

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011201.D
 Acq On : 10 Jul 2019 20:56
 Operator : SY/VA
 Sample : VW0711SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

Quant Time: Jul 11 08:07:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 10 06:41:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	203859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	345048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156353	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	137201	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
35) Dibromofluoromethane	7.88	113	104278	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
50) Toluene-d8	10.32	98	416164	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.62	95	154578	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	28806	18.946	ug/l	100
3) Chloromethane	2.20	50	39053	19.934	ug/l	96
4) Vinyl Chloride	2.36	62	49265	19.213	ug/l	95
5) Bromomethane	2.76	94	25780	20.008	ug/l	91
6) Chloroethane	2.91	64	26604	19.262	ug/l	94
7) Trichlorofluoromethane	3.24	101	14255	15.649	ug/l	97
8) Diethyl Ether	3.67	74	27013	21.432	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41515	19.027	ug/l	99
10) Methyl Iodide	4.27	142	58882	19.621	ug/l	99
11) Tert butyl alcohol	5.17	59	19260	101.556	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	43026	18.999	ug/l	89
13) Acrolein	3.89	56	14917	98.777	ug/l	100
14) Allyl chloride	4.66	41	76757	18.586	ug/l	100
15) Acrylonitrile	5.35	53	68846	107.251	ug/l	99
16) Acetone	4.12	43	59062	95.827	ug/l	97
17) Carbon Disulfide	4.38	76	118073	17.197	ug/l	100
18) Methyl Acetate	4.67	43	46633	24.194	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	74304	21.624	ug/l	97
20) Methylene Chloride	4.91	84	51847	21.324	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	46653	19.825	ug/l	97
22) Diisopropyl ether	6.31	45	188790	21.255	ug/l	99
23) Vinyl Acetate	6.25	43	553336	100.662	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95410	20.456	ug/l	100
25) 2-Butanone	7.17	43	101899	105.323	ug/l	96
26) 2,2-Dichloropropane	7.16	77	42317	17.454	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	51764	20.392	ug/l	99
28) Bromochloromethane	7.51	49	44851	21.148	ug/l	99
29) Tetrahydrofuran	7.52	42	68493	107.966	ug/l	100
30) Chloroform	7.67	83	89118	20.631	ug/l	99
31) Cyclohexane	7.95	56	92316	18.604	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	63631	19.365	ug/l	99
36) 1,1-Dichloropropene	8.08	75	68907	18.753	ug/l	99
37) Ethyl Acetate	7.25	43	46755	21.178	ug/l	99
38) Carbon Tetrachloride	8.06	117	56865	18.256	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	82256	18.470	ug/l	96
40) Benzene	8.32	78	202228	19.915	ug/l	99
41) Methacrylonitrile	7.48	41	25732	20.379	ug/l	99
42) 1,2-Dichloroethane	8.40	62	69154	20.993	ug/l	100
43) Isopropyl Acetate	8.42	43	86596	20.776	ug/l	100
44) Trichloroethene	9.09	130	47532	19.451	ug/l	100
45) 1,2-Dichloropropane	9.37	63	56046	20.381	ug/l	98
46) Dibromomethane	9.46	93	27180	21.041	ug/l	99
47) Bromodichloromethane	9.64	83	65104	19.698	ug/l	96
48) Methyl methacrylate	9.43	41	41404	20.648	ug/l	96
49) 1,4-Dioxane	9.45	88	8877	411.705	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	232094	106.597	ug/l	99
52) Toluene	10.38	92	123055	19.977	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	67155	19.088	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	79778	19.265	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	38938	21.248	ug/l	96
56) Ethyl methacrylate	10.64	69	57054	20.449	ug/l	99
57) 1,3-Dichloropropane	10.93	76	72681	20.974	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	155655	120.341	ug/l	99
59) 2-Hexanone	10.97	43	156917	103.921	ug/l	99
60) Dibromochloromethane	11.13	129	40058	19.934	ug/l	99
61) 1,2-Dibromoethane	11.23	107	36252	20.884	ug/l	98
64) Tetrachloroethene	10.86	164	42381	20.144	ug/l	97
65) Chlorobenzene	11.66	112	126956	20.028	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	43895	19.667	ug/l	98
67) Ethyl Benzene	11.73	91	234132	19.294	ug/l	98
68) m/p-Xylenes	11.84	106	171039	38.952	ug/l	99
69) o-Xylene	12.16	106	81403	19.669	ug/l	99
70) Styrene	12.18	104	142068	19.891	ug/l	99
71) Bromoform	12.35	173	22324	18.812	ug/l #	99
73) Isopropylbenzene	12.46	105	220123	18.833	ug/l	99
74) N-amyl acetate	12.27	43	80934	19.882	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47564	19.853	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	60646	33.564	ug/l #	100
77) Bromobenzene	12.74	156	50789	19.363	ug/l	99
78) n-propylbenzene	12.80	91	270853	18.812	ug/l	99
79) 2-Chlorotoluene	12.89	91	158119	19.084	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	190080	19.143	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13684	17.130	ug/l	96
82) 4-Chlorotoluene	12.99	91	168549	19.531	ug/l	99
83) tert-Butylbenzene	13.21	119	156420	18.889	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	192237	19.281	ug/l	99
85) sec-Butylbenzene	13.38	105	223508	18.705	ug/l	100
86) p-Isopropyltoluene	13.50	119	199575	18.621	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	99338	19.684	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	98336	19.350	ug/l	97
89) n-Butylbenzene	13.82	91	198407	18.557	ug/l	99
90) Hexachloroethane	14.09	117	34946	17.843	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	89993	19.656	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7994	18.811	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Jul 10 06:41:08 2019
Response via : Initial Calibration

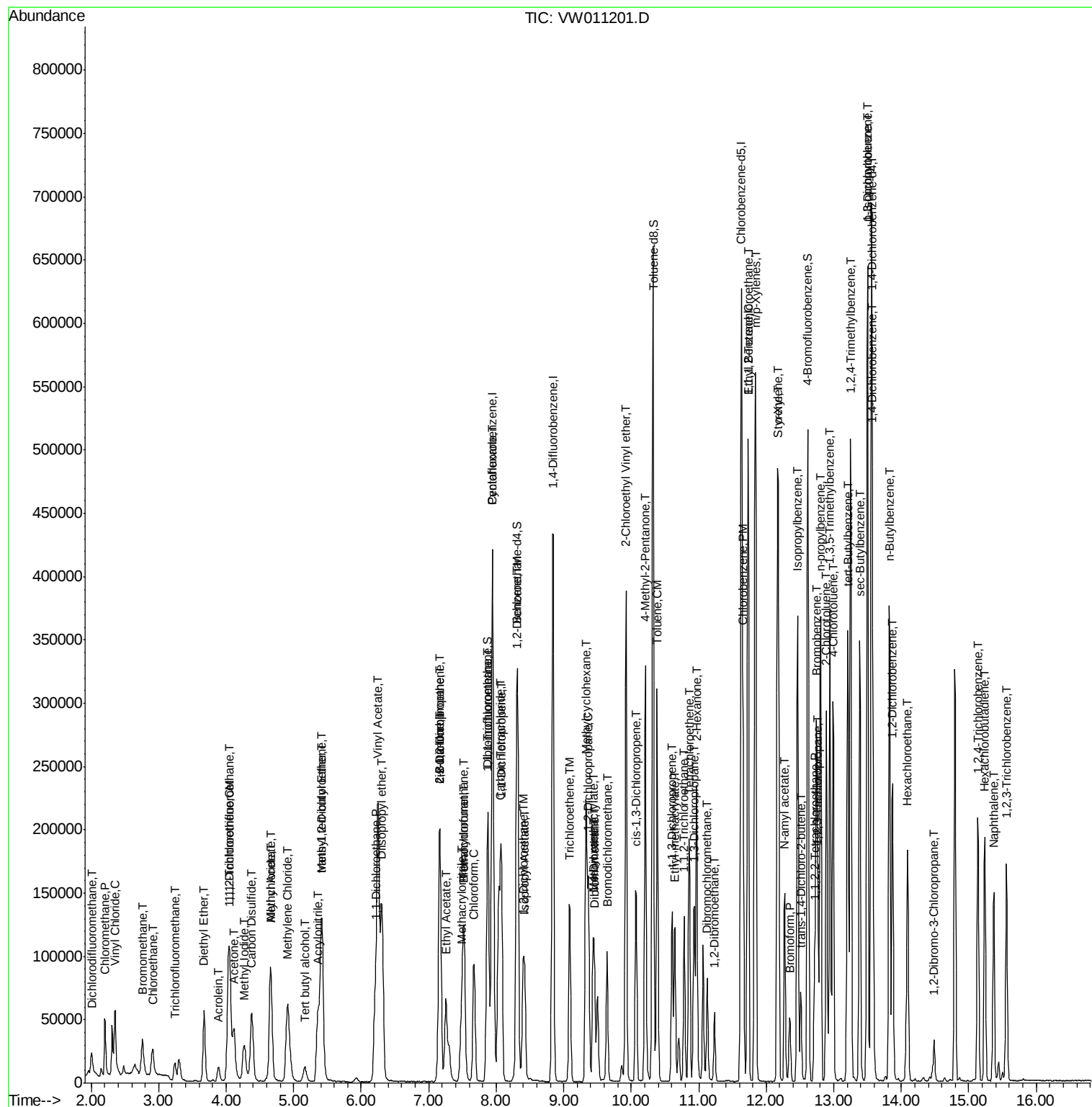
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62753	19.900	ug/l	98
94) Hexachlorobutadiene	15.24	225	37133	19.180	ug/l	99
95) Naphthalene	15.37	128	122258	20.232	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	56444	20.281	ug/l	99

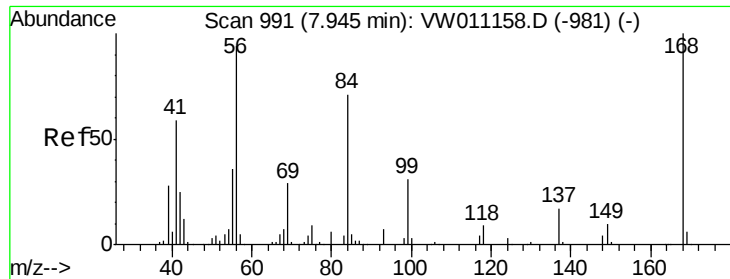
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

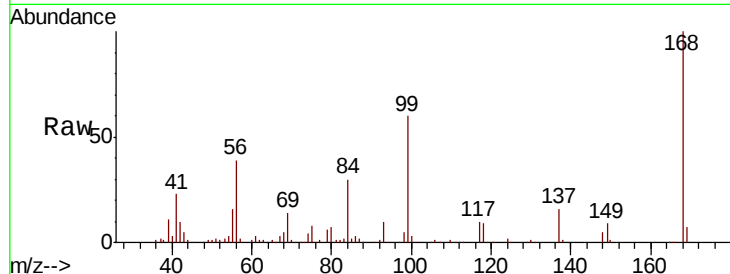
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion:168 Resp: 203859

Ion Ratio Lower Upper

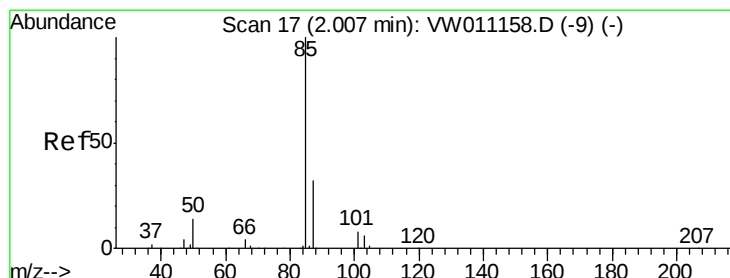
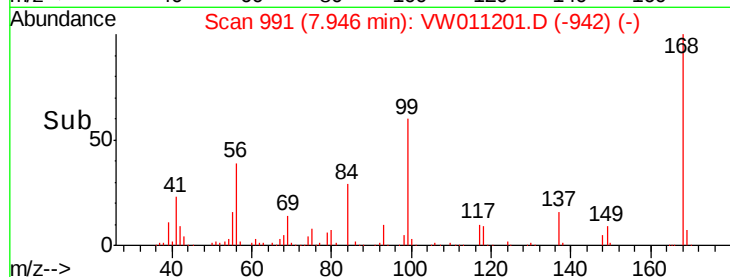
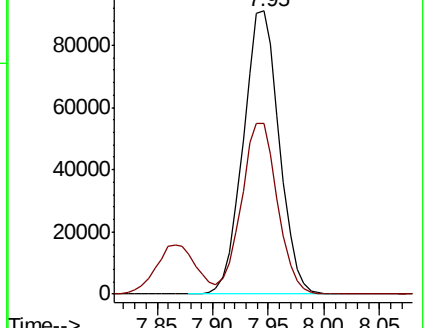
168 100

99 60.1 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): VW011158.D (-981) (-)

Ion 98.90 (98.60 to 99.60): VW011158.D (-981) (-)



#2

Dichlorodifluoromethane

Concen: 18.946 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW011201.D

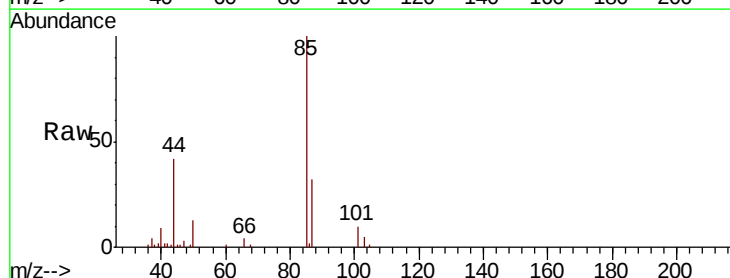
Acq: 10 Jul 2019 20:56

Tgt Ion: 85 Resp: 28806

Ion Ratio Lower Upper

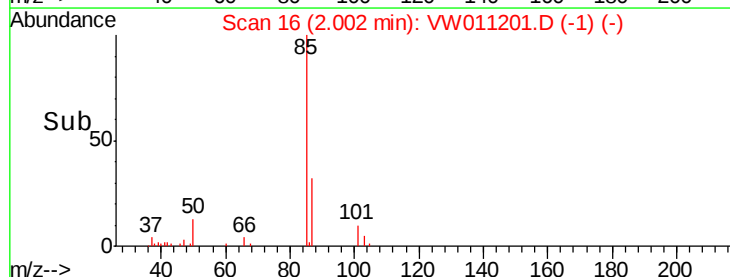
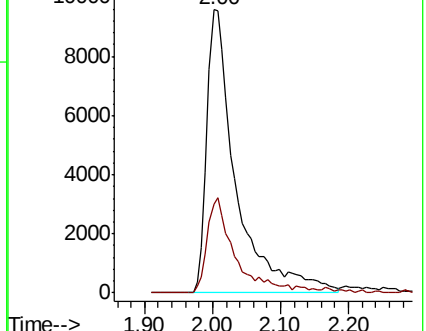
85 100

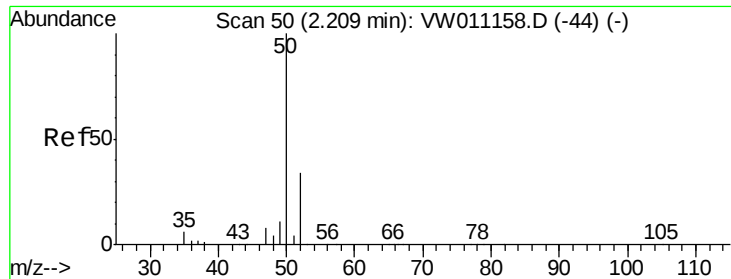
87 31.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW011158.D (-9) (-)

Ion 86.90 (86.60 to 87.60): VW011158.D (-9) (-)





#3

Chloromethane

Concen: 19.934 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

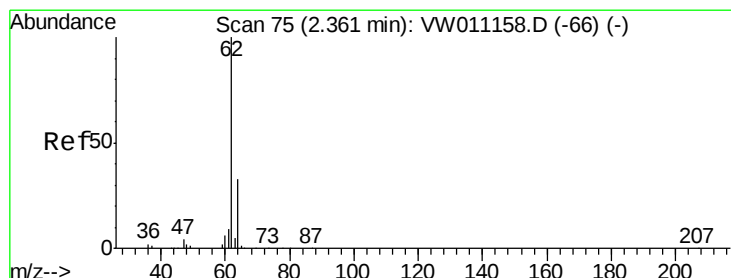
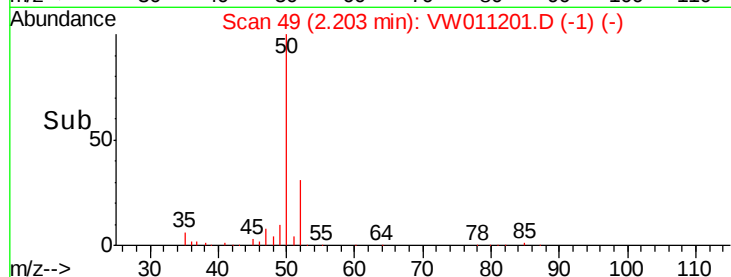
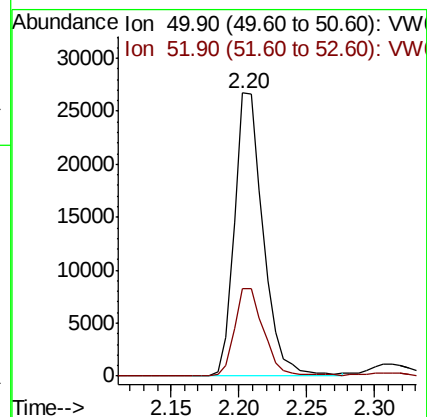
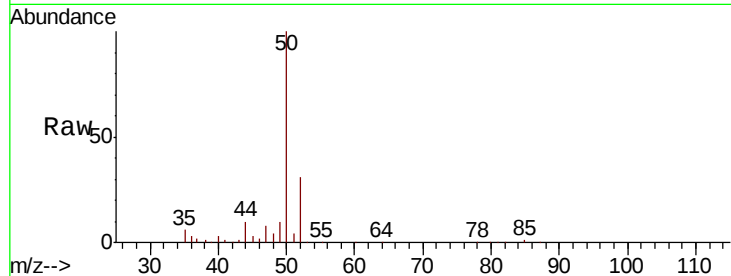
VW0711SBSD01

Tot Ion: 50 Resp: 39053

Ion Ratio Lower Upper

50 100

52 31.1 26.9 40.3



#4

Vinyl Chloride

Concen: 19.213 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011201.D

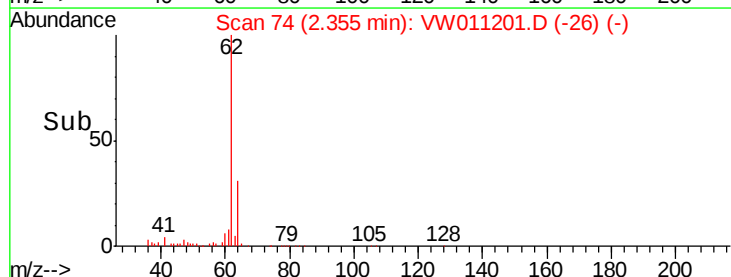
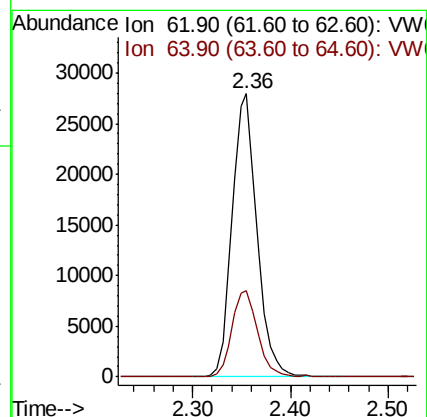
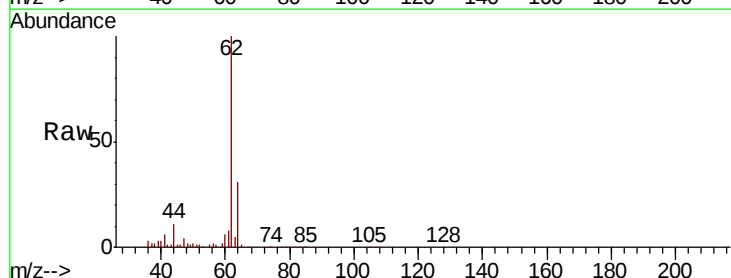
Acq: 10 Jul 2019 20:56

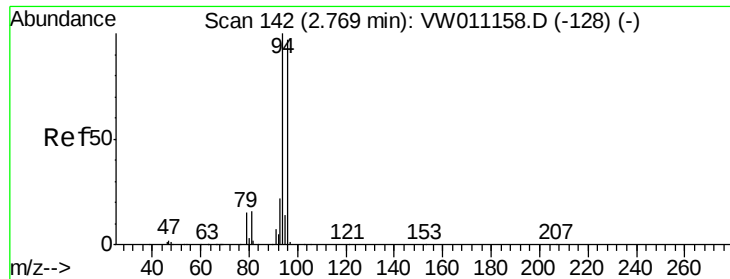
Tgt Ion: 62 Resp: 49265

Ion Ratio Lower Upper

62 100

64 30.6 26.6 40.0





#5

Bromomethane

Concen: 20.008 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

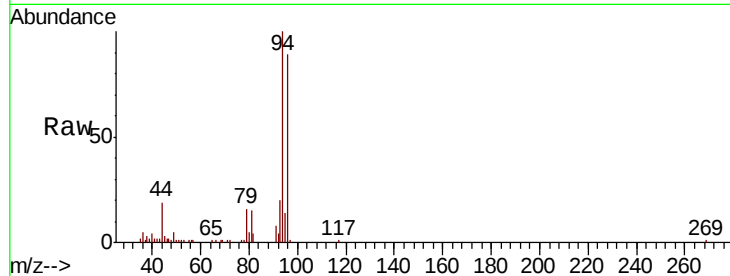
VW0711SBSD01

Tot Ion: 94 Resp: 25780

Ion Ratio Lower Upper

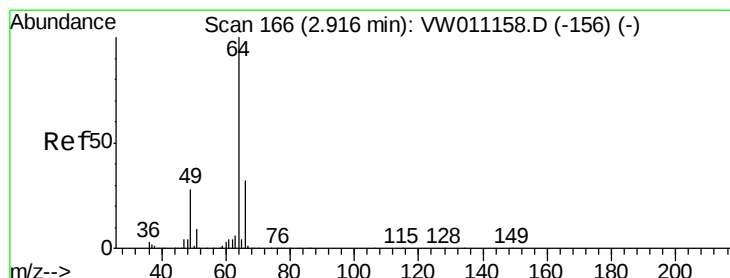
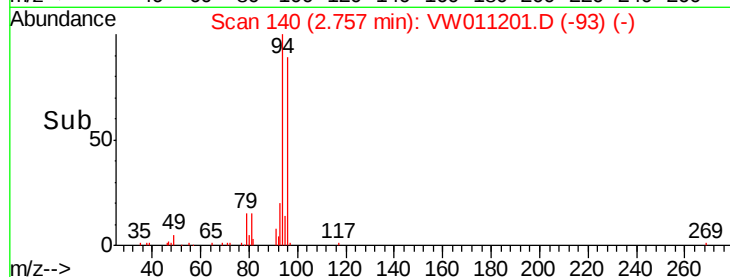
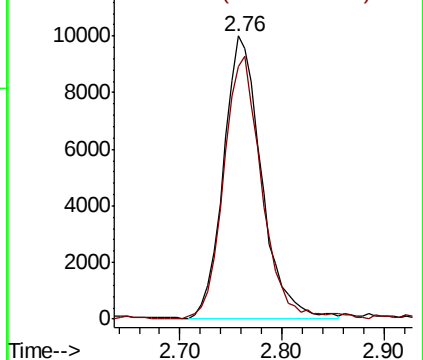
94 100

96 88.2 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.262 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011201.D

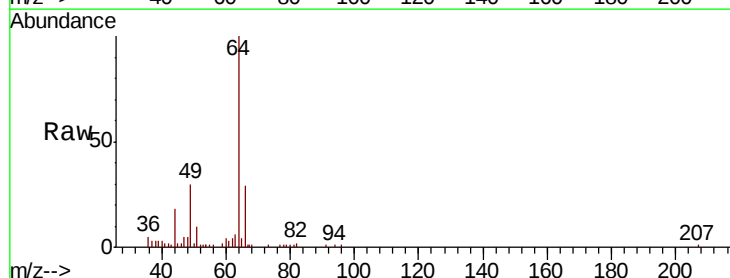
Acq: 10 Jul 2019 20:56

Tgt Ion: 64 Resp: 26604

Ion Ratio Lower Upper

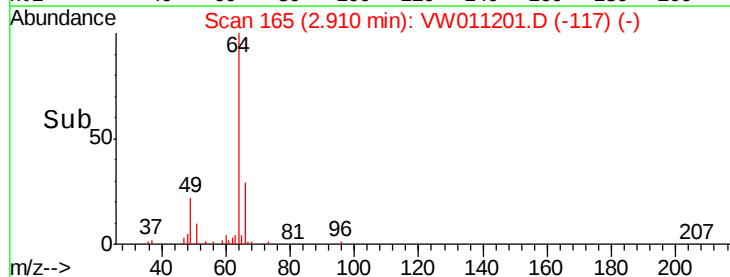
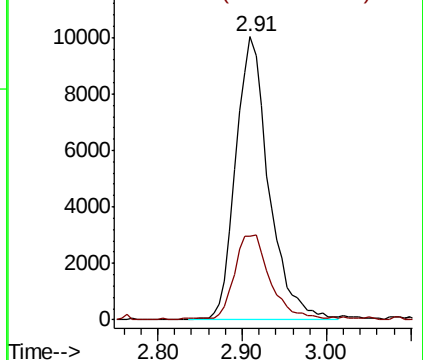
64 100

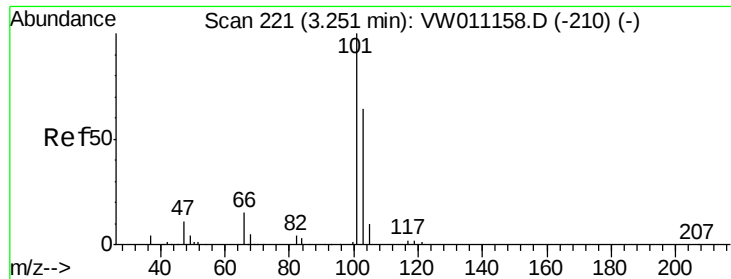
66 28.9 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



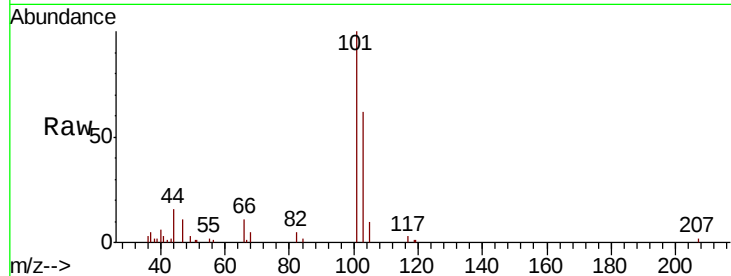


#7

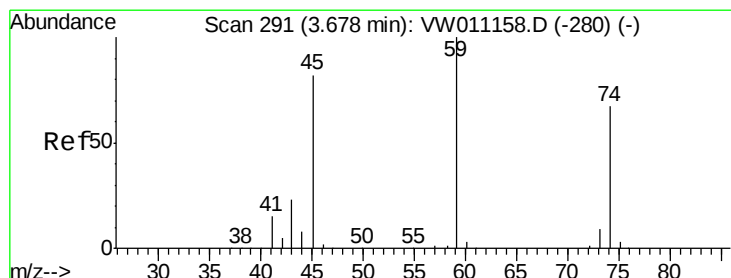
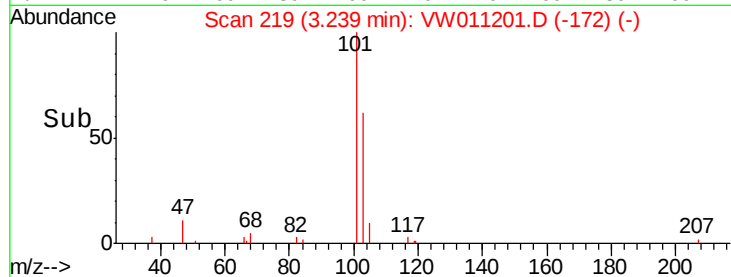
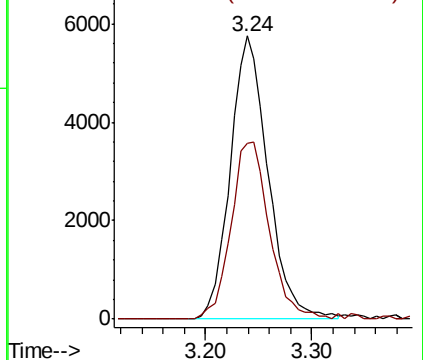
Trichlorofluoromethane
 Concen: 15.649 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Instrument :
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Tot Ion:101 Resp: 14255
 Ion Ratio Lower Upper
 101 100
 103 61.9 51.3 76.9



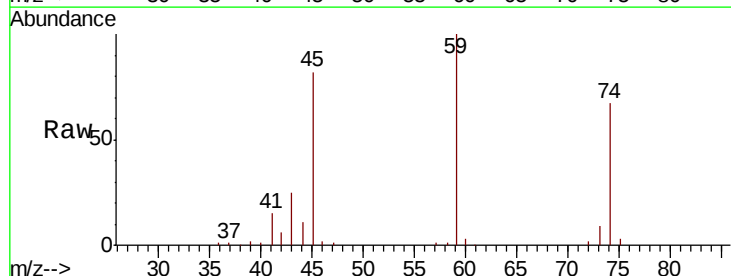
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



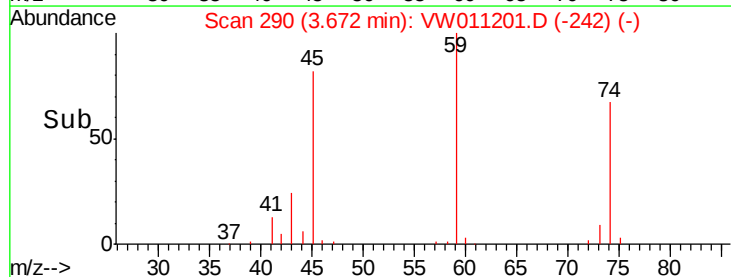
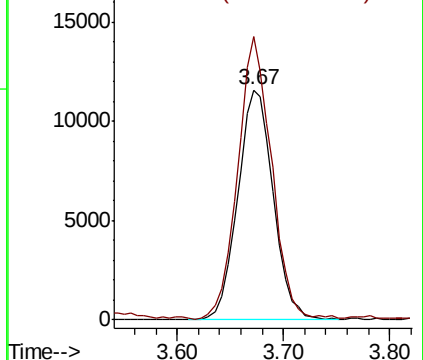
#8

Diethyl Ether
 Concen: 21.432 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion: 74 Resp: 27013
 Ion Ratio Lower Upper
 74 100
 45 117.2 59.9 179.7



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.027 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

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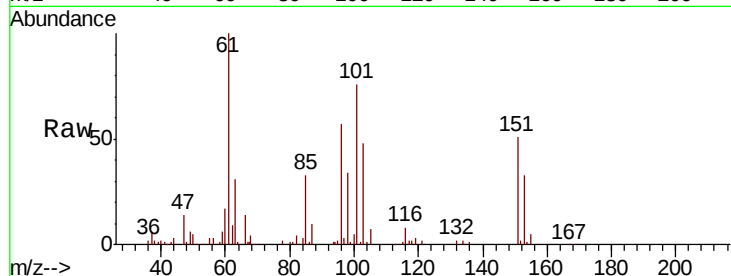
Tot Ion:101 Resp: 41515

Ion Ratio Lower Upper

101 100

85 45.2 36.5 54.7

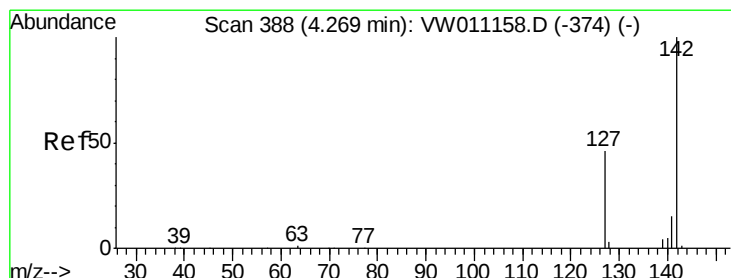
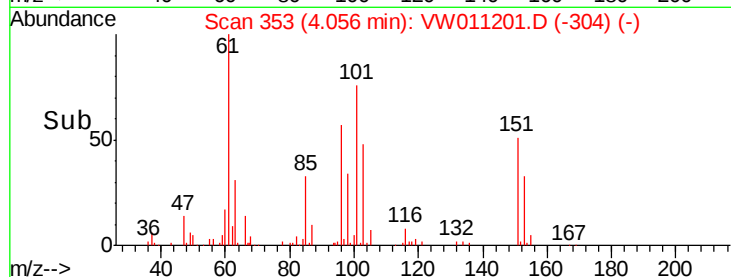
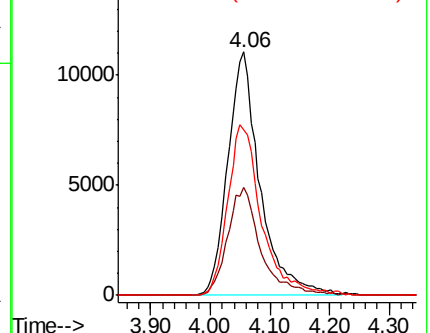
151 73.1 59.1 88.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.621 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

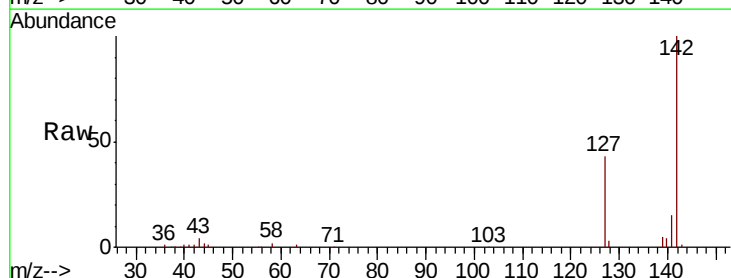
Tgt Ion:142 Resp: 58882

Ion Ratio Lower Upper

142 100

127 44.9 35.7 53.5

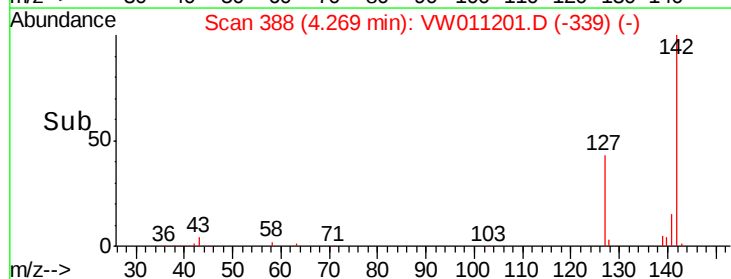
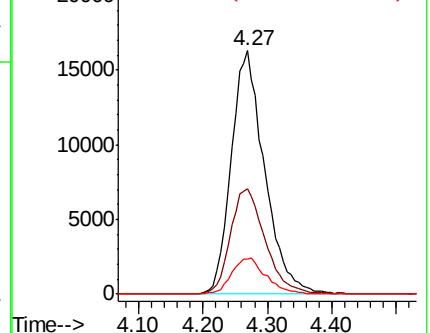
141 15.2 11.5 17.3

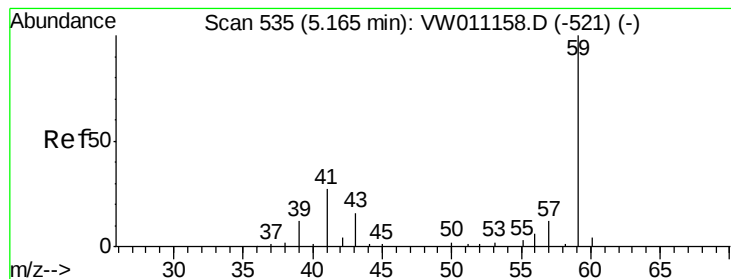


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



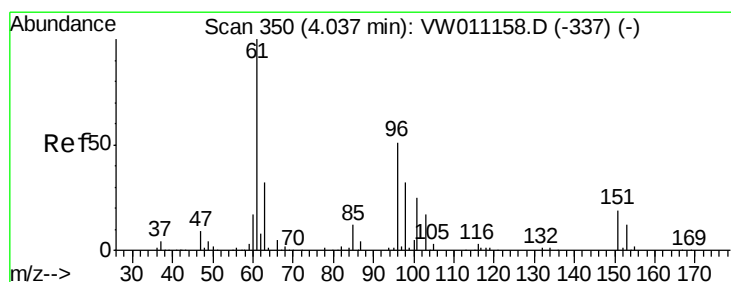
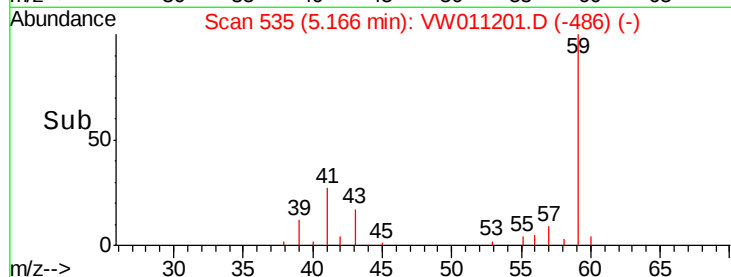
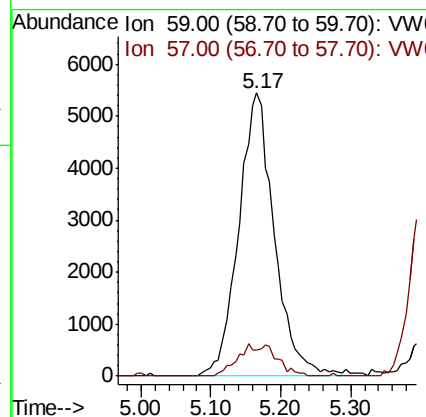
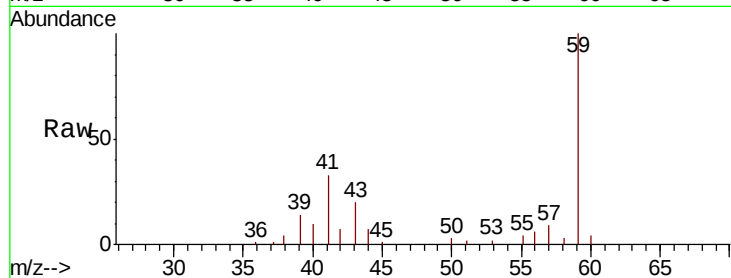


#11

Tert butyl alcohol
 Concen: 101.556 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

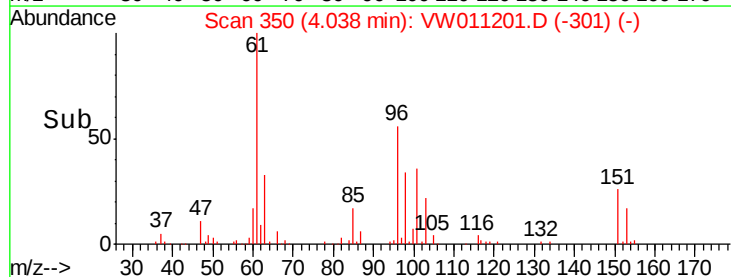
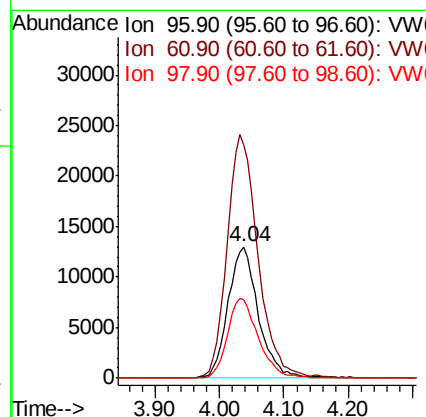
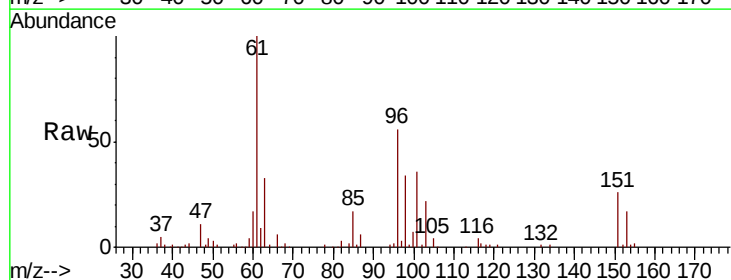
Tot Ion: 59 Resp: 19260
 Ion Ratio Lower Upper
 59 100
 57 6.3 9.0 13.6#

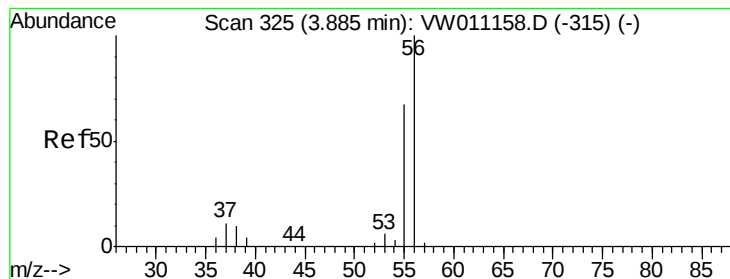


#12

1,1-Dichloroethene
 Concen: 18.999 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion: 96 Resp: 43026
 Ion Ratio Lower Upper
 96 100
 61 178.0 157.7 236.5
 98 60.3 50.9 76.3





#13

Acrolein

Concen: 98.777 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

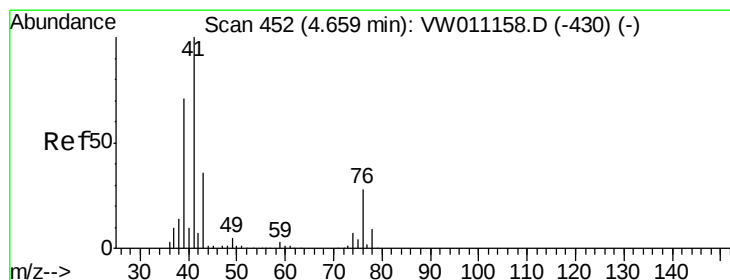
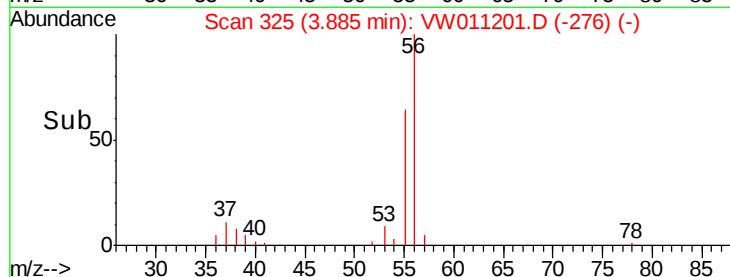
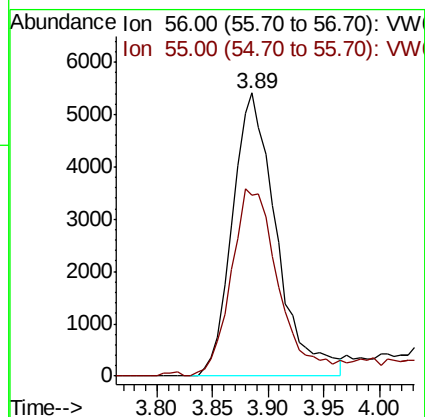
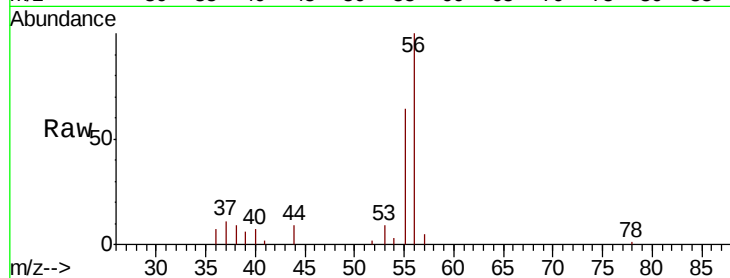
VW0711SBSD01

Tot Ion: 56 Resp: 14917

Ion Ratio Lower Upper

56 100

55 70.5 56.4 84.6



#14

Allyl chloride

Concen: 18.586 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

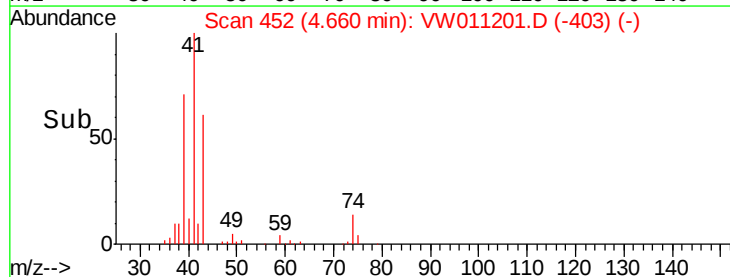
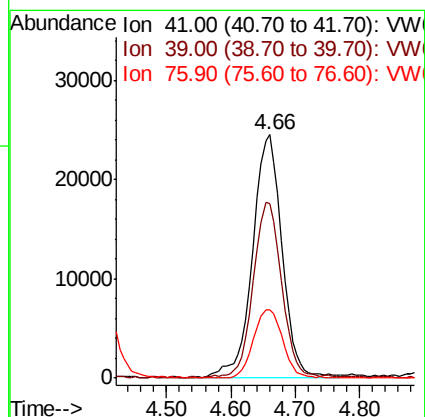
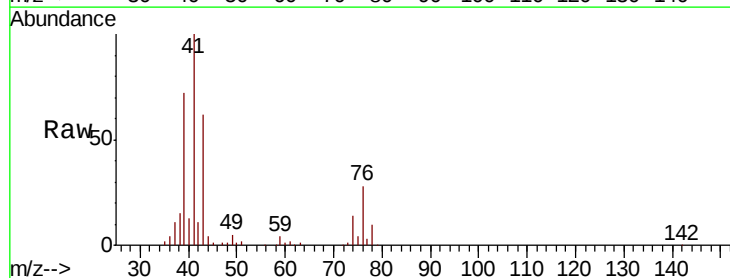
Tgt Ion: 41 Resp: 76757

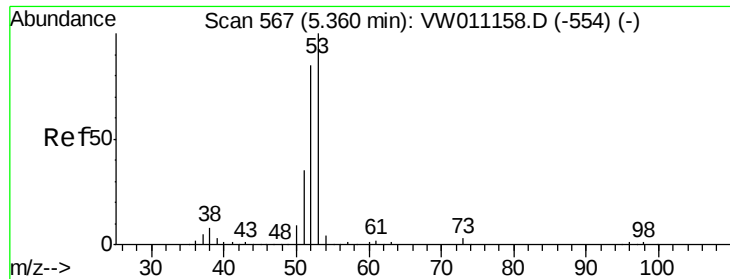
Ion Ratio Lower Upper

41 100

39 69.1 55.1 82.7

76 28.0 22.5 33.7





#15

Acrylonitrile

Concen: 107.251 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

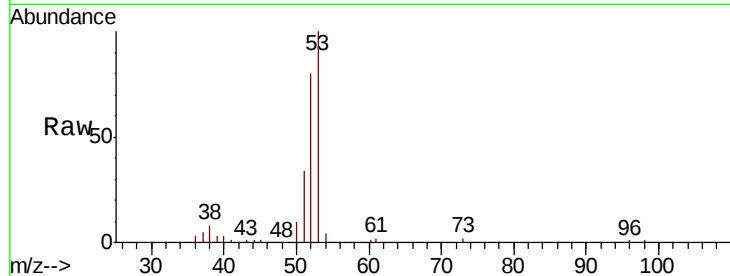
Tot Ion: 53 Resp: 68846

Ion Ratio Lower Upper

53 100

52 83.5 66.2 99.4

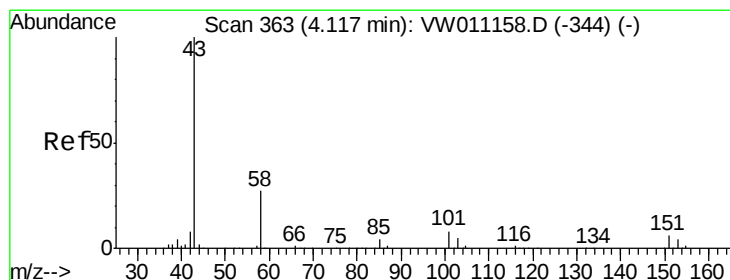
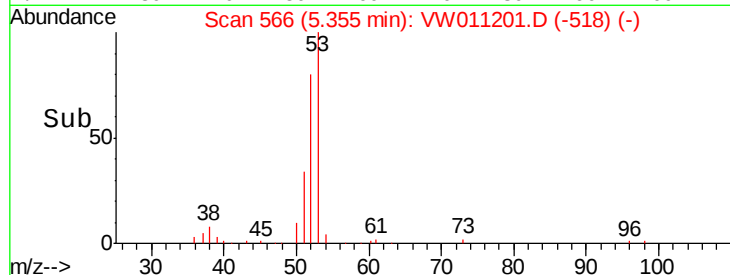
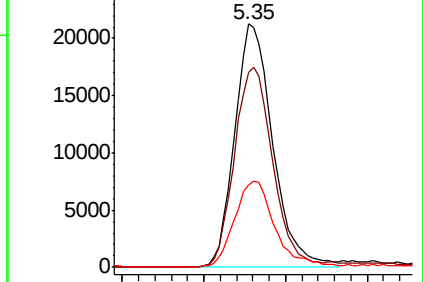
51 37.8 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 95.827 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011201.D

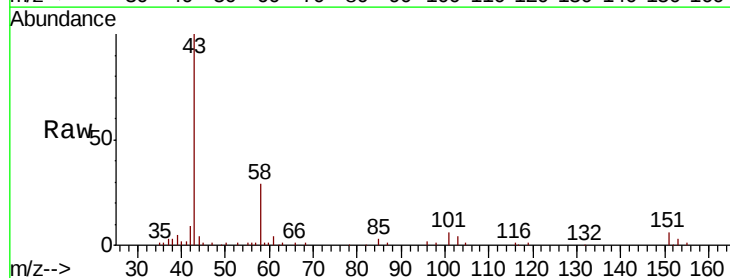
Acq: 10 Jul 2019 20:56

Tgt Ion: 43 Resp: 59062

Ion Ratio Lower Upper

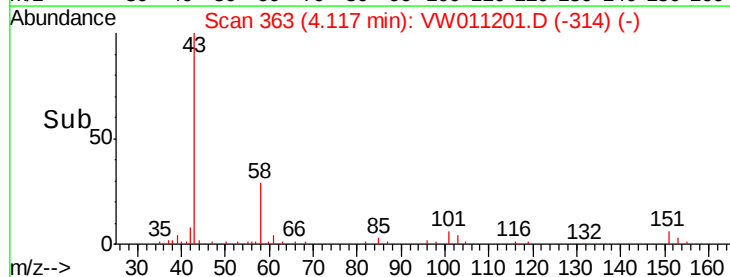
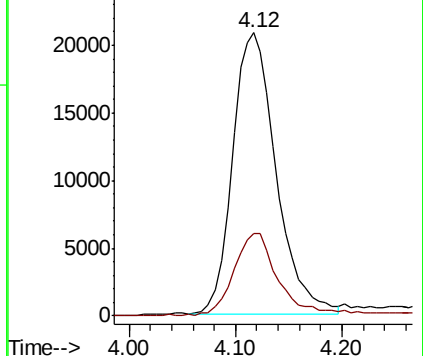
43 100

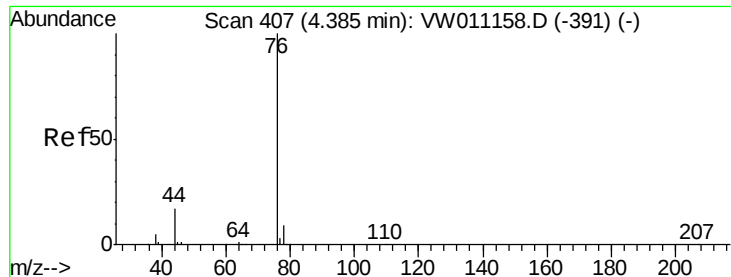
58 28.7 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 17.197 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

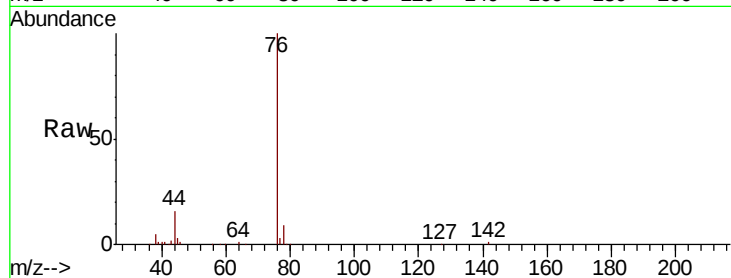
VW0711SBSD01

Tot Ion: 76 Resp: 118073

Ion Ratio Lower Upper

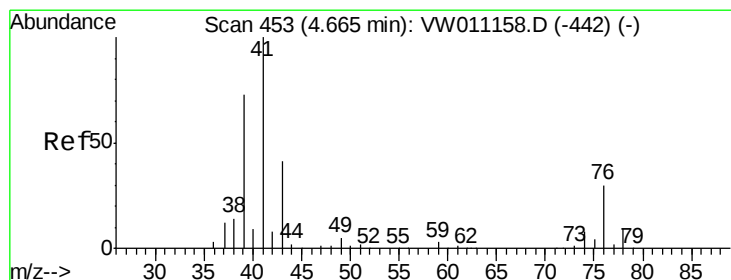
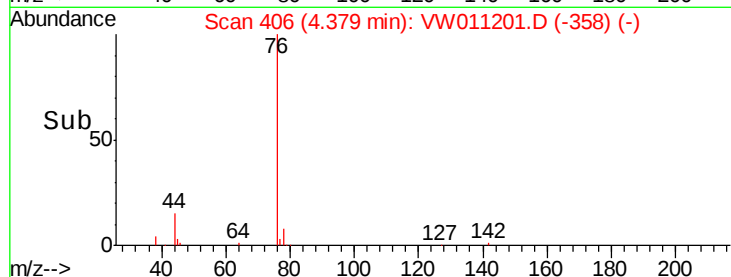
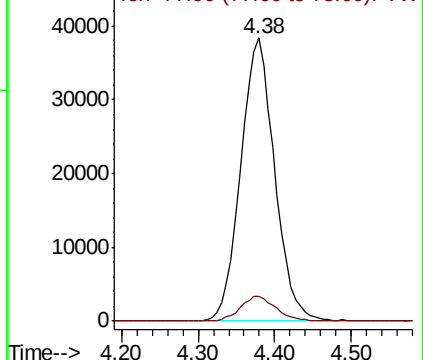
76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 24.194 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011201.D

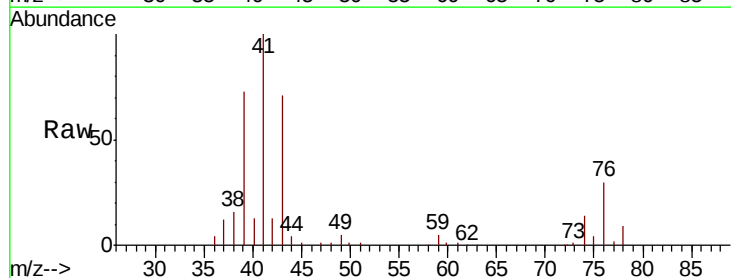
Acq: 10 Jul 2019 20:56

Tgt Ion: 43 Resp: 46633

Ion Ratio Lower Upper

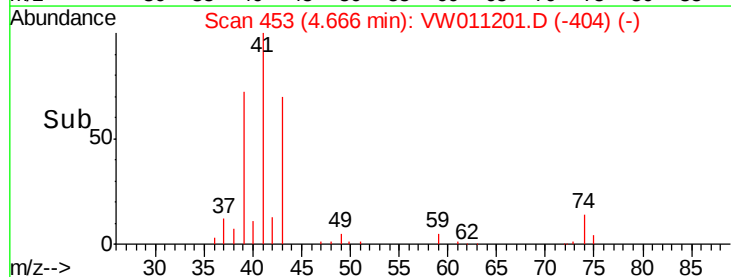
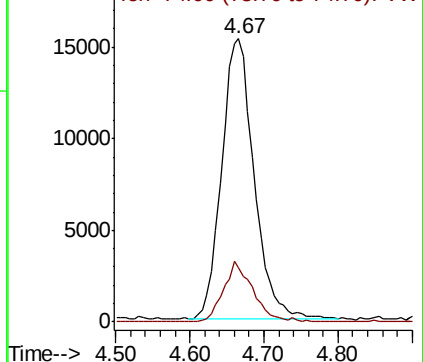
43 100

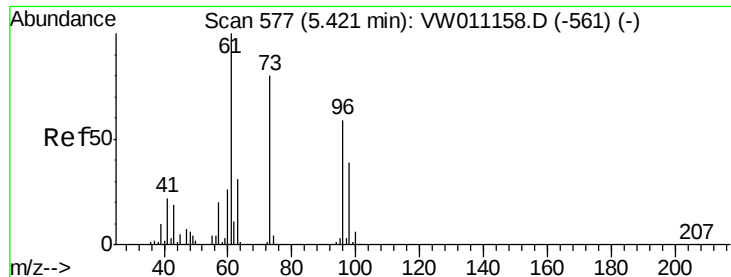
74 19.2 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

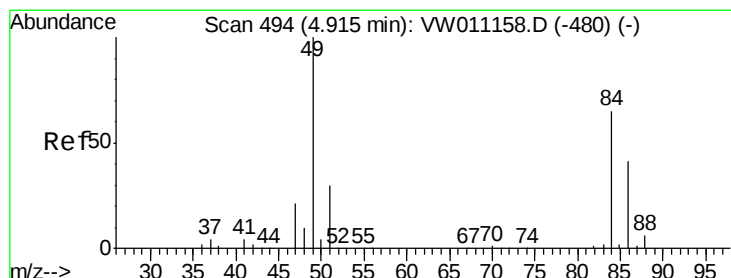
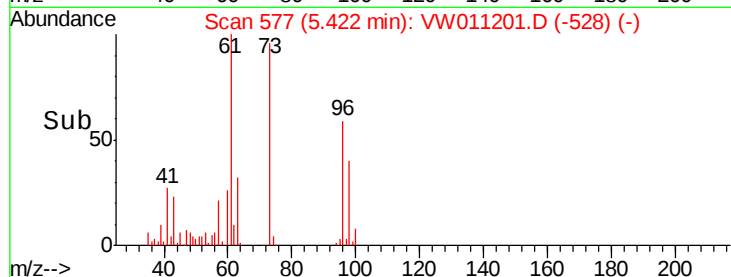
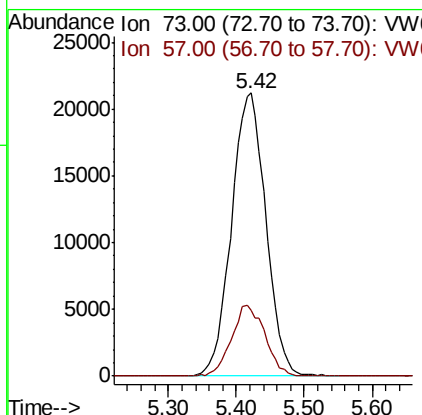
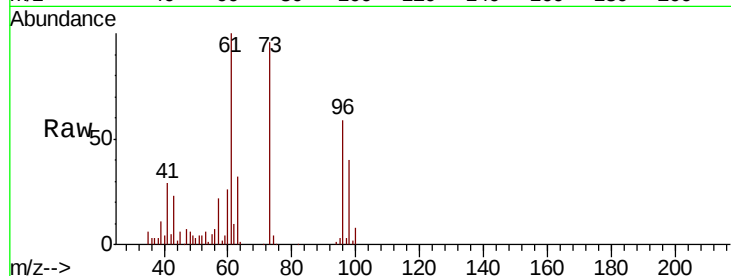




#19
Methyl tert-butyl Ether
Concen: 21.624 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

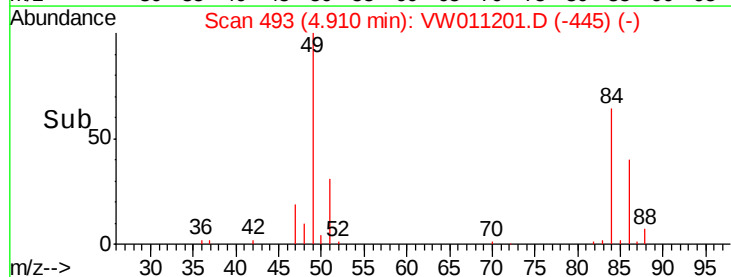
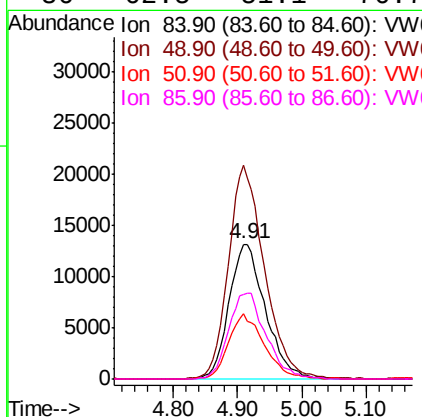
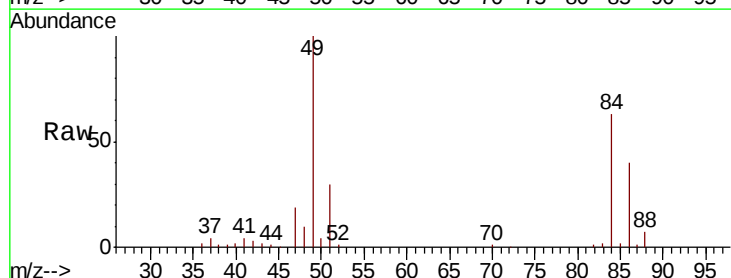
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

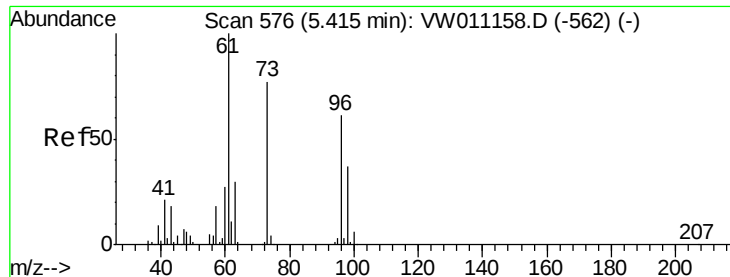
Tot Ion: 73 Resp: 74304
Ion Ratio Lower Upper
73 100
57 23.1 19.7 29.5



#20
Methylene Chloride
Concen: 21.324 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion: 84 Resp: 51847
Ion Ratio Lower Upper
84 100
49 157.6 123.8 185.6
51 48.0 37.4 56.2
86 62.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.825 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

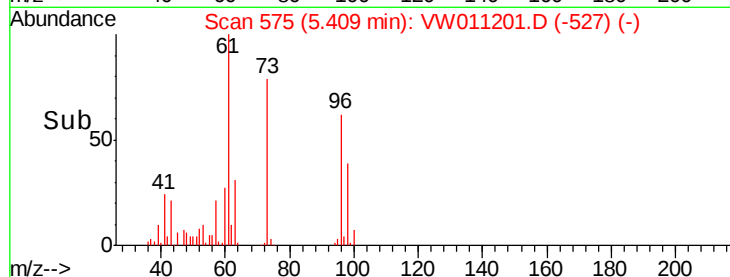
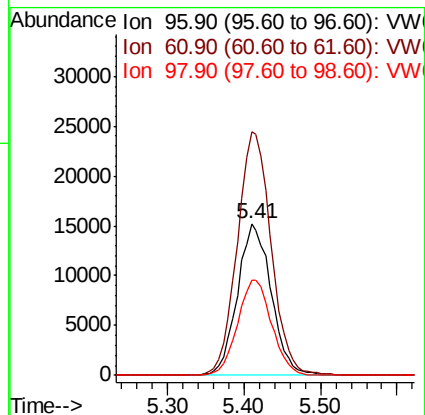
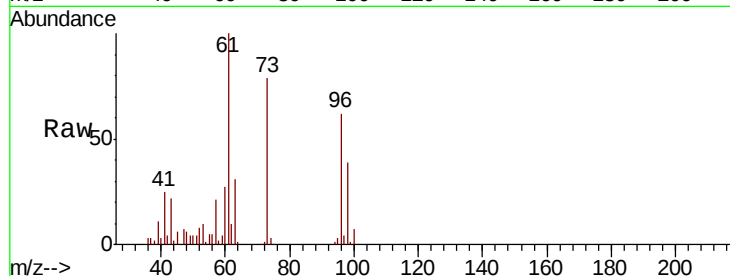
Tot Ion: 96 Resp: 46653

Ion Ratio Lower Upper

96 100

61 160.7 132.2 198.2

98 62.8 49.4 74.0



#22

Diisopropyl ether

Concen: 21.255 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Tgt Ion: 45 Resp: 188790

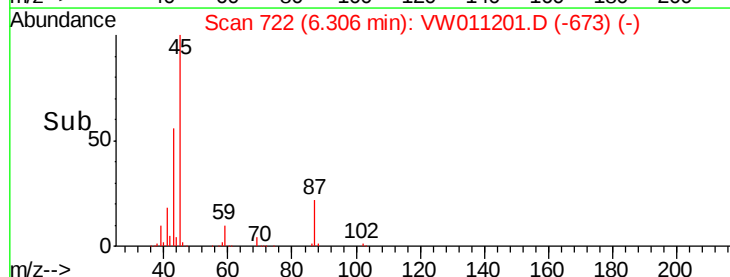
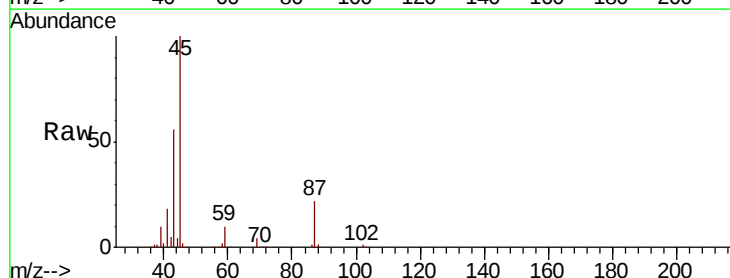
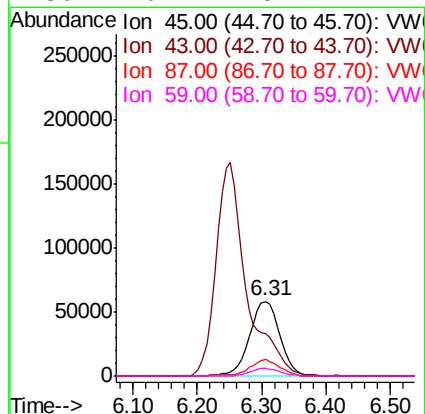
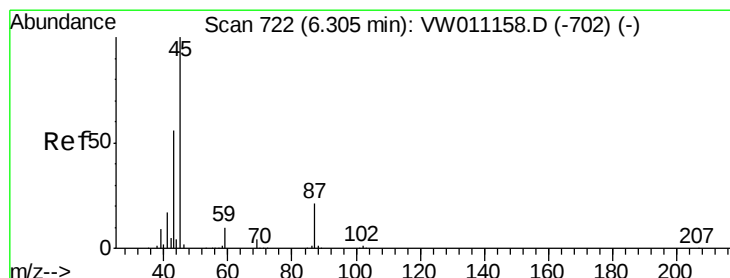
Ion Ratio Lower Upper

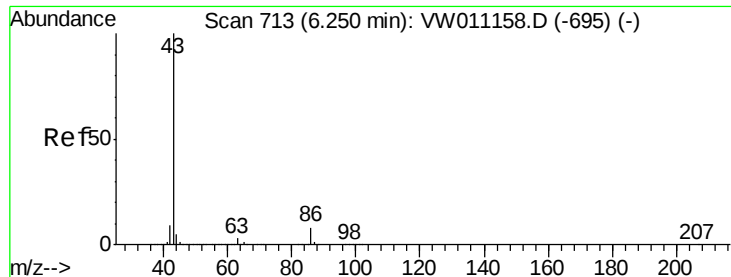
45 100

43 55.1 44.6 66.8

87 21.7 17.3 25.9

59 10.2 8.2 12.2





#23

Vinyl Acetate

Concen: 100.662 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

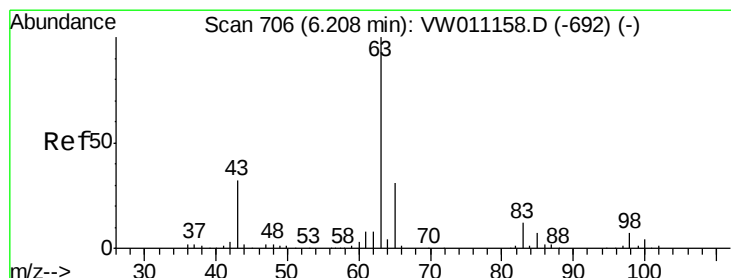
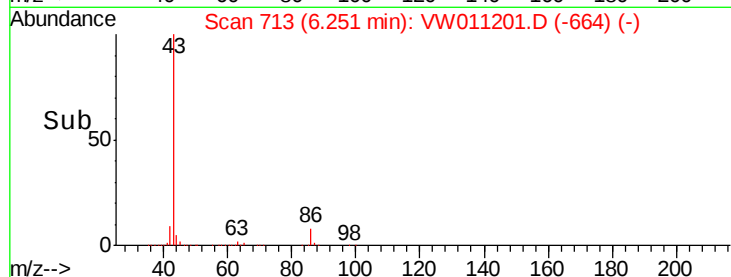
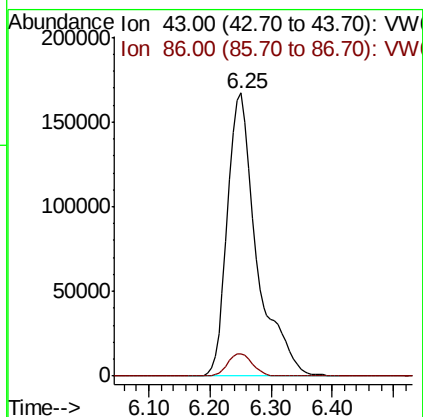
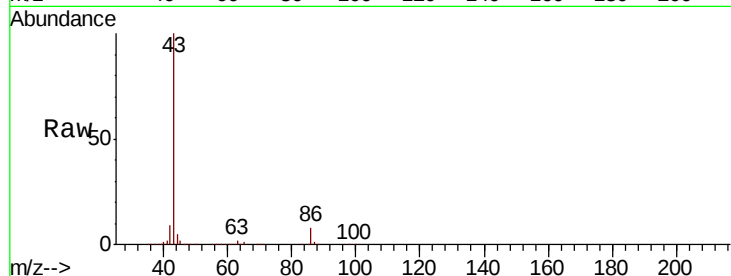
VW0711SBSD01

Tot Ion: 43 Resp: 553336

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



#24

1,1-Dichloroethane

Concen: 20.456 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

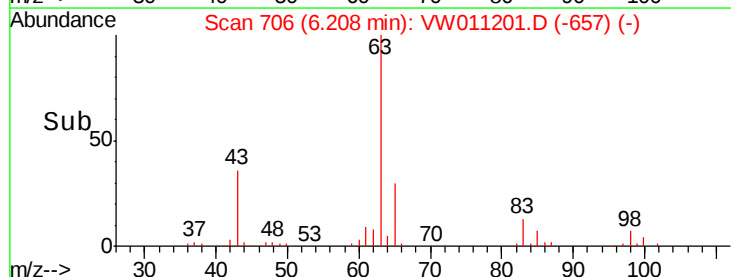
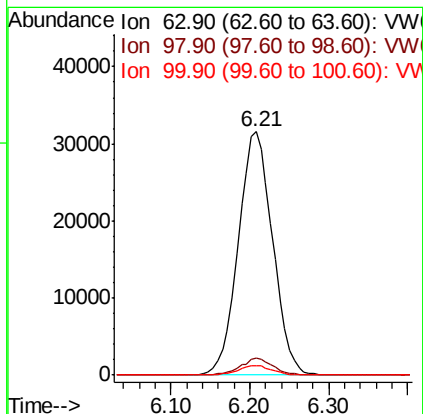
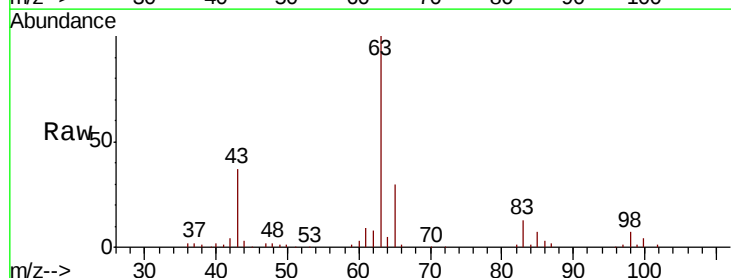
Tgt Ion: 63 Resp: 95410

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 105.323 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

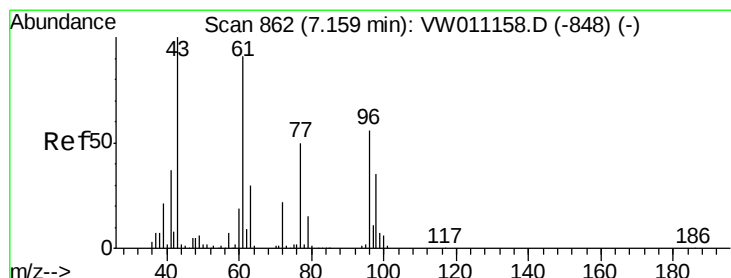
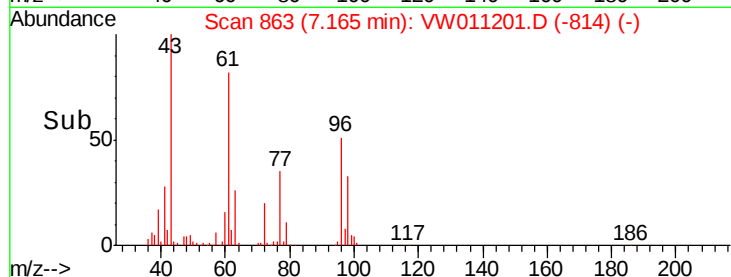
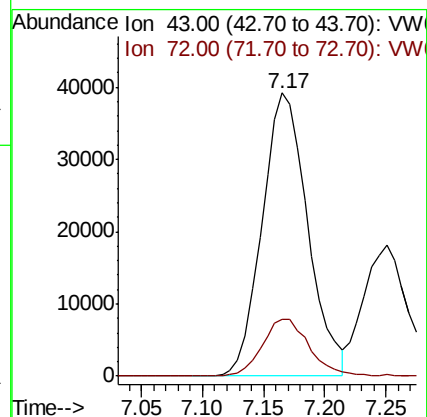
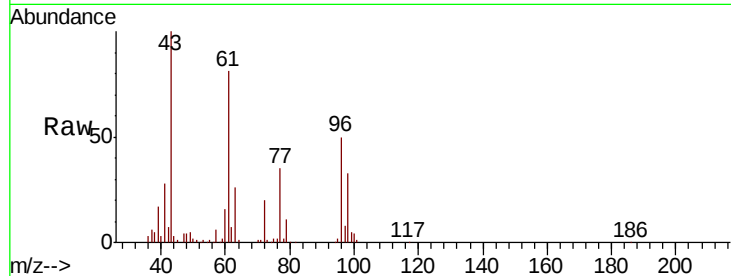
VW0711SBSD01

Tot Ion: 43 Resp: 101899

Ion Ratio Lower Upper

43 100

72 20.2 17.6 26.4



#26

2,2-Dichloropropane

Concen: 17.454 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011201.D

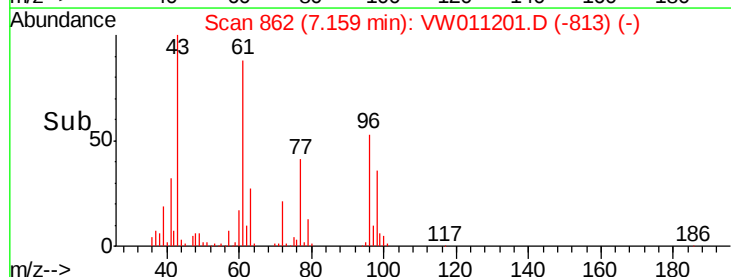
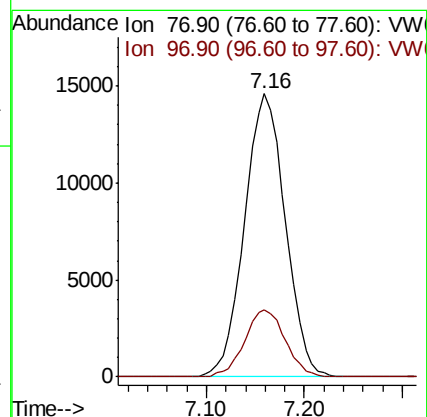
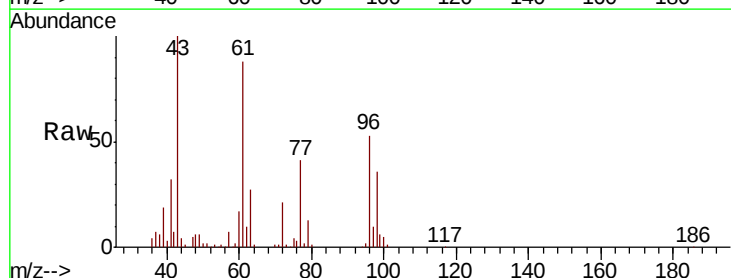
Acq: 10 Jul 2019 20:56

Tgt Ion: 77 Resp: 42317

Ion Ratio Lower Upper

77 100

97 23.7 11.2 33.5



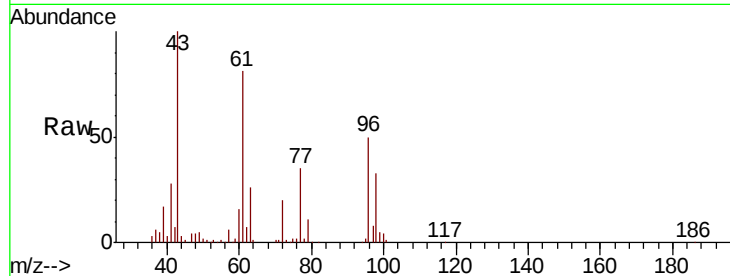


#27

cis-1,2-Dichloroethene
 Concen: 20.392 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.6	0.0	325.6
98	65.9	0.0	128.2

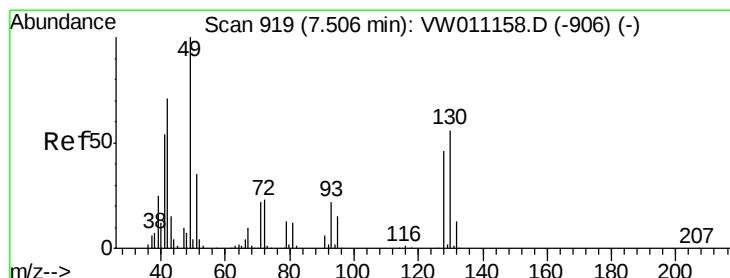
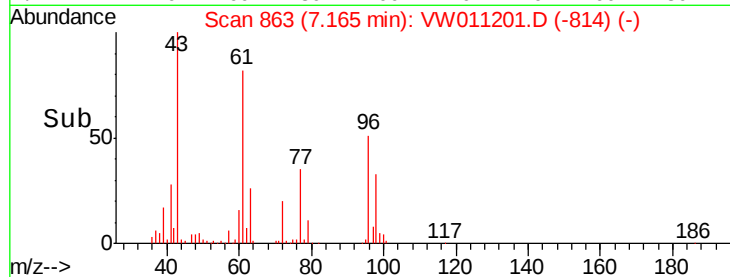
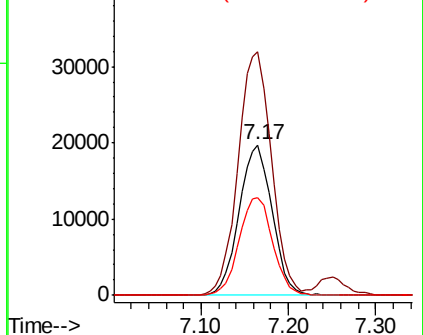


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

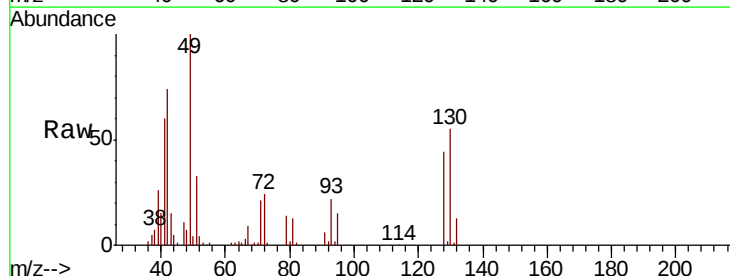
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
 Concen: 21.148 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	1.4
130	56.9	45.8	68.8

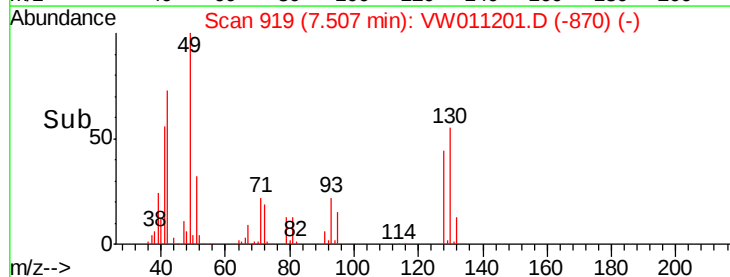
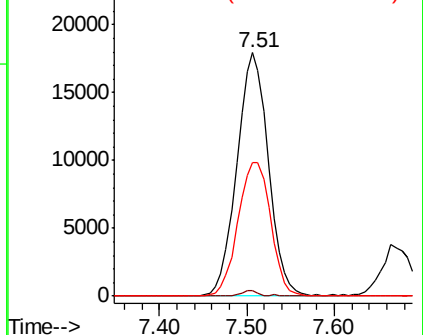


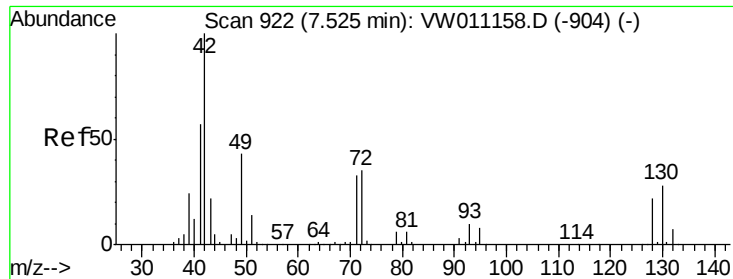
Abundance

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: 107.966 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampled :

VW0711SBSD01

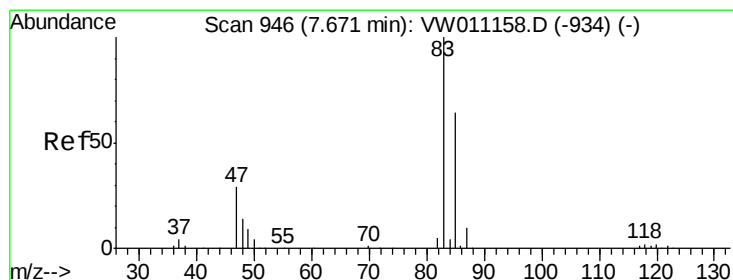
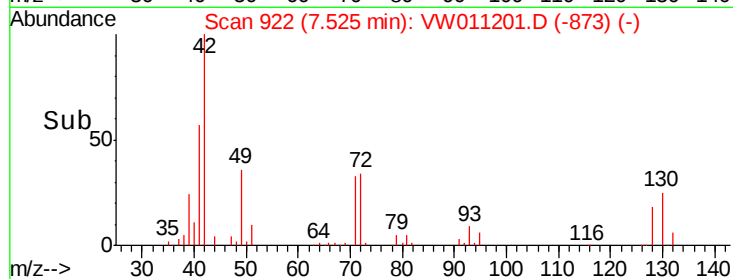
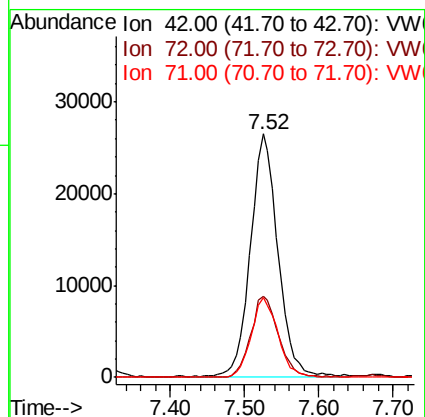
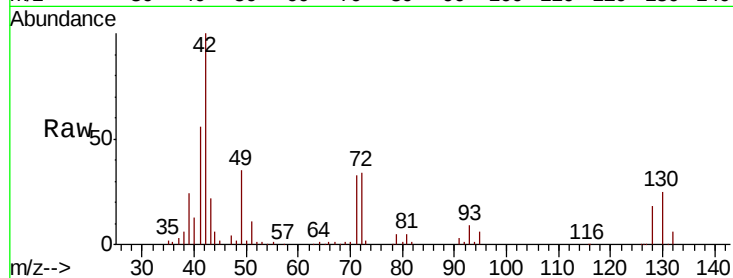
Tot Ion: 42 Resp: 68493

Ion Ratio Lower Upper

42 100

72 34.0 27.4 41.2

71 32.3 25.9 38.9



#30

Chloroform

Concen: 20.631 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW011201.D

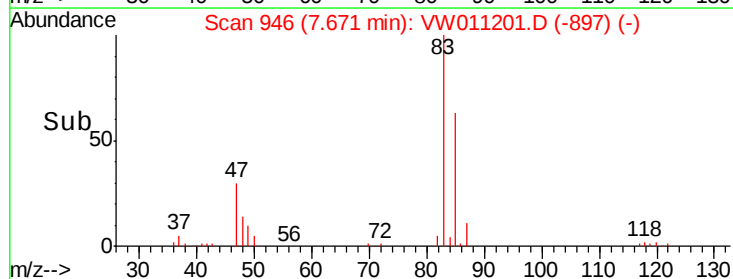
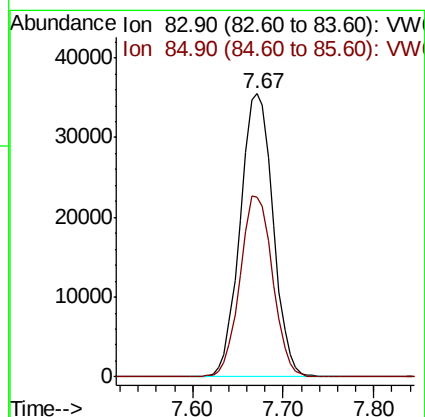
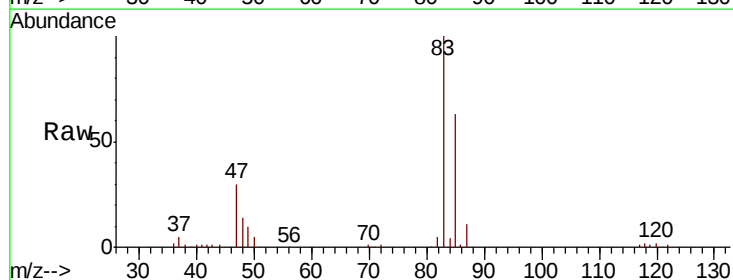
Acq: 10 Jul 2019 20:56

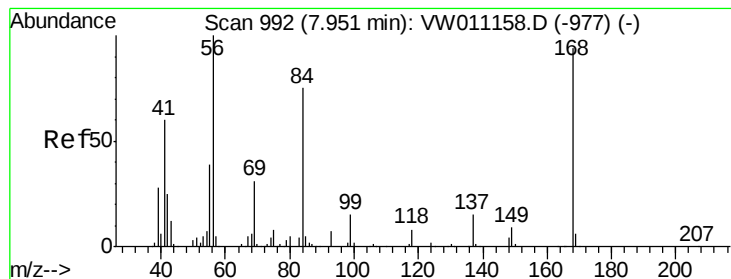
Tgt Ion: 83 Resp: 89118

Ion Ratio Lower Upper

83 100

85 63.4 51.4 77.2





#31

Cyclohexane

Concen: 18.604 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

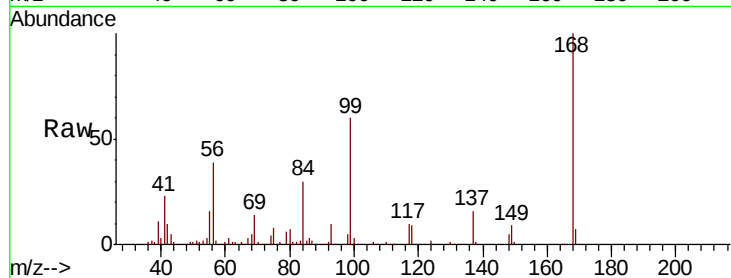
Tot Ion: 56 Resp: 92316

Ion Ratio Lower Upper

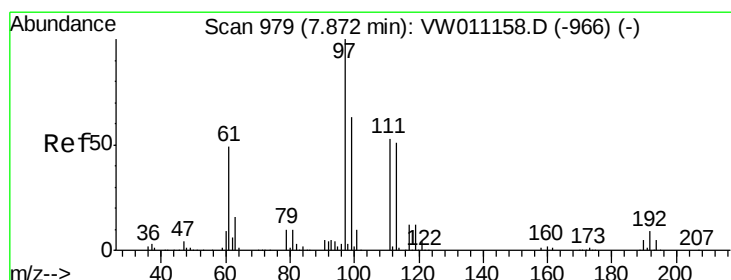
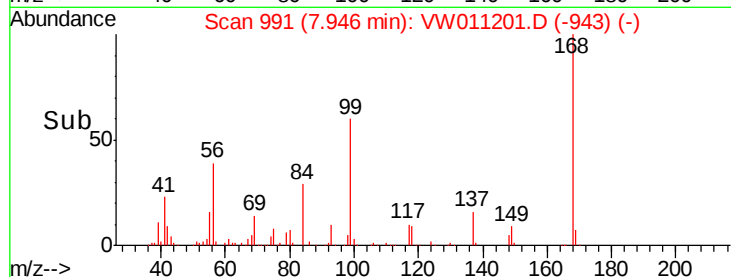
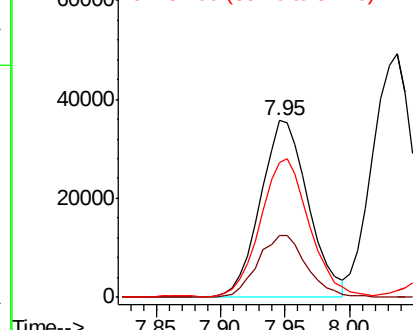
56 100

69 34.8 24.6 36.8

84 75.2 60.1 90.1



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: 19.365 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

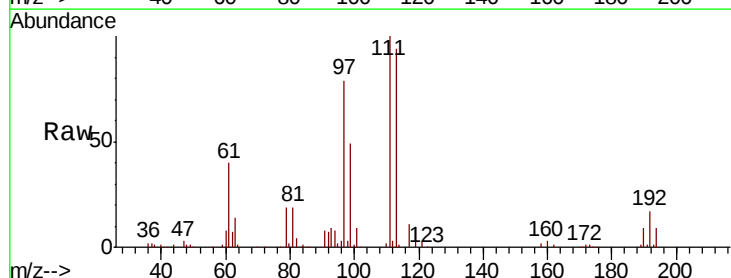
Tgt Ion: 97 Resp: 63631

Ion Ratio Lower Upper

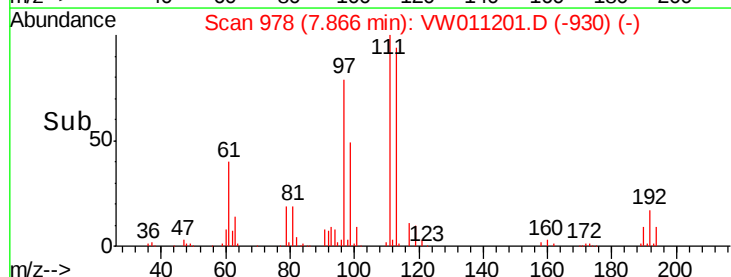
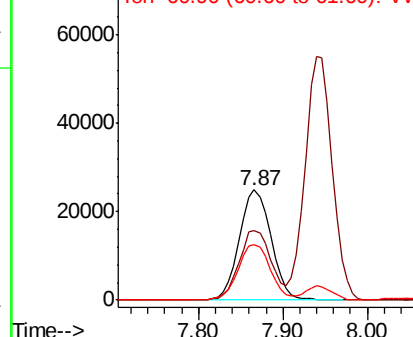
97 100

99 64.0 51.0 76.4

61 51.9 40.4 60.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 53.561 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

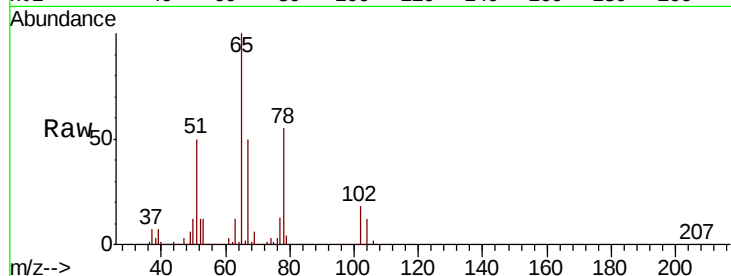
VW0711SBSD01

Tot Ion: 65 Resp: 137201

Ion Ratio Lower Upper

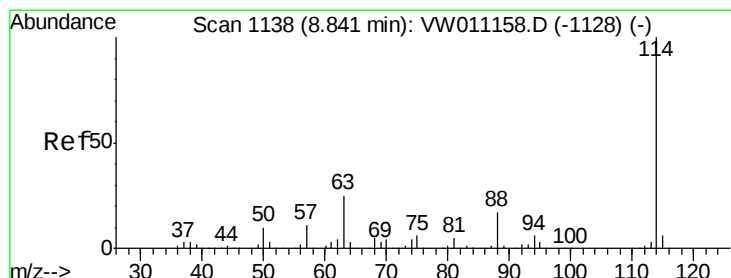
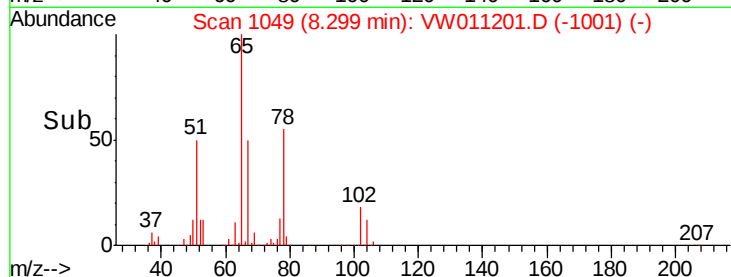
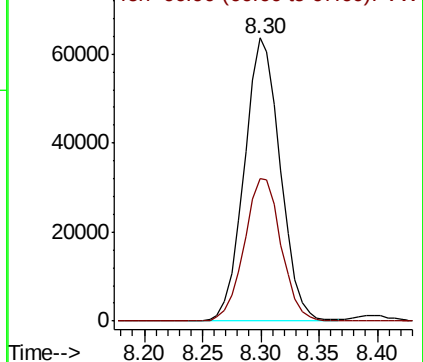
65 100

67 51.8 0.0 104.4



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: VW011201.D

Acq: 10 Jul 2019 20:56

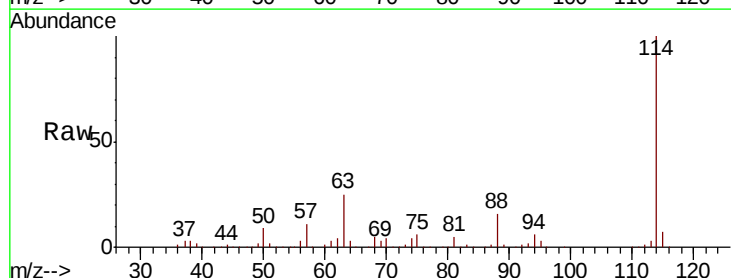
Tgt Ion: 114 Resp: 345048

Ion Ratio Lower Upper

114 100

63 24.5 0.0 50.8

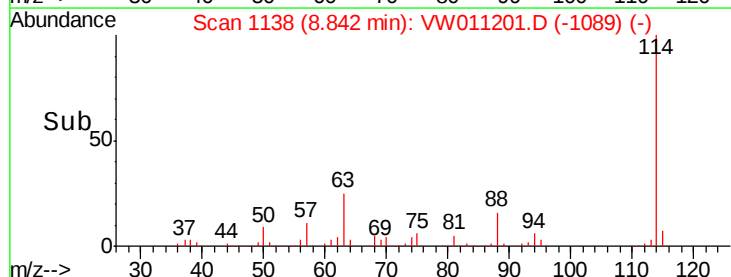
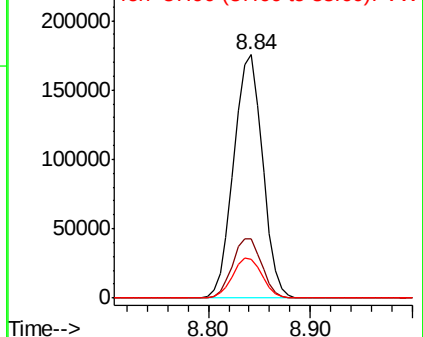
88 16.2 0.0 34.2

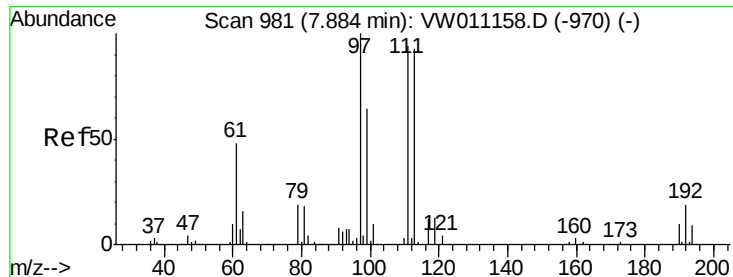


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

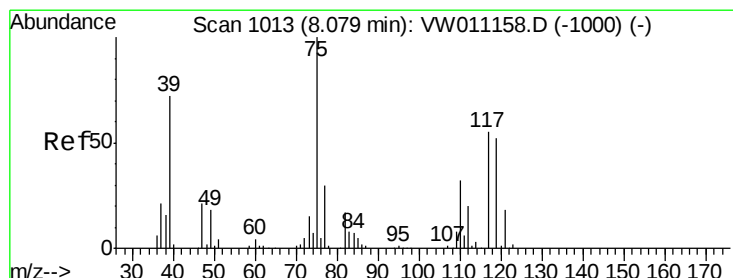
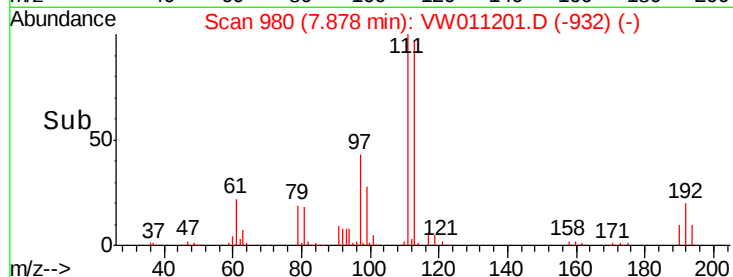
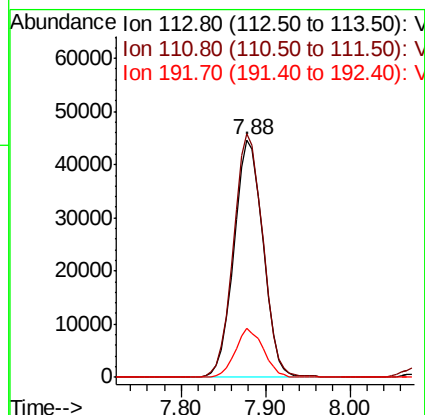
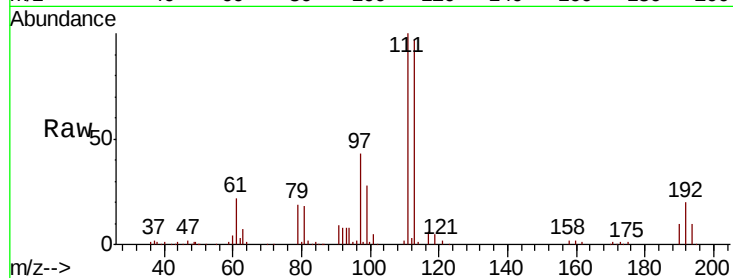




#35
 Dibromofluoromethane
 Concen: 50.703 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

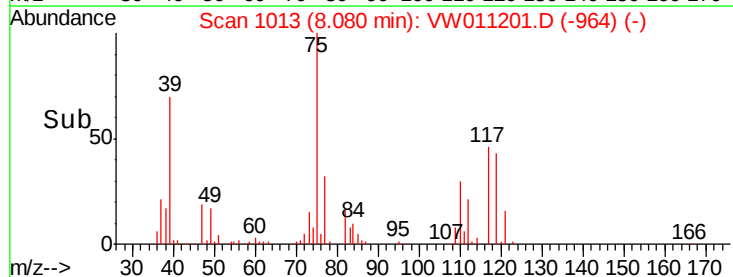
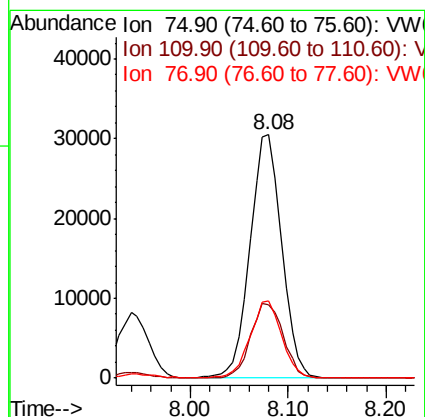
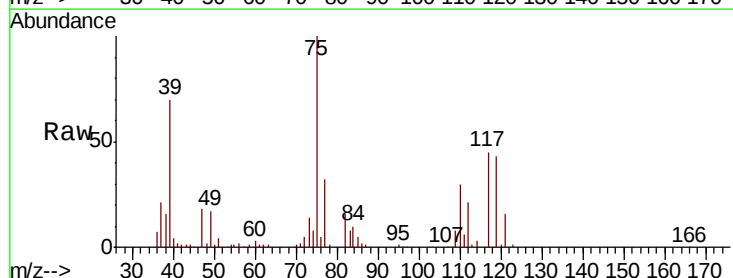
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

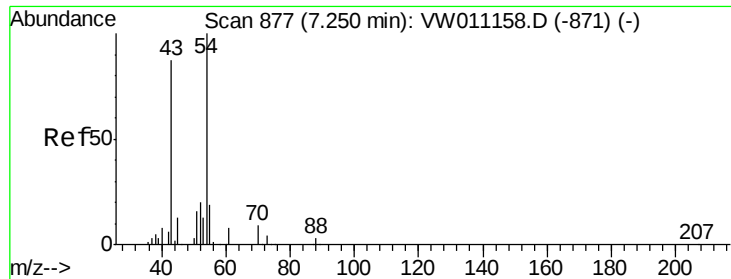
Tot Ion:113 Resp: 104278
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.4 123.6
 192 19.7 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 18.753 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion: 75 Resp: 68907
 Ion Ratio Lower Upper
 75 100
 110 31.5 15.9 47.6
 77 31.7 24.6 36.8

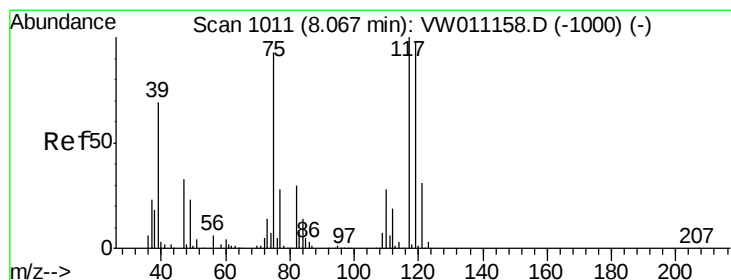
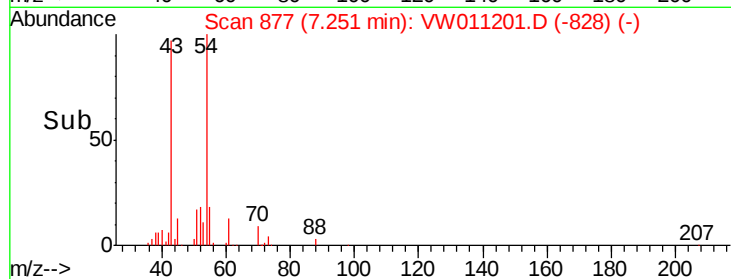
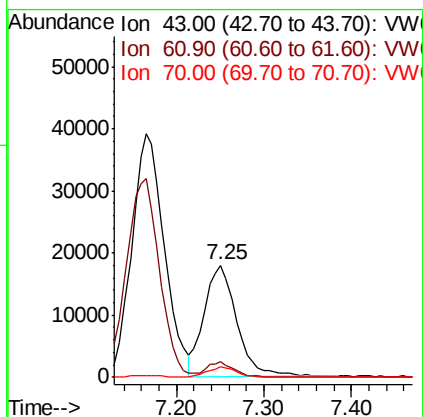
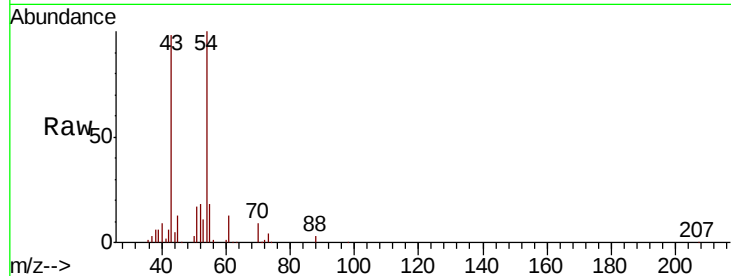




#37
Ethyl Acetate
Concen: 21.178 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

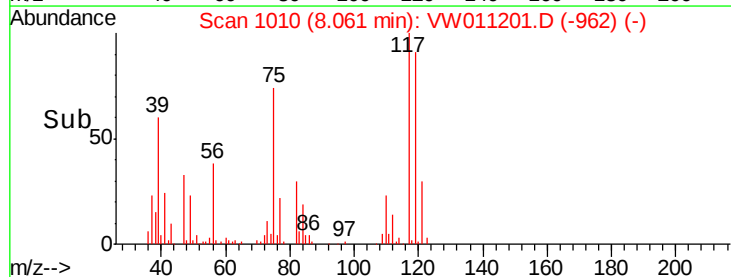
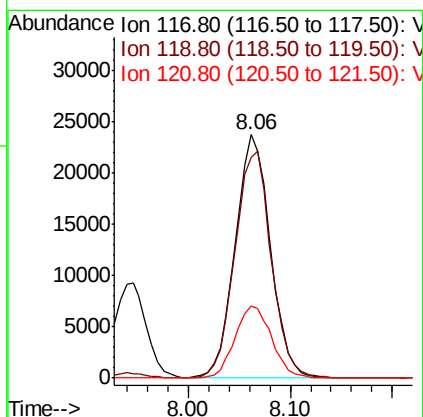
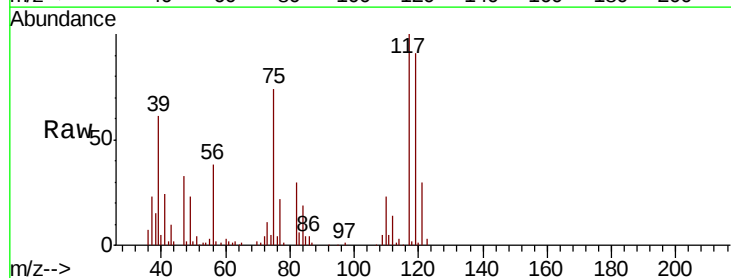
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion: 43 Resp: 46755
Ion Ratio Lower Upper
43 100
61 11.8 9.5 14.3
70 8.5 7.1 10.7



#38
Carbon Tetrachloride
Concen: 18.256 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion: 117 Resp: 56865
Ion Ratio Lower Upper
117 100
119 90.6 78.1 117.1
121 29.5 25.1 37.7

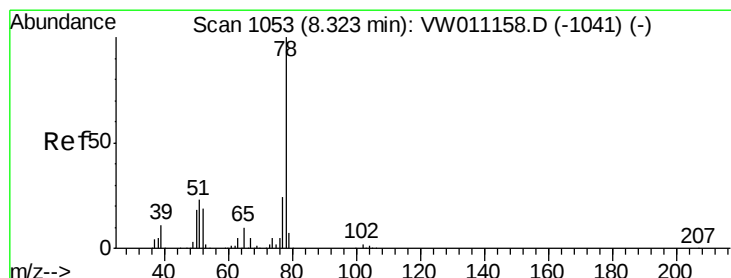
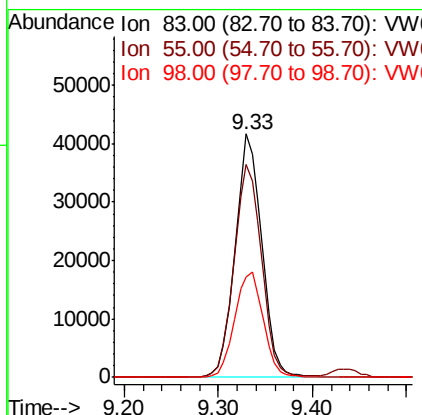
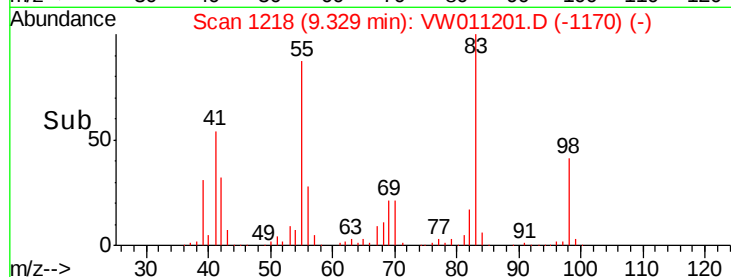
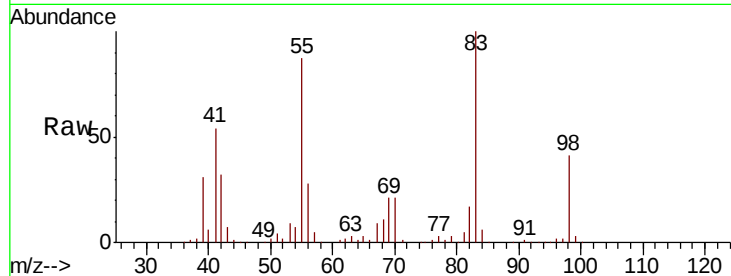




#39
Methvlcvclohexane
Concen: 18.470 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

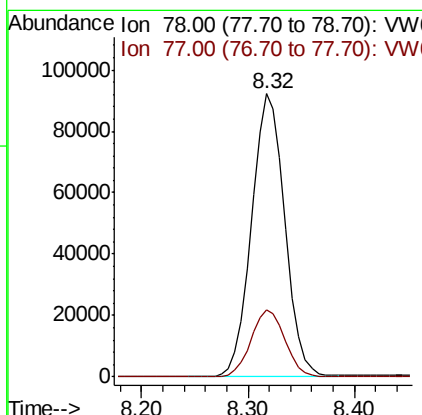
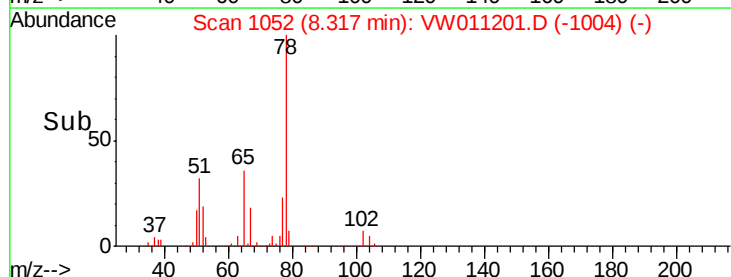
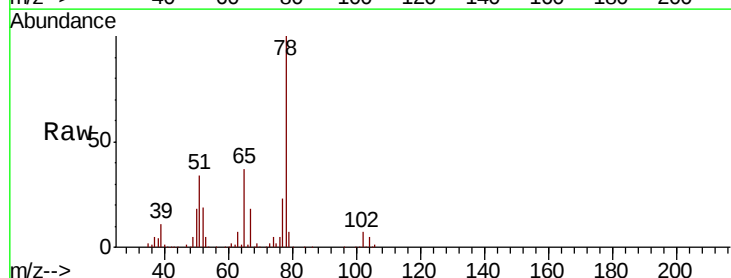
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

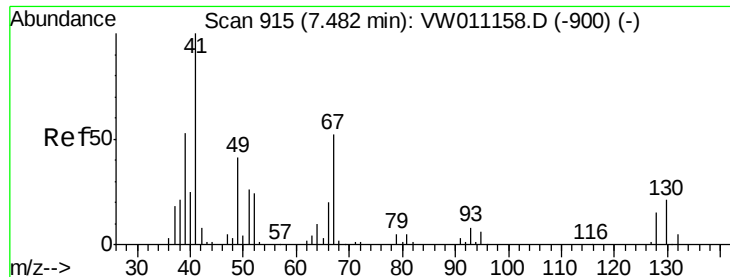
Tot Ion: 83 Resp: 82256
Ion Ratio Lower Upper
83 100
55 87.4 71.2 106.8
98 41.3 37.5 56.3



#40
Benzene
Concen: 19.915 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion: 78 Resp: 202228
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6





#41

Methacrylonitrile

Concen: 20.379 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

Tot Ion: 41 Resp: 25732

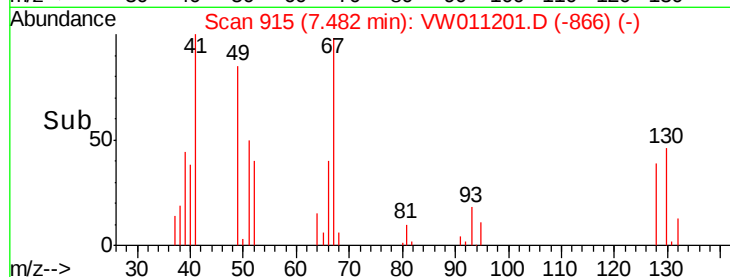
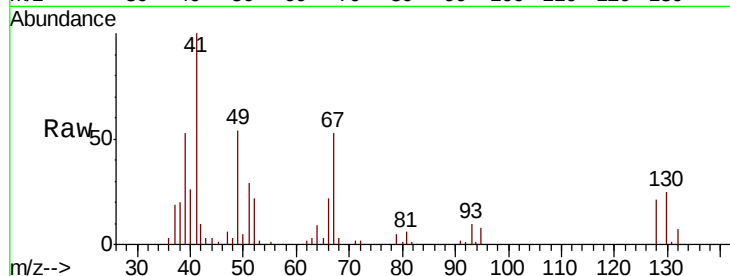
Ion Ratio Lower Upper

41 100

39 61.0 48.0 72.0

67 61.8 49.7 74.5

52 27.7 23.4 35.0

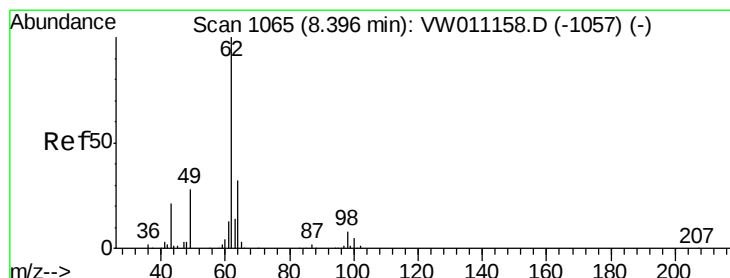
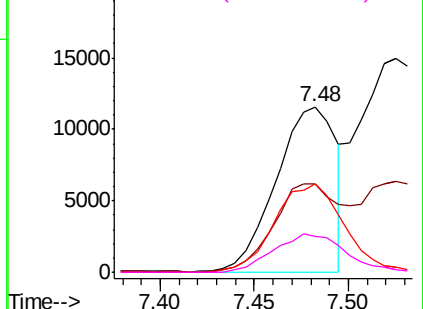


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.993 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011201.D

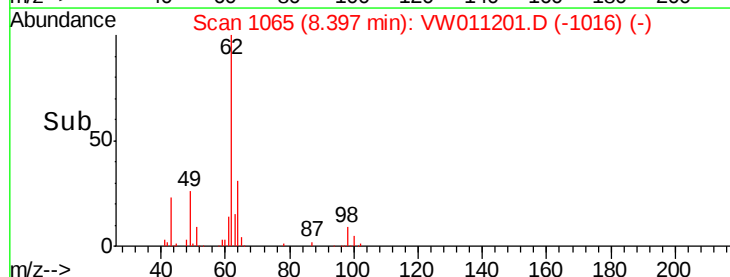
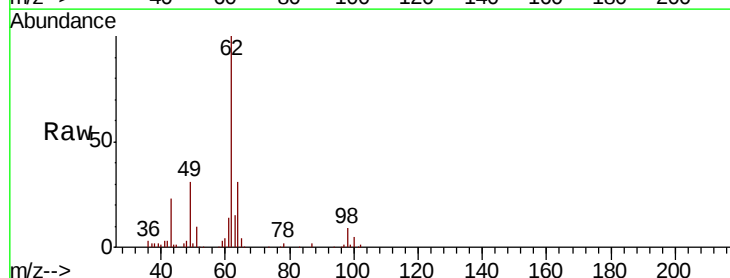
Acq: 10 Jul 2019 20:56

Tgt Ion: 62 Resp: 69154

Ion Ratio Lower Upper

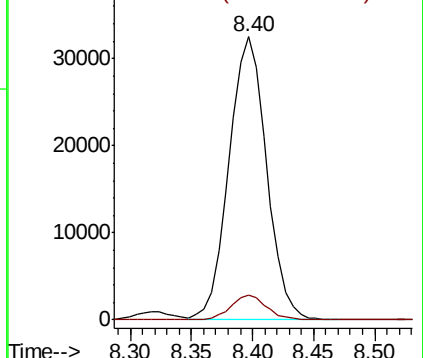
62 100

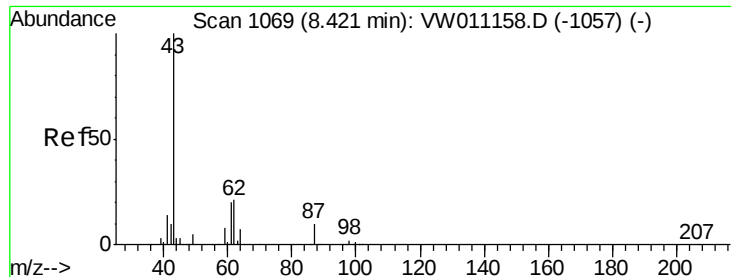
98 8.4 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.776 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

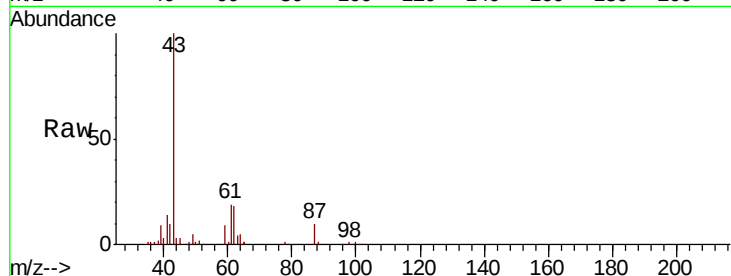
Tot Ion: 43 Resp: 86596

Ion Ratio Lower Upper

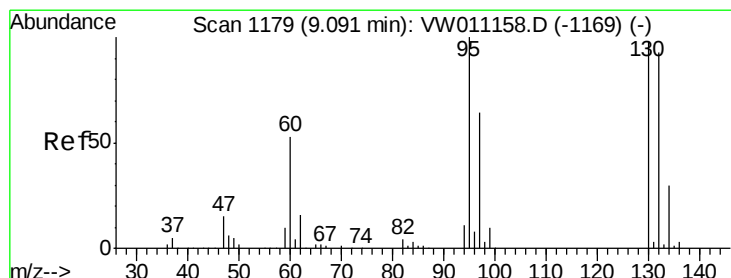
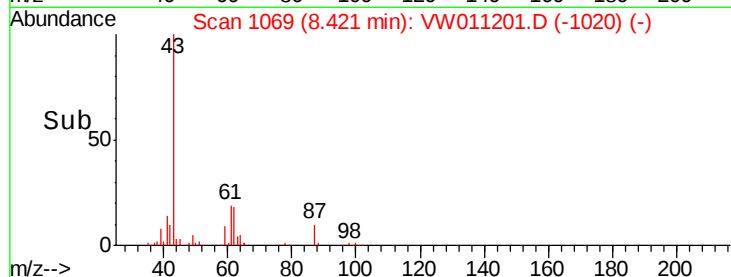
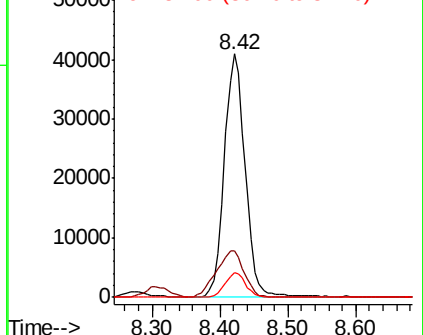
43 100

61 25.8 20.7 31.1

87 10.0 8.1 12.1



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: 19.451 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011201.D

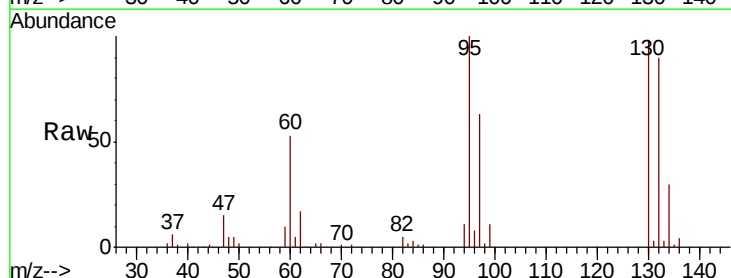
Acq: 10 Jul 2019 20:56

Tgt Ion: 130 Resp: 47532

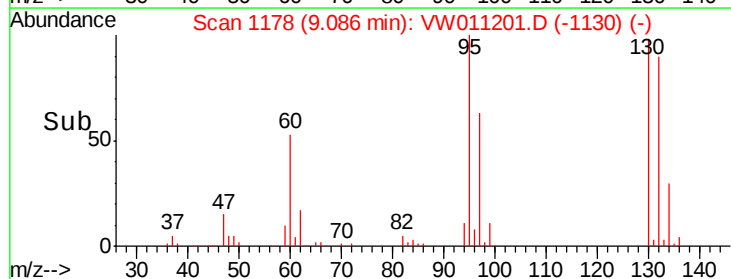
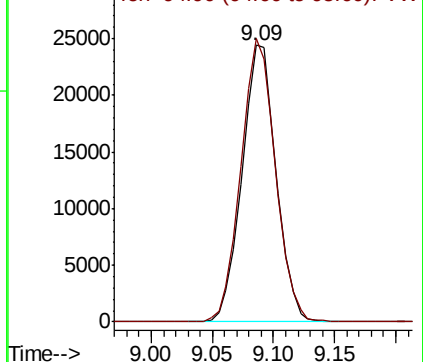
Ion Ratio Lower Upper

130 100

95 102.3 0.0 203.6



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

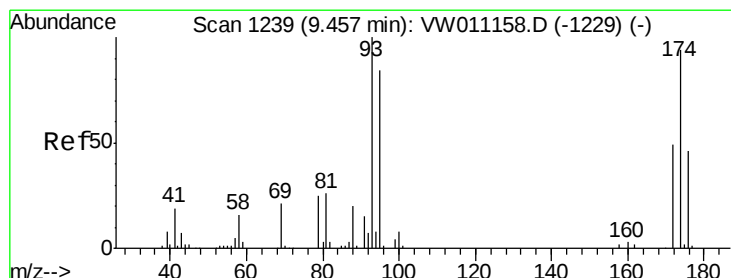
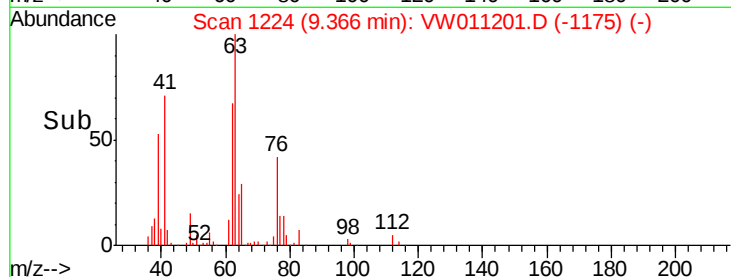
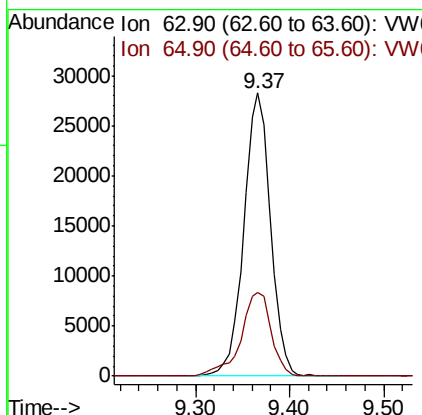
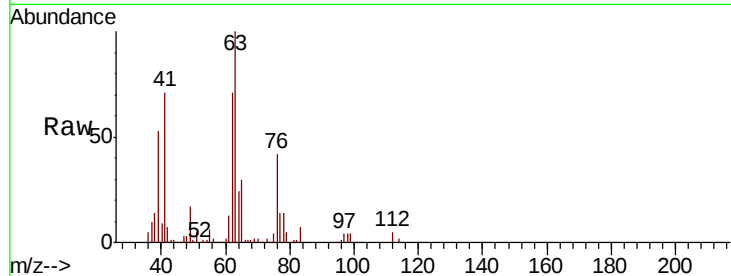




#45
 1,2-Dichloropropane
 Concen: 20.381 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

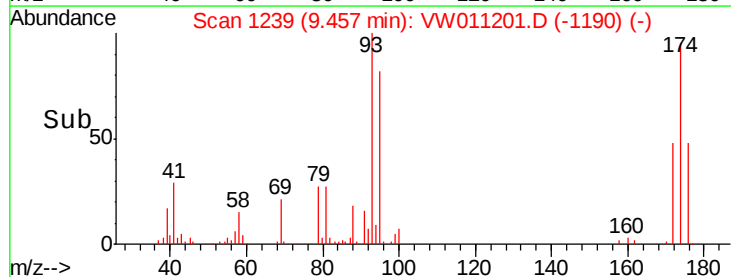
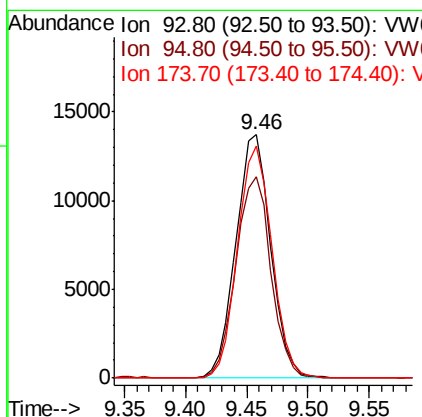
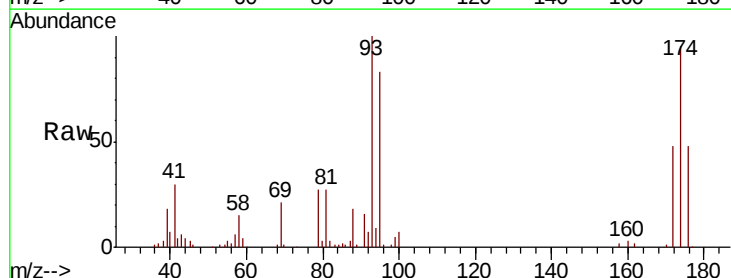
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

Tot Ion: 63 Resp: 56046
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.4 36.6



#46
 Dibromomethane
 Concen: 21.041 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion: 93 Resp: 27180
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.2 100.8
 174 94.0 76.3 114.5

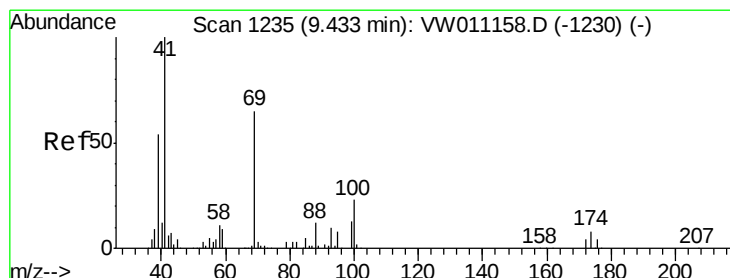
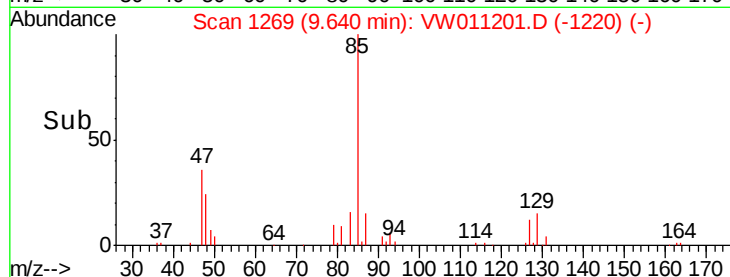
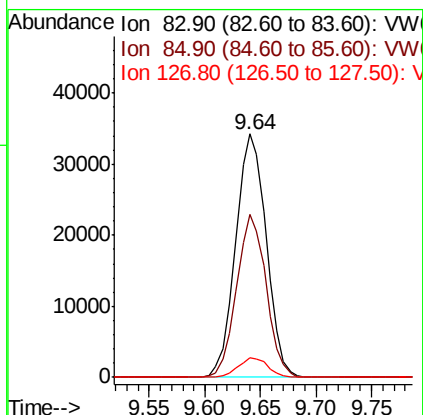
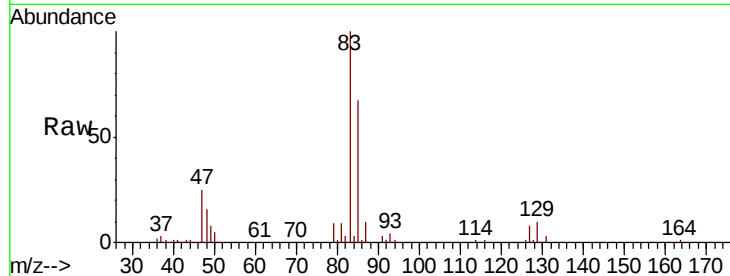




#47
 Bromodichloromethane
 Concen: 19.698 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

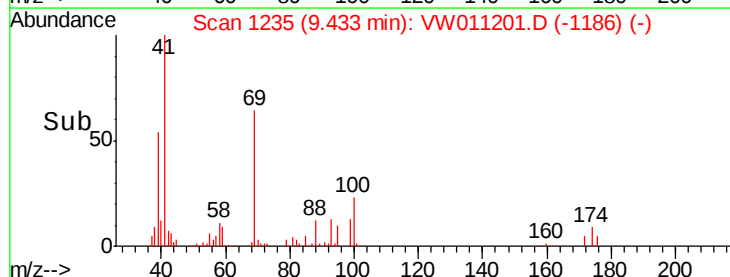
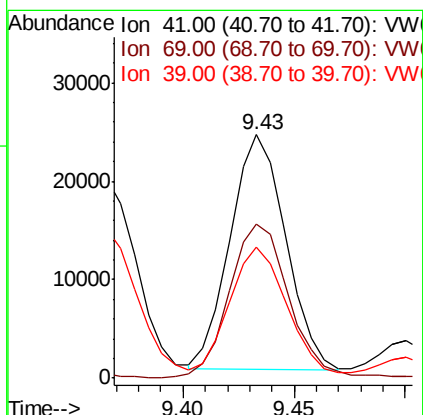
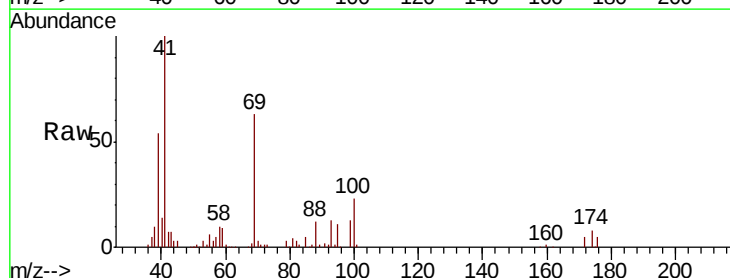
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

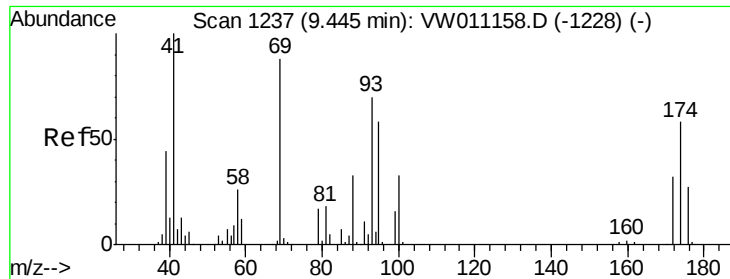
Tot Ion	83	Resp	65104
Ion Ratio	100		
Lower	51.0		
Upper	76.4		
85	66.9		
127	7.8		



#48
 Methyl methacrylate
 Concen: 20.648 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion	41	Resp	41404
Ion Ratio	100		
Lower	56.0		
Upper	84.0		
69	71.7		
39	58.5		

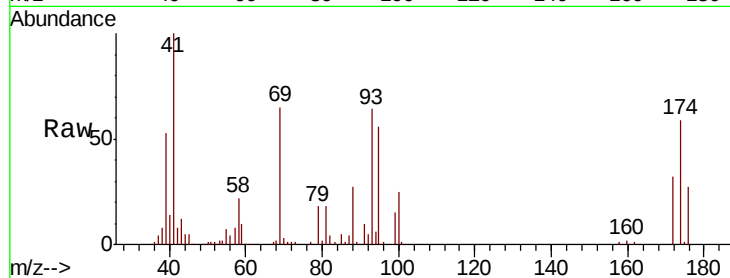




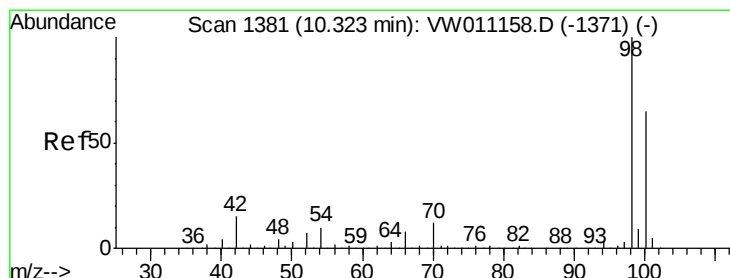
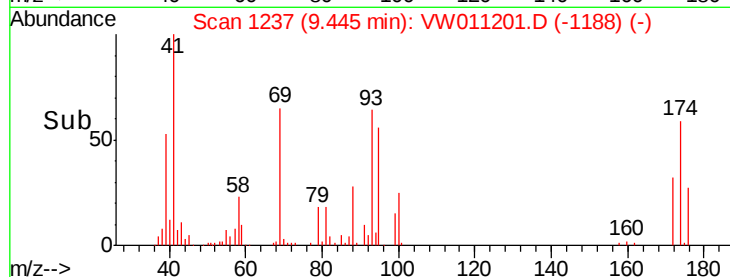
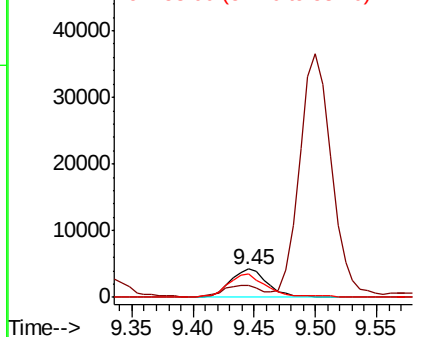
#49
1,4-Dioxane
Concen: 411.705 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion: 88 Resp: 8877
Ion Ratio Lower Upper
88 100
43 41.7 33.4 50.0
58 84.4 64.5 96.7

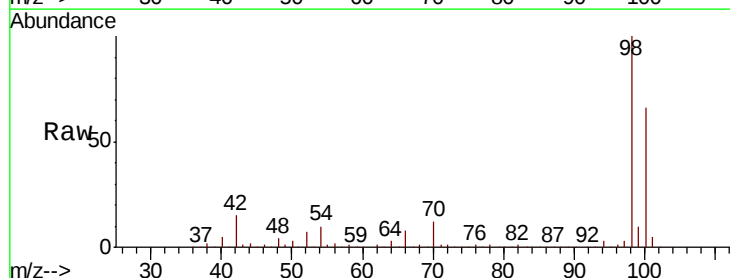


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

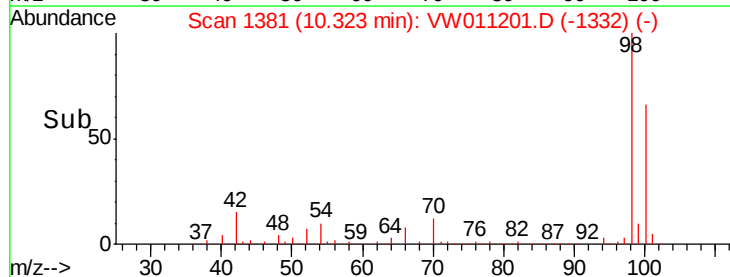
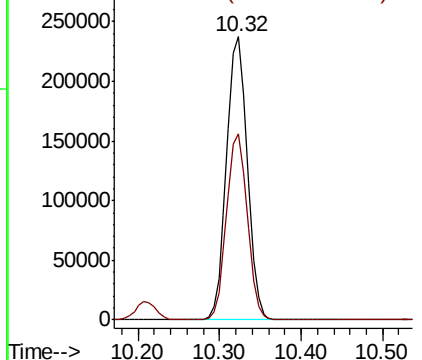


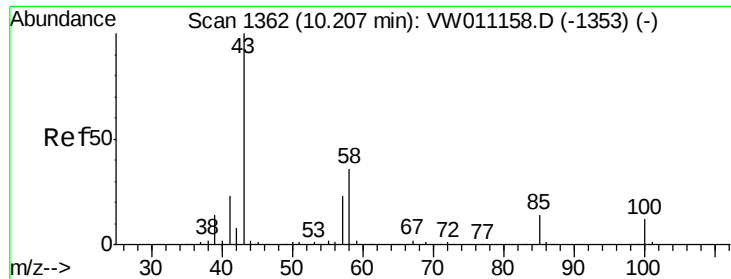
#50
Toluene-d8
Concen: 50.060 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion: 98 Resp: 416164
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 106.597 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampled :

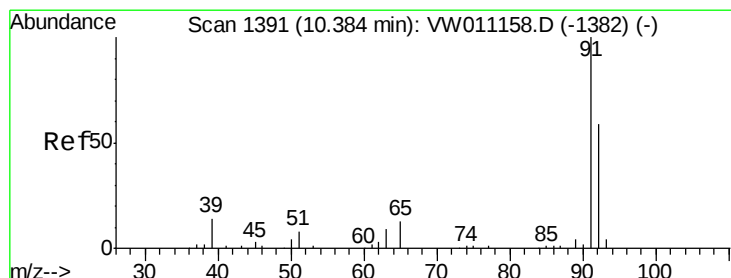
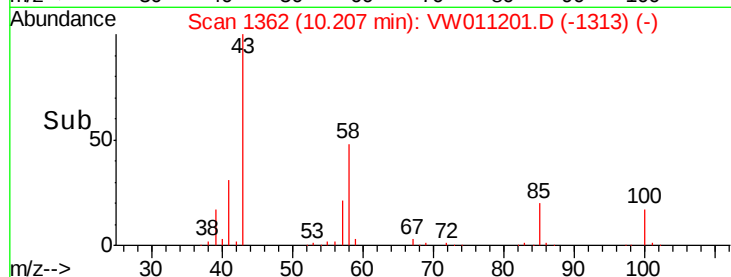
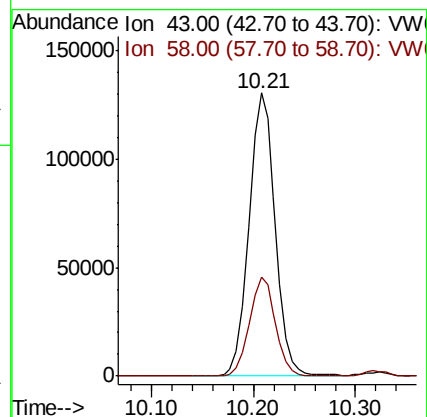
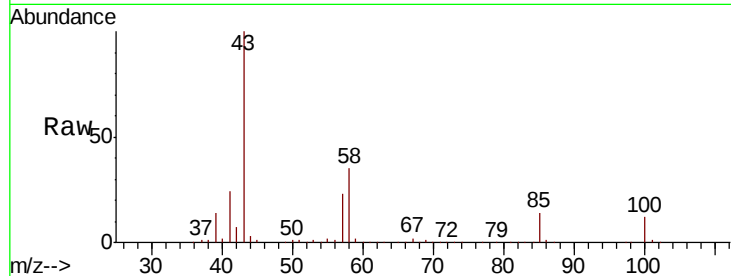
VW0711SBSD01

Tot Ion: 43 Resp: 232094

Ion Ratio Lower Upper

43 100

58 34.8 28.2 42.2



#52

Toluene

Concen: 19.977 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011201.D

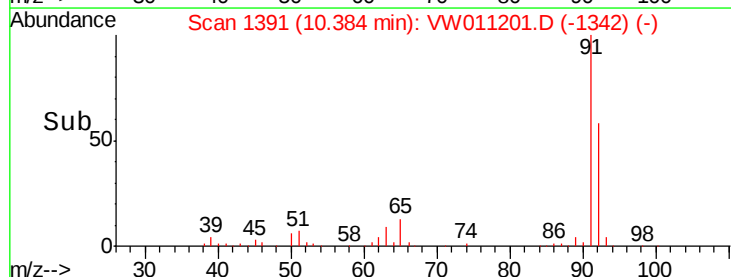
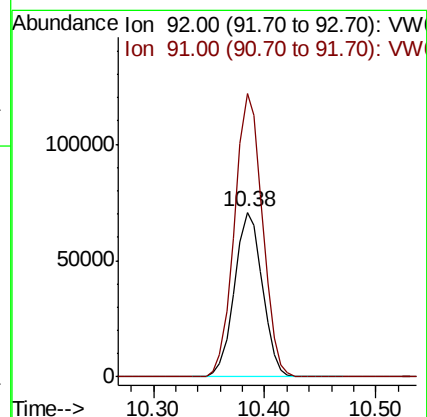
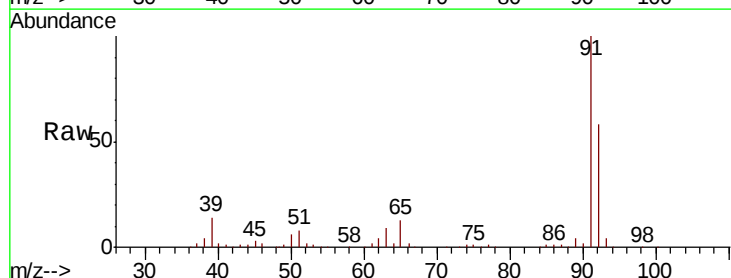
Acq: 10 Jul 2019 20:56

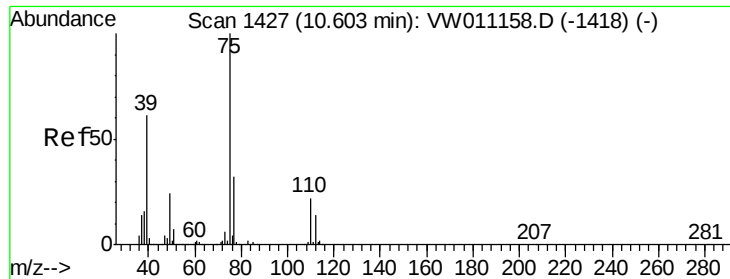
Tgt Ion: 92 Resp: 123055

Ion Ratio Lower Upper

92 100

91 171.7 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 19.088 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

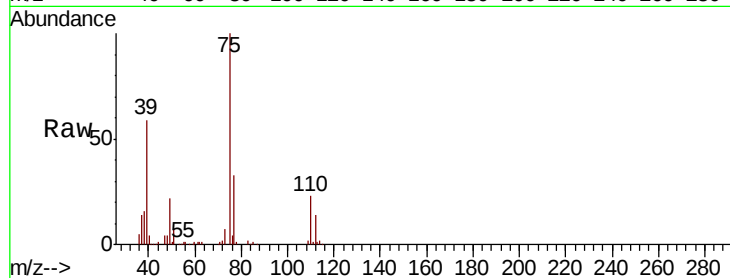
VW0711SBSD01

Tot Ion: 75 Resp: 67155

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

40000

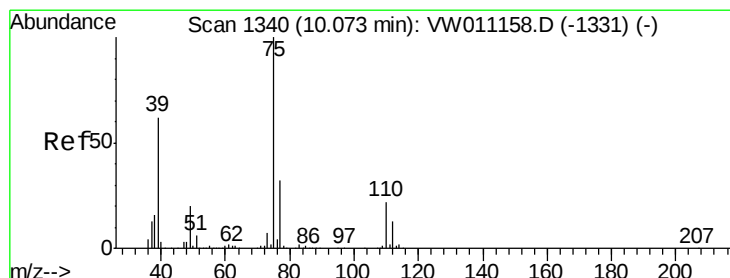
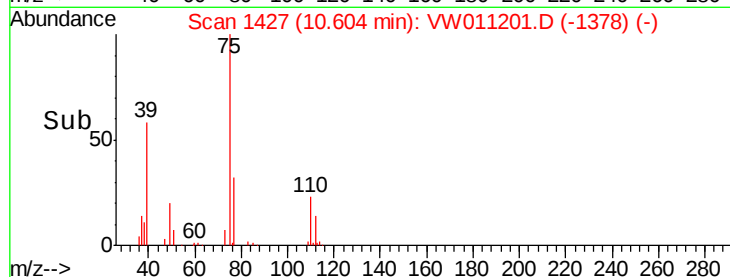
30000

20000

10000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 19.265 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

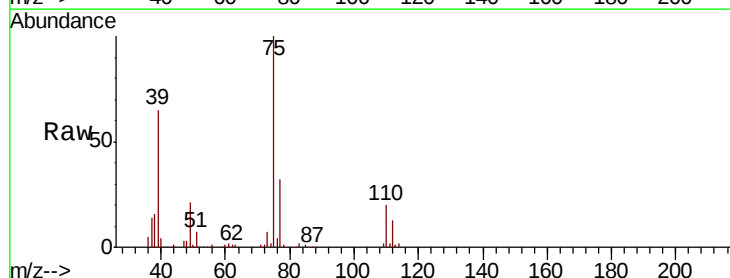
Tgt Ion: 75 Resp: 79778

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

39 64.8 49.8 74.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

60000

50000

40000

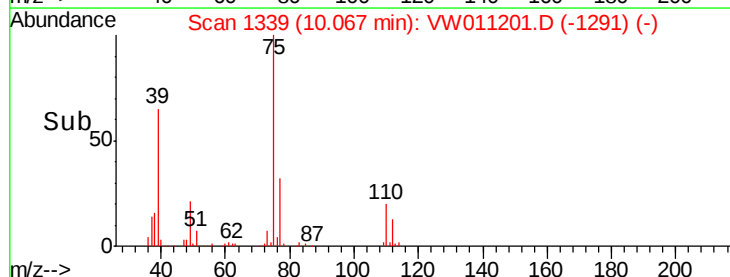
30000

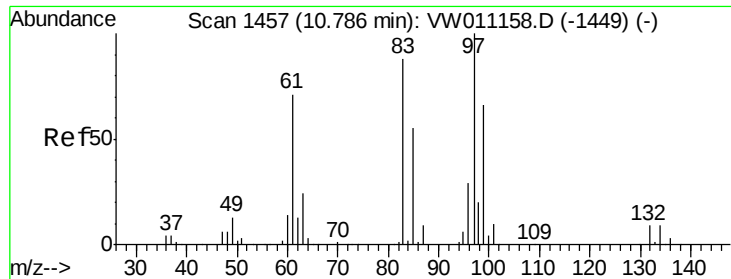
20000

10000

0

Time--> 10.00 10.10

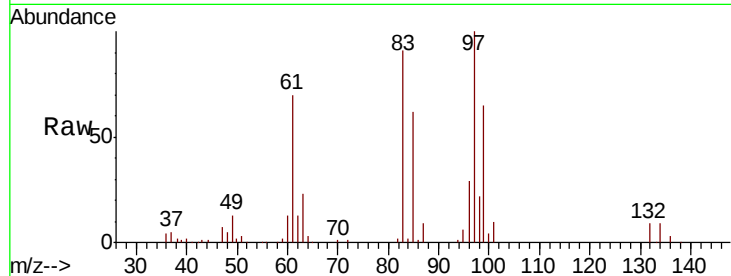




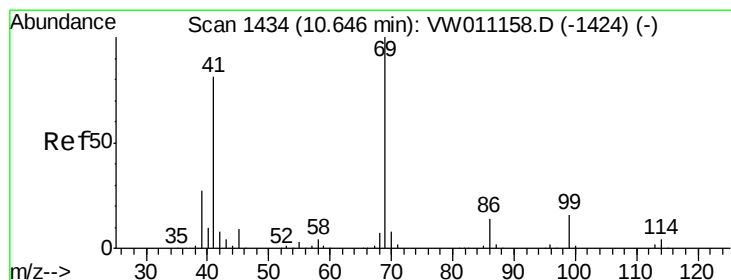
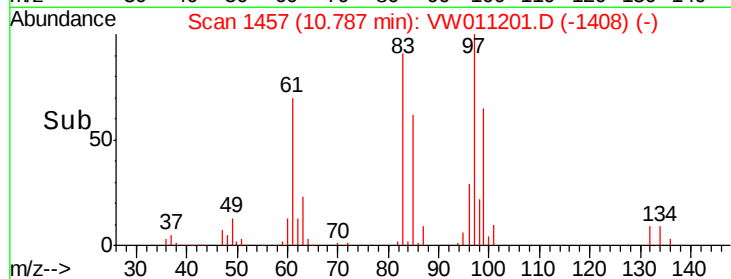
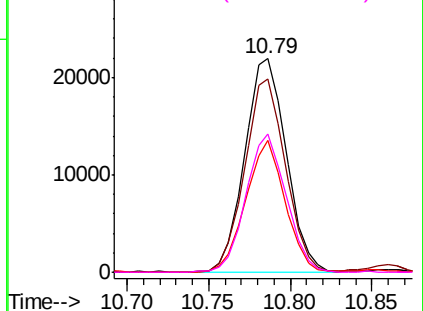
#55
 1,1,2-Trichloroethane
 Concen: 21.248 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

Tot Ion:	97	Resp:	38938
Ion	Ratio	Lower	Upper
97	100		
83	90.6	70.2	105.4
85	61.5	44.2	66.2
99	64.5	52.6	79.0

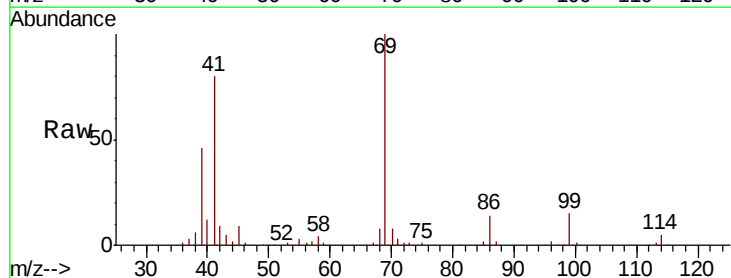


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

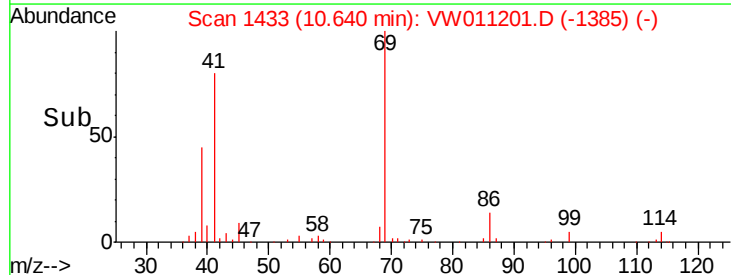
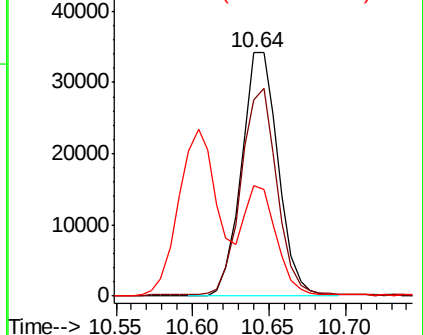


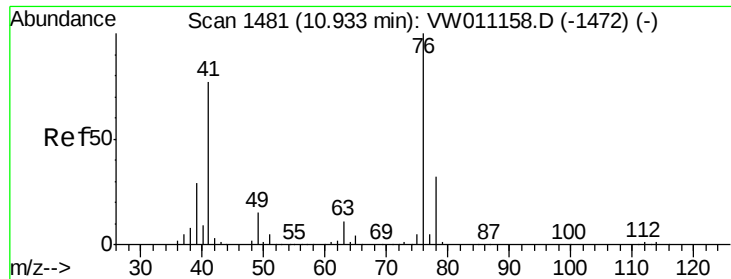
#56
 Ethyl methacrylate
 Concen: 20.449 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion:	69	Resp:	57054
Ion	Ratio	Lower	Upper
69	100		
41	82.9	66.5	99.7
39	39.6	32.5	48.7



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

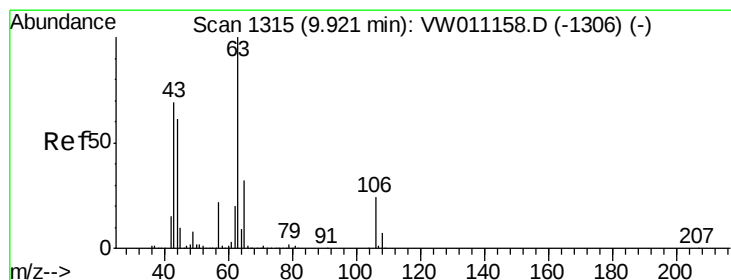
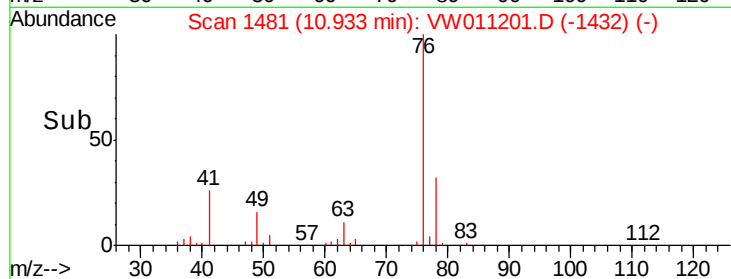
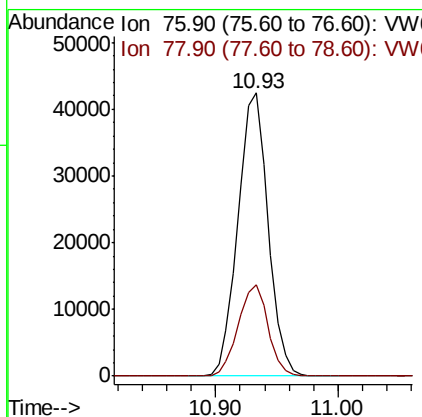
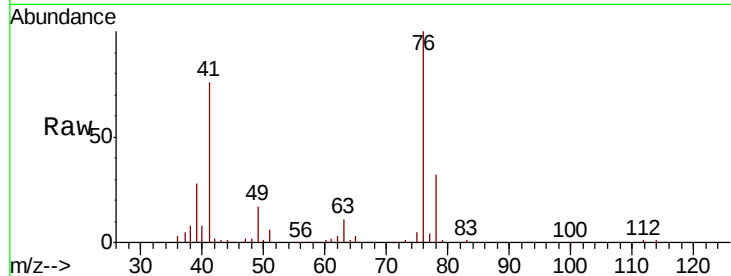




#57
 1,3-Dichloropropane
 Concen: 20.974 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

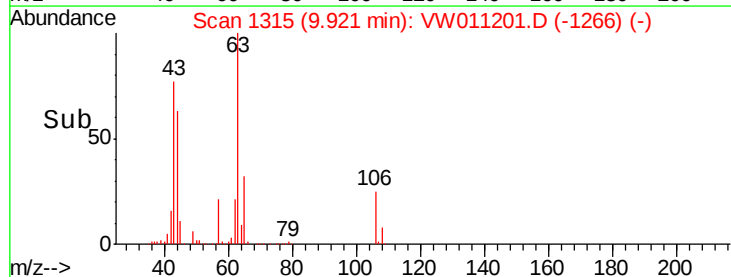
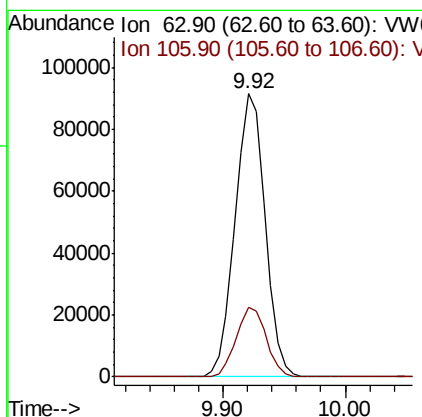
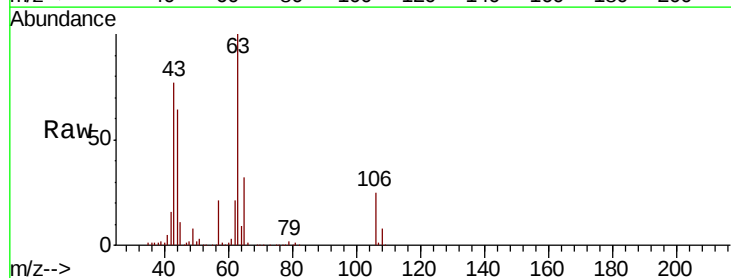
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

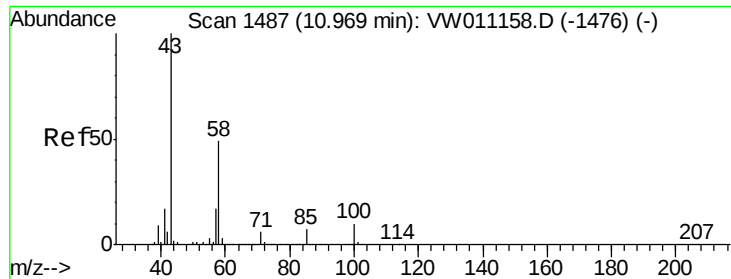
Tot Ion: 76 Resp: 72681
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.341 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion: 63 Resp: 155655
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.4 29.0

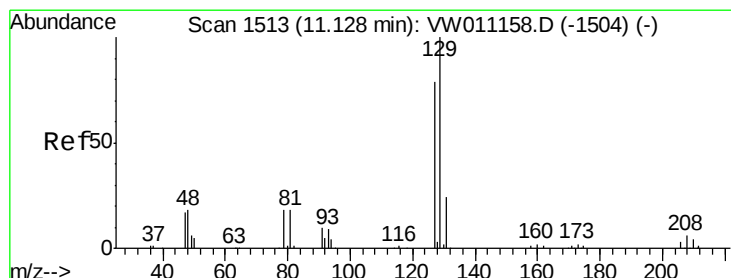
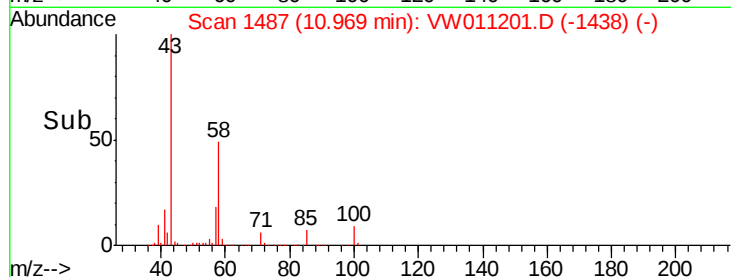
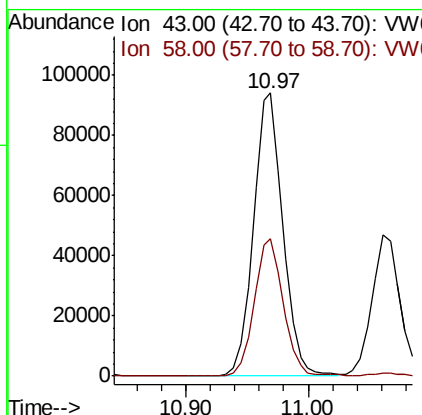
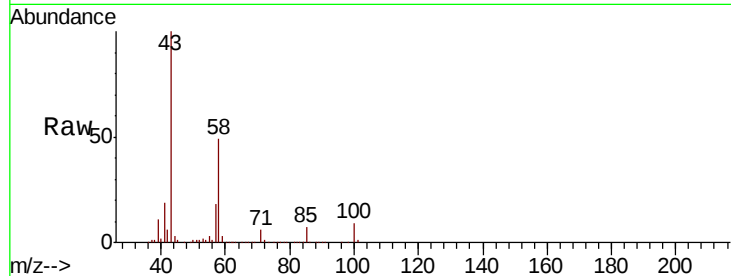




#59
2-Hexanone
Concen: 103.921 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

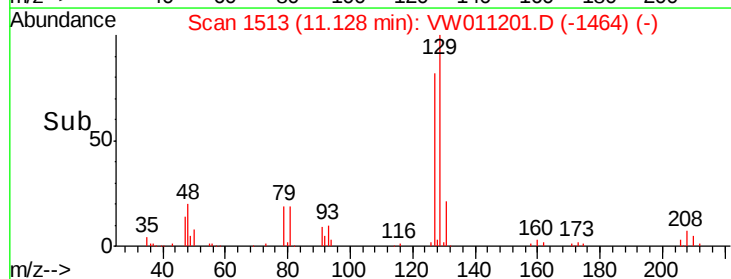
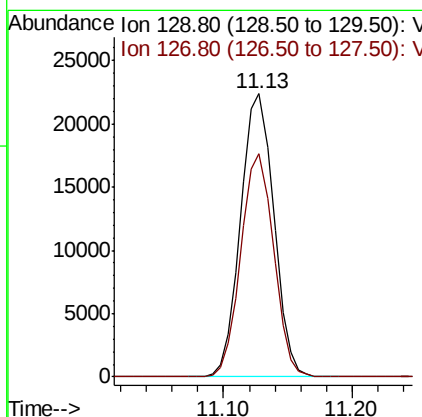
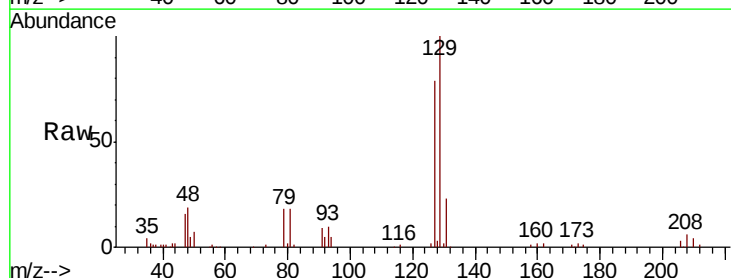
Instrument :
MSVOA_W
ClientSampled :
VW0711SBSD01

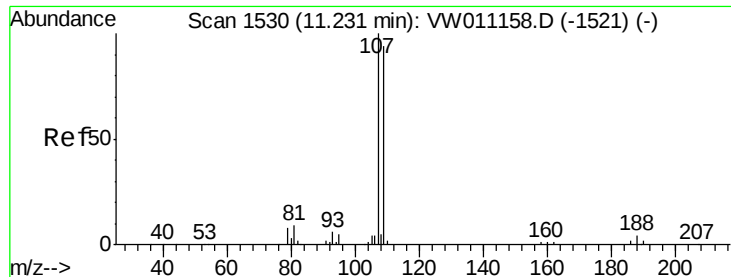
Tot Ion: 43 Resp: 156917
Ion Ratio Lower Upper
43 100
58 48.3 24.4 73.4



#60
Dibromochloromethane
Concen: 19.934 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion: 129 Resp: 40058
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.3

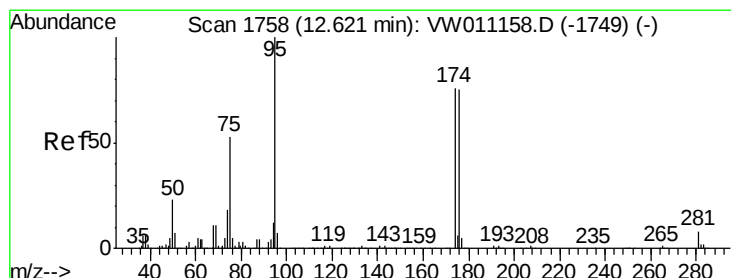
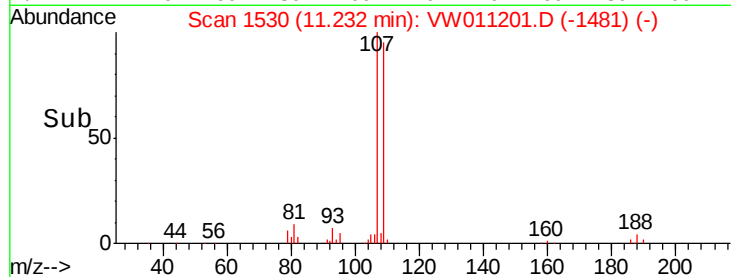
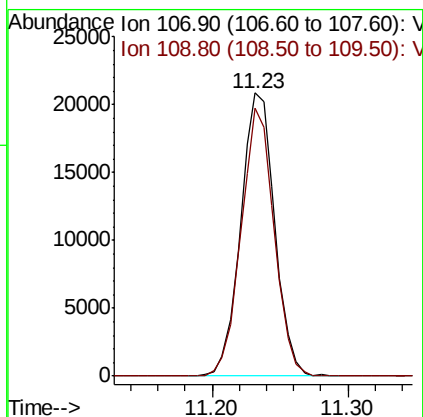
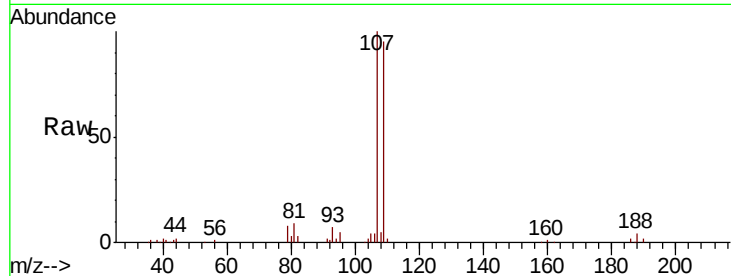




#61
 1,2-Dibromoethane
 Concen: 20.884 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

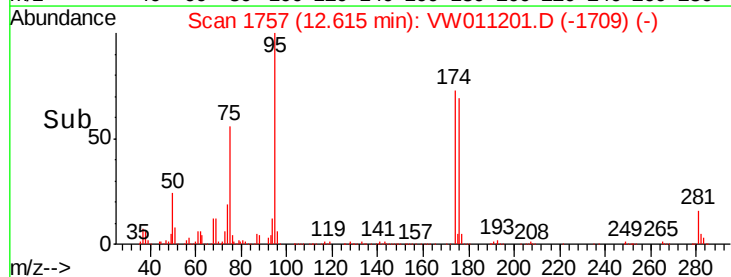
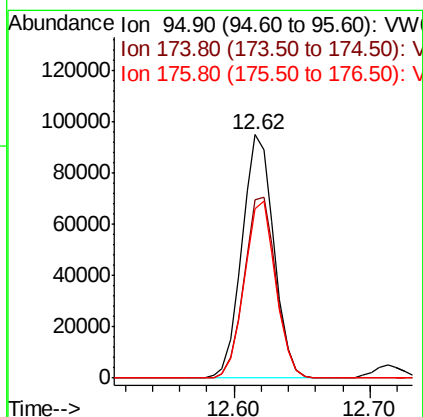
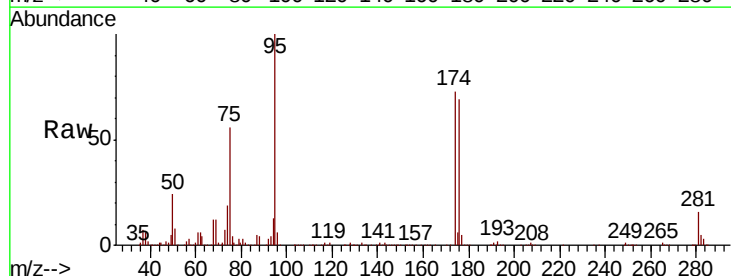
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

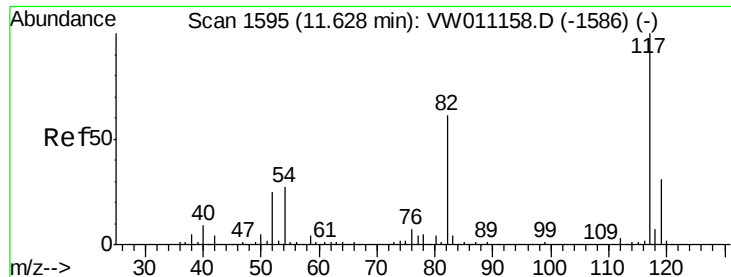
Tot Ion:107 Resp: 36252
 Ion Ratio Lower Upper
 107 100
 109 92.5 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 50.730 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion: 95 Resp: 154578
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 147.6
 176 71.9 0.0 144.6

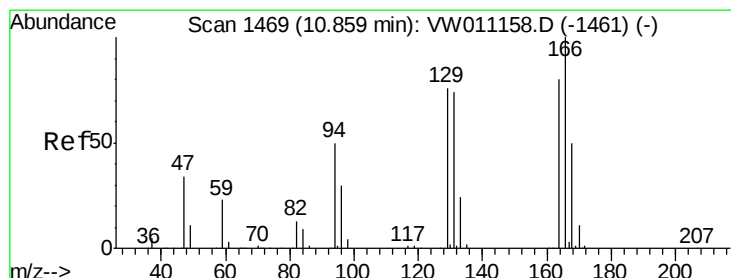
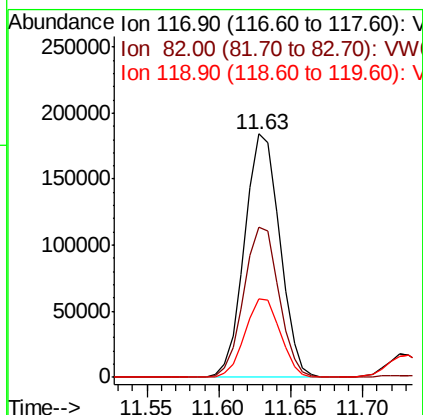
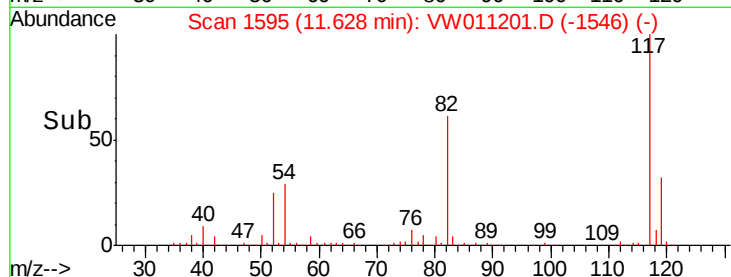
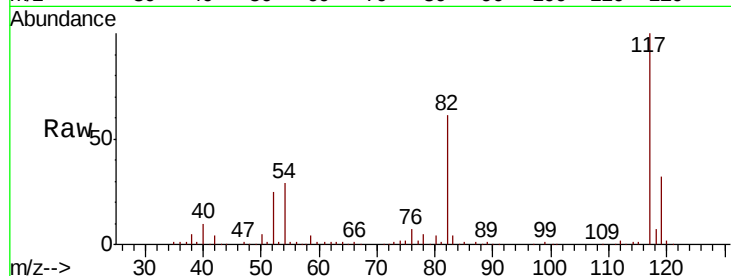




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

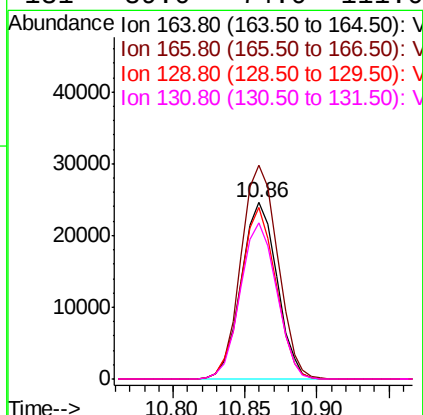
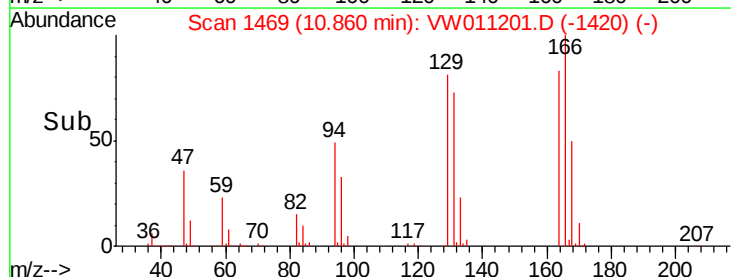
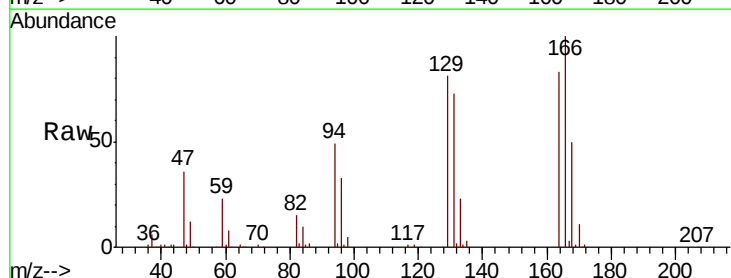
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

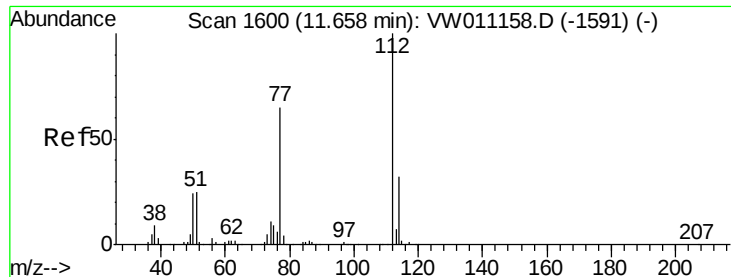
Tot Ion:117 Resp: 311787
Ion Ratio Lower Upper
117 100
82 61.5 48.9 73.3
119 32.4 25.0 37.6



#64
Tetrachloroethene
Concen: 20.144 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion:164 Resp: 42381
Ion Ratio Lower Upper
164 100
166 121.2 99.7 149.5
129 97.6 76.2 114.2
131 89.0 74.0 111.0

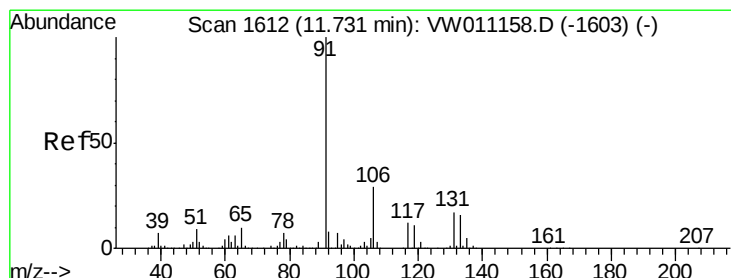
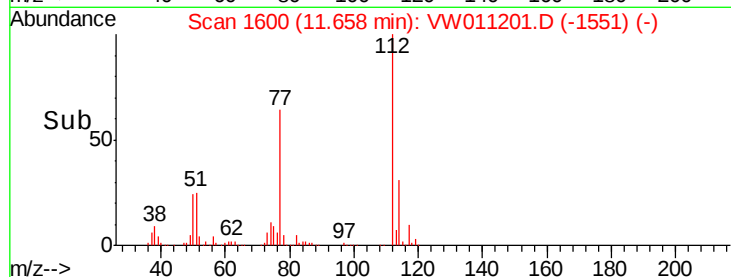
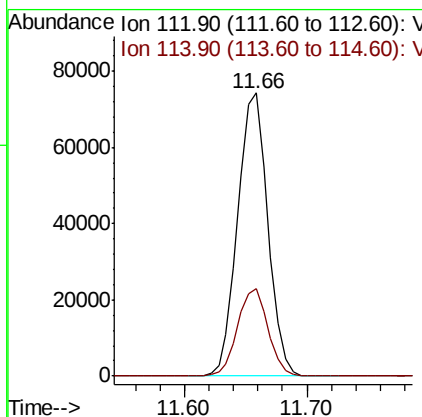
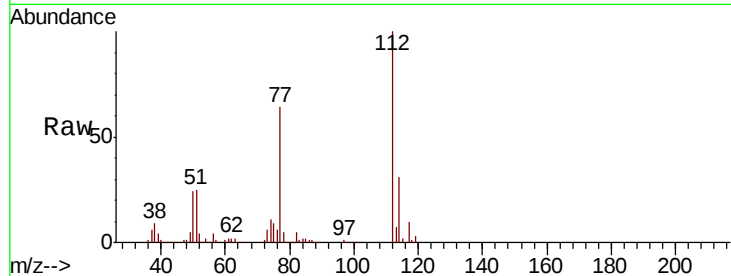




#65
Chlorobenzene
Concen: 20.028 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

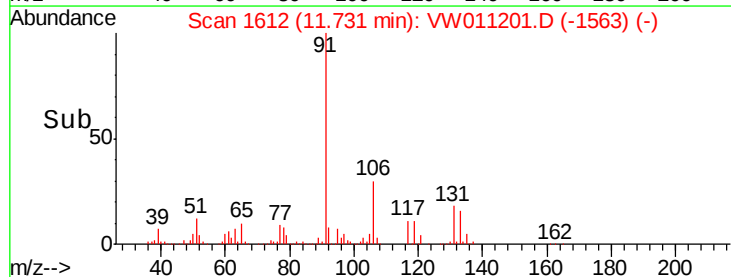
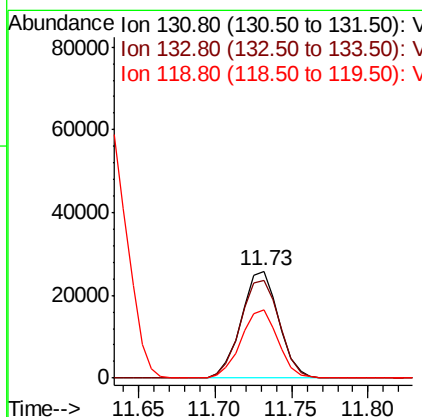
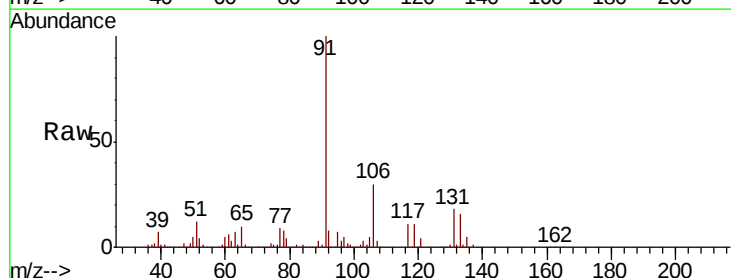
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

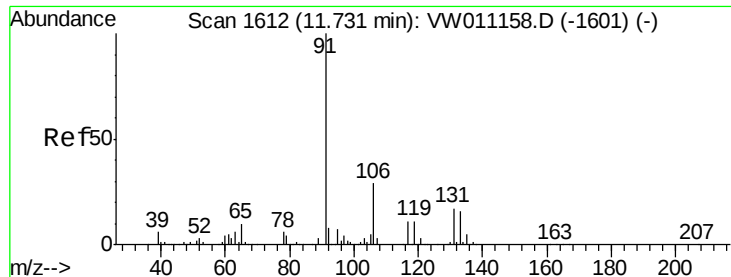
Tot Ion:112 Resp: 126956
Ion Ratio Lower Upper
112 100
114 31.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.667 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion:131 Resp: 43895
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.8
119 63.6 33.1 99.2

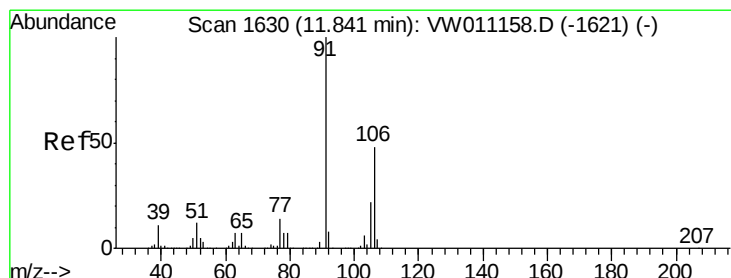
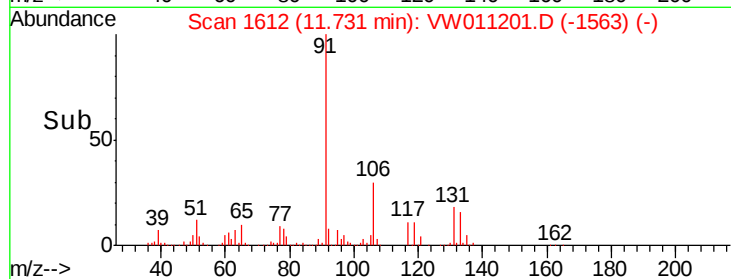
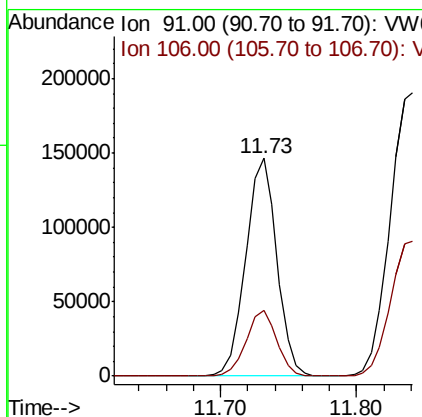
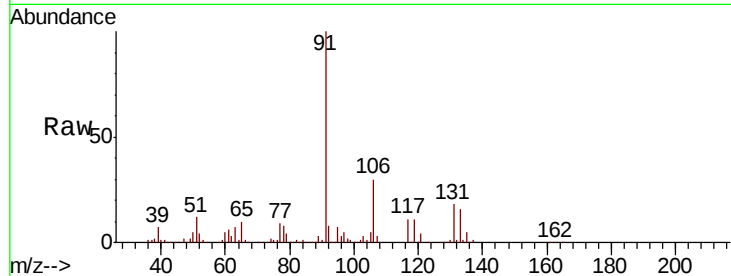




#67
Ethyl Benzene
Concen: 19.294 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

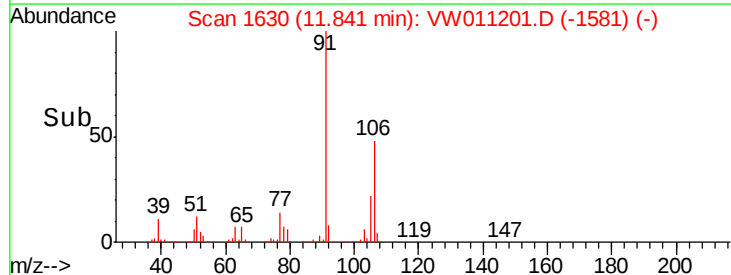
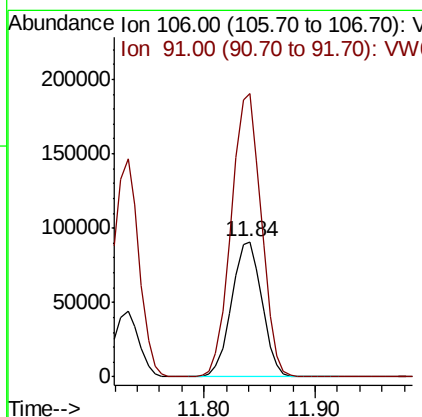
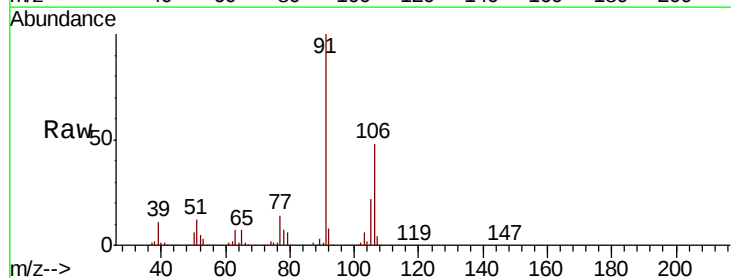
Instrument :
MSVOA_W
ClientSampled :
VW0711SBSD01

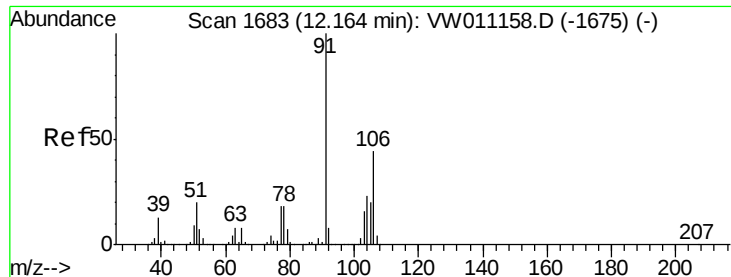
Tot Ion: 91 Resp: 234132
Ion Ratio Lower Upper
91 100
106 30.3 23.5 35.3



#68
m/p-Xylenes
Concen: 38.952 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion: 106 Resp: 171039
Ion Ratio Lower Upper
106 100
91 208.4 167.7 251.5

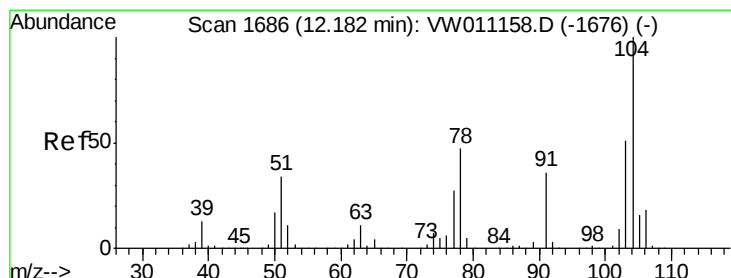
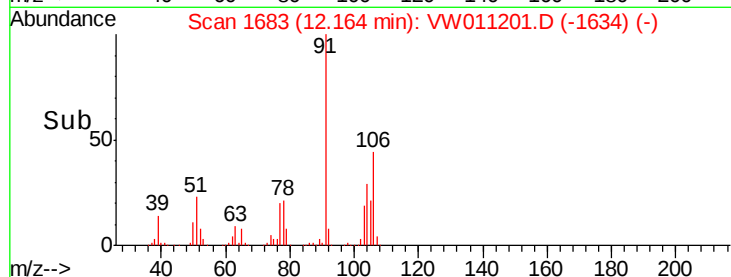
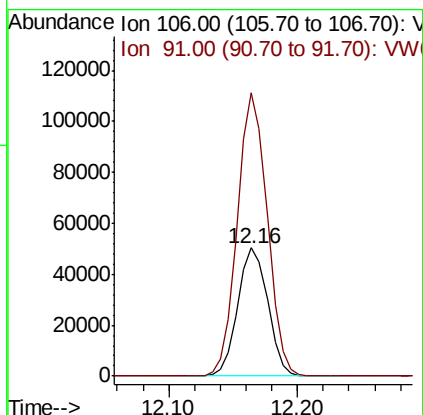
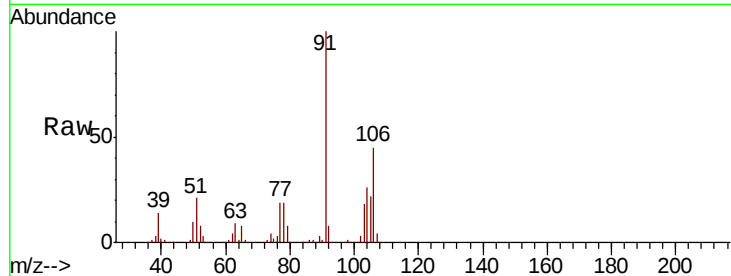




#69
o-Xylene
Concen: 19.669 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

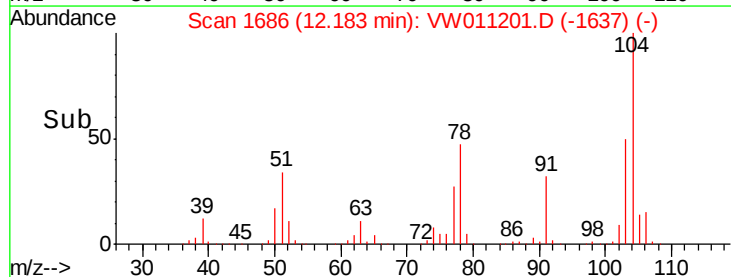
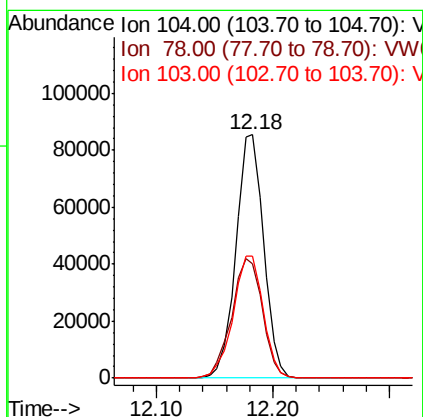
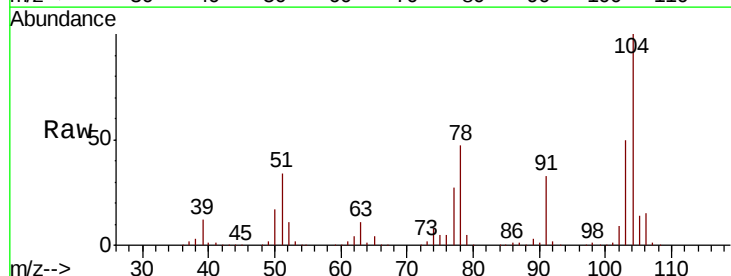
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

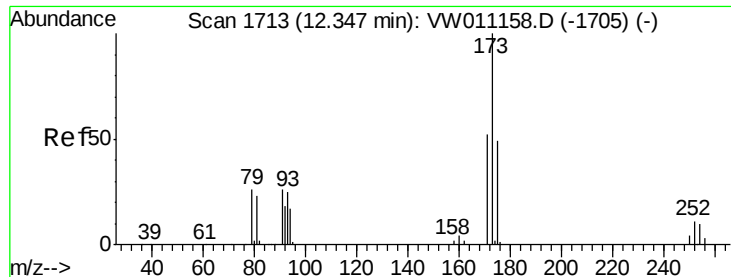
Tot Ion:106 Resp: 81403
Ion Ratio Lower Upper
106 100
91 219.8 110.7 332.1



#70
Styrene
Concen: 19.891 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion:104 Resp: 142068
Ion Ratio Lower Upper
104 100
78 54.7 43.1 64.7
103 54.7 44.1 66.1

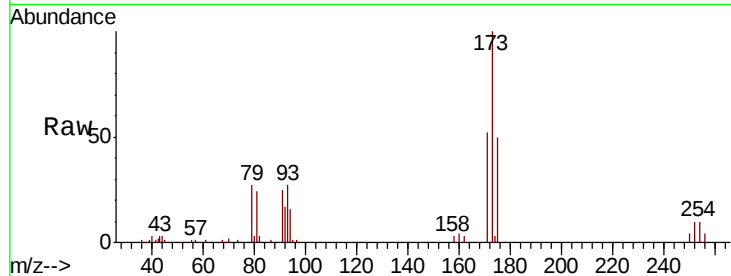




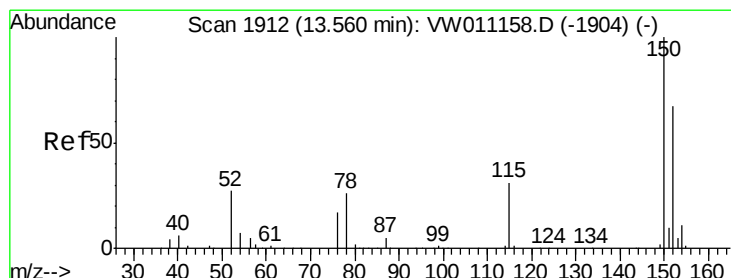
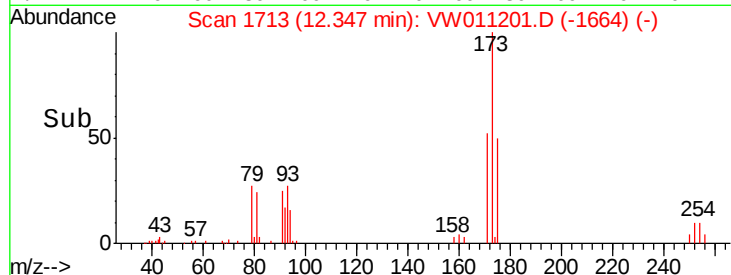
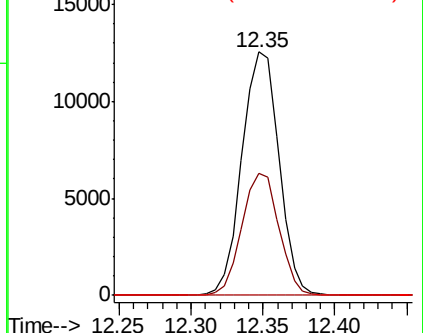
#71
Bromoform
Concen: 18.812 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion:173 Resp: 22324
Ion Ratio Lower Upper
173 100
175 50.0 24.8 74.3
254 0.0 0.0 0.0

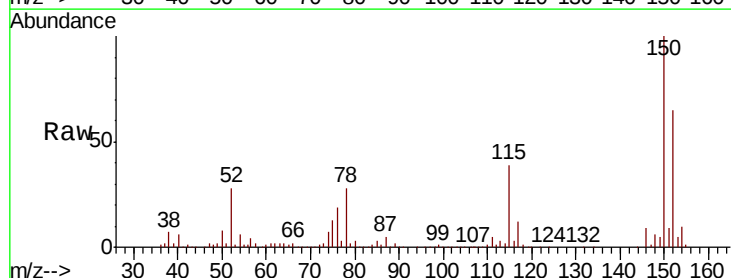


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

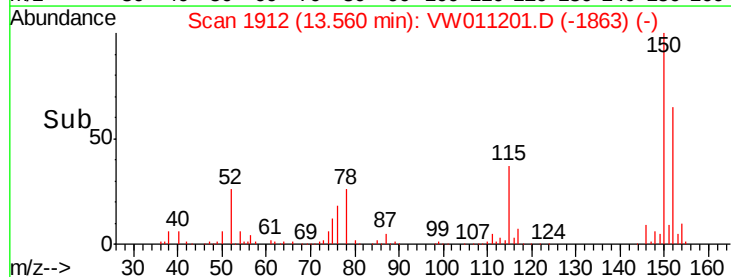
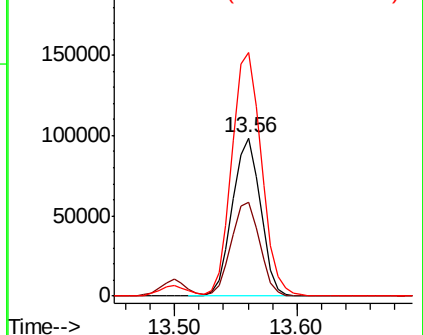


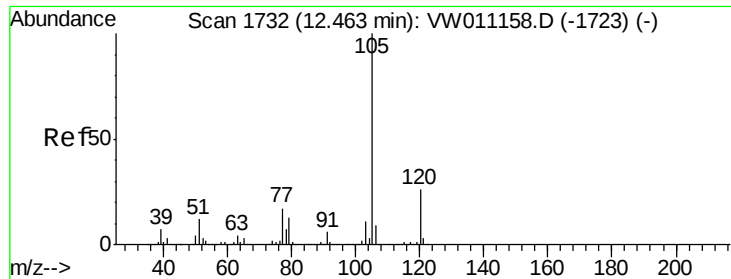
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion:152 Resp: 156353
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.3
150 162.2 0.0 346.0



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





#73

Isopropylbenzene

Concen: 18.833 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

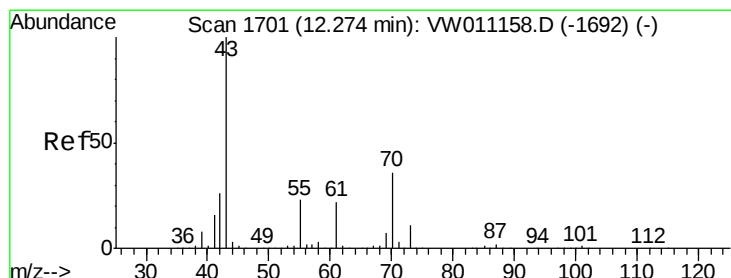
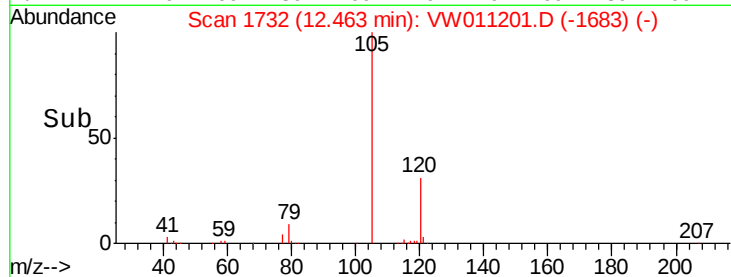
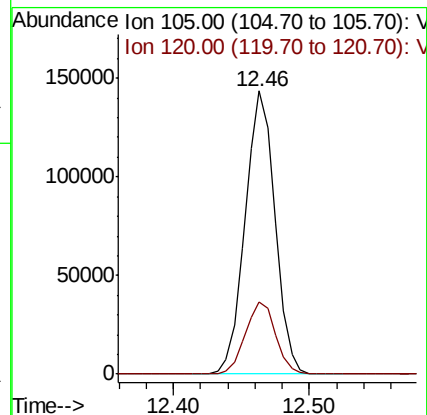
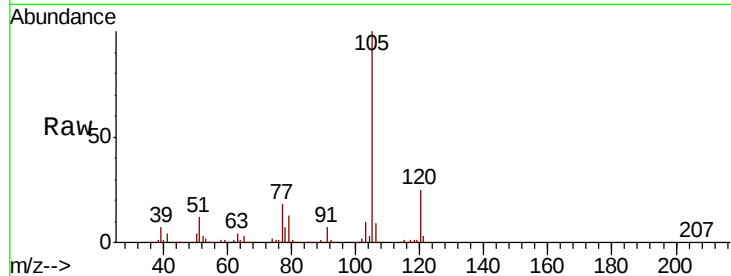
VW0711SBSD01

Tot Ion:105 Resp: 220123

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3



#74

N-ethyl acetate

Concen: 19.882 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Tgt Ion: 43 Resp: 80934

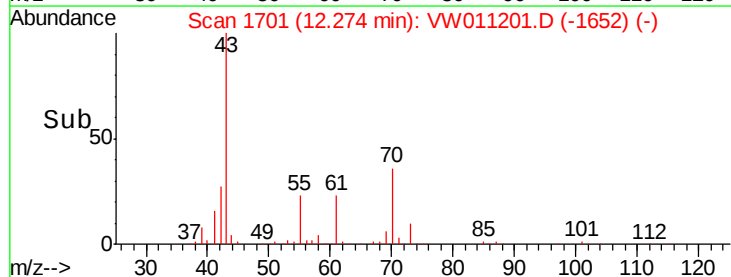
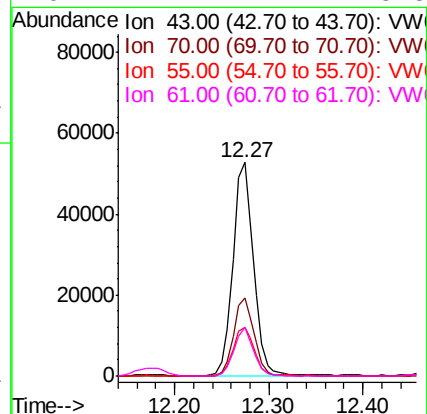
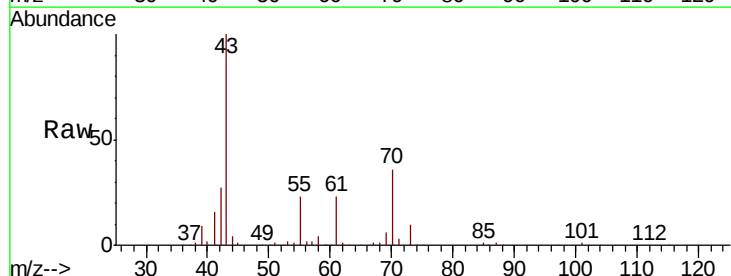
Ion Ratio Lower Upper

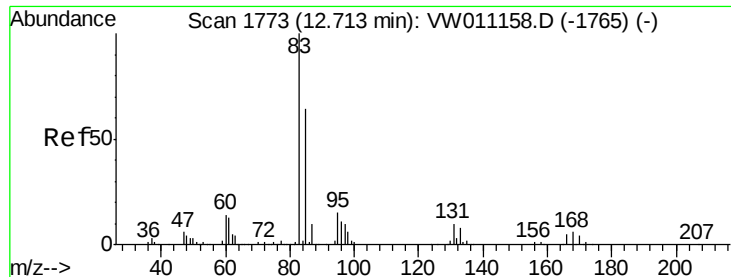
43 100

70 35.9 28.5 42.7

55 23.3 18.1 27.1

61 21.4 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.853 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

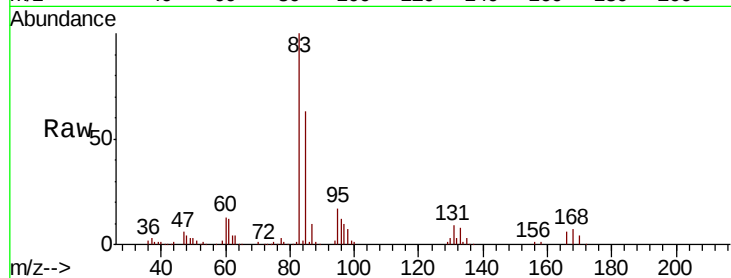
Tot Ion: 83 Resp: 47564

Ion Ratio Lower Upper

83 100

131 9.7 5.0 15.0

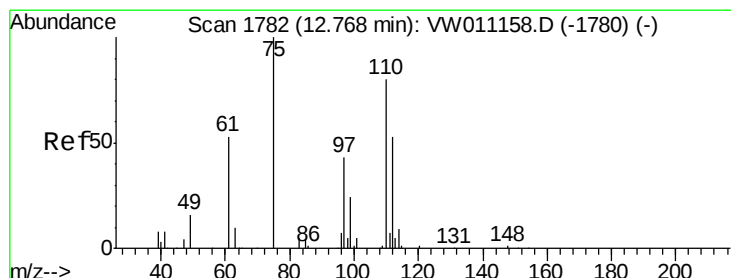
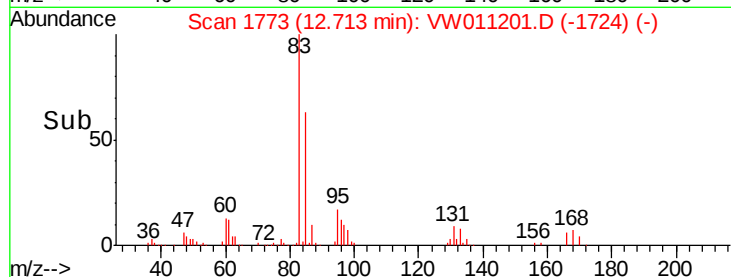
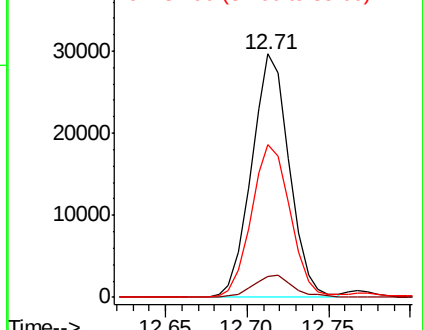
85 64.8 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 33.564 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011201.D

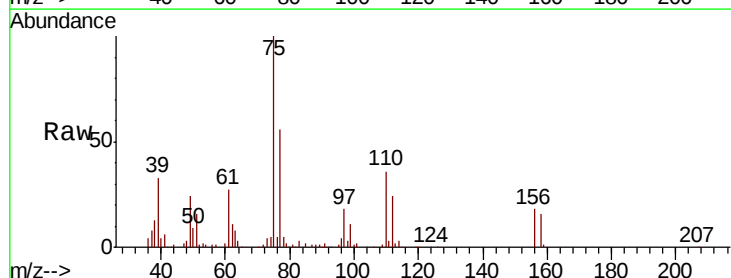
Acq: 10 Jul 2019 20:56

Tgt Ion: 75 Resp: 60646

Ion Ratio Lower Upper

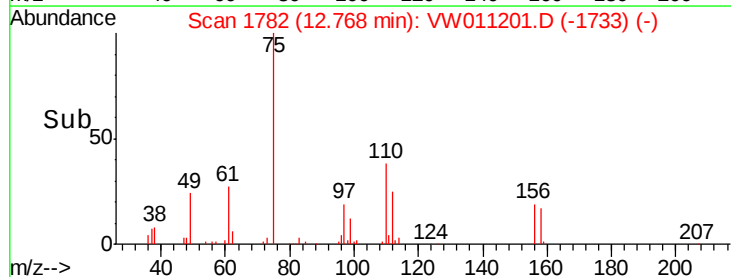
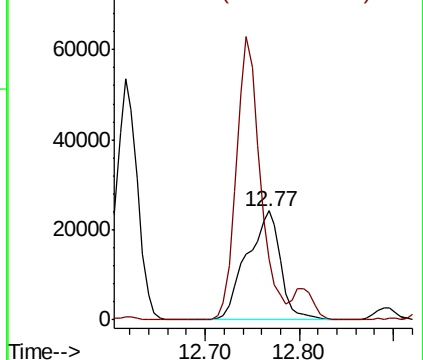
75 100

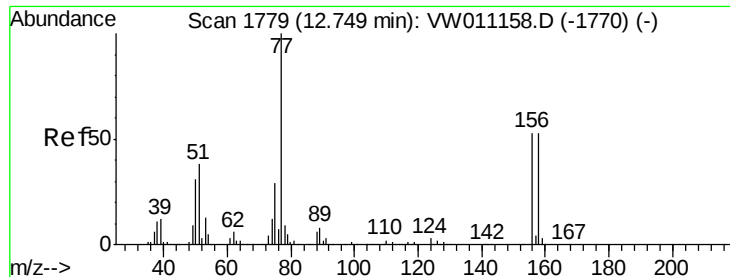
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.363 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

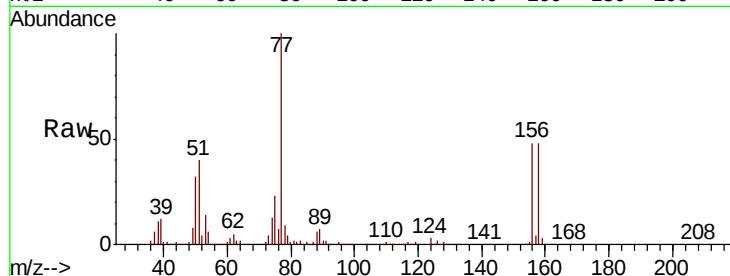
Tot Ion:156 Resp: 50789

Ion Ratio Lower Upper

156 100

77 220.4 109.0 327.0

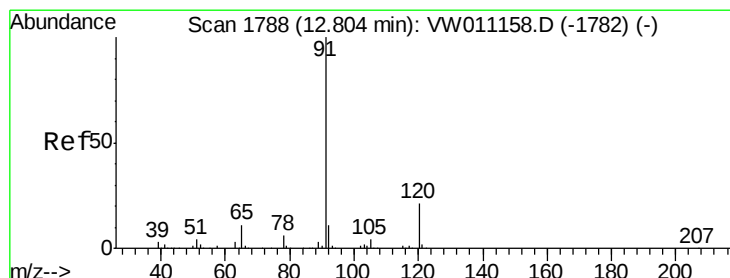
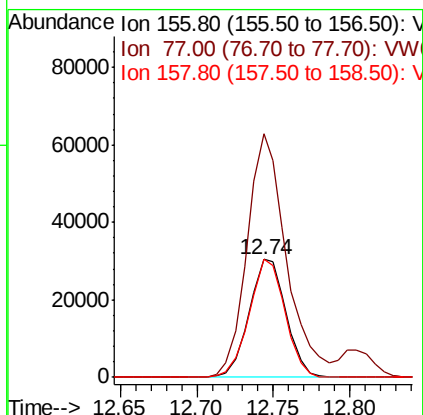
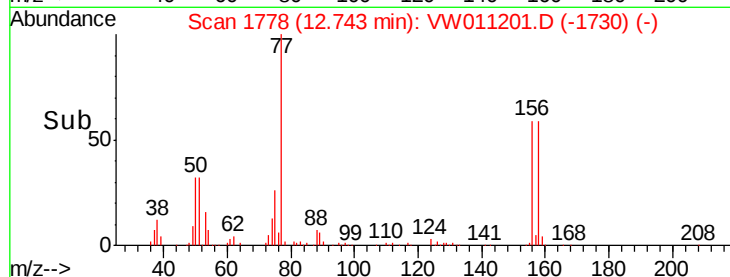
158 97.6 48.8 146.3



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: 18.812 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011201.D

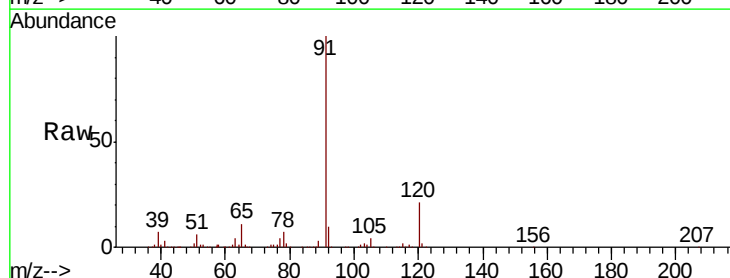
Acq: 10 Jul 2019 20:56

Tgt Ion: 91 Resp: 270853

Ion Ratio Lower Upper

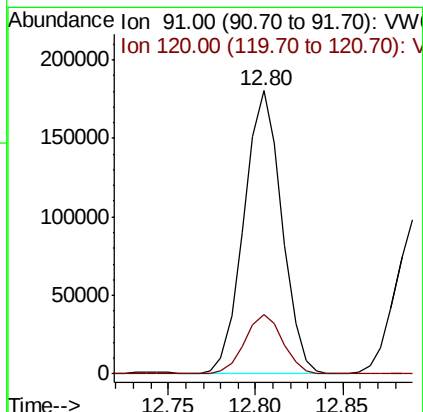
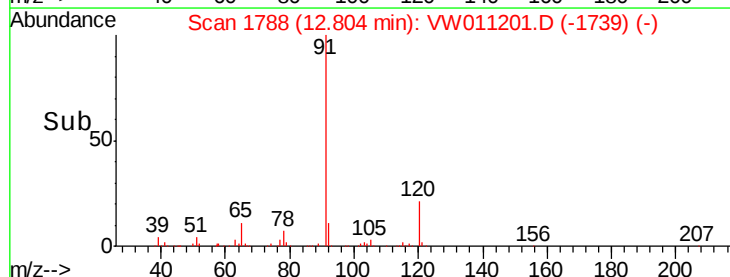
91 100

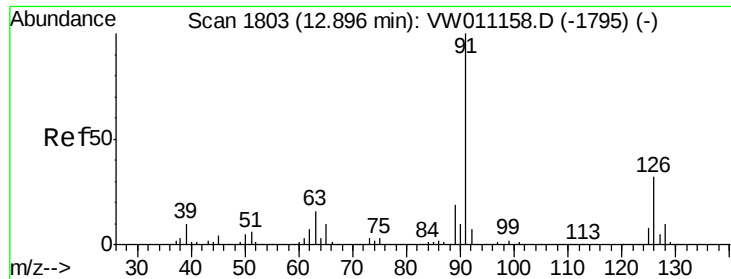
120 21.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

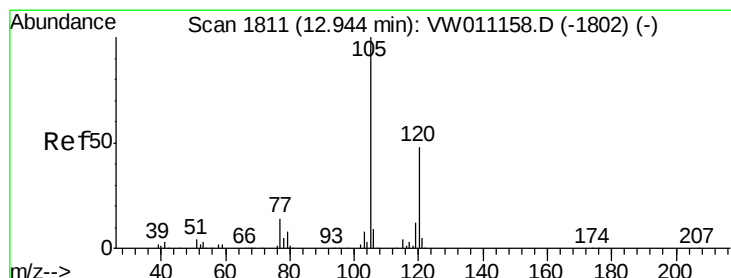
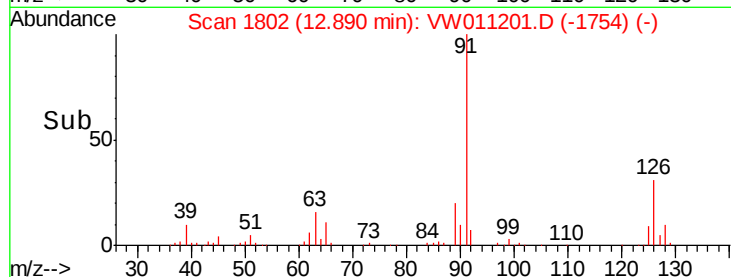
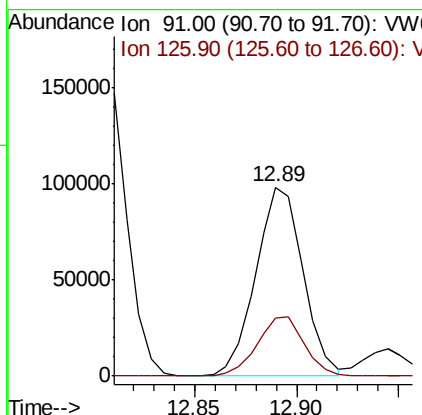
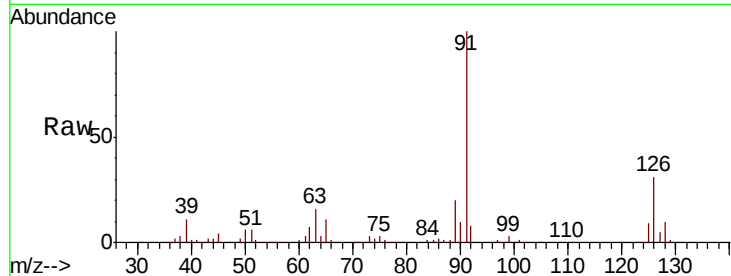




#79
2-Chlorotoluene
Concen: 19.084 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

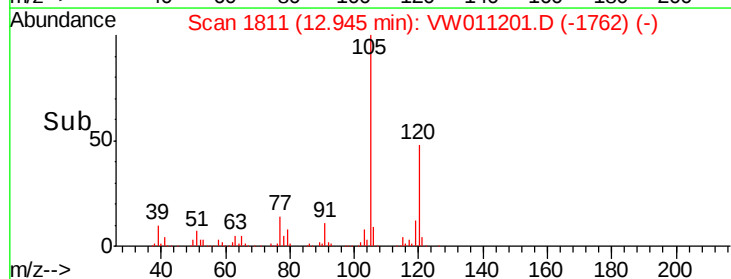
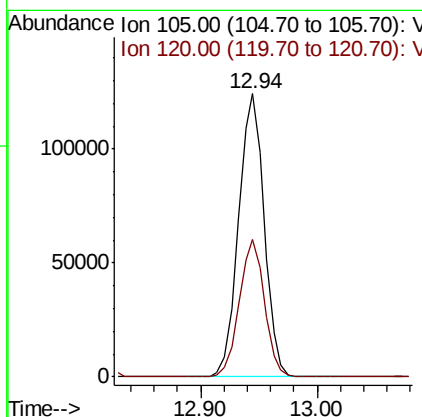
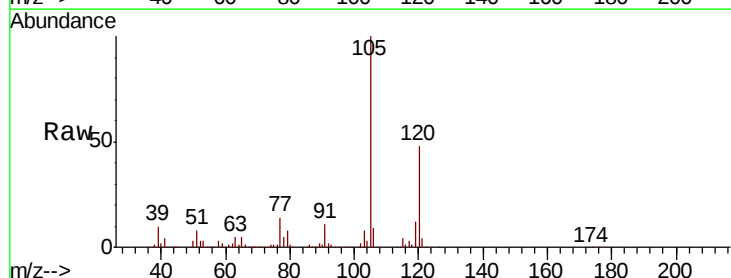
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

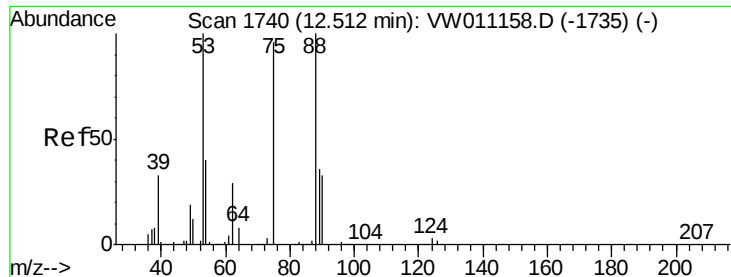
Tot Ion: 91 Resp: 158119
Ion Ratio Lower Upper
91 100
126 31.3 15.8 47.3



#80
1,3,5-Trimethylbenzene
Concen: 19.143 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion:105 Resp: 190080
Ion Ratio Lower Upper
105 100
120 47.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.130 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

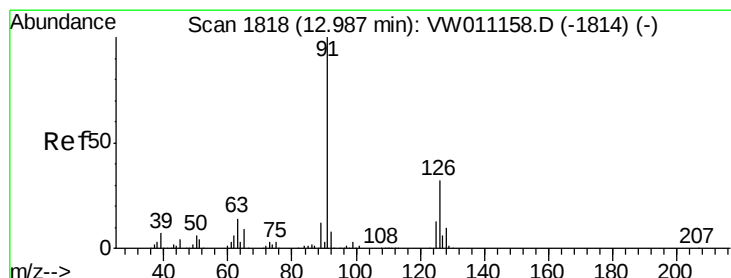
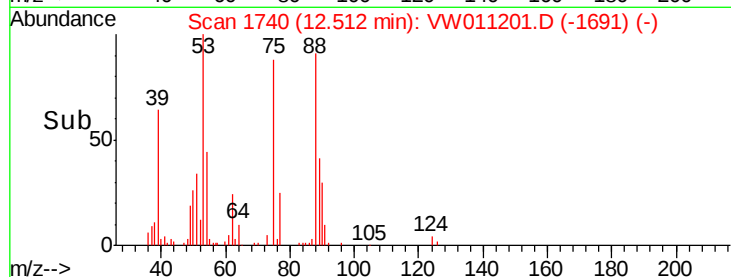
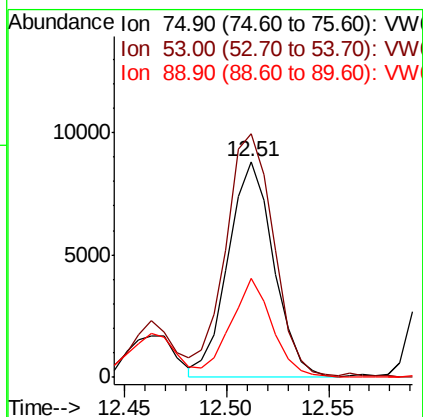
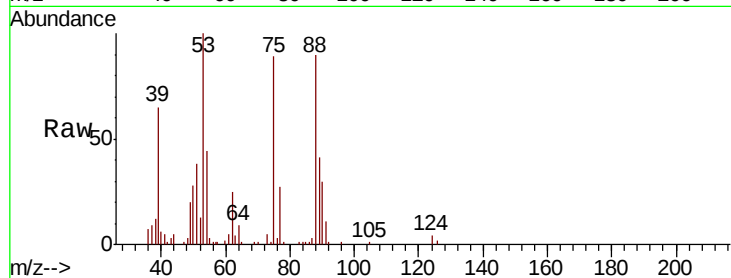
Tot Ion: 75 Resp: 13684

Ion Ratio Lower Upper

75 100

53 117.4 89.8 134.6

89 41.6 34.3 51.5



#82

4-Chlorotoluene

Concen: 19.531 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011201.D

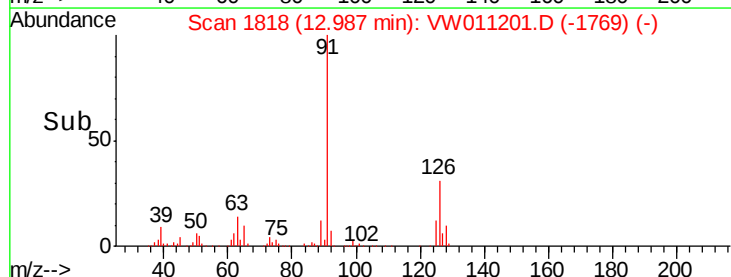
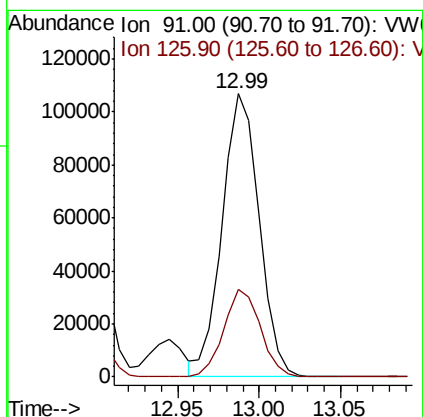
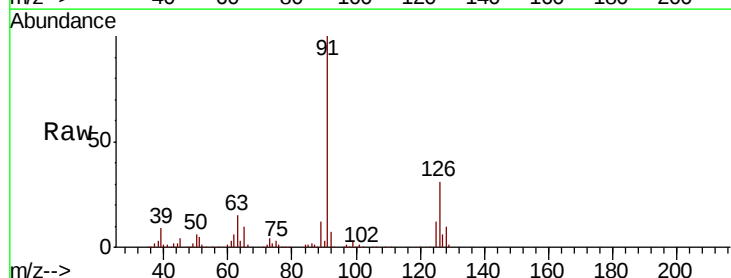
Acq: 10 Jul 2019 20:56

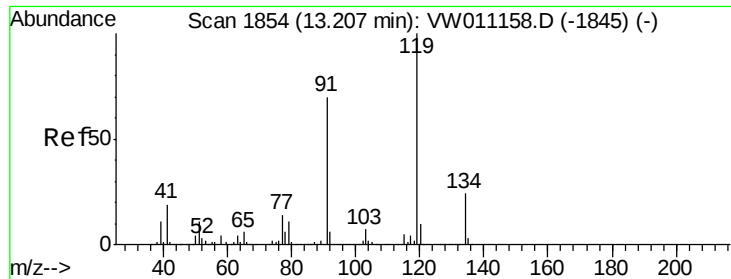
Tgt Ion: 91 Resp: 168549

Ion Ratio Lower Upper

91 100

126 30.8 15.7 47.1

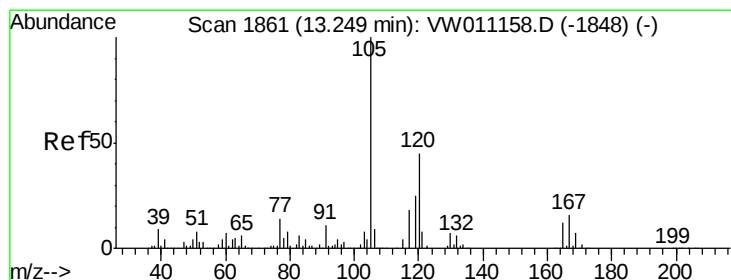
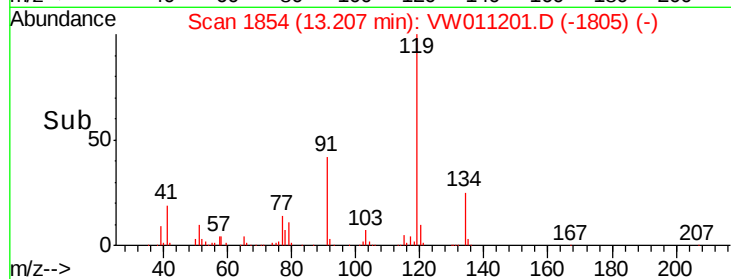
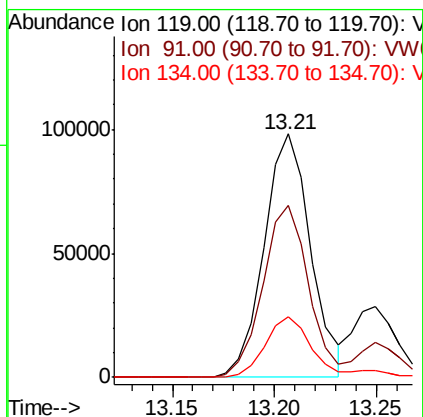
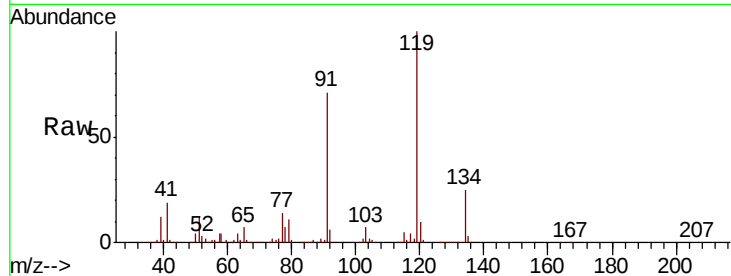




#83
tert-Butylbenzene
Concen: 18.889 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

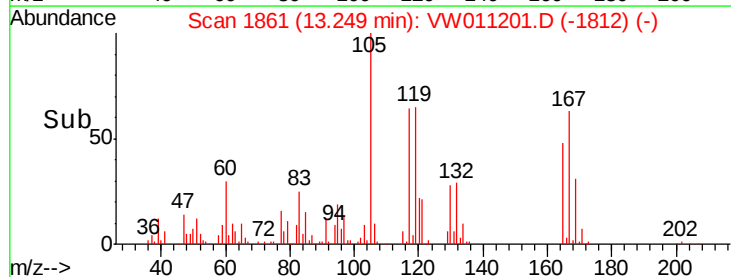
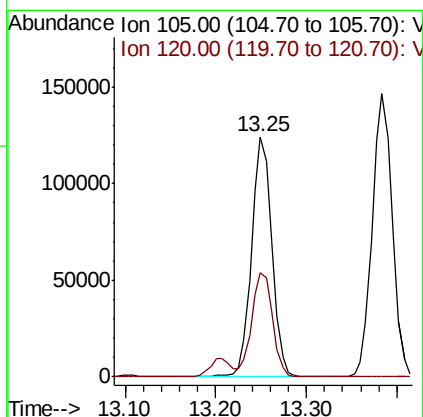
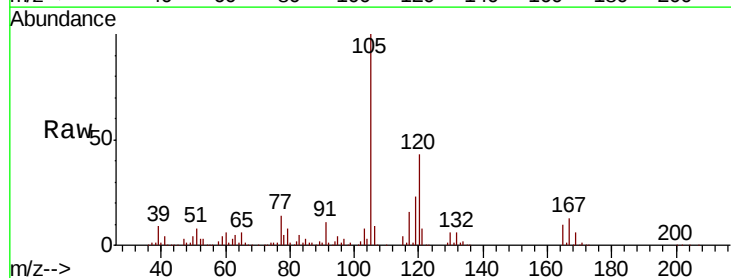
Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

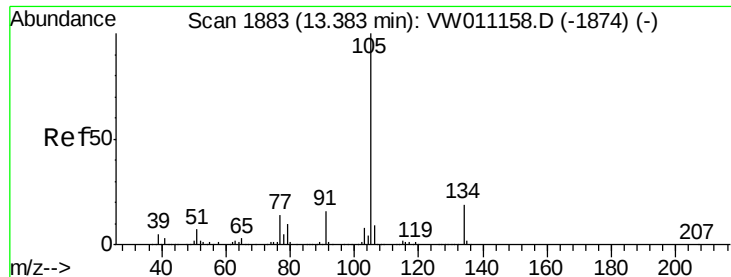
Tot Ion:119 Resp: 156420
Ion Ratio Lower Upper
119 100
91 69.3 35.4 106.3
134 24.6 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 19.281 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion:105 Resp: 192237
Ion Ratio Lower Upper
105 100
120 44.1 22.3 66.9





#85

sec-Butylbenzene

Concen: 18.705 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

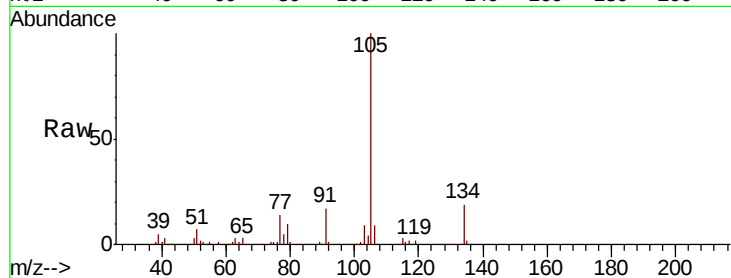
VW0711SBSD01

Tot Ion:105 Resp: 223508

Ion Ratio Lower Upper

105 100

134 19.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

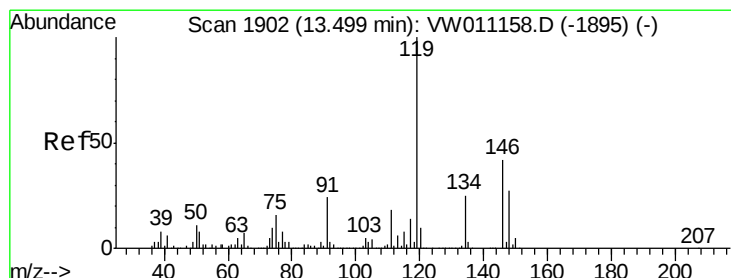
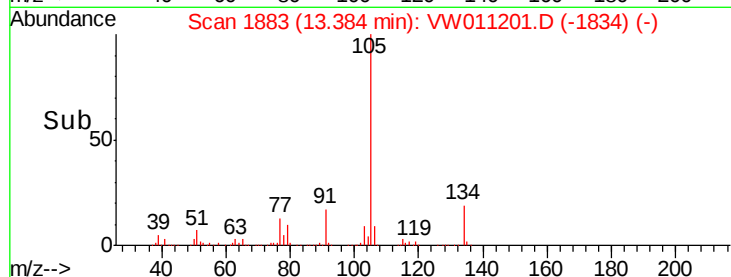
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.621 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

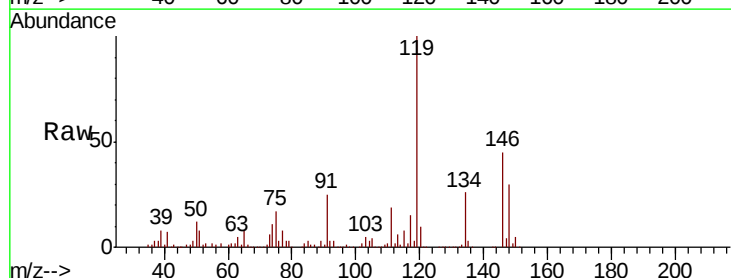
Tgt Ion:119 Resp: 199575

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.6

91 25.5 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

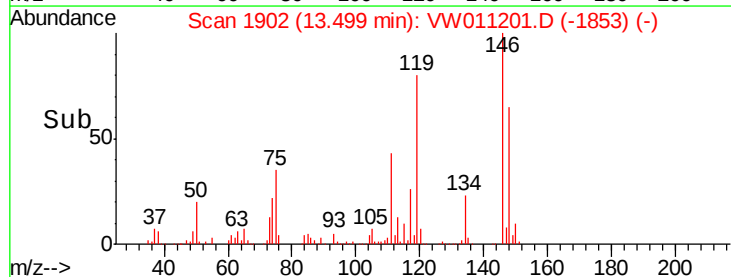
150000

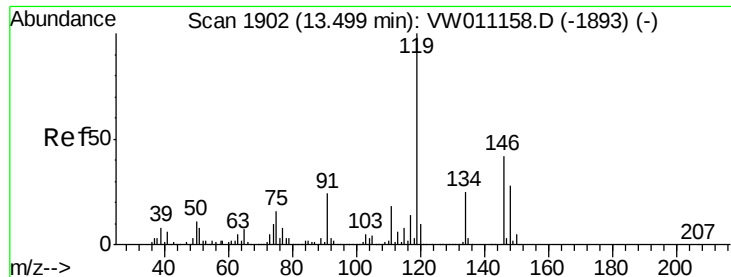
100000

50000

0

Time-->

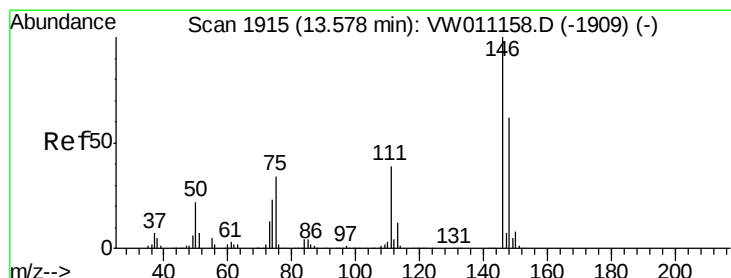
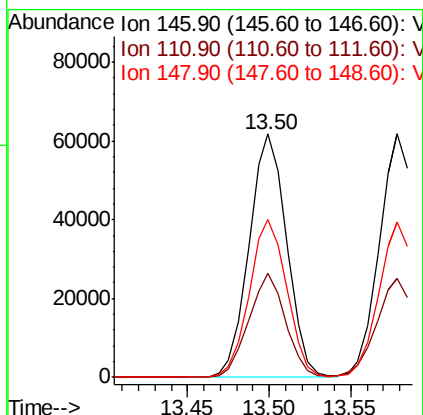
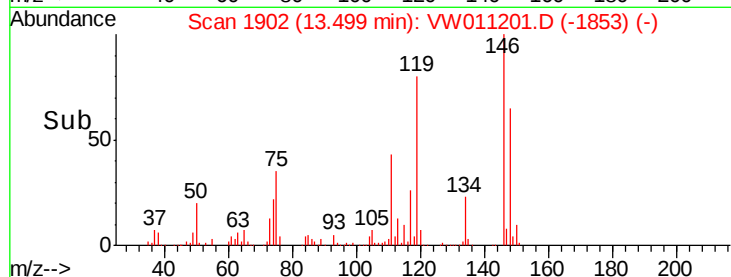
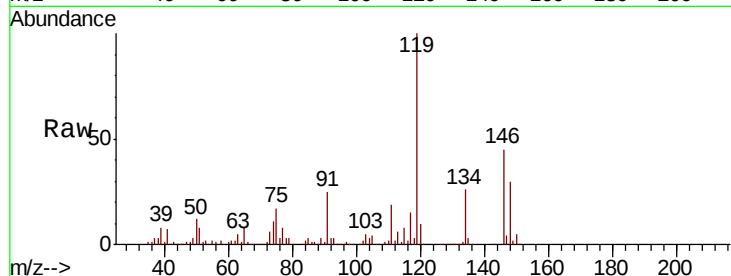




#87
 1,3-Dichlorobenzene
 Concen: 19.684 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

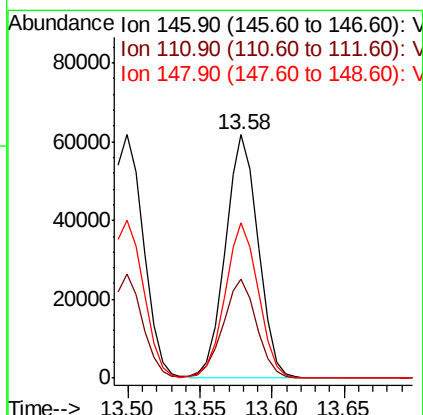
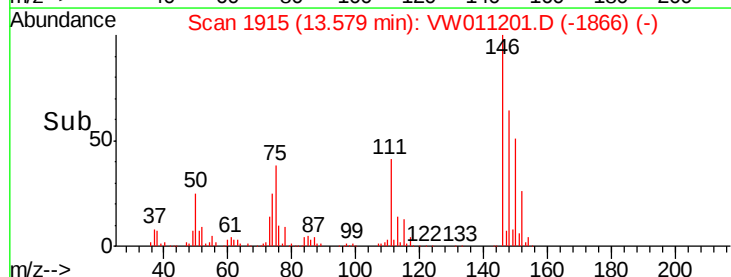
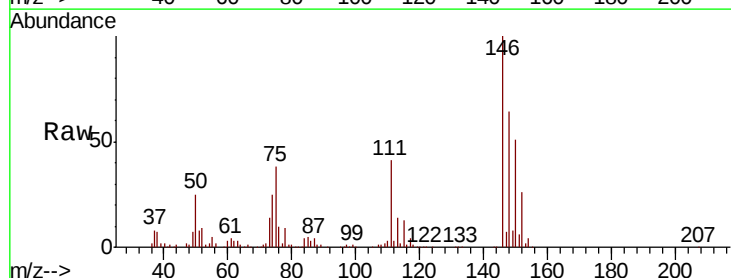
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

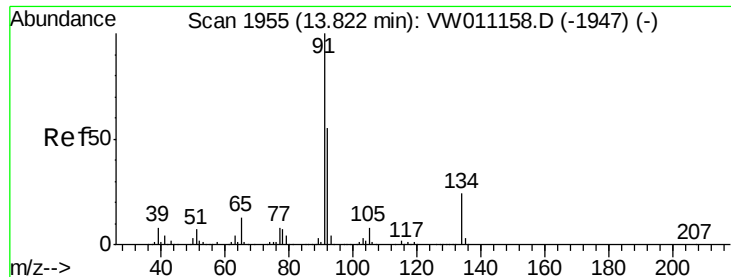
Tot Ion:146 Resp: 99338
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.1 63.1
 148 64.3 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 19.350 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion:146 Resp: 98336
 Ion Ratio Lower Upper
 146 100
 111 42.4 19.9 59.7
 148 64.8 31.5 94.5





#89

n-Butylbenzene

Concen: 18.557 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

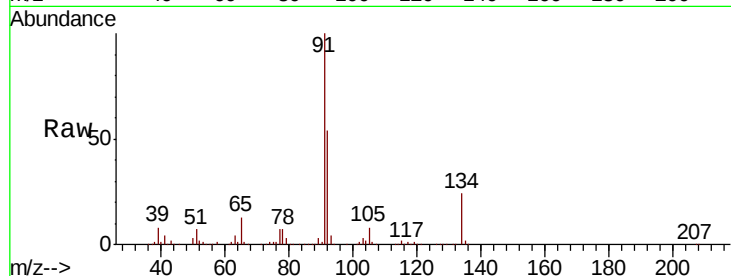
Tot Ion: 91 Resp: 198407

Ion Ratio Lower Upper

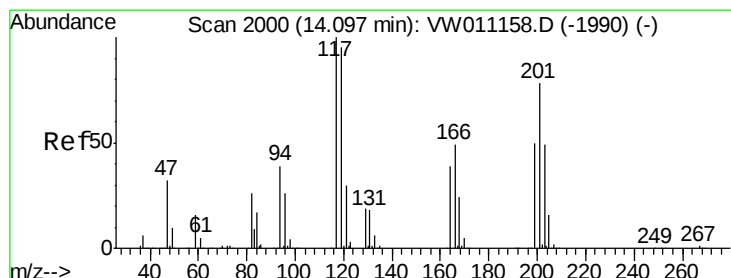
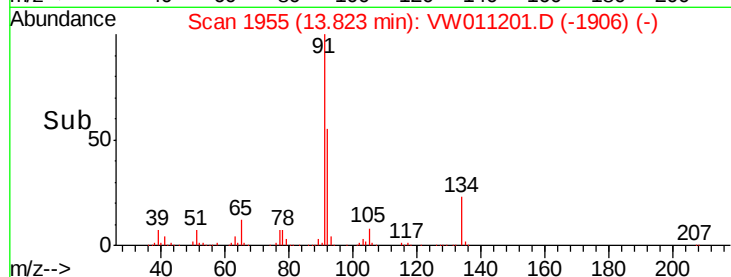
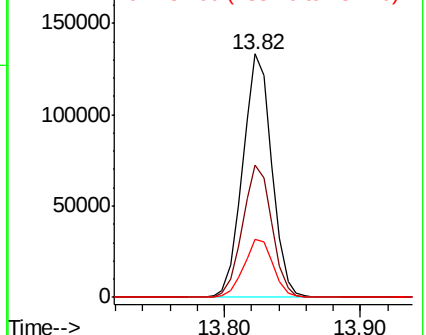
91 100

92 54.8 26.9 80.7

134 24.1 12.2 36.4



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: 17.843 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW011201.D

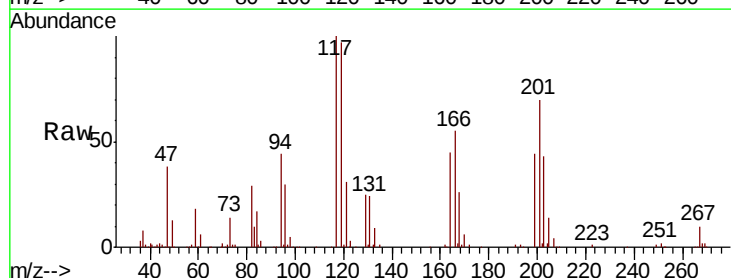
Acq: 10 Jul 2019 20:56

Tgt Ion: 117 Resp: 34946

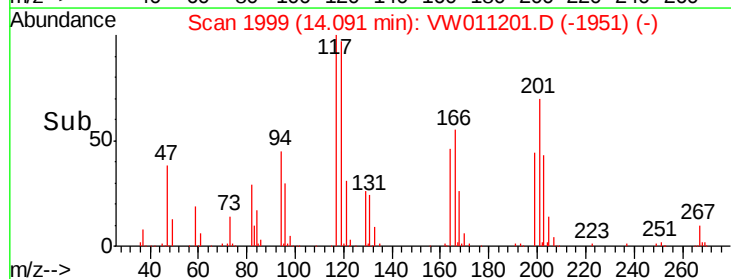
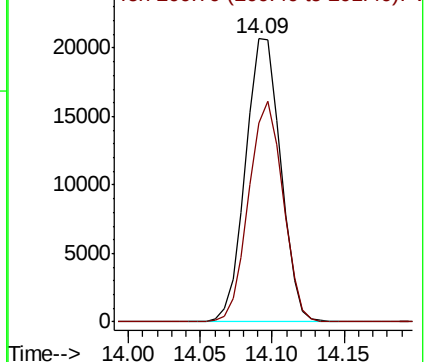
Ion Ratio Lower Upper

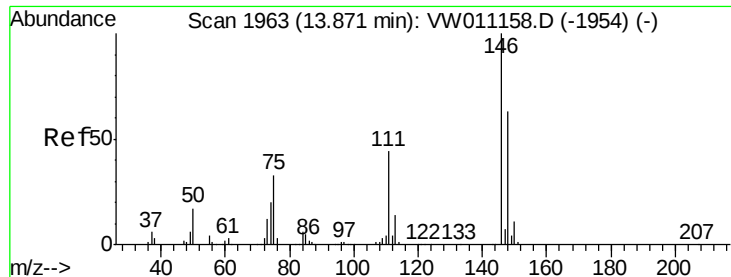
117 100

201 76.0 38.3 114.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.656 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

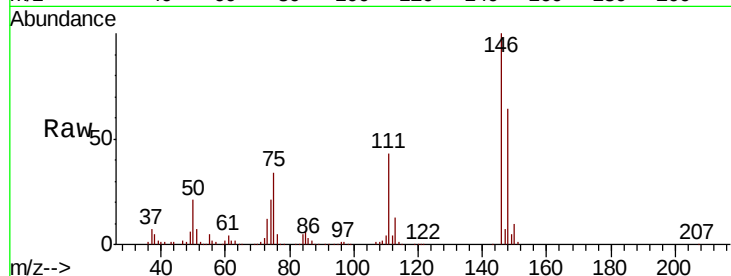
Tot Ion:146 Resp: 89993

Ion Ratio Lower Upper

146 100

111 43.1 21.6 65.0

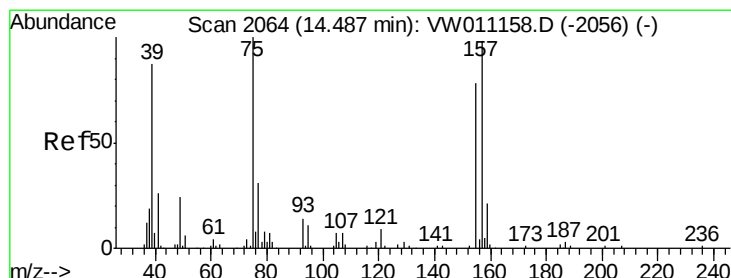
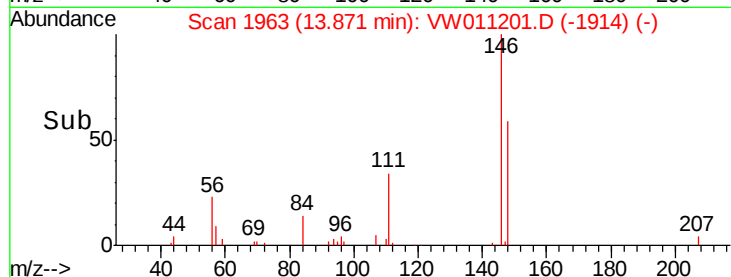
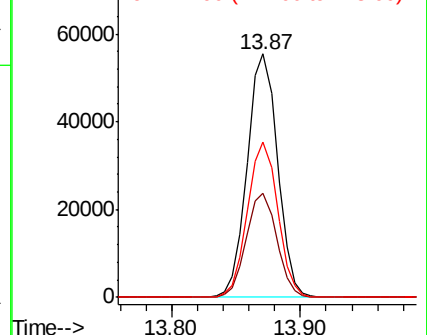
148 63.7 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.811 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

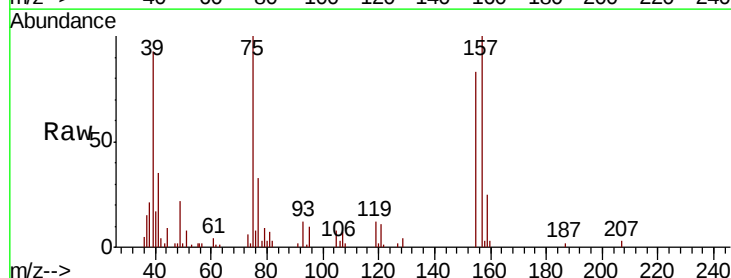
Tgt Ion: 75 Resp: 7994

Ion Ratio Lower Upper

75 100

155 75.0 37.1 111.3

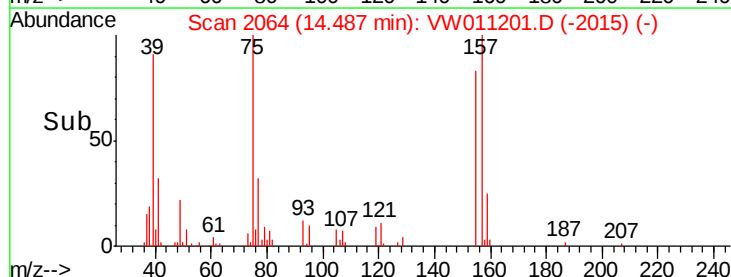
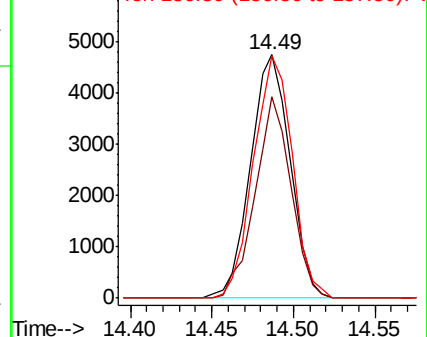
157 97.3 48.5 145.6

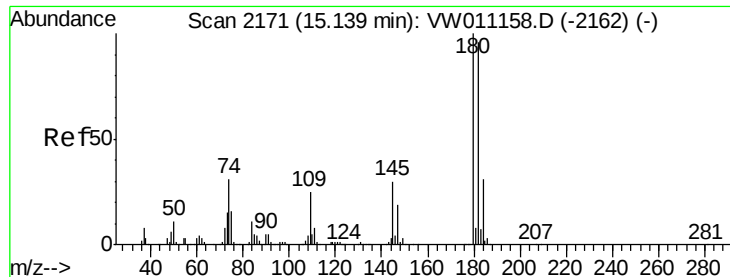


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

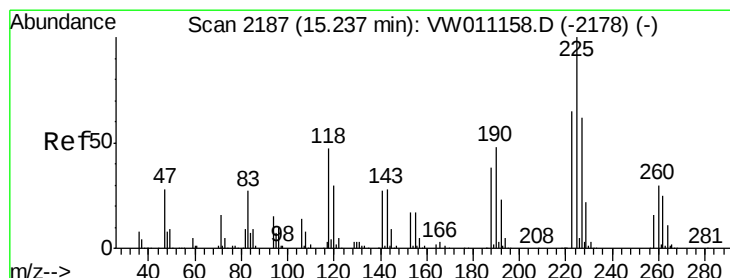
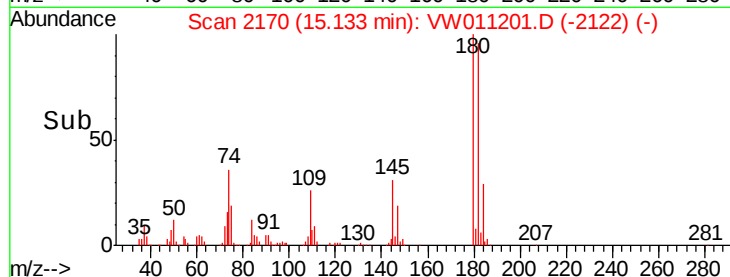
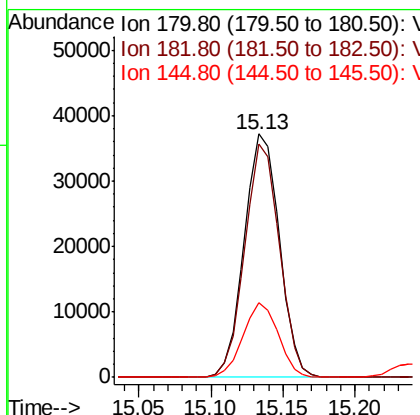
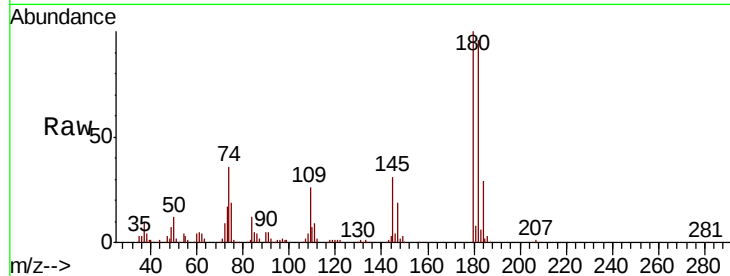




#93
 1,2,4-Trichlorobenzene
 Concen: 19.900 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

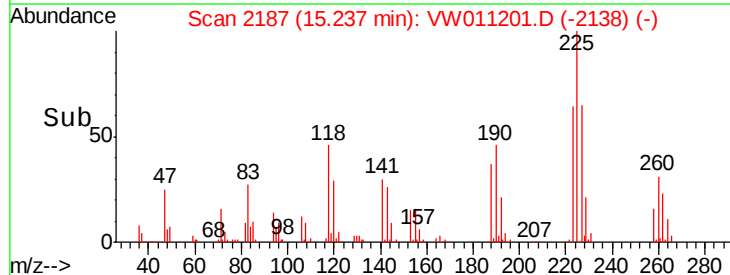
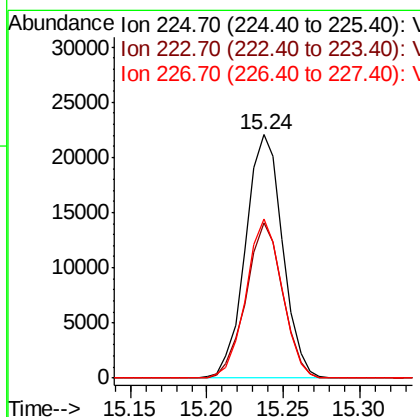
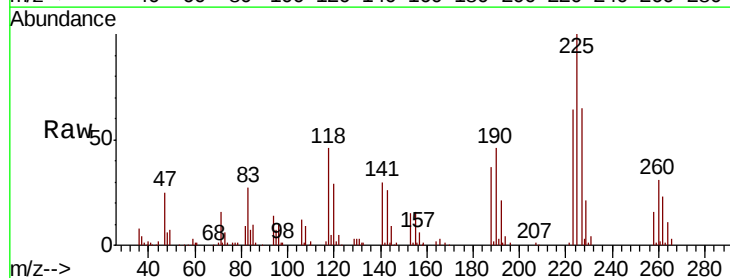
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

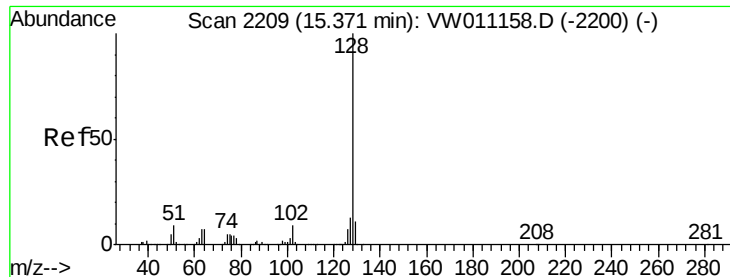
Tot Ion:180 Resp: 62753
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.3 144.9
 145 30.8 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 19.180 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion:225 Resp: 37133
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.6 95.0
 227 63.6 32.0 96.0

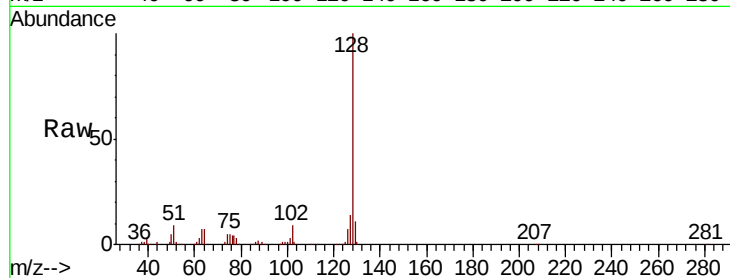




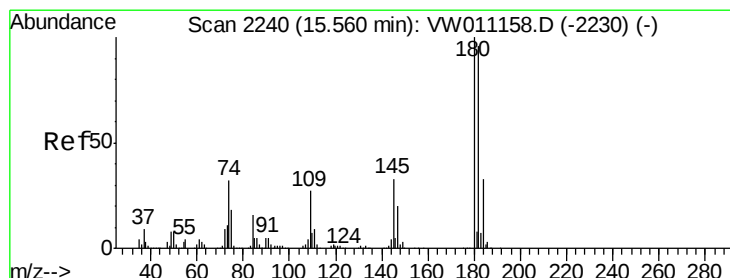
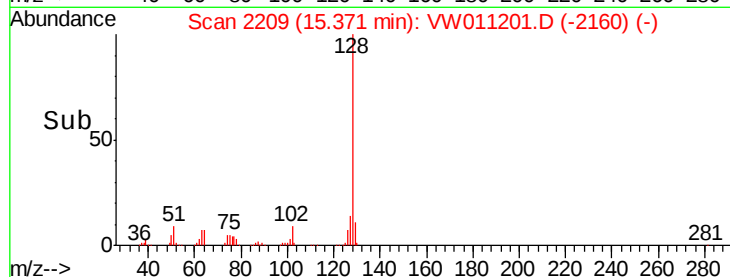
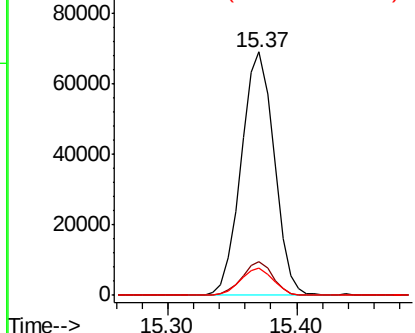
#95
Naphthalene
Concen: 20.232 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion:128 Resp: 122258
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 11.1 8.7 13.1

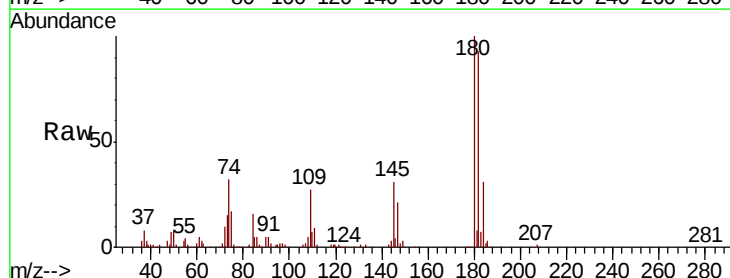


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.281 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion:180 Resp: 56444
Ion Ratio Lower Upper
180 100
182 93.9 47.6 142.8
145 32.0 16.5 49.5



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

