

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009106.D
 Acq On : 12 Mar 2019 01:42
 Operator : SY/VA
 Sample : VW0311SBSD02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD02

Quant Time: Mar 12 08:16:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	298629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	468663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	451899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	240872	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	179509	59.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.50%	
35) Dibromofluoromethane	7.88	113	152910	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	
50) Toluene-d8	10.32	98	599004	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.62	95	232293	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	59867	19.892	ug/l	95
3) Chloromethane	2.20	50	78193	20.452	ug/l	98
4) Vinyl Chloride	2.35	62	78831	20.317	ug/l	98
5) Bromomethane	2.76	94	81049	24.746	ug/l	95
6) Chloroethane	2.90	64	59772	21.639	ug/l	96
7) Trichlorofluoromethane	3.25	101	101114	20.240	ug/l	98
8) Diethyl Ether	3.68	74	35336	23.133	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60342	19.394	ug/l	96
10) Methyl Iodide	4.27	142	49606	16.948	ug/l	99
11) Tert butyl alcohol	5.20	59	27800	120.746	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	53642	19.987	ug/l	98
13) Acrolein	3.89	56	22643	89.373	ug/l	98
14) Allyl chloride	4.67	41	98152	20.733	ug/l	97
15) Acrylonitrile	5.37	53	70974	106.458	ug/l	98
16) Acetone	4.14	43	61520	90.739	ug/l	98
17) Carbon Disulfide	4.37	76	177425	19.648	ug/l #	95
18) Methyl Acetate	4.68	43	41534	26.641	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	162792	22.929	ug/l	98
20) Methylene Chloride	4.91	84	68586	18.036	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	63669	20.545	ug/l	91
22) Diisopropyl ether	6.31	45	210979	22.425	ug/l	98
23) Vinyl Acetate	6.26	43	614822	105.015	ug/l	99
24) 1,1-Dichloroethane	6.21	63	118967	21.801	ug/l	97
25) 2-Butanone	7.18	43	96610	103.106	ug/l	96
26) 2,2-Dichloropropane	7.16	77	92383	18.625	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	72017	21.638	ug/l	99
28) Bromochloromethane	7.51	49	50927	22.437	ug/l	99
29) Tetrahydrofuran	7.53	42	62588	105.997	ug/l	99
30) Chloroform	7.67	83	122847	21.866	ug/l	97
31) Cyclohexane	7.95	56	113230	20.208	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	110012	21.218	ug/l	99
36) 1,1-Dichloropropene	8.08	75	97213	19.838	ug/l	99
37) Ethyl Acetate	7.25	43	43265	18.796	ug/l	99
38) Carbon Tetrachloride	8.07	117	95758	18.921	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	106507	18.248	ug/l	97
40) Benzene	8.32	78	259367	19.827	ug/l	98
41) Methacrylonitrile	7.49	41	24673	19.303	ug/l	93
42) 1,2-Dichloroethane	8.40	62	85359	20.212	ug/l	98
43) Isopropyl Acetate	8.42	43	86549	20.189	ug/l	99
44) Trichloroethene	9.09	130	71039	19.376	ug/l	94
45) 1,2-Dichloropropane	9.37	63	67938	20.736	ug/l	97
46) Dibromomethane	9.46	93	37018	20.688	ug/l	98
47) Bromodichloromethane	9.64	83	94232	20.804	ug/l	96
48) Methyl methacrylate	9.43	41	38745	19.410	ug/l #	88
49) 1,4-Dioxane	9.47	88	9214	359.602	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	215883	99.194	ug/l	99
52) Toluene	10.38	92	168426	18.985	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	89104	19.890	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	103842	20.171	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	50576	20.854	ug/l	100
56) Ethyl methacrylate	10.65	69	59234	19.680	ug/l	98
57) 1,3-Dichloropropane	10.93	76	89960	20.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	163970	105.085	ug/l	98
59) 2-Hexanone	10.97	43	143337	93.673	ug/l	98
60) Dibromochloromethane	11.13	129	61703	20.559	ug/l	100
61) 1,2-Dibromoethane	11.23	107	46905	19.729	ug/l	95
64) Tetrachloroethene	10.86	164	68502	21.020	ug/l	95
65) Chlorobenzene	11.66	112	188715	19.186	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	65662	19.993	ug/l	99
67) Ethyl Benzene	11.73	91	333989	18.796	ug/l	98
68) m/p-Xylenes	11.84	106	261773	37.322	ug/l	99
69) o-Xylene	12.16	106	121635	18.638	ug/l	96
70) Styrene	12.18	104	201767	19.109	ug/l	100
71) Bromoform	12.35	173	34690	19.672	ug/l #	99
73) Isopropylbenzene	12.46	105	335996	19.479	ug/l	99
74) N-amyl acetate	12.27	43	75973	18.605	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	55519	20.405	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	76165	40.022	ug/l #	1
77) Bromobenzene	12.74	156	79318	20.125	ug/l	97
78) n-propylbenzene	12.80	91	404250	19.027	ug/l	100
79) 2-Chlorotoluene	12.90	91	236219	19.788	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	283304	19.054	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15454	18.163	ug/l	96
82) 4-Chlorotoluene	12.99	91	244655	19.227	ug/l	98
83) tert-Butylbenzene	13.21	119	244739	19.517	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	287105	19.089	ug/l	100
85) sec-Butylbenzene	13.38	105	354464	19.078	ug/l	99
86) p-Isopropyltoluene	13.50	119	304651	18.330	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	160462	19.373	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	157213	19.206	ug/l	99
89) n-Butylbenzene	13.83	91	286264	18.117	ug/l	99
90) Hexachloroethane	14.10	117	55437	19.339	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	140520	19.229	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9435	19.469	ug/l	95

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

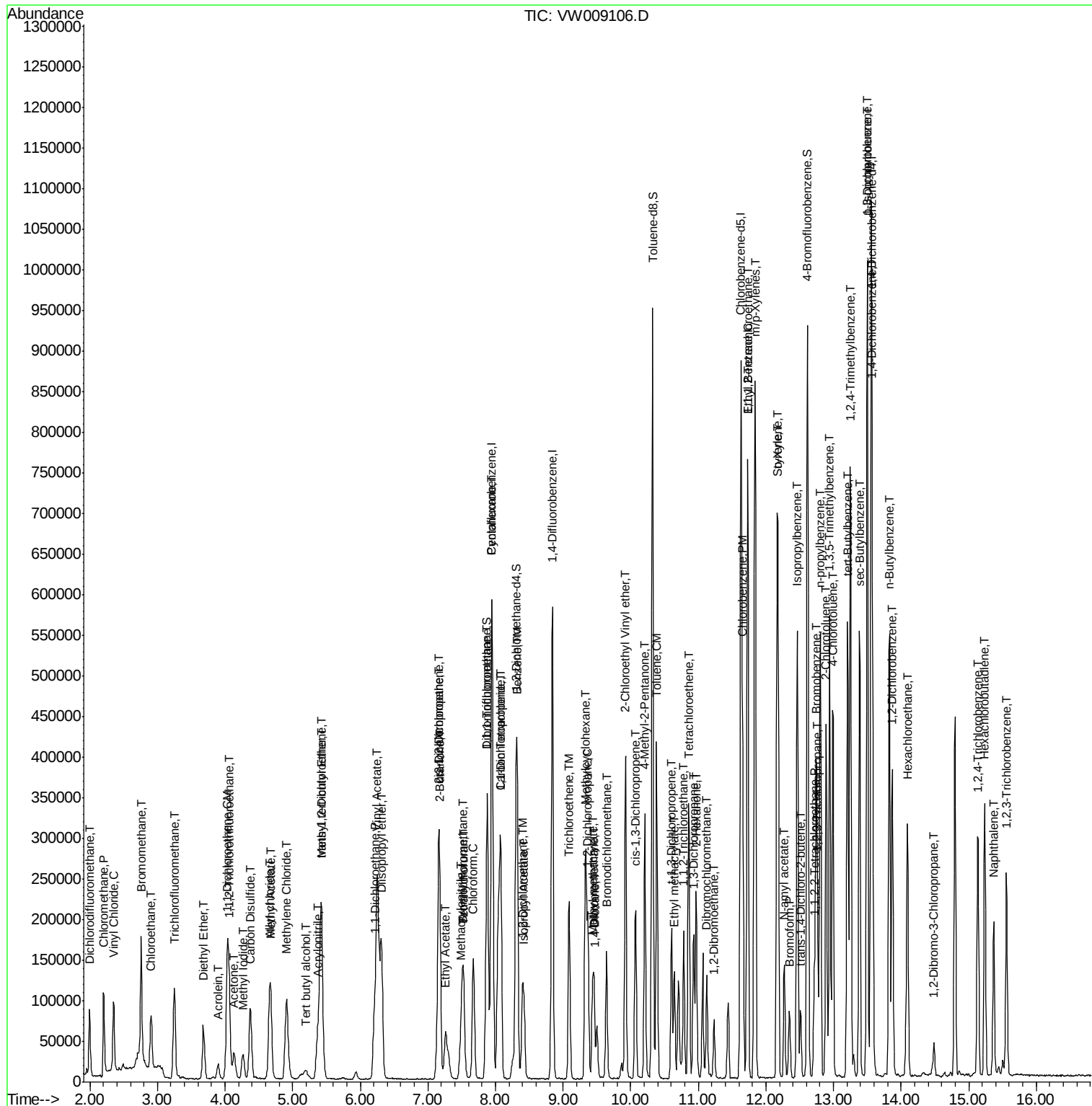
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	90763	18.391	ug/l	99
94) Hexachlorobutadiene	15.24	225	56175	18.172	ug/l	98
95) Naphthalene	15.37	128	153393	18.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	78045	17.984	ug/l	98

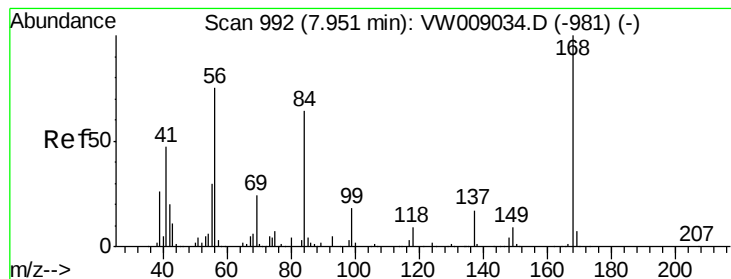
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

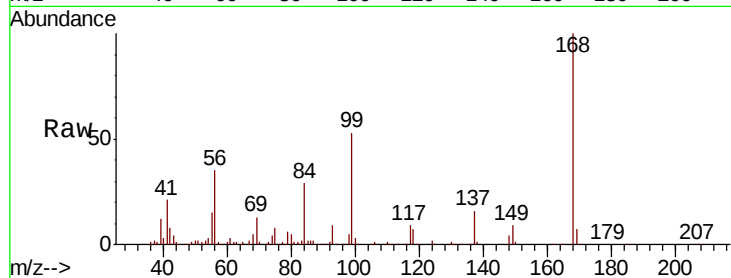
VW0311SBSD02

Tgt Ion:168 Resp: 298629

Ion Ratio Lower Upper

168 100

99 53.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

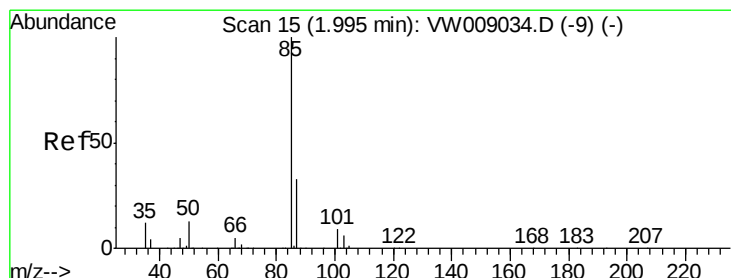
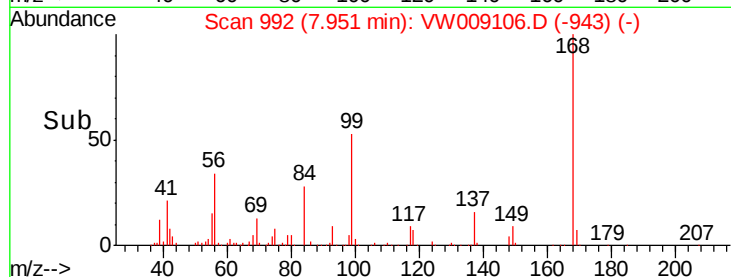
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.892 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW009106.D

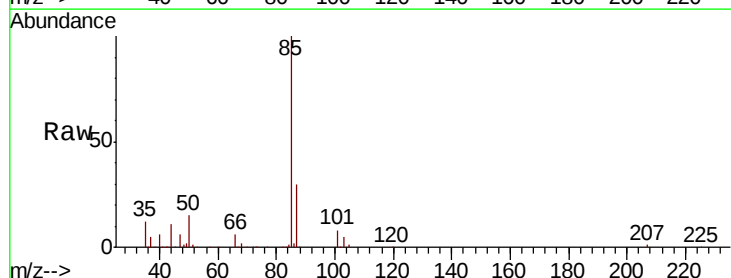
Acq: 12 Mar 2019 01:42

Tgt Ion: 85 Resp: 59867

Ion Ratio Lower Upper

85 100

87 30.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

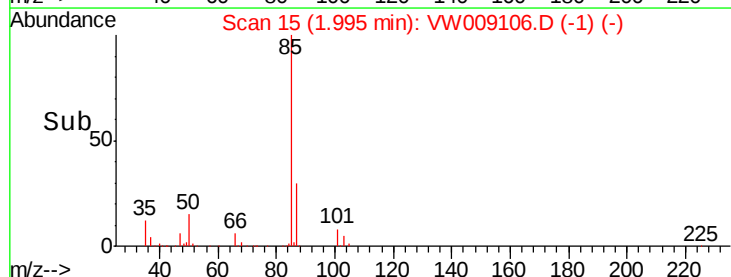
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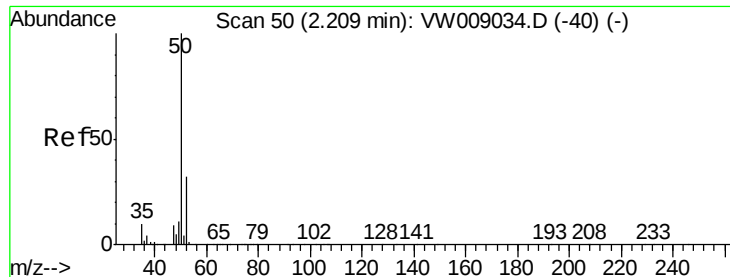
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.452 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

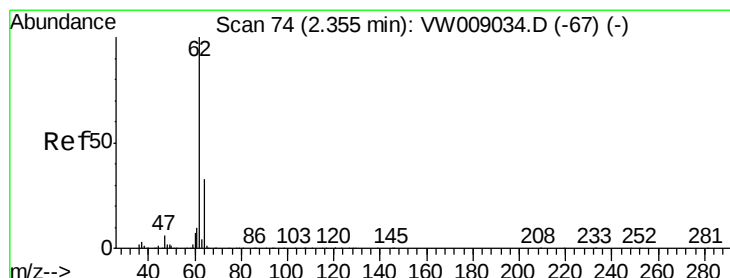
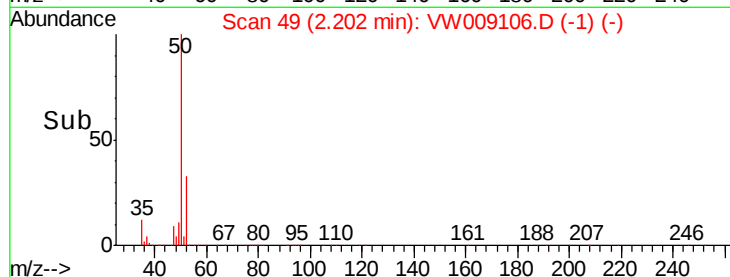
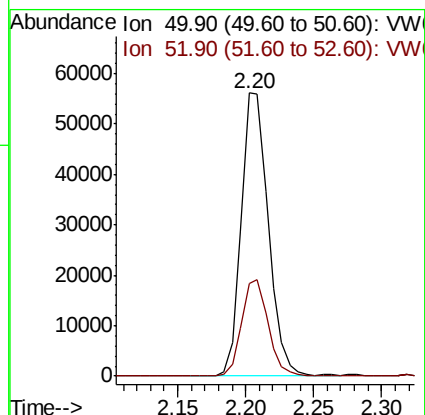
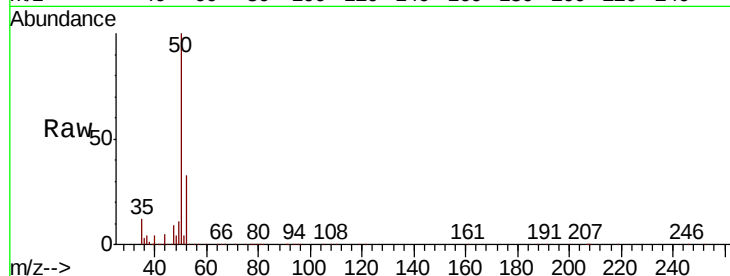
VW0311SBSD02

Tgt Ion: 50 Resp: 78193

Ion Ratio Lower Upper

50 100

52 32.6 25.4 38.2



#4

Vinyl Chloride

Concen: 20.317 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW009106.D

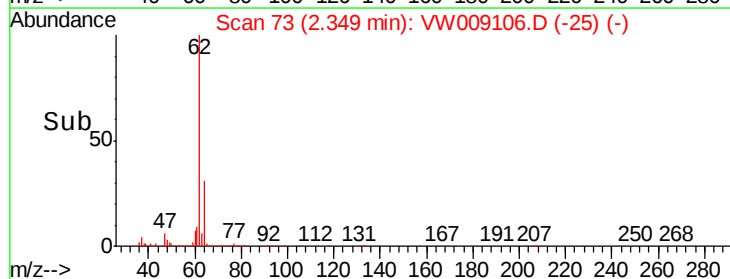
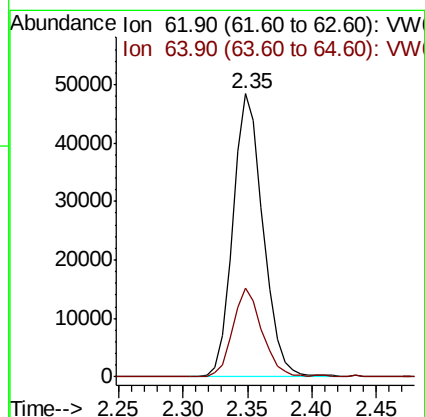
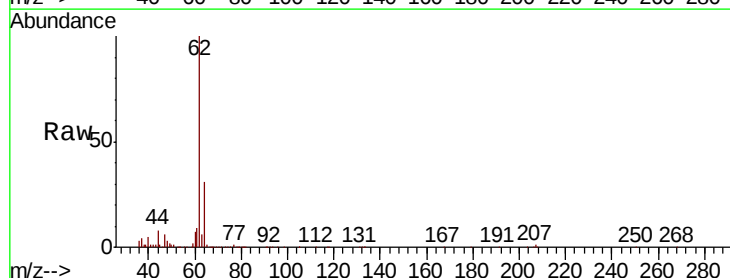
Acq: 12 Mar 2019 01:42

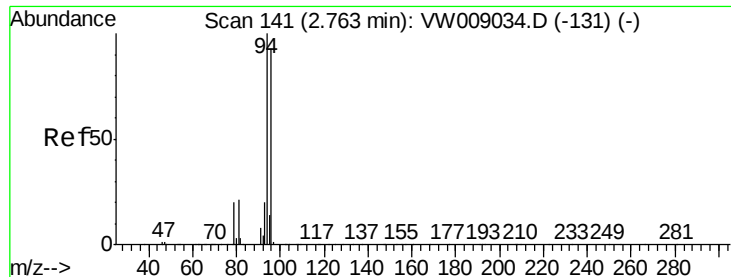
Tgt Ion: 62 Resp: 78831

Ion Ratio Lower Upper

62 100

64 31.4 26.0 39.0





#5

Bromomethane

Concen: 24.746 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

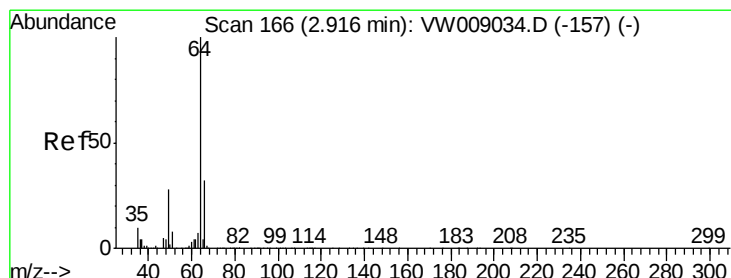
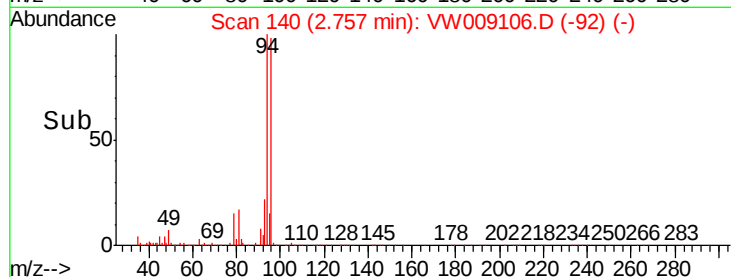
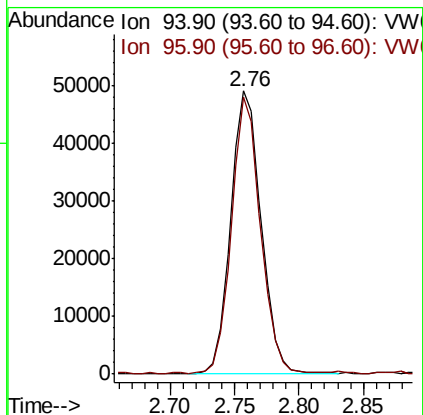
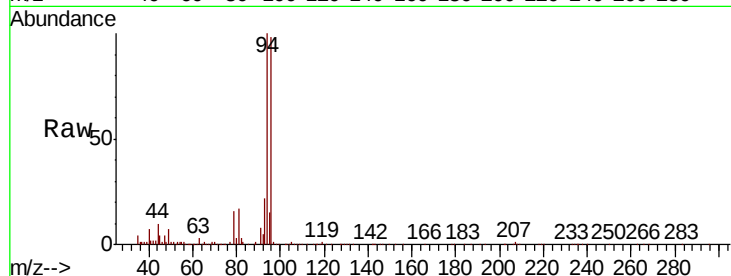
VW0311SBSD02

Tgt Ion: 94 Resp: 81049

Ion Ratio Lower Upper

94 100

96 97.5 74.4 111.6



#6

Chloroethane

Concen: 21.639 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW009106.D

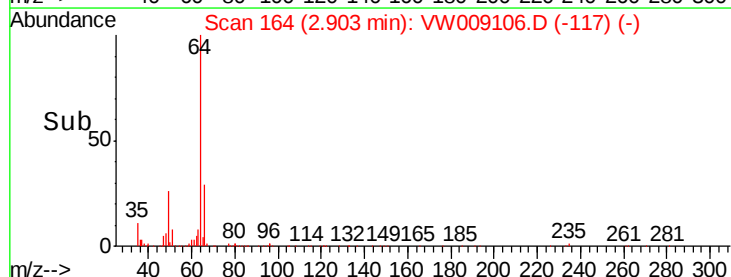
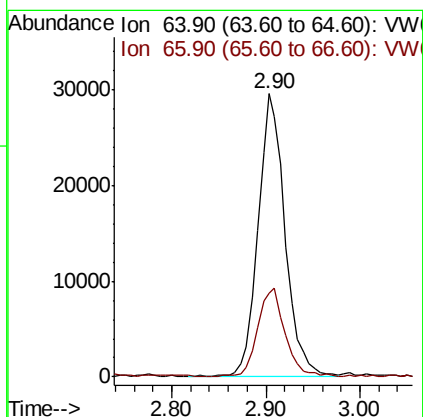
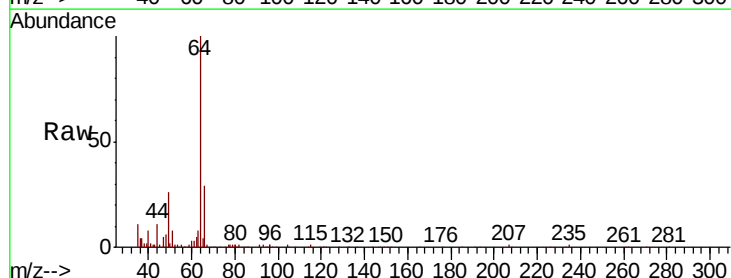
Acq: 12 Mar 2019 01:42

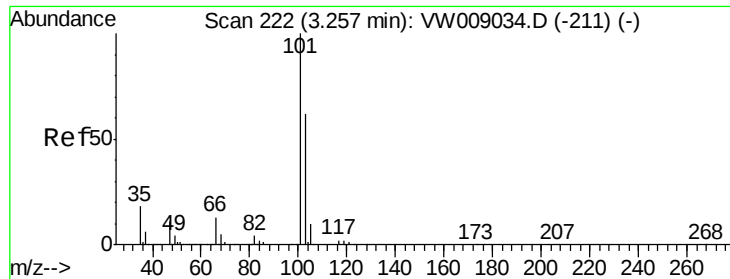
Tgt Ion: 64 Resp: 59772

Ion Ratio Lower Upper

64 100

66 29.5 25.5 38.3



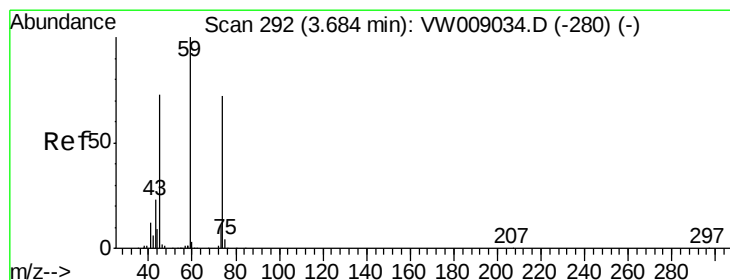
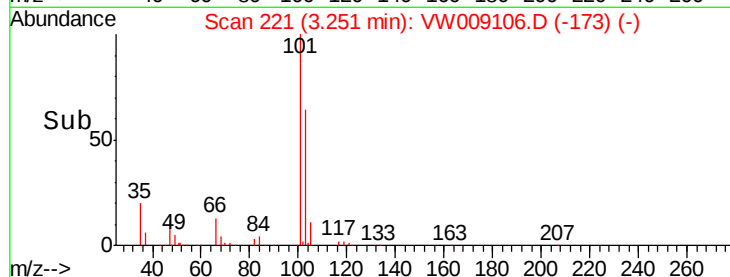
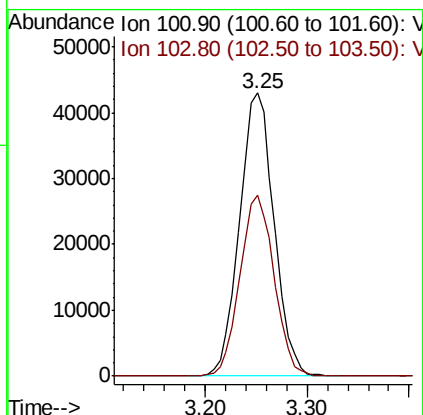
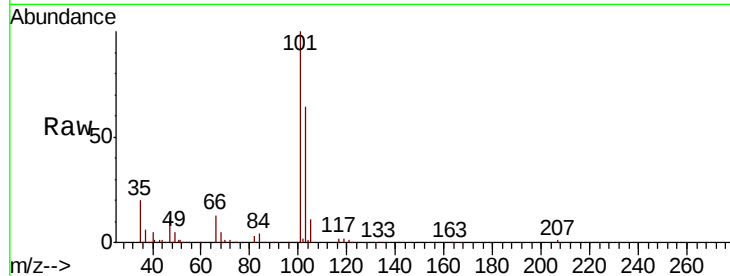


#7

Trichlorofluoromethane
Concen: 20.240 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

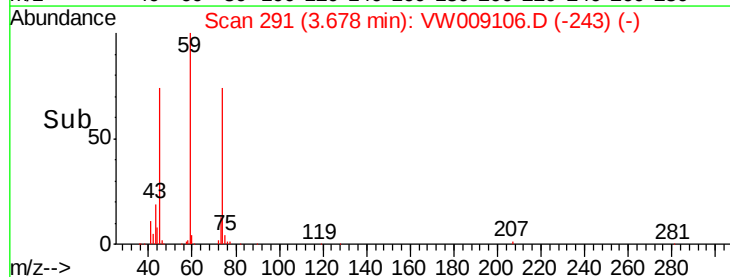
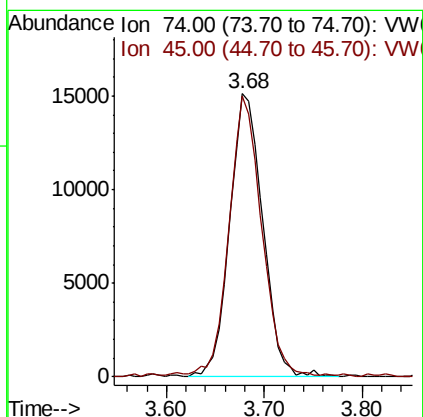
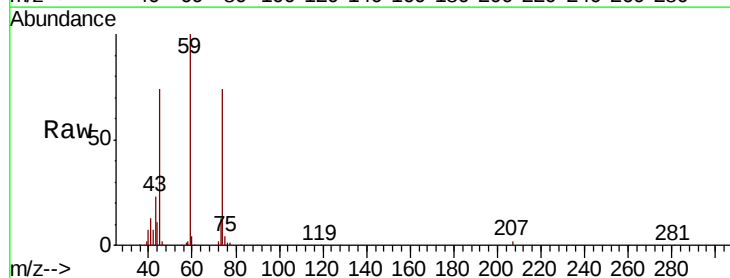
Tgt Ion:101 Resp: 101114
Ion Ratio Lower Upper
101 100
103 63.9 49.9 74.9

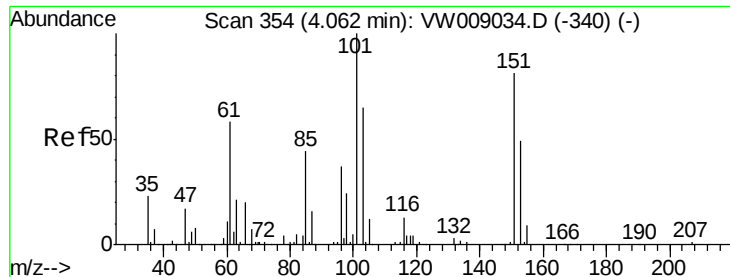


#8

Diethyl Ether
Concen: 23.133 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion: 74 Resp: 35336
Ion Ratio Lower Upper
74 100
45 96.3 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.394 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

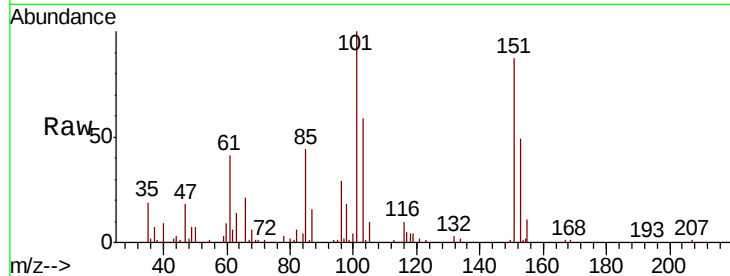
Tgt Ion:101 Resp: 60342

Ion Ratio Lower Upper

101 100

85 47.7 36.2 54.4

151 82.4 63.4 95.2

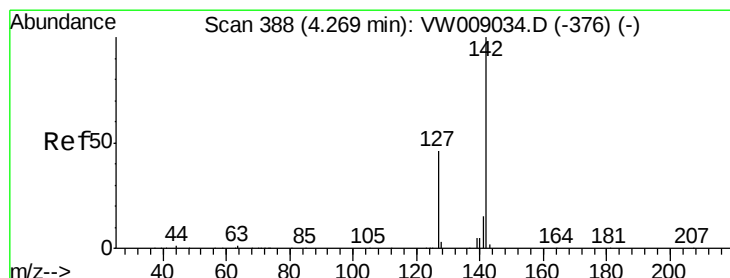
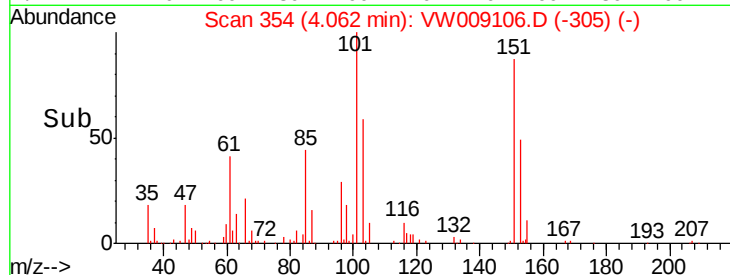
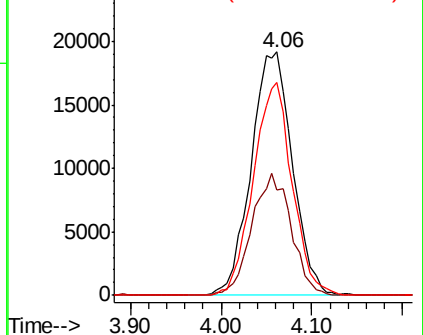


Abundance

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: 16.948 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

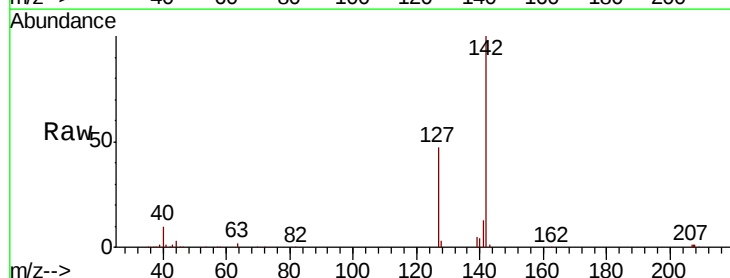
Tgt Ion:142 Resp: 49606

Ion Ratio Lower Upper

142 100

127 45.7 35.8 53.6

141 15.1 11.8 17.8

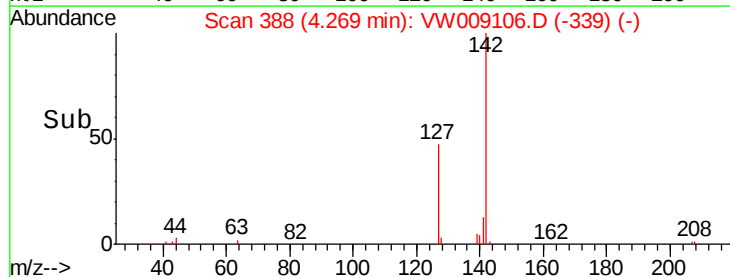
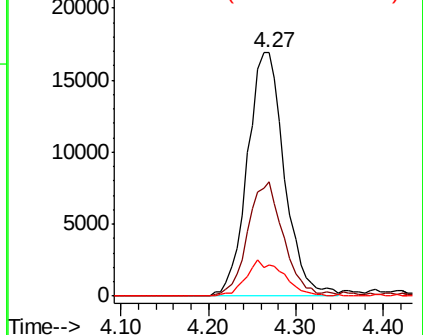


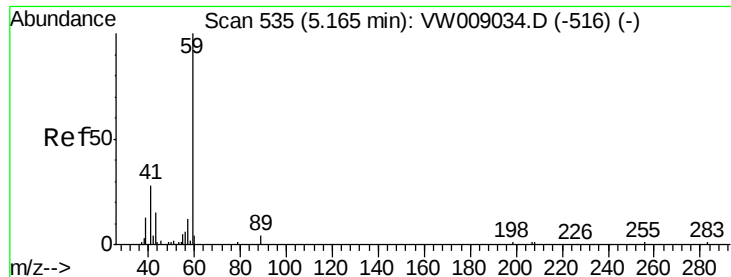
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

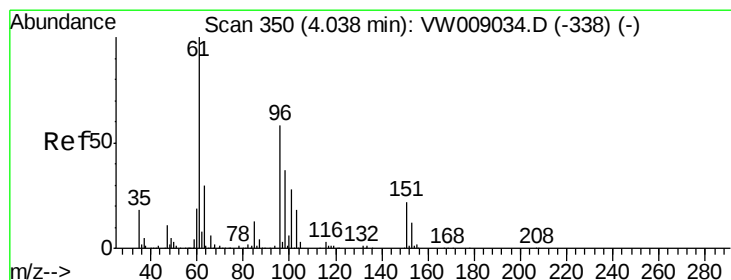
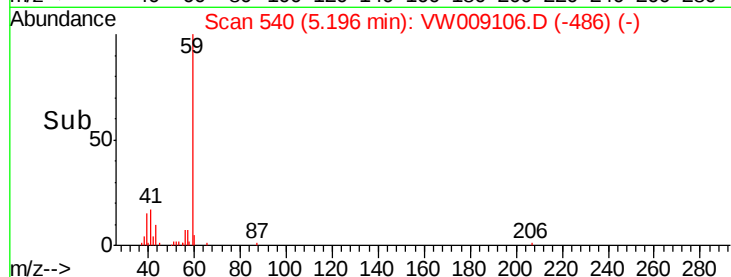
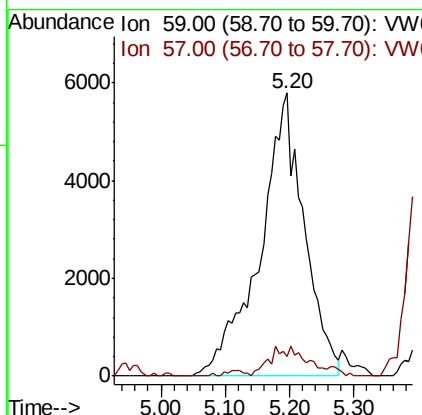
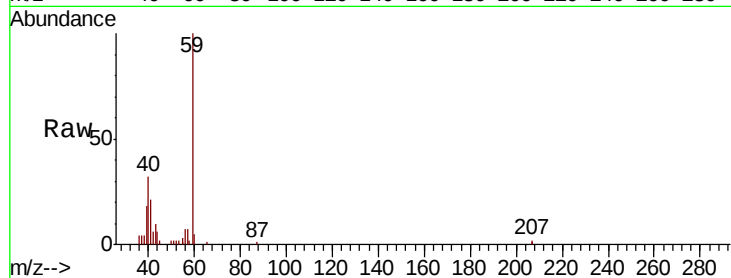




#11
Tert butyl alcohol
Concen: 120.746 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.03 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

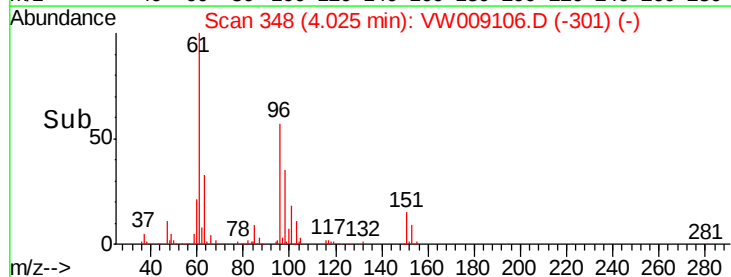
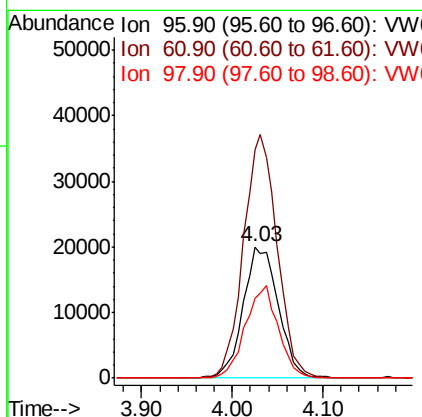
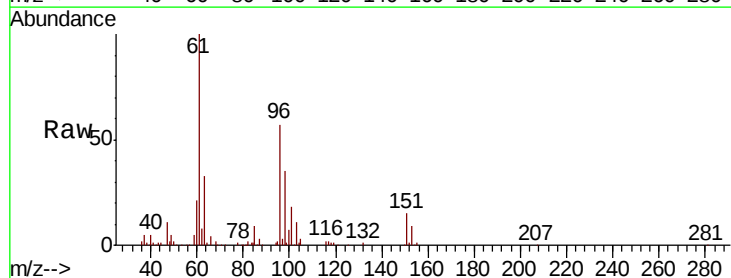
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

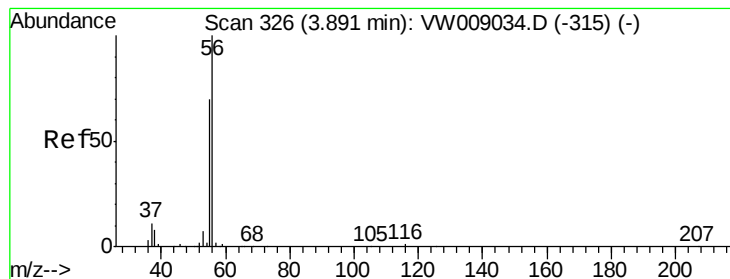
Tgt Ion: 59 Resp: 27800
Ion Ratio Lower Upper
59 100
57 4.1 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 19.987 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion: 96 Resp: 53642
Ion Ratio Lower Upper
96 100
61 173.9 138.2 207.2
98 60.5 51.3 76.9





#13

Acrolein

Concen: 89.373 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

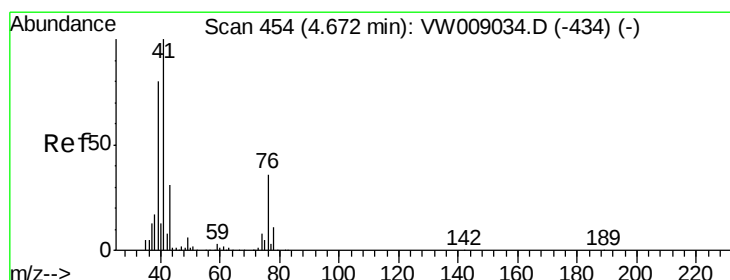
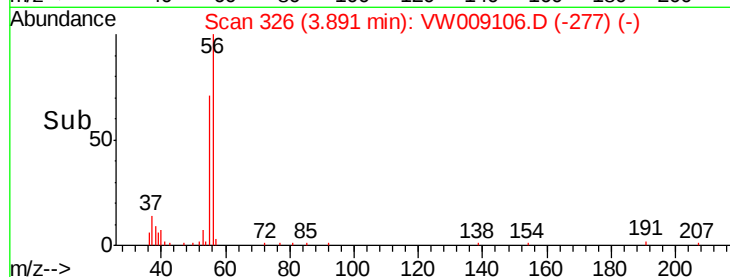
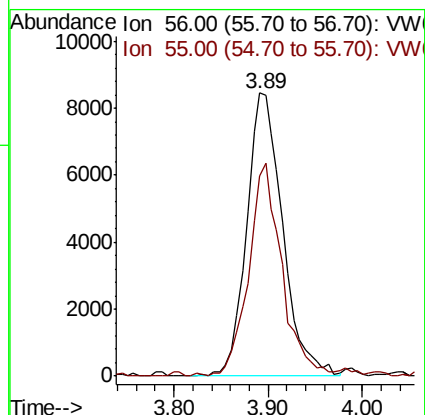
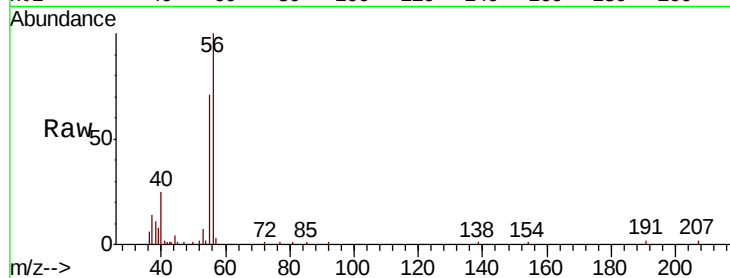
VW0311SBSD02

Tgt Ion: 56 Resp: 22643

Ion Ratio Lower Upper

56 100

55 69.1 56.6 84.8



#14

Allyl chloride

Concen: 20.733 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

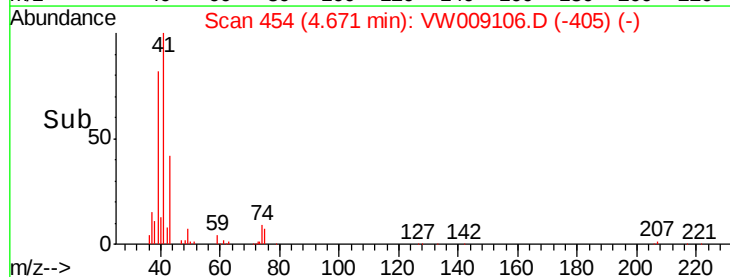
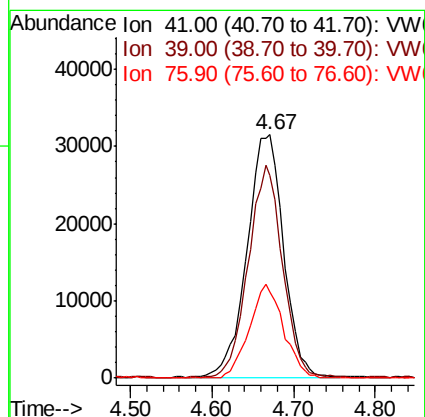
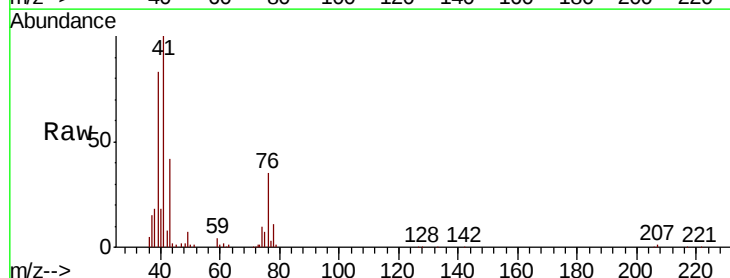
Tgt Ion: 41 Resp: 98152

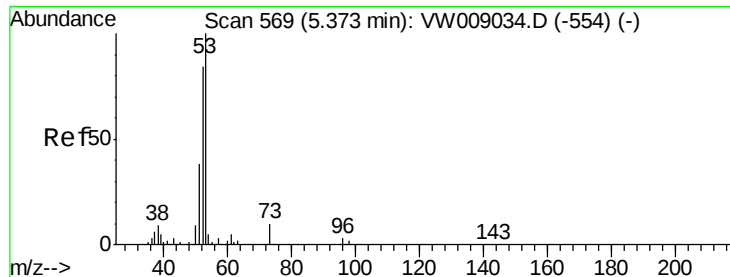
Ion Ratio Lower Upper

41 100

39 82.5 63.0 94.4

76 36.1 28.2 42.2





#15

Acrylonitrile

Concen: 106.458 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

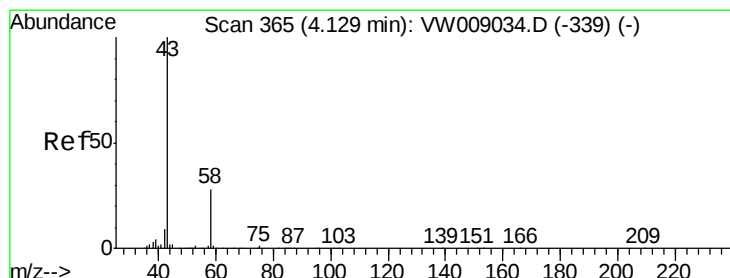
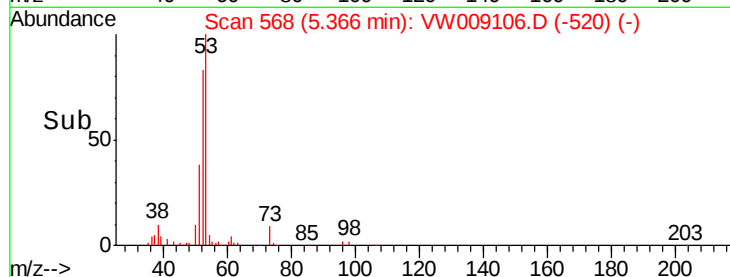
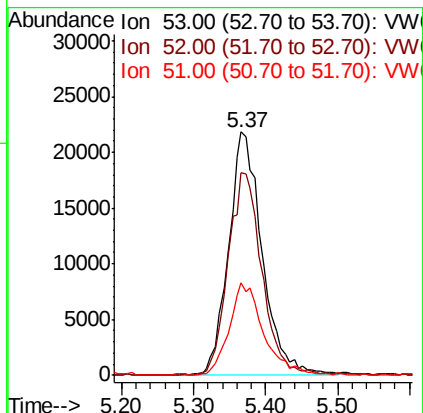
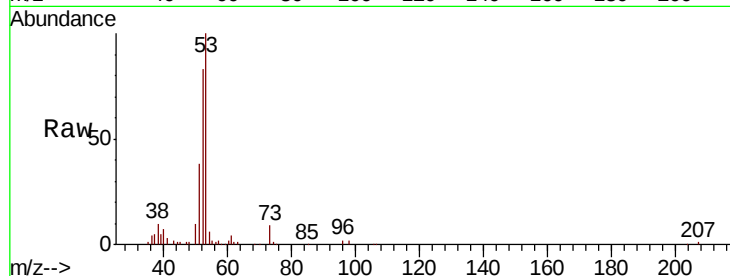
Tgt Ion: 53 Resp: 70974

Ion Ratio Lower Upper

53 100

52 82.4 67.2 100.8

51 38.8 31.8 47.6



#16

Acetone

Concen: 90.739 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW009106.D

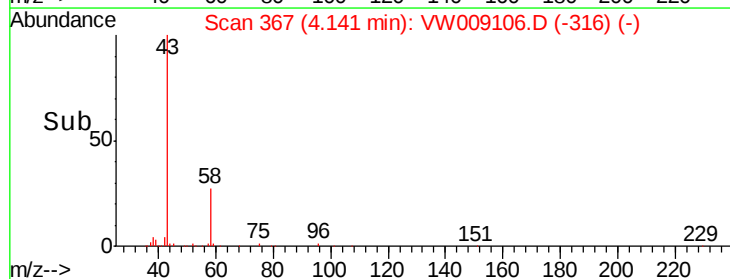
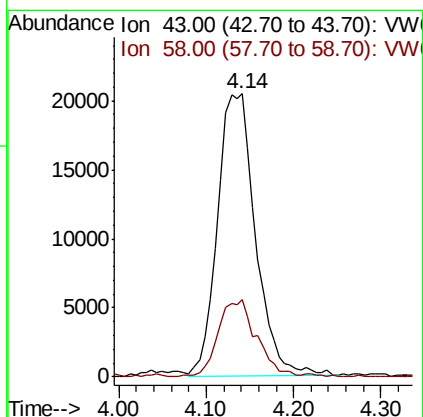
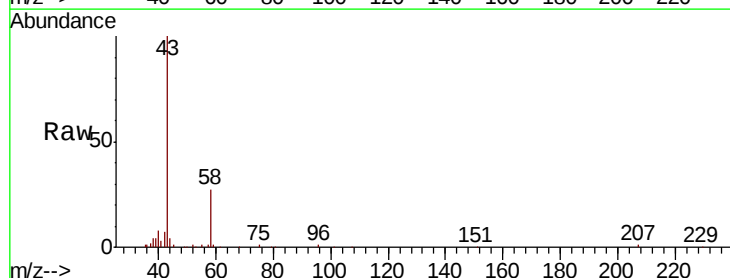
Acq: 12 Mar 2019 01:42

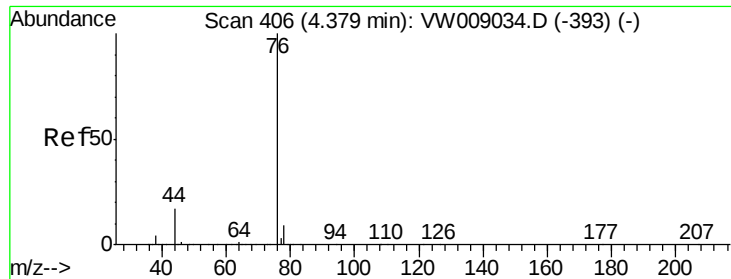
Tgt Ion: 43 Resp: 61520

Ion Ratio Lower Upper

43 100

58 27.0 22.5 33.7

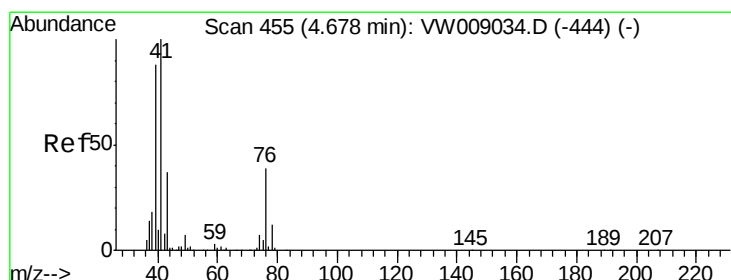
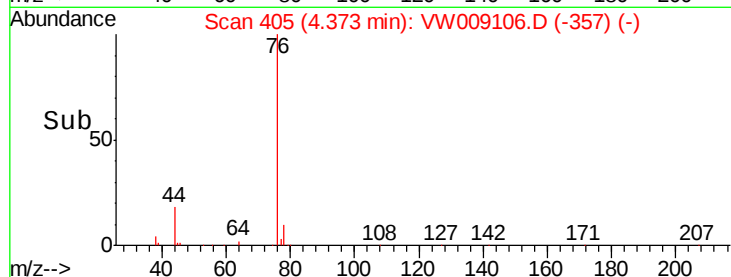
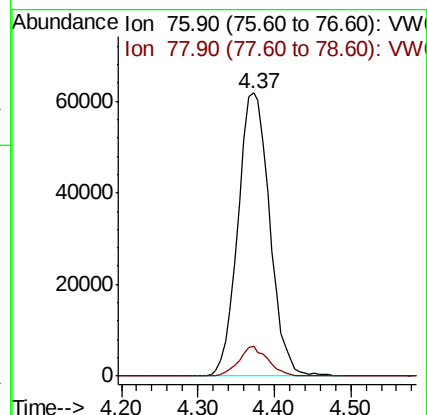
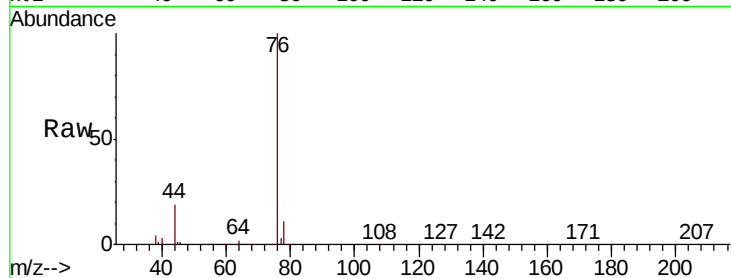




#17
Carbon Disulfide
Concen: 19.648 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

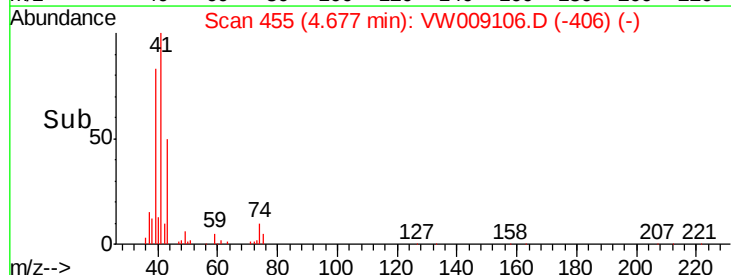
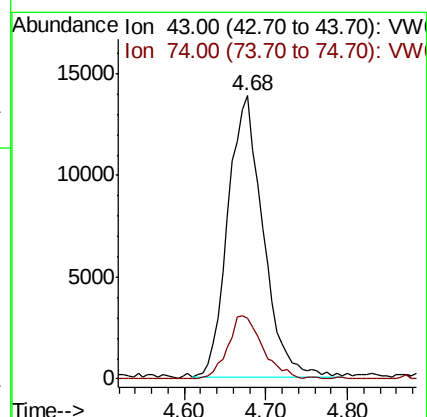
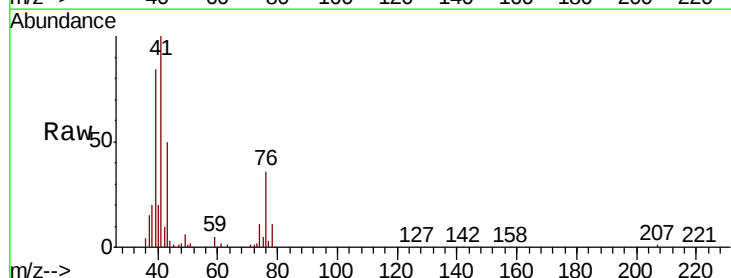
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

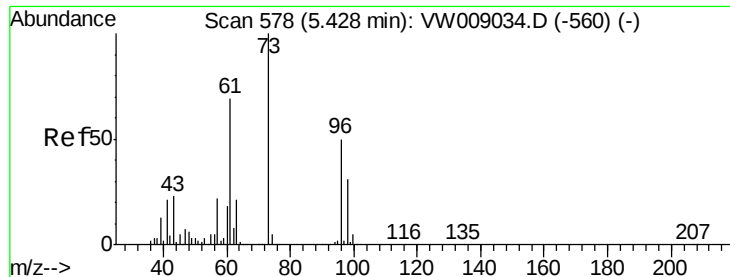
Tgt Ion: 76 Resp: 177425
Ion Ratio Lower Upper
76 100
78 10.8 7.0 10.6#



#18
Methyl Acetate
Concen: 26.641 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion: 43 Resp: 41534
Ion Ratio Lower Upper
43 100
74 21.8 17.6 26.4

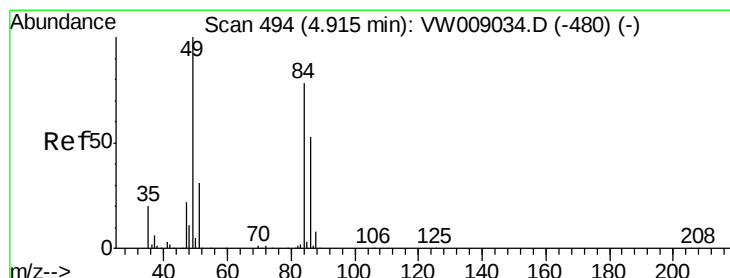
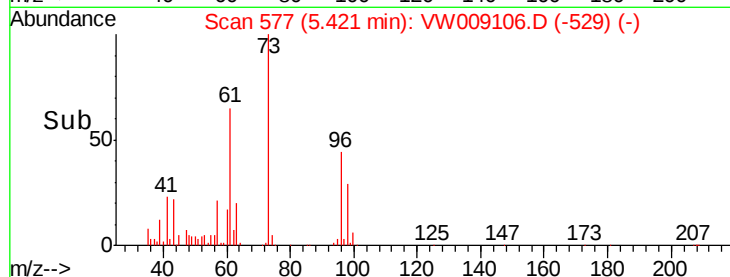
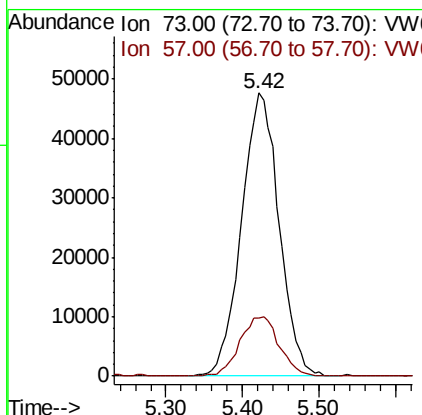
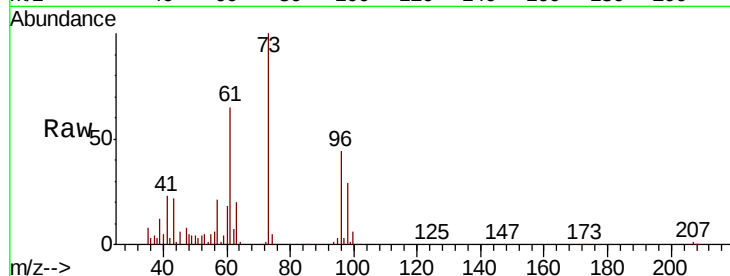




#19
Methyl tert-butyl Ether
Concen: 22.929 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

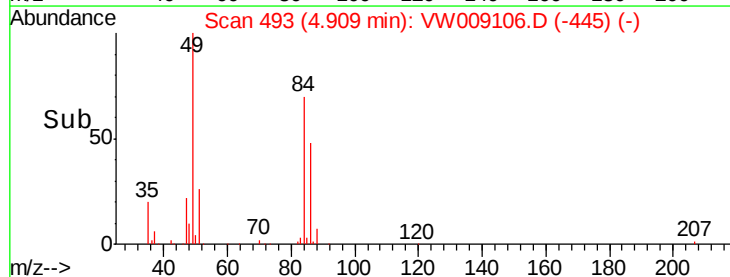
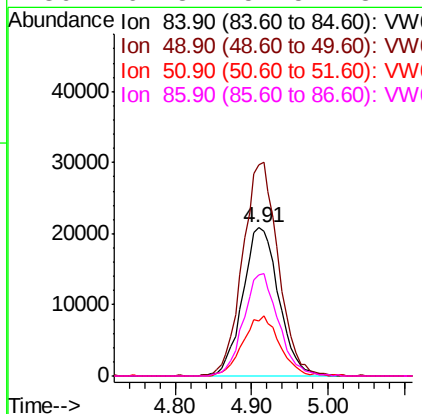
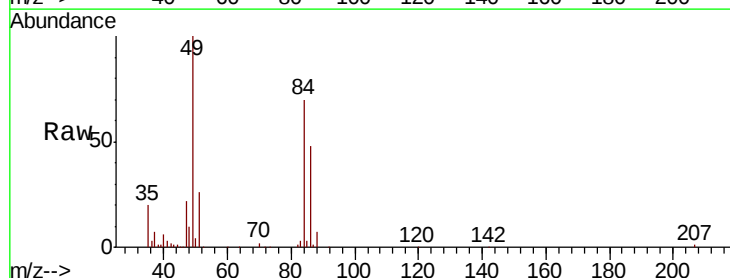
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

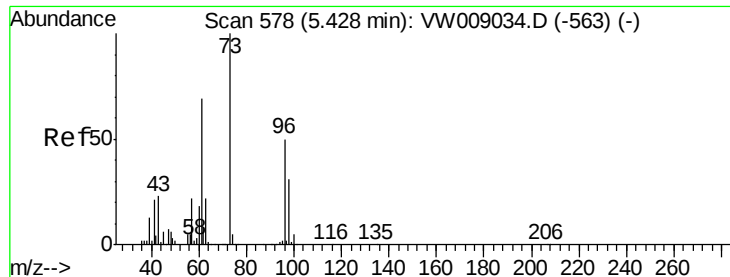
Tgt Ion: 73 Resp: 162792
Ion Ratio Lower Upper
73 100
57 20.7 17.3 25.9



#20
Methylene Chloride
Concen: 18.036 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion: 84 Resp: 68586
Ion Ratio Lower Upper
84 100
49 142.5 102.4 153.6
51 37.0 31.6 47.4
86 67.8 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 20.545 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

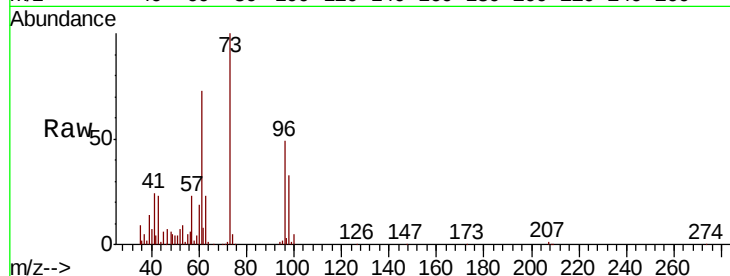
Tgt Ion: 96 Resp: 63669

Ion Ratio Lower Upper

96 100

61 149.6 111.0 166.6

98 67.6 49.4 74.0

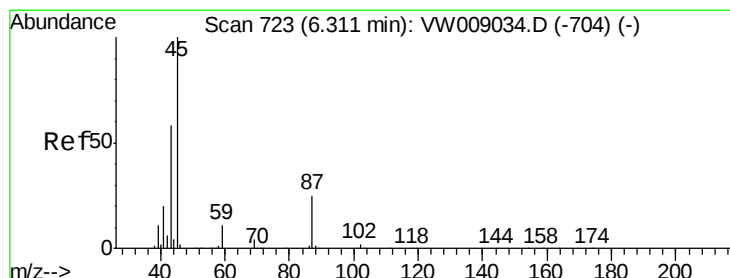
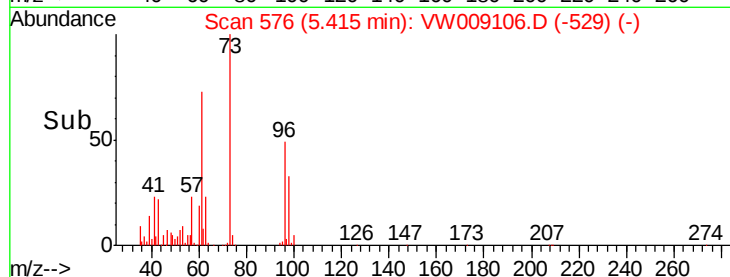
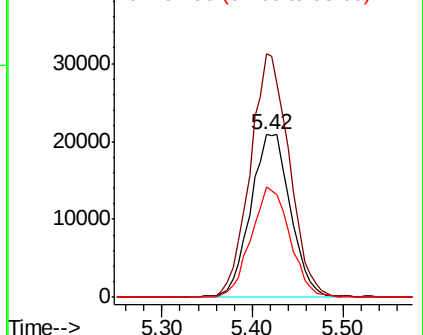


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 22.425 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Tgt Ion: 45 Resp: 210979

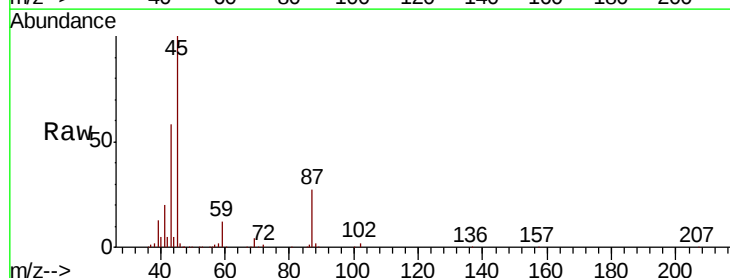
Ion Ratio Lower Upper

45 100

43 58.0 46.2 69.4

87 27.4 20.1 30.1

59 11.9 8.4 12.6



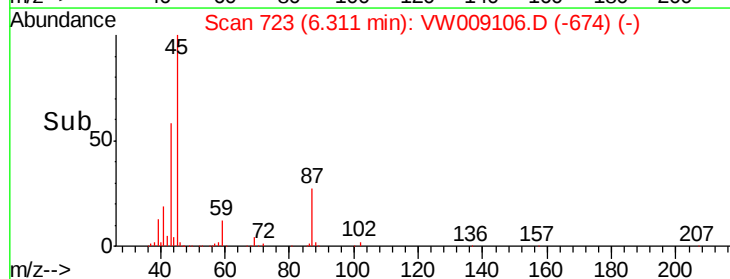
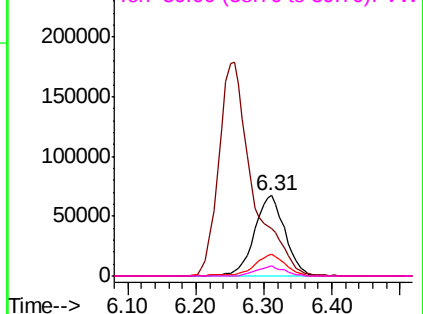
Abundance

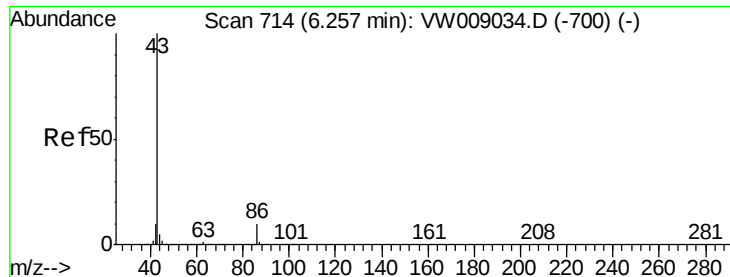
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 105.015 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

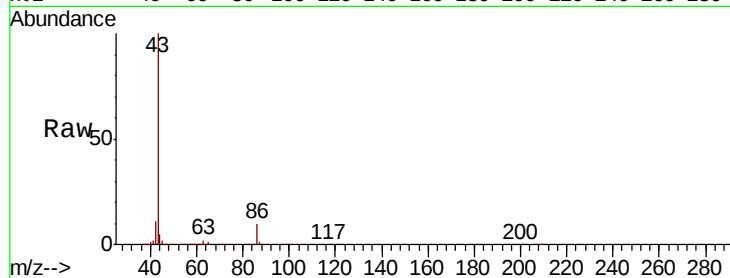
VW0311SBSD02

Tgt Ion: 43 Resp: 614822

Ion Ratio Lower Upper

43 100

86 9.8 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

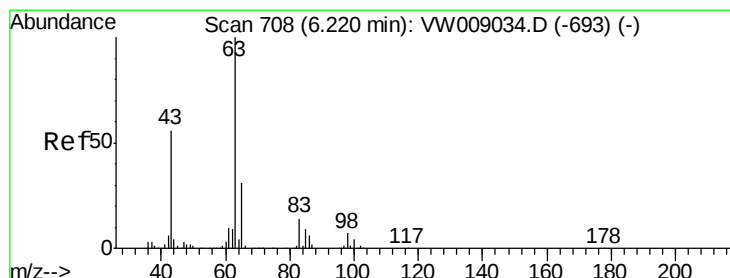
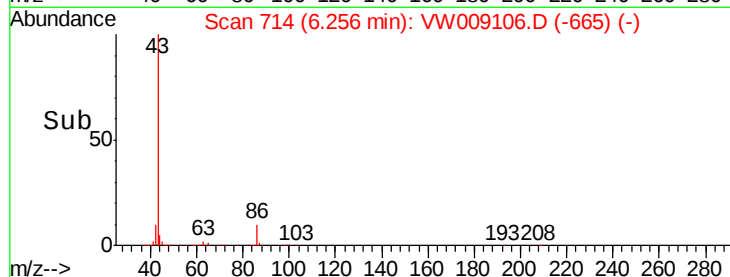
150000

100000

50000

0

Time--> 6.00 6.20 6.40



#24

1,1-Dichloroethane

Concen: 21.801 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

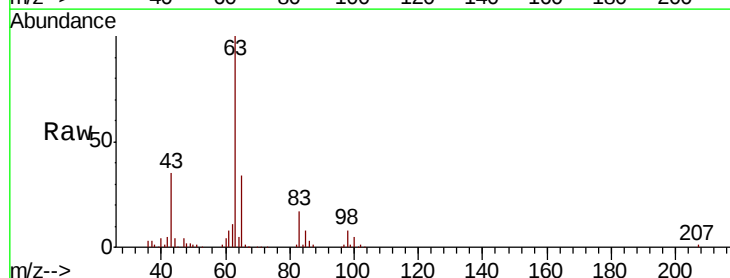
Tgt Ion: 63 Resp: 118967

Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.2

100 5.0 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

50000

40000

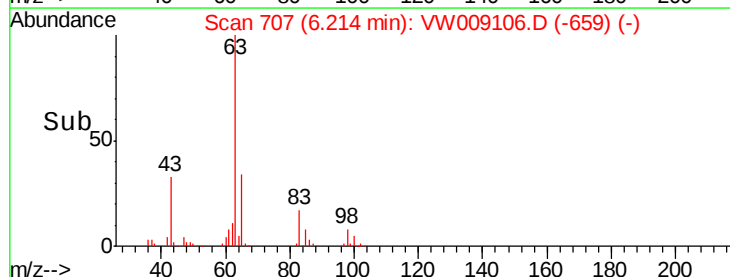
30000

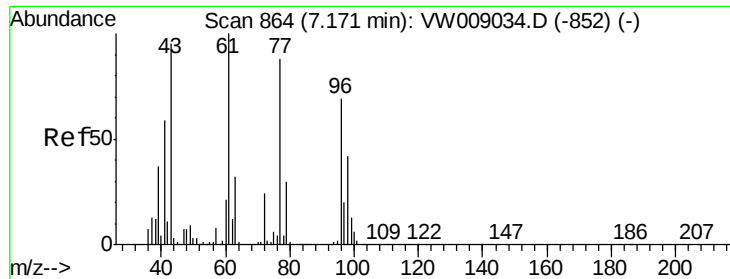
20000

10000

0

Time--> 6.10 6.20 6.30





#25

2-Butanone

Concen: 103.106 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

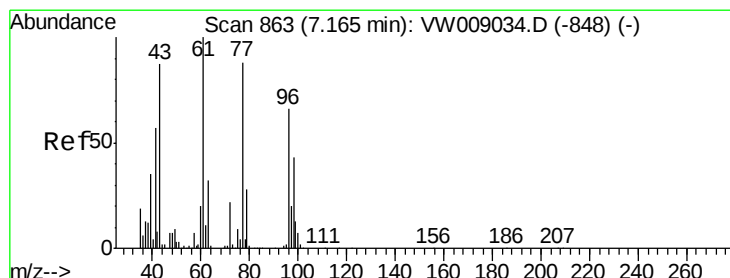
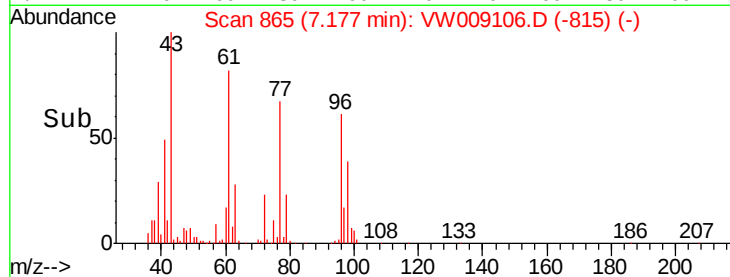
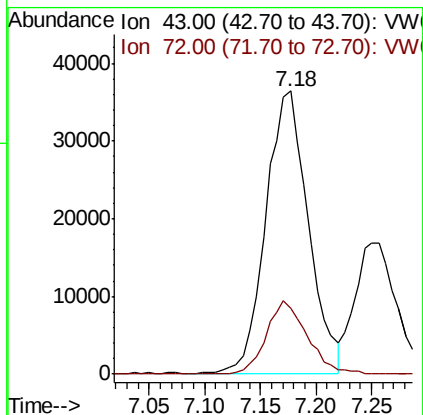
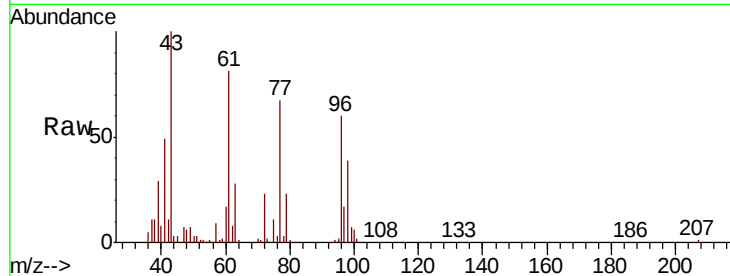
VW0311SBSD02

Tgt Ion: 43 Resp: 96610

Ion Ratio Lower Upper

43 100

72 22.8 20.0 30.0



#26

2,2-Dichloropropane

Concen: 18.625 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009106.D

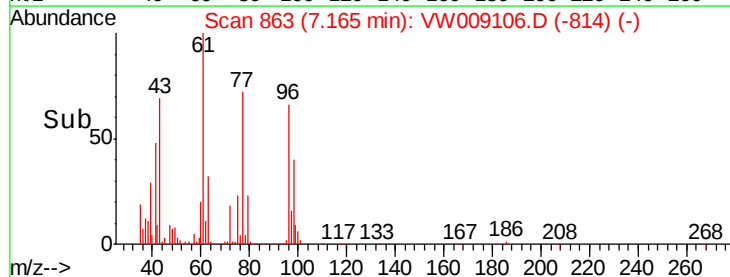
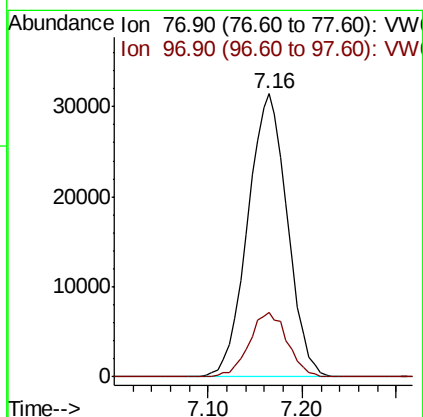
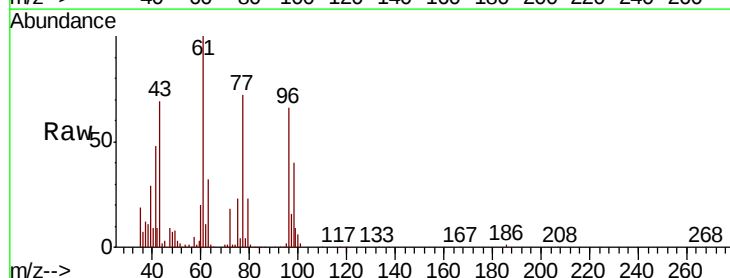
Acq: 12 Mar 2019 01:42

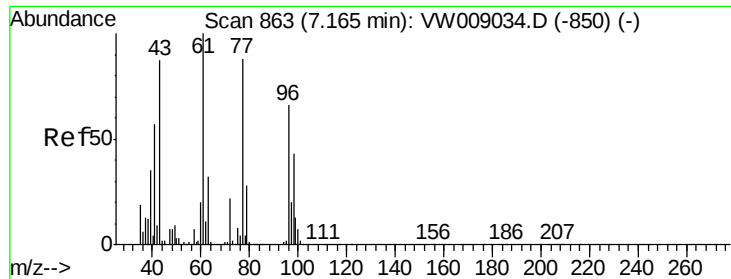
Tgt Ion: 77 Resp: 92383

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.9



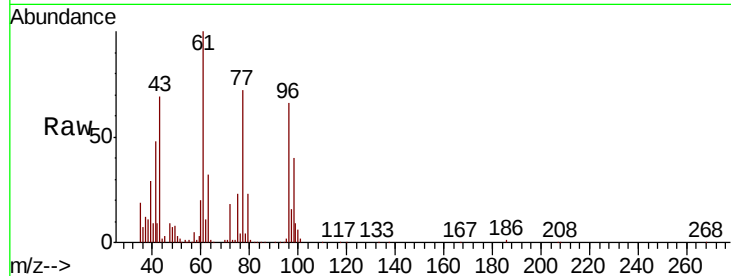


#27

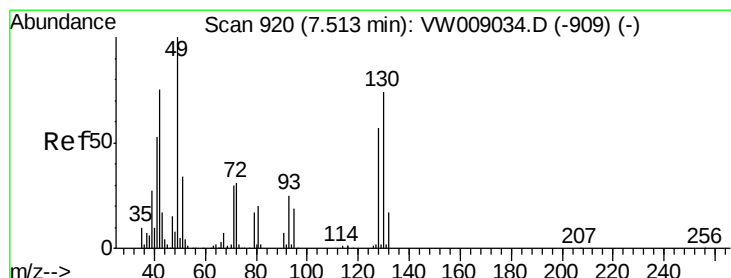
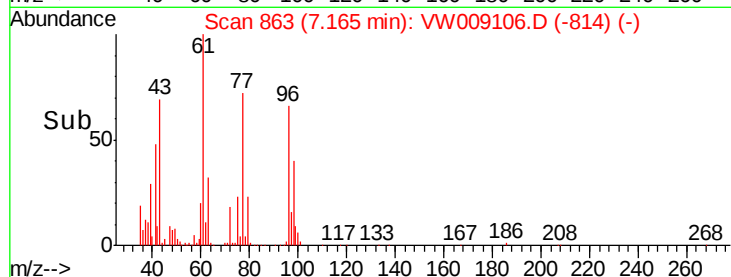
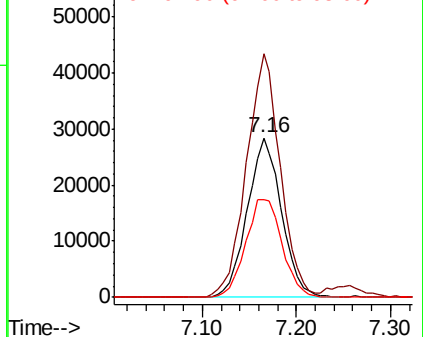
cis-1,2-Dichloroethene
Concen: 21.638 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tgt Ion: 96 Resp: 72017
Ion Ratio Lower Upper
96 100
61 150.8 0.0 299.8
98 65.4 0.0 127.2



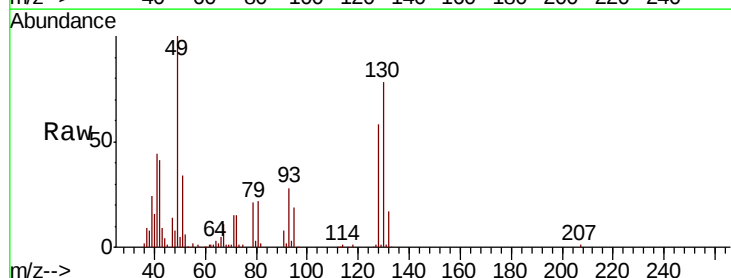
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



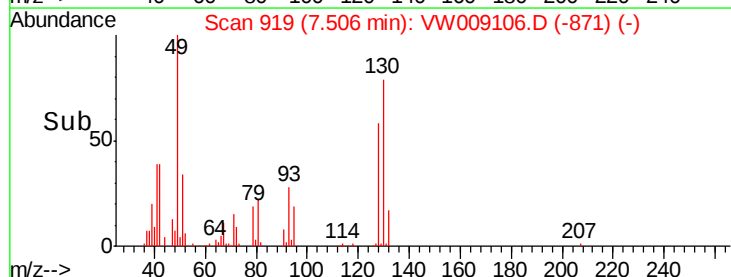
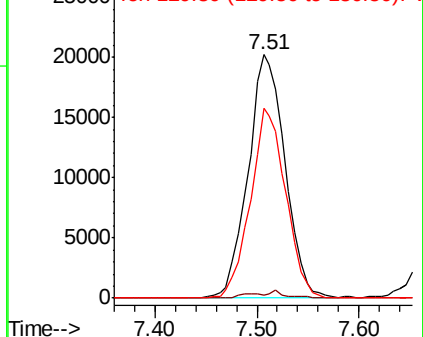
#28

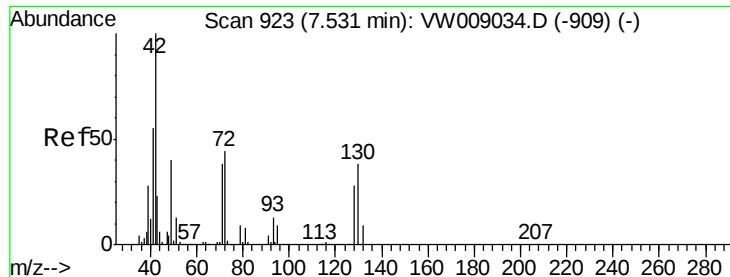
Bromochloromethane
Concen: 22.437 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion: 49 Resp: 50927
Ion Ratio Lower Upper
49 100
129 1.1 0.0 4.6
130 74.4 60.4 90.6



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

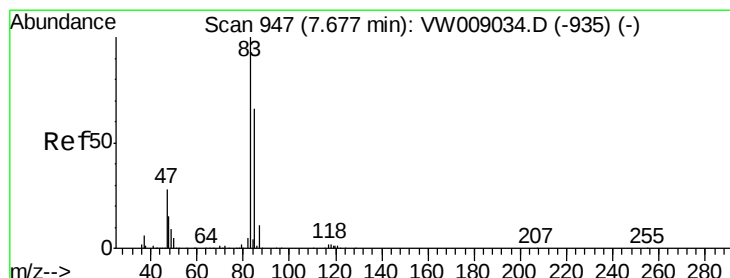
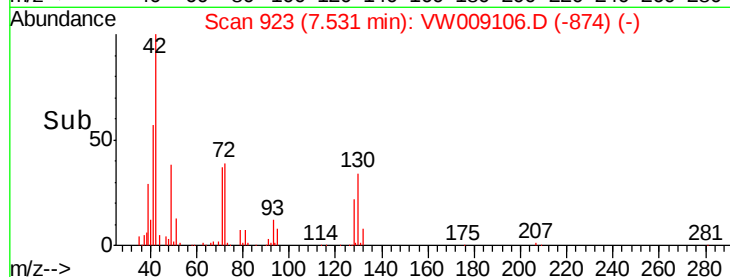
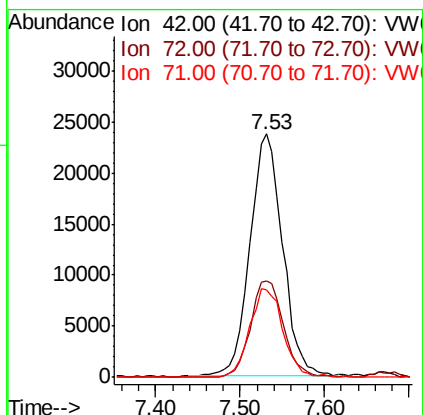
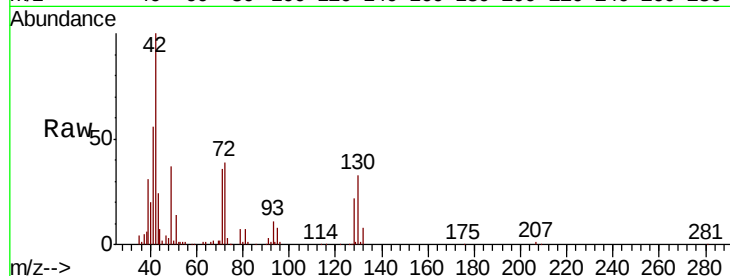




#29
Tetrahydrofuran
Concen: 105.997 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

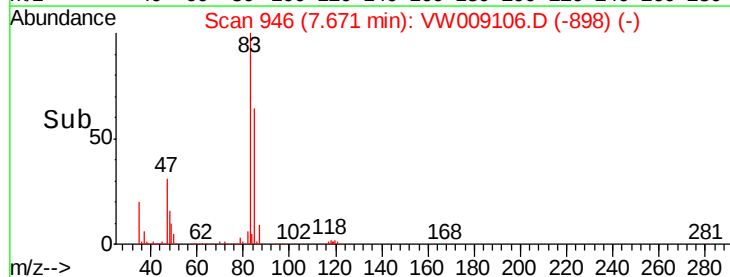
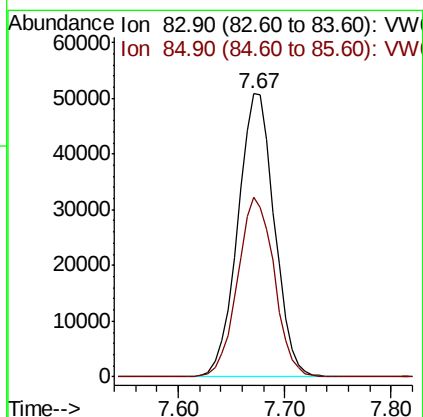
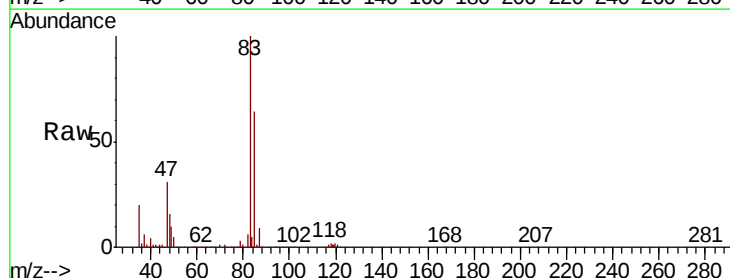
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

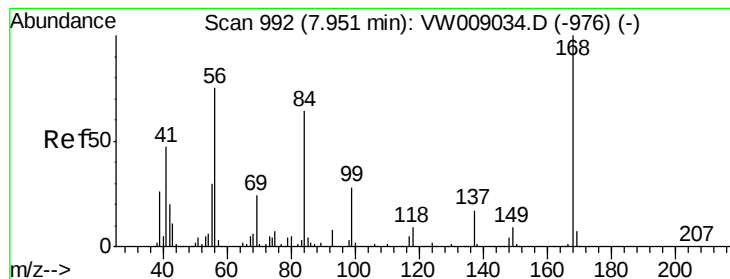
Tgt Ion: 42 Resp: 62588
Ion Ratio Lower Upper
42 100
72 40.6 32.2 48.4
71 37.1 30.7 46.1



#30
Chloroform
Concen: 21.866 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion: 83 Resp: 122847
Ion Ratio Lower Upper
83 100
85 63.6 53.0 79.6





#31

Cyclohexane

Concen: 20.208 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

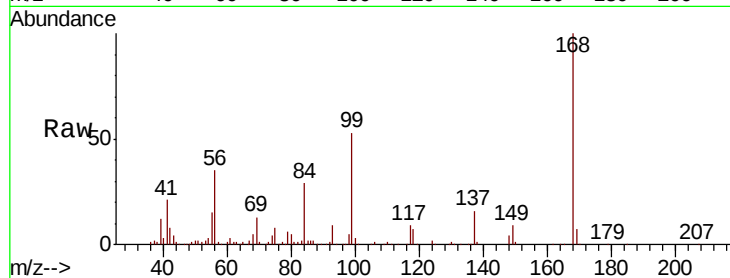
Tgt Ion: 56 Resp: 113230

Ion Ratio Lower Upper

56 100

69 37.5 25.5 38.3

84 82.6 68.6 103.0

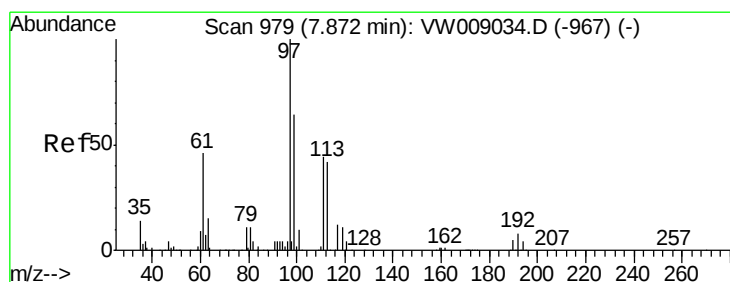
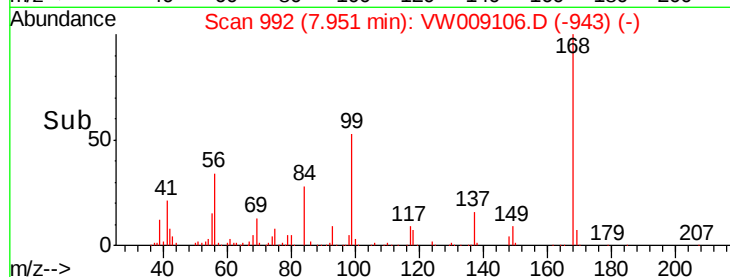
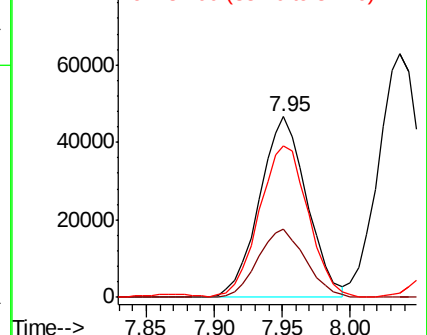


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 21.218 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

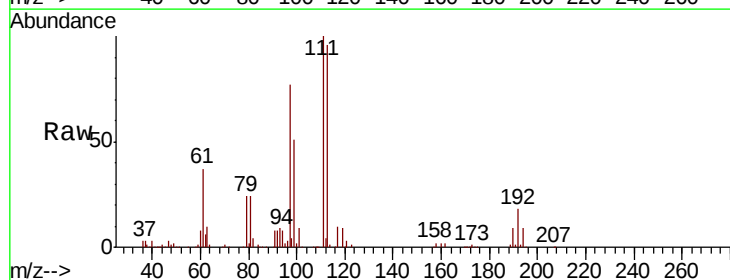
Tgt Ion: 97 Resp: 110012

Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.8

61 47.1 37.3 55.9

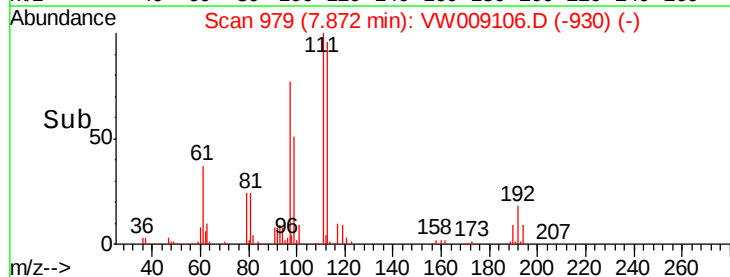
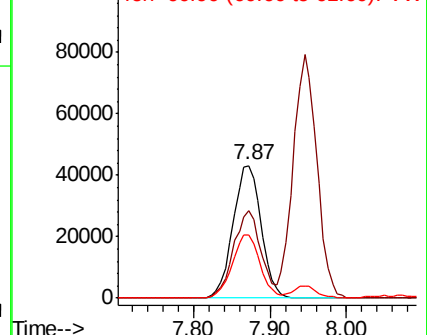


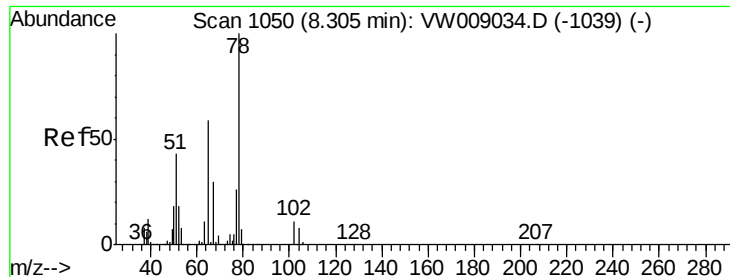
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 59.747 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

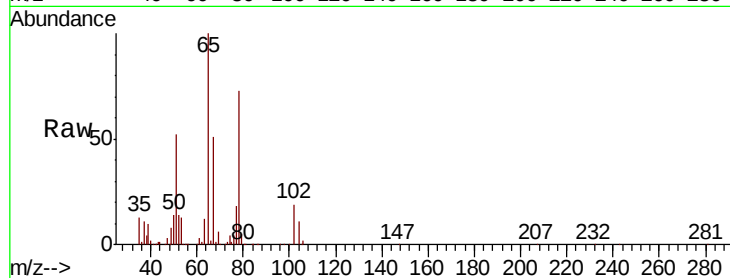
VW0311SBSD02

Tgt Ion: 65 Resp: 179509

Ion Ratio Lower Upper

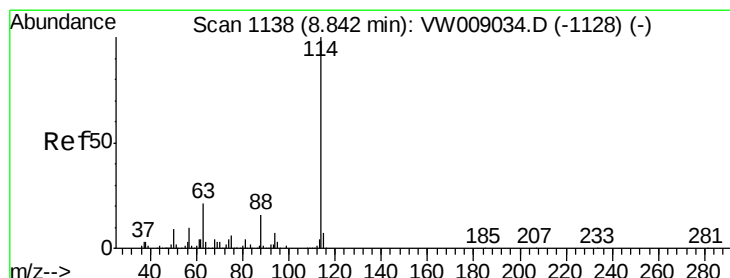
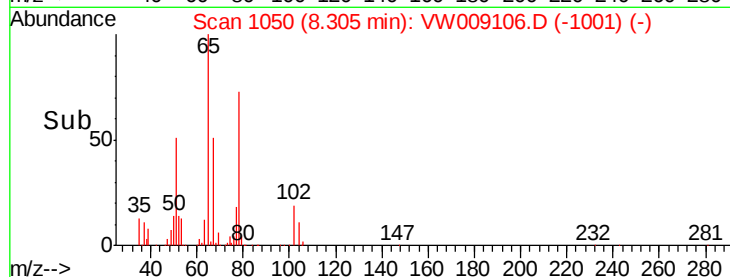
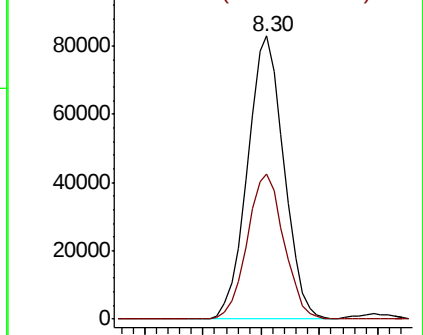
65 100

67 51.8 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

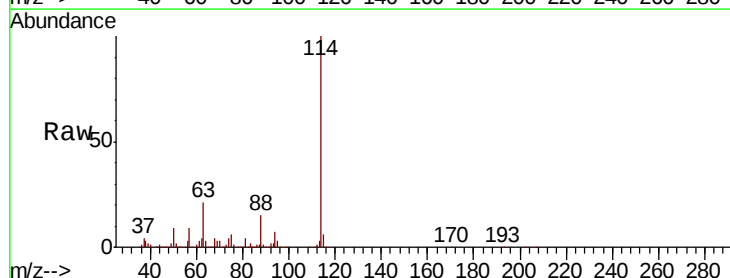
Tgt Ion: 114 Resp: 468663

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.2

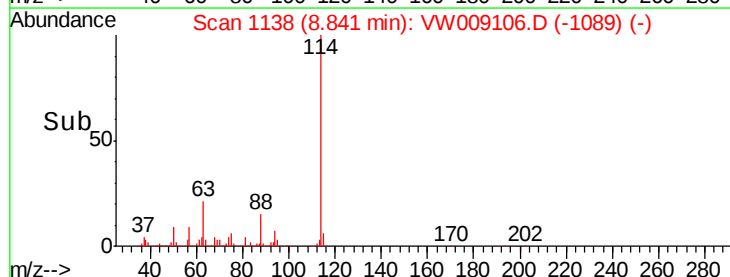
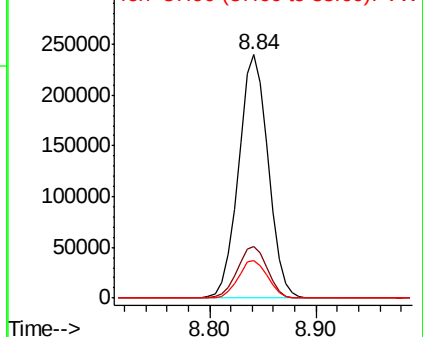
88 15.3 0.0 31.2

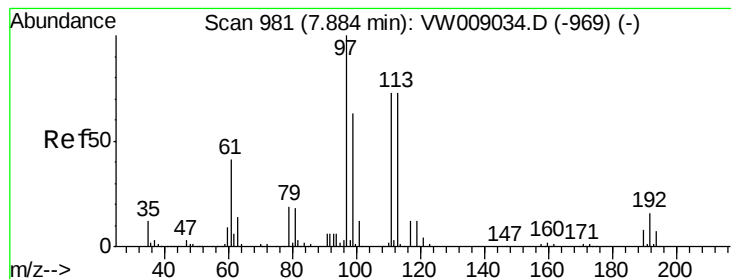


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 54.189 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

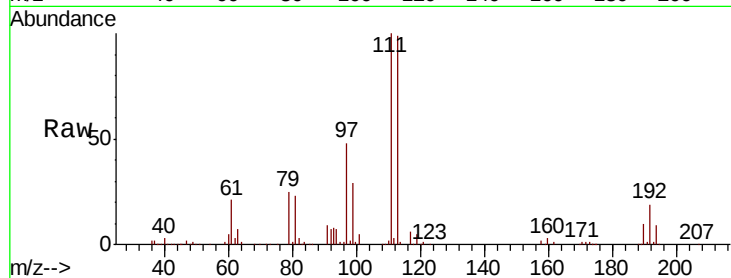
Tgt Ion: 113 Resp: 152910

Ion Ratio Lower Upper

113 100

111 103.2 81.0 121.4

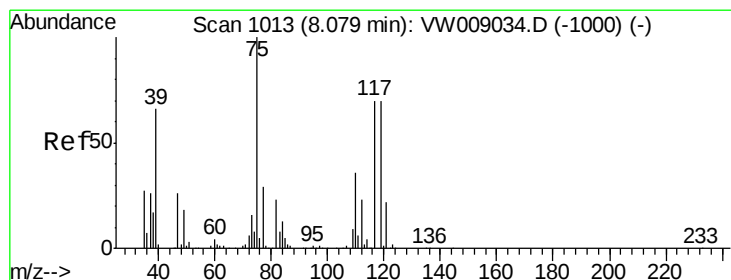
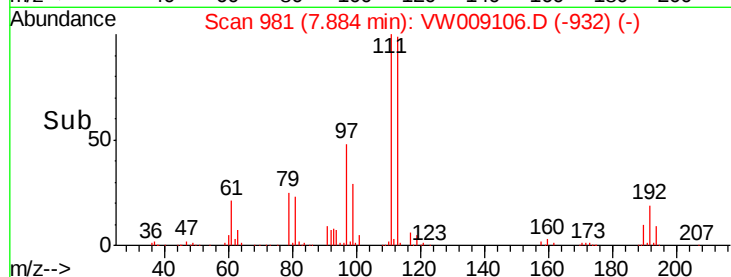
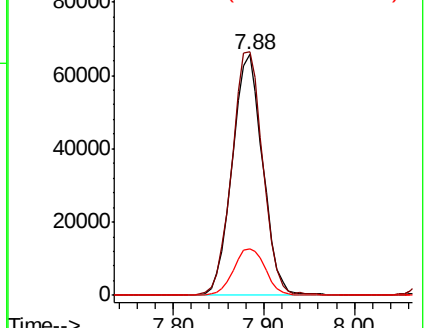
192 20.4 17.1 25.7



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: 19.838 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

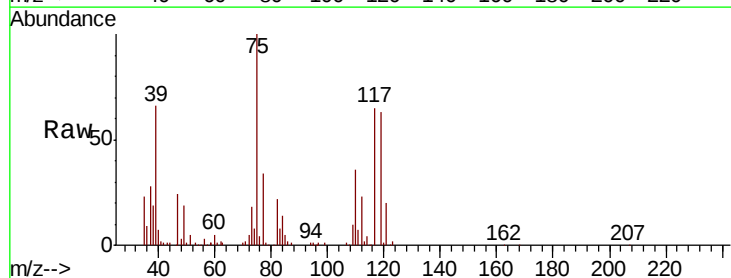
Tgt Ion: 75 Resp: 97213

Ion Ratio Lower Upper

75 100

110 34.3 17.6 52.9

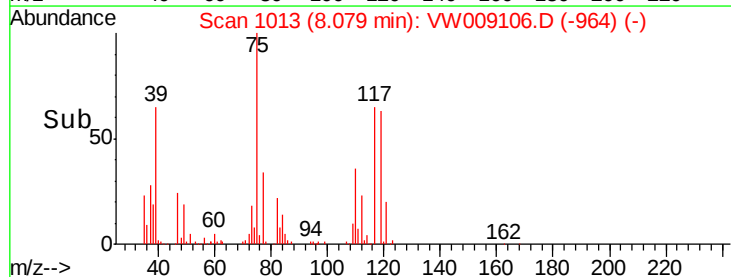
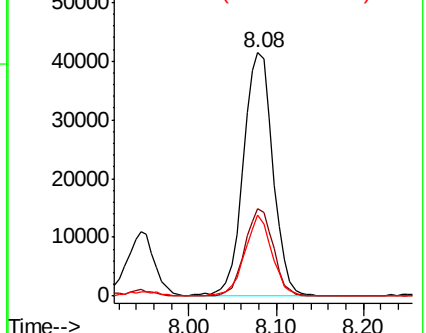
77 30.7 25.1 37.7

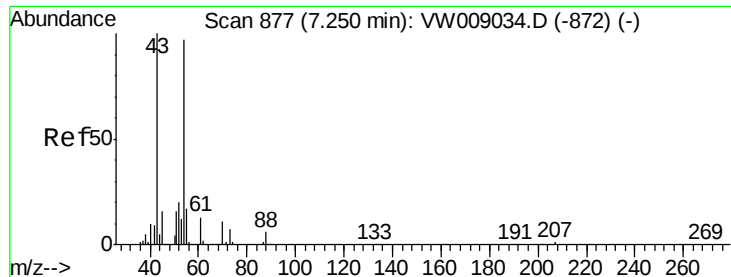


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

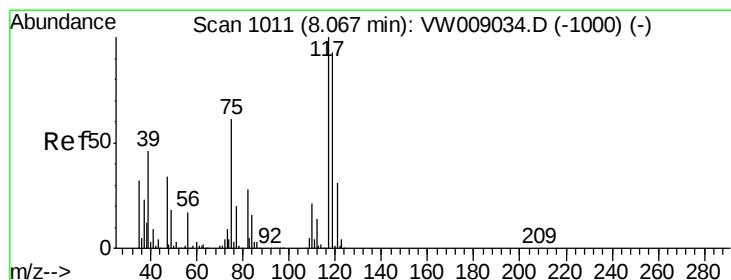
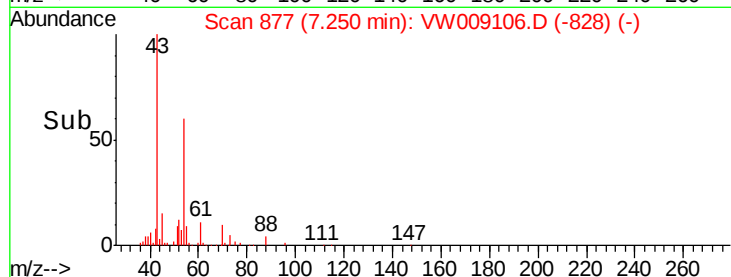
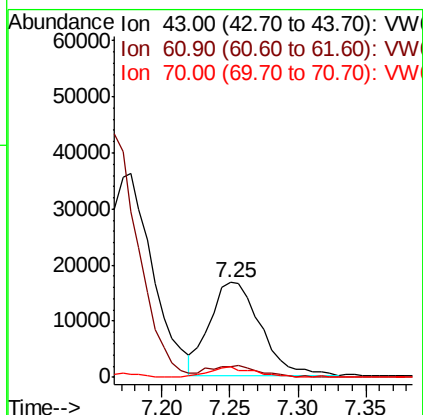
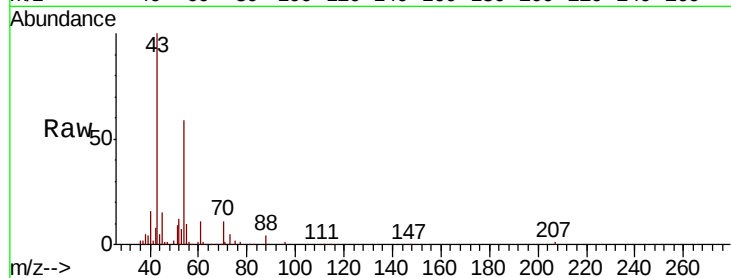




#37
Ethyl Acetate
Concen: 18.796 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

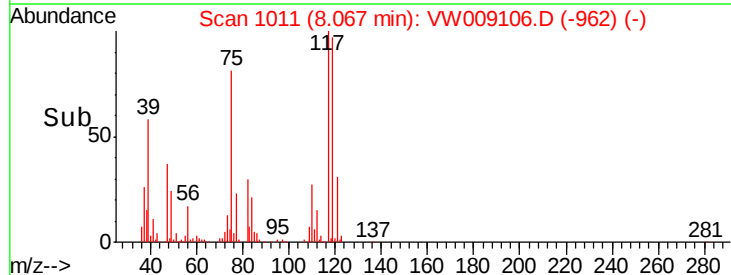
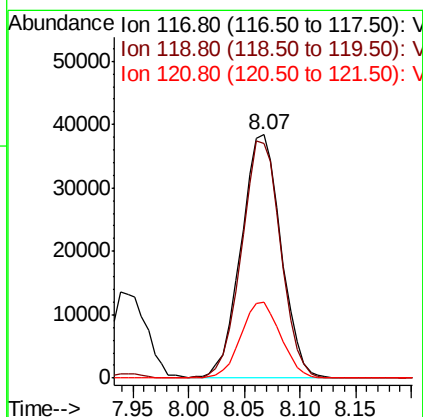
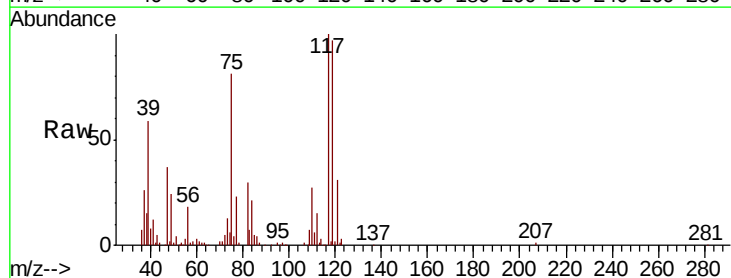
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

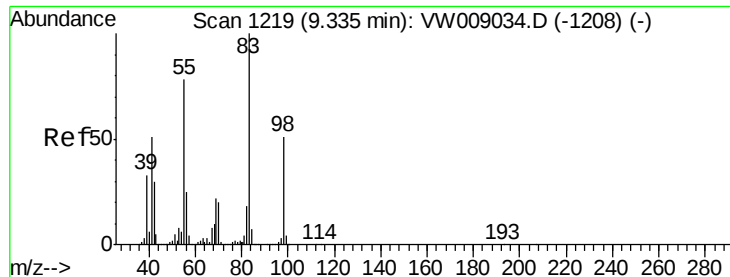
Tgt Ion: 43 Resp: 43265
Ion Ratio Lower Upper
43 100
61 12.7 9.8 14.6
70 9.2 7.2 10.8



#38
Carbon Tetrachloride
Concen: 18.921 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion: 117 Resp: 95758
Ion Ratio Lower Upper
117 100
119 96.5 74.6 112.0
121 31.0 24.7 37.1

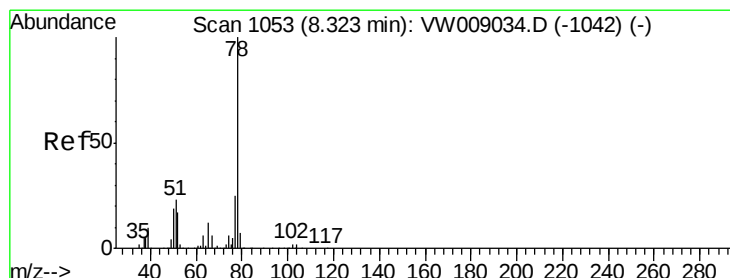
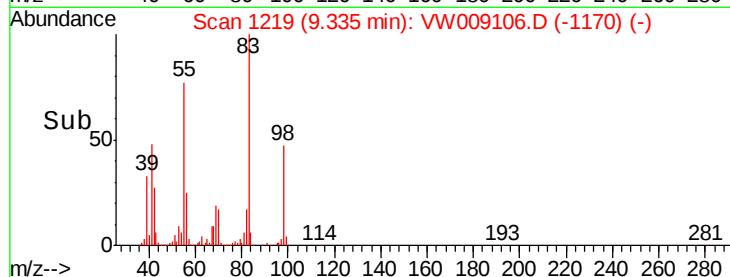
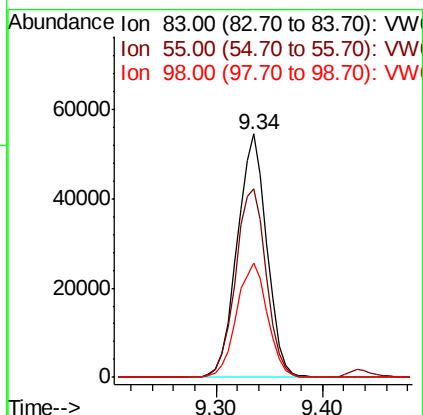
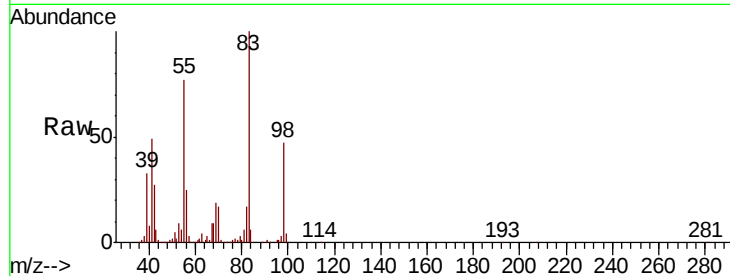




#39
Methylcyclohexane
Concen: 18.248 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

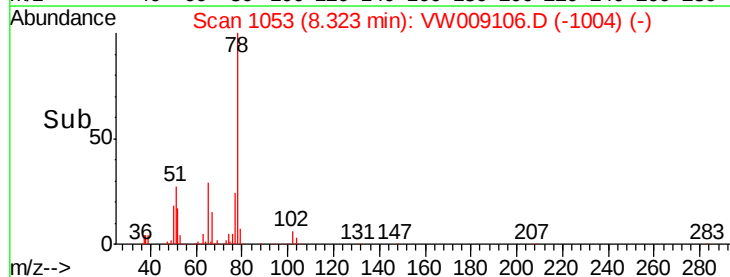
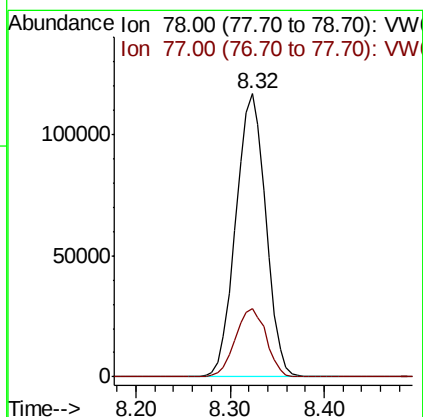
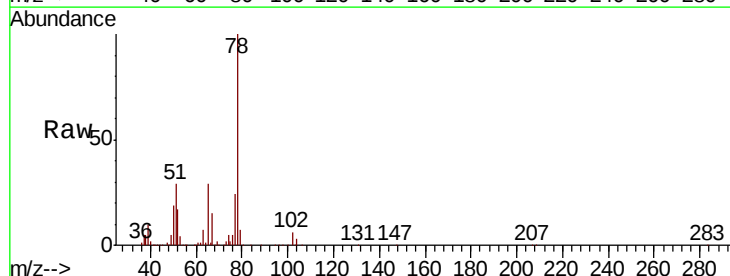
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

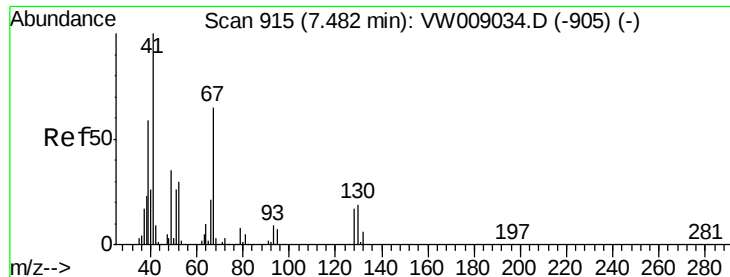
Tgt Ion: 83 Resp: 106507
Ion Ratio Lower Upper
83 100
55 77.3 62.7 94.1
98 47.1 40.8 61.2



#40
Benzene
Concen: 19.827 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion: 78 Resp: 259367
Ion Ratio Lower Upper
78 100
77 24.3 20.2 30.4





#41

Methacrylonitrile

Concen: 19.303 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

Tgt Ion: 41 Resp: 24673

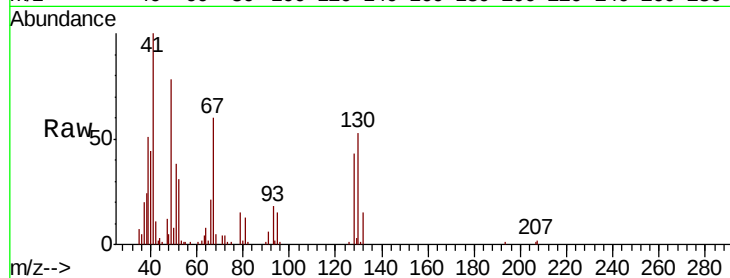
Ion Ratio Lower Upper

41 100

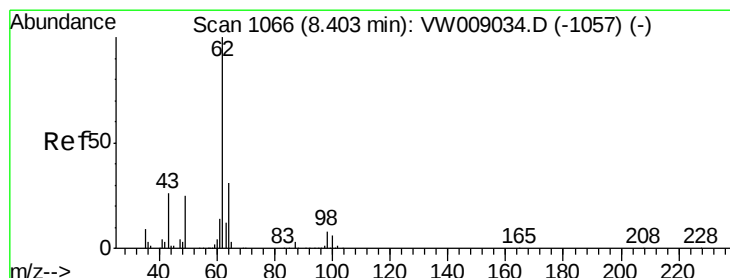
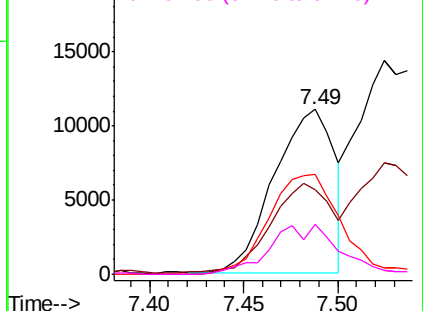
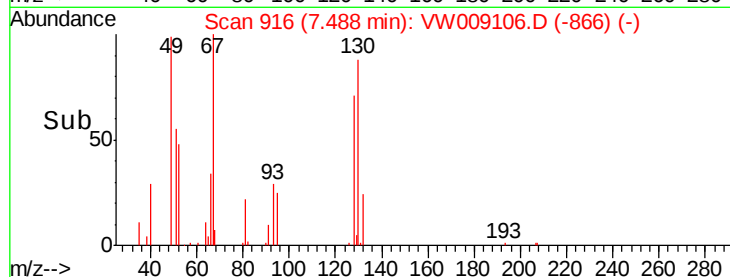
39 55.6 53.6 80.4

67 72.9 57.6 86.4

52 35.0 26.0 39.0



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



#42

1,2-Dichloroethane

Concen: 20.212 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW009106.D

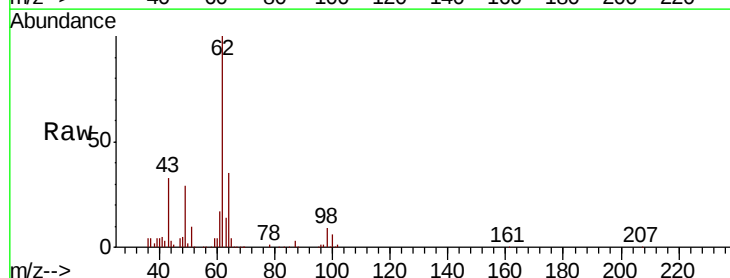
Acq: 12 Mar 2019 01:42

Tgt Ion: 62 Resp: 85359

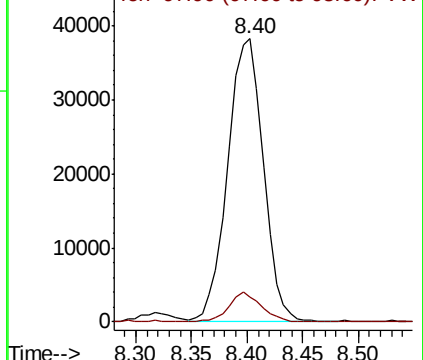
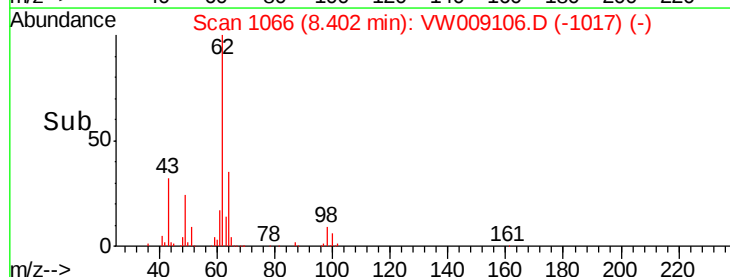
Ion Ratio Lower Upper

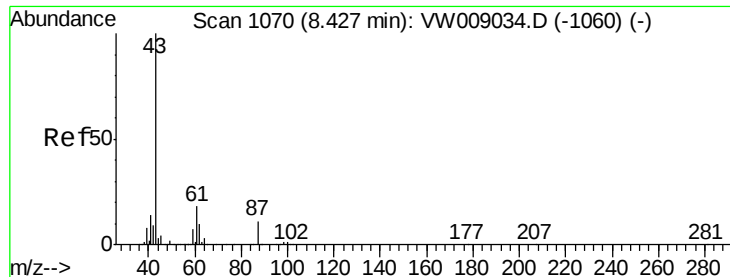
62 100

98 9.6 0.0 17.6



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





#43

Isopropyl Acetate

Concen: 20.189 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

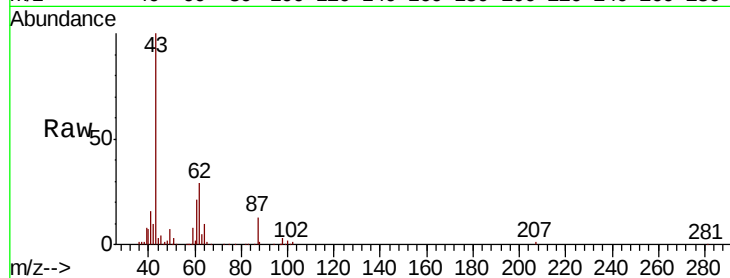
Tgt Ion: 43 Resp: 86549

Ion Ratio Lower Upper

43 100

61 29.0 22.8 34.2

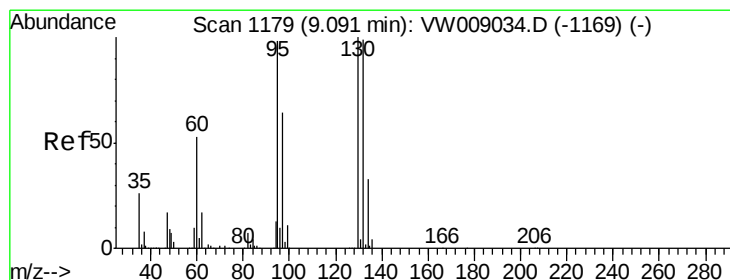
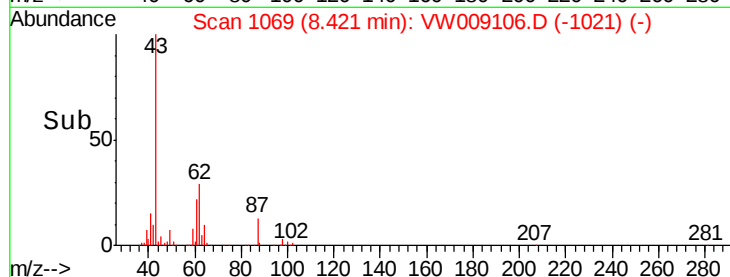
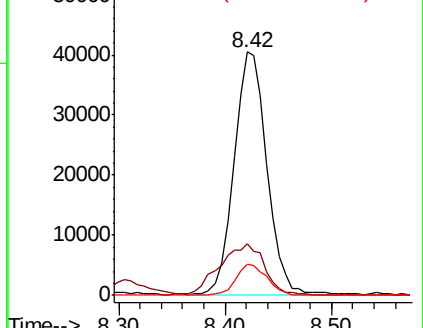
87 12.2 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.376 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW009106.D

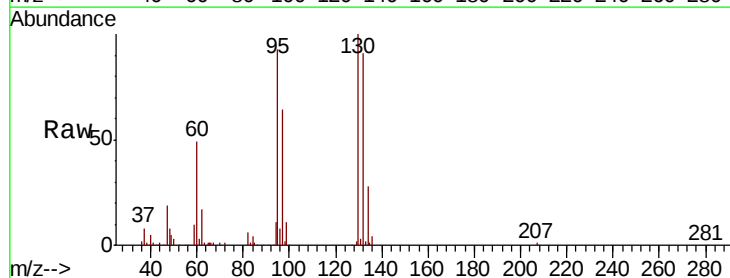
Acq: 12 Mar 2019 01:42

Tgt Ion: 130 Resp: 71039

Ion Ratio Lower Upper

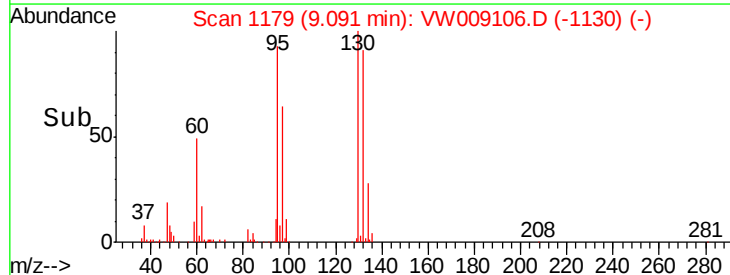
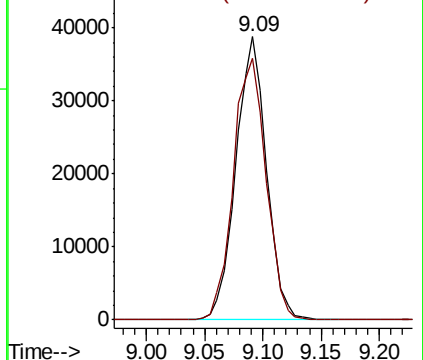
130 100

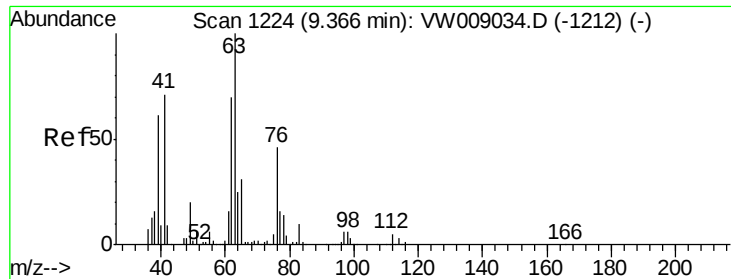
95 92.5 0.0 197.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.736 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

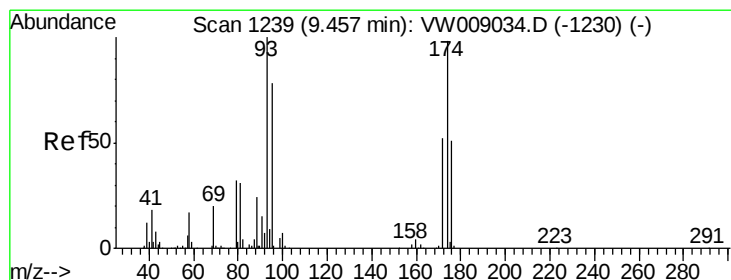
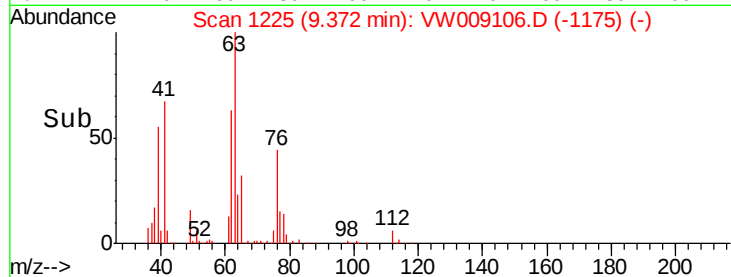
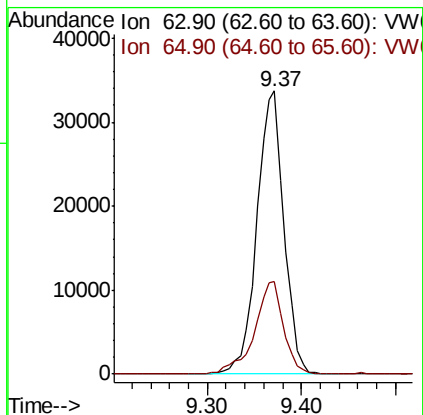
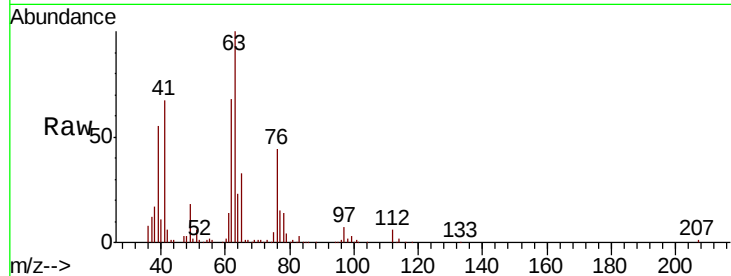
VW0311SBS02

Tgt Ion: 63 Resp: 67938

Ion Ratio Lower Upper

63 100

65 32.9 24.9 37.3



#46

Dibromomethane

Concen: 20.688 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

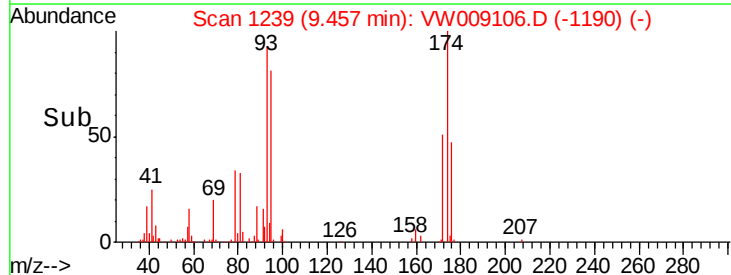
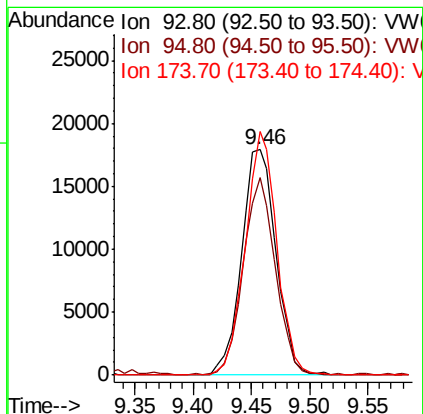
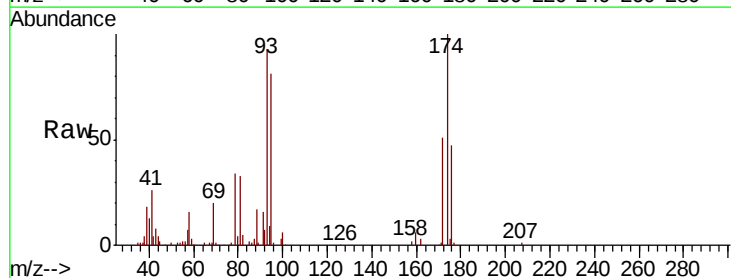
Tgt Ion: 93 Resp: 37018

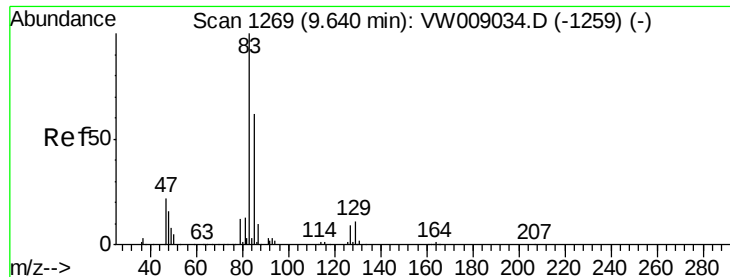
Ion Ratio Lower Upper

93 100

95 82.0 65.0 97.6

174 99.0 81.8 122.6





#47

Bromodichloromethane

Concen: 20.804 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

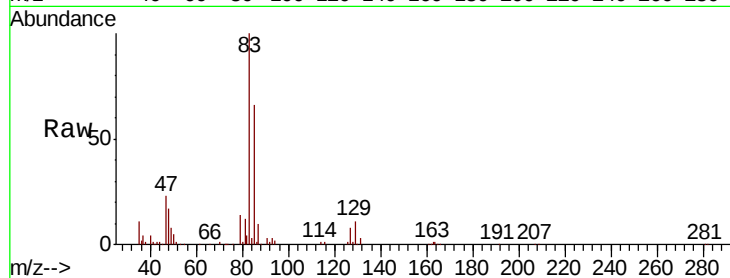
Tgt Ion: 83 Resp: 94232

Ion Ratio Lower Upper

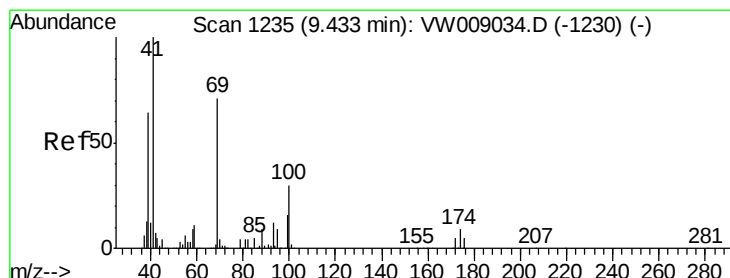
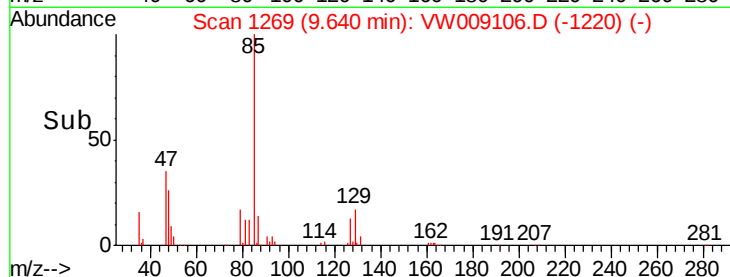
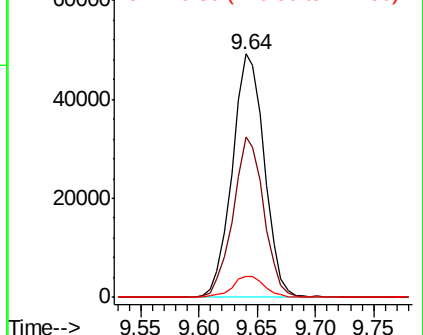
83 100

85 66.1 49.9 74.9

127 8.4 7.1 10.7



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): V



#48

Methyl methacrylate

Concen: 19.410 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

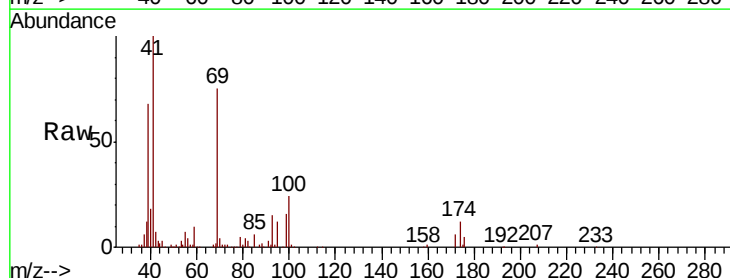
Tgt Ion: 41 Resp: 38745

Ion Ratio Lower Upper

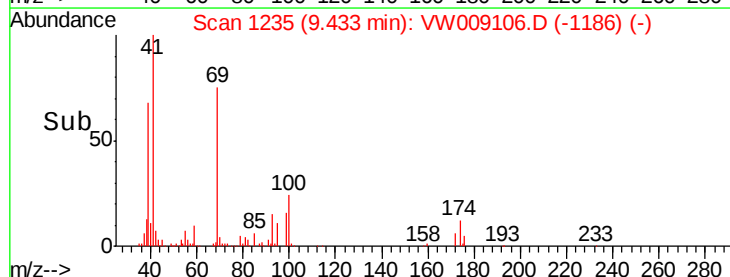
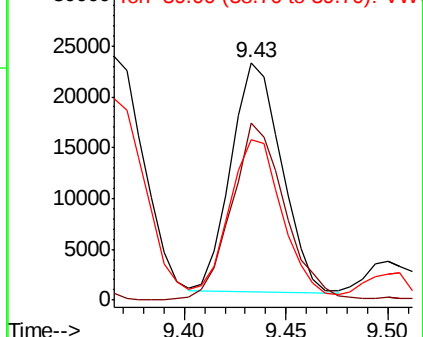
41 100

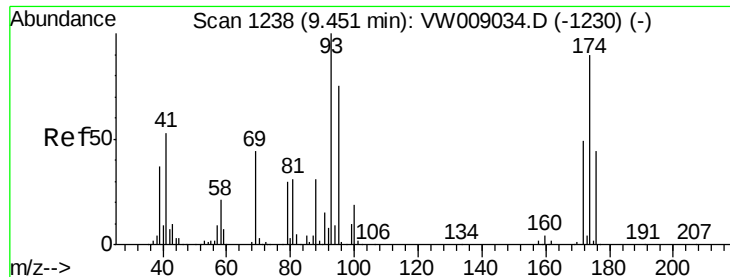
69 81.3 59.1 88.7

39 74.0 48.9 73.3#



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: 359.602 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

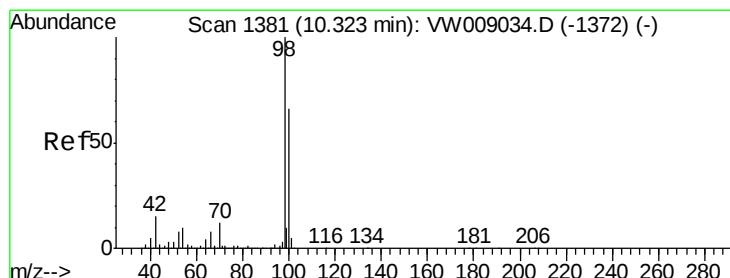
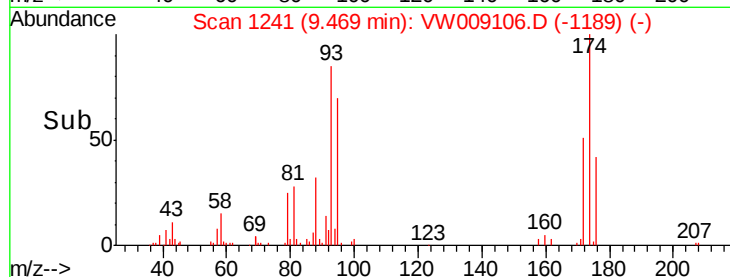
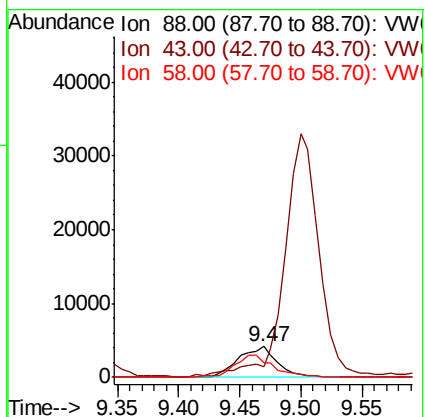
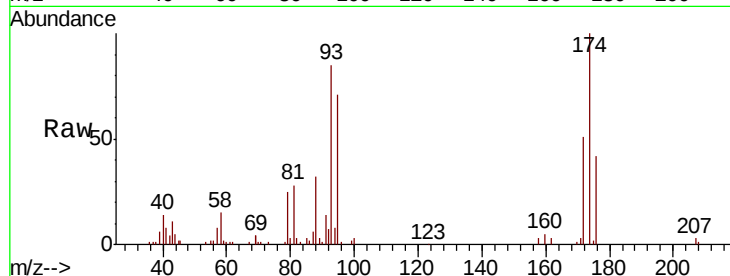
Tgt Ion: 88 Resp: 9214

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

58 75.6 59.2 88.8



#50

Toluene-d8

Concen: 51.685 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009106.D

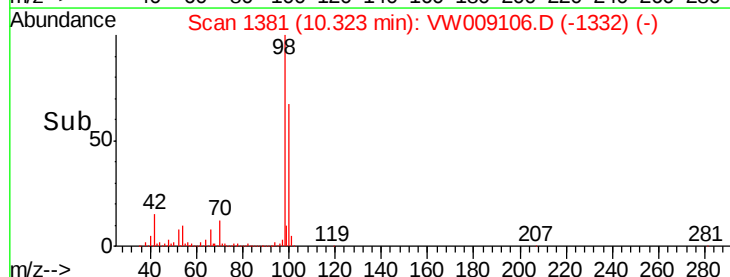
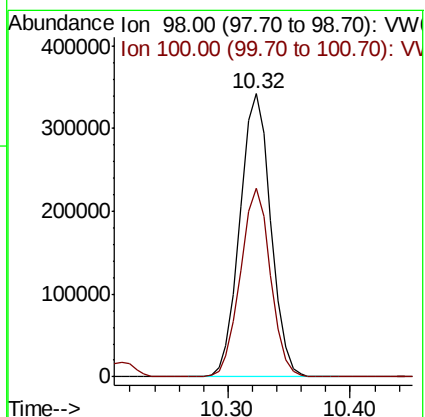
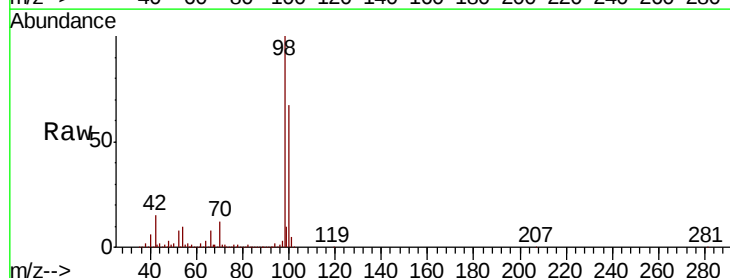
Acq: 12 Mar 2019 01:42

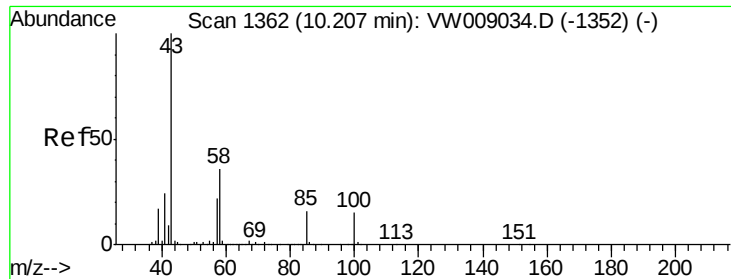
Tgt Ion: 98 Resp: 599004

Ion Ratio Lower Upper

98 100

100 65.0 51.9 77.9

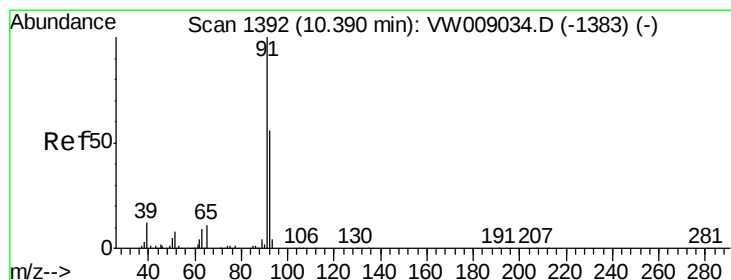
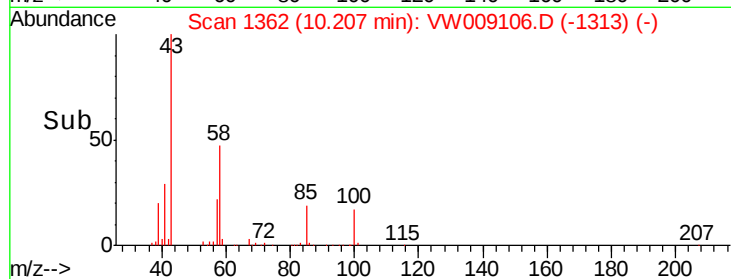
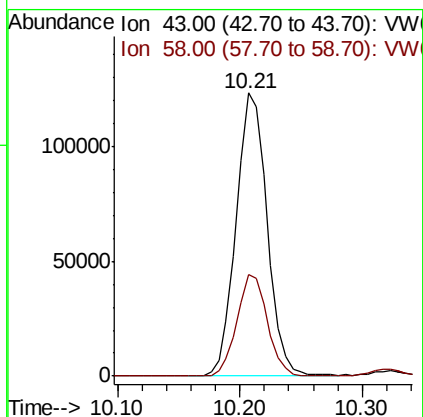
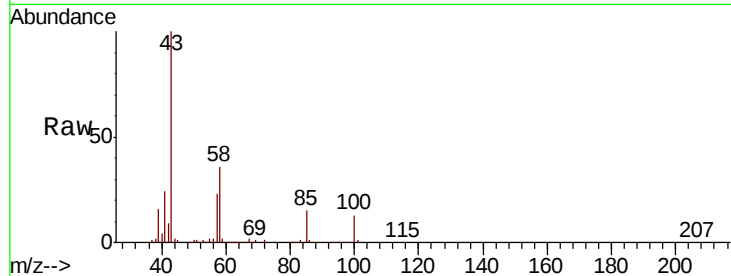




#51
 4-Methyl-2-Pentanone
 Concen: 99.194 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

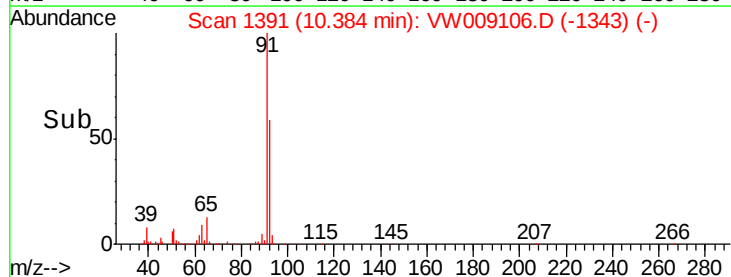
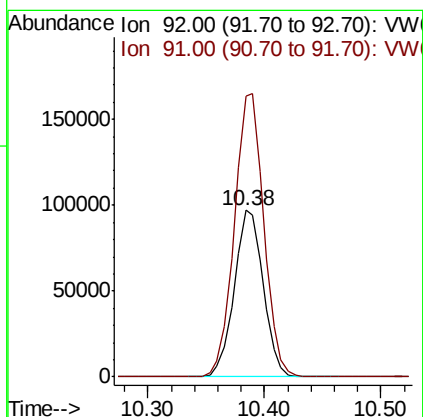
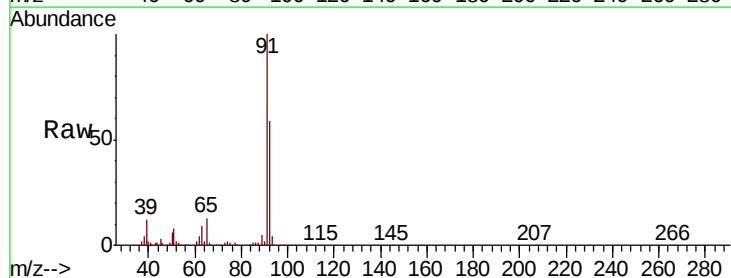
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD02

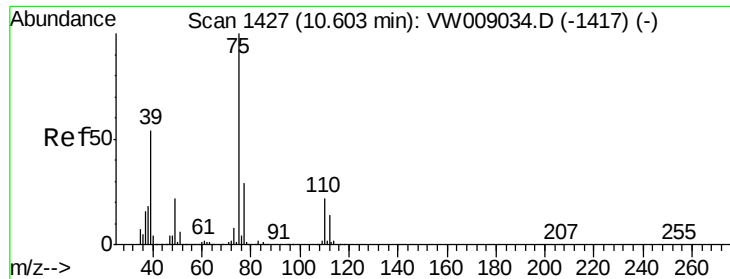
Tgt Ion: 43 Resp: 215883
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.8 43.2



#52
 Toluene
 Concen: 18.985 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion: 92 Resp: 168426
 Ion Ratio Lower Upper
 92 100
 91 171.9 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 19.890 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

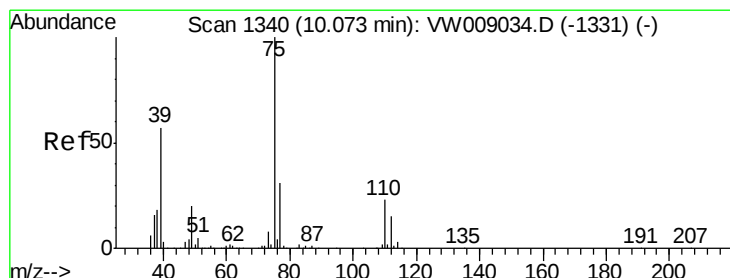
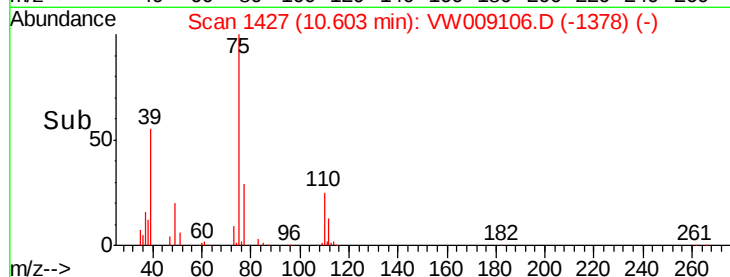
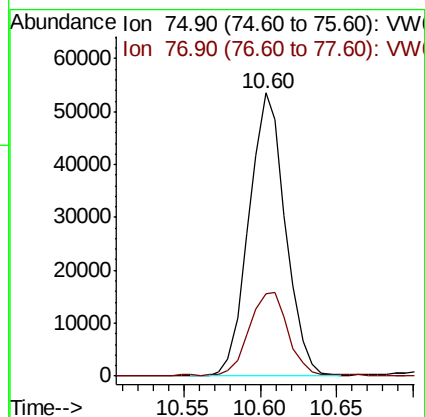
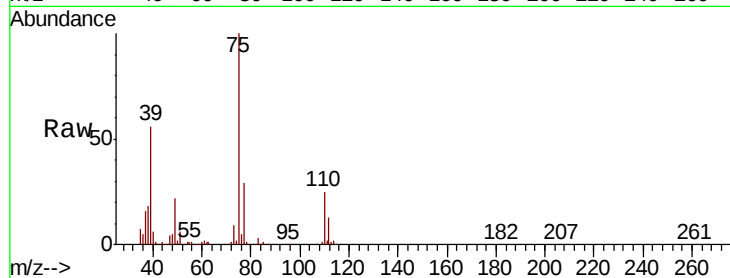
VW0311SBSD02

Tgt Ion: 75 Resp: 89104

Ion Ratio Lower Upper

75 100

77 28.8 23.6 35.4



#54

cis-1,3-Dichloropropene

Concen: 20.171 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

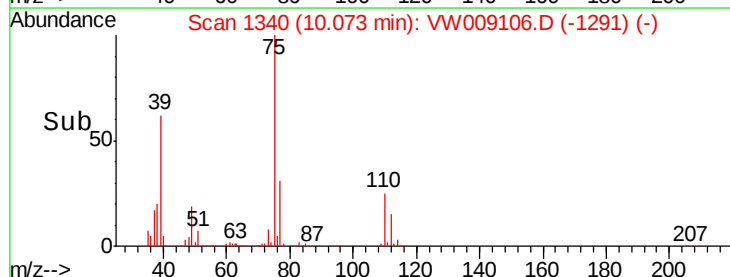
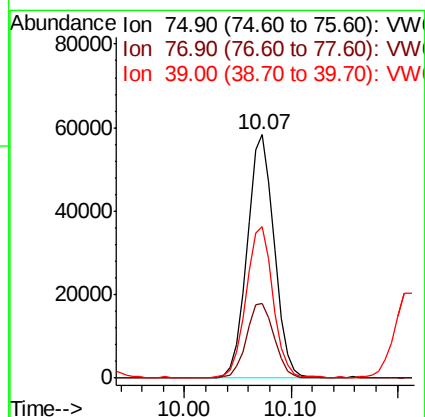
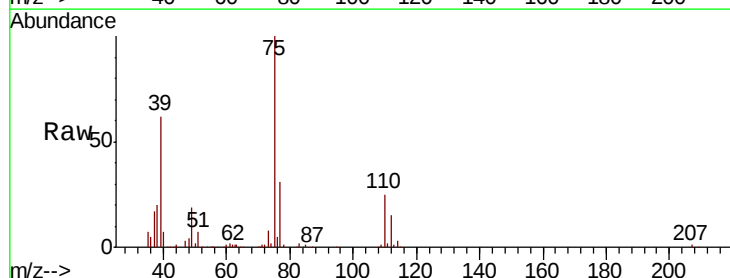
Tgt Ion: 75 Resp: 103842

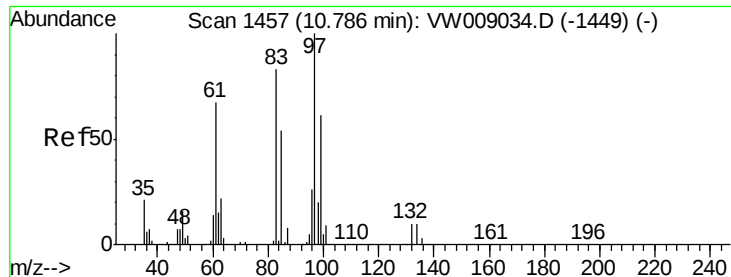
Ion Ratio Lower Upper

75 100

77 30.8 24.6 36.8

39 61.9 45.9 68.9

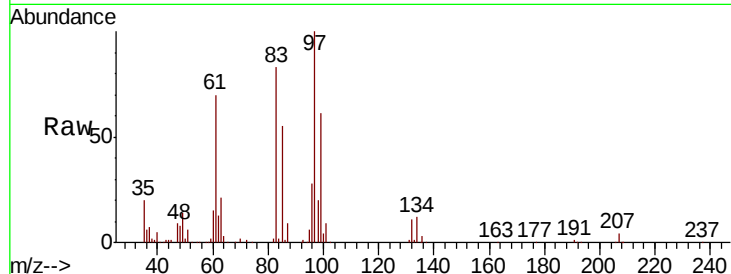




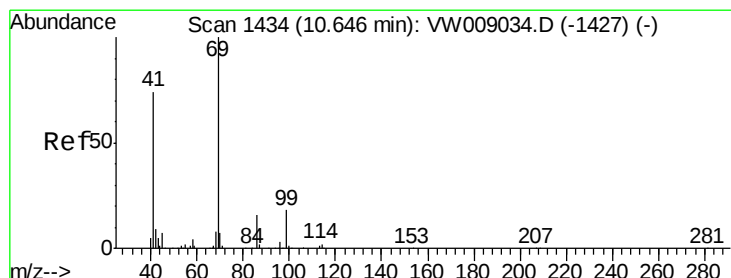
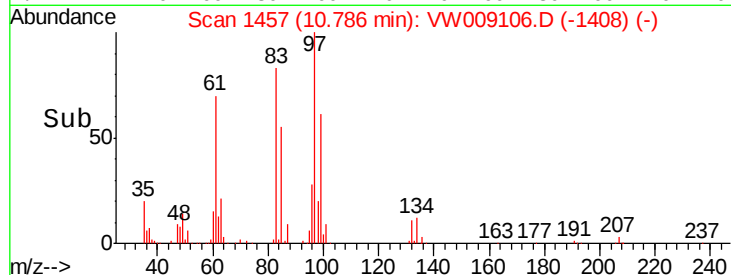
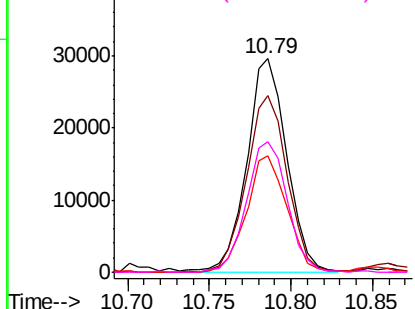
#55
 1,1,2-Trichloroethane
 Concen: 20.854 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD02

Tgt Ion:	97	Resp:	50576
Ion	Ratio	Lower	Upper
97	100		
83	82.6	66.2	99.2
85	55.0	43.6	65.4
99	61.4	49.0	73.4

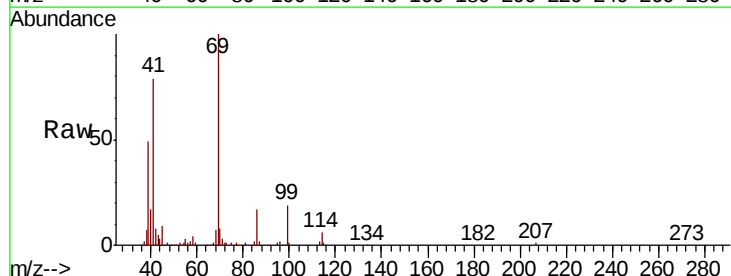


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

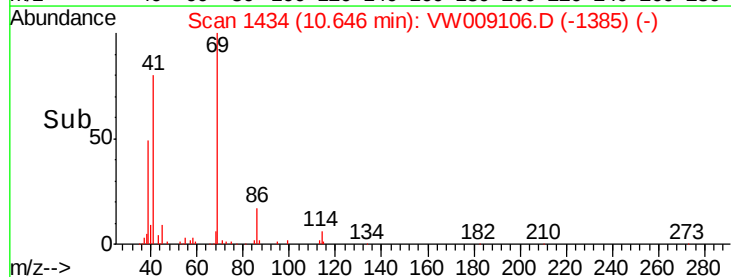
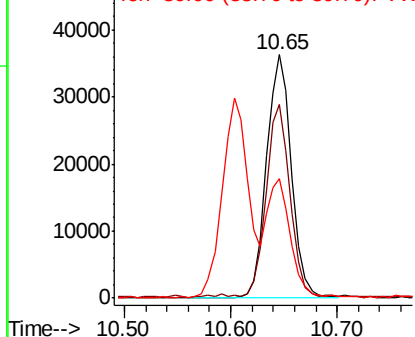


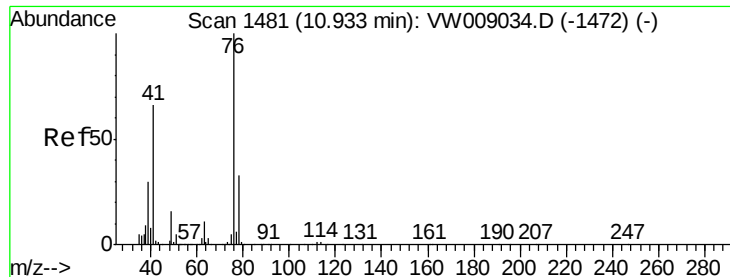
#56
 Ethyl methacrylate
 Concen: 19.680 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion:	69	Resp:	59234
Ion	Ratio	Lower	Upper
69	100		
41	75.8	59.4	89.2
39	47.2	38.5	57.7



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: 20.939 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

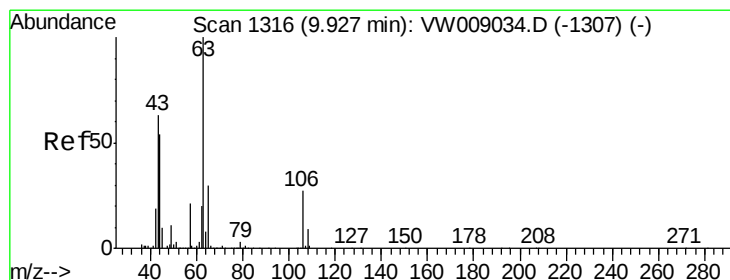
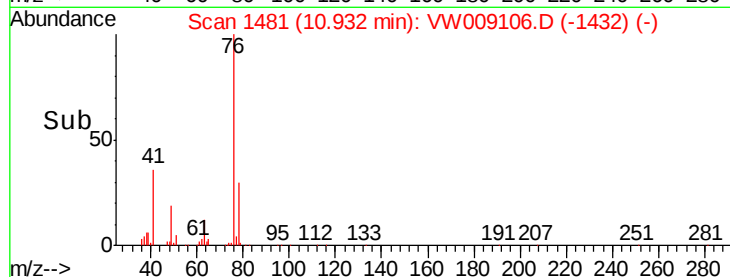
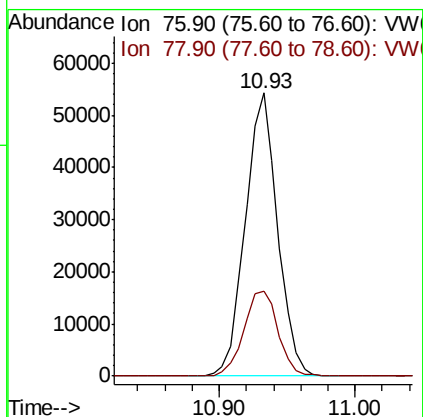
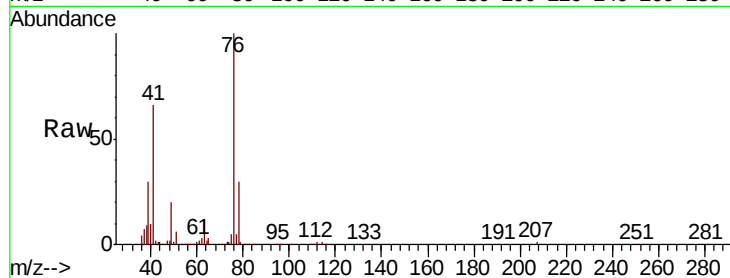
VW0311SBSD02

Tgt Ion: 76 Resp: 89960

Ion Ratio Lower Upper

76 100

78 32.2 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 105.085 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW009106.D

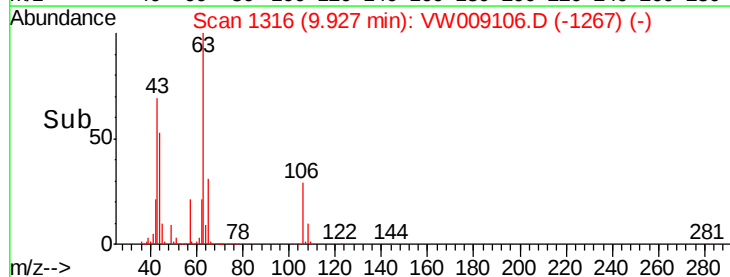
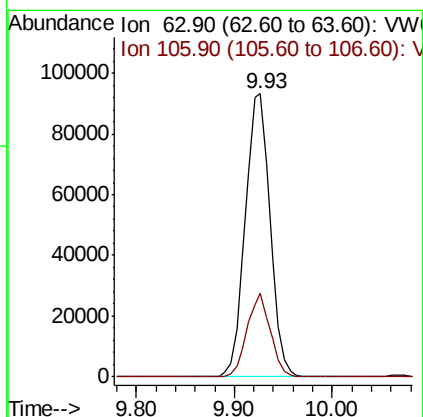
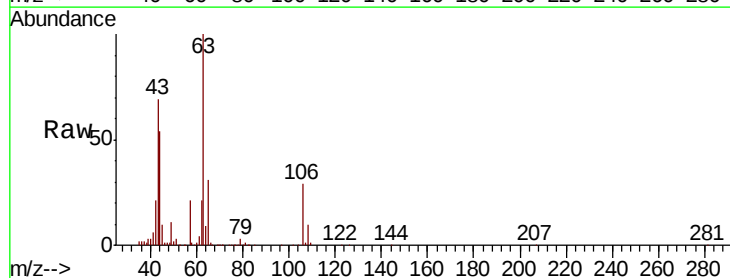
Acq: 12 Mar 2019 01:42

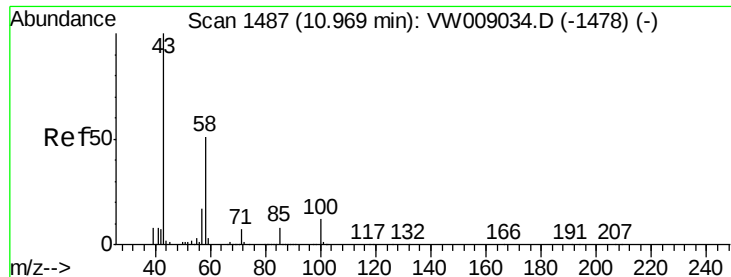
Tgt Ion: 63 Resp: 163970

Ion Ratio Lower Upper

63 100

106 27.6 23.0 34.6





#59

2-Hexanone

Concen: 93.673 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

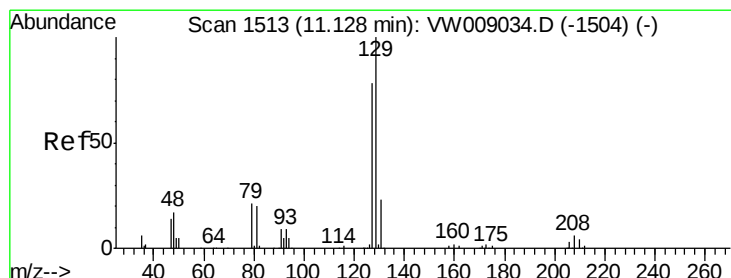
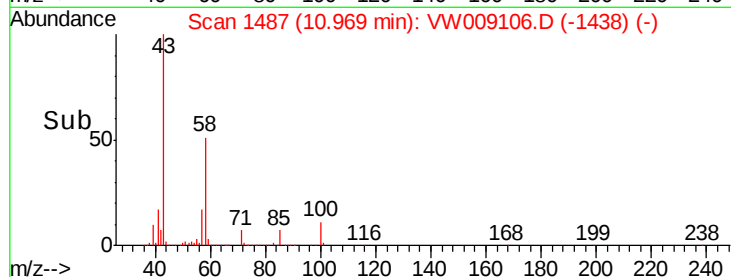
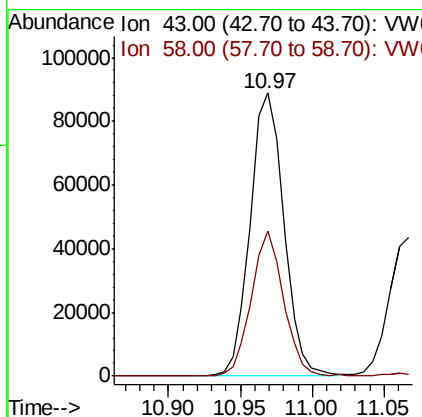
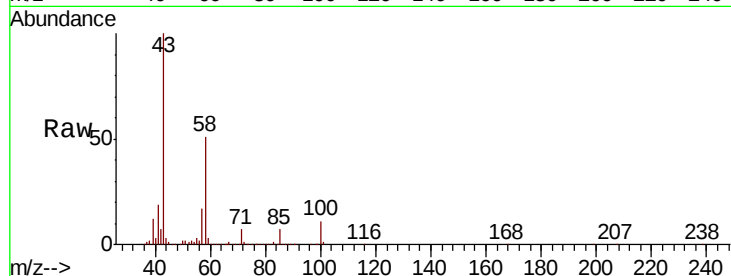
VW0311SBSD02

Tgt Ion: 43 Resp: 143337

Ion Ratio Lower Upper

43 100

58 49.3 25.3 75.9



#60

Dibromochloromethane

Concen: 20.559 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009106.D

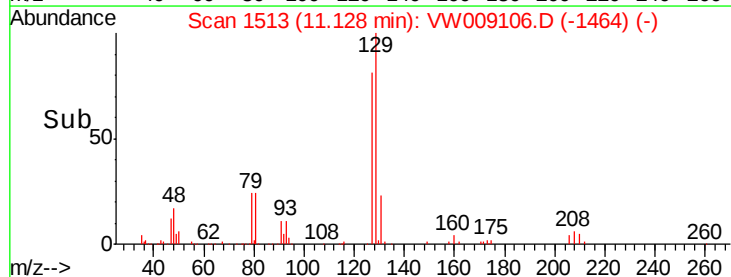
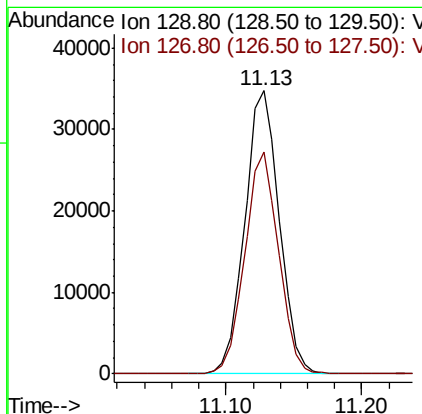
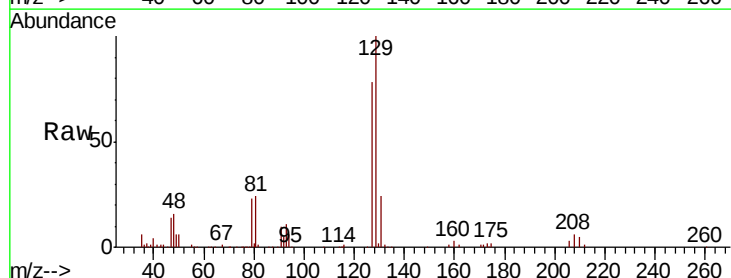
Acq: 12 Mar 2019 01:42

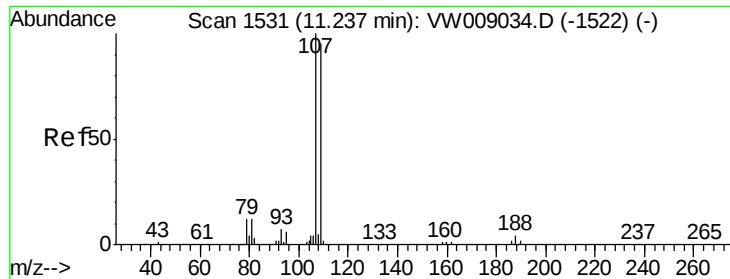
Tgt Ion: 129 Resp: 61703

Ion Ratio Lower Upper

129 100

127 76.8 38.4 115.1

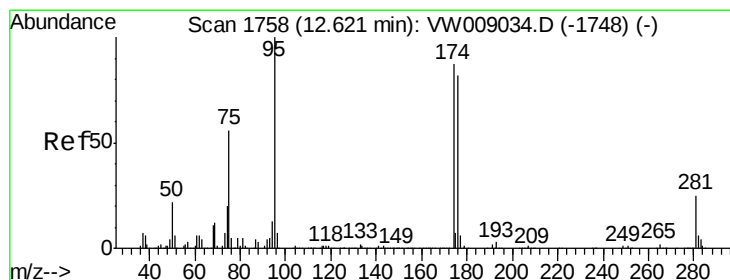
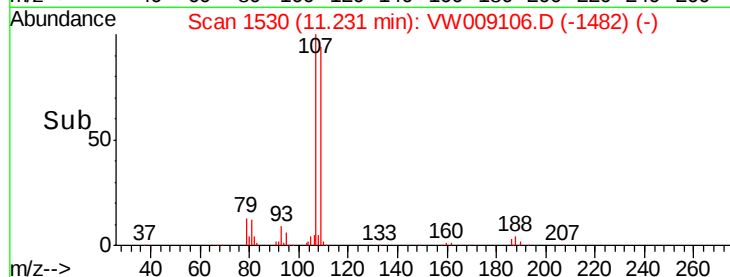
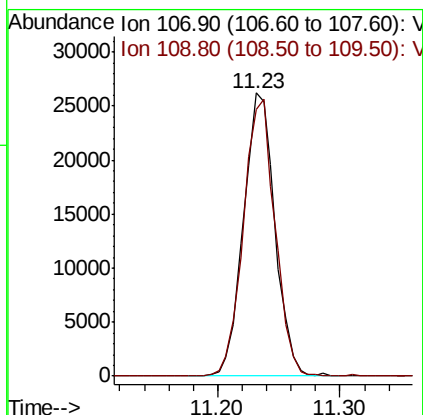
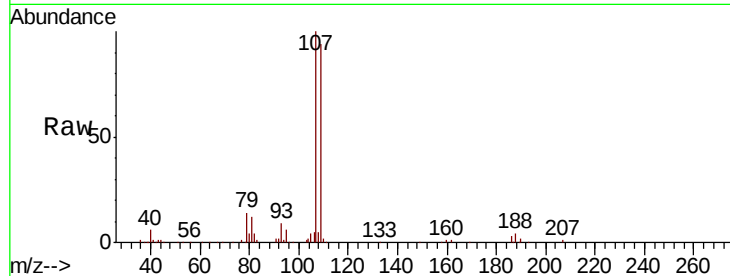




#61
 1,2-Dibromoethane
 Concen: 19.729 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

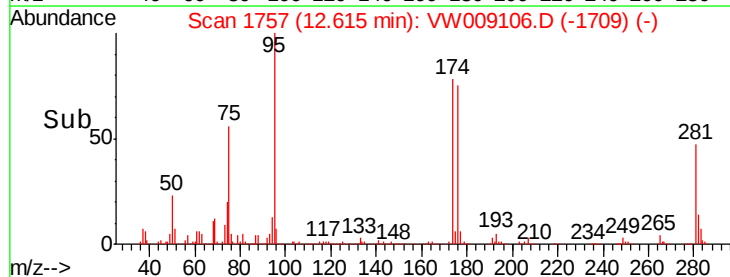
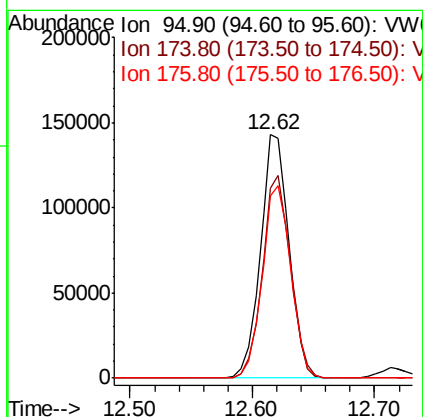
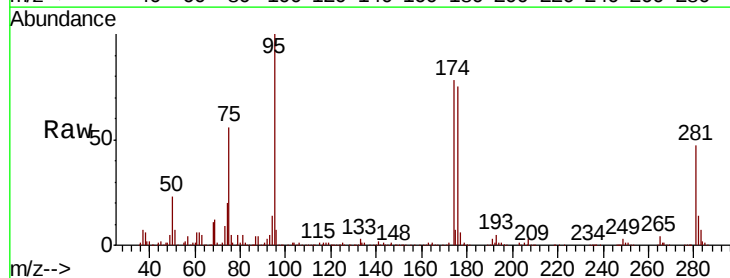
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD02

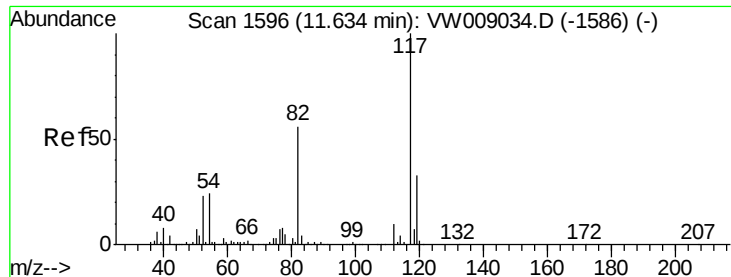
Tgt Ion: 107 Resp: 46905
 Ion Ratio Lower Upper
 107 100
 109 98.1 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 50.916 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion: 95 Resp: 232293
 Ion Ratio Lower Upper
 95 100
 174 82.2 0.0 167.0
 176 79.1 0.0 159.4

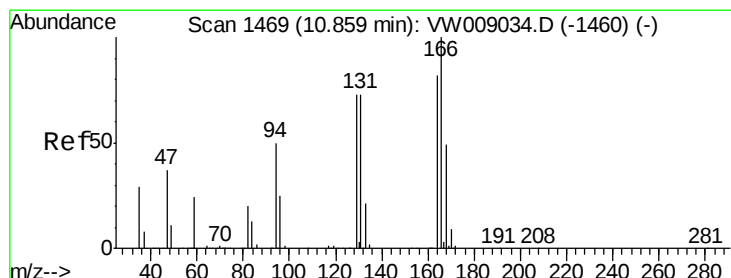
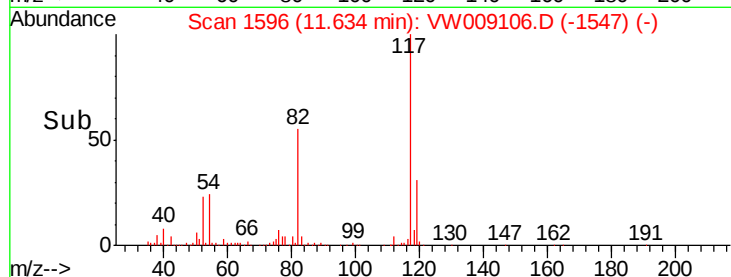
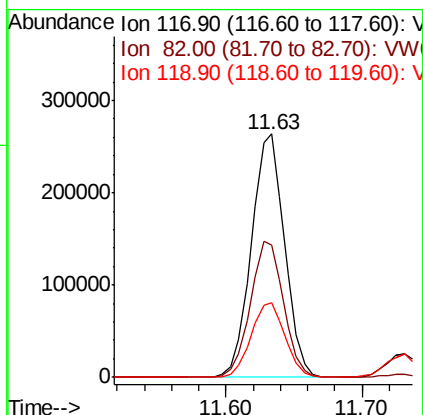
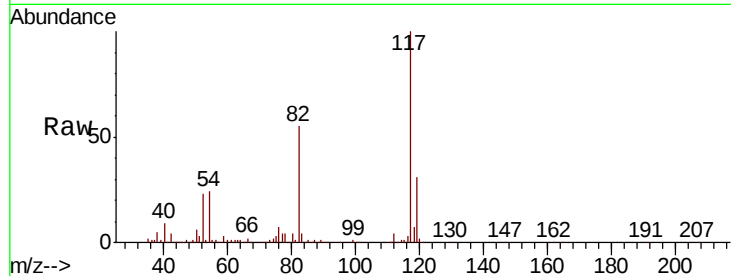




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

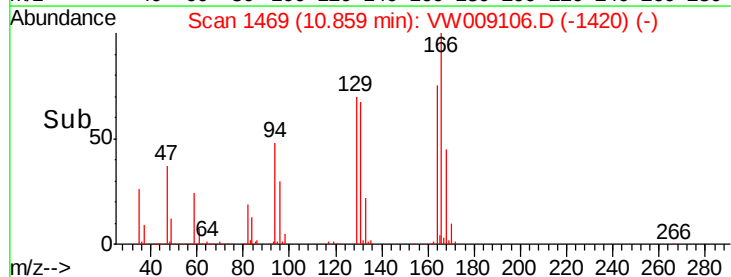
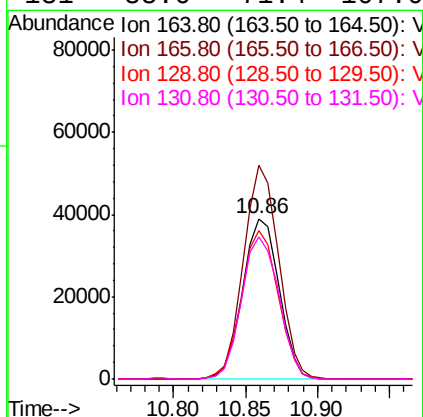
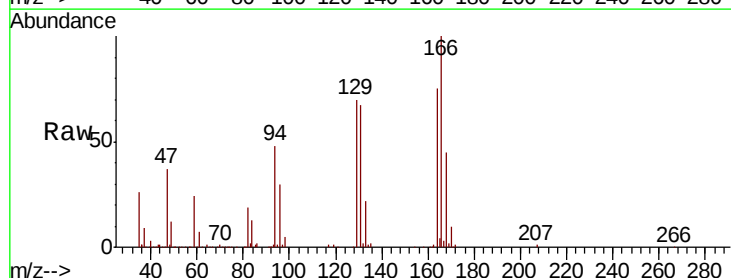
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

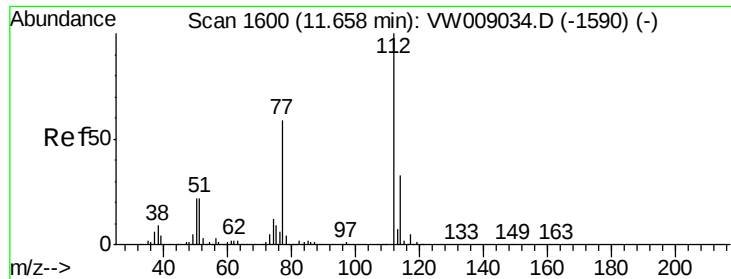
Tgt Ion:117 Resp: 451899
Ion Ratio Lower Upper
117 100
82 54.6 45.0 67.6
119 30.9 26.6 39.8



#64
Tetrachloroethene
Concen: 21.020 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion:164 Resp: 68502
Ion Ratio Lower Upper
164 100
166 133.0 97.8 146.6
129 92.7 71.6 107.4
131 88.6 71.4 107.0

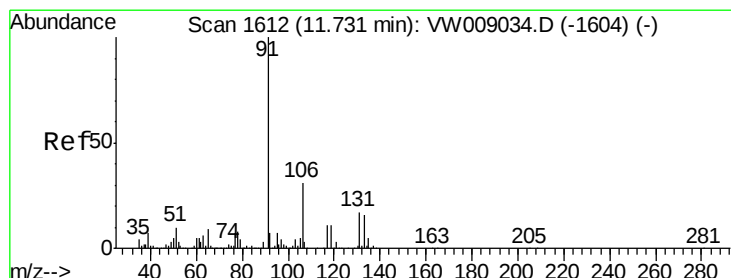
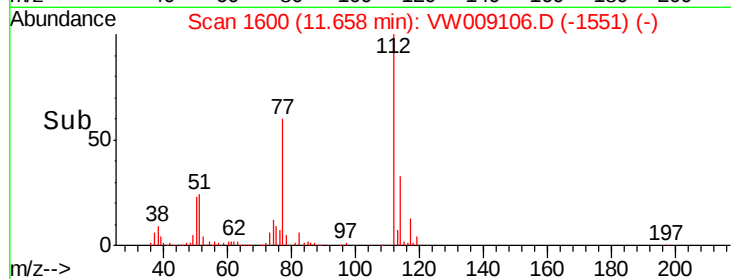
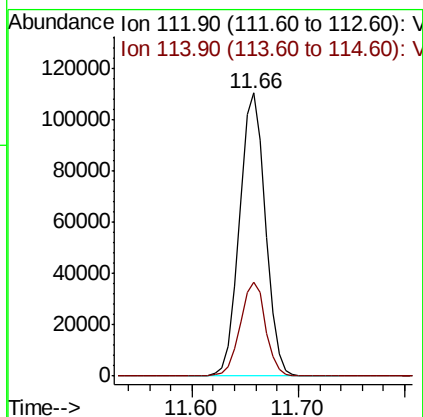
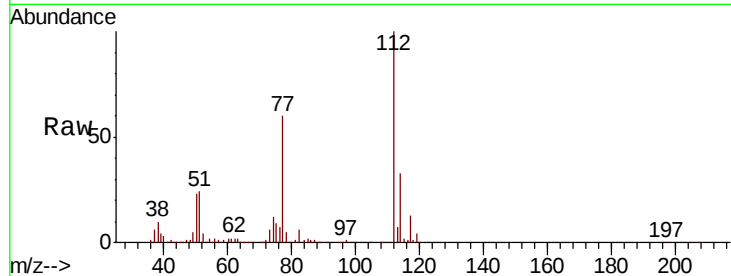




#65
Chlorobenzene
Concen: 19.186 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

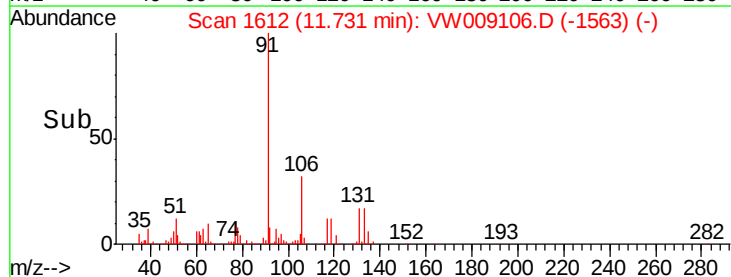
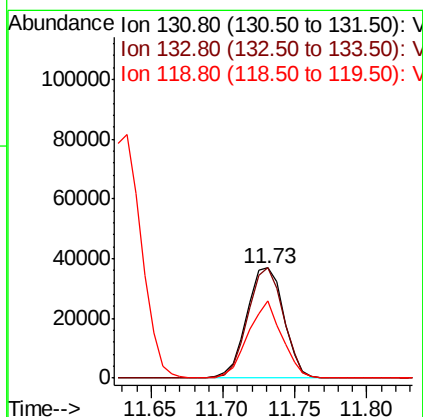
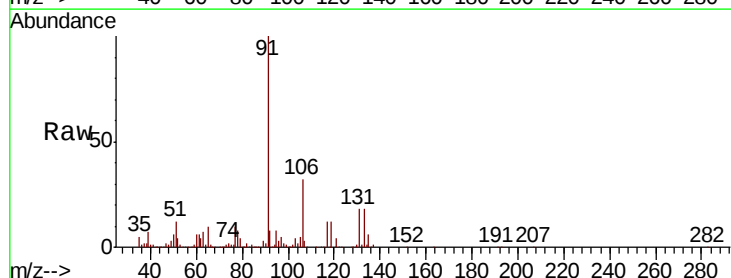
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

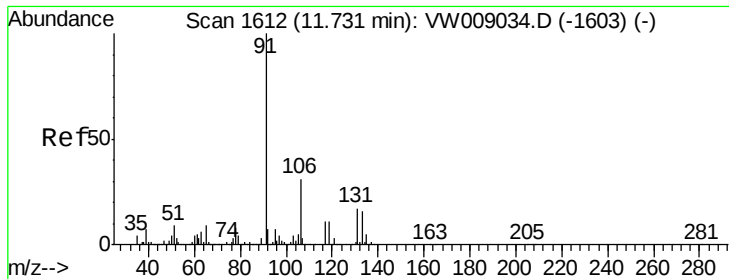
Tgt Ion:112 Resp: 188715
Ion Ratio Lower Upper
112 100
114 33.1 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.993 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion:131 Resp: 65662
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.8
119 64.0 31.3 93.8





#67

Ethyl Benzene

Concen: 18.796 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

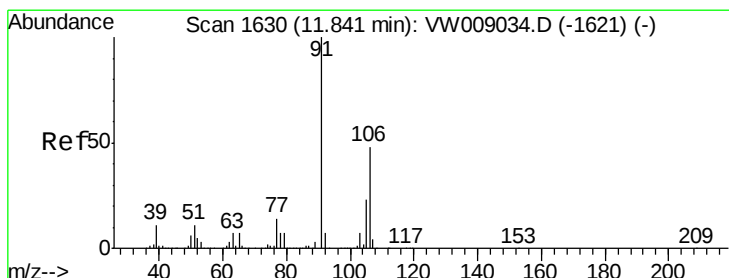
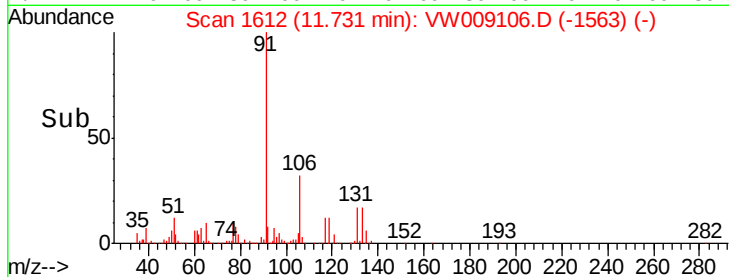
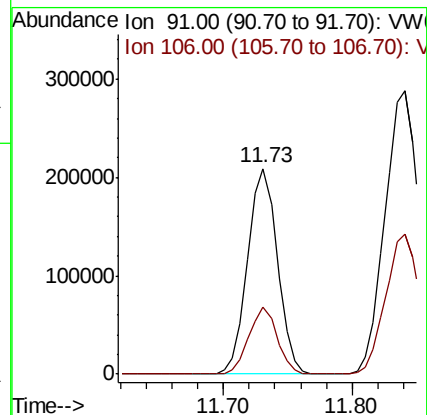
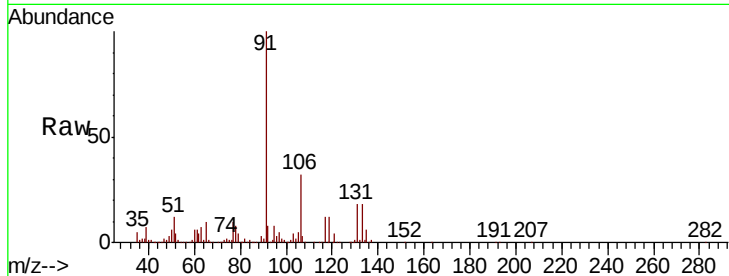
VW0311SBSD02

Tgt Ion: 91 Resp: 333989

Ion Ratio Lower Upper

91 100

106 32.3 25.0 37.4



#68

m/p-Xylenes

Concen: 37.322 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009106.D

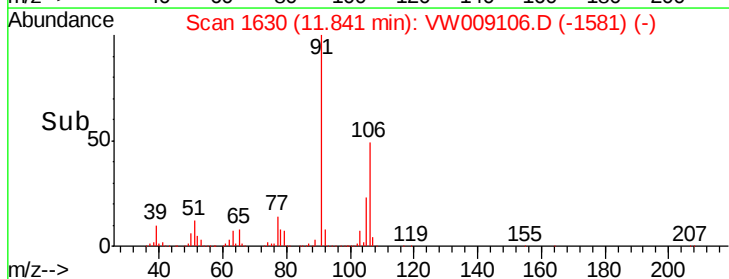
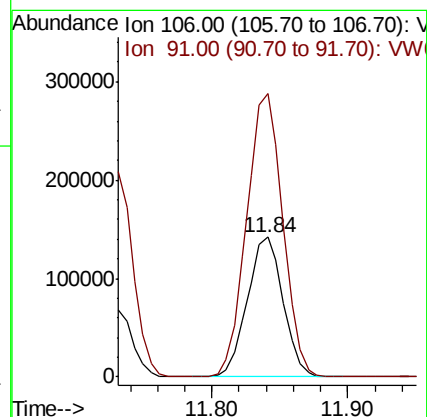
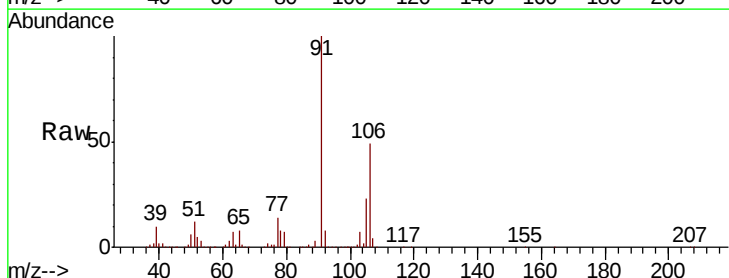
Acq: 12 Mar 2019 01:42

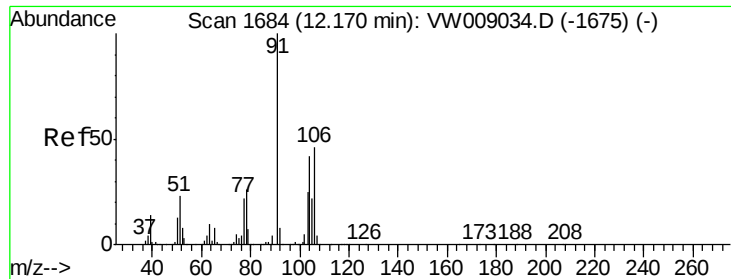
Tgt Ion: 106 Resp: 261773

Ion Ratio Lower Upper

106 100

91 204.8 163.2 244.8

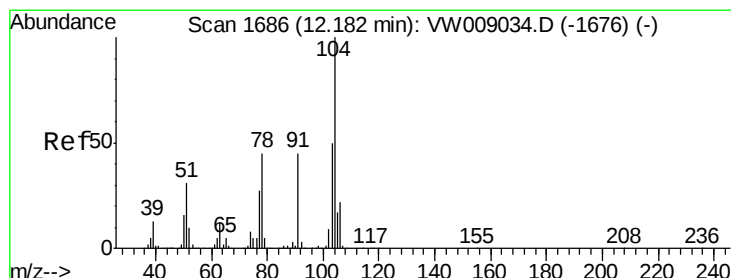
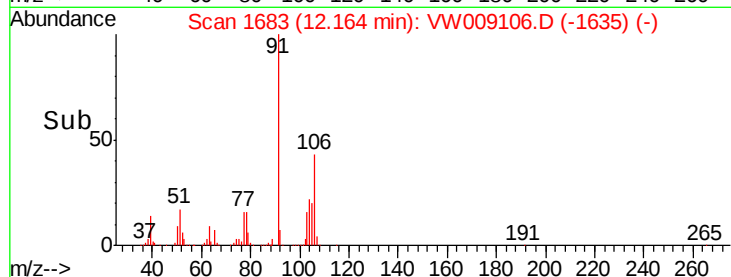
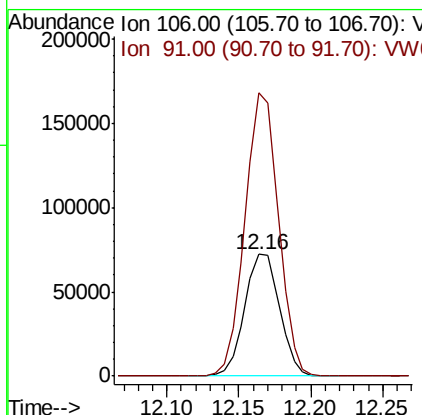
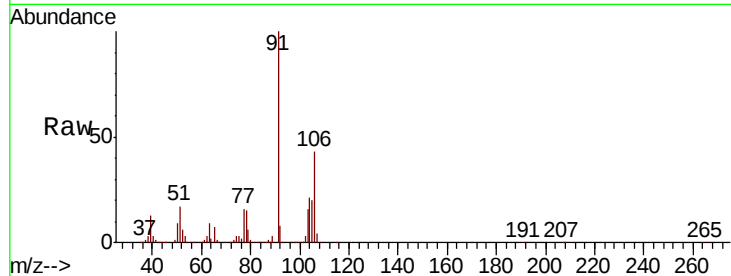




#69
o-Xylene
Concen: 18.638 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

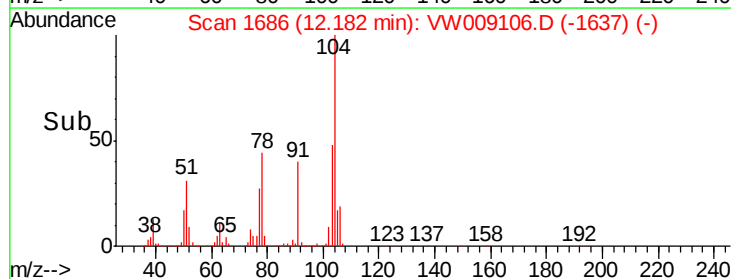
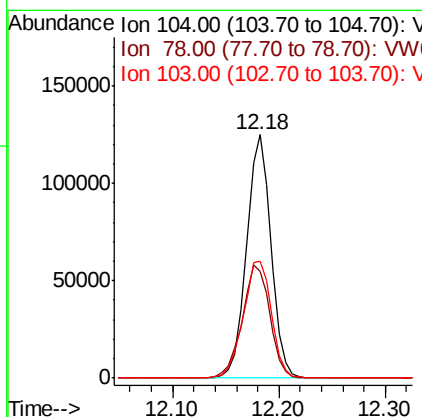
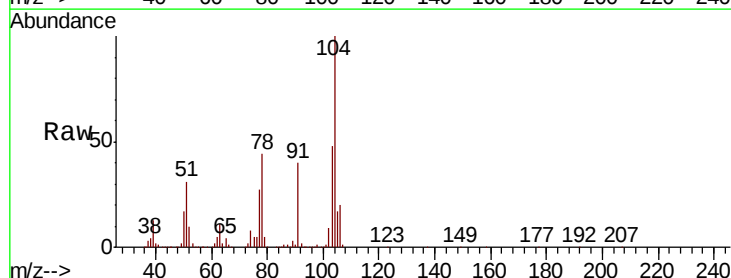
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

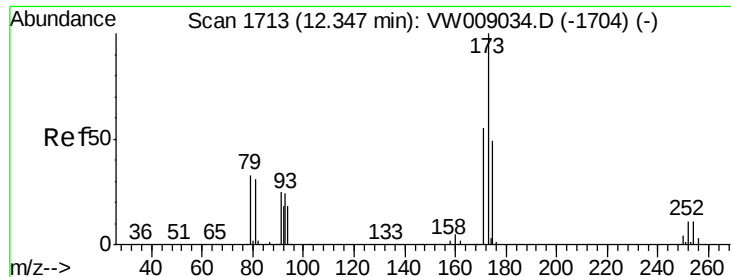
Tgt Ion:106 Resp: 121635
Ion Ratio Lower Upper
106 100
91 223.1 108.6 325.6



#70
Styrene
Concen: 19.109 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion:104 Resp: 201767
Ion Ratio Lower Upper
104 100
78 52.4 42.1 63.1
103 55.4 43.9 65.9

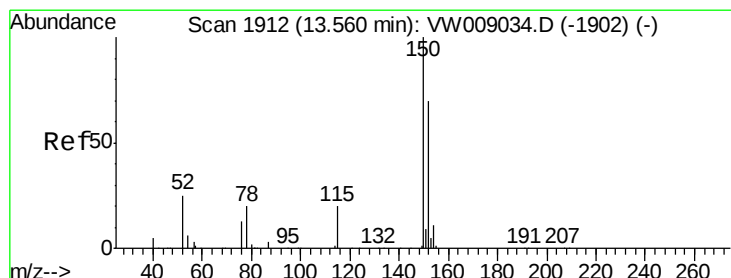
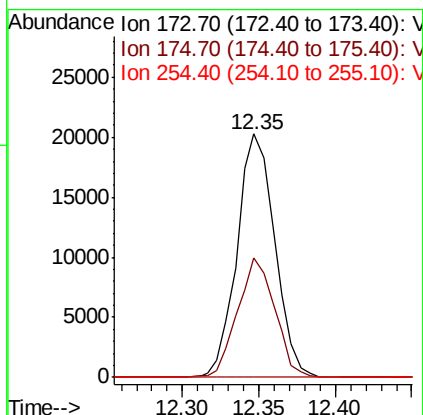
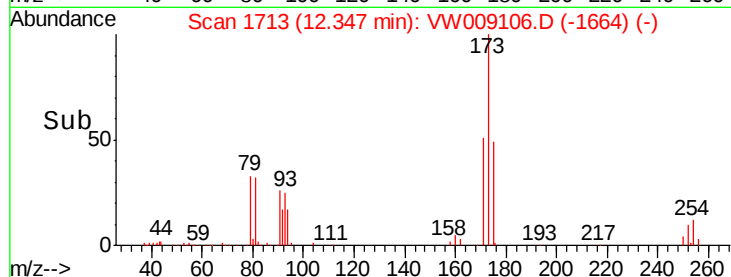
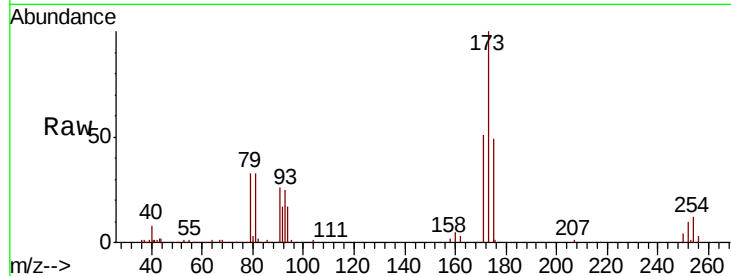




#71
Bromoform
Concen: 19.672 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

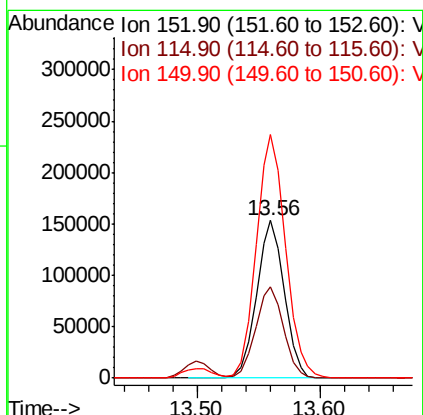
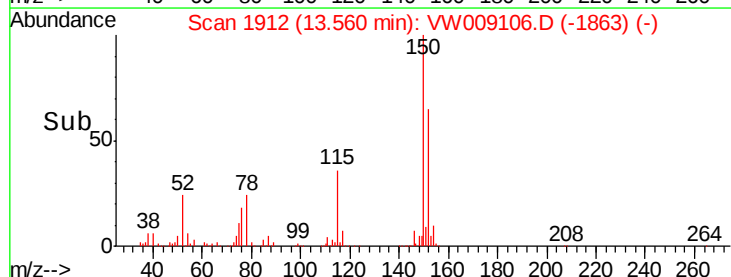
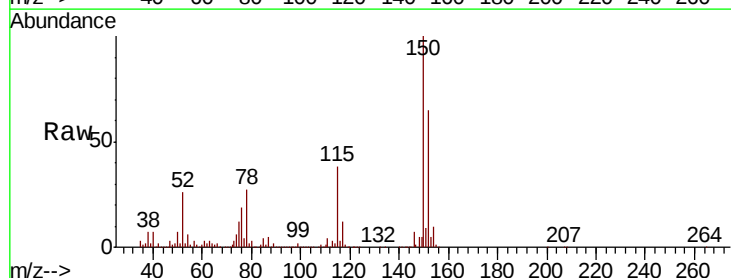
Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

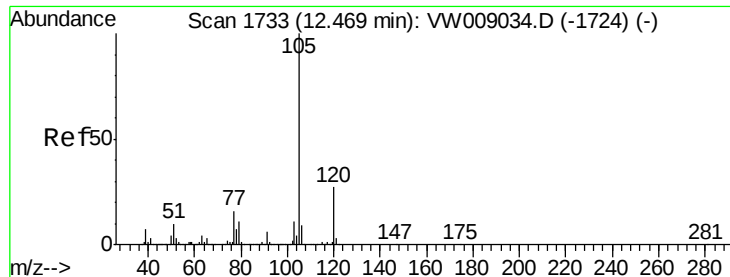
Tgt Ion:173 Resp: 34690
Ion Ratio Lower Upper
173 100
175 48.6 24.6 74.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion:152 Resp: 240872
Ion Ratio Lower Upper
152 100
115 58.6 28.9 86.7
150 163.4 0.0 349.2





#73

Isopropylbenzene

Concen: 19.479 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

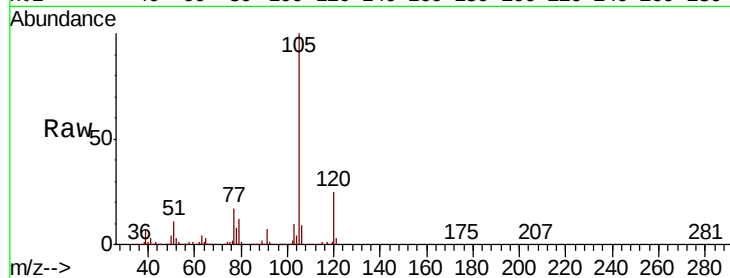
VW0311SBSD02

Tgt Ion: 105 Resp: 335996

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

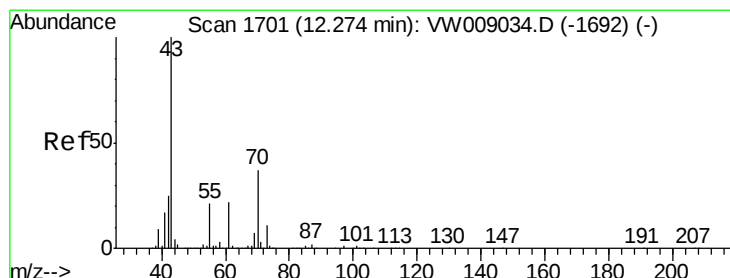
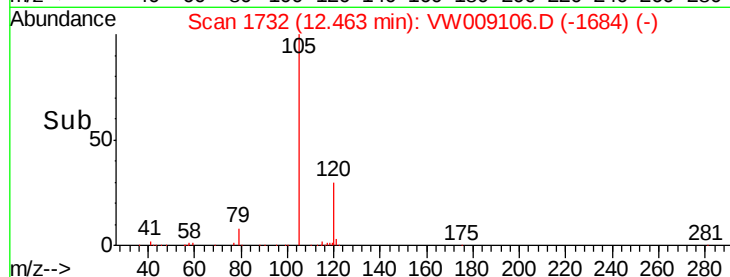
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 18.605 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Tgt Ion: 43 Resp: 75973

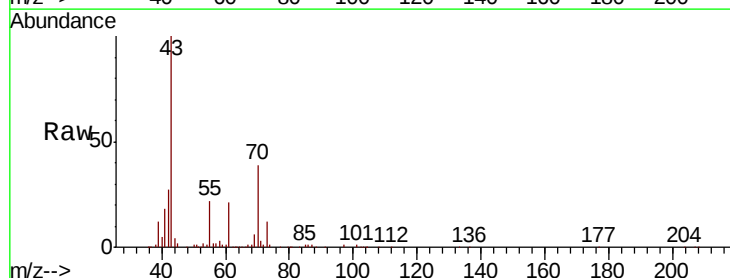
Ion Ratio Lower Upper

43 100

70 38.6 30.8 46.2

55 23.4 17.8 26.8

61 20.8 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

40000

20000

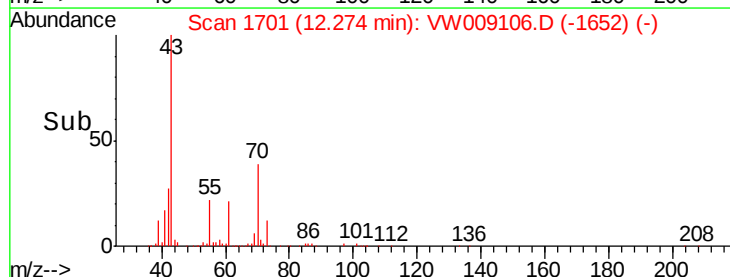
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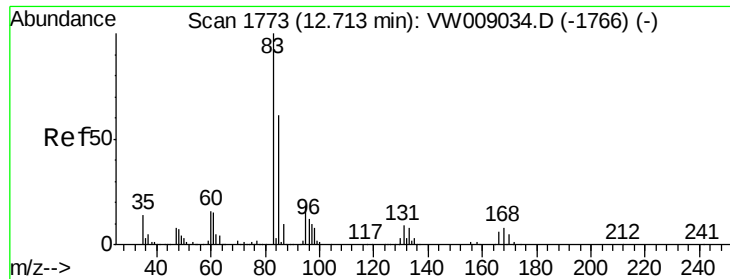
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.405 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

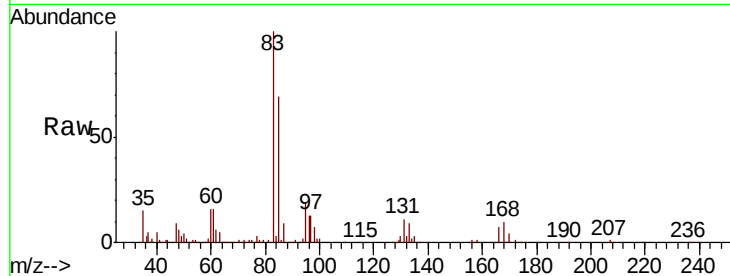
Tgt Ion: 83 Resp: 55519

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.7

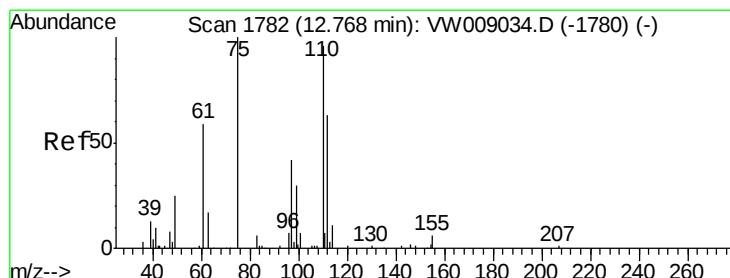
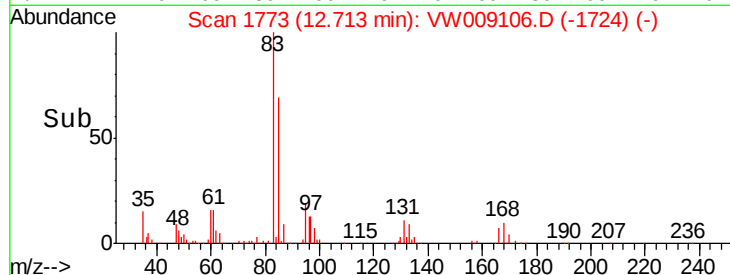
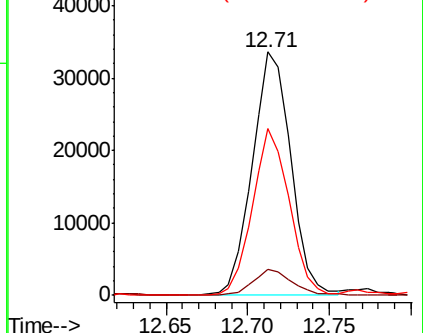
85 65.3 31.7 95.1



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: 40.022 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009106.D

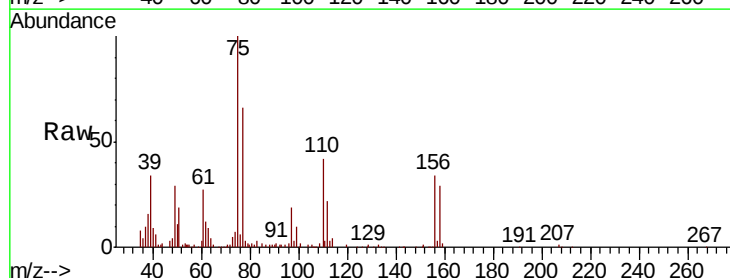
Acq: 12 Mar 2019 01:42

Tgt Ion: 75 Resp: 76165

Ion Ratio Lower Upper

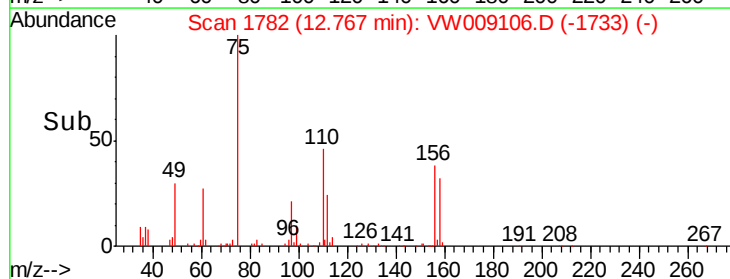
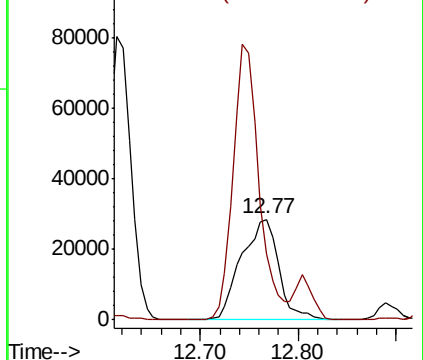
75 100

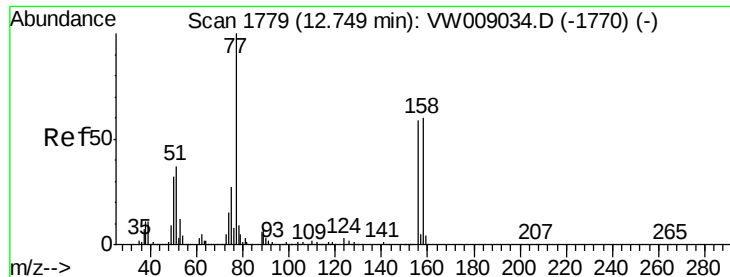
77 0.0 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.125 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

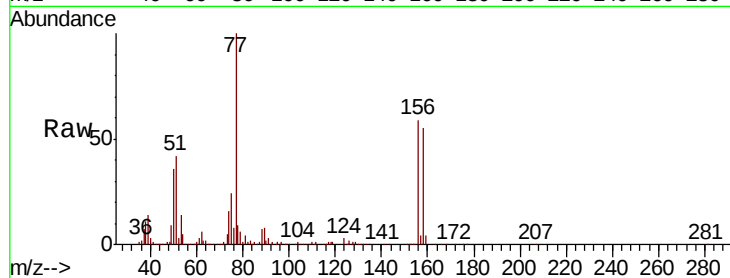
Tgt Ion:156 Resp: 79318

Ion Ratio Lower Upper

156 100

77 183.8 93.0 279.2

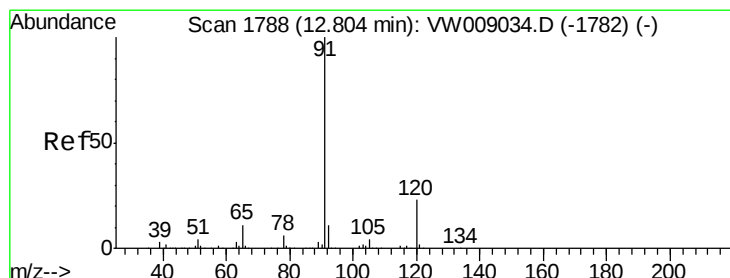
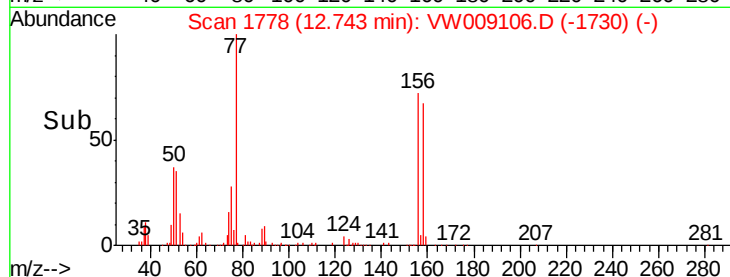
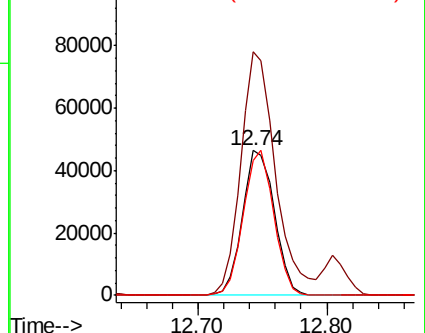
158 95.0 50.0 149.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.027 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009106.D

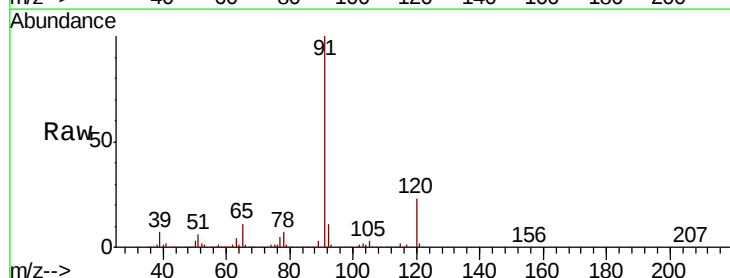
Acq: 12 Mar 2019 01:42

Tgt Ion: 91 Resp: 404250

Ion Ratio Lower Upper

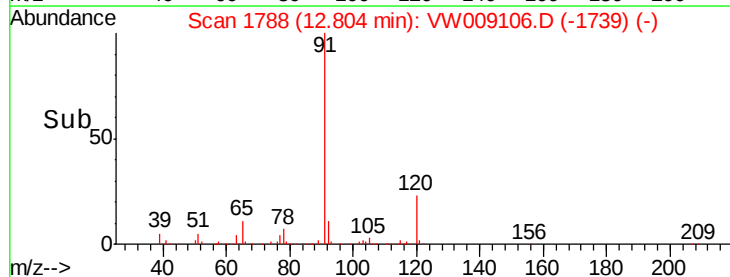
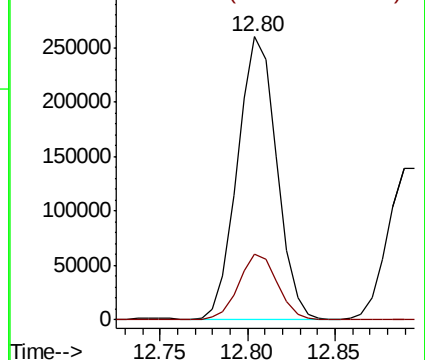
91 100

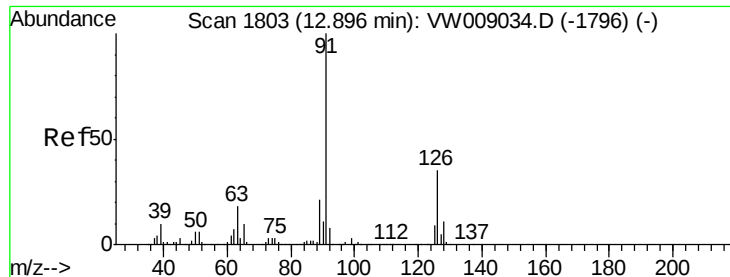
120 22.9 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.788 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

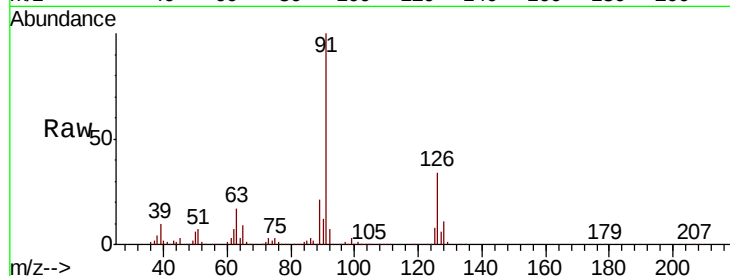
VW0311SBSD02

Tgt Ion: 91 Resp: 236219

Ion Ratio Lower Upper

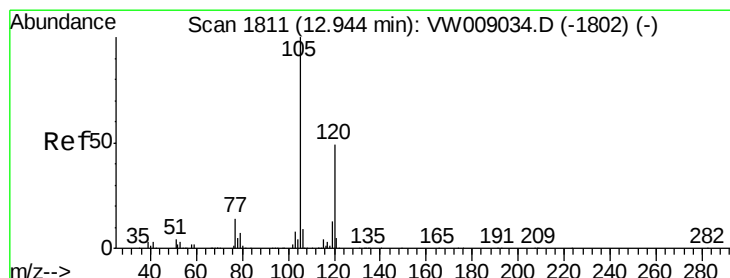
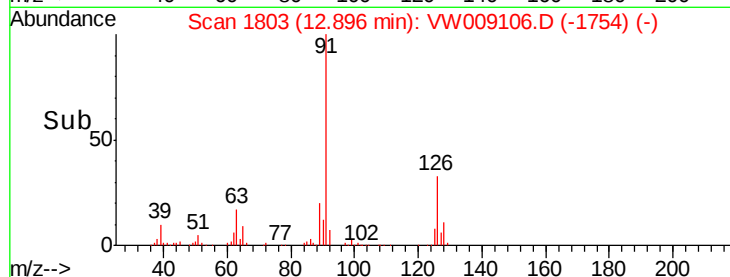
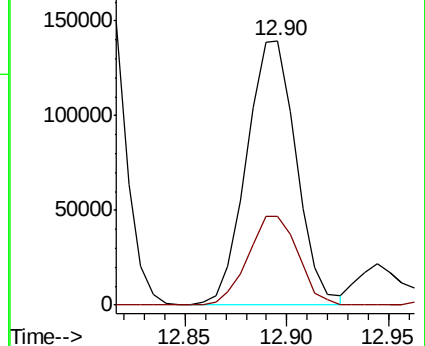
91 100

126 34.2 16.8 50.4



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: 19.054 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009106.D

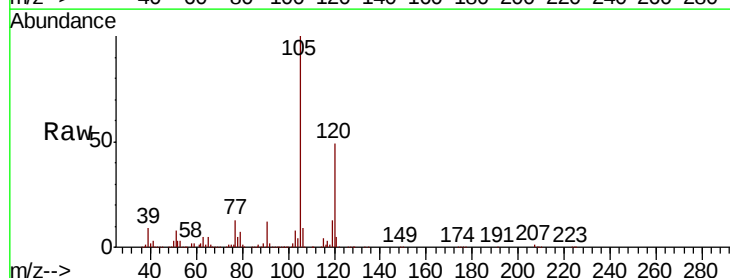
Acq: 12 Mar 2019 01:42

Tgt Ion: 105 Resp: 283304

Ion Ratio Lower Upper

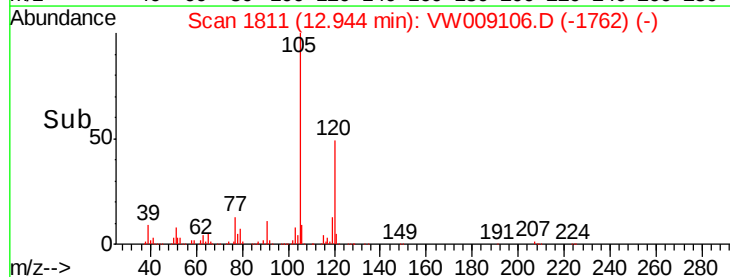
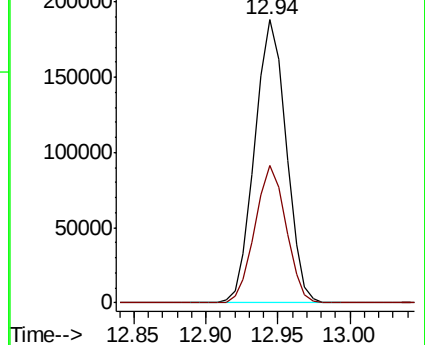
105 100

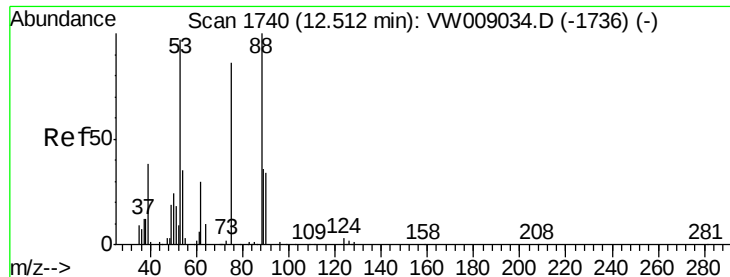
120 48.2 24.4 73.2



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: 18.163 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

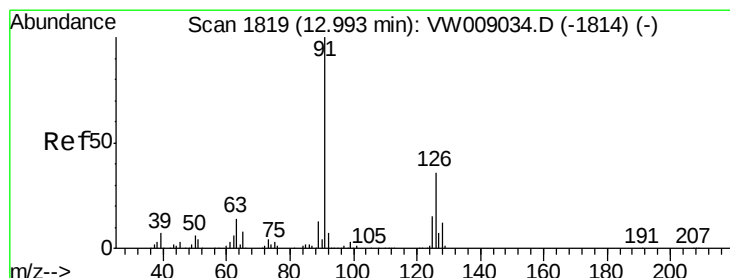
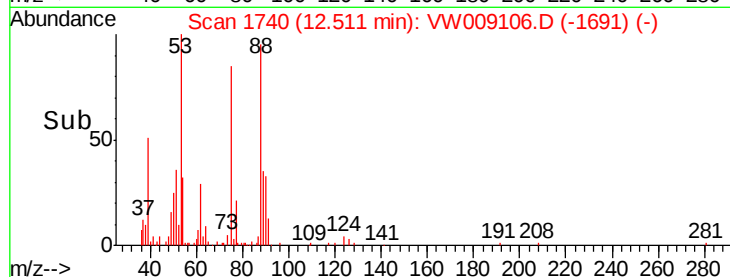
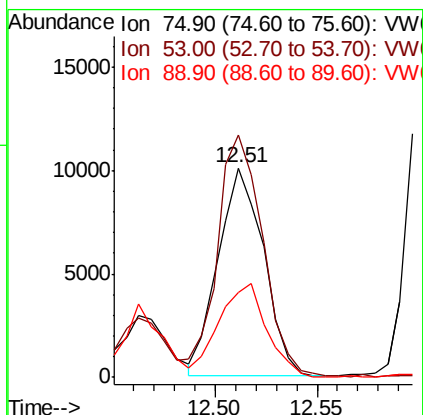
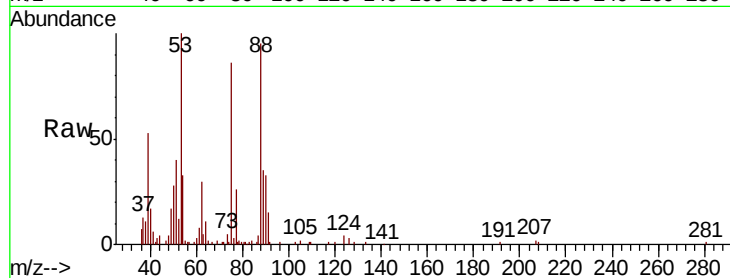
Tgt Ion: 75 Resp: 15454

Ion Ratio Lower Upper

75 100

53 118.5 90.5 135.7

89 47.9 37.5 56.3



#82

4-Chlorotoluene

Concen: 19.227 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW009106.D

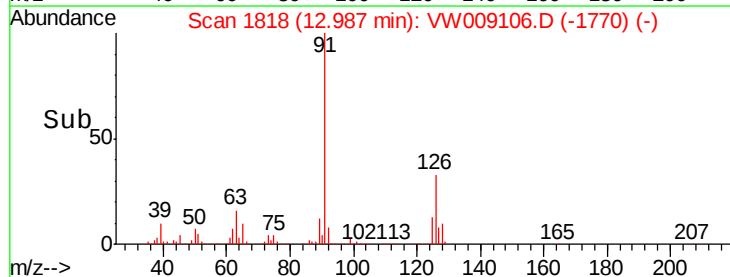
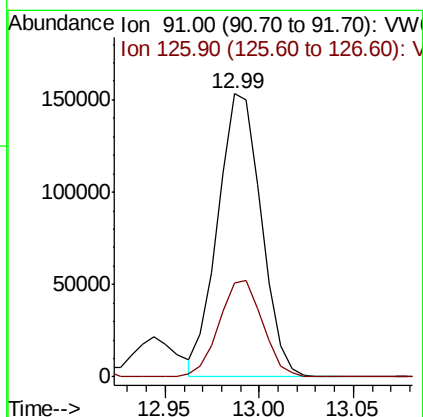
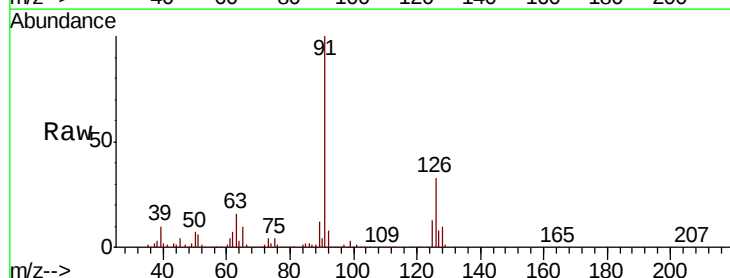
Acq: 12 Mar 2019 01:42

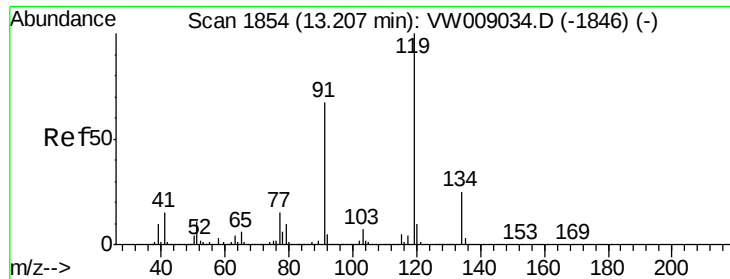
Tgt Ion: 91 Resp: 244655

Ion Ratio Lower Upper

91 100

126 34.3 16.6 49.8





#83

tert-Butylbenzene

Concen: 19.517 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

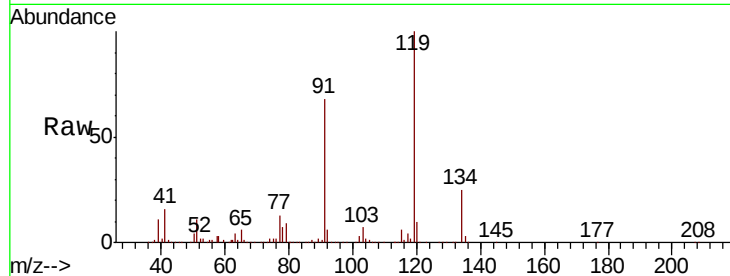
Tgt Ion:119 Resp: 244739

Ion Ratio Lower Upper

119 100

91 68.7 34.2 102.5

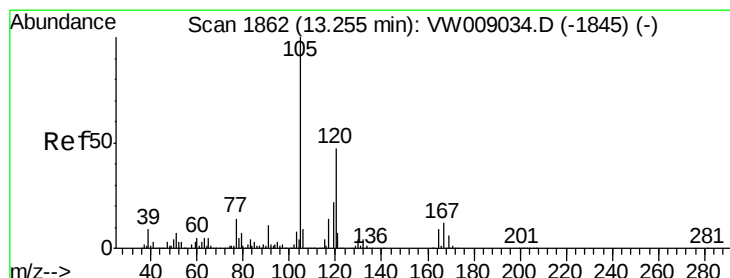
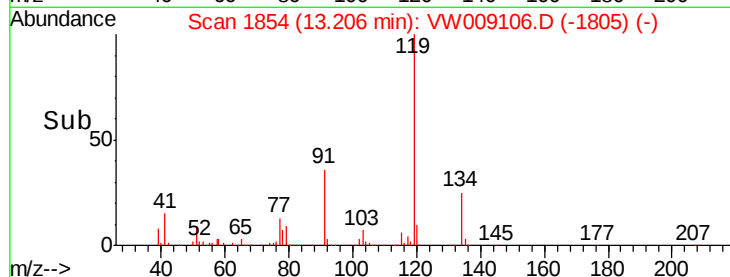
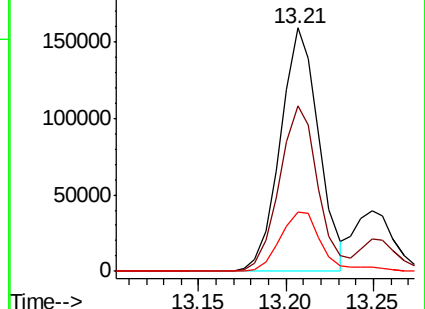
134 27.0 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.089 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW009106.D

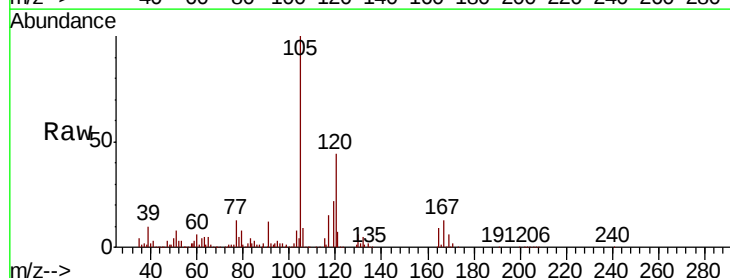
Acq: 12 Mar 2019 01:42

Tgt Ion:105 Resp: 287105

Ion Ratio Lower Upper

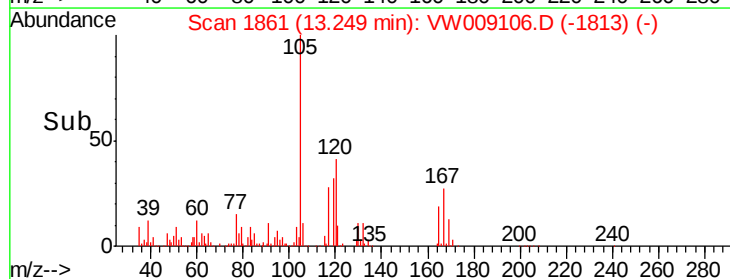
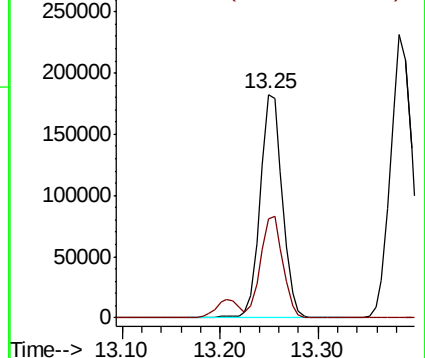
105 100

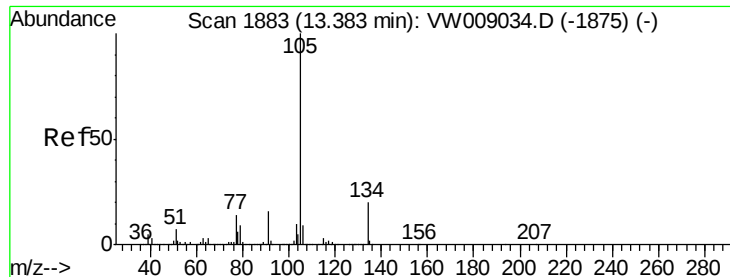
120 45.6 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

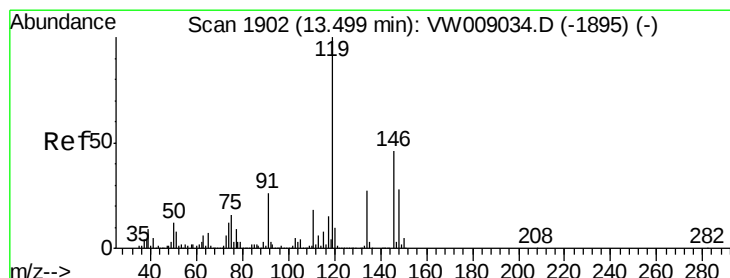
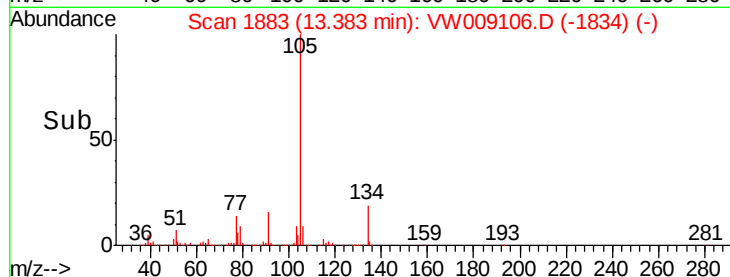
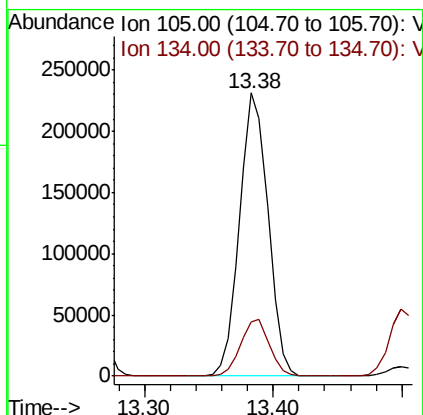
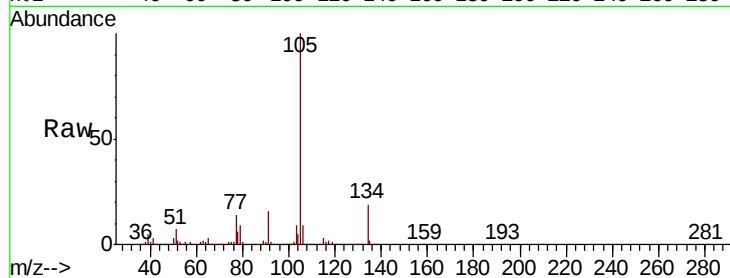




#85
 sec-Butylbenzene
 Concen: 19.078 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

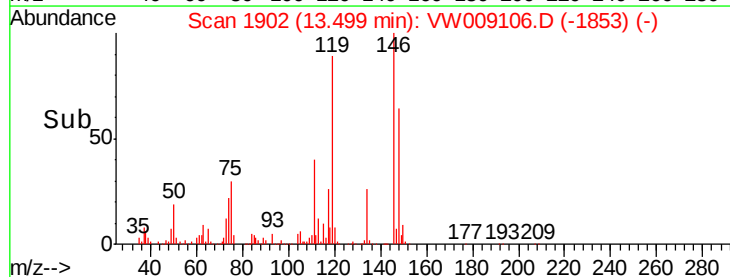
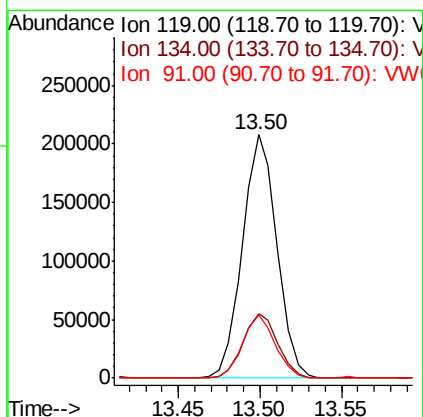
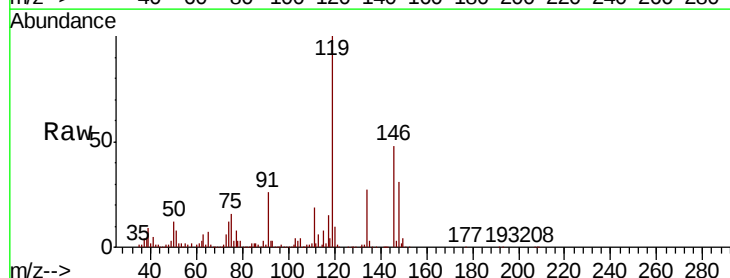
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD02

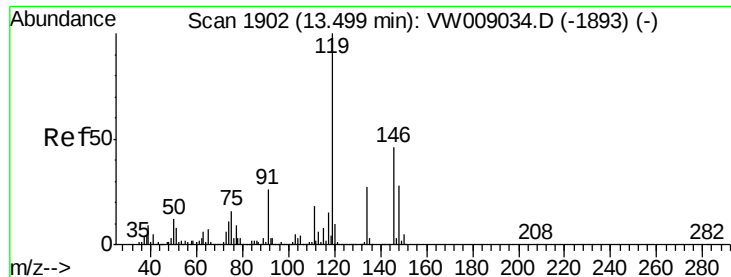
Tgt Ion:105 Resp: 354464
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 18.330 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion:119 Resp: 304651
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.9
 91 24.9 12.3 36.9

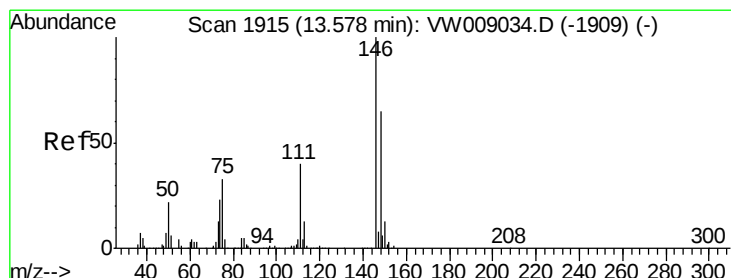
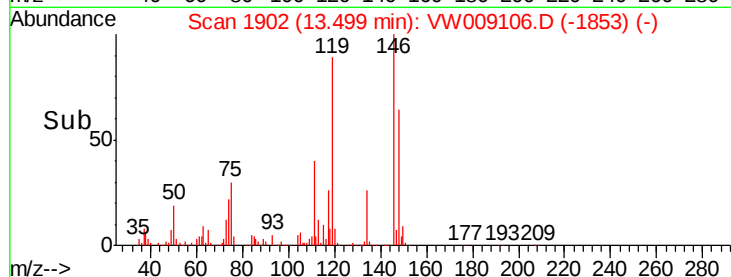
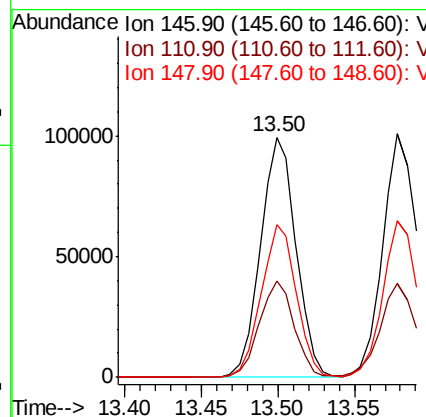
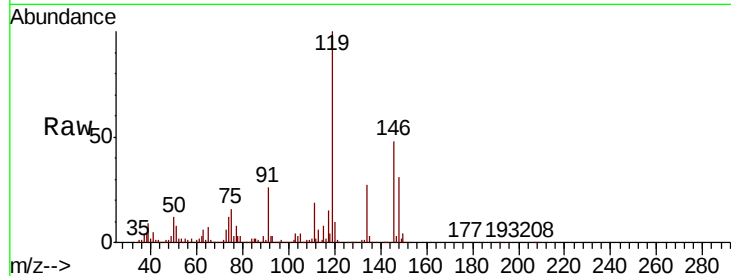




#87
 1,3-Dichlorobenzene
 Concen: 19.373 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

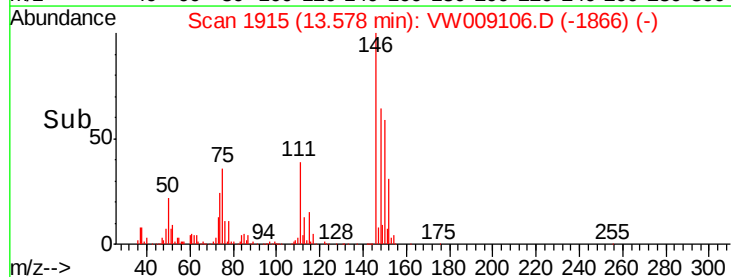
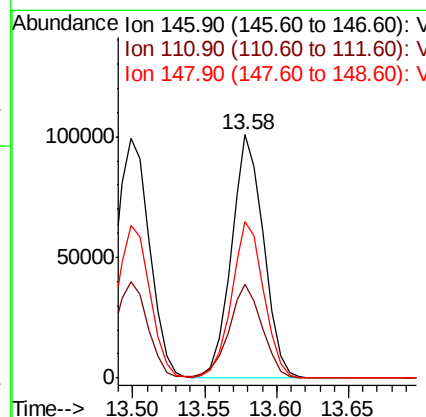
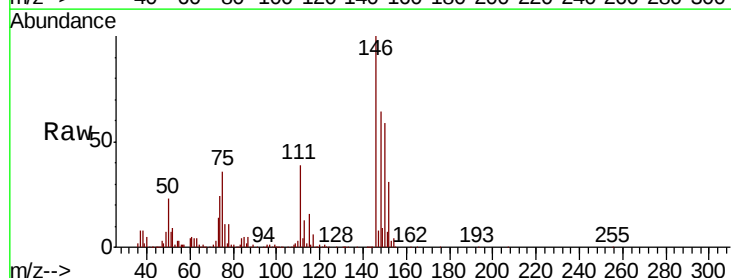
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD02

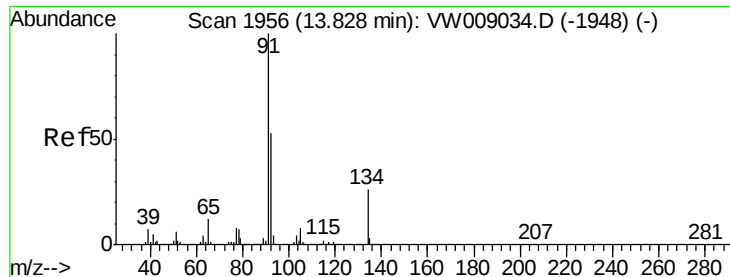
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.4
148	63.2	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 19.206 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.7	59.0
148	64.5	32.2	96.6





#89

n-Butylbenzene

Concen: 18.117 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

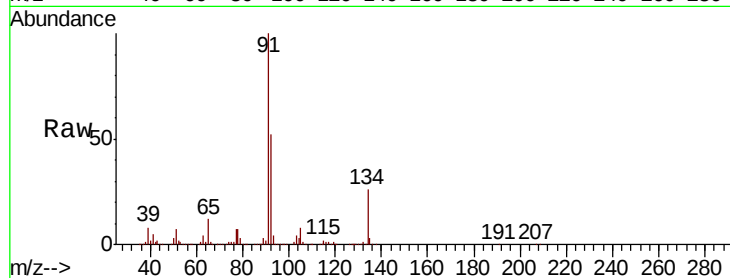
Tgt Ion: 91 Resp: 286264

Ion Ratio Lower Upper

91 100

92 53.2 26.8 80.3

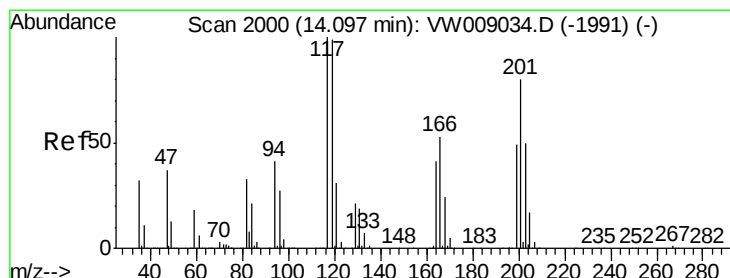
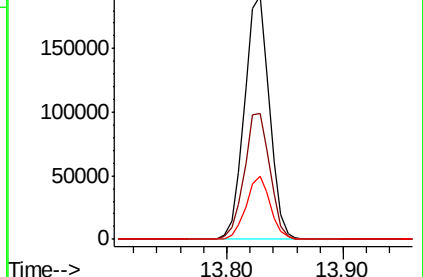
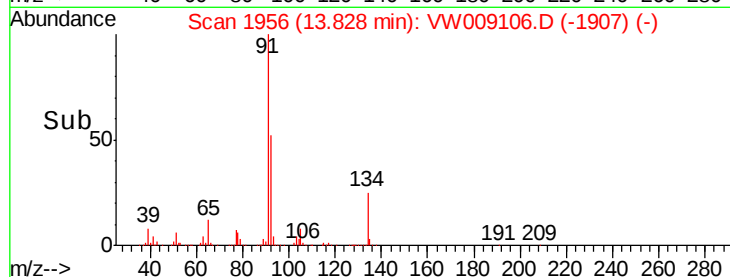
134 25.1 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.339 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009106.D

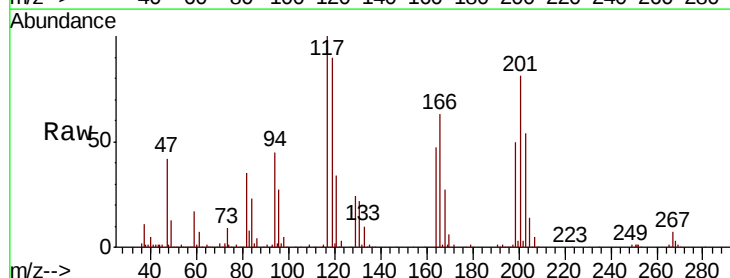
Acq: 12 Mar 2019 01:42

Tgt Ion: 117 Resp: 55437

Ion Ratio Lower Upper

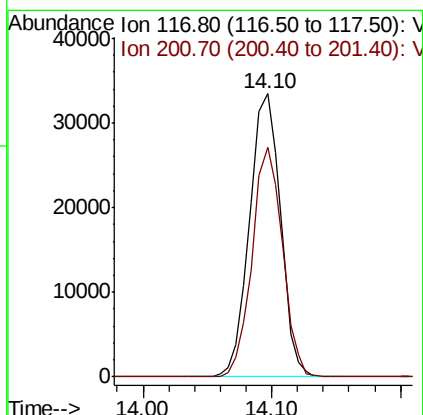
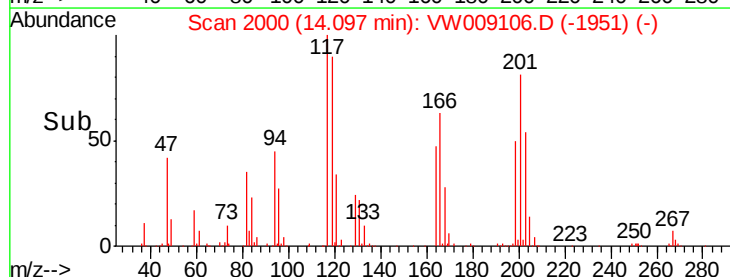
117 100

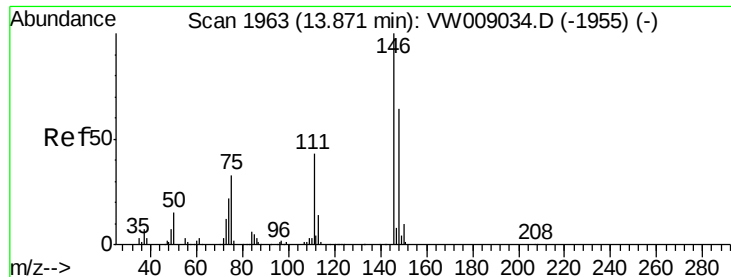
201 79.2 39.1 117.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.229 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

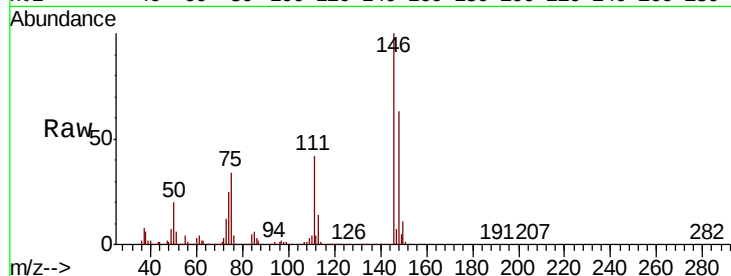
Tgt Ion:146 Resp: 140520

Ion Ratio Lower Upper

146 100

111 41.7 21.1 63.1

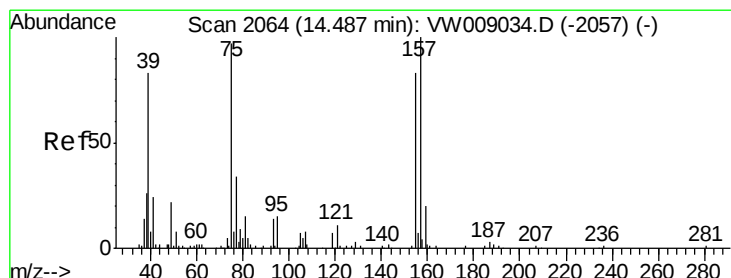
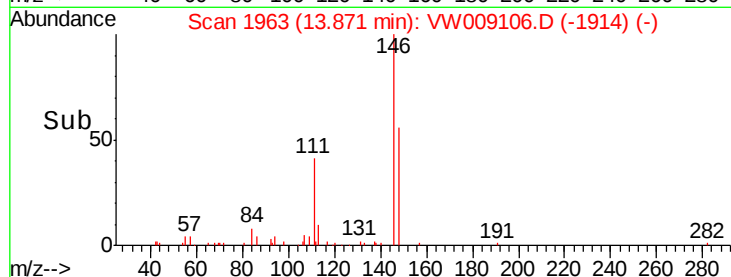
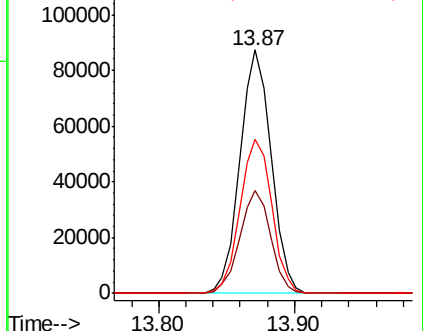
148 64.5 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.469 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

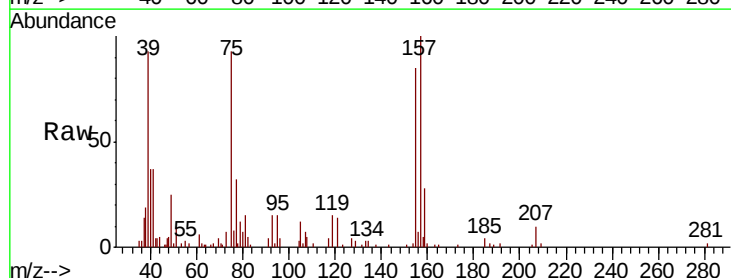
Tgt Ion: 75 Resp: 9435

Ion Ratio Lower Upper

75 100

155 90.3 40.8 122.4

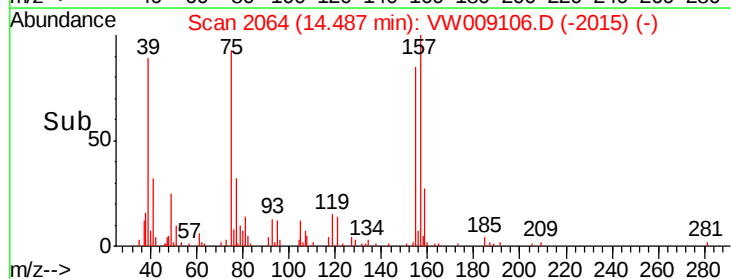
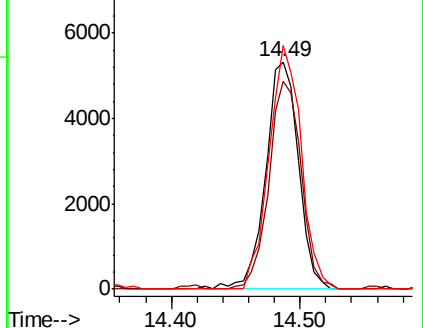
157 105.6 52.4 157.3

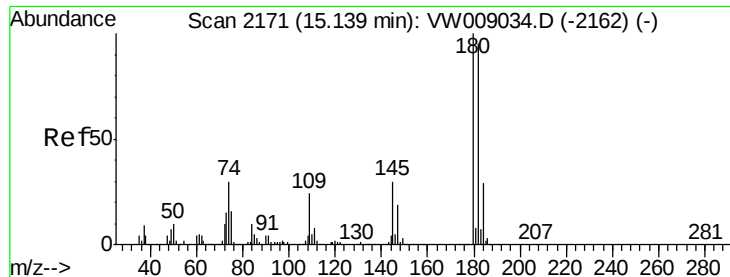


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

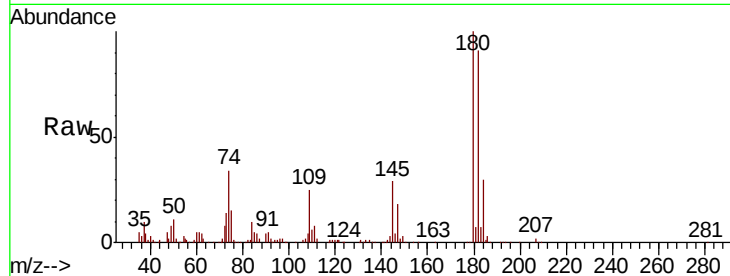




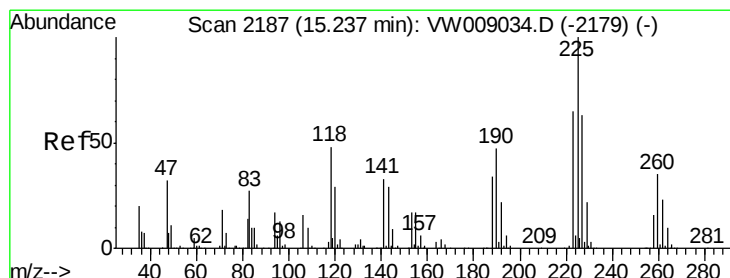
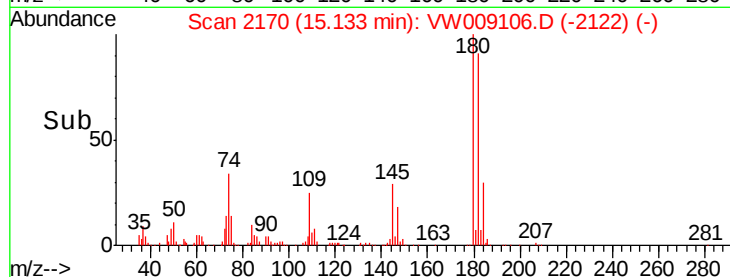
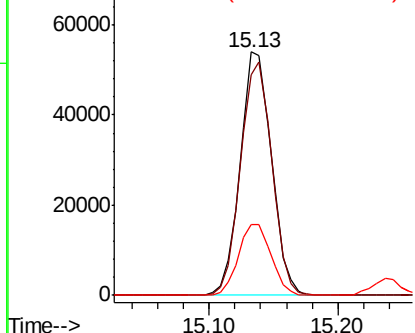
#93
 1,2,4-Trichlorobenzene
 Concen: 18.391 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD02

Tgt Ion:180 Resp: 90763
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.1 144.3
 145 30.4 15.4 46.1

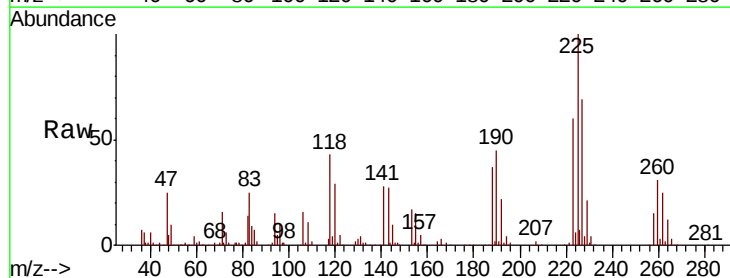


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

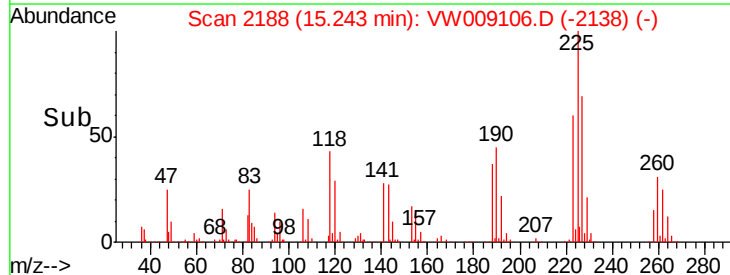
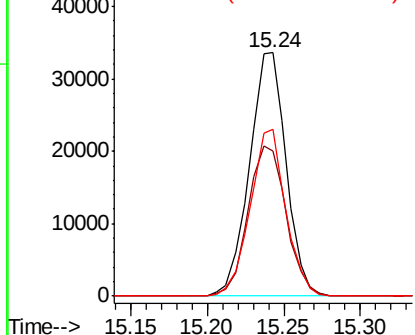


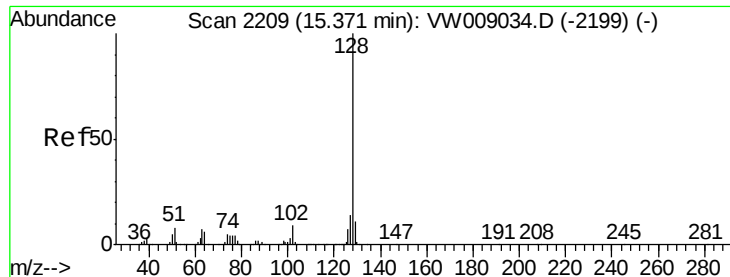
#94
 Hexachlorobutadiene
 Concen: 18.172 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion:225 Resp: 56175
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.6 94.8
 227 66.3 32.0 96.2



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

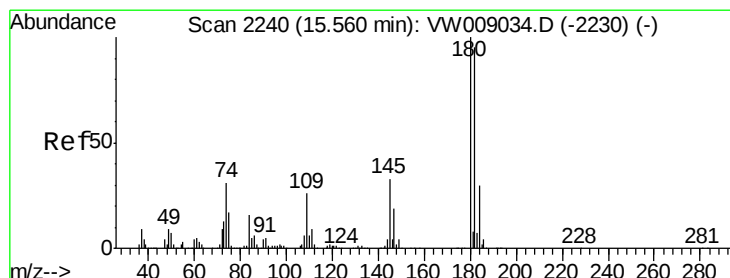
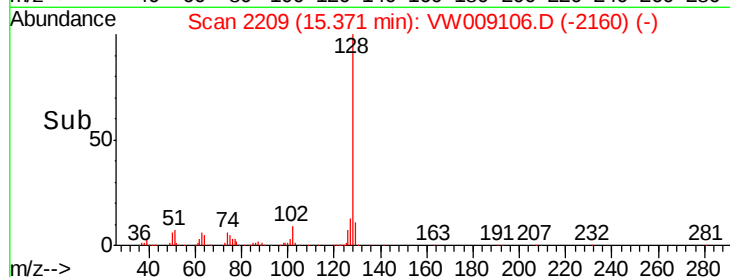
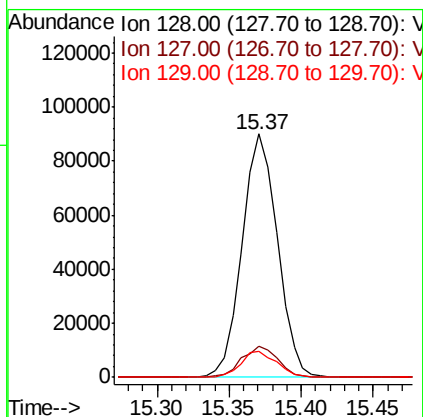
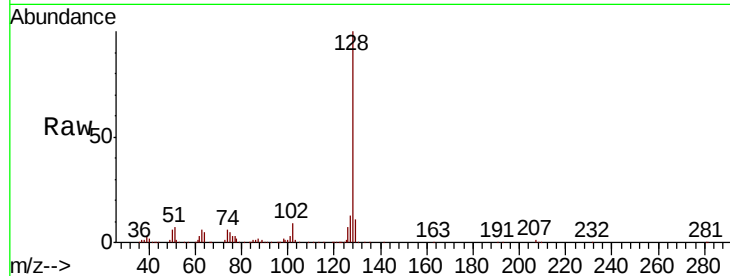




#95
Naphthalene
Concen: 18.987 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tgt Ion:128 Resp: 153393
Ion Ratio Lower Upper
128 100
127 13.3 11.0 16.6
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 17.984 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion:180 Resp: 78045
Ion Ratio Lower Upper
180 100
182 98.1 48.1 144.3
145 32.8 15.8 47.3

