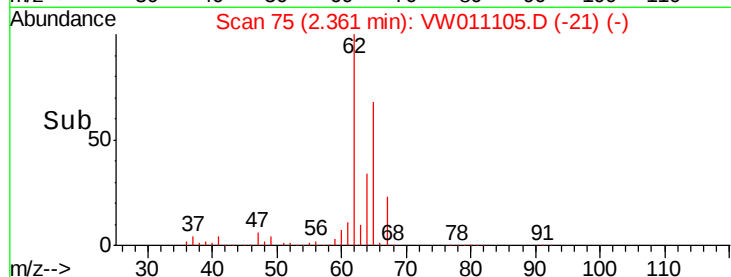
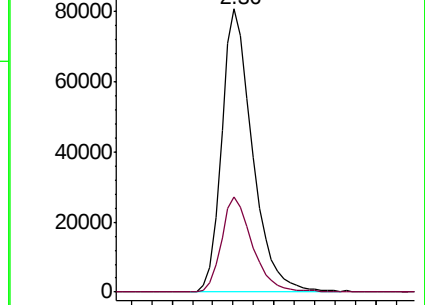
62 100

64 33.7 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 27.744 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011105.D

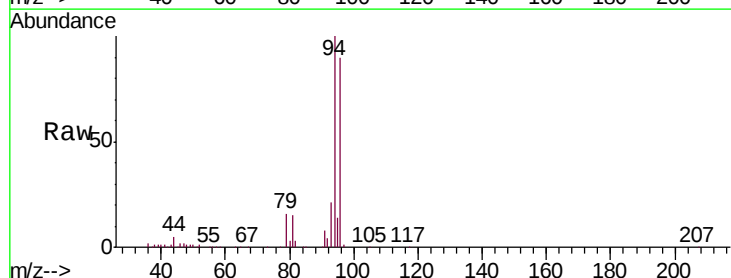
Acq: 02 Jul 2019 12:24

Tgt Ion: 94 Resp: 82744

Ion Ratio Lower Upper

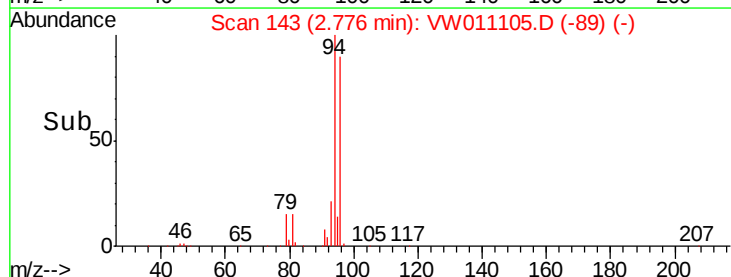
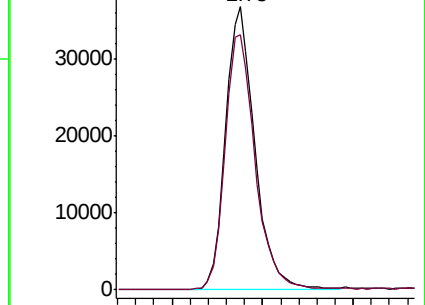
94 100

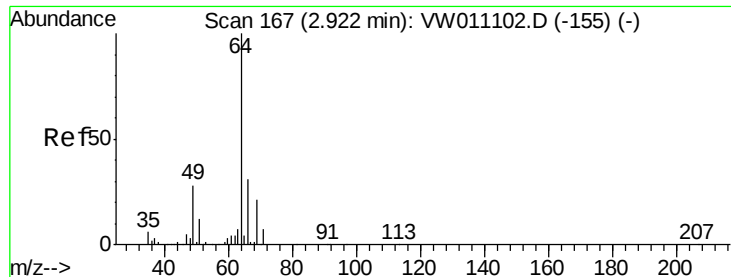
96 92.4 9.3 177.3



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 28.771 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

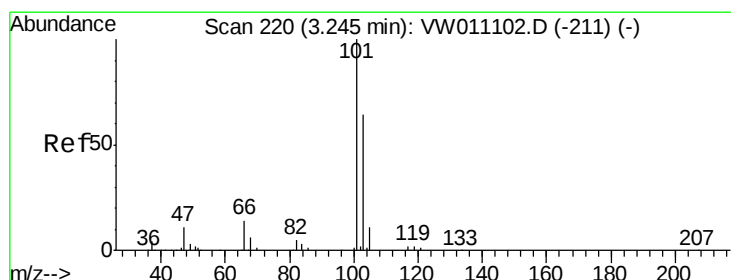
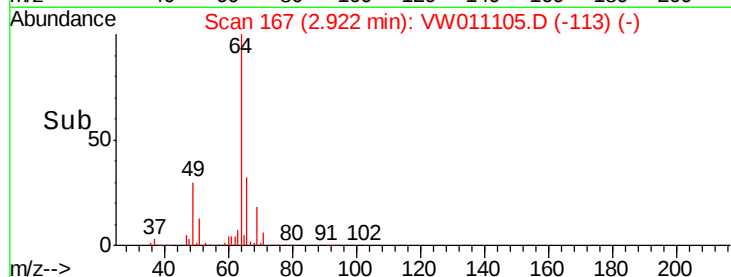
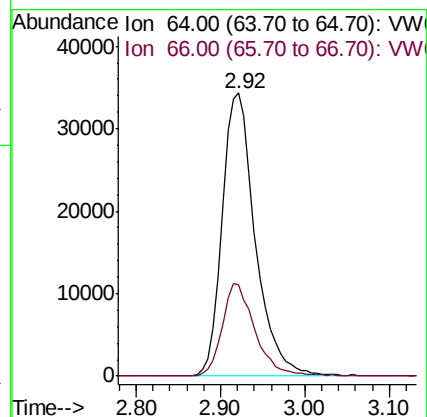
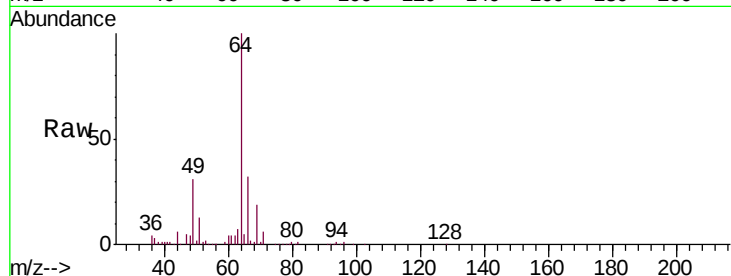
VICV01

Tgt Ion: 64 Resp: 92702

Ion Ratio Lower Upper

64 100

66 32.1 21.9 40.7



#9

Trichlorofluoromethane

Concen: 26.584 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.01 min

Lab File: VW011105.D

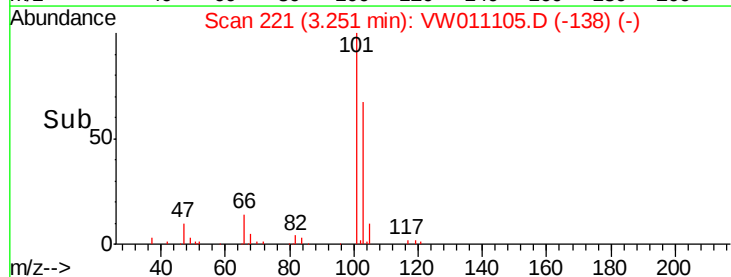
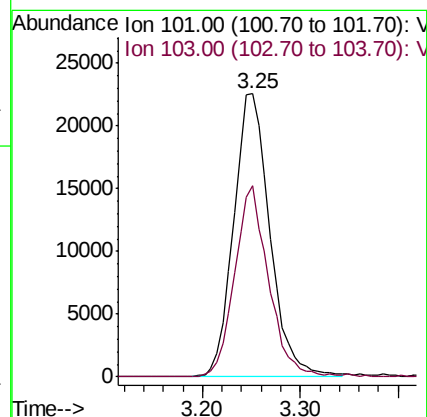
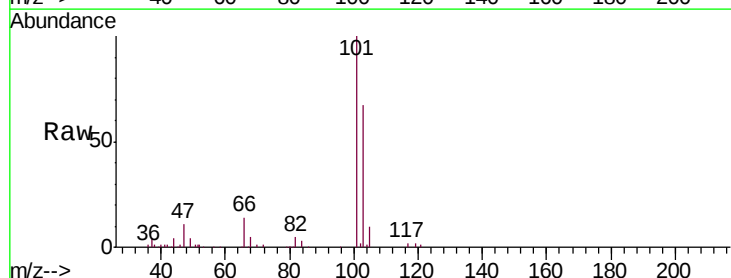
Acq: 02 Jul 2019 12:24

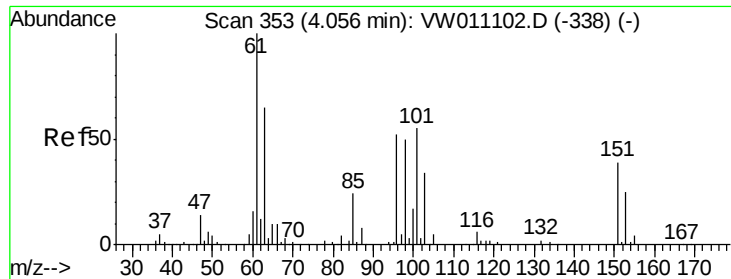
Tgt Ion: 101 Resp: 58024

Ion Ratio Lower Upper

101 100

103 62.7 44.6 82.8





#11

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

Concen: 26.710 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VICV01

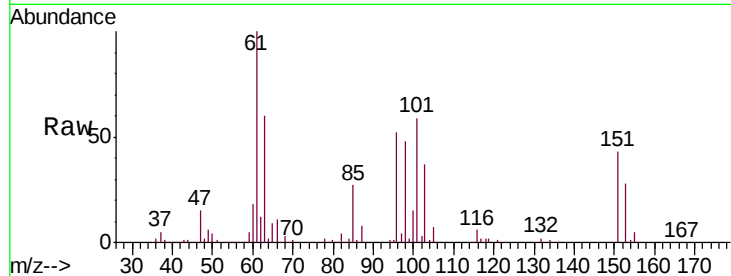
Tgt Ion: 101 Resp: 129899

Ion Ratio Lower Upper

101 100

85 45.5 33.8 50.8

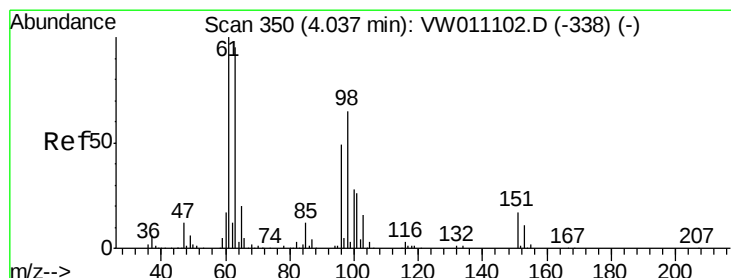
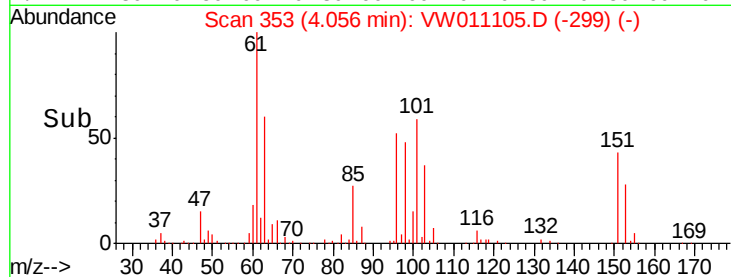
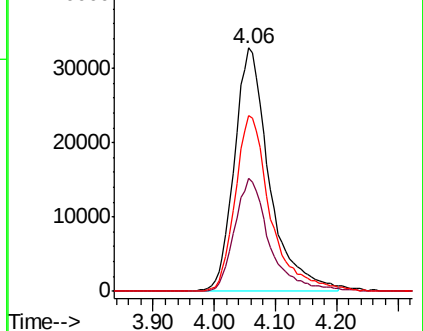
151 72.8 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.983 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

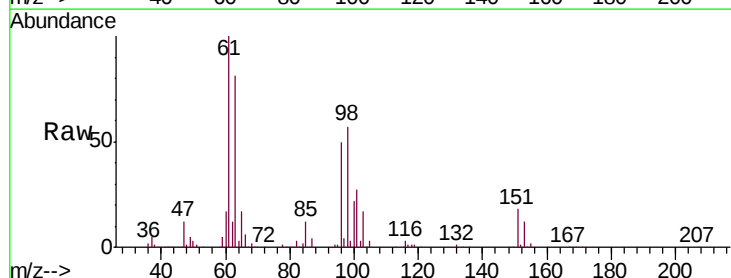
Tgt Ion: 96 Resp: 129704

Ion Ratio Lower Upper

96 100

61 199.8 142.2 264.0

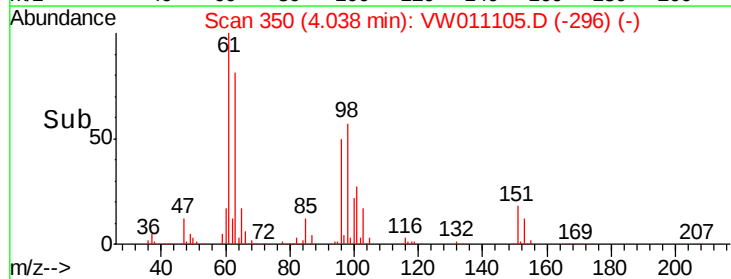
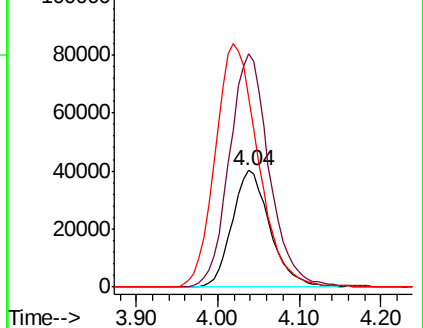
63 162.2 138.9 257.9

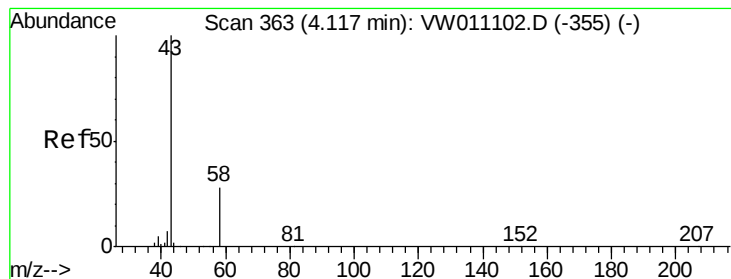


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.470 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampled :

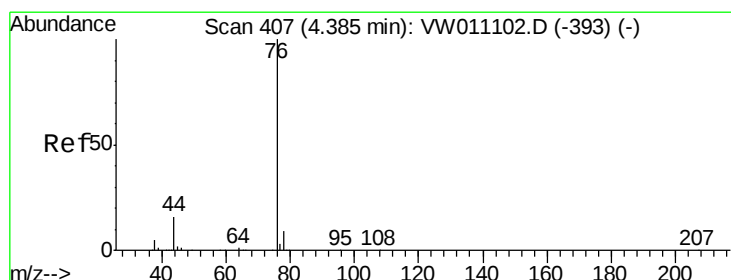
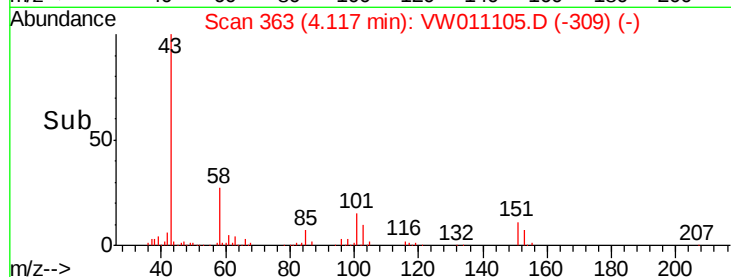
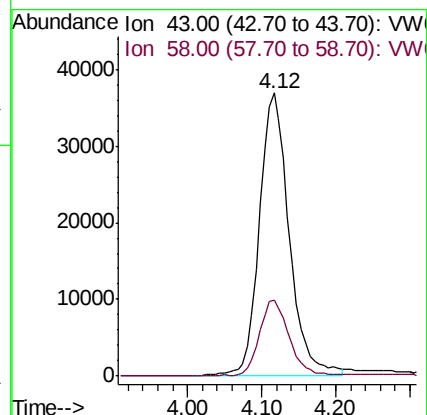
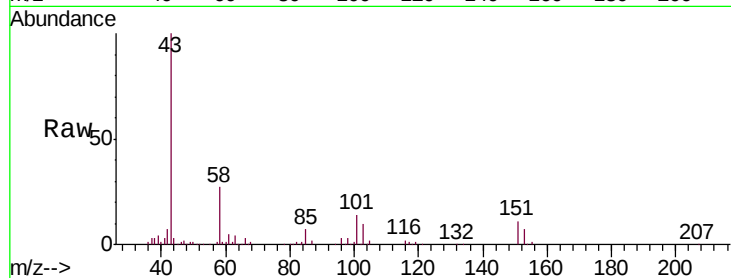
VICV01

Tgt Ion: 43 Resp: 104160

Ion Ratio Lower Upper

43 100

58 26.1 0.0 55.0



#14

Carbon disulfide

Concen: 27.309 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

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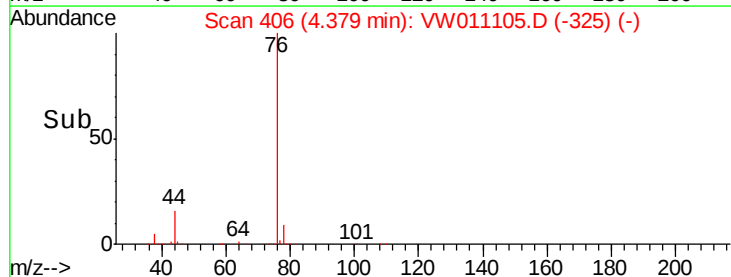
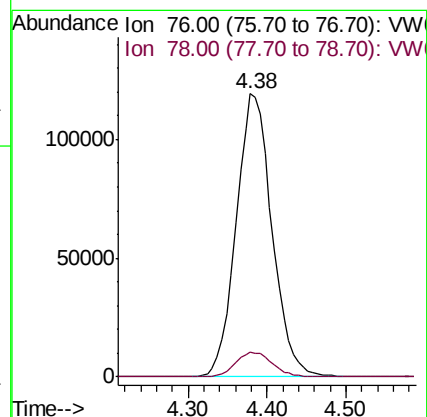
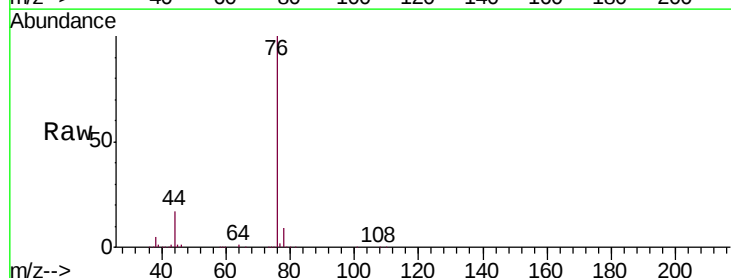
Acq: 02 Jul 2019 12:24

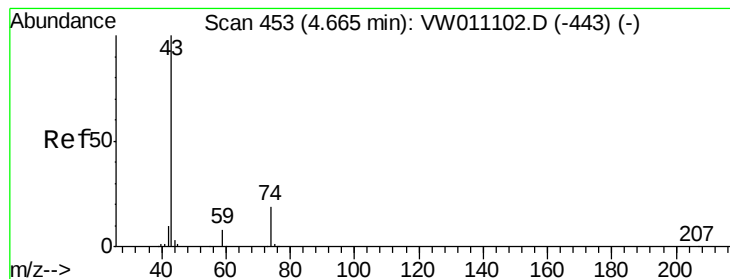
Tgt Ion: 76 Resp: 375512

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methyl Acetate

Concen: 28.820 ug/L

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampled :

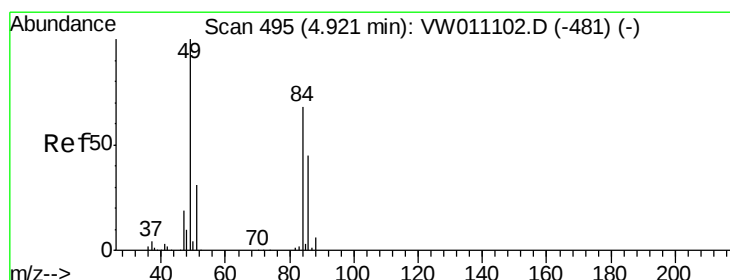
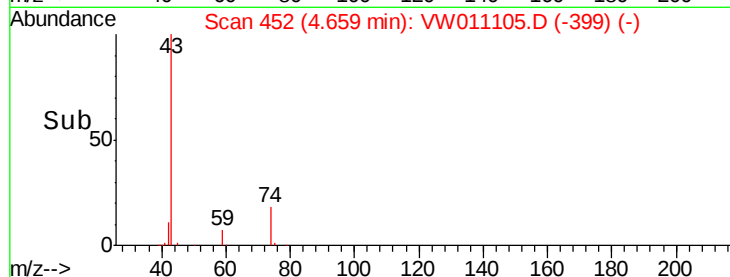
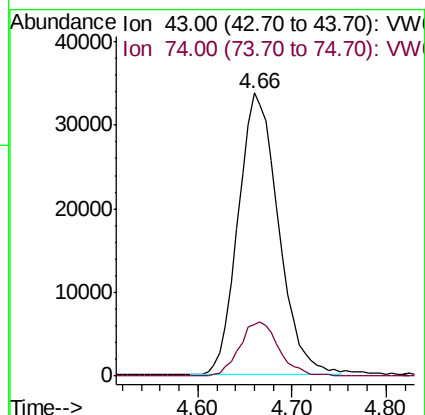
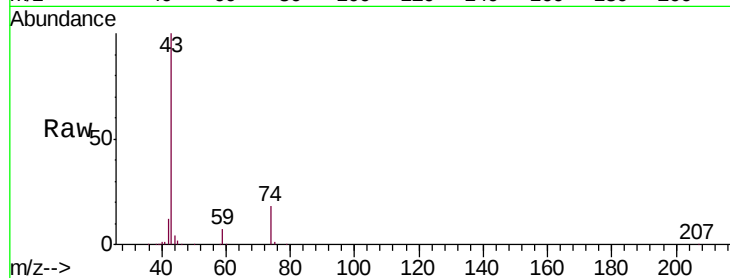
VICV01

Tgt Ion: 43 Resp: 100778

Ion Ratio Lower Upper

43 100

74 18.9 15.1 22.7



#16

Methylene chloride

Concen: 26.307 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

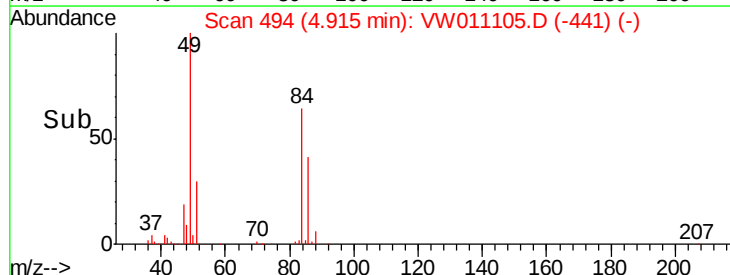
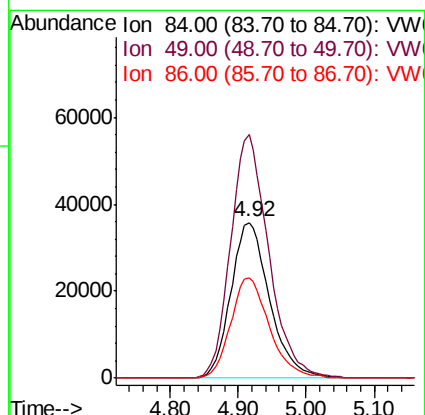
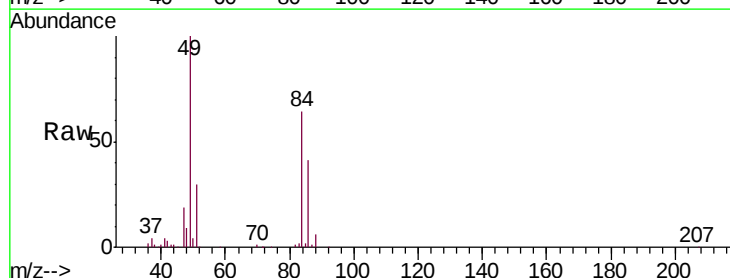
Tgt Ion: 84 Resp: 141400

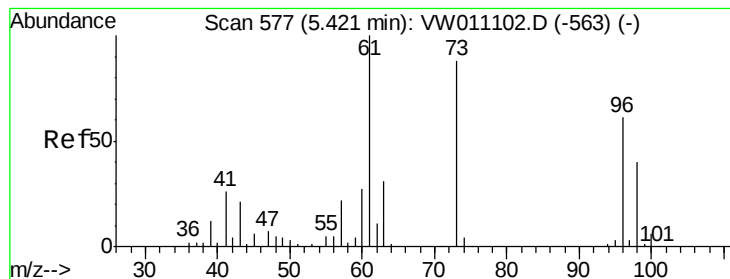
Ion Ratio Lower Upper

84 100

49 156.7 102.5 190.3

86 64.8 46.4 86.2



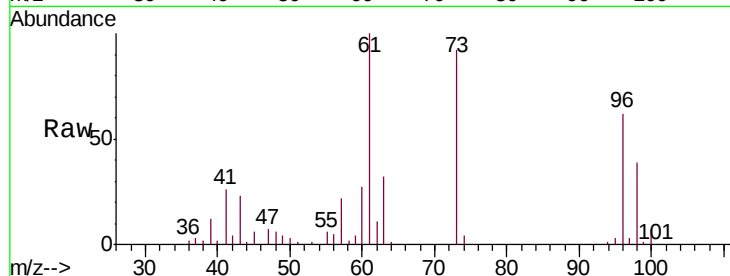


#17

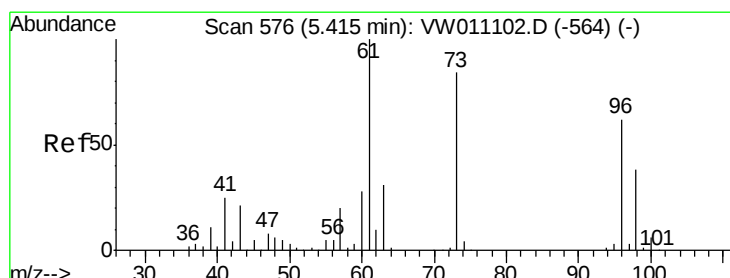
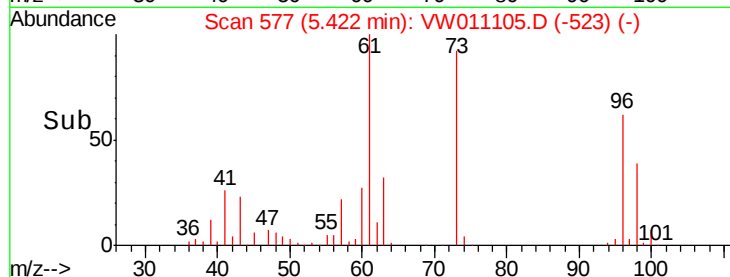
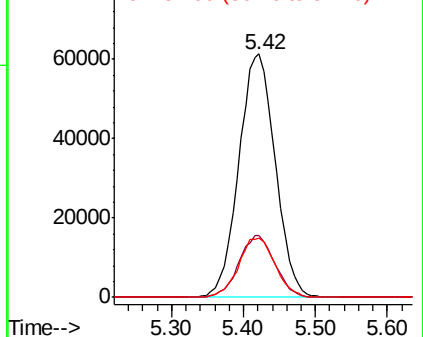
Methyl tert-butyl Ether
 Concen: 28.902 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW011105.D
 Acq: 02 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV01

Tgt Ion: 73 Resp: 215451
 Ion Ratio Lower Upper
 73 100
 43 24.7 20.2 30.2
 57 24.4 19.6 29.4



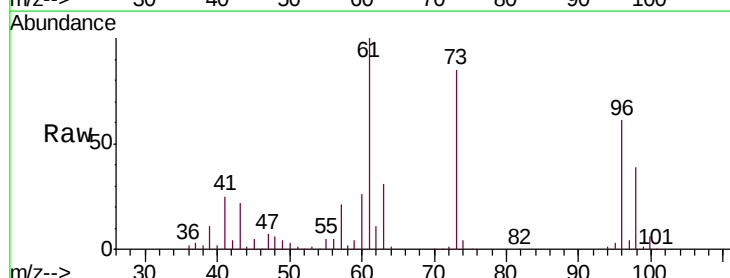
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



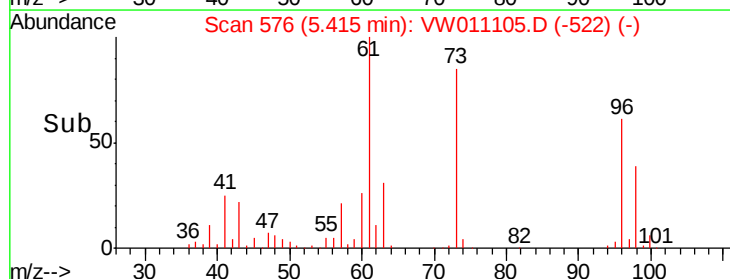
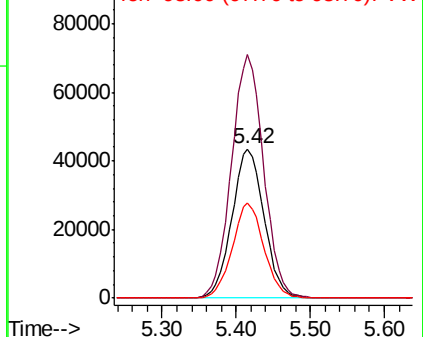
#18

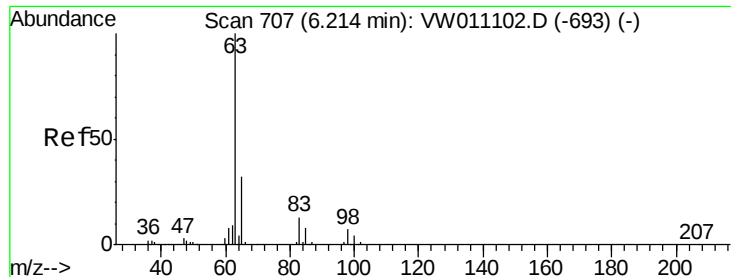
trans-1,2-Dichloroethene
 Concen: 27.087 ug/L
 RT: 5.42 min Scan# 576
 Delta R.T. 0.00 min
 Lab File: VW011105.D
 Acq: 02 Jul 2019 12:24

Tgt Ion: 96 Resp: 131571
 Ion Ratio Lower Upper
 96 100
 61 163.3 113.7 211.1
 98 64.0 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW

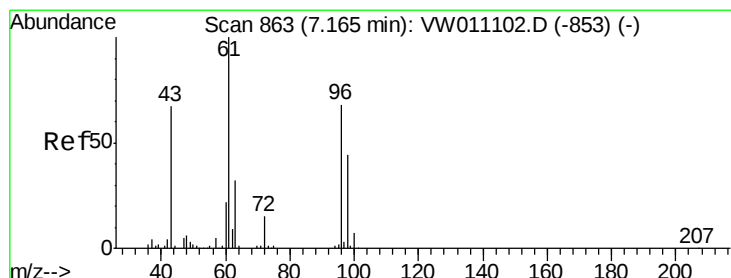
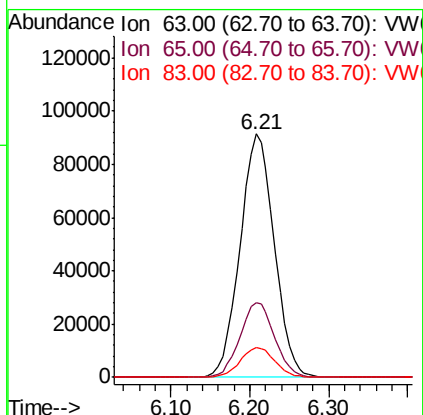
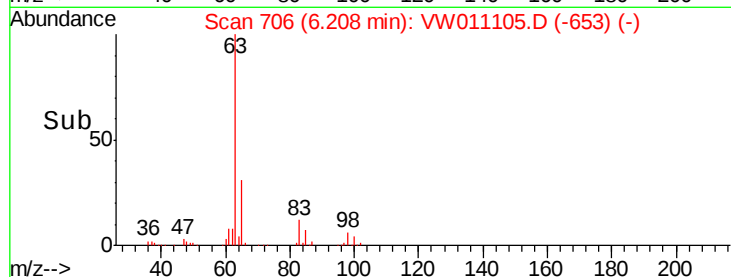
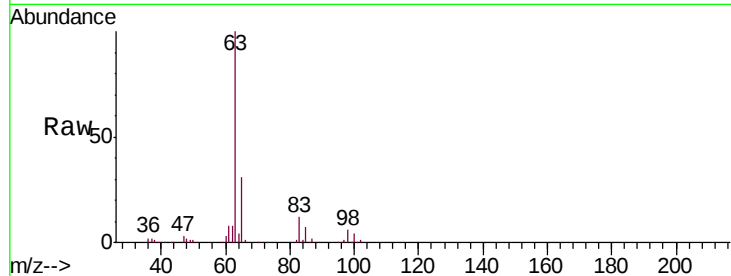




#19
 1,1-Dichloroethane
 Concen: 27.927 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW011105.D
 Acq: 02 Jul 2019 12:24

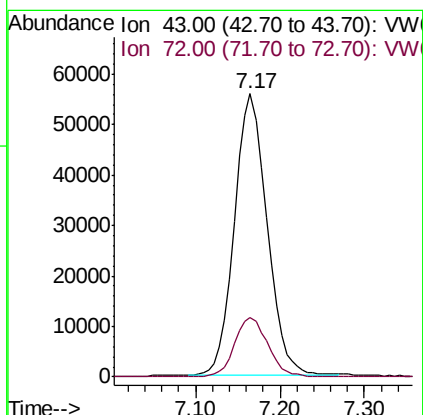
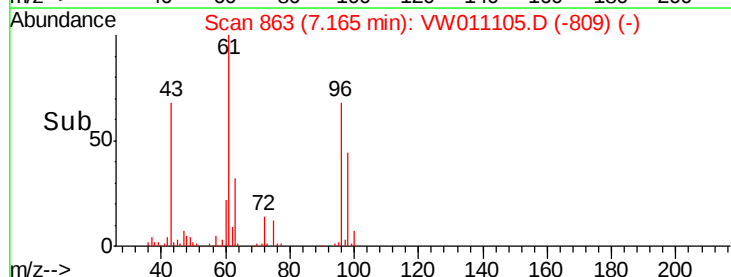
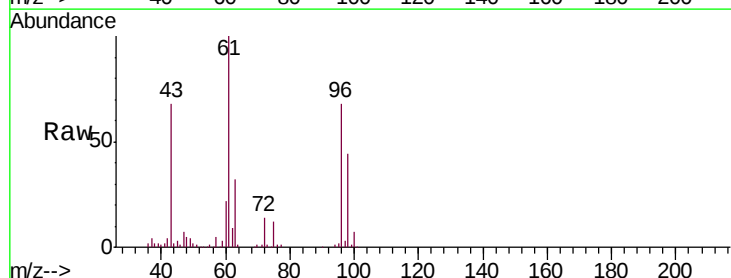
Instrument :
 MSVOA_W
 ClientSampled :
 VICV01

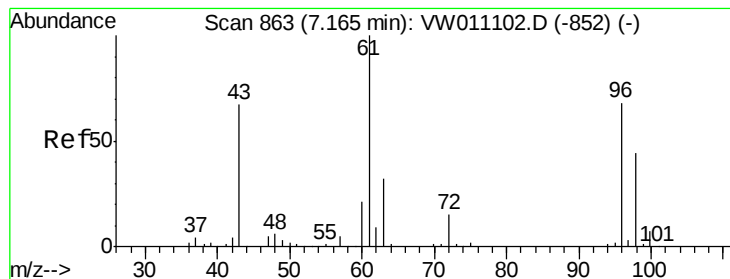
Tgt Ion: 63 Resp: 275381
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.1 41.1
 83 12.3 9.0 16.6



#21
 2-Butanone
 Concen: 52.913 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011105.D
 Acq: 02 Jul 2019 12:24

Tgt Ion: 43 Resp: 146790
 Ion Ratio Lower Upper
 43 100
 72 21.5 11.2 33.6



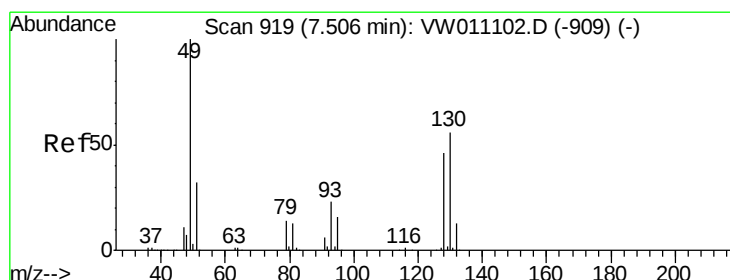
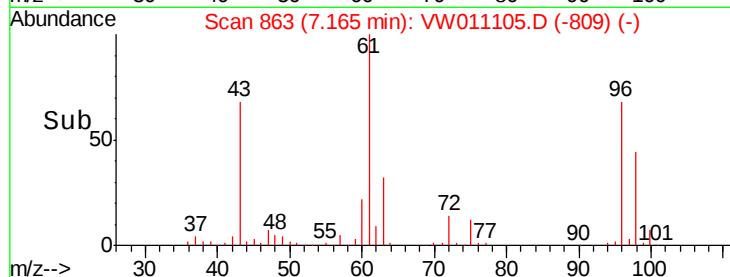
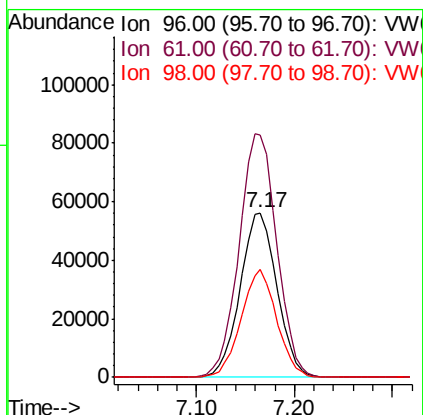
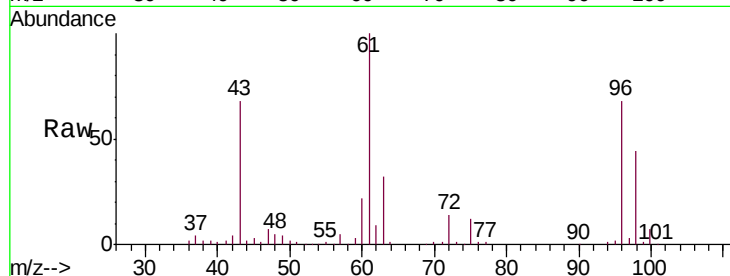


#22

cis-1,2-Dichloroethene
Concen: 27.925 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011105.D
Acq: 02 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampled :
VICV01

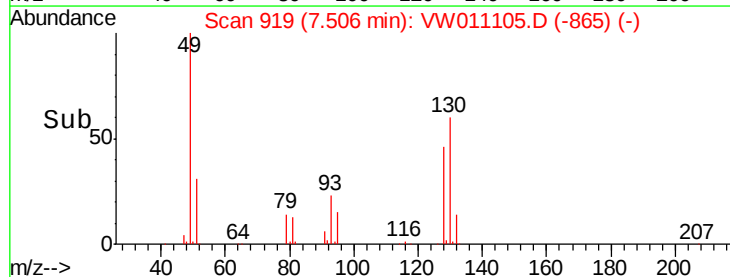
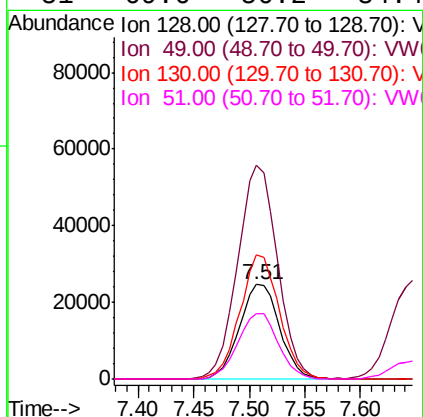
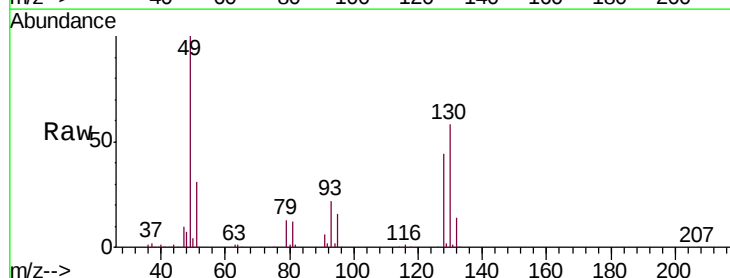
Tgt Ion: 96 Resp: 146824
Ion Ratio Lower Upper
96 100
61 146.8 103.2 191.6
98 65.2 44.8 83.2

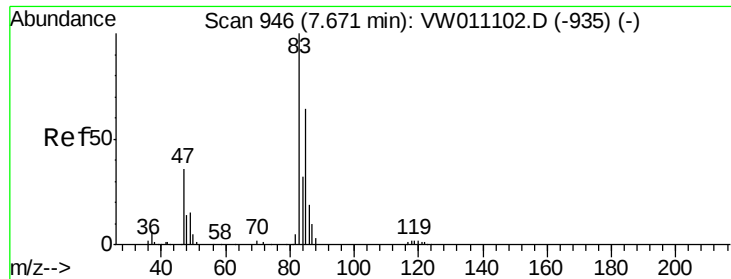


#23

Bromochloromethane
Concen: 28.192 ug/L
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011105.D
Acq: 02 Jul 2019 12:24

Tgt Ion: 128 Resp: 62197
Ion Ratio Lower Upper
128 100
49 225.5 153.8 285.6
130 130.8 86.4 160.4
51 69.6 56.2 84.4

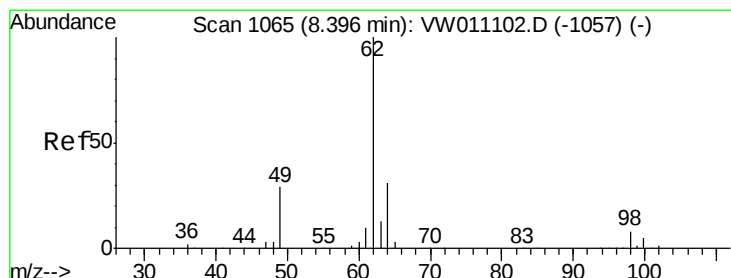
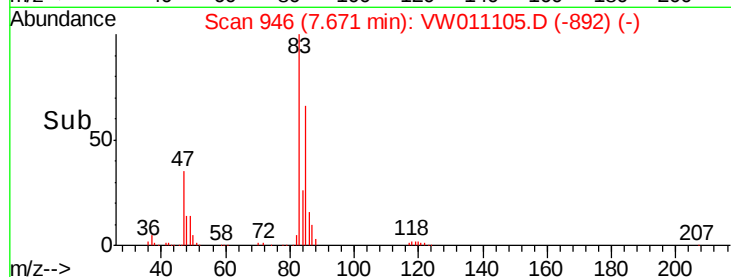
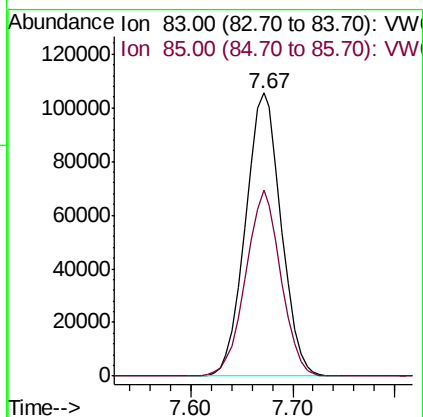
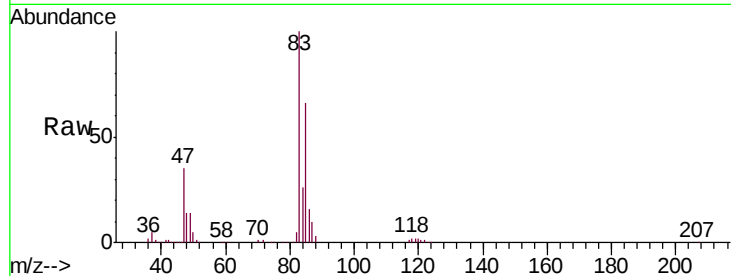




#25
Chloroform
Concen: 27.407 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011105.D
Acq: 02 Jul 2019 12:24

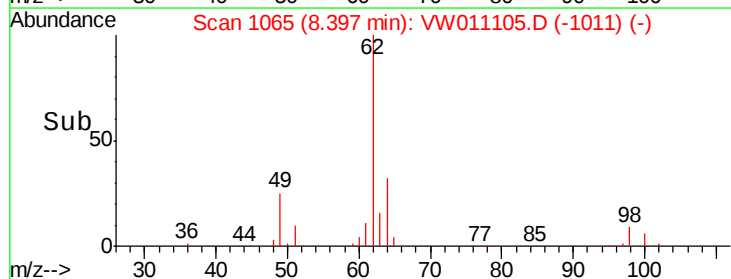
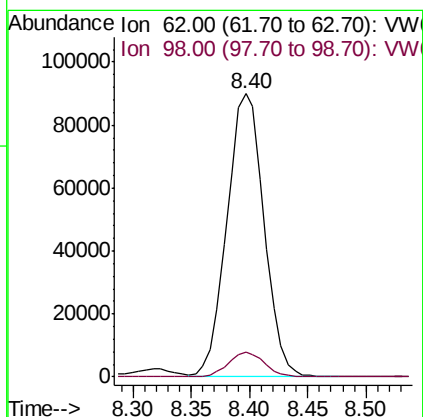
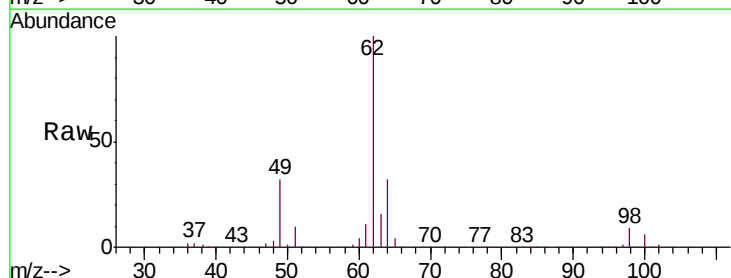
Instrument :
MSVOA_W
ClientSampleId :
VICV01

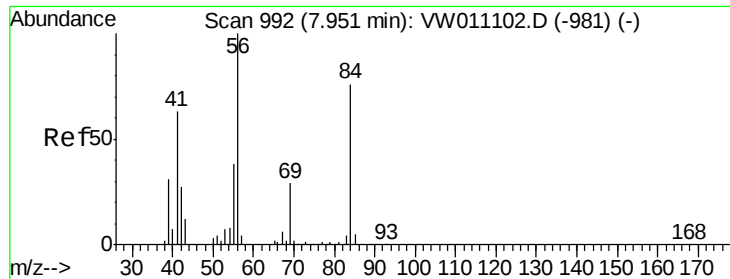
Tgt Ion: 83 Resp: 255989
Ion Ratio Lower Upper
83 100
85 65.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 27.902 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011105.D
Acq: 02 Jul 2019 12:24

Tgt Ion: 62 Resp: 199219
Ion Ratio Lower Upper
62 100
98 8.6 6.6 10.0

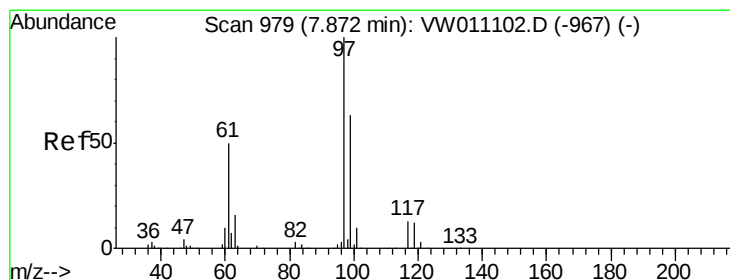
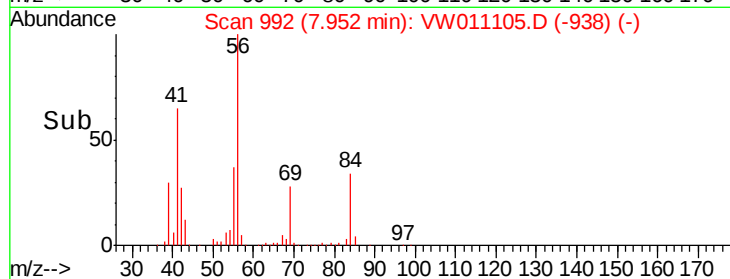
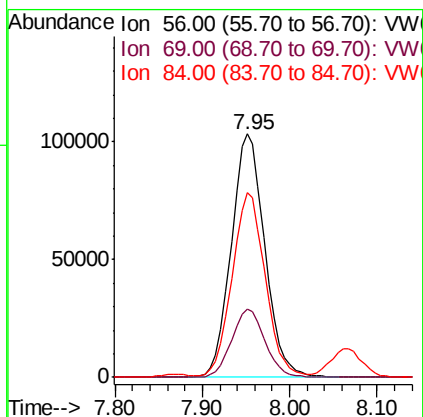
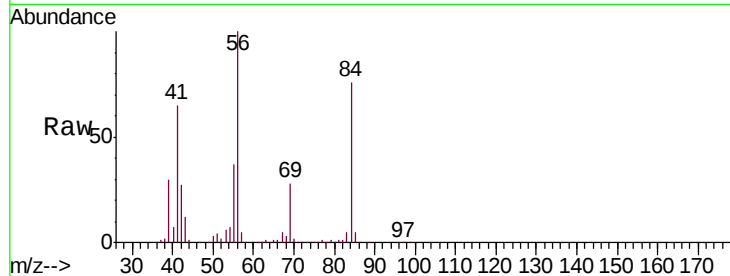




#30
Cyclohexane
Concen: 27.096 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011105.D
Acq: 02 Jul 2019 12:24

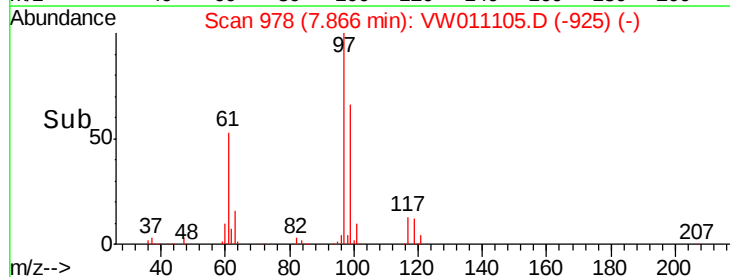
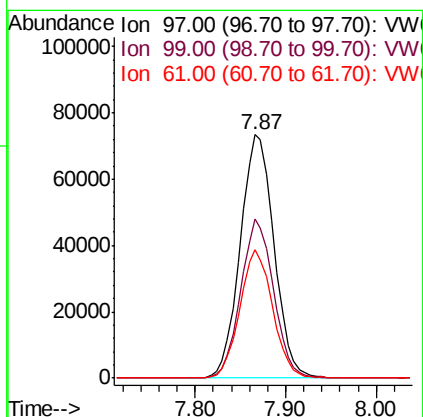
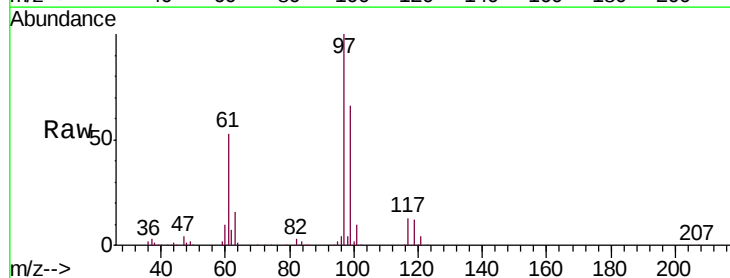
Instrument :
MSVOA_W
ClientSampleId :
VICV01

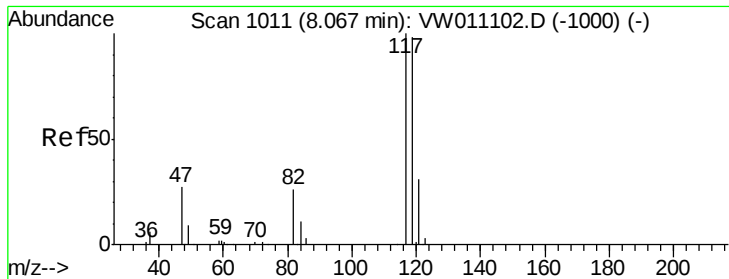
Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.1	22.5	33.7
84	75.1	60.9	91.3



#31
1,1,1-Trichloroethane
Concen: 27.259 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011105.D
Acq: 02 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.6	75.8
61	51.2	40.9	61.3





#32

Carbon tetrachloride

Concen: 27.186 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

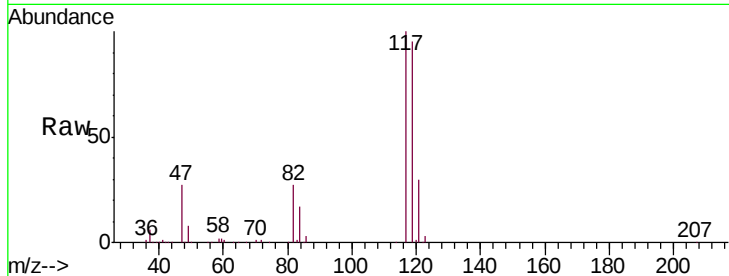
VICV01

Tgt Ion:117 Resp: 177049

Ion Ratio Lower Upper

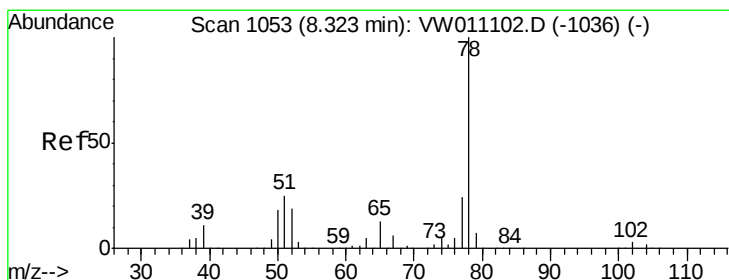
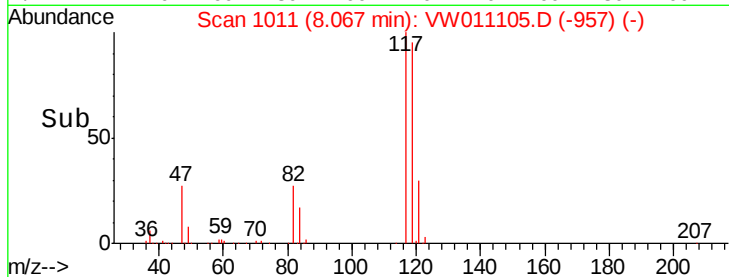
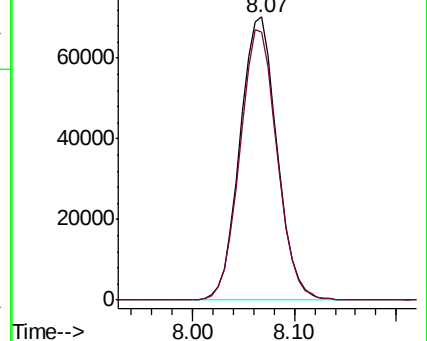
117 100

119 95.9 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.648 ug/L

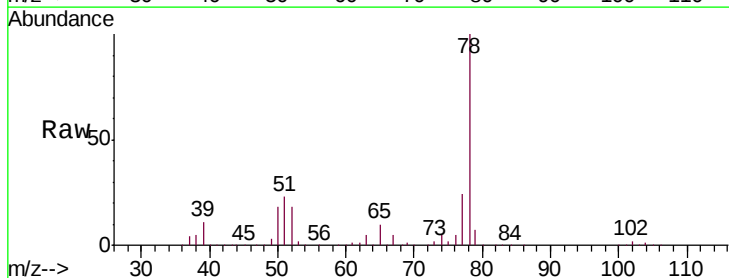
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

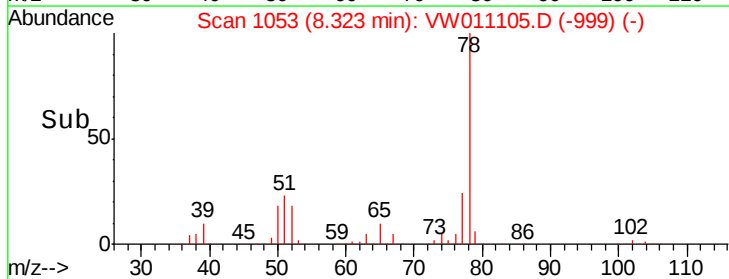
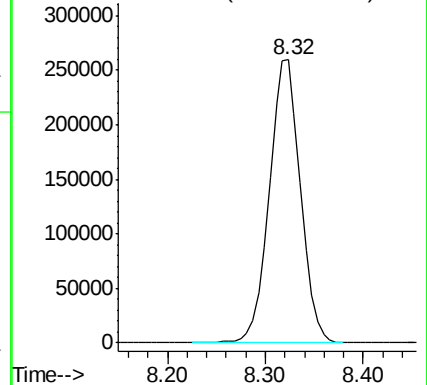
Lab File: VW011105.D

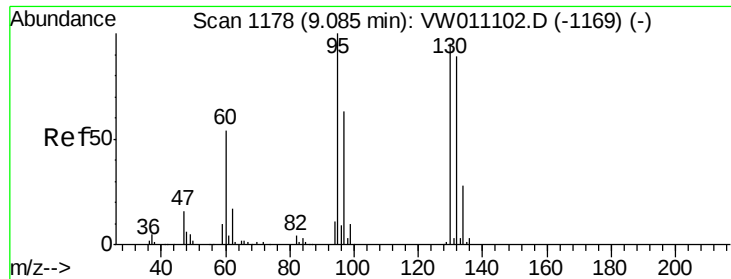
Acq: 02 Jul 2019 12:24

Tgt Ion: 78 Resp: 578140



Abundance Ion 78.00 (77.70 to 78.70): VW

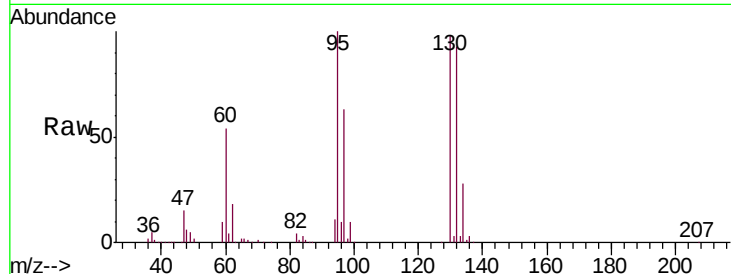




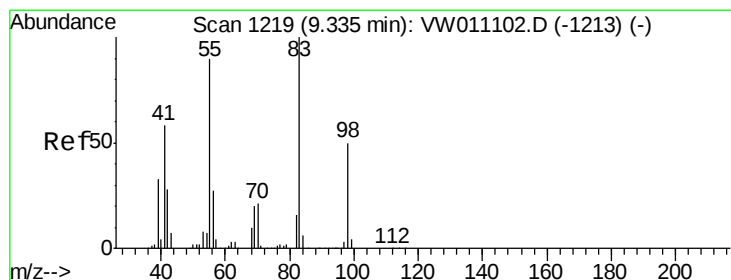
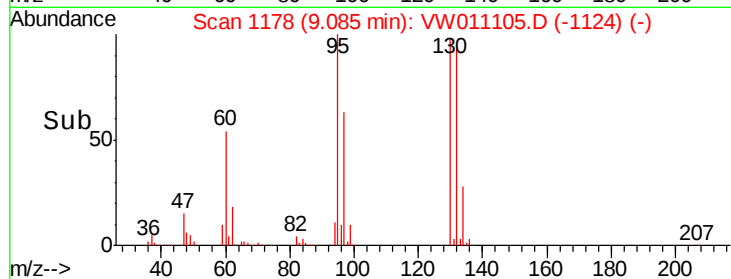
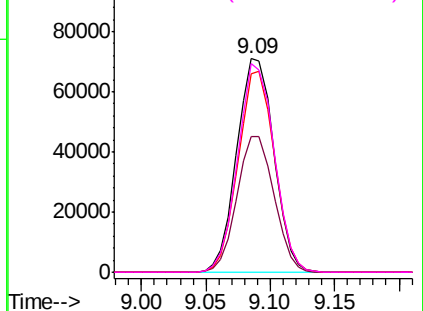
#35
 Trichloroethene
 Concen: 27.027 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW011105.D
 Acq: 02 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampled :
 VICV01

Tgt Ion:	95	Resp:	142617
Ion	Ratio	Lower	Upper
95	100		
97	63.5	45.4	84.2
132	92.5	65.0	120.8
130	95.6	67.8	126.0

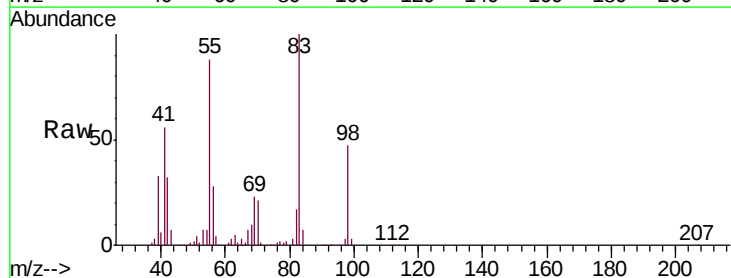


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

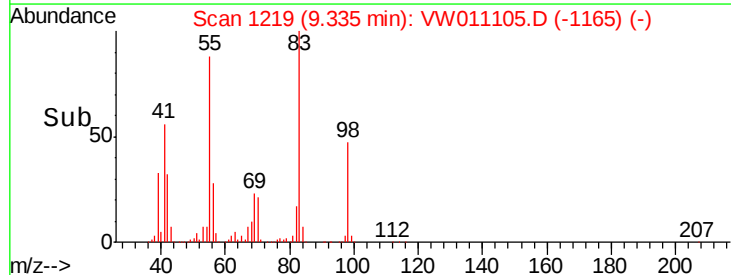
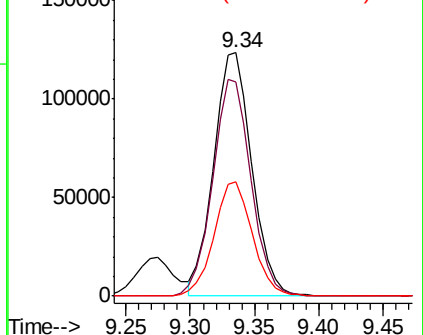


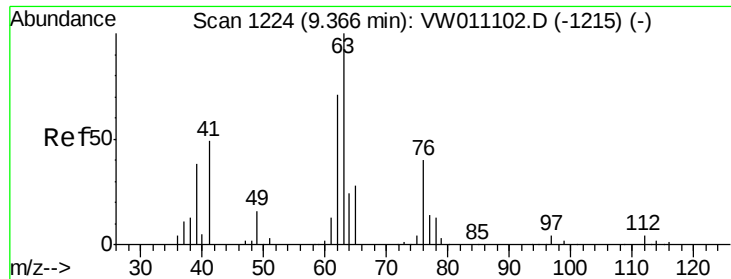
#36
 Methylcyclohexane
 Concen: 26.949 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW011105.D
 Acq: 02 Jul 2019 12:24

Tgt Ion:	83	Resp:	255915
Ion	Ratio	Lower	Upper
83	100		
55	89.7	72.2	108.4
98	47.3	38.2	57.4



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

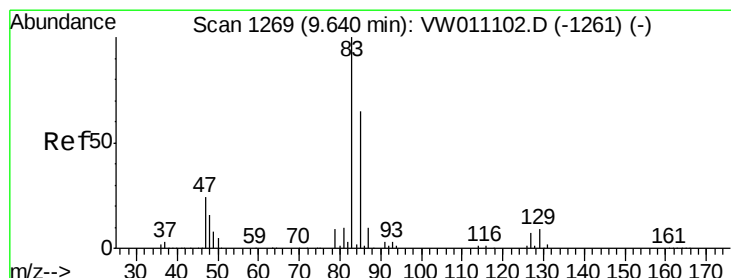
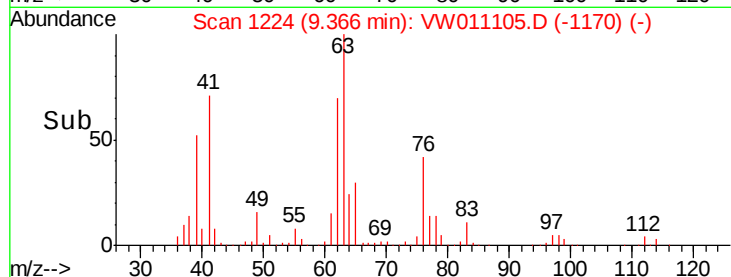
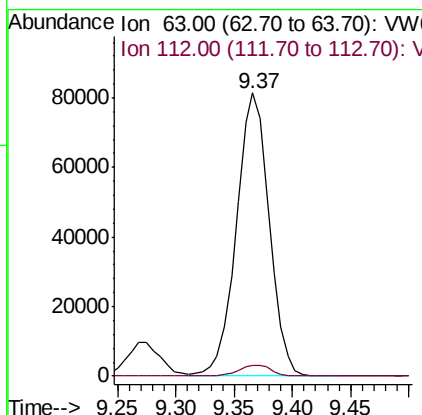
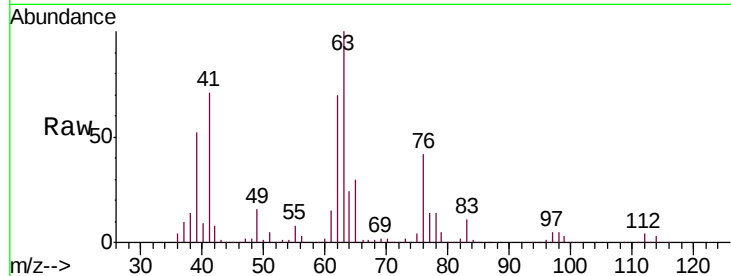




#40
 1,2-Dichloropropane
 Concen: 28.003 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011105.D
 Acq: 02 Jul 2019 12:24

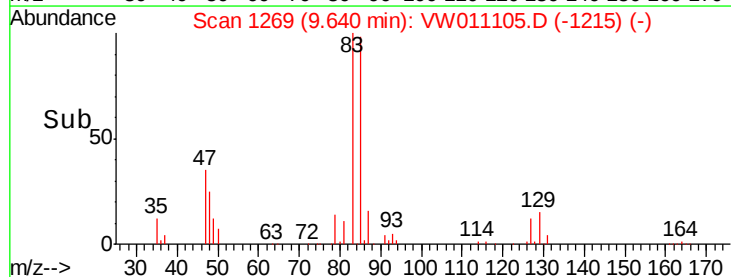
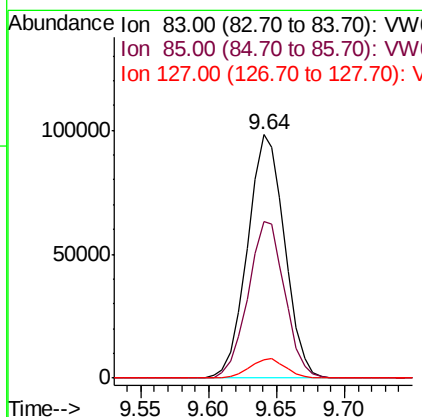
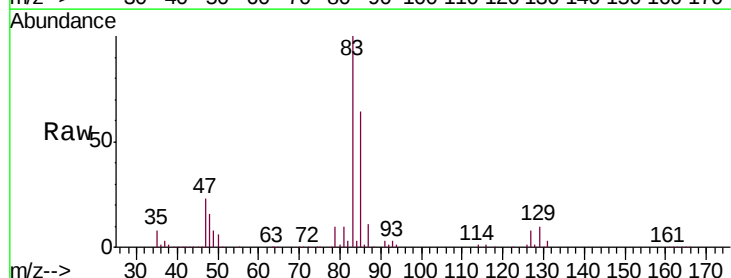
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV01

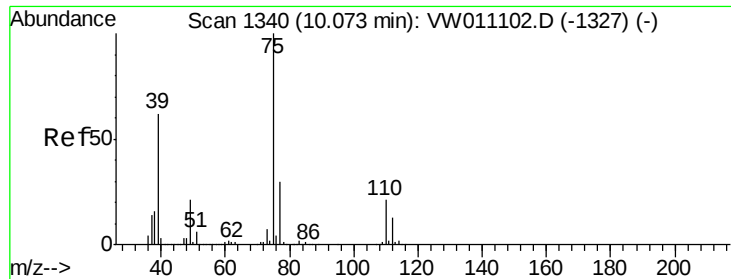
Tgt Ion: 63 Resp: 160459
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.6



#41
 Bromodichloromethane
 Concen: 28.436 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011105.D
 Acq: 02 Jul 2019 12:24

Tgt Ion: 83 Resp: 187855
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.5 84.5
 127 7.7 5.8 8.8





#42

cis-1,3-Dichloropropene

Concen: 28.713 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampled :

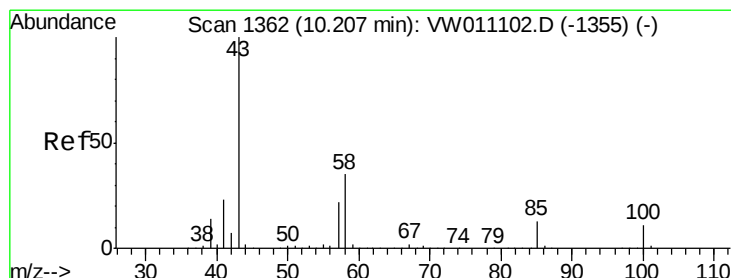
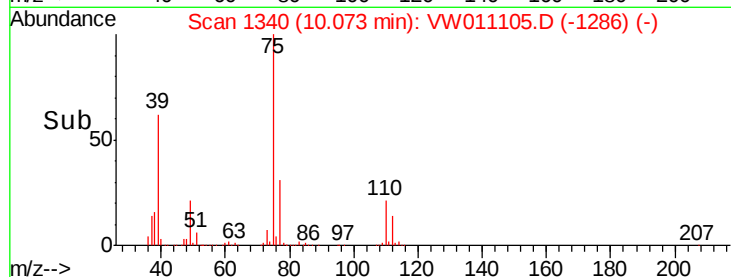
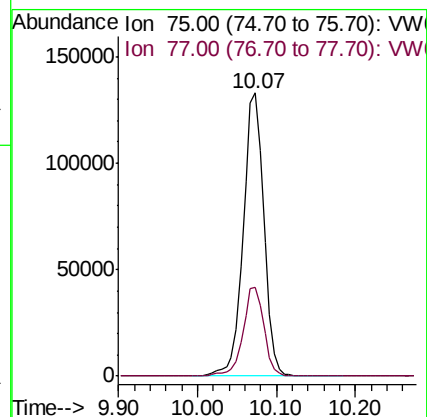
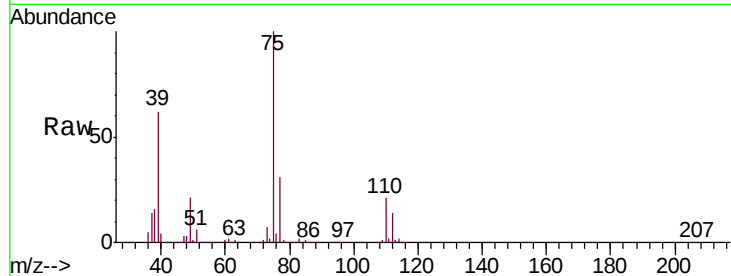
VICV01

Tgt Ion: 75 Resp: 242751

Ion Ratio Lower Upper

75 100

77 31.4 21.1 39.1



#43

4-Methyl-2-pentanone

Concen: 57.199 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

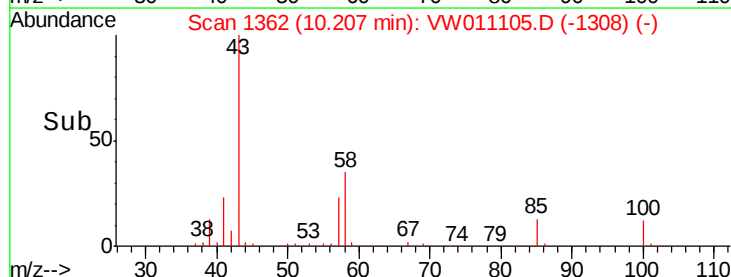
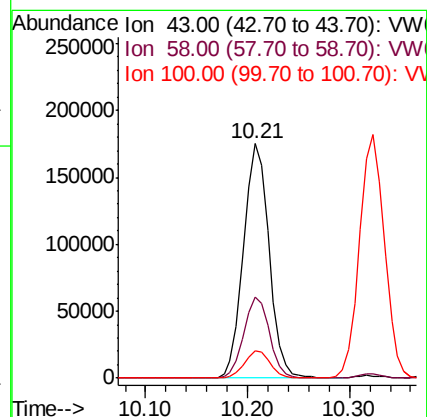
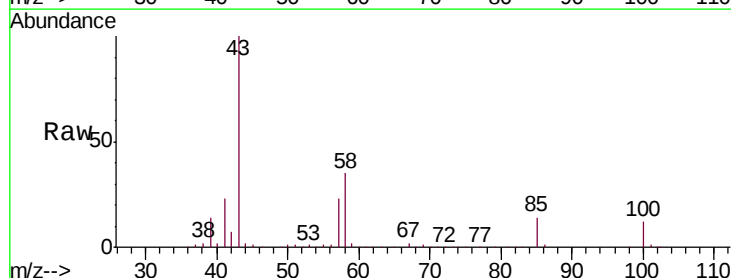
Tgt Ion: 43 Resp: 303827

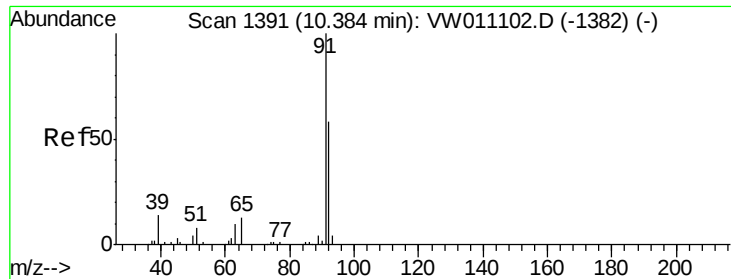
Ion Ratio Lower Upper

43 100

58 34.8 28.1 42.1

100 11.8 9.3 13.9





#44

Toluene

Concen: 27.774 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

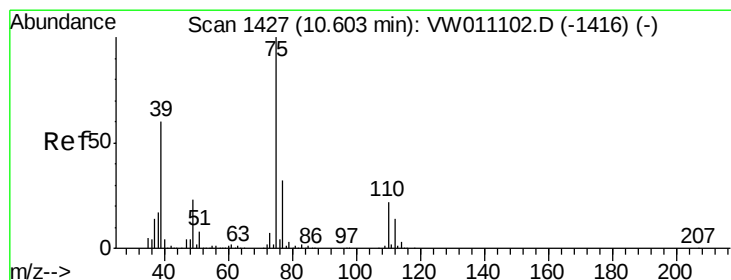
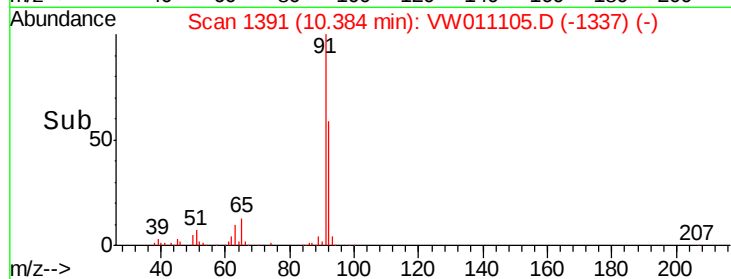
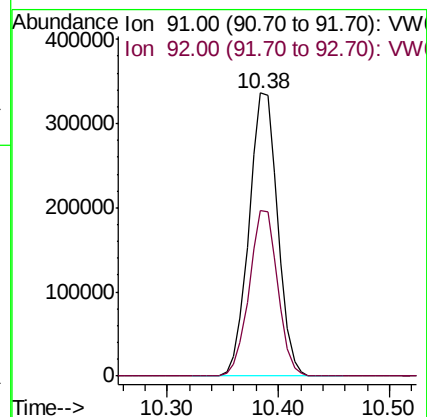
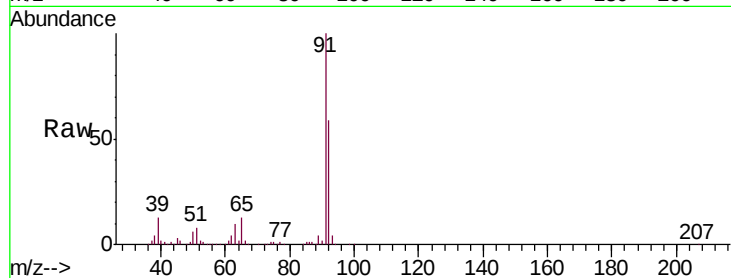
VICV01

Tgt Ion: 91 Resp: 601132

Ion Ratio Lower Upper

91 100

92 58.6 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 28.854 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011105.D

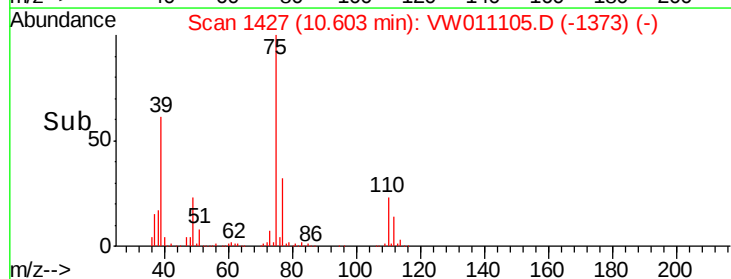
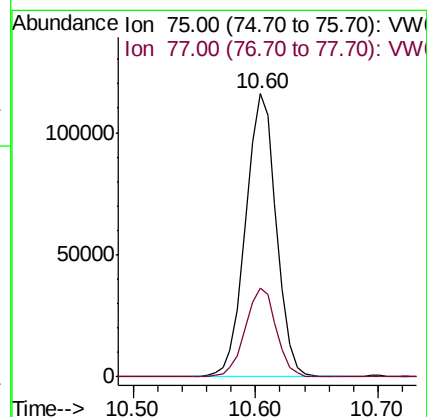
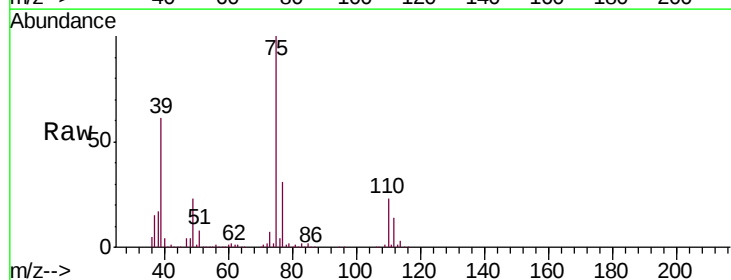
Acq: 02 Jul 2019 12:24

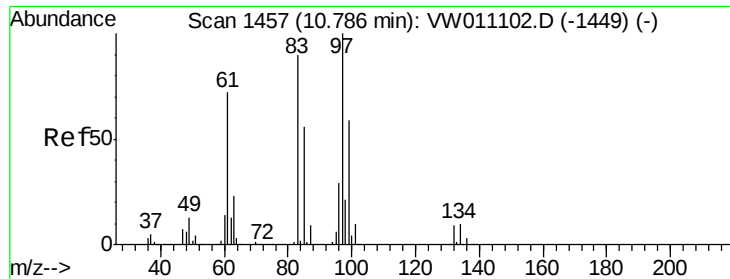
Tgt Ion: 75 Resp: 201848

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5





#46

1,1,2-Trichloroethane

Concen: 28.009 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VICV01

Tgt Ion: 97 Resp: 111140

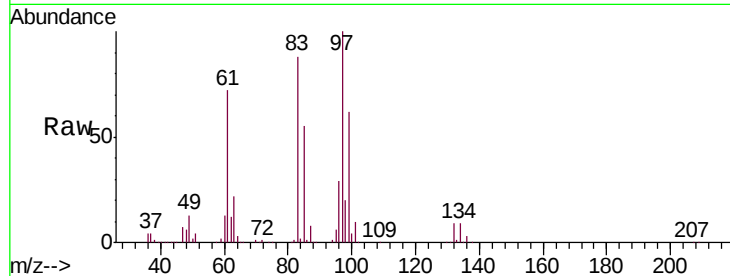
Ion Ratio Lower Upper

97 100

83 88.0 63.1 117.3

85 54.7 39.0 72.4

99 61.8 41.5 77.1

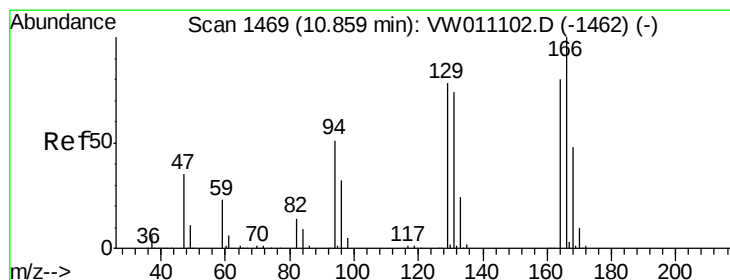
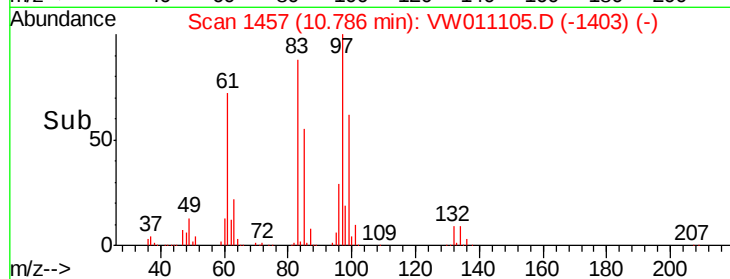
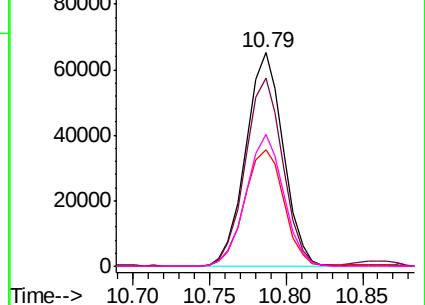


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 26.654 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Tgt Ion: 164 Resp: 106298

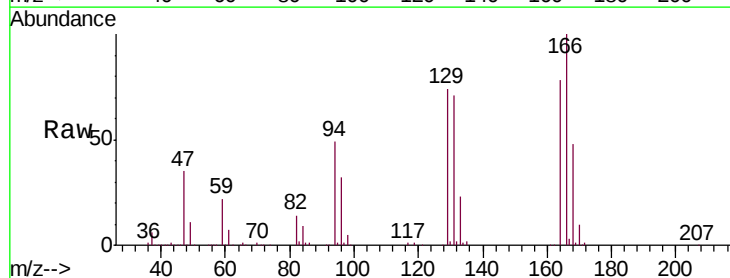
Ion Ratio Lower Upper

164 100

129 95.2 68.5 127.1

131 91.8 64.8 120.4

166 128.7 87.9 163.3

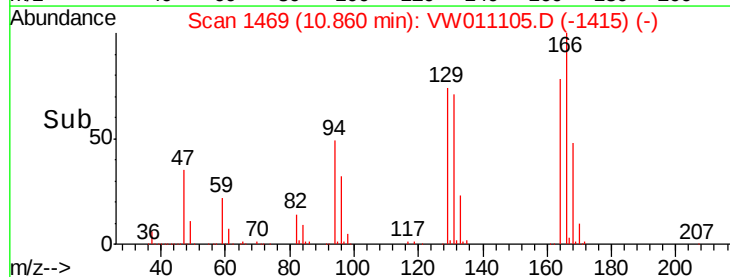
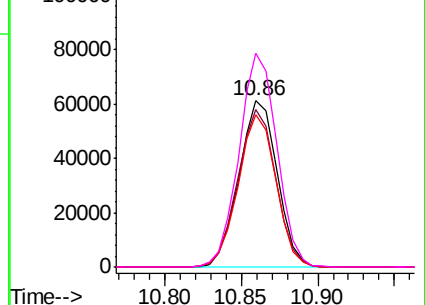


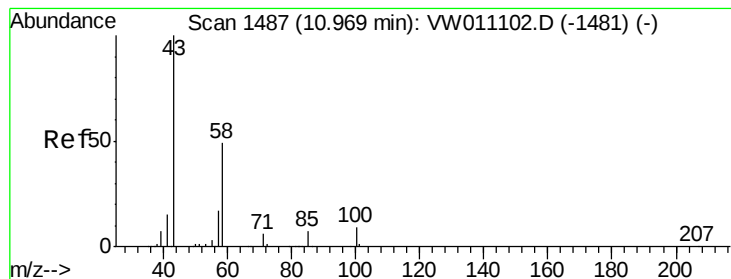
Abundance Ion 164.00 (163.70 to 164.70): V

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: 55.848 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VICV01

Tgt Ion: 43 Resp: 215928

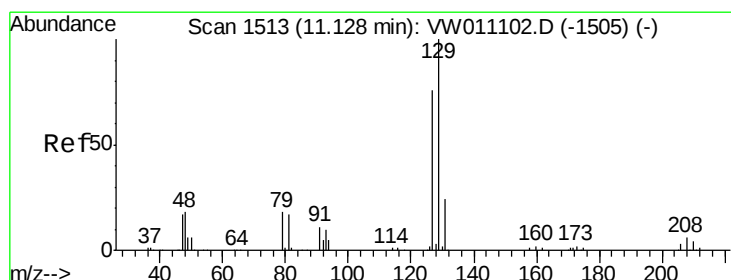
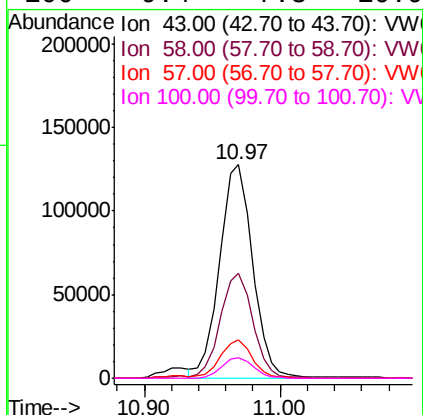
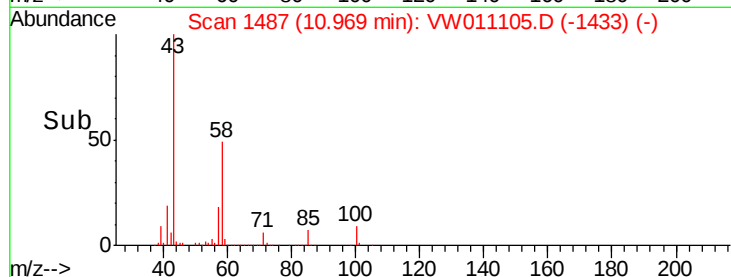
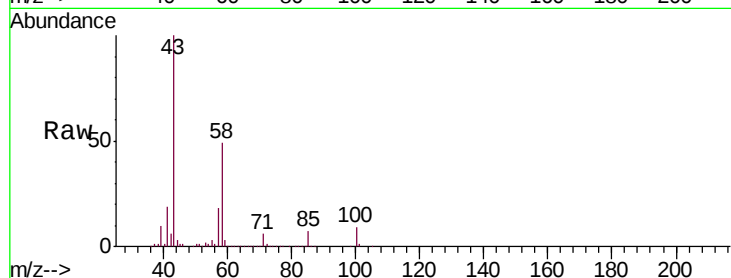
Ion Ratio Lower Upper

43 100

58 48.7 38.4 57.6

57 17.4 13.3 19.9

100 9.4 7.3 10.9



#50

Dibromochloromethane

Concen: 28.842 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011105.D

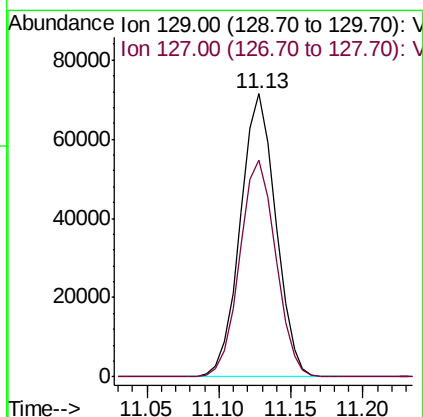
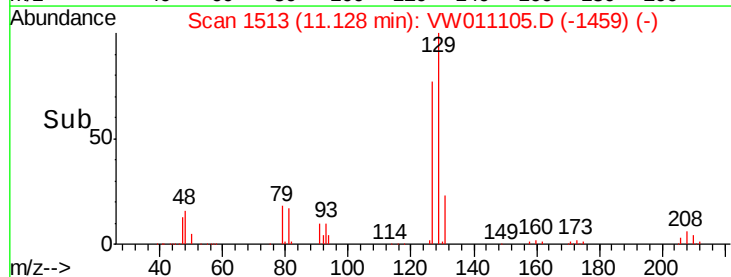
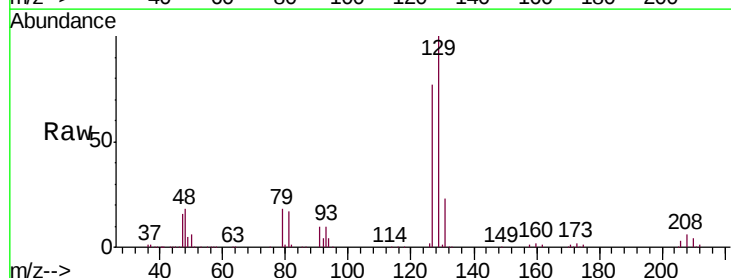
Acq: 02 Jul 2019 12:24

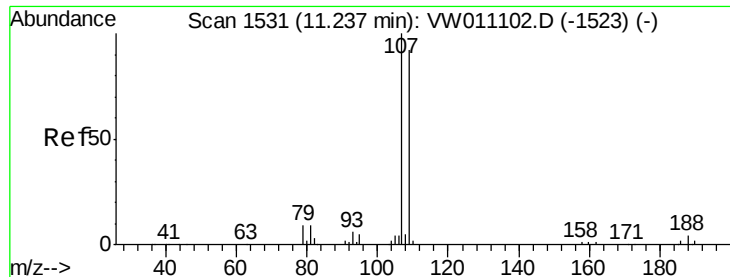
Tgt Ion: 129 Resp: 121872

Ion Ratio Lower Upper

129 100

127 76.5 53.3 99.1

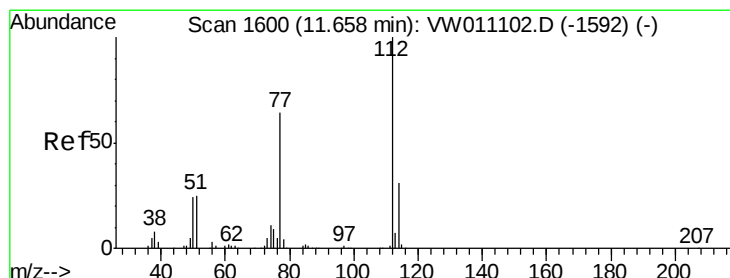
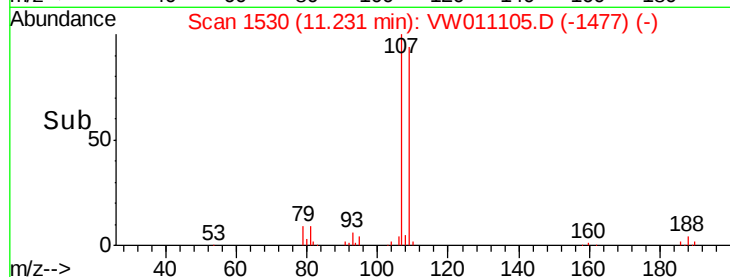
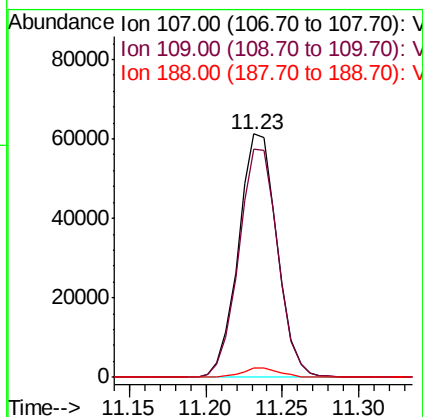
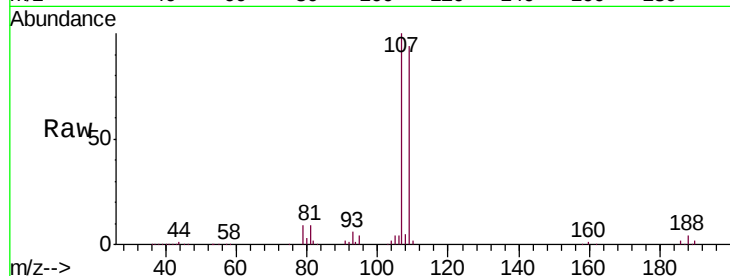




#51
1,2-Dibromoethane
Concen: 28.002 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW011105.D
Acq: 02 Jul 2019 12:24

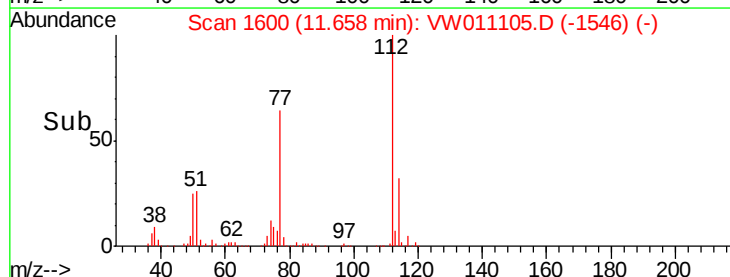
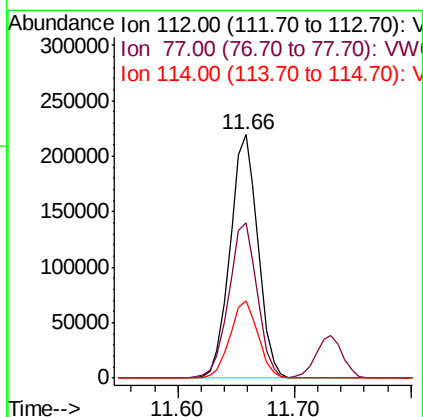
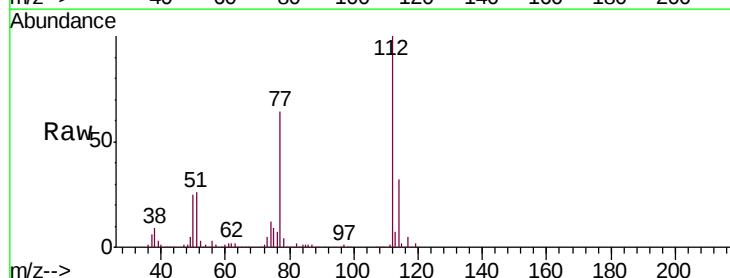
Instrument :
MSVOA_W
ClientSampleId :
VICV01

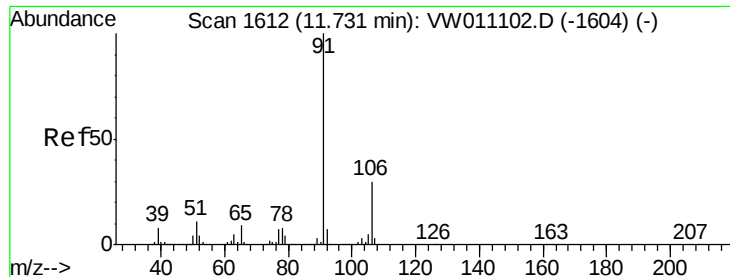
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.8	64.3	119.3
188	3.9	3.2	4.8



#52
Chlorobenzene
Concen: 27.508 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011105.D
Acq: 02 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
112	100		
77	63.9	51.2	76.8
114	31.9	22.0	40.8





#53

Ethylbenzene

Concen: 27.547 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

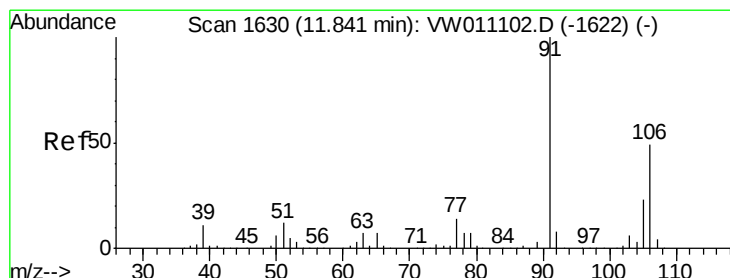
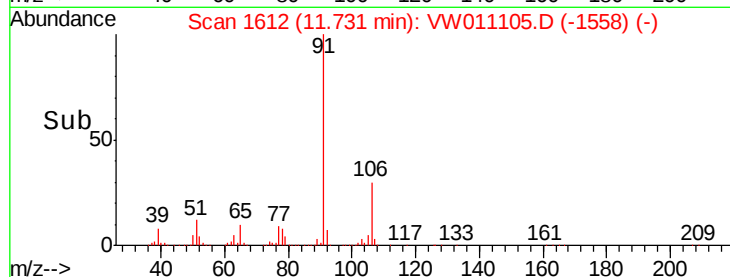
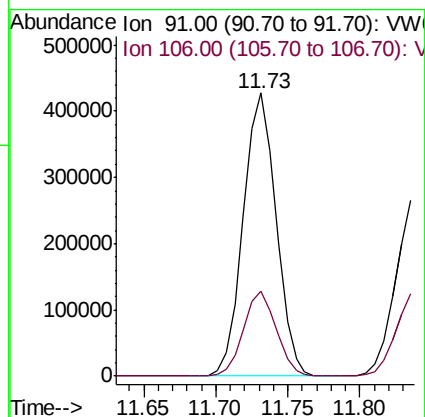
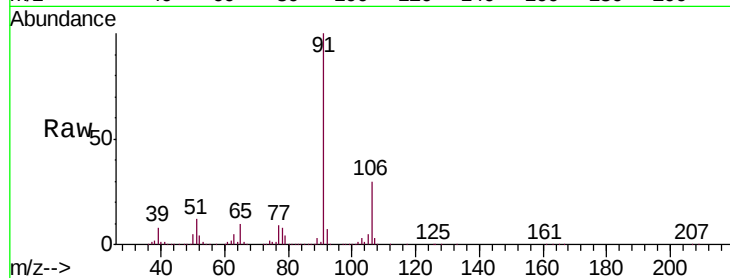
VICV01

Tgt Ion: 91 Resp: 676295

Ion Ratio Lower Upper

91 100

106 30.0 20.6 38.4



#54

m,p-Xylene

Concen: 27.461 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011105.D

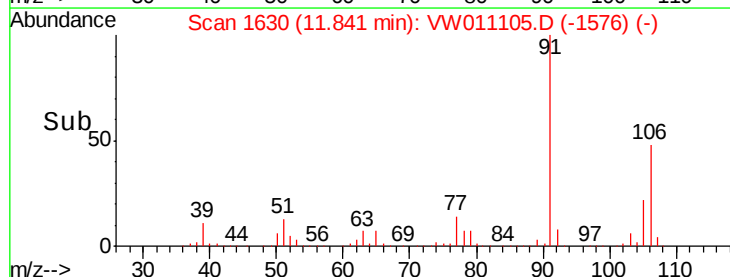
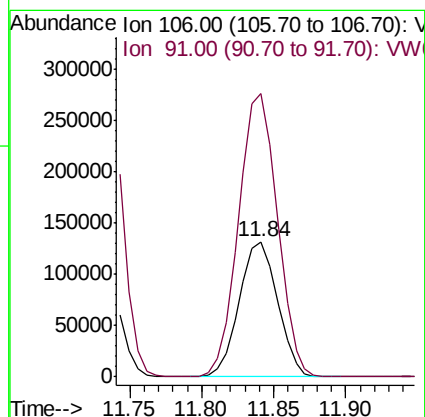
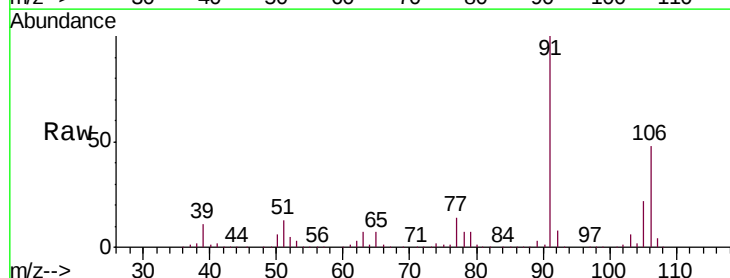
Acq: 02 Jul 2019 12:24

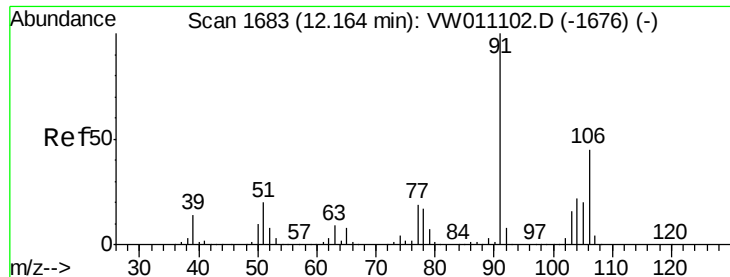
Tgt Ion: 106 Resp: 244776

Ion Ratio Lower Upper

106 100

91 209.8 142.6 264.8

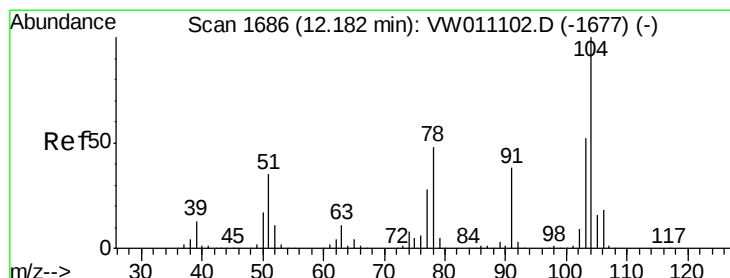
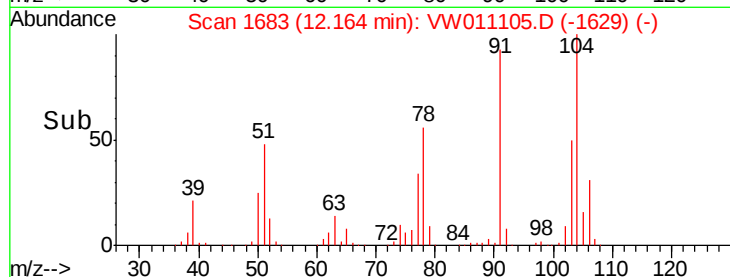
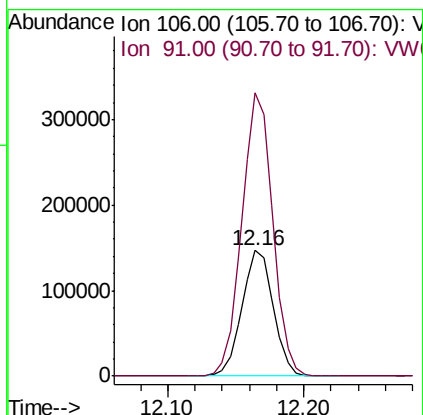
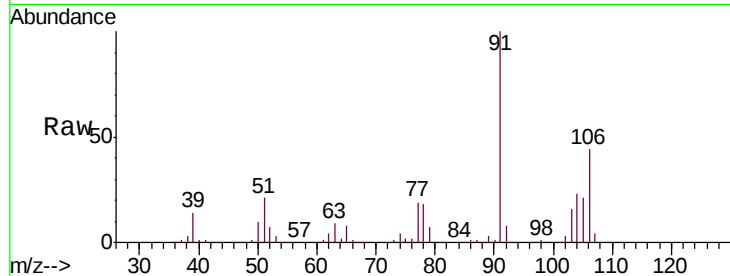




#55
o-xylene
Concen: 27.909 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011105.D
Acq: 02 Jul 2019 12:24

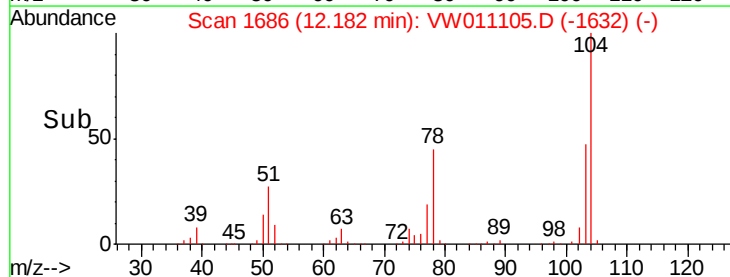
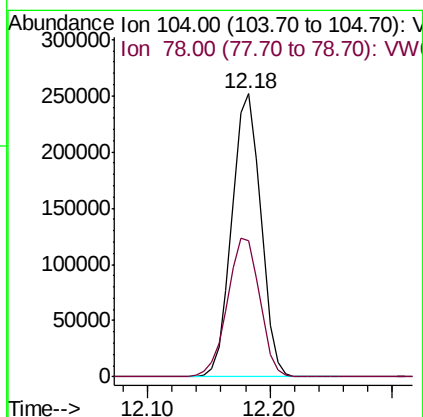
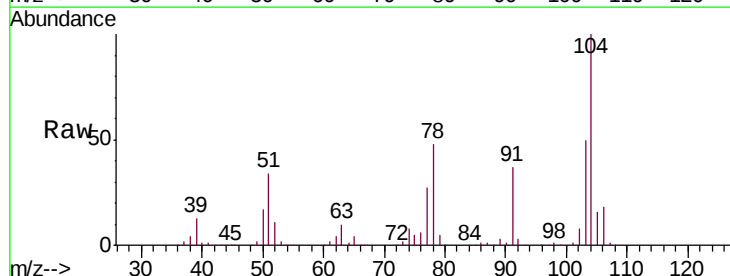
Instrument :
MSVOA_W
ClientSampled :
VICV01

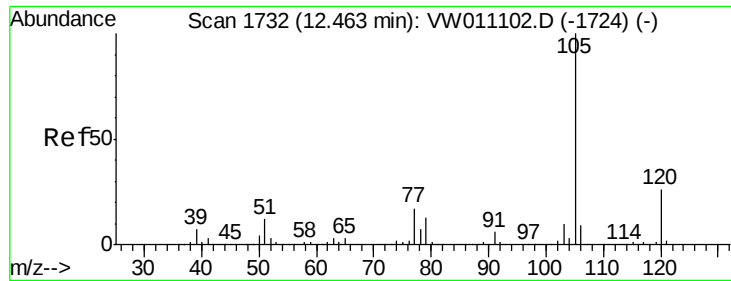
Tgt Ion:106 Resp: 236650
Ion Ratio Lower Upper
106 100
91 224.9 154.6 287.2



#56
Styrene
Concen: 28.389 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011105.D
Acq: 02 Jul 2019 12:24

Tgt Ion:104 Resp: 412945
Ion Ratio Lower Upper
104 100
78 48.3 33.7 62.7





#57

Isopropylbenzene

Concen: 27.799 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampled :

VICV01

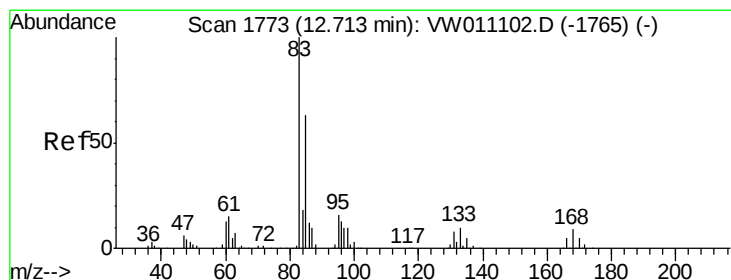
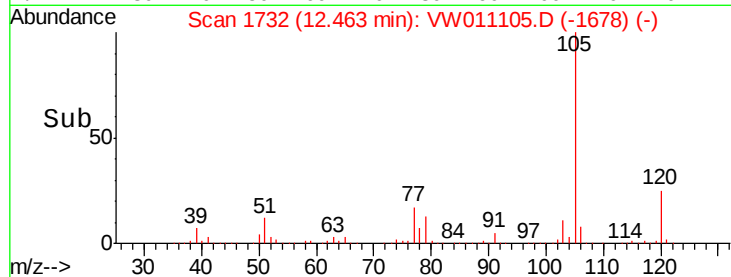
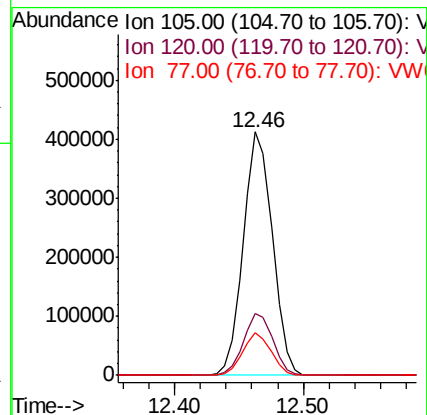
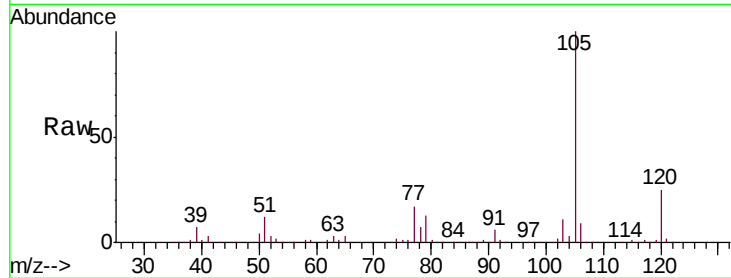
Tgt Ion: 105 Resp: 643450

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

77 17.0 13.5 20.3



#58

1,1,2,2-Tetrachloroethane

Concen: 28.374 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

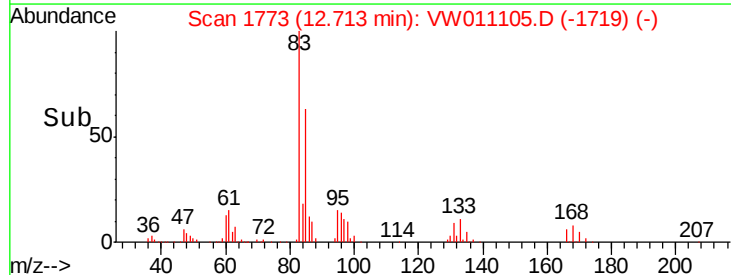
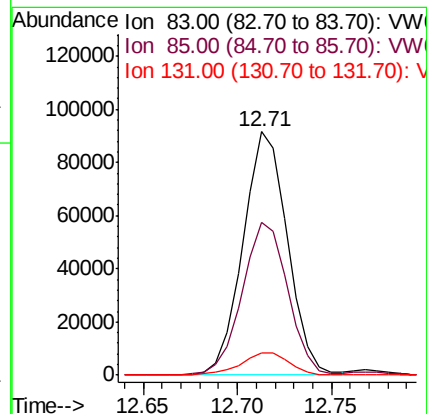
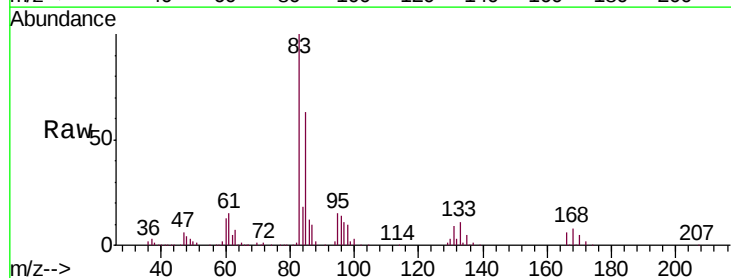
Tgt Ion: 83 Resp: 149784

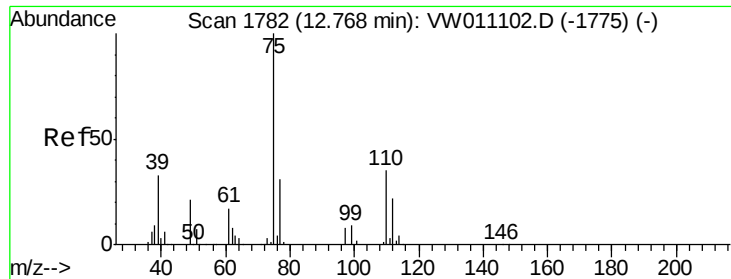
Ion Ratio Lower Upper

83 100

85 62.7 44.0 81.6

131 8.9 6.7 10.1





#59

1,2,3-Trichloropropane

Concen: 28.115 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

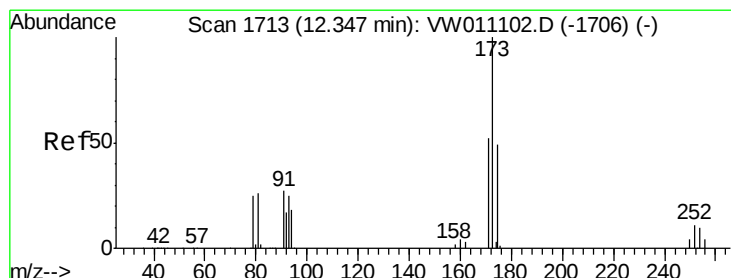
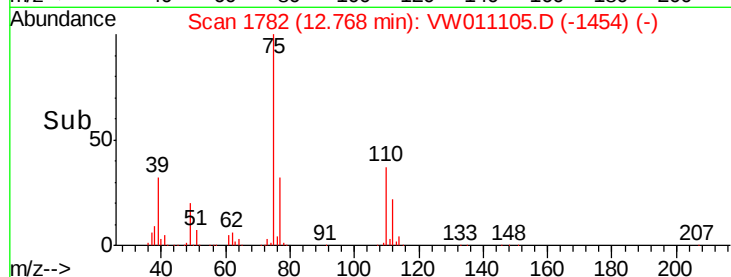
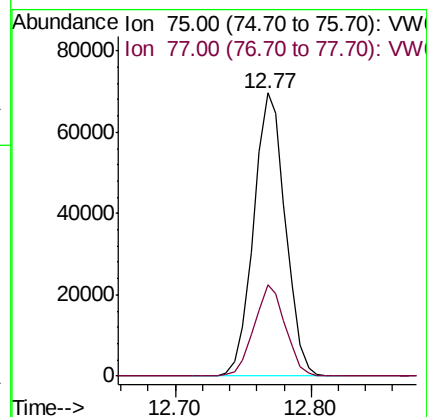
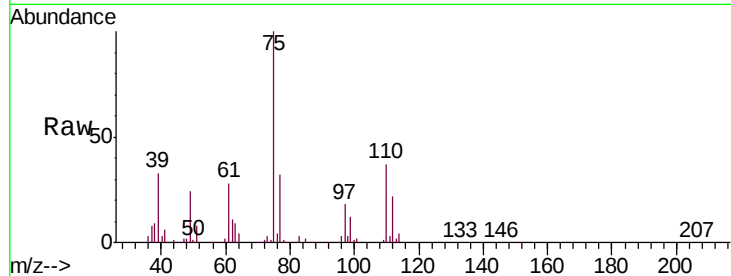
VICV01

Tgt Ion: 75 Resp: 113974

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#62

Bromoform

Concen: 28.927 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

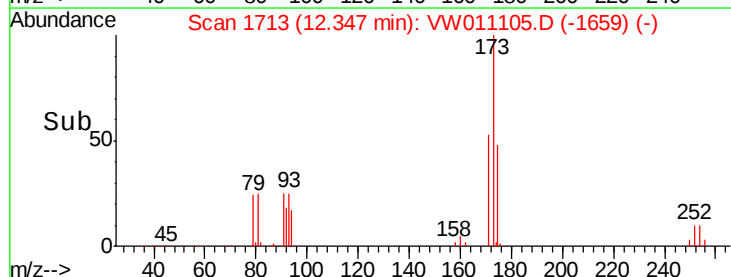
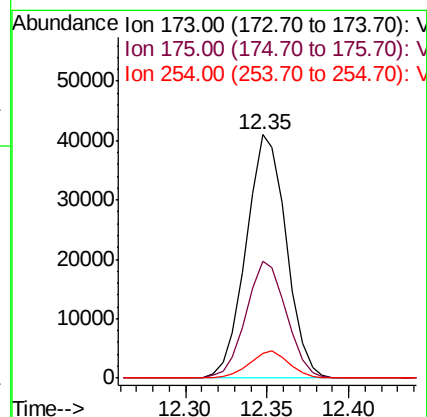
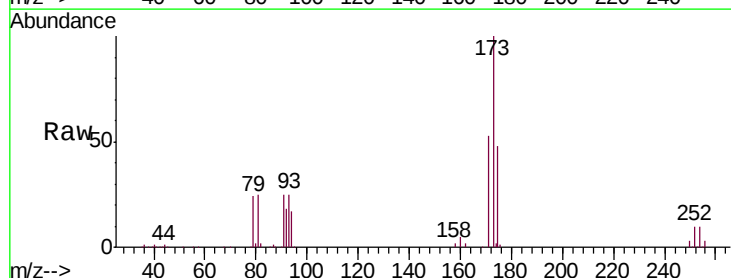
Tgt Ion: 173 Resp: 70299

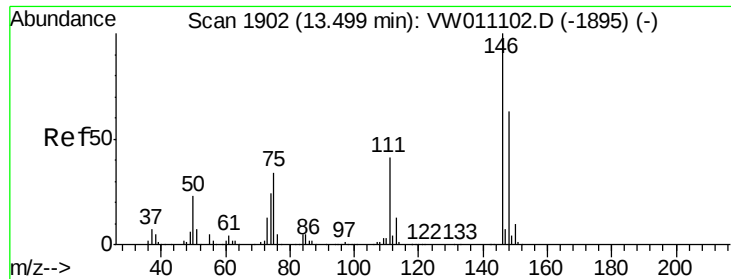
Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.6

254 10.8 8.5 12.7

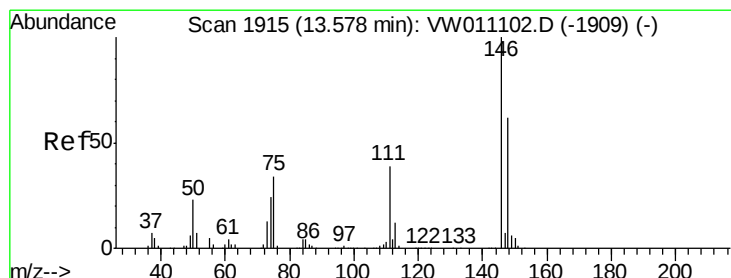
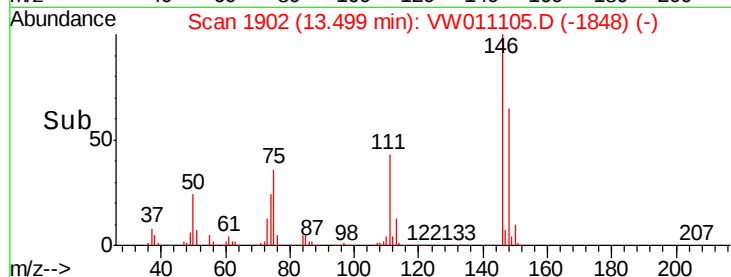
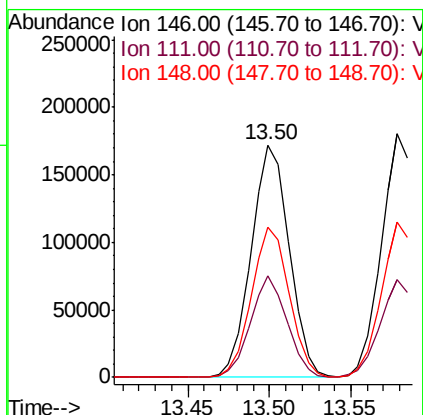
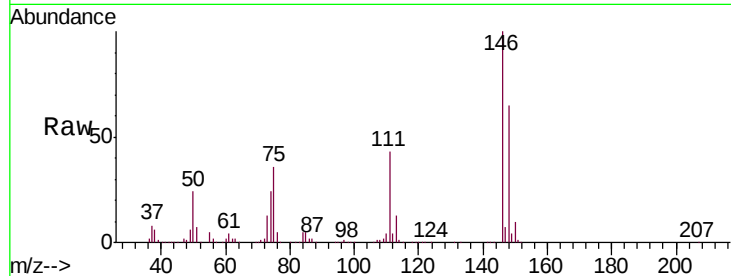




#63
 1,3-Dichlorobenzene
 Concen: 27.760 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011105.D
 Acq: 02 Jul 2019 12:24

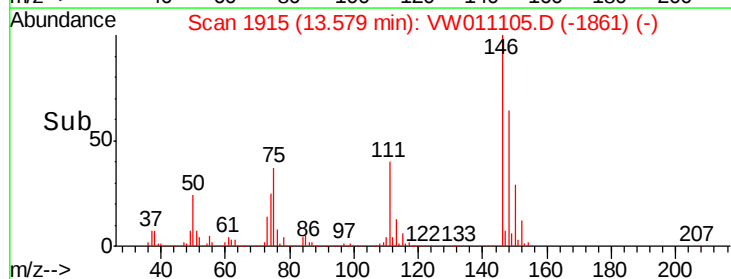
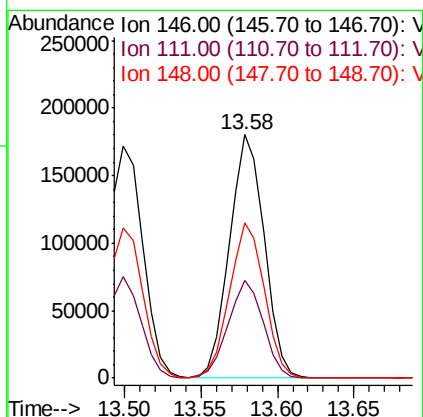
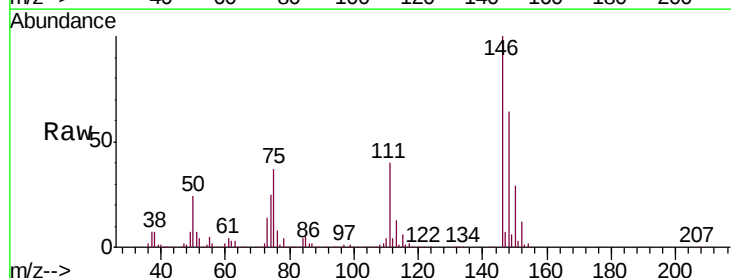
Instrument :
 MSVOA_W
 ClientSampled :
 VICV01

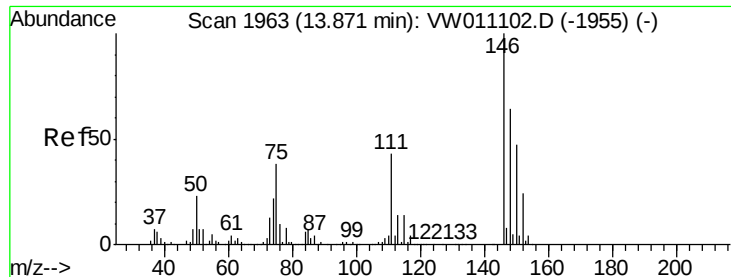
Tgt Ion:146 Resp: 278492
 Ion Ratio Lower Upper
 146 100
 111 43.4 29.0 53.8
 148 64.7 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 27.682 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011105.D
 Acq: 02 Jul 2019 12:24

Tgt Ion:146 Resp: 284296
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.5 51.1
 148 63.6 43.8 81.3

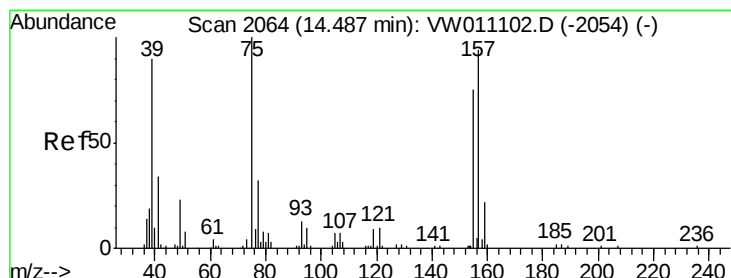
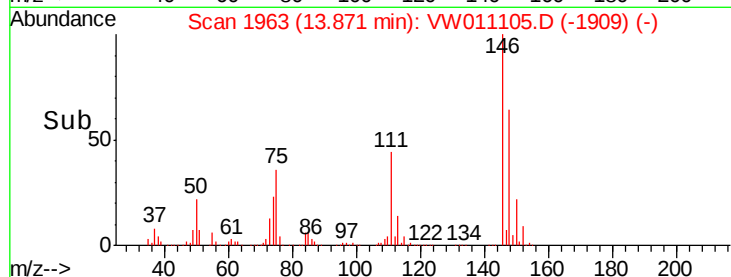
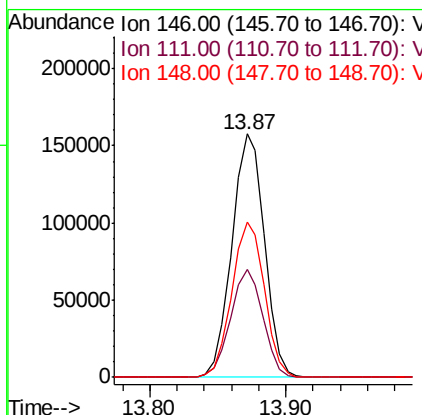
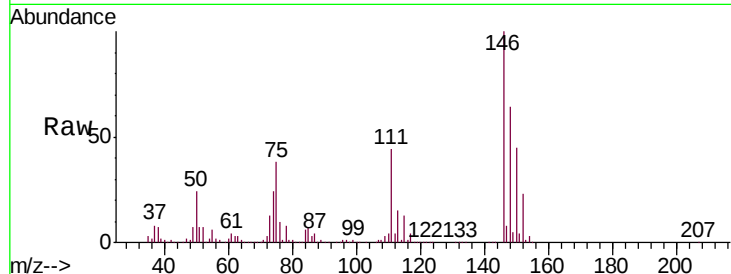




#65
 1,2-Dichlorobenzene
 Concen: 28.108 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011105.D
 Acq: 02 Jul 2019 12:24

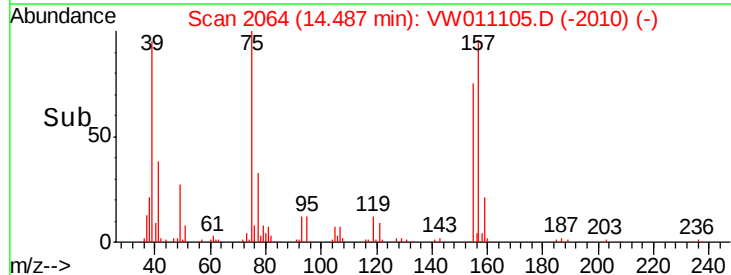
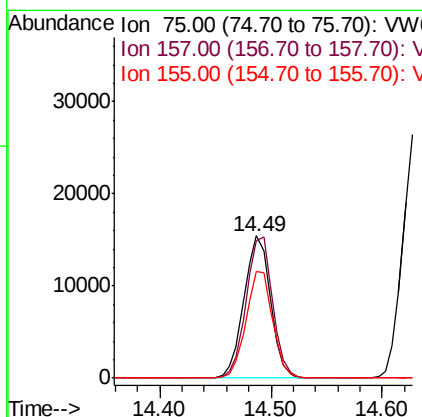
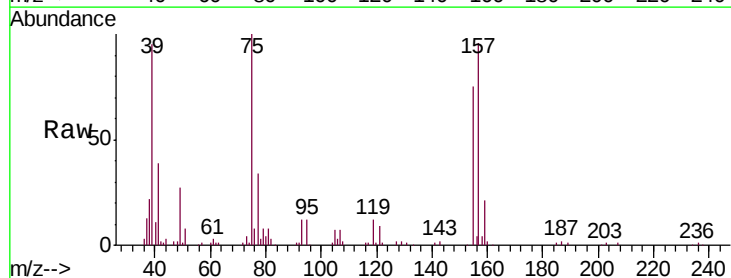
Instrument :
 MSVOA_W
 ClientSampled :
 VICV01

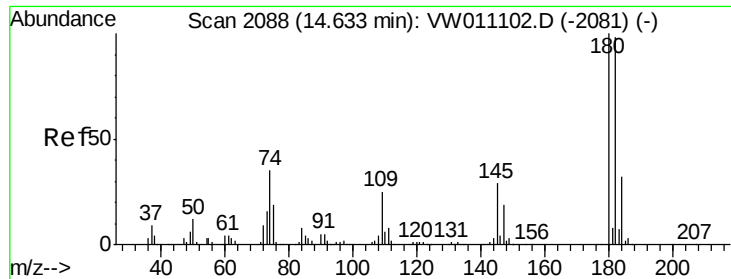
Tgt Ion: 146 Resp: 262482
 Ion Ratio Lower Upper
 146 100
 111 44.3 34.1 51.1
 148 64.0 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.090 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011105.D
 Acq: 02 Jul 2019 12:24

Tgt Ion: 75 Resp: 25754
 Ion Ratio Lower Upper
 75 100
 157 96.4 75.3 112.9
 155 75.1 60.2 90.2

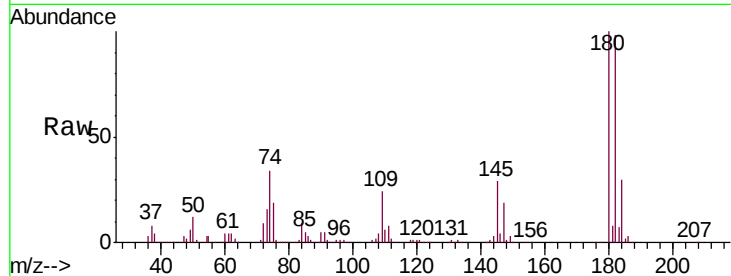




#67
 1,3,5-Trichlorobenzene
 Concen: 28.259 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW011105.D
 Acq: 02 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.0	115.4
184	30.2	24.3	36.5
145	29.7	24.2	36.2



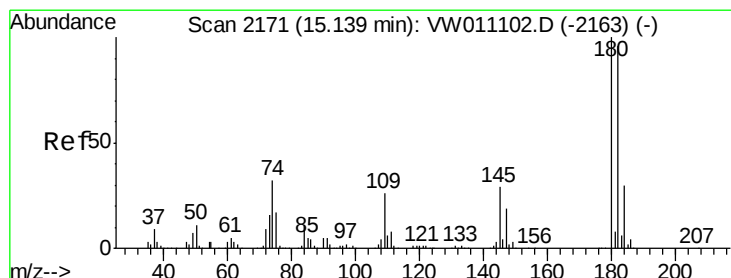
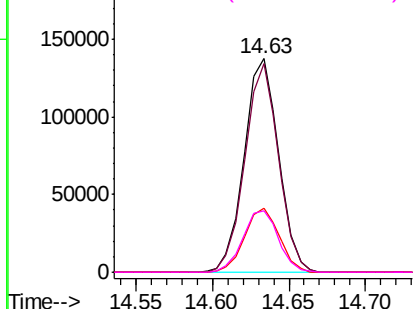
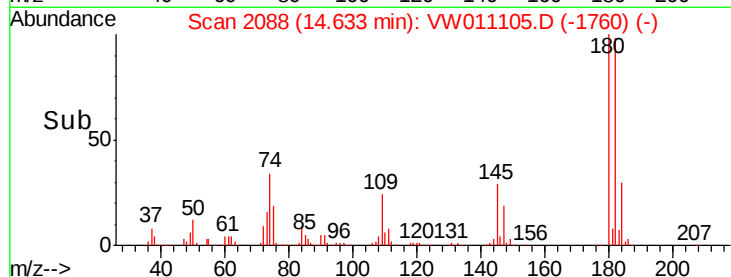
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

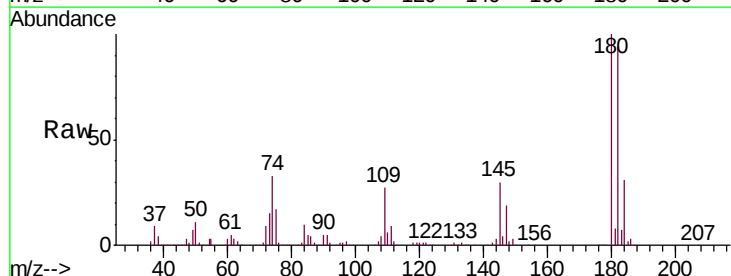
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.861 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW011105.D
 Acq: 02 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.0	115.6
145	30.7	24.5	36.7

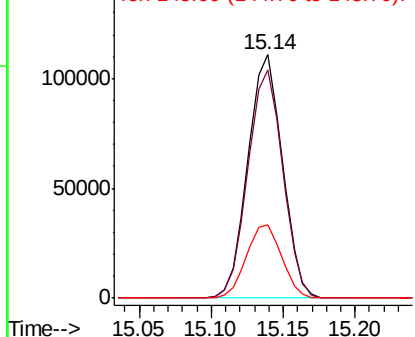
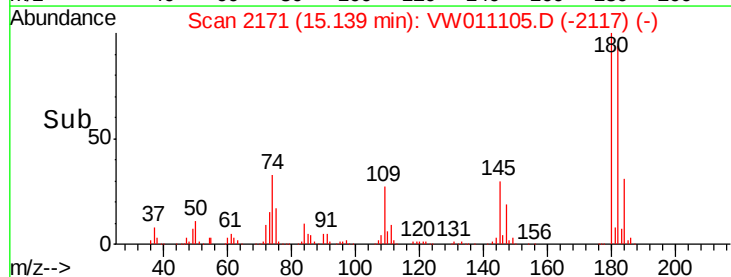


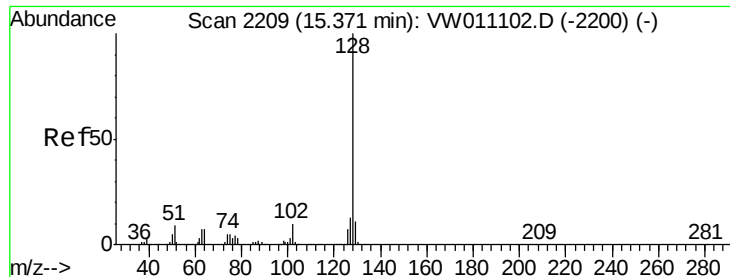
Abundance

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: 30.802 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VICV01

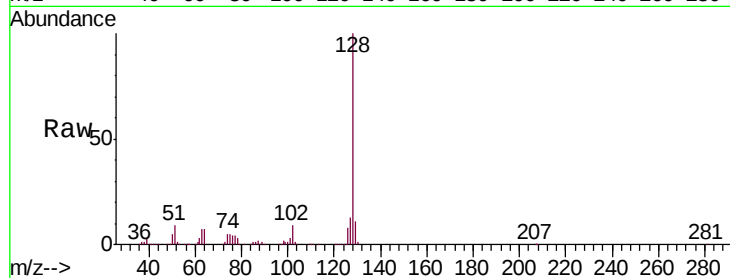
Tgt Ion:128 Resp: 410790

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

127 13.2 10.6 15.8

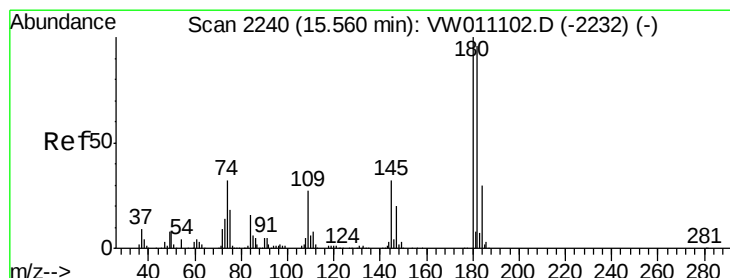
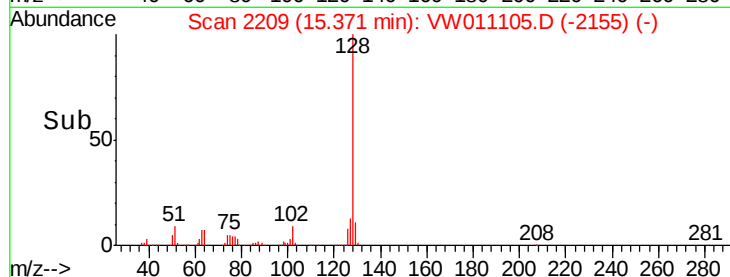
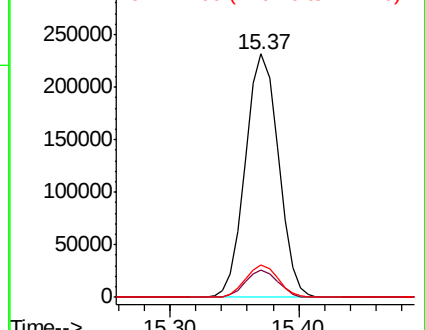


Abundance

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: 29.270 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011105.D

Acq: 02 Jul 2019 12:24

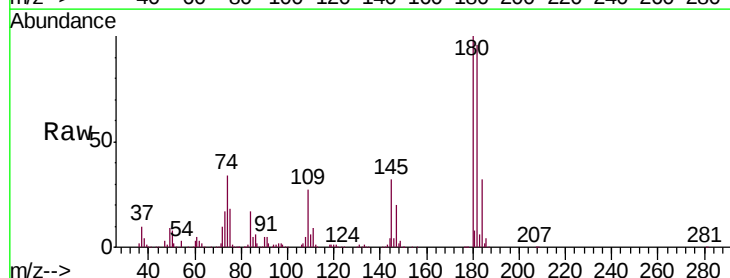
Tgt Ion:180 Resp: 170540

Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 32.3 25.5 38.3



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

