

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013247.D
 Acq On : 24 Sep 2019 00:18
 Operator : SY/VA
 Sample : VW0923SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS02

Quant Time: Sep 24 06:43:38 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	307803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	432540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	375380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	192039	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	129706	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
35) Dibromofluoromethane	7.88	113	125256	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
50) Toluene-d8	10.32	98	519506	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.62	95	177695	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	36238	20.410	ug/l	95
3) Chloromethane	2.20	50	44529	19.510	ug/l	97
4) Vinyl Chloride	2.35	62	55345	18.809	ug/l	97
5) Bromomethane	2.75	94	34286	18.387	ug/l	94
6) Chloroethane	2.90	64	31395	18.101	ug/l	94
7) Trichlorofluoromethane	3.24	101	26143	15.408	ug/l	94
8) Diethyl Ether	3.68	74	29528	20.375	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55969	20.262	ug/l	98
10) Methyl Iodide	4.26	142	76947	17.967	ug/l	99
11) Tert butyl alcohol	5.17	59	28752	155.158	ug/l	97
12) 1,1-Dichloroethene	4.04	96	54840	19.172	ug/l	95
13) Acrolein	3.88	56	15201	105.116	ug/l	98
14) Allyl chloride	4.66	41	79543	17.473	ug/l	99
15) Acrylonitrile	5.36	53	81024	129.530	ug/l	98
16) Acetone	4.12	43	63728	112.492	ug/l	94
17) Carbon Disulfide	4.38	76	153575	18.575	ug/l	99
18) Methyl Acetate	4.67	43	48051	30.174	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	90029	20.536	ug/l	97
20) Methylene Chloride	4.90	84	68101	21.871	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	58861	19.039	ug/l	99
22) Diisopropyl ether	6.31	45	163912	18.934	ug/l	95
23) Vinyl Acetate	6.25	43	516485	100.567	ug/l	99
24) 1,1-Dichloroethane	6.21	63	99066	18.964	ug/l	98
25) 2-Butanone	7.16	43	105856	124.474	ug/l	95
26) 2,2-Dichloropropane	7.16	77	57451	16.124	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	62722	19.224	ug/l	98
28) Bromochloromethane	7.51	49	34974	17.444	ug/l	95
29) Tetrahydrofuran	7.53	42	70949	136.038	ug/l	98
30) Chloroform	7.67	83	98704	19.299	ug/l	98
31) Cyclohexane	7.95	56	108311	19.891	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	79400	19.169	ug/l	100
36) 1,1-Dichloropropene	8.07	75	84754	20.230	ug/l	98
37) Ethyl Acetate	7.25	43	45338	25.463	ug/l	98
38) Carbon Tetrachloride	8.07	117	74657	19.879	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	114337	21.237	ug/l	98
40) Benzene	8.32	78	229443	19.635	ug/l	100
41) Methacrylonitrile	7.48	41	28012	26.360	ug/l	97
42) 1,2-Dichloroethane	8.40	62	63329	20.160	ug/l	98
43) Isopropyl Acetate	8.42	43	80587	23.615	ug/l	98
44) Trichloroethene	9.09	130	64166	19.571	ug/l	94
45) 1,2-Dichloropropane	9.37	63	56494	19.802	ug/l	96
46) Dibromomethane	9.46	93	30089	21.723	ug/l	98
47) Bromodichloromethane	9.64	83	68476	19.429	ug/l	97
48) Methyl methacrylate	9.43	41	37005	23.061	ug/l	96
49) 1,4-Dioxane	9.45	88	12583	605.205	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	224471	131.210	ug/l	99
52) Toluene	10.38	92	148295	19.801	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	71213	19.667	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	84265	19.139	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	44566	21.527	ug/l	98
56) Ethyl methacrylate	10.65	69	62237	22.970	ug/l	99
57) 1,3-Dichloropropane	10.93	76	77647	21.493	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	149973	119.565	ug/l	100
59) 2-Hexanone	10.97	43	151848	129.012	ug/l	99
60) Dibromochloromethane	11.13	129	47434	20.178	ug/l	99
61) 1,2-Dibromoethane	11.23	107	43951	22.328	ug/l	100
64) Tetrachloroethene	10.86	164	63275	22.216	ug/l	95
65) Chlorobenzene	11.65	112	152599	19.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	52537	19.618	ug/l	99
67) Ethyl Benzene	11.72	91	281835	19.844	ug/l	98
68) m/p-Xylenes	11.83	106	217506	40.188	ug/l	99
69) o-Xylene	12.16	106	98354	19.546	ug/l	99
70) Styrene	12.18	104	169107	19.576	ug/l	99
71) Bromoform	12.35	173	30262	21.390	ug/l #	96
73) Isopropylbenzene	12.46	105	282654	19.925	ug/l	99
74) N-amyl acetate	12.27	43	70109	22.272	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	55315	23.315	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	68592	40.444	ug/l #	100
77) Bromobenzene	12.74	156	63915	19.013	ug/l	94
78) n-propylbenzene	12.80	91	330506	19.904	ug/l	100
79) 2-Chlorotoluene	12.89	91	179824	19.330	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	237029	19.877	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16179	21.406	ug/l	95
82) 4-Chlorotoluene	12.99	91	187242	19.086	ug/l	99
83) tert-Butylbenzene	13.21	119	210092	20.073	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	232686	19.609	ug/l	98
85) sec-Butylbenzene	13.38	105	291481	20.199	ug/l	99
86) p-Isopropyltoluene	13.50	119	264988	19.799	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	125008	19.322	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	124808	19.669	ug/l	98
89) n-Butylbenzene	13.82	91	238351	19.503	ug/l	99
90) Hexachloroethane	14.09	117	44266	19.688	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	113316	20.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8961	24.694	ug/l	93

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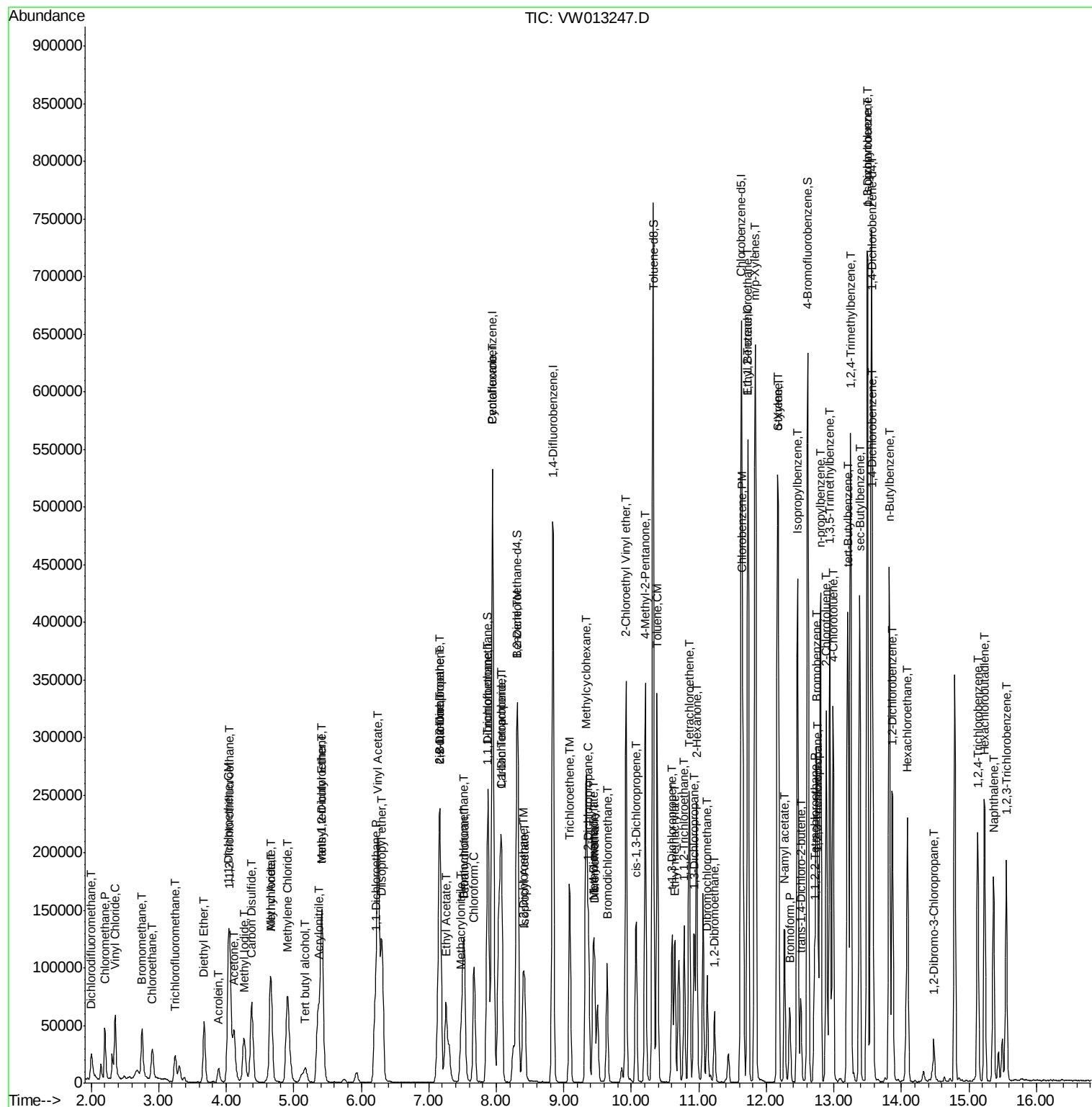
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	77576	19.342	ug/l	97
94) Hexachlorobutadiene	15.24	225	56028	20.418	ug/l	100
95) Naphthalene	15.36	128	154163	23.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	69982	20.193	ug/l	98

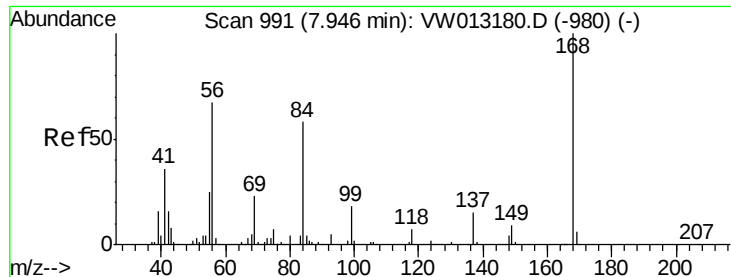
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

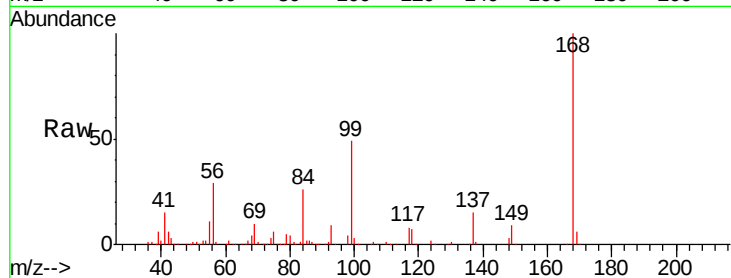
VW0923SBS02

Tgt Ion:168 Resp: 307803

Ion Ratio Lower Upper

168 100

99 49.5 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

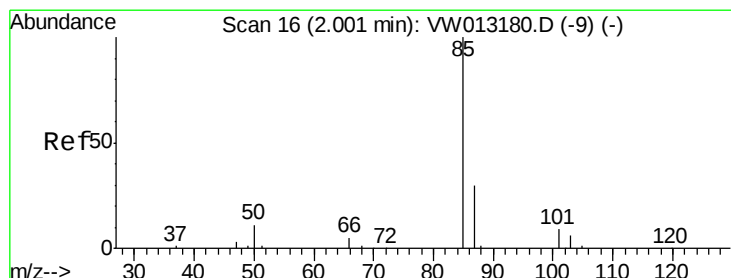
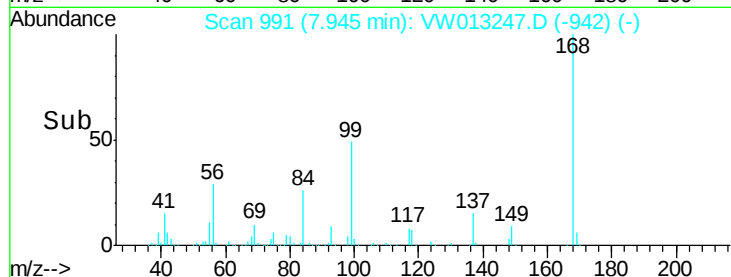
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 20.410 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW013247.D

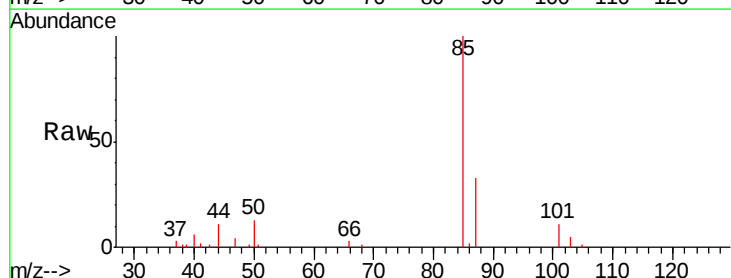
Acq: 24 Sep 2019 00:18

Tgt Ion: 85 Resp: 36238

Ion Ratio Lower Upper

85 100

87 33.0 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

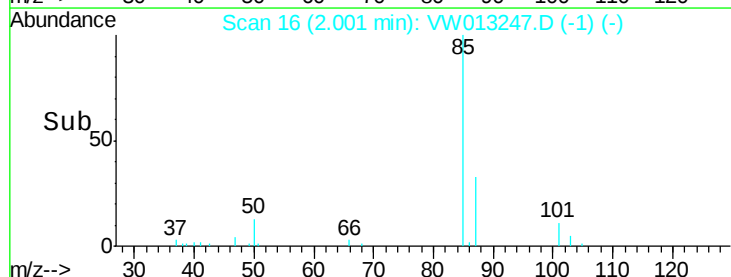
15000

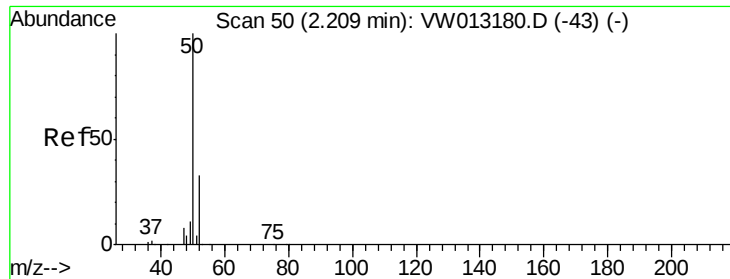
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.510 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

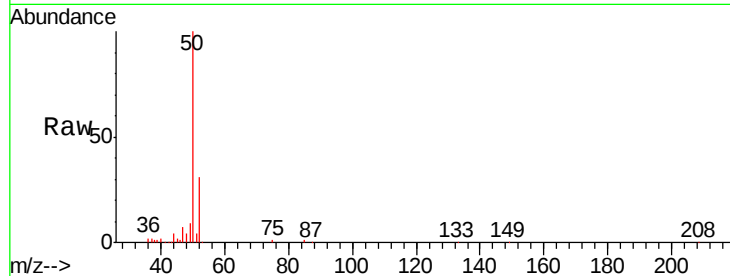
VW0923SBS02

Tgt Ion: 50 Resp: 44529

Ion Ratio Lower Upper

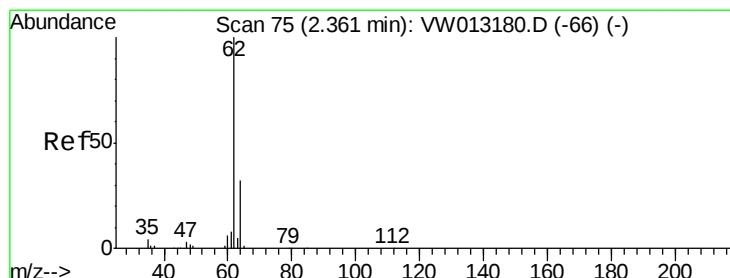
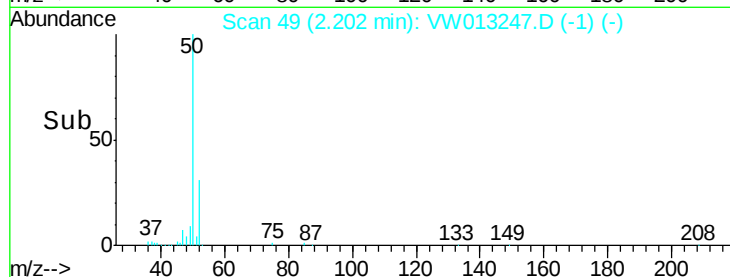
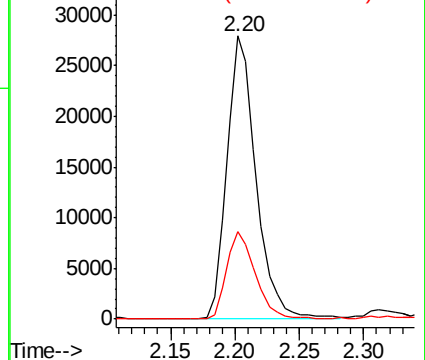
50 100

52 30.7 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 18.809 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013247.D

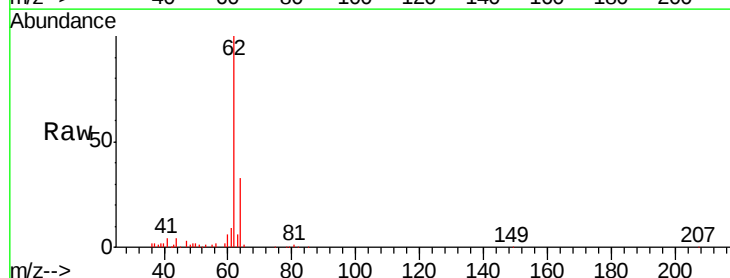
Acq: 24 Sep 2019 00:18

Tgt Ion: 62 Resp: 55345

Ion Ratio Lower Upper

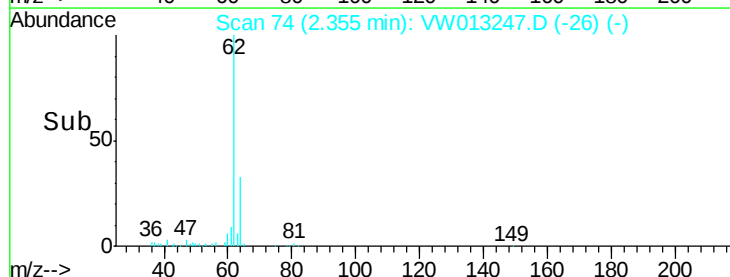
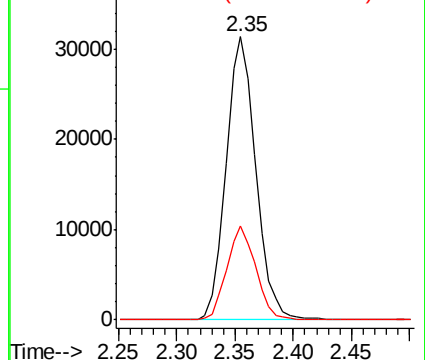
62 100

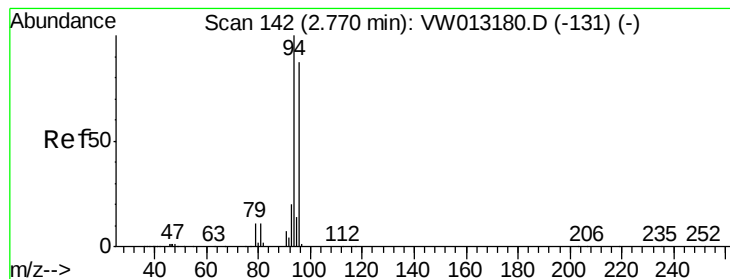
64 33.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 18.387 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

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ClientSampleId :

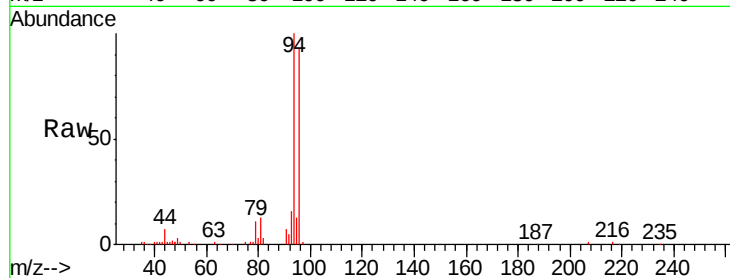
VW0923SBS02

Tgt Ion: 94 Resp: 34286

Ion Ratio Lower Upper

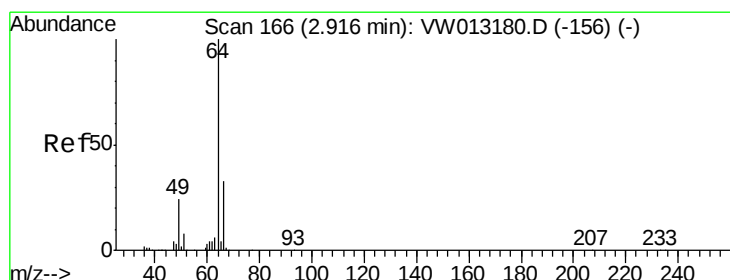
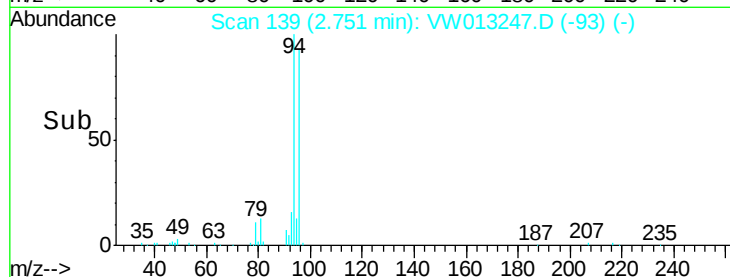
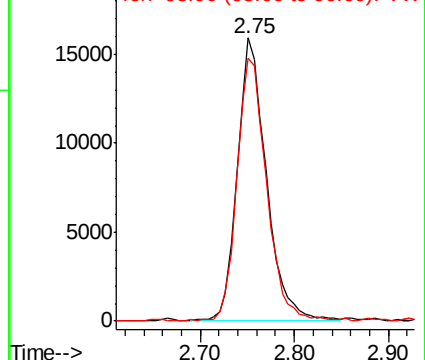
94 100

96 92.4 69.7 104.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.101 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW013247.D

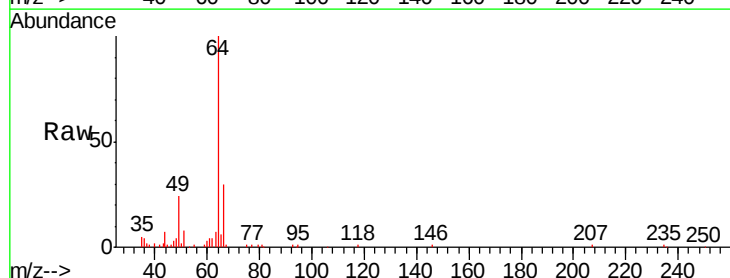
Acq: 24 Sep 2019 00:18

Tgt Ion: 64 Resp: 31395

Ion Ratio Lower Upper

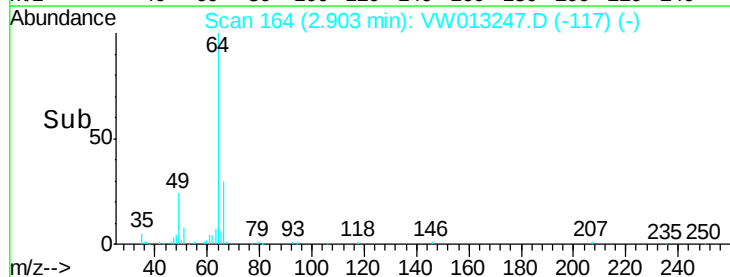
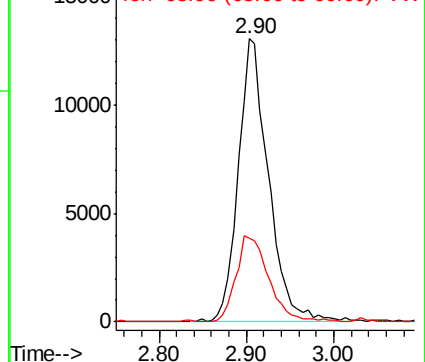
64 100

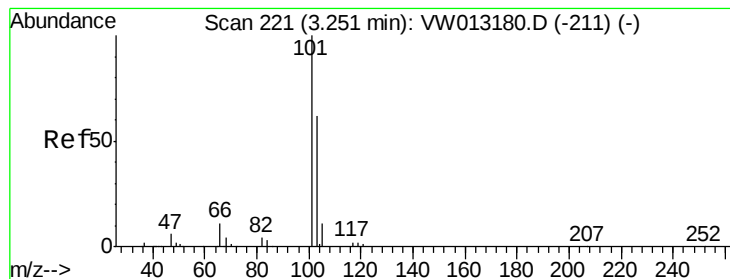
66 29.7 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



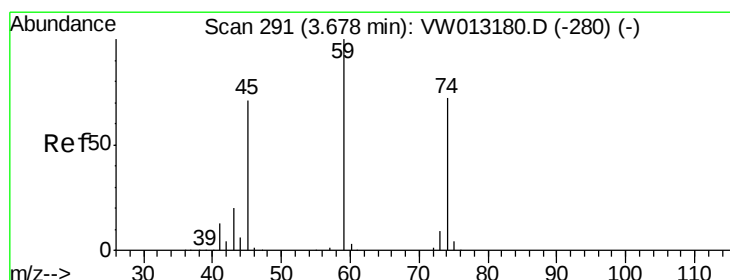
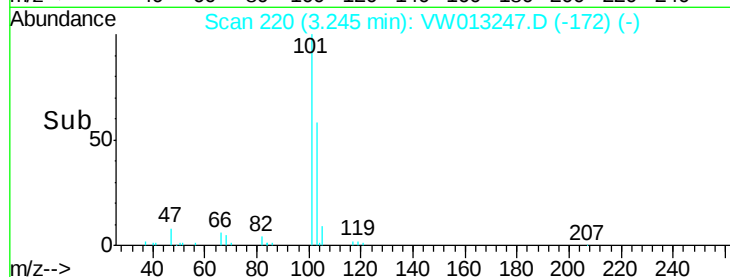
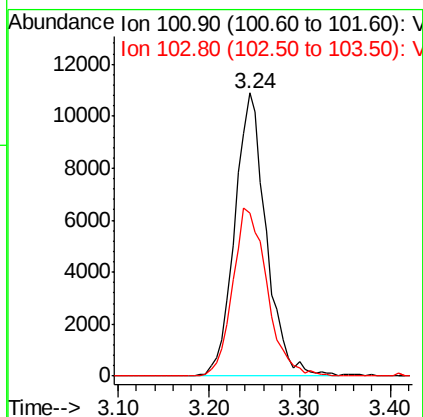
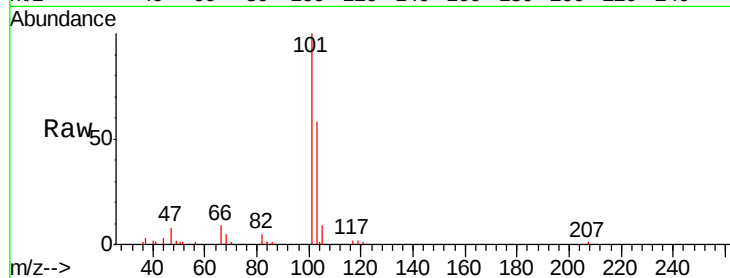


#7

Trichlorofluoromethane
Concen: 15.408 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Instrument :
MSVOA_W
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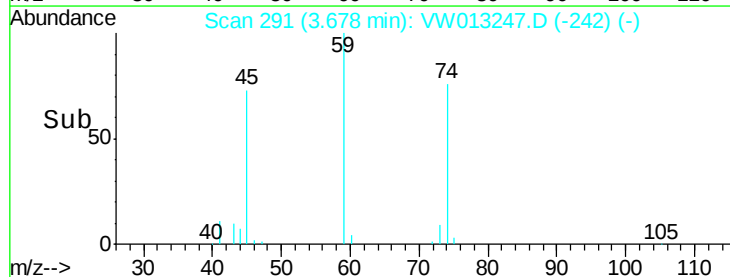
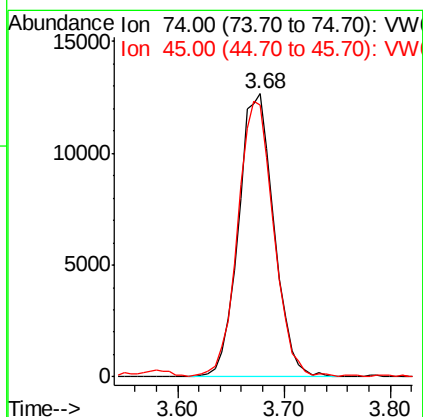
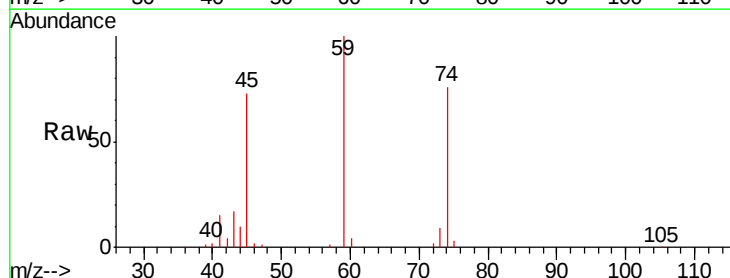
Tgt Ion:101 Resp: 26143
Ion Ratio Lower Upper
101 100
103 57.8 49.7 74.5

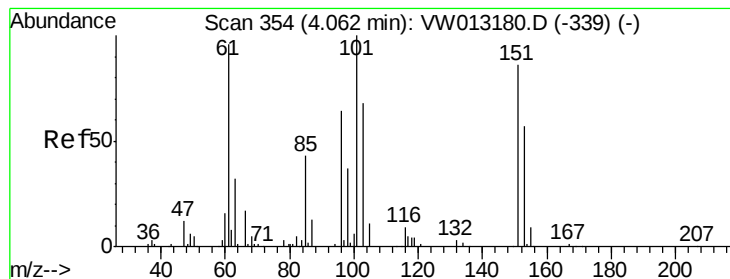


#8

Diethyl Ether
Concen: 20.375 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Tgt Ion: 74 Resp: 29528
Ion Ratio Lower Upper
74 100
45 99.3 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.262 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013247.D

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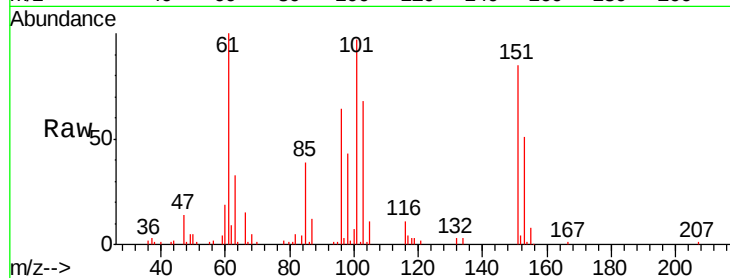
Tgt Ion:101 Resp: 55969

Ion Ratio Lower Upper

101 100

85 39.4 33.4 50.0

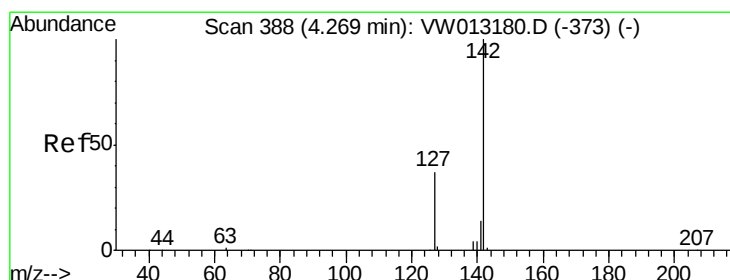
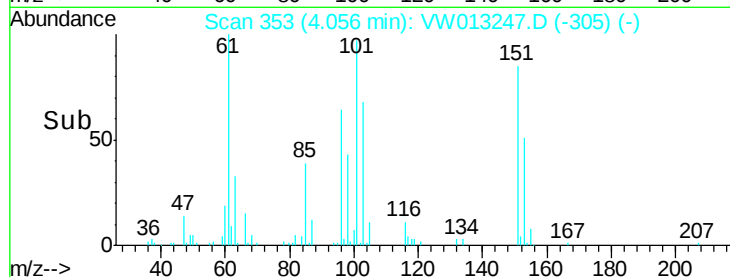
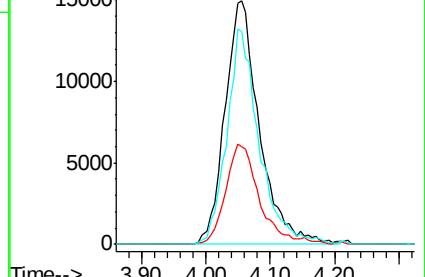
151 82.9 66.9 100.3



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: 17.967 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

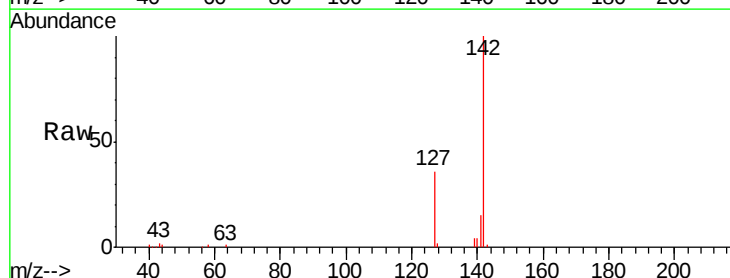
Tgt Ion:142 Resp: 76947

Ion Ratio Lower Upper

142 100

127 37.9 30.9 46.3

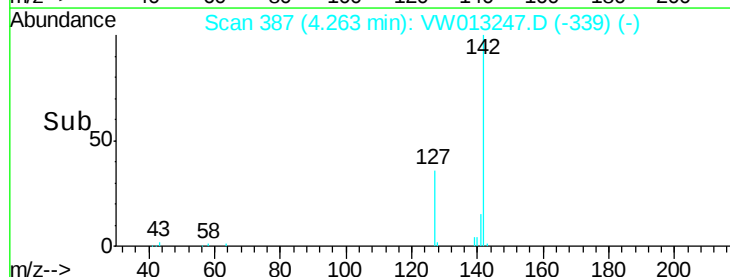
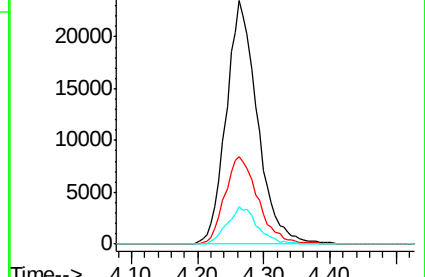
141 14.7 11.7 17.5

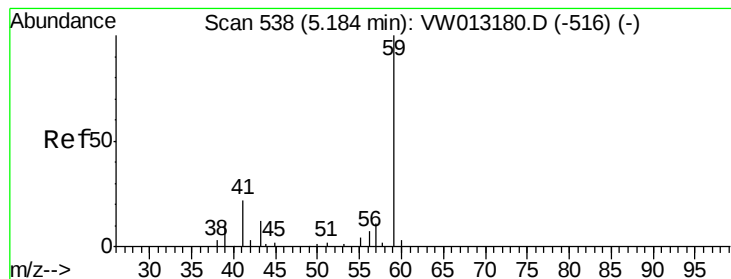


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



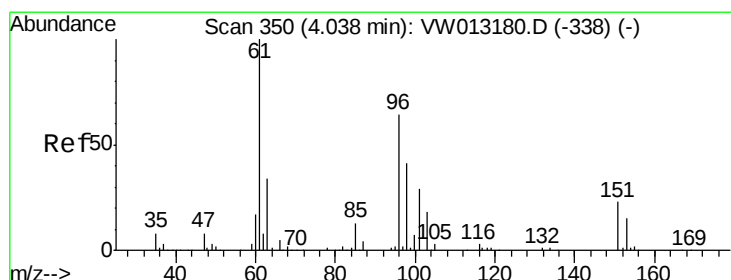
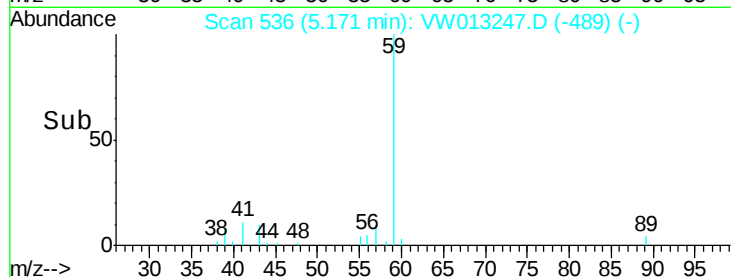
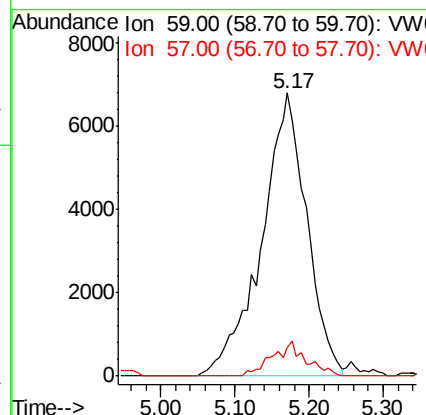
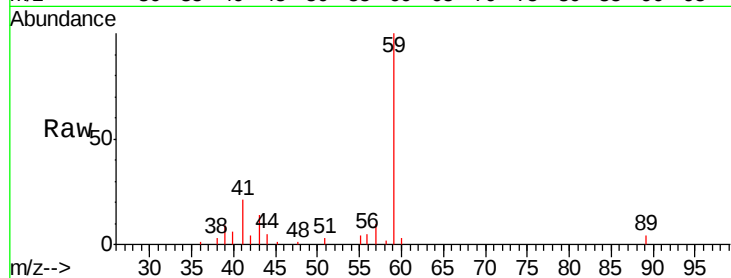


#11

Tert butyl alcohol
 Concen: 155.158 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS02

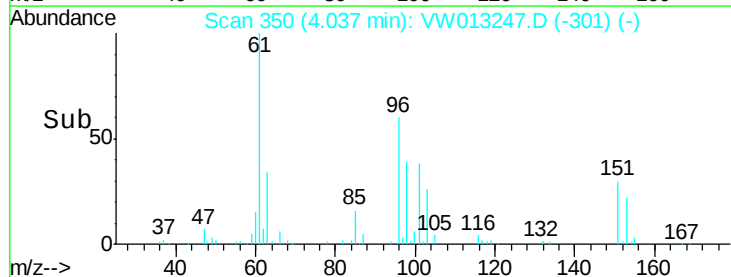
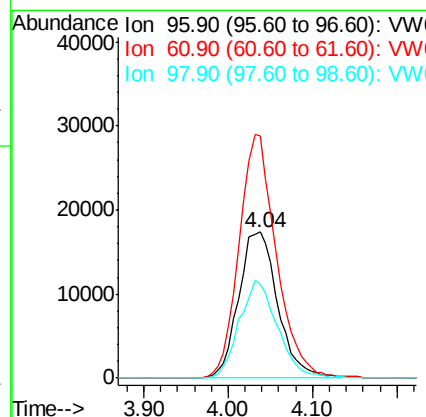
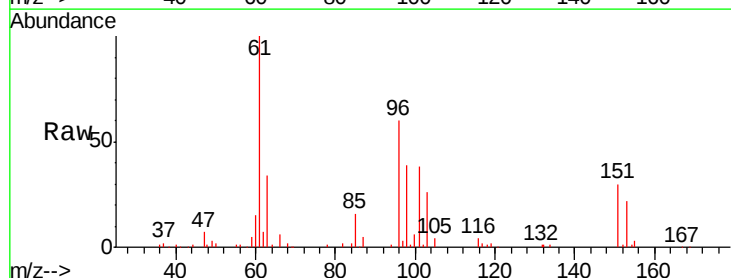
Tgt Ion: 59 Resp: 28752
 Ion Ratio Lower Upper
 59 100
 57 9.1 8.2 12.2

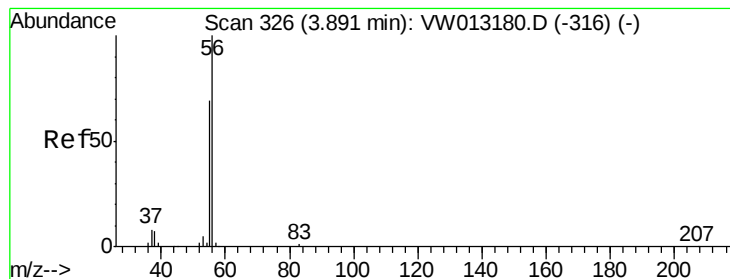


#12

1,1-Dichloroethene
 Concen: 19.172 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

Tgt Ion: 96 Resp: 54840
 Ion Ratio Lower Upper
 96 100
 61 165.8 125.1 187.7
 98 64.5 50.8 76.2





#13

Acrolein

Concen: 105.116 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

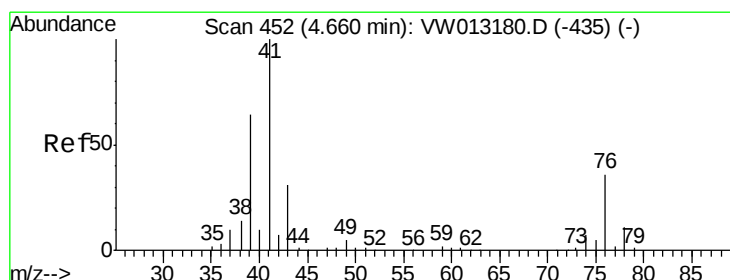
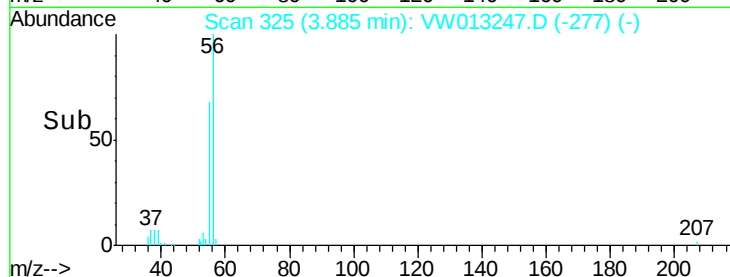
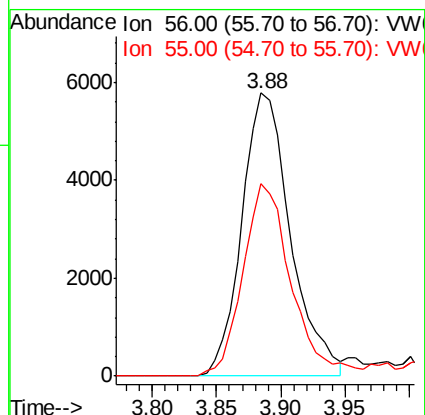
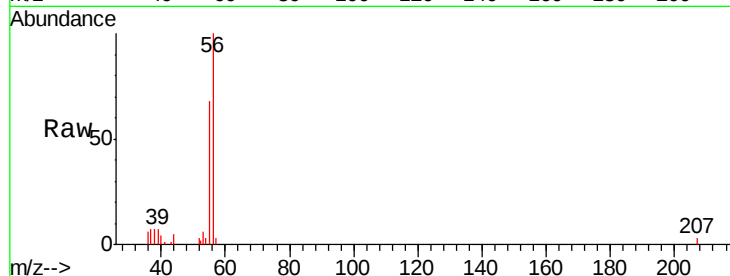
VW0923SBS02

Tgt Ion: 56 Resp: 15201

Ion Ratio Lower Upper

56 100

55 67.2 55.4 83.0



#14

Allyl chloride

Concen: 17.473 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

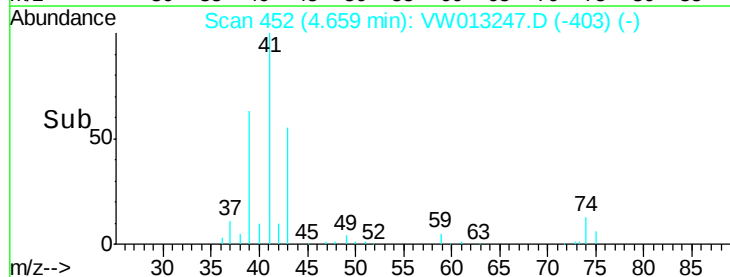
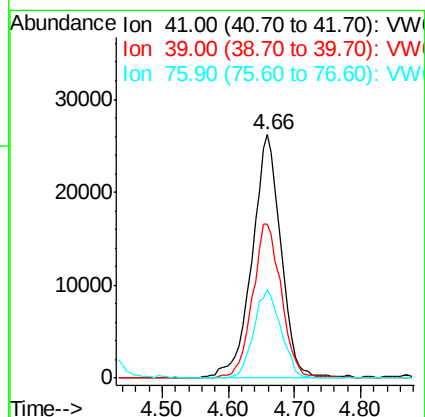
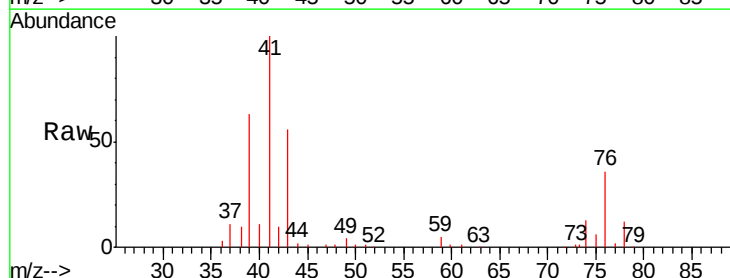
Tgt Ion: 41 Resp: 79543

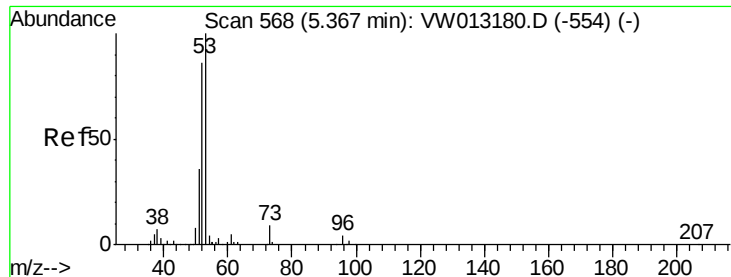
Ion Ratio Lower Upper

41 100

39 63.2 51.0 76.4

76 34.2 28.4 42.6





#15

Acrylonitrile

Concen: 129.530 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS02

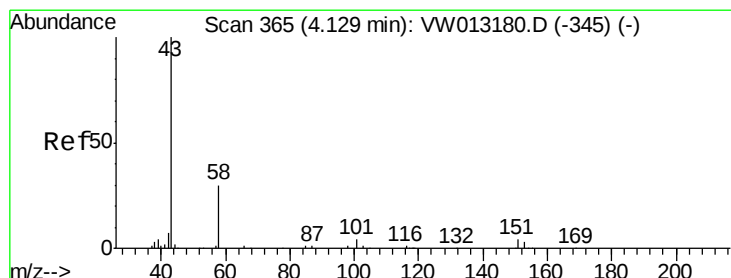
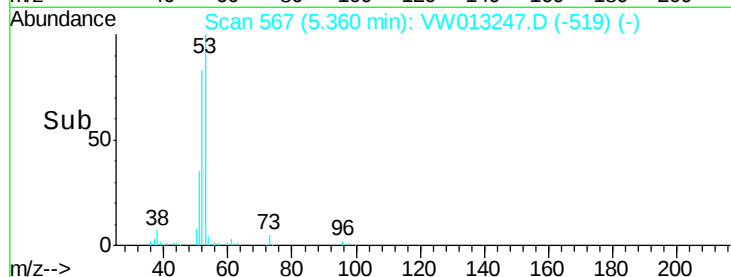
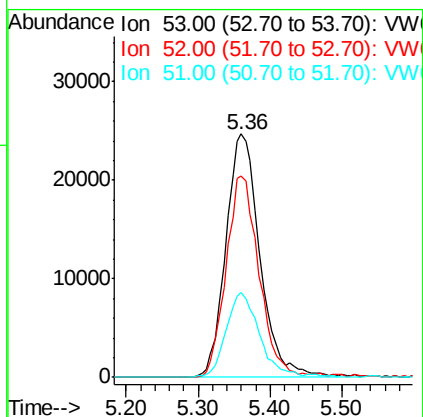
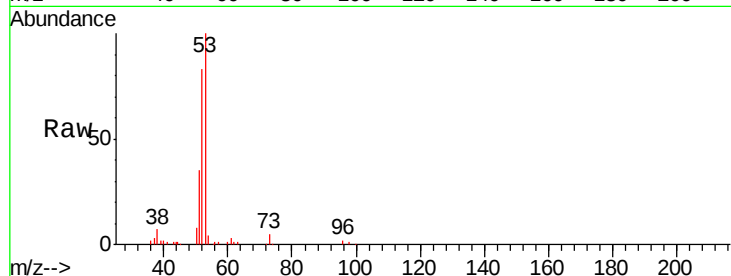
Tgt Ion: 53 Resp: 81024

Ion Ratio Lower Upper

53 100

52 80.1 65.3 97.9

51 33.9 29.0 43.4



#16

Acetone

Concen: 112.492 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW013247.D

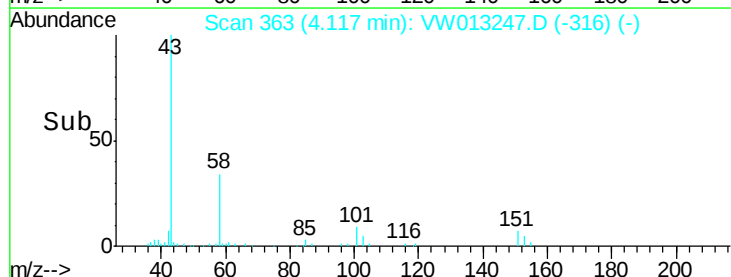
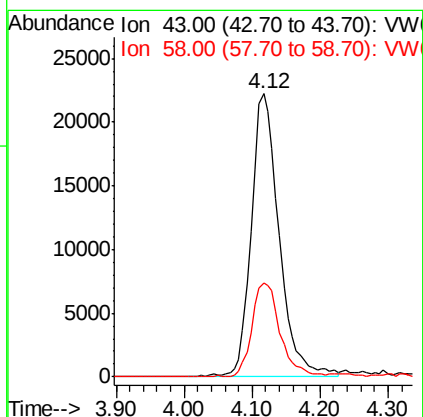
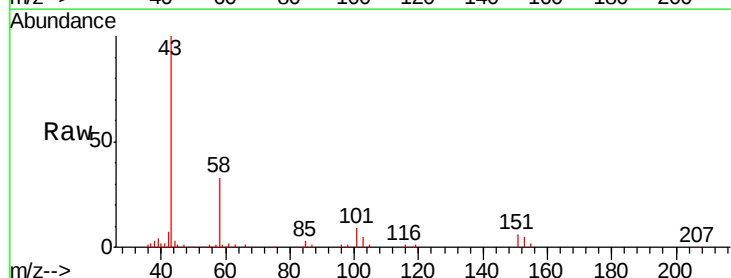
Acq: 24 Sep 2019 00:18

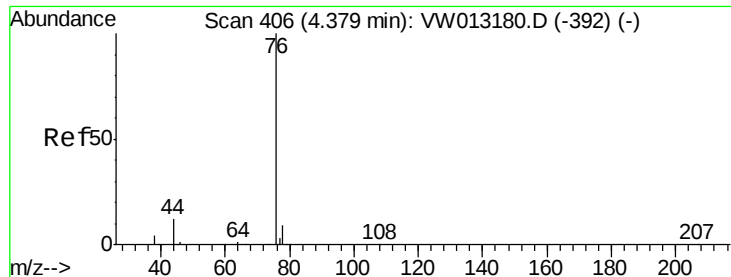
Tgt Ion: 43 Resp: 63728

Ion Ratio Lower Upper

43 100

58 33.4 24.1 36.1

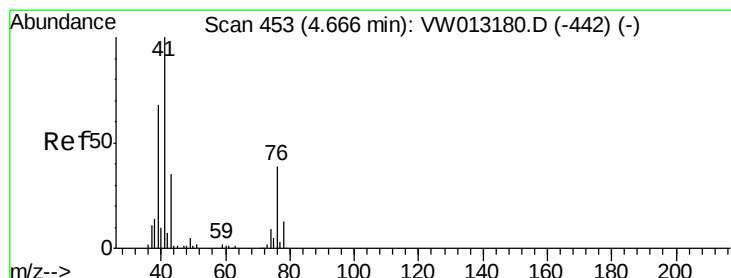
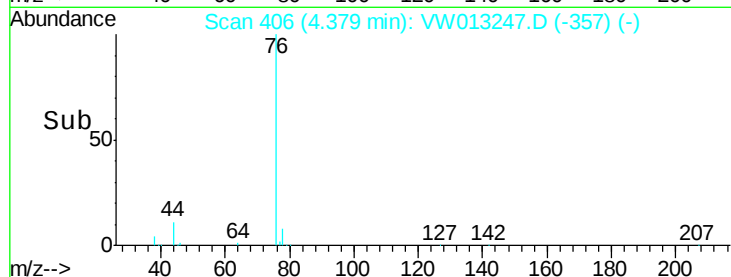
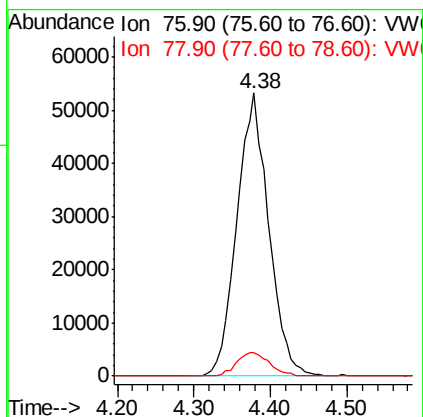
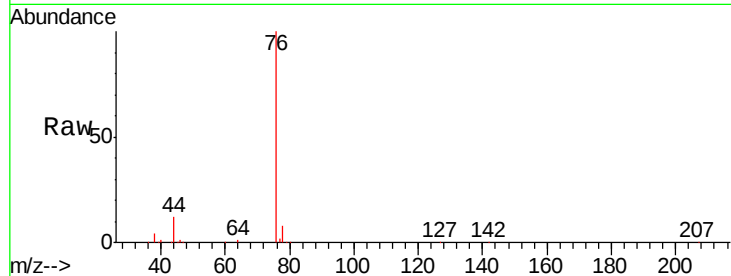




#17
Carbon Disulfide
Concen: 18.575 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

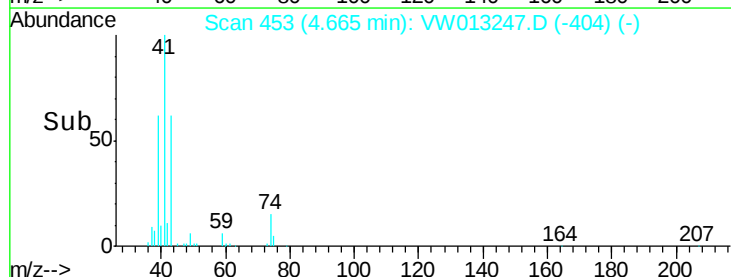
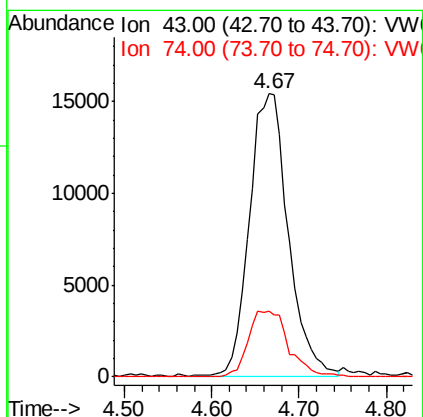
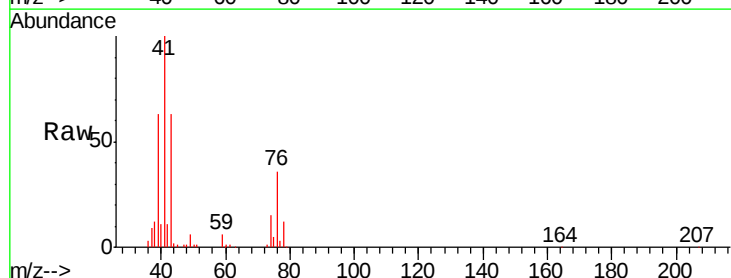
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS02

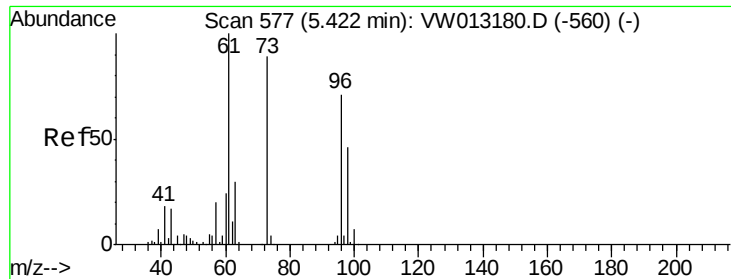
Tgt Ion: 76 Resp: 153575
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.4



#18
Methyl Acetate
Concen: 30.174 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Tgt Ion: 43 Resp: 48051
Ion Ratio Lower Upper
43 100
74 24.2 19.3 28.9

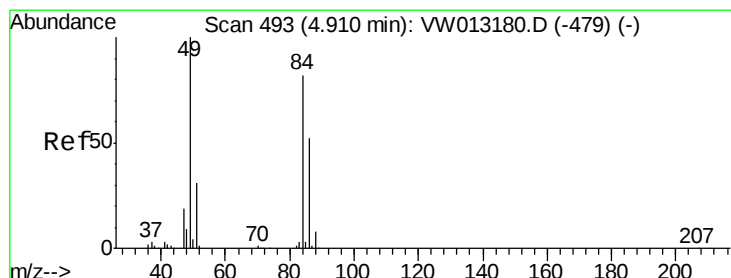
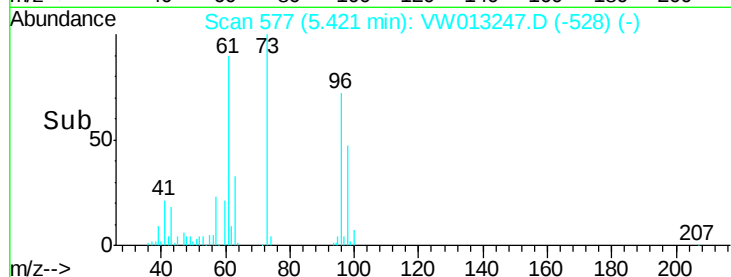
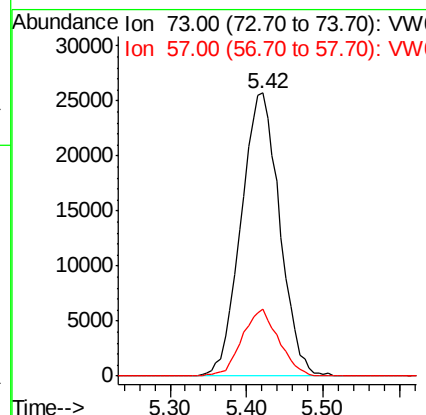
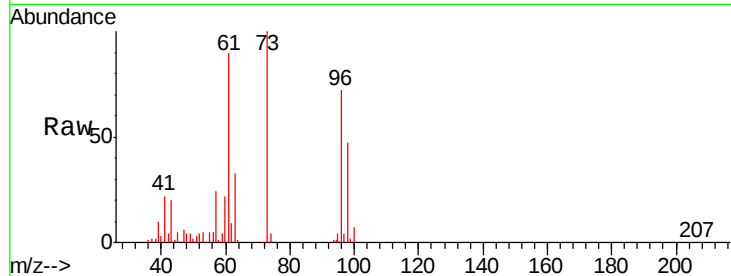




#19
Methyl tert-butyl Ether
Concen: 20.536 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

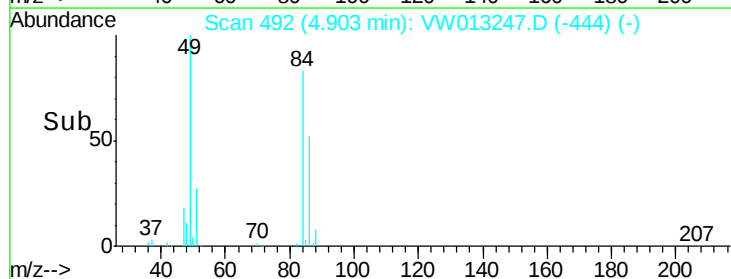
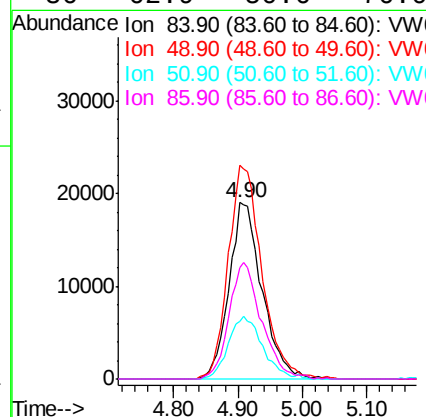
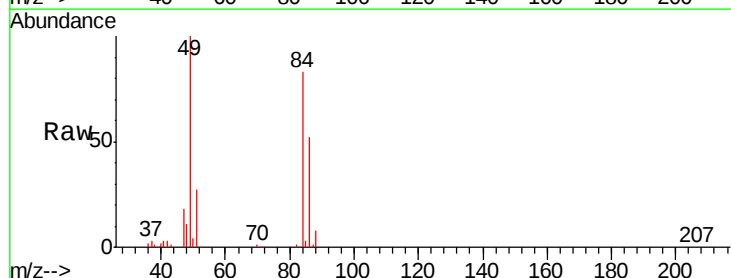
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS02

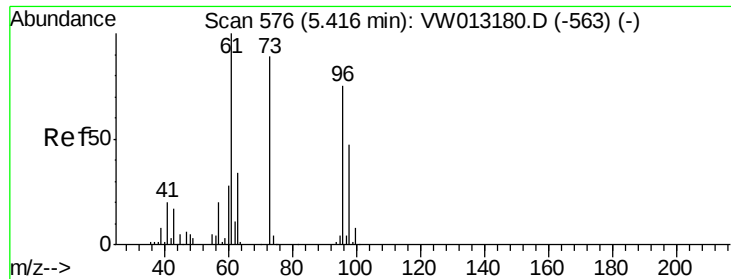
Tgt Ion: 73 Resp: 90029
Ion Ratio Lower Upper
73 100
57 23.5 17.6 26.4



#20
Methylene Chloride
Concen: 21.871 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Tgt Ion: 84 Resp: 68101
Ion Ratio Lower Upper
84 100
49 121.0 97.6 146.4
51 32.8 30.2 45.2
86 62.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.039 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS02

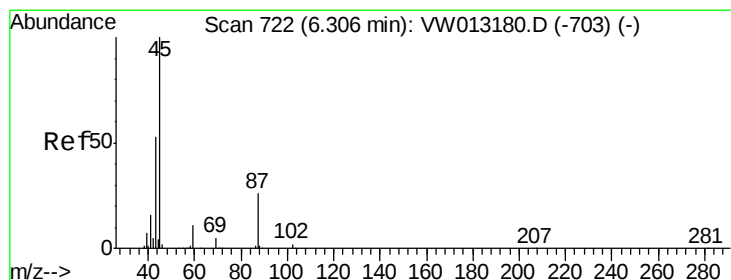
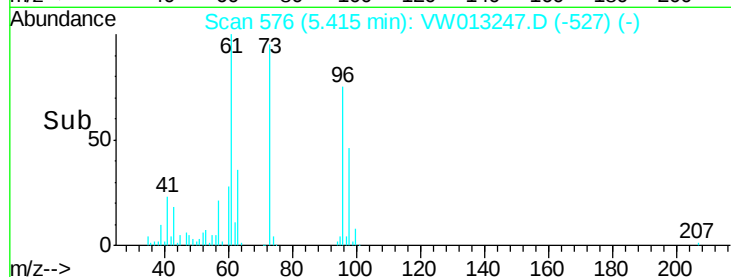
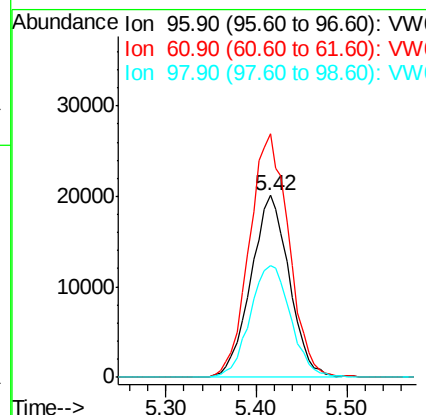
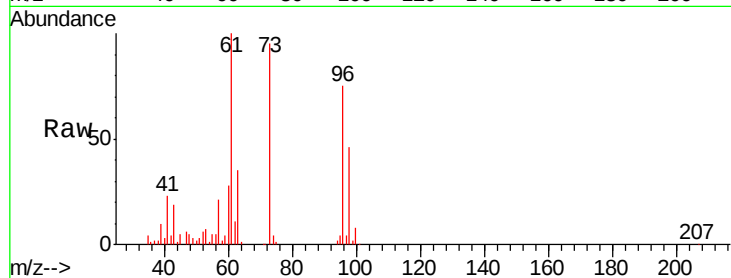
Tgt Ion: 96 Resp: 58861

Ion Ratio Lower Upper

96 100

61 133.9 106.6 159.8

98 61.4 49.8 74.8



#22

Diisopropyl ether

Concen: 18.934 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Tgt Ion: 45 Resp: 163912

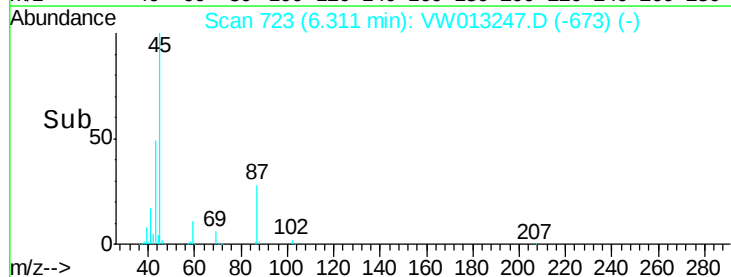
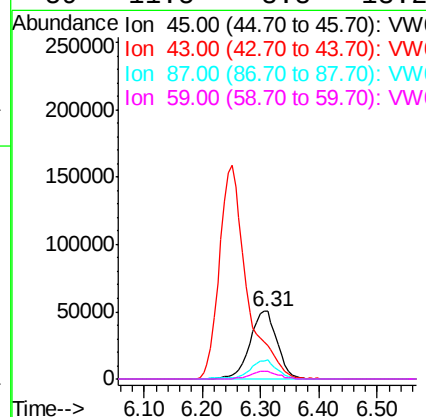
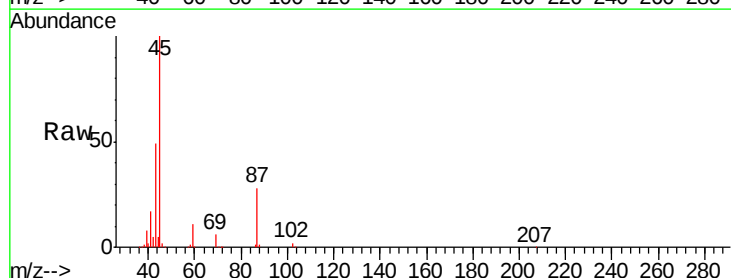
Ion Ratio Lower Upper

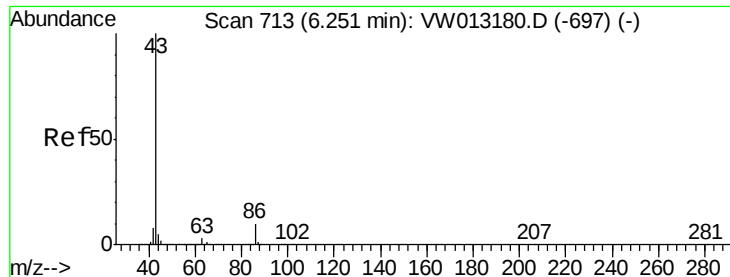
45 100

43 48.2 42.4 63.6

87 27.7 20.4 30.6

59 11.5 8.8 13.2

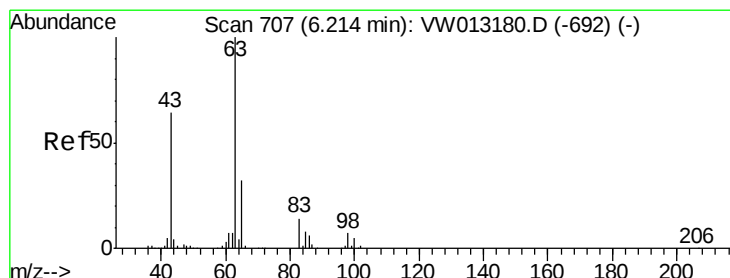
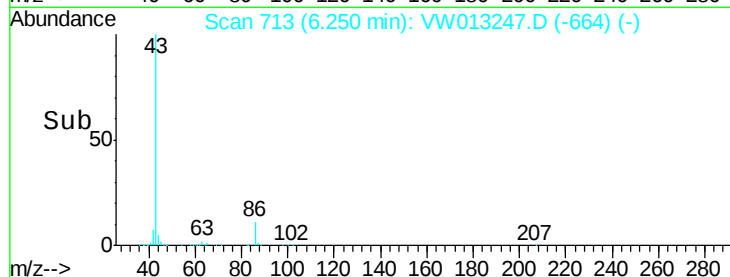
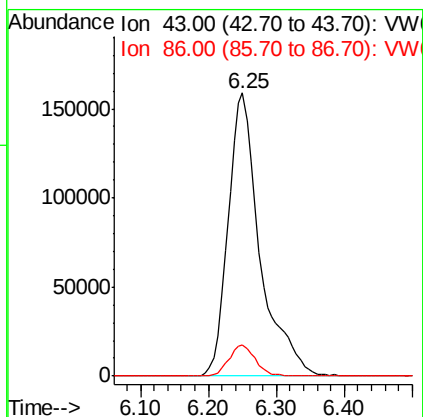
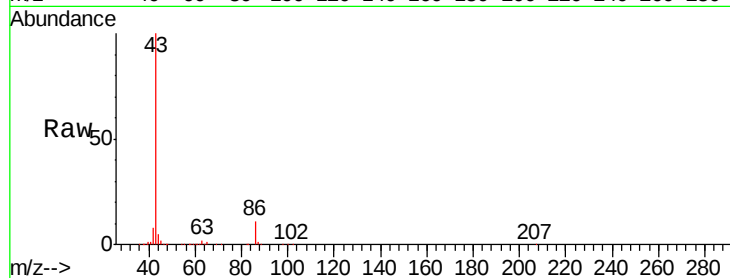




#23
 Vinyl Acetate
 Concen: 100.567 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

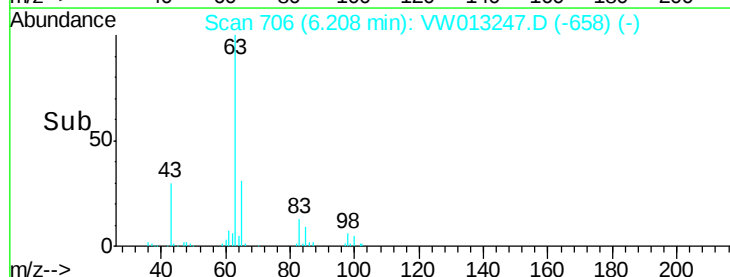
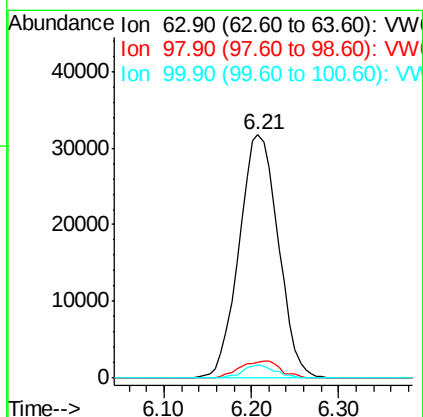
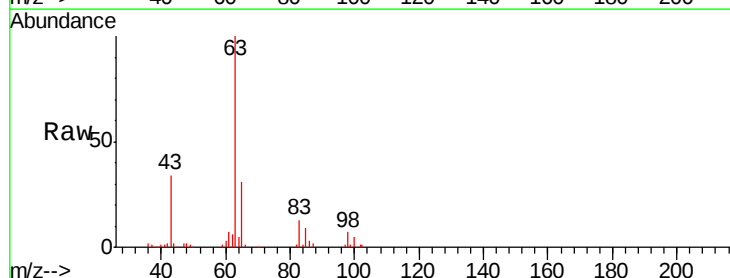
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS02

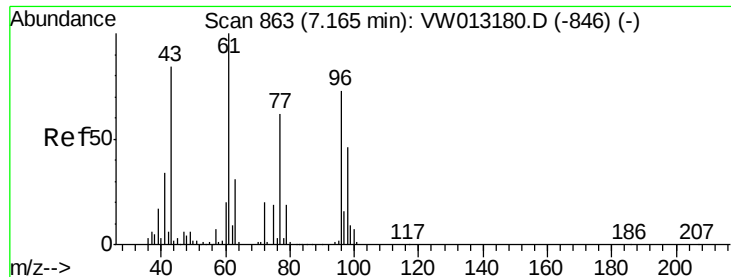
Tgt Ion: 43 Resp: 516485
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 18.964 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

Tgt Ion: 63 Resp: 99066
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.5
 100 5.4 2.4 7.1





#25

2-Butanone

Concen: 124.474 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

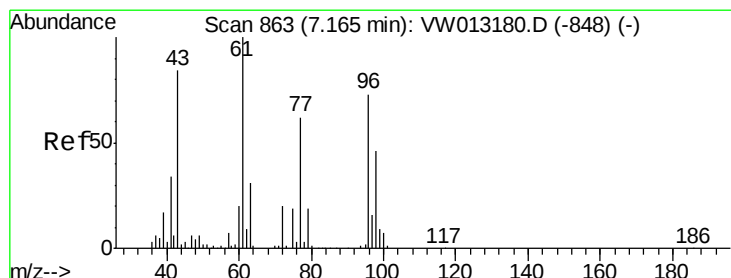
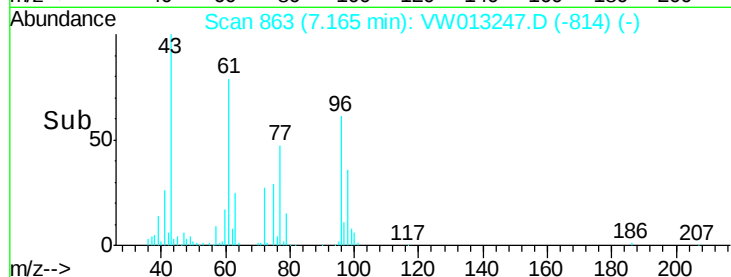
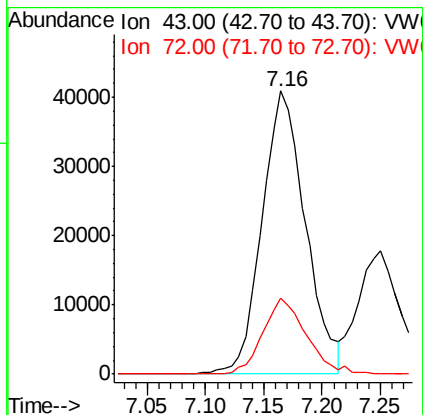
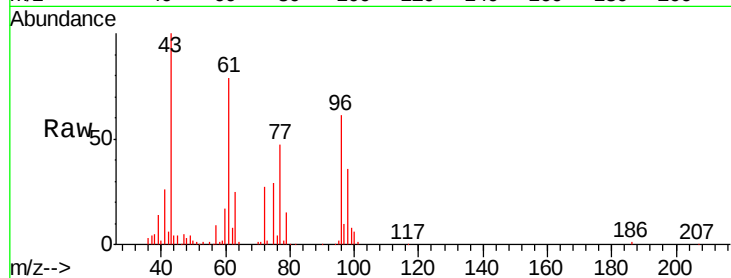
VW0923SBS02

Tgt Ion: 43 Resp: 105856

Ion Ratio Lower Upper

43 100

72 26.7 19.4 29.0



#26

2,2-Dichloropropane

Concen: 16.124 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013247.D

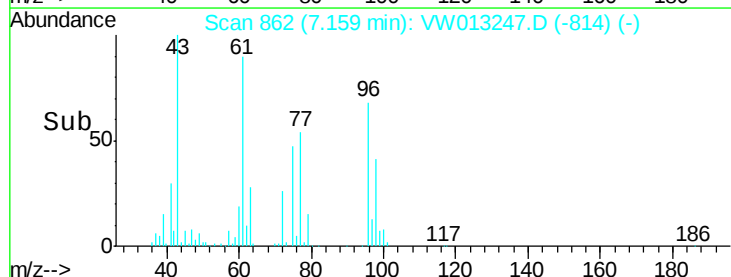
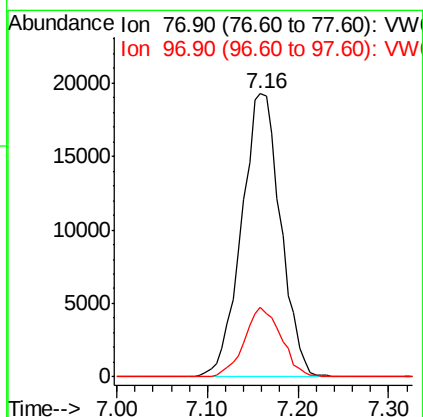
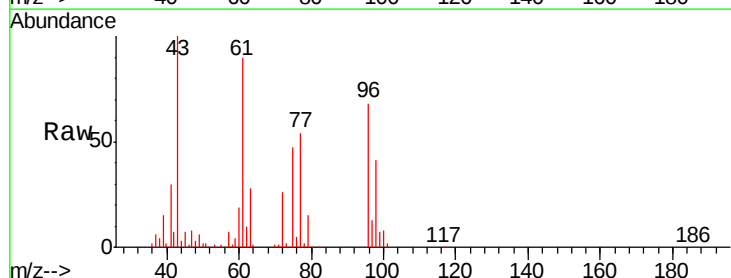
Acq: 24 Sep 2019 00:18

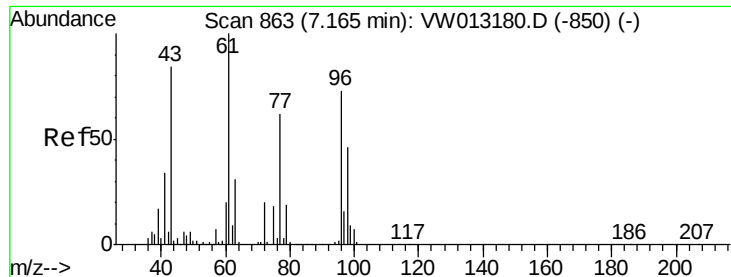
Tgt Ion: 77 Resp: 57451

Ion Ratio Lower Upper

77 100

97 23.2 11.8 35.4



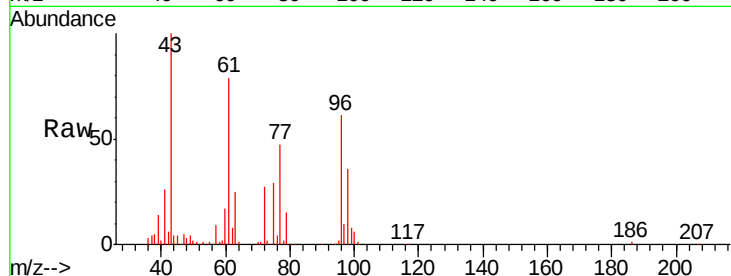


#27

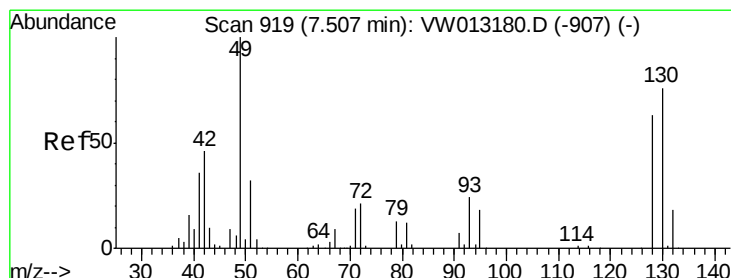
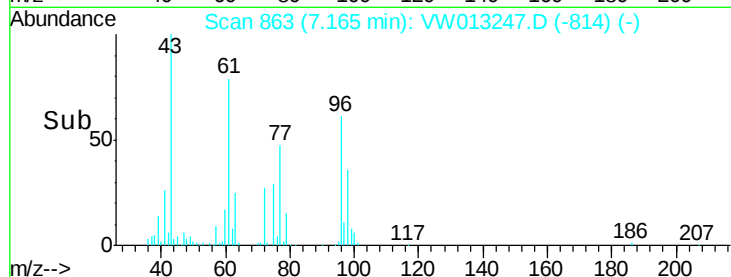
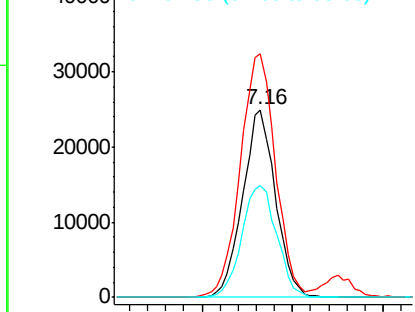
cis-1,2-Dichloroethene
 Concen: 19.224 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS02

Tgt Ion: 96 Resp: 62722
 Ion Ratio Lower Upper
 96 100
 61 138.3 0.0 282.4
 98 63.2 0.0 128.2



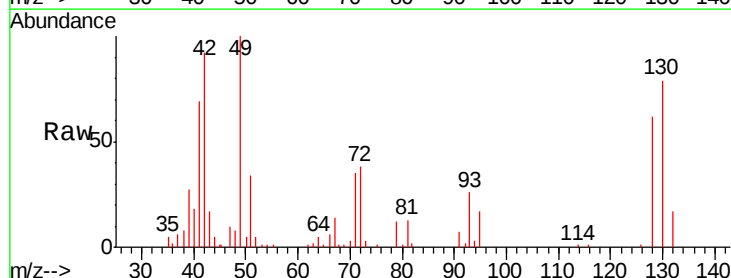
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



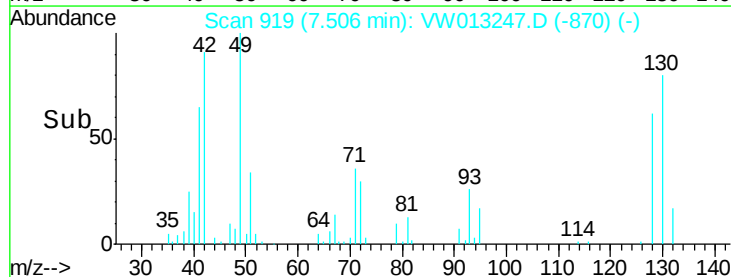
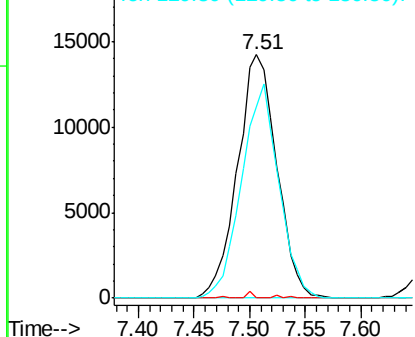
#28

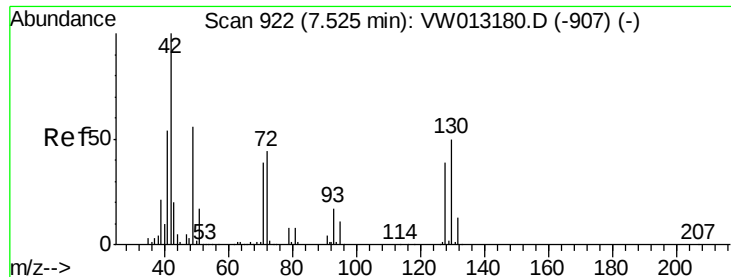
Bromochloromethane
 Concen: 17.444 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

Tgt Ion: 49 Resp: 34974
 Ion Ratio Lower Upper
 49 100
 129 0.4 0.0 1.0
 130 83.4 63.4 95.2



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

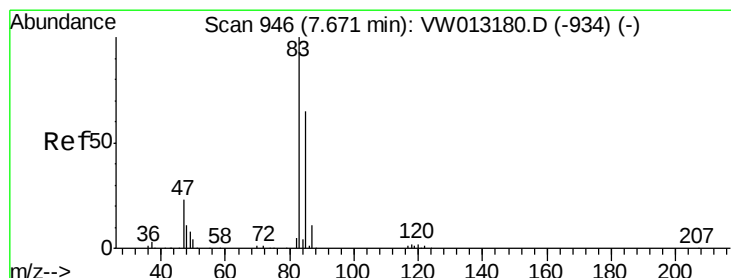
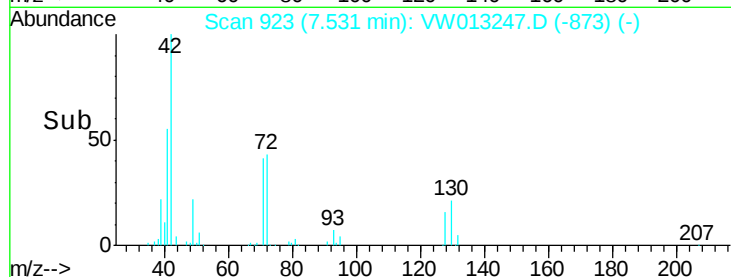
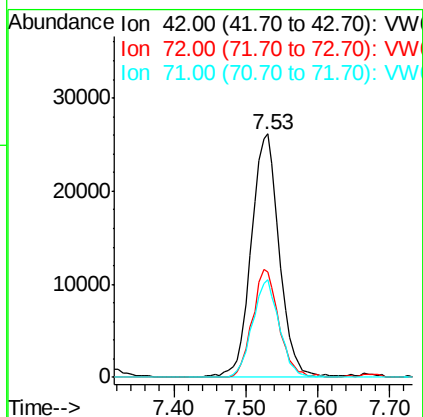
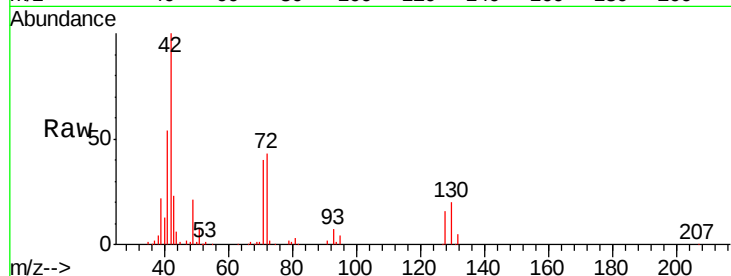




#29
Tetrahydrofuran
Concen: 136.038 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

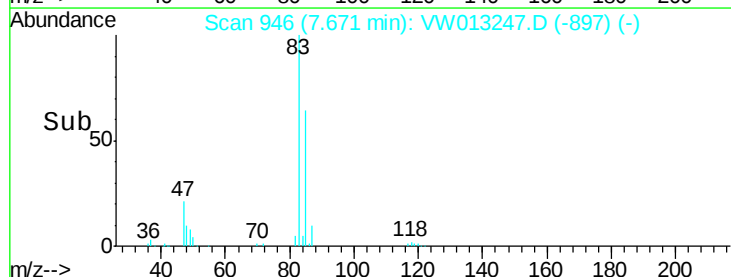
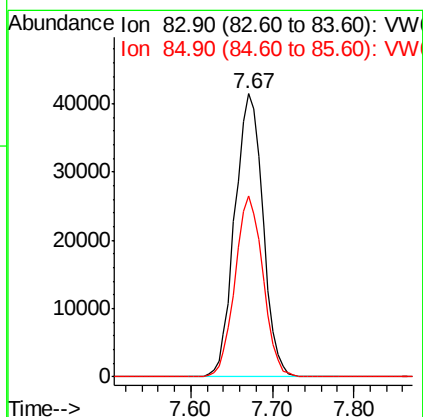
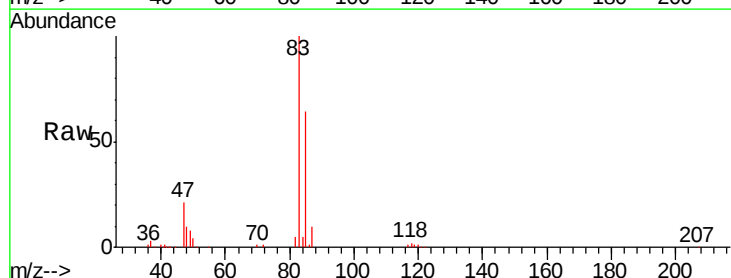
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS02

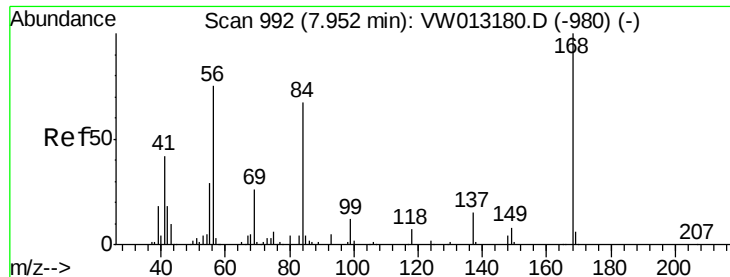
Tgt Ion: 42 Resp: 70949
Ion Ratio Lower Upper
42 100
72 41.5 33.9 50.9
71 38.1 31.9 47.9



#30
Chloroform
Concen: 19.299 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Tgt Ion: 83 Resp: 98704
Ion Ratio Lower Upper
83 100
85 64.0 52.3 78.5

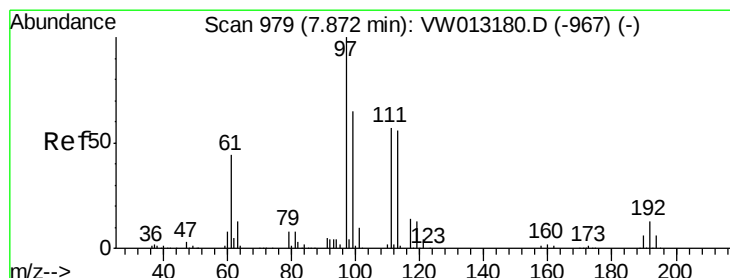
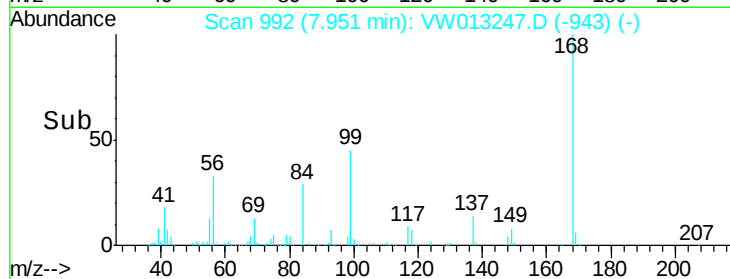
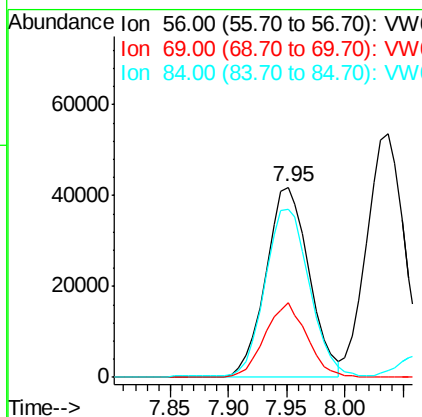
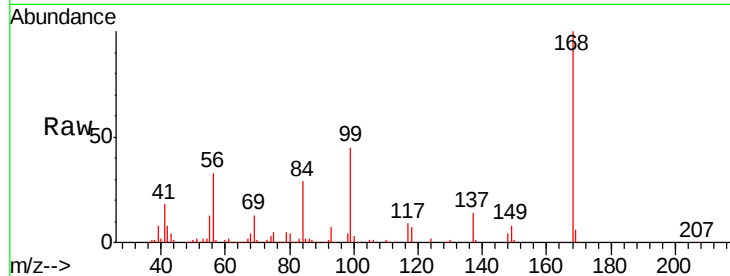




#31
Cyclohexane
Concen: 19.891 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

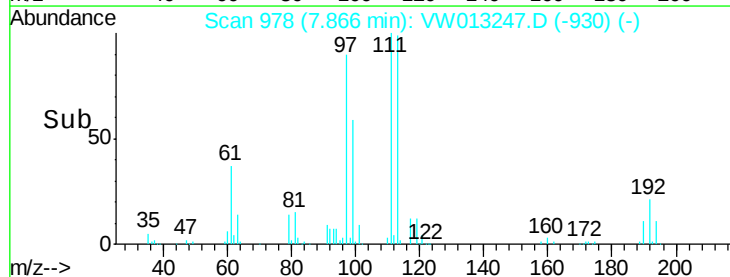
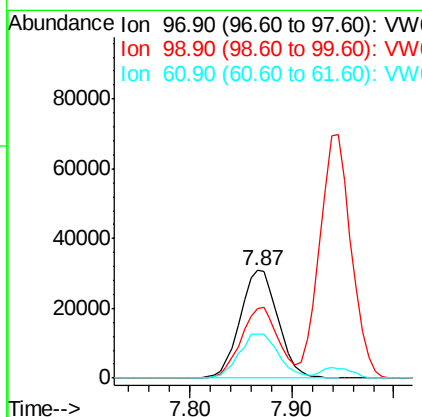
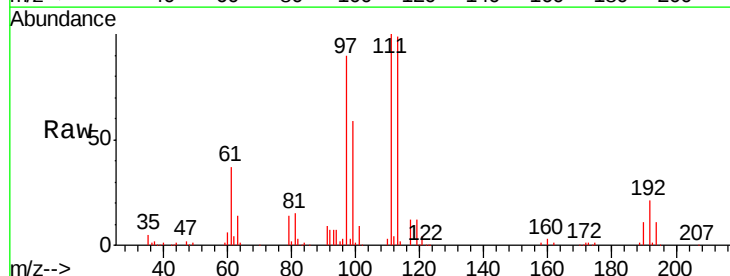
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS02

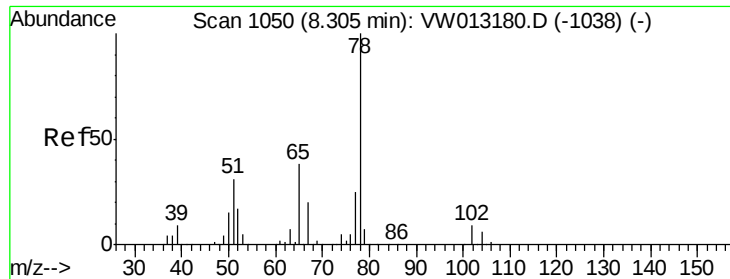
Tgt Ion: 56 Resp: 108311
Ion Ratio Lower Upper
56 100
69 39.5 27.2 40.8
84 87.4 70.8 106.2



#32
1,1,1-Trichloroethane
Concen: 19.169 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Tgt Ion: 97 Resp: 79400
Ion Ratio Lower Upper
97 100
99 64.7 51.7 77.5
61 42.7 34.6 51.8

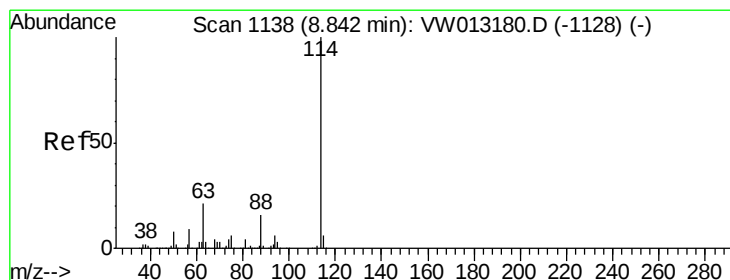
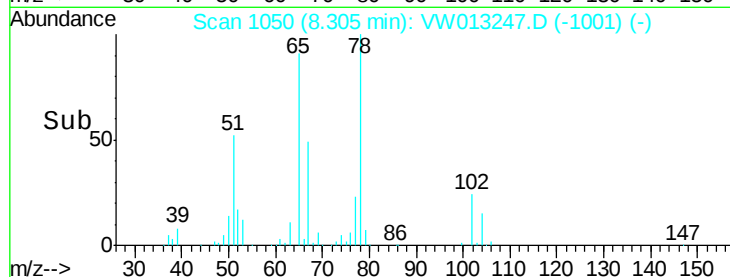
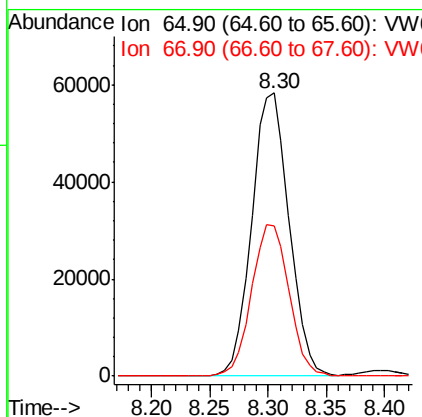
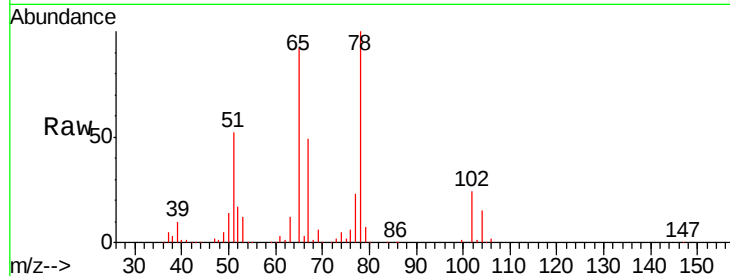




#33
 1,2-Dichloroethane-d4
 Concen: 51.632 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

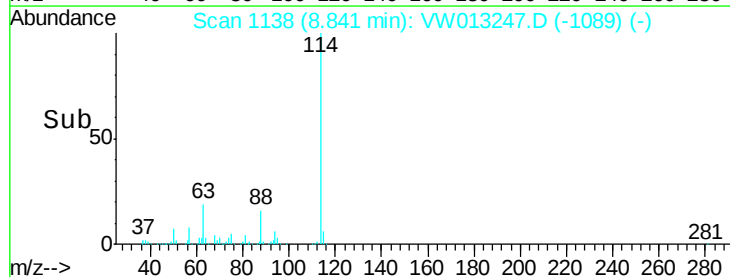
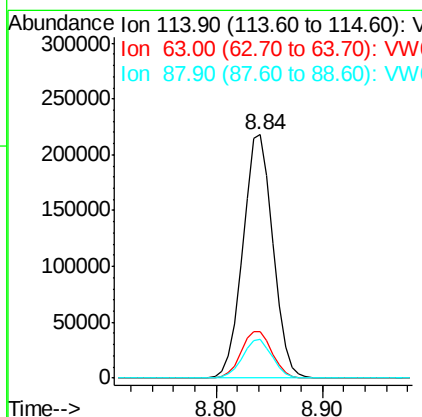
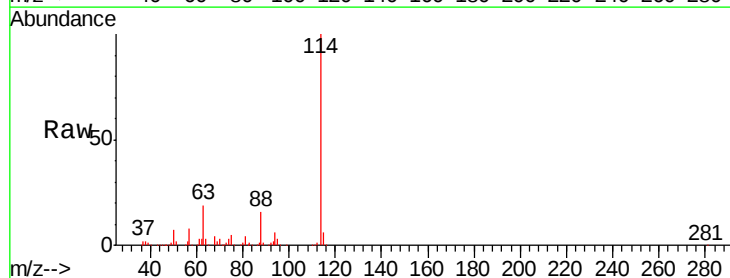
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS02

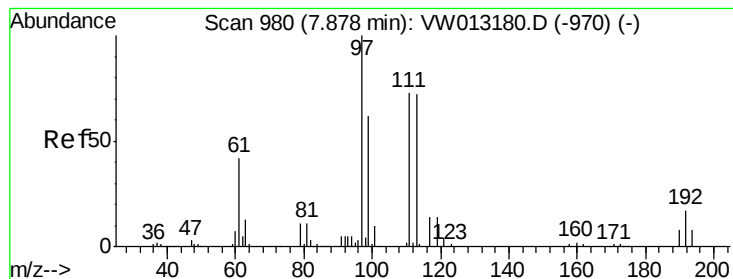
Tgt Ion: 65 Resp: 129706
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

Tgt Ion: 114 Resp: 432540
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.651 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS02

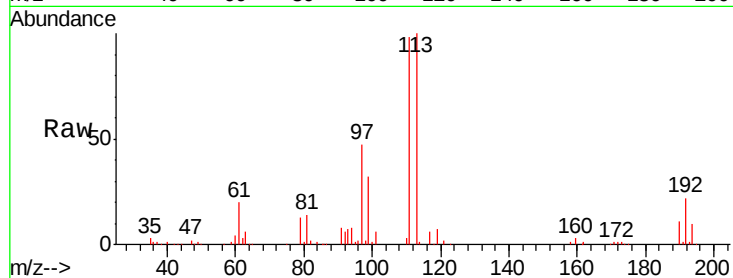
Tgt Ion:113 Resp: 125256

Ion Ratio Lower Upper

113 100

111 100.9 81.9 122.9

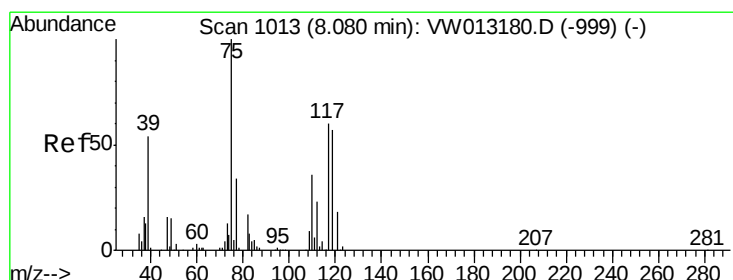
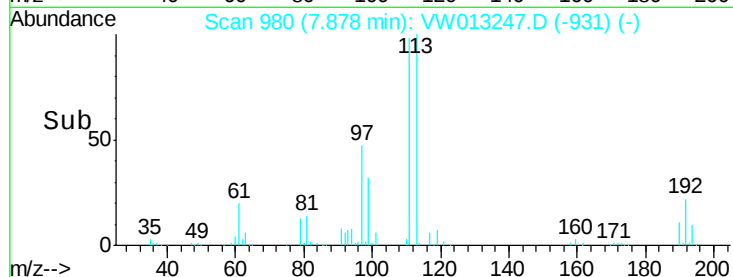
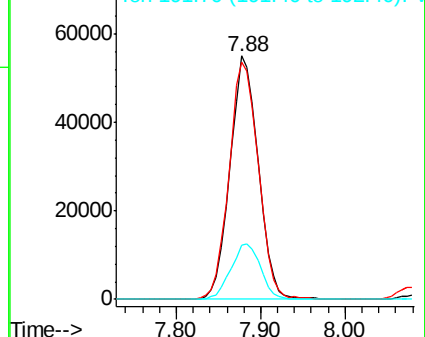
192 23.8 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.230 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

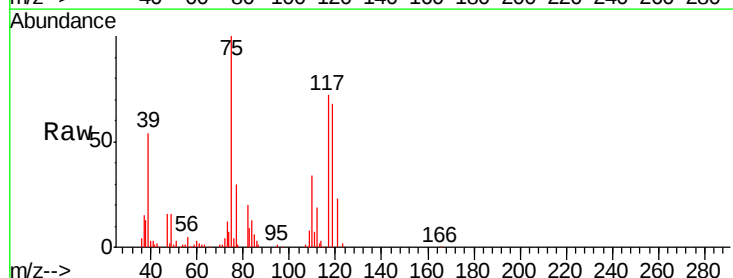
Tgt Ion: 75 Resp: 84754

Ion Ratio Lower Upper

75 100

110 36.5 18.1 54.3

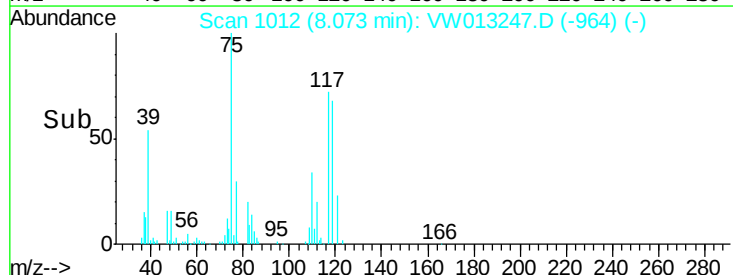
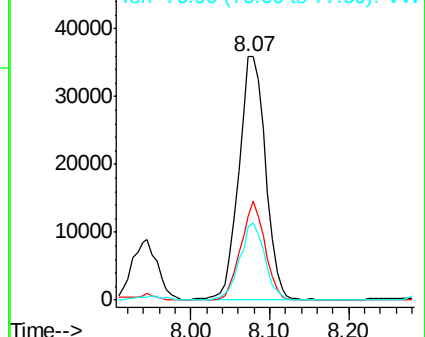
77 29.8 25.8 38.6

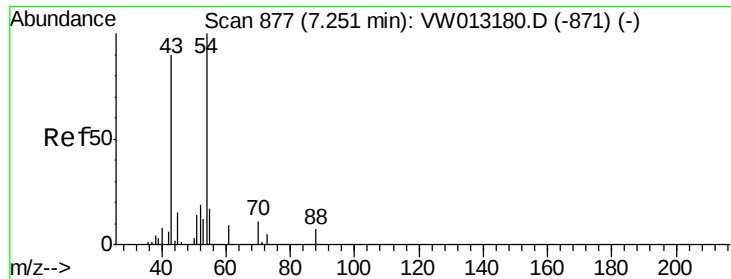


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

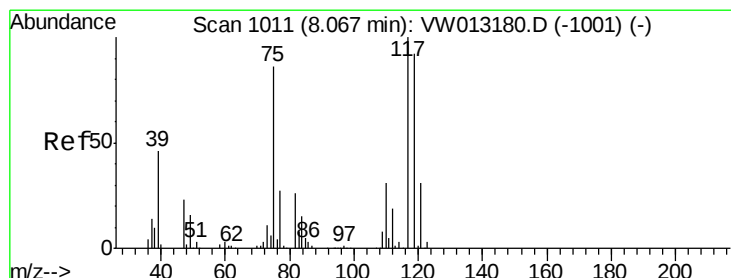
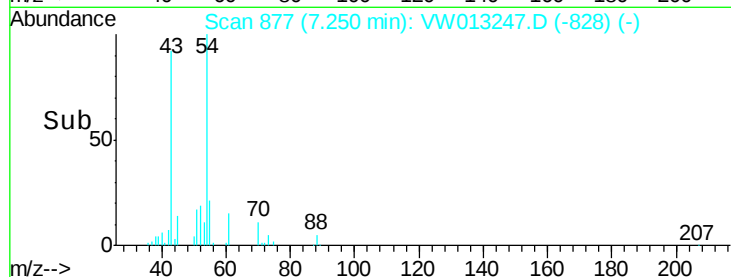
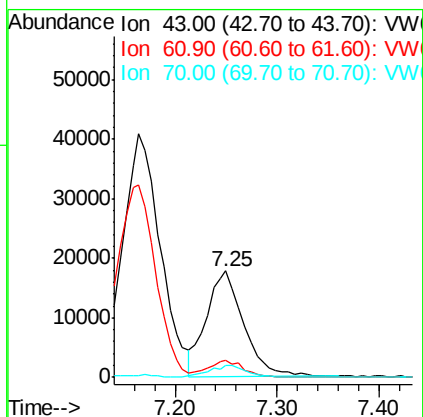
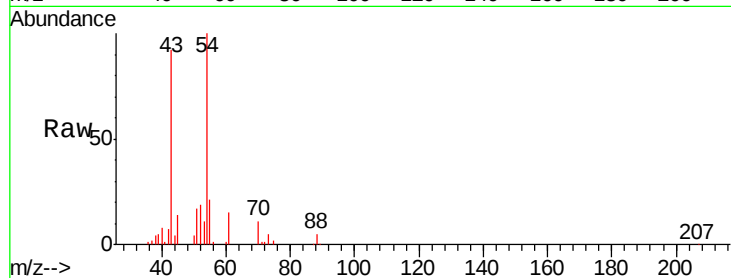




#37
Ethyl Acetate
Concen: 25.463 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

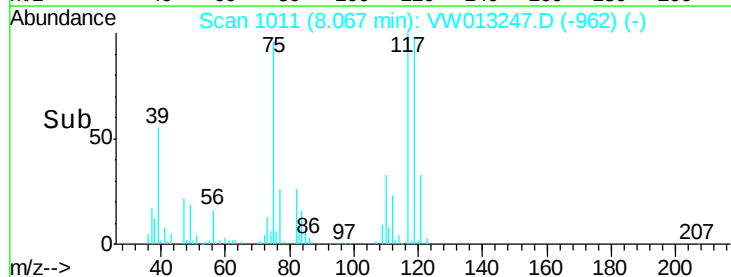
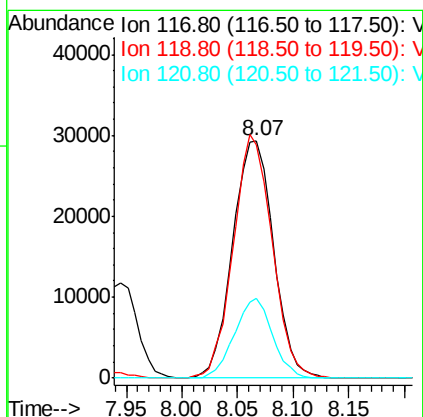
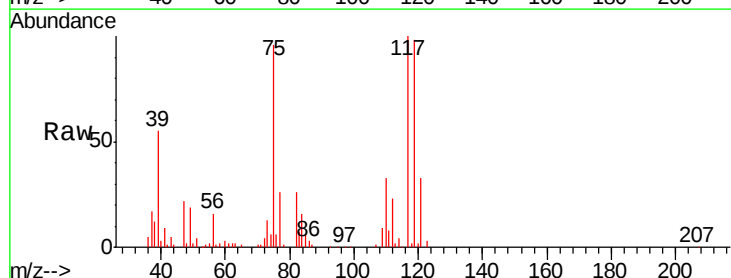
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS02

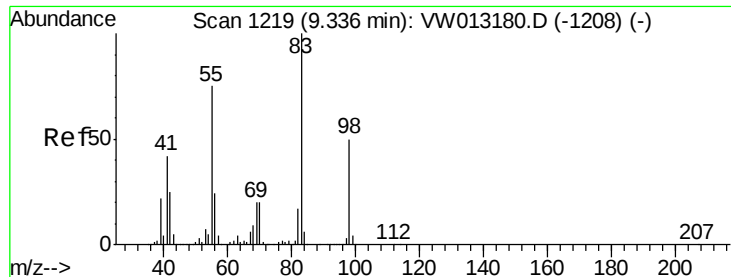
Tgt Ion: 43 Resp: 45338
Ion Ratio Lower Upper
43 100
61 14.6 10.9 16.3
70 11.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 19.879 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Tgt Ion: 117 Resp: 74657
Ion Ratio Lower Upper
117 100
119 98.2 73.5 110.3
121 33.3 25.0 37.6

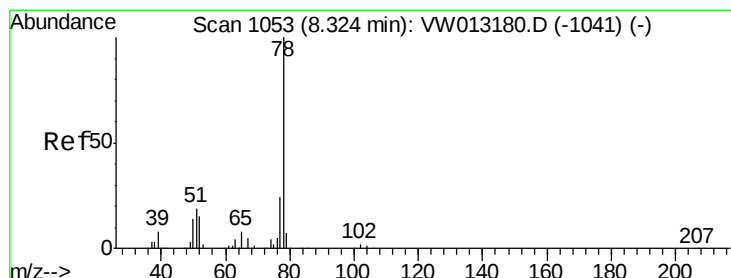
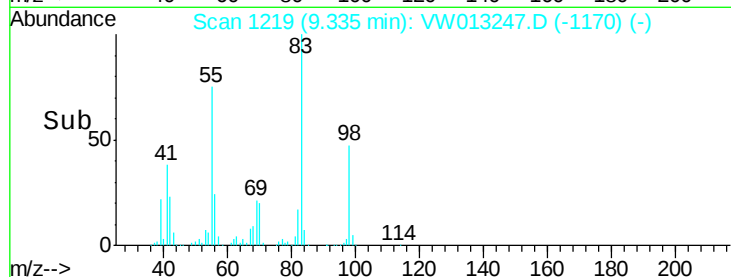
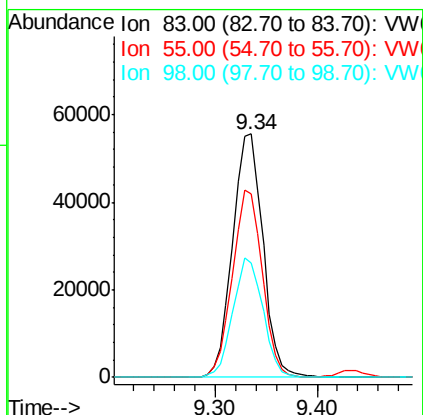
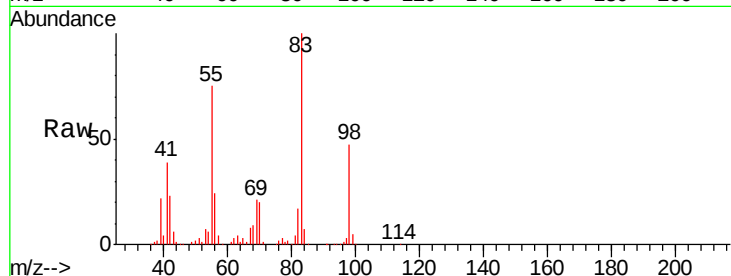




#39
Methylcyclohexane
Concen: 21.237 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

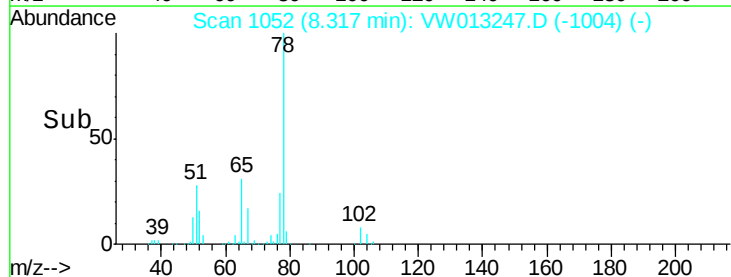
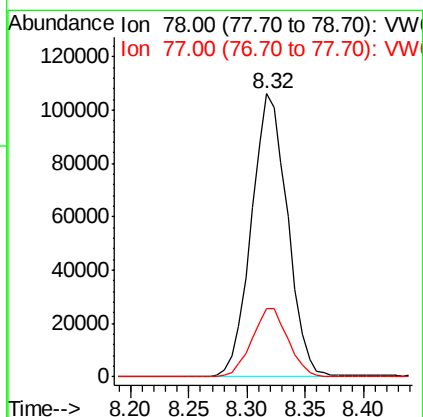
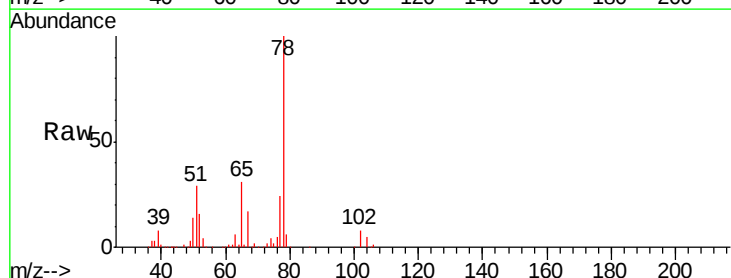
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS02

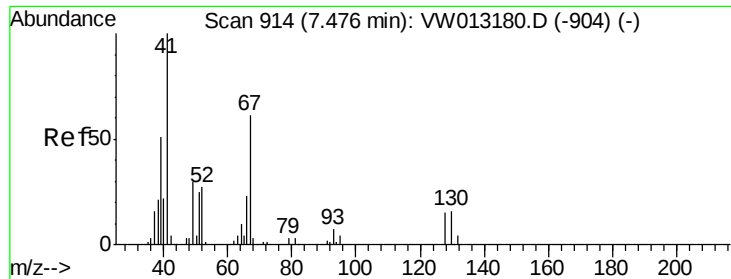
Tgt Ion: 83 Resp: 114337
Ion Ratio Lower Upper
83 100
55 75.2 60.4 90.6
98 47.0 40.0 60.0



#40
Benzene
Concen: 19.635 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Tgt Ion: 78 Resp: 229443
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7

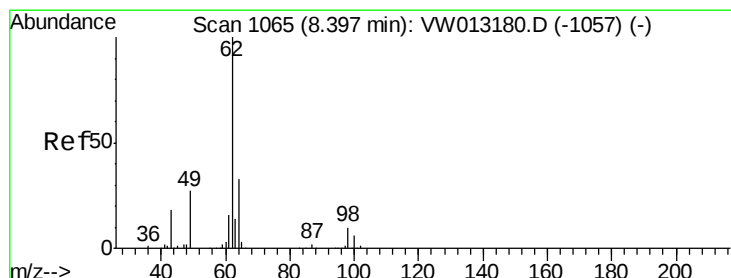
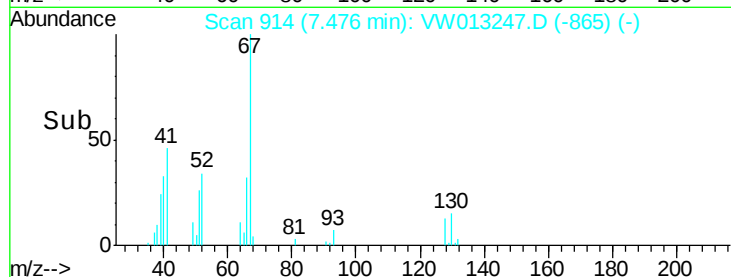
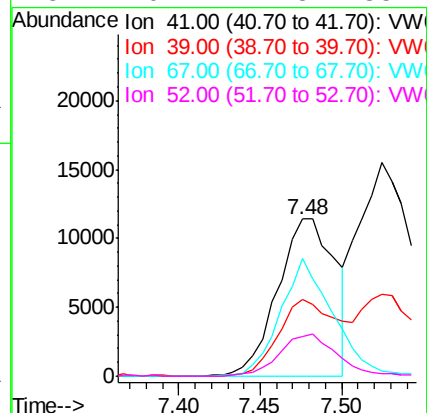
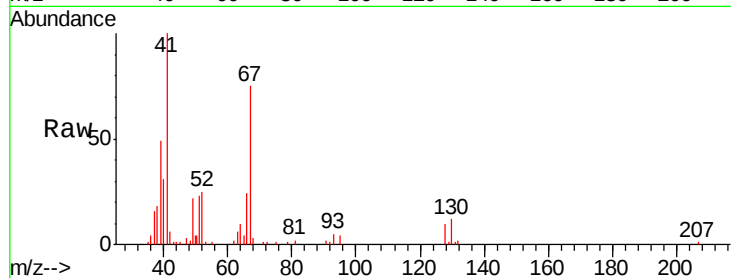




#41
Methacrylonitrile
Concen: 26.360 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

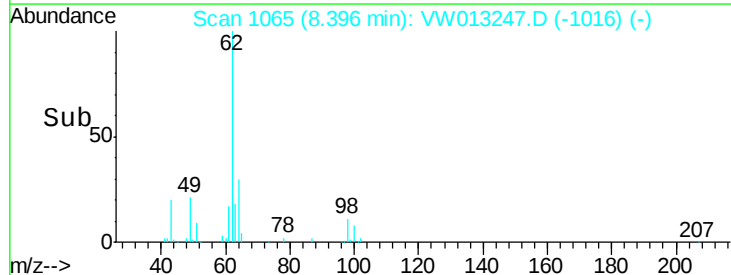
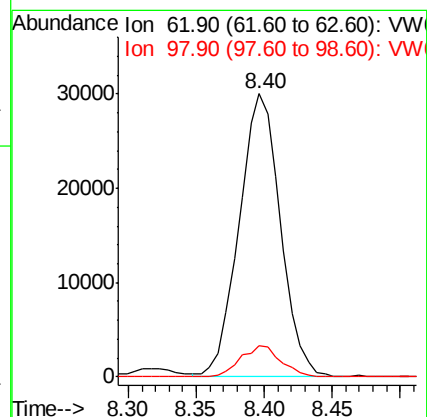
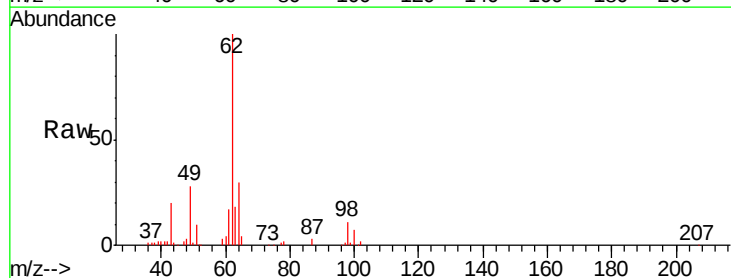
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS02

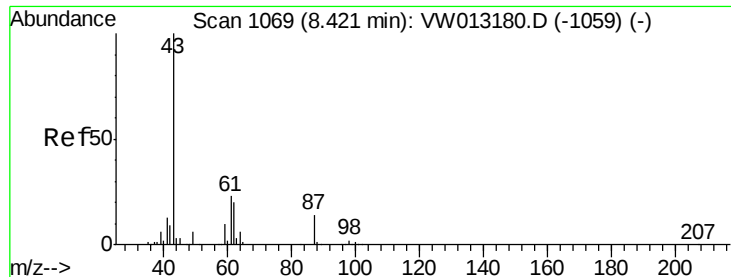
Tgt Ion:	41	Resp:	28012
Ion	Ratio	Lower	Upper
41	100		
39	52.9	45.9	68.9
67	68.7	54.5	81.7
52	26.7	22.5	33.7



#42
1,2-Dichloroethane
Concen: 20.160 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Tgt Ion:	62	Resp:	63329
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 23.615 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS02

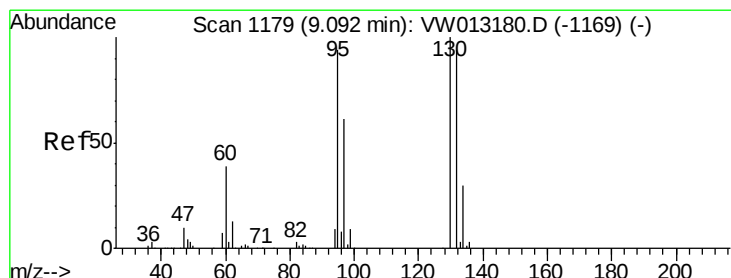
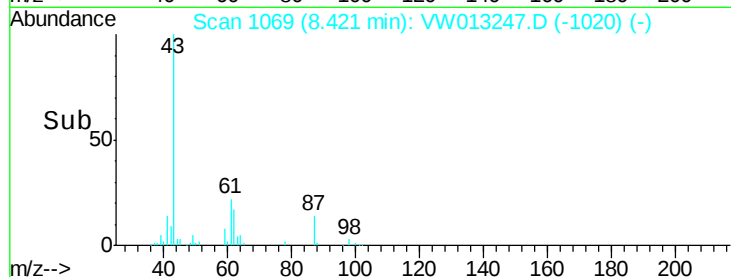
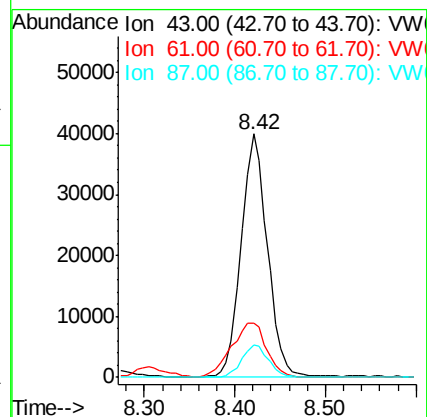
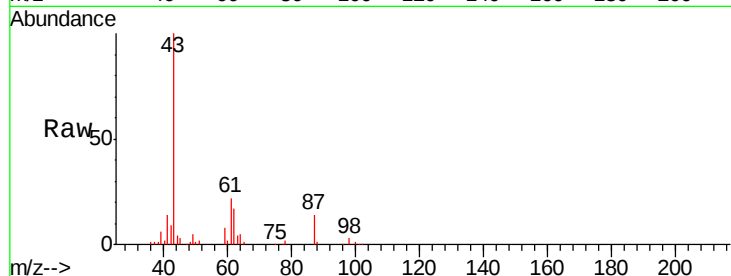
Tgt Ion: 43 Resp: 80587

Ion Ratio Lower Upper

43 100

61 30.2 25.5 38.3

87 13.5 11.0 16.4



#44

Trichloroethene

Concen: 19.571 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013247.D

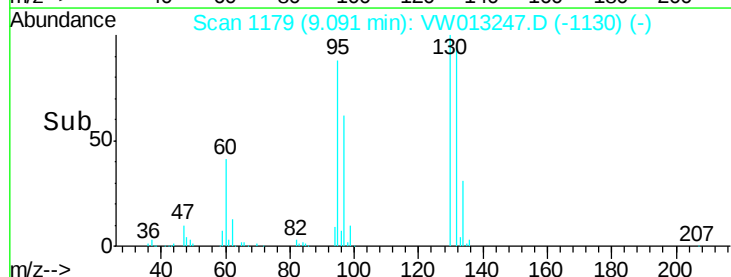
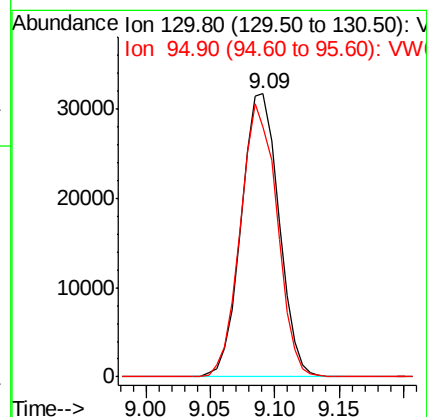
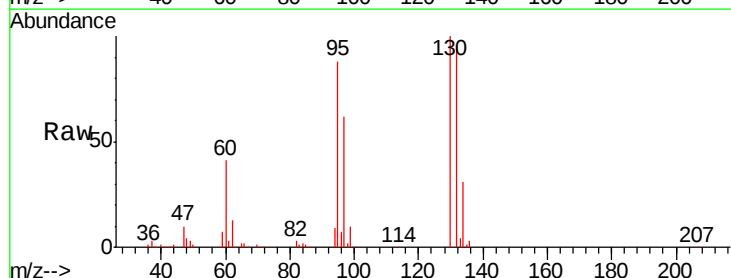
Acq: 24 Sep 2019 00:18

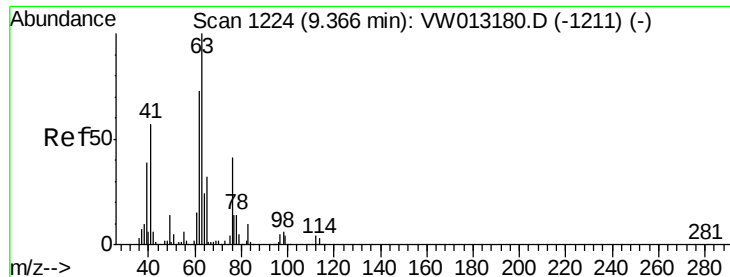
Tgt Ion: 130 Resp: 64166

Ion Ratio Lower Upper

130 100

95 88.5 0.0 188.0

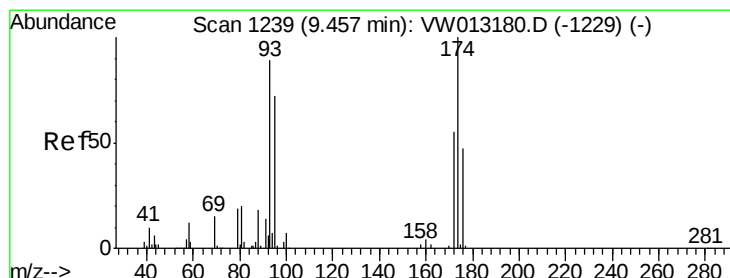
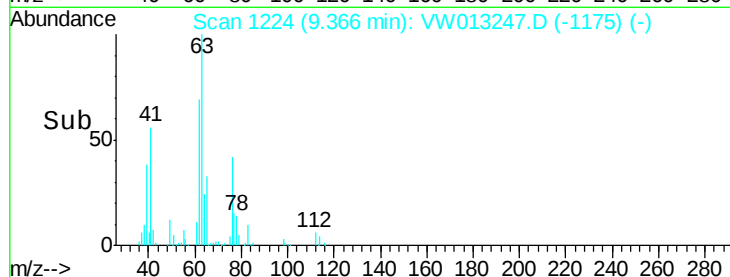
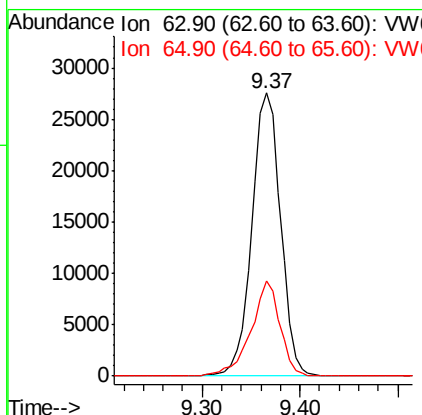
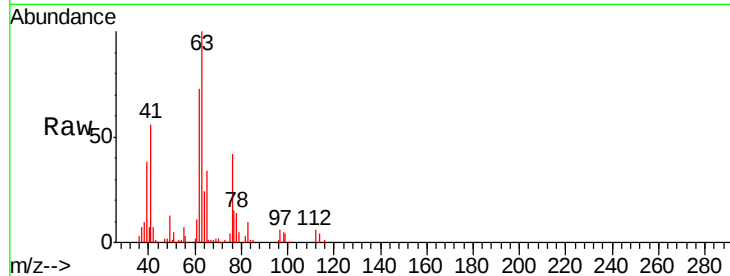




#45
 1,2-Dichloropropane
 Concen: 19.802 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

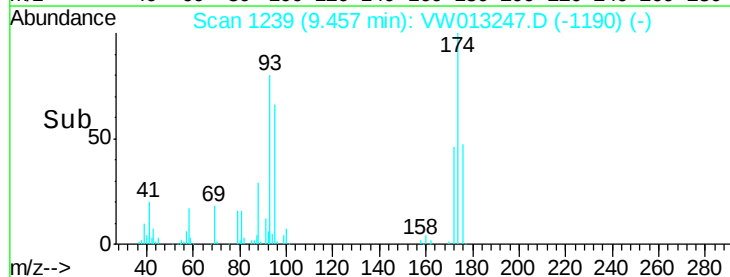
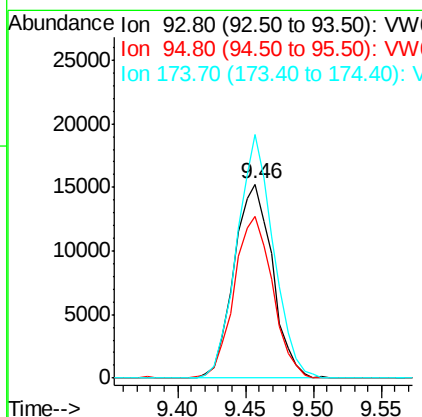
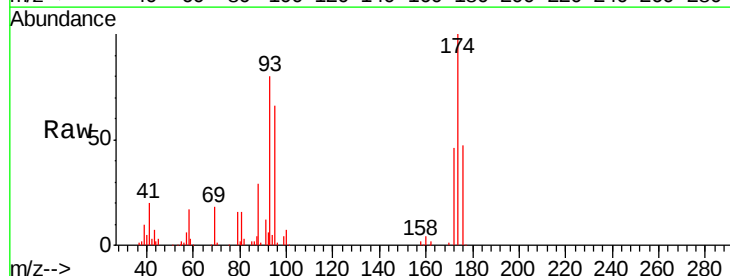
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS02

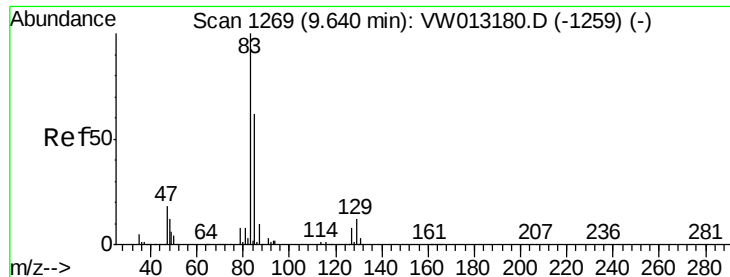
Tgt Ion: 63 Resp: 56494
 Ion Ratio Lower Upper
 63 100
 65 33.6 25.3 37.9



#46
 Dibromomethane
 Concen: 21.723 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

Tgt Ion: 93 Resp: 30089
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.4 99.6
 174 119.2 93.0 139.6





#47

Bromodichloromethane

Concen: 19.429 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS02

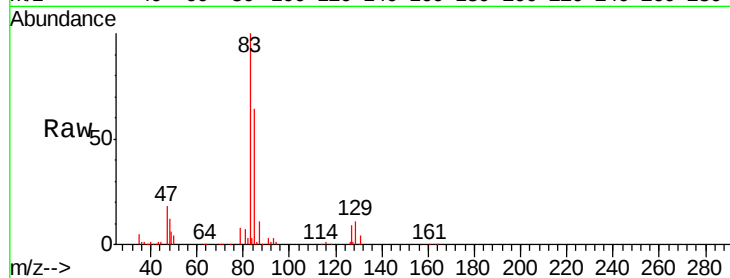
Tgt Ion: 83 Resp: 68476

Ion Ratio Lower Upper

83 100

85 63.9 49.4 74.2

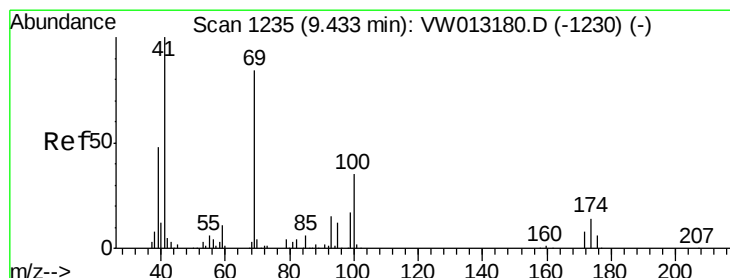
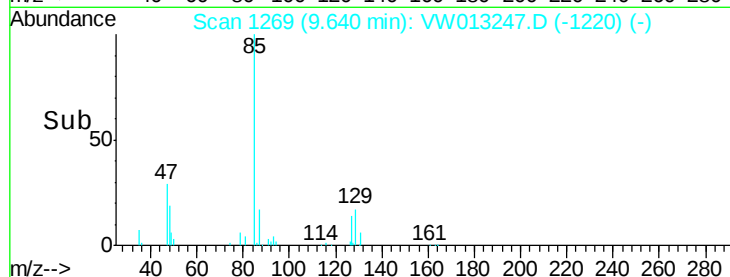
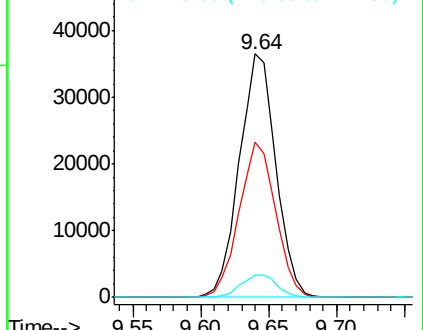
127 9.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 23.061 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

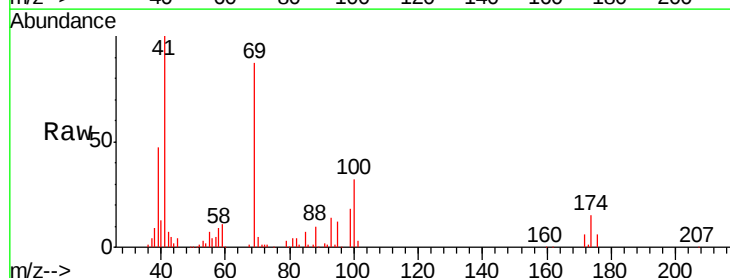
Tgt Ion: 41 Resp: 37005

Ion Ratio Lower Upper

41 100

69 92.1 69.7 104.5

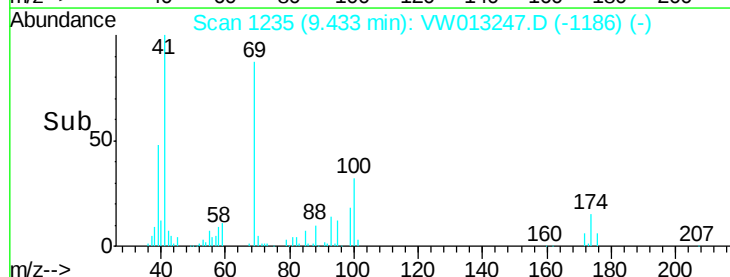
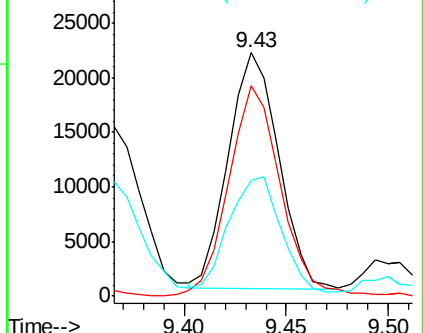
39 50.5 41.1 61.7

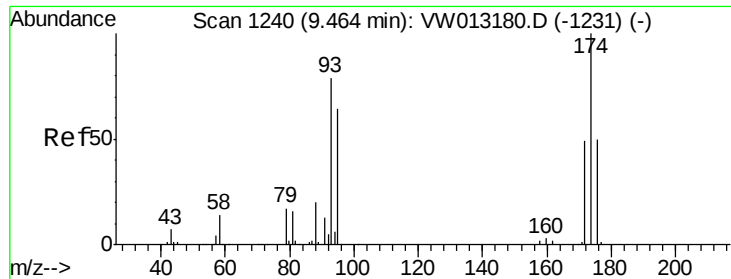


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 605.205 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS02

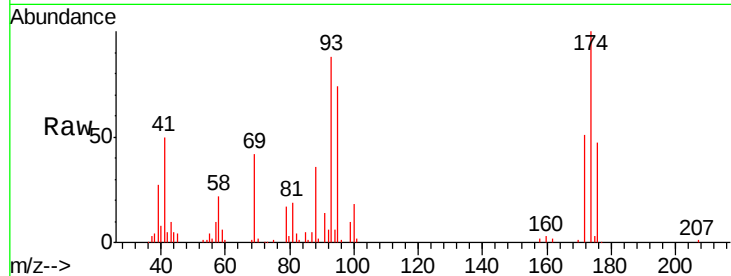
Tgt Ion: 88 Resp: 12583

Ion Ratio Lower Upper

88 100

43 27.2 0.0 0.0#

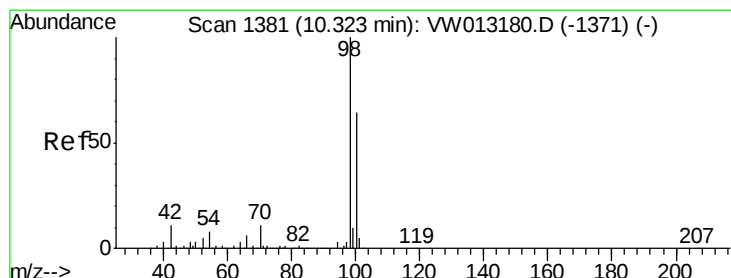
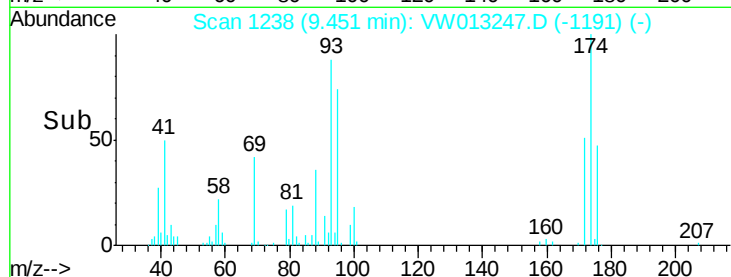
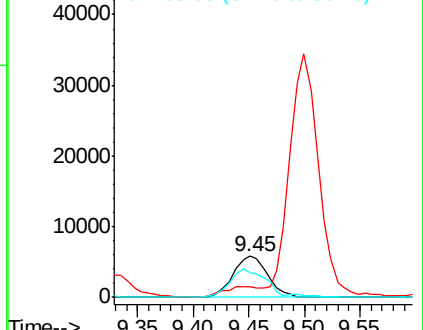
58 75.3 65.4 98.0



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: 52.179 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013247.D

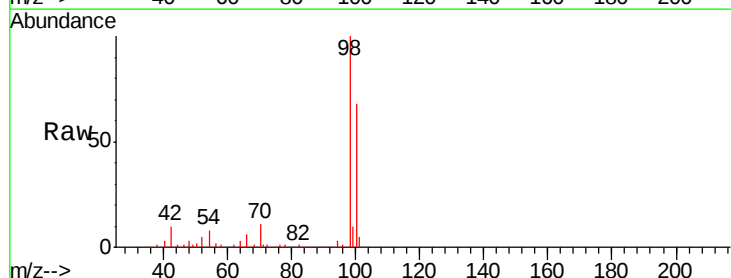
Acq: 24 Sep 2019 00:18

Tgt Ion: 98 Resp: 519506

Ion Ratio Lower Upper

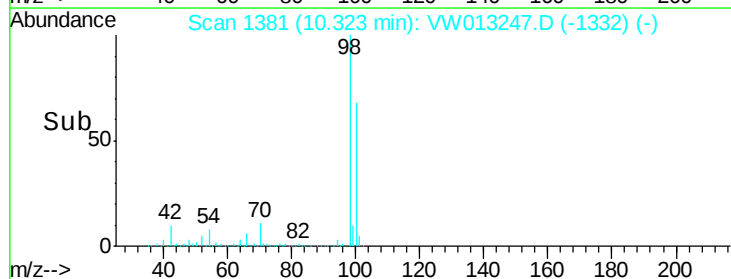
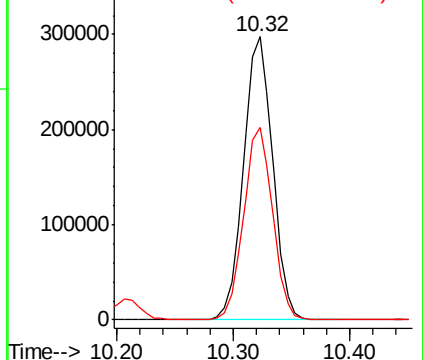
98 100

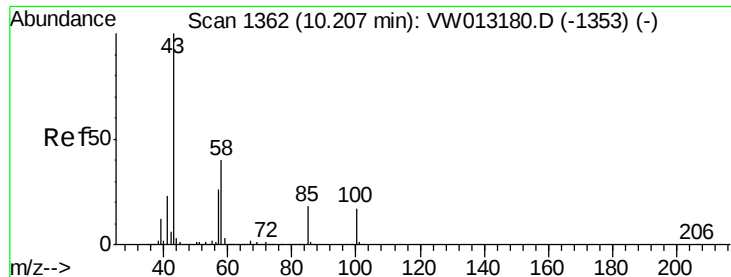
100 67.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

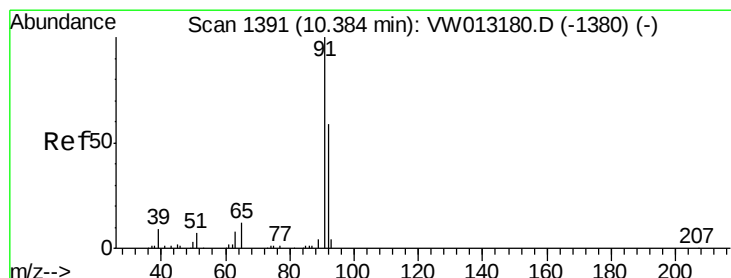
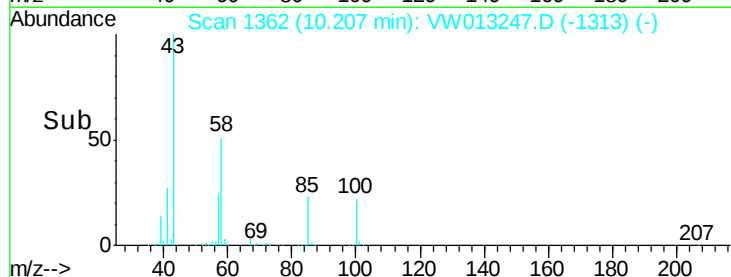
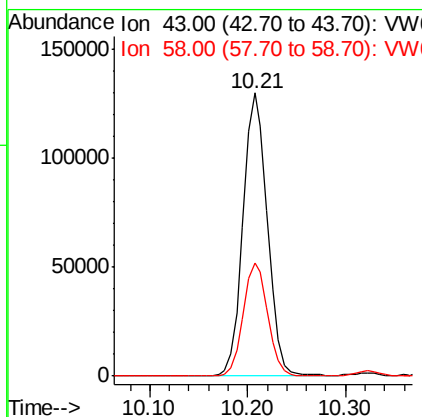
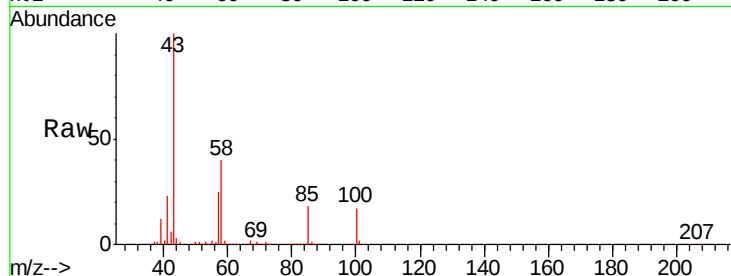




#51
 4-Methyl-2-Pentanone
 Concen: 131.210 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

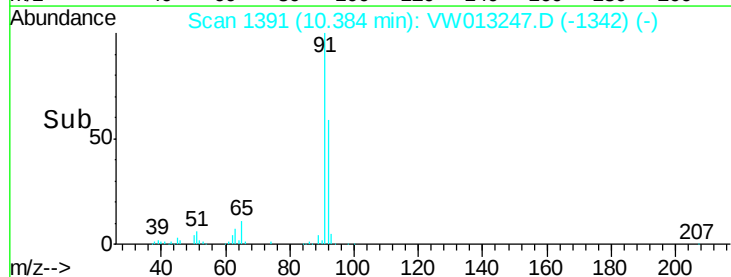
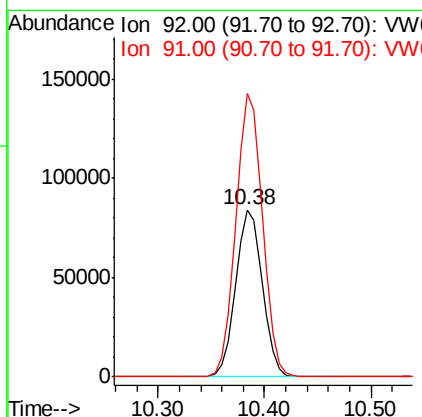
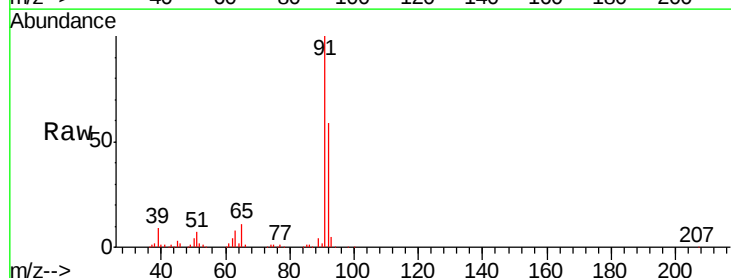
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS02

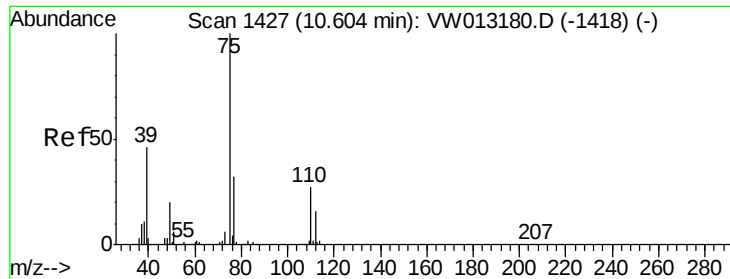
Tgt Ion: 43 Resp: 224471
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.7 47.5



#52
 Toluene
 Concen: 19.801 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

Tgt Ion: 92 Resp: 148295
 Ion Ratio Lower Upper
 92 100
 91 170.1 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 19.667 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

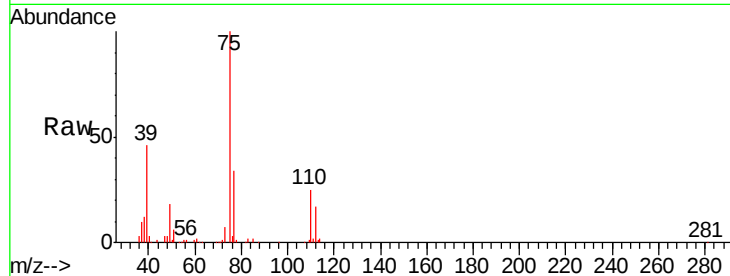
VW0923SBS02

Tgt Ion: 75 Resp: 71213

Ion Ratio Lower Upper

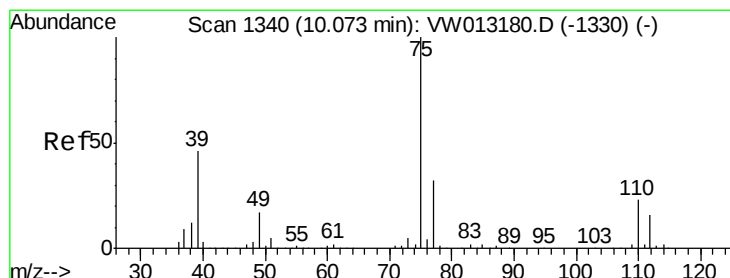
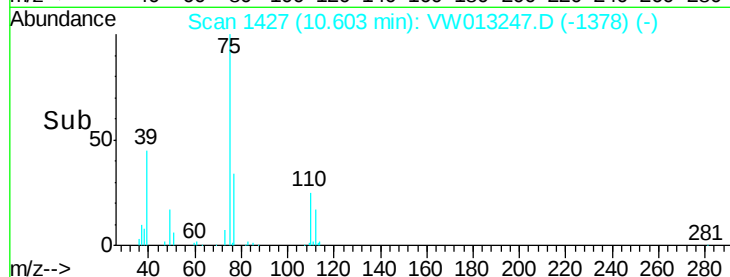
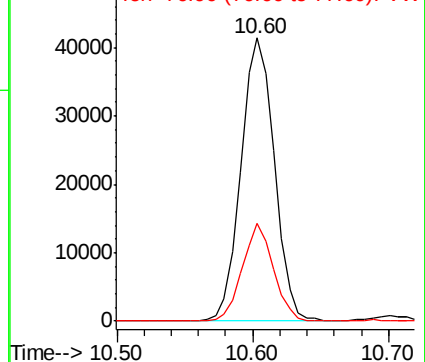
75 100

77 34.3 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 19.139 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

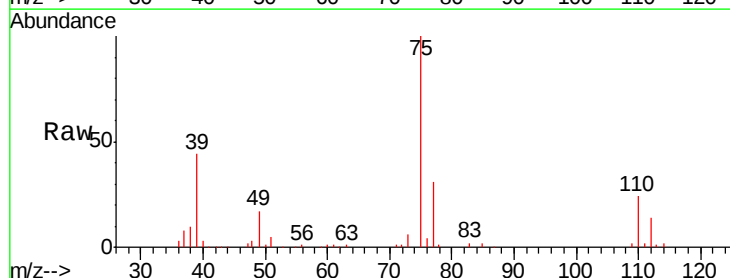
Tgt Ion: 75 Resp: 84265

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

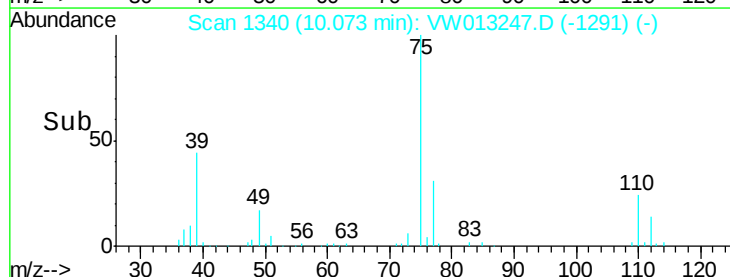
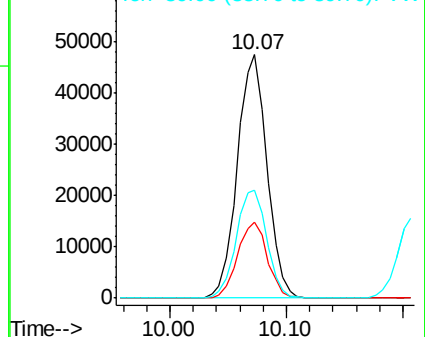
39 44.3 36.6 55.0

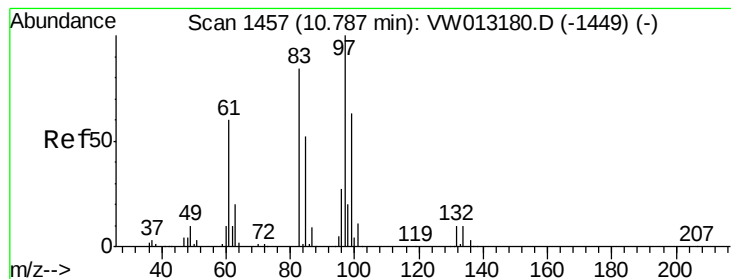


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 21.527 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS02

Tgt Ion: 97 Resp: 44566

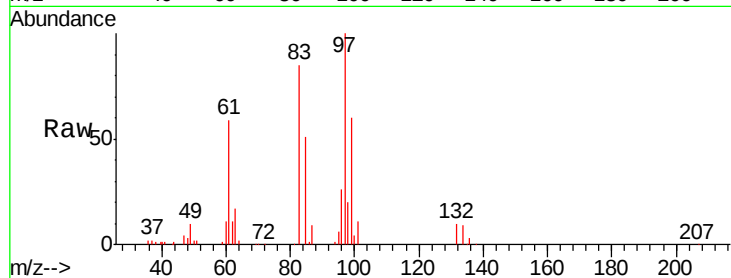
Ion Ratio Lower Upper

97 100

83 85.2 67.6 101.4

85 50.7 41.9 62.9

99 59.9 50.1 75.1

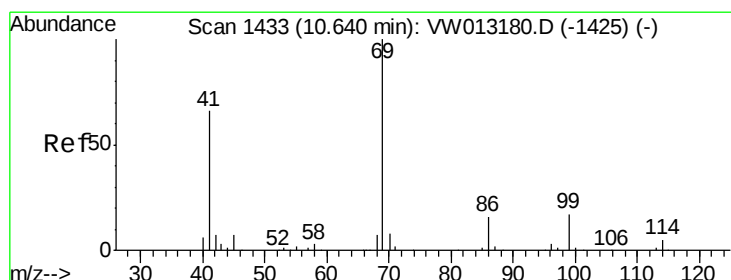
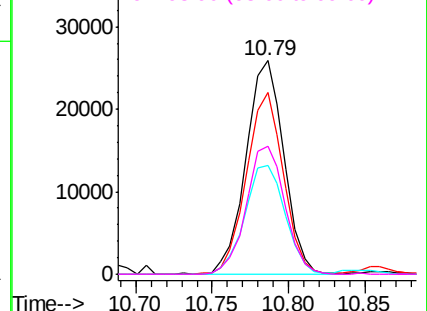
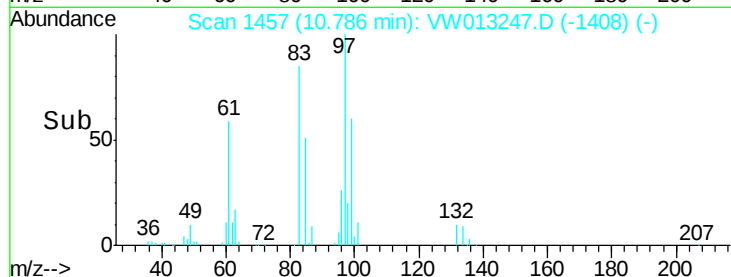


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 22.970 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

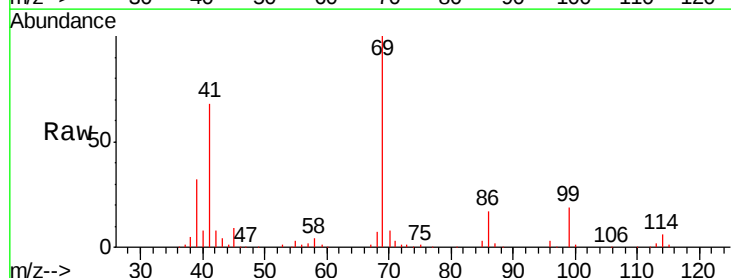
Tgt Ion: 69 Resp: 62237

Ion Ratio Lower Upper

69 100

41 66.8 53.9 80.9

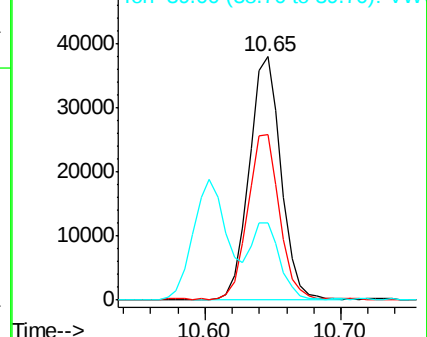
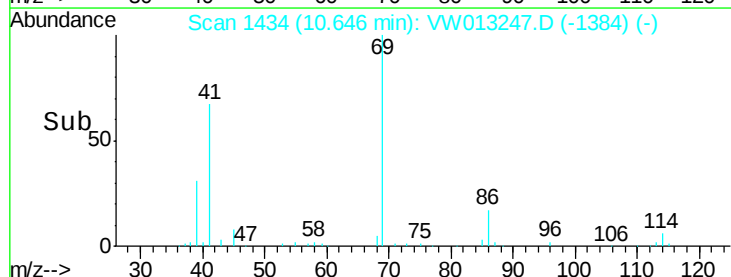
39 28.2 23.8 35.6

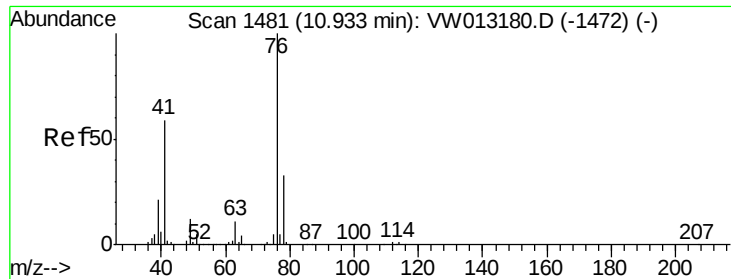


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 21.493 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

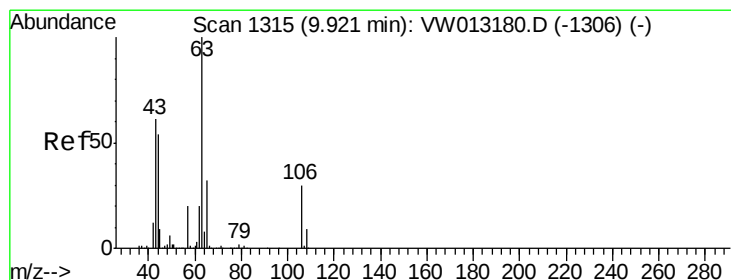
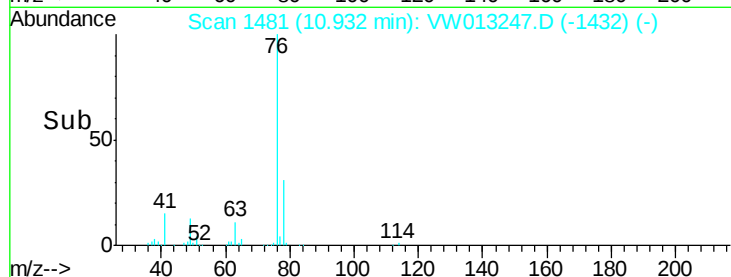
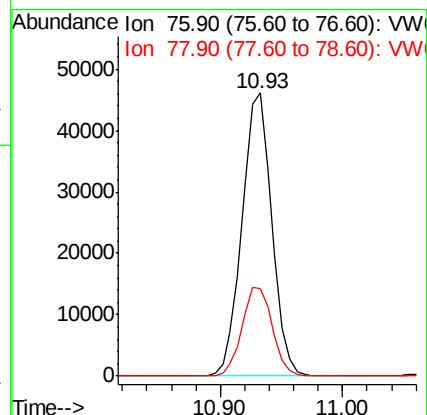
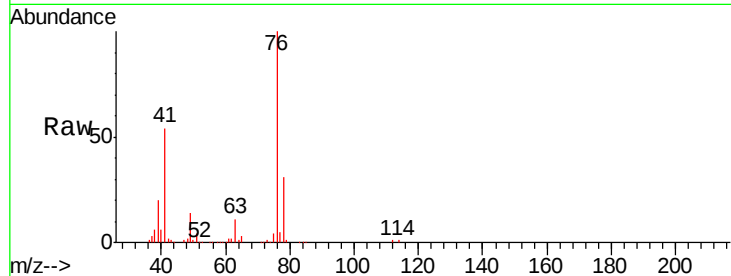
VW0923SBS02

Tgt Ion: 76 Resp: 77647

Ion Ratio Lower Upper

76 100

78 32.0 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 119.565 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013247.D

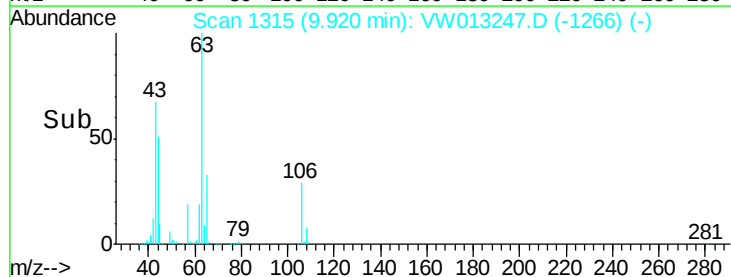
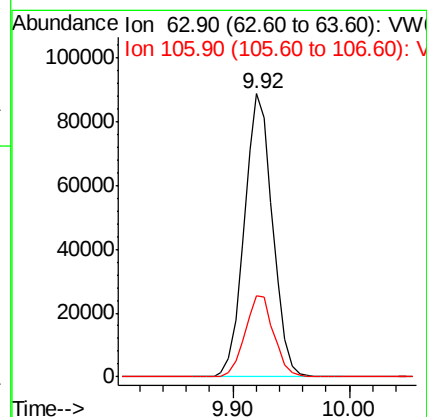
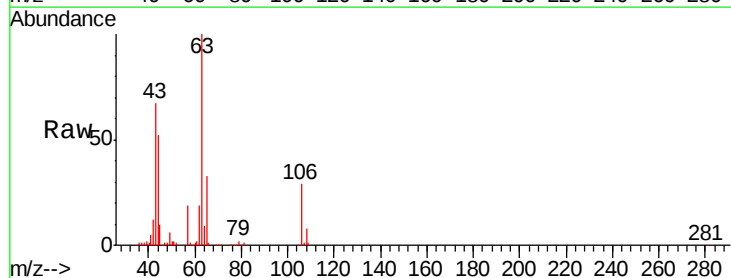
Acq: 24 Sep 2019 00:18

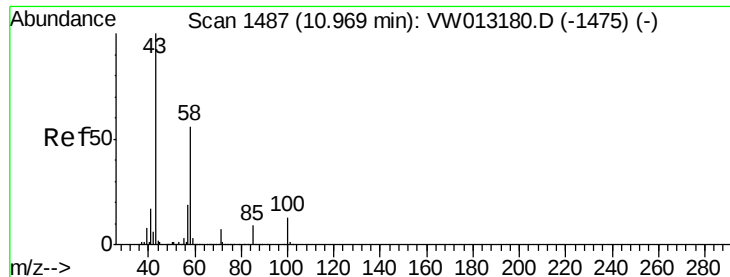
Tgt Ion: 63 Resp: 149973

Ion Ratio Lower Upper

63 100

106 29.1 23.4 35.0

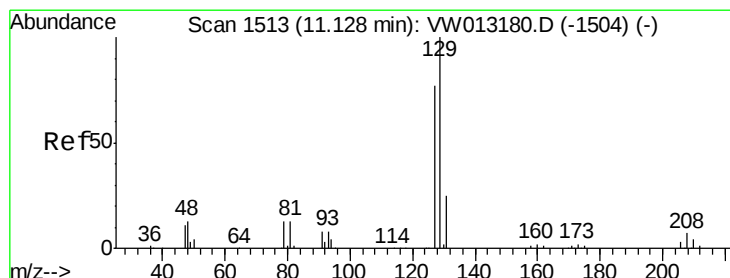
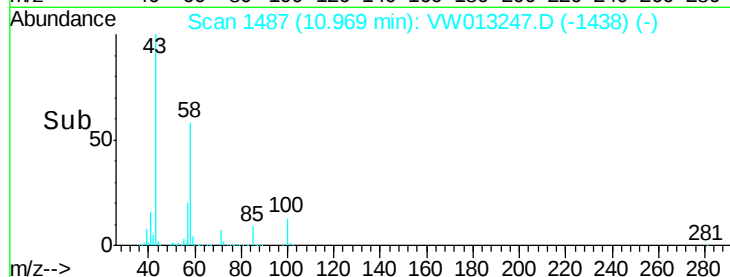
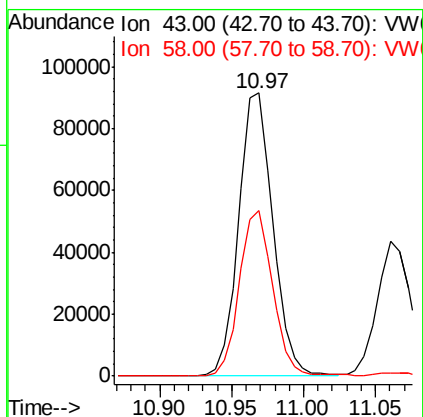
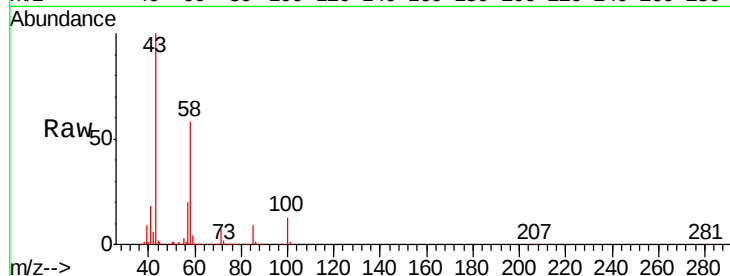




#59
2-Hexanone
Concen: 129.012 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

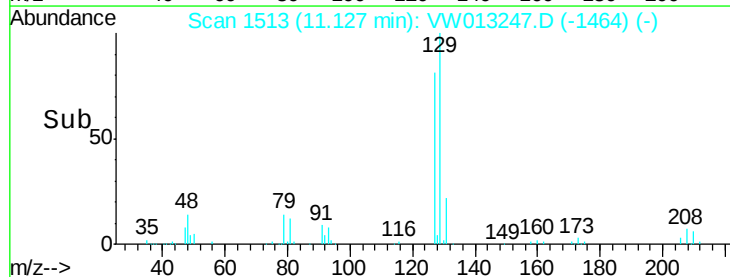
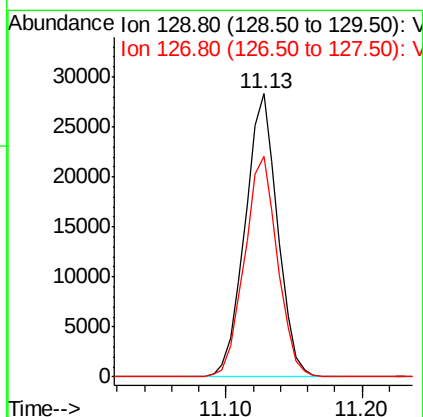
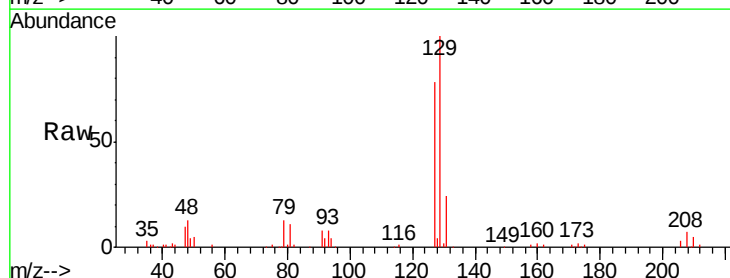
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS02

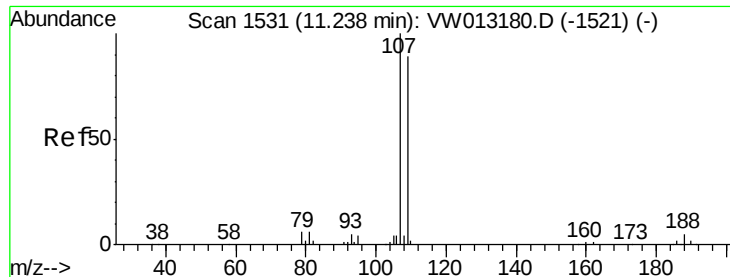
Tgt Ion: 43 Resp: 151848
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.2



#60
Dibromochloromethane
Concen: 20.178 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Tgt Ion: 129 Resp: 47434
Ion Ratio Lower Upper
129 100
127 78.8 38.8 116.4

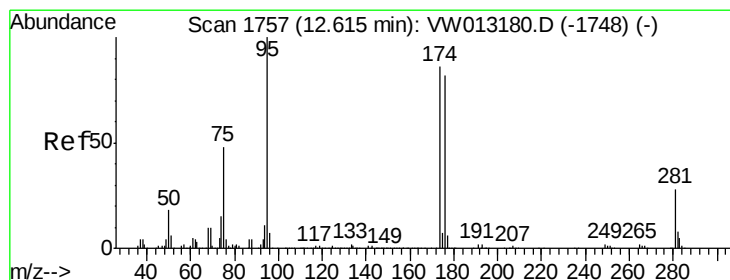
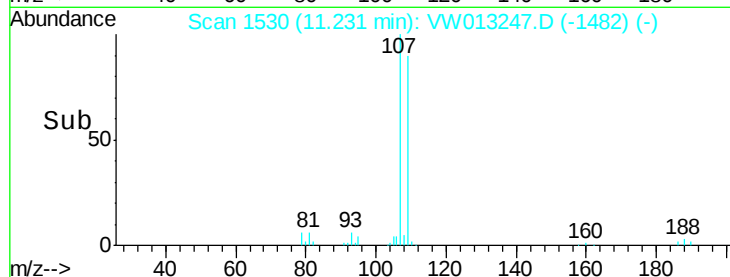
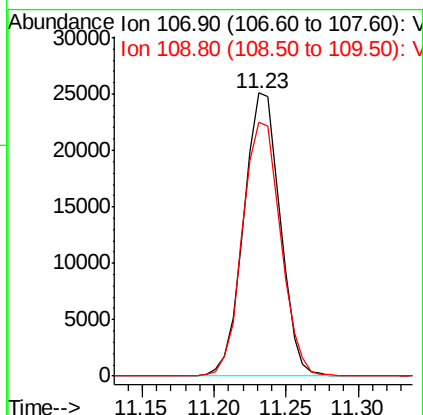
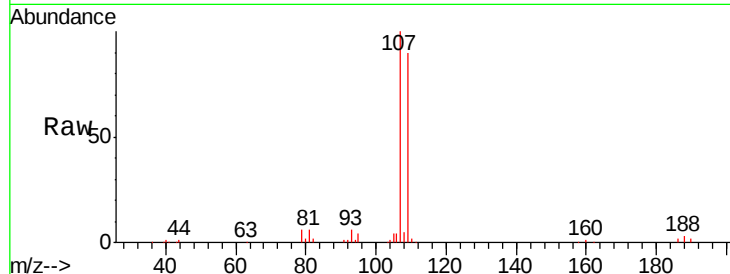




#61
 1,2-Dibromoethane
 Concen: 22.328 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

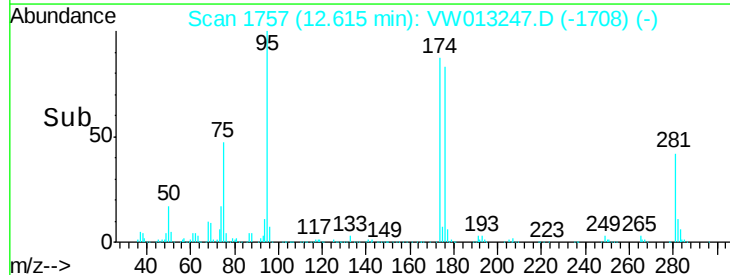
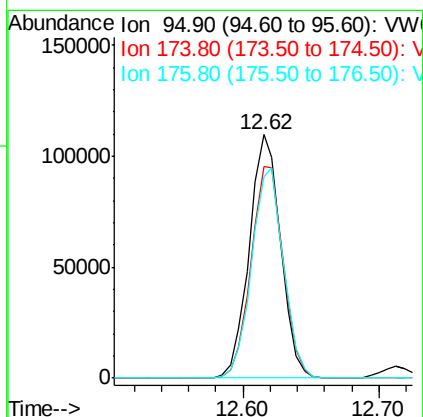
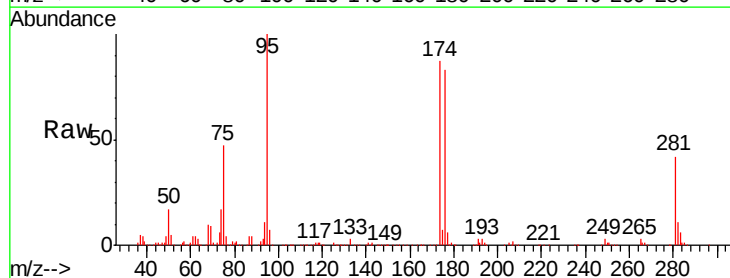
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS02

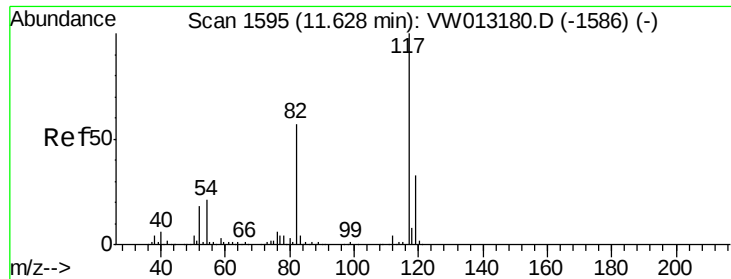
Tgt Ion: 107 Resp: 43951
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 52.248 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

Tgt Ion: 95 Resp: 177695
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 178.4
 176 87.5 0.0 172.2

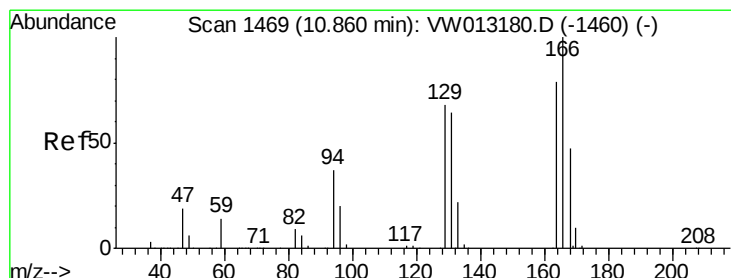
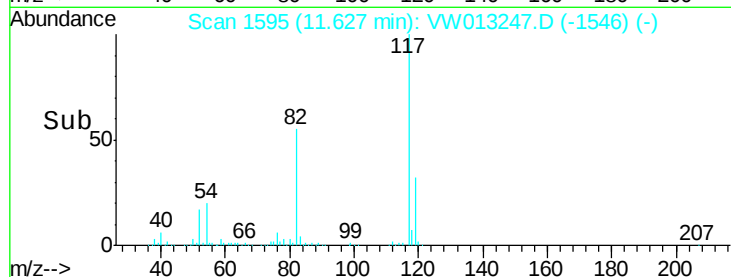
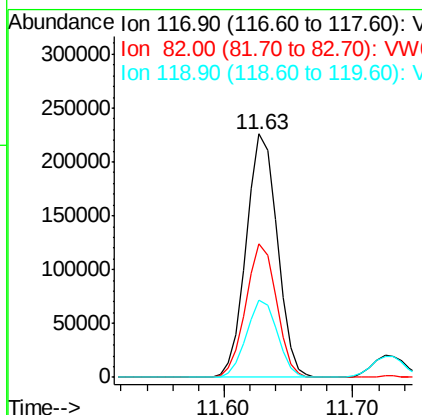
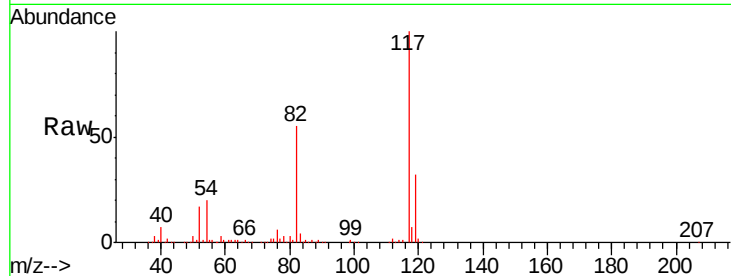




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

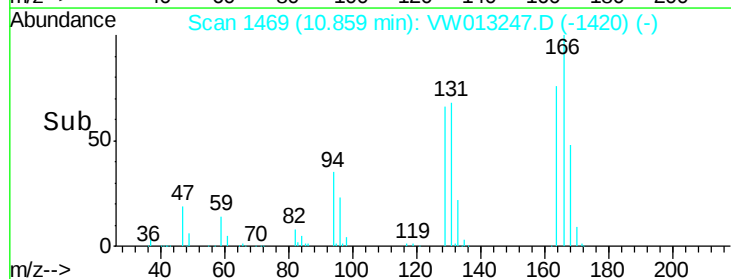
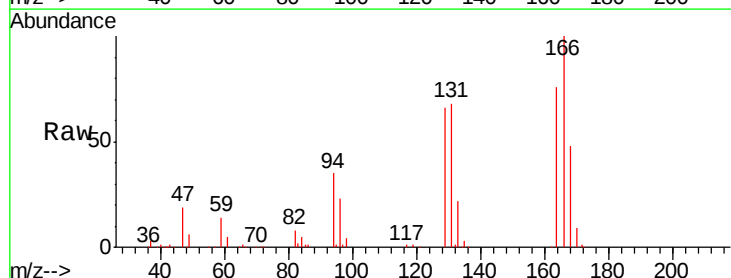
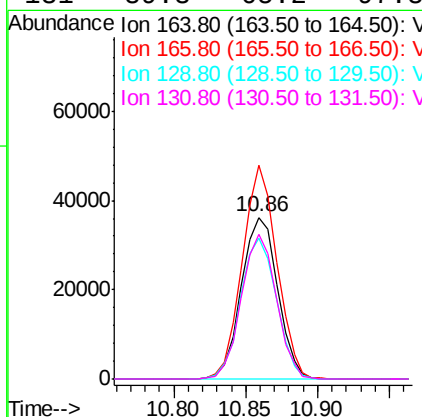
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS02

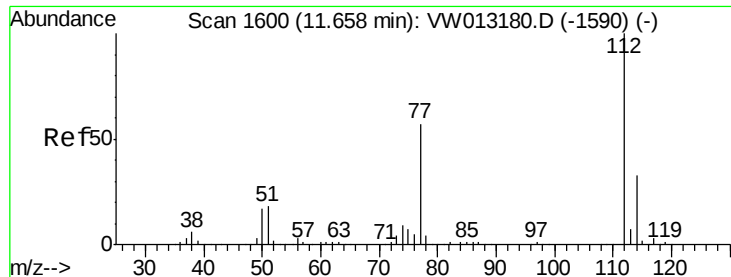
Tgt Ion:117 Resp: 375380
Ion Ratio Lower Upper
117 100
82 54.8 45.9 68.9
119 31.8 26.2 39.2



#64
Tetrachloroethene
Concen: 22.216 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Tgt Ion:164 Resp: 63275
Ion Ratio Lower Upper
164 100
166 132.0 101.2 151.8
129 86.6 68.8 103.2
131 89.3 65.2 97.8

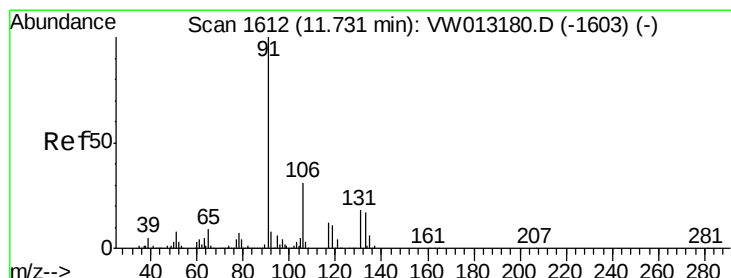
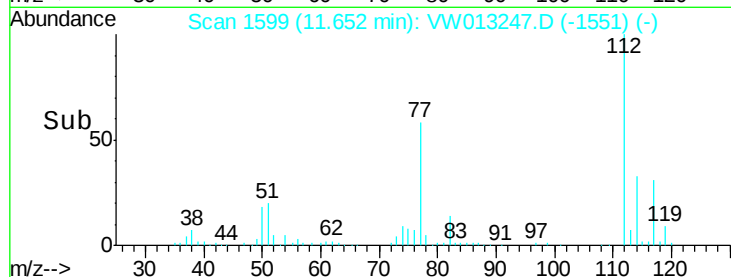
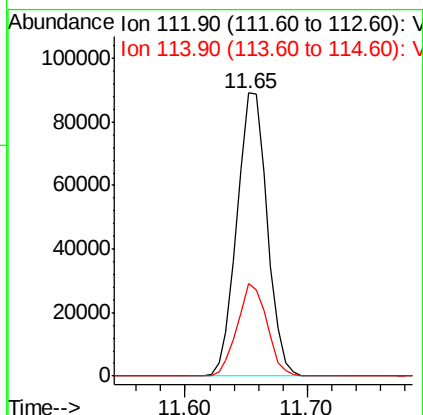
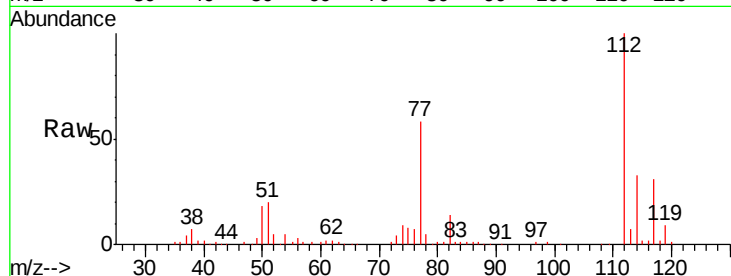




#65
Chlorobenzene
Concen: 19.467 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

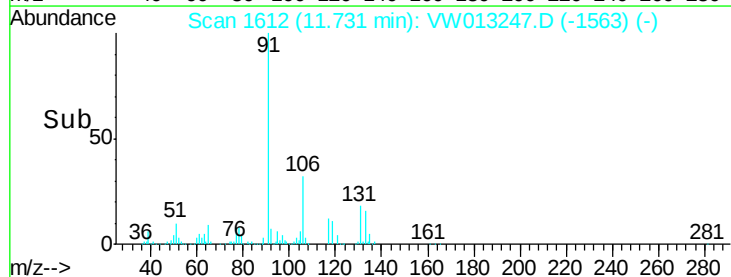
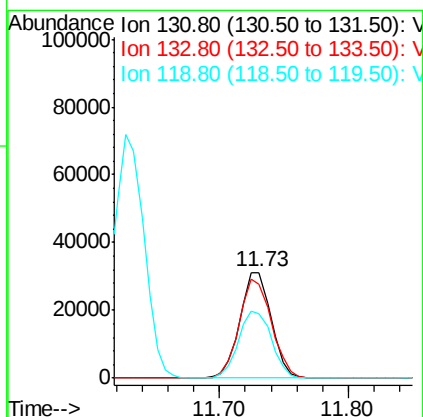
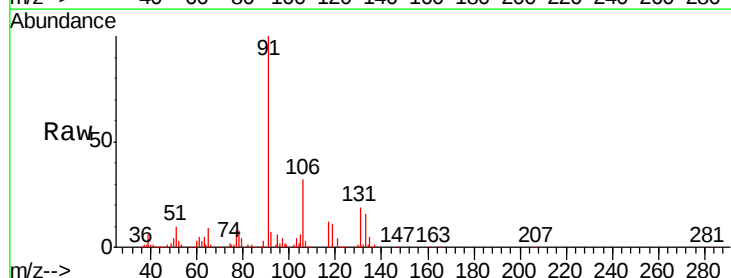
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS02

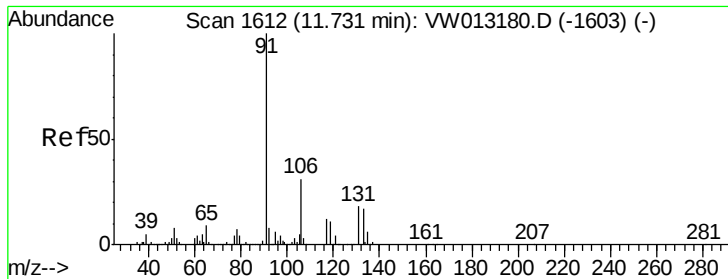
Tgt Ion:112 Resp: 152599
Ion Ratio Lower Upper
112 100
114 32.5 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.618 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Tgt Ion:131 Resp: 52537
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.6
119 66.8 32.5 97.5

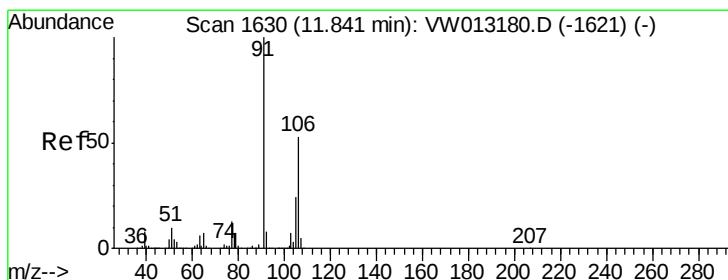
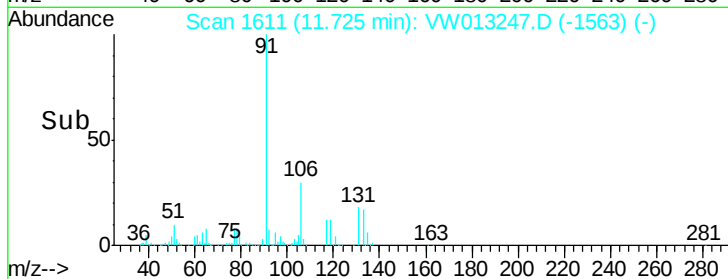
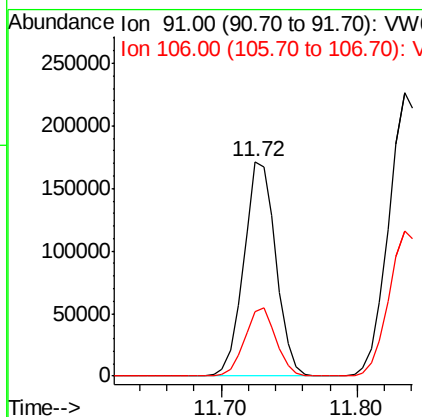
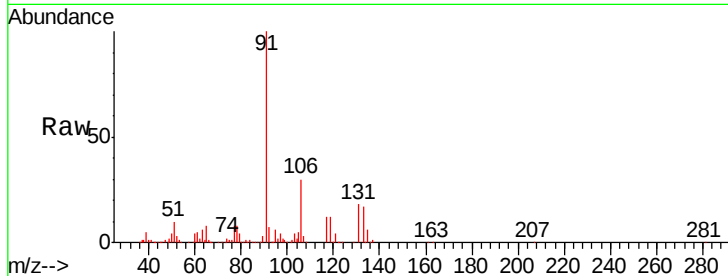




#67
Ethyl Benzene
Concen: 19.844 ug/l
RT: 11.72 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

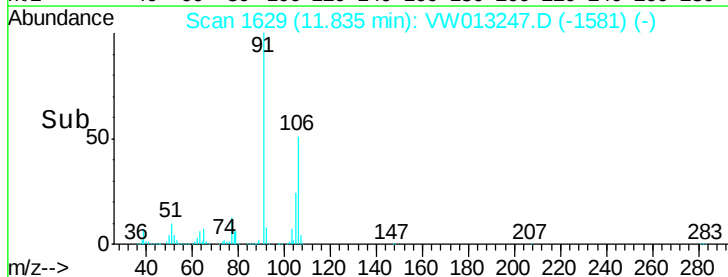
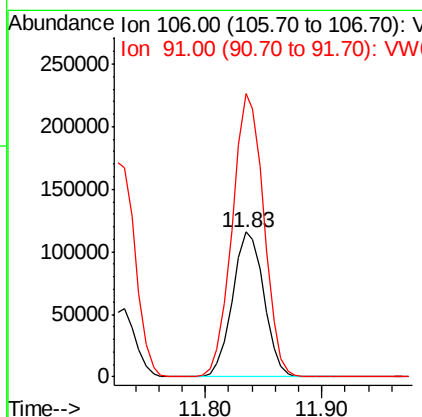
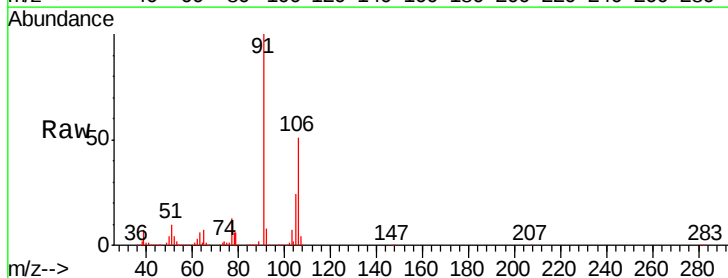
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS02

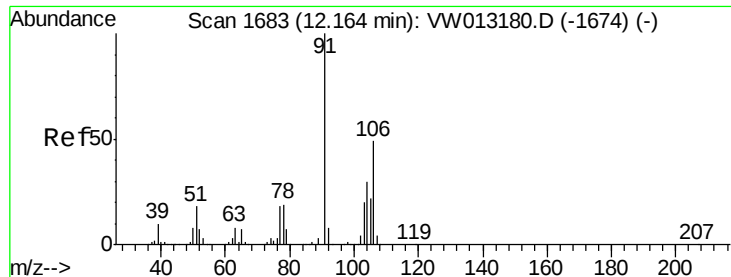
Tgt Ion: 91 Resp: 281835
Ion Ratio Lower Upper
91 100
106 30.0 24.9 37.3



#68
m/p-Xylenes
Concen: 40.188 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Tgt Ion: 106 Resp: 217506
Ion Ratio Lower Upper
106 100
91 195.9 157.9 236.9

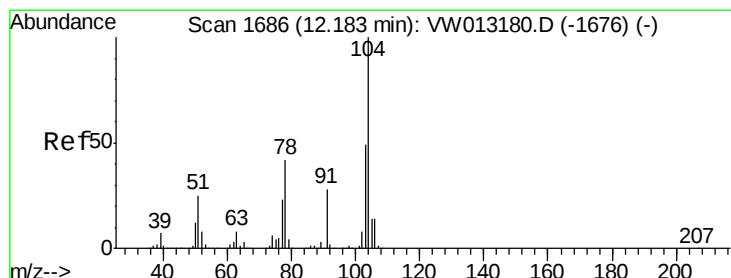
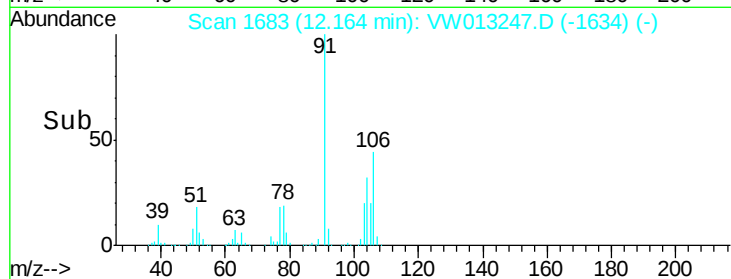
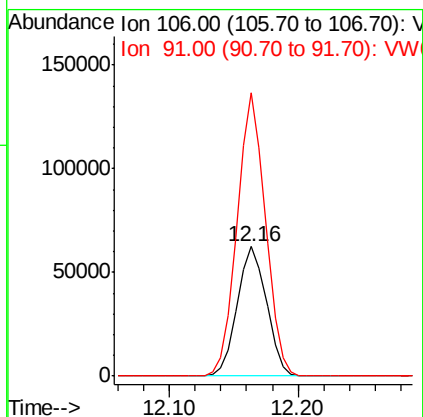
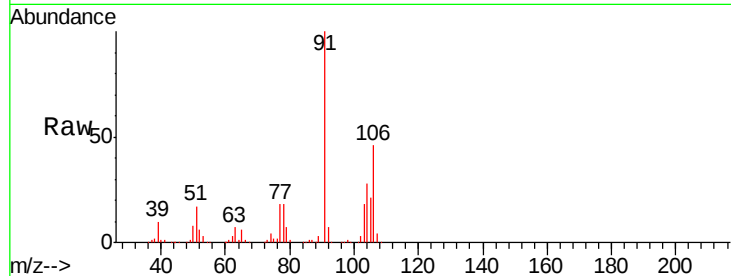




#69
o-Xylene
Concen: 19.546 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

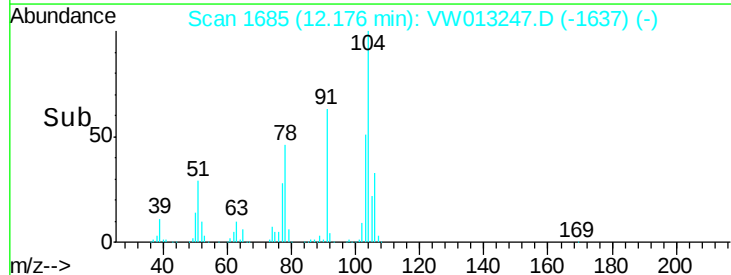
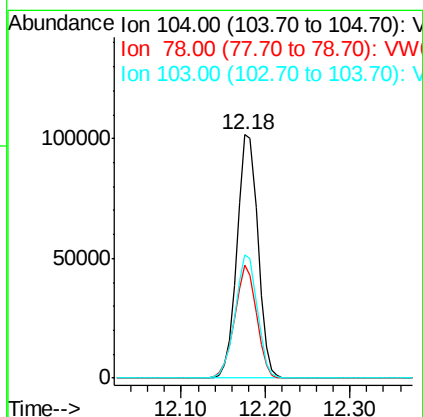
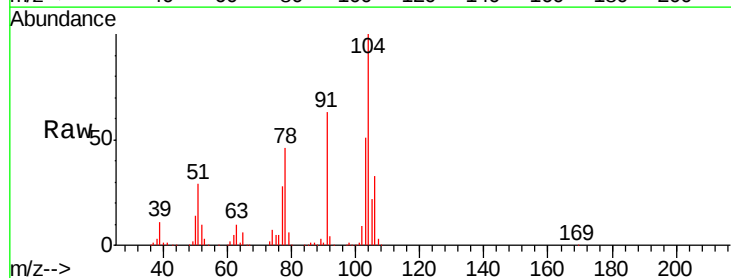
Instrument :
MSVOA_W
ClientSampled :
VW0923SBS02

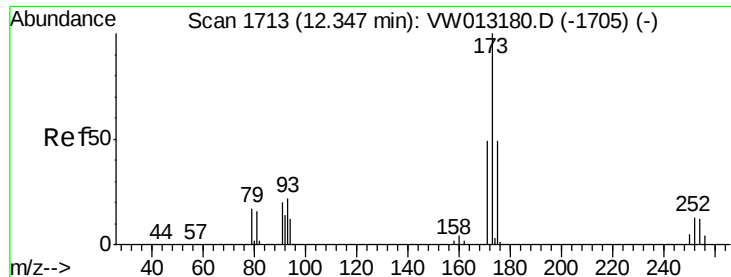
Tgt Ion:106 Resp: 98354
Ion Ratio Lower Upper
106 100
91 211.8 106.5 319.5



#70
Styrene
Concen: 19.576 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Tgt Ion:104 Resp: 169107
Ion Ratio Lower Upper
104 100
78 48.6 38.4 57.6
103 53.6 43.3 64.9





#71

Bromoform

Concen: 21.390 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS02

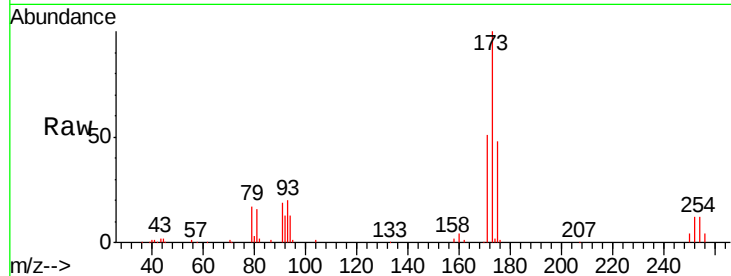
Tgt Ion:173 Resp: 30262

Ion Ratio Lower Upper

173 100

175 51.7 24.3 73.0

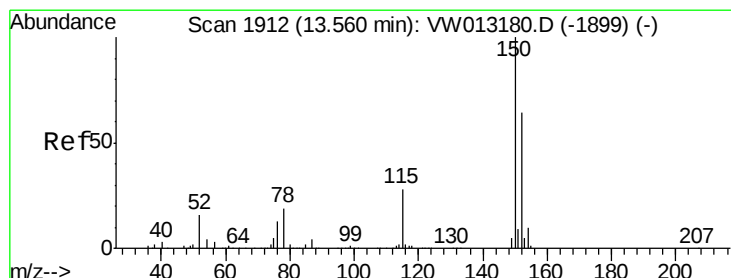
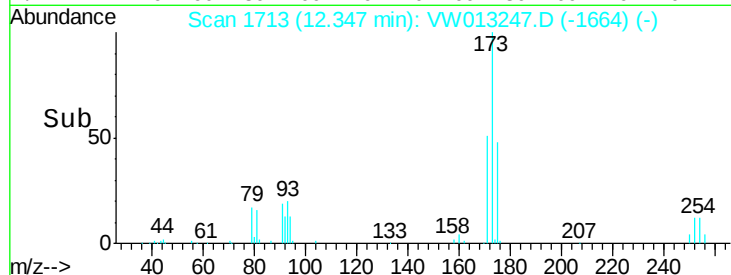
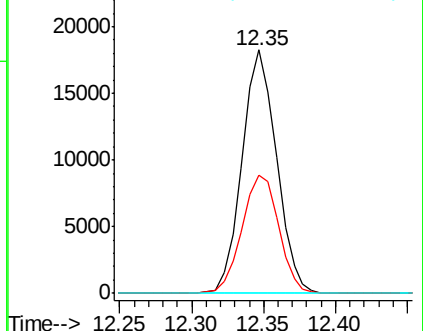
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

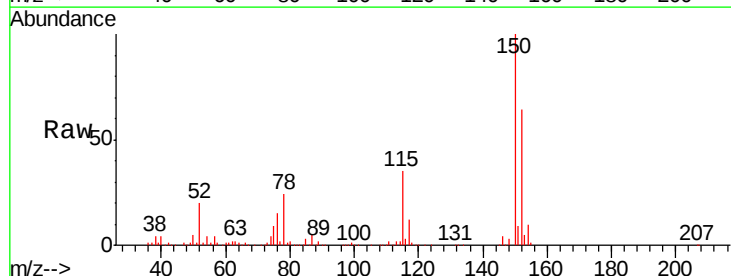
Tgt Ion:152 Resp: 192039

Ion Ratio Lower Upper

152 100

115 54.3 27.3 81.9

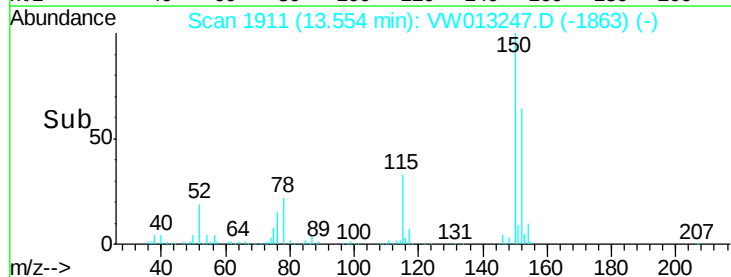
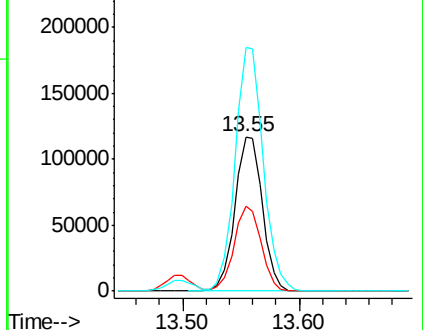
150 162.0 0.0 349.0

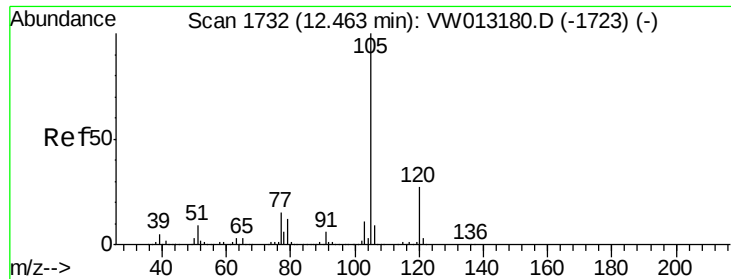


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.925 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

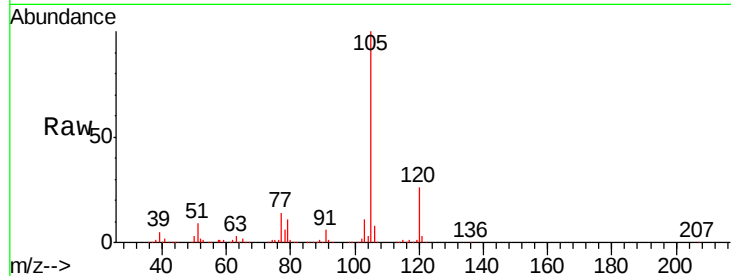
VW0923SBS02

Tgt Ion: 105 Resp: 282654

Ion Ratio Lower Upper

105 100

120 26.1 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

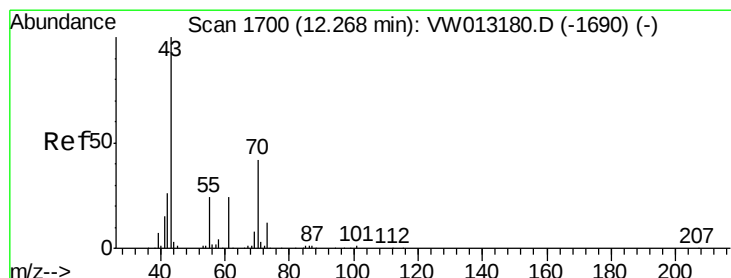
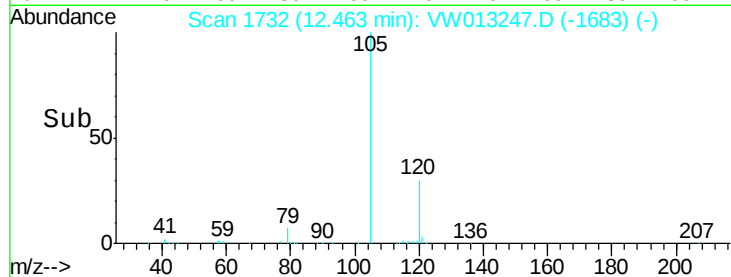
100000

50000

0

12.40 12.45 12.50

Time-->



#74

N-ethyl acetate

Concen: 22.272 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Tgt Ion: 43 Resp: 70109

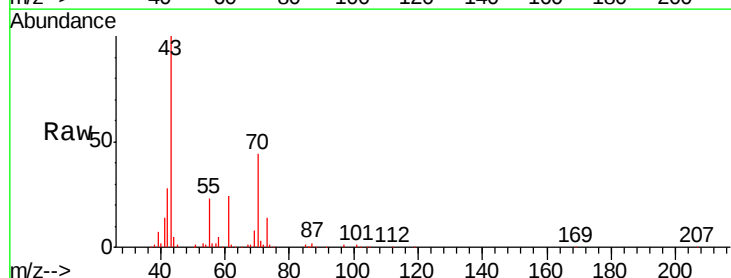
Ion Ratio Lower Upper

43 100

70 43.7 35.1 52.7

55 24.9 19.9 29.9

61 24.8 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

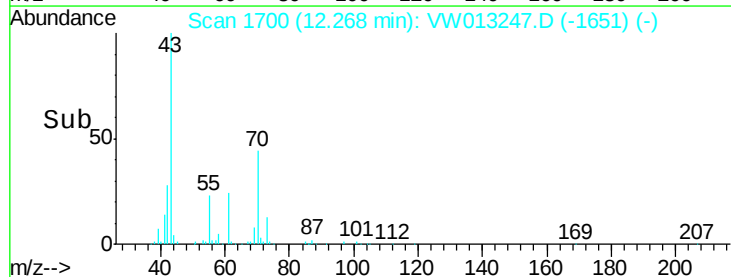
40000

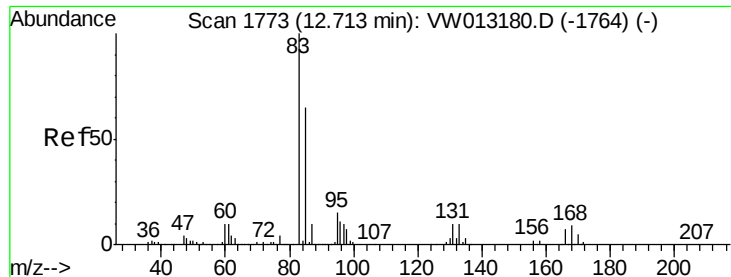
20000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.315 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS02

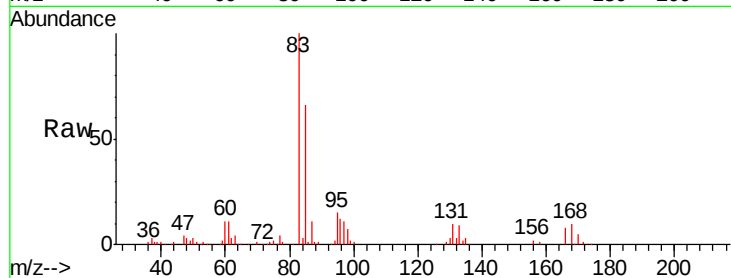
Tgt Ion: 83 Resp: 55315

Ion Ratio Lower Upper

83 100

131 11.2 5.4 16.2

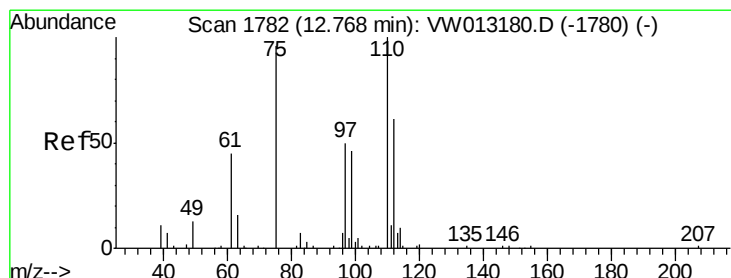
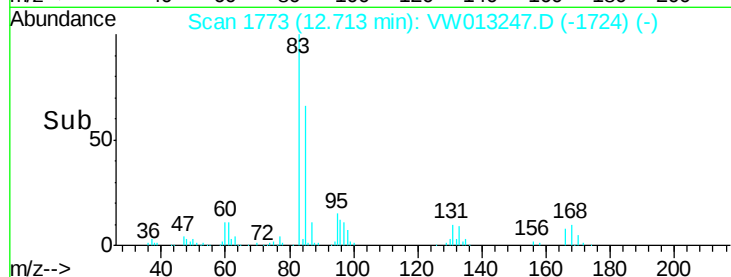
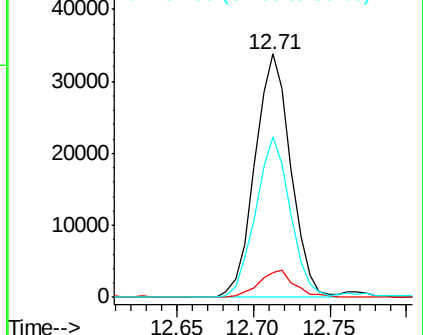
85 63.6 31.9 95.9



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: 40.444 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013247.D

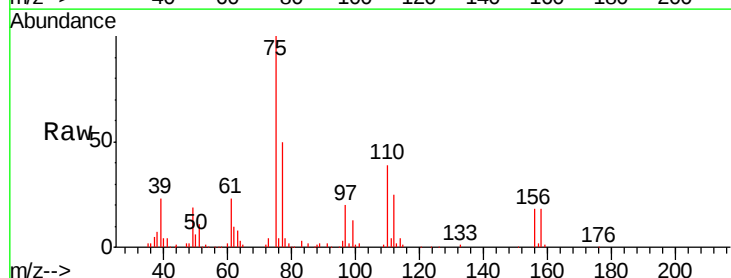
Acq: 24 Sep 2019 00:18

Tgt Ion: 75 Resp: 68592

Ion Ratio Lower Upper

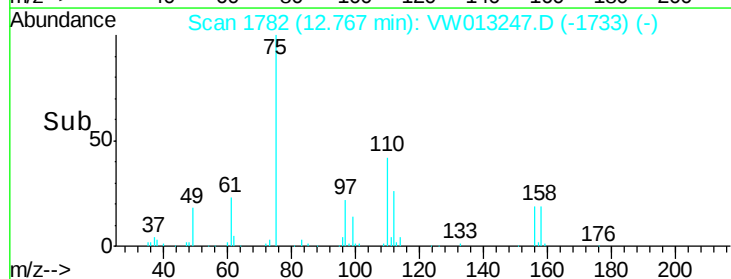
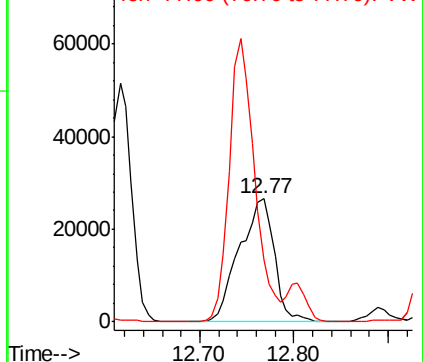
75 100

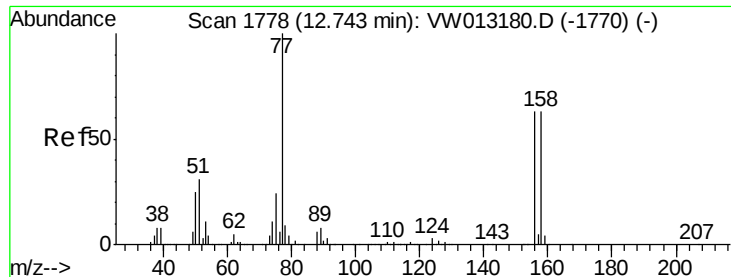
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.013 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS02

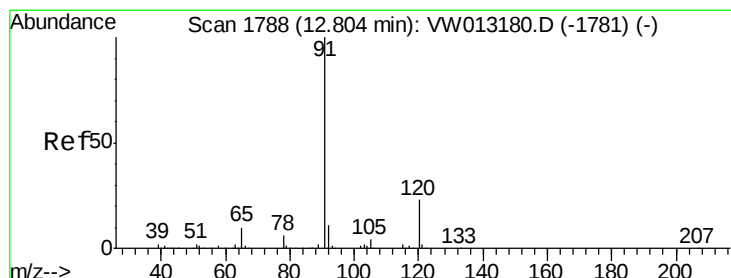
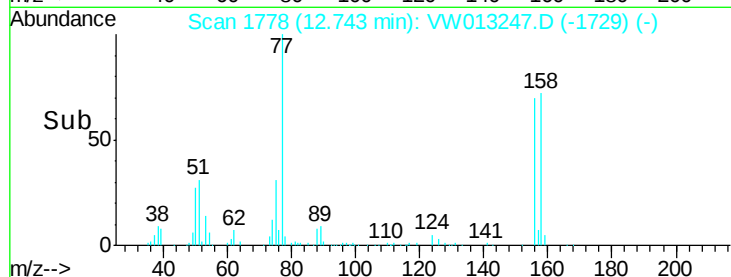
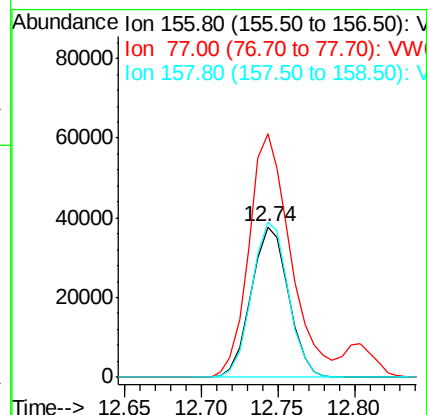
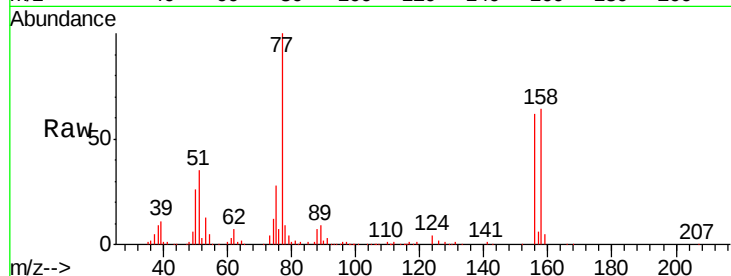
Tgt Ion:156 Resp: 63915

Ion Ratio Lower Upper

156 100

77 180.7 85.7 257.1

158 101.2 48.1 144.4



#78

n-propylbenzene

Concen: 19.904 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013247.D

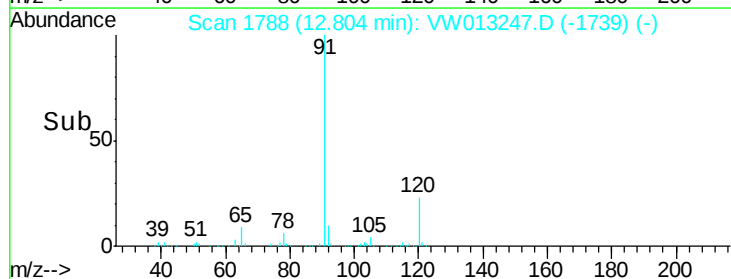
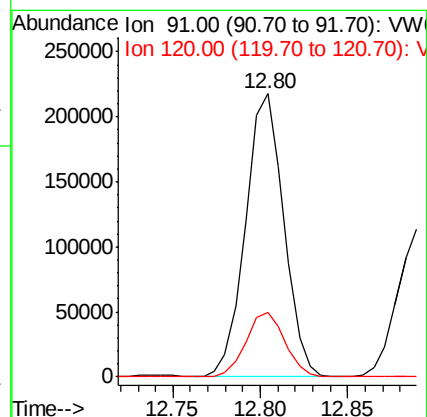
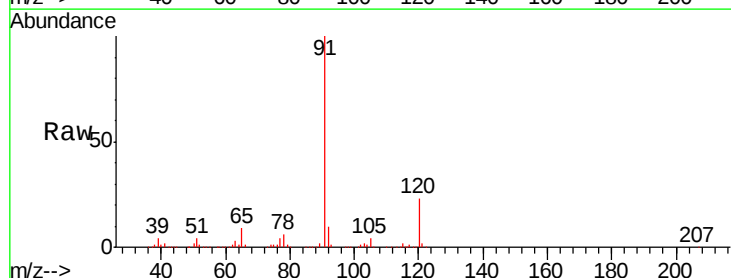
Acq: 24 Sep 2019 00:18

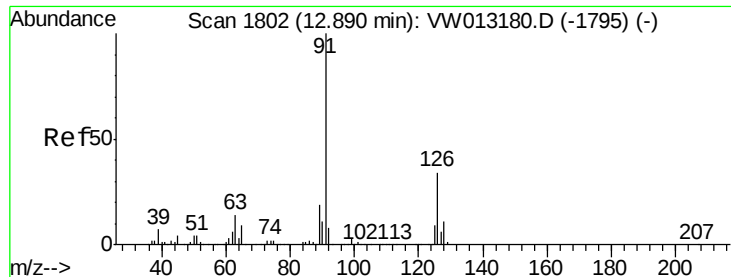
Tgt Ion: 91 Resp: 330506

Ion Ratio Lower Upper

91 100

120 23.3 11.7 35.1





#79

2-Chlorotoluene

Concen: 19.330 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

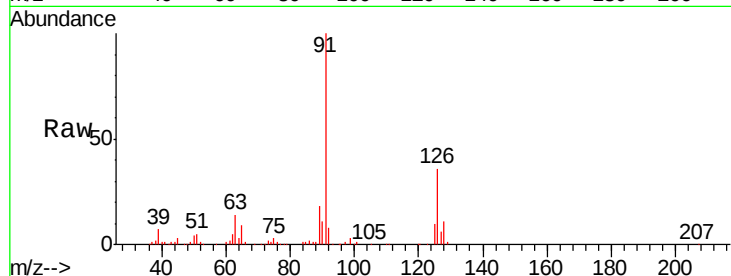
VW0923SBS02

Tgt Ion: 91 Resp: 179824

Ion Ratio Lower Upper

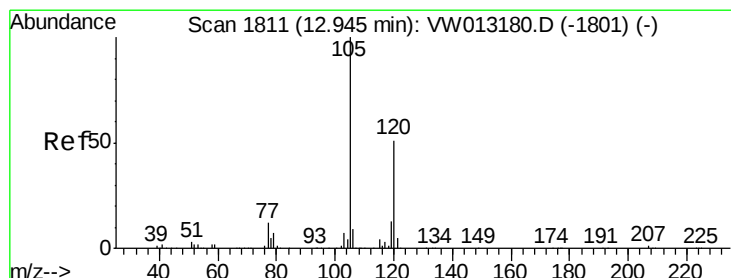
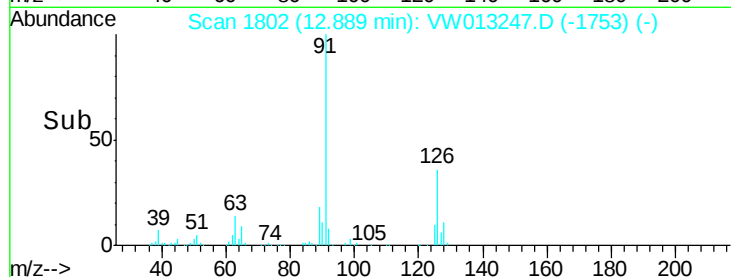
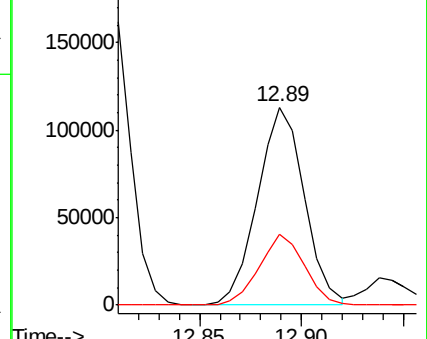
91 100

126 34.8 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.877 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW013247.D

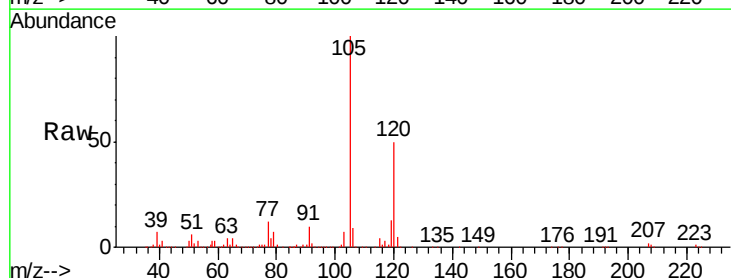
Acq: 24 Sep 2019 00:18

Tgt Ion: 105 Resp: 237029

Ion Ratio Lower Upper

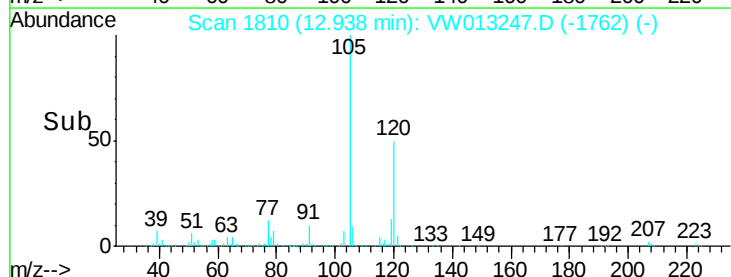
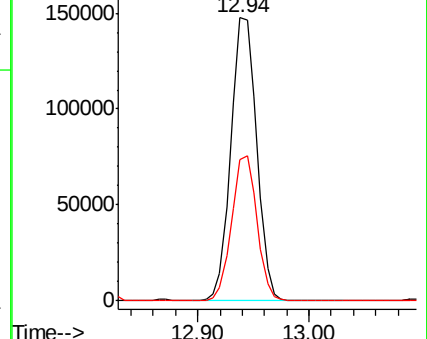
105 100

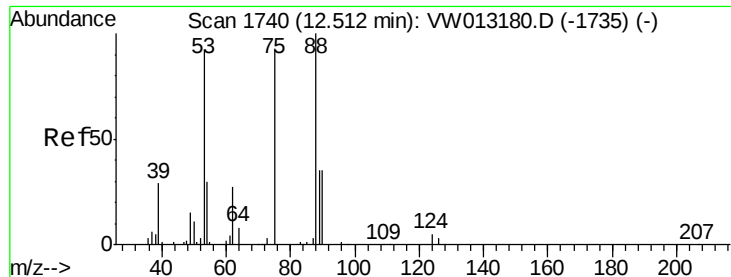
120 50.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.406 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS02

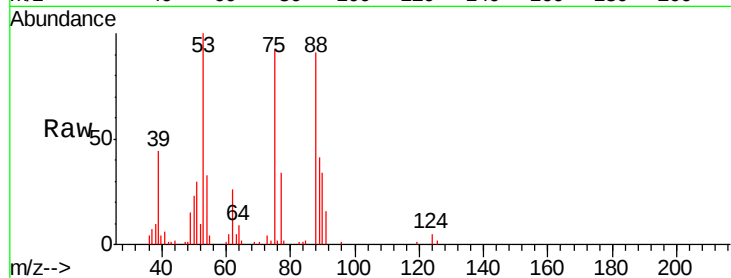
Tgt Ion: 75 Resp: 16179

Ion Ratio Lower Upper

75 100

53 101.6 76.6 114.8

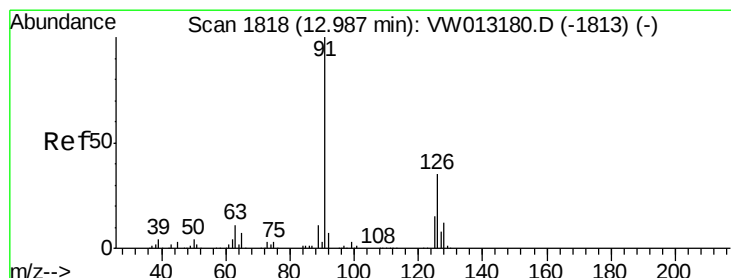
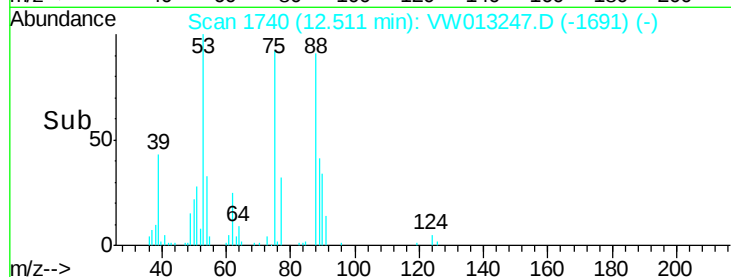
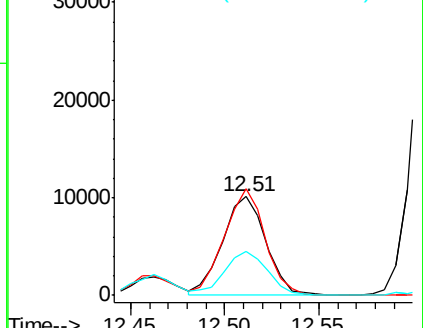
89 44.3 33.5 50.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 19.086 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013247.D

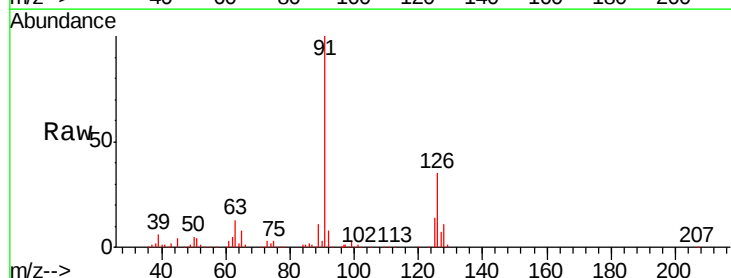
Acq: 24 Sep 2019 00:18

Tgt Ion: 91 Resp: 187242

Ion Ratio Lower Upper

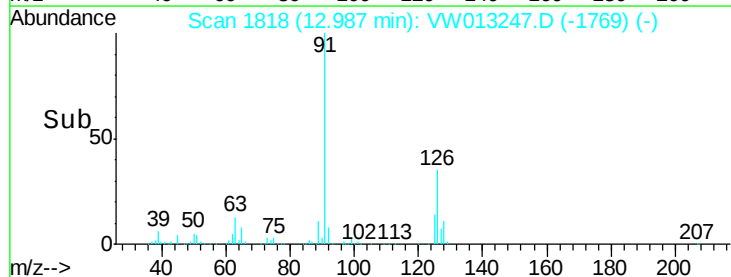
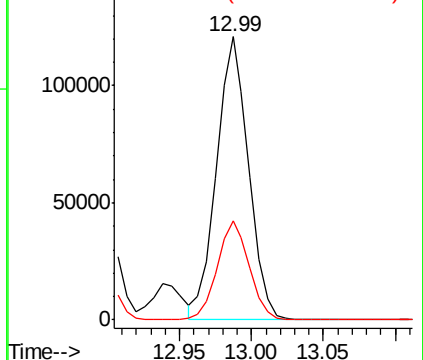
91 100

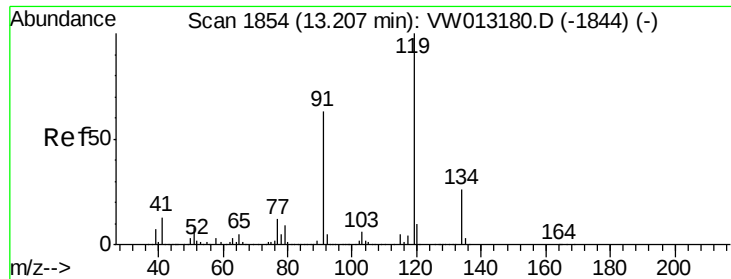
126 35.0 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

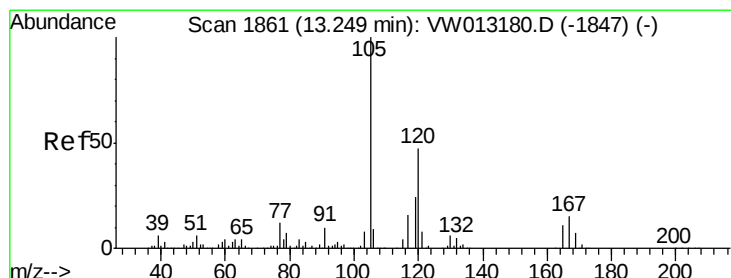
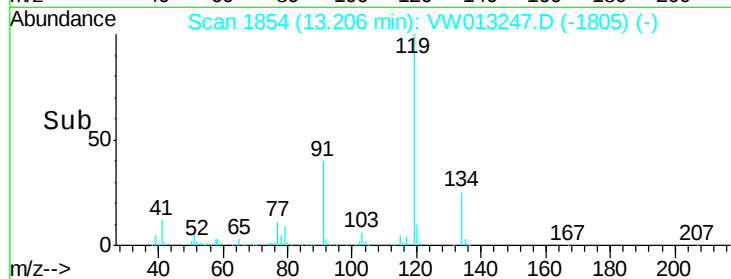
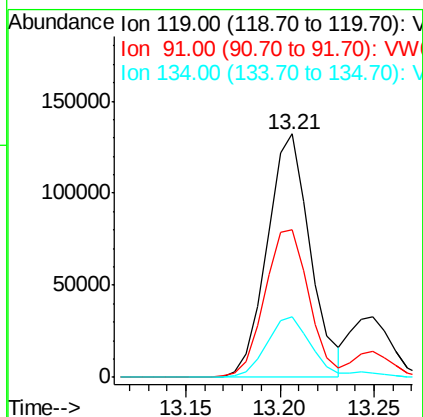
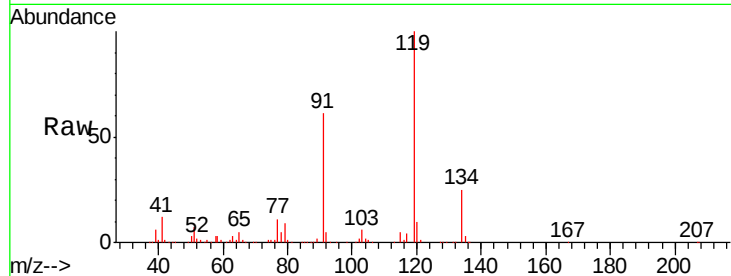




#83
 tert-Butylbenzene
 Concen: 20.073 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

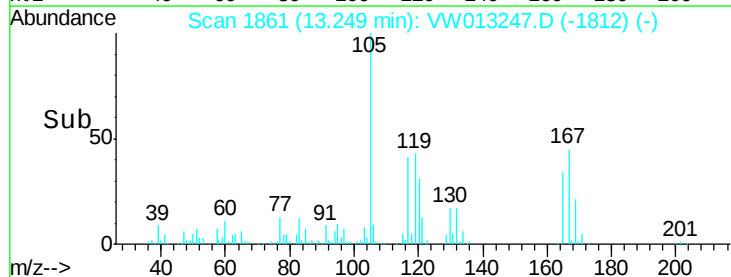
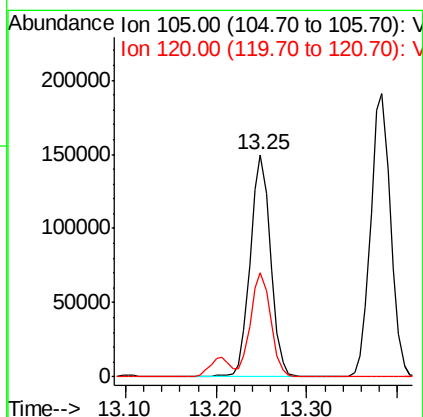
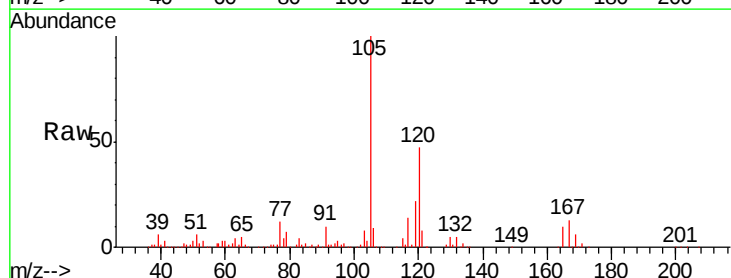
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS02

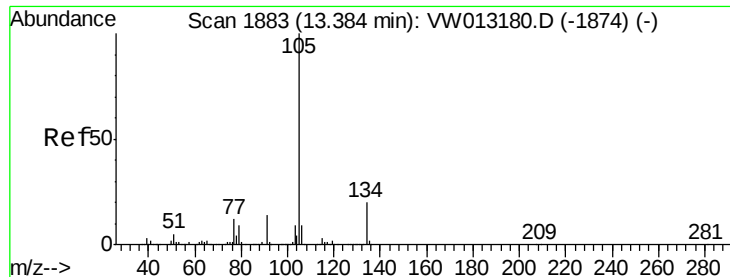
Tgt Ion:119 Resp: 210092
 Ion Ratio Lower Upper
 119 100
 91 62.3 30.7 92.1
 134 25.3 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.609 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

Tgt Ion:105 Resp: 232686
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.4 70.3

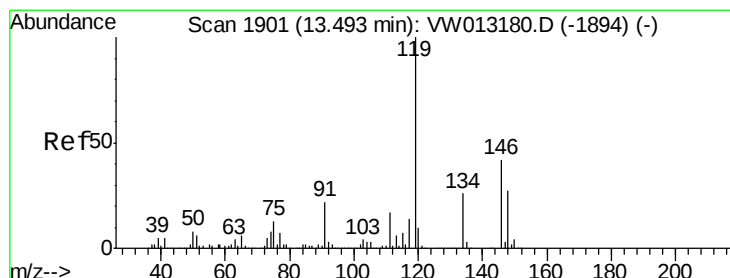
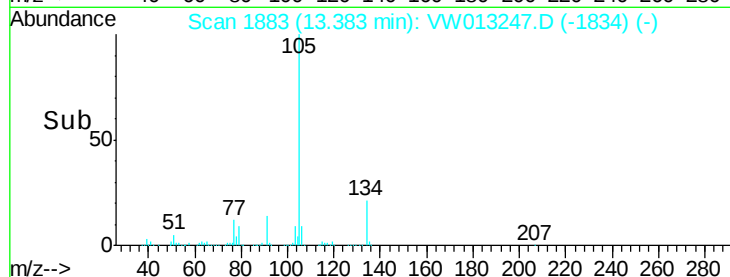
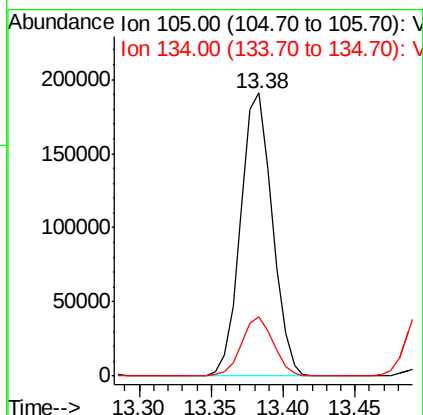
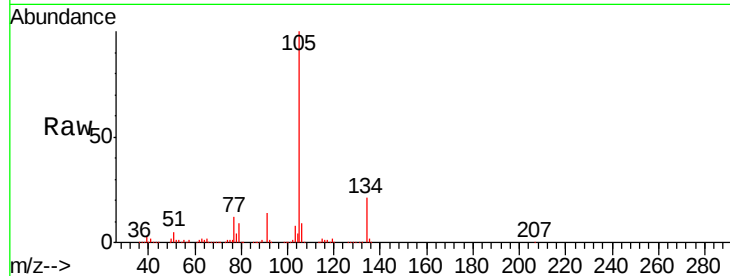




#85
 sec-Butylbenzene
 Concen: 20.199 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

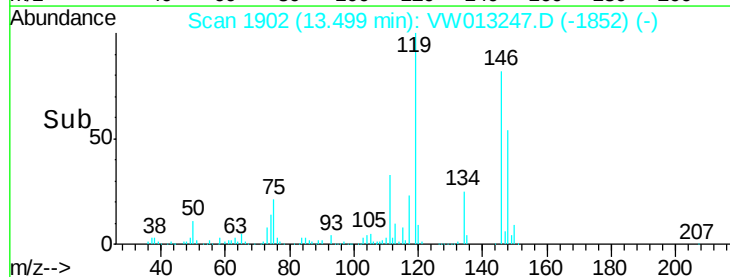
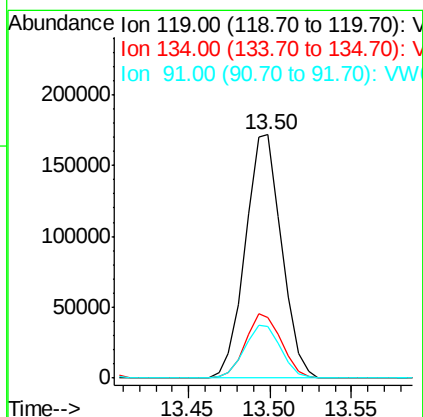
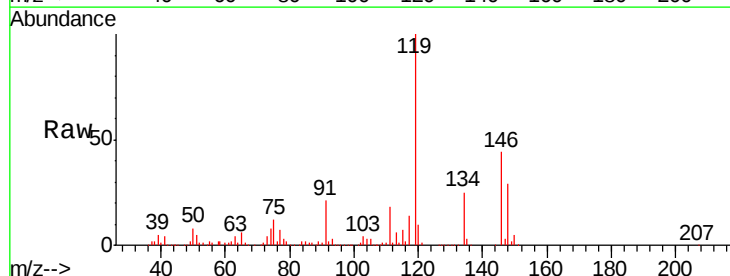
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS02

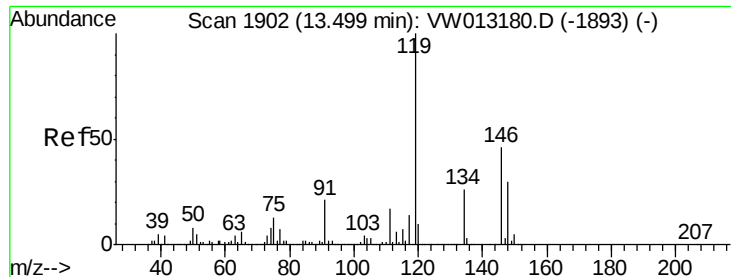
Tgt Ion:105 Resp: 291481
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 19.799 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

Tgt Ion:119 Resp: 264988
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.3 39.8
 91 21.9 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 19.322 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS02

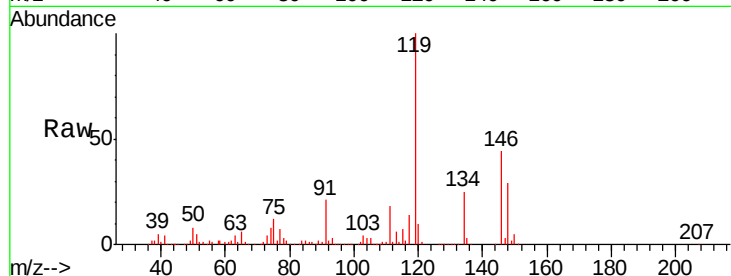
Tgt Ion:146 Resp: 125008

Ion Ratio Lower Upper

146 100

111 38.8 18.9 56.9

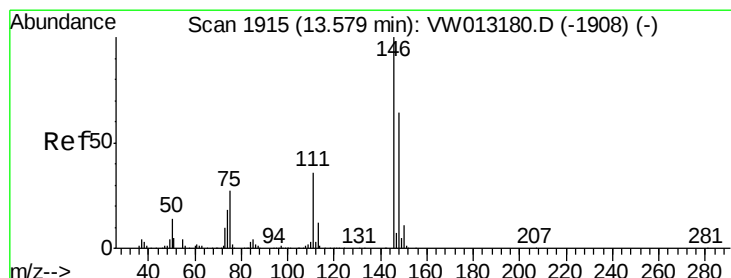
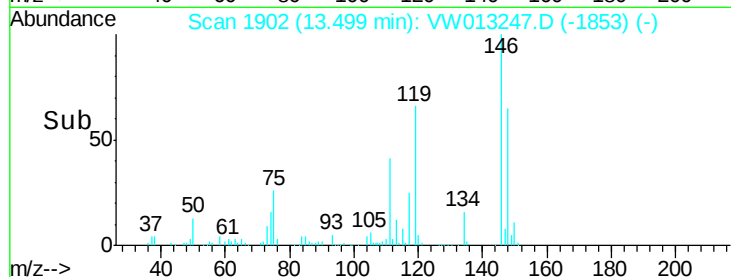
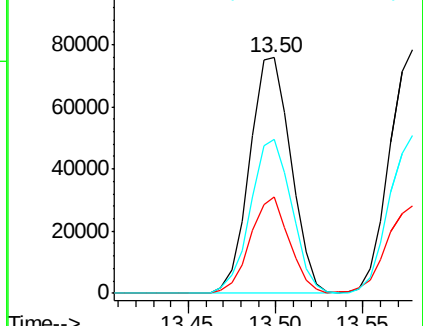
148 64.8 31.9 95.5



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



#88

1,4-Dichlorobenzene

Concen: 19.669 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

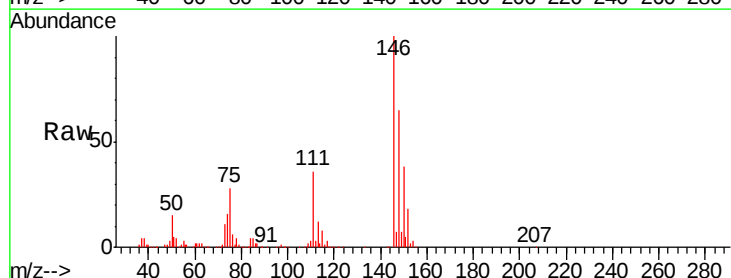
Tgt Ion:146 Resp: 124808

Ion Ratio Lower Upper

146 100

111 37.6 18.4 55.0

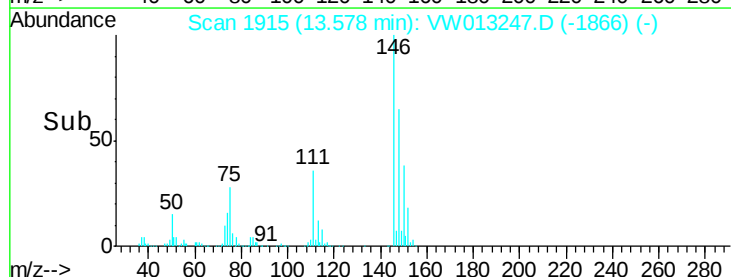
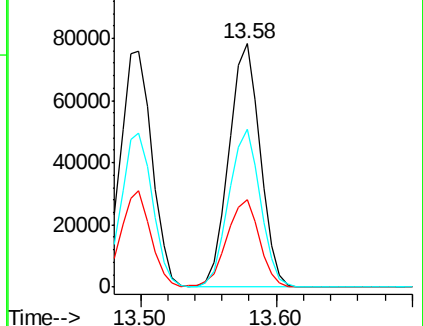
148 65.9 32.1 96.3

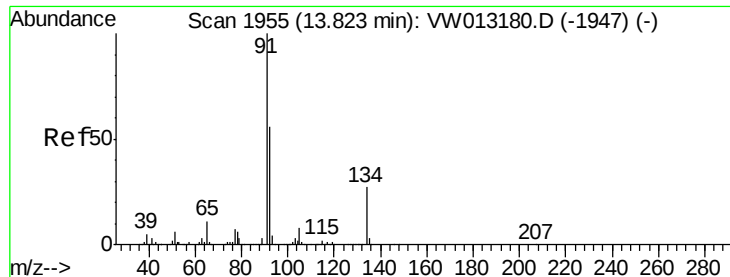


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.503 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013247.D

Acq: 24 Sep 2019 00:18

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS02

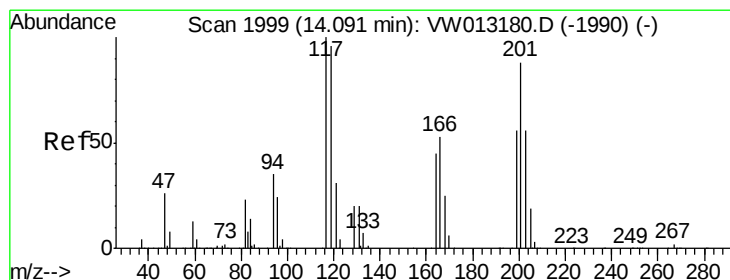
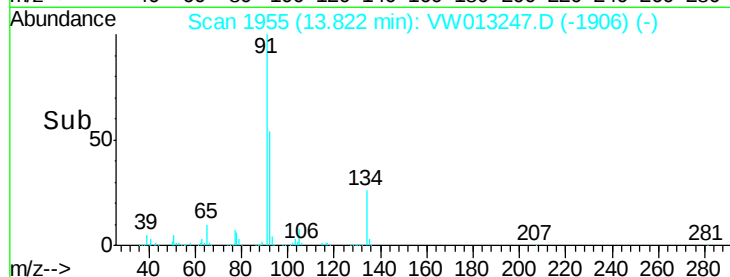
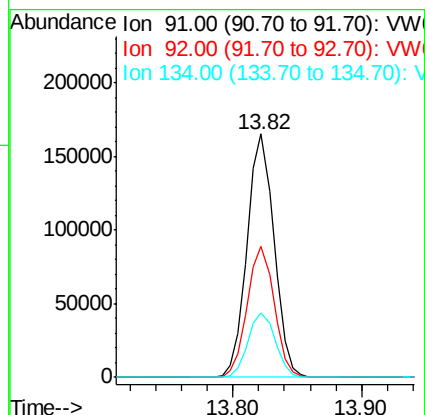
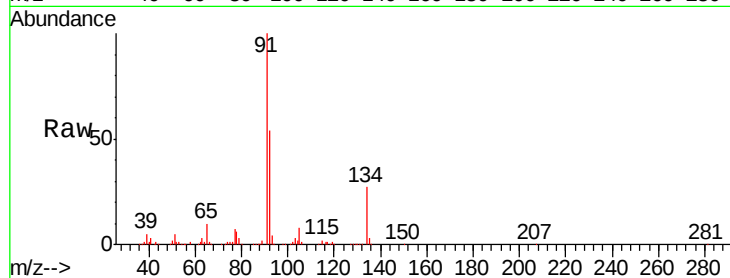
Tgt Ion: 91 Resp: 238351

Ion Ratio Lower Upper

91 100

92 54.2 27.6 82.8

134 26.9 13.7 41.1



#90

Hexachloroethane

Concen: 19.688 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013247.D

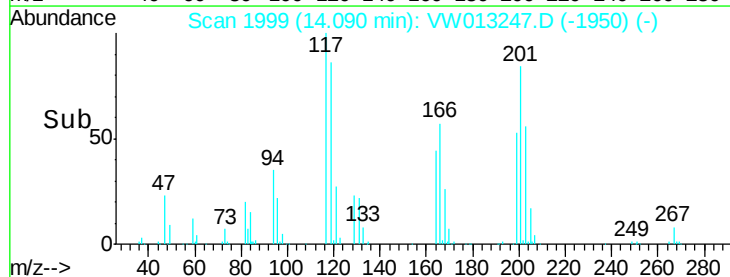
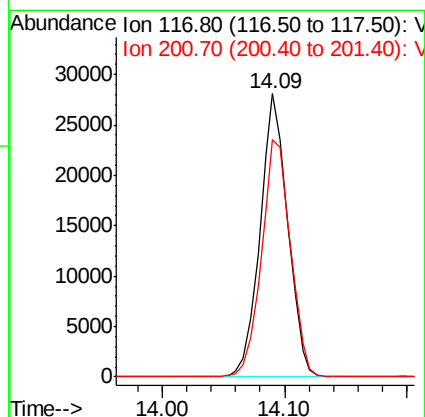
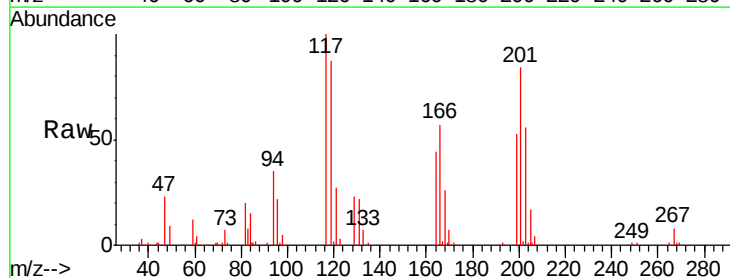
Acq: 24 Sep 2019 00:18

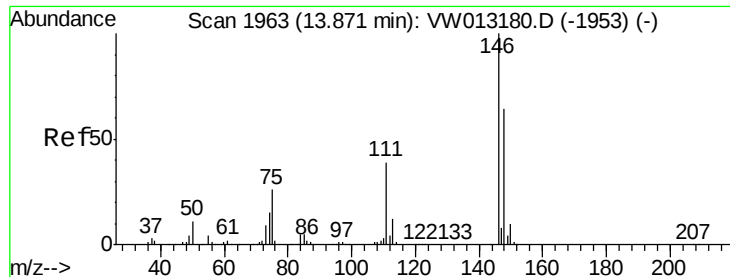
Tgt Ion: 117 Resp: 44266

Ion Ratio Lower Upper

117 100

201 87.6 44.5 133.5

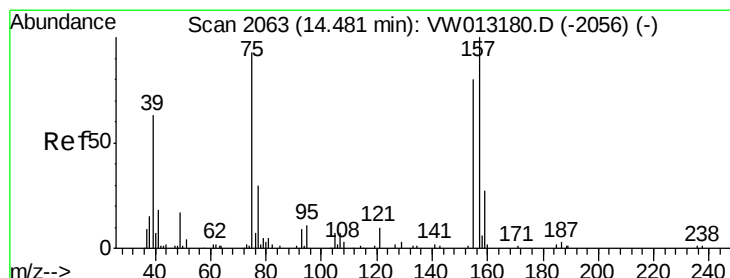
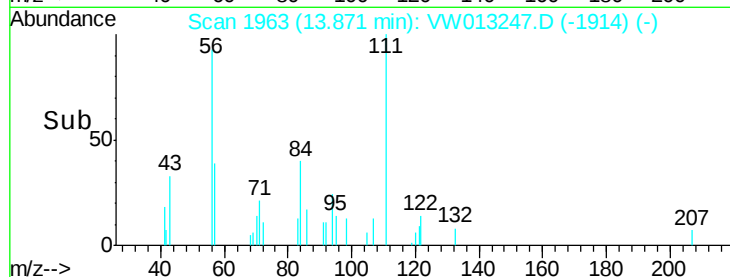
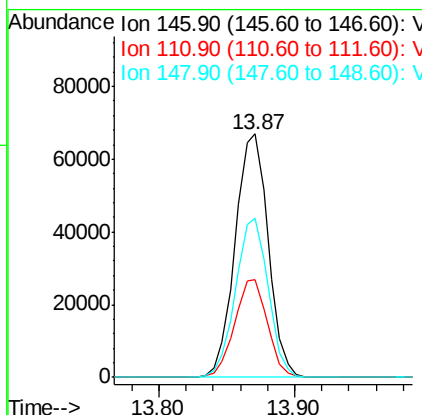
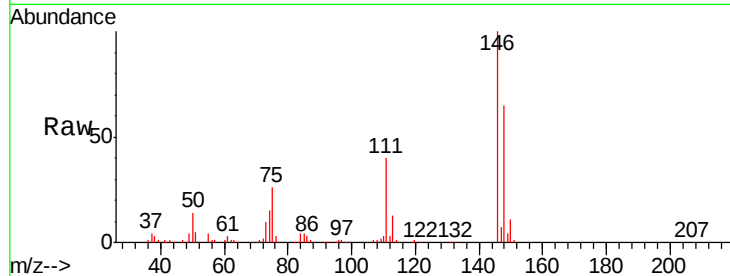




#91
 1,2-Dichlorobenzene
 Concen: 20.245 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

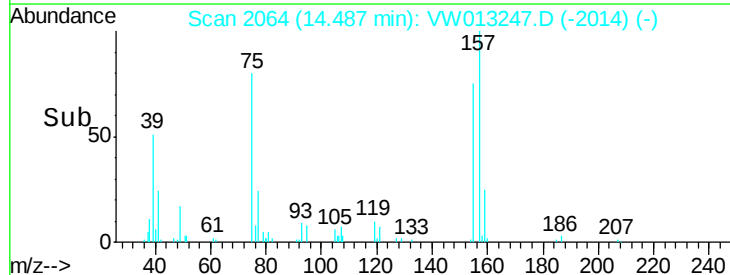
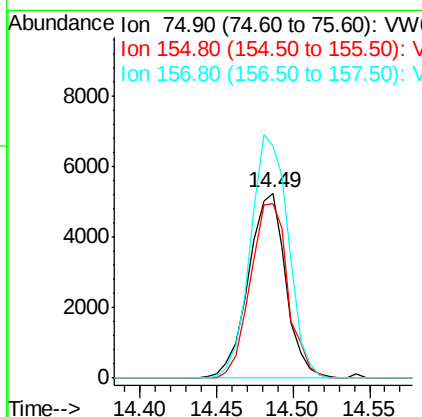
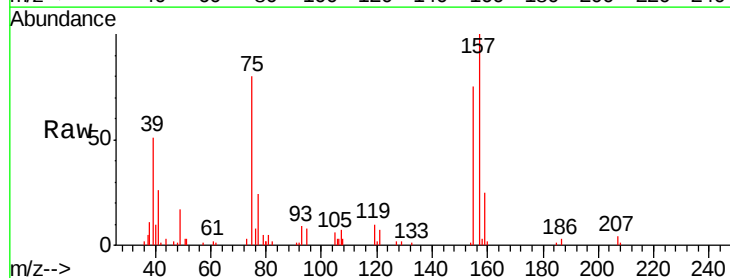
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS02

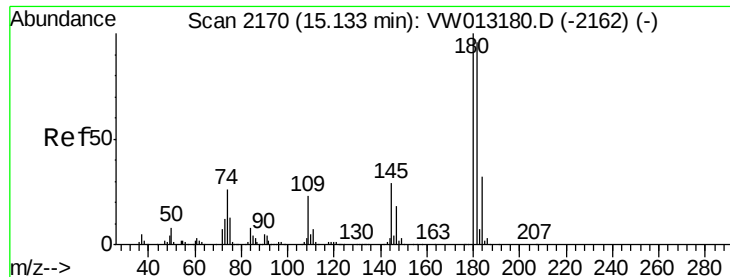
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.3
148	64.5	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.694 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	46.1	138.3
157	133.0	60.4	181.2

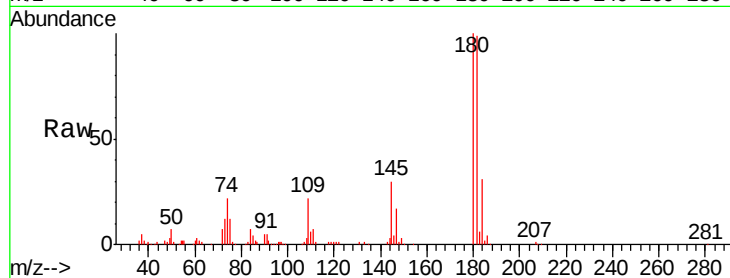




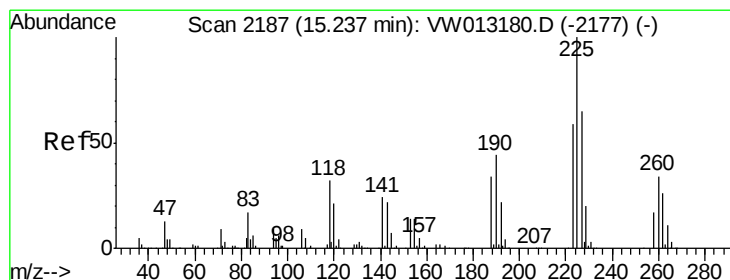
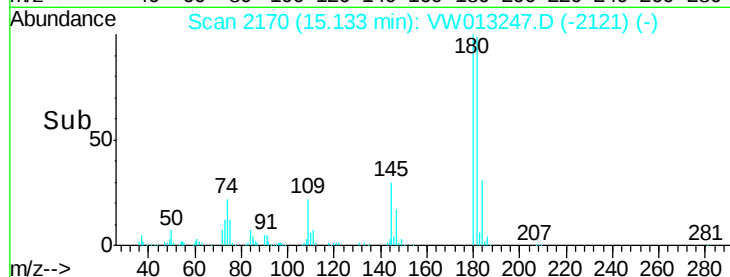
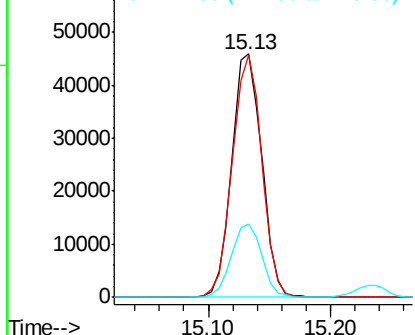
#93
 1,2,4-Trichlorobenzene
 Concen: 19.342 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS02

Tgt Ion:180 Resp: 77576
 Ion Ratio Lower Upper
 180 100
 182 97.5 47.3 142.0
 145 30.6 14.2 42.8

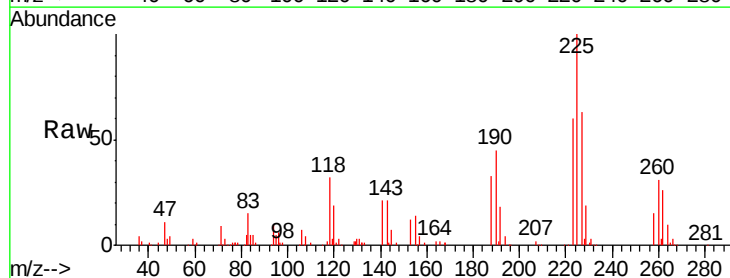


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

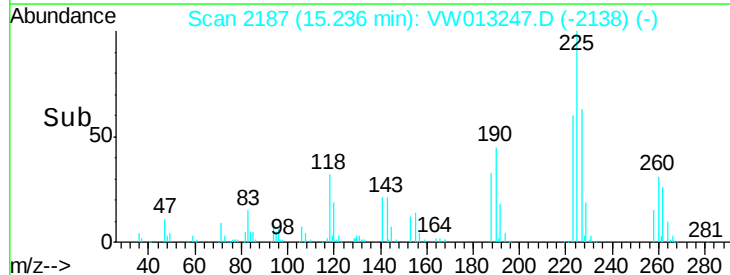
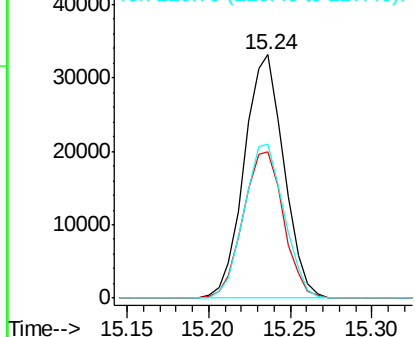


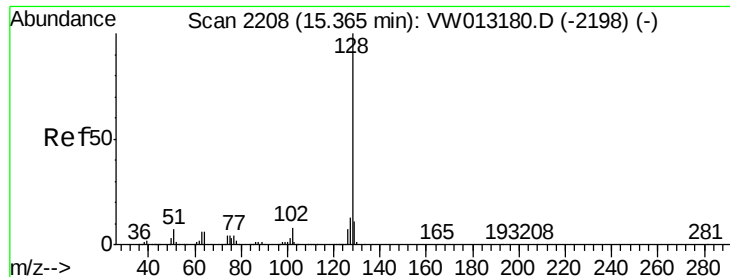
#94
 Hexachlorobutadiene
 Concen: 20.418 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013247.D
 Acq: 24 Sep 2019 00:18

Tgt Ion:225 Resp: 56028
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.6 91.8
 227 64.2 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

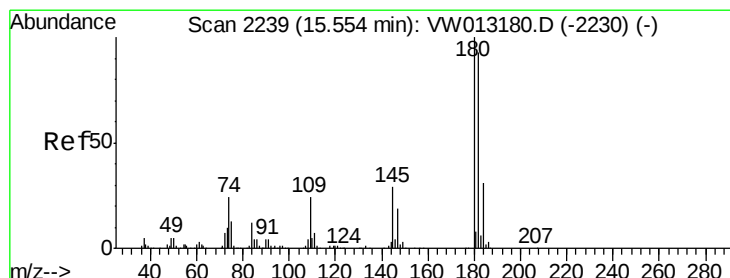
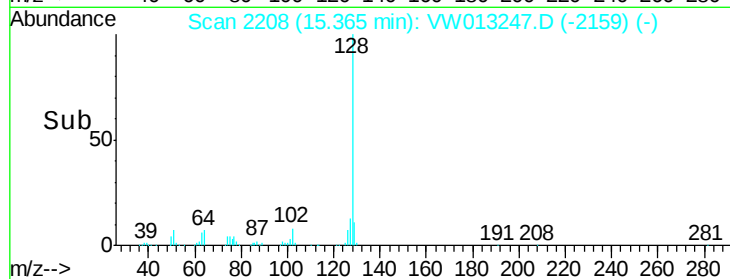
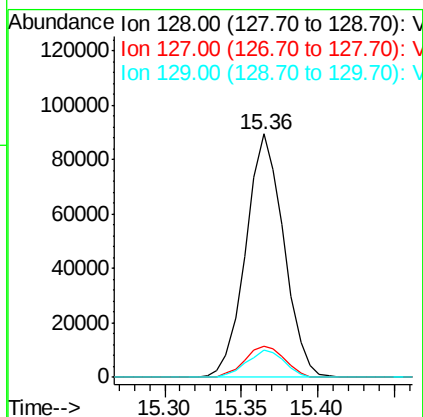
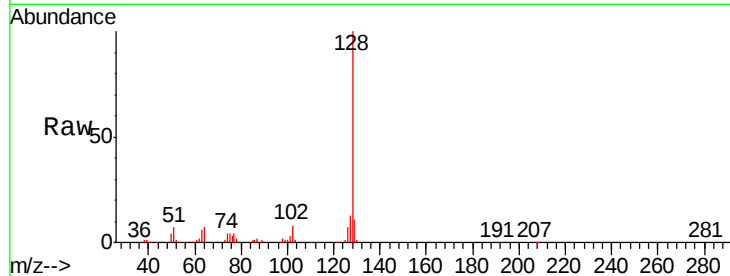




#95
Naphthalene
Concen: 23.501 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS02

Tgt Ion:128 Resp: 154163
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.193 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013247.D
Acq: 24 Sep 2019 00:18

Tgt Ion:180 Resp: 69982
Ion Ratio Lower Upper
180 100
182 97.7 47.9 143.7
145 30.3 15.0 45.0

