

Data File : VW011571.D
Acq On : 30 Jul 2019 11:57
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV04

Quant Time: Jul 31 02:57:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 30 12:12:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	364152	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	324793	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	154068	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	119337	23.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.08%
7) Chloroethane-d5	2.89	69	89136	24.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.52%
10) 1,1-Dichloroethene-d2	4.02	63	282221	24.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.04%
20) 2-Butanone-d5	7.07	46	113466	49.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.28%
24) Chloroform-d	7.65	84	226380	22.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.56%
26) 1,2-Dichloroethane-d4	8.31	65	137035	23.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.60%
29) Benzene-d6	8.27	84	461326	22.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.36%
33) 1,2-Dichloropropane-d6	9.27	67	150185	22.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.12%
37) Toluene-d8	10.32	98	415292	22.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.64%
38) trans-1,3-Dichloropropene-	10.58	79	66223	22.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.68%
39) 2-Hexanone-d5	10.92	63	76202	49.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	129616	23.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	139880	23.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	120958	29.638 ug/L	98
3) Chloromethane	2.21	50	139343	26.249 ug/L	99
5) Vinyl chloride	2.36	62	178294	26.324 ug/L	98
6) Bromomethane	2.78	94	88682	27.774 ug/L	100
8) Chloroethane	2.92	64	95858	27.061 ug/L	97
9) Trichlorofluoromethane	3.26	101	88217	25.569 ug/L	99
12) 1,1-Dichloroethene	4.04	96	136268	26.054 ug/L	98
13) Acetone	4.12	43	127339	51.496 ug/L	96
14) Carbon disulfide	4.39	76	454577	26.686 ug/L	99
15) Methyl Acetate	4.67	43	110928	27.437 ug/L	99
16) Methylene chloride	4.92	84	144725	25.467 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	237144	27.227 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	140972	26.088 ug/L	100
19) 1,1-Dichloroethane	6.21	63	283984	26.308 ug/L	99
21) 2-Butanone	7.17	43	167881	54.149 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	151529	26.804 ug/L	99
23) Bromochloromethane	7.51	128	62983	26.185 ug/L	98

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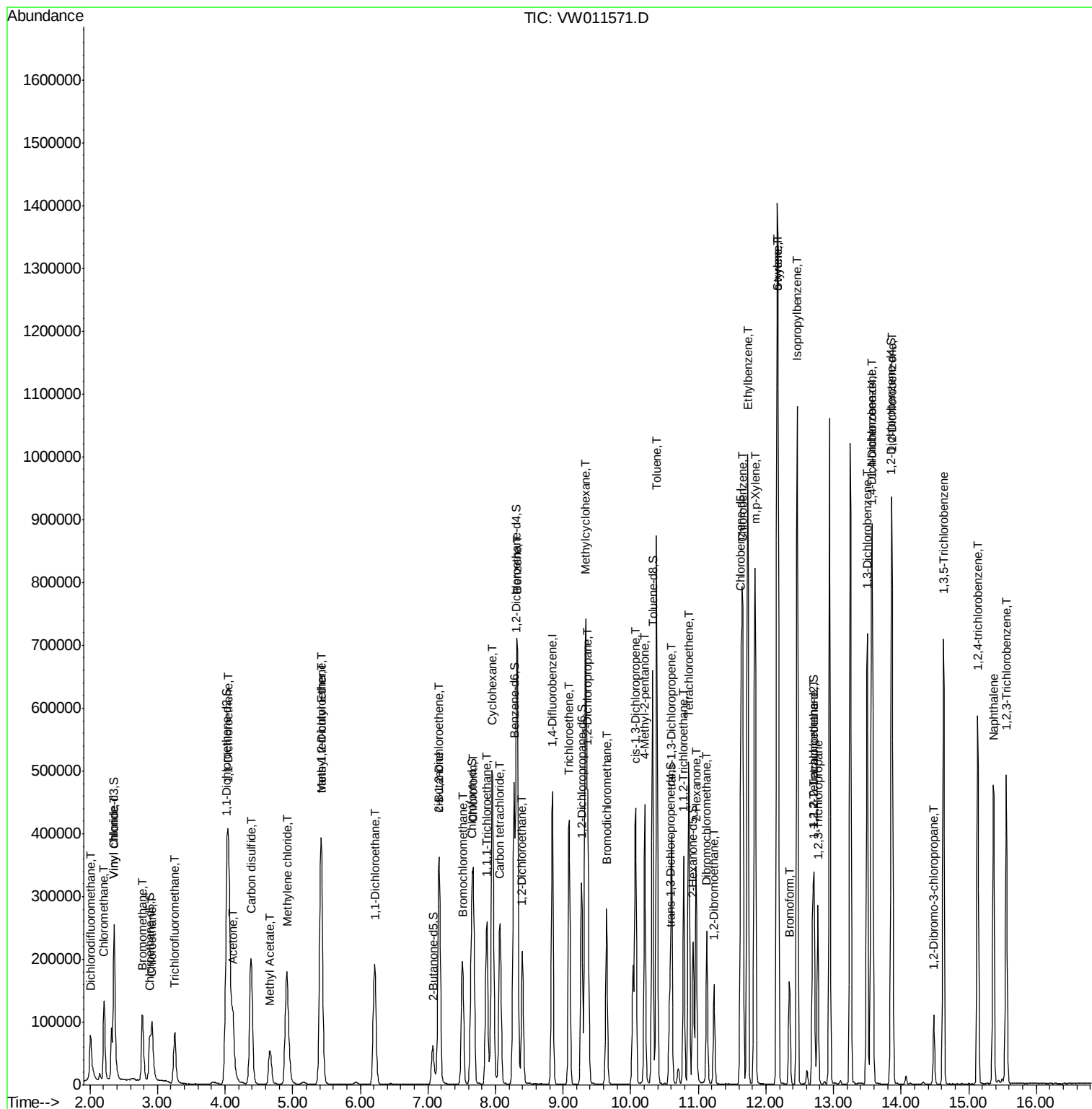
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.67	83	260434	26.175	ug/L	100
27) 1,2-Dichloroethane	8.40	62	195558	26.551	ug/L	99
30) Cyclohexane	7.95	56	302696	26.811	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	206604	26.106	ug/L	99
32) Carbon tetrachloride	8.07	117	195065	26.200	ug/L	99
34) Benzene	8.32	78	597964	26.272	ug/L	100
35) Trichloroethene	9.09	95	149048	25.795	ug/L	99
36) Methylcyclohexane	9.34	83	277783	26.500	ug/L	99
40) 1,2-Dichloropropane	9.37	63	159916	26.322	ug/L	100
41) Bromodichloromethane	9.65	83	188225	26.254	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	242234	26.656	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	309968	56.310	ug/L	100
44) Toluene	10.38	91	614165	26.560	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	203497	26.915	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	109464	26.427	ug/L	99
47) Tetrachloroethene	10.86	164	113119	25.630	ug/L	94
49) 2-Hexanone	10.97	43	235077	55.430	ug/L	99
50) Dibromochloromethane	11.13	129	123111	26.965	ug/L	93
51) 1,2-Dibromoethane	11.23	107	109061	27.058	ug/L #	99
52) Chlorobenzene	11.66	112	363705	26.070	ug/L	100
53) Ethylbenzene	11.73	91	684878	26.558	ug/L	98
54) m,p-Xylene	11.84	106	250978	26.765	ug/L	99
55) o-xylene	12.16	106	238127	26.983	ug/L	99
56) Styrene	12.18	104	409471	27.292	ug/L	99
57) Isopropylbenzene	12.46	105	652503	26.876	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	148014	26.890	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	116383	27.413	ug/L	100
62) Bromoform	12.35	173	73817	26.780	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	278537	26.637	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	277948	26.469	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	256844	27.125	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	28103	28.676	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	212274	27.580	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	181093	29.216	ug/L	99
69) Naphthalene	15.36	128	390815	31.309	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	166740	29.045	ug/L	98

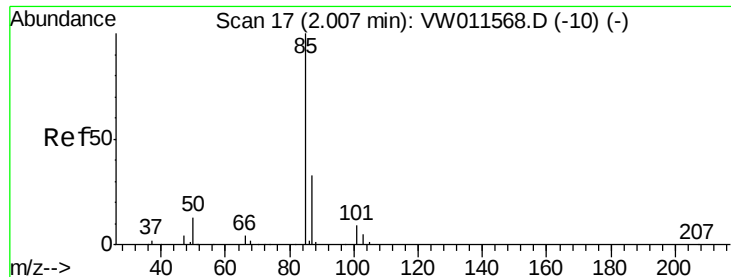
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 29.638 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

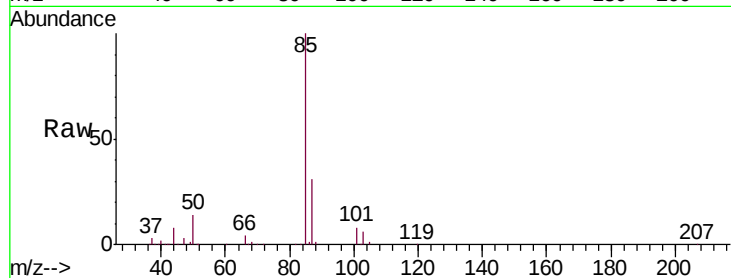
VICV04

Tgt Ion: 85 Resp: 120958

Ion Ratio Lower Upper

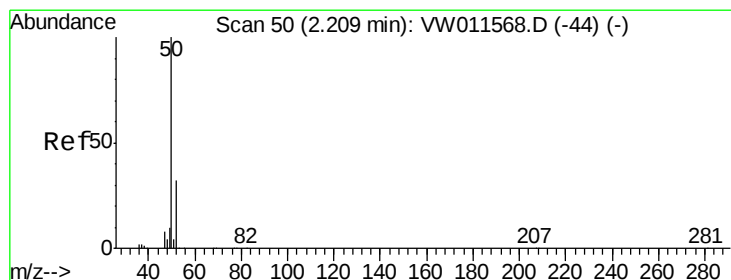
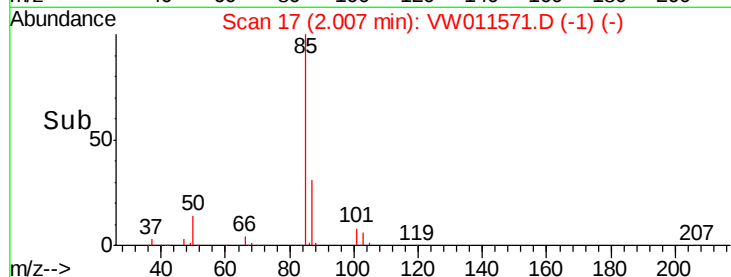
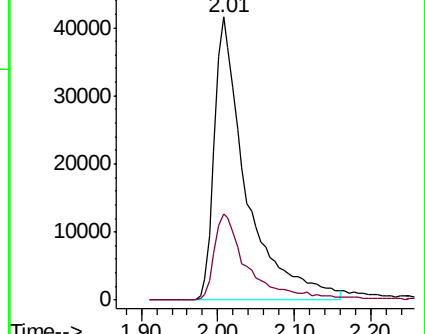
85 100

87 30.1 21.8 40.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 26.249 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW011571.D

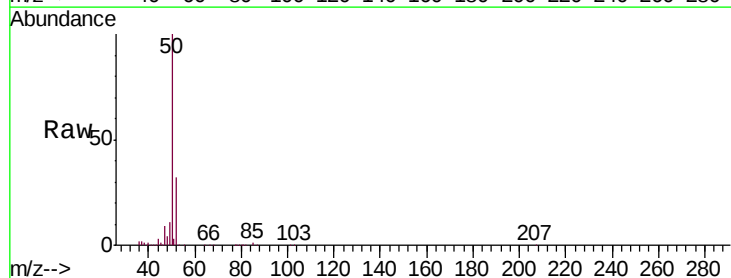
Acq: 30 Jul 2019 11:57

Tgt Ion: 50 Resp: 139343

Ion Ratio Lower Upper

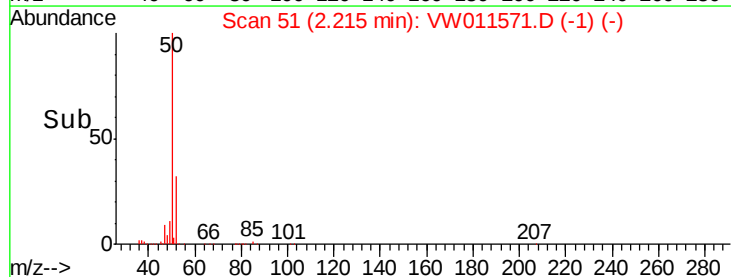
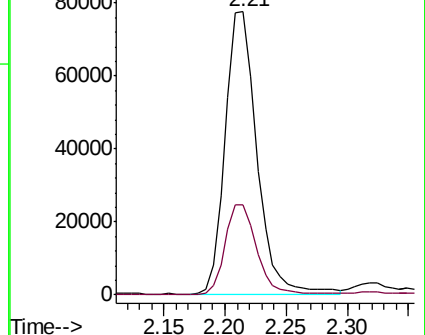
50 100

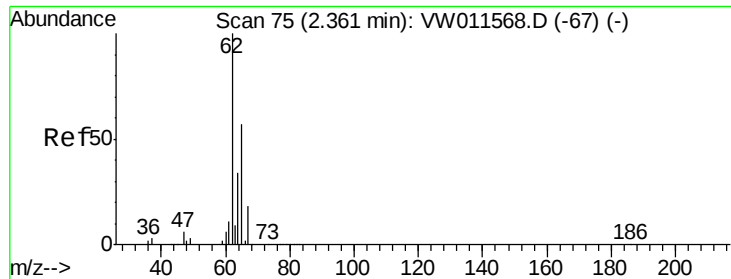
52 31.7 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.324 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

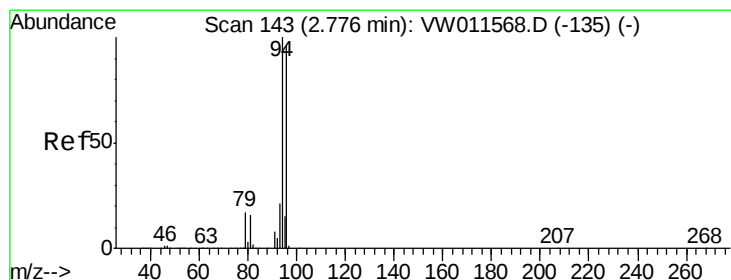
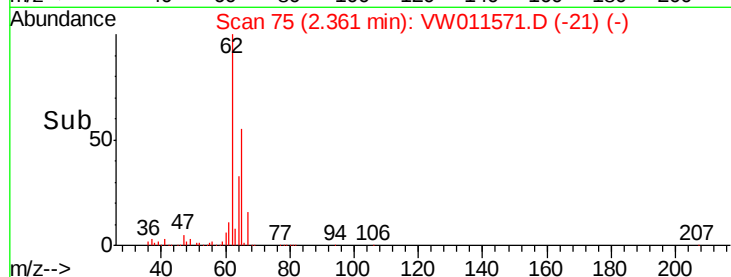
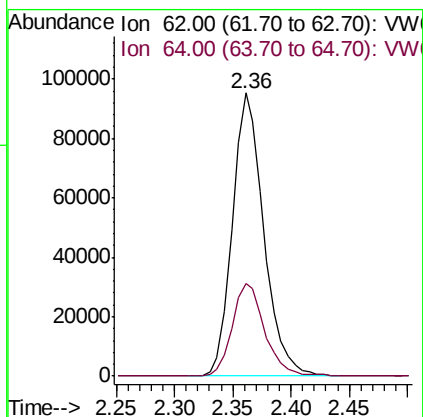
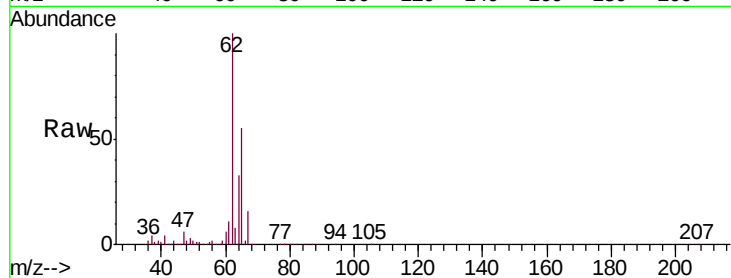
VICV04

Tgt Ion: 62 Resp: 178294

Ion Ratio Lower Upper

62 100

64 32.7 23.6 43.8



#6

Bromomethane

Concen: 27.774 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011571.D

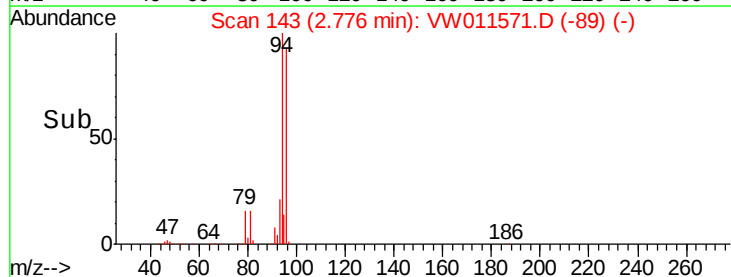
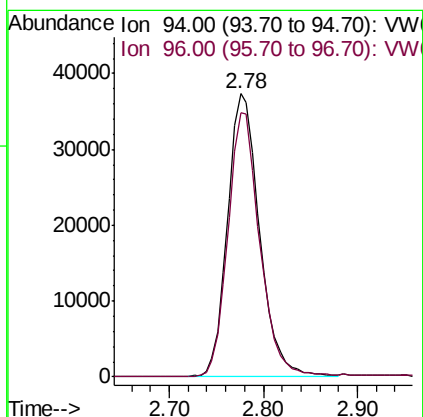
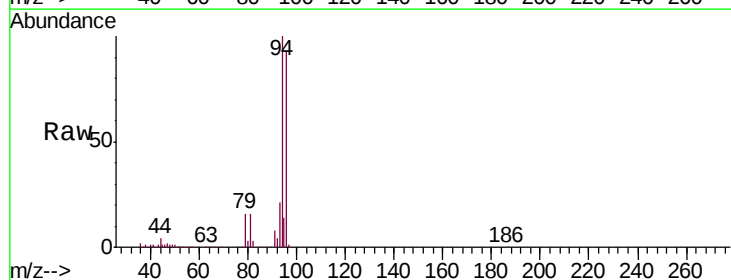
Acq: 30 Jul 2019 11:57

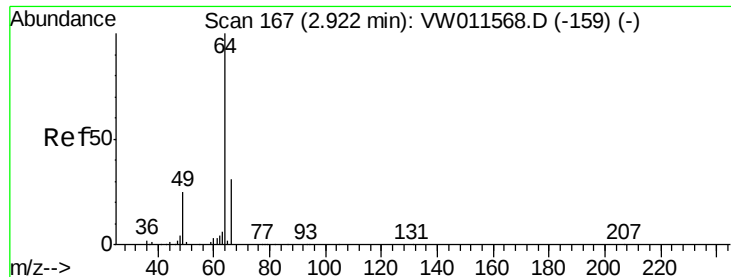
Tgt Ion: 94 Resp: 88682

Ion Ratio Lower Upper

94 100

96 92.2 9.3 175.9





#8

Chloroethane

Concen: 27.061 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

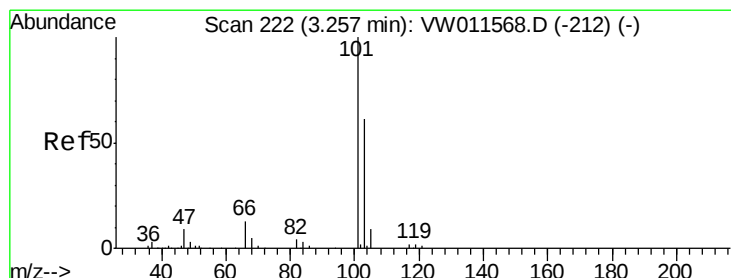
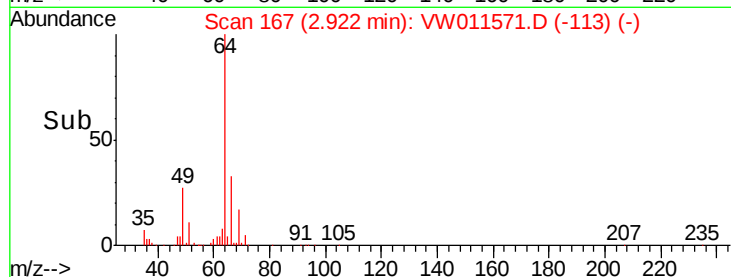
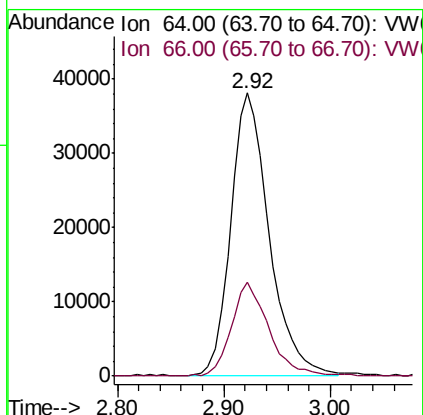
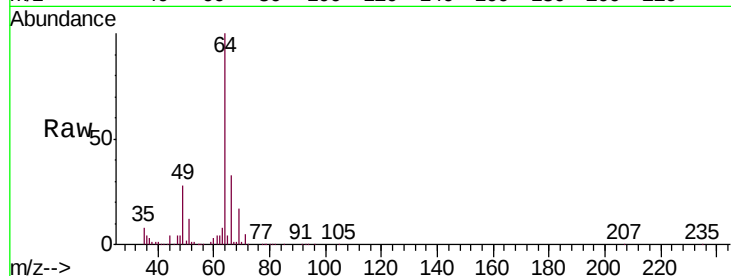
VICV04

Tgt Ion: 64 Resp: 95858

Ion Ratio Lower Upper

64 100

66 33.1 22.0 40.8



#9

Trichlorofluoromethane

Concen: 25.569 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW011571.D

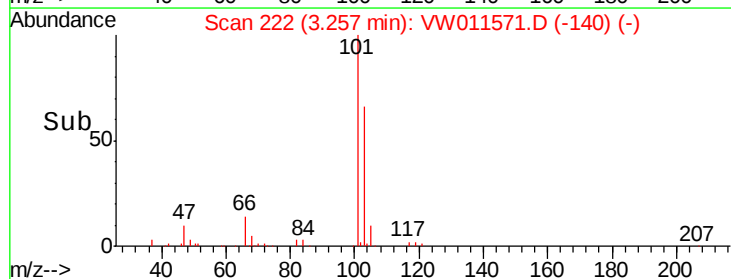
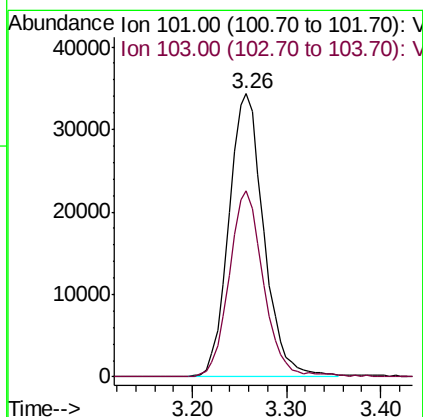
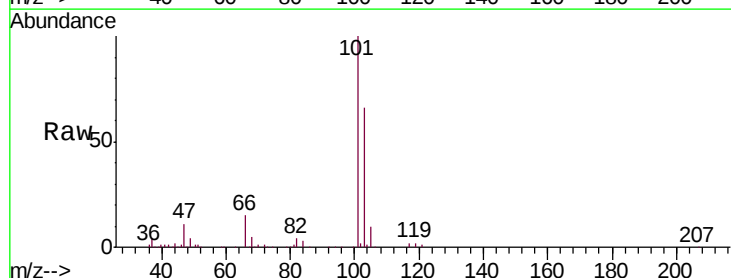
Acq: 30 Jul 2019 11:57

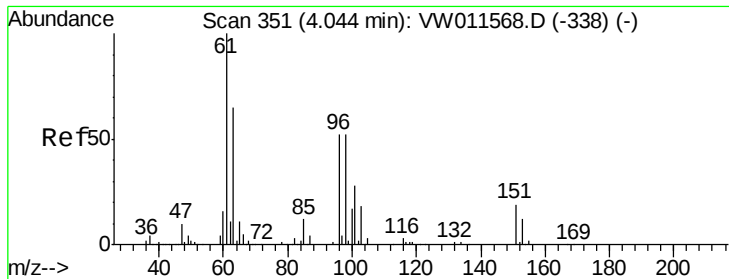
Tgt Ion: 101 Resp: 88217

Ion Ratio Lower Upper

101 100

103 64.1 44.3 82.3





#12

1,1-Dichloroethene

Concen: 26.054 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

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Acq: 30 Jul 2019 11:57

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ClientSampleID :

VICV04

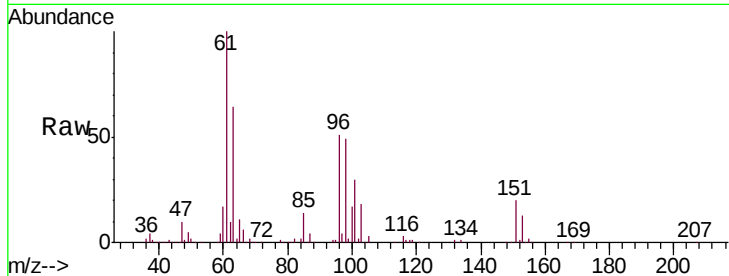
Tgt Ion: 96 Resp: 136268

Ion Ratio Lower Upper

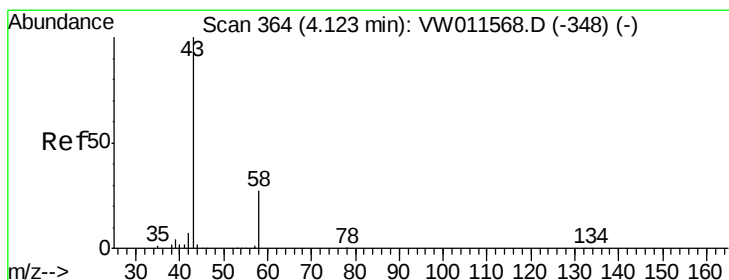
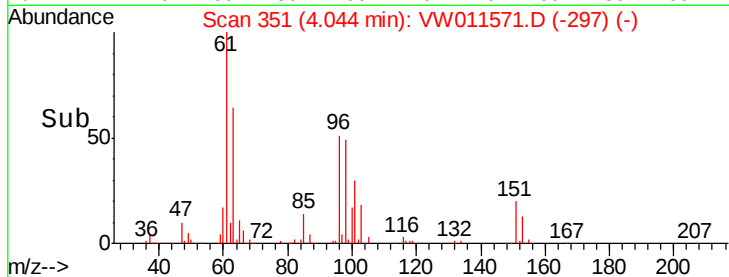
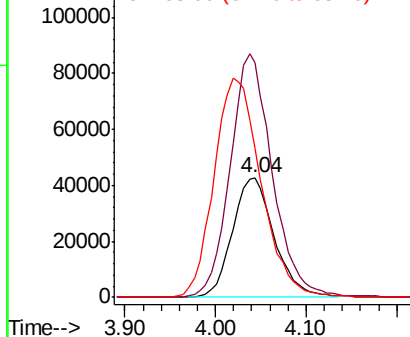
96 100

61 195.6 135.0 250.8

63 124.3 89.2 165.8



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: 51.496 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW011571.D

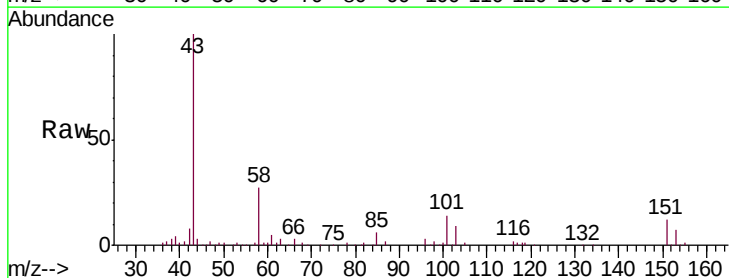
Acq: 30 Jul 2019 11:57

Tgt Ion: 43 Resp: 127339

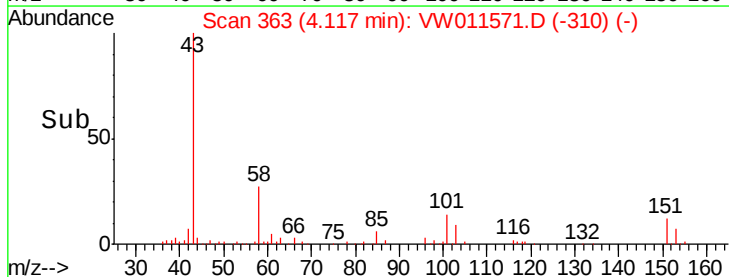
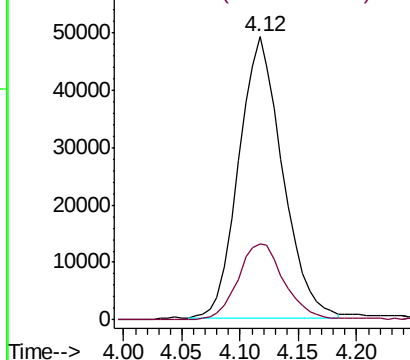
Ion Ratio Lower Upper

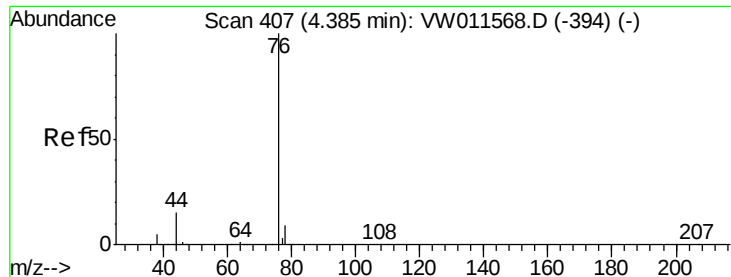
43 100

58 28.8 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 26.686 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

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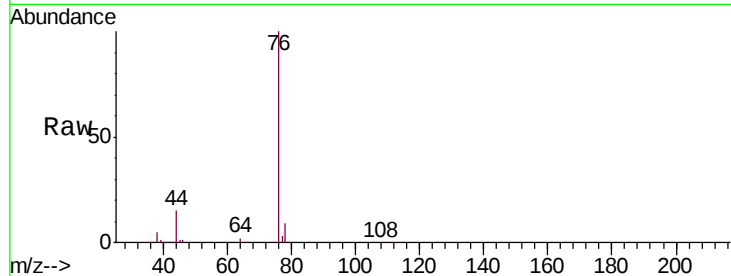
VICV04

Tgt Ion: 76 Resp: 454577

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

150000

100000

50000

0

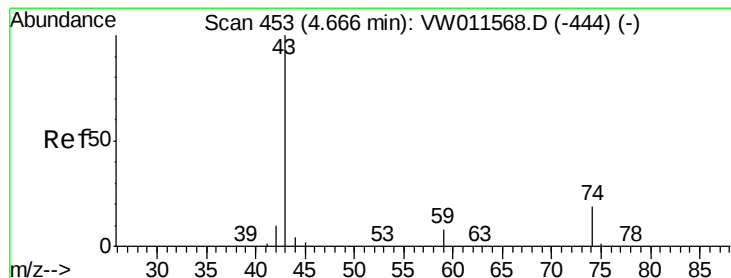
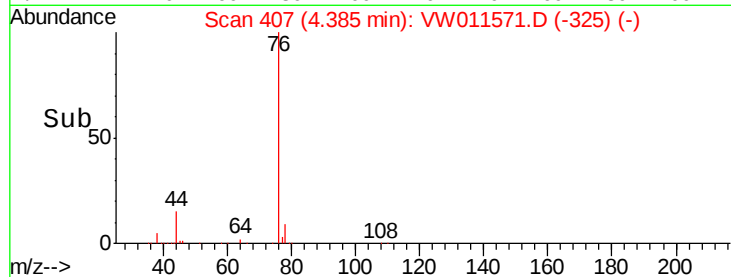
4.39

4.30

4.40

4.50

Time-->



#15

Methyl Acetate

Concen: 27.437 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011571.D

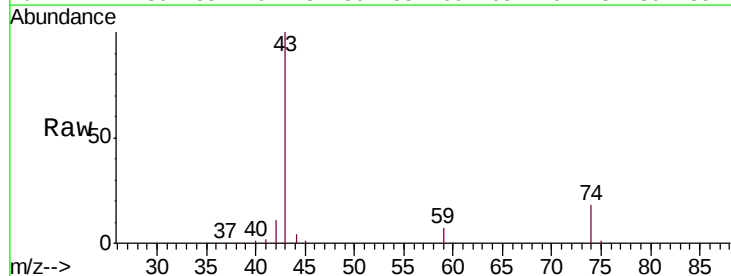
Acq: 30 Jul 2019 11:57

Tgt Ion: 43 Resp: 110928

Ion Ratio Lower Upper

43 100

74 19.1 15.0 22.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

40000

30000

20000

10000

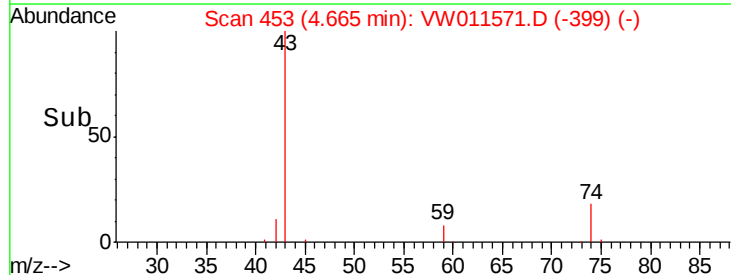
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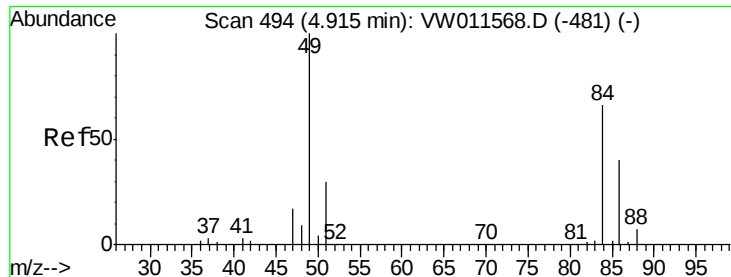
4.67

4.60

4.70

Time-->

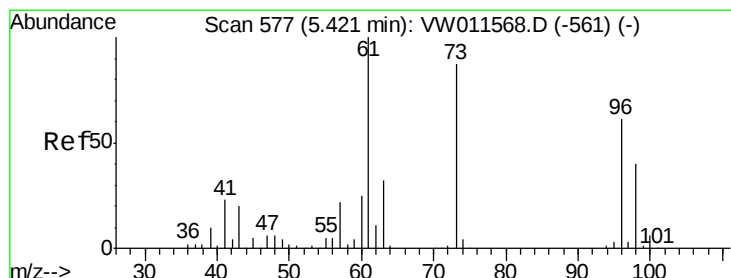
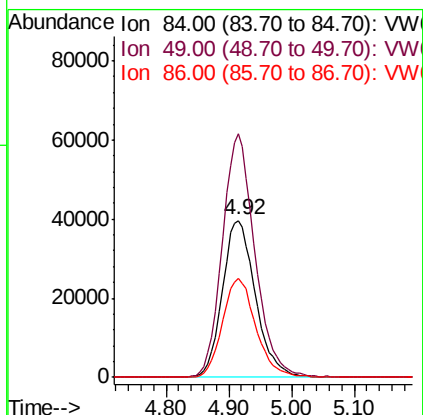
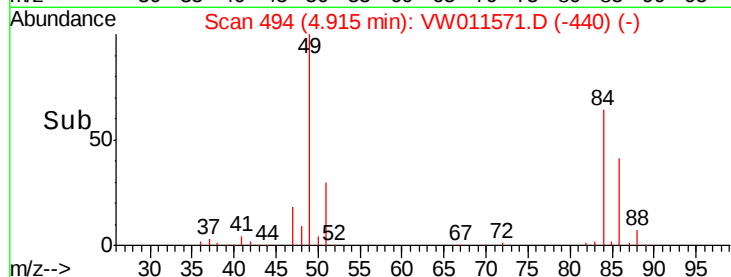
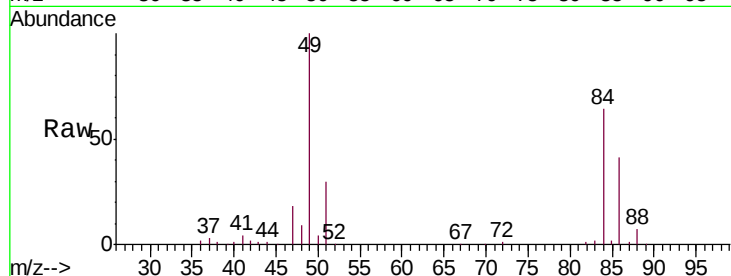




#16
Methylene chloride
Concen: 25.467 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011571.D
Acq: 30 Jul 2019 11:57

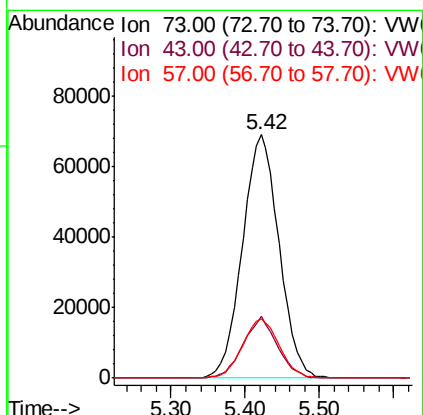
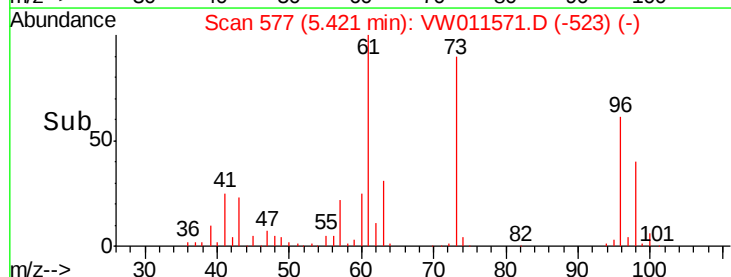
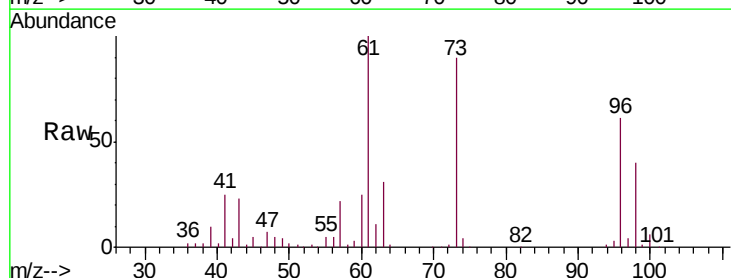
Instrument :
MSVOA_W
ClientSampleId :
VICV04

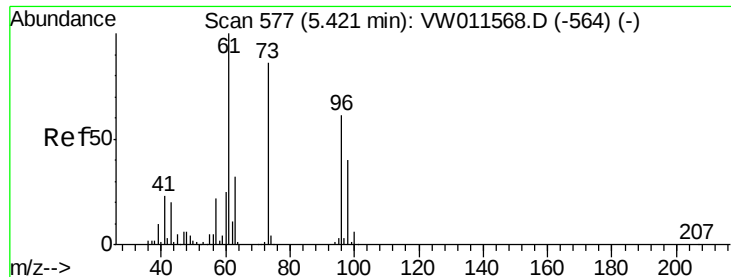
Tgt Ion: 84 Resp: 144725
Ion Ratio Lower Upper
84 100
49 155.2 106.8 198.4
86 63.5 42.8 79.4



#17
Methyl tert-butyl Ether
Concen: 27.227 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011571.D
Acq: 30 Jul 2019 11:57

Tgt Ion: 73 Resp: 237144
Ion Ratio Lower Upper
73 100
43 23.5 19.3 28.9
57 24.2 19.7 29.5





#18

trans-1,2-Dichloroethene

Concen: 26.088 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampled :

VICV04

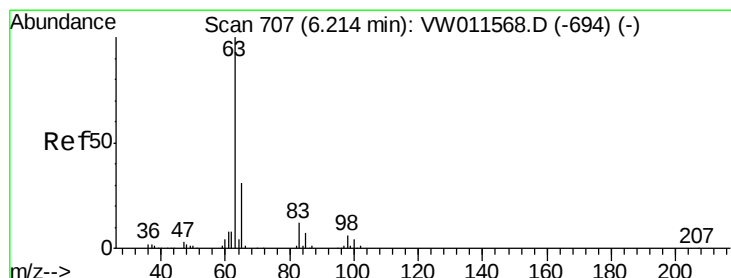
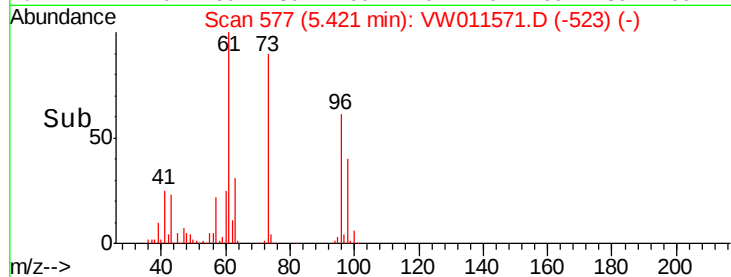
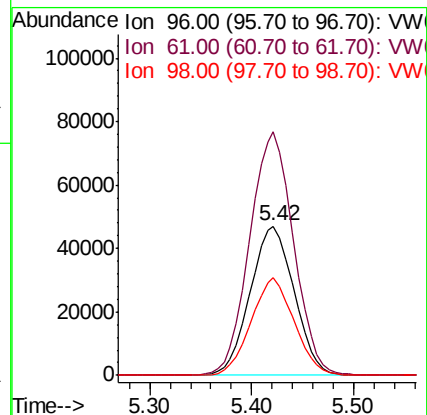
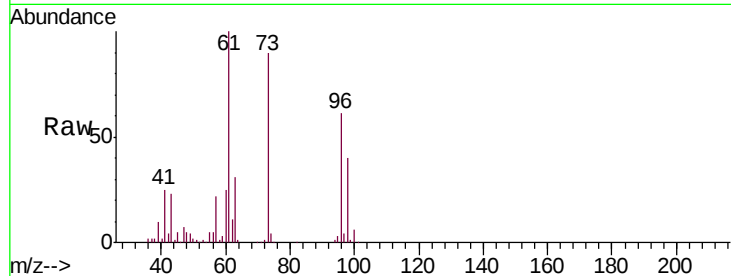
Tgt Ion: 96 Resp: 140972

Ion Ratio Lower Upper

96 100

61 162.9 114.2 212.0

98 65.1 45.6 84.6



#19

1,1-Dichloroethane

Concen: 26.308 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

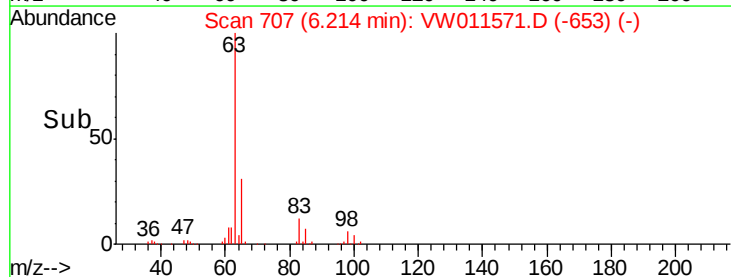
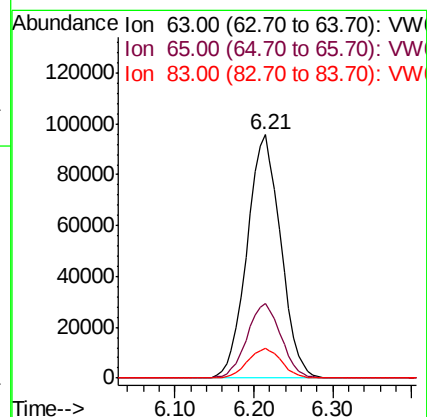
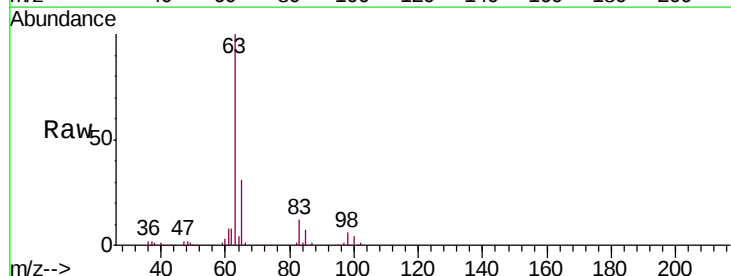
Tgt Ion: 63 Resp: 283984

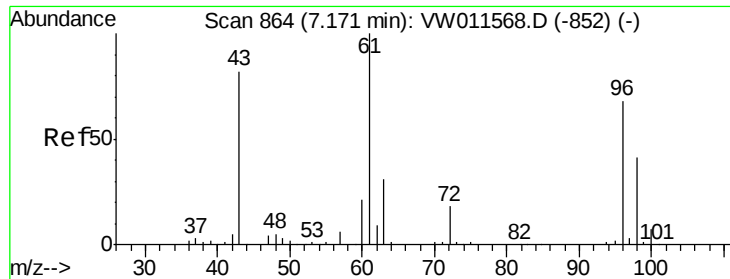
Ion Ratio Lower Upper

63 100

65 30.6 21.7 40.3

83 12.5 8.4 15.6





#21

2-Butanone

Concen: 54.149 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

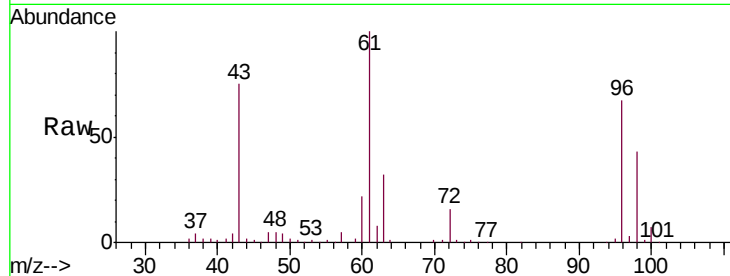
VICV04

Tgt Ion: 43 Resp: 167881

Ion Ratio Lower Upper

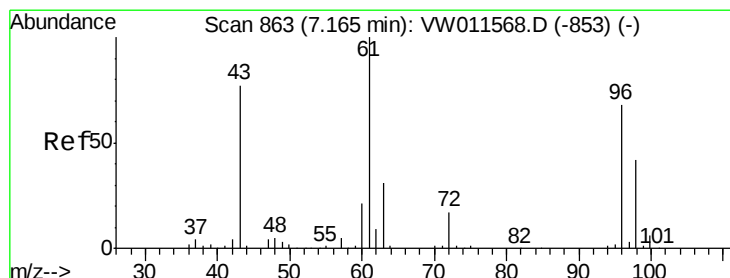
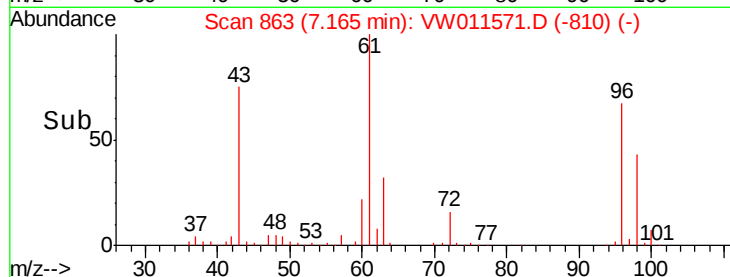
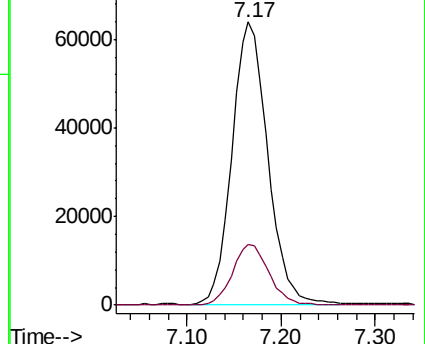
43 100

72 21.9 10.7 32.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#22

cis-1,2-Dichloroethene

Concen: 26.804 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

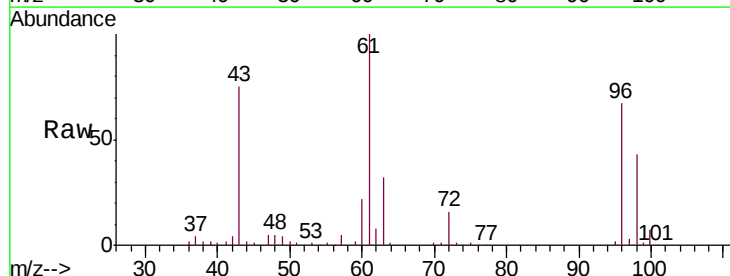
Tgt Ion: 96 Resp: 151529

Ion Ratio Lower Upper

96 100

61 148.4 103.9 192.9

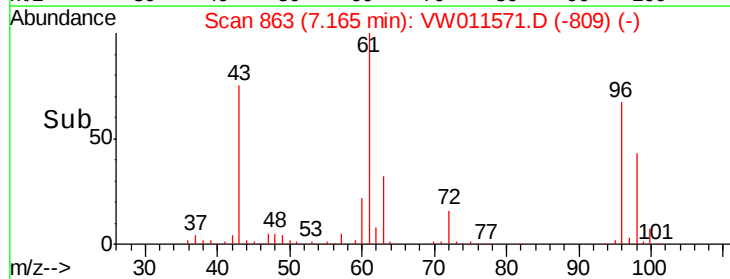
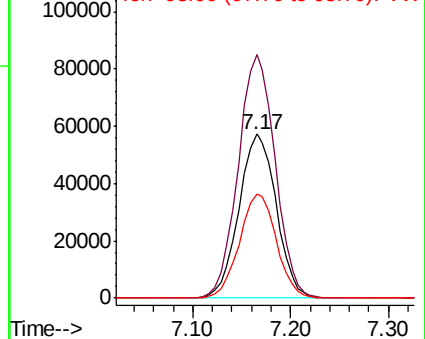
98 63.6 43.5 80.9

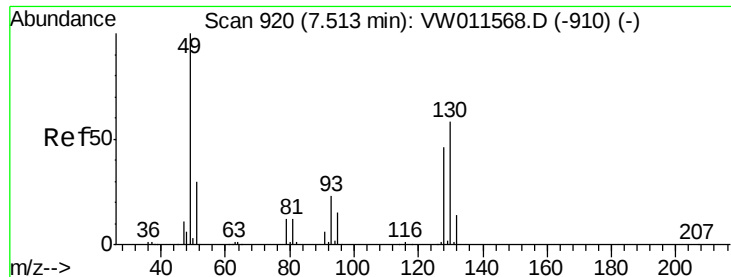


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#23

Bromochloromethane

Concen: 26.185 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampled :

VICV04

Tgt Ion:128 Resp: 62983

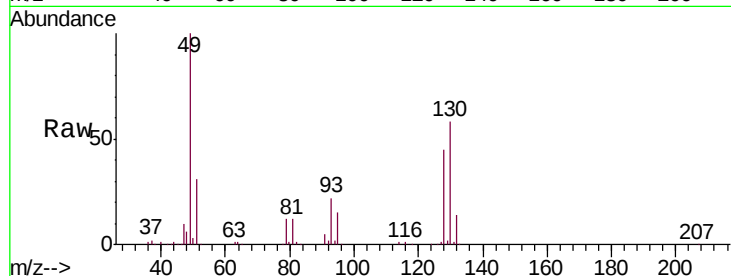
Ion Ratio Lower Upper

128 100

49 223.3 153.6 285.3

130 128.9 89.5 166.3

51 69.3 53.0 79.6

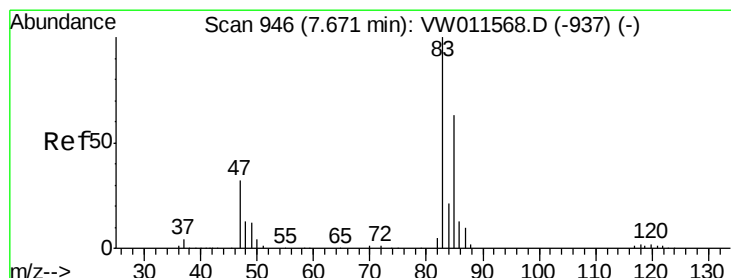
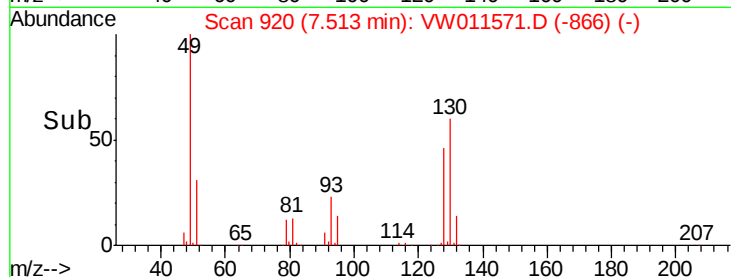
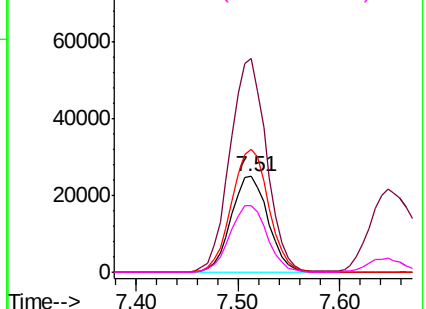


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 26.175 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW011571.D

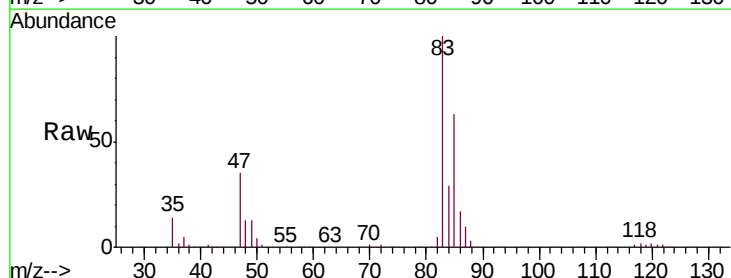
Acq: 30 Jul 2019 11:57

Tgt Ion: 83 Resp: 260434

Ion Ratio Lower Upper

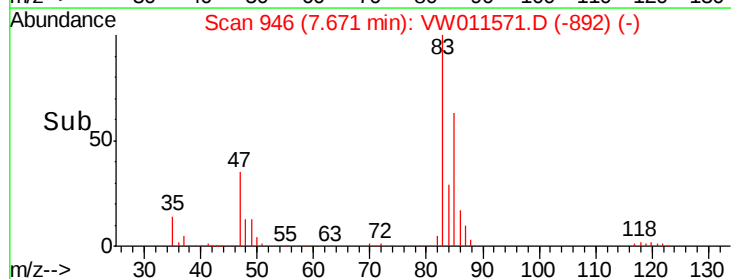
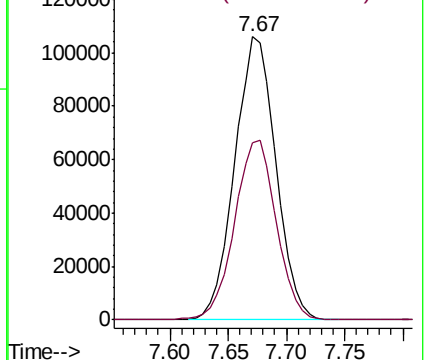
83 100

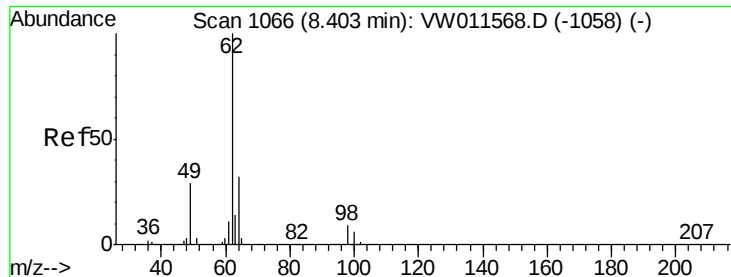
85 64.5 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 26.551 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

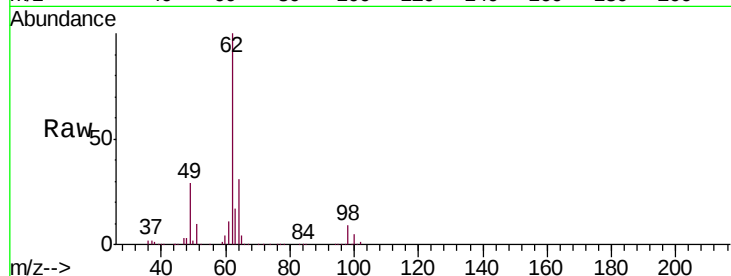
VICV04

Tgt Ion: 62 Resp: 195558

Ion Ratio Lower Upper

62 100

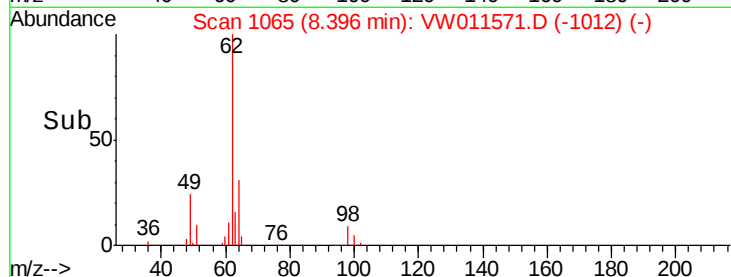
98 8.7 7.2 10.8



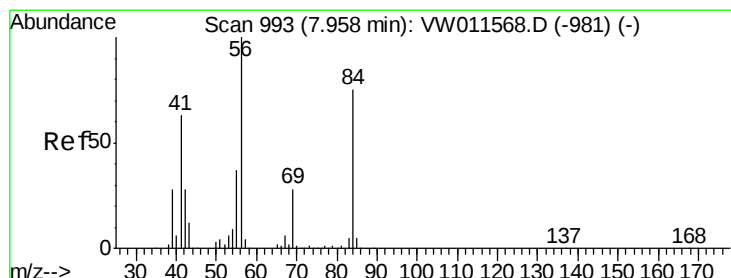
Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40



Time--> 8.30 8.35 8.40 8.45 8.50



#30

Cyclohexane

Concen: 26.811 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

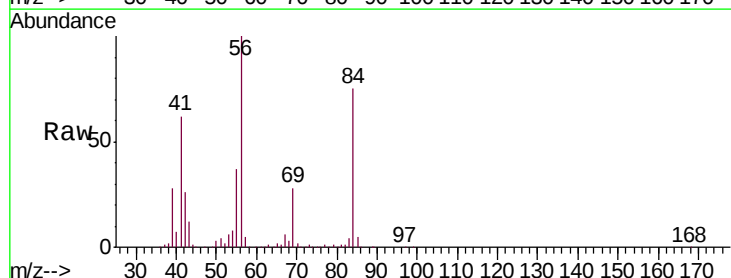
Tgt Ion: 56 Resp: 302696

Ion Ratio Lower Upper

56 100

69 27.9 22.4 33.6

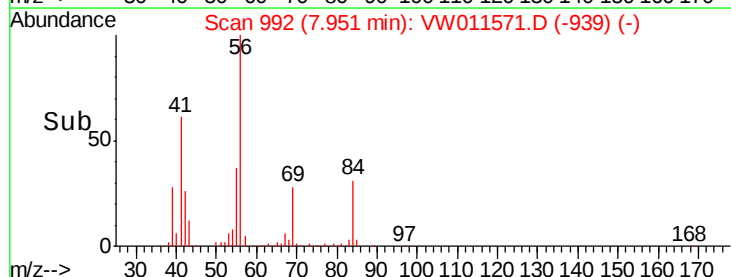
84 74.8 60.6 91.0



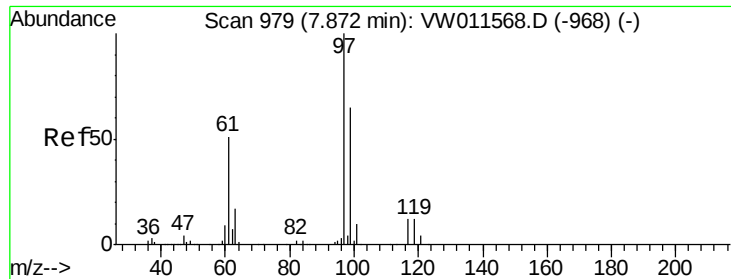
Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



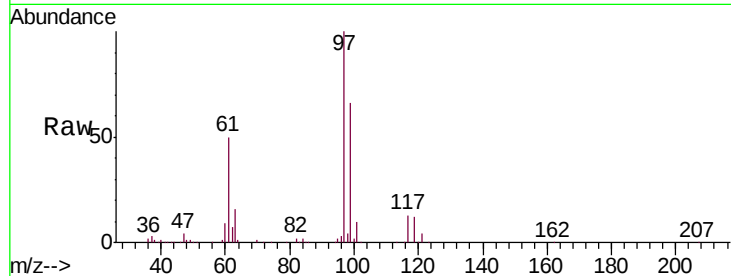
Time--> 7.80 7.90 8.00 8.10



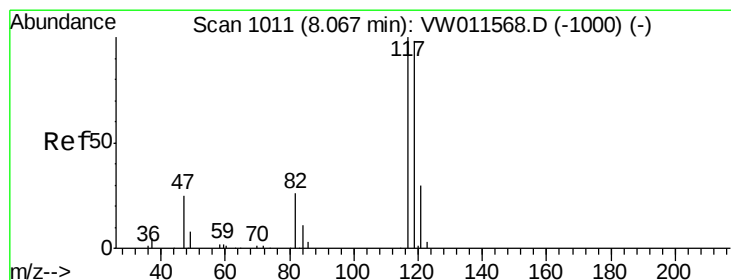
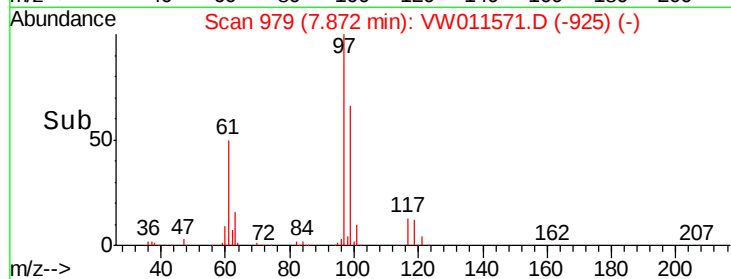
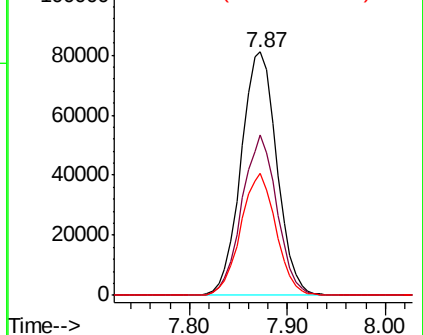
#31
 1,1,1-Trichloroethane
 Concen: 26.106 ug/L
 RT: 7.87 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VW011571.D
 Acq: 30 Jul 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

Tgt Ion: 97 Resp: 206604
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.1 78.1
 61 49.4 40.3 60.5

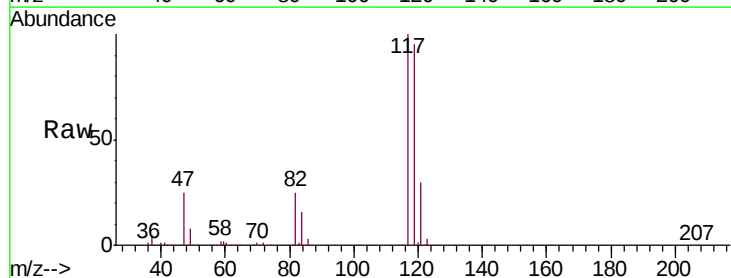


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 99.00 (98.70 to 99.70): VW
 Ion 61.00 (60.70 to 61.70): VW

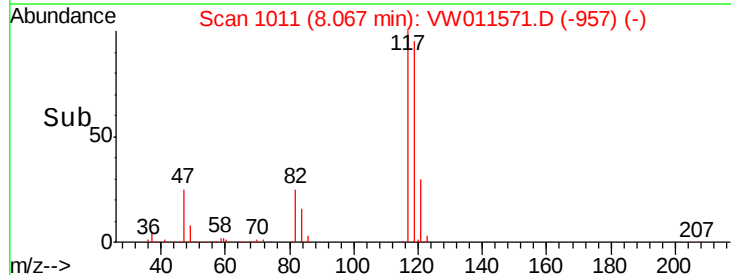
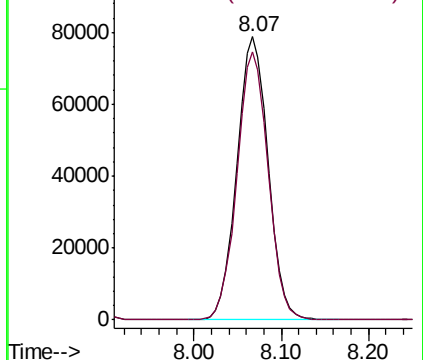


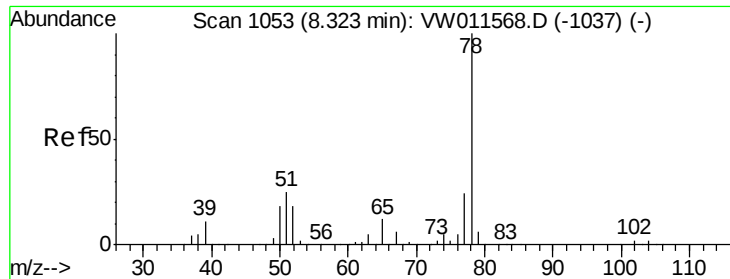
#32
 Carbon tetrachloride
 Concen: 26.200 ug/L
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW011571.D
 Acq: 30 Jul 2019 11:57

Tgt Ion: 117 Resp: 195065
 Ion Ratio Lower Upper
 117 100
 119 94.5 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 26.272 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

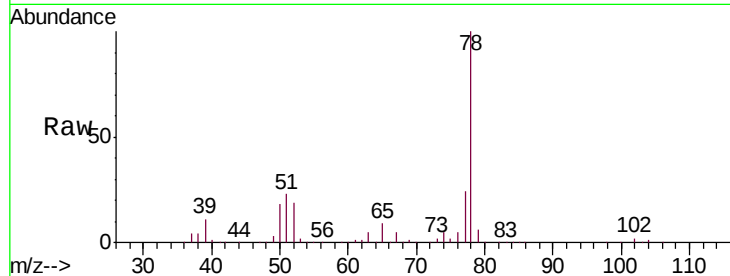
Instrument :

MSVOA_W

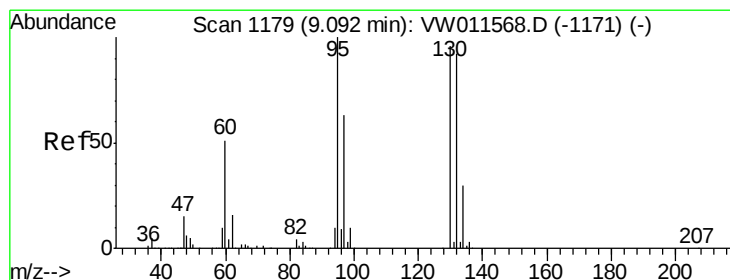
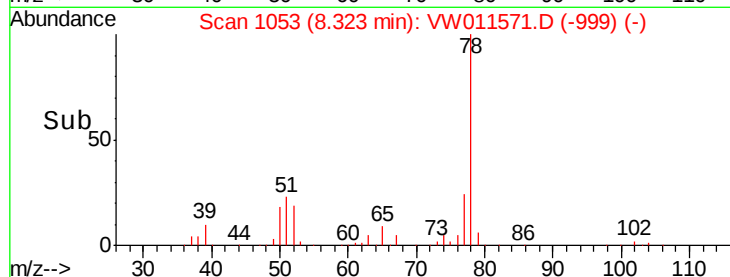
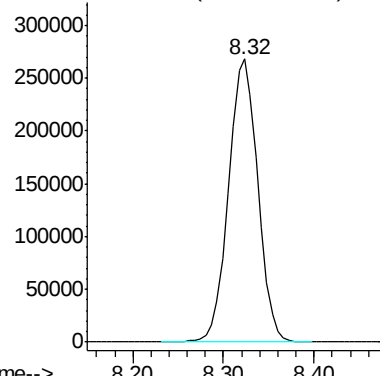
ClientSampled :

VICV04

Tgt Ion: 78 Resp: 597964



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 25.795 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Tgt Ion: 95 Resp: 149048

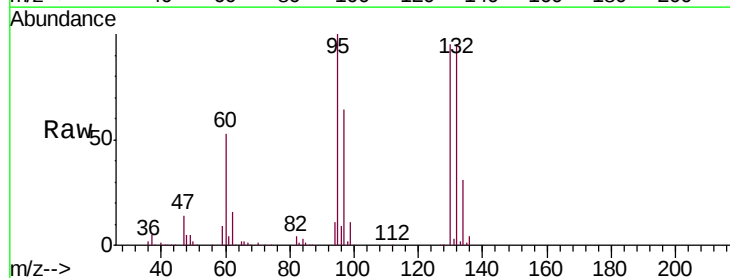
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.8	83.2
132	94.2	65.0	120.6
130	97.1	68.0	126.4

95 100

97 64.3 44.8 83.2

132 94.2 65.0 120.6

130 97.1 68.0 126.4

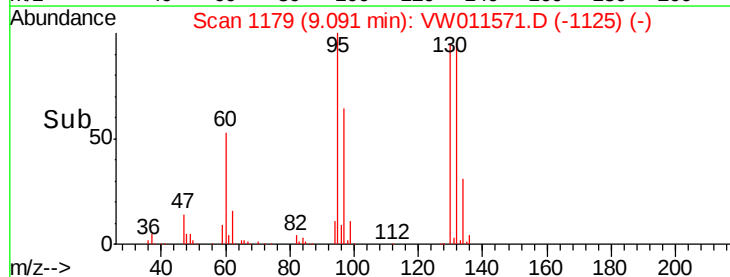
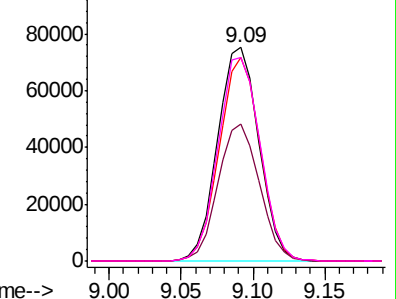


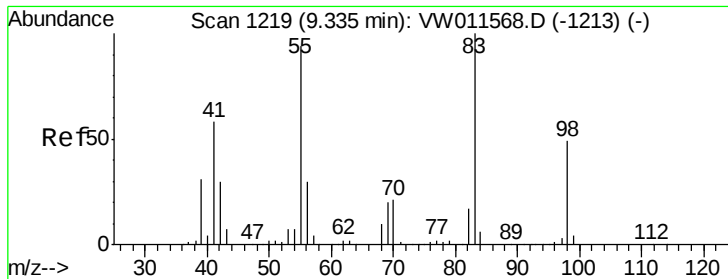
Abundance Ion 95.00 (94.70 to 95.70): VW

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

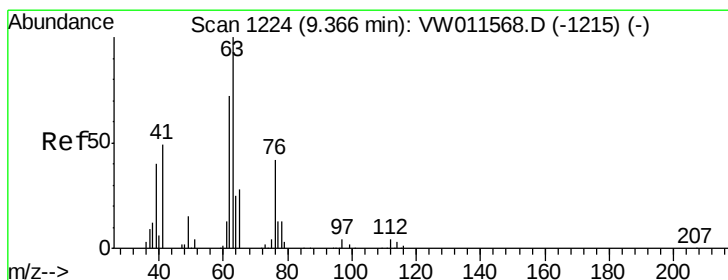
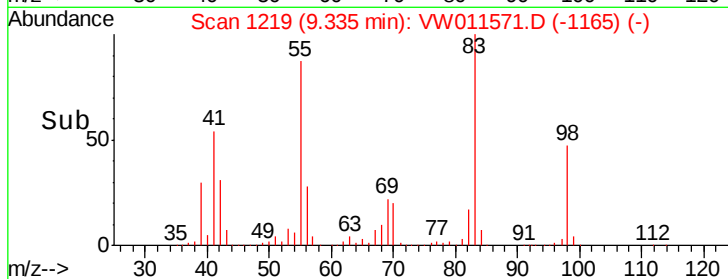
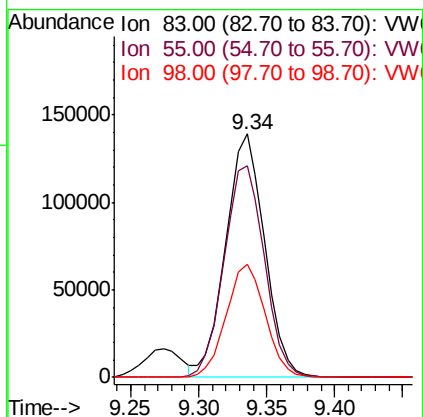
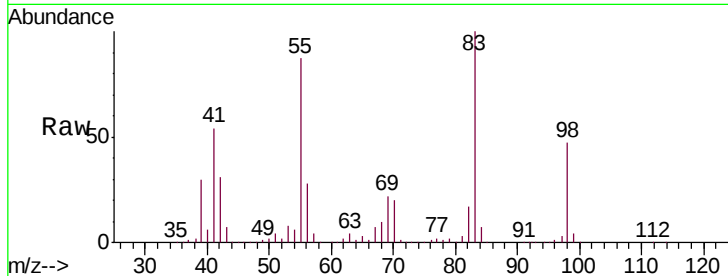




#36
Methylcyclohexane
Concen: 26.500 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011571.D
Acq: 30 Jul 2019 11:57

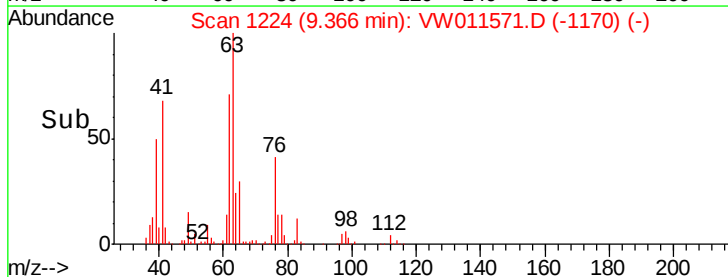
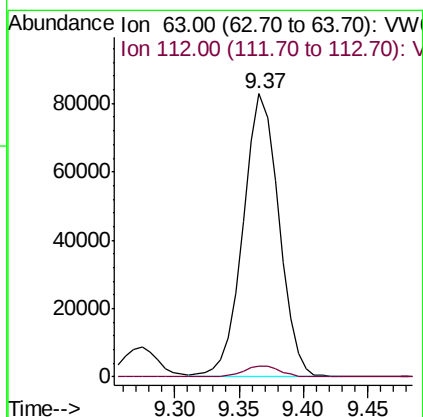
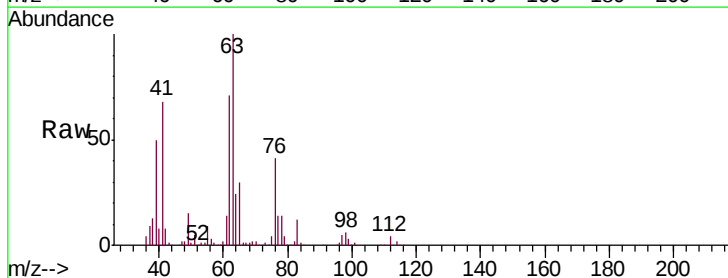
Instrument :
MSVOA_W
ClientSampleId :
VICV04

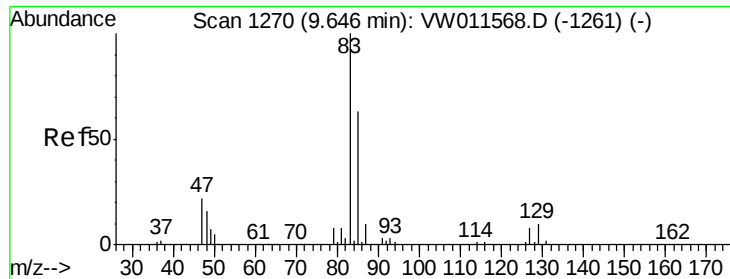
Tgt Ion: 83 Resp: 277783
Ion Ratio Lower Upper
83 100
55 89.7 72.6 108.8
98 46.9 37.8 56.6



#40
1,2-Dichloropropane
Concen: 26.322 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW011571.D
Acq: 30 Jul 2019 11:57

Tgt Ion: 63 Resp: 159916
Ion Ratio Lower Upper
63 100
112 3.9 3.1 4.7





#41

Bromodichloromethane

Concen: 26.254 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VICV04

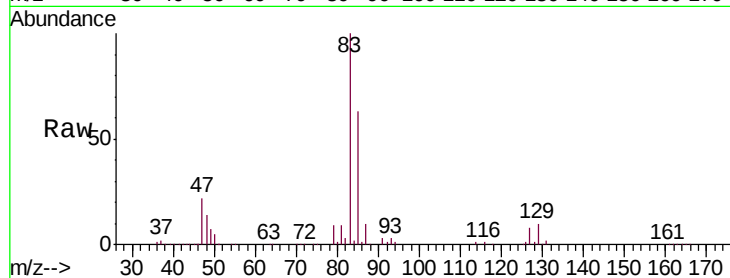
Tgt Ion: 83 Resp: 188225

Ion Ratio Lower Upper

83 100

85 62.8 44.0 81.6

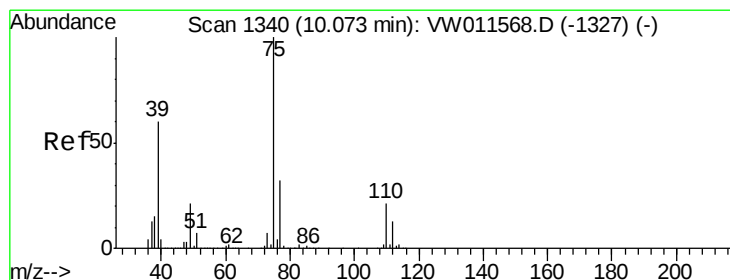
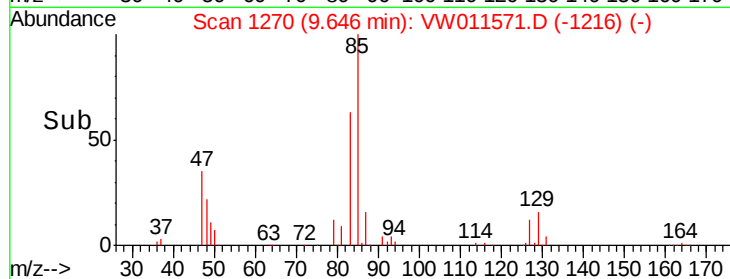
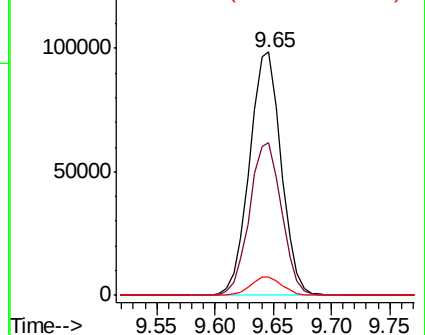
127 7.7 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 26.656 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011571.D

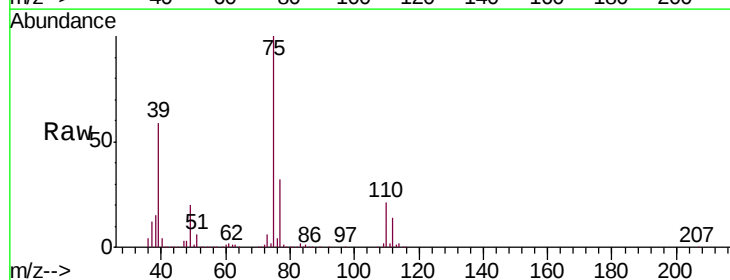
Acq: 30 Jul 2019 11:57

Tgt Ion: 75 Resp: 242234

Ion Ratio Lower Upper

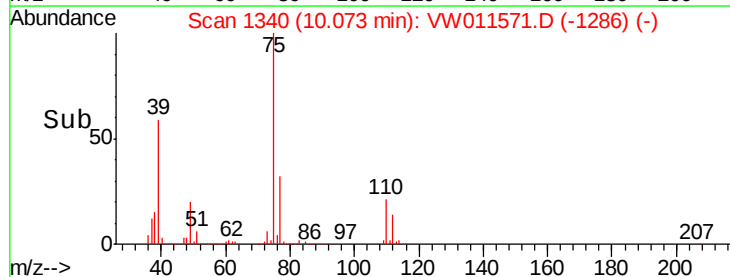
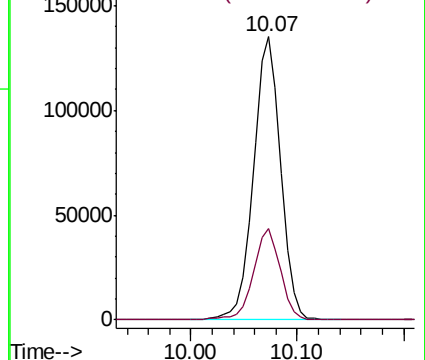
75 100

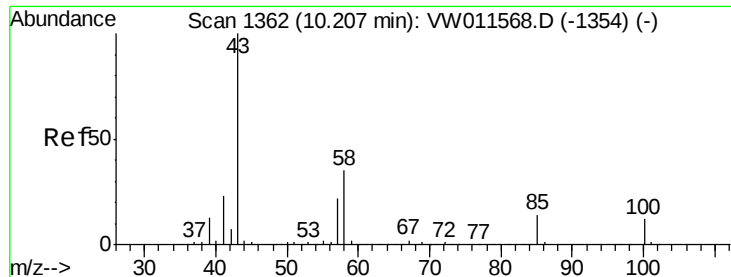
77 32.3 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

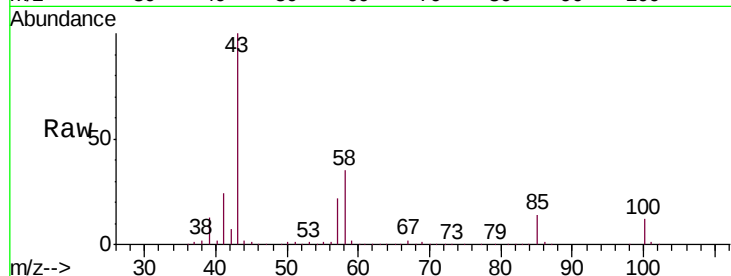




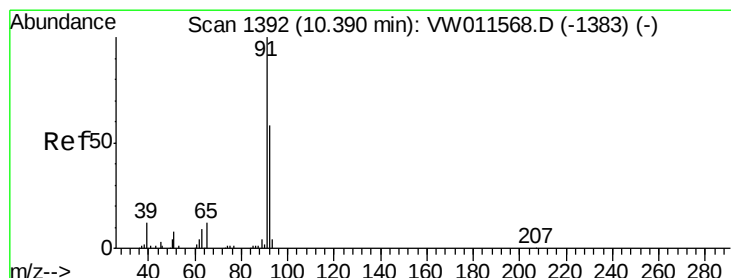
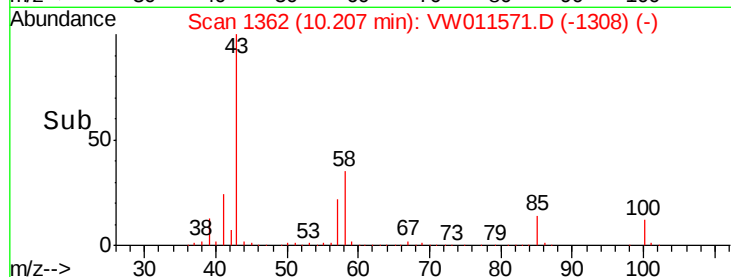
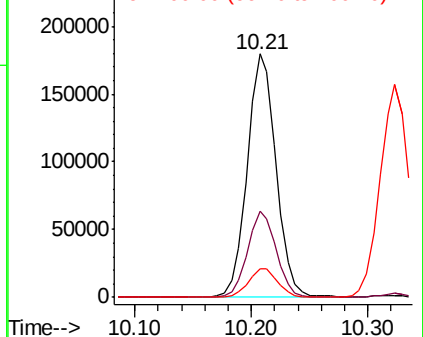
#43
4-Methyl-2-pentanone
Concen: 56.310 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW011571.D
Acq: 30 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampled :
VICV04

Tgt Ion: 43 Resp: 309968
Ion Ratio Lower Upper
43 100
58 35.1 28.0 42.0
100 11.8 9.4 14.2

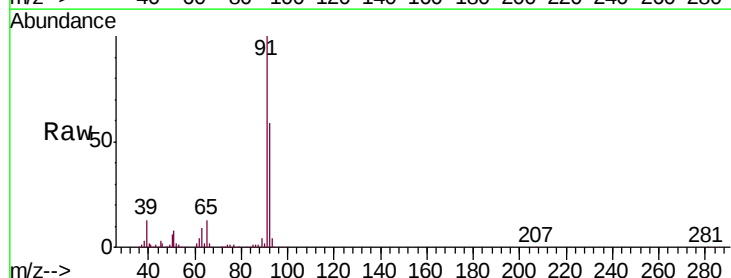


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 100.00 (99.70 to 100.70): VW

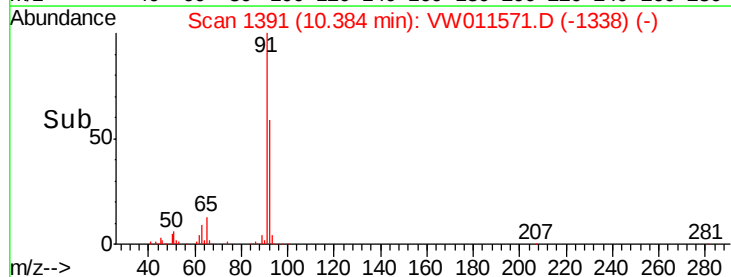
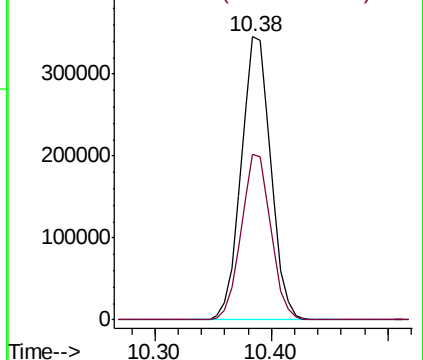


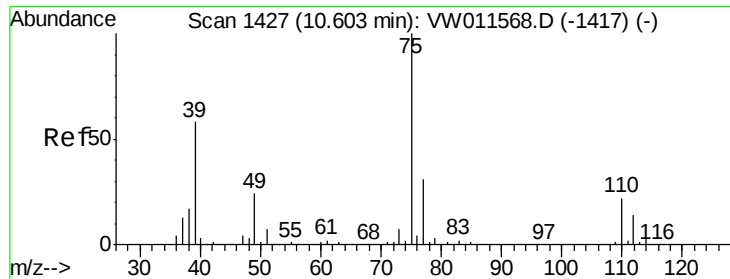
#44
Toluene
Concen: 26.560 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW011571.D
Acq: 30 Jul 2019 11:57

Tgt Ion: 91 Resp: 614165
Ion Ratio Lower Upper
91 100
92 58.7 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW





#45

trans-1,3-Dichloropropene

Concen: 26.915 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

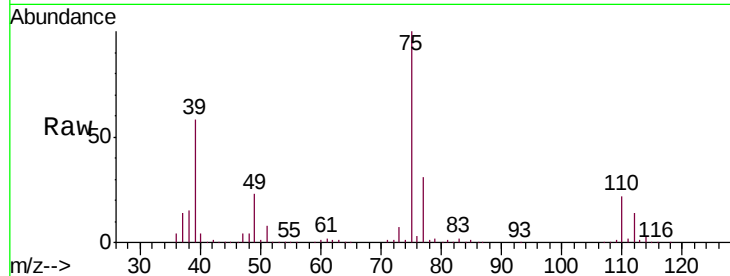
VICV04

Tgt Ion: 75 Resp: 203497

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

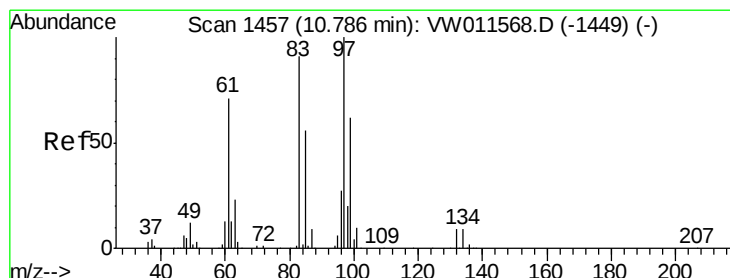
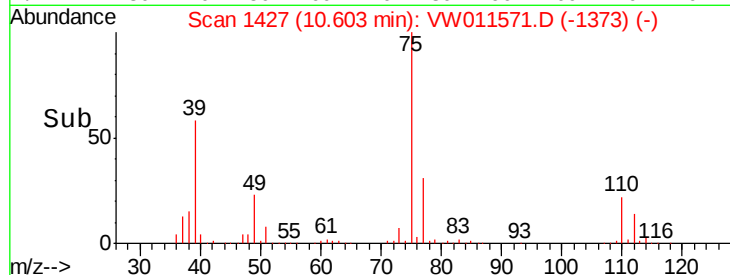
10.60

100000

50000

0

Time-->



#46

1,1,2-Trichloroethane

Concen: 26.427 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Tgt Ion: 97 Resp: 109464

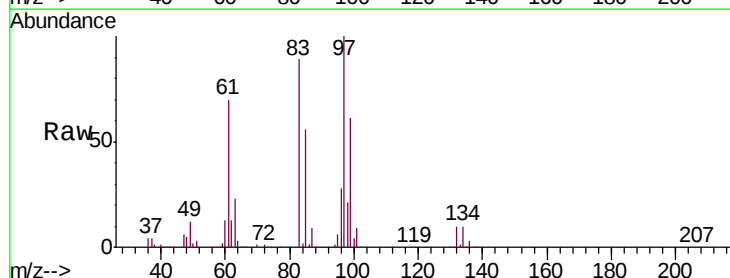
Ion Ratio Lower Upper

97 100

83 89.4 63.8 118.6

85 55.7 39.3 72.9

99 61.4 43.5 80.7



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

10.79

80000

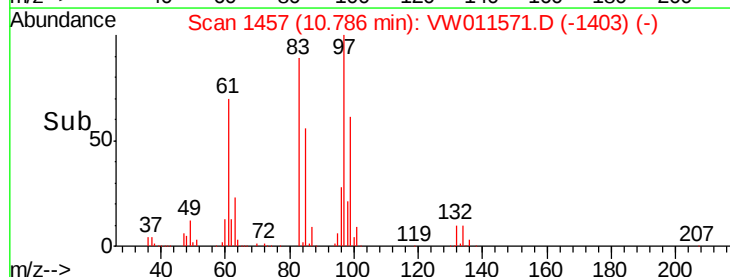
60000

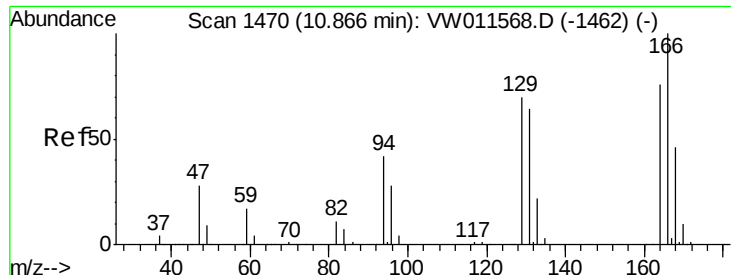
40000

20000

0

Time-->





#47

Tetrachloroethene

Concen: 25.630 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VICV04

Tgt Ion:164 Resp: 113119

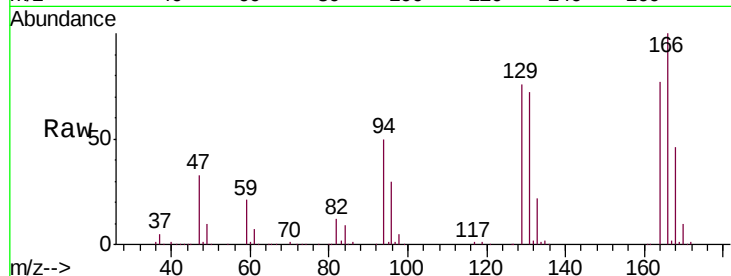
Ion Ratio Lower Upper

164 100

129 99.0 64.0 119.0

131 93.1 58.6 108.8

166 129.5 91.7 170.3

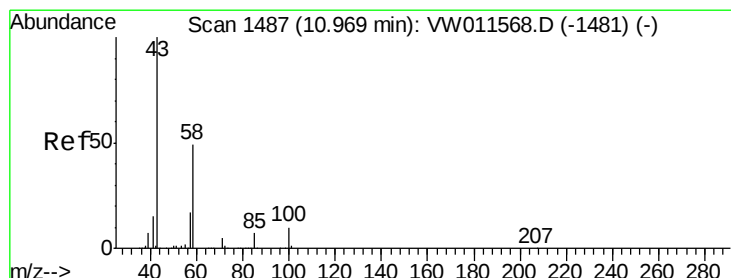
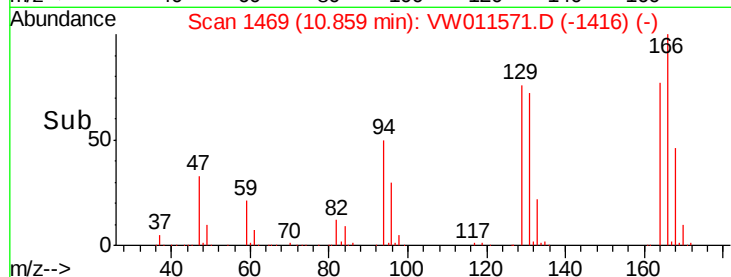
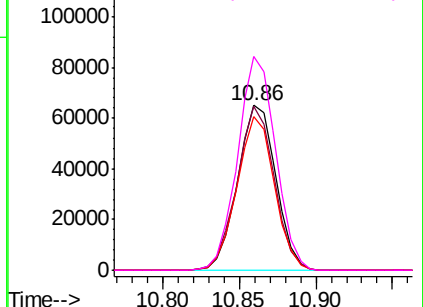


Abundance Ion 164.00 (163.70 to 164.70): V

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: 55.430 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Tgt Ion: 43 Resp: 235077

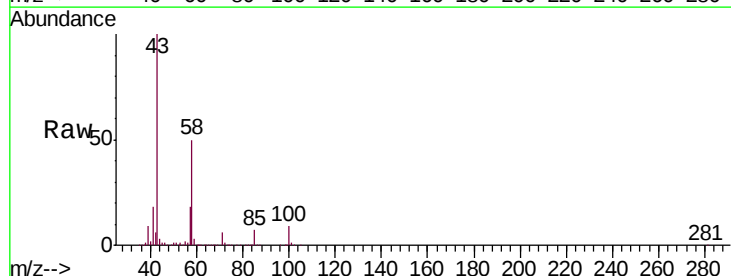
Ion Ratio Lower Upper

43 100

58 48.4 38.6 57.8

57 17.3 13.0 19.6

100 9.4 7.5 11.3

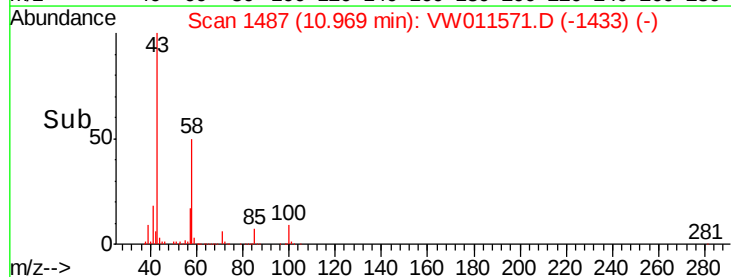
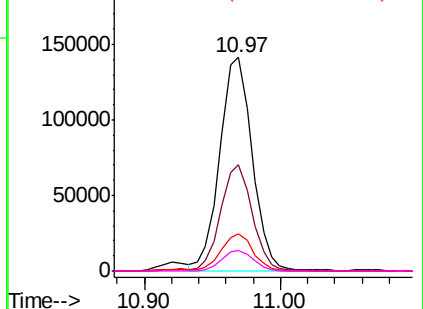


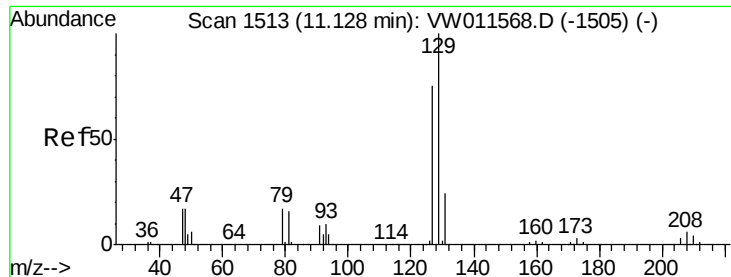
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.965 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

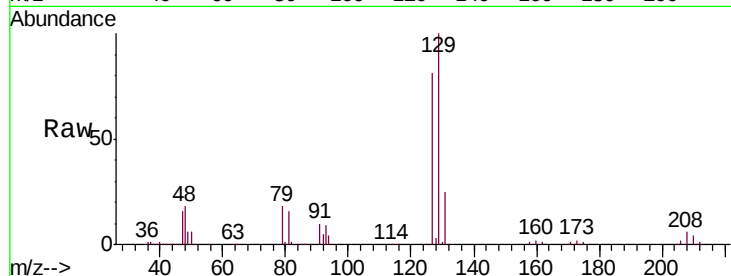
VICV04

Tgt Ion:129 Resp: 123111

Ion Ratio Lower Upper

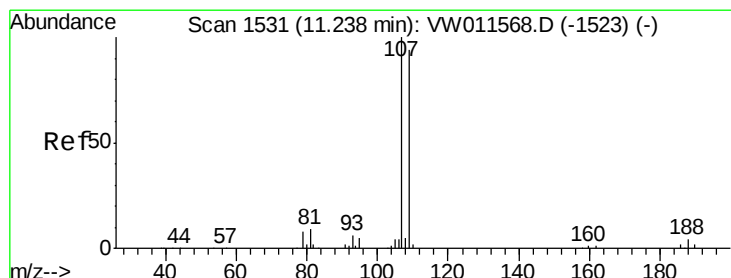
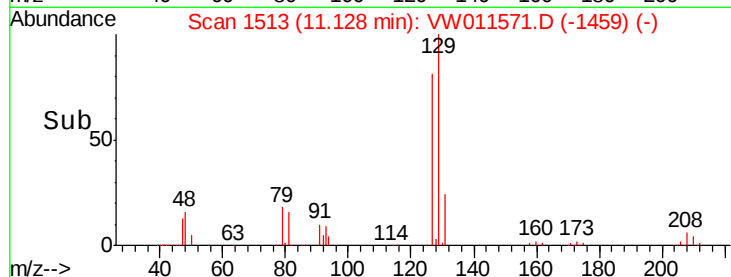
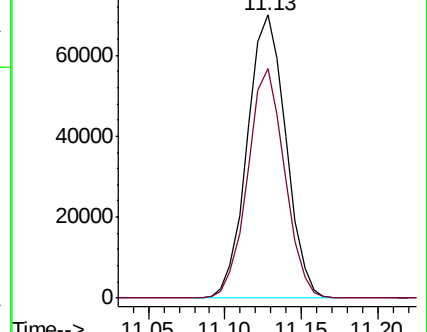
129 100

127 80.9 52.6 97.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 27.058 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

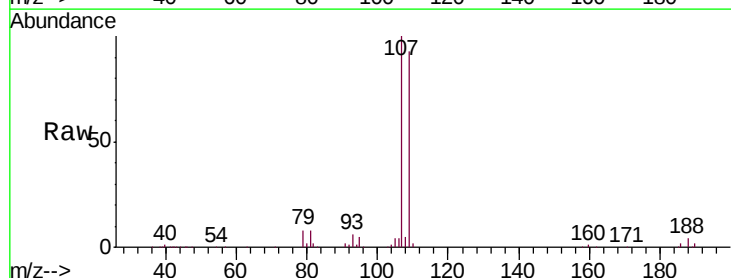
Tgt Ion:107 Resp: 109061

Ion Ratio Lower Upper

107 100

109 93.2 66.1 122.8

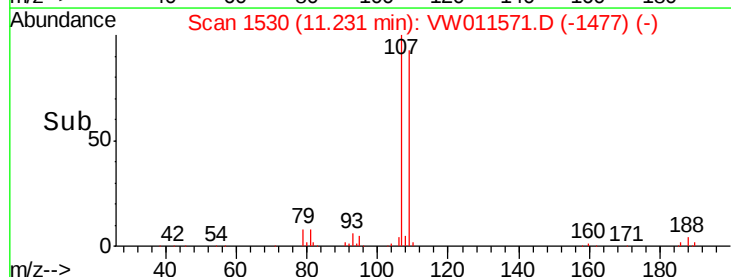
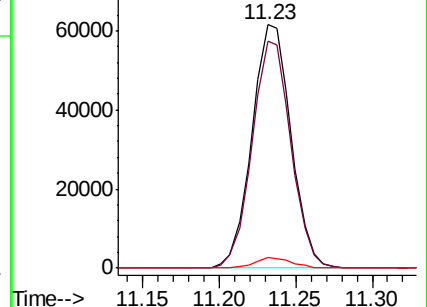
188 4.3 2.9 4.3#

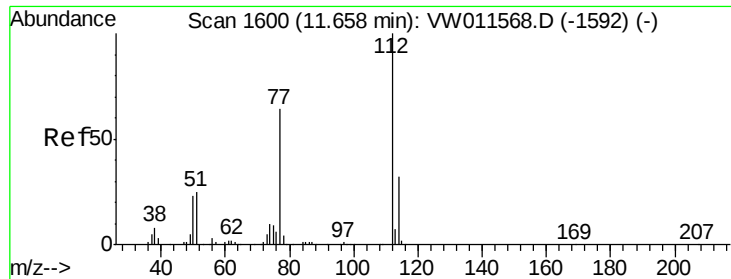


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

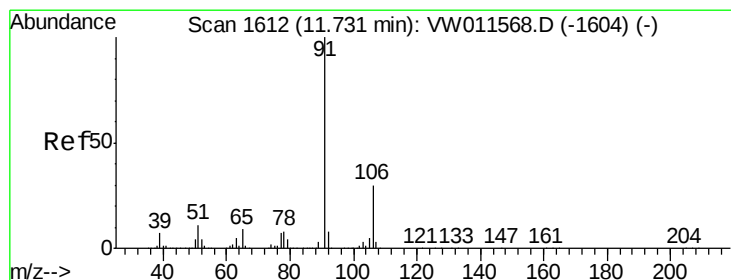
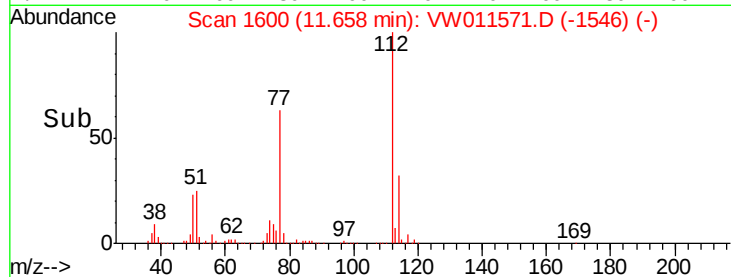
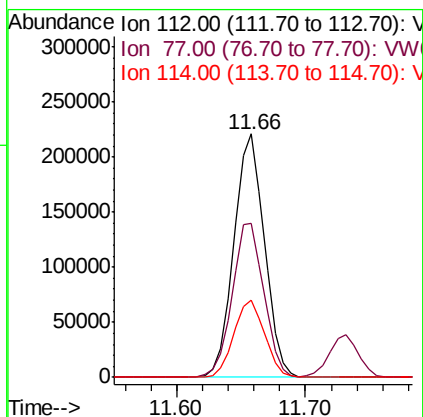
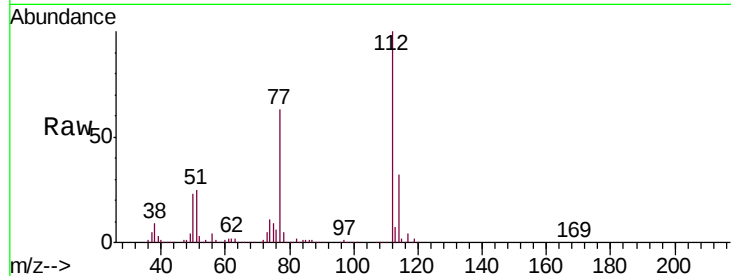




#52
Chlorobenzene
Concen: 26.070 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011571.D
Acq: 30 Jul 2019 11:57

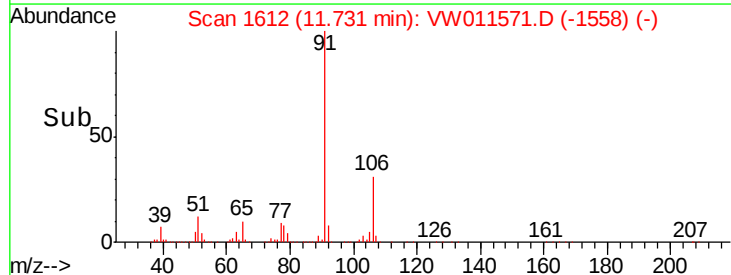
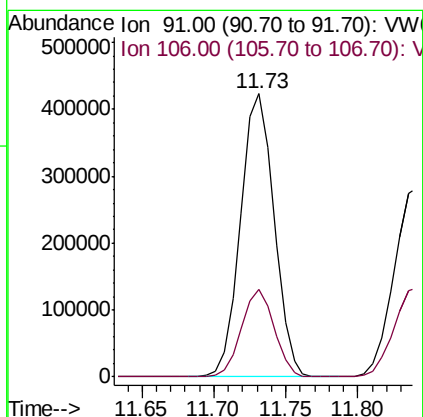
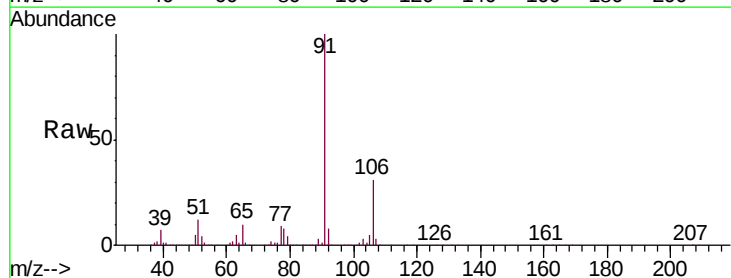
Instrument :
MSVOA_W
ClientSampleId :
VICV04

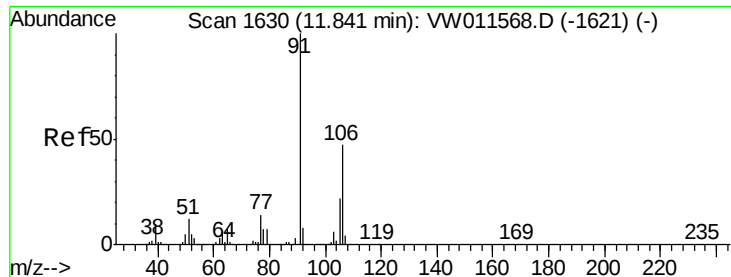
Tgt Ion: 112 Resp: 363705
Ion Ratio Lower Upper
112 100
77 63.2 51.0 76.4
114 32.0 22.4 41.6



#53
Ethylbenzene
Concen: 26.558 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011571.D
Acq: 30 Jul 2019 11:57

Tgt Ion: 91 Resp: 684878
Ion Ratio Lower Upper
91 100
106 30.7 20.6 38.4





#54

m,p-Xylene

Concen: 26.765 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

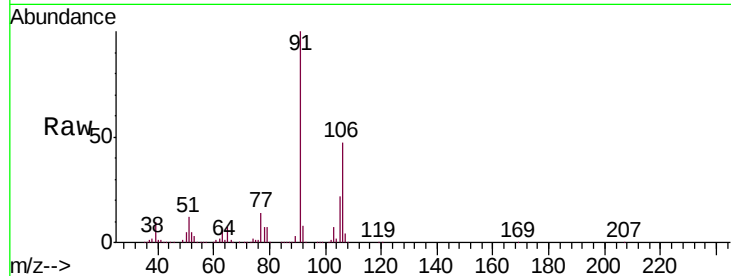
VICV04

Tgt Ion:106 Resp: 250978

Ion Ratio Lower Upper

106 100

91 215.0 149.6 277.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

500000

400000

300000

200000

100000

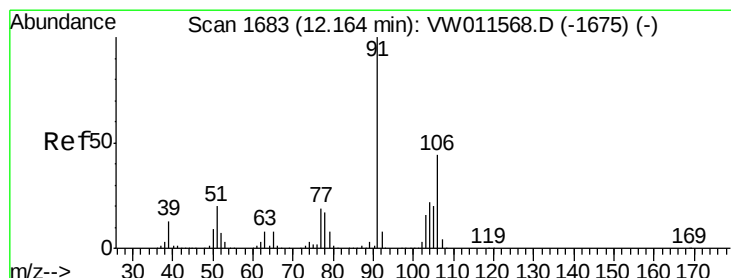
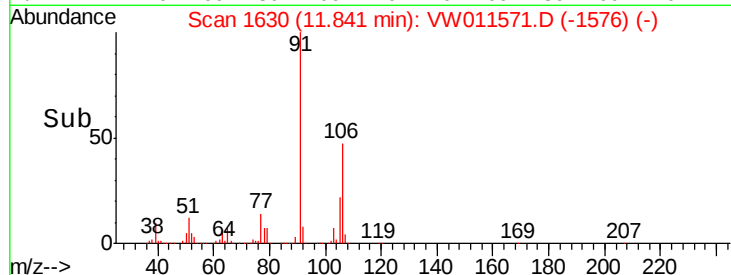
0

11.80

11.84

11.90

Time-->



#55

o-xylene

Concen: 26.983 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW011571.D

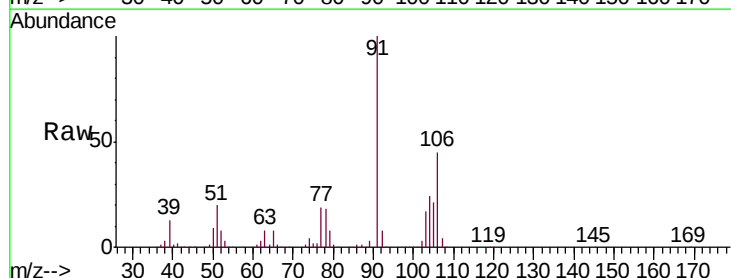
Acq: 30 Jul 2019 11:57

Tgt Ion:106 Resp: 238127

Ion Ratio Lower Upper

106 100

91 224.0 158.3 293.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

200000

100000

0

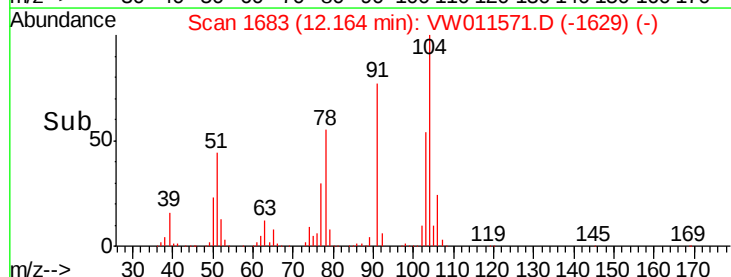
12.10

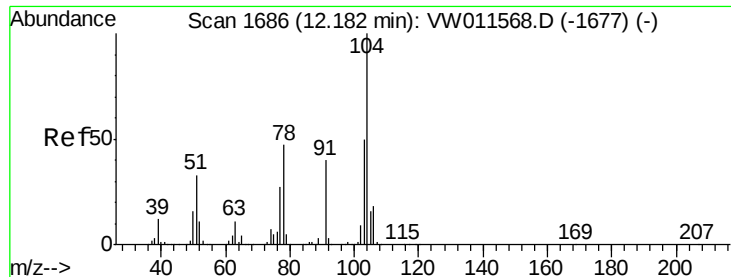
12.16

12.20

12.25

Time-->





#56

Styrene

Concen: 27.292 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampled :

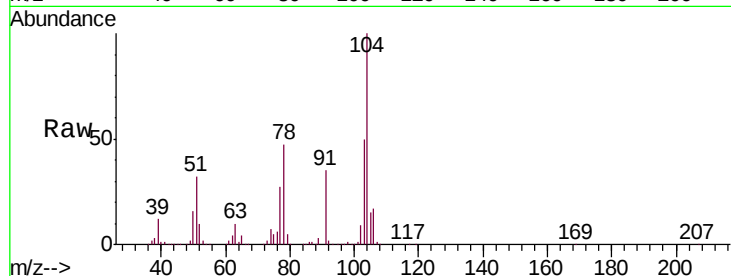
VICV04

Tgt Ion:104 Resp: 409471

Ion Ratio Lower Upper

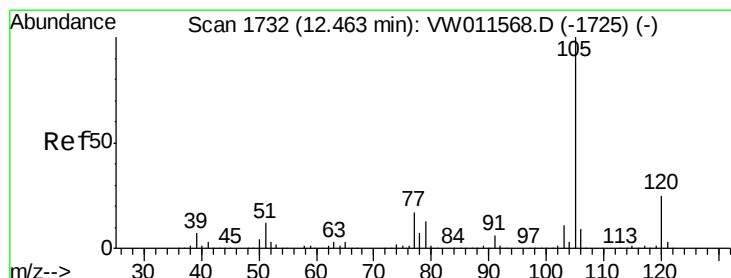
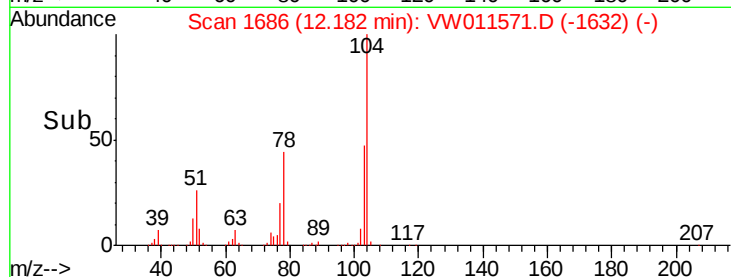
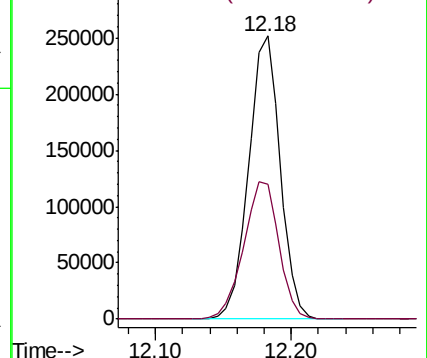
104 100

78 47.5 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 26.876 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

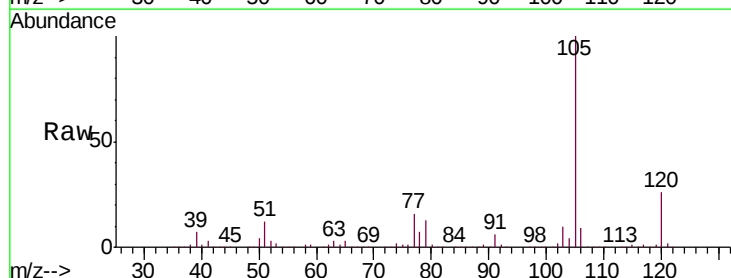
Tgt Ion:105 Resp: 652503

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

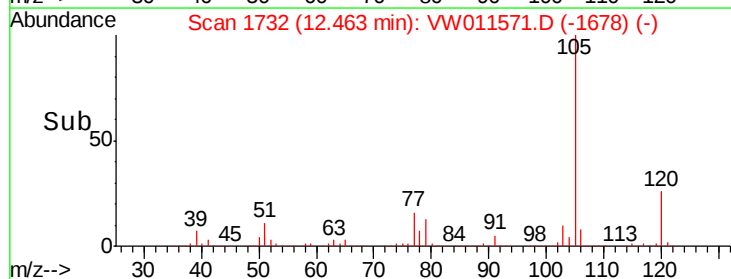
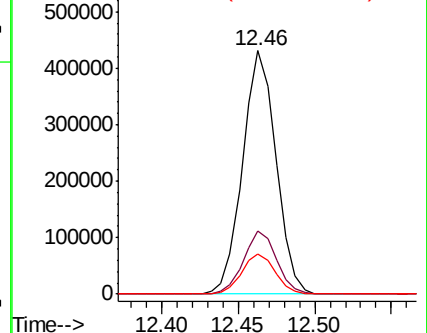
77 16.6 13.4 20.2

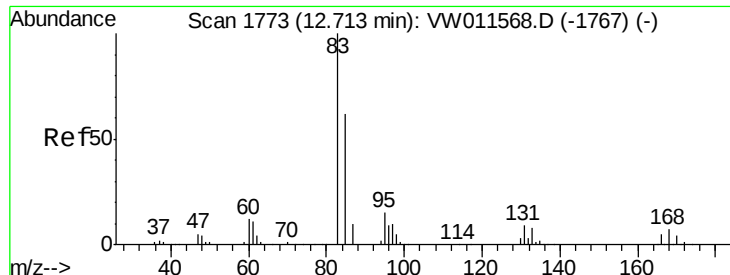


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 26.890 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampled :

VICV04

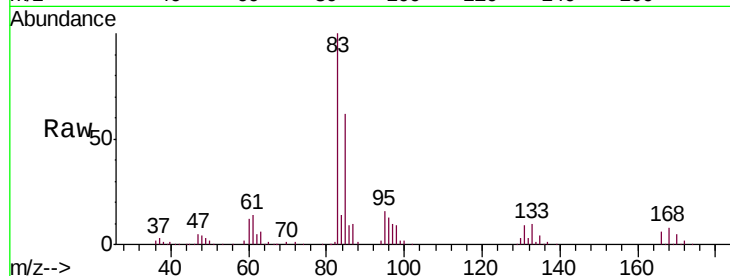
Tgt Ion: 83 Resp: 148014

Ion Ratio Lower Upper

83 100

85 62.5 43.5 80.9

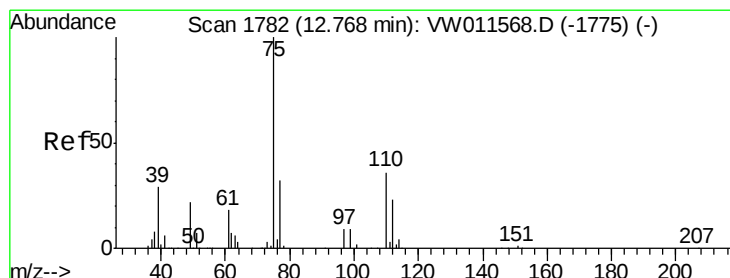
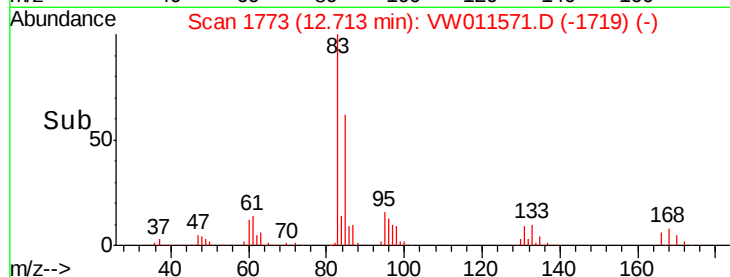
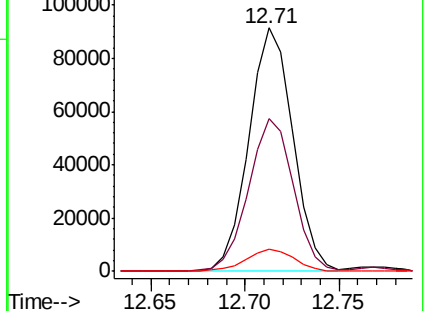
131 9.2 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW



#59

1,2,3-Trichloropropane

Concen: 27.413 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011571.D

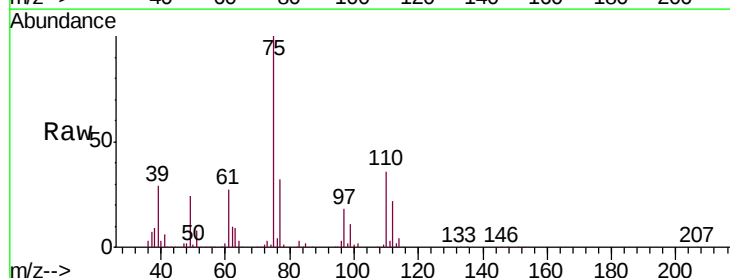
Acq: 30 Jul 2019 11:57

Tgt Ion: 75 Resp: 116383

Ion Ratio Lower Upper

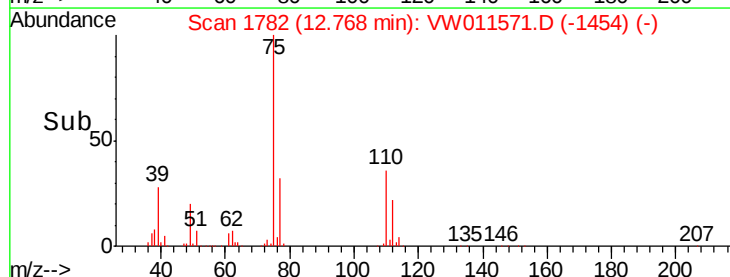
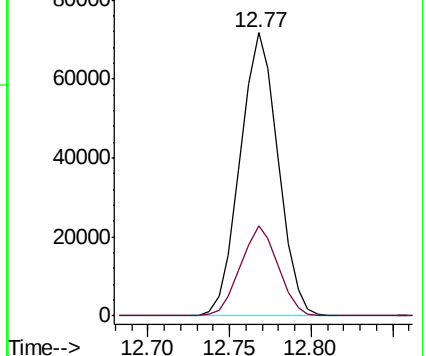
75 100

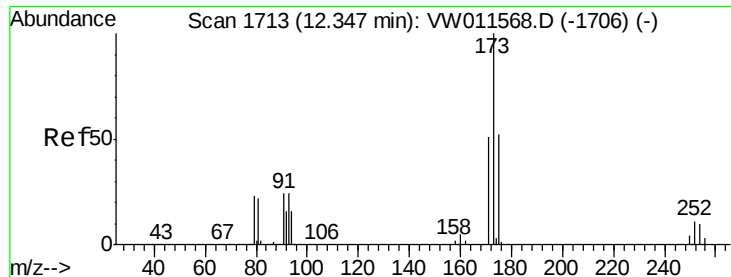
77 31.5 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 26.780 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VICV04

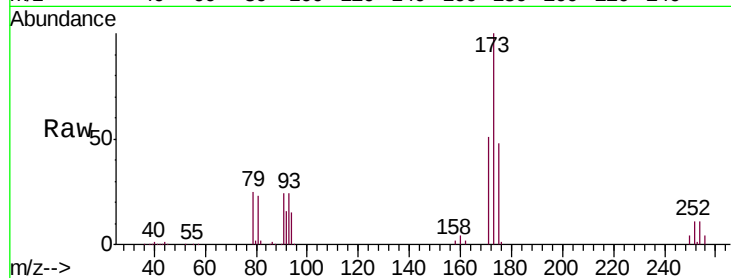
Tgt Ion:173 Resp: 73817

Ion Ratio Lower Upper

173 100

175 49.3 39.4 59.0

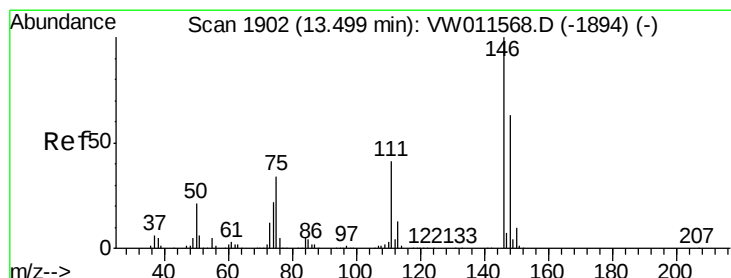
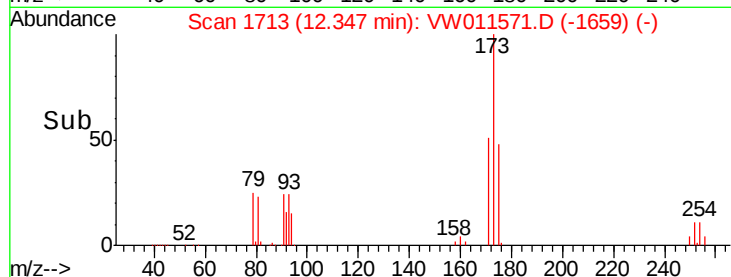
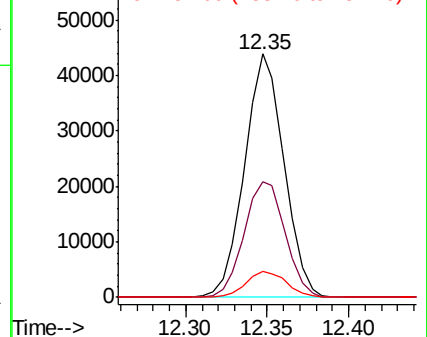
254 10.8 9.0 13.6



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: 26.637 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

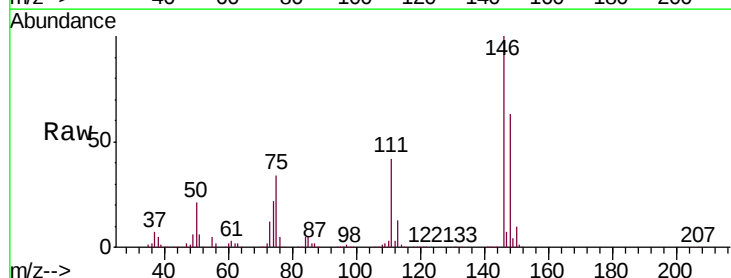
Tgt Ion:146 Resp: 278537

Ion Ratio Lower Upper

146 100

111 42.1 28.6 53.2

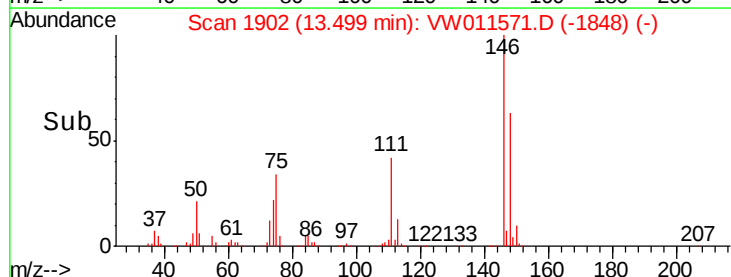
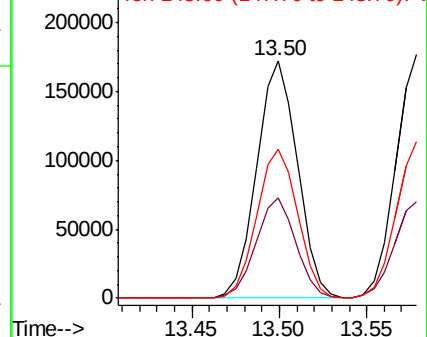
148 62.9 44.4 82.5

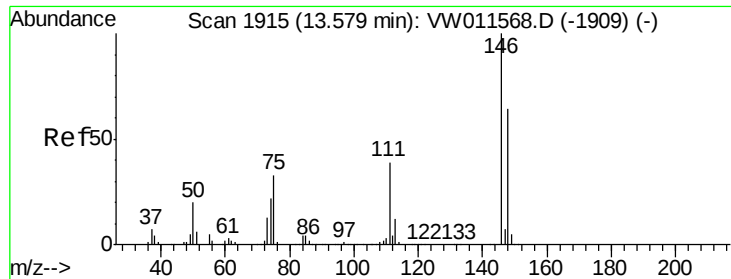


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

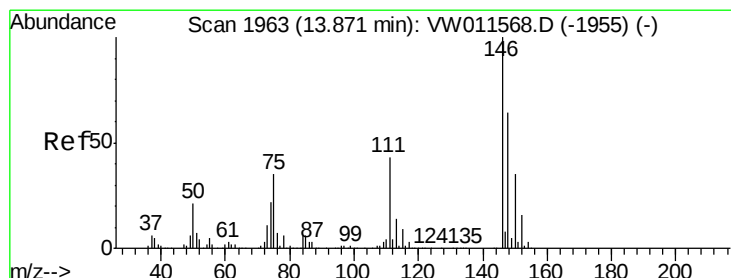
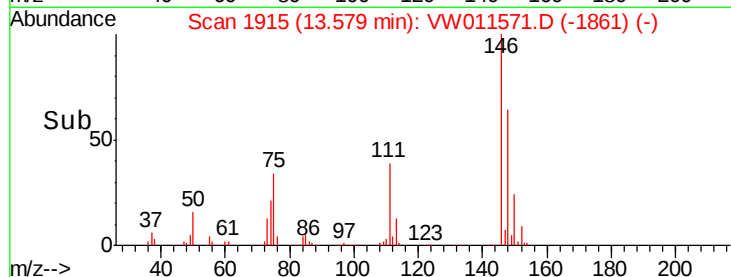
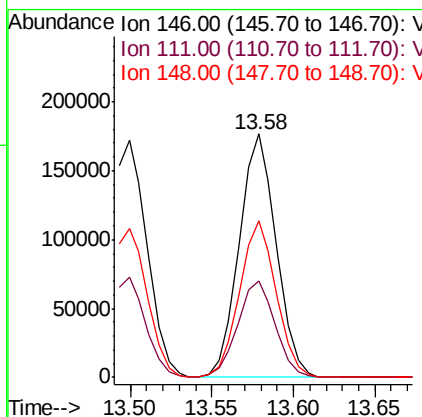
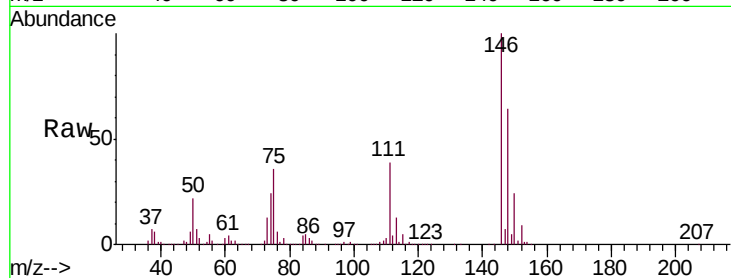




#64
1,4-Dichlorobenzene
Concen: 26.469 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW011571.D
Acq: 30 Jul 2019 11:57

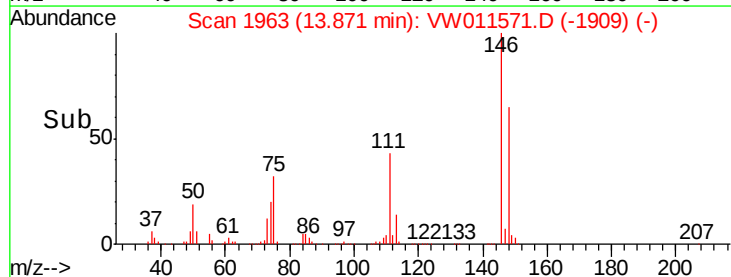
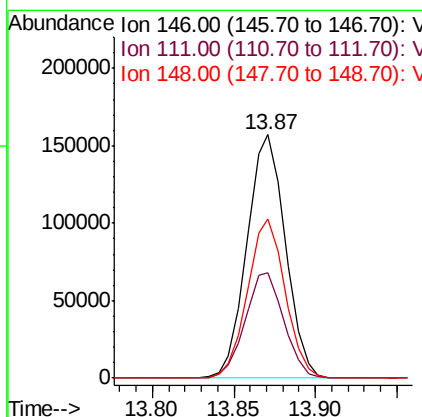
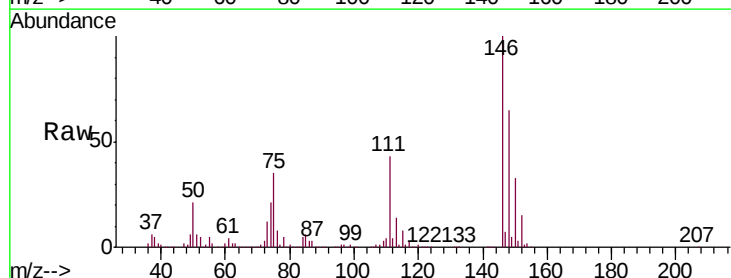
Instrument :
MSVOA_W
ClientSampleId :
VICV04

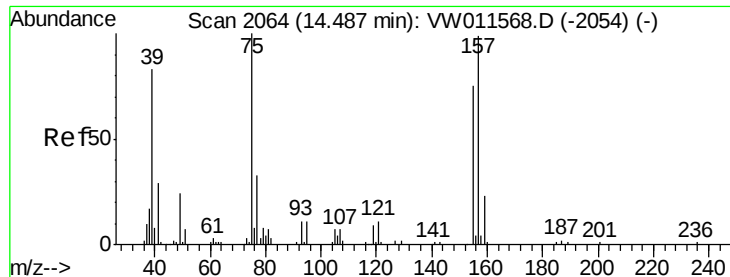
Tgt Ion:146 Resp: 277948
Ion Ratio Lower Upper
146 100
111 39.4 27.4 51.0
148 64.3 44.4 82.5



#65
1,2-Dichlorobenzene
Concen: 27.125 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW011571.D
Acq: 30 Jul 2019 11:57

Tgt Ion:146 Resp: 256844
Ion Ratio Lower Upper
146 100
111 43.0 34.6 51.8
148 65.5 50.9 76.3

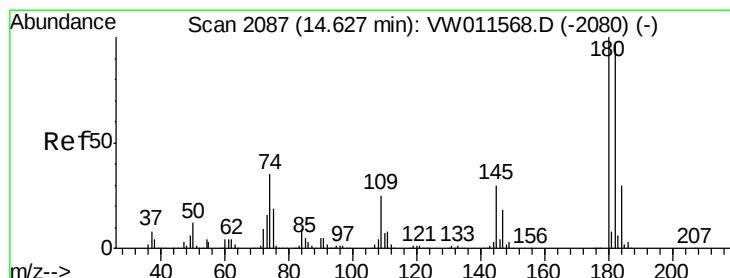
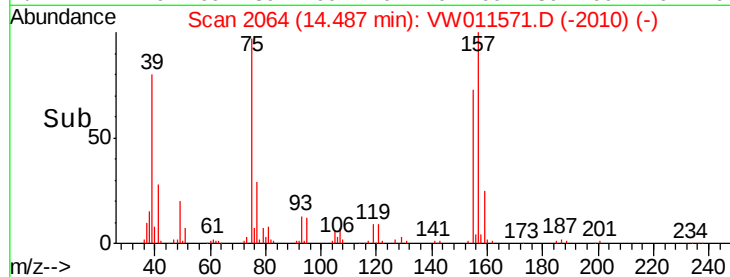
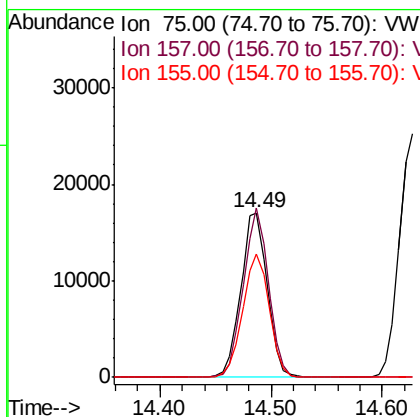
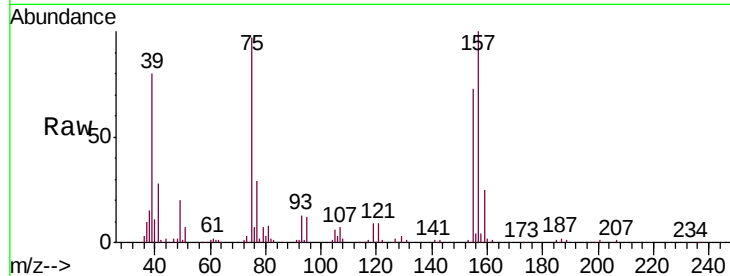




#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.676 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011571.D
 Acq: 30 Jul 2019 11:57

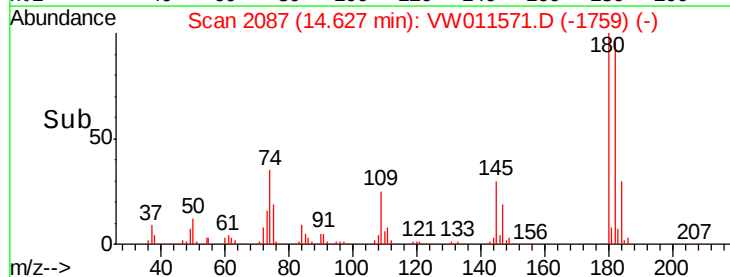
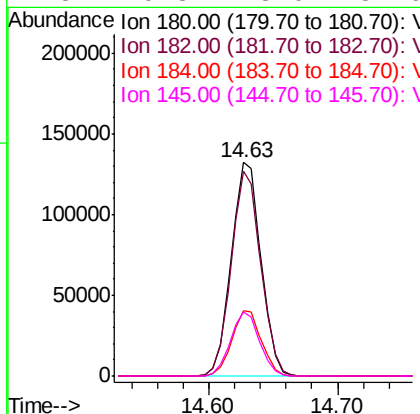
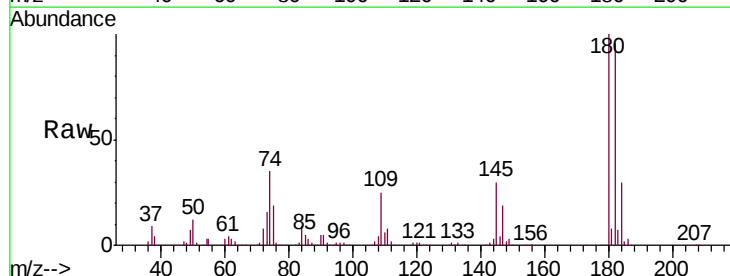
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

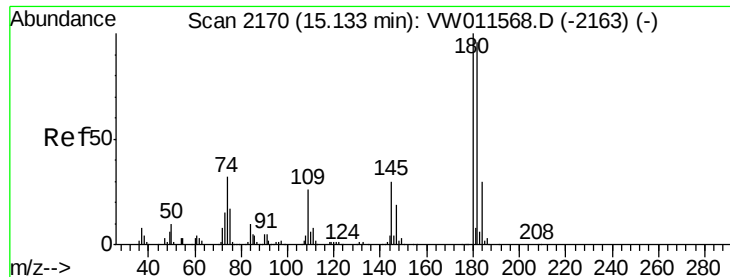
Tgt Ion: 75 Resp: 28103
 Ion Ratio Lower Upper
 75 100
 157 103.1 79.3 118.9
 155 75.0 59.9 89.9



#67
 1,3,5-Trichlorobenzene
 Concen: 27.580 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW011571.D
 Acq: 30 Jul 2019 11:57

Tgt Ion: 180 Resp: 212274
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.9 113.9
 184 30.2 24.2 36.2
 145 29.3 23.0 34.6





#68

1,2,4-trichlorobenzene

Concen: 29.216 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VICV04

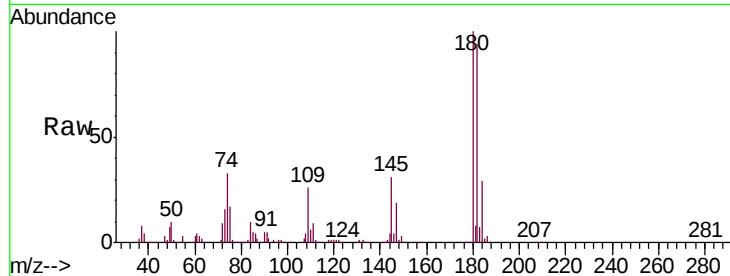
Tgt Ion:180 Resp: 181093

Ion Ratio Lower Upper

180 100

182 95.5 77.3 115.9

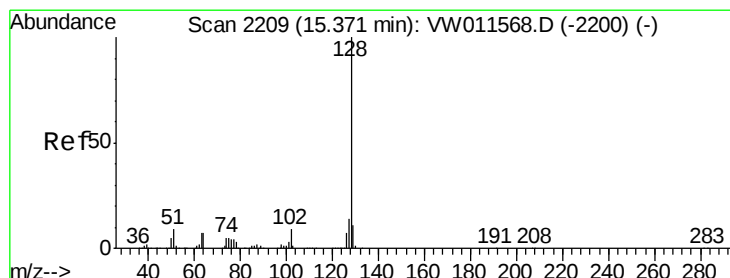
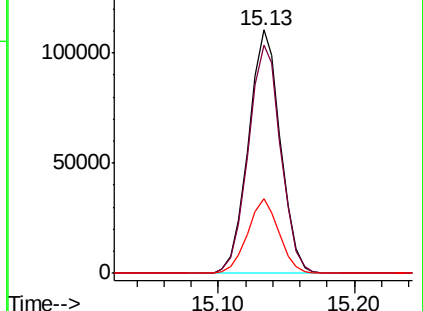
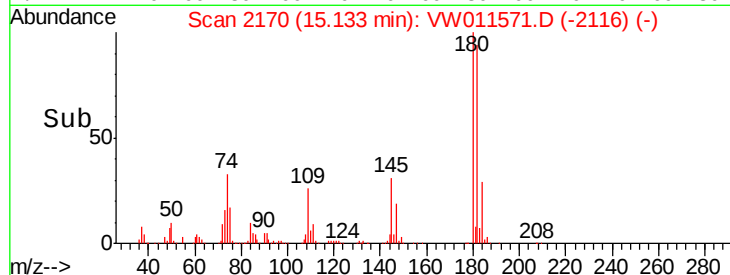
145 30.1 24.3 36.5



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: 31.309 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011571.D

Acq: 30 Jul 2019 11:57

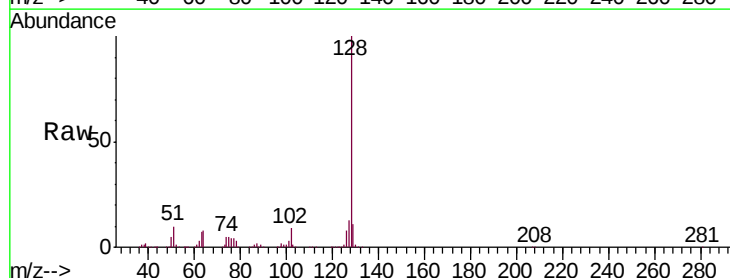
Tgt Ion:128 Resp: 390815

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

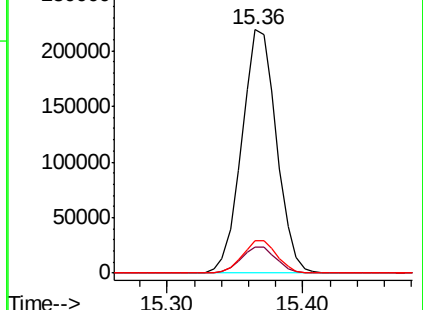
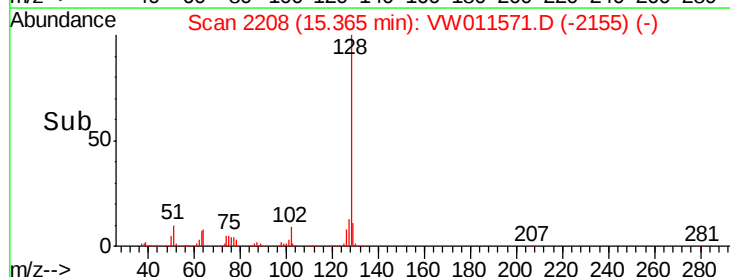
127 13.3 10.6 16.0

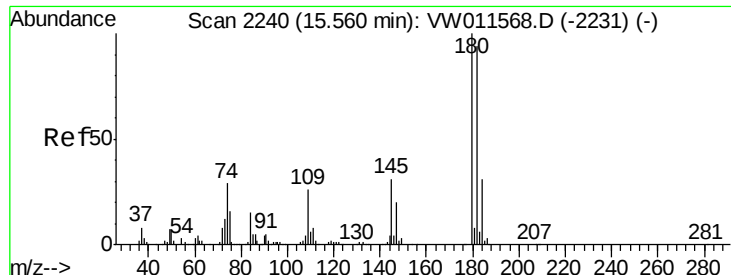


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 29.045 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW011571.D
 Acq: 30 Jul 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	74.9	112.3
145	31.6	25.6	38.4

