

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
 Data File : VW009566.D
 Acq On : 29 Mar 2019 10:48
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 29 12:19:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 12:17:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	297787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	459201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	426347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	230826	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	66420	19.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.44%	
35) Dibromofluoromethane	7.88	113	57021	19.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.34%	
50) Toluene-d8	10.32	98	208789	18.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.32%	
62) 4-Bromofluorobenzene	12.62	95	77120	18.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.96%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	43961	25.248	ug/l 94
3) Chloromethane	2.21	50	51367	22.295	ug/l 99
4) Vinyl Chloride	2.37	62	69154	21.867	ug/l 98
5) Bromomethane	2.78	94	54182	22.683	ug/l 88
6) Chloroethane	2.92	64	53462	22.363	ug/l 98
7) Trichlorofluoromethane	3.25	101	45921	20.928	ug/l 100
8) Diethyl Ether	3.67	74	31113	20.070	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	65085	22.214	ug/l 99
10) Methyl Iodide	4.27	142	86698	21.066	ug/l 96
11) Tert butyl alcohol	5.17	59	18935	99.230	ug/l 96
12) 1,1-Dichloroethene	4.04	96	59272	21.322	ug/l 99
13) Acrolein	3.88	56	15006	103.905	ug/l 99
14) Allyl chloride	4.66	41	94040	20.509	ug/l 95
15) Acrylonitrile	5.37	53	68541	99.765	ug/l 99
16) Acetone	4.12	43	73194	95.175	ug/l 92
17) Carbon Disulfide	4.37	76	171441	22.077	ug/l 100
18) Methyl Acetate	4.67	43	32479	18.081	ug/l 97
19) Methyl tert-butyl Ether	5.42	73	81123	20.196	ug/l 97
20) Methylene Chloride	4.90	84	69160	22.793	ug/l 94
21) trans-1,2-Dichloroethene	5.42	96	63545	21.270	ug/l 90
22) Diisopropyl ether	6.31	45	200441	20.009	ug/l 98
23) Vinyl Acetate	6.25	43	630871	99.929	ug/l 99
24) 1,1-Dichloroethane	6.21	63	122058	20.796	ug/l 99
25) 2-Butanone	7.17	43	103226	98.590	ug/l 100
26) 2,2-Dichloropropane	7.17	77	70912	21.117	ug/l 97
27) cis-1,2-Dichloroethene	7.17	96	67256	20.324	ug/l 95
28) Bromochloromethane	7.51	49	52398	21.156	ug/l # 94
29) Tetrahydrofuran	7.53	42	62725	95.702	ug/l 97
30) Chloroform	7.67	83	126487	20.955	ug/l 97
31) Cyclohexane	7.95	56	112404	21.453	ug/l 96
32) 1,1,1-Trichloroethane	7.87	97	103791	21.115	ug/l 96
36) 1,1-Dichloropropene	8.08	75	98267	20.560	ug/l 100
37) Ethyl Acetate	7.25	43	45918	20.452	ug/l 100
38) Carbon Tetrachloride	8.06	117	101140	20.899	ug/l 100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	110181	20.008	ug/l	95
40) Benzene	8.32	78	264099	20.430	ug/l	99
41) Methacrylonitrile	7.48	41	22955	17.185	ug/l	94
42) 1,2-Dichloroethane	8.40	62	91134	21.124	ug/l	98
43) Isopropyl Acetate	8.42	43	85819	19.728	ug/l	99
44) Trichloroethene	9.09	130	69087	20.707	ug/l	98
45) 1,2-Dichloropropane	9.37	63	67483	20.473	ug/l	96
46) Dibromomethane	9.46	93	36964	20.975	ug/l	95
47) Bromodichloromethane	9.65	83	94025	20.479	ug/l	97
48) Methyl methacrylate	9.44	41	38277	17.747	ug/l	96
49) 1,4-Dioxane	9.45	88	10861	398.602	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	230073	96.485	ug/l	98
52) Toluene	10.39	92	165840	20.003	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	87351	19.110	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	98773	19.442	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	48113	20.073	ug/l	89
56) Ethyl methacrylate	10.65	69	55130	17.691	ug/l	95
57) 1,3-Dichloropropane	10.93	76	84648	19.642	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	128499	84.168	ug/l	99
59) 2-Hexanone	10.97	43	157646	92.923	ug/l	100
60) Dibromochloromethane	11.13	129	57987	19.924	ug/l	97
61) 1,2-Dibromoethane	11.23	107	46828	20.243	ug/l	99
64) Tetrachloroethene	10.86	164	59030	20.849	ug/l	99
65) Chlorobenzene	11.66	112	182669	20.504	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	67786	20.710	ug/l	99
67) Ethyl Benzene	11.73	91	320910	19.664	ug/l	99
68) m/p-Xylenes	11.84	106	249998	40.312	ug/l	99
69) o-Xylene	12.17	106	113852	19.570	ug/l	100
70) Styrene	12.18	104	191974	19.531	ug/l	99
71) Bromoform	12.35	173	34334	19.438	ug/l	99
73) Isopropylbenzene	12.46	105	326813	19.169	ug/l	100
74) N-amyl acetate	12.27	43	81595	18.979	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	60527	20.130	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	80345	36.803	ug/l #	100
77) Bromobenzene	12.75	156	76890	20.234	ug/l	98
78) n-propylbenzene	12.80	91	404728	19.270	ug/l	99
79) 2-Chlorotoluene	12.90	91	231277	19.597	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	279382	19.364	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	17786	19.020	ug/l	95
82) 4-Chlorotoluene	12.99	91	241382	19.421	ug/l	100
83) tert-Butylbenzene	13.21	119	235623	19.194	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	291772	19.585	ug/l	98
85) sec-Butylbenzene	13.39	105	354189	18.998	ug/l	100
86) p-Isopropyltoluene	13.50	119	313504	19.347	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	157677	20.158	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	156839	20.166	ug/l	99
89) n-Butylbenzene	13.83	91	307016	19.239	ug/l	99
90) Hexachloroethane	14.10	117	59868	19.944	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	141748	20.130	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11012	19.891	ug/l	95

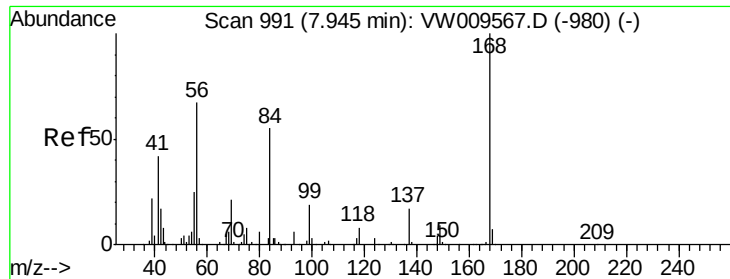
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	92509	19.833	ug/l	99
94) Hexachlorobutadiene	15.24	225	58396	20.140	ug/l	99
95) Naphthalene	15.37	128	154191	17.815	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	83515	20.322	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

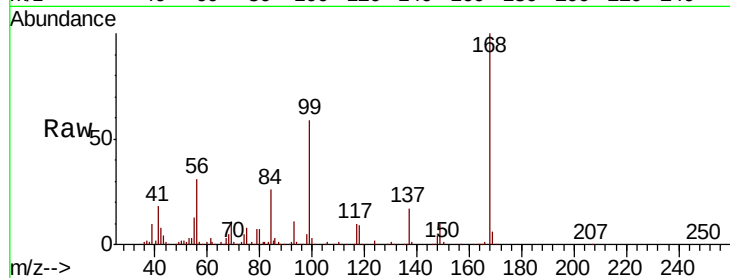
VSTDIC020

Tgt Ion:168 Resp: 297787

Ion Ratio Lower Upper

168 100

99 58.7 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

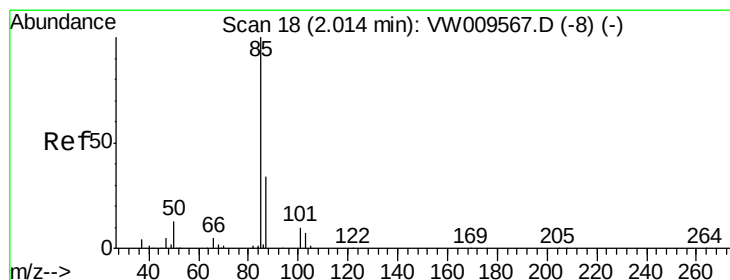
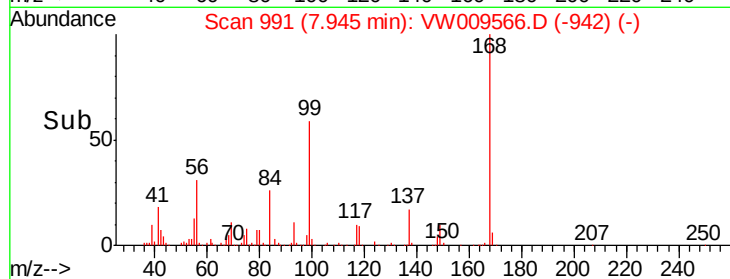
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 25.248 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW009566.D

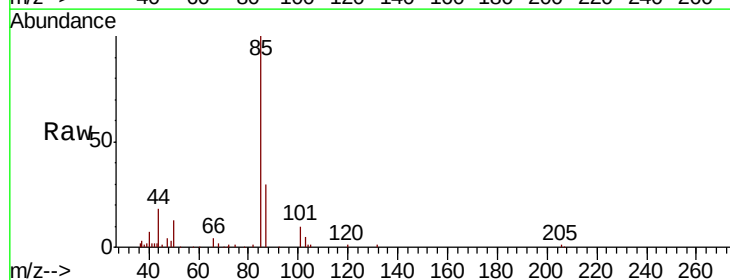
Acq: 29 Mar 2019 10:48

Tgt Ion: 85 Resp: 43961

Ion Ratio Lower Upper

85 100

87 30.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

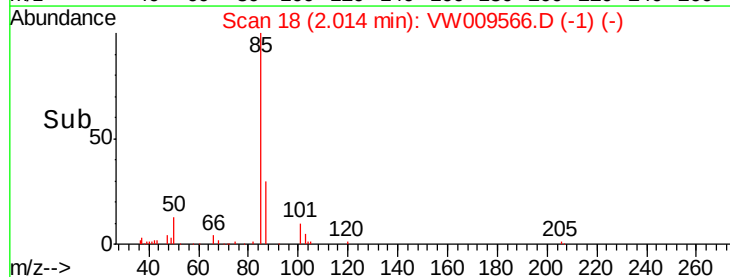
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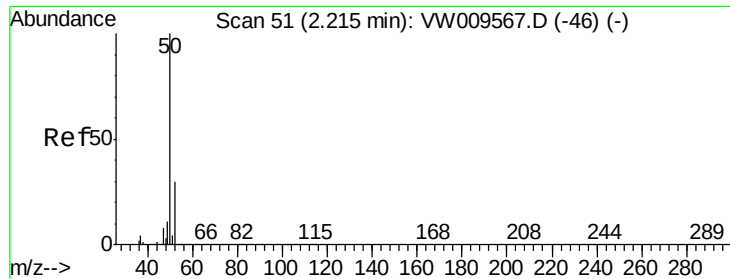
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 22.295 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

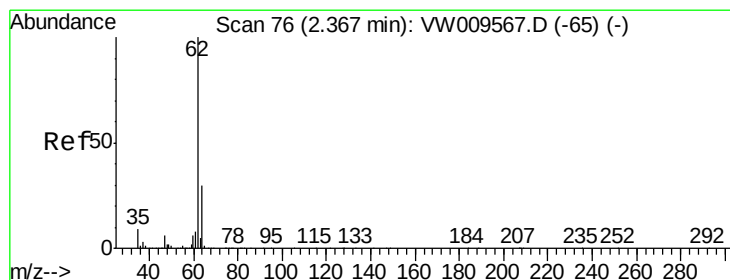
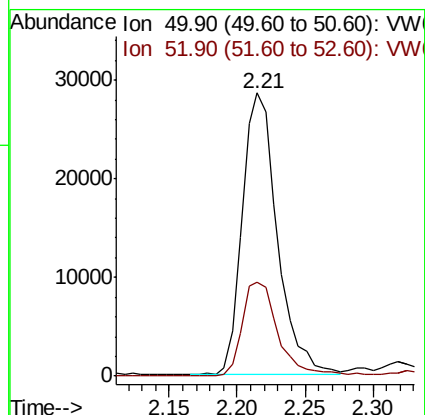
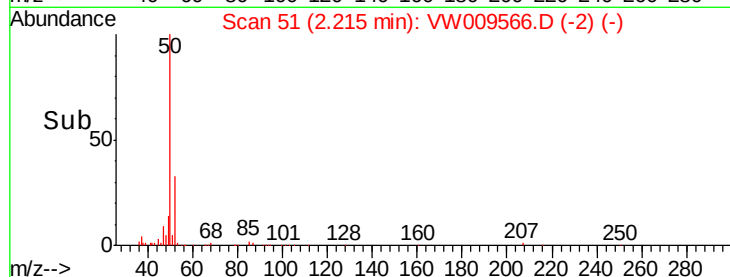
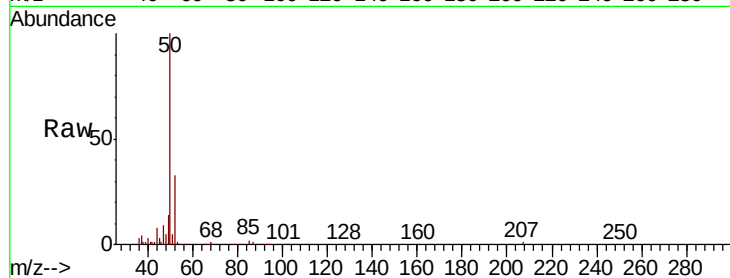
VSTDIC020

Tgt Ion: 50 Resp: 51367

Ion Ratio Lower Upper

50 100

52 33.5 27.2 40.8



#4

Vinyl Chloride

Concen: 21.867 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009566.D

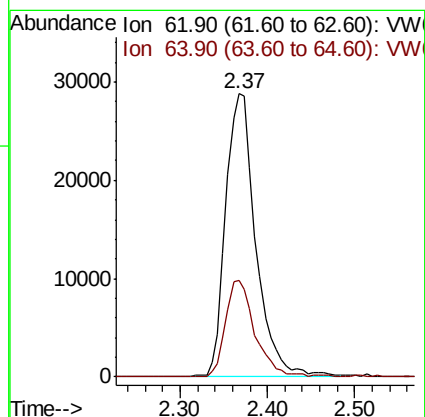
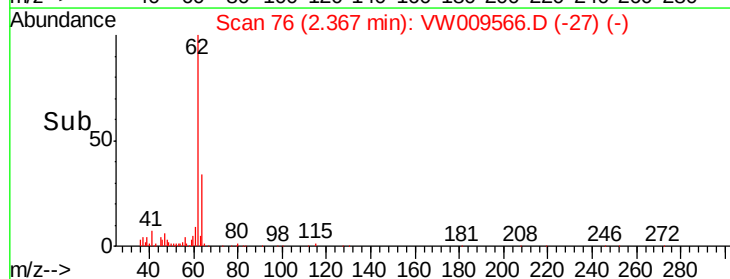
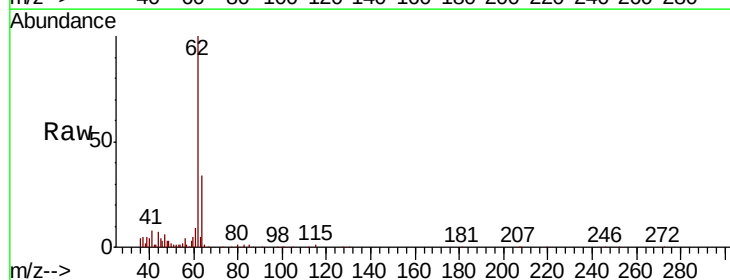
Acq: 29 Mar 2019 10:48

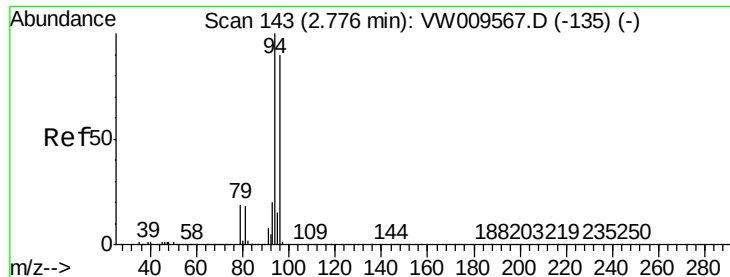
Tgt Ion: 62 Resp: 69154

Ion Ratio Lower Upper

62 100

64 33.9 26.2 39.2





#5

Bromomethane

Concen: 22.683 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

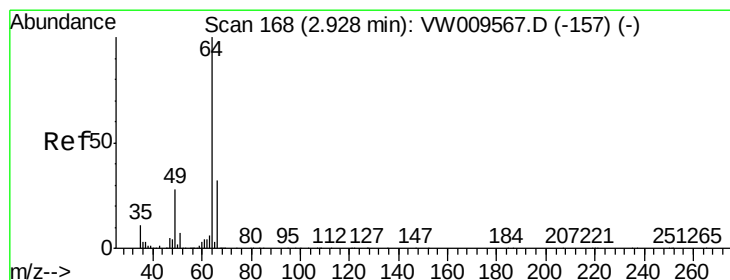
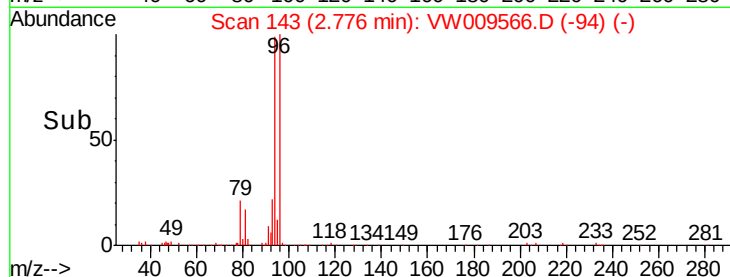
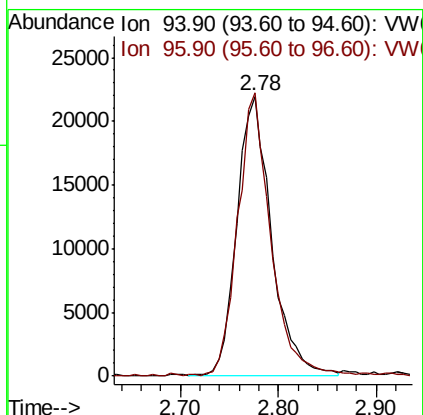
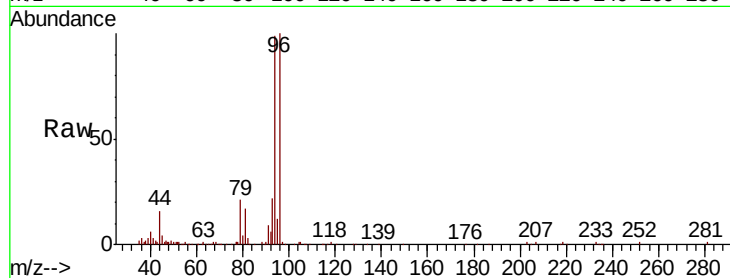
VSTDIC020

Tgt Ion: 94 Resp: 54182

Ion Ratio Lower Upper

94 100

96 100.6 71.4 107.2



#6

Chloroethane

Concen: 22.363 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009566.D

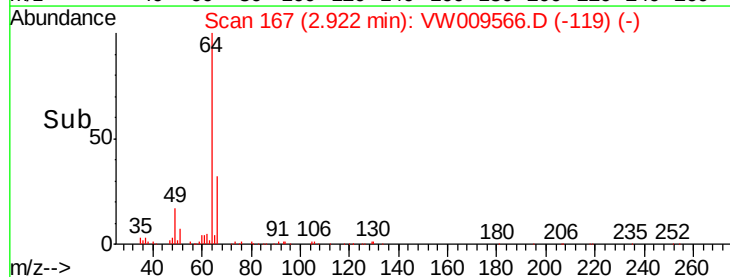
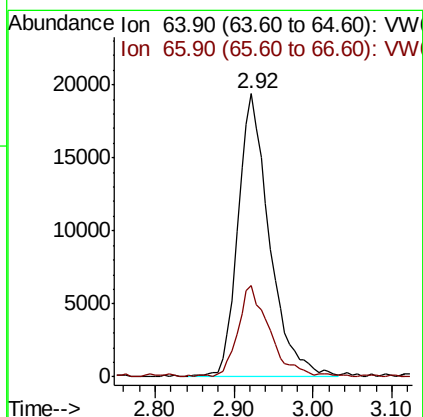
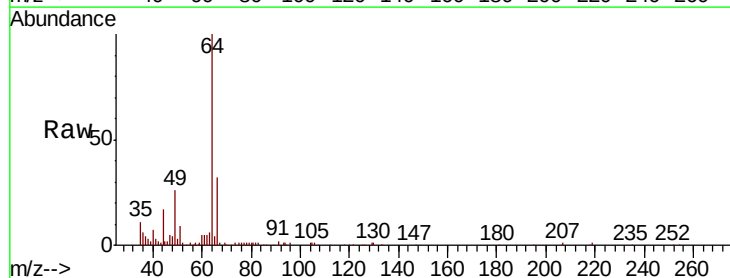
Acq: 29 Mar 2019 10:48

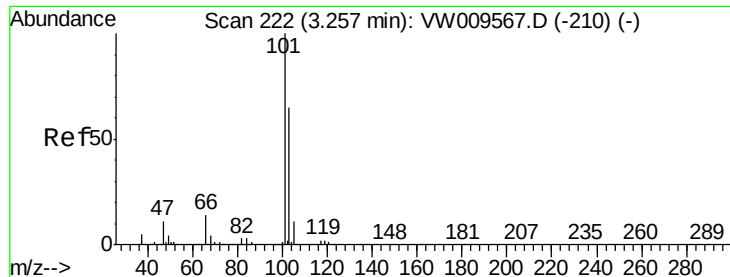
Tgt Ion: 64 Resp: 53462

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2



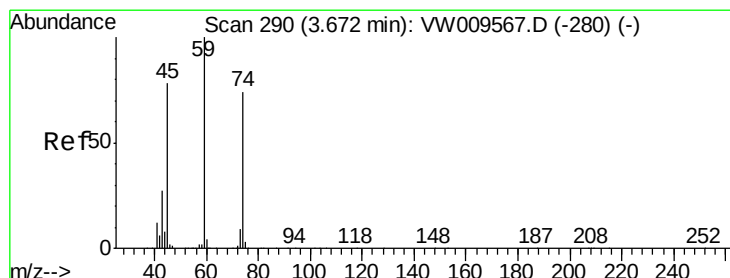
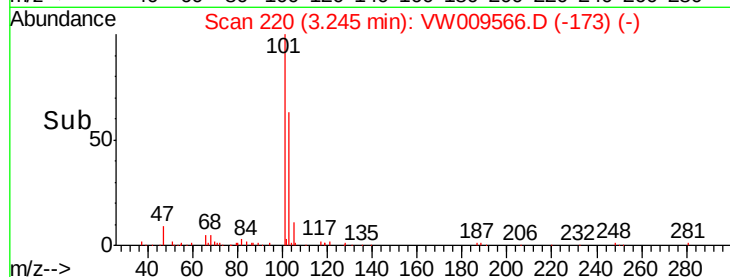
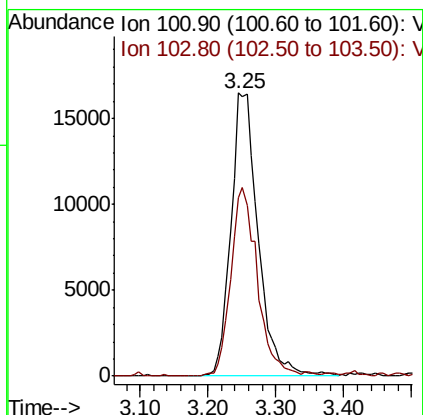
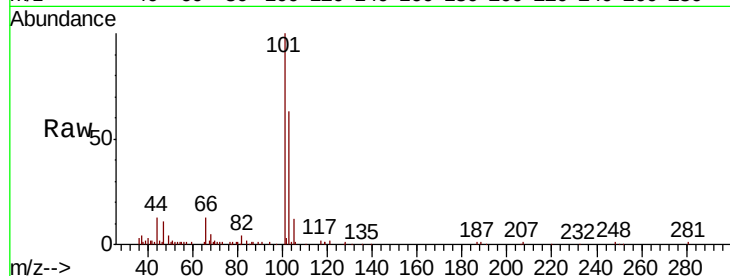


#7

Trichlorofluoromethane
 Concen: 20.928 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

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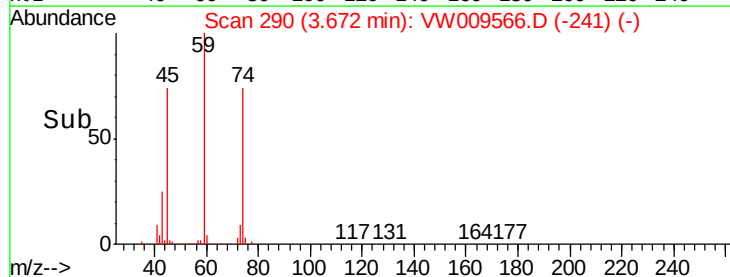
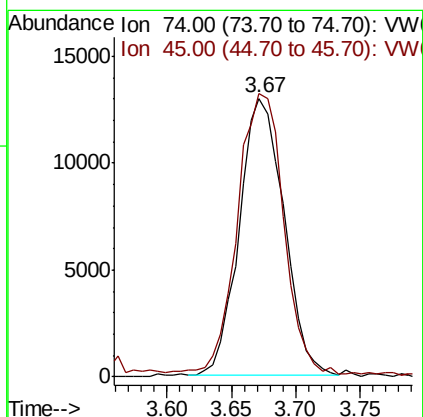
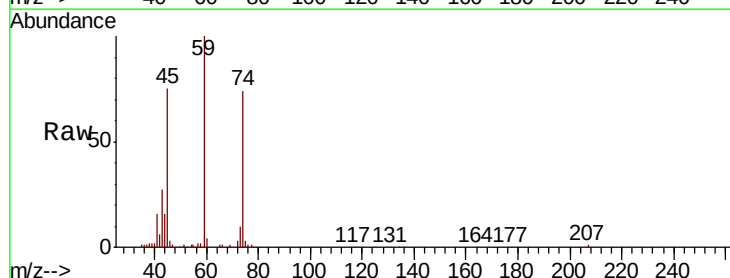
Tgt Ion:101 Resp: 45921
 Ion Ratio Lower Upper
 101 100
 103 63.0 50.5 75.7

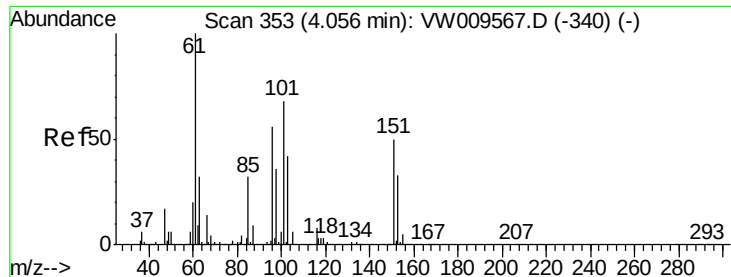


#8

Diethyl Ether
 Concen: 20.070 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion: 74 Resp: 31113
 Ion Ratio Lower Upper
 74 100
 45 104.1 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.214 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

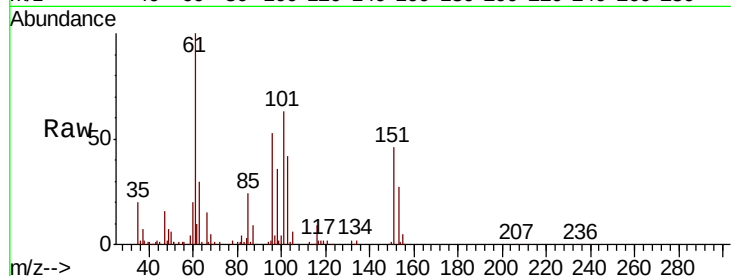
Tgt Ion:101 Resp: 65085

Ion Ratio Lower Upper

101 100

85 45.8 35.1 52.7

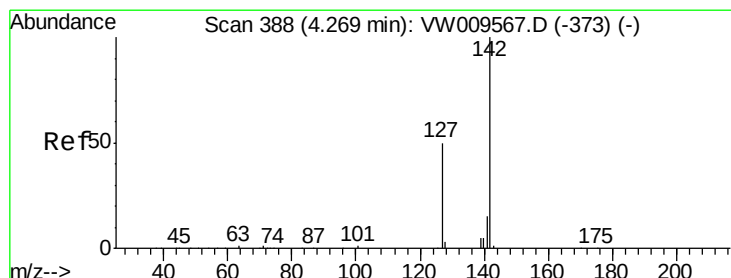
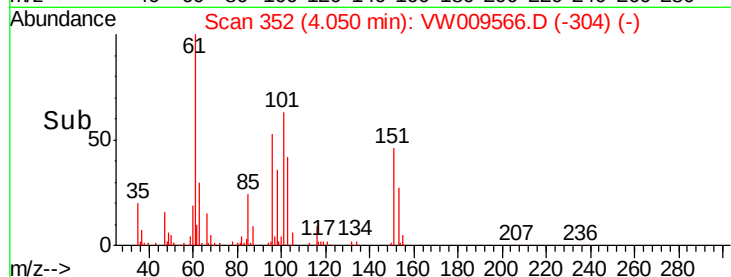
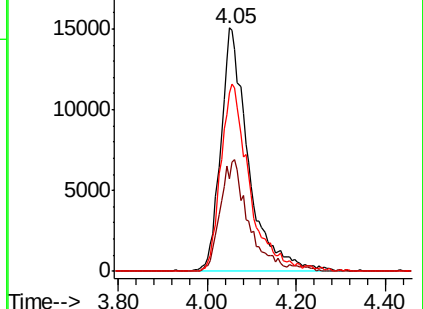
151 78.1 62.9 94.3



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: 21.066 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW009566.D

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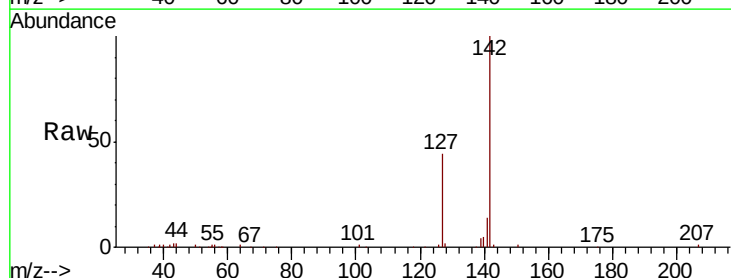
Tgt Ion:142 Resp: 86698

Ion Ratio Lower Upper

142 100

127 47.9 35.9 53.9

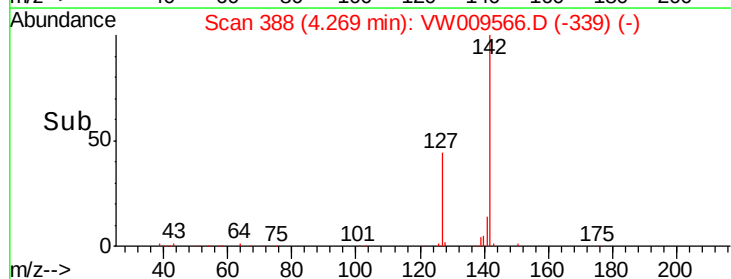
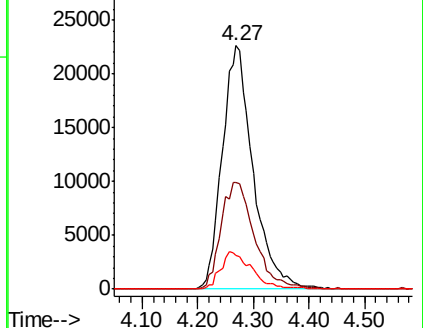
141 15.6 11.4 17.2

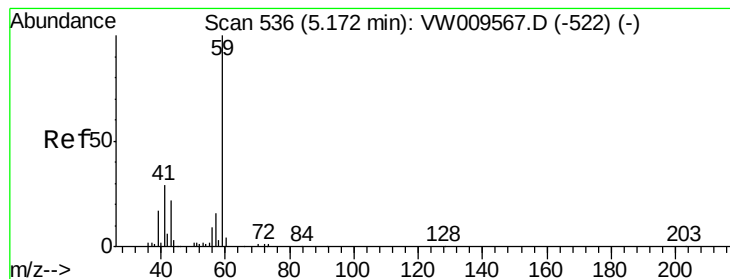


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 99.230 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

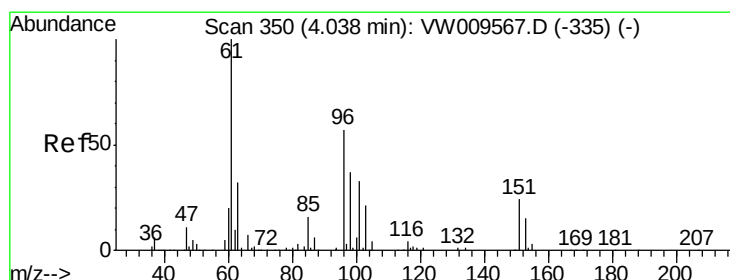
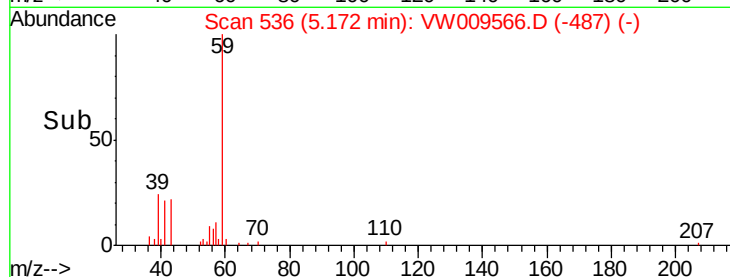
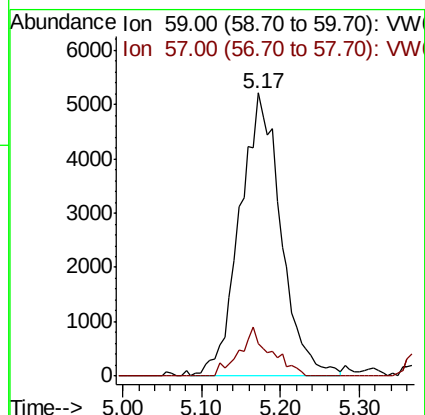
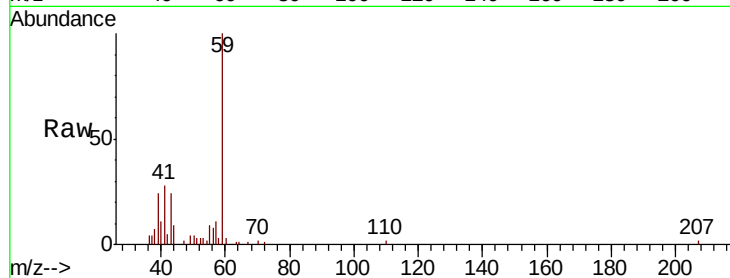
VSTDIC020

Tgt Ion: 59 Resp: 18935

Ion Ratio Lower Upper

59 100

57 13.1 9.4 14.0



#12

1,1-Dichloroethene

Concen: 21.322 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

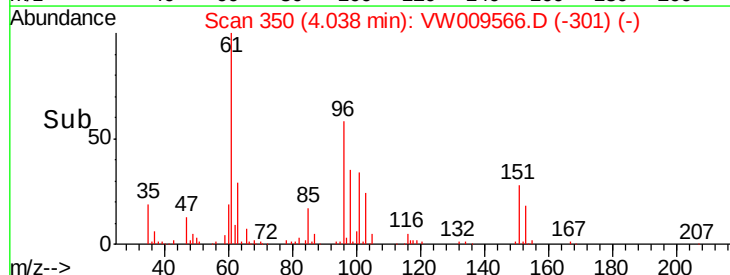
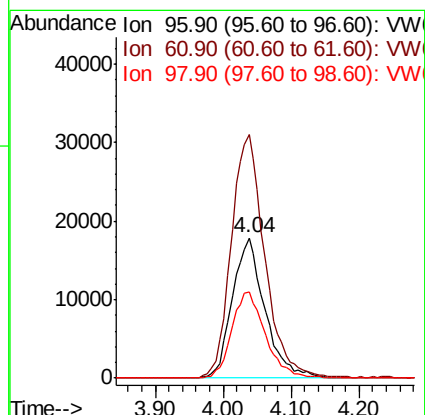
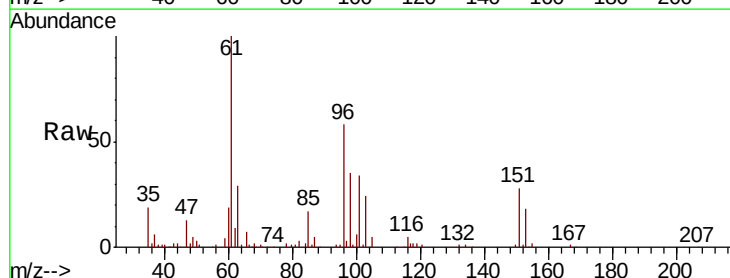
Tgt Ion: 96 Resp: 59272

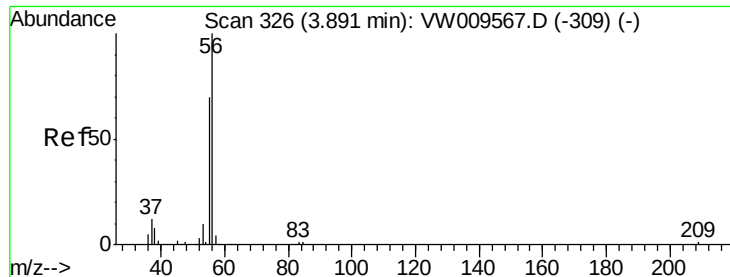
Ion Ratio Lower Upper

96 100

61 173.5 138.0 207.0

98 61.2 49.8 74.8





#13

Acrolein

Concen: 103.905 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

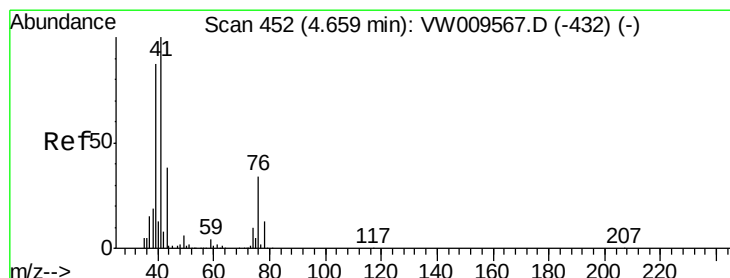
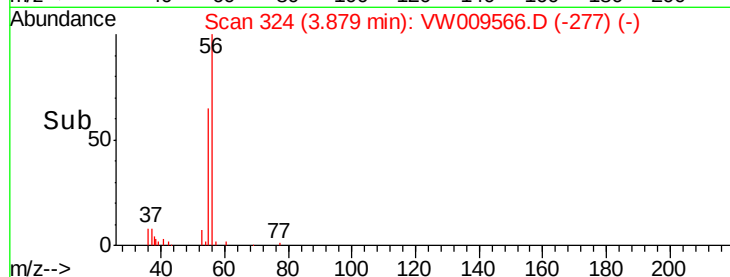
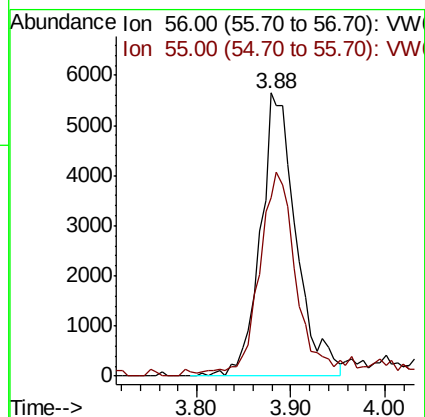
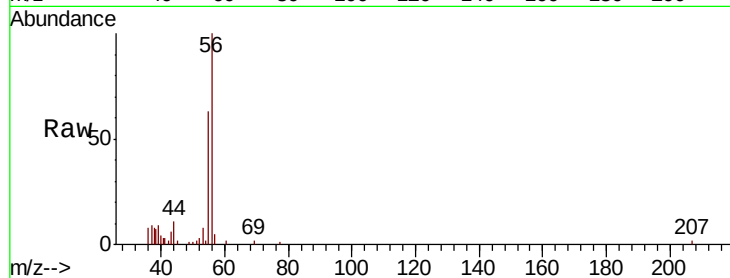
VSTDIC020

Tgt Ion: 56 Resp: 15006

Ion Ratio Lower Upper

56 100

55 69.6 55.2 82.8



#14

Allyl chloride

Concen: 20.509 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

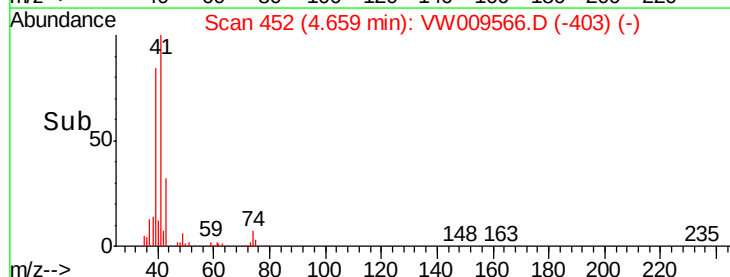
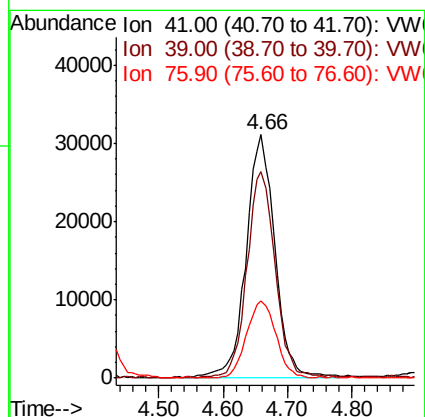
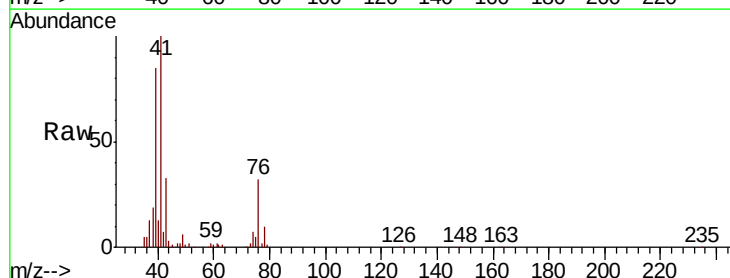
Tgt Ion: 41 Resp: 94040

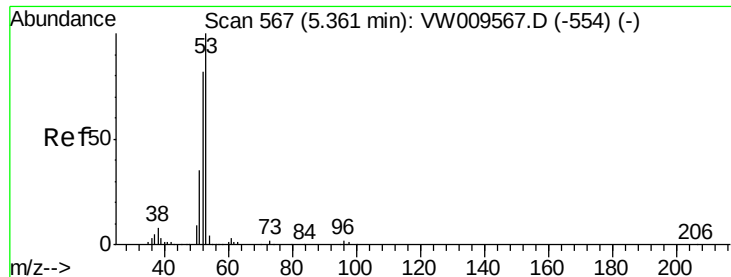
Ion Ratio Lower Upper

41 100

39 84.6 63.8 95.6

76 32.9 27.8 41.6





#15

Acrylonitrile

Concen: 99.765 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

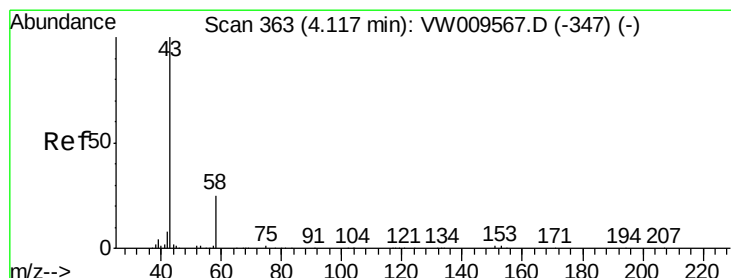
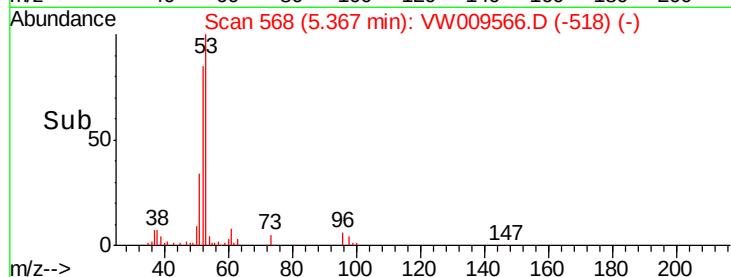
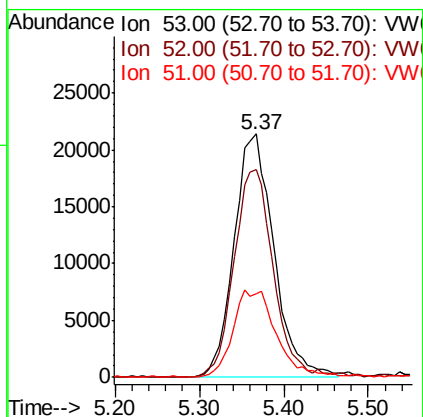
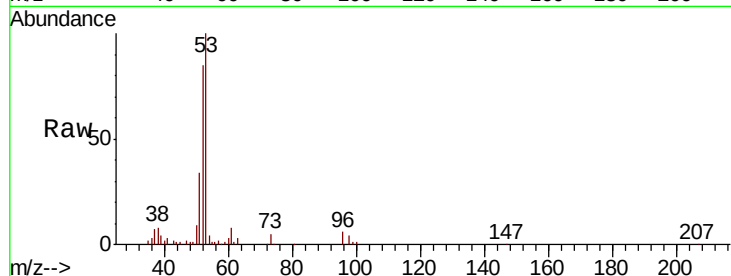
Tgt Ion: 53 Resp: 68541

Ion Ratio Lower Upper

53 100

52 83.3 67.6 101.4

51 39.1 30.6 45.8



#16

Acetone

Concen: 95.175 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW009566.D

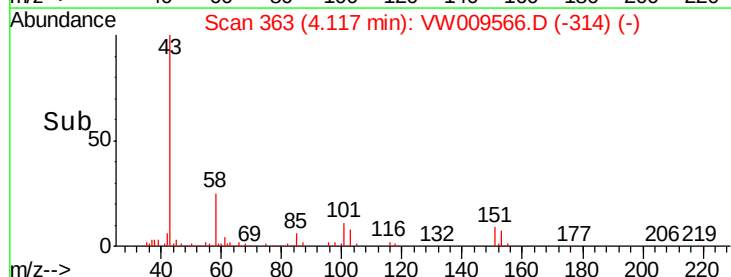
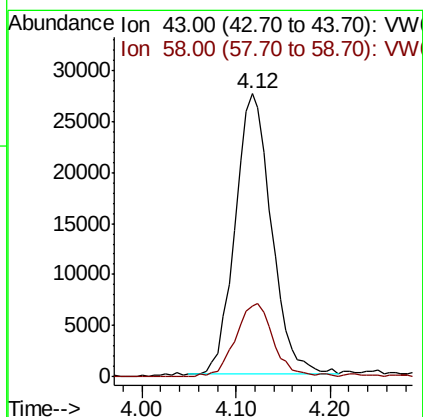
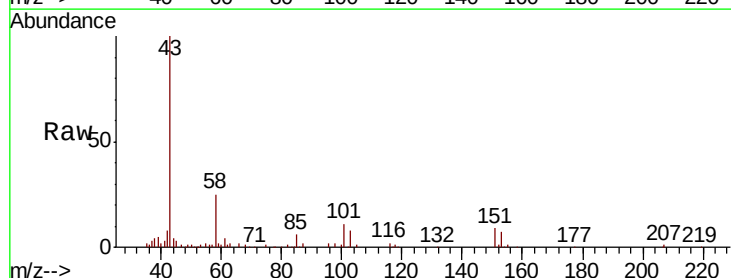
Acq: 29 Mar 2019 10:48

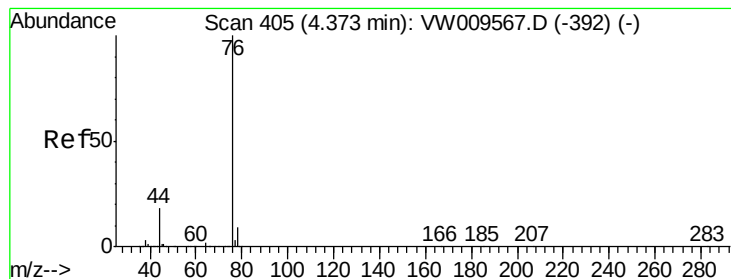
Tgt Ion: 43 Resp: 73194

Ion Ratio Lower Upper

43 100

58 25.0 23.6 35.4





#17

Carbon Disulfide

Concen: 22.077 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

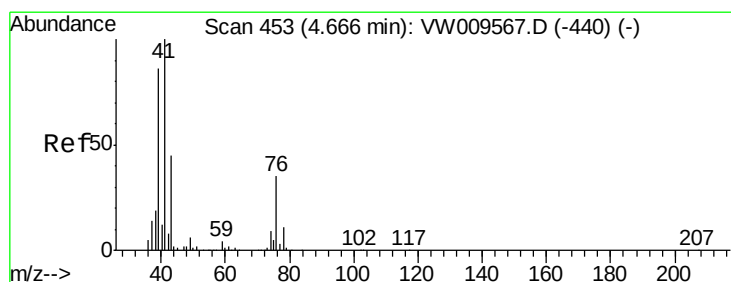
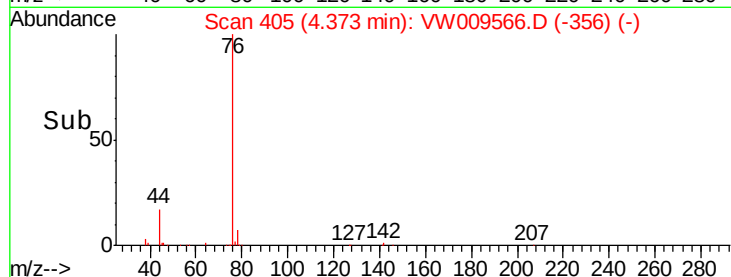
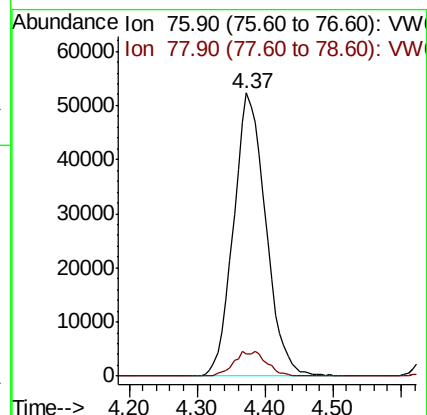
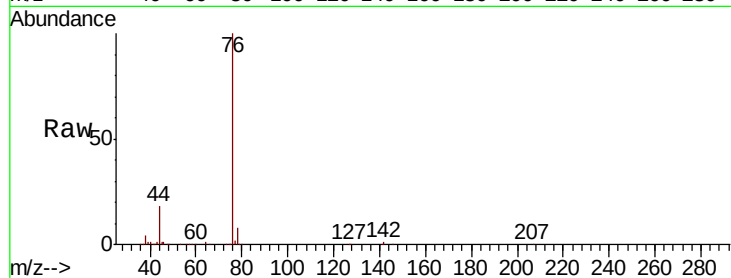
VSTDIC020

Tgt Ion: 76 Resp: 171441

Ion Ratio Lower Upper

76 100

78 8.1 6.6 9.8



#18

Methyl Acetate

Concen: 18.081 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009566.D

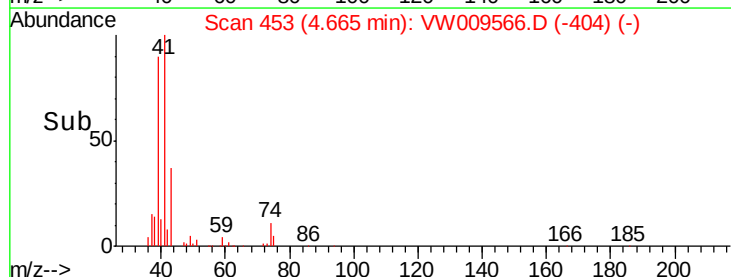
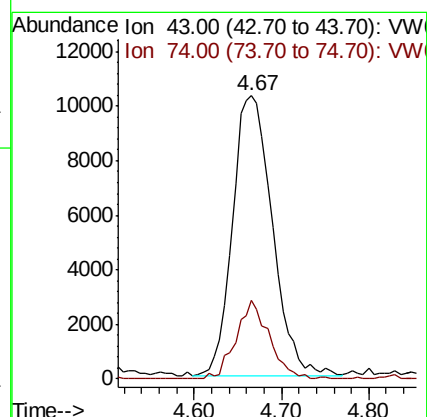
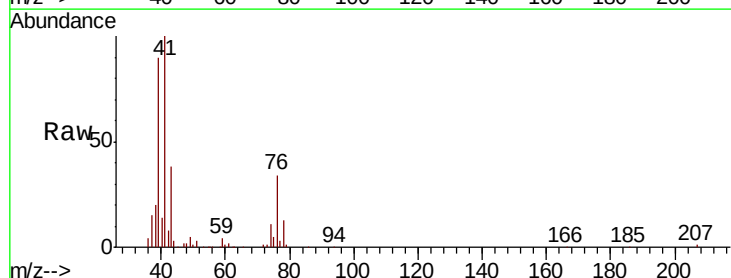
Acq: 29 Mar 2019 10:48

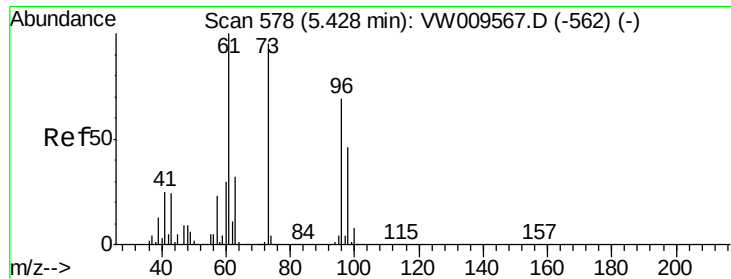
Tgt Ion: 43 Resp: 32479

Ion Ratio Lower Upper

43 100

74 23.5 17.7 26.5

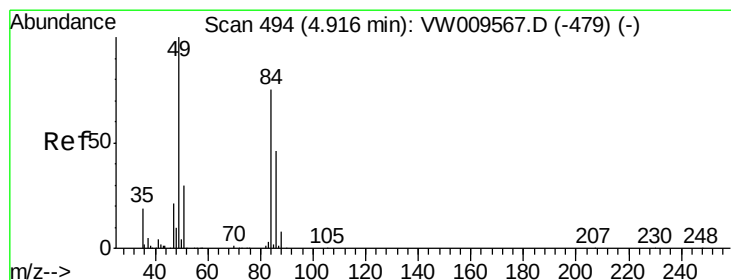
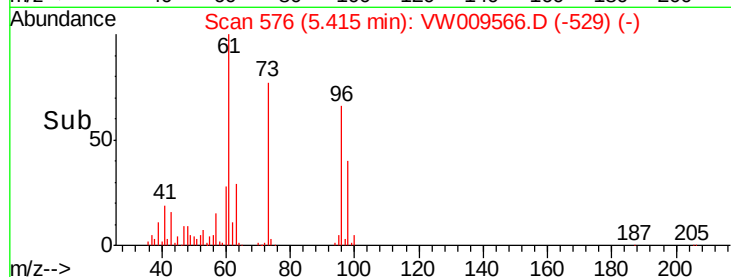
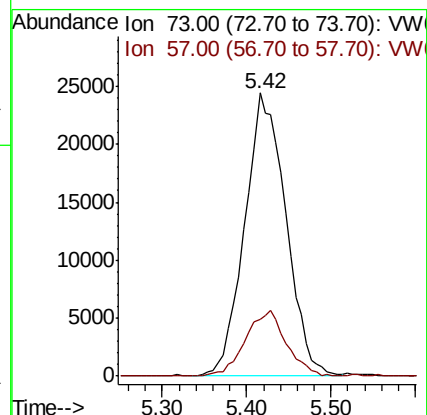
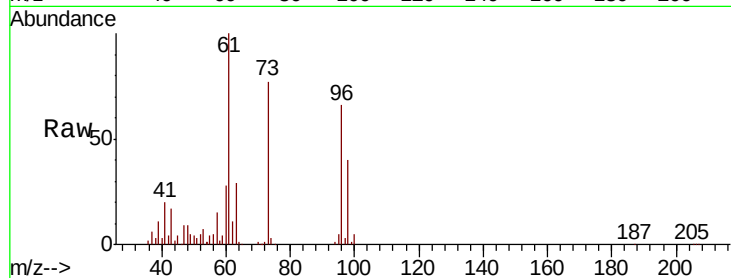




#19
Methyl tert-butyl Ether
Concen: 20.196 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

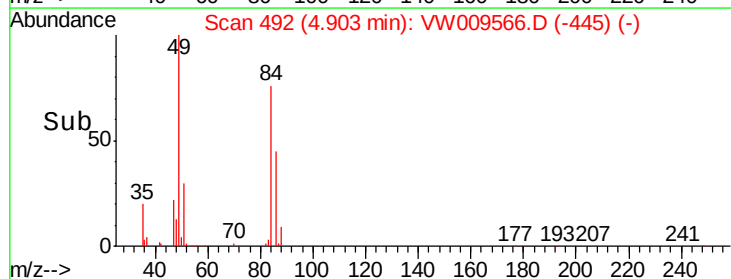
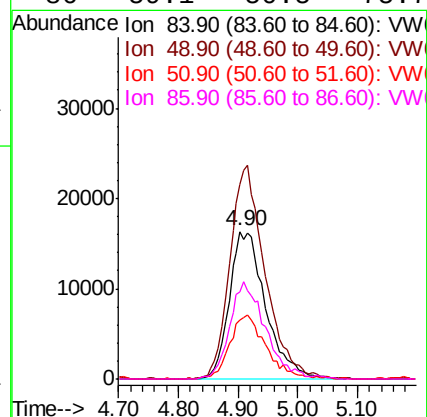
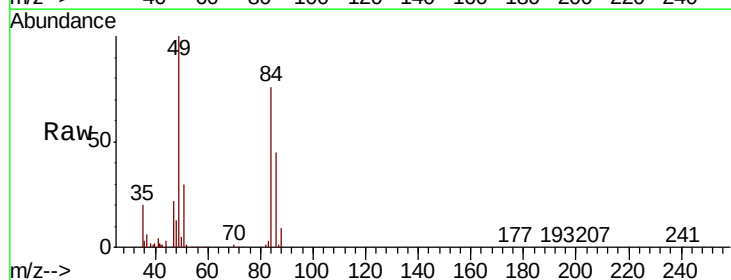
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

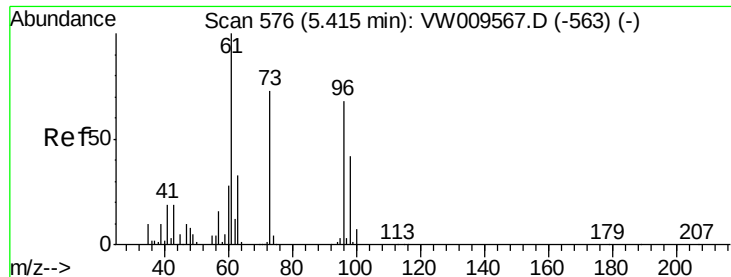
Tgt Ion: 73 Resp: 81123
Ion Ratio Lower Upper
73 100
57 20.1 17.0 25.6



#20
Methylene Chloride
Concen: 22.793 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion: 84 Resp: 69160
Ion Ratio Lower Upper
84 100
49 132.2 99.1 148.7
51 39.5 28.7 43.1
86 59.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 21.270 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

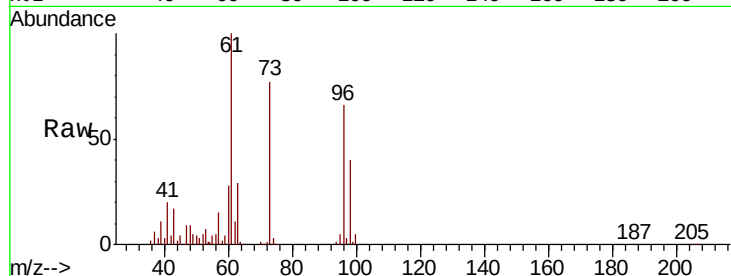
Tgt Ion: 96 Resp: 63545

Ion Ratio Lower Upper

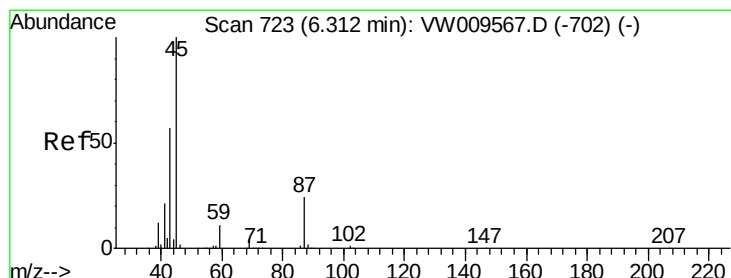
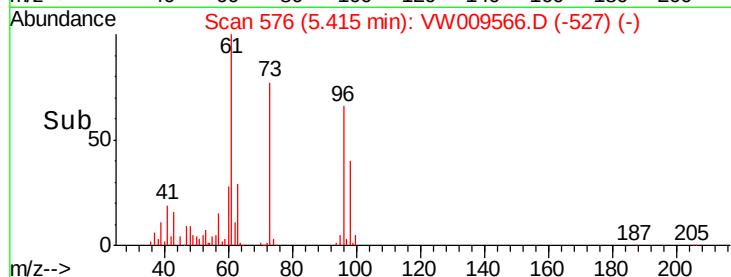
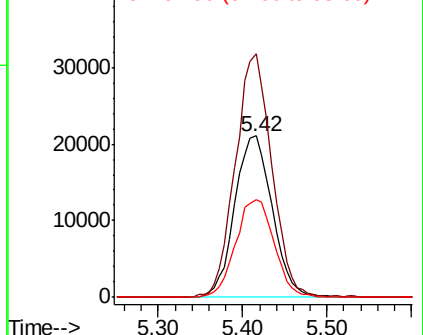
96 100

61 150.8 108.2 162.4

98 61.0 50.9 76.3



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: 20.009 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion: 45 Resp: 200441

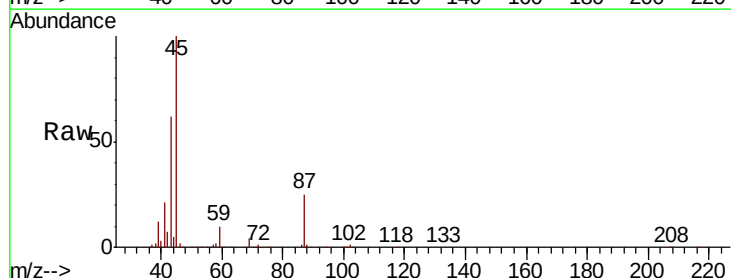
Ion Ratio Lower Upper

45 100

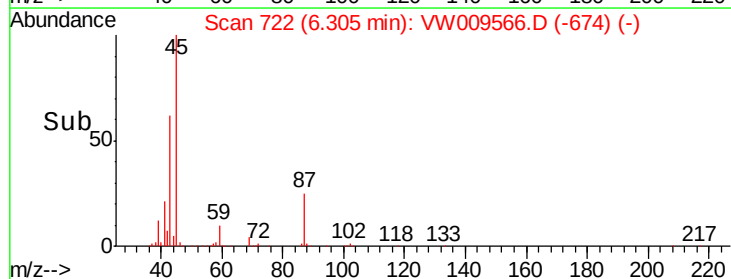
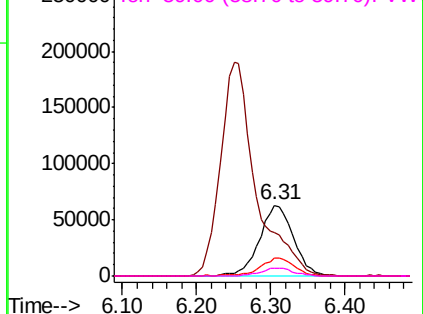
43 61.3 47.9 71.9

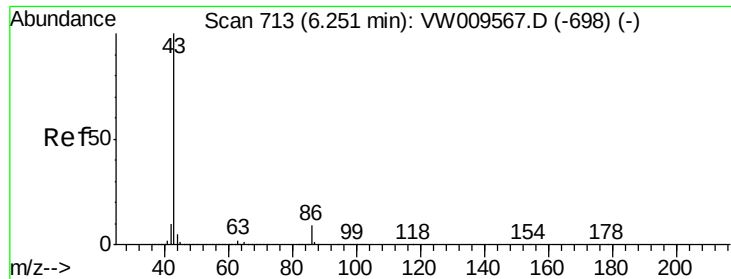
87 24.2 20.6 30.8

59 9.9 9.0 13.4



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

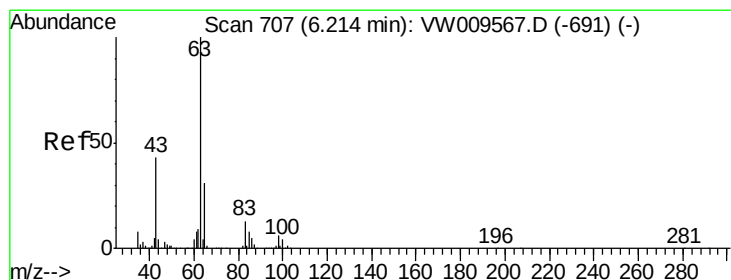
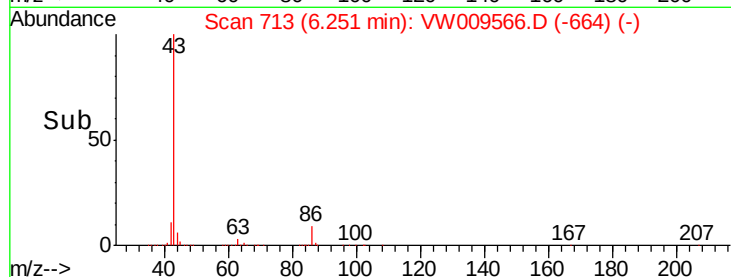
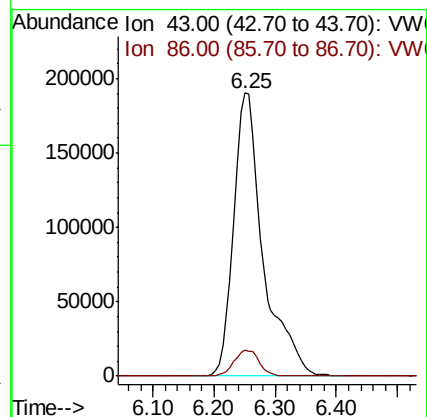
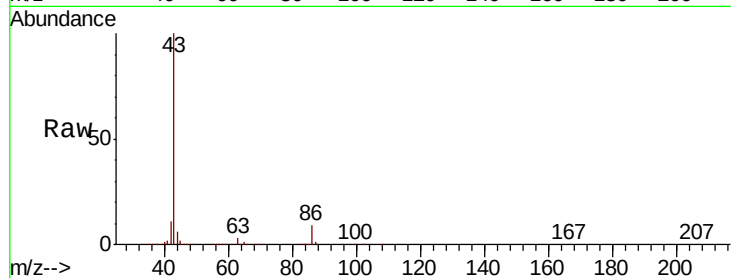




#23
 Vinyl Acetate
 Concen: 99.929 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

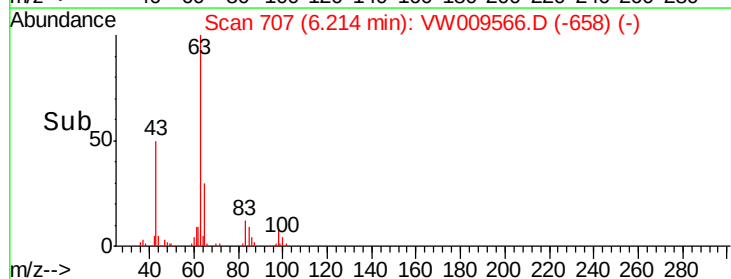
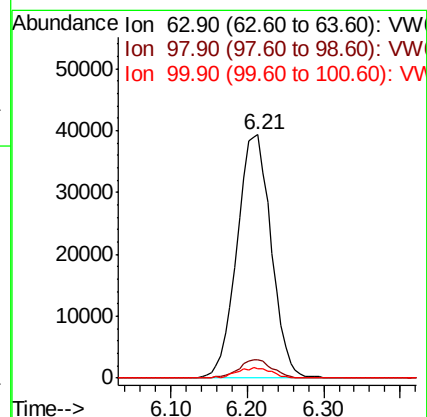
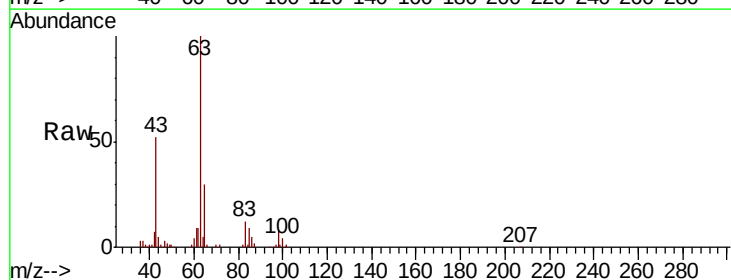
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

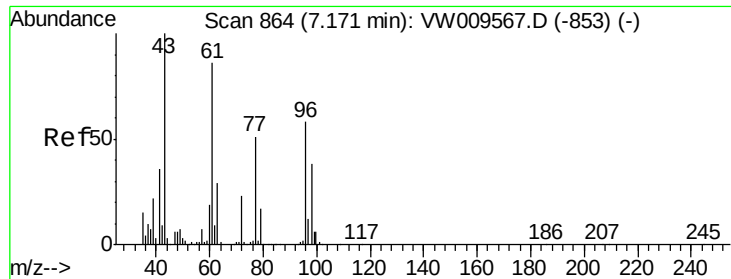
Tgt Ion: 43 Resp: 630871
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 20.796 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion: 63 Resp: 122058
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.7 11.1
 100 4.1 2.4 7.1

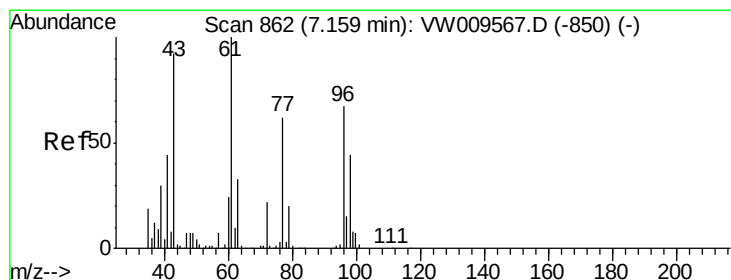
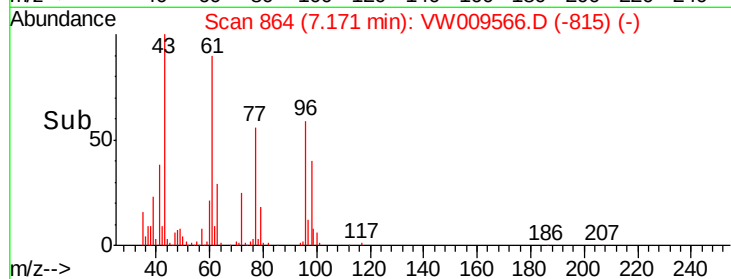
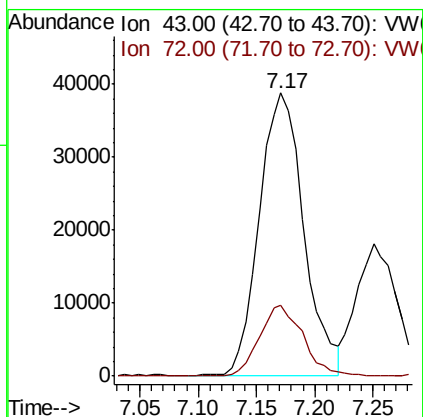
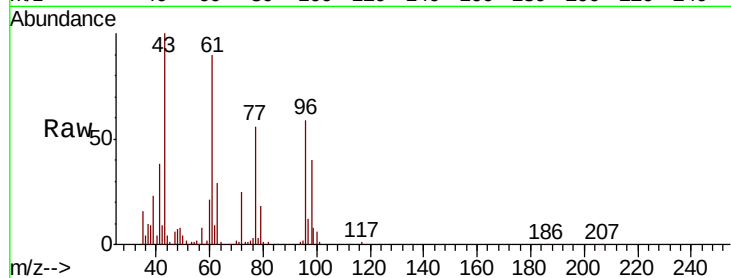




#25
2-Butanone
Concen: 98.590 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

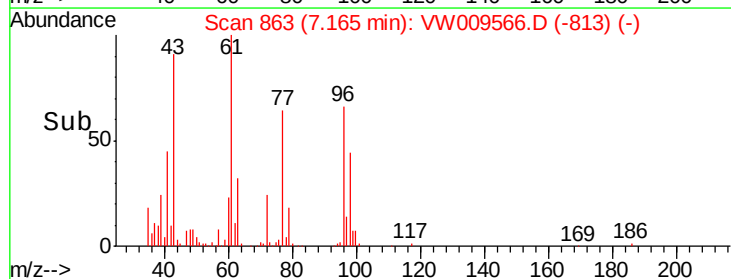
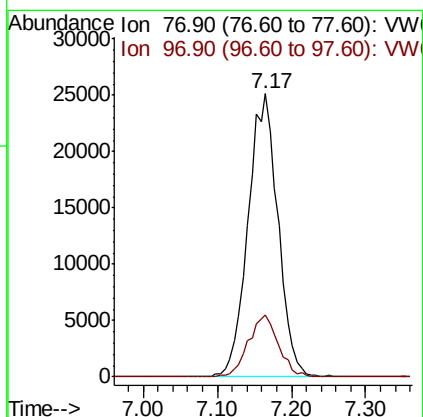
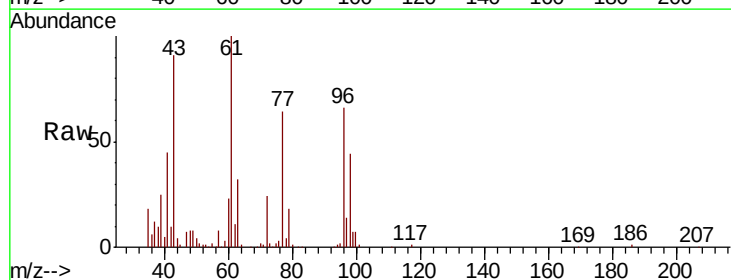
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

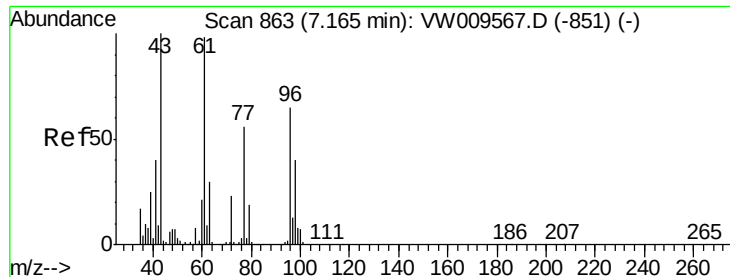
Tgt Ion: 43 Resp: 103226
Ion Ratio Lower Upper
43 100
72 25.2 20.0 30.0



#26
2,2-Dichloropropane
Concen: 21.117 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion: 77 Resp: 70912
Ion Ratio Lower Upper
77 100
97 21.8 11.6 34.7



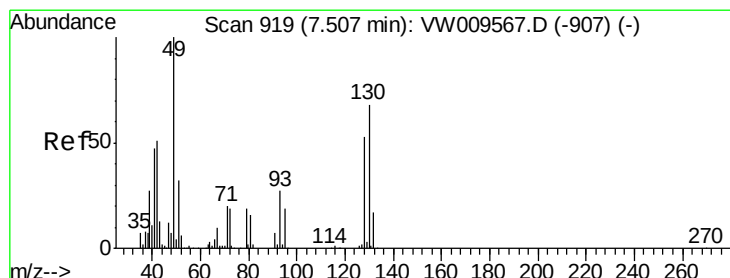
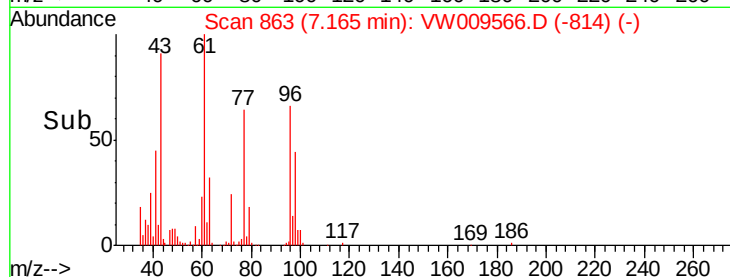
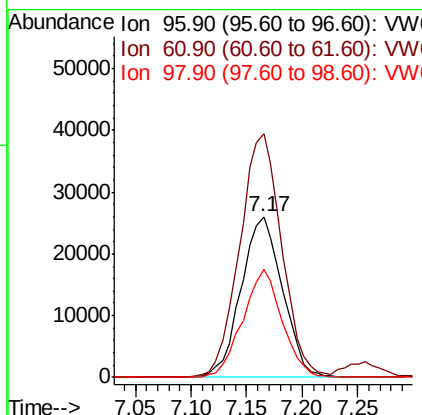
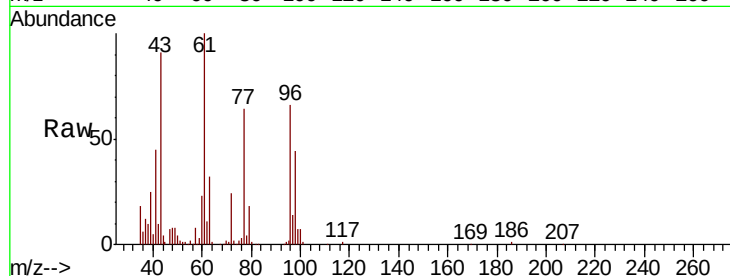


#27

cis-1,2-Dichloroethene
 Concen: 20.324 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

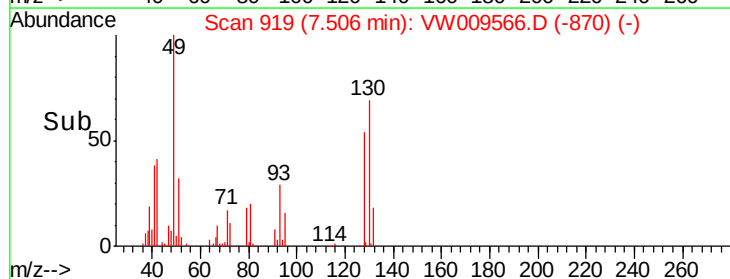
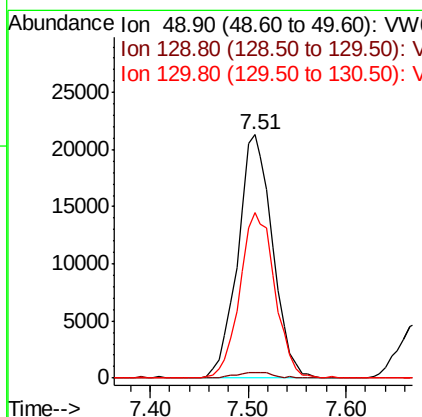
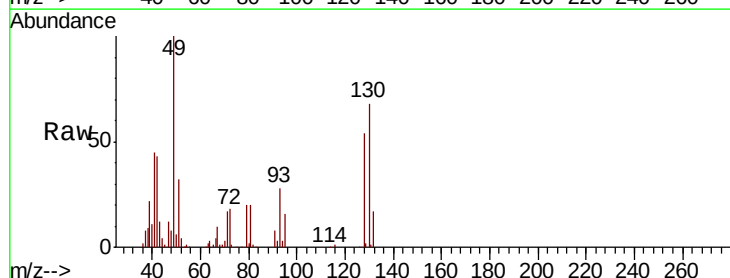
Tgt Ion: 96 Resp: 67256
 Ion Ratio Lower Upper
 96 100
 61 153.8 0.0 289.8
 98 64.0 0.0 130.8

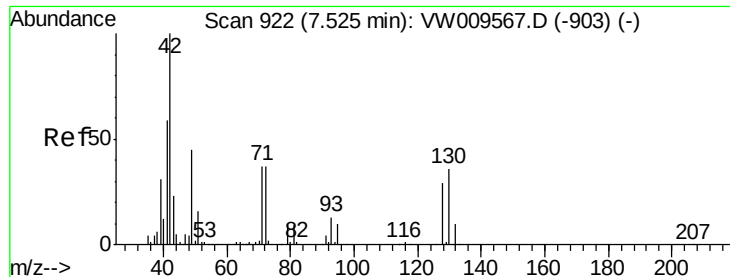


#28

Bromochloromethane
 Concen: 21.156 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion: 49 Resp: 52398
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 1.4#
 130 68.6 58.6 88.0

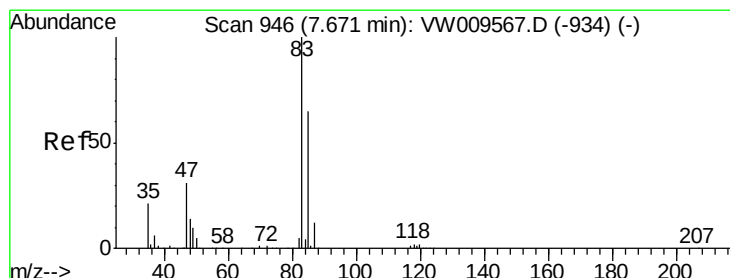
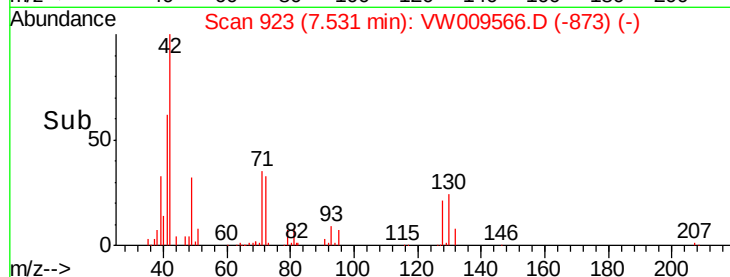
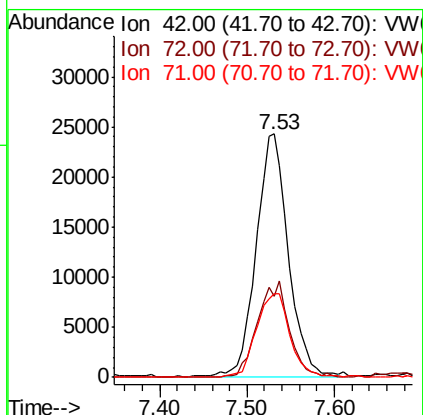
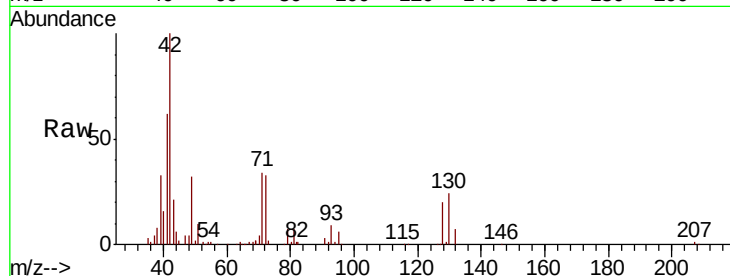




#29
Tetrahydrofuran
Concen: 95.702 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

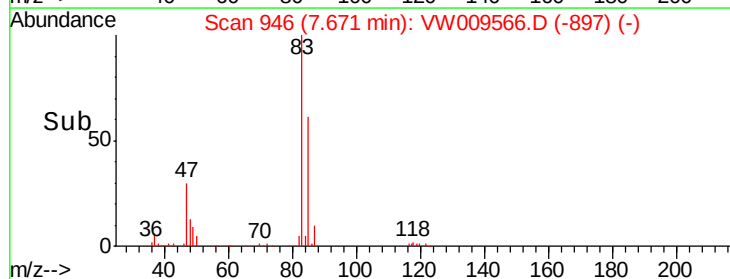
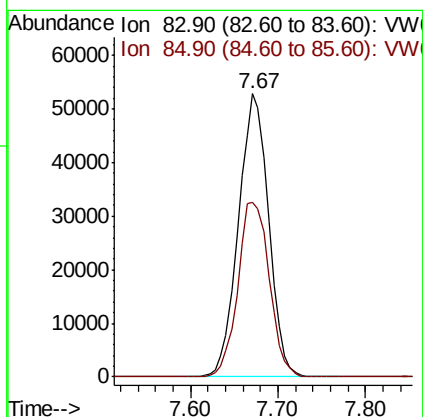
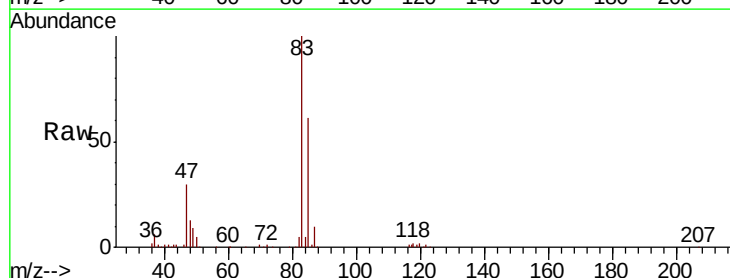
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

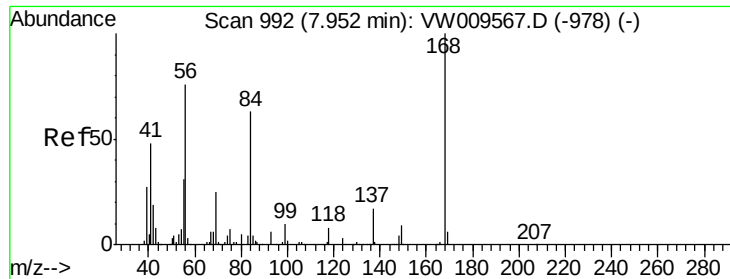
Tgt Ion: 42 Resp: 62725
Ion Ratio Lower Upper
42 100
72 38.6 32.4 48.6
71 36.0 30.1 45.1



#30
Chloroform
Concen: 20.955 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion: 83 Resp: 126487
Ion Ratio Lower Upper
83 100
85 61.5 51.0 76.6

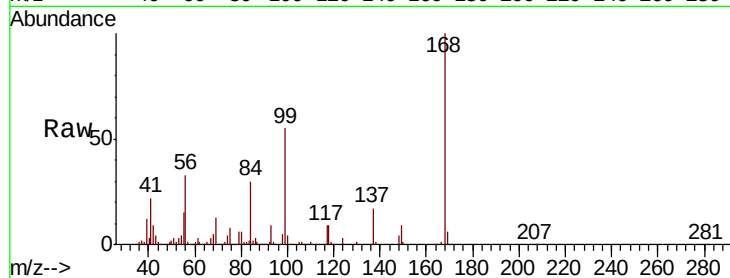




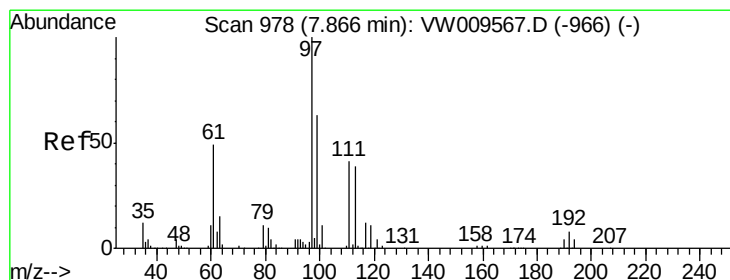
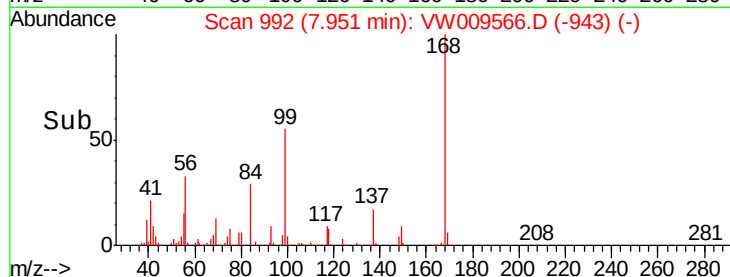
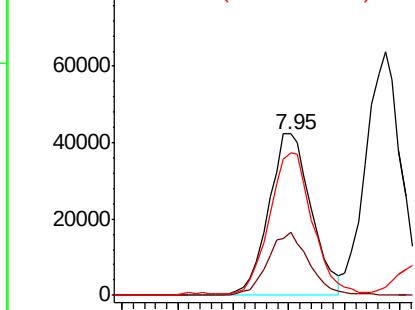
#31
Cyclohexane
Concen: 21.453 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tgt Ion: 56 Resp: 112404
Ion Ratio Lower Upper
56 100
69 38.9 26.1 39.1
84 86.9 68.6 103.0

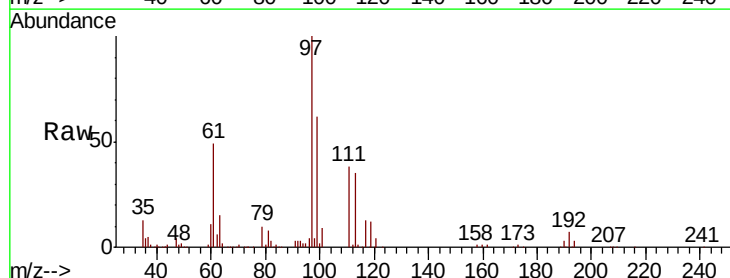


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

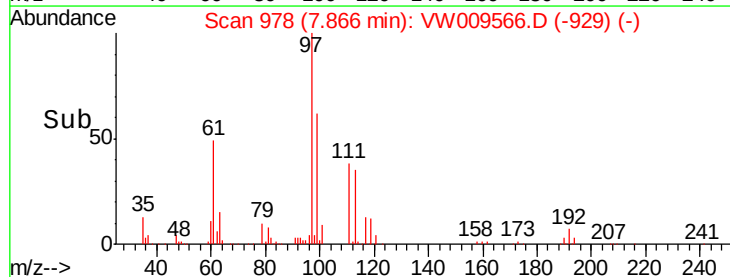
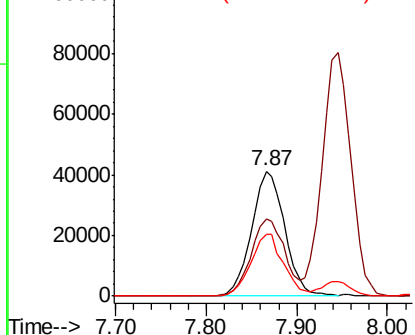


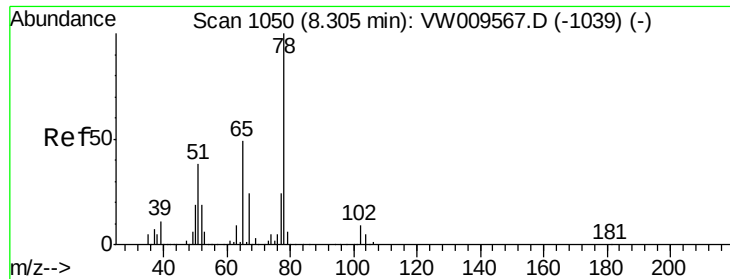
#32
1,1,1-Trichloroethane
Concen: 21.115 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion: 97 Resp: 103791
Ion Ratio Lower Upper
97 100
99 62.8 51.9 77.9
61 49.2 36.8 55.2



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

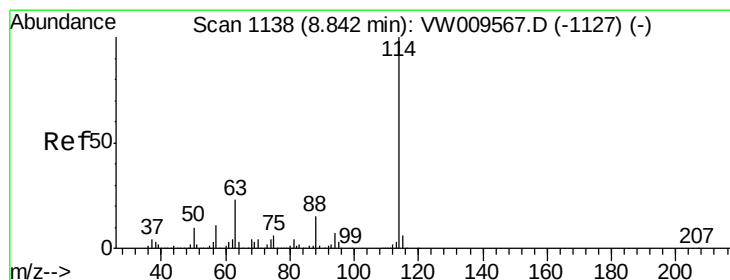
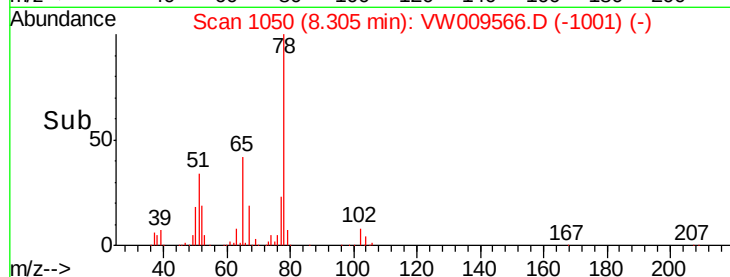
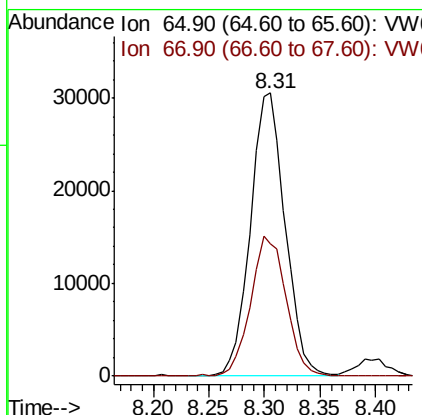
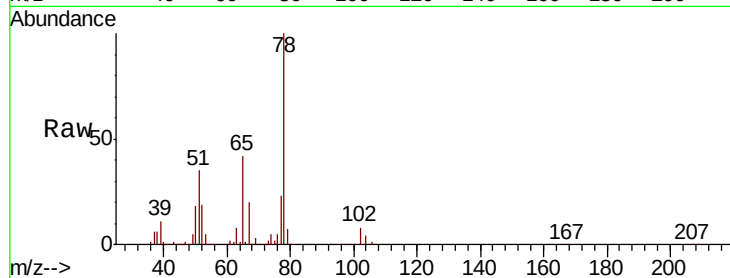




#33
 1,2-Dichloroethane-d4
 Concen: 19.218 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

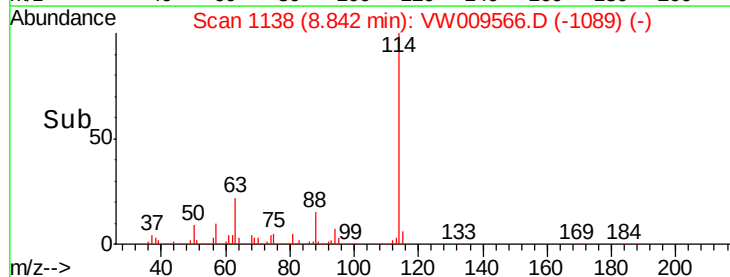
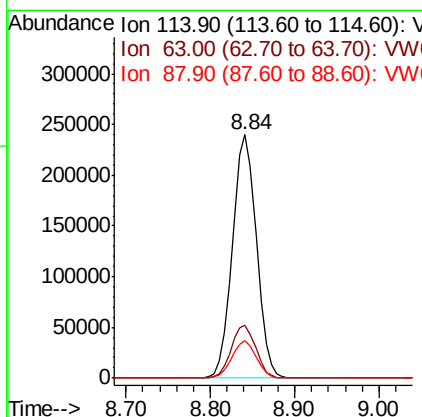
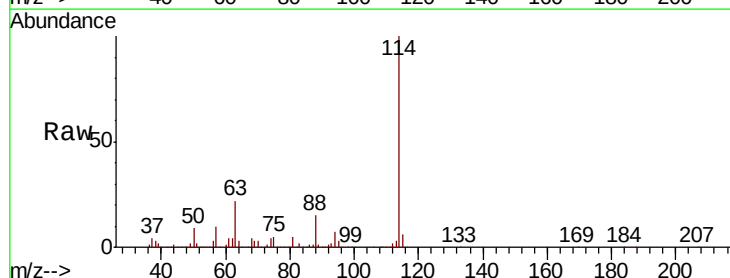
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

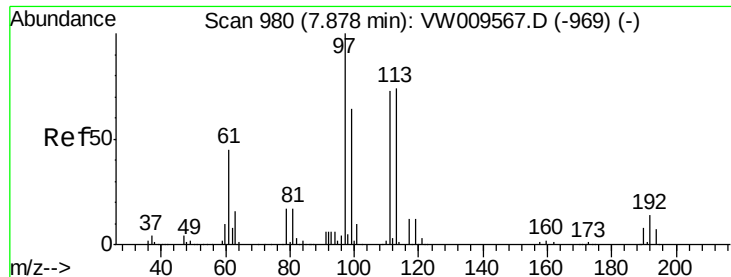
Tgt Ion: 65 Resp: 66420
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion: 114 Resp: 459201
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.2
 88 15.5 0.0 30.8

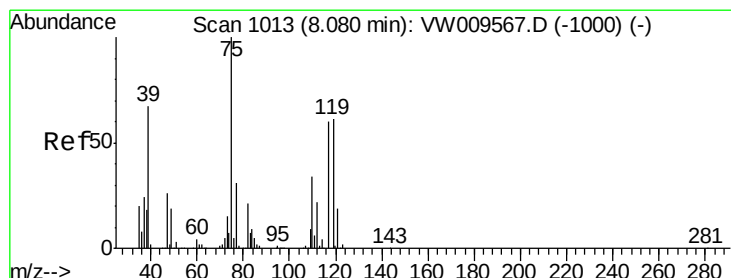
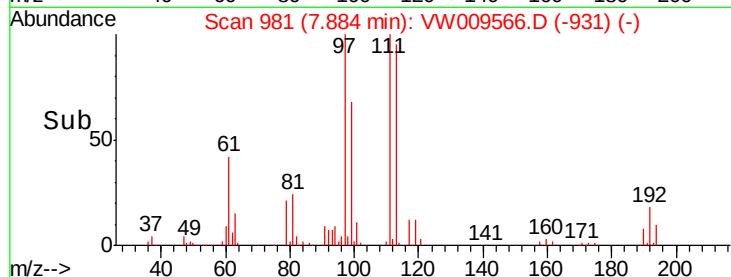
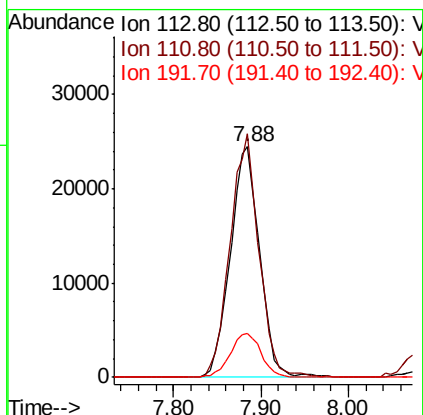
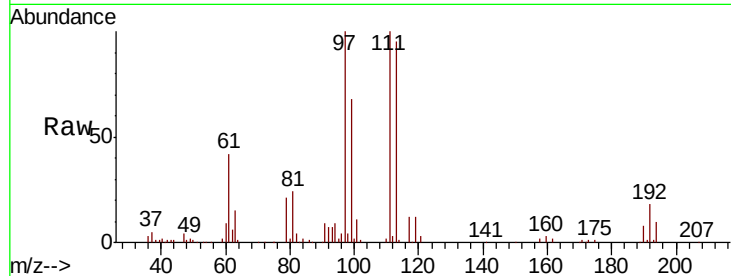




#35
 Dibromofluoromethane
 Concen: 19.670 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

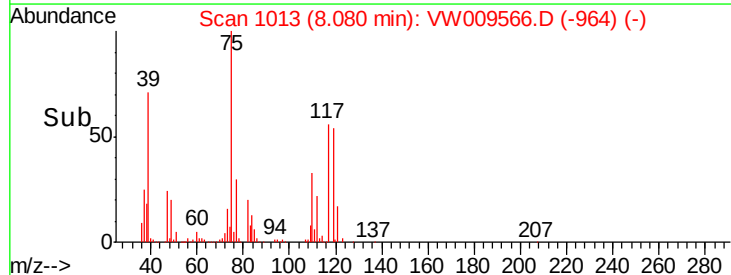
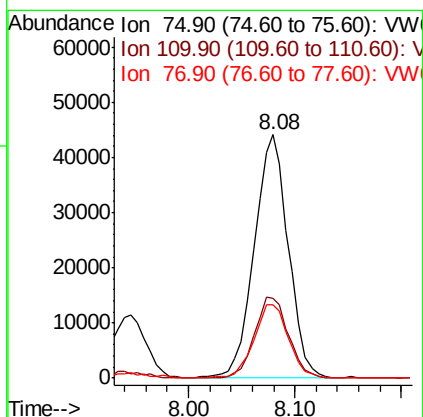
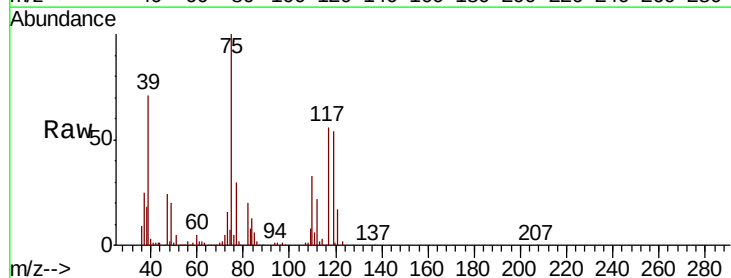
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

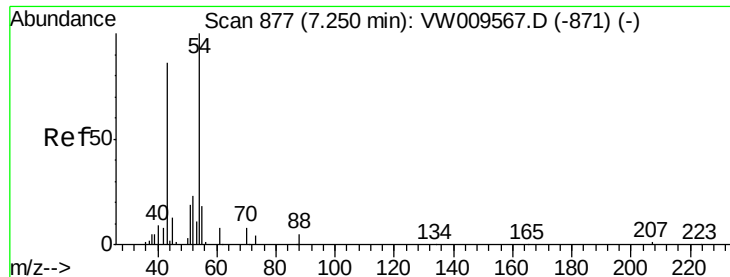
Tgt Ion:113 Resp: 57021
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.6 124.0
 192 20.0 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 20.560 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion: 75 Resp: 98267
 Ion Ratio Lower Upper
 75 100
 110 33.4 16.8 50.4
 77 31.0 24.6 36.8

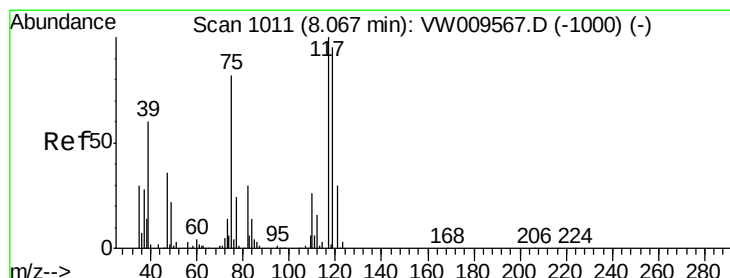
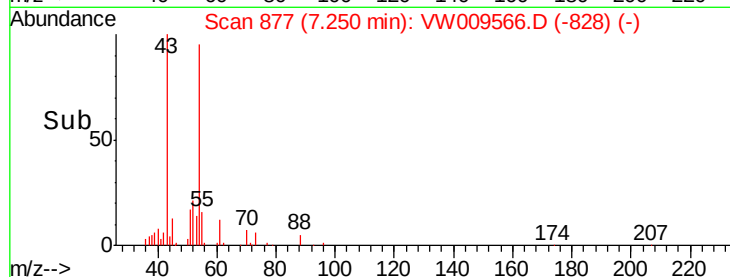
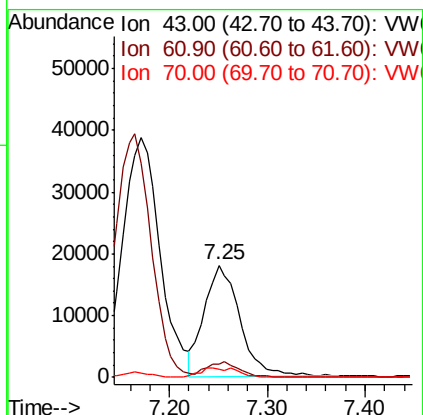
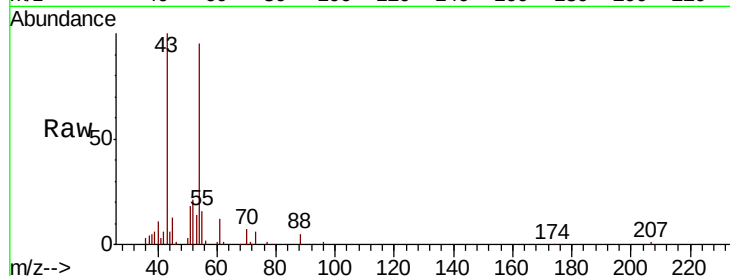




#37
Ethyl Acetate
Concen: 20.452 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

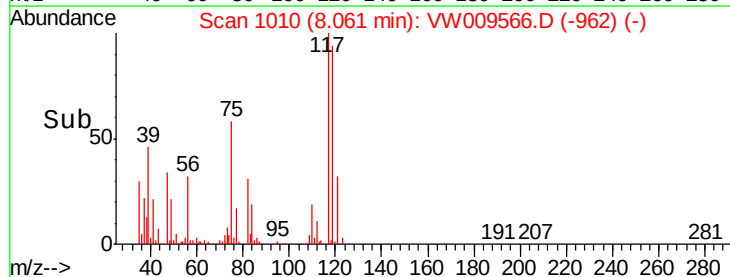
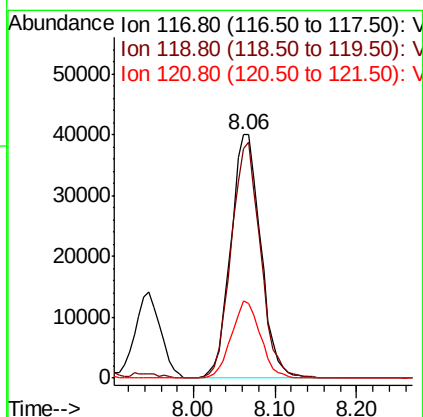
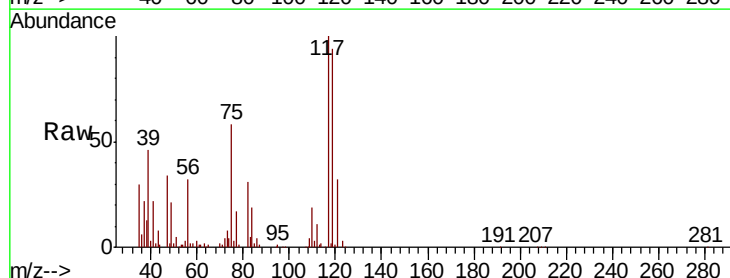
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

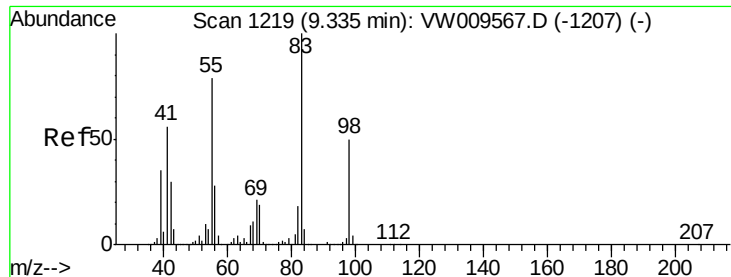
Tgt Ion: 43 Resp: 45918
Ion Ratio Lower Upper
43 100
61 12.7 10.0 15.0
70 9.2 7.3 10.9



#38
Carbon Tetrachloride
Concen: 20.899 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion: 117 Resp: 101140
Ion Ratio Lower Upper
117 100
119 94.3 75.4 113.0
121 31.7 24.9 37.3

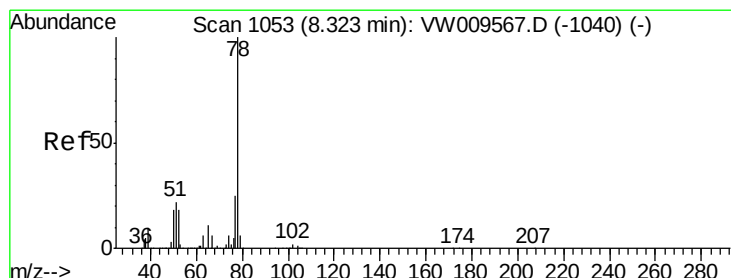
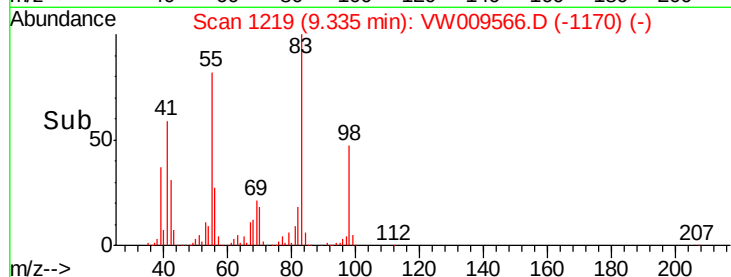
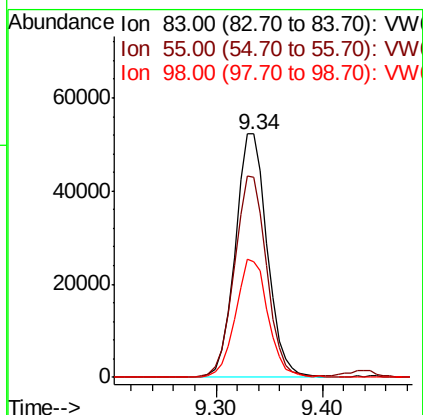
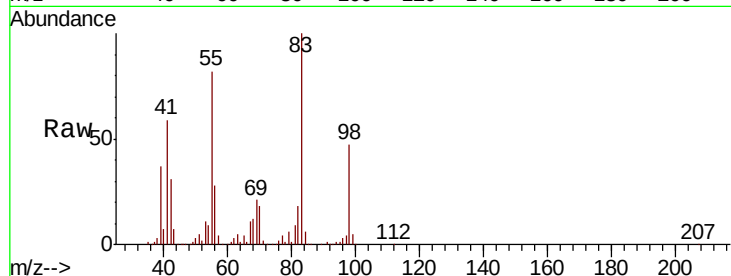




#39
Methylcyclohexane
Concen: 20.008 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

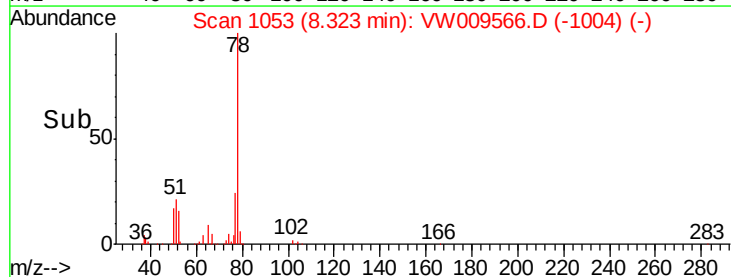
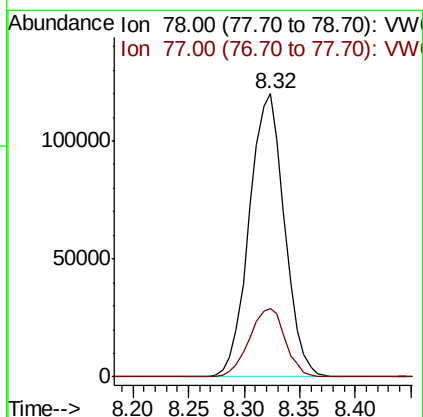
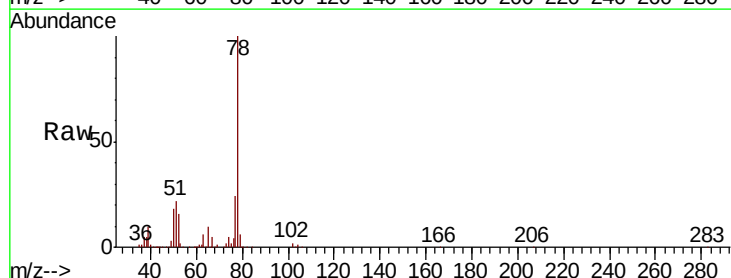
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

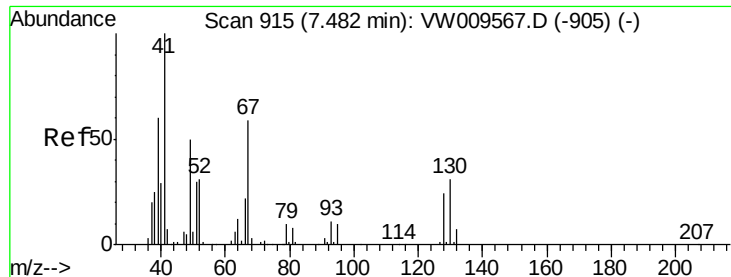
Tgt Ion: 83 Resp: 110181
Ion Ratio Lower Upper
83 100
55 82.4 61.1 91.7
98 47.3 39.0 58.4



#40
Benzene
Concen: 20.430 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion: 78 Resp: 264099
Ion Ratio Lower Upper
78 100
77 24.3 19.8 29.6

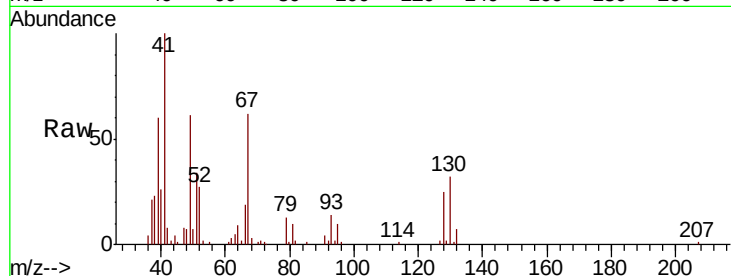




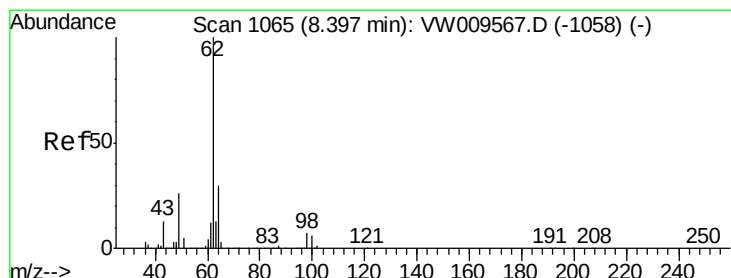
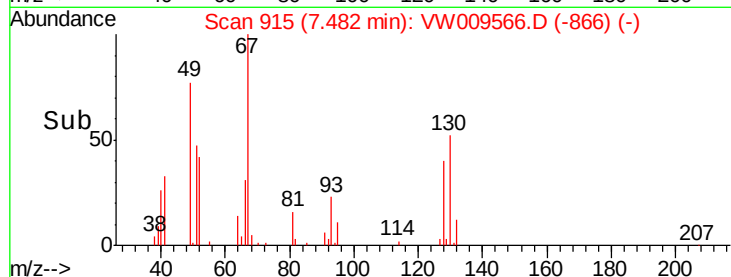
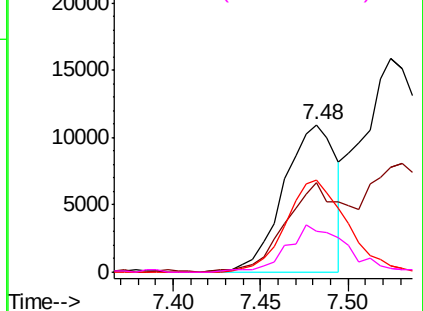
#41
Methacrylonitrile
Concen: 17.185 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	22955
Ion	Ratio	Lower	Upper
41	100		
39	73.0	52.5	78.7
67	72.1	56.6	84.8
52	37.9	27.2	40.8

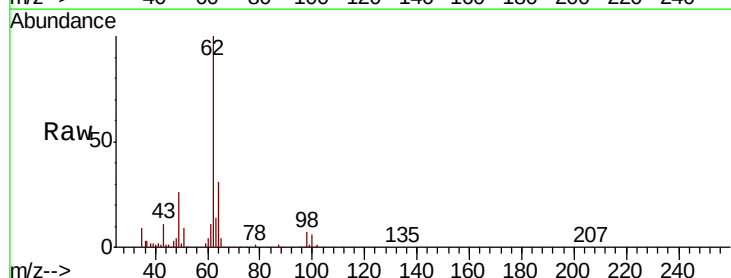


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

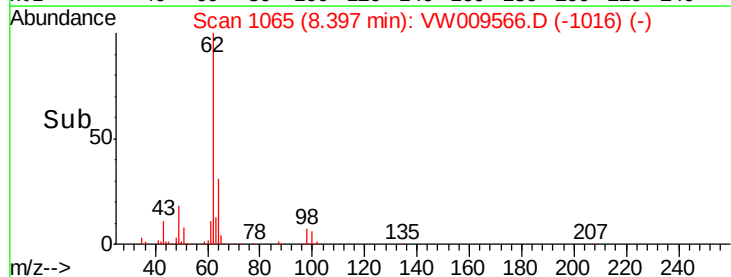
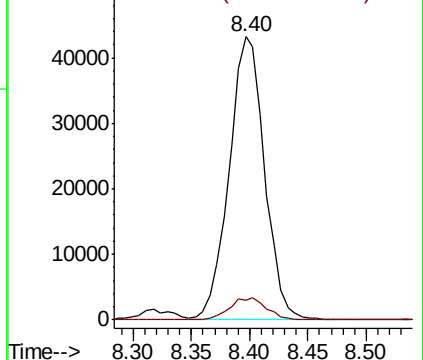


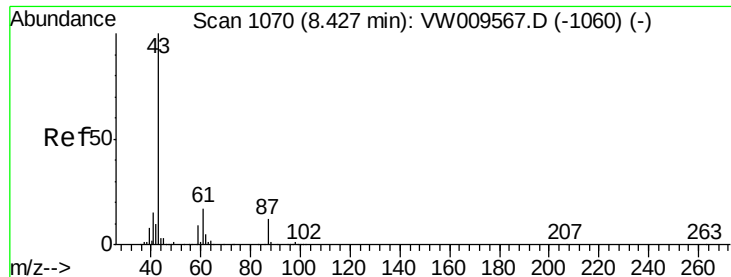
#42
1,2-Dichloroethane
Concen: 21.124 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion:	62	Resp:	91134
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	17.4



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





#43

Isopropyl Acetate

Concen: 19.728 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

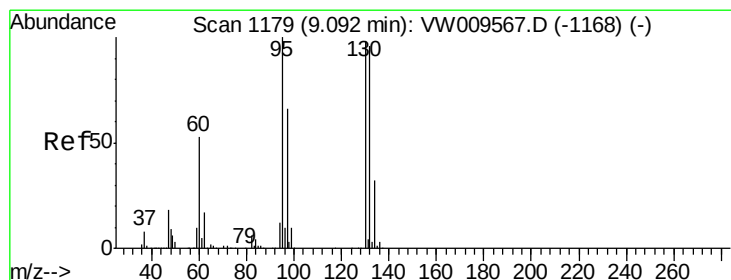
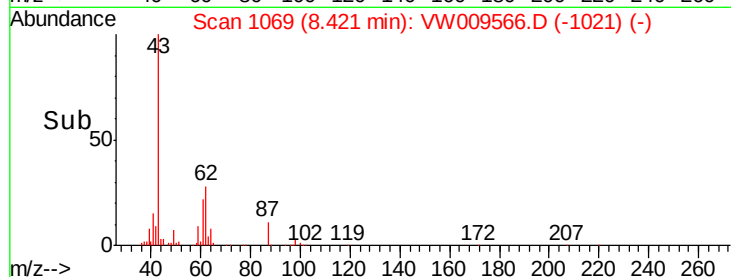
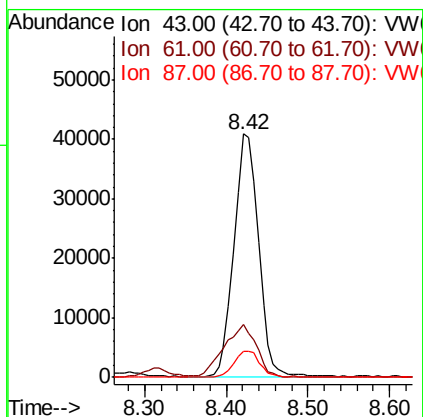
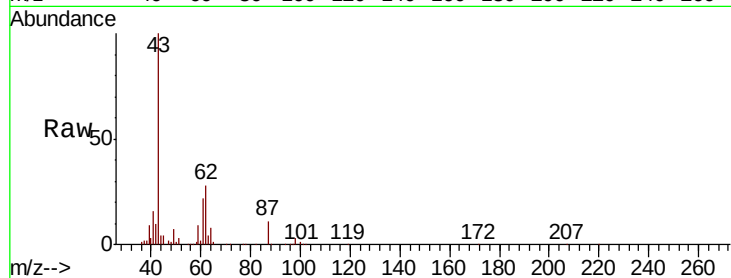
Tgt Ion: 43 Resp: 85819

Ion Ratio Lower Upper

43 100

61 28.1 22.2 33.2

87 11.1 9.6 14.4



#44

Trichloroethene

Concen: 20.707 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW009566.D

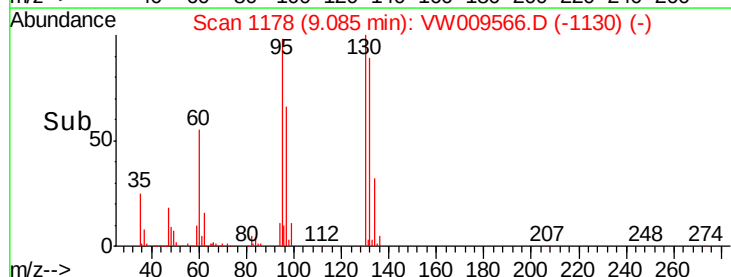
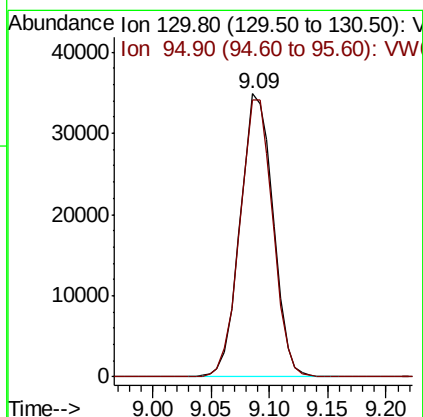
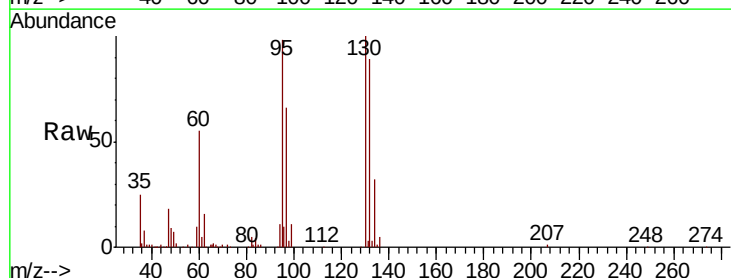
Acq: 29 Mar 2019 10:48

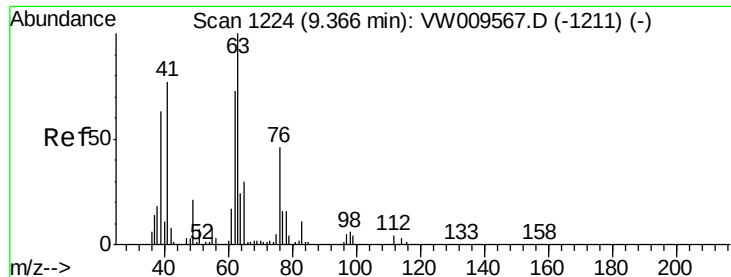
Tgt Ion: 130 Resp: 69087

Ion Ratio Lower Upper

130 100

95 97.8 0.0 192.6

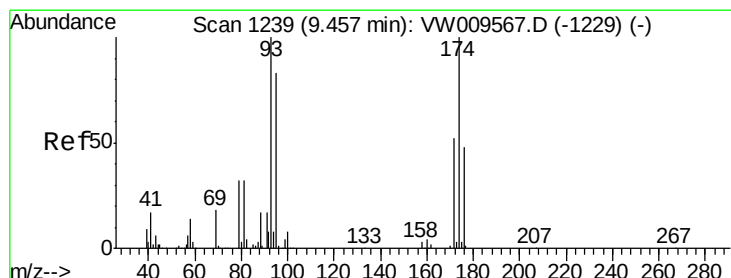
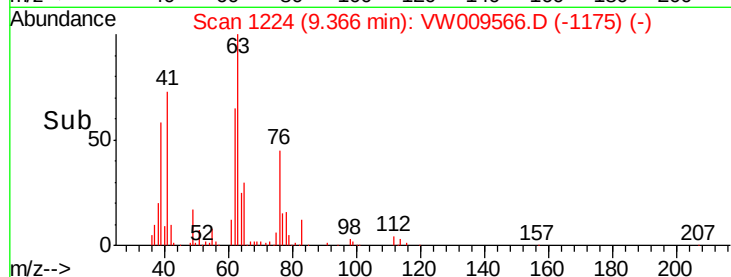
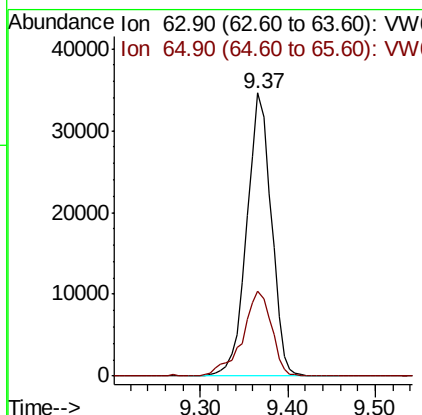
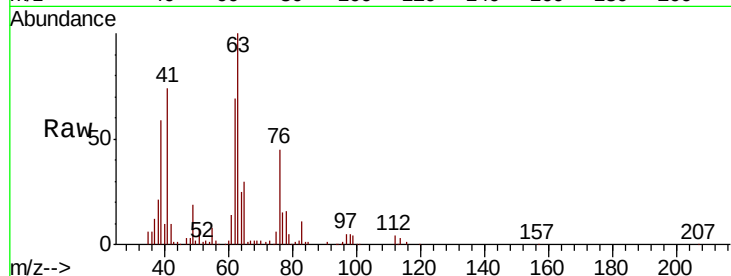




#45
 1,2-Dichloropropane
 Concen: 20.473 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

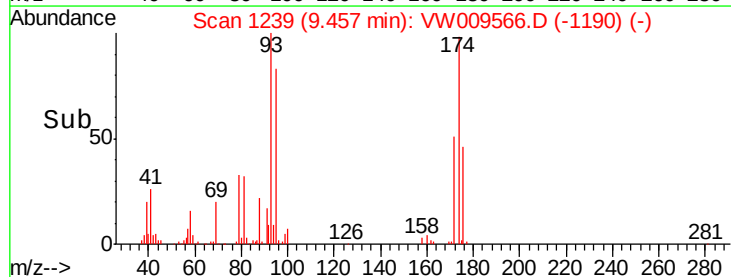
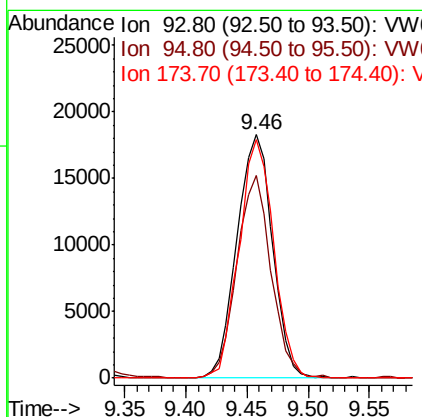
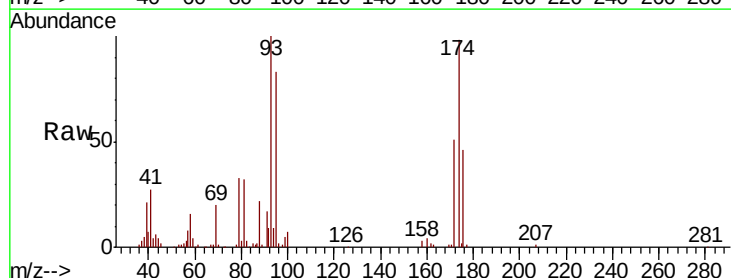
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

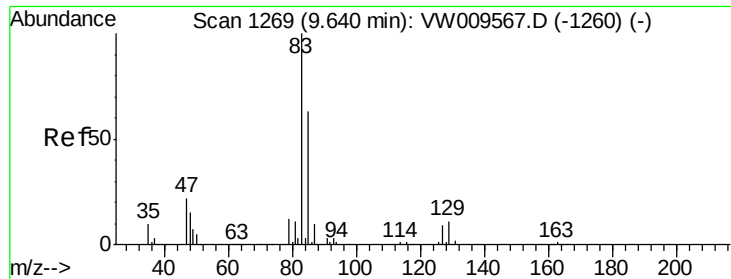
Tgt Ion: 63 Resp: 67483
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.8 38.8



#46
 Dibromomethane
 Concen: 20.975 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion: 93 Resp: 36964
 Ion Ratio Lower Upper
 93 100
 95 80.2 66.9 100.3
 174 95.7 80.8 121.2





#47

Bromodichloromethane

Concen: 20.479 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

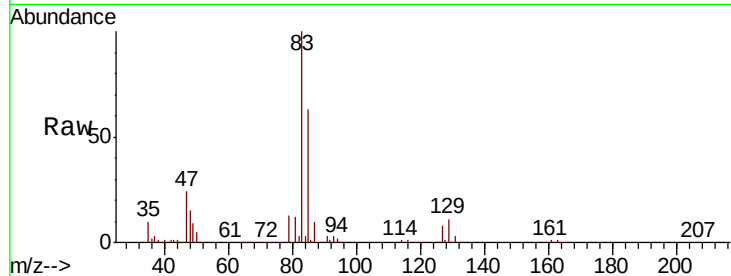
Tgt Ion: 83 Resp: 94025

Ion Ratio Lower Upper

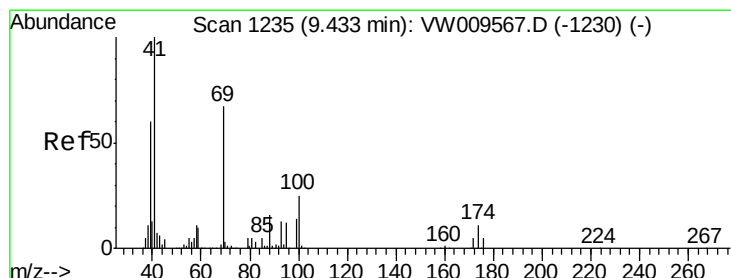
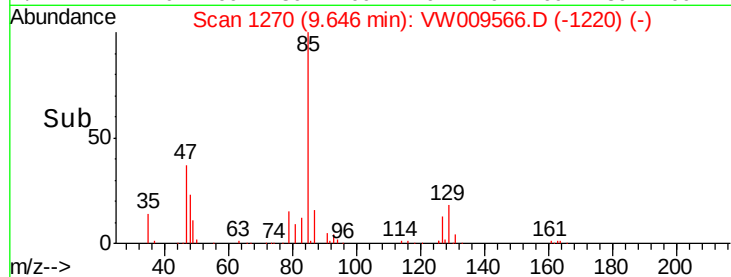
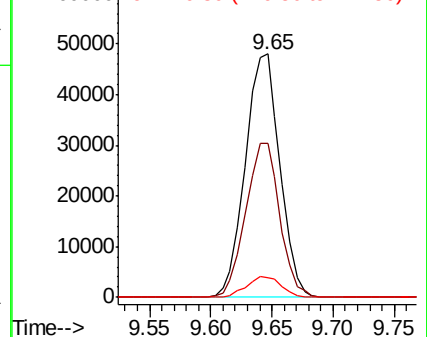
83 100

85 63.1 52.6 79.0

127 8.1 6.5 9.7



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



#48

Methyl methacrylate

Concen: 17.747 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

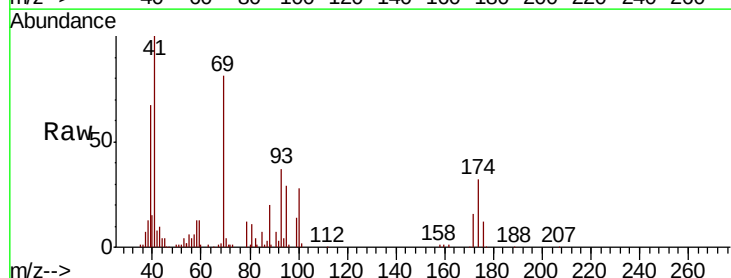
Tgt Ion: 41 Resp: 38277

Ion Ratio Lower Upper

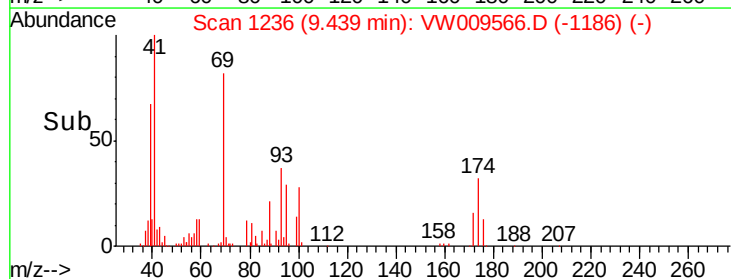
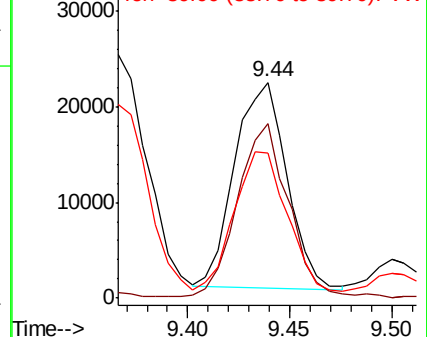
41 100

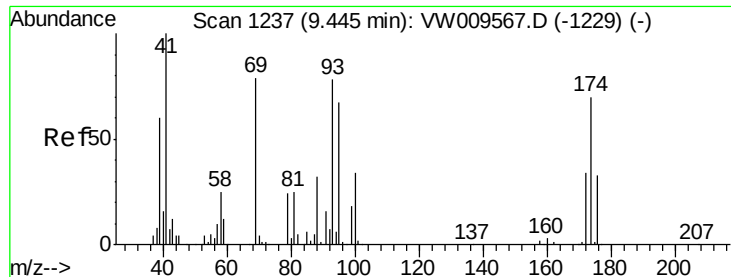
69 82.7 63.0 94.6

39 69.2 57.2 85.8



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: 398.602 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

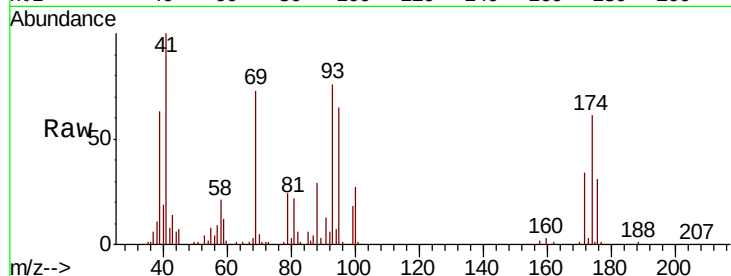
Tgt Ion: 88 Resp: 10861

Ion Ratio Lower Upper

88 100

43 36.0 29.7 44.5

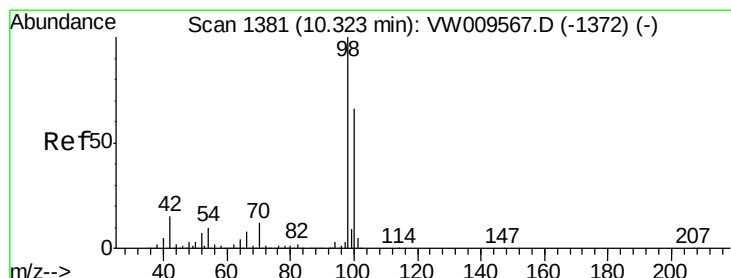
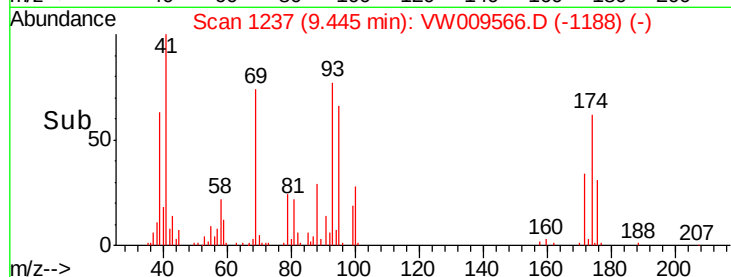
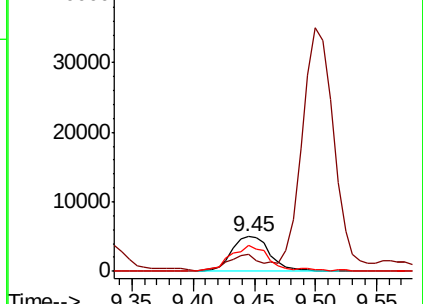
58 72.4 58.1 87.1



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 18.664 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009566.D

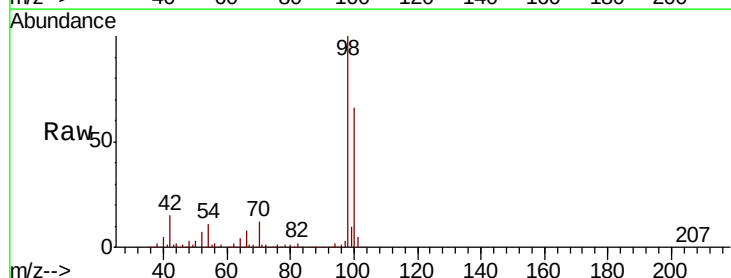
Acq: 29 Mar 2019 10:48

Tgt Ion: 98 Resp: 208789

Ion Ratio Lower Upper

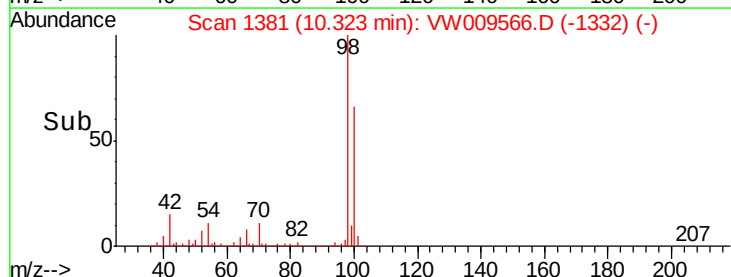
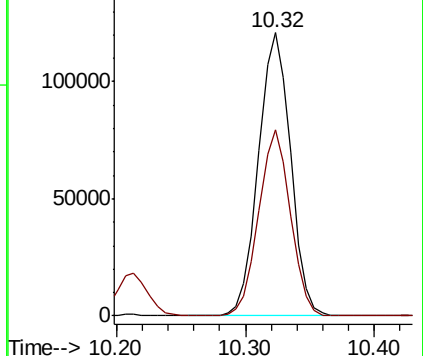
98 100

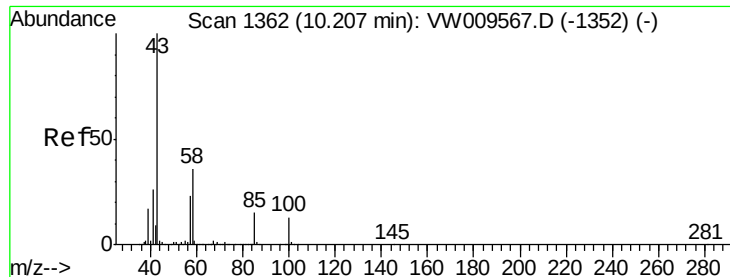
100 65.0 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 96.485 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

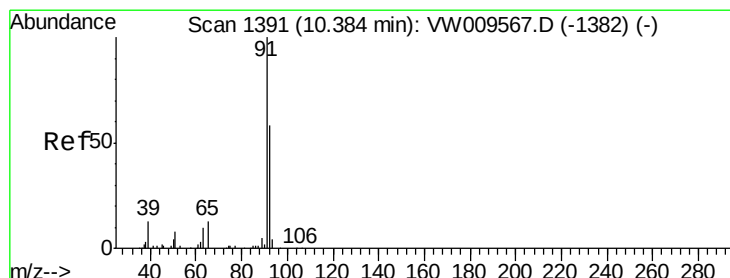
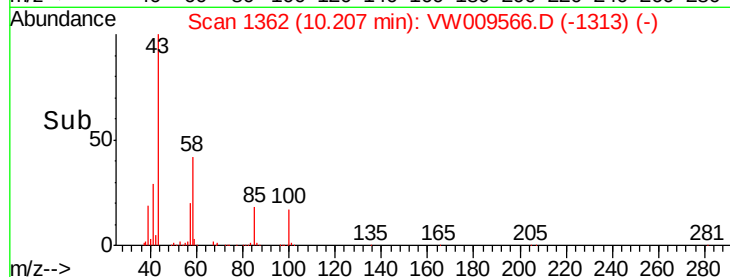
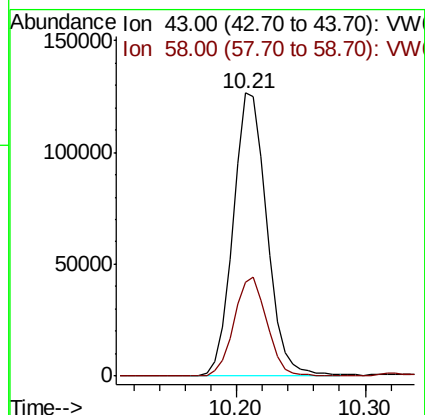
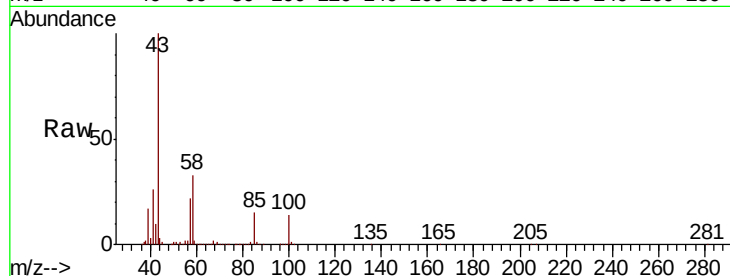
VSTDIC020

Tgt Ion: 43 Resp: 230073

Ion Ratio Lower Upper

43 100

58 34.3 28.6 42.8



#52

Toluene

Concen: 20.003 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009566.D

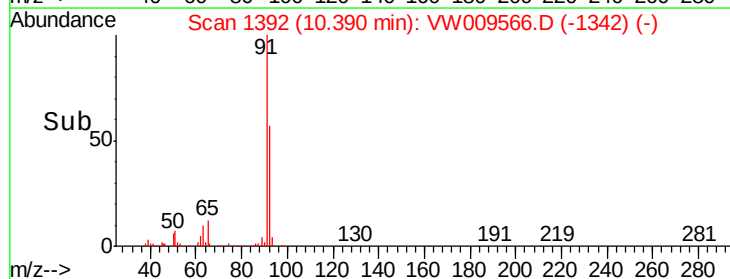
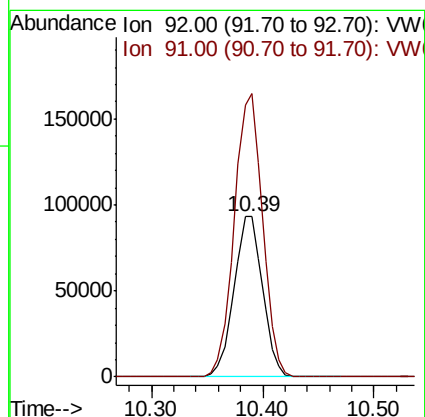
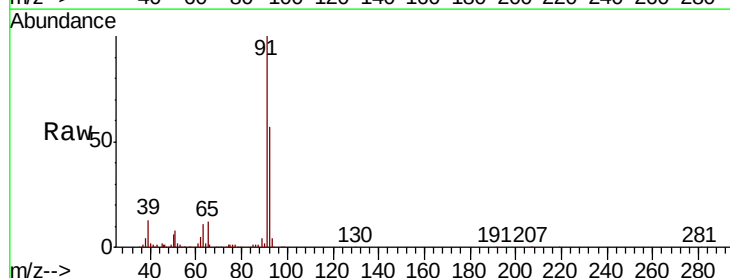
Acq: 29 Mar 2019 10:48

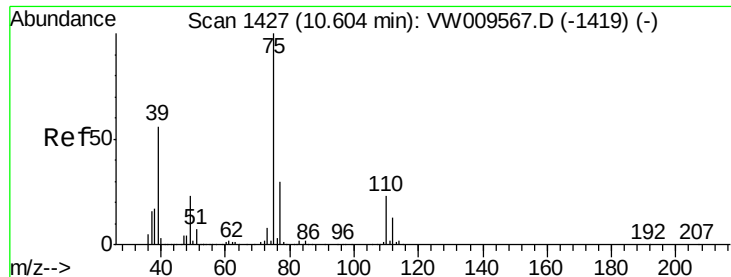
Tgt Ion: 92 Resp: 165840

Ion Ratio Lower Upper

92 100

91 175.0 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 19.110 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

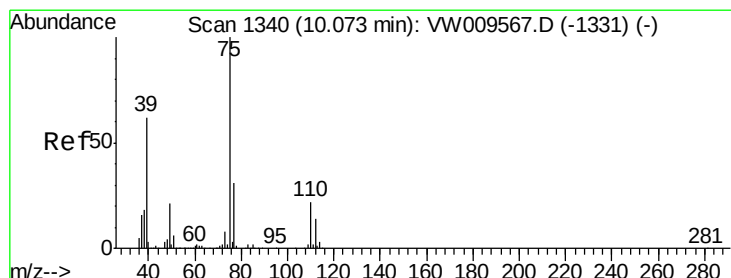
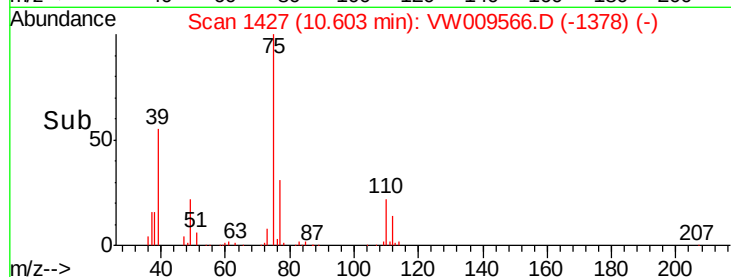
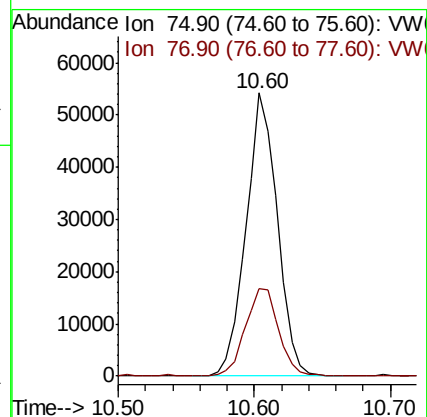
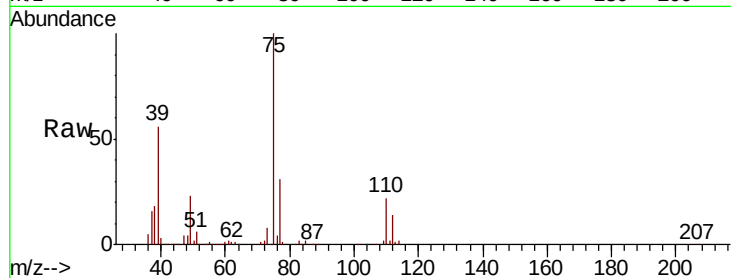
VSTDIC020

Tgt Ion: 75 Resp: 87351

Ion Ratio Lower Upper

75 100

77 30.8 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 19.442 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

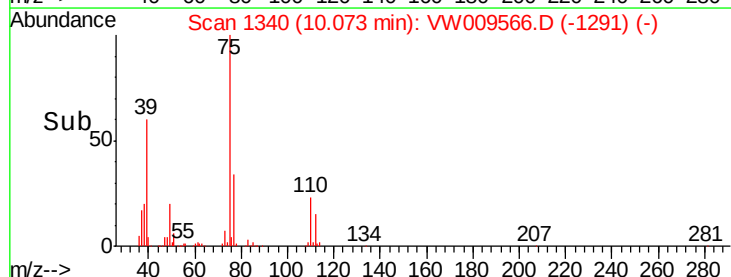
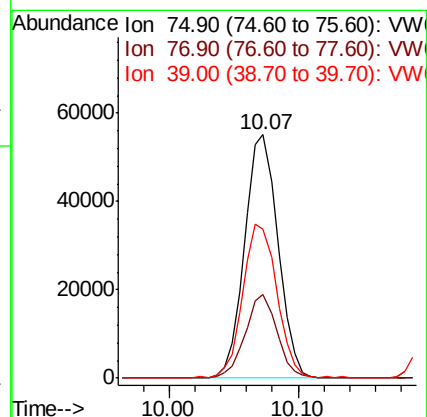
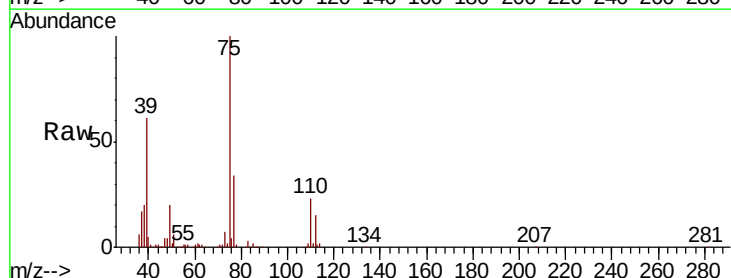
Tgt Ion: 75 Resp: 98773

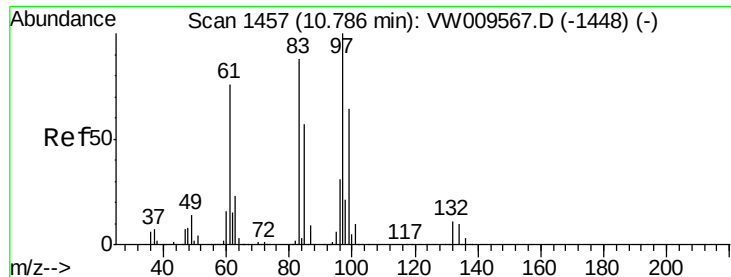
Ion Ratio Lower Upper

75 100

77 34.3 25.9 38.9

39 60.6 46.8 70.2

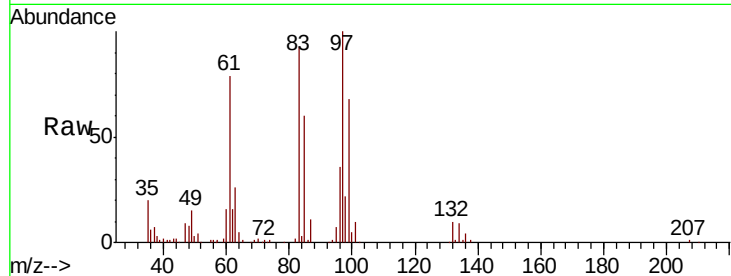




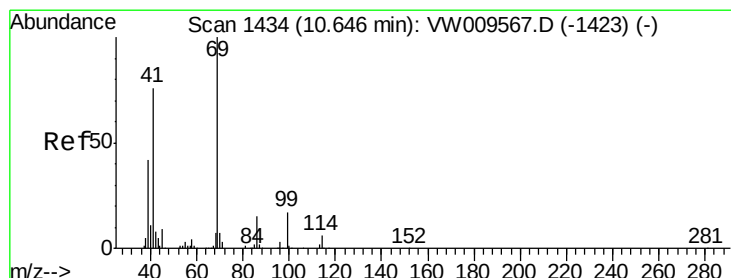
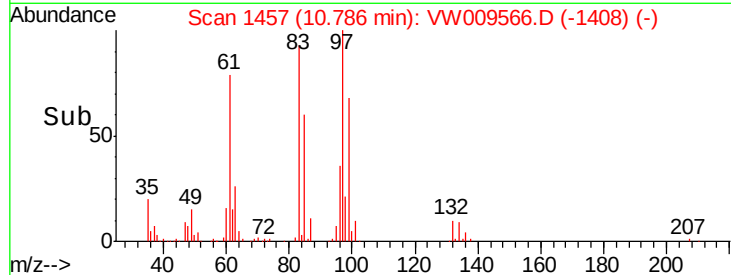
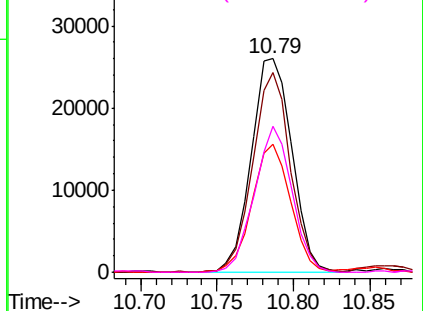
#55
 1,1,2-Trichloroethane
 Concen: 20.073 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	48113
Ion	Ratio	Lower	Upper
97	100		
83	93.1	66.3	99.5
85	60.1	41.4	62.2
99	68.4	48.7	73.1

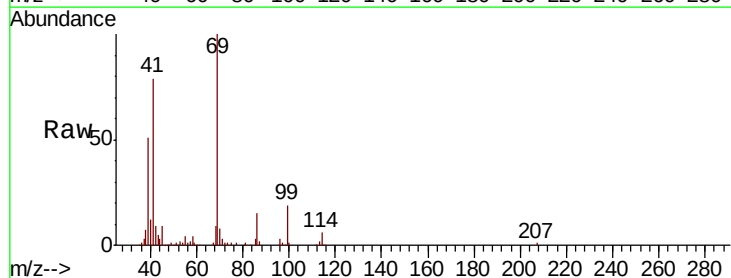


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

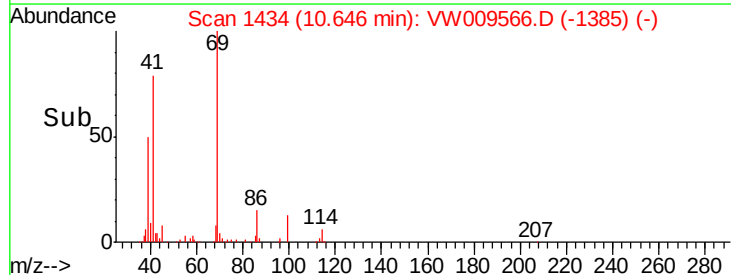
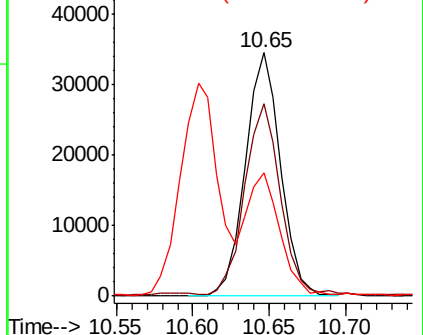


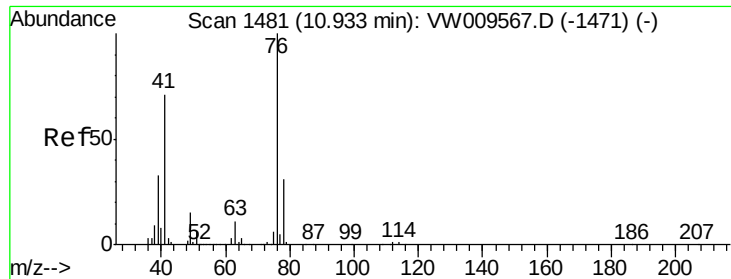
#56
 Ethyl methacrylate
 Concen: 17.691 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion:	69	Resp:	55130
Ion	Ratio	Lower	Upper
69	100		
41	79.2	59.3	88.9
39	47.6	36.2	54.2



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: 19.642 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

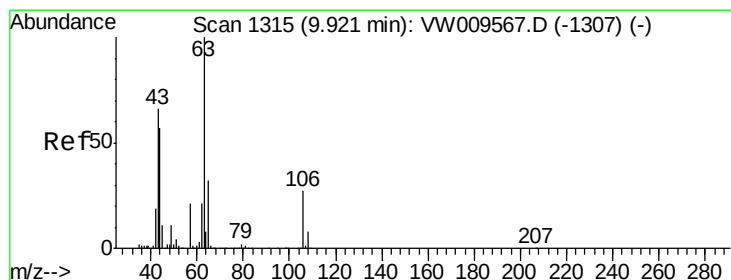
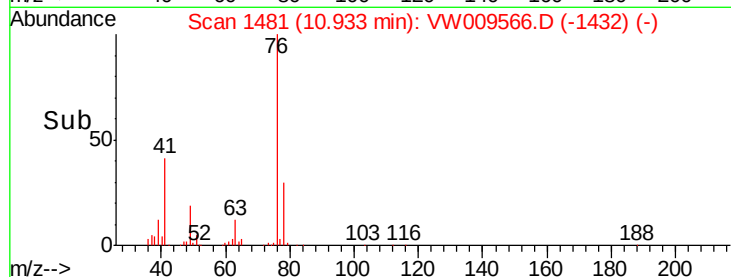
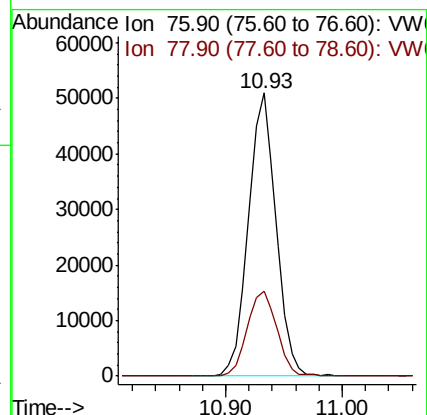
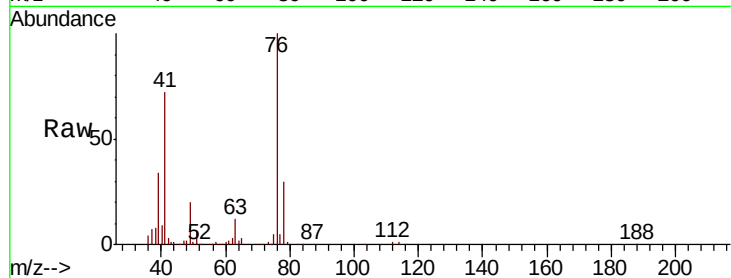
VSTDIC020

Tgt Ion: 76 Resp: 84648

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 84.168 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW009566.D

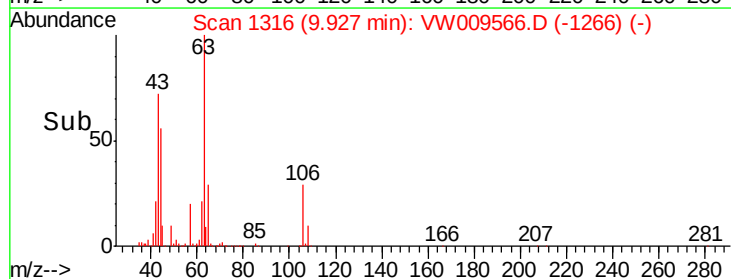
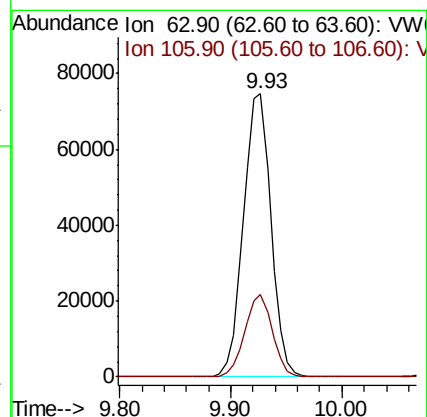
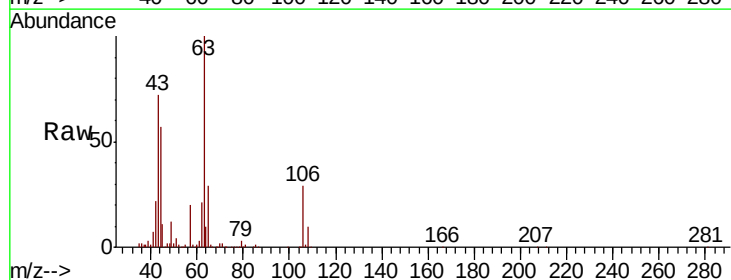
Acq: 29 Mar 2019 10:48

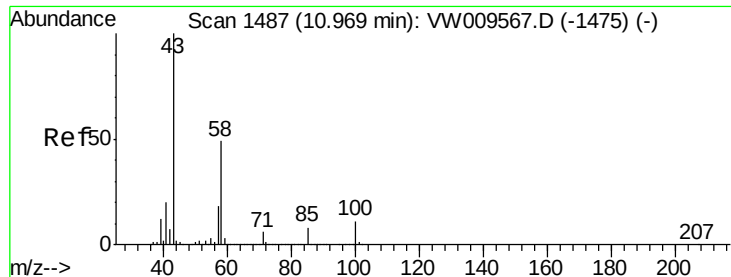
Tgt Ion: 63 Resp: 128499

Ion Ratio Lower Upper

63 100

106 29.0 22.9 34.3





#59

2-Hexanone

Concen: 92.923 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

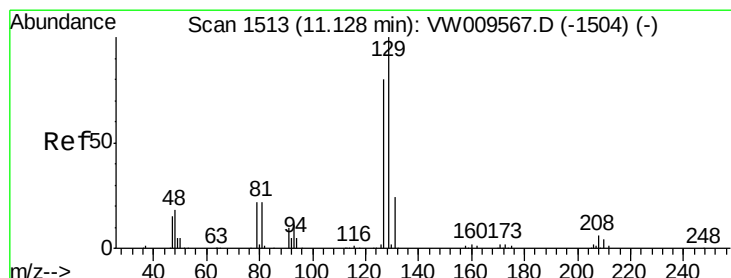
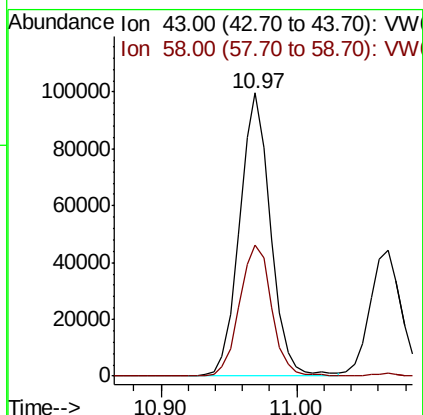
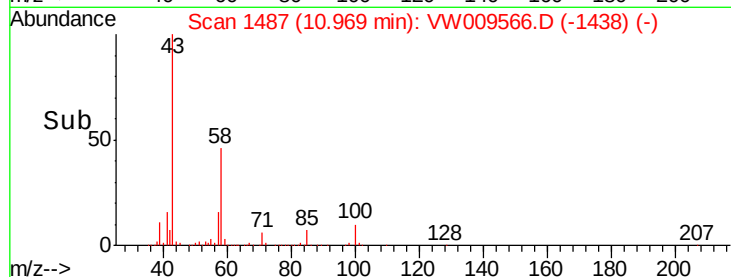
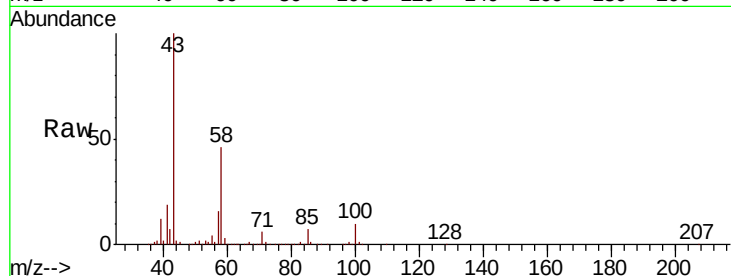
VSTDIC020

Tgt Ion: 43 Resp: 157646

Ion Ratio Lower Upper

43 100

58 48.2 24.2 72.6



#60

Dibromochloromethane

Concen: 19.924 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009566.D

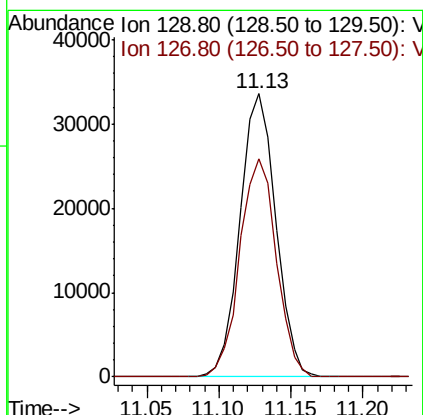
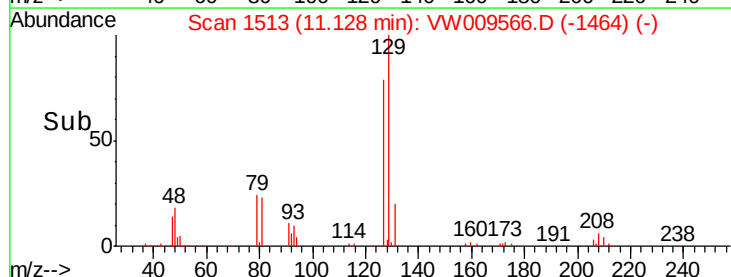
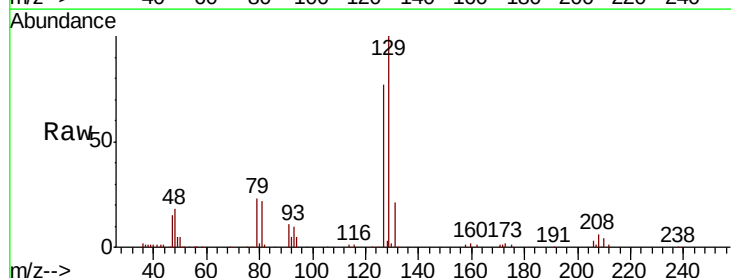
Acq: 29 Mar 2019 10:48

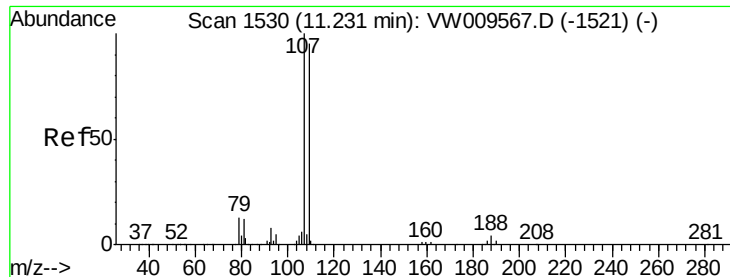
Tgt Ion: 129 Resp: 57987

Ion Ratio Lower Upper

129 100

127 78.6 38.1 114.5

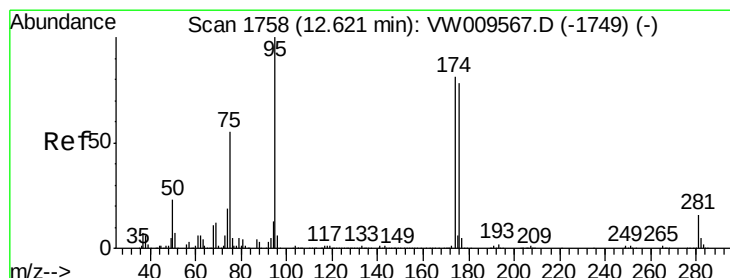
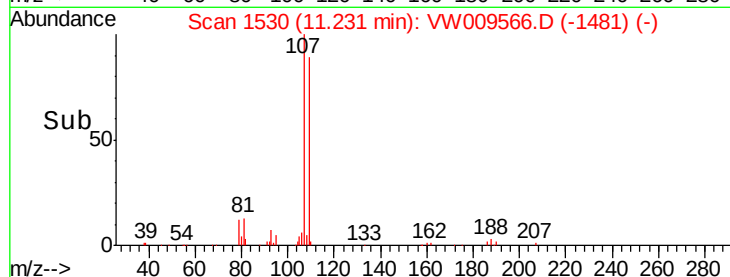
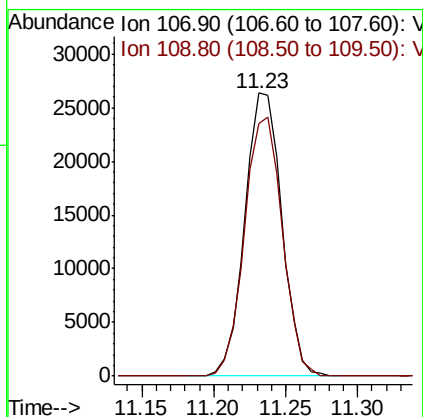
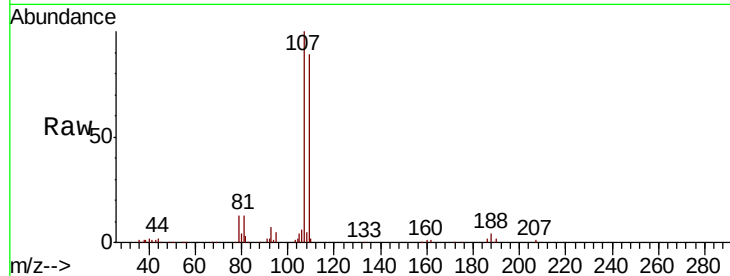




#61
 1,2-Dibromoethane
 Concen: 20.243 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

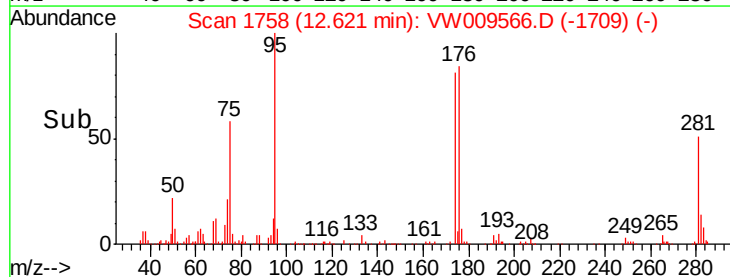
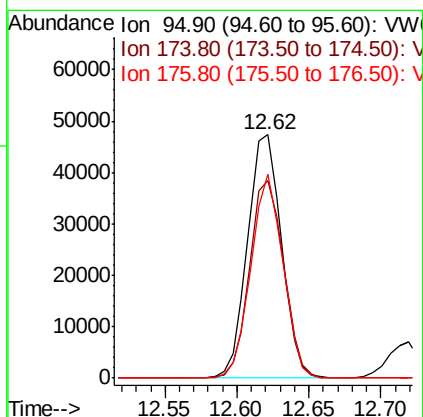
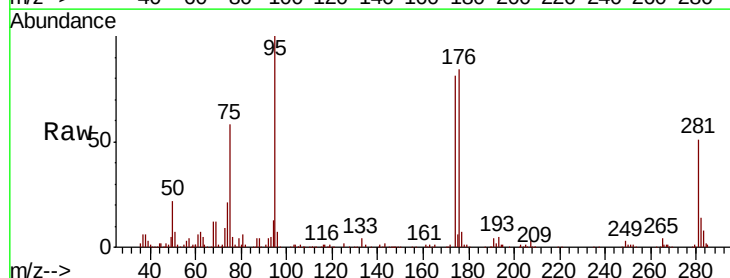
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

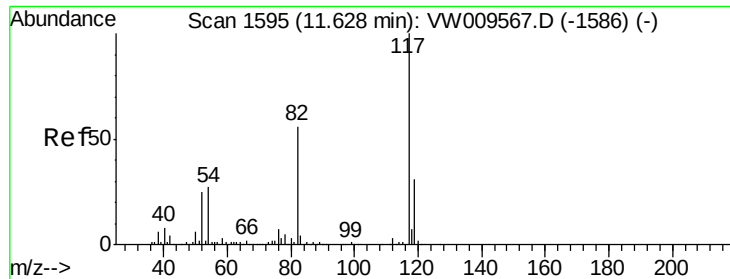
Tgt Ion: 107 Resp: 46828
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 18.480 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion: 95 Resp: 77120
 Ion Ratio Lower Upper
 95 100
 174 81.7 0.0 168.4
 176 79.0 0.0 161.6

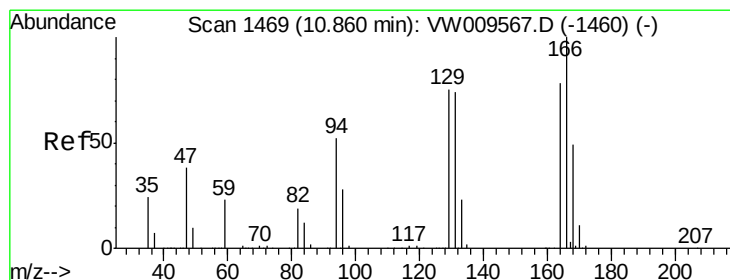
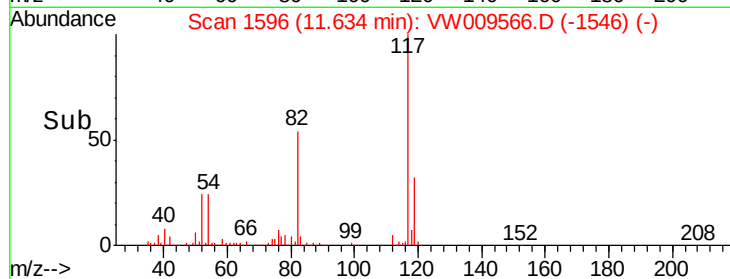
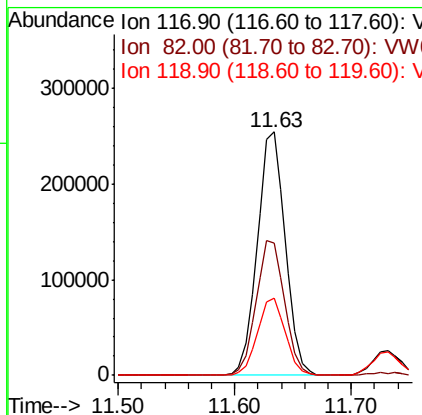
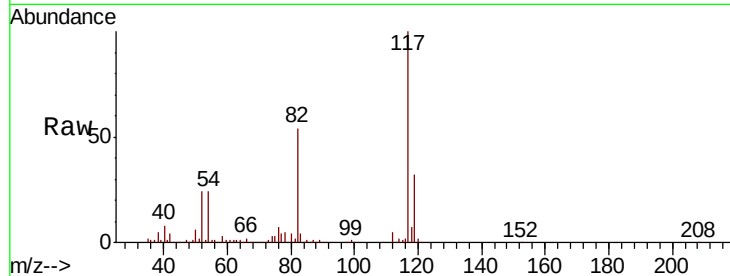




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

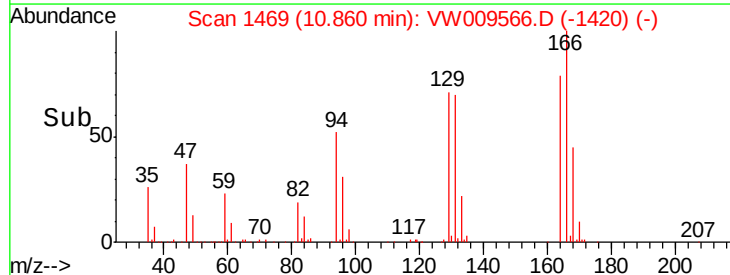
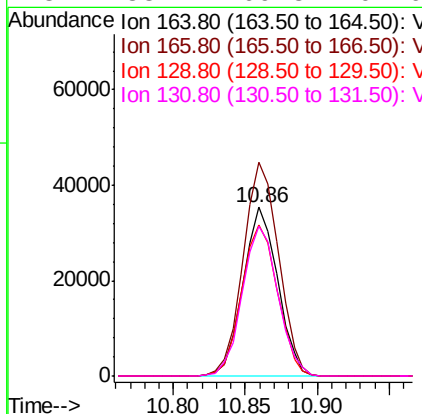
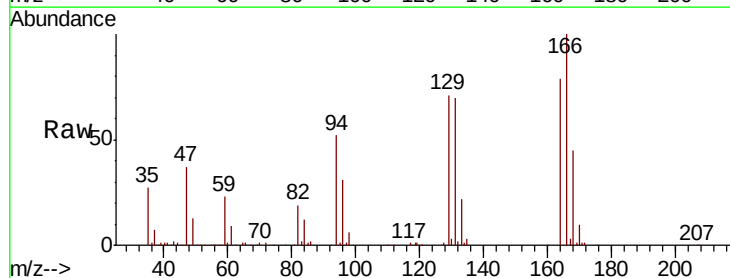
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

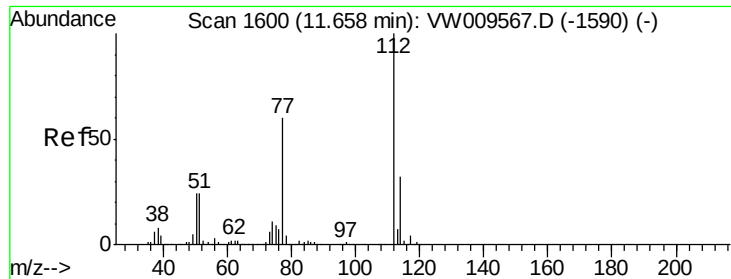
Tgt Ion:117 Resp: 426347
Ion Ratio Lower Upper
117 100
82 54.2 43.6 65.4
119 31.7 26.0 39.0



#64
Tetrachloroethene
Concen: 20.849 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion:164 Resp: 59030
Ion Ratio Lower Upper
164 100
166 126.5 100.9 151.3
129 89.2 72.0 108.0
131 88.4 69.8 104.6

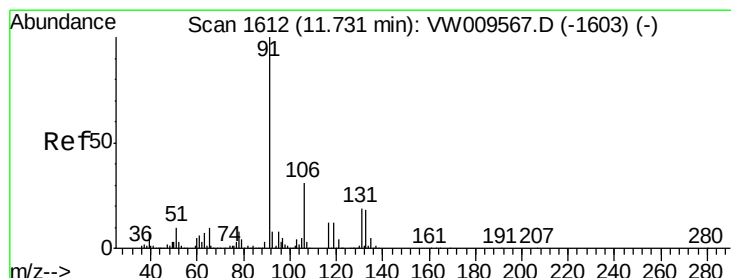
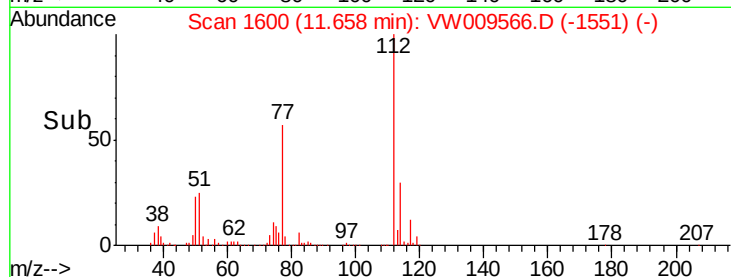
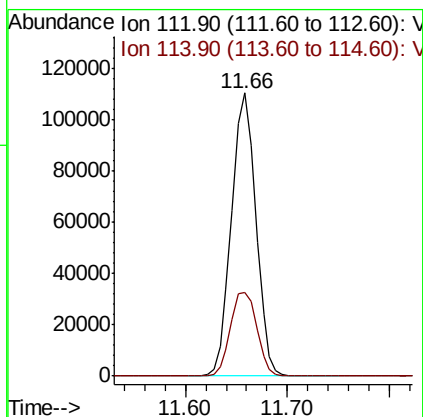
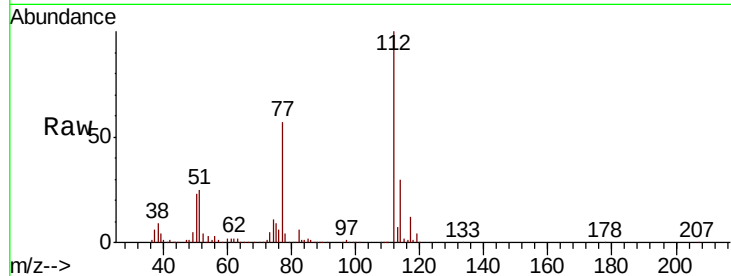




#65
Chlorobenzene
Concen: 20.504 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

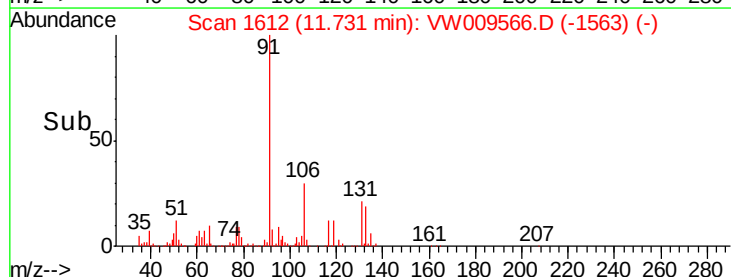
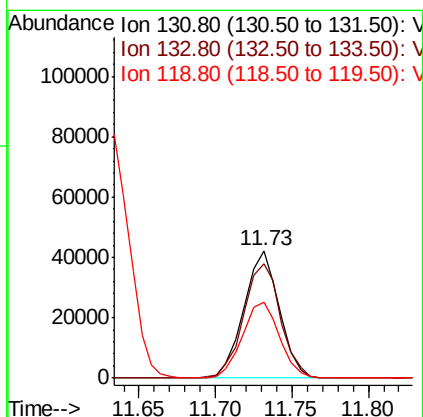
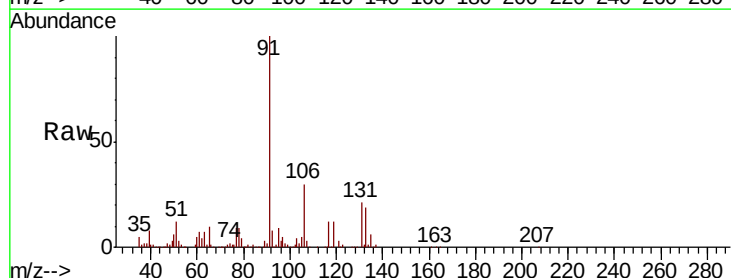
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

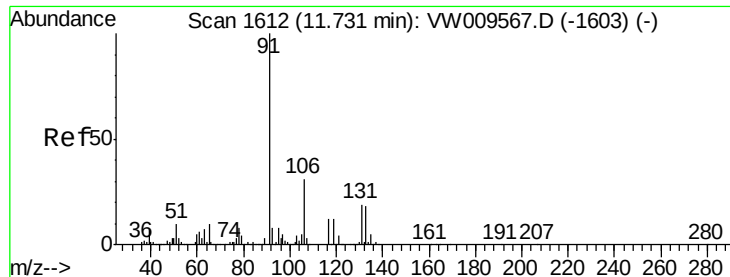
Tgt Ion:112 Resp: 182669
Ion Ratio Lower Upper
112 100
114 29.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.710 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion:131 Resp: 67786
Ion Ratio Lower Upper
131 100
133 93.7 47.3 141.8
119 62.6 31.6 95.0





#67

Ethyl Benzene

Concen: 19.664 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

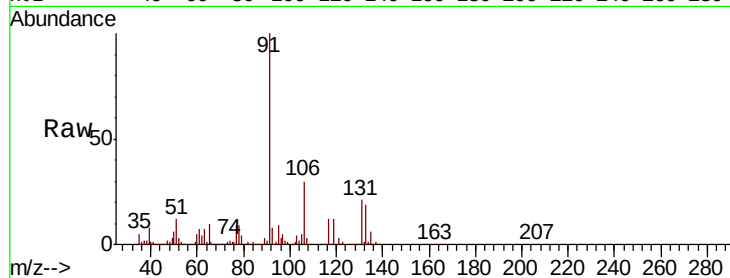
VSTDIC020

Tgt Ion: 91 Resp: 320910

Ion Ratio Lower Upper

91 100

106 30.0 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

200000

150000

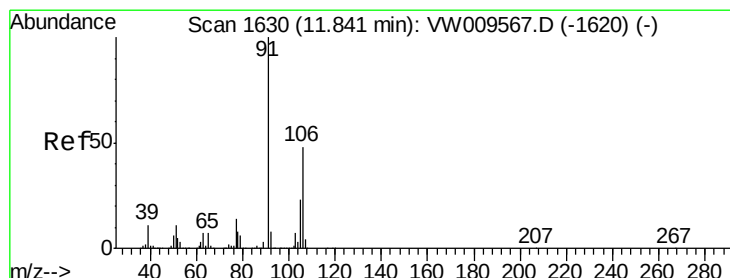
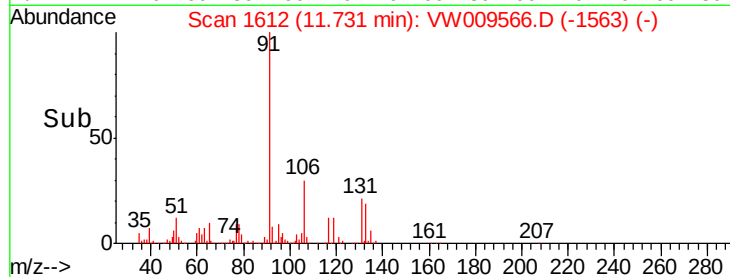
100000

50000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 40.312 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009566.D

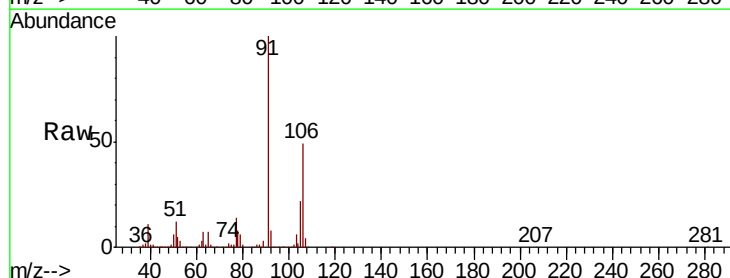
Acq: 29 Mar 2019 10:48

Tgt Ion: 106 Resp: 249998

Ion Ratio Lower Upper

106 100

91 205.0 163.1 244.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

250000

200000

150000

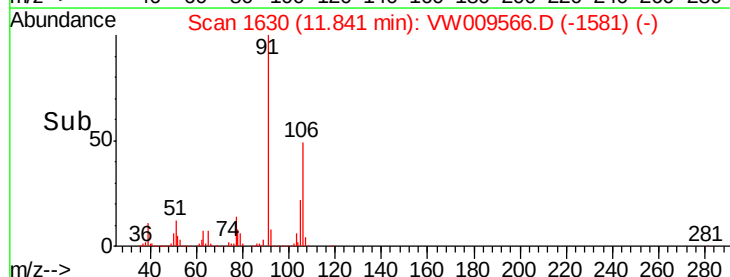
100000

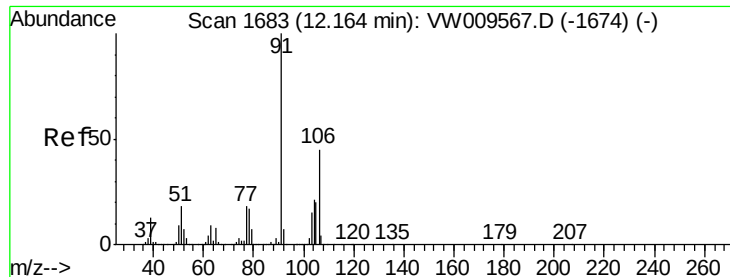
50000

0

11.80 11.84 11.88

Time-->

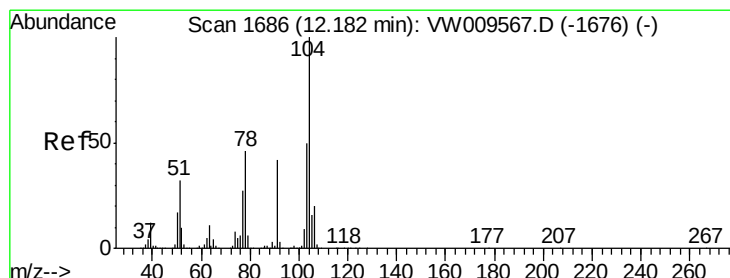
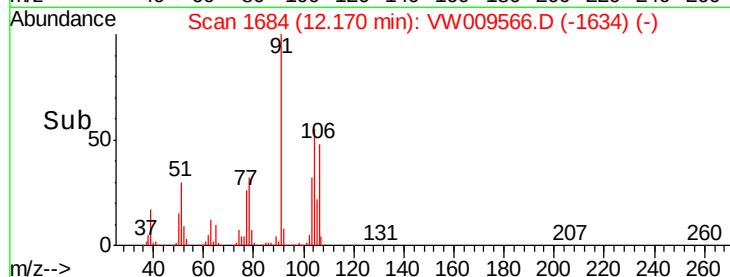
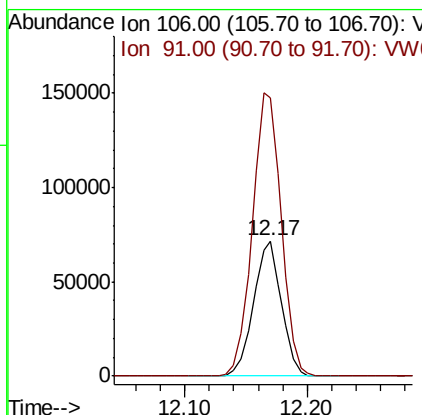
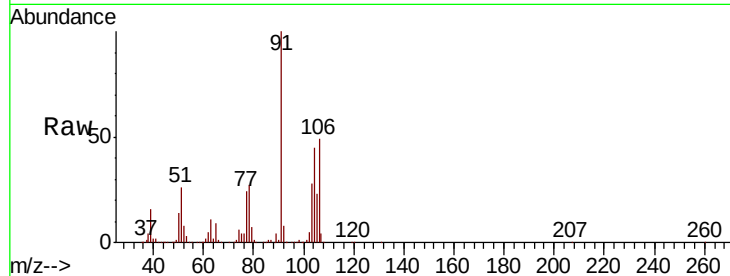




#69
o-Xylene
Concen: 19.570 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

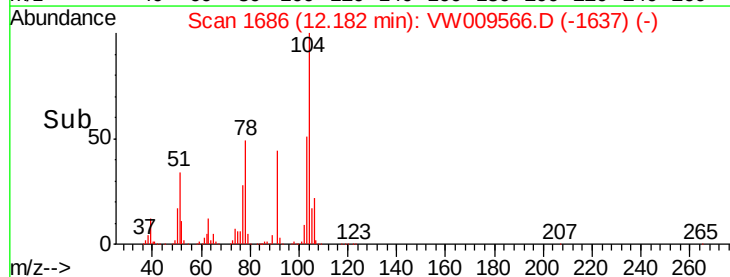
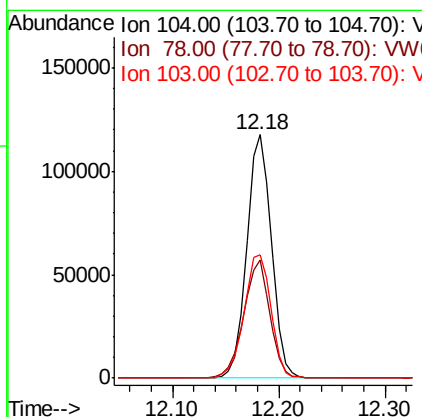
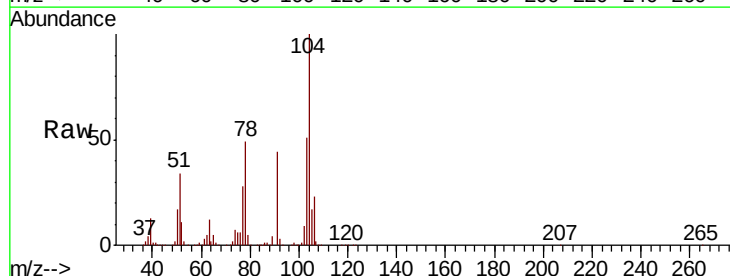
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

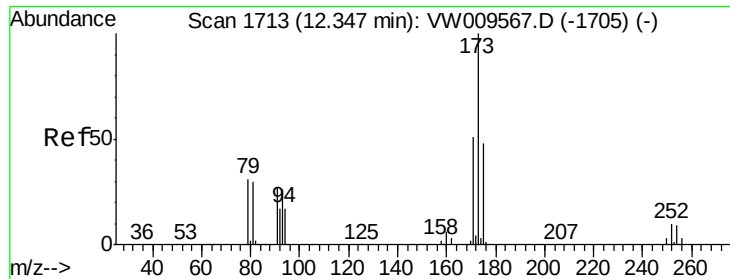
Tgt Ion:106 Resp: 113852
Ion Ratio Lower Upper
106 100
91 217.5 108.6 325.8



#70
Styrene
Concen: 19.531 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion:104 Resp: 191974
Ion Ratio Lower Upper
104 100
78 51.6 42.2 63.4
103 55.4 44.6 66.8

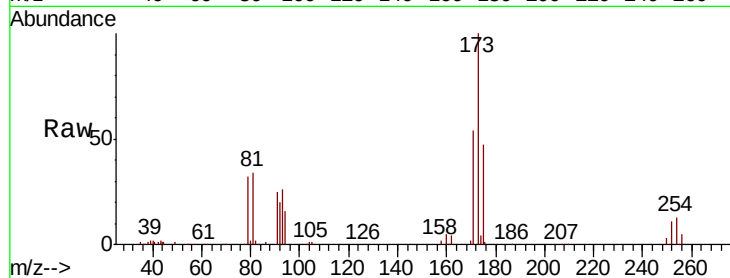




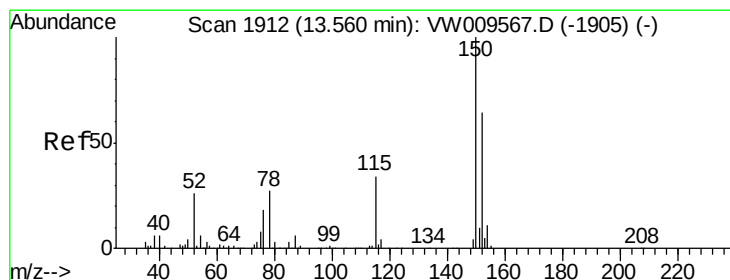
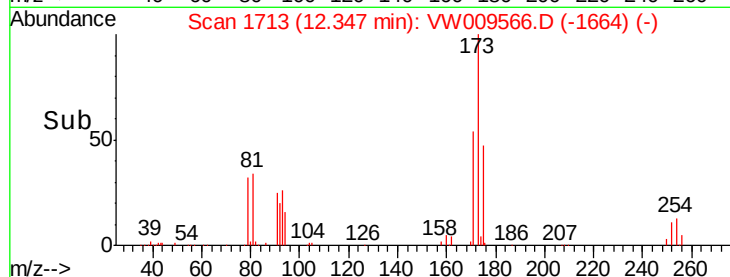
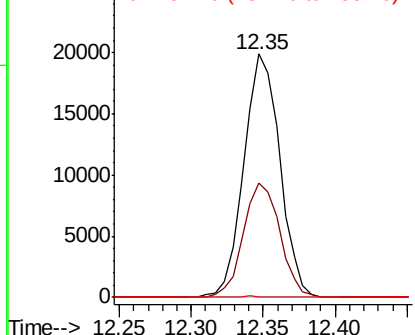
#71
Bromoform
Concen: 19.438 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:173 Resp: 34334
Ion Ratio Lower Upper
173 100
175 47.6 24.1 72.4
254 0.4 0.2 0.4

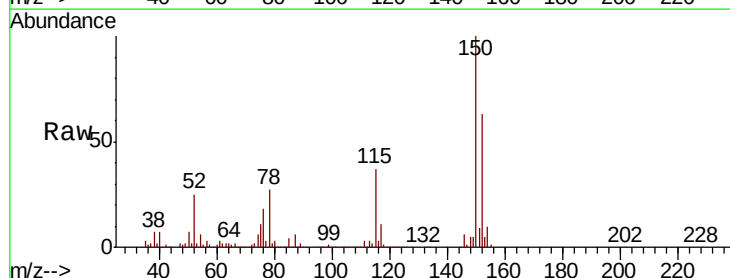


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

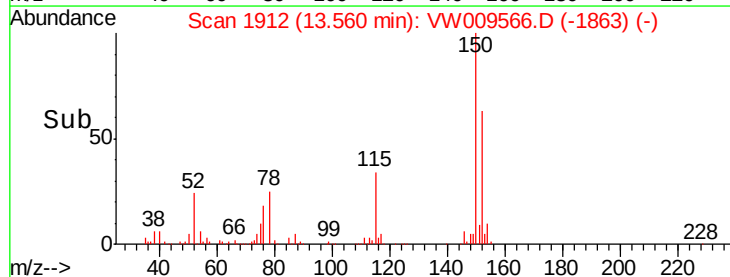
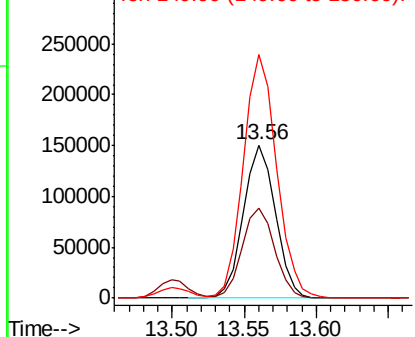


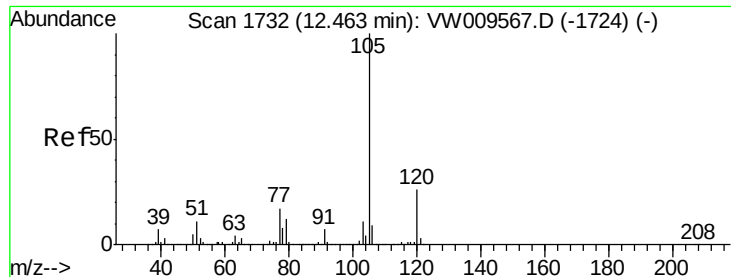
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion:152 Resp: 230826
Ion Ratio Lower Upper
152 100
115 59.9 29.6 88.8
150 165.9 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

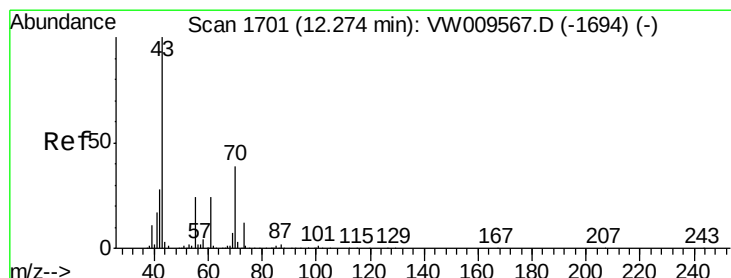
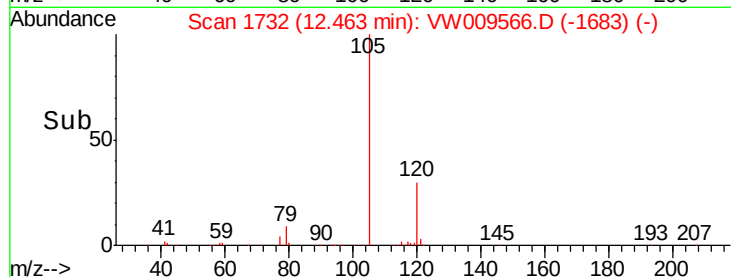
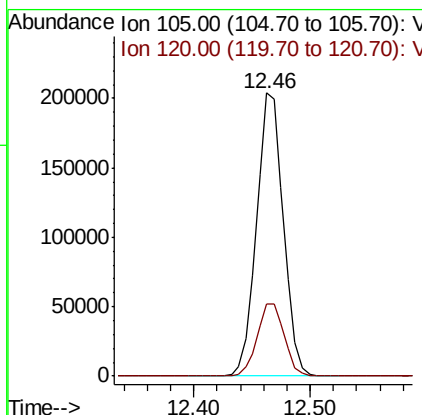
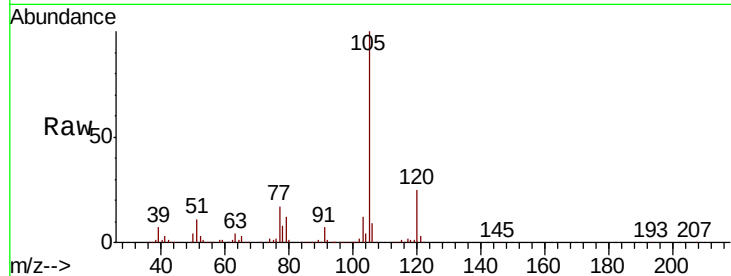




#73
Isopropylbenzene
Concen: 19.169 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

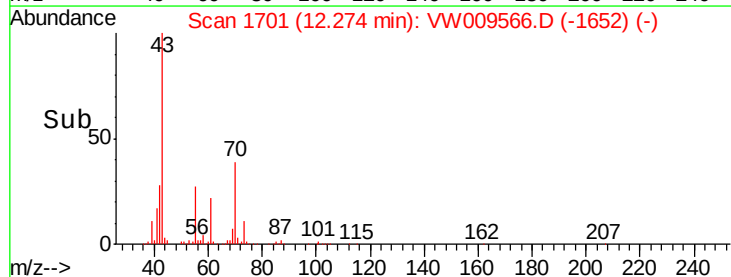
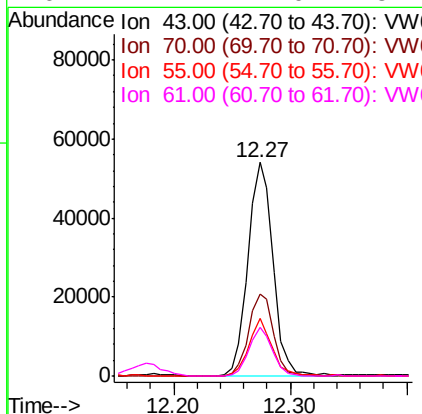
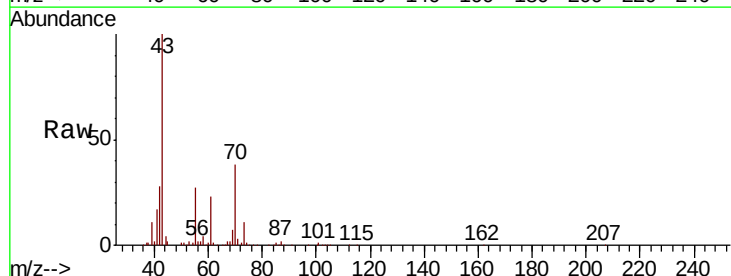
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

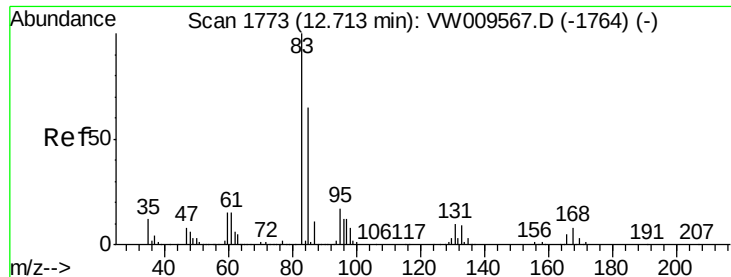
Tgt Ion: 105 Resp: 326813
Ion Ratio Lower Upper
105 100
120 26.0 13.0 39.0



#74
N-ethyl acetate
Concen: 18.979 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion: 43 Resp: 81595
Ion Ratio Lower Upper
43 100
70 38.1 30.6 46.0
55 25.2 19.3 28.9
61 21.2 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.130 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

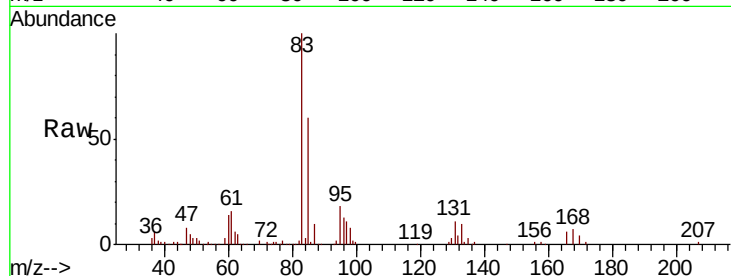
Tgt Ion: 83 Resp: 60527

Ion Ratio Lower Upper

83 100

131 10.8 5.3 16.1

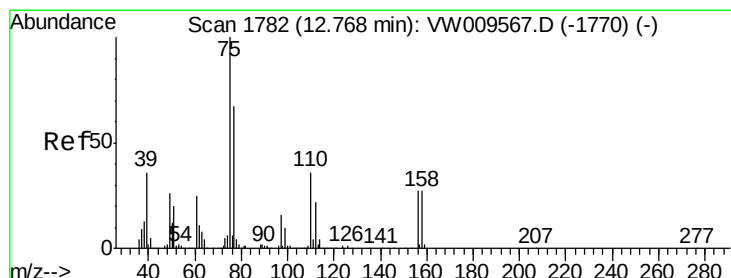
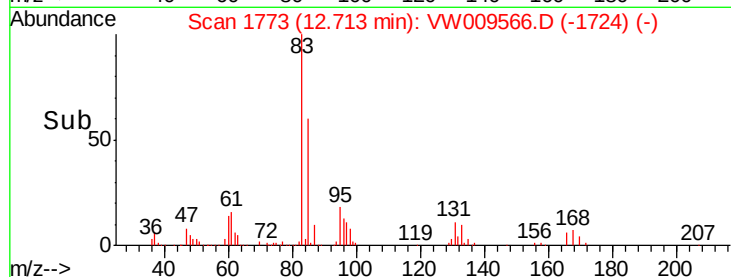
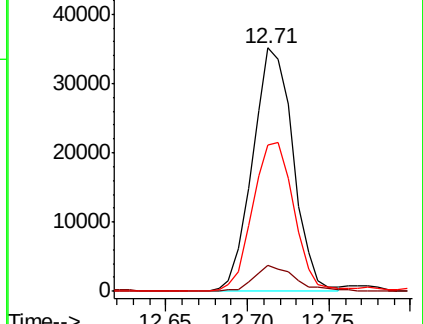
85 62.2 32.6 97.8



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: 36.803 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009566.D

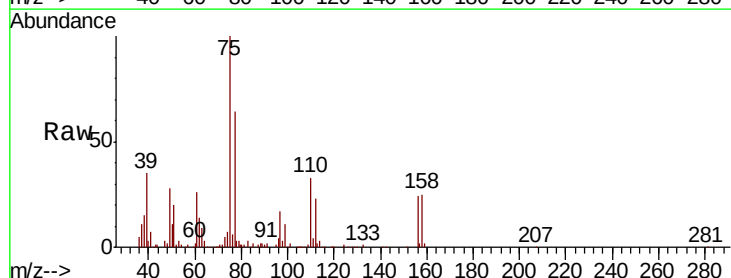
Acq: 29 Mar 2019 10:48

Tgt Ion: 75 Resp: 80345

Ion Ratio Lower Upper

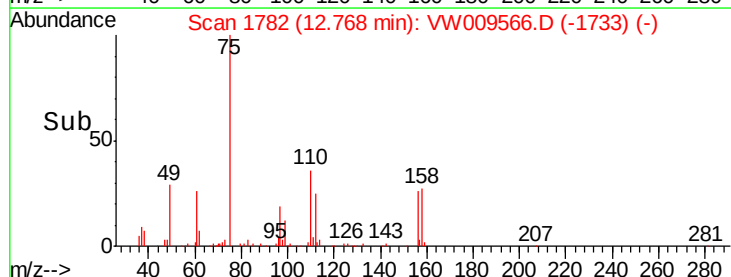
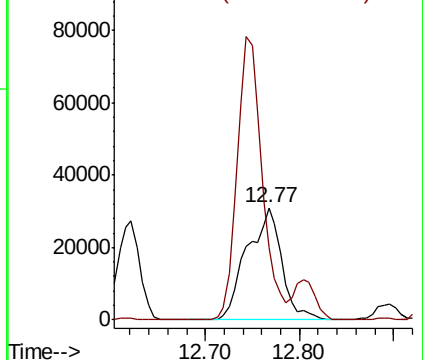
75 100

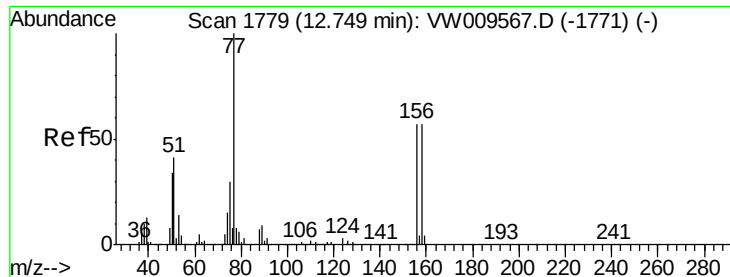
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.234 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

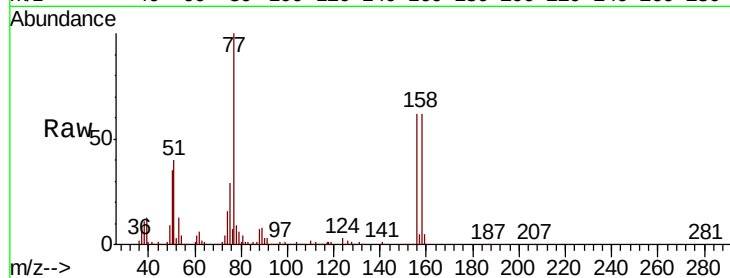
Tgt Ion:156 Resp: 76890

Ion Ratio Lower Upper

156 100

77 188.8 96.0 288.0

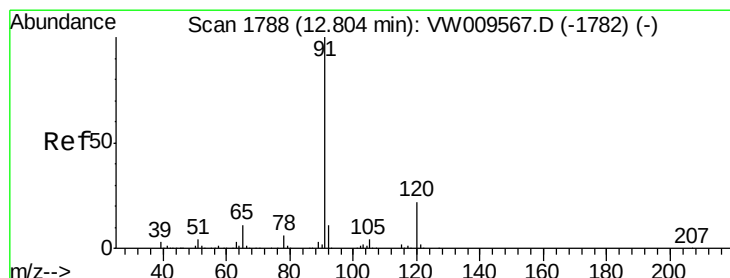
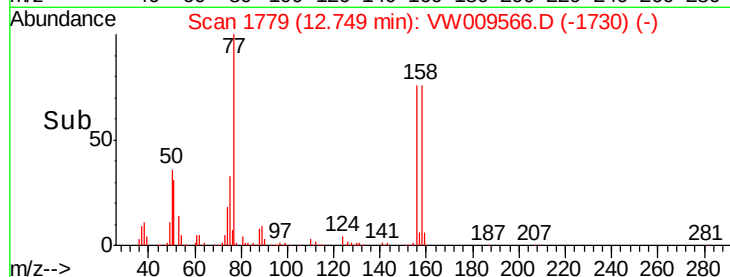
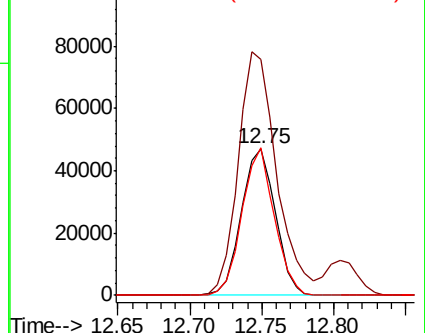
158 95.6 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.270 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009566.D

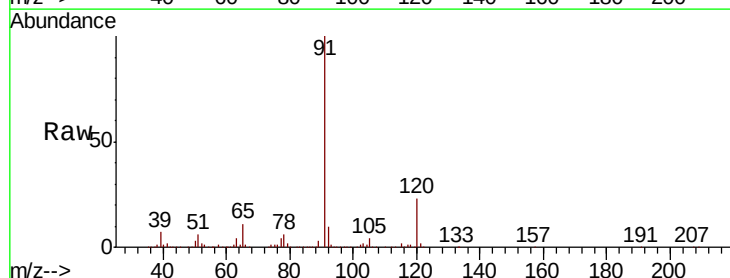
Acq: 29 Mar 2019 10:48

Tgt Ion: 91 Resp: 404728

Ion Ratio Lower Upper

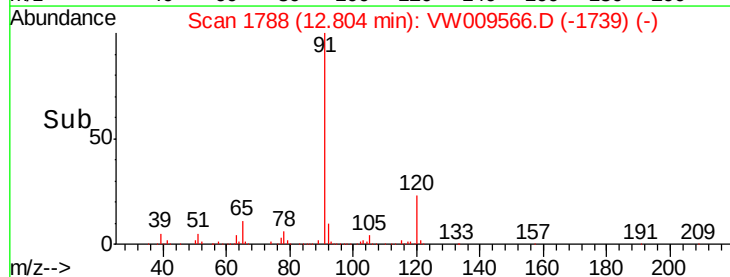
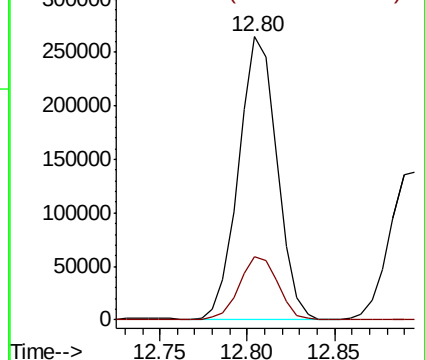
91 100

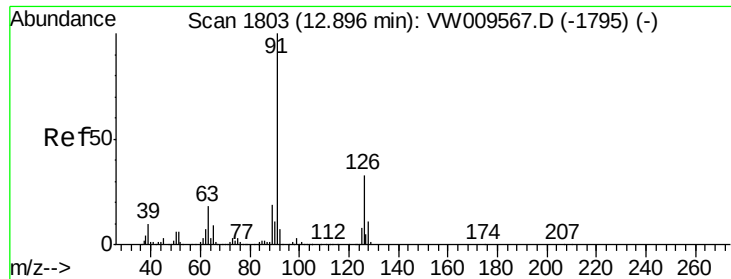
120 22.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

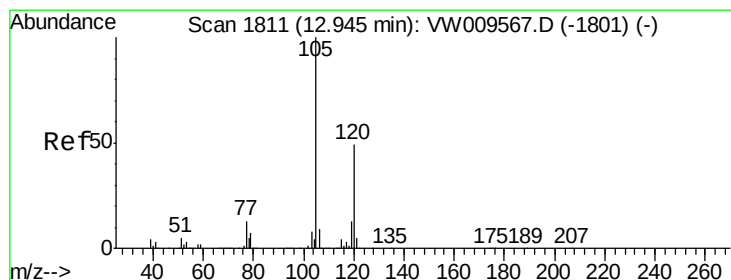
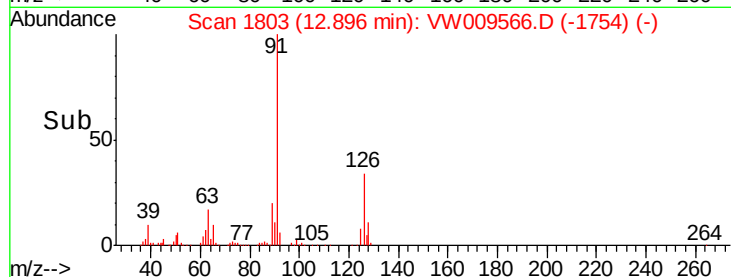
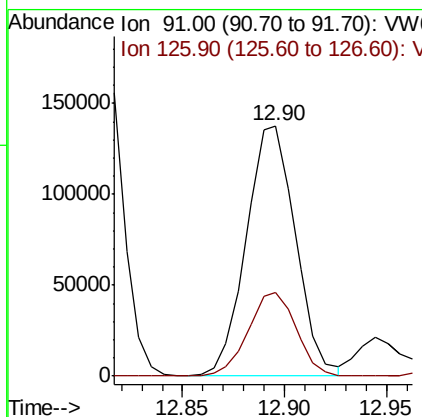
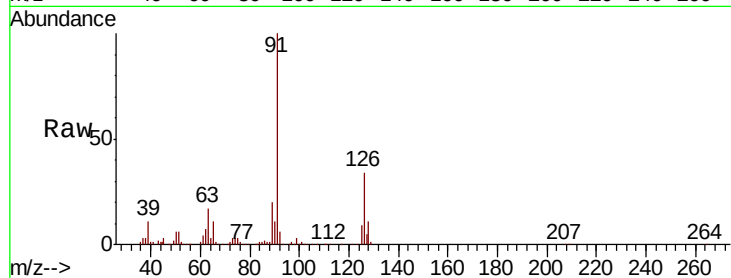




#79
 2-Chlorotoluene
 Concen: 19.597 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

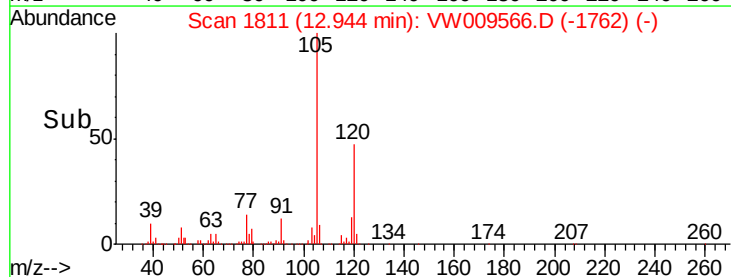
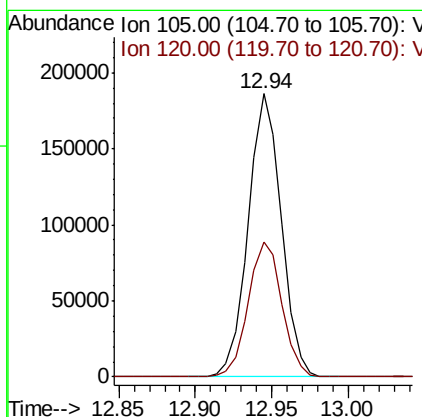
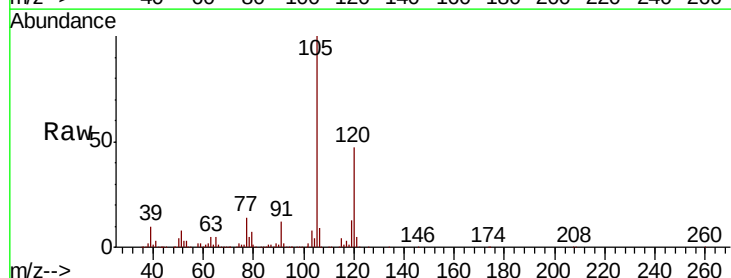
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

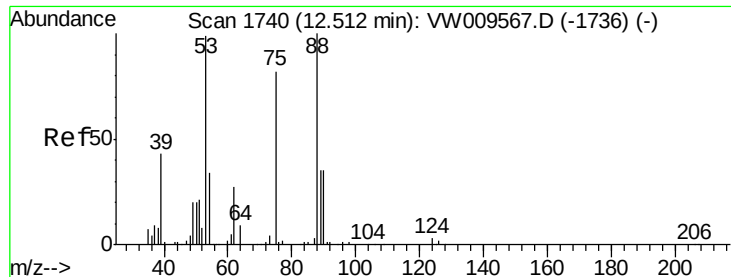
Tgt Ion: 91 Resp: 231277
 Ion Ratio Lower Upper
 91 100
 126 32.7 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 19.364 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion: 105 Resp: 279382
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.020 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

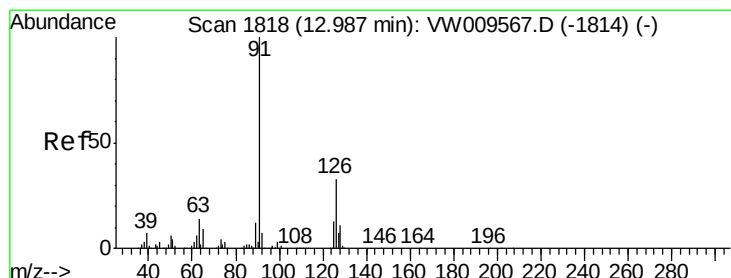
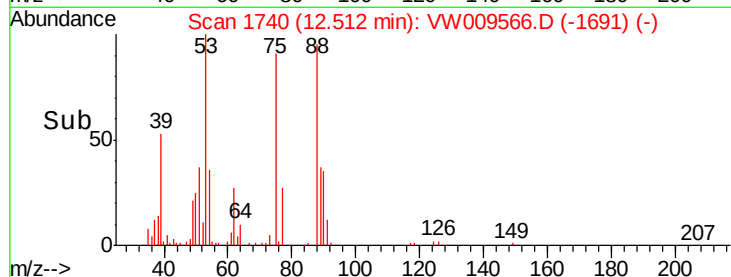
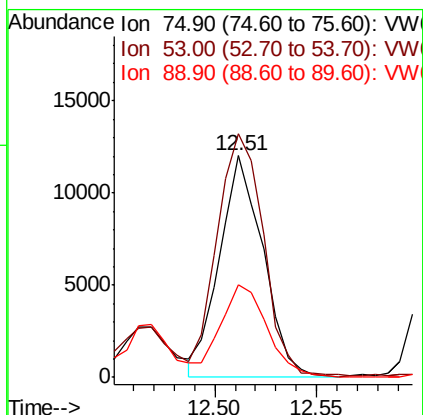
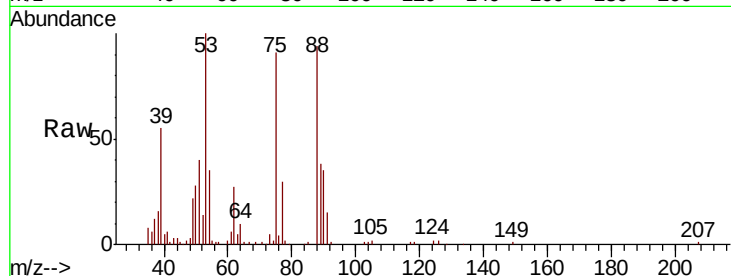
Tgt Ion: 75 Resp: 17786

Ion Ratio Lower Upper

75 100

53 115.4 86.7 130.1

89 45.4 36.4 54.6



#82

4-Chlorotoluene

Concen: 19.421 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW009566.D

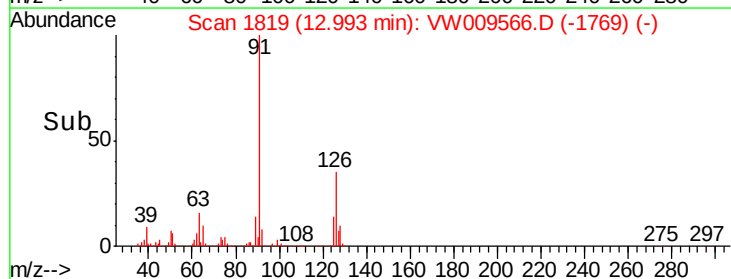
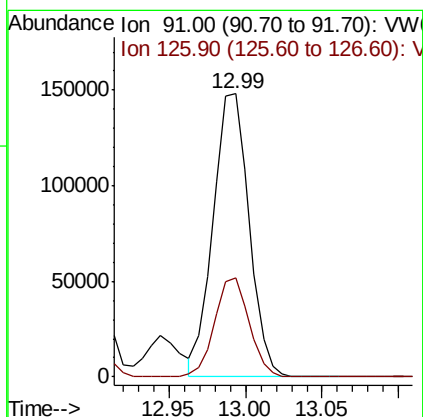
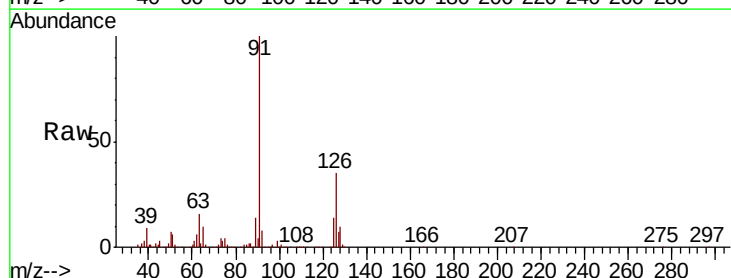
Acq: 29 Mar 2019 10:48

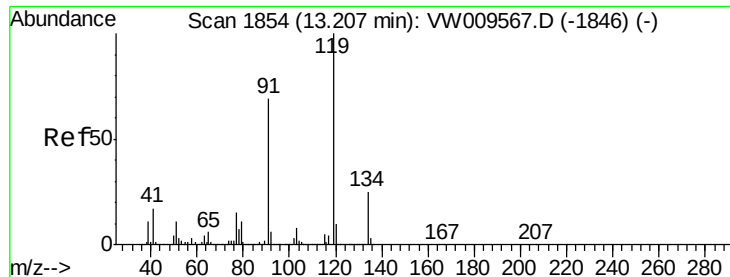
Tgt Ion: 91 Resp: 241382

Ion Ratio Lower Upper

91 100

126 33.9 16.9 50.6

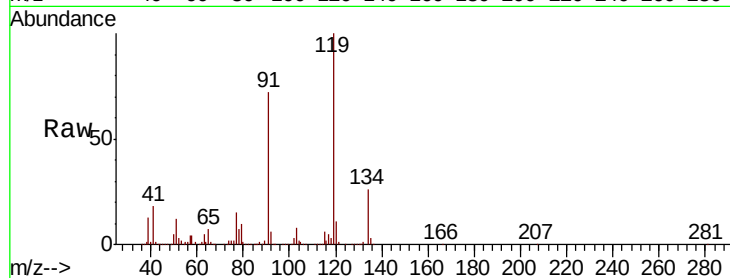




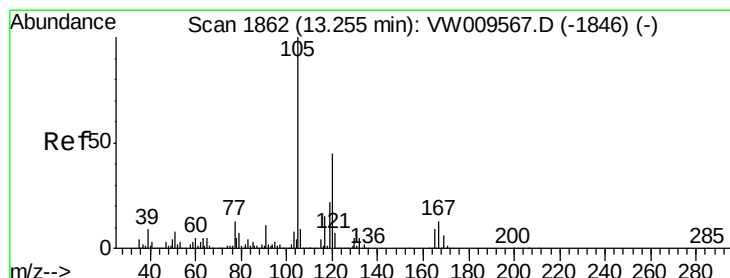
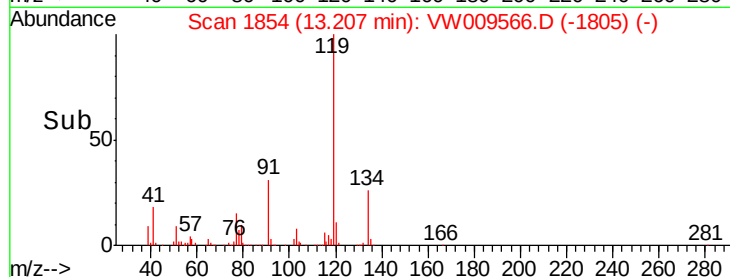
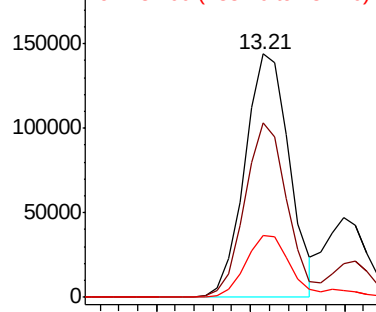
#83
 tert-Butylbenzene
 Concen: 19.194 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 235623
 Ion Ratio Lower Upper
 119 100
 91 69.0 34.4 103.2
 134 25.4 12.7 38.1

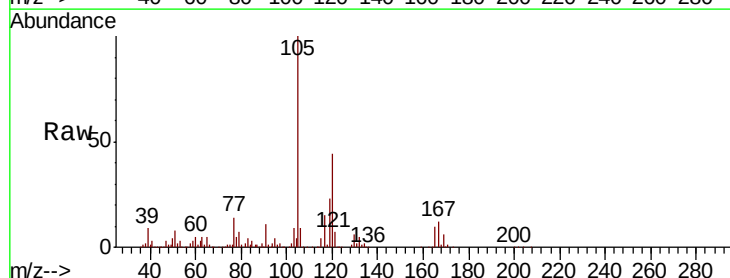


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VW
 Ion 134.00 (133.70 to 134.70): V

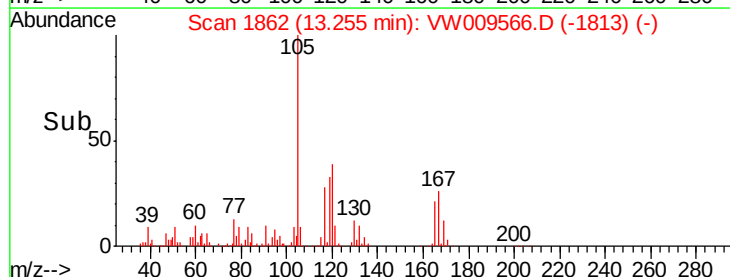
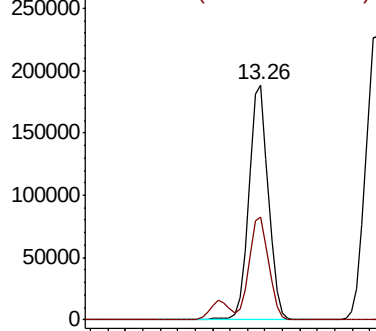


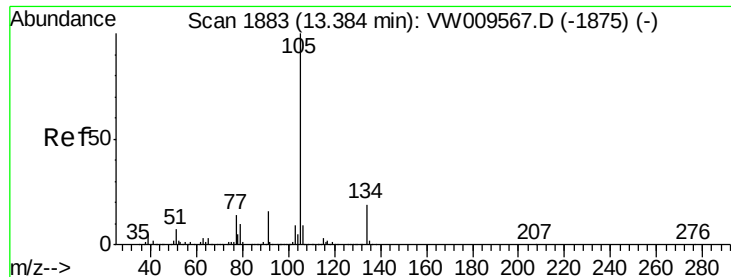
#84
 1,2,4-Trimethylbenzene
 Concen: 19.585 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion:105 Resp: 291772
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.998 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

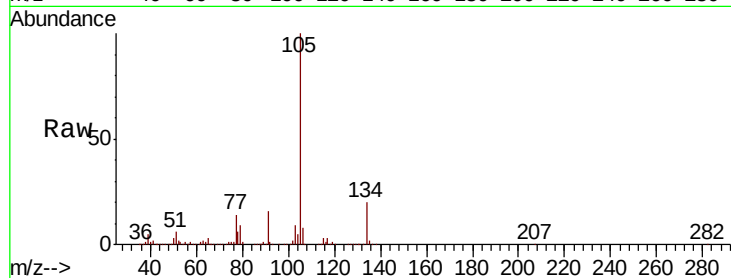
VSTDIC020

Tgt Ion:105 Resp: 354189

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

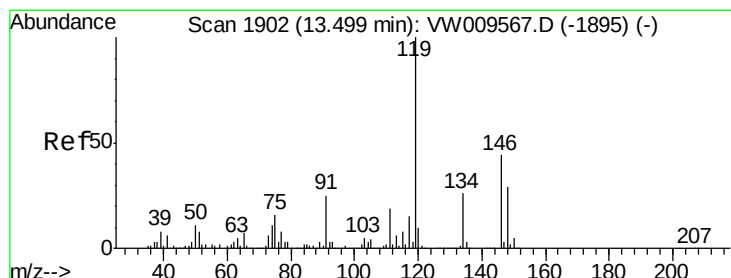
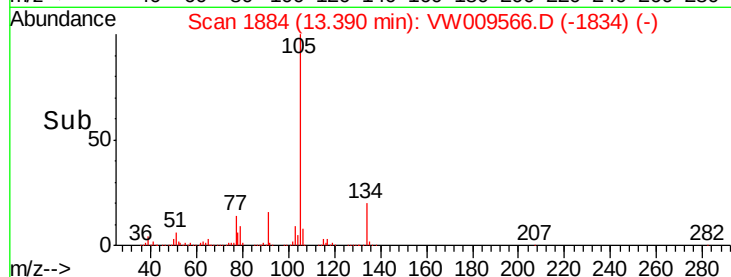
0

13.39

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 19.347 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

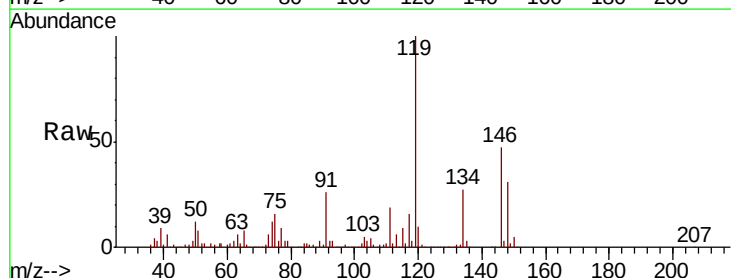
Tgt Ion:119 Resp: 313504

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

91 24.8 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

50000

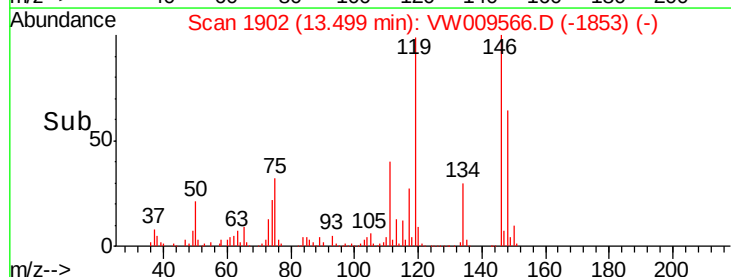
0

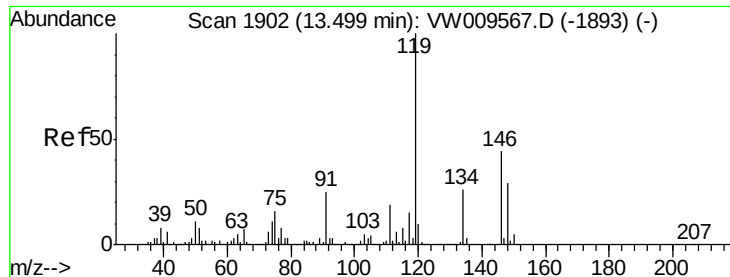
13.50

13.40

13.50

Time-->

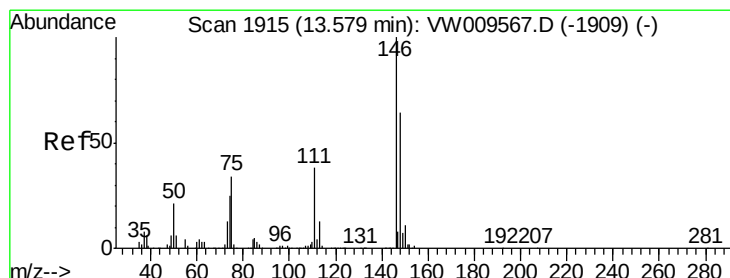
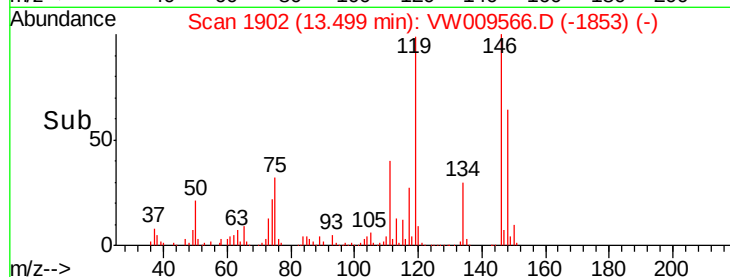
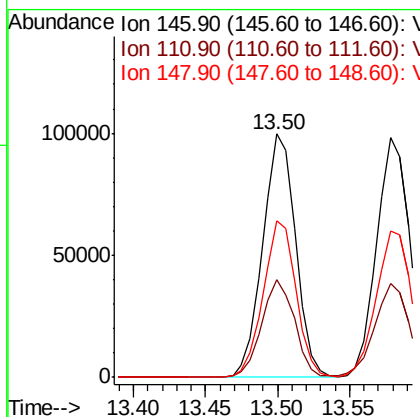
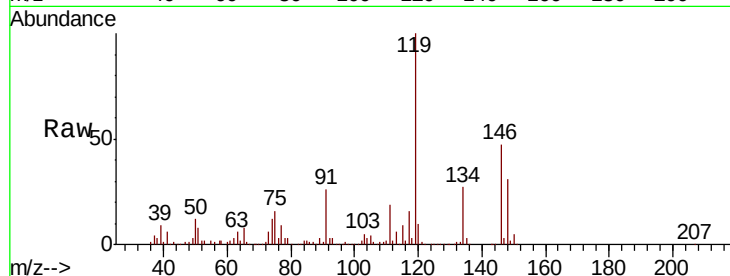




#87
1,3-Dichlorobenzene
Concen: 20.158 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

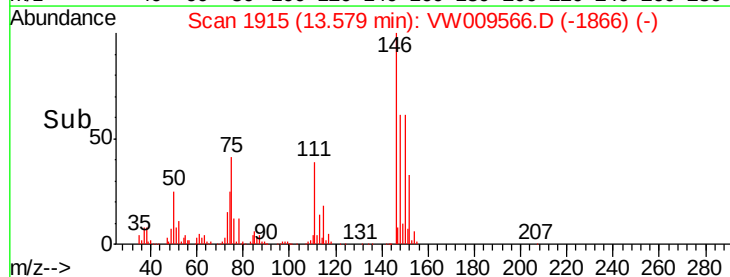
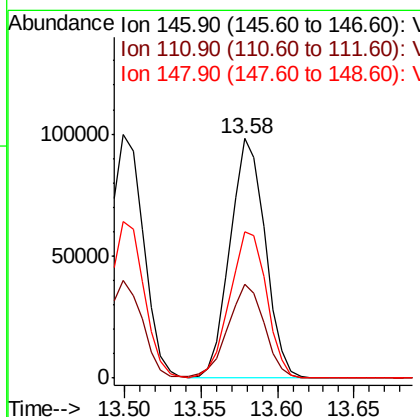
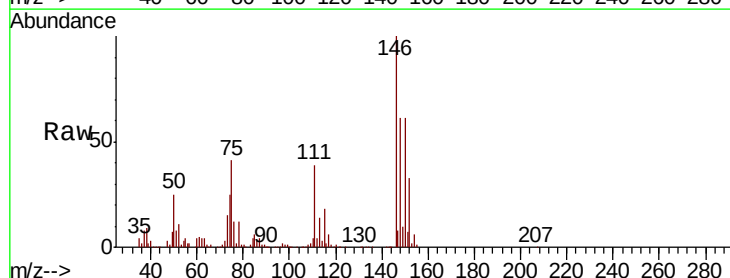
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

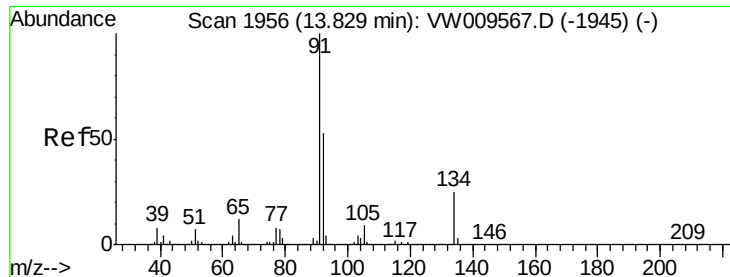
Tgt Ion:146 Resp: 157677
Ion Ratio Lower Upper
146 100
111 39.9 20.1 60.2
148 64.2 31.4 94.3



#88
1,4-Dichlorobenzene
Concen: 20.166 ug/l
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion:146 Resp: 156839
Ion Ratio Lower Upper
146 100
111 40.5 19.9 59.6
148 63.9 32.2 96.6





#89

n-Butylbenzene

Concen: 19.239 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

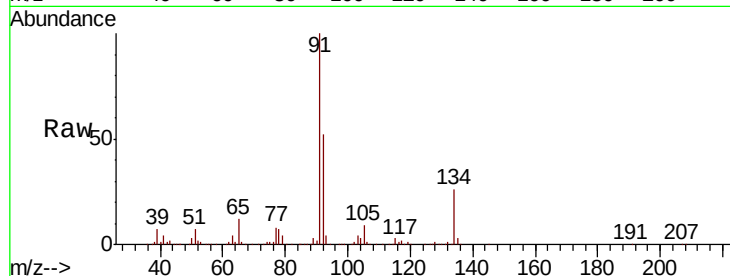
Tgt Ion: 91 Resp: 307016

Ion Ratio Lower Upper

91 100

92 51.8 26.4 79.0

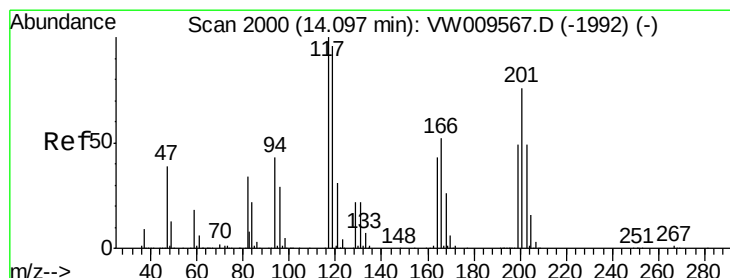
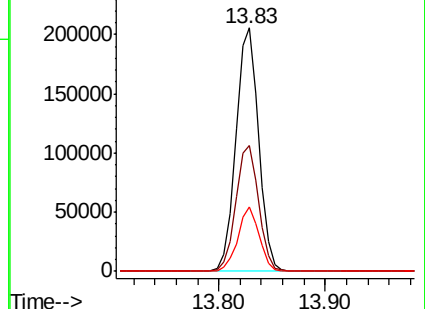
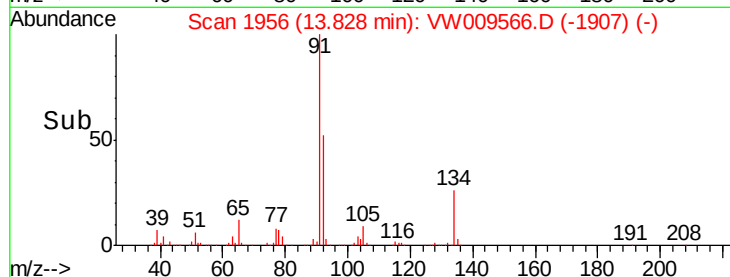
134 25.0 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.944 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009566.D

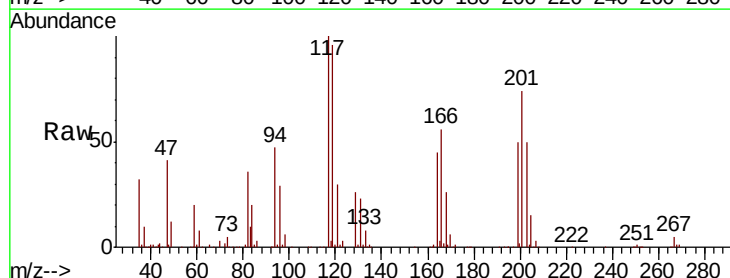
Acq: 29 Mar 2019 10:48

Tgt Ion: 117 Resp: 59868

Ion Ratio Lower Upper

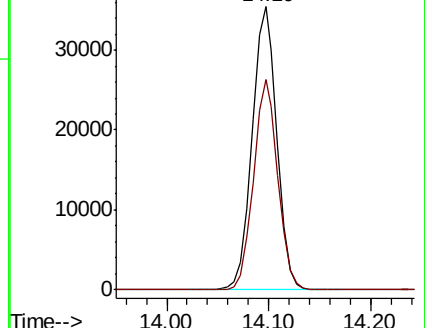
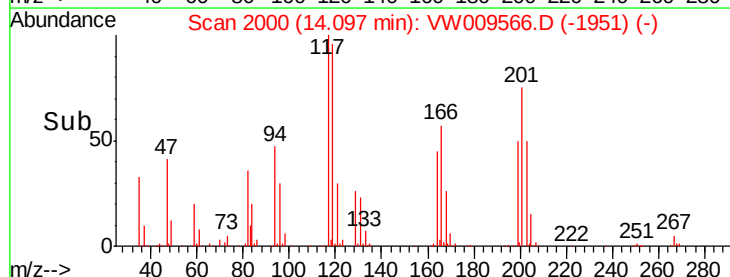
117 100

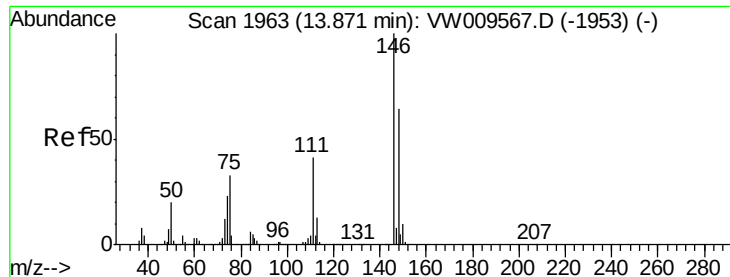
201 72.8 38.2 114.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

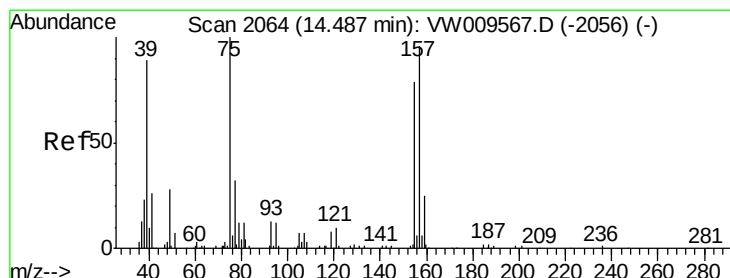
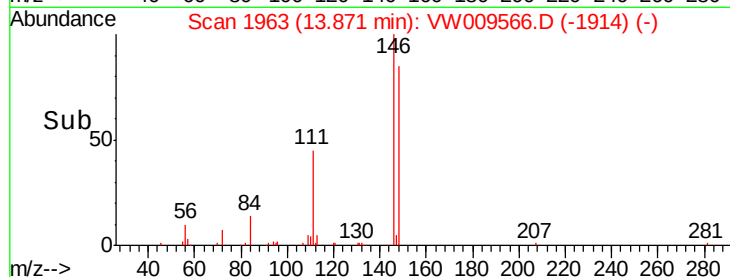
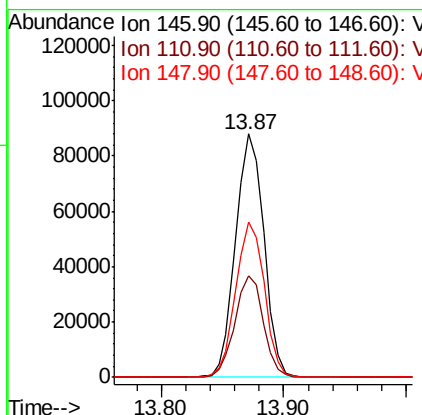
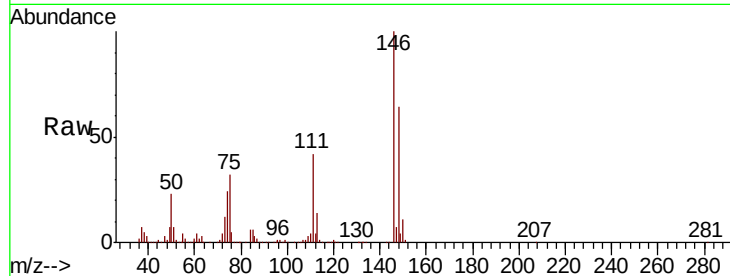




#91
 1,2-Dichlorobenzene
 Concen: 20.130 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

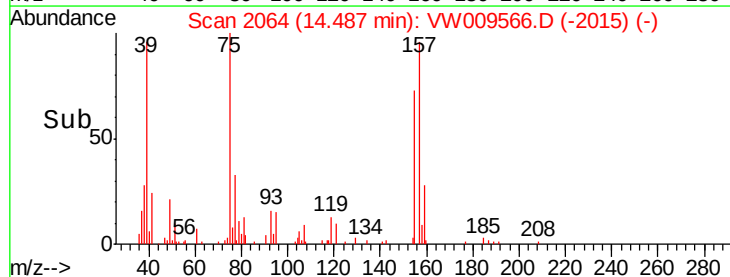
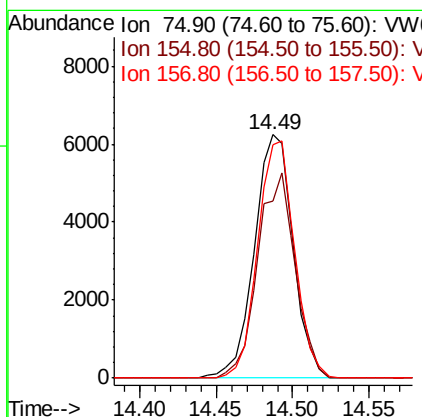
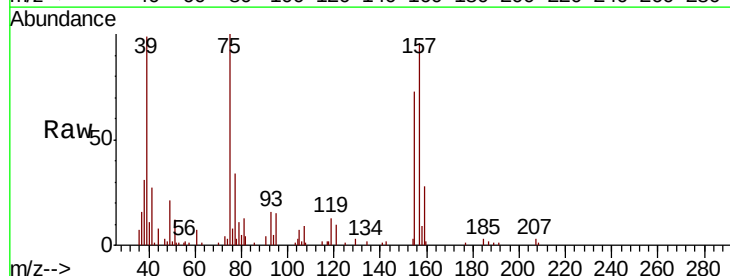
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

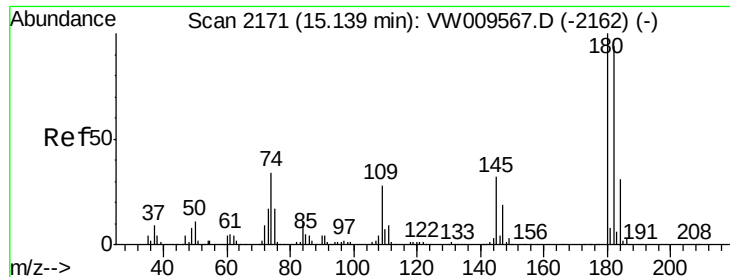
Tgt Ion: 146 Resp: 141748
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.4 61.2
 148 64.4 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.891 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion: 75 Resp: 11012
 Ion Ratio Lower Upper
 75 100
 155 81.4 39.3 117.8
 157 92.6 49.5 148.5

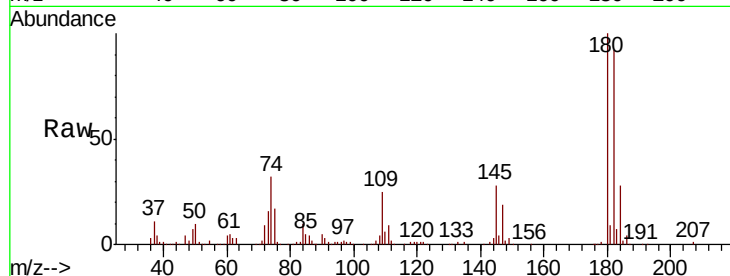




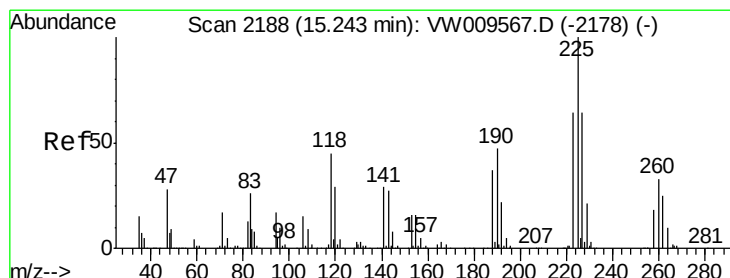
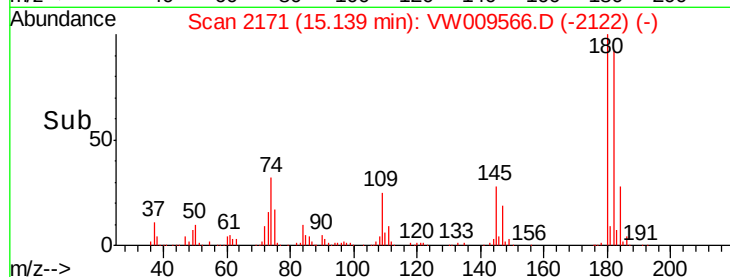
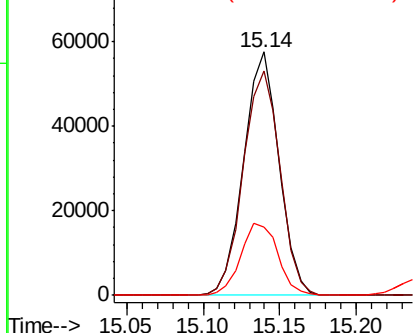
#93
1,2,4-Trichlorobenzene
Concen: 19.833 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:180 Resp: 92509
Ion Ratio Lower Upper
180 100
182 96.2 47.9 143.7
145 31.2 15.0 45.0

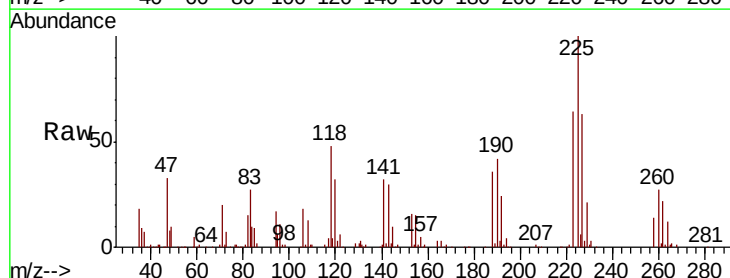


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

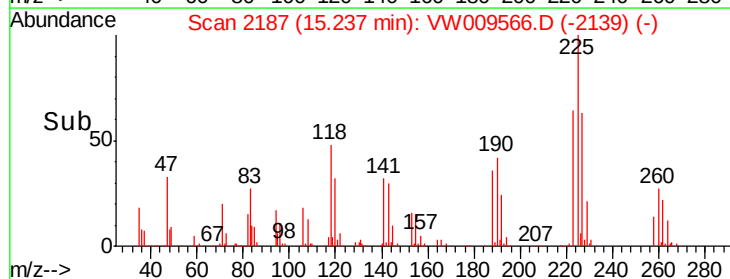
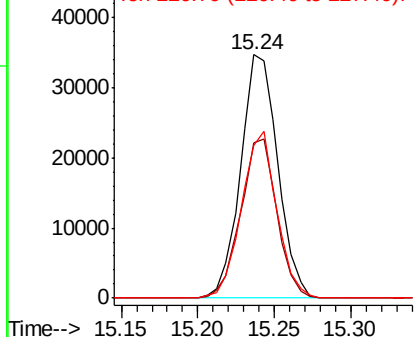


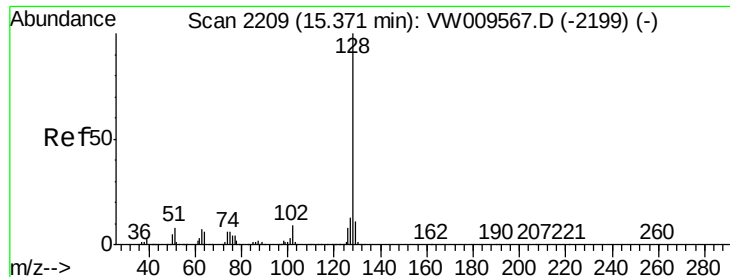
#94
Hexachlorobutadiene
Concen: 20.140 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion:225 Resp: 58396
Ion Ratio Lower Upper
225 100
223 64.0 31.4 94.3
227 65.1 32.1 96.5



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





#95

Naphthalene

Concen: 17.815 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

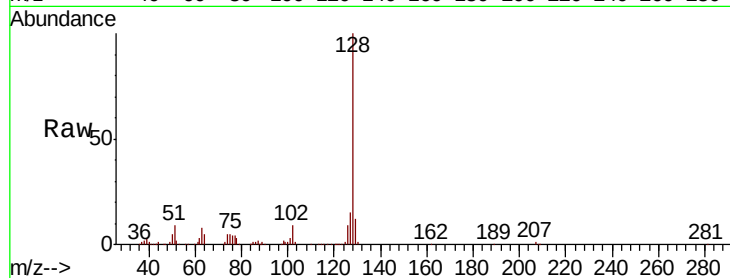
Tgt Ion:128 Resp: 154191

Ion Ratio Lower Upper

128 100

127 14.0 10.8 16.2

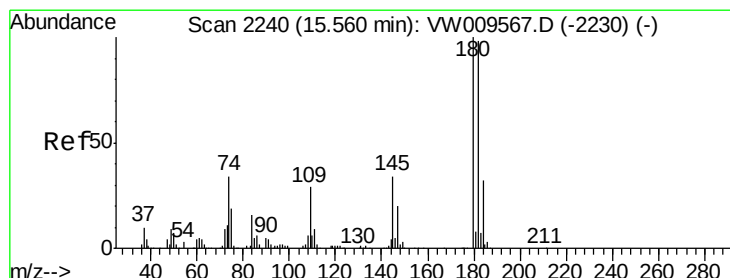
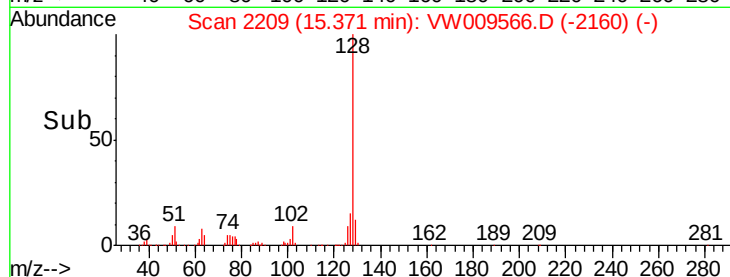
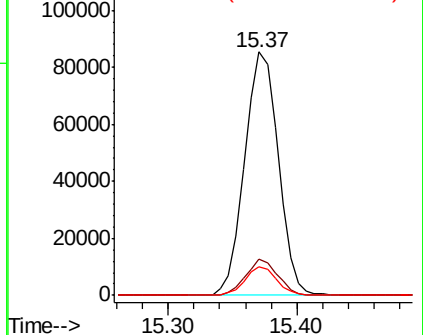
129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.322 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

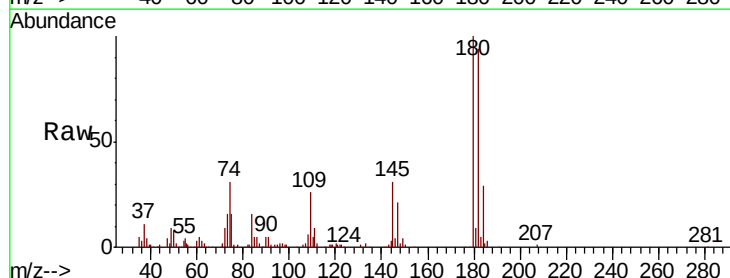
Tgt Ion:180 Resp: 83515

Ion Ratio Lower Upper

180 100

182 93.1 47.3 141.9

145 31.4 16.0 48.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

