

Data File : VW010766.D
Acq On : 11 Jun 2019 12:52
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV18

Quant Time: Jun 12 01:58:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 12:42:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	388640	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	357910	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	174715	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	125204	22.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.48%
7) Chloroethane-d5	2.88	69	97927	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.24%
10) 1,1-Dichloroethene-d2	4.01	63	267107	22.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.04%
20) 2-Butanone-d5	7.07	46	107413	48.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.74%
24) Chloroform-d	7.65	84	209212	26.19	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.76%
26) 1,2-Dichloroethane-d4	8.30	65	159370	24.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.96%
29) Benzene-d6	8.27	84	506979	23.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.92%
33) 1,2-Dichloropropane-d6	9.27	67	166541	24.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.16%
37) Toluene-d8	10.32	98	463171	24.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.48%
38) trans-1,3-Dichloropropene-	10.58	79	77905	25.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.52%
39) 2-Hexanone-d5	10.93	63	84049	51.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	147764	25.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	165356	24.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.44%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	153163	24.611	ug/L	99
3) Chloromethane	2.21	50	172287	24.893	ug/L	99
5) Vinyl chloride	2.35	62	155611	24.524	ug/L	99
6) Bromomethane	2.76	94	75385	26.374	ug/L	98
8) Chloroethane	2.92	64	92301	24.839	ug/L	99
9) Trichlorofluoromethane	3.26	101	206949	24.652	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	117619	23.947	ug/L	99
12) 1,1-Dichloroethene	4.03	96	109099	24.142	ug/L	88
13) Acetone	4.12	43	121845	51.066	ug/L	100
14) Carbon disulfide	4.38	76	315600	23.666	ug/L	100
15) Methyl Acetate	4.67	43	100069	26.123	ug/L	100
16) Methylene chloride	4.92	84	131628	24.681	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	380248	25.411	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	121136	24.042	ug/L	97
19) 1,1-Dichloroethane	6.21	63	261378	24.895	ug/L	100
21) 2-Butanone	7.17	43	156059	47.885	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	143537	25.035	ug/L	96

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Quant Title : VOC Analysis
QLast Update : Tue Jun 11 12:42:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	58565	24.900	ug/L	98
25) Chloroform	7.68	83	289739	23.978	ug/L	100
27) 1,2-Dichloroethane	8.40	62	197024	25.499	ug/L	98
30) Cyclohexane	7.95	56	250122	23.586	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	210394	24.597	ug/L	100
32) Carbon tetrachloride	8.07	117	175451	24.600	ug/L	99
34) Benzene	8.32	78	541224	24.585	ug/L	100
35) Trichloroethene	9.09	95	135958	24.100	ug/L	100
36) Methylcyclohexane	9.34	83	236363	23.781	ug/L	100
40) 1,2-Dichloropropane	9.37	63	154915	25.247	ug/L	100
41) Bromodichloromethane	9.65	83	188056	26.028	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	236921	25.224	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	309067	52.424	ug/L	100
44) Toluene	10.39	91	570596	24.748	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	207114	26.187	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	112231	25.694	ug/L	99
47) Tetrachloroethene	10.86	164	101487	24.007	ug/L	98
49) 2-Hexanone	10.97	43	234165	53.582	ug/L	100
50) Dibromochloromethane	11.13	129	128026	26.447	ug/L	100
51) 1,2-Dibromoethane	11.24	107	104425	24.968	ug/L	99
52) Chlorobenzene	11.66	112	359356	24.999	ug/L	99
53) Ethylbenzene	11.73	91	655558	24.844	ug/L	99
54) m,p-Xylene	11.84	106	236374	24.858	ug/L	99
55) o-xylene	12.16	106	232991	25.269	ug/L	100
56) Styrene	12.18	104	412199	25.690	ug/L	99
57) Isopropylbenzene	12.47	105	636805	25.224	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	154566	26.410	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	122466	26.470	ug/L	100
62) Bromoform	12.35	173	78042	26.337	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	283270	25.127	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	286907	25.147	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	268270	25.436	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	29223	26.284	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	222307	25.983	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	196142	27.470	ug/L	98
69) Naphthalene	15.37	128	436743	28.930	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	177406	27.731	ug/L	99

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

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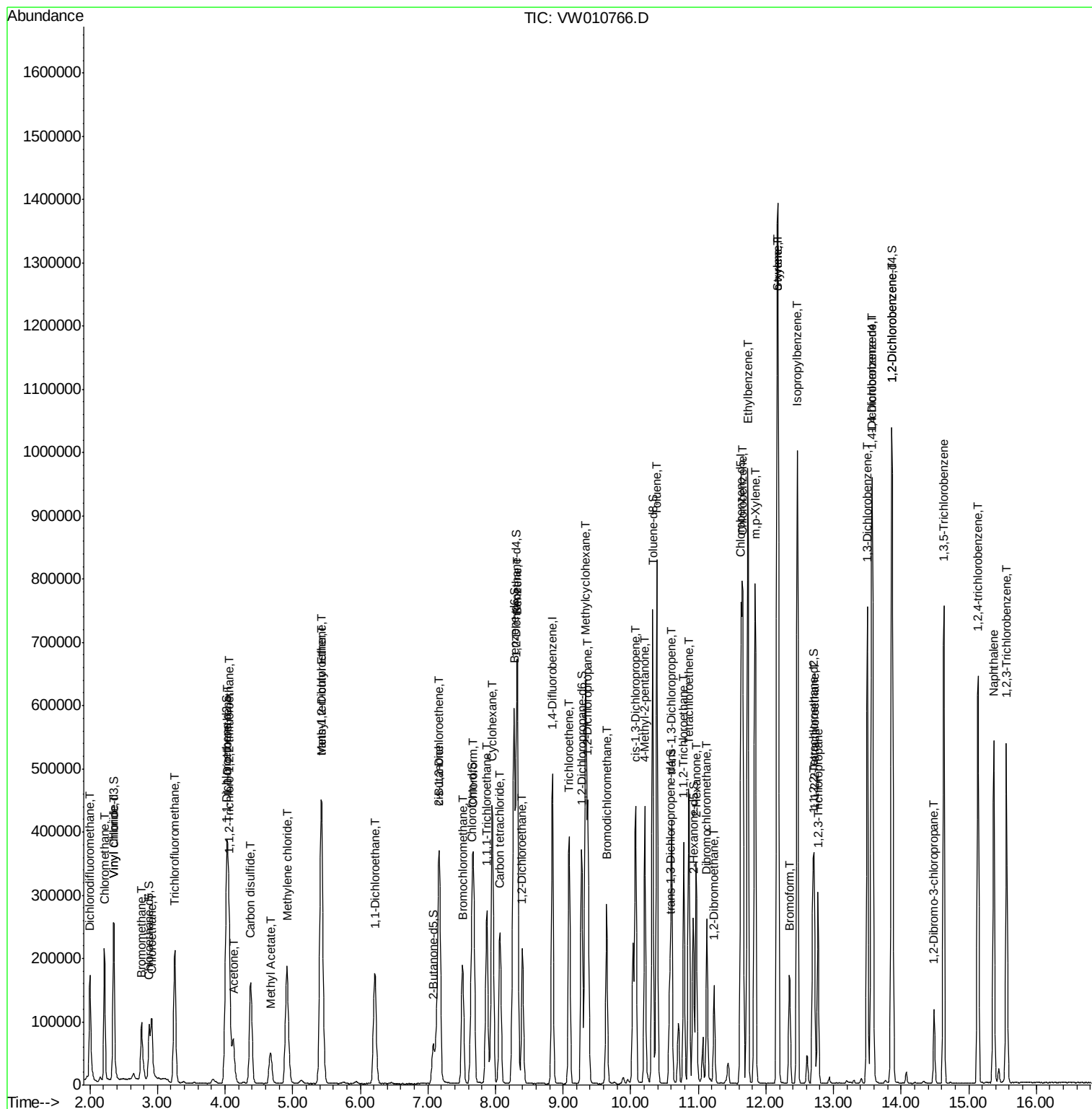
Quant Time: Jun 12 01:58:53 2019

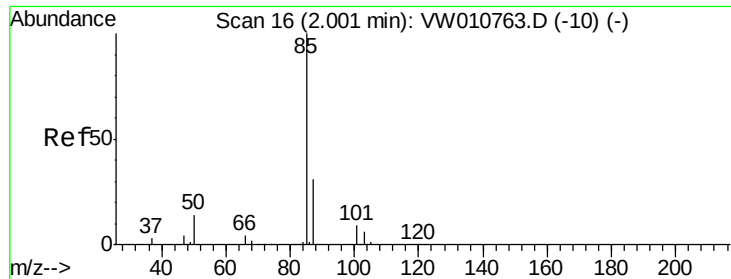
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 24.611 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

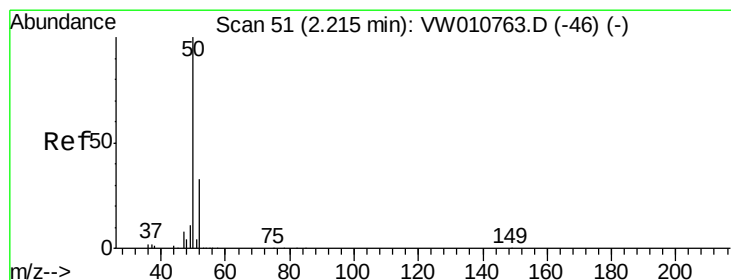
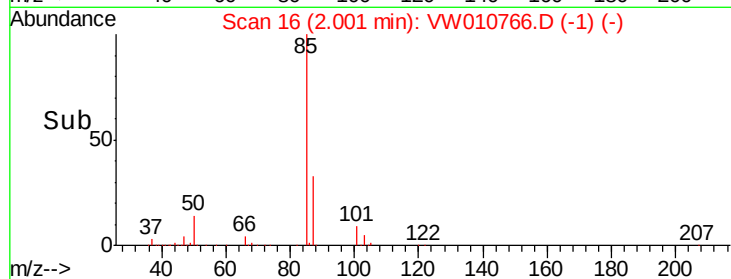
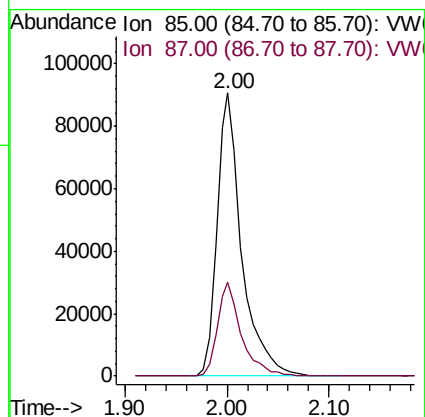
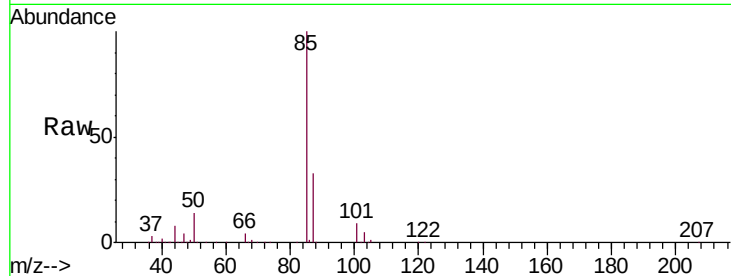
VICV18

Tgt Ion: 85 Resp: 153163

Ion Ratio Lower Upper

85 100

87 32.3 22.4 41.6



#3

Chloromethane

Concen: 24.893 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010766.D

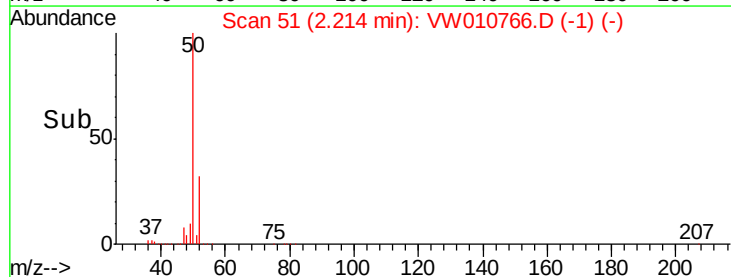
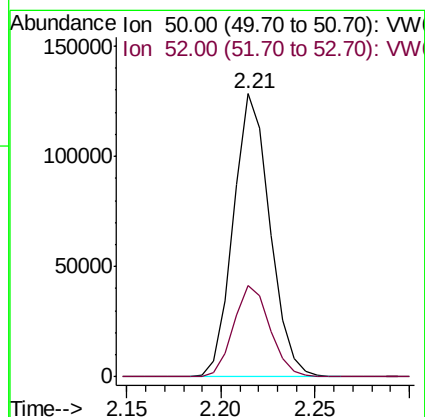
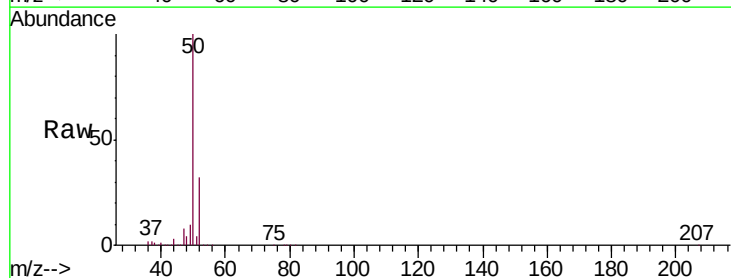
Acq: 11 Jun 2019 12:52

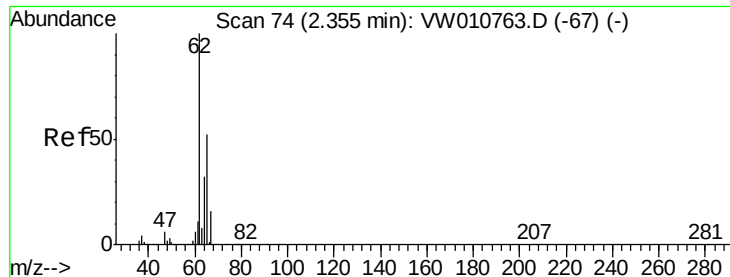
Tgt Ion: 50 Resp: 172287

Ion Ratio Lower Upper

50 100

52 32.2 22.8 42.4





#5

Vinyl chloride

Concen: 24.524 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

Instrument :

MSVOA_W

ClientSampled :

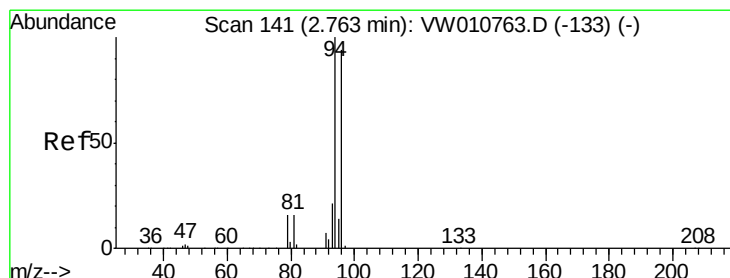
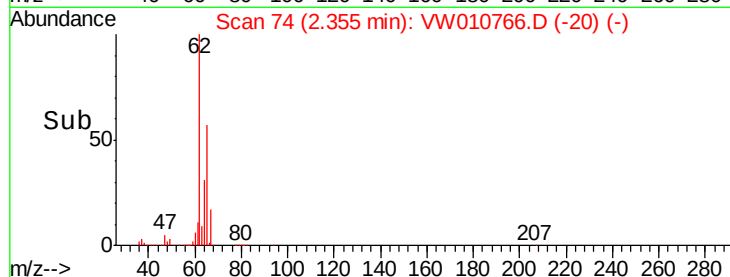
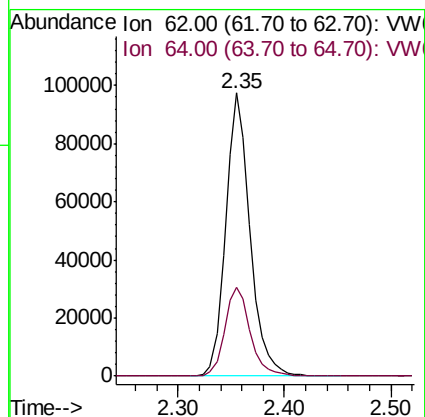
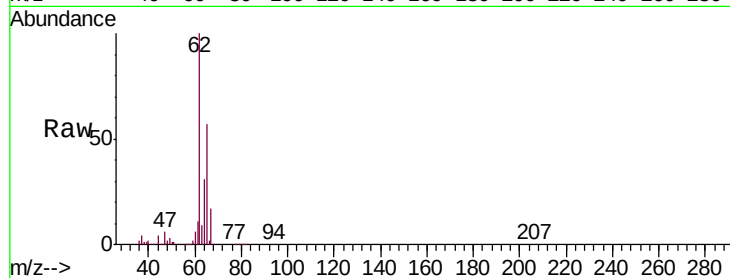
VICV18

Tgt Ion: 62 Resp: 155611

Ion Ratio Lower Upper

62 100

64 31.3 22.4 41.6



#6

Bromomethane

Concen: 26.374 ug/L

RT: 2.76 min Scan# 141

Delta R.T. -0.00 min

Lab File: VW010766.D

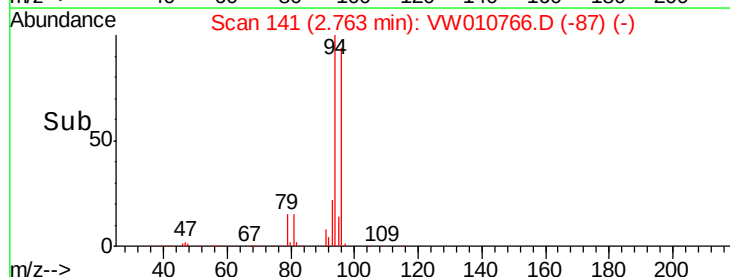
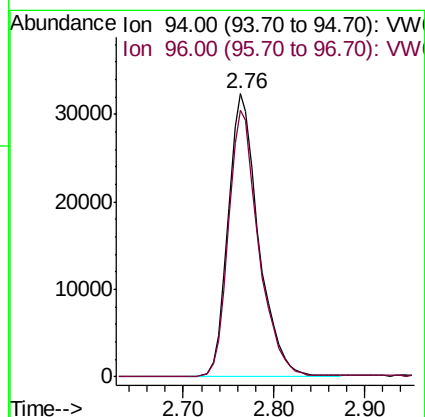
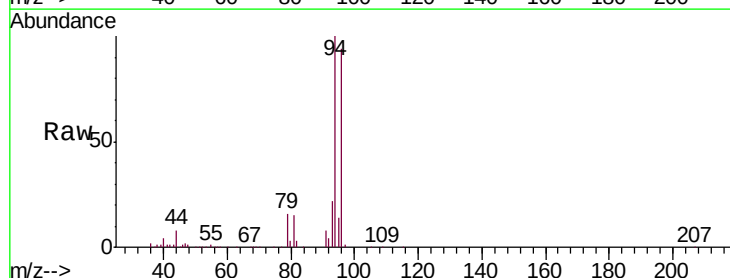
Acq: 11 Jun 2019 12:52

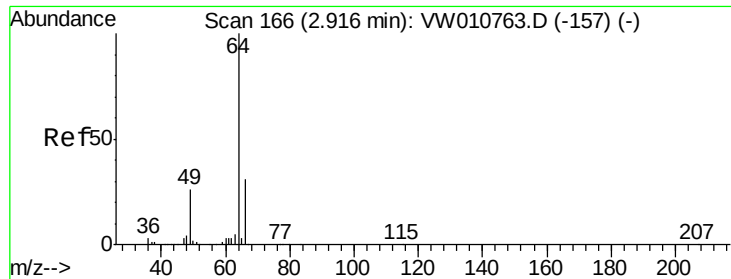
Tgt Ion: 94 Resp: 75385

Ion Ratio Lower Upper

94 100

96 93.0 9.5 180.7





#8

Chloroethane

Concen: 24.839 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

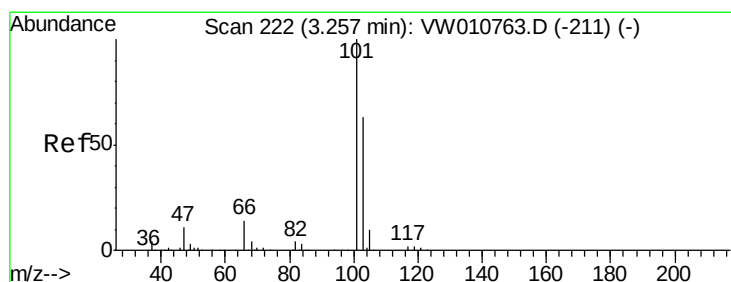
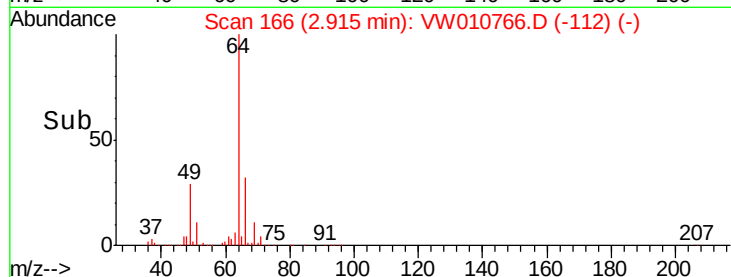
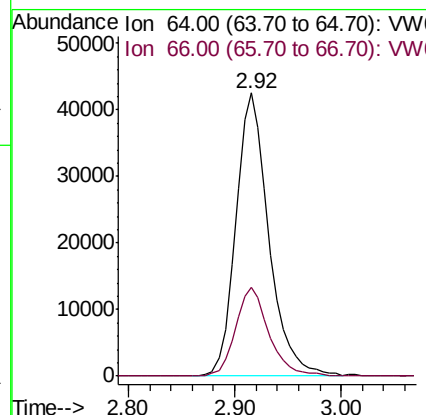
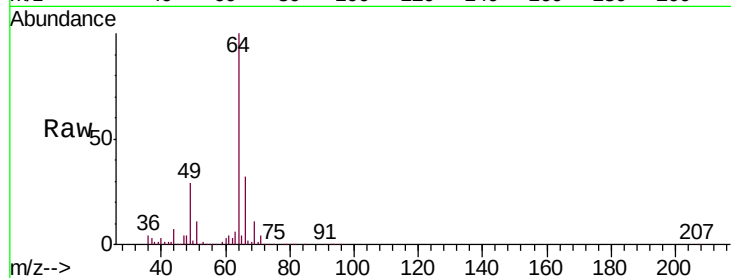
VICV18

Tgt Ion: 64 Resp: 92301

Ion Ratio Lower Upper

64 100

66 31.6 21.8 40.4



#9

Trichlorofluoromethane

Concen: 24.652 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW010766.D

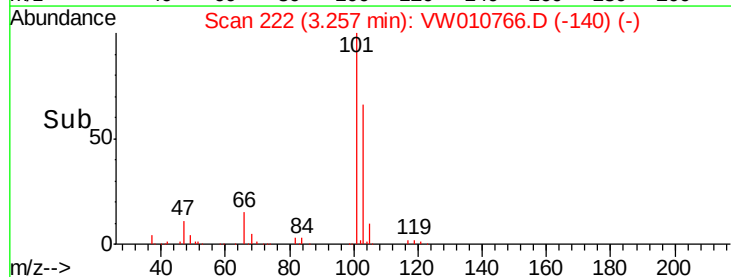
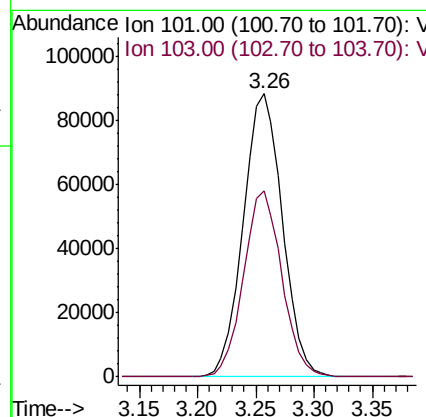
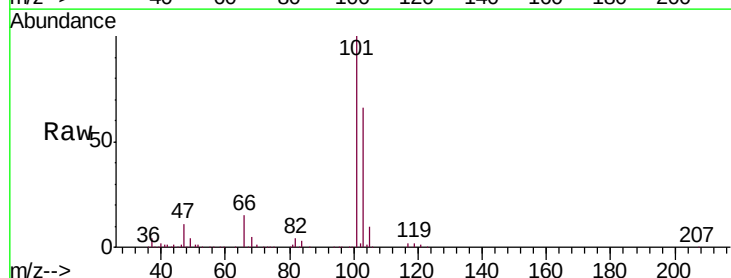
Acq: 11 Jun 2019 12:52

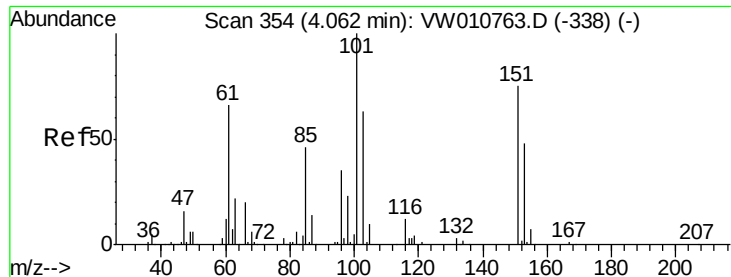
Tgt Ion: 101 Resp: 206949

Ion Ratio Lower Upper

101 100

103 64.1 45.1 83.7





#11

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

Concen: 23.947 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

Instrument :

MSVOA_W

ClientSampled :

VICV18

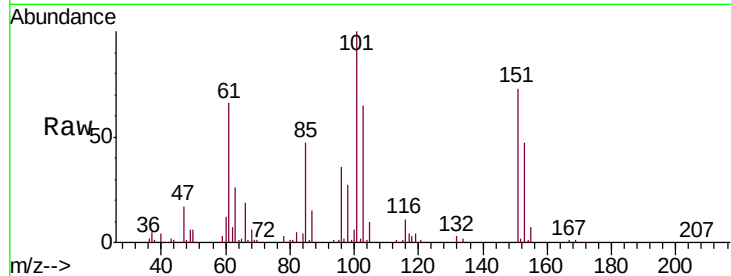
Tgt Ion:101 Resp: 117619

Ion Ratio Lower Upper

101 100

85 44.4 35.9 53.9

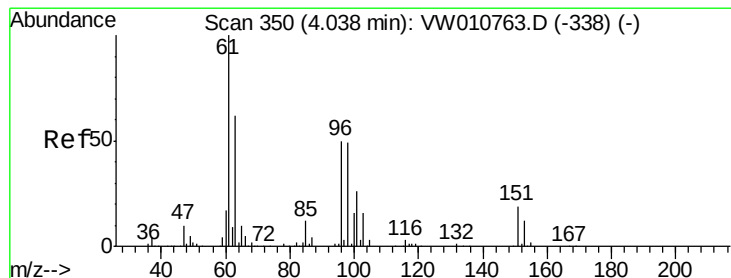
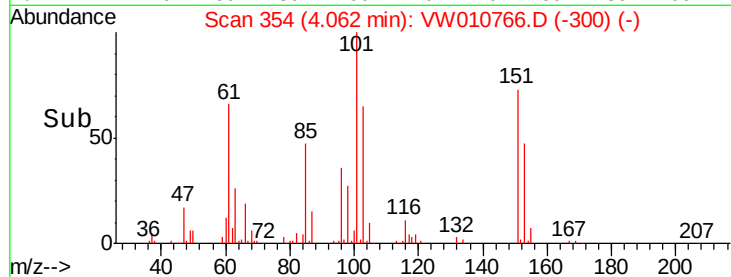
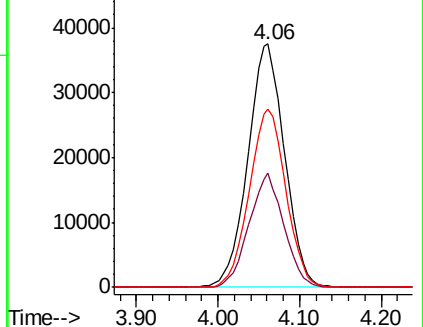
151 72.8 58.6 88.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.142 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

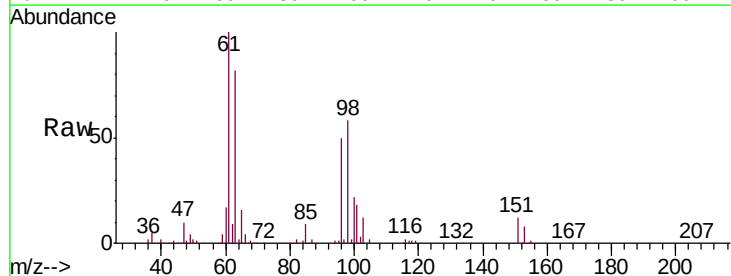
Tgt Ion: 96 Resp: 109099

Ion Ratio Lower Upper

96 100

61 199.2 139.9 259.7

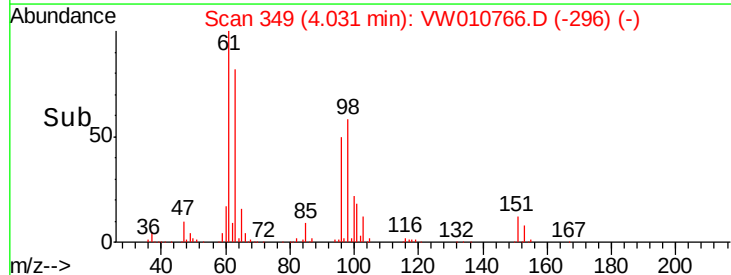
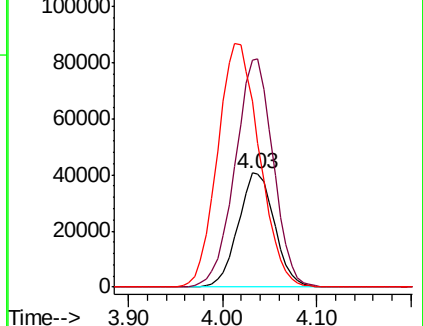
63 163.3 89.2 165.8

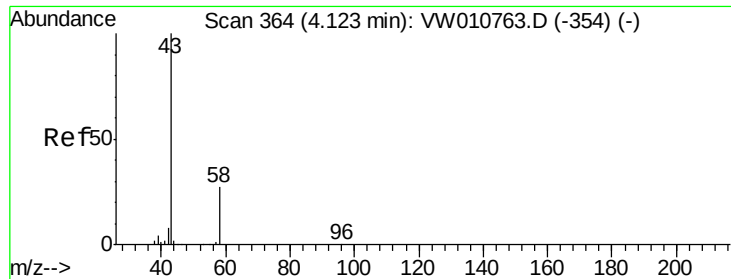


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.066 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

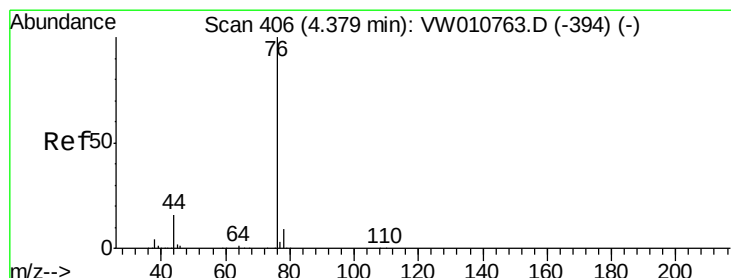
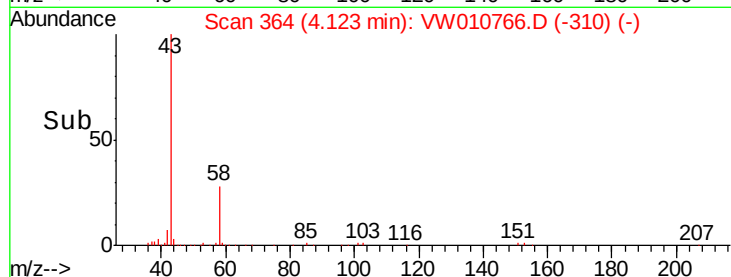
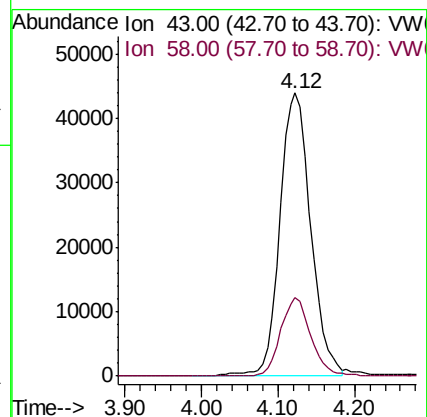
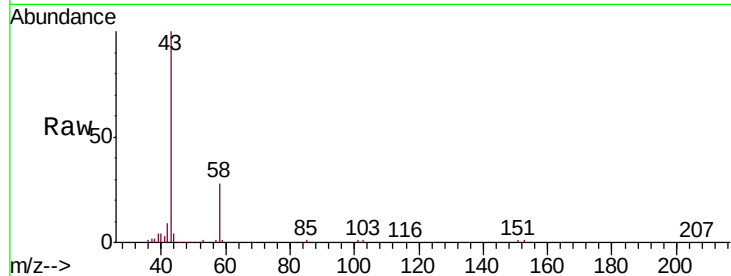
VICV18

Tgt Ion: 43 Resp: 121845

Ion Ratio Lower Upper

43 100

58 27.2 0.0 54.6



#14

Carbon disulfide

Concen: 23.666 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW010766.D

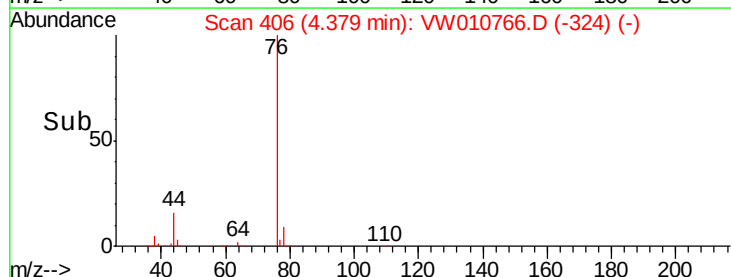
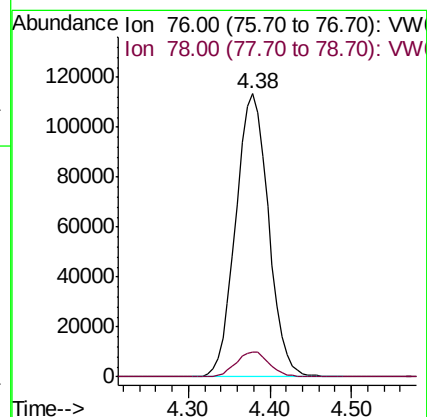
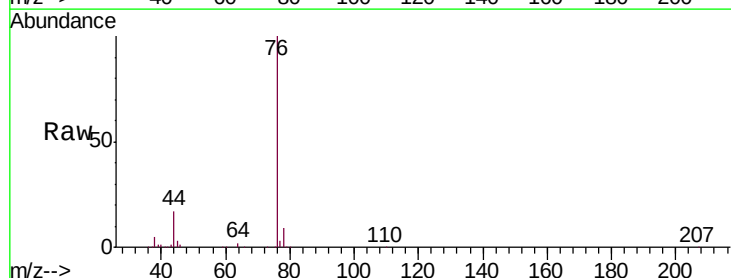
Acq: 11 Jun 2019 12:52

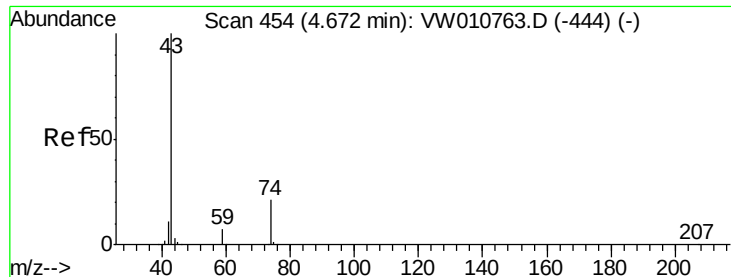
Tgt Ion: 76 Resp: 315600

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4





#15

Methyl Acetate

Concen: 26.123 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

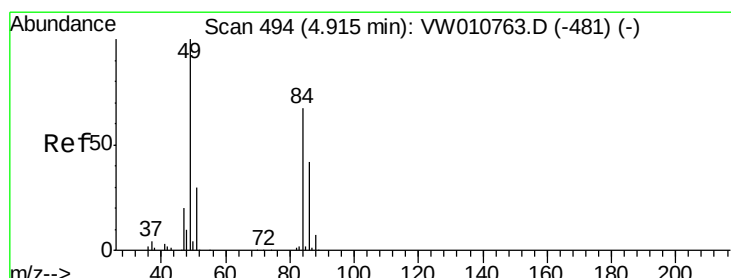
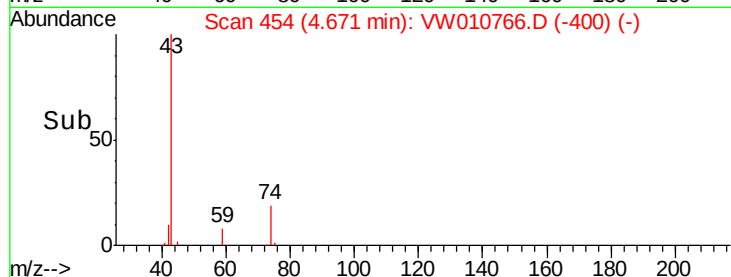
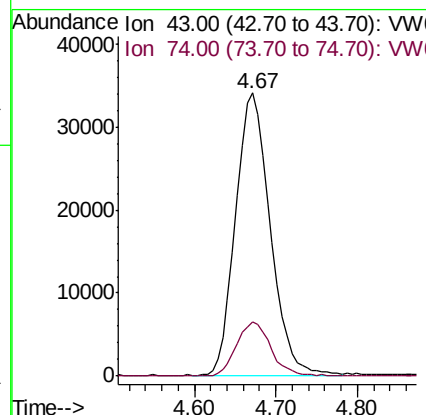
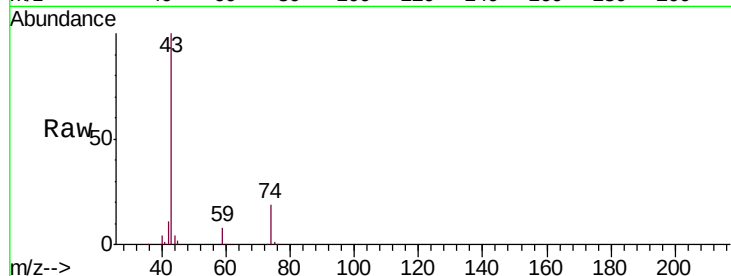
VICV18

Tgt Ion: 43 Resp: 100069

Ion Ratio Lower Upper

43 100

74 18.8 15.0 22.6



#16

Methylene chloride

Concen: 24.681 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

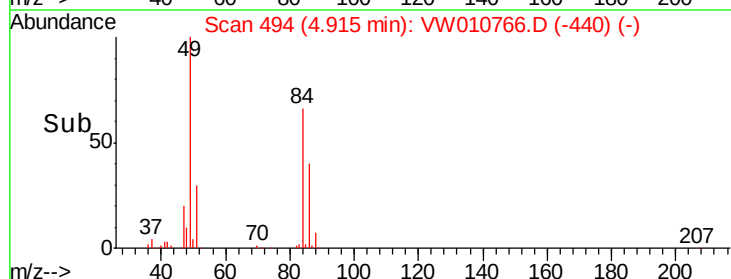
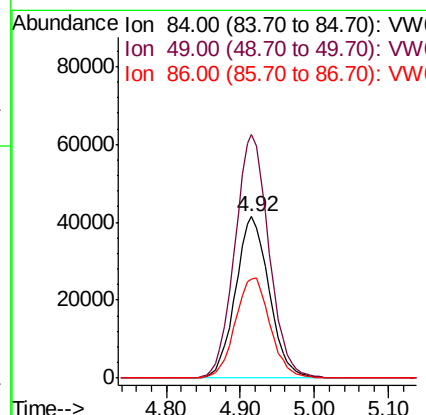
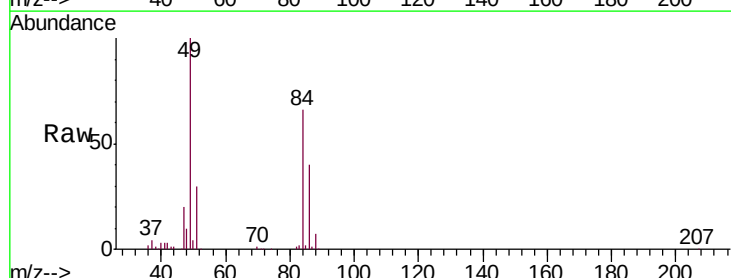
Tgt Ion: 84 Resp: 131628

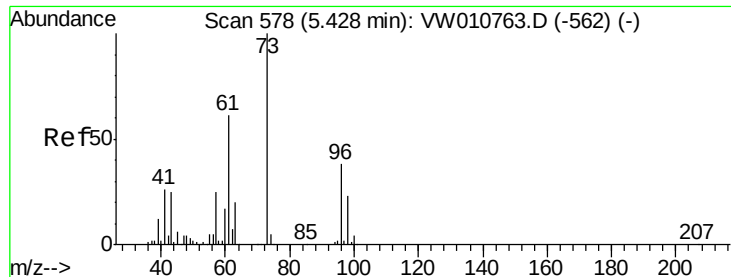
Ion Ratio Lower Upper

84 100

49 150.8 105.2 195.4

86 61.0 43.7 81.1

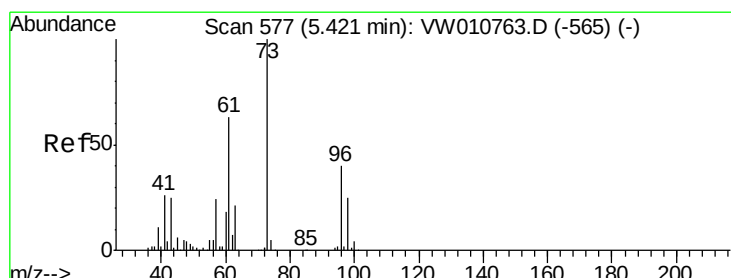
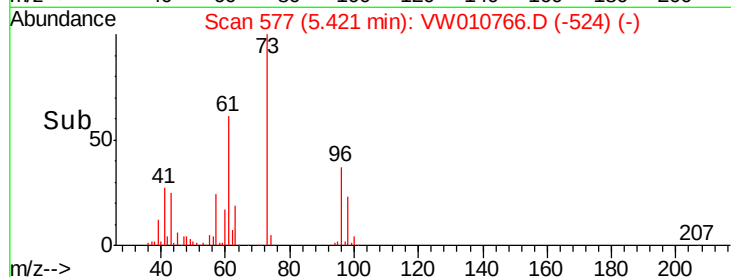
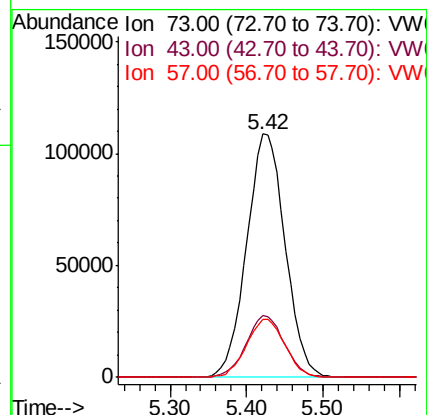
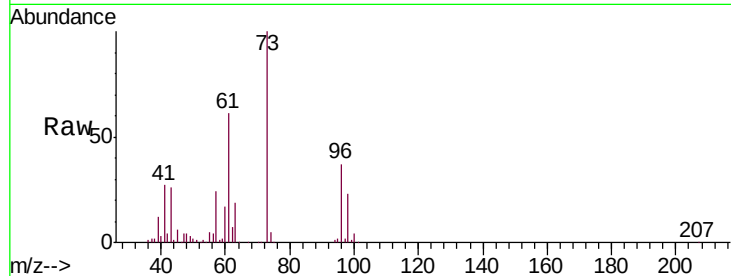




#17
Methyl tert-butyl Ether
Concen: 25.411 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010766.D
Acq: 11 Jun 2019 12:52

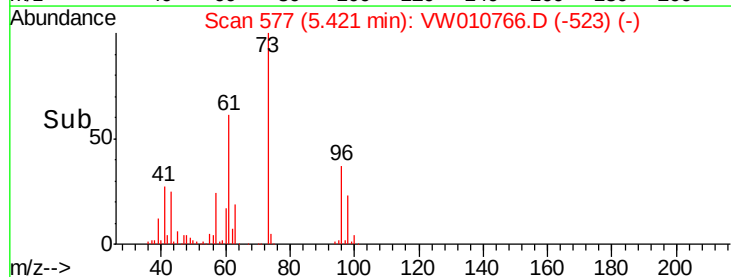
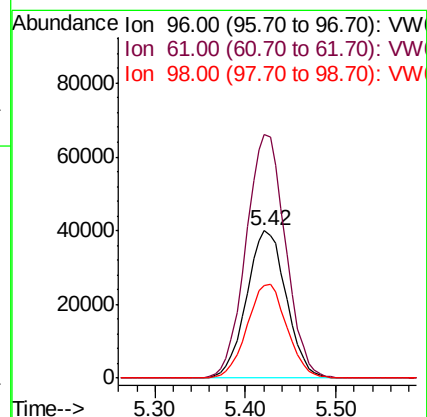
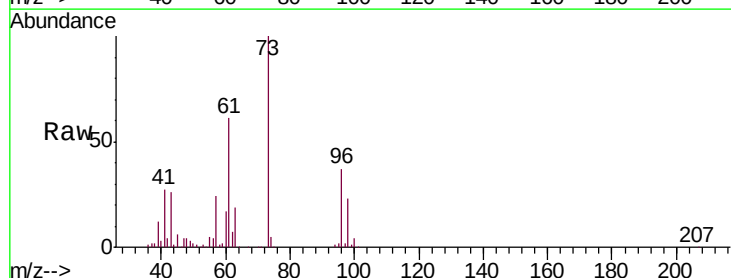
Instrument :
MSVOA_W
ClientSampleId :
VICV18

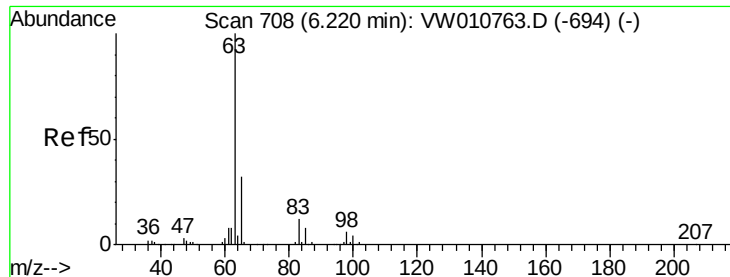
Tgt Ion: 73 Resp: 380248
Ion Ratio Lower Upper
73 100
43 25.2 19.8 29.6
57 23.8 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 24.042 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010766.D
Acq: 11 Jun 2019 12:52

Tgt Ion: 96 Resp: 121136
Ion Ratio Lower Upper
96 100
61 165.3 111.5 207.1
98 63.3 44.1 81.9

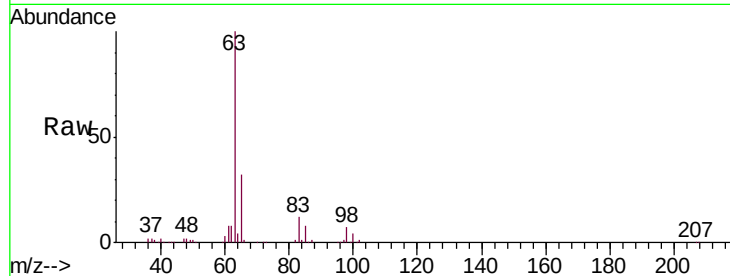




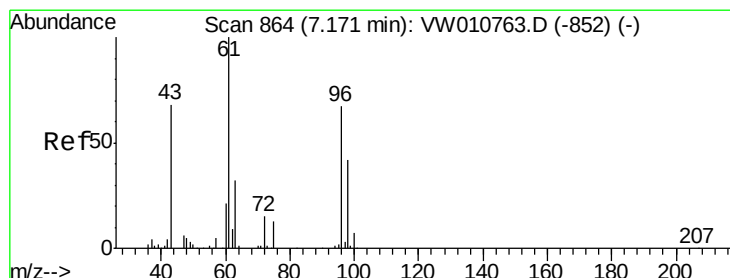
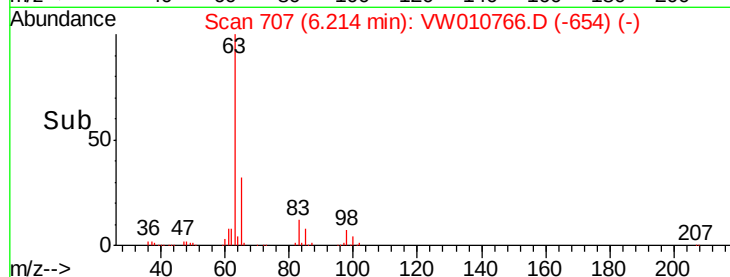
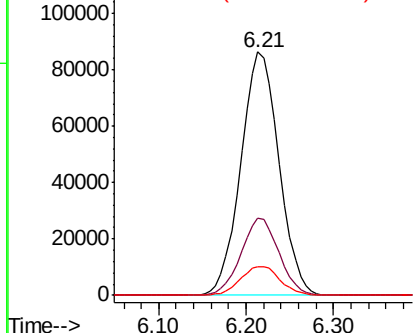
#19
 1,1-Dichloroethane
 Concen: 24.895 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW010766.D
 Acq: 11 Jun 2019 12:52

Instrument :
 MSVOA_W
 ClientSampleID :
 VICV18

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.2	41.2
83	11.8	8.6	16.0

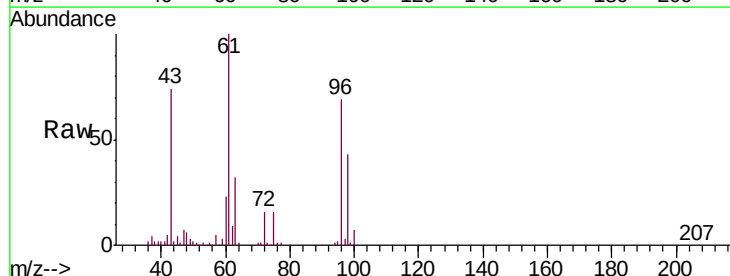


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

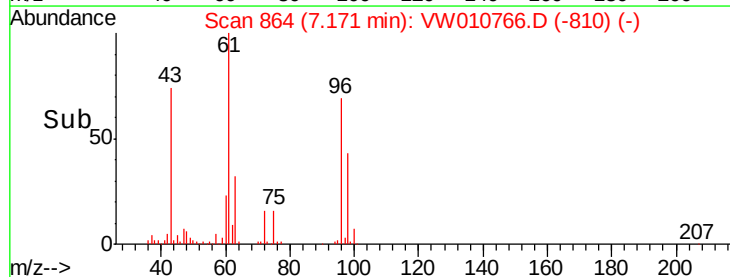
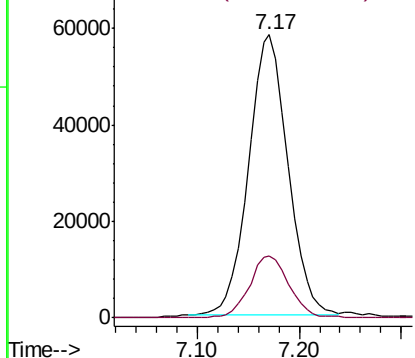


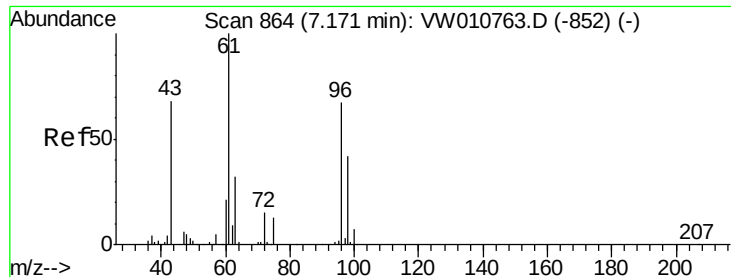
#21
 2-Butanone
 Concen: 47.885 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010766.D
 Acq: 11 Jun 2019 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.3	11.0	33.0



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW



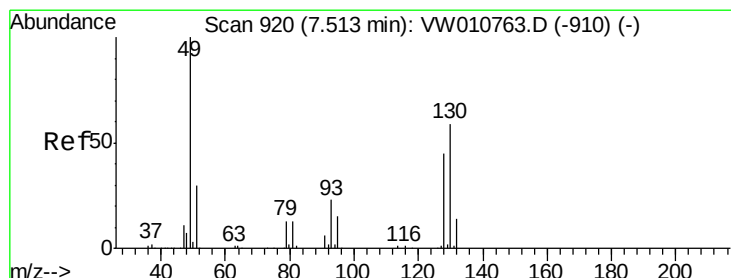
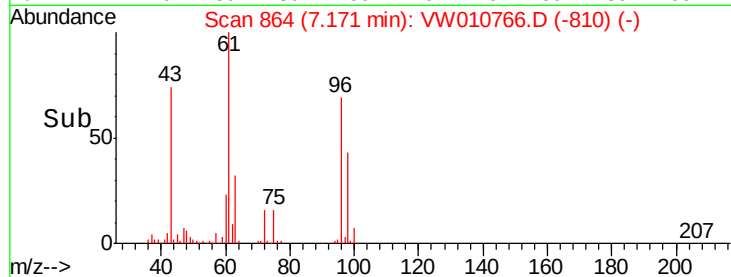
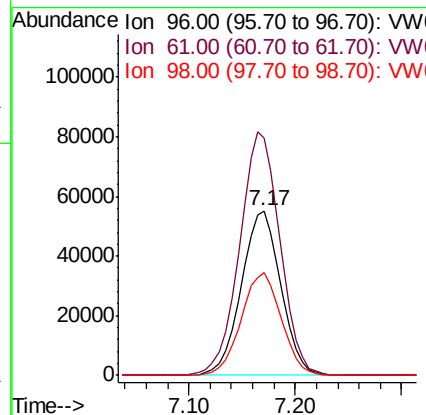
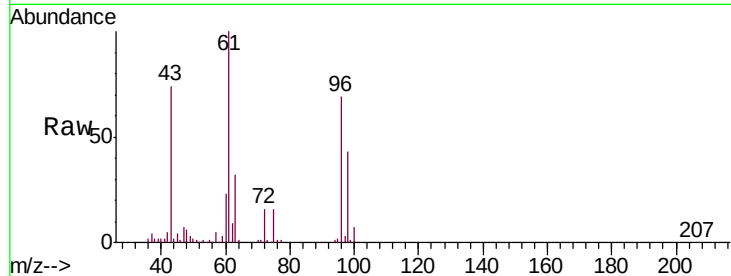


#22

cis-1,2-Dichloroethene
Concen: 25.035 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010766.D
Acq: 11 Jun 2019 12:52

Instrument :
MSVOA_W
ClientSampled :
VICV18

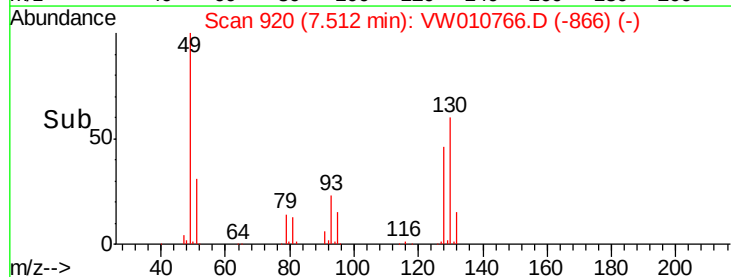
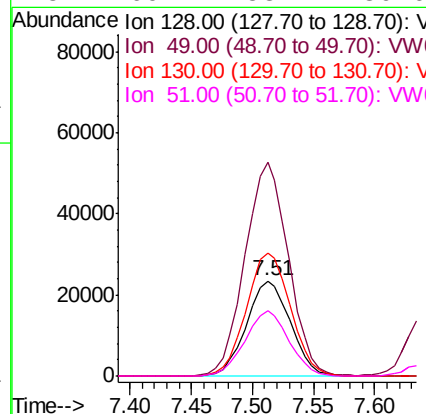
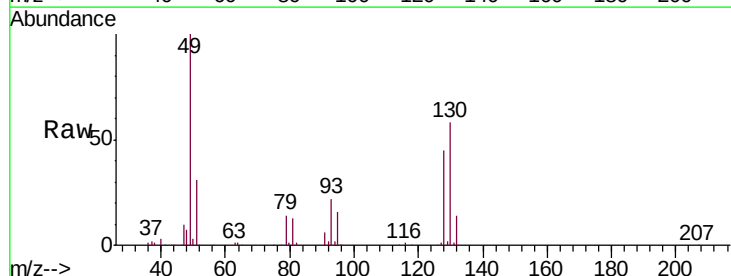
Tgt Ion: 96 Resp: 143537
Ion Ratio Lower Upper
96 100
61 144.3 105.3 195.6
98 62.7 44.6 82.8

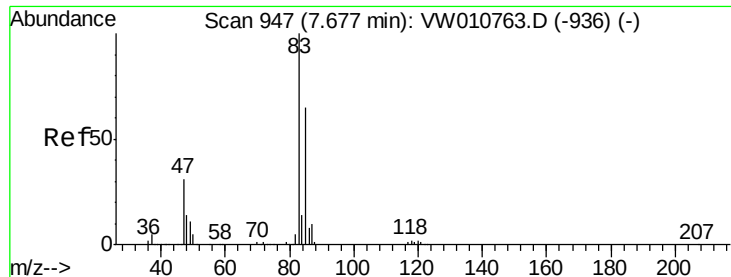


#23

Bromochloromethane
Concen: 24.900 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010766.D
Acq: 11 Jun 2019 12:52

Tgt Ion: 128 Resp: 58565
Ion Ratio Lower Upper
128 100
49 224.0 155.1 288.1
130 129.1 91.3 169.6
51 69.2 53.4 80.0

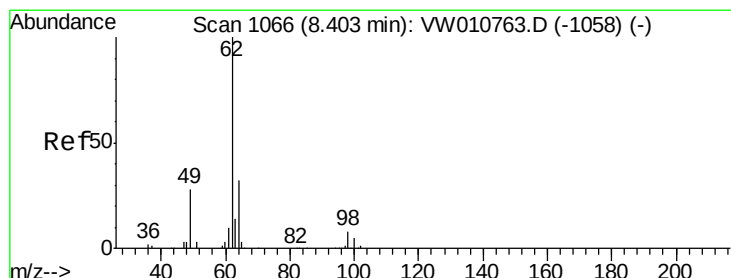
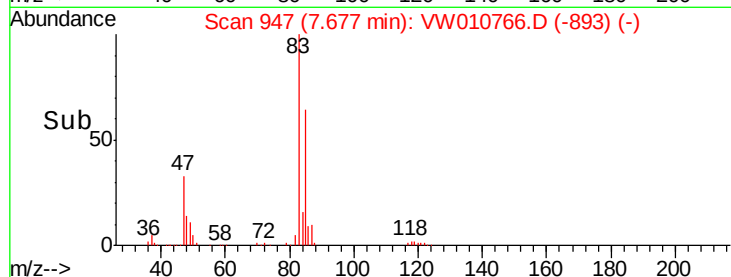
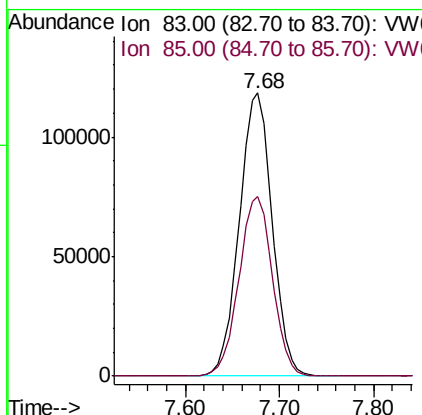
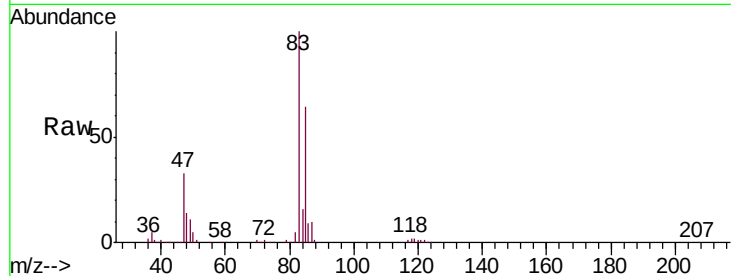




#25
Chloroform
Concen: 23.978 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010766.D
Acq: 11 Jun 2019 12:52

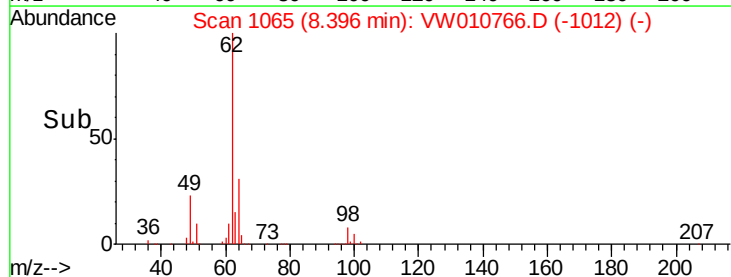
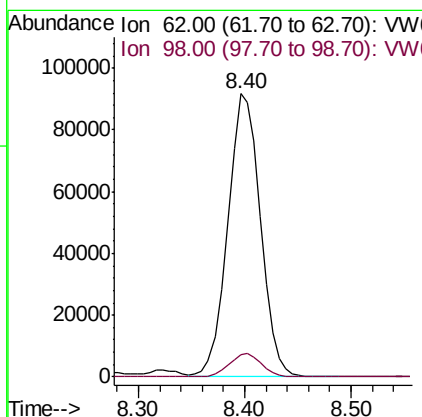
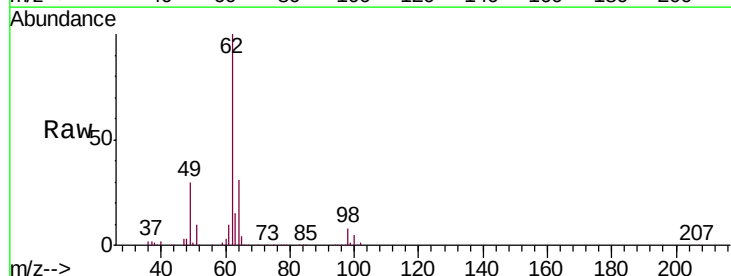
Instrument :
MSVOA_W
ClientSampleId :
VICV18

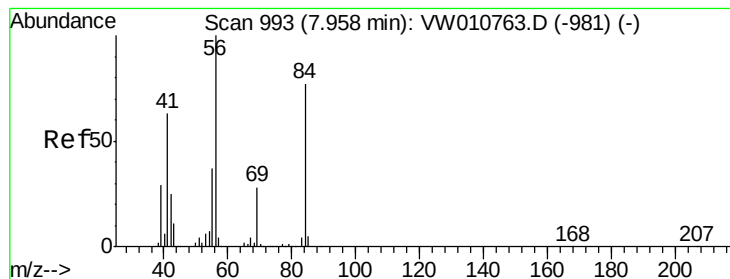
Tgt Ion: 83 Resp: 289739
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 25.499 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW010766.D
Acq: 11 Jun 2019 12:52

Tgt Ion: 62 Resp: 197024
Ion Ratio Lower Upper
62 100
98 7.7 6.6 10.0





#30

Cyclohexane

Concen: 23.586 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

Instrument :

MSVOA_W

ClientSampled :

VICV18

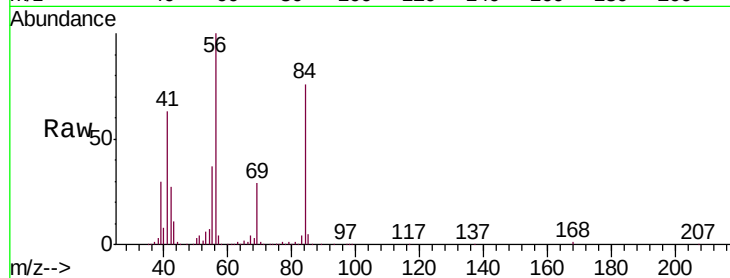
Tgt Ion: 56 Resp: 250122

Ion Ratio Lower Upper

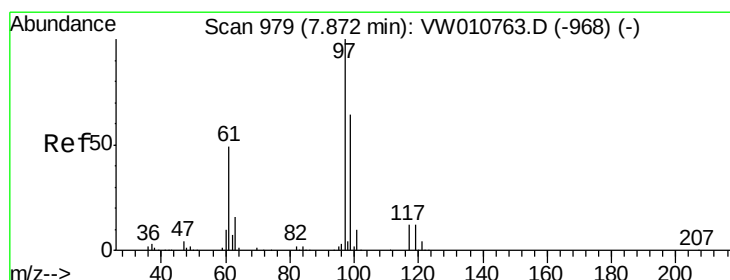
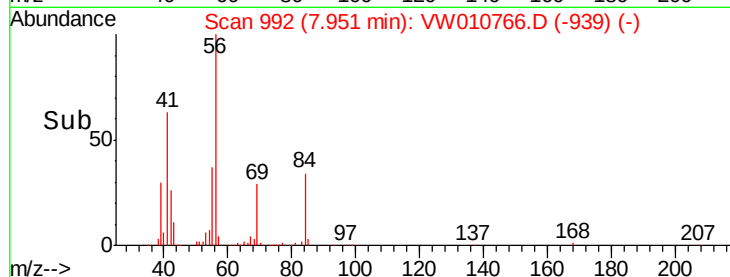
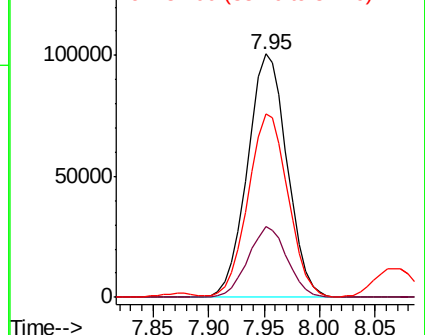
56 100

69 28.6 22.6 33.8

84 75.8 61.1 91.7



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



#31

1,1,1-Trichloroethane

Concen: 24.597 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

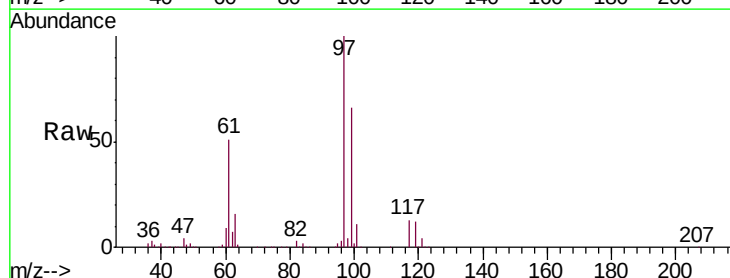
Tgt Ion: 97 Resp: 210394

Ion Ratio Lower Upper

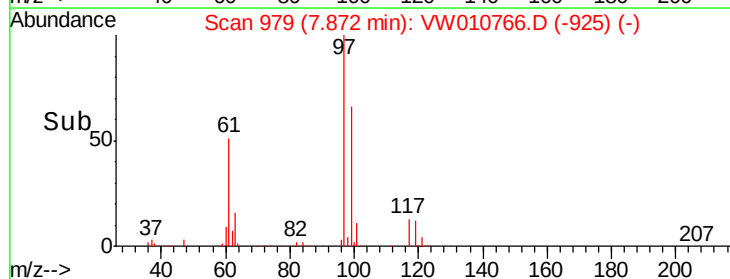
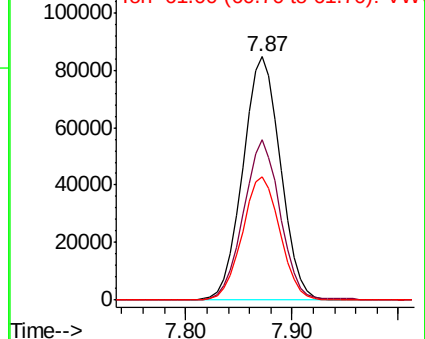
97 100

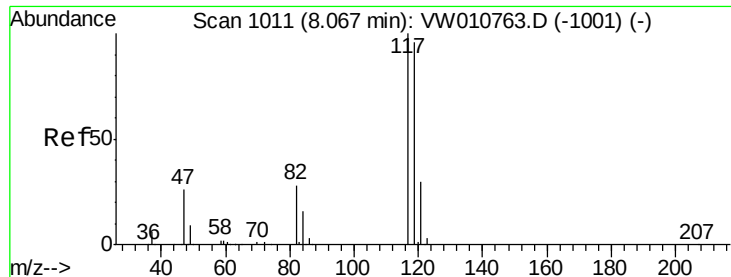
99 64.1 51.0 76.4

61 50.7 40.4 60.6



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: 24.600 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

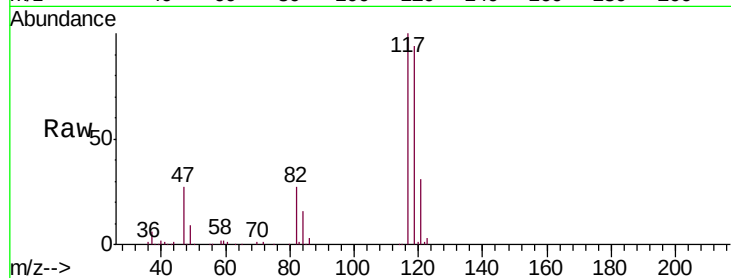
VICV18

Tgt Ion:117 Resp: 175451

Ion Ratio Lower Upper

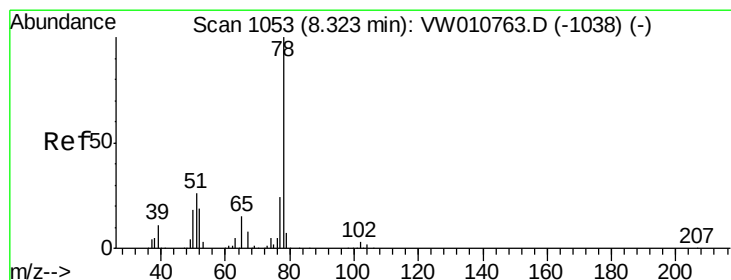
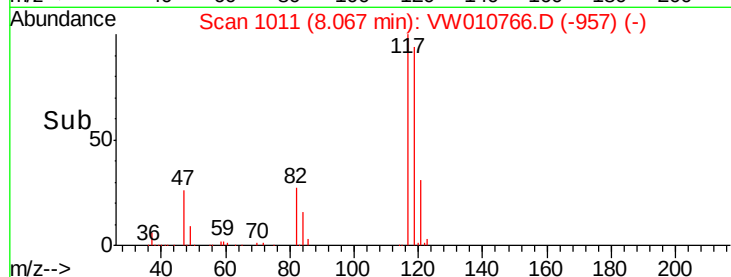
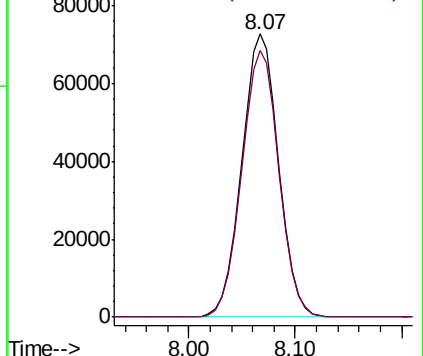
117 100

119 95.5 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.585 ug/L

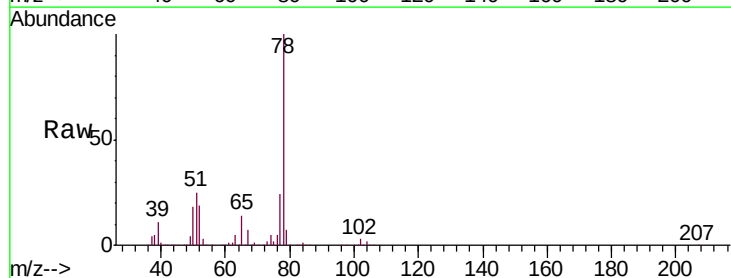
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

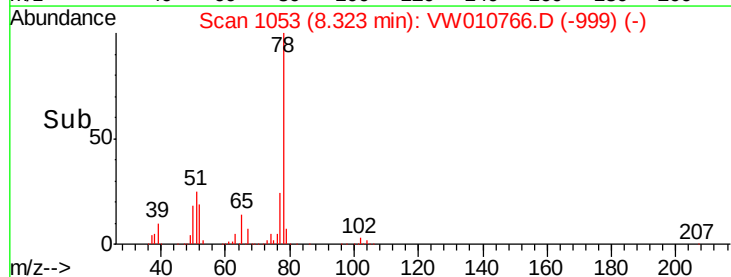
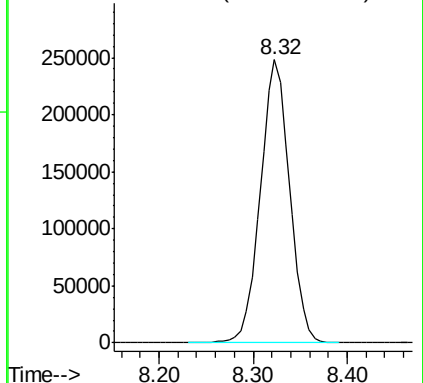
Lab File: VW010766.D

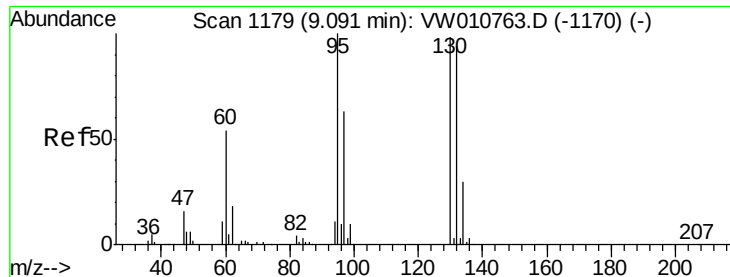
Acq: 11 Jun 2019 12:52

Tgt Ion: 78 Resp: 541224



Abundance Ion 78.00 (77.70 to 78.70): VW

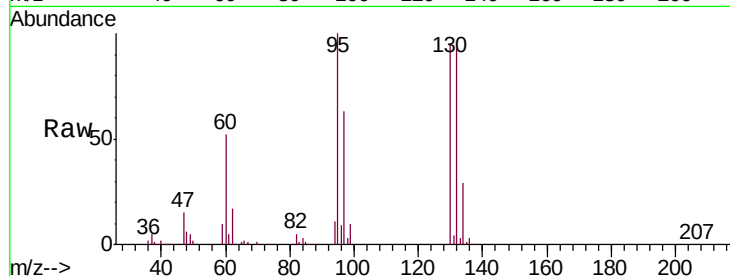




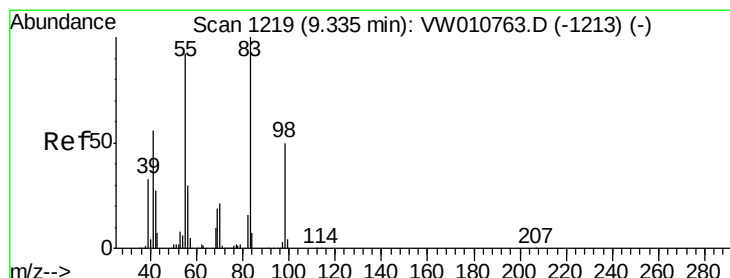
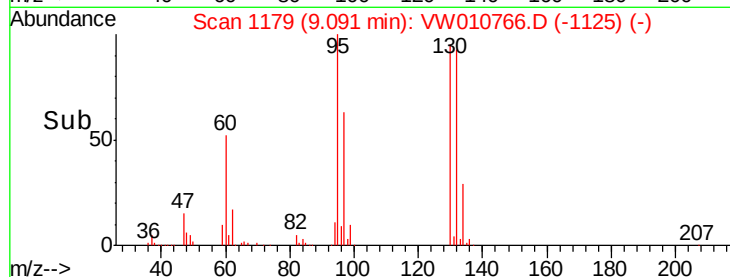
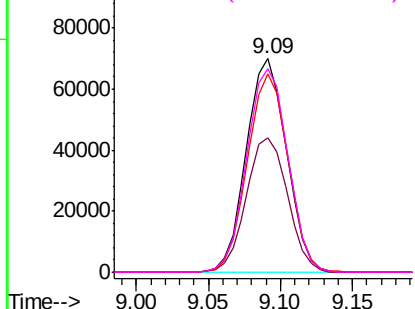
#35
 Trichloroethene
 Concen: 24.100 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW010766.D
 Acq: 11 Jun 2019 12:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV18

Tgt Ion:	95	Resp:	135958
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.4	84.2
132	93.5	65.0	120.6
130	97.5	68.3	126.9

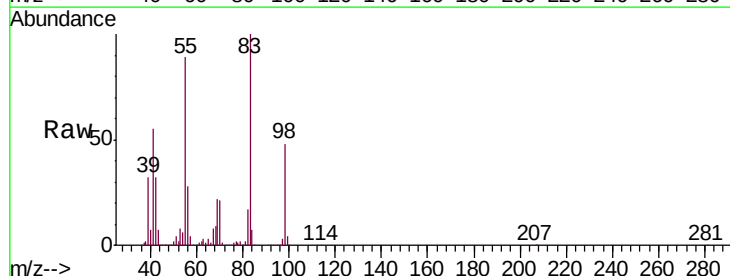


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

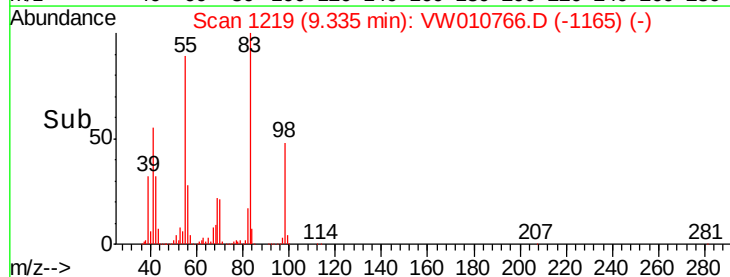
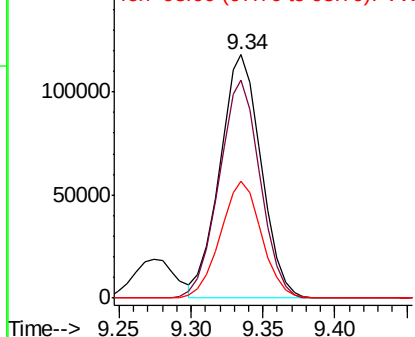


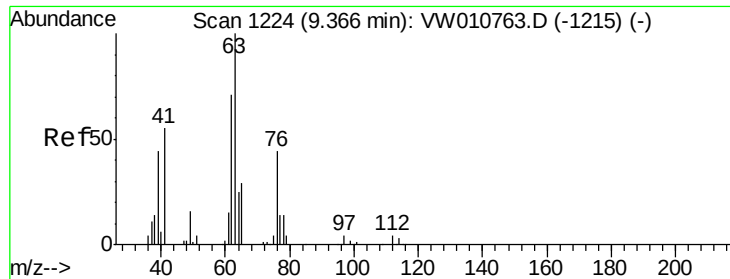
#36
 Methylcyclohexane
 Concen: 23.781 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW010766.D
 Acq: 11 Jun 2019 12:52

Tgt Ion:	83	Resp:	236363
Ion	Ratio	Lower	Upper
83	100		
55	89.1	71.6	107.4
98	47.8	38.2	57.2



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

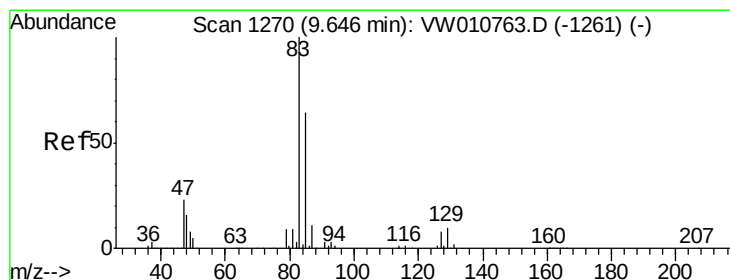
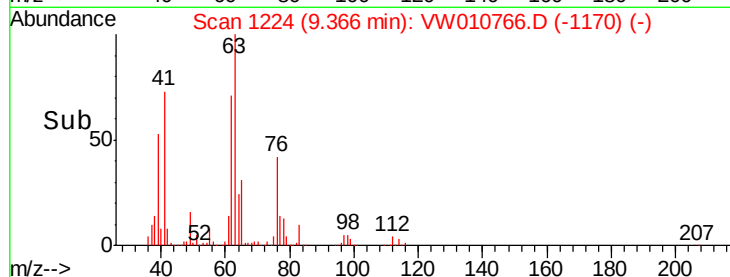
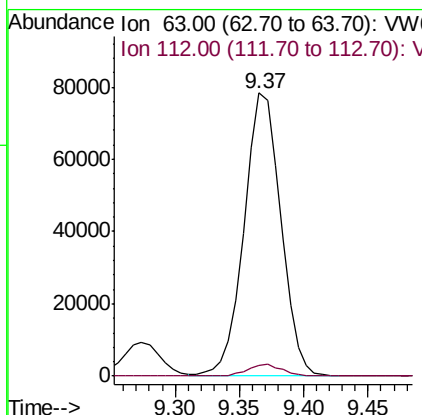
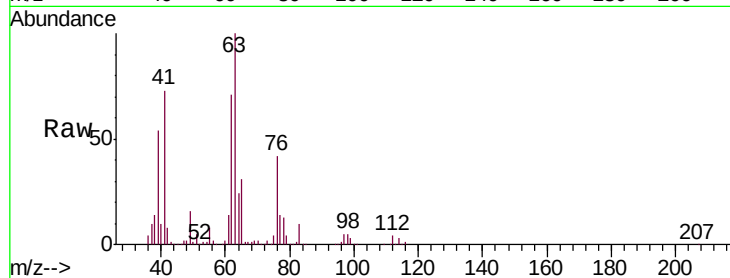




#40
 1,2-Dichloropropane
 Concen: 25.247 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010766.D
 Acq: 11 Jun 2019 12:52

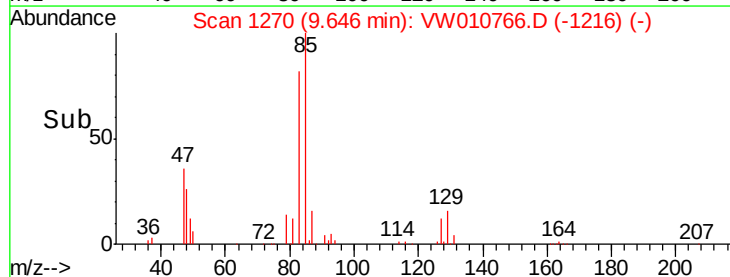
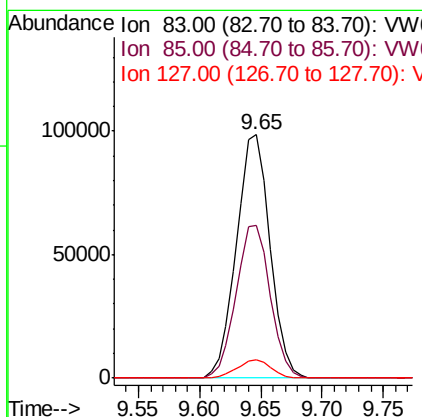
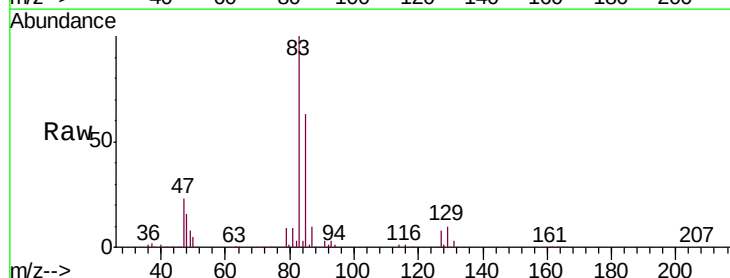
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV18

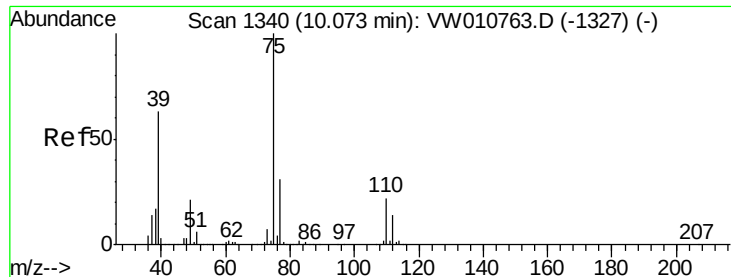
Tgt Ion: 63 Resp: 154915
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#41
 Bromodichloromethane
 Concen: 26.028 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW010766.D
 Acq: 11 Jun 2019 12:52

Tgt Ion: 83 Resp: 188056
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.7 82.9
 127 7.7 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 25.224 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

Instrument :

MSVOA_W

ClientSampled :

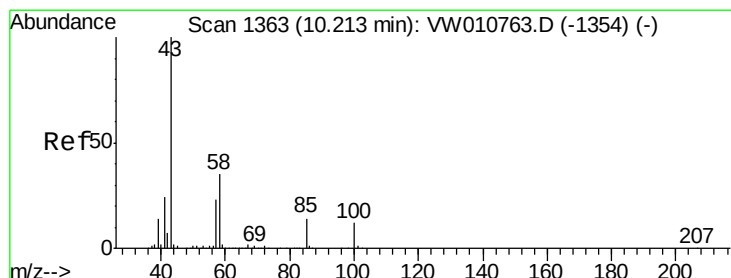
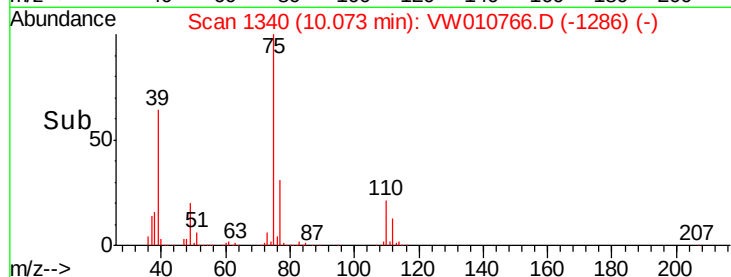
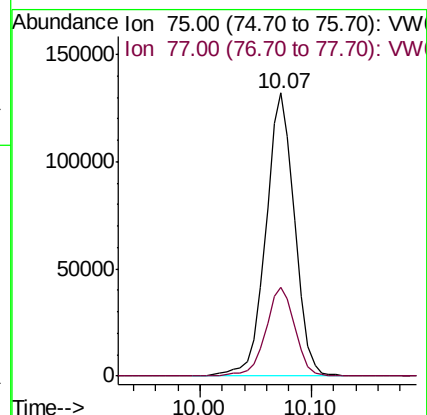
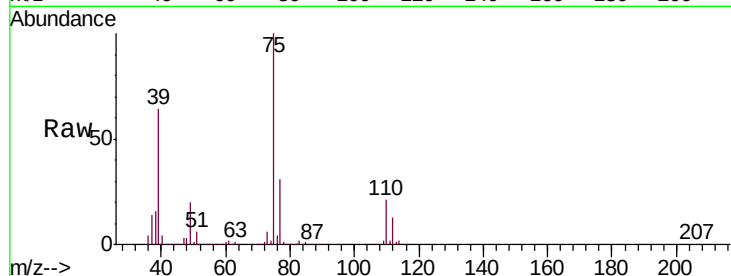
VICV18

Tgt Ion: 75 Resp: 236921

Ion Ratio Lower Upper

75 100

77 31.2 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 52.424 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

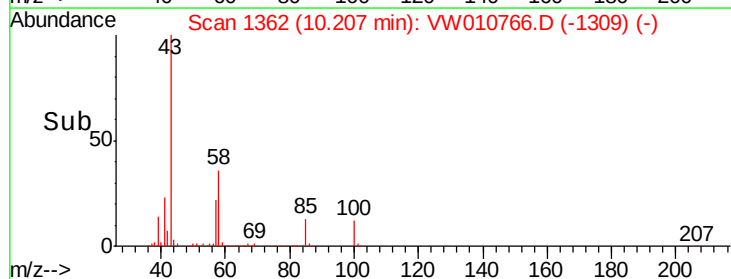
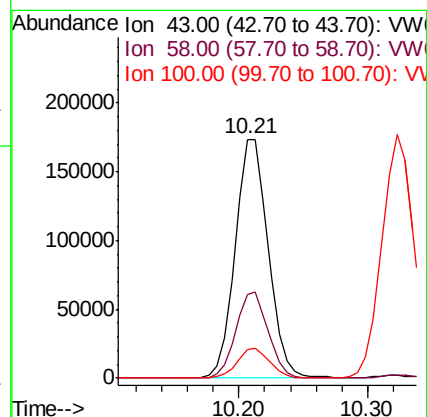
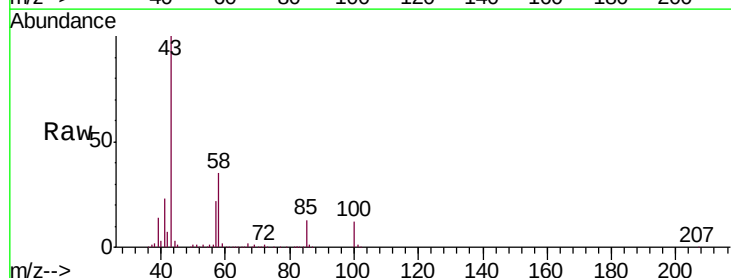
Tgt Ion: 43 Resp: 309067

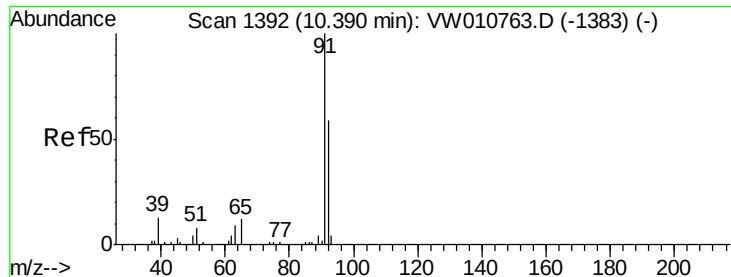
Ion Ratio Lower Upper

43 100

58 35.2 28.0 42.0

100 12.3 9.8 14.6





#44

Toluene

Concen: 24.748 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

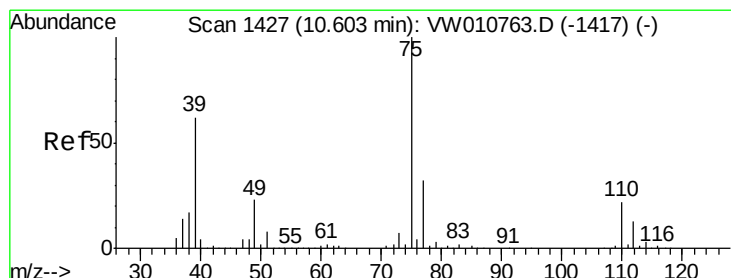
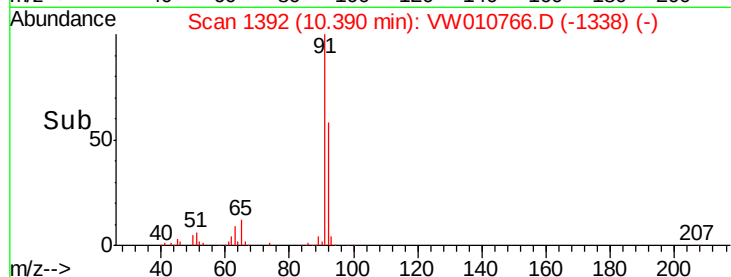
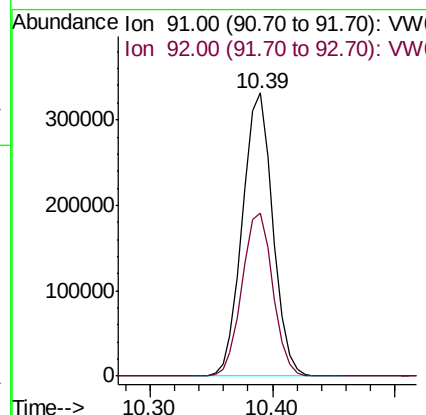
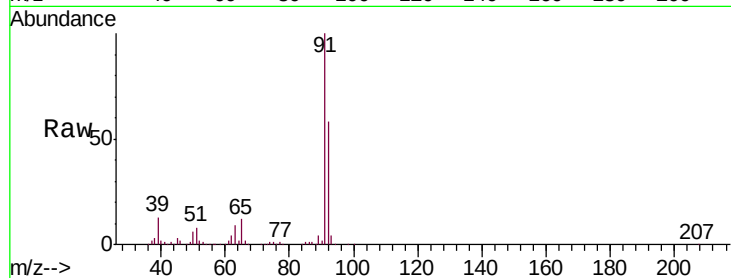
VICV18

Tgt Ion: 91 Resp: 570596

Ion Ratio Lower Upper

91 100

92 57.7 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 26.187 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010766.D

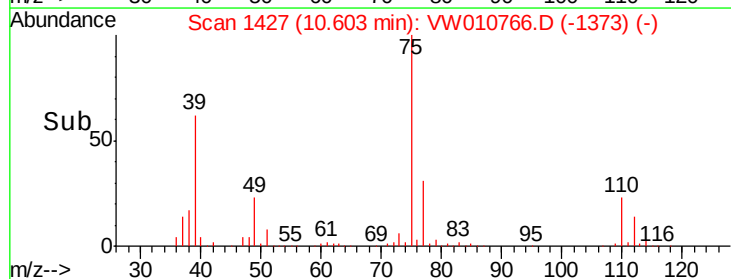
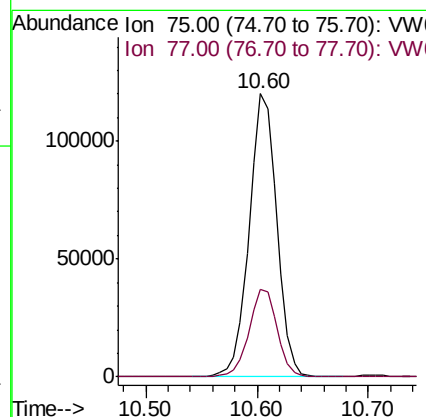
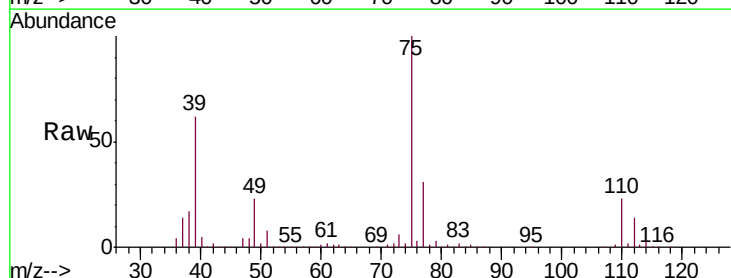
Acq: 11 Jun 2019 12:52

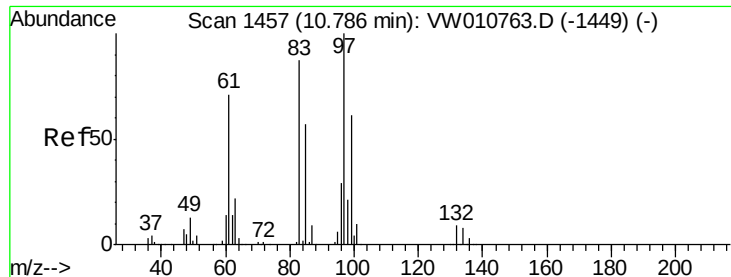
Tgt Ion: 75 Resp: 207114

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.7

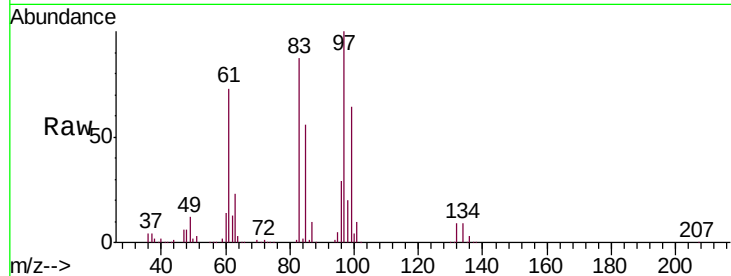




#46
 1,1,2-Trichloroethane
 Concen: 25.694 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010766.D
 Acq: 11 Jun 2019 12:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV18

Tgt Ion	Resp	Lower	Upper
97	112231		
83	87.2	60.8	113.0
85	55.9	39.8	73.8
99	63.6	42.7	79.3



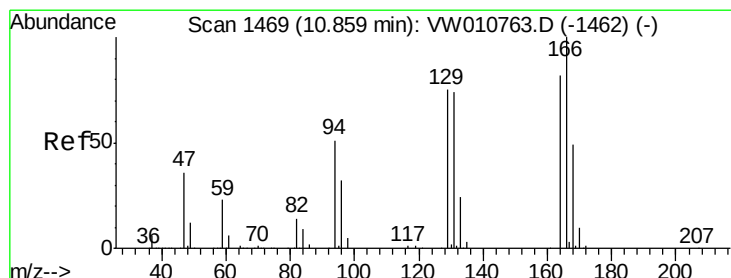
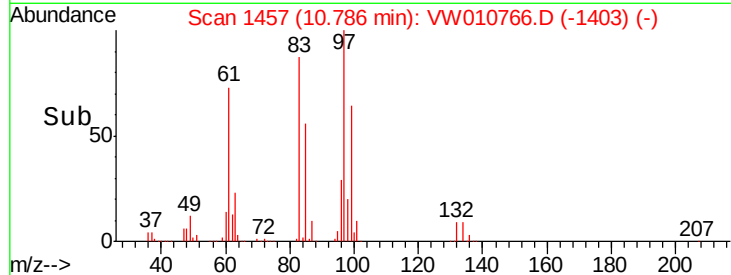
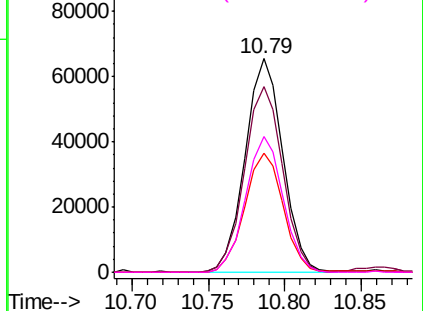
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 24.007 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW010766.D
 Acq: 11 Jun 2019 12:52

Tgt Ion	Resp	Lower	Upper
164	101487		
129	96.5	64.5	119.7
131	91.6	63.6	118.0
166	123.0	85.8	159.3

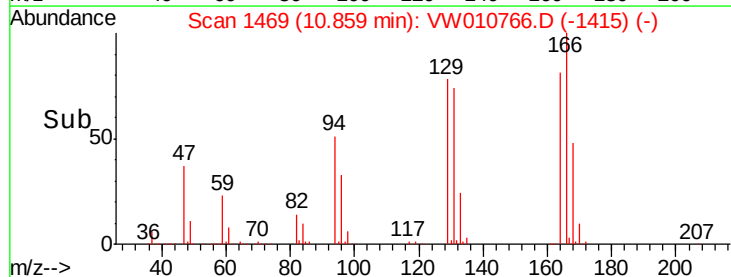
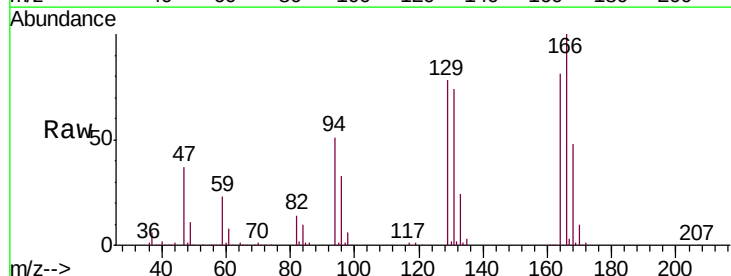
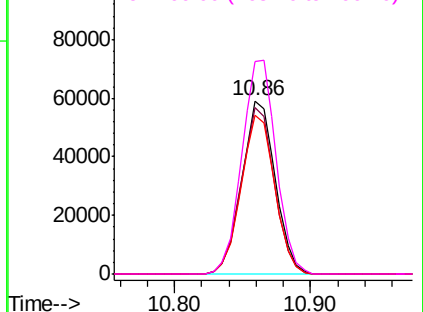
Abundance

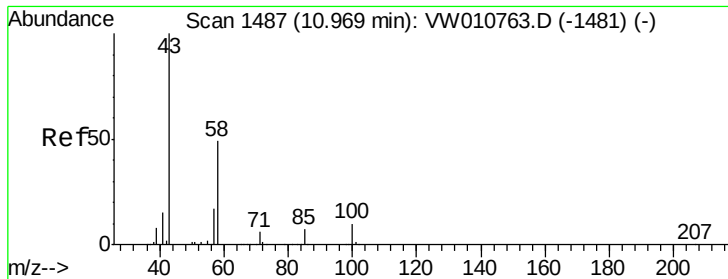
Ion 164.00 (163.70 to 164.70): V

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: 53.582 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VICV18

Tgt Ion: 43 Resp: 234165

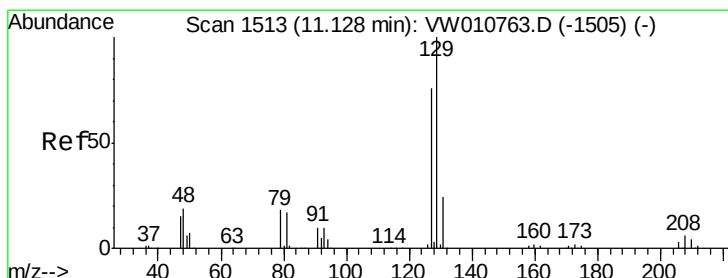
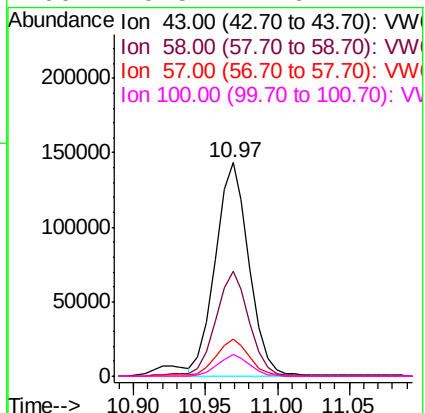
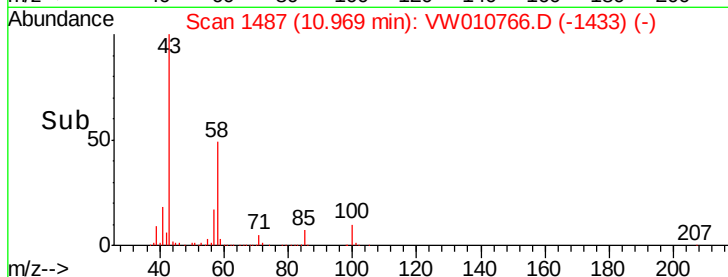
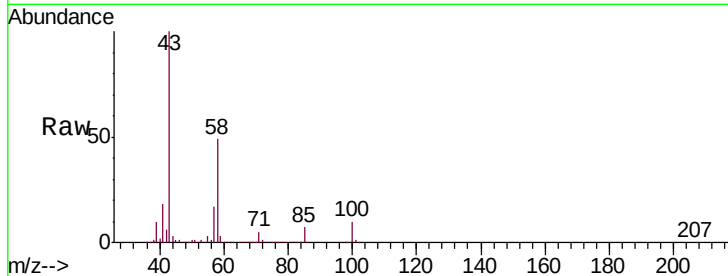
Ion Ratio Lower Upper

43 100

58 49.8 39.5 59.3

57 17.2 13.8 20.8

100 9.5 7.6 11.4



#50

Dibromochloromethane

Concen: 26.447 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010766.D

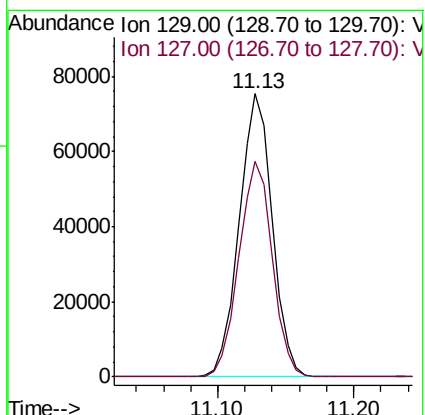
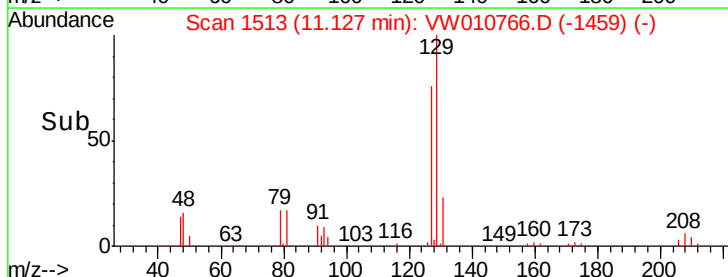
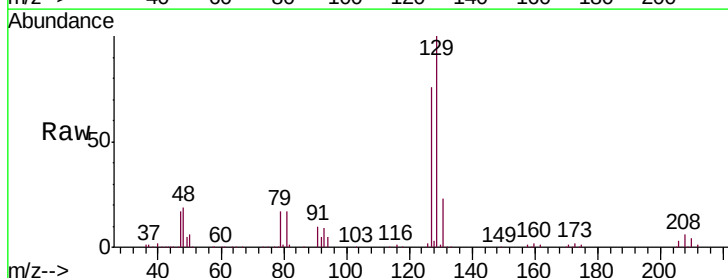
Acq: 11 Jun 2019 12:52

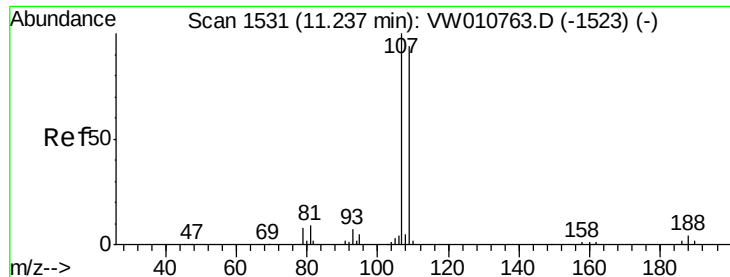
Tgt Ion: 129 Resp: 128026

Ion Ratio Lower Upper

129 100

127 76.1 53.1 98.7

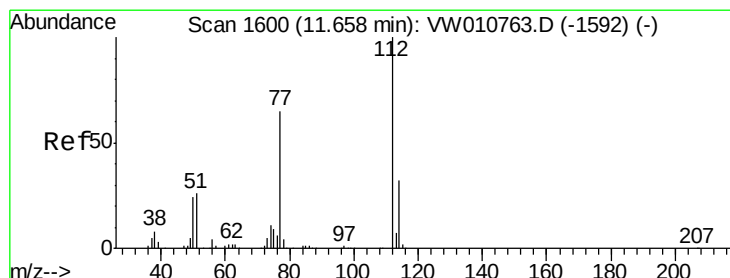
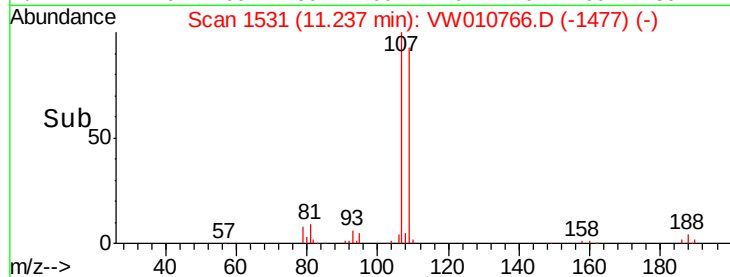
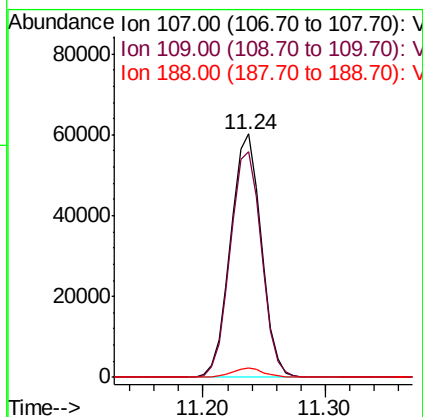
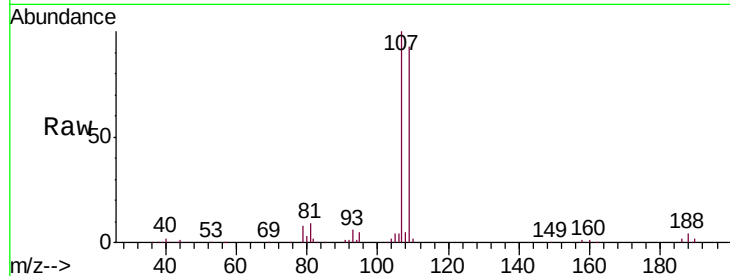




#51
1,2-Dibromoethane
Concen: 24.968 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW010766.D
Acq: 11 Jun 2019 12:52

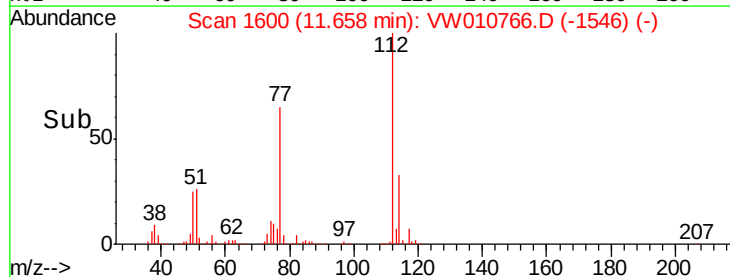
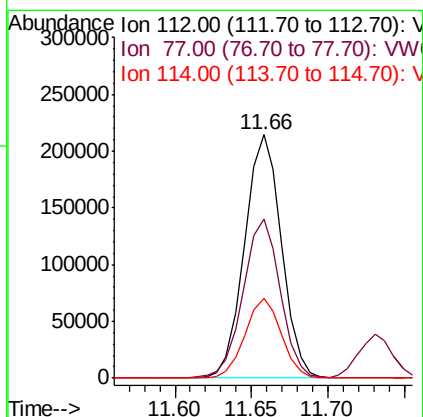
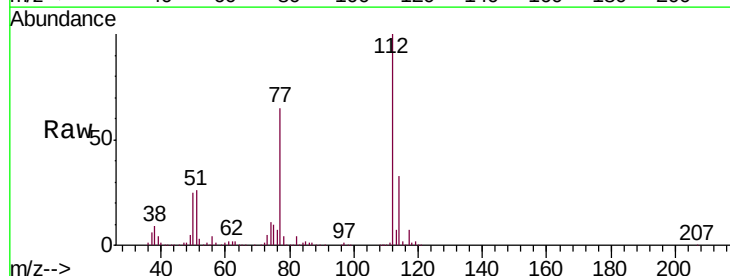
Instrument :
MSVOA_W
ClientSampleId :
VICV18

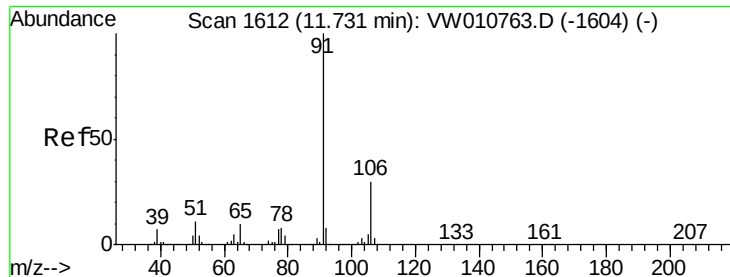
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.9	66.0	122.6
188	3.8	3.1	4.7



#52
Chlorobenzene
Concen: 24.999 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010766.D
Acq: 11 Jun 2019 12:52

Tgt Ion	Ratio	Lower	Upper
112	100		
77	65.1	51.8	77.8
114	32.8	22.1	41.1

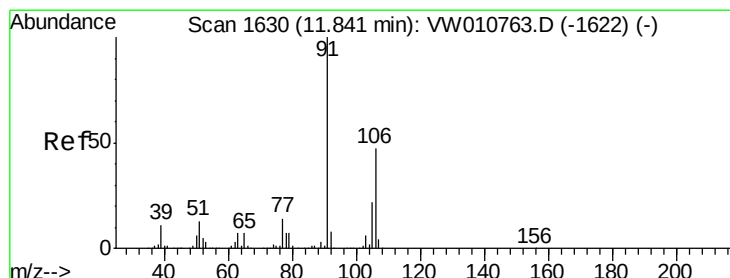
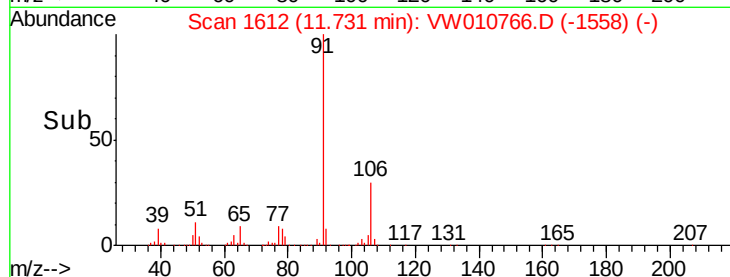
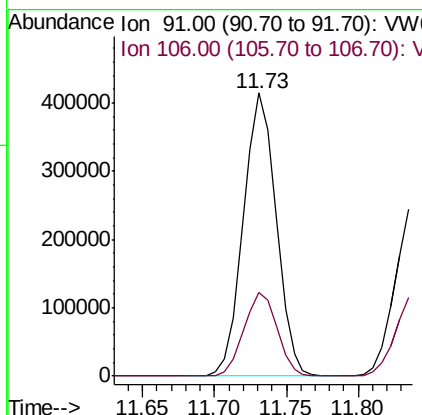
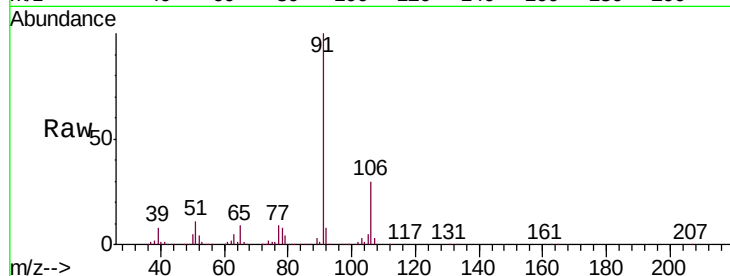




#53
Ethylbenzene
Concen: 24.844 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010766.D
Acq: 11 Jun 2019 12:52

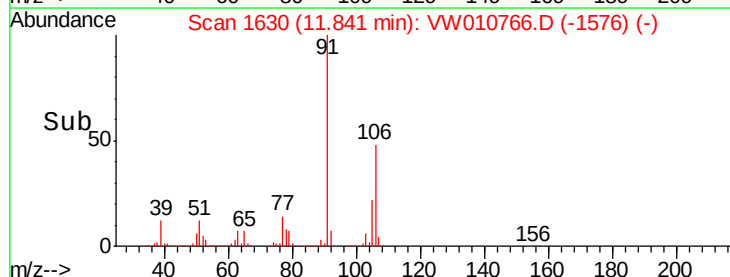
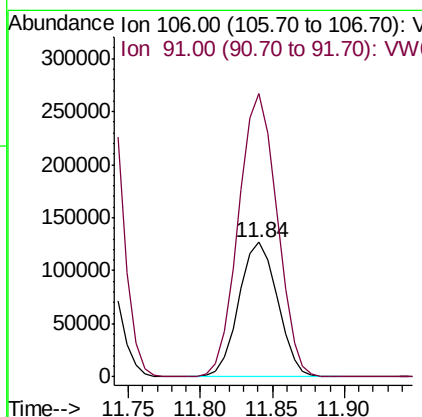
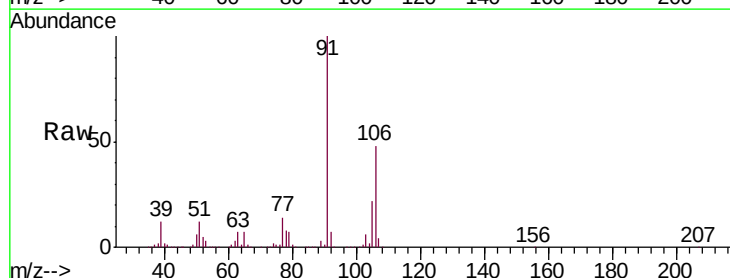
Instrument :
MSVOA_W
ClientSampleId :
VICV18

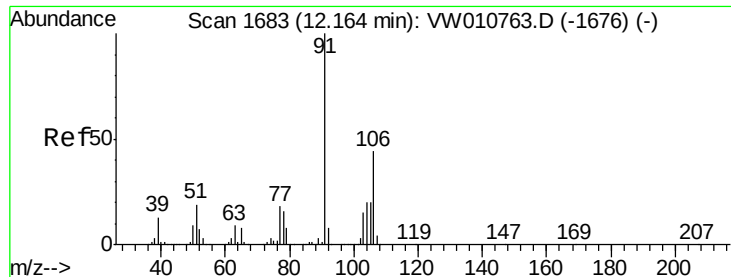
Tgt Ion: 91 Resp: 655558
Ion Ratio Lower Upper
91 100
106 29.7 21.1 39.3



#54
m,p-Xylene
Concen: 24.858 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010766.D
Acq: 11 Jun 2019 12:52

Tgt Ion: 106 Resp: 236374
Ion Ratio Lower Upper
106 100
91 210.4 148.7 276.1





#55

o-xylene

Concen: 25.269 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

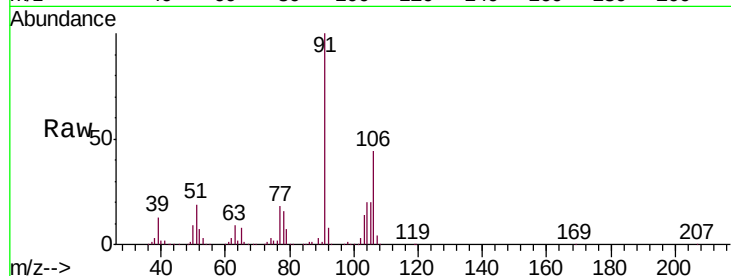
VICV18

Tgt Ion:106 Resp: 232991

Ion Ratio Lower Upper

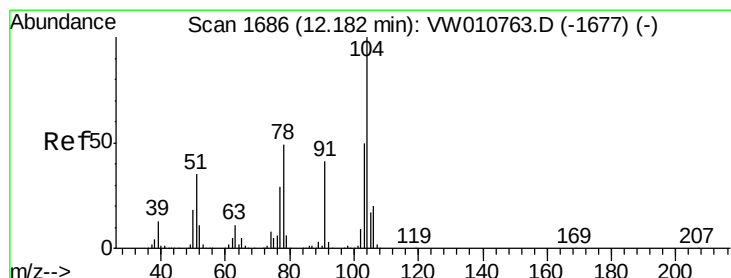
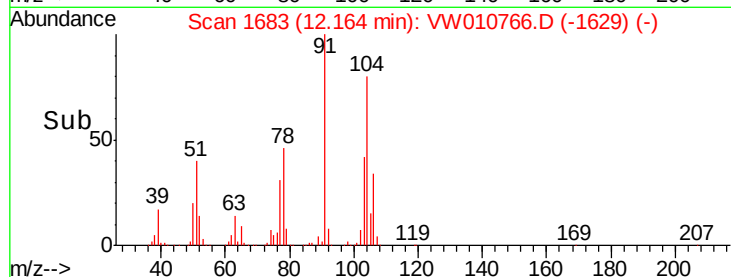
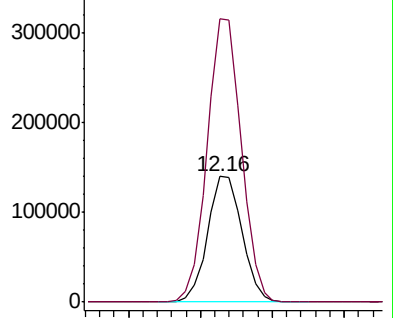
106 100

91 224.9 157.8 293.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.690 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010766.D

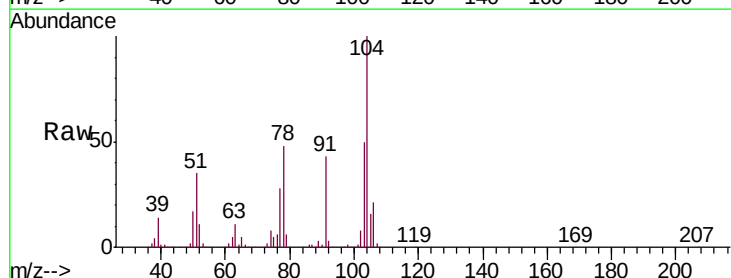
Acq: 11 Jun 2019 12:52

Tgt Ion:104 Resp: 412199

Ion Ratio Lower Upper

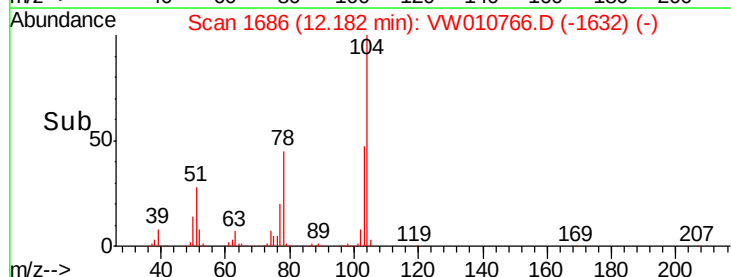
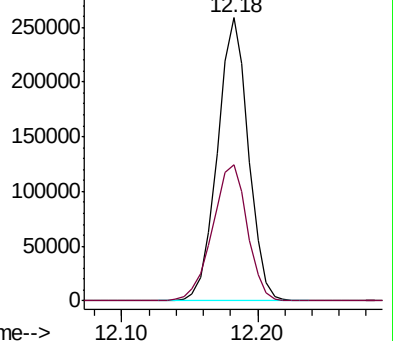
104 100

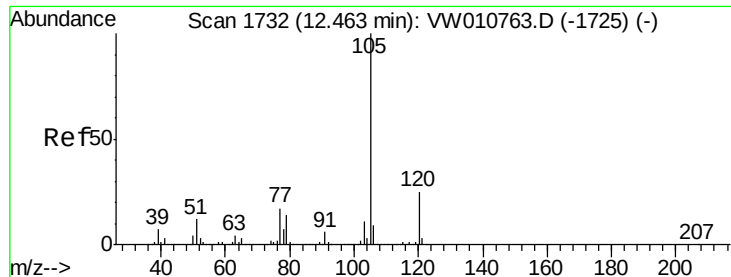
78 48.3 34.2 63.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.224 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

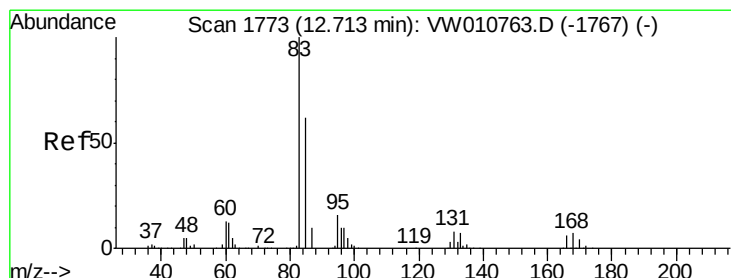
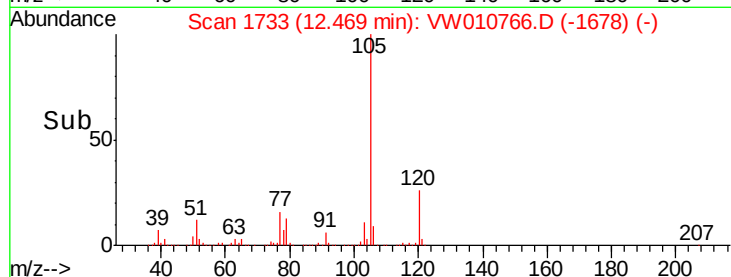
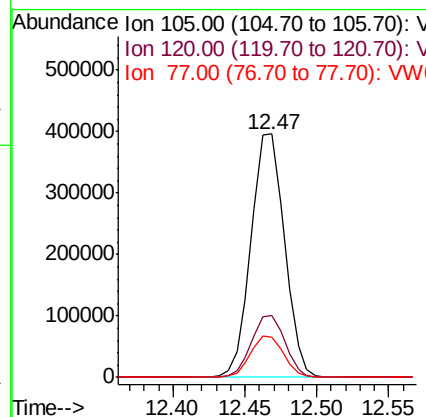
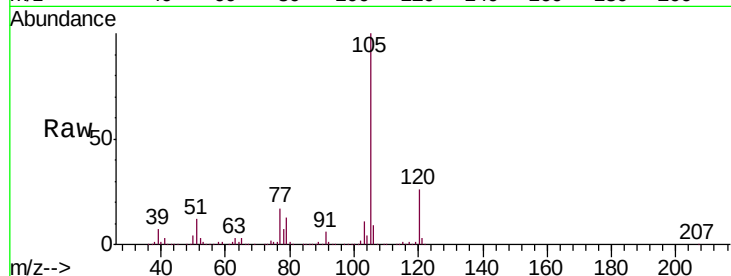
Instrument :

MSVOA_W

ClientSampled :

VICV18

Tgt Ion:	105	Resp:	636805
Ion Ratio	Lower	Upper	
105	100		
120	25.7	20.5	30.7
77	16.9	13.6	20.4



#58

1,1,2,2-Tetrachloroethane

Concen: 26.410 ug/L

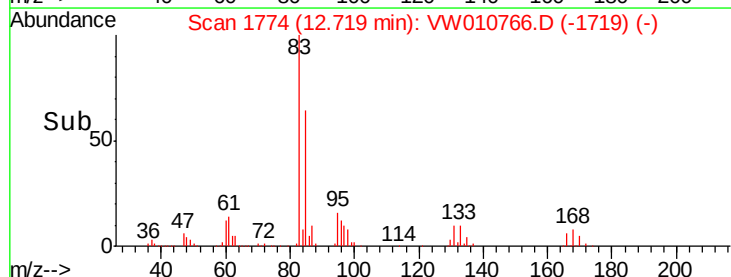
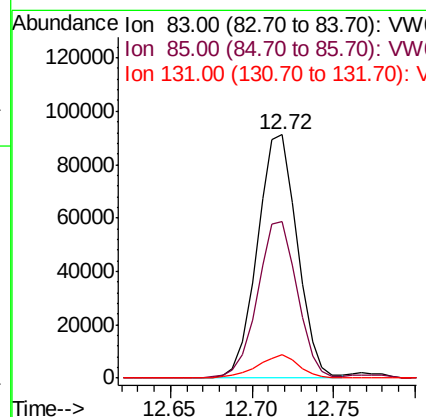
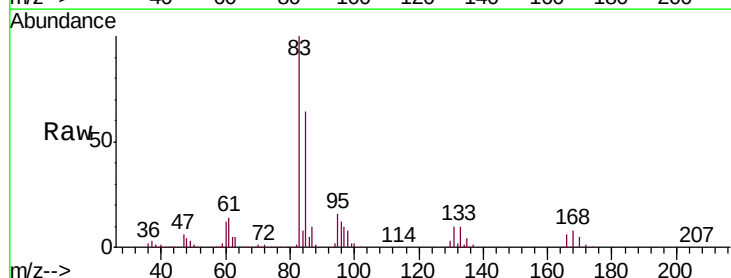
RT: 12.72 min Scan# 1774

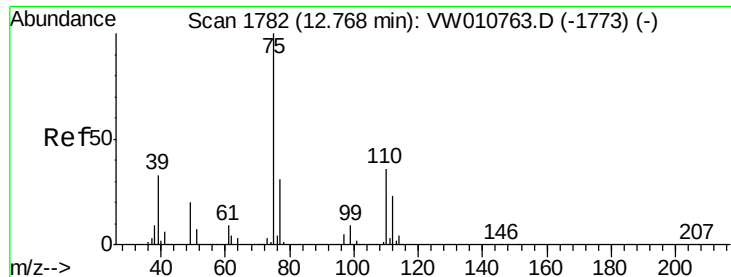
Delta R.T. 0.01 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

Tgt Ion:	83	Resp:	154566
Ion Ratio	Lower	Upper	
83	100		
85	64.1	44.0	81.6
131	9.6	7.0	10.6





#59

1,2,3-Trichloropropane

Concen: 26.470 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

Instrument :

MSVOA_W

ClientSampled :

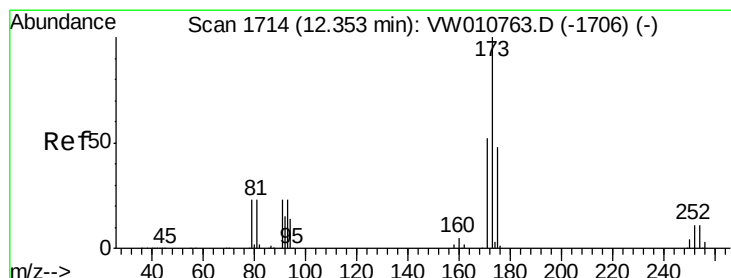
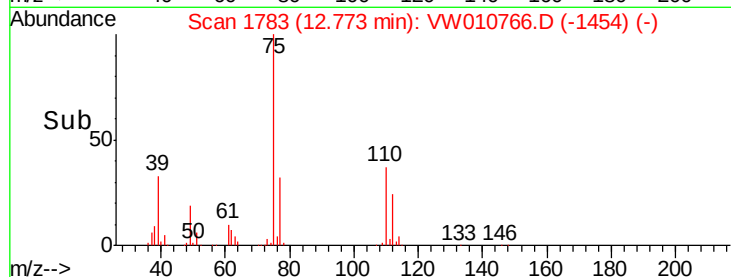
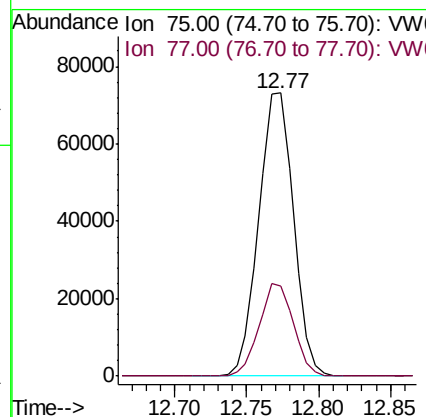
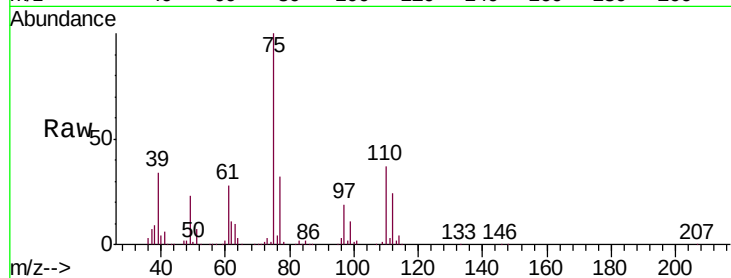
VICV18

Tgt Ion: 75 Resp: 122466

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



#62

Bromoform

Concen: 26.337 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

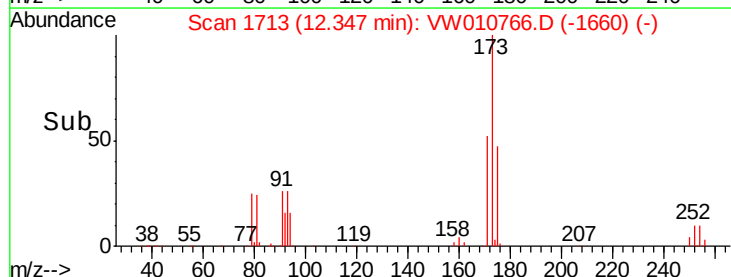
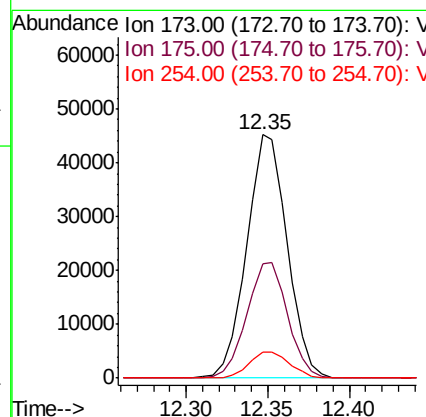
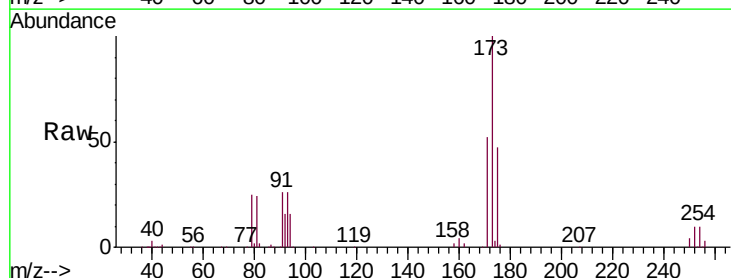
Tgt Ion: 173 Resp: 78042

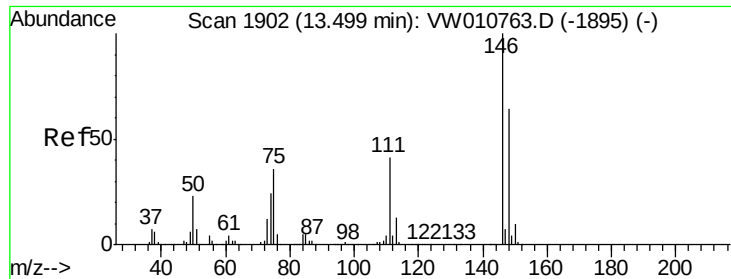
Ion Ratio Lower Upper

173 100

175 47.8 38.7 58.1

254 10.7 8.6 13.0

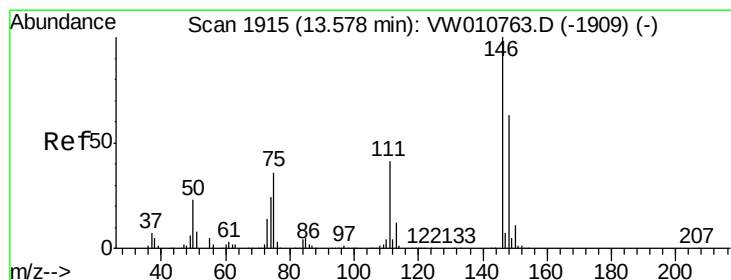
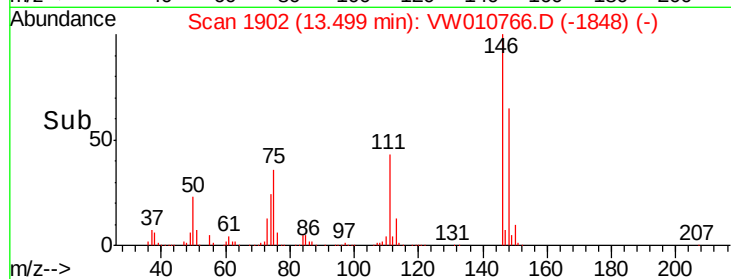
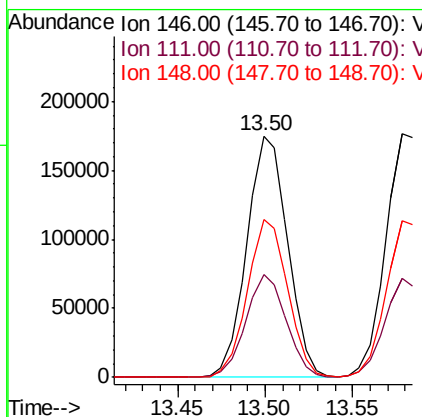
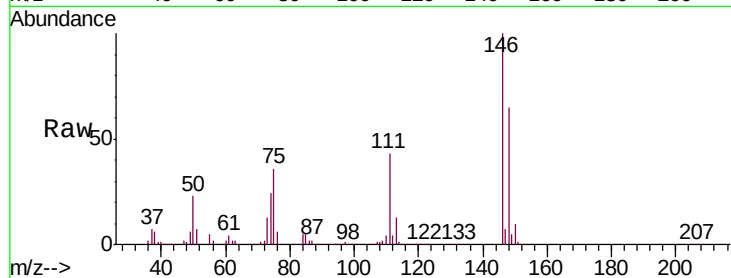




#63
 1,3-Dichlorobenzene
 Concen: 25.127 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010766.D
 Acq: 11 Jun 2019 12:52

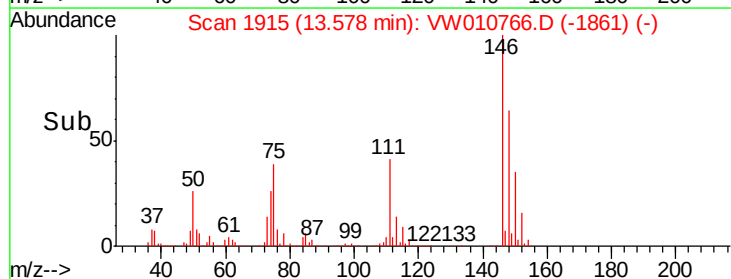
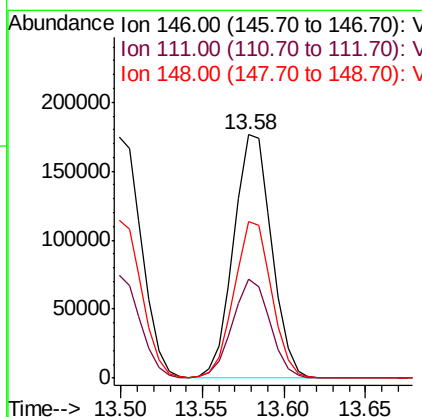
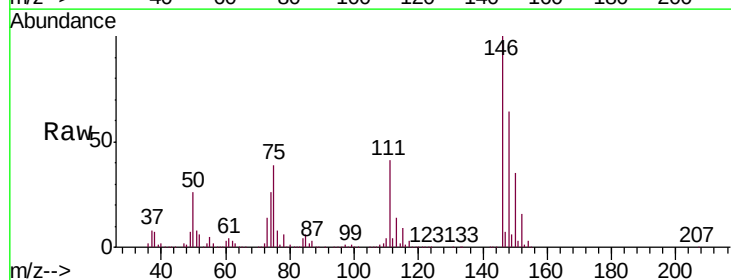
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV18

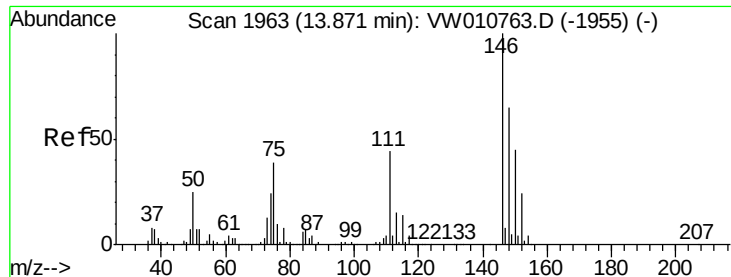
Tgt Ion:146 Resp: 283270
 Ion Ratio Lower Upper
 146 100
 111 42.6 28.6 53.2
 148 65.4 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 25.147 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010766.D
 Acq: 11 Jun 2019 12:52

Tgt Ion:146 Resp: 286907
 Ion Ratio Lower Upper
 146 100
 111 40.8 29.0 53.9
 148 64.3 44.4 82.4

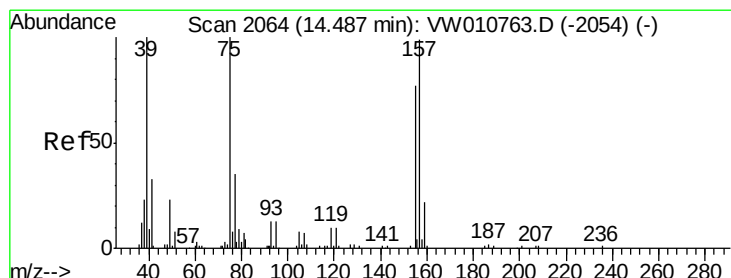
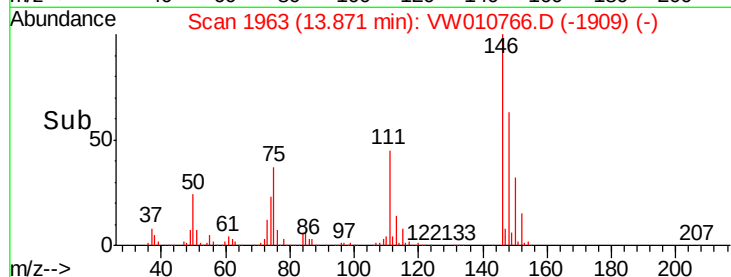
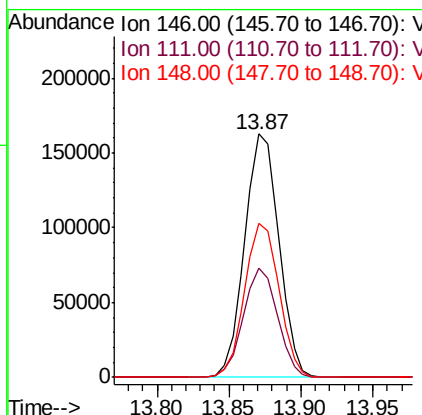
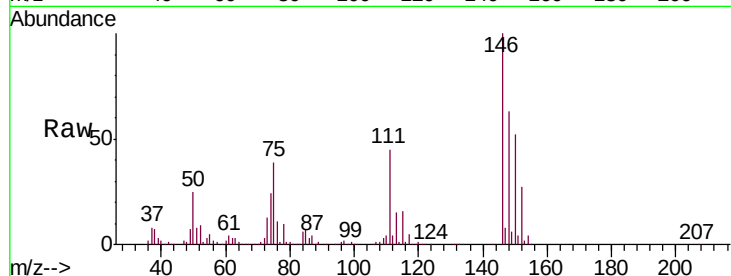




#65
 1,2-Dichlorobenzene
 Concen: 25.436 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010766.D
 Acq: 11 Jun 2019 12:52

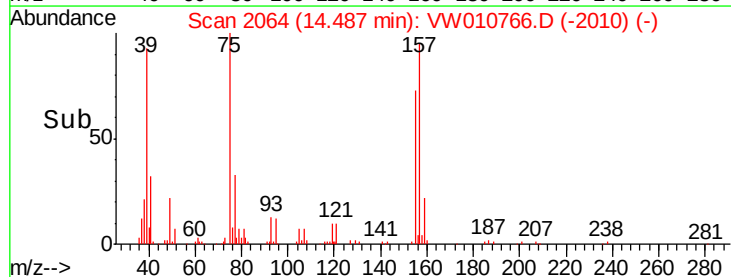
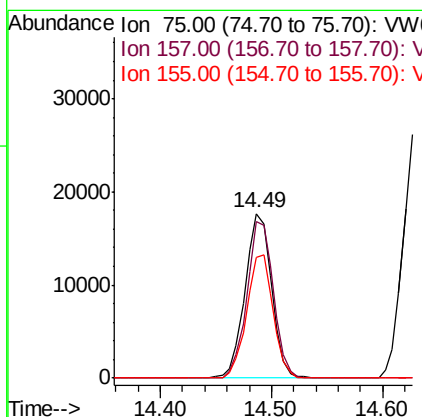
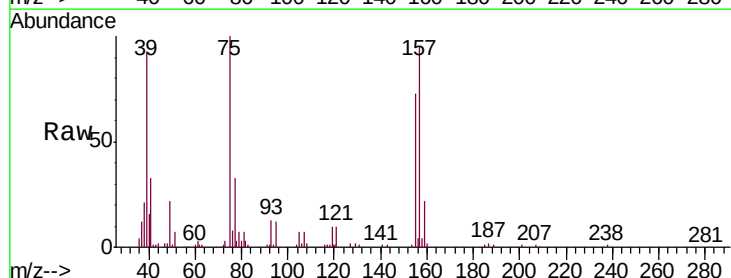
Instrument :
 MSVOA_W
 ClientSampled :
 VICV18

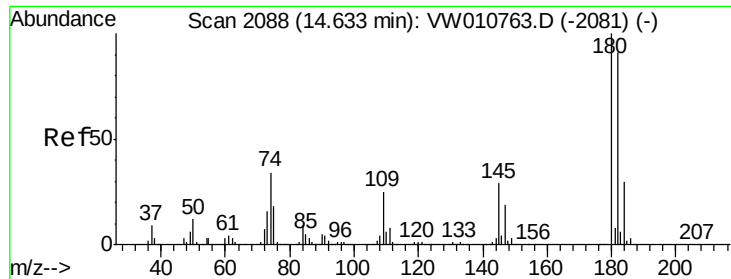
Tgt Ion: 146 Resp: 268270
 Ion Ratio Lower Upper
 146 100
 111 44.9 35.3 52.9
 148 63.2 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.284 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010766.D
 Acq: 11 Jun 2019 12:52

Tgt Ion: 75 Resp: 29223
 Ion Ratio Lower Upper
 75 100
 157 94.8 79.1 118.7
 155 73.1 62.0 93.0

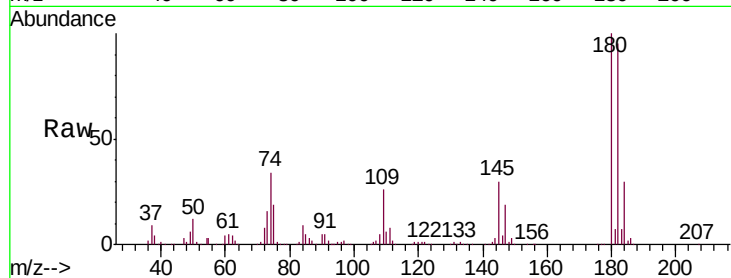




#67
 1,3,5-Trichlorobenzene
 Concen: 25.983 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010766.D
 Acq: 11 Jun 2019 12:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV18

Tgt Ion:	180	Resp:	222307
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.5	114.7
184	30.7	24.6	37.0
145	29.9	24.1	36.1



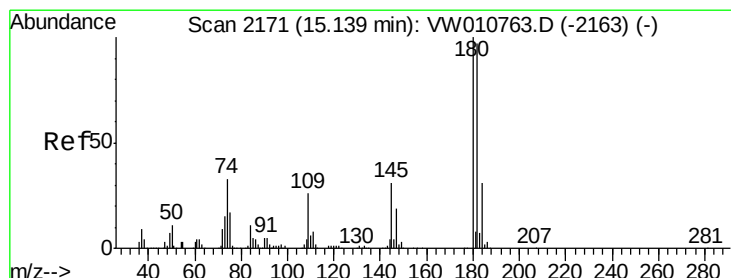
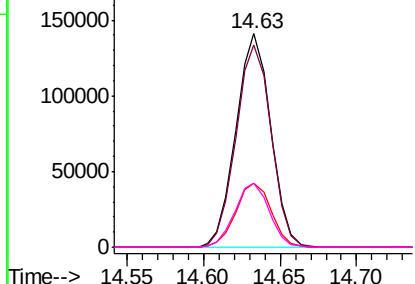
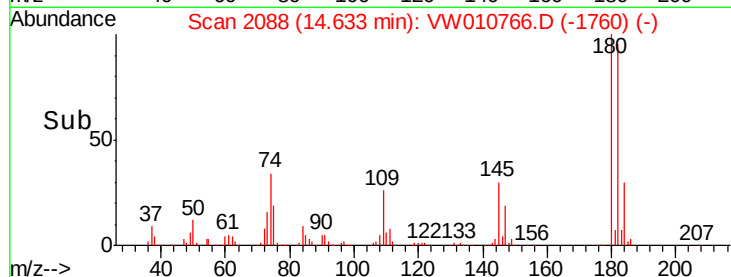
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

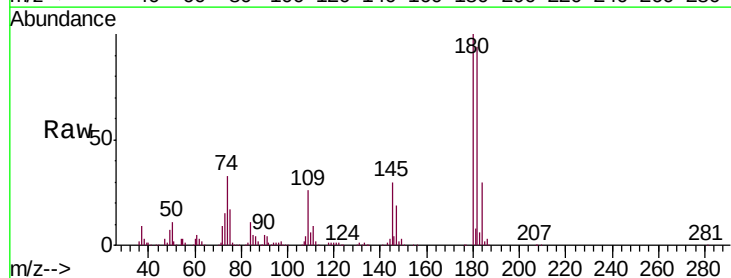
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.470 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010766.D
 Acq: 11 Jun 2019 12:52

Tgt Ion:	180	Resp:	196142
Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.4	114.6
145	29.8	24.8	37.2

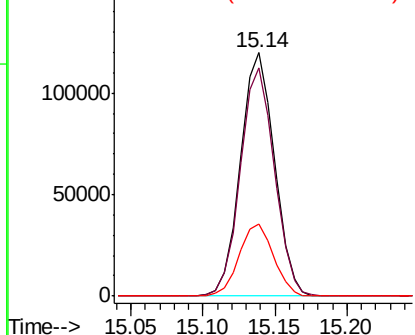
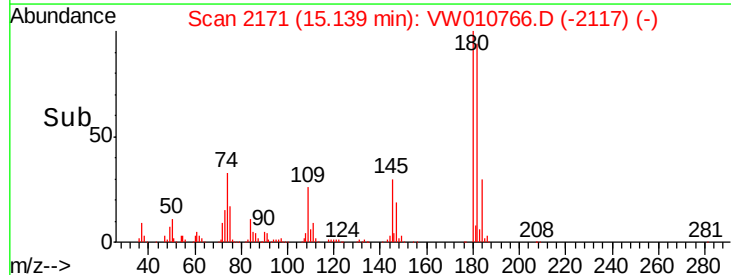


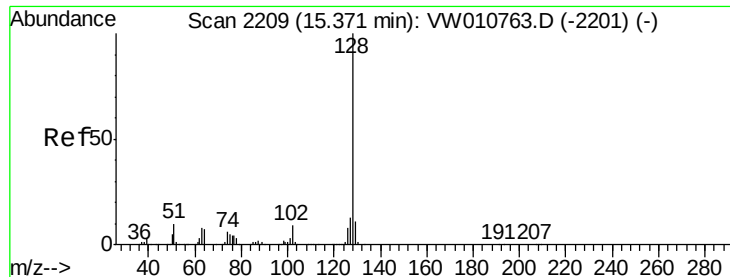
Abundance

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: 28.930 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VICV18

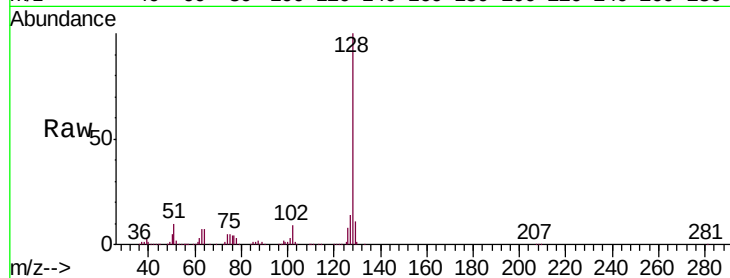
Tgt Ion:128 Resp: 436743

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

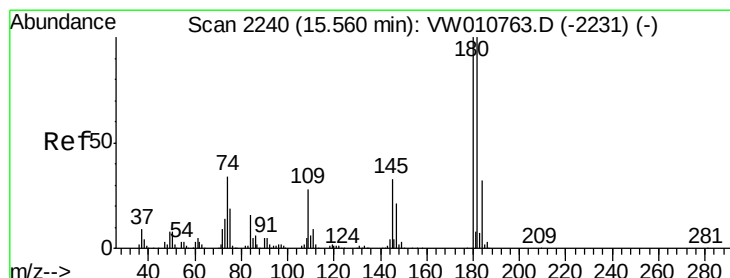
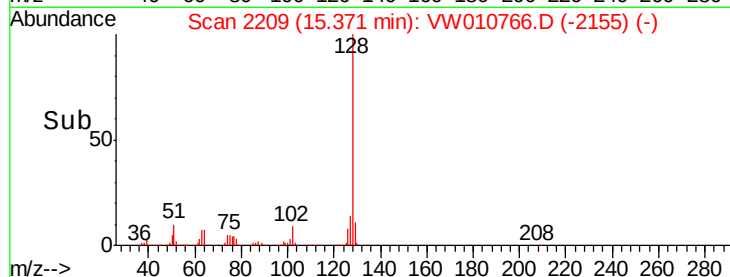
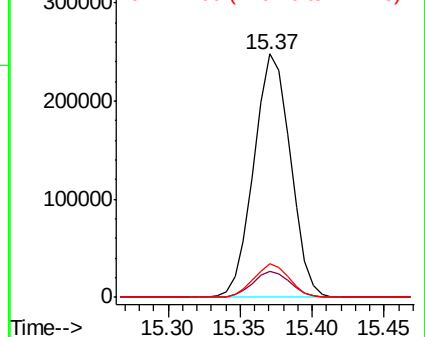
127 13.4 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.731 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010766.D

Acq: 11 Jun 2019 12:52

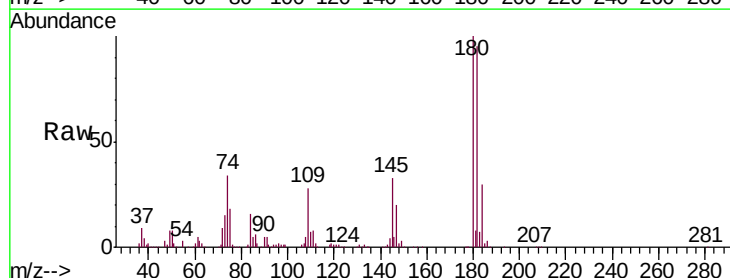
Tgt Ion:180 Resp: 177406

Ion Ratio Lower Upper

180 100

182 93.9 76.6 115.0

145 32.3 25.8 38.8



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

