

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
 Data File : VW013349.D
 Acq On : 30 Sep 2019 23:56
 Operator : SY/VA
 Sample : VW0930SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

Quant Time: Oct 01 05:41:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	275268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	381096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	121693	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
35) Dibromofluoromethane	7.88	113	117329	55.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.96%	
50) Toluene-d8	10.32	98	489070	55.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.50%	
62) 4-Bromofluorobenzene	12.62	95	166408	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31690	19.958	ug/l	92
3) Chloromethane	2.21	50	40135	19.663	ug/l	99
4) Vinyl Chloride	2.35	62	54686	20.782	ug/l	98
5) Bromomethane	2.76	94	31863	19.107	ug/l	97
6) Chloroethane	2.91	64	29448	18.985	ug/l	99
7) Trichlorofluoromethane	3.25	101	27776	18.306	ug/l	99
8) Diethyl Ether	3.68	74	26893	20.750	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53089	21.490	ug/l	98
10) Methyl Iodide	4.27	142	74820	19.535	ug/l	99
11) Tert butyl alcohol	5.18	59	26506	160.269	ug/l	99
12) 1,1-Dichloroethene	4.04	96	53105	20.759	ug/l	99
13) Acrolein	3.89	56	12364	95.604	ug/l	96
14) Allyl chloride	4.67	41	78321	19.238	ug/l	100
15) Acrylonitrile	5.36	53	73701	131.749	ug/l	100
16) Acetone	4.13	43	60825	120.058	ug/l	97
17) Carbon Disulfide	4.38	76	144683	19.568	ug/l	98
18) Methyl Acetate	4.67	43	45472	31.930	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	85620	21.838	ug/l	95
20) Methylene Chloride	4.91	84	58506	20.889	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	55651	20.128	ug/l	98
22) Diisopropyl ether	6.31	45	155713	20.113	ug/l	96
23) Vinyl Acetate	6.25	43	482057	104.958	ug/l	97
24) 1,1-Dichloroethane	6.21	63	94555	20.240	ug/l	99
25) 2-Butanone	7.17	43	95603	125.705	ug/l	# 90
26) 2,2-Dichloropropane	7.16	77	56853	18.222	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	58748	20.134	ug/l	100
28) Bromochloromethane	7.51	49	33861	18.885	ug/l	96
29) Tetrahydrofuran	7.53	42	63753	136.688	ug/l	98
30) Chloroform	7.68	83	92764	20.282	ug/l	96
31) Cyclohexane	7.95	56	102487	21.046	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	77276	20.861	ug/l	99
36) 1,1-Dichloropropene	8.08	75	81577	22.101	ug/l	99
37) Ethyl Acetate	7.26	43	45523	29.018	ug/l	98
38) Carbon Tetrachloride	8.07	117	72578	21.934	ug/l	88

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	108327	22.837	ug/l	100
40) Benzene	8.32	78	219763	21.345	ug/l	100
41) Methacrylonitrile	7.48	41	21311	22.761	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	60155	21.735	ug/l	97
43) Isopropyl Acetate	8.42	43	75239	25.024	ug/l	98
44) Trichloroethene	9.09	130	63894	22.119	ug/l	96
45) 1,2-Dichloropropane	9.37	63	52766	20.992	ug/l	98
46) Dibromomethane	9.46	93	28396	23.268	ug/l	99
47) Bromodichloromethane	9.64	83	65883	21.217	ug/l	98
48) Methyl methacrylate	9.43	41	37375	26.436	ug/l	98
49) 1,4-Dioxane	9.45	88	11823	645.413	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	206865	137.242	ug/l	99
52) Toluene	10.38	92	144802	21.945	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	67720	21.227	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	79736	20.556	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	42404	23.247	ug/l	95
56) Ethyl methacrylate	10.65	69	59004	24.717	ug/l	99
57) 1,3-Dichloropropane	10.93	76	72119	22.657	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	127059	114.971	ug/l	99
59) 2-Hexanone	10.97	43	141013	135.979	ug/l	98
60) Dibromochloromethane	11.13	129	46449	22.426	ug/l	99
61) 1,2-Dibromoethane	11.23	107	41587	23.979	ug/l	100
64) Tetrachloroethene	10.86	164	59468	23.916	ug/l	97
65) Chlorobenzene	11.65	112	146797	21.451	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	50487	21.595	ug/l	98
67) Ethyl Benzene	11.73	91	267120	21.543	ug/l	99
68) m/p-Xylenes	11.83	106	206851	43.778	ug/l	99
69) o-Xylene	12.16	106	94271	21.460	ug/l	97
70) Styrene	12.18	104	158157	20.971	ug/l	99
71) Bromoform	12.35	173	30460	24.661	ug/l #	97
73) Isopropylbenzene	12.46	105	266864	21.662	ug/l	99
74) N-amyl acetate	12.27	43	63821	23.346	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	52796	25.625	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	64808	44.004	ug/l #	100
77) Bromobenzene	12.74	156	63584	21.780	ug/l	99
78) n-propylbenzene	12.80	91	312122	21.645	ug/l	99
79) 2-Chlorotoluene	12.89	91	172312	21.329	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	223013	21.535	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15645	23.837	ug/l	96
82) 4-Chlorotoluene	12.99	91	177451	20.829	ug/l	99
83) tert-Butylbenzene	13.21	119	202253	22.252	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	217805	21.136	ug/l	100
85) sec-Butylbenzene	13.38	105	279207	22.281	ug/l	99
86) p-Isopropyltoluene	13.50	119	253041	21.771	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	118682	21.124	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	116920	21.219	ug/l	97
89) n-Butylbenzene	13.82	91	227896	21.474	ug/l	99
90) Hexachloroethane	14.09	117	42999	22.022	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	108292	22.279	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8921	28.309	ug/l	96

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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration

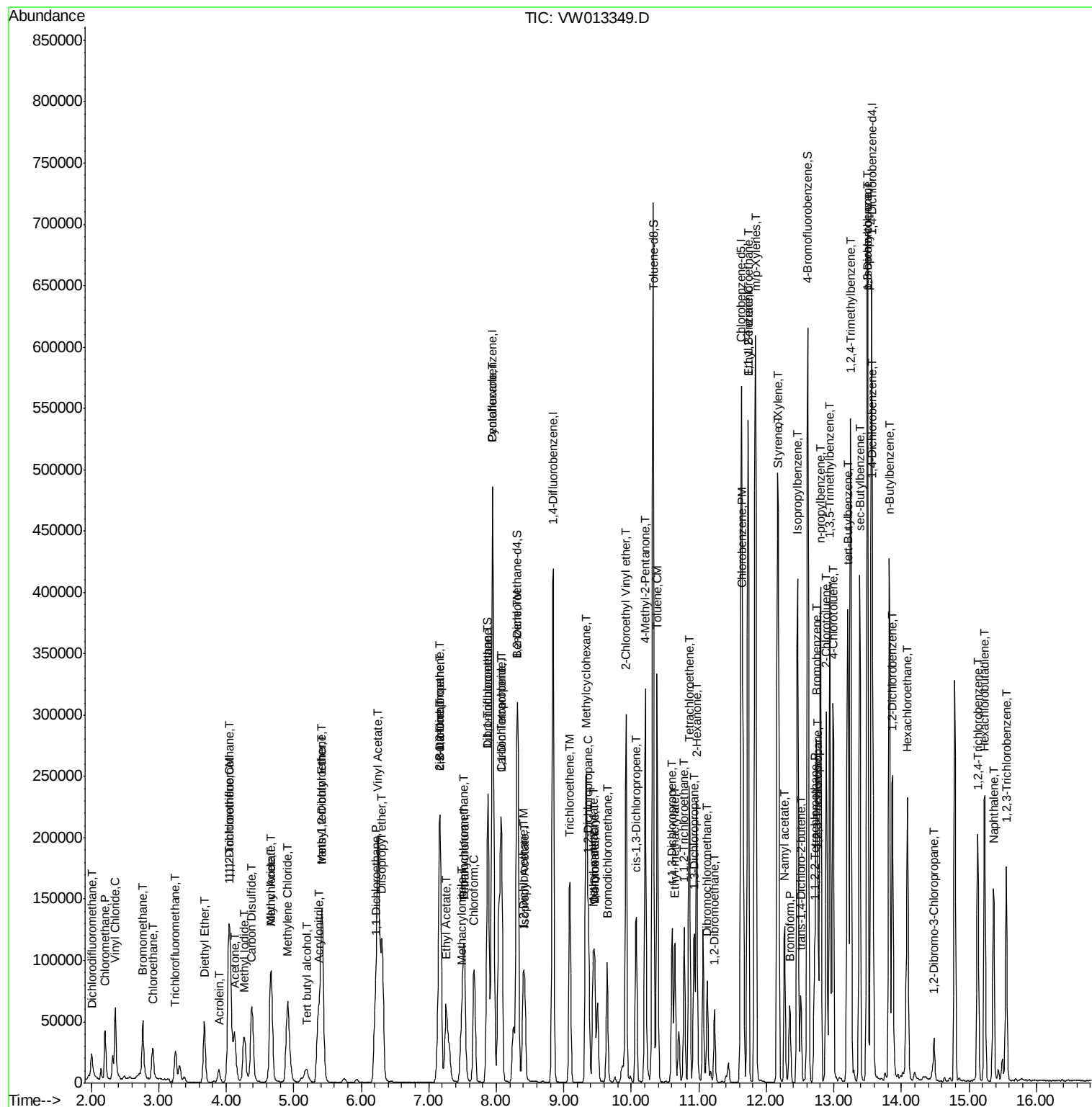
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	74392	21.358	ug/l	98
94) Hexachlorobutadiene	15.24	225	52534	22.046	ug/l	98
95) Naphthalene	15.36	128	139220	24.439	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	65612	21.801	ug/l	99

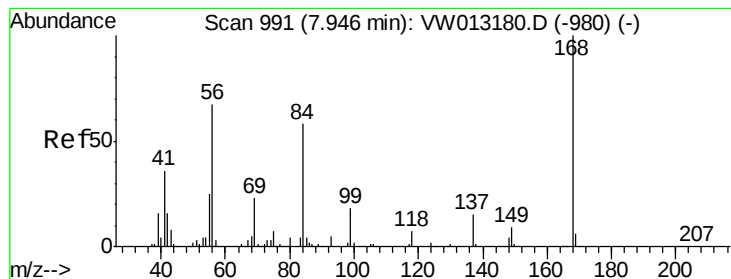
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sampled :
VW0930SBSD01

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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

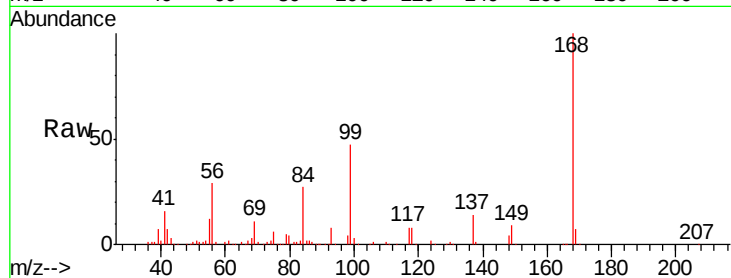
VW0930SBSD01

Tgt Ion:168 Resp: 275268

Ion Ratio Lower Upper

168 100

99 47.0 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

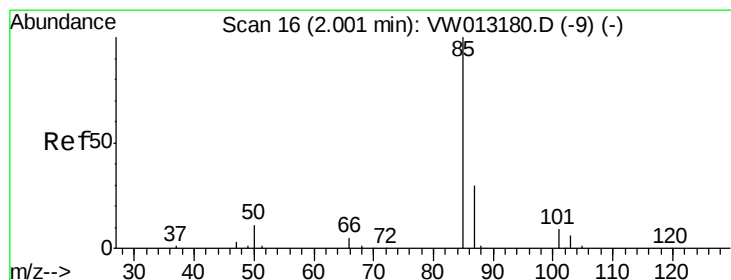
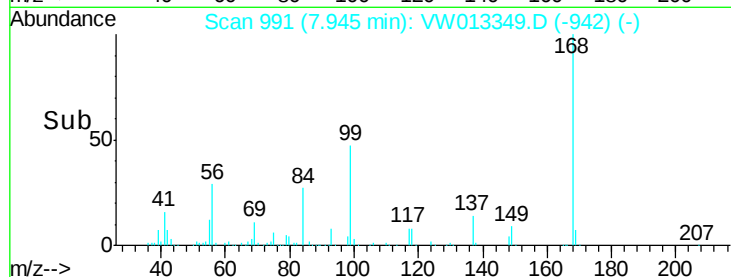
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.958 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013349.D

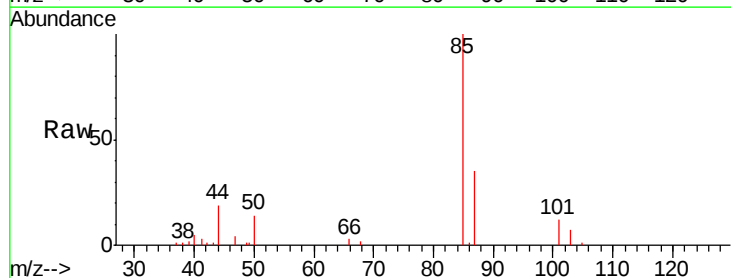
Acq: 30 Sep 2019 23:56

Tgt Ion: 85 Resp: 31690

Ion Ratio Lower Upper

85 100

87 34.5 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

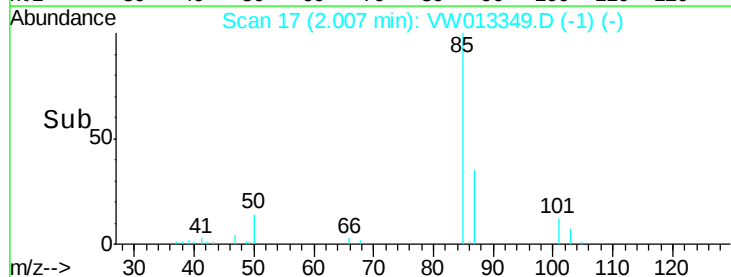
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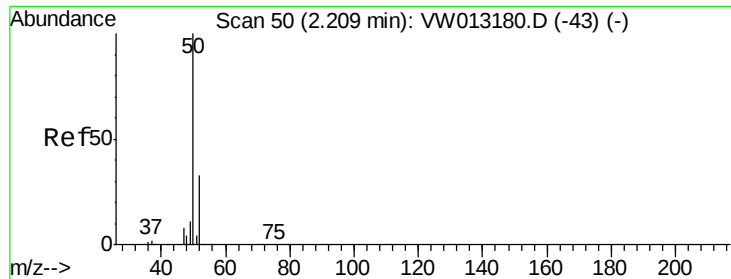
5000

0

Time-->

1.90 2.00 2.10





#3

Chloromethane

Concen: 19.663 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

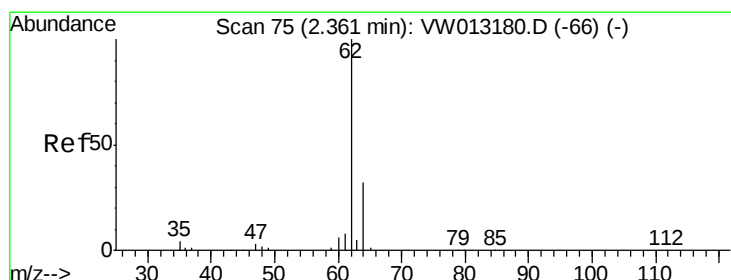
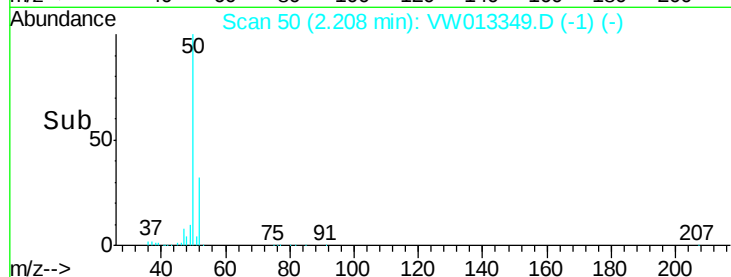
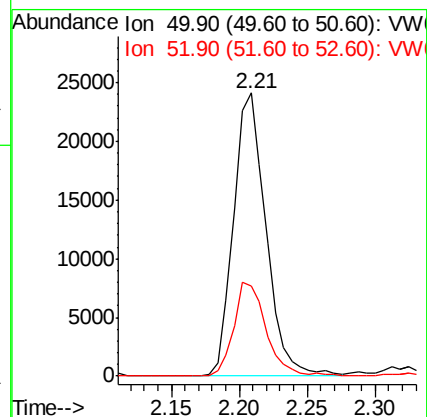
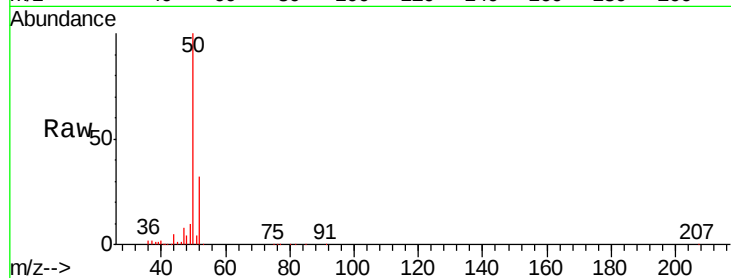
VW0930SBSD01

Tgt Ion: 50 Resp: 40135

Ion Ratio Lower Upper

50 100

52 32.0 26.1 39.1



#4

Vinyl Chloride

Concen: 20.782 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013349.D

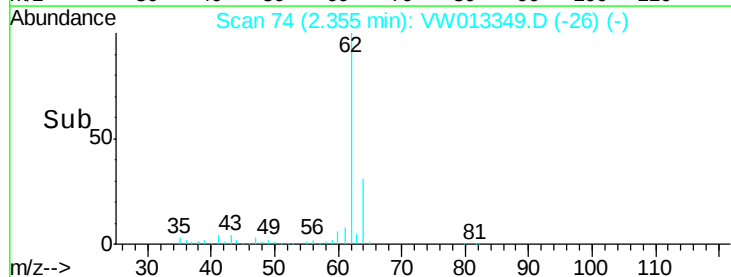
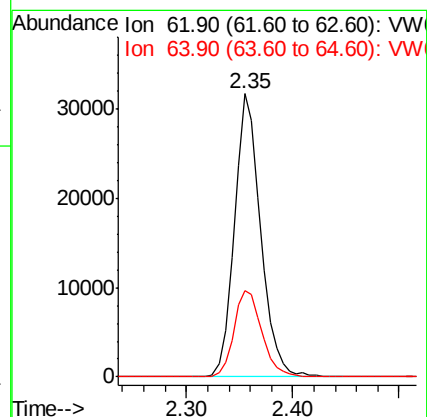
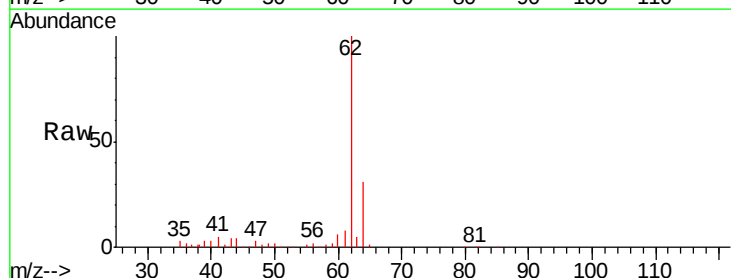
Acq: 30 Sep 2019 23:56

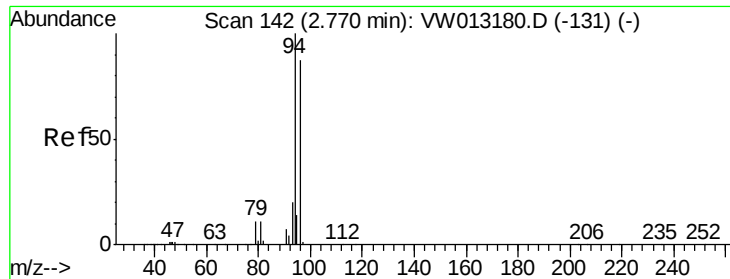
Tgt Ion: 62 Resp: 54686

Ion Ratio Lower Upper

62 100

64 30.6 25.3 37.9





#5

Bromomethane

Concen: 19.107 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

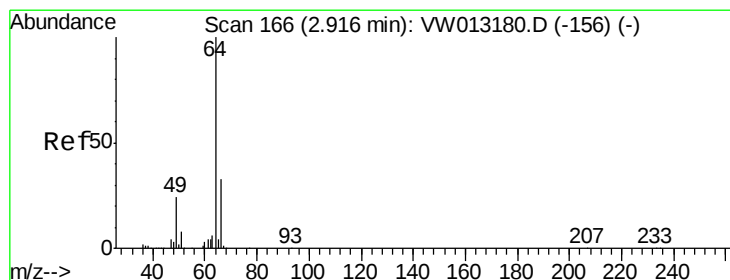
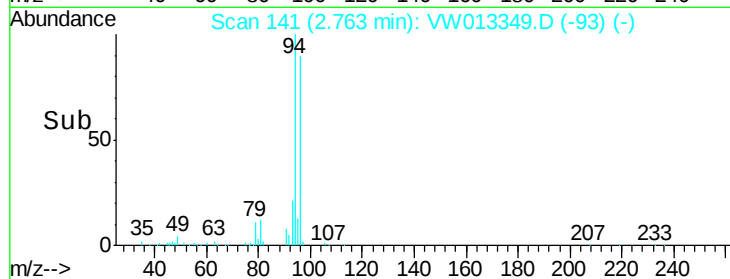
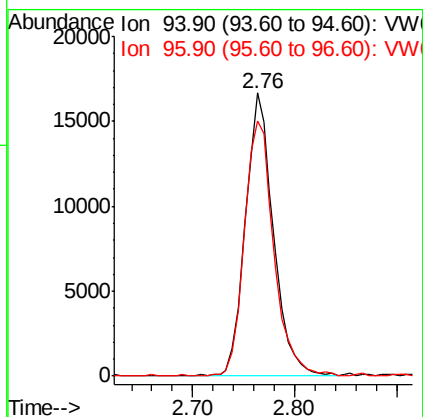
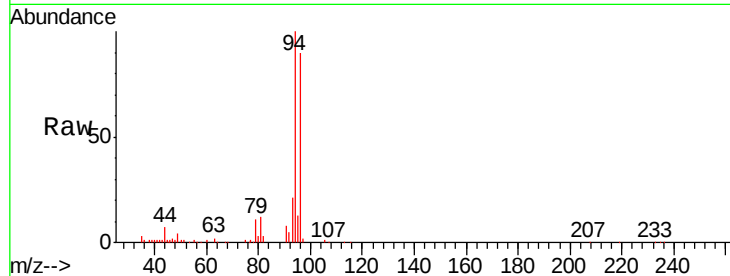
VW0930SBSD01

Tgt Ion: 94 Resp: 31863

Ion Ratio Lower Upper

94 100

96 90.2 69.7 104.5



#6

Chloroethane

Concen: 18.985 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013349.D

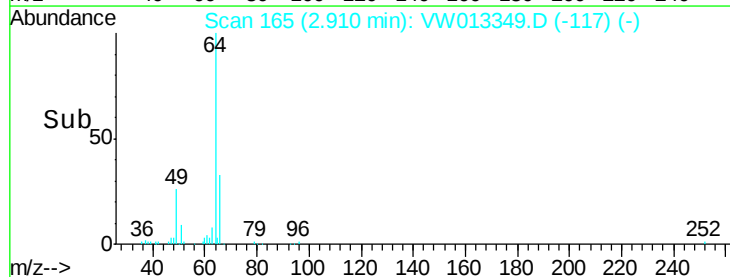
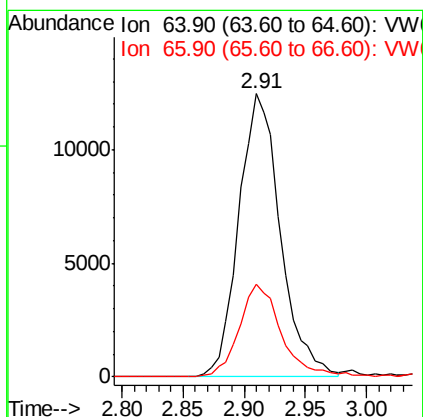
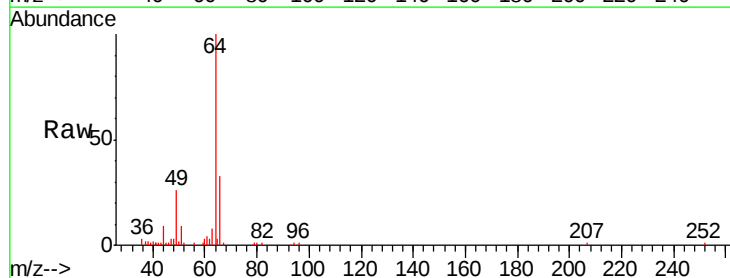
Acq: 30 Sep 2019 23:56

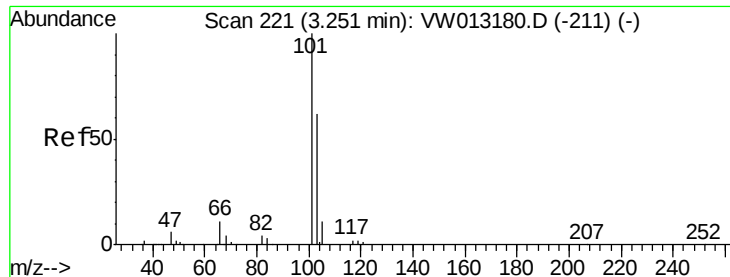
Tgt Ion: 64 Resp: 29448

Ion Ratio Lower Upper

64 100

66 32.5 26.6 39.8



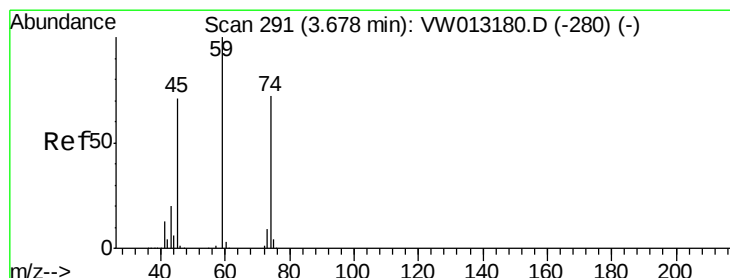
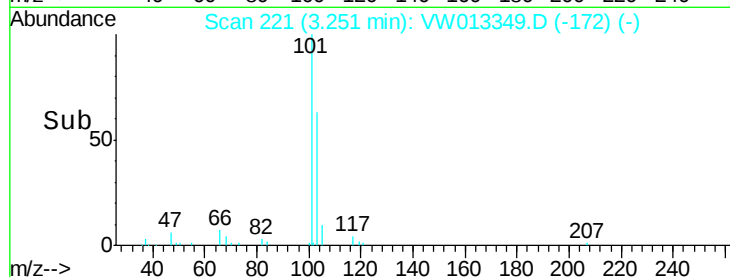
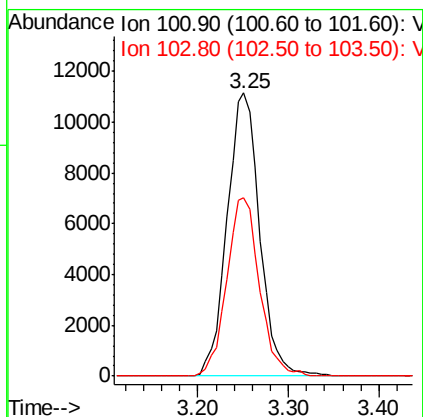
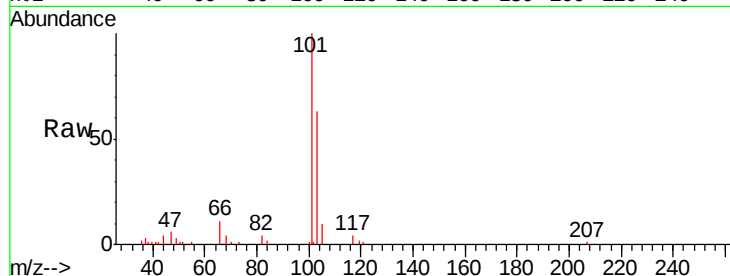


#7

Trichlorofluoromethane
 Concen: 18.306 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Instrument :
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 VW0930SBSD01

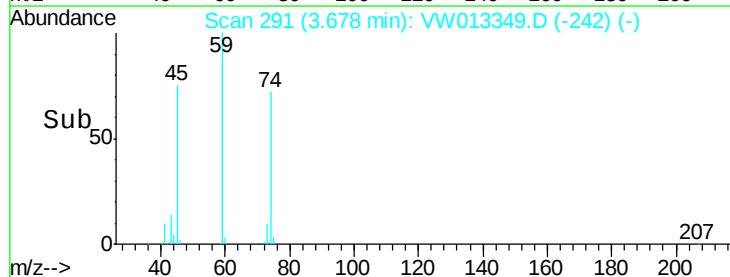
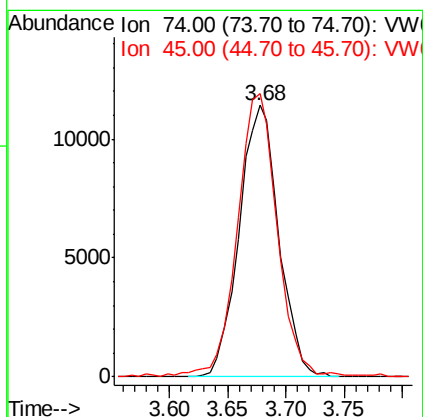
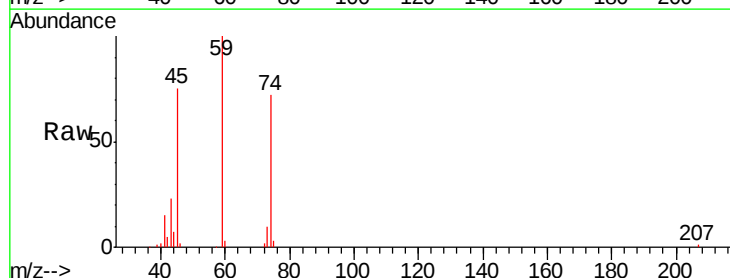
Tgt Ion:101 Resp: 27776
 Ion Ratio Lower Upper
 101 100
 103 63.0 49.7 74.5

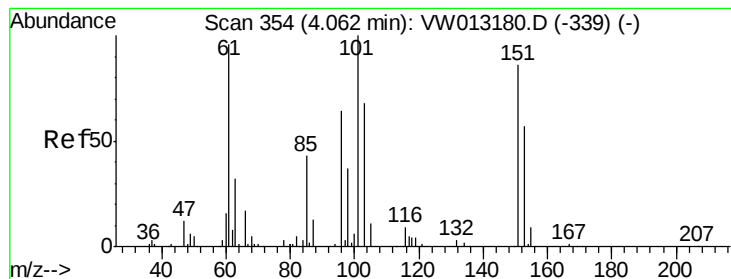


#8

Diethyl Ether
 Concen: 20.750 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion: 74 Resp: 26893
 Ion Ratio Lower Upper
 74 100
 45 105.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.490 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

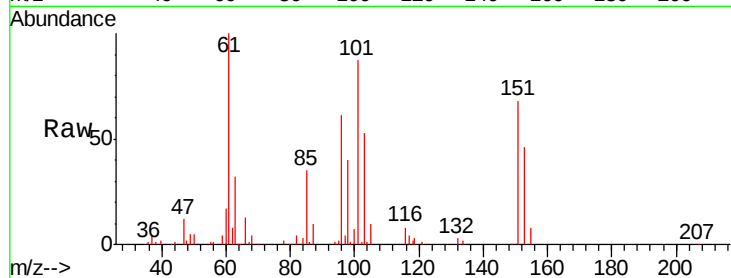
Tgt Ion:101 Resp: 53089

Ion Ratio Lower Upper

101 100

85 42.0 33.4 50.0

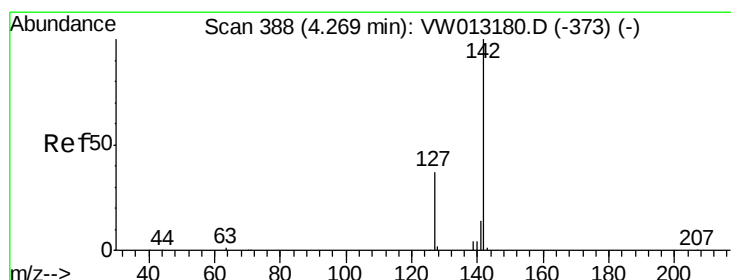
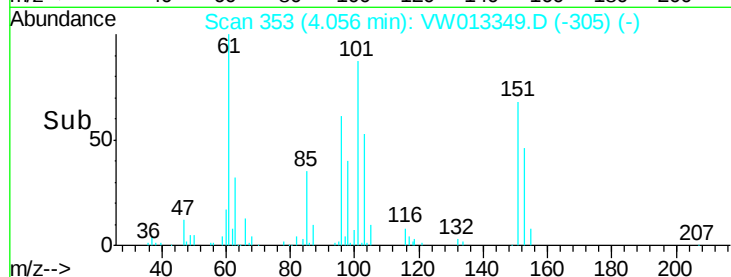
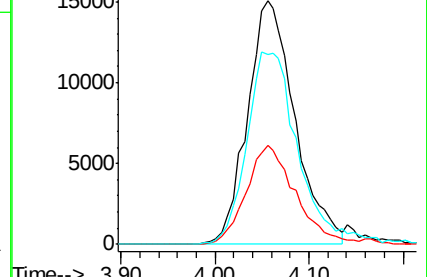
151 86.1 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.535 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

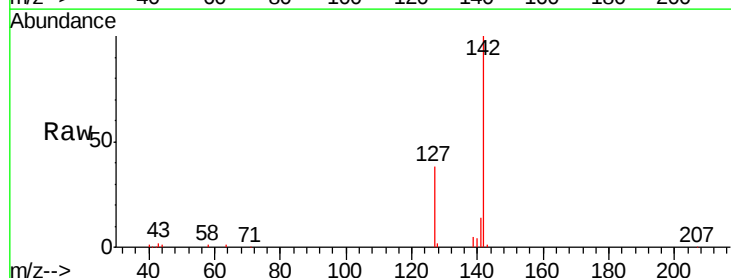
Tgt Ion:142 Resp: 74820

Ion Ratio Lower Upper

142 100

127 38.2 30.9 46.3

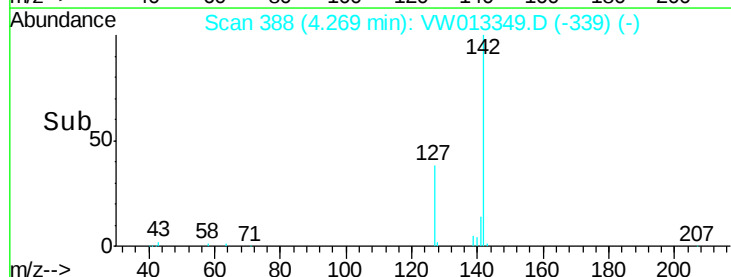
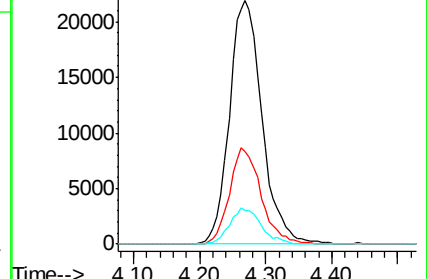
141 14.2 11.7 17.5

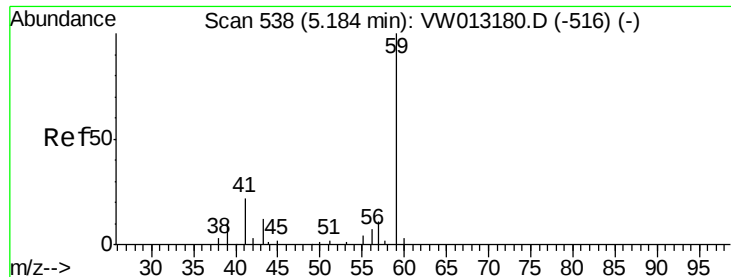


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

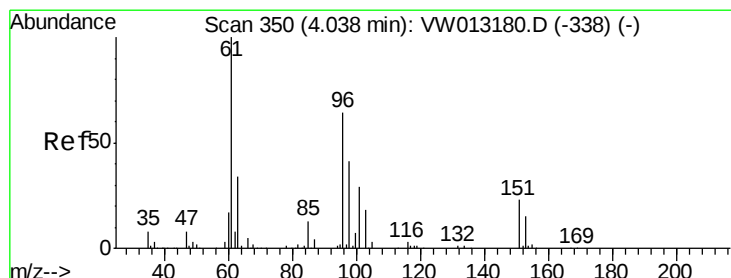
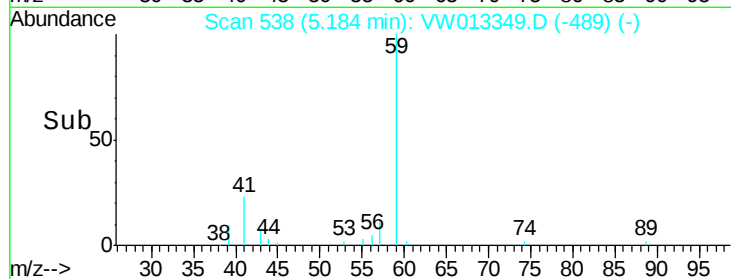
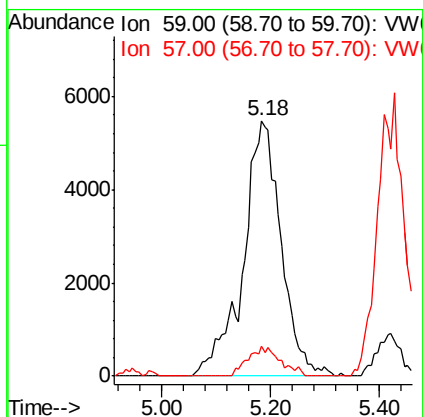
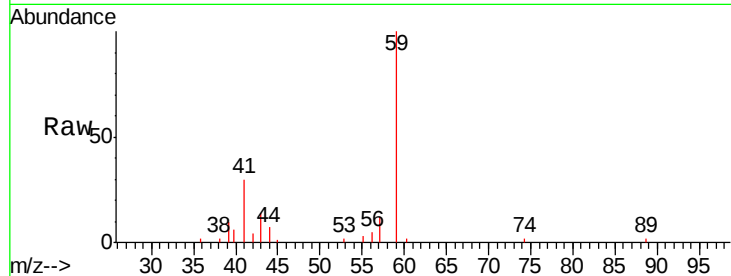




#11
Tert butyl alcohol
Concen: 160.269 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

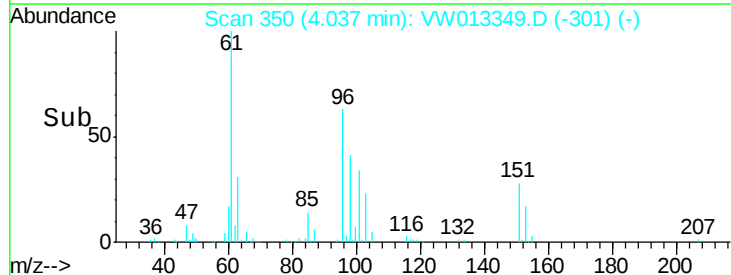
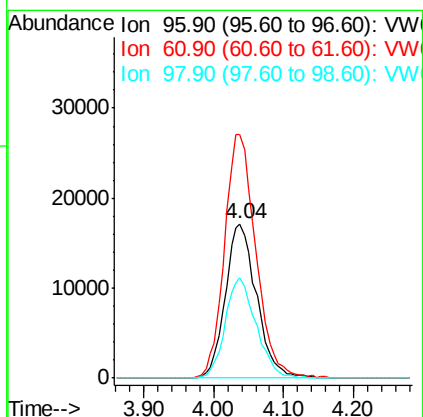
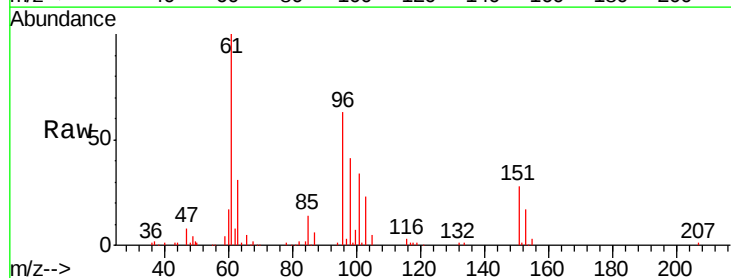
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

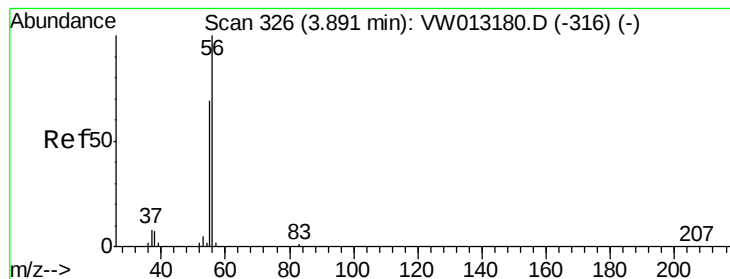
Tgt Ion: 59 Resp: 26506
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.2



#12
1,1-Dichloroethene
Concen: 20.759 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion: 96 Resp: 53105
Ion Ratio Lower Upper
96 100
61 158.1 125.1 187.7
98 64.7 50.8 76.2





#13

Acrolein

Concen: 95.604 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

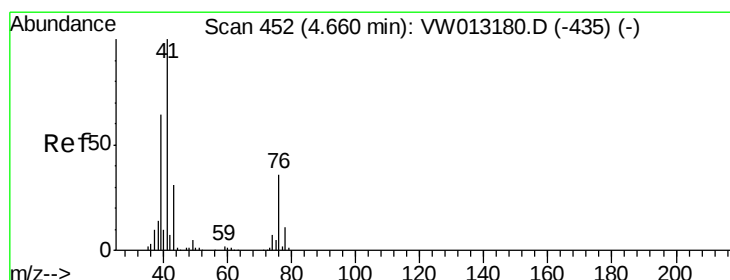
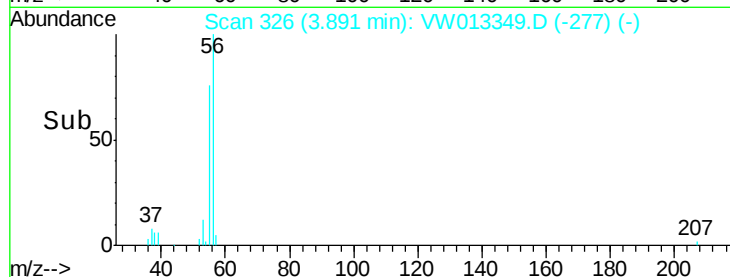
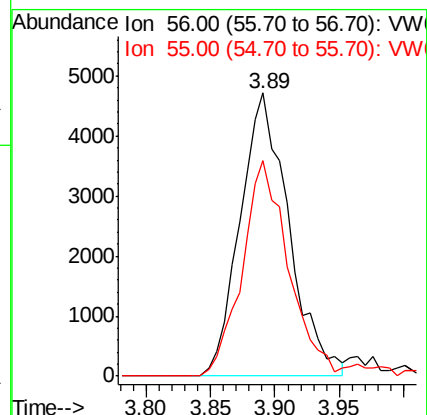
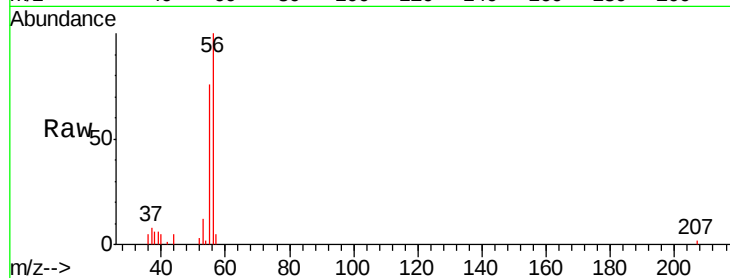
VW0930SBSD01

Tgt Ion: 56 Resp: 12364

Ion Ratio Lower Upper

56 100

55 72.4 55.4 83.0



#14

Allyl chloride

Concen: 19.238 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

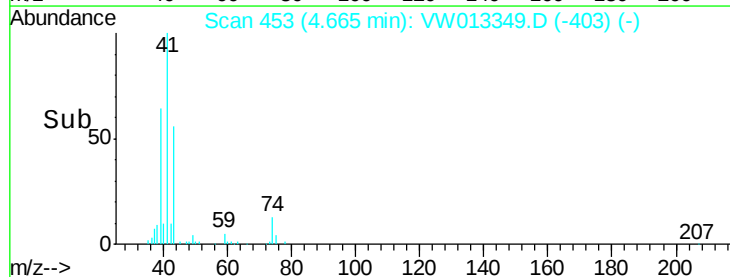
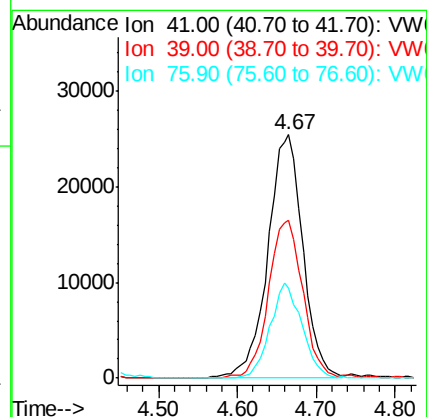
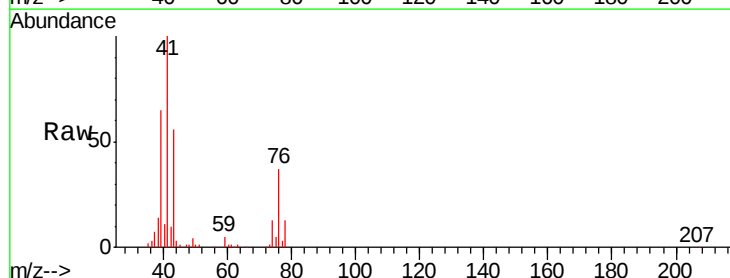
Tgt Ion: 41 Resp: 78321

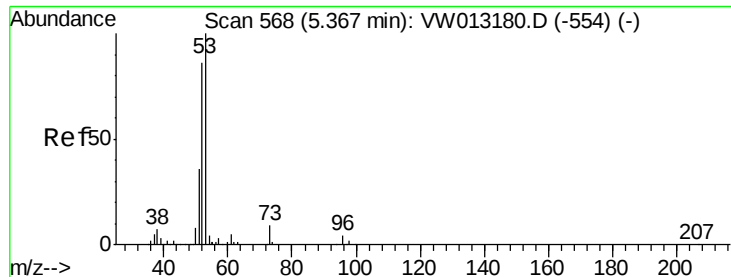
Ion Ratio Lower Upper

41 100

39 63.6 51.0 76.4

76 35.6 28.4 42.6





#15

Acrylonitrile

Concen: 131.749 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

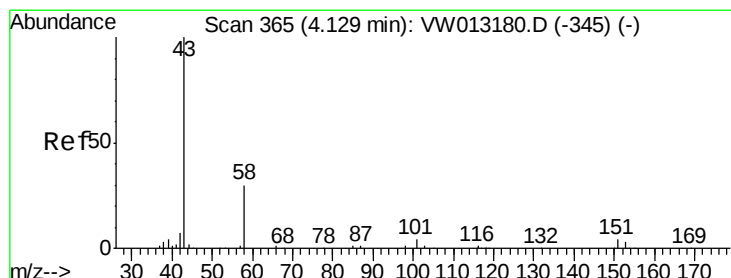
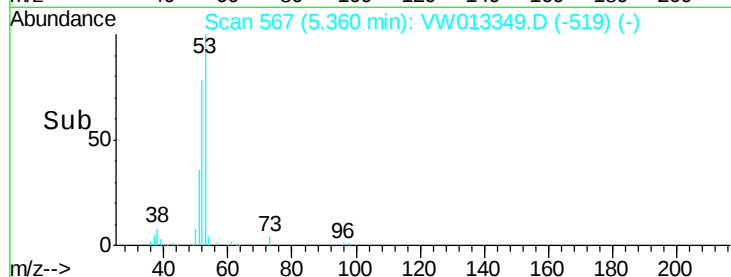
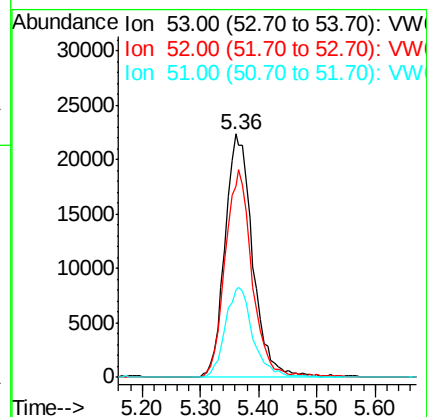
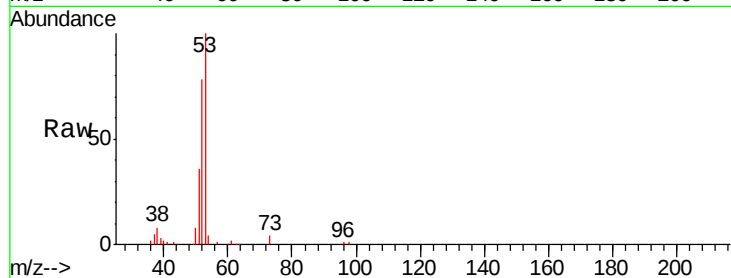
Tgt Ion: 53 Resp: 73701

Ion Ratio Lower Upper

53 100

52 81.6 65.3 97.9

51 36.8 29.0 43.4



#16

Acetone

Concen: 120.058 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW013349.D

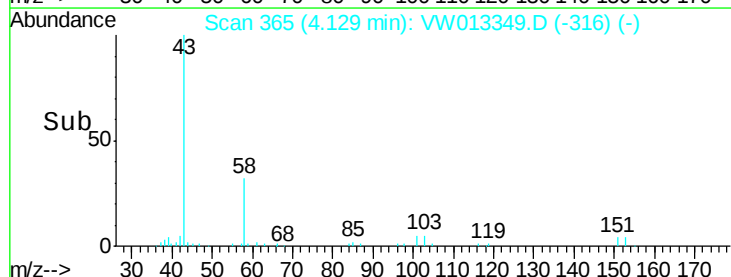
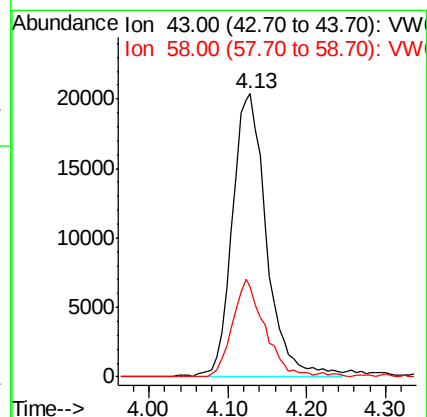
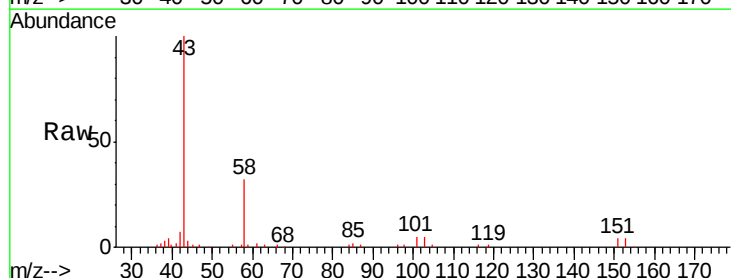
Acq: 30 Sep 2019 23:56

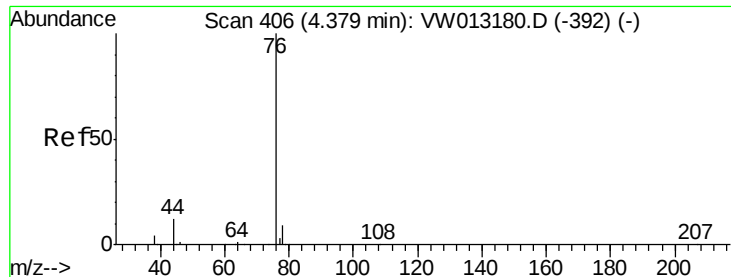
Tgt Ion: 43 Resp: 60825

Ion Ratio Lower Upper

43 100

58 31.8 24.1 36.1

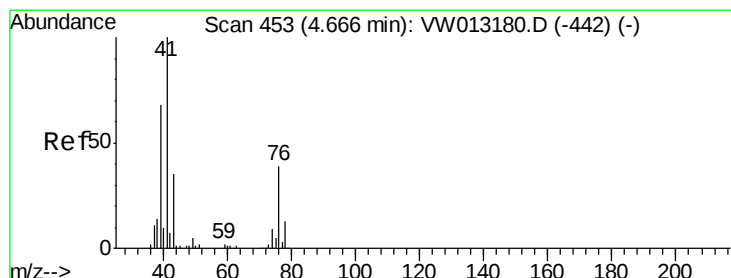
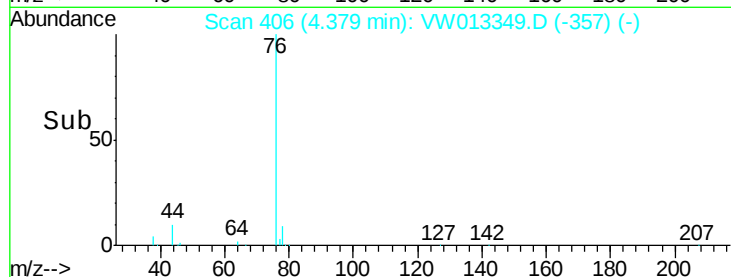
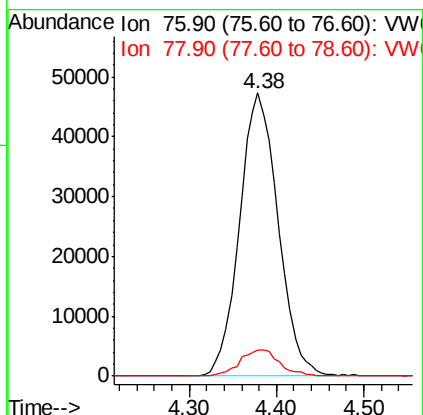
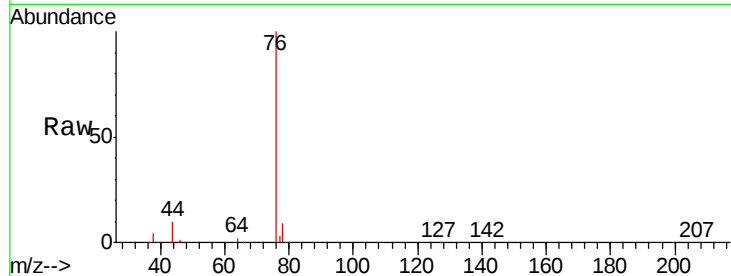




#17
Carbon Disulfide
Concen: 19.568 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

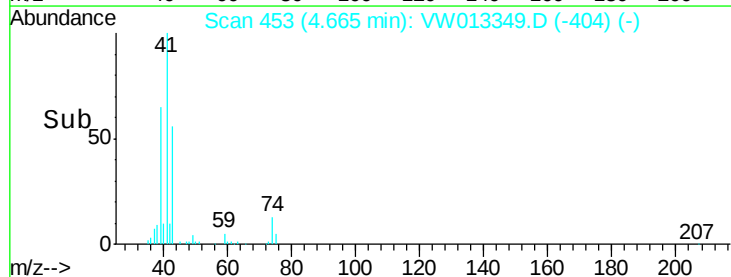
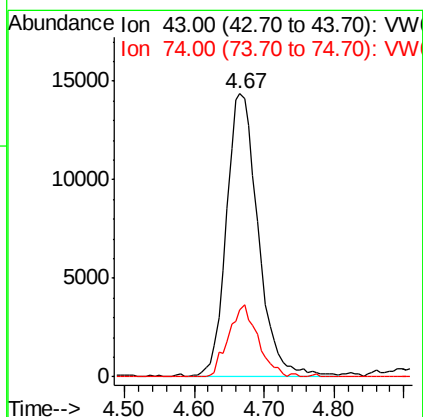
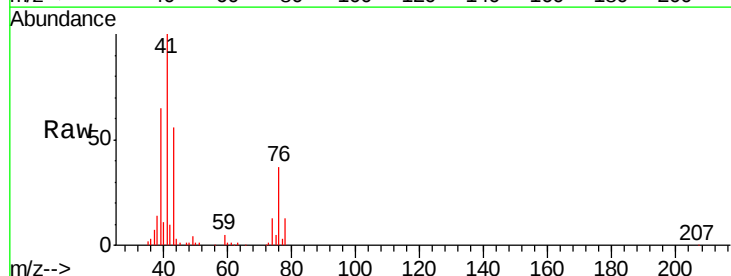
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

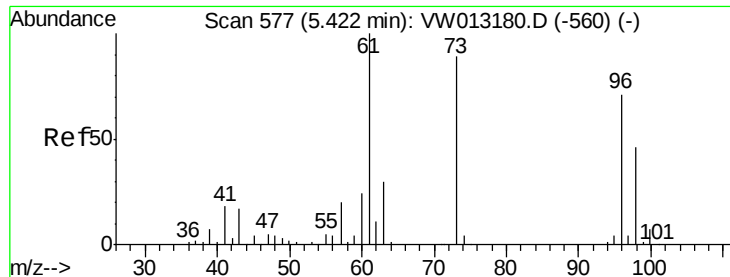
Tgt Ion: 76 Resp: 144683
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4



#18
Methyl Acetate
Concen: 31.930 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion: 43 Resp: 45472
Ion Ratio Lower Upper
43 100
74 23.2 19.3 28.9

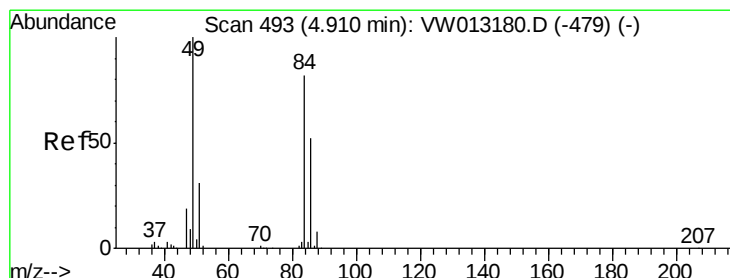
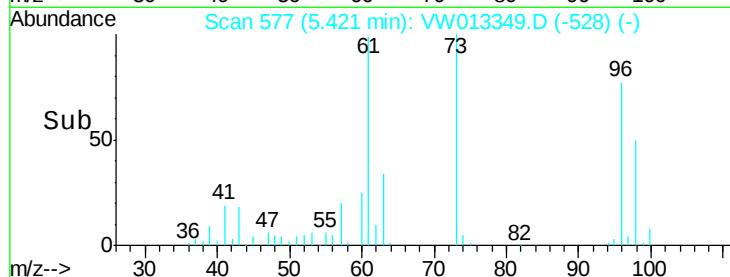
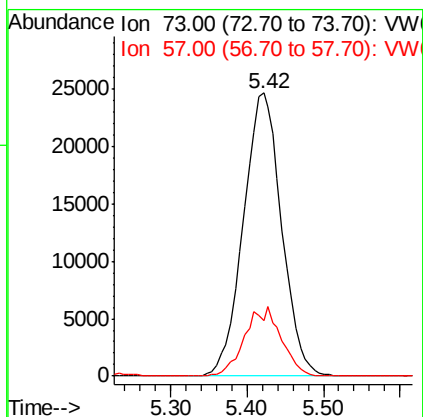
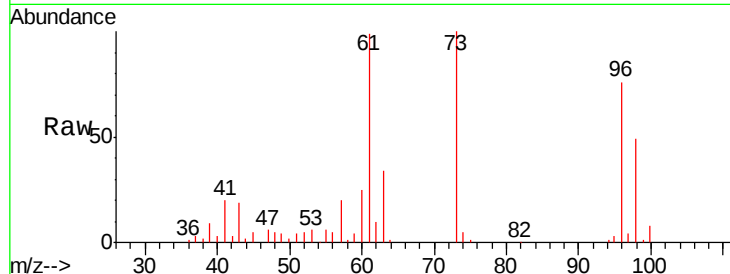




#19
Methyl tert-butyl Ether
Concen: 21.838 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

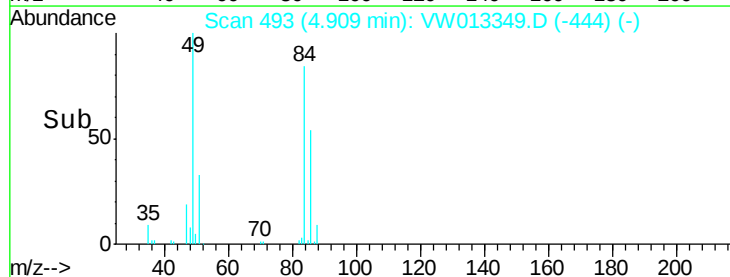
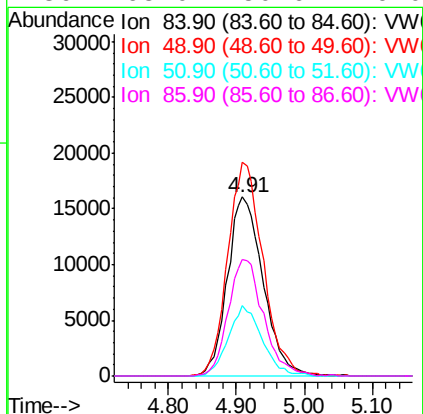
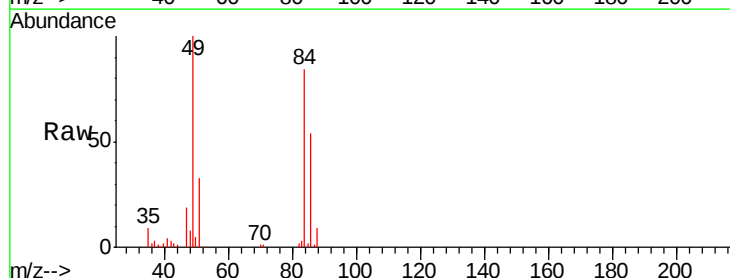
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

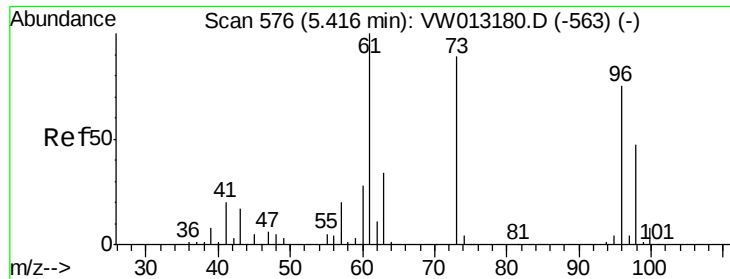
Tgt Ion: 73 Resp: 85620
Ion Ratio Lower Upper
73 100
57 19.8 17.6 26.4



#20
Methylene Chloride
Concen: 20.889 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion: 84 Resp: 58506
Ion Ratio Lower Upper
84 100
49 119.2 97.6 146.4
51 39.3 30.2 45.2
86 65.0 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.128 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

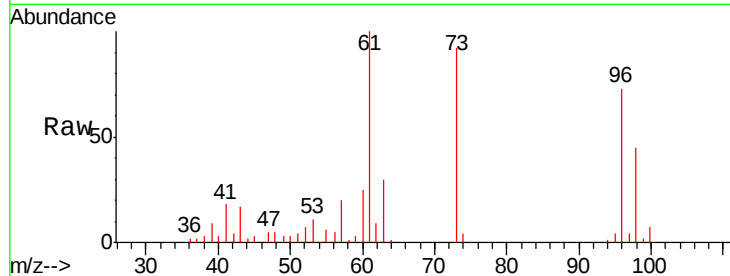
Tgt Ion: 96 Resp: 55651

Ion Ratio Lower Upper

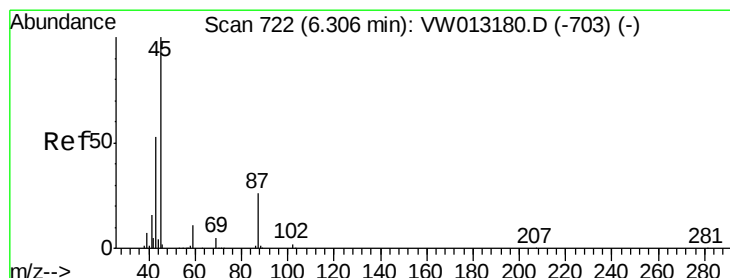
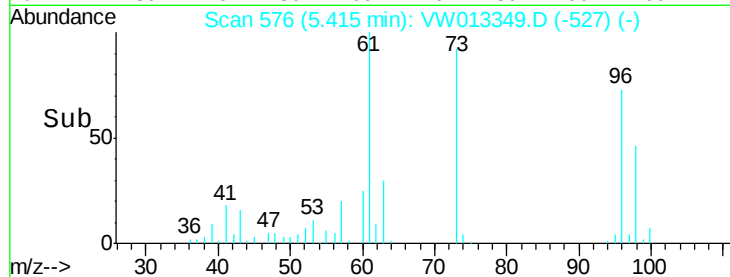
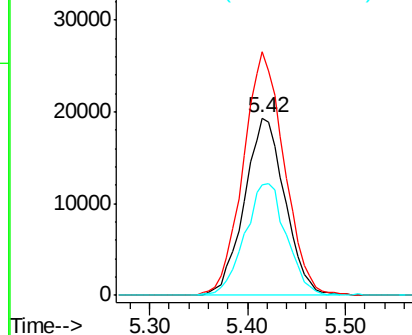
96 100

61 137.1 106.6 159.8

98 62.2 49.8 74.8



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



#22

Diisopropyl ether

Concen: 20.113 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Tgt Ion: 45 Resp: 155713

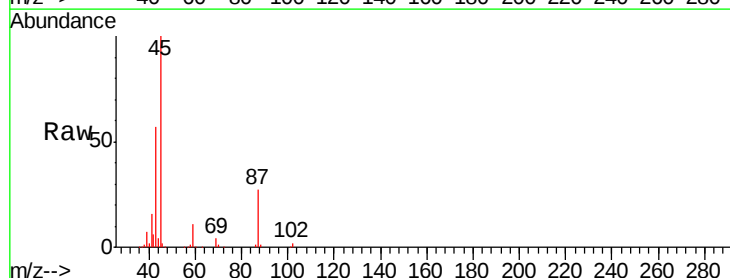
Ion Ratio Lower Upper

45 100

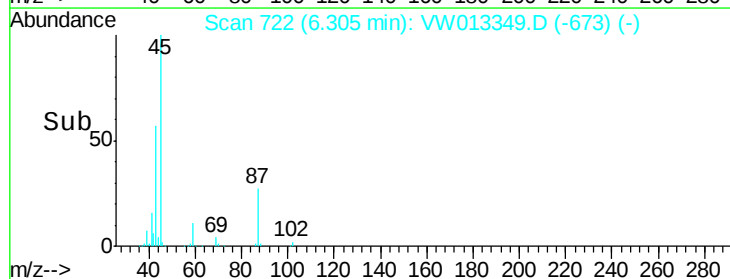
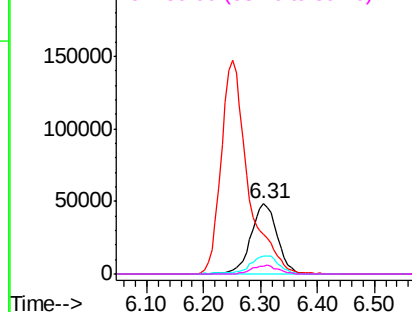
43 56.6 42.4 63.6

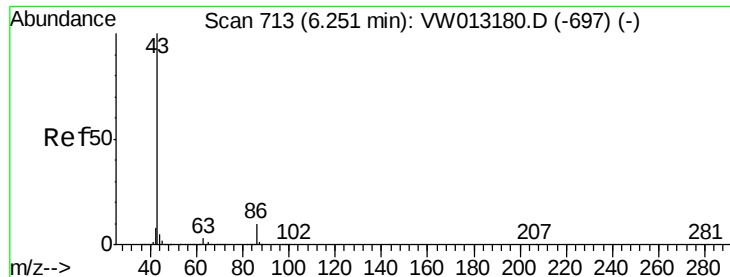
87 26.6 20.4 30.6

59 11.0 8.8 13.2



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





#23

Vinyl Acetate

Concen: 104.958 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

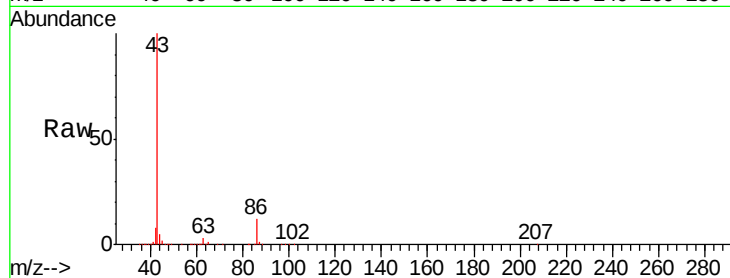
VW0930SBSD01

Tgt Ion: 43 Resp: 482057

Ion Ratio Lower Upper

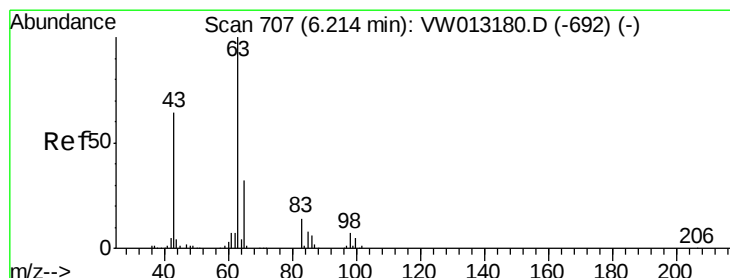
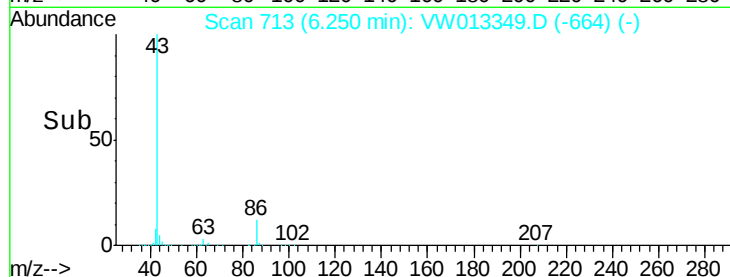
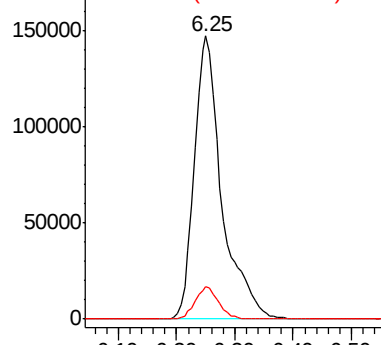
43 100

86 11.5 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.240 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

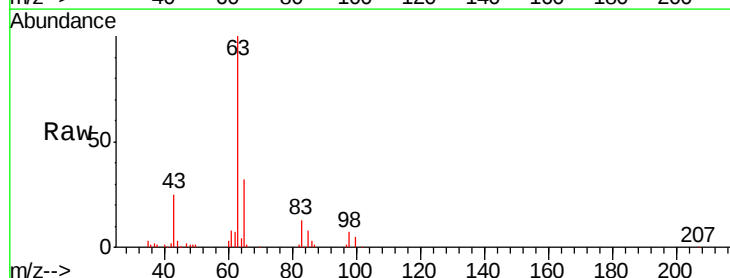
Tgt Ion: 63 Resp: 94555

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

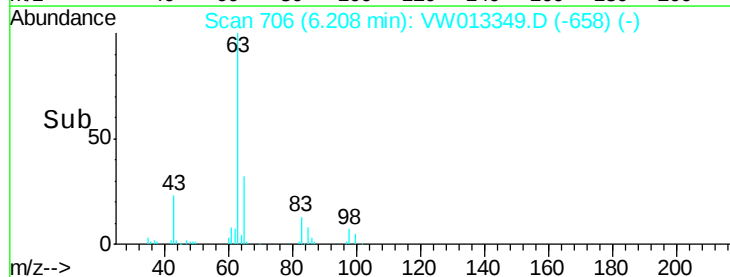
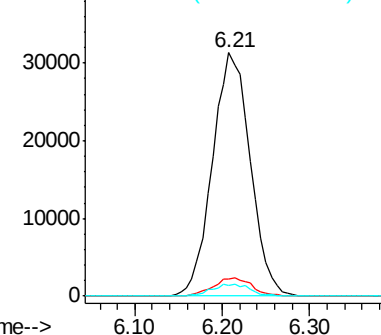
100 4.6 2.4 7.1

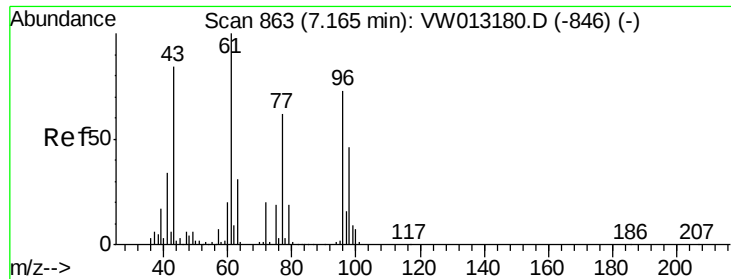


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 125.705 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

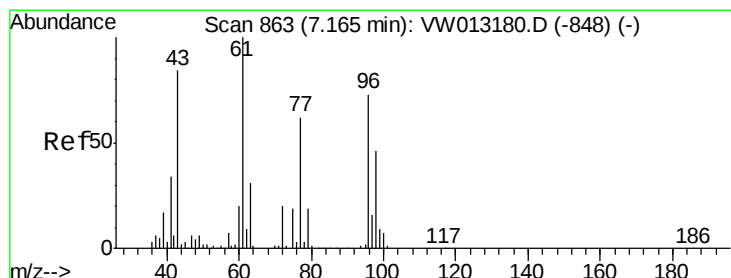
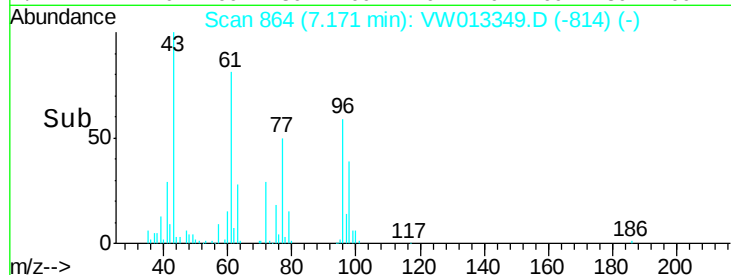
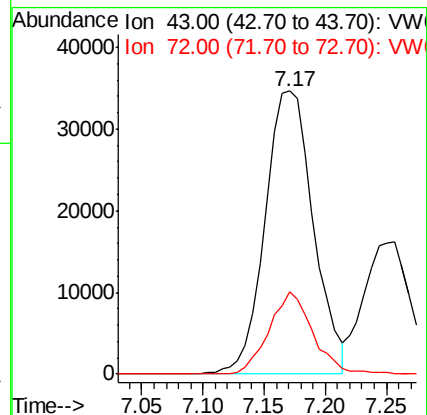
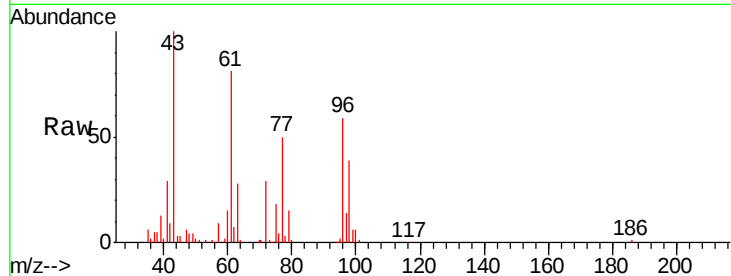
VW0930SBS01

Tgt Ion: 43 Resp: 95603

Ion Ratio Lower Upper

43 100

72 29.2 19.4 29.0#



#26

2,2-Dichloropropane

Concen: 18.222 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013349.D

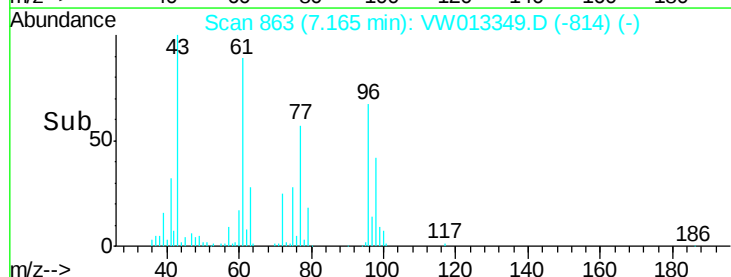
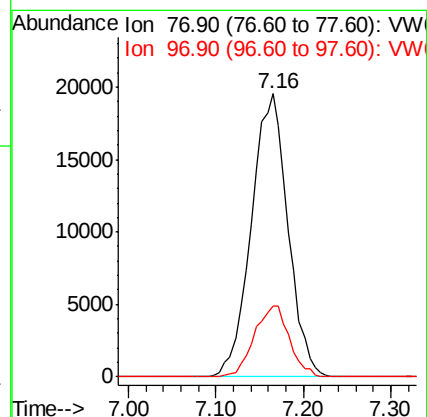
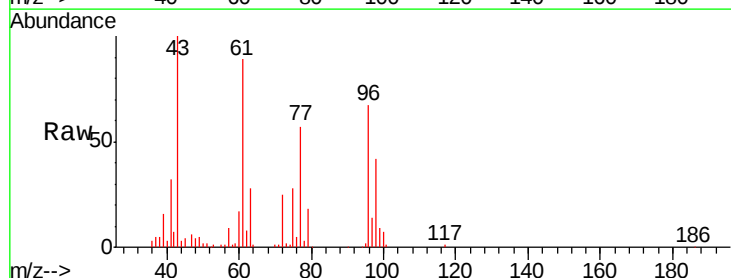
Acq: 30 Sep 2019 23:56

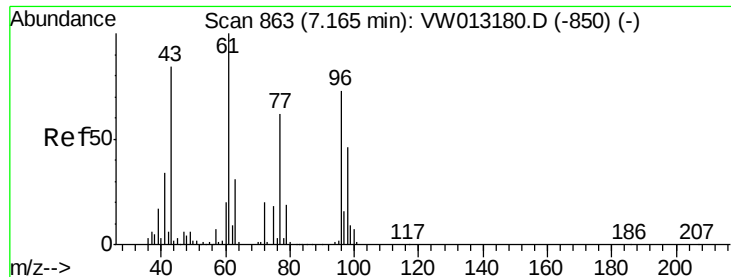
Tgt Ion: 77 Resp: 56853

Ion Ratio Lower Upper

77 100

97 24.2 11.8 35.4



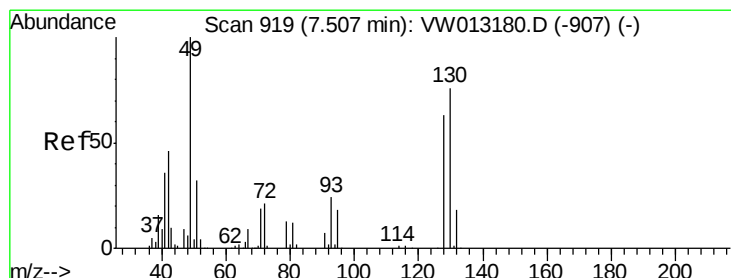
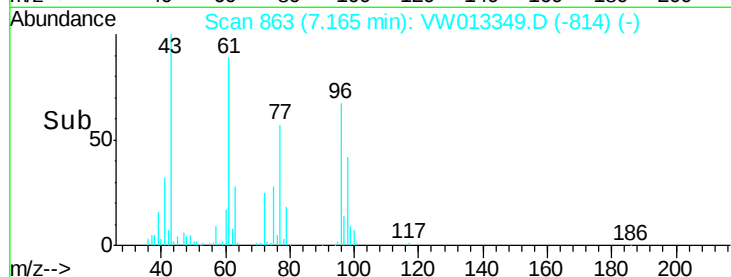
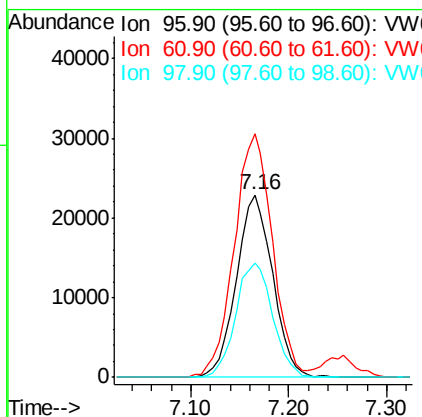
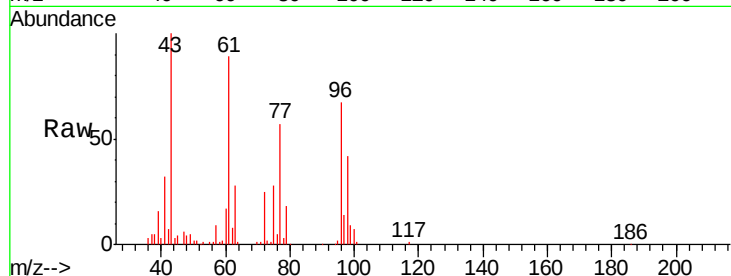


#27

cis-1,2-Dichloroethene
Concen: 20.134 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

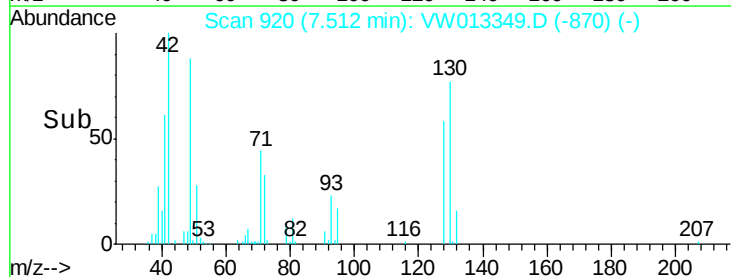
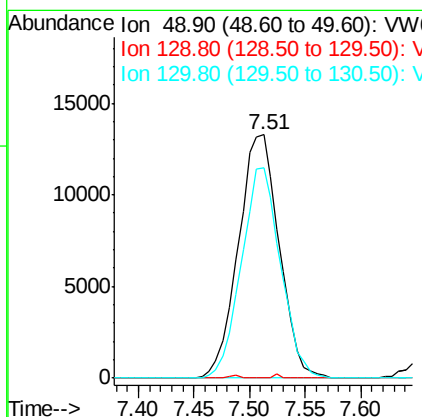
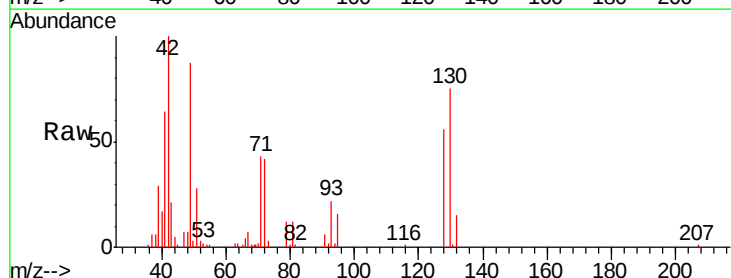
Tgt Ion: 96 Resp: 58748
Ion Ratio Lower Upper
96 100
61 140.8 0.0 282.4
98 64.2 0.0 128.2

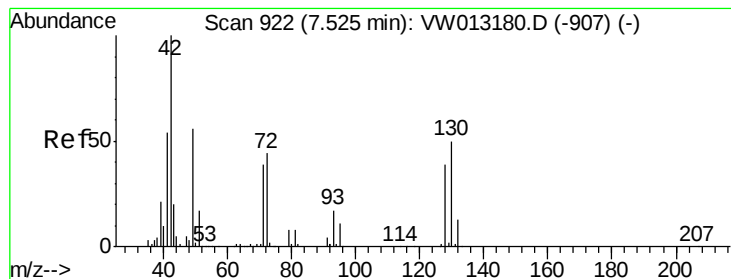


#28

Bromochloromethane
Concen: 18.885 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion: 49 Resp: 33861
Ion Ratio Lower Upper
49 100
129 0.2 0.0 1.0
130 82.8 63.4 95.2





#29

Tetrahydrofuran

Concen: 136.688 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

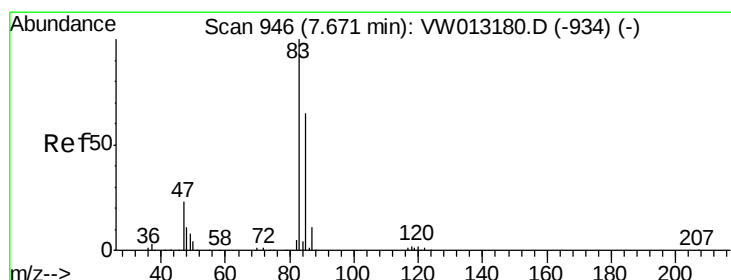
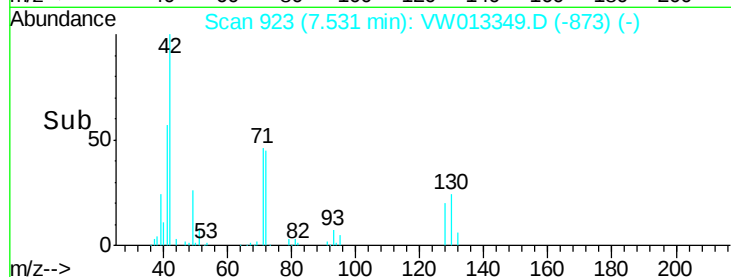
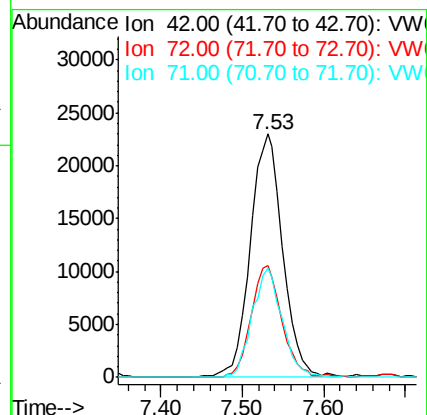
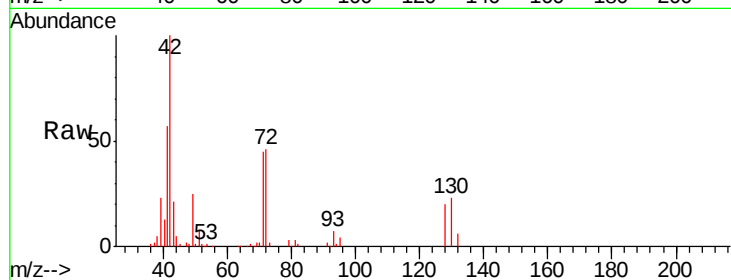
Tgt Ion: 42 Resp: 63753

Ion Ratio Lower Upper

42 100

72 43.2 33.9 50.9

71 41.7 31.9 47.9



#30

Chloroform

Concen: 20.282 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW013349.D

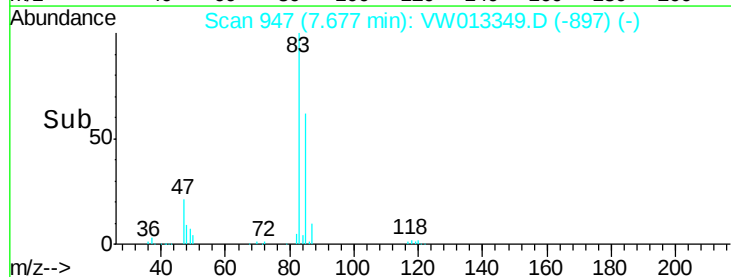
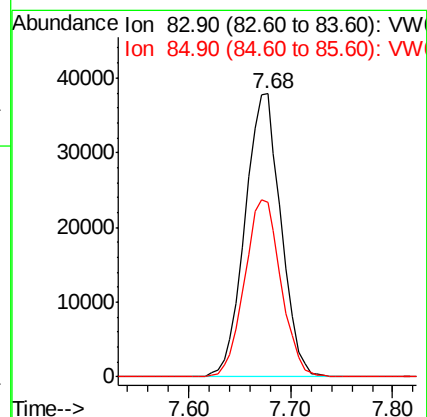
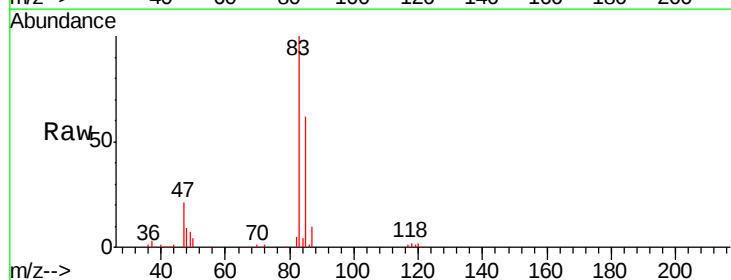
Acq: 30 Sep 2019 23:56

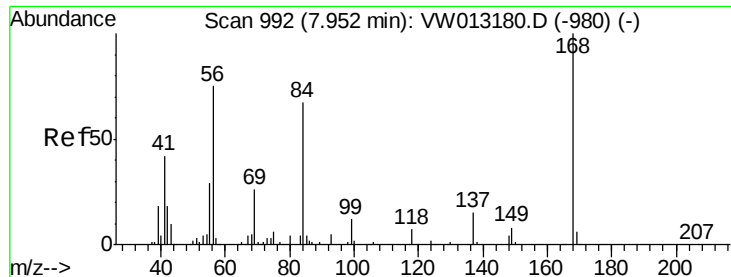
Tgt Ion: 83 Resp: 92764

Ion Ratio Lower Upper

83 100

85 61.9 52.3 78.5





#31

Cyclohexane

Concen: 21.046 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleID :

VW0930SBSD01

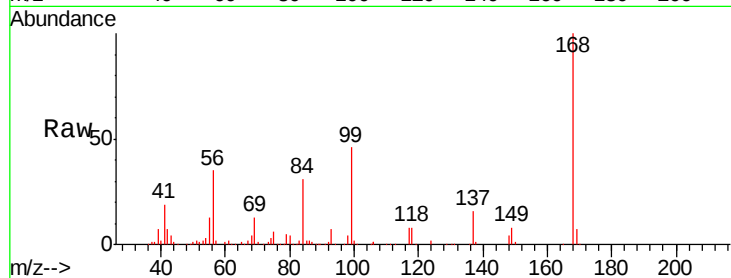
Tgt Ion: 56 Resp: 102487

Ion Ratio Lower Upper

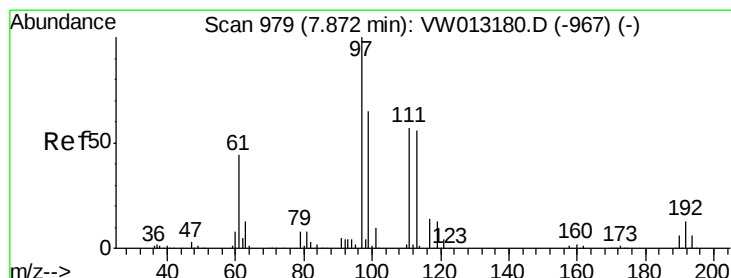
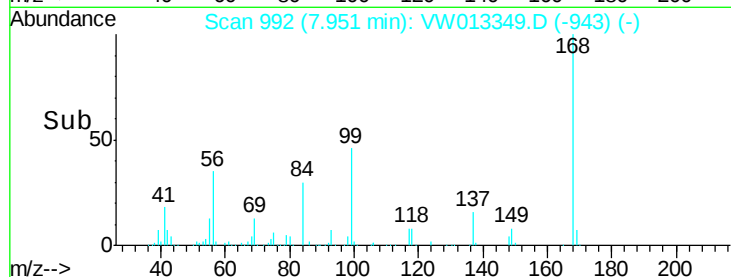
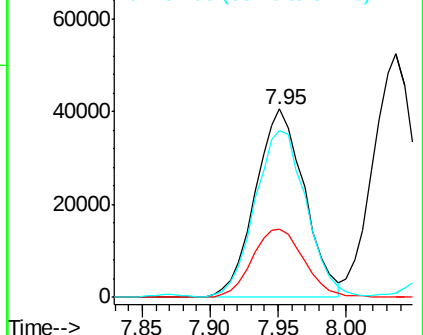
56 100

69 36.4 27.2 40.8

84 87.8 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 20.861 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

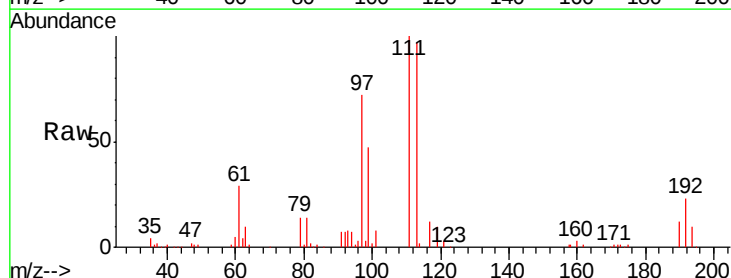
Tgt Ion: 97 Resp: 77276

Ion Ratio Lower Upper

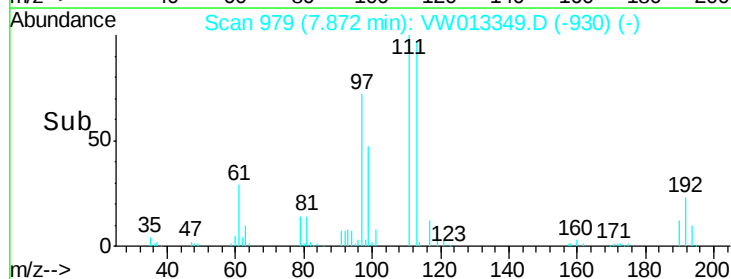
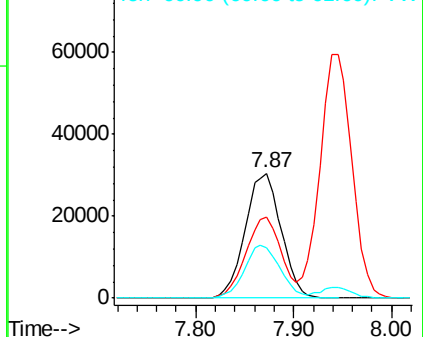
97 100

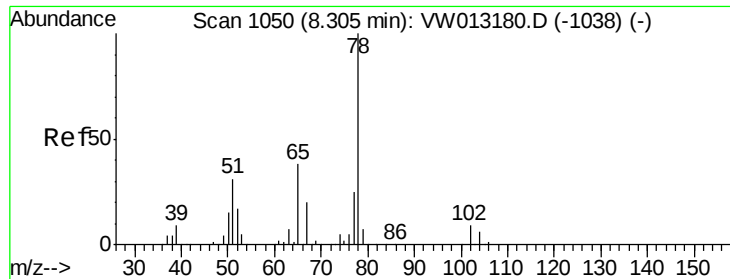
99 64.5 51.7 77.5

61 42.4 34.6 51.8



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

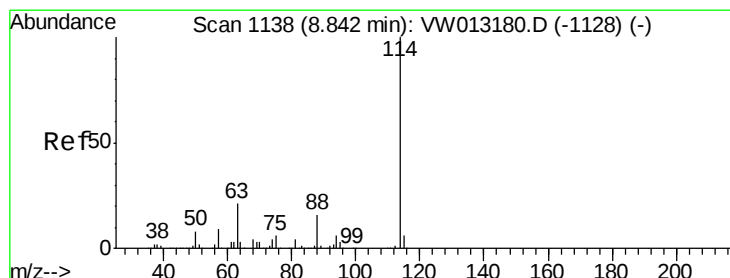
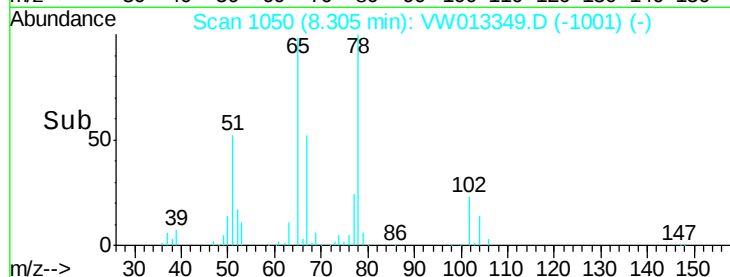
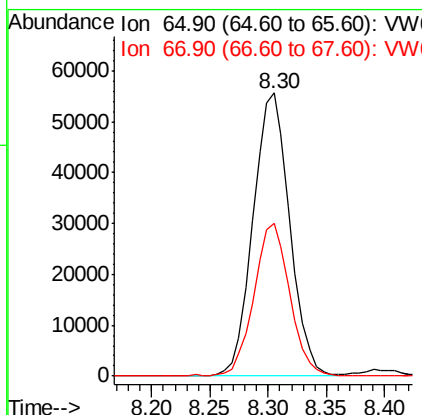
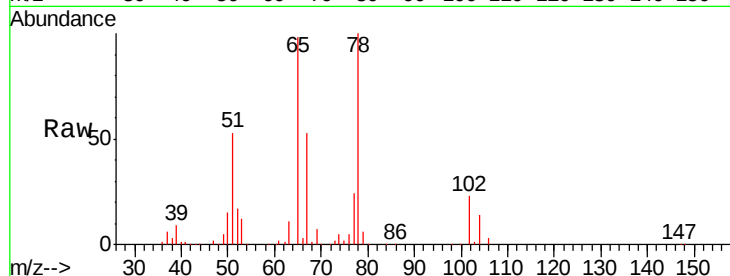




#33
 1,2-Dichloroethane-d4
 Concen: 54.168 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

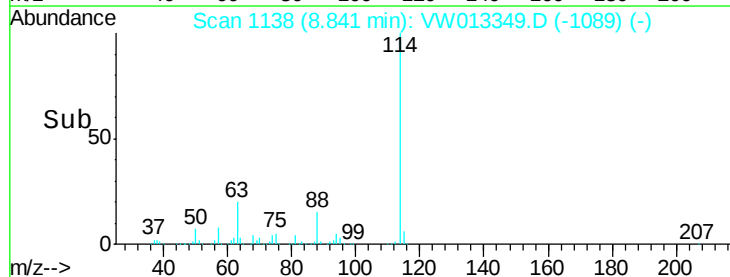
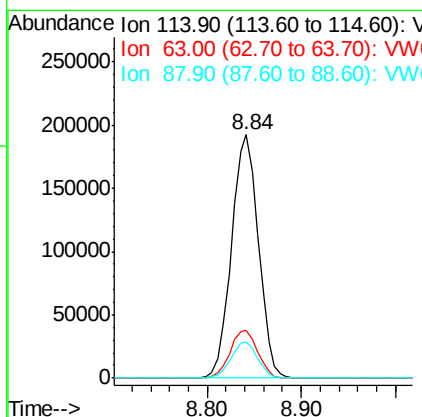
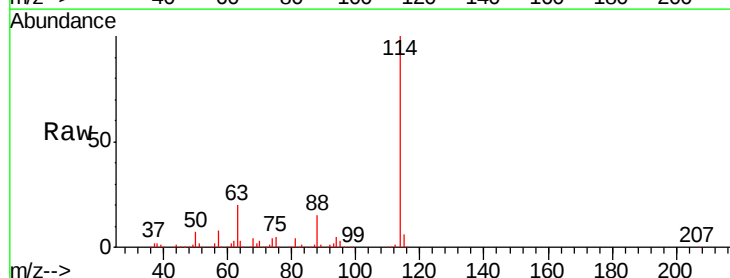
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

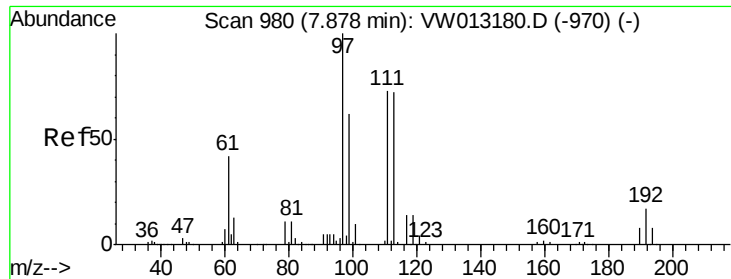
Tgt Ion: 65 Resp: 121693
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion: 114 Resp: 381096
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.2 0.0 32.0

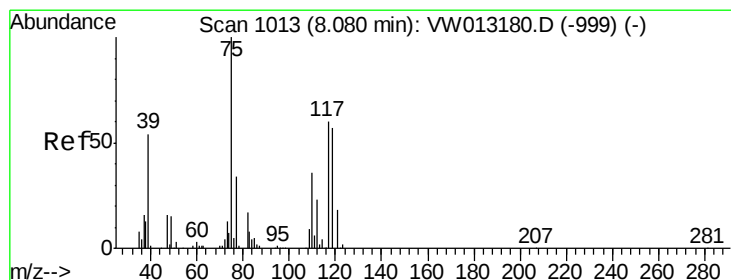
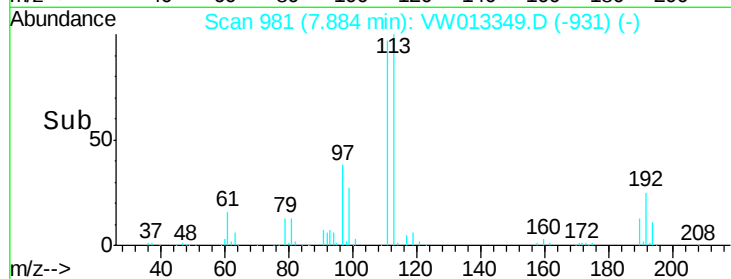
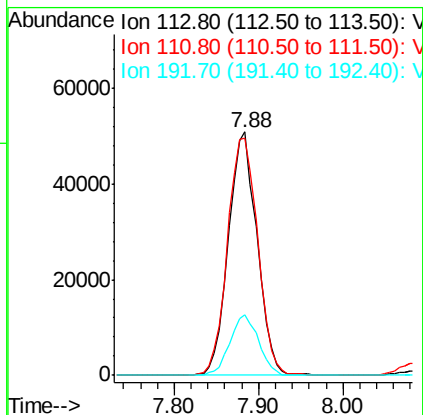
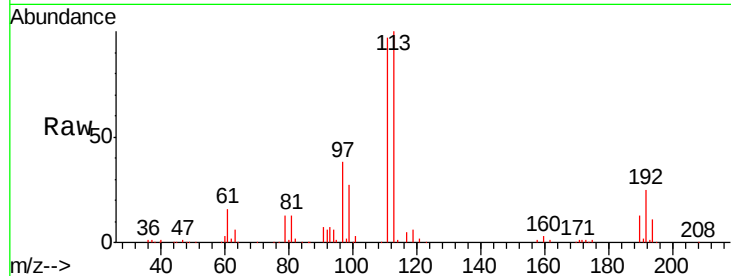




#35
 Dibromofluoromethane
 Concen: 55.977 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

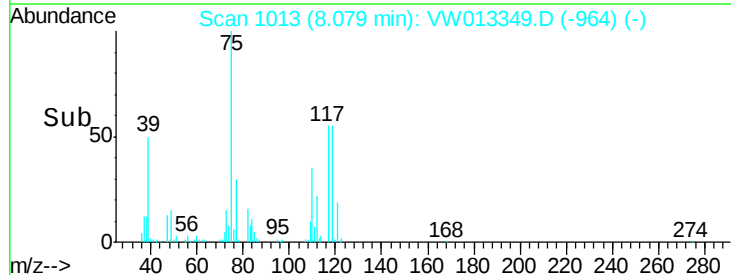
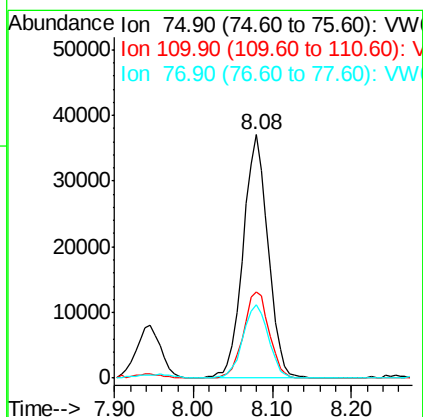
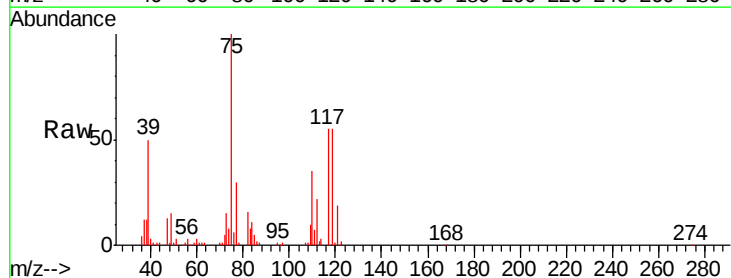
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

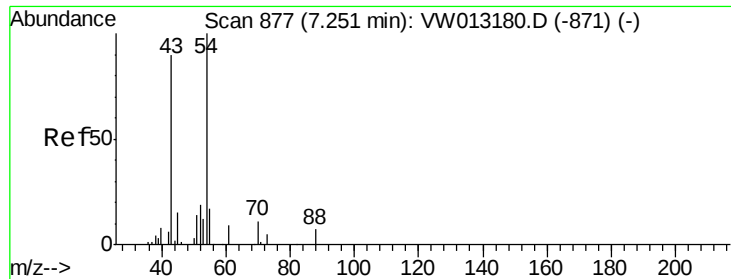
Tgt Ion: 113 Resp: 117329
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.9 122.9
 192 24.7 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 22.101 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion: 75 Resp: 81577
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.1 54.3
 77 31.2 25.8 38.6

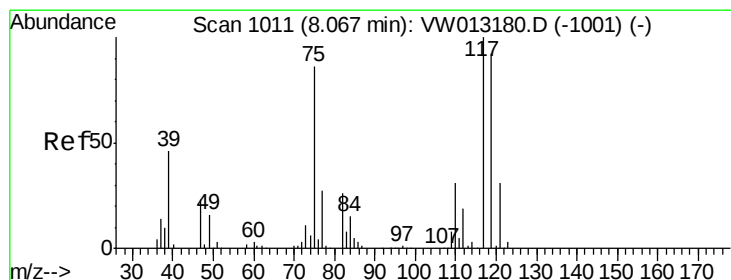
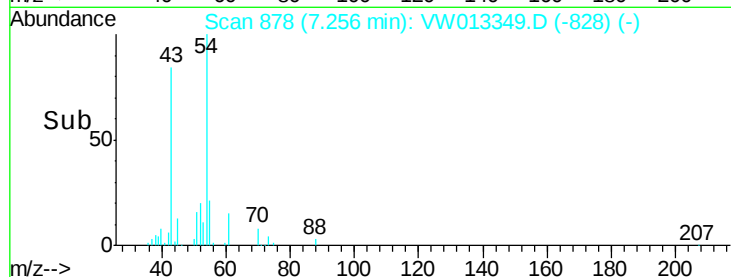
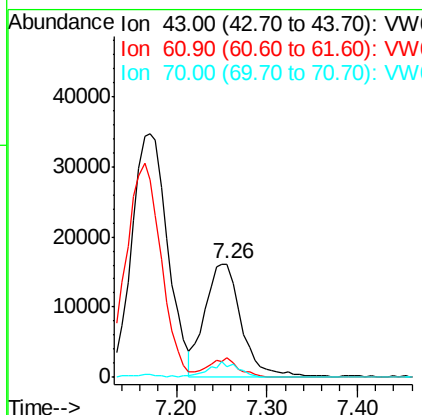
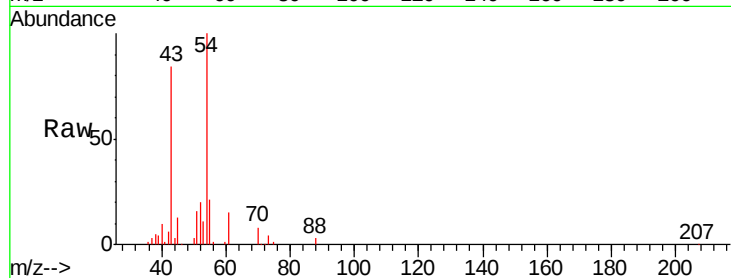




#37
 Ethyl Acetate
 Concen: 29.018 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.01 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

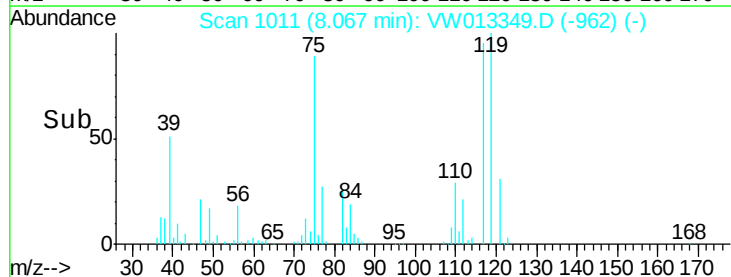
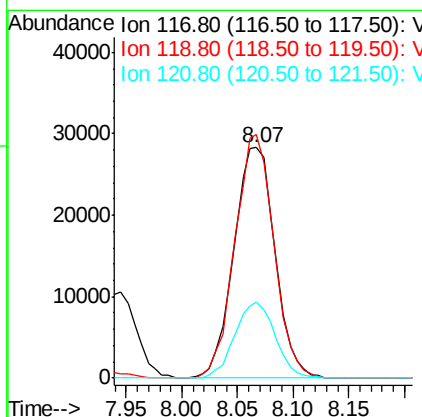
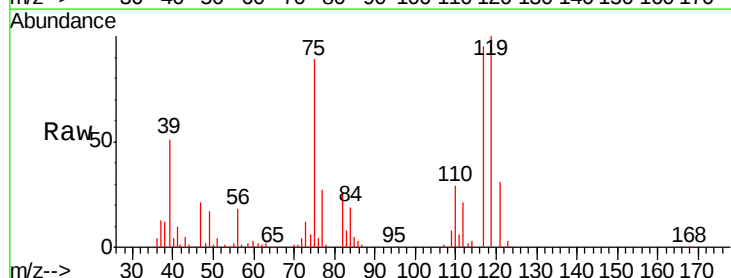
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

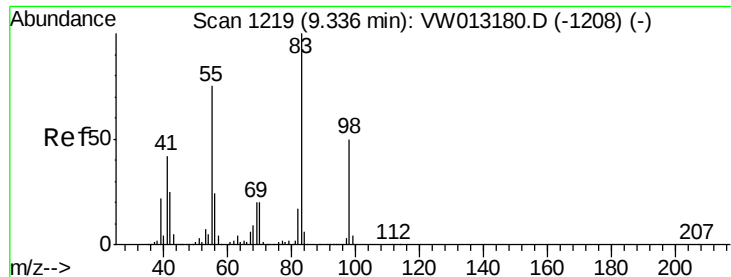
Tgt Ion: 43 Resp: 45523
 Ion Ratio Lower Upper
 43 100
 61 14.1 10.9 16.3
 70 11.3 8.2 12.2



#38
 Carbon Tetrachloride
 Concen: 21.934 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion: 117 Resp: 72578
 Ion Ratio Lower Upper
 117 100
 119 105.6 73.5 110.3
 121 33.0 25.0 37.6

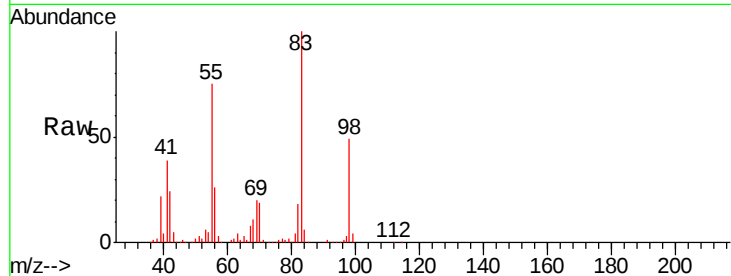




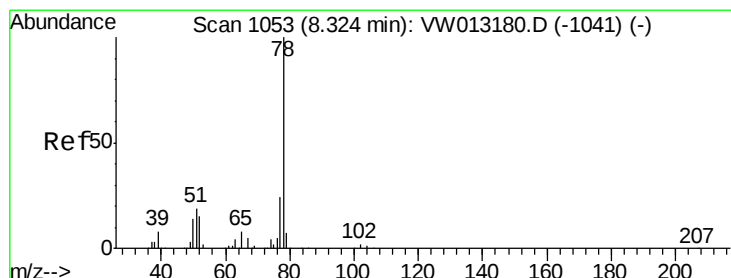
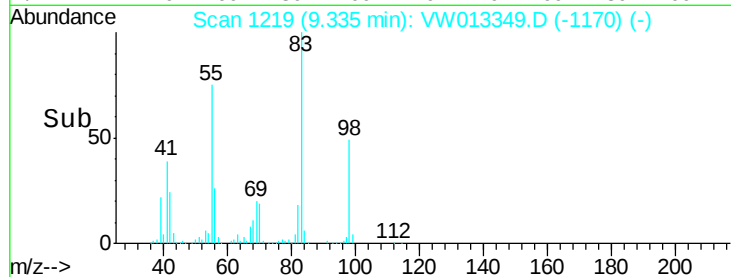
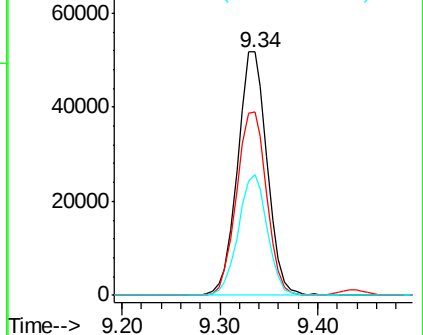
#39
Methylcyclohexane
Concen: 22.837 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tgt Ion: 83 Resp: 108327
Ion Ratio Lower Upper
83 100
55 75.4 60.4 90.6
98 49.3 40.0 60.0

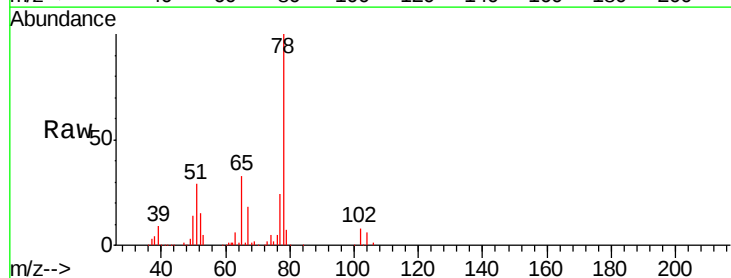


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

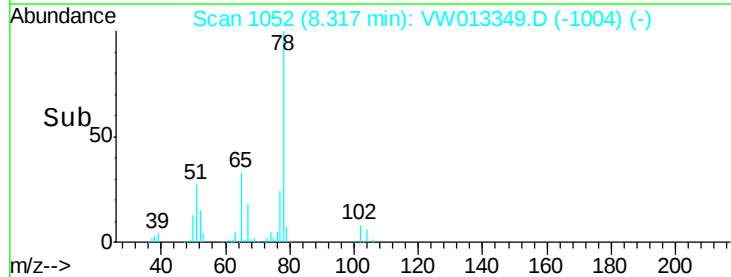
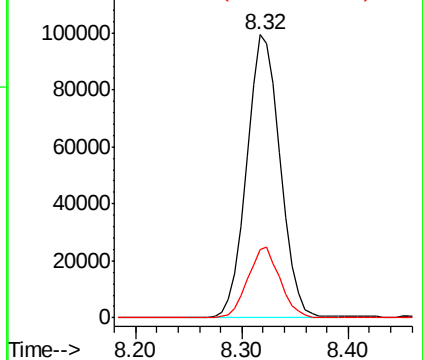


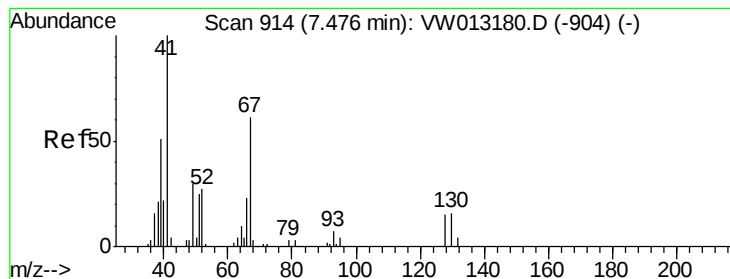
#40
Benzene
Concen: 21.345 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion: 78 Resp: 219763
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7



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





#41

Methacrylonitrile

Concen: 22.761 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

Tgt Ion: 41 Resp: 21311

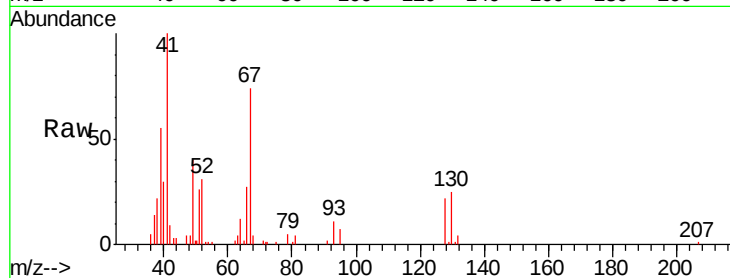
Ion Ratio Lower Upper

41 100

39 57.1 45.9 68.9

67 83.5 54.5 81.7#

52 32.2 22.5 33.7

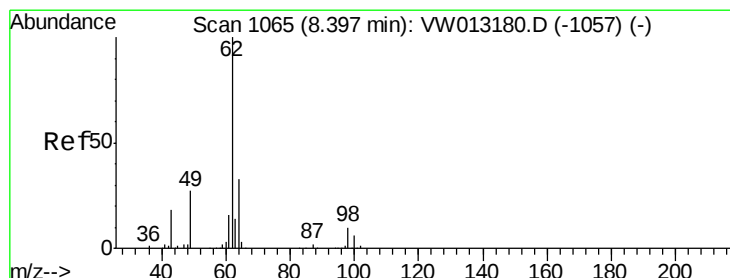
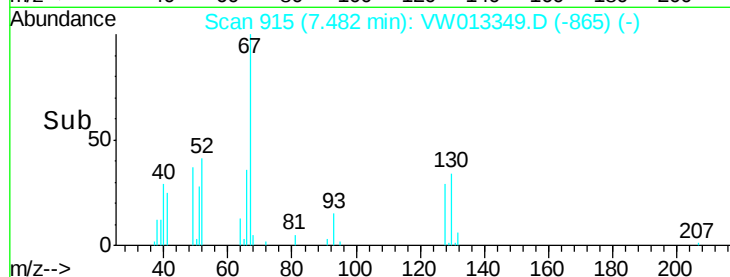
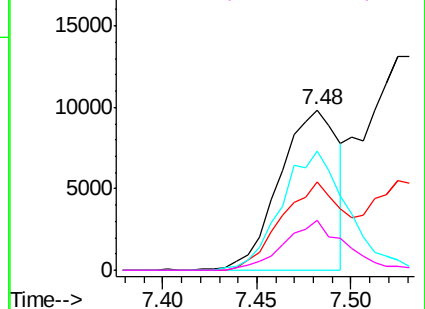


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 21.735 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013349.D

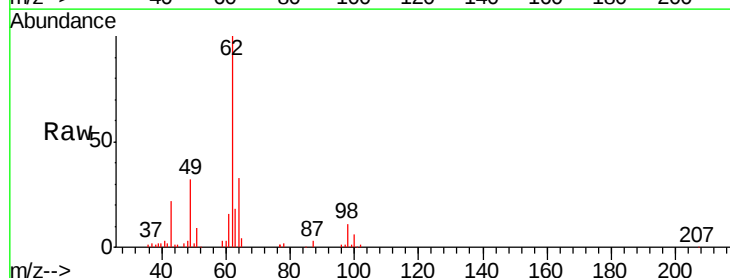
Acq: 30 Sep 2019 23:56

Tgt Ion: 62 Resp: 60155

Ion Ratio Lower Upper

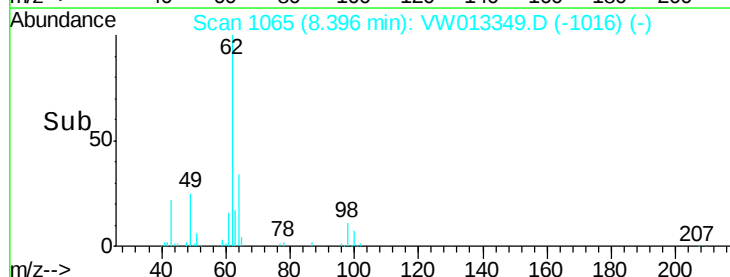
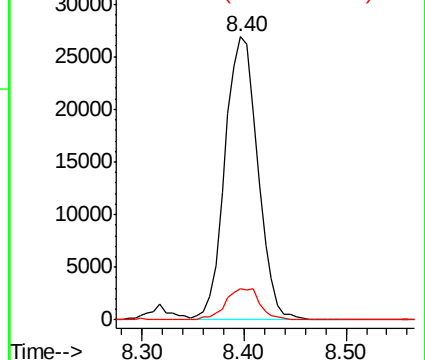
62 100

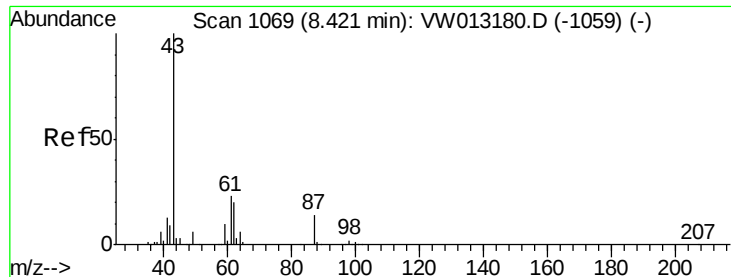
98 11.4 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 25.024 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

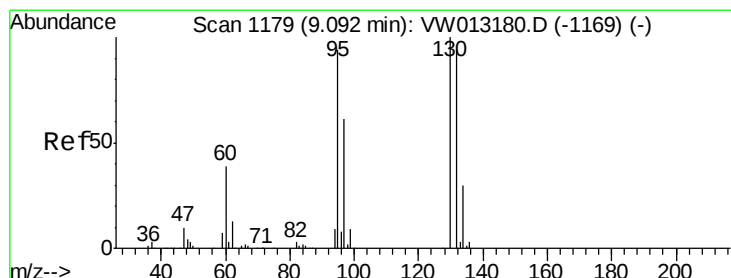
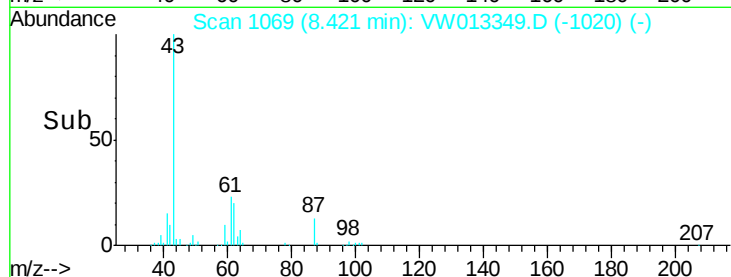
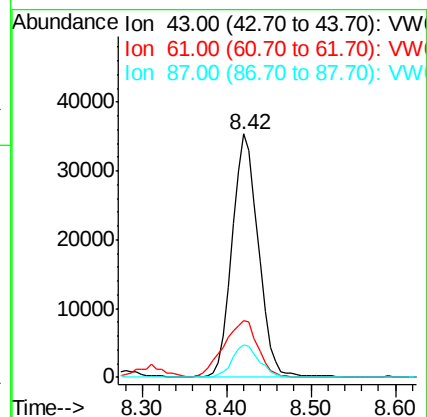
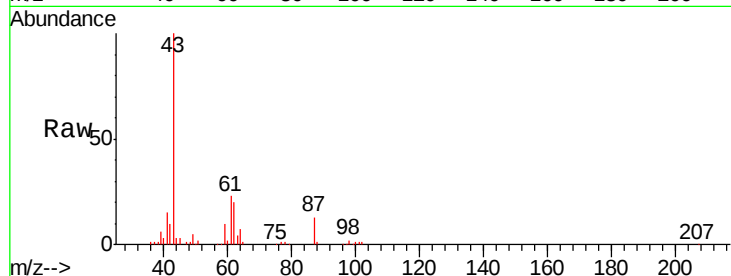
Tgt Ion: 43 Resp: 75239

Ion Ratio Lower Upper

43 100

61 30.7 25.5 38.3

87 13.7 11.0 16.4



#44

Trichloroethene

Concen: 22.119 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013349.D

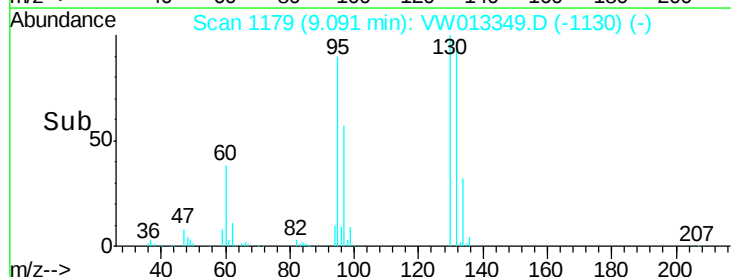
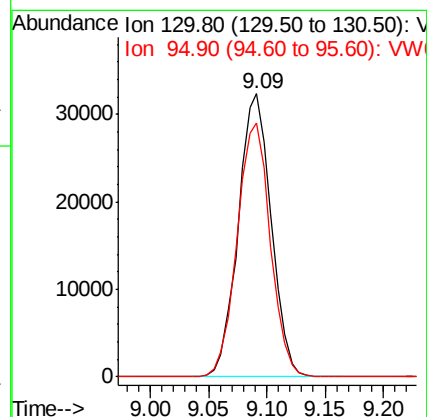
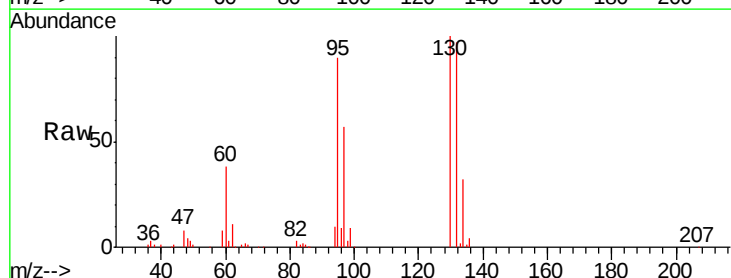
Acq: 30 Sep 2019 23:56

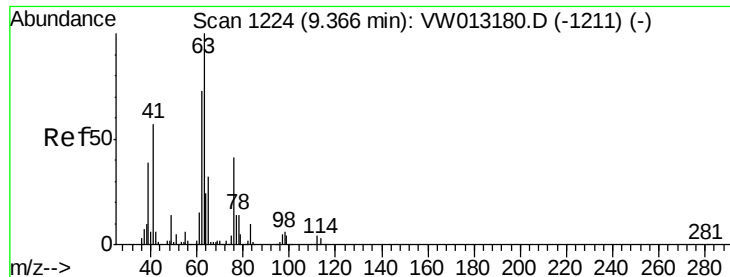
Tgt Ion: 130 Resp: 63894

Ion Ratio Lower Upper

130 100

95 89.7 0.0 188.0





#45

1,2-Dichloropropane

Concen: 20.992 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

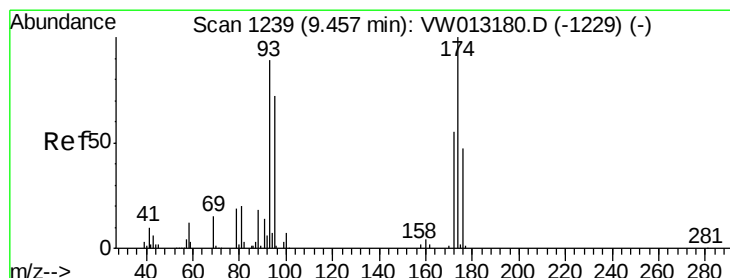
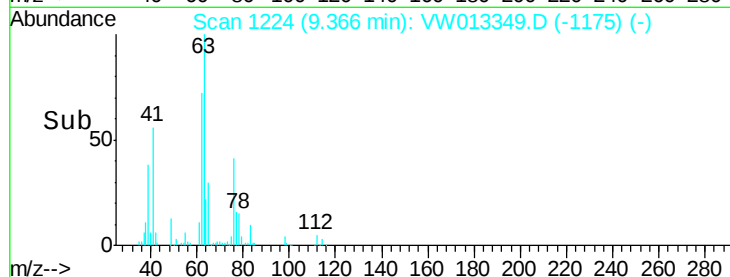
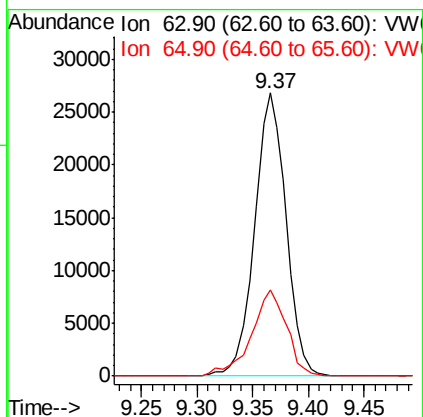
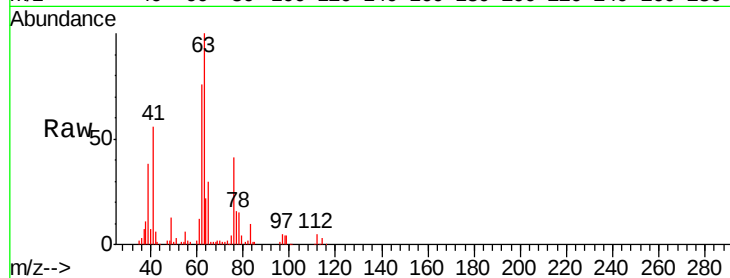
VW0930SBSD01

Tgt Ion: 63 Resp: 52766

Ion Ratio Lower Upper

63 100

65 30.4 25.3 37.9



#46

Dibromomethane

Concen: 23.268 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

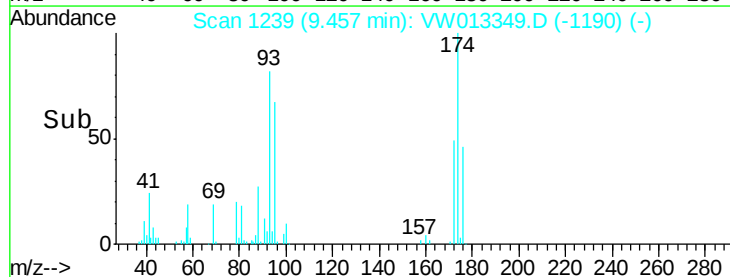
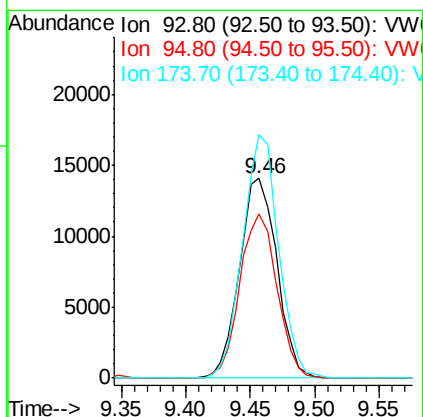
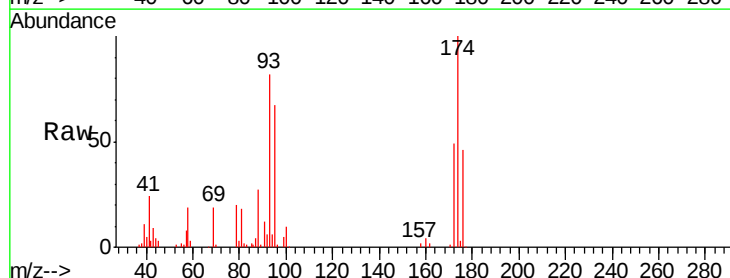
Tgt Ion: 93 Resp: 28396

Ion Ratio Lower Upper

93 100

95 81.4 66.4 99.6

174 116.6 93.0 139.6

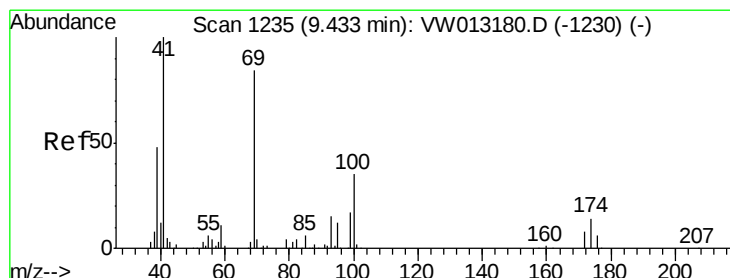
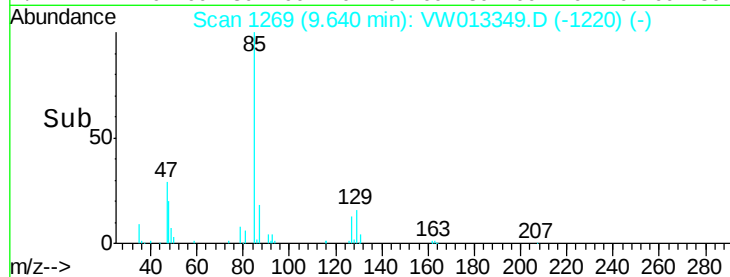
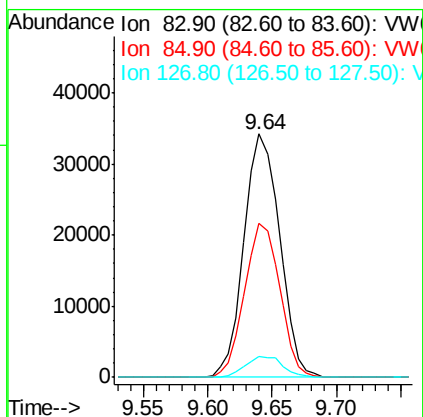
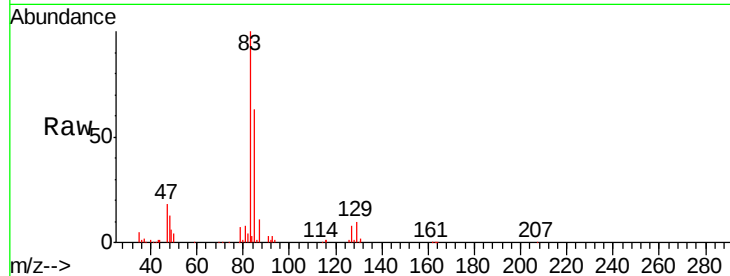




#47
 Bromodichloromethane
 Concen: 21.217 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

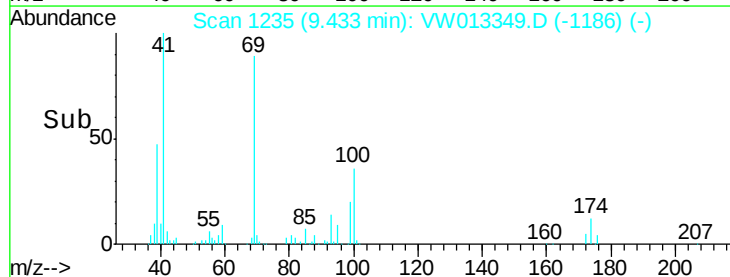
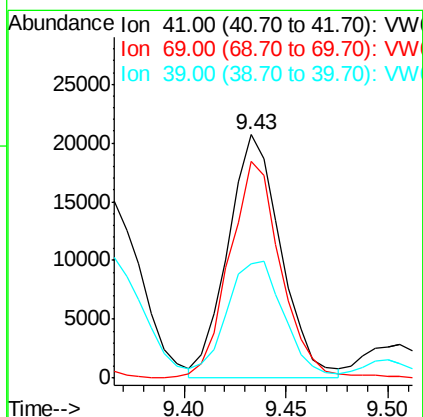
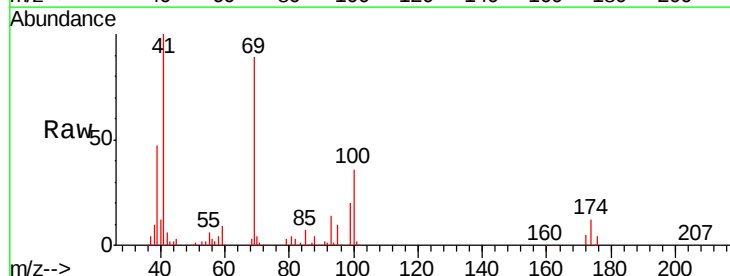
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

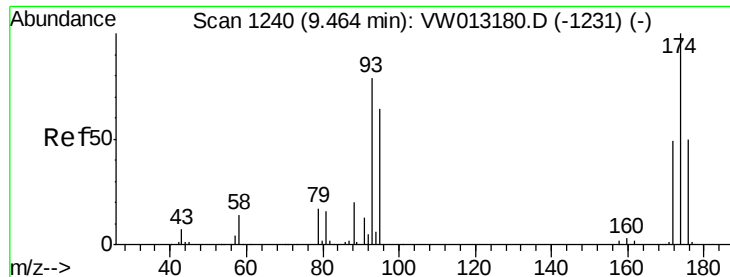
Tgt Ion: 83 Resp: 65883
 Ion Ratio Lower Upper
 83 100
 85 63.1 49.4 74.2
 127 8.5 6.5 9.7



#48
 Methyl methacrylate
 Concen: 26.436 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion: 41 Resp: 37375
 Ion Ratio Lower Upper
 41 100
 69 87.1 69.7 104.5
 39 47.7 41.1 61.7





#49

1,4-Dioxane

Concen: 645.413 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

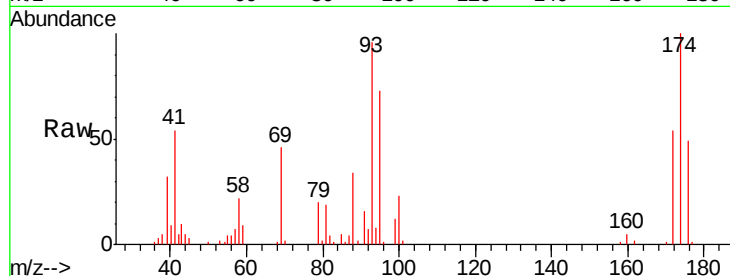
Tgt Ion: 88 Resp: 11823

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

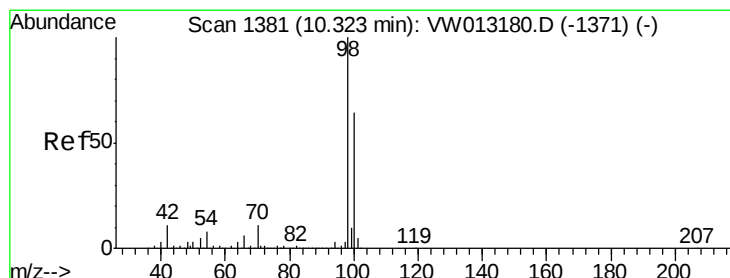
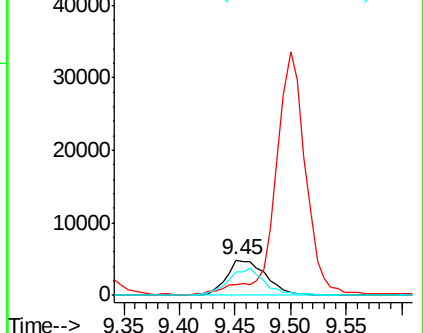
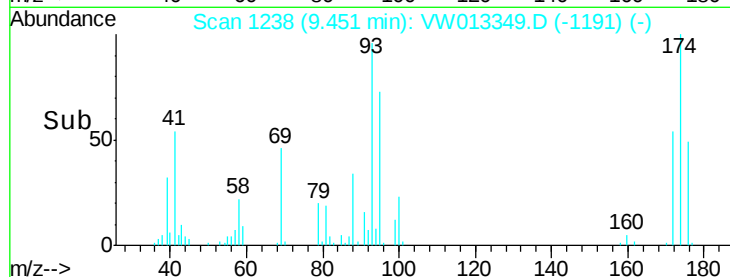
58 72.5 65.4 98.0



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: 55.753 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013349.D

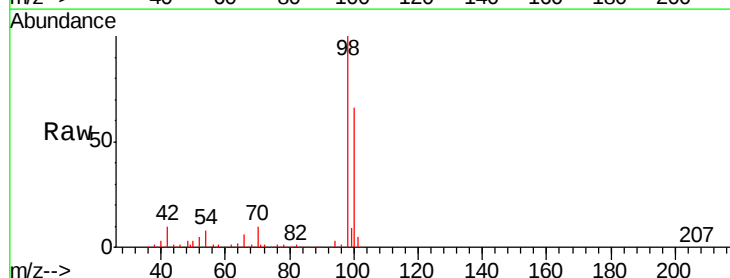
Acq: 30 Sep 2019 23:56

Tgt Ion: 98 Resp: 489070

Ion Ratio Lower Upper

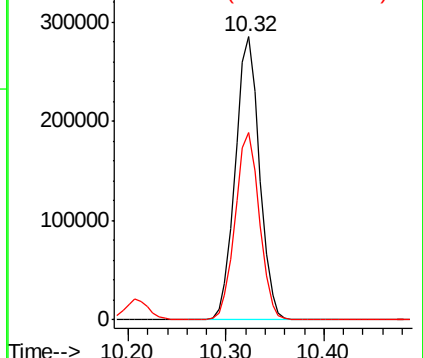
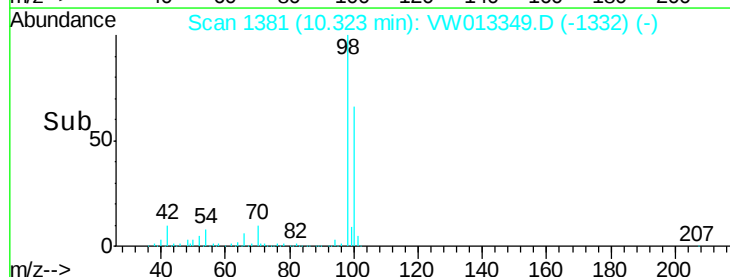
98 100

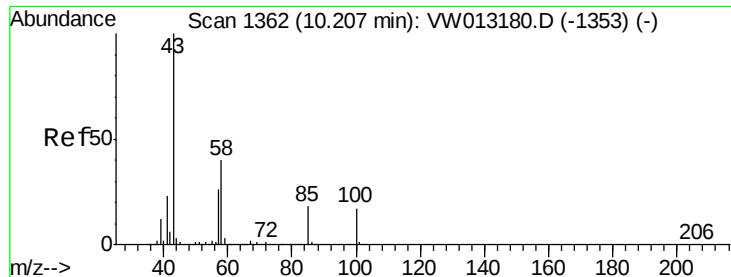
100 66.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

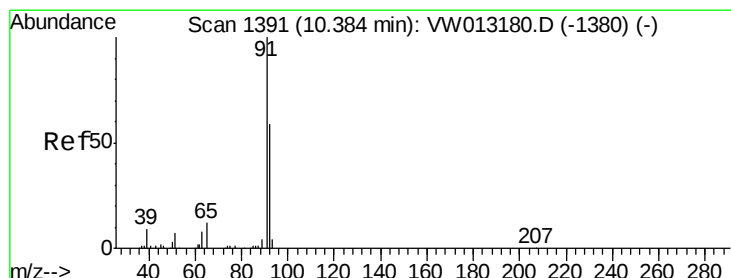
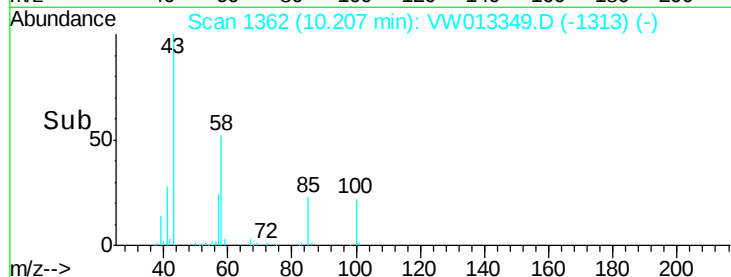
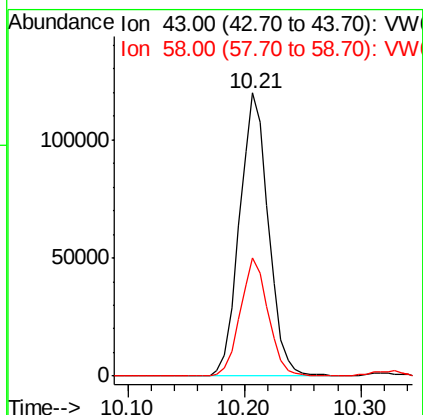
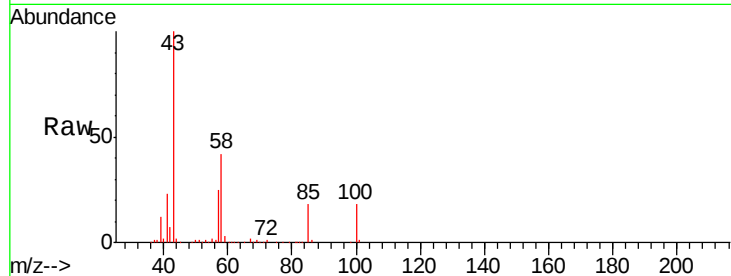




#51
 4-Methyl-2-Pentanone
 Concen: 137.242 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

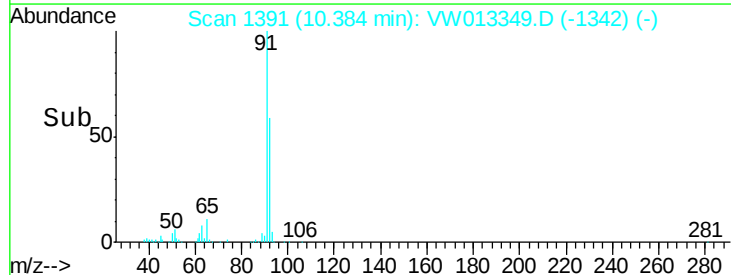
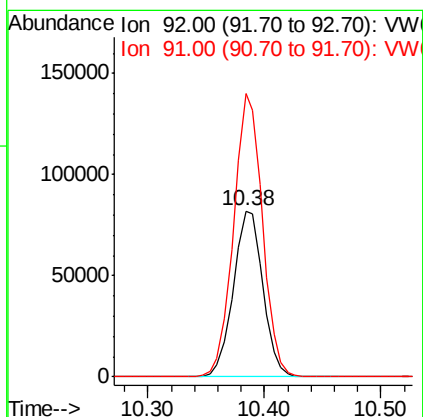
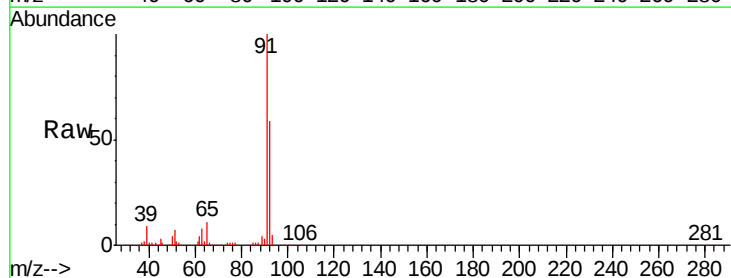
Instrument :
 MSVOA_W
 ClientSampled :
 VW0930SBSD01

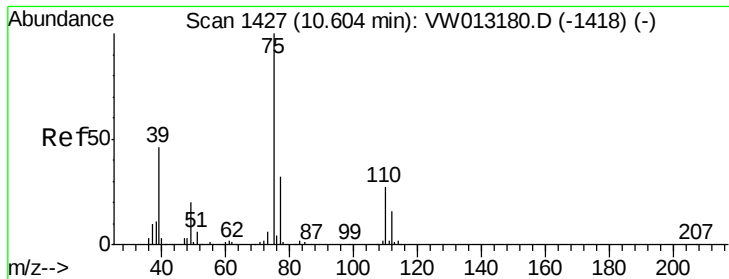
Tgt Ion: 43 Resp: 206865
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.7 47.5



#52
 Toluene
 Concen: 21.945 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion: 92 Resp: 144802
 Ion Ratio Lower Upper
 92 100
 91 166.7 135.7 203.5

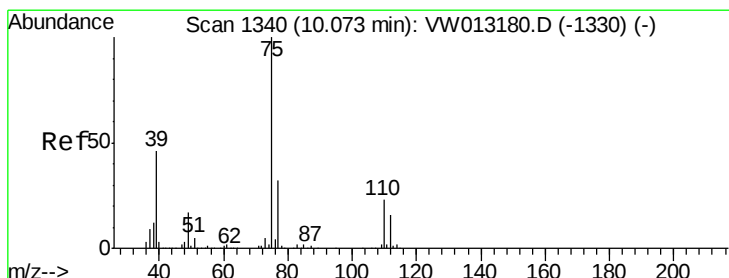
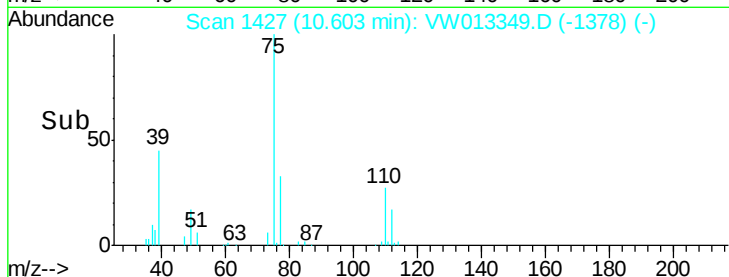
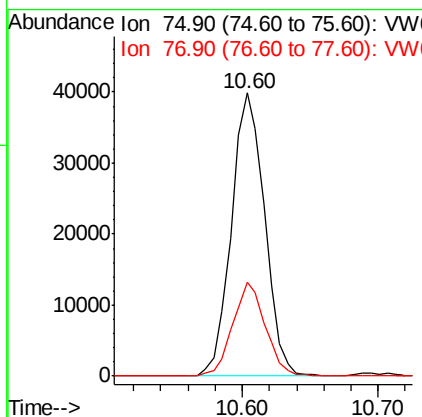
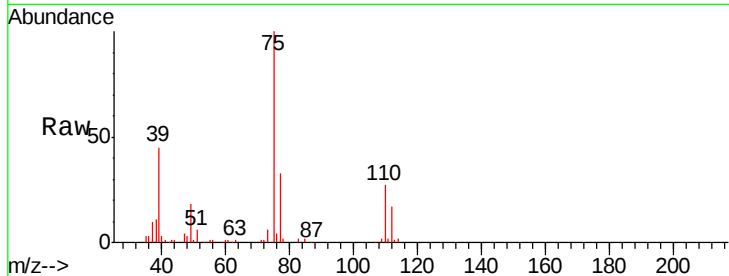




#53
t-1,3-Dichloropropene
Concen: 21.227 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

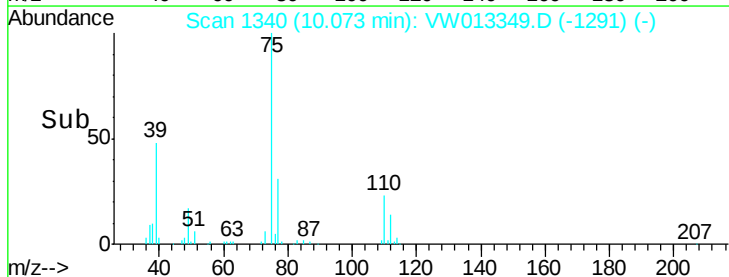
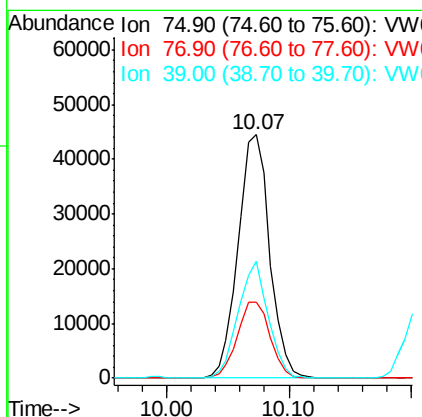
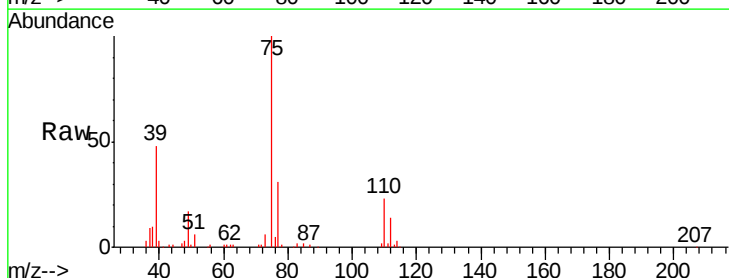
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

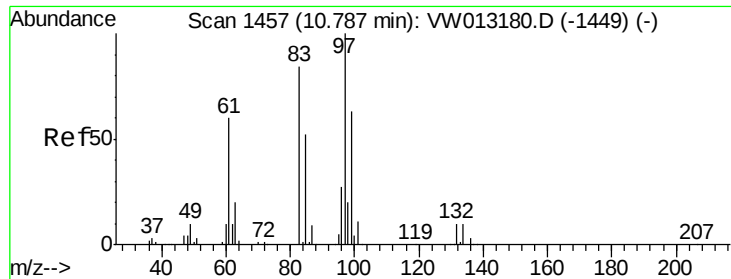
Tgt Ion: 75 Resp: 67720
Ion Ratio Lower Upper
75 100
77 33.0 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 20.556 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion: 75 Resp: 79736
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8
39 47.9 36.6 55.0

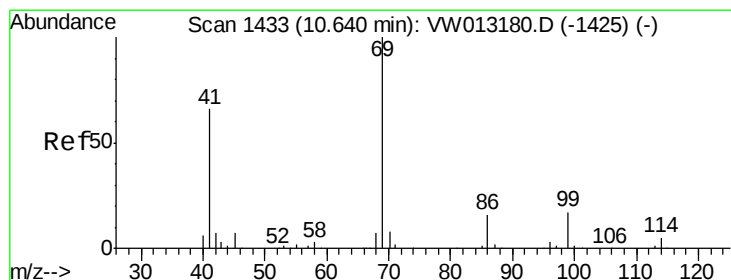
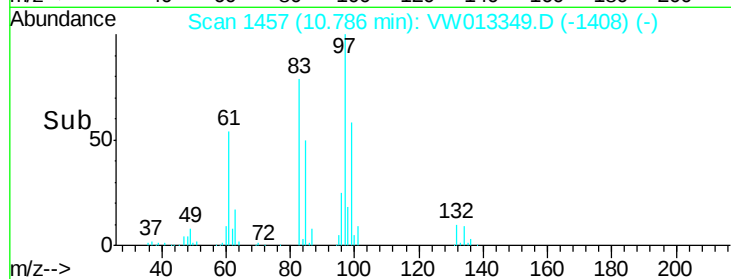
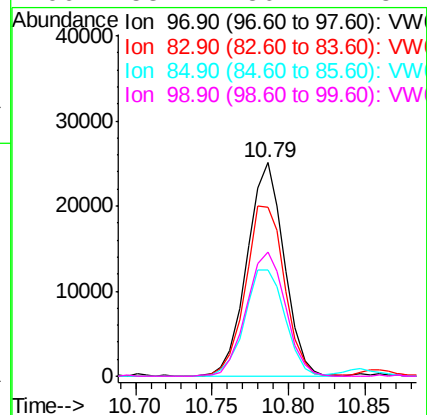
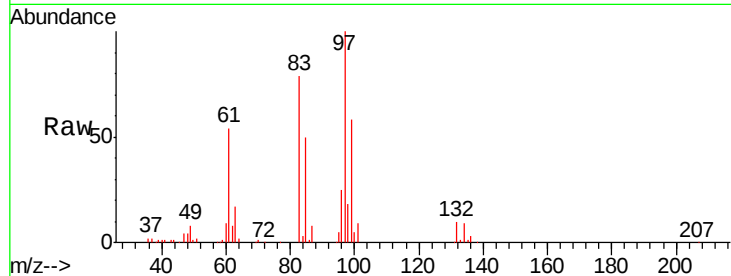




#55
 1,1,2-Trichloroethane
 Concen: 23.247 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

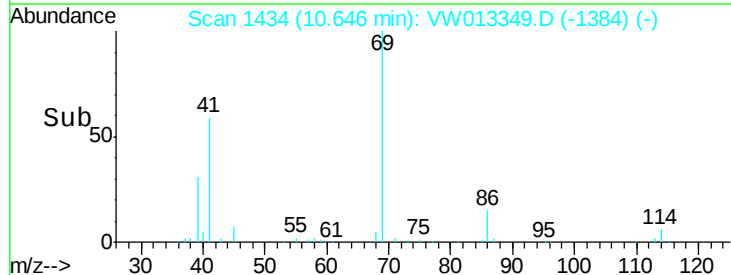
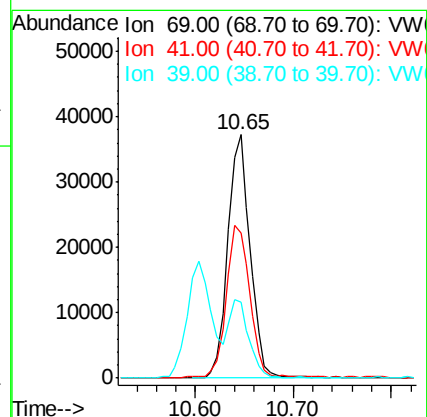
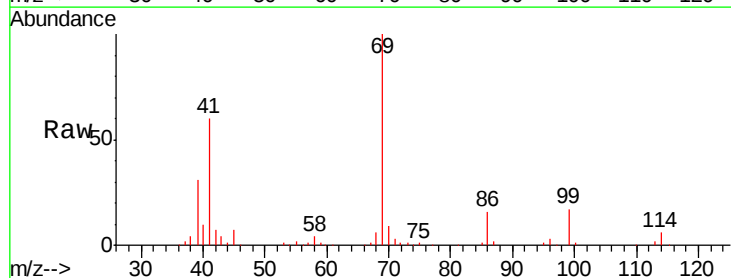
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

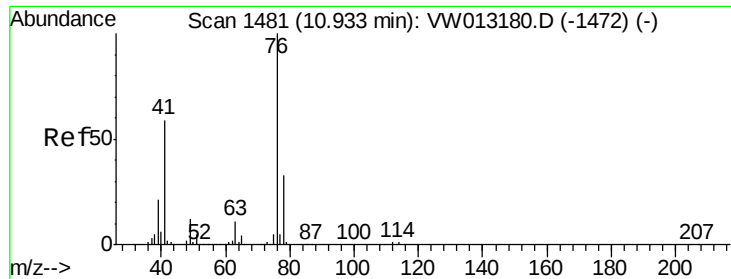
Tgt Ion:	97	Resp:	42404
Ion	Ratio	Lower	Upper
97	100		
83	78.9	67.6	101.4
85	49.6	41.9	62.9
99	58.1	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 24.717 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion:	69	Resp:	59004
Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.9	80.9
39	28.7	23.8	35.6

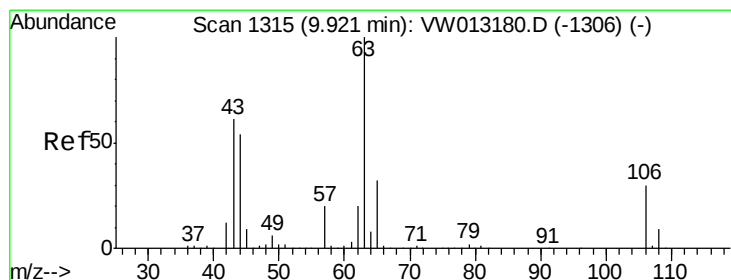
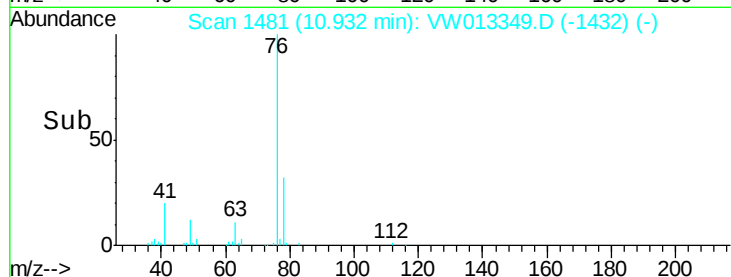
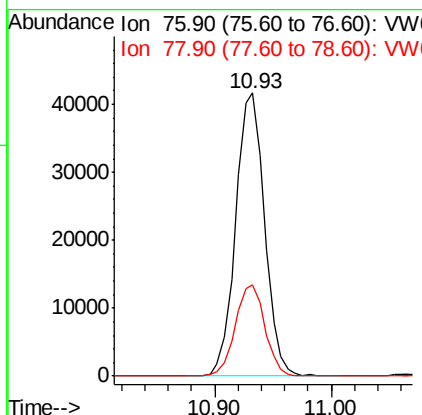
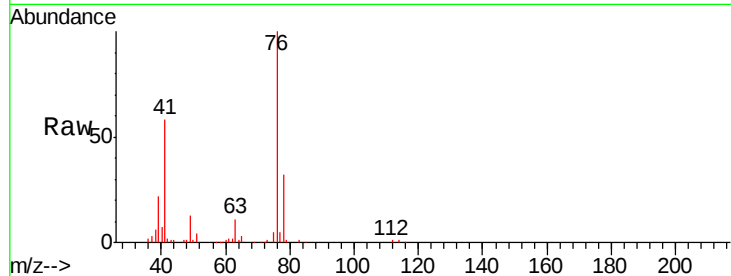




#57
 1,3-Dichloropropane
 Concen: 22.657 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

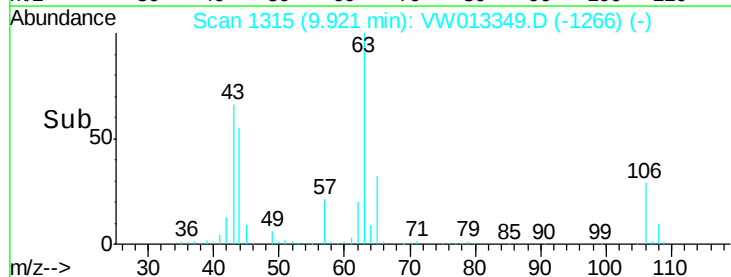
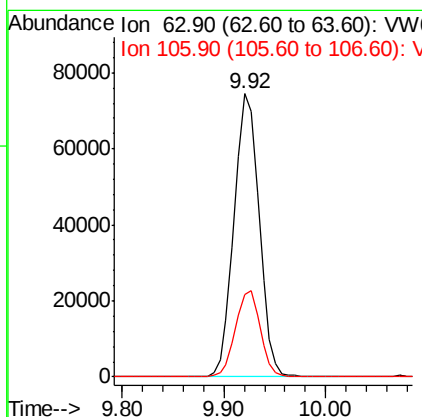
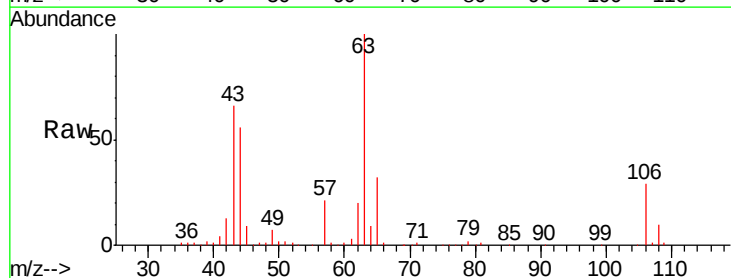
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

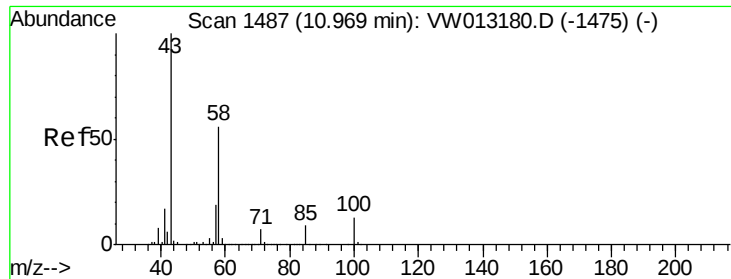
Tgt Ion: 76 Resp: 72119
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.971 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion: 63 Resp: 127059
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.4 35.0

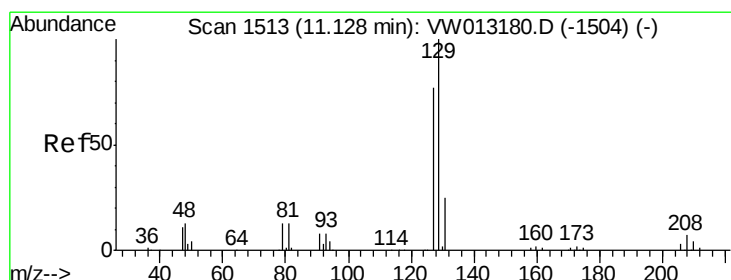
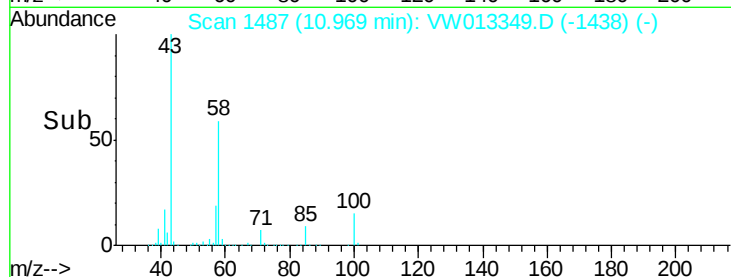
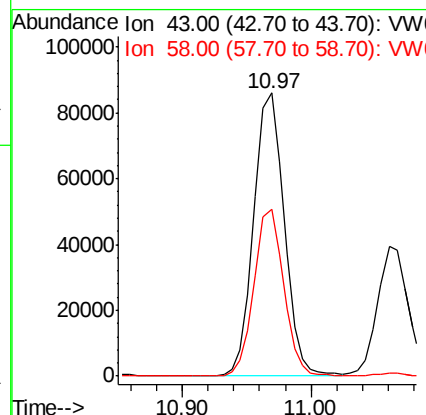
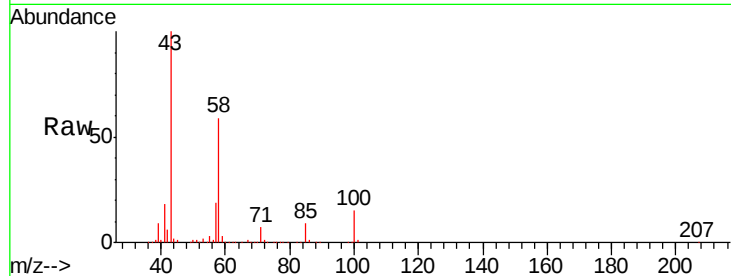




#59
2-Hexanone
Concen: 135.979 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

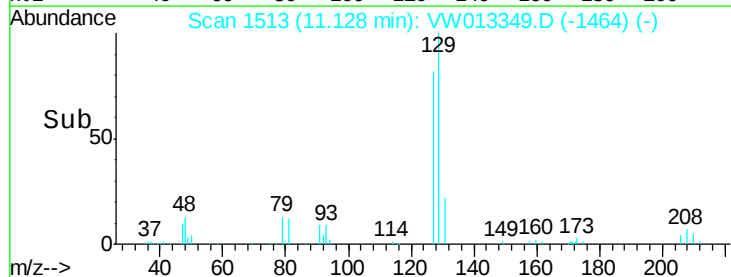
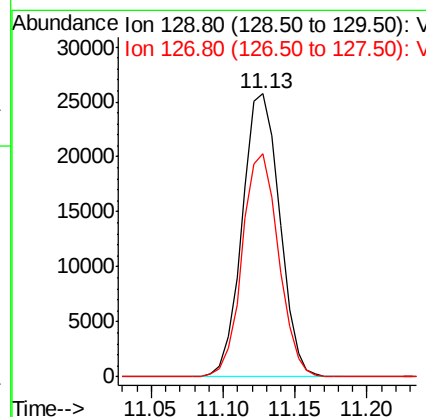
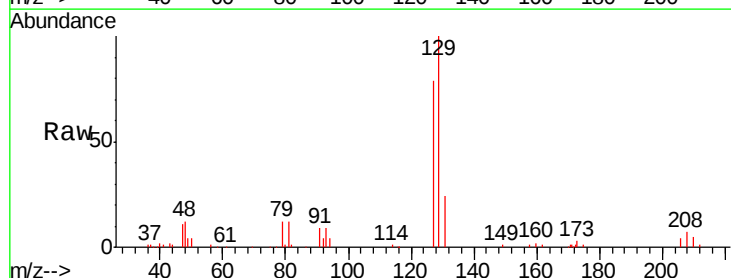
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

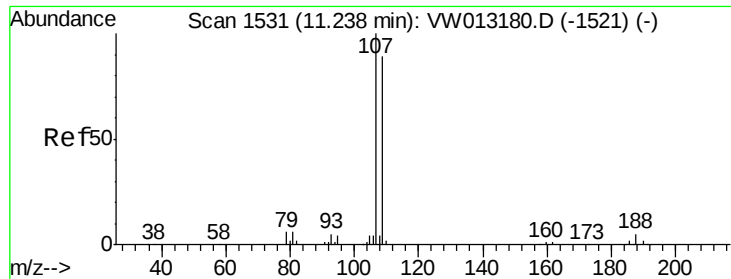
Tgt Ion: 43 Resp: 141013
Ion Ratio Lower Upper
43 100
58 57.6 28.1 84.2



#60
Dibromochloromethane
Concen: 22.426 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion: 129 Resp: 46449
Ion Ratio Lower Upper
129 100
127 76.5 38.8 116.4

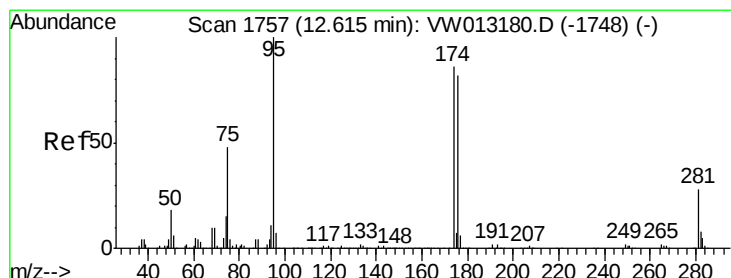
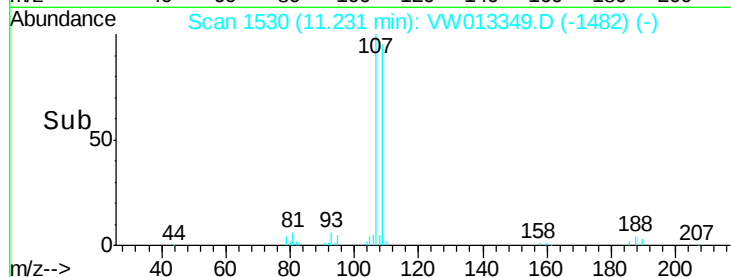
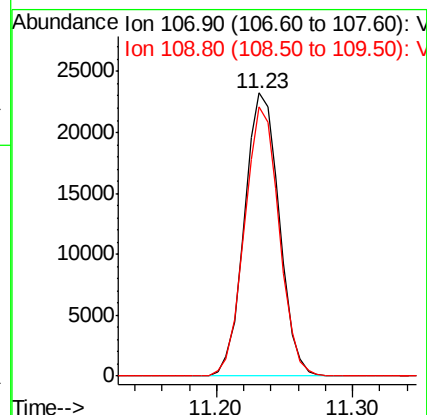
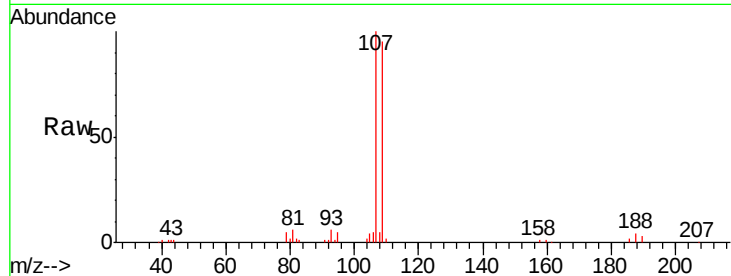




#61
 1,2-Dibromoethane
 Concen: 23.979 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

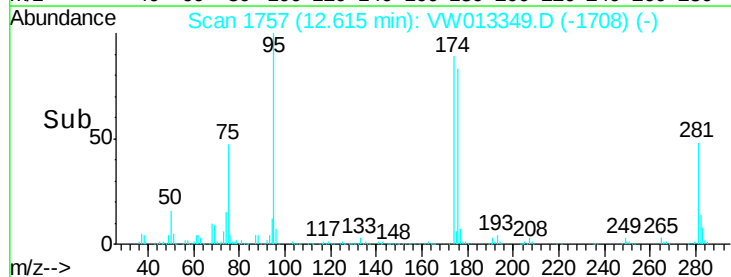
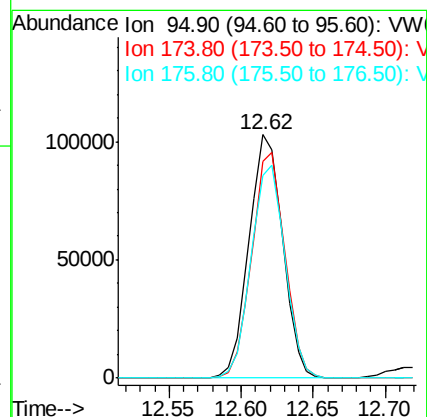
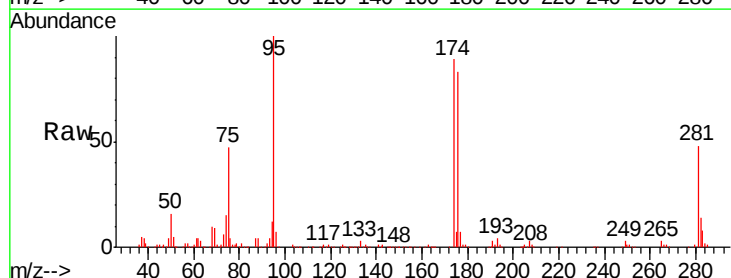
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

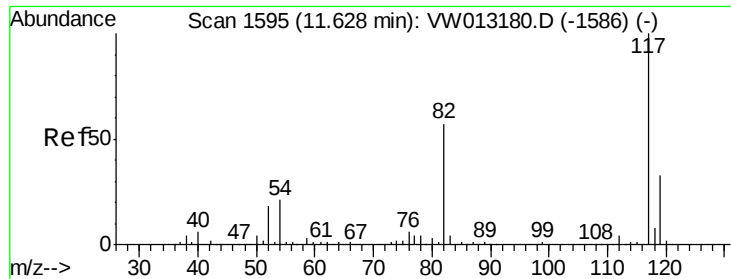
Tgt Ion: 107 Resp: 41587
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 55.534 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion: 95 Resp: 166408
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 178.4
 176 87.7 0.0 172.2

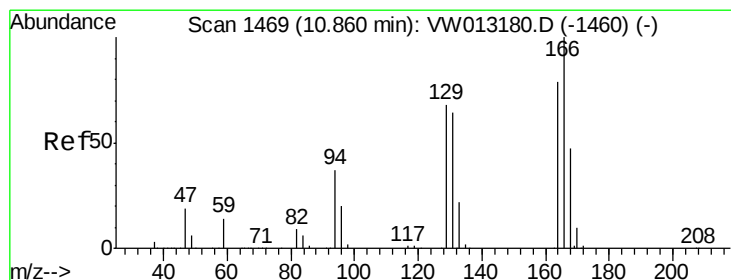
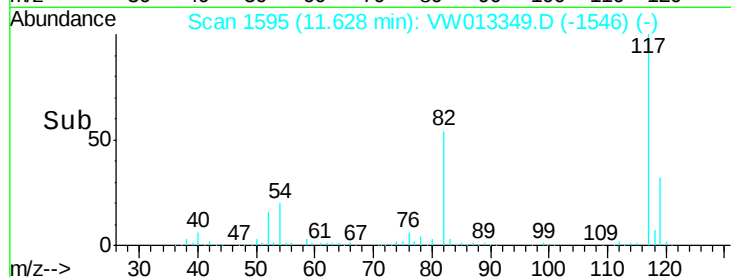
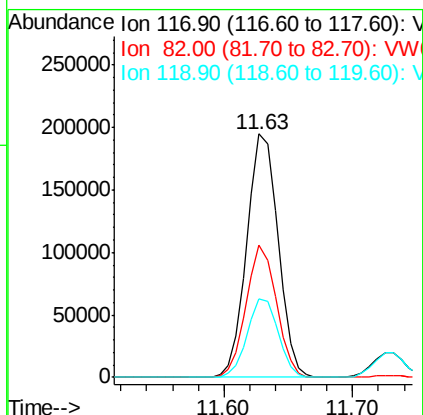
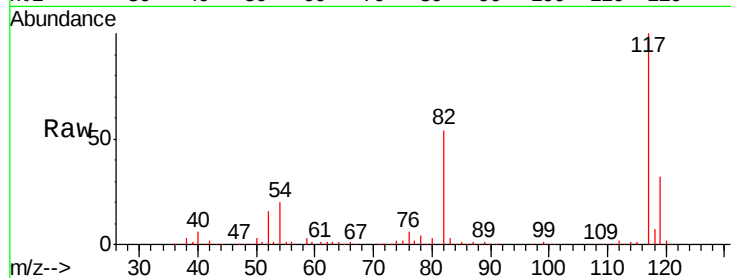




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

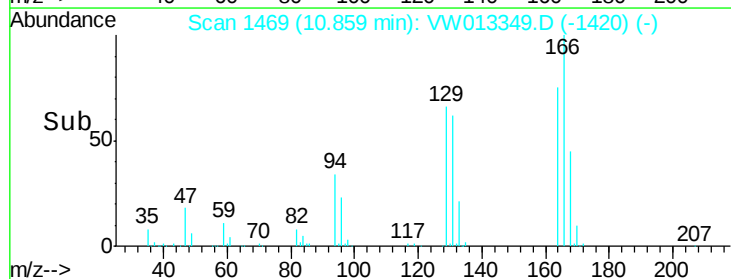
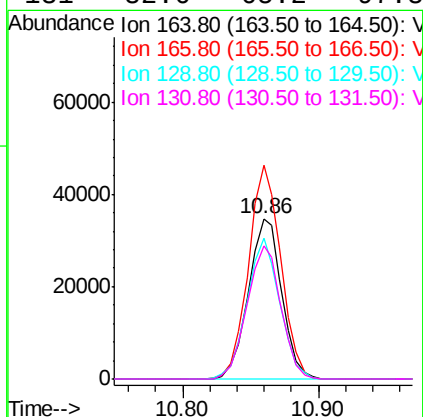
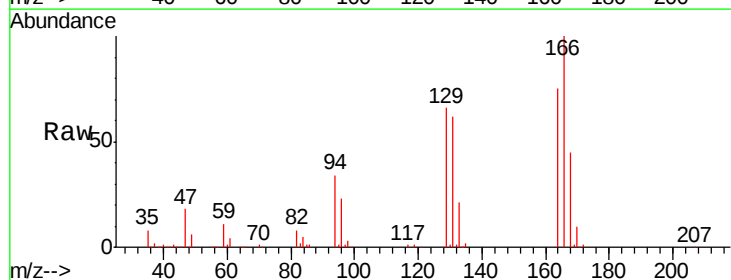
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

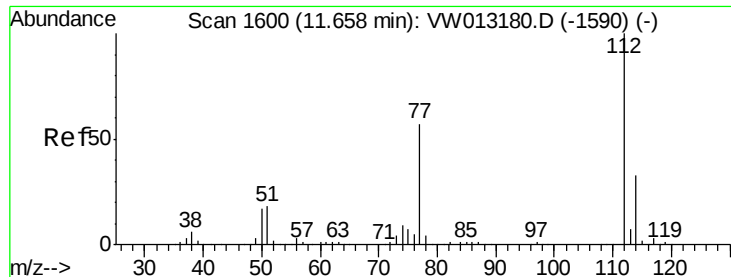
Tgt Ion:117 Resp: 327717
Ion Ratio Lower Upper
117 100
82 54.1 45.9 68.9
119 32.2 26.2 39.2



#64
Tetrachloroethene
Concen: 23.916 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion:164 Resp: 59468
Ion Ratio Lower Upper
164 100
166 133.0 101.2 151.8
129 87.8 68.8 103.2
131 82.6 65.2 97.8





#65

Chlorobenzene

Concen: 21.451 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

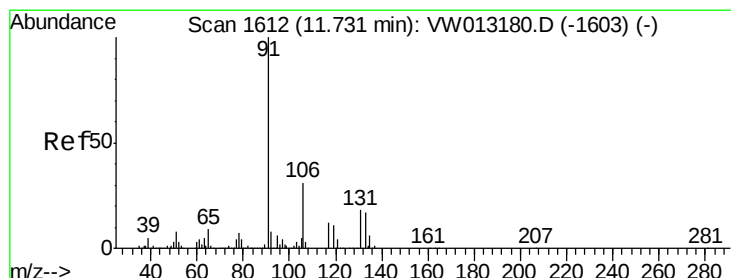
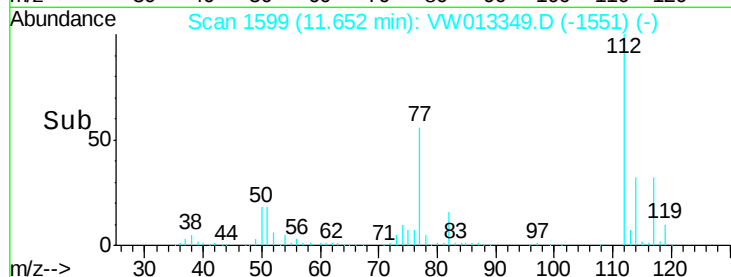
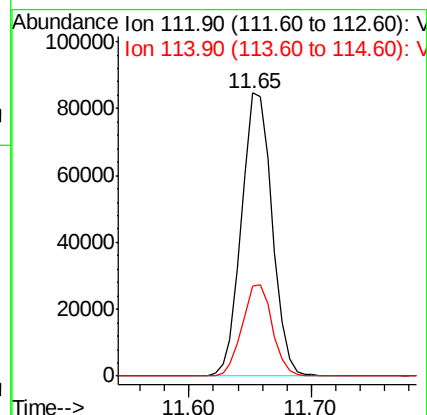
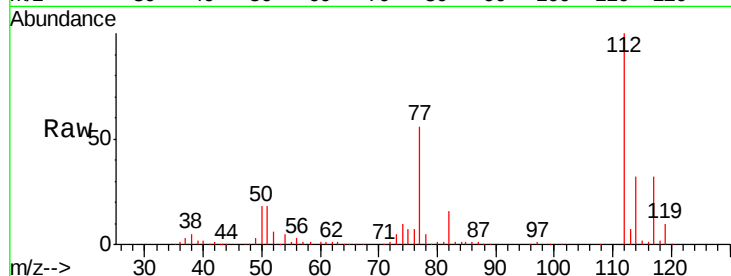
VW0930SBSD01

Tgt Ion:112 Resp: 146797

Ion Ratio Lower Upper

112 100

114 32.0 26.5 39.7



#66

1,1,1,2-Tetrachloroethane

Concen: 21.595 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

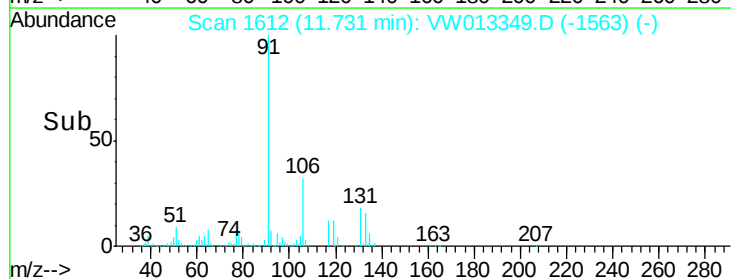
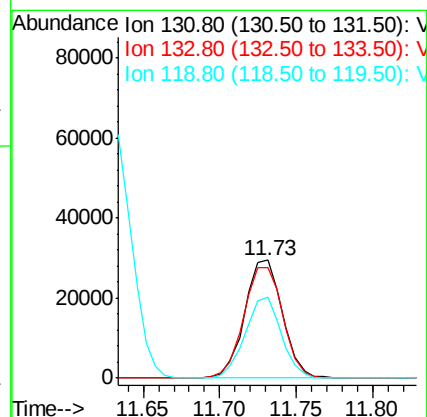
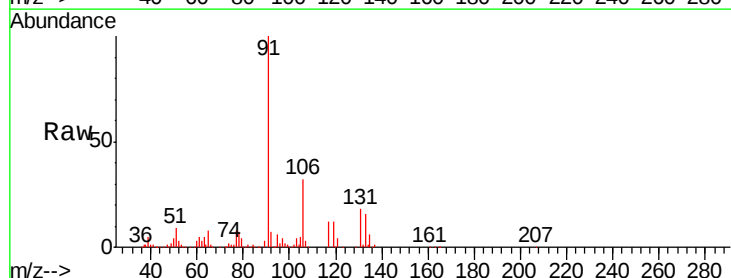
Tgt Ion:131 Resp: 50487

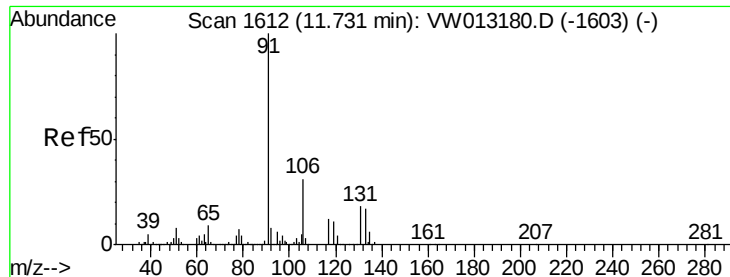
Ion Ratio Lower Upper

131 100

133 96.9 47.5 142.6

119 66.2 32.5 97.5

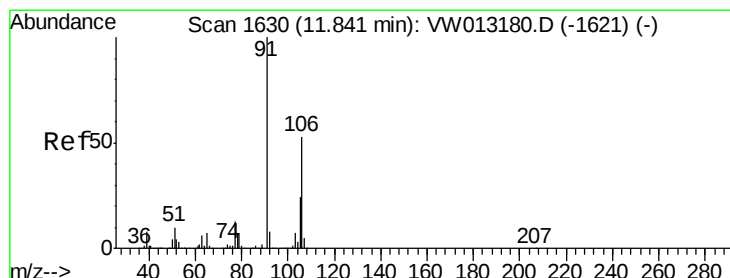
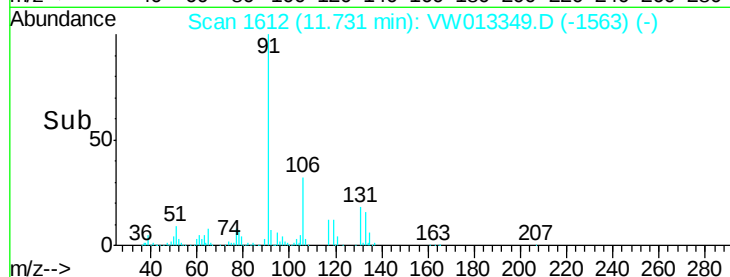
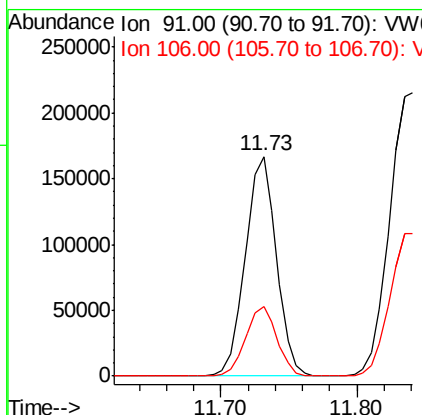
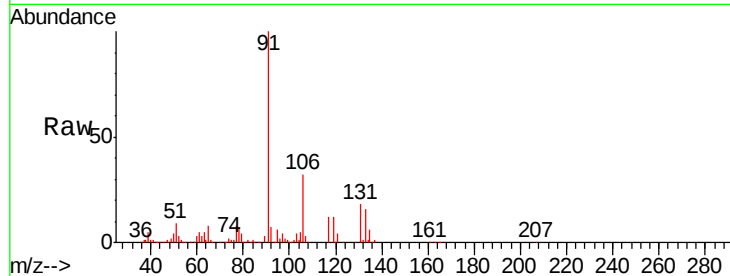




#67
Ethyl Benzene
Concen: 21.543 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

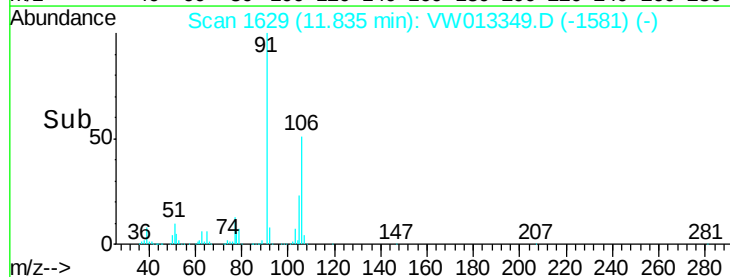
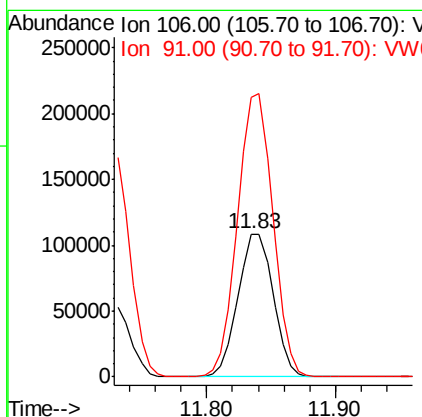
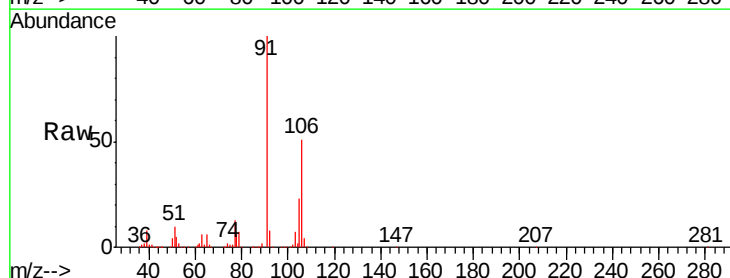
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

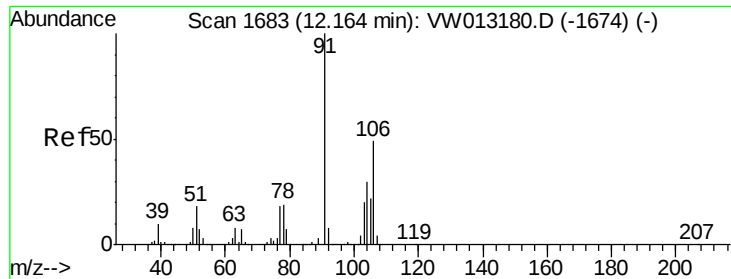
Tgt Ion: 91 Resp: 267120
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3



#68
m/p-Xylenes
Concen: 43.778 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion: 106 Resp: 206851
Ion Ratio Lower Upper
106 100
91 198.2 157.9 236.9

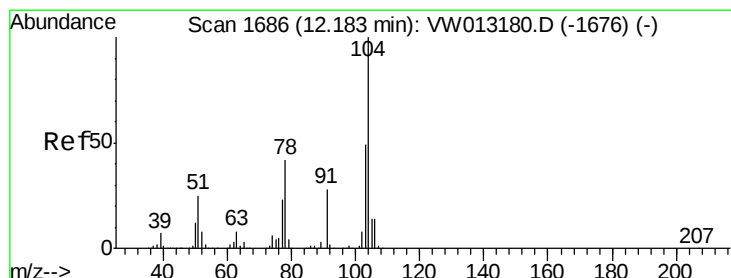
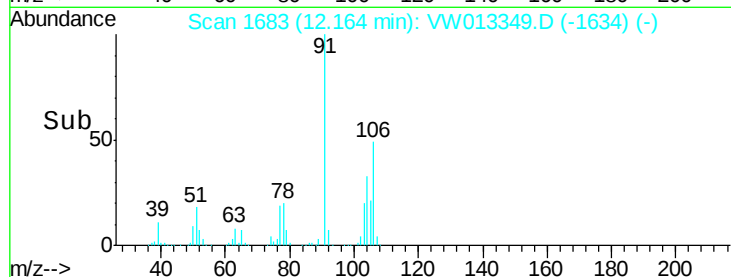
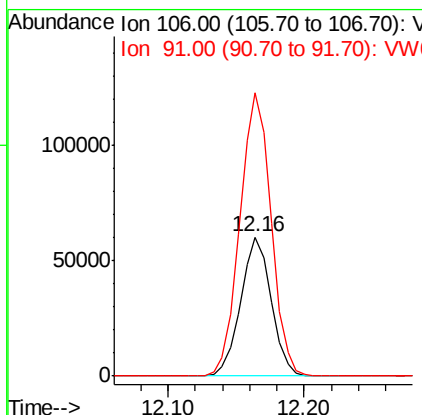
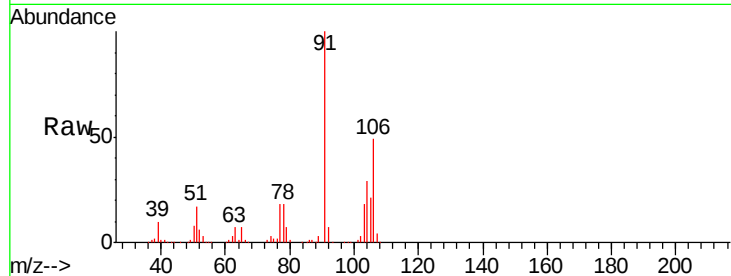




#69
o-Xylene
Concen: 21.460 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

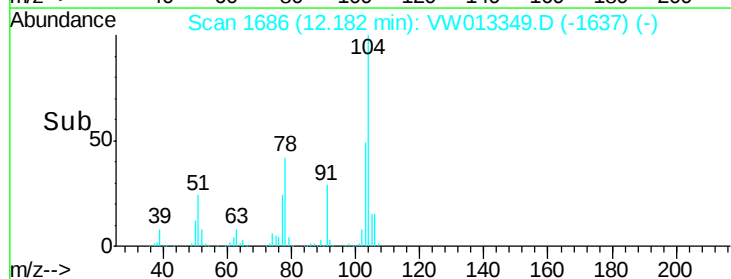
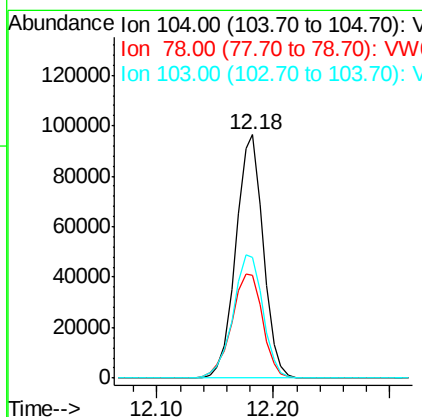
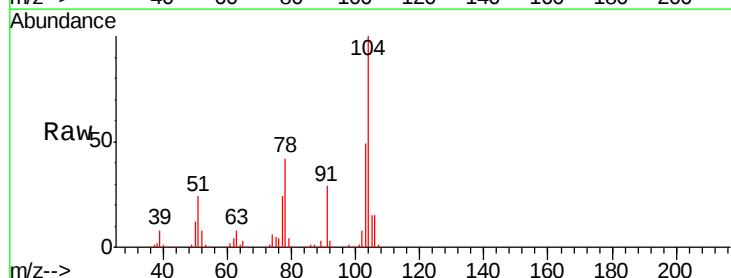
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

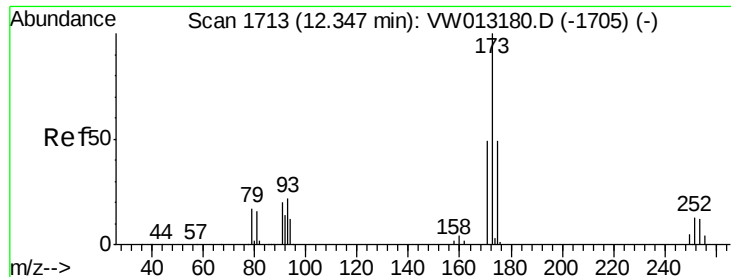
Tgt Ion:106 Resp: 94271
Ion Ratio Lower Upper
106 100
91 208.3 106.5 319.5



#70
Styrene
Concen: 20.971 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion:104 Resp: 158157
Ion Ratio Lower Upper
104 100
78 48.3 38.4 57.6
103 55.4 43.3 64.9

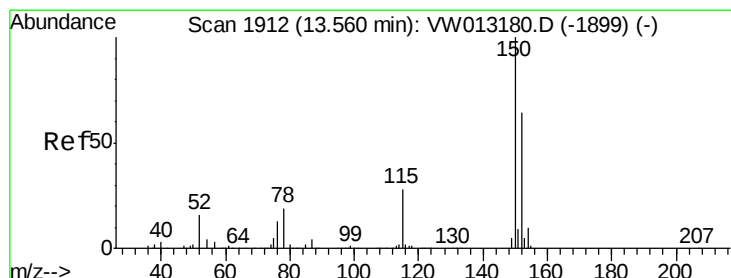
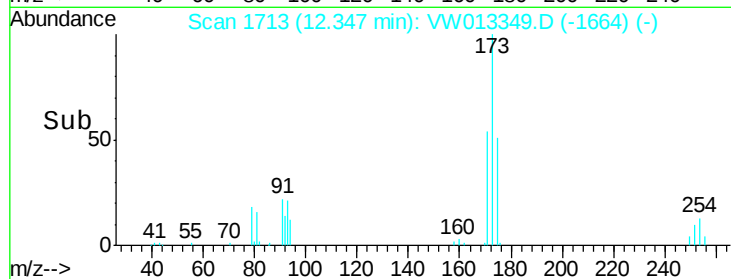
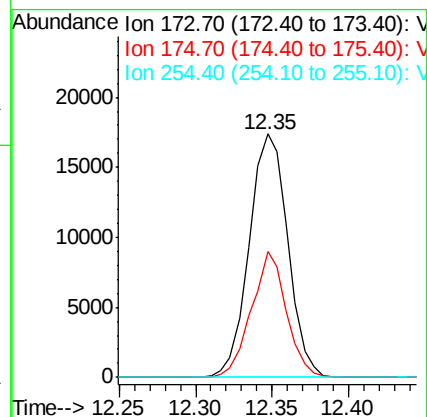
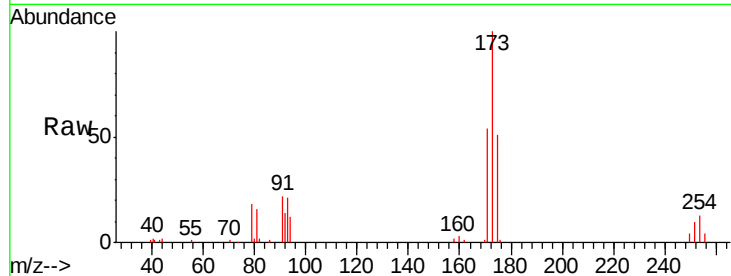




#71
Bromoform
Concen: 24.661 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

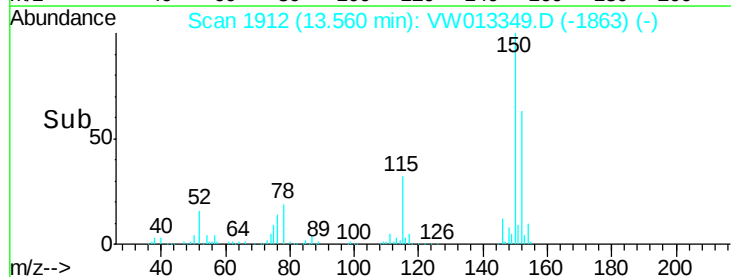
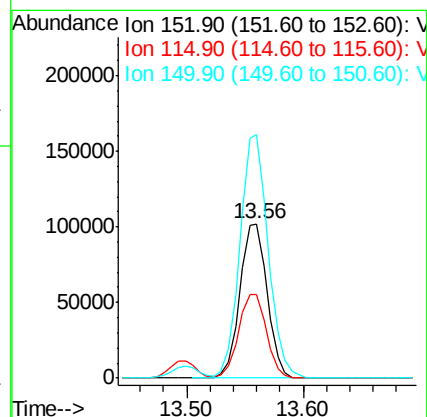
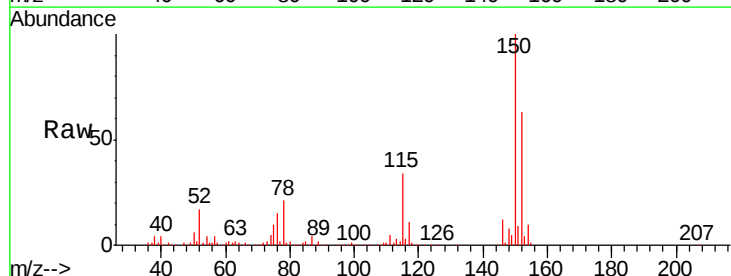
Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

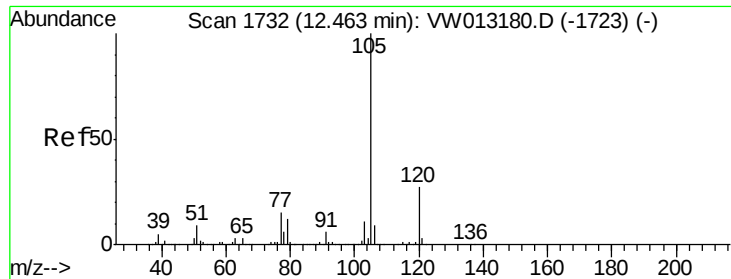
Tgt Ion:173 Resp: 30460
Ion Ratio Lower Upper
173 100
175 46.7 24.3 73.0
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion:152 Resp: 166768
Ion Ratio Lower Upper
152 100
115 55.4 27.3 81.9
150 163.2 0.0 349.0





#73

Isopropylbenzene

Concen: 21.662 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

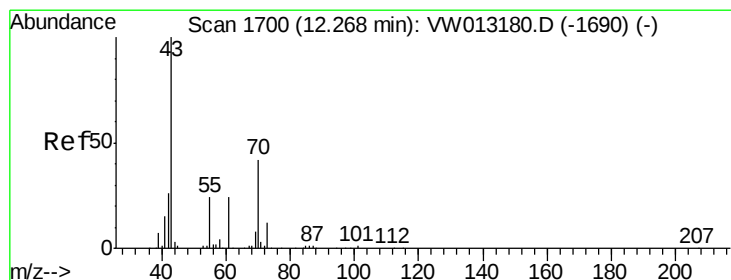
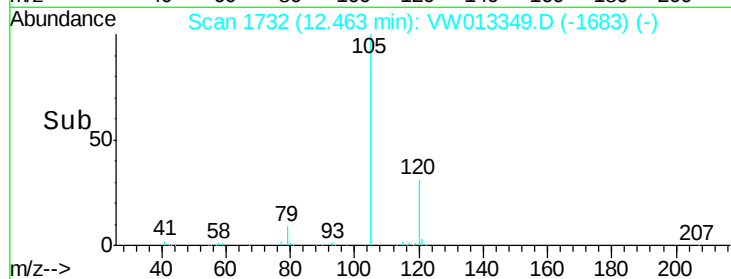
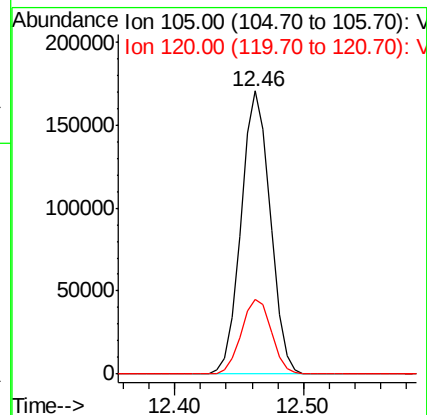
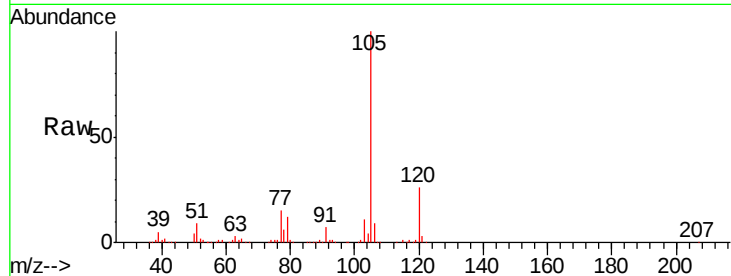
VW0930SBSD01

Tgt Ion: 105 Resp: 266864

Ion Ratio Lower Upper

105 100

120 27.3 13.4 40.1



#74

N-ethyl acetate

Concen: 23.346 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Tgt Ion: 43 Resp: 63821

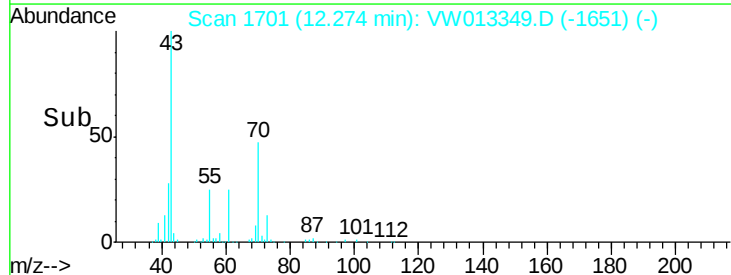
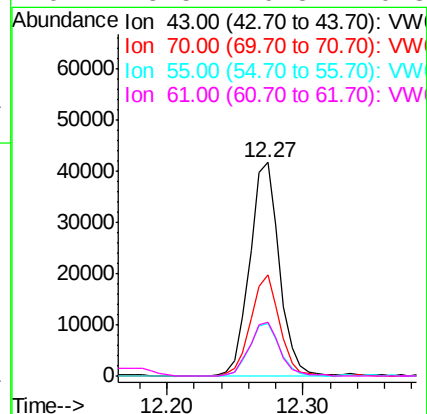
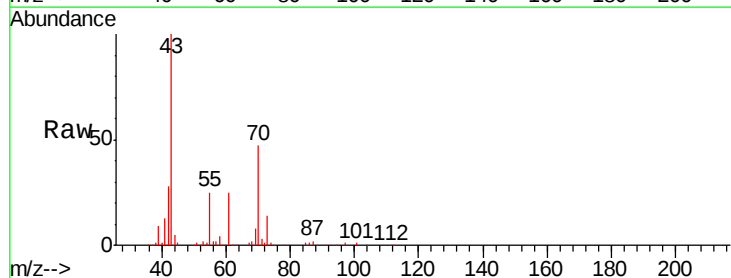
Ion Ratio Lower Upper

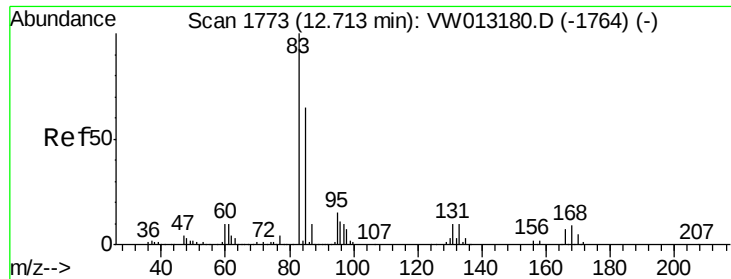
43 100

70 46.2 35.1 52.7

55 25.4 19.9 29.9

61 25.5 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 25.625 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

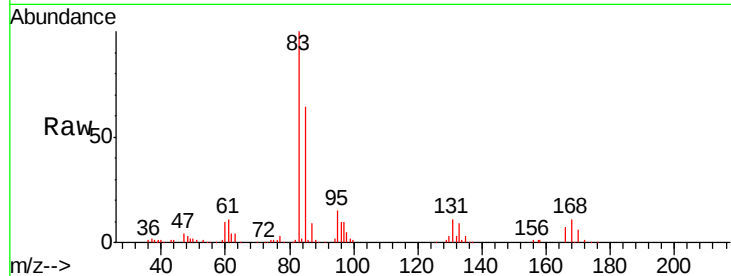
Tgt Ion: 83 Resp: 52796

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

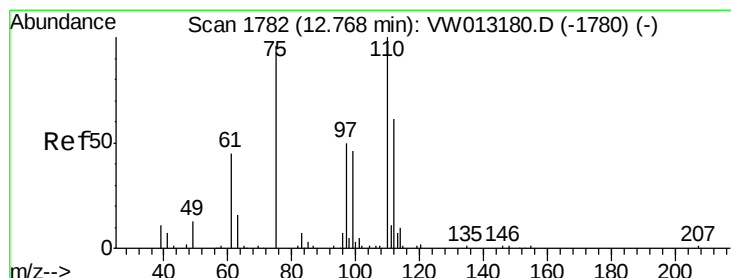
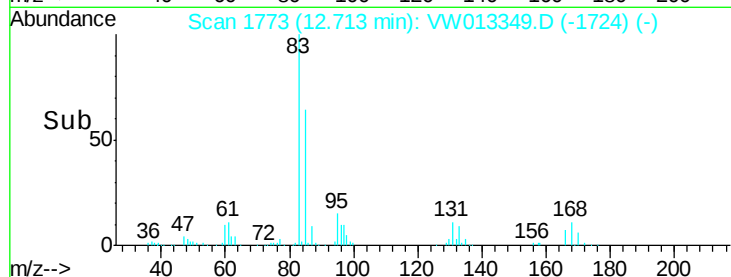
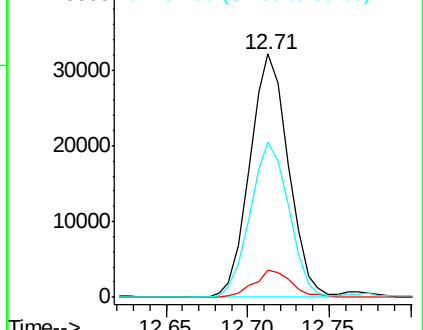
85 63.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 44.004 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013349.D

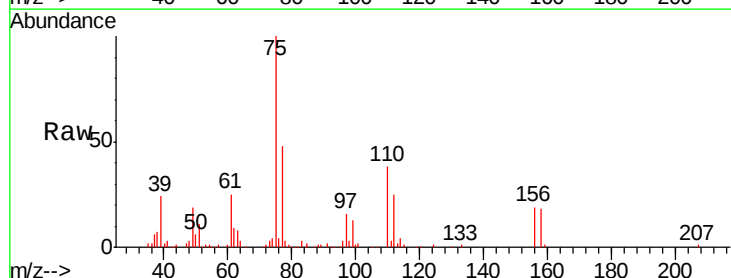
Acq: 30 Sep 2019 23:56

Tgt Ion: 75 Resp: 64808

Ion Ratio Lower Upper

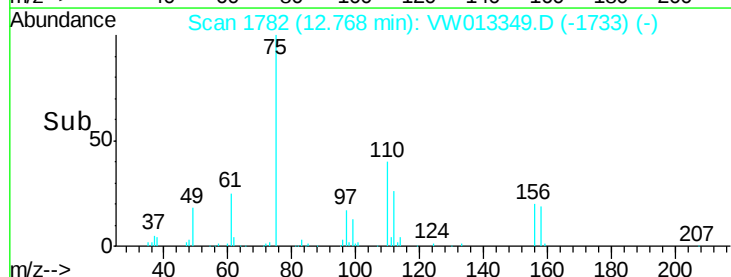
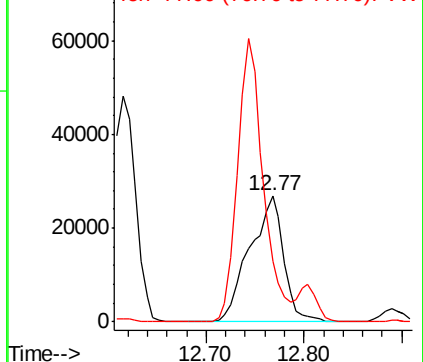
75 100

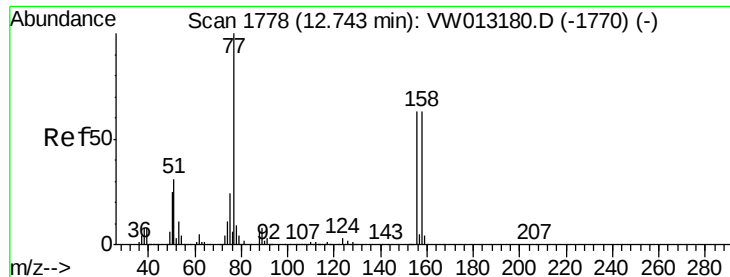
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.780 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

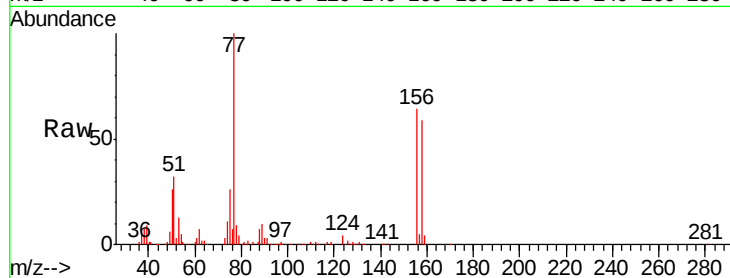
Tgt Ion:156 Resp: 63584

Ion Ratio Lower Upper

156 100

77 173.6 85.7 257.1

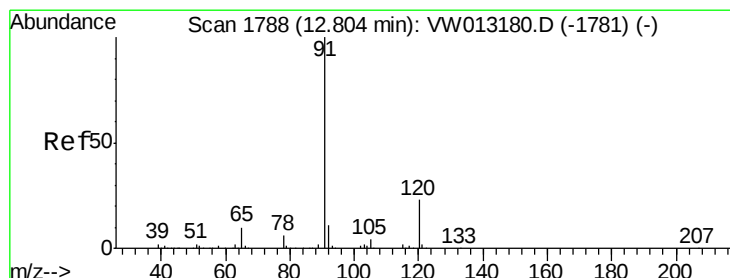
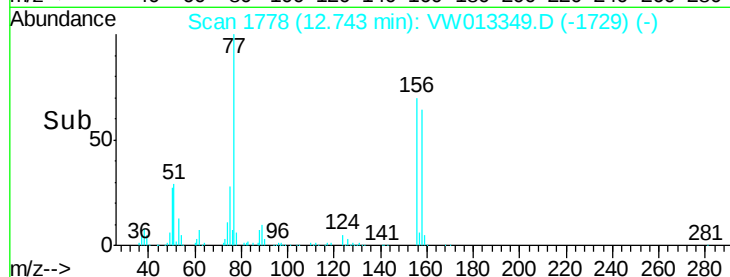
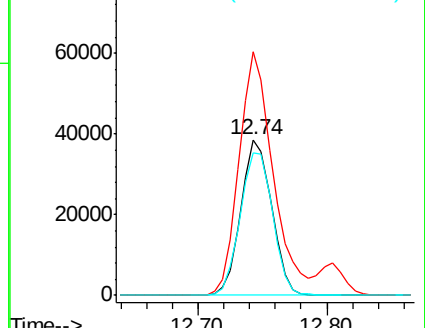
158 96.8 48.1 144.4



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: 21.645 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013349.D

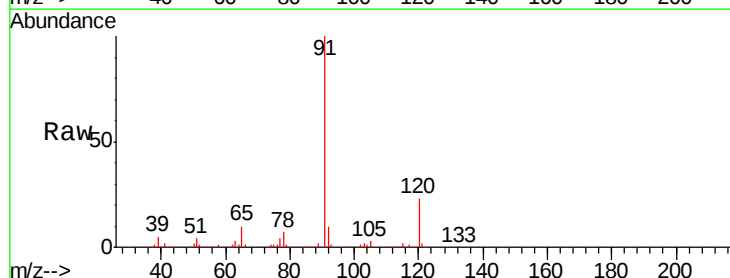
Acq: 30 Sep 2019 23:56

Tgt Ion: 91 Resp: 312122

Ion Ratio Lower Upper

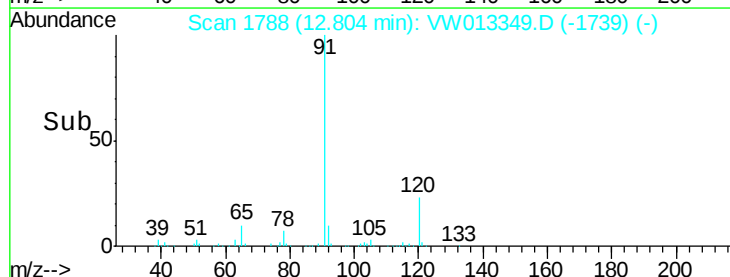
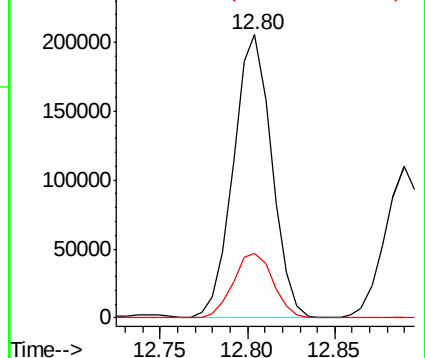
91 100

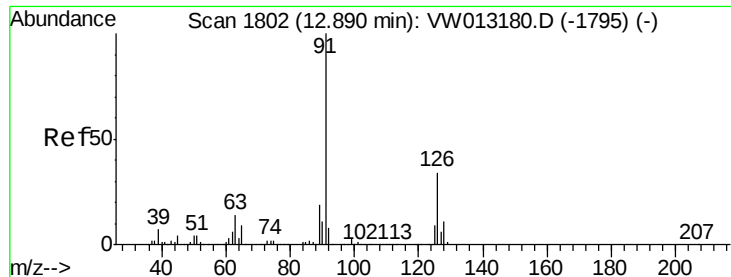
120 23.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

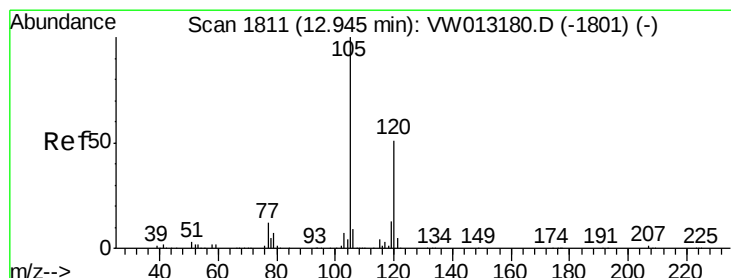
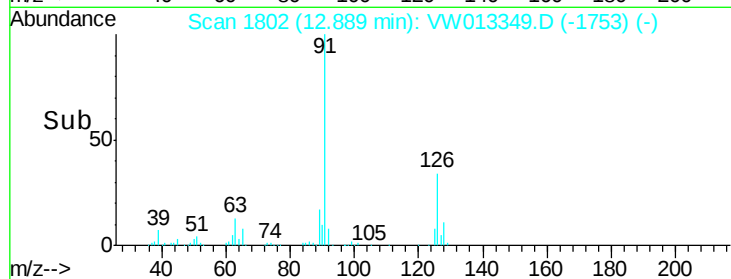
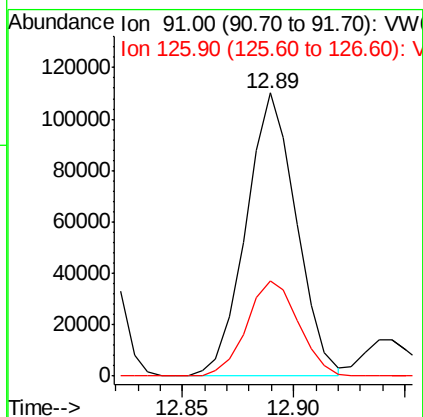
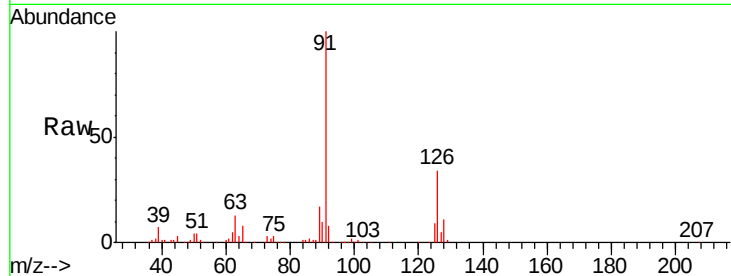




#79
 2-Chlorotoluene
 Concen: 21.329 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

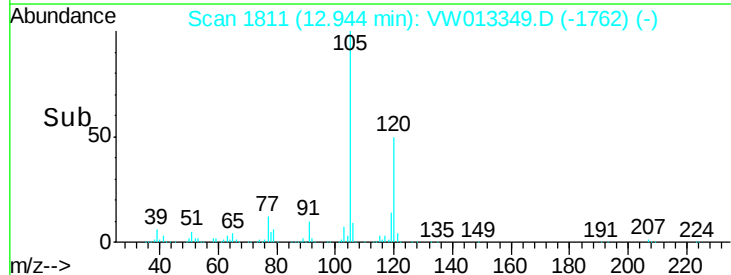
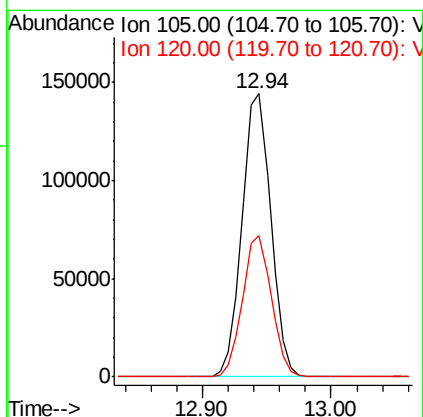
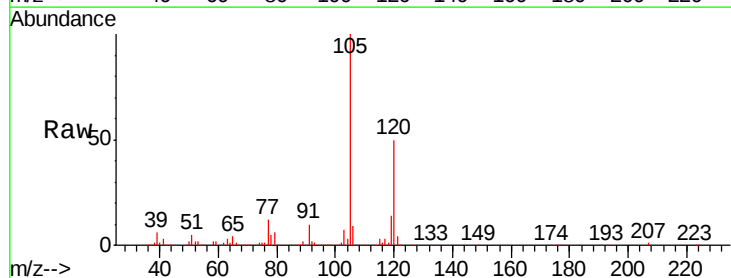
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

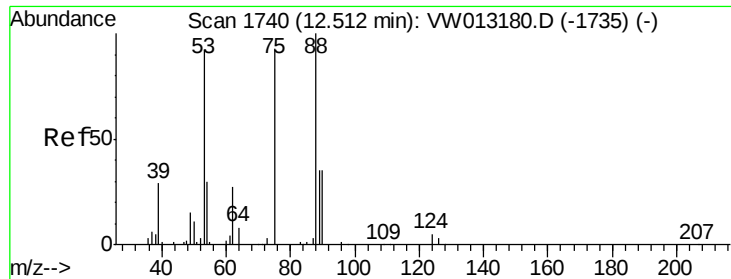
Tgt Ion: 91 Resp: 172312
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.535 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion: 105 Resp: 223013
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 23.837 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

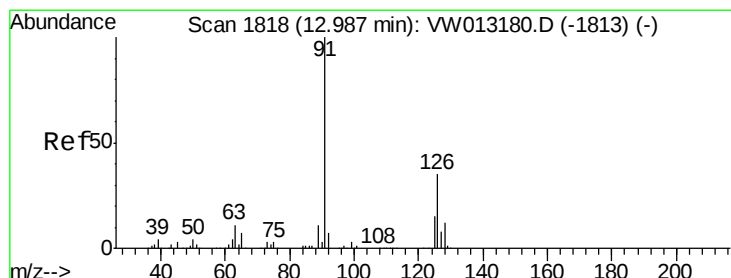
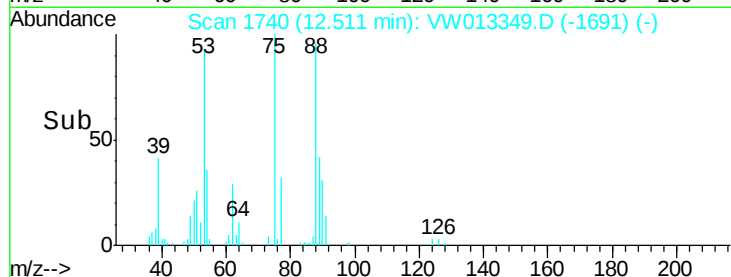
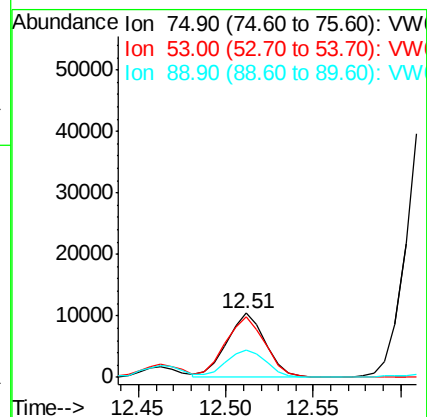
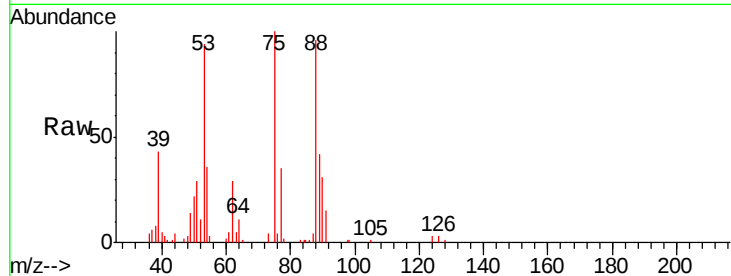
Tgt Ion: 75 Resp: 15645

Ion Ratio Lower Upper

75 100

53 98.7 76.6 114.8

89 45.4 33.5 50.3



#82

4-Chlorotoluene

Concen: 20.829 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013349.D

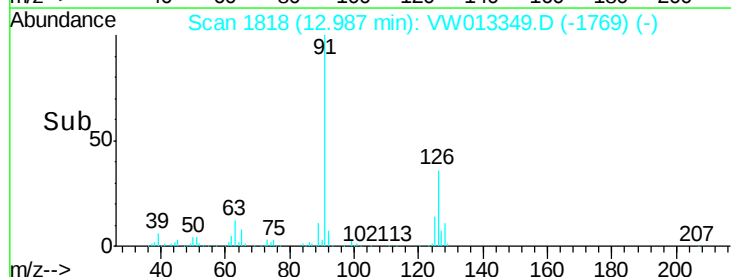
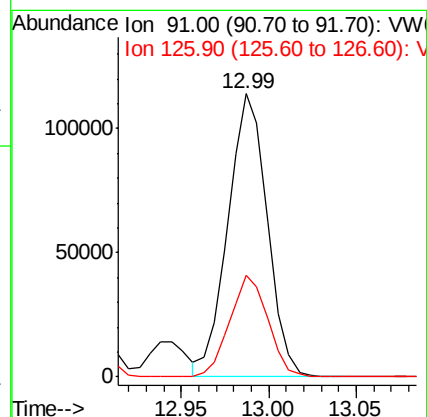
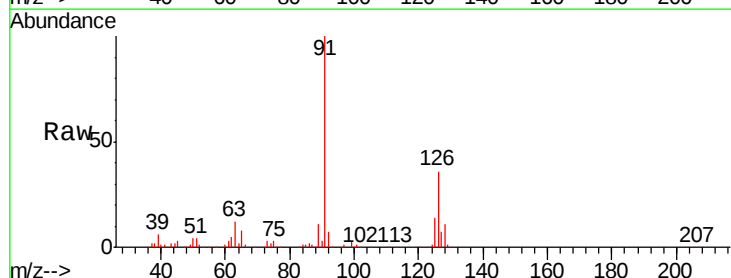
Acq: 30 Sep 2019 23:56

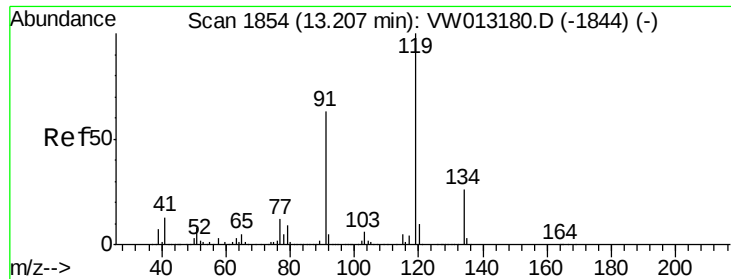
Tgt Ion: 91 Resp: 177451

Ion Ratio Lower Upper

91 100

126 35.0 17.3 51.7

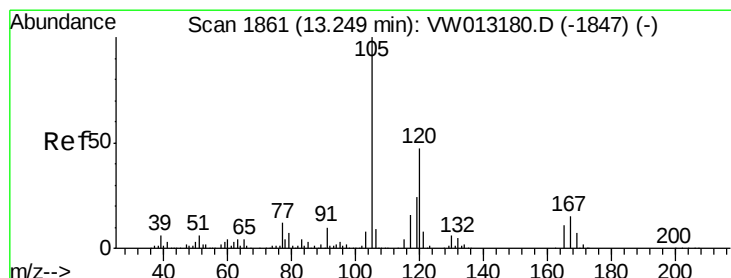
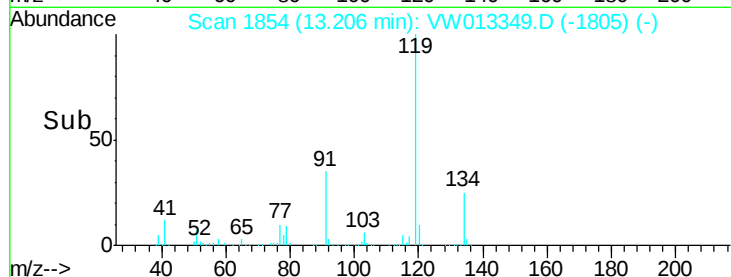
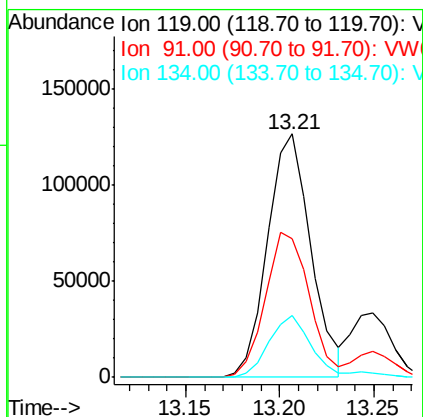
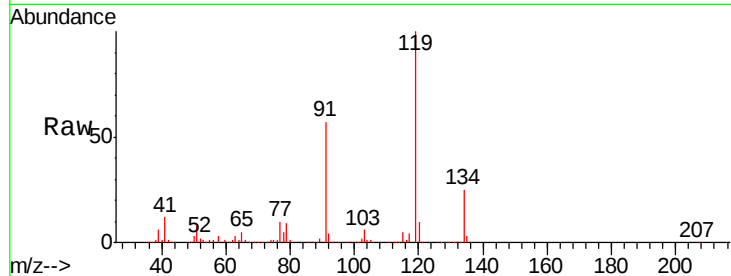




#83
 tert-Butylbenzene
 Concen: 22.252 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

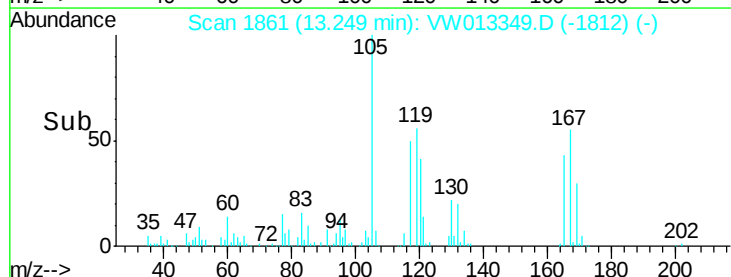
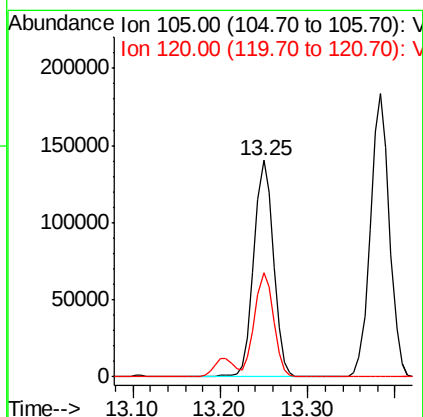
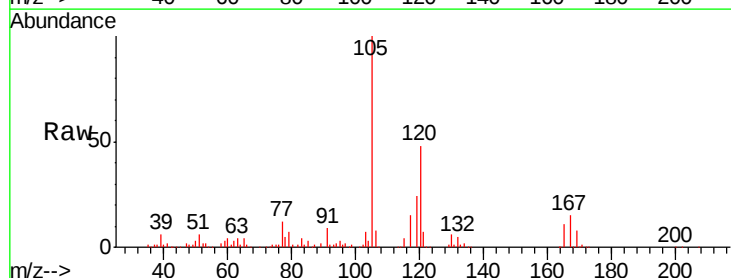
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

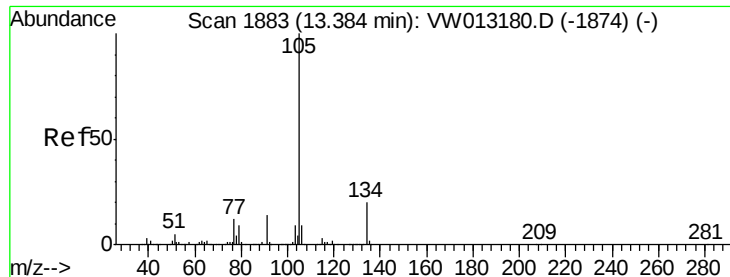
Tgt Ion:119 Resp: 202253
 Ion Ratio Lower Upper
 119 100
 91 60.2 30.7 92.1
 134 26.1 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.136 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion:105 Resp: 217805
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.3

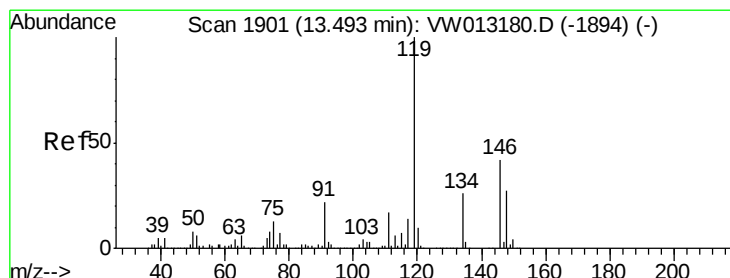
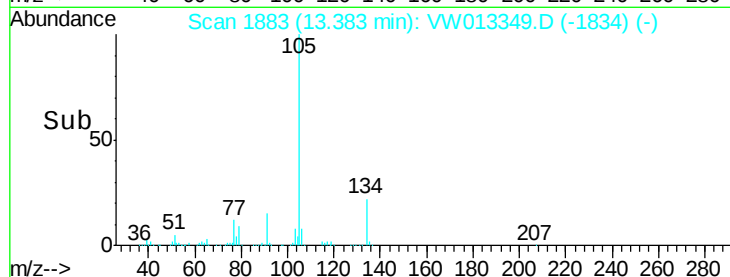
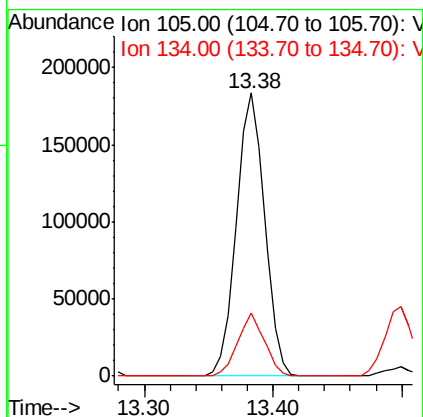
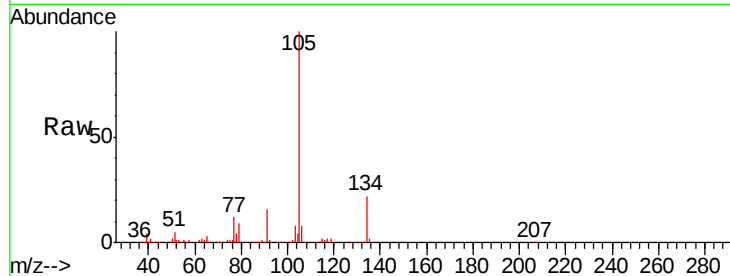




#85
 sec-Butylbenzene
 Concen: 22.281 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

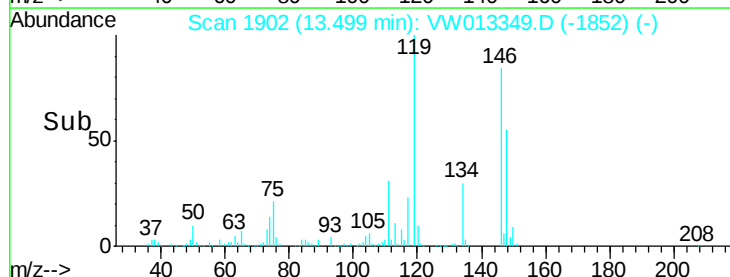
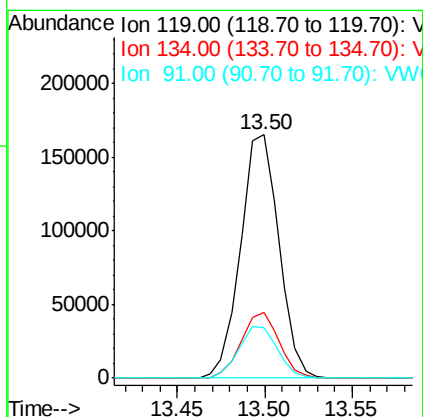
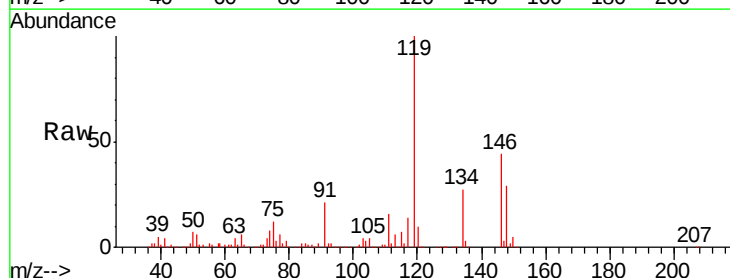
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

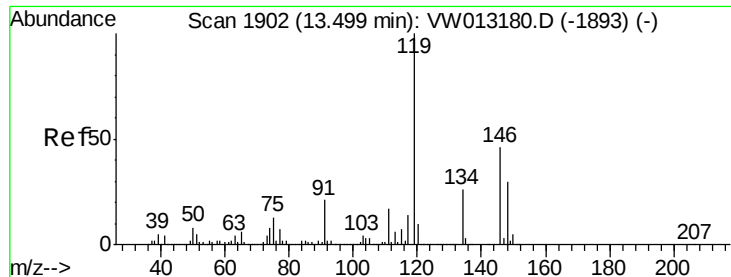
Tgt Ion:105 Resp: 279207
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 21.771 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion:119 Resp: 253041
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.8
 91 21.7 10.8 32.4

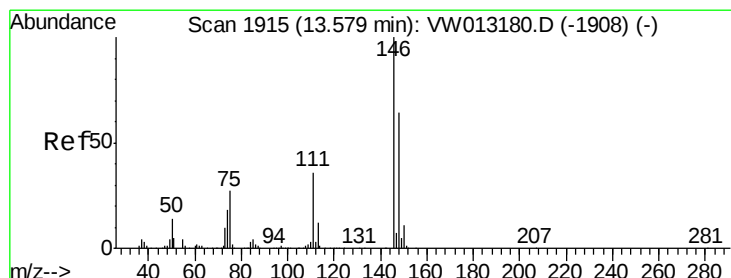
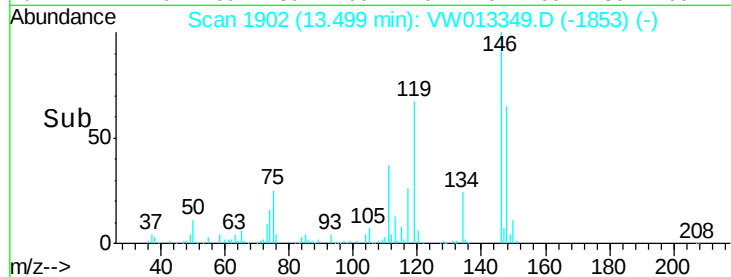
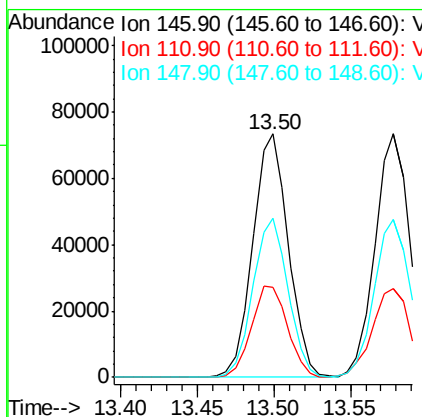
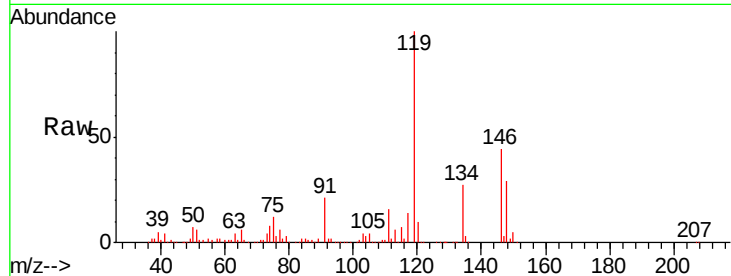




#87
 1,3-Dichlorobenzene
 Concen: 21.124 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

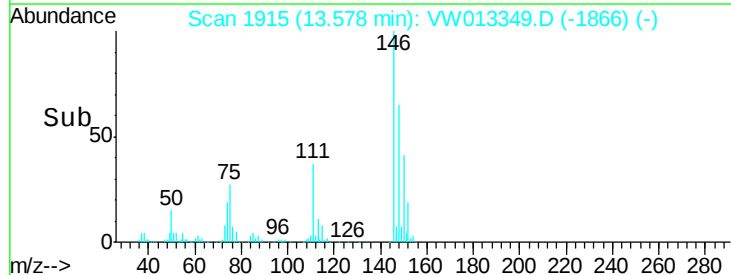
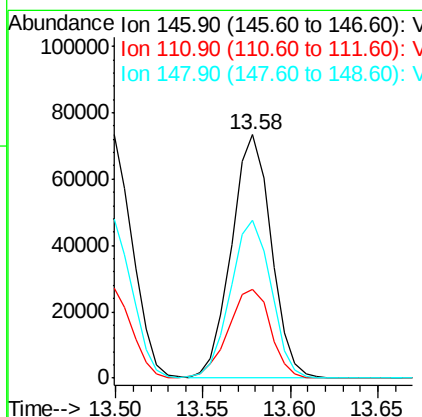
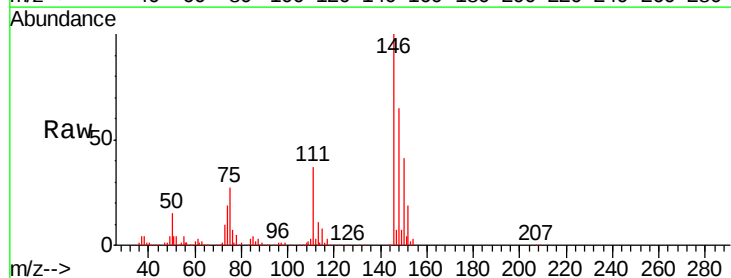
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

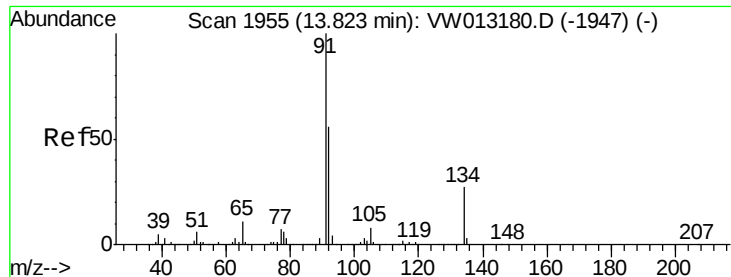
Tgt Ion:146 Resp: 118682
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.9 56.9
 148 64.8 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 21.219 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion:146 Resp: 116920
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.4 55.0
 148 66.1 32.1 96.3





#89

n-Butylbenzene

Concen: 21.474 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

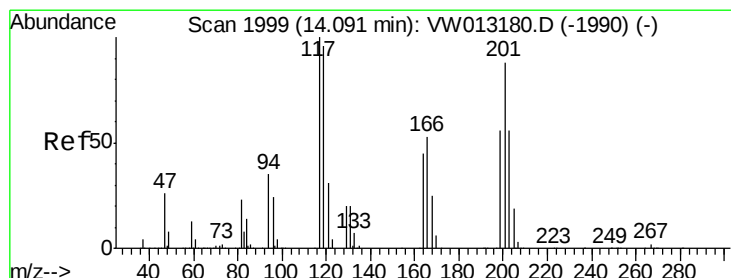
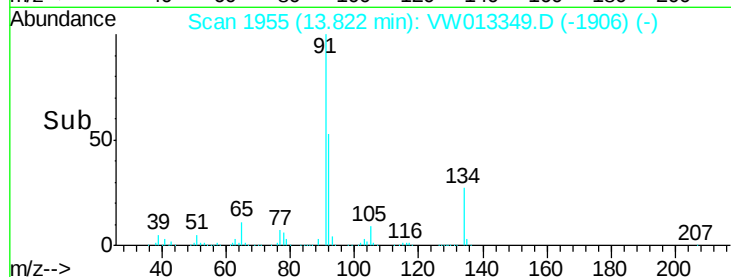
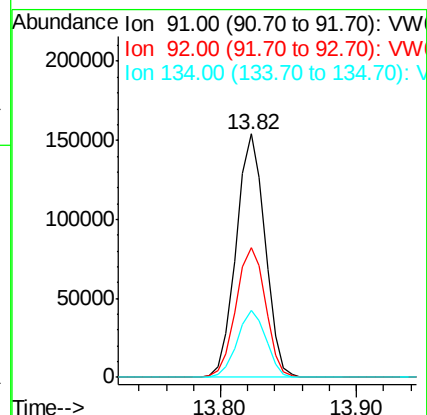
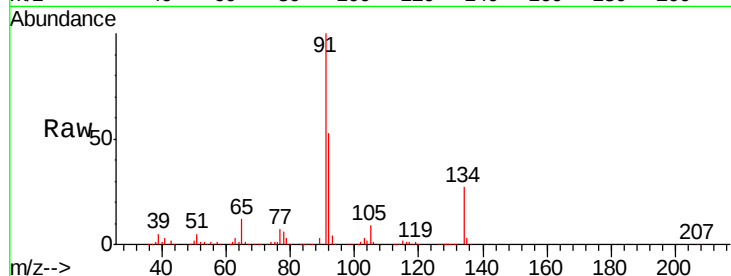
Tgt Ion: 91 Resp: 227896

Ion Ratio Lower Upper

91 100

92 54.7 27.6 82.8

134 27.5 13.7 41.1



#90

Hexachloroethane

Concen: 22.022 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013349.D

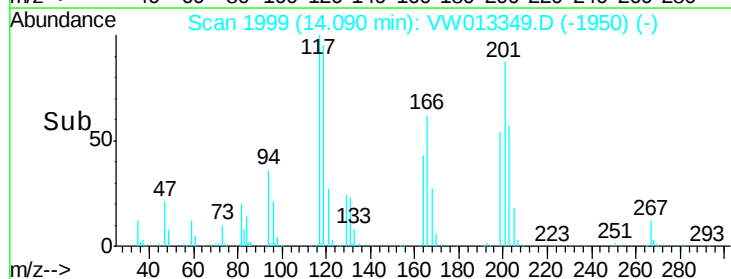
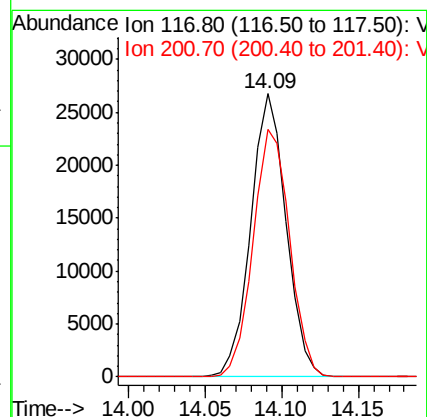
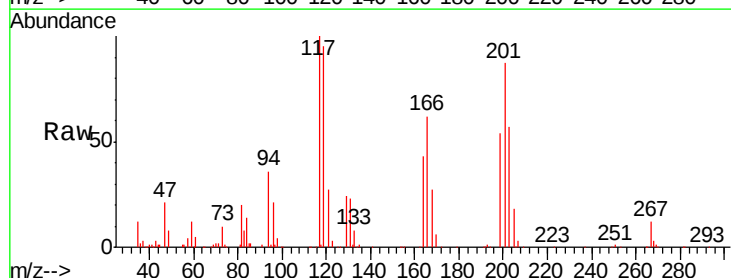
Acq: 30 Sep 2019 23:56

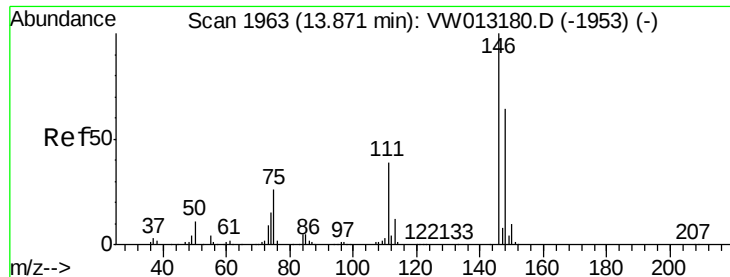
Tgt Ion: 117 Resp: 42999

Ion Ratio Lower Upper

117 100

201 90.3 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 22.279 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBSD01

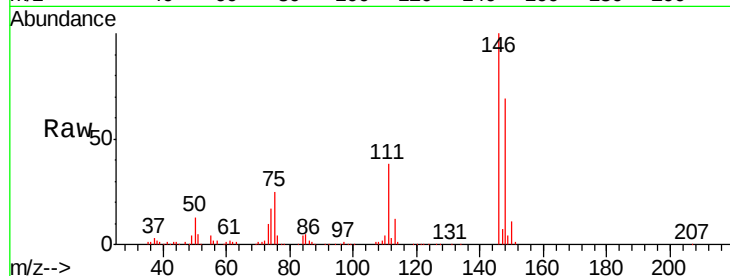
Tgt Ion:146 Resp: 108292

Ion Ratio Lower Upper

146 100

111 38.9 20.1 60.3

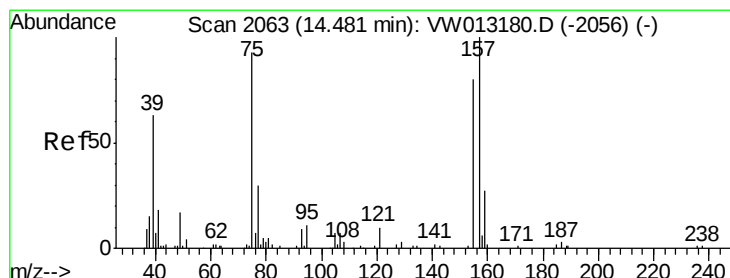
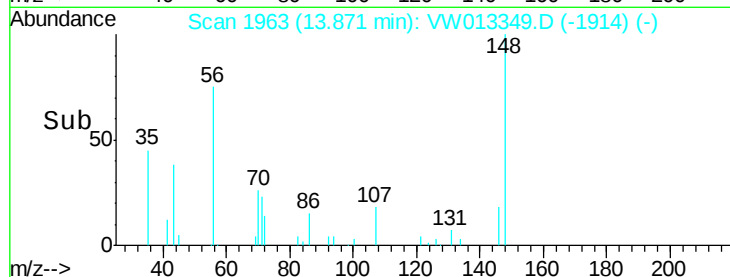
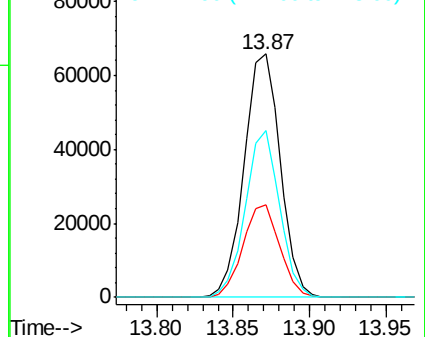
148 65.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 28.309 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013349.D

Acq: 30 Sep 2019 23:56

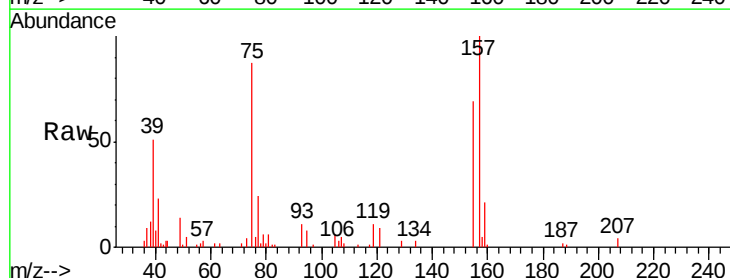
Tgt Ion: 75 Resp: 8921

Ion Ratio Lower Upper

75 100

155 99.4 46.1 138.3

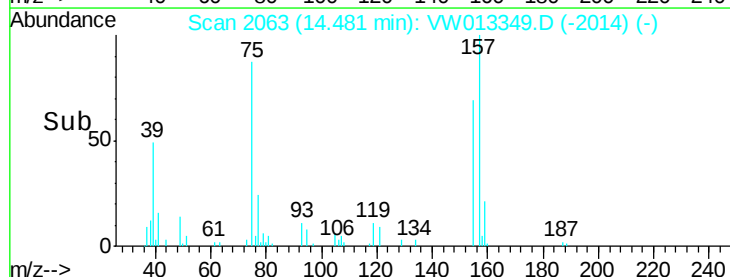
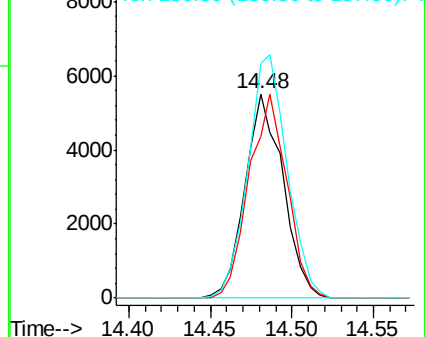
157 123.1 60.4 181.2

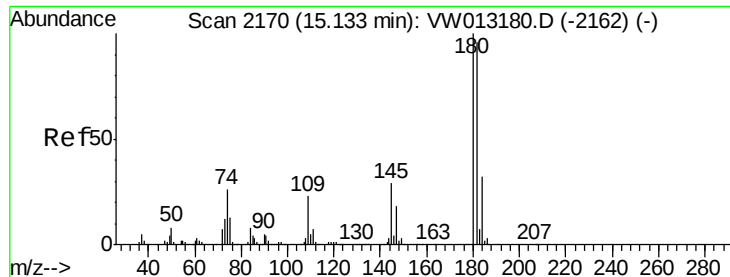


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

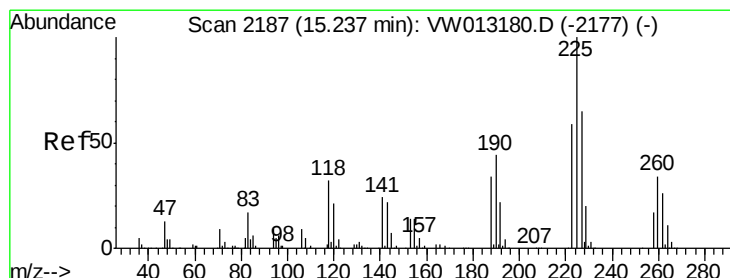
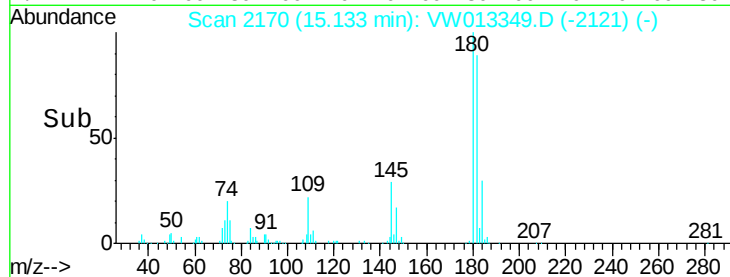
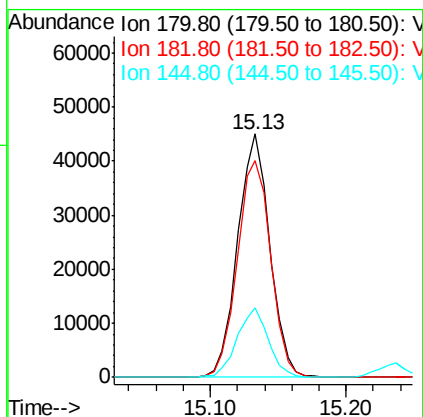
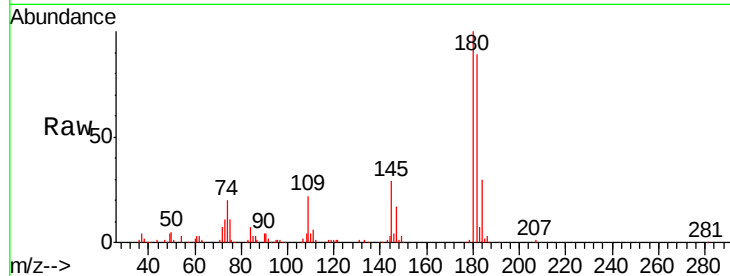




#93
 1,2,4-Trichlorobenzene
 Concen: 21.358 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

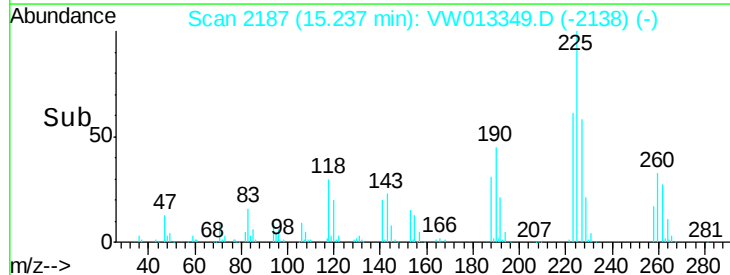
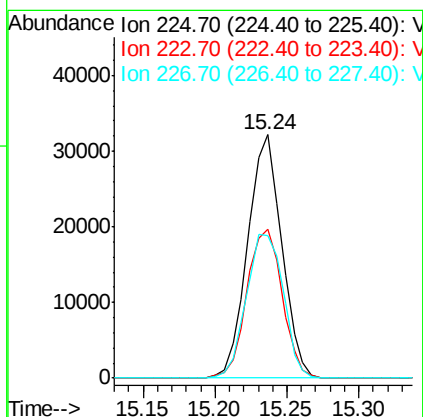
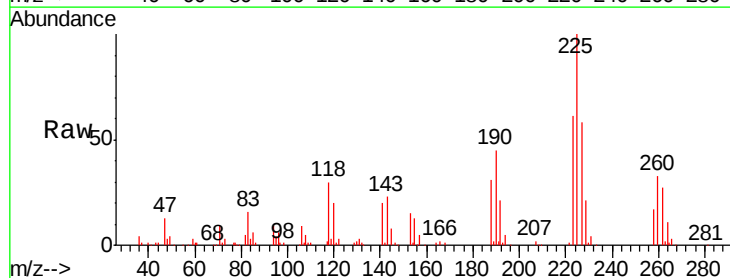
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

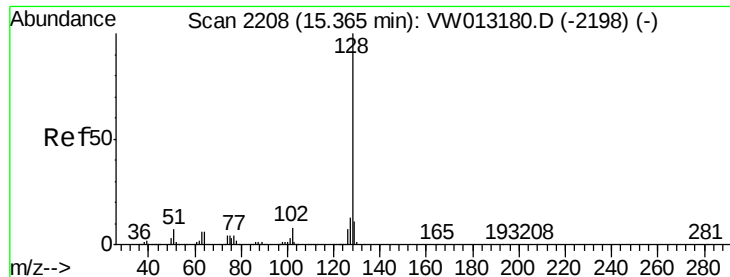
Tgt Ion:180 Resp: 74392
 Ion Ratio Lower Upper
 180 100
 182 92.1 47.3 142.0
 145 27.5 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 22.046 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013349.D
 Acq: 30 Sep 2019 23:56

Tgt Ion:225 Resp: 52534
 Ion Ratio Lower Upper
 225 100
 223 63.6 30.6 91.8
 227 64.4 31.9 95.9

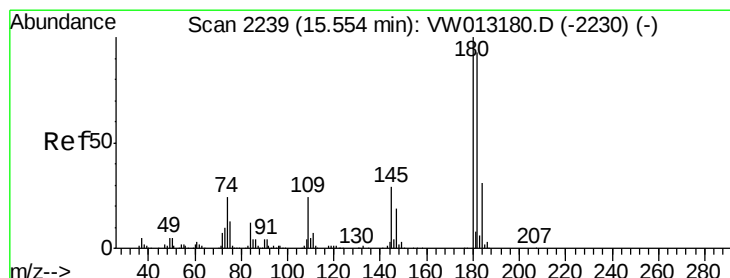
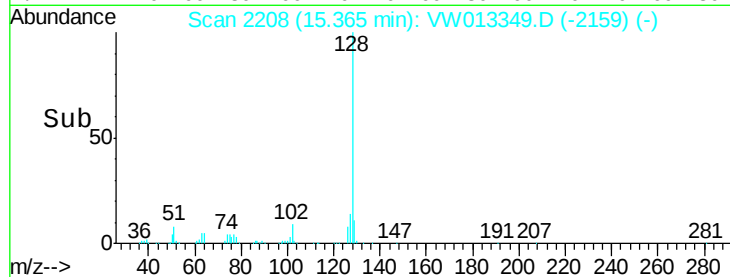
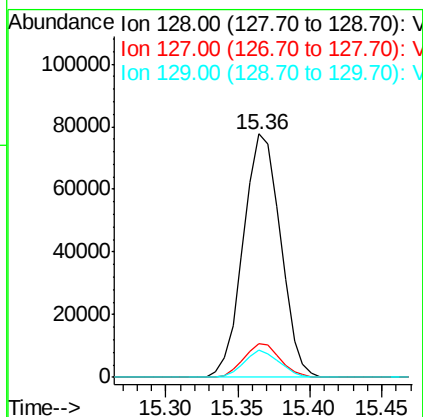
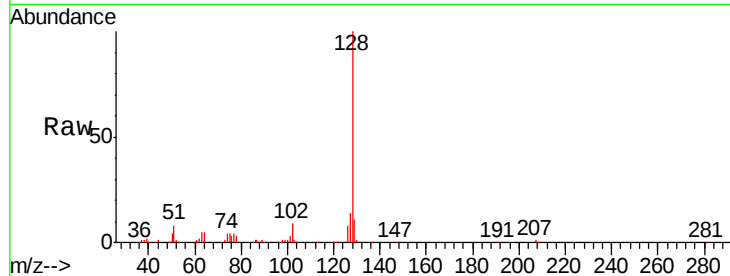




#95
Naphthalene
Concen: 24.439 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBSD01

Tgt Ion:128 Resp: 139220
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 10.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.801 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013349.D
Acq: 30 Sep 2019 23:56

Tgt Ion:180 Resp: 65612
Ion Ratio Lower Upper
180 100
182 96.7 47.9 143.7
145 30.4 15.0 45.0

