

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013688.D
 Acq On : 24 Oct 2019 01:46
 Operator : SY/VA
 Sample : VW1023SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 07:30:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360366	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	158792	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	107238	55.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.76%	
35) Dibromofluoromethane	7.88	113	104266	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.32	98	426134	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.62	95	145369	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	32283	23.739	ug/l	92
3) Chloromethane	2.21	50	31137	21.305	ug/l	97
4) Vinyl Chloride	2.37	62	46242	20.951	ug/l	100
5) Bromomethane	2.77	94	29481	20.309	ug/l	100
6) Chloroethane	2.92	64	26573	19.897	ug/l	97
7) Trichlorofluoromethane	3.26	101	25591	18.563	ug/l	100
8) Diethyl Ether	3.68	74	24087	21.626	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48732	21.744	ug/l	99
10) Methyl Iodide	4.27	142	71683	19.628	ug/l	99
11) Tert butyl alcohol	5.18	59	18810	162.718	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	45882	19.819	ug/l	98
13) Acrolein	3.90	56	15149	114.386	ug/l	96
14) Allyl chloride	4.67	41	70858	19.905	ug/l	99
15) Acrylonitrile	5.36	53	64962	143.436	ug/l	98
16) Acetone	4.13	43	50175	122.206	ug/l	95
17) Carbon Disulfide	4.39	76	129528	19.482	ug/l	99
18) Methyl Acetate	4.67	43	36092	32.068	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	64019	23.044	ug/l	98
20) Methylene Chloride	4.92	84	53120	20.736	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	49169	19.733	ug/l	96
22) Diisopropyl ether	6.31	45	132768	20.447	ug/l	96
23) Vinyl Acetate	6.25	43	425098	112.827	ug/l	99
24) 1,1-Dichloroethane	6.21	63	82607	20.087	ug/l	100
25) 2-Butanone	7.17	43	82847	140.351	ug/l	93
26) 2,2-Dichloropropane	7.16	77	46759	19.663	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	52516	19.843	ug/l	98
28) Bromochloromethane	7.51	49	22534	16.308	ug/l #	98
29) Tetrahydrofuran	7.52	42	55063	150.673	ug/l	100
30) Chloroform	7.67	83	80518	19.806	ug/l	97
31) Cyclohexane	7.95	56	87873	20.418	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	65759	20.613	ug/l	97
36) 1,1-Dichloropropene	8.08	75	68329	20.360	ug/l	98
37) Ethyl Acetate	7.25	43	39037	30.386	ug/l	99
38) Carbon Tetrachloride	8.07	117	63485	21.006	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	90988	20.994	ug/l	98
40) Benzene	8.32	78	191556	20.168	ug/l	98
41) Methacrylonitrile	7.48	41	23394	29.201	ug/l	93
42) 1,2-Dichloroethane	8.40	62	54121	22.613	ug/l	99
43) Isopropyl Acetate	8.42	43	64559	26.253	ug/l	98
44) Trichloroethene	9.09	130	54471	20.021	ug/l	99
45) 1,2-Dichloropropane	9.37	63	45951	20.255	ug/l	95
46) Dibromomethane	9.46	93	25264	22.944	ug/l	98
47) Bromodichloromethane	9.65	83	58589	20.565	ug/l	94
48) Methyl methacrylate	9.43	41	31549	25.871	ug/l	97
49) 1,4-Dioxane	9.45	88	10414	640.040	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	173562	142.033	ug/l	100
52) Toluene	10.38	92	123180	20.106	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	60633	21.023	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	70745	19.881	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	37948	23.125	ug/l	95
56) Ethyl methacrylate	10.65	69	50770	24.728	ug/l	100
57) 1,3-Dichloropropane	10.93	76	64241	22.812	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	120221	127.230	ug/l	99
59) 2-Hexanone	10.97	43	122253	145.119	ug/l	100
60) Dibromochloromethane	11.13	129	42890	22.013	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37423	24.105	ug/l	100
64) Tetrachloroethene	10.86	164	51484	21.583	ug/l	98
65) Chlorobenzene	11.66	112	126465	19.712	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	45363	20.260	ug/l	99
67) Ethyl Benzene	11.73	91	227287	19.647	ug/l	99
68) m/p-Xylenes	11.84	106	177555	39.726	ug/l	99
69) o-Xylene	12.16	106	81248	19.777	ug/l	98
70) Styrene	12.18	104	141761	20.084	ug/l	99
71) Bromoform	12.35	173	28027	23.853	ug/l #	99
73) Isopropylbenzene	12.46	105	233437	20.471	ug/l	99
74) N-amyl acetate	12.27	43	55884	25.334	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44698	24.839	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	57548	50.465	ug/l #	100
77) Bromobenzene	12.74	156	56601	20.778	ug/l	98
78) n-propylbenzene	12.80	91	268014	20.306	ug/l	100
79) 2-Chlorotoluene	12.89	91	148558	20.029	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	192135	19.959	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13908	23.049	ug/l	92
82) 4-Chlorotoluene	12.99	91	154761	19.874	ug/l	99
83) tert-Butylbenzene	13.21	119	172869	20.231	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	190093	20.019	ug/l	99
85) sec-Butylbenzene	13.38	105	239378	20.487	ug/l	100
86) p-Isopropyltoluene	13.50	119	220988	20.303	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	105085	19.910	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106859	20.379	ug/l	99
89) n-Butylbenzene	13.82	91	193029	19.648	ug/l	99
90) Hexachloroethane	14.09	117	37838	20.000	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	94346	20.616	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7682	28.231	ug/l	96

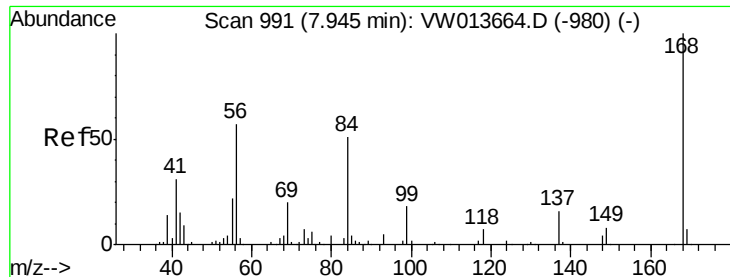
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102319\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	67023	20.124	ug/l	98
94) Hexachlorobutadiene	15.24	225	47219	21.001	ug/l	97
95) Naphthalene	15.36	128	124223	23.789	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	59640	20.782	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

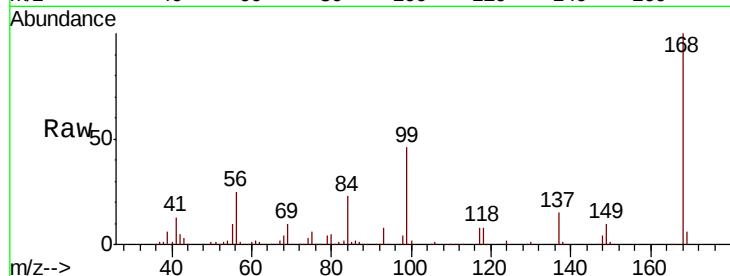
ClientSampleId :

Tot Ion:168 Resp: 258131

Ion Ratio Lower Upper

168 100

99 46.1 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

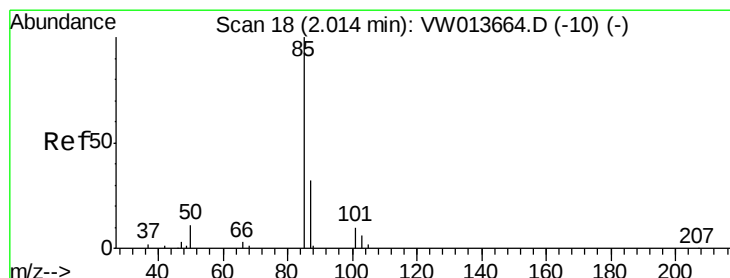
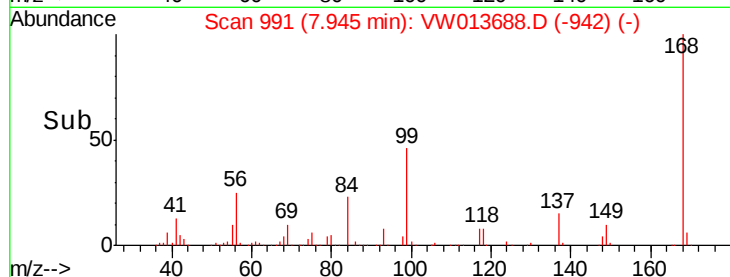
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 23.739 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013688.D

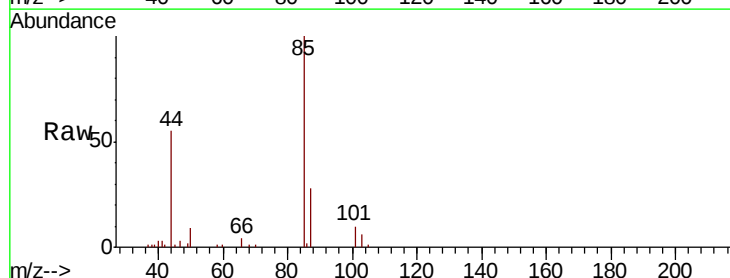
Acq: 24 Oct 2019 01:46

Tgt Ion: 85 Resp: 32283

Ion Ratio Lower Upper

85 100

87 27.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

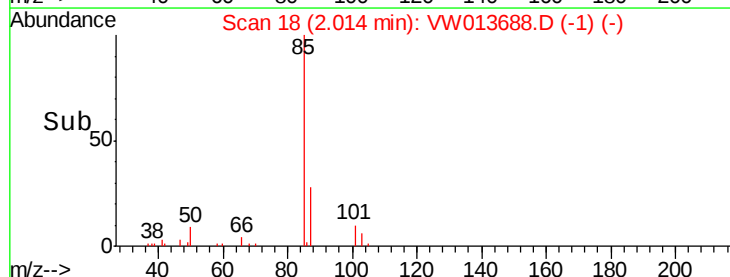
6000

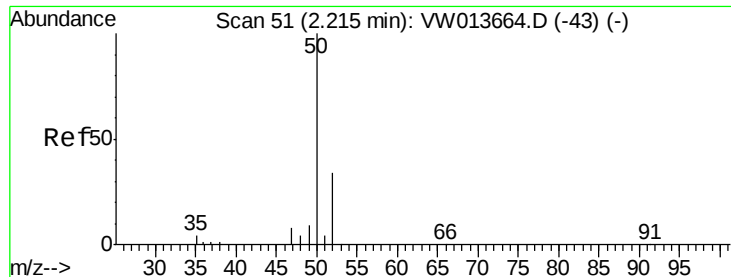
4000

2000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 21.305 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

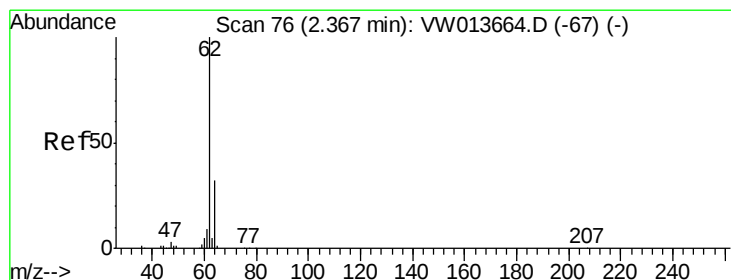
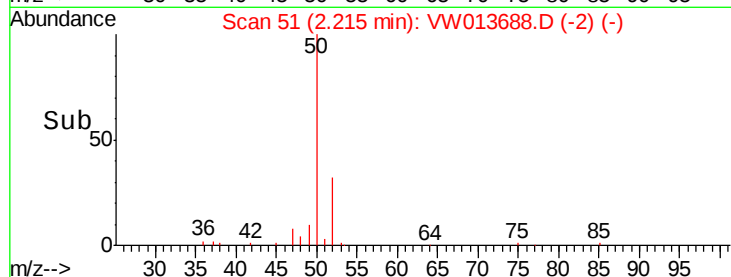
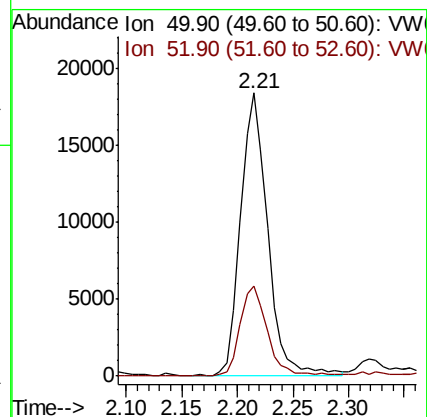
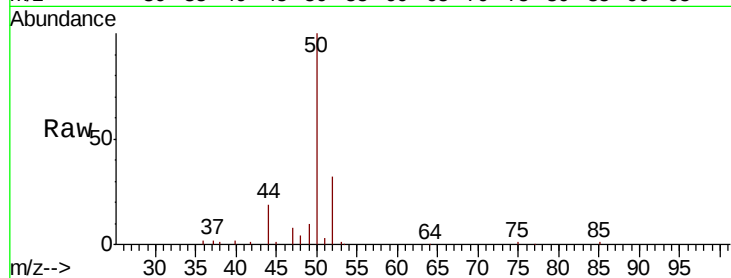
ClientSampled :

Tot Ion: 50 Resp: 31137

Ion Ratio Lower Upper

50 100

52 32.0 26.9 40.3



#4

Vinyl Chloride

Concen: 20.951 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013688.D

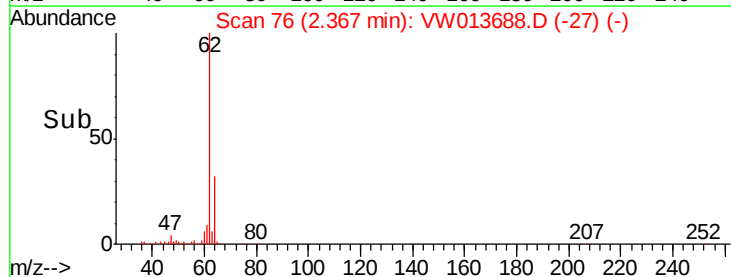
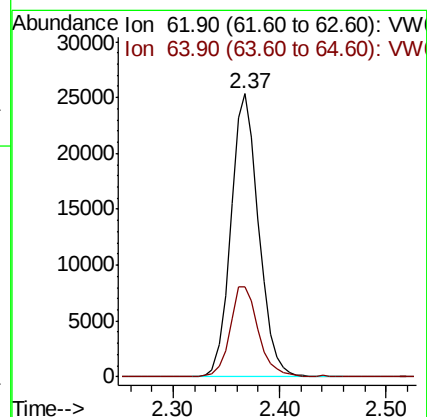
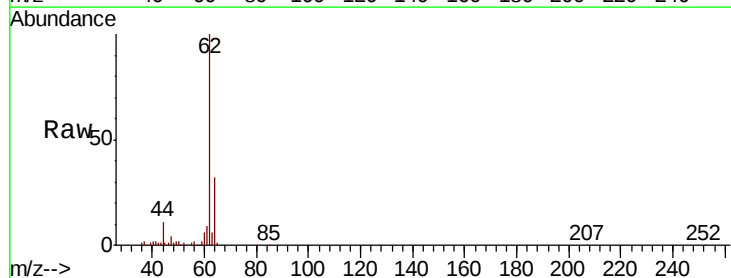
Acq: 24 Oct 2019 01:46

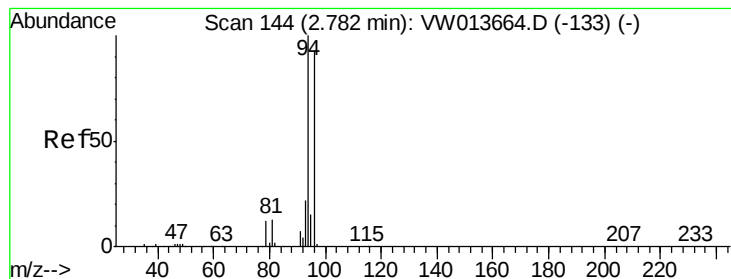
Tgt Ion: 62 Resp: 46242

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3





#5

Bromomethane

Concen: 20.309 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

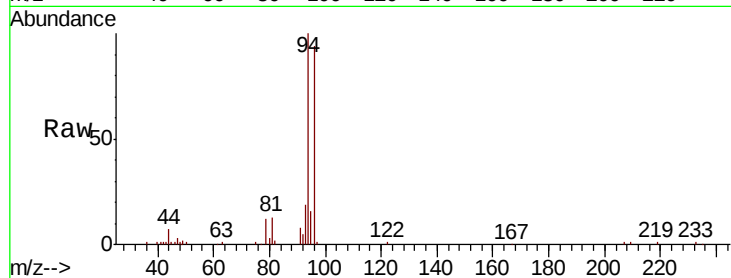
ClientSampleId :

Tot Ion: 94 Resp: 29481

Ion Ratio Lower Upper

94 100

96 92.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

15000

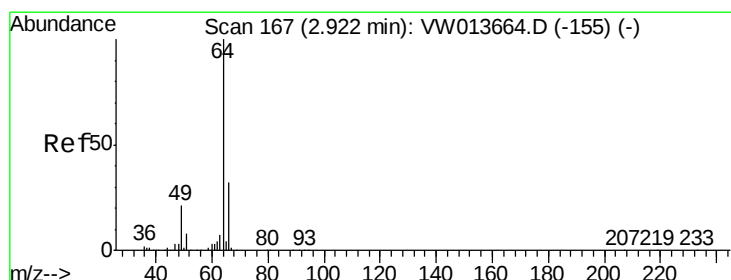
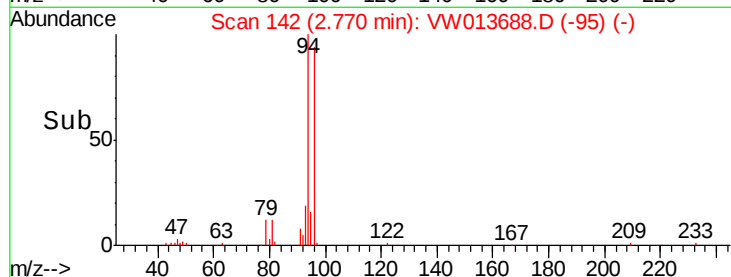
10000

5000

0

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 19.897 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013688.D

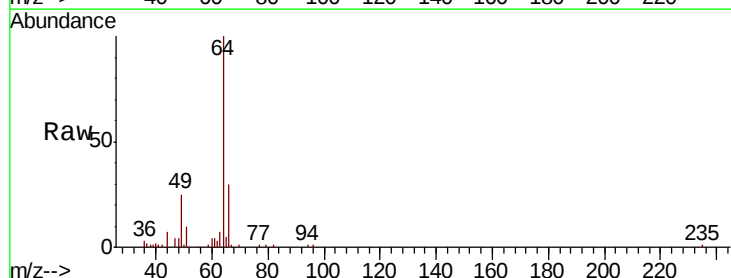
Acq: 24 Oct 2019 01:46

Tgt Ion: 64 Resp: 26573

Ion Ratio Lower Upper

64 100

66 30.3 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

12000

10000

8000

6000

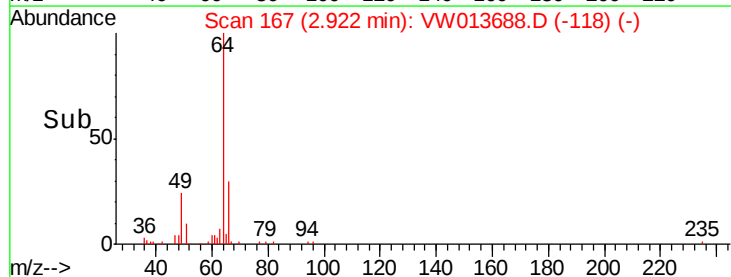
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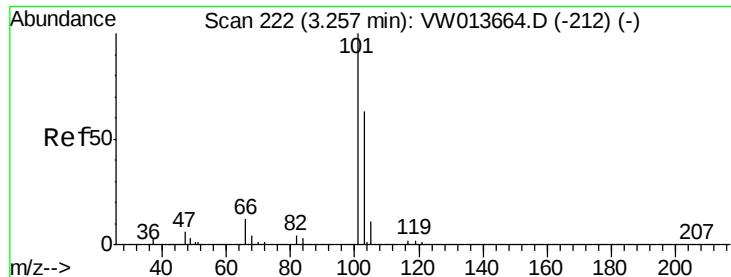
2000

0

2.80 2.90 3.00

Time-->



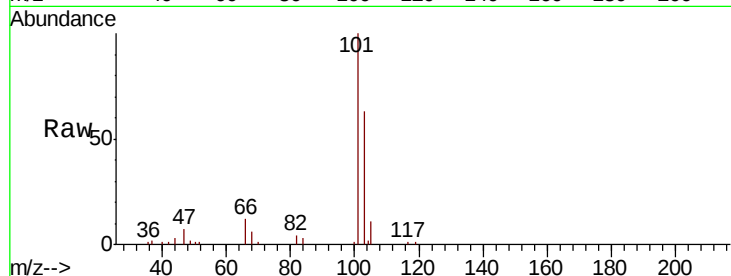


#7

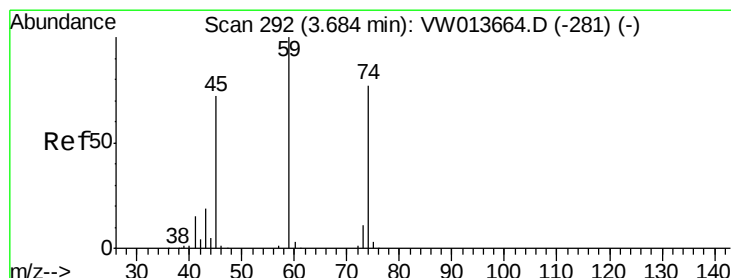
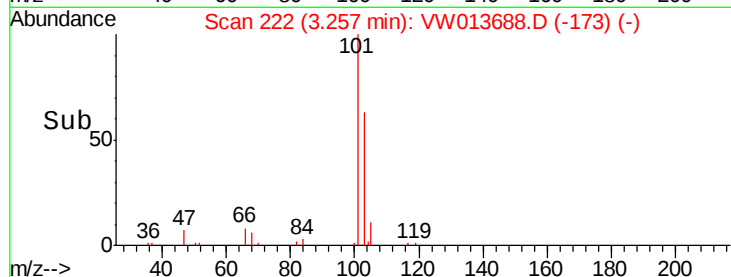
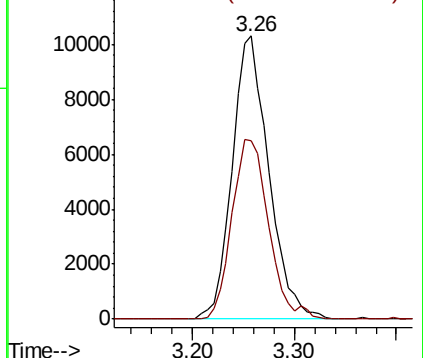
Trichlorofluoromethane
Concen: 18.563 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 25591
Ion Ratio Lower Upper
101 100
103 63.2 50.6 76.0



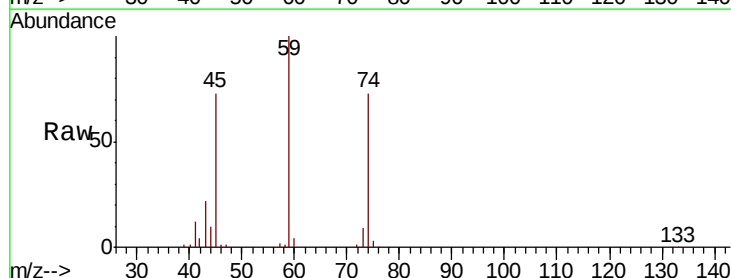
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



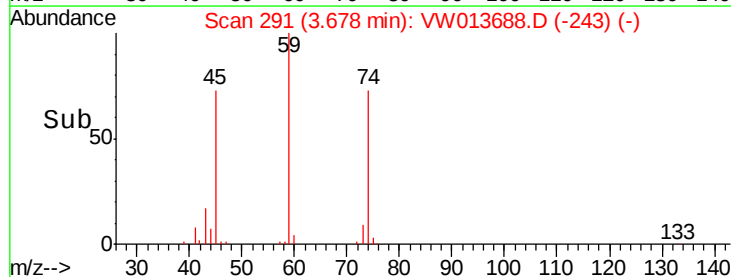
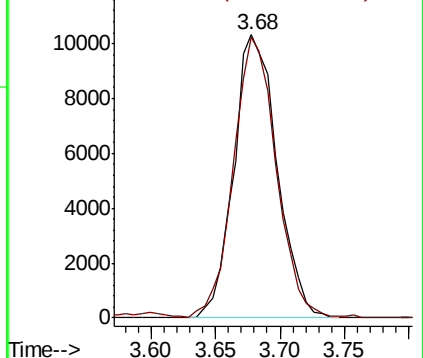
#8

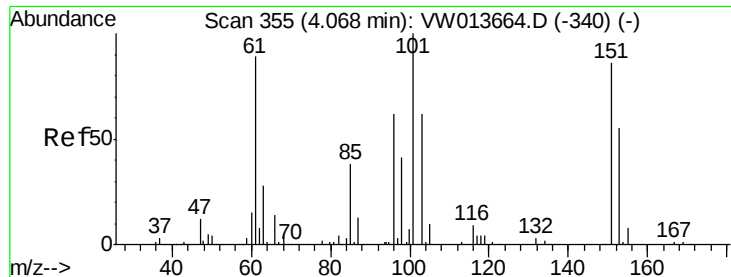
Diethyl Ether
Concen: 21.626 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 74 Resp: 24087
Ion Ratio Lower Upper
74 100
45 98.0 47.9 143.6



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.744 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

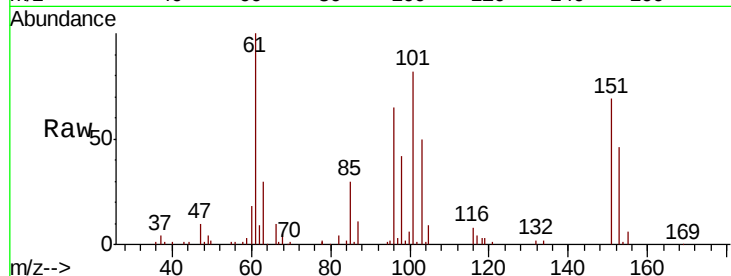
Tot Ion:101 Resp: 48732

Ion Ratio Lower Upper

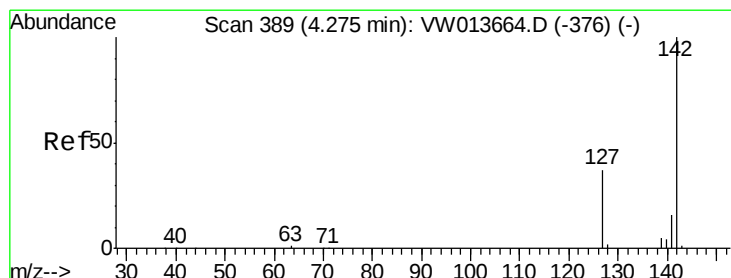
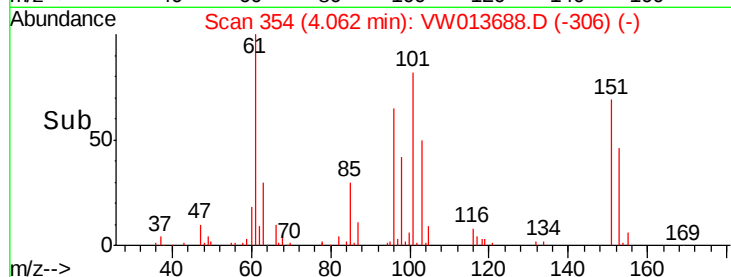
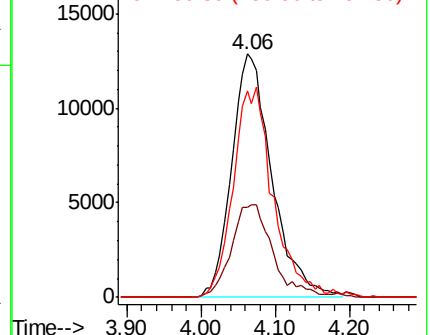
101 100

85 39.6 31.0 46.6

151 84.9 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.628 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

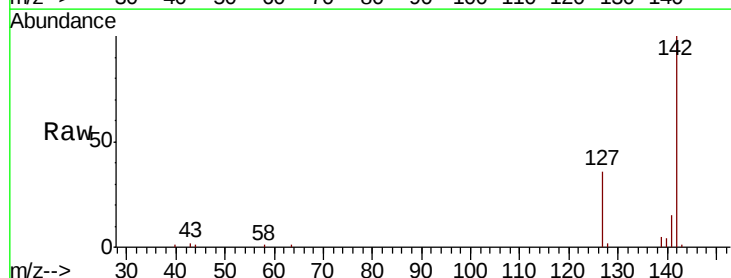
Tgt Ion:142 Resp: 71683

Ion Ratio Lower Upper

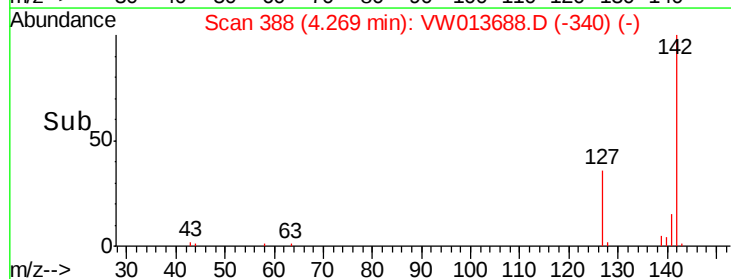
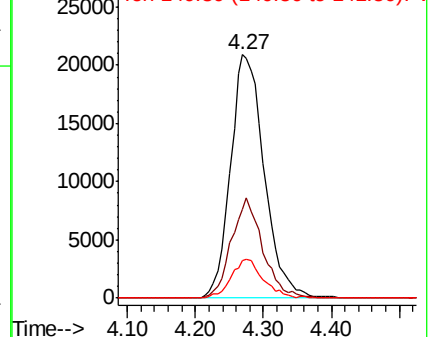
142 100

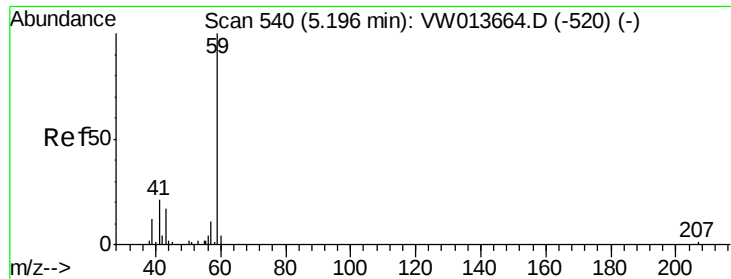
127 38.3 30.3 45.5

141 15.0 11.8 17.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



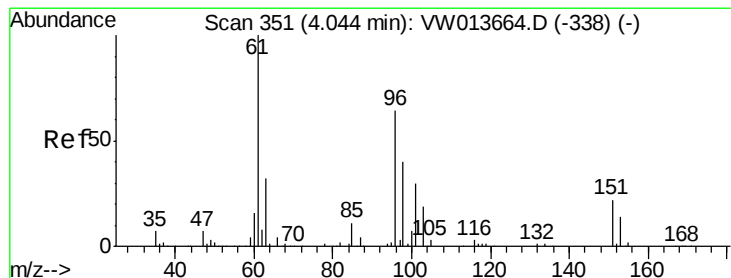
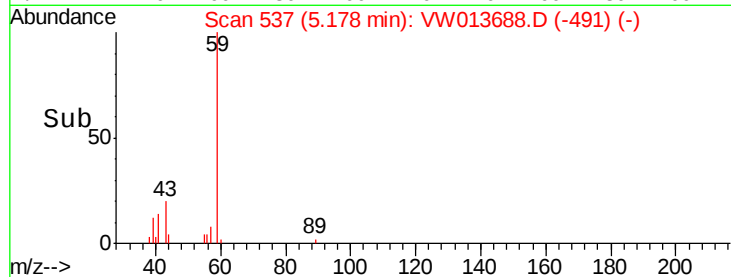
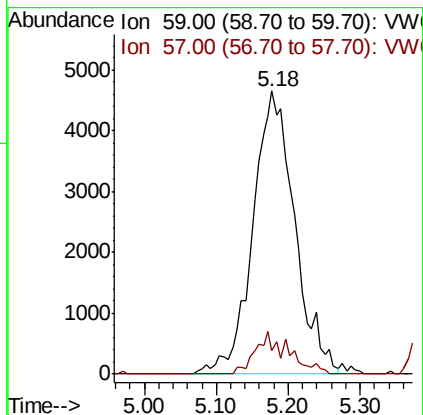
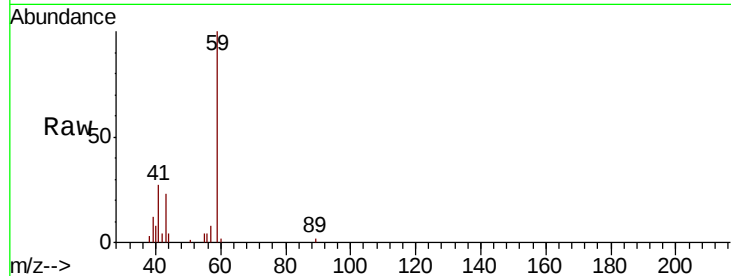


#11

Tert butyl alcohol
Concen: 162.718 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.02 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampled :

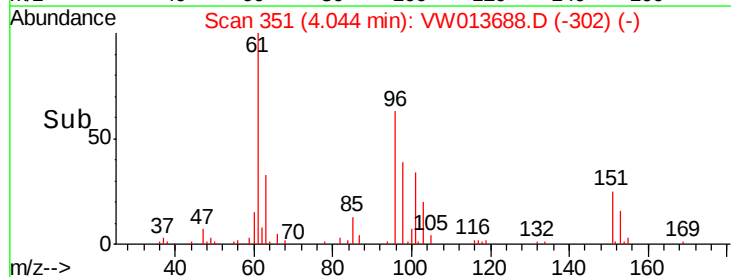
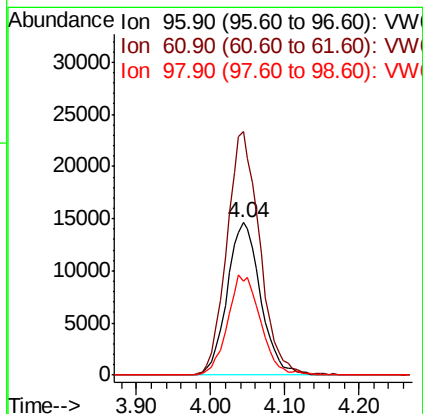
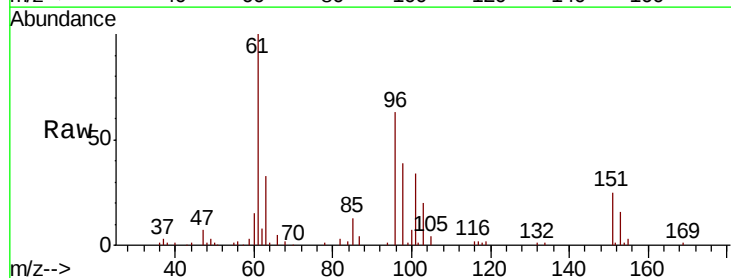
Tot Ion: 59 Resp: 18810
Ion Ratio Lower Upper
59 100
57 7.5 8.8 13.2#

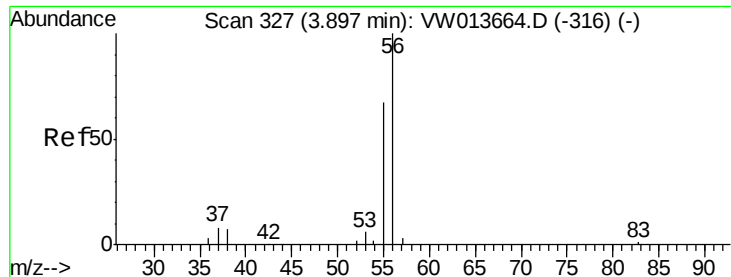


#12

1,1-Dichloroethene
Concen: 19.819 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 96 Resp: 45882
Ion Ratio Lower Upper
96 100
61 159.8 125.0 187.6
98 61.9 50.3 75.5





#13

Acrolein

Concen: 114.386 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

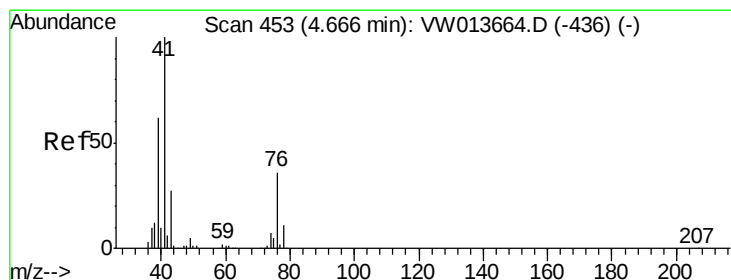
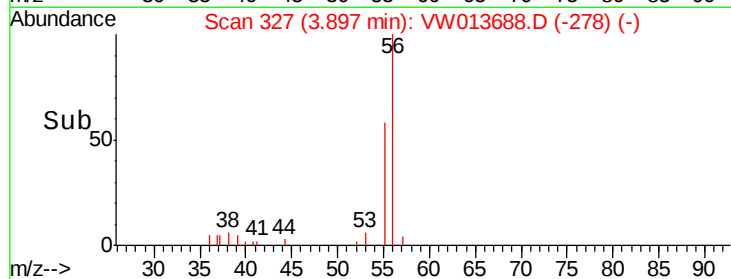
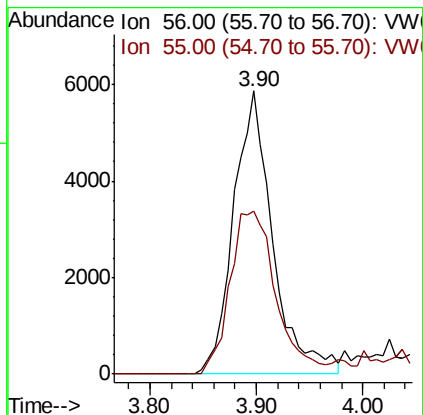
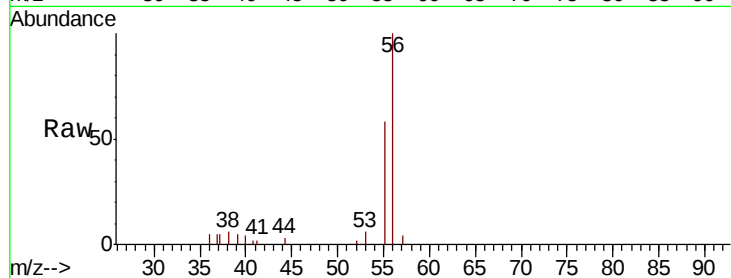
ClientSampled :

Tot Ion: 56 Resp: 15149

Ion Ratio Lower Upper

56 100

55 67.1 56.1 84.1



#14

Allyl chloride

Concen: 19.905 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

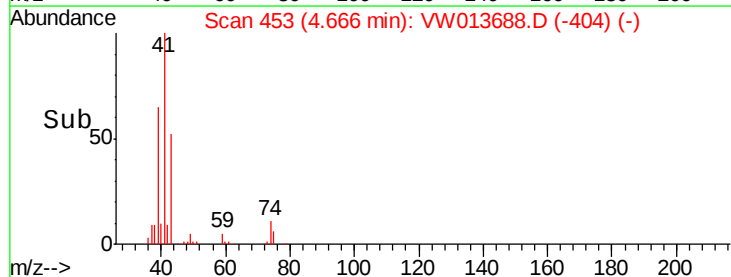
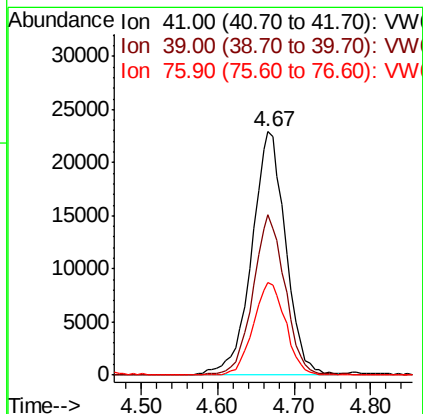
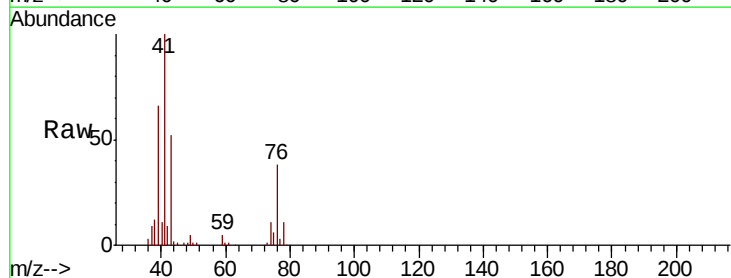
Tgt Ion: 41 Resp: 70858

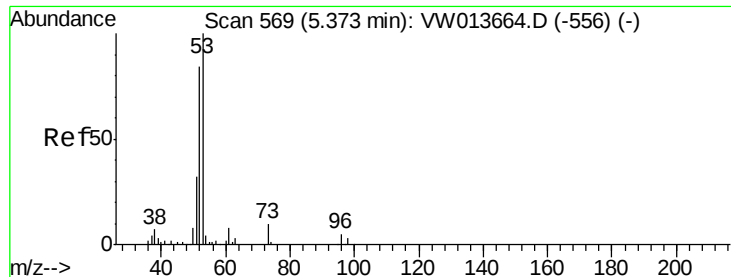
Ion Ratio Lower Upper

41 100

39 61.9 50.0 75.0

76 36.1 29.6 44.4





#15

Acrylonitrile

Concen: 143.436 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampled :

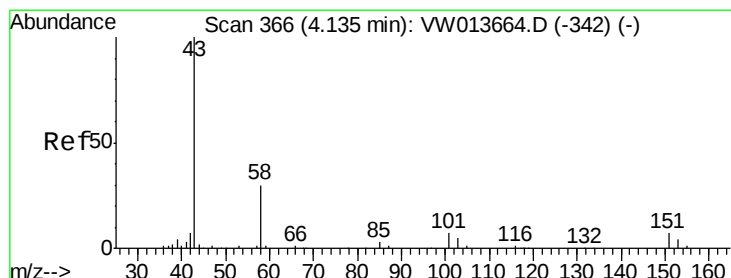
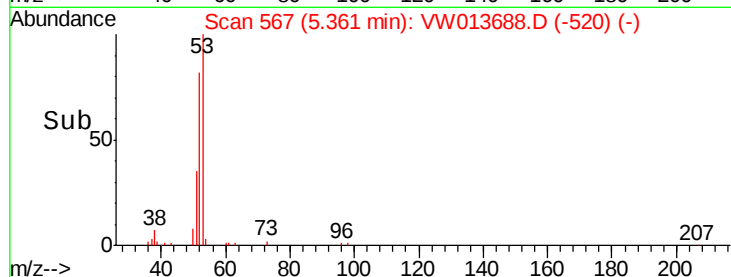
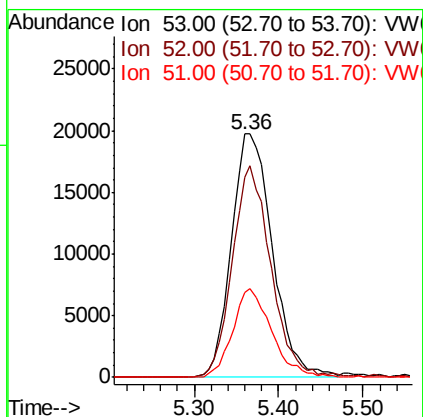
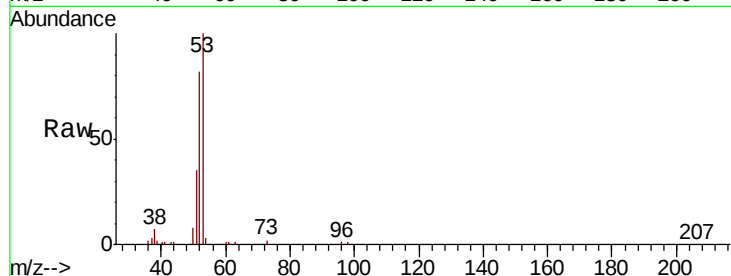
Tot Ion: 53 Resp: 64962

Ion Ratio Lower Upper

53 100

52 82.1 67.4 101.0

51 34.7 29.1 43.7



#16

Acetone

Concen: 122.206 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW013688.D

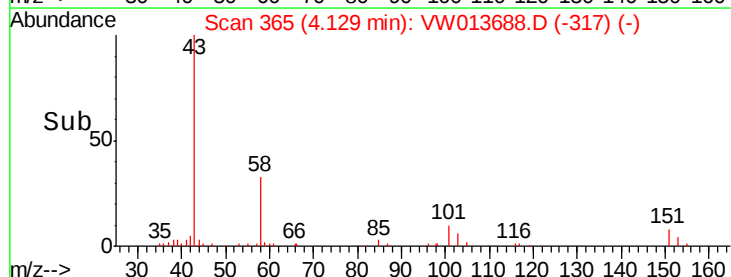
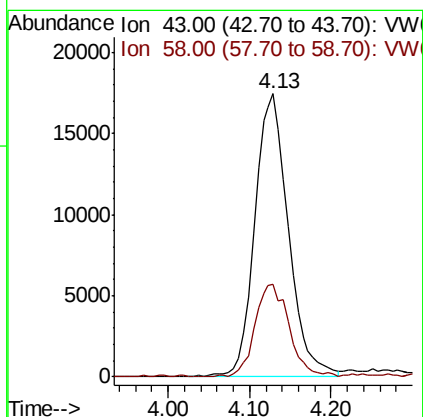
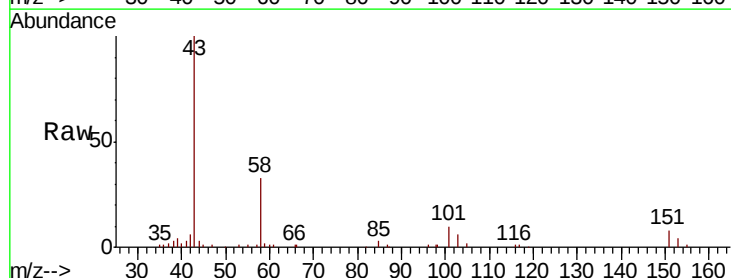
Acq: 24 Oct 2019 01:46

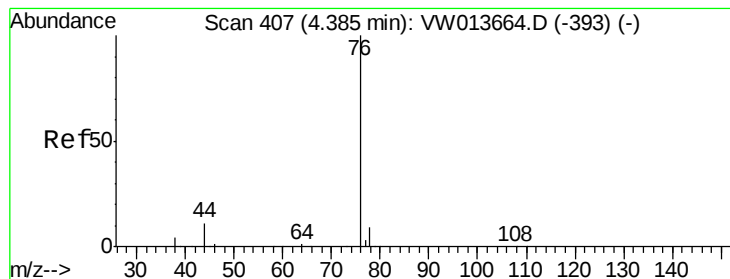
Tgt Ion: 43 Resp: 50175

Ion Ratio Lower Upper

43 100

58 32.6 24.1 36.1





#17

Carbon Disulfide

Concen: 19.482 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

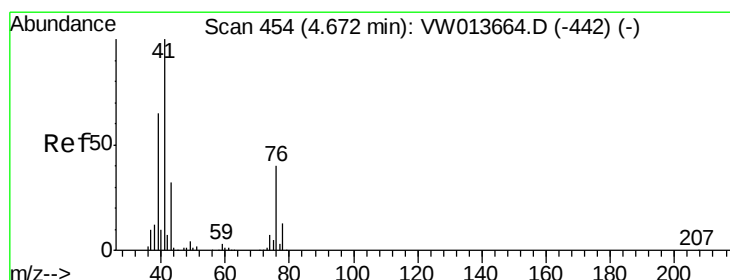
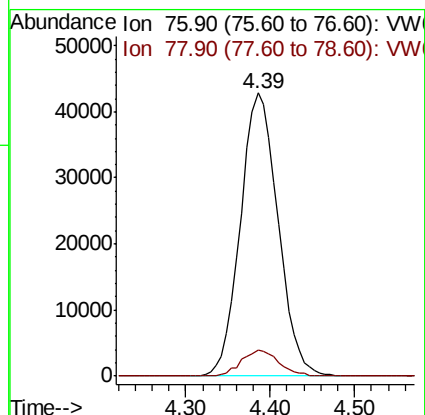
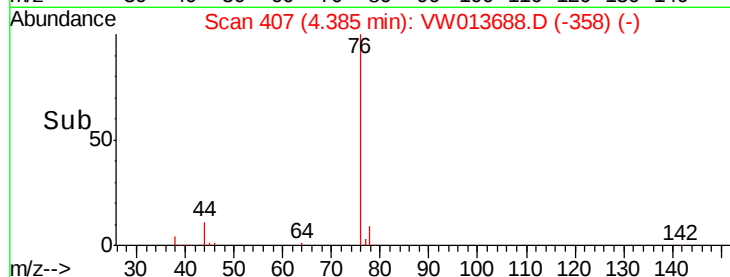
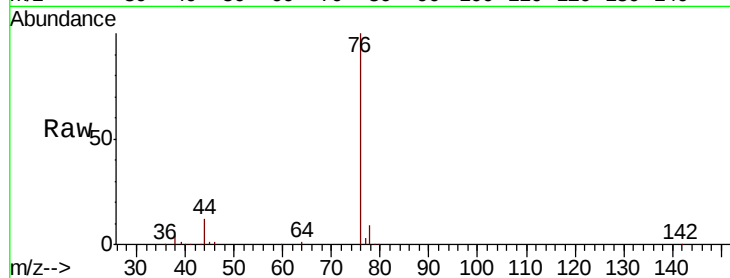
ClientSampleId :

Tot Ion: 76 Resp: 129528

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6



#18

Methyl Acetate

Concen: 32.068 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW013688.D

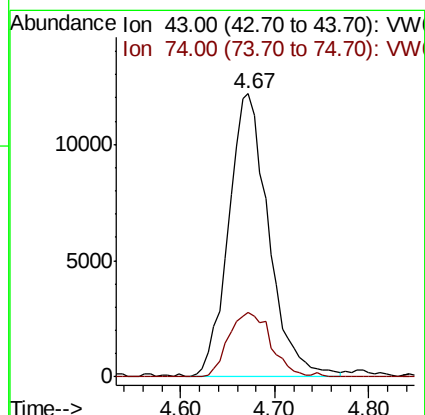
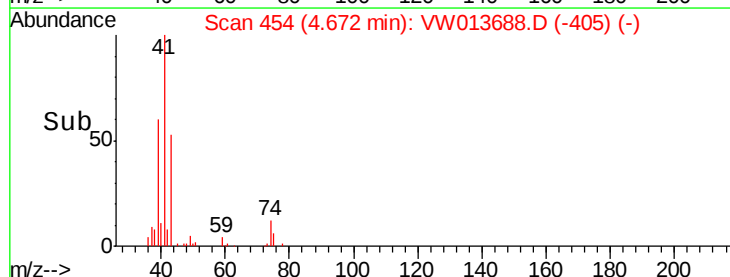
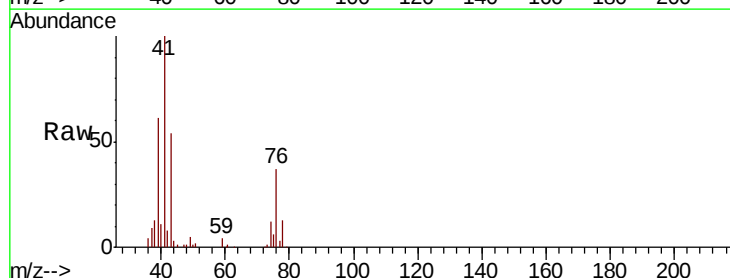
Acq: 24 Oct 2019 01:46

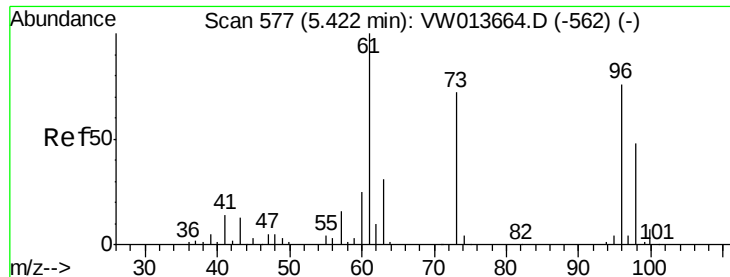
Tgt Ion: 43 Resp: 36092

Ion Ratio Lower Upper

43 100

74 24.0 19.8 29.8

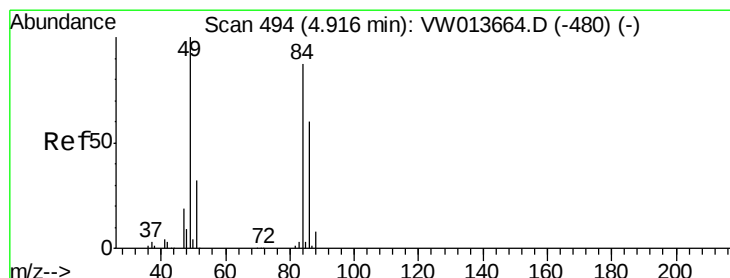
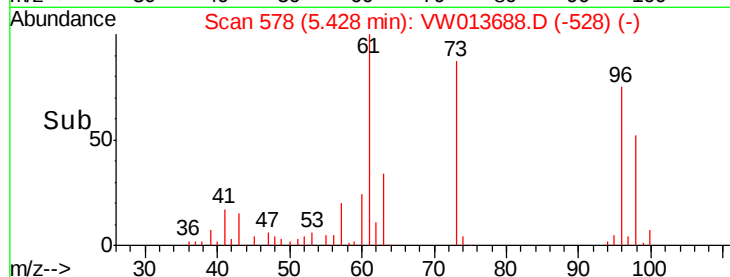
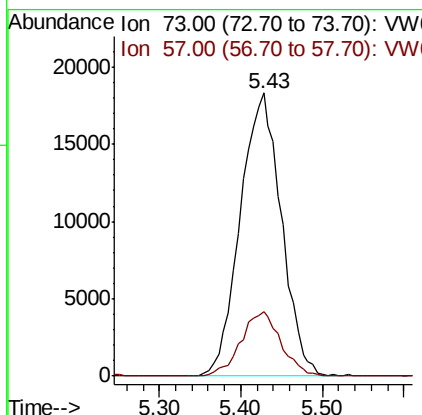
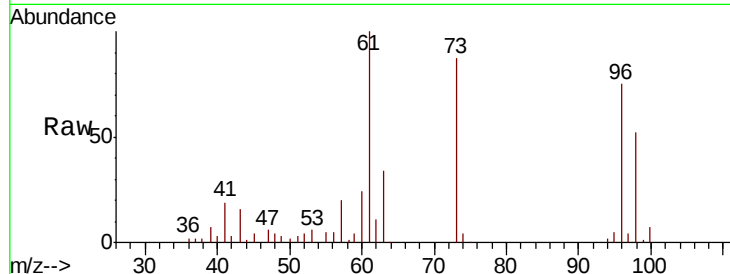




#19
Methvl tert-butvl Ether
Concen: 23.044 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

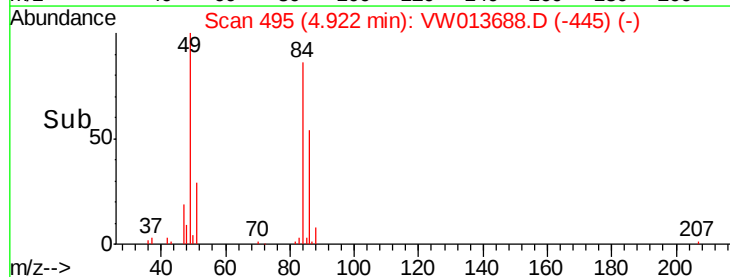
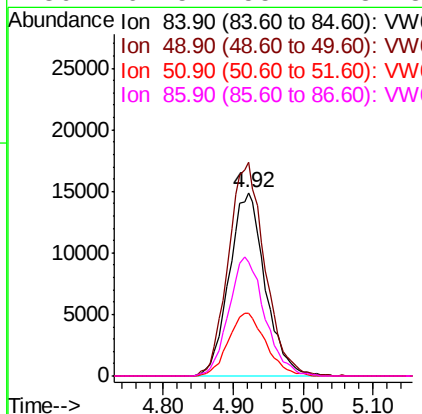
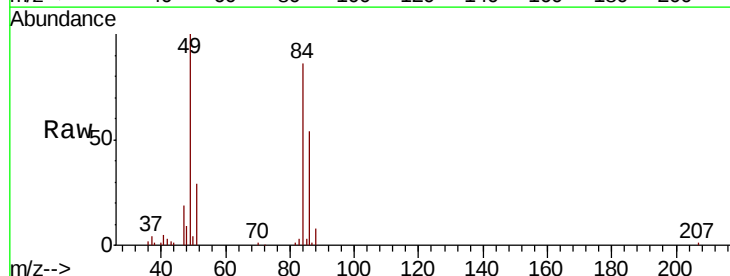
Instrument :
MSVOA_W
ClientSampleId :

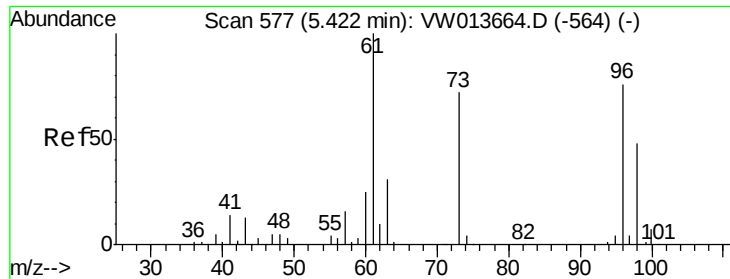
Tot Ion: 73 Resp: 64019
Ion Ratio Lower Upper
73 100
57 23.0 17.6 26.4



#20
Methylene Chloride
Concen: 20.736 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 84 Resp: 53120
Ion Ratio Lower Upper
84 100
49 116.5 91.8 137.6
51 34.2 29.8 44.6
86 62.5 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 19.733 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampled :

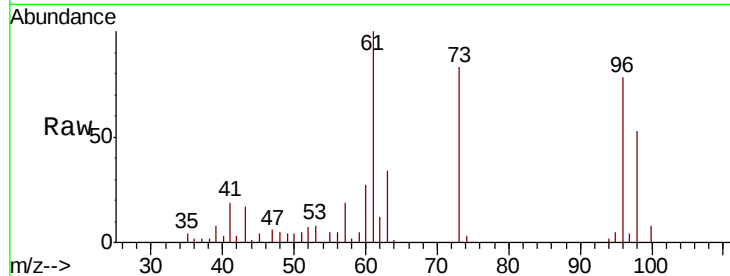
Tot Ion: 96 Resp: 49169

Ion Ratio Lower Upper

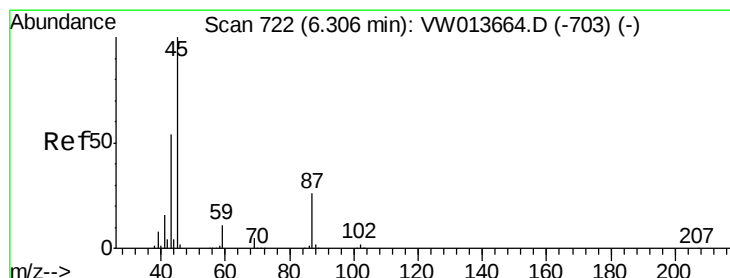
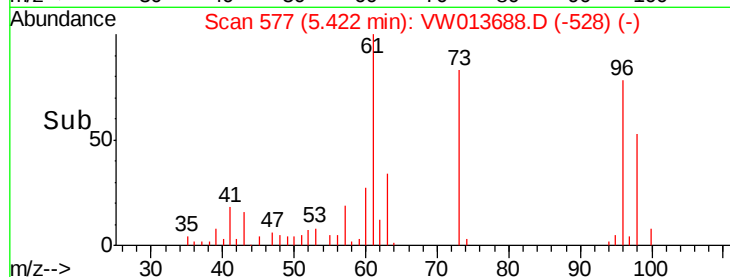
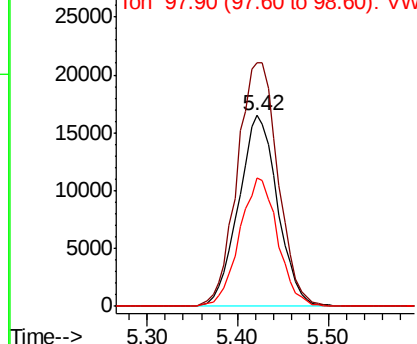
96 100

61 127.5 104.8 157.2

98 67.6 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.447 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Tgt Ion: 45 Resp: 132768

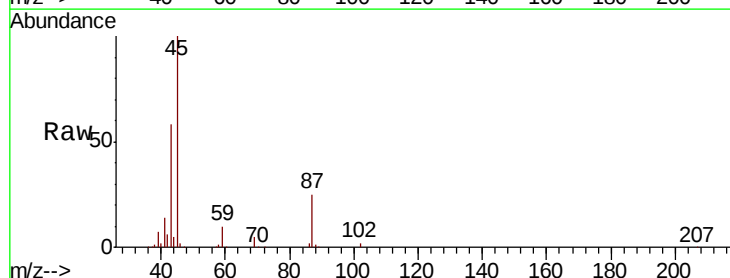
Ion Ratio Lower Upper

45 100

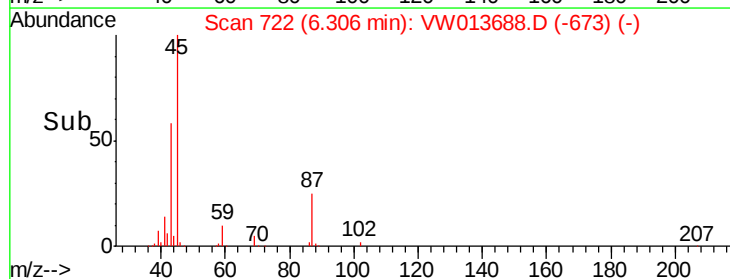
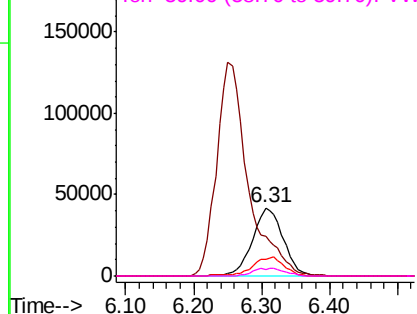
43 57.8 43.4 65.2

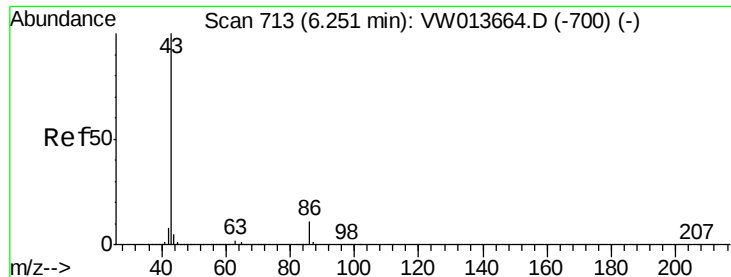
87 24.9 21.5 32.3

59 10.1 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 112.827 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

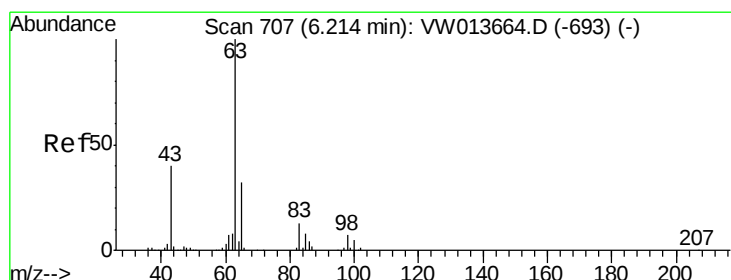
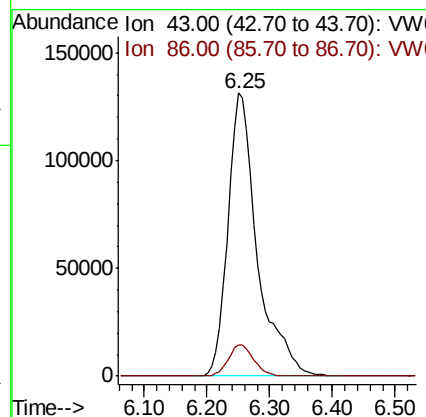
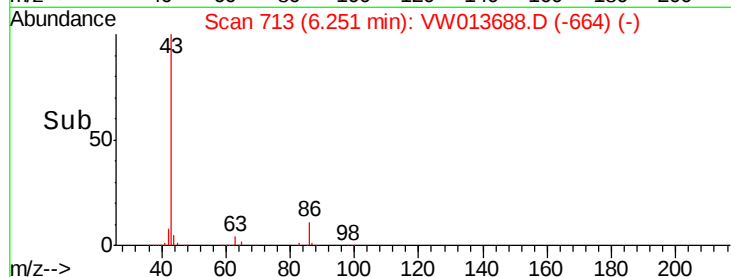
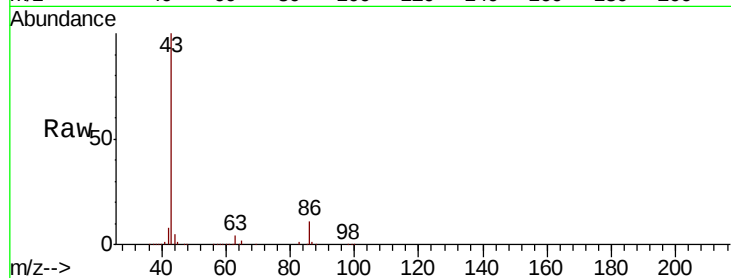
ClientSampled :

Tot Ion: 43 Resp: 425098

Ion Ratio Lower Upper

43 100

86 11.0 9.0 13.6



#24

1,1-Dichloroethane

Concen: 20.087 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

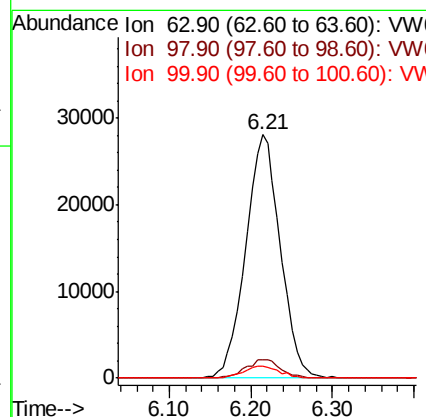
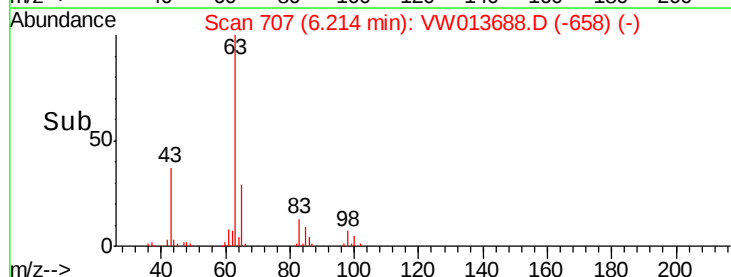
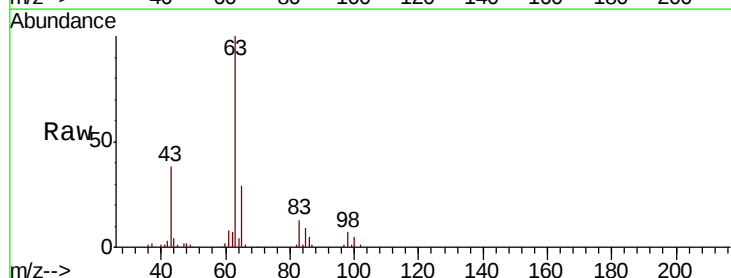
Tgt Ion: 63 Resp: 82607

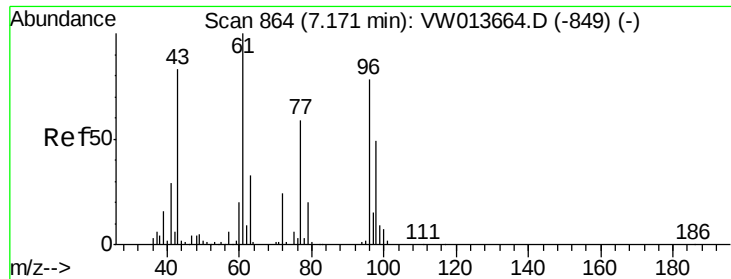
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

100 4.9 2.5 7.4

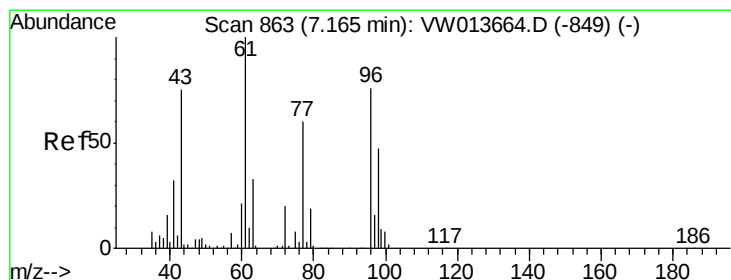
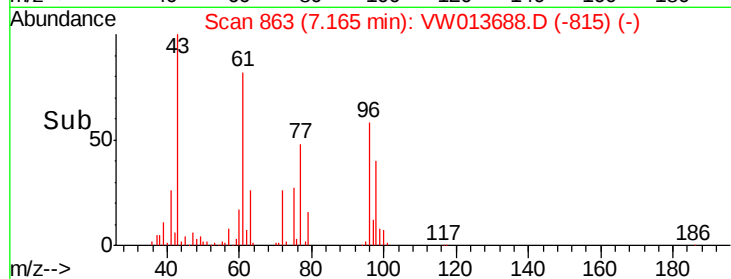
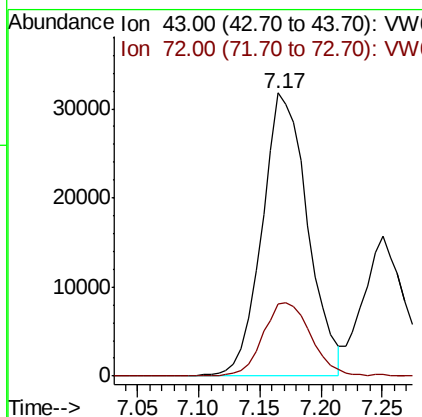
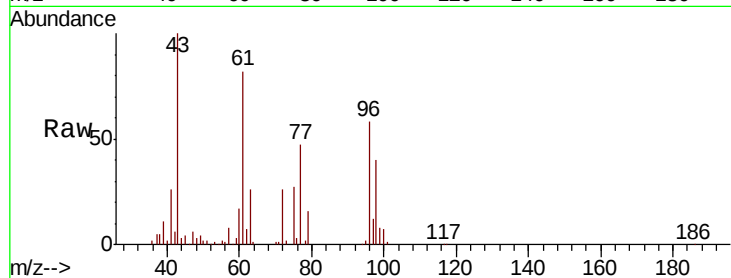




#25
2-Butanone
Concen: 140.351 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

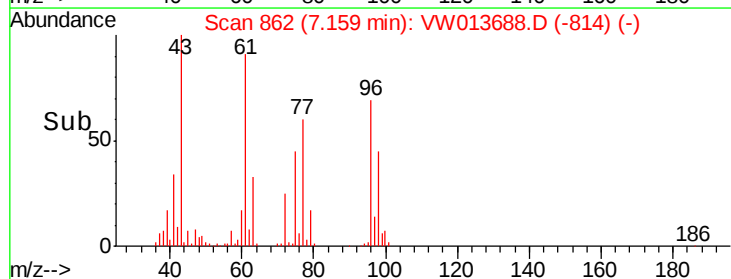
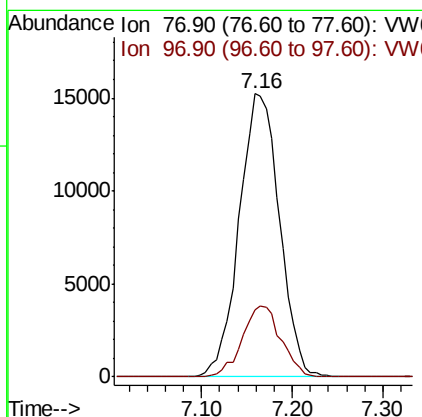
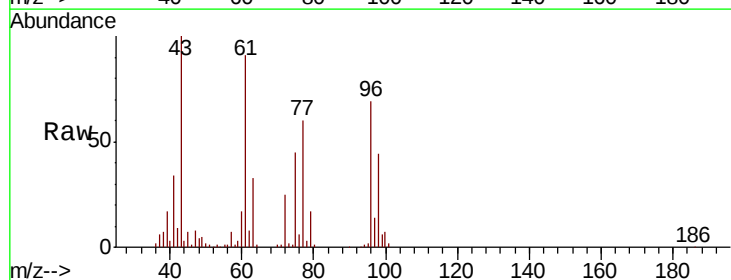
Instrument :
MSVOA_W
ClientSampled :

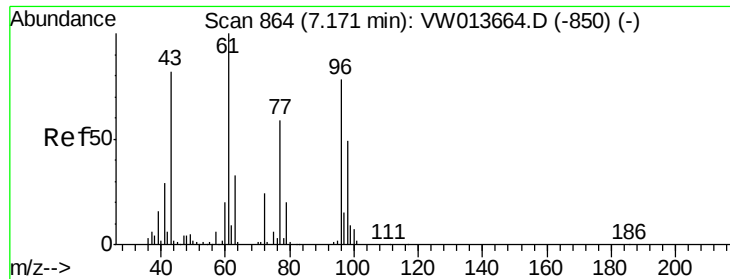
Tot Ion: 43 Resp: 82847
Ion Ratio Lower Upper
43 100
72 25.7 23.6 35.4



#26
2,2-Dichloropropane
Concen: 19.663 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 77 Resp: 46759
Ion Ratio Lower Upper
77 100
97 24.1 12.8 38.4



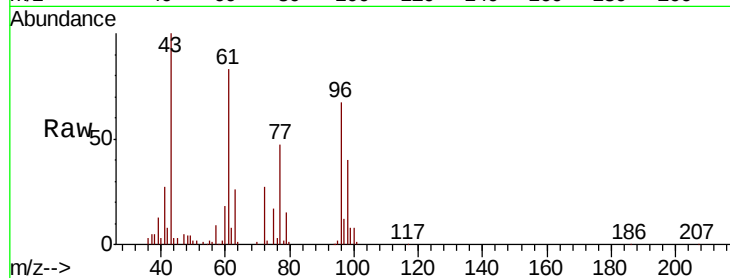


#27

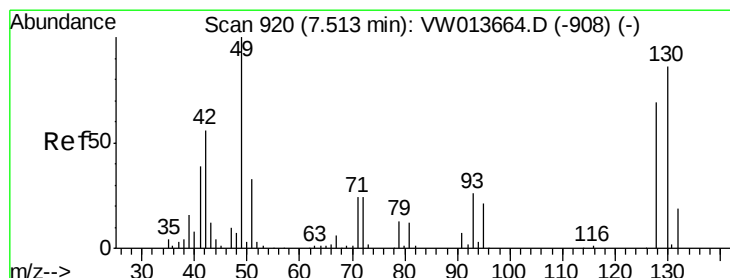
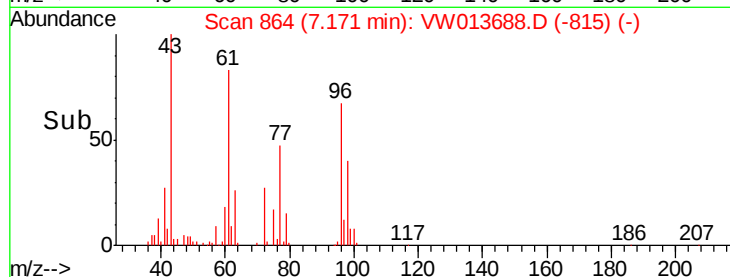
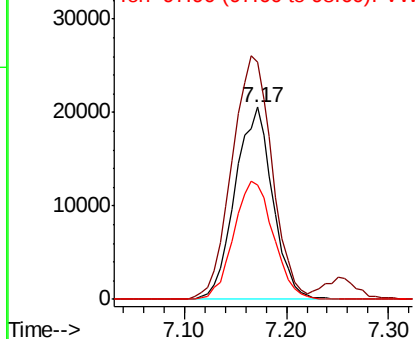
cis-1,2-Dichloroethene
Concen: 19.843 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 52516
Ion Ratio Lower Upper
96 100
61 135.5 0.0 266.0
98 64.5 0.0 126.8



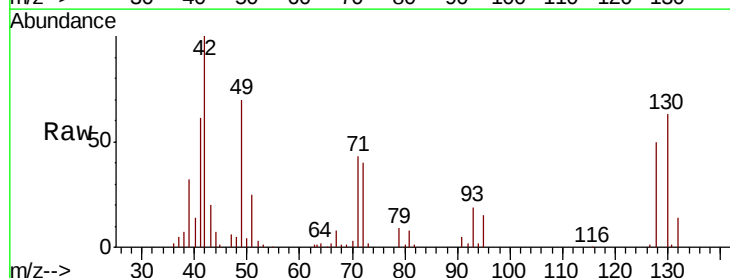
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



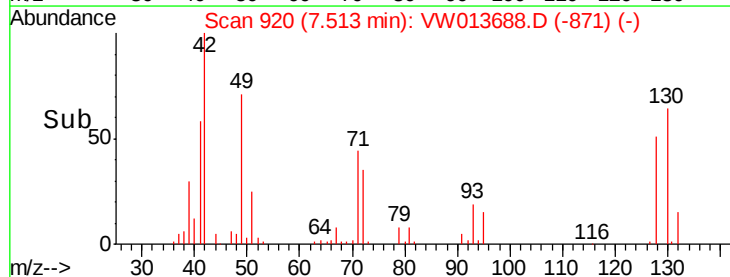
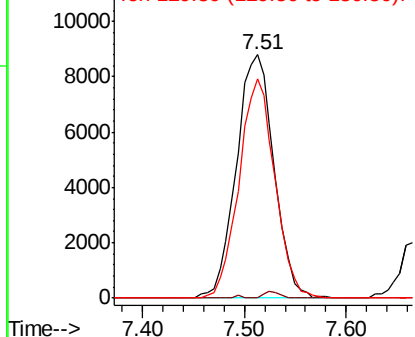
#28

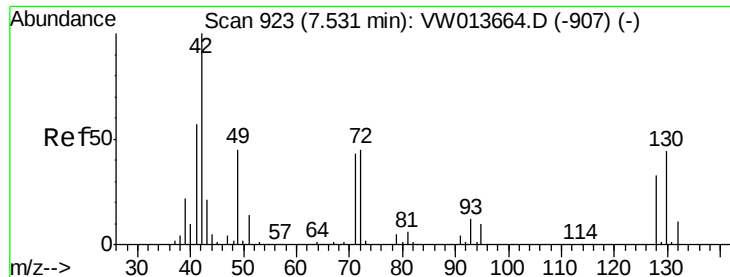
Bromochloromethane
Concen: 16.308 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 49 Resp: 22534
Ion Ratio Lower Upper
49 100
129 1.1 0.0 0.6#
130 85.8 67.5 101.3



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 150.673 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampled :

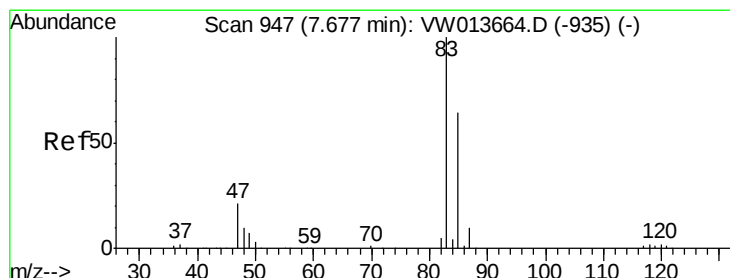
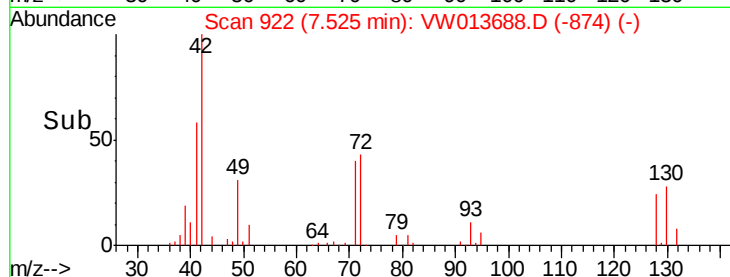
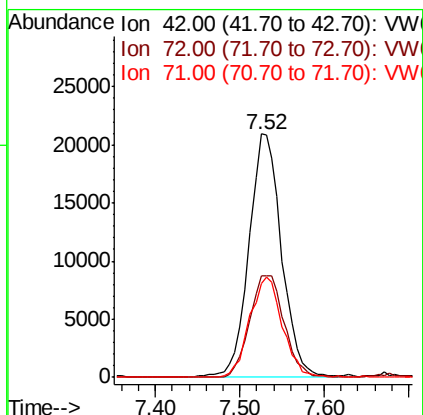
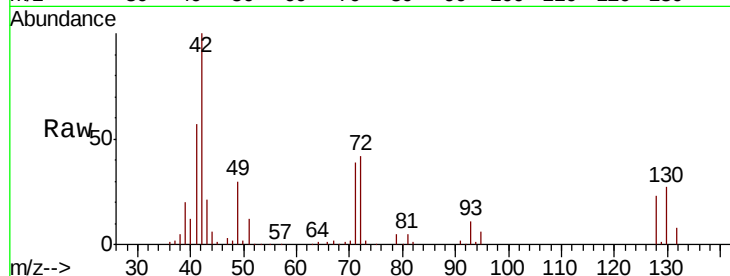
Tot Ion: 42 Resp: 55063

Ion Ratio Lower Upper

42 100

72 44.1 35.3 52.9

71 41.5 33.3 49.9



#30

Chloroform

Concen: 19.806 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW013688.D

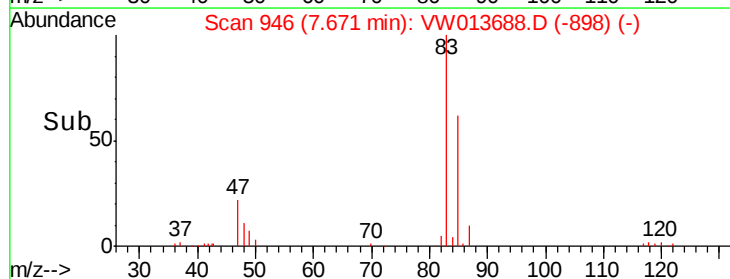
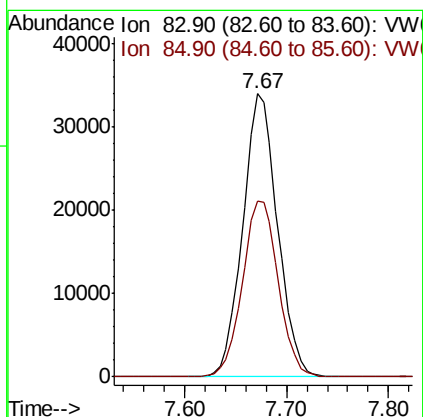
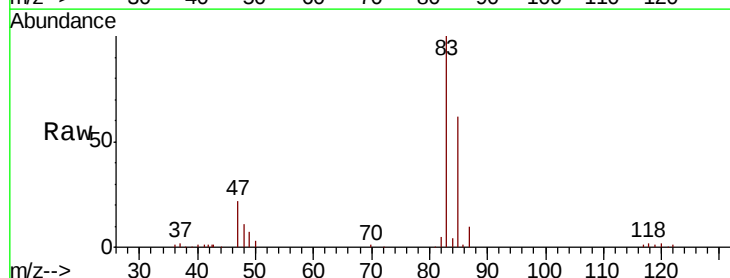
Acq: 24 Oct 2019 01:46

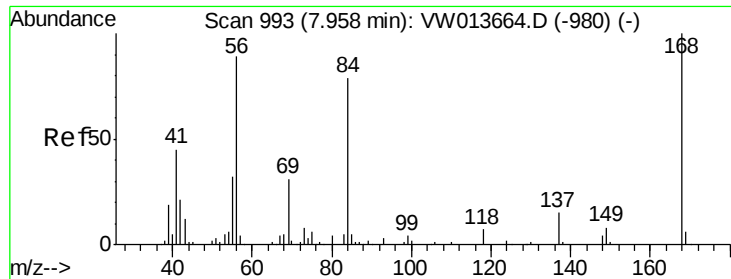
Tgt Ion: 83 Resp: 80518

Ion Ratio Lower Upper

83 100

85 62.1 51.4 77.2

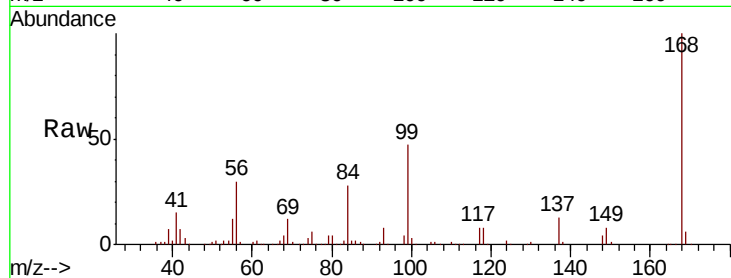




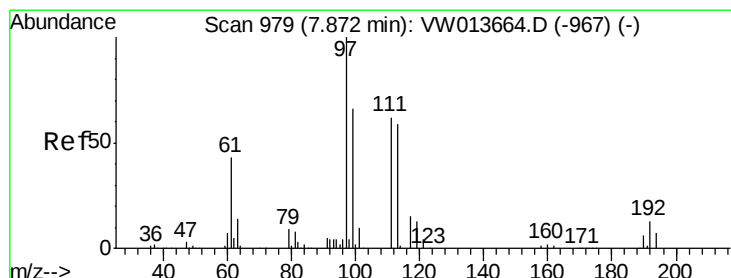
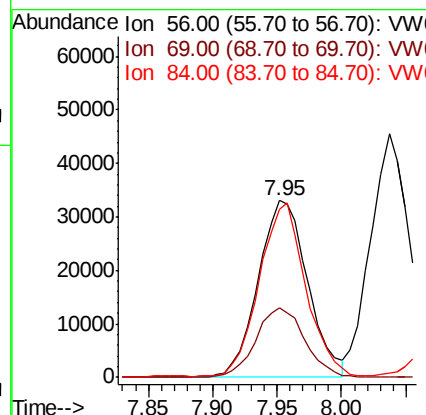
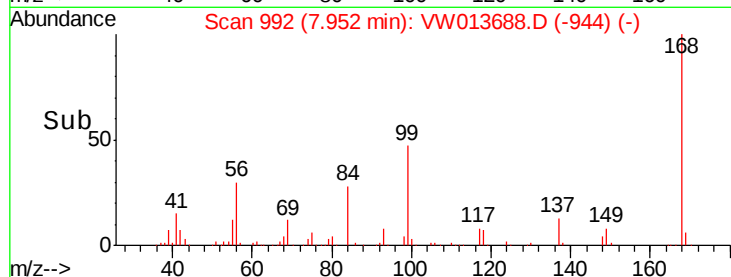
#31
Cyclohexane
Concen: 20.418 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 87873
Ion Ratio Lower Upper
56 100
69 39.1 27.5 41.3
84 94.8 70.8 106.2

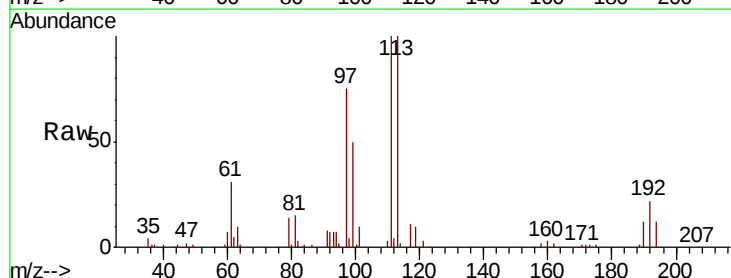


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

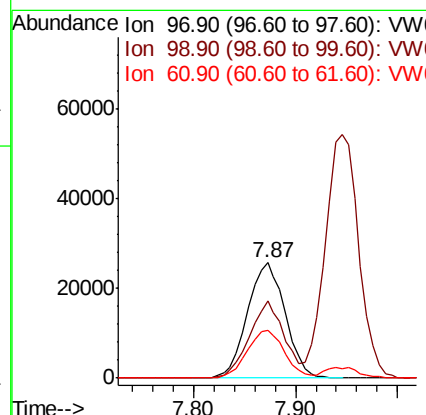
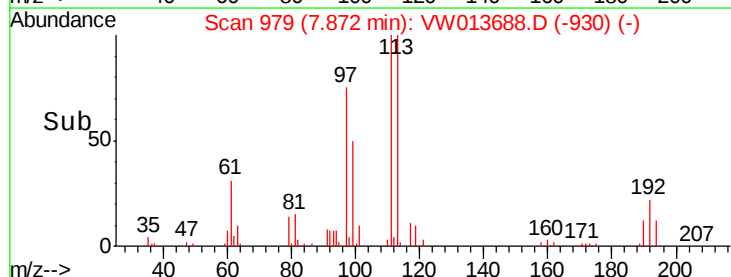


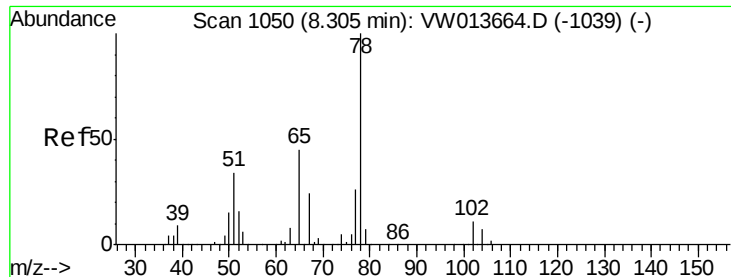
#32
1,1,1-Trichloroethane
Concen: 20.613 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 97 Resp: 65759
Ion Ratio Lower Upper
97 100
99 61.6 52.0 78.0
61 41.4 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 55.380 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

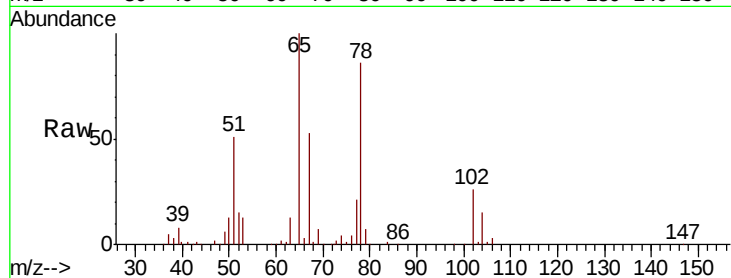
ClientSampleId :

Tot Ion: 65 Resp: 107238

Ion Ratio Lower Upper

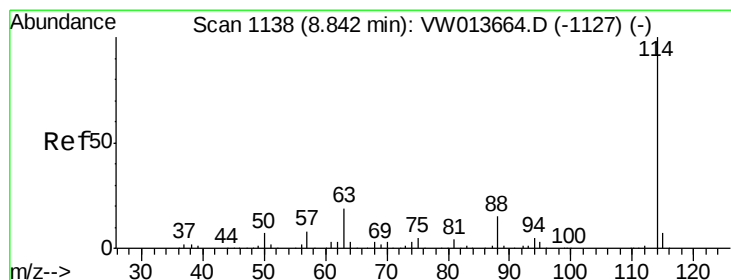
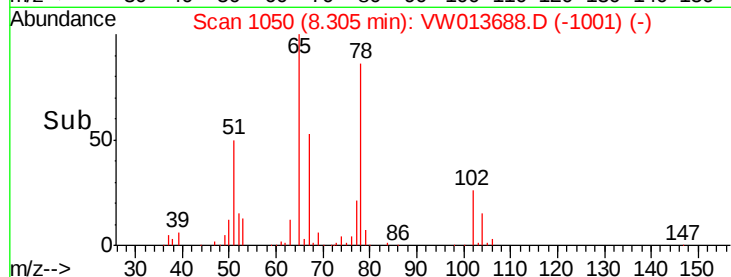
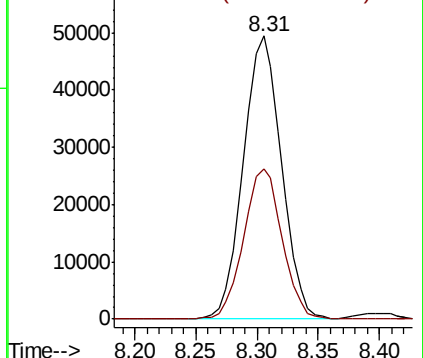
65 100

67 53.6 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

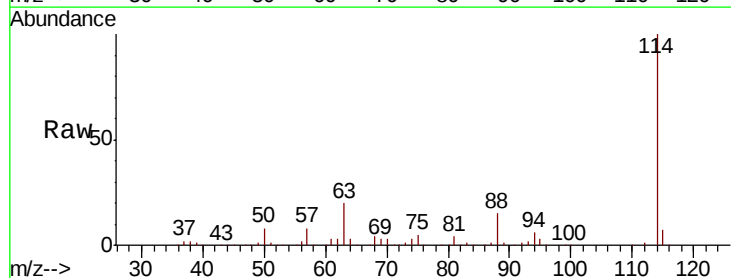
Tgt Ion: 114 Resp: 360366

Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.6

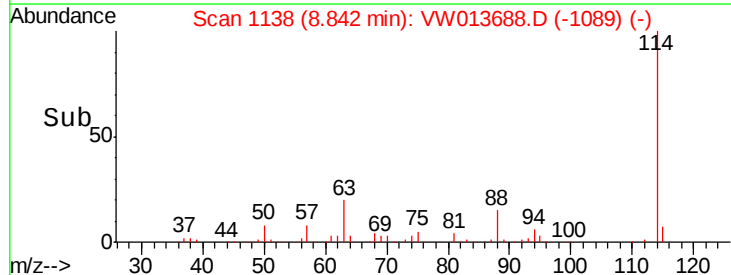
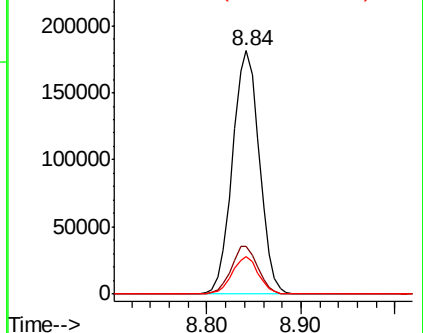
88 15.3 0.0 30.2

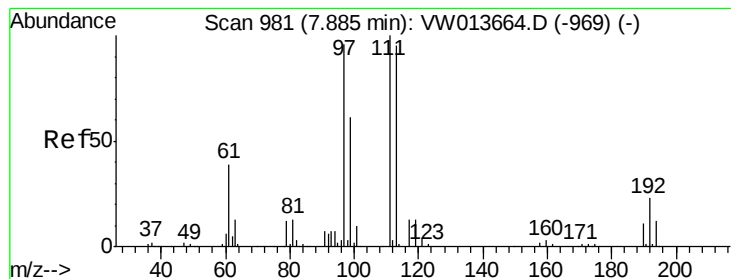


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 52.071 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

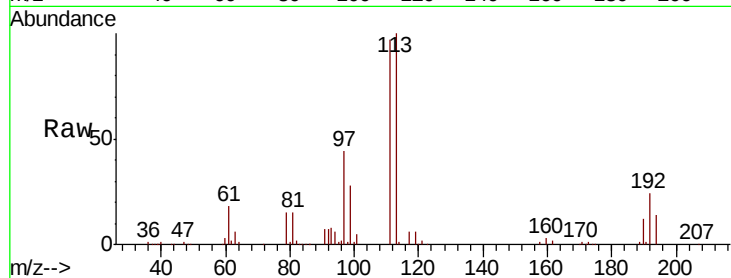
Tot Ion:113 Resp: 104266

Ion Ratio Lower Upper

113 100

111 101.5 83.0 124.6

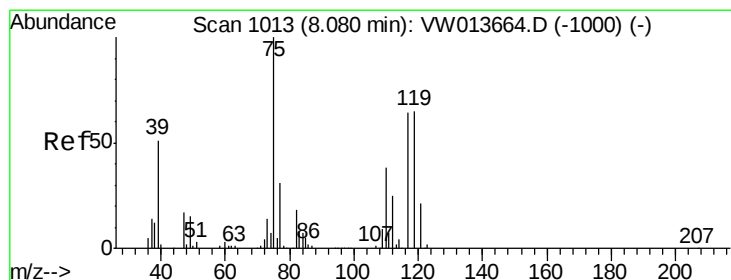
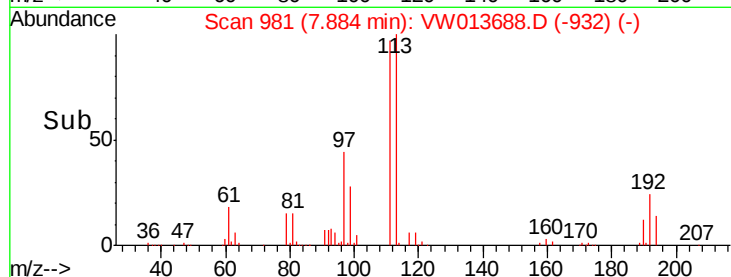
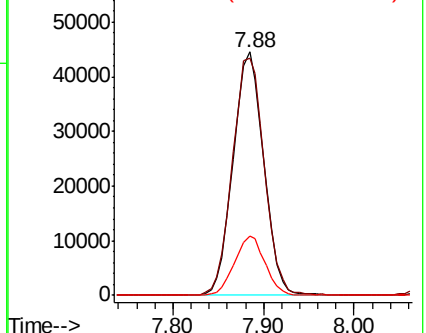
192 23.9 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.360 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

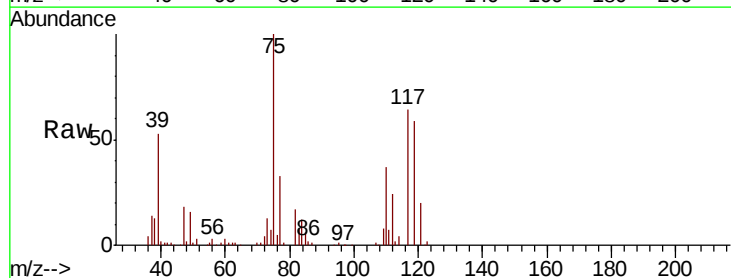
Tgt Ion: 75 Resp: 68329

Ion Ratio Lower Upper

75 100

110 38.5 18.7 56.1

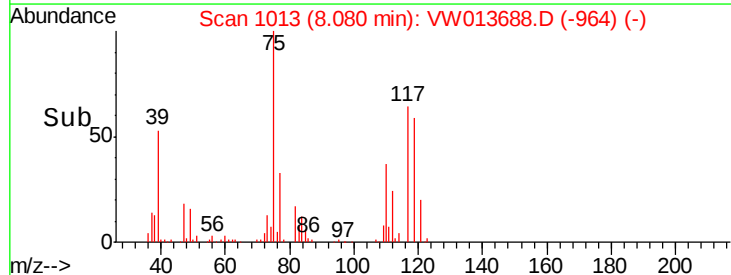
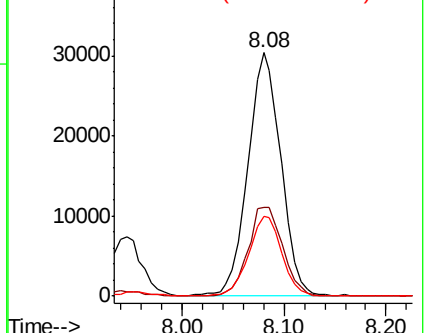
77 33.1 25.4 38.0

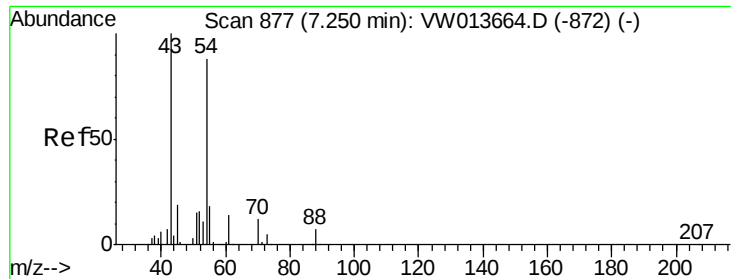


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

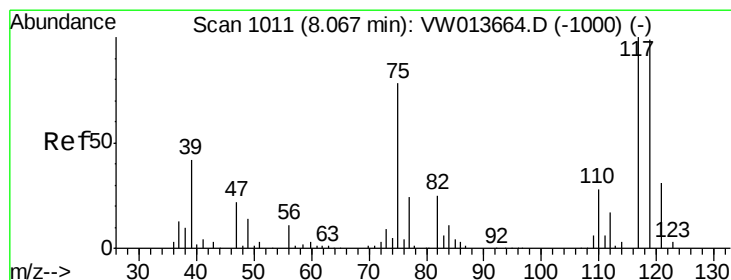
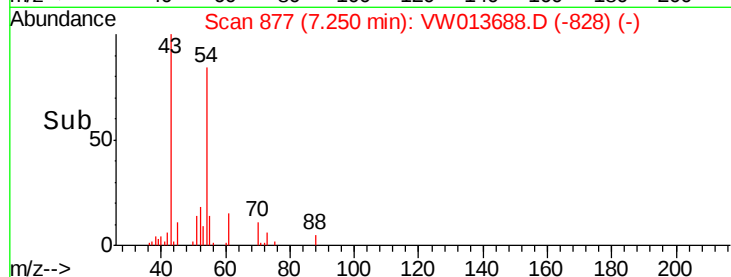
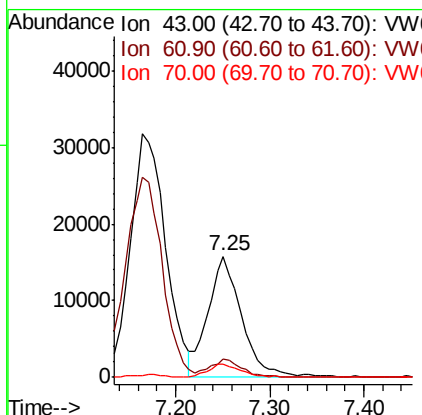
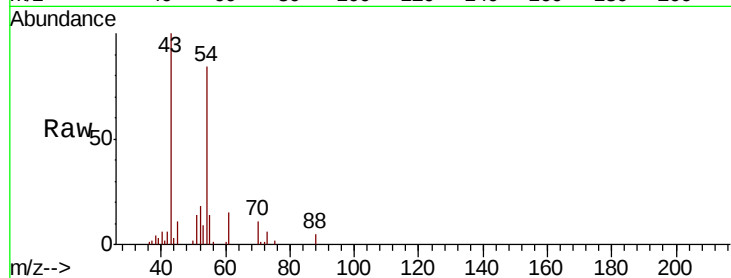




#37
Ethyl Acetate
Concen: 30.386 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

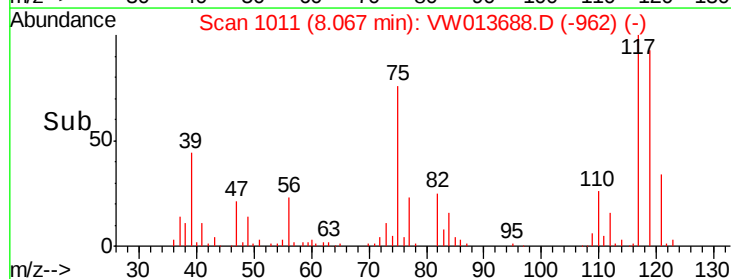
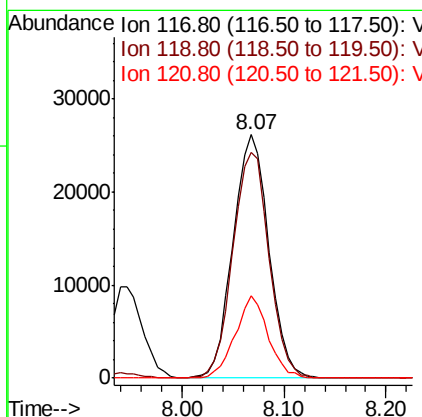
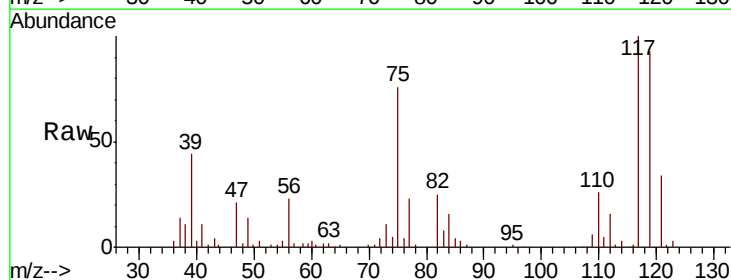
Instrument :
MSVOA_W
ClientSampleId :

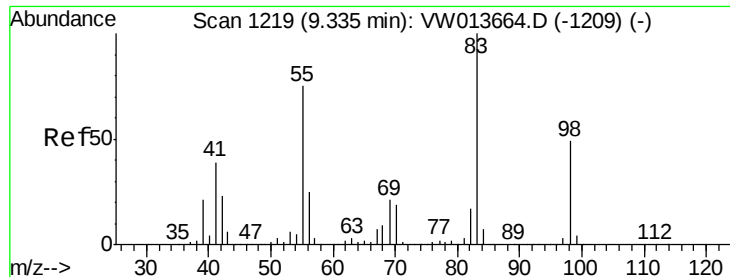
Tot Ion: 43 Resp: 39037
Ion Ratio Lower Upper
43 100
61 14.2 11.7 17.5
70 10.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 21.006 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 117 Resp: 63485
Ion Ratio Lower Upper
117 100
119 92.7 79.0 118.4
121 34.0 24.5 36.7

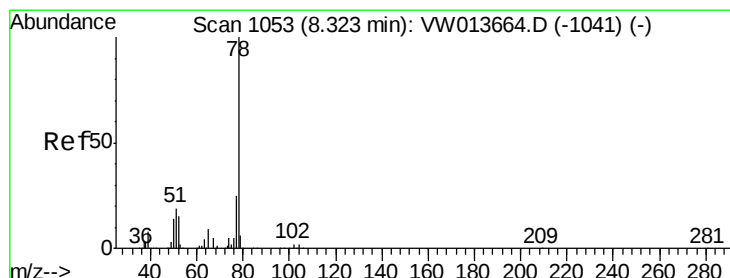
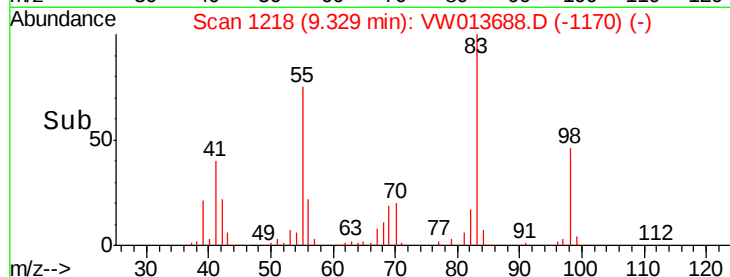
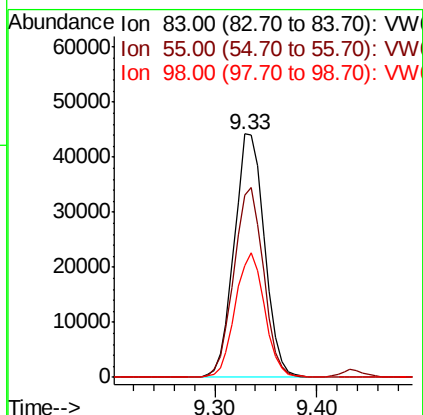
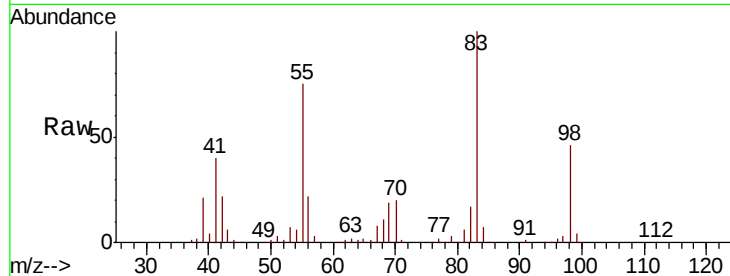




#39
Methvlcvclohexane
Concen: 20.994 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

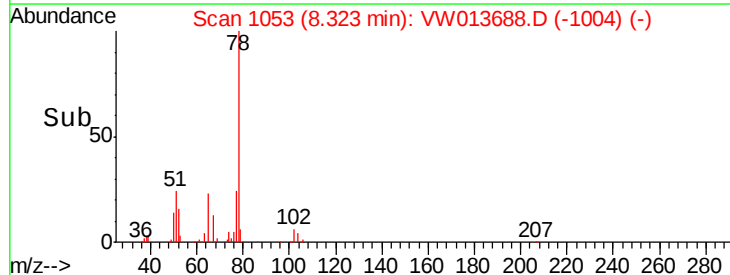
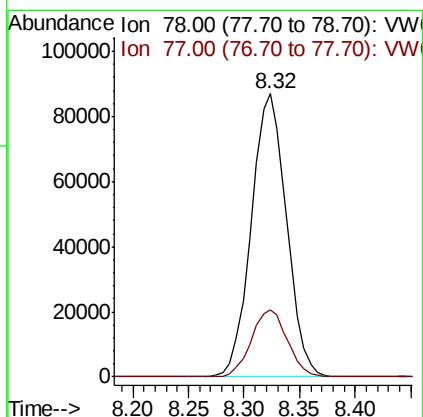
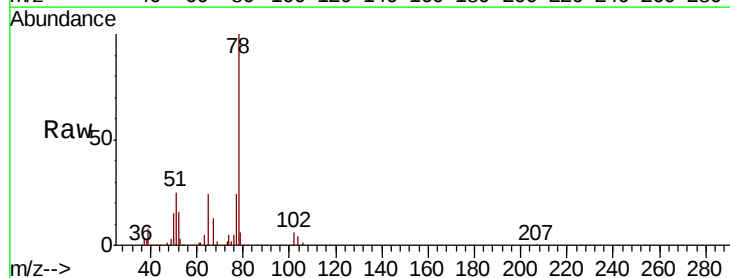
Instrument :
MSVOA_W
ClientSampled :

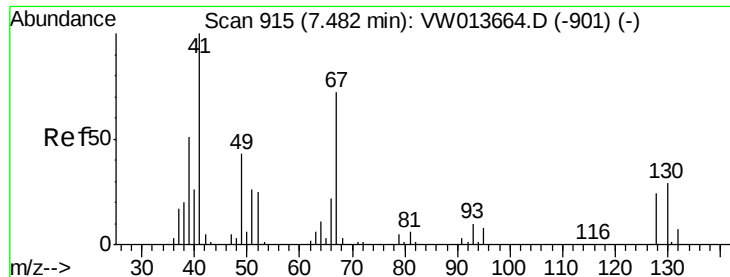
Tot Ion	83.00	Resp	90988
Ion	Ratio	Lower	Upper
83	100		
55	75.0	59.9	89.9
98	46.0	39.4	59.2



#40
Benzene
Concen: 20.168 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	78.00	Resp	191556
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.6	29.4





#41

Methacrylonitrile

Concen: 29.201 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 23394

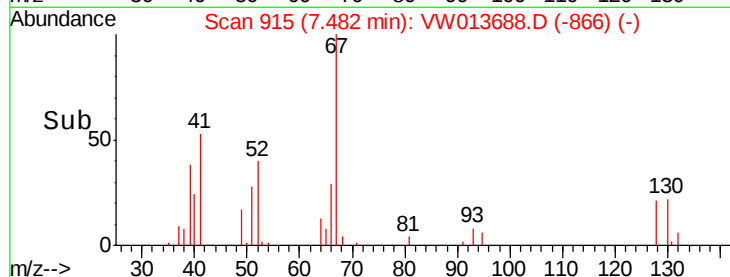
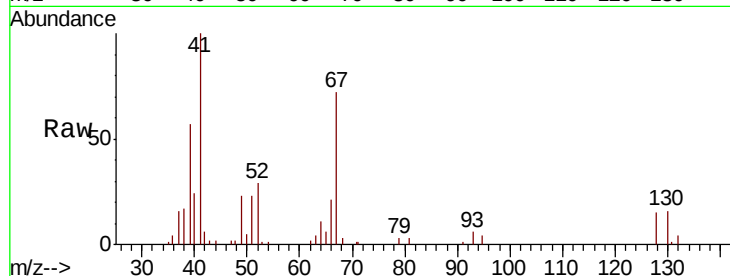
Ion Ratio Lower Upper

41 100

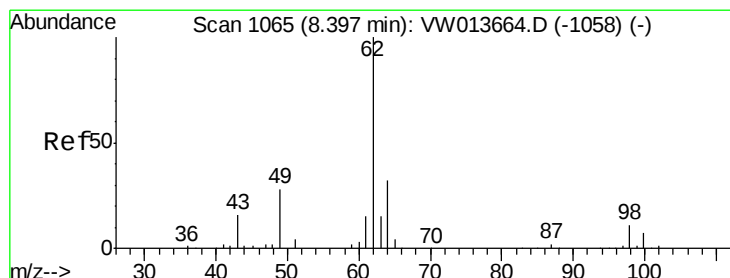
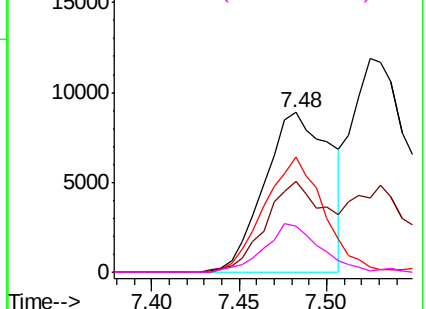
39 52.7 44.8 67.2

67 65.8 59.3 88.9

52 25.9 23.4 35.0



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 22.613 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013688.D

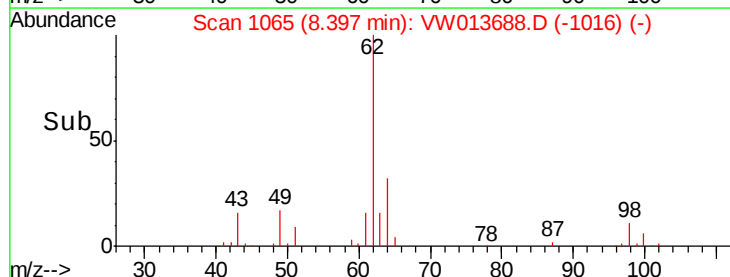
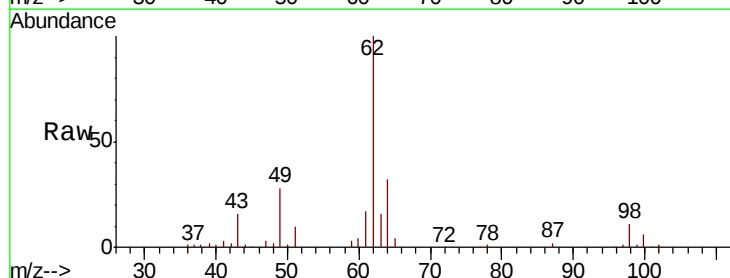
Acq: 24 Oct 2019 01:46

Tgt Ion: 62 Resp: 54121

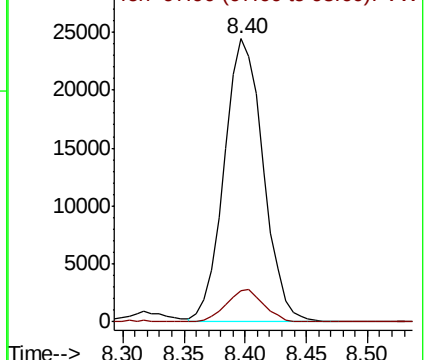
Ion Ratio Lower Upper

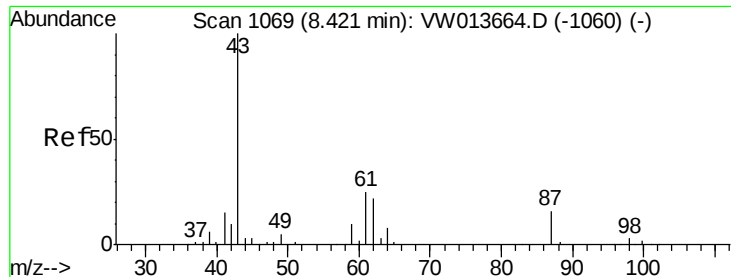
62 100

98 11.0 0.0 22.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 26.253 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

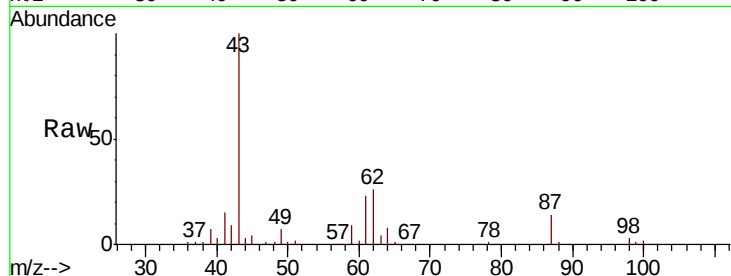
Tot Ion: 43 Resp: 64559

Ion Ratio Lower Upper

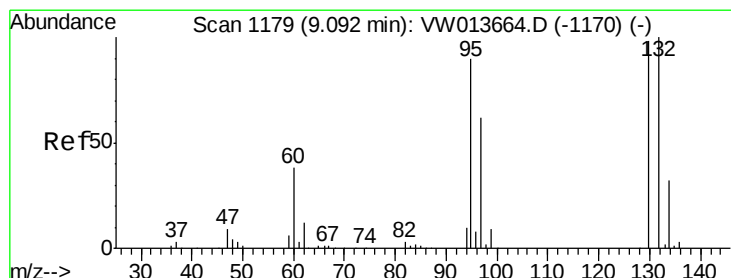
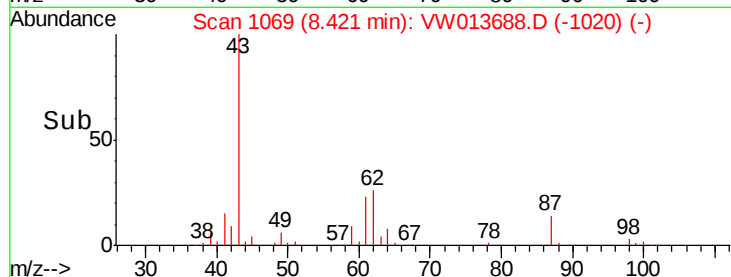
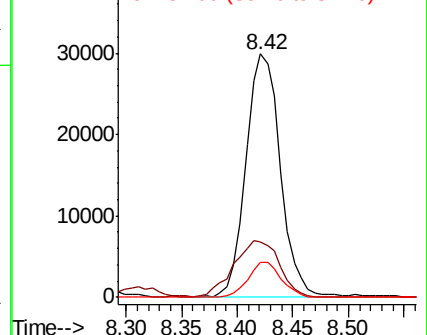
43 100

61 30.8 26.1 39.1

87 14.0 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.021 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013688.D

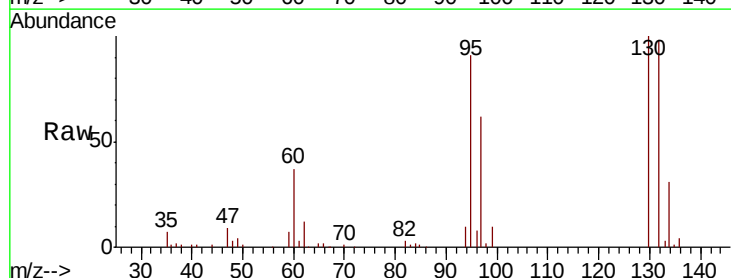
Acq: 24 Oct 2019 01:46

Tgt Ion: 130 Resp: 54471

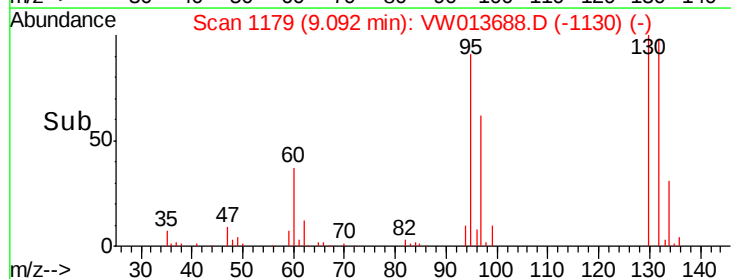
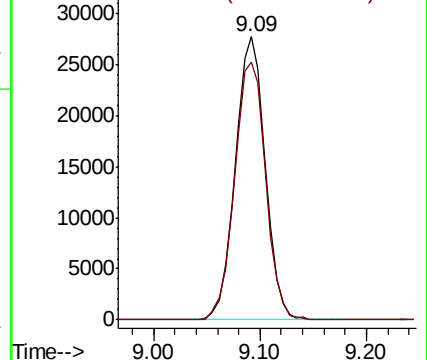
Ion Ratio Lower Upper

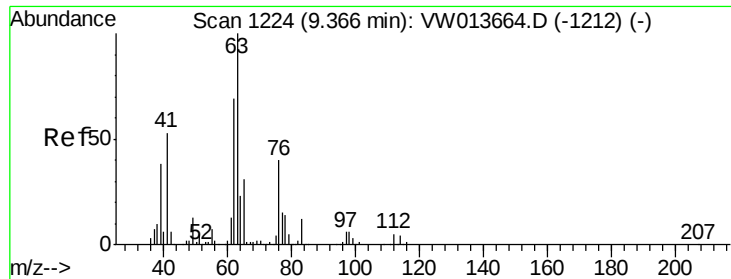
130 100

95 91.0 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.255 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

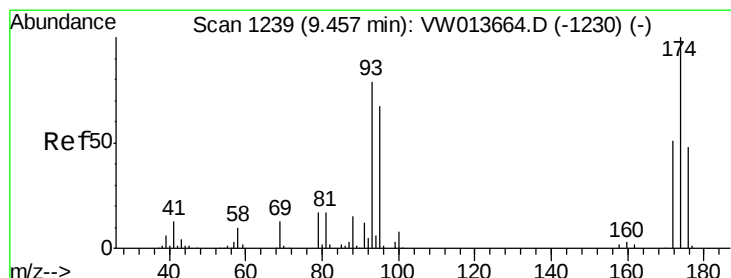
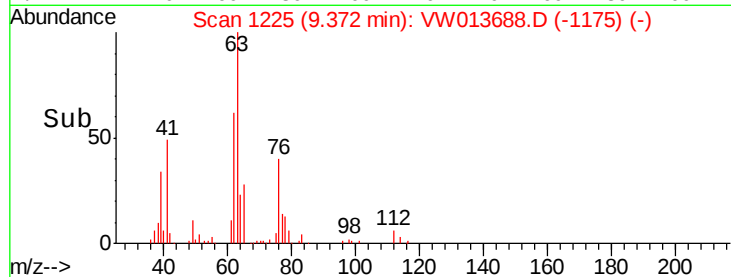
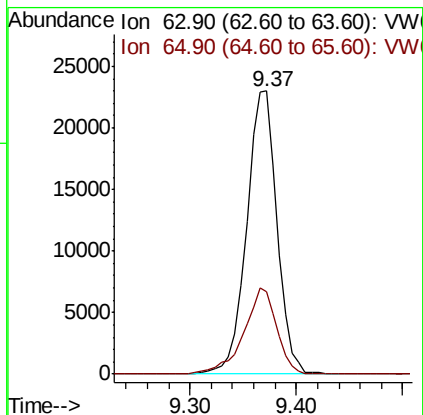
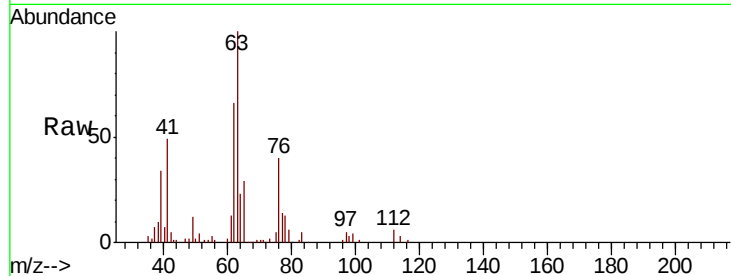
ClientSampled :

Tot Ion: 63 Resp: 45951

Ion Ratio Lower Upper

63 100

65 28.9 25.2 37.8



#46

Dibromomethane

Concen: 22.944 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

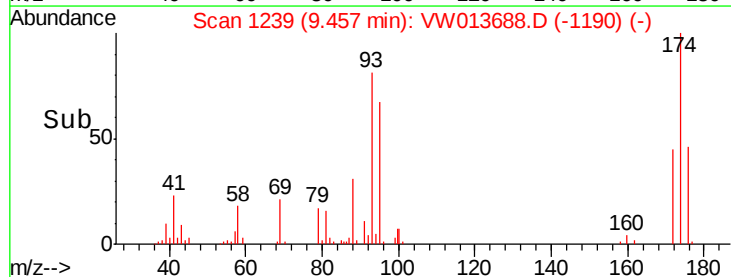
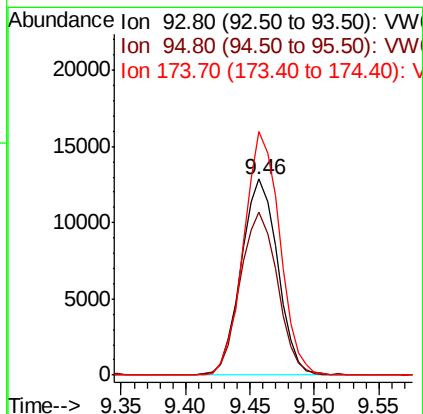
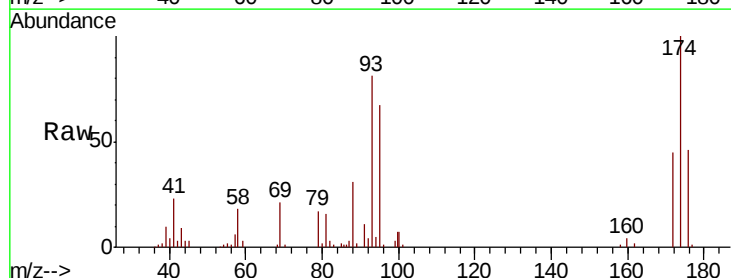
Tgt Ion: 93 Resp: 25264

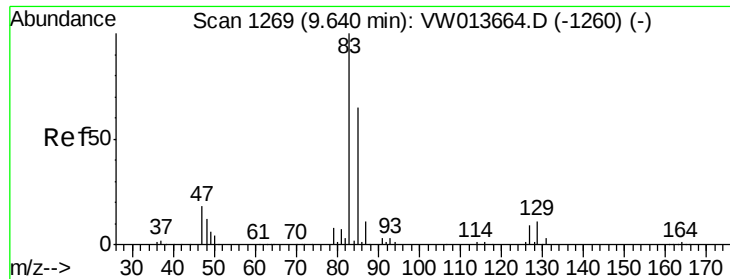
Ion Ratio Lower Upper

93 100

95 85.1 66.5 99.7

174 122.2 99.6 149.4

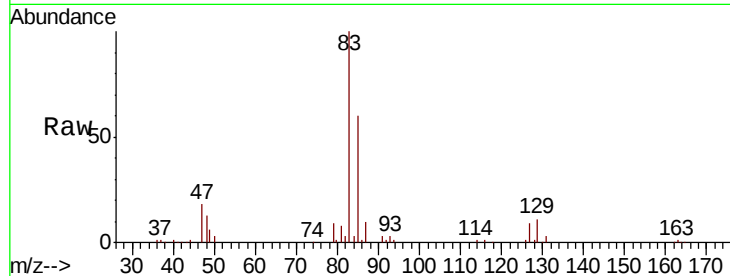




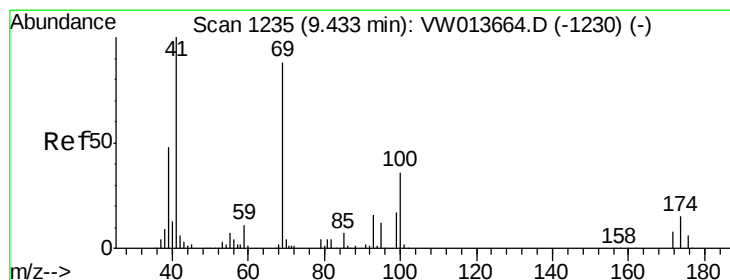
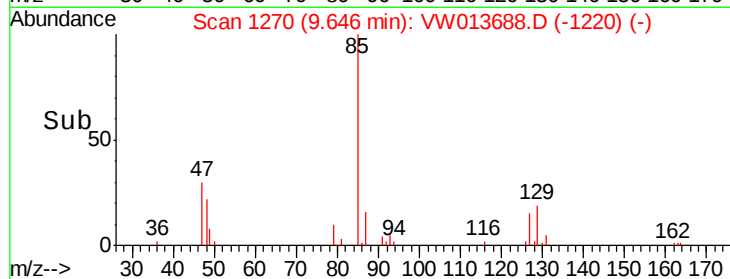
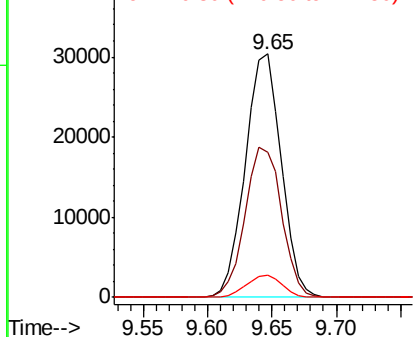
#47
Bromodichloromethane
Concen: 20.565 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 58589
Ion Ratio Lower Upper
83 100
85 59.6 51.8 77.6
127 8.9 7.3 10.9

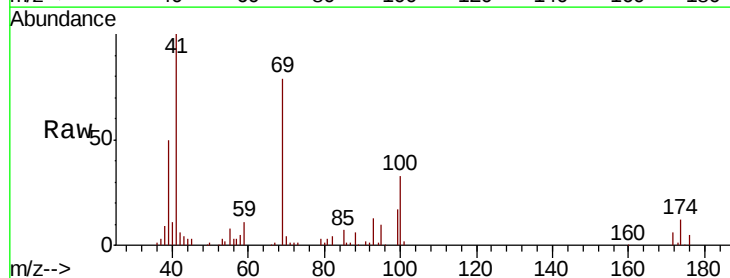


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW

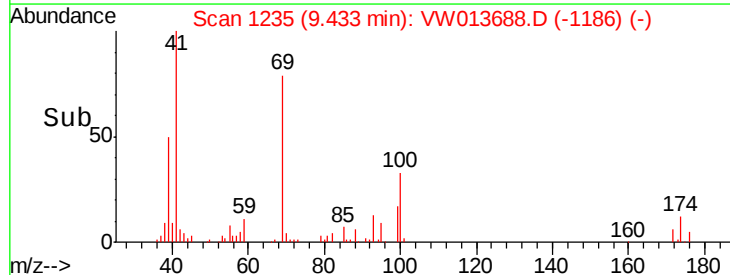
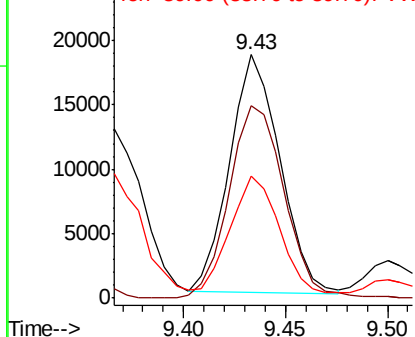


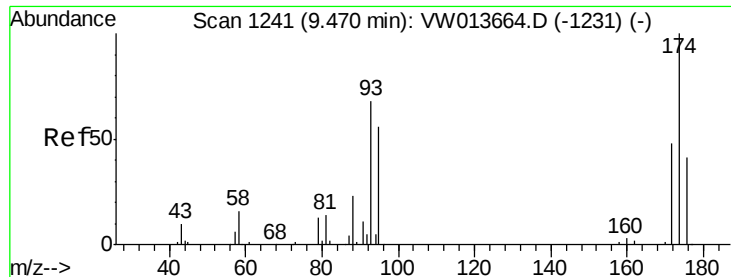
#48
Methyl methacrylate
Concen: 25.871 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 41 Resp: 31549
Ion Ratio Lower Upper
41 100
69 89.5 67.6 101.4
39 48.3 38.6 58.0



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 640.040 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.02 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

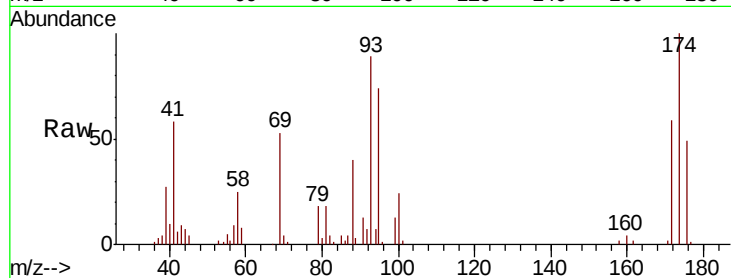
Tot Ion: 88 Resp: 10414

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

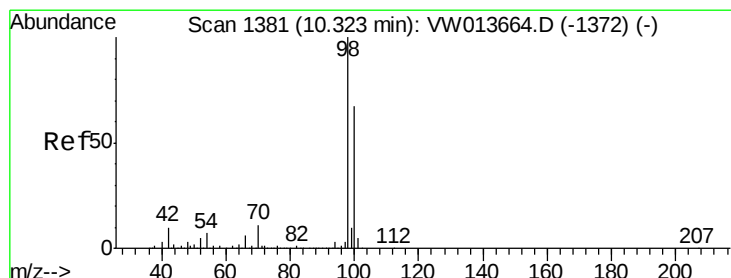
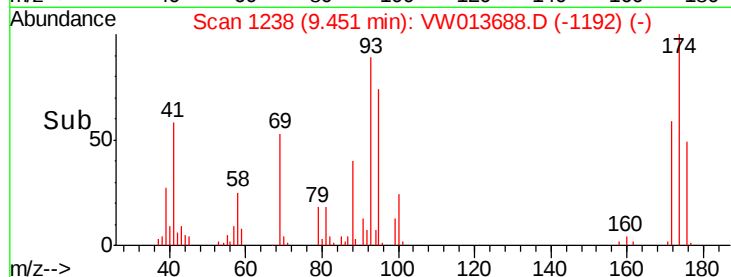
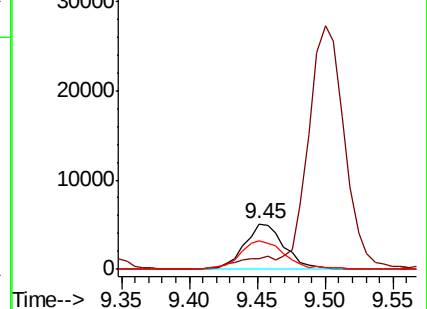
58 70.8 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 52.227 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013688.D

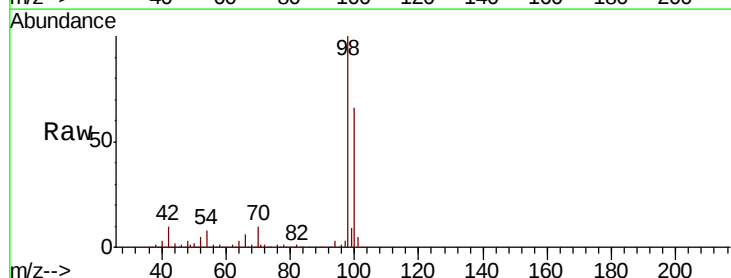
Acq: 24 Oct 2019 01:46

Tgt Ion: 98 Resp: 426134

Ion Ratio Lower Upper

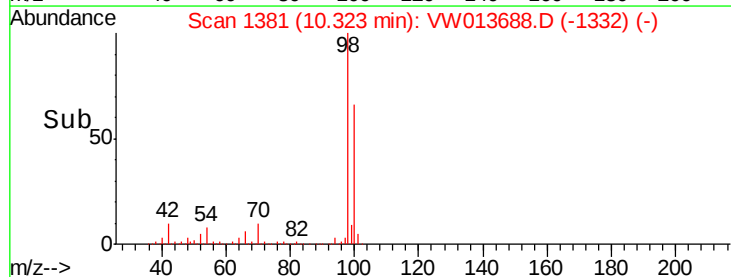
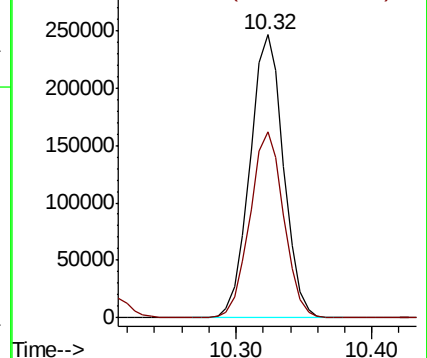
98 100

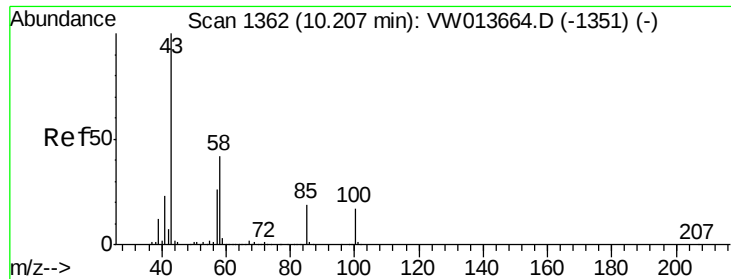
100 66.3 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

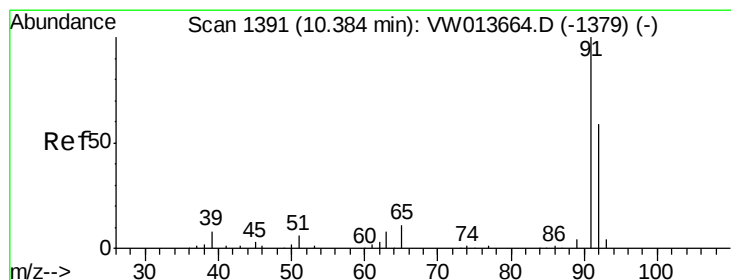
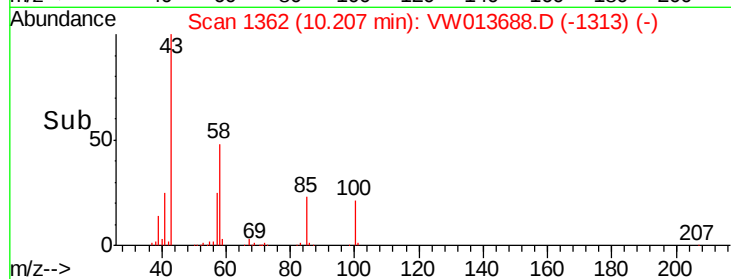
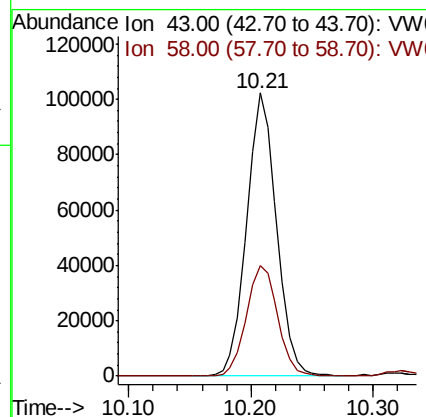
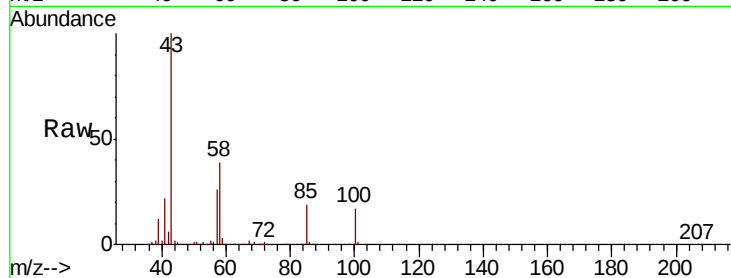




#51
4-Methyl-2-Pentanone
Concen: 142.033 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

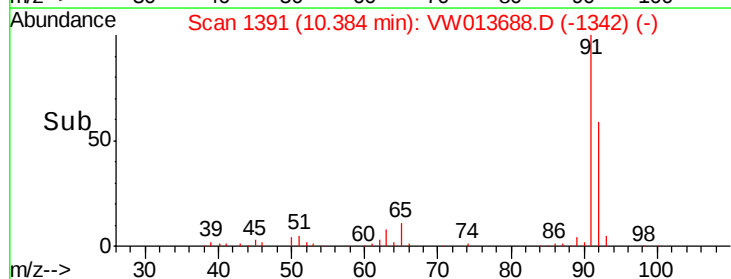
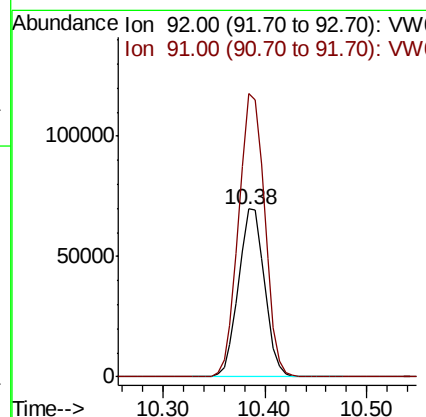
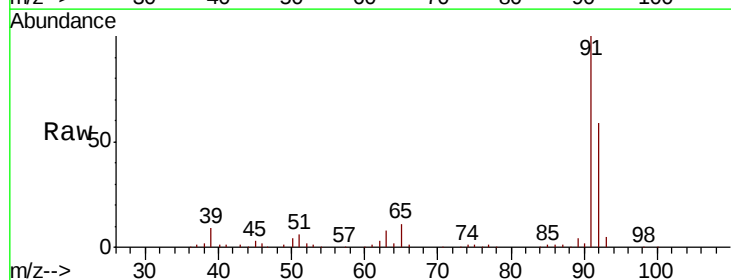
Instrument :
MSVOA_W
ClientSampled :

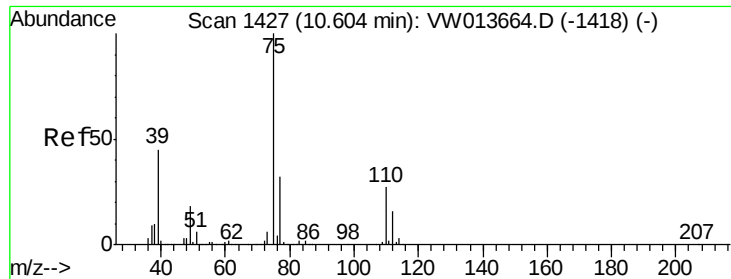
Tot Ion: 43 Resp: 173562
Ion Ratio Lower Upper
43 100
58 40.9 32.6 49.0



#52
Toluene
Concen: 20.106 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 92 Resp: 123180
Ion Ratio Lower Upper
92 100
91 169.6 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 21.023 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

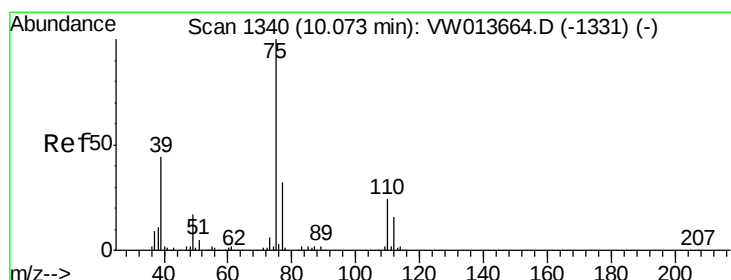
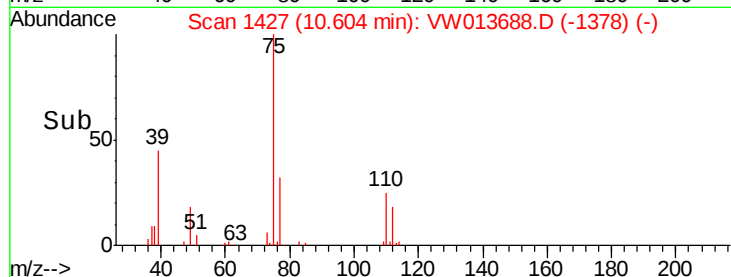
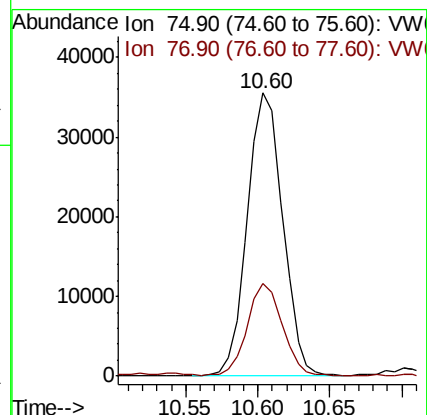
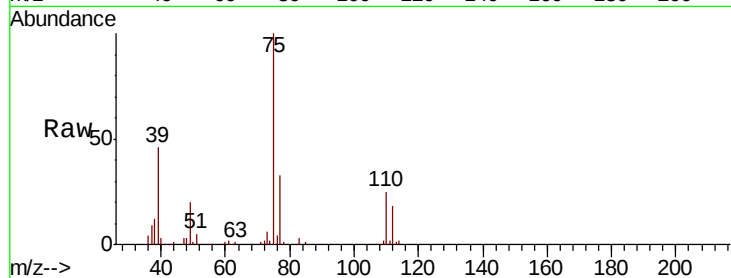
ClientSampleId :

Tot Ion: 75 Resp: 60633

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.881 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

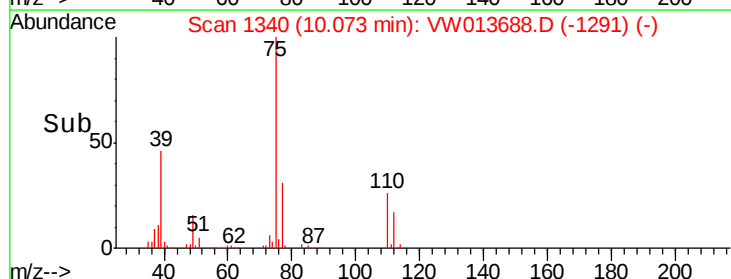
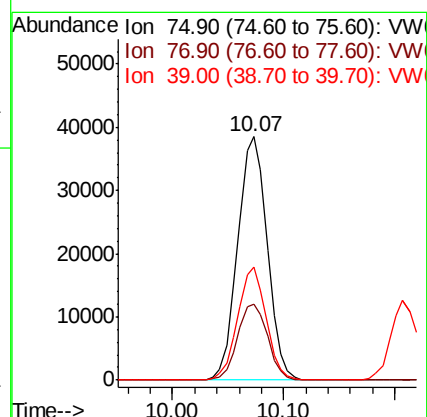
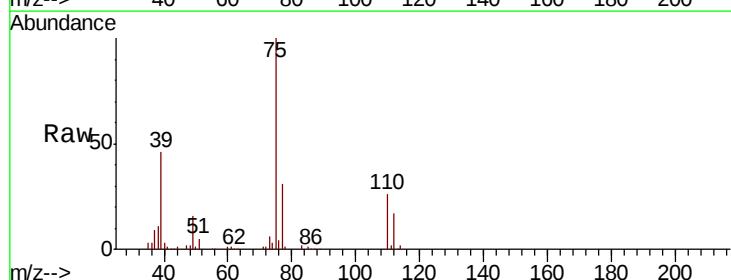
Tgt Ion: 75 Resp: 70745

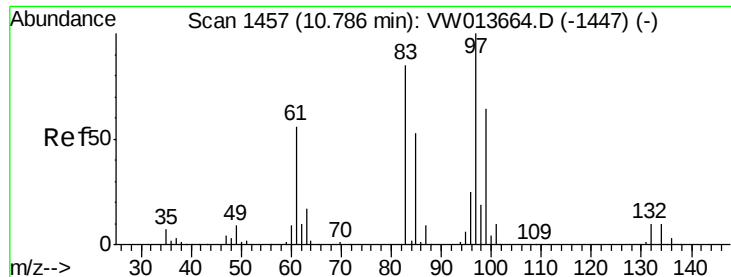
Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.6

39 46.4 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 23.125 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 37948

Ion	Ratio	Lower	Upper
97	100		
83	76.8	67.8	101.8
85	51.2	42.1	63.1
99	63.2	51.4	77.0

Abundance

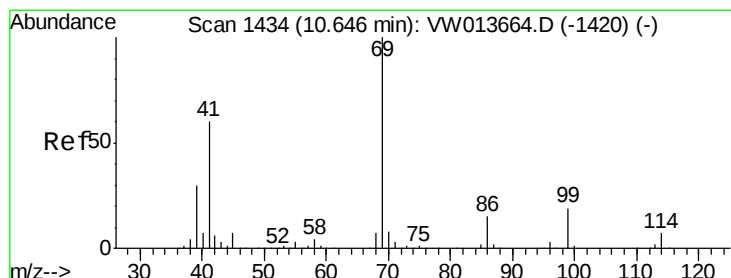
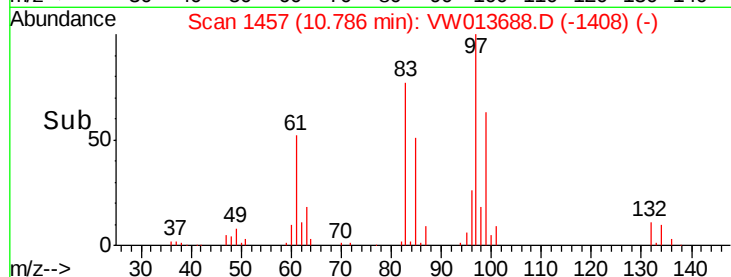
Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

Time-->



#56

Ethyl methacrylate

Concen: 24.728 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Tgt Ion: 69 Resp: 50770

Ion	Ratio	Lower	Upper
69	100		
41	64.6	51.6	77.4
39	27.8	22.4	33.6

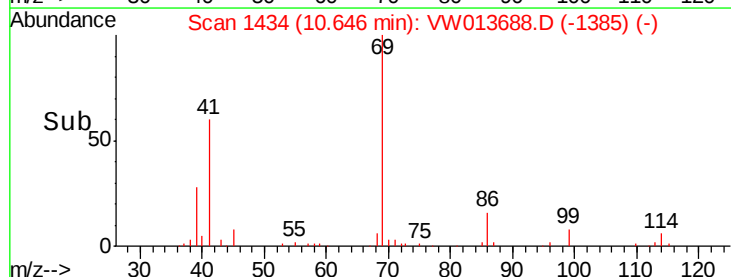
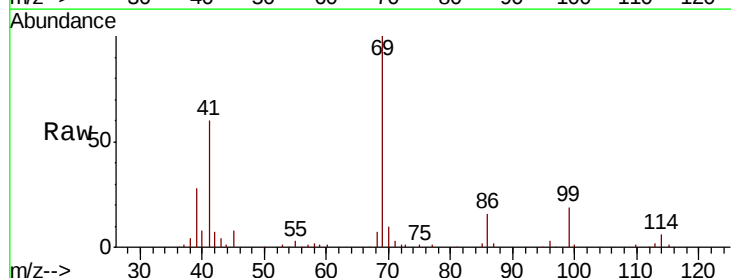
Abundance

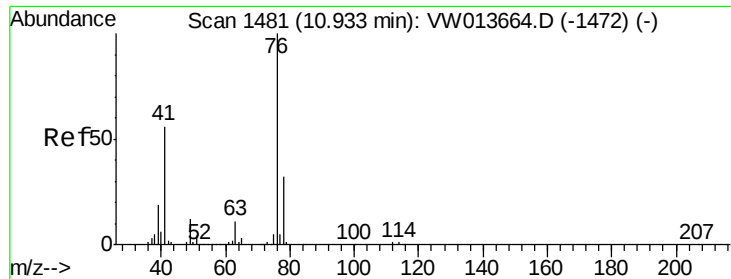
Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Time-->

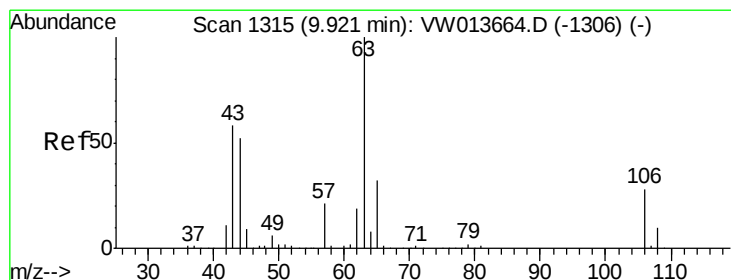
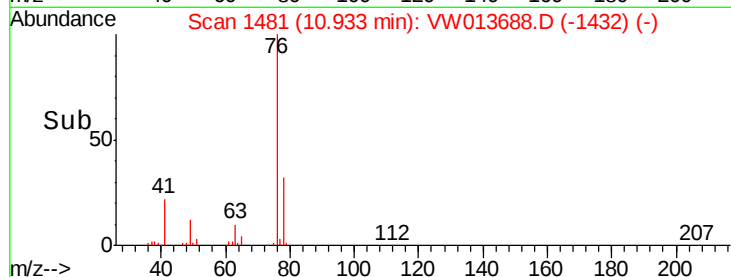
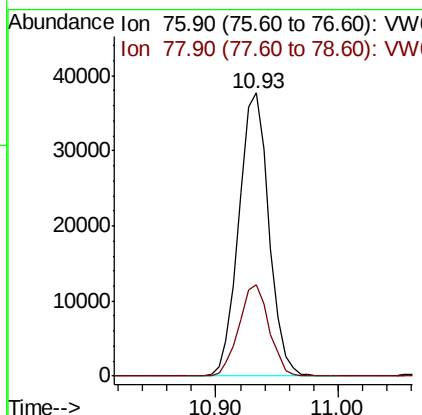
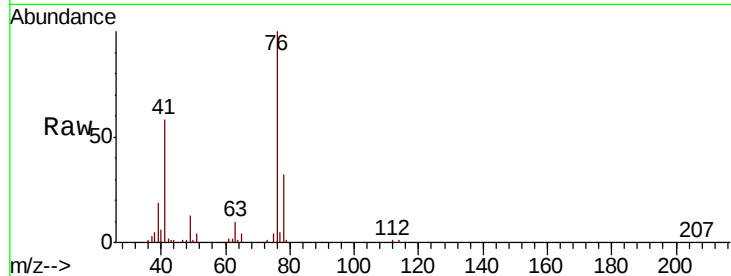




#57
 1,3-Dichloropropane
 Concen: 22.812 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

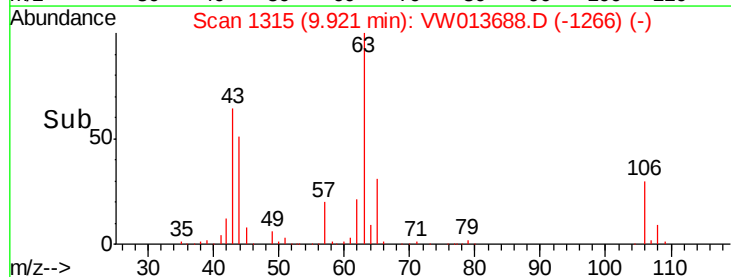
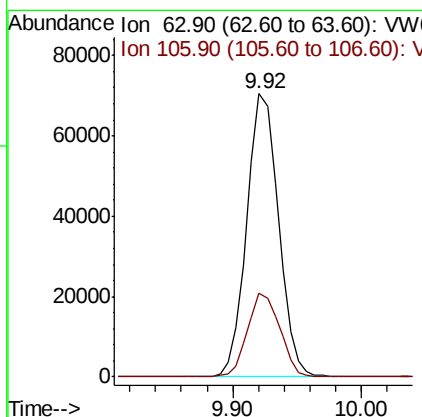
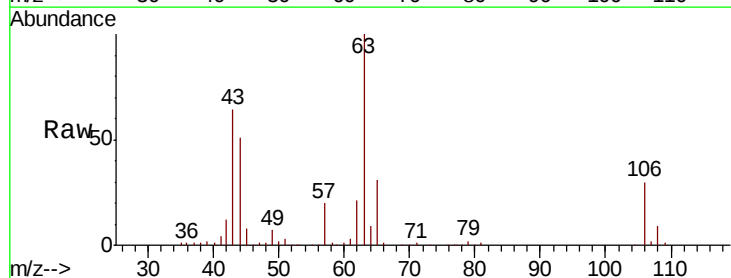
Instrument :
 MSVOA_W
 ClientSampleId :

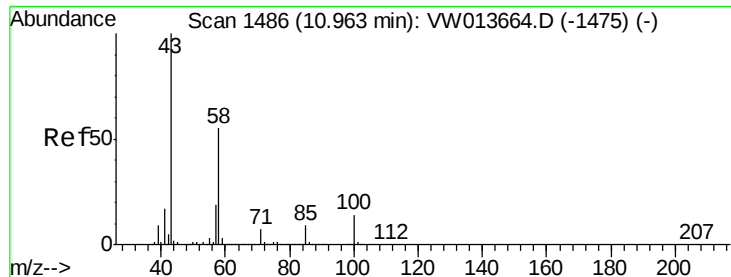
Tot Ion: 76 Resp: 64241
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 127.230 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Tgt Ion: 63 Resp: 120221
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.8 35.8

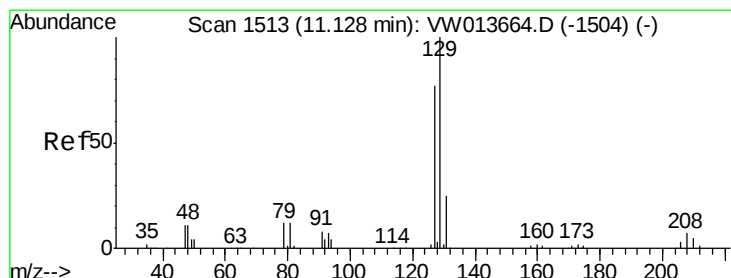
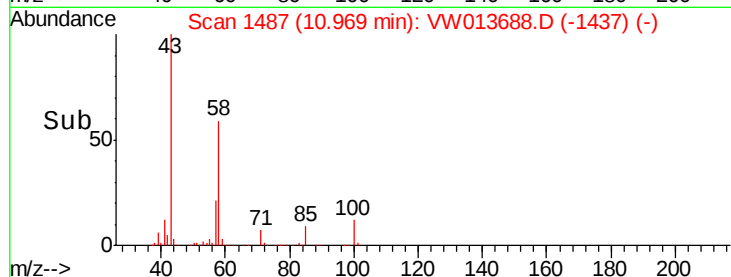
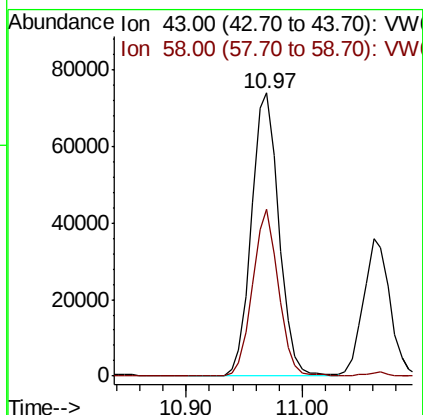
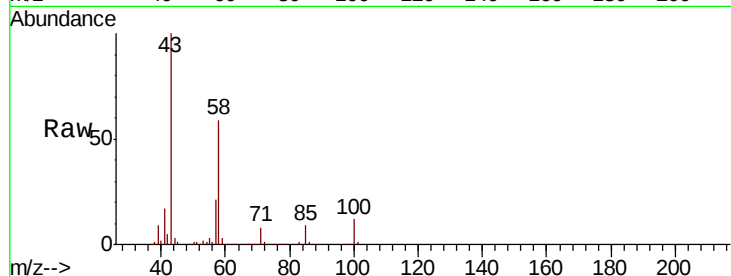




#59
2-Hexanone
Concen: 145.119 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

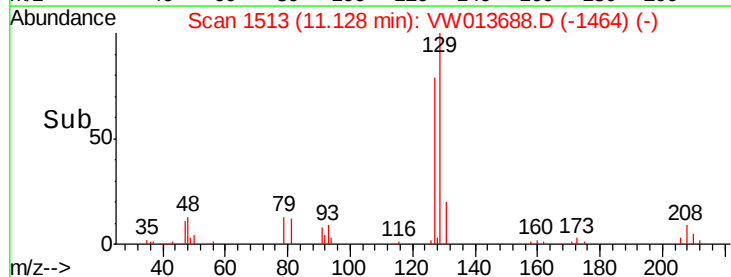
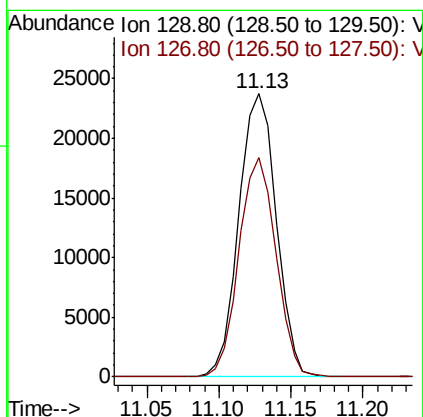
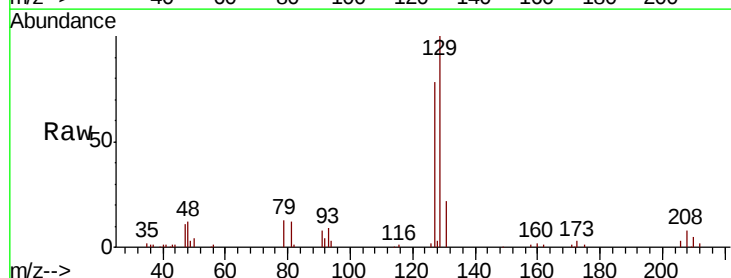
Instrument :
MSVOA_W
ClientSampleId :

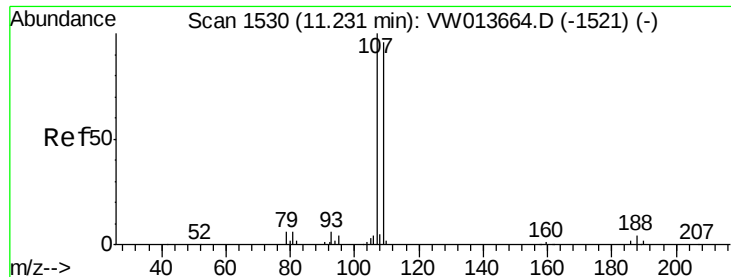
Tot Ion: 43 Resp: 122253
Ion Ratio Lower Upper
43 100
58 55.6 27.9 83.7



#60
Dibromochloromethane
Concen: 22.013 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 129 Resp: 42890
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7

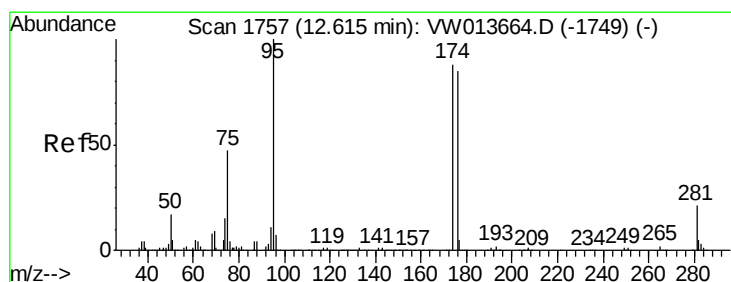
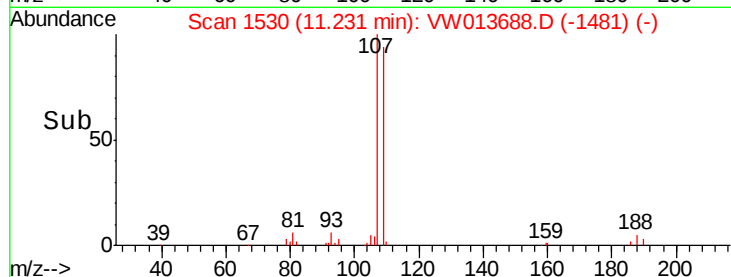
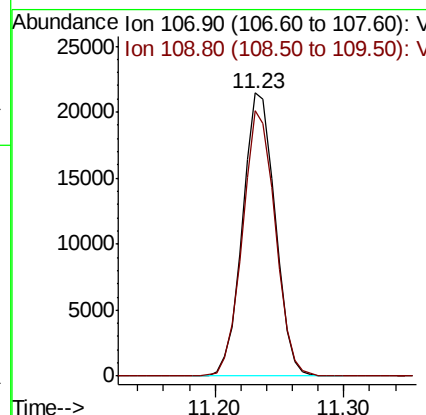
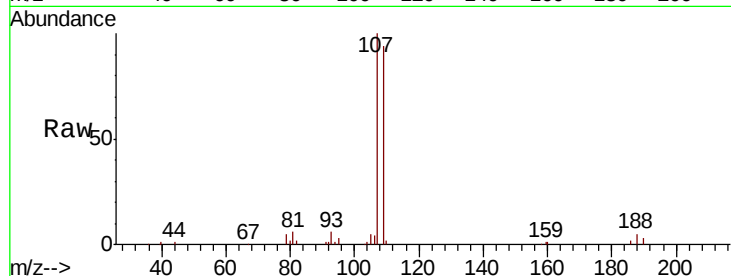




#61
1,2-Dibromoethane
Concen: 24.105 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

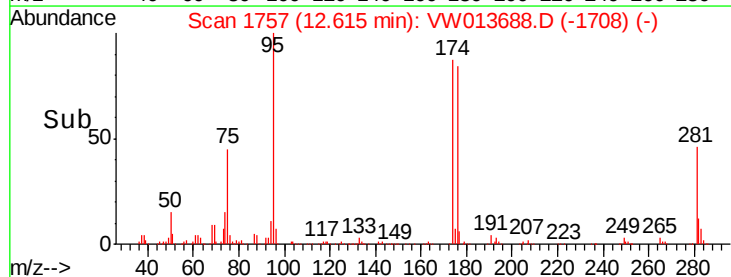
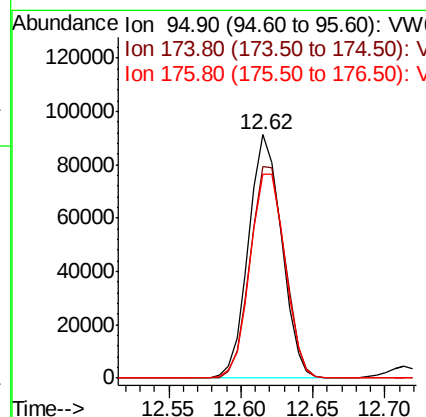
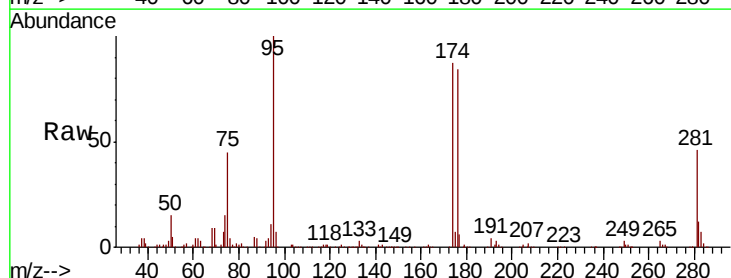
Instrument :
MSVOA_W
ClientSampleId :

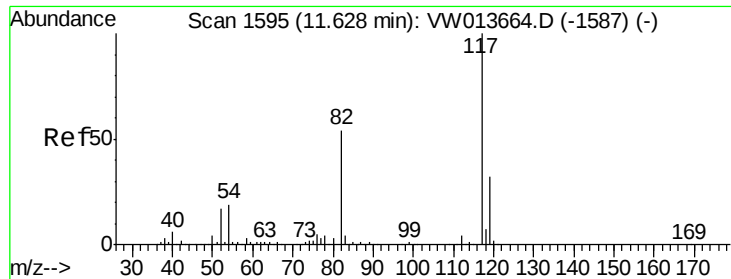
Tot Ion:107 Resp: 37423
Ion Ratio Lower Upper
107 100
109 94.2 75.7 113.5



#62
4-Bromofluorobenzene
Concen: 52.618 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 95 Resp: 145369
Ion Ratio Lower Upper
95 100
174 91.1 0.0 183.6
176 88.7 0.0 178.0

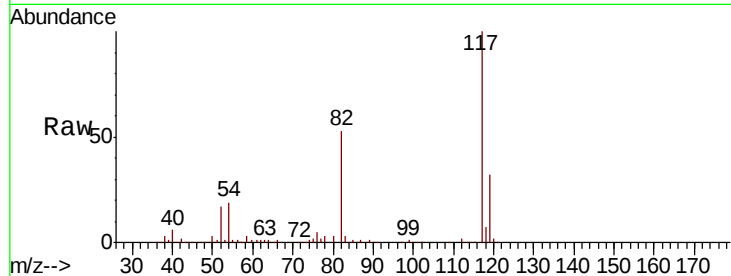




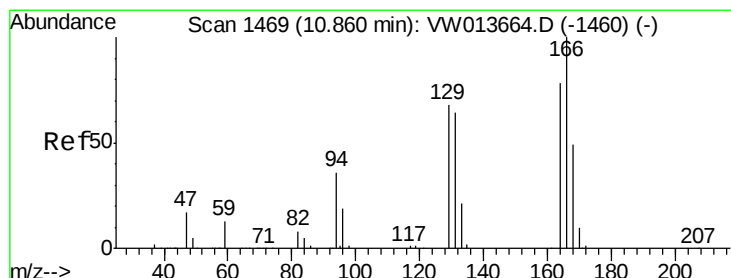
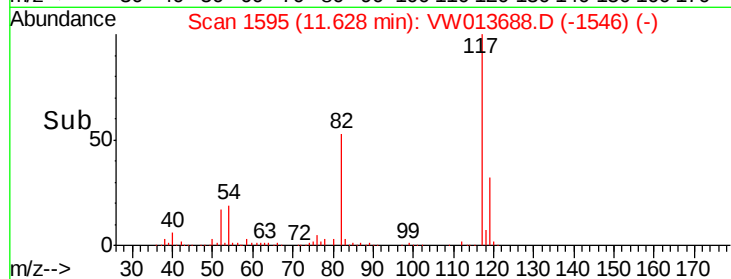
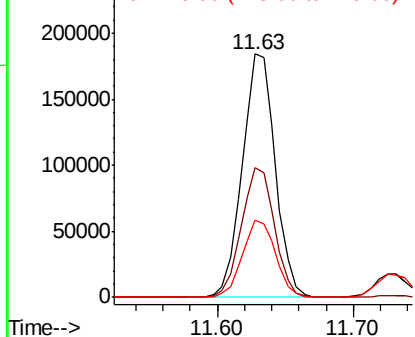
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 312207
Ion Ratio Lower Upper
117 100
82 53.2 43.6 65.4
119 31.6 25.4 38.2

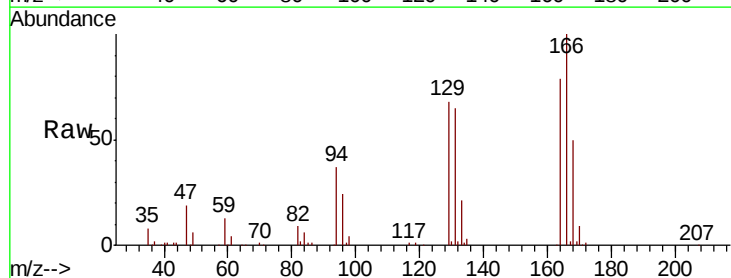


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

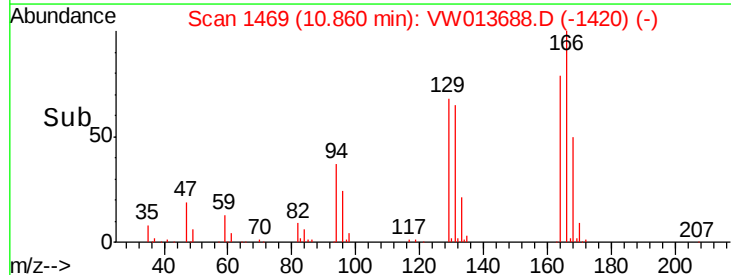
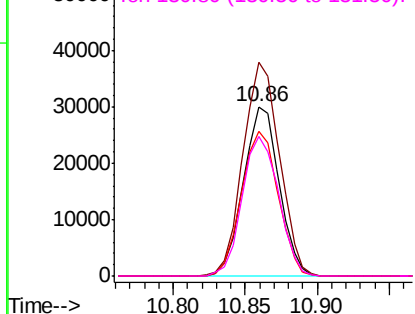


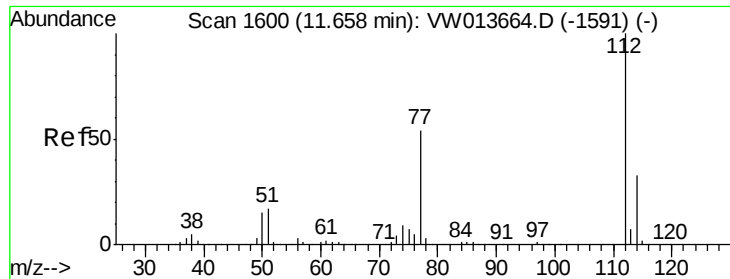
#64
Tetrachloroethene
Concen: 21.583 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion:164 Resp: 51484
Ion Ratio Lower Upper
164 100
166 126.2 103.2 154.8
129 85.7 70.6 105.8
131 82.3 66.0 99.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

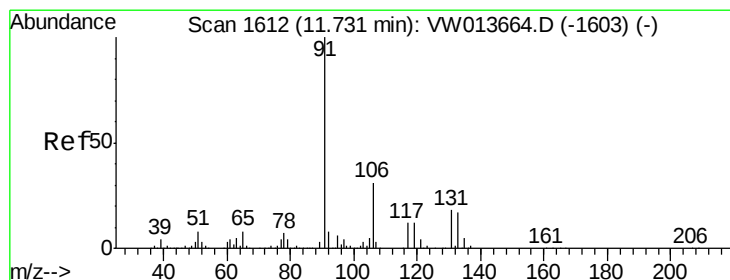
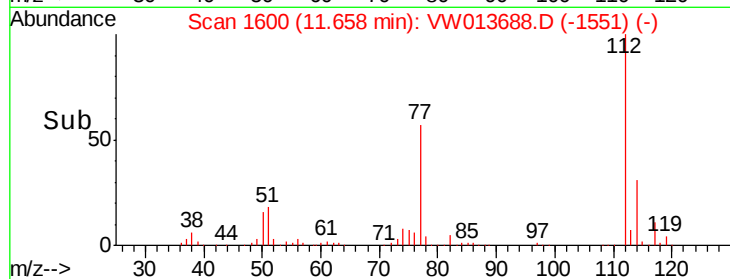
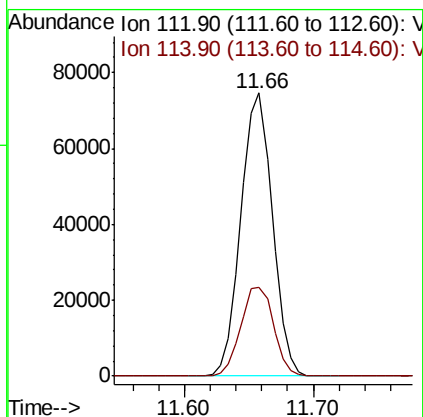
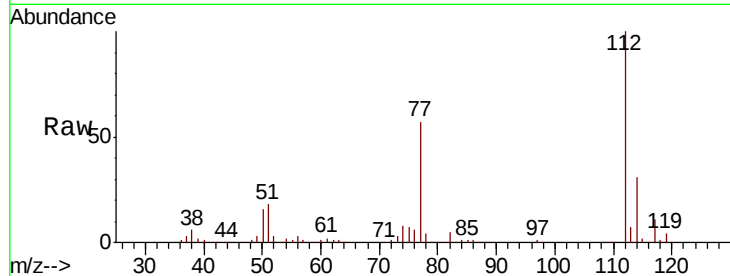




#65
Chlorobenzene
Concen: 19.712 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

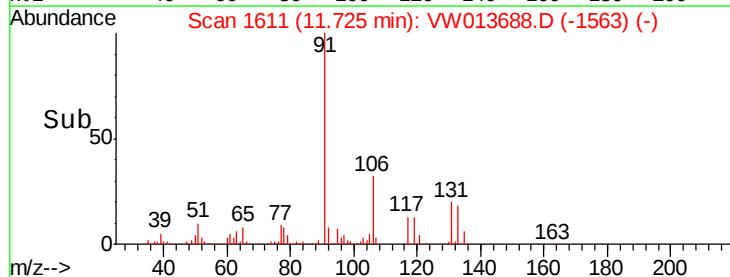
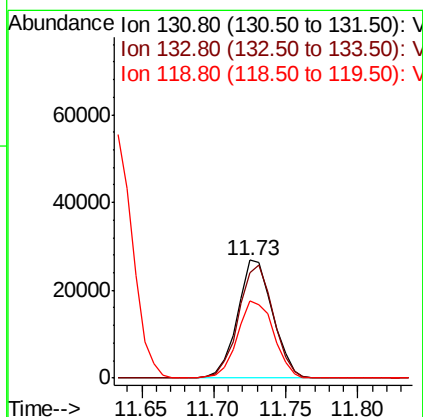
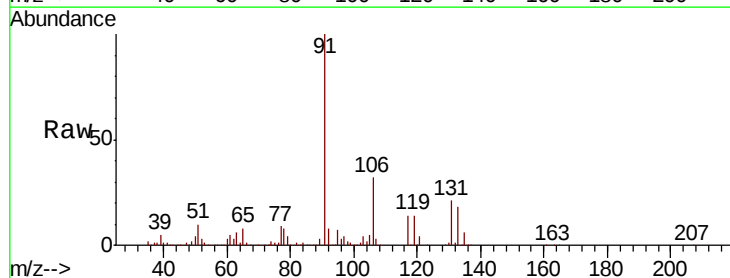
Instrument :
MSVOA_W
ClientSampleId :

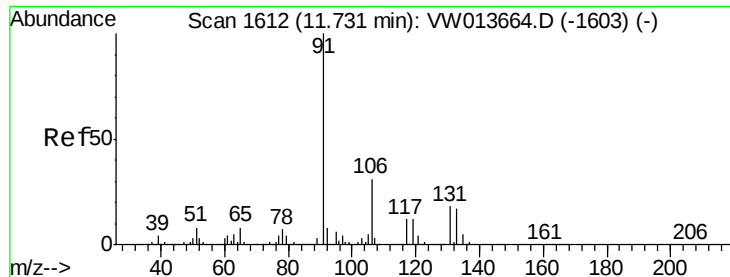
Tot Ion:112 Resp: 126465
Ion Ratio Lower Upper
112 100
114 31.4 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.260 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion:131 Resp: 45363
Ion Ratio Lower Upper
131 100
133 95.2 47.4 142.3
119 67.9 33.1 99.2





#67

Ethyl Benzene

Concen: 19.647 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

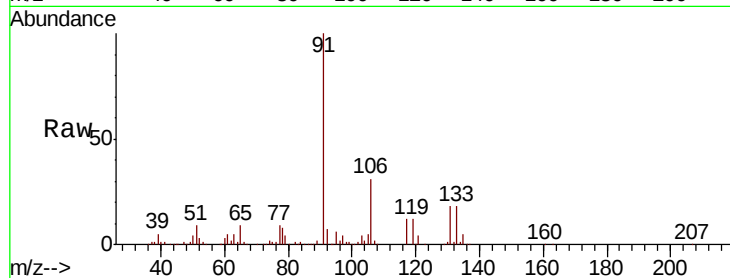
ClientSampleId :

Tot Ion: 91 Resp: 227287

Ion Ratio Lower Upper

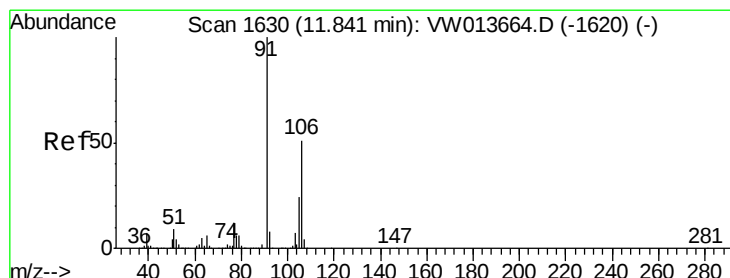
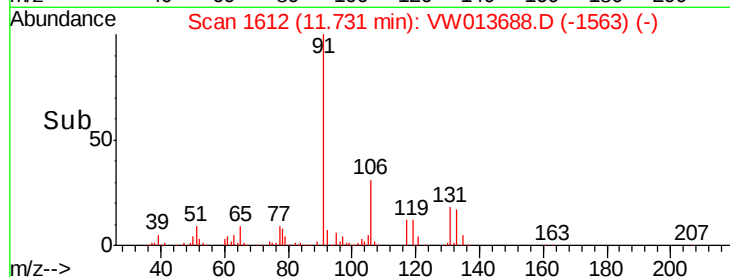
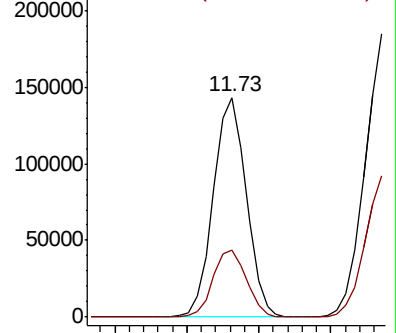
91 100

106 30.7 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.726 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013688.D

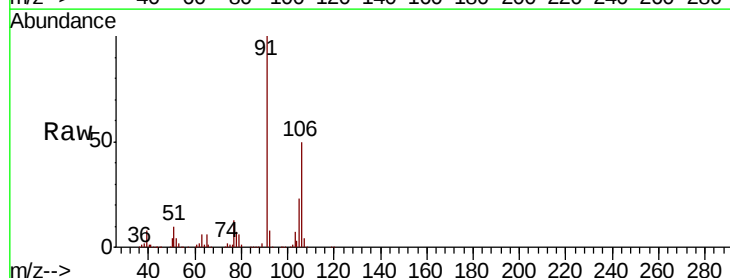
Acq: 24 Oct 2019 01:46

Tgt Ion: 106 Resp: 177555

Ion Ratio Lower Upper

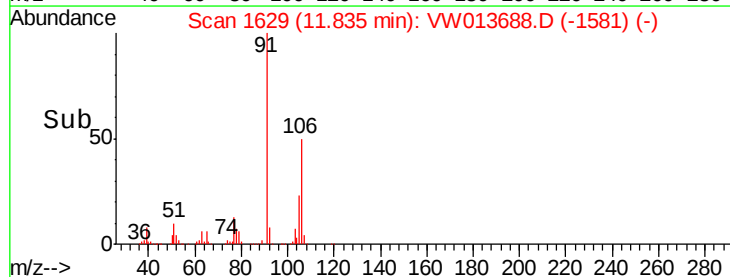
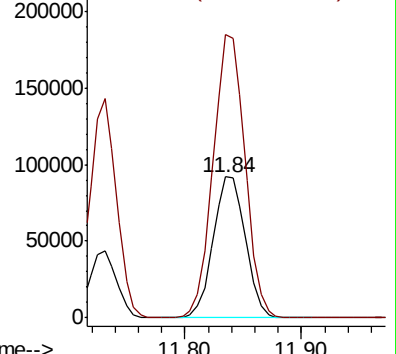
106 100

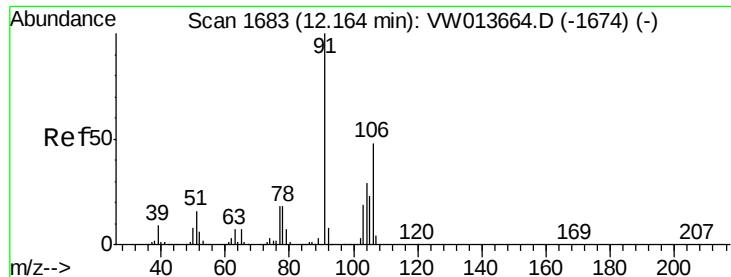
91 198.2 159.2 238.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

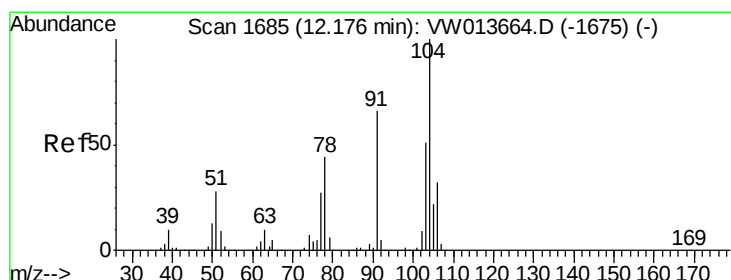
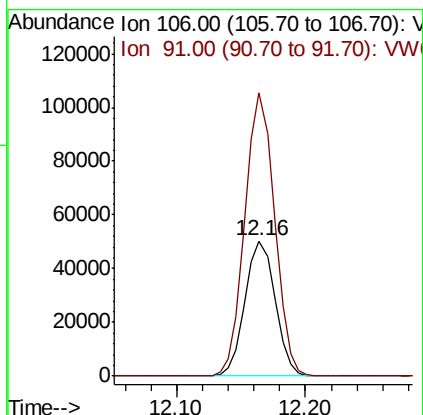
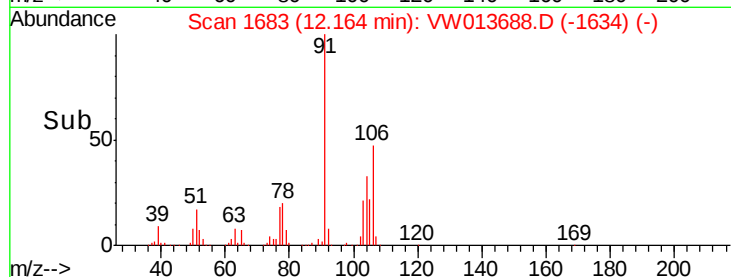
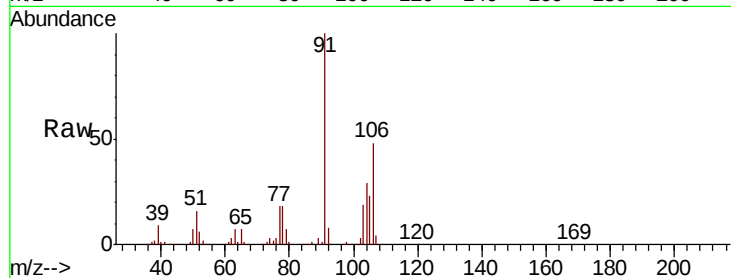




#69
o-Xylene
Concen: 19.777 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

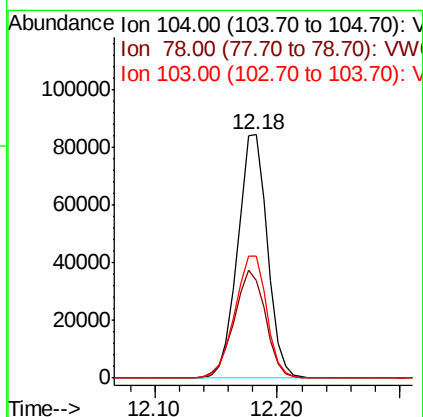
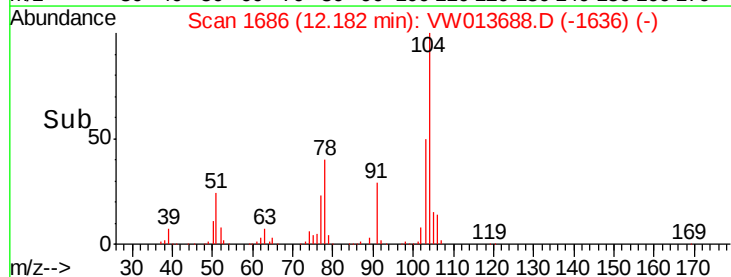
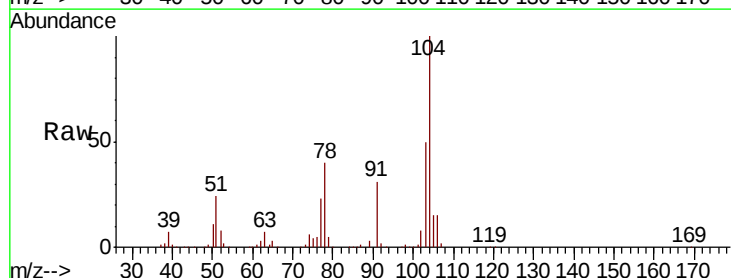
Instrument :
MSVOA_W
ClientSampleId :

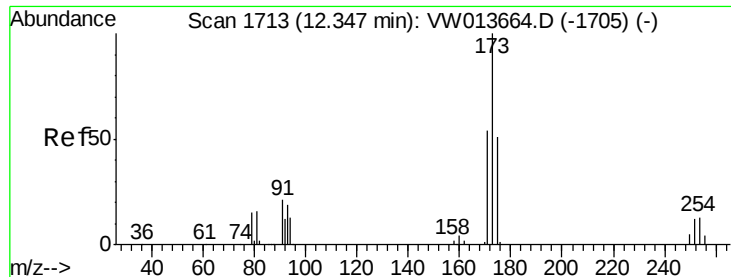
Tot Ion:106 Resp: 81248
Ion Ratio Lower Upper
106 100
91 207.3 104.9 314.7



#70
Styrene
Concen: 20.084 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion:104 Resp: 141761
Ion Ratio Lower Upper
104 100
78 47.1 37.1 55.7
103 54.0 43.6 65.4





#71

Bromoform

Concen: 23.853 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampled :

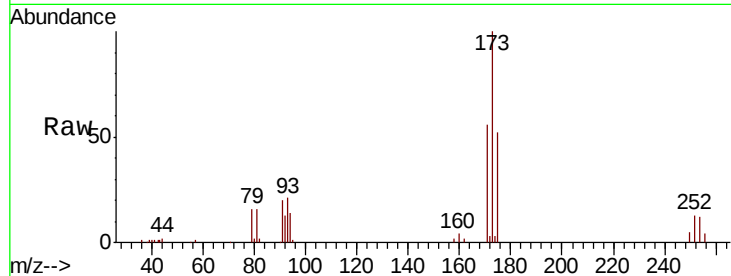
Tot Ion:173 Resp: 28027

Ion Ratio Lower Upper

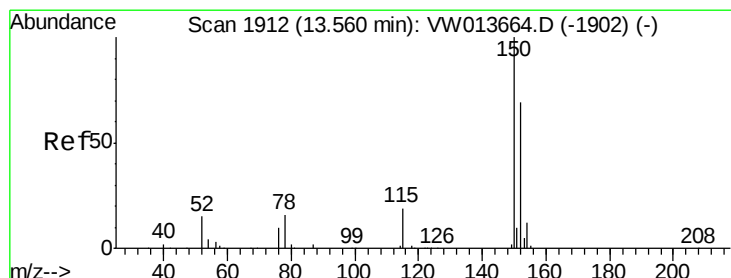
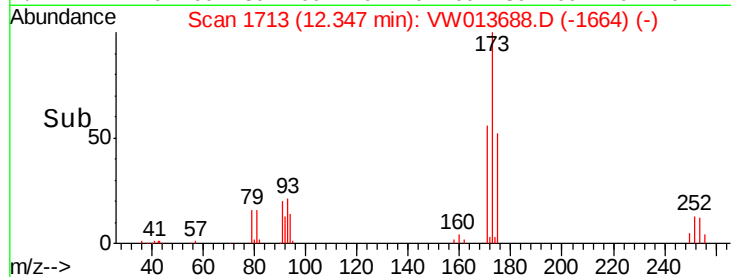
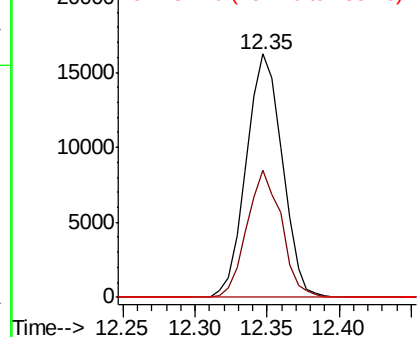
173 100

175 50.0 25.2 75.6

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

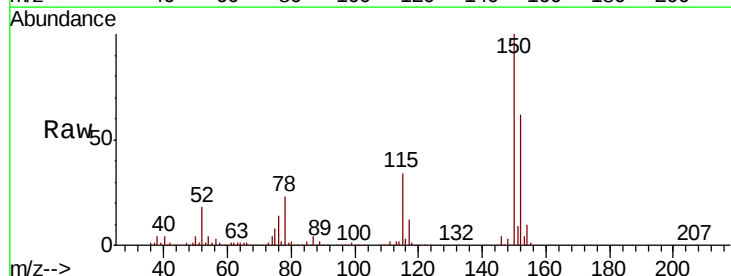
Tgt Ion:152 Resp: 158792

Ion Ratio Lower Upper

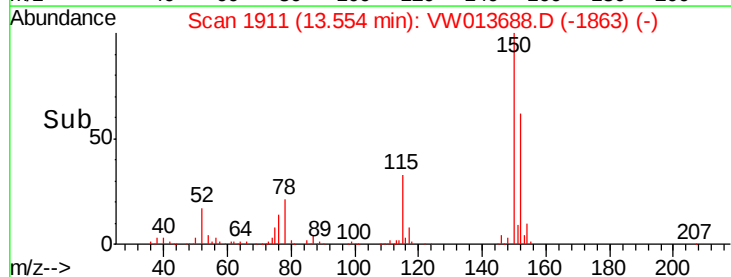
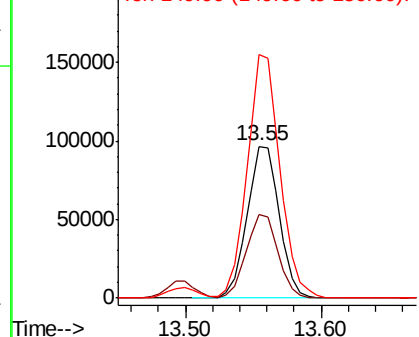
152 100

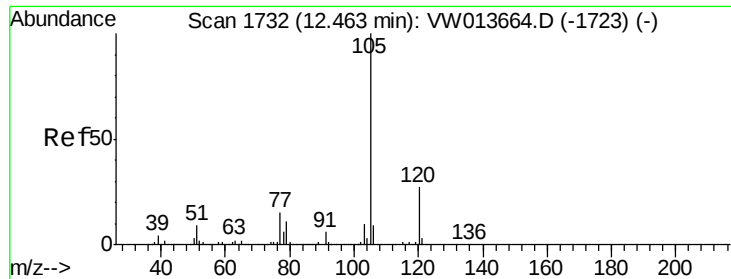
115 54.6 27.4 82.2

150 163.7 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

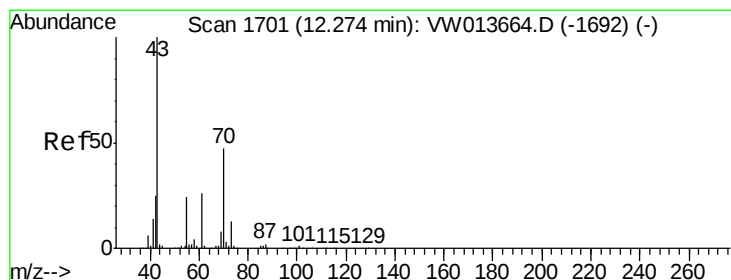
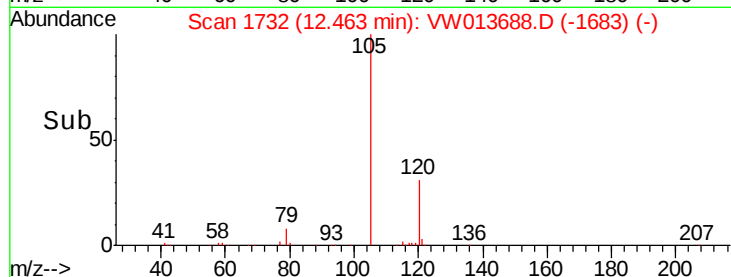
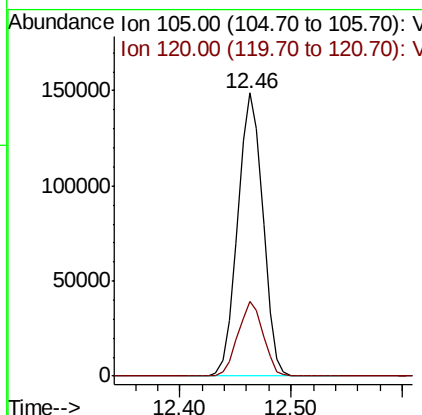
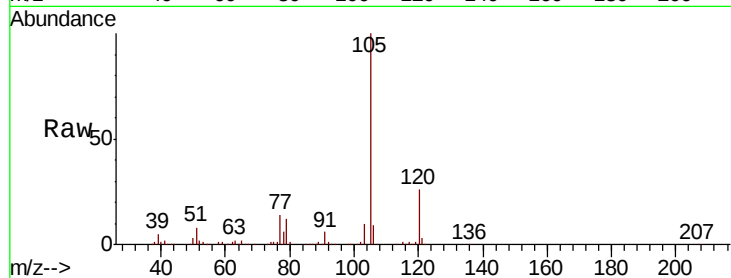




#73
Isopropylbenzene
Concen: 20.471 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

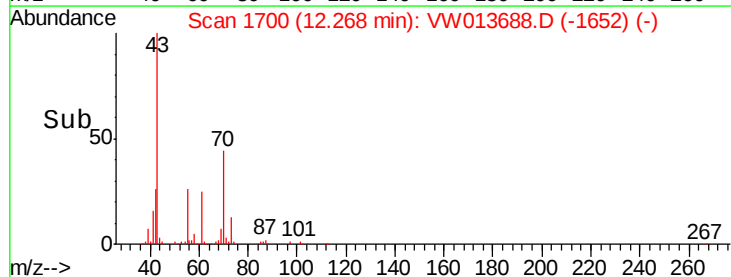
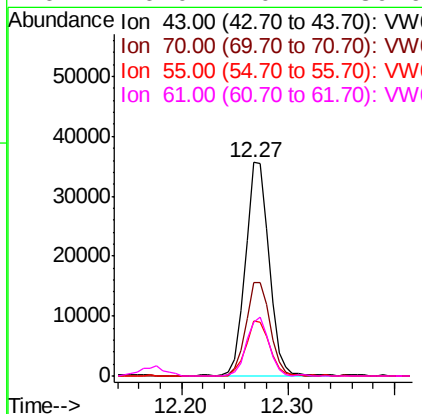
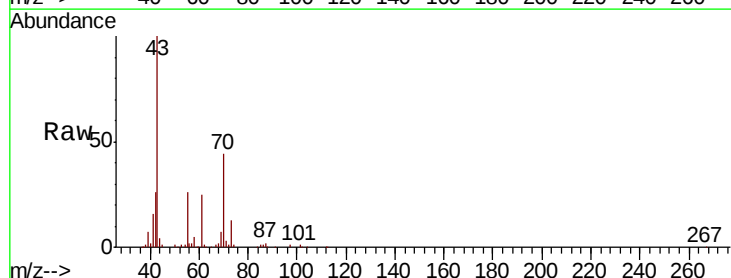
Instrument :
MSVOA_W
ClientSampleId :

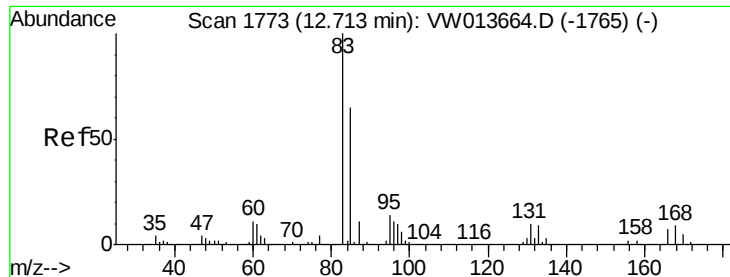
Tot Ion:105 Resp: 233437
Ion Ratio Lower Upper
105 100
120 26.3 13.5 40.4



#74
N-ethyl acetate
Concen: 25.334 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 43 Resp: 55884
Ion Ratio Lower Upper
43 100
70 44.6 36.6 55.0
55 26.4 20.3 30.5
61 26.0 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.839 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

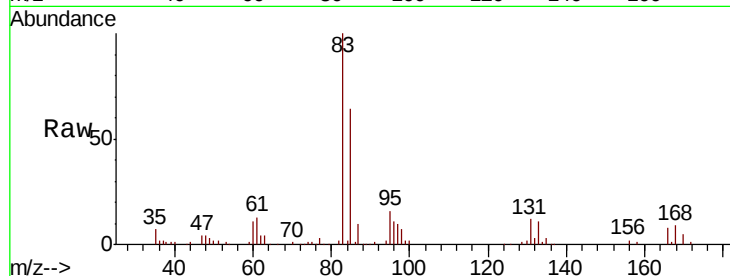
Tot Ion: 83 Resp: 44698

Ion Ratio Lower Upper

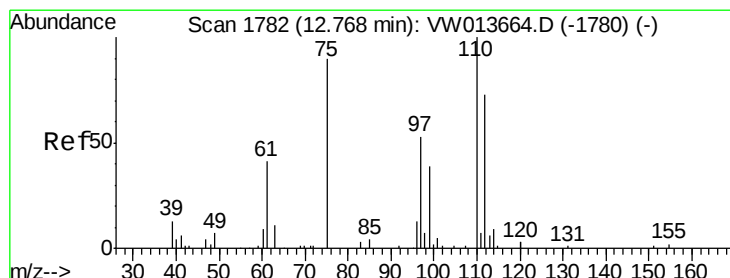
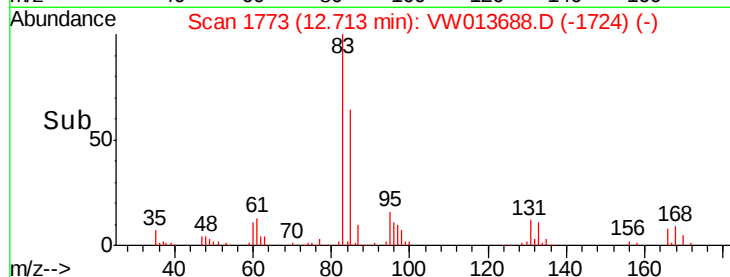
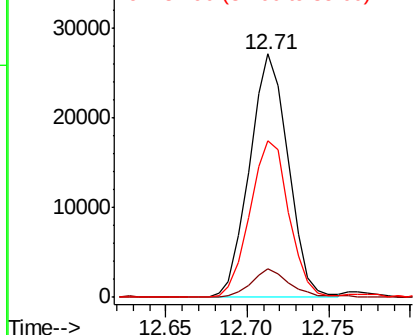
83 100

131 11.6 5.7 17.1

85 64.8 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 50.465 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013688.D

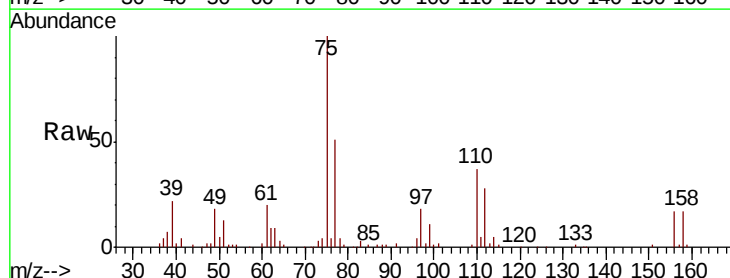
Acq: 24 Oct 2019 01:46

Tgt Ion: 75 Resp: 57548

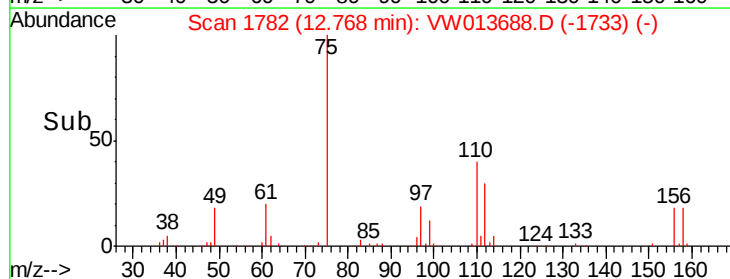
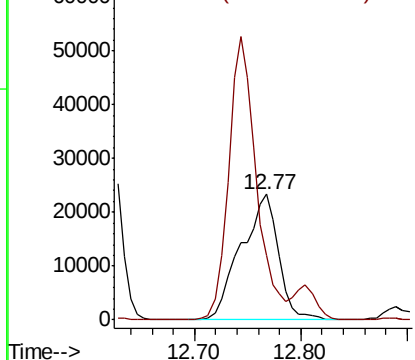
Ion Ratio Lower Upper

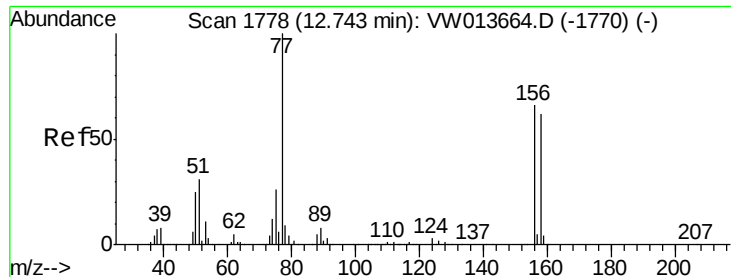
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.778 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

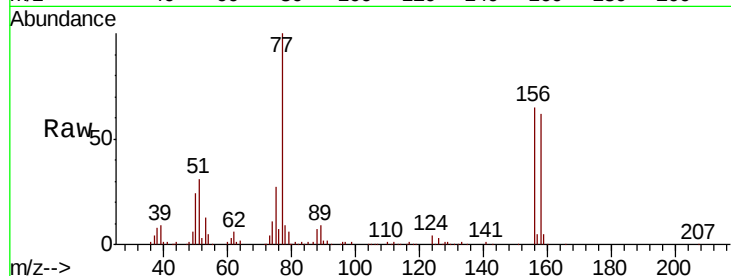
Tot Ion:156 Resp: 56601

Ion Ratio Lower Upper

156 100

77 169.2 82.9 248.7

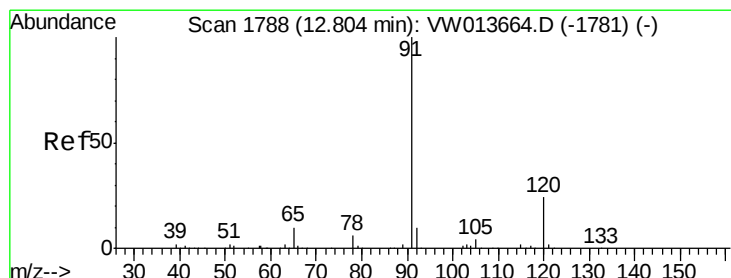
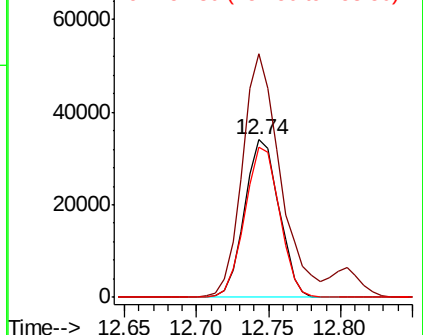
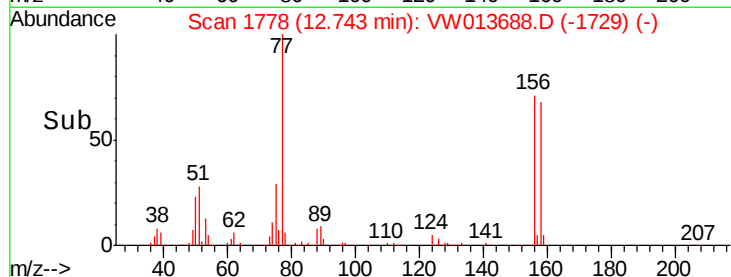
158 95.7 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.306 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013688.D

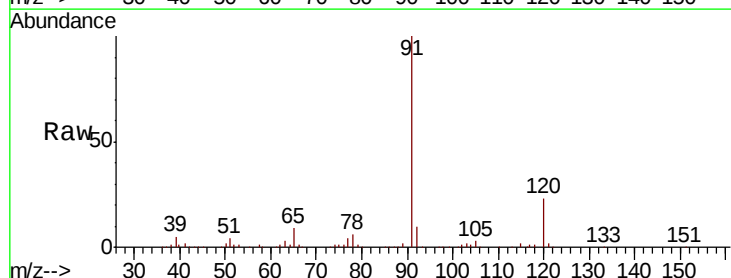
Acq: 24 Oct 2019 01:46

Tgt Ion: 91 Resp: 268014

Ion Ratio Lower Upper

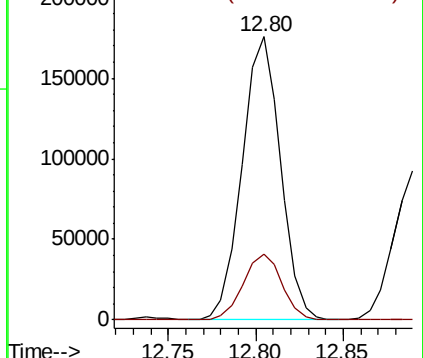
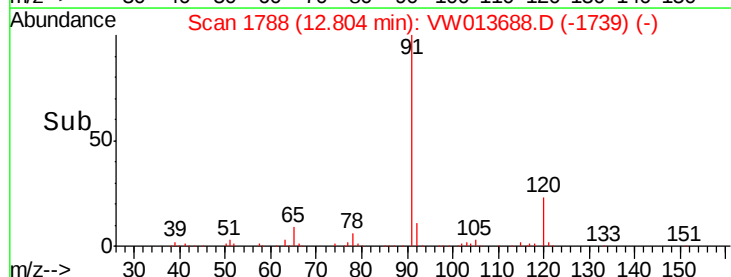
91 100

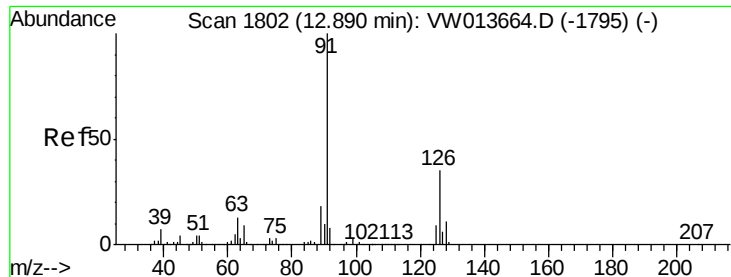
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

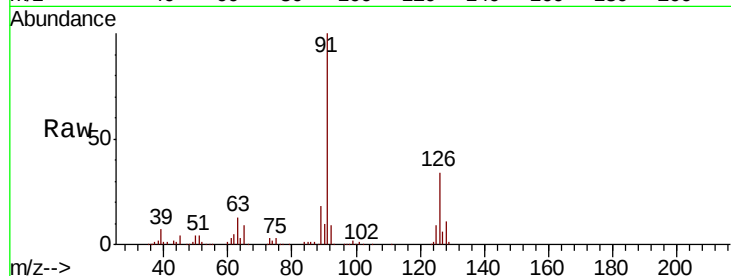




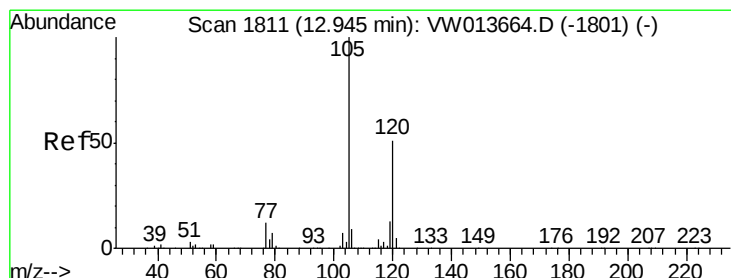
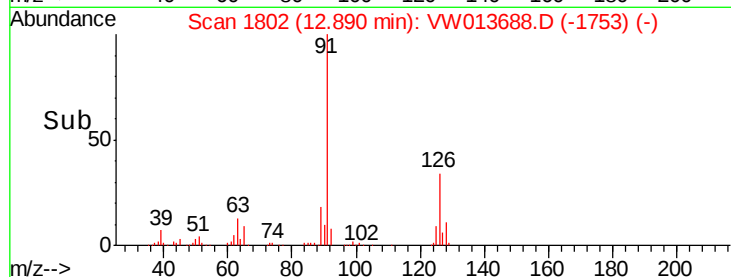
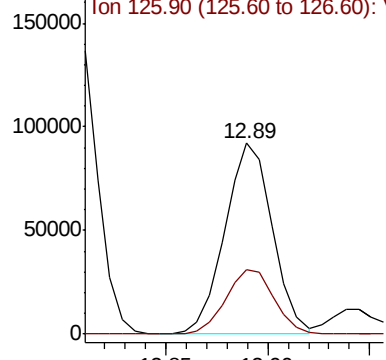
#79
 2-Chlorotoluene
 Concen: 20.029 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 91 Resp: 148558
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.4 52.2

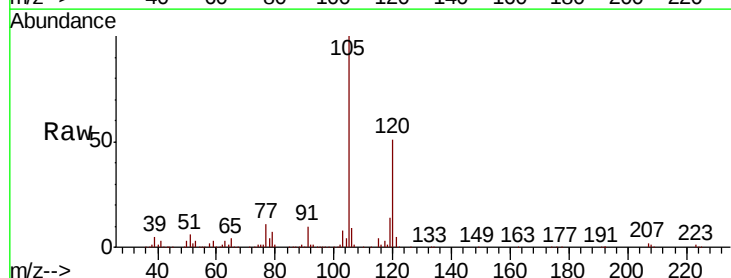


Abundance Ion 91.00 (90.70 to 91.70): VW
 Ion 125.90 (125.60 to 126.60): V

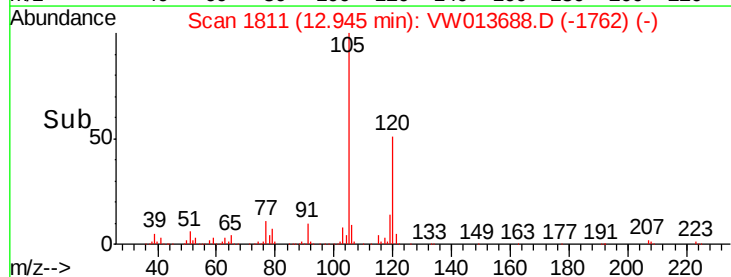
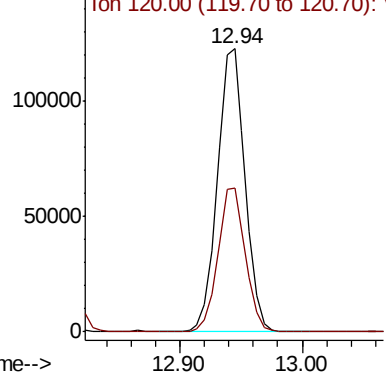


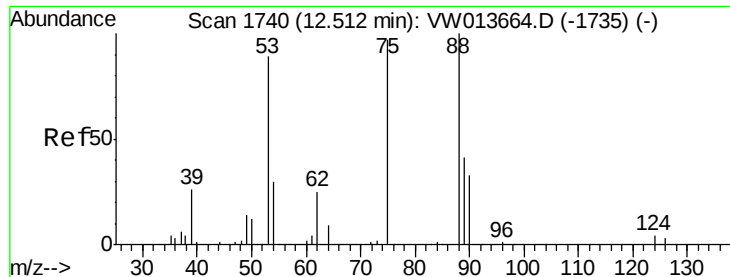
#80
 1,3,5-Trimethylbenzene
 Concen: 19.959 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Tgt Ion:105 Resp: 192135
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 23.049 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

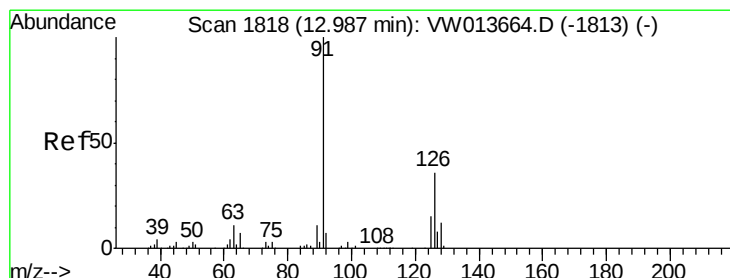
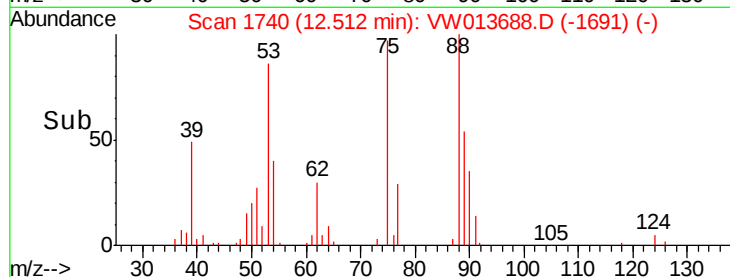
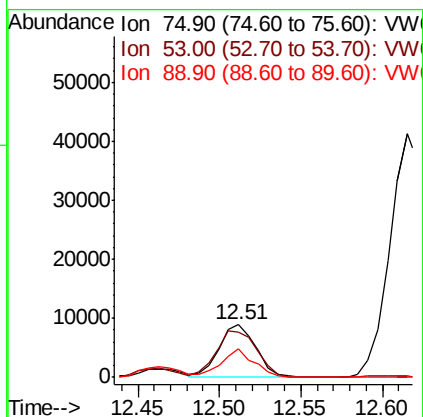
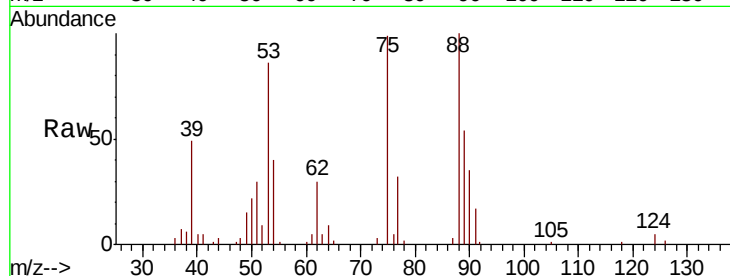
Tot Ion: 75 Resp: 13908

Ion Ratio Lower Upper

75 100

53 98.4 71.7 107.5

89 48.3 35.8 53.8



#82

4-Chlorotoluene

Concen: 19.874 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013688.D

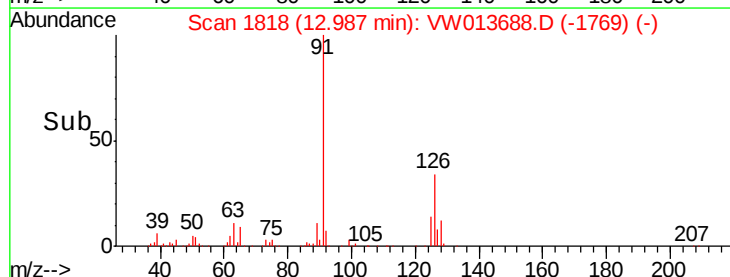
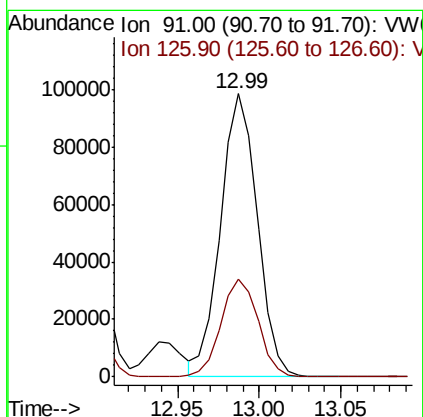
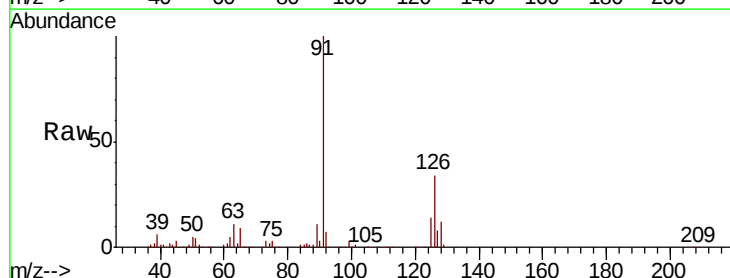
Acq: 24 Oct 2019 01:46

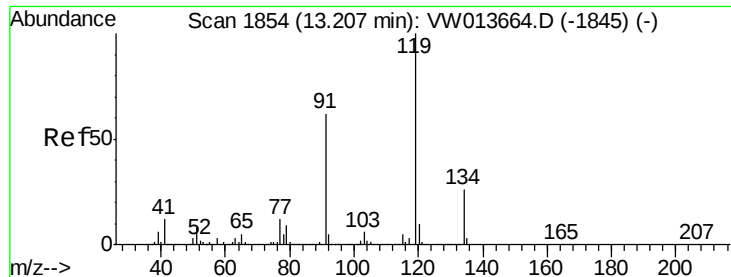
Tgt Ion: 91 Resp: 154761

Ion Ratio Lower Upper

91 100

126 34.7 17.2 51.5

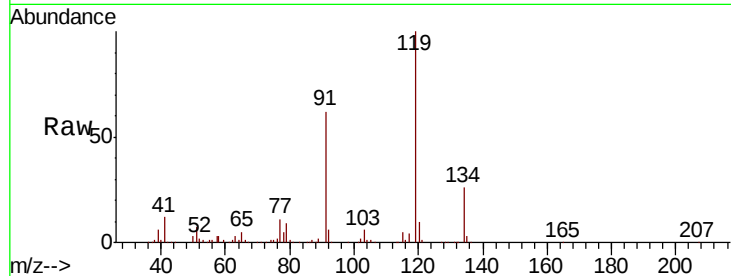




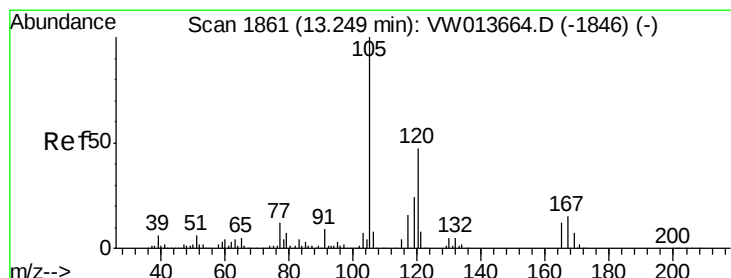
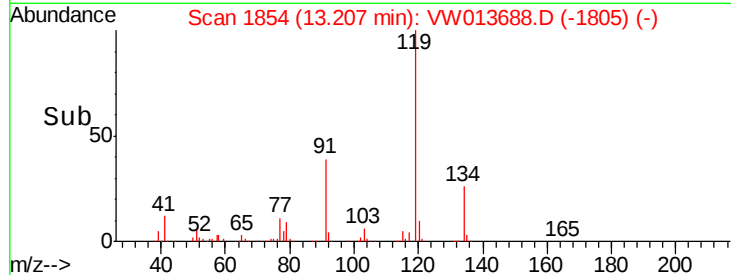
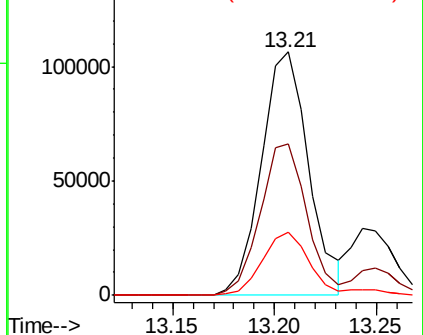
#83
tert-Butylbenzene
Concen: 20.231 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 172869
Ion Ratio Lower Upper
119 100
91 61.2 30.4 91.3
134 27.3 13.6 40.8

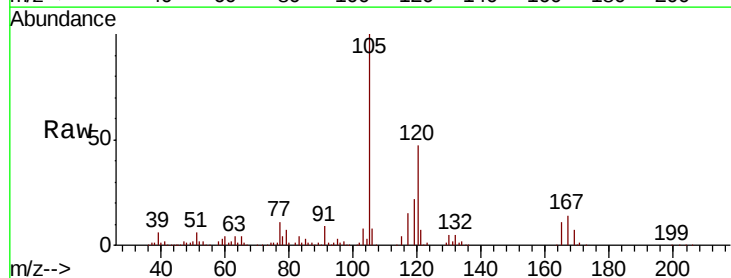


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

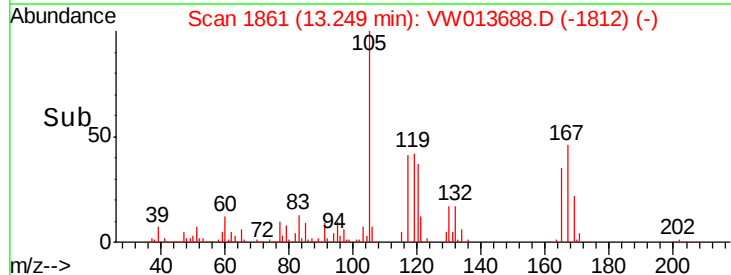
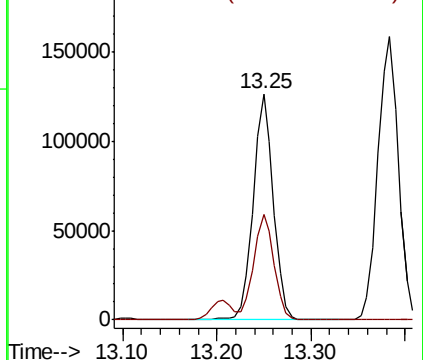


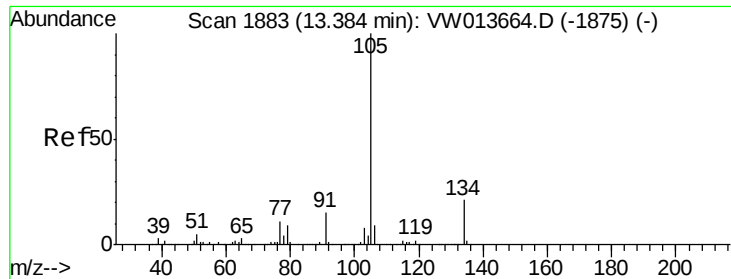
#84
1,2,4-Trimethylbenzene
Concen: 20.019 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion:105 Resp: 190093
Ion Ratio Lower Upper
105 100
120 47.6 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.487 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

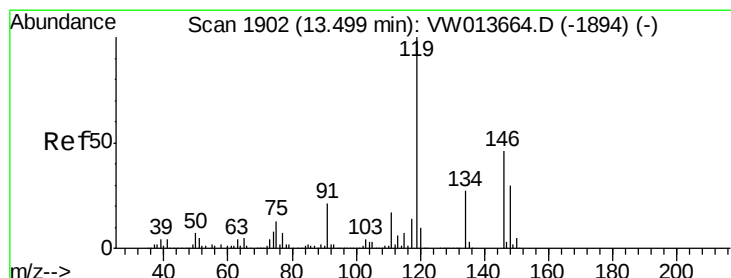
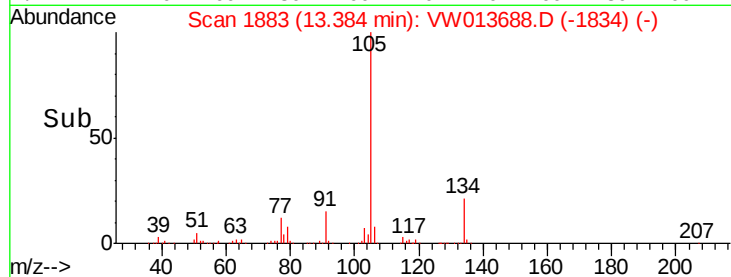
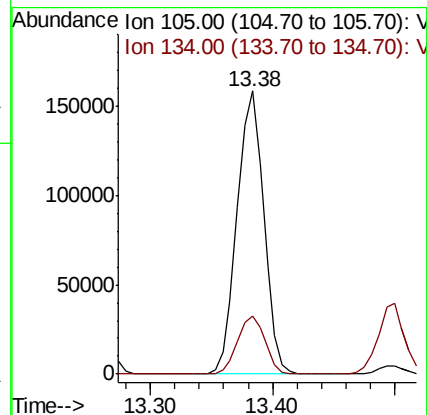
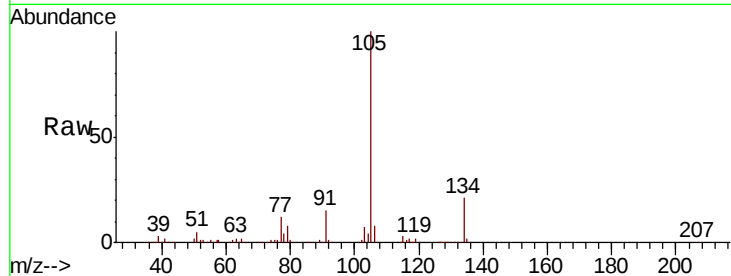
ClientSampleId :

Tot Ion:105 Resp: 239378

Ion Ratio Lower Upper

105 100

134 20.9 10.5 31.5



#86

p-Isopropyltoluene

Concen: 20.303 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

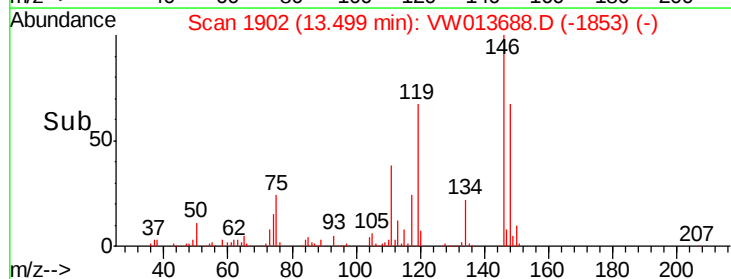
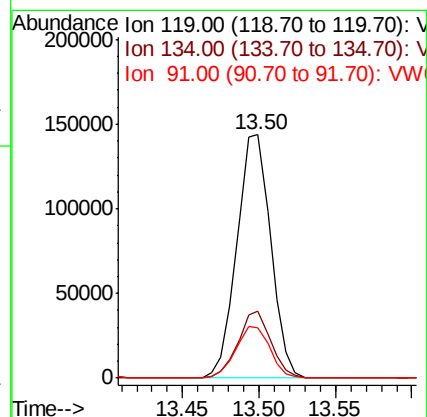
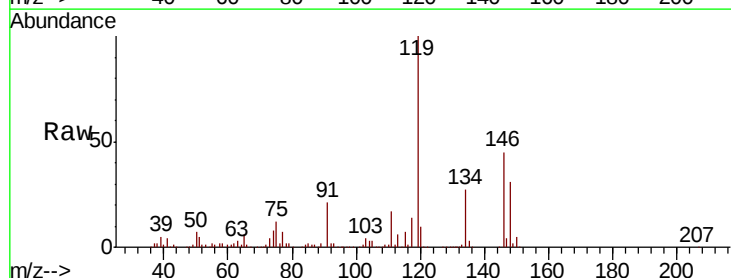
Tgt Ion:119 Resp: 220988

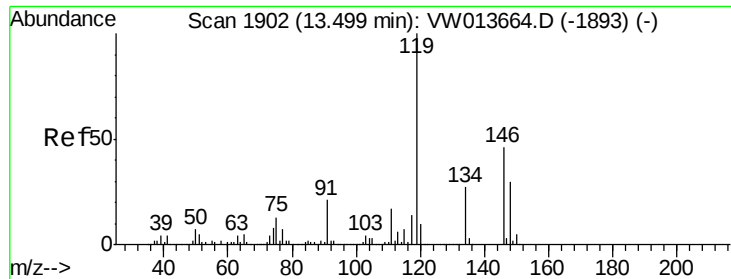
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 21.2 10.8 32.3

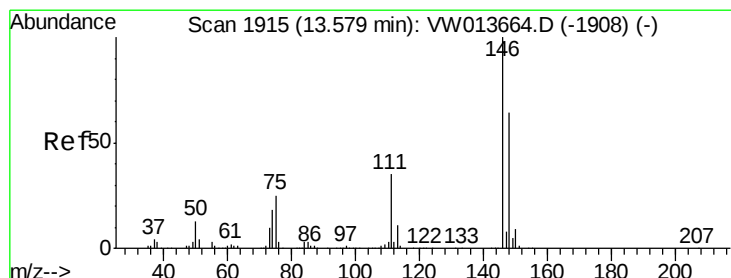
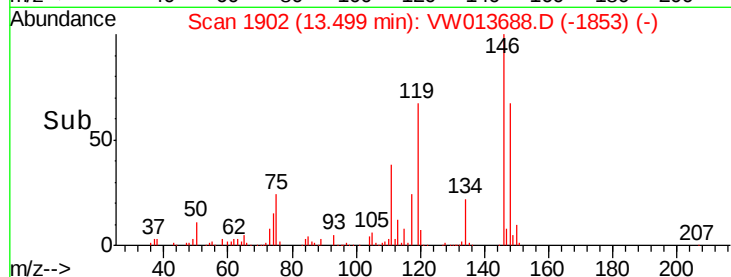
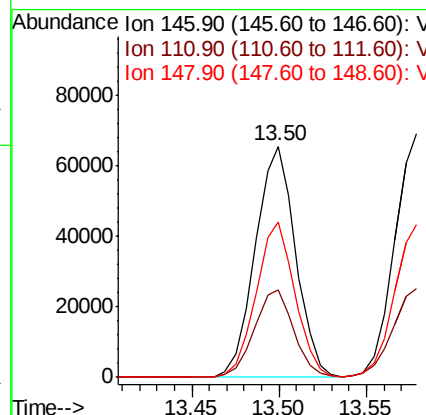
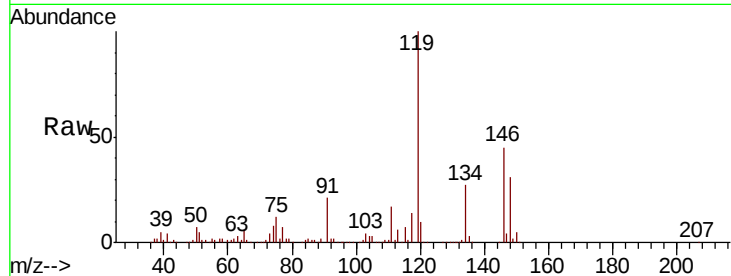




#87
 1,3-Dichlorobenzene
 Concen: 19.910 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

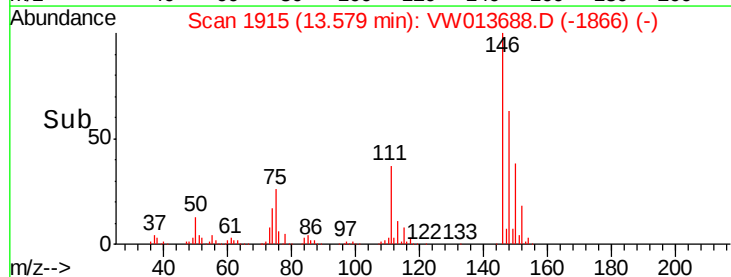
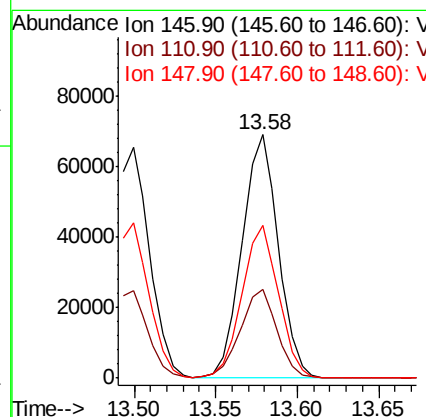
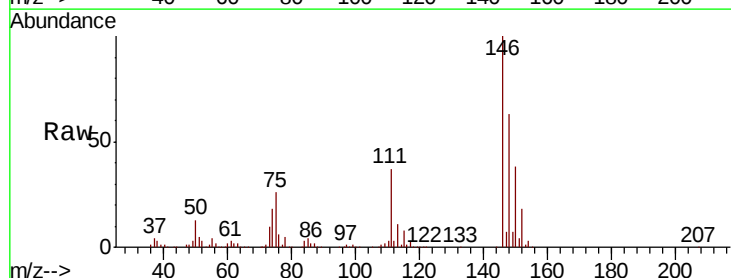
Instrument :
 MSVOA_W
 ClientSampled :

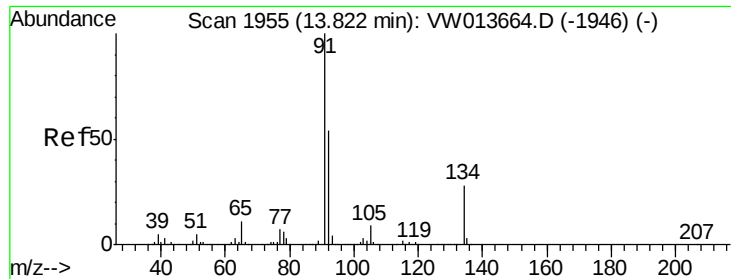
Tot Ion:146 Resp: 105085
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 56.0
 148 65.1 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.379 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Tgt Ion:146 Resp: 106859
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.1 54.3
 148 63.3 32.0 96.2

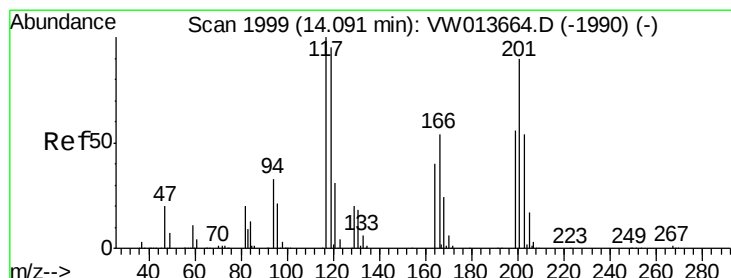
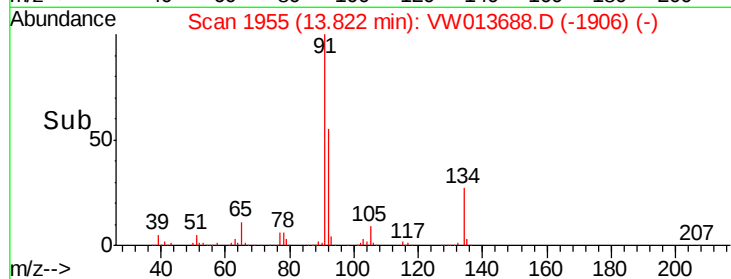
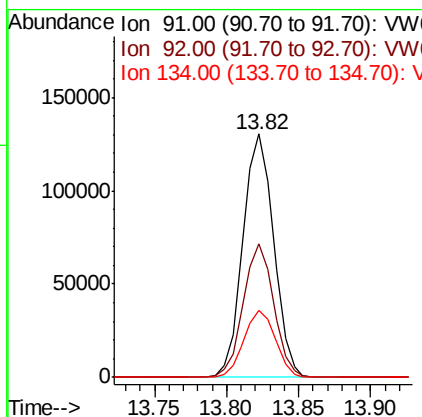
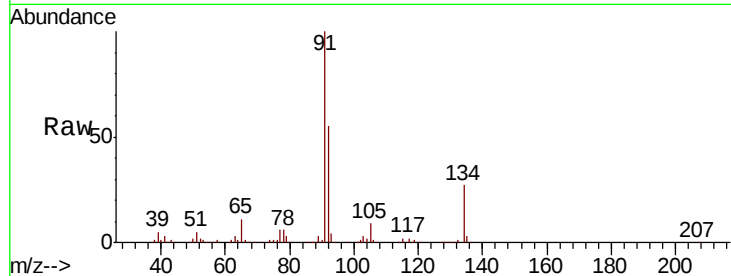




#89
n-Butylbenzene
Concen: 19.648 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

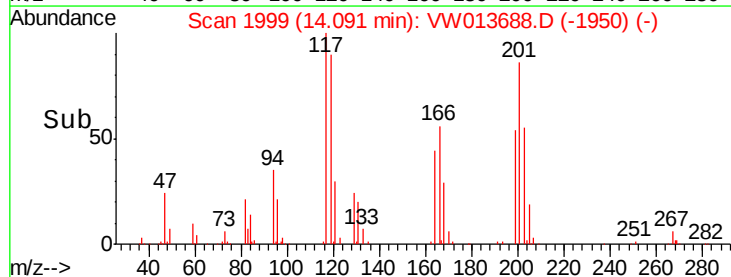
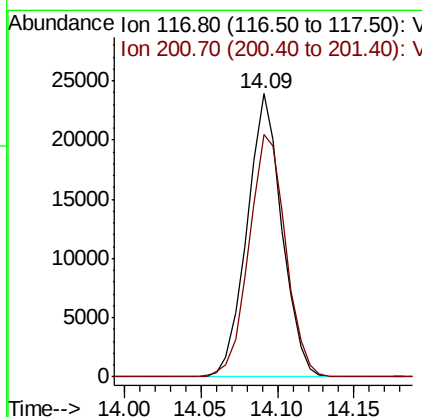
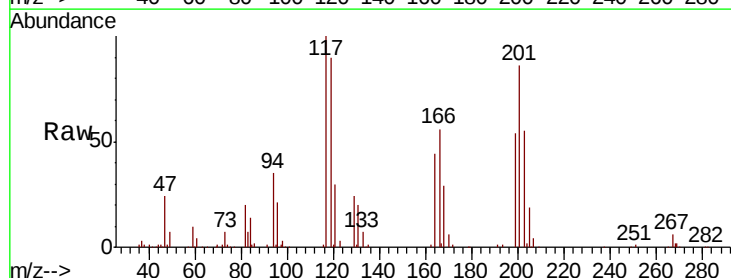
Instrument :
MSVOA_W
ClientSampleId :

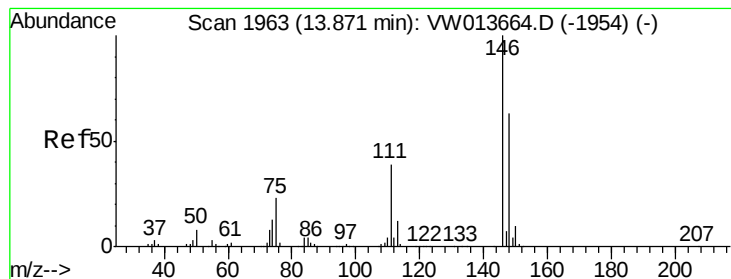
Tot Ion: 91 Resp: 193029
Ion Ratio Lower Upper
91 100
92 54.0 27.5 82.4
134 28.1 14.0 41.9



#90
Hexachloroethane
Concen: 20.000 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 117 Resp: 37838
Ion Ratio Lower Upper
117 100
201 90.0 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 20.616 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

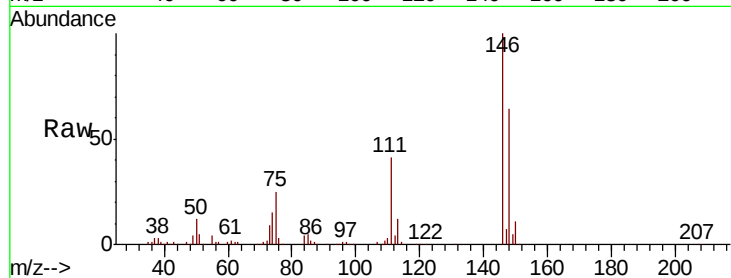
Tot Ion:146 Resp: 94346

Ion Ratio Lower Upper

146 100

111 40.6 19.9 59.6

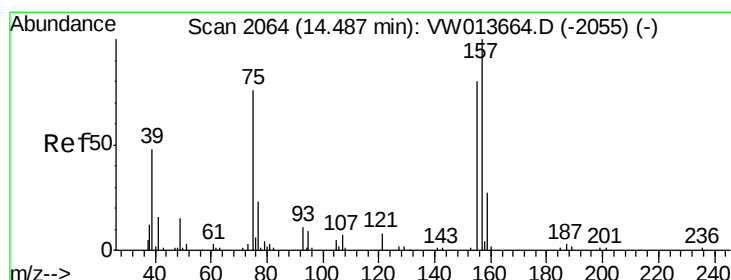
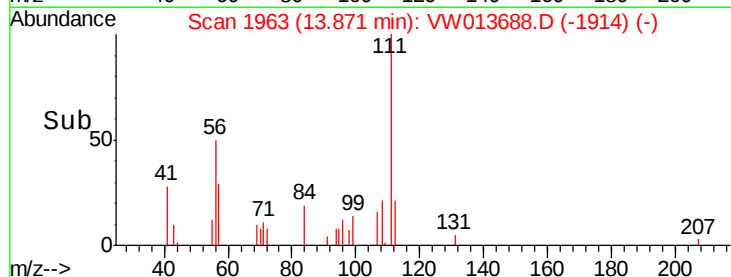
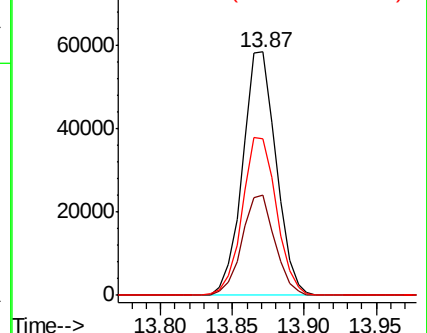
148 66.1 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 28.231 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

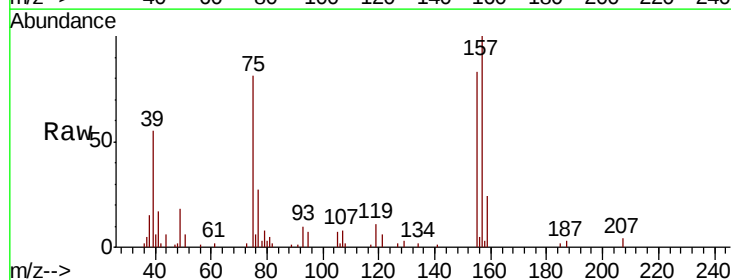
Tgt Ion: 75 Resp: 7682

Ion Ratio Lower Upper

75 100

155 99.2 51.9 155.7

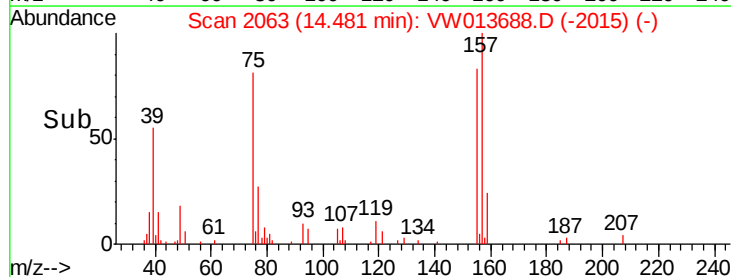
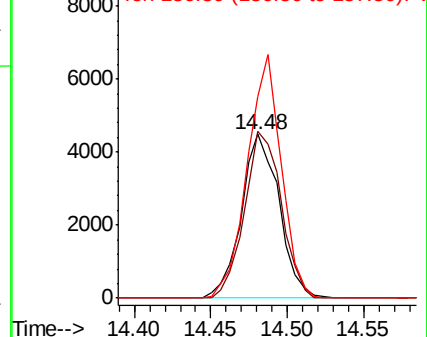
157 133.4 64.8 194.3

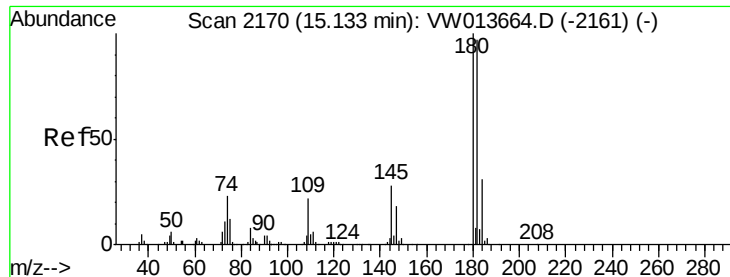


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

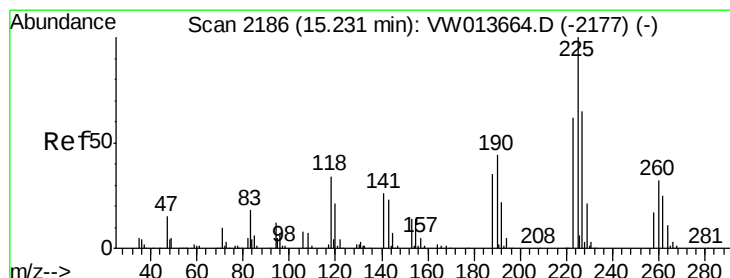
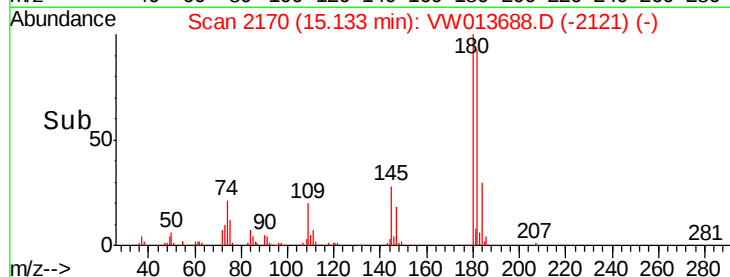
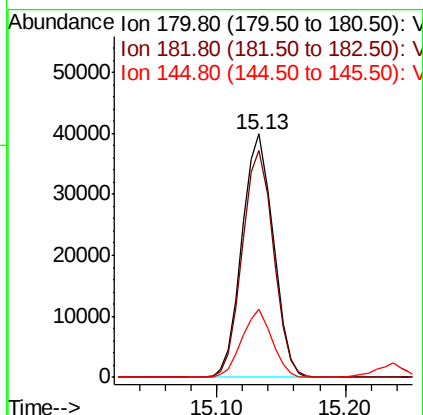
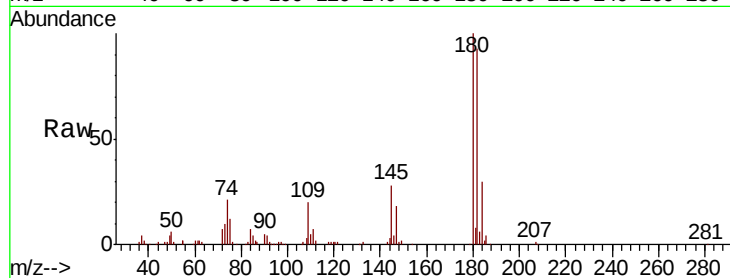




#93
 1,2,4-Trichlorobenzene
 Concen: 20.124 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

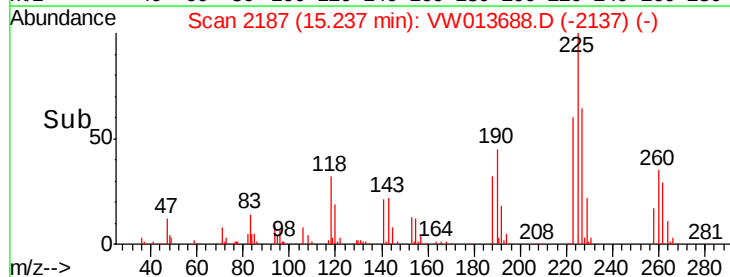
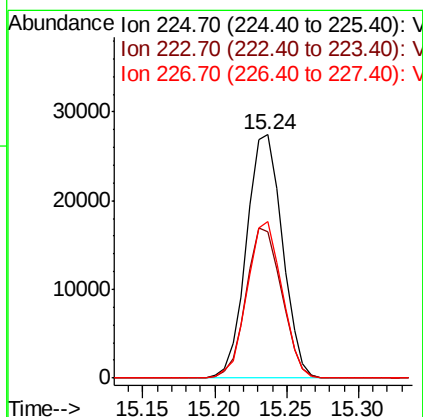
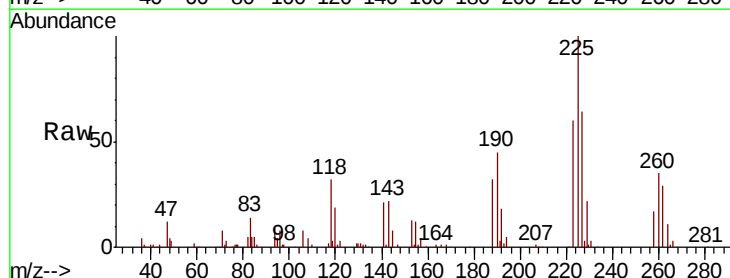
Instrument :
 MSVOA_W
 ClientSampled :

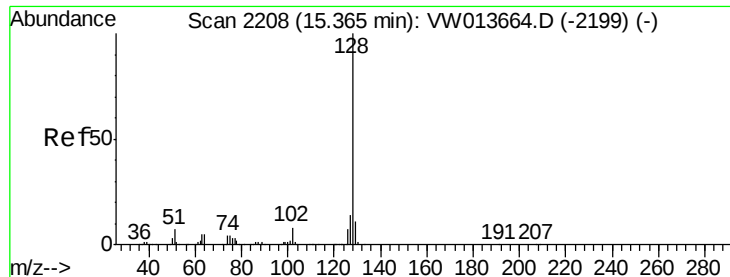
Tot Ion:180 Resp: 67023
 Ion Ratio Lower Upper
 180 100
 182 93.0 47.4 142.2
 145 26.8 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 21.001 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Tgt Ion:225 Resp: 47219
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.9 95.9
 227 62.4 32.5 97.4

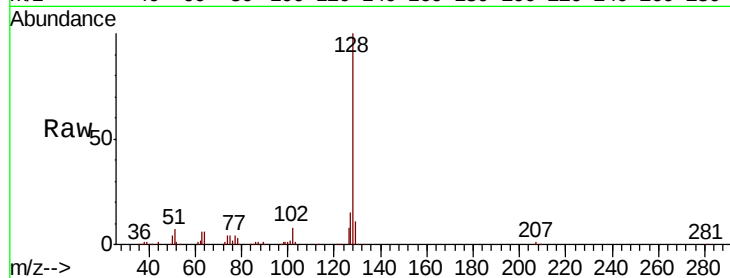




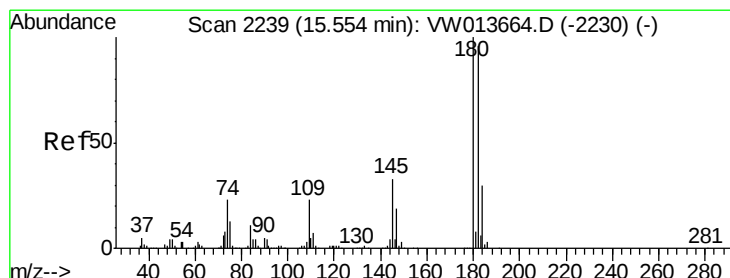
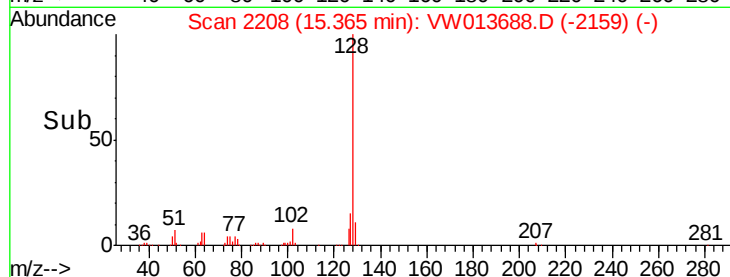
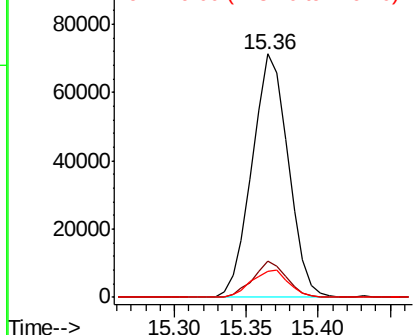
#95
Naphthalene
Concen: 23.789 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 124223
Ion Ratio Lower Upper
128 100
127 13.8 10.6 15.8
129 11.3 8.7 13.1

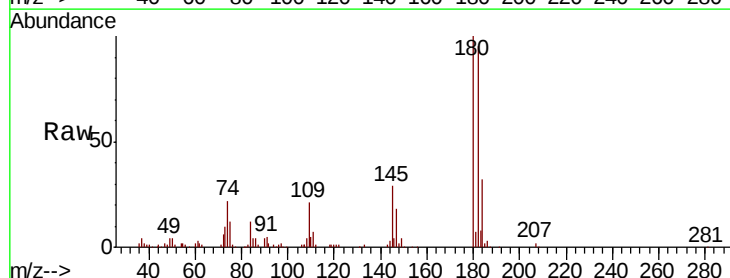


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.782 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion:180 Resp: 59640
Ion Ratio Lower Upper
180 100
182 93.9 47.4 142.3
145 29.3 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

