

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112719\
 Data File : VW014147.D
 Acq On : 27 Nov 2019 09:23
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 28 07:21:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 27 18:29:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	305652	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	293030	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	176333	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	102212	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.84%
7) Chloroethane-d5	2.89	69	89033	22.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.08%
10) 1,1-Dichloroethene-d2	4.02	63	216674	21.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.60%
20) 2-Butanone-d5	7.07	46	61442	43.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.74%
24) Chloroform-d	7.65	84	231736	24.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.64%
26) 1,2-Dichloroethane-d4	8.30	65	113275	23.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.88%
29) Benzene-d6	8.27	84	466533	22.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.76%
33) 1,2-Dichloropropane-d6	9.27	67	141425	23.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.88%
37) Toluene-d8	10.32	98	434103	22.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.08%
38) trans-1,3-Dichloropropene-	10.57	79	55985	21.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.84%
39) 2-Hexanone-d5	10.92	63	50086	43.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	105193	22.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	155511	21.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	71348	19.628	ug/L	97
3) Chloromethane	2.21	50	66992	20.749	ug/L	100
5) Vinyl chloride	2.36	62	121801	24.160	ug/L	93
6) Bromomethane	2.78	94	74761	23.952	ug/L	100
8) Chloroethane	2.92	64	71129	23.720	ug/L	96
9) Trichlorofluoromethane	3.26	101	86218	25.080	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	126696	24.960	ug/L	98
12) 1,1-Dichloroethene	4.04	96	120044	23.265	ug/L	99
13) Acetone	4.12	43	54808	38.018	ug/L	98
14) Carbon disulfide	4.38	76	332658	22.652	ug/L	99
15) Methyl Acetate	4.67	43	46967	20.136	ug/L	99
16) Methylene chloride	4.92	84	119568	20.320	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	144946	21.775	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	125188	23.266	ug/L	96
19) 1,1-Dichloroethane	6.21	63	223979	24.713	ug/L	99
21) 2-Butanone	7.16	43	68468	36.968	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	134587	23.770	ug/L	98

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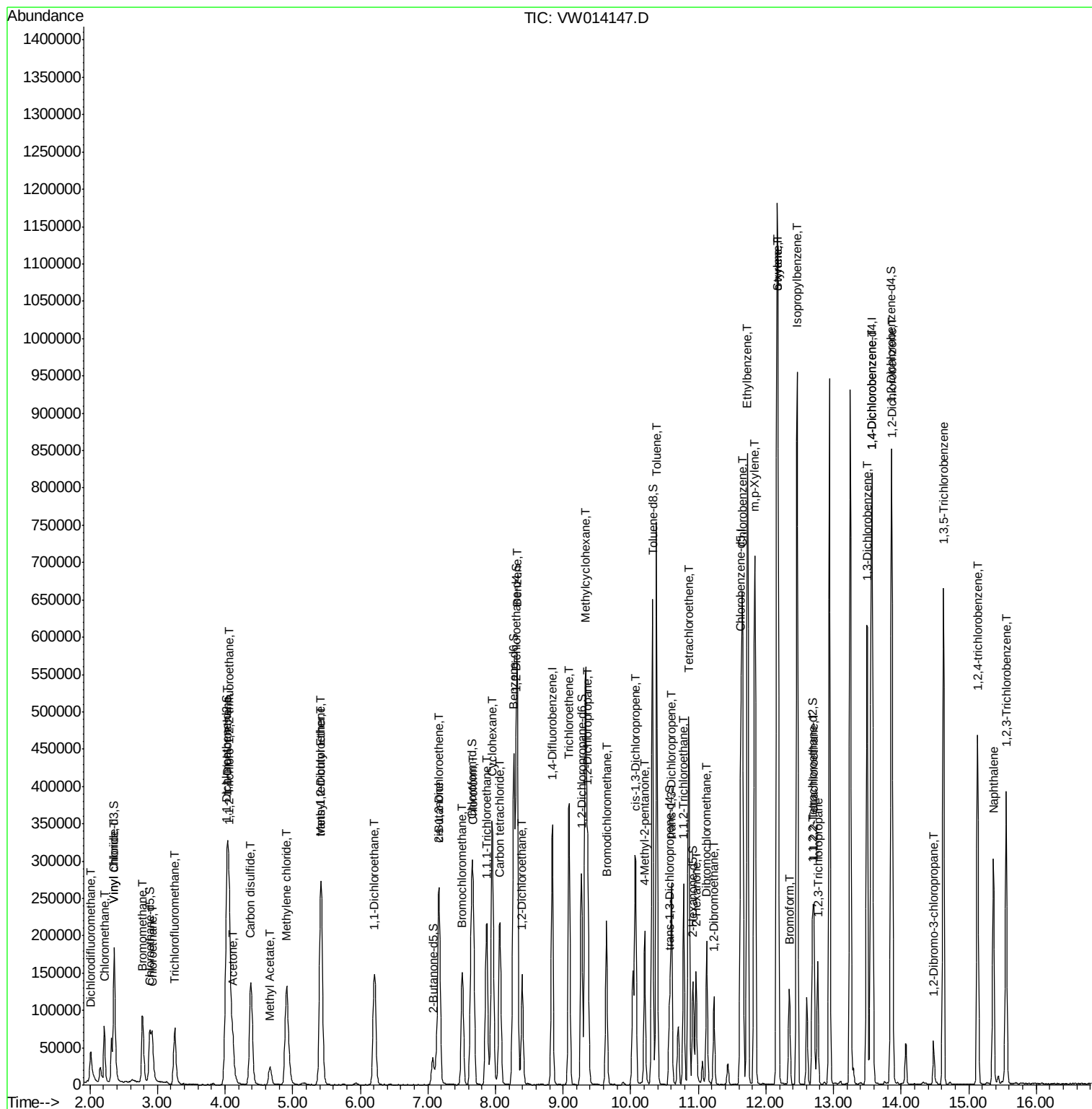
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	59206	23.821	ug/L	96
25) Chloroform	7.67	83	221820	24.923	ug/L	99
27) 1,2-Dichloroethane	8.40	62	130447	24.208	ug/L	100
30) Cyclohexane	7.95	56	209276	22.317	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	182001	24.784	ug/L	99
32) Carbon tetrachloride	8.07	117	173006	24.542	ug/L	100
34) Benzene	8.32	78	517918	24.096	ug/L	100
35) Trichloroethene	9.09	95	133790	23.335	ug/L	99
36) Methylcyclohexane	9.34	83	229093	22.285	ug/L	97
40) 1,2-Dichloropropane	9.37	63	125303	24.217	ug/L	99
41) Bromodichloromethane	9.64	83	153472	24.535	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	189758	23.240	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	135117	39.551	ug/L	98
44) Toluene	10.38	91	555936	23.723	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	149268	23.117	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	86883	22.853	ug/L	96
47) Tetrachloroethene	10.86	164	121489	23.773	ug/L	98
49) 2-Hexanone	10.97	43	98421	39.961	ug/L	99
50) Dibromochloromethane	11.13	129	107226	23.995	ug/L	93
51) 1,2-Dibromoethane	11.23	107	79205	21.473	ug/L	96
52) Chlorobenzene	11.65	112	345354	23.508	ug/L	96
53) Ethylbenzene	11.73	91	618714	24.060	ug/L	97
54) m,p-Xylene	11.83	106	240347	24.050	ug/L	98
55) o-xylene	12.16	106	224892	24.031	ug/L	98
56) Styrene	12.18	104	384162	24.300	ug/L	100
57) Isopropylbenzene	12.46	105	622125	24.178	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	98978	22.300	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	69777	20.903	ug/L	99
62) Bromoform	12.35	173	63297	21.904	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	283249	22.877	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	281386	23.002	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	255694	23.321	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	14645	19.614	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	224539	23.796	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	168954	22.772	ug/L	100
69) Naphthalene	15.36	128	258819	19.636	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	149428	22.821	ug/L	99

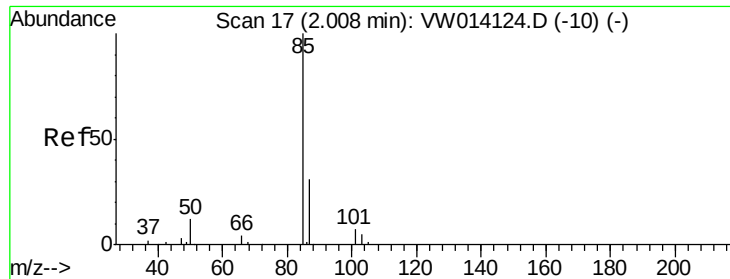
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.628 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Instrument :

MSVOA_W

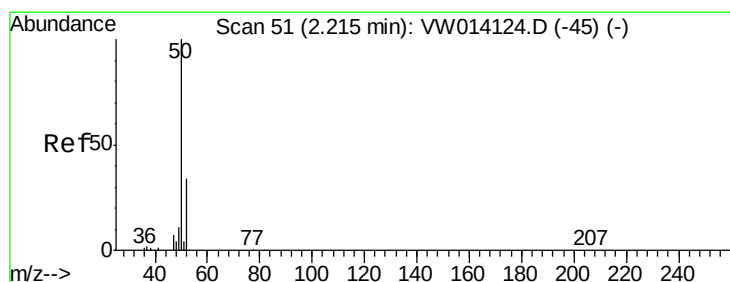
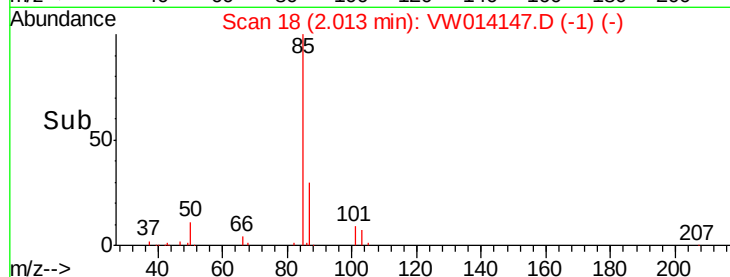
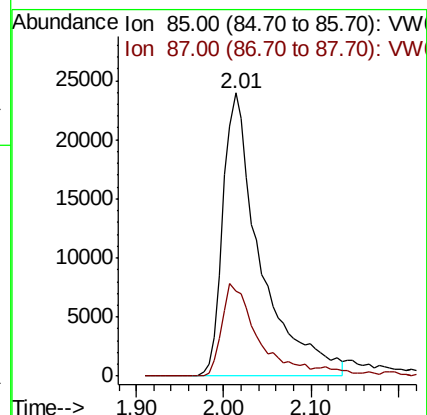
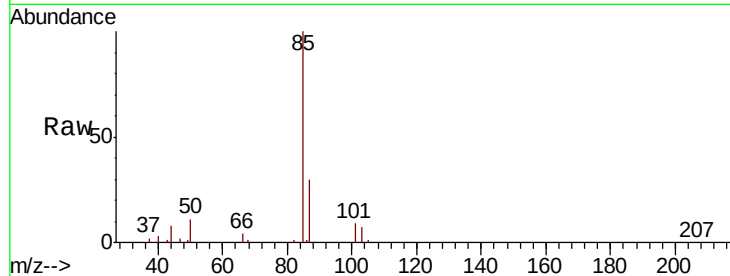
ClientSampleId :

Tot Ion: 85 Resp: 71348

Ion Ratio Lower Upper

85 100

87 29.9 22.1 41.1



#3

Chloromethane

Concen: 20.749 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014147.D

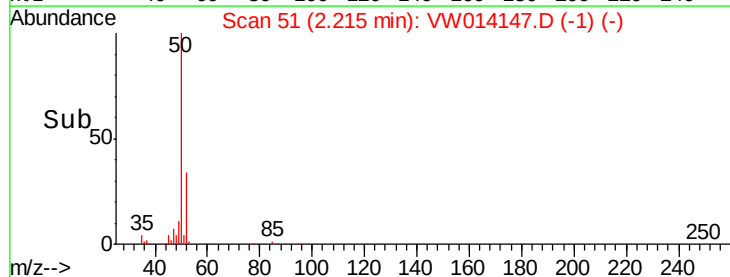
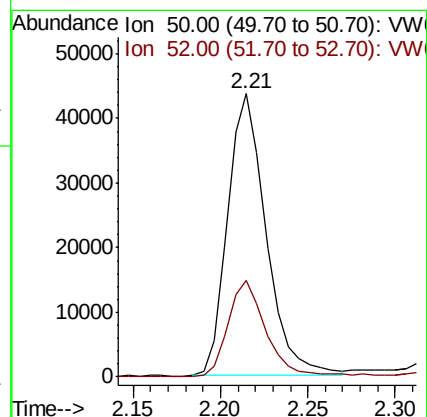
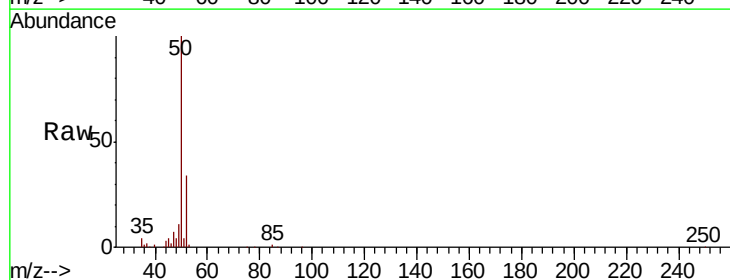
Acq: 27 Nov 2019 09:23

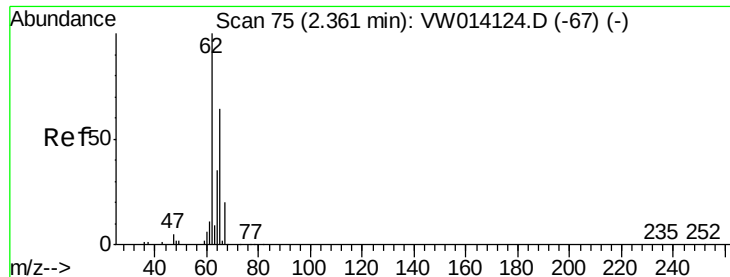
Tgt Ion: 50 Resp: 66992

Ion Ratio Lower Upper

50 100

52 34.1 23.8 44.2





#5

Vinyl chloride

Concen: 24.160 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Instrument :

MSVOA_W

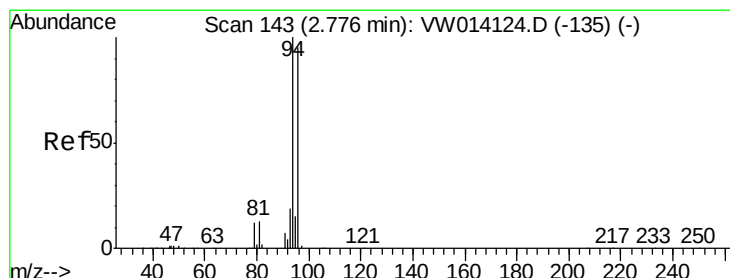
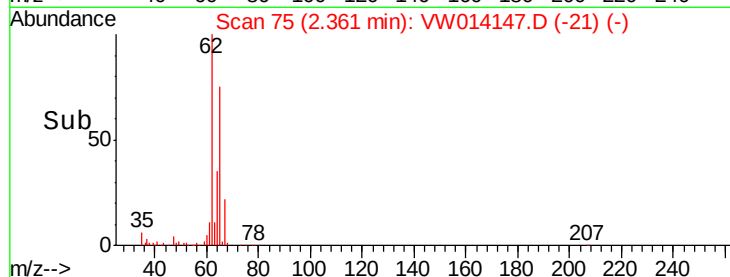
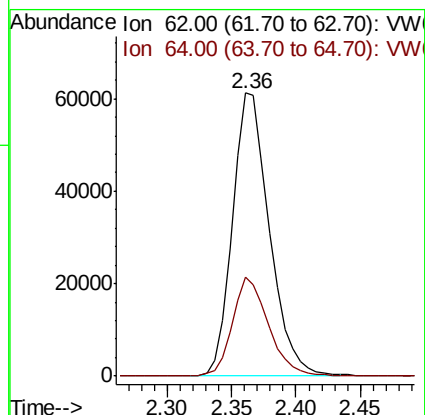
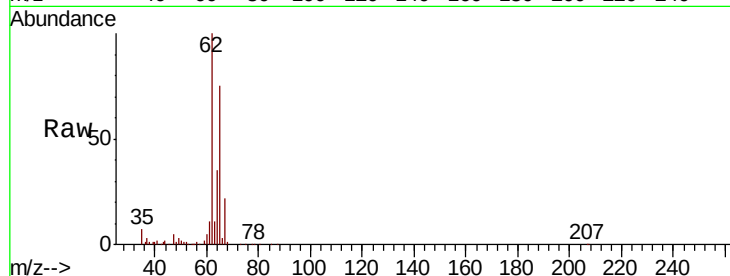
ClientSampleId :

Tot Ion: 62 Resp: 121801

Ion Ratio Lower Upper

62 100

64 34.8 21.8 40.4



#6

Bromomethane

Concen: 23.952 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW014147.D

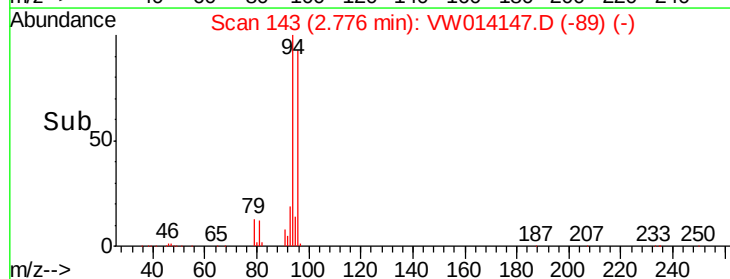
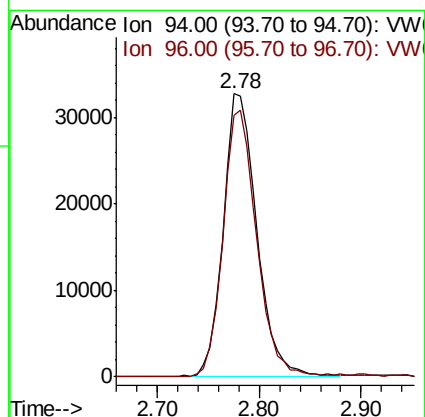
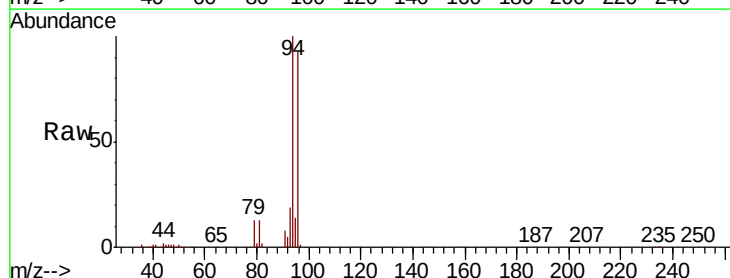
Acq: 27 Nov 2019 09:23

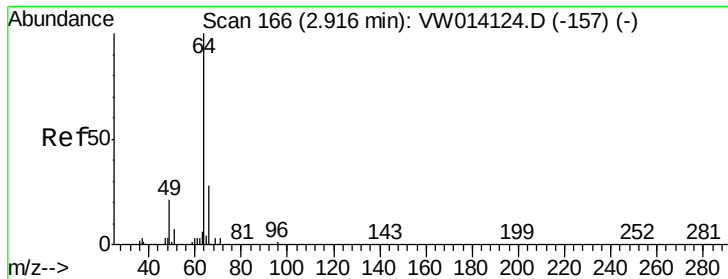
Tgt Ion: 94 Resp: 74761

Ion Ratio Lower Upper

94 100

96 94.2 9.4 178.8





#8

Chloroethane

Concen: 23.720 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Instrument :

MSVOA_W

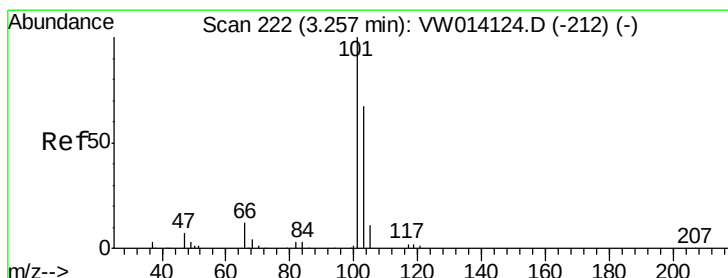
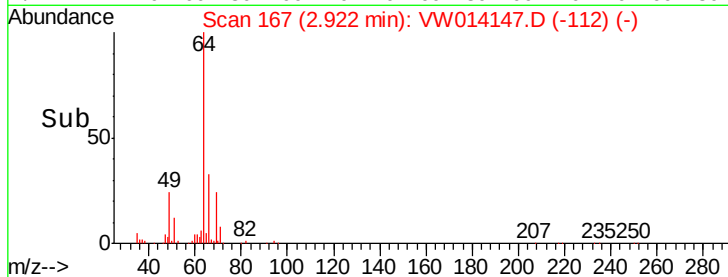
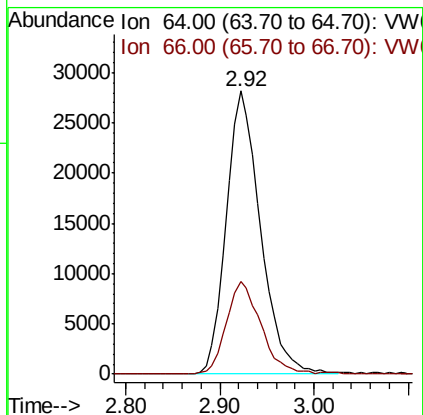
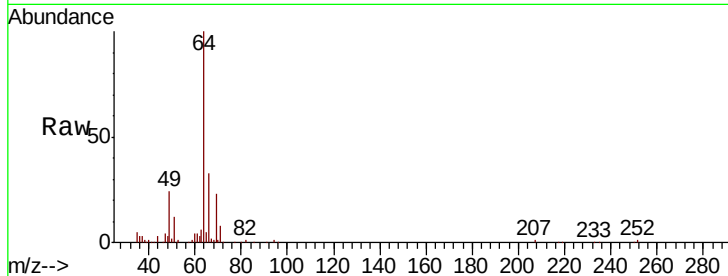
ClientSampled :

Tot Ion: 64 Resp: 71129

Ion Ratio Lower Upper

64 100

66 32.7 21.2 39.4



#9

Trichlorofluoromethane

Concen: 25.080 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014147.D

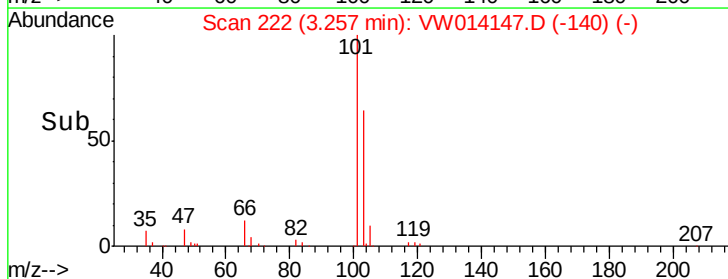
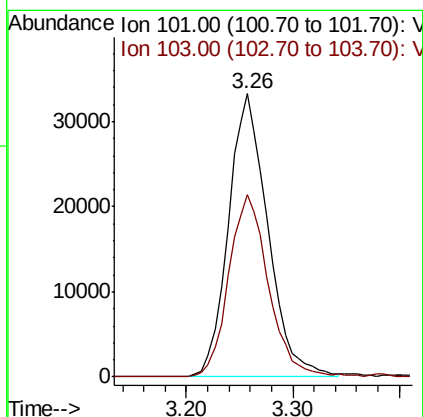
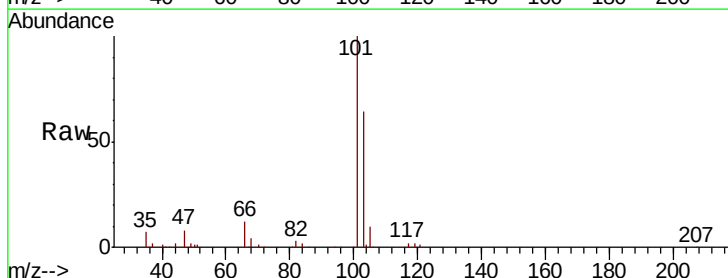
Acq: 27 Nov 2019 09:23

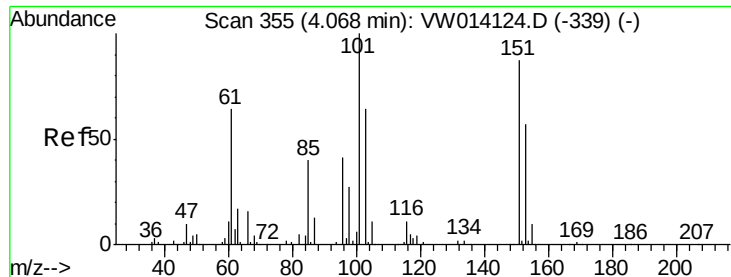
Tgt Ion: 101 Resp: 86218

Ion Ratio Lower Upper

101 100

103 64.5 45.4 84.2





#11

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

Concen: 24.960 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Instrument :

MSVOA_W

ClientSampleId :

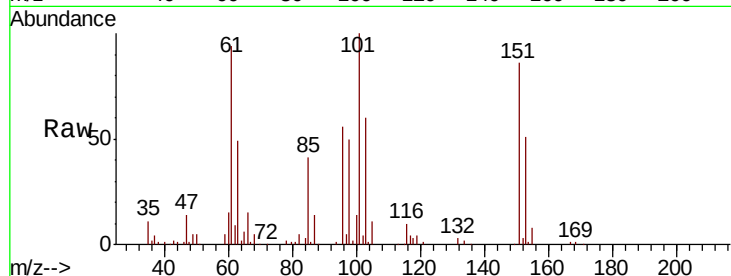
Tot Ion:101 Resp: 126696

Ion Ratio Lower Upper

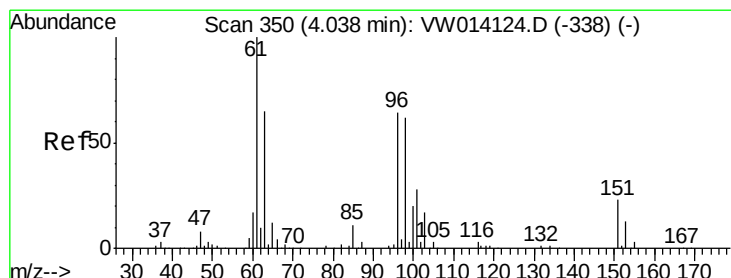
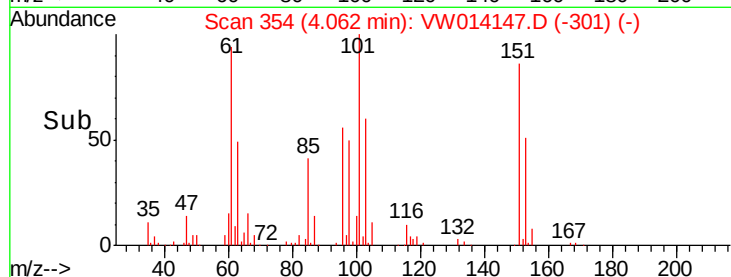
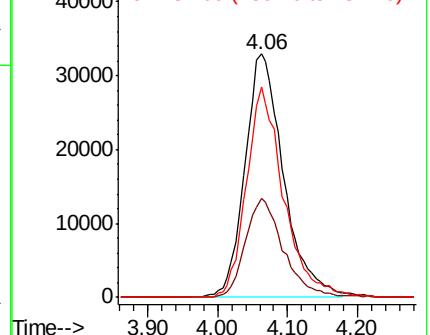
101 100

85 39.5 31.4 47.2

151 81.6 66.9 100.3



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VW
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.265 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

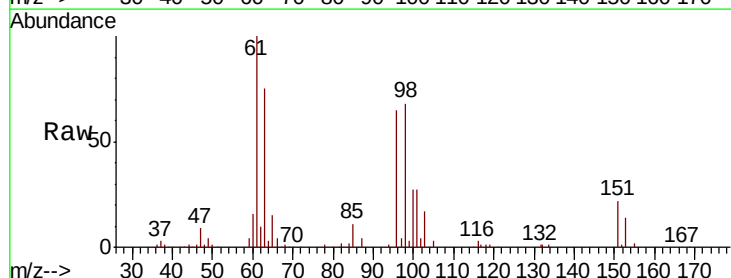
Tgt Ion: 96 Resp: 120044

Ion Ratio Lower Upper

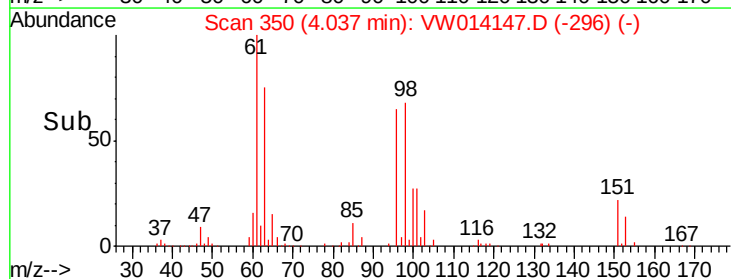
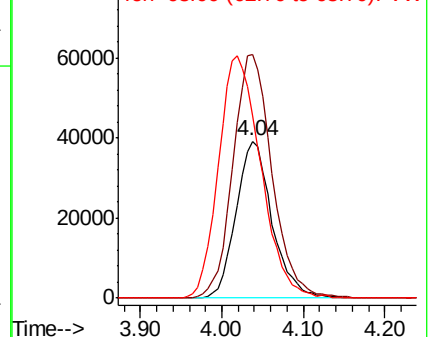
96 100

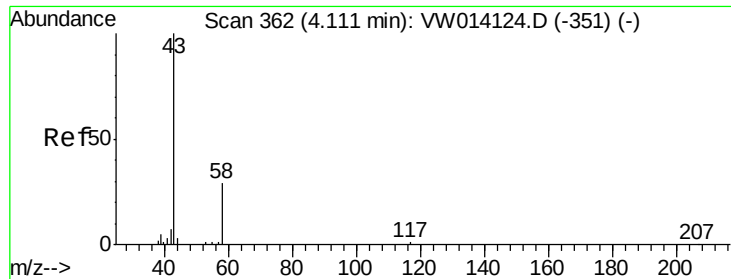
61 155.0 109.8 204.0

63 116.0 80.7 149.9



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.018 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Instrument :

MSVOA_W

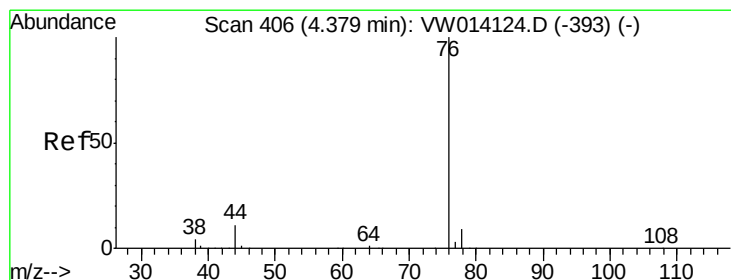
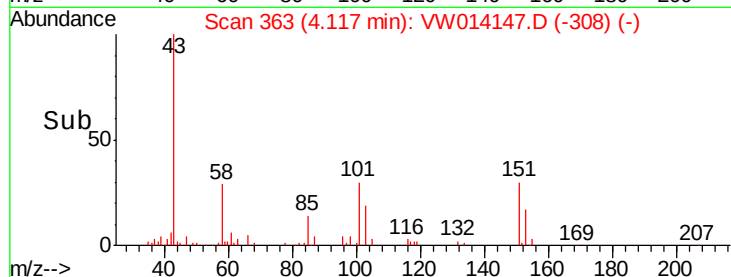
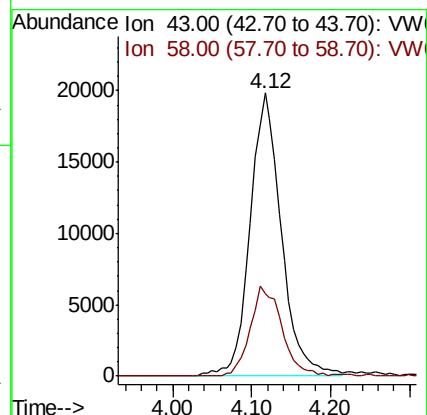
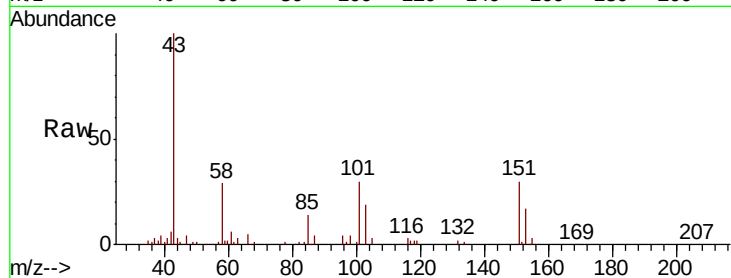
ClientSampleId :

Tot Ion: 43 Resp: 54808

Ion Ratio Lower Upper

43 100

58 31.5 0.0 65.4



#14

Carbon disulfide

Concen: 22.652 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW014147.D

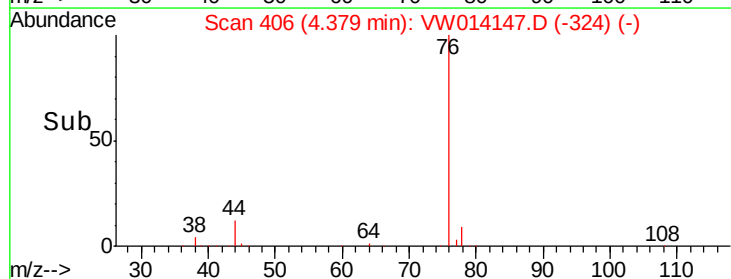
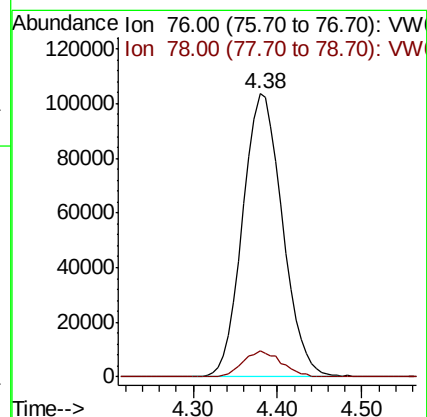
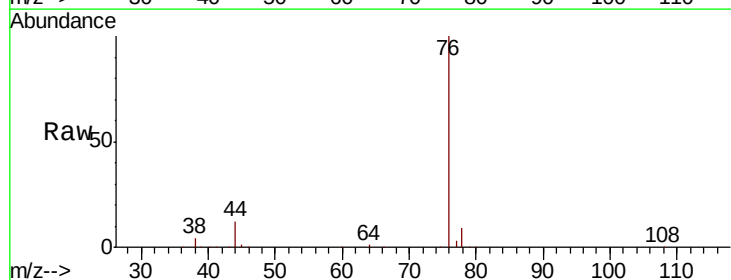
Acq: 27 Nov 2019 09:23

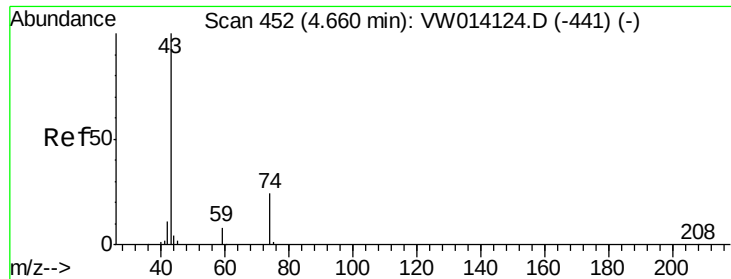
Tgt Ion: 76 Resp: 332658

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8

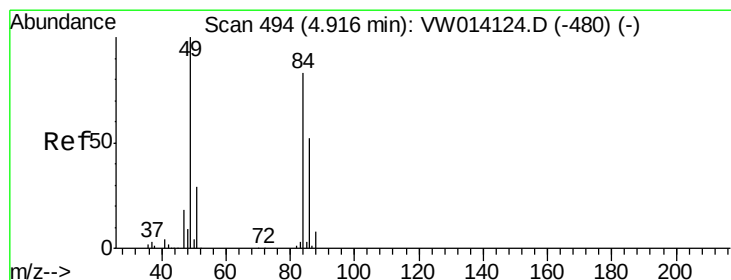
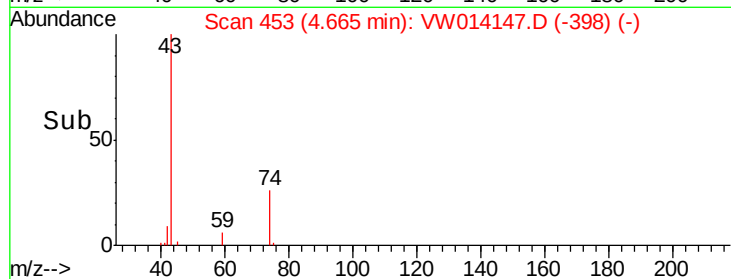
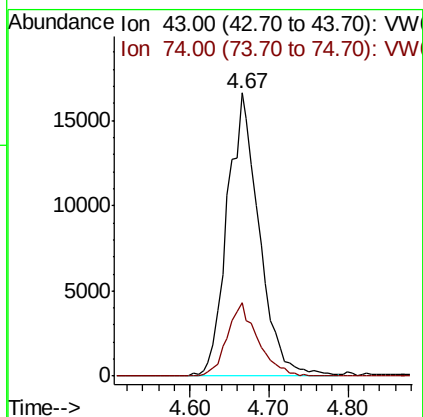
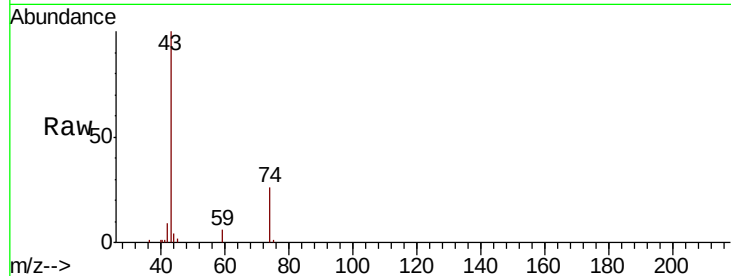




#15
Methvl Acetate
Concen: 20.136 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW014147.D
Acq: 27 Nov 2019 09:23

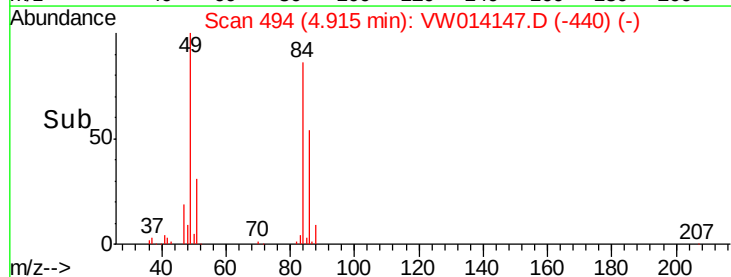
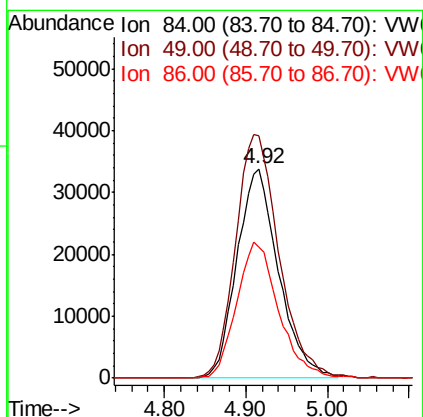
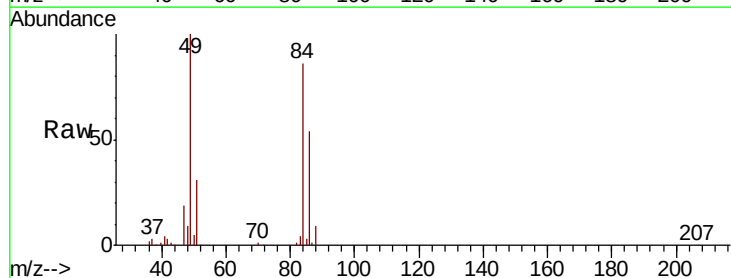
Instrument :
MSVOA_W
ClientSampleId :

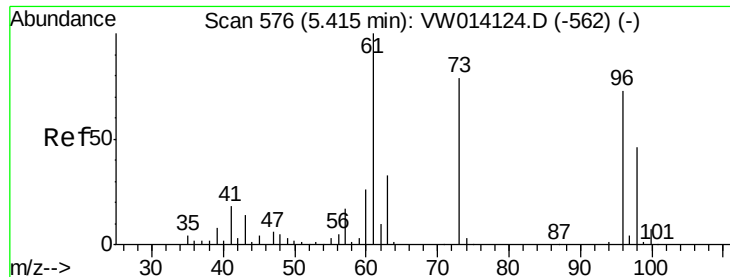
Tot Ion: 43 Resp: 46967
Ion Ratio Lower Upper
43 100
74 24.8 19.3 28.9



#16
Methylene chloride
Concen: 20.320 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014147.D
Acq: 27 Nov 2019 09:23

Tgt Ion: 84 Resp: 119568
Ion Ratio Lower Upper
84 100
49 115.6 84.2 156.4
86 62.7 43.7 81.1

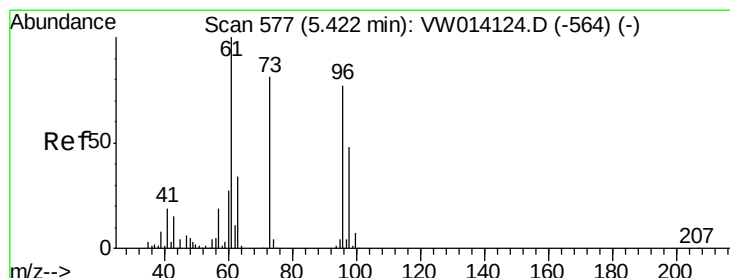
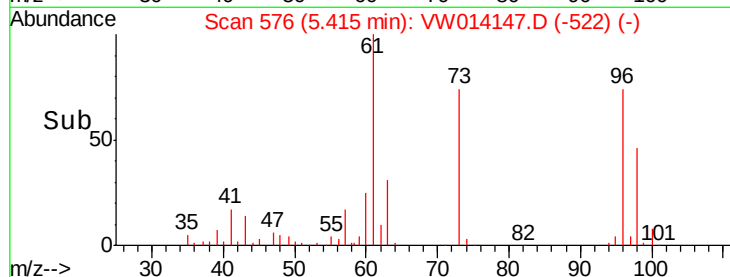
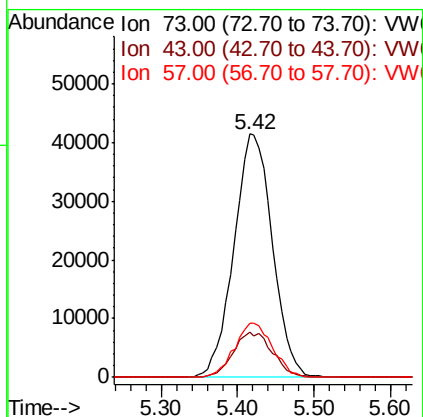
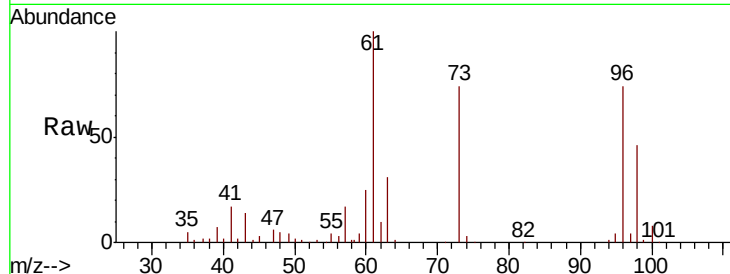




#17
Methyl tert-butyl Ether
Concen: 21.775 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW014147.D
Acq: 27 Nov 2019 09:23

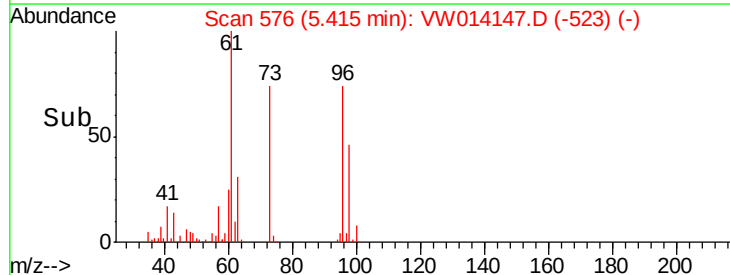
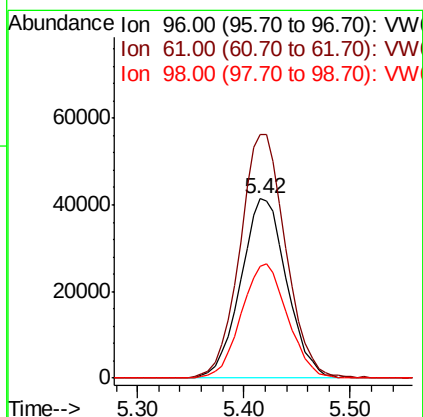
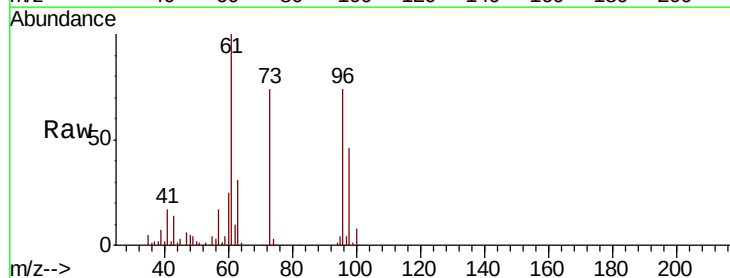
Instrument :
MSVOA_W
ClientSampled :

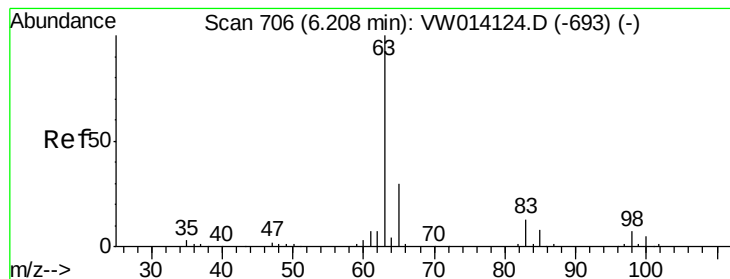
Tot Ion: 73 Resp: 144946
Ion Ratio Lower Upper
73 100
43 18.9 15.5 23.3
57 22.1 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 23.266 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014147.D
Acq: 27 Nov 2019 09:23

Tgt Ion: 96 Resp: 125188
Ion Ratio Lower Upper
96 100
61 135.8 90.6 168.2
98 62.4 42.9 79.7





#19

1,1-Dichloroethane

Concen: 24.713 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Instrument :

MSVOA_W

ClientSampleId :

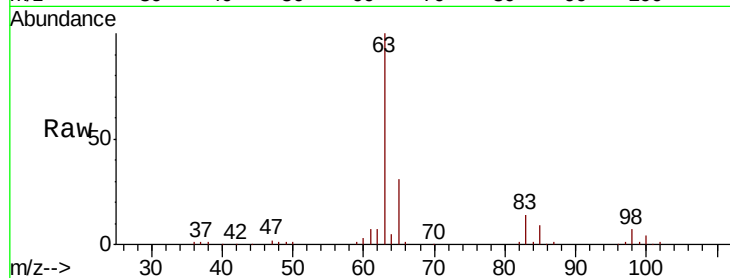
Tot Ion: 63 Resp: 223979

Ion Ratio Lower Upper

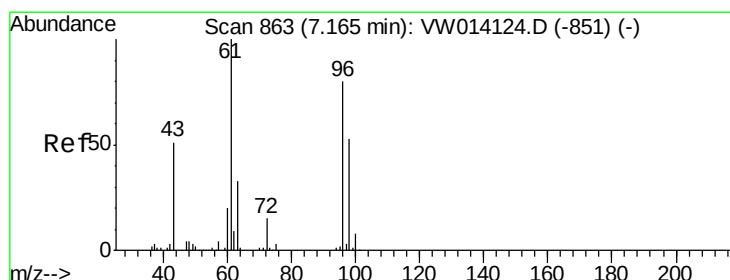
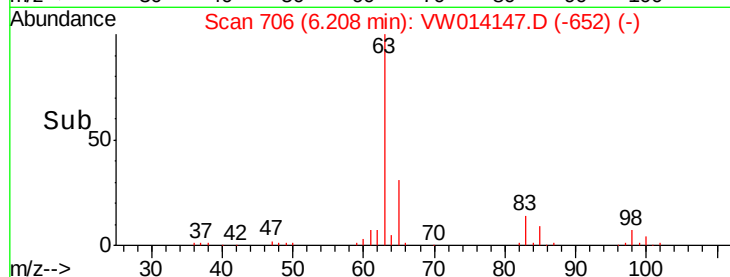
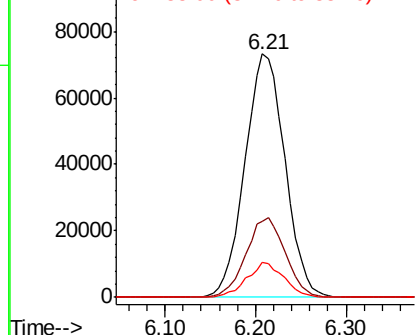
63 100

65 31.2 22.1 41.1

83 14.1 9.0 16.6



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: 36.968 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014147.D

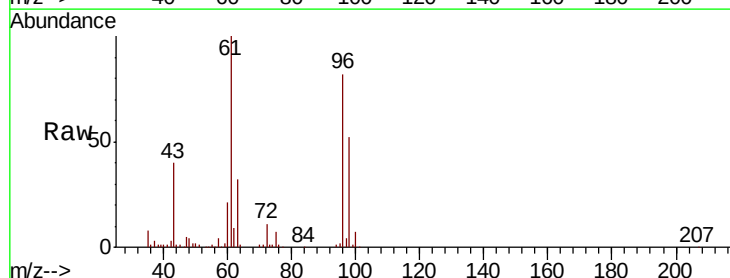
Acq: 27 Nov 2019 09:23

Tgt Ion: 43 Resp: 68468

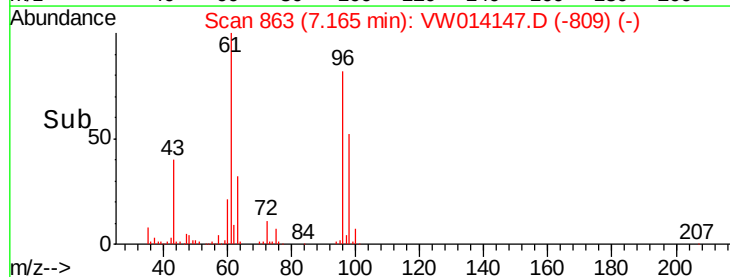
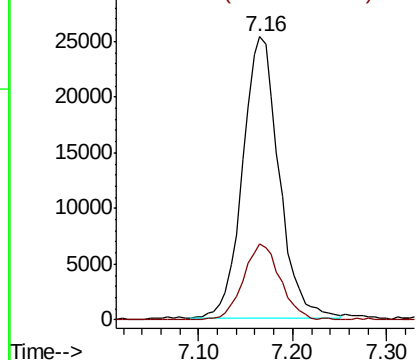
Ion Ratio Lower Upper

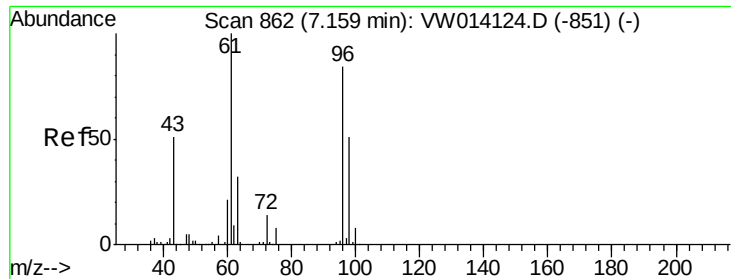
43 100

72 27.4 14.1 42.2



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



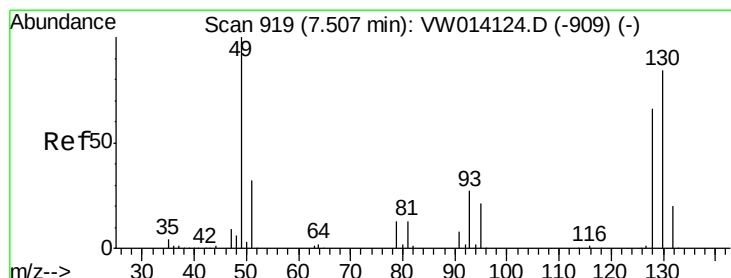
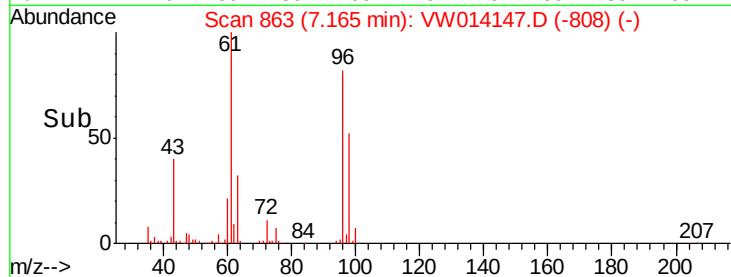
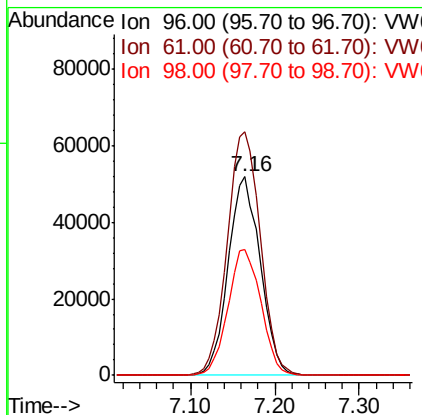
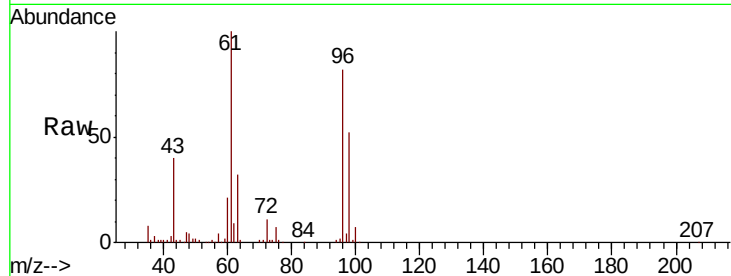


#22

cis-1,2-Dichloroethene
 Concen: 23.770 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW014147.D
 Acq: 27 Nov 2019 09:23

Instrument :
 MSVOA_W
 ClientSampleId :

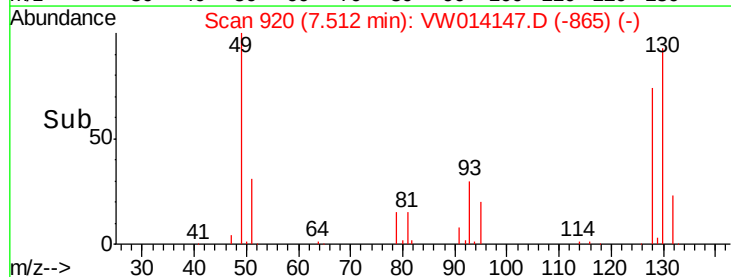
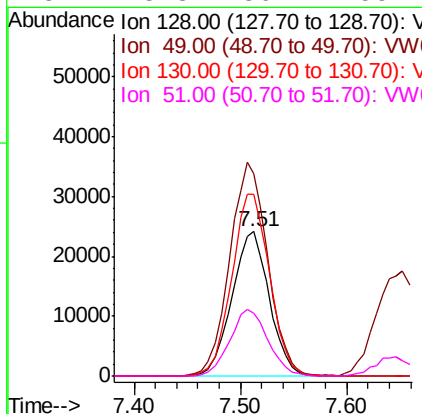
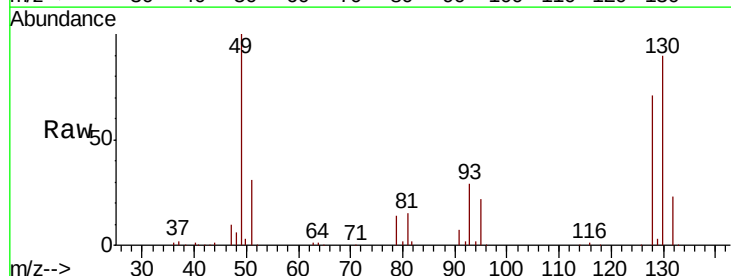
Tot Ion	Ratio	Lower	Upper
96	100		
61	122.6	86.9	161.5
98	63.3	45.5	84.5

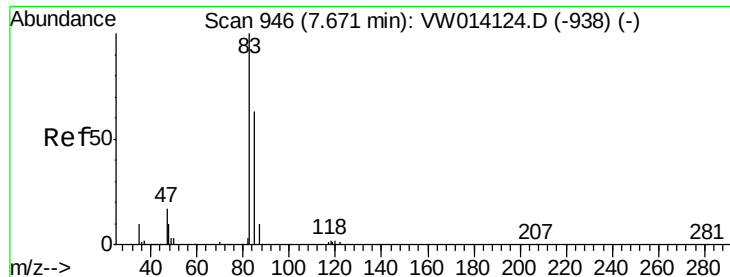


#23

Bromochloromethane
 Concen: 23.821 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW014147.D
 Acq: 27 Nov 2019 09:23

Tgt Ion	Ratio	Lower	Upper
128	100		
49	140.4	95.1	176.5
130	125.8	85.0	158.0
51	43.3	36.7	55.1





#25

Chloroform

Concen: 24.923 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Instrument :

MSVOA_W

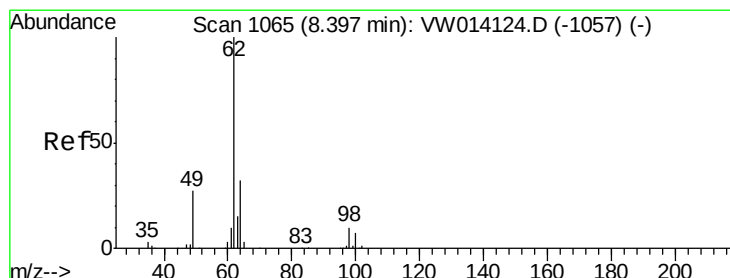
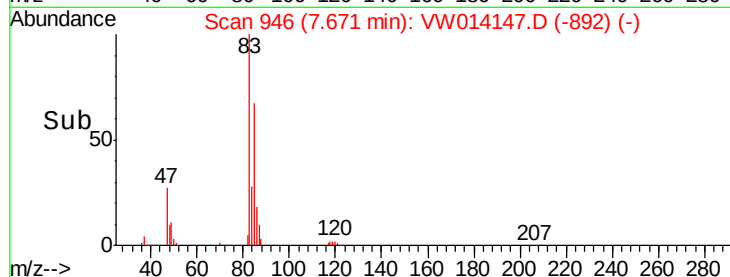
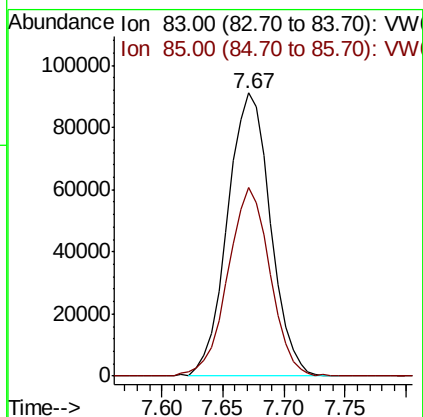
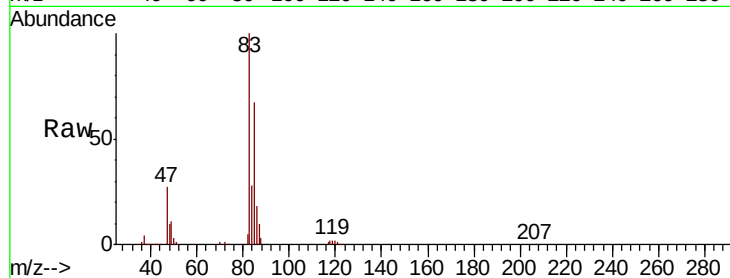
ClientSampled :

Tot Ion: 83 Resp: 221820

Ion Ratio Lower Upper

83 100

85 65.2 46.1 85.7



#27

1,2-Dichloroethane

Concen: 24.208 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014147.D

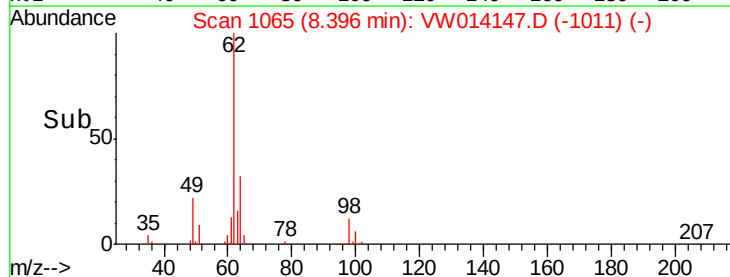
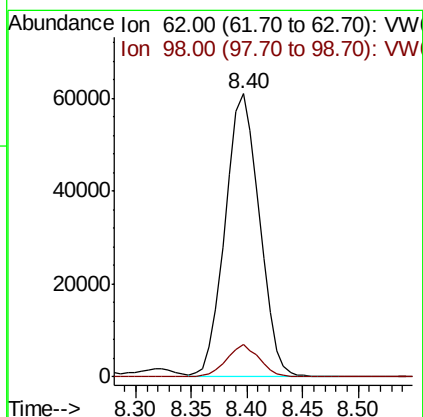
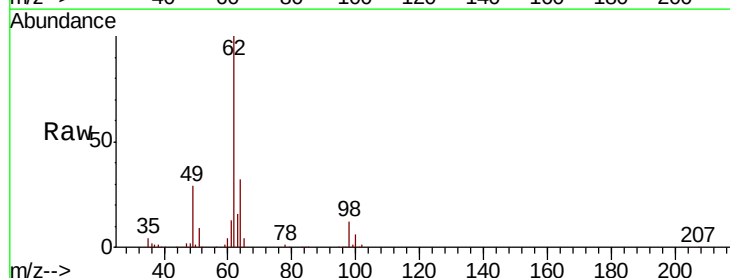
Acq: 27 Nov 2019 09:23

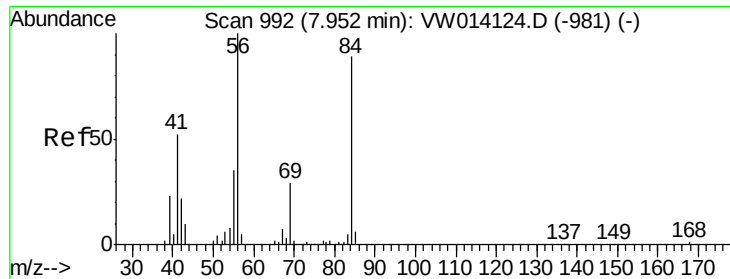
Tgt Ion: 62 Resp: 130447

Ion Ratio Lower Upper

62 100

98 11.5 9.3 13.9

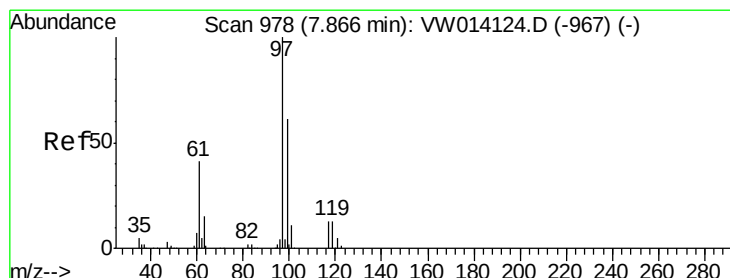
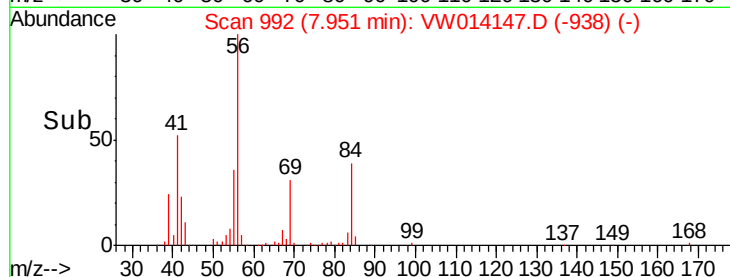
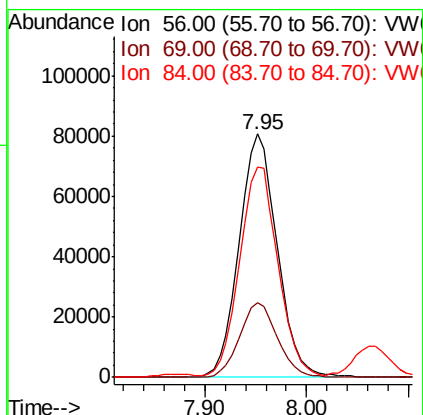
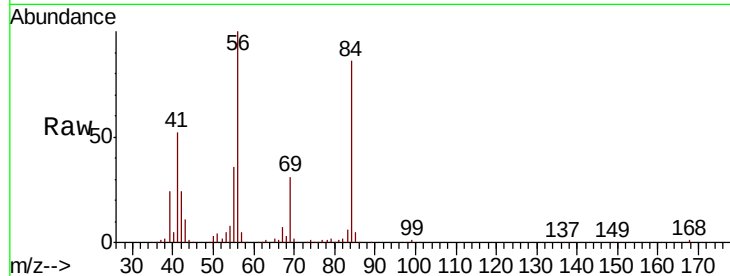




#30
Cyclohexane
Concen: 22.317 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014147.D
Acq: 27 Nov 2019 09:23

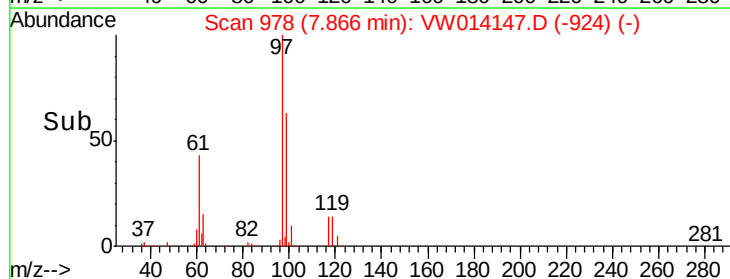
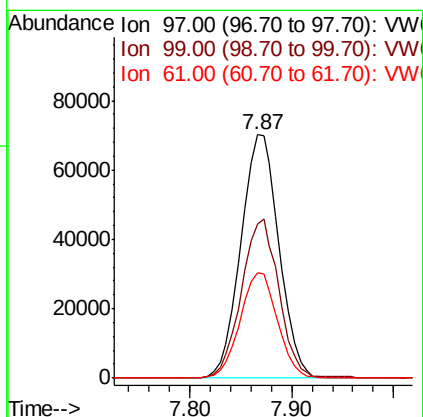
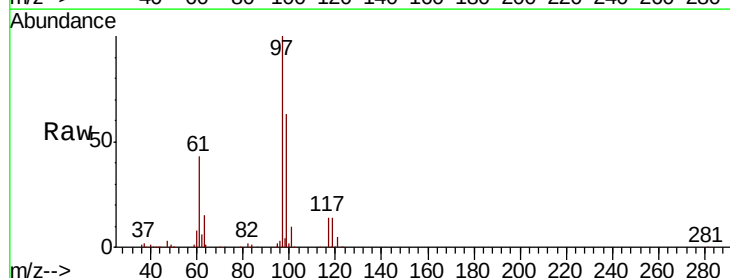
Instrument :
MSVOA_W
ClientSampled :

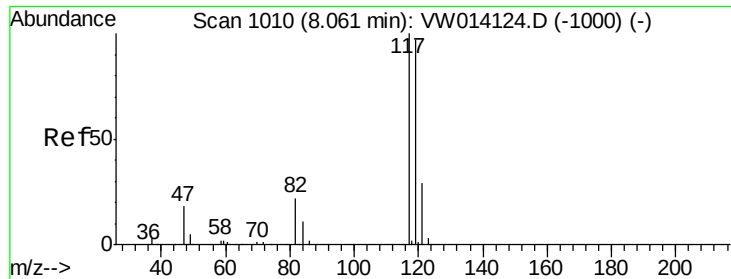
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.6	37.0
84	87.6	70.2	105.2



#31
1,1,1-Trichloroethane
Concen: 24.784 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW014147.D
Acq: 27 Nov 2019 09:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.1	76.7
61	42.6	32.8	49.2





#32

Carbon tetrachloride

Concen: 24.542 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Instrument :

MSVOA_W

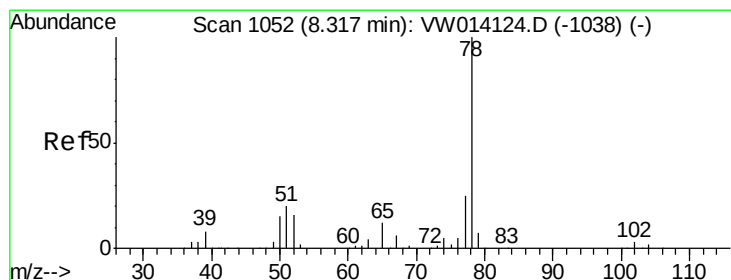
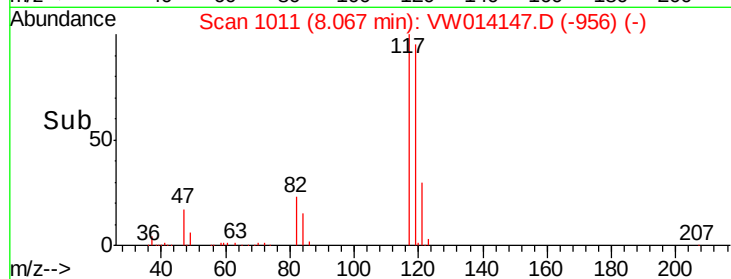
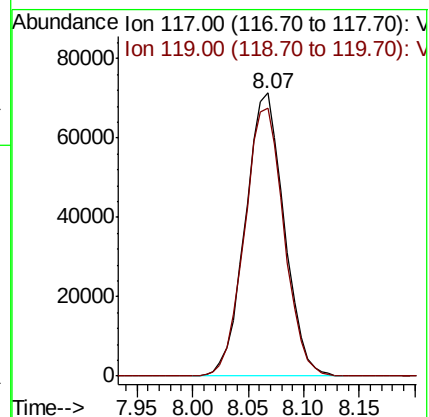
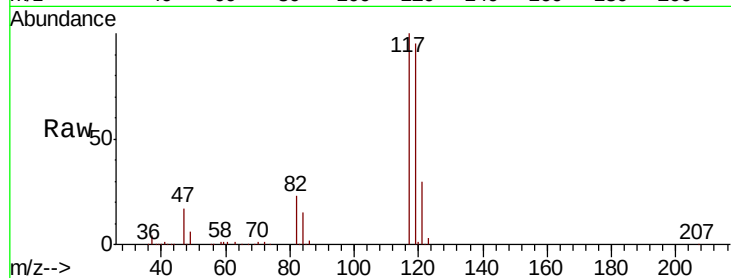
ClientSampleId :

Tot Ion:117 Resp: 173006

Ion Ratio Lower Upper

117 100

119 96.3 76.7 115.1



#34

Benzene

Concen: 24.096 ug/L

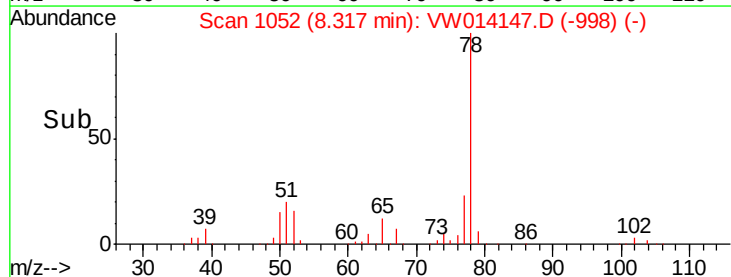
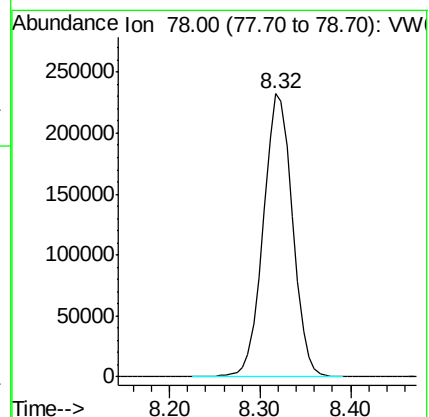
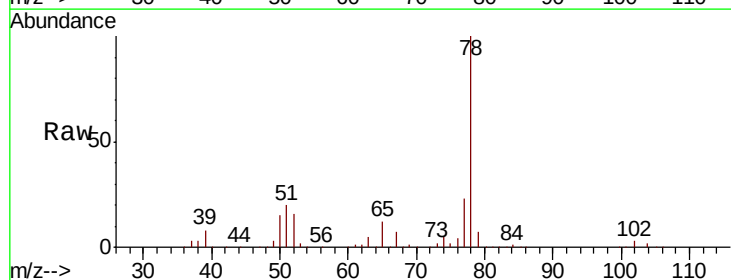
RT: 8.32 min Scan# 1052

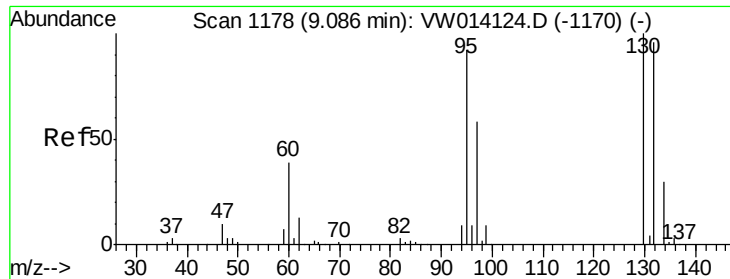
Delta R.T. -0.00 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Tgt Ion: 78 Resp: 517918

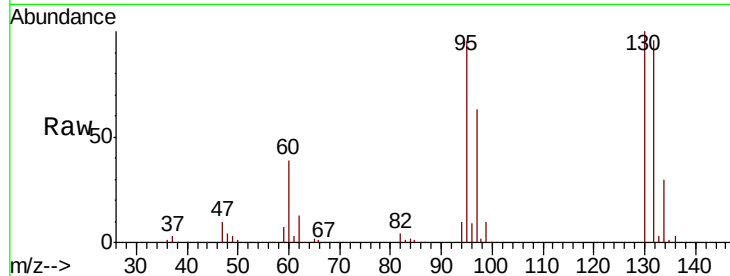




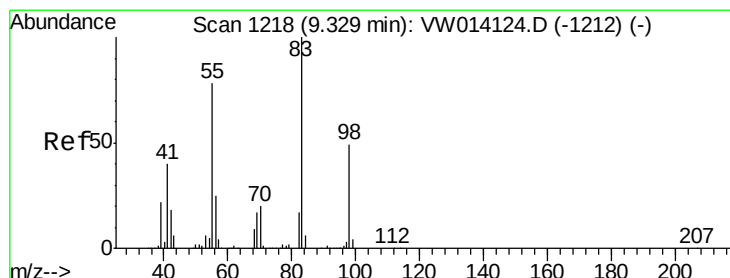
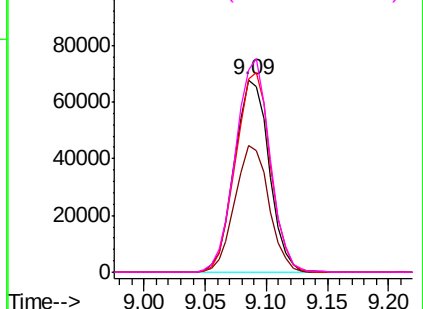
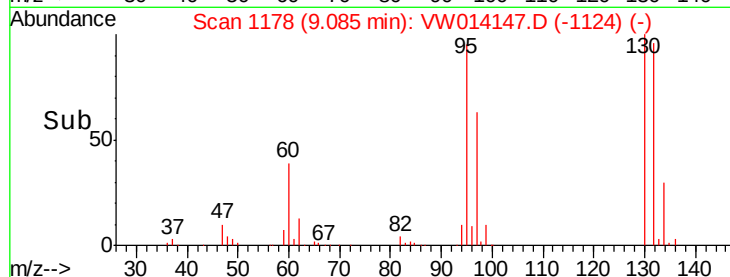
#35
 Trichloroethene
 Concen: 23.335 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW014147.D
 Acq: 27 Nov 2019 09:23

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 133790
 Ion Ratio Lower Upper
 95 100
 97 64.8 45.1 83.9
 132 104.0 73.7 136.9
 130 110.0 76.6 142.2

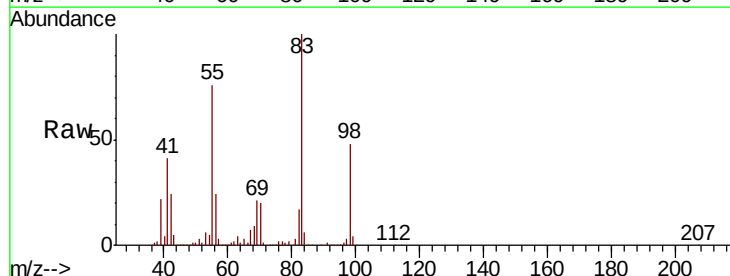


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

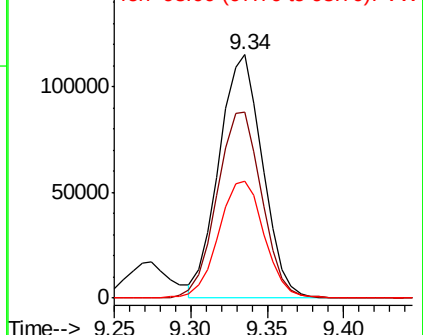
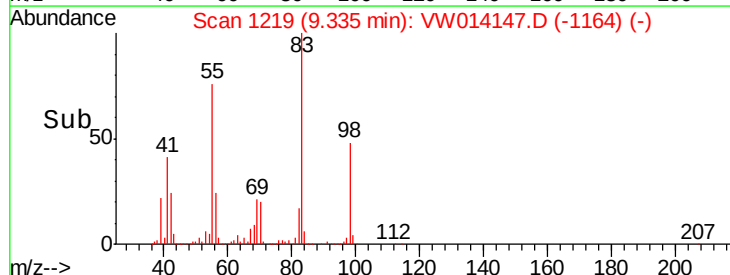


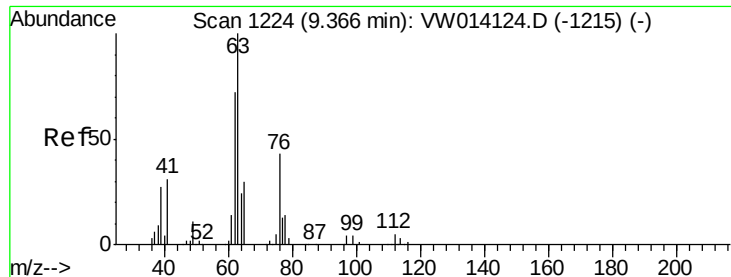
#36
 Methylcyclohexane
 Concen: 22.285 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW014147.D
 Acq: 27 Nov 2019 09:23

Tgt Ion: 83 Resp: 229093
 Ion Ratio Lower Upper
 83 100
 55 78.4 59.8 89.8
 98 50.1 39.5 59.3



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: 24.217 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Instrument :

MSVOA_W

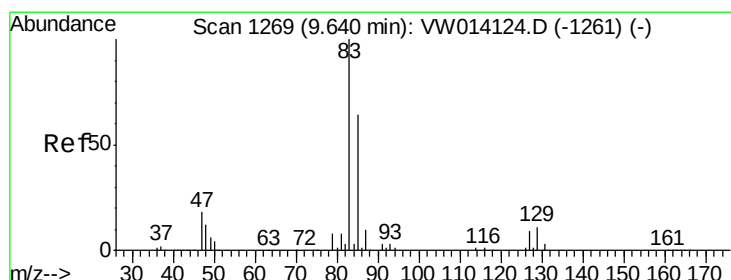
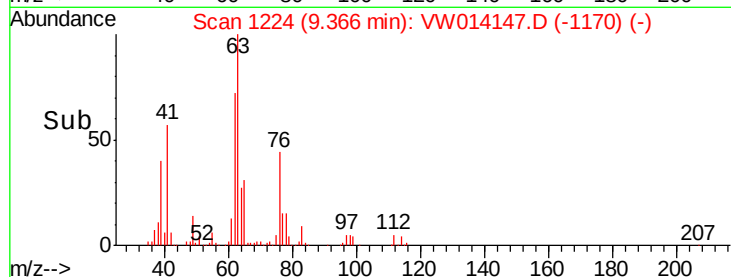
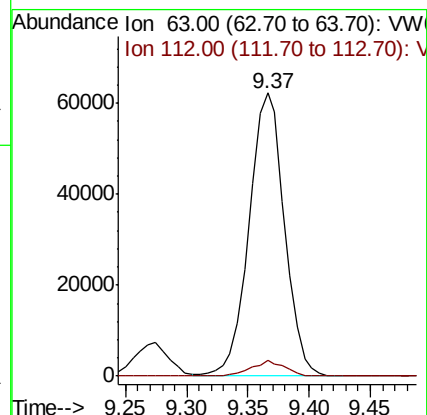
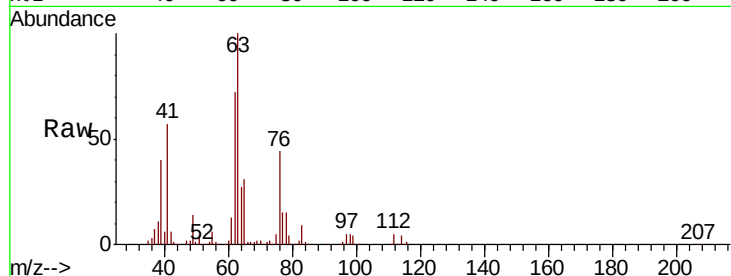
ClientSampleId :

Tot Ion: 63 Resp: 125303

Ion Ratio Lower Upper

63 100

112 5.1 3.9 5.9



#41

Bromodichloromethane

Concen: 24.535 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

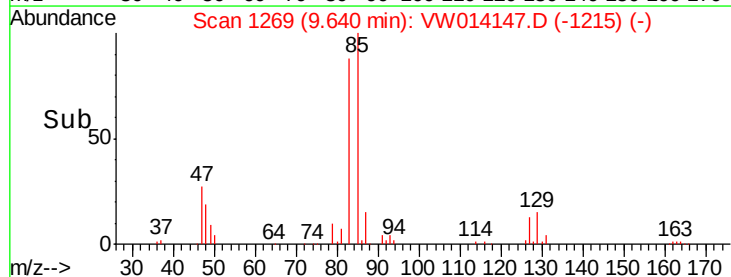
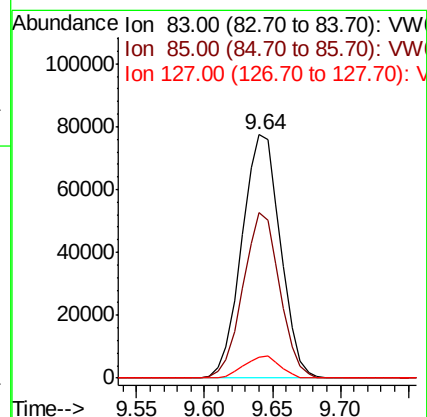
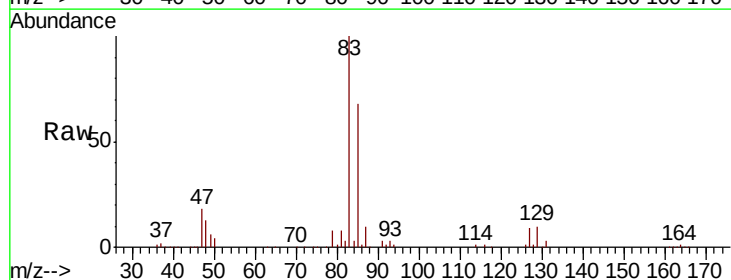
Tgt Ion: 83 Resp: 153472

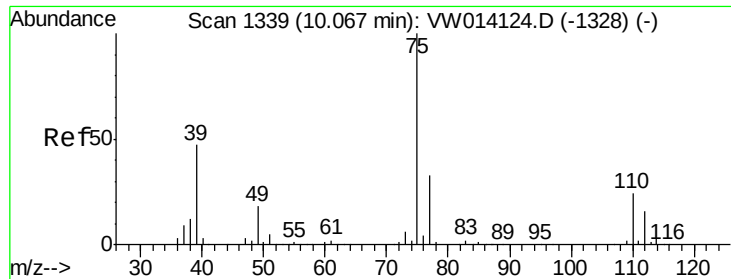
Ion Ratio Lower Upper

83 100

85 68.2 45.1 83.7

127 8.6 7.4 11.0

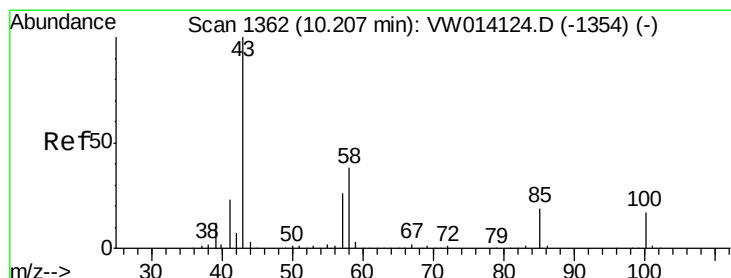
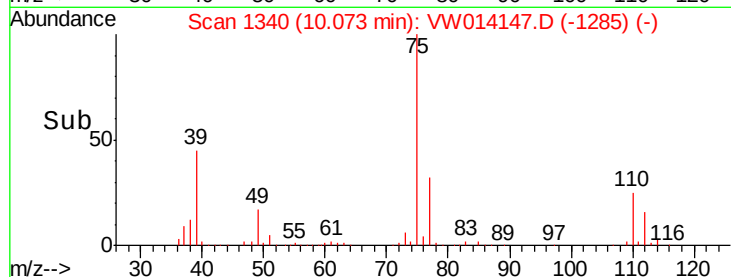
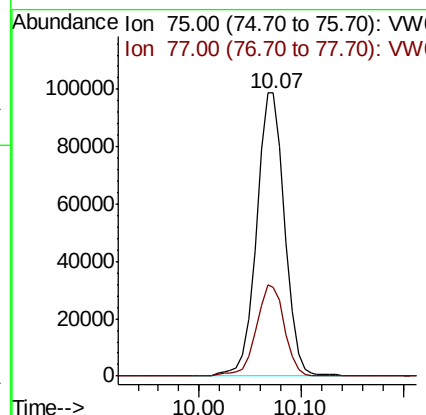
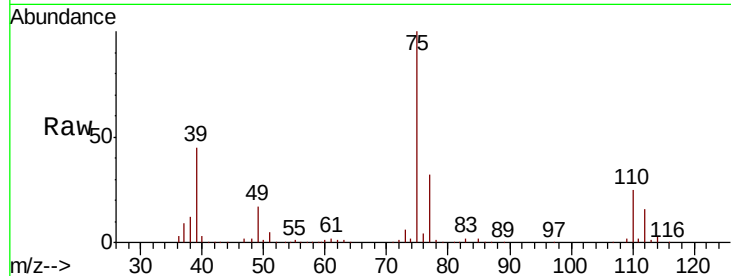




#42
 cis-1,3-Dichloropropene
 Concen: 23.240 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.01 min
 Lab File: VW014147.D
 Acq: 27 Nov 2019 09:23

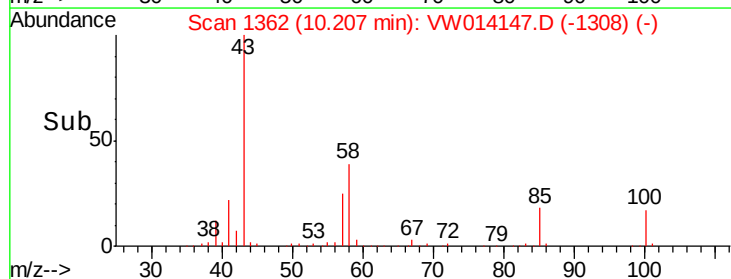
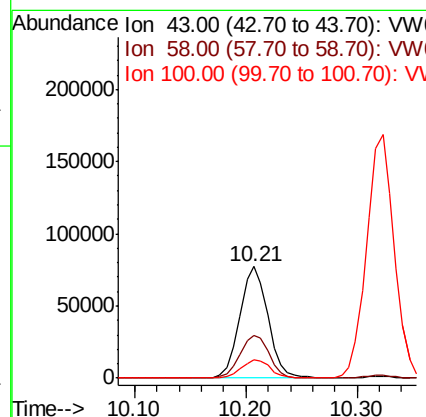
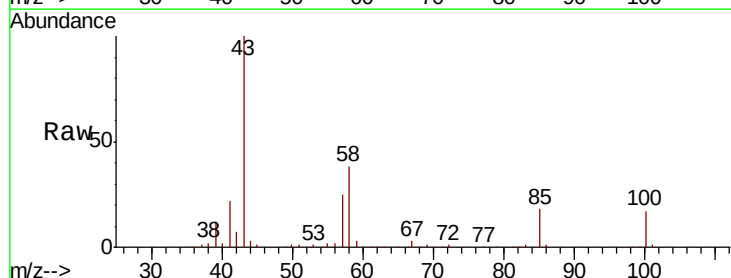
Instrument :
 MSVOA_W
 ClientSampled :

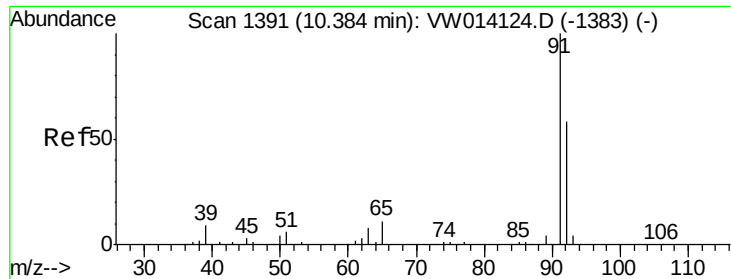
Tot Ion: 75 Resp: 189758
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.1 41.1



#43
 4-Methyl-2-pentanone
 Concen: 39.551 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014147.D
 Acq: 27 Nov 2019 09:23

Tgt Ion: 43 Resp: 135117
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.6 49.0
 100 16.8 13.8 20.8





#44

Toluene

Concen: 23.723 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Instrument :

MSVOA_W

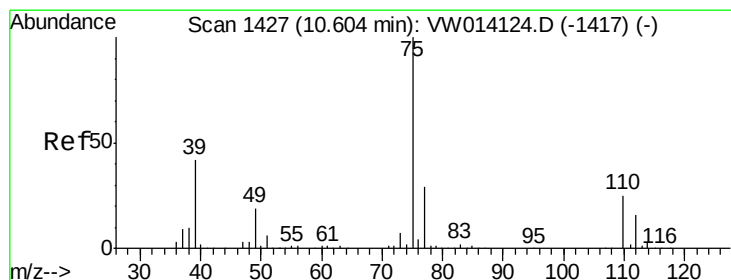
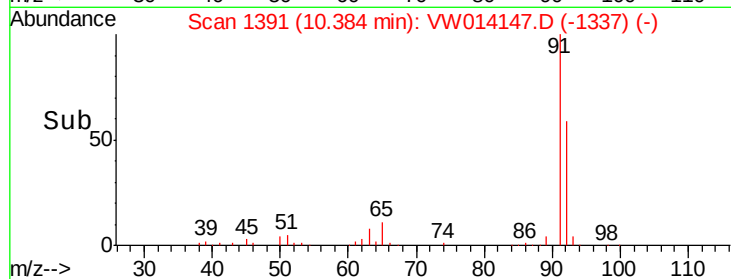
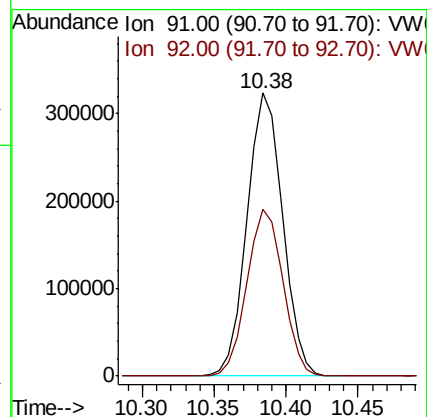
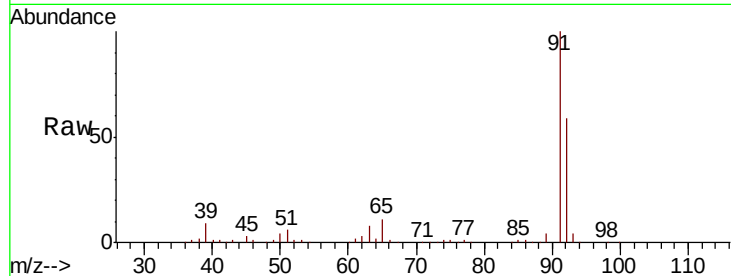
ClientSampleId :

Tot Ion: 91 Resp: 555936

Ion Ratio Lower Upper

91 100

92 59.1 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 23.117 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014147.D

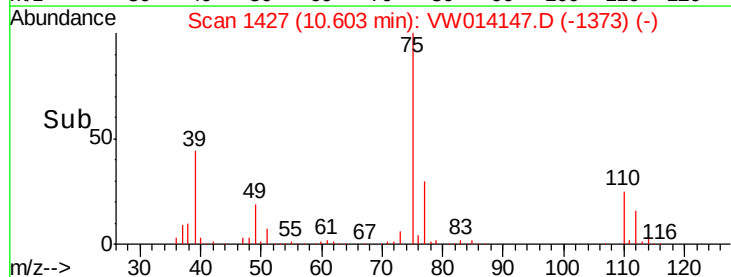
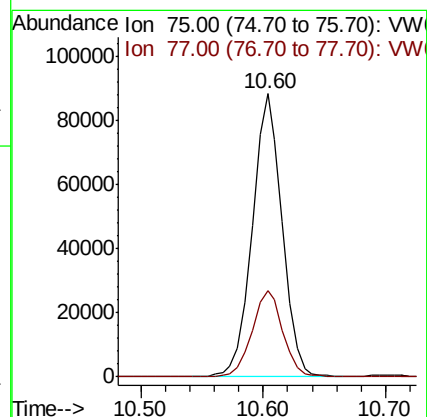
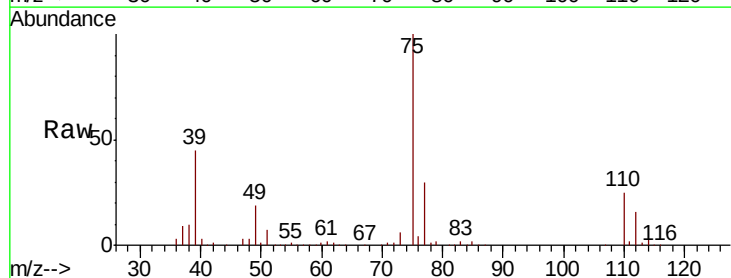
Acq: 27 Nov 2019 09:23

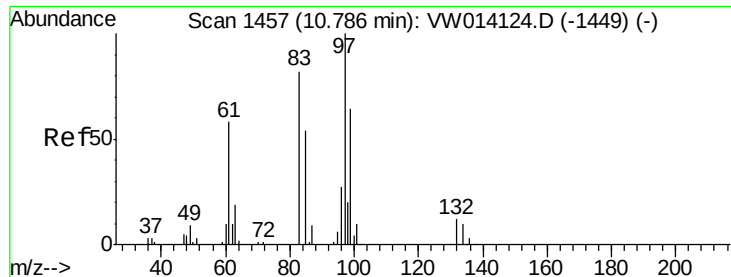
Tgt Ion: 75 Resp: 149268

Ion Ratio Lower Upper

75 100

77 30.4 21.8 40.6

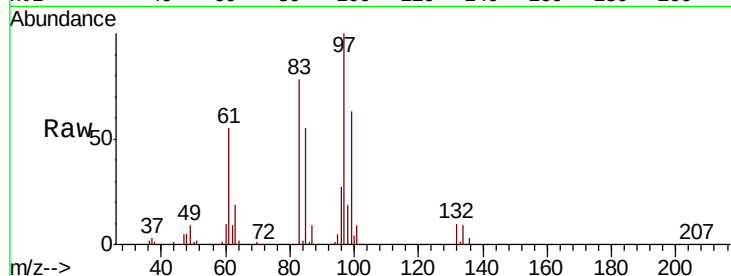




#46
1,1,2-Trichloroethane
Concen: 22.853 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW014147.D
Acq: 27 Nov 2019 09:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	97	Resp	86883
Ion	Ratio	Lower	Upper
97	100		
83	78.2	58.9	109.5
85	54.7	38.1	70.9
99	63.3	46.5	86.3



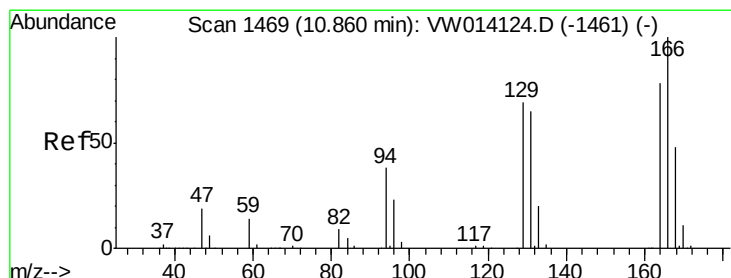
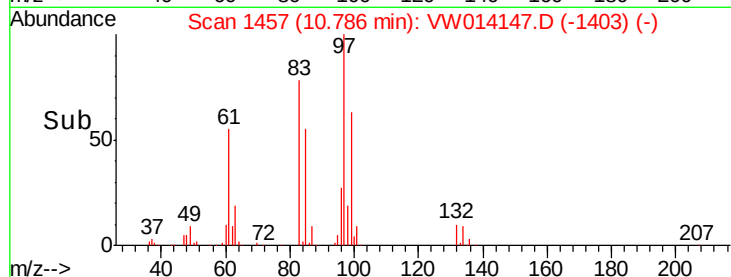
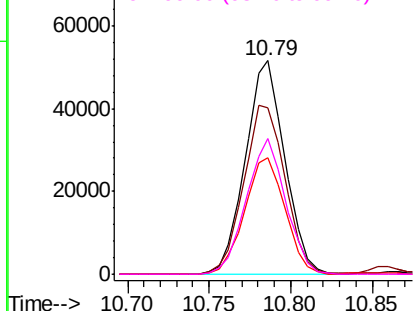
Abundance

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: 23.773 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014147.D
Acq: 27 Nov 2019 09:23

Tgt Ion	164	Resp	121489
Ion	Ratio	Lower	Upper
164	100		
129	87.8	60.6	112.6
131	82.8	59.1	109.7
166	132.1	90.8	168.6

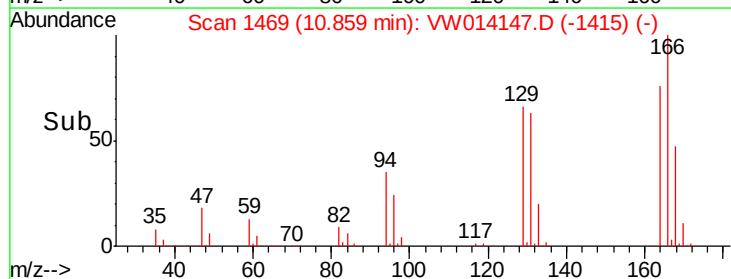
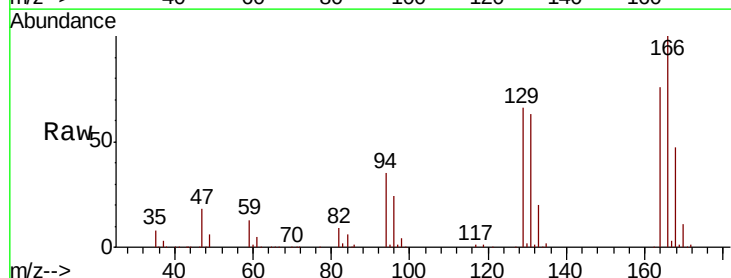
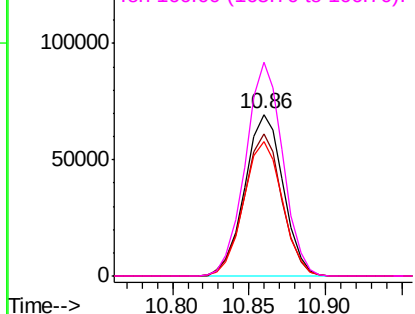
Abundance

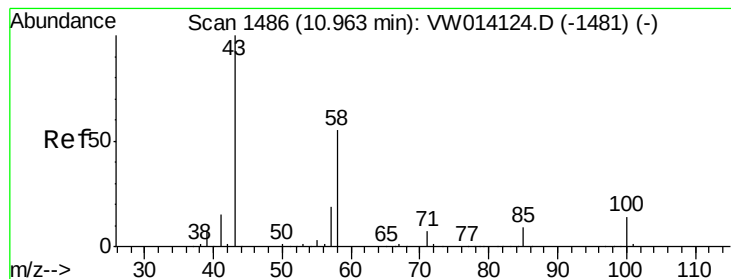
Ion 164.00 (163.70 to 164.70): V

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: 39.961 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 98421

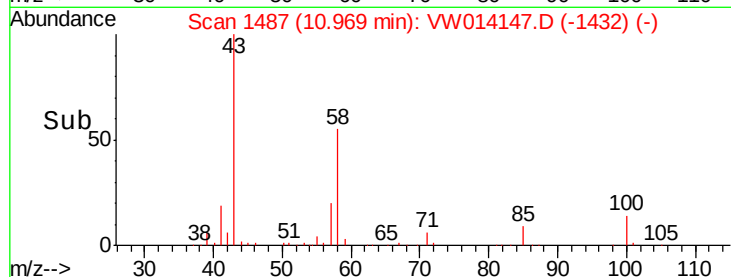
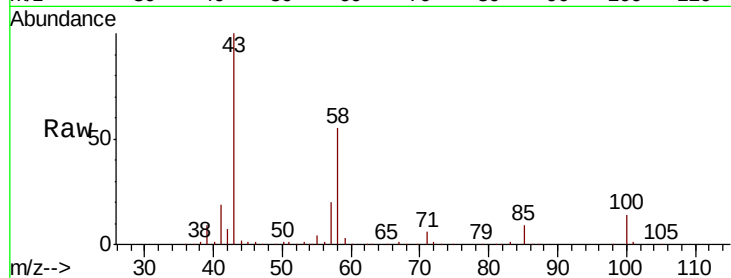
Ion Ratio Lower Upper

43 100

58 56.0 44.4 66.6

57 19.3 16.5 24.7

100 13.4 11.1 16.7

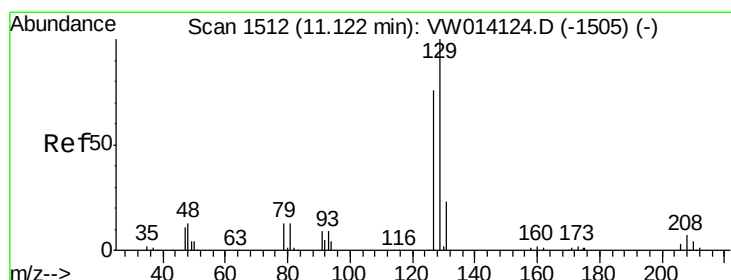
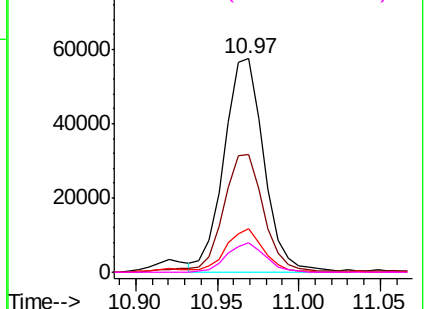


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 23.995 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.01 min

Lab File: VW014147.D

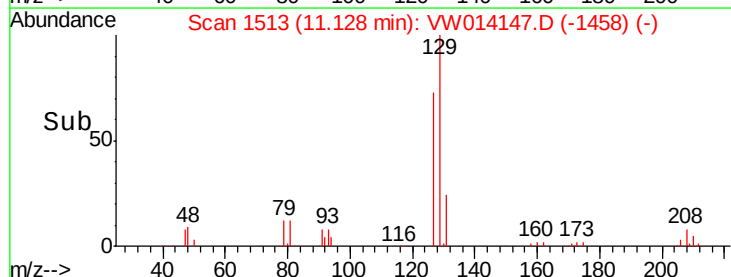
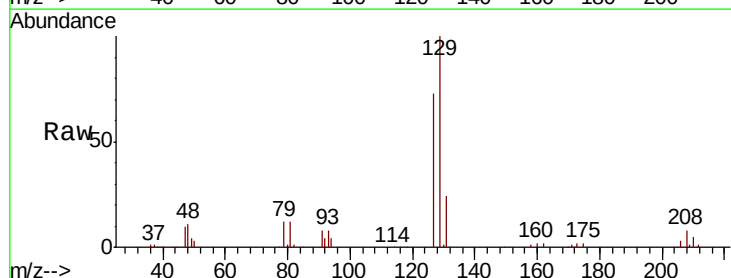
Acq: 27 Nov 2019 09:23

Tgt Ion:129 Resp: 107226

Ion Ratio Lower Upper

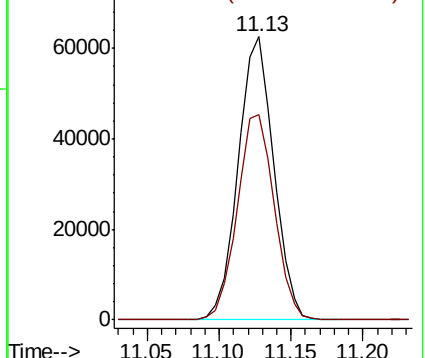
129 100

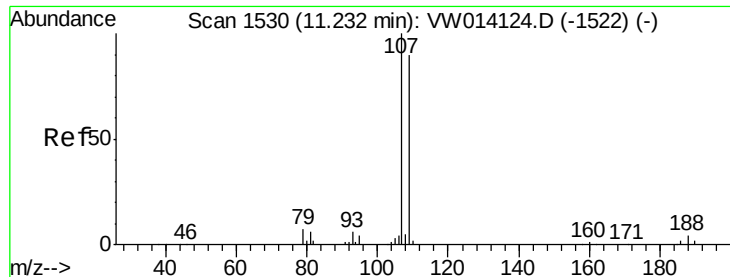
127 72.7 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

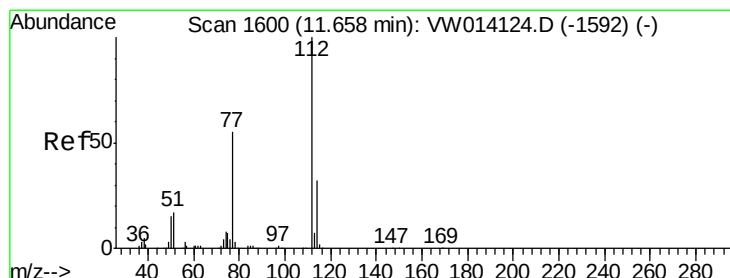
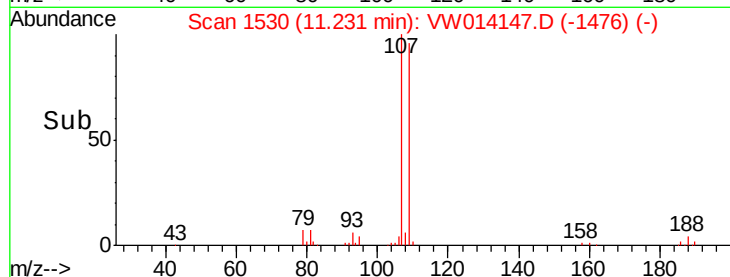
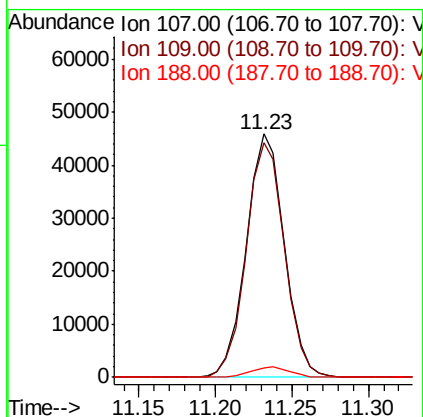
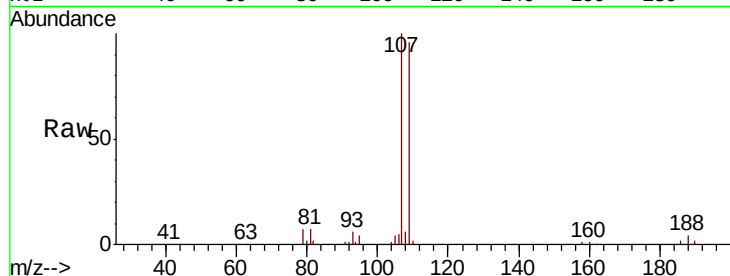




#51
1,2-Dibromoethane
Concen: 21.473 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014147.D
Acq: 27 Nov 2019 09:23

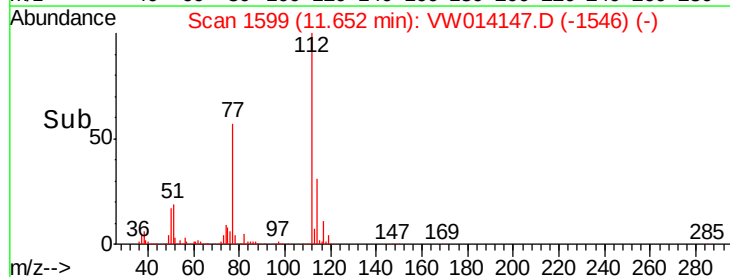
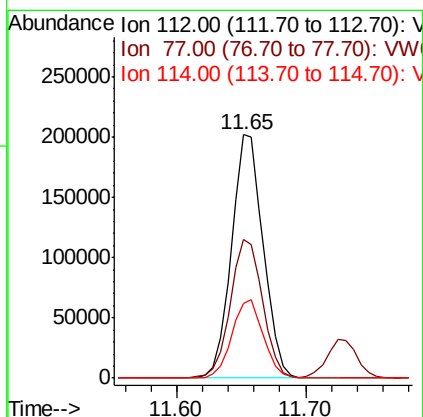
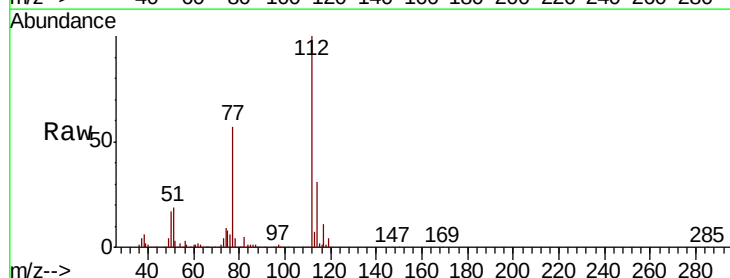
Instrument :
MSVOA_W
ClientSampleId :

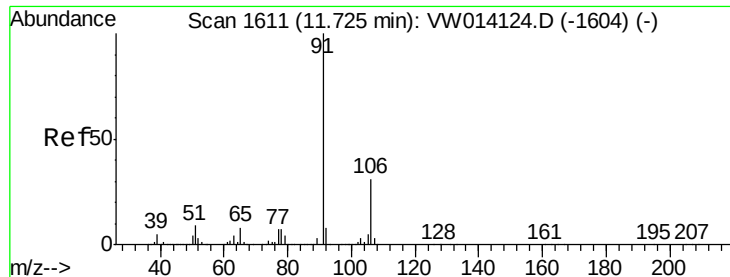
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	64.6	120.0
188	4.0	3.9	5.9



#52
Chlorobenzene
Concen: 23.508 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014147.D
Acq: 27 Nov 2019 09:23

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.7	42.2	63.4
114	30.8	22.5	41.9

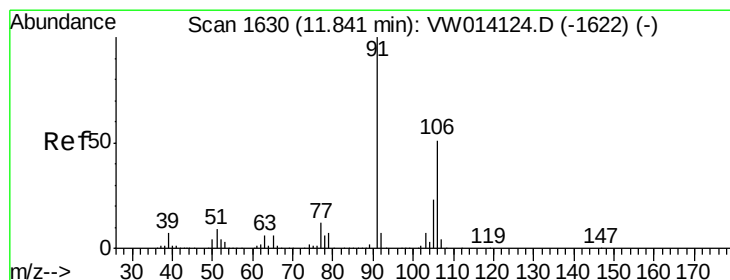
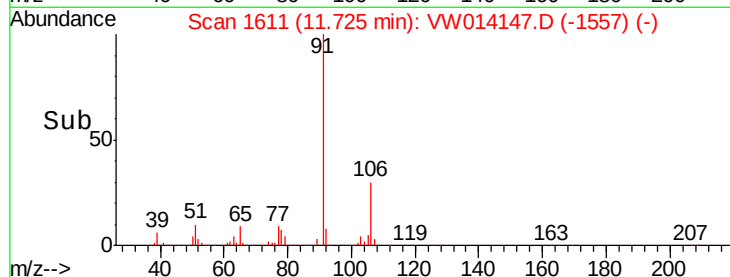
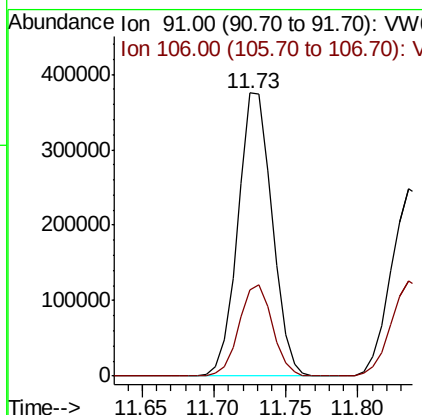
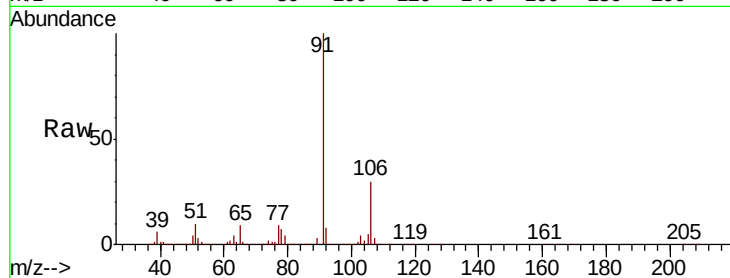




#53
Ethylbenzene
Concen: 24.060 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW014147.D
Acq: 27 Nov 2019 09:23

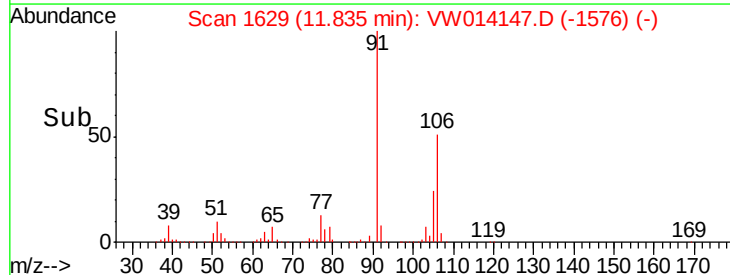
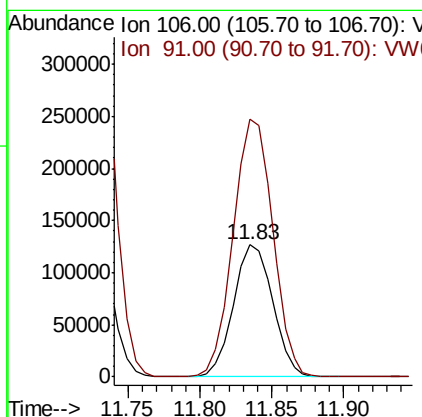
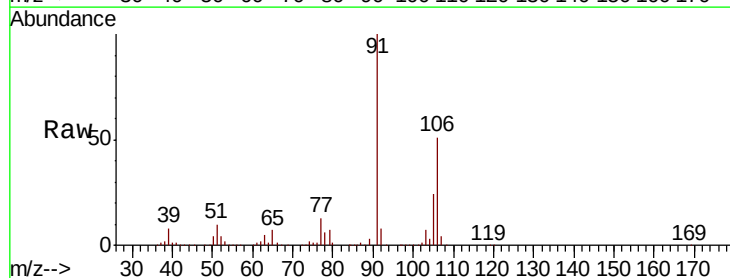
Instrument :
MSVOA_W
ClientSampleId :

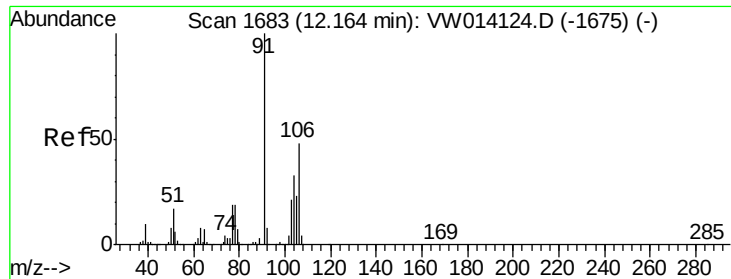
Tot Ion: 91 Resp: 618714
Ion Ratio Lower Upper
91 100
106 30.3 22.3 41.5



#54
m,p-Xylene
Concen: 24.050 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW014147.D
Acq: 27 Nov 2019 09:23

Tgt Ion: 106 Resp: 240347
Ion Ratio Lower Upper
106 100
91 195.7 138.7 257.5





#55

o-xylene

Concen: 24.031 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Instrument :

MSVOA_W

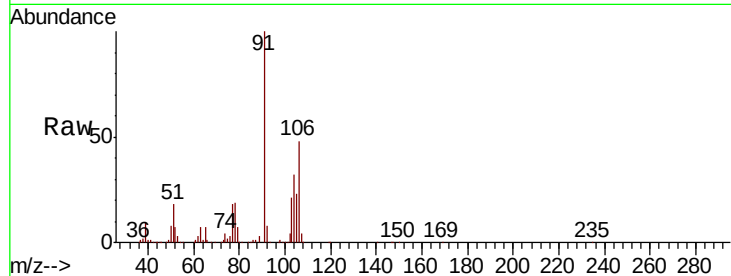
ClientSampled :

Tot Ion:106 Resp: 224892

Ion Ratio Lower Upper

106 100

91 208.1 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

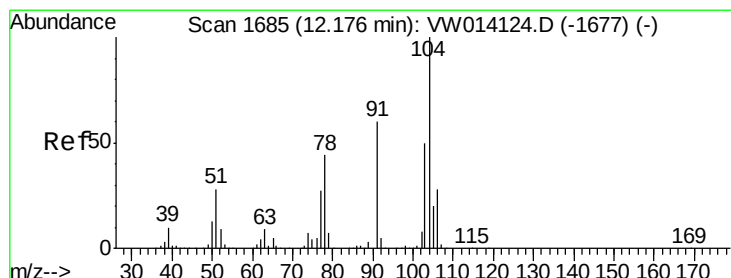
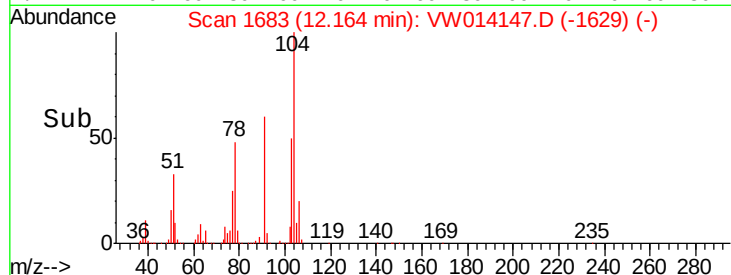
200000

100000

0

12.10 12.15 12.20

Time-->



#56

Styrene

Concen: 24.300 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014147.D

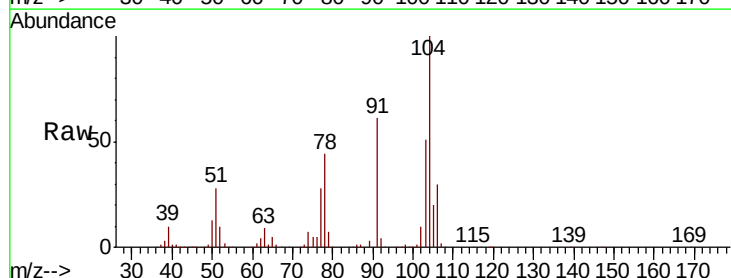
Acq: 27 Nov 2019 09:23

Tgt Ion:104 Resp: 384162

Ion Ratio Lower Upper

104 100

78 43.9 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

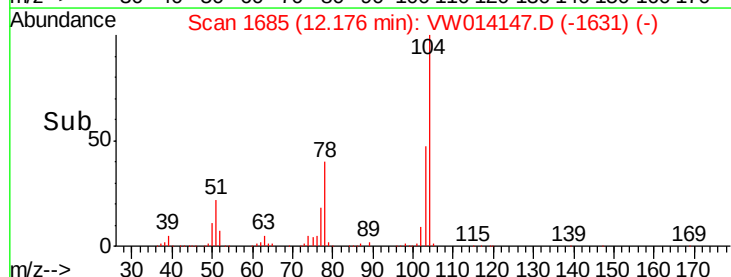
100000

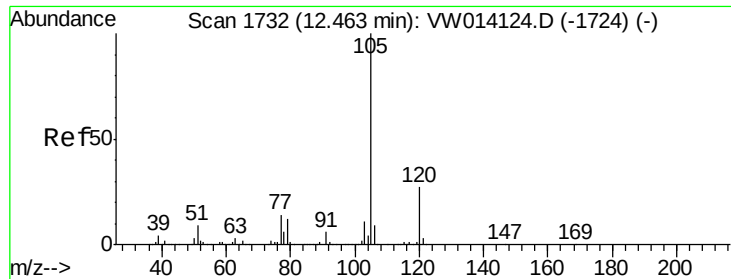
50000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 24.178 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014147.D

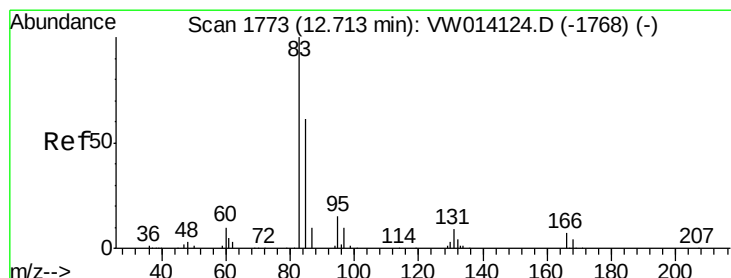
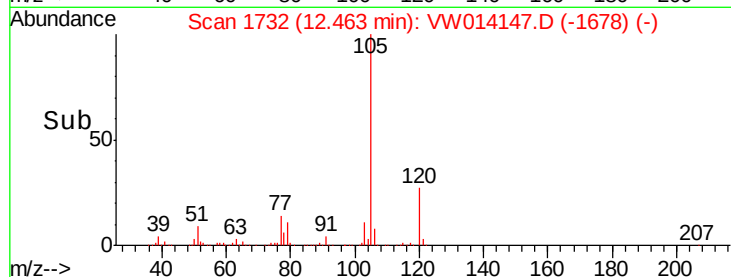
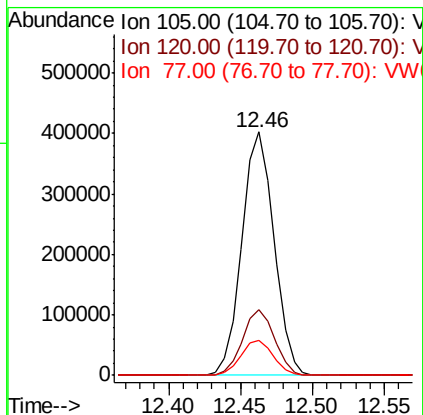
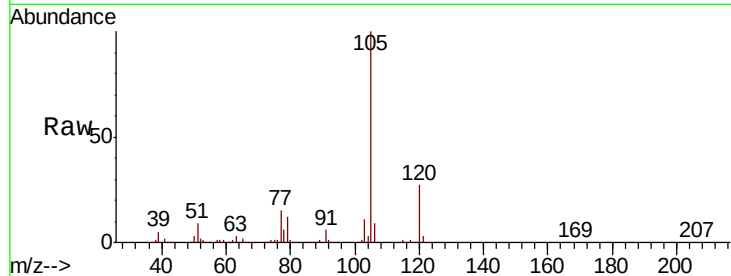
Acq: 27 Nov 2019 09:23

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	105	Resp:	622125
Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.6	32.4
77	14.6	11.6	17.4



#58

1,1,2,2-Tetrachloroethane

Concen: 22.300 ug/L

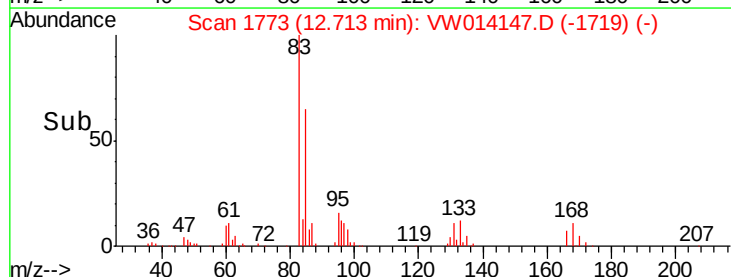
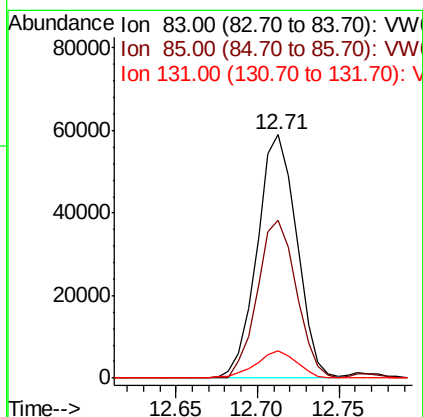
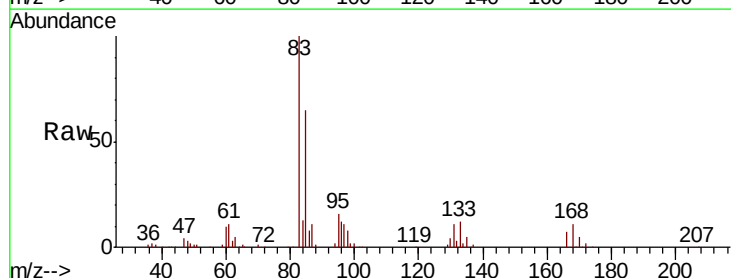
RT: 12.71 min Scan# 1773

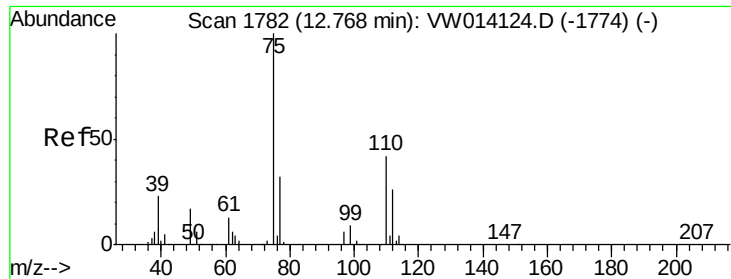
Delta R.T. -0.00 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Tgt Ion:	83	Resp:	98978
Ion	Ratio	Lower	Upper
83	100		
85	64.6	43.7	81.1
131	11.3	8.2	12.2

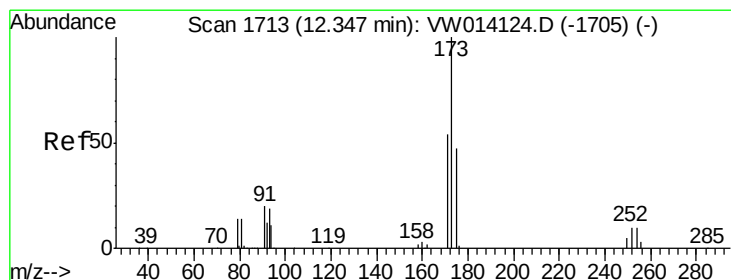
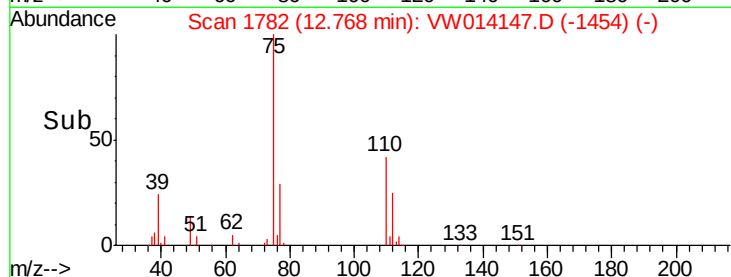
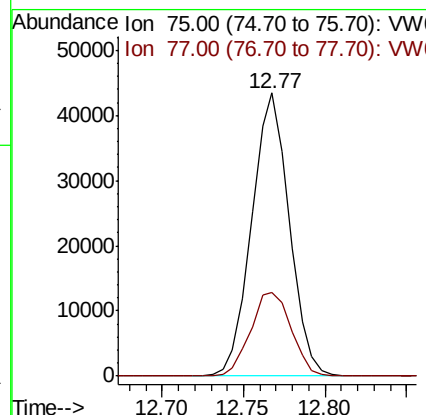
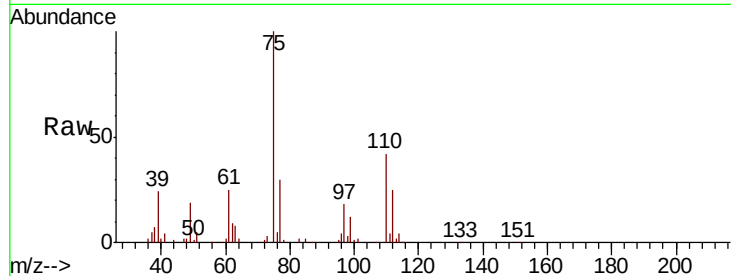




#59
 1,2,3-Trichloropropane
 Concen: 20.903 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW014147.D
 Acq: 27 Nov 2019 09:23

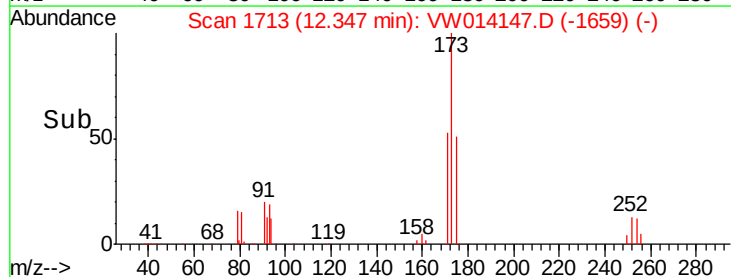
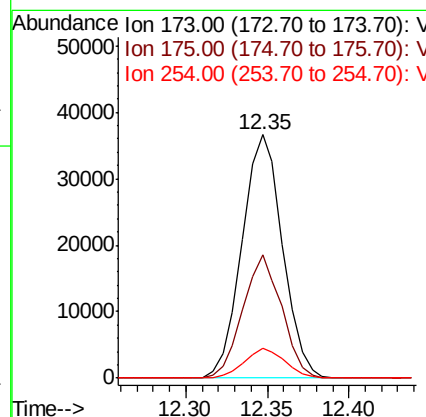
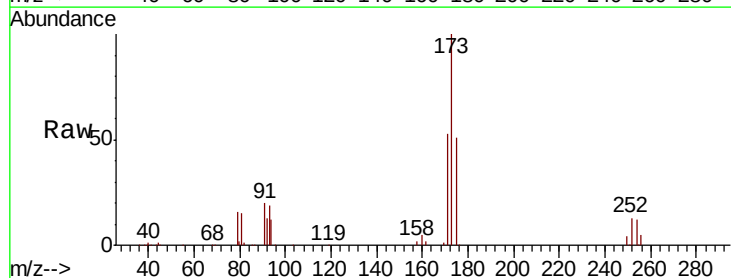
Instrument :
 MSVOA_W
 ClientSampled :

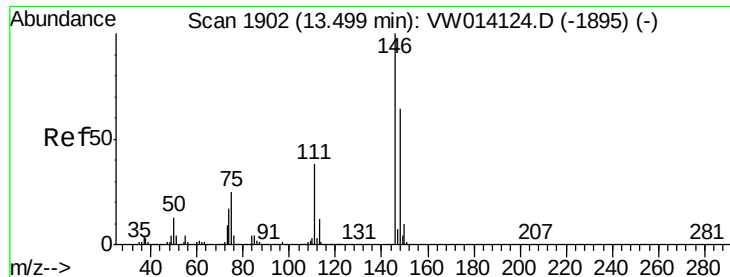
Tot Ion: 75 Resp: 69777
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.9 38.9



#62
 Bromoform
 Concen: 21.904 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW014147.D
 Acq: 27 Nov 2019 09:23

Tgt Ion: 173 Resp: 63297
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.8 58.2
 254 12.1 9.4 14.0





#63

1,3-Dichlorobenzene

Concen: 22.877 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Instrument :

MSVOA_W

ClientSampleId :

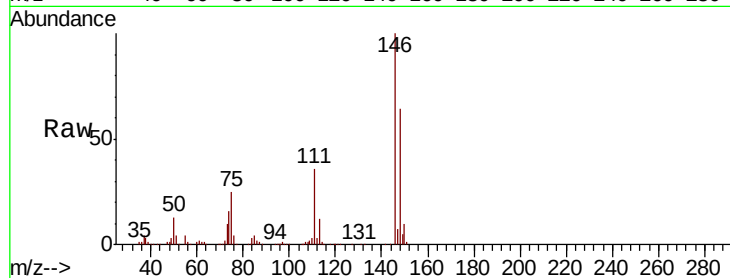
Tot Ion:146 Resp: 283249

Ion Ratio Lower Upper

146 100

111 36.3 26.0 48.2

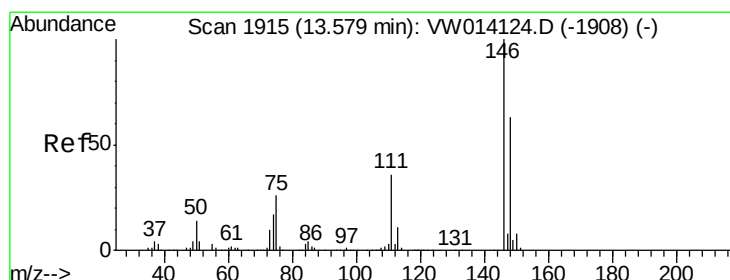
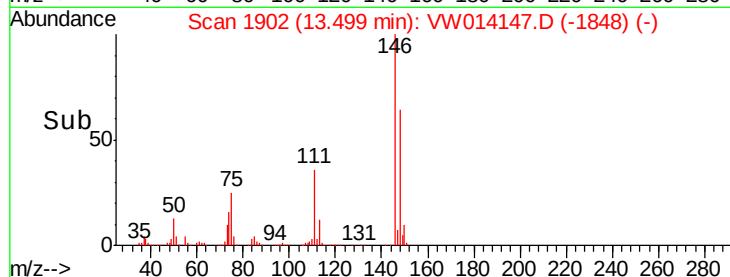
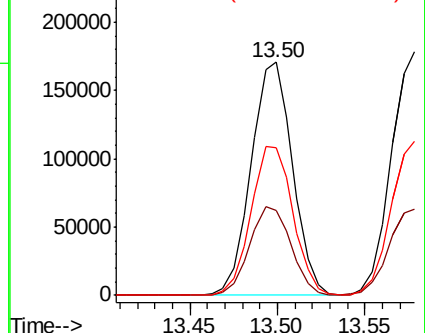
148 63.5 44.7 82.9



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: 23.002 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

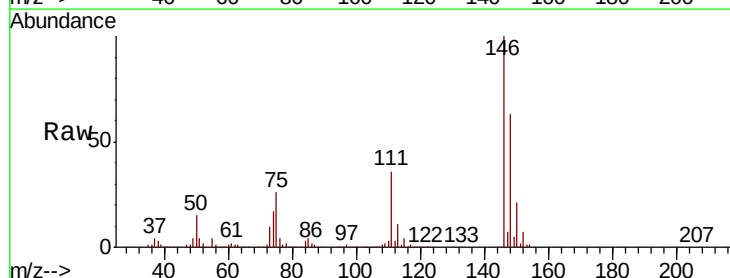
Tgt Ion:146 Resp: 281386

Ion Ratio Lower Upper

146 100

111 35.6 24.9 46.3

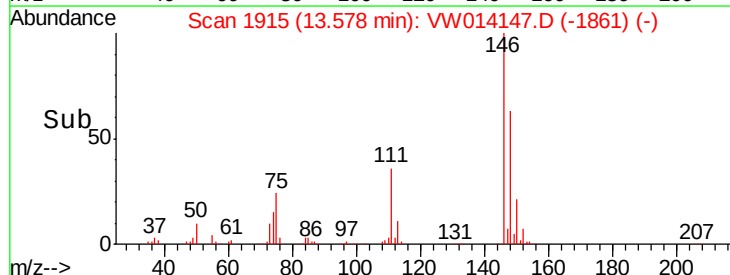
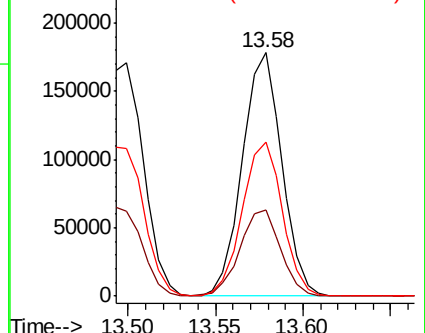
148 63.2 43.9 81.5

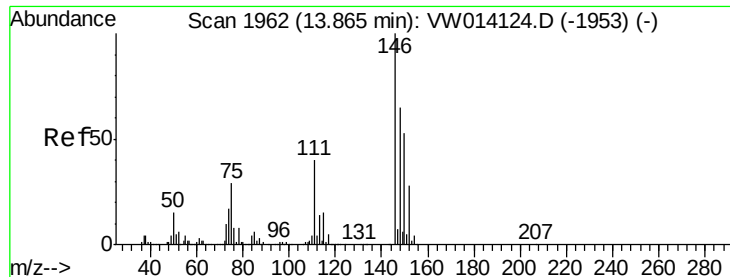


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

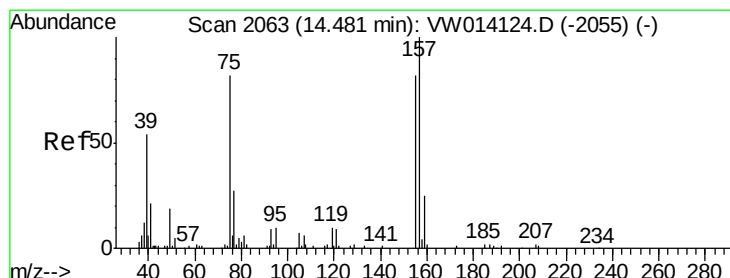
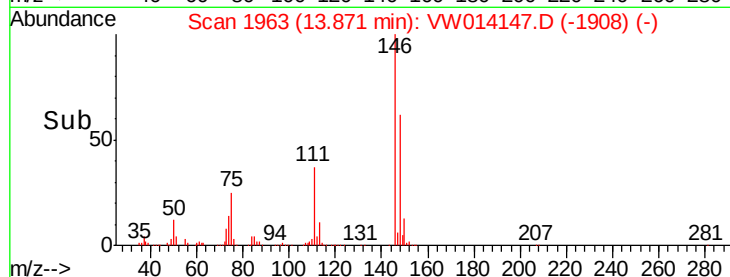
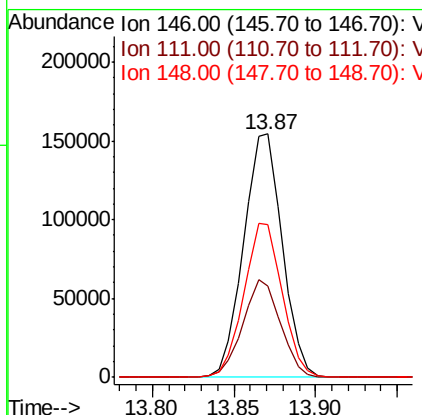
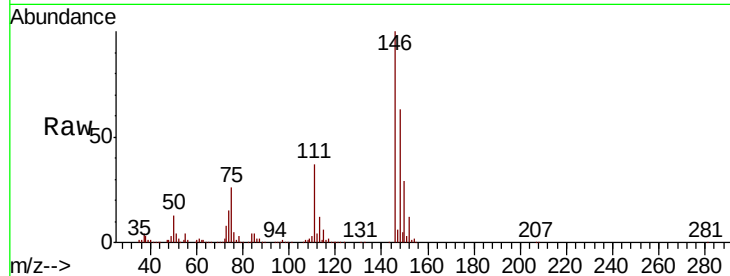




#65
 1,2-Dichlorobenzene
 Concen: 23.321 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014147.D
 Acq: 27 Nov 2019 09:23

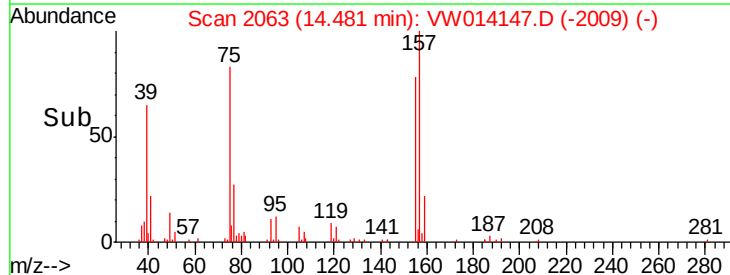
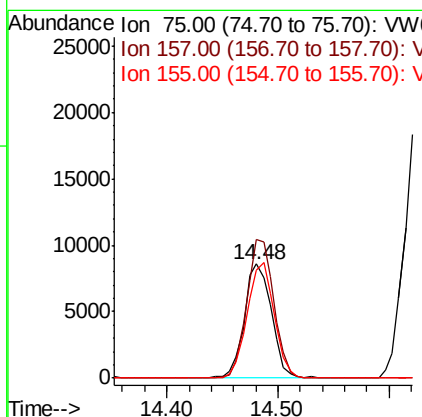
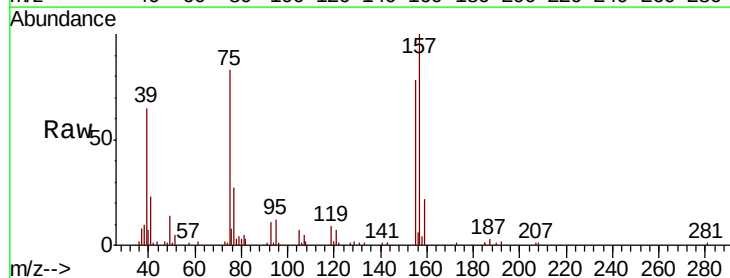
Instrument :
 MSVOA_W
 ClientSampleId :

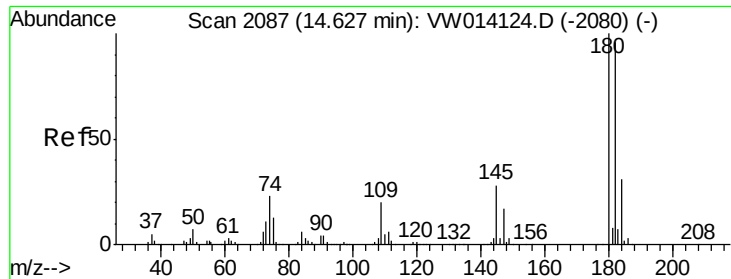
Tot Ion	146	Resp	255694
Ion Ratio	100	Lower	Upper
111	37.4	30.5	45.7
148	62.5	49.4	74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.614 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014147.D
 Acq: 27 Nov 2019 09:23

Tgt Ion	75	Resp	14645
Ion Ratio	100	Lower	Upper
157	121.0	96.9	145.3
155	93.9	82.9	124.3

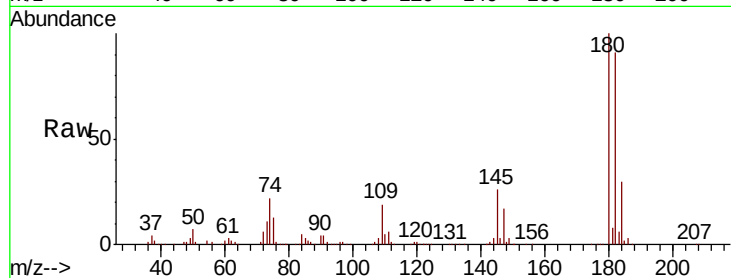




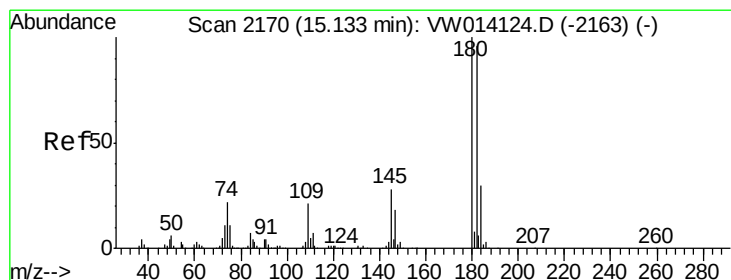
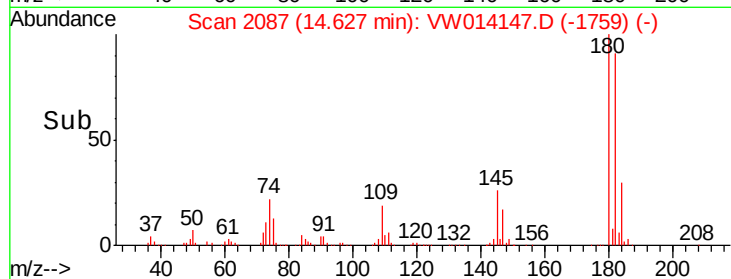
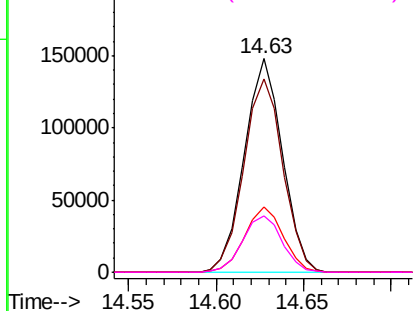
#67
 1,3,5-Trichlorobenzene
 Concen: 23.796 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014147.D
 Acq: 27 Nov 2019 09:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	224539
Ion	Ratio	Lower Upper
180	100	
182	93.2	76.2 114.2
184	30.9	24.3 36.5
145	27.3	21.9 32.9

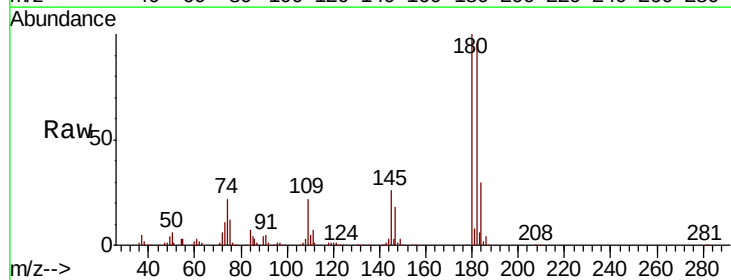


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

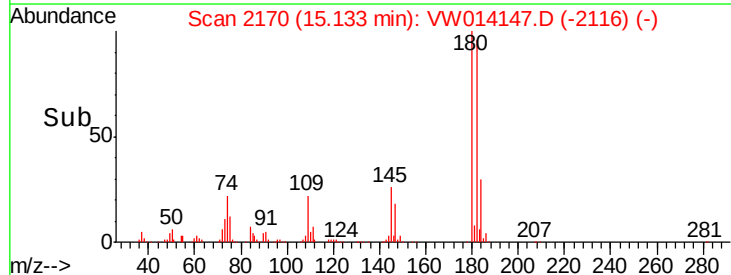
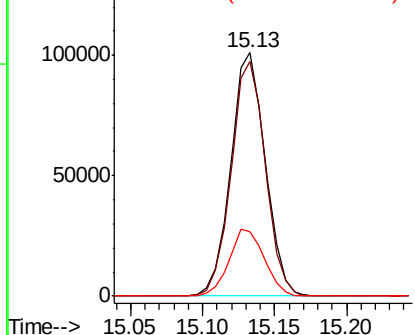


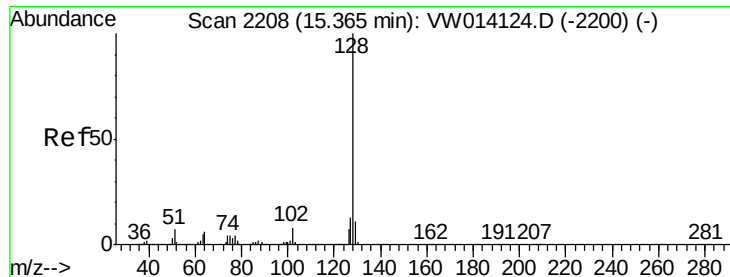
#68
 1,2,4-trichlorobenzene
 Concen: 22.772 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014147.D
 Acq: 27 Nov 2019 09:23

Tgt Ion:180	Resp:	168954
Ion	Ratio	Lower Upper
180	100	
182	95.2	75.8 113.8
145	28.2	22.4 33.6



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





#69

Naphthalene

Concen: 19.636 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

Instrument :

MSVOA_W

ClientSampleId :

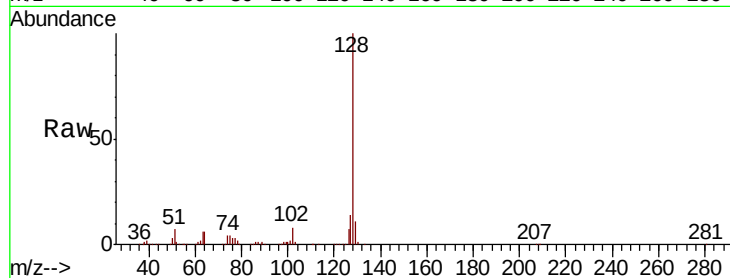
Tot Ion:128 Resp: 258819

Ion Ratio Lower Upper

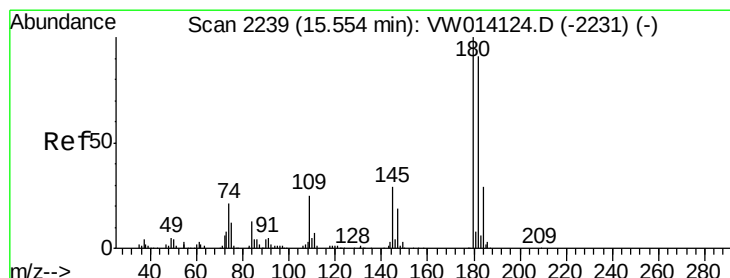
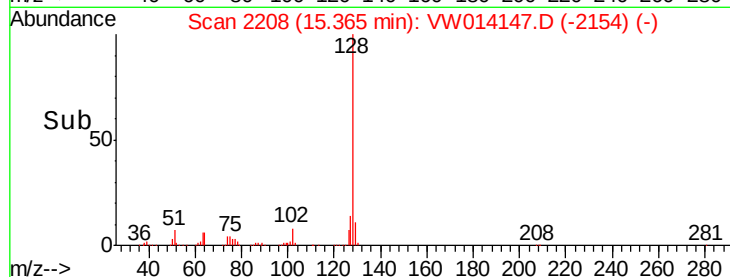
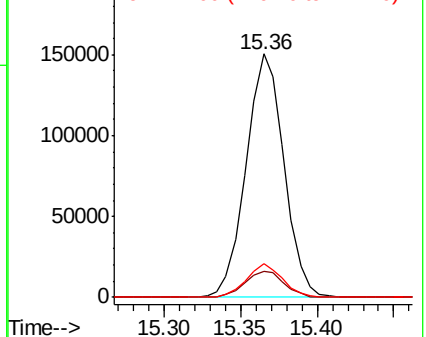
128 100

129 10.9 8.8 13.2

127 13.2 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: 22.821 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014147.D

Acq: 27 Nov 2019 09:23

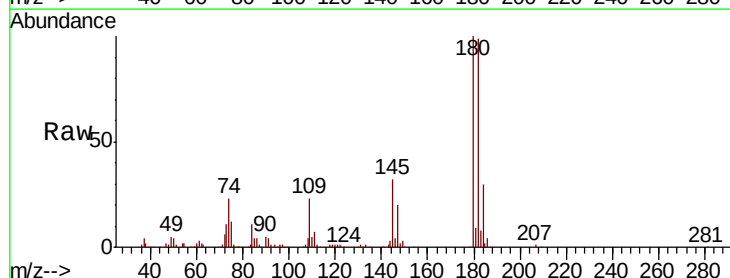
Tgt Ion:180 Resp: 149428

Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

145 30.1 24.0 36.0



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

