

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030819\
 Data File : VW009074.D
 Acq On : 08 Mar 2019 23:59
 Operator : SY/VA
 Sample : K1785-13MS
 Misc : 4.74G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MS

Quant Time: Mar 09 01:22:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	252400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	184267	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	131423	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
35) Dibromofluoromethane	7.88	113	112857	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
50) Toluene-d8	10.32	98	486244	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
62) 4-Bromofluorobenzene	12.62	95	175199	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	111267	43.742	ug/l	100
3) Chloromethane	2.21	50	149122	46.148	ug/l	98
4) Vinyl Chloride	2.35	62	147595	45.008	ug/l	97
5) Bromomethane	2.76	94	144590	52.233	ug/l	100
6) Chloroethane	2.92	64	105489	45.185	ug/l	100
7) Trichlorofluoromethane	3.26	101	198565	47.027	ug/l	100
8) Diethyl Ether	3.68	74	63477	49.167	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	113353	43.104	ug/l	97
10) Methyl Iodide	4.27	142	60259	22.965	ug/l	97
11) Tert butyl alcohol	5.18	59	42599	218.912	ug/l	96
12) 1,1-Dichloroethene	4.03	96	101856	44.902	ug/l	99
13) Acrolein	3.90	56	13678	63.876	ug/l	95
14) Allyl chloride	4.67	41	177325	44.317	ug/l	100
15) Acrylonitrile	5.37	53	137469	243.964	ug/l	99
16) Acetone	4.13	43	107366	187.364	ug/l	98
17) Carbon Disulfide	4.38	76	355614	46.594	ug/l	100
18) Methyl Acetate	4.67	43	173987	132.038	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	295827	49.299	ug/l	98
20) Methylene Chloride	4.91	84	135623	50.350	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	121092	46.232	ug/l	98
22) Diisopropyl ether	6.31	45	363670	45.735	ug/l	96
23) Vinyl Acetate	6.26	43	144458	29.193	ug/l	98
24) 1,1-Dichloroethane	6.21	63	214825	46.578	ug/l	99
25) 2-Butanone	7.17	43	175659	221.807	ug/l	99
26) 2,2-Dichloropropane	7.17	77	172605	41.172	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	131361	46.697	ug/l	99
28) Bromochloromethane	7.51	49	92228	48.075	ug/l	100
29) Tetrahydrofuran	7.52	42	120683	241.818	ug/l	99
30) Chloroform	7.67	83	229201	48.269	ug/l	98
31) Cyclohexane	7.95	56	191548	40.447	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	203414	46.419	ug/l	99
36) 1,1-Dichloropropene	8.08	75	171533	45.913	ug/l	99
37) Ethyl Acetate	7.25	43	60919	34.714	ug/l	97
38) Carbon Tetrachloride	8.06	117	182081	47.192	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	175037	39.335	ug/l	98
40) Benzene	8.32	78	489236	49.055	ug/l	98
41) Methacrylonitrile	7.49	41	44369	45.530	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	156769	48.690	ug/l	99
43) Isopropyl Acetate	8.42	43	128766	39.398	ug/l	96
44) Trichloroethene	9.09	130	131184	46.931	ug/l	93
45) 1,2-Dichloropropane	9.37	63	122803	49.164	ug/l	97
46) Dibromomethane	9.46	93	67424	49.425	ug/l	98
47) Bromodichloromethane	9.65	83	169179	48.992	ug/l	98
48) Methyl methacrylate	9.43	41	92328	60.668	ug/l	96
49) 1,4-Dioxane	9.46	88	19236	984.716	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	424508	255.843	ug/l	99
52) Toluene	10.39	92	338667	50.072	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	161199	47.198	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	182700	46.550	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	93341	50.483	ug/l	95
56) Ethyl methacrylate	10.65	69	81893	35.688	ug/l	98
57) 1,3-Dichloropropane	10.93	76	162642	49.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	295085	248.053	ug/l	100
59) 2-Hexanone	10.97	43	287413	246.370	ug/l	99
60) Dibromochloromethane	11.13	129	112794	49.294	ug/l	99
61) 1,2-Dibromoethane	11.23	107	89504	49.379	ug/l	99
64) Tetrachloroethene	10.86	164	121586	47.895	ug/l	97
65) Chlorobenzene	11.66	112	368989	48.157	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	125317	48.983	ug/l	98
67) Ethyl Benzene	11.73	91	655768	47.375	ug/l	99
68) m/p-Xylenes	11.84	106	519825	95.142	ug/l	99
69) o-Xylene	12.16	106	241243	47.454	ug/l	99
70) Styrene	12.18	104	395030	48.027	ug/l	99
71) Bromoform	12.35	173	69328	50.468	ug/l #	98
73) Isopropylbenzene	12.46	105	646061	48.960	ug/l	99
74) N-amyl acetate	12.27	43	72042	23.062	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	110603	53.137	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	149113	102.422	ug/l #	1
77) Bromobenzene	12.75	156	156472	51.897	ug/l	97
78) n-propylbenzene	12.80	91	749894	46.137	ug/l	100
79) 2-Chlorotoluene	12.90	91	438650	48.034	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	527875	46.409	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	31626	48.589	ug/l	96
82) 4-Chlorotoluene	12.99	91	465919	47.863	ug/l	99
83) tert-Butylbenzene	13.21	119	435811	45.430	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	536859	46.658	ug/l	99
85) sec-Butylbenzene	13.38	105	595910	41.927	ug/l	99
86) p-Isopropyltoluene	13.50	119	534114	42.007	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	297040	46.879	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	296242	47.309	ug/l	98
89) n-Butylbenzene	13.83	91	453865	37.549	ug/l	100
90) Hexachloroethane	14.10	117	89521	40.823	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	269990	48.295	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21130	56.996	ug/l	99

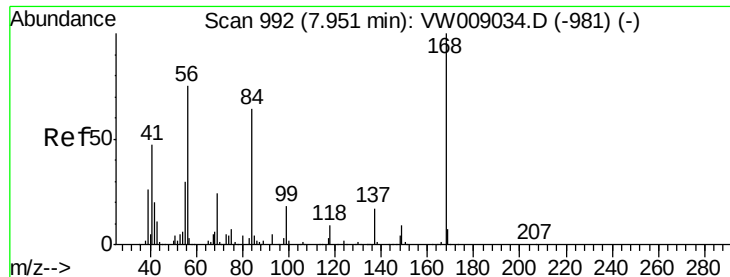
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	144204	38.195	ug/l	96
94) Hexachlorobutadiene	15.24	225	63345	26.786	ug/l	99
95) Naphthalene	15.37	128	287258	46.480	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	127501	38.405	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

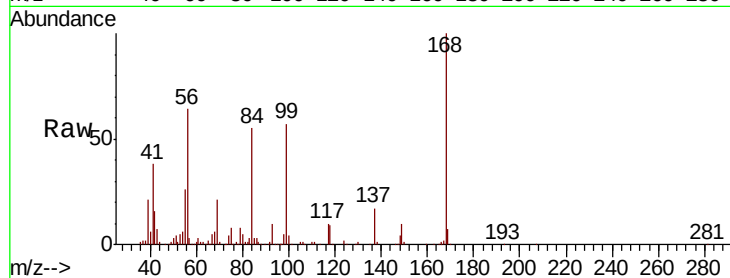
SD2-0.5-1.0MS

Tot Ion:168 Resp: 252400

Ion Ratio Lower Upper

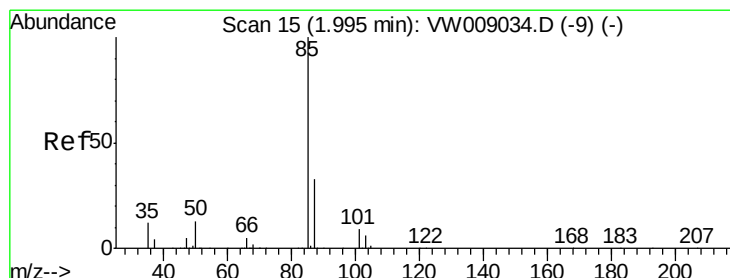
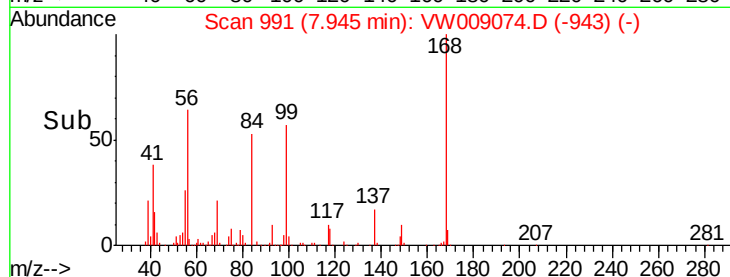
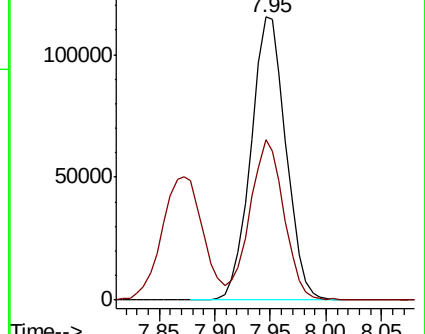
168 100

99 56.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 43.742 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009074.D

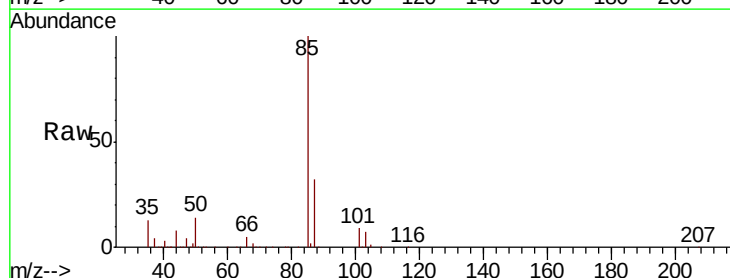
Acq: 08 Mar 2019 23:59

Tgt Ion: 85 Resp: 111267

Ion Ratio Lower Upper

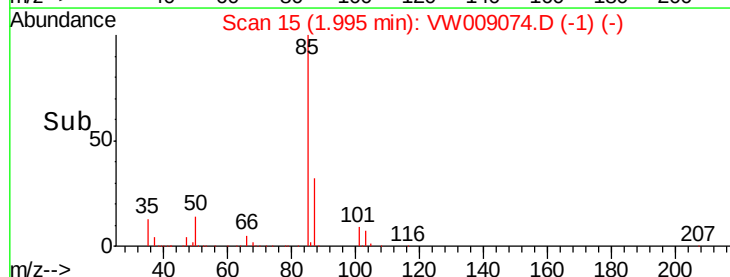
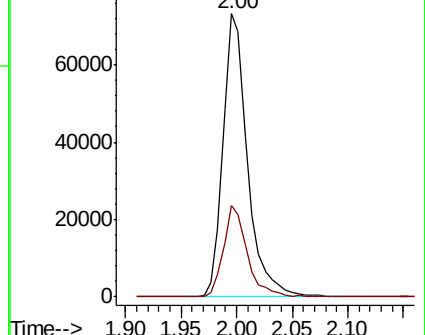
85 100

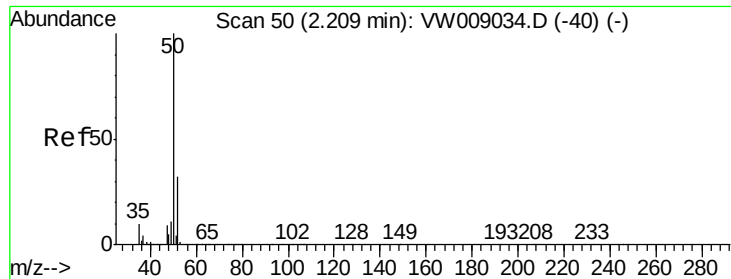
87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.148 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

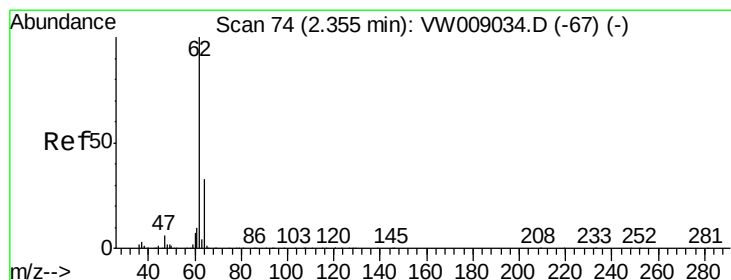
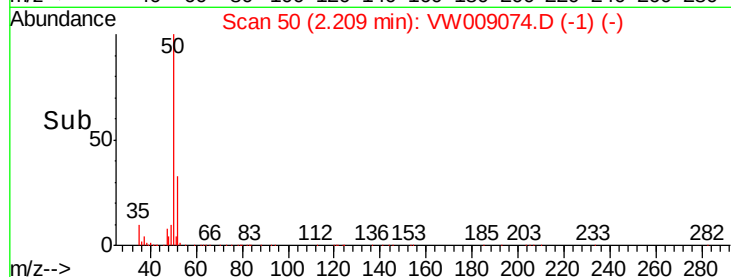
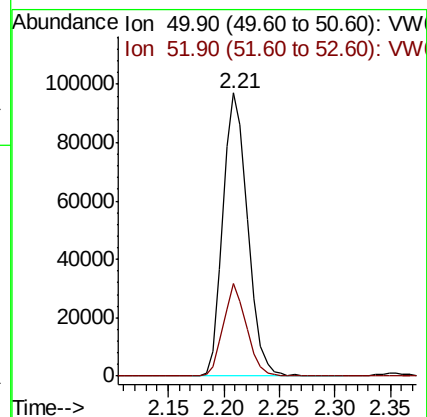
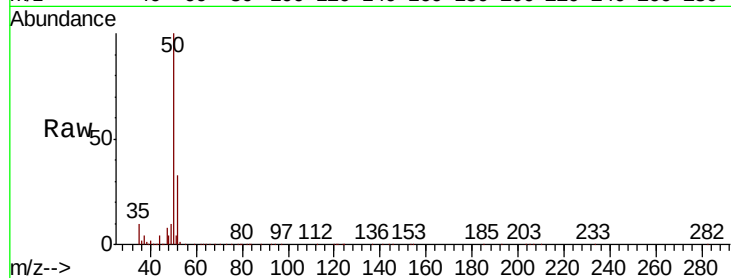
SD2-0.5-1.0MS

Tot Ion: 50 Resp: 149122

Ion Ratio Lower Upper

50 100

52 32.9 25.4 38.2



#4

Vinyl Chloride

Concen: 45.008 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009074.D

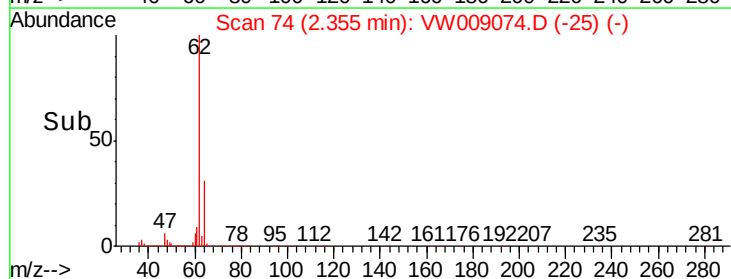
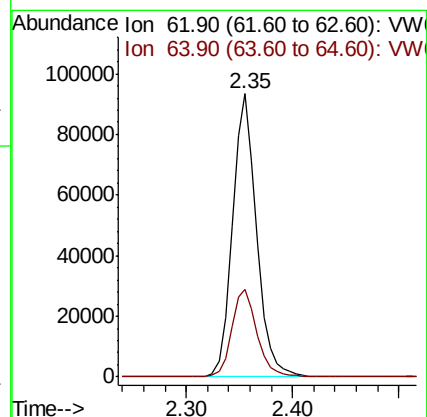
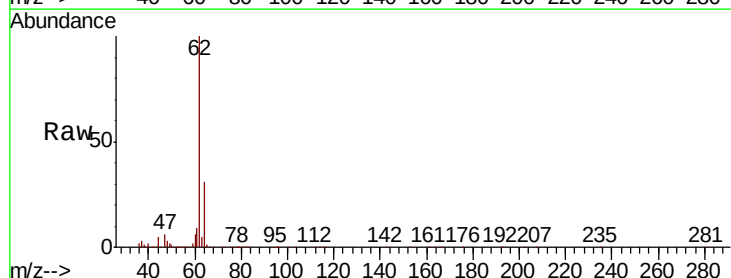
Acq: 08 Mar 2019 23:59

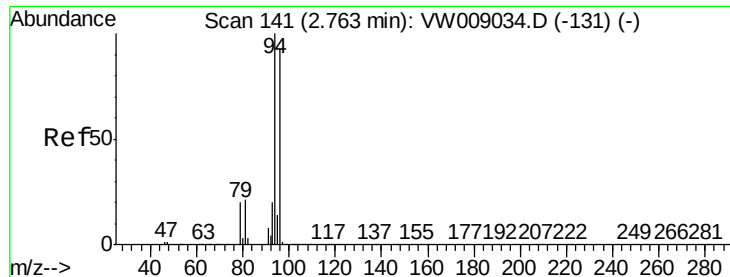
Tgt Ion: 62 Resp: 147595

Ion Ratio Lower Upper

62 100

64 31.0 26.0 39.0





#5

Bromomethane

Concen: 52.233 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

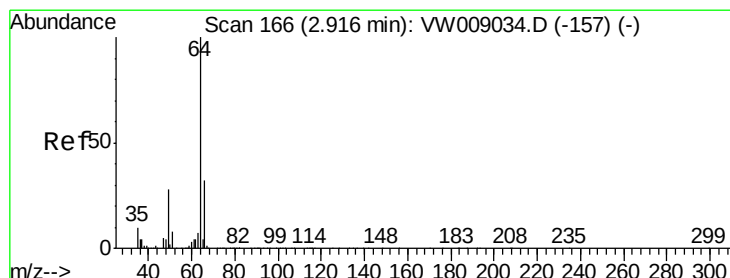
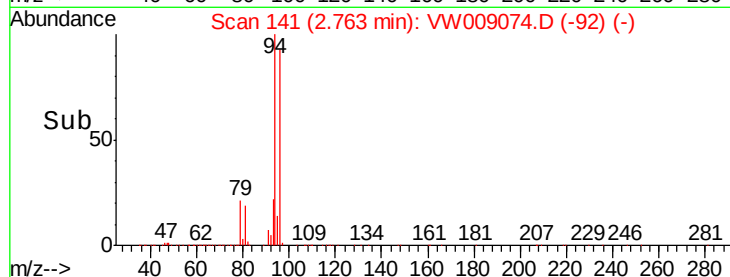
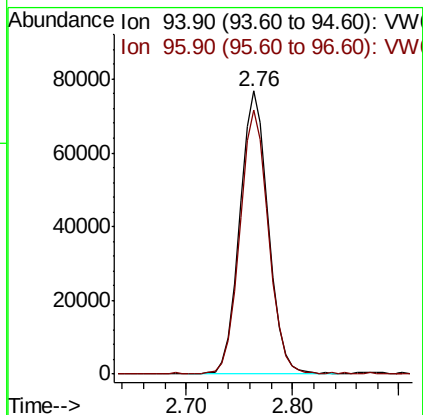
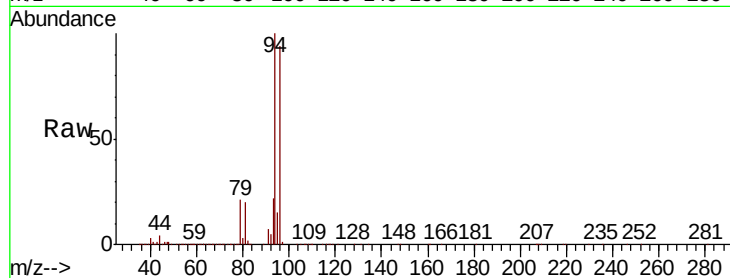
SD2-0.5-1.0MS

Tot Ion: 94 Resp: 144590

Ion Ratio Lower Upper

94 100

96 93.2 74.4 111.6



#6

Chloroethane

Concen: 45.185 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009074.D

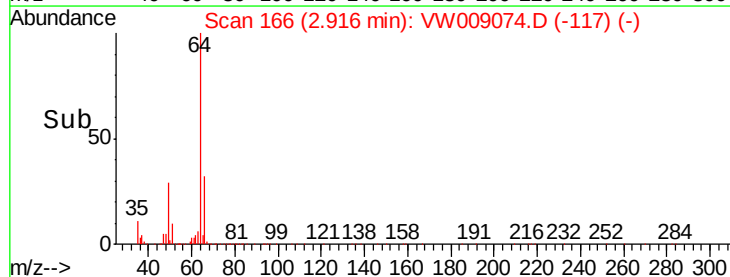
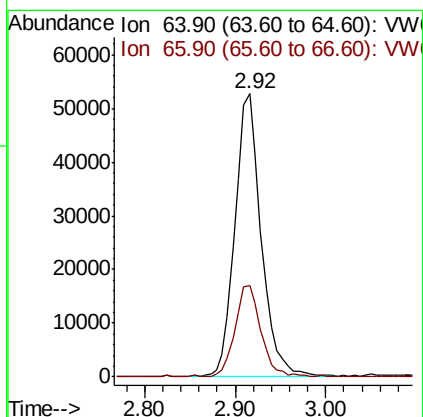
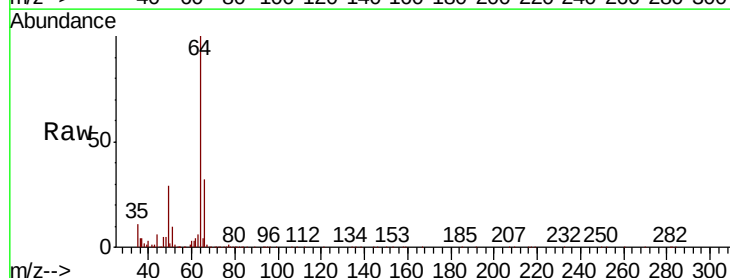
Acq: 08 Mar 2019 23:59

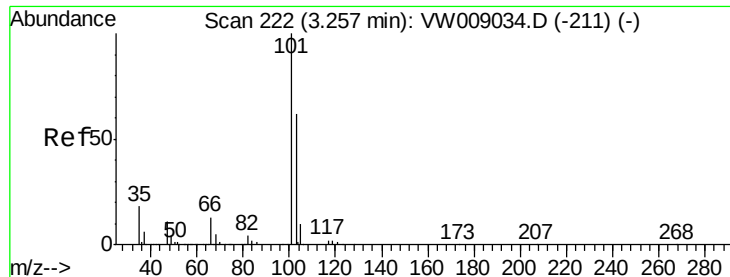
Tgt Ion: 64 Resp: 105489

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3



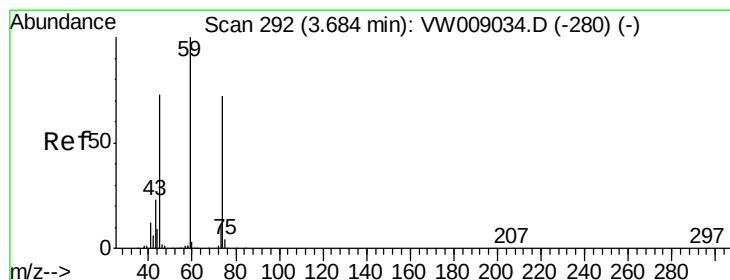
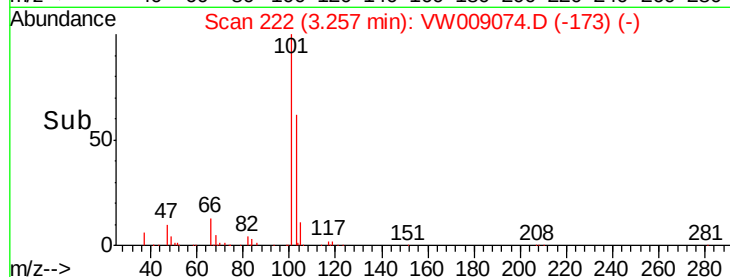
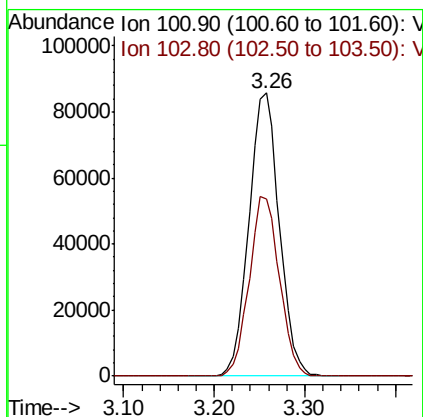
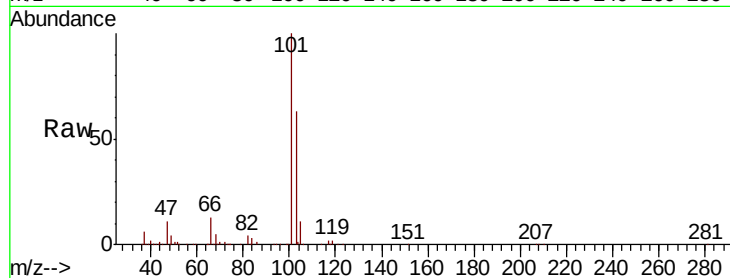


#7

Trichlorofluoromethane
 Concen: 47.027 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MS

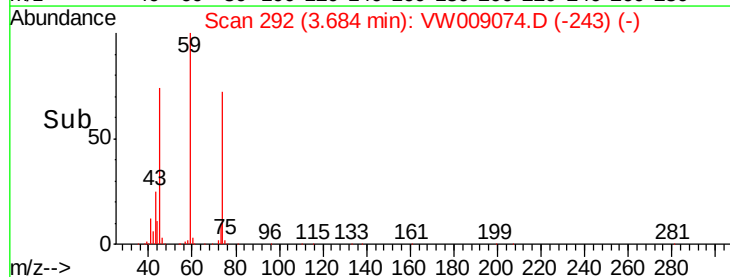
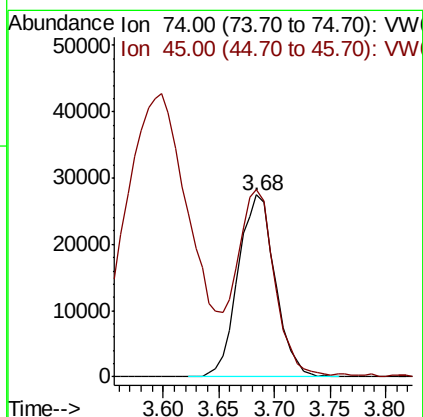
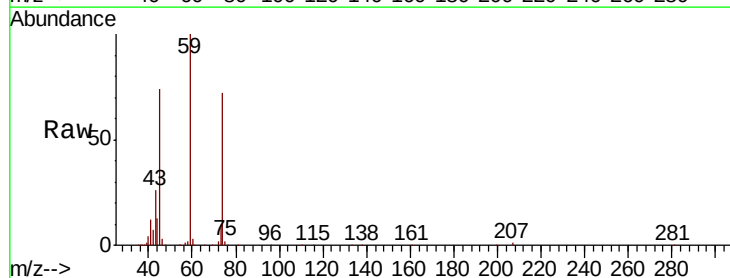
Tot Ion:101 Resp: 198565
 Ion Ratio Lower Upper
 101 100
 103 62.6 49.9 74.9

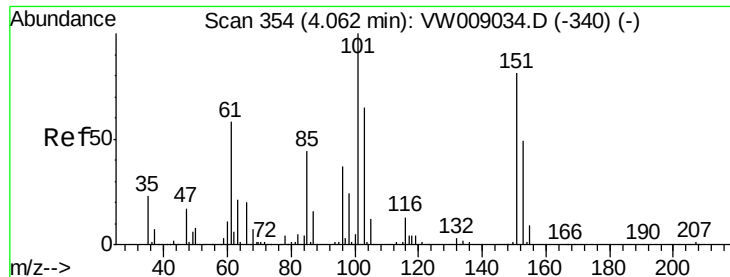


#8

Diethyl Ether
 Concen: 49.167 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Tgt Ion: 74 Resp: 63477
 Ion Ratio Lower Upper
 74 100
 45 101.4 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.104 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

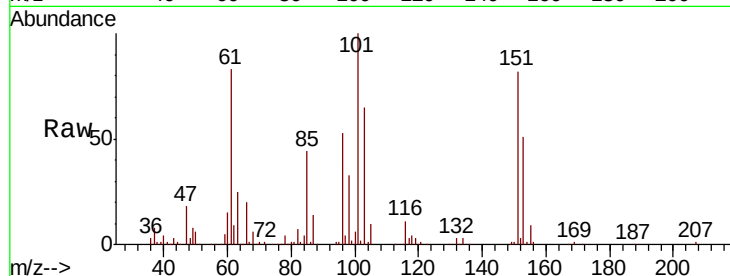
Tot Ion:101 Resp: 113353

Ion Ratio Lower Upper

101 100

85 47.0 36.2 54.4

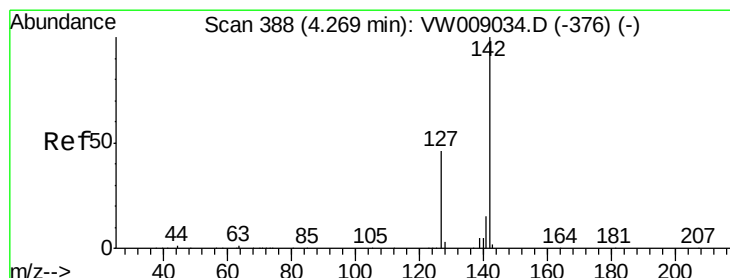
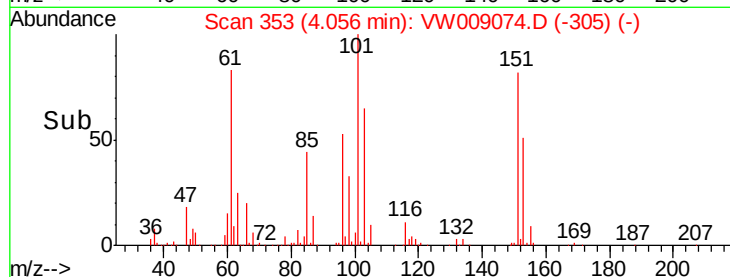
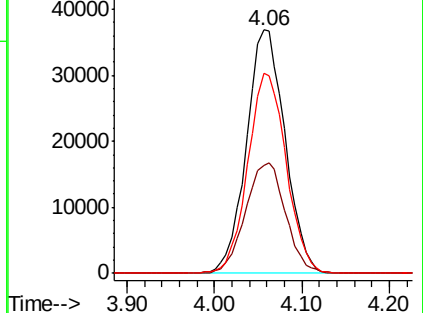
151 81.6 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.965 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

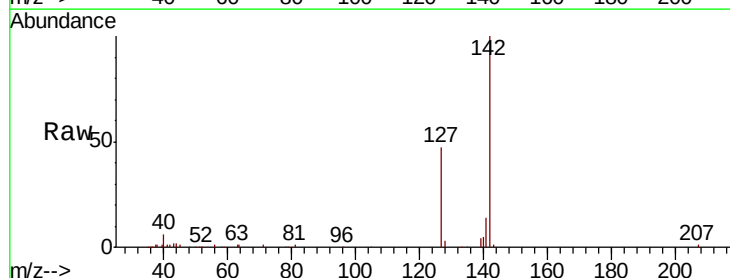
Tgt Ion:142 Resp: 60259

Ion Ratio Lower Upper

142 100

127 47.2 35.8 53.6

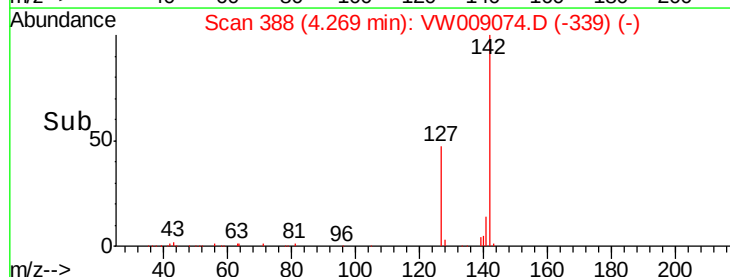
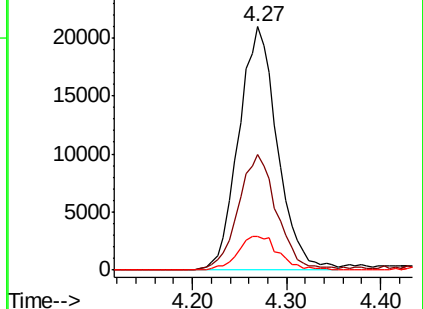
141 14.8 11.8 17.8

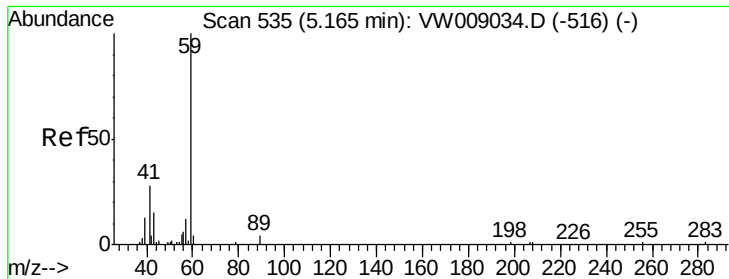


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



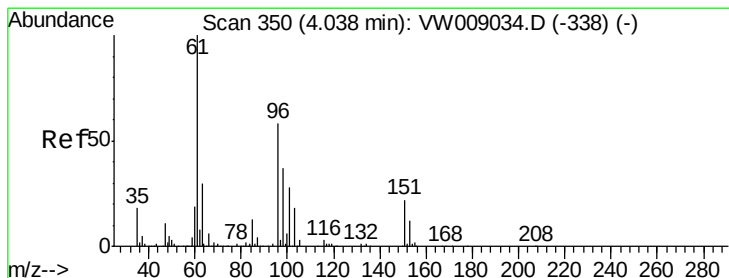
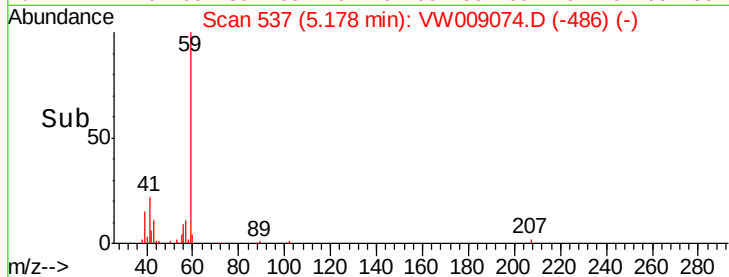
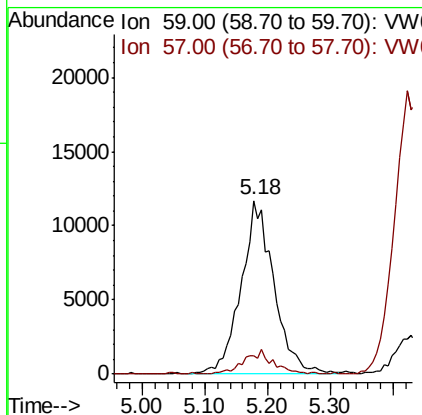
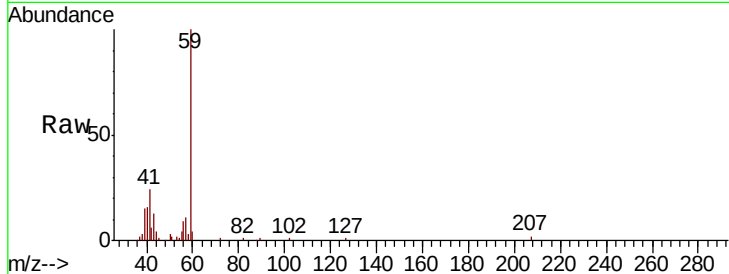


#11

Tert butyl alcohol
 Concen: 218.912 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MS

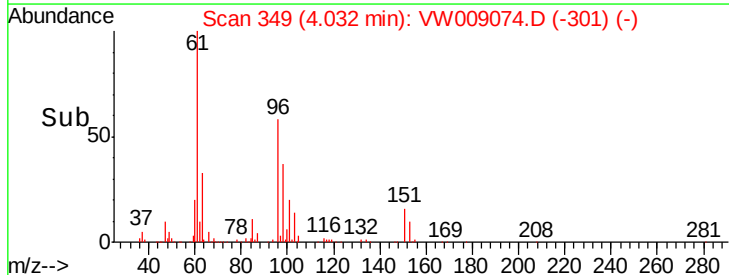
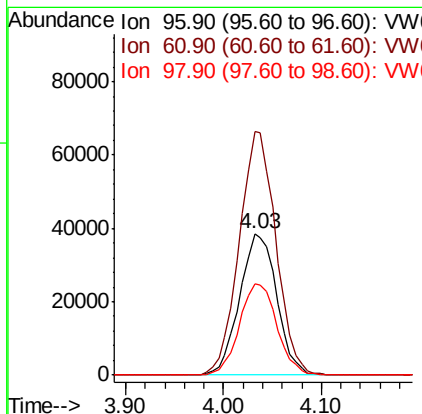
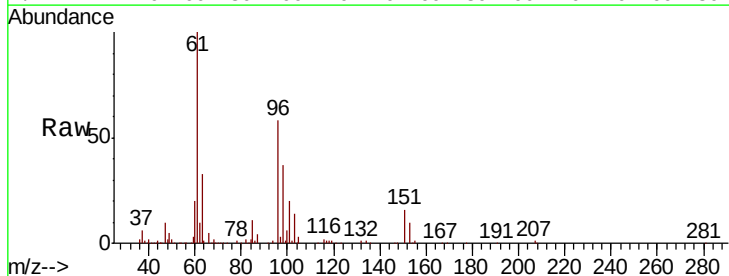
Tot Ion: 59 Resp: 42599
 Ion Ratio Lower Upper
 59 100
 57 12.2 8.6 12.8

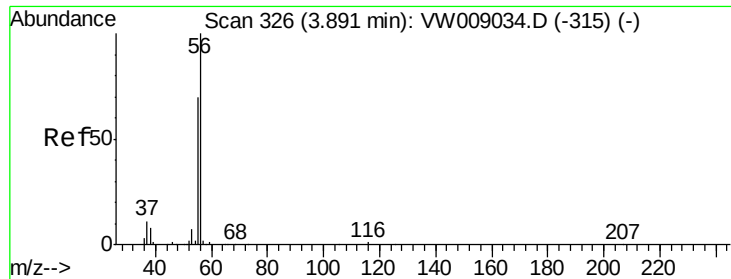


#12

1,1-Dichloroethene
 Concen: 44.902 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Tgt Ion: 96 Resp: 101856
 Ion Ratio Lower Upper
 96 100
 61 171.7 138.2 207.2
 98 64.1 51.3 76.9

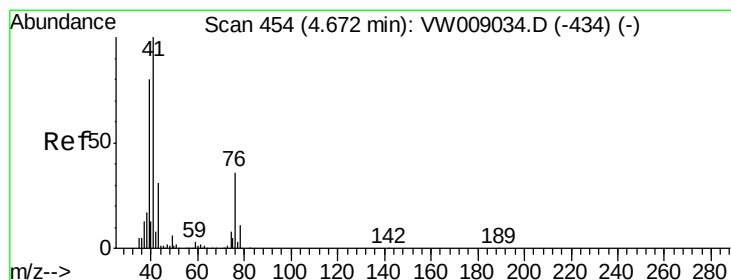
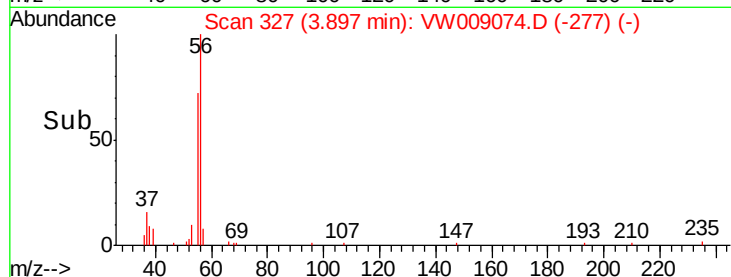
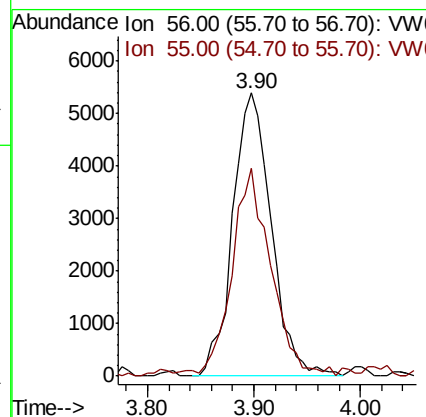
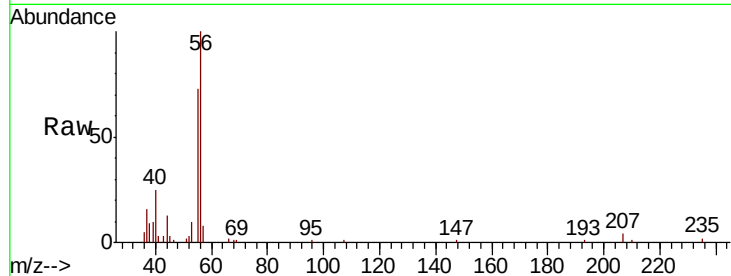




#13
 Acrolein
 Concen: 63.876 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

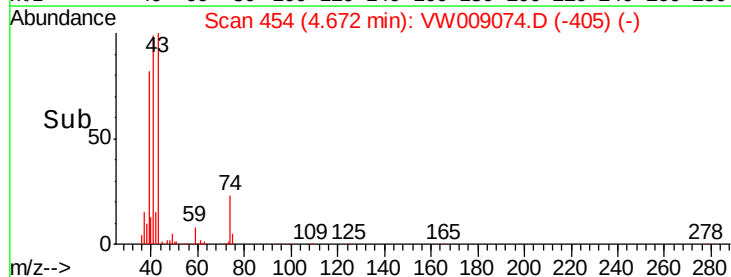
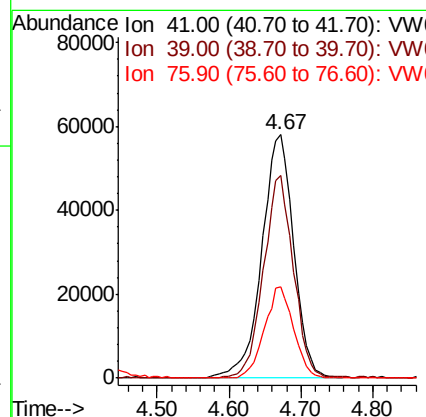
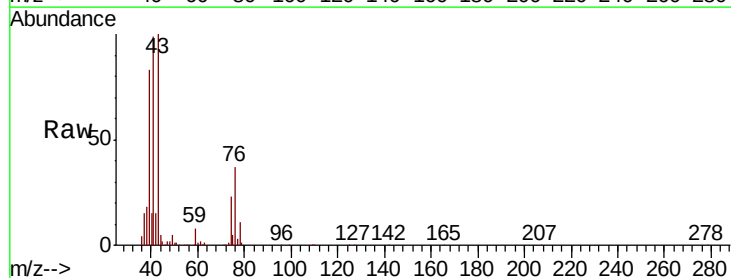
Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MS

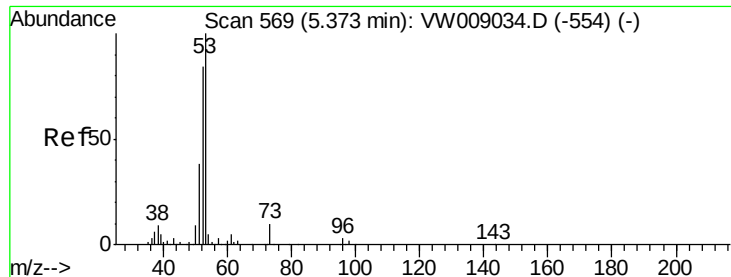
Tot Ion: 56 Resp: 13678
 Ion Ratio Lower Upper
 56 100
 55 74.7 56.6 84.8



#14
 Allyl chloride
 Concen: 44.317 ug/l
 RT: 4.67 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Tgt Ion: 41 Resp: 177325
 Ion Ratio Lower Upper
 41 100
 39 78.6 63.0 94.4
 76 34.5 28.2 42.2





#15

Acrylonitrile

Concen: 243.964 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

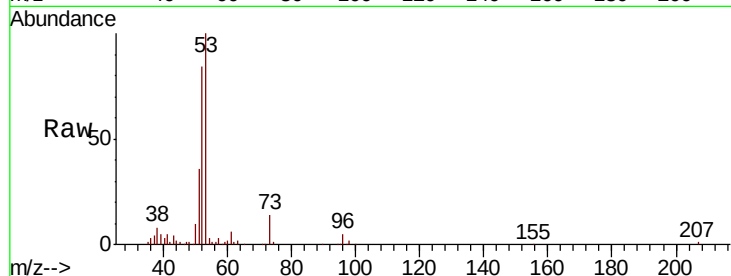
Tot Ion: 53 Resp: 137469

Ion Ratio Lower Upper

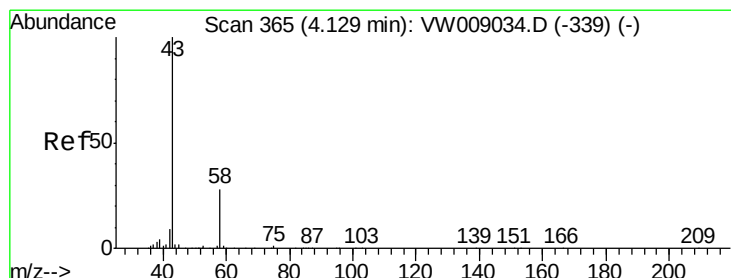
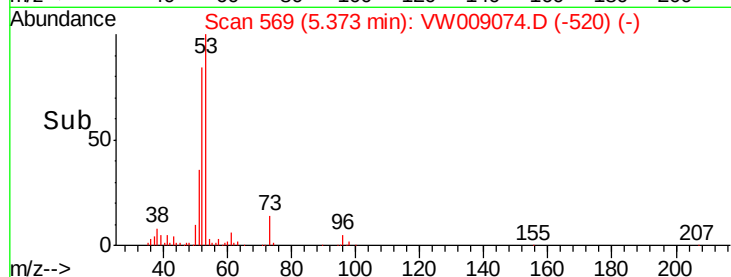
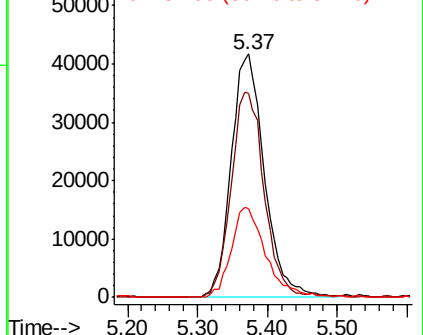
53 100

52 83.7 67.2 100.8

51 38.4 31.8 47.6



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: 187.364 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW009074.D

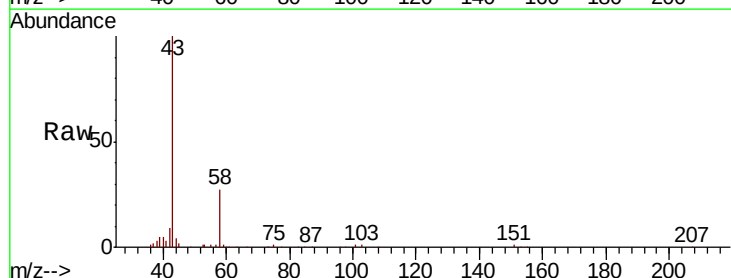
Acq: 08 Mar 2019 23:59

Tgt Ion: 43 Resp: 107366

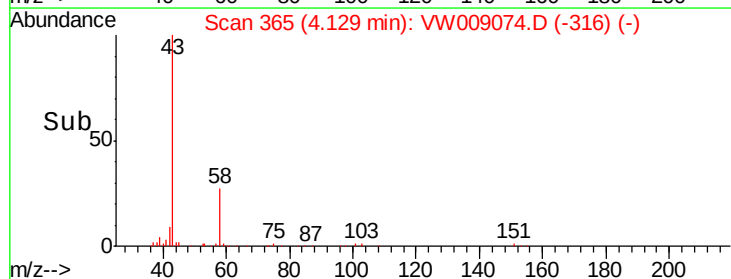
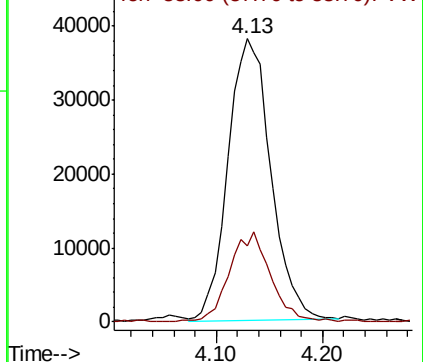
Ion Ratio Lower Upper

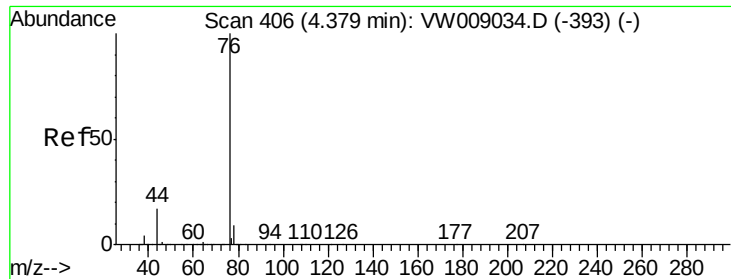
43 100

58 26.8 22.5 33.7



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

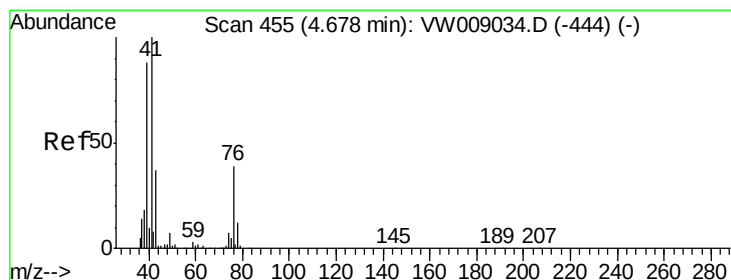
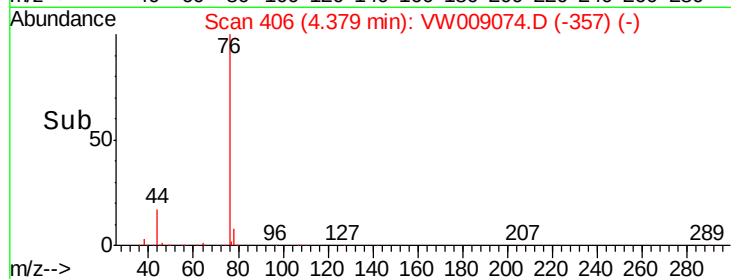
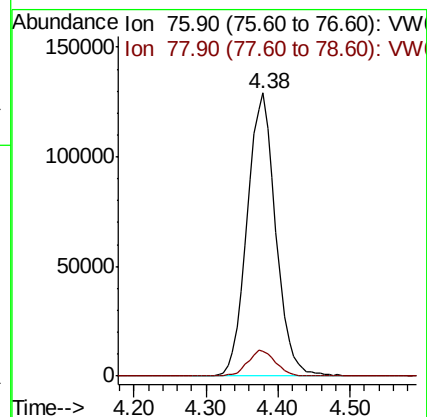
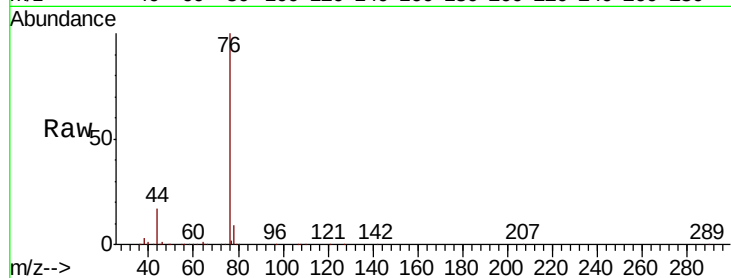




#17
Carbon Disulfide
Concen: 46.594 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

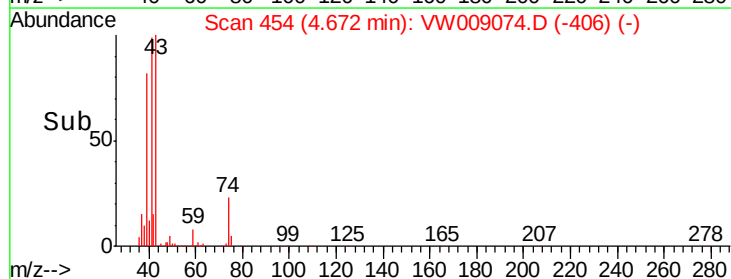
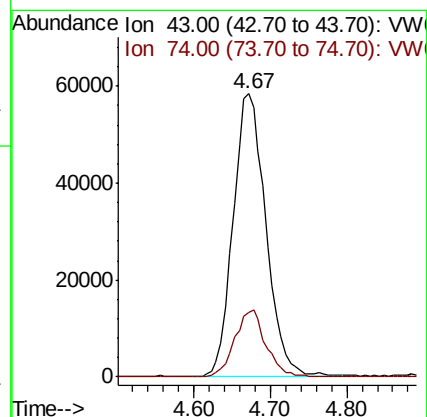
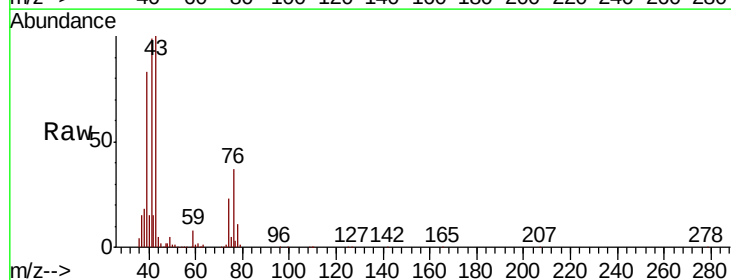
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

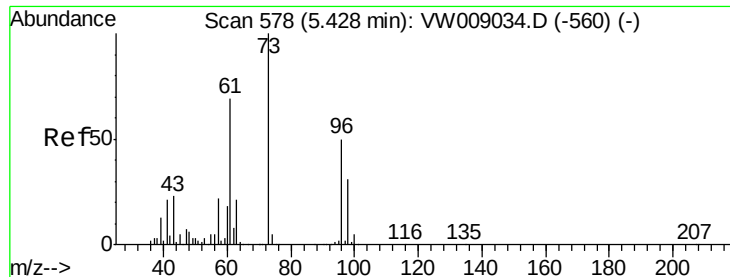
Tot Ion: 76 Resp: 355614
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6



#18
Methyl Acetate
Concen: 132.038 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion: 43 Resp: 173987
Ion Ratio Lower Upper
43 100
74 22.4 17.6 26.4

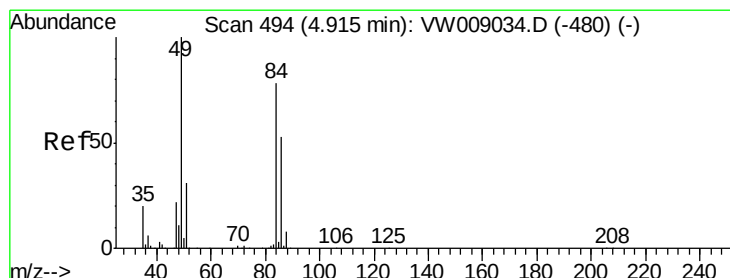
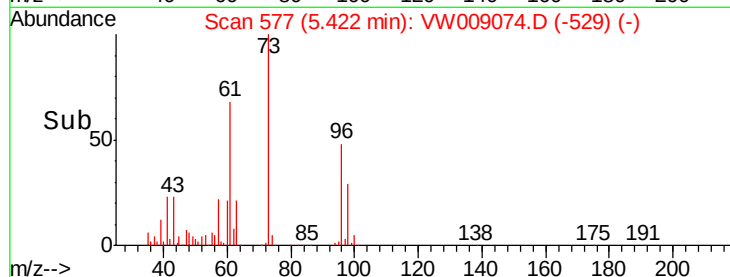
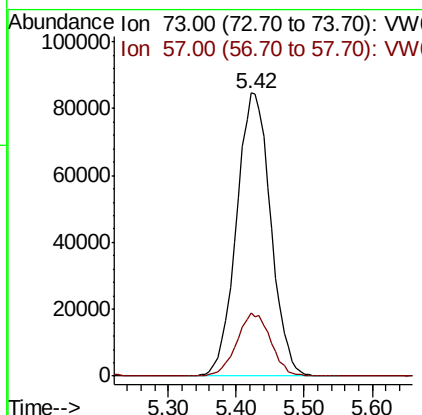
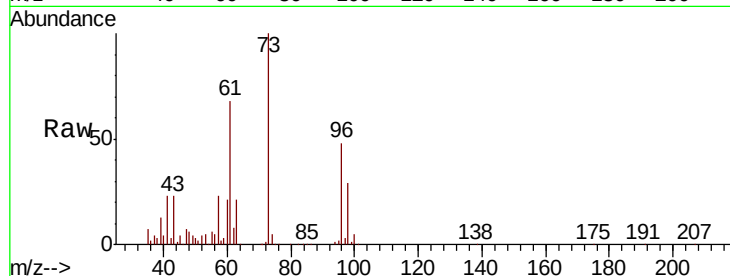




#19
Methyl tert-butyl Ether
Concen: 49.299 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

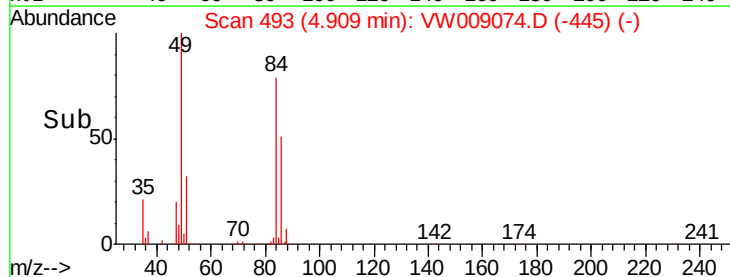
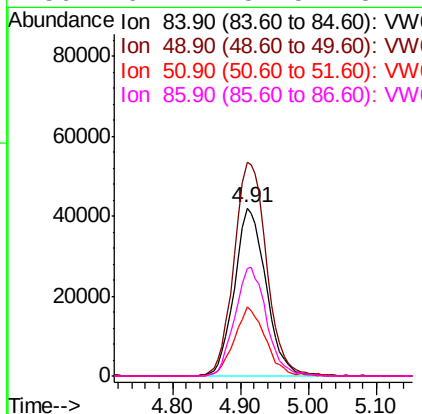
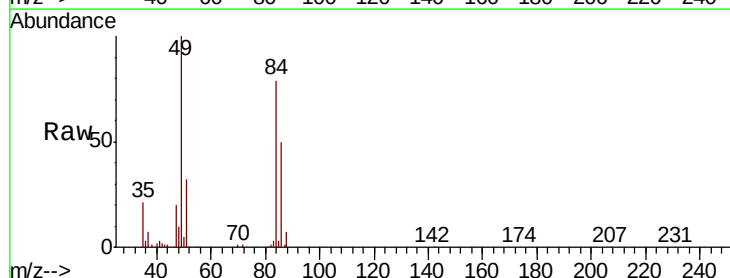
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

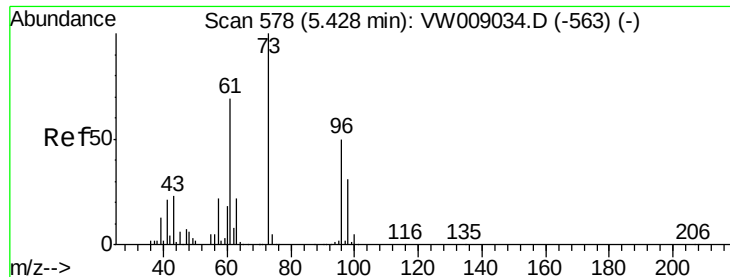
Tot Ion: 73 Resp: 295827
Ion Ratio Lower Upper
73 100
57 22.5 17.3 25.9



#20
Methylene Chloride
Concen: 50.350 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion: 84 Resp: 135623
Ion Ratio Lower Upper
84 100
49 127.1 102.4 153.6
51 41.2 31.6 47.4
86 64.2 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 46.232 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

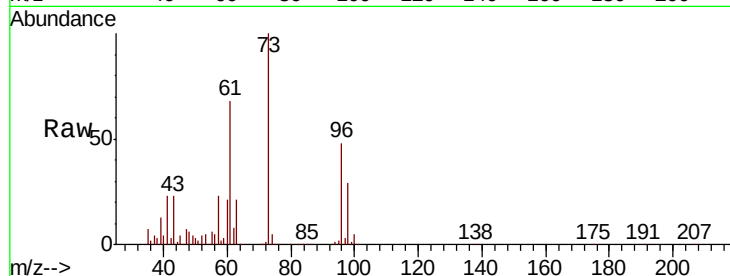
Tot Ion: 96 Resp: 121092

Ion Ratio Lower Upper

96 100

61 140.8 111.0 166.6

98 60.8 49.4 74.0

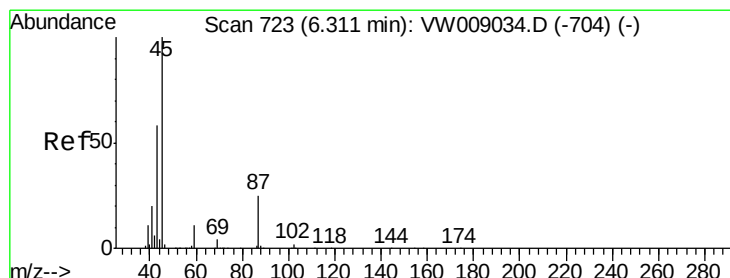
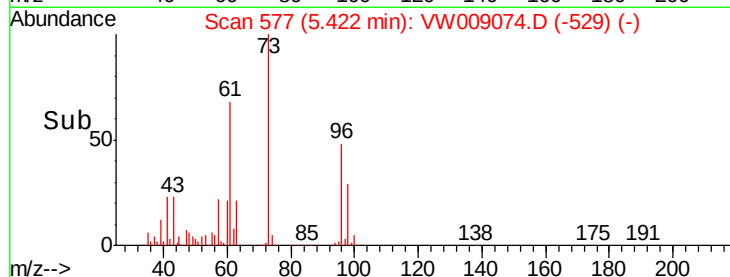
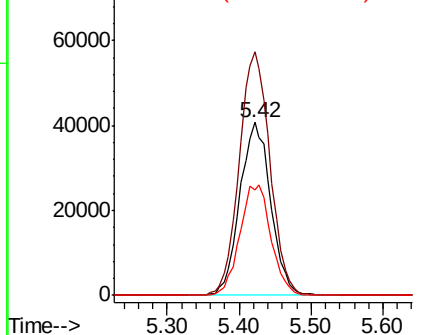


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 45.735 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Tgt Ion: 45 Resp: 363670

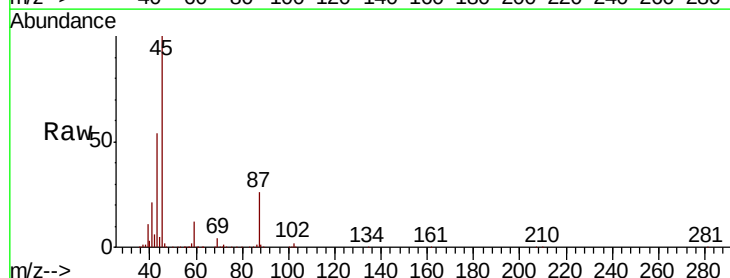
Ion Ratio Lower Upper

45 100

43 53.5 46.2 69.4

87 25.7 20.1 30.1

59 11.9 8.4 12.6



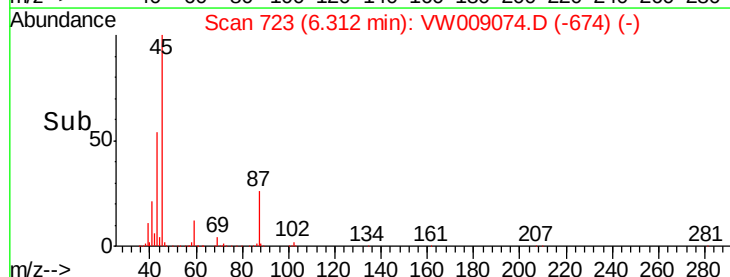
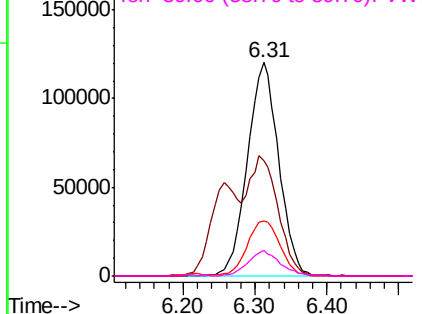
Abundance

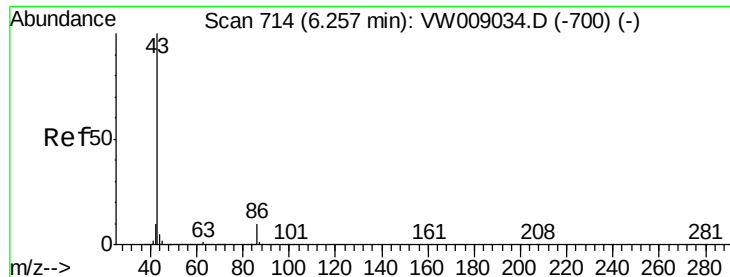
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 29.193 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

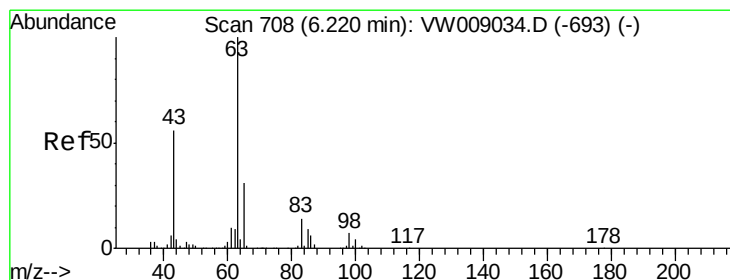
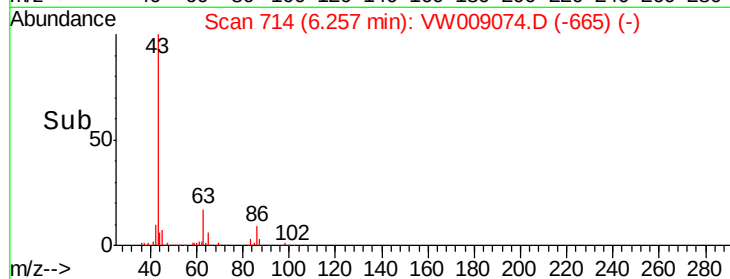
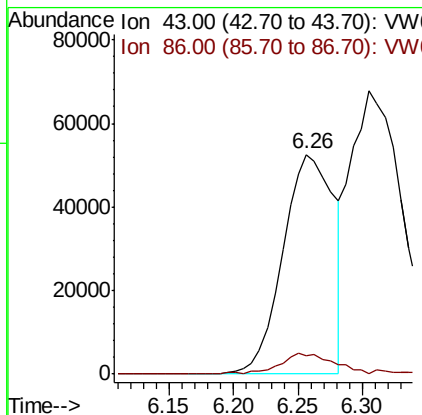
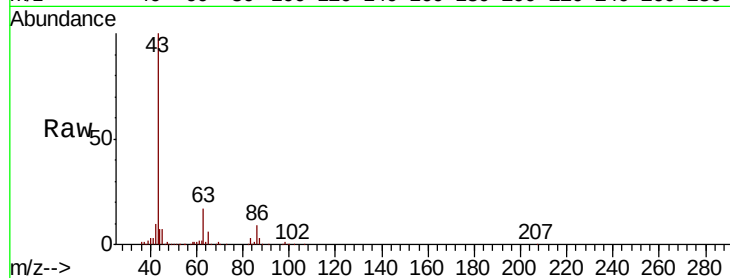
SD2-0.5-1.0MS

Tot Ion: 43 Resp: 144458

Ion Ratio Lower Upper

43 100

86 8.6 7.6 11.4



#24

1,1-Dichloroethane

Concen: 46.578 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

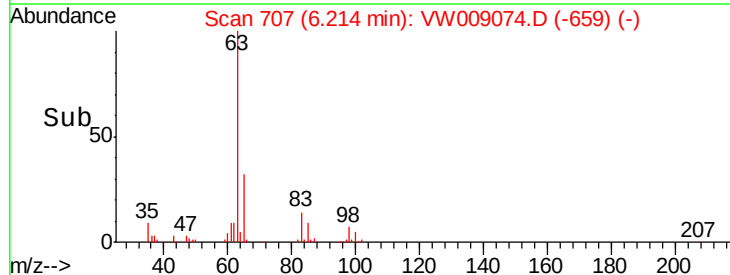
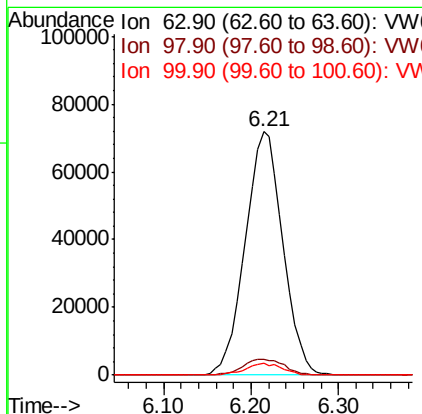
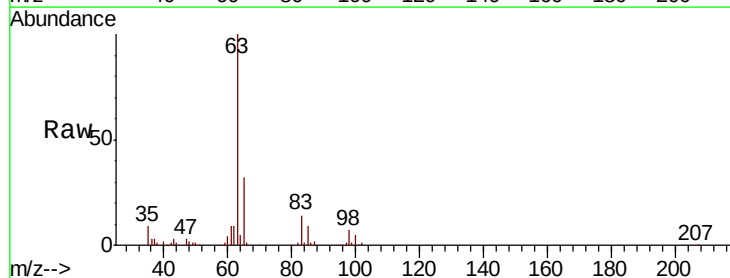
Tgt Ion: 63 Resp: 214825

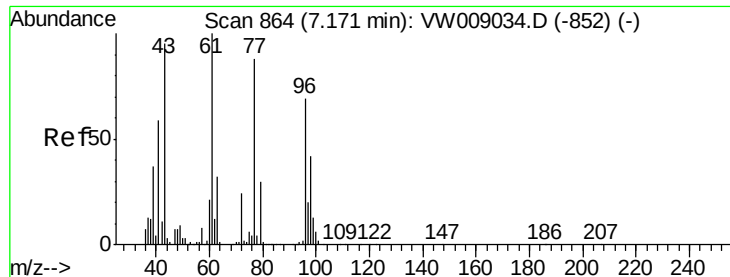
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.9 2.1 6.2





#25

2-Butanone

Concen: 221.807 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampled :

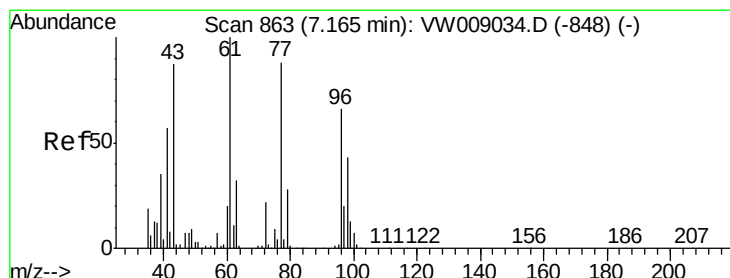
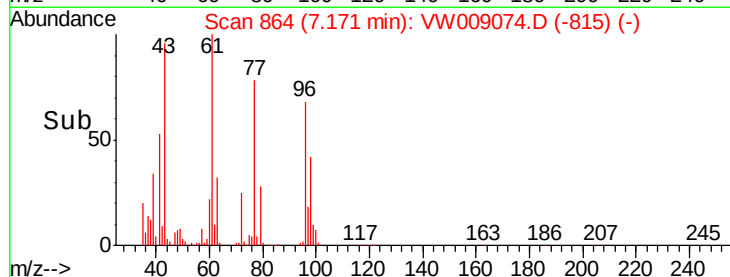
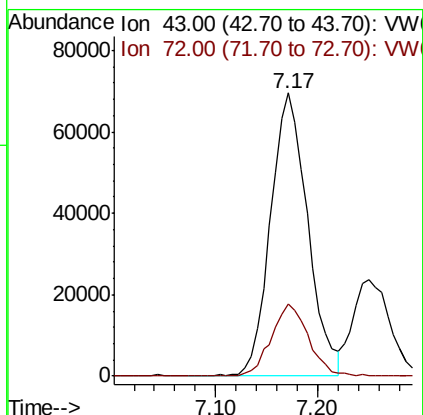
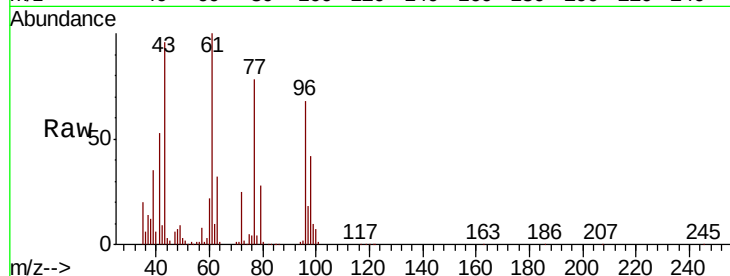
SD2-0.5-1.0MS

Tot Ion: 43 Resp: 175659

Ion Ratio Lower Upper

43 100

72 25.6 20.0 30.0



#26

2,2-Dichloropropane

Concen: 41.172 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009074.D

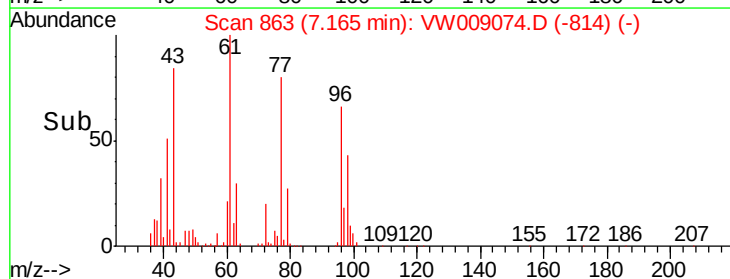
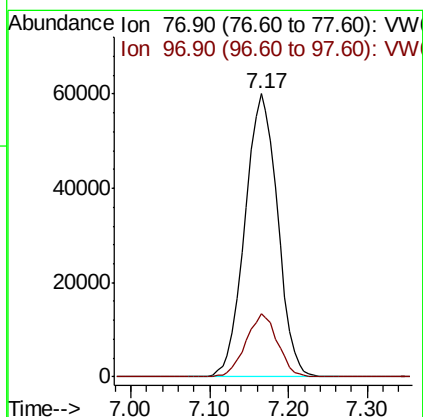
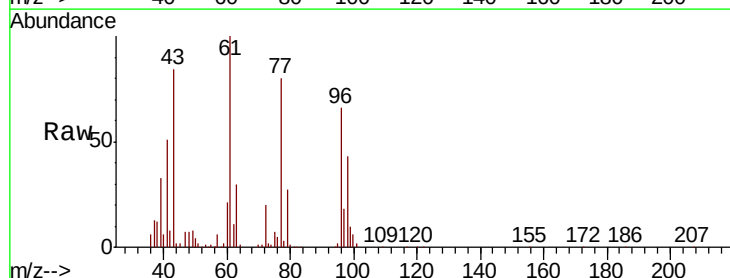
Acq: 08 Mar 2019 23:59

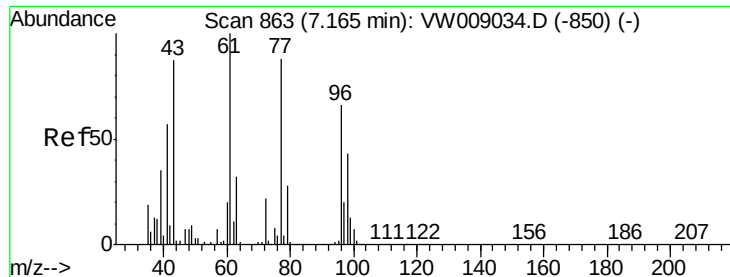
Tgt Ion: 77 Resp: 172605

Ion Ratio Lower Upper

77 100

97 21.6 10.9 32.9



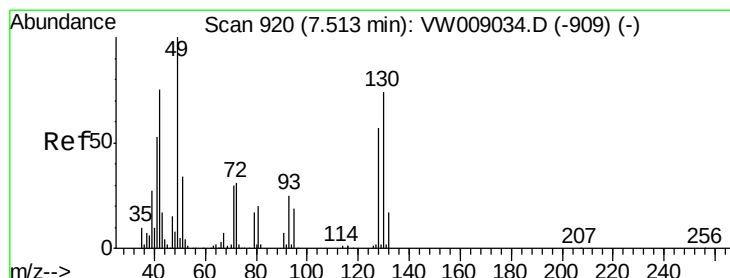
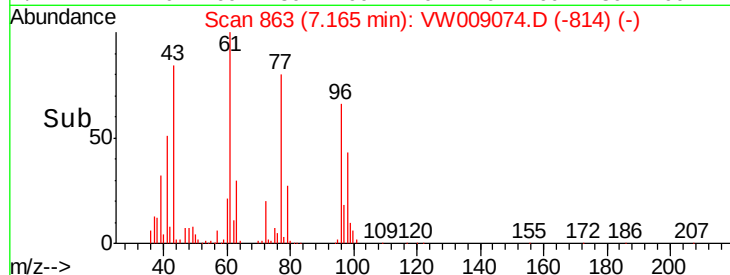
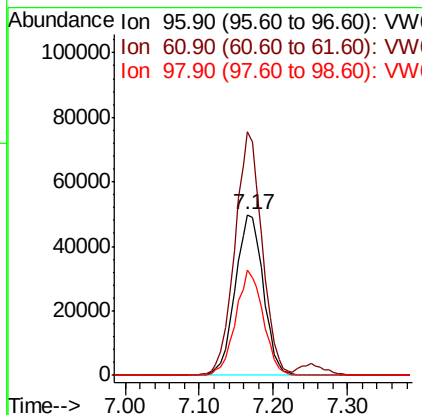
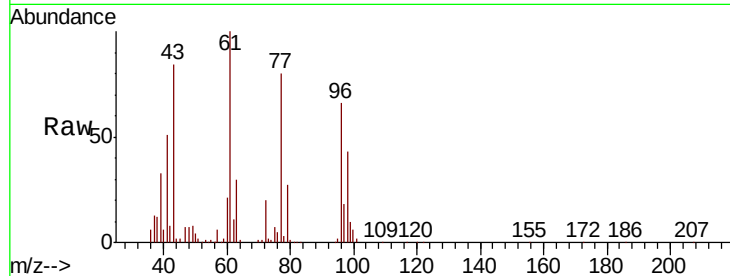


#27

cis-1,2-Dichloroethene
Concen: 46.697 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

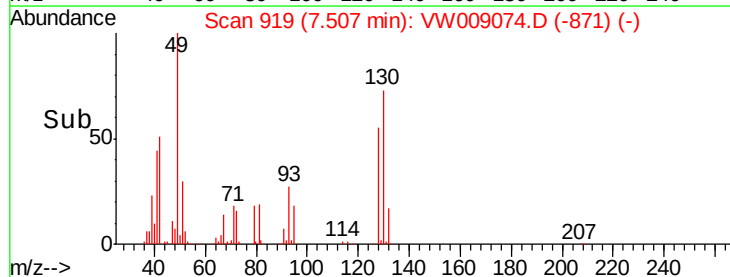
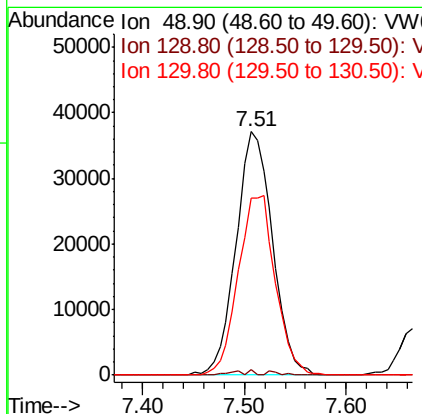
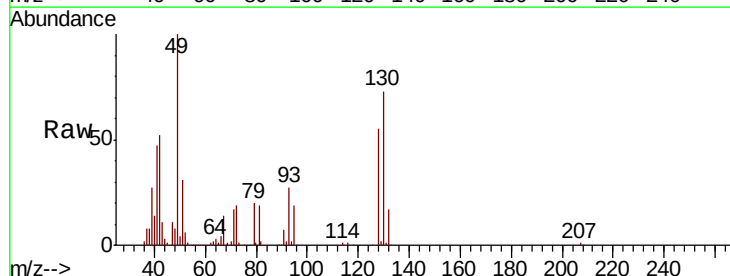
Tot Ion	96	Resp	131361
Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	299.8
98	64.0	0.0	127.2

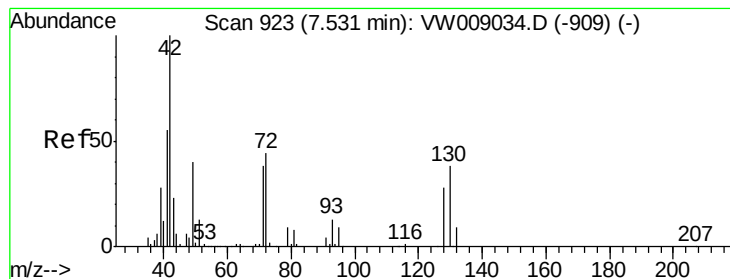


#28

Bromochloromethane
Concen: 48.075 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion	49	Resp	92228
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.6
130	75.2	60.4	90.6





#29

Tetrahydrofuran

Concen: 241.818 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

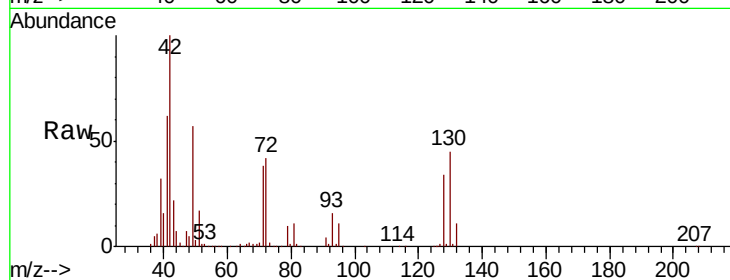
Tot Ion: 42 Resp: 120683

Ion Ratio Lower Upper

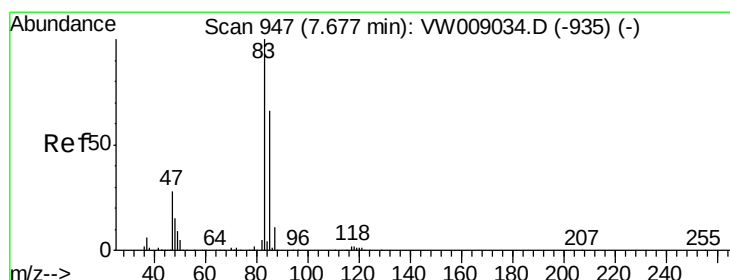
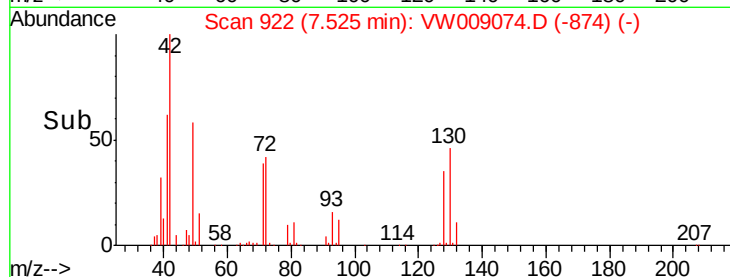
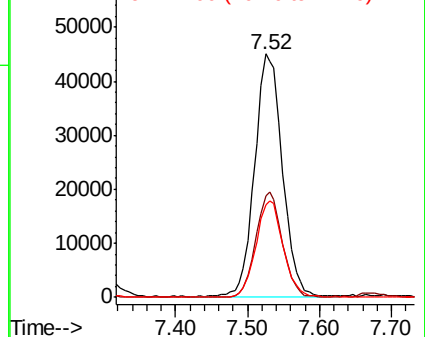
42 100

72 41.2 32.2 48.4

71 38.8 30.7 46.1



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 48.269 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW009074.D

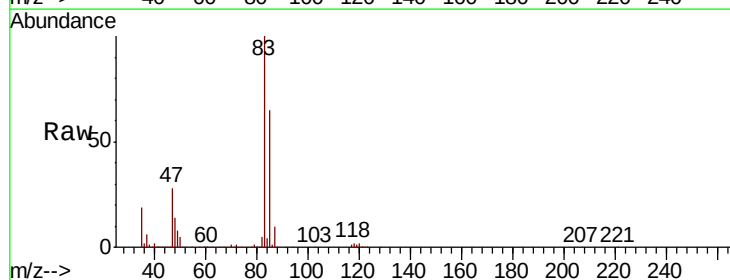
Acq: 08 Mar 2019 23:59

Tgt Ion: 83 Resp: 229201

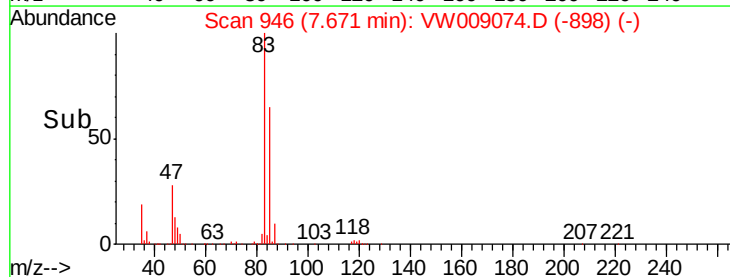
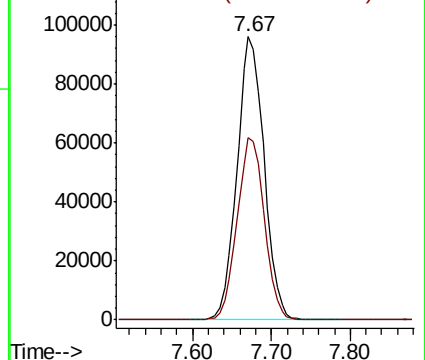
Ion Ratio Lower Upper

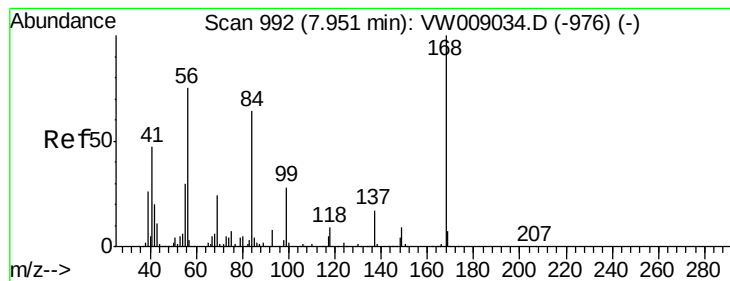
83 100

85 64.6 53.0 79.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 40.447 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

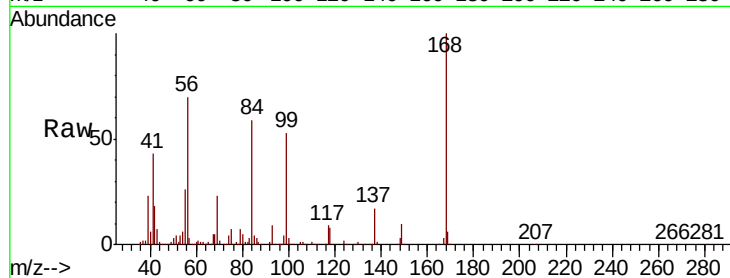
Tot Ion: 56 Resp: 191548

Ion Ratio Lower Upper

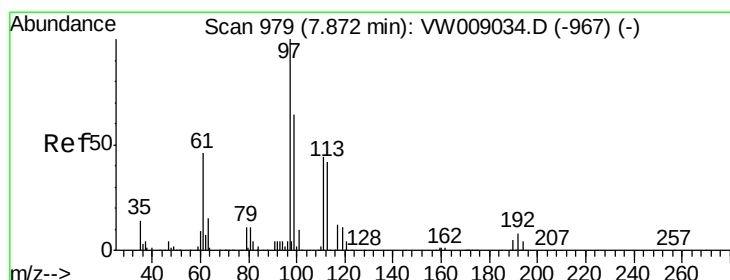
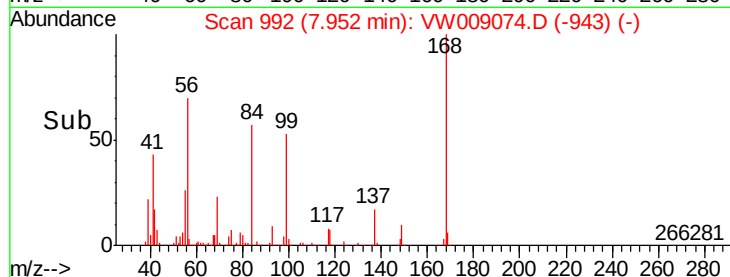
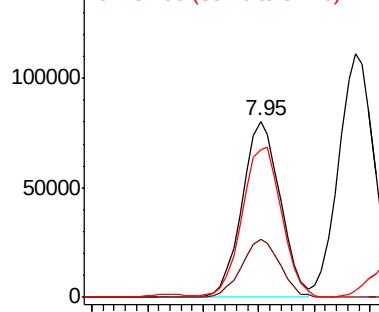
56 100

69 32.6 25.5 38.3

84 82.2 68.6 103.0



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



#32

1,1,1-Trichloroethane

Concen: 46.419 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

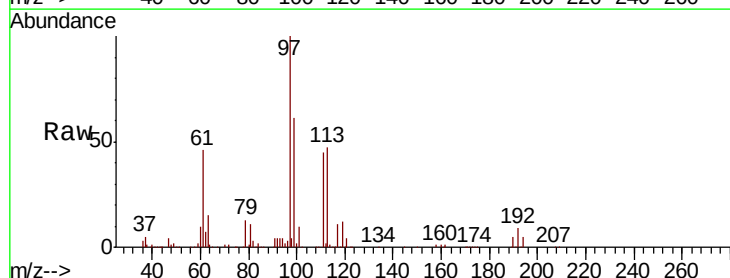
Tgt Ion: 97 Resp: 203414

Ion Ratio Lower Upper

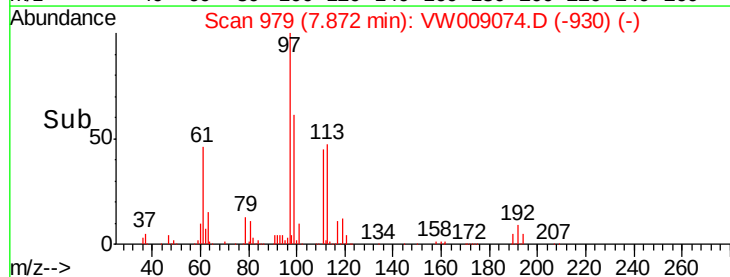
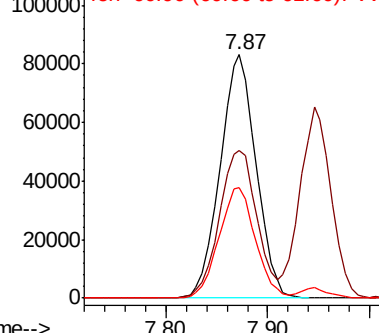
97 100

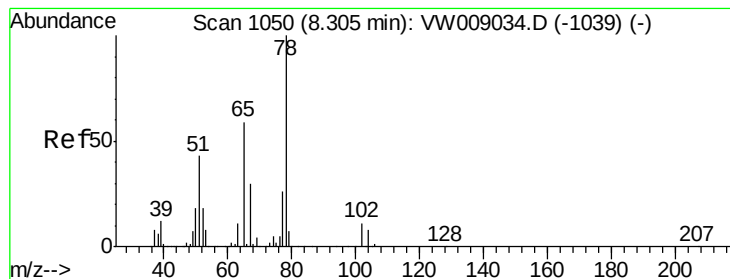
99 63.6 51.8 77.8

61 46.2 37.3 55.9



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





#33

1,2-Dichloroethane-d4

Concen: 51.754 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

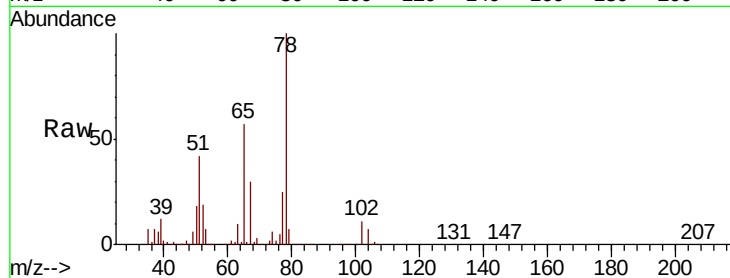
SD2-0.5-1.0MS

Tot Ion: 65 Resp: 131423

Ion Ratio Lower Upper

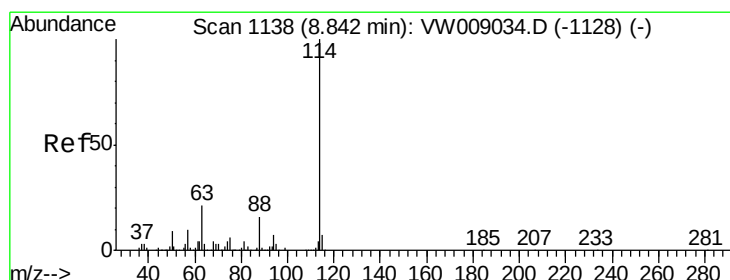
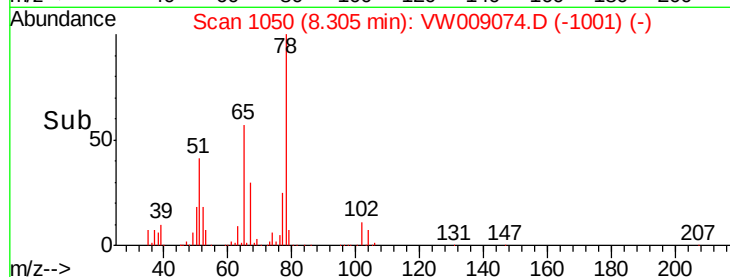
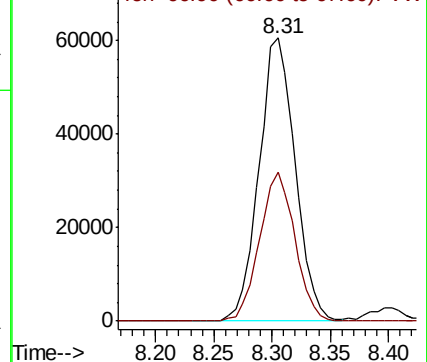
65 100

67 51.4 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

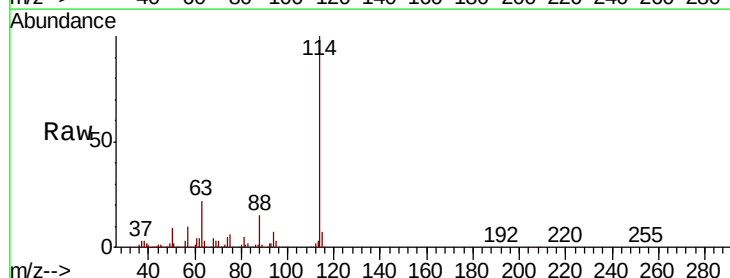
Tgt Ion: 114 Resp: 357304

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.2

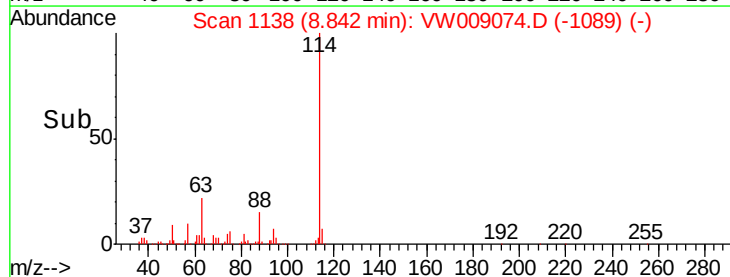
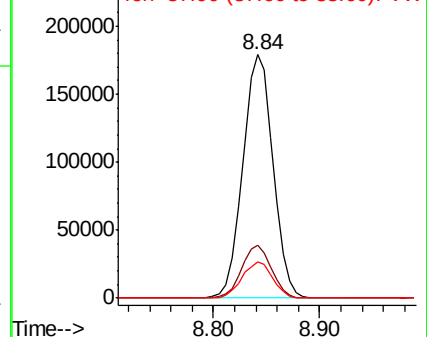
88 15.1 0.0 31.2

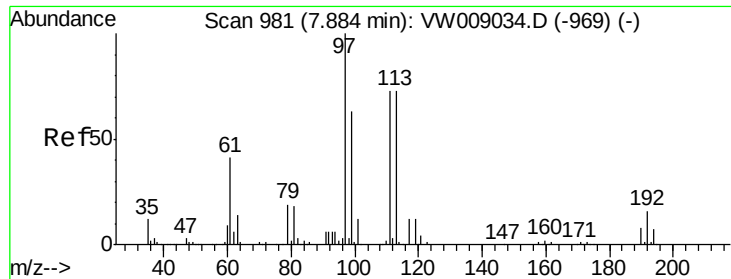


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 52.460 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

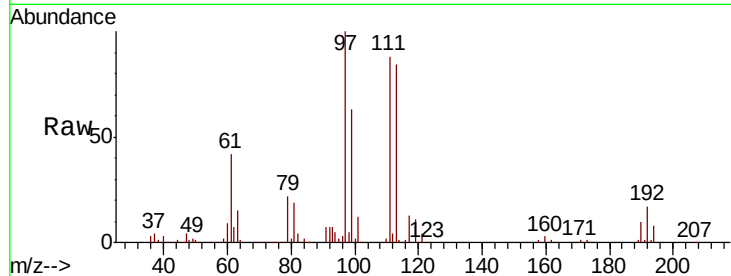
Tot Ion:113 Resp: 112857

Ion Ratio Lower Upper

113 100

111 101.7 81.0 121.4

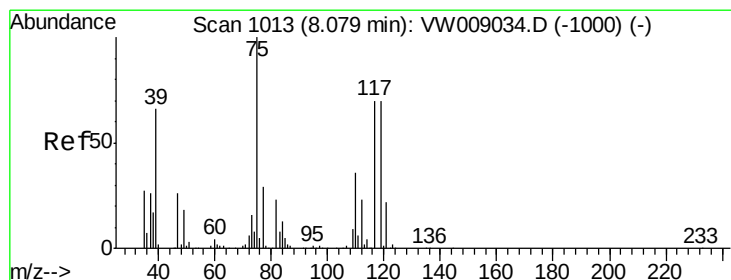
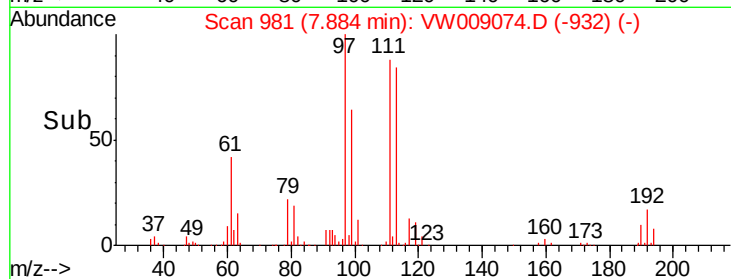
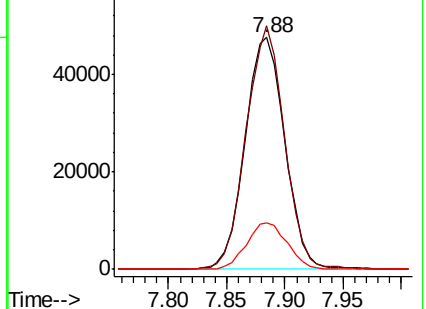
192 20.6 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.913 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

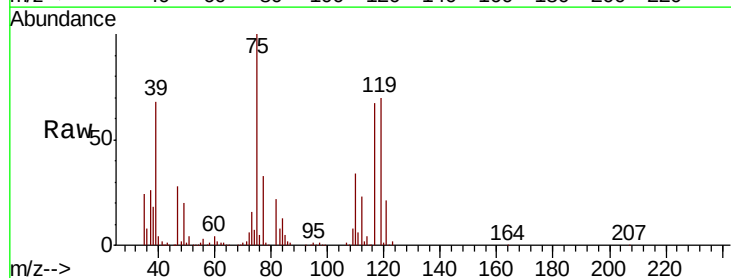
Tgt Ion: 75 Resp: 171533

Ion Ratio Lower Upper

75 100

110 35.7 17.6 52.9

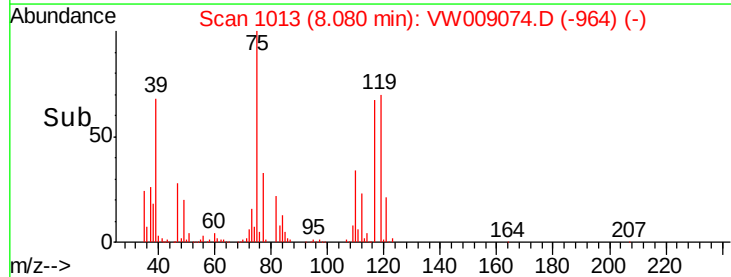
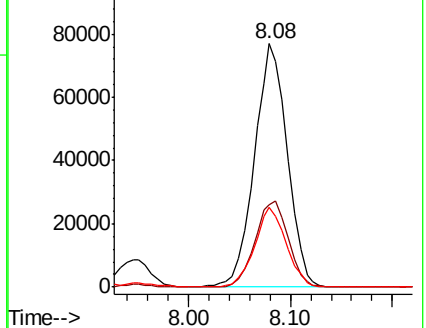
77 31.8 25.1 37.7

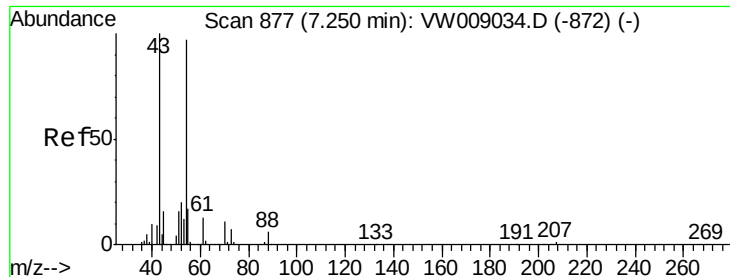


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

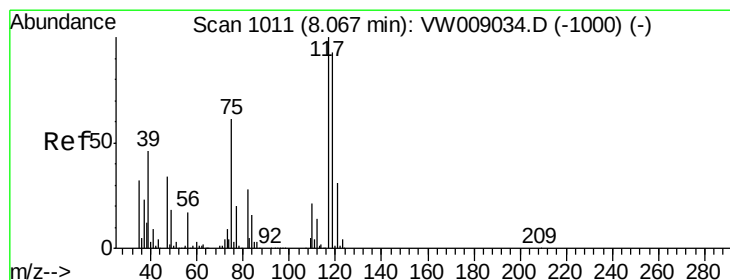
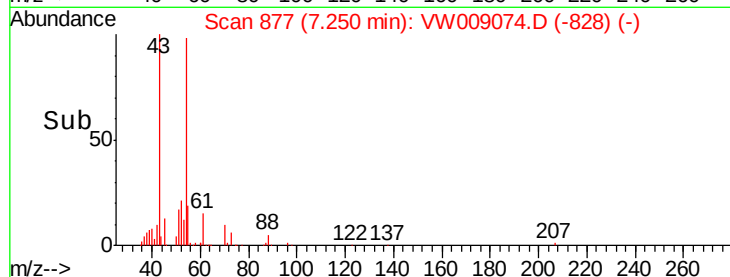
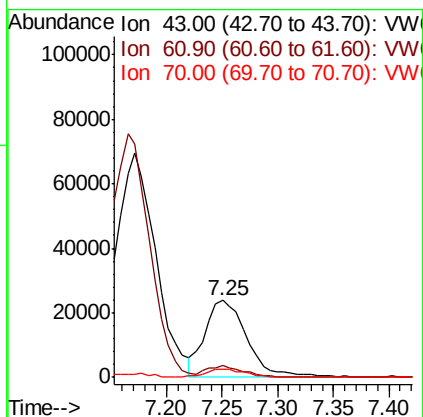
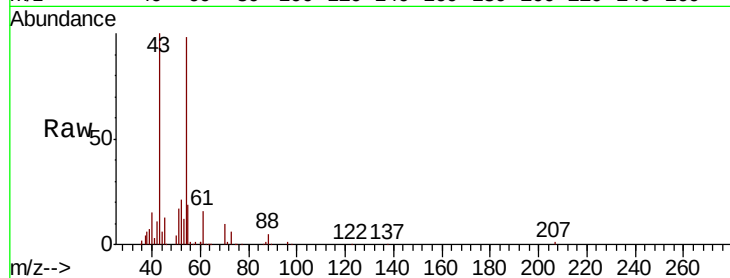




#37
Ethyl Acetate
Concen: 34.714 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

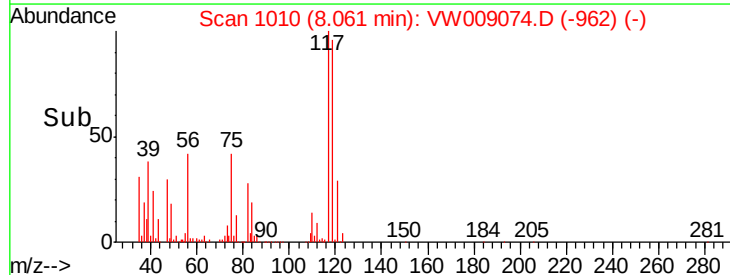
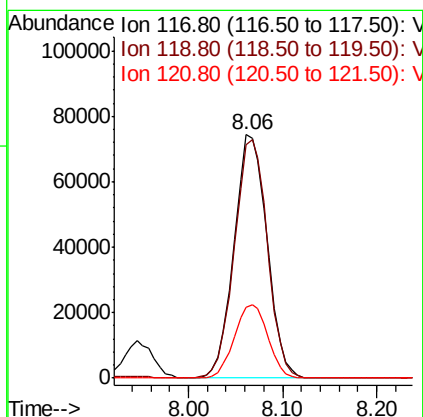
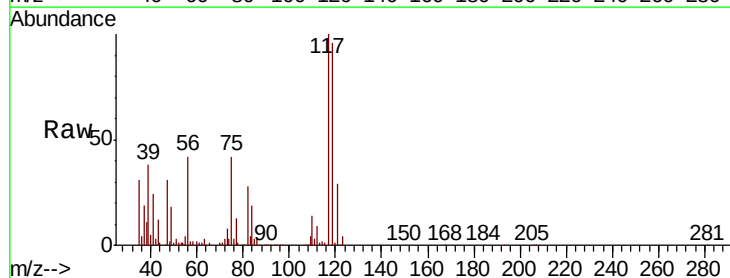
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

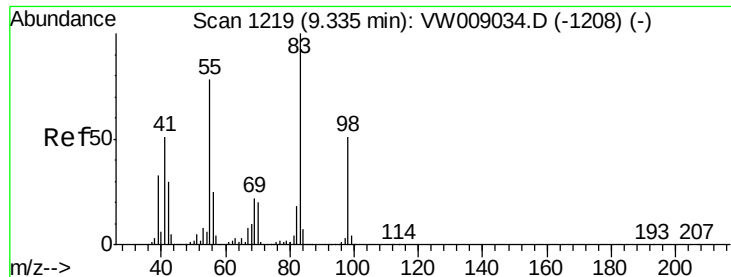
Tot Ion: 43 Resp: 60919
Ion Ratio Lower Upper
43 100
61 13.4 9.8 14.6
70 10.1 7.2 10.8



#38
Carbon Tetrachloride
Concen: 47.192 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion: 117 Resp: 182081
Ion Ratio Lower Upper
117 100
119 96.1 74.6 112.0
121 29.3 24.7 37.1

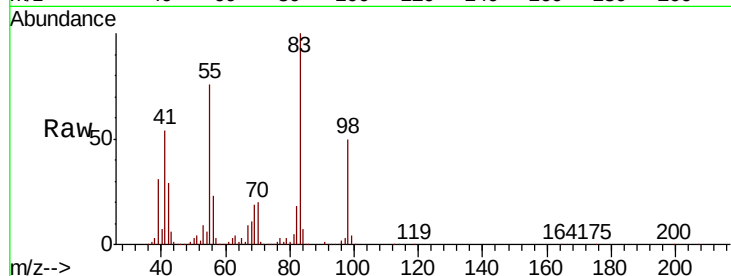




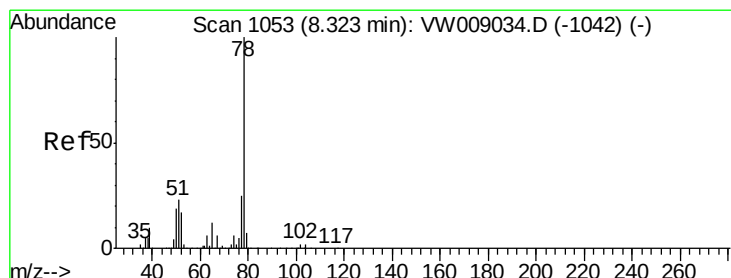
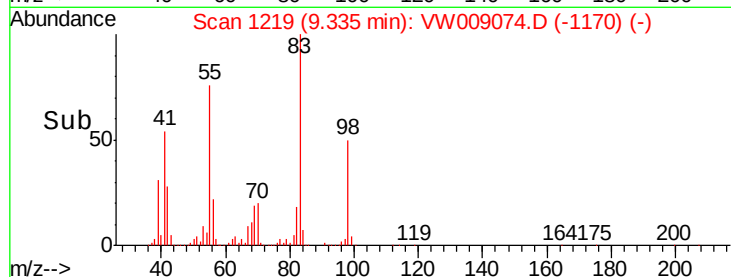
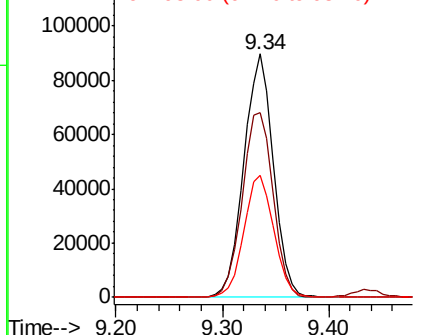
#39
Methylvlcyclohexane
Concen: 39.335 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion: 83 Resp: 175037
Ion Ratio Lower Upper
83 100
55 76.1 62.7 94.1
98 50.3 40.8 61.2

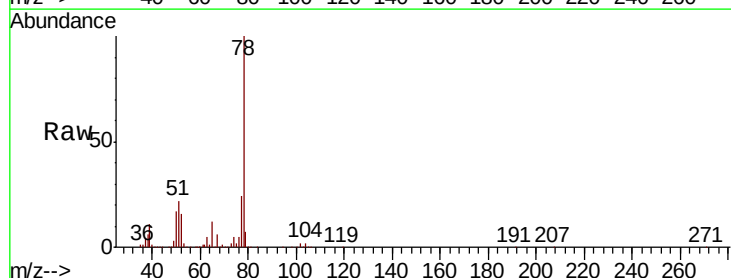


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

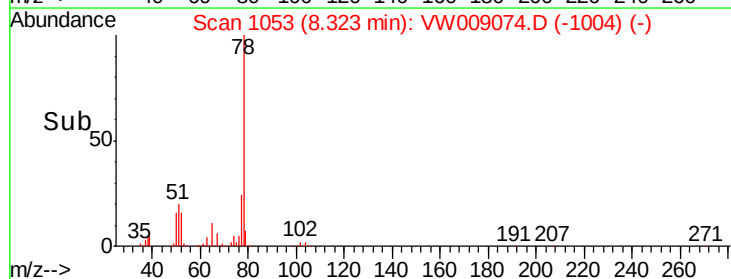
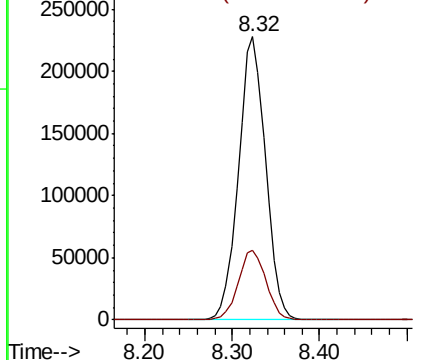


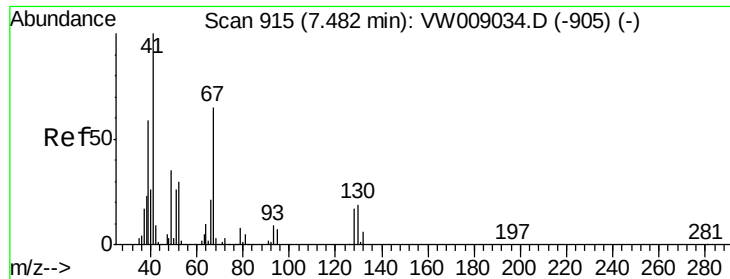
#40
Benzene
Concen: 49.055 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion: 78 Resp: 489236
Ion Ratio Lower Upper
78 100
77 24.4 20.2 30.4



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

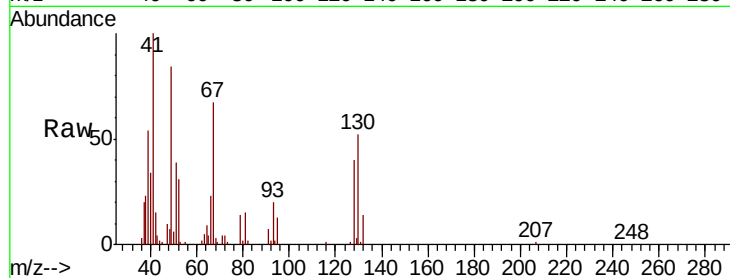




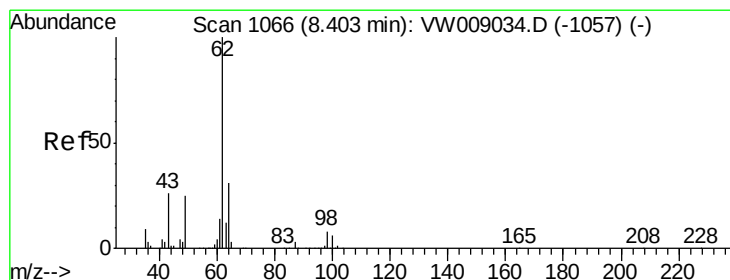
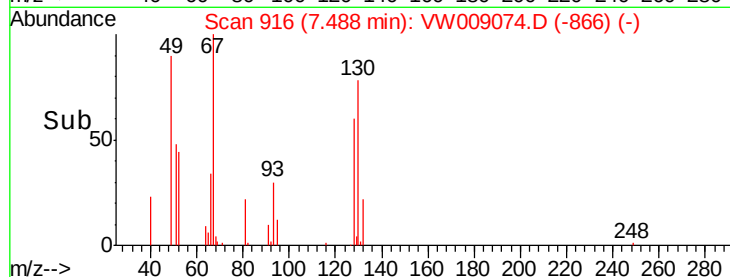
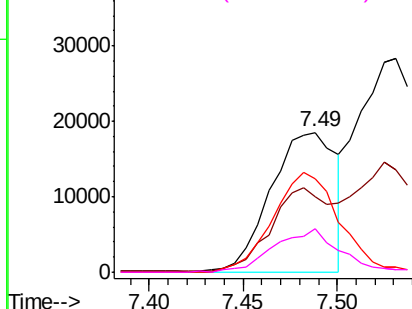
#41
Methacrylonitrile
Concen: 45.530 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion:	41	Resp:	44369
Ion	Ratio	Lower	Upper
41	100		
39	49.9	53.6	80.4#
67	73.3	57.6	86.4
52	32.4	26.0	39.0

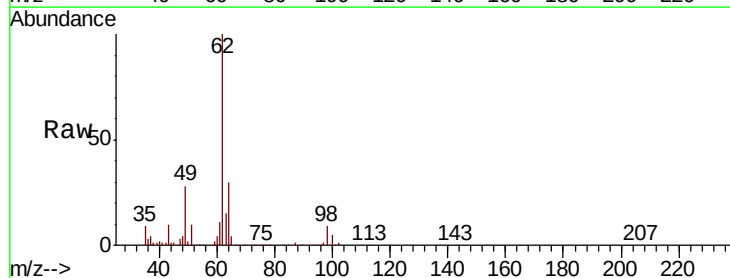


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

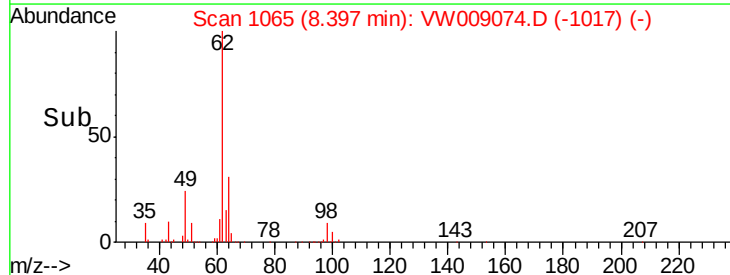
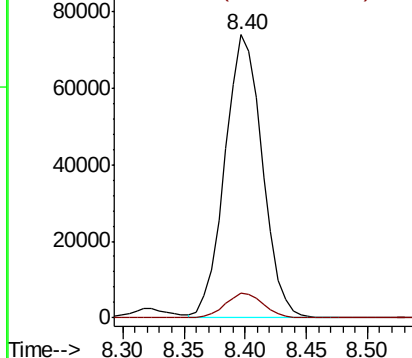


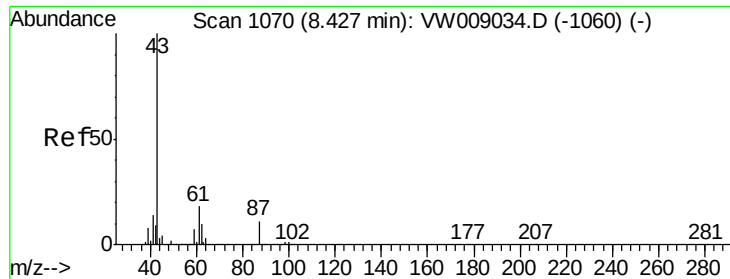
#42
1,2-Dichloroethane
Concen: 48.690 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion:	62	Resp:	156769
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6



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





#43

Isopropyl Acetate

Concen: 39.398 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

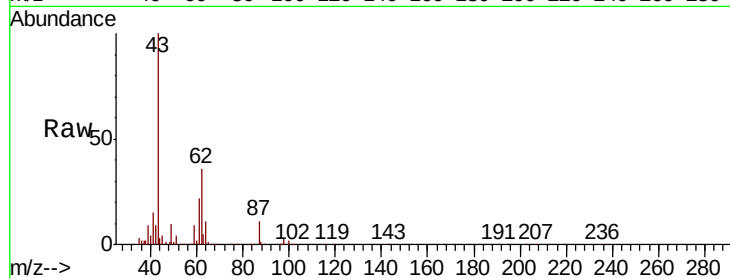
Tot Ion: 43 Resp: 128766

Ion Ratio Lower Upper

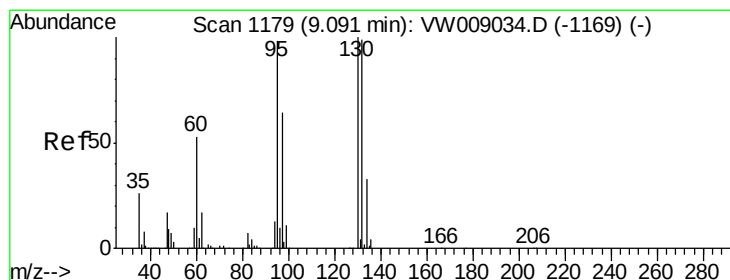
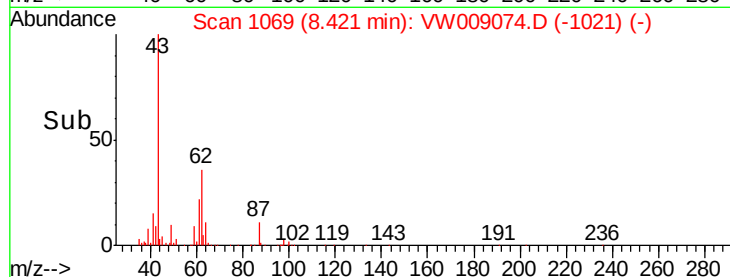
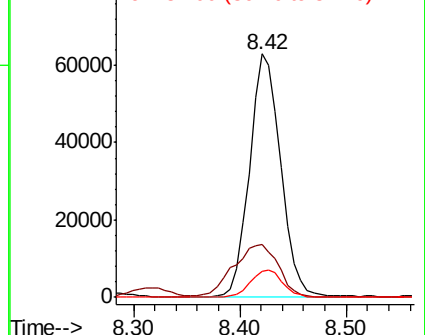
43 100

61 31.3 22.8 34.2

87 12.0 9.4 14.2



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



#44

Trichloroethene

Concen: 46.931 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009074.D

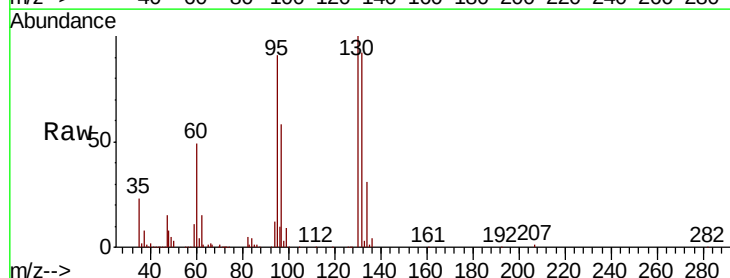
Acq: 08 Mar 2019 23:59

Tgt Ion:130 Resp: 131184

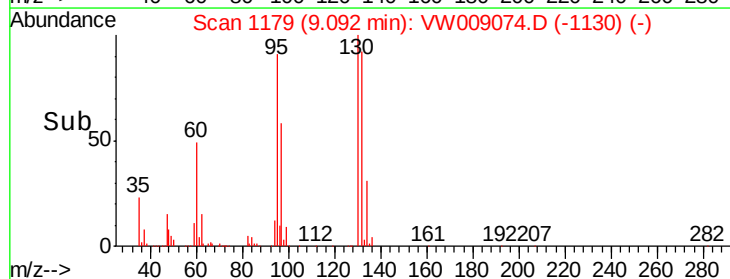
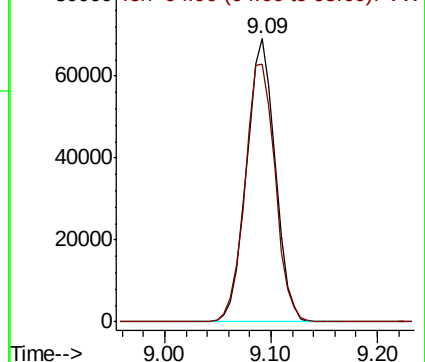
Ion Ratio Lower Upper

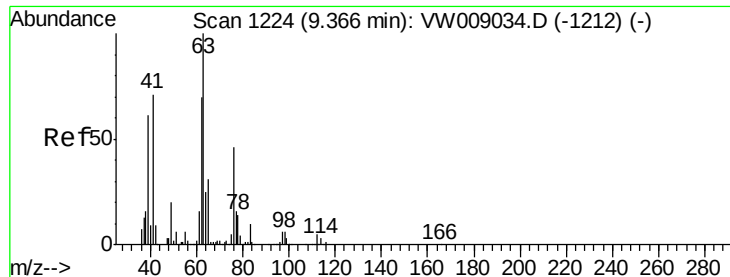
130 100

95 91.1 0.0 197.0



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





#45

1,2-Dichloropropane

Concen: 49.164 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

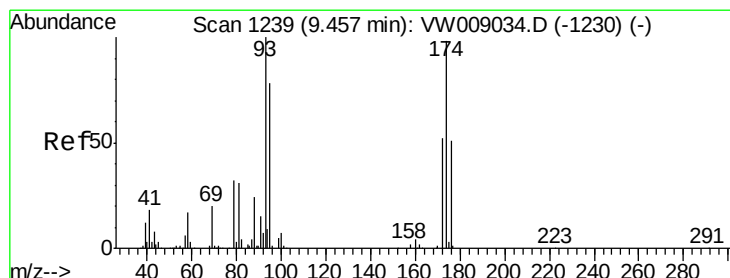
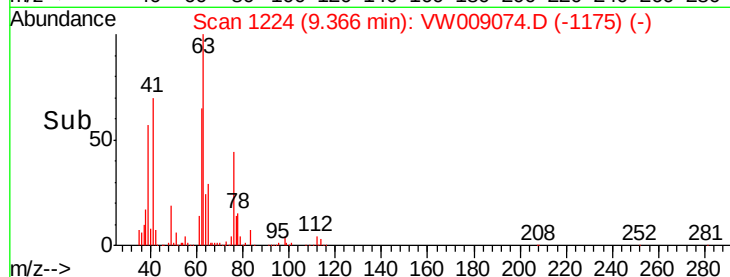
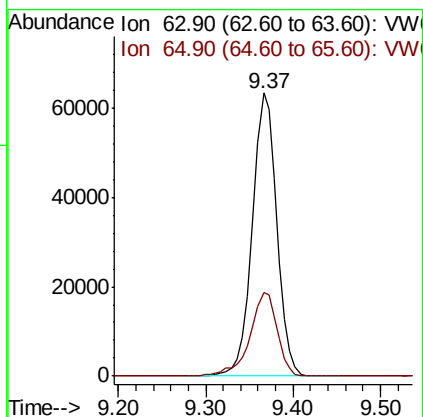
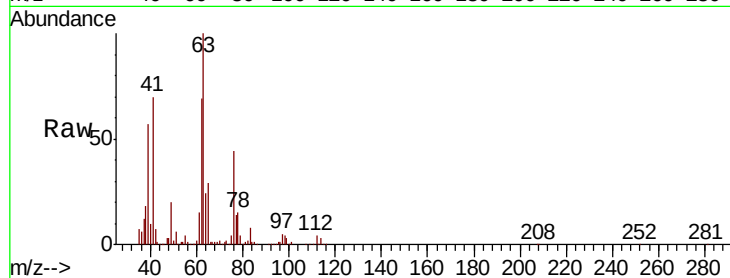
SD2-0.5-1.0MS

Tot Ion: 63 Resp: 122803

Ion Ratio Lower Upper

63 100

65 29.4 24.9 37.3



#46

Dibromomethane

Concen: 49.425 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

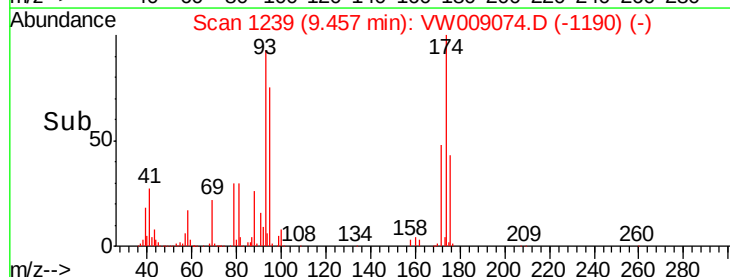
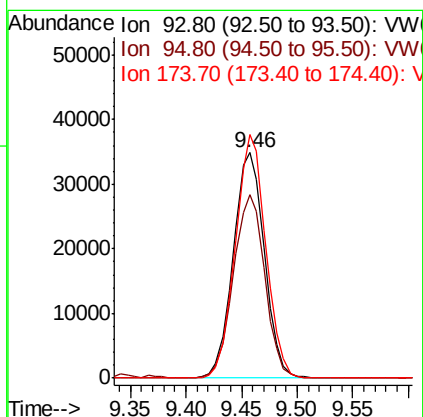
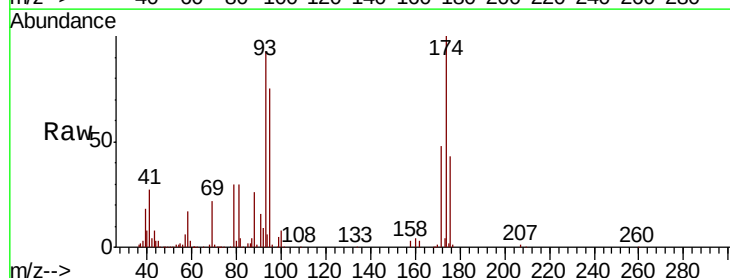
Tgt Ion: 93 Resp: 67424

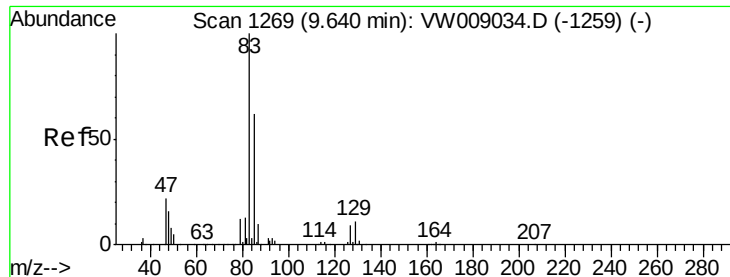
Ion Ratio Lower Upper

93 100

95 82.3 65.0 97.6

174 105.6 81.8 122.6

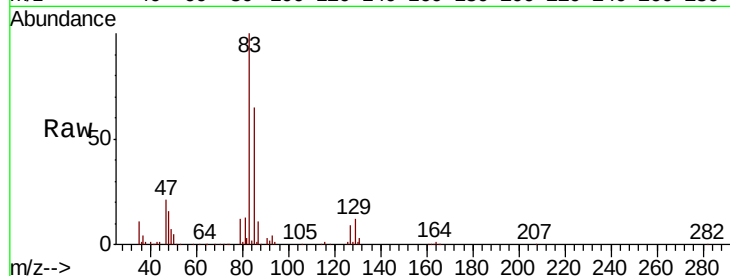




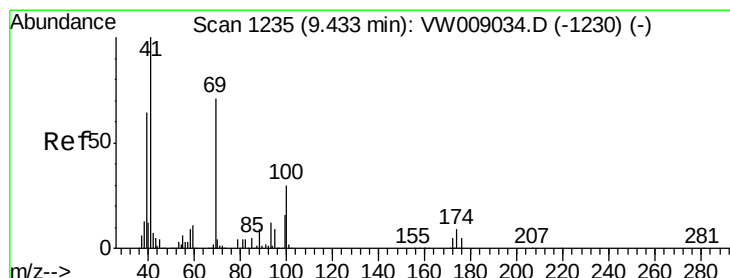
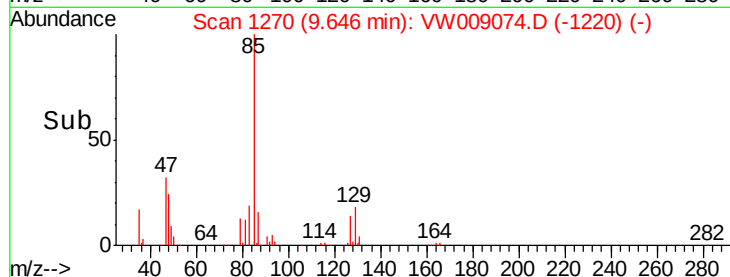
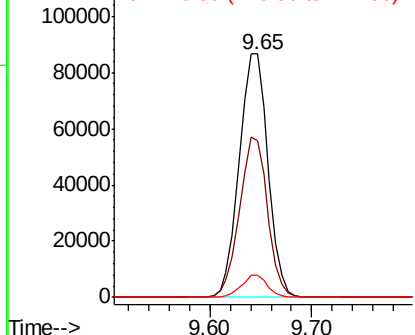
#47
Bromodichloromethane
Concen: 48.992 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion: 83 Resp: 169179
Ion Ratio Lower Upper
83 100
85 64.5 49.9 74.9
127 9.1 7.1 10.7

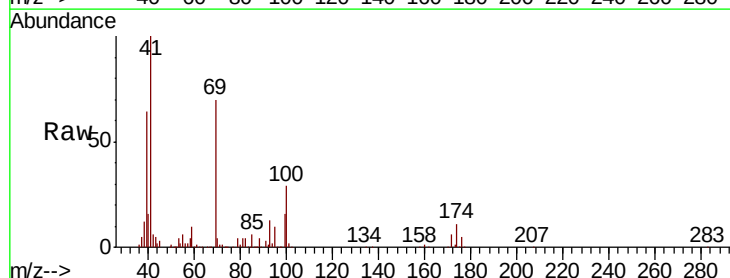


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW

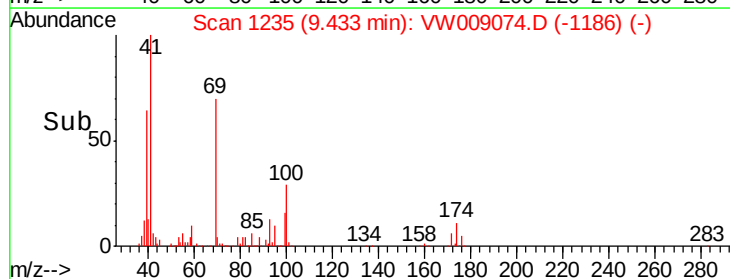
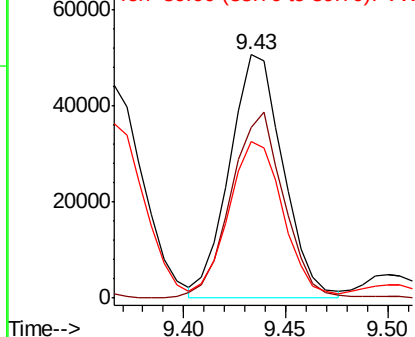


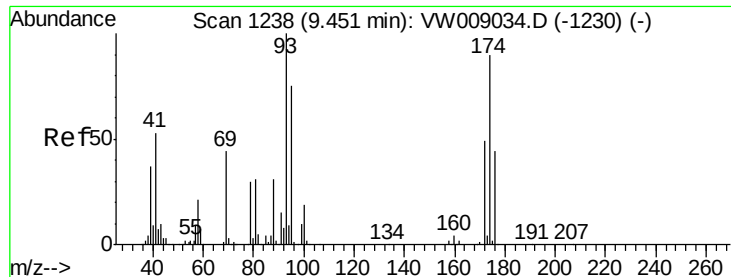
#48
Methyl methacrylate
Concen: 60.668 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion: 41 Resp: 92328
Ion Ratio Lower Upper
41 100
69 76.0 59.1 88.7
39 65.1 48.9 73.3



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 984.716 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

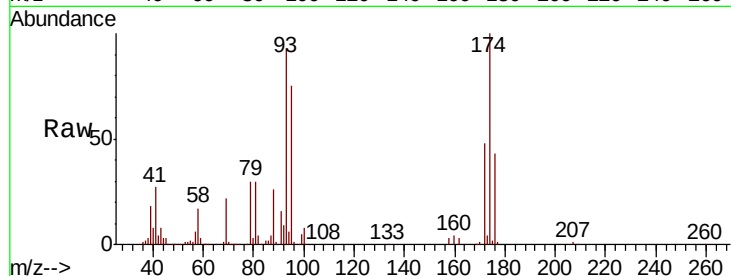
Tot Ion: 88 Resp: 19236

Ion Ratio Lower Upper

88 100

43 30.9 29.0 43.4

58 76.6 59.2 88.8

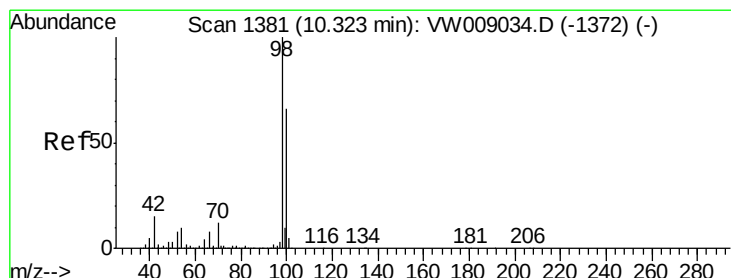
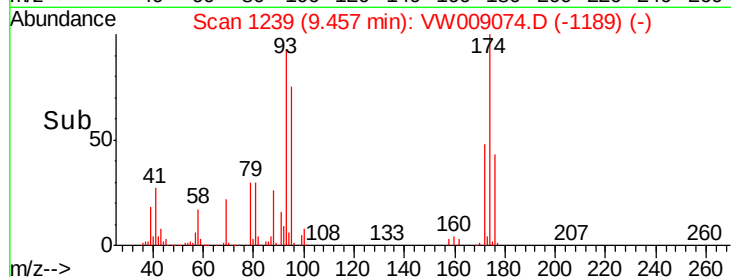
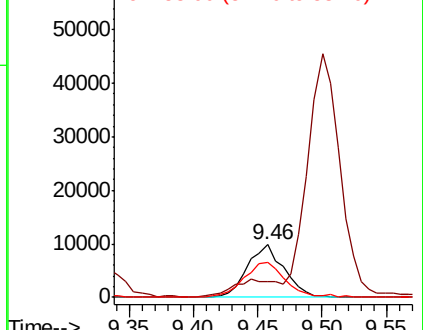


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 55.032 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009074.D

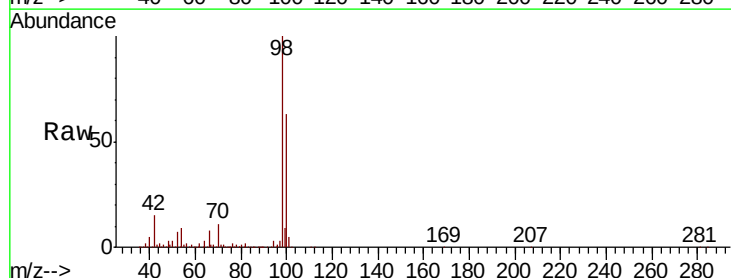
Acq: 08 Mar 2019 23:59

Tgt Ion: 98 Resp: 486244

Ion Ratio Lower Upper

98 100

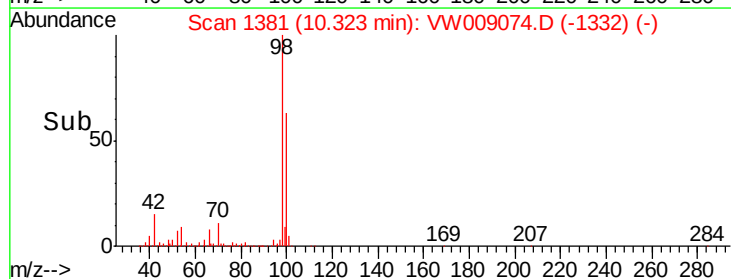
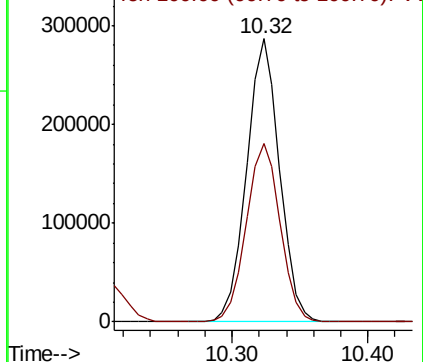
100 64.8 51.9 77.9

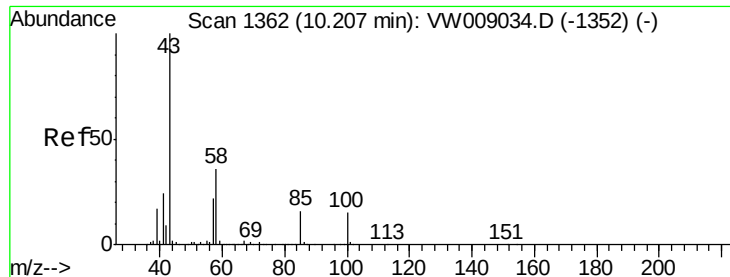


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

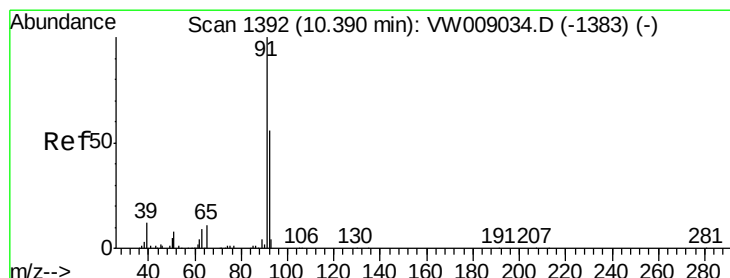
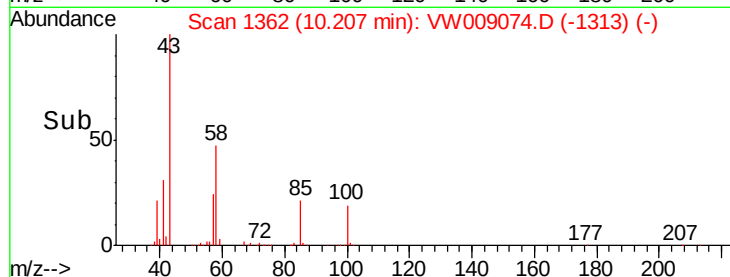
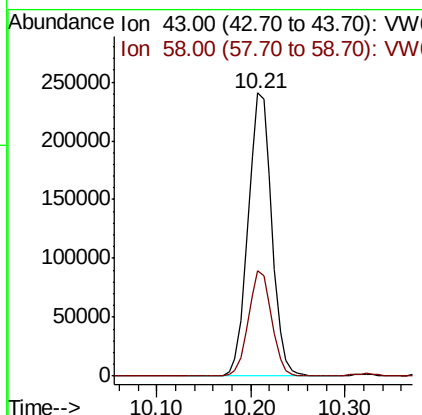
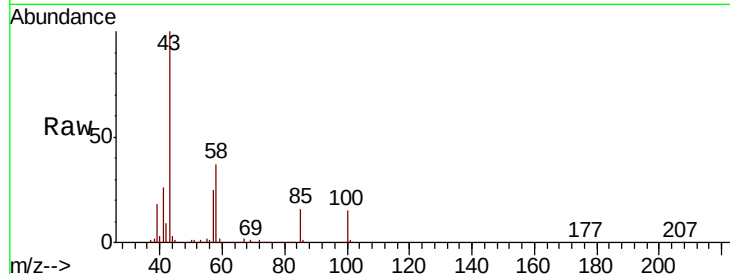




#51
4-Methyl-2-Pentanone
Concen: 255.843 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

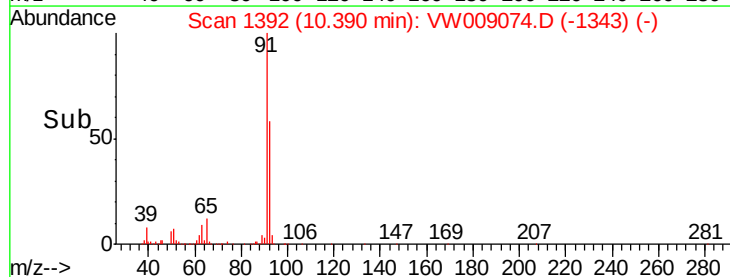
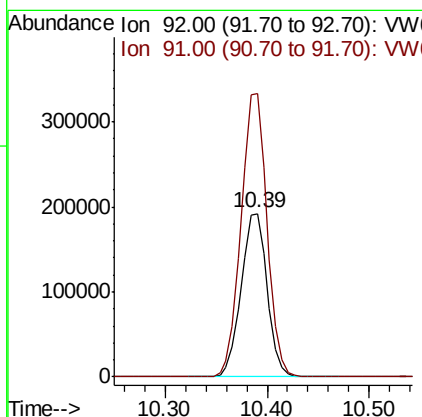
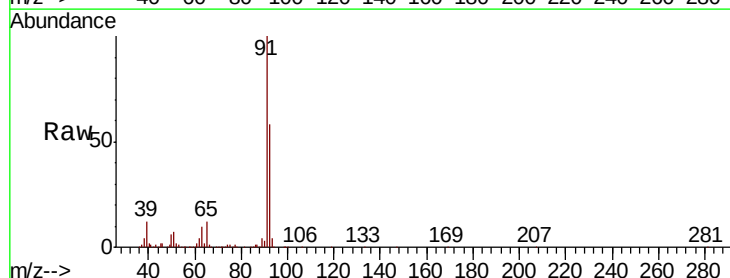
Instrument :
MSVOA_W
ClientSampled :
SD2-0.5-1.0MS

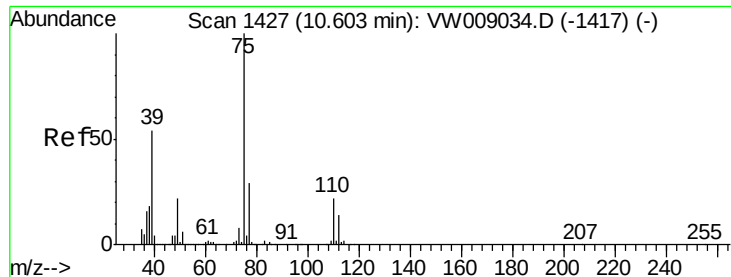
Tot Ion: 43 Resp: 424508
Ion Ratio Lower Upper
43 100
58 36.4 28.8 43.2



#52
Toluene
Concen: 50.072 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion: 92 Resp: 338667
Ion Ratio Lower Upper
92 100
91 173.6 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 47.198 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampled :

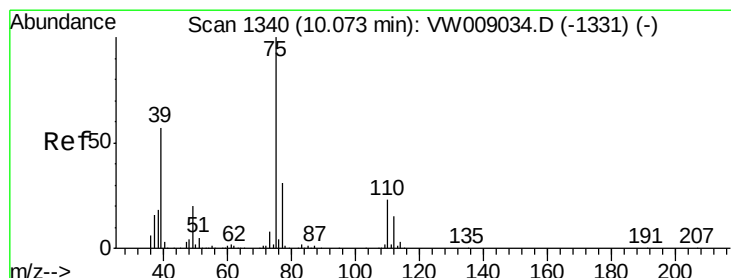
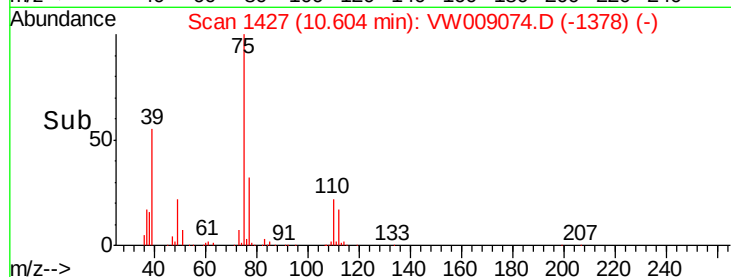
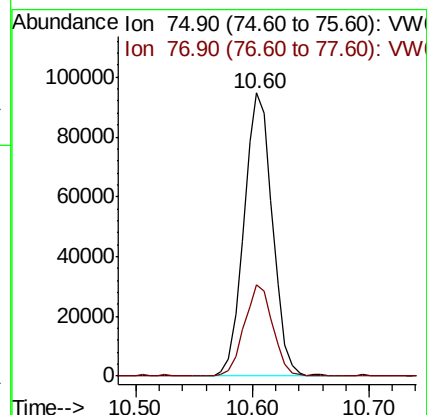
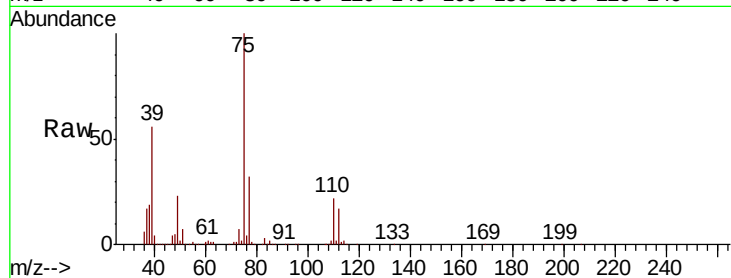
SD2-0.5-1.0MS

Tot Ion: 75 Resp: 161199

Ion Ratio Lower Upper

75 100

77 32.3 23.6 35.4



#54

cis-1,3-Dichloropropene

Concen: 46.550 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

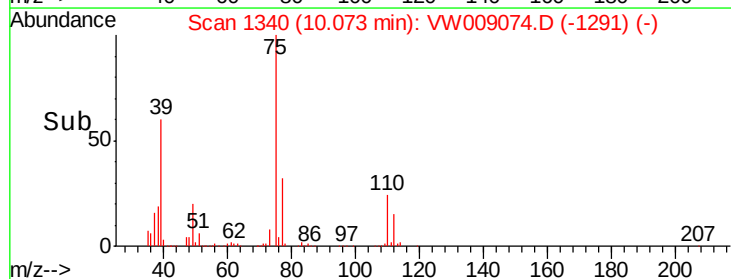
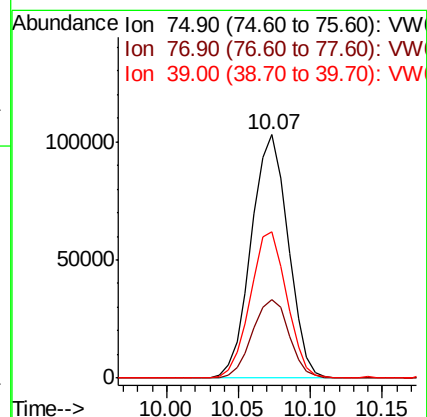
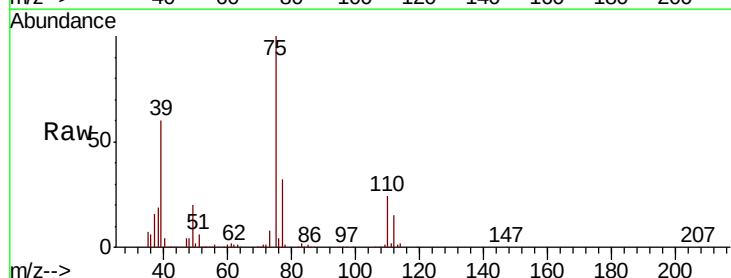
Tgt Ion: 75 Resp: 182700

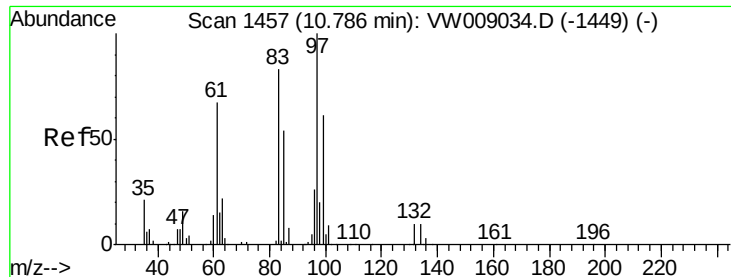
Ion Ratio Lower Upper

75 100

77 32.3 24.6 36.8

39 60.1 45.9 68.9

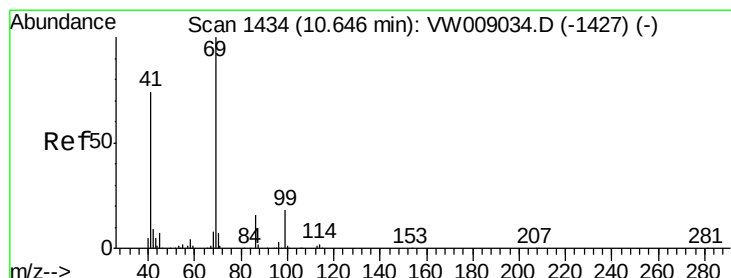
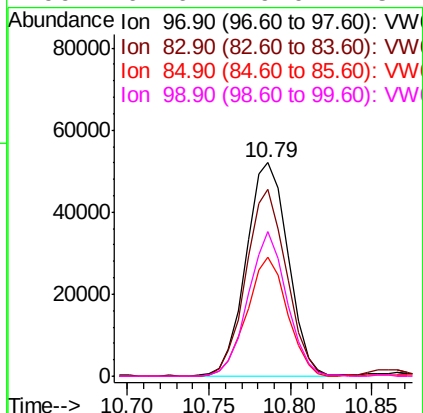
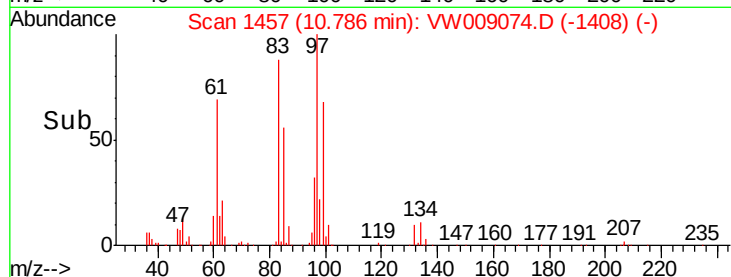
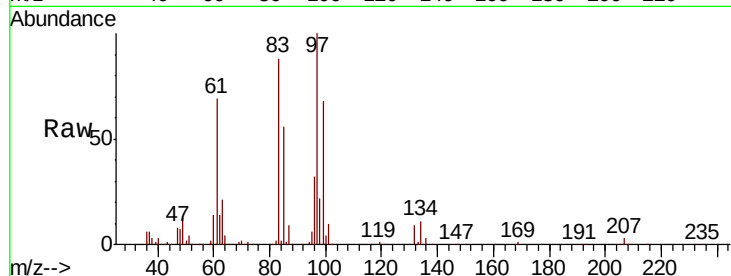




#55
 1,1,2-Trichloroethane
 Concen: 50.483 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

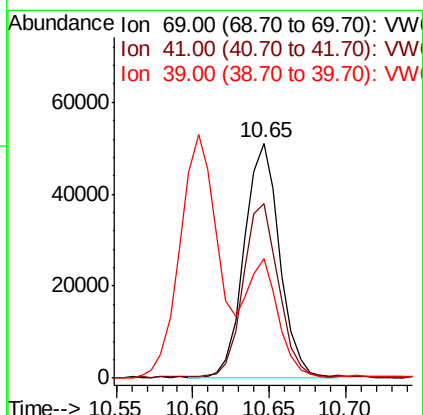
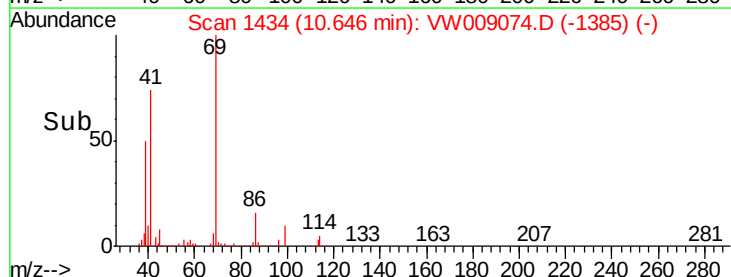
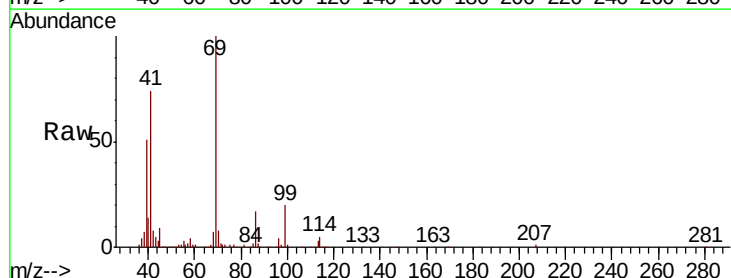
Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MS

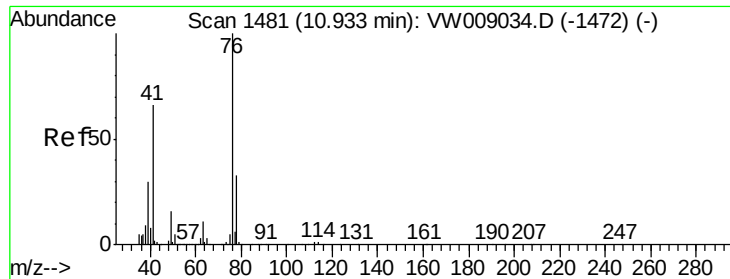
Tot Ion:	97	Resp:	93341
Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.2	99.2
85	55.9	43.6	65.4
99	67.6	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 35.688 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Tgt Ion:	69	Resp:	81893
Ion	Ratio	Lower	Upper
69	100		
41	73.5	59.4	89.2
39	45.5	38.5	57.7





#57

1,3-Dichloropropane

Concen: 49.655 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

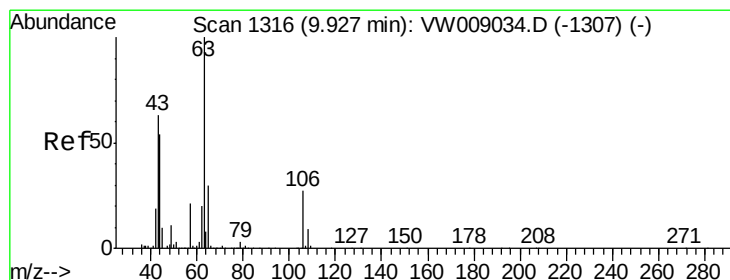
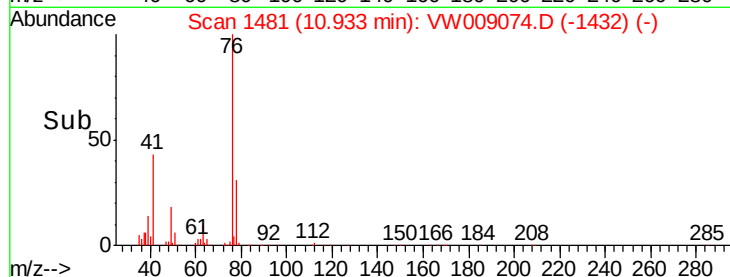
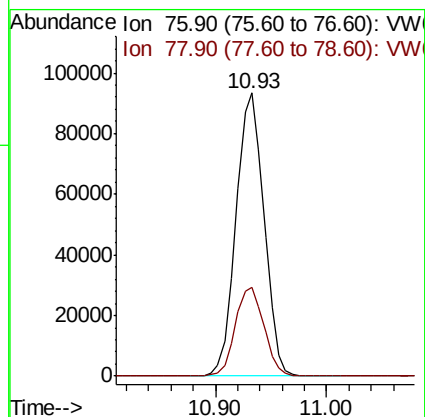
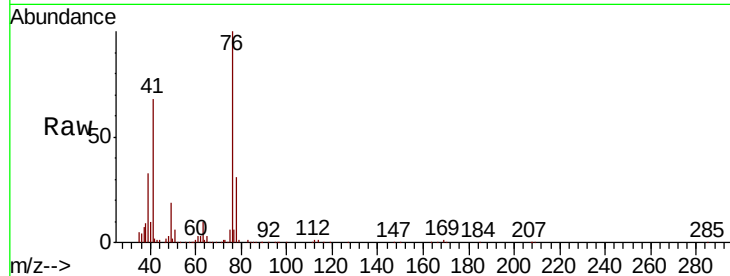
SD2-0.5-1.0MS

Tot Ion: 76 Resp: 162642

Ion Ratio Lower Upper

76 100

78 32.0 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 248.053 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW009074.D

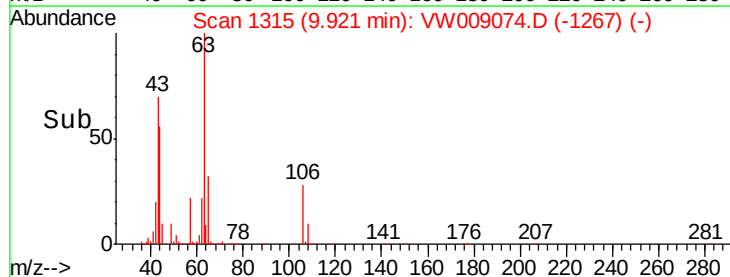
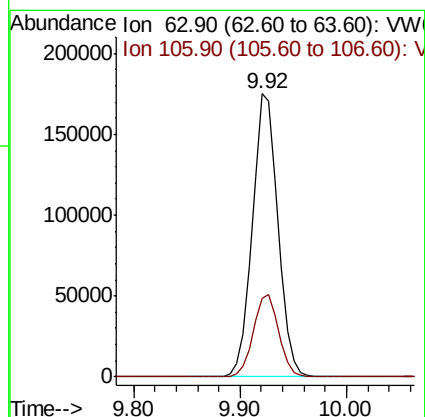
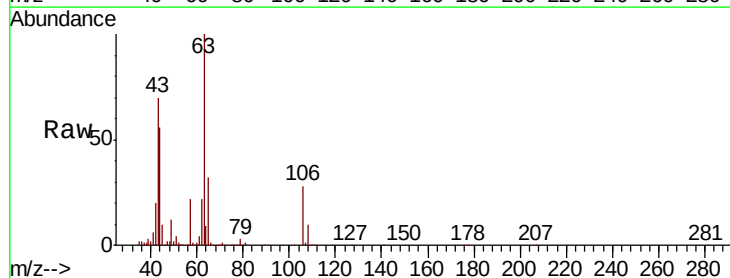
Acq: 08 Mar 2019 23:59

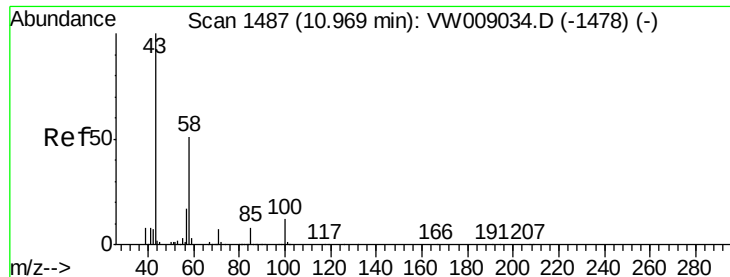
Tgt Ion: 63 Resp: 295085

Ion Ratio Lower Upper

63 100

106 28.9 23.0 34.6

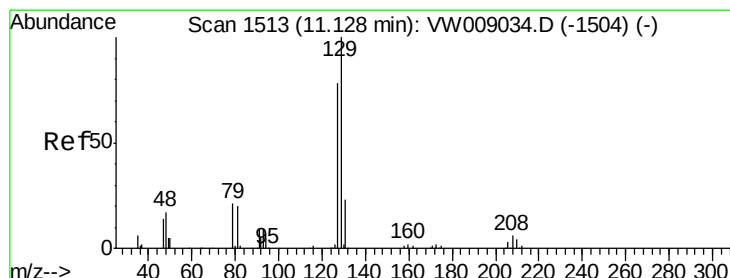
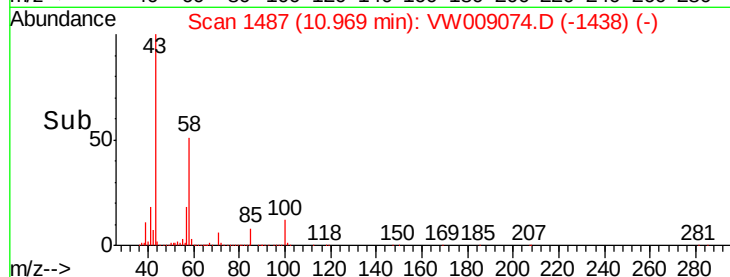
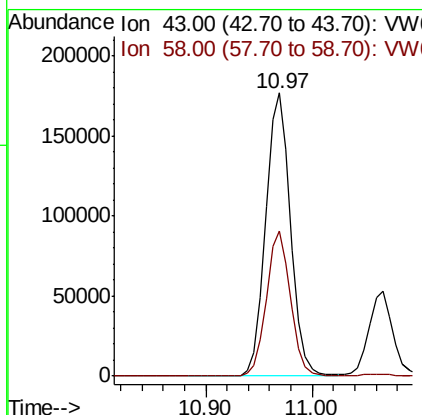
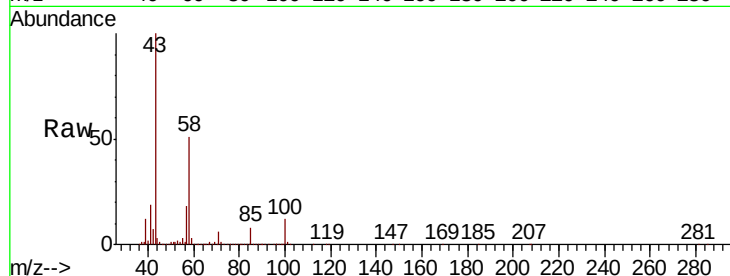




#59
2-Hexanone
Concen: 246.370 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

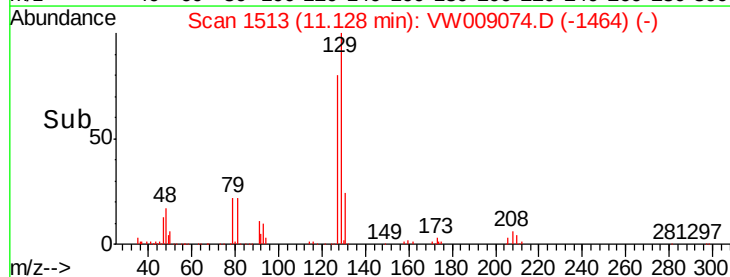
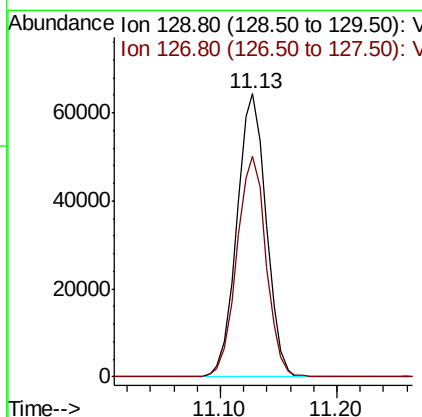
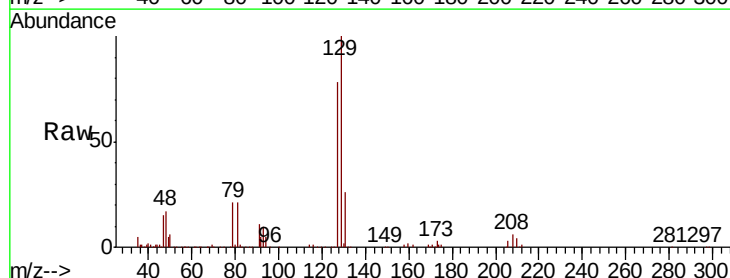
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

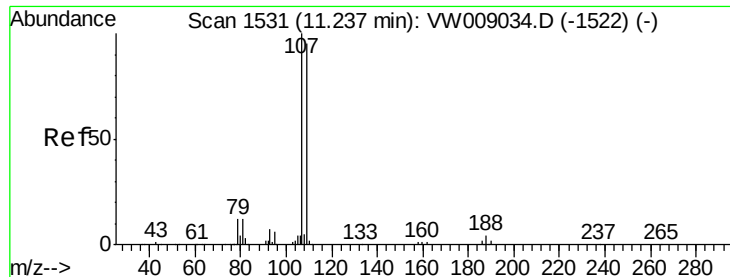
Tot Ion: 43 Resp: 287413
Ion Ratio Lower Upper
43 100
58 50.0 25.3 75.9



#60
Dibromochloromethane
Concen: 49.294 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion: 129 Resp: 112794
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.1





#61

1,2-Dibromoethane

Concen: 49.379 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

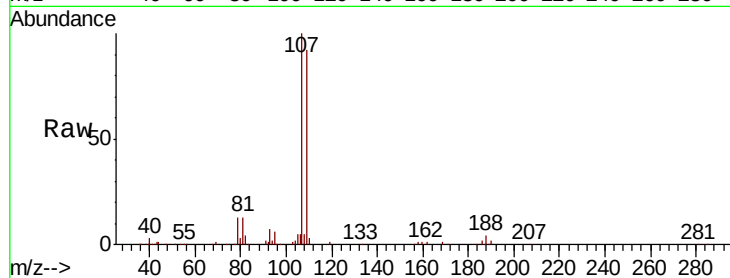
SD2-0.5-1.0MS

Tot Ion: 107 Resp: 89504

Ion Ratio Lower Upper

107 100

109 94.5 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

60000

50000

40000

30000

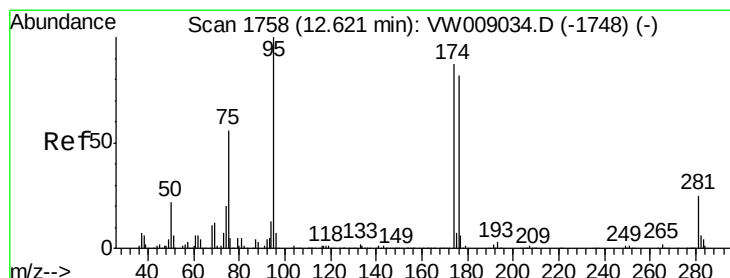
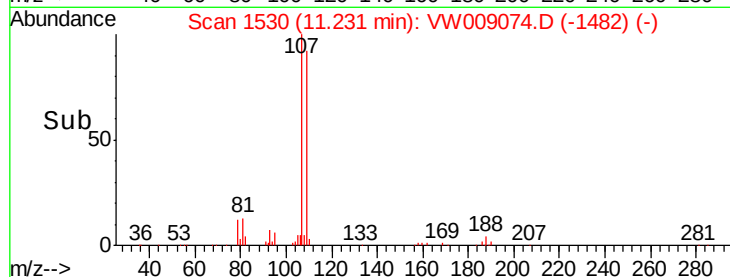
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 50.370 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

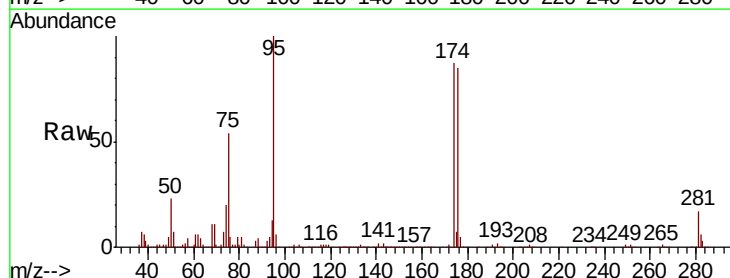
Tgt Ion: 95 Resp: 175199

Ion Ratio Lower Upper

95 100

174 84.9 0.0 167.0

176 82.4 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

150000

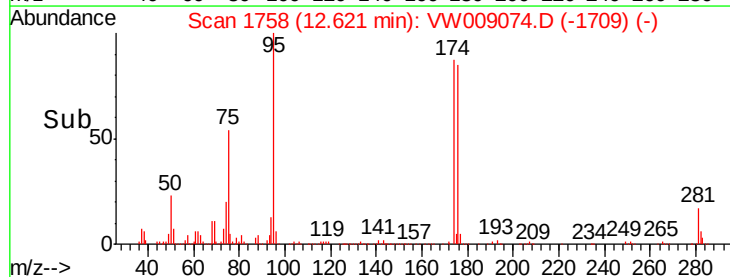
100000

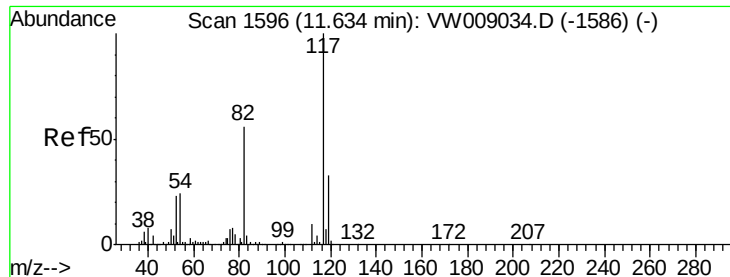
50000

0

Time-->

12.50 12.60 12.70

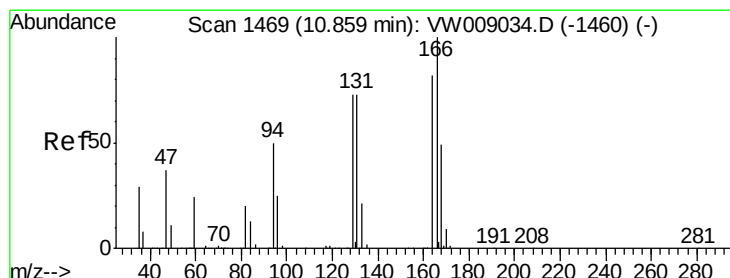
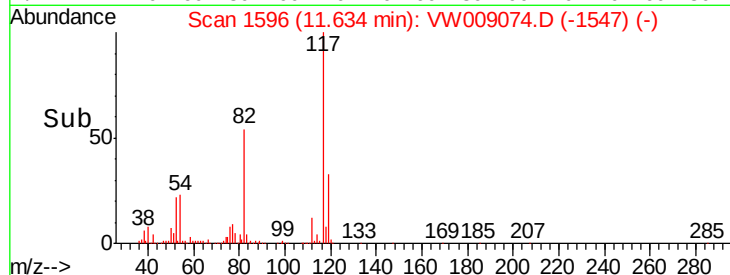
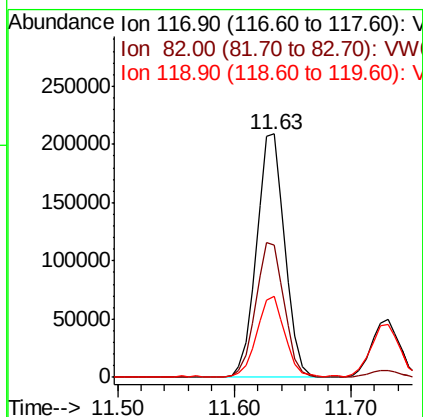
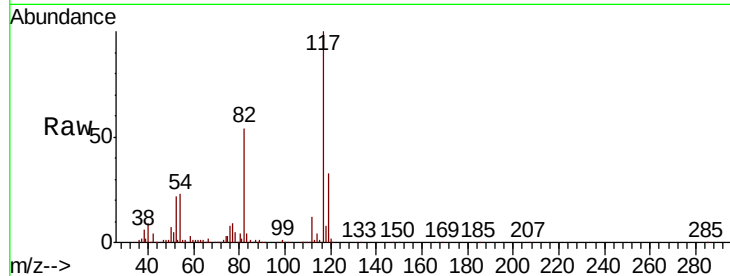




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

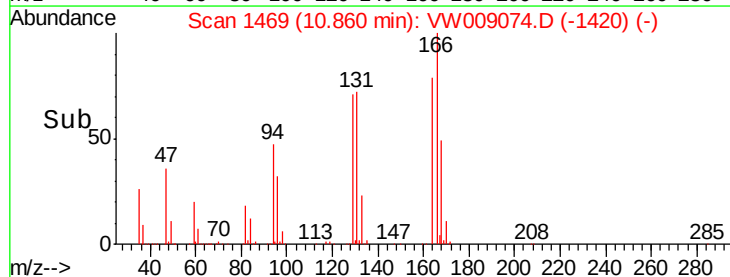
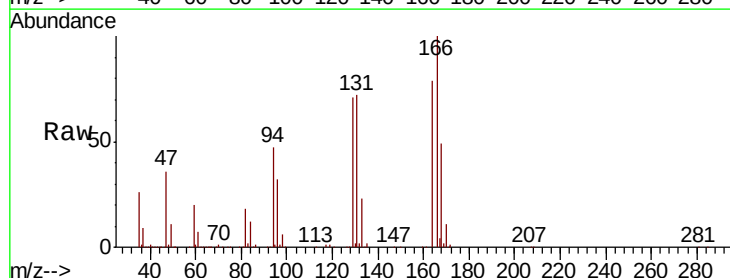
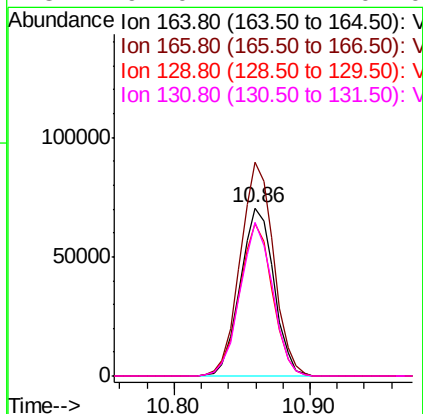
Instrument :
MSVOA_W
ClientSampled :
SD2-0.5-1.0MS

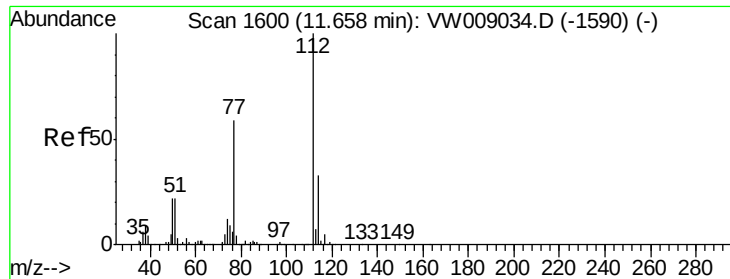
Tot Ion:117 Resp: 352021
Ion Ratio Lower Upper
117 100
82 54.2 45.0 67.6
119 32.9 26.6 39.8



#64
Tetrachloroethene
Concen: 47.895 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion:164 Resp: 121586
Ion Ratio Lower Upper
164 100
166 126.9 97.8 146.6
129 90.3 71.6 107.4
131 91.0 71.4 107.0

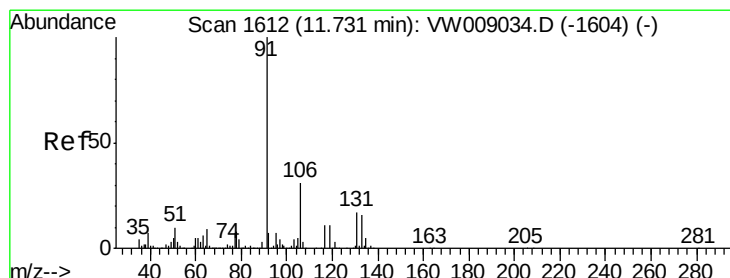
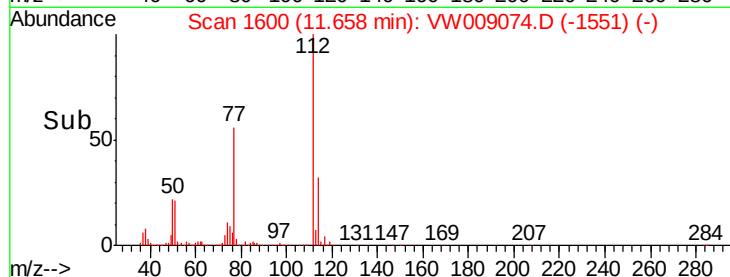
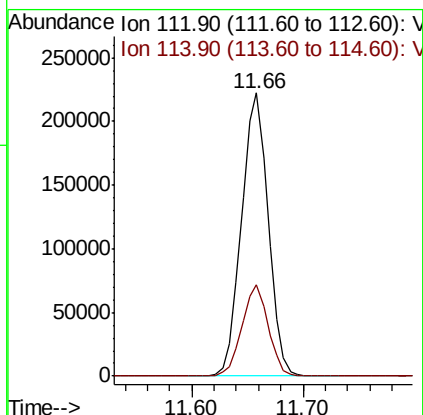
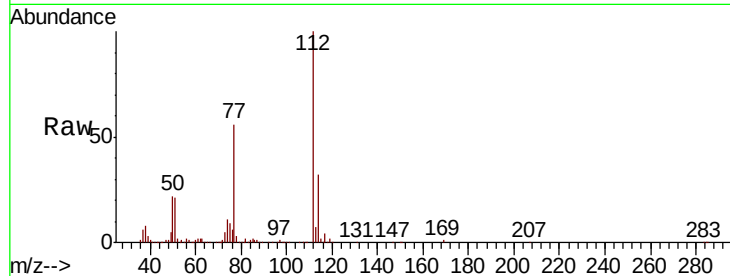




#65
Chlorobenzene
Concen: 48.157 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

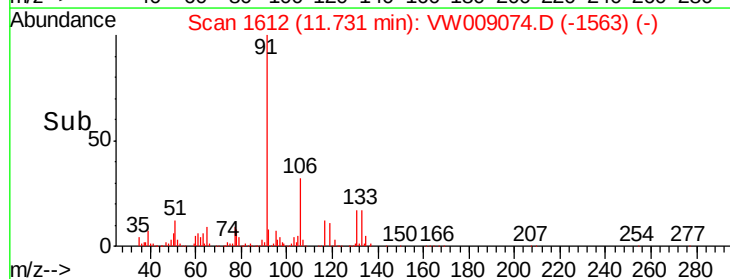
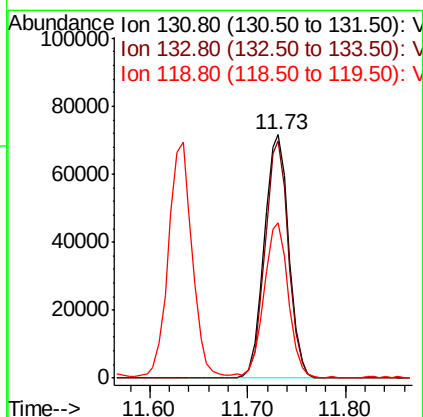
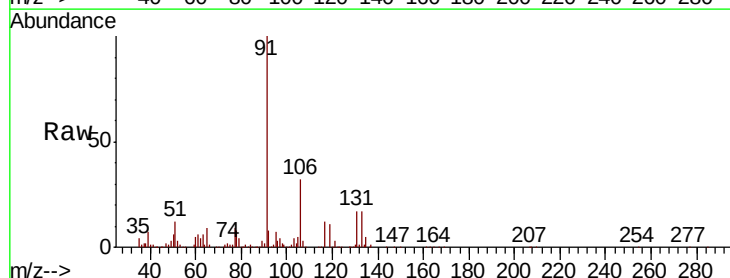
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

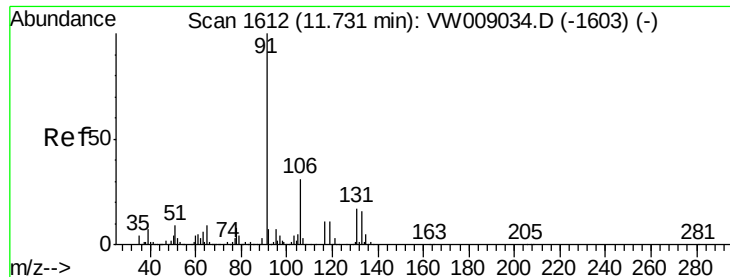
Tot Ion:112 Resp: 368989
Ion Ratio Lower Upper
112 100
114 32.2 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.983 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion:131 Resp: 125317
Ion Ratio Lower Upper
131 100
133 93.6 47.6 142.8
119 63.5 31.3 93.8

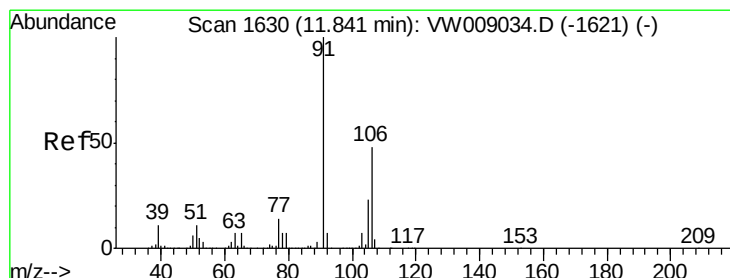
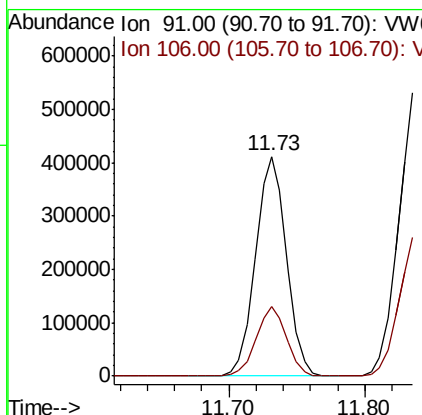
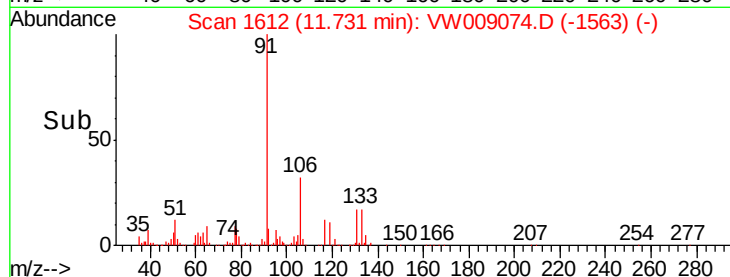
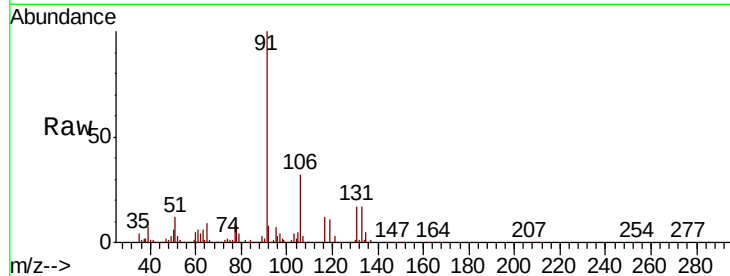




#67
Ethyl Benzene
Concen: 47.375 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

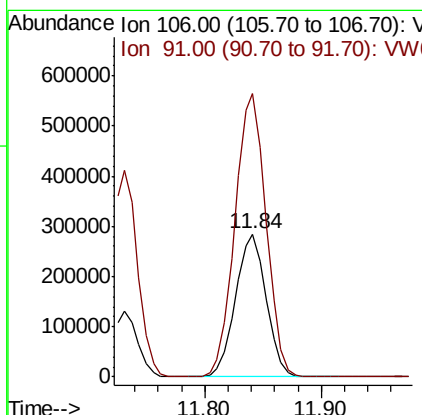
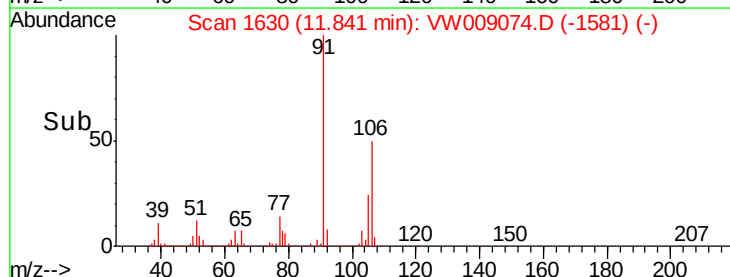
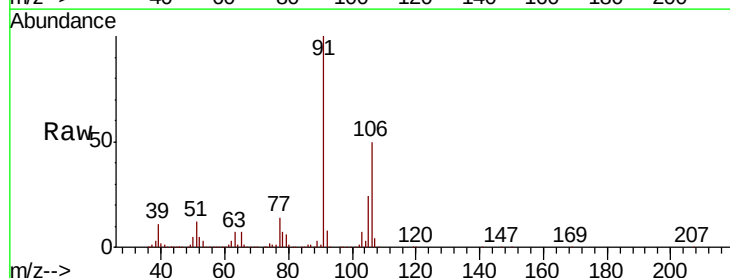
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

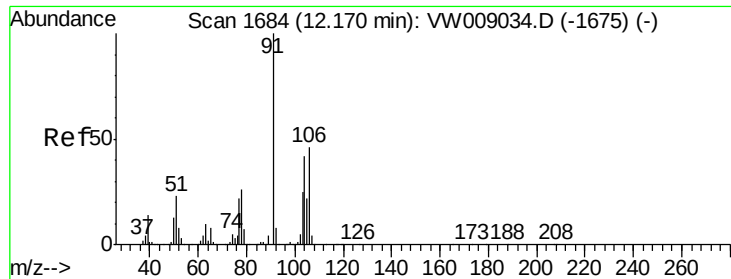
Tot Ion: 91 Resp: 655768
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.4



#68
m/p-Xylenes
Concen: 95.142 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion: 106 Resp: 519825
Ion Ratio Lower Upper
106 100
91 202.0 163.2 244.8

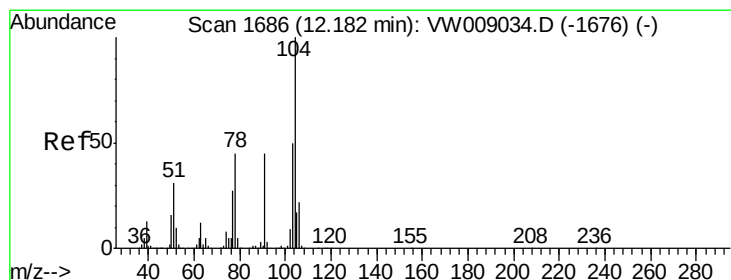
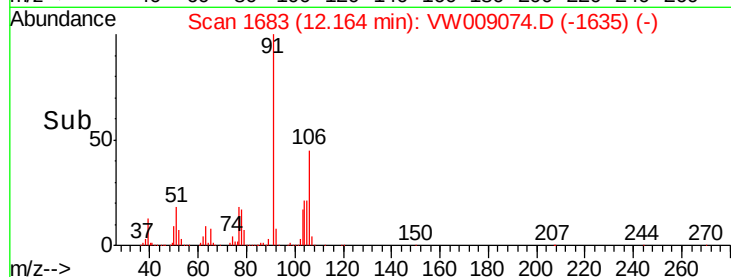
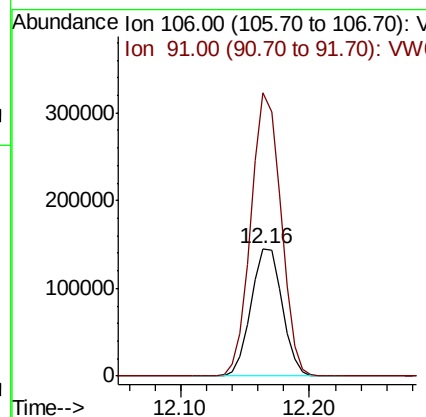
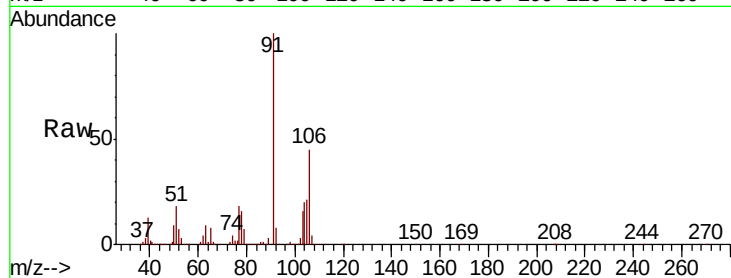




#69
o-Xylene
Concen: 47.454 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

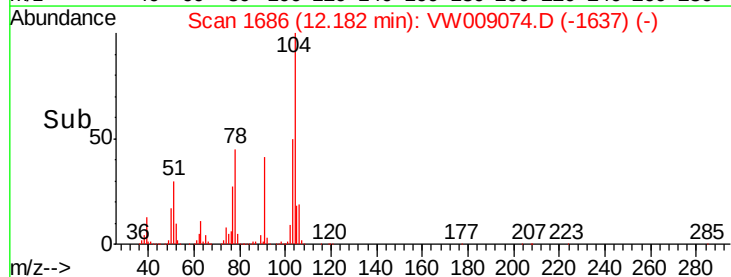
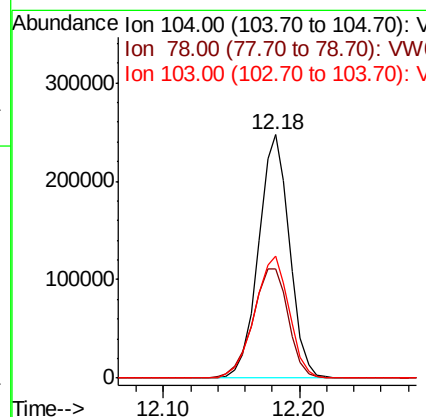
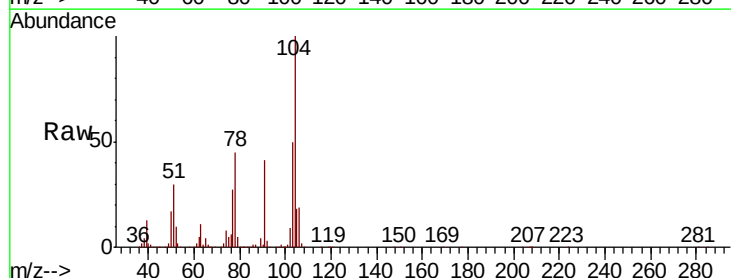
Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

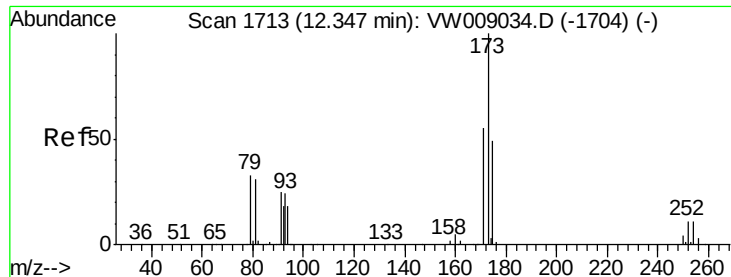
Tot Ion:106 Resp: 241243
Ion Ratio Lower Upper
106 100
91 215.4 108.6 325.6



#70
Styrene
Concen: 48.027 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion:104 Resp: 395030
Ion Ratio Lower Upper
104 100
78 51.9 42.1 63.1
103 55.5 43.9 65.9





#71

Bromoform

Concen: 50.468 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampled :

SD2-0.5-1.0MS

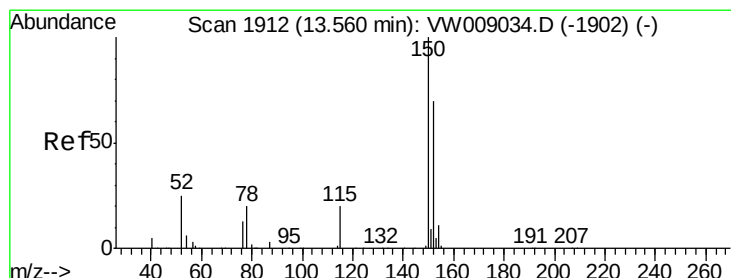
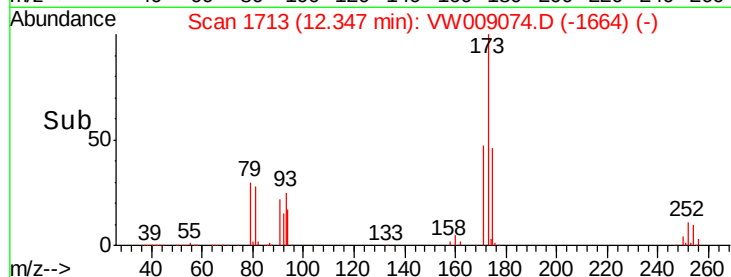
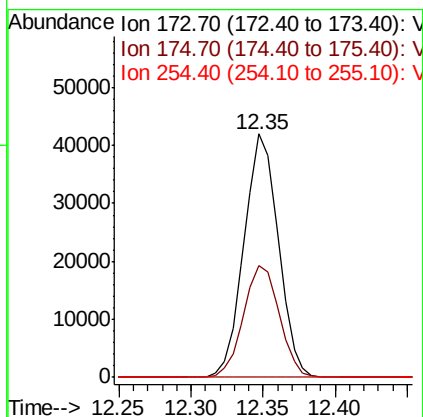
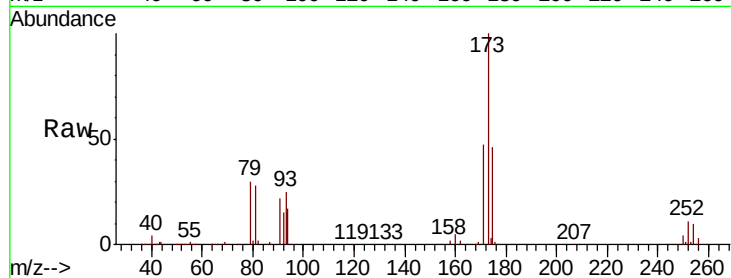
Tot Ion:173 Resp: 69328

Ion Ratio Lower Upper

173 100

175 48.0 24.6 74.0

254 0.2 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

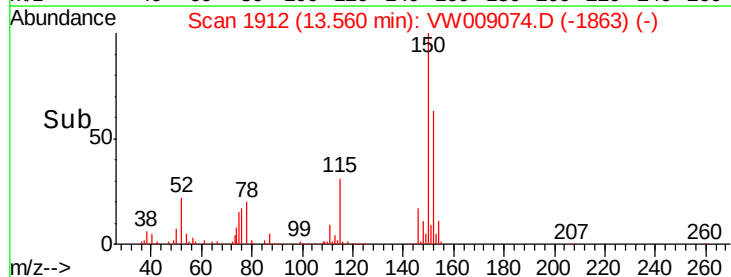
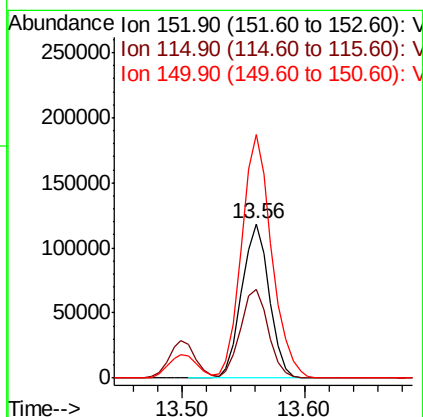
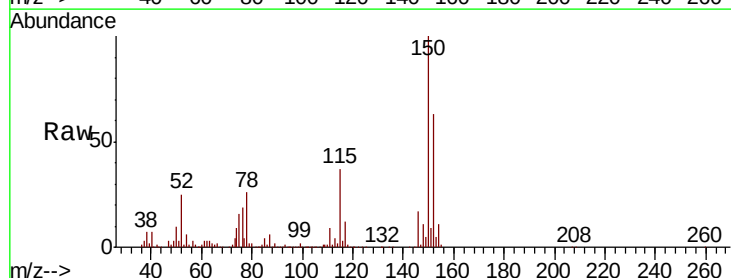
Tgt Ion:152 Resp: 184267

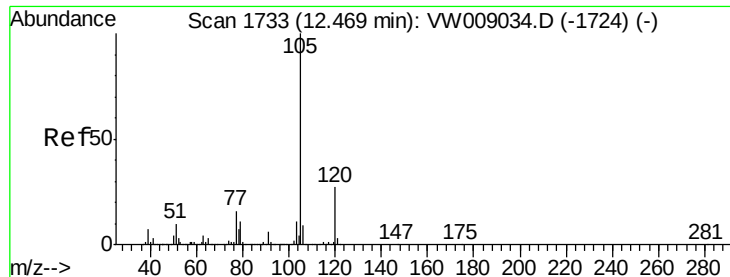
Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 172.7 0.0 349.2





#73

Isopropylbenzene

Concen: 48.960 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

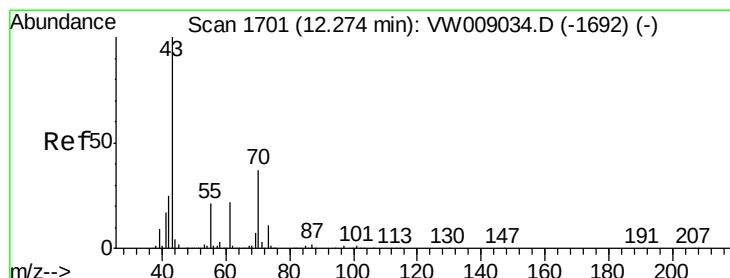
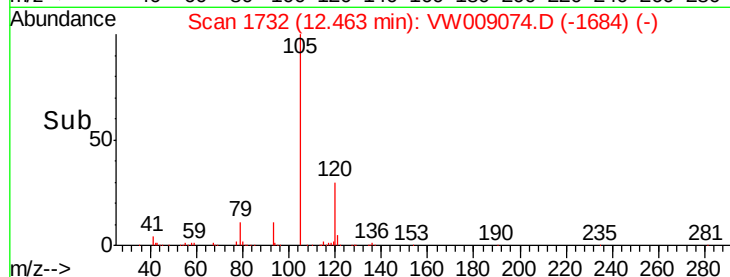
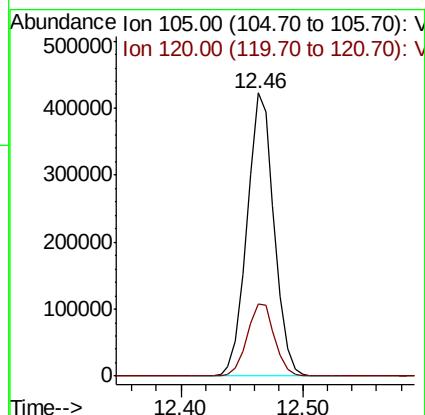
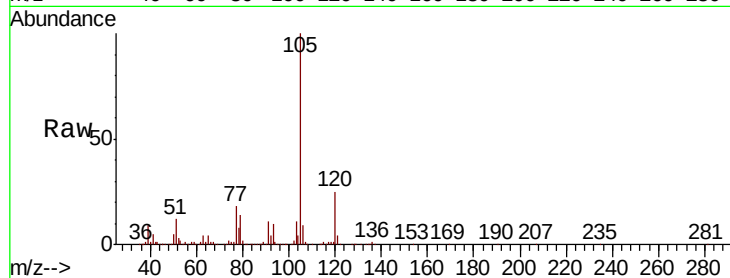
SD2-0.5-1.0MS

Tot Ion:105 Resp: 646061

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.6



#74

N-ethyl acetate

Concen: 23.062 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Tgt Ion: 43 Resp: 72042

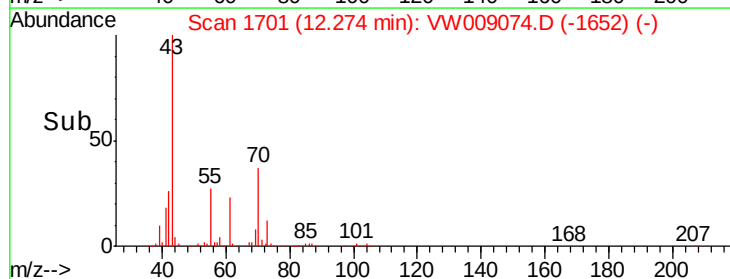
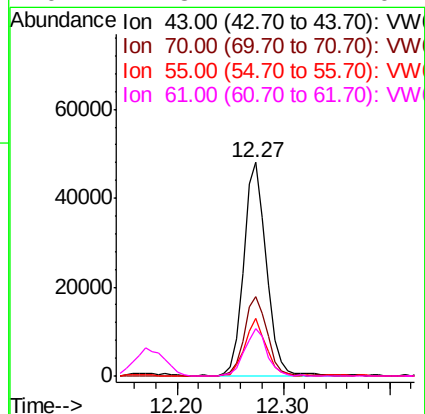
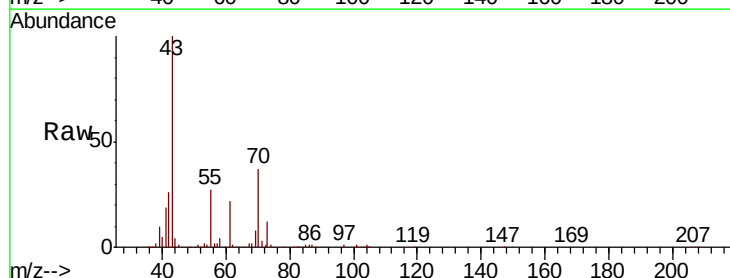
Ion Ratio Lower Upper

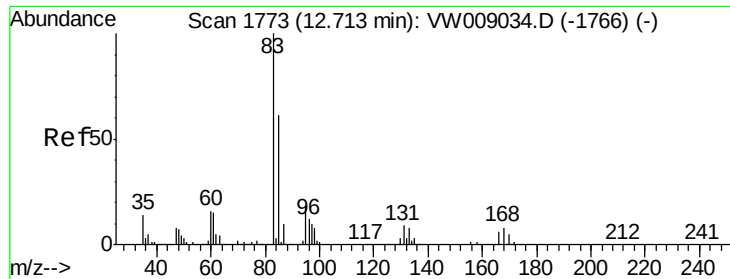
43 100

70 37.6 30.8 46.2

55 25.2 17.8 26.8

61 21.8 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.137 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

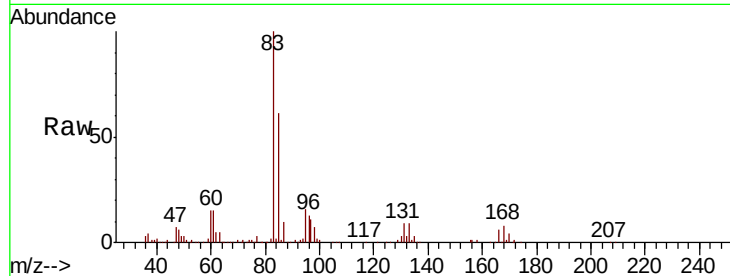
Tot Ion: 83 Resp: 110603

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.7

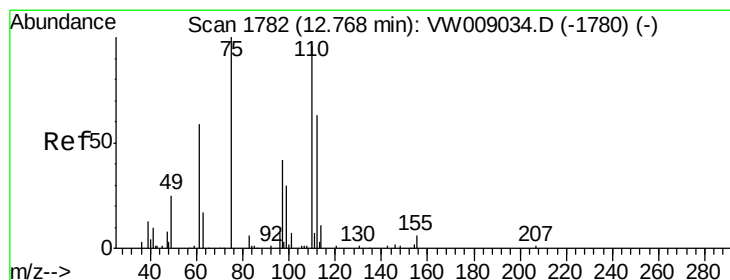
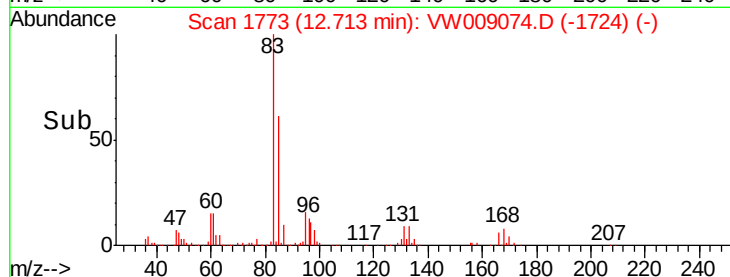
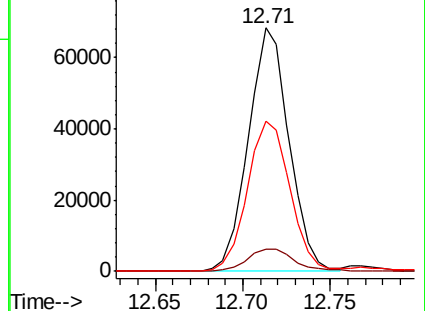
85 64.3 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 102.422 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009074.D

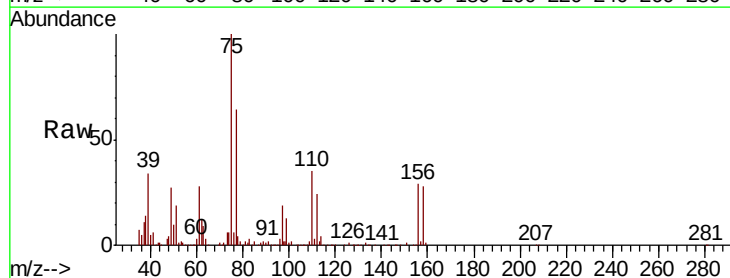
Acq: 08 Mar 2019 23:59

Tgt Ion: 75 Resp: 149113

Ion Ratio Lower Upper

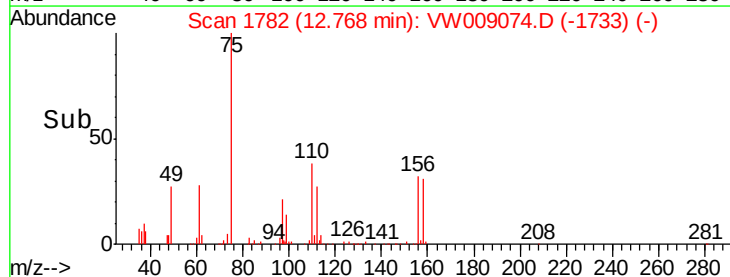
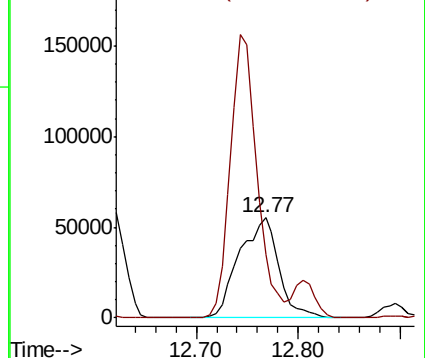
75 100

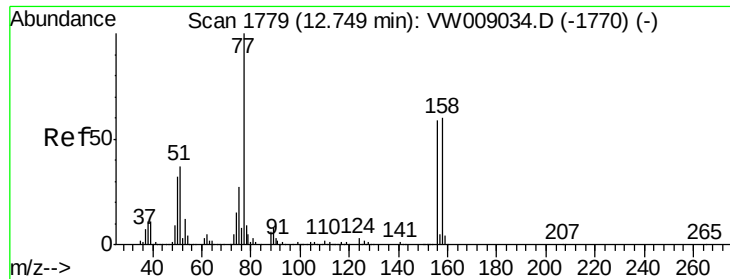
77 0.0 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.897 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

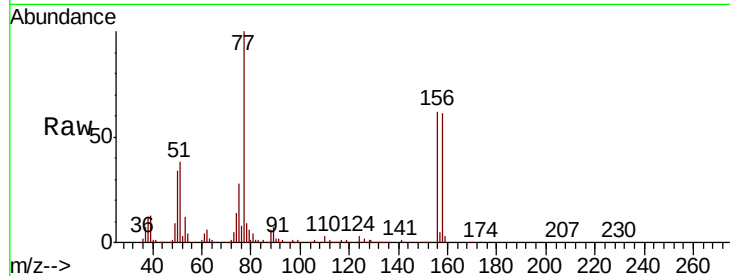
Tot Ion:156 Resp: 156472

Ion Ratio Lower Upper

156 100

77 181.4 93.0 279.2

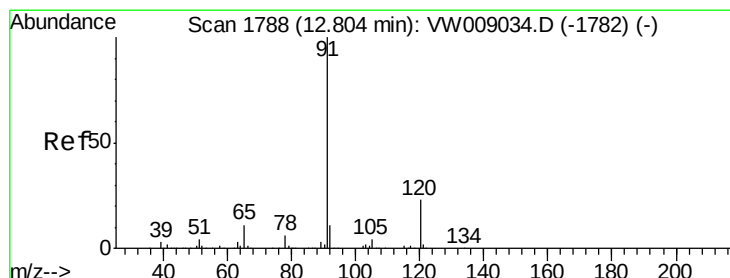
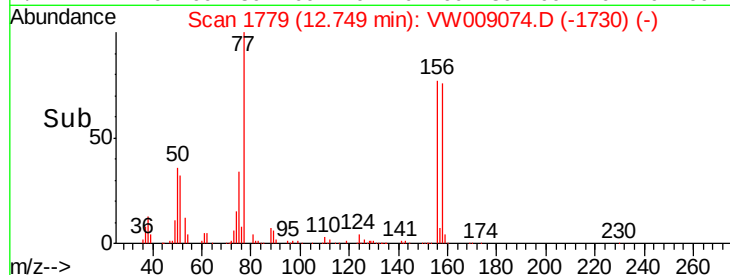
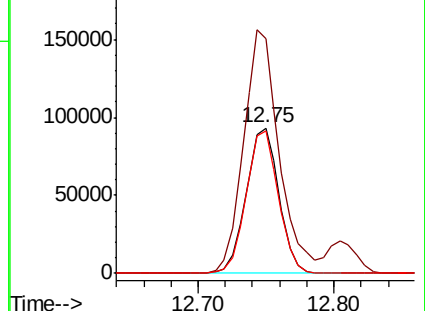
158 96.6 50.0 149.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.137 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009074.D

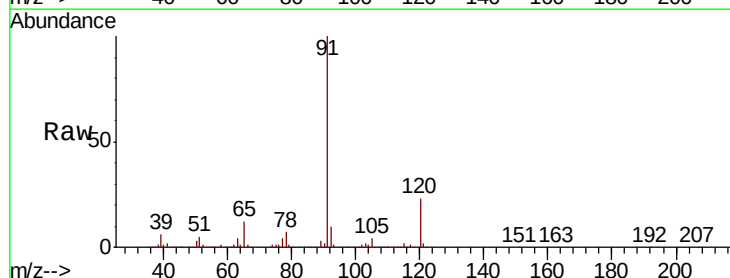
Acq: 08 Mar 2019 23:59

Tgt Ion: 91 Resp: 749894

Ion Ratio Lower Upper

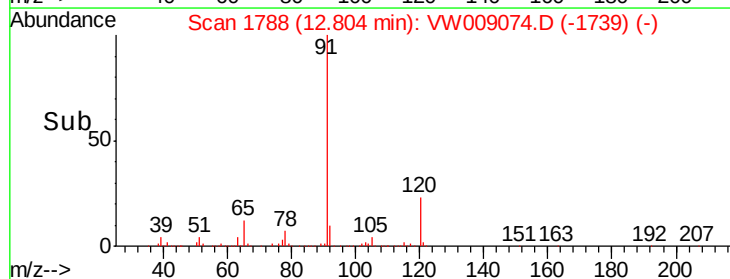
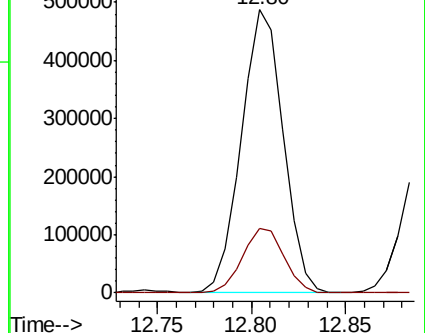
91 100

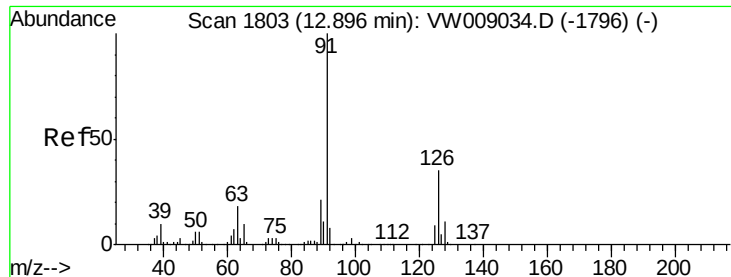
120 23.0 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.034 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

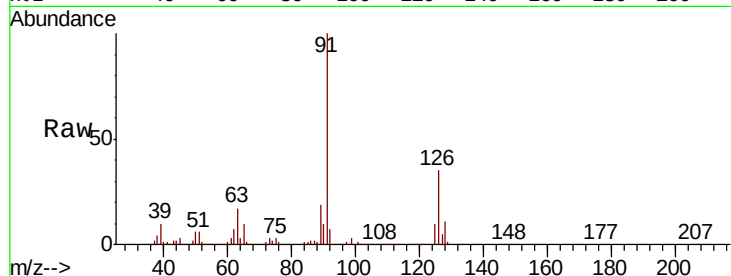
SD2-0.5-1.0MS

Tot Ion: 91 Resp: 438650

Ion Ratio Lower Upper

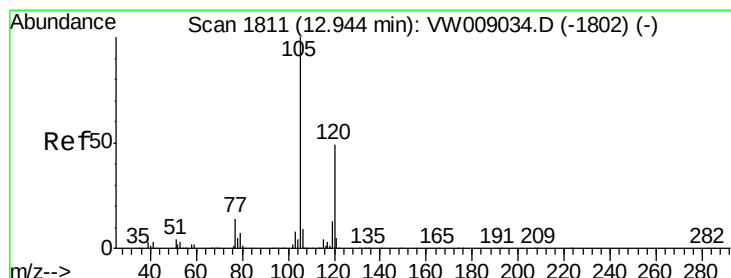
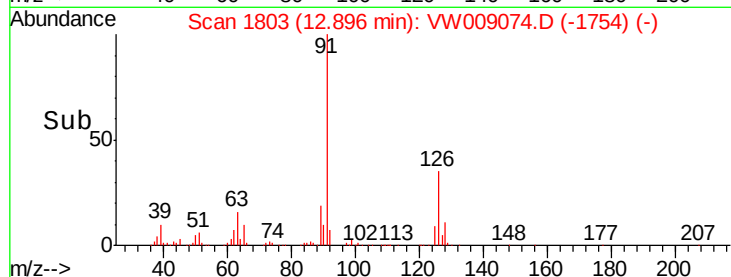
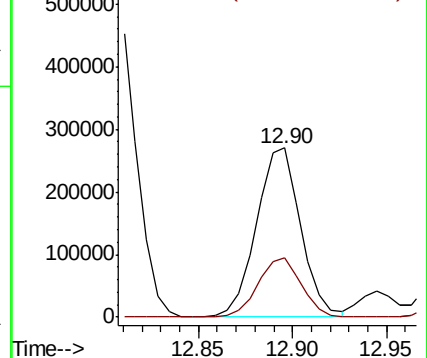
91 100

126 34.5 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.409 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009074.D

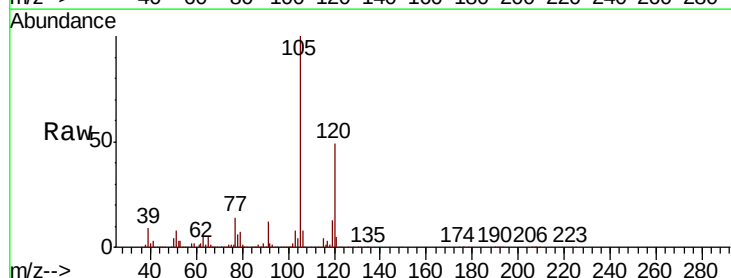
Acq: 08 Mar 2019 23:59

Tgt Ion: 105 Resp: 527875

Ion Ratio Lower Upper

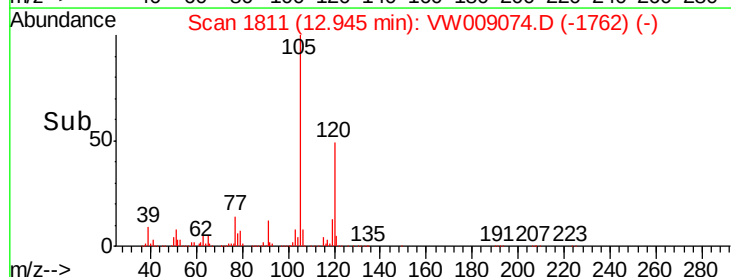
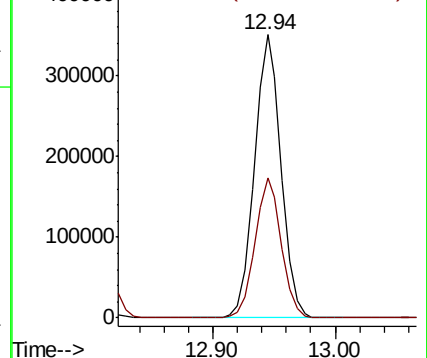
105 100

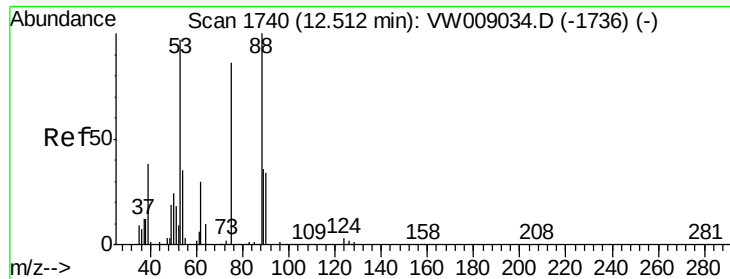
120 48.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.589 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

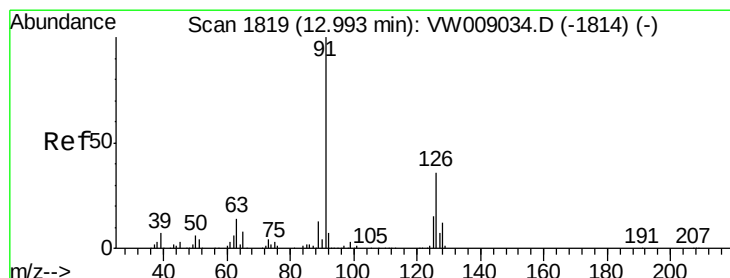
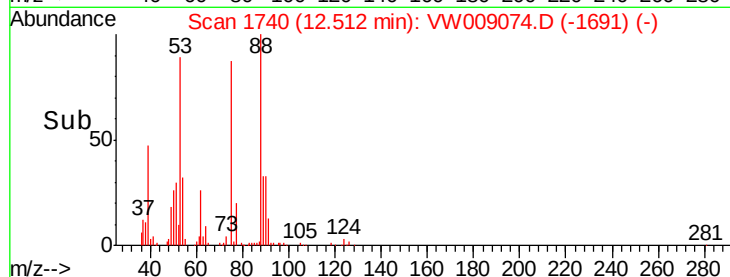
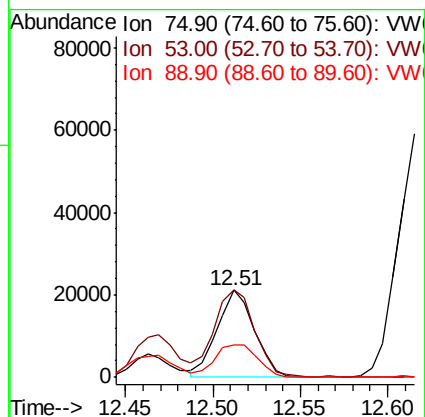
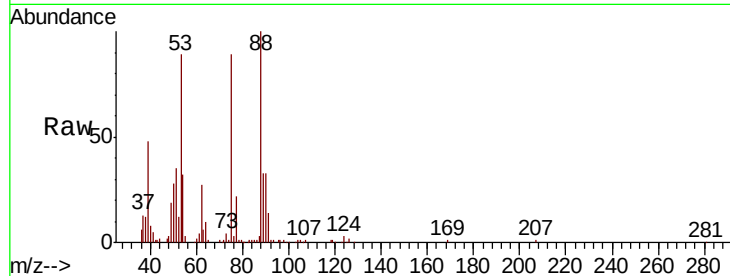
Tot Ion: 75 Resp: 31626

Ion	Ratio	Lower	Upper
75	100		
53	109.2	90.5	135.7
89	43.2	37.5	56.3

75 100

53 109.2 90.5 135.7

89 43.2 37.5 56.3



#82

4-Chlorotoluene

Concen: 47.863 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW009074.D

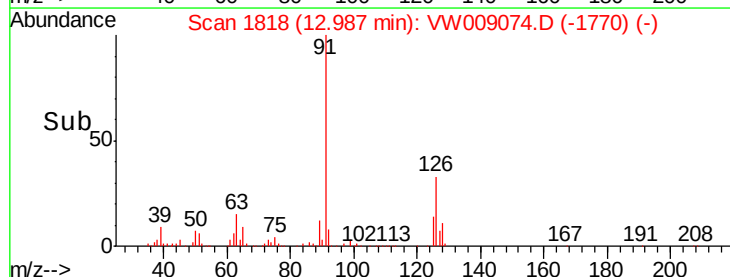
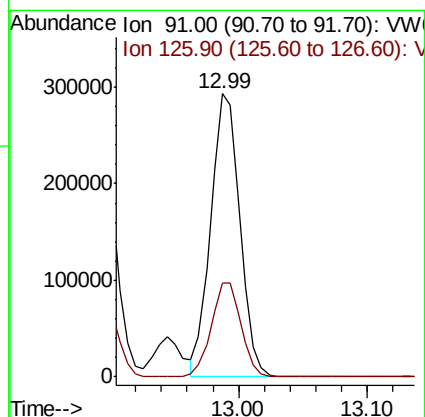
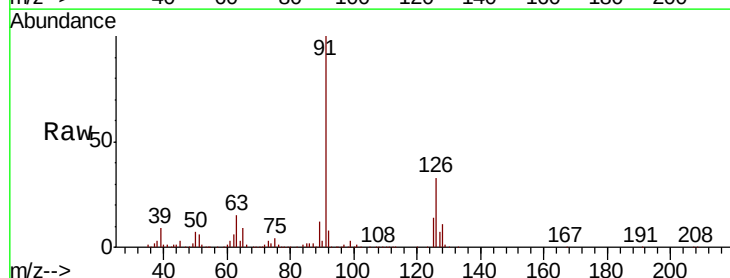
Acq: 08 Mar 2019 23:59

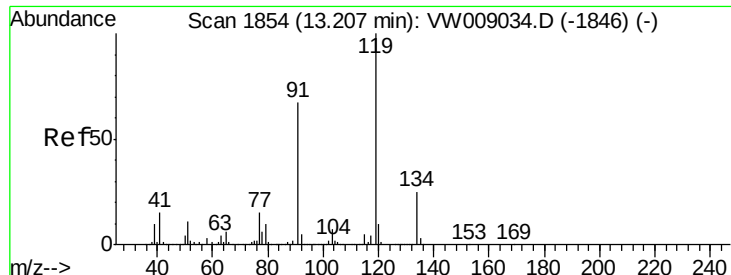
Tgt Ion: 91 Resp: 465919

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.6	49.8

91 100

126 33.9 16.6 49.8





#83

tert-Butylbenzene

Concen: 45.430 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

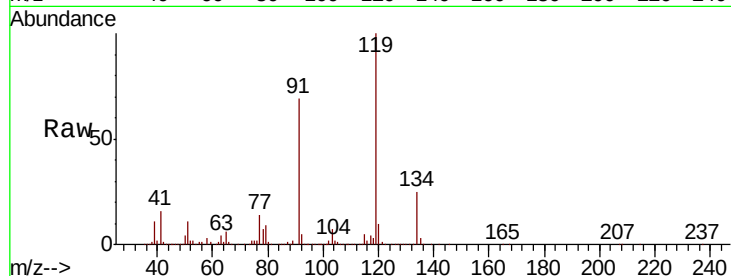
Tot Ion:119 Resp: 435811

Ion Ratio Lower Upper

119 100

91 68.2 34.2 102.5

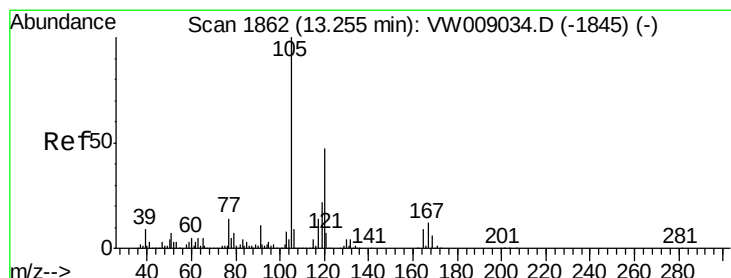
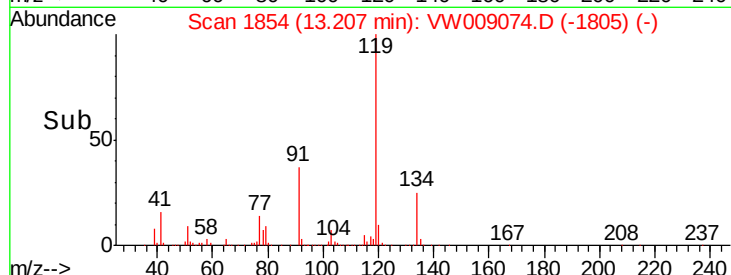
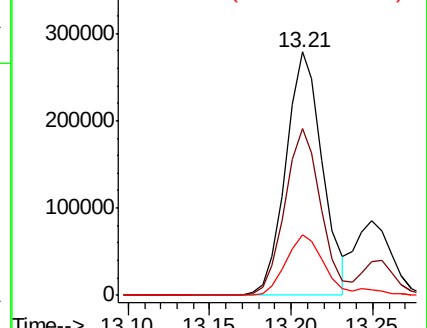
134 25.4 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.658 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW009074.D

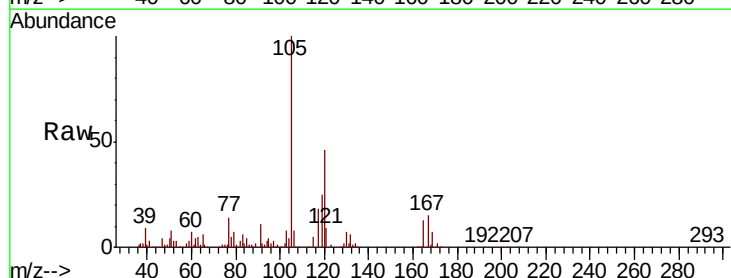
Acq: 08 Mar 2019 23:59

Tgt Ion:105 Resp: 536859

Ion Ratio Lower Upper

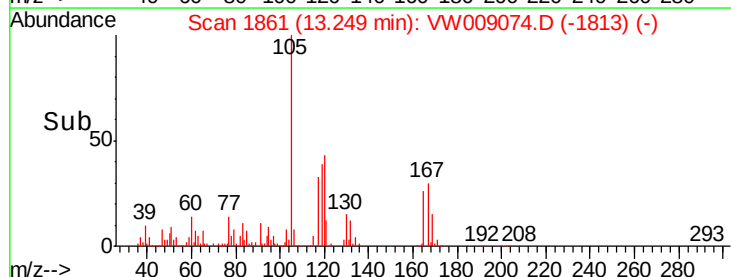
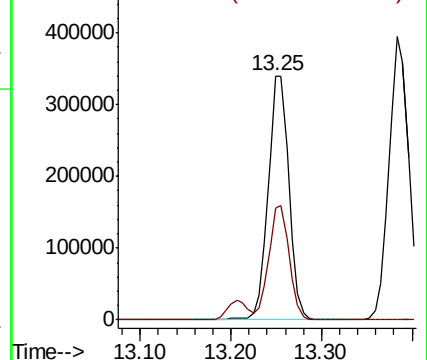
105 100

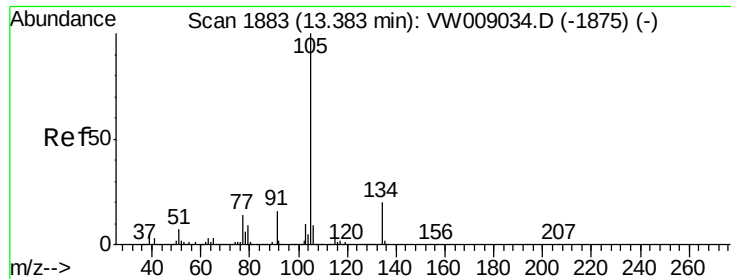
120 46.1 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 41.927 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

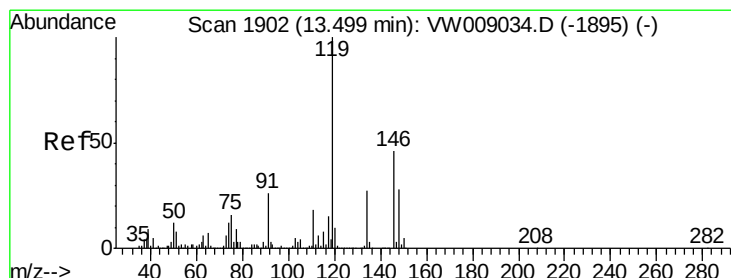
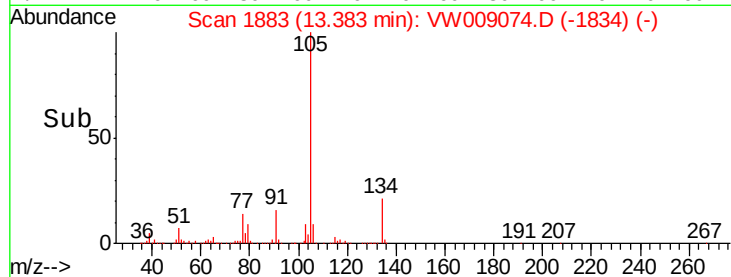
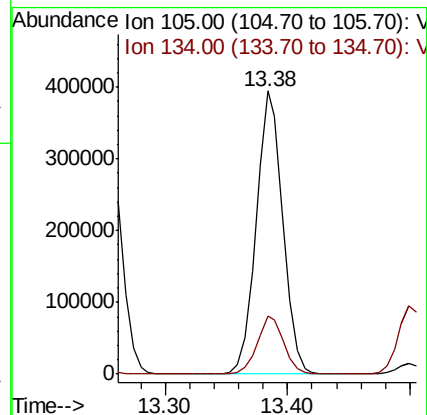
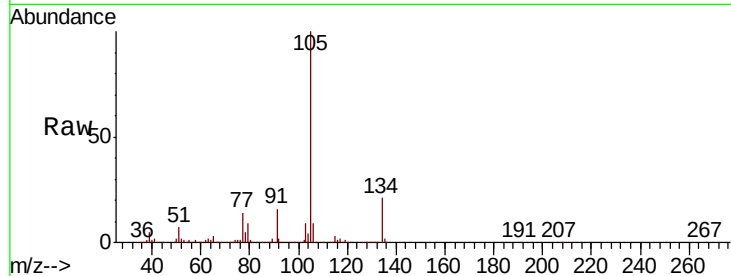
SD2-0.5-1.0MS

Tot Ion:105 Resp: 595910

Ion Ratio Lower Upper

105 100

134 20.4 10.0 30.0



#86

p-Isopropyltoluene

Concen: 42.007 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

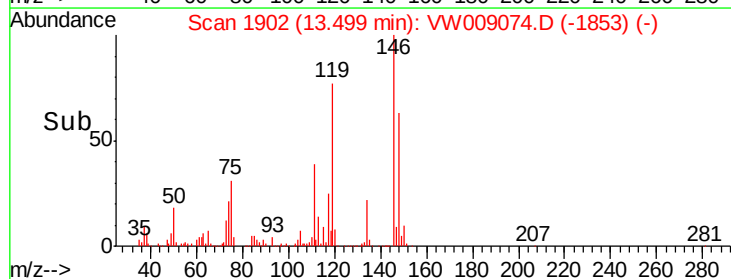
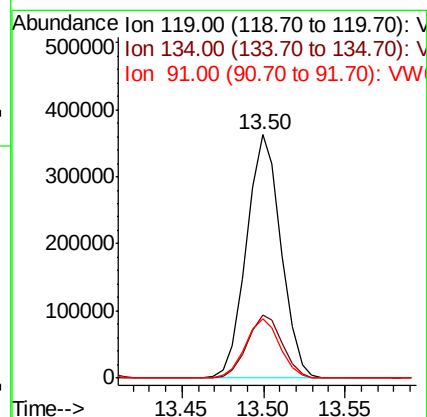
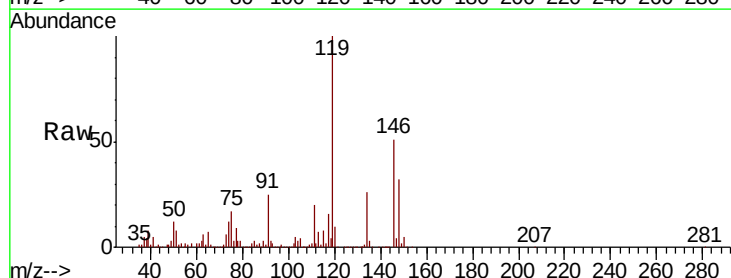
Tgt Ion:119 Resp: 534114

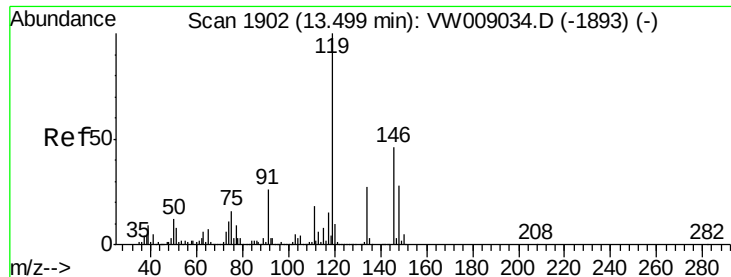
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

91 24.4 12.3 36.9

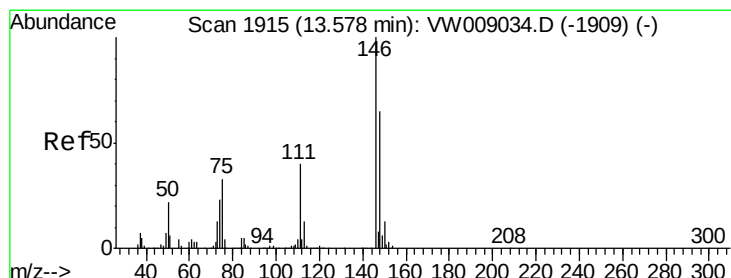
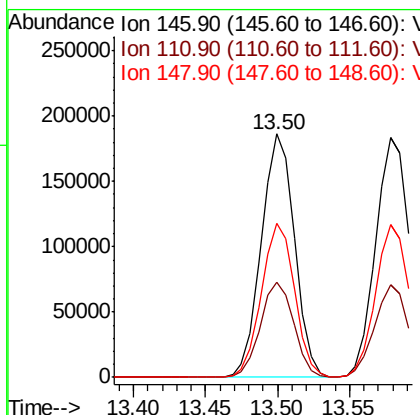
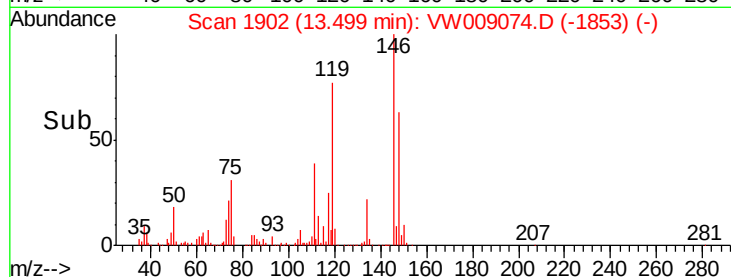
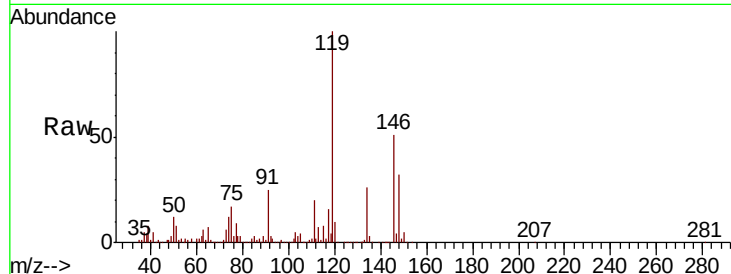




#87
 1,3-Dichlorobenzene
 Concen: 46.879 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

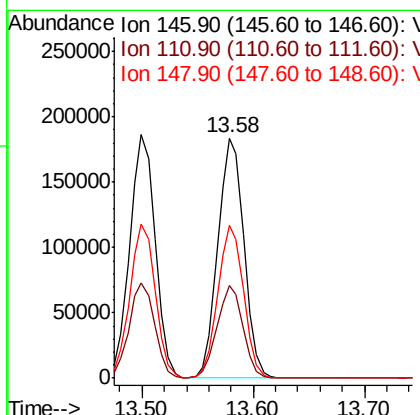
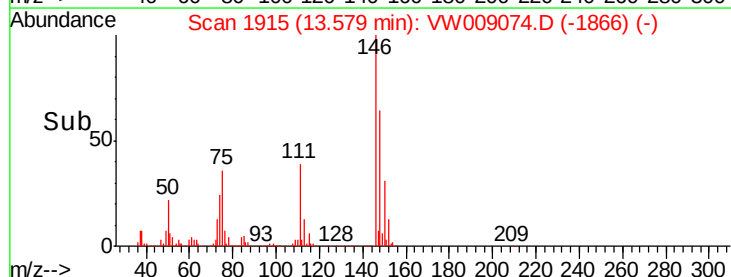
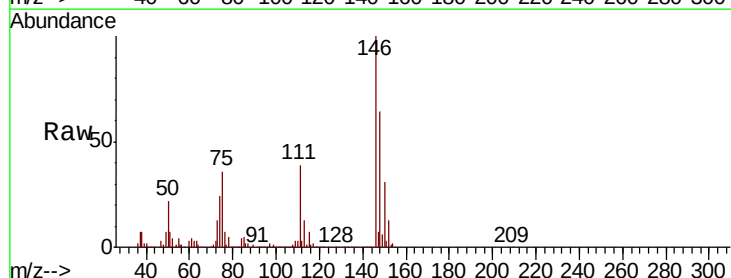
Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MS

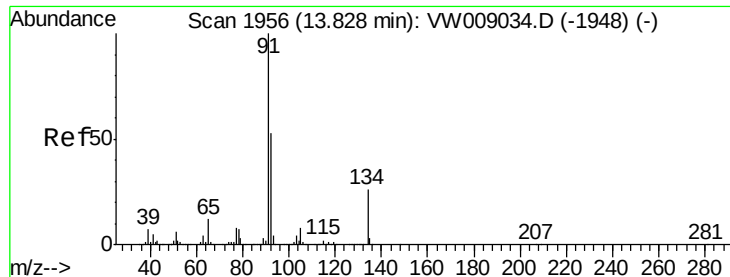
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.4
148	63.1	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 47.309 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.0
148	63.1	32.2	96.6





#89

n-Butylbenzene

Concen: 37.549 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

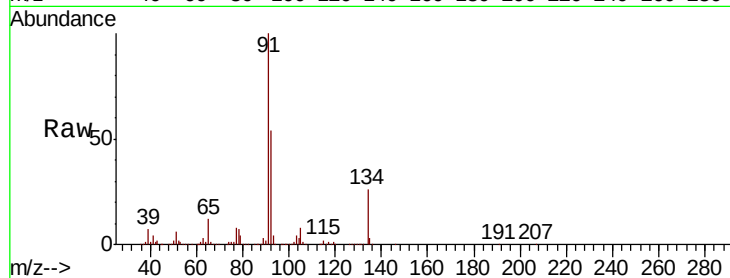
Tot Ion: 91 Resp: 453865

Ion Ratio Lower Upper

91 100

92 53.1 26.8 80.3

134 26.0 12.9 38.7

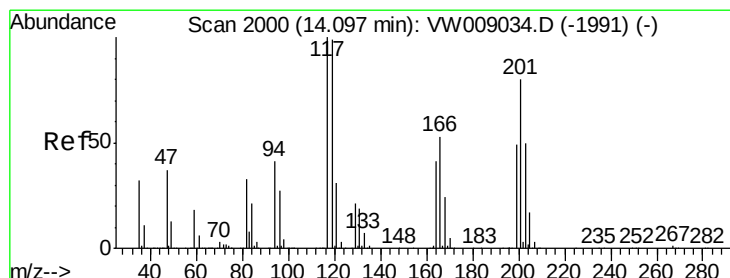
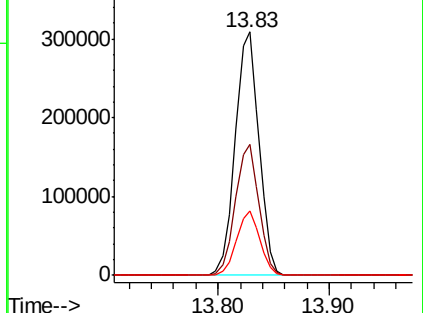
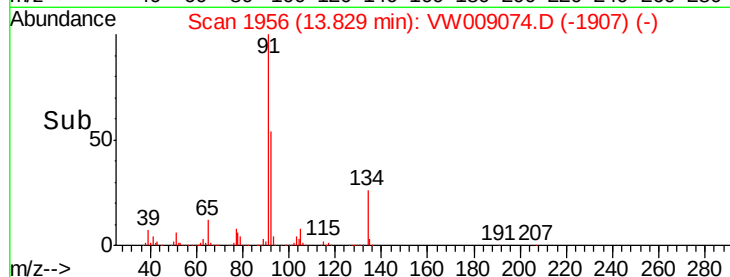


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 40.823 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009074.D

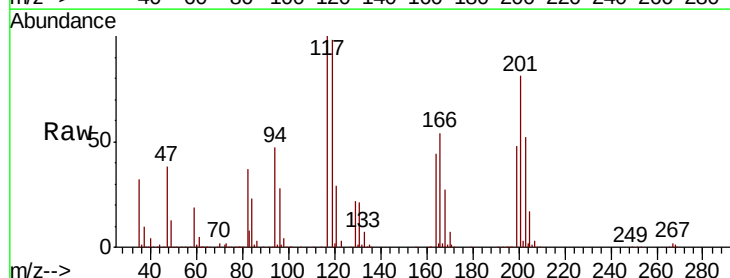
Acq: 08 Mar 2019 23:59

Tgt Ion: 117 Resp: 89521

Ion Ratio Lower Upper

117 100

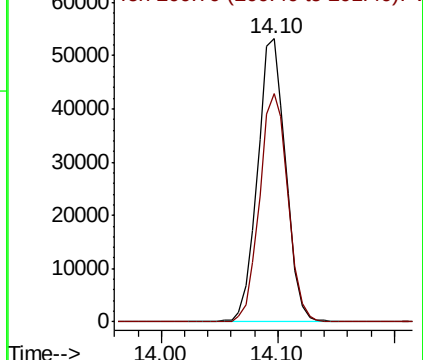
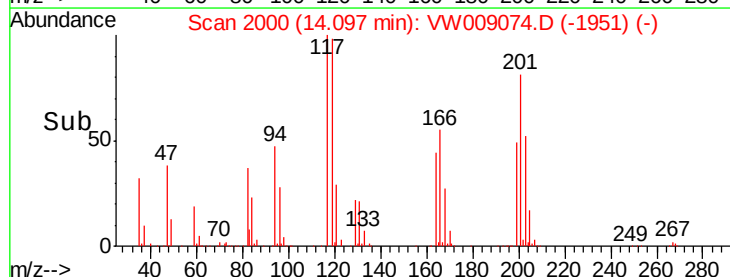
201 80.9 39.1 117.5

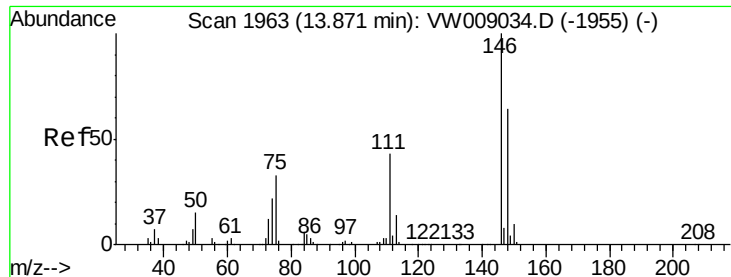


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

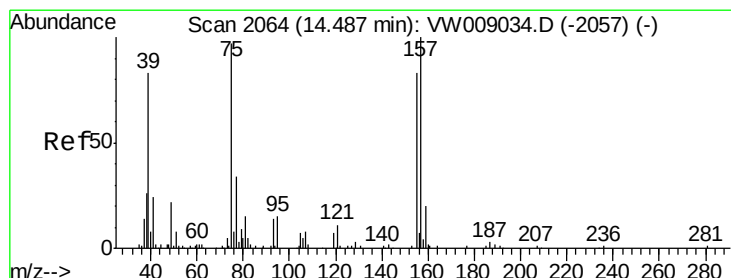
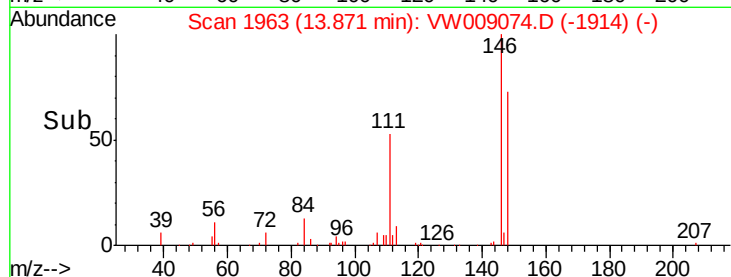
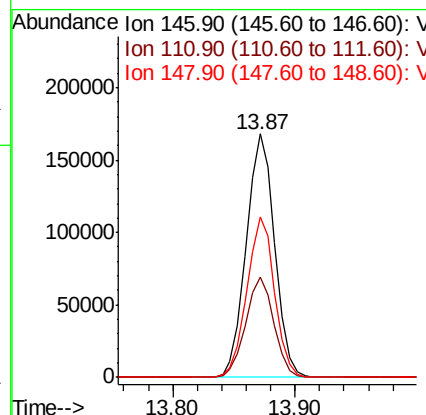
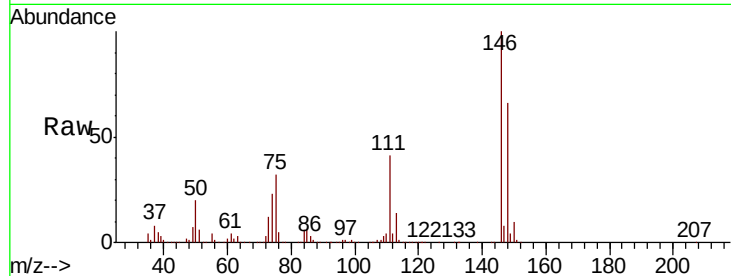




#91
 1,2-Dichlorobenzene
 Concen: 48.295 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

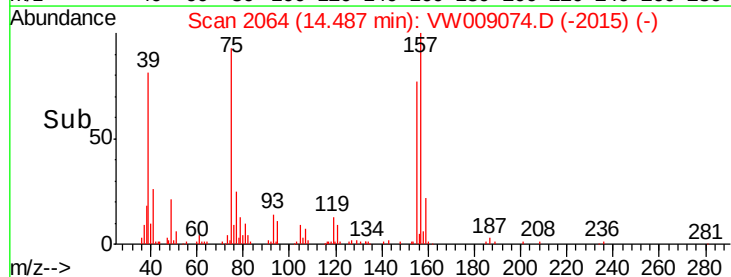
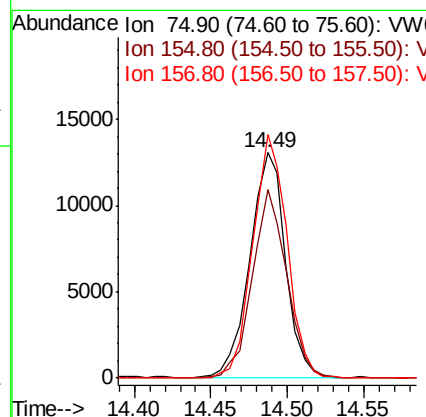
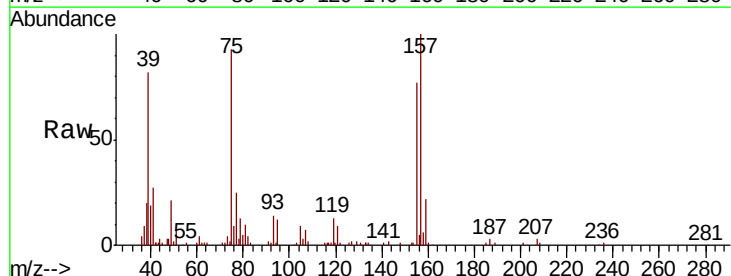
Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MS

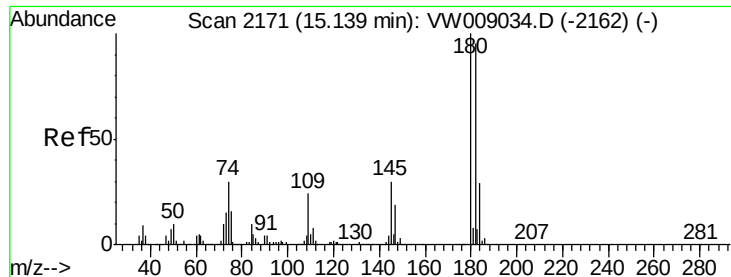
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.1	63.1
148	64.1	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.996 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.9	40.8	122.4
157	104.1	52.4	157.3

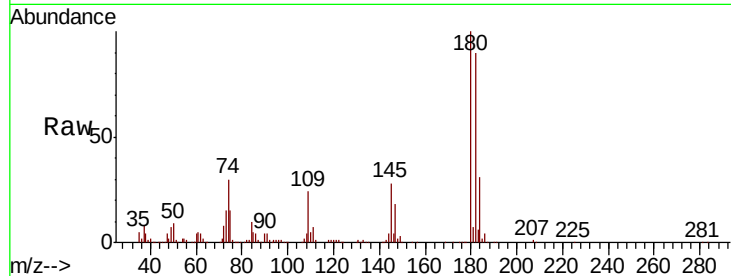




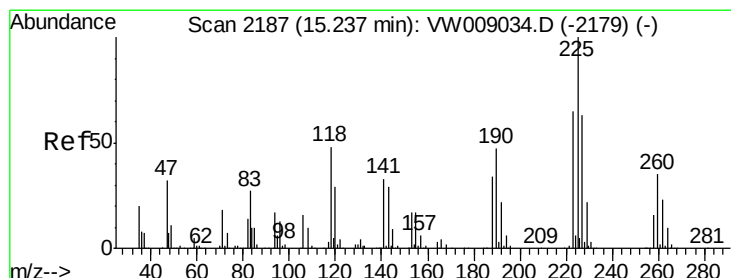
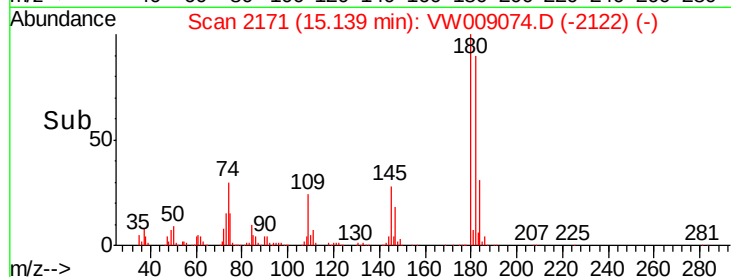
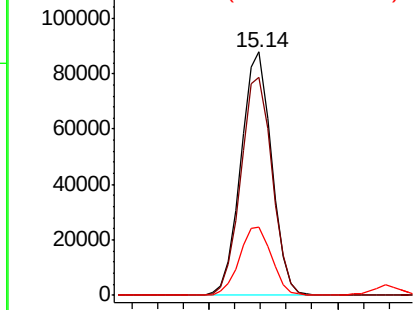
#93
 1,2,4-Trichlorobenzene
 Concen: 38.195 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MS

Tot Ion:180 Resp: 144204
 Ion Ratio Lower Upper
 180 100
 182 92.2 48.1 144.3
 145 29.5 15.4 46.1

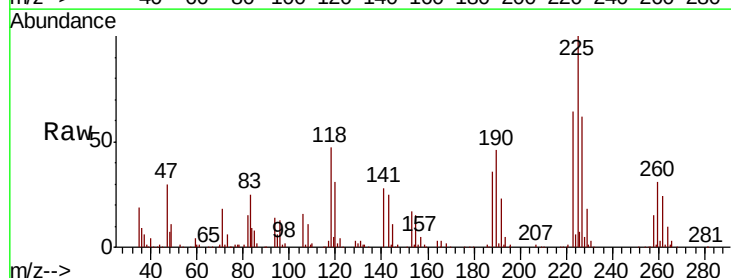


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

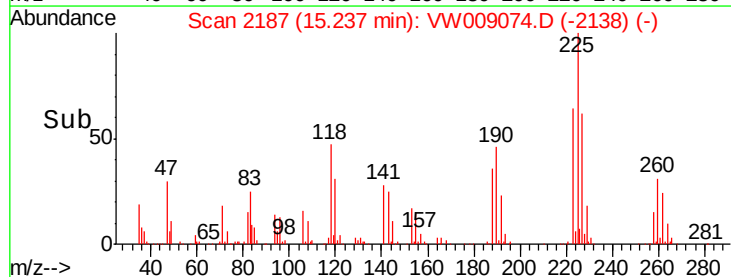
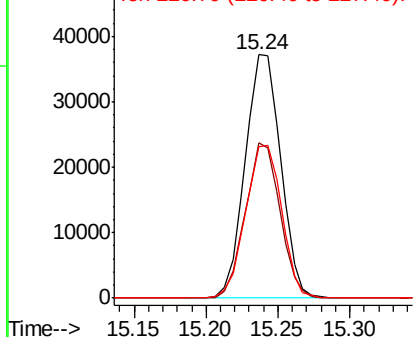


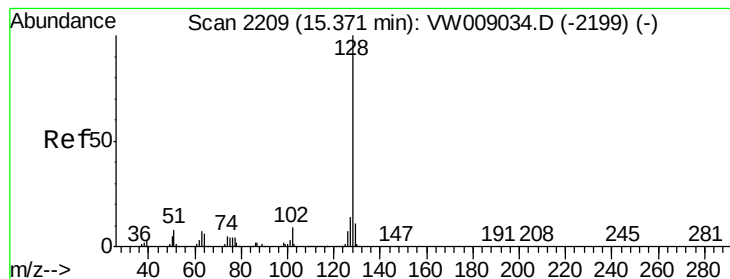
#94
 Hexachlorobutadiene
 Concen: 26.786 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Tgt Ion:225 Resp: 63345
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.6 94.8
 227 63.8 32.0 96.2



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





#95

Naphthalene

Concen: 46.480 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

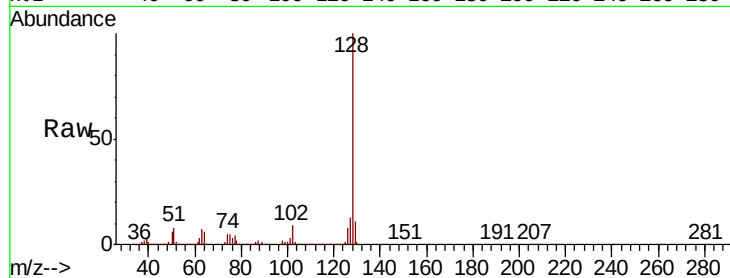
Tot Ion:128 Resp: 287258

Ion Ratio Lower Upper

128 100

127 13.1 11.0 16.6

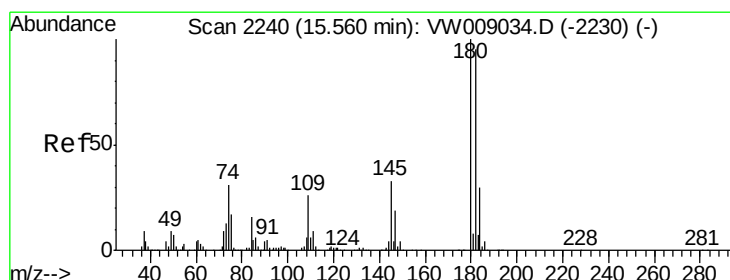
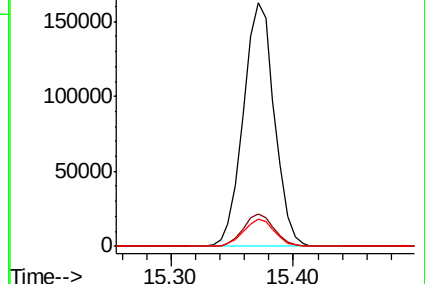
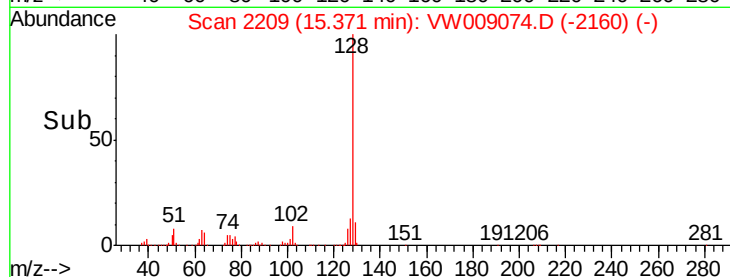
129 11.1 8.8 13.2



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: 38.405 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

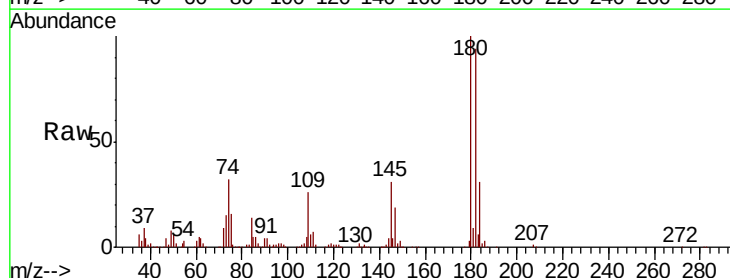
Tgt Ion:180 Resp: 127501

Ion Ratio Lower Upper

180 100

182 93.6 48.1 144.3

145 30.6 15.8 47.3



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

