

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013689.D
 Acq On : 24 Oct 2019 02:13
 Operator : SY/VA
 Sample : VW1023SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 07:31:12 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	262956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	376354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	171556	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	112418	56.99	ug/l	0.00
Spiked Amount			Recovery	=	113.98%	
35) Dibromofluoromethane	7.88	113	111416	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
50) Toluene-d8	10.32	98	448753	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.62	95	156433	54.22	ug/l	0.00
Spiked Amount			Recovery	=	108.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	31471	22.717	ug/l	100
3) Chloromethane	2.21	50	33090	22.226	ug/l	99
4) Vinyl Chloride	2.36	62	49277	21.916	ug/l	99
5) Bromomethane	2.76	94	31907	21.577	ug/l	94
6) Chloroethane	2.92	64	29204	21.466	ug/l	98
7) Trichlorofluoromethane	3.26	101	24339	17.331	ug/l	98
8) Diethyl Ether	3.68	74	26118	23.019	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	47476	20.795	ug/l	98
10) Methyl Iodide	4.27	142	79905	21.478	ug/l	100
11) Tert butyl alcohol	5.17	59	18037	153.168	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	48811	20.697	ug/l	97
13) Acrolein	3.88	56	13151	97.478	ug/l	94
14) Allyl chloride	4.67	41	73668	20.315	ug/l	98
15) Acrylonitrile	5.37	53	63346	137.301	ug/l	97
16) Acetone	4.12	43	46966	112.291	ug/l	100
17) Carbon Disulfide	4.39	76	138084	20.388	ug/l	99
18) Methyl Acetate	4.67	43	37812	32.979	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	64328	22.731	ug/l	98
20) Methylene Chloride	4.92	84	58234	22.715	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	52708	20.765	ug/l	99
22) Diisopropyl ether	6.31	45	145246	21.958	ug/l	97
23) Vinyl Acetate	6.25	43	431529	112.432	ug/l	99
24) 1,1-Dichloroethane	6.21	63	88804	21.198	ug/l	97
25) 2-Butanone	7.17	43	81278	135.166	ug/l	92
26) 2,2-Dichloropropane	7.16	77	46631	19.249	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	57955	21.497	ug/l	99
28) Bromochloromethane	7.51	49	24213	17.128	ug/l #	95
29) Tetrahydrofuran	7.53	42	53501	143.712	ug/l	99
30) Chloroform	7.67	83	87543	21.139	ug/l	98
31) Cyclohexane	7.96	56	88268	20.134	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	68617	21.114	ug/l	98
36) 1,1-Dichloropropene	8.08	75	71222	20.320	ug/l	99
37) Ethyl Acetate	7.25	43	34019	25.355	ug/l	97
38) Carbon Tetrachloride	8.07	117	63332	20.065	ug/l	98

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 07:31:12 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)
39) Methylcyclohexane	9.33	83	89895	19.860	ug/l	100
40) Benzene	8.32	78	207041	20.873	ug/l	98
41) Methacrylonitrile	7.48	41	21052	25.161	ug/l	96
42) 1,2-Dichloroethane	8.40	62	56691	22.680	ug/l	98
43) Isopropyl Acetate	8.42	43	64166	24.984	ug/l	98
44) Trichloroethene	9.09	130	58464	20.576	ug/l	92
45) 1,2-Dichloropropane	9.37	63	51981	21.940	ug/l	99
46) Dibromomethane	9.46	93	26542	23.081	ug/l	98
47) Bromodichloromethane	9.64	83	63956	21.495	ug/l	96
48) Methyl methacrylate	9.43	41	30189	23.704	ug/l	91
49) 1,4-Dioxane	9.44	88	10214	601.081	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	168915	132.358	ug/l	99
52) Toluene	10.38	92	131620	20.571	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	64980	21.573	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	78130	21.024	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	39274	22.916	ug/l	97
56) Ethyl methacrylate	10.65	69	51994	24.249	ug/l	99
57) 1,3-Dichloropropane	10.93	76	66623	22.653	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	117205	118.769	ug/l	99
59) 2-Hexanone	10.97	43	117876	133.980	ug/l	100
60) Dibromochloromethane	11.13	129	44788	22.011	ug/l	98
61) 1,2-Dibromoethane	11.23	107	37889	23.369	ug/l	100
64) Tetrachloroethene	10.86	164	54165	21.366	ug/l	99
65) Chlorobenzene	11.66	112	139996	20.532	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	48855	20.531	ug/l	100
67) Ethyl Benzene	11.73	91	244343	19.874	ug/l	95
68) m/p-Xylenes	11.84	106	190356	40.074	ug/l	98
69) o-Xylene	12.16	106	88527	20.276	ug/l	98
70) Styrene	12.18	104	155268	20.698	ug/l	100
71) Bromoform	12.35	173	28585	22.891	ug/l #	96
73) Isopropylbenzene	12.46	105	243758	19.785	ug/l	100
74) N-amyl acetate	12.27	43	57103	23.961	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46907	24.127	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	57941	47.030	ug/l #	100
77) Bromobenzene	12.74	156	60835	20.670	ug/l	97
78) n-propylbenzene	12.80	91	286114	20.065	ug/l	100
79) 2-Chlorotoluene	12.89	91	161941	20.209	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	206843	19.889	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	14291	21.922	ug/l	92
82) 4-Chlorotoluene	12.99	91	170656	20.285	ug/l	97
83) tert-Butylbenzene	13.21	119	183592	19.887	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	208782	20.351	ug/l	100
85) sec-Butylbenzene	13.38	105	251341	19.910	ug/l	99
86) p-Isopropyltoluene	13.50	119	232496	19.771	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	115041	20.175	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	114781	20.261	ug/l	99
89) n-Butylbenzene	13.82	91	204370	19.254	ug/l	99
90) Hexachloroethane	14.09	117	40134	19.635	ug/l	99
91) 1,2-Dichlorobenzene	13.86	146	103591	20.952	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7354	25.015	ug/l	94

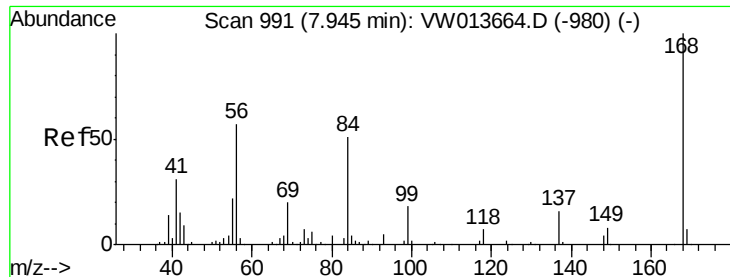
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102319\
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Quant Time: Oct 24 07:31:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	71575	19.892	ug/l	98
94) Hexachlorobutadiene	15.23	225	47443	19.531	ug/l	99
95) Naphthalene	15.36	128	133139	23.599	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	65704	21.191	ug/l	100

(#) = 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: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

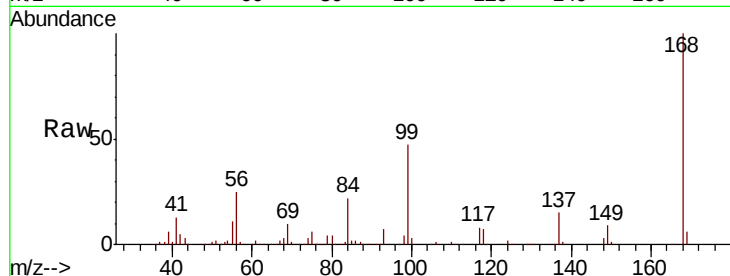
ClientSampleId :

Tot Ion:168 Resp: 262956

Ion Ratio Lower Upper

168 100

99 47.0 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

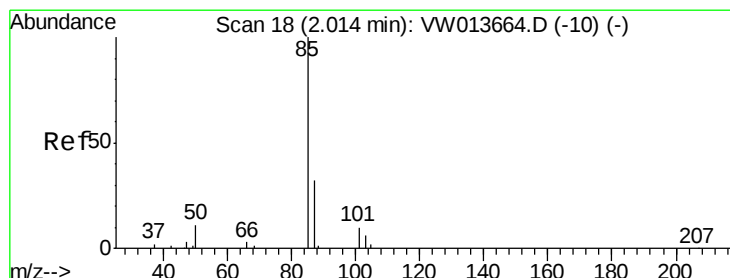
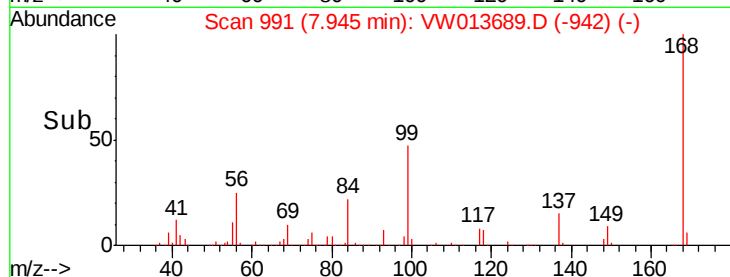
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 22.717 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013689.D

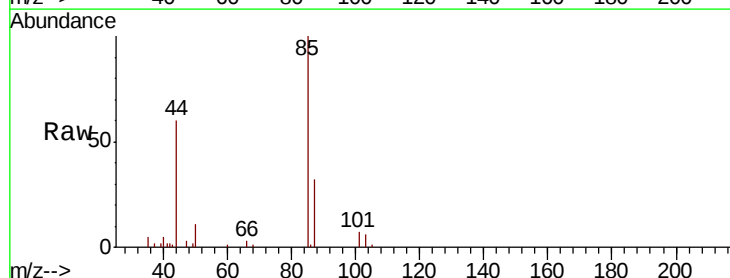
Acq: 24 Oct 2019 02:13

Tgt Ion: 85 Resp: 31471

Ion Ratio Lower Upper

85 100

87 32.0 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

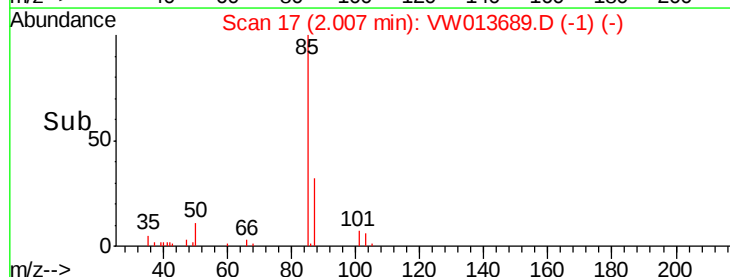
6000

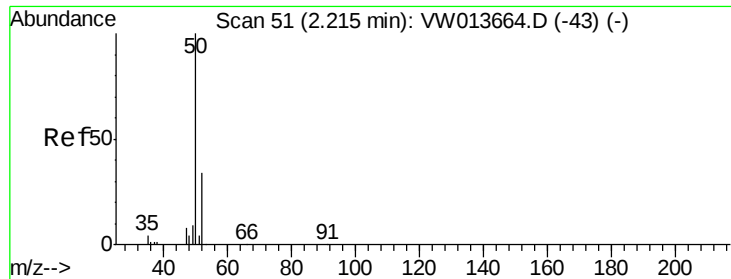
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 22.226 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

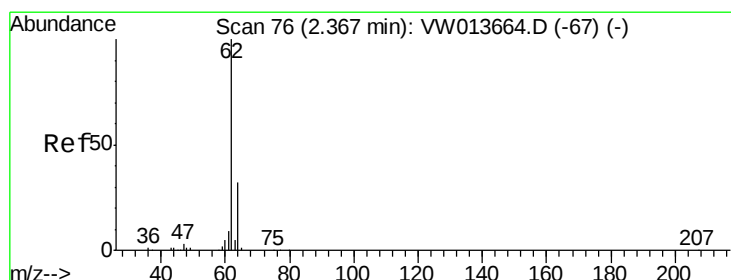
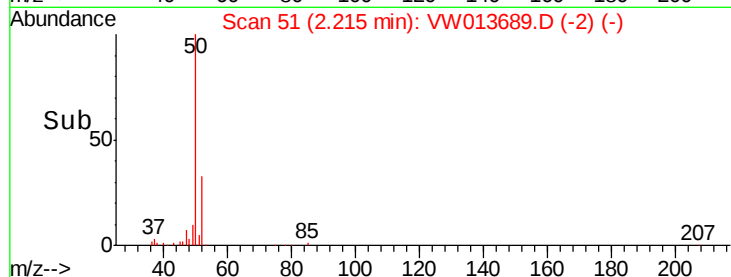
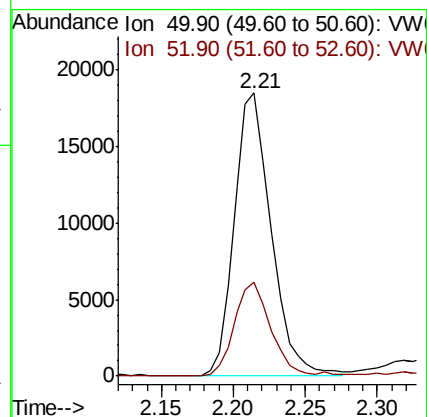
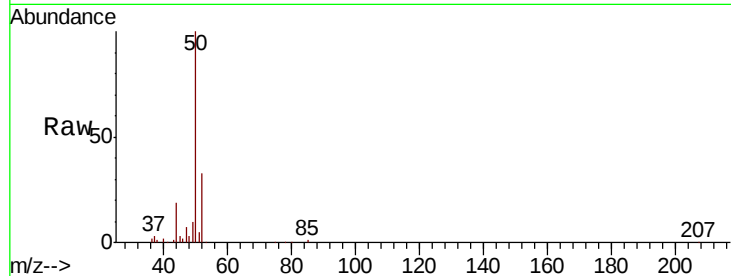
ClientSampleId :

Tot Ion: 50 Resp: 33090

Ion Ratio Lower Upper

50 100

52 33.2 26.9 40.3



#4

Vinyl Chloride

Concen: 21.916 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013689.D

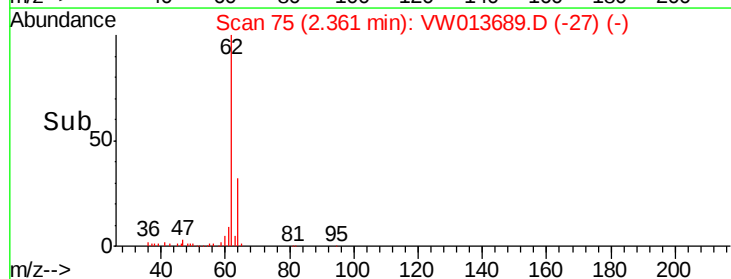
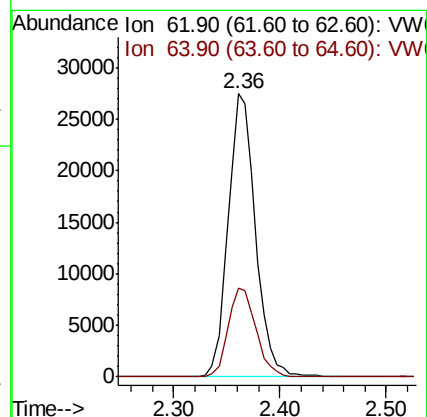
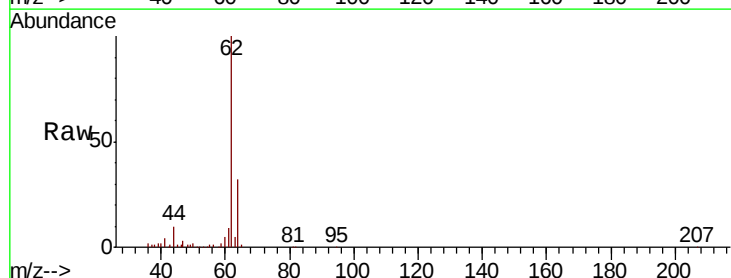
Acq: 24 Oct 2019 02:13

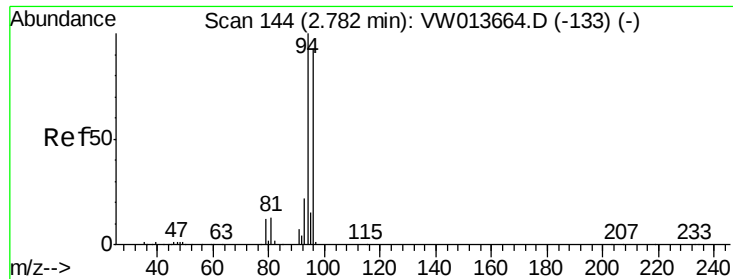
Tgt Ion: 62 Resp: 49277

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3





#5

Bromomethane

Concen: 21.577 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.02 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

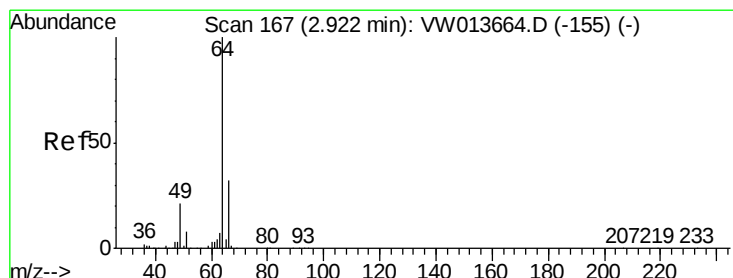
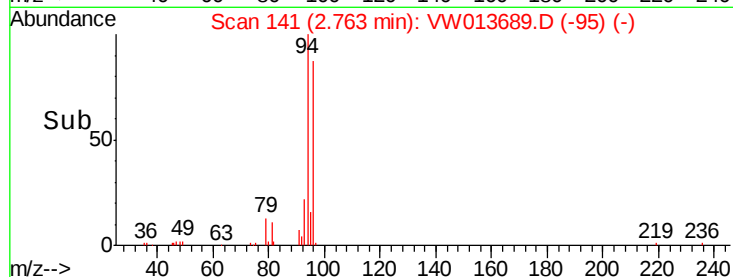
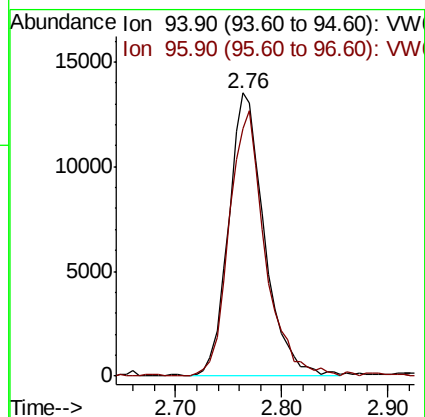
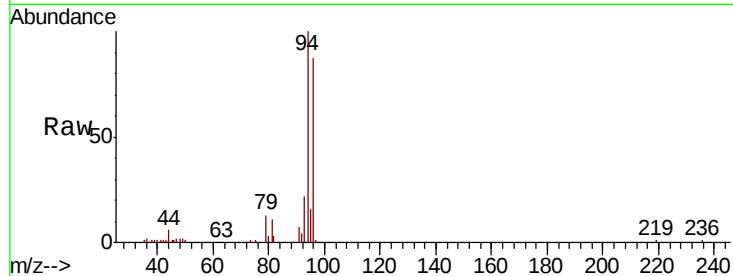
ClientSampleId :

Tot Ion: 94 Resp: 31907

Ion Ratio Lower Upper

94 100

96 87.4 74.6 112.0



#6

Chloroethane

Concen: 21.466 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013689.D

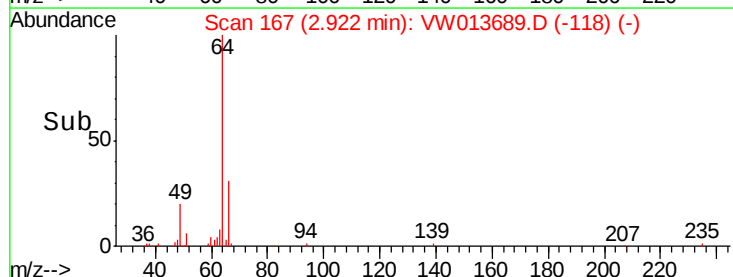
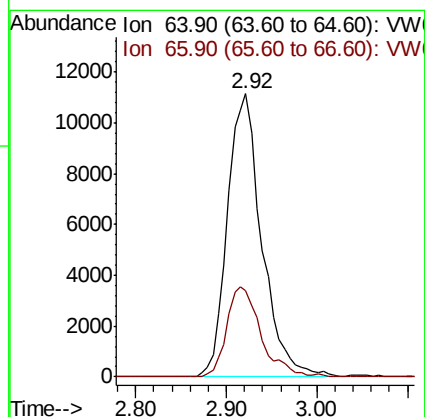
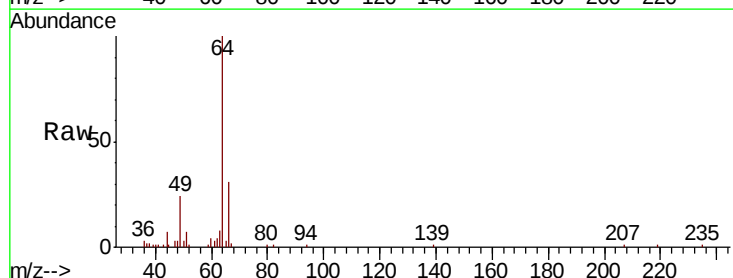
Acq: 24 Oct 2019 02:13

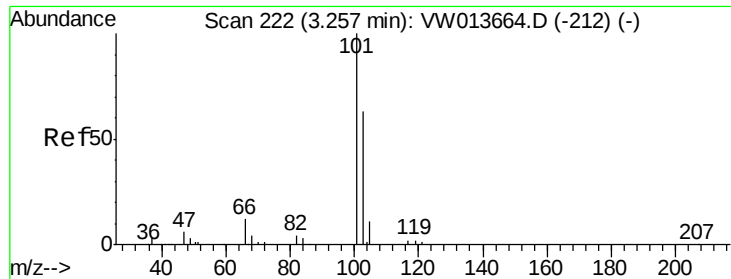
Tgt Ion: 64 Resp: 29204

Ion Ratio Lower Upper

64 100

66 30.5 25.4 38.0



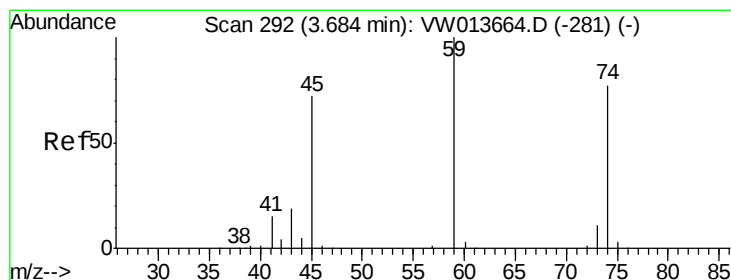
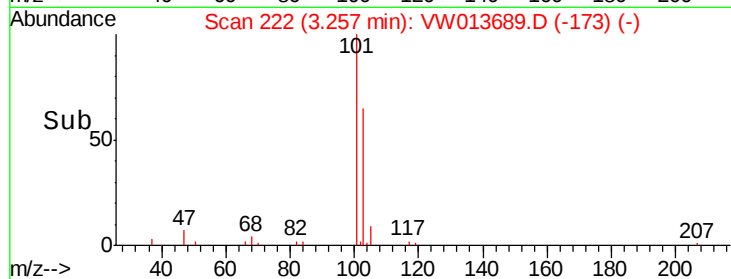
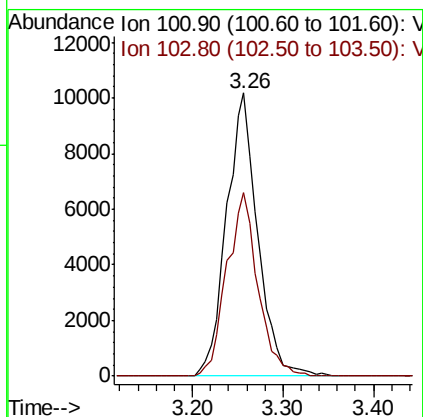
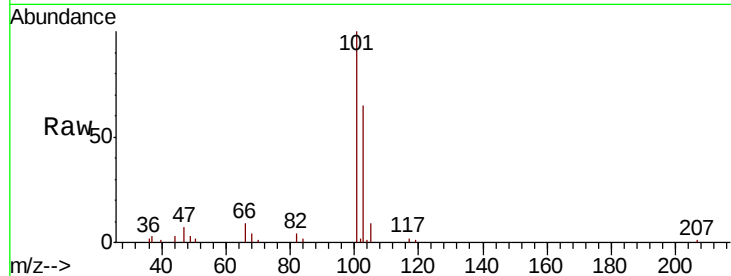


#7

Trichlorofluoromethane
 Concen: 17.331 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Instrument :
 MSVOA_W
 ClientSampleId :

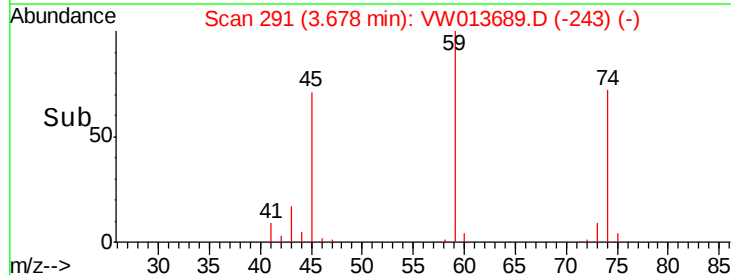
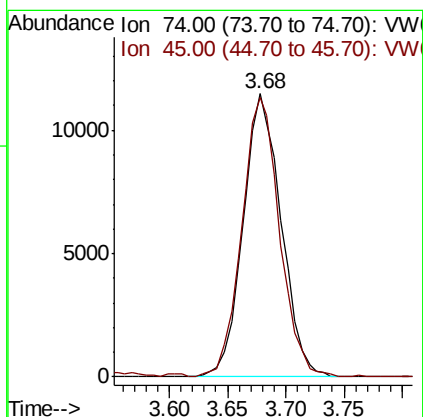
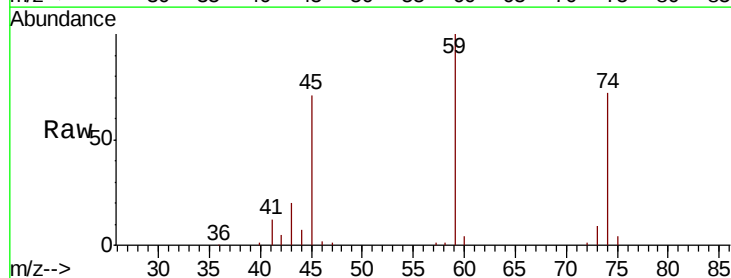
Tot Ion:101 Resp: 24339
 Ion Ratio Lower Upper
 101 100
 103 64.7 50.6 76.0

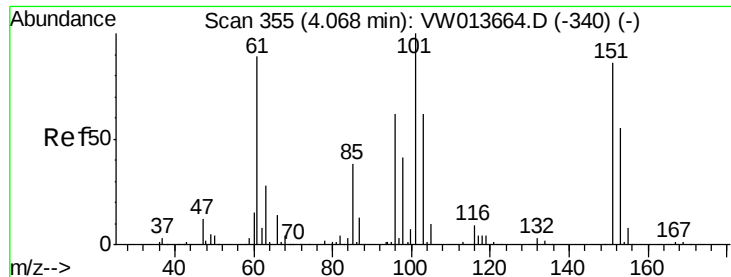


#8

Diethyl Ether
 Concen: 23.019 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Tgt Ion: 74 Resp: 26118
 Ion Ratio Lower Upper
 74 100
 45 98.1 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.795 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

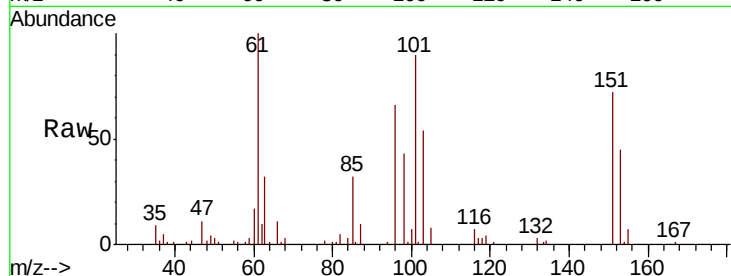
Tot Ion:101 Resp: 47476

Ion Ratio Lower Upper

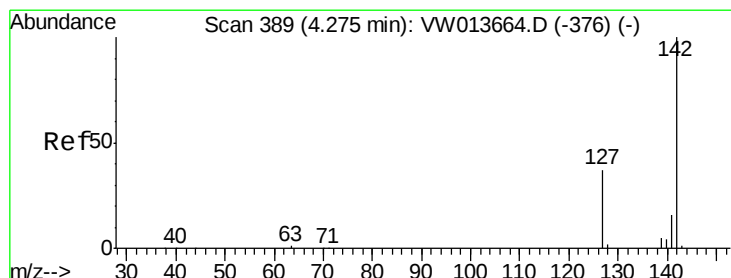
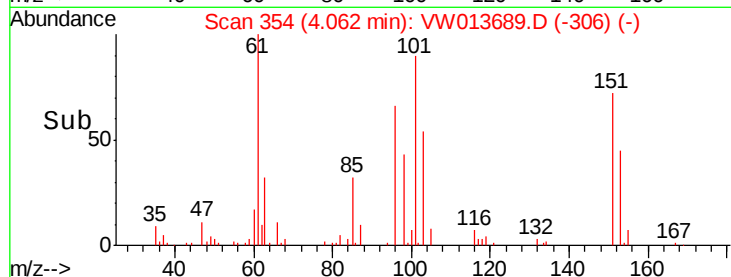
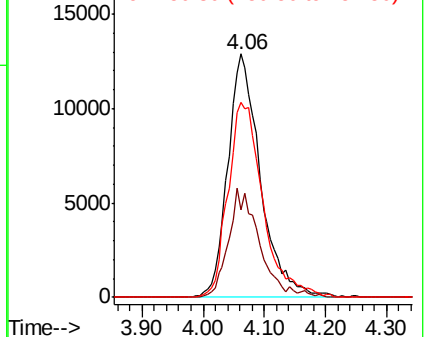
101 100

85 42.4 31.0 46.6

151 85.6 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: 21.478 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

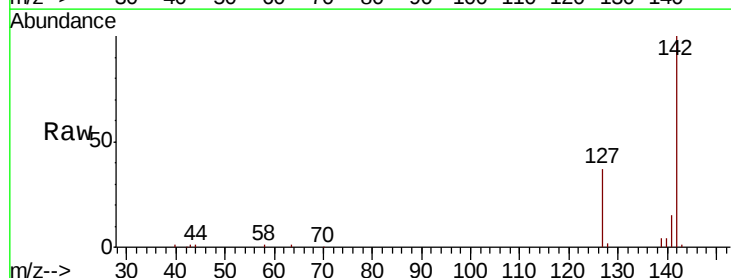
Tgt Ion:142 Resp: 79905

Ion Ratio Lower Upper

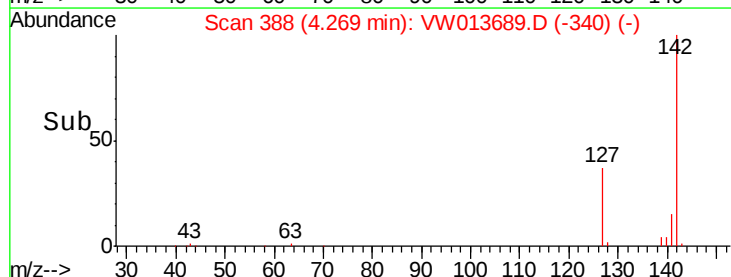
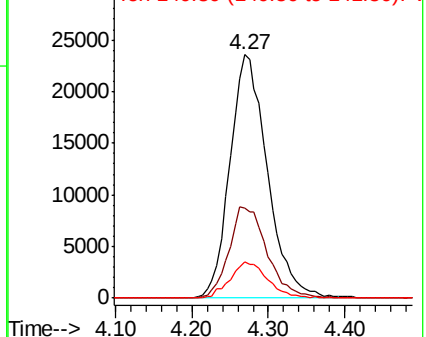
142 100

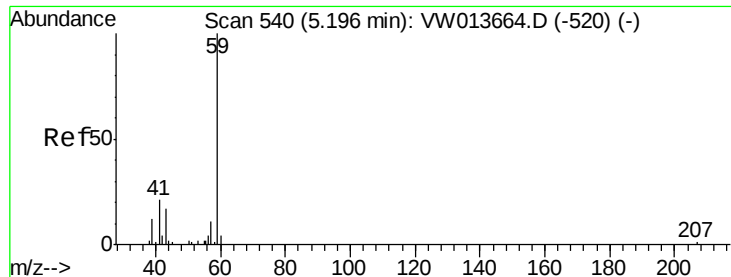
127 38.2 30.3 45.5

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



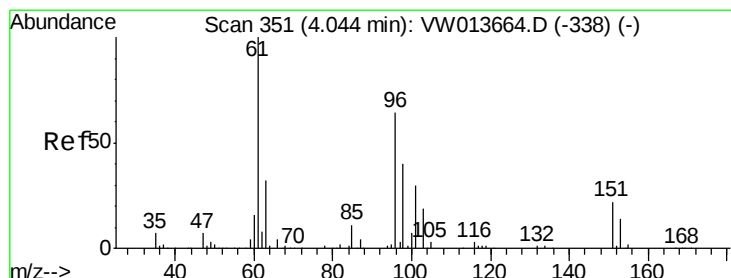
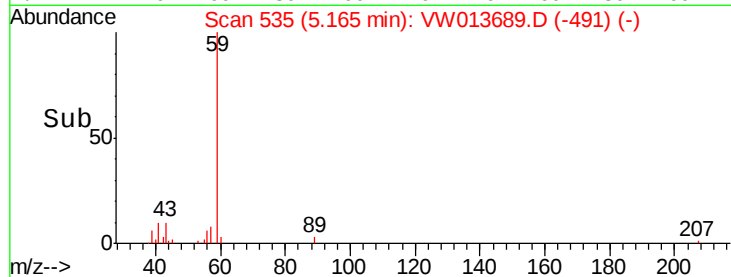
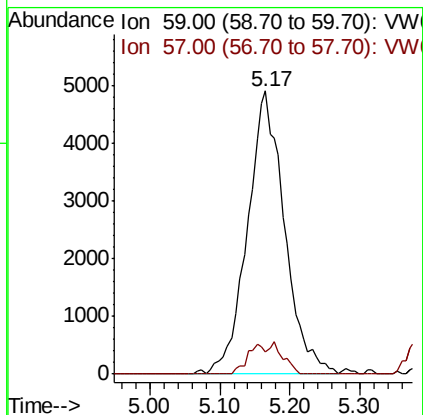
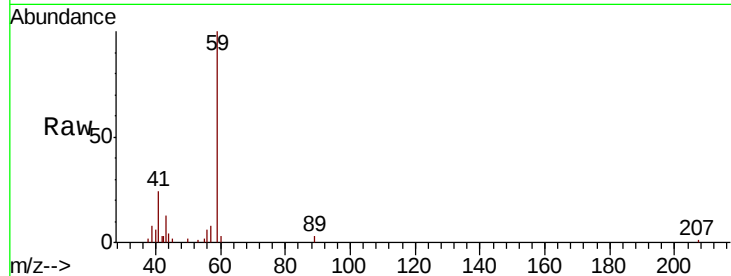


#11

Tert butyl alcohol
Concen: 153.168 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.03 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampled :

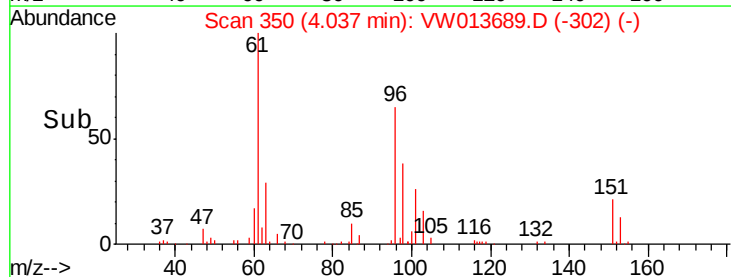
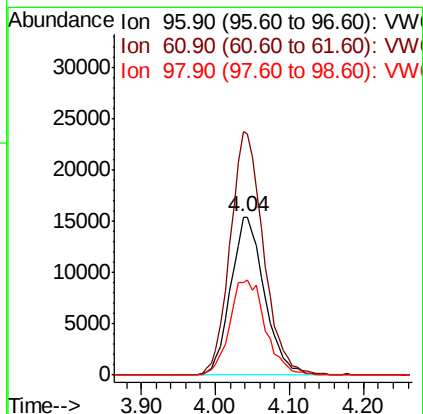
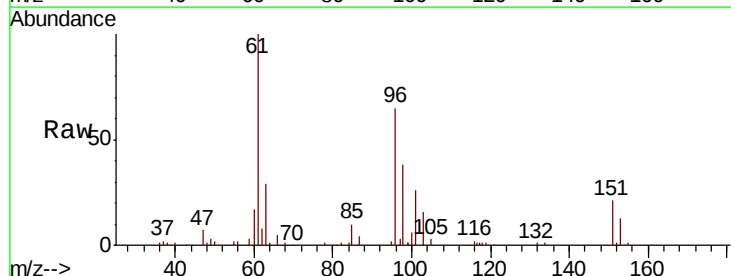
Tot Ion: 59 Resp: 18037
Ion Ratio Lower Upper
59 100
57 5.3 8.8 13.2#

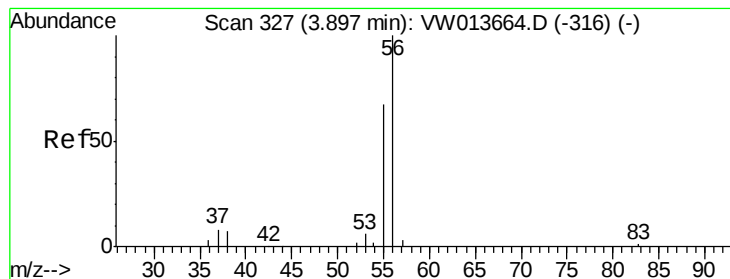


#12

1,1-Dichloroethene
Concen: 20.697 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion: 96 Resp: 48811
Ion Ratio Lower Upper
96 100
61 154.0 125.0 187.6
98 58.7 50.3 75.5





#13

Acrolein

Concen: 97.478 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

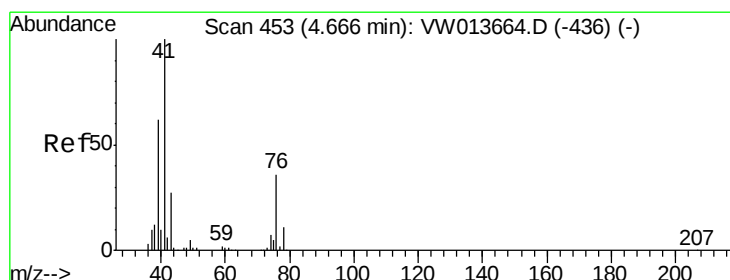
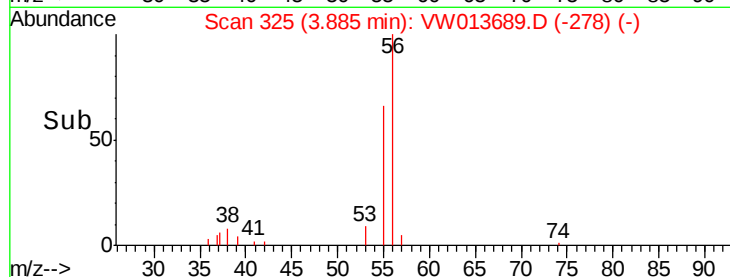
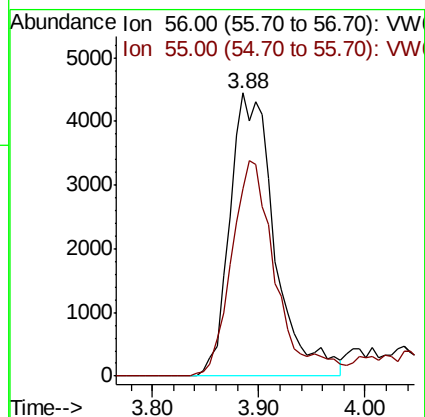
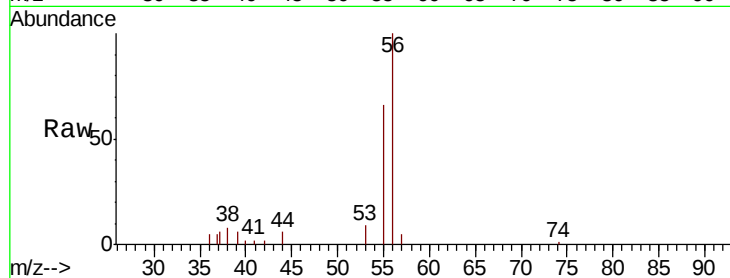
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 13151

Ion Ratio Lower Upper

56 100

55 74.7 56.1 84.1



#14

Allyl chloride

Concen: 20.315 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

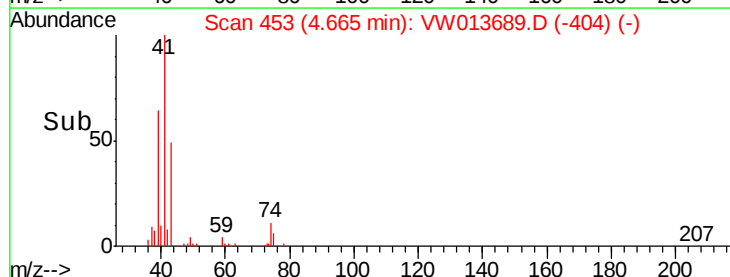
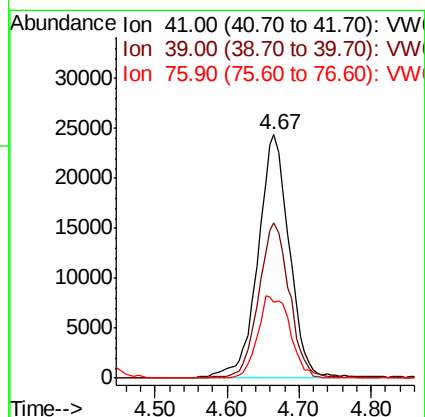
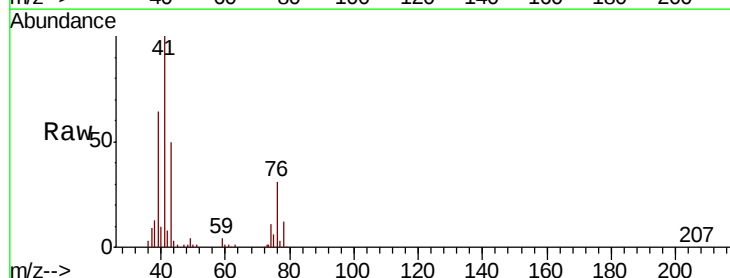
Tgt Ion: 41 Resp: 73668

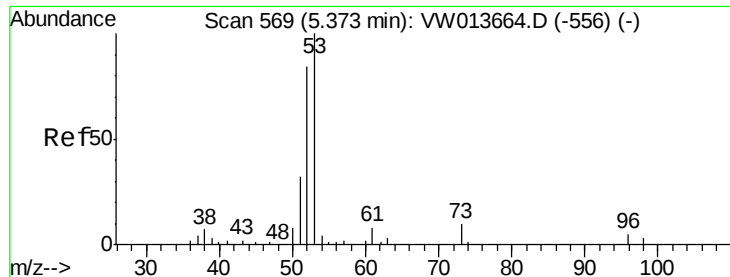
Ion Ratio Lower Upper

41 100

39 61.5 50.0 75.0

76 35.0 29.6 44.4





#15

Acrylonitrile

Concen: 137.301 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

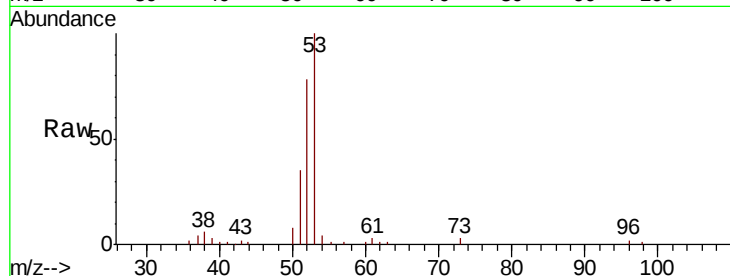
Tot Ion: 53 Resp: 63346

Ion Ratio Lower Upper

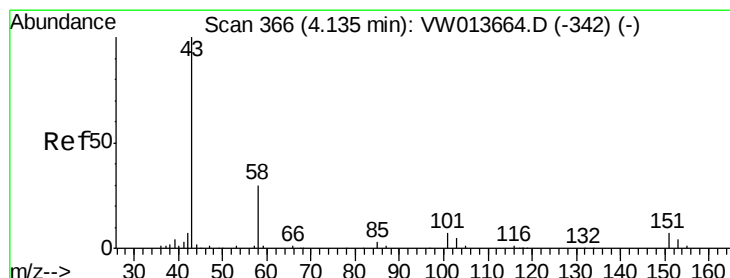
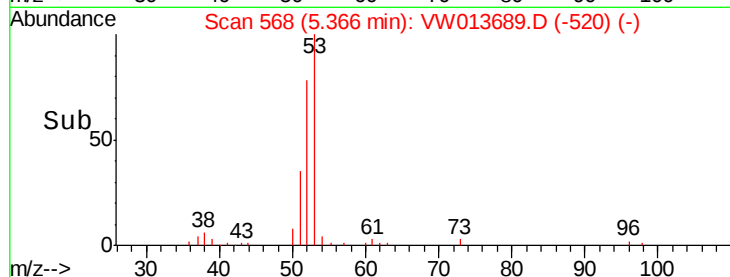
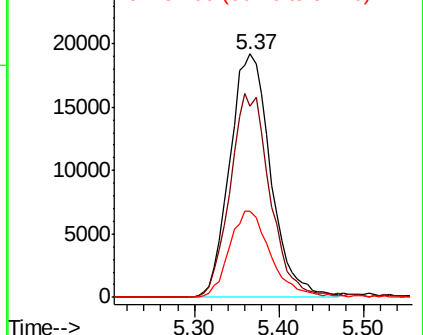
53 100

52 81.7 67.4 101.0

51 35.2 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 112.291 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013689.D

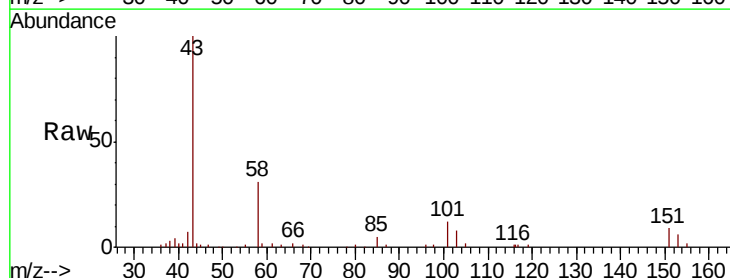
Acq: 24 Oct 2019 02:13

Tgt Ion: 43 Resp: 46966

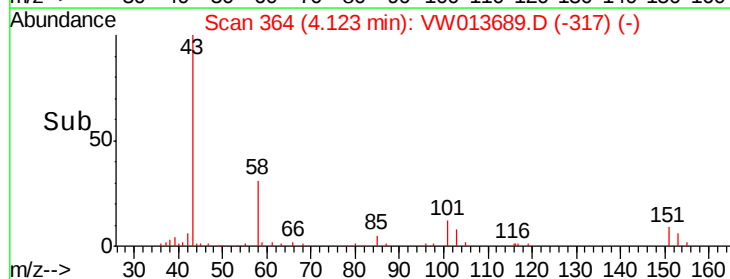
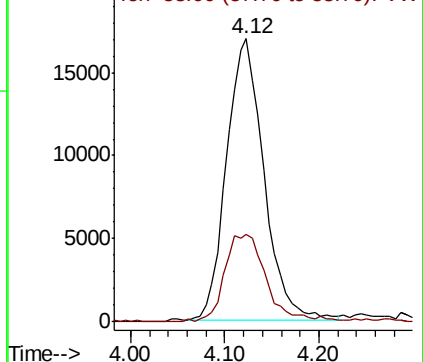
Ion Ratio Lower Upper

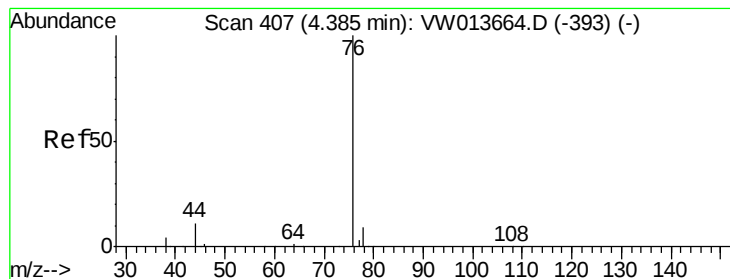
43 100

58 30.2 24.1 36.1



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





#17

Carbon Disulfide

Concen: 20.388 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

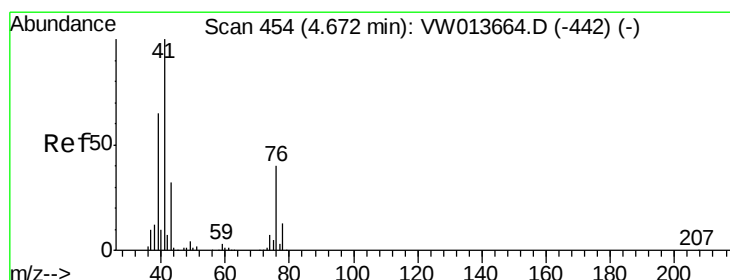
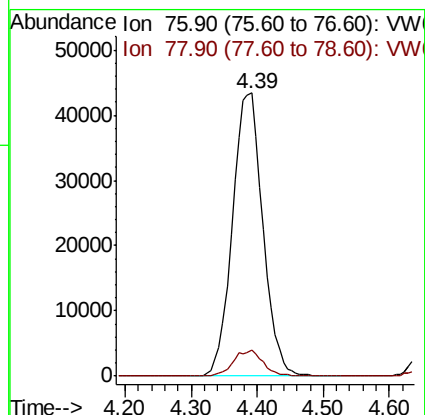
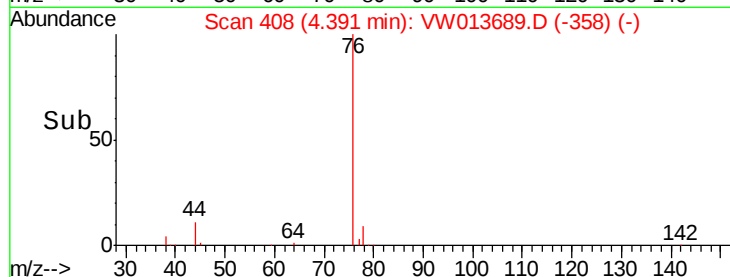
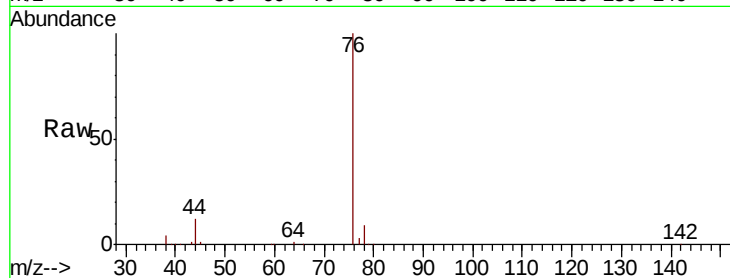
ClientSampleId :

Tot Ion: 76 Resp: 138084

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



#18

Methyl Acetate

Concen: 32.979 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW013689.D

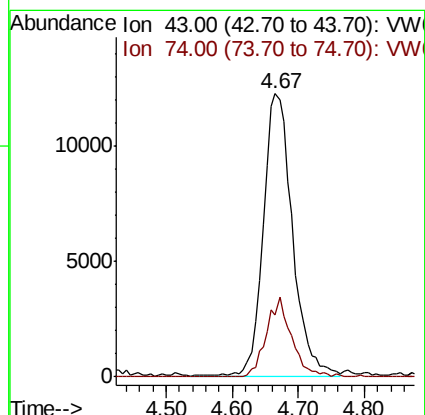
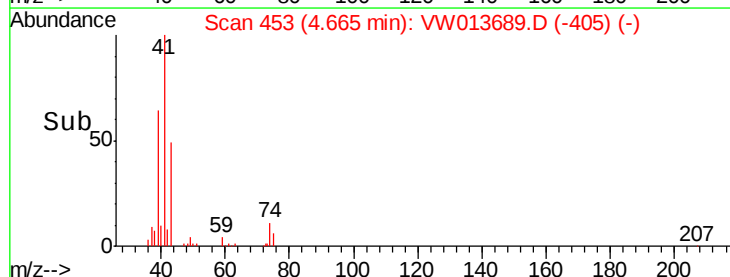
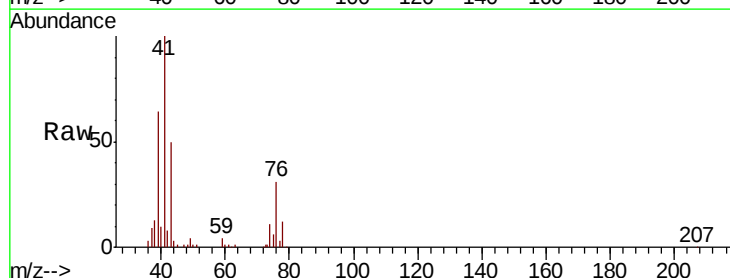
Acq: 24 Oct 2019 02:13

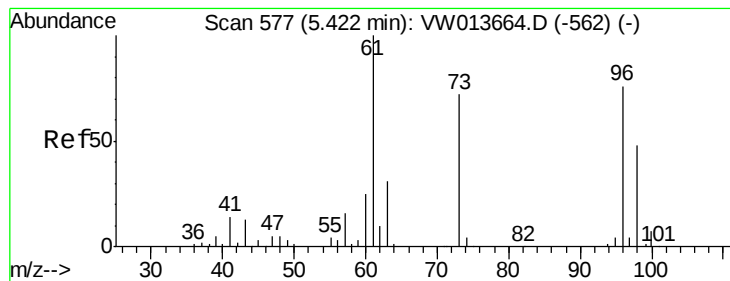
Tgt Ion: 43 Resp: 37812

Ion Ratio Lower Upper

43 100

74 24.0 19.8 29.8



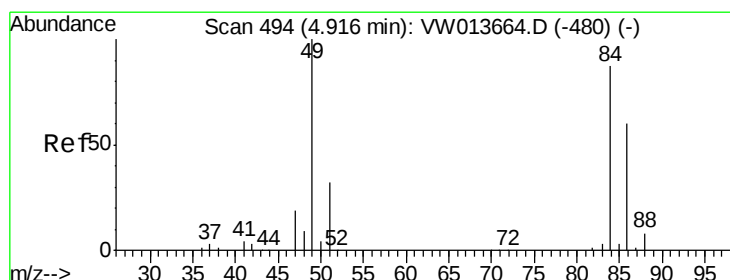
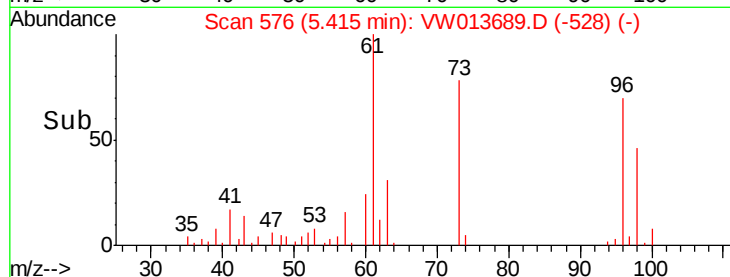
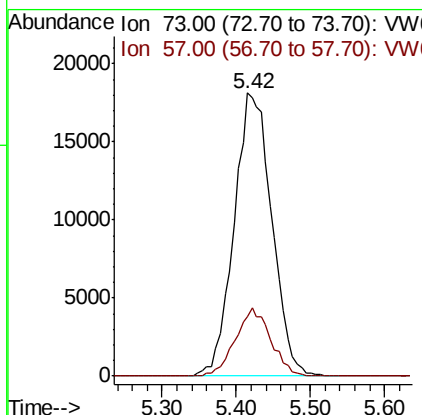
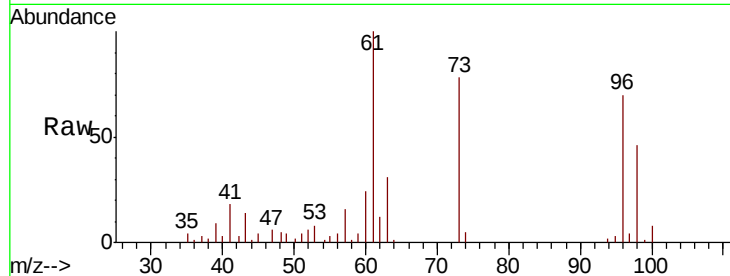


#19

Methyl tert-butyl Ether
 Concen: 22.731 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Instrument :
 MSVOA_W
 ClientSampled :

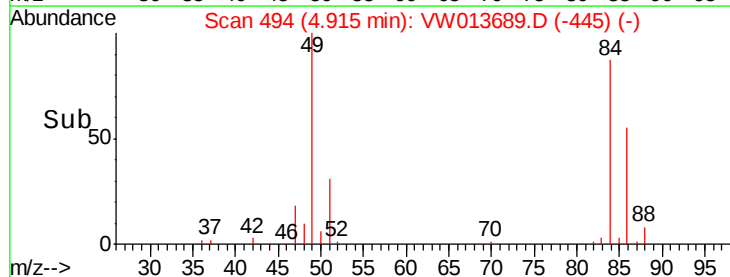
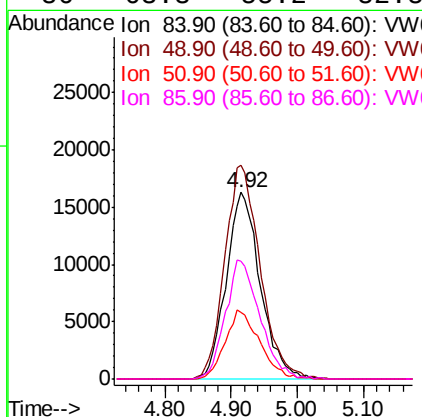
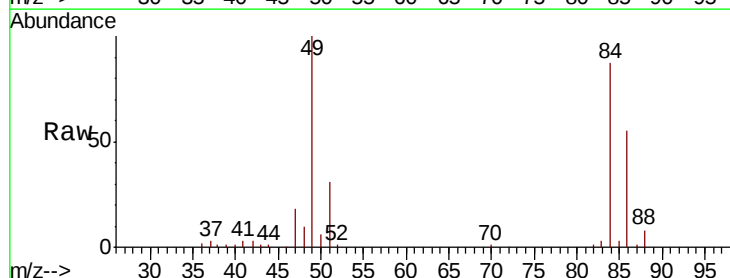
Tot Ion: 73 Resp: 64328
 Ion Ratio Lower Upper
 73 100
 57 20.9 17.6 26.4

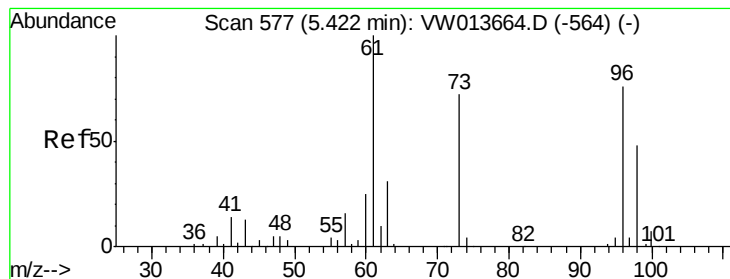


#20

Methylene Chloride
 Concen: 22.715 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Tgt Ion: 84 Resp: 58234
 Ion Ratio Lower Upper
 84 100
 49 114.4 91.8 137.6
 51 35.7 29.8 44.6
 86 63.3 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 20.765 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :

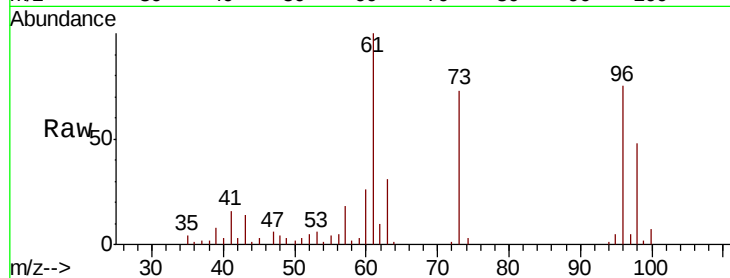
Tot Ion: 96 Resp: 52708

Ion Ratio Lower Upper

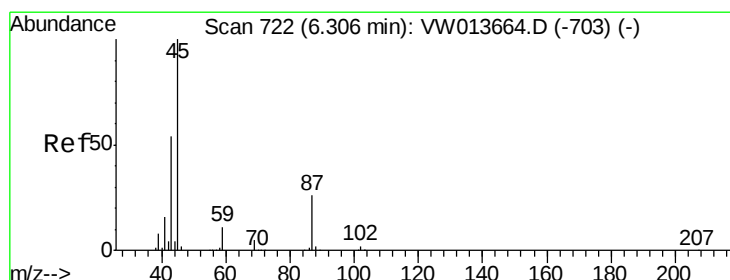
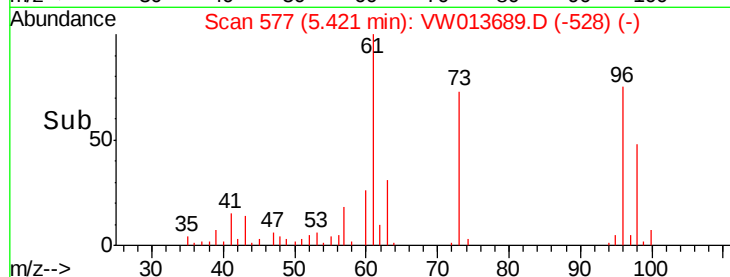
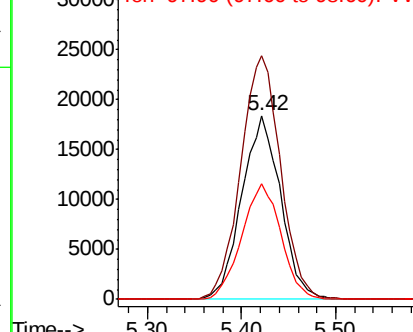
96 100

61 132.5 104.8 157.2

98 63.2 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: 21.958 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Tgt Ion: 45 Resp: 145246

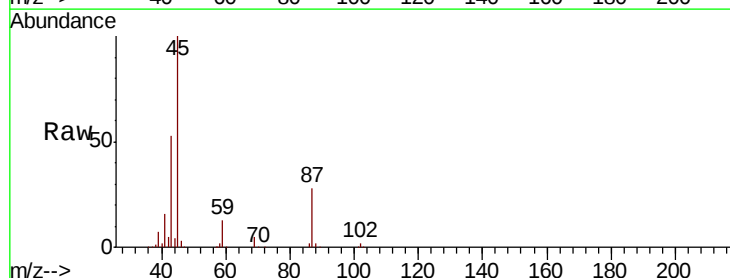
Ion Ratio Lower Upper

45 100

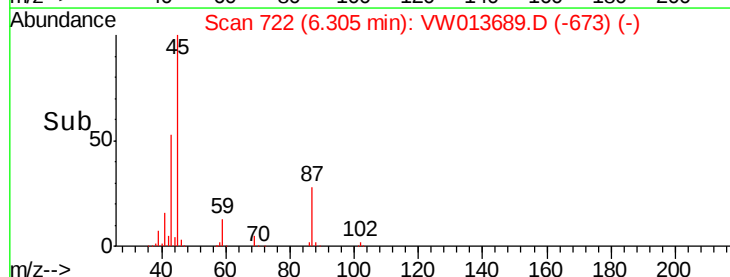
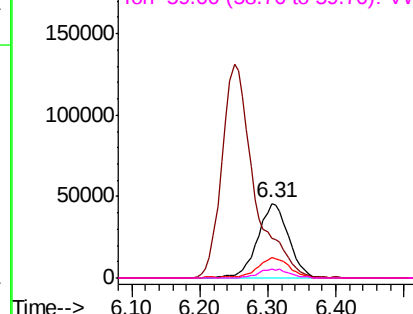
43 52.4 43.4 65.2

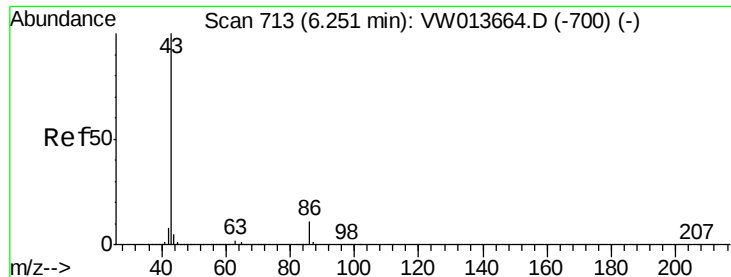
87 28.0 21.5 32.3

59 12.7 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: 112.432 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

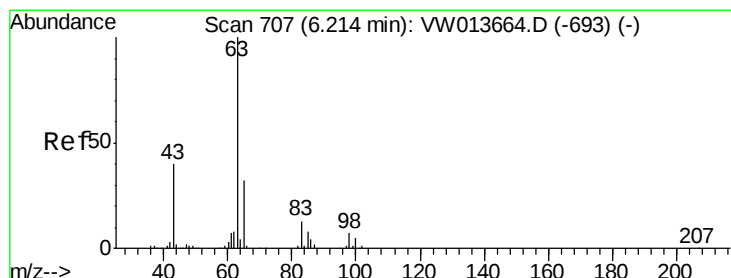
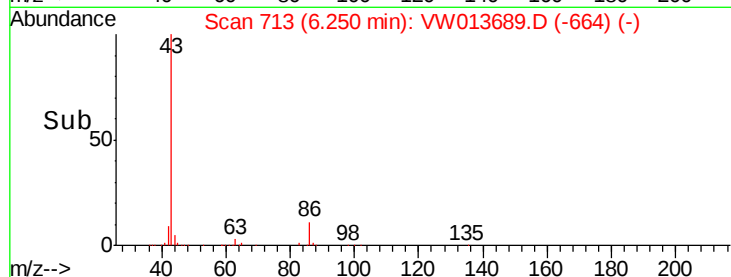
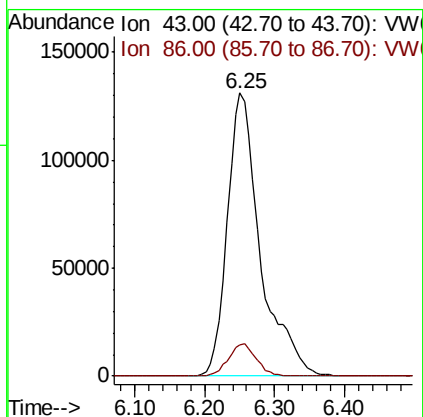
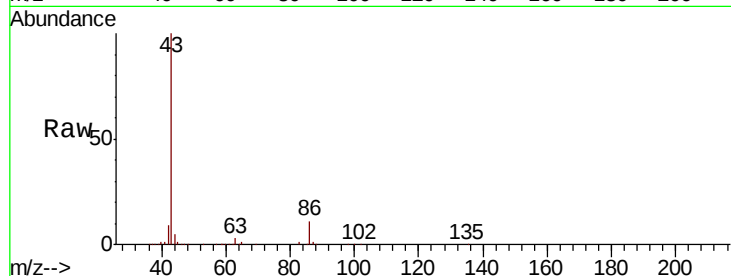
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 431529

Ion Ratio Lower Upper

43 100

86 10.8 9.0 13.6



#24

1,1-Dichloroethane

Concen: 21.198 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

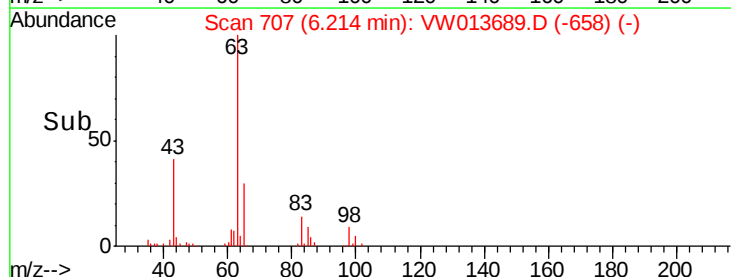
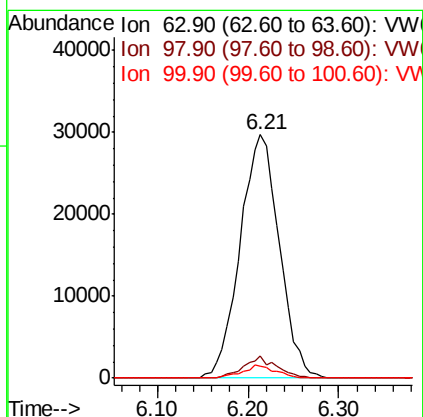
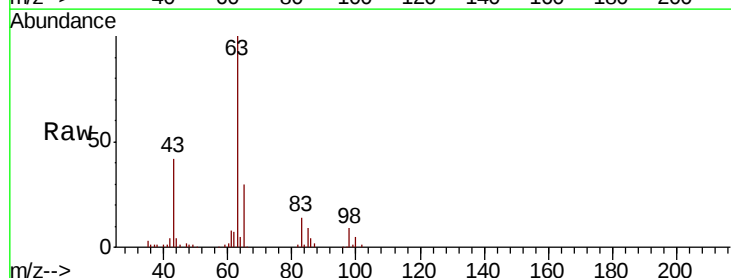
Tgt Ion: 63 Resp: 88804

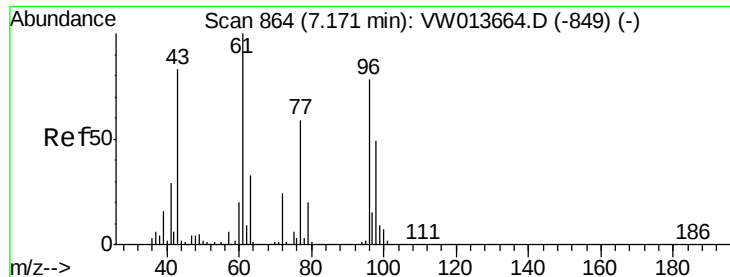
Ion Ratio Lower Upper

63 100

98 8.9 3.6 10.9

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 135.166 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

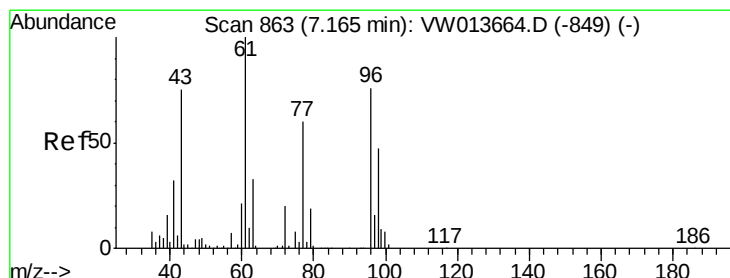
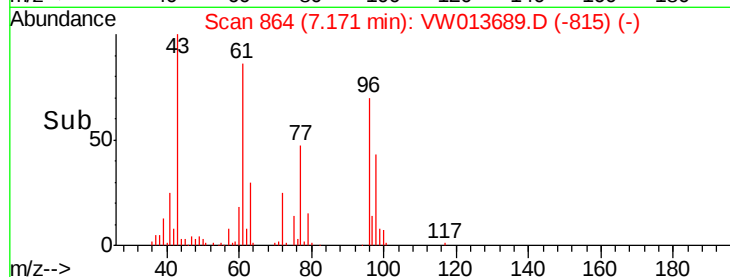
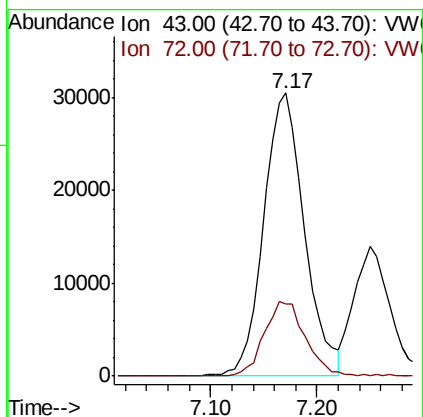
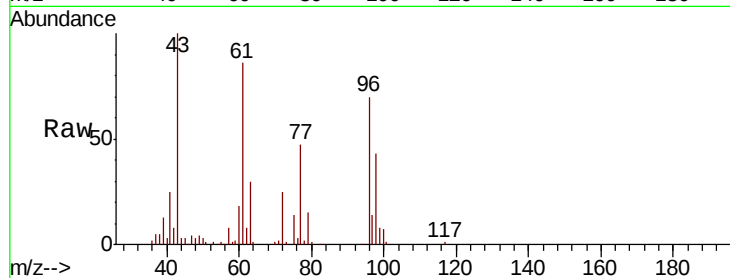
ClientSampleId :

Tot Ion: 43 Resp: 81278

Ion Ratio Lower Upper

43 100

72 25.4 23.6 35.4



#26

2,2-Dichloropropane

Concen: 19.249 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013689.D

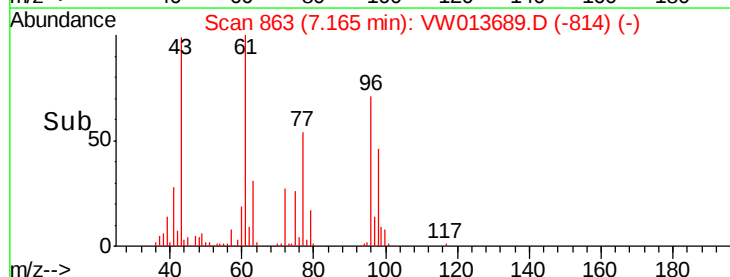
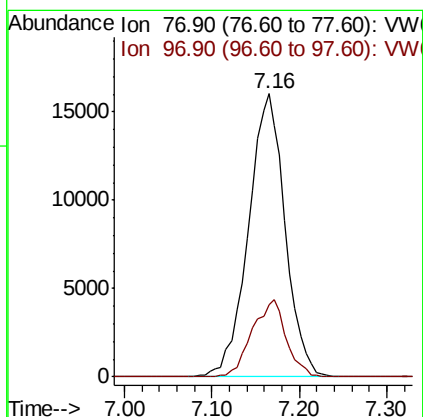
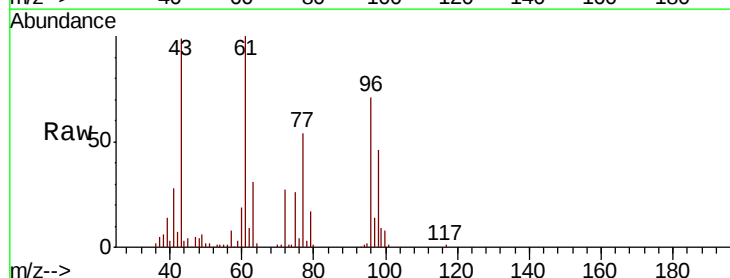
Acq: 24 Oct 2019 02:13

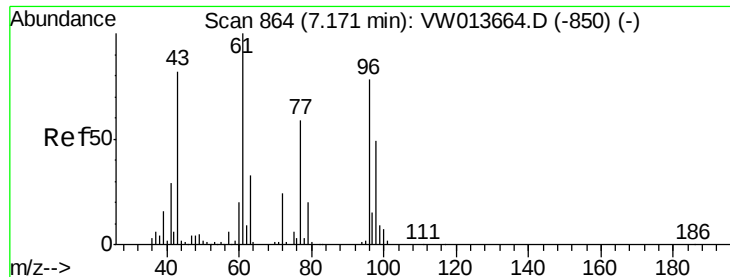
Tgt Ion: 77 Resp: 46631

Ion Ratio Lower Upper

77 100

97 25.5 12.8 38.4



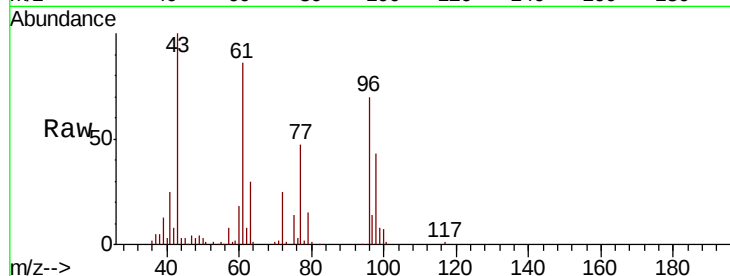


#27

cis-1,2-Dichloroethene
 Concen: 21.497 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	96	Resp	57955
Ion	Ratio	Lower	Upper
96	100		
61	134.4	0.0	266.0
98	62.6	0.0	126.8

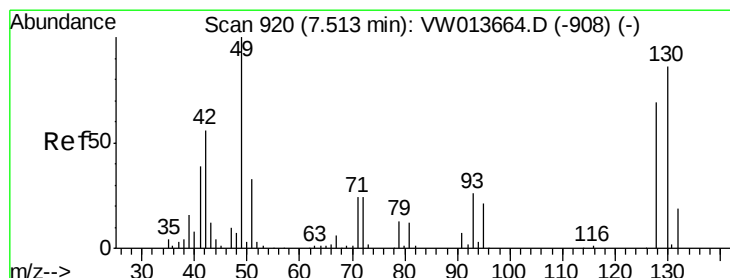
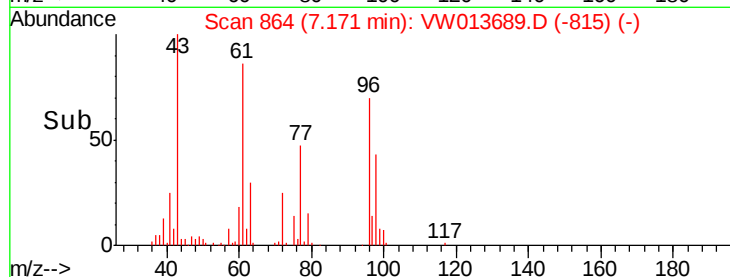
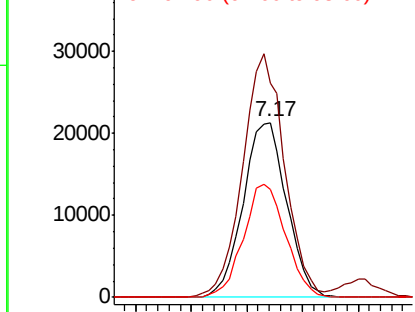


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

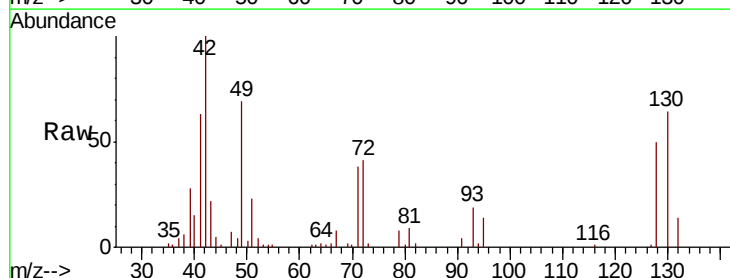
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
 Concen: 17.128 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Tgt Ion	49	Resp	24213
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	0.6#
130	88.8	67.5	101.3

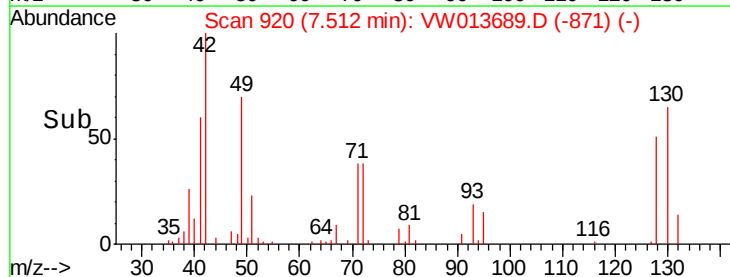
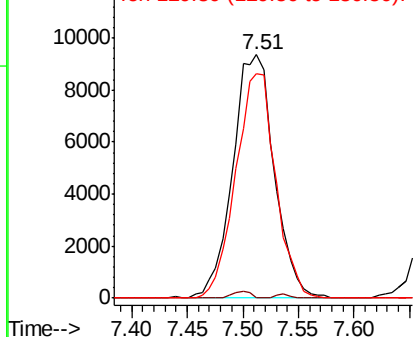


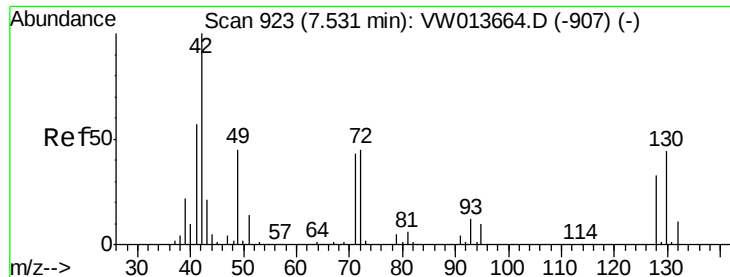
Abundance

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

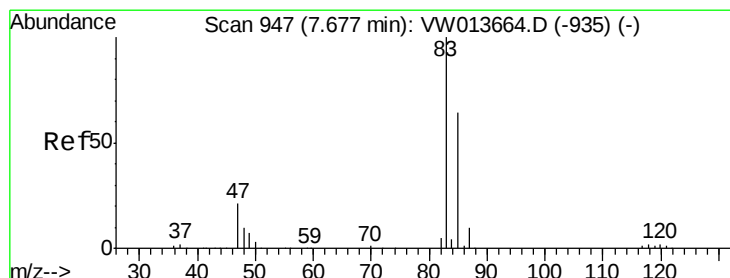
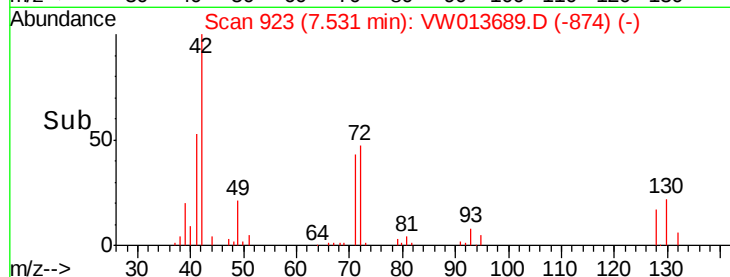
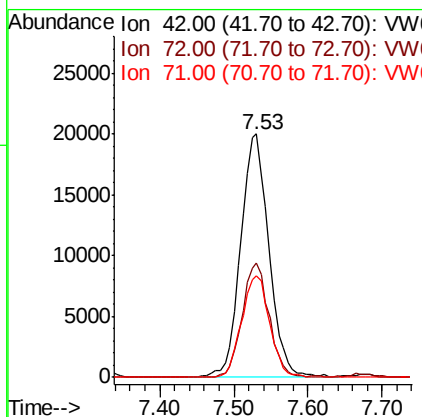
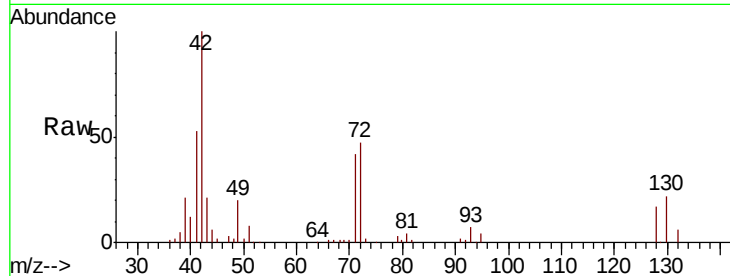




#29
Tetrahydrofuran
Concen: 143.712 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

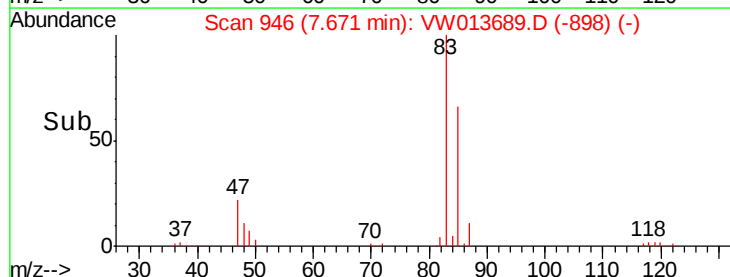
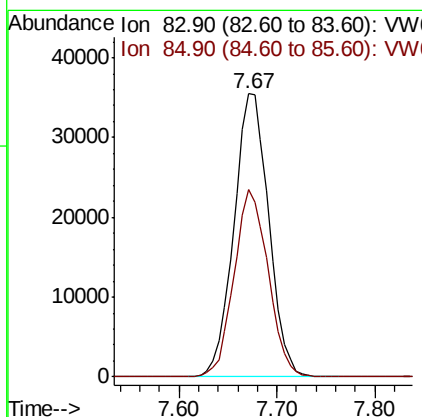
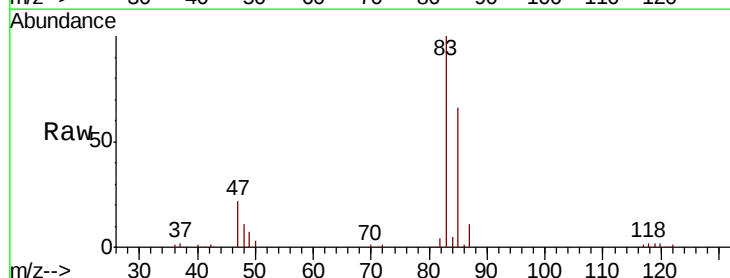
Instrument :
MSVOA_W
ClientSampled :

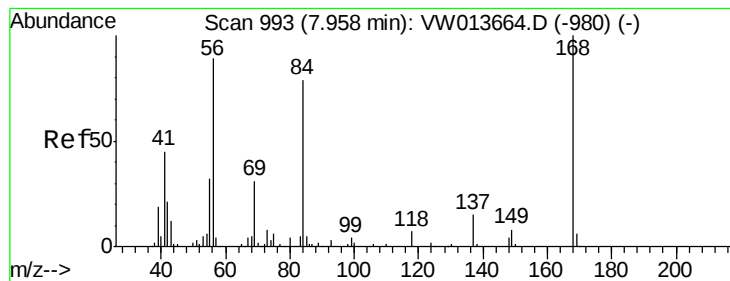
Tot Ion: 42 Resp: 53501
Ion Ratio Lower Upper
42 100
72 44.6 35.3 52.9
71 41.3 33.3 49.9



#30
Chloroform
Concen: 21.139 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion: 83 Resp: 87543
Ion Ratio Lower Upper
83 100
85 66.2 51.4 77.2





#31

Cyclohexane

Concen: 20.134 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

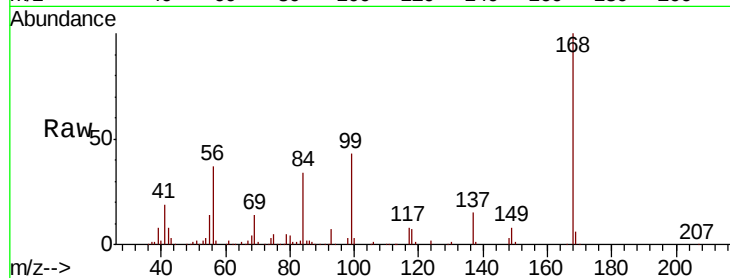
Tot Ion: 56 Resp: 88268

Ion Ratio Lower Upper

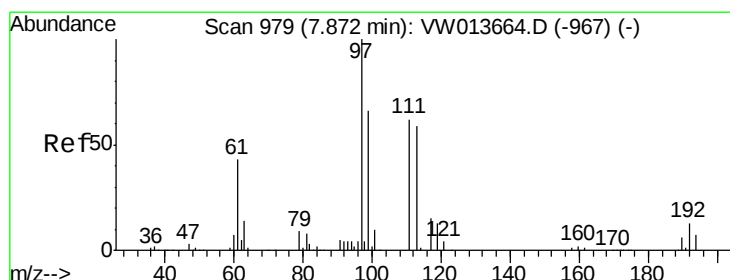
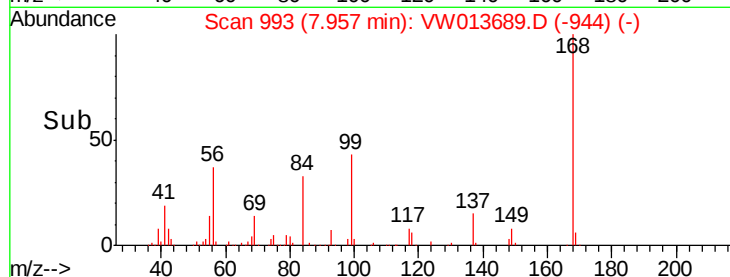
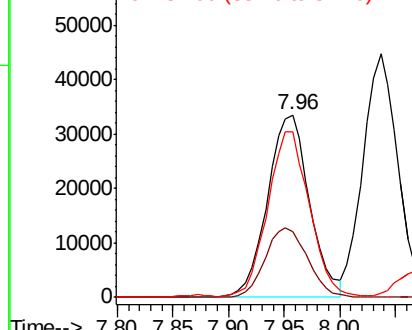
56 100

69 36.3 27.5 41.3

84 89.2 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: 21.114 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

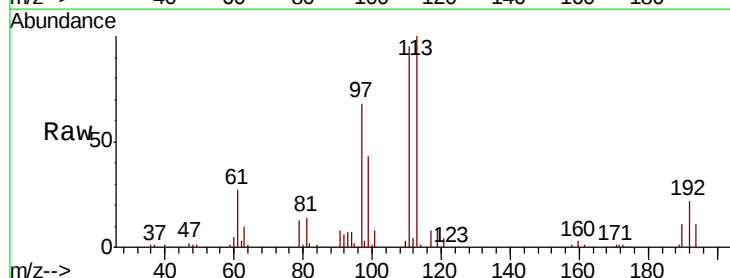
Tgt Ion: 97 Resp: 68617

Ion Ratio Lower Upper

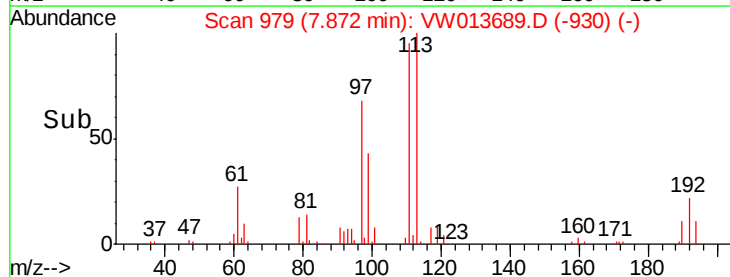
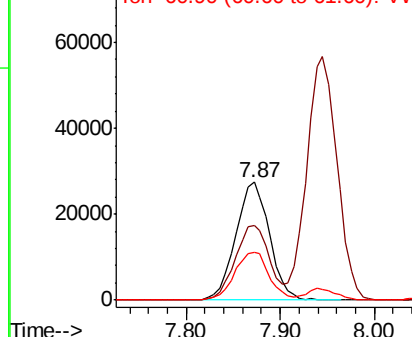
97 100

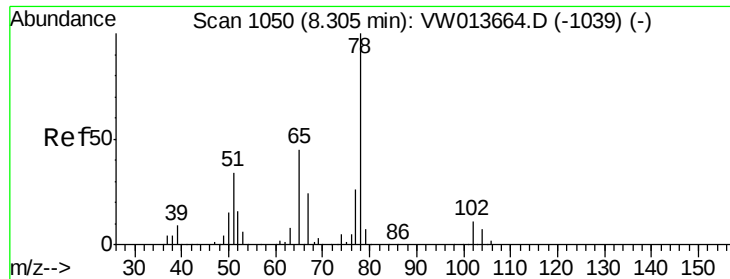
99 63.7 52.0 78.0

61 41.2 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

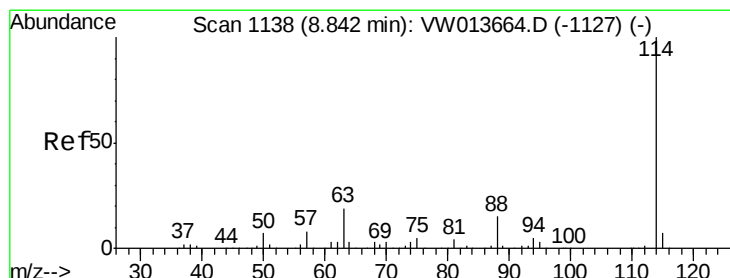
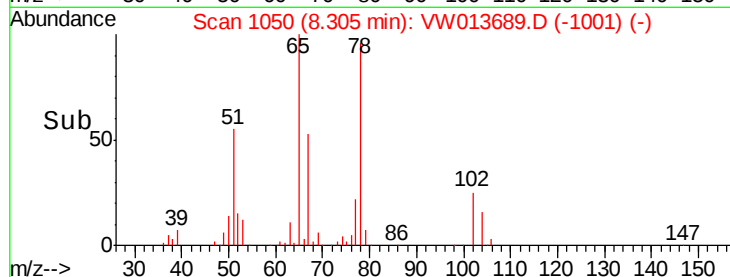
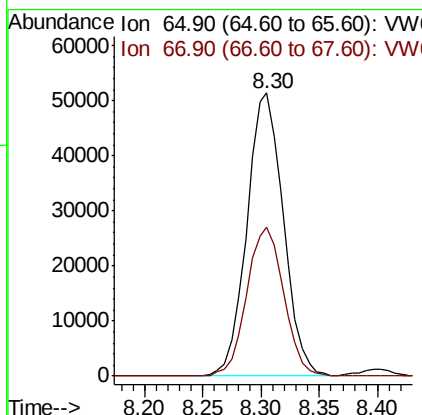
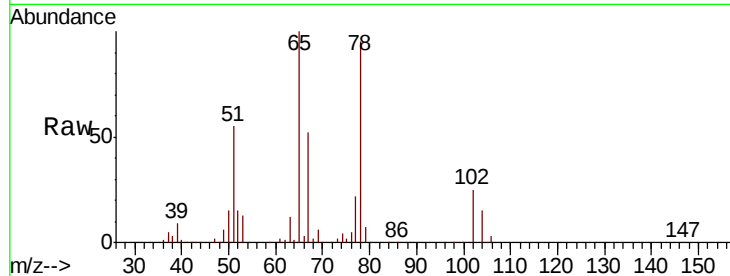




#33
 1,2-Dichloroethane-d4
 Concen: 56.990 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

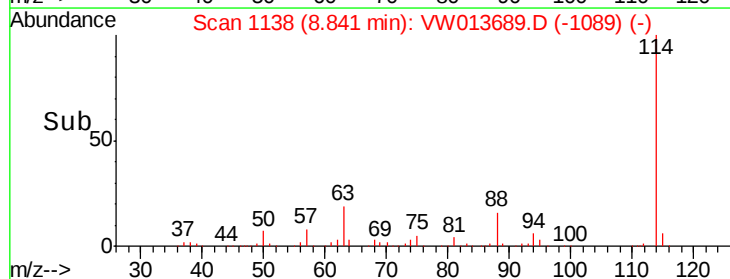
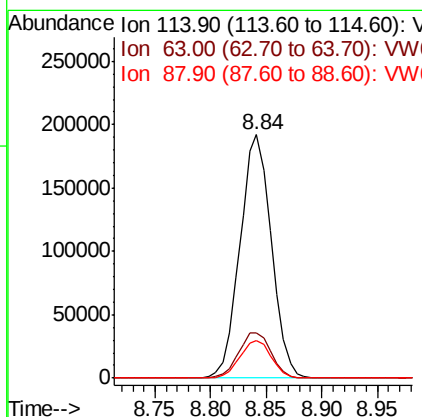
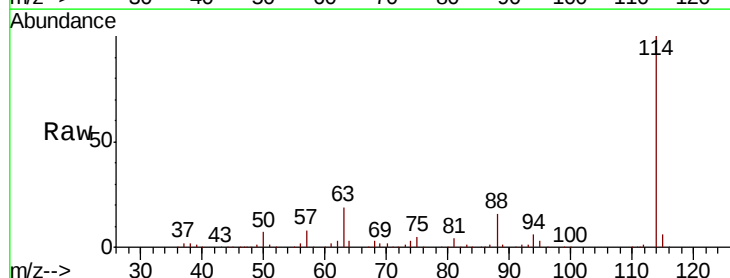
Instrument :
 MSVOA_W
 ClientSampleId :

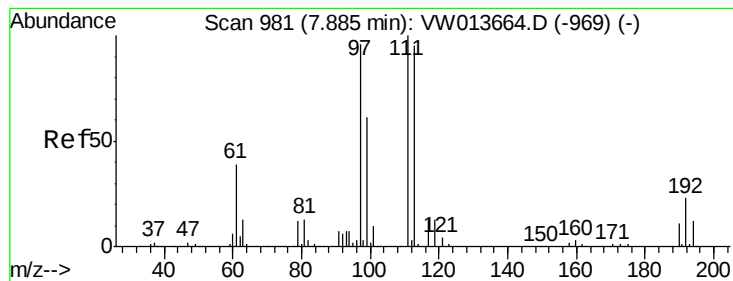
Tot Ion: 65 Resp: 112418
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Tgt Ion: 114 Resp: 376354
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.6
 88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 53.278 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :

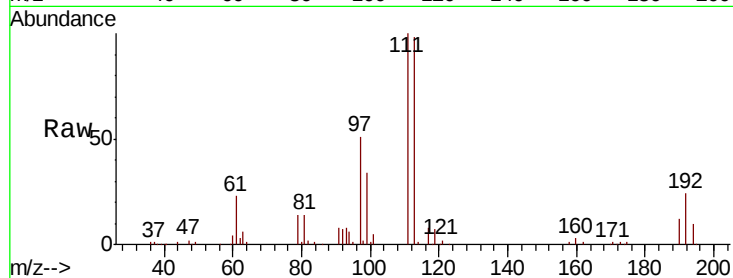
Tot Ion:113 Resp: 111416

Ion Ratio Lower Upper

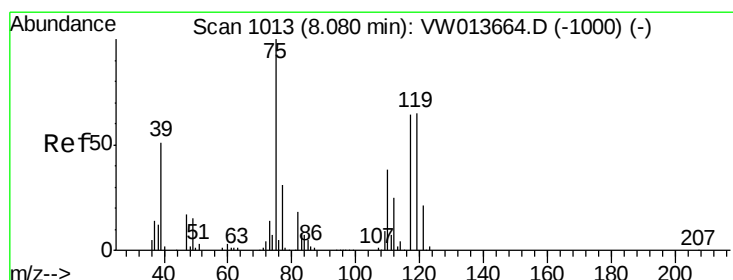
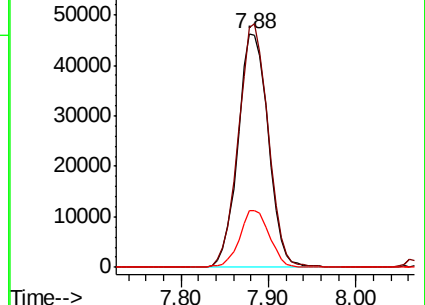
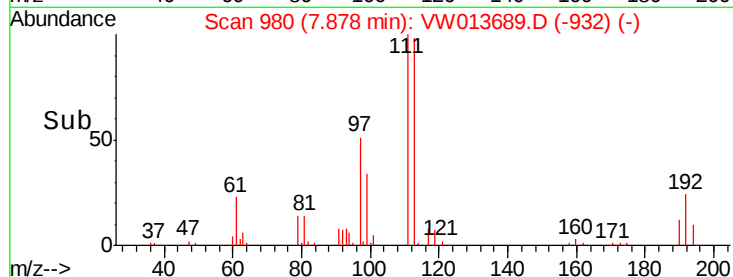
113 100

111 102.6 83.0 124.6

192 24.1 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: 20.320 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

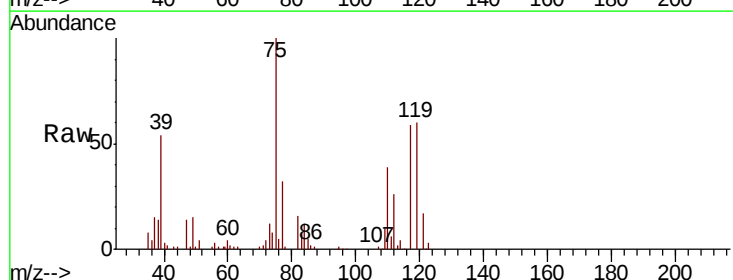
Tgt Ion: 75 Resp: 71222

Ion Ratio Lower Upper

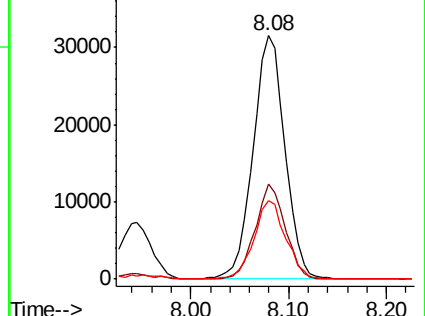
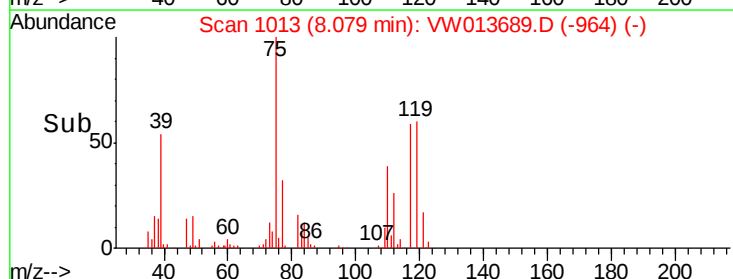
75 100

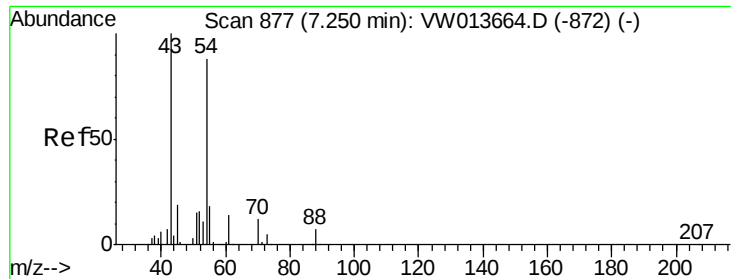
110 36.5 18.7 56.1

77 32.1 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

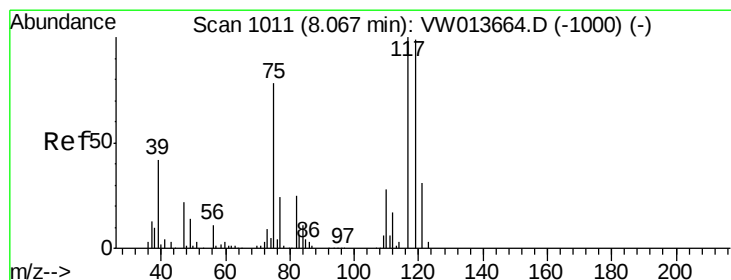
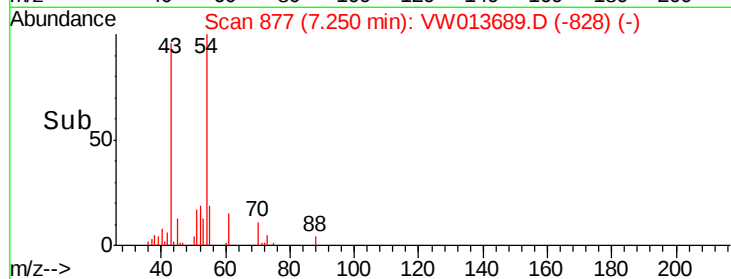
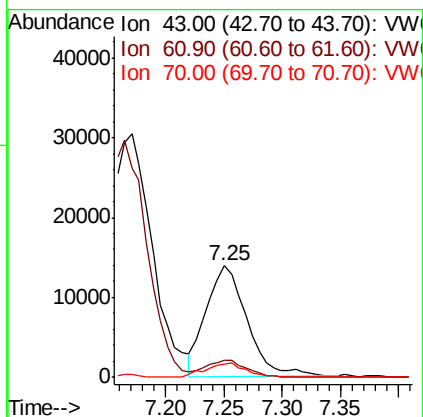
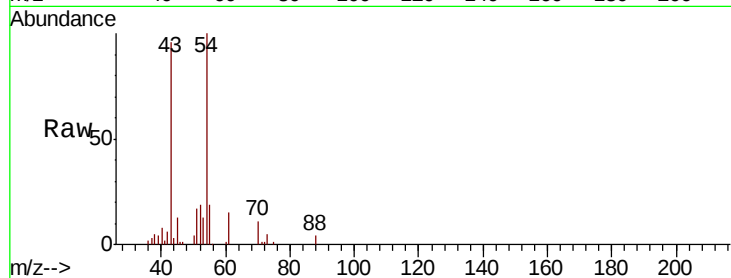




#37
Ethyl Acetate
Concen: 25.355 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

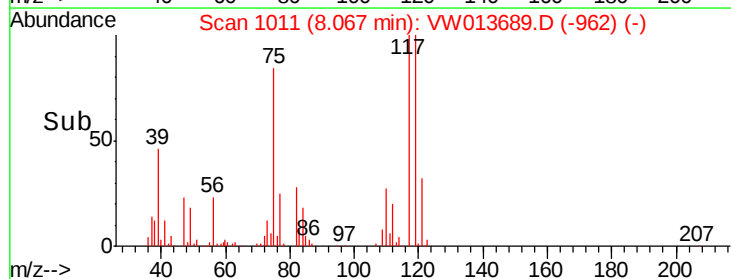
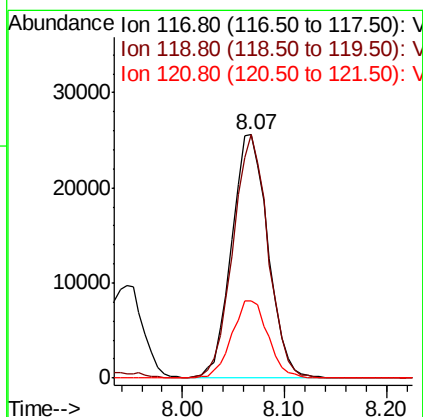
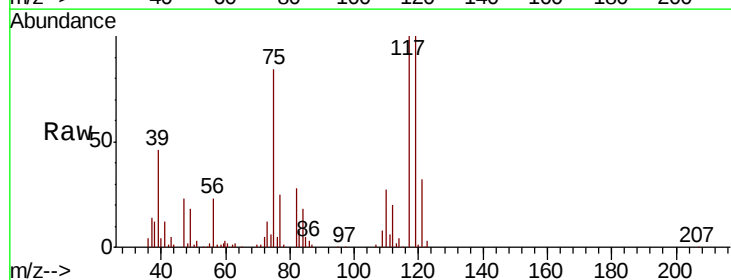
Instrument :
MSVOA_W
ClientSampleId :

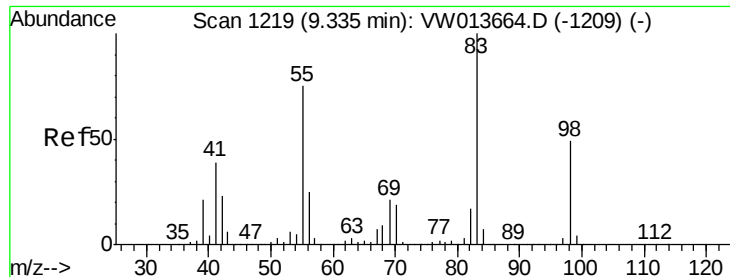
Tot Ion: 43 Resp: 34019
Ion Ratio Lower Upper
43 100
61 15.6 11.7 17.5
70 12.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 20.065 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion: 117 Resp: 63332
Ion Ratio Lower Upper
117 100
119 100.1 79.0 118.4
121 31.9 24.5 36.7

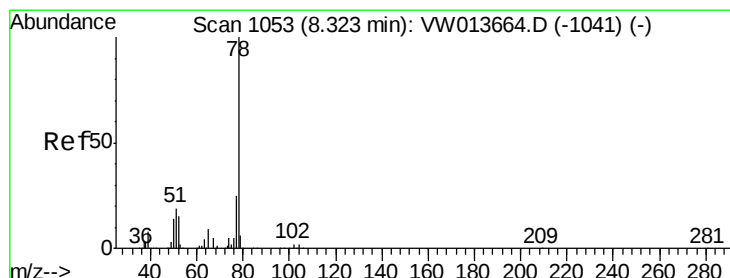
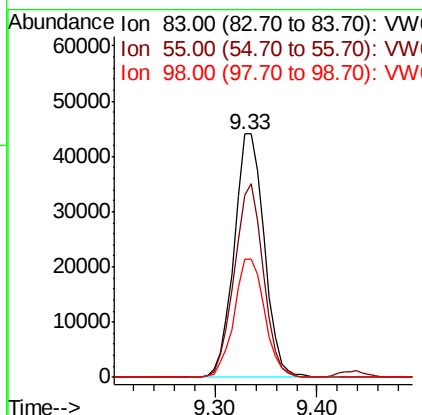
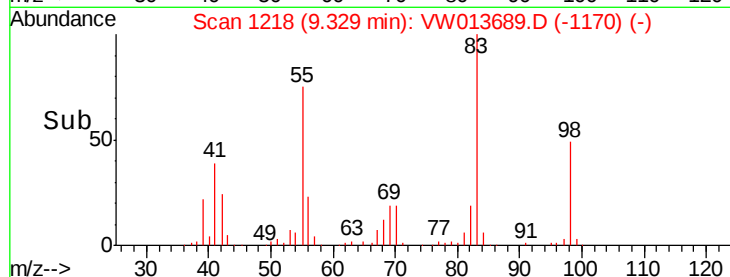
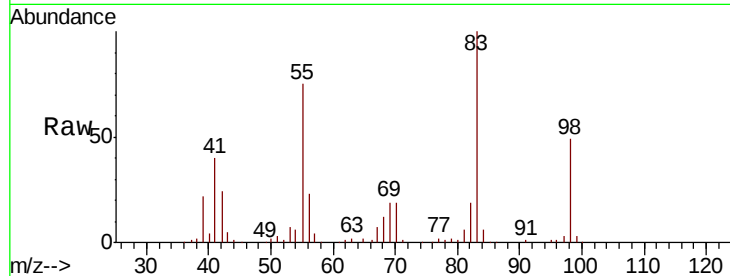




#39
Methvlcvclohexane
Concen: 19.860 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

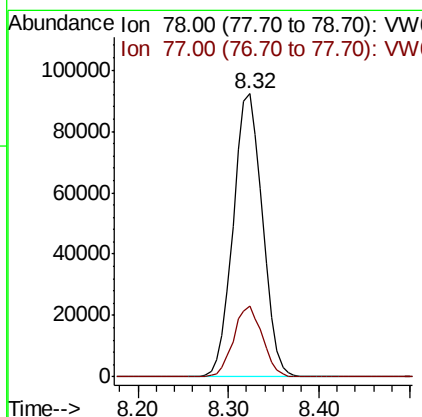
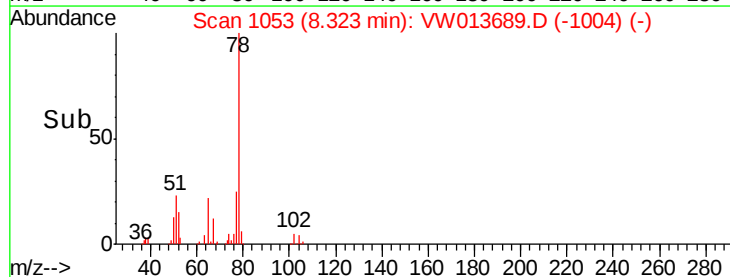
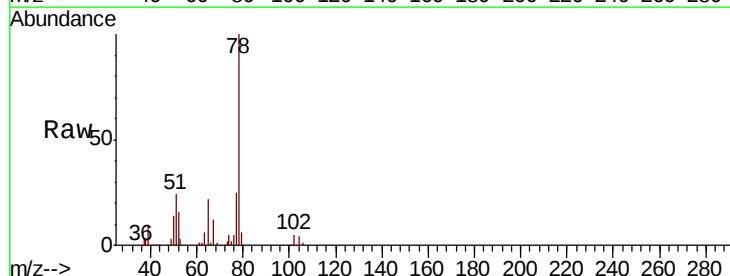
Instrument :
MSVOA_W
ClientSampleId :

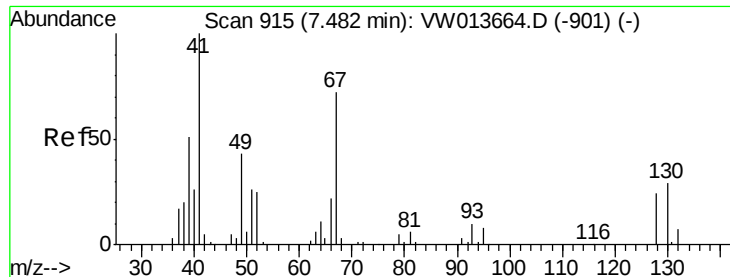
Tot Ion	83	Resp	89895
Ion	Ratio	Lower	Upper
83	100		
55	74.9	59.9	89.9
98	48.8	39.4	59.2



#40
Benzene
Concen: 20.873 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	78	Resp	207041
Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.6	29.4

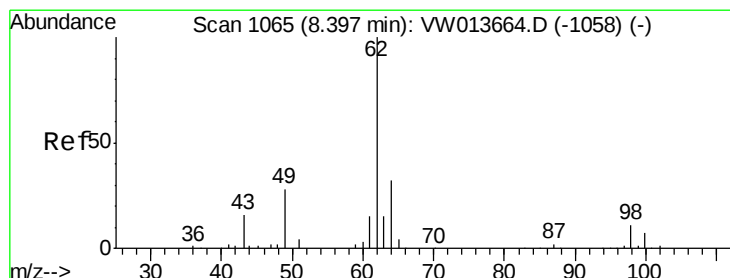
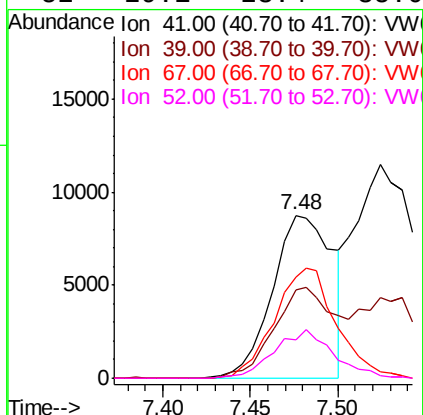
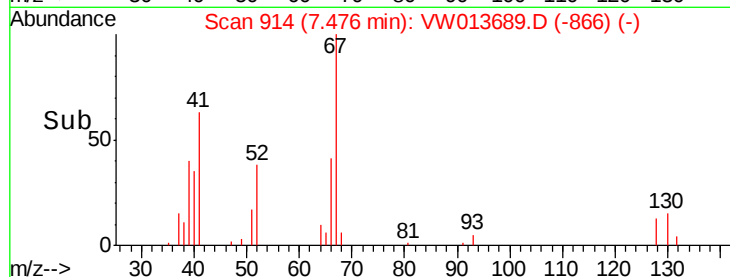
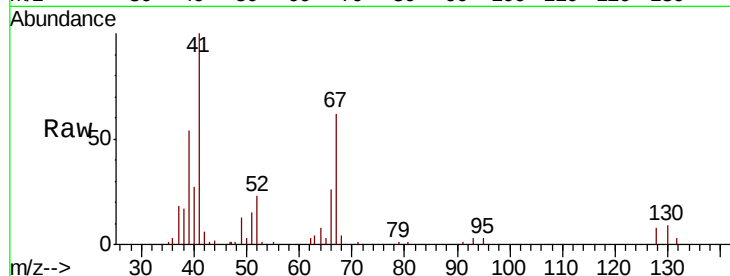




#41
Methacrylonitrile
Concen: 25.161 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

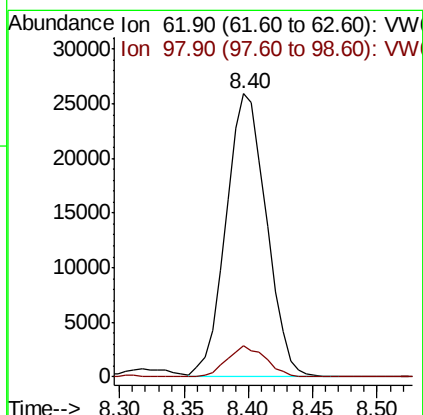
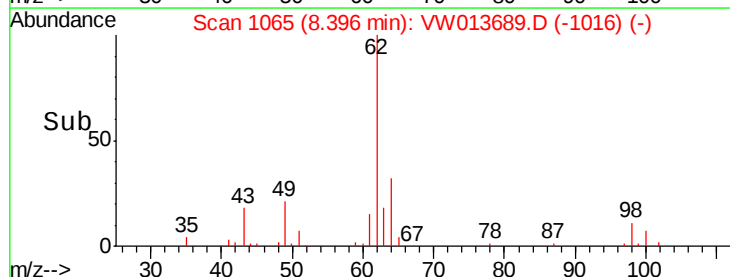
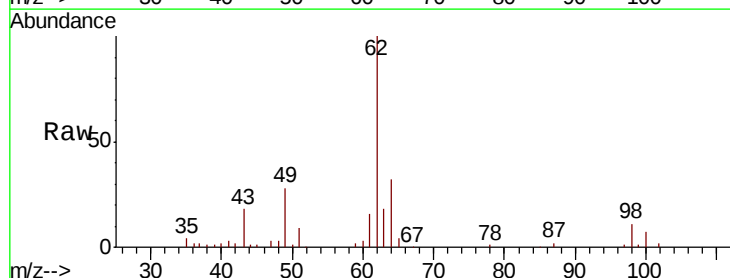
Instrument :
MSVOA_W
ClientSampleId :

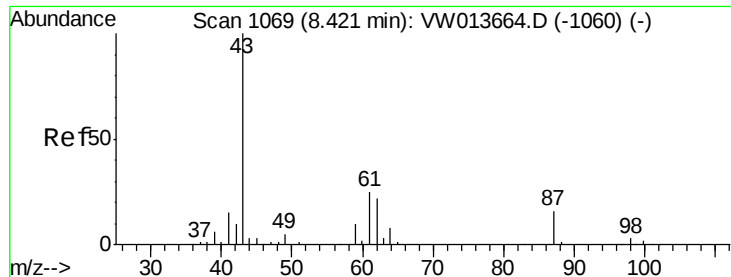
Tot Ion:	41	Resp:	21052
Ion	Ratio	Lower	Upper
41	100		
39	58.6	44.8	67.2
67	69.2	59.3	88.9
52	29.1	23.4	35.0



#42
1,2-Dichloroethane
Concen: 22.680 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion:	62	Resp:	56691
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	22.4





#43

Isopropyl Acetate

Concen: 24.984 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

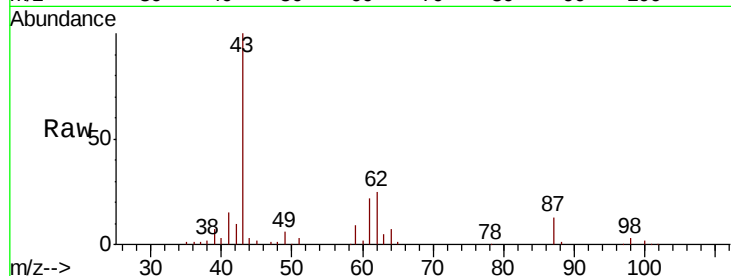
Tot Ion: 43 Resp: 64166

Ion Ratio Lower Upper

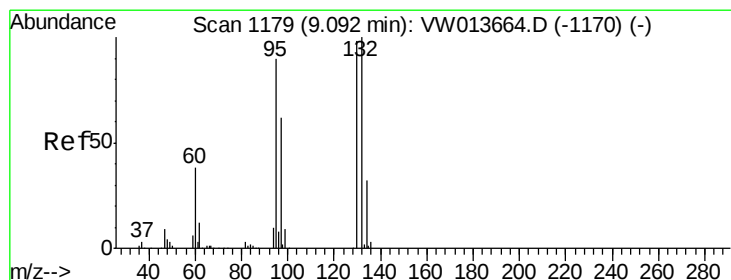
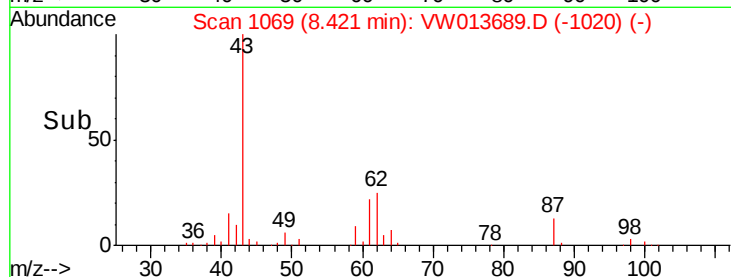
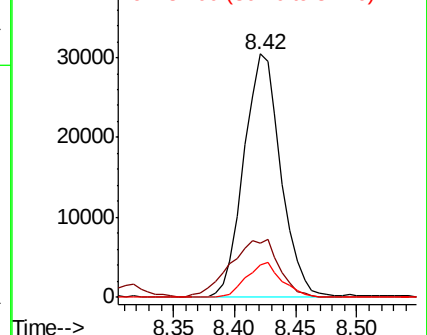
43 100

61 31.7 26.1 39.1

87 13.6 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: 20.576 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013689.D

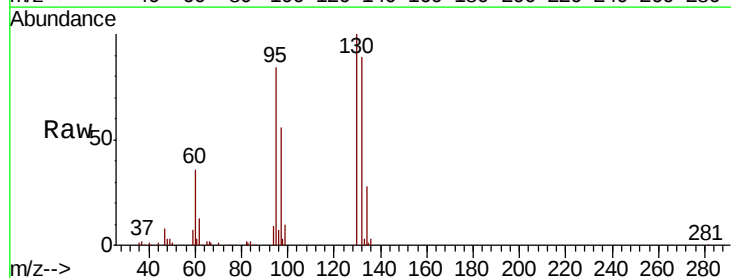
Acq: 24 Oct 2019 02:13

Tgt Ion:130 Resp: 58464

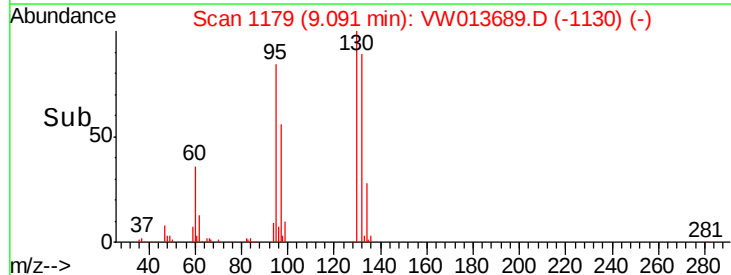
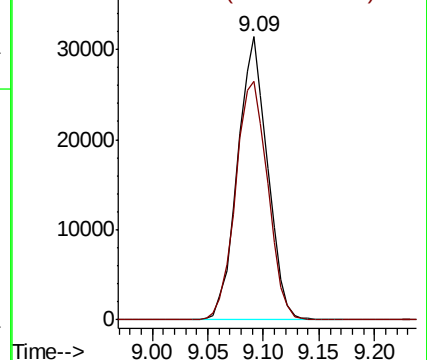
Ion Ratio Lower Upper

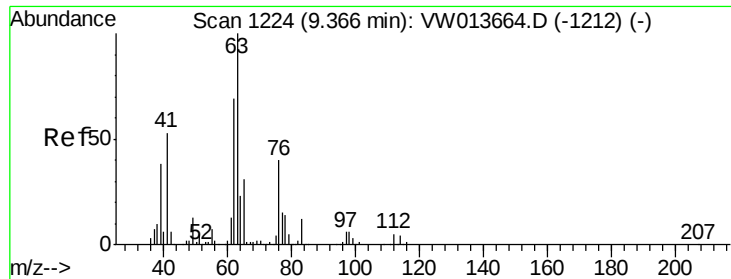
130 100

95 84.4 0.0 184.6



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

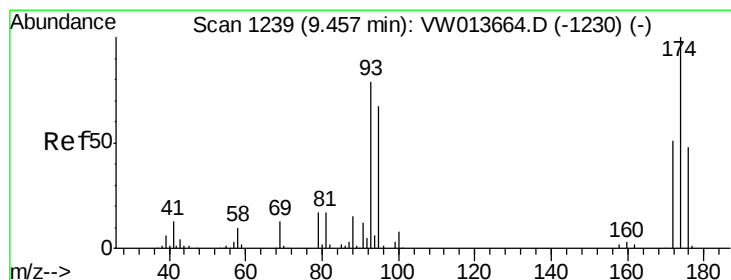
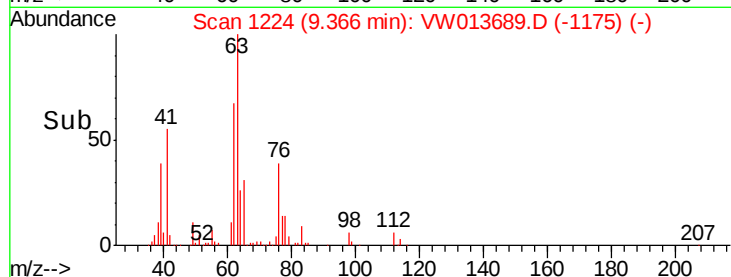
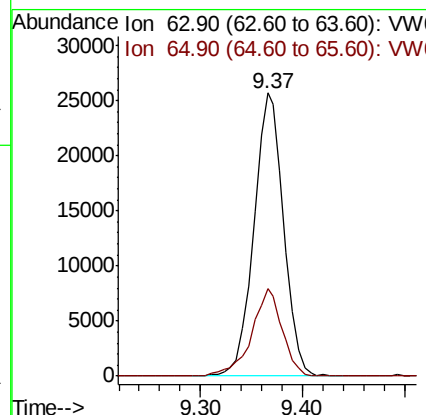
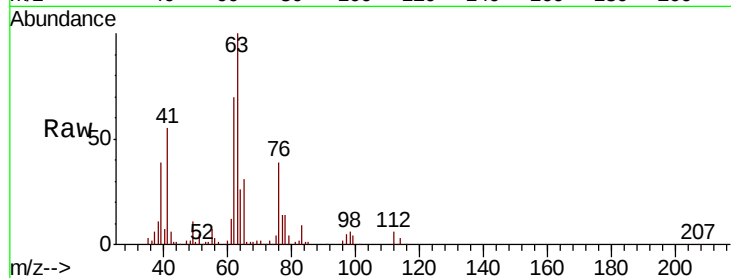




#45
 1,2-Dichloropropane
 Concen: 21.940 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

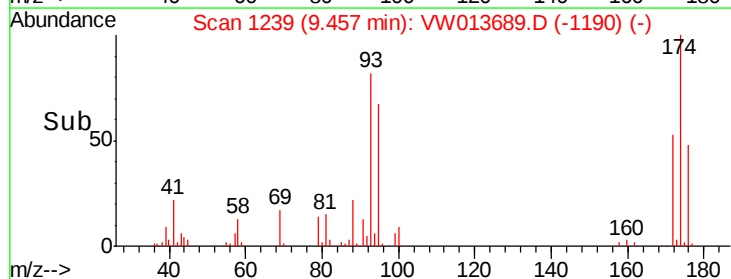
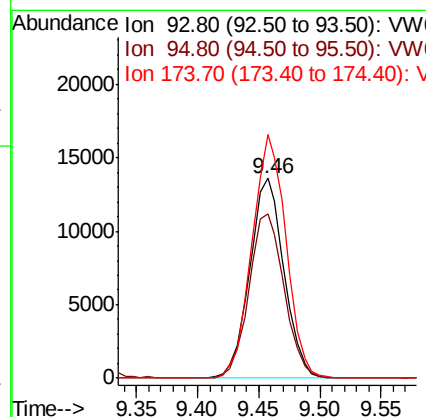
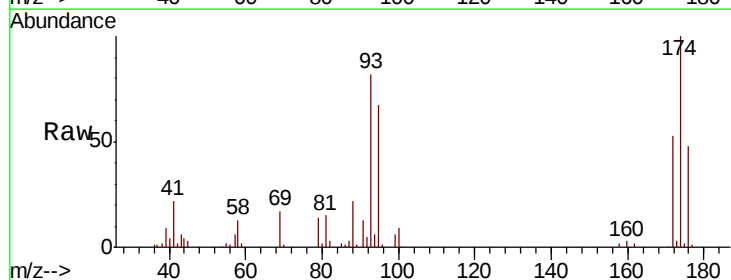
Instrument :
 MSVOA_W
 ClientSampleId :

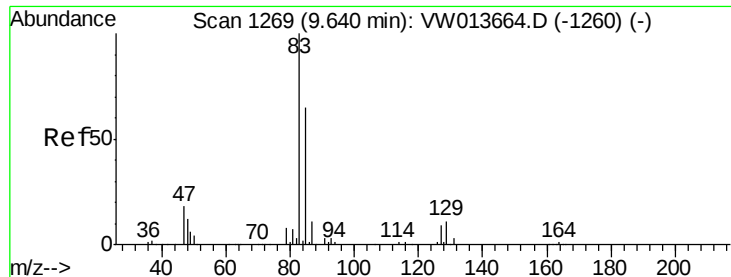
Tot Ion: 63 Resp: 51981
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.2 37.8



#46
 Dibromomethane
 Concen: 23.081 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Tgt Ion: 93 Resp: 26542
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.5 99.7
 174 120.9 99.6 149.4





#47

Bromodichloromethane

Concen: 21.495 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

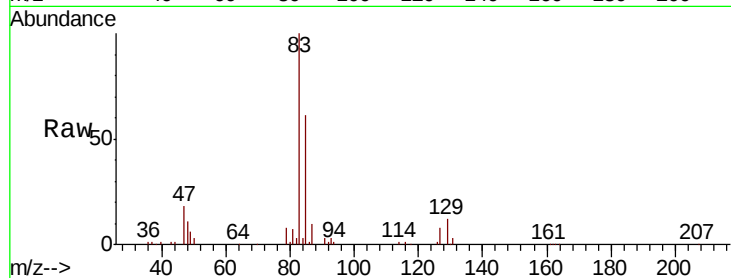
Tot Ion: 83 Resp: 63956

Ion Ratio Lower Upper

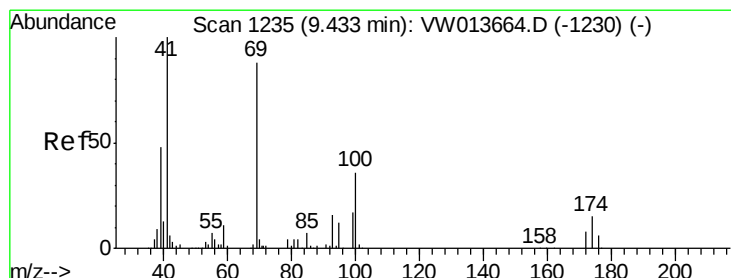
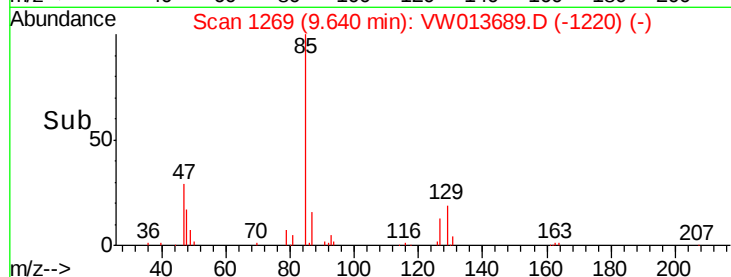
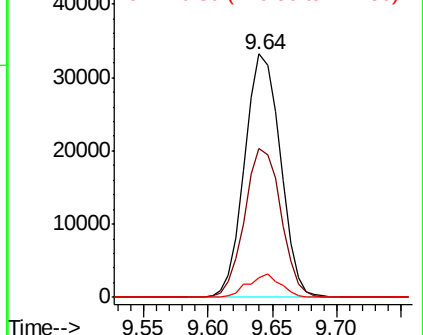
83 100

85 61.3 51.8 77.6

127 8.1 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): V



#48

Methyl methacrylate

Concen: 23.704 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

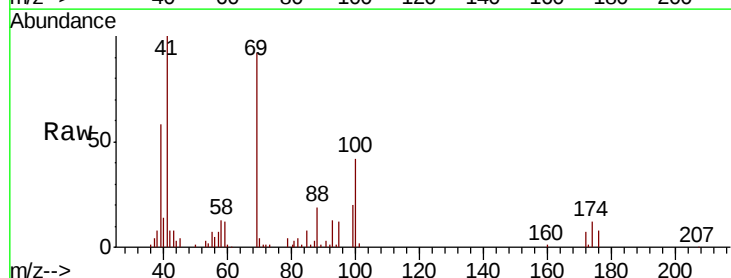
Tgt Ion: 41 Resp: 30189

Ion Ratio Lower Upper

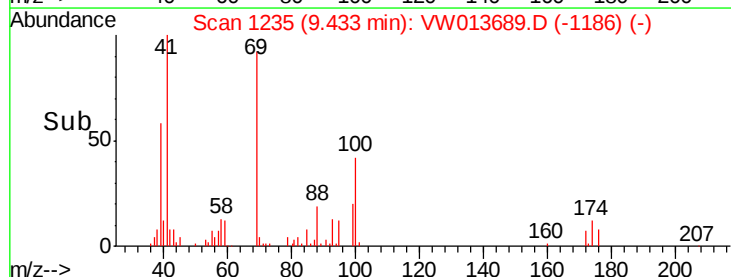
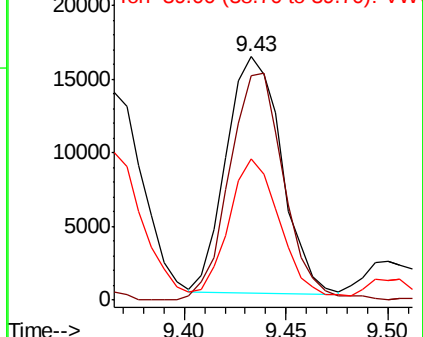
41 100

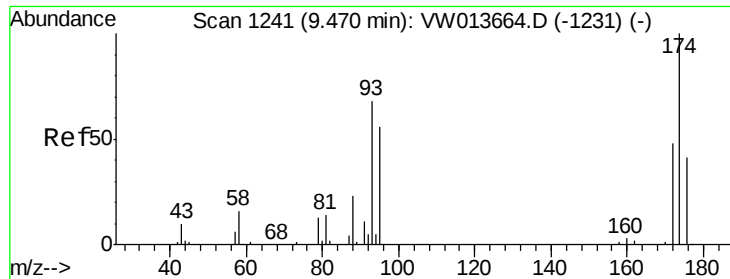
69 95.1 67.6 101.4

39 52.1 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

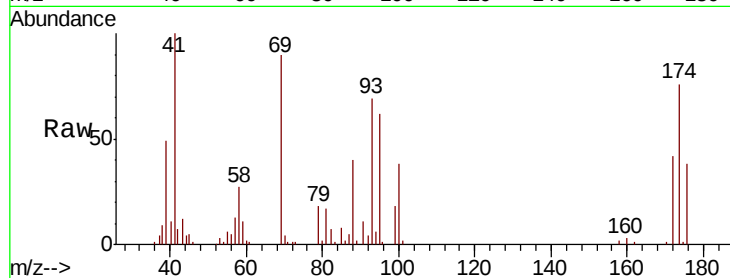




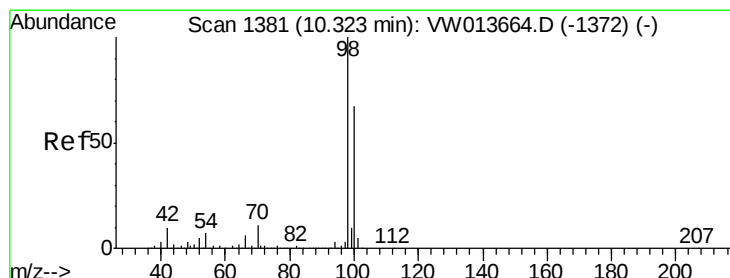
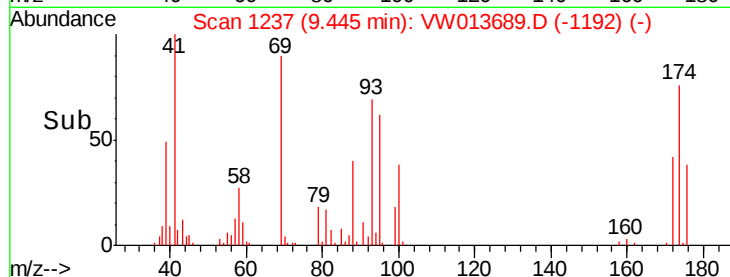
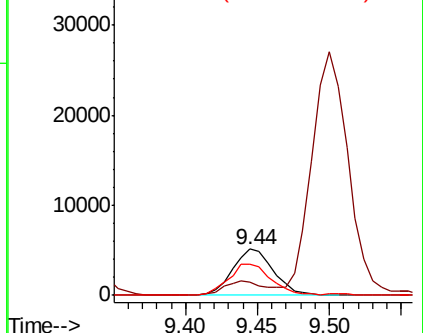
#49
1,4-Dioxane
Concen: 601.081 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 10214
Ion Ratio Lower Upper
88 100
43 32.0 0.0 0.0#
58 71.9 58.9 88.3

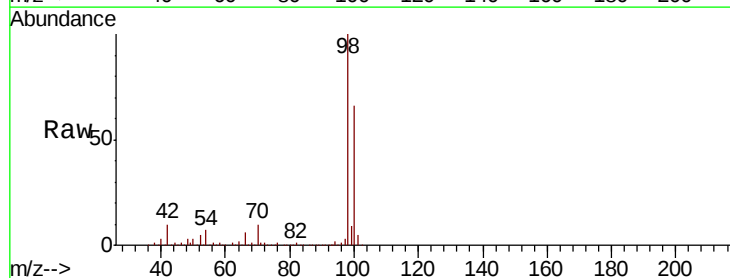


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

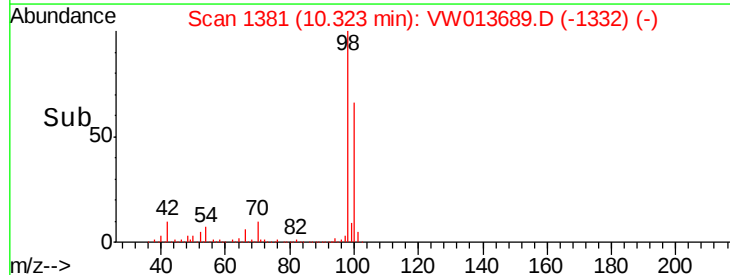
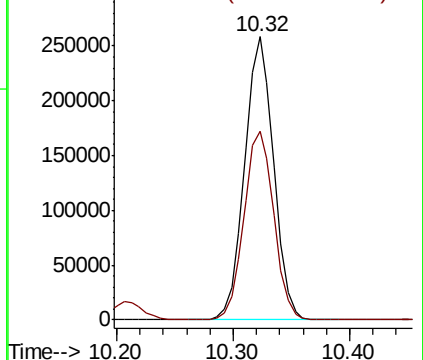


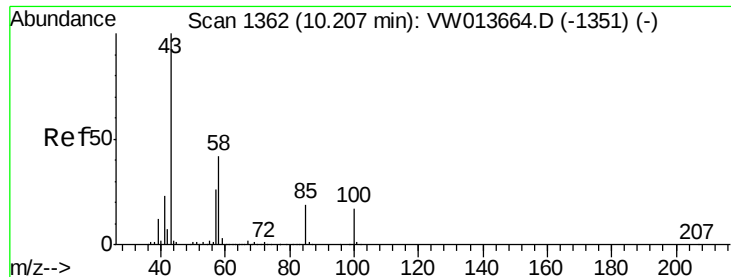
#50
Toluene-d8
Concen: 52.663 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion: 98 Resp: 448753
Ion Ratio Lower Upper
98 100
100 68.3 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: 132.358 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

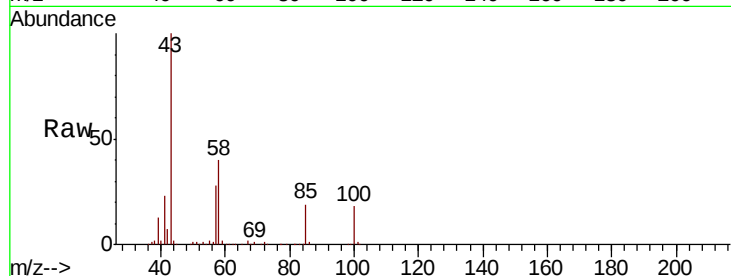
ClientSampleId :

Tot Ion: 43 Resp: 168915

Ion Ratio Lower Upper

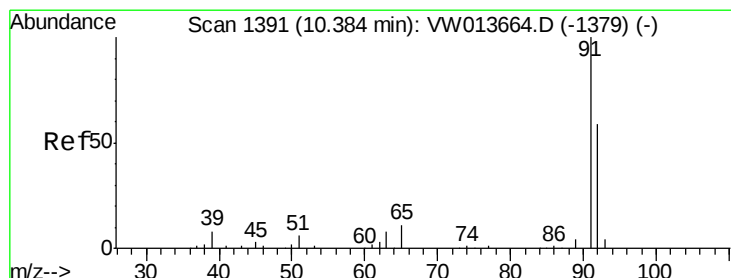
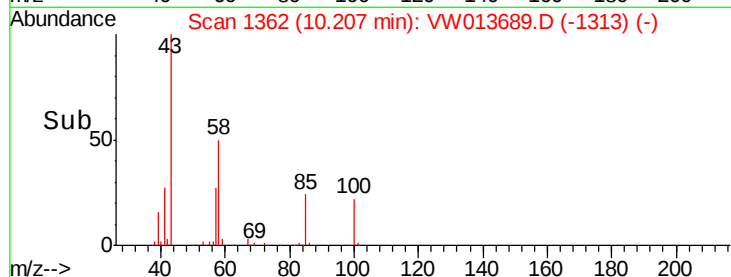
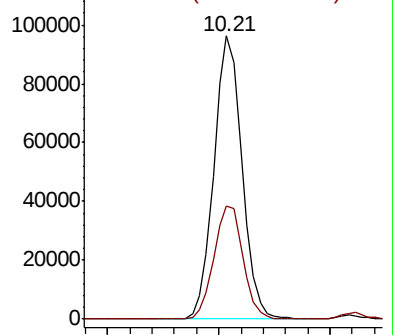
43 100

58 41.4 32.6 49.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.571 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013689.D

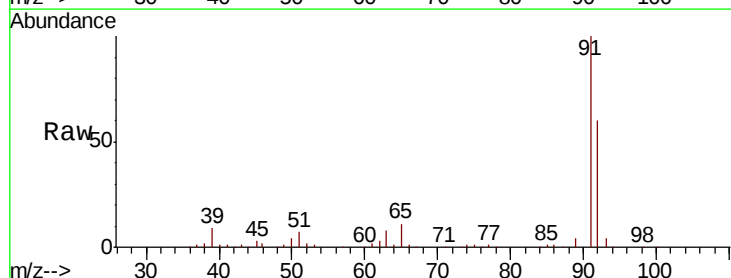
Acq: 24 Oct 2019 02:13

Tgt Ion: 92 Resp: 131620

Ion Ratio Lower Upper

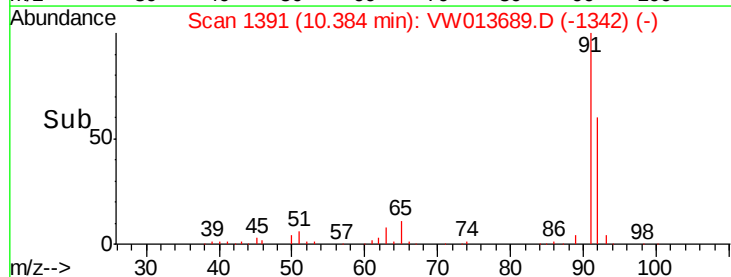
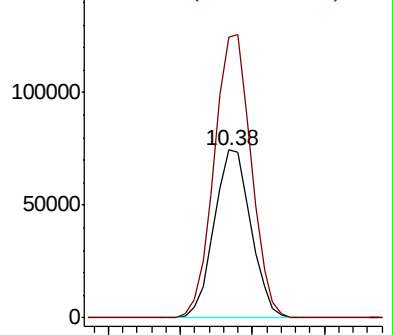
92 100

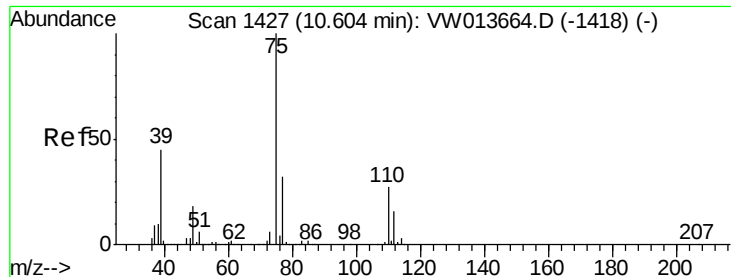
91 170.0 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 21.573 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

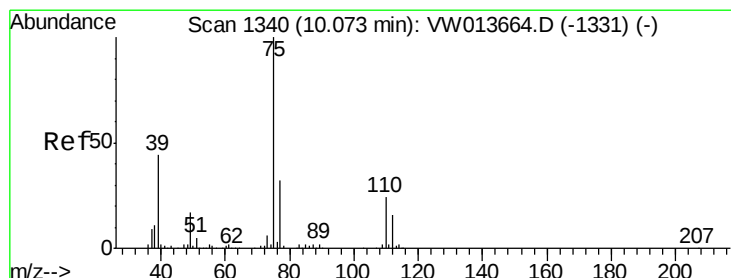
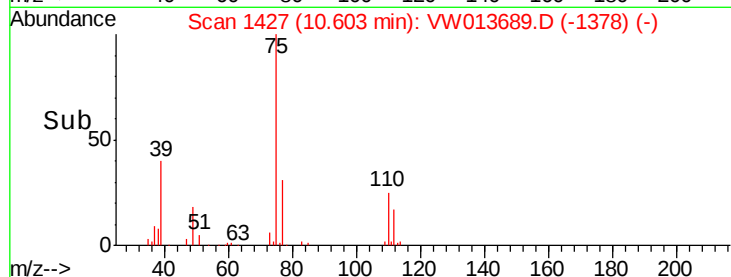
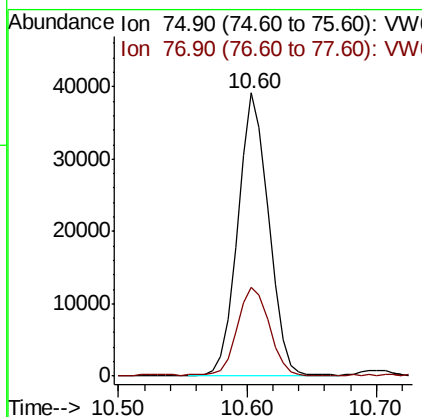
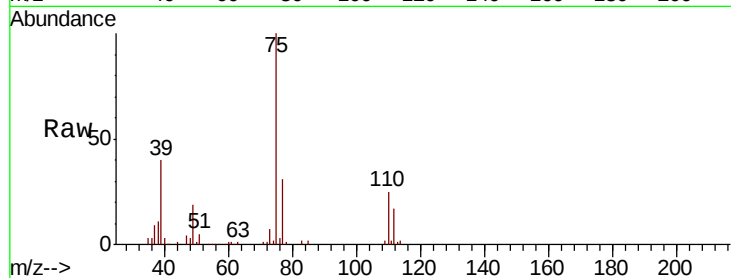
ClientSampleId :

Tot Ion: 75 Resp: 64980

Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 21.024 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

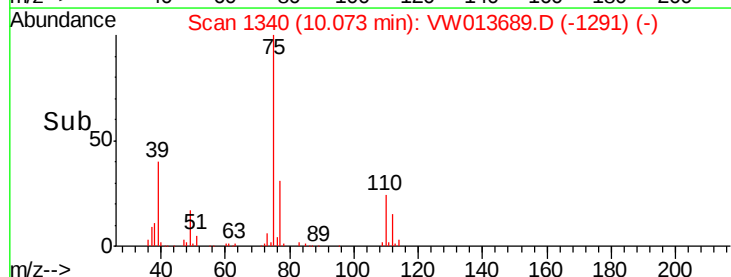
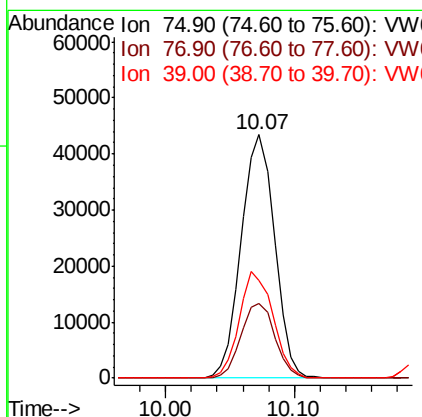
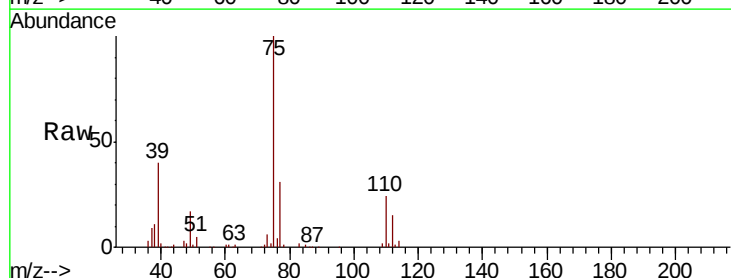
Tgt Ion: 75 Resp: 78130

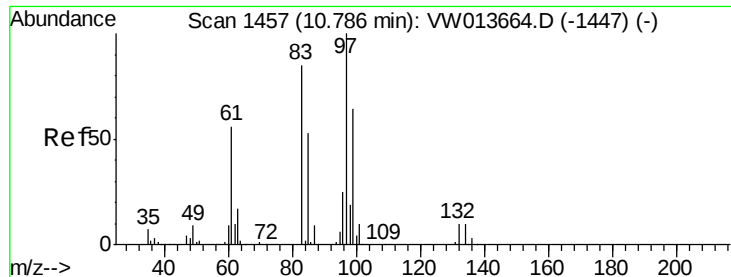
Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.6

39 40.2 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 22.916 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 39274

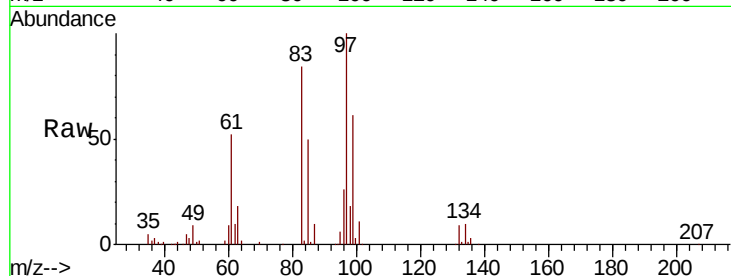
Ion Ratio Lower Upper

97 100

83 83.9 67.8 101.8

85 50.0 42.1 63.1

99 61.3 51.4 77.0

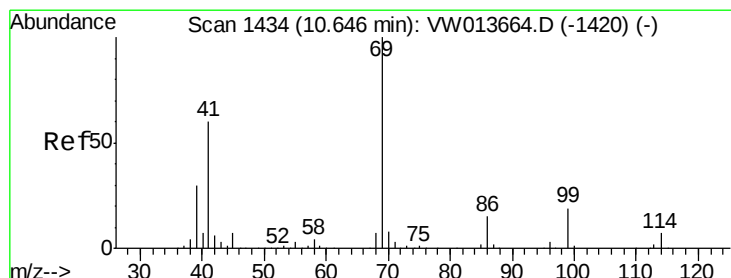
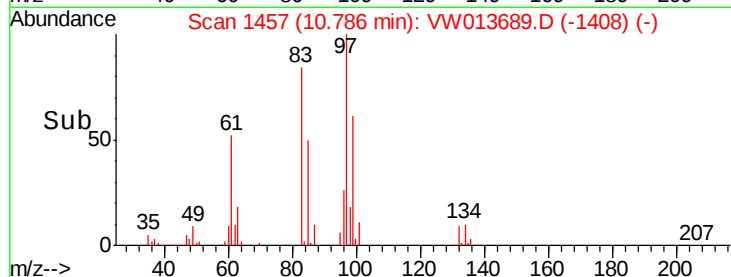
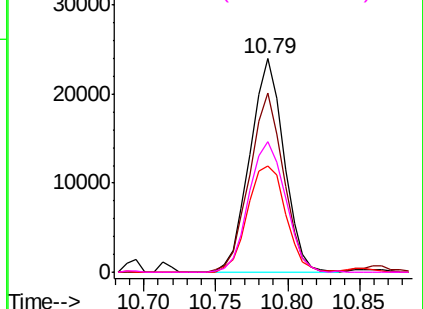


Abundance Ion 96.90 (96.60 to 97.60): VW

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



#56

Ethyl methacrylate

Concen: 24.249 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

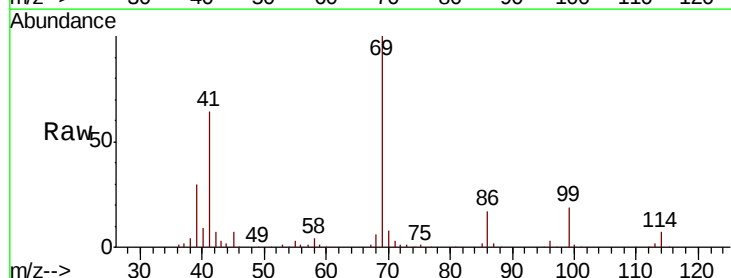
Tgt Ion: 69 Resp: 51994

Ion Ratio Lower Upper

69 100

41 65.1 51.6 77.4

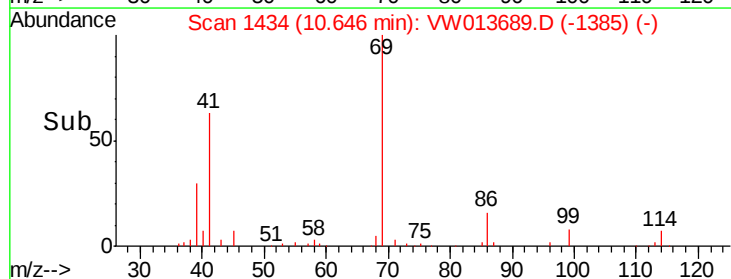
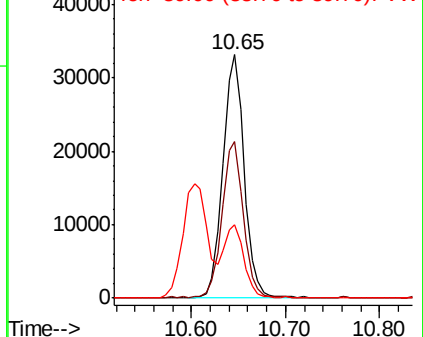
39 27.5 22.4 33.6

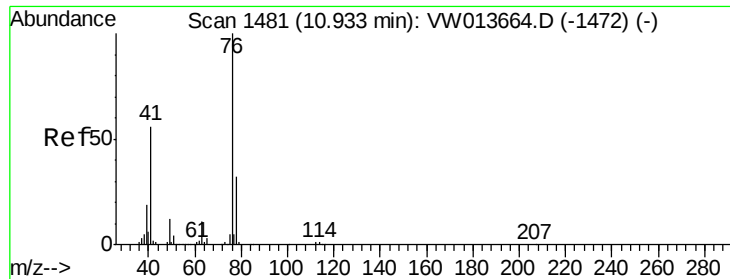


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

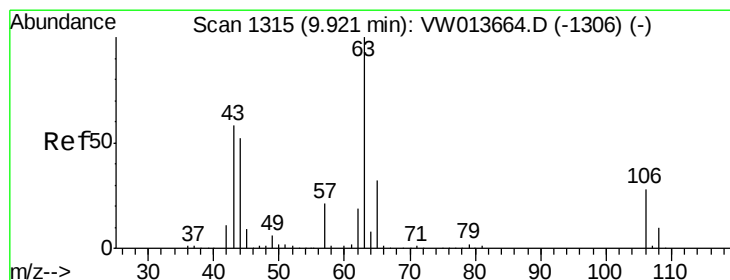
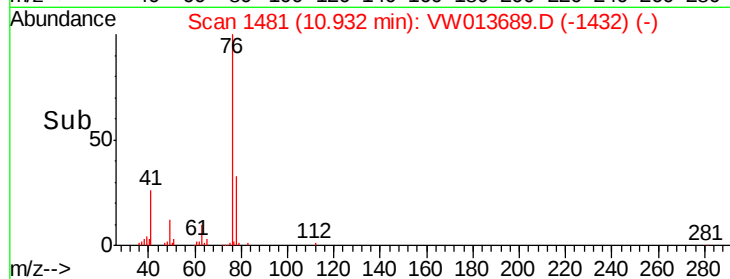
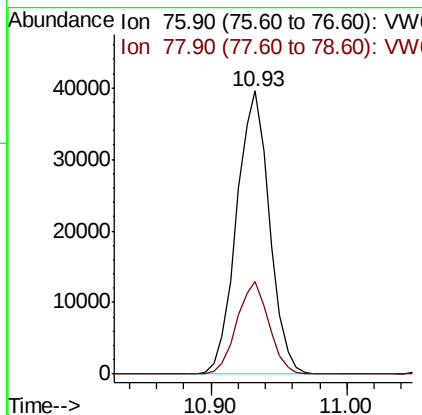
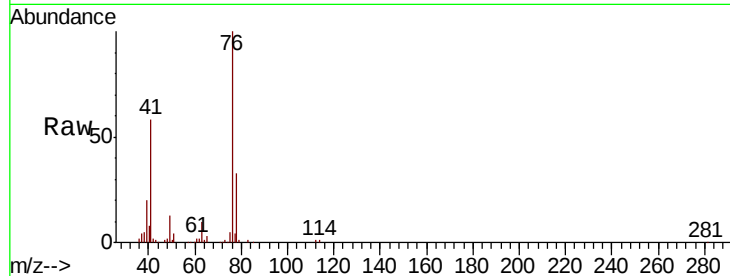




#57
 1,3-Dichloropropane
 Concen: 22.653 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

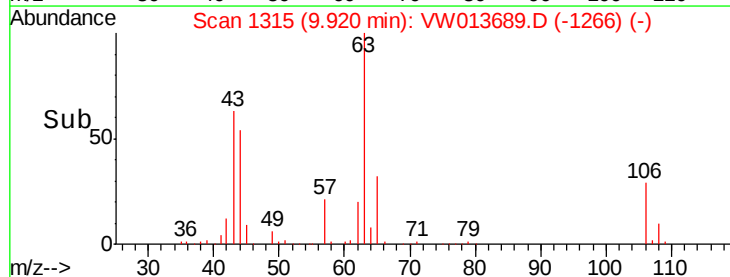
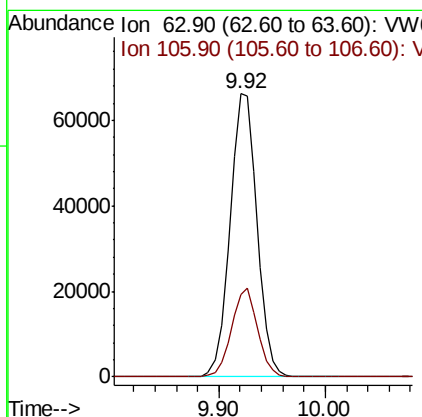
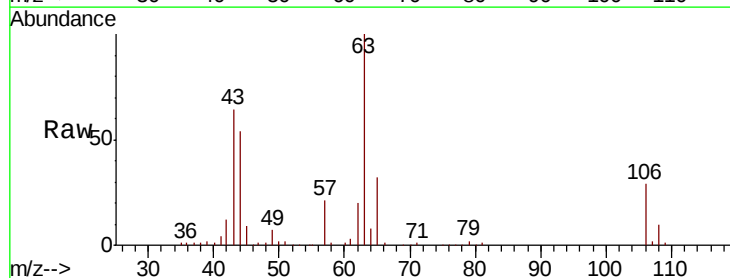
Instrument :
 MSVOA_W
 ClientSampled :

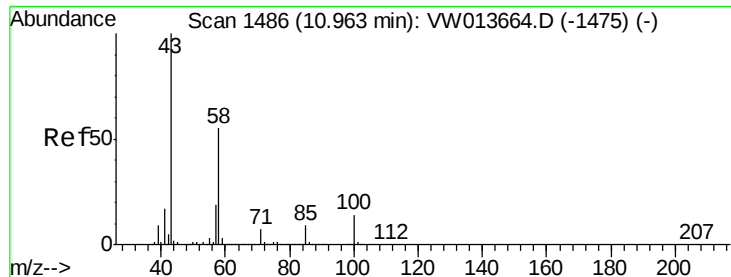
Tot Ion: 76 Resp: 66623
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.769 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Tgt Ion: 63 Resp: 117205
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.8 35.8

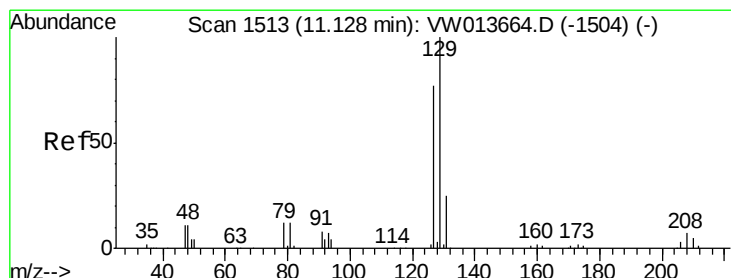
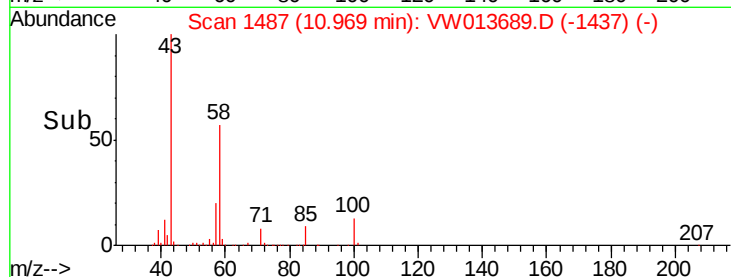
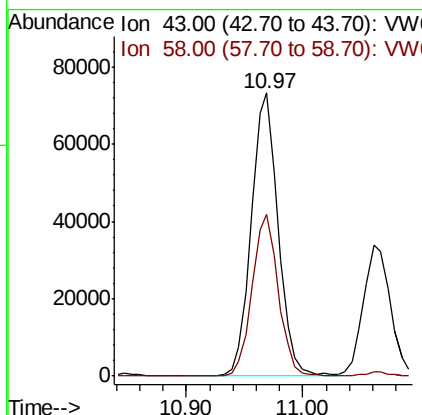
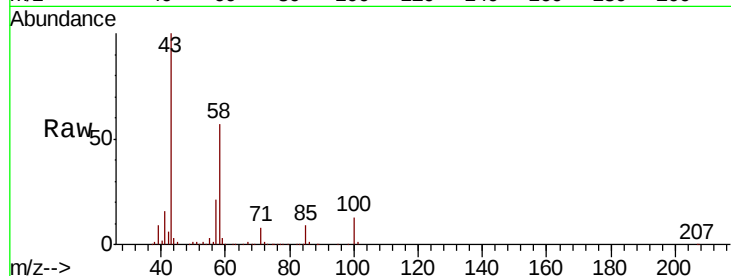




#59
2-Hexanone
Concen: 133.980 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

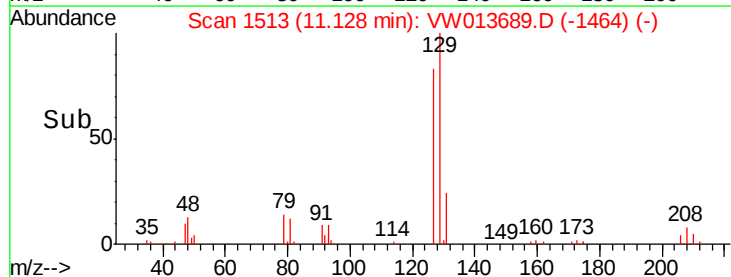
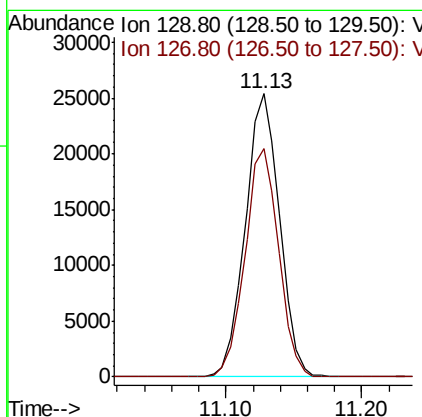
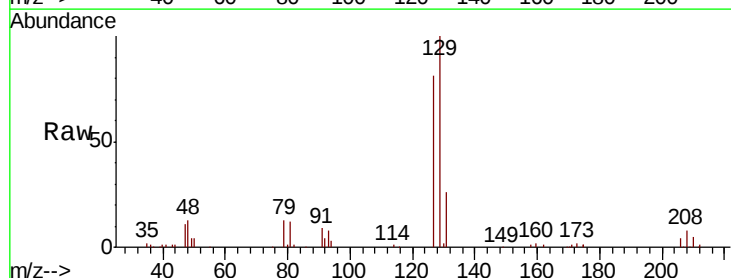
Instrument :
MSVOA_W
ClientSampleId :

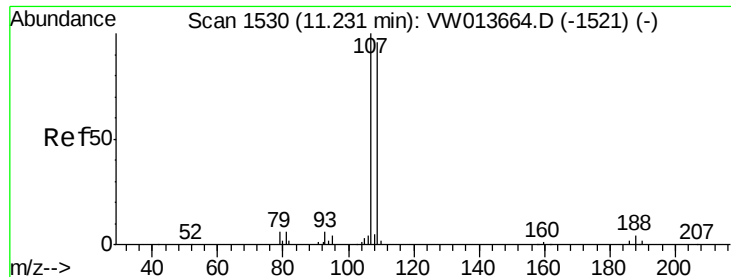
Tot Ion: 43 Resp: 117876
Ion Ratio Lower Upper
43 100
58 55.8 27.9 83.7



#60
Dibromochloromethane
Concen: 22.011 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion:129 Resp: 44788
Ion Ratio Lower Upper
129 100
127 79.3 38.9 116.7

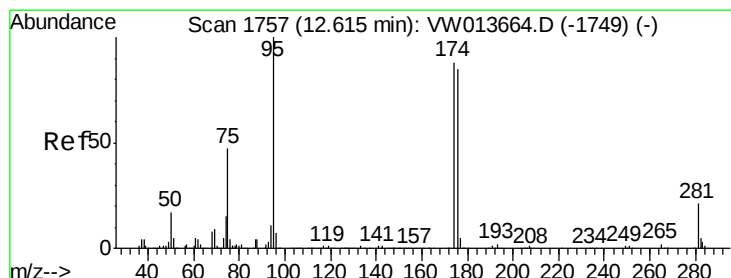
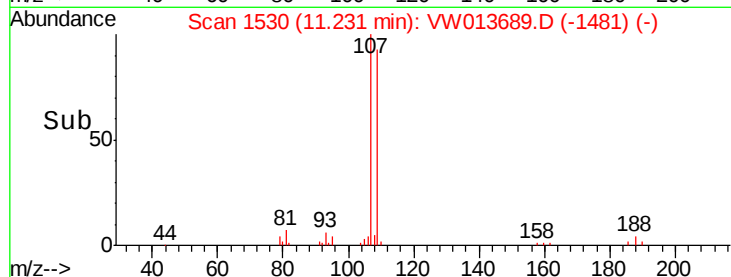
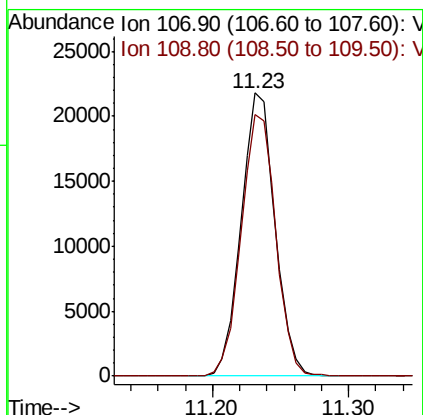
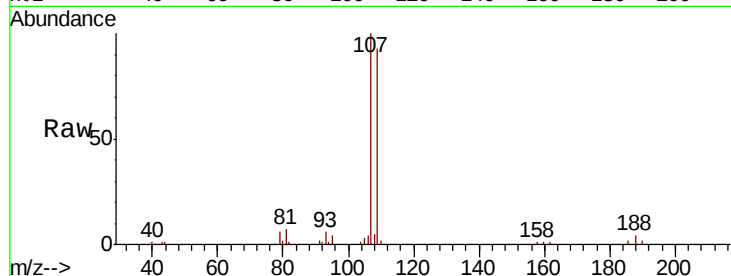




#61
1,2-Dibromoethane
Concen: 23.369 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

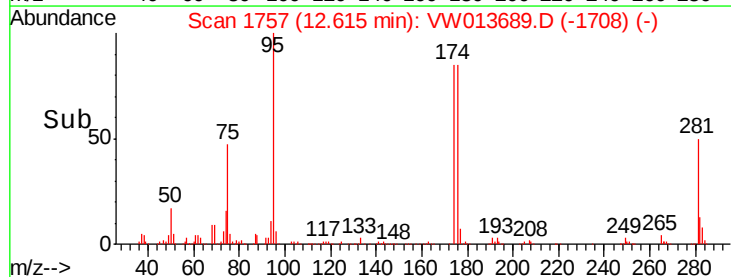
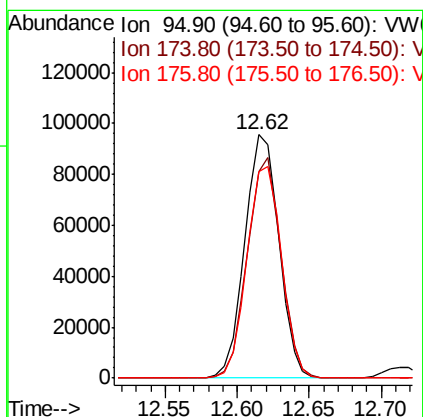
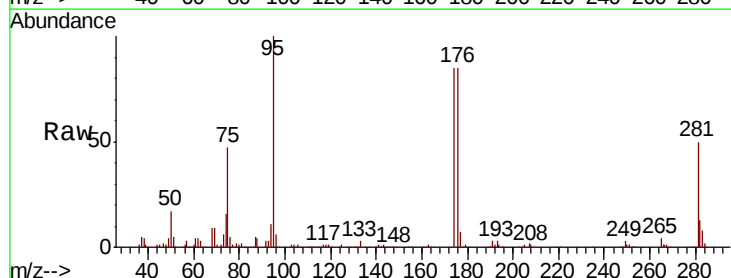
Instrument :
MSVOA_W
ClientSampleId :

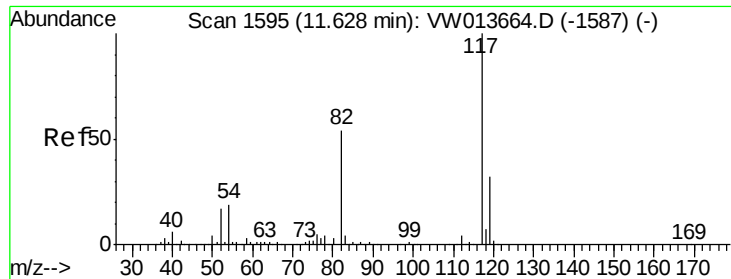
Tot Ion:107 Resp: 37889
Ion Ratio Lower Upper
107 100
109 94.5 75.7 113.5



#62
4-Bromofluorobenzene
Concen: 54.217 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion: 95 Resp: 156433
Ion Ratio Lower Upper
95 100
174 89.0 0.0 183.6
176 88.1 0.0 178.0

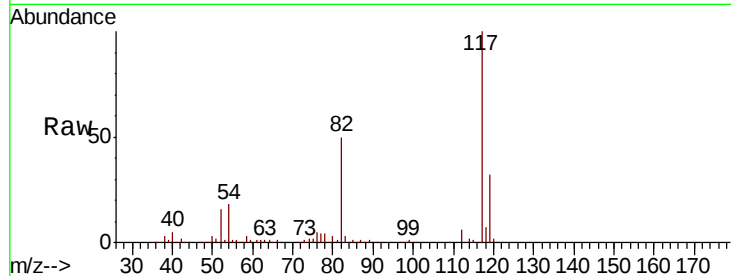




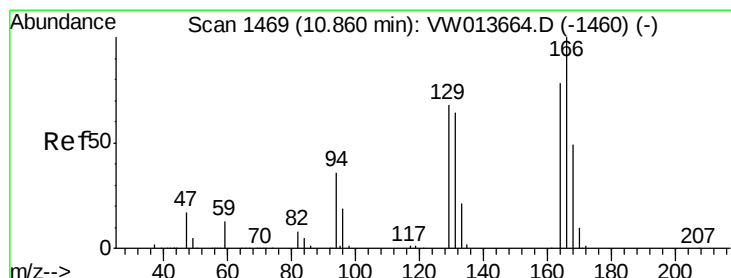
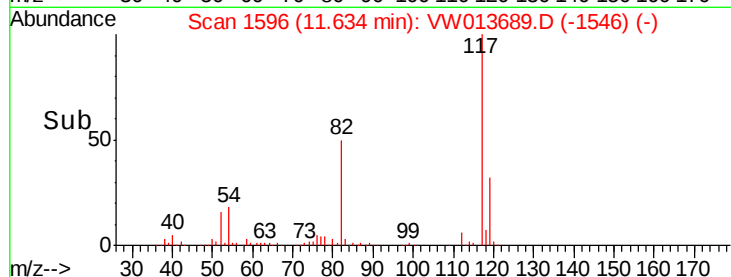
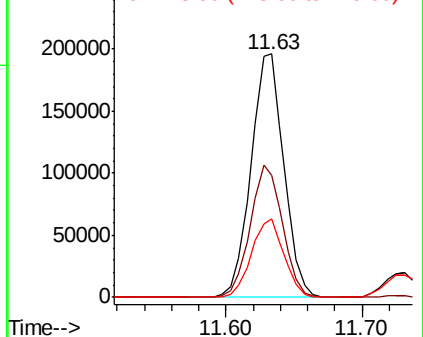
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 331806
Ion Ratio Lower Upper
117 100
82 49.9 43.6 65.4
119 32.5 25.4 38.2

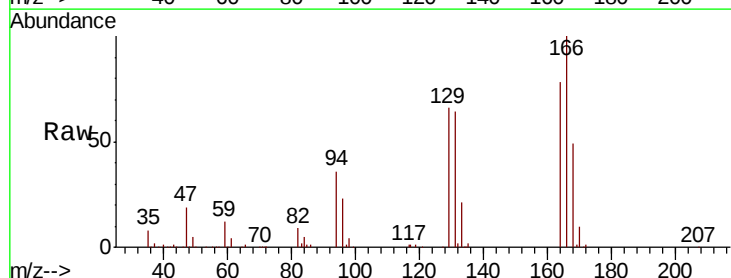


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

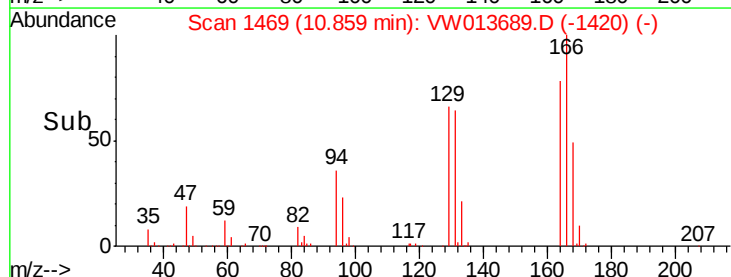
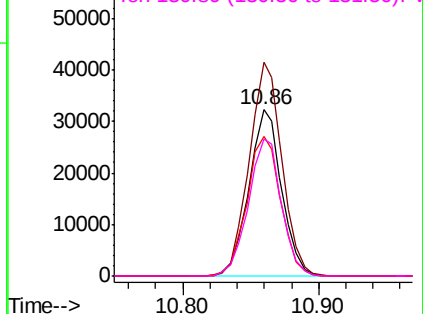


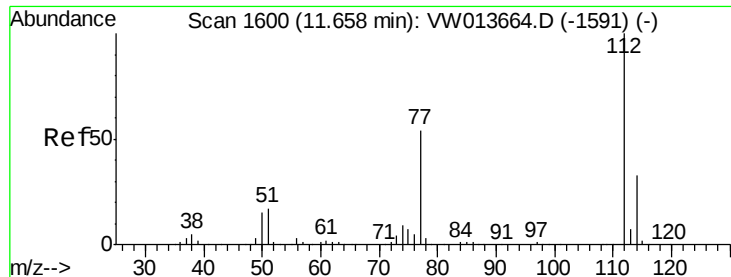
#64
Tetrachloroethene
Concen: 21.366 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion:164 Resp: 54165
Ion Ratio Lower Upper
164 100
166 128.8 103.2 154.8
129 84.5 70.6 105.8
131 82.7 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

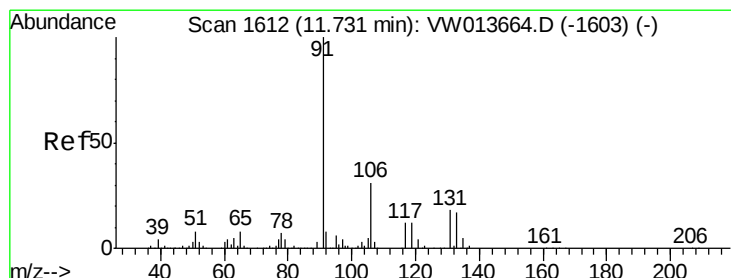
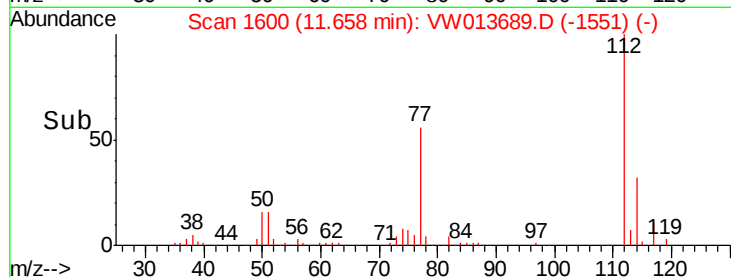
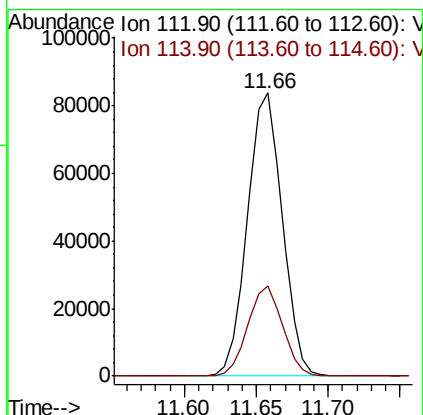
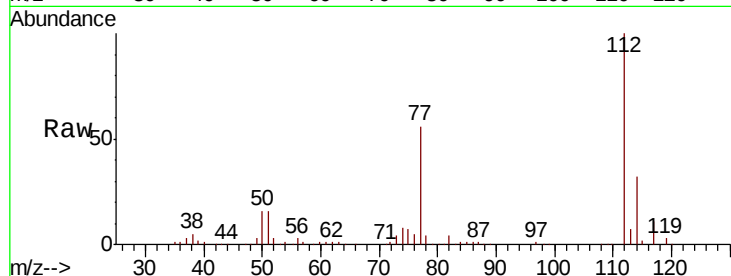




#65
Chlorobenzene
Concen: 20.532 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

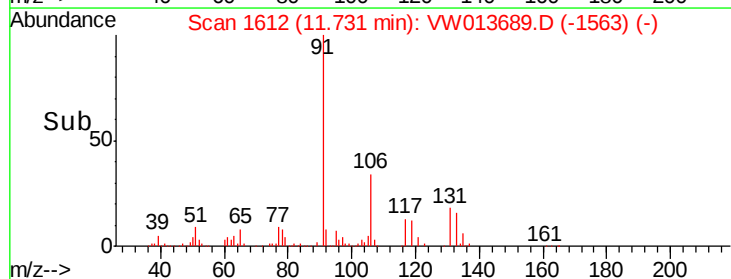
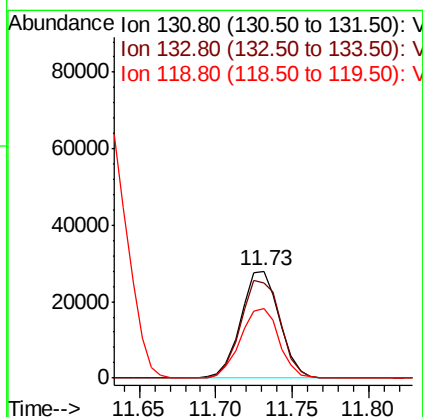
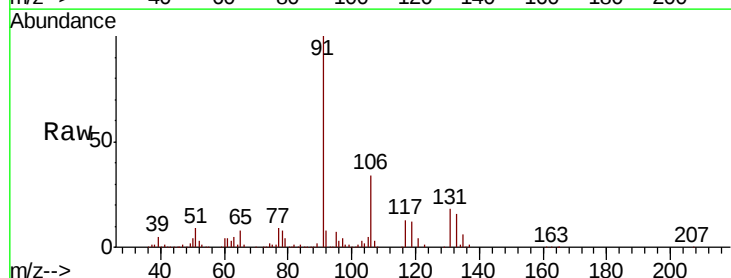
Instrument :
MSVOA_W
ClientSampleId :

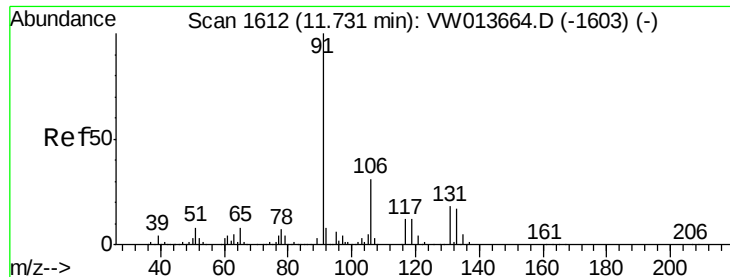
Tot Ion:112 Resp: 139996
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.531 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion:131 Resp: 48855
Ion Ratio Lower Upper
131 100
133 94.7 47.4 142.3
119 65.6 33.1 99.2

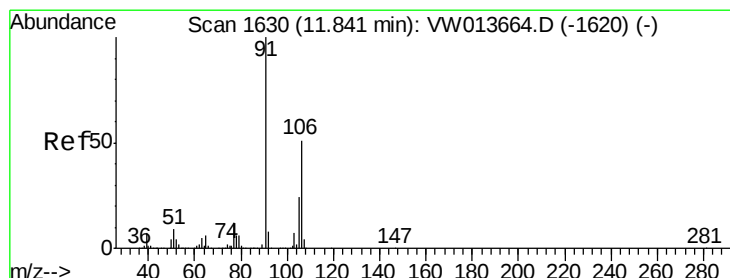
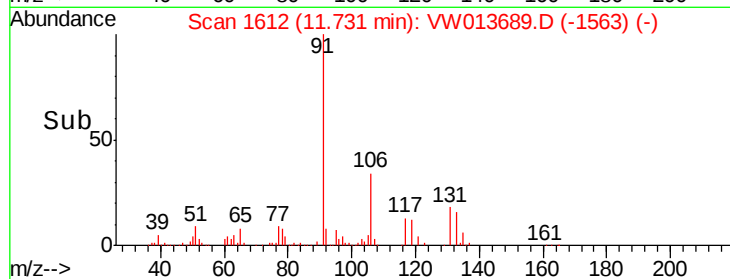
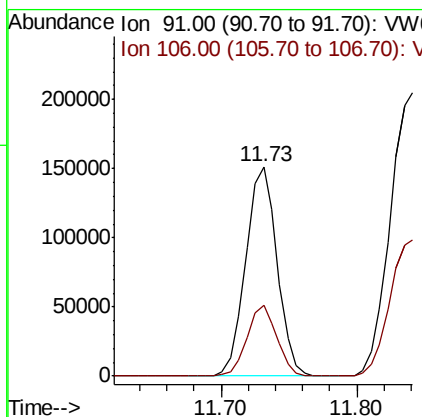
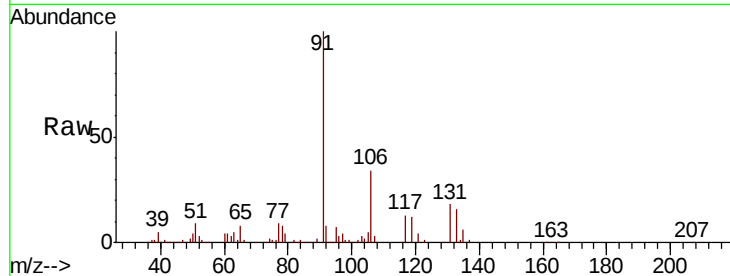




#67
Ethyl Benzene
Concen: 19.874 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

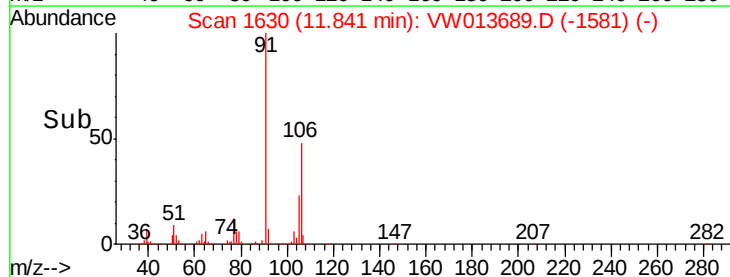
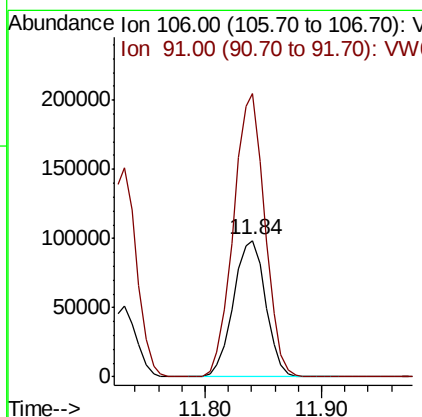
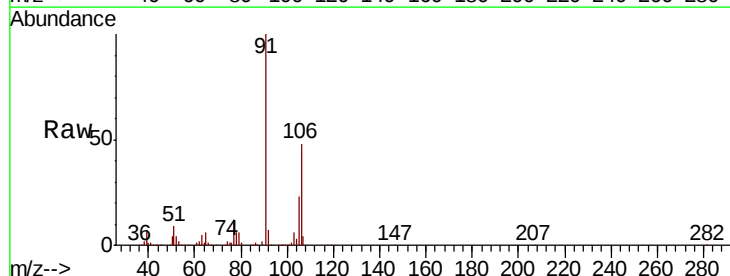
Instrument :
MSVOA_W
ClientSampled :

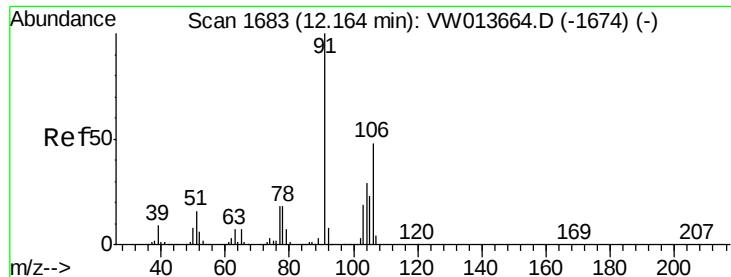
Tot Ion: 91 Resp: 244343
Ion Ratio Lower Upper
91 100
106 33.8 25.0 37.6



#68
m/p-Xylenes
Concen: 40.074 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion: 106 Resp: 190356
Ion Ratio Lower Upper
106 100
91 201.6 159.2 238.8

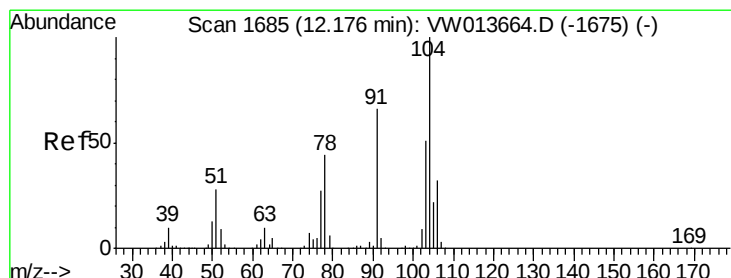
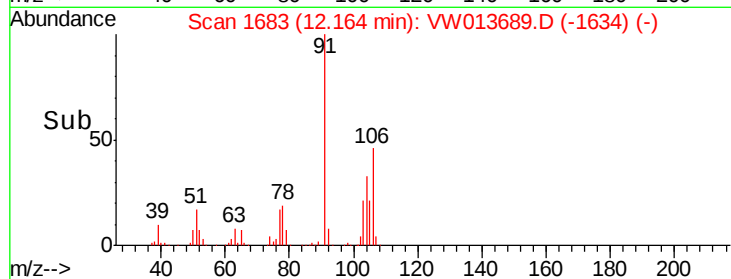
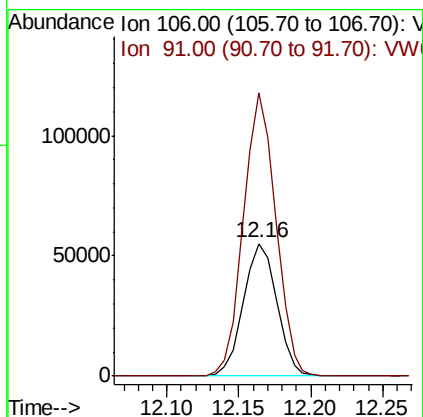
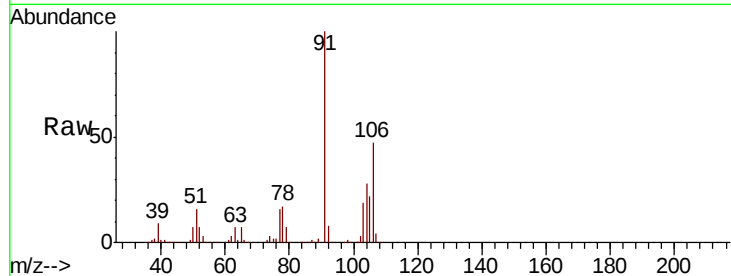




#69
o-Xylene
Concen: 20.276 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

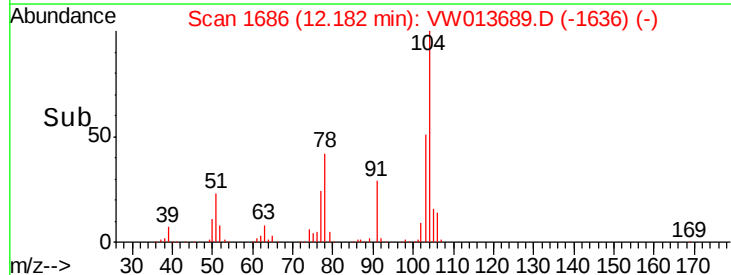
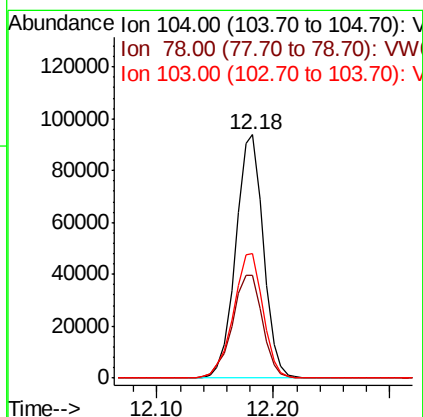
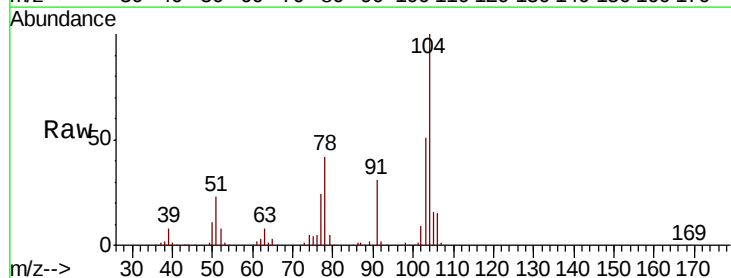
Instrument :
MSVOA_W
ClientSampleId :

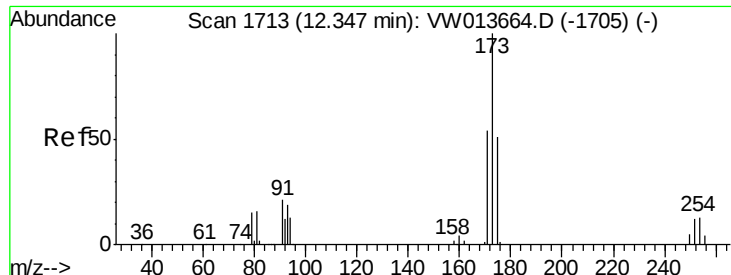
Tot Ion:106 Resp: 88527
Ion Ratio Lower Upper
106 100
91 207.3 104.9 314.7



#70
Styrene
Concen: 20.698 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion:104 Resp: 155268
Ion Ratio Lower Upper
104 100
78 46.4 37.1 55.7
103 54.9 43.6 65.4





#71

Bromoform

Concen: 22.891 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

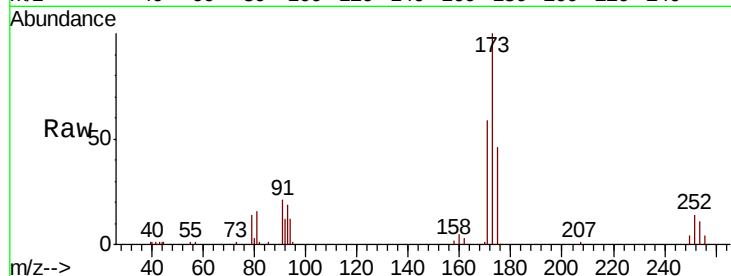
Tot Ion:173 Resp: 28585

Ion Ratio Lower Upper

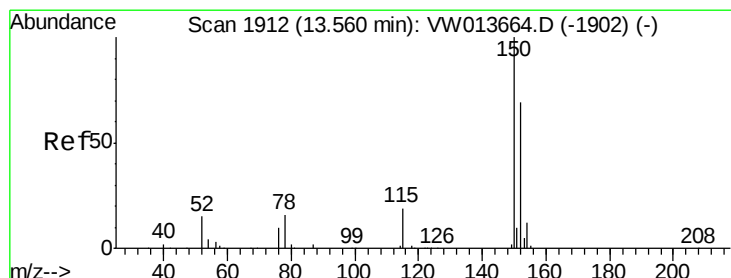
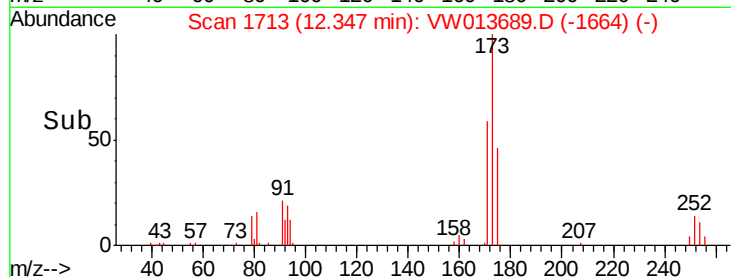
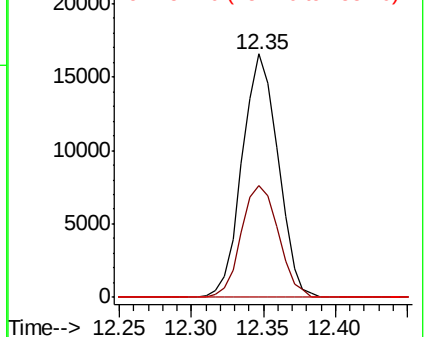
173 100

175 47.4 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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

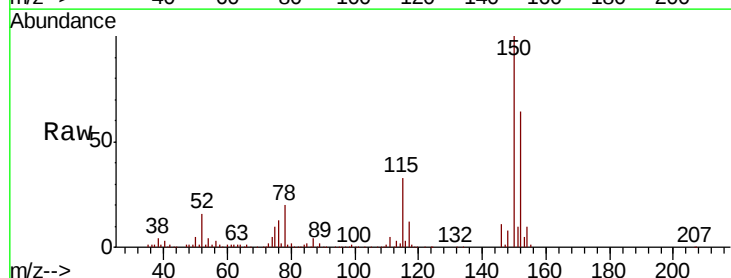
Tgt Ion:152 Resp: 171556

Ion Ratio Lower Upper

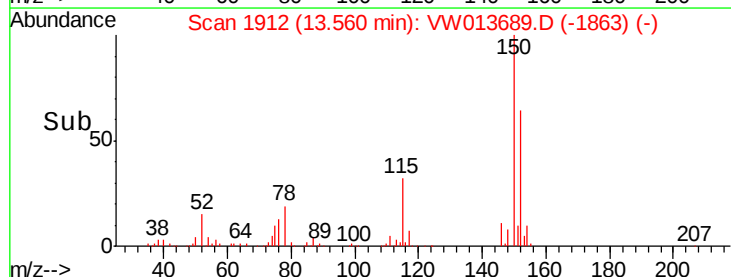
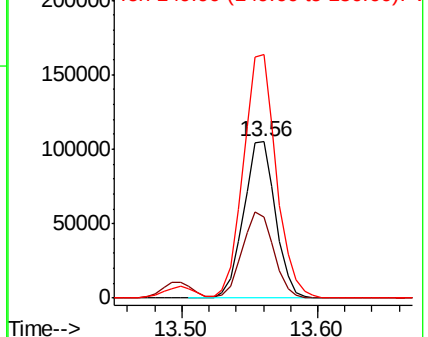
152 100

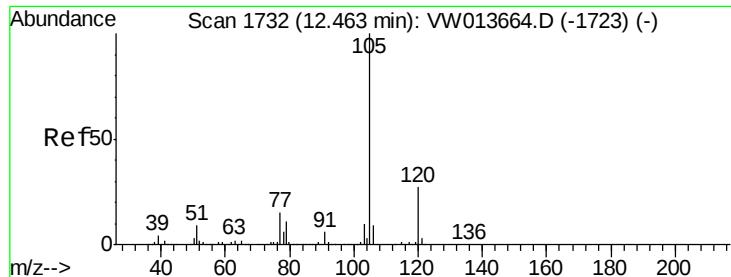
115 54.8 27.4 82.2

150 161.4 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: 19.785 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

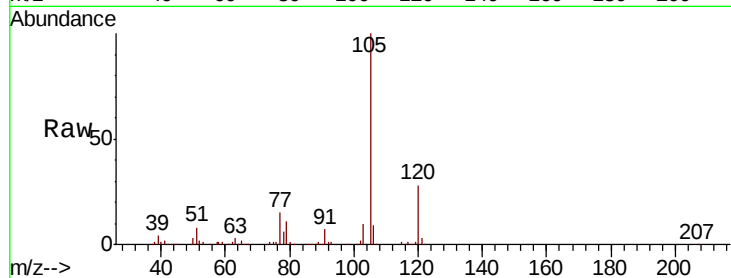
ClientSampleId :

Tot Ion:105 Resp: 243758

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

150000

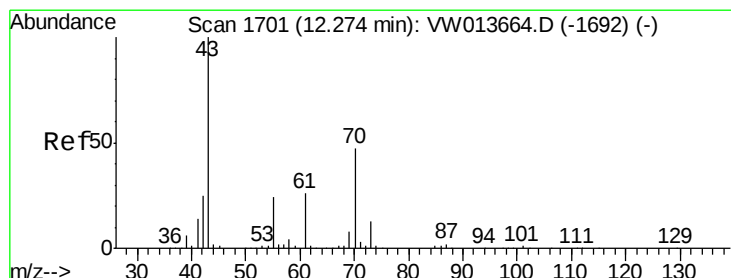
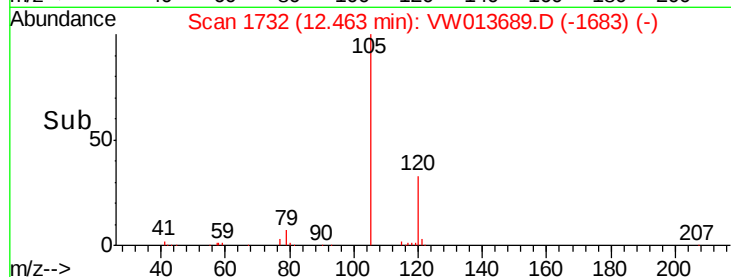
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 23.961 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Tgt Ion: 43 Resp: 57103

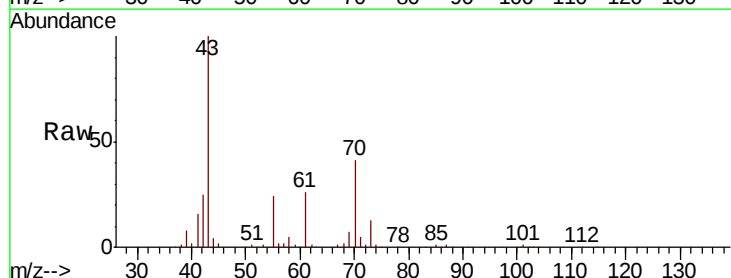
Ion Ratio Lower Upper

43 100

70 45.5 36.6 55.0

55 24.2 20.3 30.5

61 25.1 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

50000

40000

30000

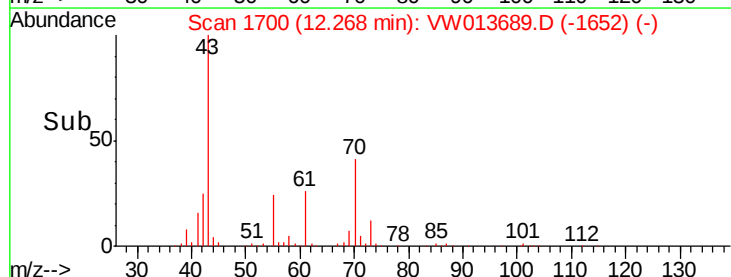
20000

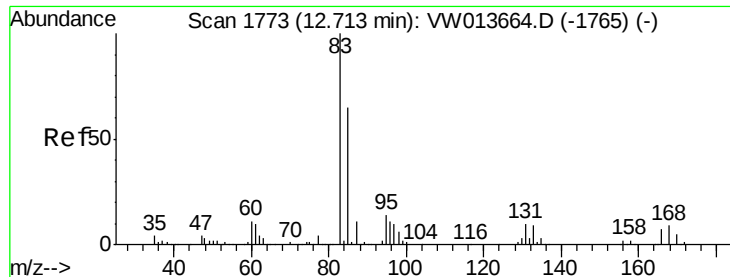
10000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 24.127 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

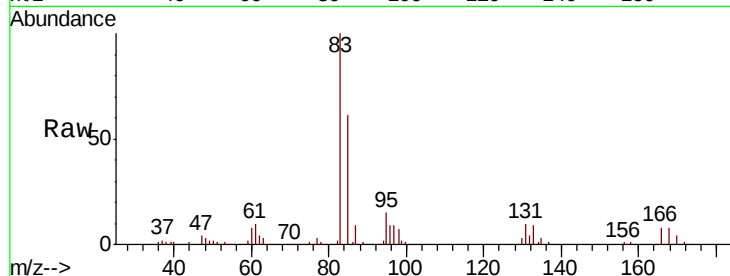
Tot Ion: 83 Resp: 46907

Ion Ratio Lower Upper

83 100

131 11.0 5.7 17.1

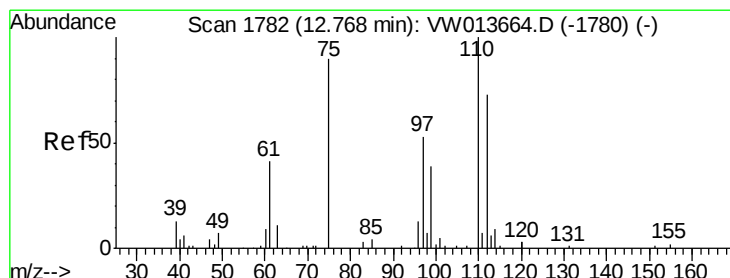
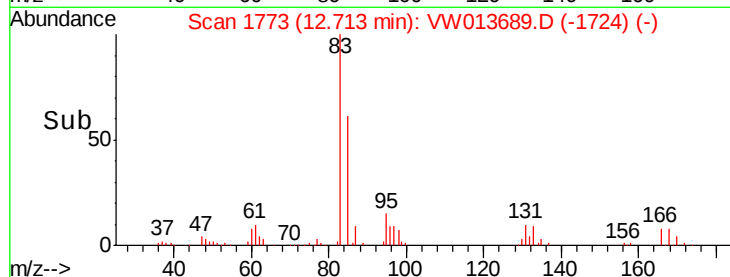
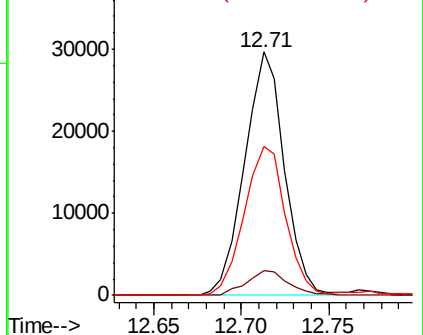
85 63.7 32.5 97.4



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: 47.030 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013689.D

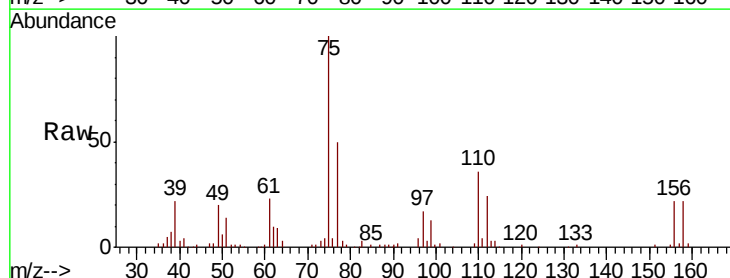
Acq: 24 Oct 2019 02:13

Tgt Ion: 75 Resp: 57941

Ion Ratio Lower Upper

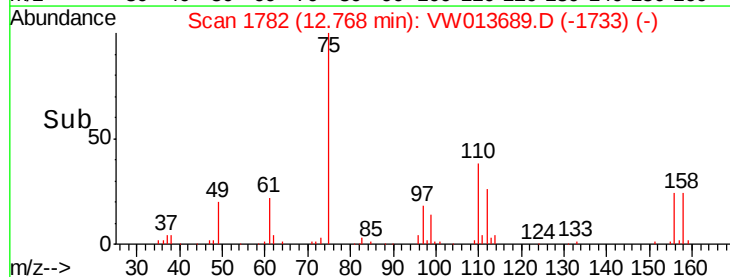
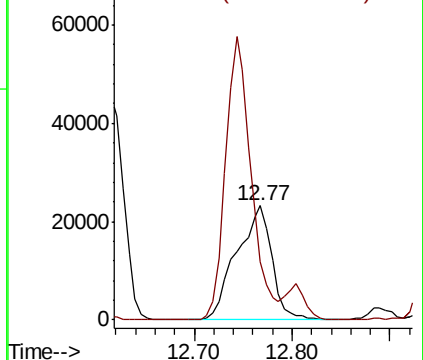
75 100

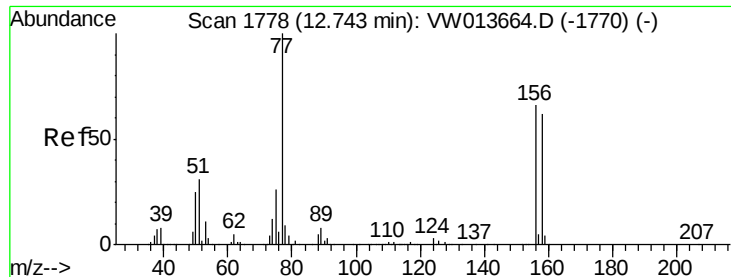
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.670 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampled :

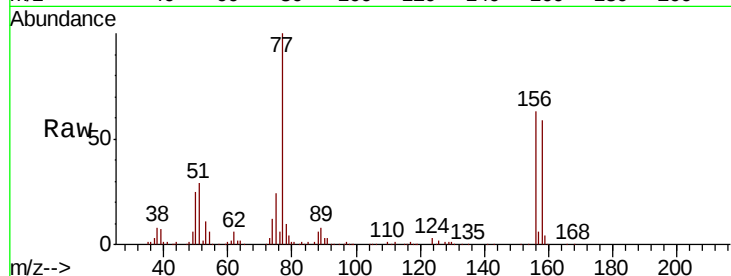
Tot Ion:156 Resp: 60835

Ion Ratio Lower Upper

156 100

77 172.6 82.9 248.7

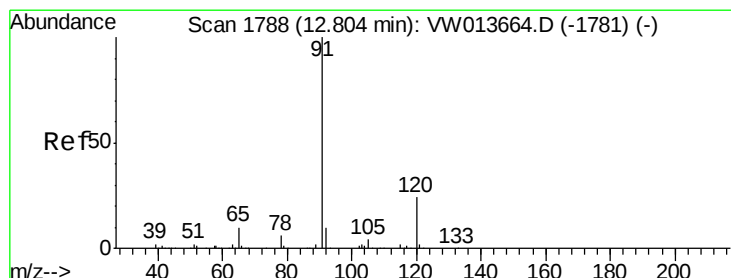
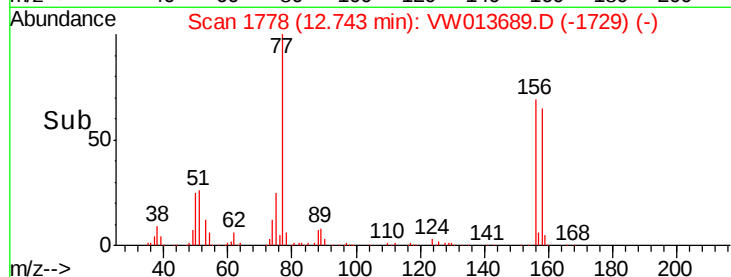
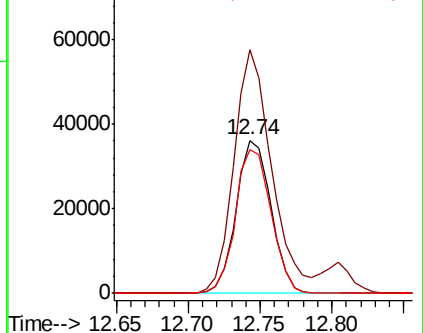
158 96.5 48.4 145.2



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: 20.065 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013689.D

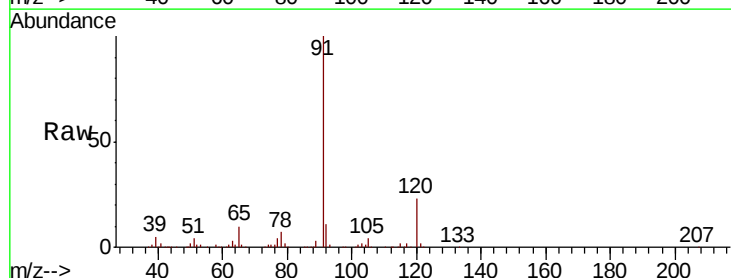
Acq: 24 Oct 2019 02:13

Tgt Ion: 91 Resp: 286114

Ion Ratio Lower Upper

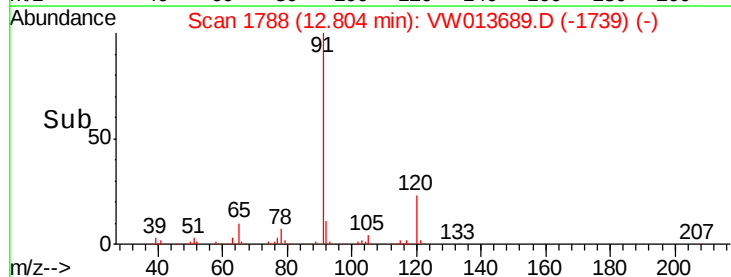
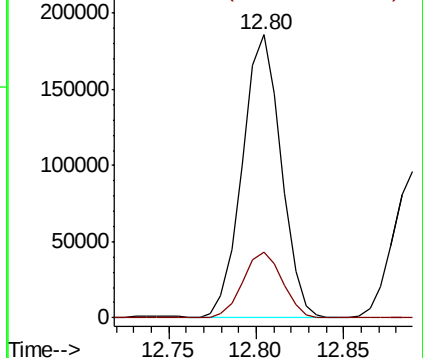
91 100

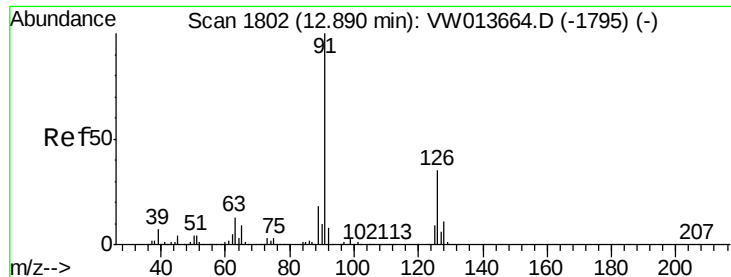
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.209 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

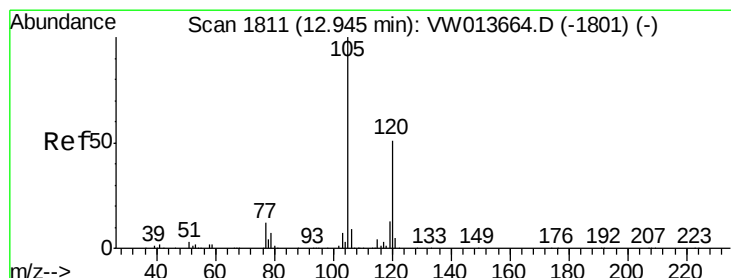
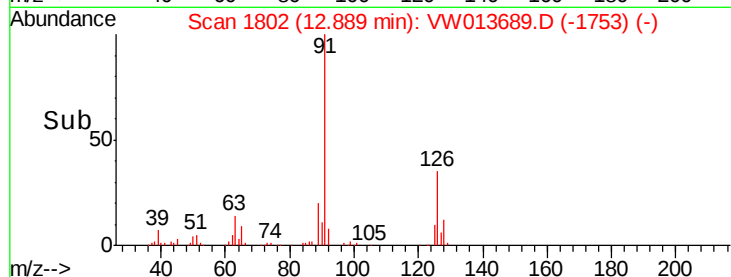
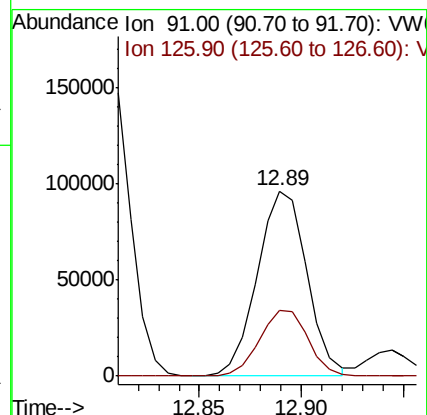
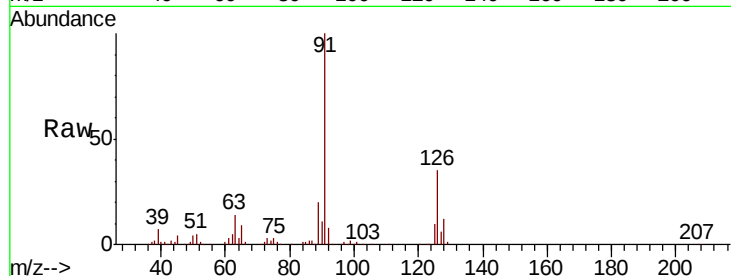
ClientSampleId :

Tot Ion: 91 Resp: 161941

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 19.889 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013689.D

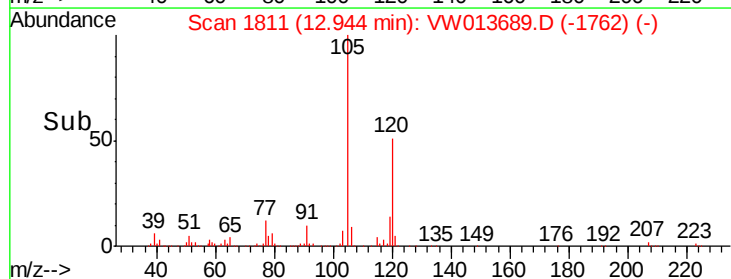
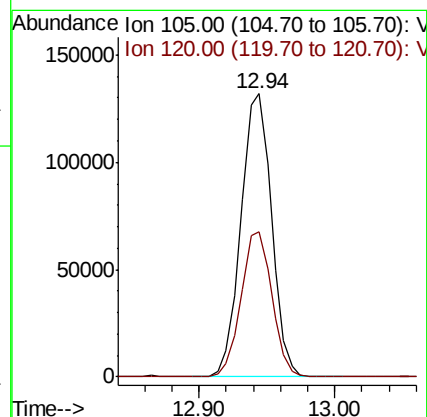
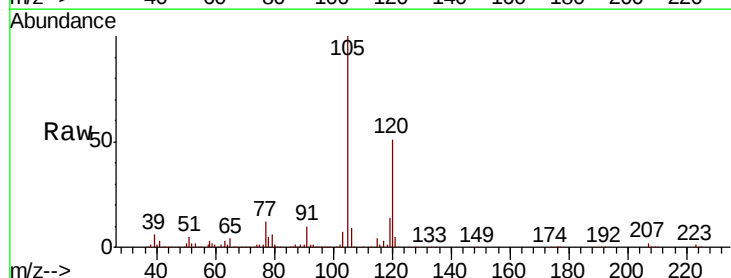
Acq: 24 Oct 2019 02:13

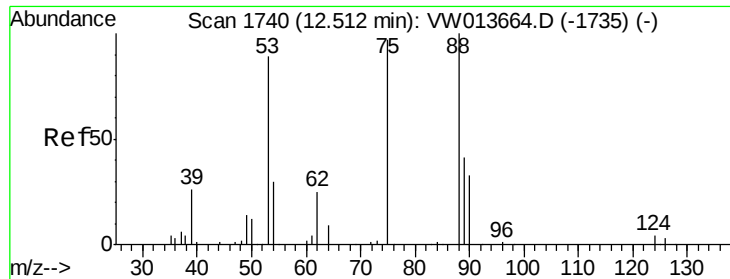
Tgt Ion:105 Resp: 206843

Ion Ratio Lower Upper

105 100

120 51.9 25.1 75.3

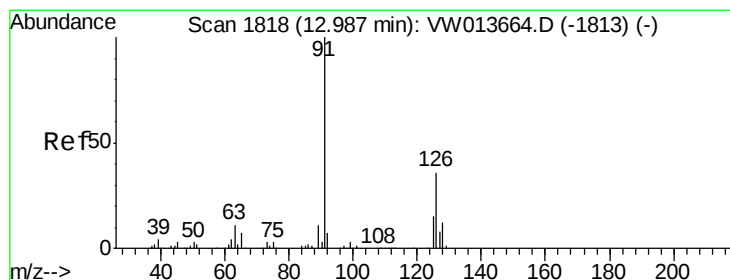
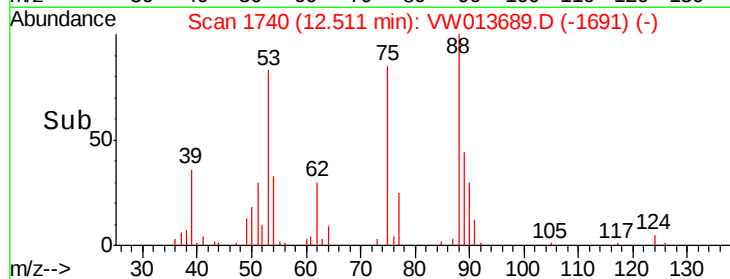
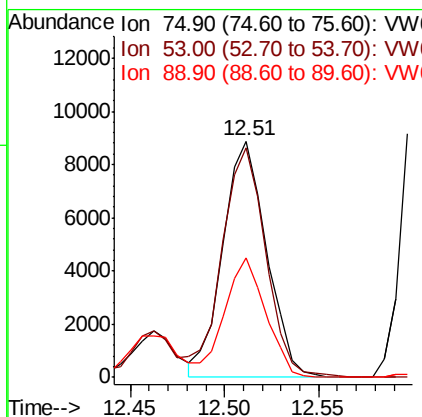
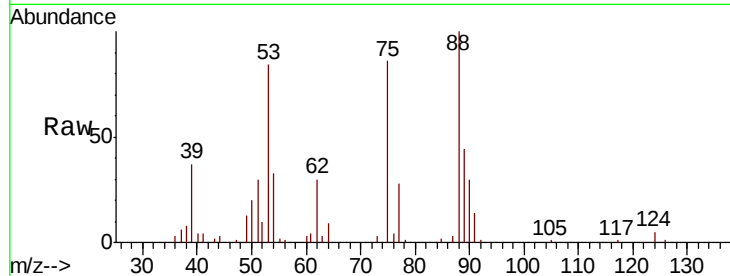




#81
trans-1,4-Dichloro-2-butene
Concen: 21.922 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

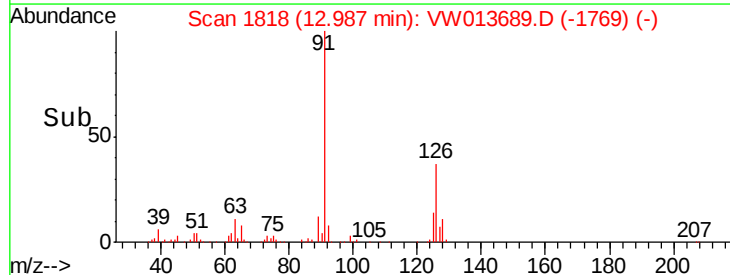
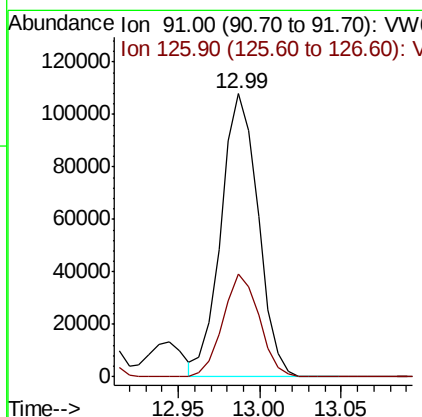
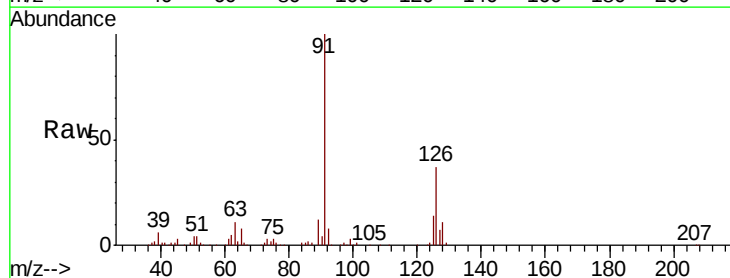
Instrument :
MSVOA_W
ClientSampleId :

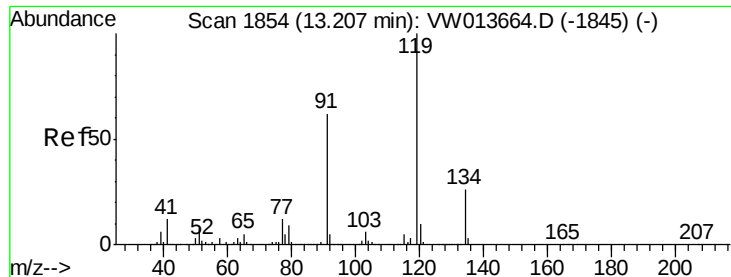
Tot Ion: 75 Resp: 14291
Ion Ratio Lower Upper
75 100
53 99.1 71.7 107.5
89 46.5 35.8 53.8



#82
4-Chlorotoluene
Concen: 20.285 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion: 91 Resp: 170656
Ion Ratio Lower Upper
91 100
126 35.7 17.2 51.5

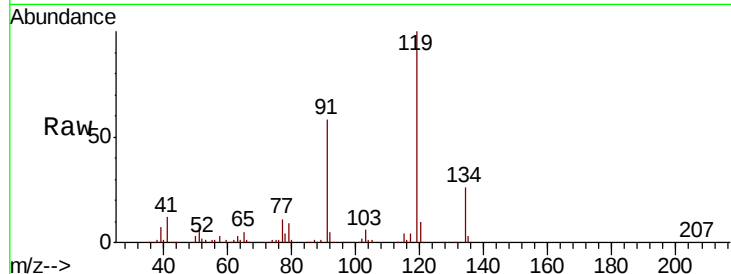




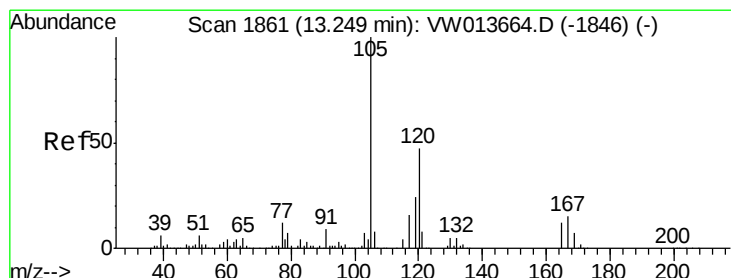
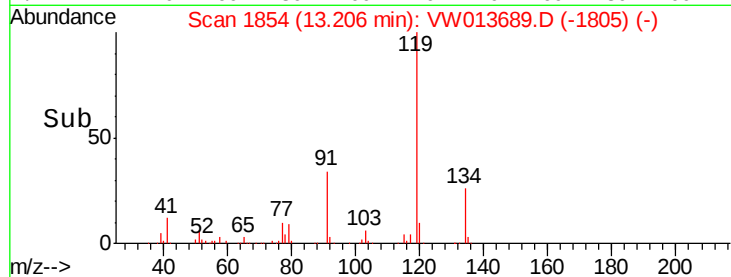
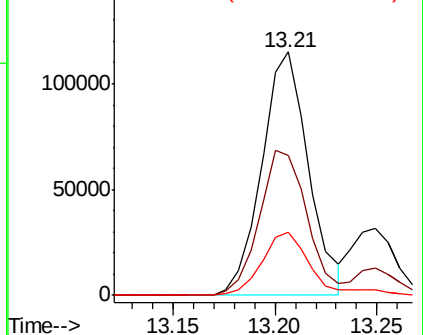
#83
tert-Butylbenzene
Concen: 19.887 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 183592
Ion Ratio Lower Upper
119 100
91 60.7 30.4 91.3
134 27.4 13.6 40.8

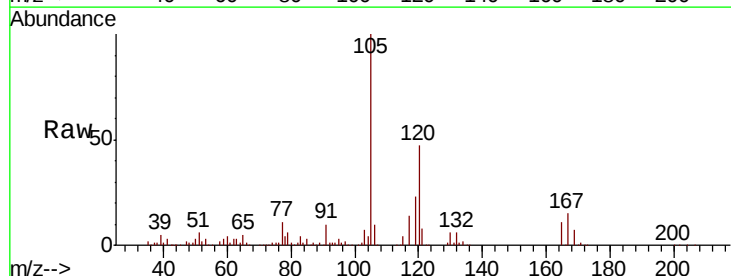


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

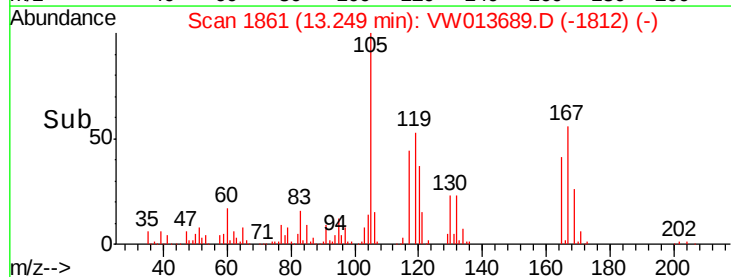
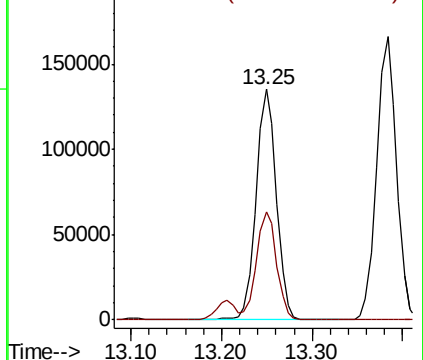


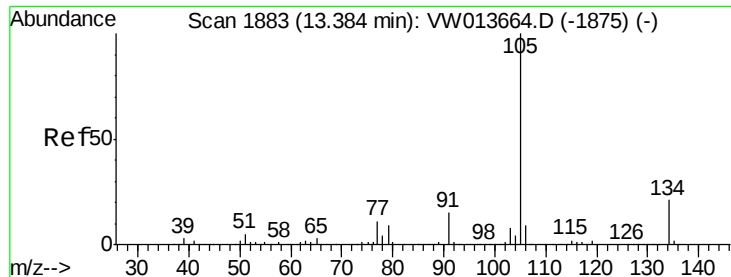
#84
1,2,4-Trimethylbenzene
Concen: 20.351 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion:105 Resp: 208782
Ion Ratio Lower Upper
105 100
120 47.0 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: 19.910 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

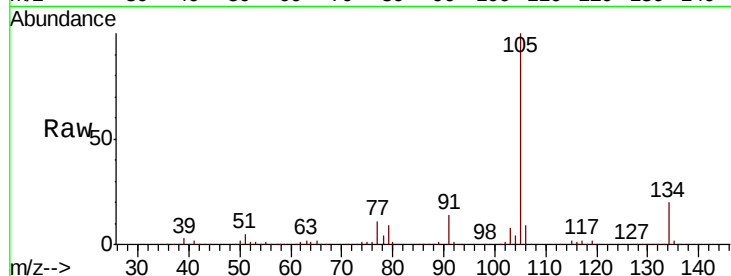
ClientSampled :

Tot Ion:105 Resp: 251341

Ion Ratio Lower Upper

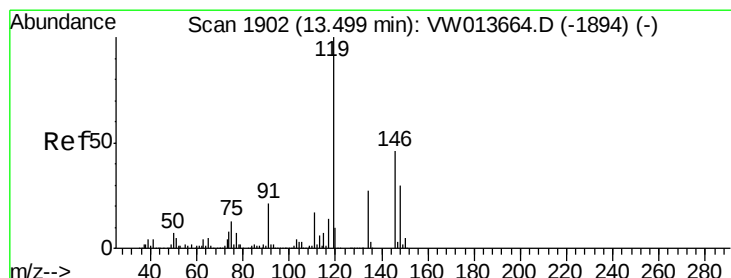
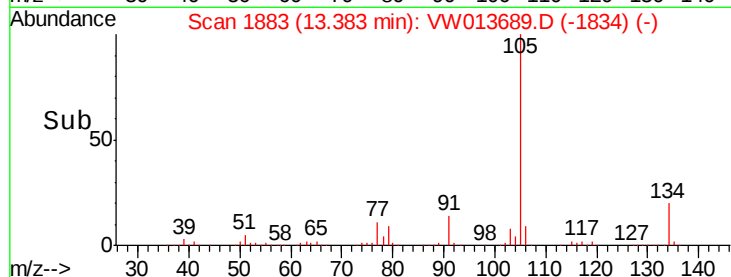
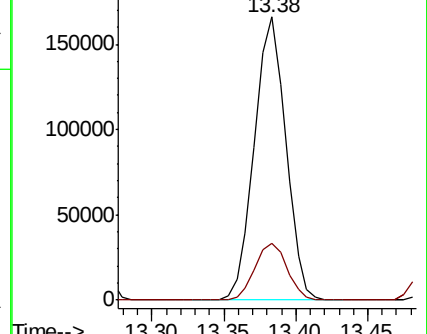
105 100

134 20.5 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.771 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

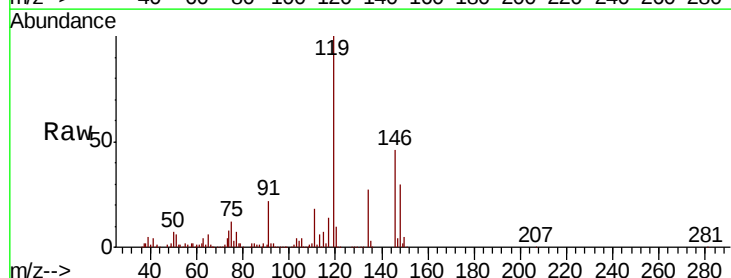
Tgt Ion:119 Resp: 232496

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

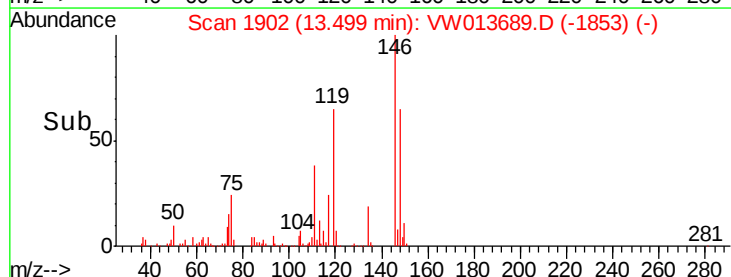
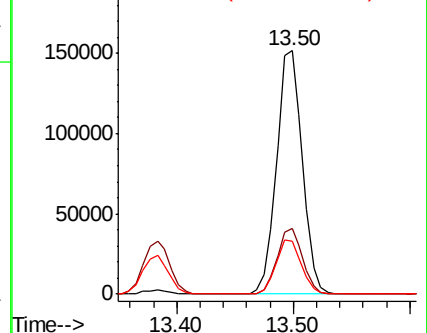
91 22.1 10.8 32.3

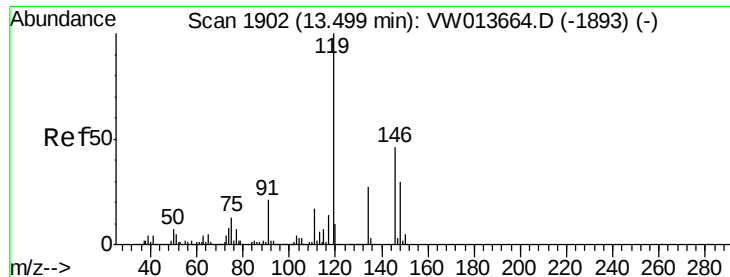


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.175 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

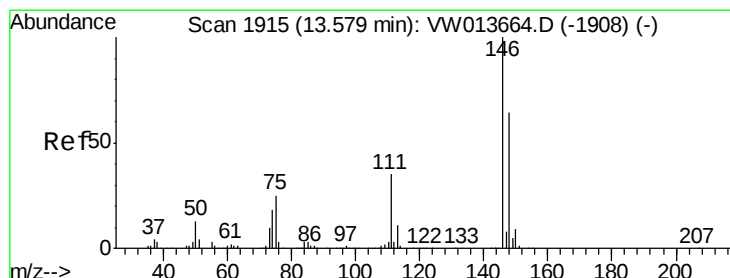
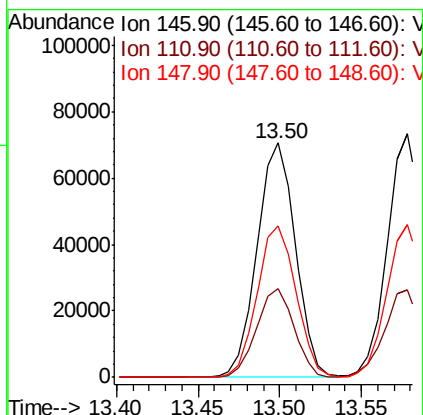
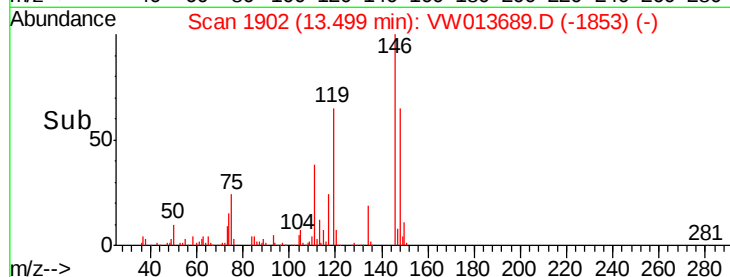
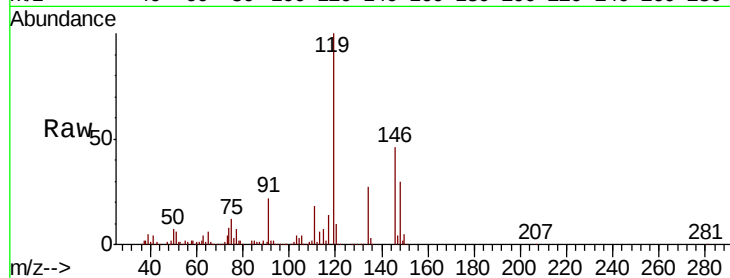
Tot Ion:146 Resp: 115041

Ion Ratio Lower Upper

146 100

111 37.3 18.6 56.0

148 65.5 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 20.261 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

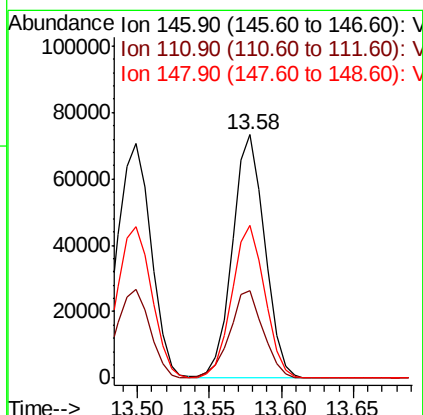
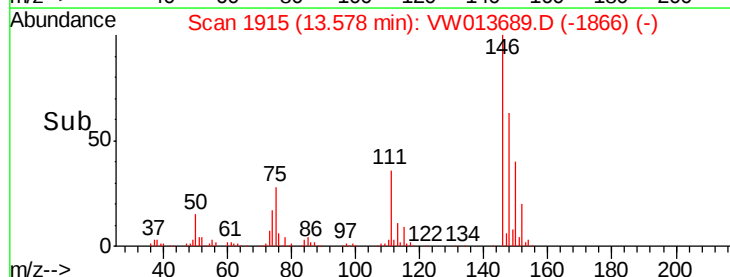
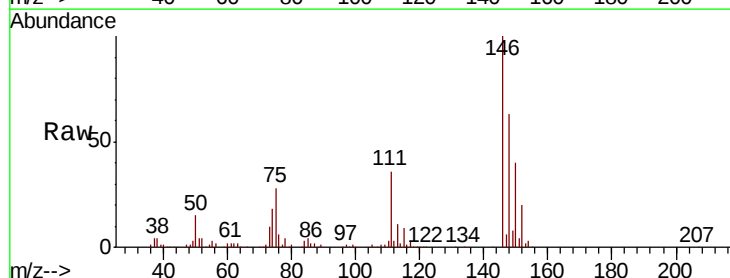
Tgt Ion:146 Resp: 114781

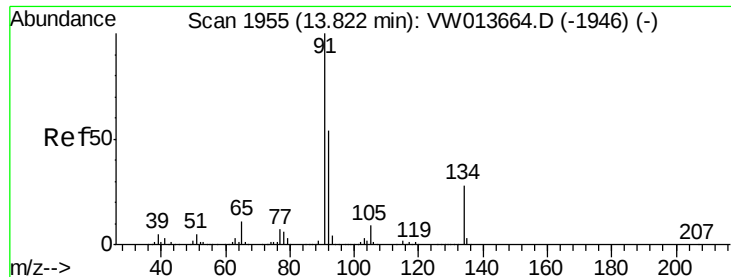
Ion Ratio Lower Upper

146 100

111 37.6 18.1 54.3

148 64.0 32.0 96.2





#89

n-Butylbenzene

Concen: 19.254 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

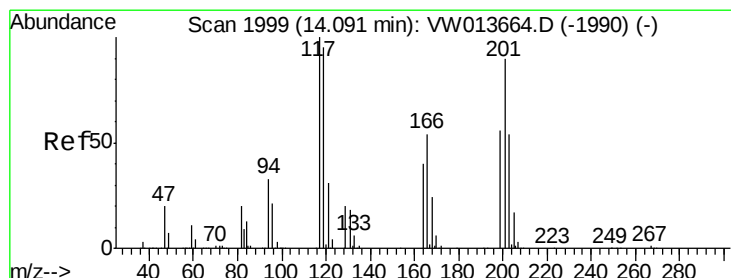
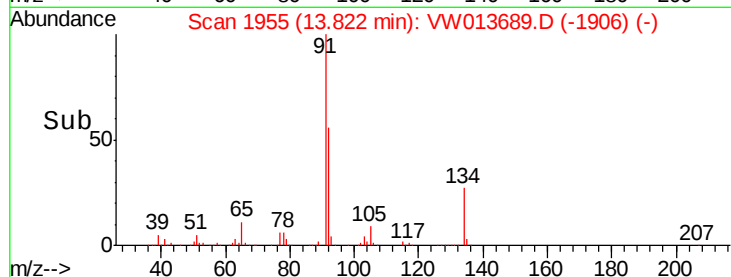
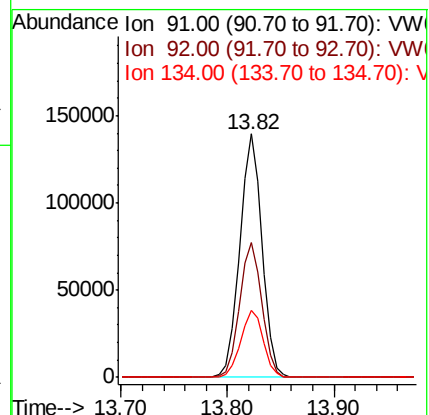
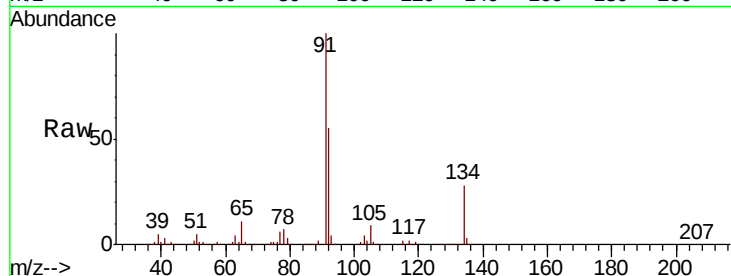
Tot Ion: 91 Resp: 204370

Ion Ratio Lower Upper

91 100

92 55.5 27.5 82.4

134 27.9 14.0 41.9



#90

Hexachloroethane

Concen: 19.635 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013689.D

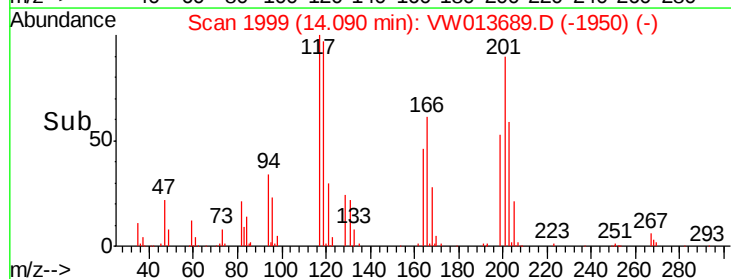
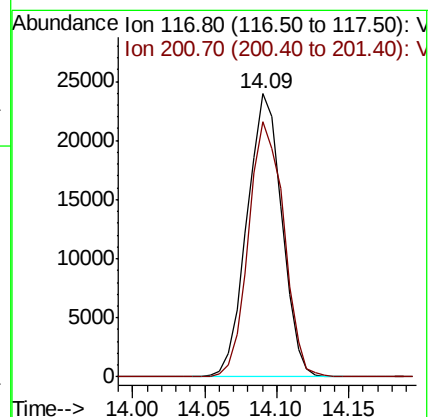
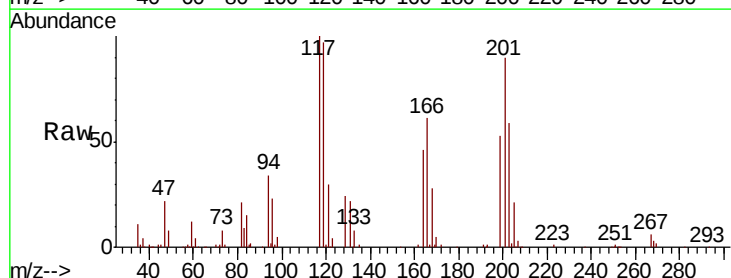
Acq: 24 Oct 2019 02:13

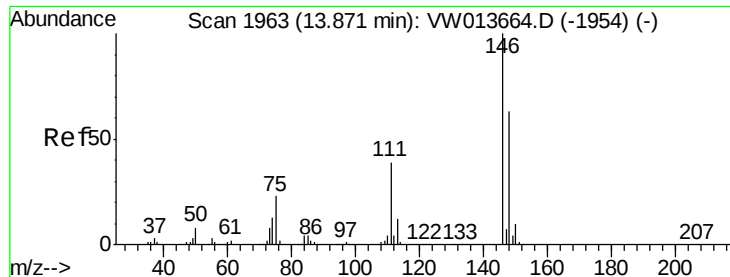
Tgt Ion: 117 Resp: 40134

Ion Ratio Lower Upper

117 100

201 90.8 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 20.952 ug/l

RT: 13.86 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

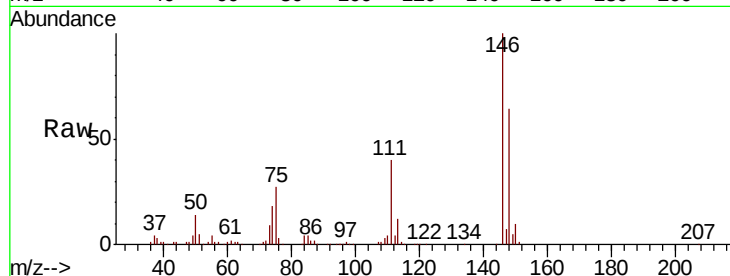
Tot Ion:146 Resp: 103591

Ion Ratio Lower Upper

146 100

111 38.8 19.9 59.6

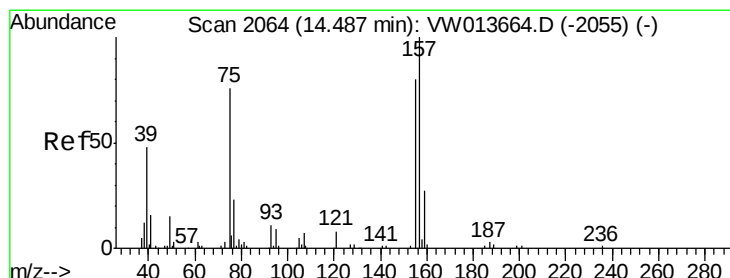
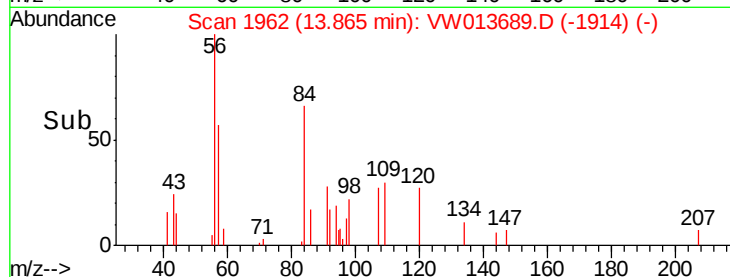
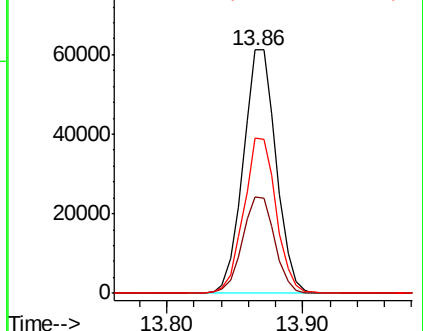
148 62.7 31.9 95.9



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: 25.015 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

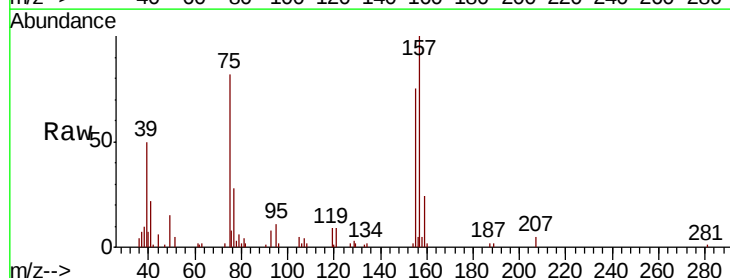
Tgt Ion: 75 Resp: 7354

Ion Ratio Lower Upper

75 100

155 98.2 51.9 155.7

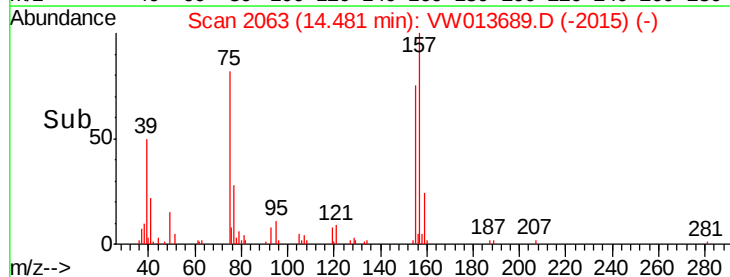
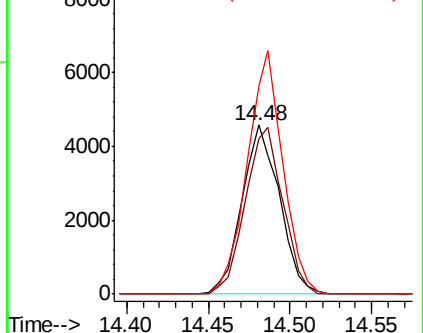
157 136.1 64.8 194.3

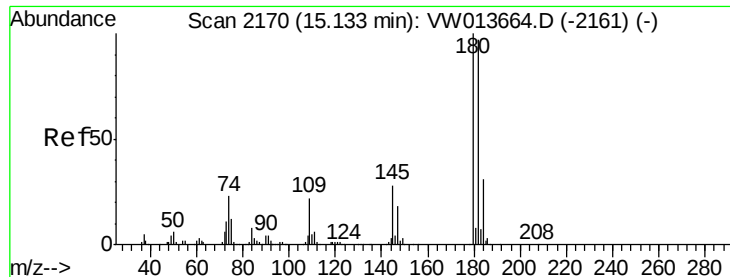


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

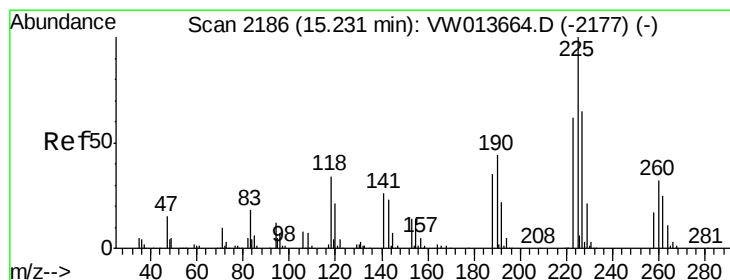
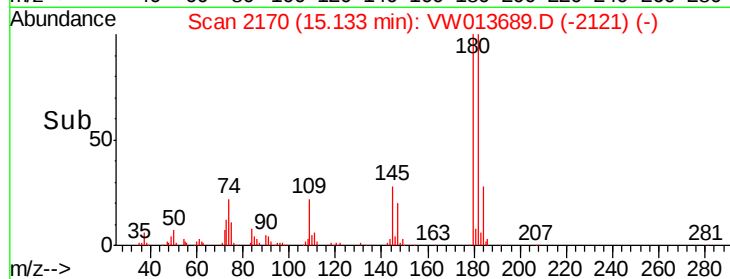
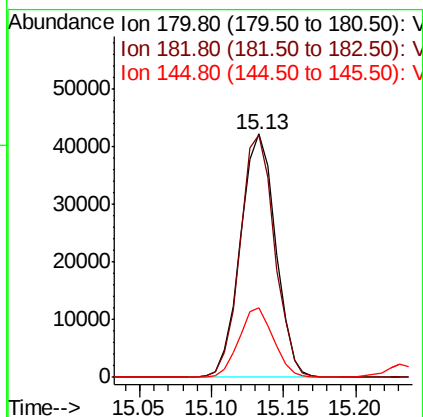
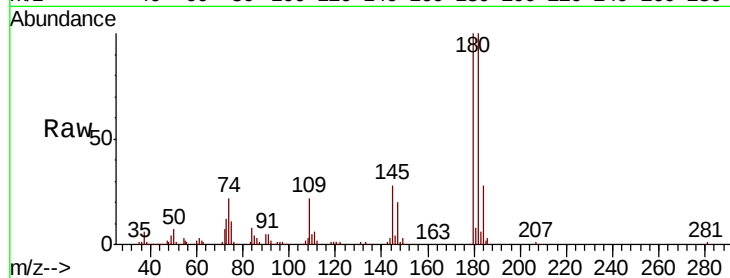




#93
 1,2,4-Trichlorobenzene
 Concen: 19.892 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

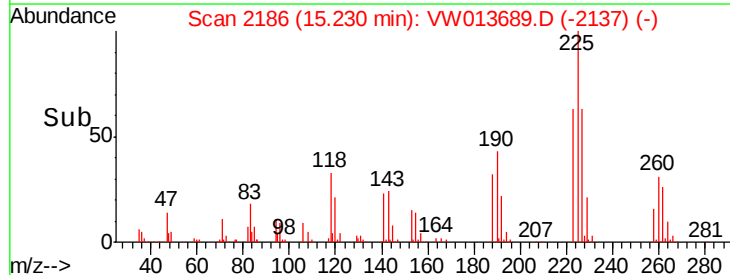
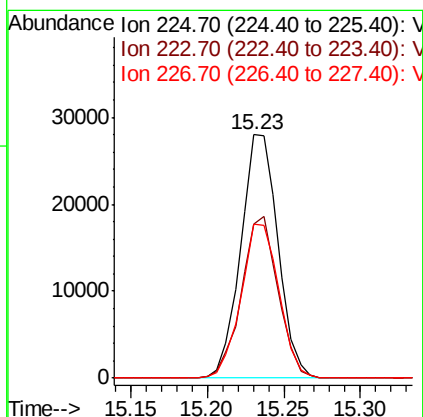
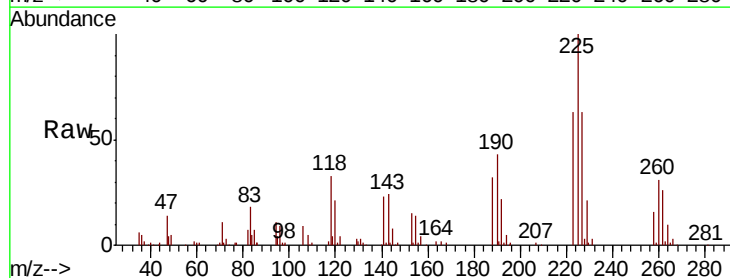
Instrument :
 MSVOA_W
 ClientSampled :

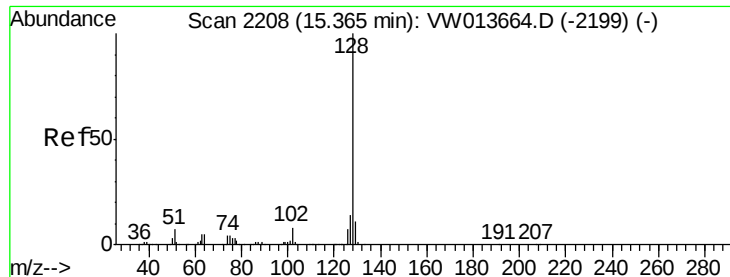
Tot Ion:180 Resp: 71575
 Ion Ratio Lower Upper
 180 100
 182 97.7 47.4 142.2
 145 27.9 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 19.531 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Tgt Ion:225 Resp: 47443
 Ion Ratio Lower Upper
 225 100
 223 64.9 31.9 95.9
 227 64.4 32.5 97.4

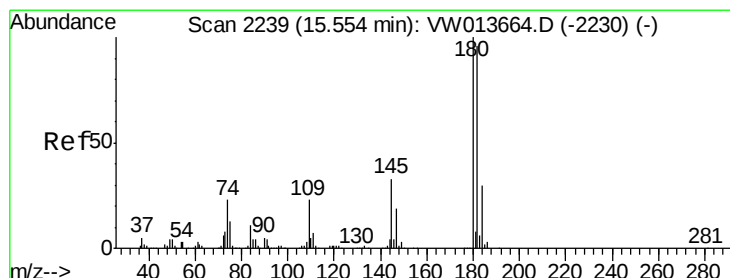
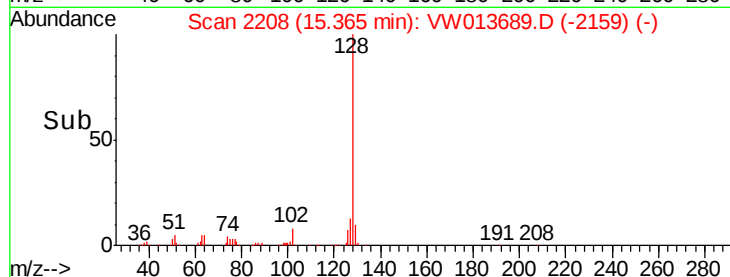
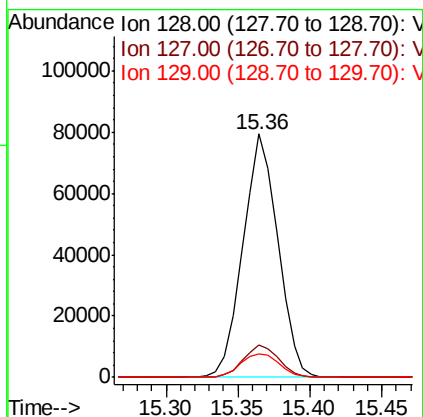
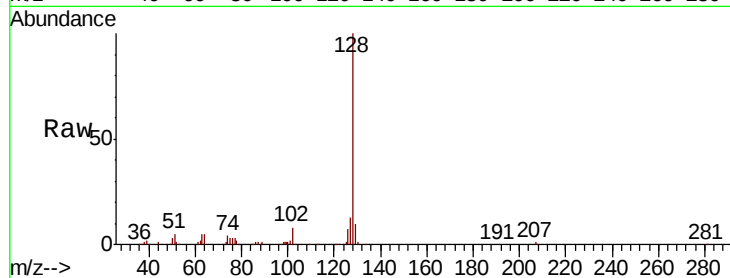




#95
Naphthalene
Concen: 23.599 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 133139
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.191 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion:180 Resp: 65704
Ion Ratio Lower Upper
180 100
182 95.1 47.4 142.3
145 29.8 14.9 44.9

