

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
 Data File : VW009035.D
 Acq On : 07 Mar 2019 12:38
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 08 03:25:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	405802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	229204	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	297894	100.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.50%	
35) Dibromofluoromethane	7.88	113	262330	104.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.94%	
50) Toluene-d8	10.32	98	1049828	101.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.18%	
62) 4-Bromofluorobenzene	12.62	95	415593	101.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	259581	89.412	ug/l	98
3) Chloromethane	2.21	50	356177	97.494	ug/l	99
4) Vinyl Chloride	2.35	62	366427	97.694	ug/l	99
5) Bromomethane	2.76	94	310092	97.079	ug/l	98
6) Chloroethane	2.91	64	264555	98.655	ug/l	99
7) Trichlorofluoromethane	3.25	101	477516	99.662	ug/l	97
8) Diethyl Ether	3.68	74	153116	105.959	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	292237	98.069	ug/l	99
10) Methyl Iodide	4.27	142	349653	123.485	ug/l	100
11) Tert butyl alcohol	5.18	59	111251	538.531	ug/l	99
12) 1,1-Dichloroethene	4.04	96	266062	102.571	ug/l	95
13) Acrolein	3.90	56	123609	499.818	ug/l	99
14) Allyl chloride	4.67	41	472073	104.957	ug/l	99
15) Acrylonitrile	5.37	53	341268	523.675	ug/l	99
16) Acetone	4.13	43	337779	511.109	ug/l	99
17) Carbon Disulfide	4.37	76	898761	103.393	ug/l	99
18) Methyl Acetate	4.67	43	158207	104.153	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	715041	104.553	ug/l	99
20) Methylene Chloride	4.92	84	299986	79.740	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	301175	100.518	ug/l	97
22) Diisopropyl ether	6.31	45	947126	104.563	ug/l	99
23) Vinyl Acetate	6.26	43	3041184	538.642	ug/l	100
24) 1,1-Dichloroethane	6.21	63	538929	102.600	ug/l	99
25) 2-Butanone	7.17	43	475950	530.541	ug/l	99
26) 2,2-Dichloropropane	7.16	77	474919	98.954	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	328221	102.851	ug/l	98
28) Bromochloromethane	7.51	49	229809	105.710	ug/l	96
29) Tetrahydrofuran	7.53	42	307572	534.753	ug/l	99
30) Chloroform	7.67	83	557713	103.904	ug/l	97
31) Cyclohexane	7.95	56	494067	92.442	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	497759	100.700	ug/l	99
36) 1,1-Dichloropropene	8.08	75	418492	97.142	ug/l	99
37) Ethyl Acetate	7.25	43	208908	103.218	ug/l	99
38) Carbon Tetrachloride	8.07	117	443472	99.327	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	533048	103.308	ug/l	99
40) Benzene	8.32	78	1163133	101.541	ug/l	97
41) Methacrylonitrile	7.48	41	122015	114.397	ug/l	96
42) 1,2-Dichloroethane	8.40	62	382267	102.407	ug/l	100
43) Isopropyl Acetate	8.42	43	405798	107.186	ug/l	98
44) Trichloroethene	9.09	130	312696	97.095	ug/l	98
45) 1,2-Dichloropropane	9.37	63	284283	99.765	ug/l	98
46) Dibromomethane	9.46	93	163856	103.529	ug/l	100
47) Bromodichloromethane	9.64	83	406207	101.827	ug/l	98
48) Methyl methacrylate	9.43	41	192253	107.693	ug/l	92
49) 1,4-Dioxane	9.46	88	44160	1900.555	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1045132	541.625	ug/l	100
52) Toluene	10.39	92	805153	103.055	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	419938	105.859	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	472070	104.296	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	216787	101.080	ug/l	98
56) Ethyl methacrylate	10.65	69	299826	111.489	ug/l	98
57) 1,3-Dichloropropane	10.93	76	387135	101.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	743240	531.899	ug/l	99
59) 2-Hexanone	10.97	43	741622	544.390	ug/l	100
60) Dibromochloromethane	11.13	129	276912	105.089	ug/l	98
61) 1,2-Dibromoethane	11.23	107	213242	102.309	ug/l	99
64) Tetrachloroethene	10.86	164	288322	97.864	ug/l	96
65) Chlorobenzene	11.66	112	872249	99.774	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	303813	104.238	ug/l	99
67) Ethyl Benzene	11.73	91	1644348	104.686	ug/l	99
68) m/p-Xylenes	11.84	106	1298694	209.201	ug/l	99
69) o-Xylene	12.16	106	613982	106.090	ug/l	100
70) Styrene	12.18	104	1023717	108.658	ug/l	100
71) Bromoform	12.35	173	172681	109.260	ug/l #	98
73) Isopropylbenzene	12.46	105	1703070	104.563	ug/l	100
74) N-amyl acetate	12.27	43	434103	111.497	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	260473	100.539	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	375670	147.196	ug/l #	1
77) Bromobenzene	12.75	156	371661	99.793	ug/l	98
78) n-propylbenzene	12.80	91	2095596	104.807	ug/l	100
79) 2-Chlorotoluene	12.90	91	1160373	103.278	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1468560	104.617	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	87150	108.475	ug/l	98
82) 4-Chlorotoluene	12.99	91	1244749	103.978	ug/l	100
83) tert-Butylbenzene	13.21	119	1247291	105.780	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1501422	105.950	ug/l	99
85) sec-Butylbenzene	13.38	105	1836709	105.125	ug/l	100
86) p-Isopropyltoluene	13.50	119	1663321	106.210	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	792136	101.435	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	762261	98.808	ug/l	100
89) n-Butylbenzene	13.83	91	1573281	105.377	ug/l	100
90) Hexachloroethane	14.10	117	277001	102.682	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	686047	100.291	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	45909	95.455	ug/l	99

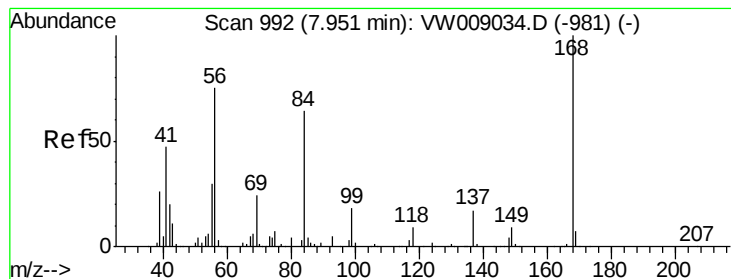
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	463251	99.033	ug/l	99
94) Hexachlorobutadiene	15.24	225	274348	93.832	ug/l	99
95) Naphthalene	15.37	128	818713	105.643	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	393973	95.916	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

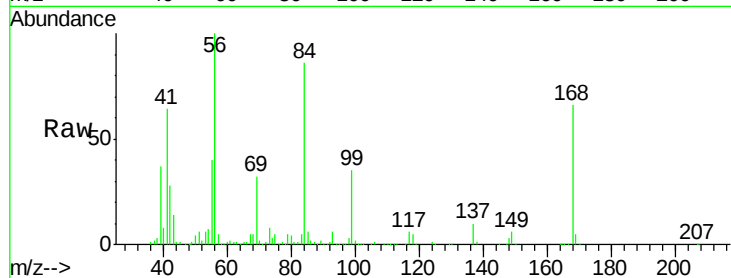
VSTDIC100

Tgt Ion: 168 Resp: 288484

Ion Ratio Lower Upper

168 100

99 52.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

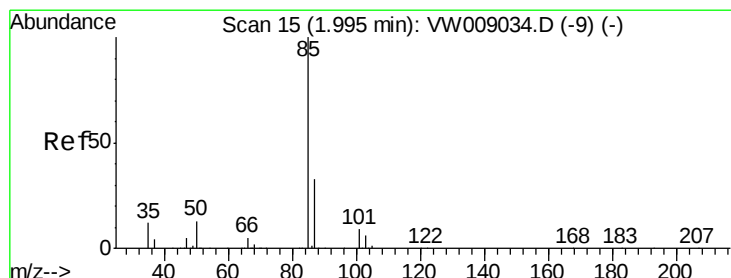
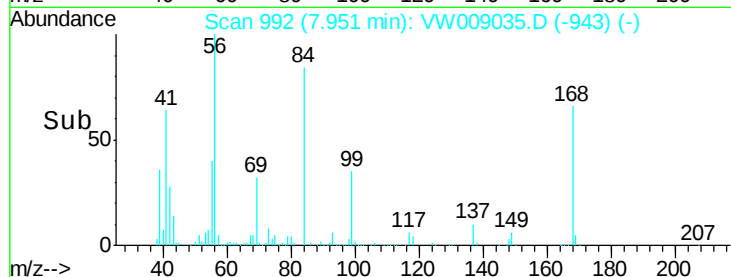
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 89.412 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW009035.D

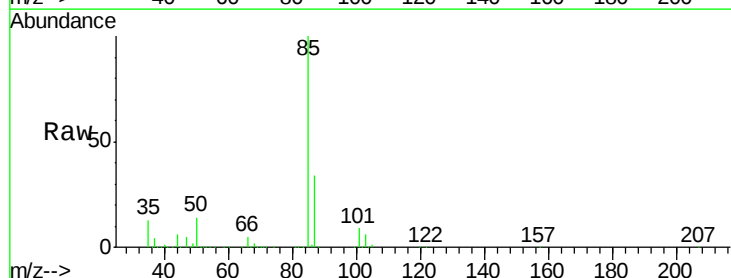
Acq: 07 Mar 2019 12:38

Tgt Ion: 85 Resp: 259581

Ion Ratio Lower Upper

85 100

87 33.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

200000

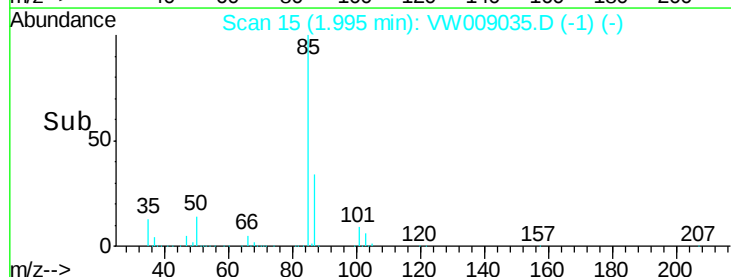
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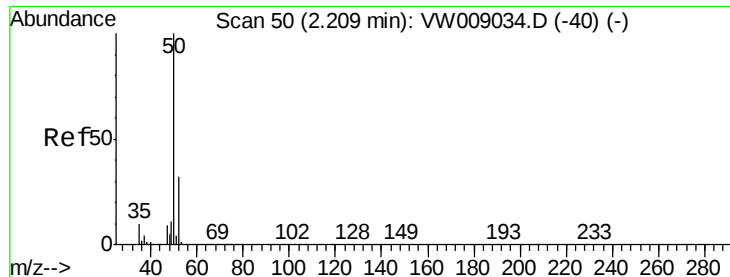
100000

50000

0

Time-->





#3

Chloromethane

Concen: 97.494 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

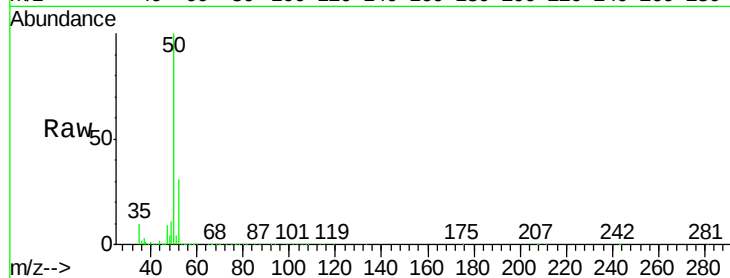
VSTDIC100

Tgt Ion: 50 Resp: 356177

Ion Ratio Lower Upper

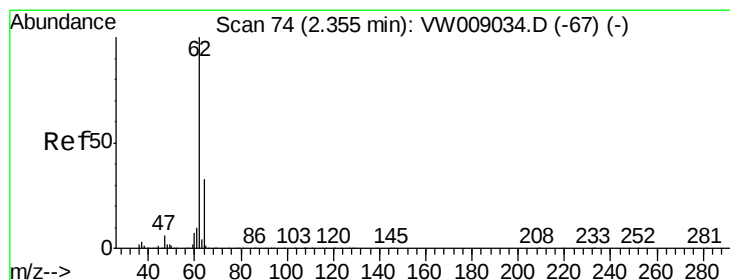
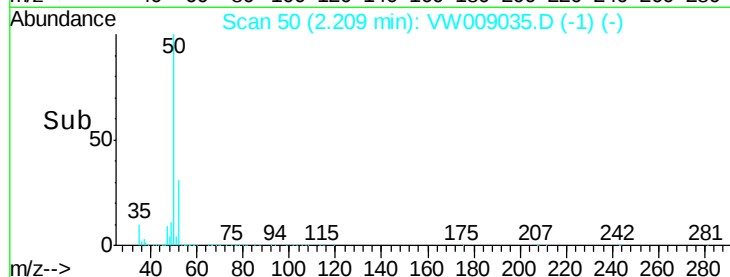
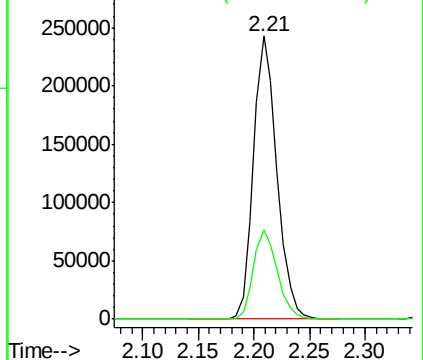
50 100

52 31.1 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 97.694 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009035.D

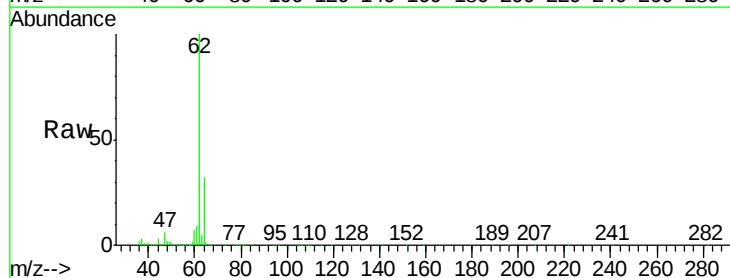
Acq: 07 Mar 2019 12:38

Tgt Ion: 62 Resp: 366427

Ion Ratio Lower Upper

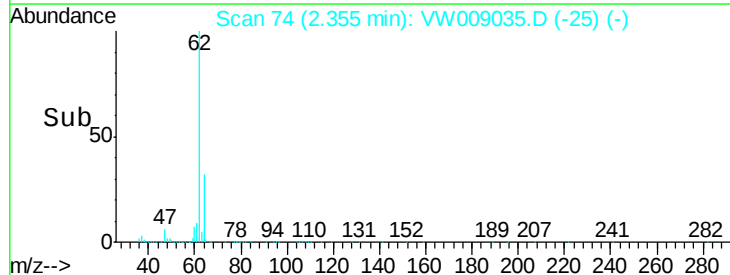
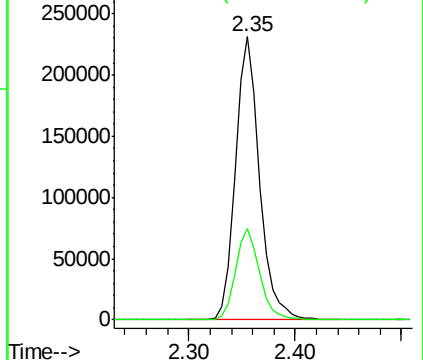
62 100

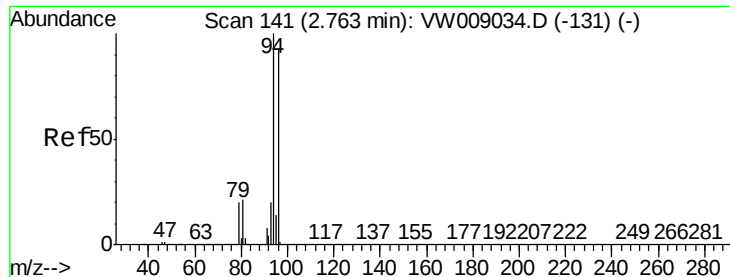
64 32.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 97.079 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

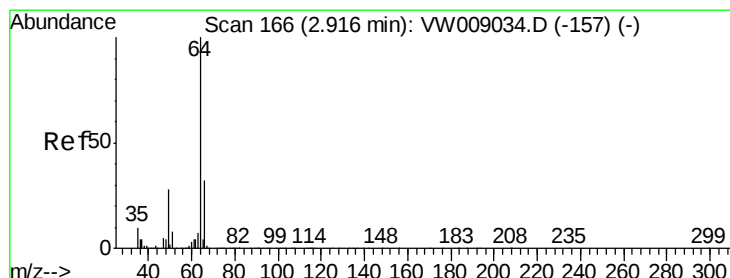
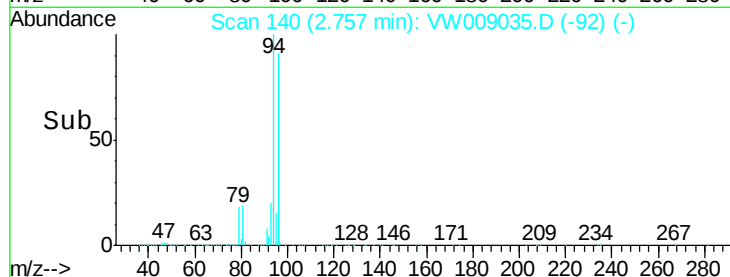
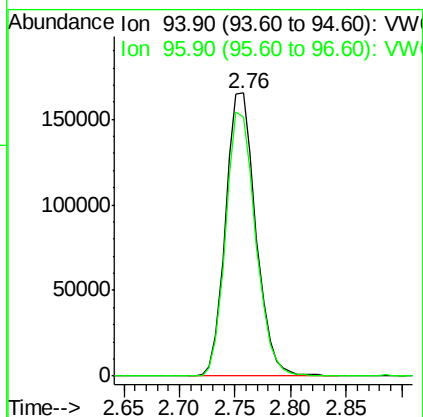
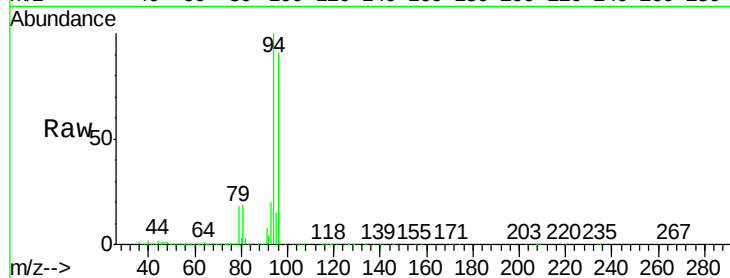
VSTDIC100

Tgt Ion: 94 Resp: 310092

Ion Ratio Lower Upper

94 100

96 91.4 74.4 111.6



#6

Chloroethane

Concen: 98.655 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009035.D

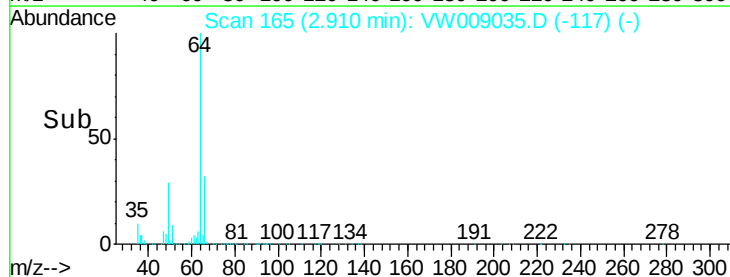
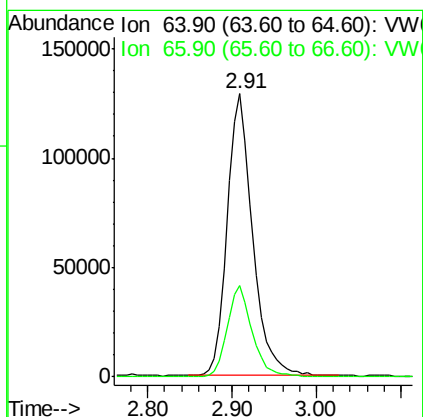
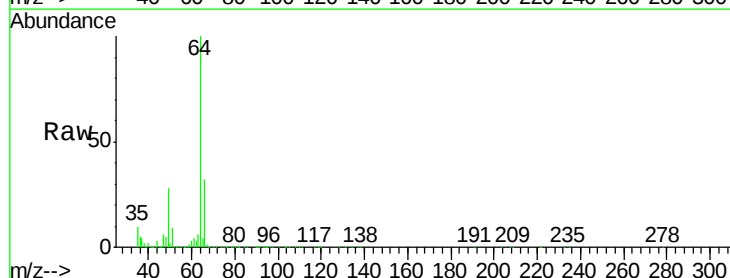
Acq: 07 Mar 2019 12:38

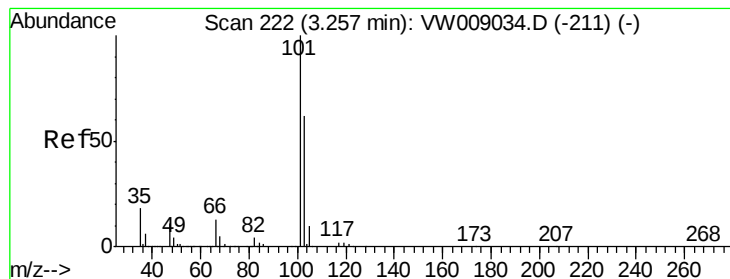
Tgt Ion: 64 Resp: 264555

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3



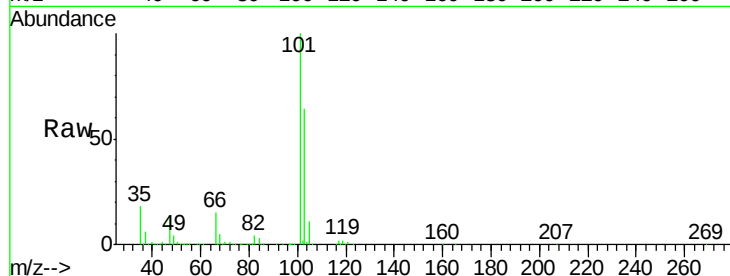


#7

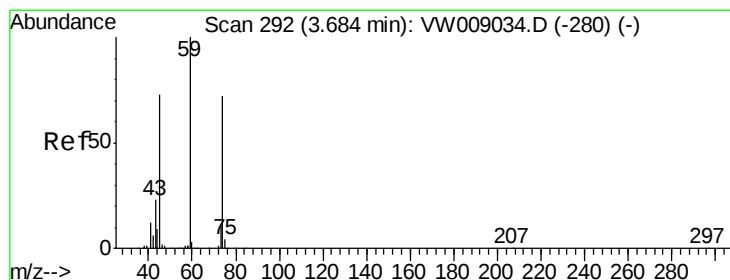
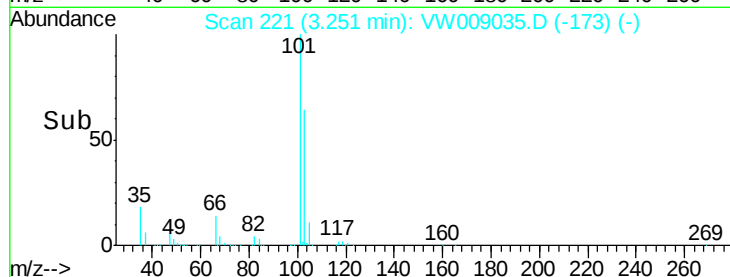
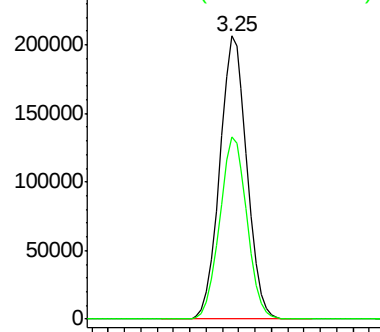
Trichlorofluoromethane
 Concen: 99.662 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion: 101 Resp: 477516
 Ion Ratio Lower Upper
 101 100
 103 64.4 49.9 74.9



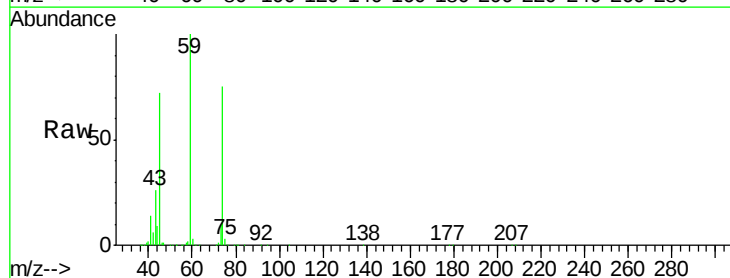
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



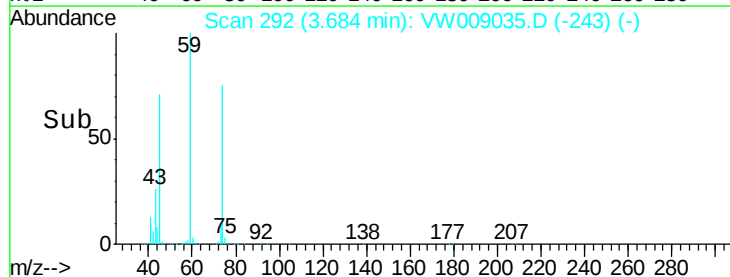
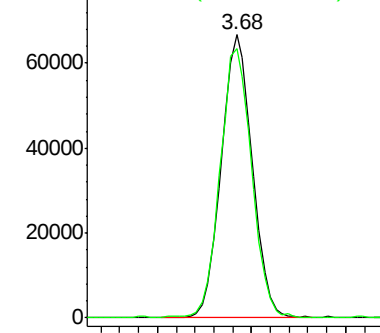
#8

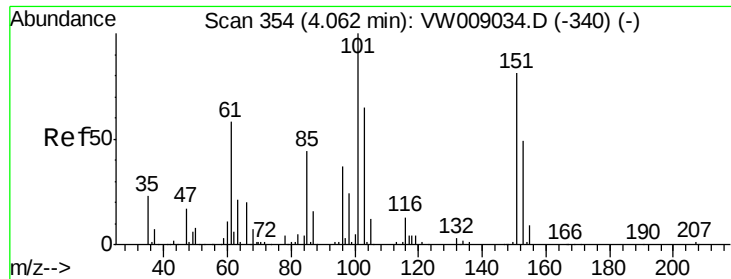
Diethyl Ether
 Concen: 105.959 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion: 74 Resp: 153116
 Ion Ratio Lower Upper
 74 100
 45 96.4 52.3 157.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.069 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

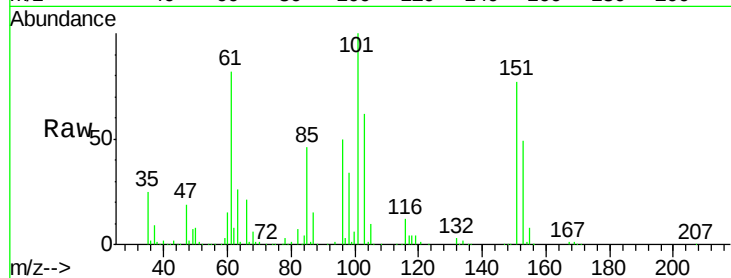
Tgt Ion:101 Resp: 292237

Ion Ratio Lower Upper

101 100

85 46.1 36.2 54.4

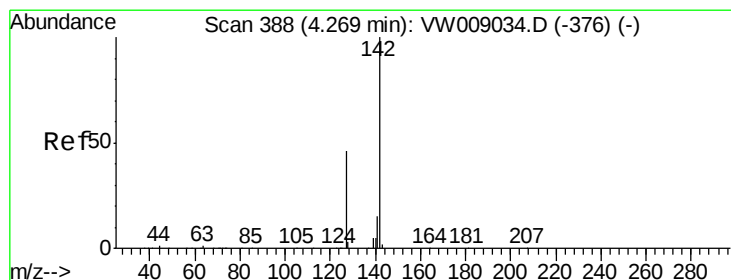
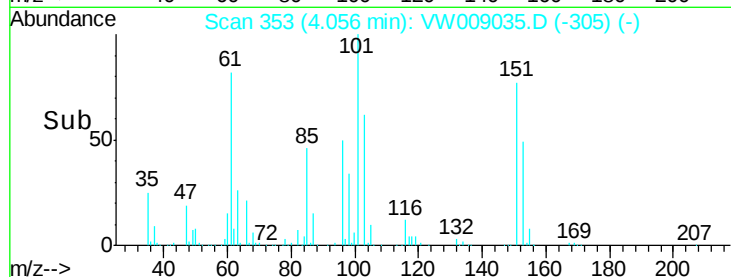
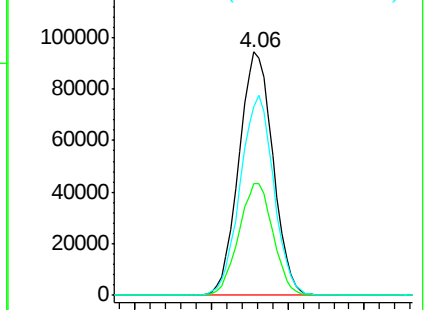
151 80.7 63.4 95.2



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: 123.485 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

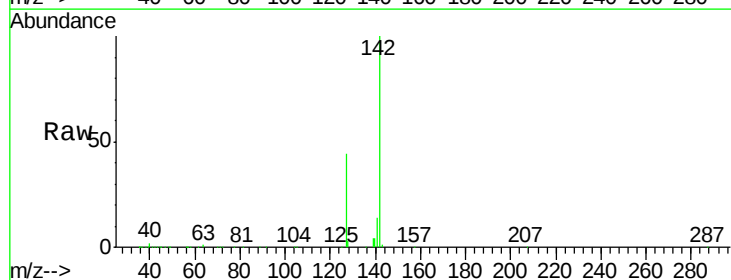
Tgt Ion:142 Resp: 349653

Ion Ratio Lower Upper

142 100

127 44.7 35.8 53.6

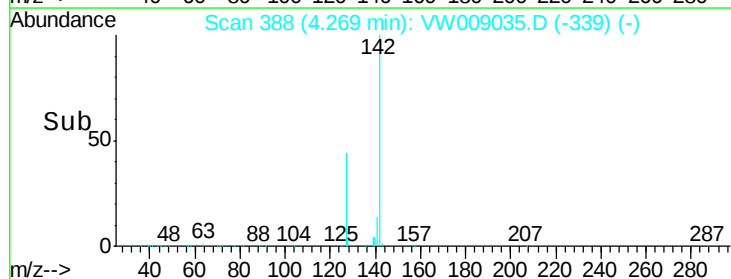
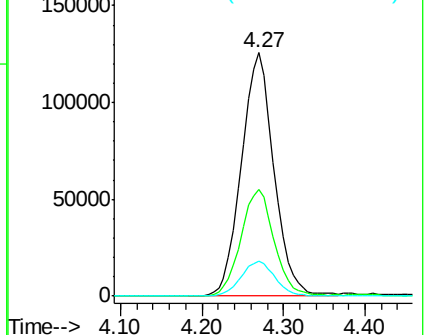
141 14.9 11.8 17.8

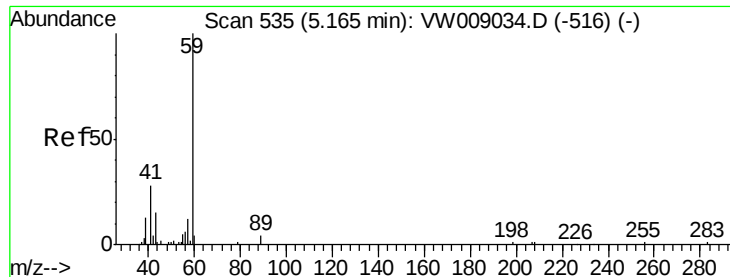


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

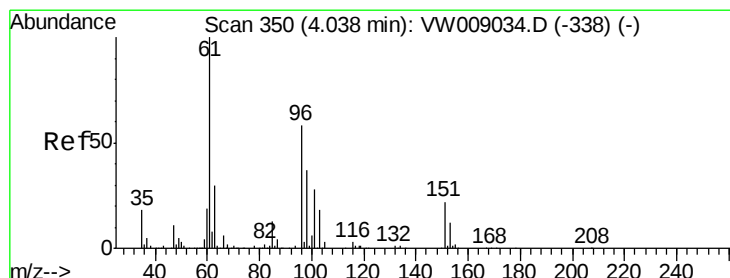
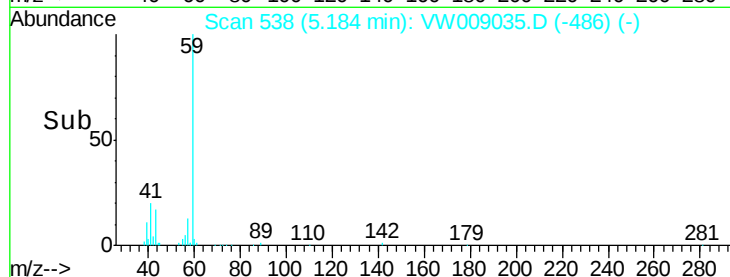
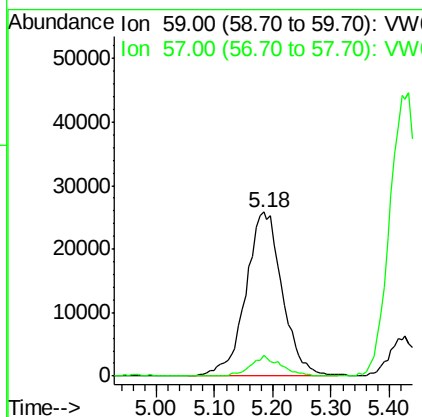
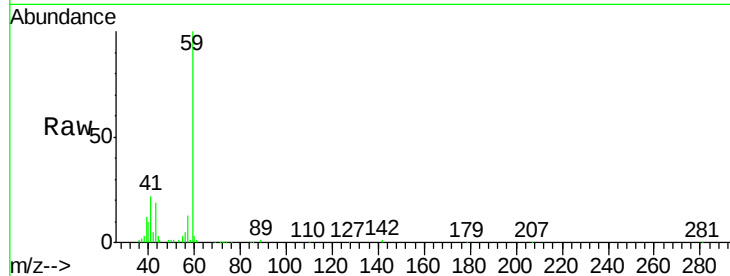




#11
Tert butyl alcohol
Concen: 538.531 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

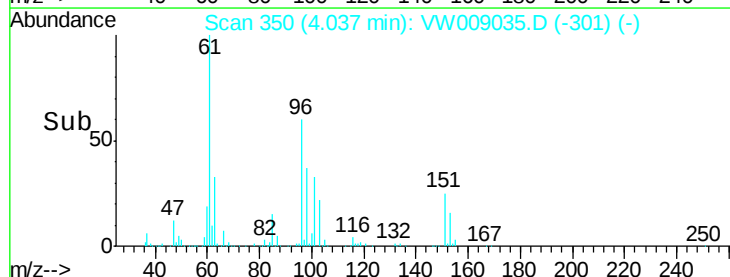
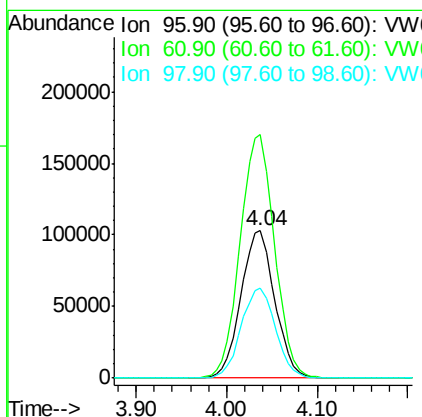
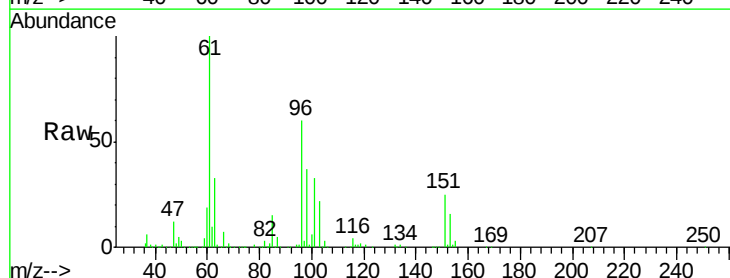
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

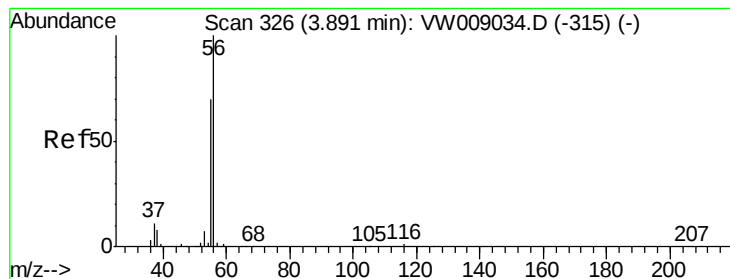
Tgt Ion: 59 Resp: 111251
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8



#12
1,1-Dichloroethene
Concen: 102.571 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion: 96 Resp: 266062
Ion Ratio Lower Upper
96 100
61 165.6 138.2 207.2
98 61.4 51.3 76.9





#13

Acrolein

Concen: 499.818 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

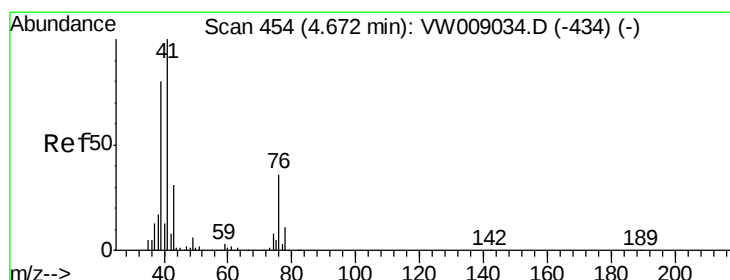
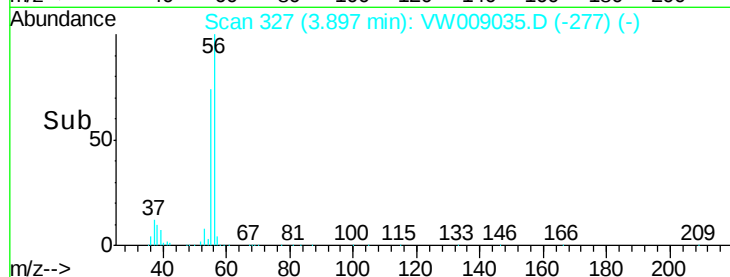
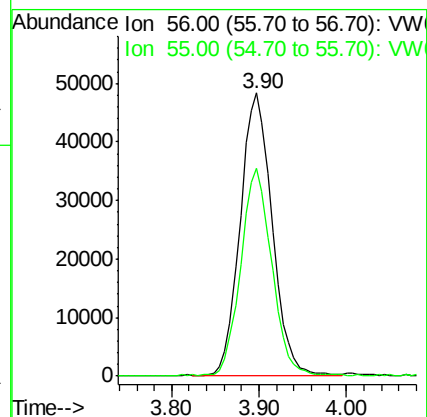
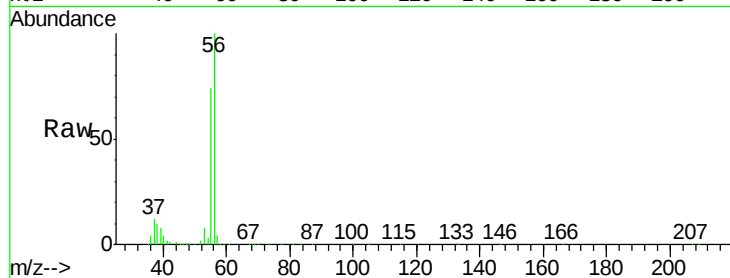
VSTDIC100

Tgt Ion: 56 Resp: 123609

Ion Ratio Lower Upper

56 100

55 71.2 56.6 84.8



#14

Allyl chloride

Concen: 104.957 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

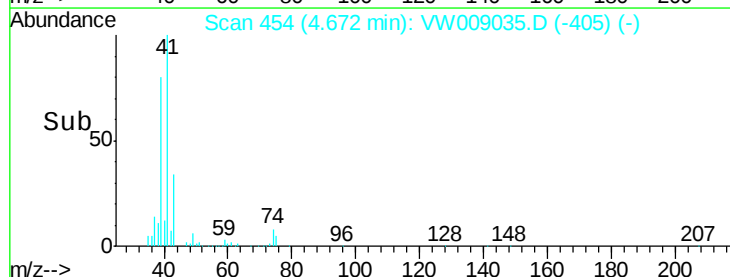
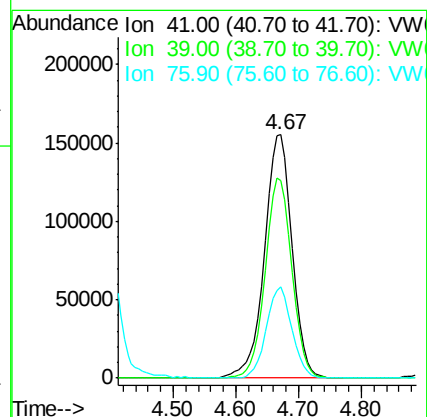
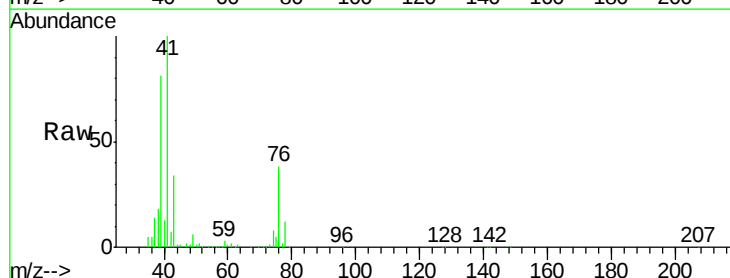
Tgt Ion: 41 Resp: 472073

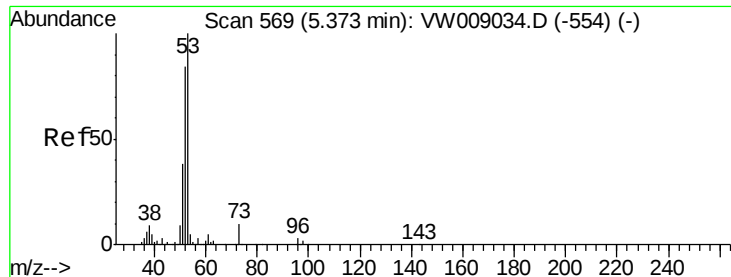
Ion Ratio Lower Upper

41 100

39 79.6 63.0 94.4

76 34.7 28.2 42.2





#15

Acrylonitrile

Concen: 523.675 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

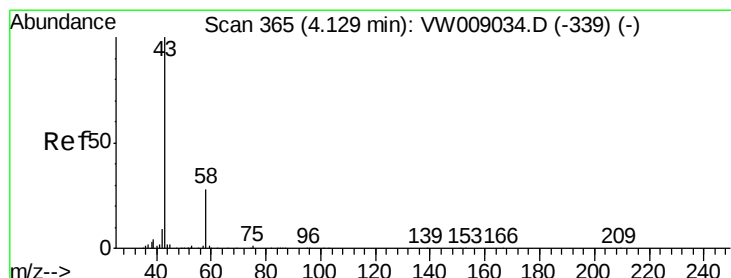
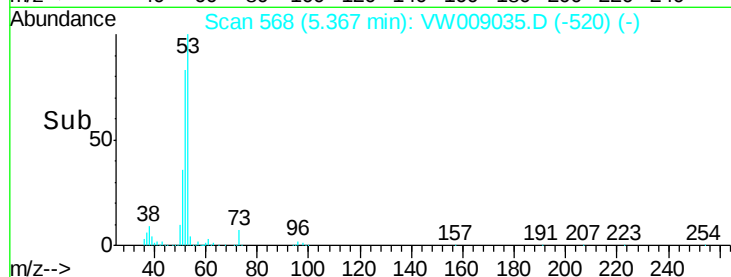
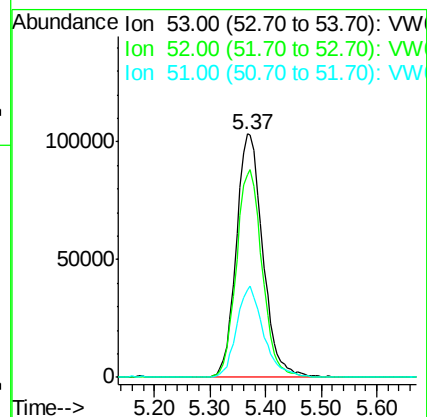
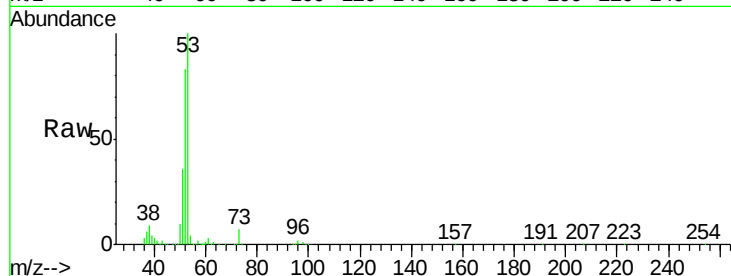
Tgt Ion: 53 Resp: 341268

Ion Ratio Lower Upper

53 100

52 83.1 67.2 100.8

51 38.2 31.8 47.6



#16

Acetone

Concen: 511.109 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW009035.D

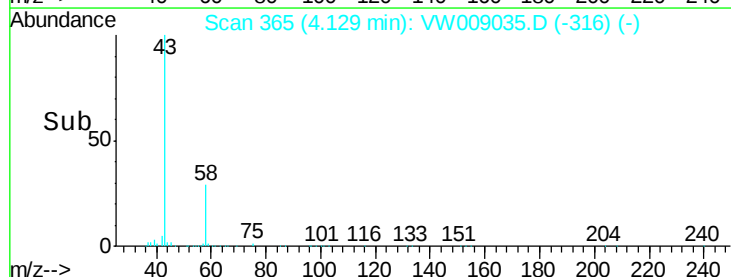
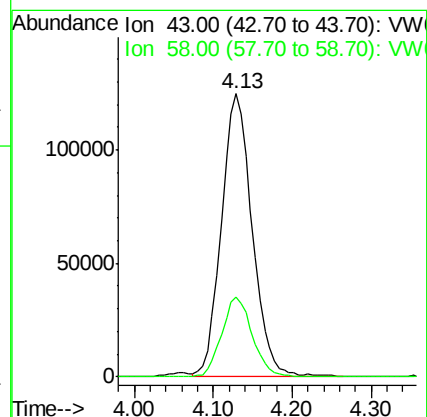
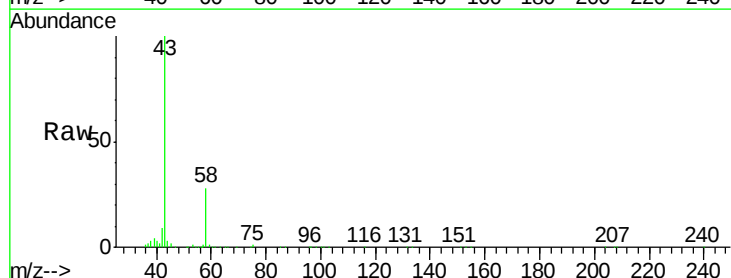
Acq: 07 Mar 2019 12:38

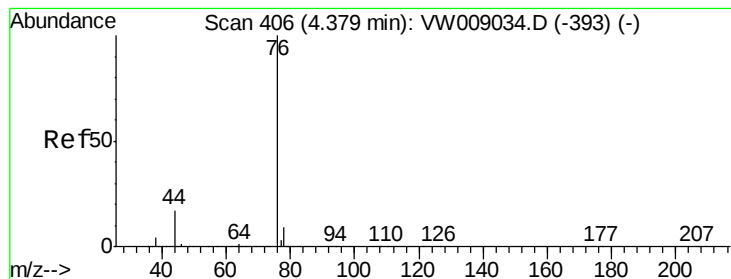
Tgt Ion: 43 Resp: 337779

Ion Ratio Lower Upper

43 100

58 28.4 22.5 33.7





#17

Carbon Disulfide

Concen: 103.393 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

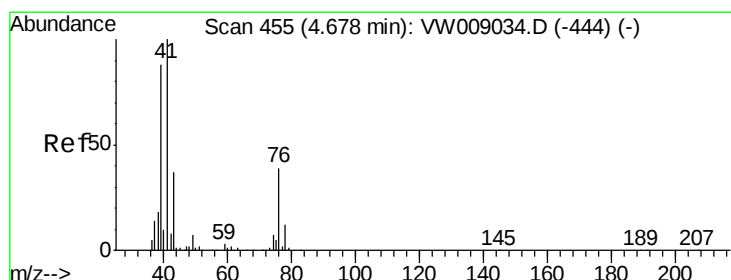
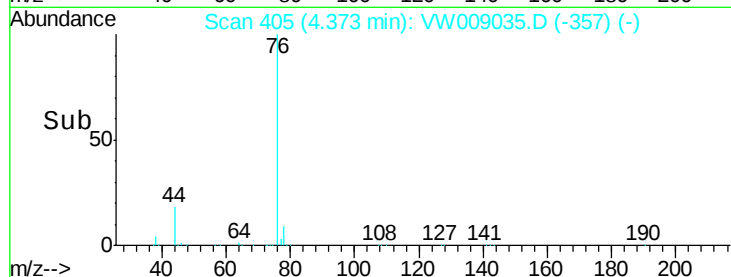
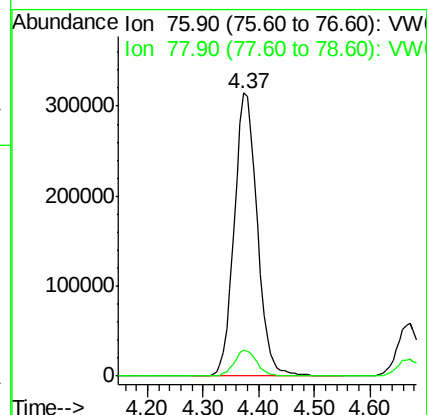
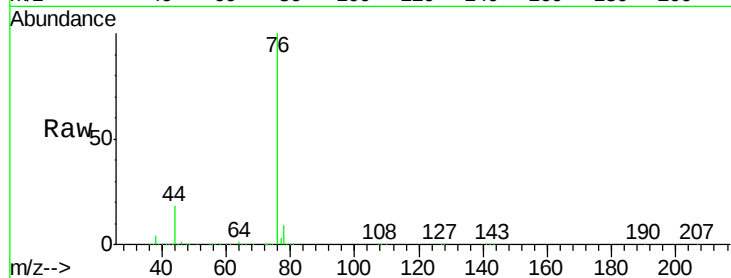
VSTDIC100

Tgt Ion: 76 Resp: 898761

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



#18

Methyl Acetate

Concen: 104.153 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW009035.D

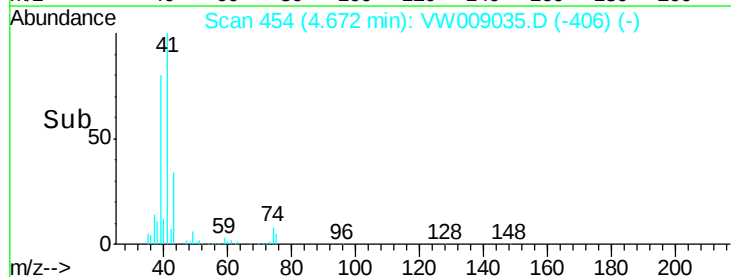
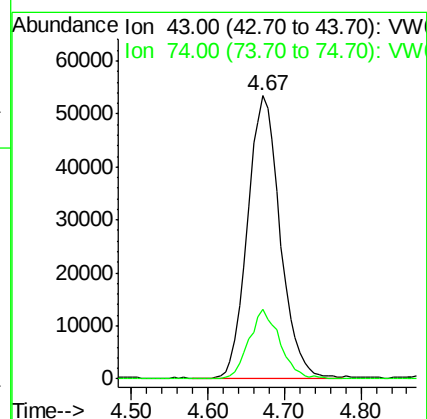
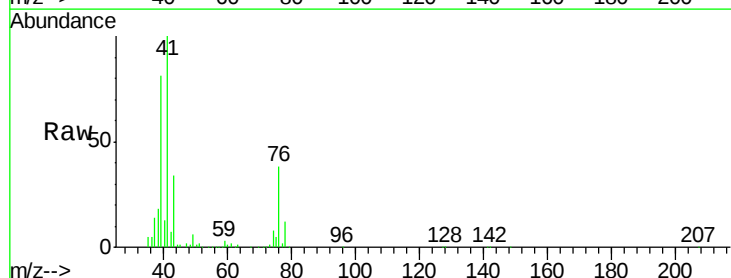
Acq: 07 Mar 2019 12:38

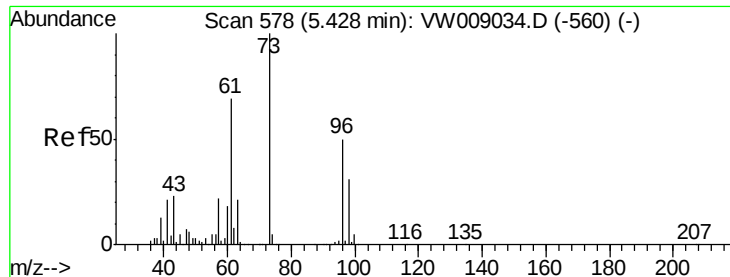
Tgt Ion: 43 Resp: 158207

Ion Ratio Lower Upper

43 100

74 23.0 17.6 26.4

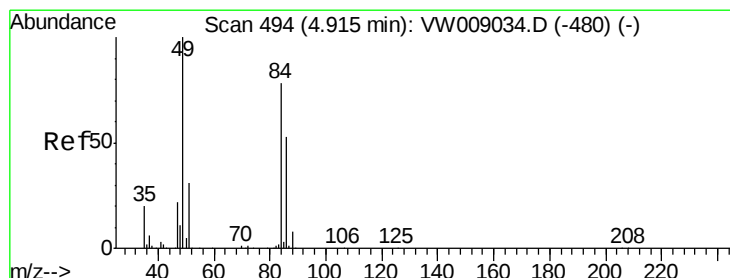
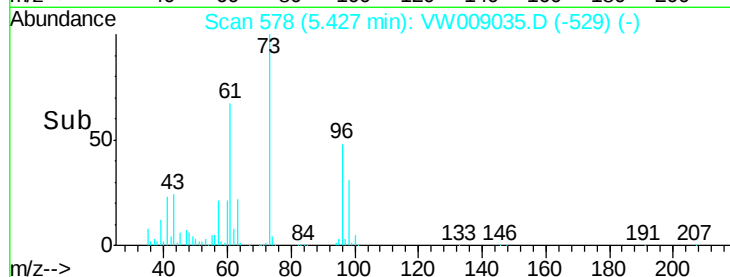
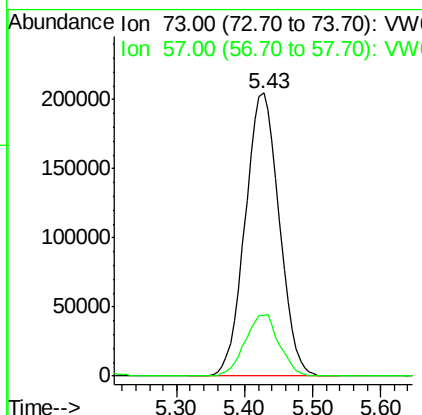
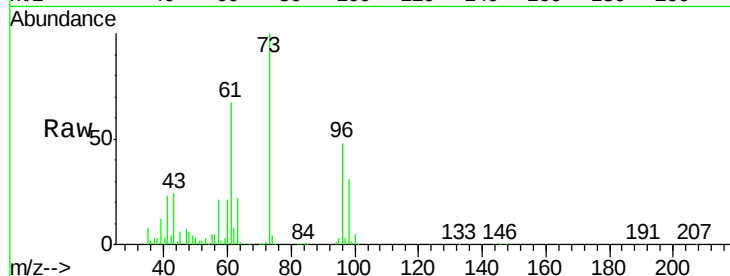




#19
Methyl tert-butyl Ether
Concen: 104.553 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

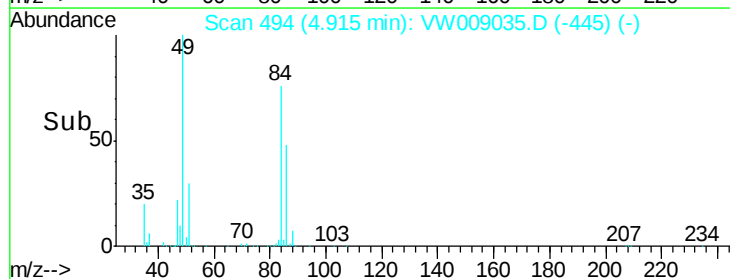
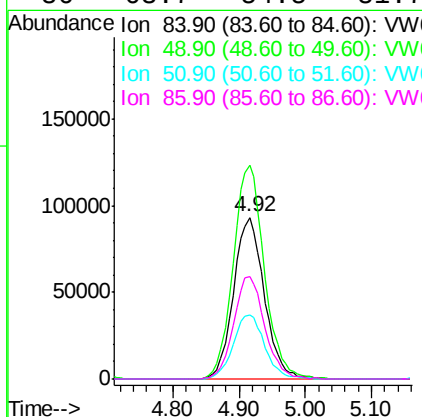
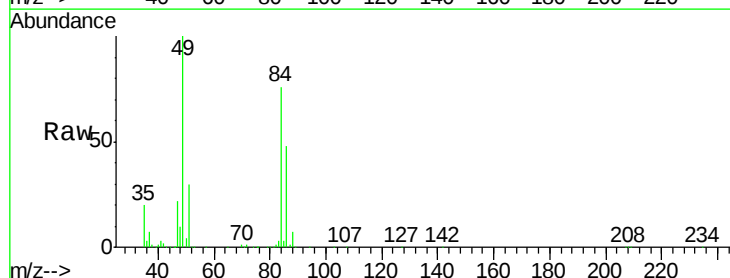
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

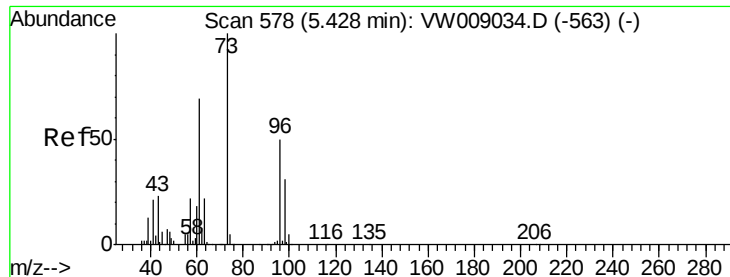
Tgt Ion: 73 Resp: 715041
Ion Ratio Lower Upper
73 100
57 21.3 17.3 25.9



#20
Methylene Chloride
Concen: 79.740 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion: 84 Resp: 299986
Ion Ratio Lower Upper
84 100
49 131.8 102.4 153.6
51 39.2 31.6 47.4
86 63.7 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 100.518 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

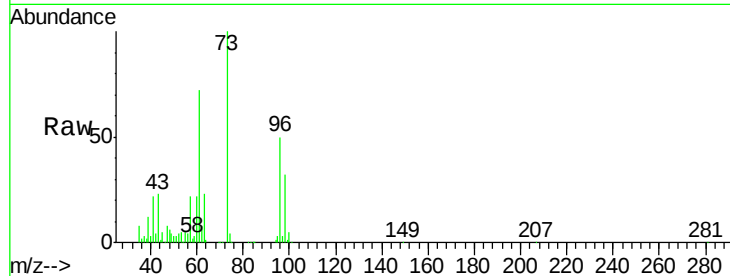
Tgt Ion: 96 Resp: 301175

Ion Ratio Lower Upper

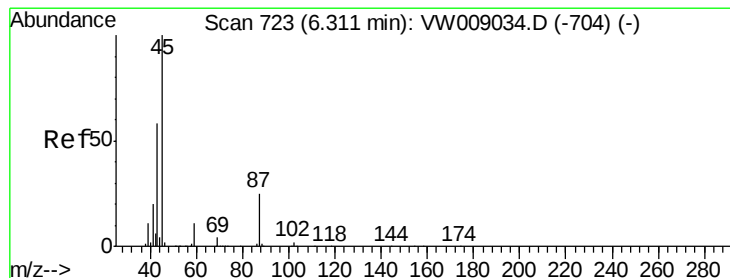
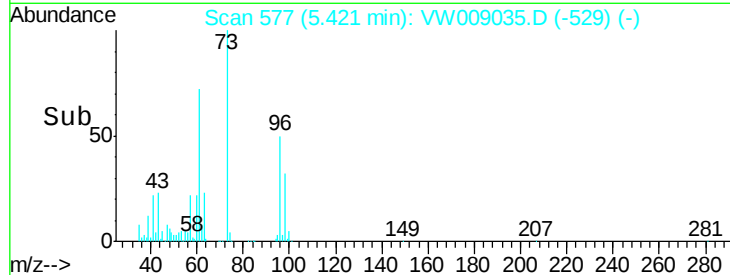
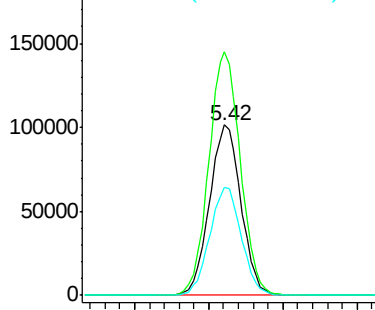
96 100

61 143.1 111.0 166.6

98 63.2 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: 104.563 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Tgt Ion: 45 Resp: 947126

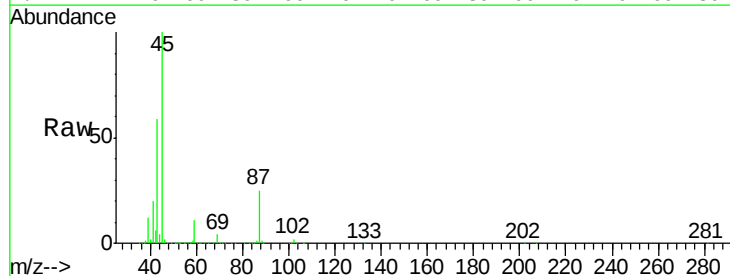
Ion Ratio Lower Upper

45 100

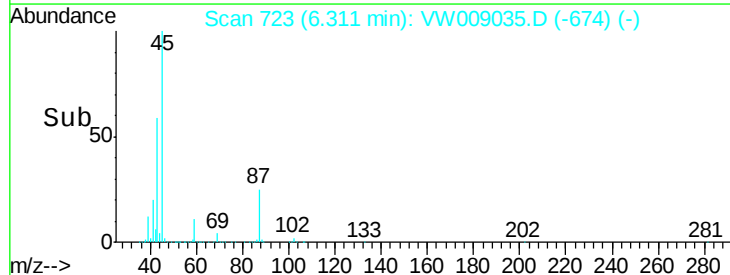
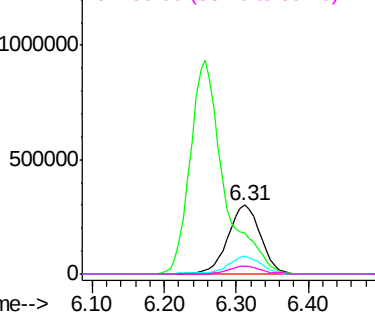
43 58.8 46.2 69.4

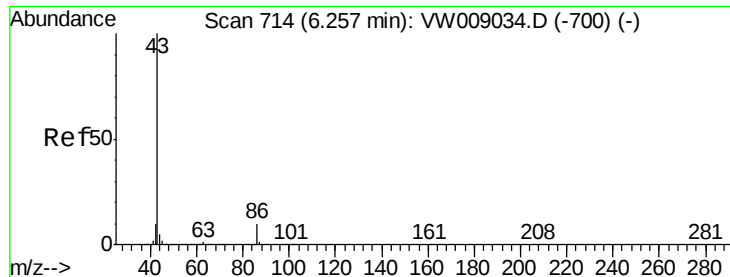
87 25.4 20.1 30.1

59 10.8 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: 538.642 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

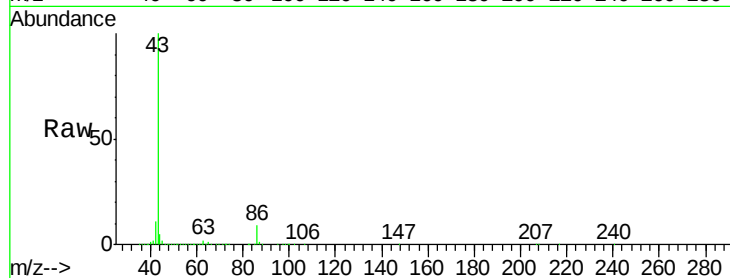
VSTDIC100

Tgt Ion: 43 Resp: 3041184

Ion Ratio Lower Upper

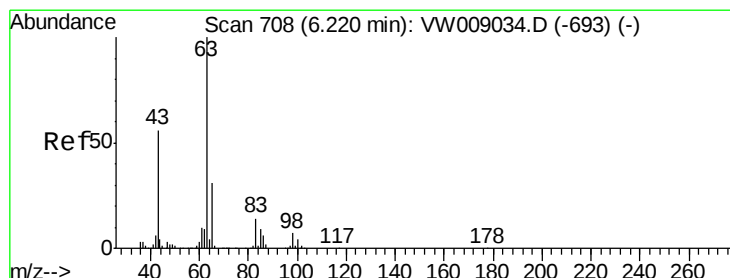
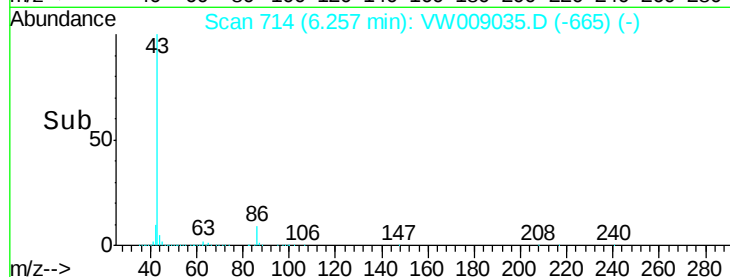
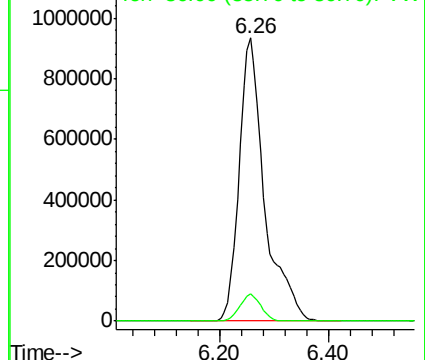
43 100

86 9.5 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 102.600 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

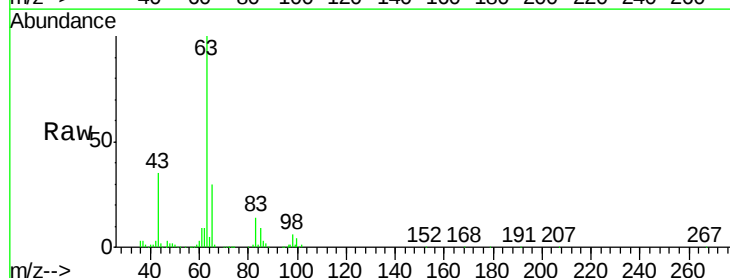
Tgt Ion: 63 Resp: 538929

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

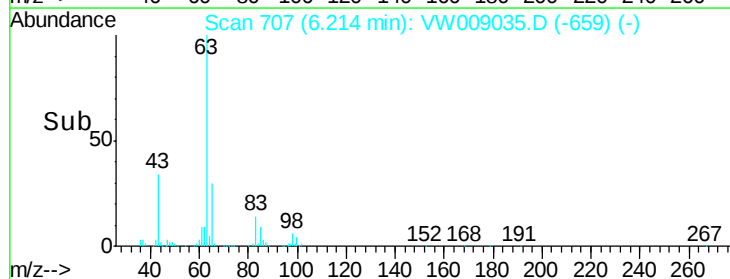
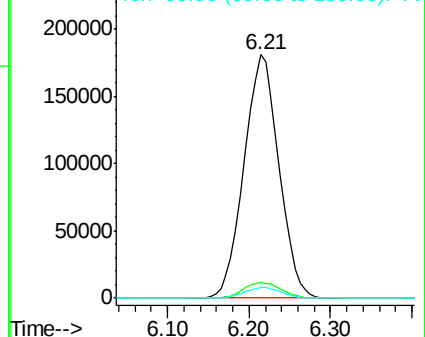
100 4.4 2.1 6.2

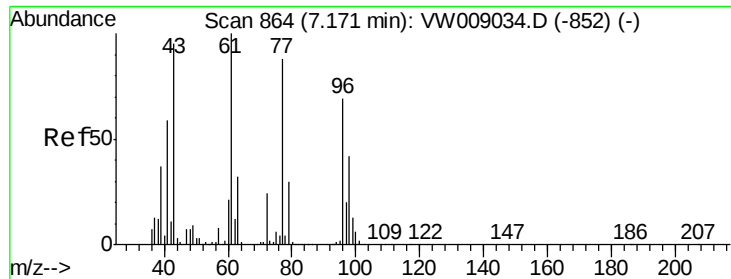


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 530.541 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

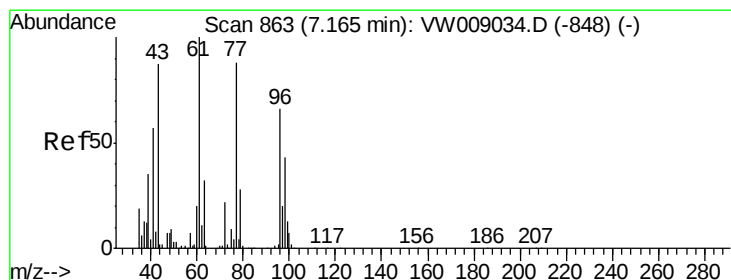
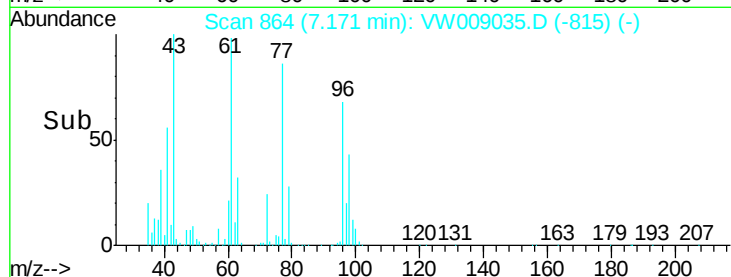
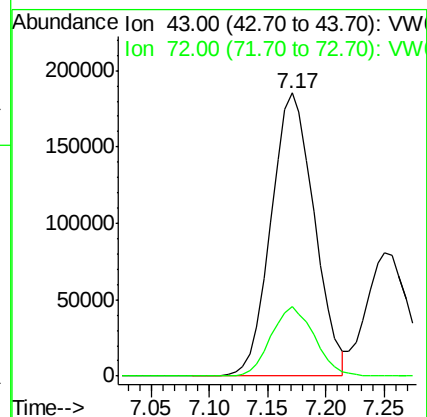
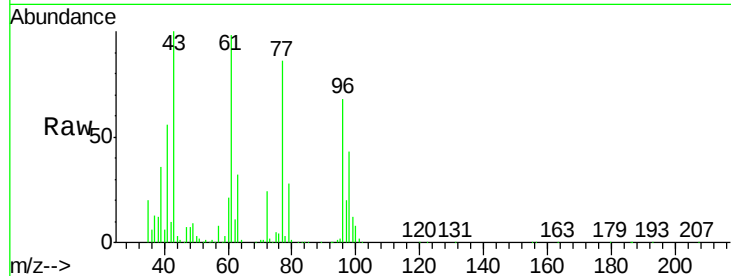
VSTDIC100

Tgt Ion: 43 Resp: 475950

Ion Ratio Lower Upper

43 100

72 24.5 20.0 30.0



#26

2,2-Dichloropropane

Concen: 98.954 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009035.D

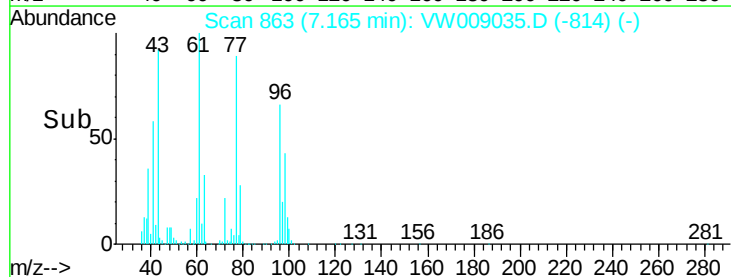
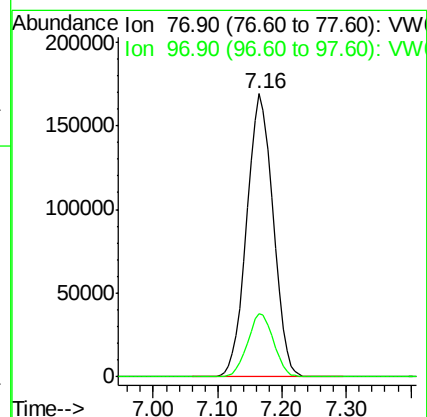
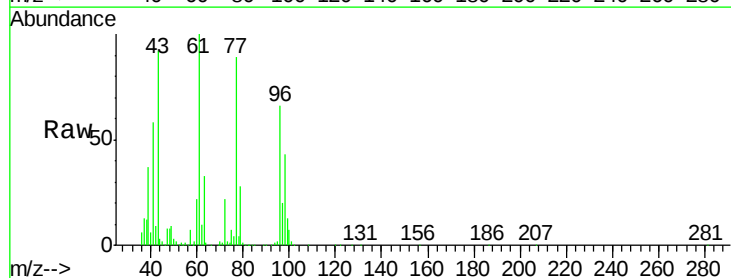
Acq: 07 Mar 2019 12:38

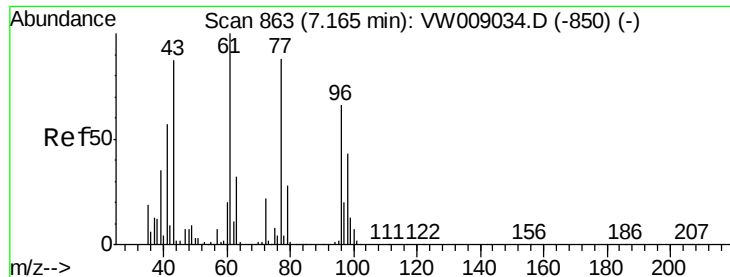
Tgt Ion: 77 Resp: 474919

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.9



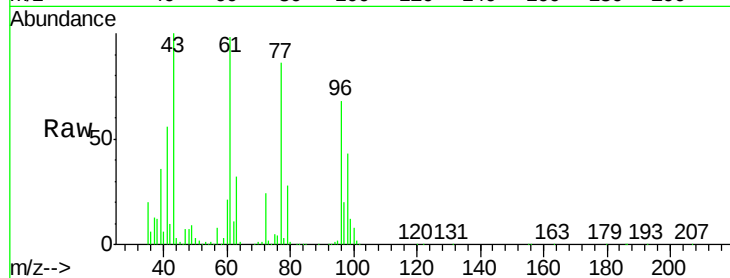


#27

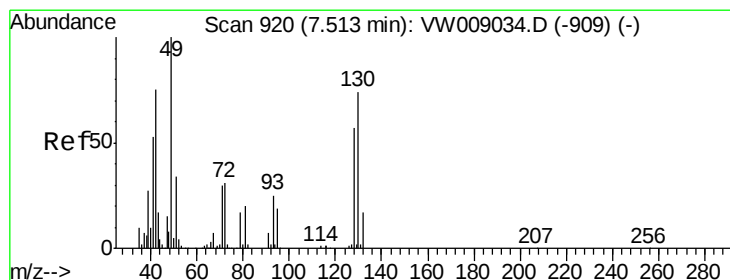
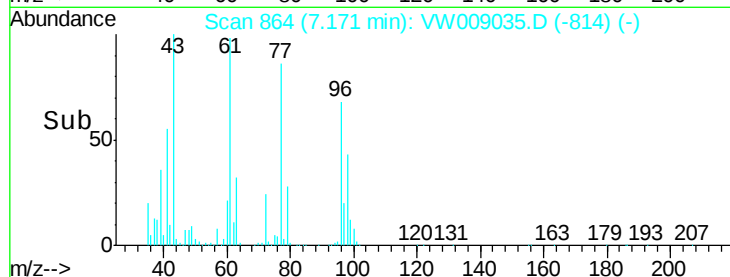
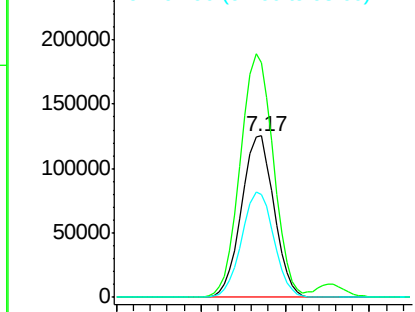
cis-1,2-Dichloroethene
Concen: 102.851 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 328221
Ion Ratio Lower Upper
96 100
61 153.2 0.0 299.8
98 64.8 0.0 127.2



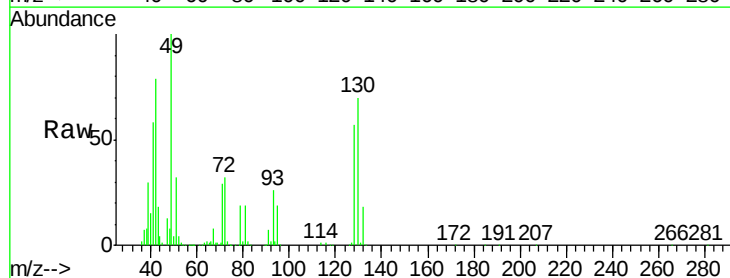
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



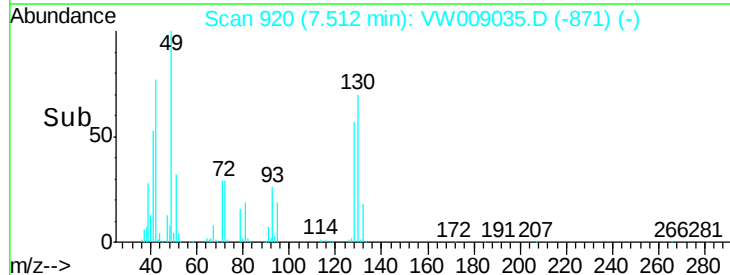
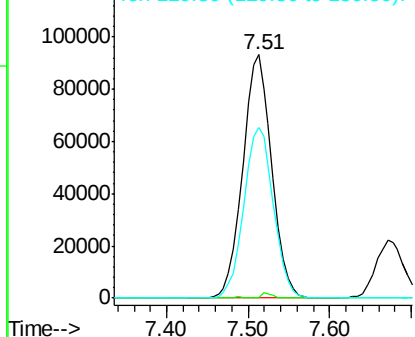
#28

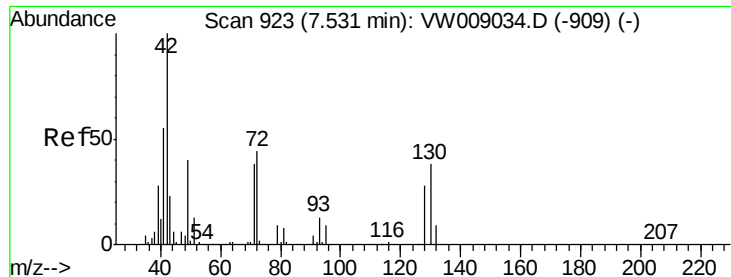
Bromochloromethane
Concen: 105.710 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion: 49 Resp: 229809
Ion Ratio Lower Upper
49 100
129 0.8 0.0 4.6
130 71.7 60.4 90.6



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





#29

Tetrahydrofuran

Concen: 534.753 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

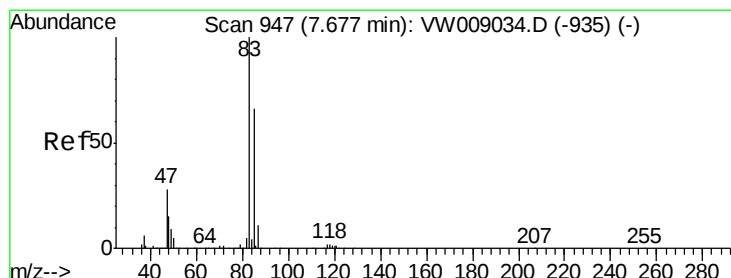
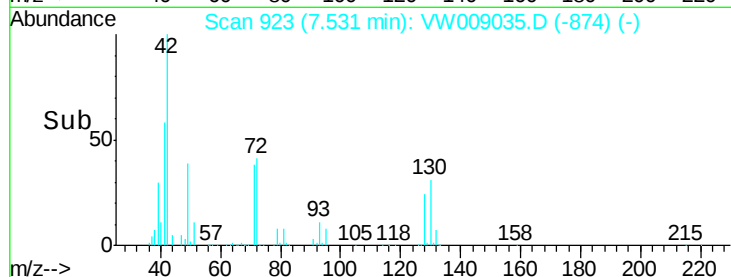
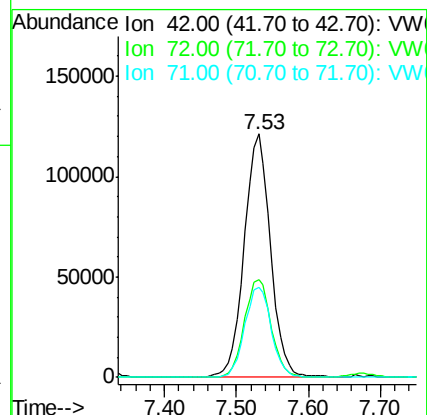
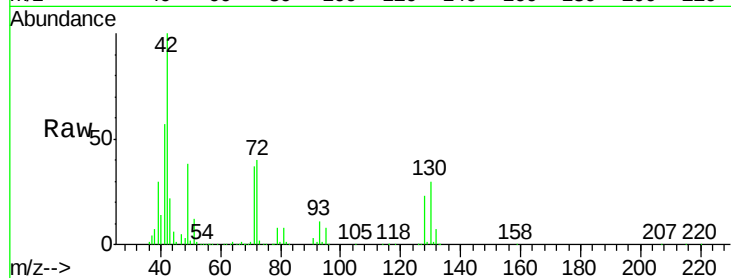
Tgt Ion: 42 Resp: 307572

Ion Ratio Lower Upper

42 100

72 40.5 32.2 48.4

71 37.3 30.7 46.1



#30

Chloroform

Concen: 103.904 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW009035.D

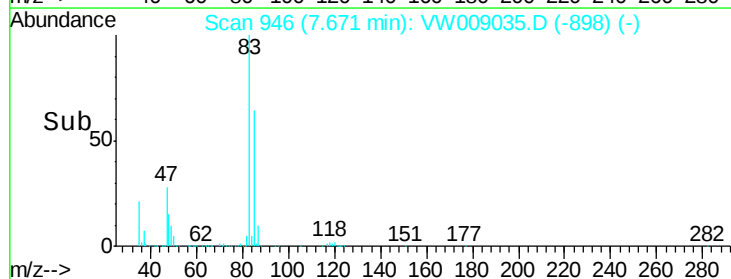
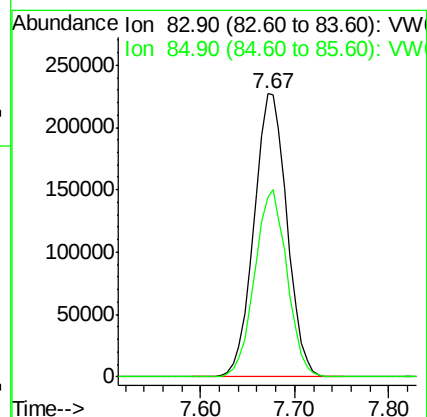
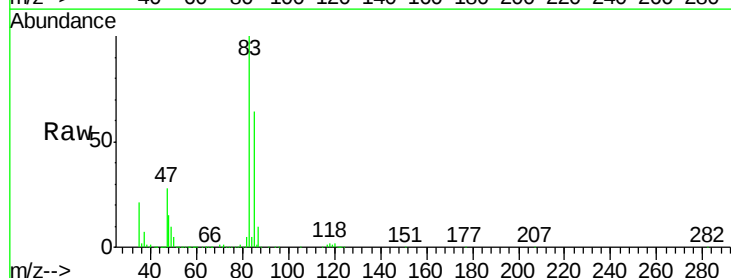
Acq: 07 Mar 2019 12:38

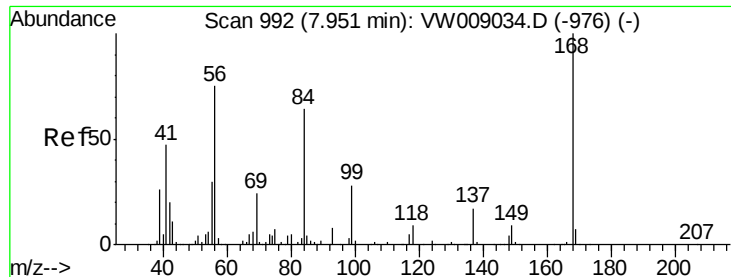
Tgt Ion: 83 Resp: 557713

Ion Ratio Lower Upper

83 100

85 63.7 53.0 79.6

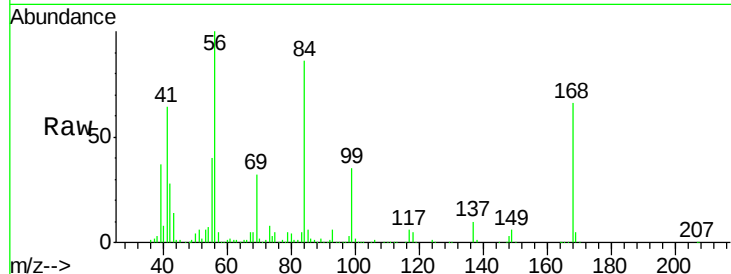




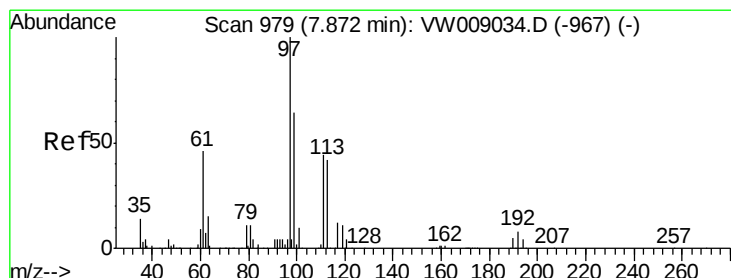
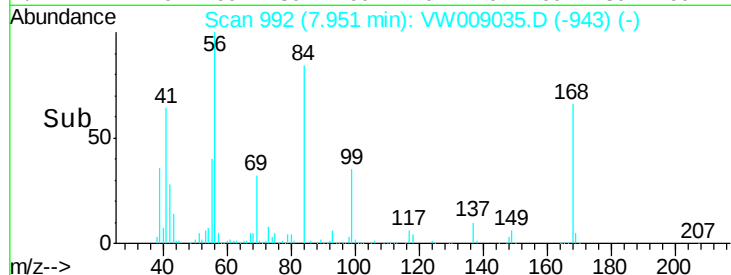
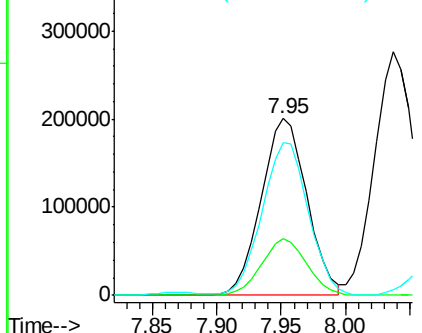
#31
Cyclohexane
Concen: 92.442 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 56 Resp: 494067
Ion Ratio Lower Upper
56 100
69 31.8 25.5 38.3
84 84.4 68.6 103.0

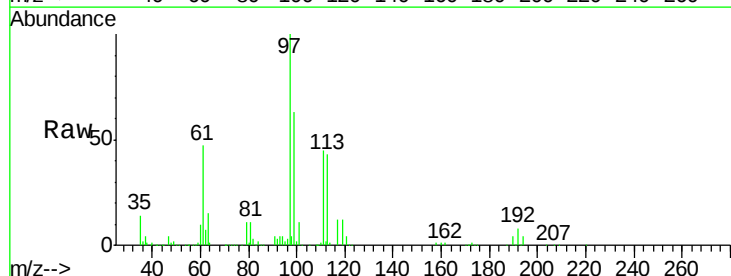


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

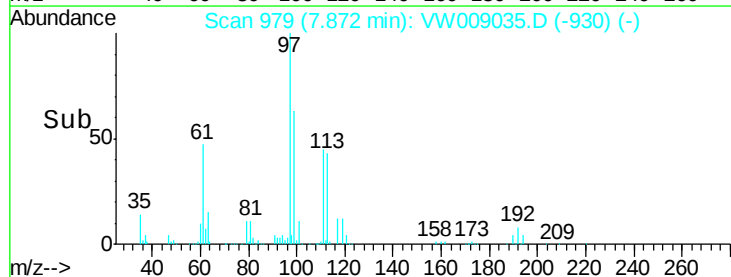
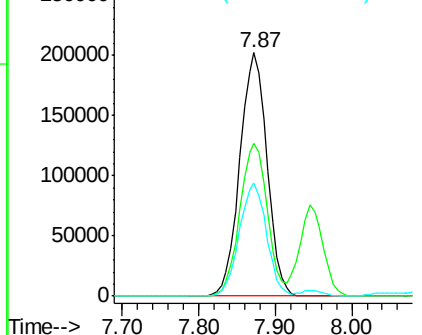


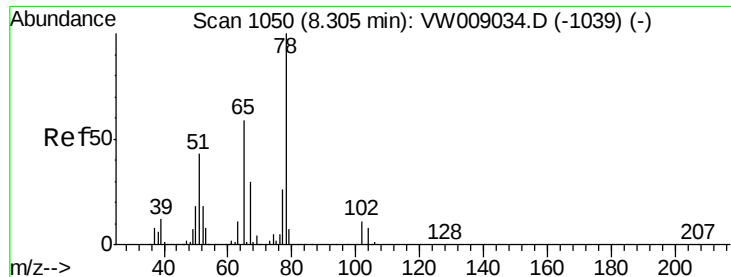
#32
1,1,1-Trichloroethane
Concen: 100.700 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion: 97 Resp: 497759
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.8
61 46.7 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: 100.745 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

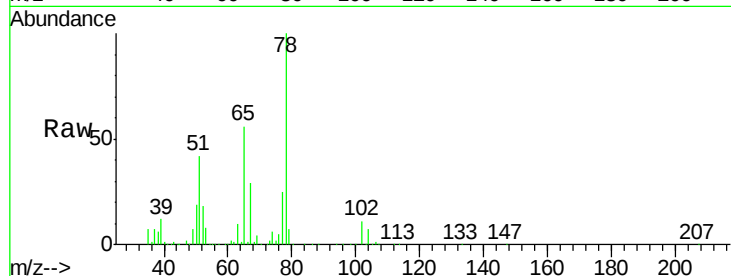
VSTDIC100

Tgt Ion: 65 Resp: 297894

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

150000

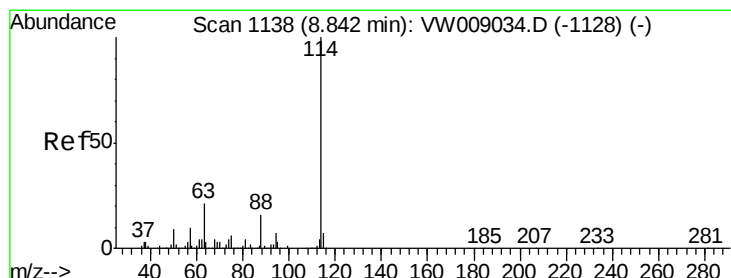
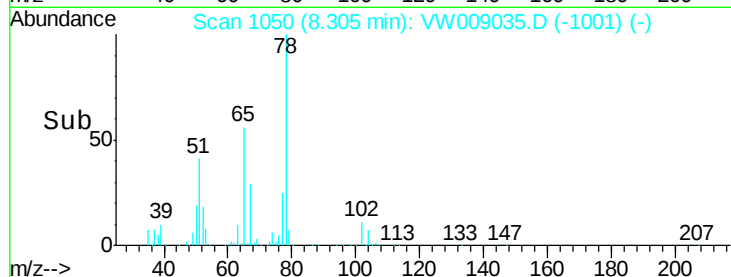
100000

50000

0

Time-->

8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

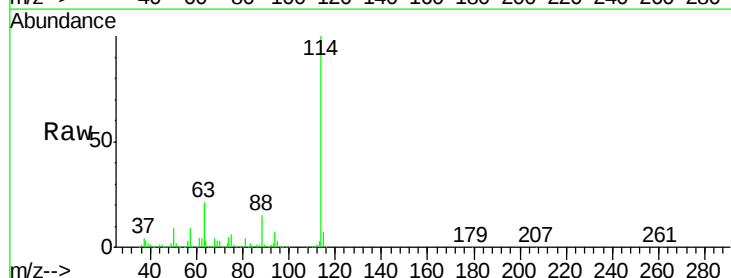
Tgt Ion: 114 Resp: 416364

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.2

88 15.4 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

8.84

250000

200000

150000

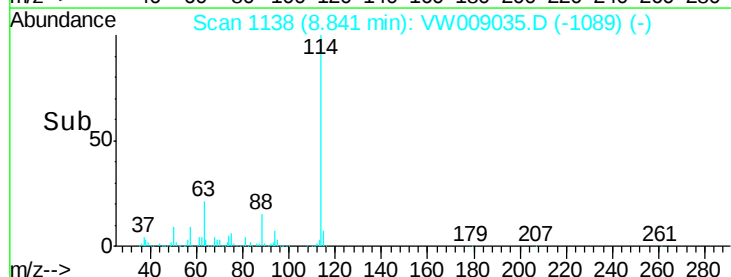
100000

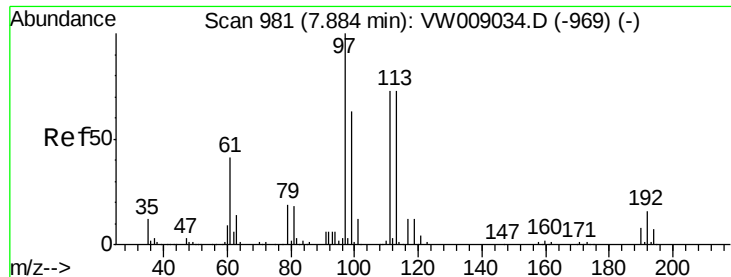
50000

0

Time-->

8.70 8.80 8.90 9.00

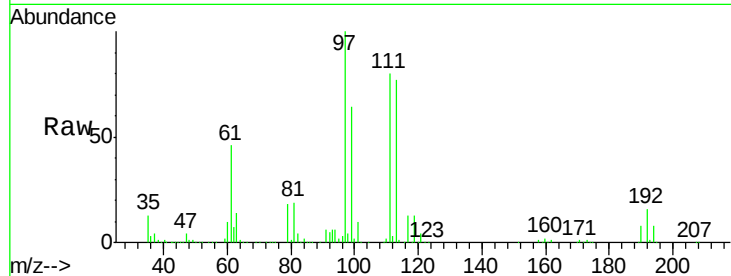




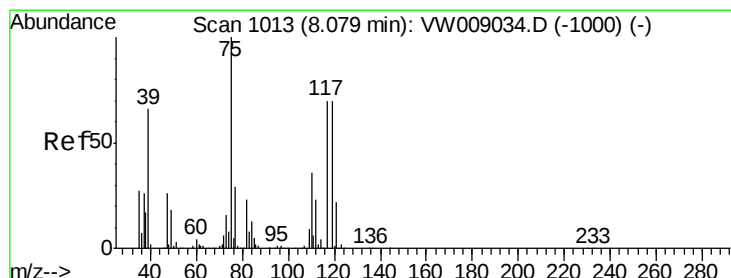
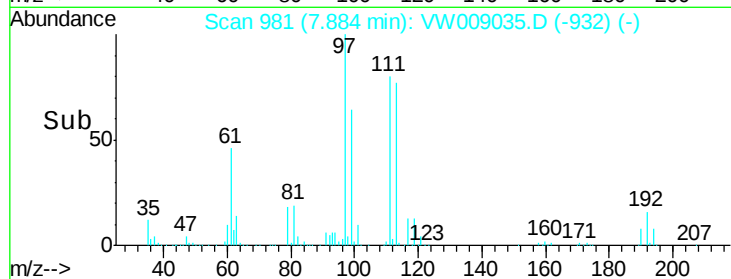
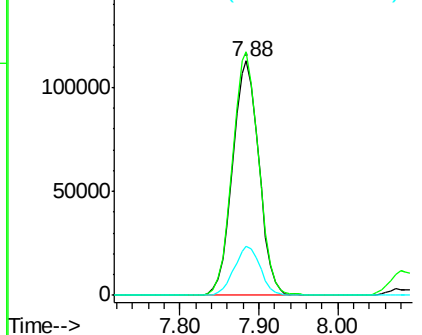
#35
 Dibromofluoromethane
 Concen: 104.465 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.0	121.4
192	20.8	17.1	25.7

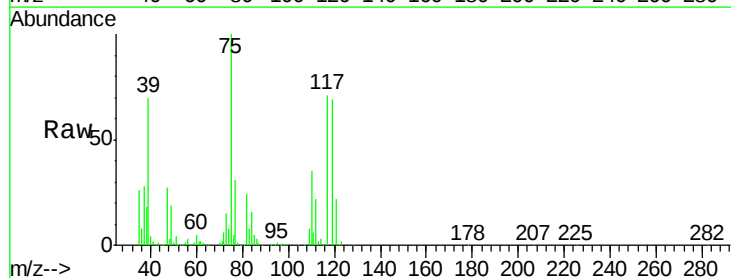


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

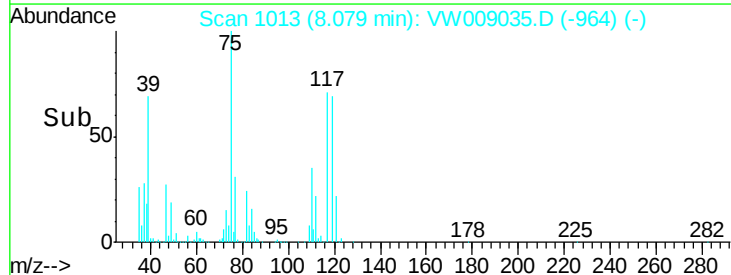
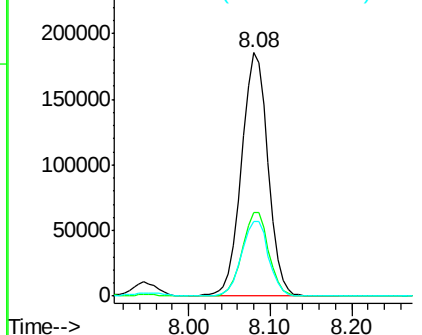


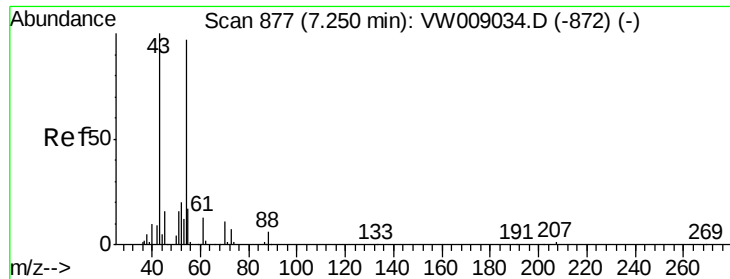
#36
 1,1-Dichloropropene
 Concen: 97.142 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.6	52.9
77	31.5	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

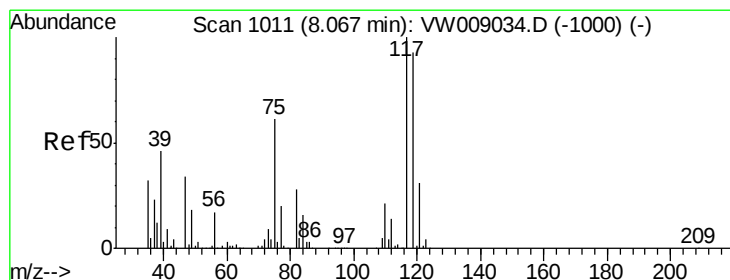
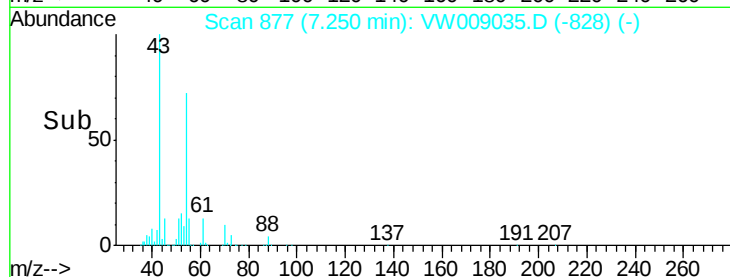
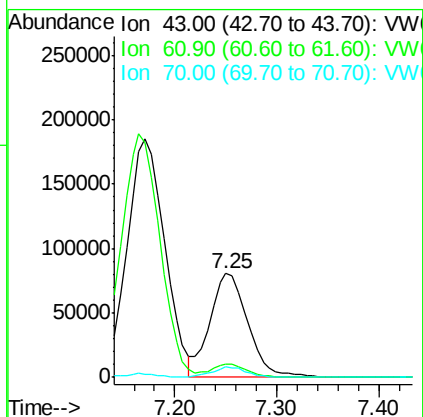
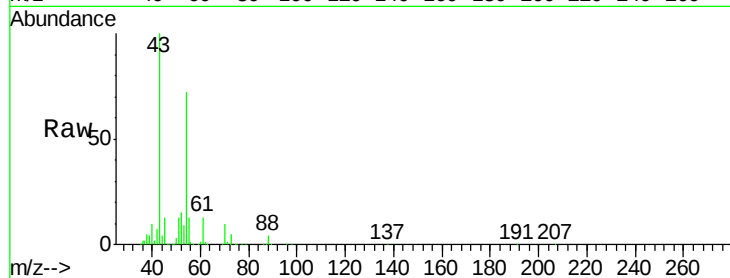




#37
Ethyl Acetate
Concen: 103.218 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

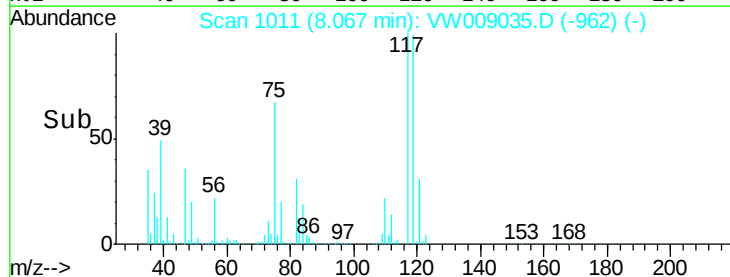
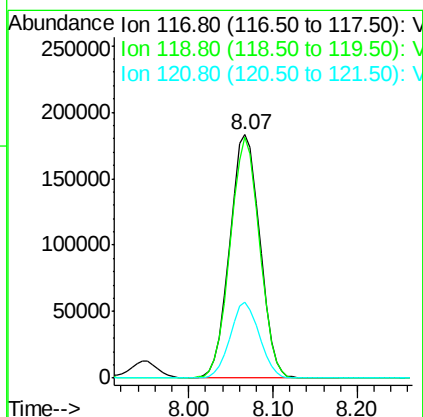
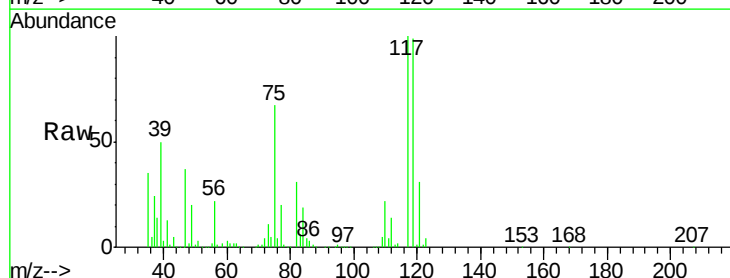
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

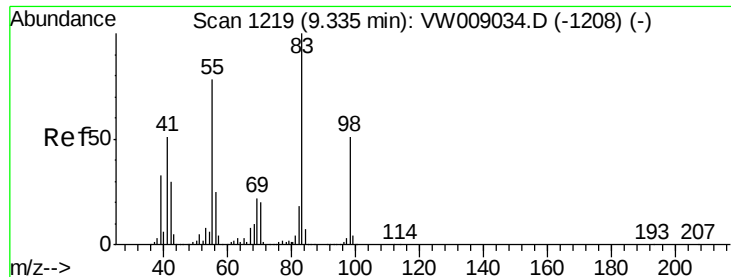
Tgt Ion: 43 Resp: 208908
Ion Ratio Lower Upper
43 100
61 11.8 9.8 14.6
70 9.3 7.2 10.8



#38
Carbon Tetrachloride
Concen: 99.327 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion: 117 Resp: 443472
Ion Ratio Lower Upper
117 100
119 98.8 74.6 112.0
121 31.1 24.7 37.1

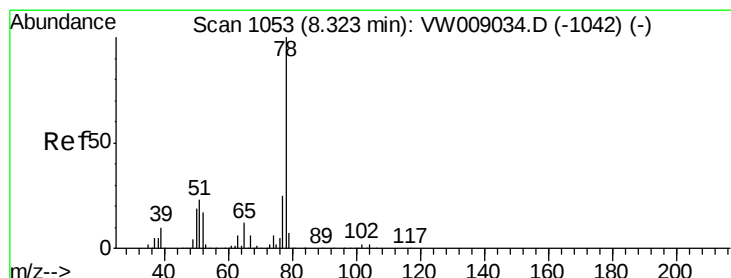
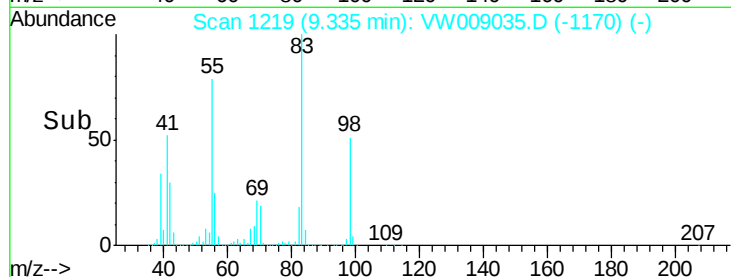
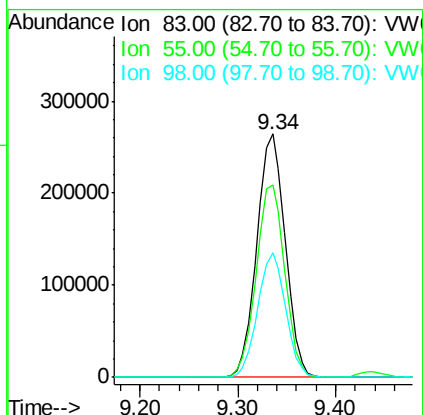
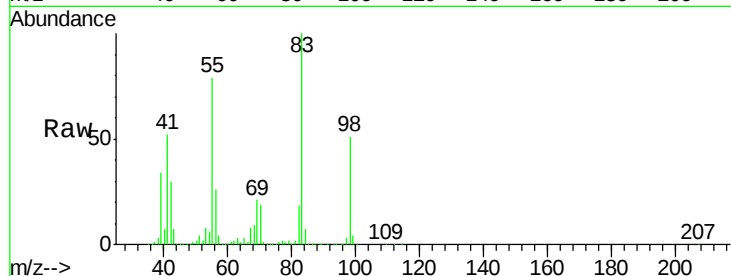




#39
Methylcyclohexane
Concen: 103.308 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

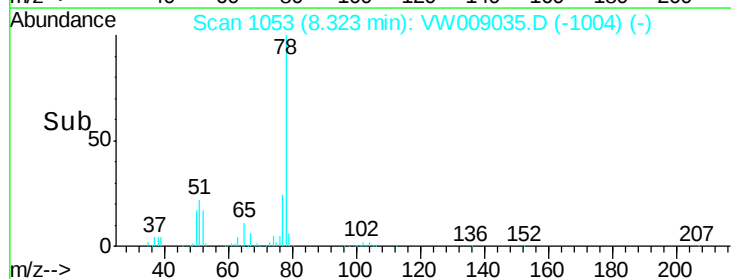
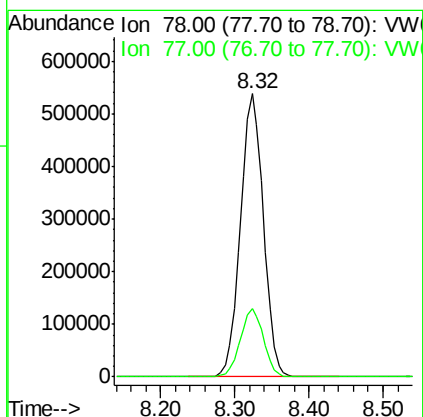
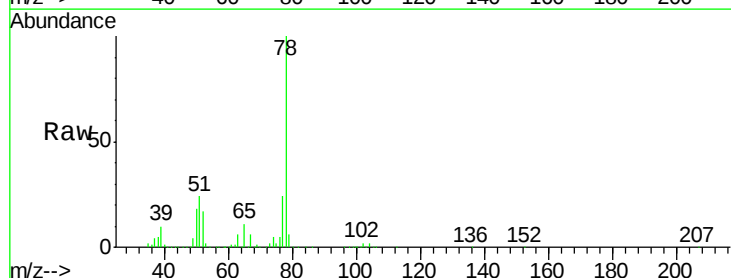
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

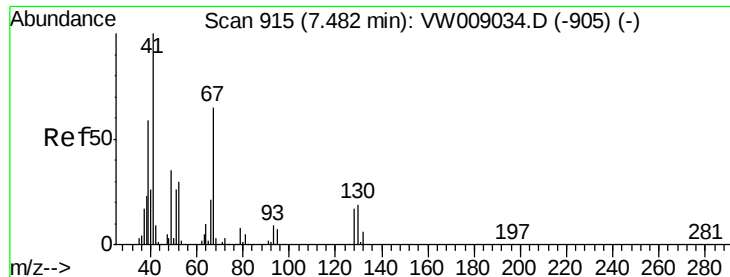
Tgt Ion: 83 Resp: 533048
Ion Ratio Lower Upper
83 100
55 79.1 62.7 94.1
98 51.1 40.8 61.2



#40
Benzene
Concen: 101.541 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion: 78 Resp: 1163133
Ion Ratio Lower Upper
78 100
77 24.0 20.2 30.4





#41

Methacrylonitrile

Concen: 114.397 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 122015

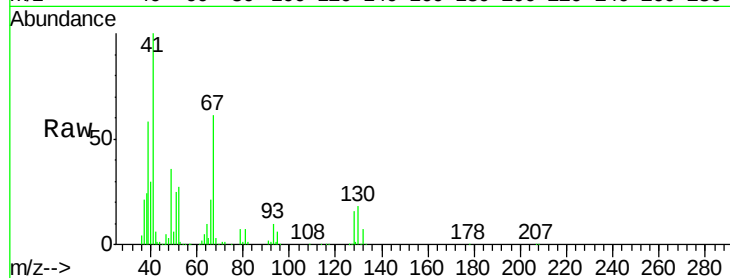
Ion Ratio Lower Upper

41 100

39 64.2 53.6 80.4

67 67.9 57.6 86.4

52 30.6 26.0 39.0

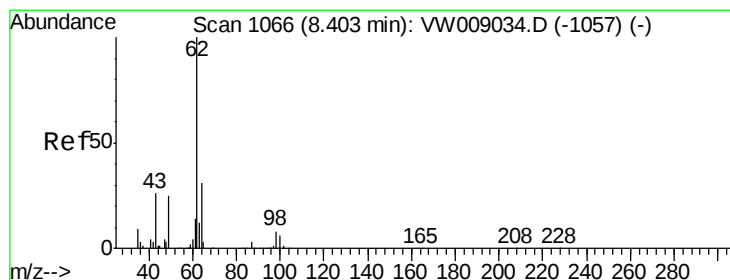
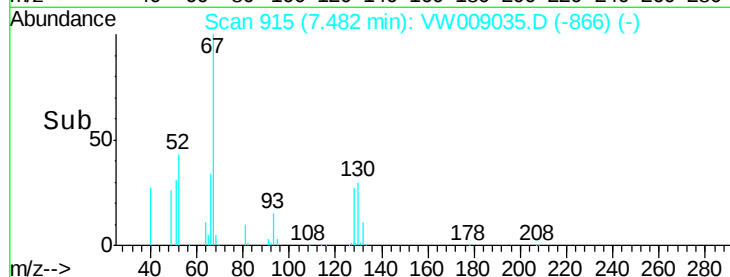
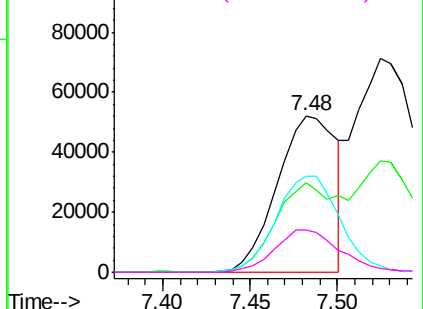


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 102.407 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW009035.D

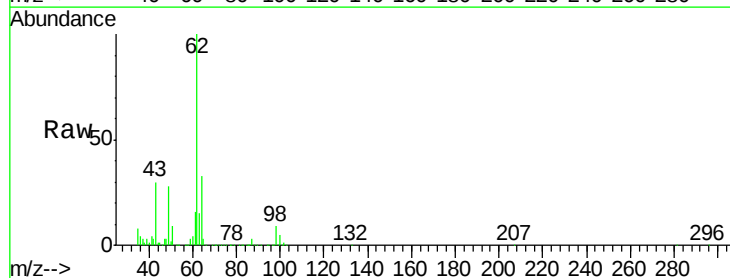
Acq: 07 Mar 2019 12:38

Tgt Ion: 62 Resp: 382267

Ion Ratio Lower Upper

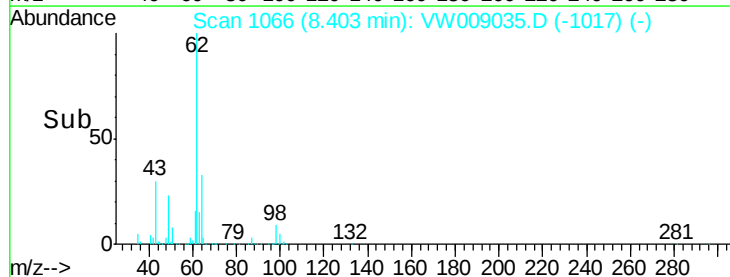
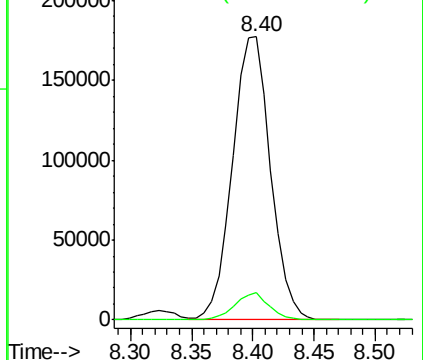
62 100

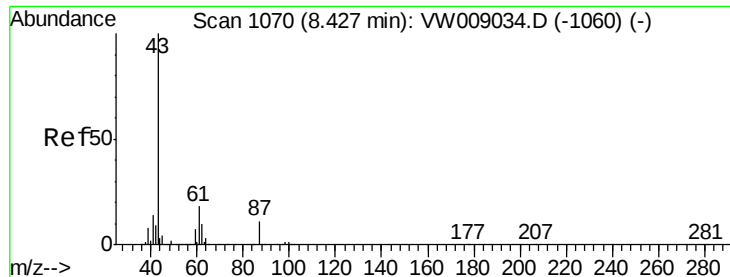
98 8.8 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 107.186 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

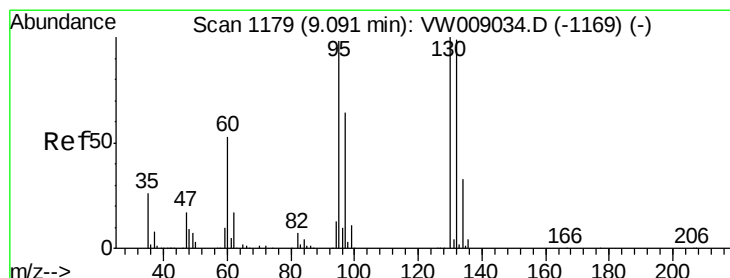
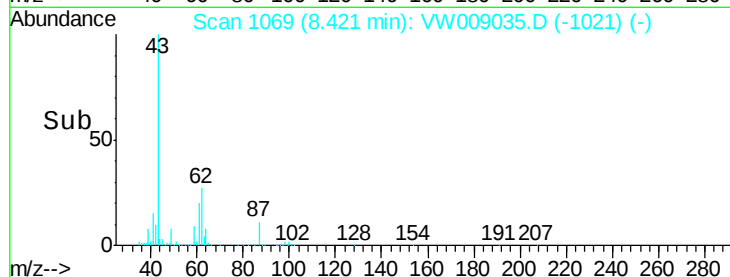
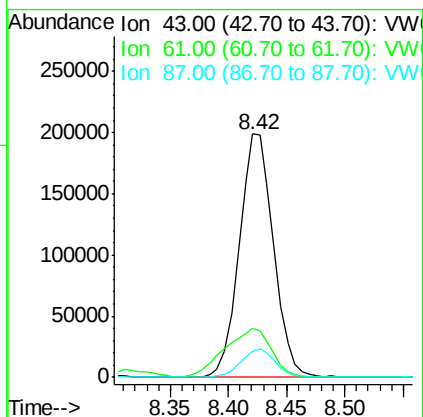
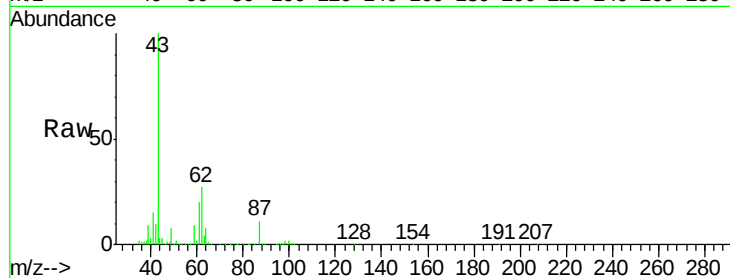
Tgt Ion: 43 Resp: 405798

Ion Ratio Lower Upper

43 100

61 27.4 22.8 34.2

87 11.7 9.4 14.2



#44

Trichloroethene

Concen: 97.095 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW009035.D

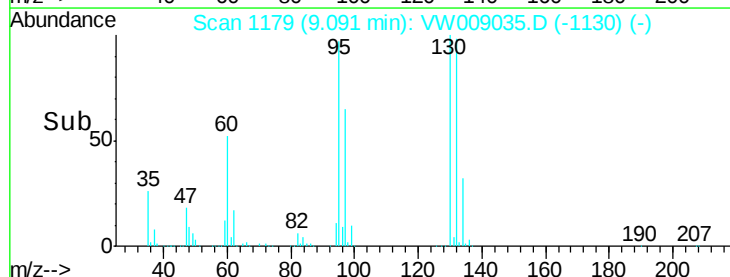
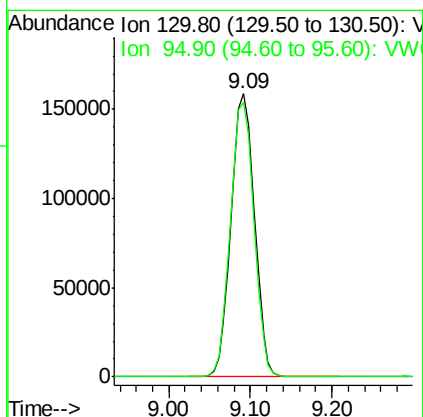
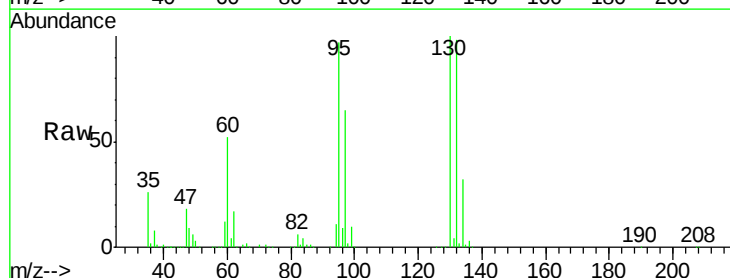
Acq: 07 Mar 2019 12:38

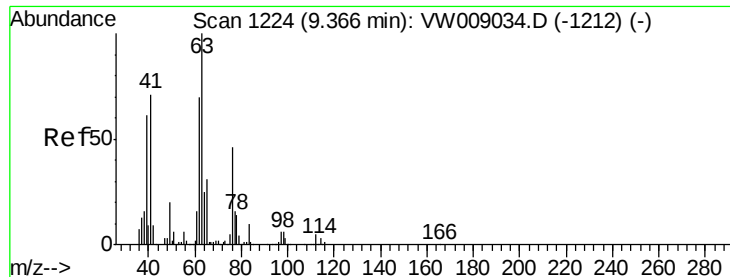
Tgt Ion: 130 Resp: 312696

Ion Ratio Lower Upper

130 100

95 96.8 0.0 197.0

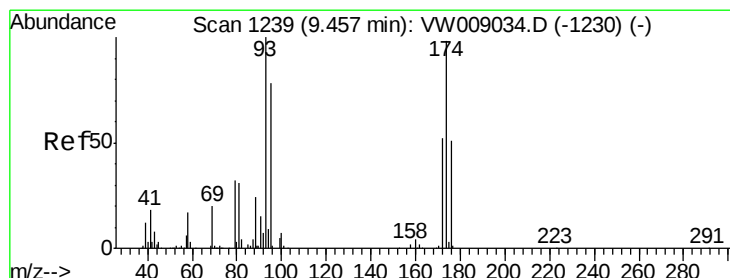
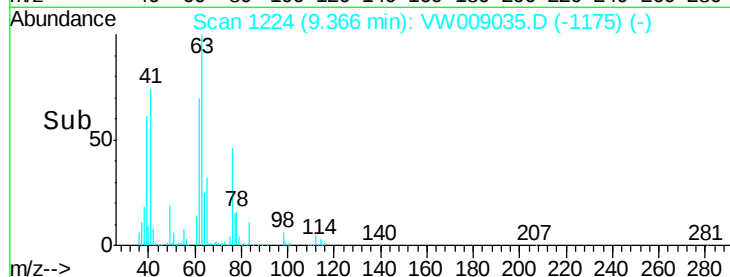
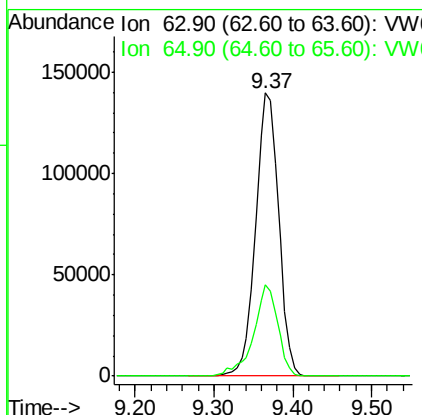
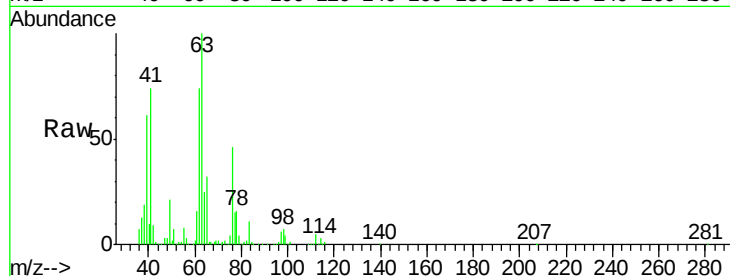




#45
 1,2-Dichloropropane
 Concen: 99.765 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

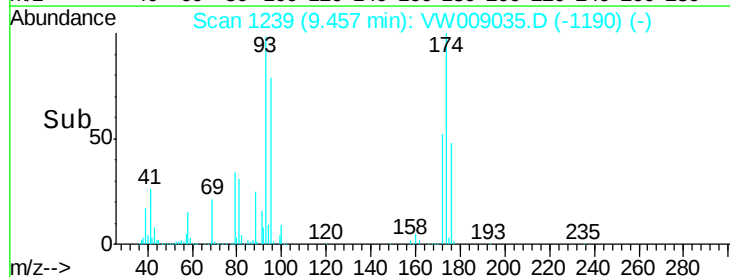
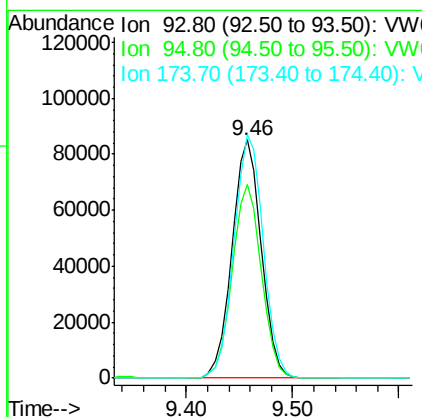
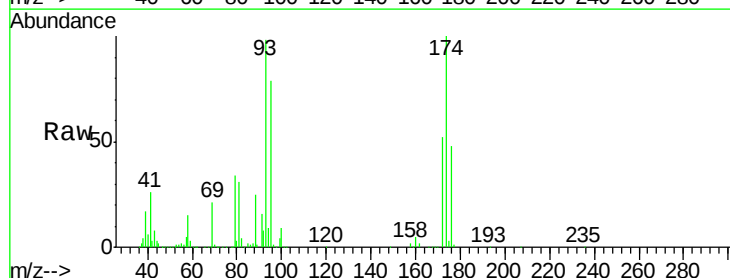
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

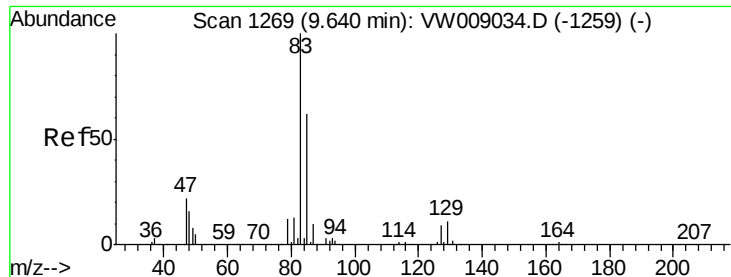
Tgt Ion: 63 Resp: 284283
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.9 37.3



#46
 Dibromomethane
 Concen: 103.529 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion: 93 Resp: 163856
 Ion Ratio Lower Upper
 93 100
 95 81.2 65.0 97.6
 174 102.7 81.8 122.6





#47

Bromodichloromethane

Concen: 101.827 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

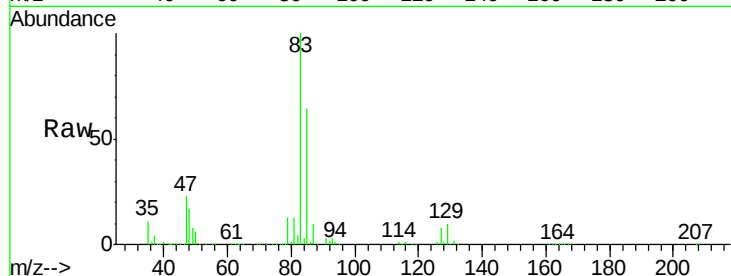
Tgt Ion: 83 Resp: 406207

Ion Ratio Lower Upper

83 100

85 63.7 49.9 74.9

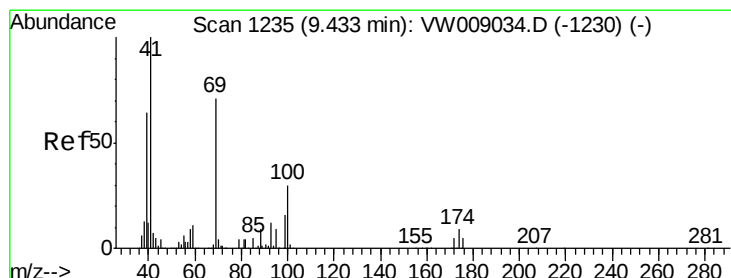
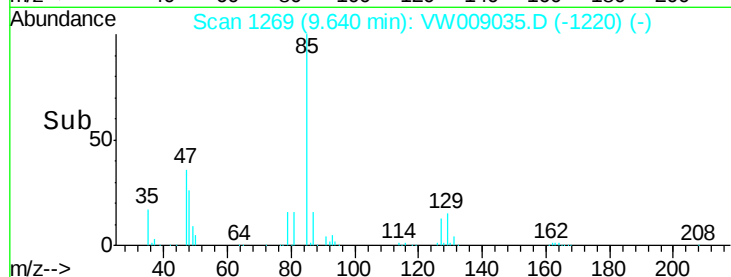
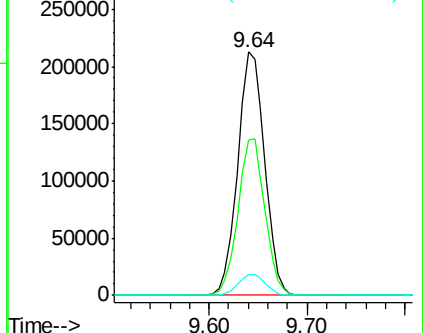
127 8.3 7.1 10.7



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: 107.693 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

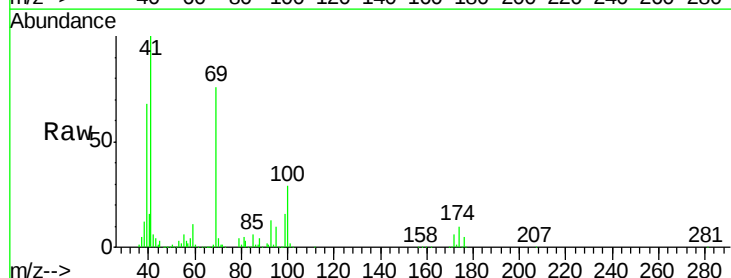
Tgt Ion: 41 Resp: 192253

Ion Ratio Lower Upper

41 100

69 79.3 59.1 88.7

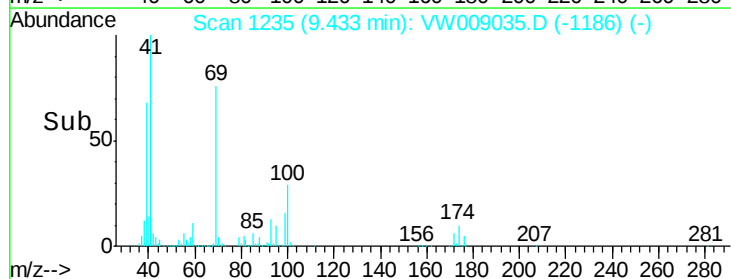
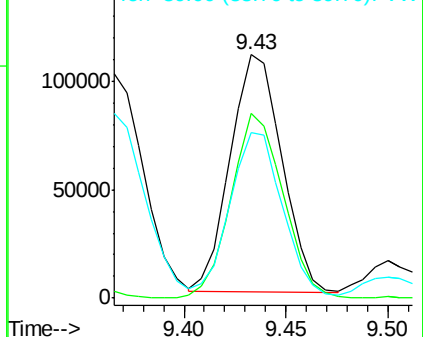
39 69.3 48.9 73.3

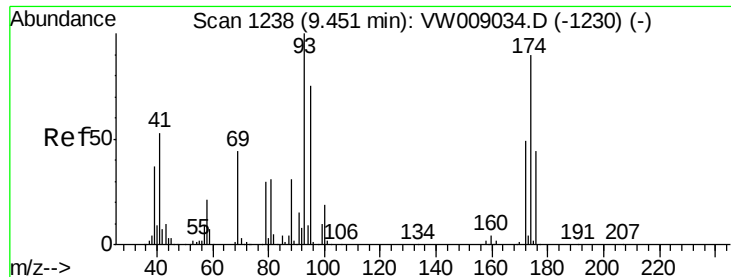


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1900.555 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

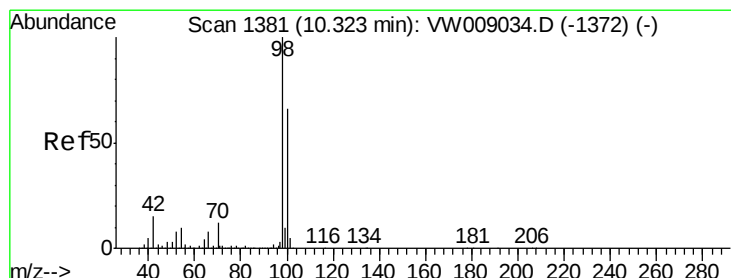
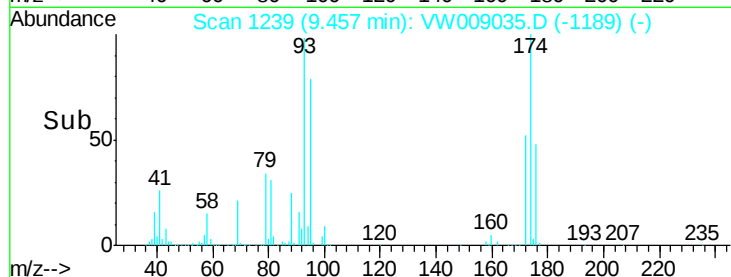
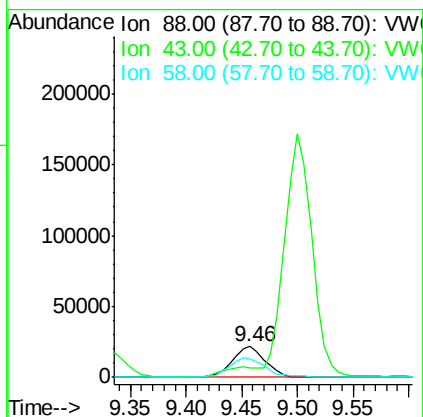
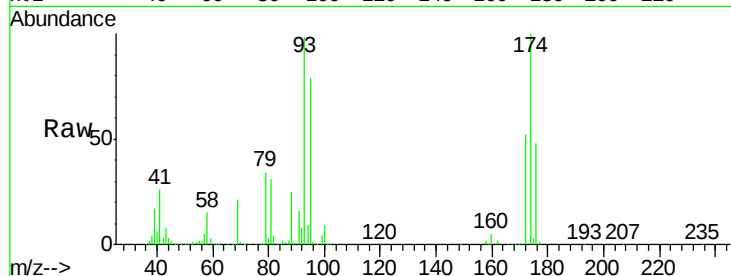
Tgt Ion: 88 Resp: 44160

Ion Ratio Lower Upper

88 100

43 34.3 29.0 43.4

58 71.4 59.2 88.8



#50

Toluene-d8

Concen: 101.090 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009035.D

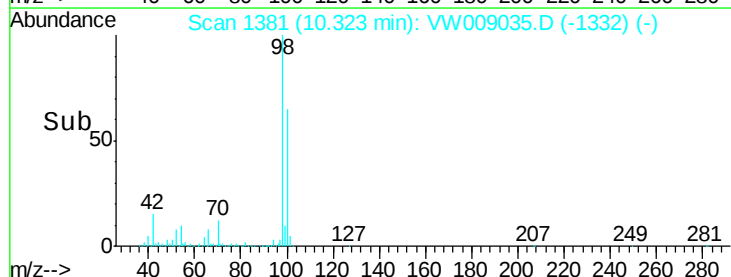
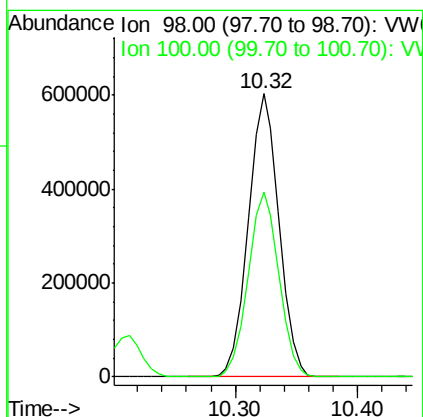
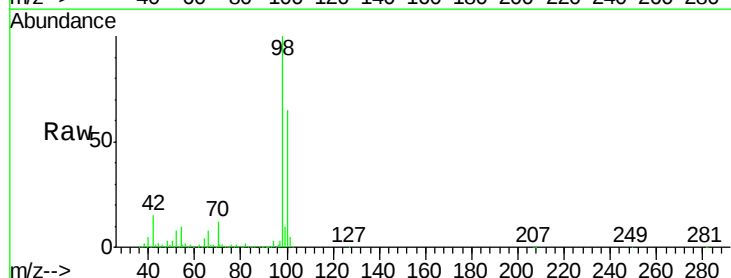
Acq: 07 Mar 2019 12:38

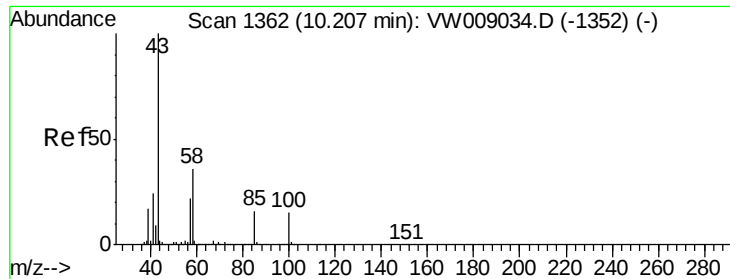
Tgt Ion: 98 Resp: 1049828

Ion Ratio Lower Upper

98 100

100 65.5 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 541.625 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

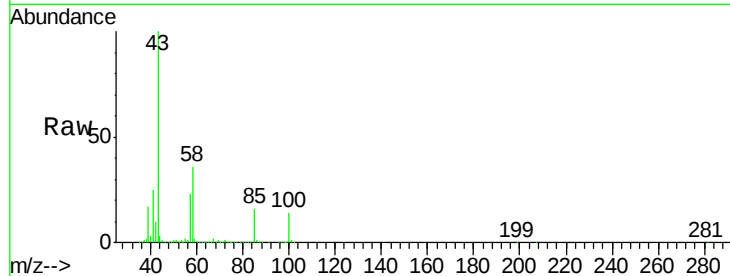
VSTDIC100

Tgt Ion: 43 Resp: 1045132

Ion Ratio Lower Upper

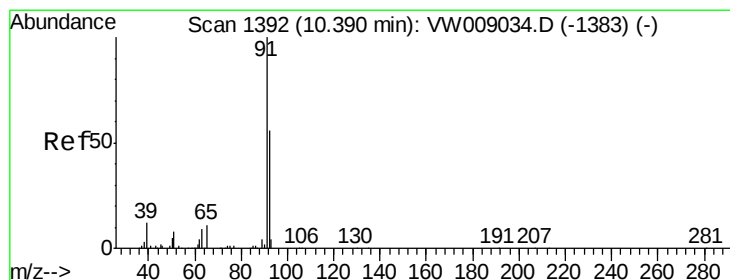
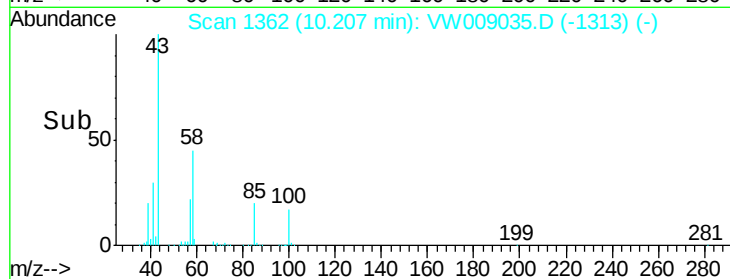
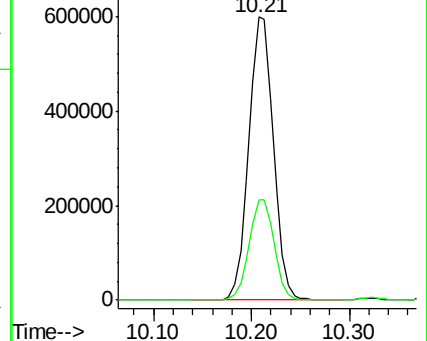
43 100

58 35.9 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 103.055 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW009035.D

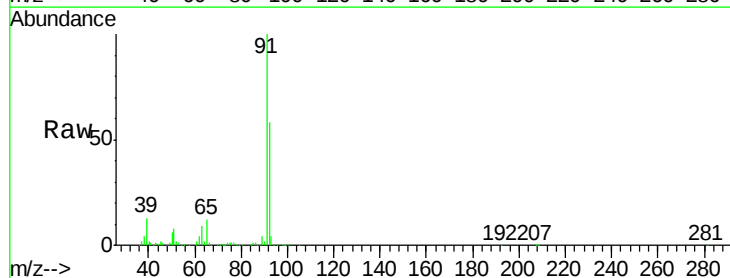
Acq: 07 Mar 2019 12:38

Tgt Ion: 92 Resp: 805153

Ion Ratio Lower Upper

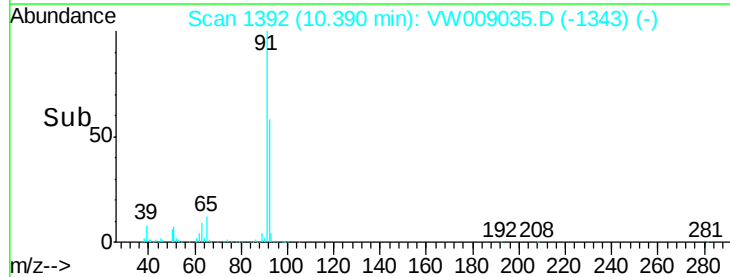
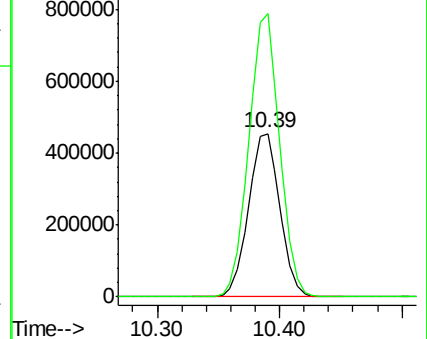
92 100

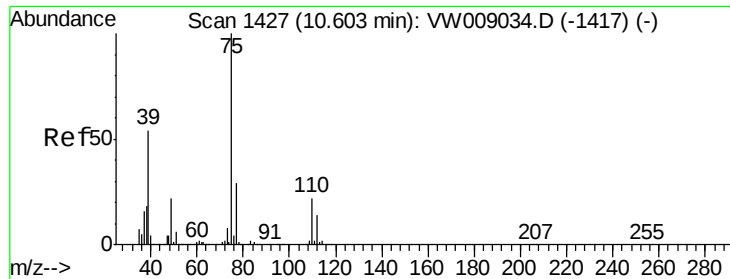
91 171.1 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 105.859 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

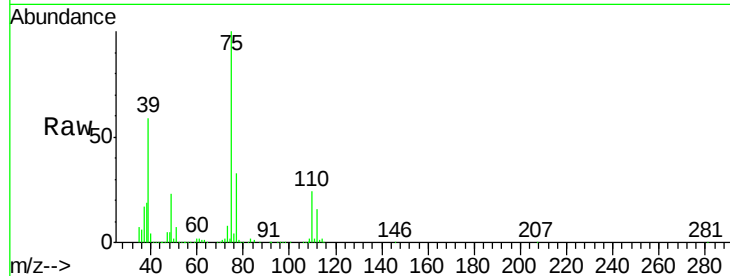
VSTDICC100

Tgt Ion: 75 Resp: 419938

Ion Ratio Lower Upper

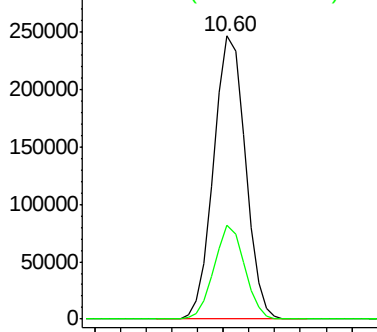
75 100

77 33.0 23.6 35.4

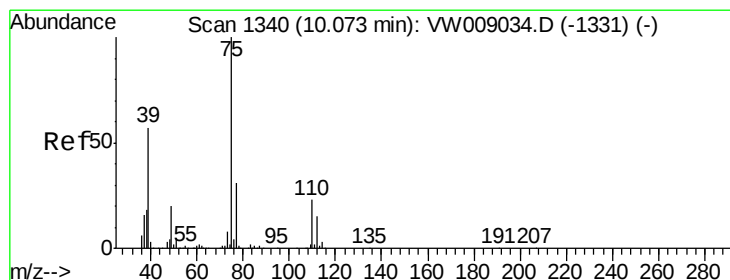
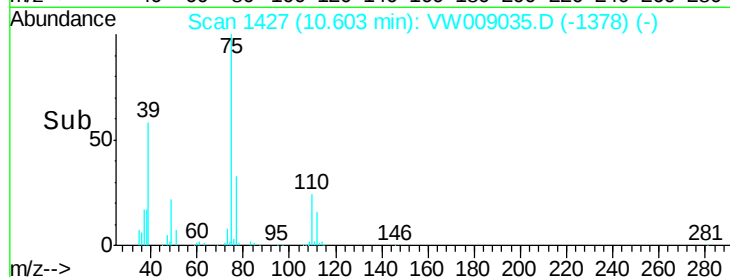


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



Time-->



#54

cis-1,3-Dichloropropene

Concen: 104.296 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

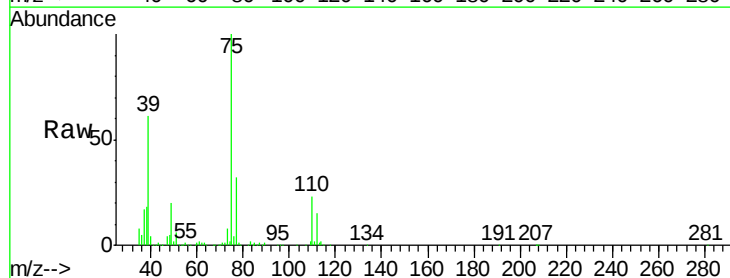
Tgt Ion: 75 Resp: 472070

Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

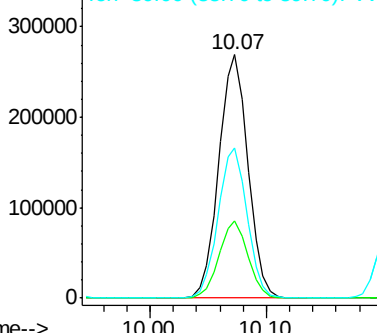
39 61.3 45.9 68.9



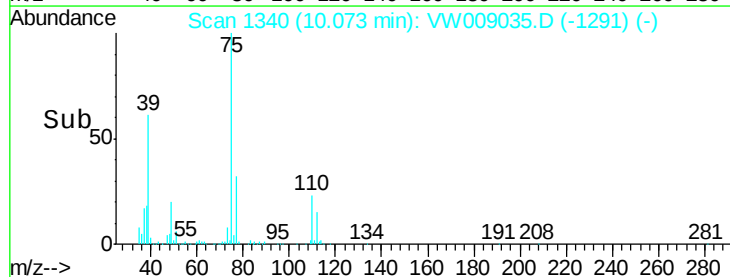
Abundance Ion 74.90 (74.60 to 75.60): VW

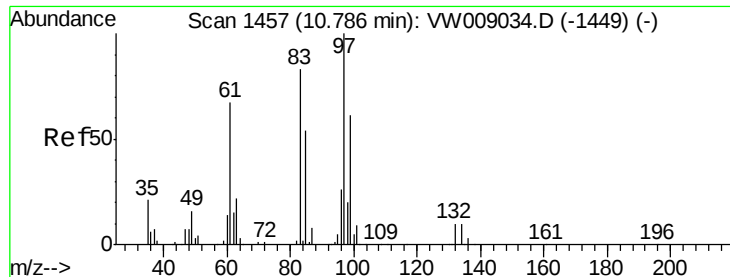
Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



Time-->





#55

1,1,2-Trichloroethane

Concen: 101.080 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 216787

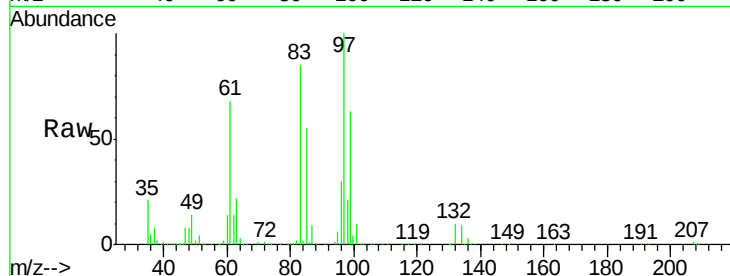
Ion Ratio Lower Upper

97 100

83 84.5 66.2 99.2

85 54.7 43.6 65.4

99 63.3 49.0 73.4

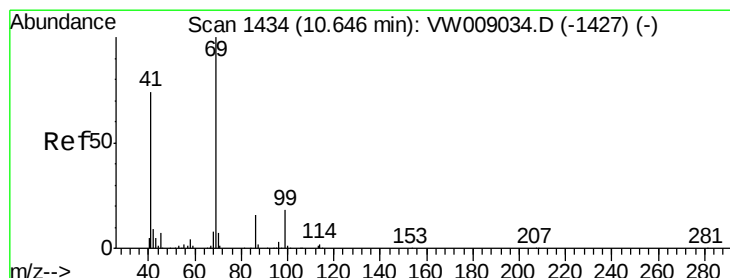
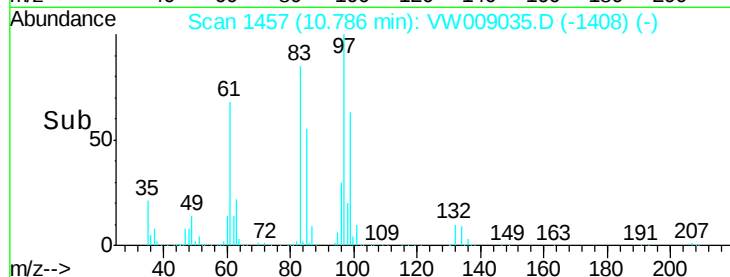
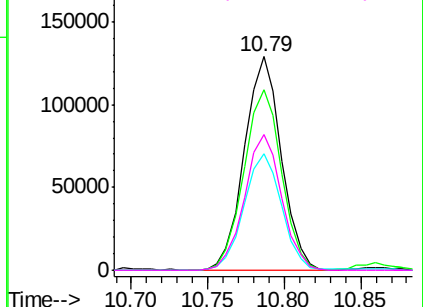


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 111.489 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

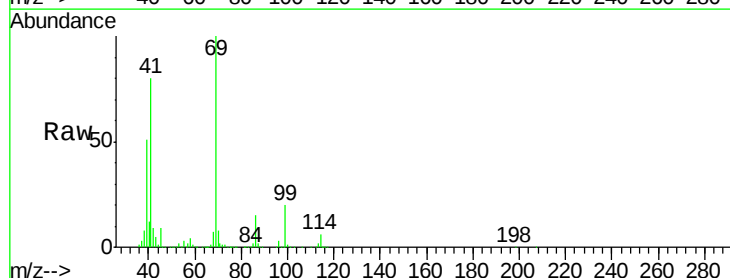
Tgt Ion: 69 Resp: 299826

Ion Ratio Lower Upper

69 100

41 76.5 59.4 89.2

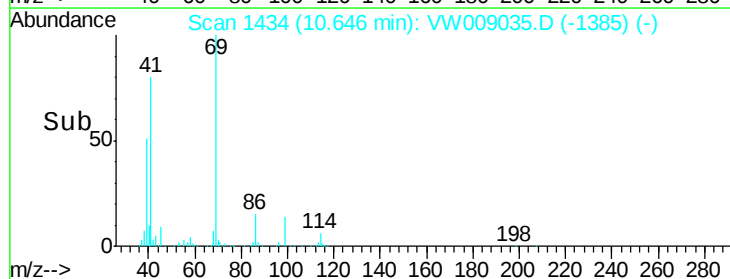
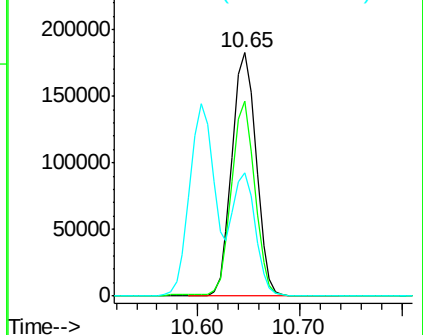
39 46.5 38.5 57.7

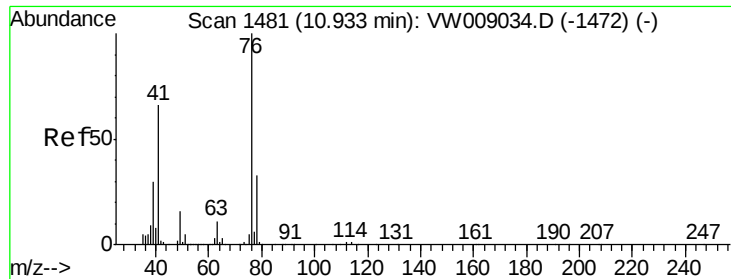


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

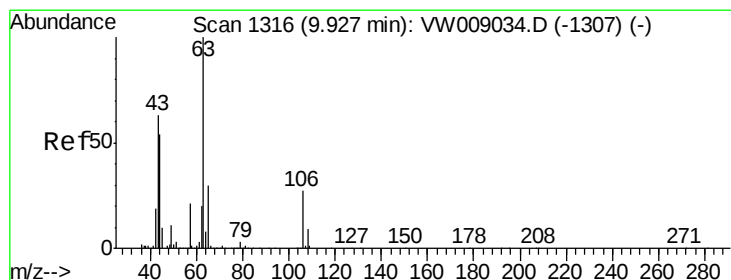
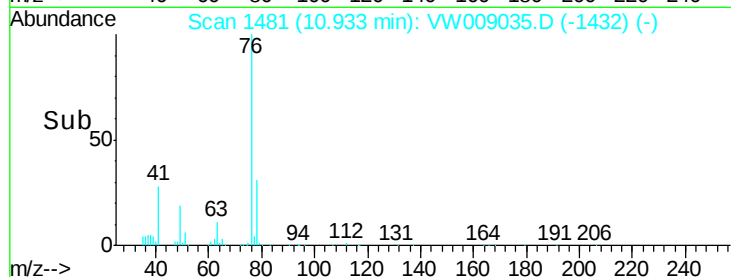
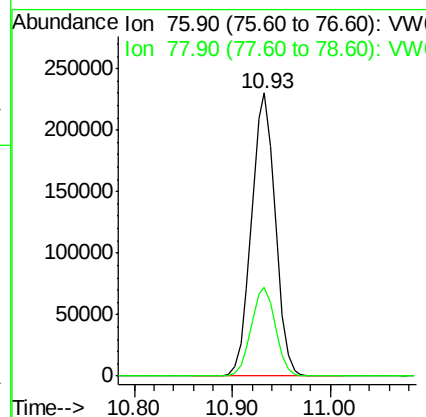
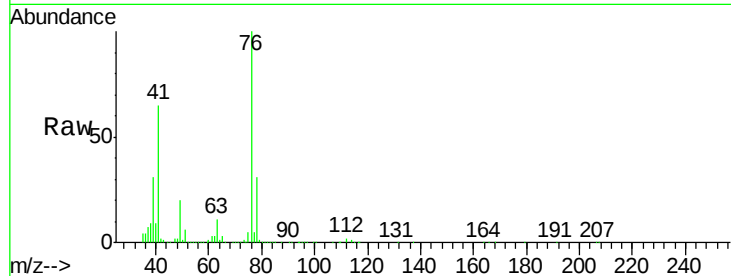




#57
 1,3-Dichloropropane
 Concen: 101.679 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

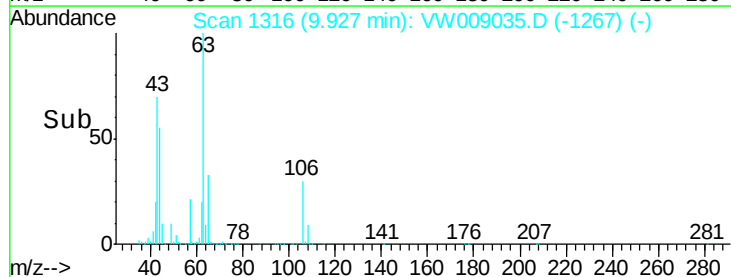
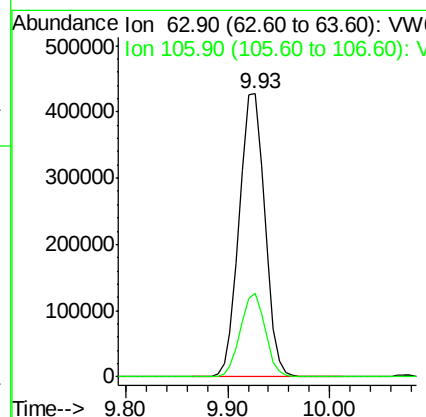
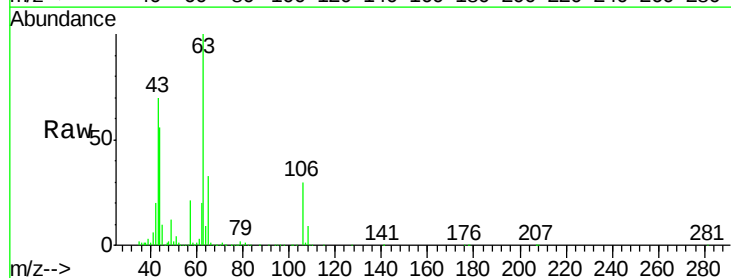
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

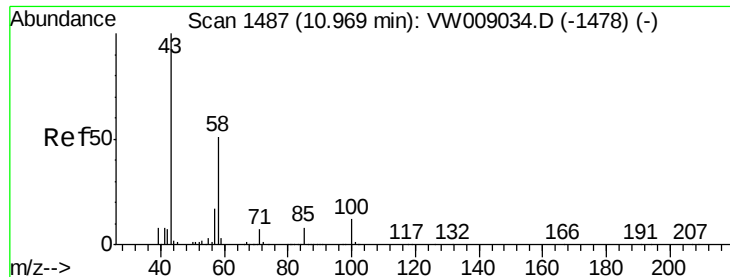
Tgt Ion: 76 Resp: 387135
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 531.899 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion: 63 Resp: 743240
 Ion Ratio Lower Upper
 63 100
 106 28.5 23.0 34.6

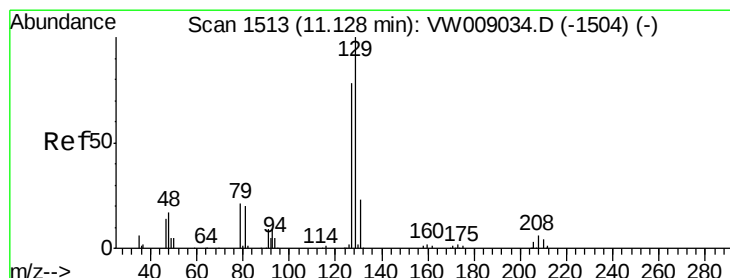
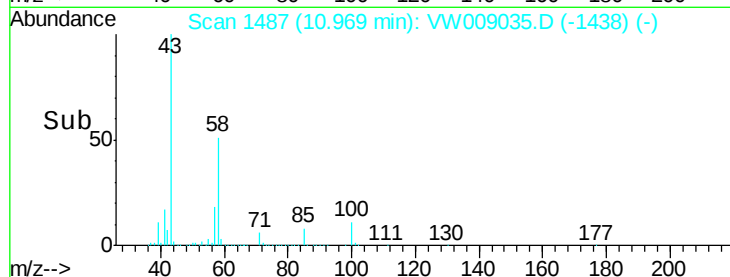
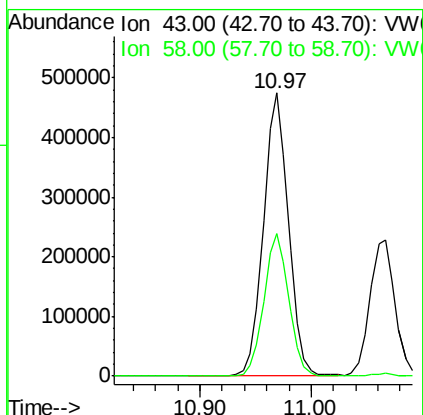
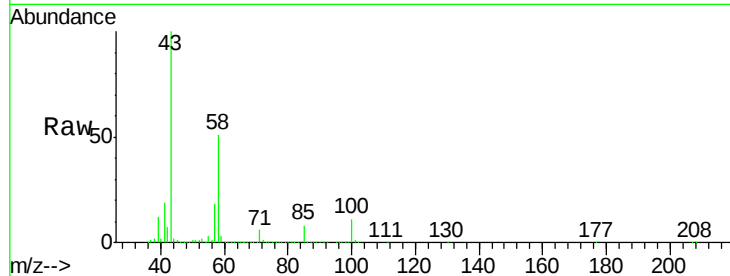




#59
2-Hexanone
Concen: 544.390 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

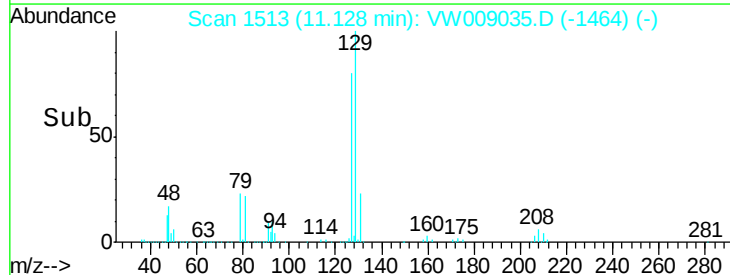
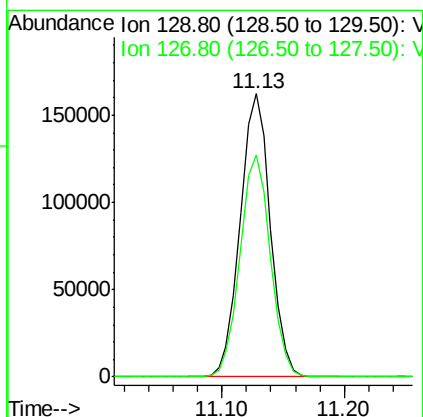
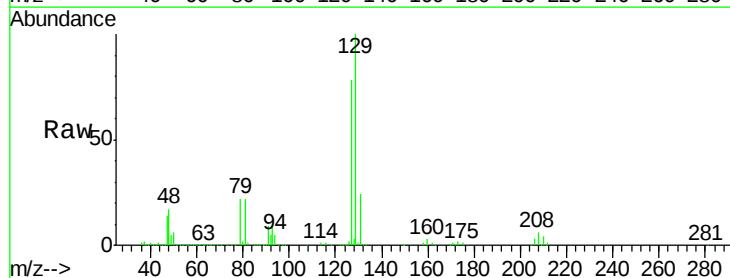
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

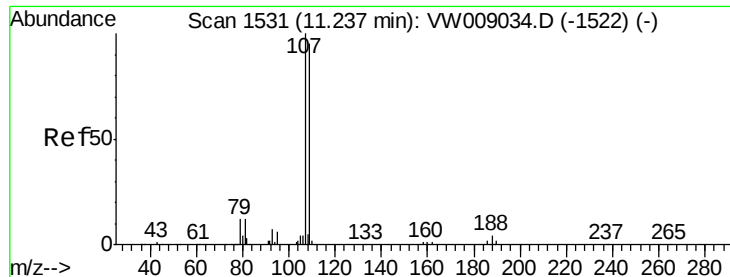
Tgt Ion: 43 Resp: 741622
Ion Ratio Lower Upper
43 100
58 50.4 25.3 75.9



#60
Dibromochloromethane
Concen: 105.089 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion: 129 Resp: 276912
Ion Ratio Lower Upper
129 100
127 78.8 38.4 115.1

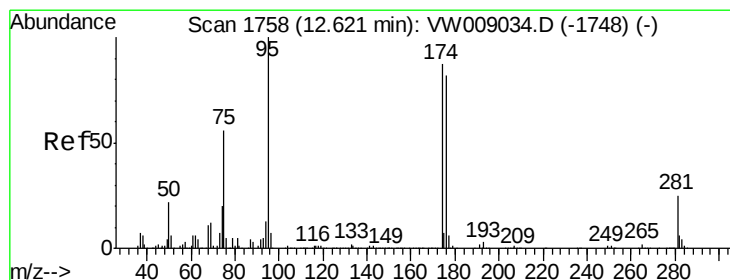
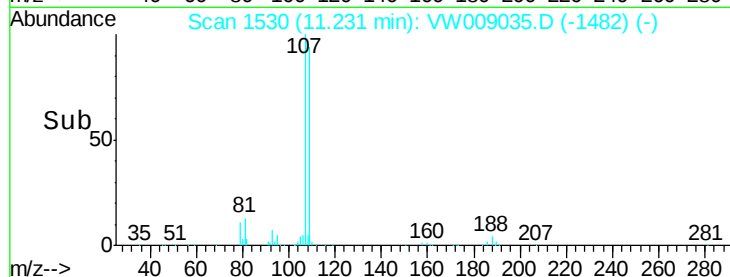
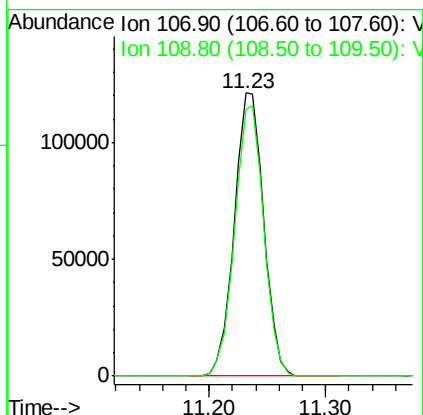
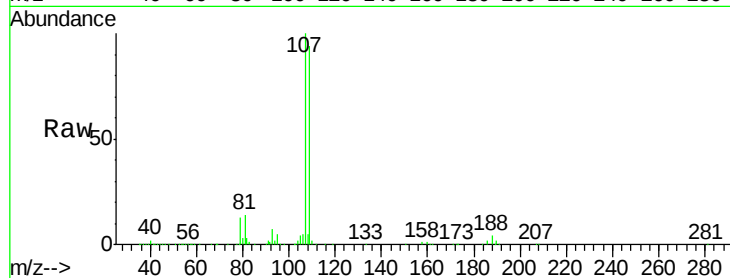




#61
 1,2-Dibromoethane
 Concen: 102.309 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

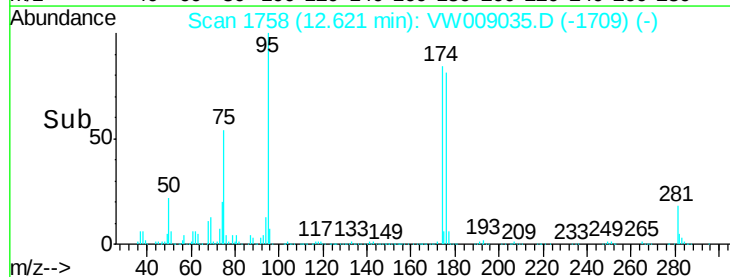
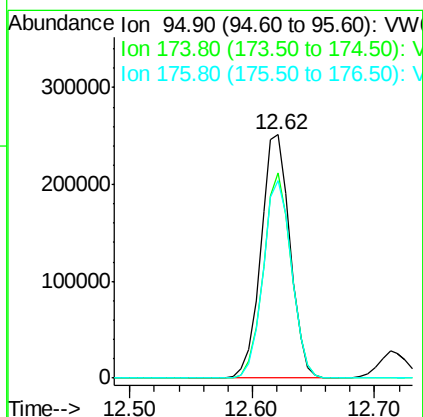
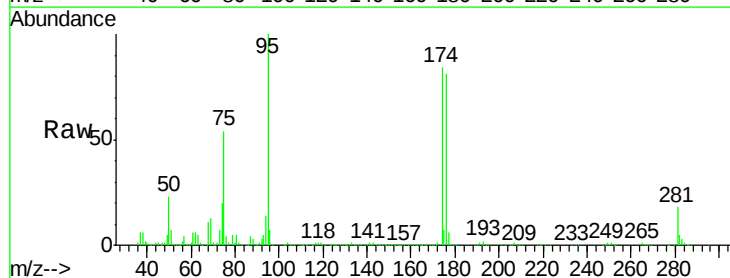
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

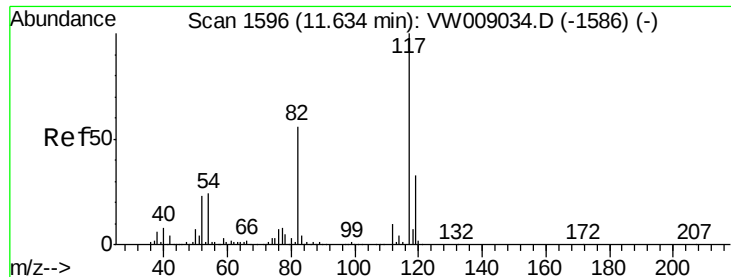
Tgt Ion: 107 Resp: 213242
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 101.799 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion: 95 Resp: 415593
 Ion Ratio Lower Upper
 95 100
 174 80.5 0.0 167.0
 176 79.6 0.0 159.4

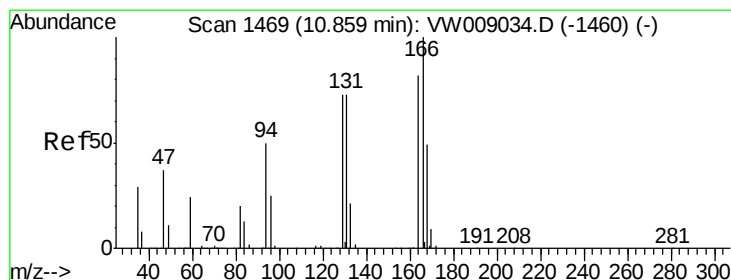
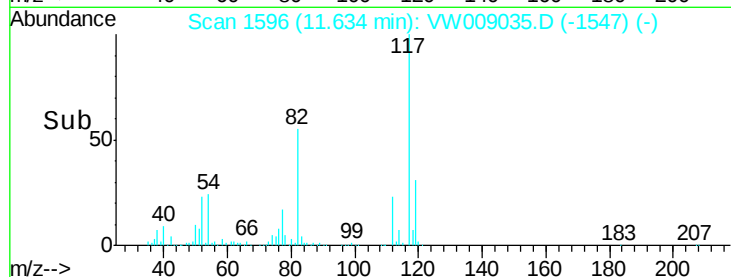
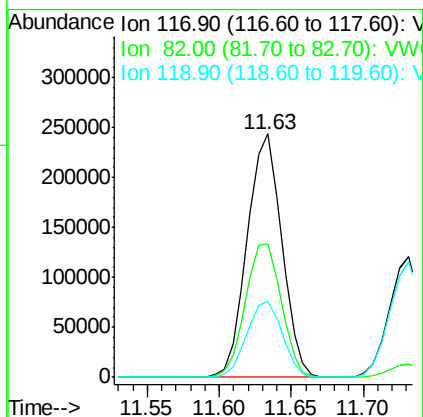
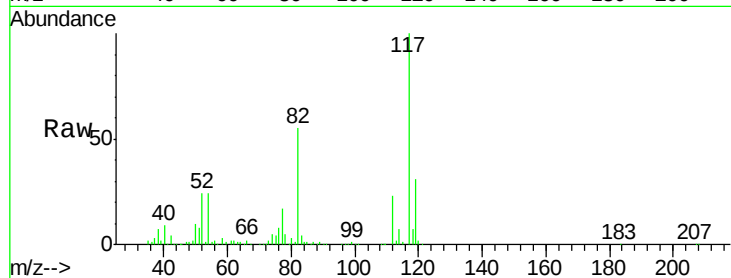




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

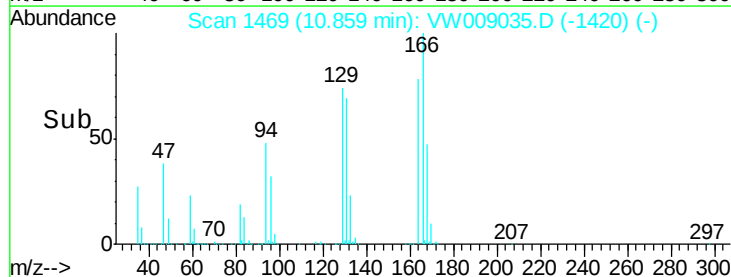
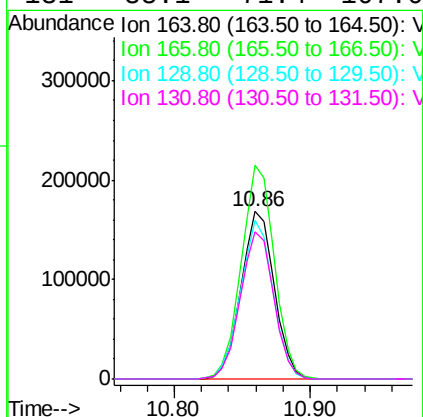
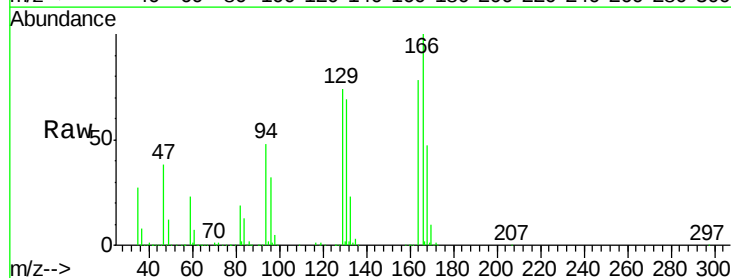
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

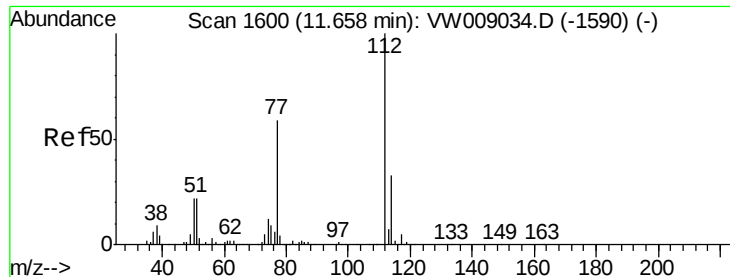
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.7	45.0	67.6
119	31.3	26.6	39.8



#64
Tetrachloroethene
Concen: 97.864 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	97.8	146.6
129	94.6	71.6	107.4
131	88.1	71.4	107.0

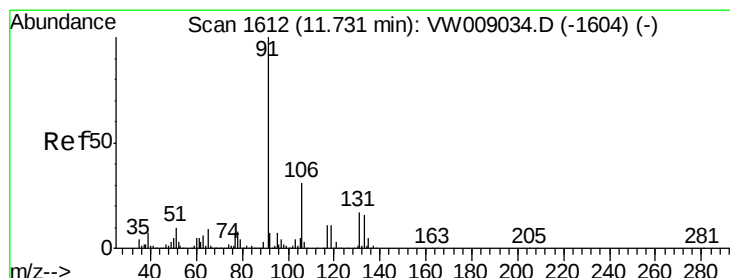
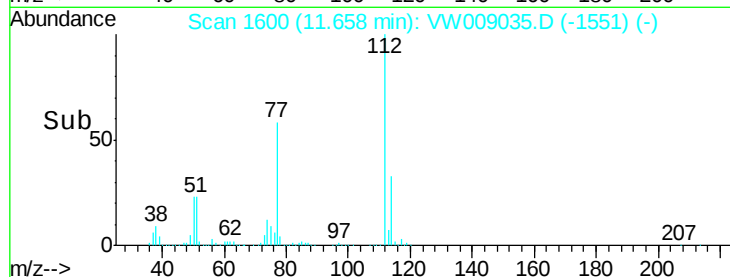
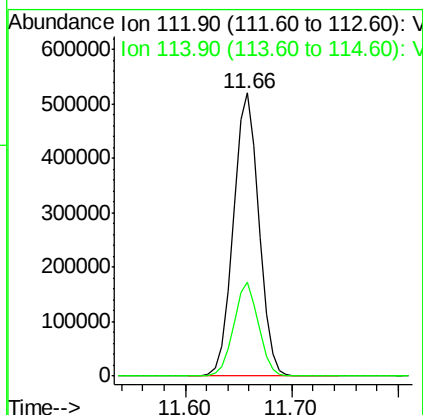
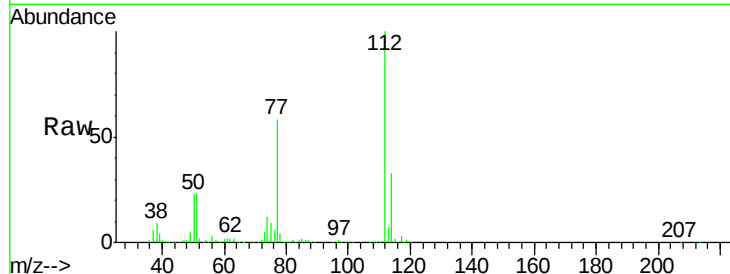




#65
Chlorobenzene
Concen: 99.774 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

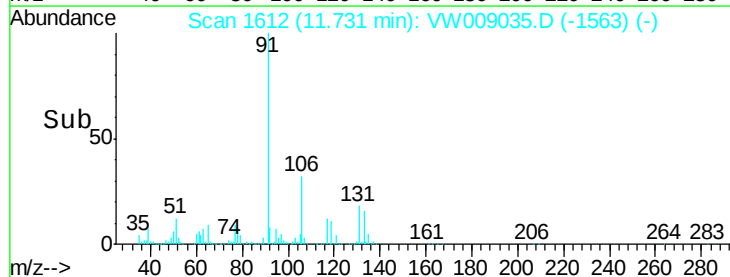
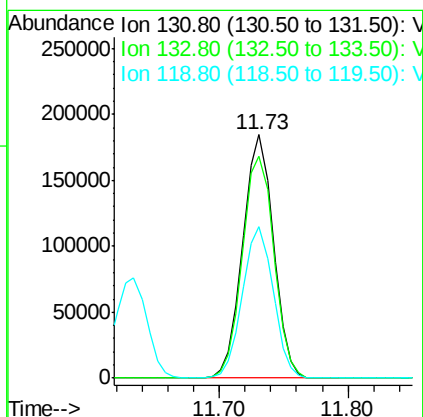
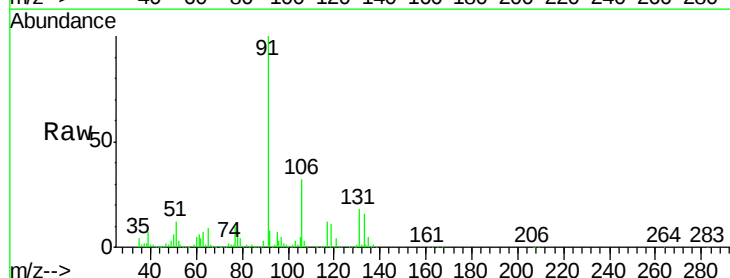
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

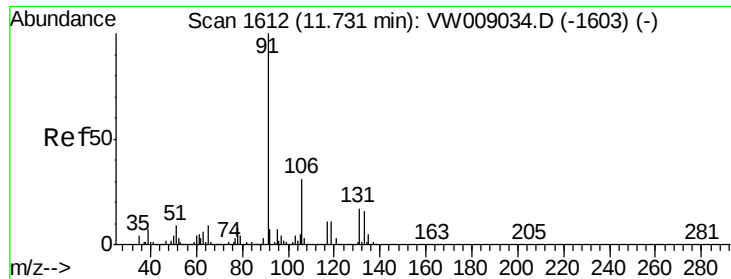
Tgt Ion:112 Resp: 872249
Ion Ratio Lower Upper
112 100
114 33.2 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 104.238 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion:131 Resp: 303813
Ion Ratio Lower Upper
131 100
133 94.1 47.6 142.8
119 62.4 31.3 93.8

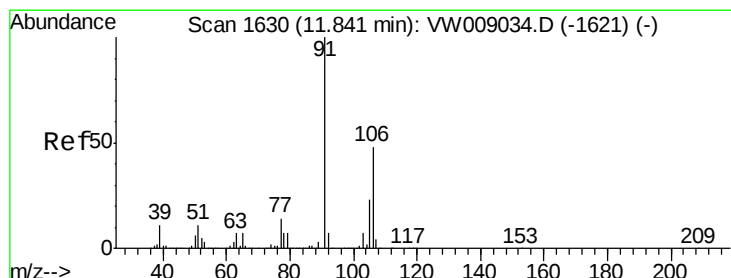
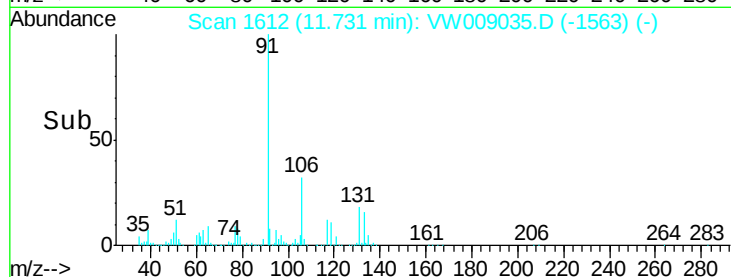
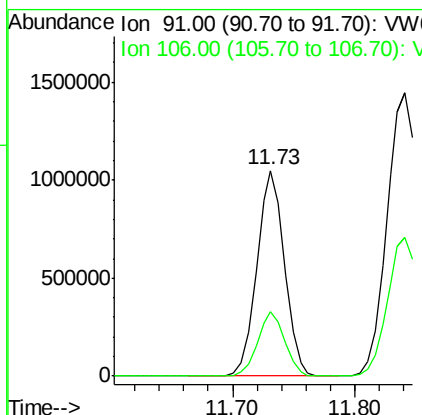
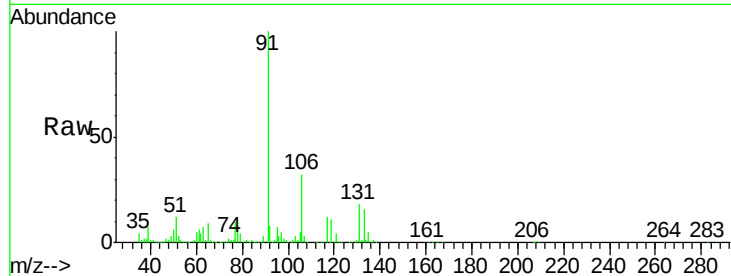




#67
Ethyl Benzene
Concen: 104.686 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

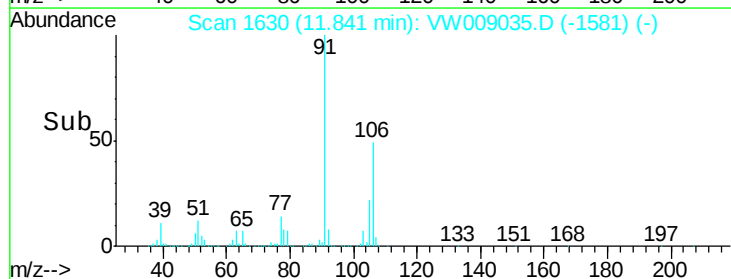
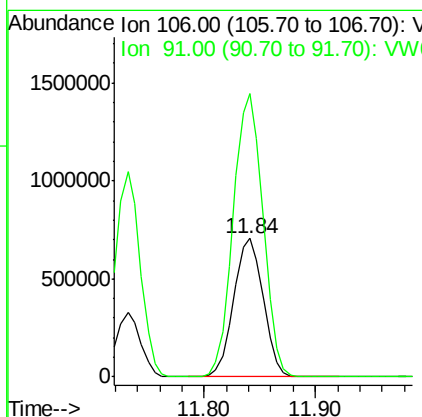
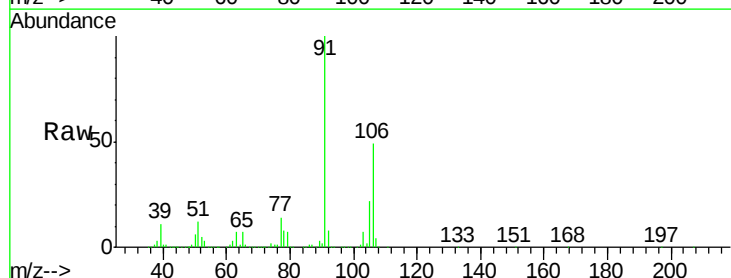
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

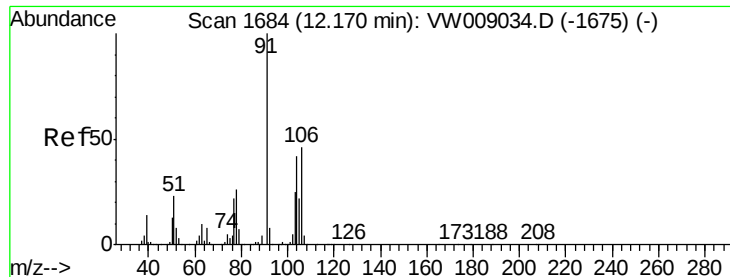
Tgt Ion: 91 Resp: 1644348
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.4



#68
m/p-Xylenes
Concen: 209.201 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion: 106 Resp: 1298694
Ion Ratio Lower Upper
106 100
91 205.4 163.2 244.8

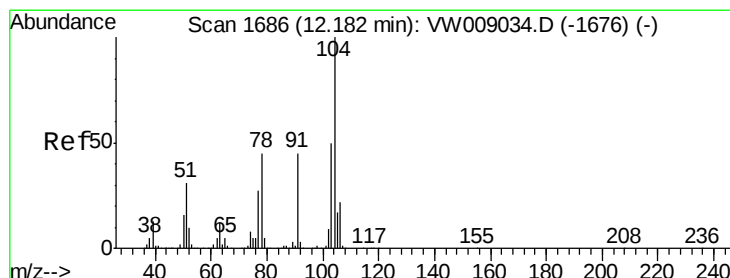
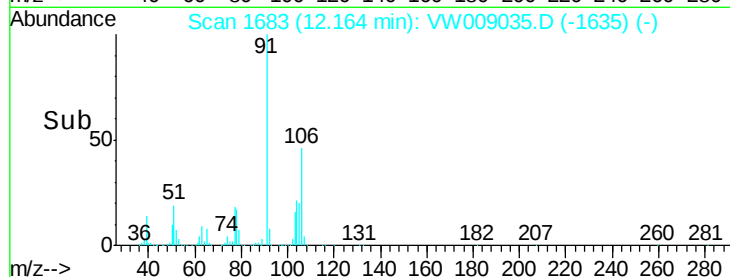
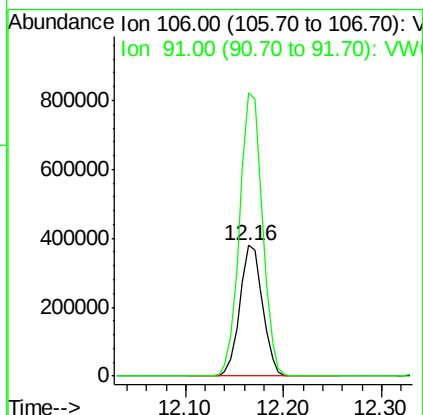
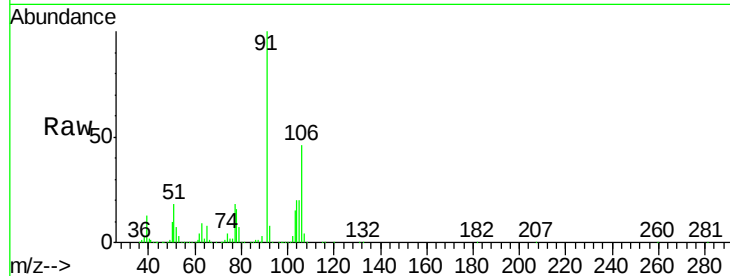




#69
o-Xylene
Concen: 106.090 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

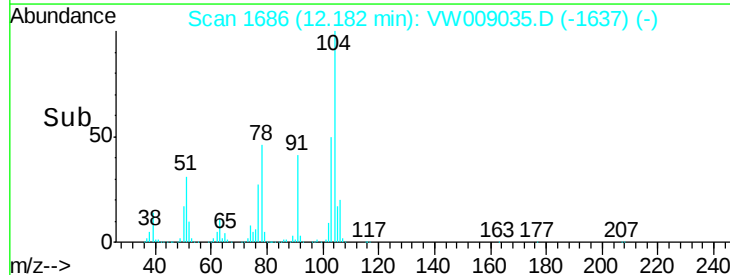
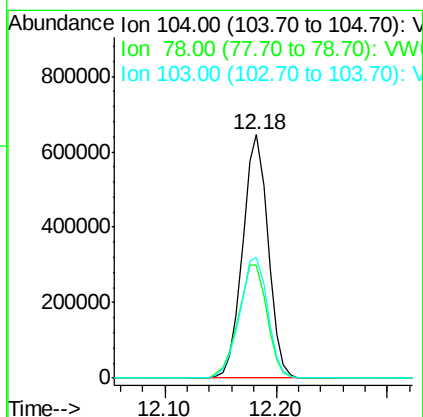
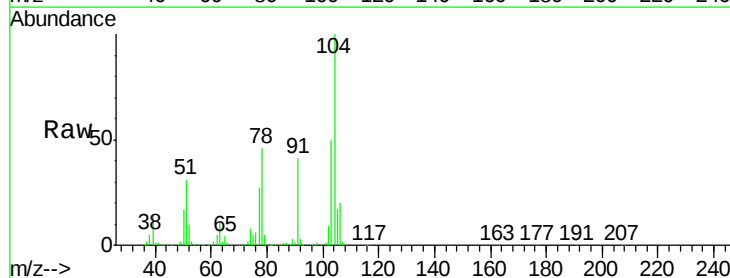
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

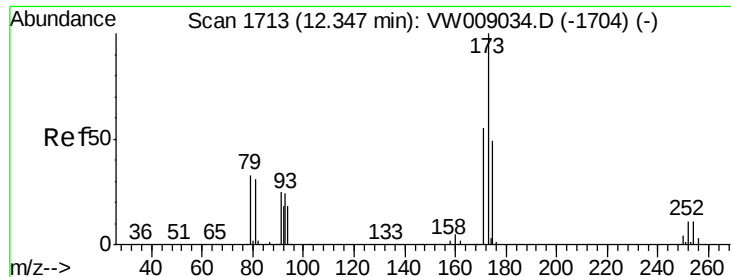
Tgt Ion:106 Resp: 613982
Ion Ratio Lower Upper
106 100
91 216.9 108.6 325.6



#70
Styrene
Concen: 108.658 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion:104 Resp: 1023717
Ion Ratio Lower Upper
104 100
78 52.6 42.1 63.1
103 54.9 43.9 65.9





#71

Bromoform

Concen: 109.260 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

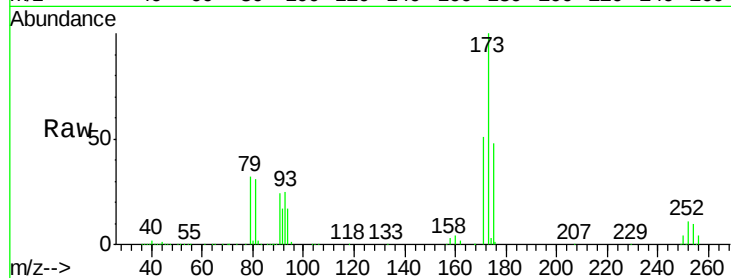
Tgt Ion:173 Resp: 172681

Ion Ratio Lower Upper

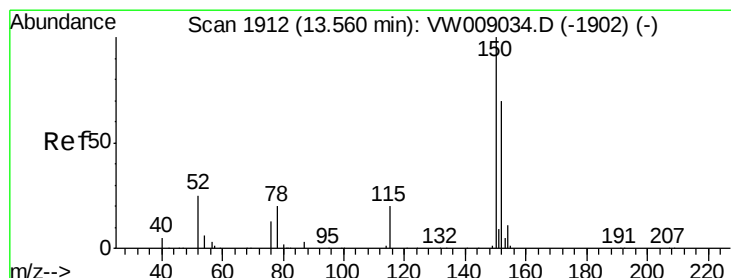
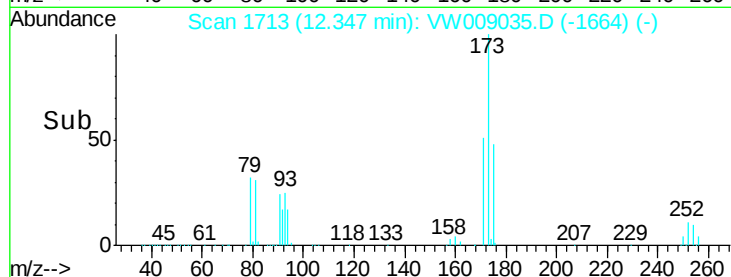
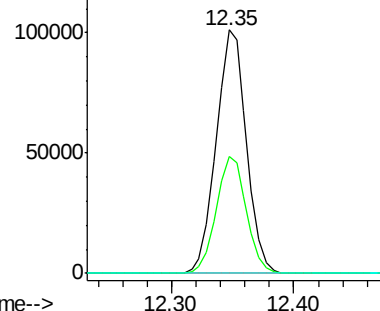
173 100

175 47.8 24.6 74.0

254 0.2 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

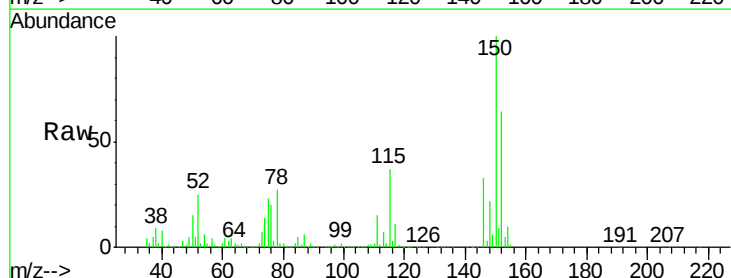
Tgt Ion:152 Resp: 229204

Ion Ratio Lower Upper

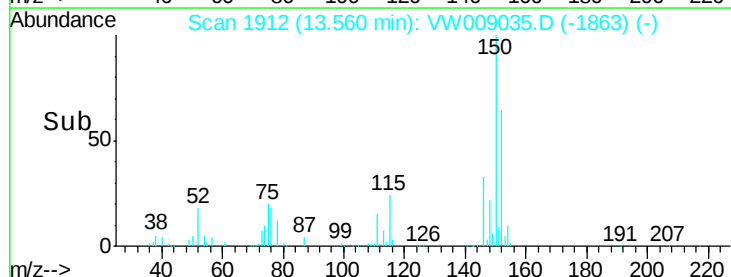
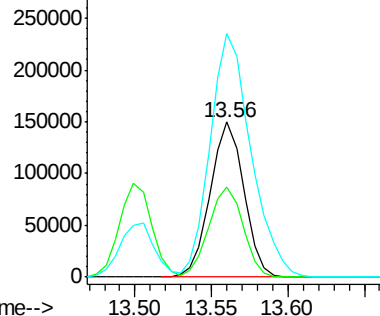
152 100

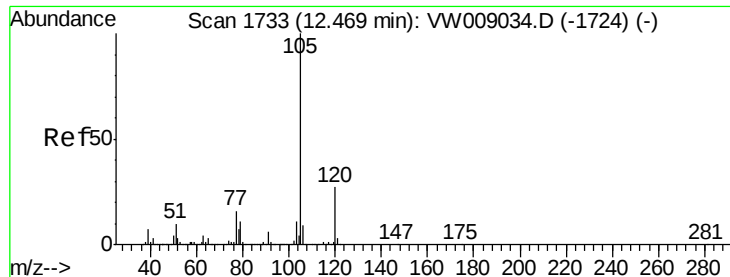
115 59.1 28.9 86.7

150 189.4 0.0 349.2



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





#73

Isopropylbenzene

Concen: 104.563 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

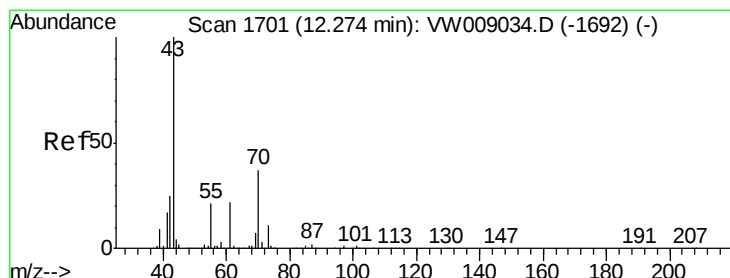
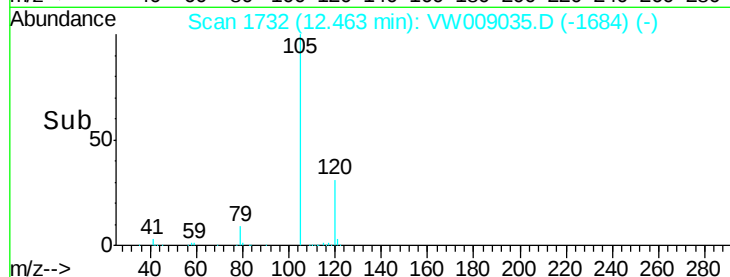
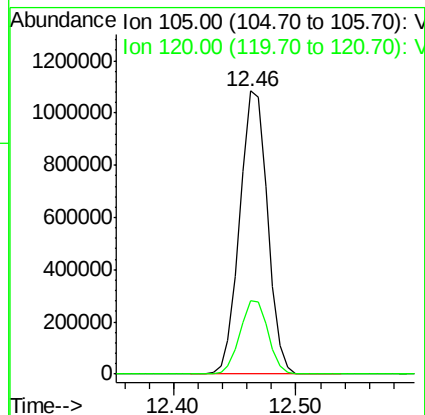
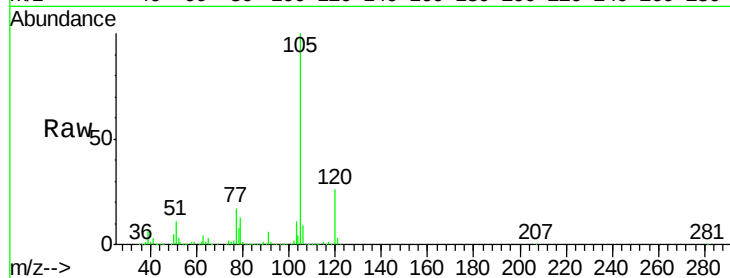
VSTDIC100

Tgt Ion: 105 Resp: 1703070

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



#74

N-ethyl acetate

Concen: 111.497 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Tgt Ion: 43 Resp: 434103

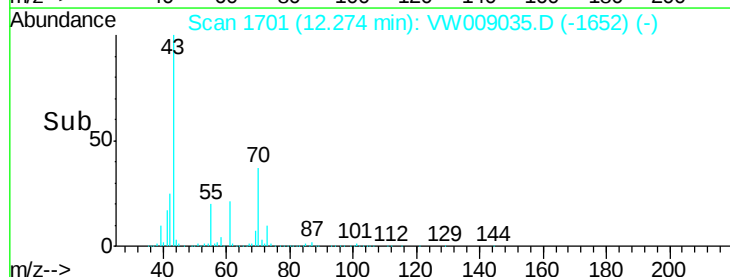
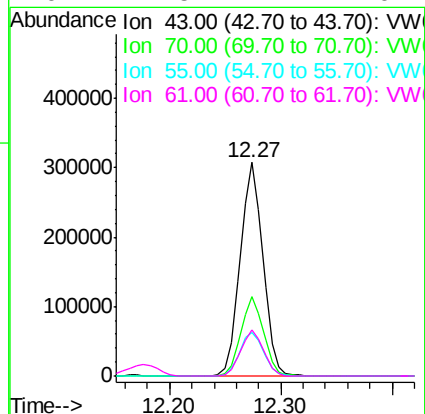
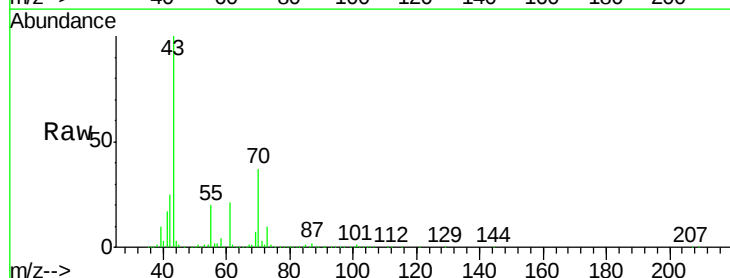
Ion Ratio Lower Upper

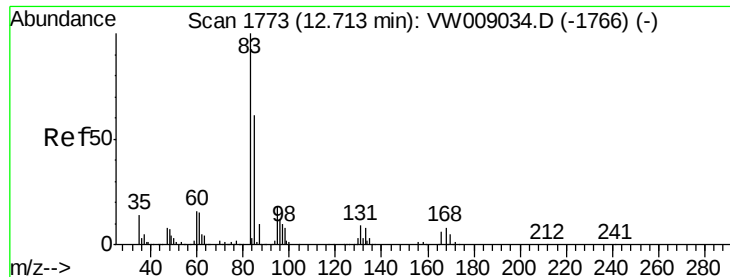
43 100

70 37.2 30.8 46.2

55 21.8 17.8 26.8

61 21.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 100.539 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

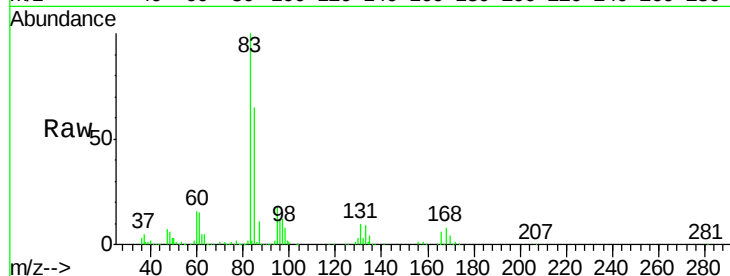
Tgt Ion: 83 Resp: 260473

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.7

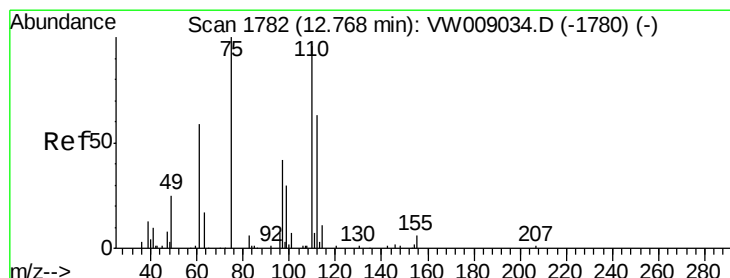
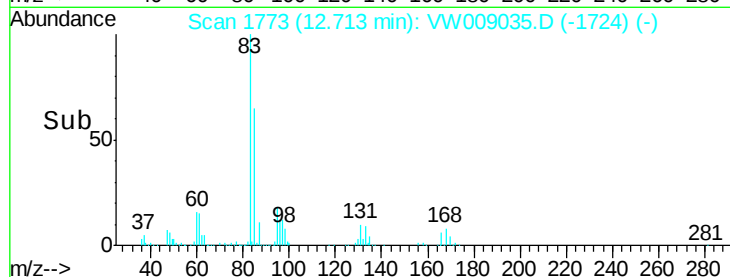
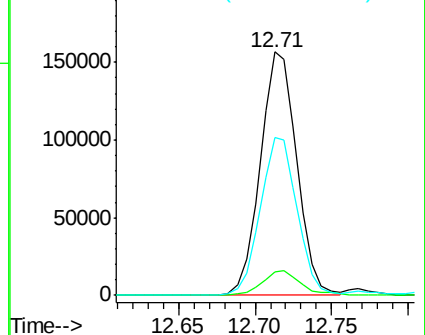
85 65.1 31.7 95.1



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: 147.196 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009035.D

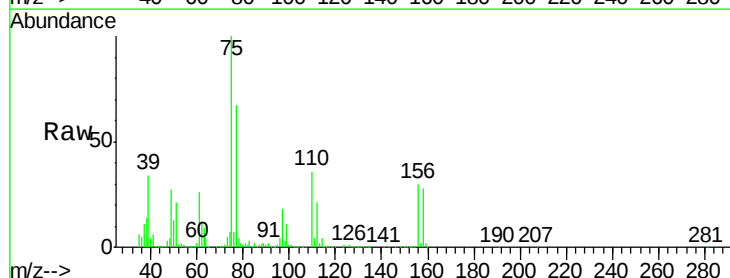
Acq: 07 Mar 2019 12:38

Tgt Ion: 75 Resp: 375670

Ion Ratio Lower Upper

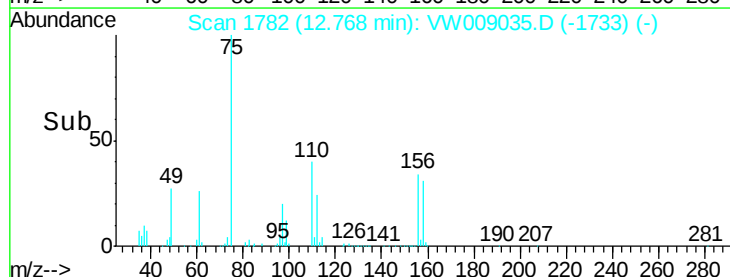
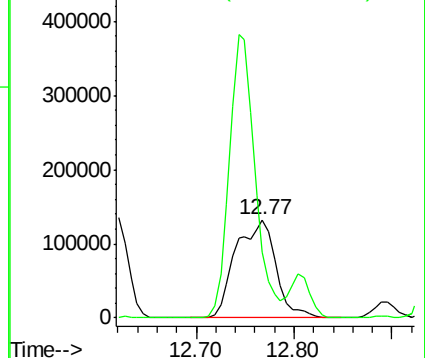
75 100

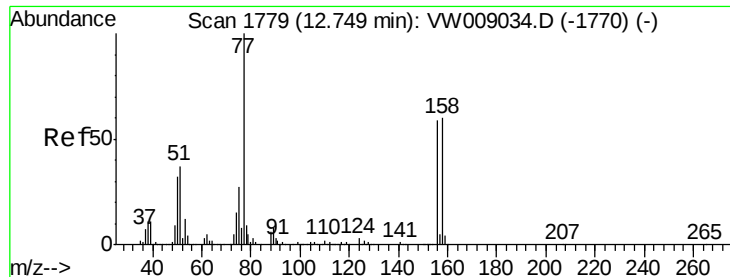
77 0.0 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 99.793 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

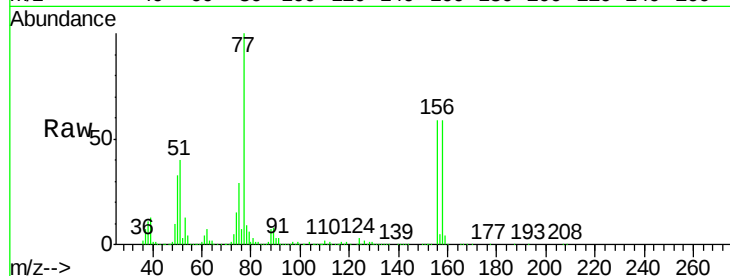
Tgt Ion:156 Resp: 371661

Ion Ratio Lower Upper

156 100

77 188.0 93.0 279.2

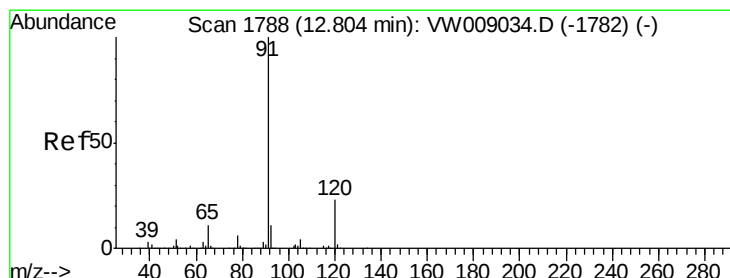
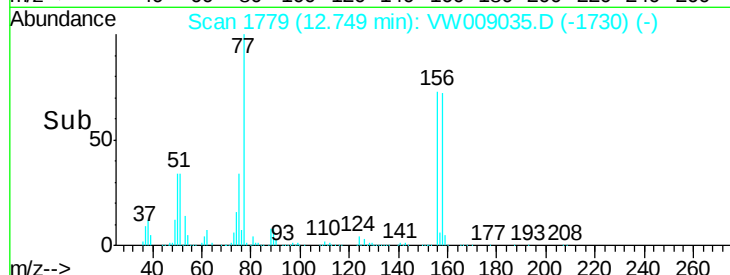
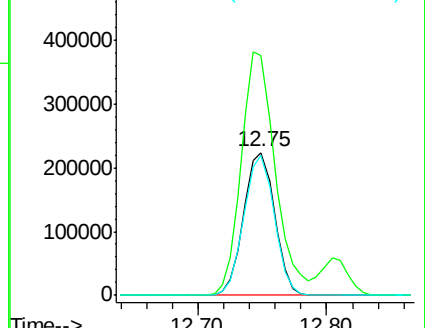
158 97.0 50.0 149.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 104.807 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009035.D

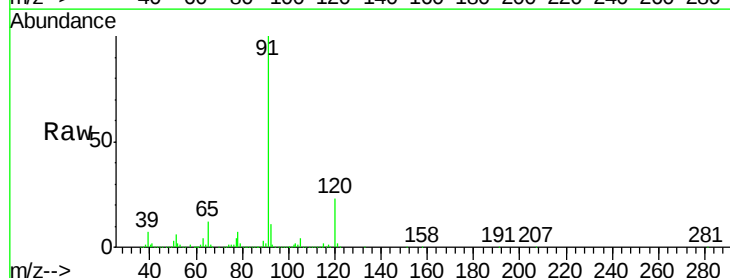
Acq: 07 Mar 2019 12:38

Tgt Ion: 91 Resp: 2095596

Ion Ratio Lower Upper

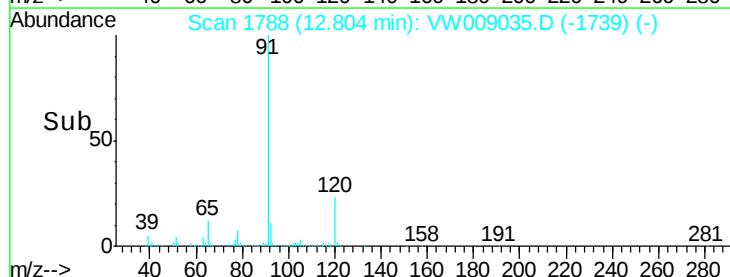
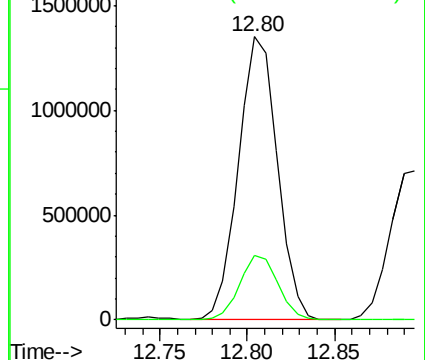
91 100

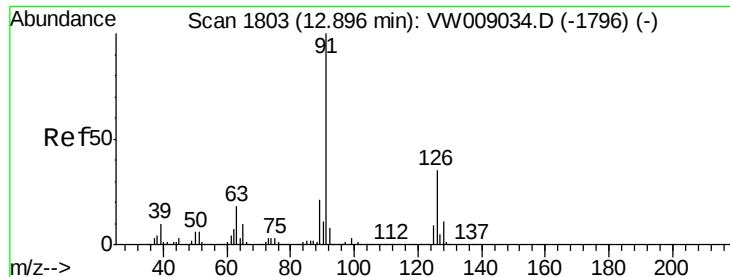
120 22.6 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

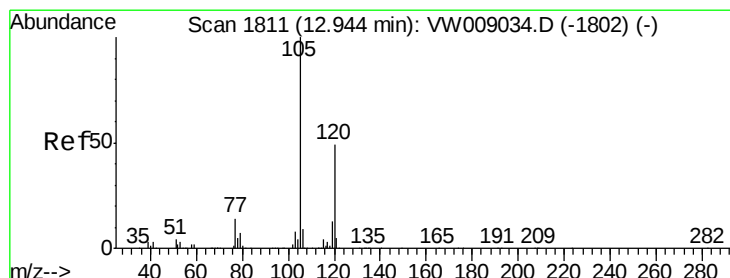
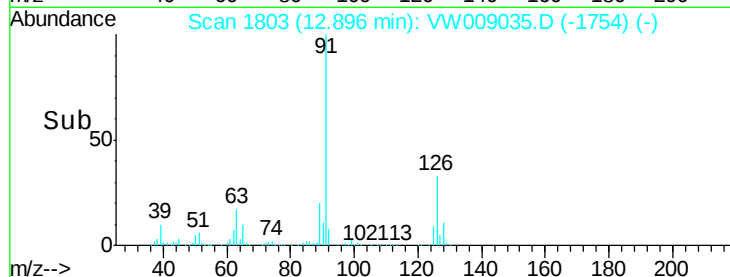
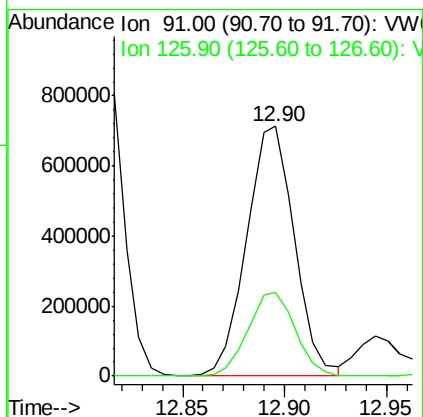
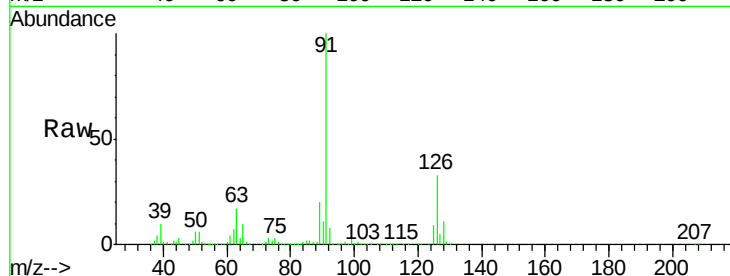




#79
2-Chlorotoluene
Concen: 103.278 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

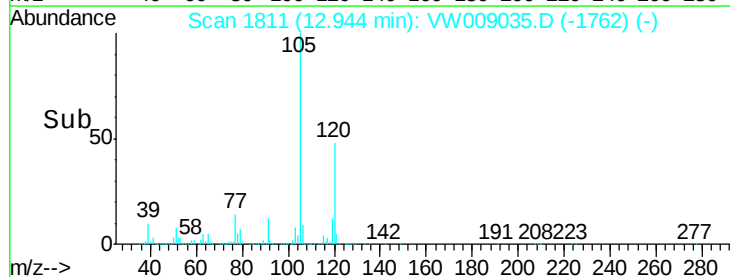
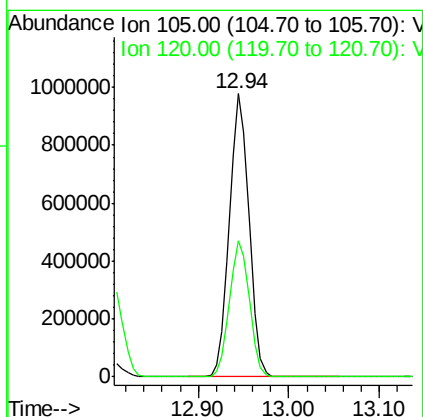
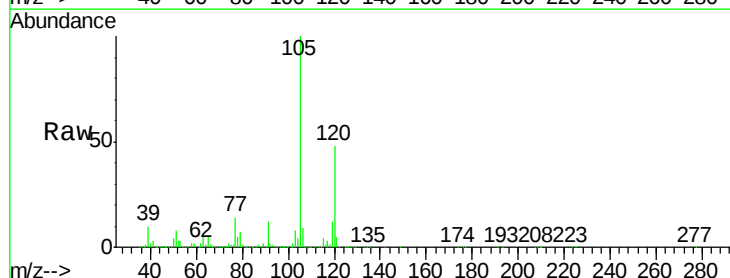
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

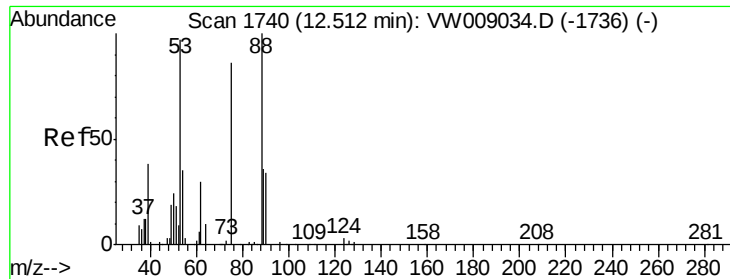
Tgt Ion: 91 Resp: 1160373
Ion Ratio Lower Upper
91 100
126 33.4 16.8 50.4



#80
1,3,5-Trimethylbenzene
Concen: 104.617 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion: 105 Resp: 1468560
Ion Ratio Lower Upper
105 100
120 48.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 108.475 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

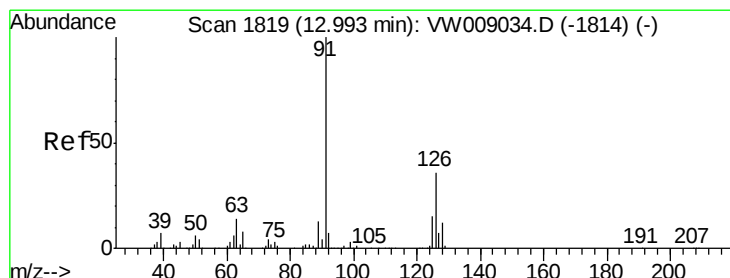
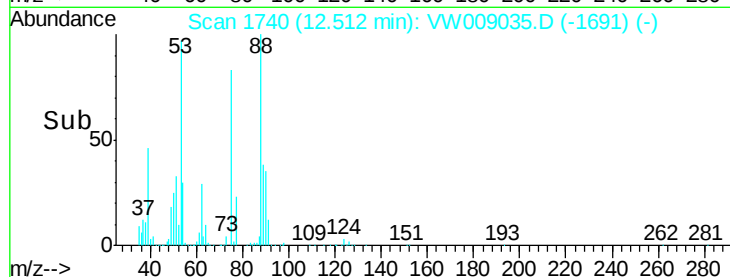
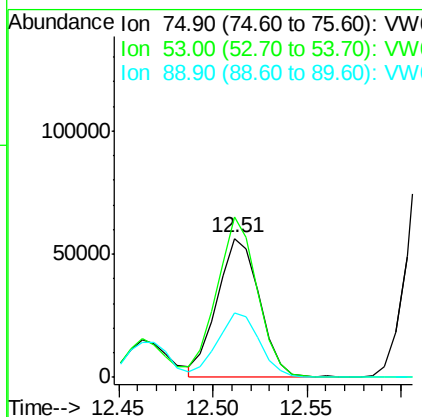
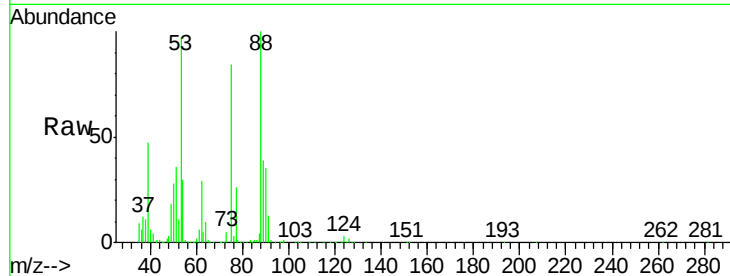
Tgt Ion: 75 Resp: 87150

Ion Ratio Lower Upper

75 100

53 111.1 90.5 135.7

89 46.4 37.5 56.3



#82

4-Chlorotoluene

Concen: 103.978 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW009035.D

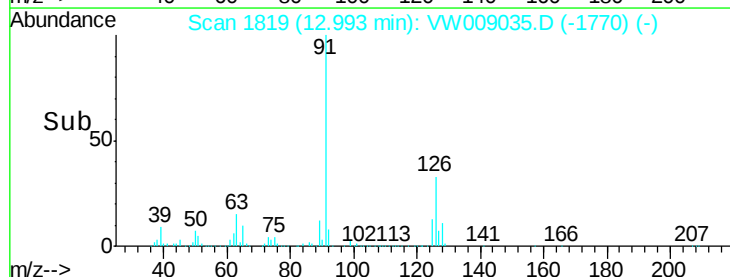
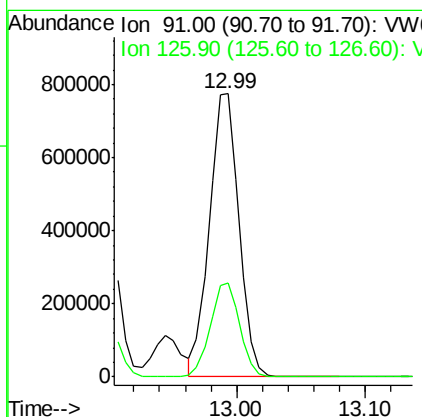
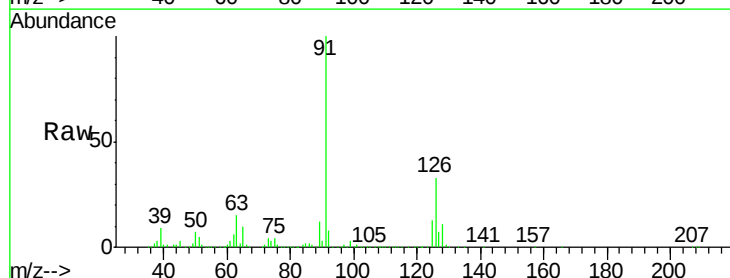
Acq: 07 Mar 2019 12:38

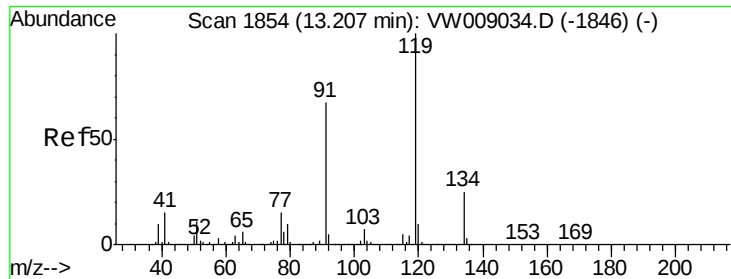
Tgt Ion: 91 Resp: 1244749

Ion Ratio Lower Upper

91 100

126 33.1 16.6 49.8

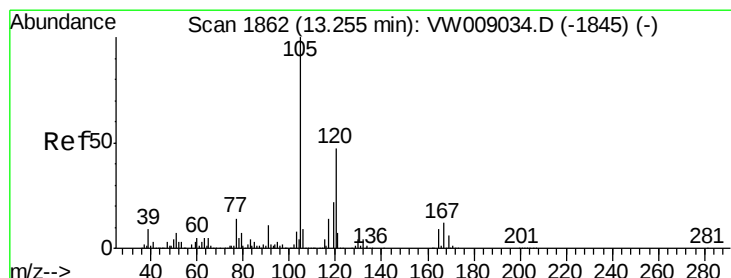
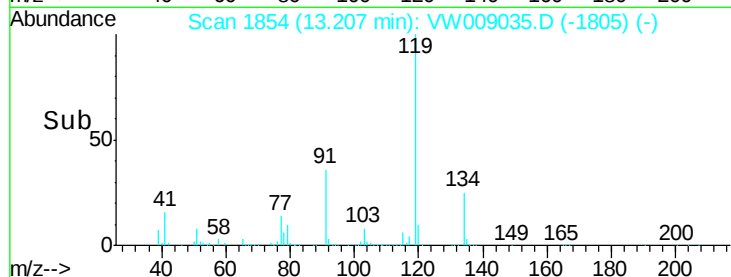
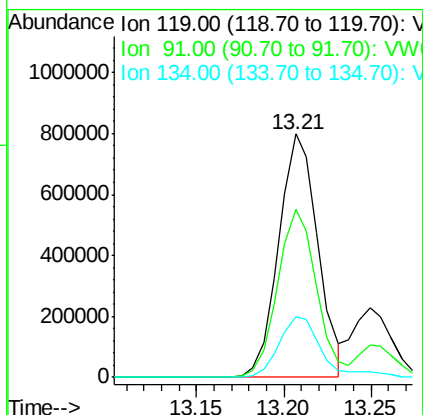
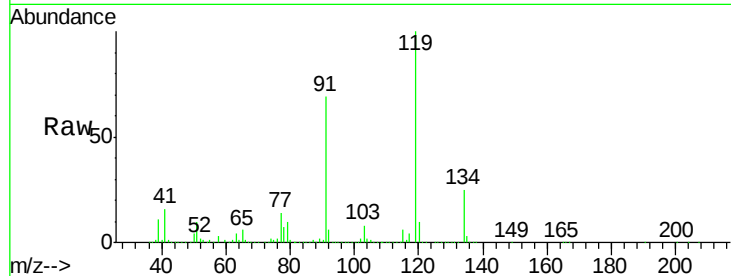




#83
 tert-Butylbenzene
 Concen: 105.780 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

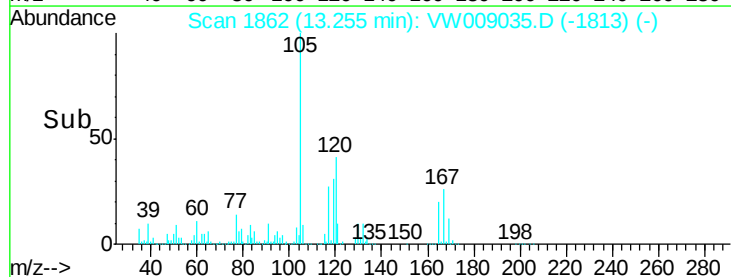
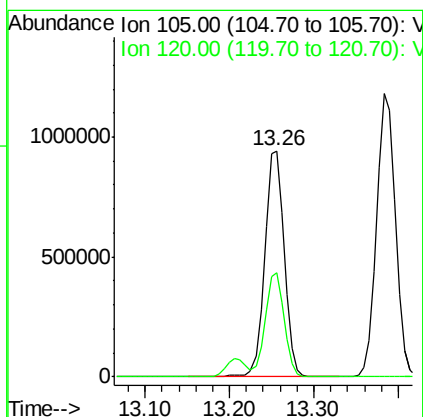
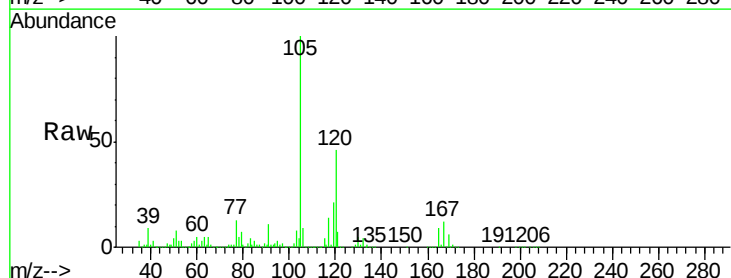
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

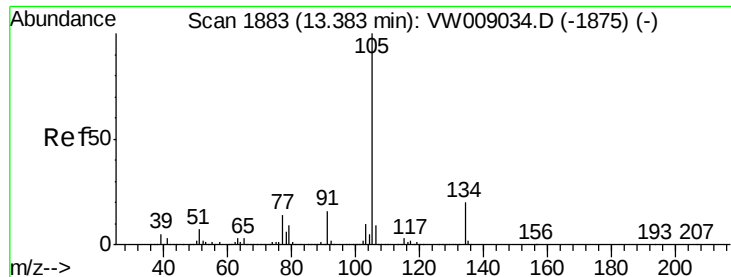
Tgt Ion:119 Resp: 1247291
 Ion Ratio Lower Upper
 119 100
 91 69.1 34.2 102.5
 134 27.4 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 105.950 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion:105 Resp: 1501422
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.8 68.4

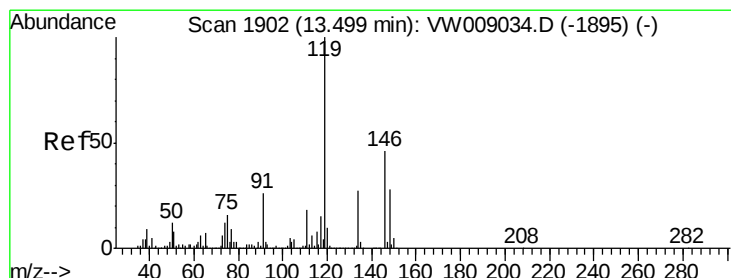
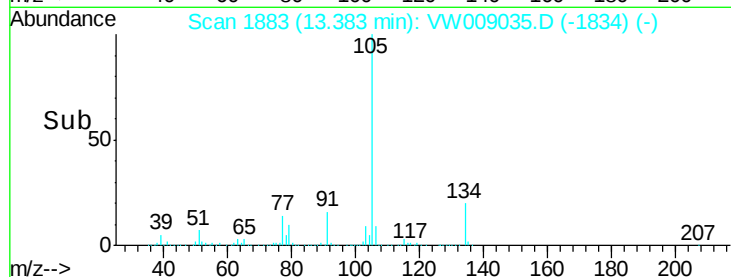
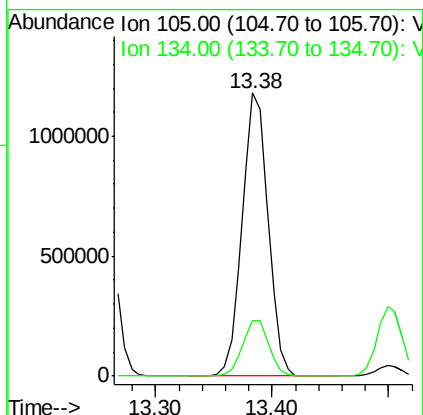
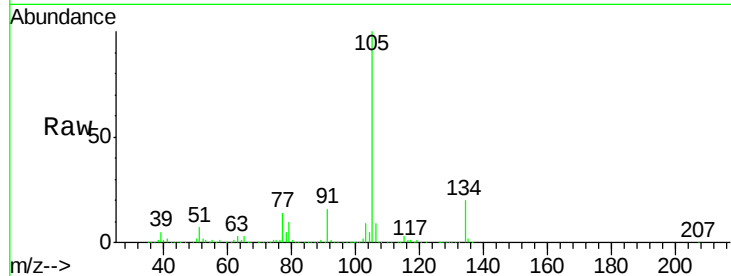




#85
 sec-Butylbenzene
 Concen: 105.125 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

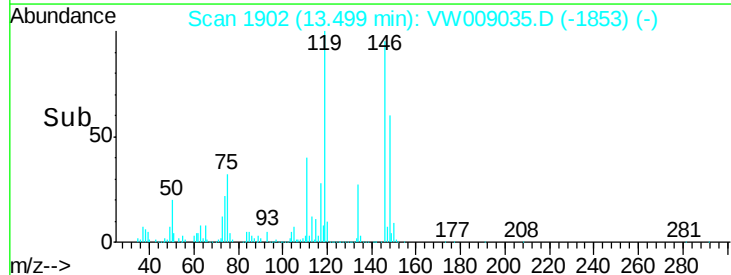
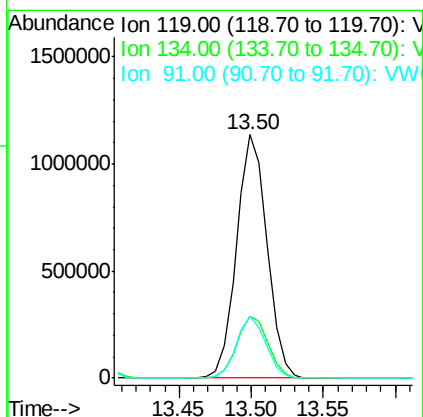
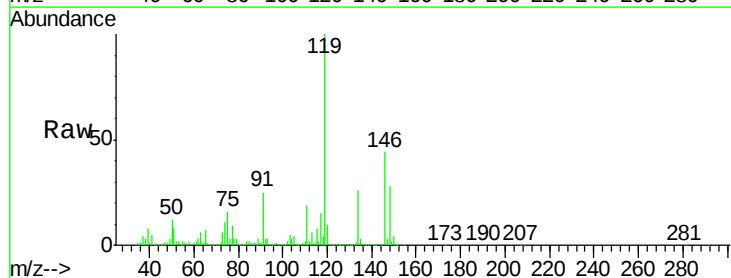
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

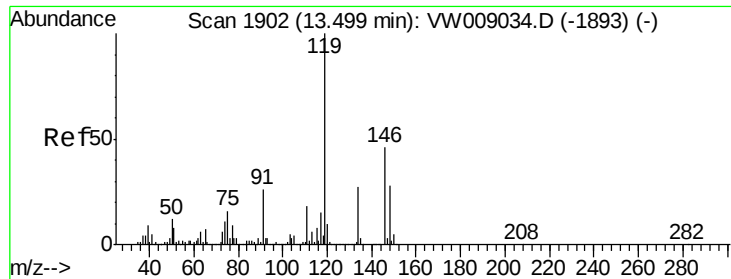
Tgt Ion:105 Resp: 1836709
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 106.210 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion:119 Resp: 1663321
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.3 39.9
 91 24.8 12.3 36.9

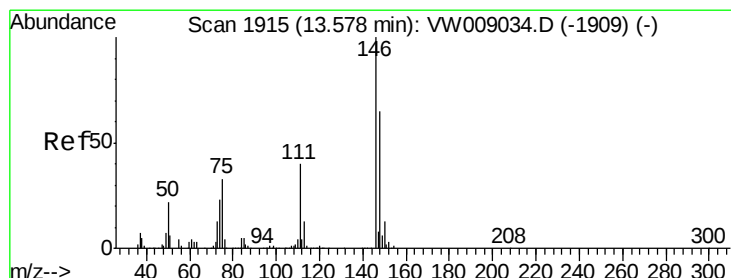
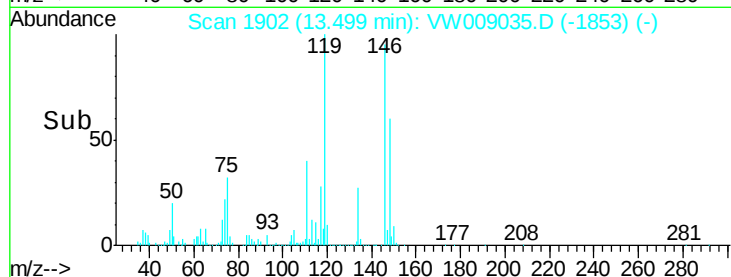
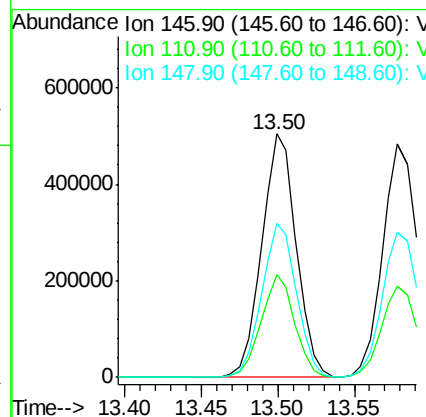
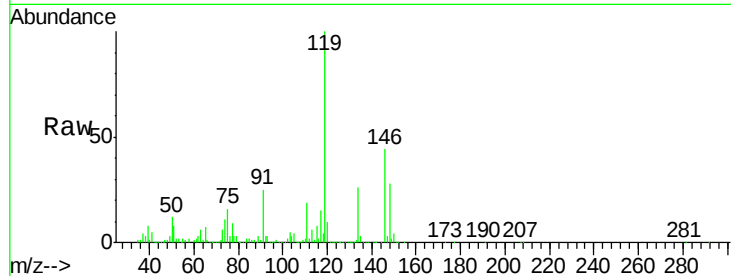




#87
 1,3-Dichlorobenzene
 Concen: 101.435 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

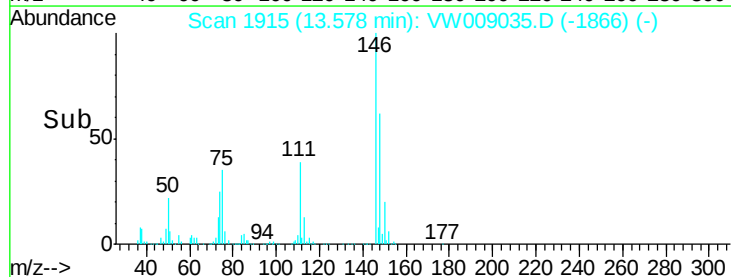
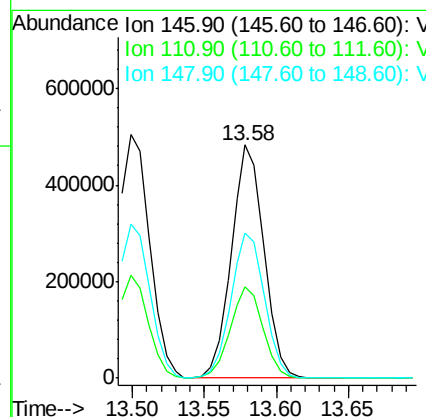
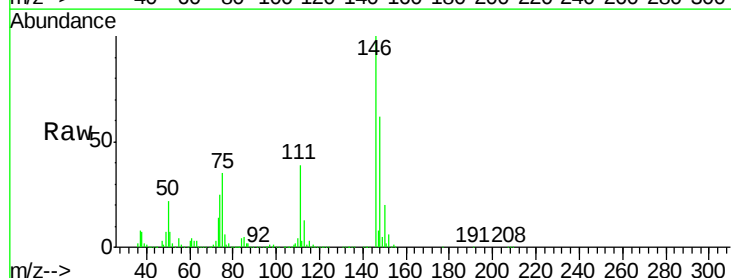
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

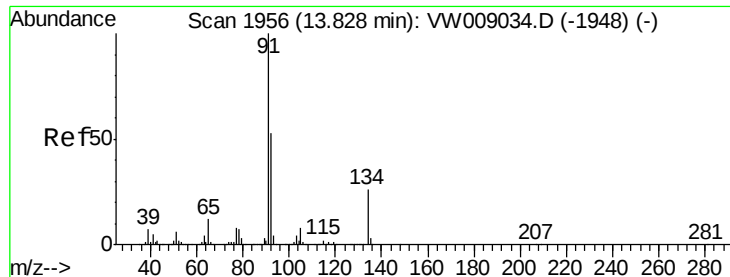
Tgt Ion:146 Resp: 792136
 Ion Ratio Lower Upper
 146 100
 111 41.1 19.8 59.4
 148 63.7 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 98.808 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion:146 Resp: 762261
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 64.1 32.2 96.6





#89

n-Butylbenzene

Concen: 105.377 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

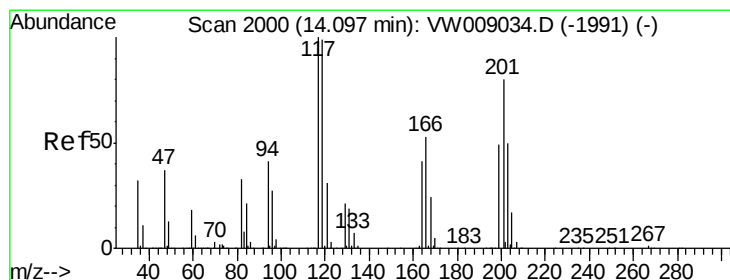
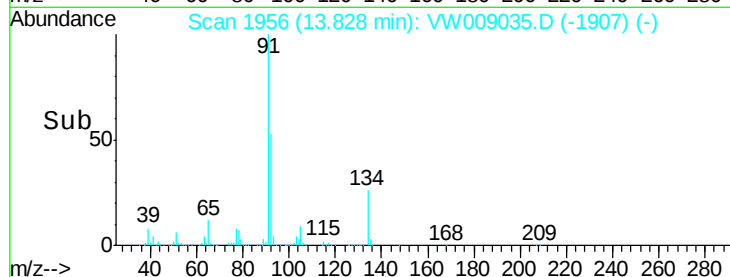
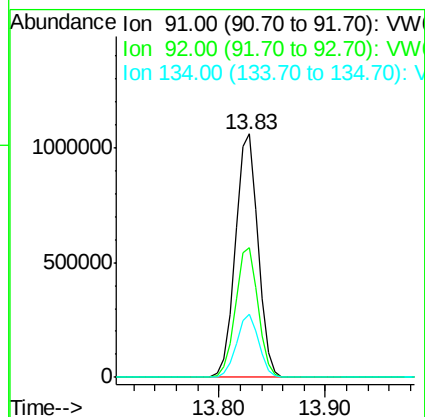
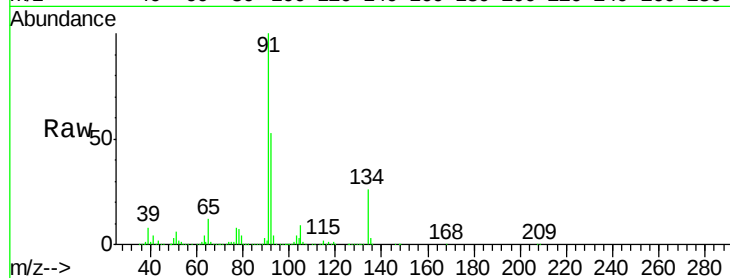
Tgt Ion: 91 Resp: 1573281

Ion Ratio Lower Upper

91 100

92 53.5 26.8 80.3

134 25.7 12.9 38.7



#90

Hexachloroethane

Concen: 102.682 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009035.D

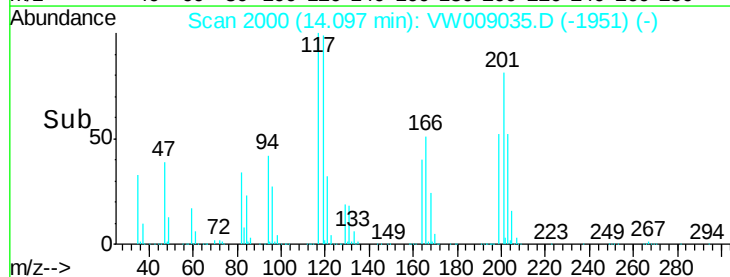
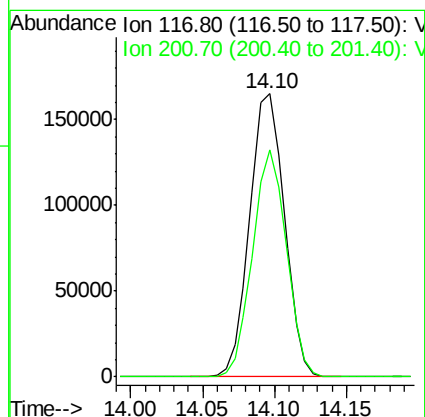
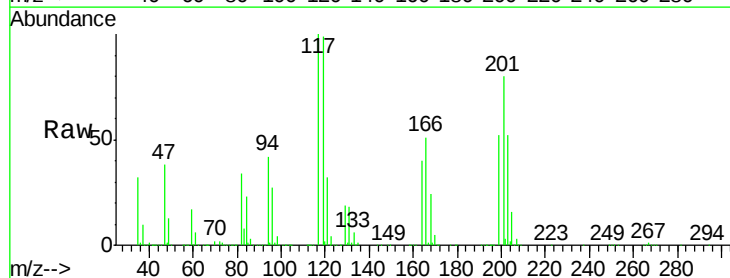
Acq: 07 Mar 2019 12:38

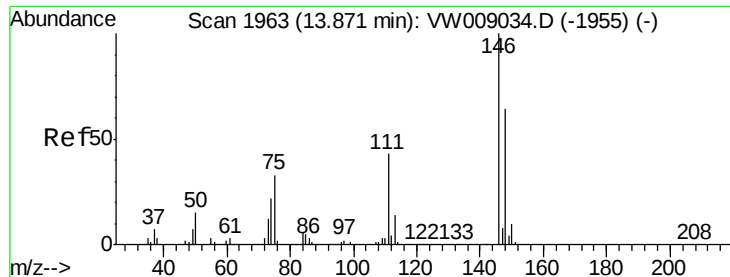
Tgt Ion: 117 Resp: 277001

Ion Ratio Lower Upper

117 100

201 77.8 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 100.291 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

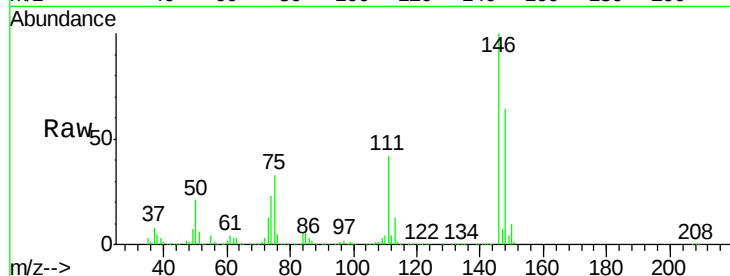
Tgt Ion:146 Resp: 686047

Ion Ratio Lower Upper

146 100

111 41.4 21.1 63.1

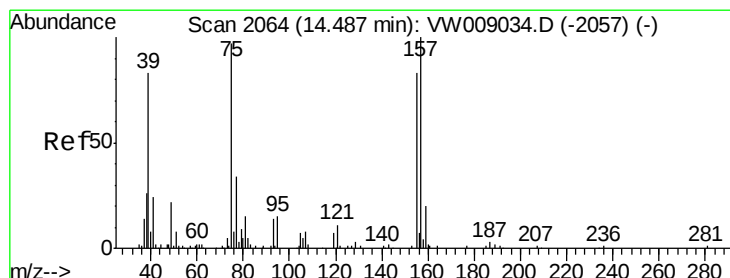
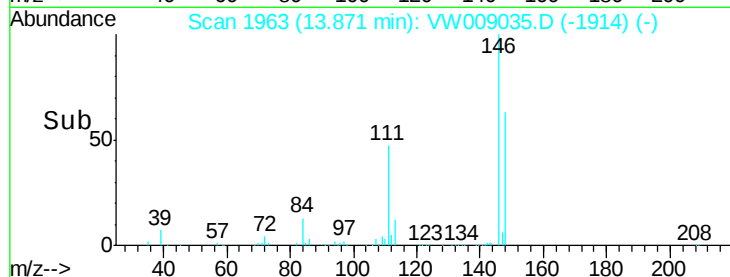
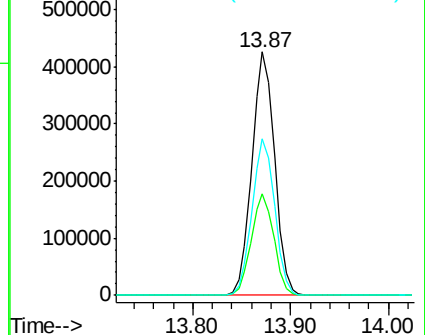
148 64.0 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 95.455 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

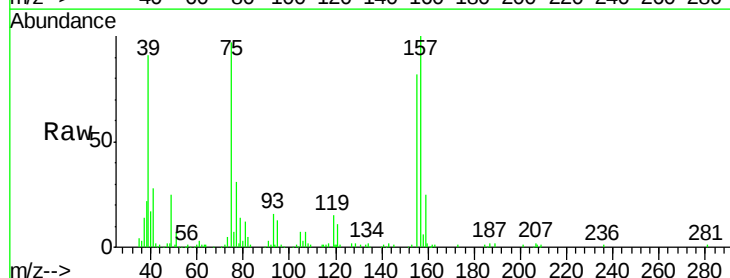
Tgt Ion: 75 Resp: 45909

Ion Ratio Lower Upper

75 100

155 81.9 40.8 122.4

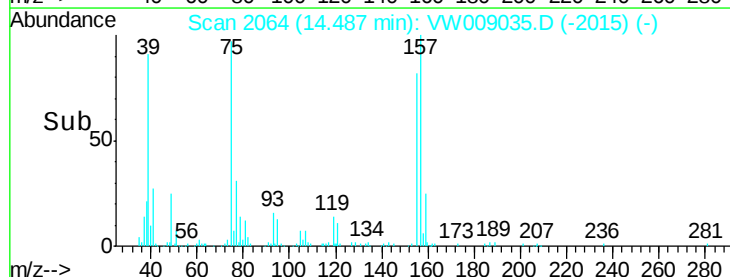
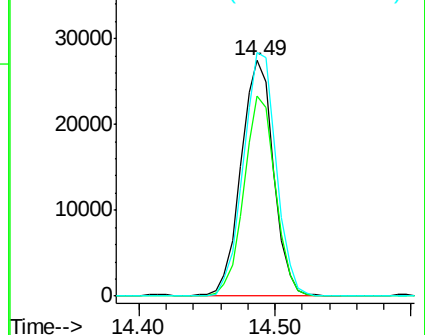
157 104.2 52.4 157.3

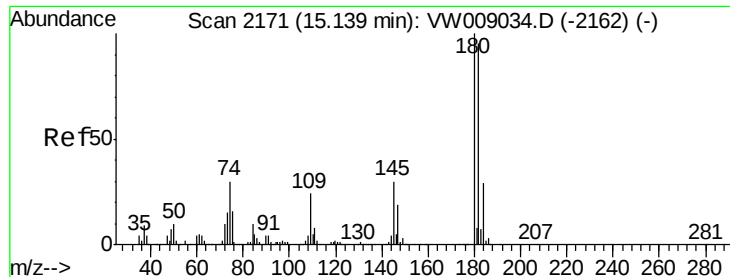


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

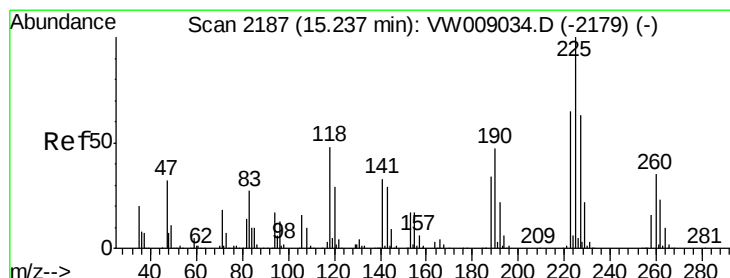
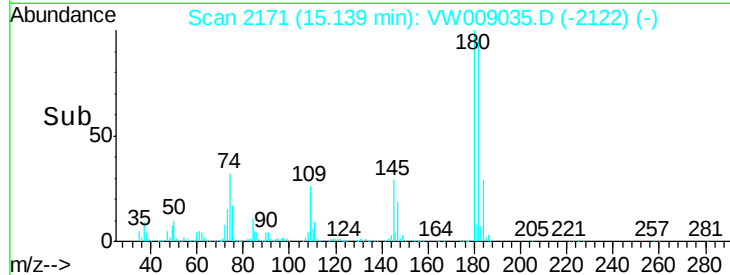
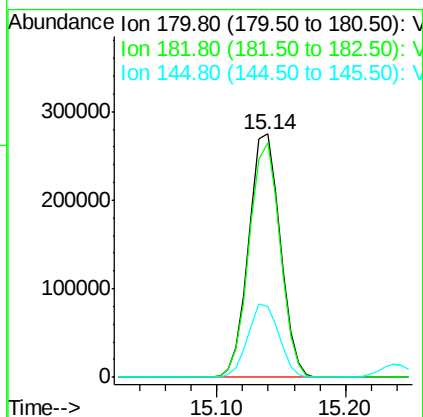
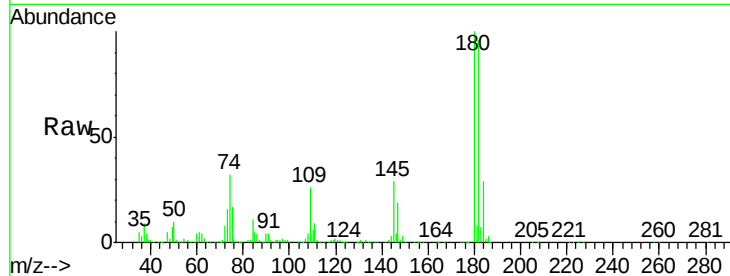




#93
 1,2,4-Trichlorobenzene
 Concen: 99.033 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

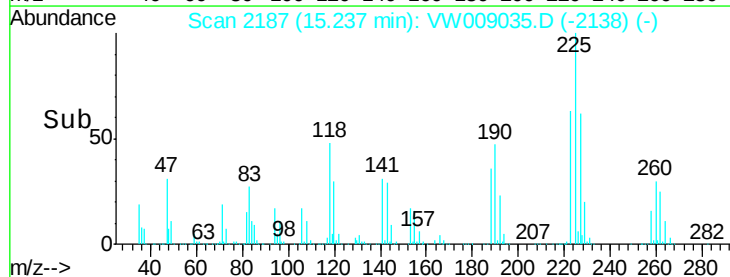
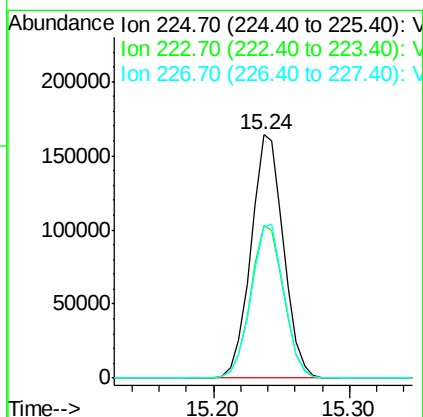
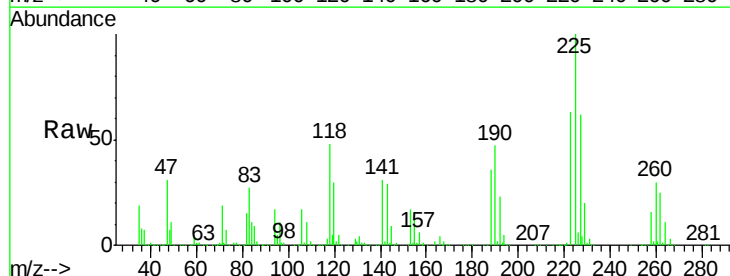
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

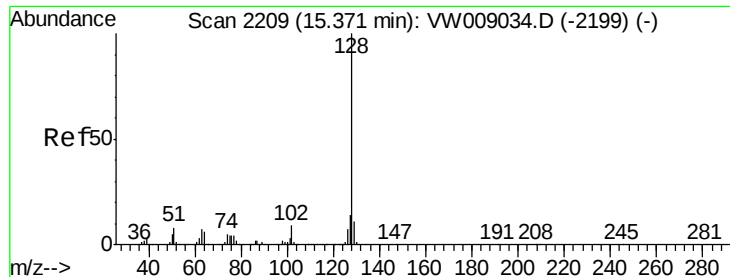
Tgt Ion:180 Resp: 463251
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.1 144.3
 145 29.9 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 93.832 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion:225 Resp: 274348
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.6 94.8
 227 64.4 32.0 96.2

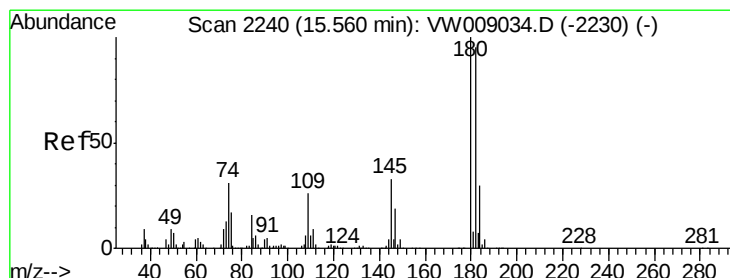
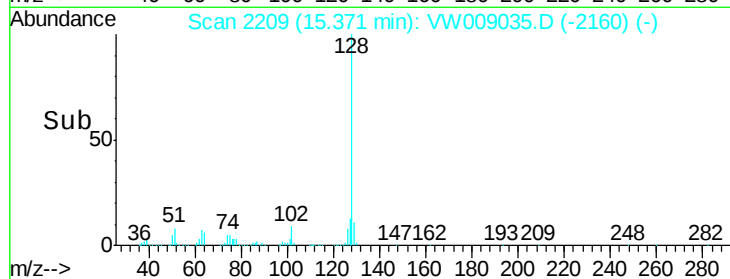
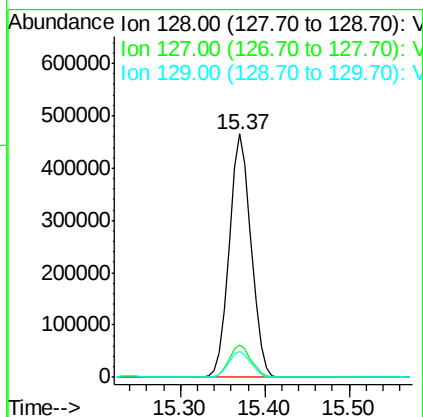
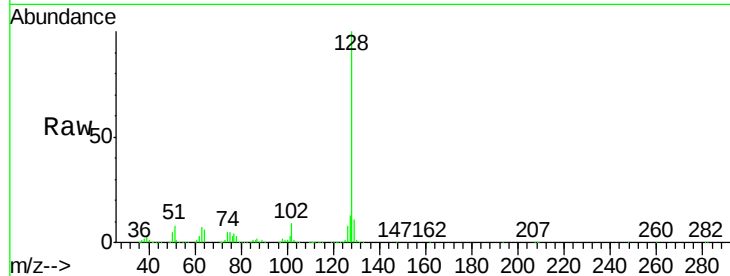




#95
Naphthalene
Concen: 105.643 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 818713
Ion Ratio Lower Upper
128 100
127 13.5 11.0 16.6
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 95.916 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion:180 Resp: 393973
Ion Ratio Lower Upper
180 100
182 95.1 48.1 144.3
145 31.9 15.8 47.3

