

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102819\
 Data File : VW013761.D
 Acq On : 28 Oct 2019 12:55
 Operator : SY/VA
 Sample : VW1028SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 29 11:45:00 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	320530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	451901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	385471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	199074	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	120663	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
35) Dibromofluoromethane	7.88	113	123701	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	10.32	98	511100	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.62	95	173653	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	41427	24.533	ug/l	97
3) Chloromethane	2.21	50	45706	25.185	ug/l	96
4) Vinyl Chloride	2.36	62	67001	24.447	ug/l	99
5) Bromomethane	2.78	94	41951	23.274	ug/l	95
6) Chloroethane	2.92	64	36238	21.851	ug/l	98
7) Trichlorofluoromethane	3.25	101	41447	24.211	ug/l	95
8) Diethyl Ether	3.68	74	31551	22.813	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	60381	21.697	ug/l	99
10) Methyl Iodide	4.27	142	99290	21.894	ug/l	99
11) Tert butyl alcohol	5.23	59	17402	121.232	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	63975	22.255	ug/l	91
13) Acrolein	3.89	56	15435	93.857	ug/l	99
14) Allyl chloride	4.67	41	95627	21.634	ug/l	98
15) Acrylonitrile	5.37	53	65613	116.670	ug/l	100
16) Acetone	4.14	43	54975	107.830	ug/l	89
17) Carbon Disulfide	4.38	76	183896	22.275	ug/l	97
18) Methyl Acetate	4.67	43	37293	26.684	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	78976	22.894	ug/l	97
20) Methylene Chloride	4.92	84	68399	21.696	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	68785	22.232	ug/l	94
22) Diisopropyl ether	6.31	45	174814	21.681	ug/l	97
23) Vinyl Acetate	6.25	43	518888	110.909	ug/l	99
24) 1,1-Dichloroethane	6.21	63	112501	22.031	ug/l	98
25) 2-Butanone	7.18	43	81505	111.197	ug/l	94
26) 2,2-Dichloropropane	7.16	77	65969	22.341	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	71022	21.612	ug/l	98
28) Bromochloromethane	7.51	49	27732	16.174	ug/l #	99
29) Tetrahydrofuran	7.53	42	52819	116.396	ug/l	98
30) Chloroform	7.67	83	109742	21.740	ug/l	99
31) Cyclohexane	7.95	56	114377	21.403	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	89275	22.536	ug/l	98
36) 1,1-Dichloropropene	8.08	75	93537	22.225	ug/l	99
37) Ethyl Acetate	7.25	43	37344	23.180	ug/l	98
38) Carbon Tetrachloride	8.07	117	84372	22.263	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	117201	21.564	ug/l	97
40) Benzene	8.32	78	260357	21.860	ug/l	97
41) Methacrylonitrile	7.48	41	23561	23.452	ug/l	94
42) 1,2-Dichloroethane	8.40	62	66739	22.236	ug/l	99
43) Isopropyl Acetate	8.42	43	71759	23.270	ug/l	98
44) Trichloroethene	9.09	130	74681	21.890	ug/l	98
45) 1,2-Dichloropropane	9.37	63	61205	21.514	ug/l	97
46) Dibromomethane	9.46	93	30760	22.277	ug/l	99
47) Bromodichloromethane	9.64	83	76954	21.540	ug/l	99
48) Methyl methacrylate	9.43	41	36160	23.646	ug/l	98
49) 1,4-Dioxane	9.47	88	10714	525.100	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	179233	116.964	ug/l	100
52) Toluene	10.38	92	167477	21.799	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	80053	22.134	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	97030	21.745	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	46452	22.573	ug/l	98
56) Ethyl methacrylate	10.65	69	57523	22.343	ug/l	97
57) 1,3-Dichloropropane	10.93	76	78131	22.125	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	125959	106.301	ug/l	98
59) 2-Hexanone	10.97	43	122770	116.214	ug/l	99
60) Dibromochloromethane	11.13	129	53324	21.825	ug/l	100
61) 1,2-Dibromoethane	11.23	107	43927	22.563	ug/l	100
64) Tetrachloroethene	10.86	164	64345	21.848	ug/l	97
65) Chlorobenzene	11.66	112	172188	21.738	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	59751	21.614	ug/l	99
67) Ethyl Benzene	11.73	91	315401	22.082	ug/l	100
68) m/p-Xylenes	11.83	106	242941	44.024	ug/l	99
69) o-Xylene	12.16	106	110793	21.843	ug/l	100
70) Styrene	12.18	104	189533	21.748	ug/l	99
71) Bromoform	12.35	173	32960	22.719	ug/l #	100
73) Isopropylbenzene	12.46	105	306171	21.416	ug/l	100
74) N-amyl acetate	12.27	43	62829	22.719	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51301	22.740	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	65663	45.930	ug/l #	100
77) Bromobenzene	12.75	156	73428	21.501	ug/l	98
78) n-propylbenzene	12.80	91	357414	21.600	ug/l	99
79) 2-Chlorotoluene	12.89	91	199147	21.416	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	259923	21.538	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16983	22.450	ug/l	97
82) 4-Chlorotoluene	12.99	91	211313	21.646	ug/l	98
83) tert-Butylbenzene	13.21	119	224080	20.918	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	258888	21.747	ug/l	100
85) sec-Butylbenzene	13.38	105	316341	21.595	ug/l	100
86) p-Isopropyltoluene	13.50	119	294859	21.609	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	142761	21.575	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	141269	21.490	ug/l	98
89) n-Butylbenzene	13.82	91	268570	21.805	ug/l	100
90) Hexachloroethane	14.09	117	49048	20.680	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	123837	21.584	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7952	23.310	ug/l	98

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

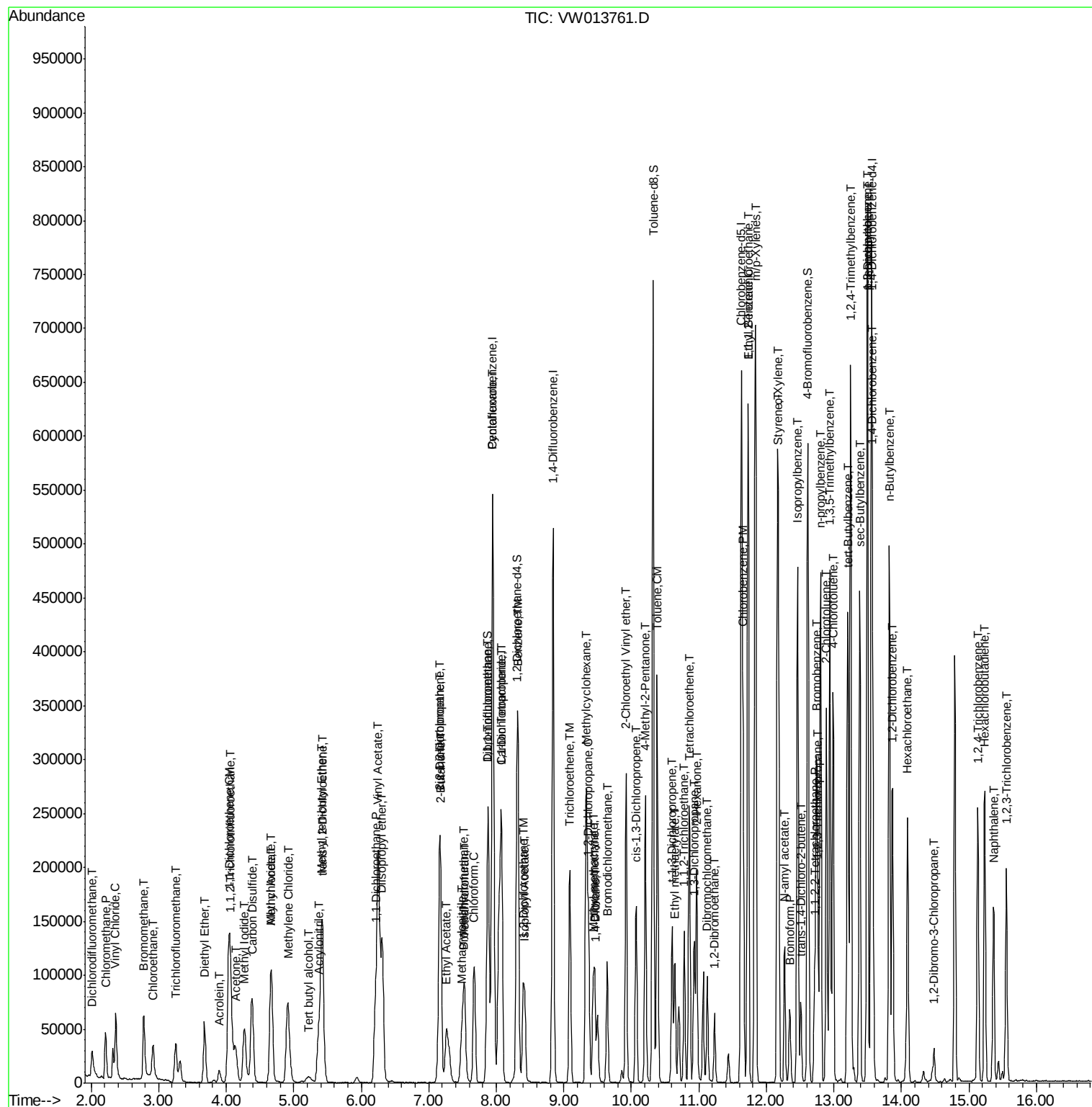
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	89416	21.415	ug/l	99
94) Hexachlorobutadiene	15.24	225	62293	22.099	ug/l	98
95) Naphthalene	15.36	128	149394	22.820	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	76662	21.308	ug/l	99

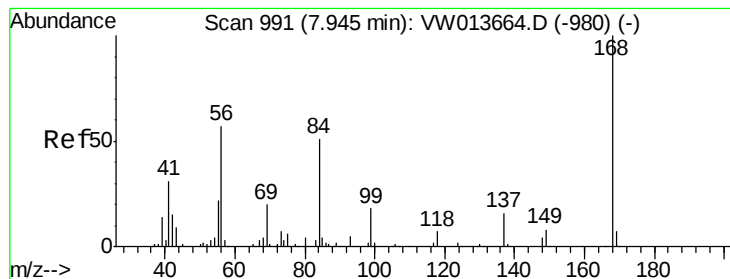
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 MSVOA_W
 ClientSampled :

Quant Time: Oct 29 11:45:00 2019
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

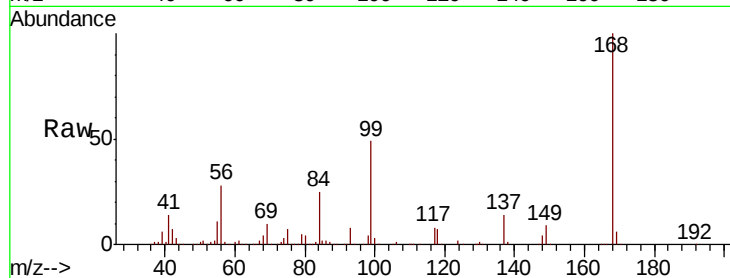
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 320530

Ion Ratio Lower Upper

168 100

99 49.3 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

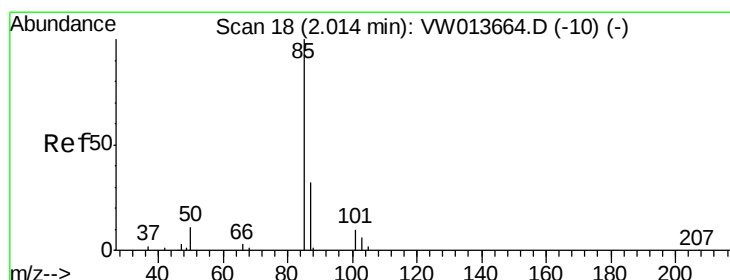
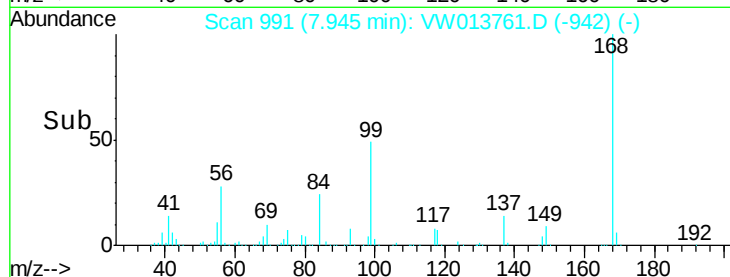
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 24.533 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013761.D

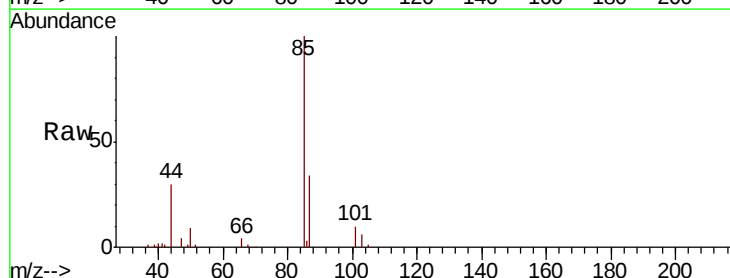
Acq: 28 Oct 2019 12:55

Tgt Ion: 85 Resp: 41427

Ion Ratio Lower Upper

85 100

87 33.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

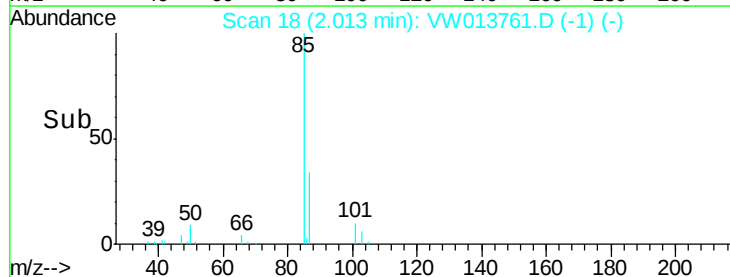
15000

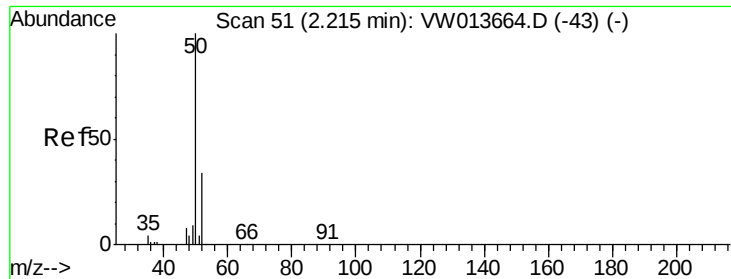
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 25.185 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

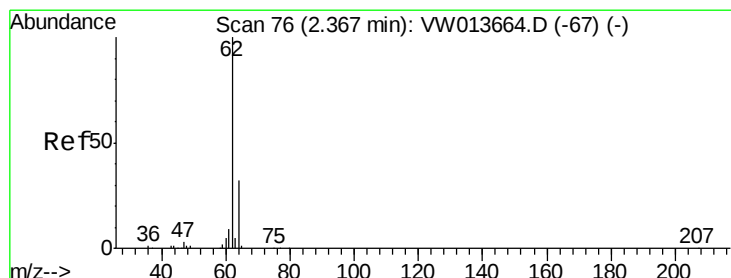
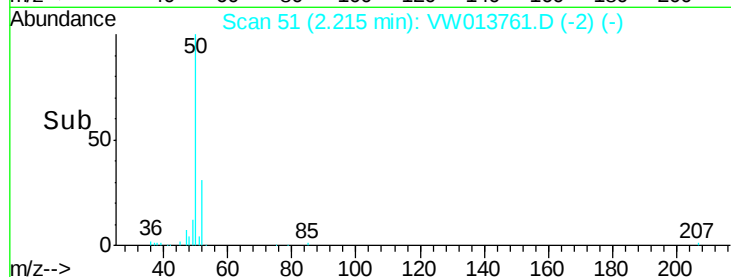
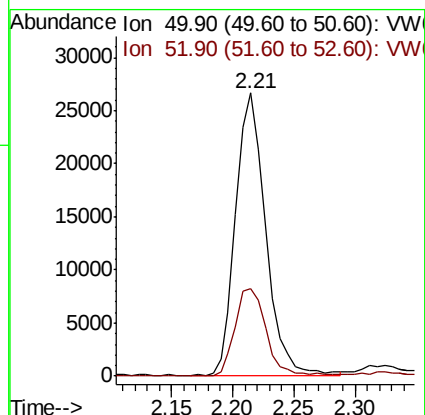
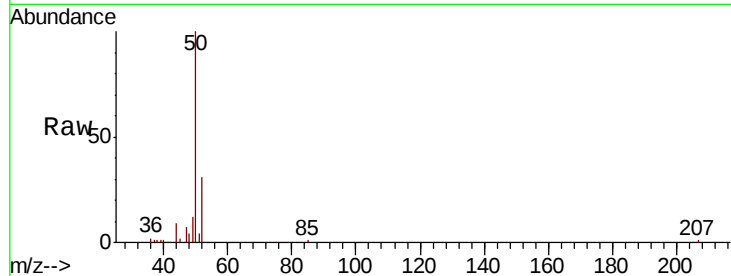
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 45706

Ion Ratio Lower Upper

50 100

52 31.1 26.9 40.3



#4

Vinyl Chloride

Concen: 24.447 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013761.D

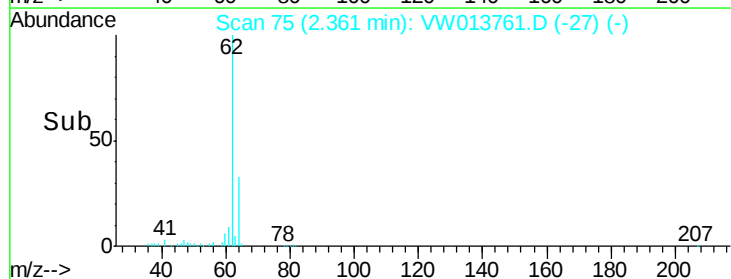
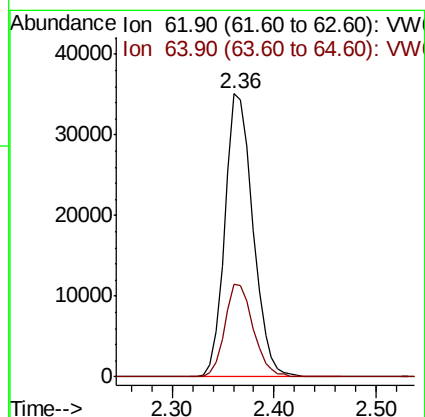
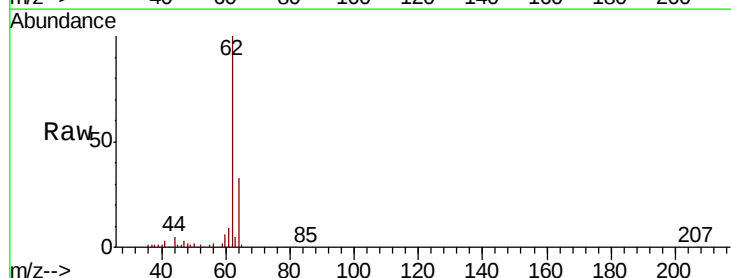
Acq: 28 Oct 2019 12:55

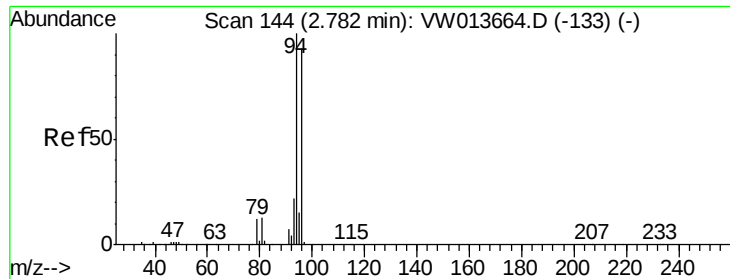
Tgt Ion: 62 Resp: 67001

Ion Ratio Lower Upper

62 100

64 32.7 25.5 38.3





#5

Bromomethane

Concen: 23.274 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

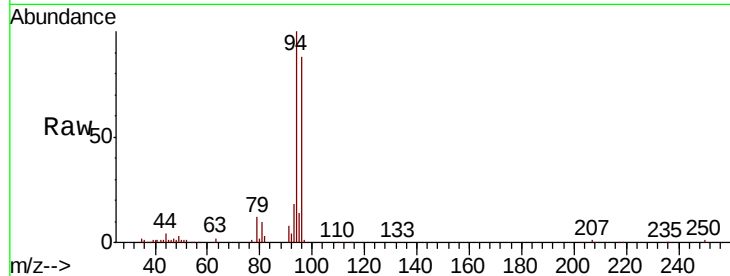
ClientSampleId :

Tot Ion: 94 Resp: 41951

Ion Ratio Lower Upper

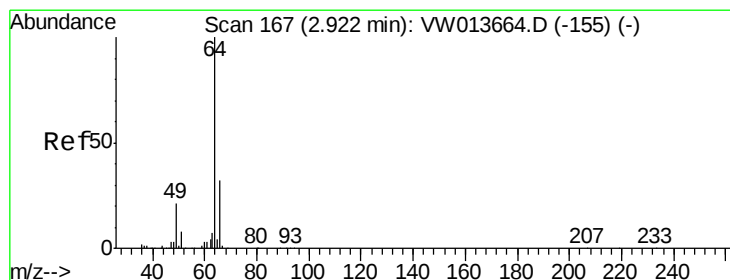
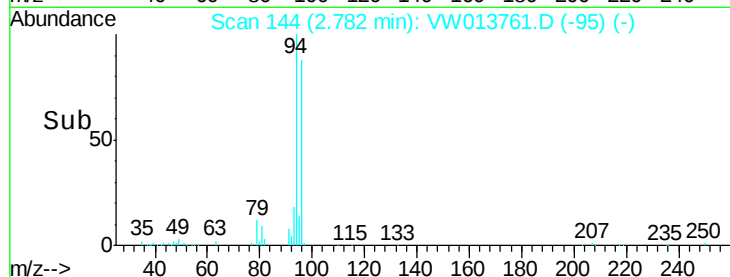
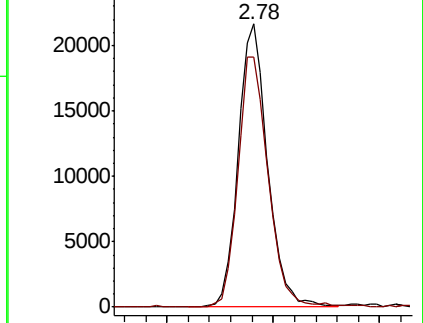
94 100

96 88.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 21.851 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013761.D

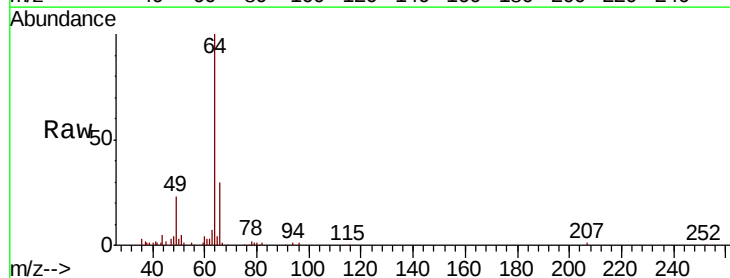
Acq: 28 Oct 2019 12:55

Tgt Ion: 64 Resp: 36238

Ion Ratio Lower Upper

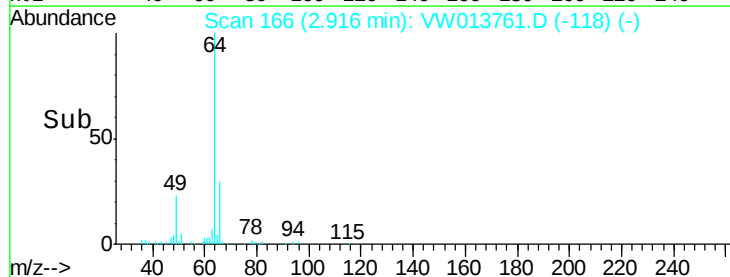
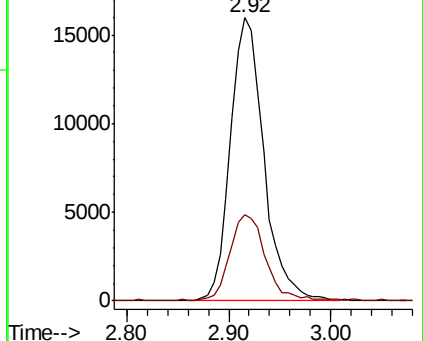
64 100

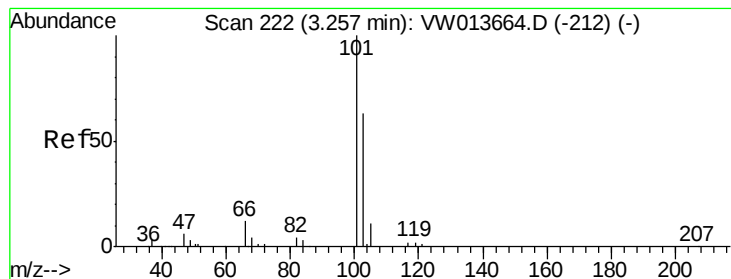
66 30.4 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



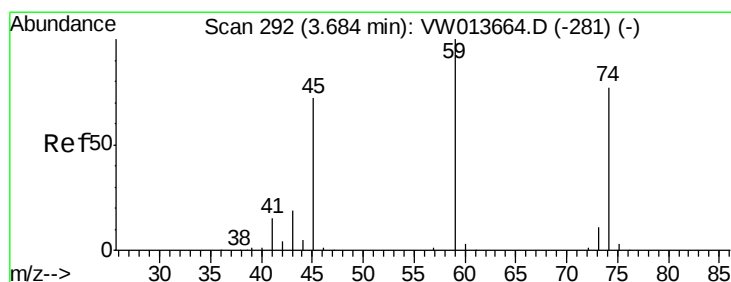
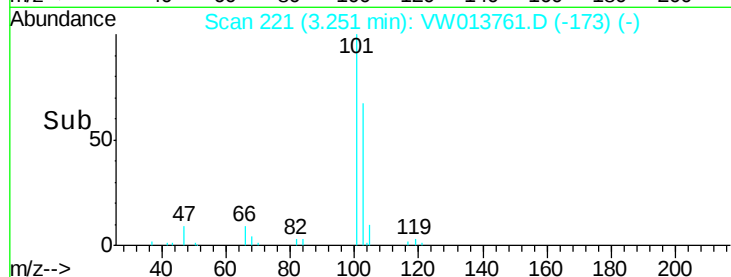
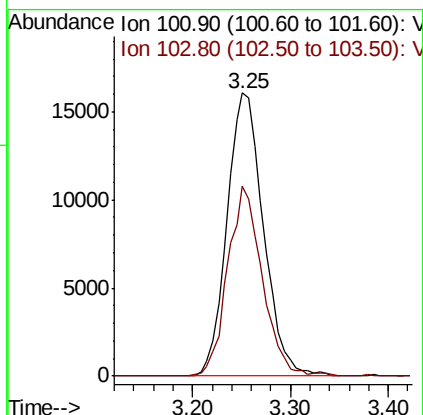
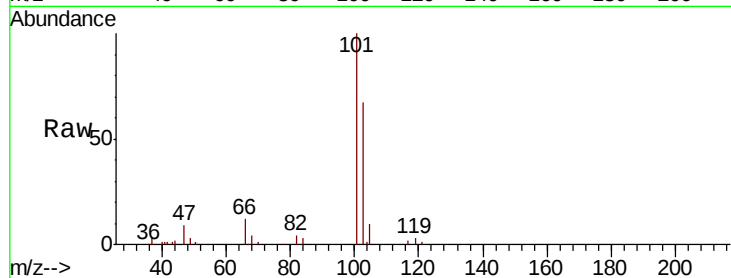


#7

Trichlorofluoromethane
 Concen: 24.211 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Instrument :
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 ClientSampleId :

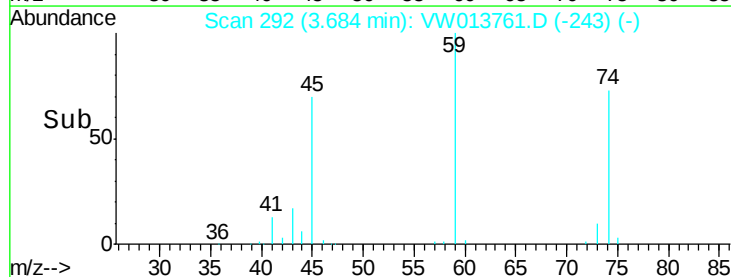
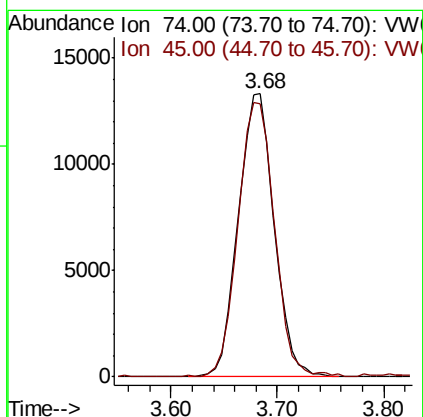
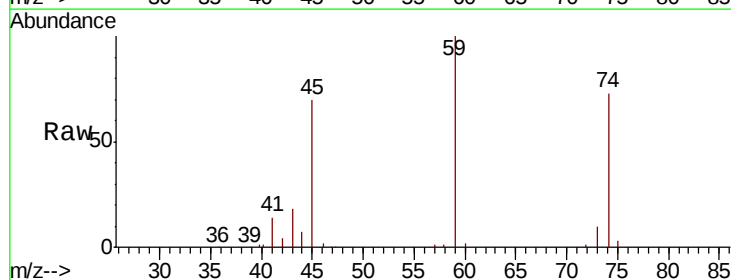
Tot Ion:101 Resp: 41447
 Ion Ratio Lower Upper
 101 100
 103 66.9 50.6 76.0

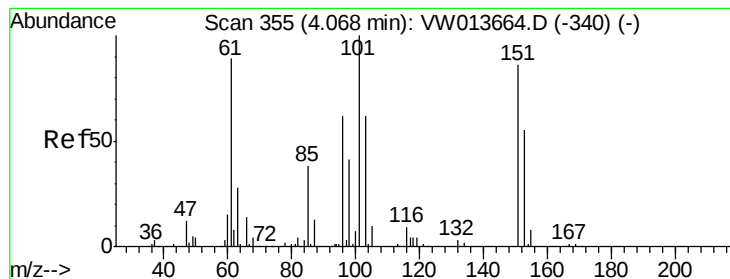


#8

Diethyl Ether
 Concen: 22.813 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion: 74 Resp: 31551
 Ion Ratio Lower Upper
 74 100
 45 98.8 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.697 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampled :

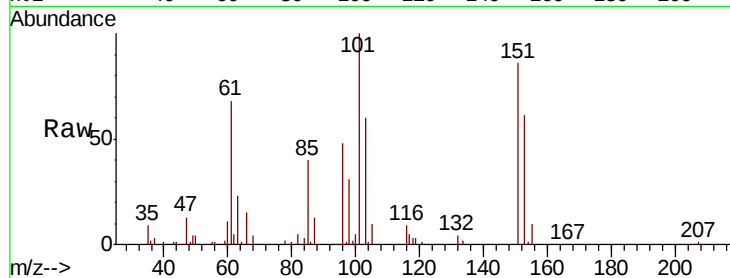
Tot Ion:101 Resp: 60381

Ion Ratio Lower Upper

101 100

85 40.6 31.0 46.6

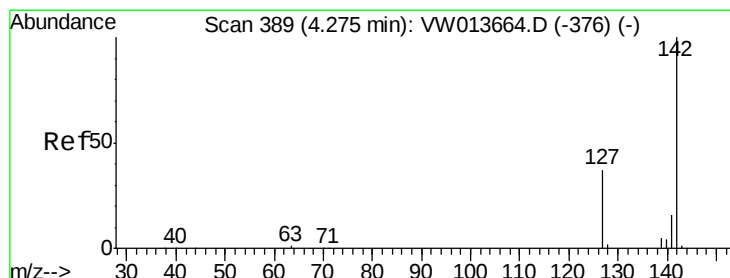
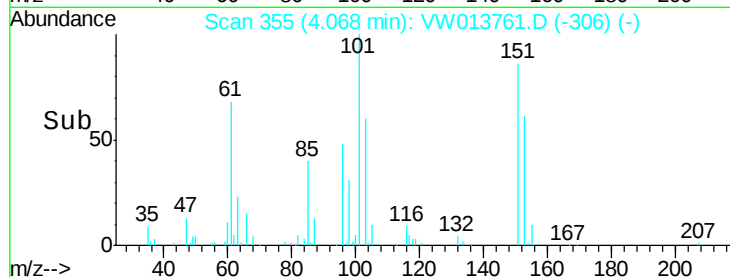
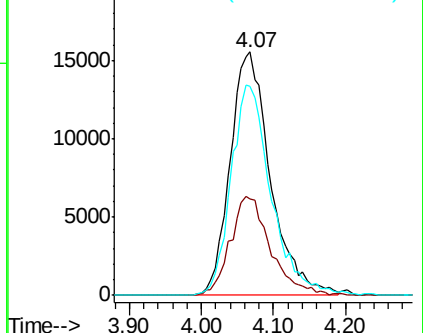
151 86.1 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.894 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

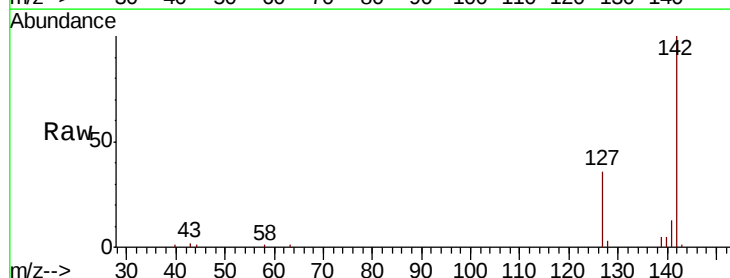
Tgt Ion:142 Resp: 99290

Ion Ratio Lower Upper

142 100

127 37.8 30.3 45.5

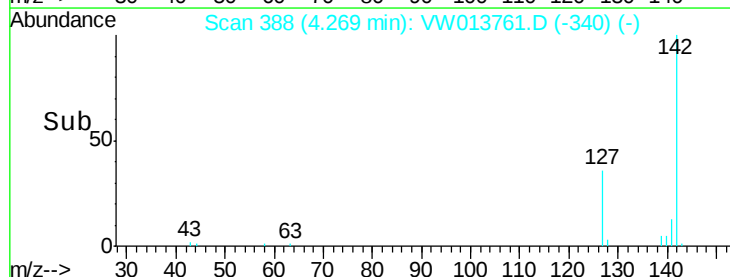
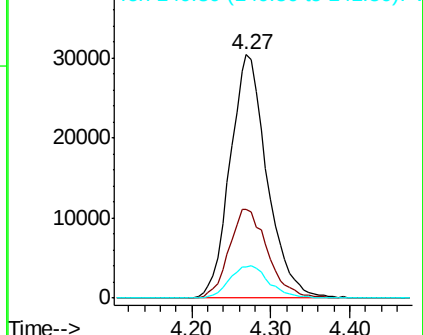
141 14.1 11.8 17.8

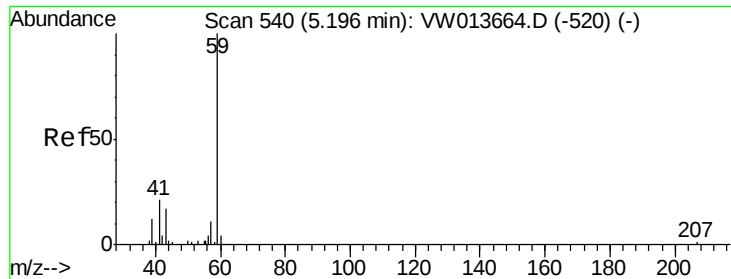


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



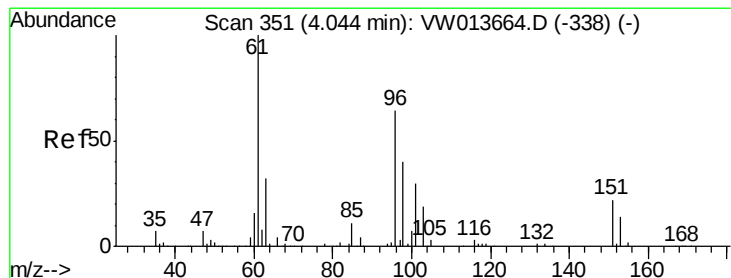
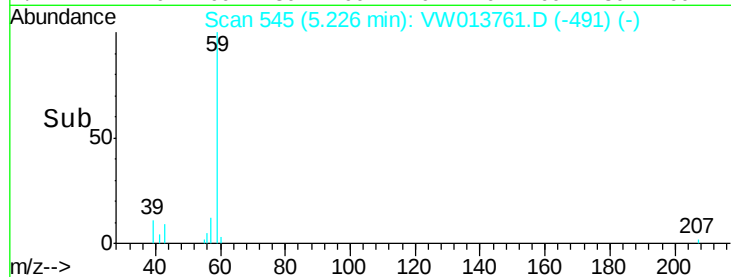
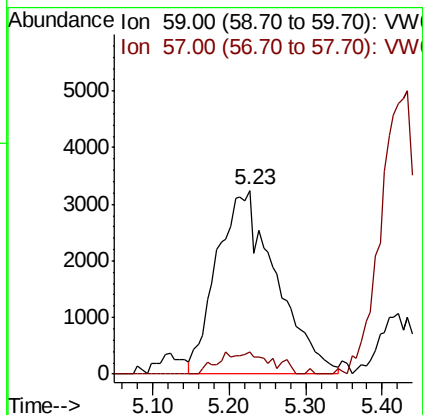
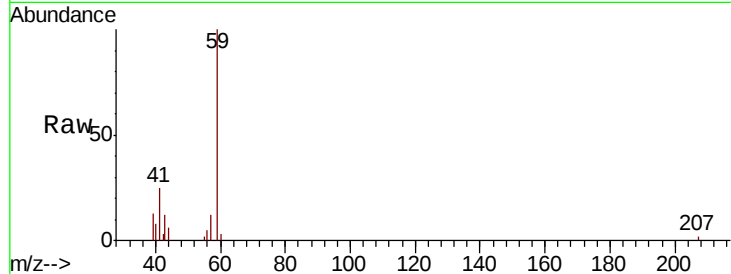


#11

Tert butyl alcohol
Concen: 121.232 ug/l
RT: 5.23 min Scan# 545
Delta R.T. 0.03 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampled :

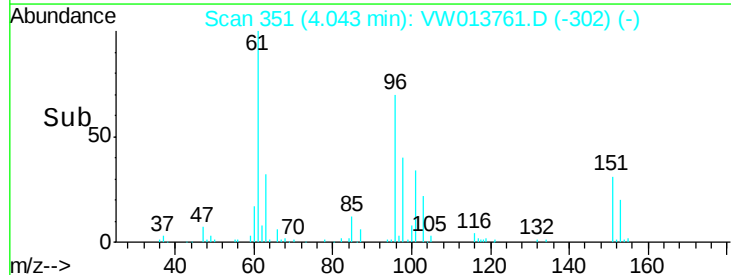
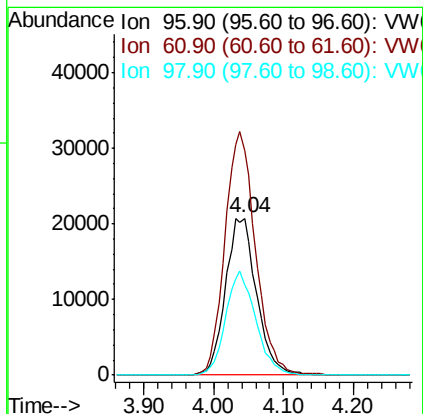
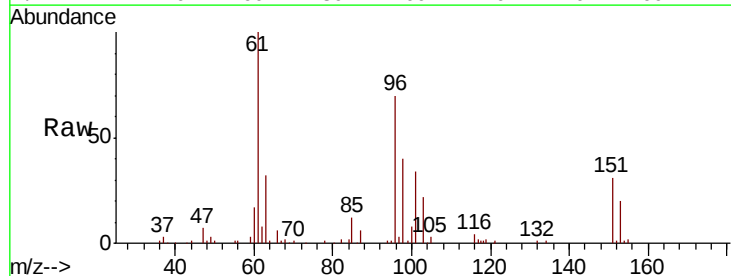
Tot Ion: 59 Resp: 17402
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

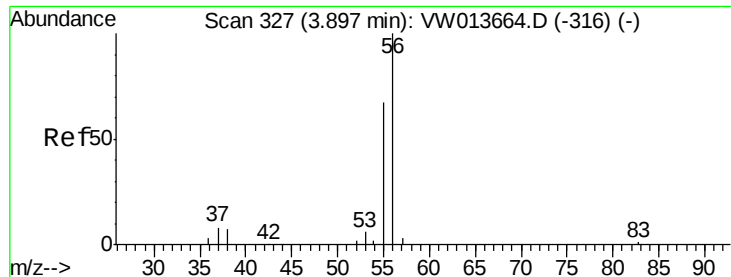


#12

1,1-Dichloroethene
Concen: 22.255 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion: 96 Resp: 63975
Ion Ratio Lower Upper
96 100
61 142.8 125.0 187.6
98 57.8 50.3 75.5





#13

Acrolein

Concen: 93.857 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

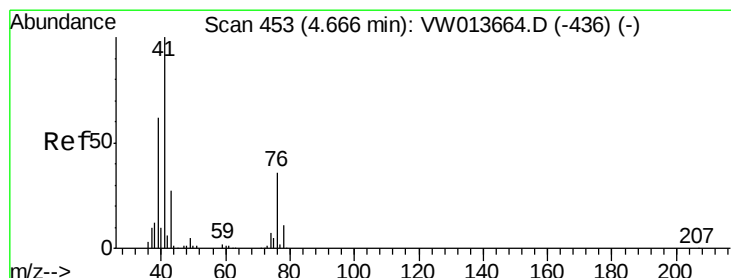
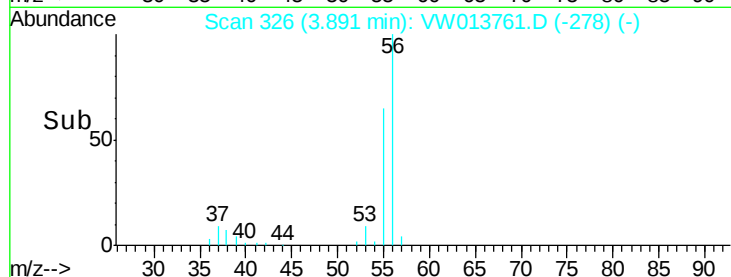
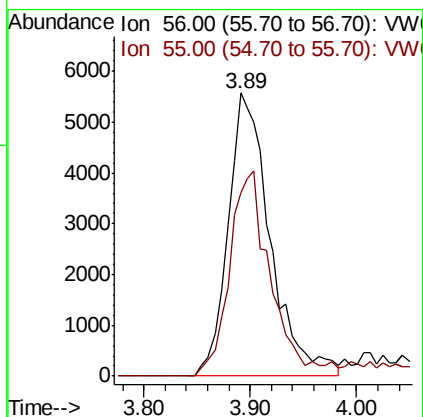
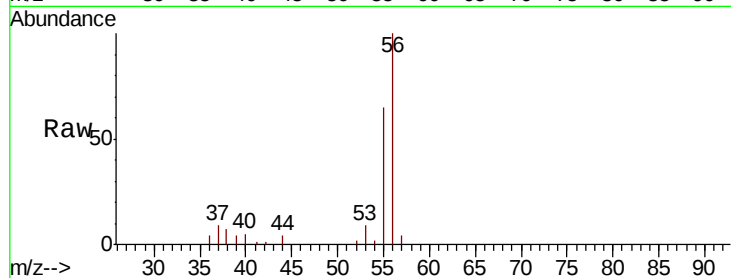
ClientSampleId :

Tot Ion: 56 Resp: 15435

Ion Ratio Lower Upper

56 100

55 69.5 56.1 84.1



#14

Allyl chloride

Concen: 21.634 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

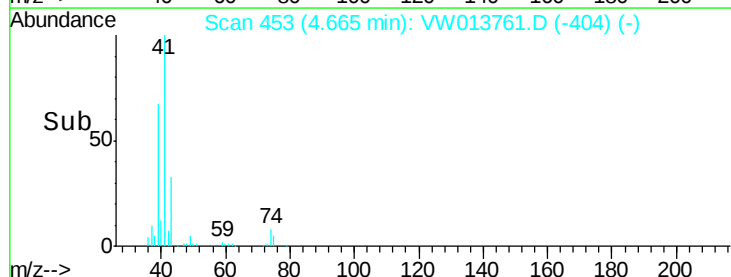
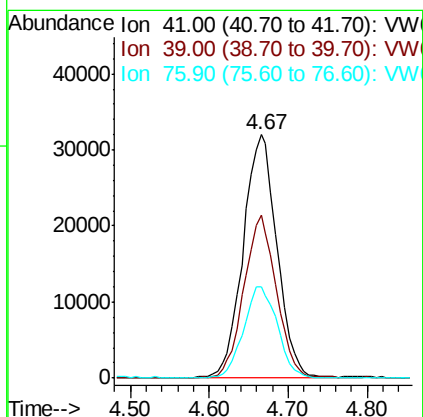
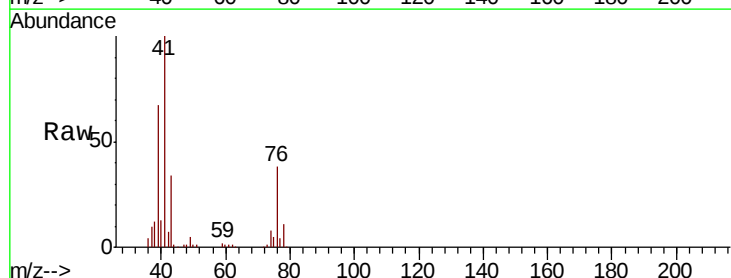
Tgt Ion: 41 Resp: 95627

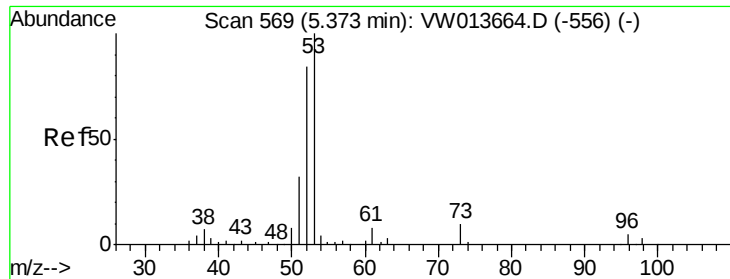
Ion Ratio Lower Upper

41 100

39 64.4 50.0 75.0

76 37.3 29.6 44.4





#15

Acrylonitrile

Concen: 116.670 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

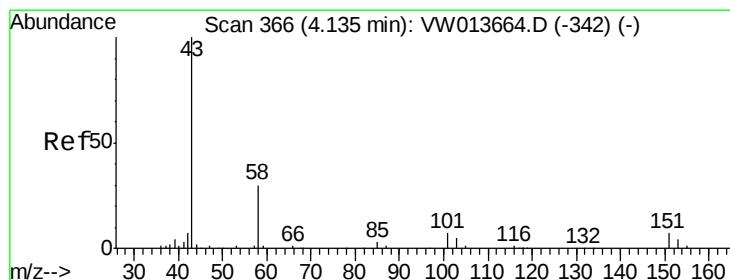
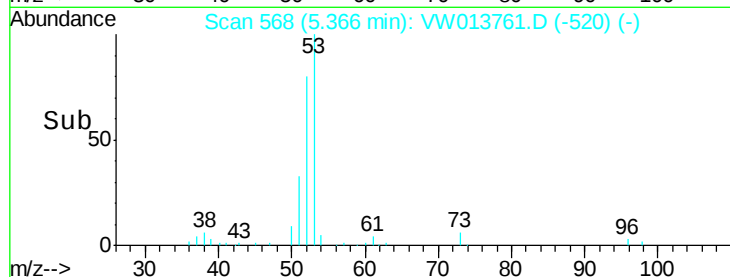
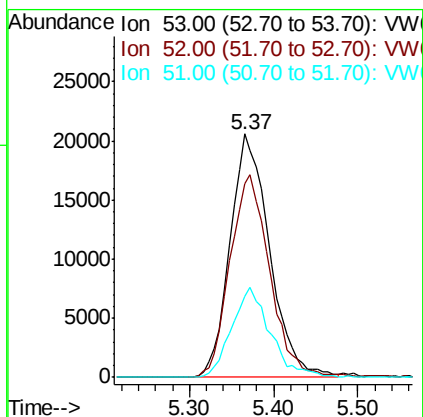
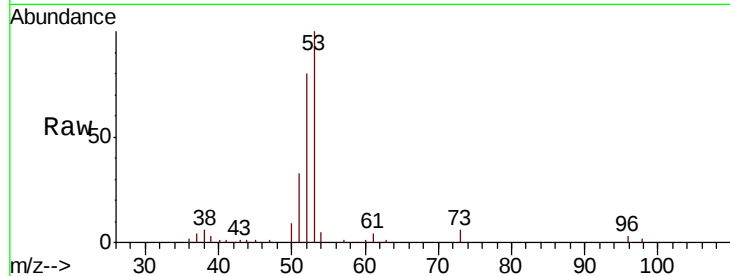
Tot Ion: 53 Resp: 65613

Ion Ratio Lower Upper

53 100

52 83.8 67.4 101.0

51 36.1 29.1 43.7



#16

Acetone

Concen: 107.830 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013761.D

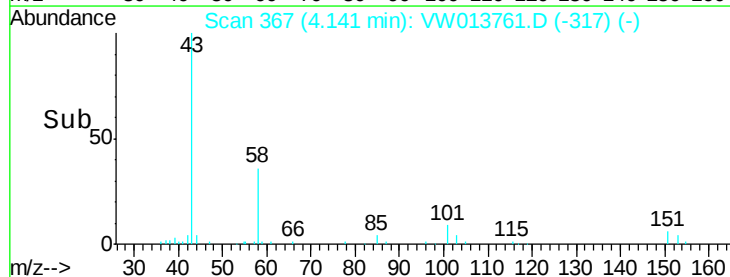
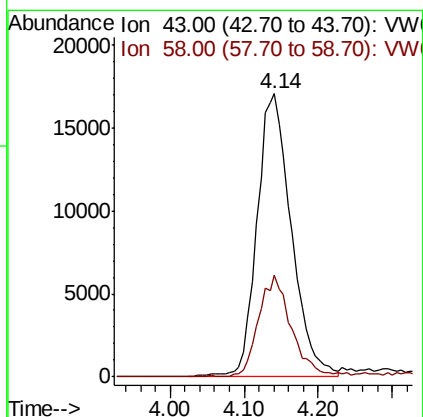
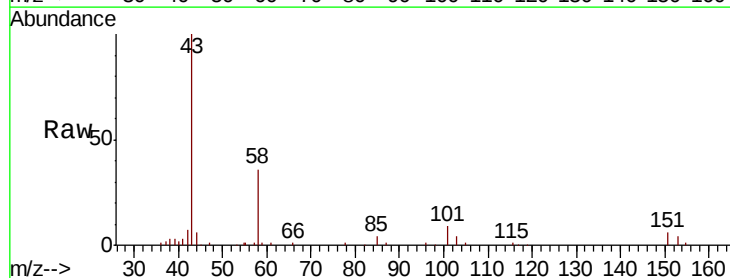
Acq: 28 Oct 2019 12:55

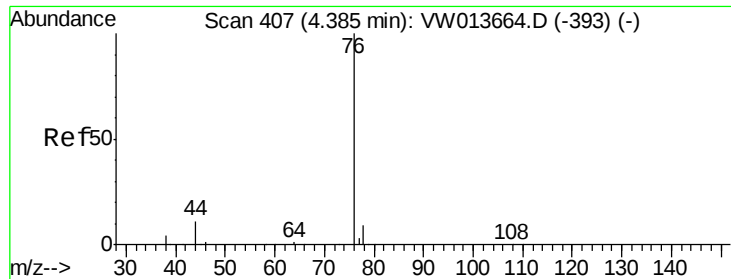
Tgt Ion: 43 Resp: 54975

Ion Ratio Lower Upper

43 100

58 36.0 24.1 36.1

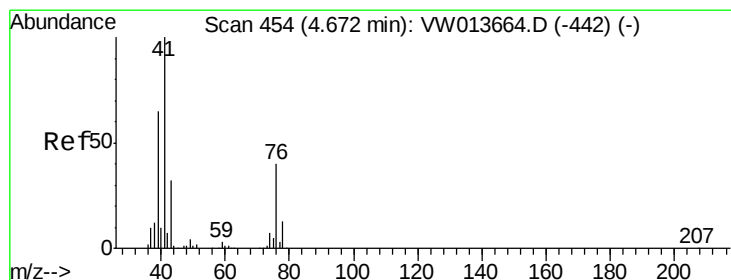
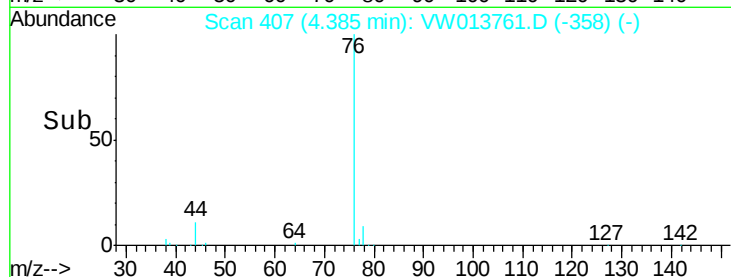
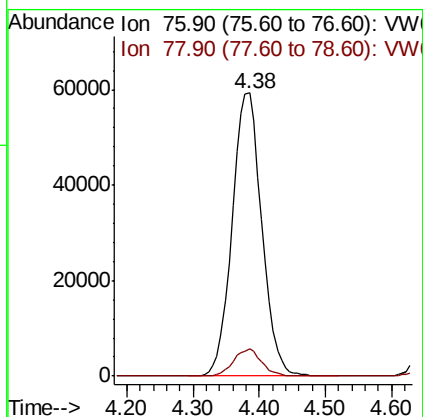
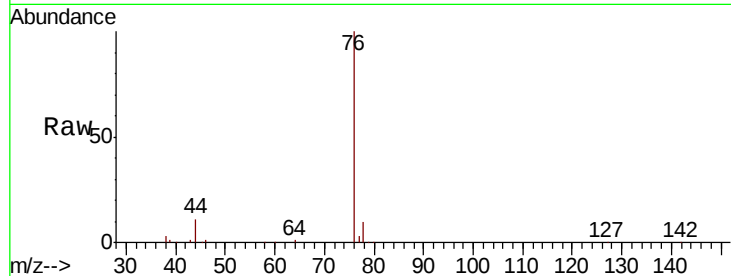




#17
Carbon Disulfide
Concen: 22.275 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

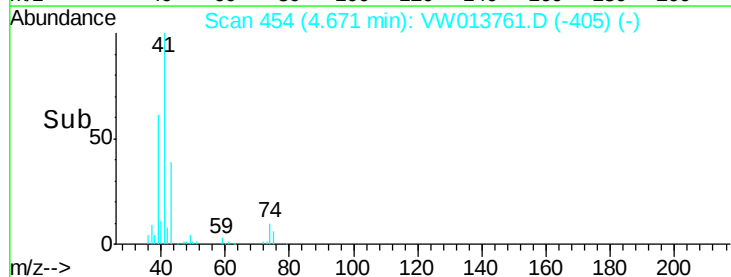
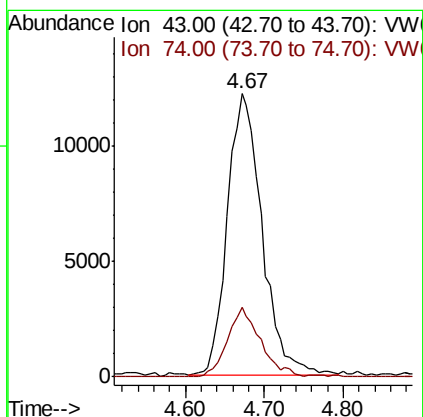
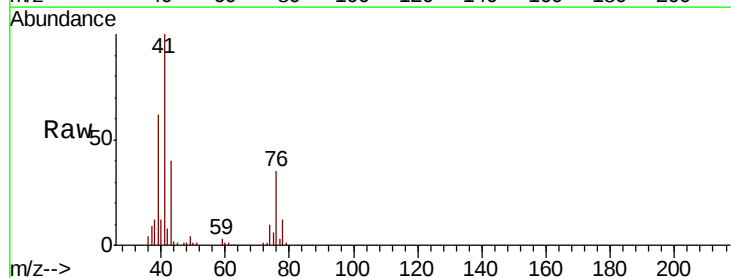
Instrument :
MSVOA_W
ClientSampleId :

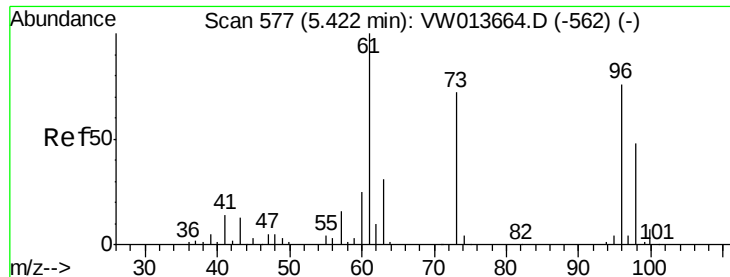
Tot Ion: 76 Resp: 183896
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.6



#18
Methyl Acetate
Concen: 26.684 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion: 43 Resp: 37293
Ion Ratio Lower Upper
43 100
74 23.4 19.8 29.8

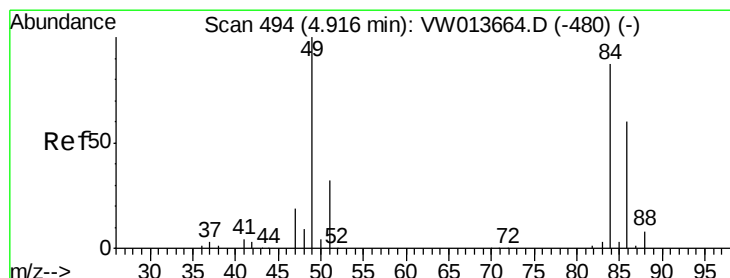
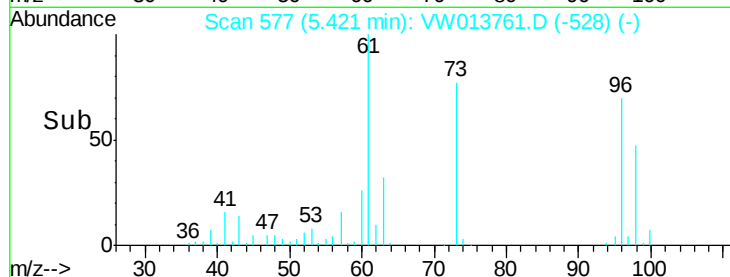
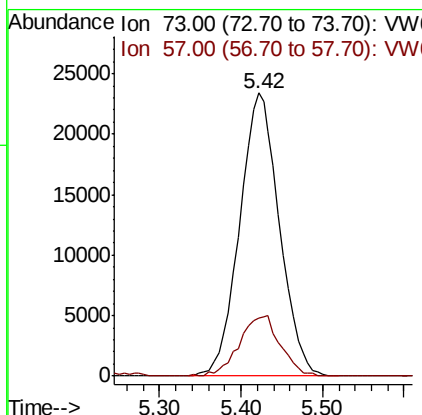
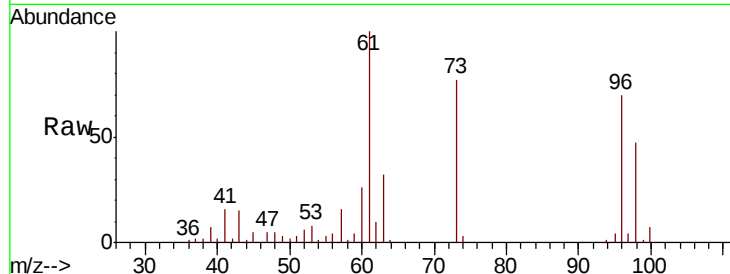




#19
Methyl tert-butyl Ether
Concen: 22.894 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

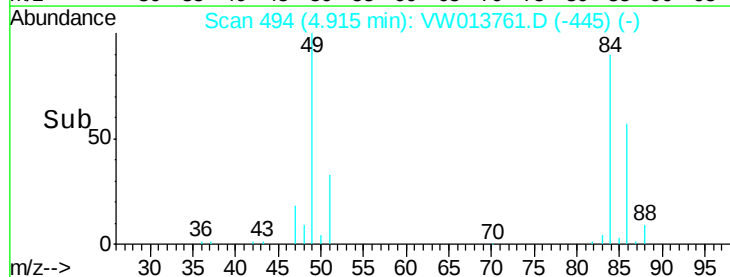
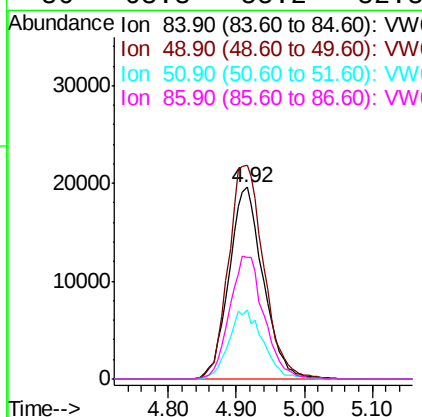
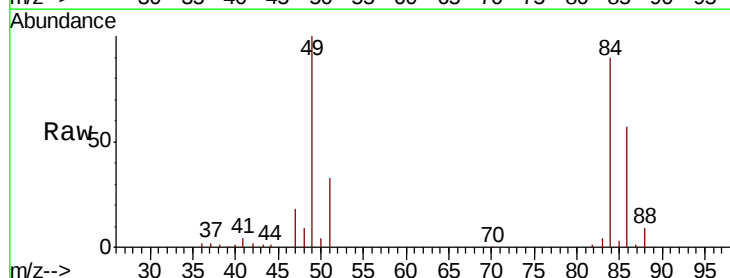
Instrument :
MSVOA_W
ClientSampled :

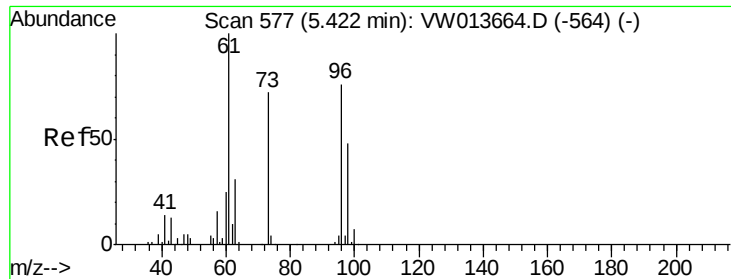
Tot Ion: 73 Resp: 78976
Ion Ratio Lower Upper
73 100
57 20.4 17.6 26.4



#20
Methylene Chloride
Concen: 21.696 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion: 84 Resp: 68399
Ion Ratio Lower Upper
84 100
49 111.5 91.8 137.6
51 36.3 29.8 44.6
86 63.3 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 22.232 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

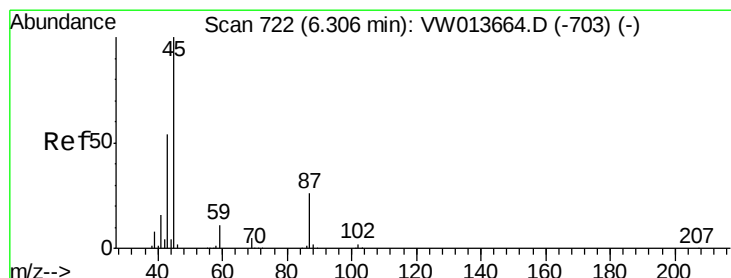
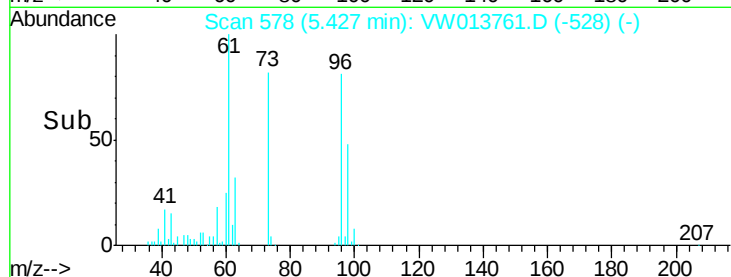
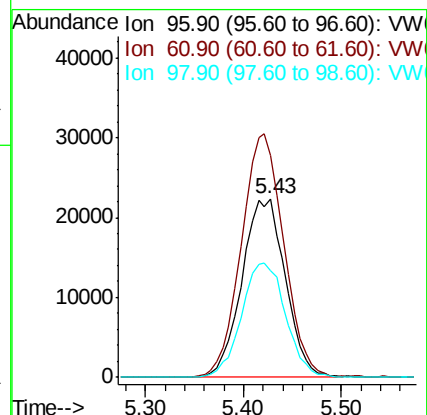
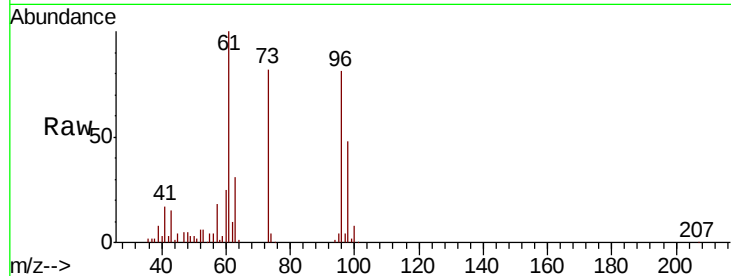
Tot Ion: 96 Resp: 68785

Ion Ratio Lower Upper

96 100

61 123.7 104.8 157.2

98 59.6 50.6 76.0



#22

Diisopropyl ether

Concen: 21.681 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Tgt Ion: 45 Resp: 174814

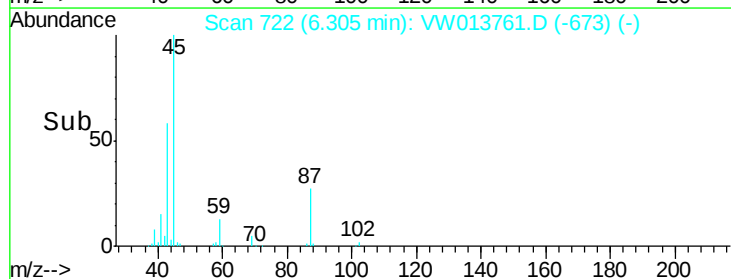
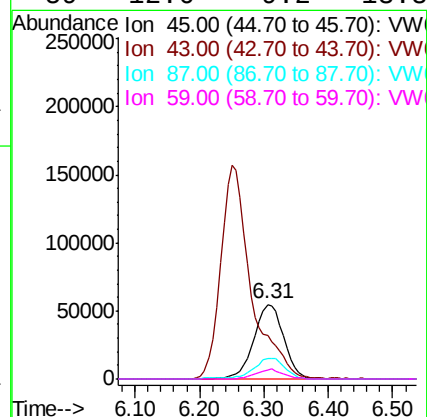
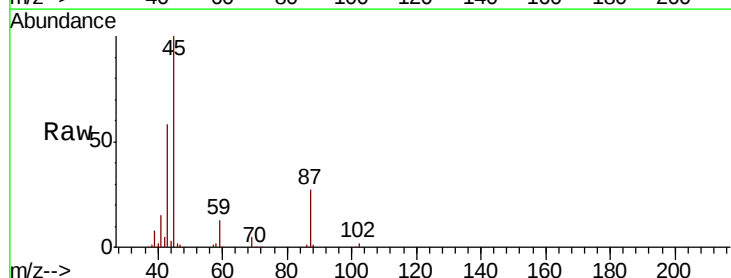
Ion Ratio Lower Upper

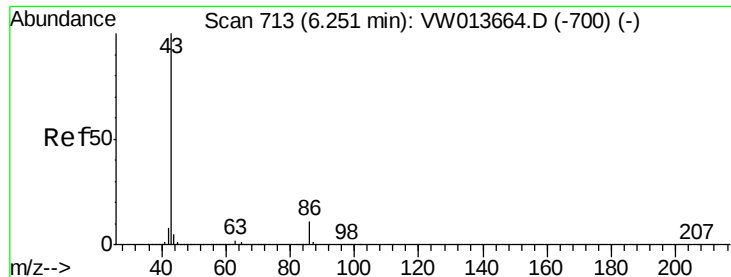
45 100

43 58.0 43.4 65.2

87 26.8 21.5 32.3

59 12.6 9.2 13.8





#23

Vinyl Acetate

Concen: 110.909 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

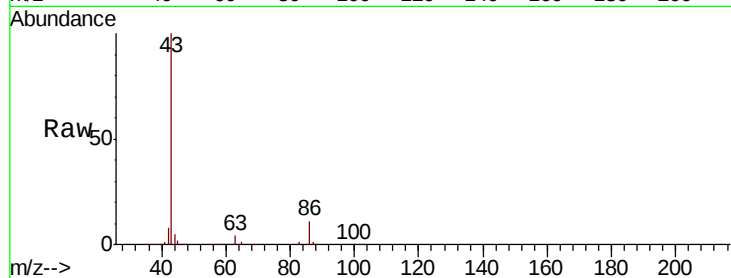
ClientSampleId :

Tot Ion: 43 Resp: 518888

Ion Ratio Lower Upper

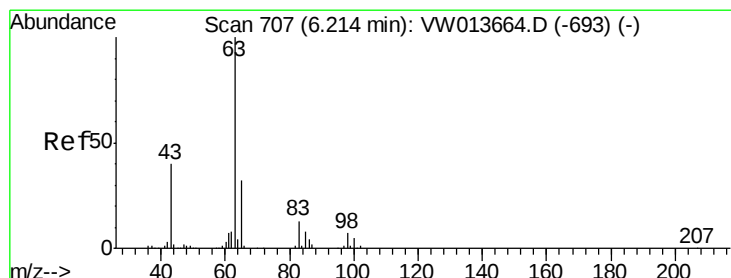
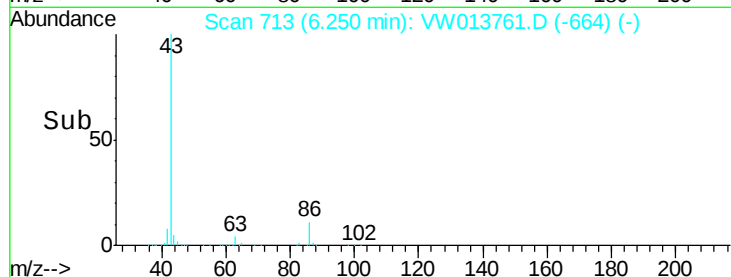
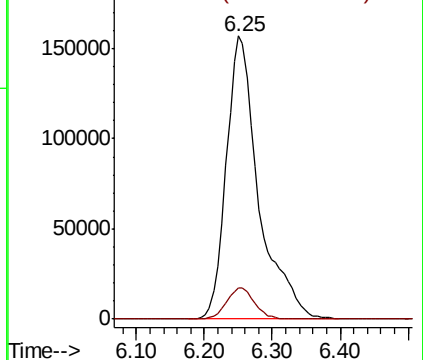
43 100

86 11.1 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 22.031 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

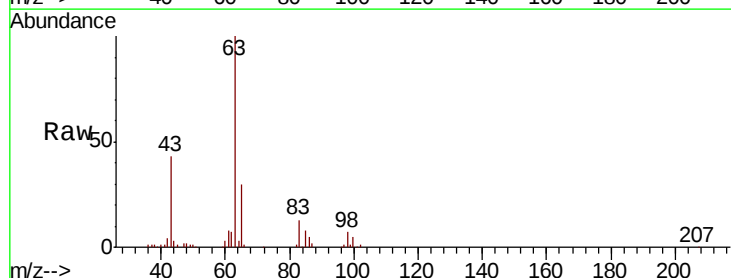
Tgt Ion: 63 Resp: 112501

Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.9

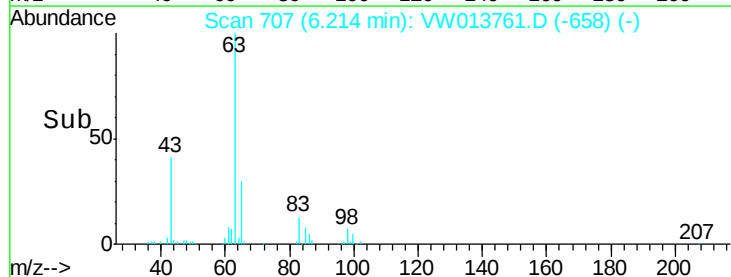
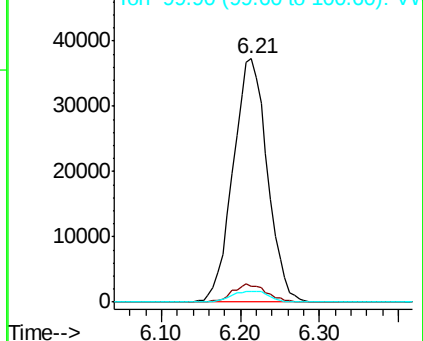
100 4.5 2.5 7.4

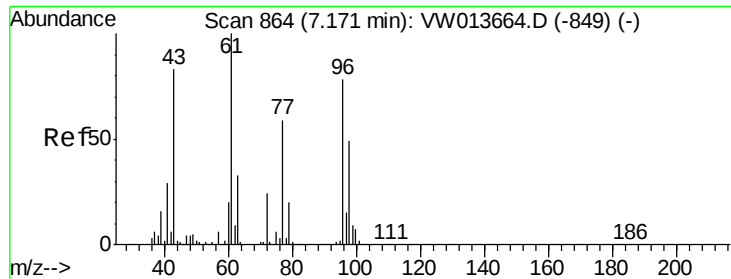


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 111.197 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

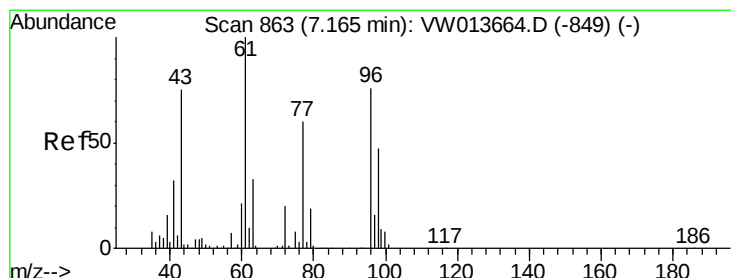
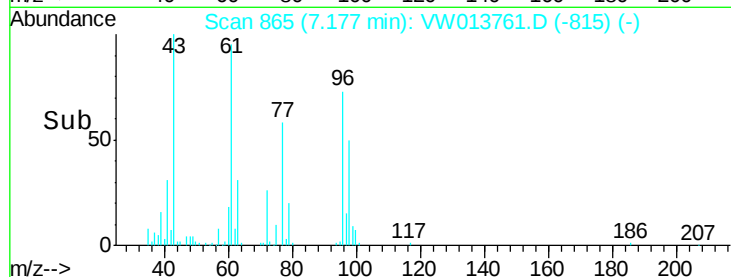
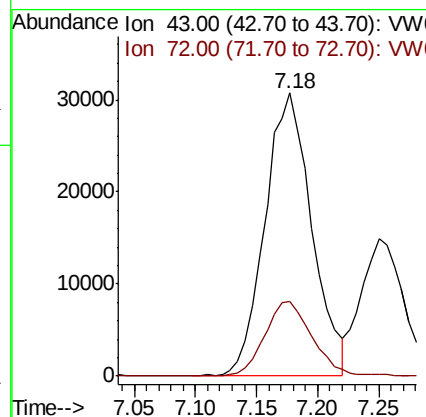
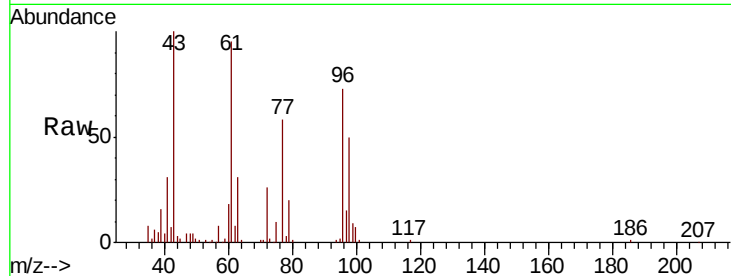
ClientSampled :

Tot Ion: 43 Resp: 81505

Ion Ratio Lower Upper

43 100

72 26.4 23.6 35.4



#26

2,2-Dichloropropane

Concen: 22.341 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013761.D

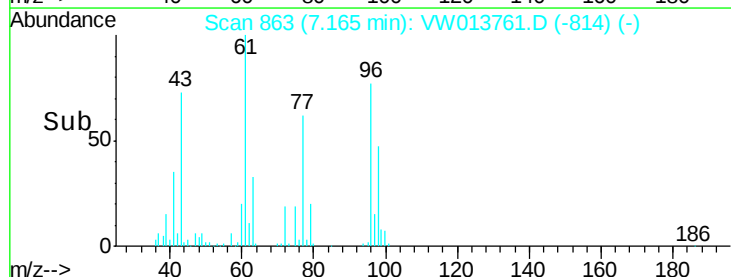
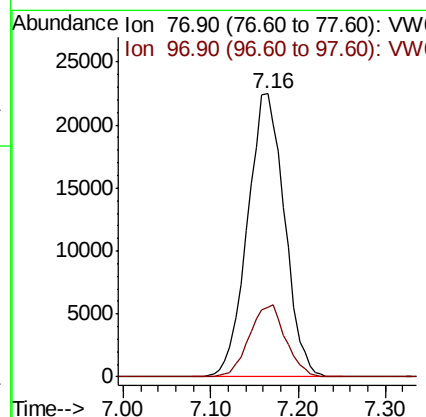
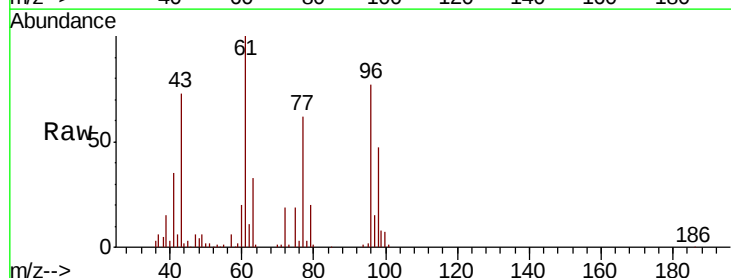
Acq: 28 Oct 2019 12:55

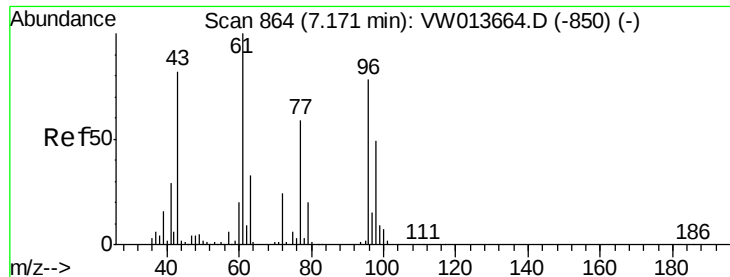
Tgt Ion: 77 Resp: 65969

Ion Ratio Lower Upper

77 100

97 25.0 12.8 38.4



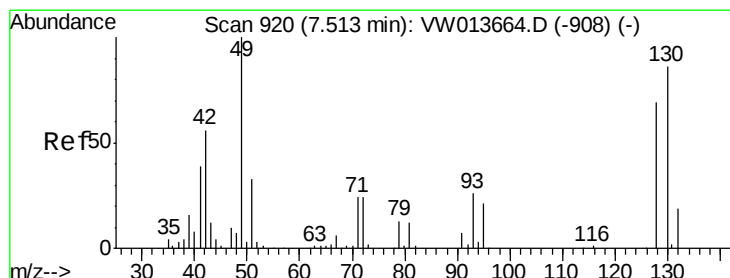
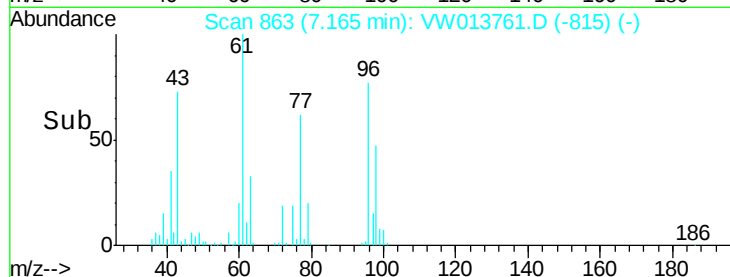
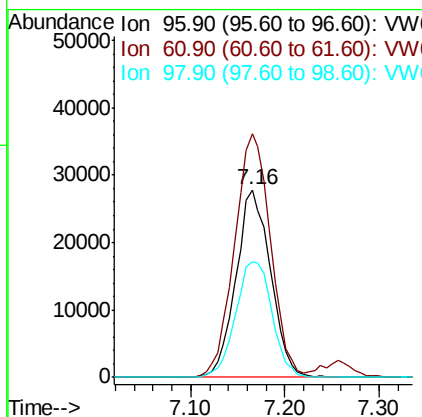
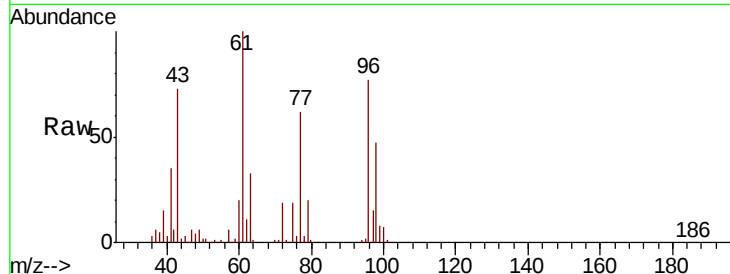


#27

cis-1,2-Dichloroethene
 Concen: 21.612 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Instrument :
 MSVOA_W
 ClientSampled :

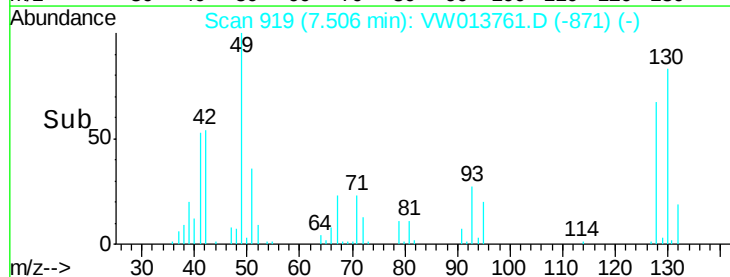
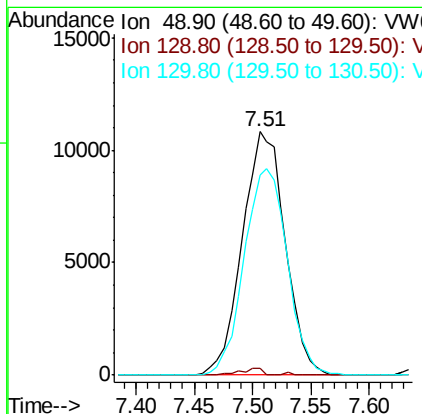
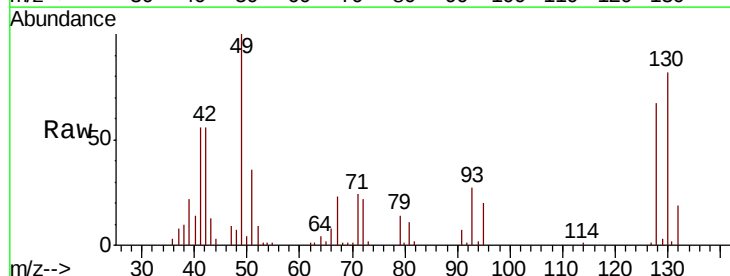
Tot Ion: 96 Resp: 71022
 Ion Ratio Lower Upper
 96 100
 61 135.0 0.0 266.0
 98 65.2 0.0 126.8

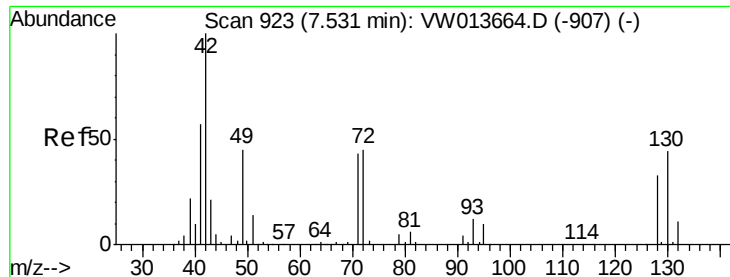


#28

Bromochloromethane
 Concen: 16.174 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion: 49 Resp: 27732
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 0.6#
 130 85.5 67.5 101.3

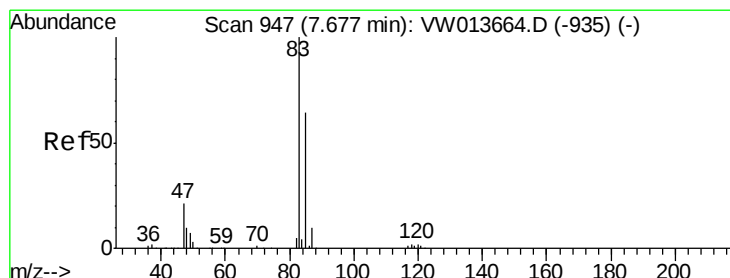
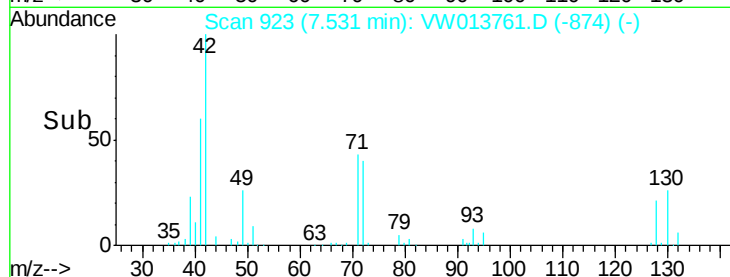
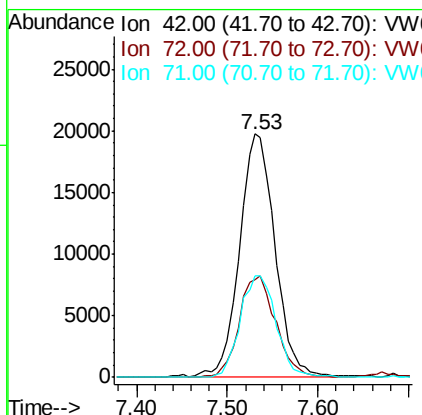
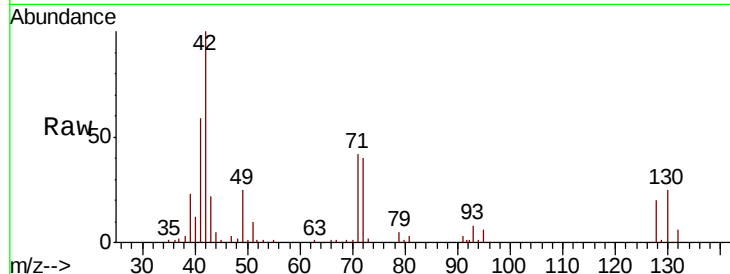




#29
Tetrahydrofuran
Concen: 116.396 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

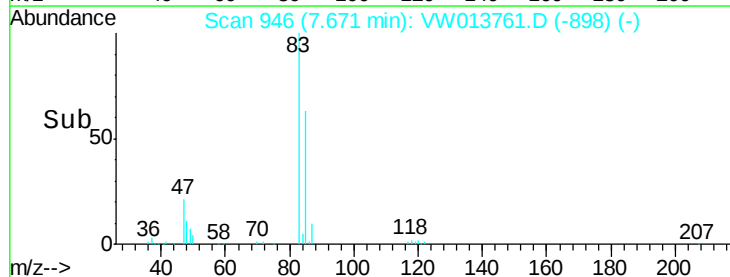
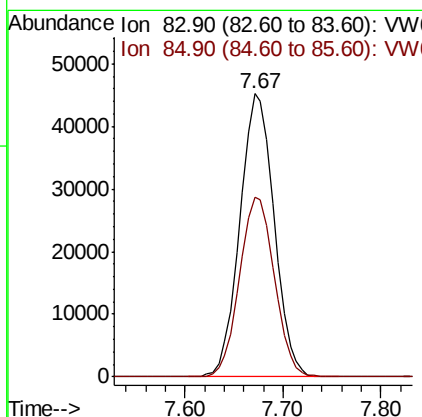
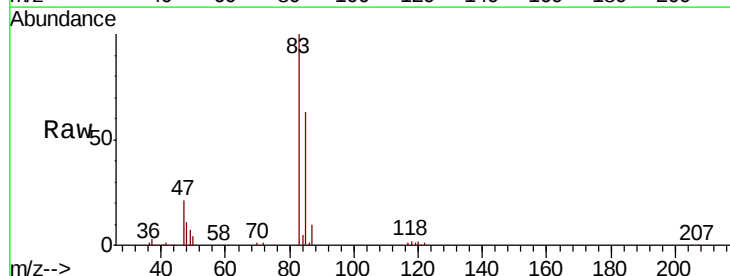
Instrument :
MSVOA_W
ClientSampled :

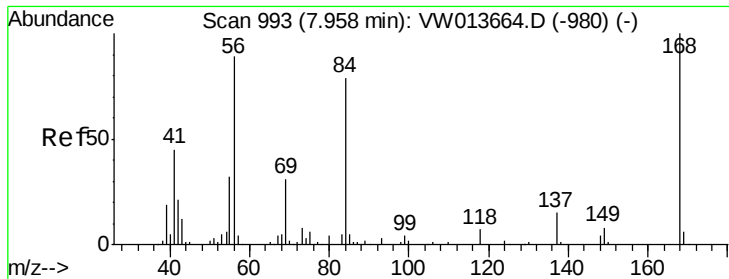
Tot Ion: 42 Resp: 52819
Ion Ratio Lower Upper
42 100
72 43.3 35.3 52.9
71 42.9 33.3 49.9



#30
Chloroform
Concen: 21.740 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion: 83 Resp: 109742
Ion Ratio Lower Upper
83 100
85 63.5 51.4 77.2

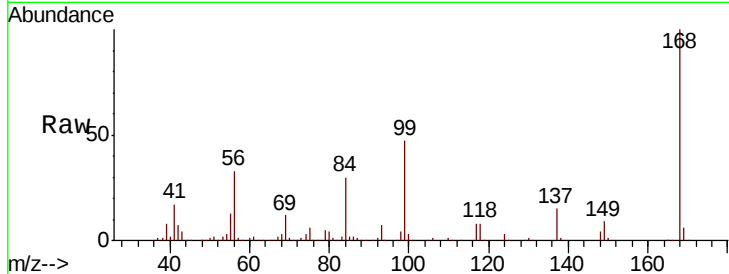




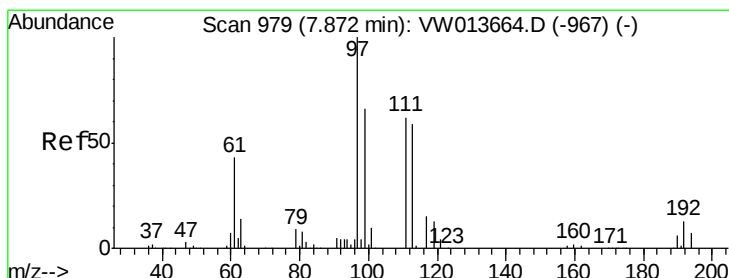
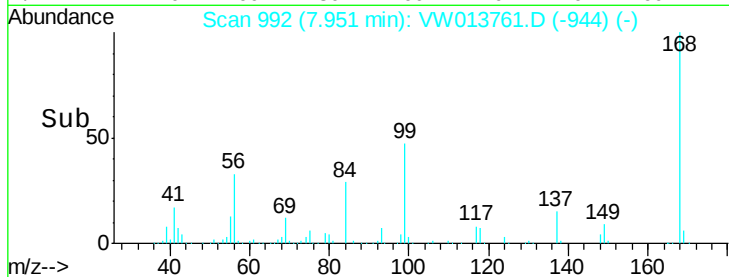
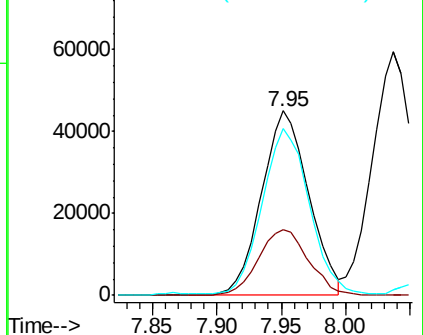
#31
Cyclohexane
Concen: 21.403 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 114377
Ion Ratio Lower Upper
56 100
69 35.9 27.5 41.3
84 89.6 70.8 106.2

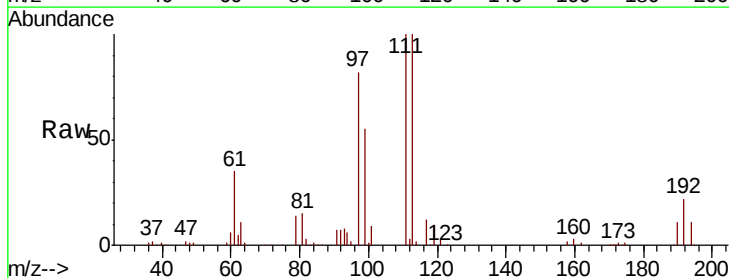


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

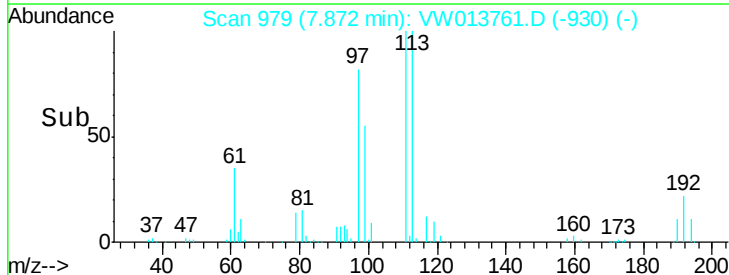
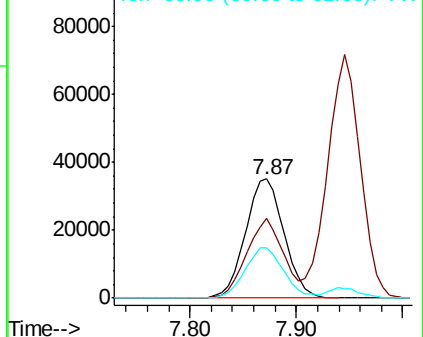


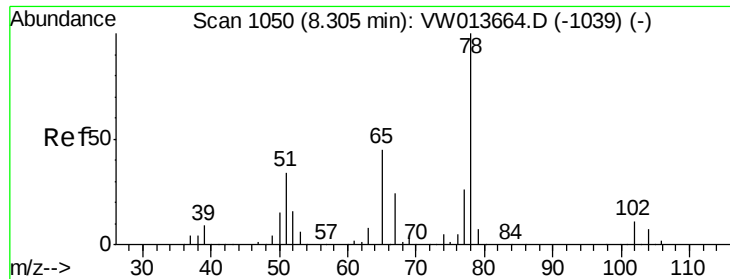
#32
1,1,1-Trichloroethane
Concen: 22.536 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion: 97 Resp: 89275
Ion Ratio Lower Upper
97 100
99 63.5 52.0 78.0
61 42.9 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

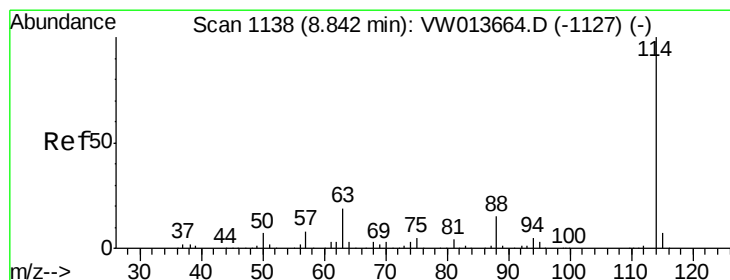
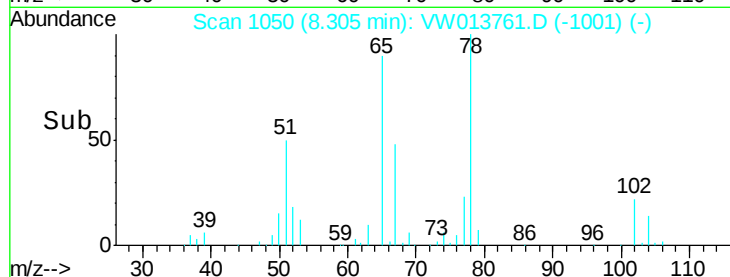
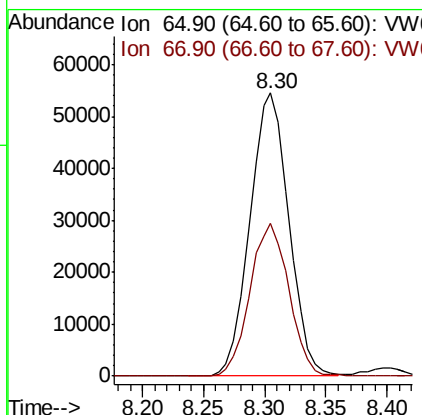
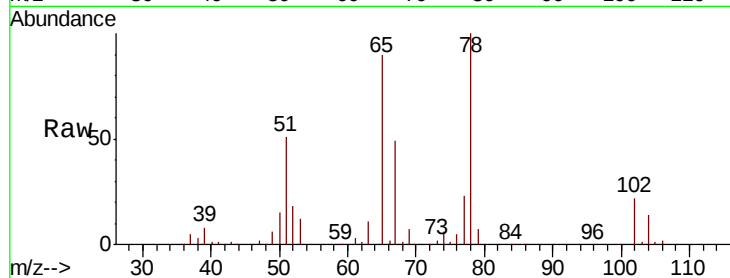




#33
 1,2-Dichloroethane-d4
 Concen: 50.182 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

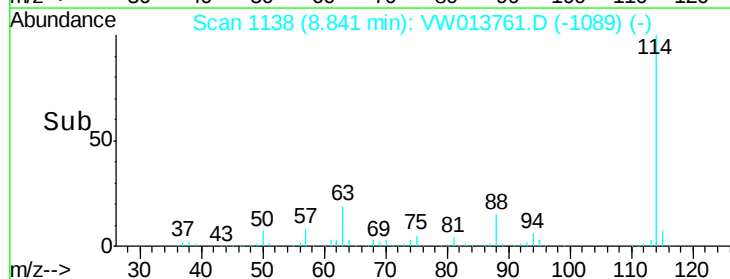
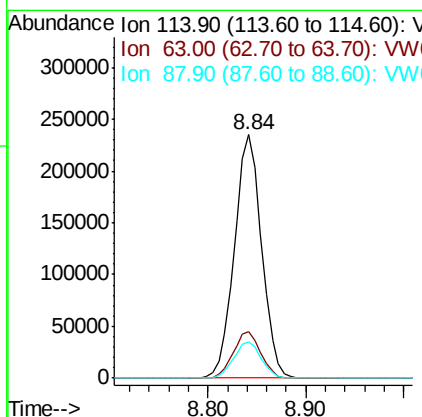
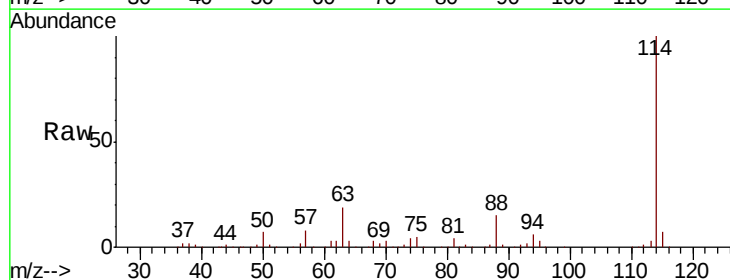
Instrument :
 MSVOA_W
 ClientSampleId :

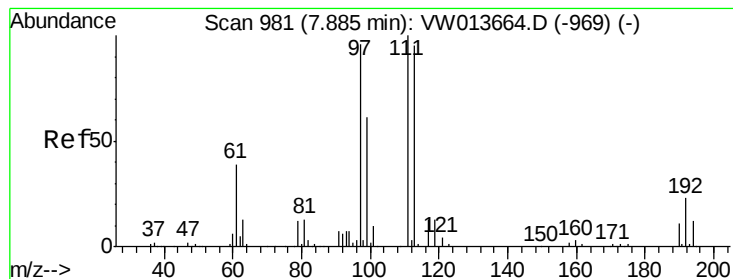
Tot Ion: 65 Resp: 120663
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion: 114 Resp: 451901
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.6
 88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.263 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :

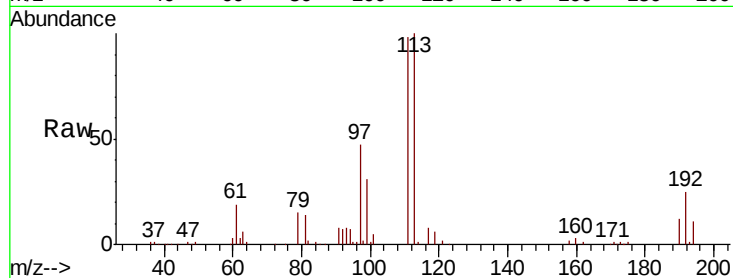
Tot Ion:113 Resp: 123701

Ion Ratio Lower Upper

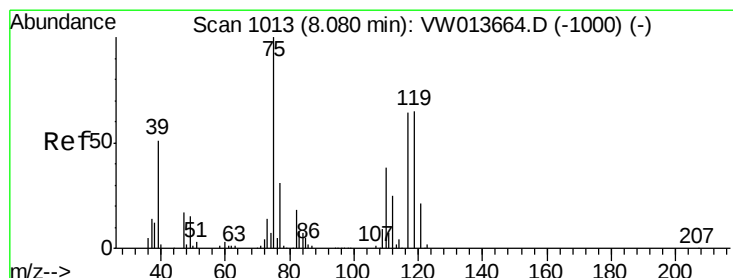
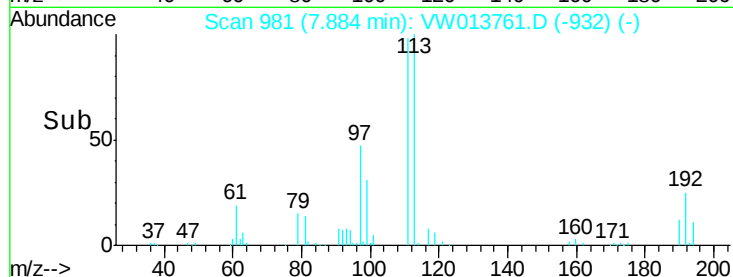
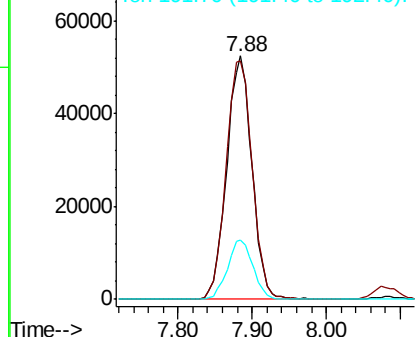
113 100

111 101.8 83.0 124.6

192 24.4 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: 22.225 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

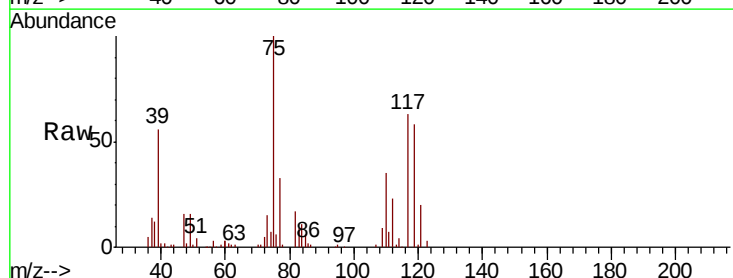
Tgt Ion: 75 Resp: 93537

Ion Ratio Lower Upper

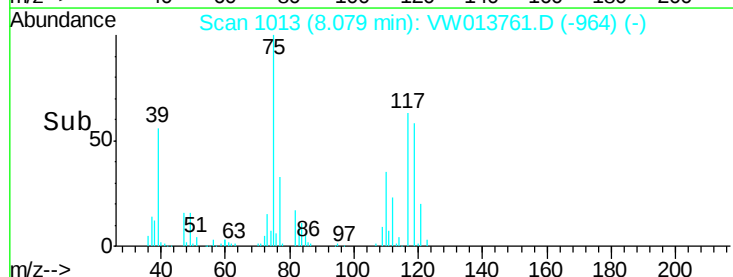
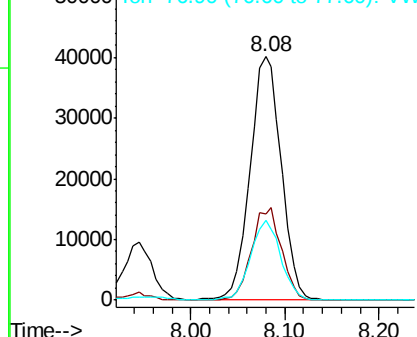
75 100

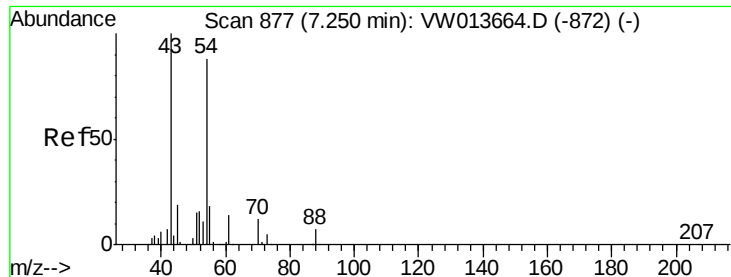
110 36.5 18.7 56.1

77 31.9 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

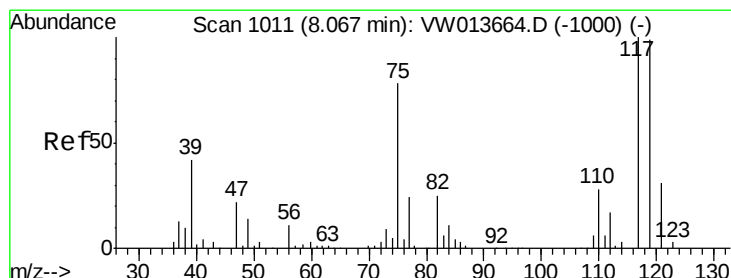
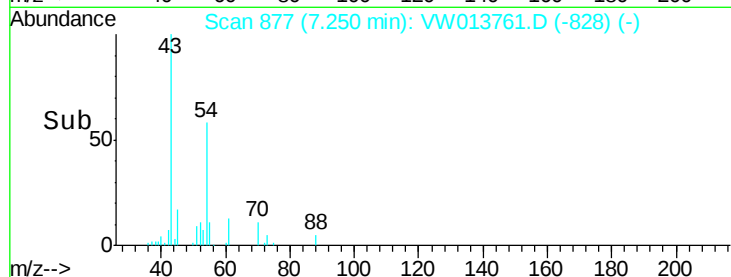
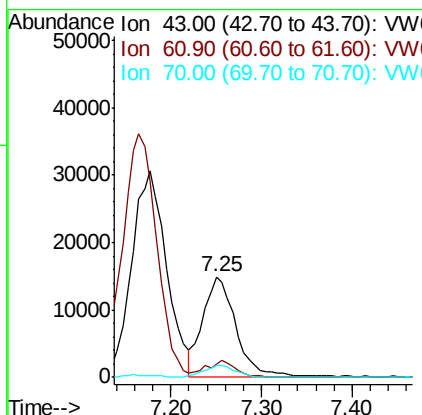
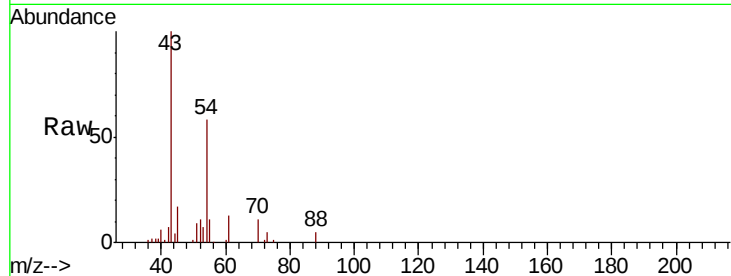




#37
Ethyl Acetate
Concen: 23.180 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

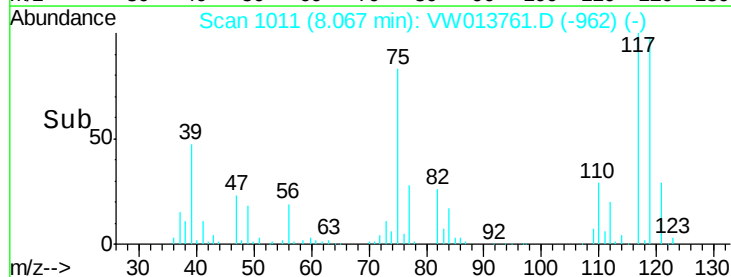
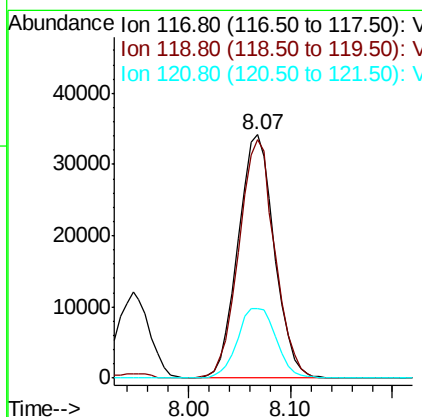
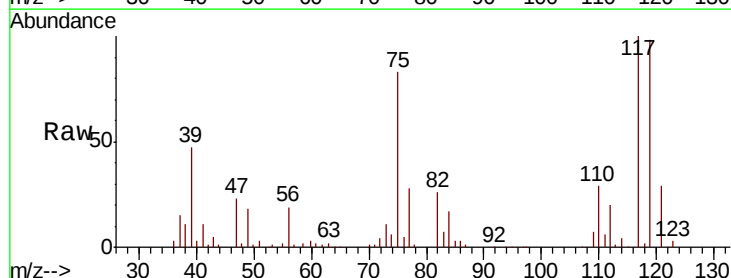
Instrument :
MSVOA_W
ClientSampleId :

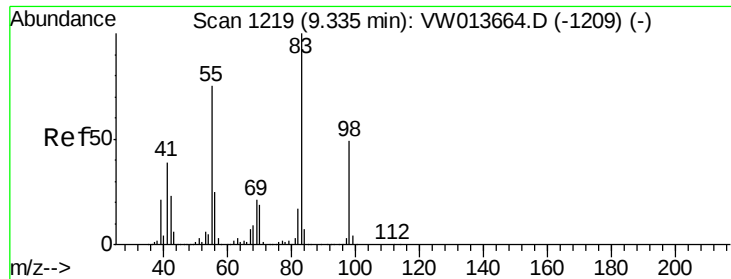
Tot Ion: 43 Resp: 37344
Ion Ratio Lower Upper
43 100
61 15.5 11.7 17.5
70 11.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 22.263 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion: 117 Resp: 84372
Ion Ratio Lower Upper
117 100
119 97.9 79.0 118.4
121 28.6 24.5 36.7

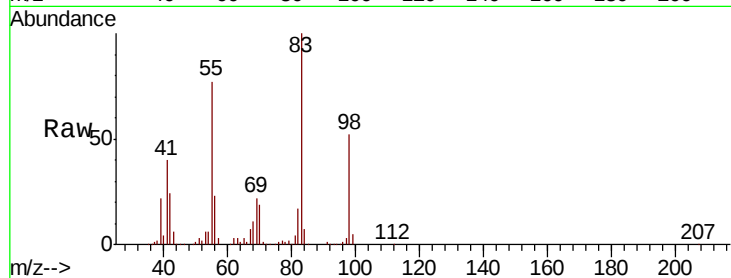




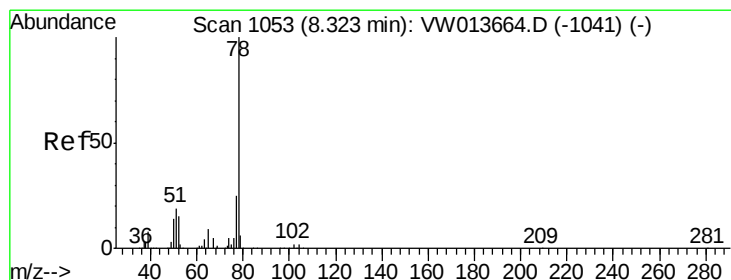
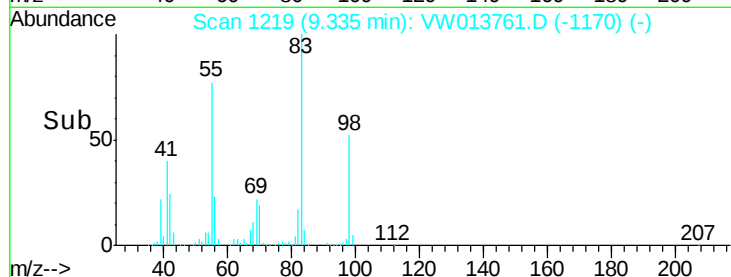
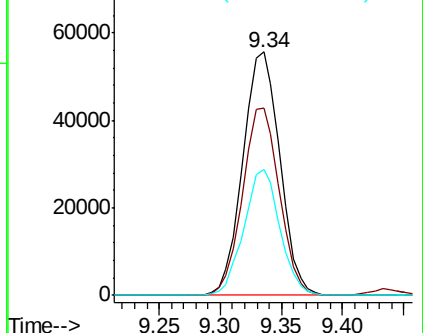
#39
Methvlcvclohexane
Concen: 21.564 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 117201
Ion Ratio Lower Upper
83 100
55 76.8 59.9 89.9
98 51.6 39.4 59.2

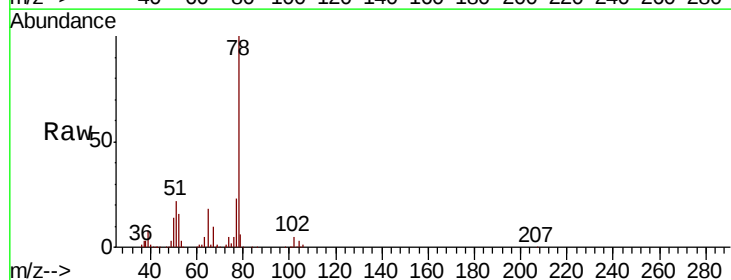


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

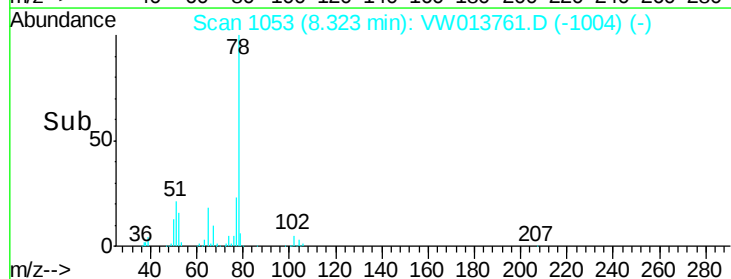
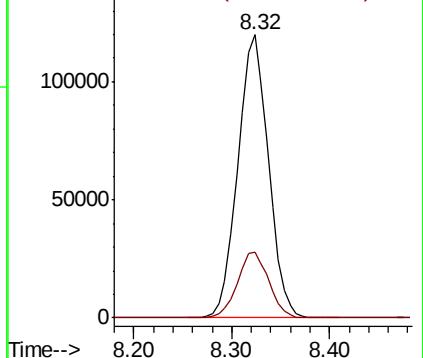


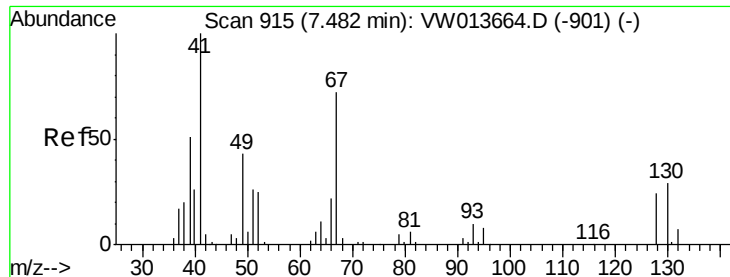
#40
Benzene
Concen: 21.860 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion: 78 Resp: 260357
Ion Ratio Lower Upper
78 100
77 23.0 19.6 29.4



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 23.452 ug/l

RT: 7.48 min Scan# 915

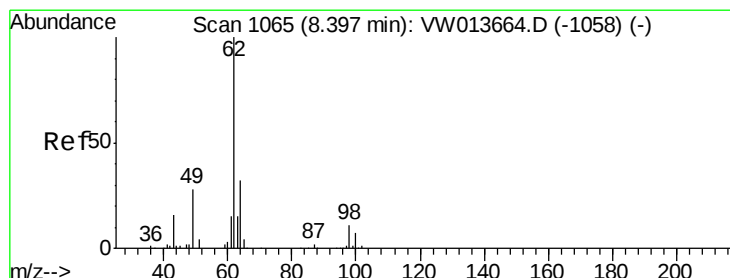
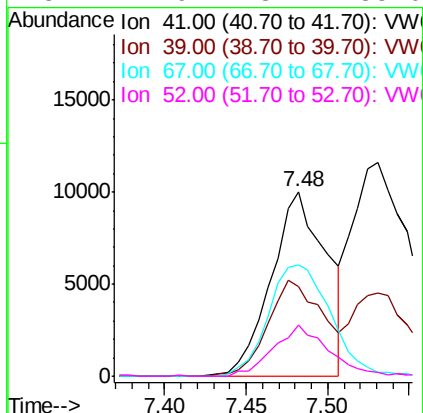
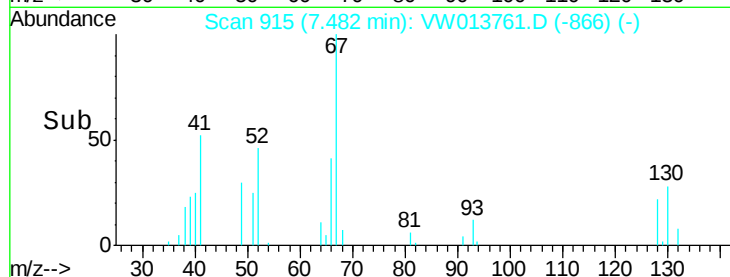
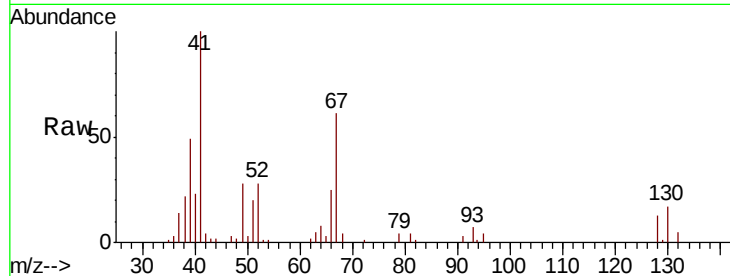
Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	23561
Ion	Ratio	Lower	Upper
41	100		
39	52.0	44.8	67.2
67	68.4	59.3	88.9
52	27.9	23.4	35.0



#42

1,2-Dichloroethane

Concen: 22.236 ug/l

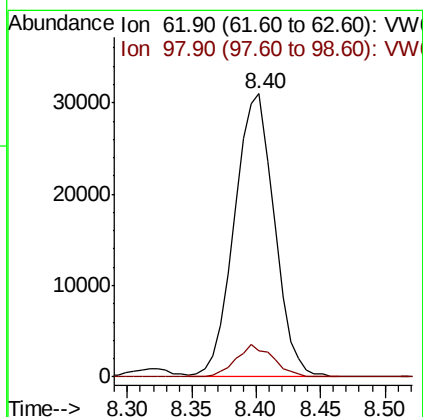
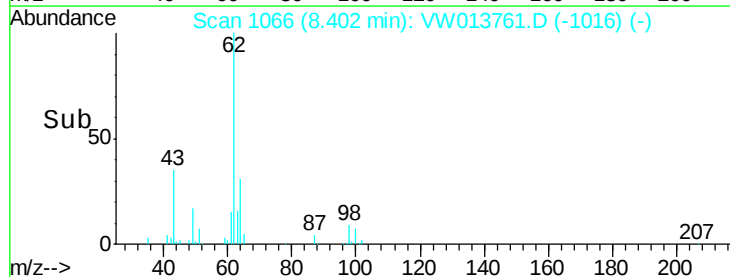
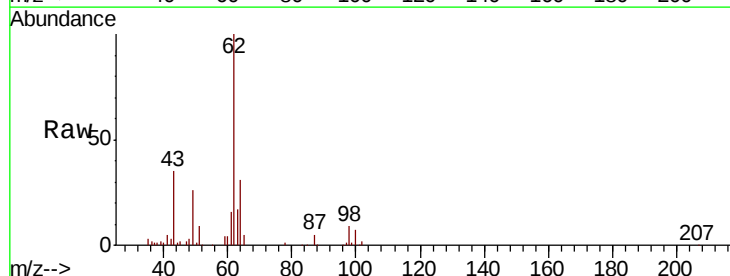
RT: 8.40 min Scan# 1066

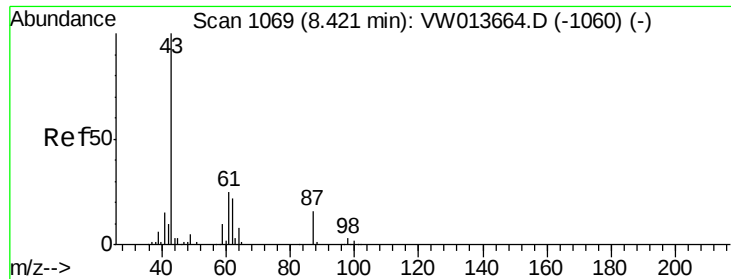
Delta R.T. 0.01 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Tgt Ion:	62	Resp:	66739
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	22.4

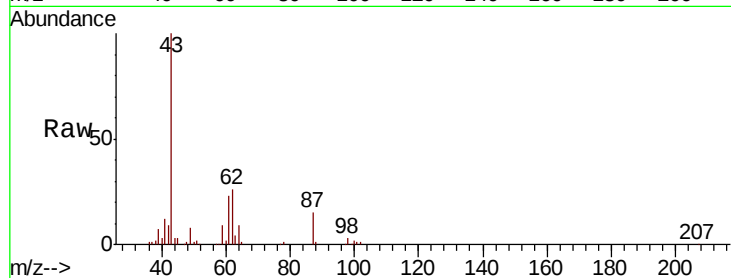




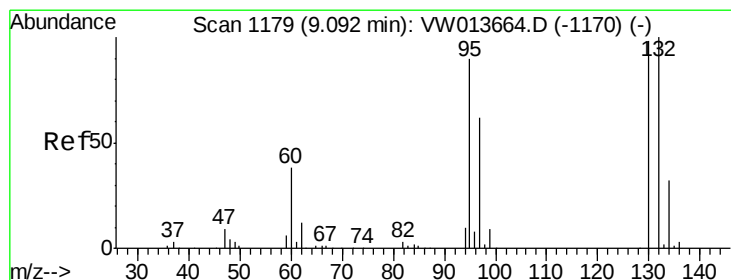
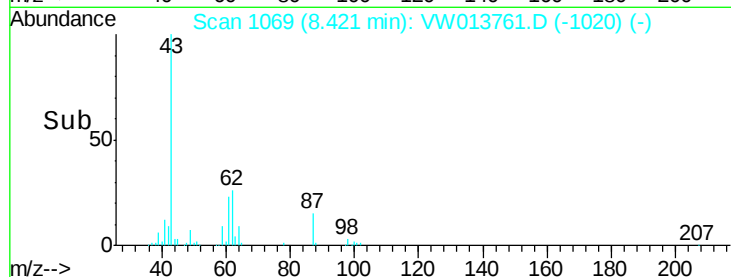
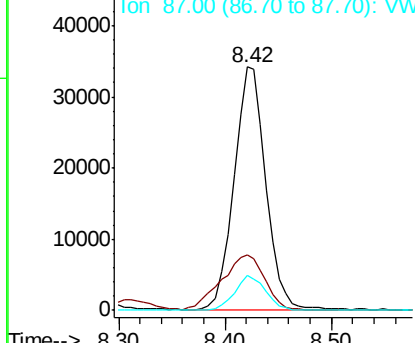
#43
Isopropyl Acetate
Concen: 23.270 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 71759
Ion Ratio Lower Upper
43 100
61 30.9 26.1 39.1
87 13.8 11.4 17.0

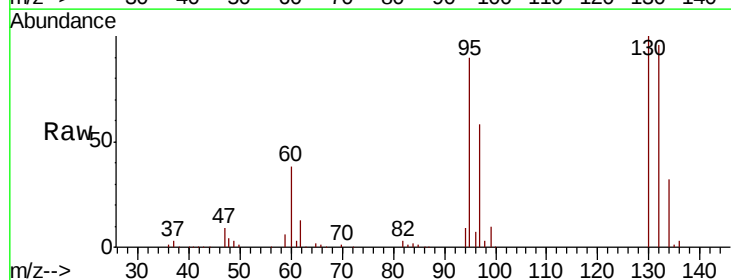


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW

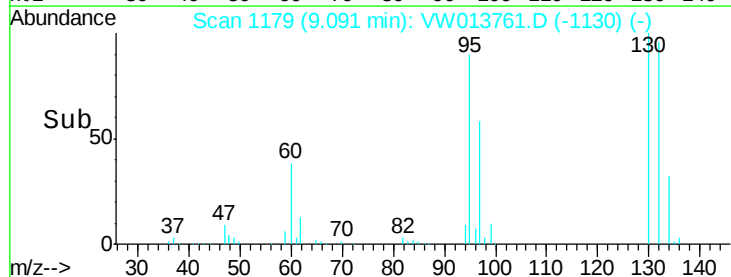
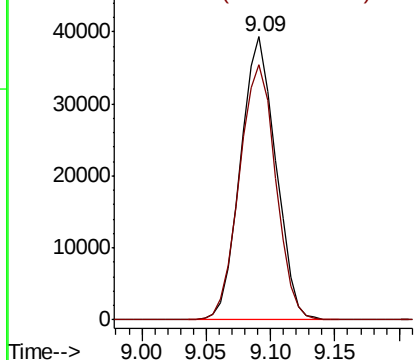


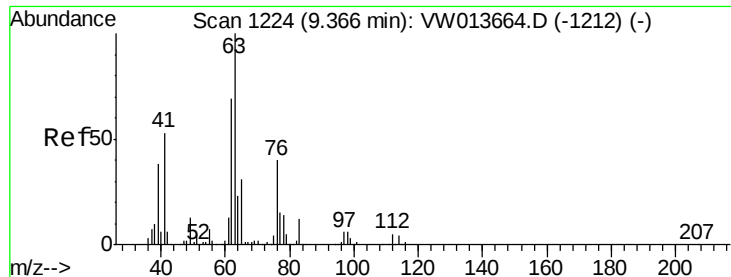
#44
Trichloroethene
Concen: 21.890 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion: 130 Resp: 74681
Ion Ratio Lower Upper
130 100
95 90.2 0.0 184.6



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





#45

1,2-Dichloropropane

Concen: 21.514 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

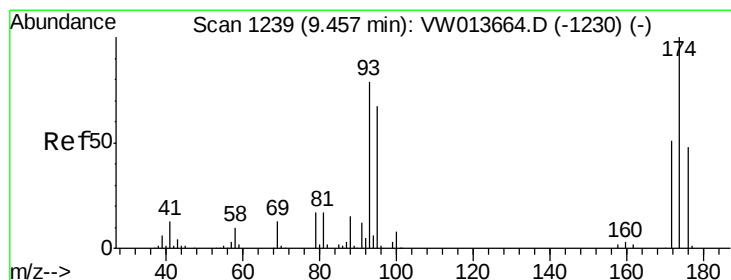
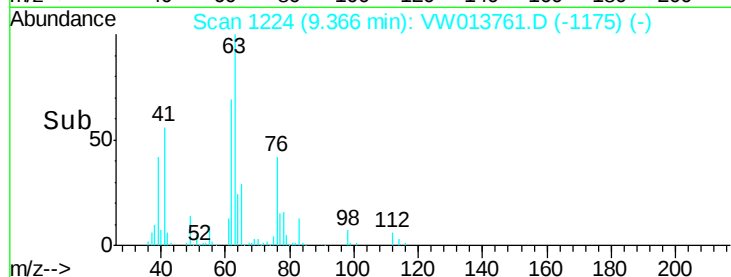
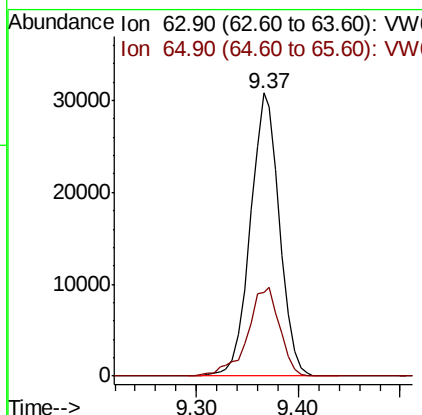
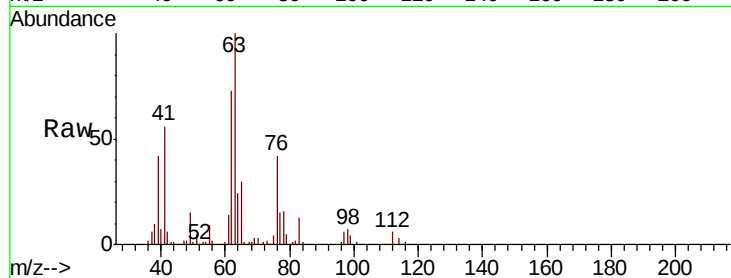
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 61205

Ion Ratio Lower Upper

63 100

65 29.7 25.2 37.8



#46

Dibromomethane

Concen: 22.277 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

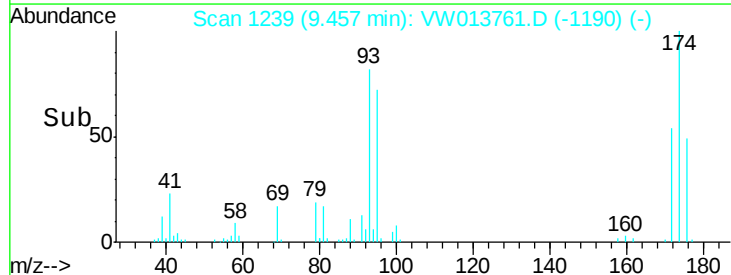
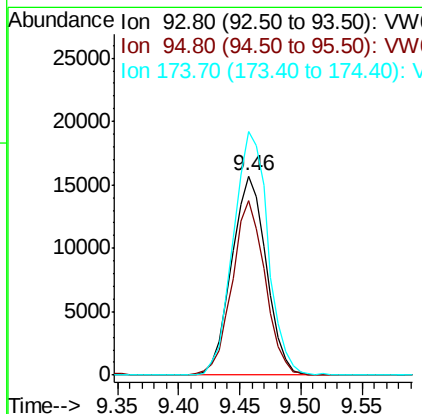
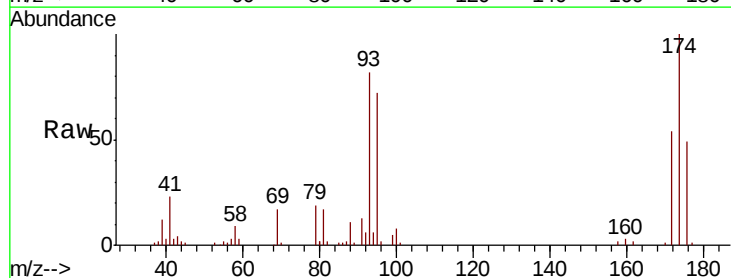
Tgt Ion: 93 Resp: 30760

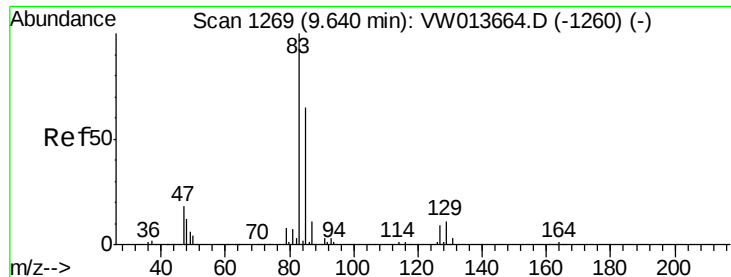
Ion Ratio Lower Upper

93 100

95 83.2 66.5 99.7

174 123.0 99.6 149.4





#47

Bromodichloromethane

Concen: 21.540 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampled :

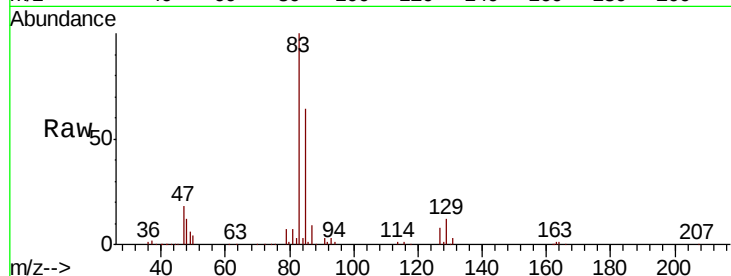
Tot Ion: 83 Resp: 76954

Ion Ratio Lower Upper

83 100

85 63.8 51.8 77.6

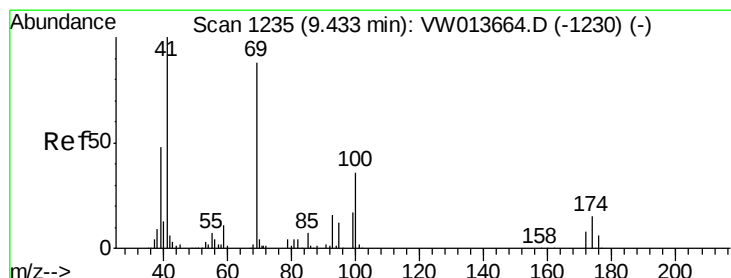
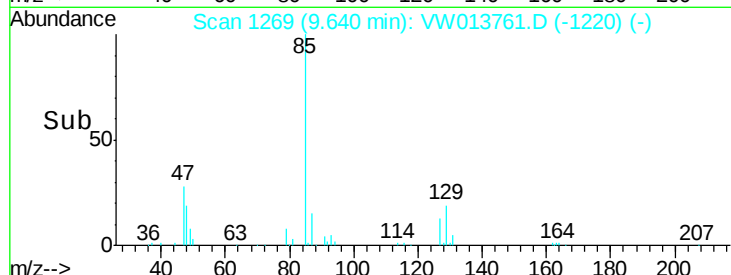
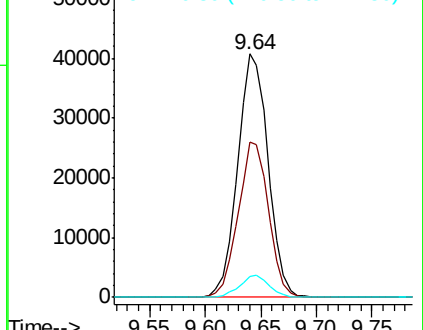
127 8.5 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 23.646 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

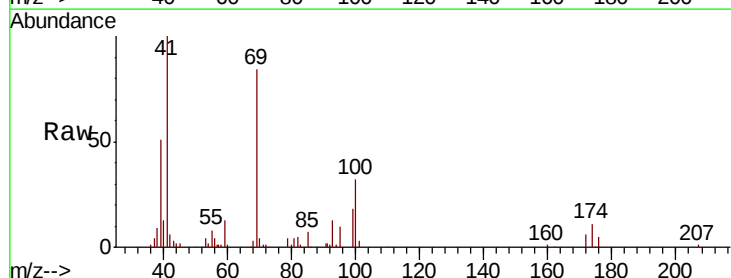
Tgt Ion: 41 Resp: 36160

Ion Ratio Lower Upper

41 100

69 83.1 67.6 101.4

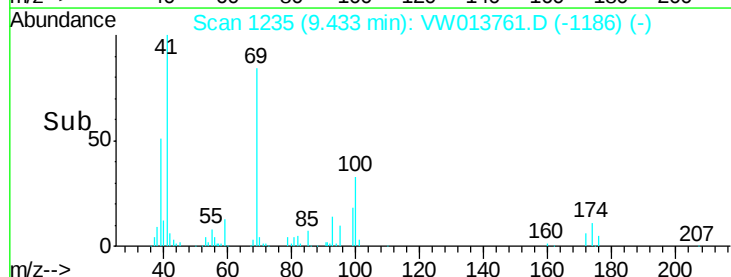
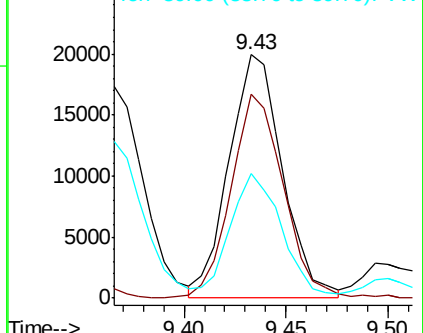
39 46.2 38.6 58.0

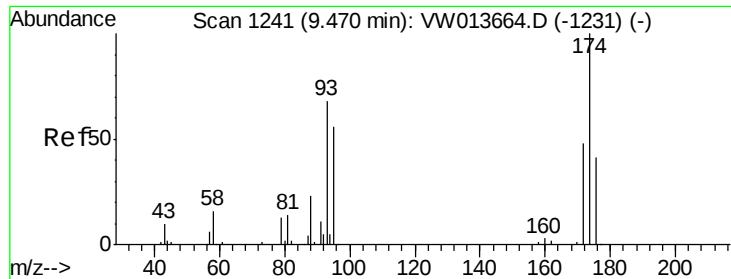


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

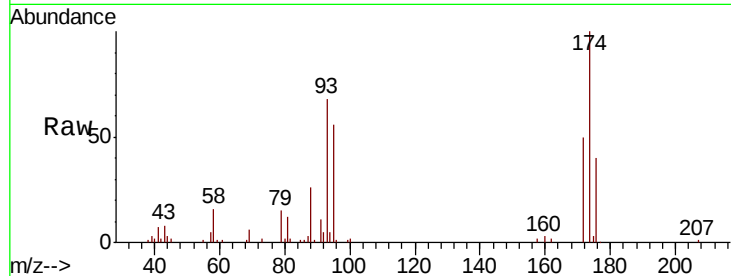




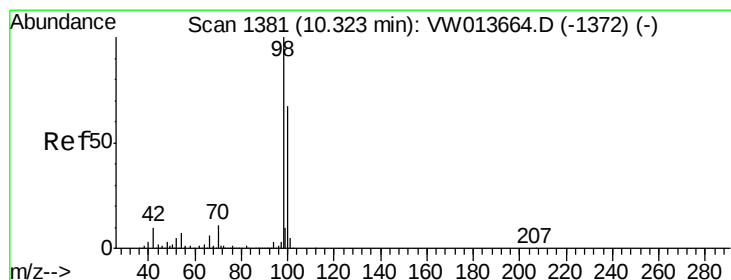
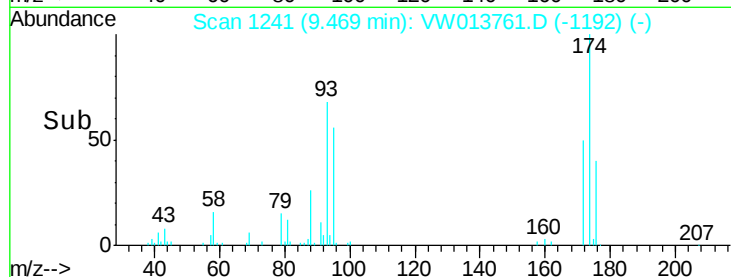
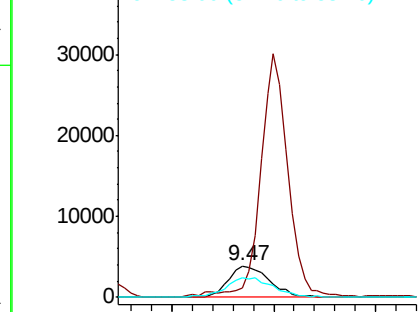
#49
1,4-Dioxane
Concen: 525.100 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 10714
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 72.7 58.9 88.3

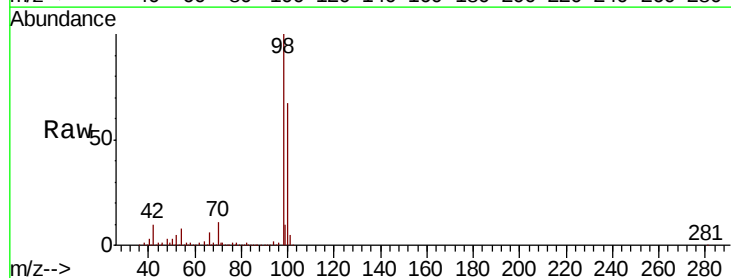


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

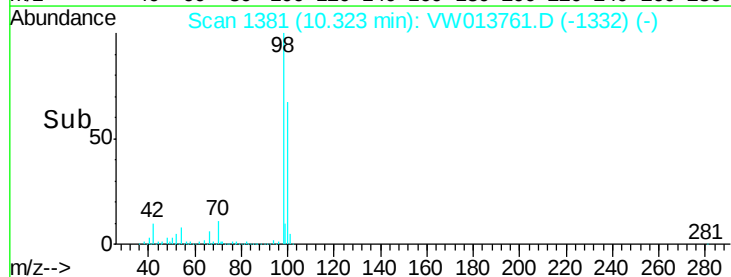
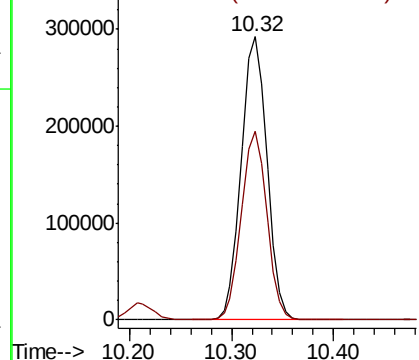


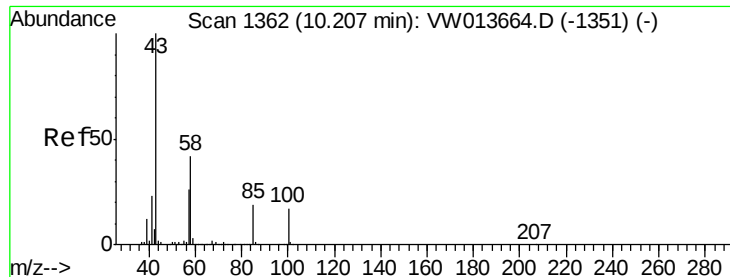
#50
Toluene-d8
Concen: 49.952 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion: 98 Resp: 511100
Ion Ratio Lower Upper
98 100
100 66.1 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: 116.964 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

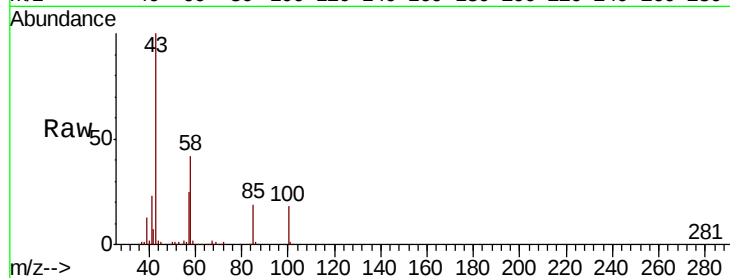
ClientSampled :

Tot Ion: 43 Resp: 179233

Ion Ratio Lower Upper

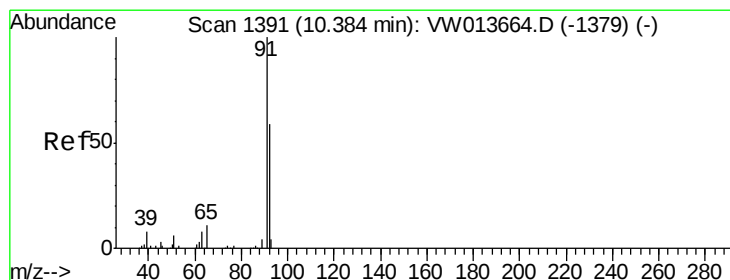
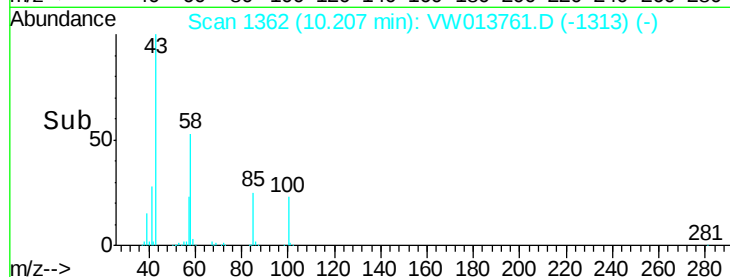
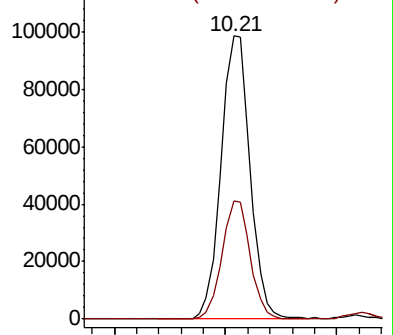
43 100

58 40.6 32.6 49.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.799 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013761.D

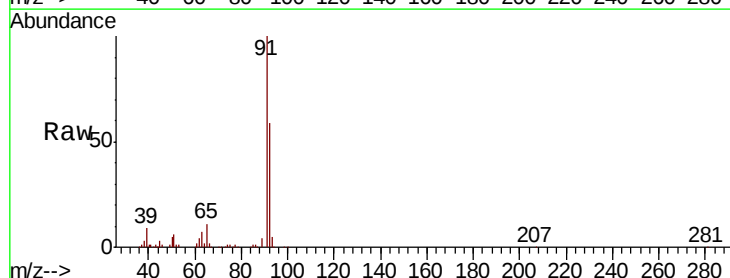
Acq: 28 Oct 2019 12:55

Tgt Ion: 92 Resp: 167477

Ion Ratio Lower Upper

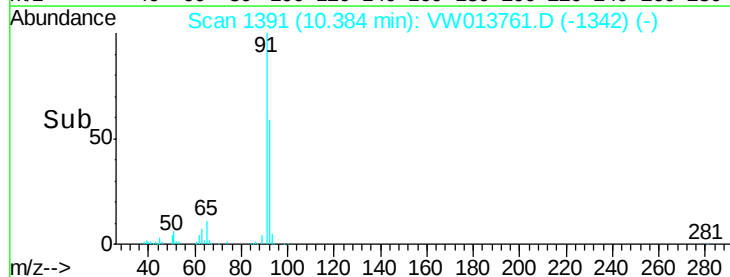
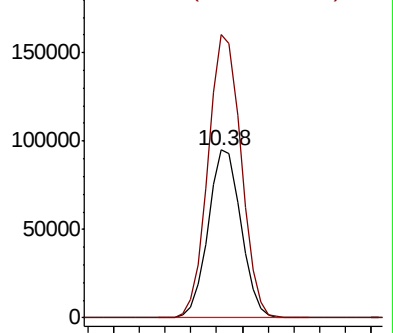
92 100

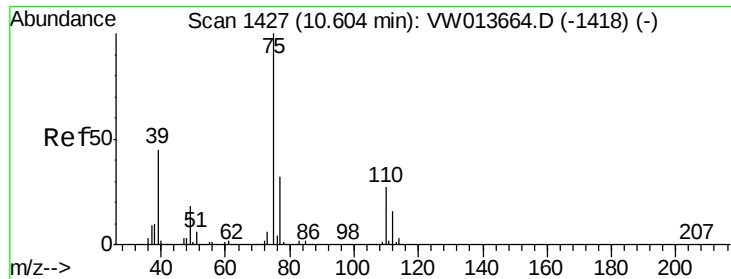
91 169.7 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 22.134 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

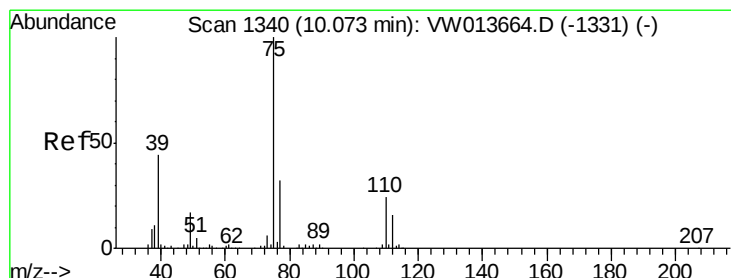
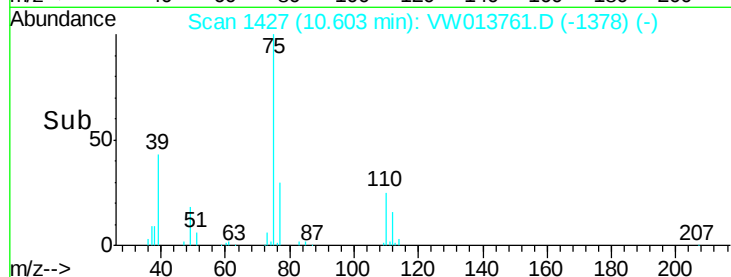
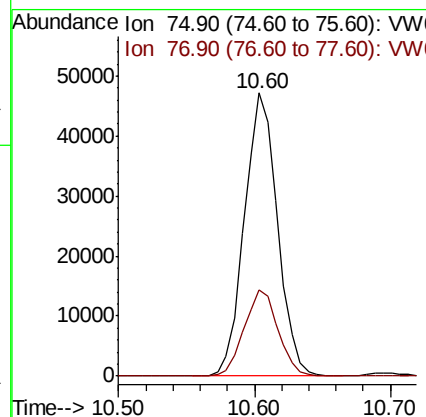
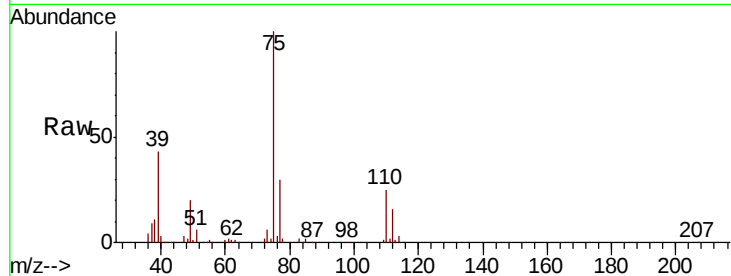
ClientSampled :

Tot Ion: 75 Resp: 80053

Ion Ratio Lower Upper

75 100

77 30.3 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 21.745 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

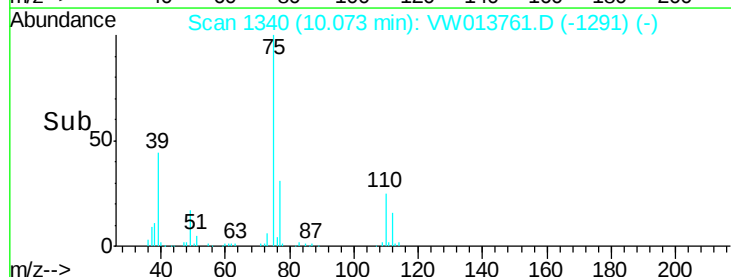
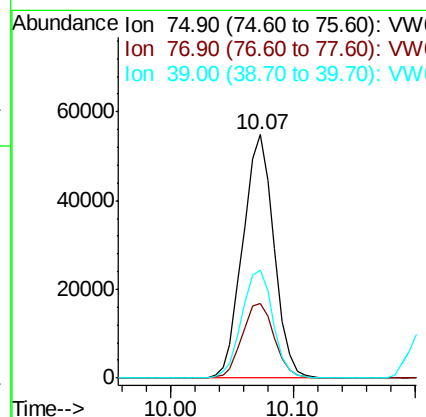
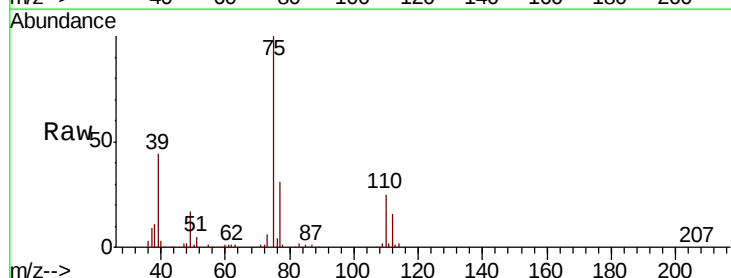
Tgt Ion: 75 Resp: 97030

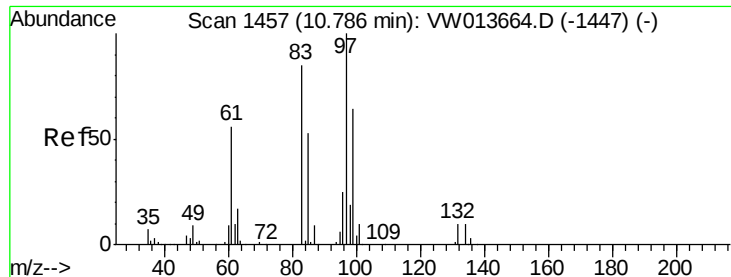
Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.6

39 44.3 35.3 52.9

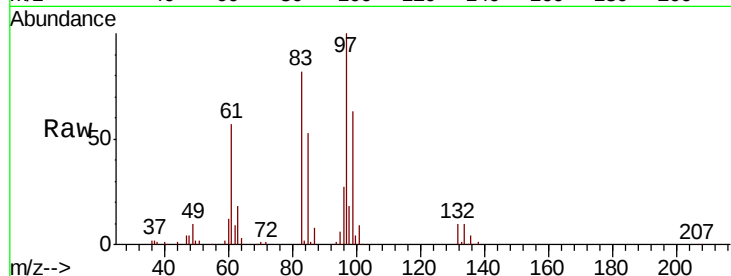




#55
 1,1,2-Trichloroethane
 Concen: 22.573 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	97	Resp	46452
Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.8	101.8
85	53.5	42.1	63.1
99	63.3	51.4	77.0



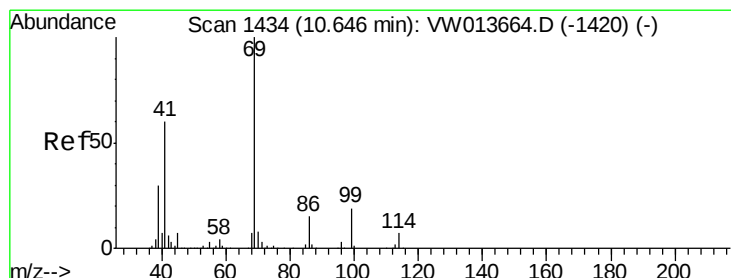
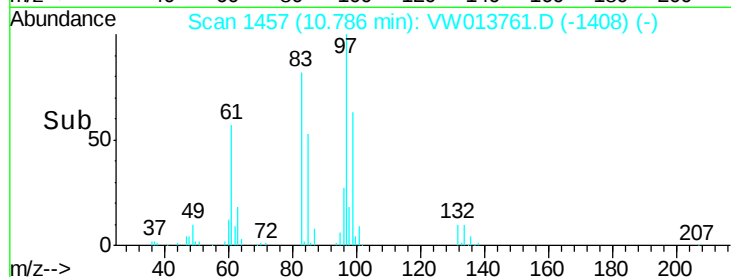
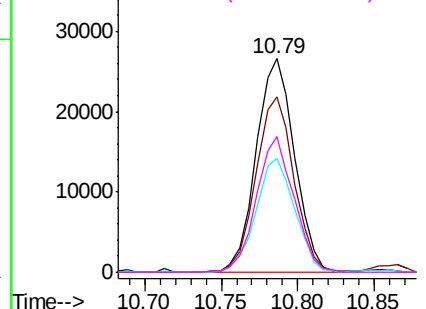
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

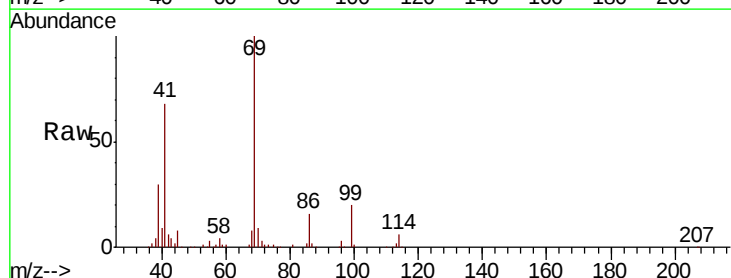
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 22.343 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion	69	Resp	57523
Ion	Ratio	Lower	Upper
69	100		
41	67.5	51.6	77.4
39	28.3	22.4	33.6

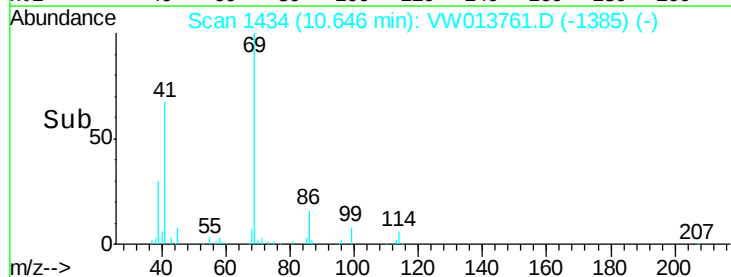
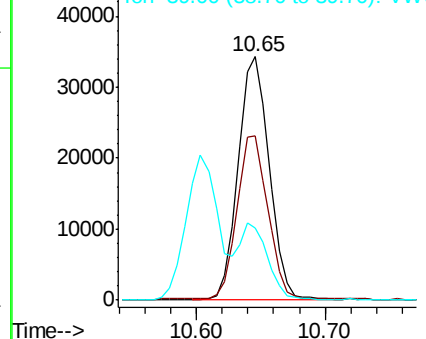


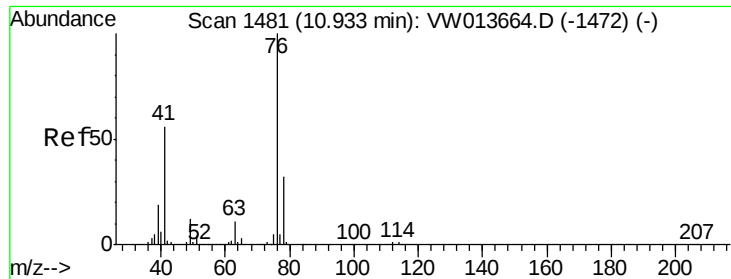
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

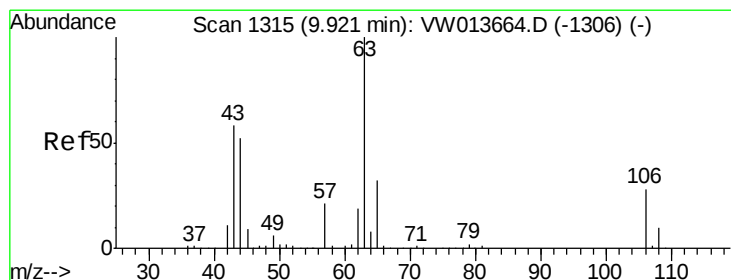
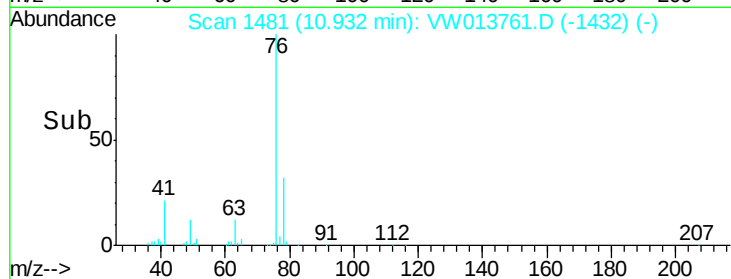
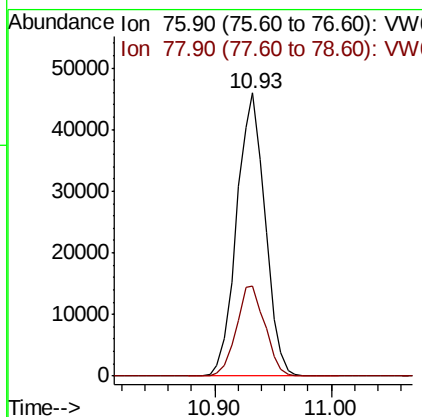
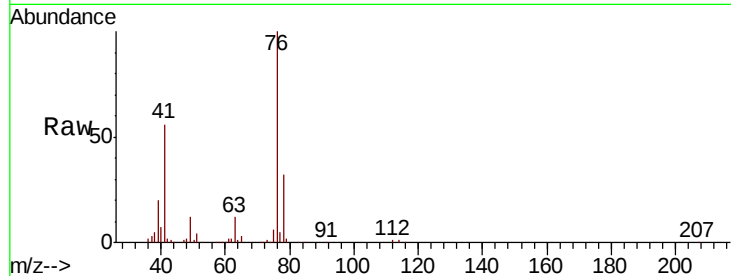




#57
 1,3-Dichloropropane
 Concen: 22.125 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

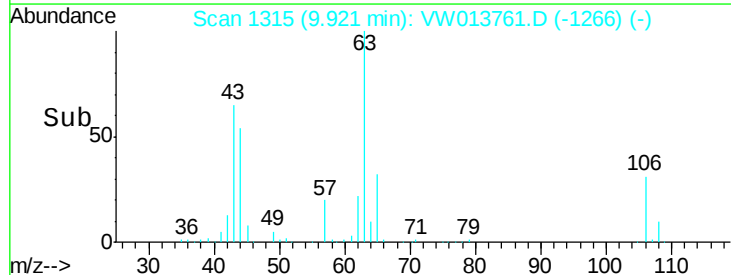
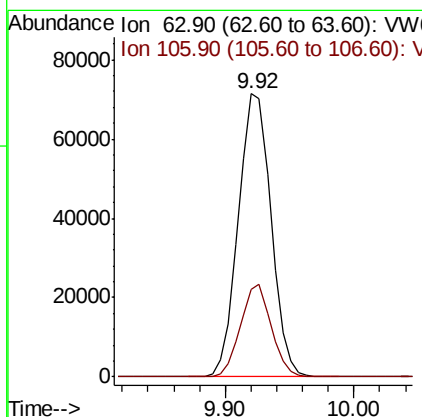
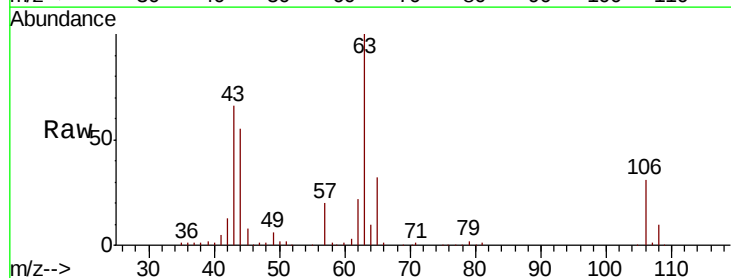
Instrument :
 MSVOA_W
 ClientSampled :

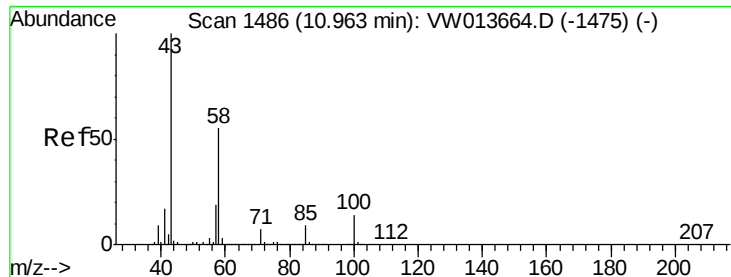
Tot Ion: 76 Resp: 78131
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.301 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion: 63 Resp: 125959
 Ion Ratio Lower Upper
 63 100
 106 30.6 23.8 35.8

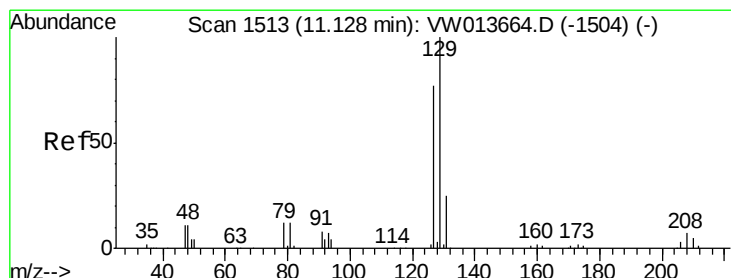
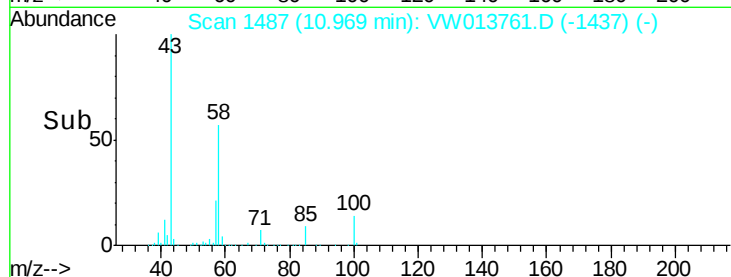
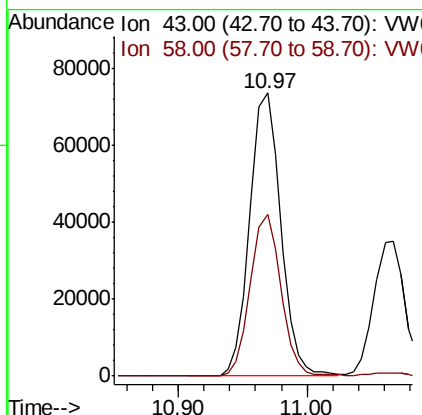
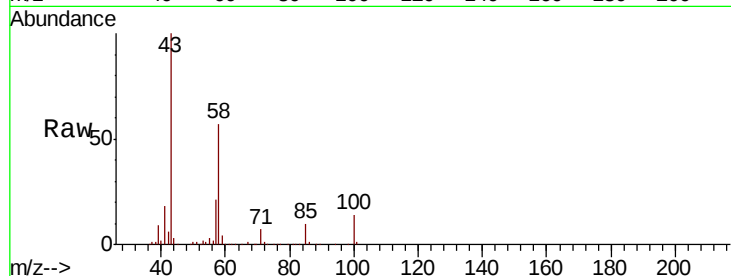




#59
2-Hexanone
Concen: 116.214 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

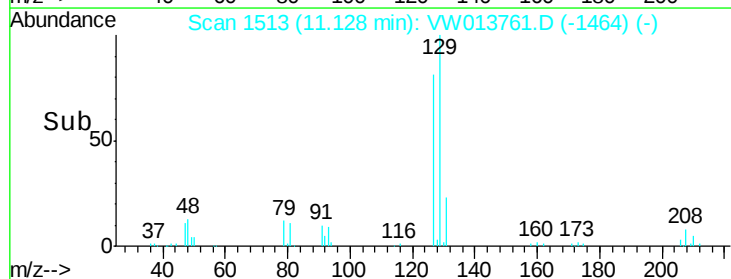
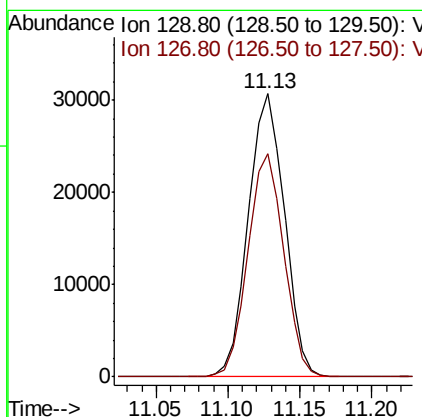
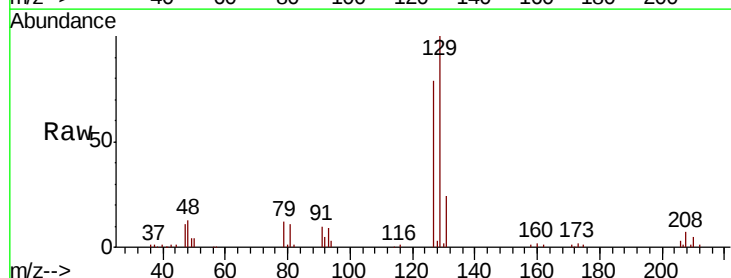
Instrument :
MSVOA_W
ClientSampleId :

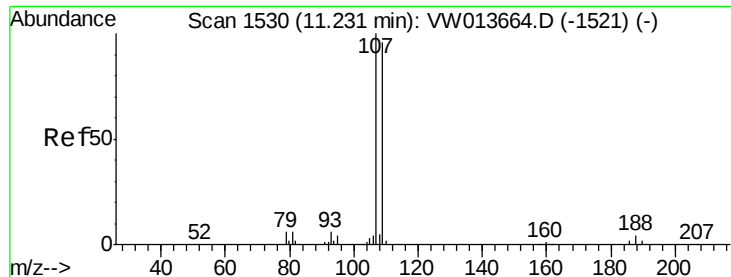
Tot Ion: 43 Resp: 122770
Ion Ratio Lower Upper
43 100
58 56.3 27.9 83.7



#60
Dibromochloromethane
Concen: 21.825 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion: 129 Resp: 53324
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7

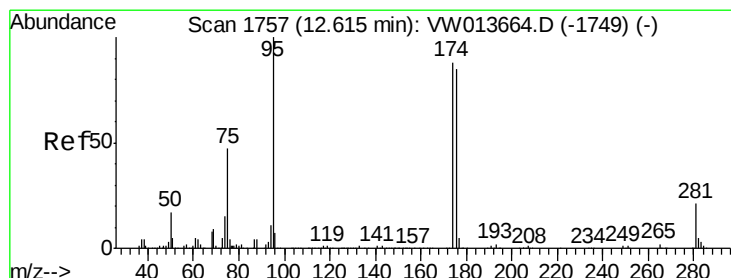
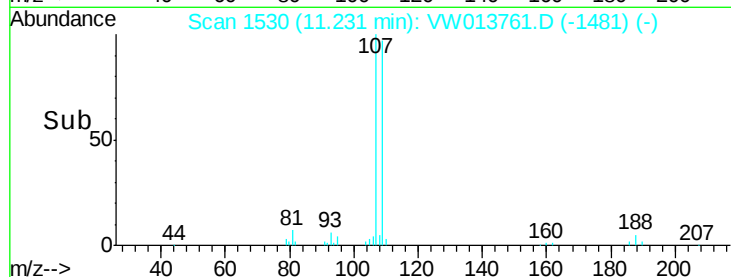
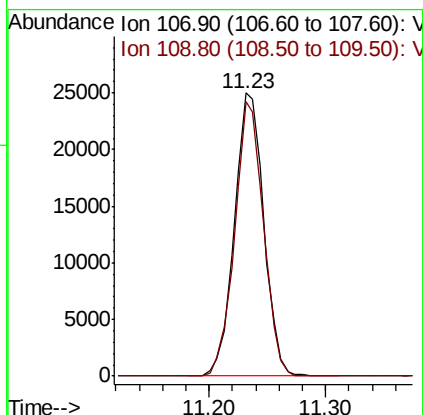
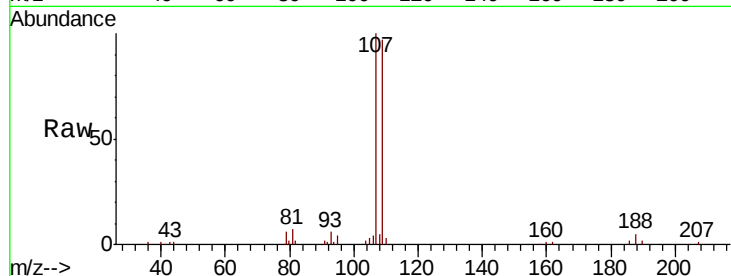




#61
 1,2-Dibromoethane
 Concen: 22.563 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

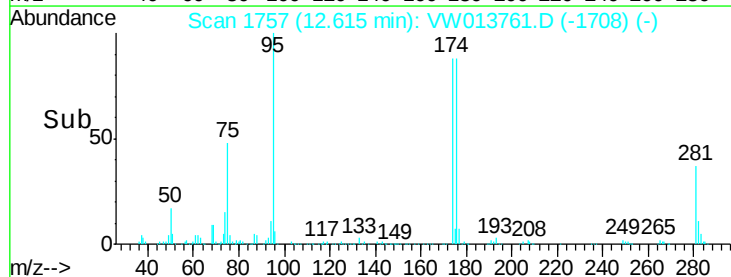
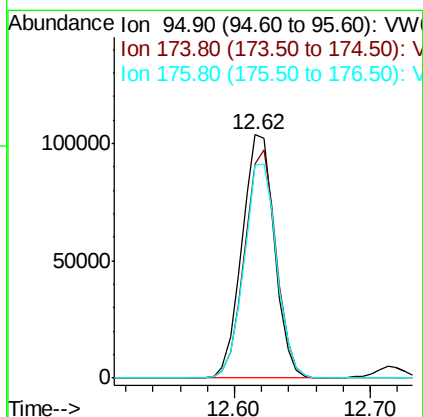
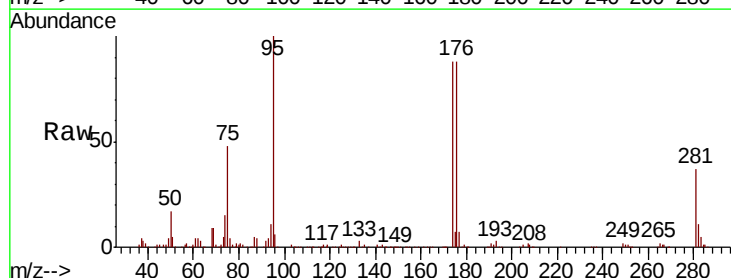
Instrument :
 MSVOA_W
 ClientSampled :

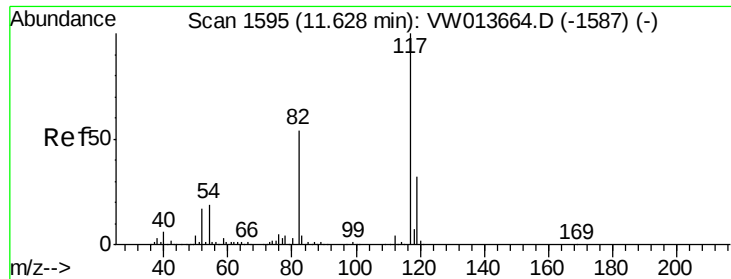
Tot Ion:107 Resp: 43927
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 50.124 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion: 95 Resp: 173653
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 183.6
 176 88.3 0.0 178.0

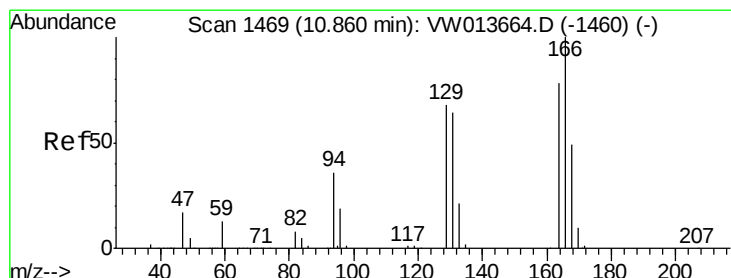
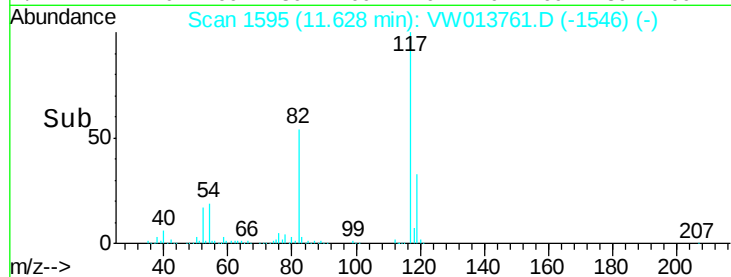
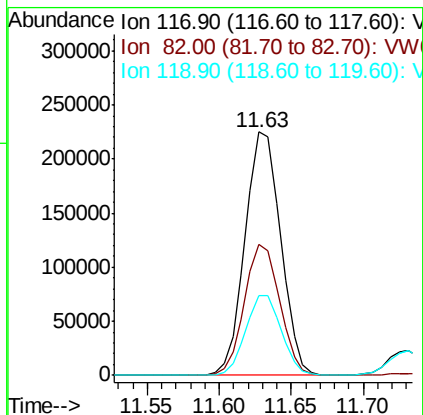
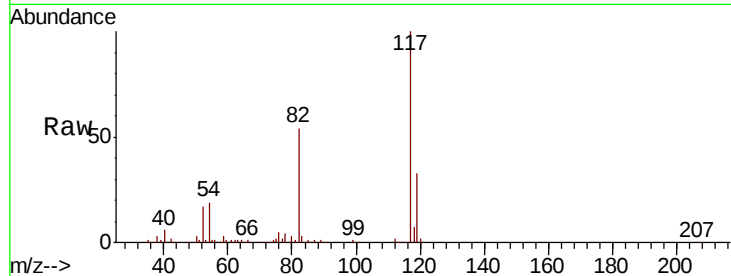




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

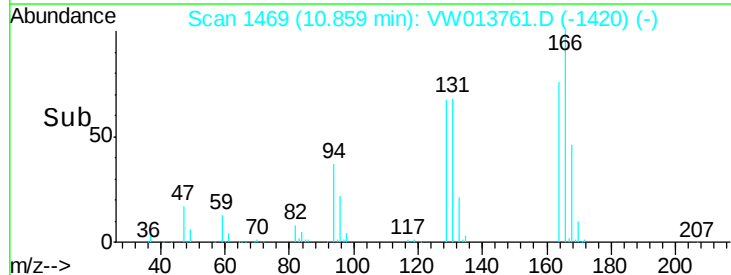
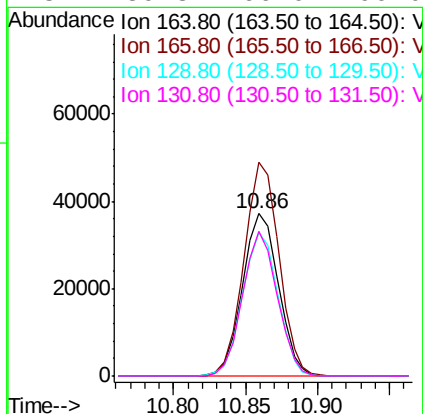
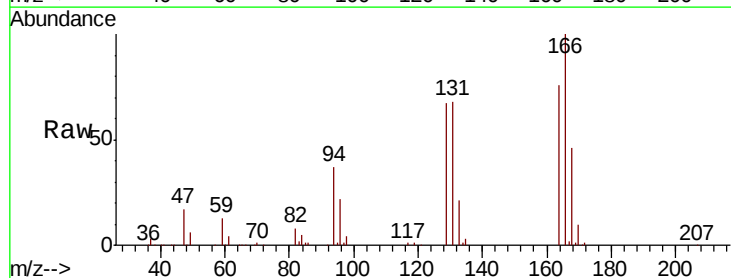
Instrument :
MSVOA_W
ClientSampleId :

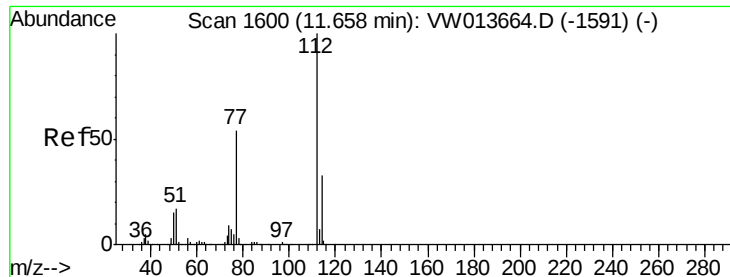
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.6	65.4
119	32.6	25.4	38.2



#64
Tetrachloroethene
Concen: 21.848 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	103.2	154.8
129	88.6	70.6	105.8
131	89.3	66.0	99.0

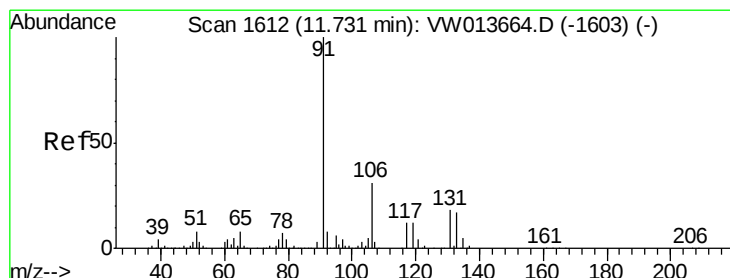
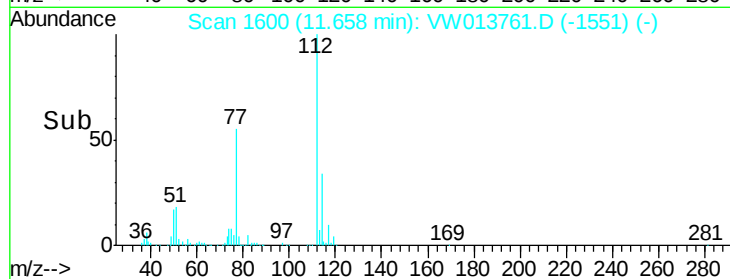
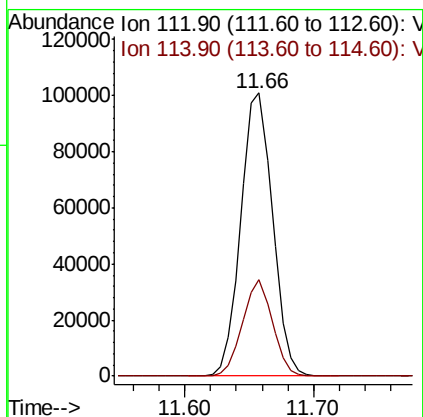
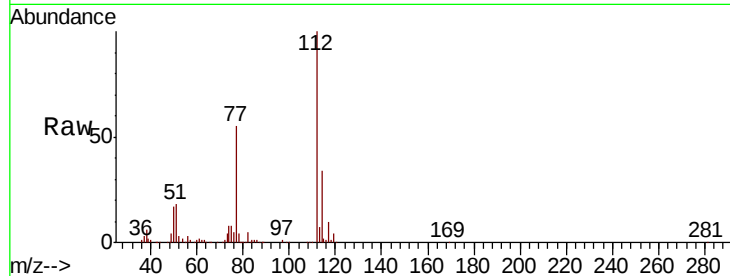




#65
Chlorobenzene
Concen: 21.738 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

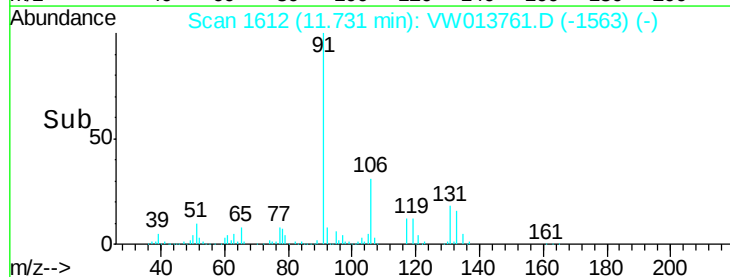
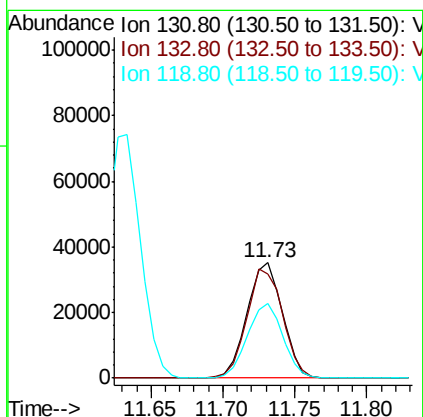
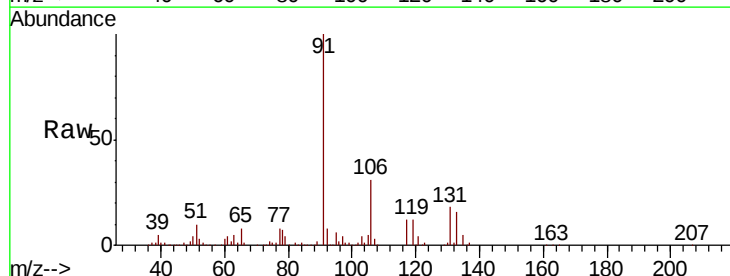
Instrument :
MSVOA_W
ClientSampleId :

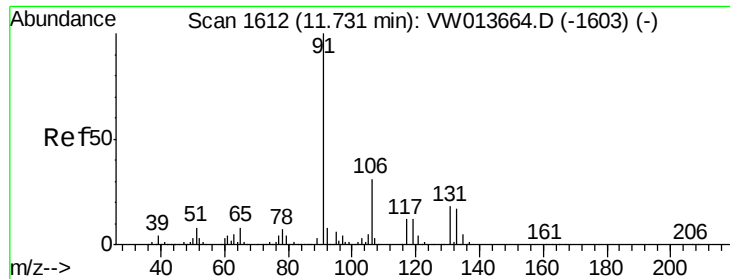
Tot Ion:112 Resp: 172188
Ion Ratio Lower Upper
112 100
114 34.0 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.614 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion:131 Resp: 59751
Ion Ratio Lower Upper
131 100
133 95.9 47.4 142.3
119 65.3 33.1 99.2





#67

Ethyl Benzene

Concen: 22.082 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

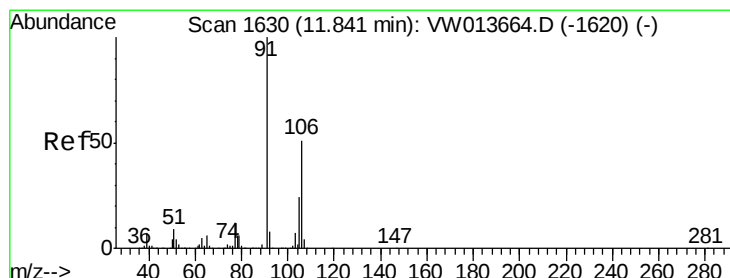
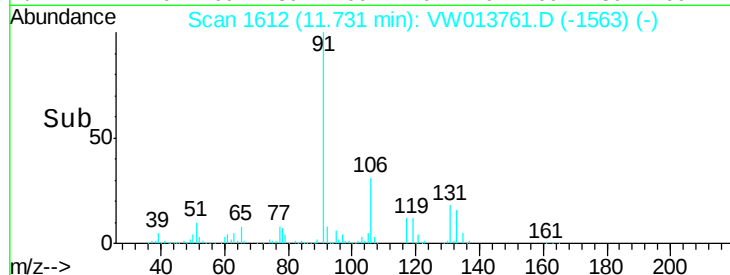
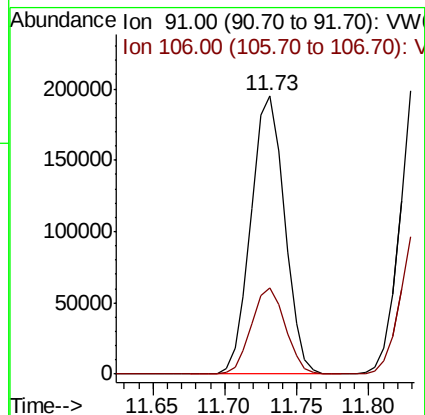
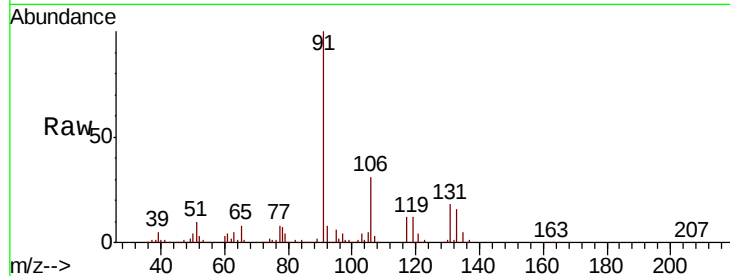
ClientSampleId :

Tot Ion: 91 Resp: 315401

Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.6



#68

m/p-Xylenes

Concen: 44.024 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013761.D

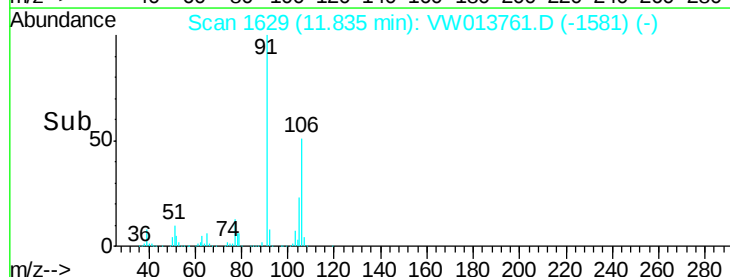
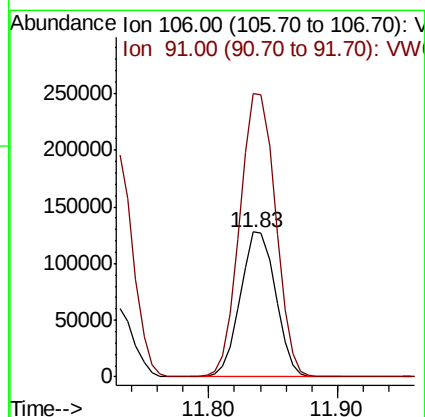
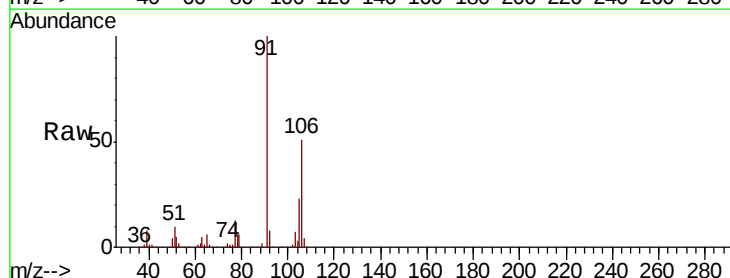
Acq: 28 Oct 2019 12:55

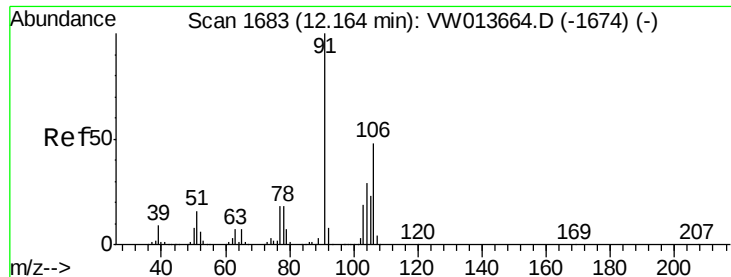
Tgt Ion: 106 Resp: 242941

Ion Ratio Lower Upper

106 100

91 197.8 159.2 238.8

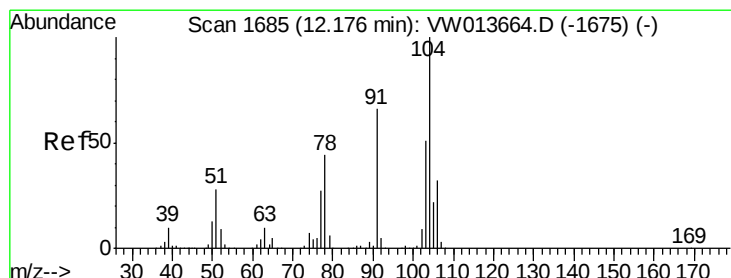
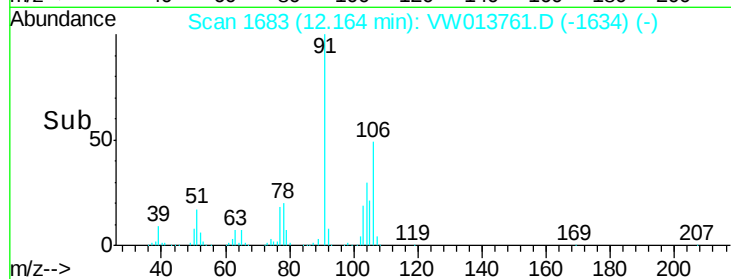
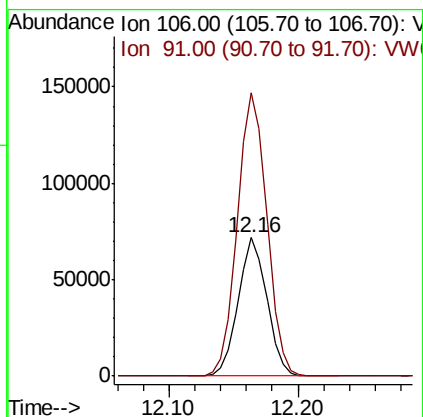
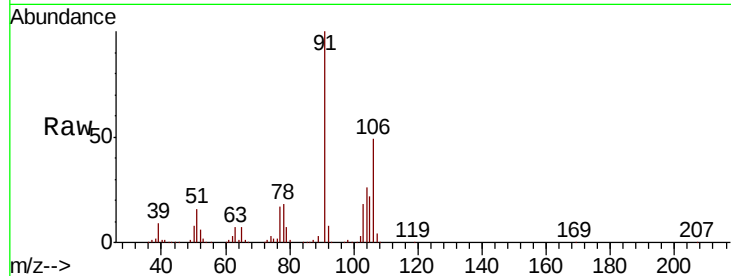




#69
o-Xylene
Concen: 21.843 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

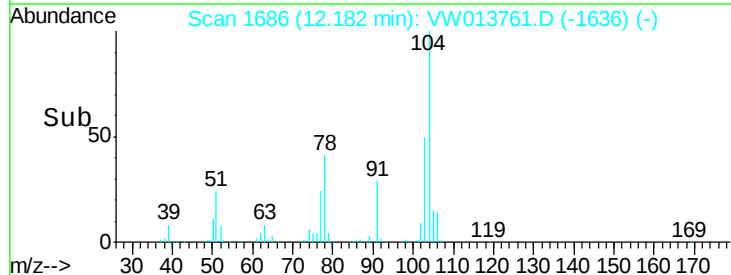
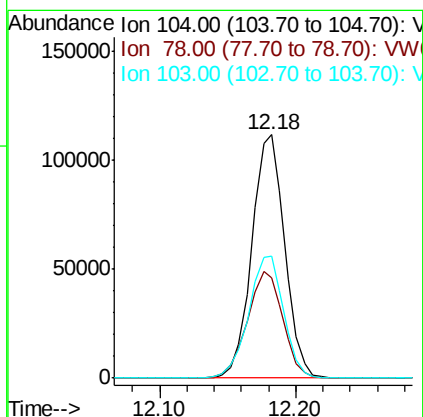
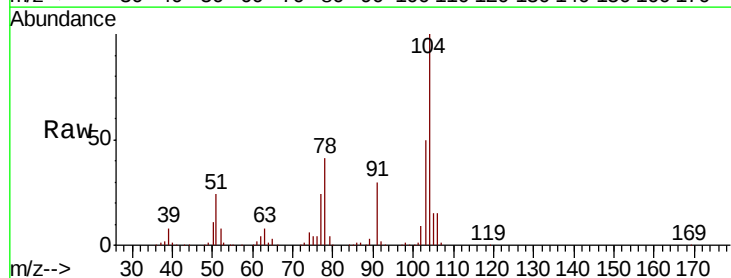
Instrument :
MSVOA_W
ClientSampleId :

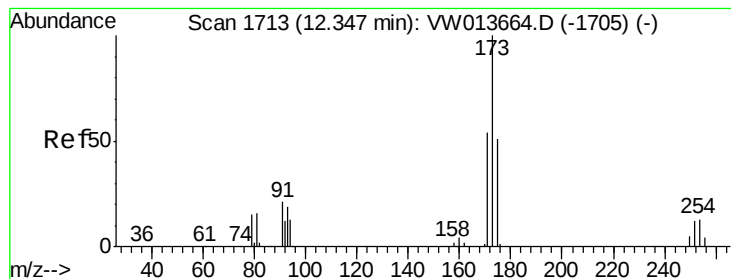
Tot Ion:106 Resp: 110793
Ion Ratio Lower Upper
106 100
91 210.3 104.9 314.7



#70
Styrene
Concen: 21.748 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion:104 Resp: 189533
Ion Ratio Lower Upper
104 100
78 47.4 37.1 55.7
103 53.7 43.6 65.4





#71

Bromoform

Concen: 22.719 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

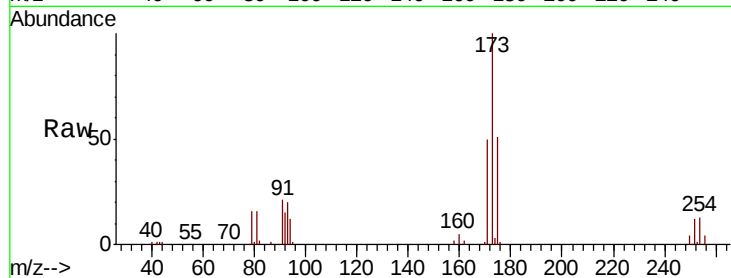
Tot Ion:173 Resp: 32960

Ion Ratio Lower Upper

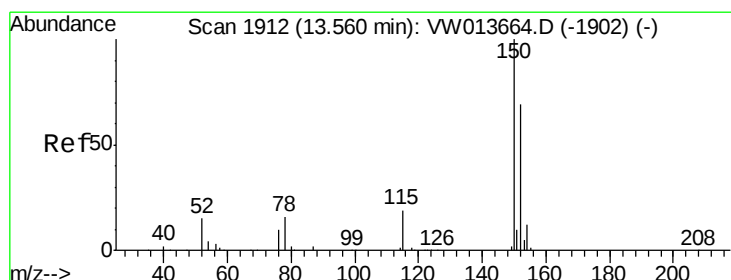
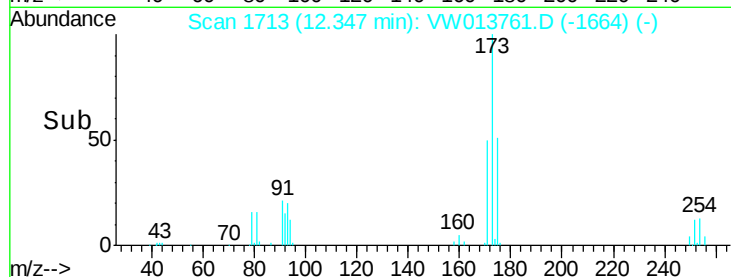
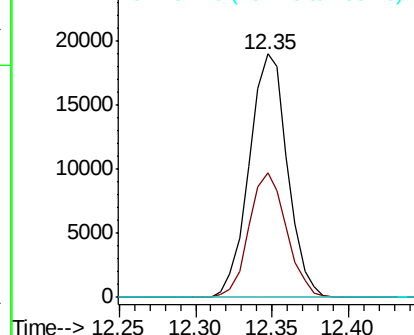
173 100

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: VW013761.D

Acq: 28 Oct 2019 12:55

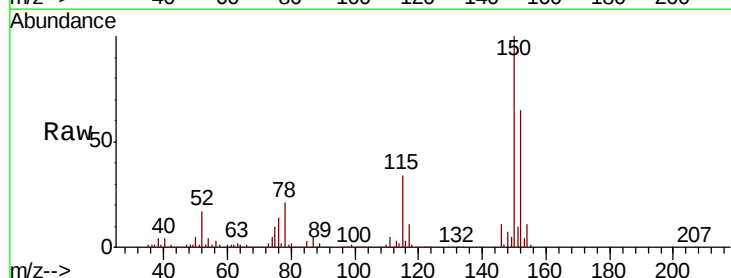
Tgt Ion:152 Resp: 199074

Ion Ratio Lower Upper

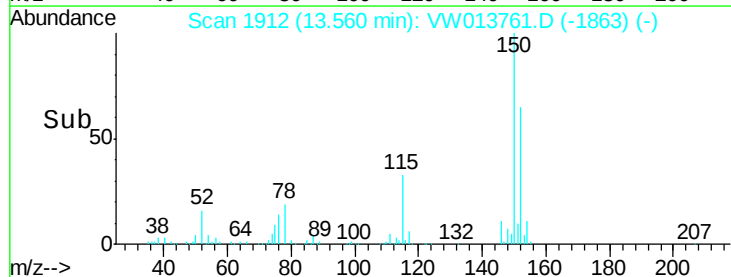
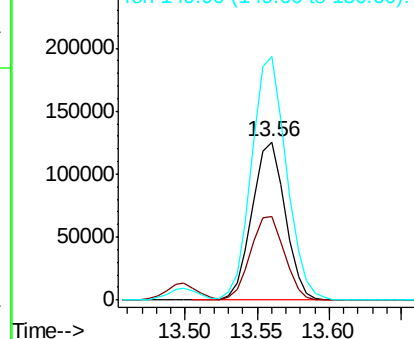
152 100

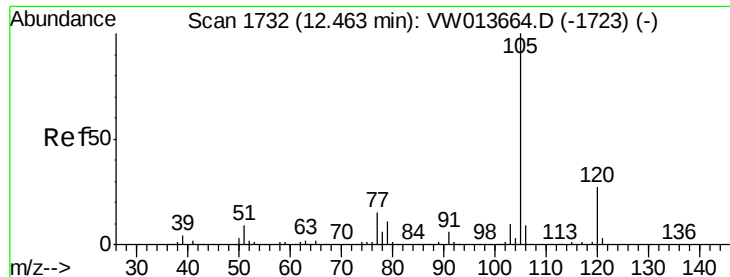
115 54.2 27.4 82.2

150 162.1 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: 21.416 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

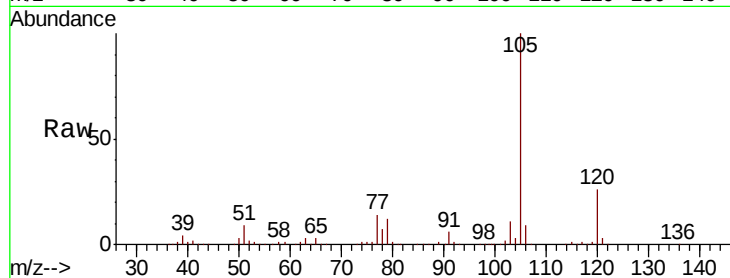
ClientSampleId :

Tot Ion:105 Resp: 306171

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

200000

150000

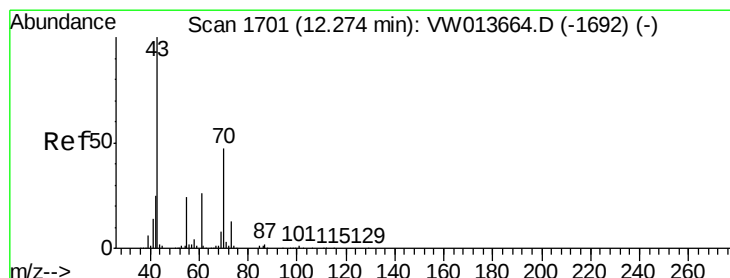
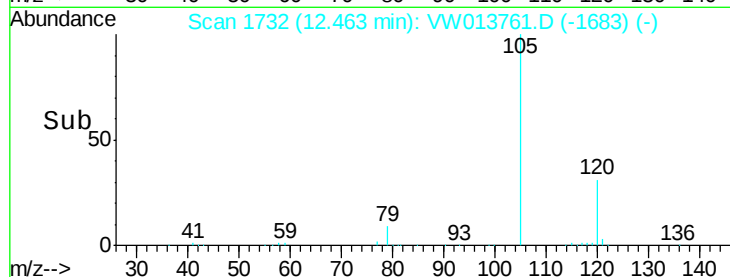
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 22.719 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Tgt Ion: 43 Resp: 62829

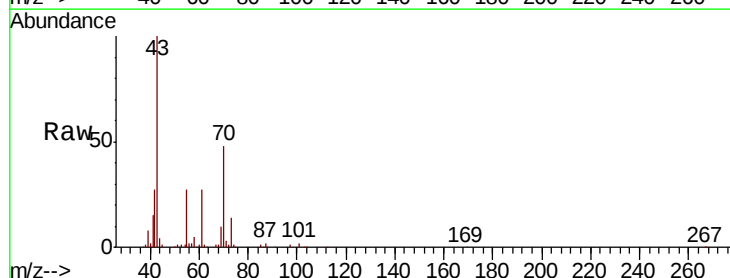
Ion Ratio Lower Upper

43 100

70 45.7 36.6 55.0

55 25.8 20.3 30.5

61 24.6 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

60000

50000

40000

30000

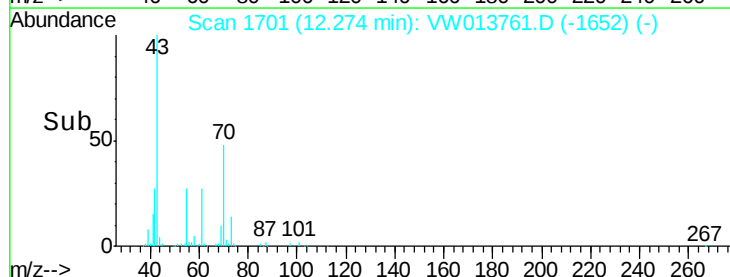
20000

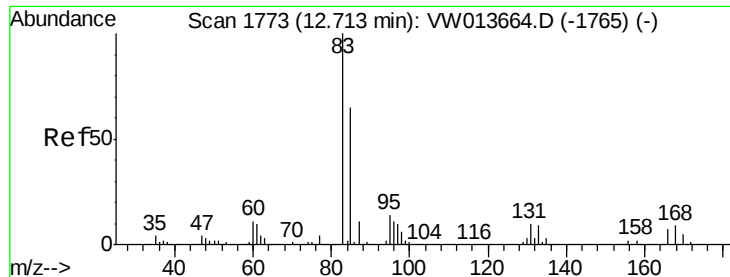
10000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 22.740 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

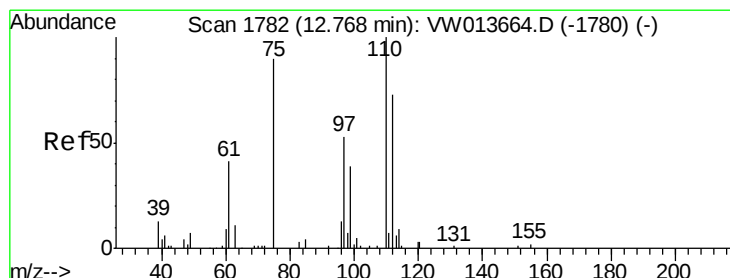
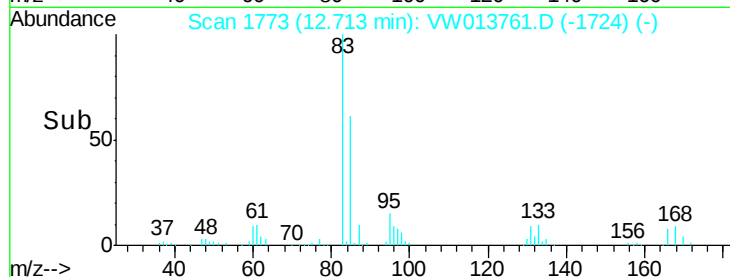
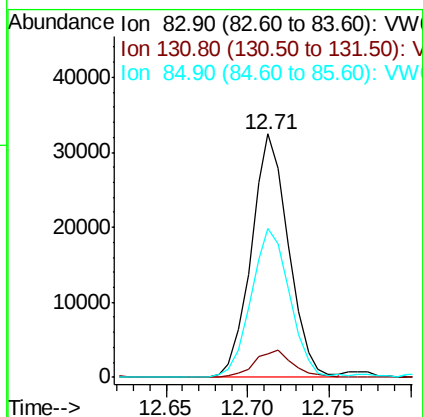
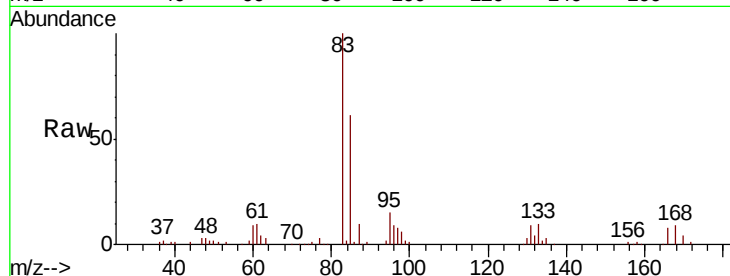
Tot Ion: 83 Resp: 51301

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.1

85 63.4 32.5 97.4



#76

1,2,3-Trichloropropane

Concen: 45.930 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013761.D

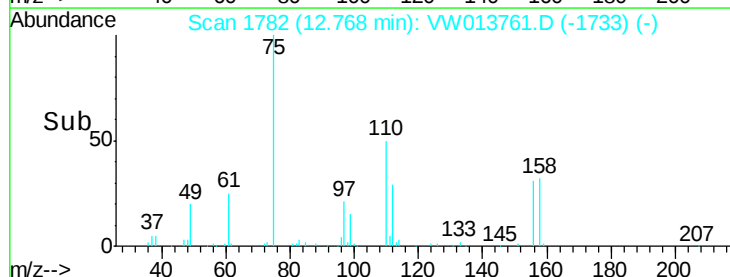
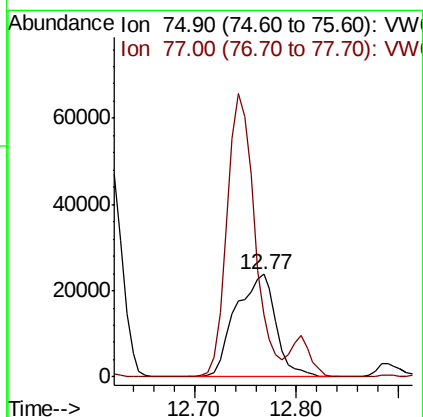
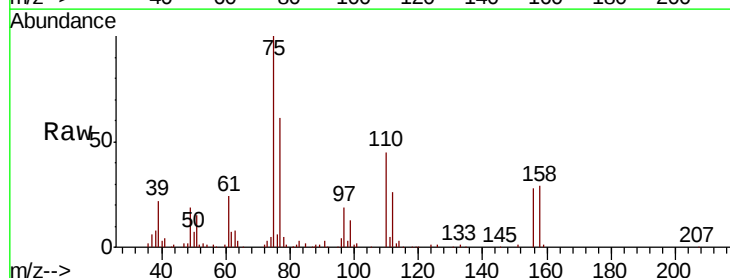
Acq: 28 Oct 2019 12:55

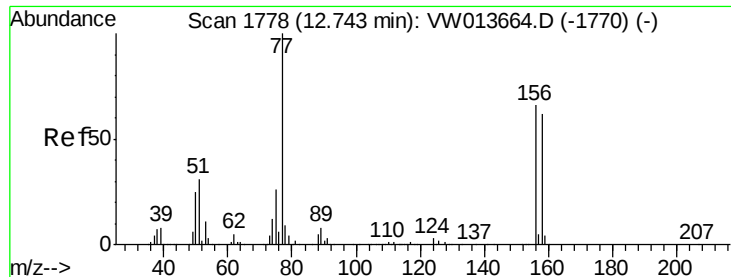
Tgt Ion: 75 Resp: 65663

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.501 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

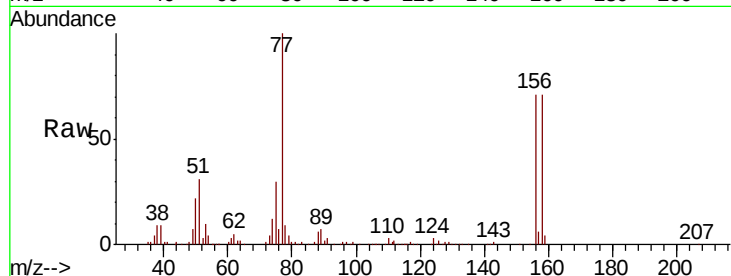
Tot Ion:156 Resp: 73428

Ion Ratio Lower Upper

156 100

77 168.6 82.9 248.7

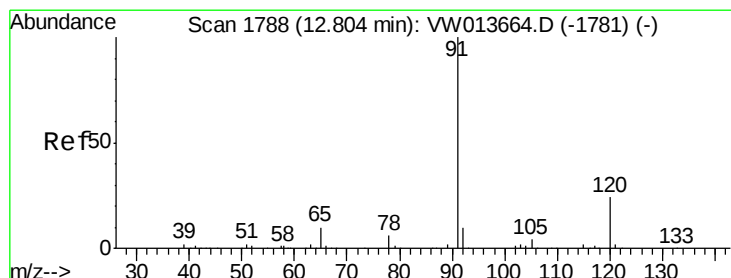
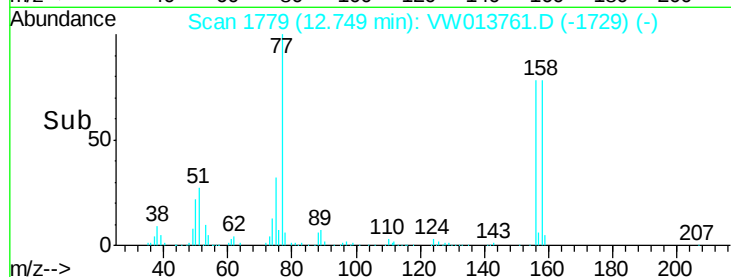
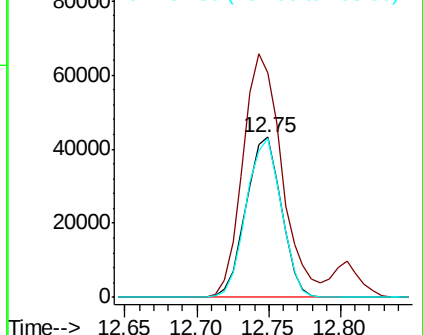
158 98.1 48.4 145.2



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: 21.600 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013761.D

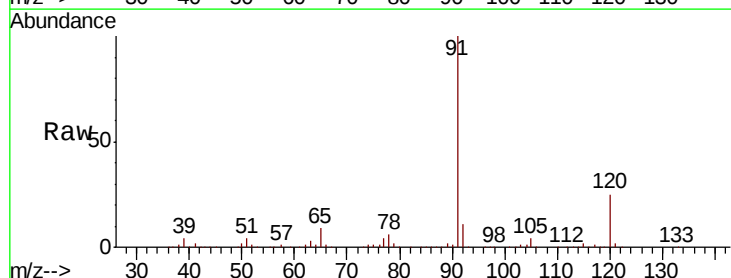
Acq: 28 Oct 2019 12:55

Tgt Ion: 91 Resp: 357414

Ion Ratio Lower Upper

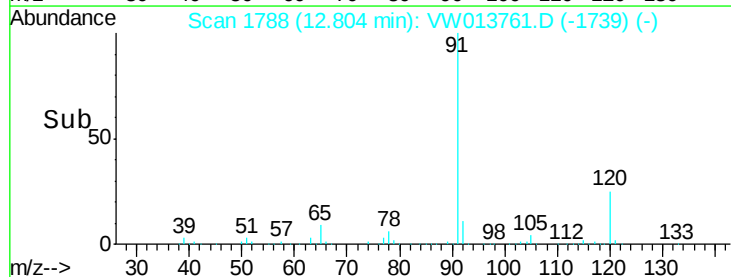
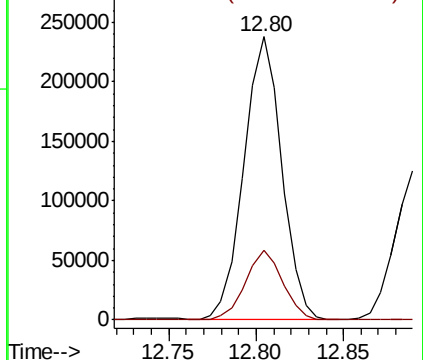
91 100

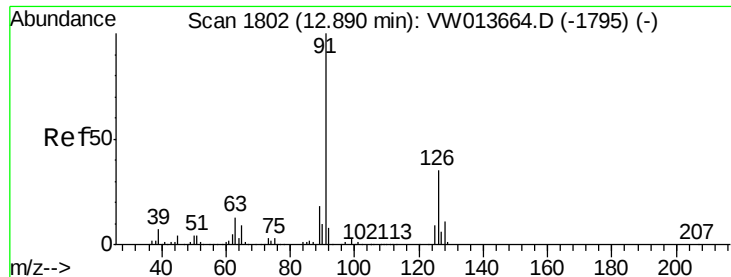
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.416 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

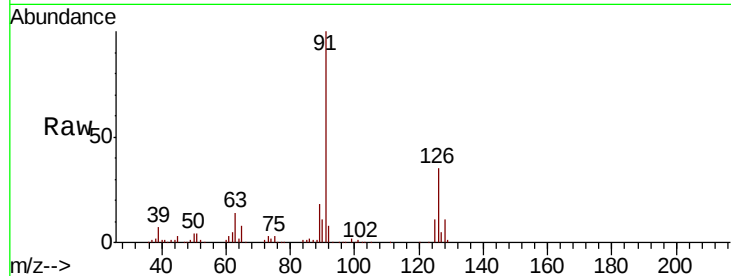
ClientSampled :

Tot Ion: 91 Resp: 199147

Ion Ratio Lower Upper

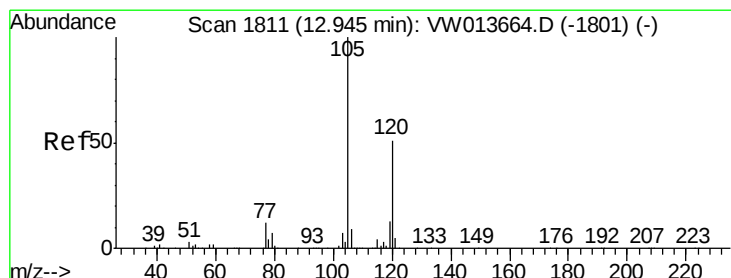
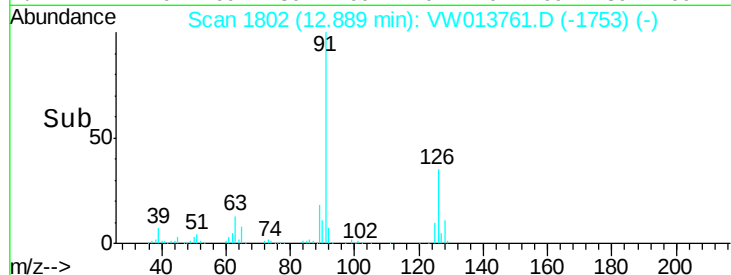
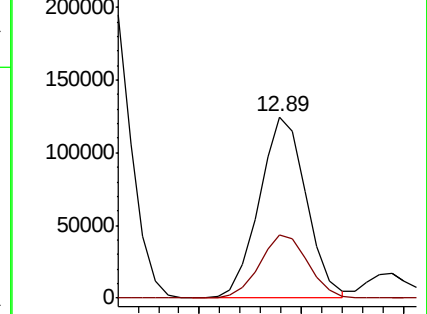
91 100

126 35.8 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.538 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013761.D

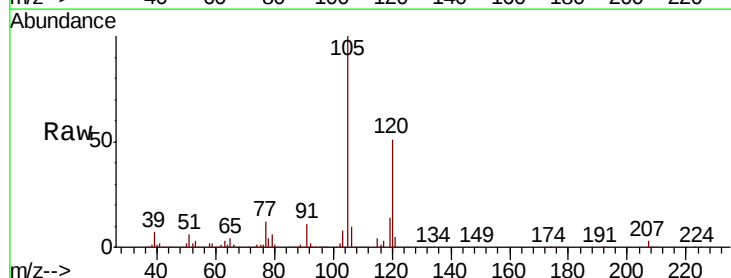
Acq: 28 Oct 2019 12:55

Tgt Ion:105 Resp: 259923

Ion Ratio Lower Upper

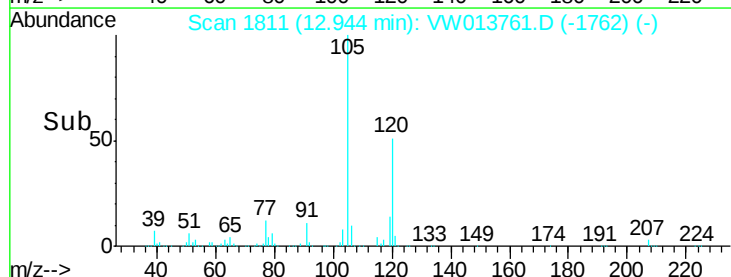
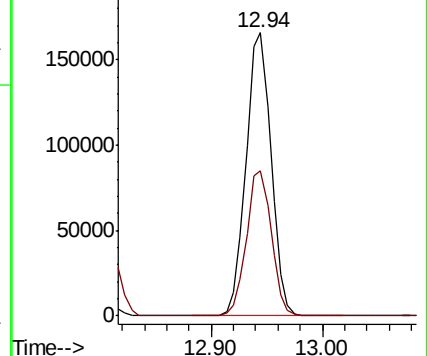
105 100

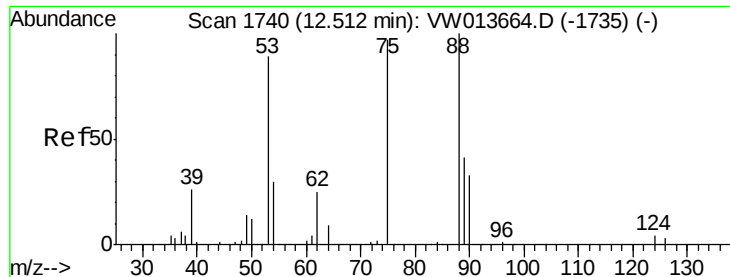
120 50.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 22.450 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampled :

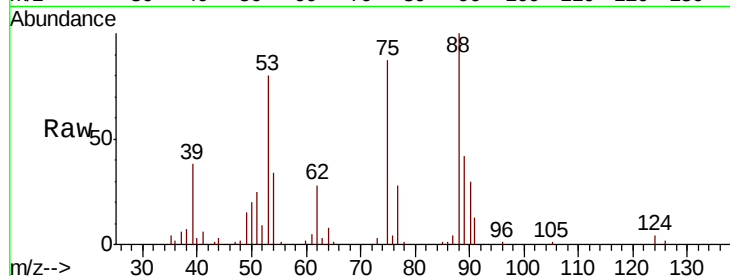
Tot Ion: 75 Resp: 16983

Ion Ratio Lower Upper

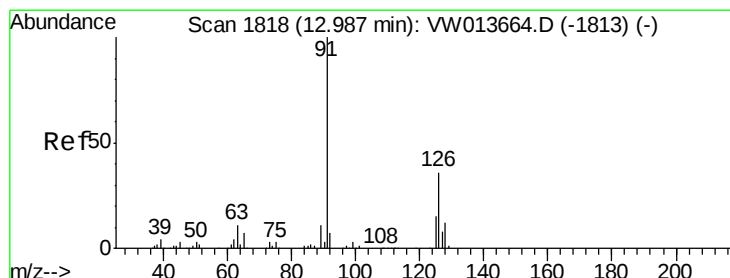
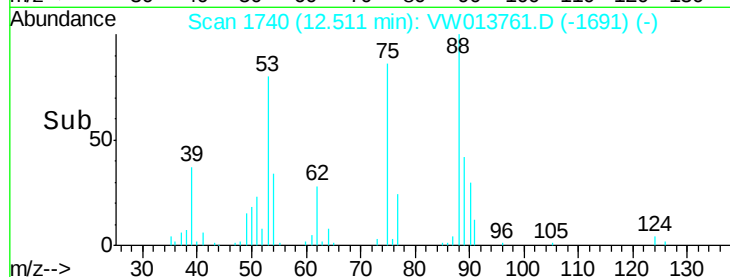
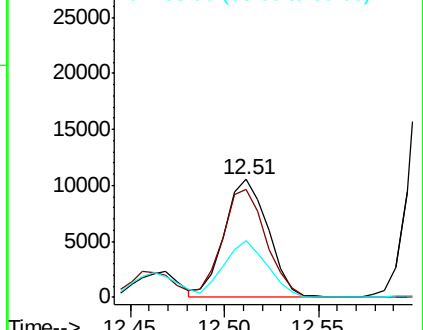
75 100

53 91.9 71.7 107.5

89 47.3 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: 21.646 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013761.D

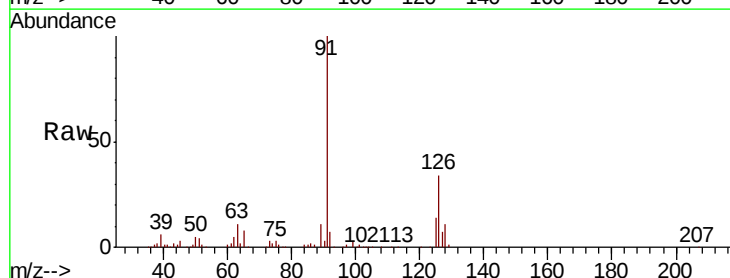
Acq: 28 Oct 2019 12:55

Tgt Ion: 91 Resp: 211313

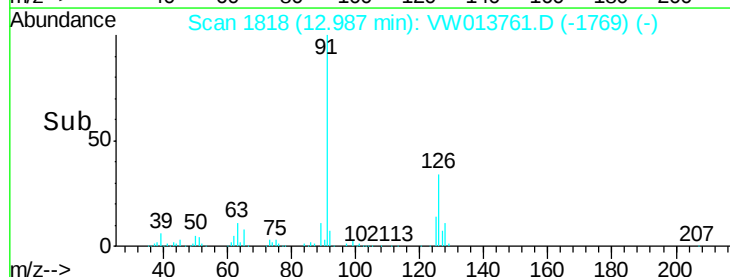
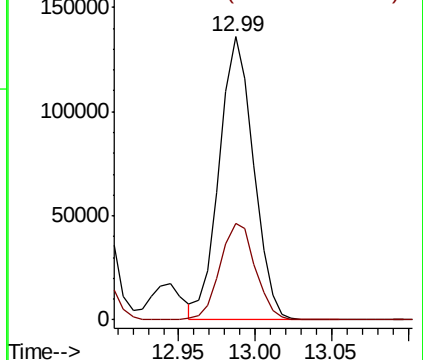
Ion Ratio Lower Upper

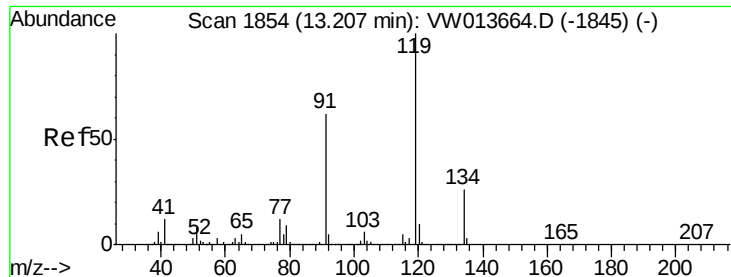
91 100

126 35.3 17.2 51.5



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

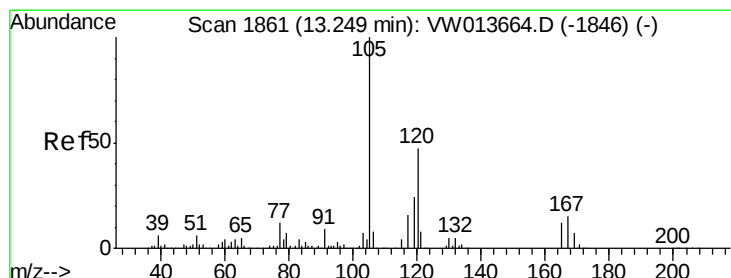
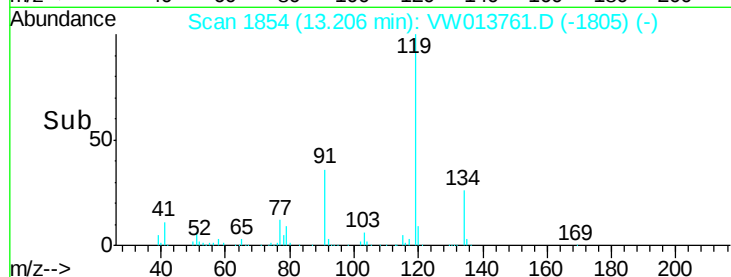
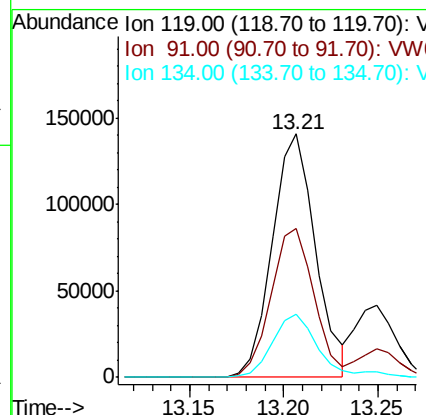
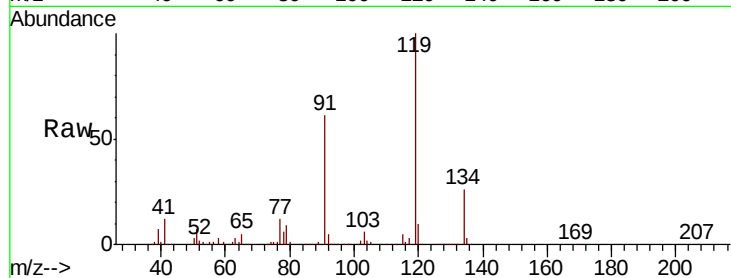




#83
tert-Butylbenzene
Concen: 20.918 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

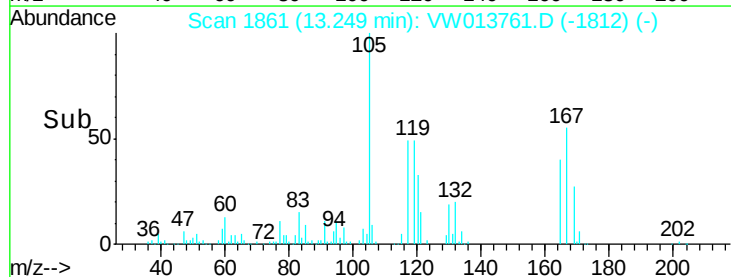
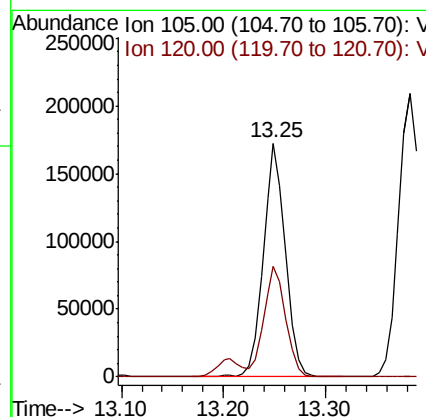
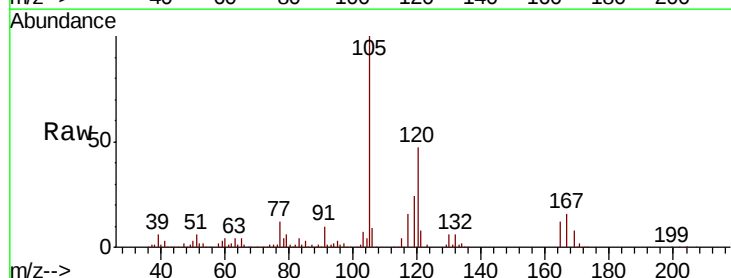
Instrument :
MSVOA_W
ClientSampleId :

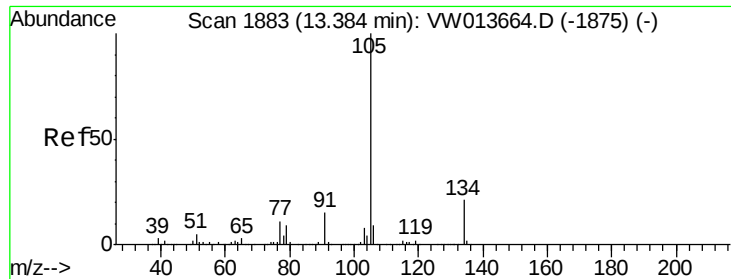
Tot Ion:119 Resp: 224080
Ion Ratio Lower Upper
119 100
91 61.1 30.4 91.3
134 28.0 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 21.747 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion:105 Resp: 258888
Ion Ratio Lower Upper
105 100
120 46.7 23.5 70.5





#85

sec-Butylbenzene

Concen: 21.595 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

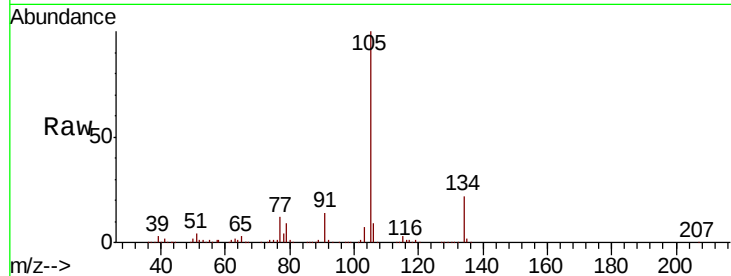
ClientSampleId :

Tot Ion:105 Resp: 316341

Ion Ratio Lower Upper

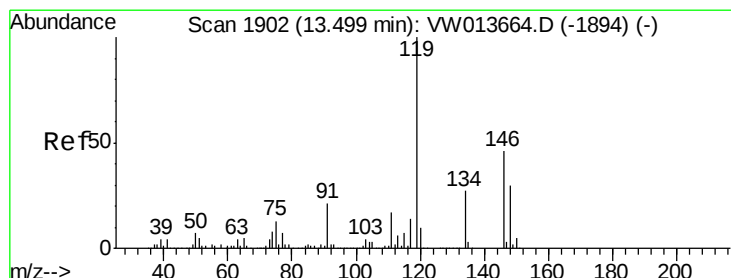
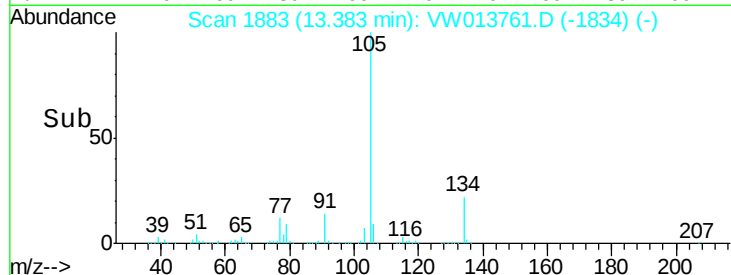
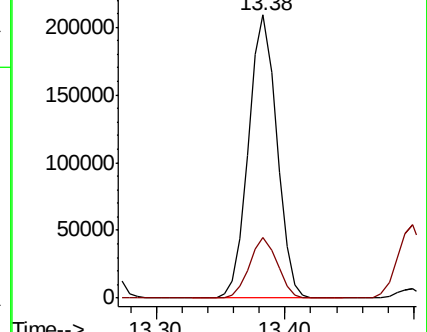
105 100

134 20.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.609 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

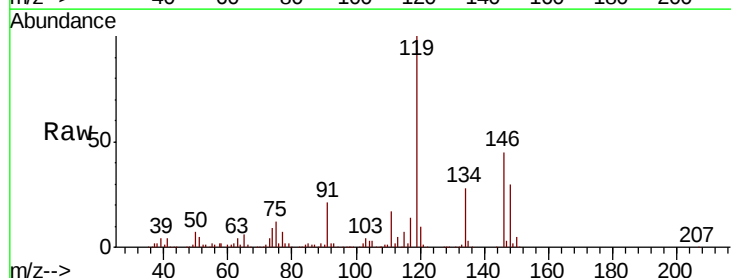
Tgt Ion:119 Resp: 294859

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

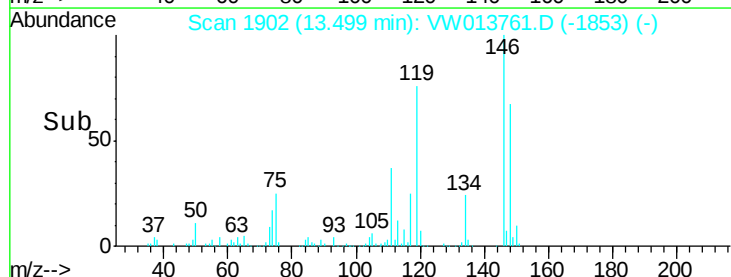
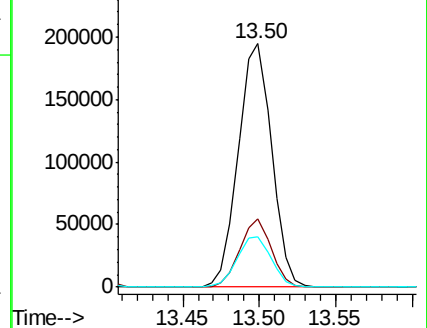
91 21.5 10.8 32.3

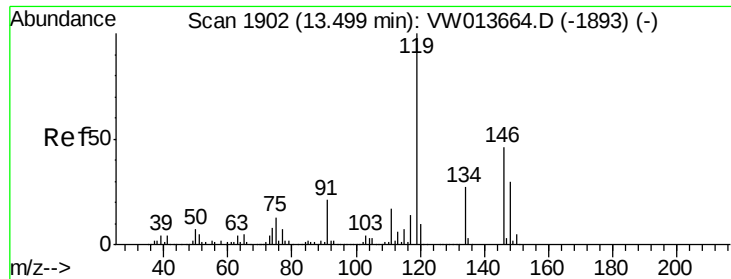


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

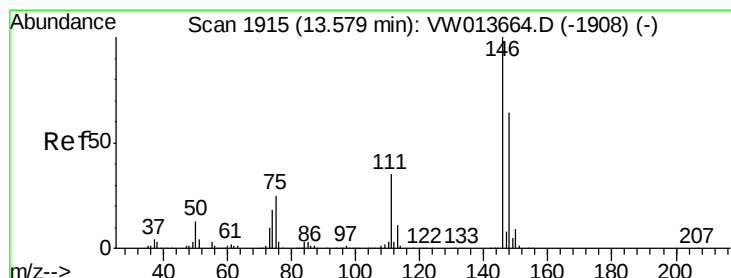
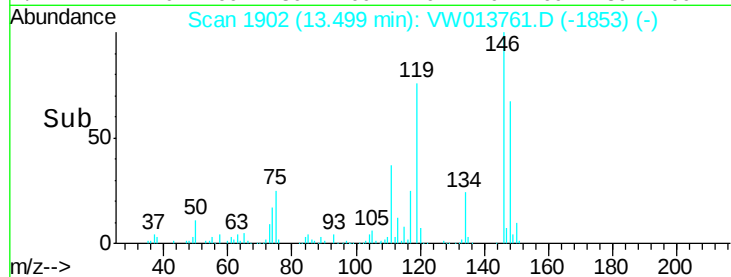
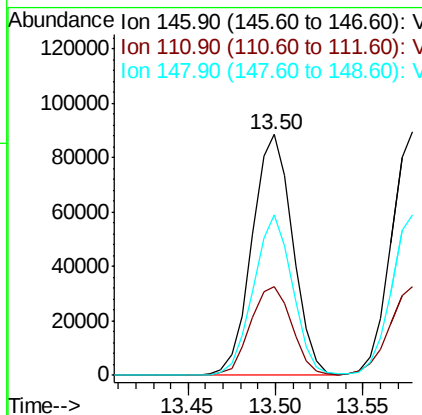
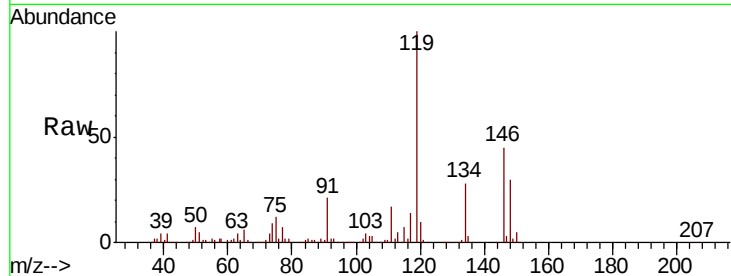




#87
 1,3-Dichlorobenzene
 Concen: 21.575 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

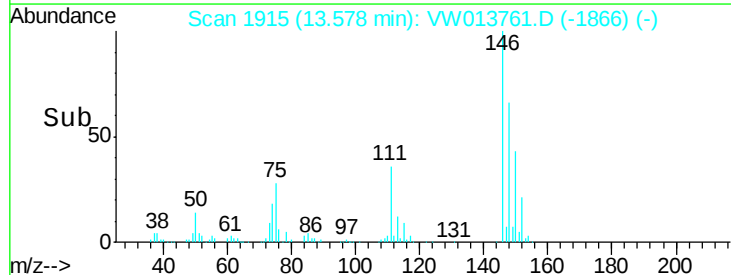
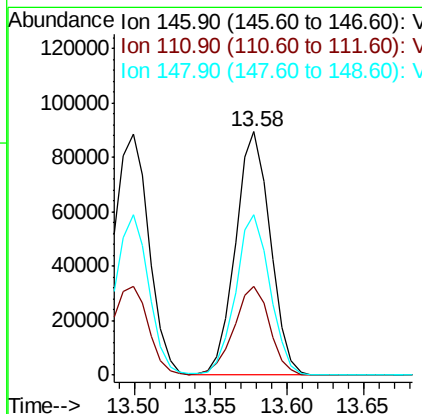
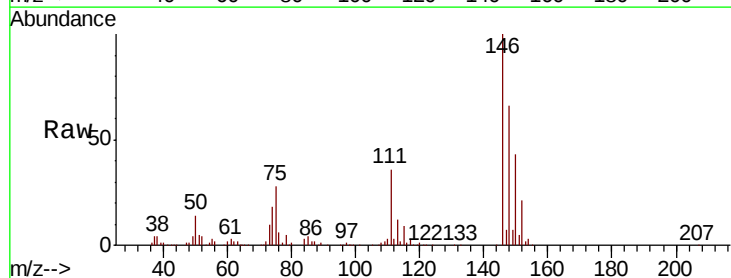
Instrument :
 MSVOA_W
 ClientSampleId :

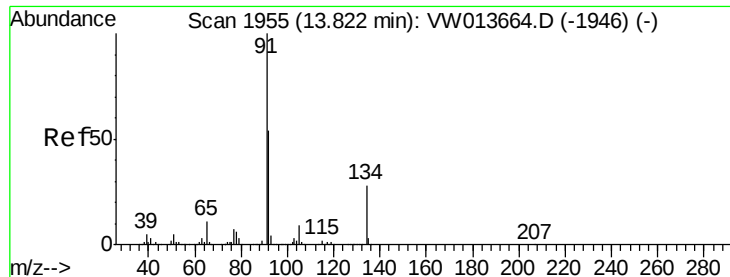
Tot Ion:146 Resp: 142761
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.6 56.0
 148 64.2 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 21.490 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion:146 Resp: 141269
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.1 54.3
 148 65.1 32.0 96.2





#89

n-Butylbenzene

Concen: 21.805 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

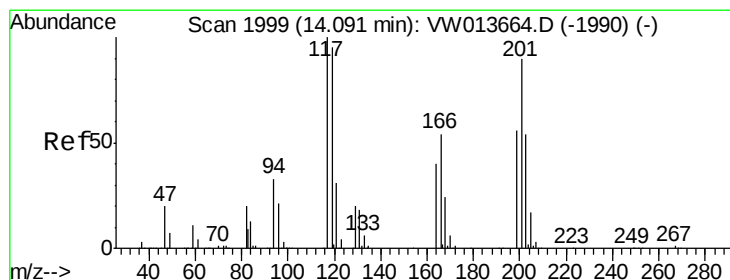
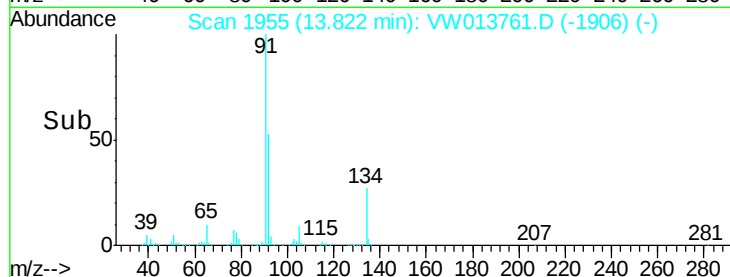
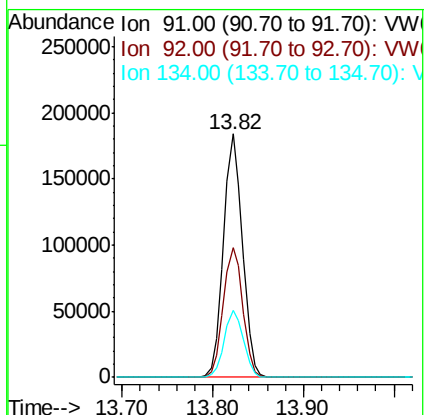
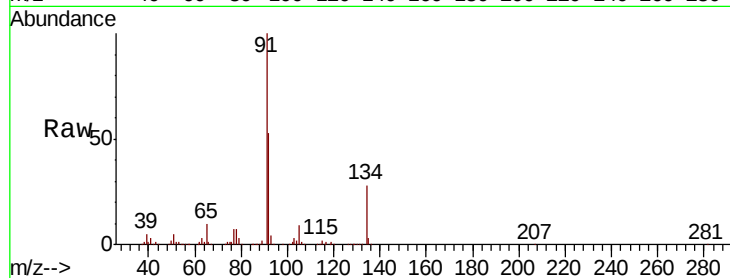
Tot Ion: 91 Resp: 268570

Ion Ratio Lower Upper

91 100

92 54.6 27.5 82.4

134 27.9 14.0 41.9



#90

Hexachloroethane

Concen: 20.680 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013761.D

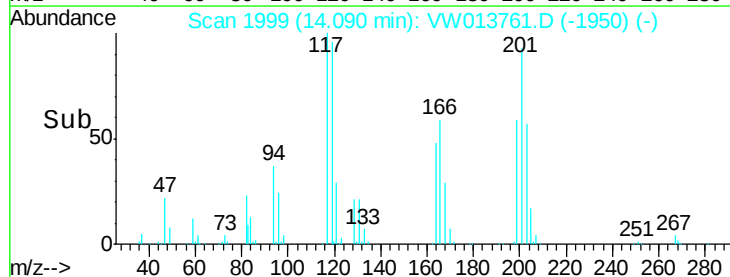
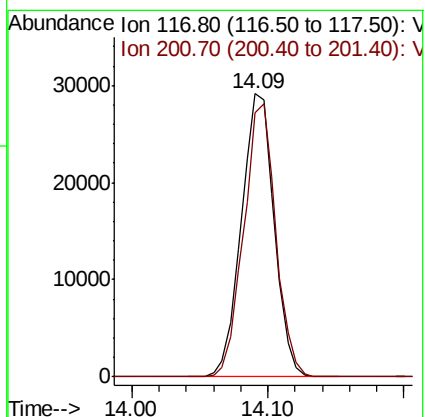
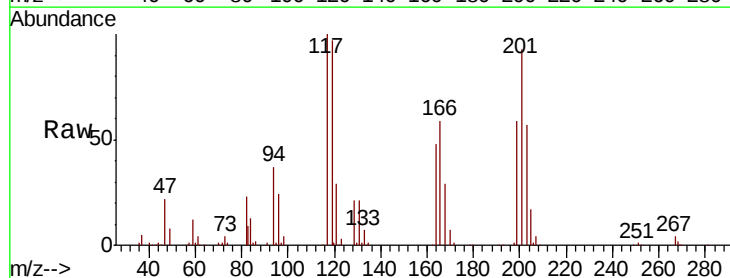
Acq: 28 Oct 2019 12:55

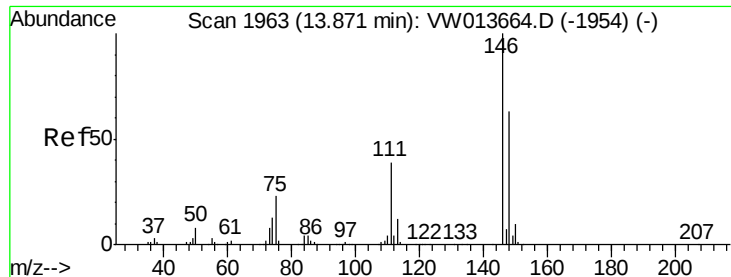
Tgt Ion: 117 Resp: 49048

Ion Ratio Lower Upper

117 100

201 94.8 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 21.584 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

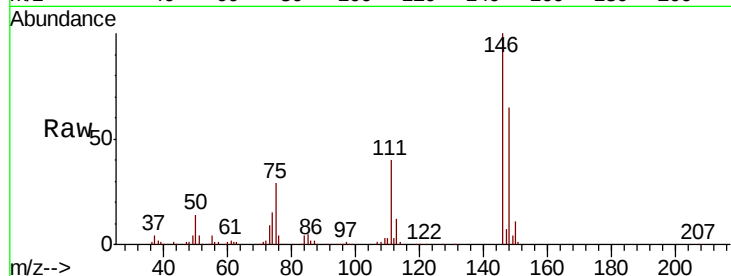
Tot Ion:146 Resp: 123837

Ion Ratio Lower Upper

146 100

111 39.0 19.9 59.6

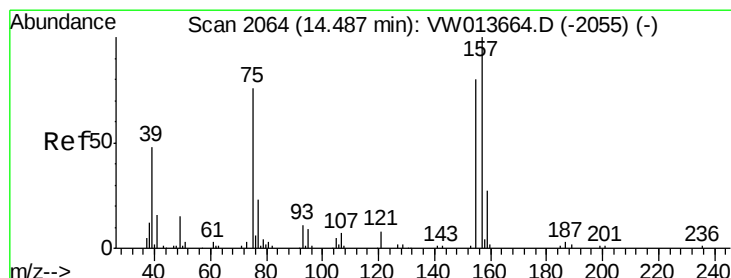
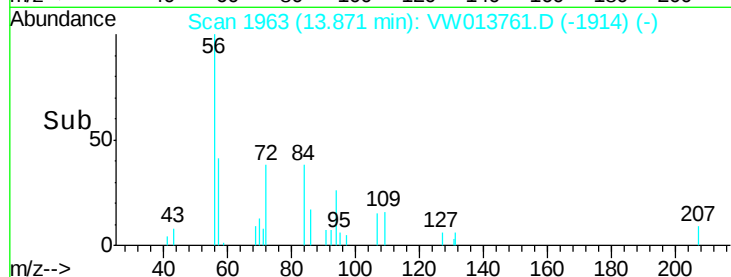
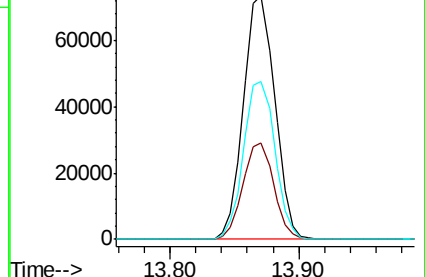
148 65.1 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.310 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW013761.D

Acq: 28 Oct 2019 12:55

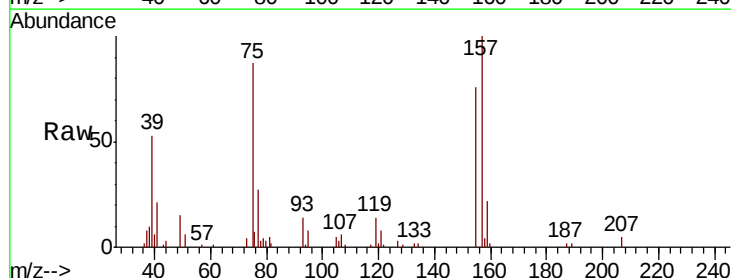
Tgt Ion: 75 Resp: 7952

Ion Ratio Lower Upper

75 100

155 101.7 51.9 155.7

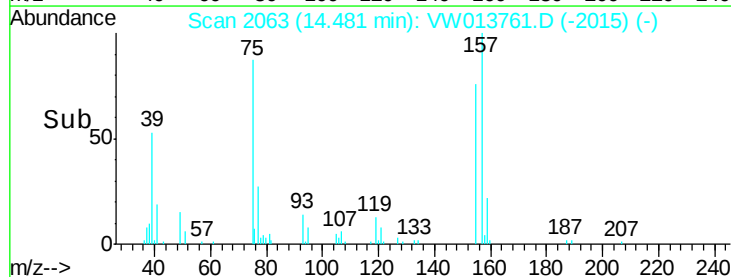
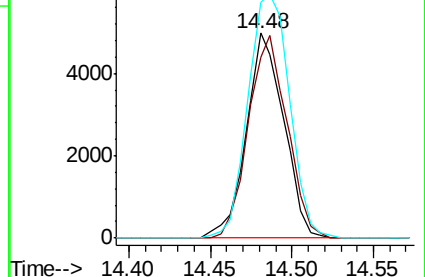
157 132.3 64.8 194.3

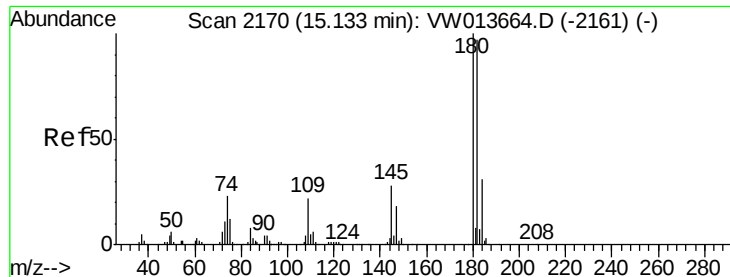


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

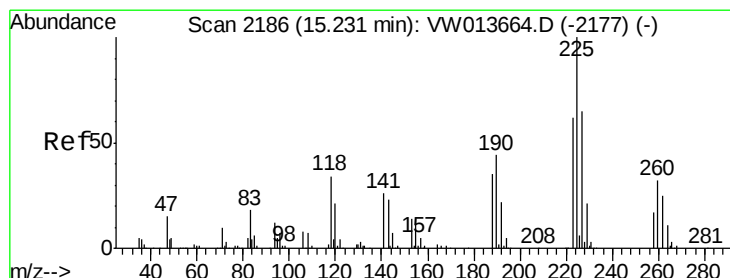
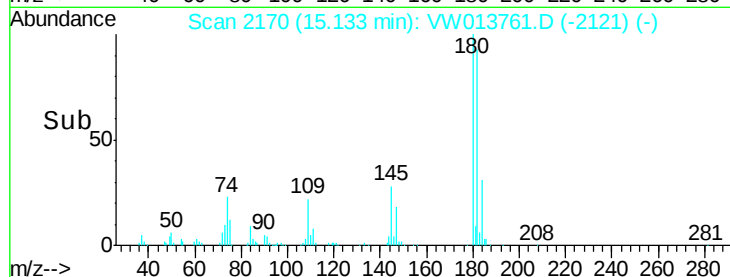
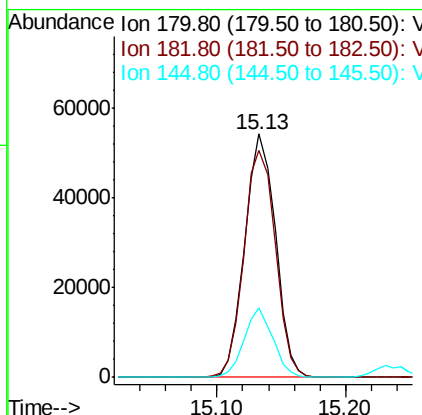
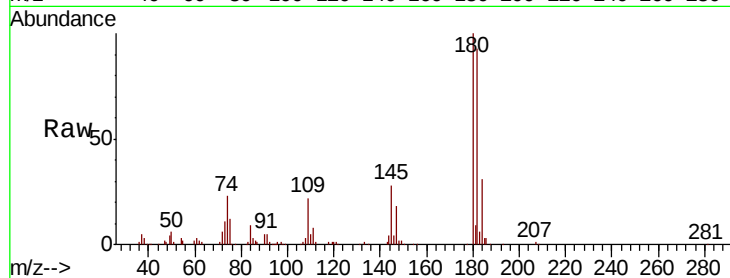




#93
 1,2,4-Trichlorobenzene
 Concen: 21.415 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

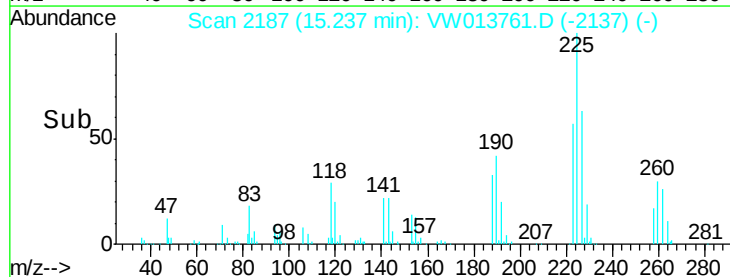
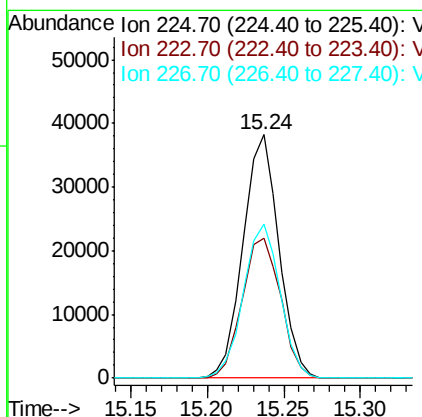
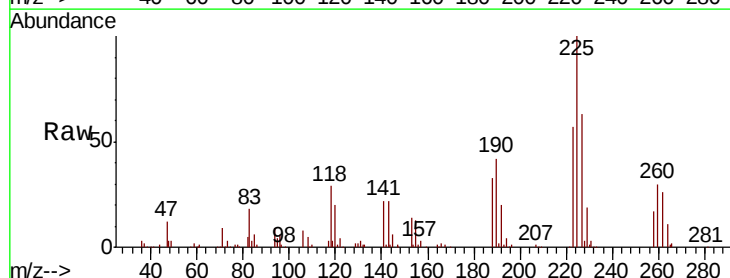
Instrument :
 MSVOA_W
 ClientSampleId :

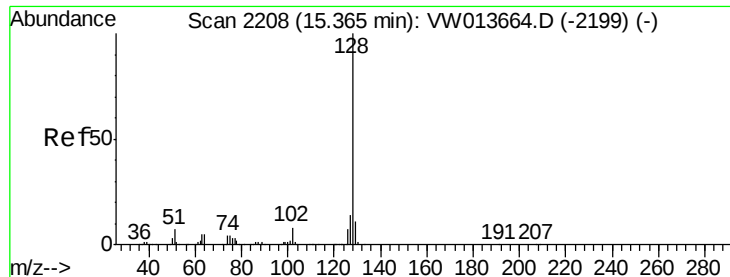
Tot Ion:180 Resp: 89416
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.4 142.2
 145 26.8 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 22.099 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013761.D
 Acq: 28 Oct 2019 12:55

Tgt Ion:225 Resp: 62293
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.9 95.9
 227 64.9 32.5 97.4

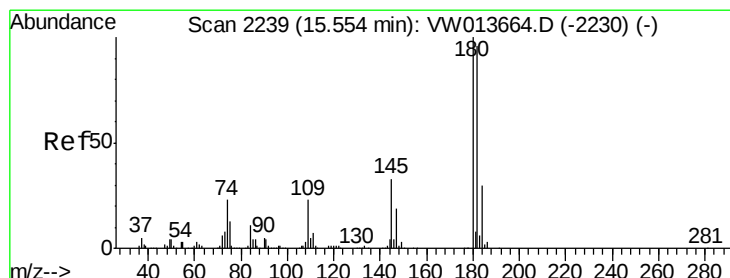
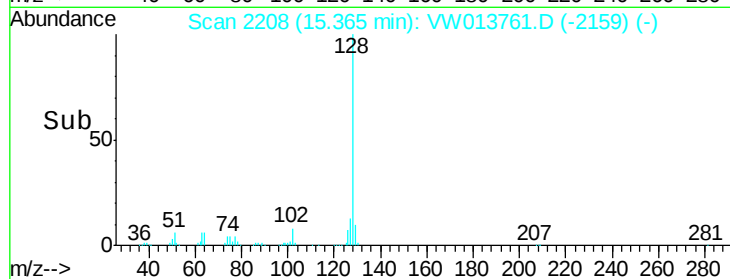
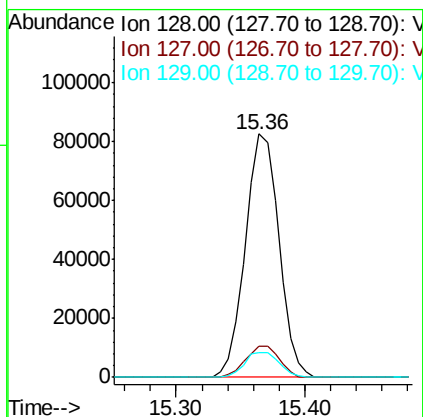
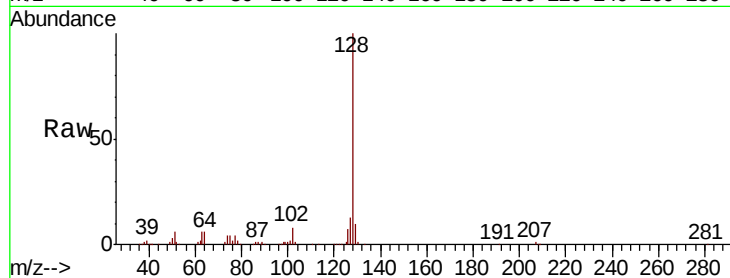




#95
Naphthalene
Concen: 22.820 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 149394
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.308 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013761.D
Acq: 28 Oct 2019 12:55

Tgt Ion:180 Resp: 76662
Ion Ratio Lower Upper
180 100
182 96.1 47.4 142.3
145 30.5 14.9 44.9

