

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111319\
 Data File : VW013999.D
 Acq On : 13 Nov 2019 11:55
 Operator : SY/VA
 Sample : VW1113SBS01
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 14 05:53:06 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	272731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	383565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	171034	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	115573	56.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.98%	
35) Dibromofluoromethane	7.88	113	113432	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
50) Toluene-d8	10.32	98	460536	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.62	95	156662	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	33323	23.192	ug/l	100
3) Chloromethane	2.21	50	31333	20.291	ug/l	97
4) Vinyl Chloride	2.36	62	53073	22.759	ug/l	99
5) Bromomethane	2.76	94	33130	21.601	ug/l	99
6) Chloroethane	2.92	64	30801	21.828	ug/l	95
7) Trichlorofluoromethane	3.25	101	32461	22.286	ug/l	93
8) Diethyl Ether	3.68	74	25708	21.846	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	52932	22.354	ug/l	98
10) Methyl Iodide	4.27	142	79032	20.482	ug/l	100
11) Tert butyl alcohol	5.16	59	22275	182.377	ug/l	96
12) 1,1-Dichloroethene	4.04	96	51881	21.211	ug/l	98
13) Acrolein	3.89	56	13324	95.220	ug/l	99
14) Allyl chloride	4.67	41	78040	20.749	ug/l	99
15) Acrylonitrile	5.36	53	66849	139.701	ug/l	100
16) Acetone	4.12	43	60044	138.414	ug/l	99
17) Carbon Disulfide	4.38	76	151156	21.518	ug/l	99
18) Methyl Acetate	4.66	43	34891	29.341	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	66948	22.809	ug/l	98
20) Methylene Chloride	4.91	84	57596	21.417	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	54904	20.855	ug/l	96
22) Diisopropyl ether	6.31	45	144586	21.075	ug/l	97
23) Vinyl Acetate	6.25	43	464617	116.714	ug/l	98
24) 1,1-Dichloroethane	6.21	63	89637	20.630	ug/l	97
25) 2-Butanone	7.17	43	88293	141.570	ug/l	92
26) 2,2-Dichloropropane	7.16	77	54027	21.503	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	57153	20.439	ug/l	98
28) Bromochloromethane	7.51	49	25624	17.449	ug/l #	99
29) Tetrahydrofuran	7.52	42	58986	152.767	ug/l	98
30) Chloroform	7.68	83	90079	20.972	ug/l	97
31) Cyclohexane	7.95	56	94914	20.874	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	74318	22.049	ug/l	97
36) 1,1-Dichloropropene	8.08	75	76616	21.448	ug/l	98
37) Ethyl Acetate	7.24	43	38686	28.291	ug/l	98
38) Carbon Tetrachloride	8.07	117	70731	21.988	ug/l	96

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 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 14 05:53:06 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	9.34	83	97029	21.033	ug/l	98
40) Benzene	8.32	78	211643	20.936	ug/l	96
41) Methacrylonitrile	7.48	41	22878	26.830	ug/l	91
42) 1,2-Dichloroethane	8.40	62	56433	22.152	ug/l	100
43) Isopropyl Acetate	8.42	43	68346	26.112	ug/l	97
44) Trichloroethene	9.09	130	59344	20.493	ug/l	97
45) 1,2-Dichloropropane	9.37	63	50415	20.879	ug/l	100
46) Dibromomethane	9.46	93	27226	23.231	ug/l	97
47) Bromodichloromethane	9.64	83	63352	20.892	ug/l	97
48) Methyl methacrylate	9.43	41	33552	25.849	ug/l	100
49) 1,4-Dioxane	9.44	88	12059	696.315	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	182487	140.304	ug/l	100
52) Toluene	10.38	92	137097	21.024	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	66993	21.823	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	79765	21.060	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	39856	22.819	ug/l	98
56) Ethyl methacrylate	10.65	69	52793	24.159	ug/l	97
57) 1,3-Dichloropropane	10.93	76	67897	22.652	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	118315	117.640	ug/l	99
59) 2-Hexanone	10.97	43	126256	140.807	ug/l	100
60) Dibromochloromethane	11.13	129	45478	21.930	ug/l	99
61) 1,2-Dibromoethane	11.23	107	39142	23.687	ug/l	100
64) Tetrachloroethene	10.86	164	52473	20.694	ug/l	97
65) Chlorobenzene	11.66	112	138107	20.251	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	49121	20.638	ug/l	98
67) Ethyl Benzene	11.73	91	255798	20.801	ug/l	96
68) m/p-Xylenes	11.84	106	196078	41.270	ug/l	98
69) o-Xylene	12.16	106	89909	20.588	ug/l	99
70) Styrene	12.18	104	153667	20.480	ug/l	99
71) Bromoform	12.35	173	29650	23.739	ug/l #	100
73) Isopropylbenzene	12.46	105	254831	20.747	ug/l	100
74) N-amyl acetate	12.27	43	60249	25.358	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	47452	24.482	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	60599	49.337	ug/l #	100
77) Bromobenzene	12.74	156	59940	20.429	ug/l	96
78) n-propylbenzene	12.80	91	290448	20.431	ug/l	100
79) 2-Chlorotoluene	12.89	91	161199	20.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	211245	20.374	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15709	24.171	ug/l	99
82) 4-Chlorotoluene	12.99	91	168856	20.132	ug/l	98
83) tert-Butylbenzene	13.21	119	187768	20.402	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	208332	20.369	ug/l	98
85) sec-Butylbenzene	13.38	105	258652	20.552	ug/l	99
86) p-Isopropyltoluene	13.50	119	237246	20.237	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	114351	20.115	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	113855	20.159	ug/l	98
89) n-Butylbenzene	13.82	91	212597	20.090	ug/l	98
90) Hexachloroethane	14.09	117	41065	20.152	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	104097	21.118	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8678	29.608	ug/l	91

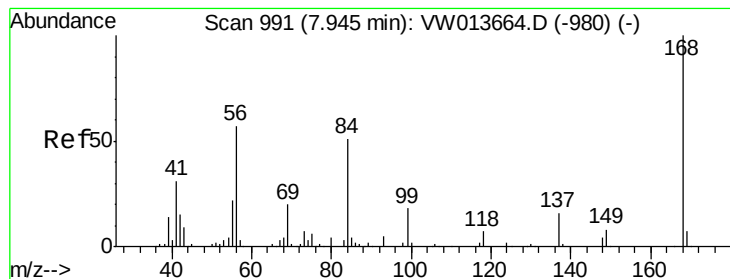
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111319\
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Acq On : 13 Nov 2019 11:55
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Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Nov 14 05:53:06 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)
93) 1,2,4-Trichlorobenzene	15.13	180	66947	18.662	ug/l	97
94) Hexachlorobutadiene	15.24	225	51115	21.107	ug/l	98
95) Naphthalene	15.36	128	113399	20.162	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	59432	19.227	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: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

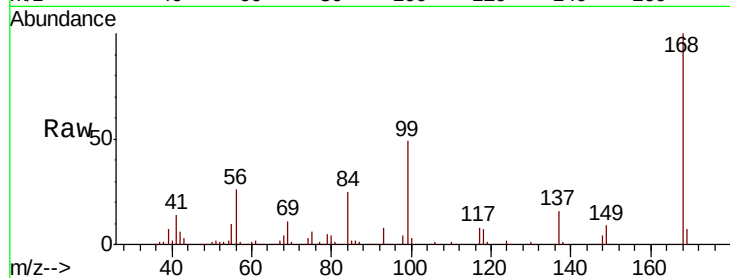
ClientSampleId :

Tot Ion:168 Resp: 272731

Ion Ratio Lower Upper

168 100

99 48.6 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW013664.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW013664.D (-980) (-)

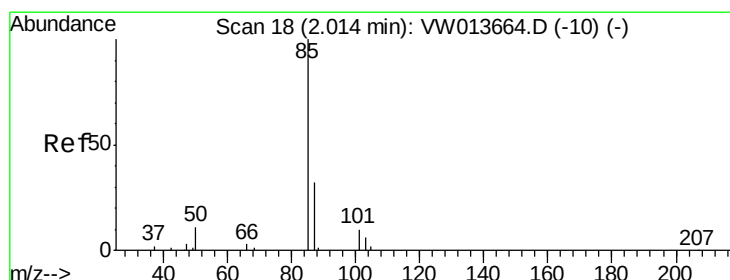
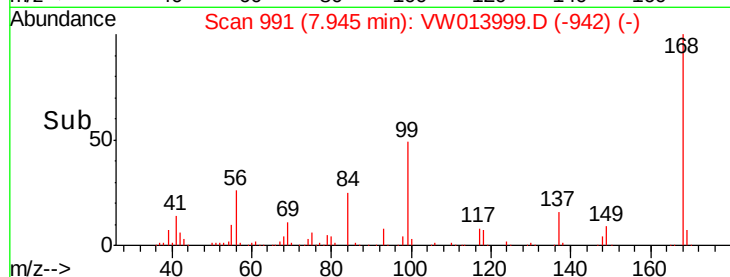
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.192 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013999.D

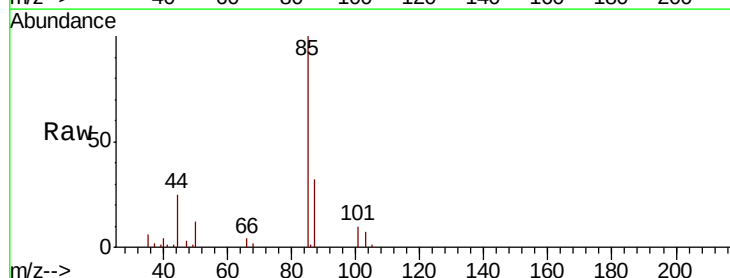
Acq: 13 Nov 2019 11:55

Tgt Ion: 85 Resp: 33323

Ion Ratio Lower Upper

85 100

87 32.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW013664.D (-10) (-)

Ion 86.90 (86.60 to 87.60): VW013664.D (-10) (-)

2.01

12000

10000

8000

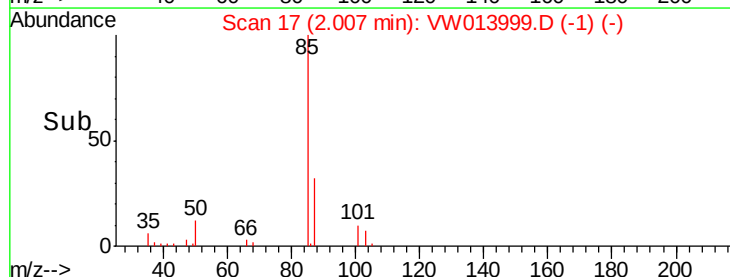
6000

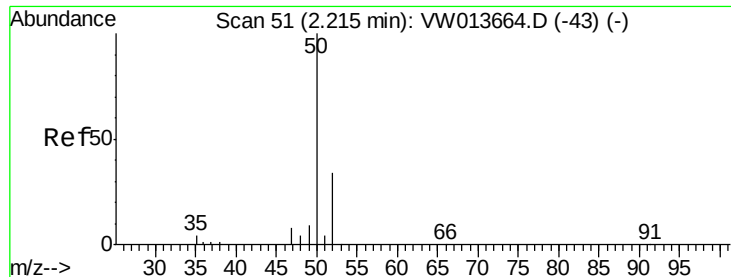
4000

2000

0

Time-->





#3

Chloromethane

Concen: 20.291 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

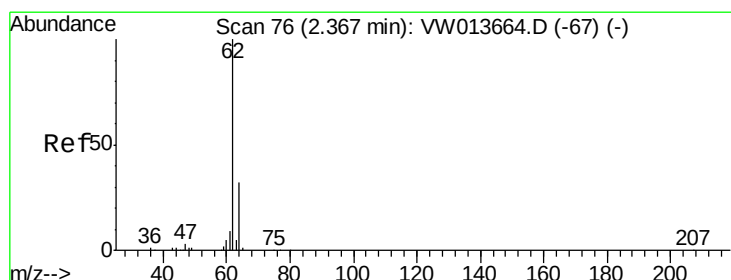
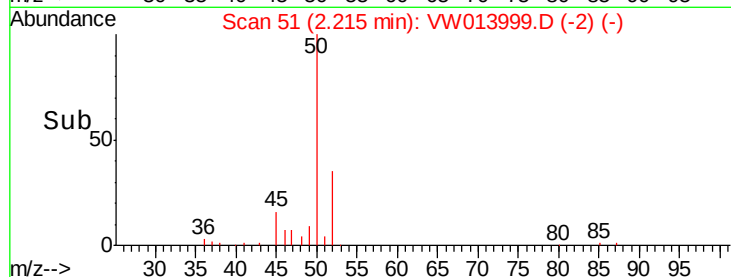
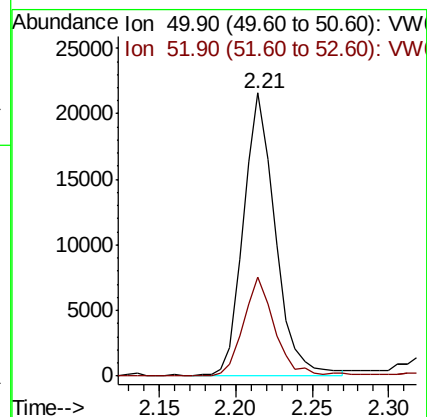
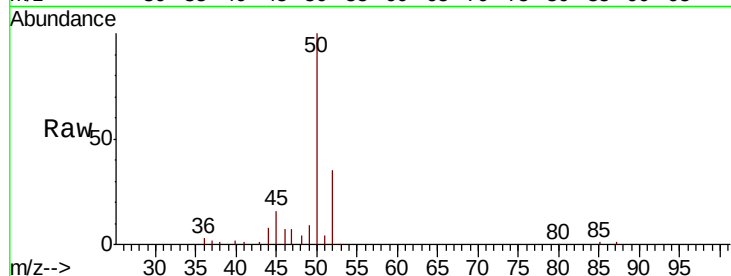
ClientSampleId :

Tot Ion: 50 Resp: 31333

Ion Ratio Lower Upper

50 100

52 35.2 26.9 40.3



#4

Vinyl Chloride

Concen: 22.759 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013999.D

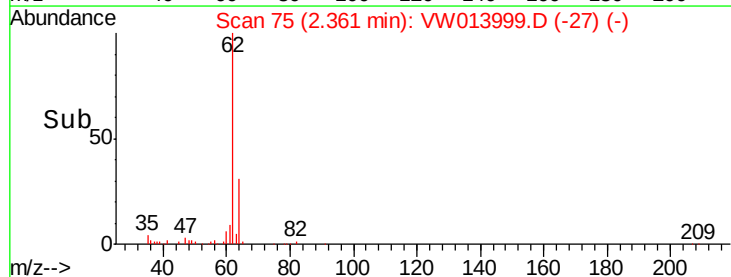
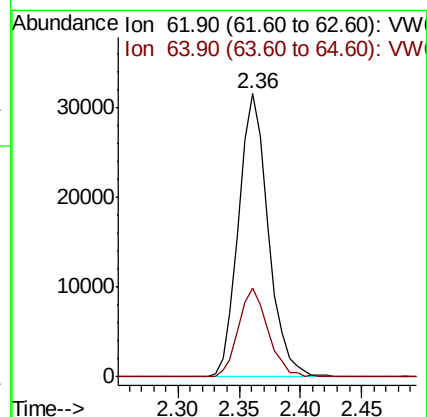
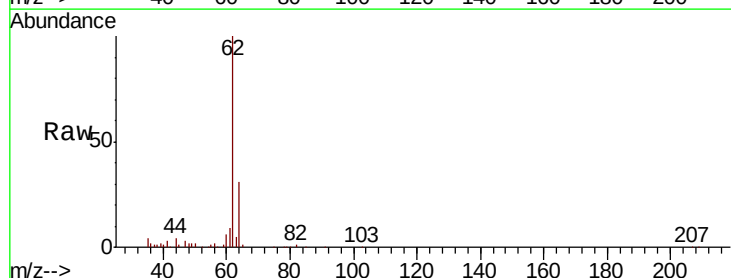
Acq: 13 Nov 2019 11:55

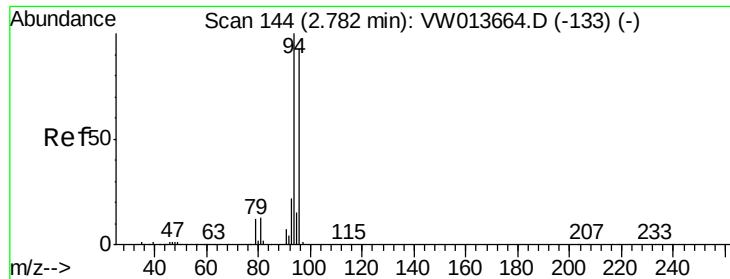
Tgt Ion: 62 Resp: 53073

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 21.601 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

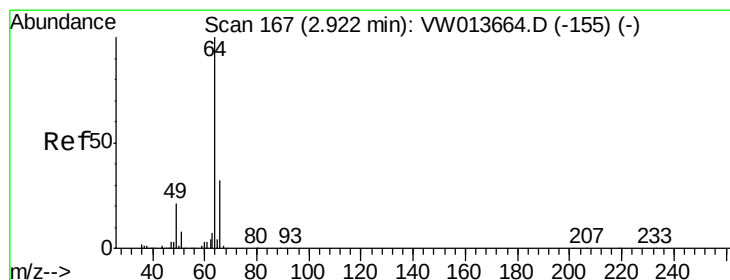
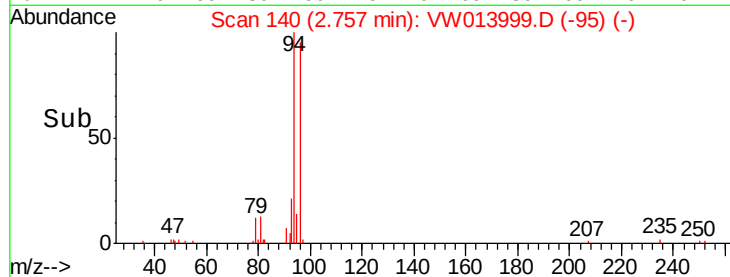
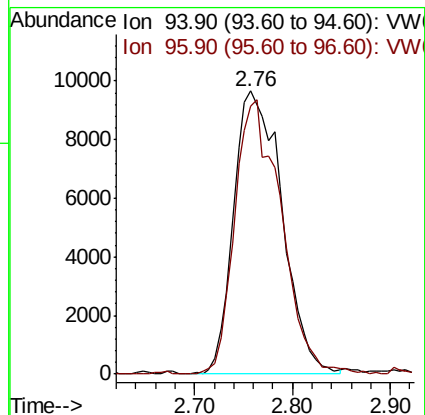
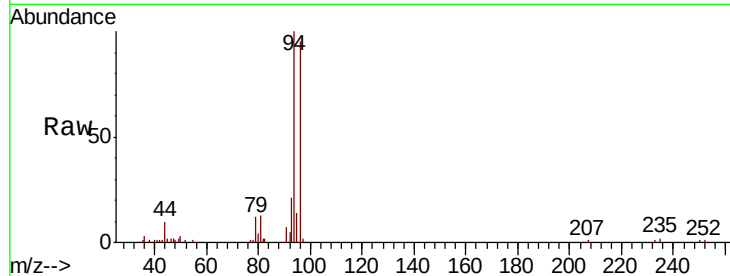
ClientSampled :

Tot Ion: 94 Resp: 33130

Ion Ratio Lower Upper

94 100

96 94.7 74.6 112.0



#6

Chloroethane

Concen: 21.828 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013999.D

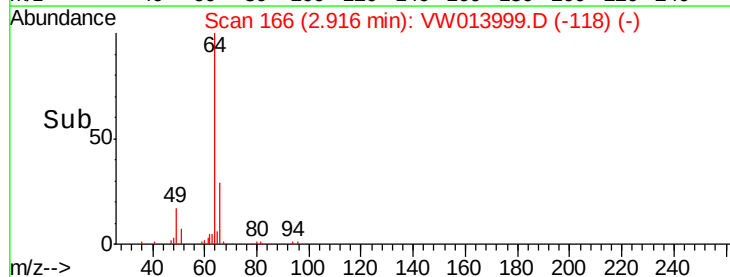
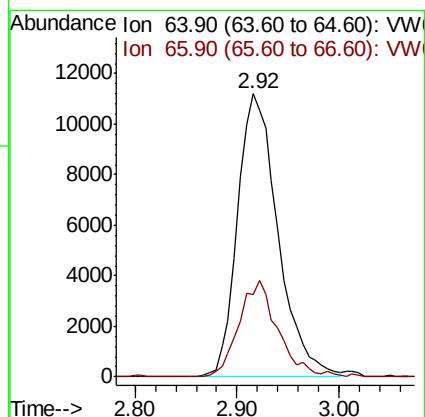
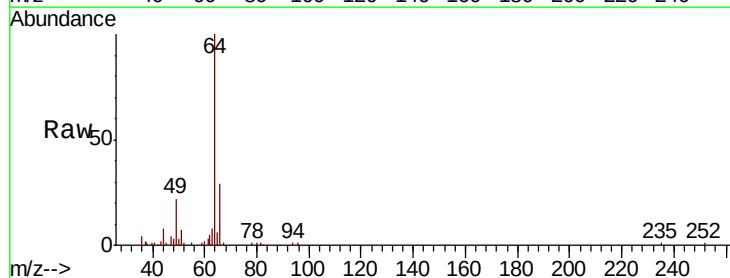
Acq: 13 Nov 2019 11:55

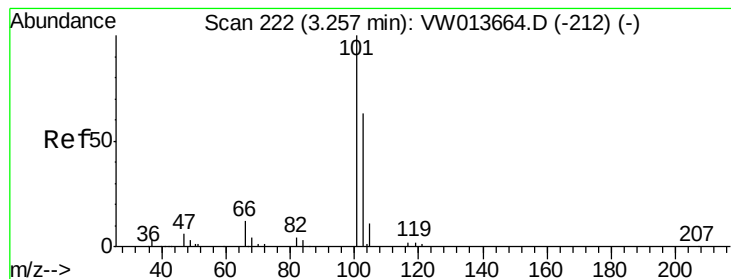
Tgt Ion: 64 Resp: 30801

Ion Ratio Lower Upper

64 100

66 29.0 25.4 38.0



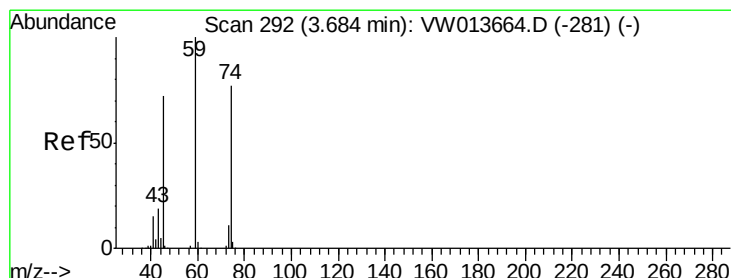
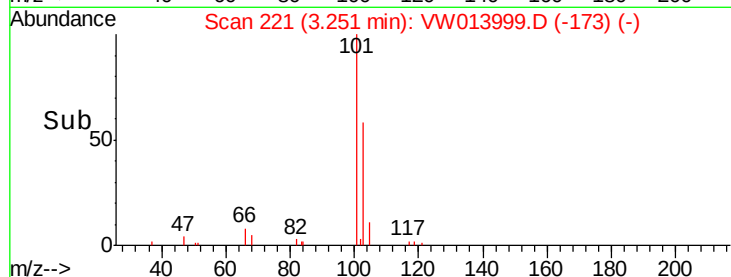
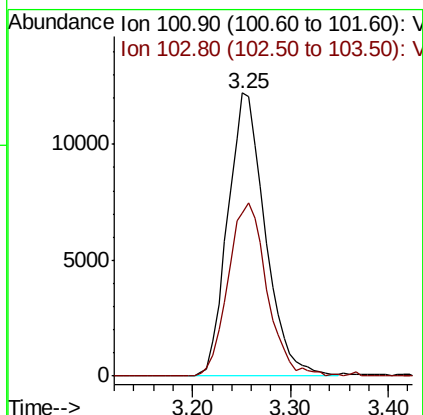
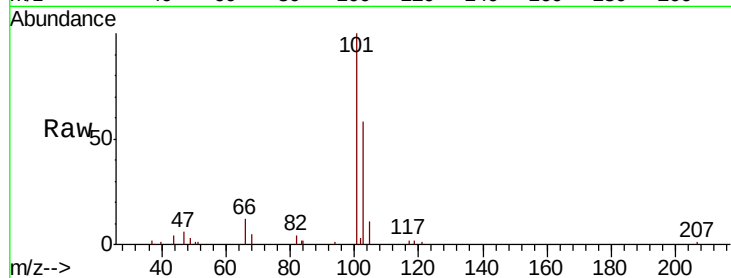


#7

Trichlorofluoromethane
 Concen: 22.286 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Instrument :
 MSVOA_W
 ClientSampled :

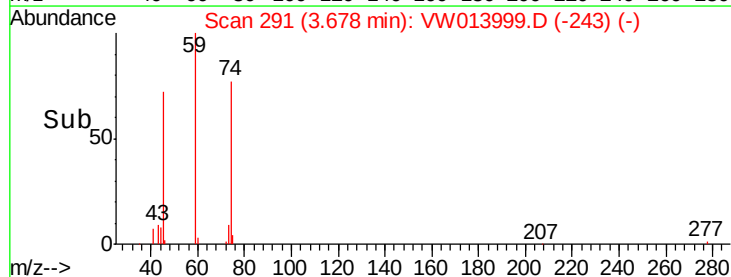
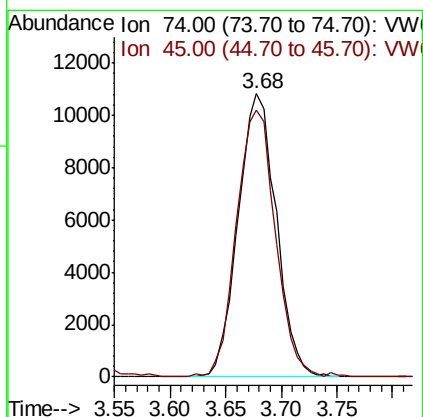
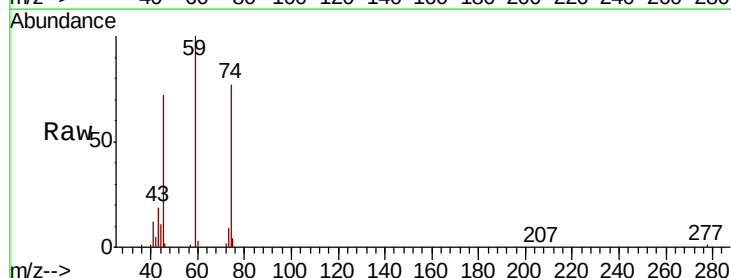
Tot Ion:101 Resp: 32461
 Ion Ratio Lower Upper
 101 100
 103 57.7 50.6 76.0

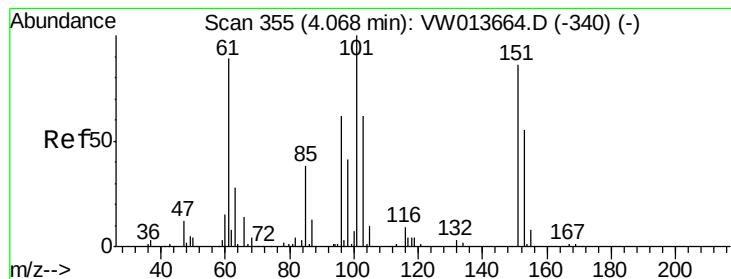


#8

Diethyl Ether
 Concen: 21.846 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Tgt Ion: 74 Resp: 25708
 Ion Ratio Lower Upper
 74 100
 45 96.2 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.354 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

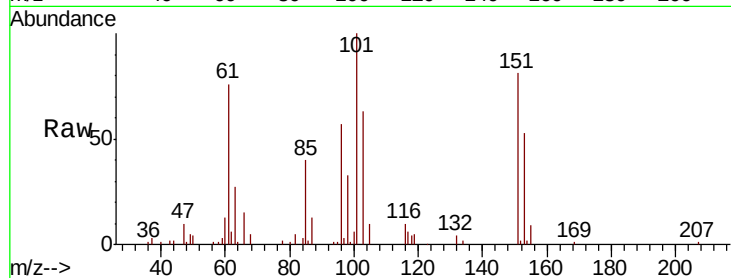
Tot Ion:101 Resp: 52932

Ion Ratio Lower Upper

101 100

85 40.1 31.0 46.6

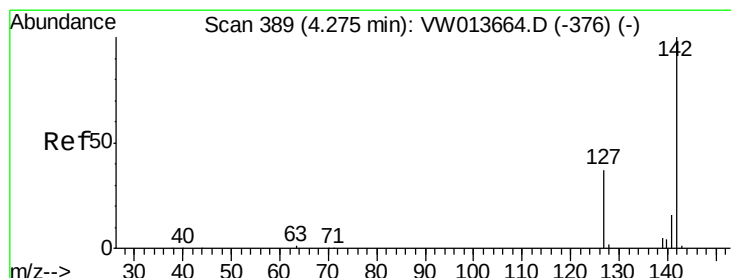
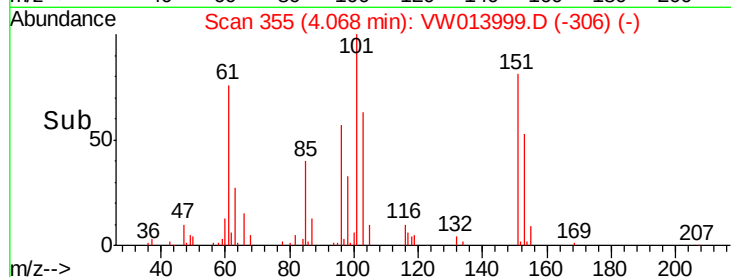
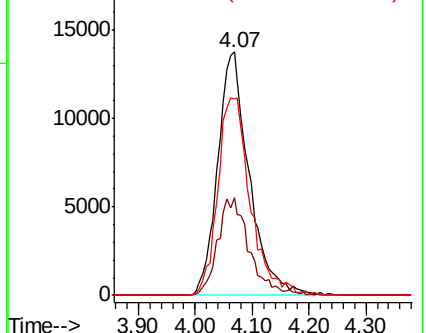
151 84.0 68.2 102.4



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: 20.482 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

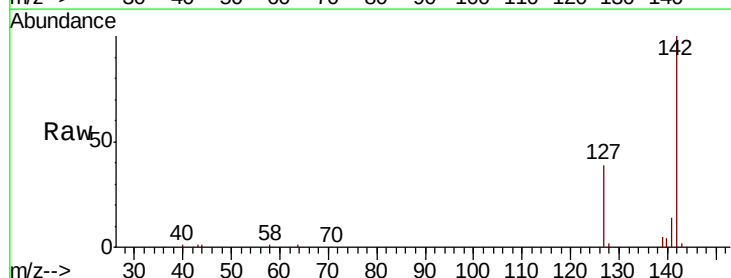
Tgt Ion:142 Resp: 79032

Ion Ratio Lower Upper

142 100

127 38.0 30.3 45.5

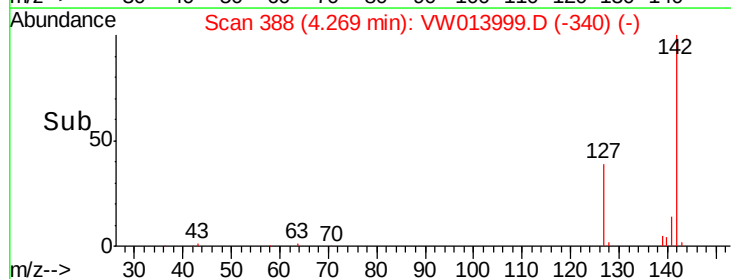
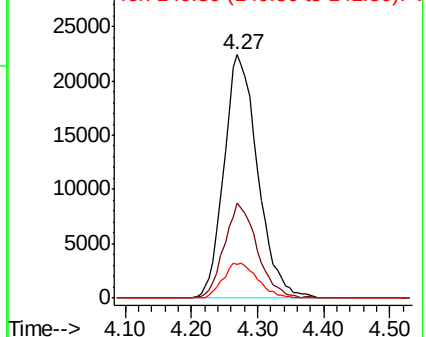
141 14.7 11.8 17.8

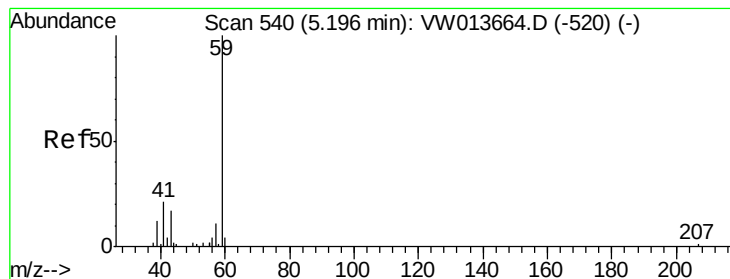


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



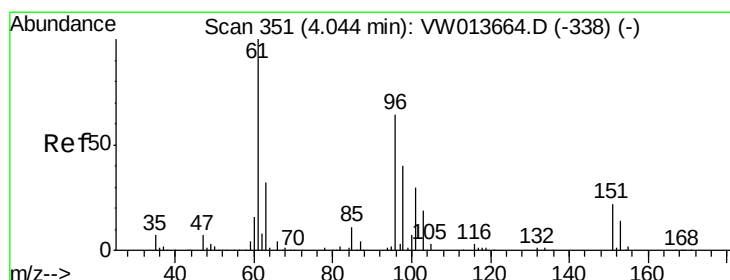
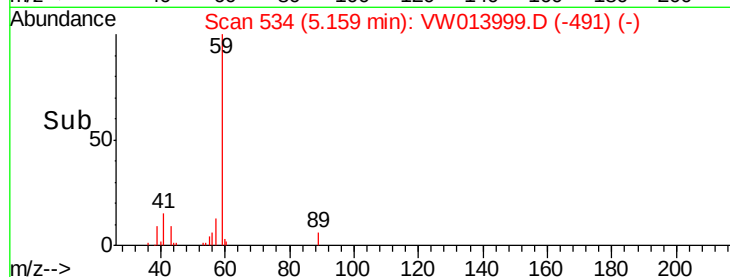
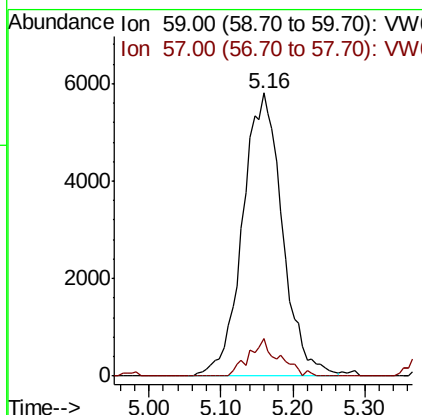
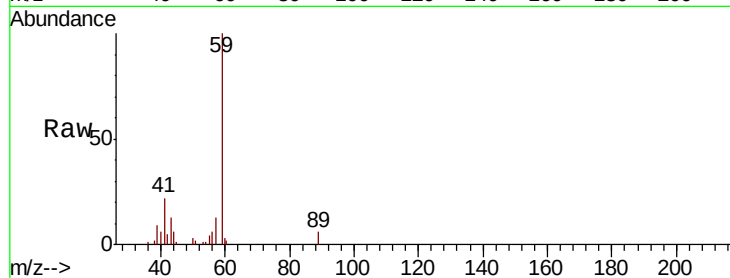


#11

Tert butyl alcohol
 Concen: 182.377 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.04 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Instrument :
 MSVOA_W
 ClientSampled :

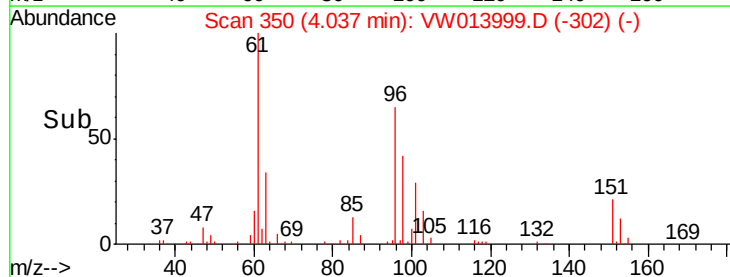
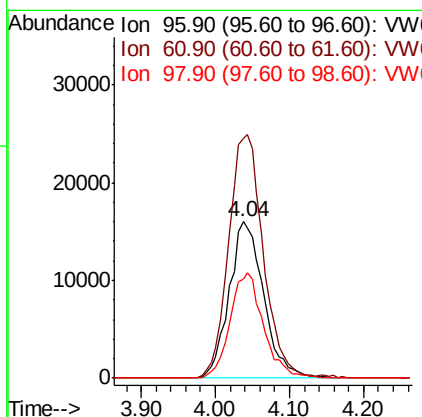
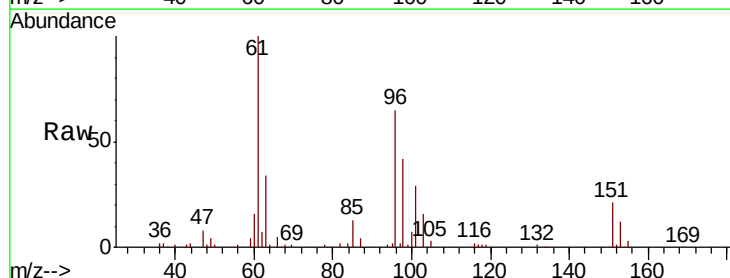
Tot Ion: 59 Resp: 22275
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.8 13.2

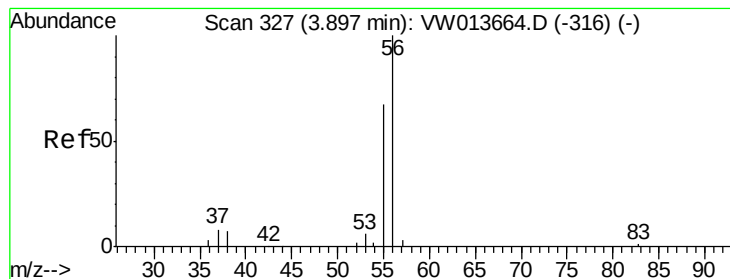


#12

1,1-Dichloroethene
 Concen: 21.211 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Tgt Ion: 96 Resp: 51881
 Ion Ratio Lower Upper
 96 100
 61 153.1 125.0 187.6
 98 63.6 50.3 75.5





#13

Acrolein

Concen: 95.220 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

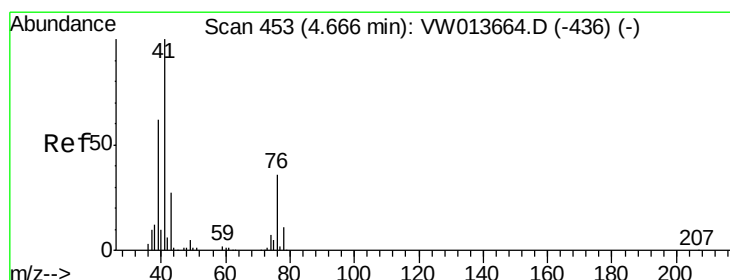
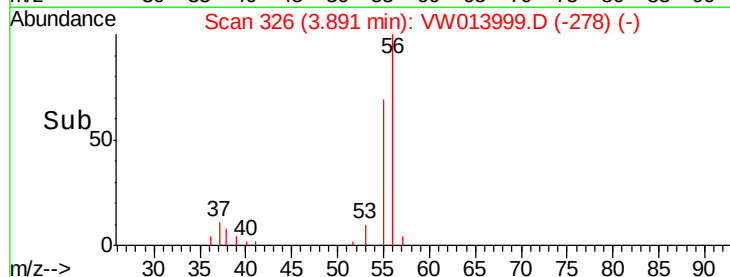
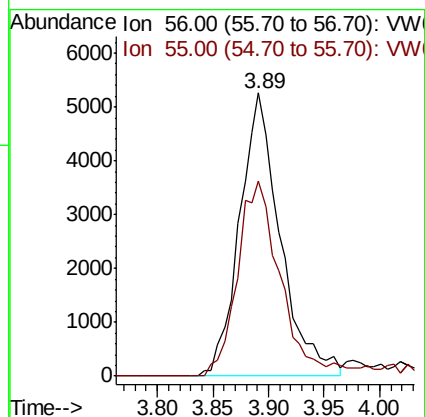
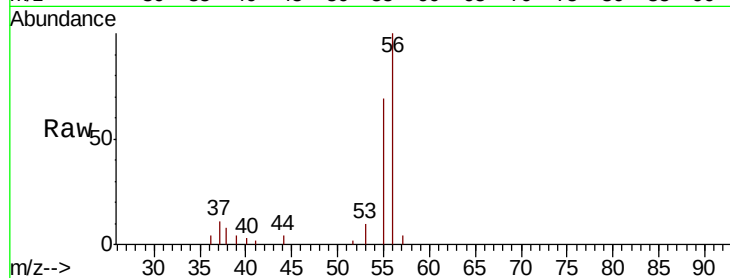
ClientSampled :

Tot Ion: 56 Resp: 13324

Ion Ratio Lower Upper

56 100

55 70.7 56.1 84.1



#14

Allyl chloride

Concen: 20.749 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

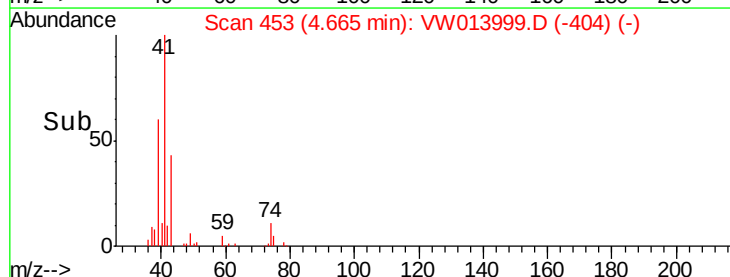
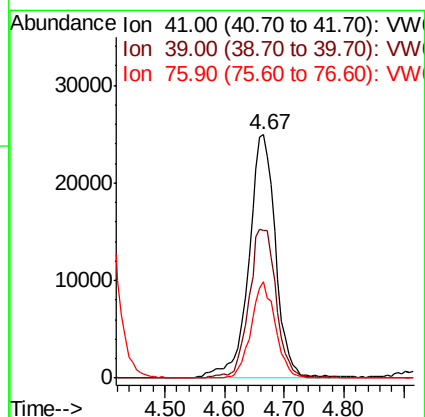
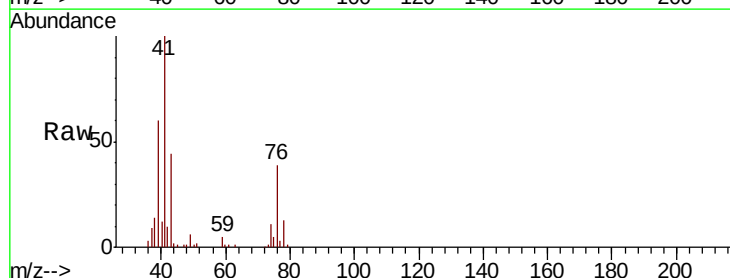
Tgt Ion: 41 Resp: 78040

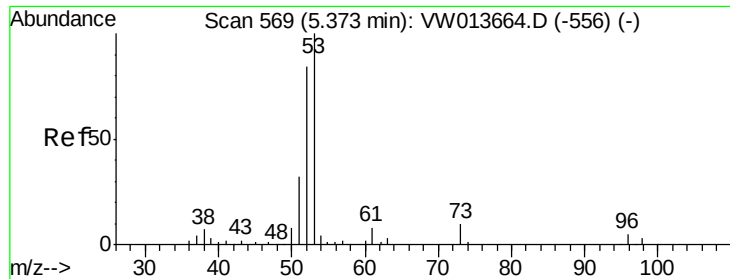
Ion Ratio Lower Upper

41 100

39 62.4 50.0 75.0

76 35.8 29.6 44.4





#15

Acrylonitrile

Concen: 139.701 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

ClientSampled :

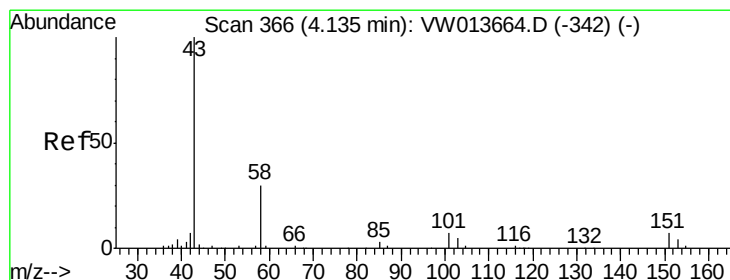
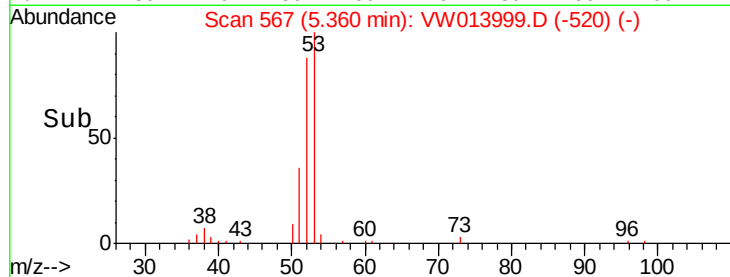
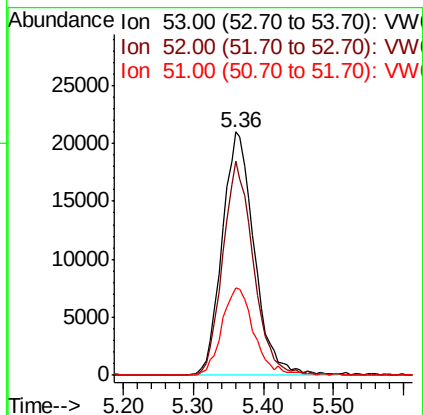
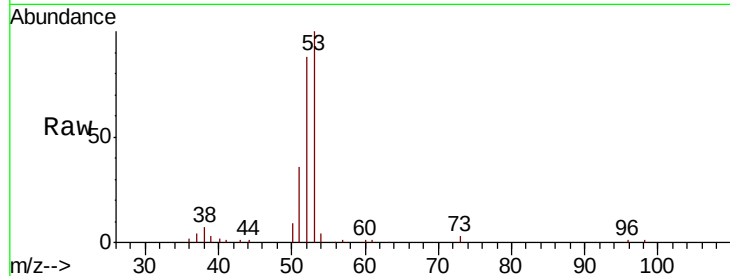
Tot Ion: 53 Resp: 66849

Ion Ratio Lower Upper

53 100

52 84.1 67.4 101.0

51 36.1 29.1 43.7



#16

Acetone

Concen: 138.414 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW013999.D

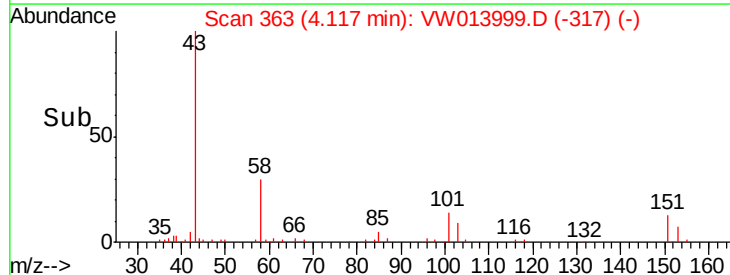
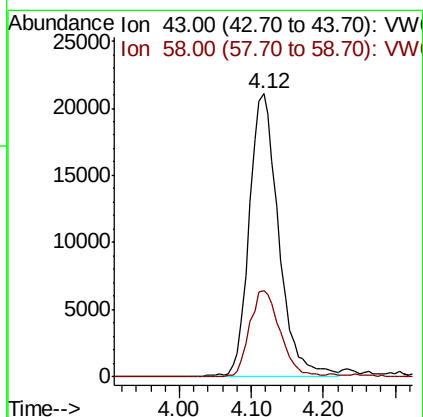
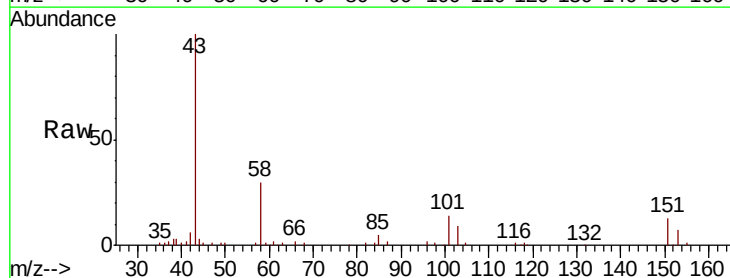
Acq: 13 Nov 2019 11:55

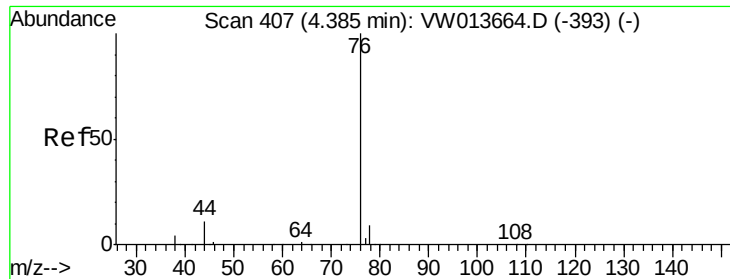
Tgt Ion: 43 Resp: 60044

Ion Ratio Lower Upper

43 100

58 30.5 24.1 36.1

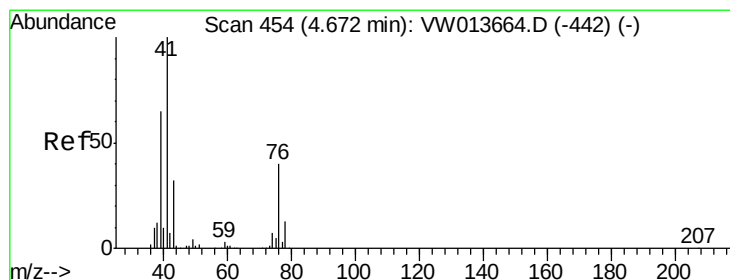
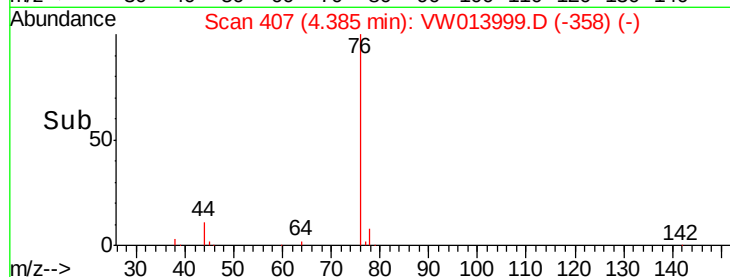
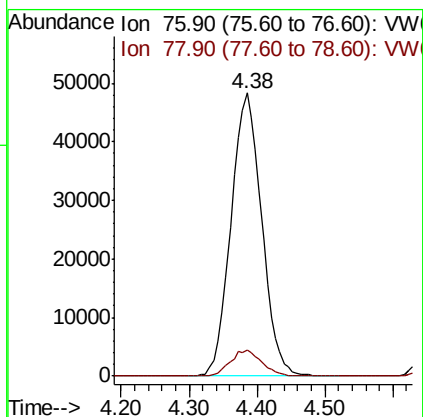
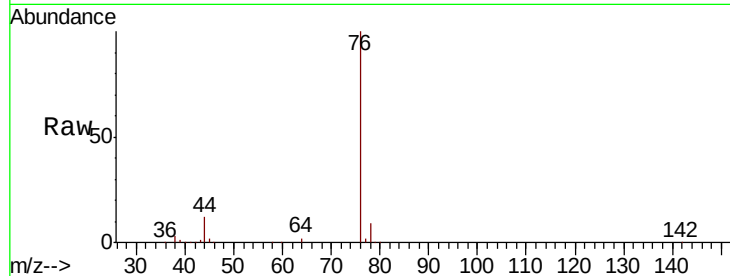




#17
Carbon Disulfide
Concen: 21.518 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

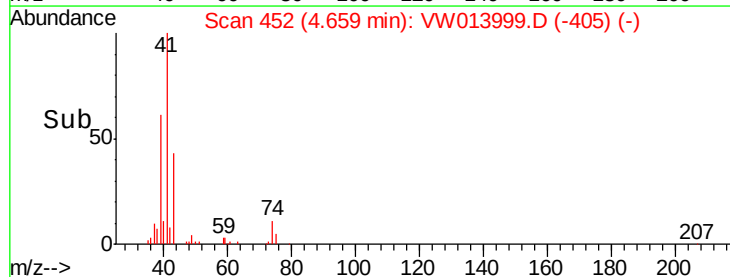
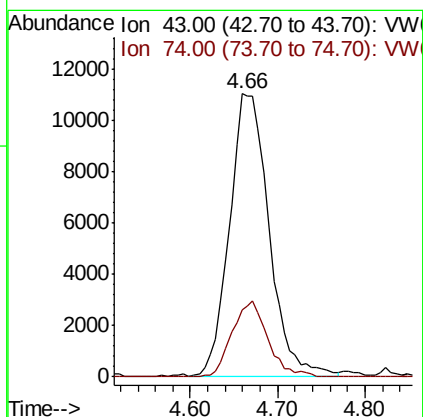
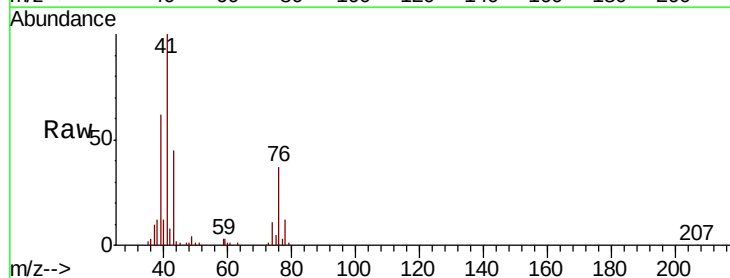
Instrument :
MSVOA_W
ClientSampleId :

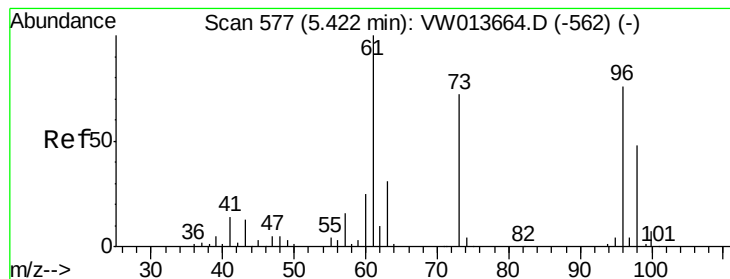
Tot Ion: 76 Resp: 151156
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 29.341 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Tgt Ion: 43 Resp: 34891
Ion Ratio Lower Upper
43 100
74 24.1 19.8 29.8



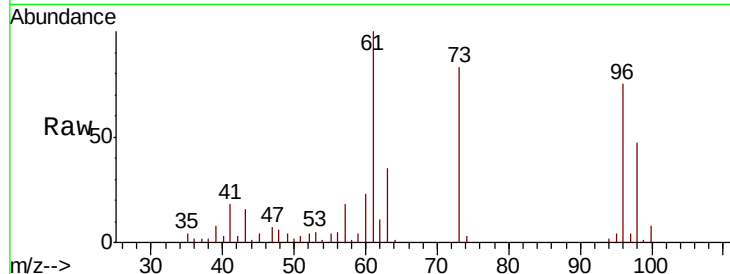


#19

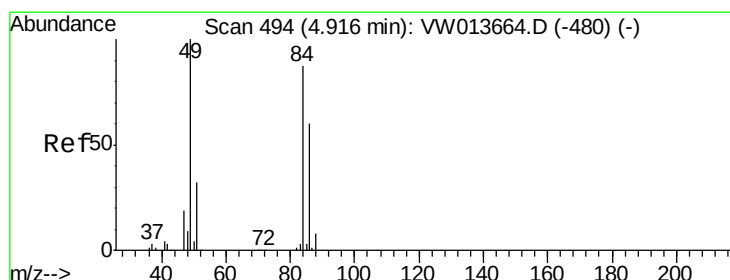
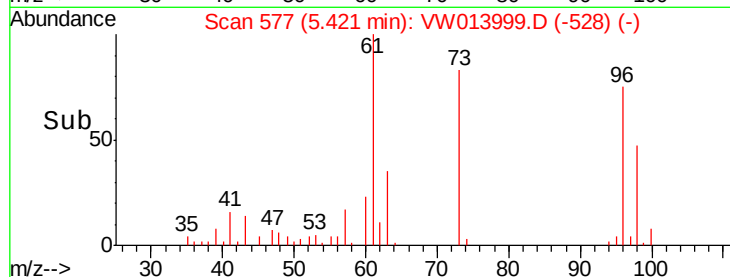
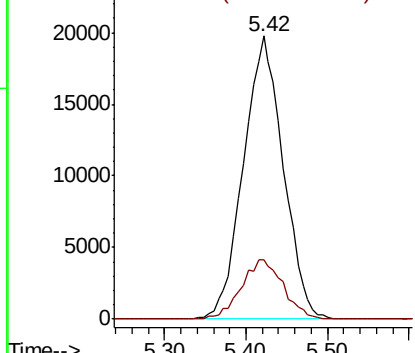
Methyl tert-butyl Ether
 Concen: 22.809 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 73 Resp: 66948
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.6 26.4



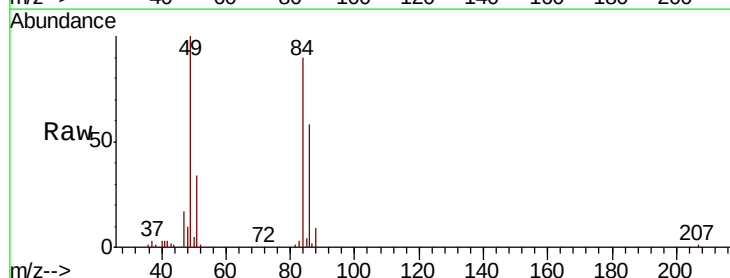
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 57.00 (56.70 to 57.70): VW



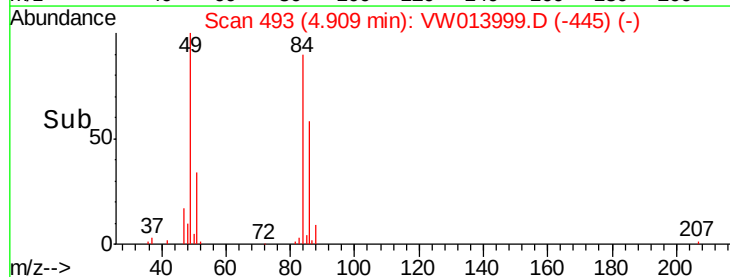
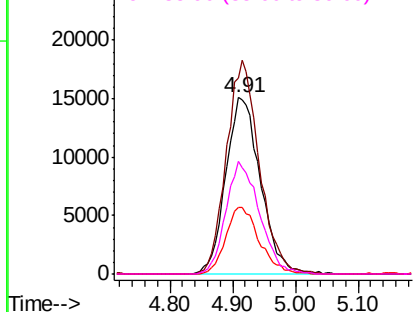
#20

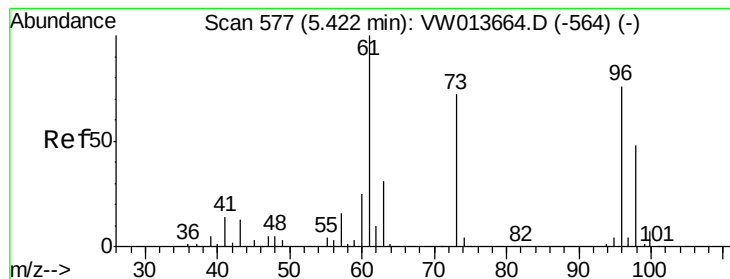
Methylene Chloride
 Concen: 21.417 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Tgt Ion: 84 Resp: 57596
 Ion Ratio Lower Upper
 84 100
 49 111.2 91.8 137.6
 51 37.8 29.8 44.6
 86 64.1 55.2 82.8



Abundance Ion 83.90 (83.60 to 84.60): VW
 Ion 48.90 (48.60 to 49.60): VW
 Ion 50.90 (50.60 to 51.60): VW
 Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 20.855 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :

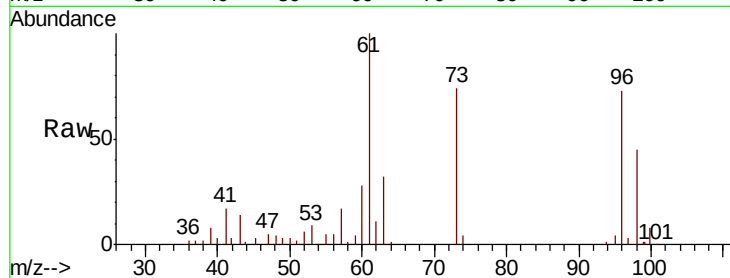
Tot Ion: 96 Resp: 54904

Ion Ratio Lower Upper

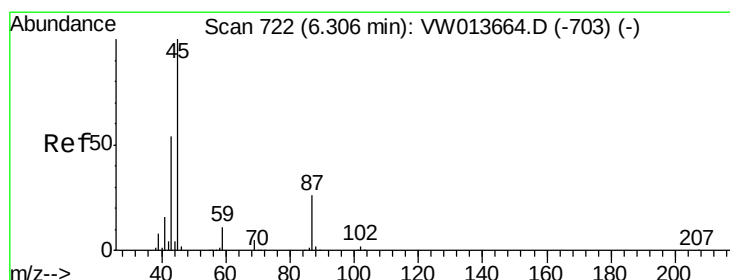
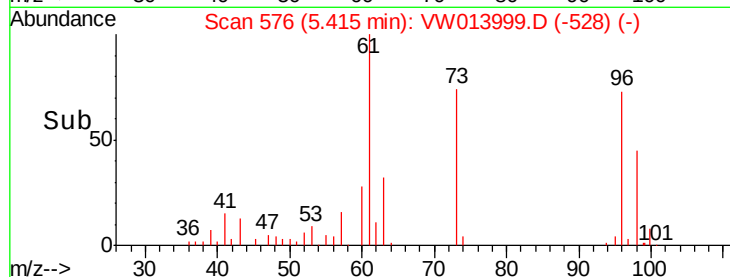
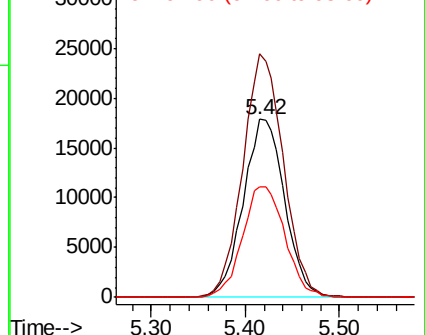
96 100

61 137.0 104.8 157.2

98 62.3 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: 21.075 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Tgt Ion: 45 Resp: 144586

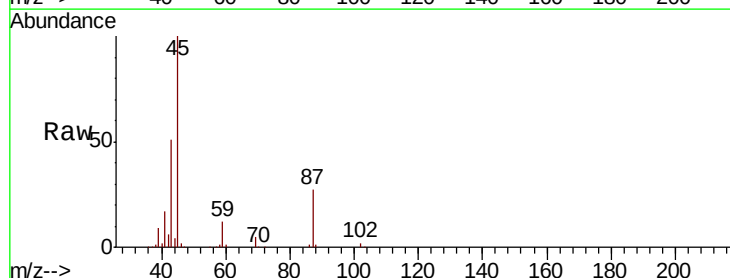
Ion Ratio Lower Upper

45 100

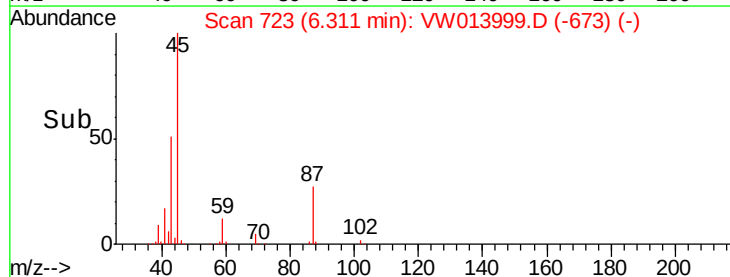
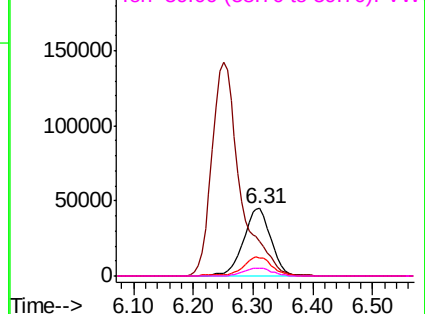
43 50.3 43.4 65.2

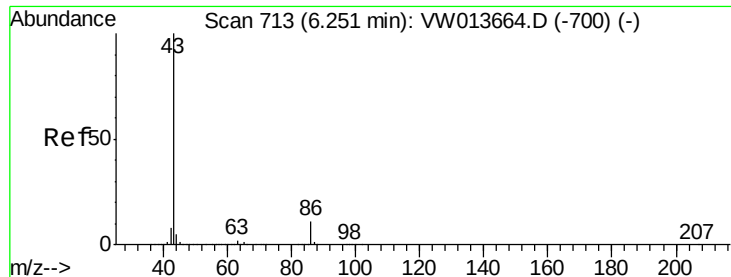
87 27.0 21.5 32.3

59 11.8 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: 116.714 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

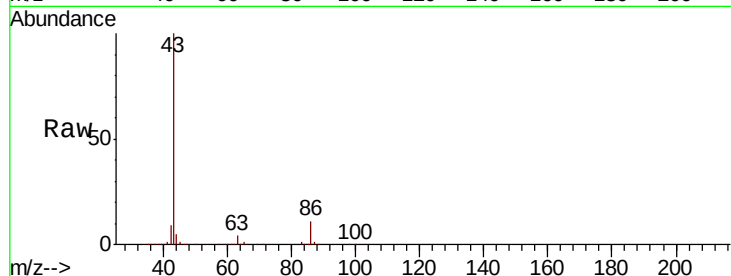
ClientSampleId :

Tot Ion: 43 Resp: 464617

Ion Ratio Lower Upper

43 100

86 10.7 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

150000

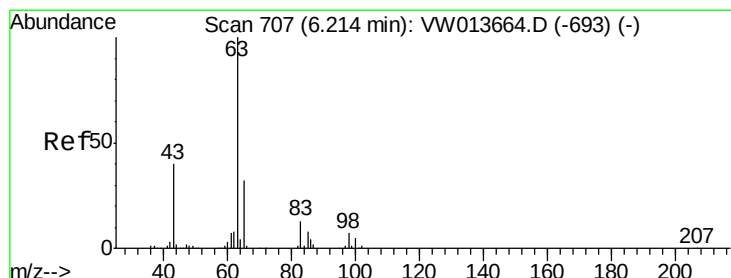
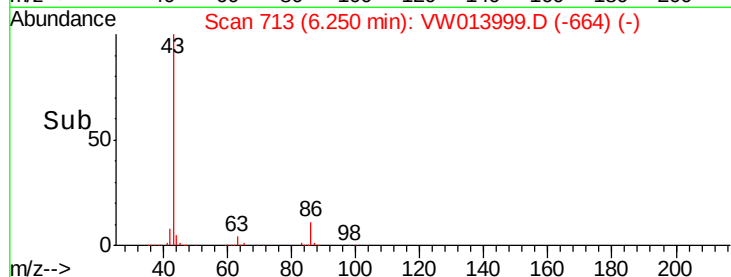
100000

50000

0

Time-->

6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 20.630 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

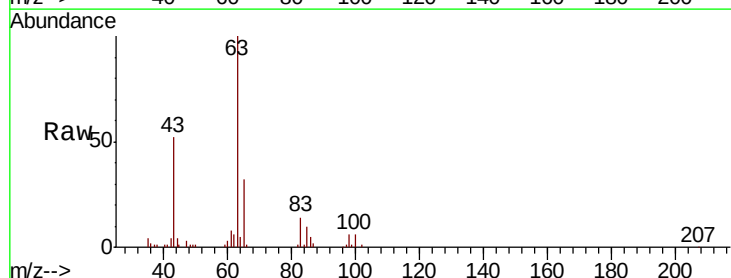
Tgt Ion: 63 Resp: 89637

Ion Ratio Lower Upper

63 100

98 5.9 3.6 10.9

100 5.8 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

30000

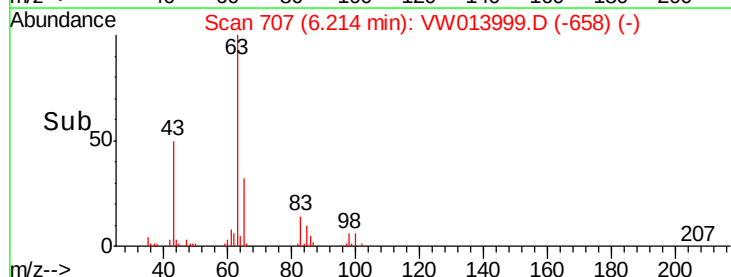
20000

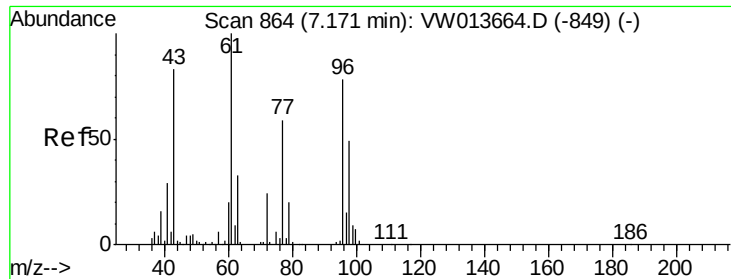
10000

0

Time-->

6.10 6.20 6.30





#25

2-Butanone

Concen: 141.570 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

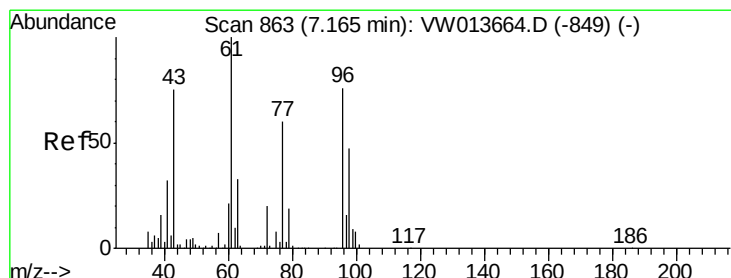
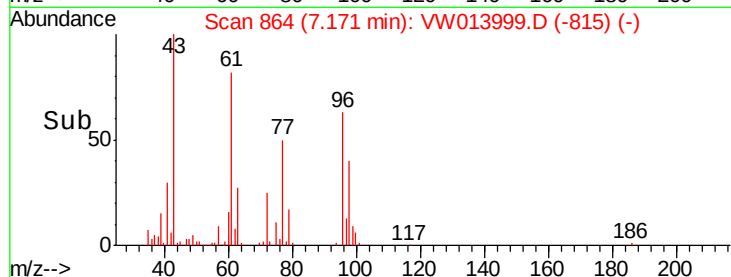
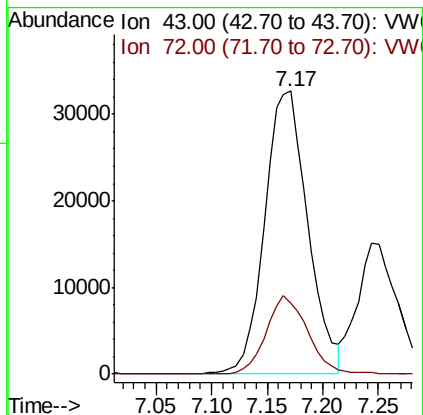
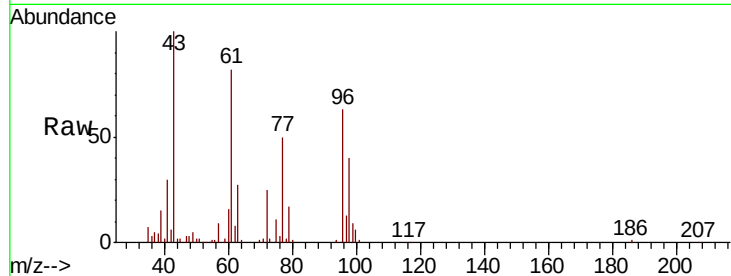
ClientSampled :

Tot Ion: 43 Resp: 88293

Ion Ratio Lower Upper

43 100

72 25.3 23.6 35.4



#26

2,2-Dichloropropane

Concen: 21.503 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013999.D

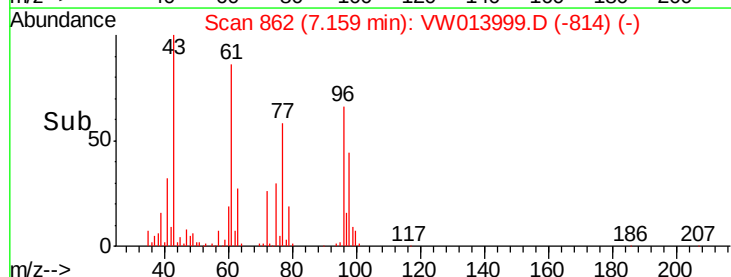
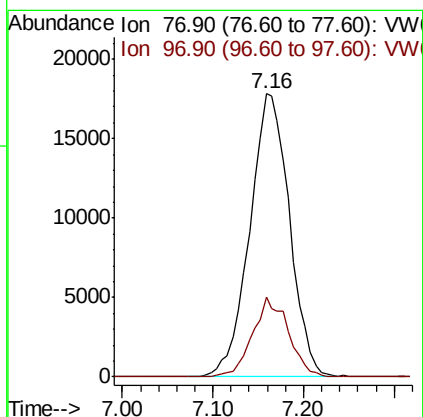
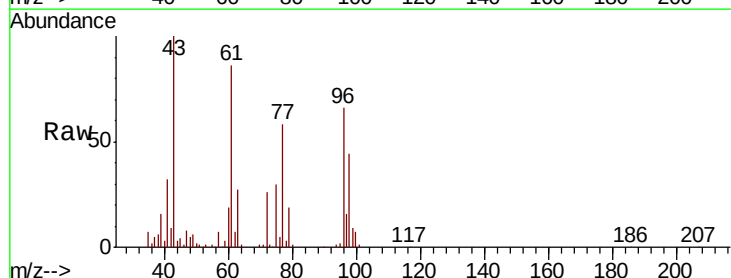
Acq: 13 Nov 2019 11:55

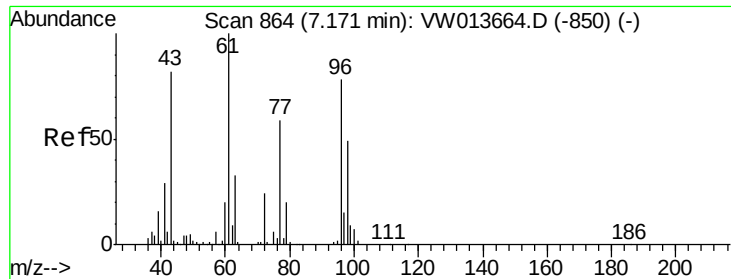
Tgt Ion: 77 Resp: 54027

Ion Ratio Lower Upper

77 100

97 25.2 12.8 38.4



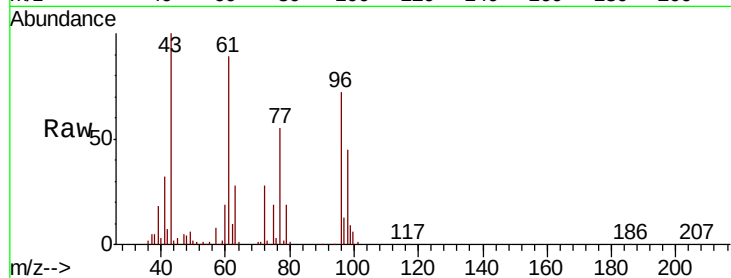


#27

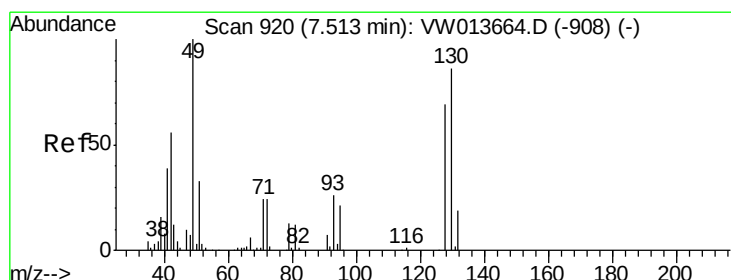
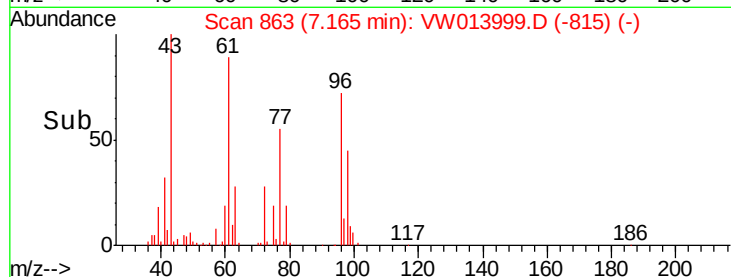
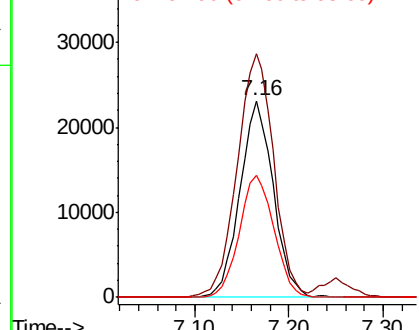
cis-1,2-Dichloroethene
Concen: 20.439 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	96	Resp	57153
Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	266.0
98	64.6	0.0	126.8



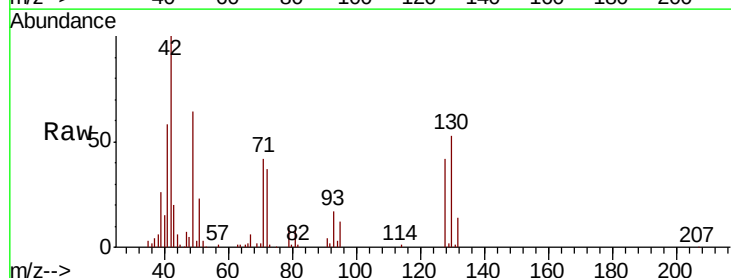
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



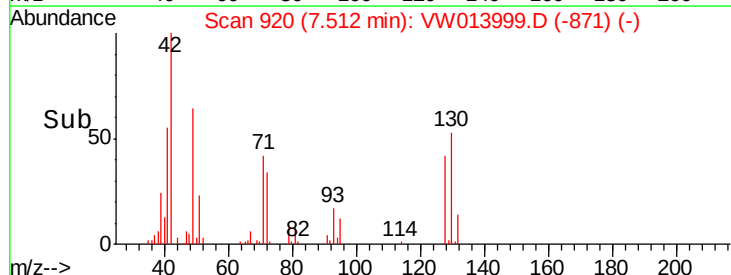
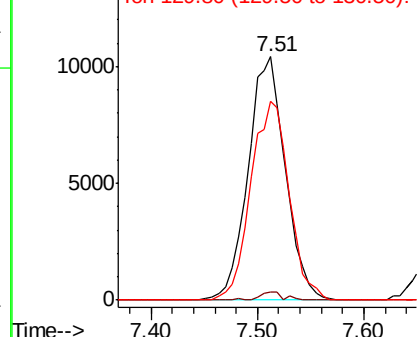
#28

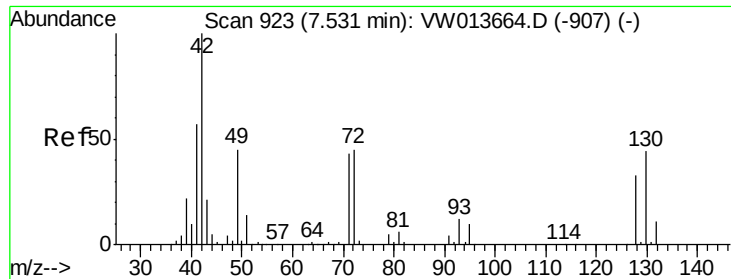
Bromochloromethane
Concen: 17.449 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Tgt Ion	49	Resp	25624
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	0.6#
130	83.6	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

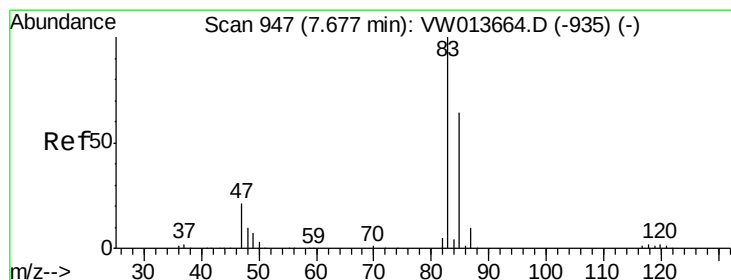
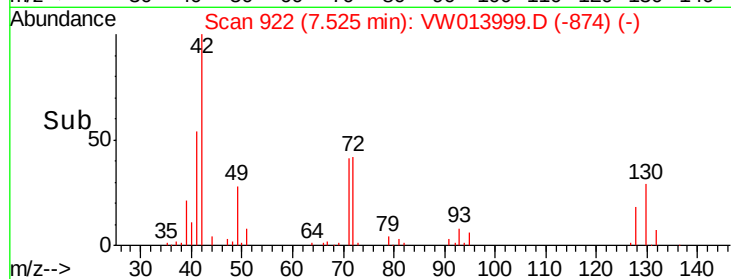
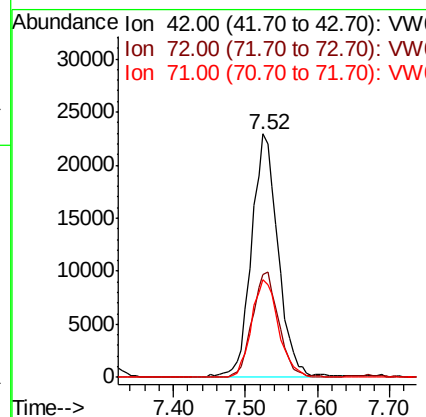
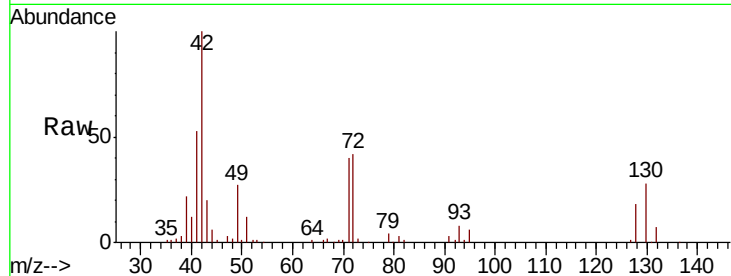




#29
Tetrahydrofuran
Concen: 152.767 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

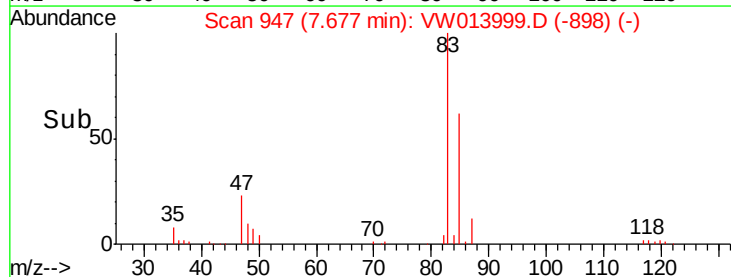
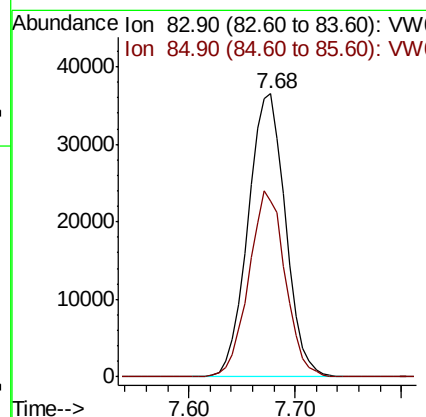
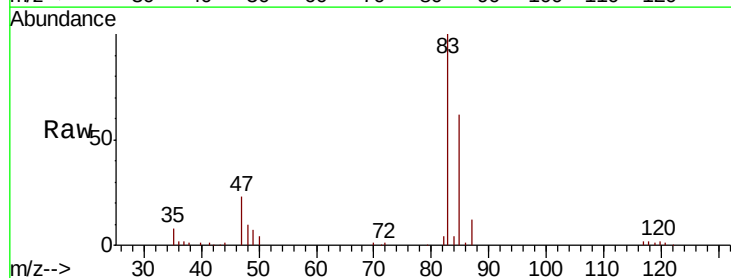
Instrument :
MSVOA_W
ClientSampled :

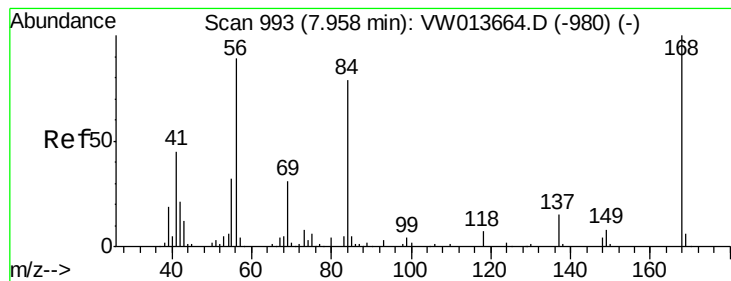
Tot Ion: 42 Resp: 58986
Ion Ratio Lower Upper
42 100
72 42.9 35.3 52.9
71 40.4 33.3 49.9



#30
Chloroform
Concen: 20.972 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Tgt Ion: 83 Resp: 90079
Ion Ratio Lower Upper
83 100
85 62.0 51.4 77.2





#31

Cyclohexane

Concen: 20.874 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :

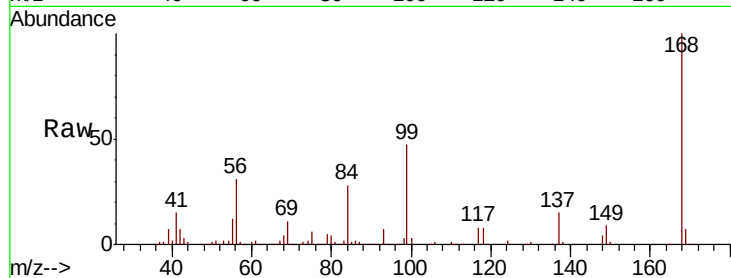
Tot Ion: 56 Resp: 94914

Ion Ratio Lower Upper

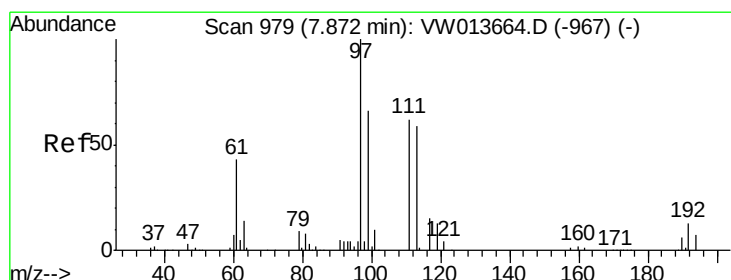
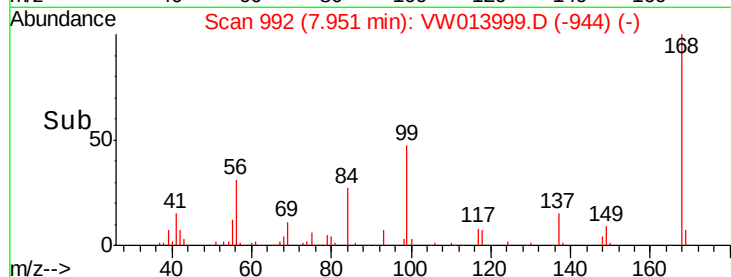
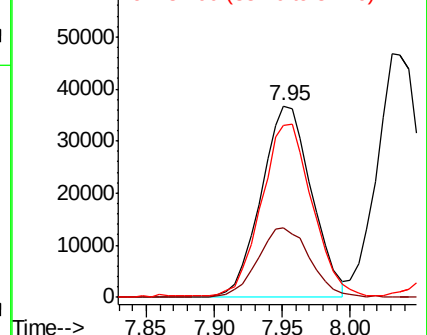
56 100

69 36.4 27.5 41.3

84 88.7 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: 22.049 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

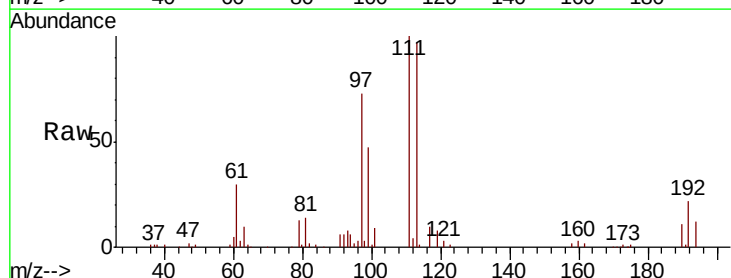
Tgt Ion: 97 Resp: 74318

Ion Ratio Lower Upper

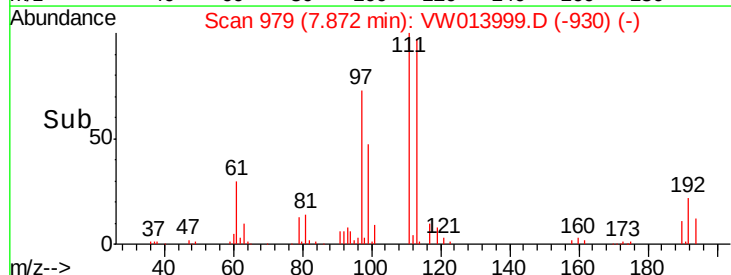
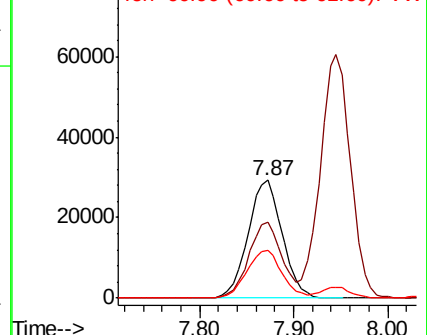
97 100

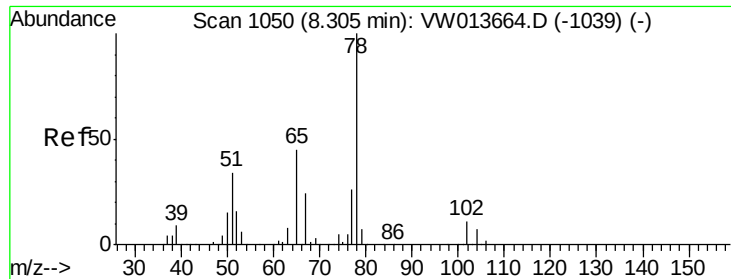
99 62.2 52.0 78.0

61 41.6 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

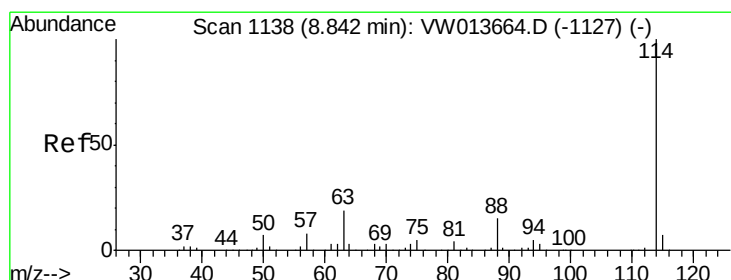
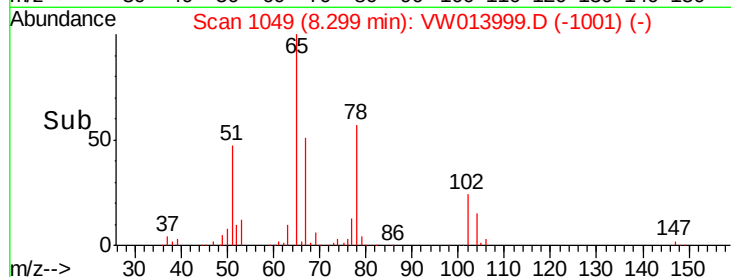
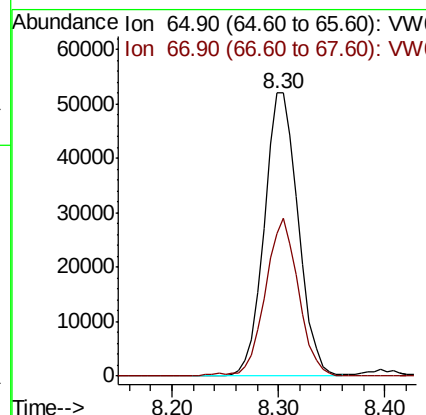
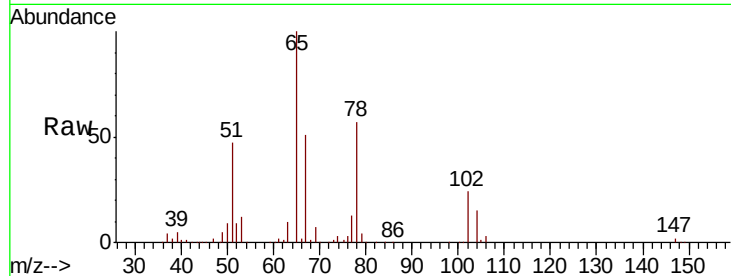




#33
 1,2-Dichloroethane-d4
 Concen: 56.489 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

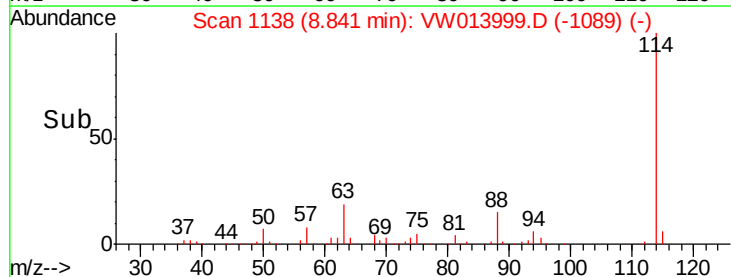
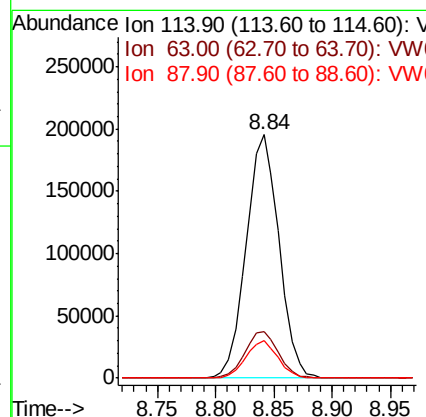
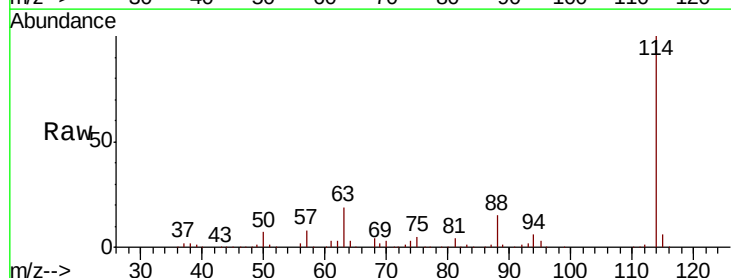
Instrument :
 MSVOA_W
 ClientSampled :

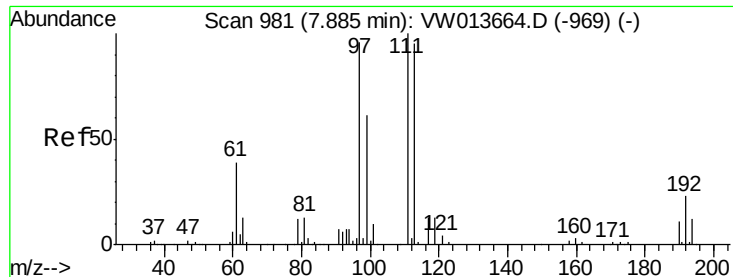
Tot Ion: 65 Resp: 115573
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Tgt Ion: 114 Resp: 383565
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.6
 88 15.2 0.0 30.2

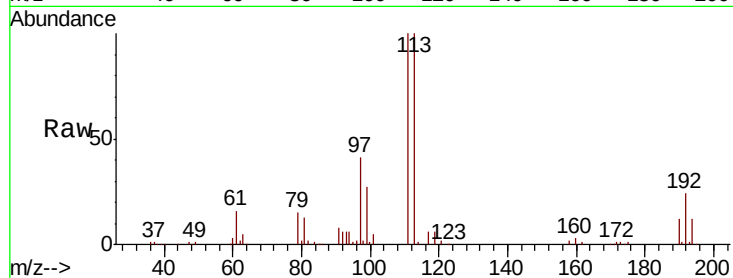




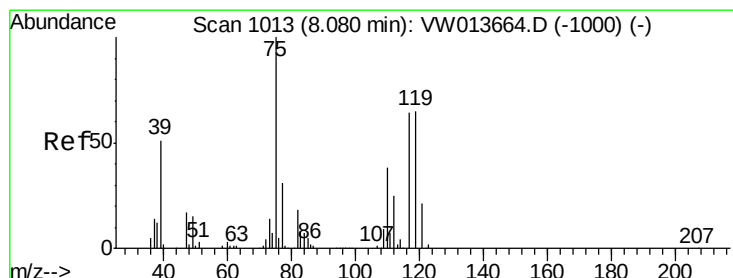
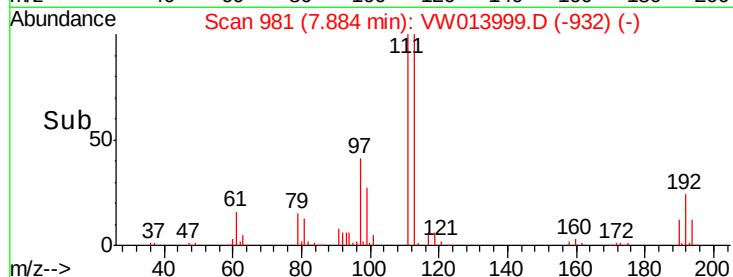
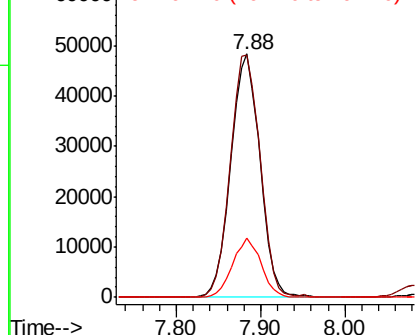
#35
 Dibromofluoromethane
 Concen: 53.222 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 113432
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.0 124.6
 192 23.6 19.4 29.2

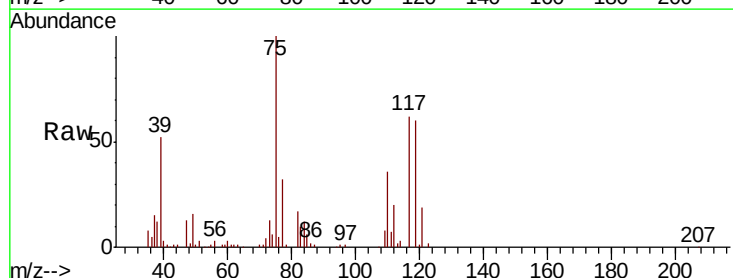


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

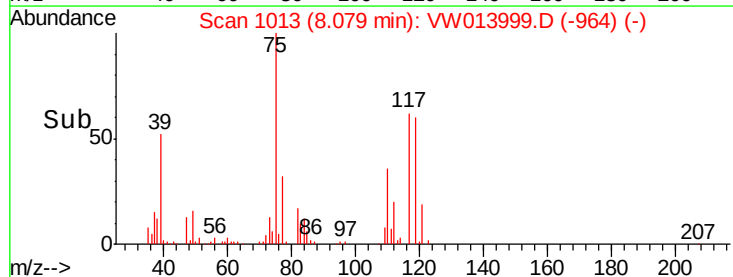
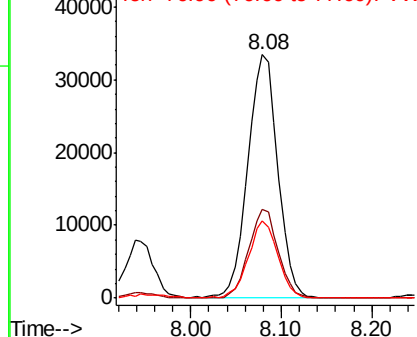


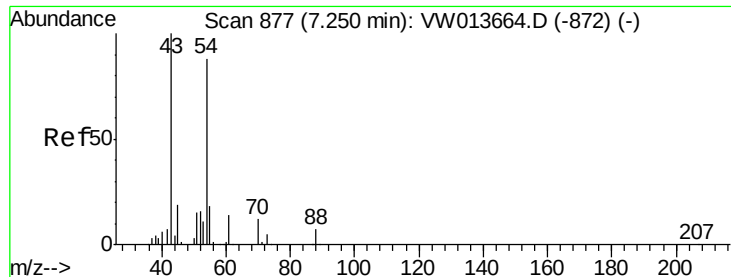
#36
 1,1-Dichloropropene
 Concen: 21.448 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Tgt Ion: 75 Resp: 76616
 Ion Ratio Lower Upper
 75 100
 110 35.5 18.7 56.1
 77 31.2 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

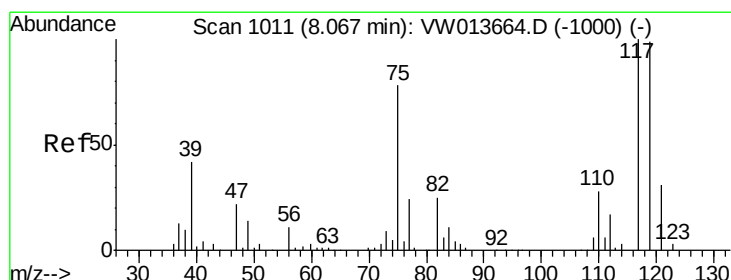
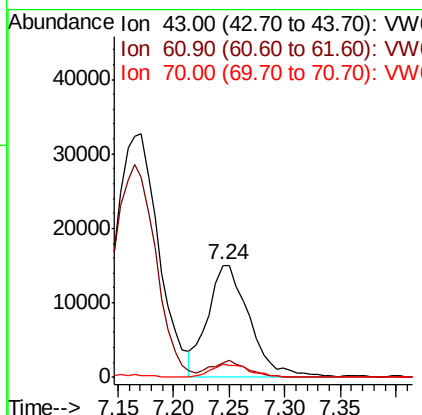
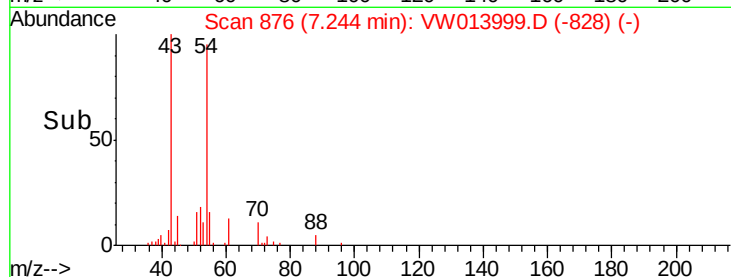
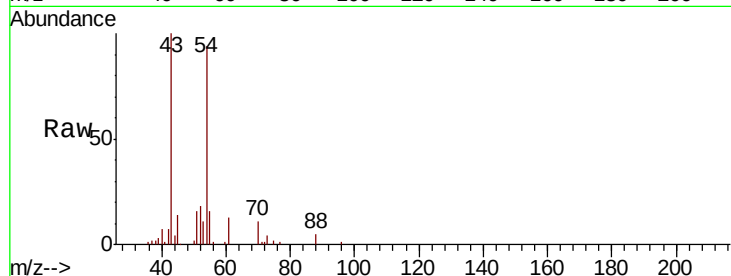




#37
Ethyl Acetate
Concen: 28.291 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

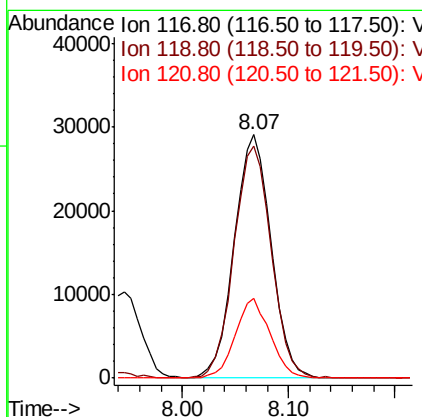
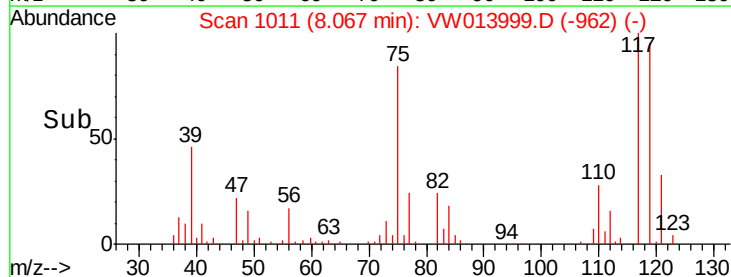
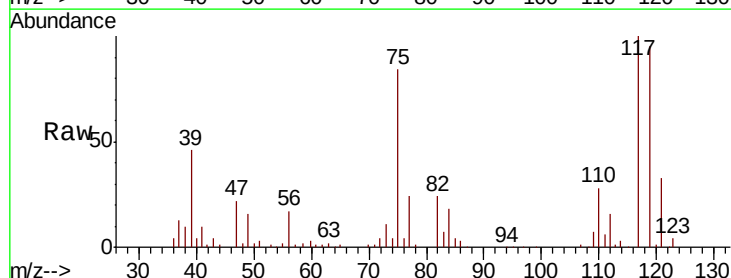
Instrument :
MSVOA_W
ClientSampled :

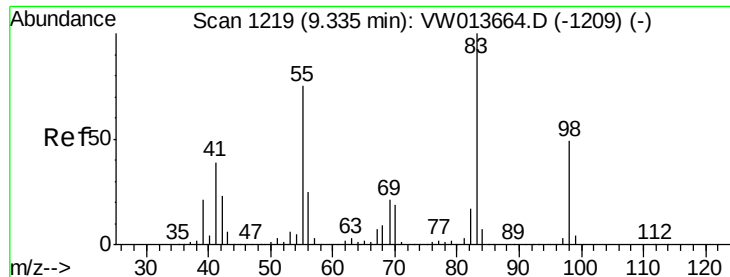
Tot Ion: 43 Resp: 38686
Ion Ratio Lower Upper
43 100
61 13.0 11.7 17.5
70 11.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 21.988 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Tgt Ion: 117 Resp: 70731
Ion Ratio Lower Upper
117 100
119 95.4 79.0 118.4
121 32.8 24.5 36.7

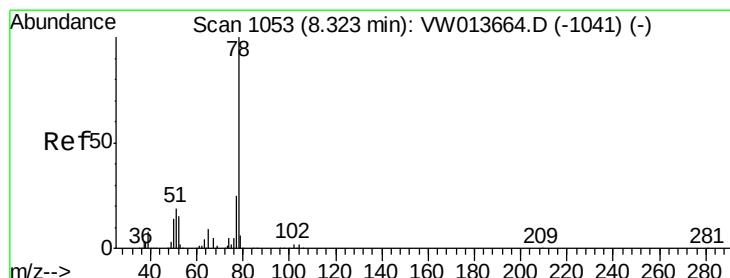
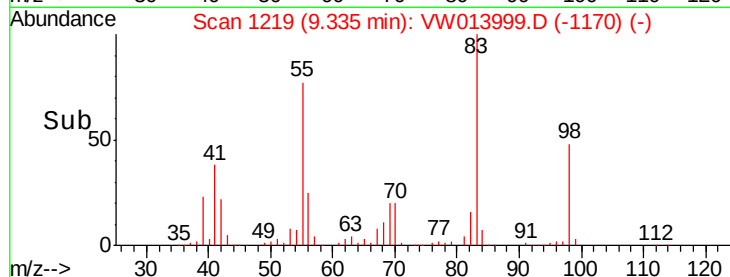
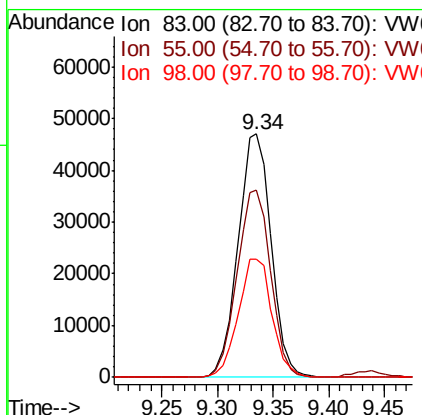
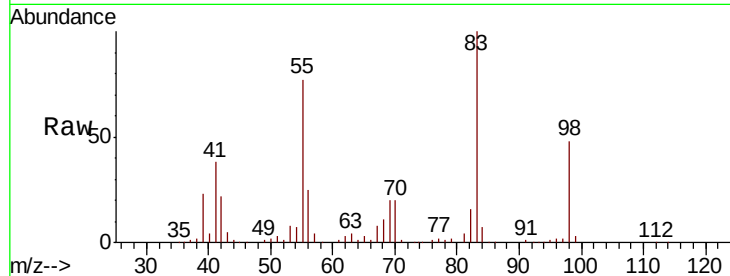




#39
Methylvlcyclohexane
Concen: 21.033 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

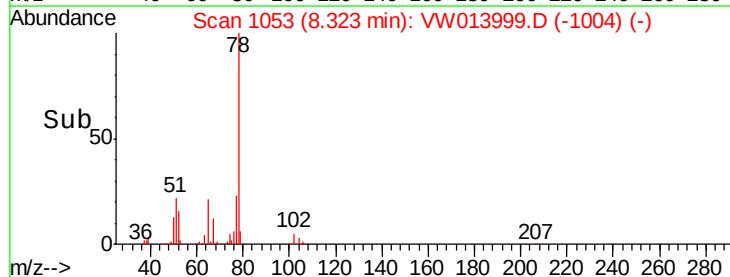
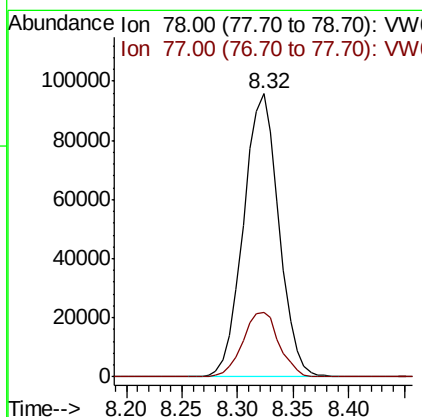
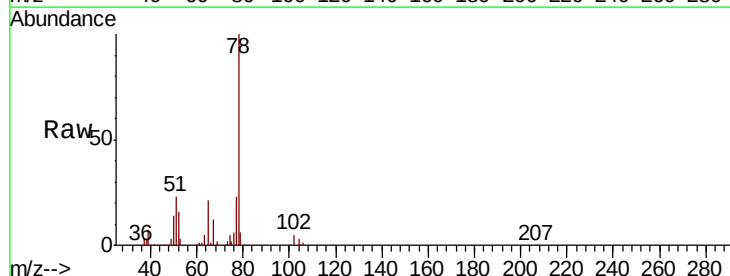
Instrument :
MSVOA_W
ClientSampleId :

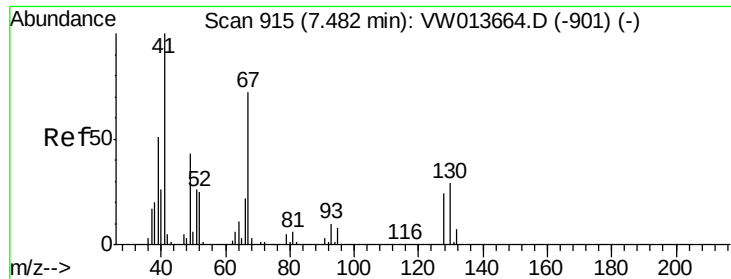
Tot Ion: 83 Resp: 97029
Ion Ratio Lower Upper
83 100
55 76.9 59.9 89.9
98 48.3 39.4 59.2



#40
Benzene
Concen: 20.936 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Tgt Ion: 78 Resp: 211643
Ion Ratio Lower Upper
78 100
77 22.7 19.6 29.4

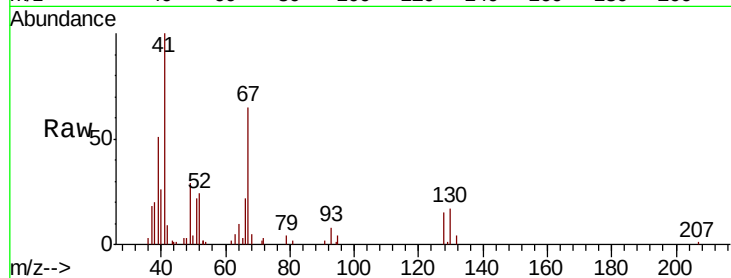




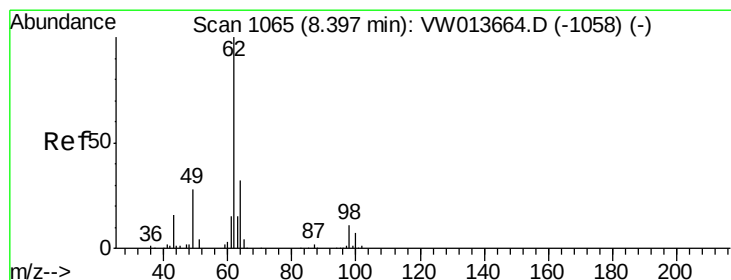
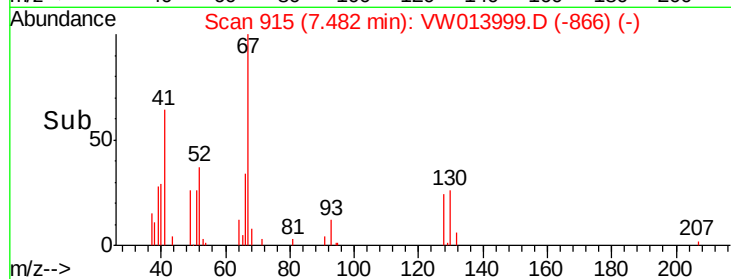
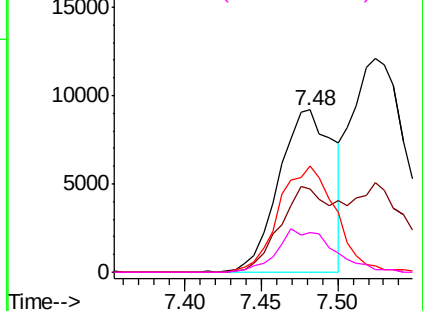
#41
Methacrylonitrile
Concen: 26.830 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	22878
Ion	Ratio	Lower	Upper
41	100		
39	44.8	44.8	67.2
67	68.7	59.3	88.9
52	27.3	23.4	35.0

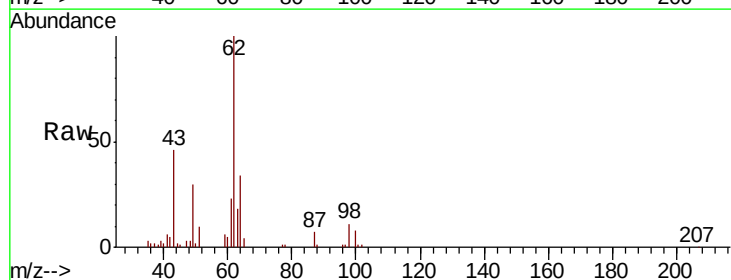


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

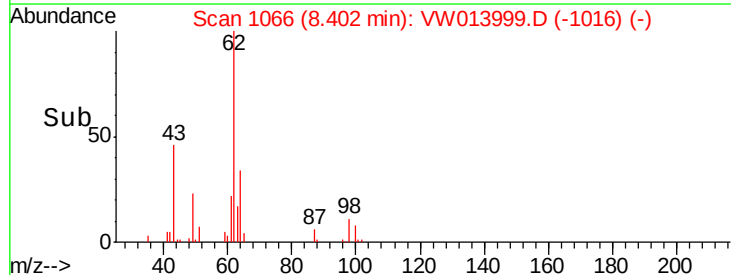
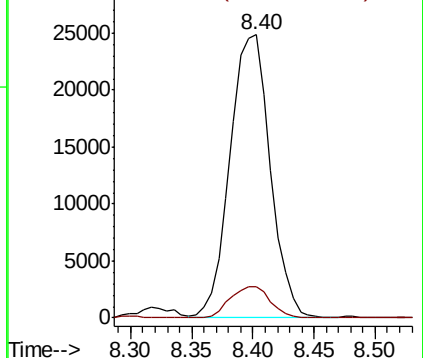


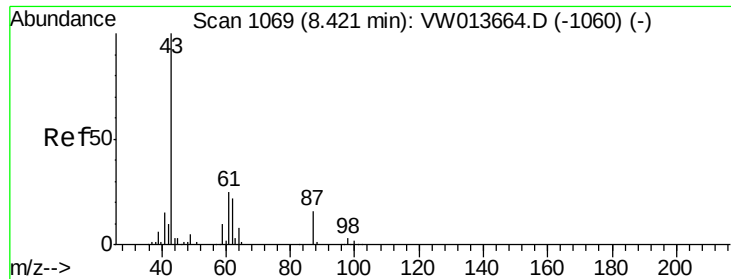
#42
1,2-Dichloroethane
Concen: 22.152 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Tgt Ion:	62	Resp:	56433
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	22.4



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





#43

Isopropyl Acetate

Concen: 26.112 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

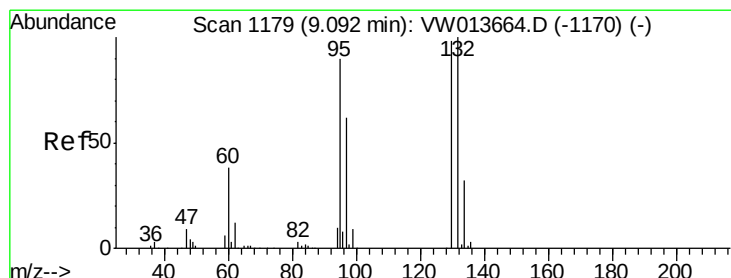
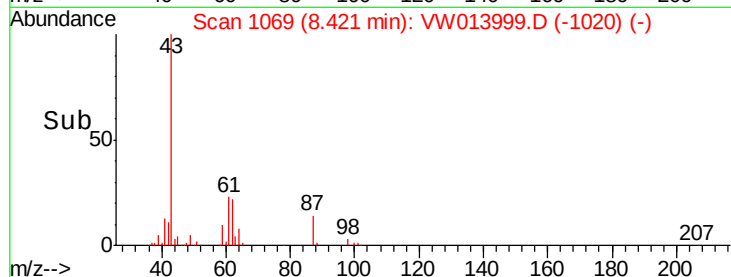
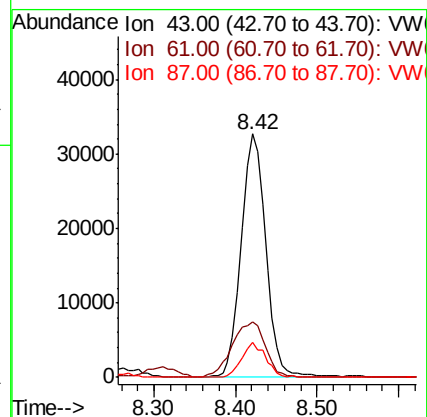
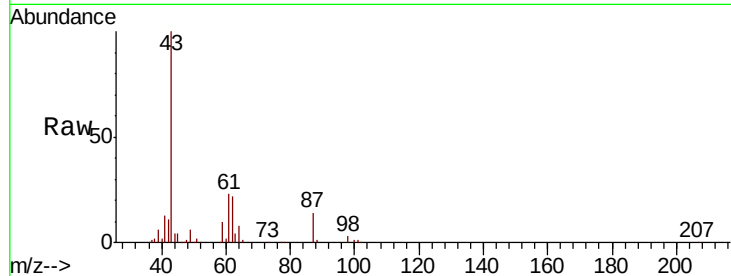
Tot Ion: 43 Resp: 68346

Ion Ratio Lower Upper

43 100

61 30.8 26.1 39.1

87 13.6 11.4 17.0



#44

Trichloroethene

Concen: 20.493 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013999.D

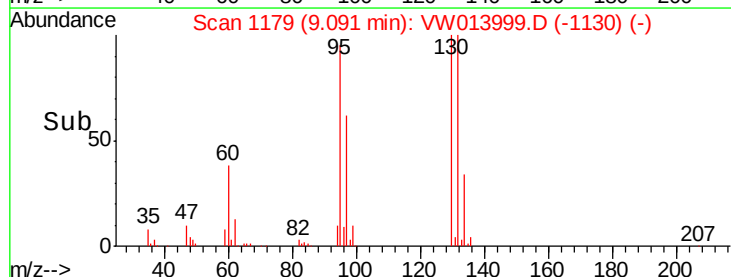
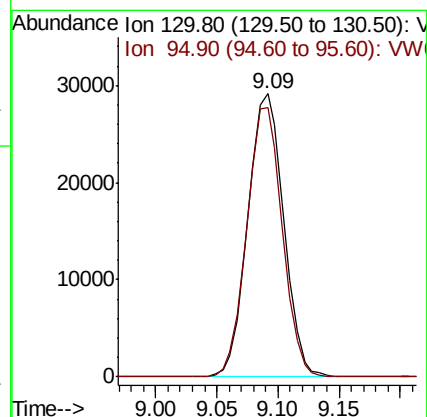
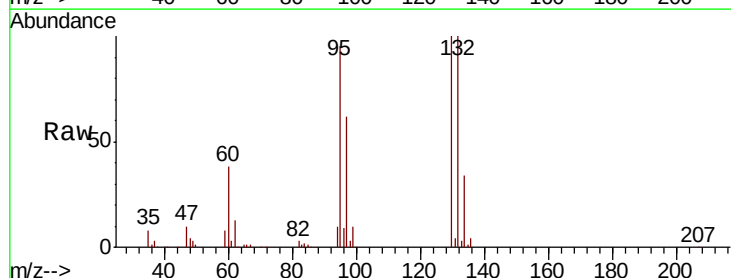
Acq: 13 Nov 2019 11:55

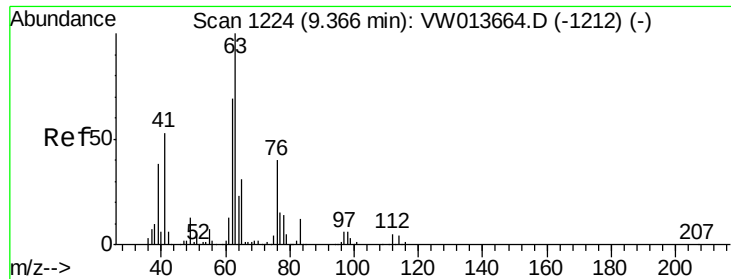
Tgt Ion:130 Resp: 59344

Ion Ratio Lower Upper

130 100

95 94.9 0.0 184.6

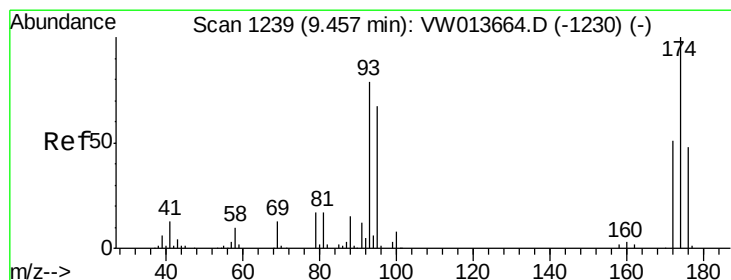
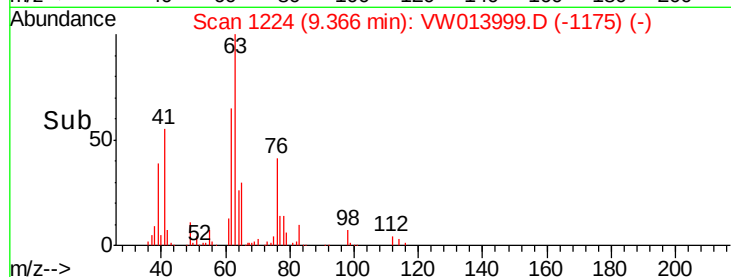
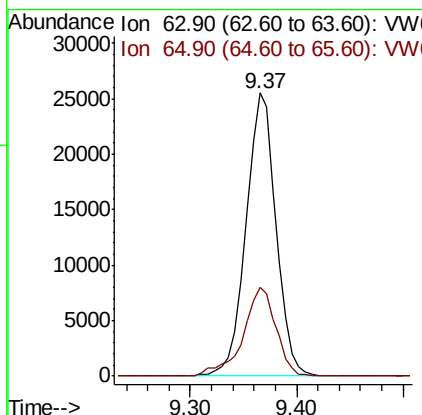
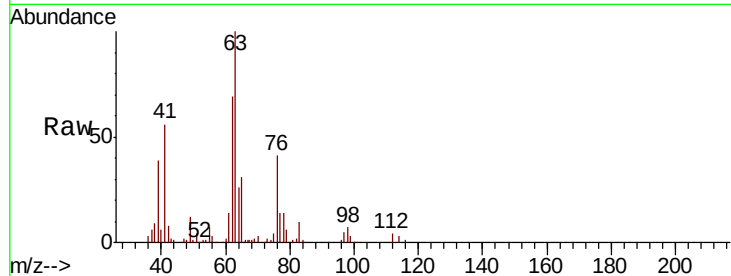




#45
 1,2-Dichloropropane
 Concen: 20.879 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

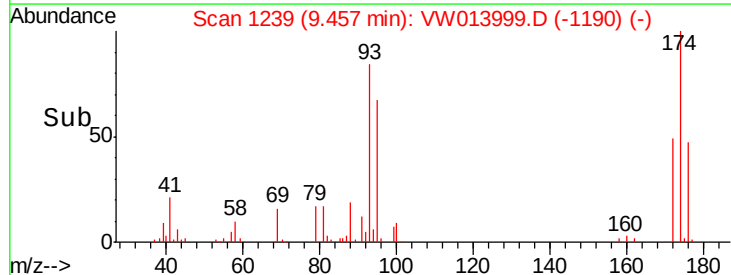
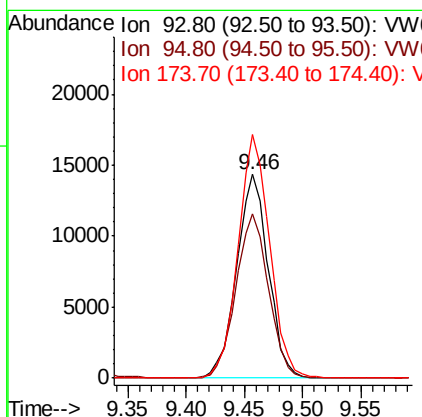
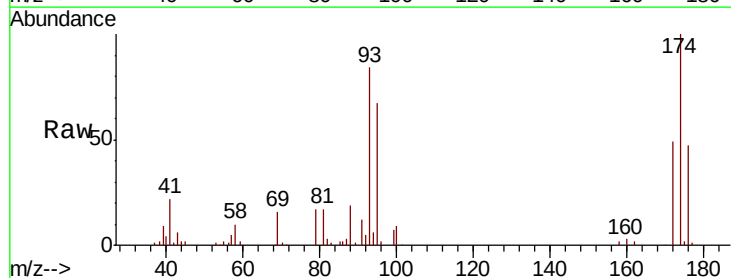
Instrument :
 MSVOA_W
 ClientSampleId :

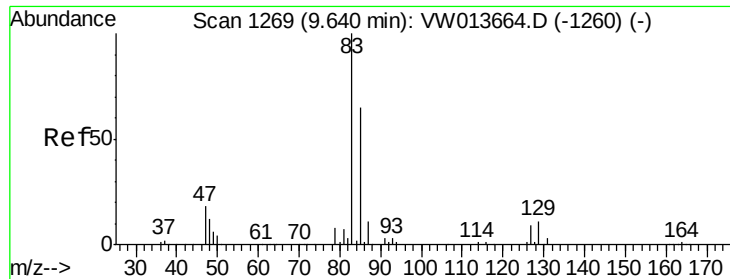
Tot Ion: 63 Resp: 50415
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.2 37.8



#46
 Dibromomethane
 Concen: 23.231 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Tgt Ion: 93 Resp: 27226
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.5 99.7
 174 119.3 99.6 149.4

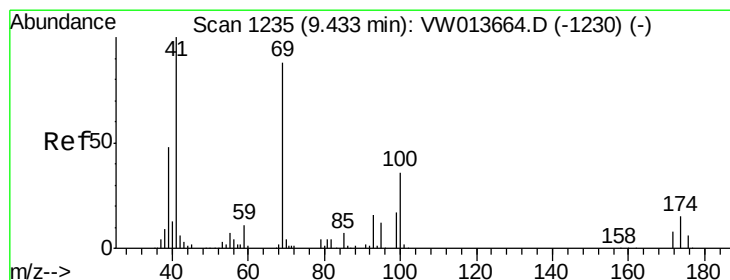
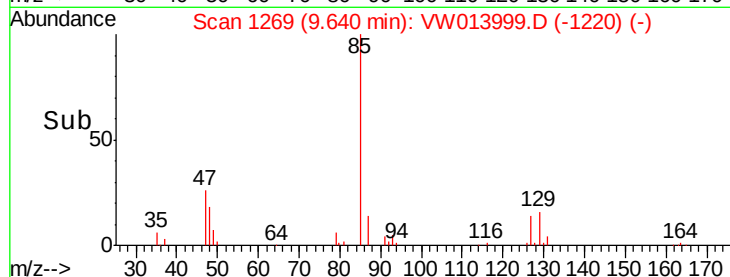
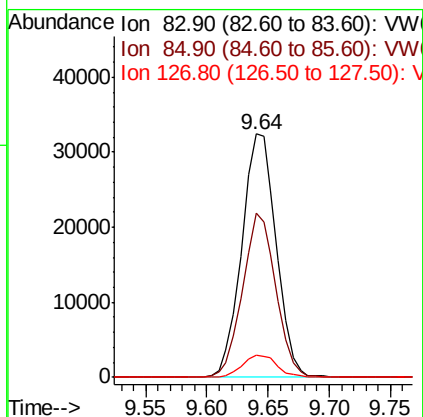
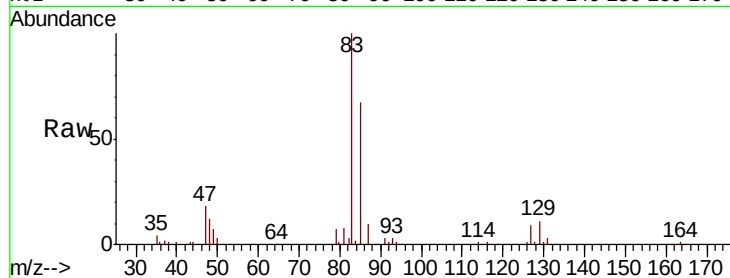




#47
Bromodichloromethane
Concen: 20.892 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

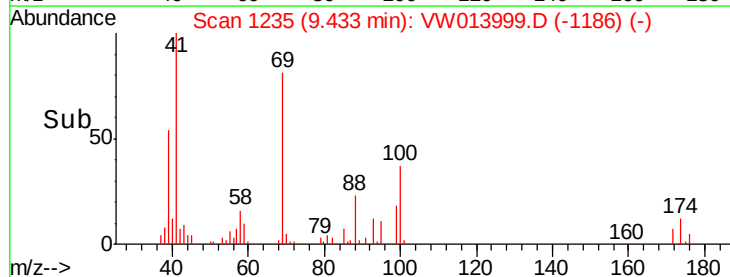
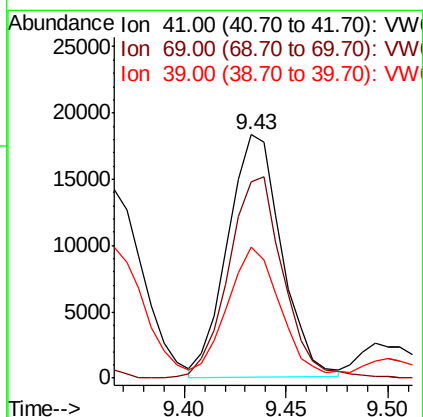
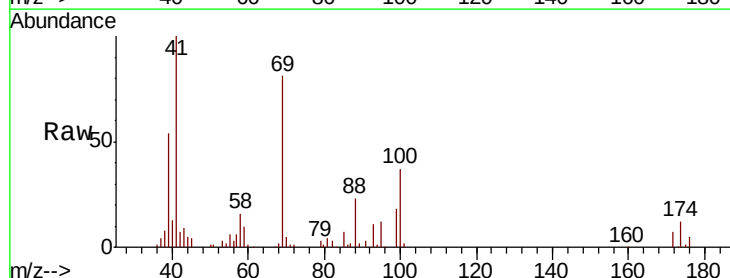
Instrument :
MSVOA_W
ClientSampleId :

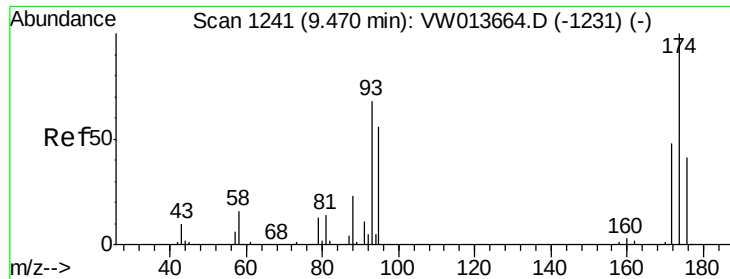
Tot Ion: 83 Resp: 63352
Ion Ratio Lower Upper
83 100
85 67.3 51.8 77.6
127 9.3 7.3 10.9



#48
Methyl methacrylate
Concen: 25.849 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Tgt Ion: 41 Resp: 33552
Ion Ratio Lower Upper
41 100
69 84.3 67.6 101.4
39 48.8 38.6 58.0

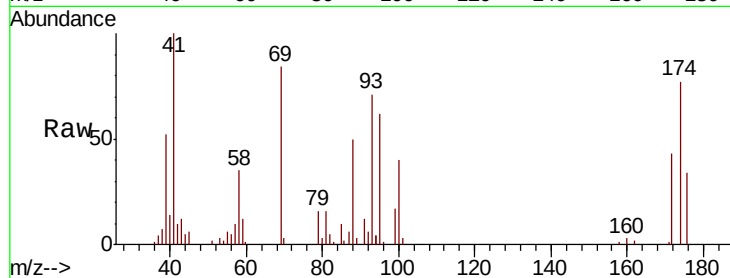




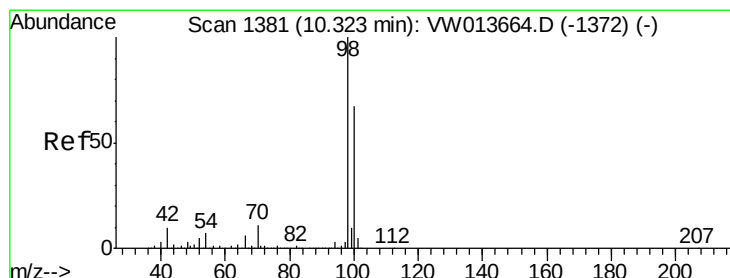
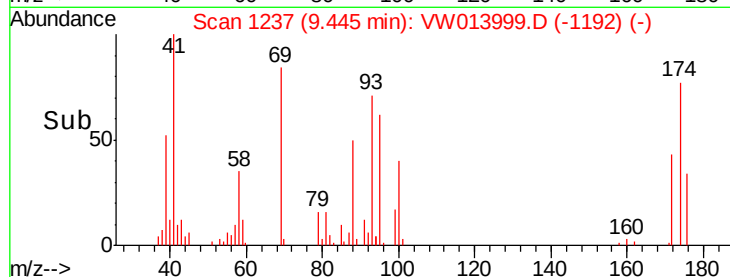
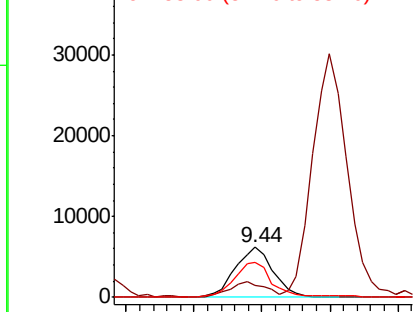
#49
1,4-Dioxane
Concen: 696.315 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 12059
Ion Ratio Lower Upper
88 100
43 30.2 0.0 0.0#
58 69.7 58.9 88.3

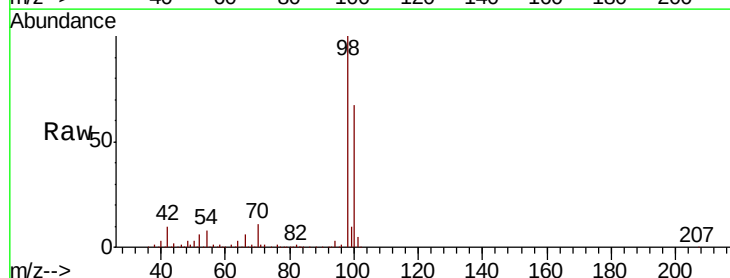


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

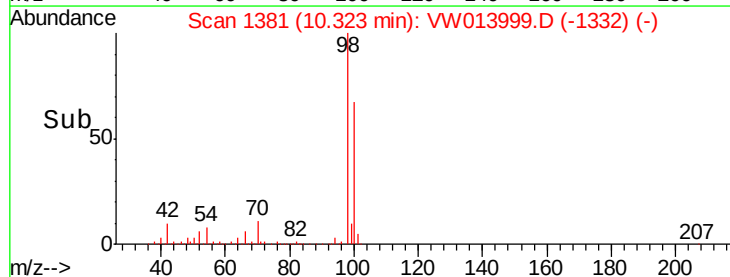
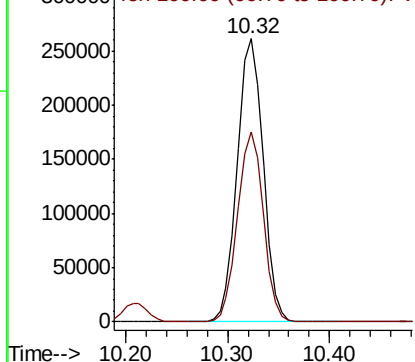


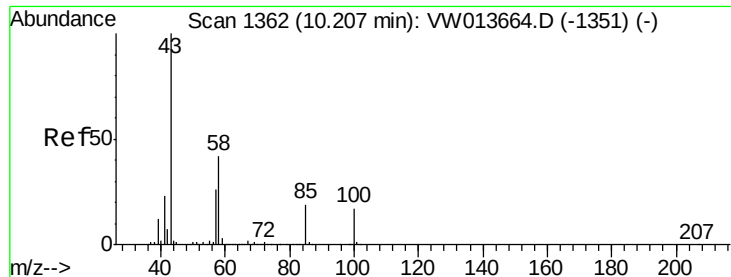
#50
Toluene-d8
Concen: 53.030 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Tgt Ion: 98 Resp: 460536
Ion Ratio Lower Upper
98 100
100 66.6 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: 140.304 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

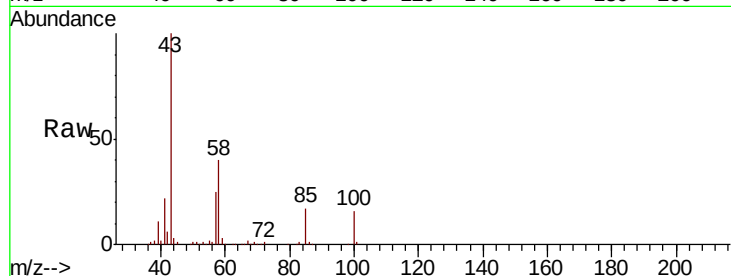
ClientSampleId :

Tot Ion: 43 Resp: 182487

Ion Ratio Lower Upper

43 100

58 40.7 32.6 49.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

120000

100000

80000

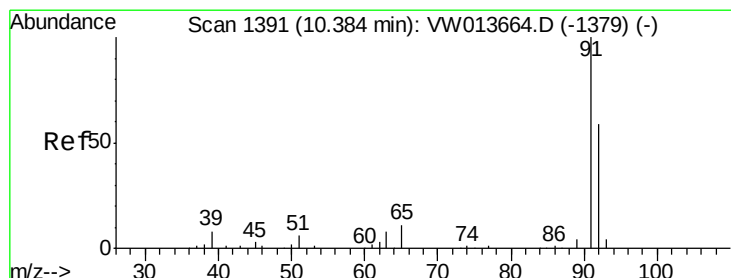
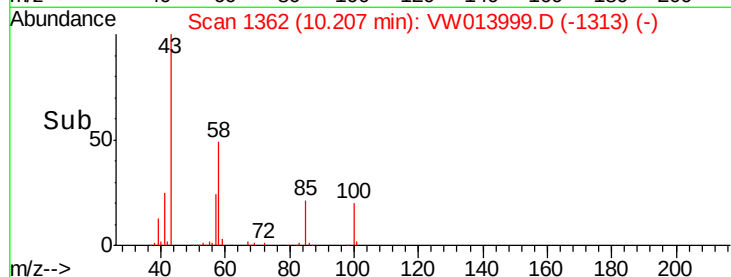
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 21.024 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013999.D

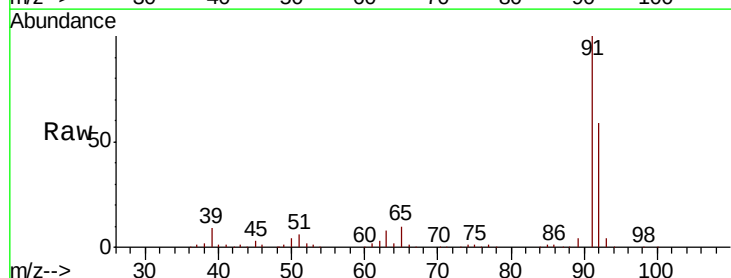
Acq: 13 Nov 2019 11:55

Tgt Ion: 92 Resp: 137097

Ion Ratio Lower Upper

92 100

91 169.6 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

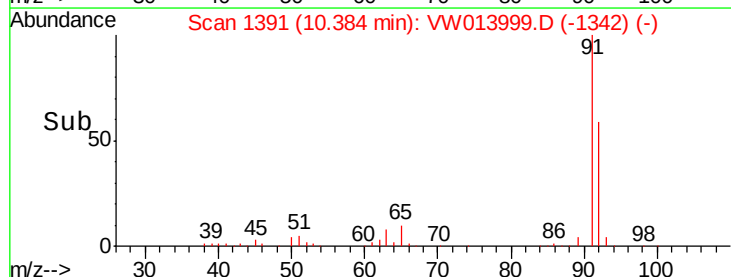
150000

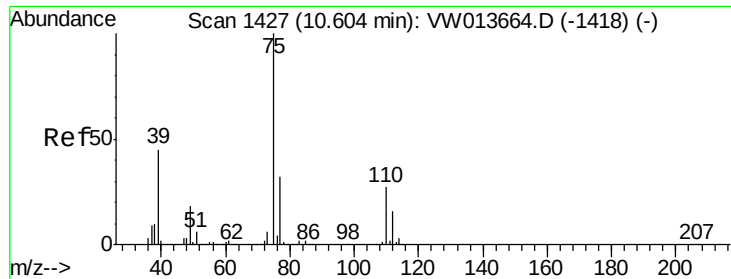
100000

50000

0

Time-->

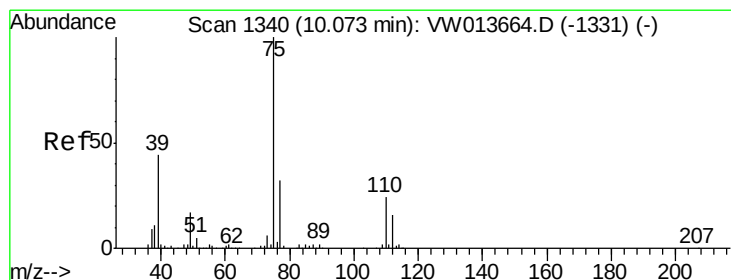
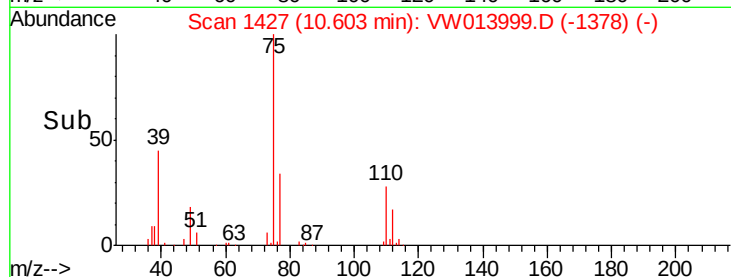
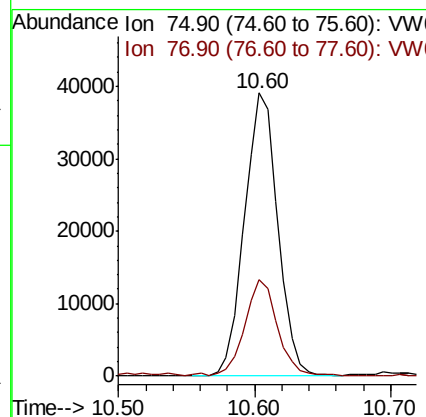
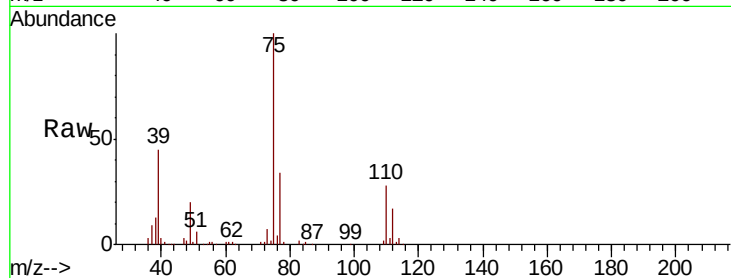




#53
 t-1,3-Dichloropropene
 Concen: 21.823 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

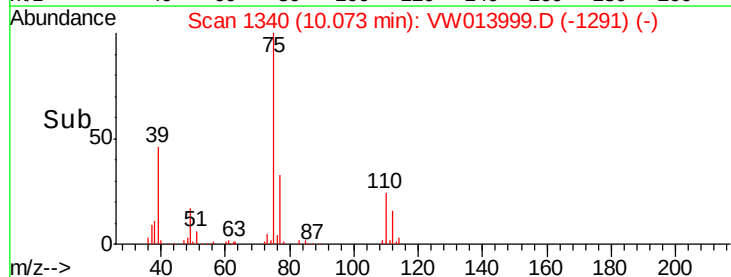
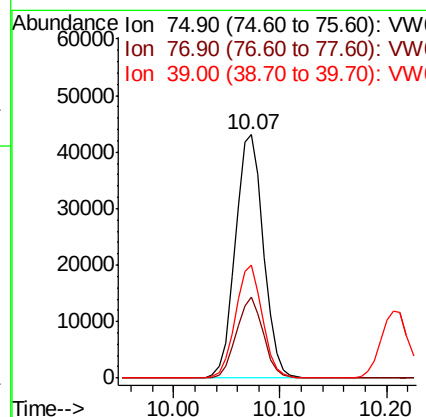
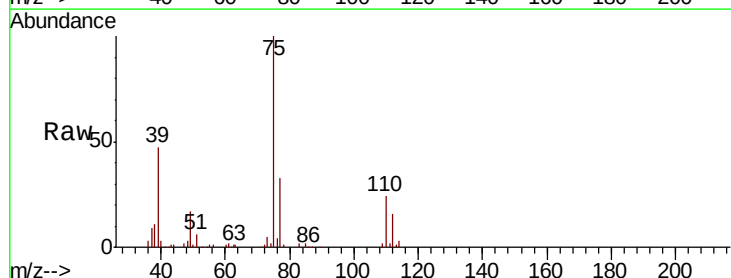
Instrument :
 MSVOA_W
 ClientSampleId :

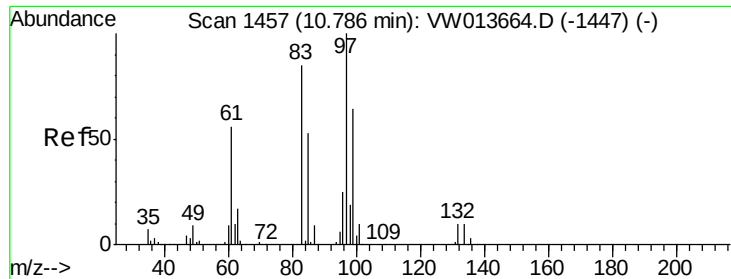
Tot Ion: 75 Resp: 66993
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 21.060 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Tgt Ion: 75 Resp: 79765
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.8 38.6
 39 46.6 35.3 52.9

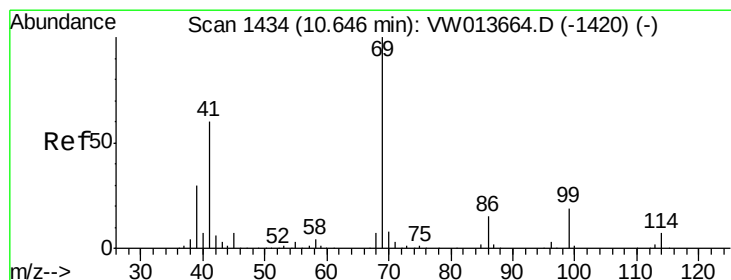
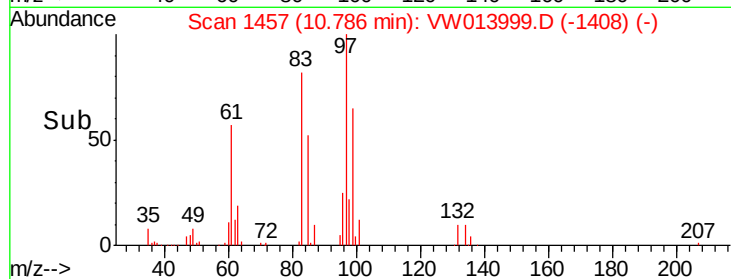
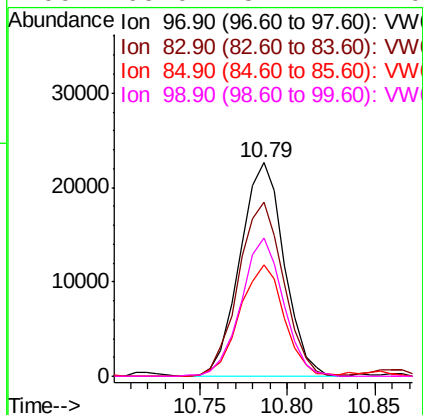
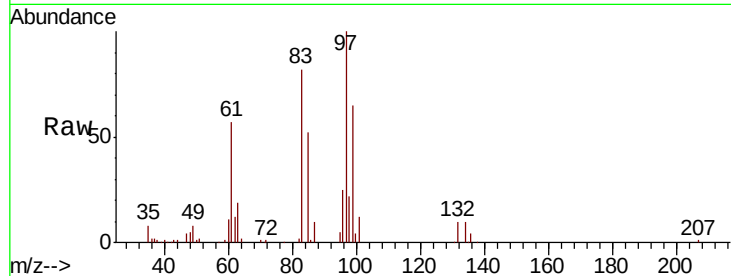




#55
 1,1,2-Trichloroethane
 Concen: 22.819 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

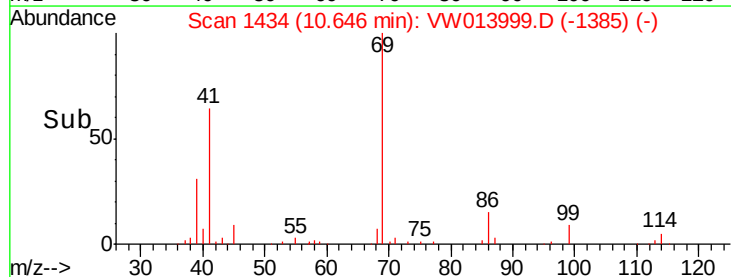
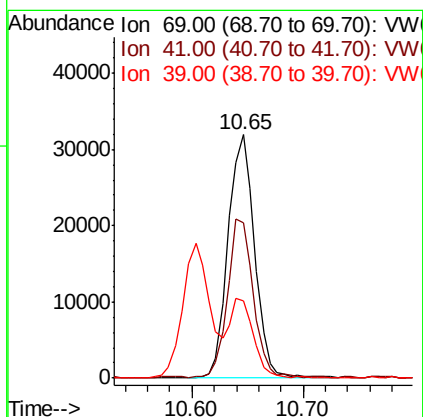
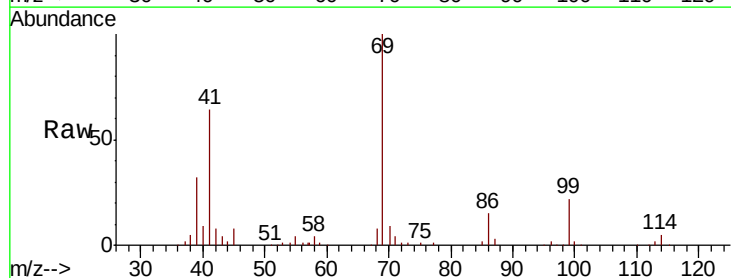
Instrument :
 MSVOA_W
 ClientSampleId :

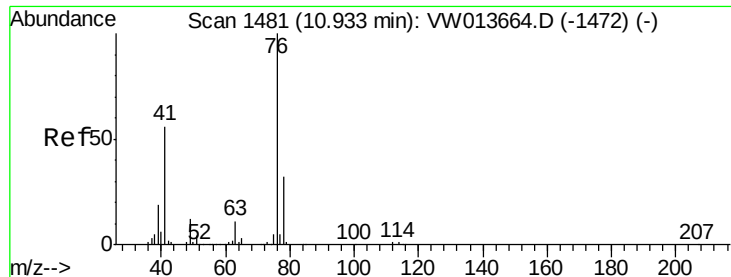
Tot Ion:	97	Resp:	39856
Ion	Ratio	Lower	Upper
97	100		
83	81.5	67.8	101.8
85	52.1	42.1	63.1
99	65.0	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 24.159 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Tgt Ion:	69	Resp:	52793
Ion	Ratio	Lower	Upper
69	100		
41	62.3	51.6	77.4
39	29.1	22.4	33.6

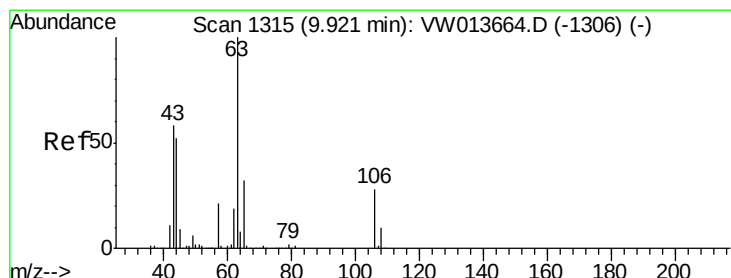
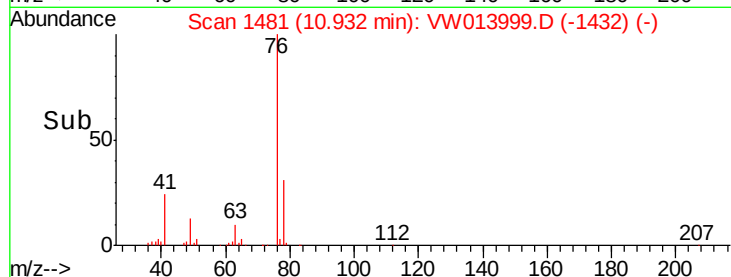
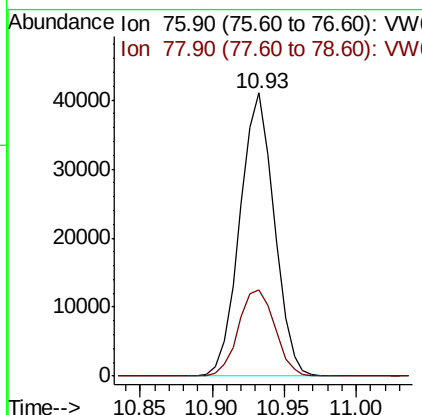
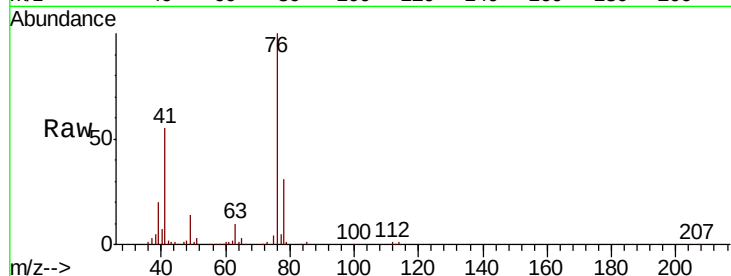




#57
 1,3-Dichloropropane
 Concen: 22.652 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

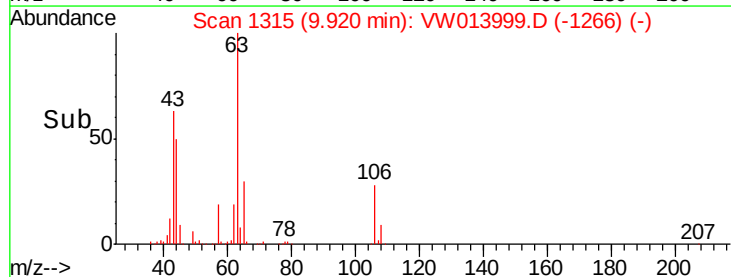
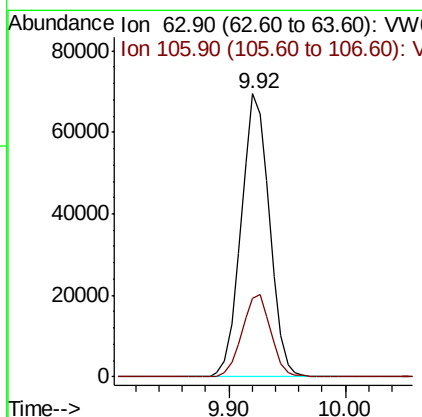
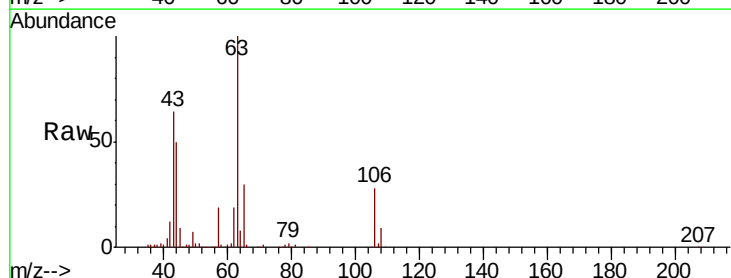
Instrument :
 MSVOA_W
 ClientSampled :

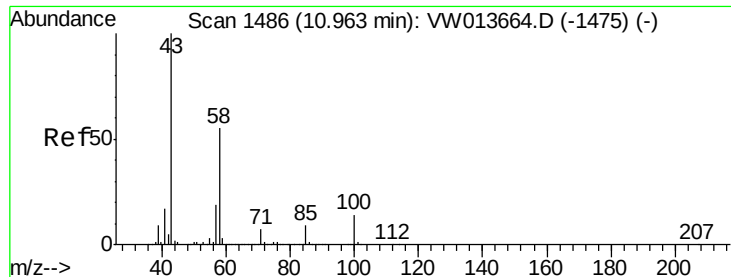
Tot Ion: 76 Resp: 67897
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.640 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Tgt Ion: 63 Resp: 118315
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.8 35.8

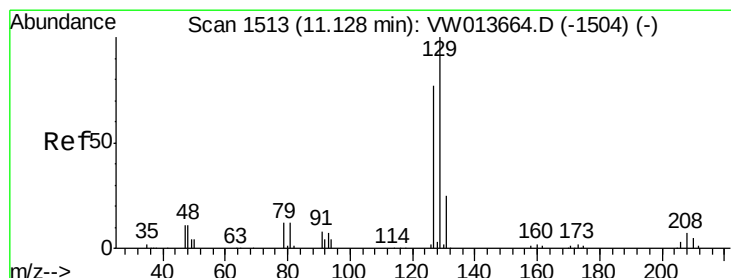
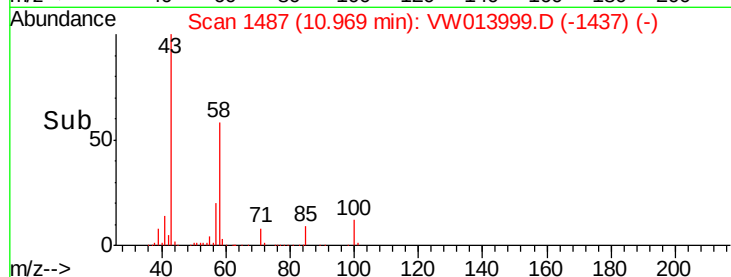
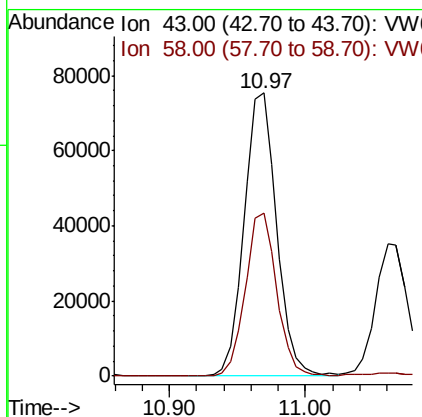
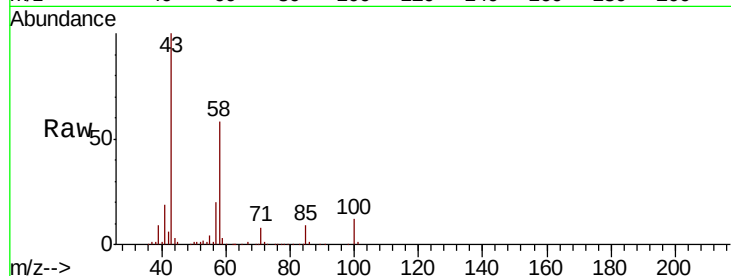




#59
2-Hexanone
Concen: 140.807 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

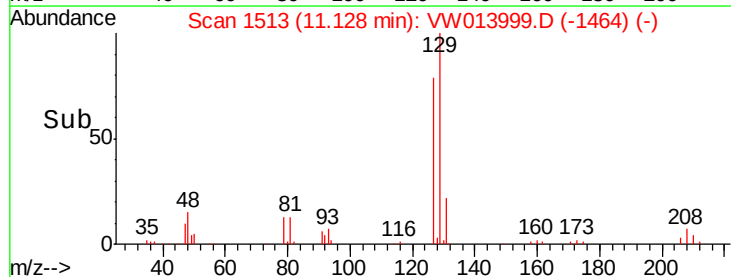
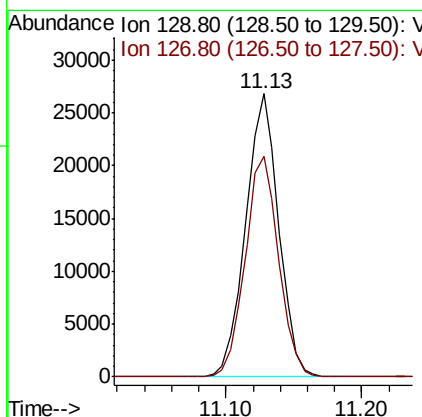
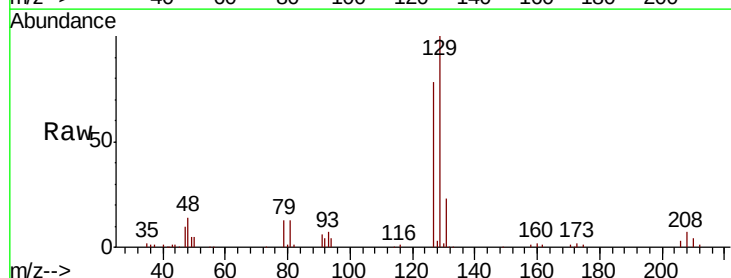
Instrument :
MSVOA_W
ClientSampled :

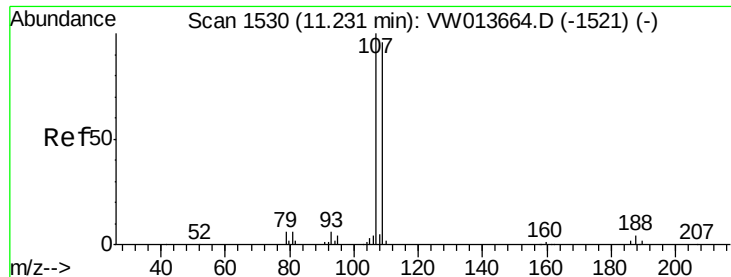
Tot Ion: 43 Resp: 126256
Ion Ratio Lower Upper
43 100
58 55.8 27.9 83.7



#60
Dibromochloromethane
Concen: 21.930 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Tgt Ion:129 Resp: 45478
Ion Ratio Lower Upper
129 100
127 78.9 38.9 116.7

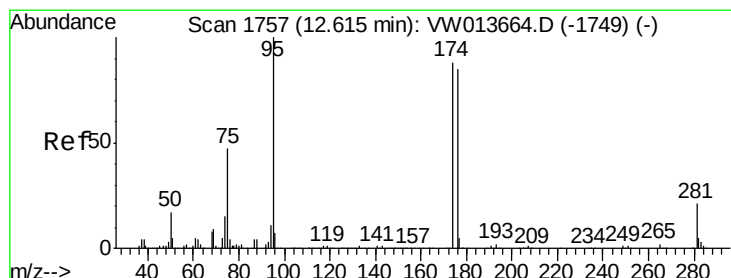
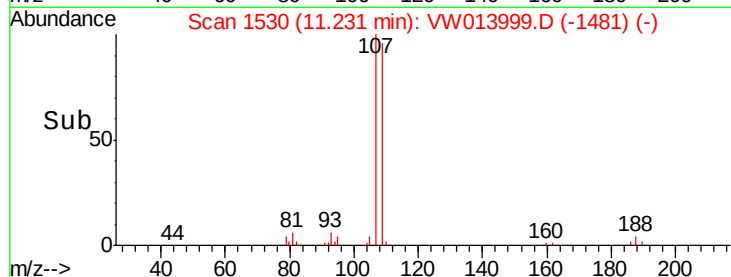
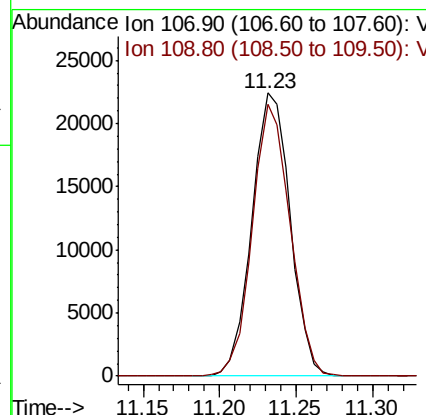
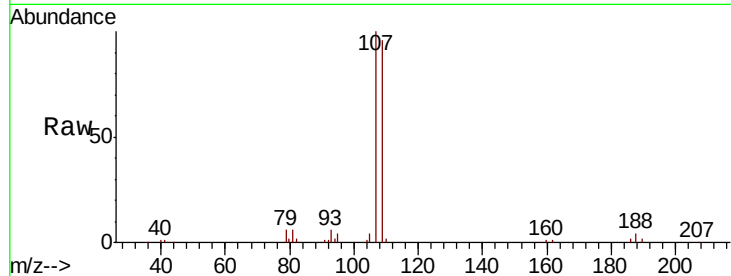




#61
 1,2-Dibromoethane
 Concen: 23.687 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

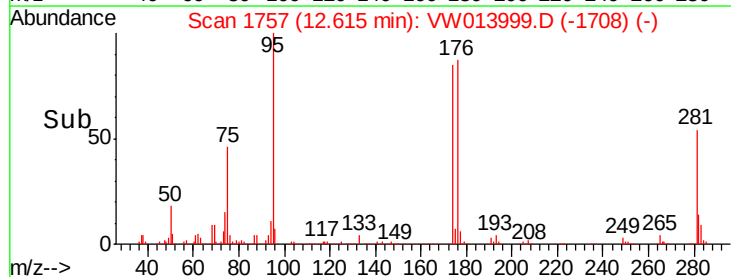
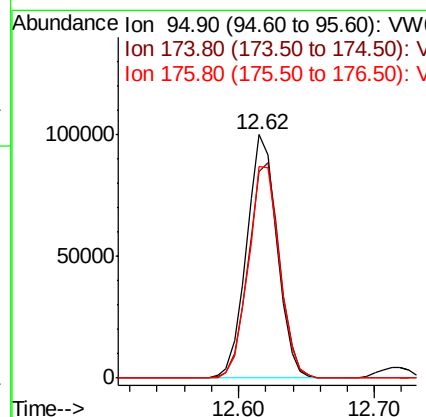
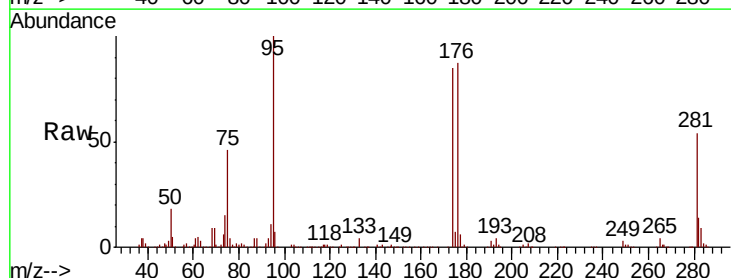
Instrument :
 MSVOA_W
 ClientSampleId :

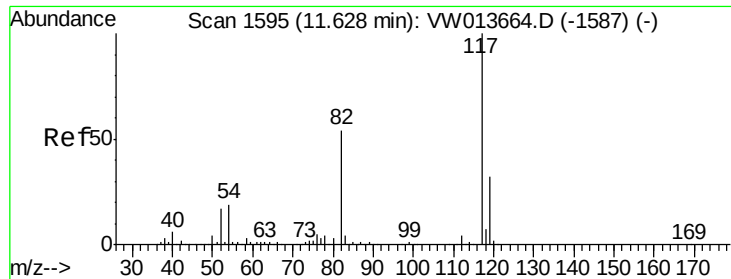
Tot Ion:107 Resp: 39142
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 53.276 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Tgt Ion: 95 Resp: 156662
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 183.6
 176 89.3 0.0 178.0

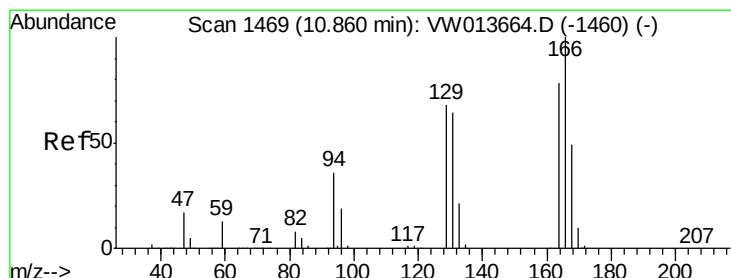
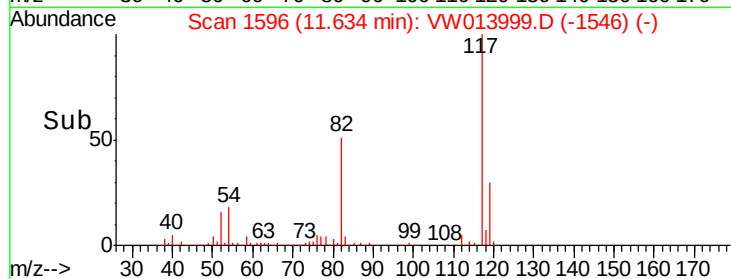
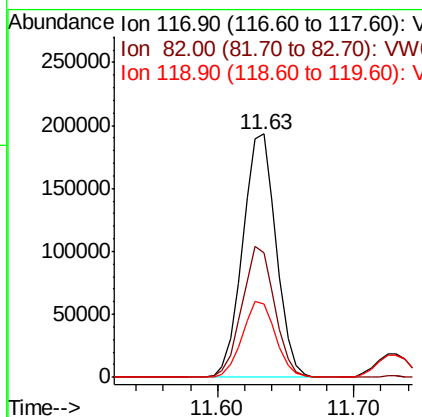
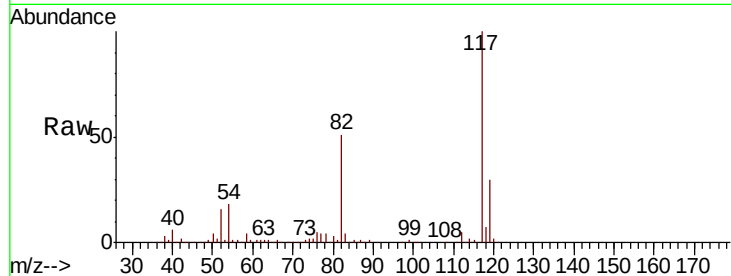




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

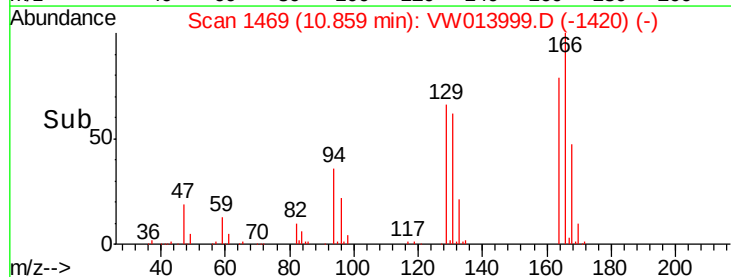
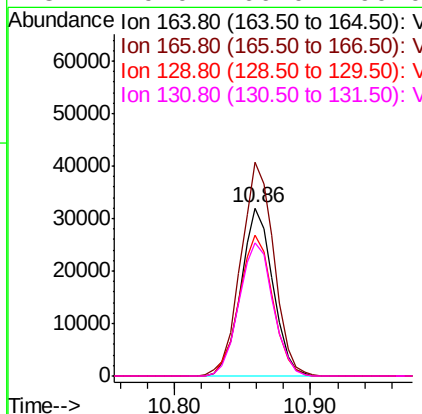
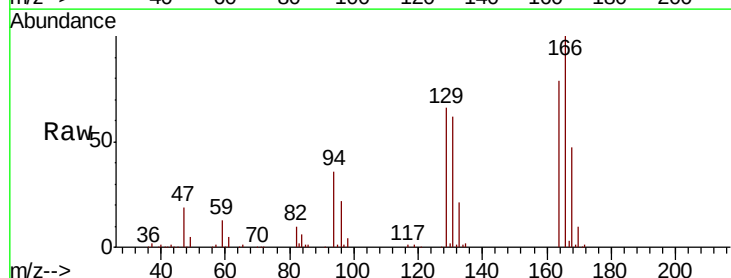
Instrument :
MSVOA_W
ClientSampleId :

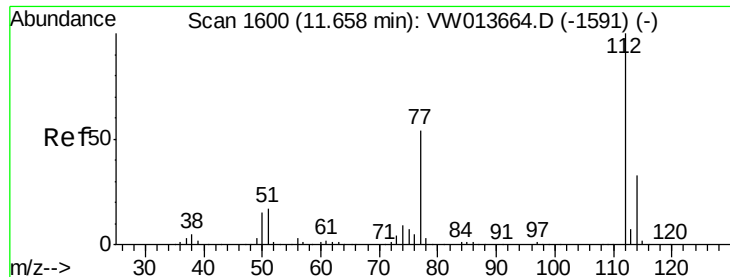
Tot Ion:117 Resp: 331873
Ion Ratio Lower Upper
117 100
82 51.3 43.6 65.4
119 30.1 25.4 38.2



#64
Tetrachloroethene
Concen: 20.694 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Tgt Ion:164 Resp: 52473
Ion Ratio Lower Upper
164 100
166 127.1 103.2 154.8
129 83.9 70.6 105.8
131 79.0 66.0 99.0

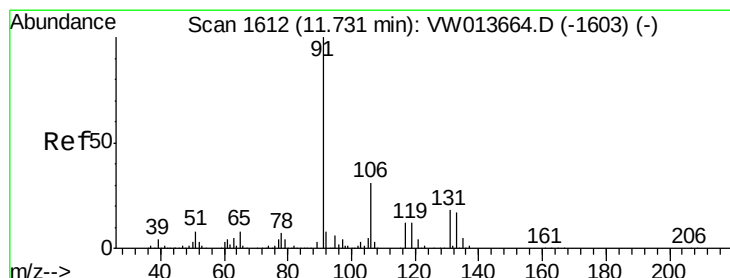
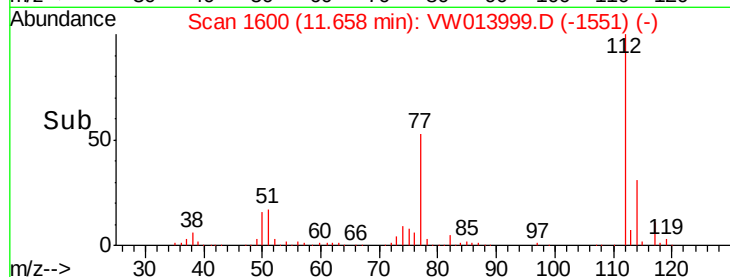
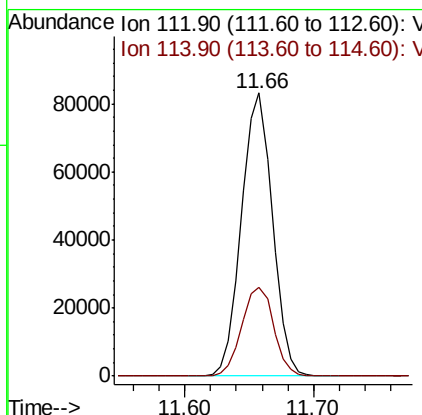
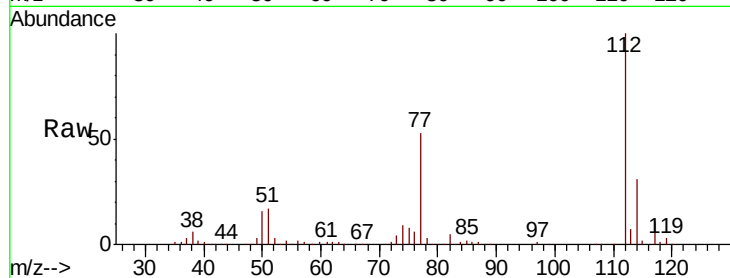




#65
Chlorobenzene
Concen: 20.251 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

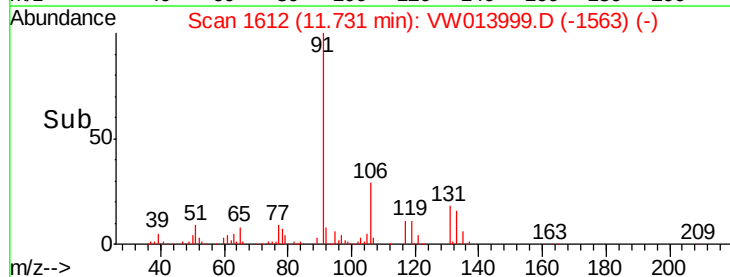
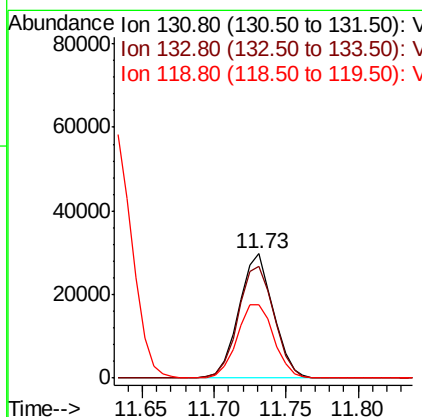
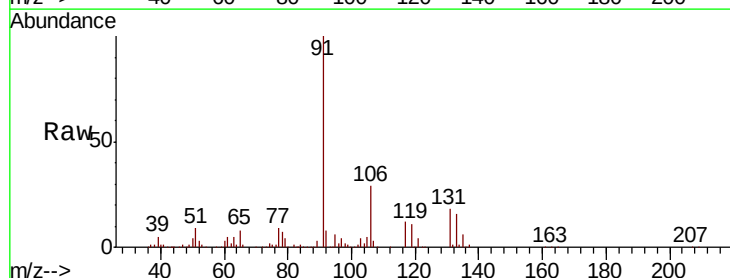
Instrument :
MSVOA_W
ClientSampled :

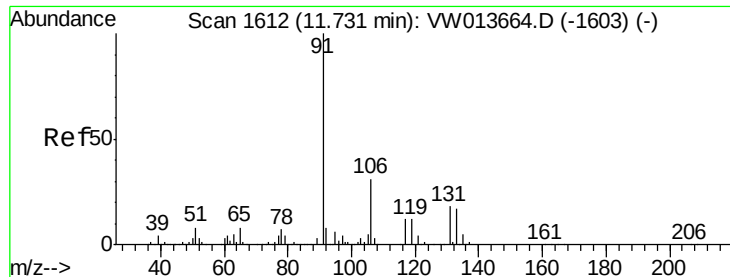
Tot Ion:112 Resp: 138107
Ion Ratio Lower Upper
112 100
114 31.4 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.638 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Tgt Ion:131 Resp: 49121
Ion Ratio Lower Upper
131 100
133 94.1 47.4 142.3
119 63.4 33.1 99.2





#67

Ethyl Benzene

Concen: 20.801 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

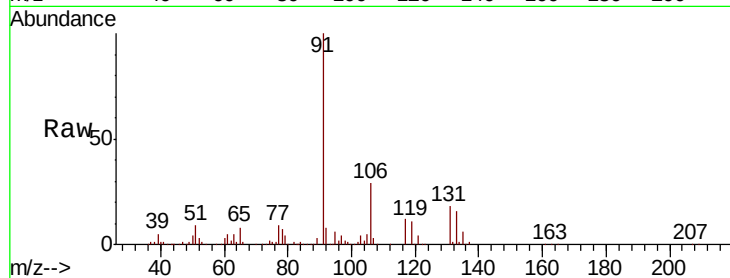
ClientSampled :

Tot Ion: 91 Resp: 255798

Ion Ratio Lower Upper

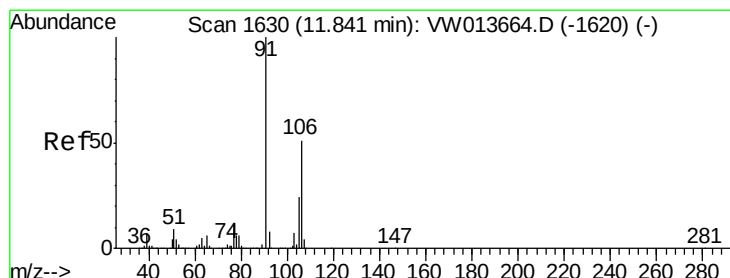
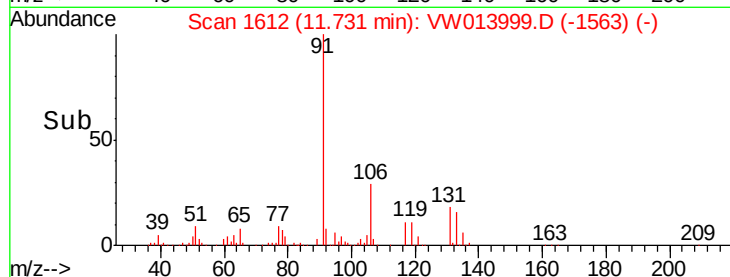
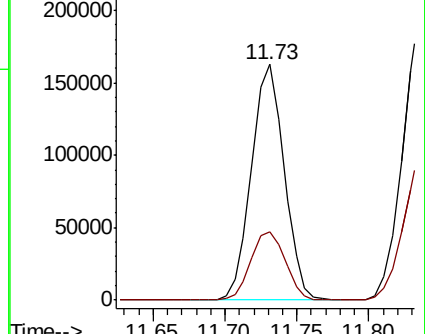
91 100

106 29.2 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.270 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013999.D

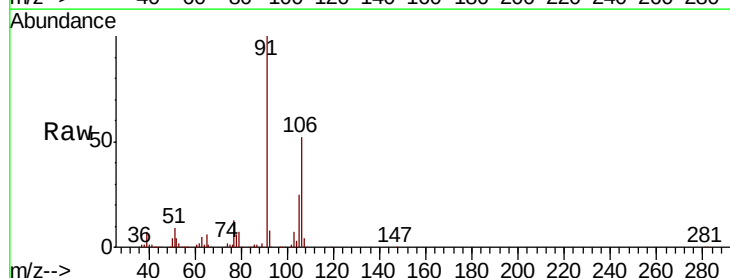
Acq: 13 Nov 2019 11:55

Tgt Ion: 106 Resp: 196078

Ion Ratio Lower Upper

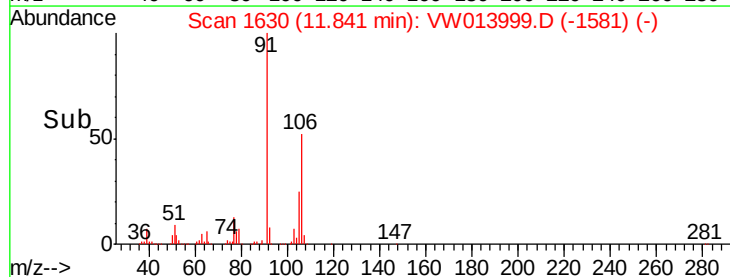
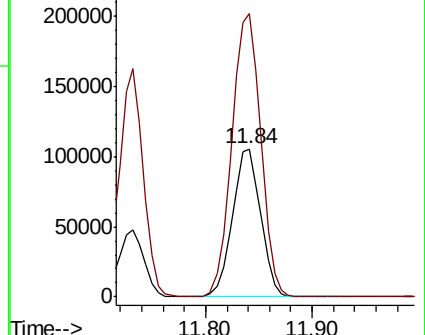
106 100

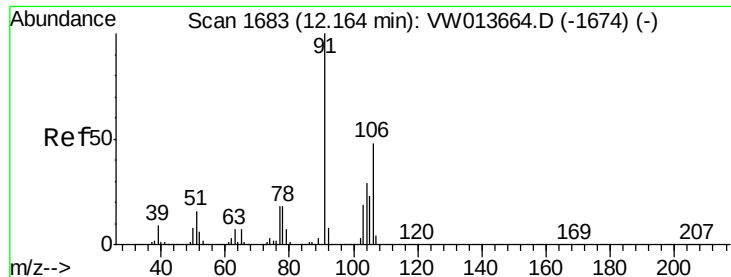
91 196.0 159.2 238.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

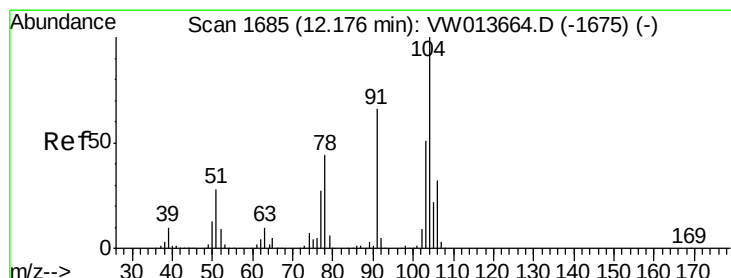
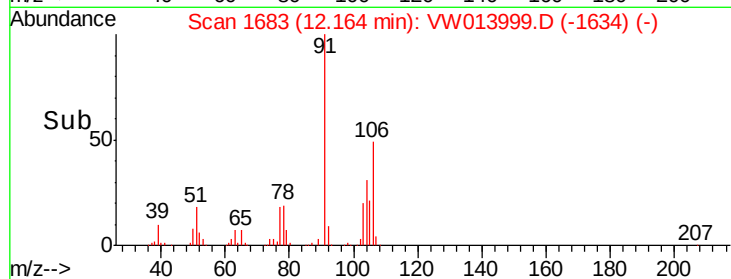
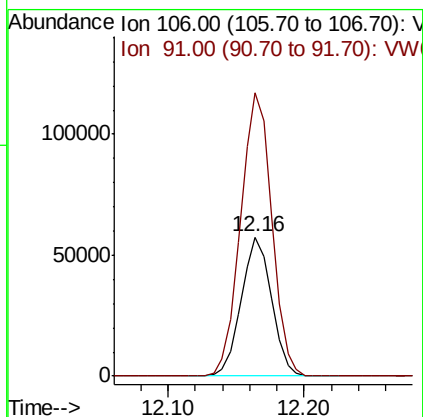
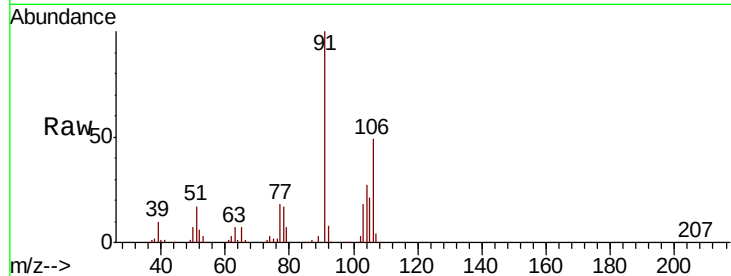




#69
o-Xylene
Concen: 20.588 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

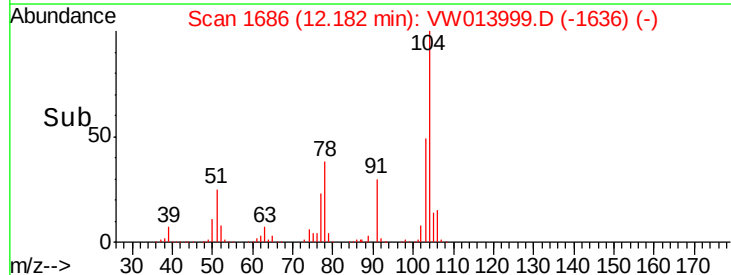
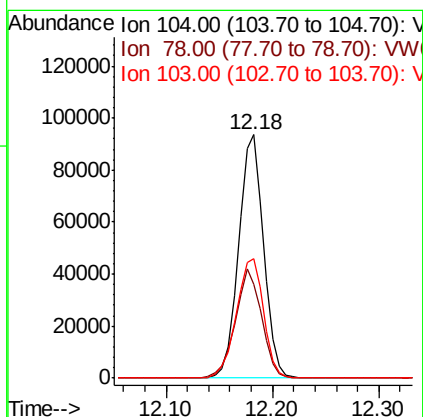
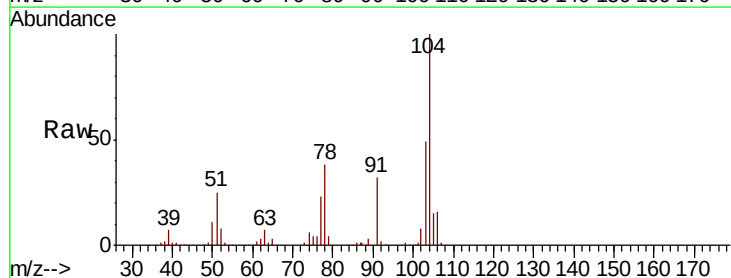
Instrument :
MSVOA_W
ClientSampled :

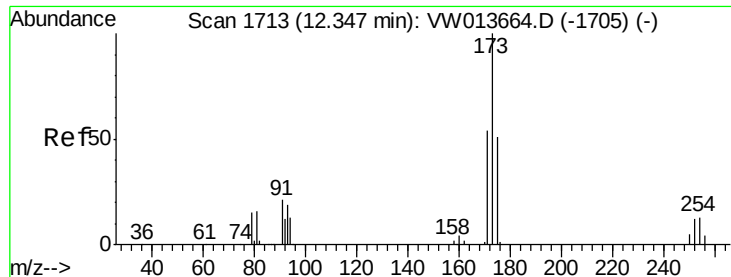
Tot Ion:106 Resp: 89909
Ion Ratio Lower Upper
106 100
91 209.0 104.9 314.7



#70
Styrene
Concen: 20.480 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Tgt Ion:104 Resp: 153667
Ion Ratio Lower Upper
104 100
78 47.2 37.1 55.7
103 53.7 43.6 65.4





#71

Bromoform

Concen: 23.739 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

ClientSampled :

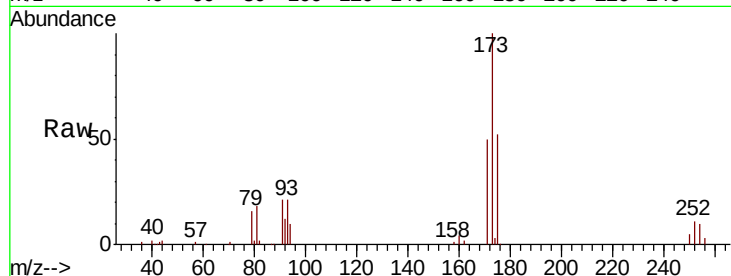
Tot Ion:173 Resp: 29650

Ion Ratio Lower Upper

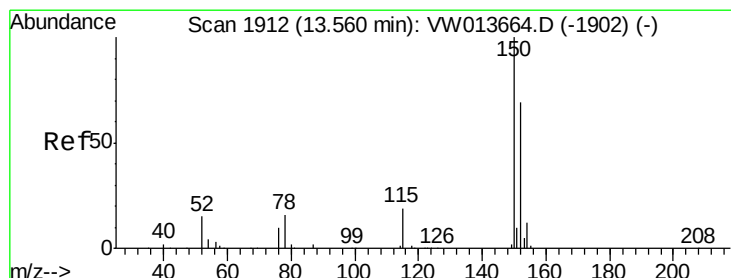
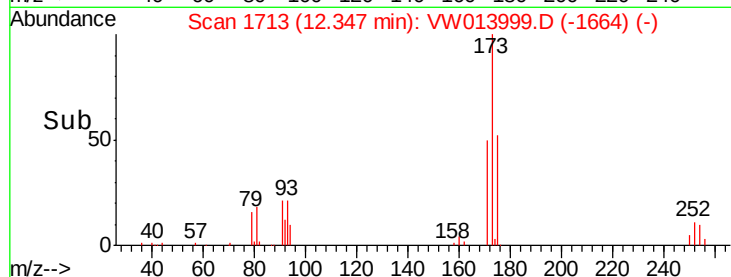
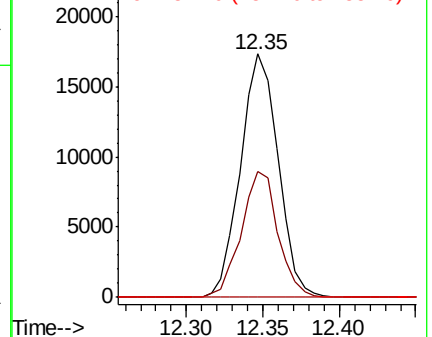
173 100

175 50.3 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: VW013999.D

Acq: 13 Nov 2019 11:55

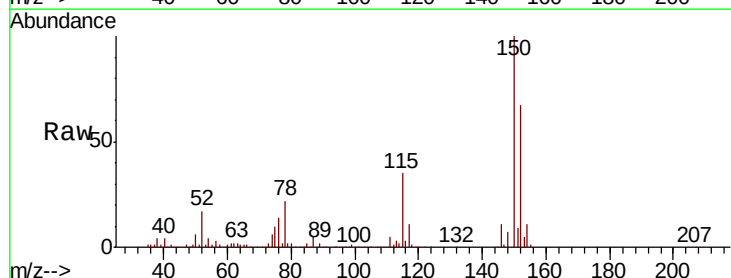
Tgt Ion:152 Resp: 171034

Ion Ratio Lower Upper

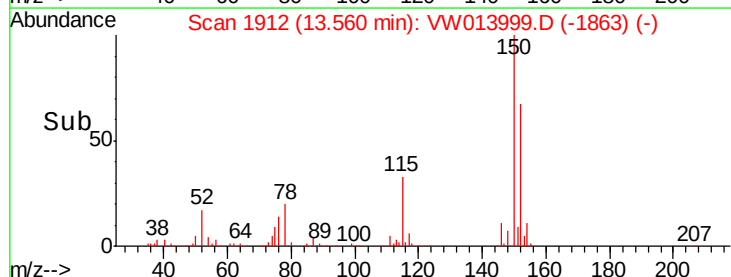
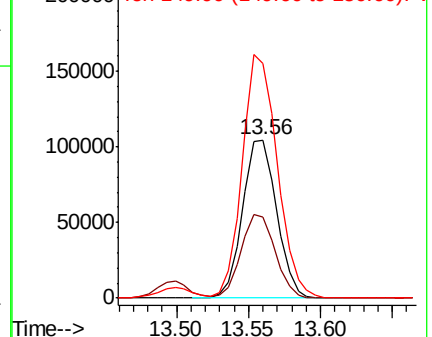
152 100

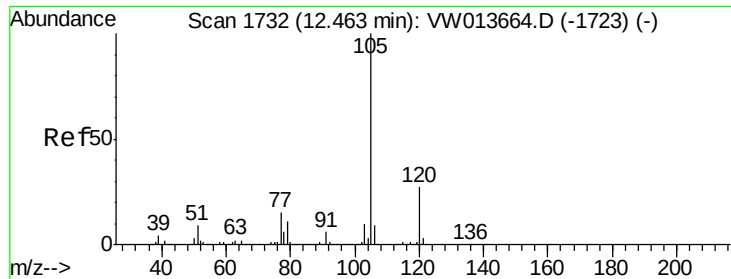
115 53.2 27.4 82.2

150 158.9 0.0 345.4



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





#73

Isopropylbenzene

Concen: 20.747 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

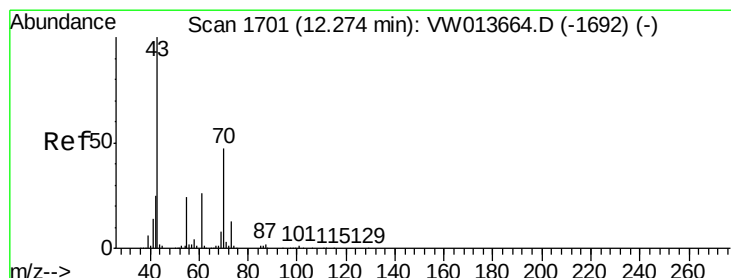
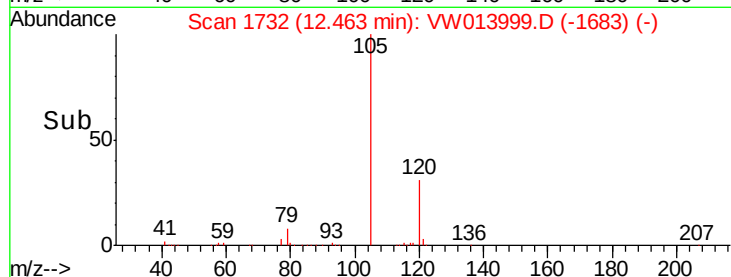
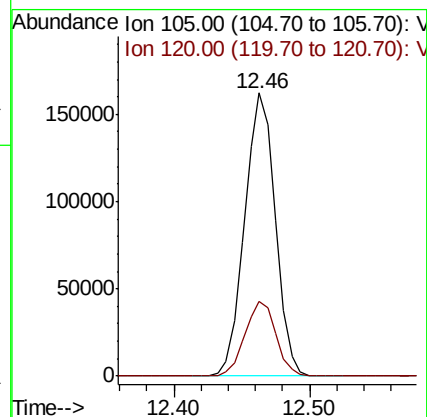
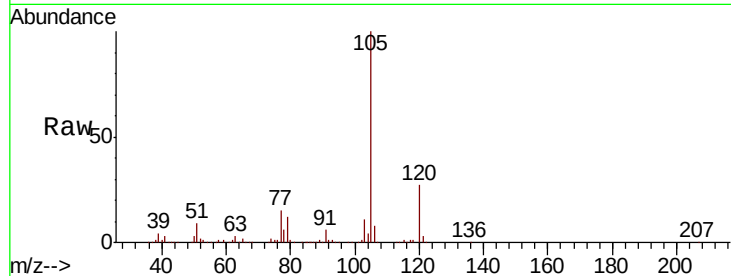
ClientSampleId :

Tot Ion:105 Resp: 254831

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



#74

N-ethyl acetate

Concen: 25.358 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Tgt Ion: 43 Resp: 60249

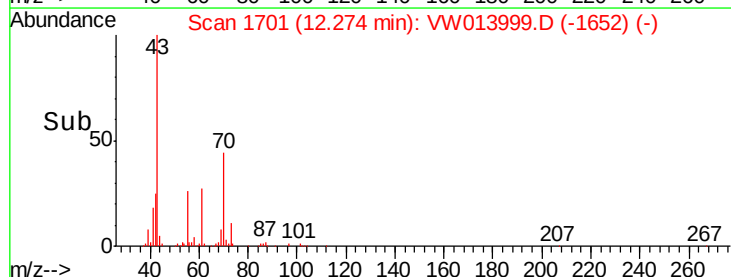
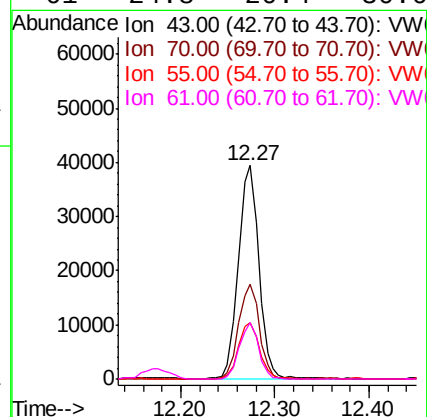
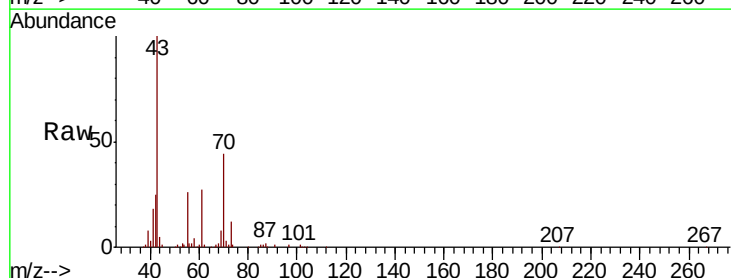
Ion Ratio Lower Upper

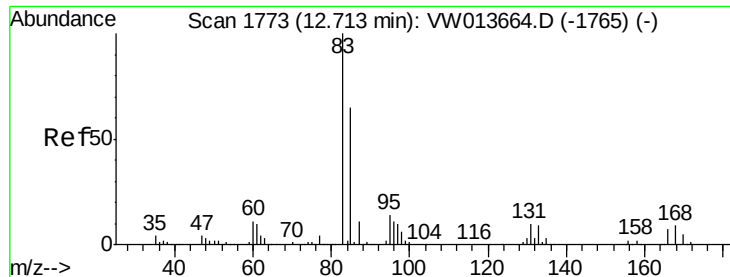
43 100

70 44.6 36.6 55.0

55 27.0 20.3 30.5

61 24.8 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.482 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

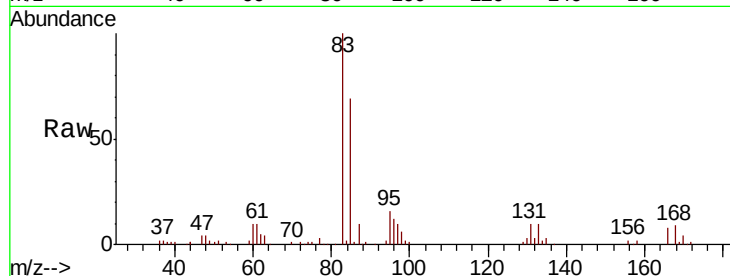
Tot Ion: 83 Resp: 47452

Ion Ratio Lower Upper

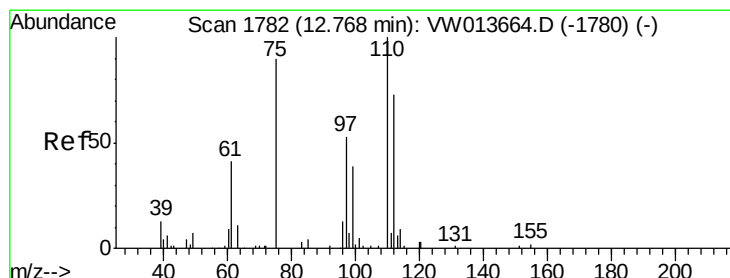
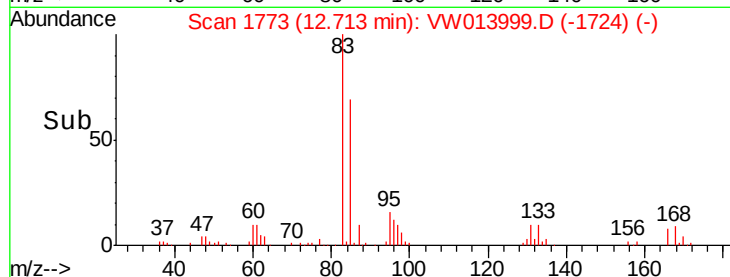
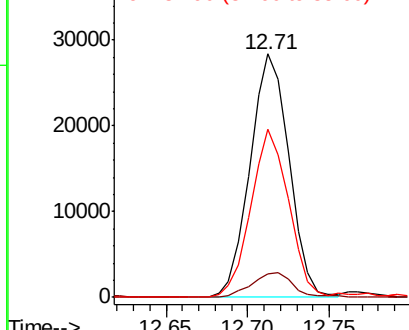
83 100

131 10.8 5.7 17.1

85 67.1 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: 49.337 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013999.D

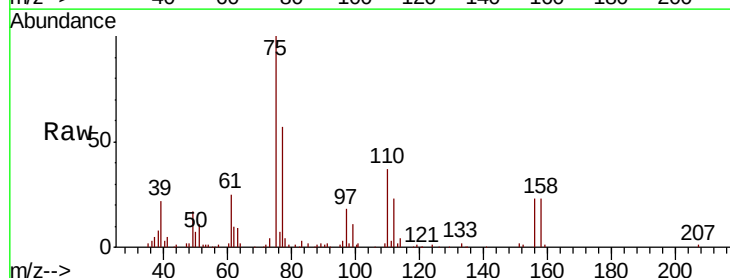
Acq: 13 Nov 2019 11:55

Tgt Ion: 75 Resp: 60599

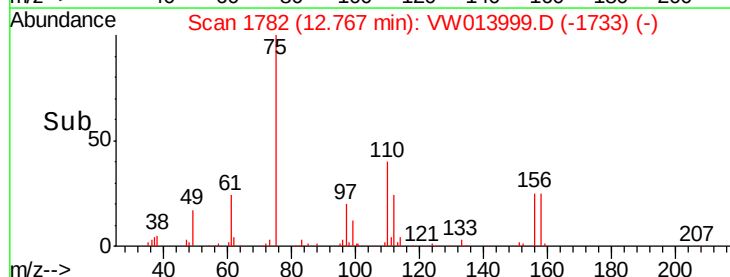
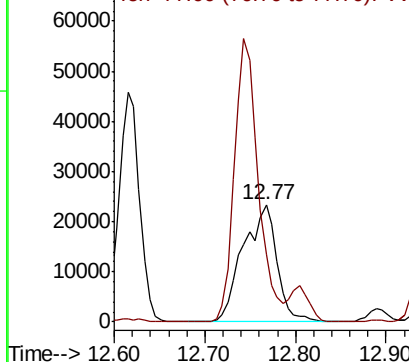
Ion Ratio Lower Upper

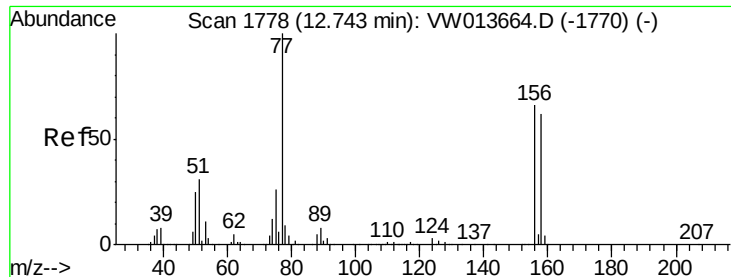
75 100

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: 20.429 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

ClientSampled :

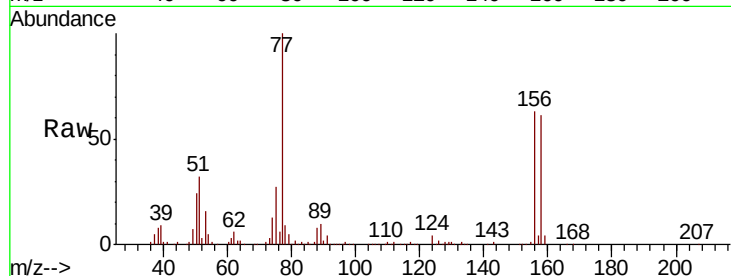
Tot Ion:156 Resp: 59940

Ion Ratio Lower Upper

156 100

77 173.7 82.9 248.7

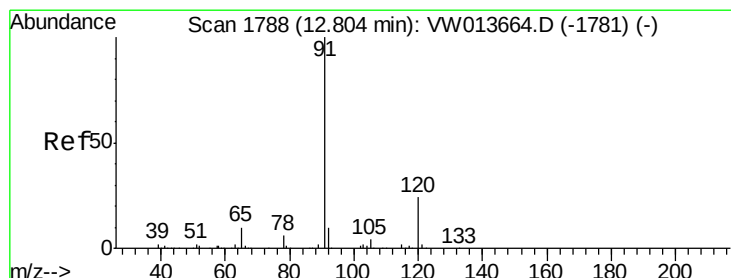
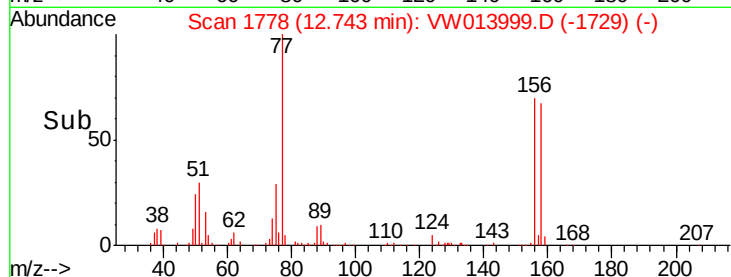
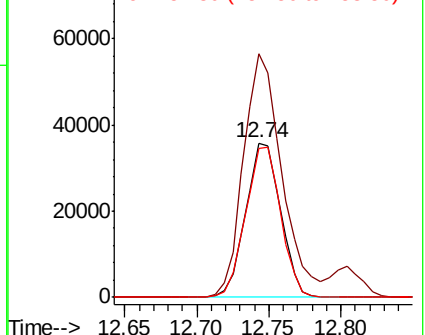
158 97.4 48.4 145.2



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: 20.431 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013999.D

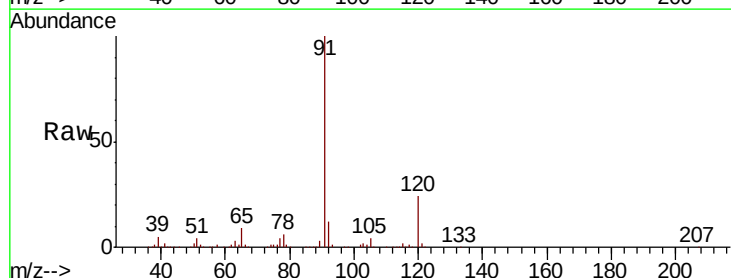
Acq: 13 Nov 2019 11:55

Tgt Ion: 91 Resp: 290448

Ion Ratio Lower Upper

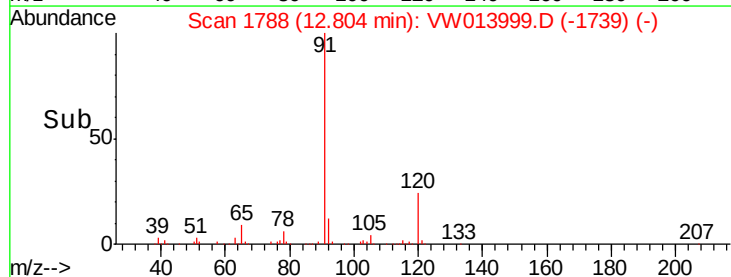
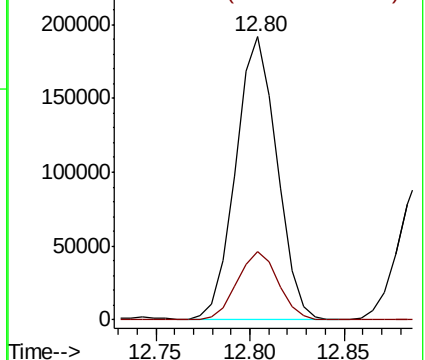
91 100

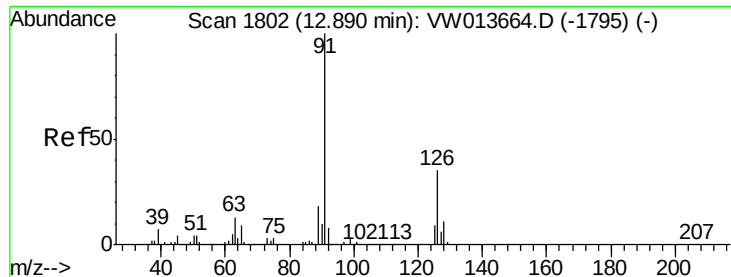
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.177 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

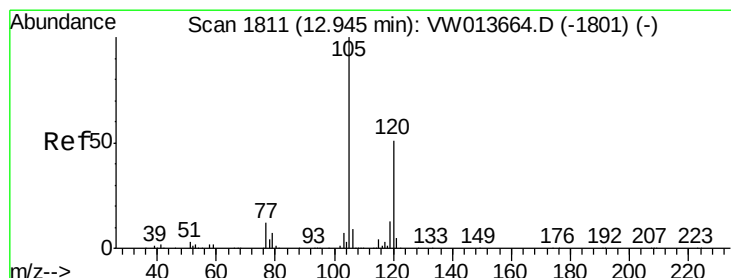
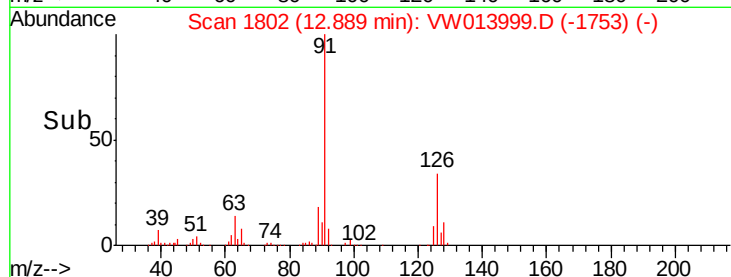
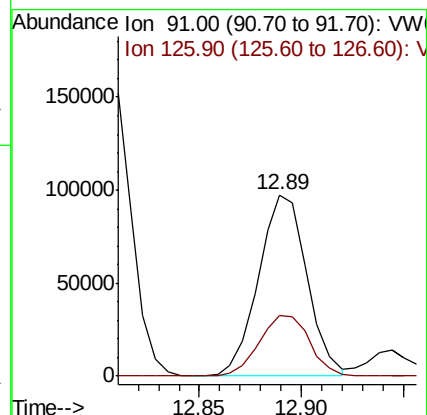
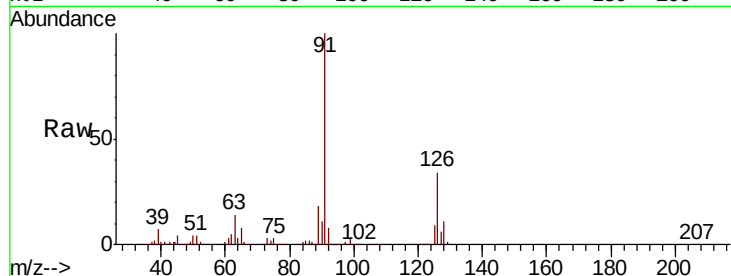
ClientSampleId :

Tot Ion: 91 Resp: 161199

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 20.374 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013999.D

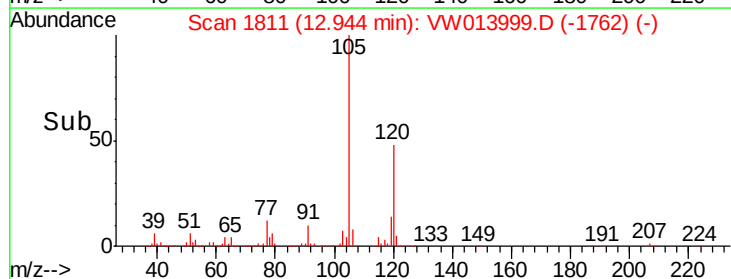
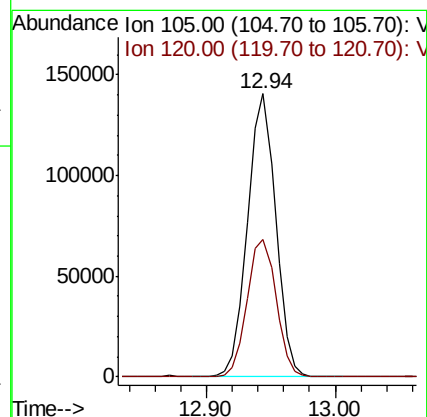
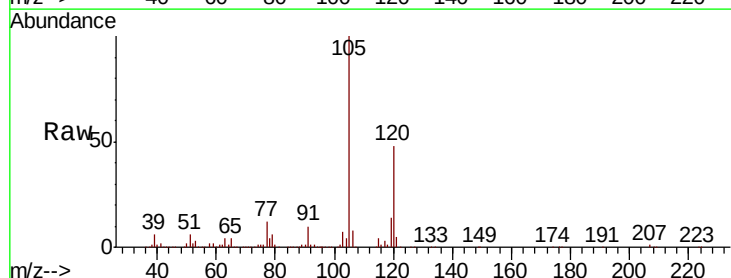
Acq: 13 Nov 2019 11:55

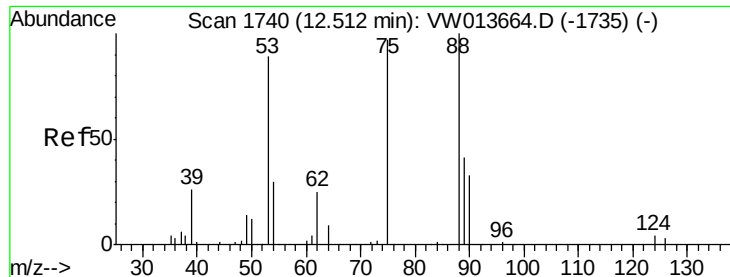
Tgt Ion:105 Resp: 211245

Ion Ratio Lower Upper

105 100

120 50.4 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 24.171 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

ClientSampled :

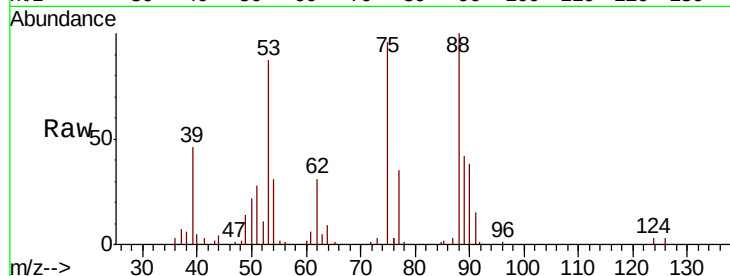
Tot Ion: 75 Resp: 15709

Ion Ratio Lower Upper

75 100

53 90.3 71.7 107.5

89 46.4 35.8 53.8

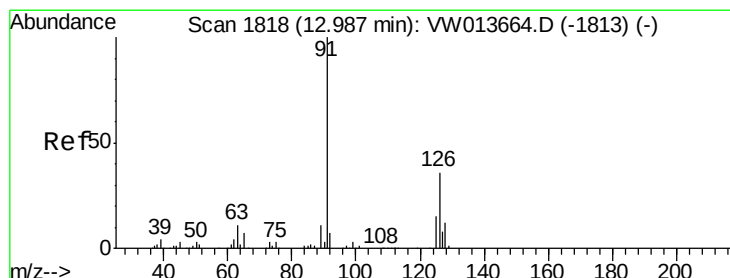
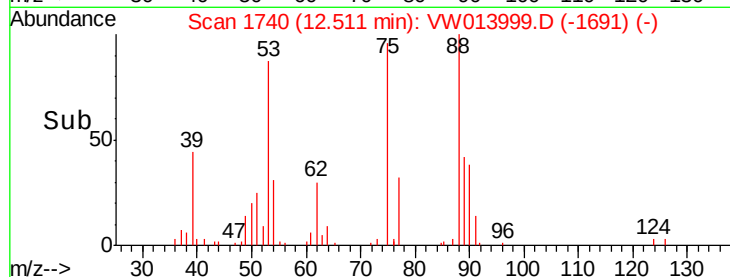
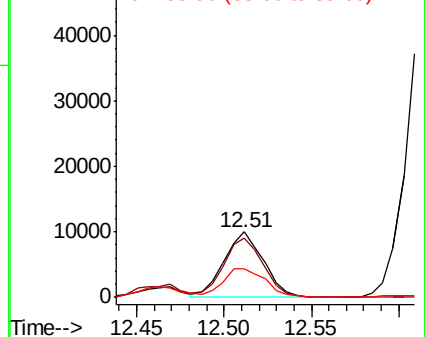


Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.132 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013999.D

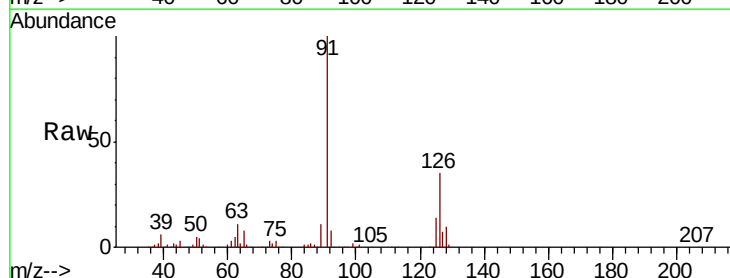
Acq: 13 Nov 2019 11:55

Tgt Ion: 91 Resp: 168856

Ion Ratio Lower Upper

91 100

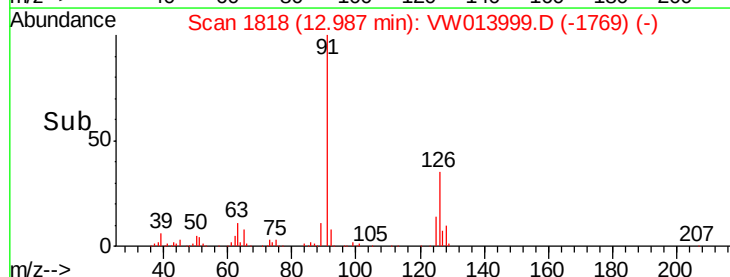
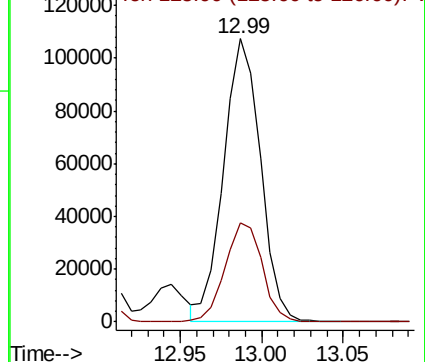
126 35.4 17.2 51.5

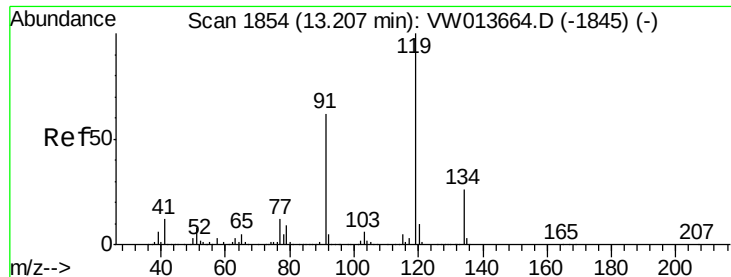


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

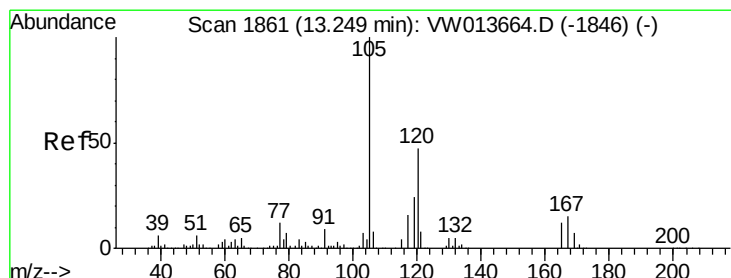
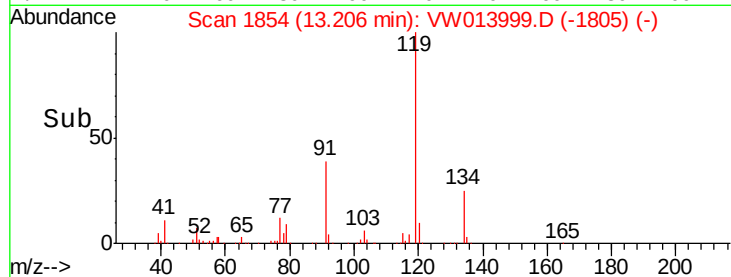
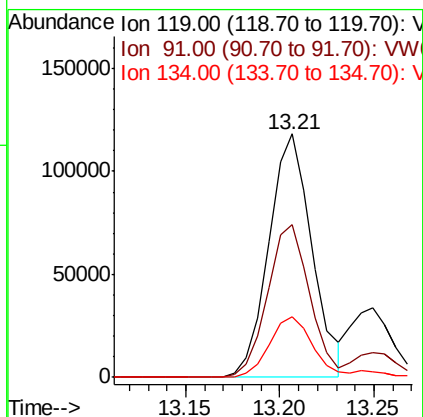
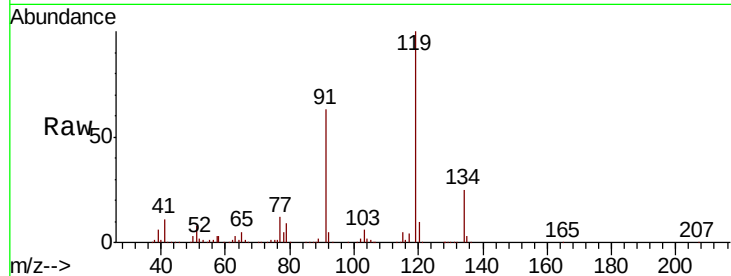




#83
 tert-Butylbenzene
 Concen: 20.402 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

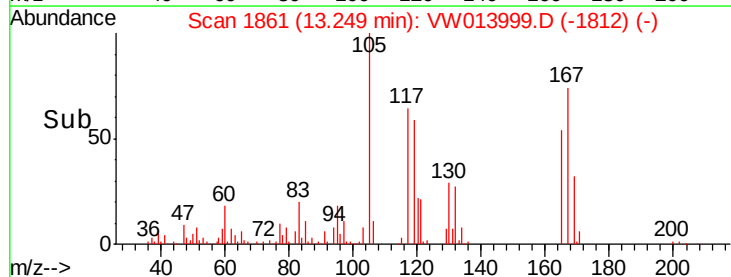
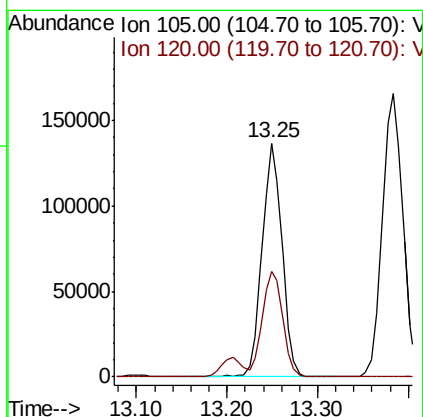
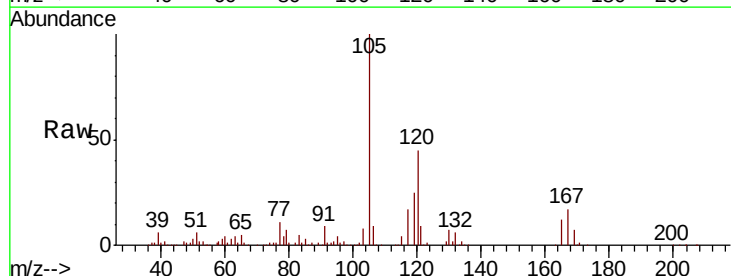
Instrument :
 MSVOA_W
 ClientSampled :

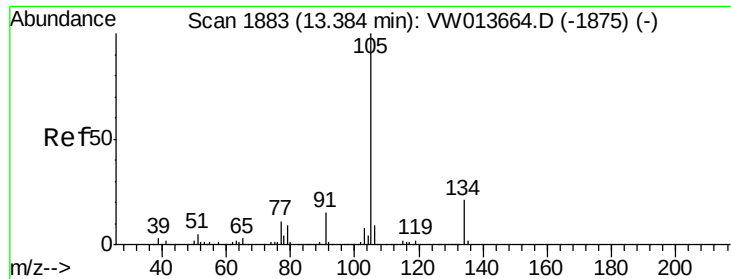
Tot Ion:119 Resp: 187768
 Ion Ratio Lower Upper
 119 100
 91 61.4 30.4 91.3
 134 25.0 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.369 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Tgt Ion:105 Resp: 208332
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.5 70.5

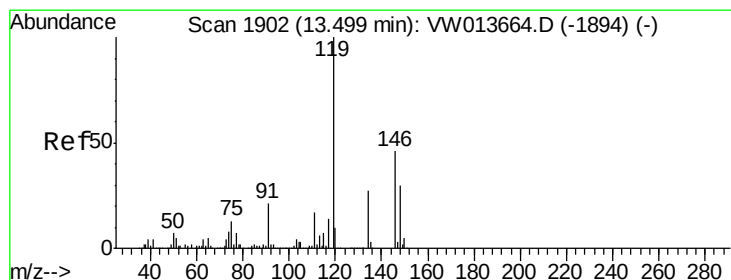
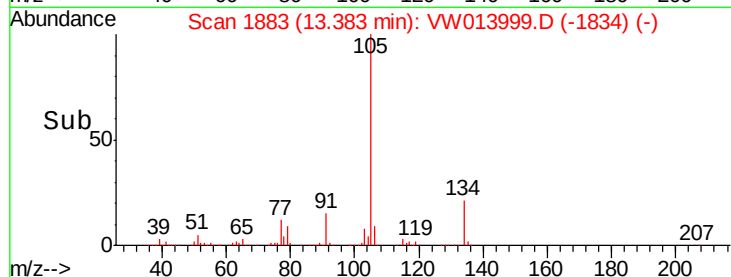
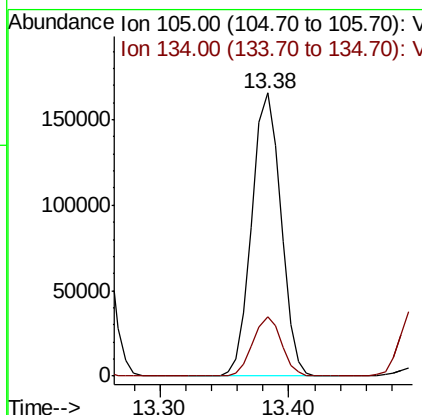
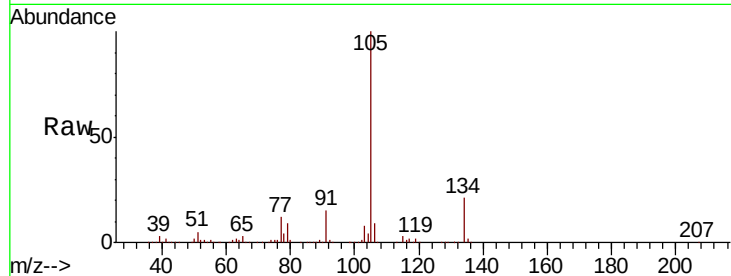




#85
 sec-Butylbenzene
 Concen: 20.552 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

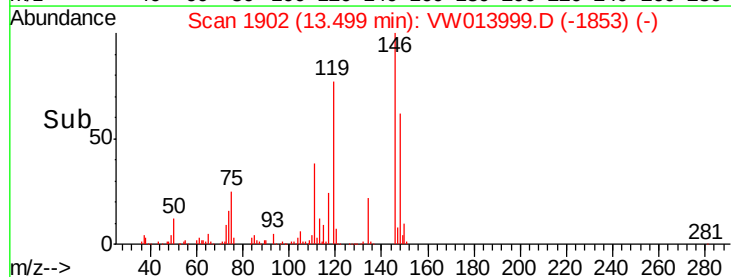
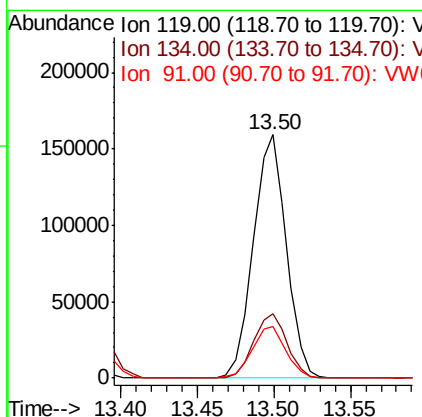
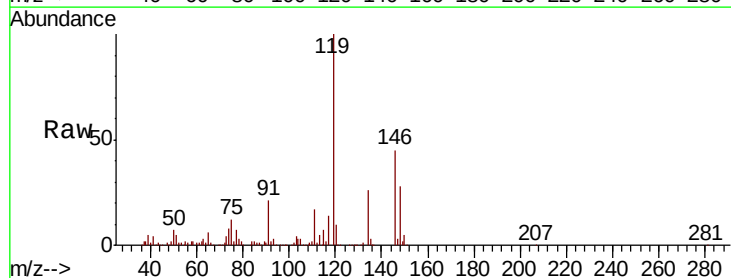
Instrument :
 MSVOA_W
 ClientSampleId :

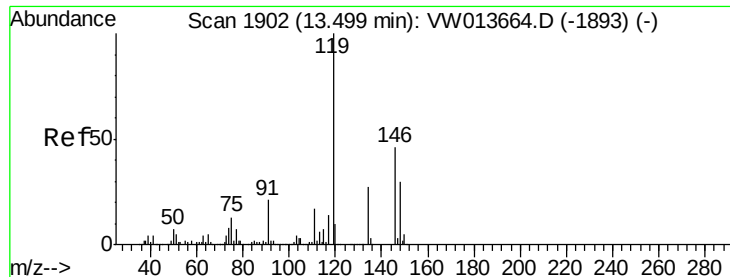
Tot Ion:105 Resp: 258652
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 20.237 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Tgt Ion:119 Resp: 237246
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.1
 91 21.7 10.8 32.3

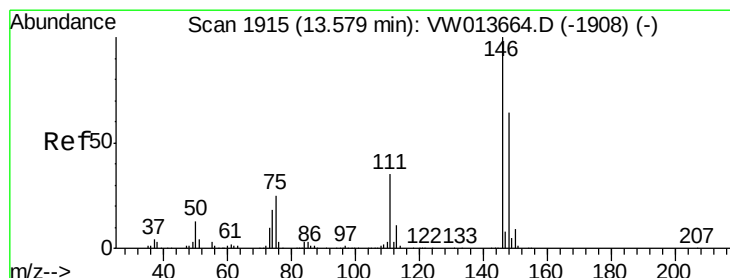
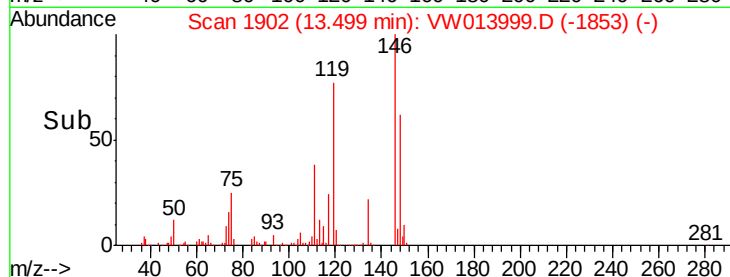
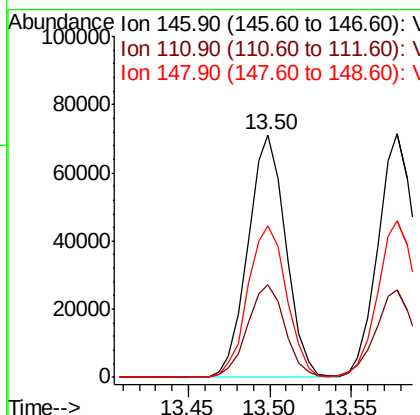
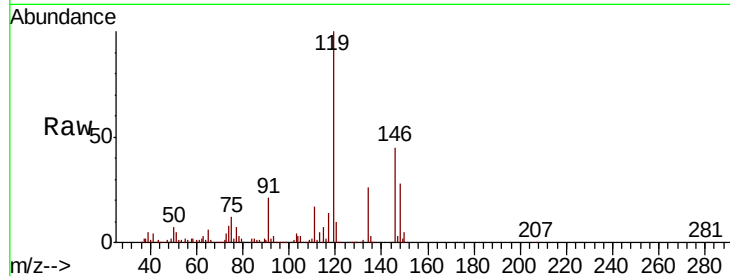




#87
 1,3-Dichlorobenzene
 Concen: 20.115 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

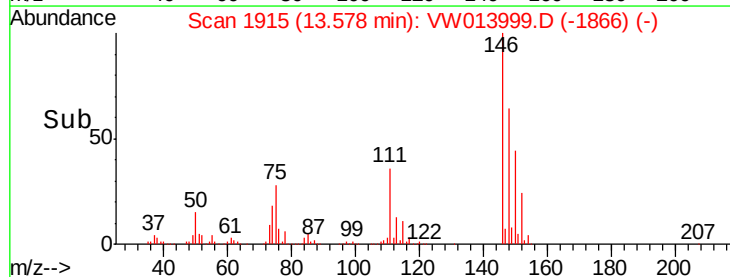
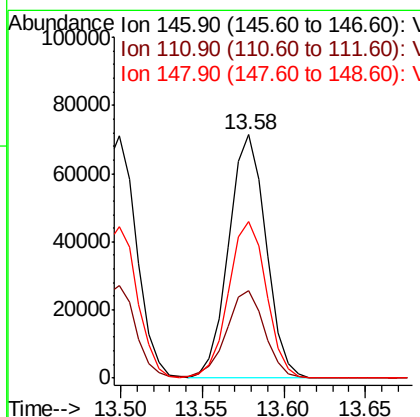
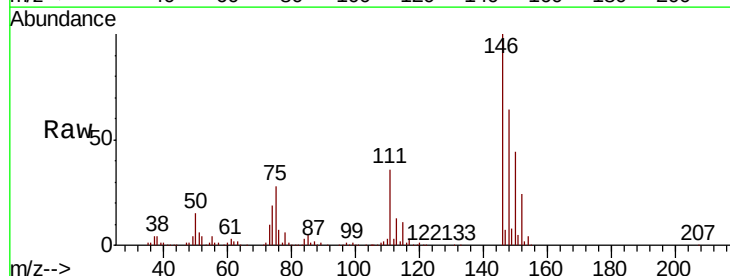
Instrument :
 MSVOA_W
 ClientSampleId :

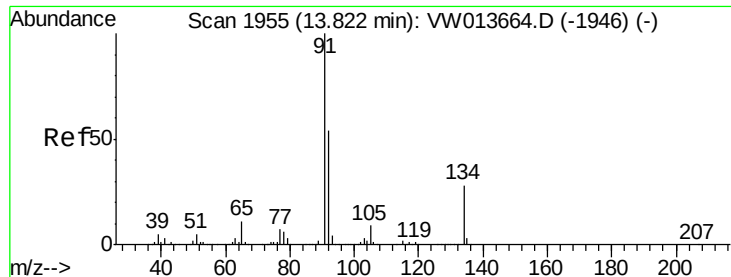
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	56.0
148	64.4	31.7	95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.159 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.3
148	65.3	32.0	96.2





#89

n-Butylbenzene

Concen: 20.090 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013999.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

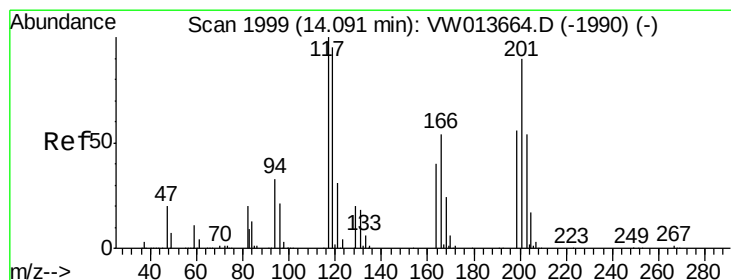
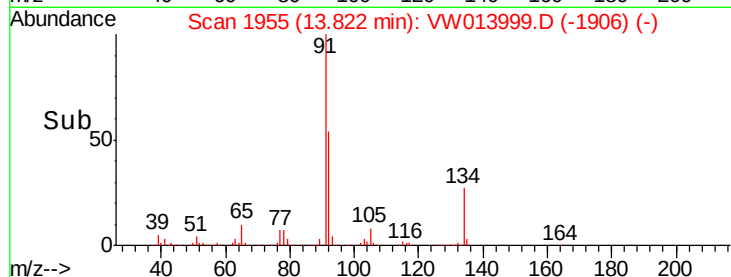
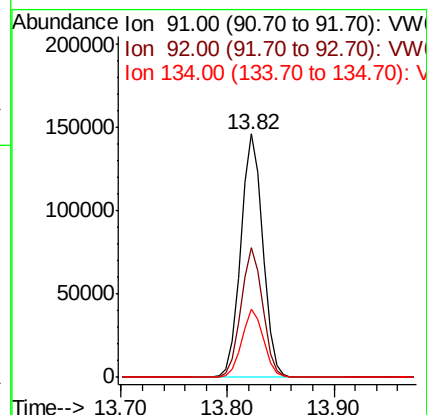
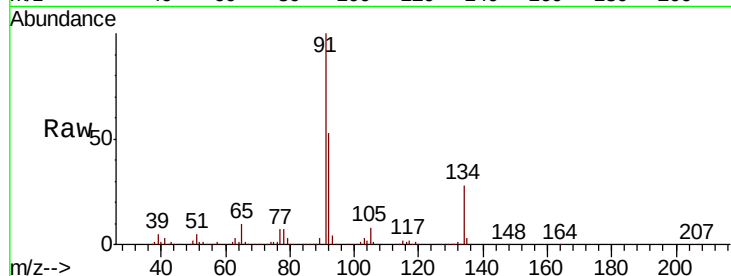
Tot Ion: 91 Resp: 212597

Ion Ratio Lower Upper

91 100

92 52.8 27.5 82.4

134 27.9 14.0 41.9



#90

Hexachloroethane

Concen: 20.152 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013999.D

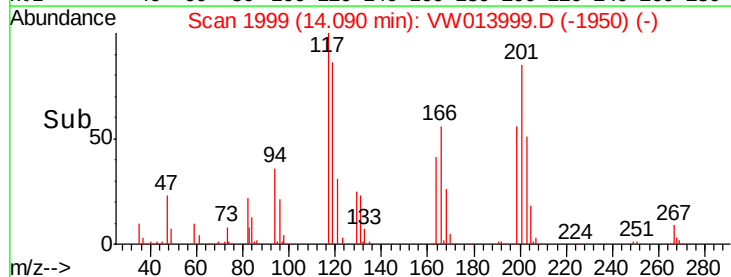
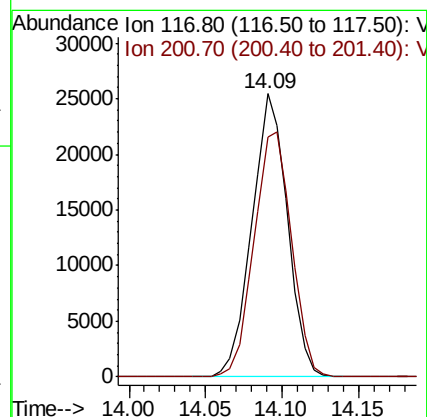
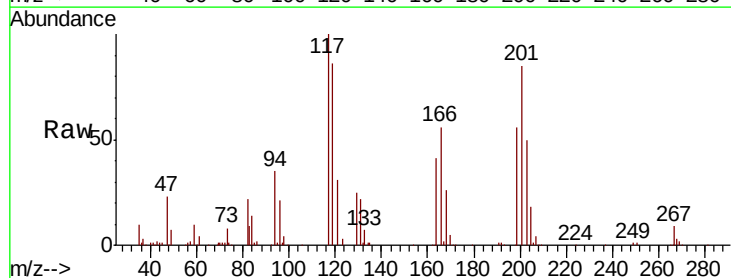
Acq: 13 Nov 2019 11:55

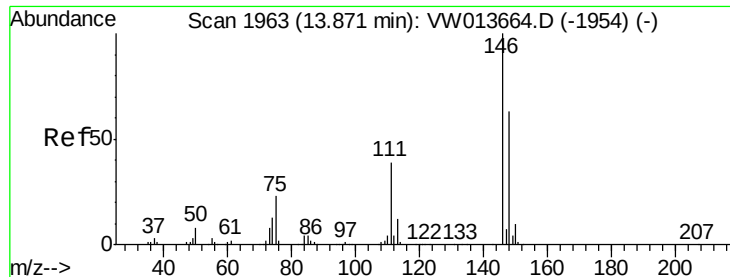
Tgt Ion: 117 Resp: 41065

Ion Ratio Lower Upper

117 100

201 91.5 46.1 138.2

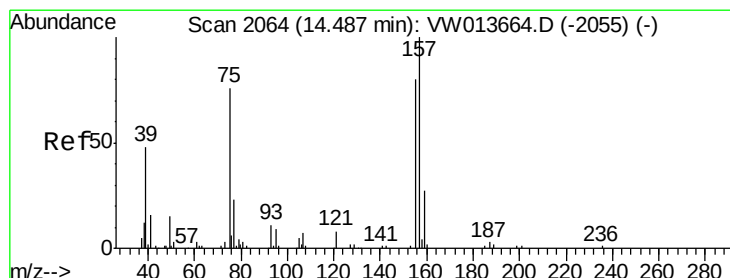
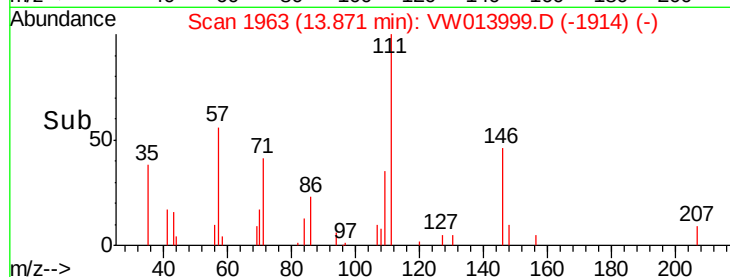
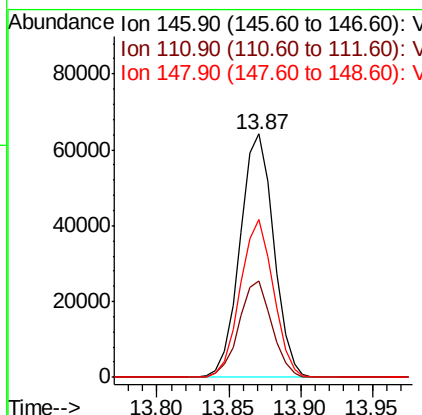
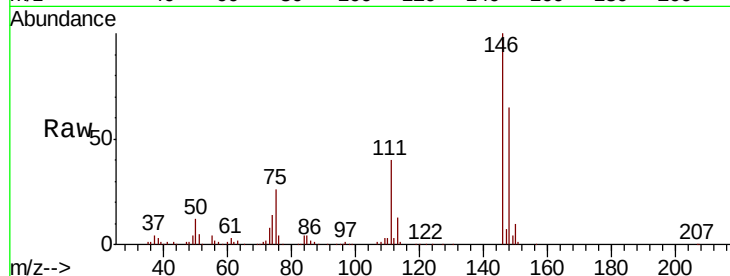




#91
 1,2-Dichlorobenzene
 Concen: 21.118 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

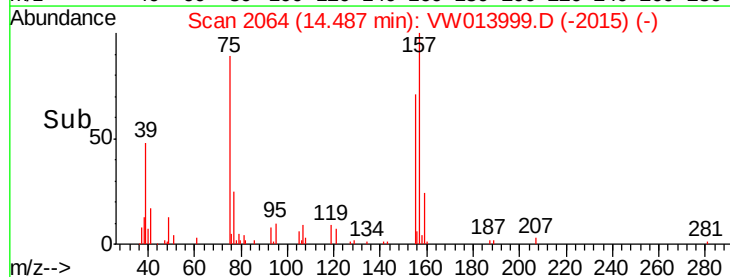
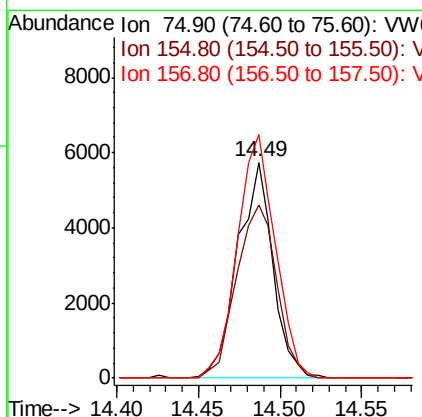
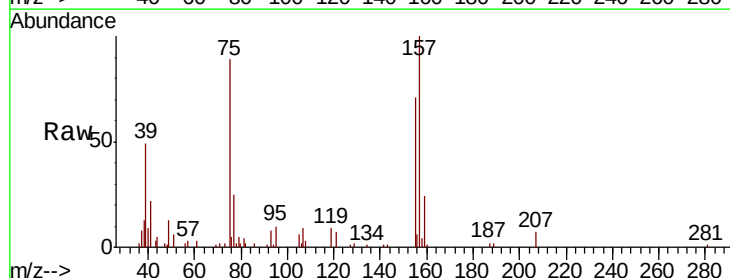
Instrument :
 MSVOA_W
 ClientSampleId :

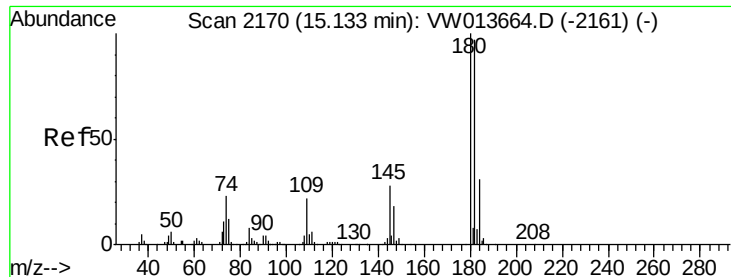
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.9	59.6
148	63.8	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 29.608 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	51.9	155.7
157	121.1	64.8	194.3

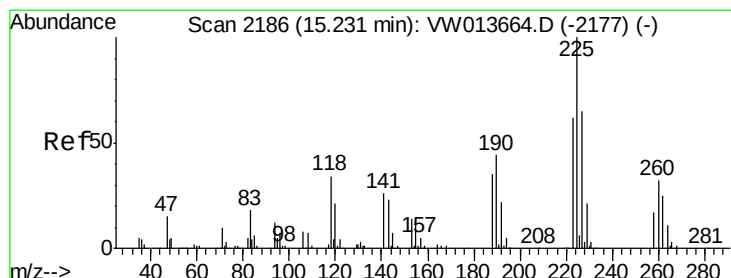
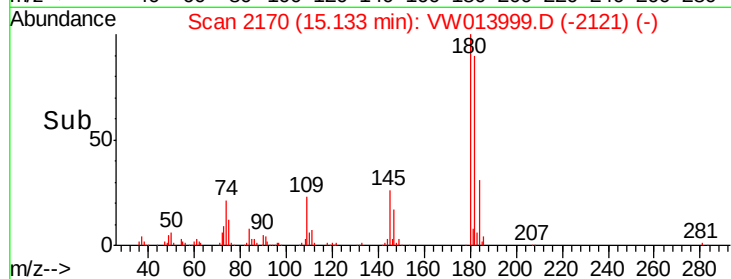
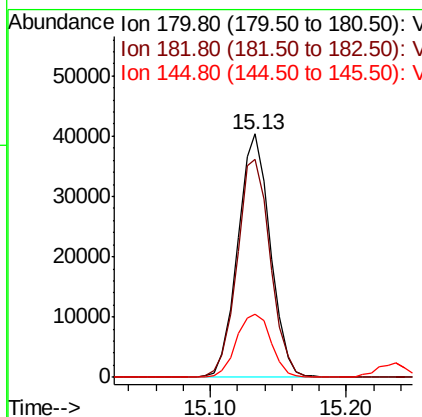
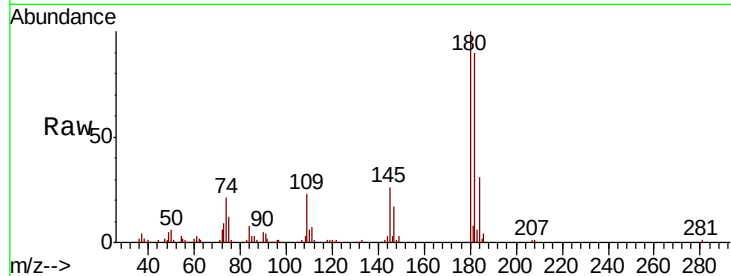




#93
 1,2,4-Trichlorobenzene
 Concen: 18.662 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

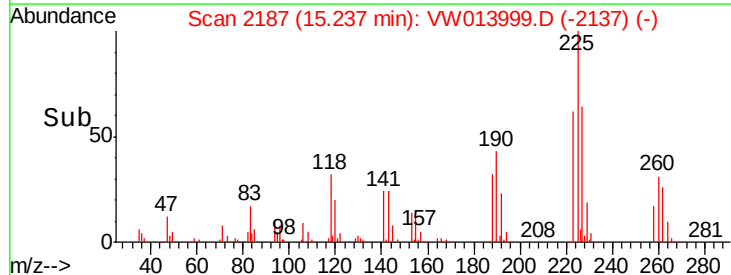
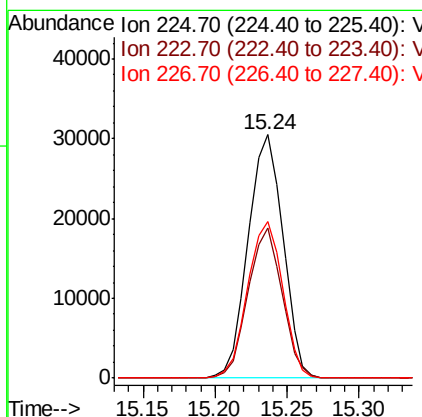
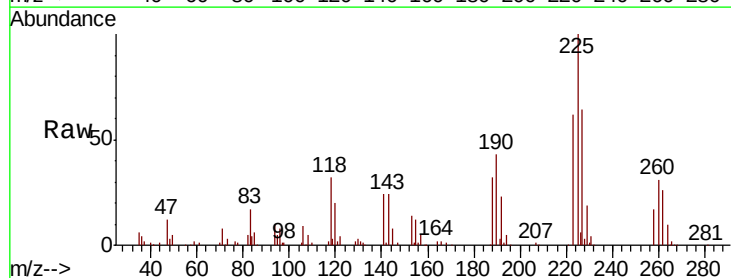
Instrument :
 MSVOA_W
 ClientSampled :

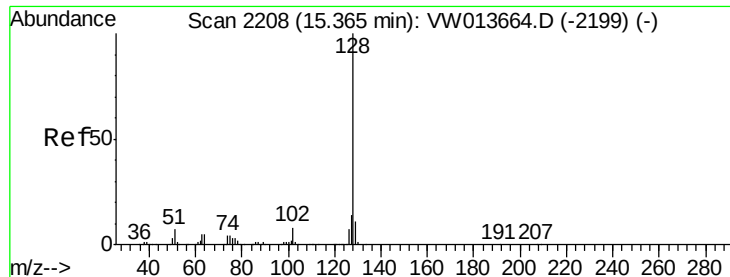
Tot Ion:180 Resp: 66947
 Ion Ratio Lower Upper
 180 100
 182 91.8 47.4 142.2
 145 28.0 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 21.107 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013999.D
 Acq: 13 Nov 2019 11:55

Tgt Ion:225 Resp: 51115
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.9 95.9
 227 64.6 32.5 97.4

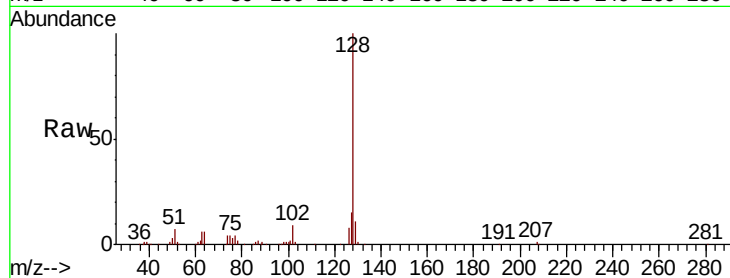




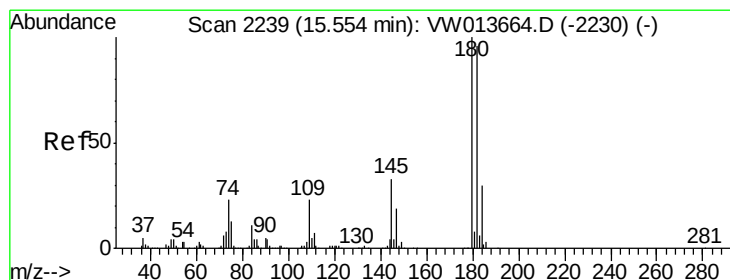
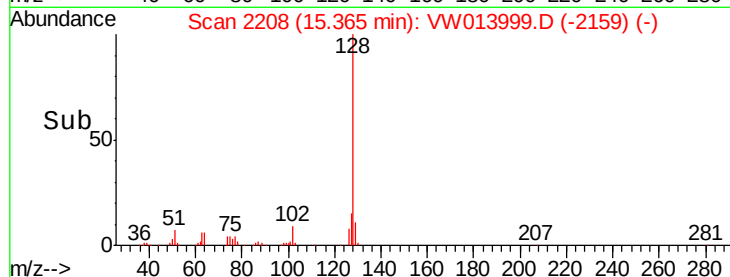
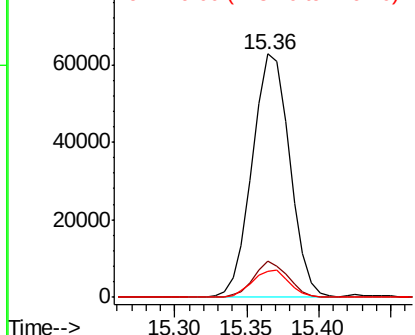
#95
Naphthalene
Concen: 20.162 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 113399
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 11.1 8.7 13.1

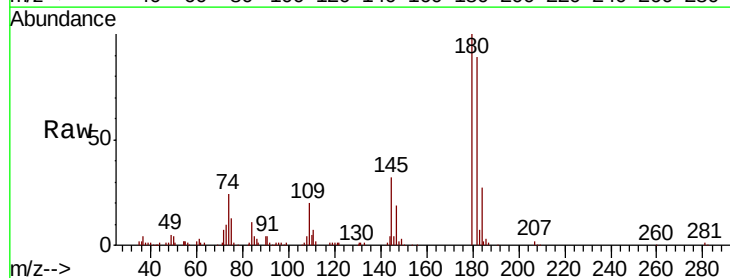


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.227 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013999.D
Acq: 13 Nov 2019 11:55

Tgt Ion:180 Resp: 59432
Ion Ratio Lower Upper
180 100
182 94.4 47.4 142.3
145 29.8 14.9 44.9



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

