

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
 Data File : VW009569.D
 Acq On : 29 Mar 2019 12:10
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 29 12:29:59 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	323310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	512629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	480129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	251292	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	578588	154.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.38%	
35) Dibromofluoromethane	7.88	113	484406	149.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.36%	
50) Toluene-d8	10.32	98	1887442	151.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.26%	
62) 4-Bromofluorobenzene	12.62	95	721916	154.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	293610	155.317	ug/l	94
3) Chloromethane	2.21	50	403480	161.300	ug/l	97
4) Vinyl Chloride	2.37	62	511825	149.070	ug/l	97
5) Bromomethane	2.77	94	373938	144.188	ug/l	97
6) Chloroethane	2.92	64	362217	139.552	ug/l	98
7) Trichlorofluoromethane	3.25	101	376381	157.989	ug/l	95
8) Diethyl Ether	3.67	74	244722	145.398	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	462929	145.528	ug/l	97
10) Methyl Iodide	4.26	142	644168	144.163	ug/l	97
11) Tert butyl alcohol	5.17	59	172458	832.429	ug/l	99
12) 1,1-Dichloroethene	4.04	96	440297	145.883	ug/l	98
13) Acrolein	3.88	56	117420	748.862	ug/l	97
14) Allyl chloride	4.66	41	749722	150.595	ug/l	98
15) Acrylonitrile	5.36	53	600481	805.030	ug/l	99
16) Acetone	4.12	43	630643	755.296	ug/l	94
17) Carbon Disulfide	4.37	76	1223102	145.072	ug/l	99
18) Methyl Acetate	4.67	43	321115	164.654	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	652883	149.710	ug/l	99
20) Methylene Chloride	4.91	84	464722	141.065	ug/l	89
21) trans-1,2-Dichloroethene	5.42	96	482244	148.672	ug/l	95
22) Diisopropyl ether	6.31	45	1705584	156.817	ug/l	97
23) Vinyl Acetate	6.25	43	5697862	831.283	ug/l	99
24) 1,1-Dichloroethane	6.21	63	947116	148.631	ug/l	98
25) 2-Butanone	7.16	43	951530	837.053	ug/l	98
26) 2,2-Dichloropropane	7.16	77	516662	141.713	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	549524	152.952	ug/l	96
28) Bromochloromethane	7.51	49	445685	165.746	ug/l	93
29) Tetrahydrofuran	7.52	42	610660	858.155	ug/l	98
30) Chloroform	7.67	83	982600	149.938	ug/l	98
31) Cyclohexane	7.95	56	833946	146.601	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	776058	145.416	ug/l	98
36) 1,1-Dichloropropene	8.08	75	751914	140.923	ug/l	100
37) Ethyl Acetate	7.25	43	404132	161.244	ug/l	99
38) Carbon Tetrachloride	8.07	117	769710	142.474	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	902838	146.863	ug/l	98
40) Benzene	8.32	78	2073796	143.707	ug/l	99
41) Methacrylonitrile	7.48	41	259134	173.777	ug/l	88
42) 1,2-Dichloroethane	8.40	62	704646	146.309	ug/l	99
43) Isopropyl Acetate	8.42	43	798410	164.412	ug/l	98
44) Trichloroethene	9.09	130	534047	143.385	ug/l	98
45) 1,2-Dichloropropane	9.37	63	530770	144.246	ug/l	98
46) Dibromomethane	9.46	93	295193	150.049	ug/l	96
47) Bromodichloromethane	9.64	83	756548	147.608	ug/l	97
48) Methyl methacrylate	9.43	41	402736	167.263	ug/l	96
49) 1,4-Dioxane	9.44	88	96022	3156.746	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	2181701	819.577	ug/l	100
52) Toluene	10.39	92	1364087	147.384	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	799624	156.706	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	870289	153.450	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	404680	151.237	ug/l	95
56) Ethyl methacrylate	10.65	69	591358	169.988	ug/l	97
57) 1,3-Dichloropropane	10.93	76	733660	152.496	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1388172	814.500	ug/l	97
59) 2-Hexanone	10.97	43	1563481	825.529	ug/l	99
60) Dibromochloromethane	11.13	129	502670	154.715	ug/l	98
61) 1,2-Dibromoethane	11.24	107	395354	153.094	ug/l	100
64) Tetrachloroethene	10.86	164	468653	146.985	ug/l	98
65) Chlorobenzene	11.66	112	1457203	145.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	545902	148.100	ug/l	100
67) Ethyl Benzene	11.73	91	2711422	147.531	ug/l	100
68) m/p-Xylenes	11.84	106	2033974	291.240	ug/l	98
69) o-Xylene	12.17	106	988529	150.882	ug/l	99
70) Styrene	12.18	104	1659359	149.907	ug/l	99
71) Bromoform	12.35	173	315406	158.567	ug/l #	100
73) Isopropylbenzene	12.46	105	2801821	150.951	ug/l	100
74) N-amyl acetate	12.27	43	819947	175.183	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	517464	158.078	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	718196	302.185	ug/l #	100
77) Bromobenzene	12.75	156	602654	145.676	ug/l	96
78) n-propylbenzene	12.80	91	3337201	145.952	ug/l	100
79) 2-Chlorotoluene	12.90	91	1885388	146.748	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	2289395	145.755	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	174376	171.291	ug/l	97
82) 4-Chlorotoluene	12.99	91	1991130	147.155	ug/l	98
83) tert-Butylbenzene	13.21	119	1987736	148.734	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2349985	144.892	ug/l	99
85) sec-Butylbenzene	13.38	105	2889722	142.374	ug/l	99
86) p-Isopropyltoluene	13.50	119	2560962	145.169	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	1220455	143.318	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1188284	140.346	ug/l	99
89) n-Butylbenzene	13.83	91	2491211	143.397	ug/l	98
90) Hexachloroethane	14.10	117	475834	145.606	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1093642	142.664	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	93963	155.900	ug/l	98

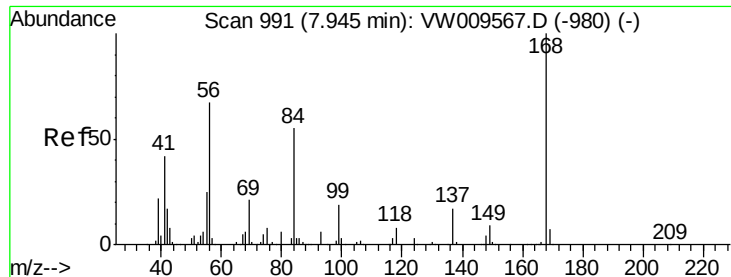
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	739767	145.683	ug/l	99
94) Hexachlorobutadiene	15.24	225	435267	137.894	ug/l	99
95) Naphthalene	15.37	128	1495671	158.737	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	654745	146.344	ug/l	100

(#) = 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: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

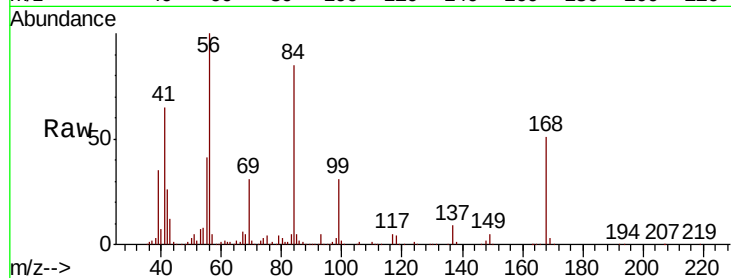
VSTDIC150

Tgt Ion:168 Resp: 323310

Ion Ratio Lower Upper

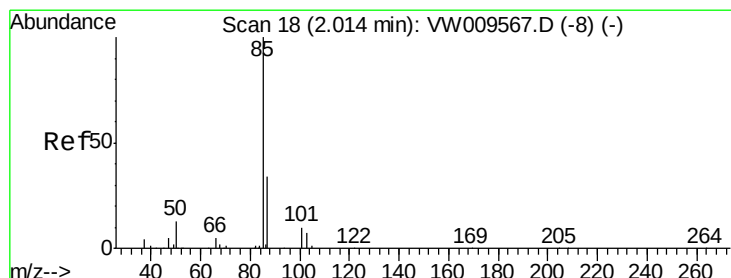
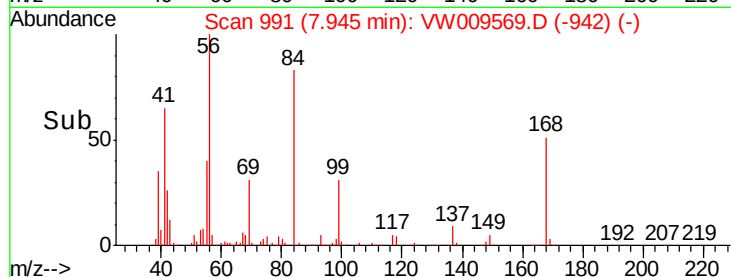
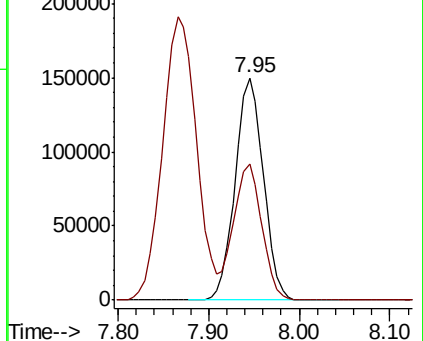
168 100

99 61.3 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 155.317 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009569.D

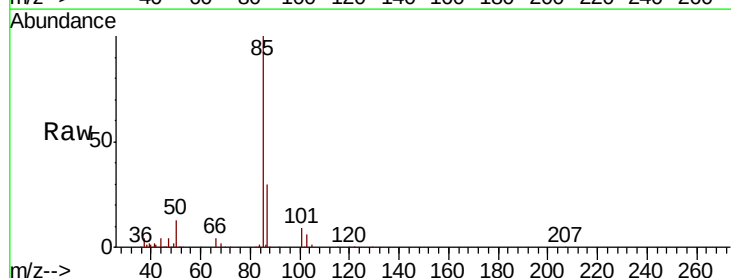
Acq: 29 Mar 2019 12:10

Tgt Ion: 85 Resp: 293610

Ion Ratio Lower Upper

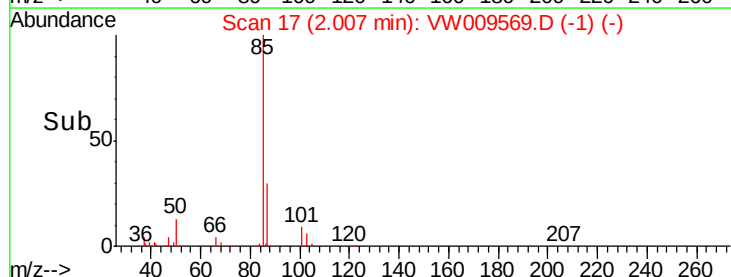
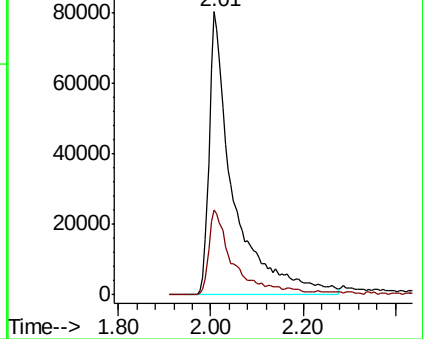
85 100

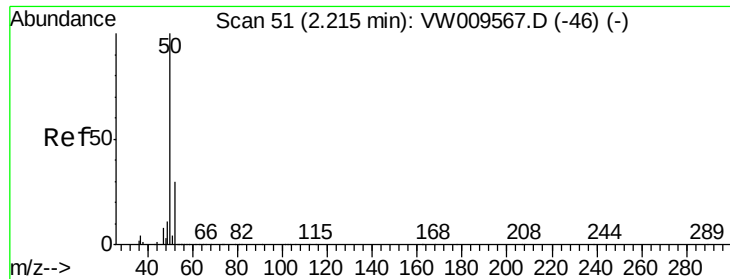
87 30.0 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 161.300 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

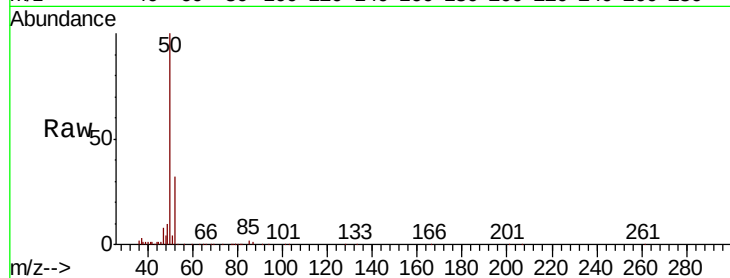
VSTDIC150

Tgt Ion: 50 Resp: 403480

Ion Ratio Lower Upper

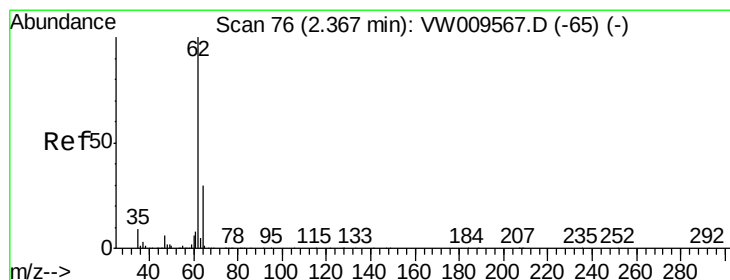
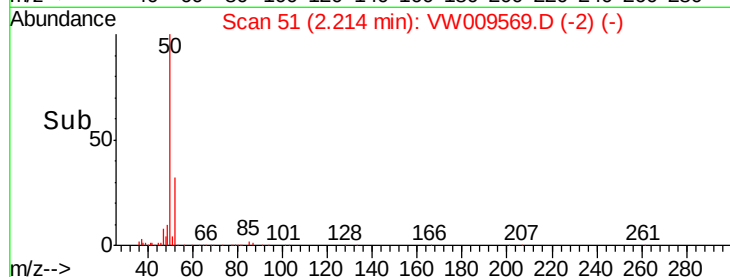
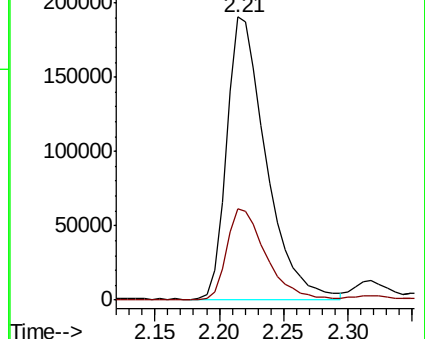
50 100

52 32.4 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 149.070 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009569.D

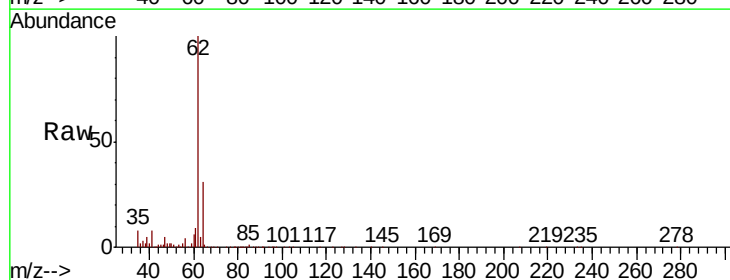
Acq: 29 Mar 2019 12:10

Tgt Ion: 62 Resp: 511825

Ion Ratio Lower Upper

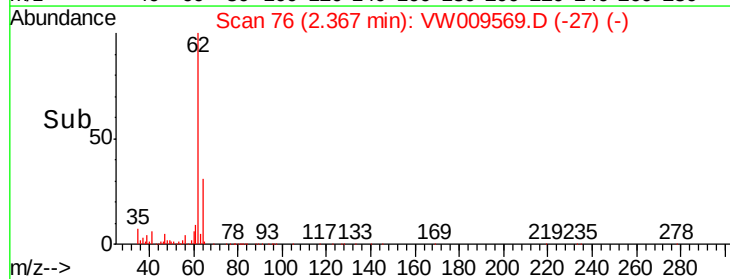
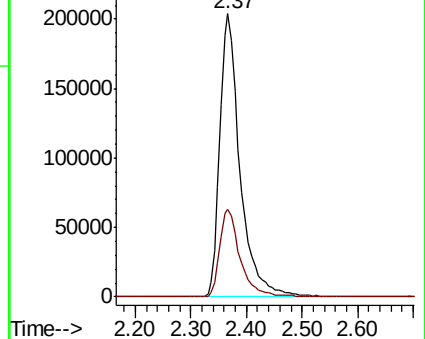
62 100

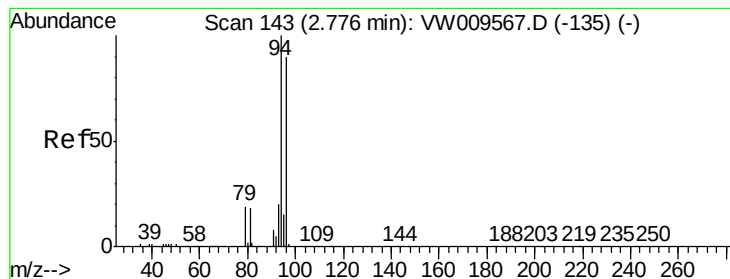
64 31.1 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 144.188 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

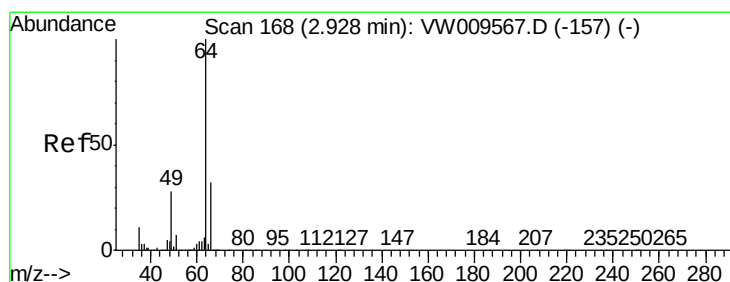
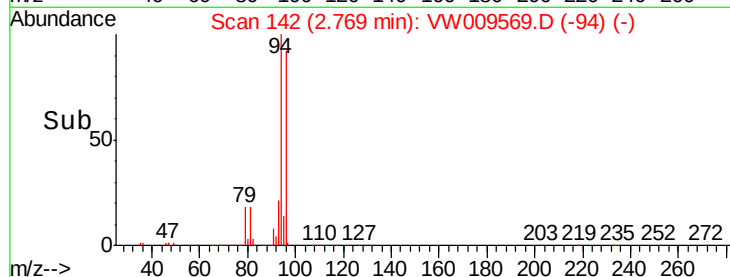
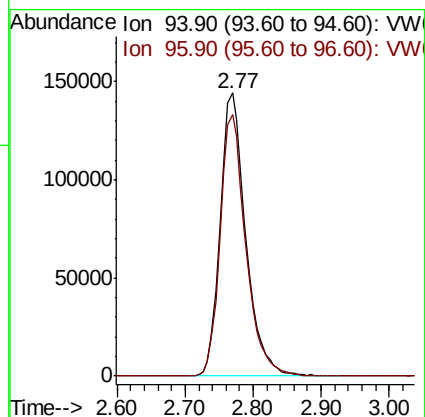
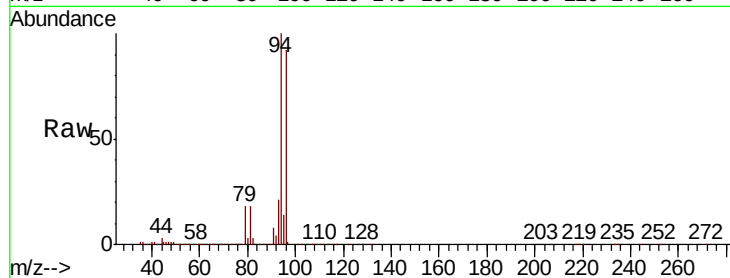
VSTDIC150

Tgt Ion: 94 Resp: 373938

Ion Ratio Lower Upper

94 100

96 92.5 71.4 107.2



#6

Chloroethane

Concen: 139.552 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW009569.D

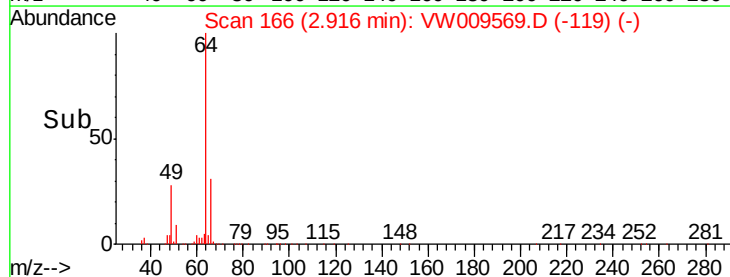
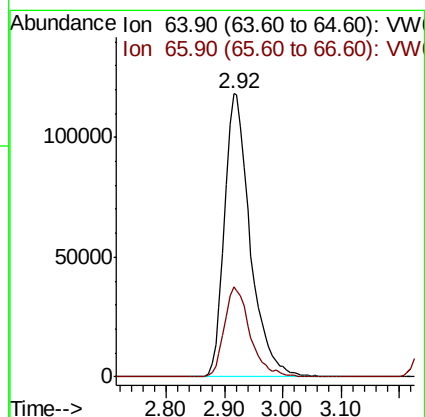
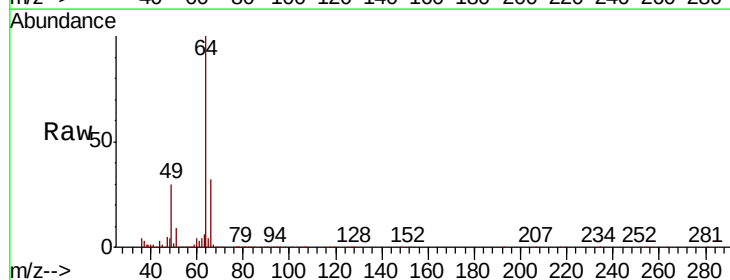
Acq: 29 Mar 2019 12:10

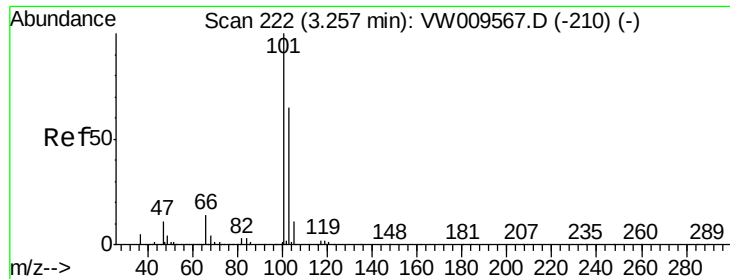
Tgt Ion: 64 Resp: 362217

Ion Ratio Lower Upper

64 100

66 31.6 26.2 39.2



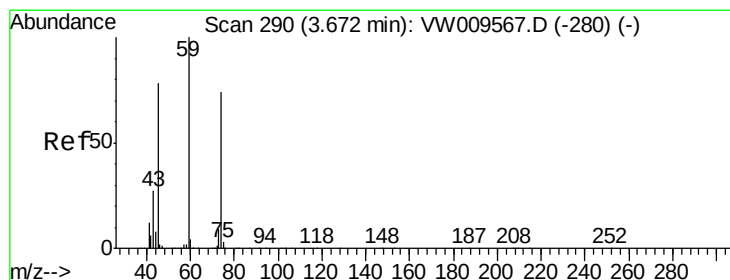
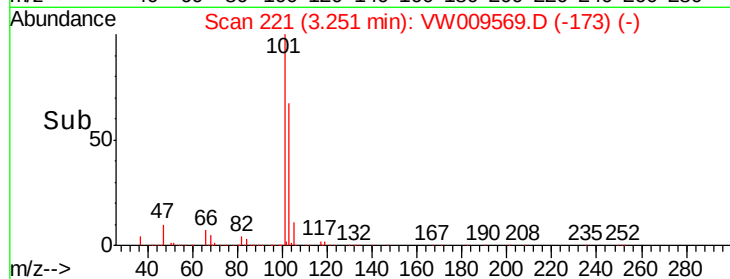
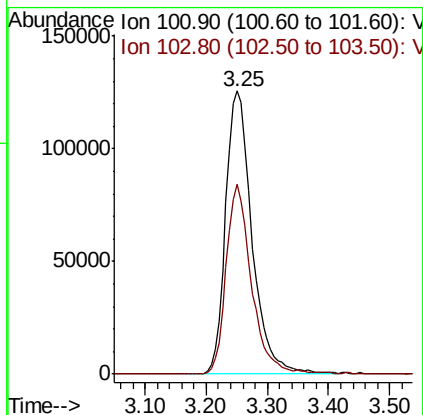
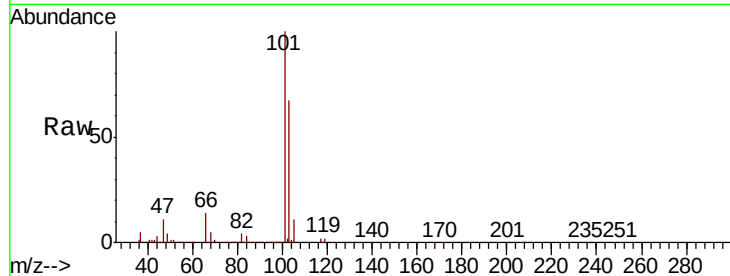


#7

Trichlorofluoromethane
 Concen: 157.989 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

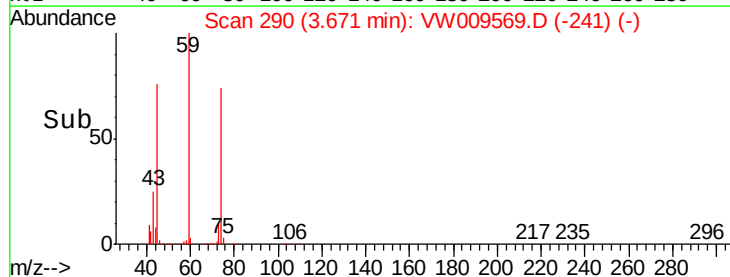
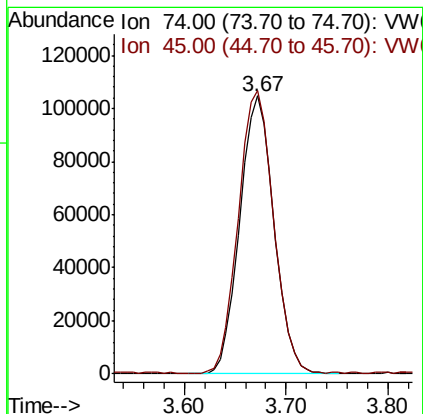
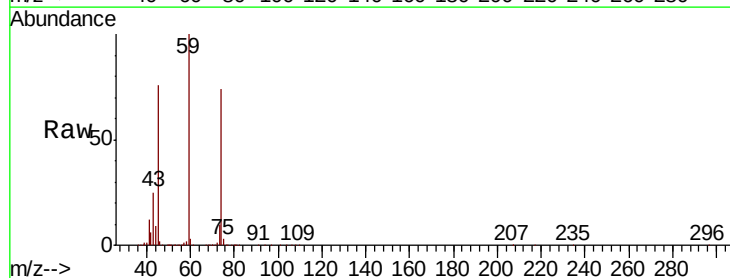
Tgt Ion:101 Resp: 376381
 Ion Ratio Lower Upper
 101 100
 103 67.3 50.5 75.7

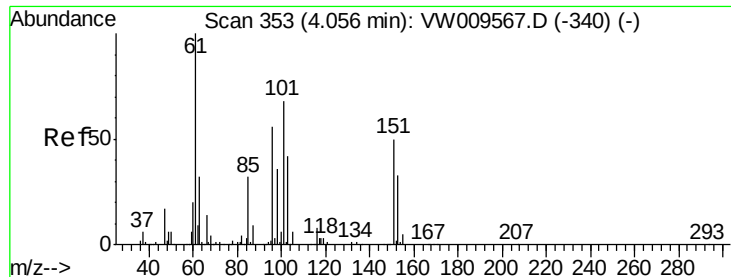


#8

Diethyl Ether
 Concen: 145.398 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion: 74 Resp: 244722
 Ion Ratio Lower Upper
 74 100
 45 104.2 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 145.528 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

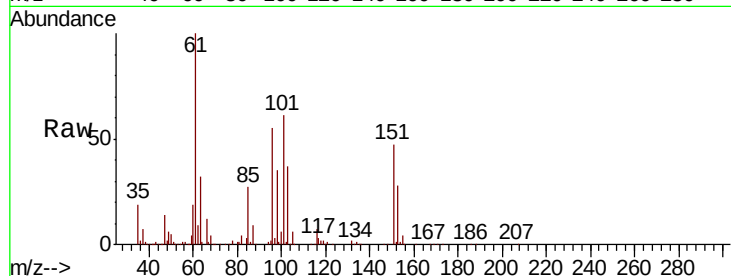
Tgt Ion:101 Resp: 462929

Ion Ratio Lower Upper

101 100

85 45.3 35.1 52.7

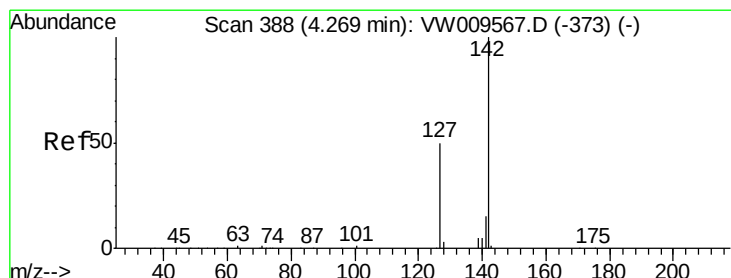
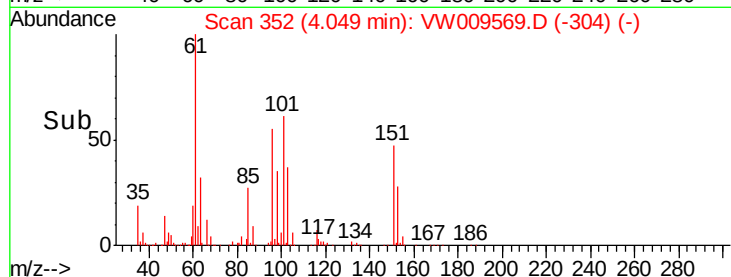
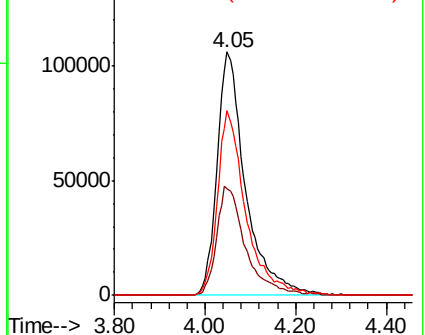
151 75.1 62.9 94.3



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: 144.163 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

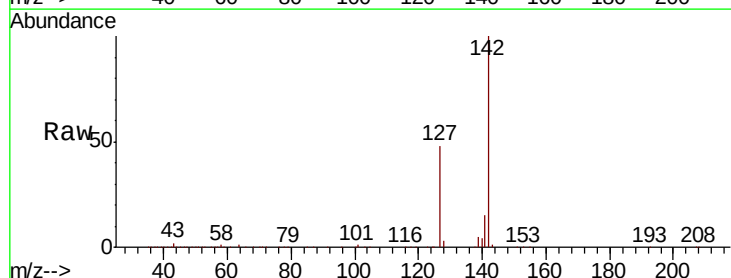
Tgt Ion:142 Resp: 644168

Ion Ratio Lower Upper

142 100

127 47.4 35.9 53.9

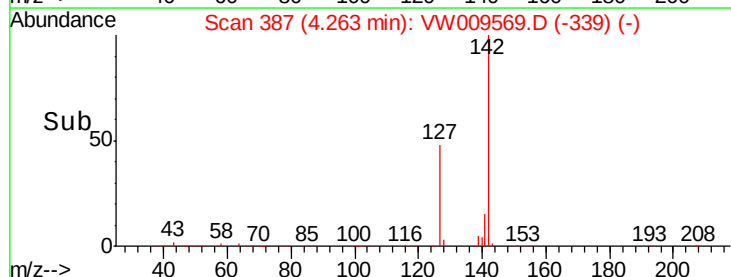
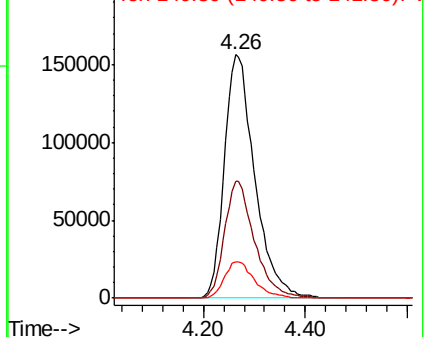
141 14.7 11.4 17.2

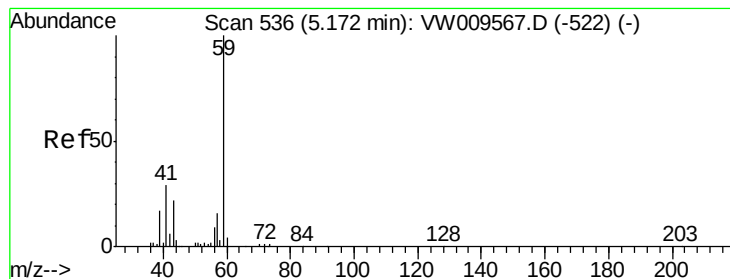


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



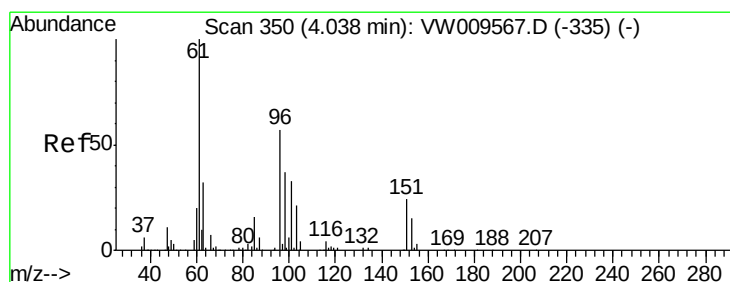
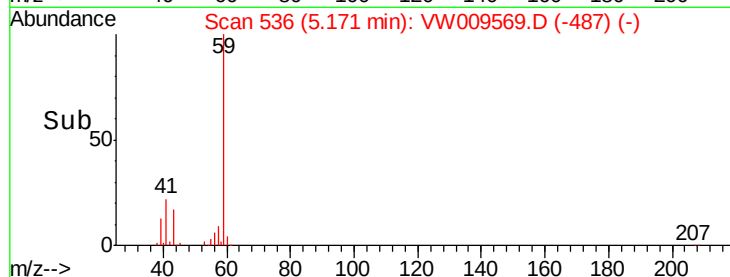
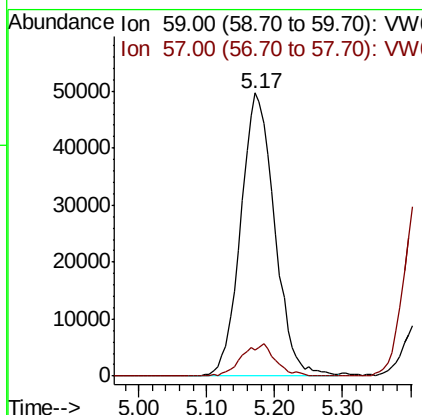
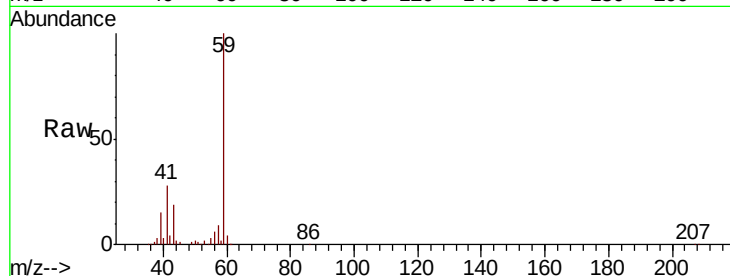


#11

Tert butyl alcohol
Concen: 832.429 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

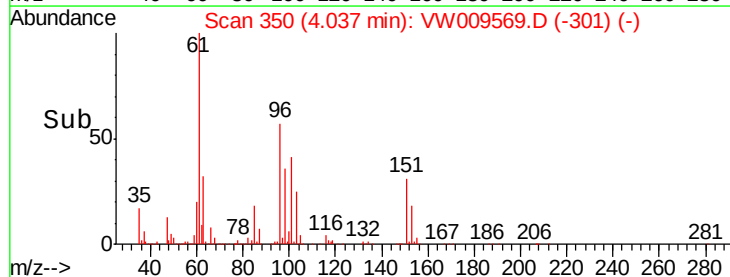
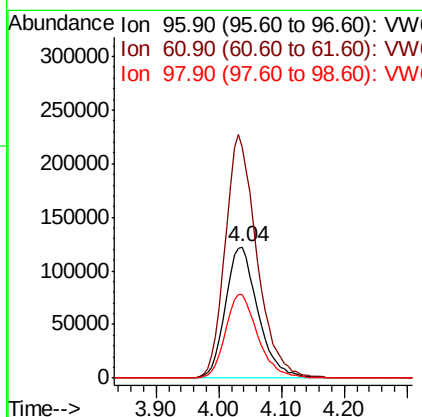
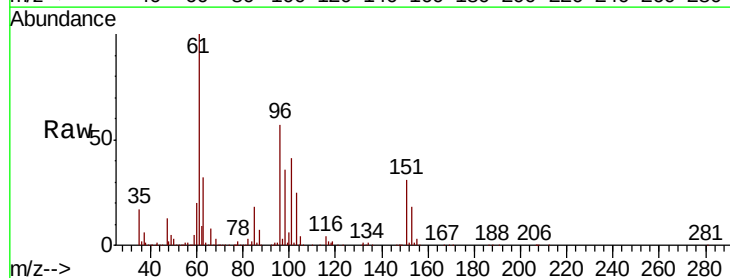
Tgt Ion: 59 Resp: 172458
Ion Ratio Lower Upper
59 100
57 11.4 9.4 14.0

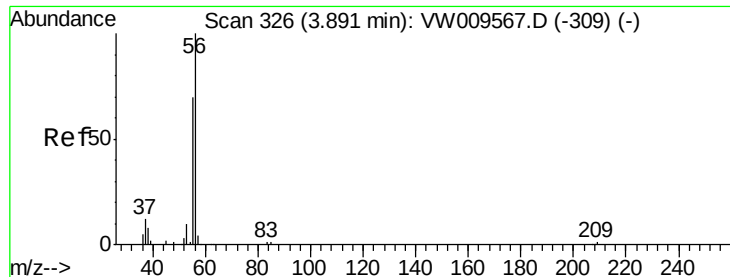


#12

1,1-Dichloroethene
Concen: 145.883 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion: 96 Resp: 440297
Ion Ratio Lower Upper
96 100
61 175.9 138.0 207.0
98 63.9 49.8 74.8





#13

Acrolein

Concen: 748.862 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

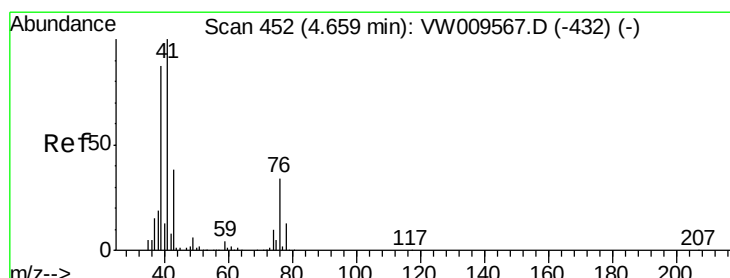
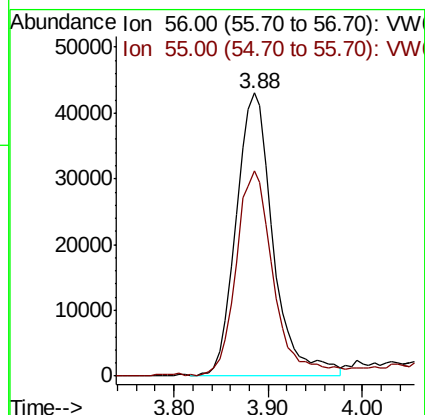
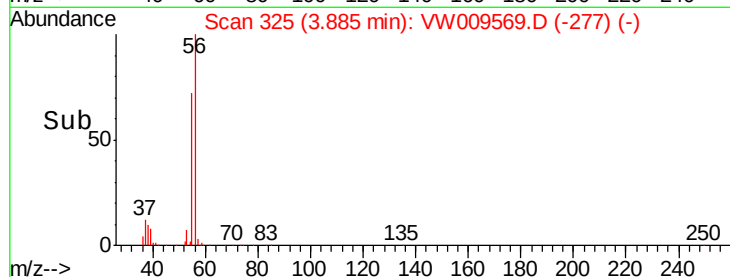
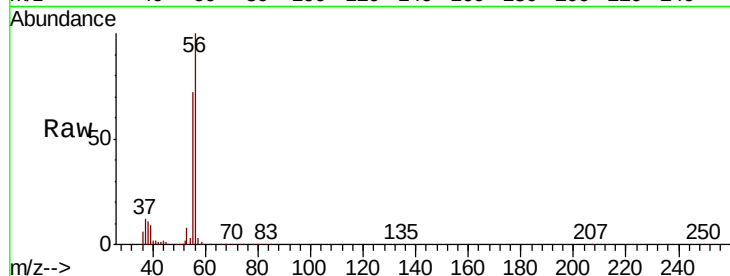
VSTDIC150

Tgt Ion: 56 Resp: 117420

Ion Ratio Lower Upper

56 100

55 71.5 55.2 82.8



#14

Allyl chloride

Concen: 150.595 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

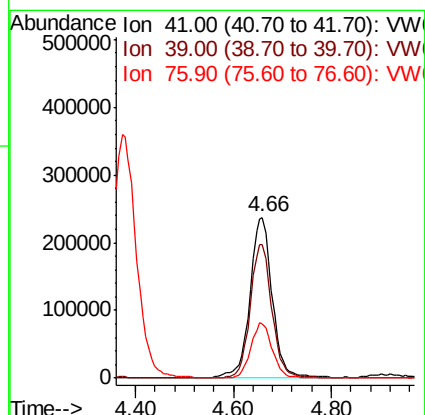
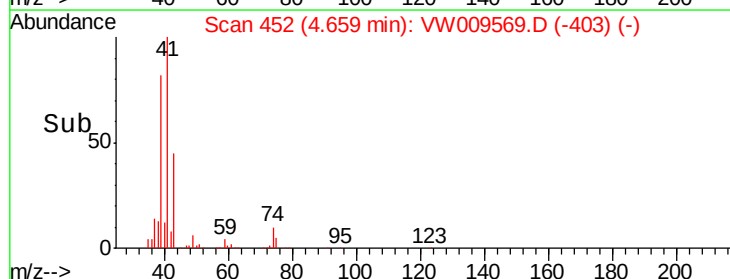
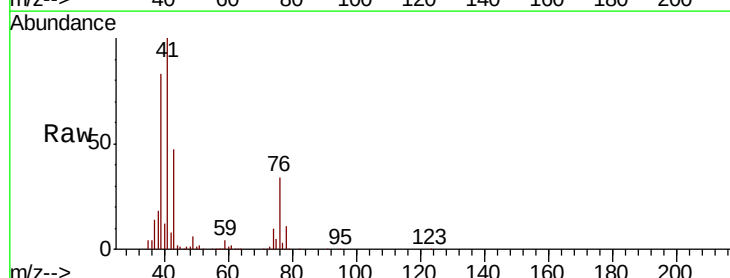
Tgt Ion: 41 Resp: 749722

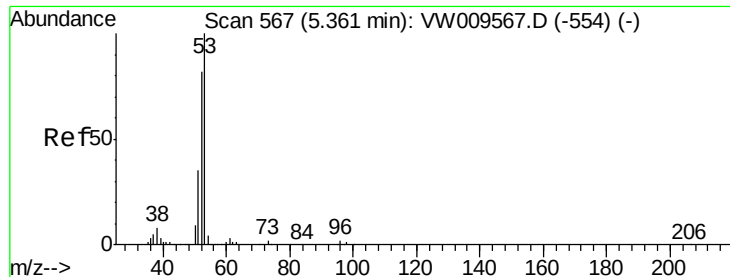
Ion Ratio Lower Upper

41 100

39 80.7 63.8 95.6

76 33.0 27.8 41.6





#15

Acrylonitrile

Concen: 805.030 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

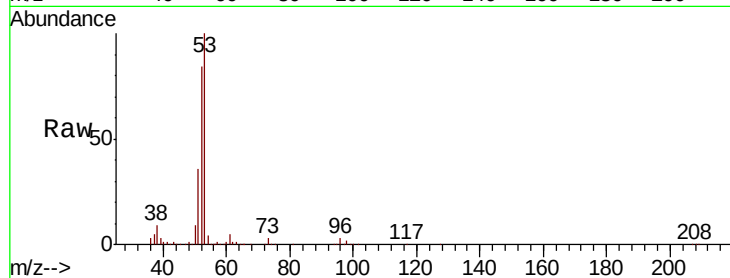
Tgt Ion: 53 Resp: 600481

Ion Ratio Lower Upper

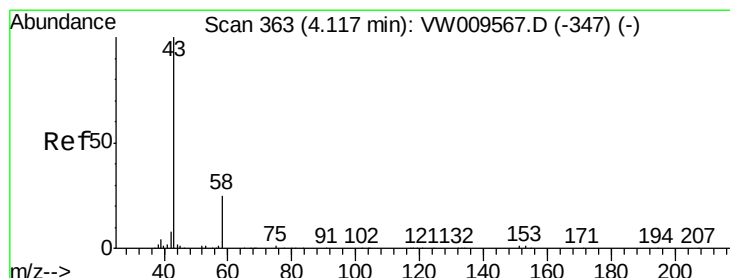
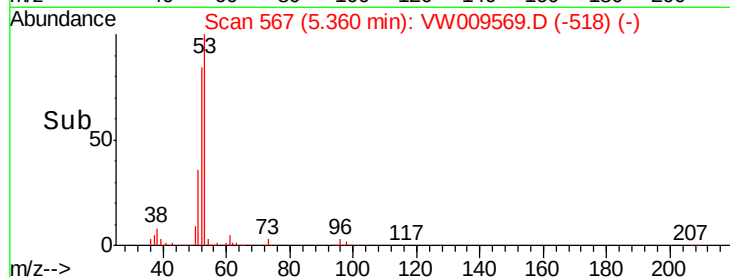
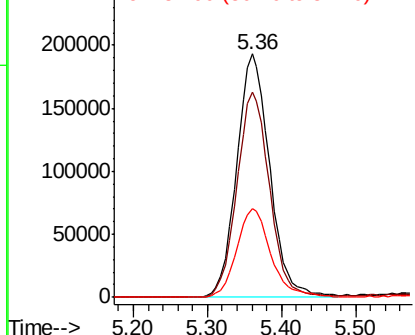
53 100

52 83.2 67.6 101.4

51 37.8 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 755.296 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW009569.D

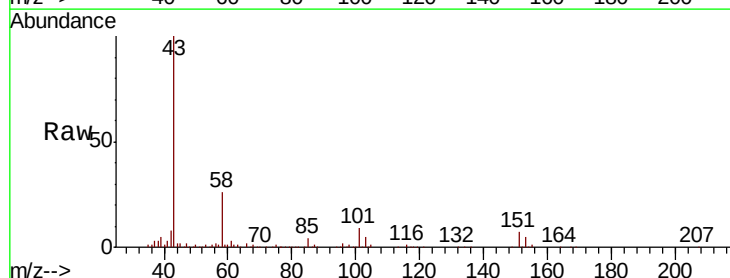
Acq: 29 Mar 2019 12:10

Tgt Ion: 43 Resp: 630643

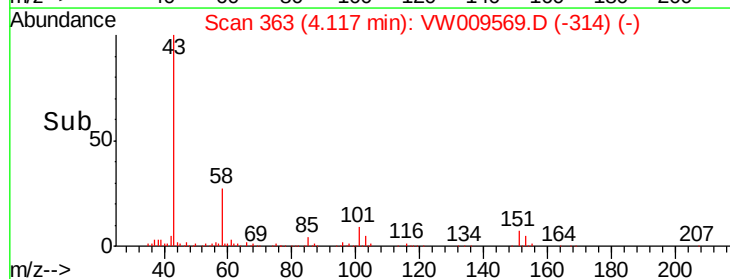
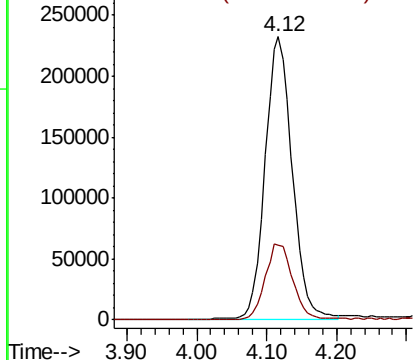
Ion Ratio Lower Upper

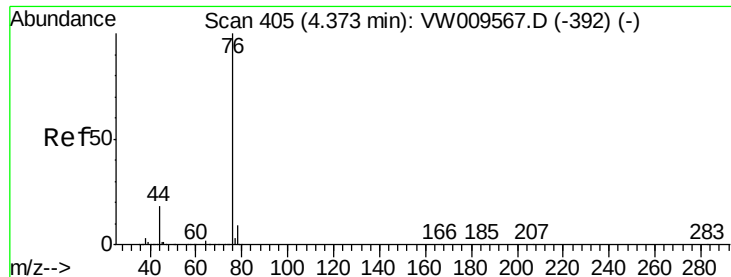
43 100

58 26.4 23.6 35.4



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





#17

Carbon Disulfide

Concen: 145.072 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

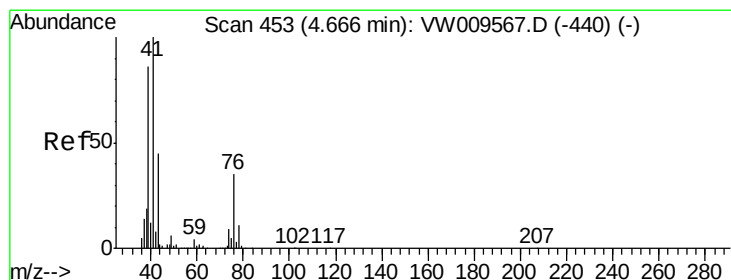
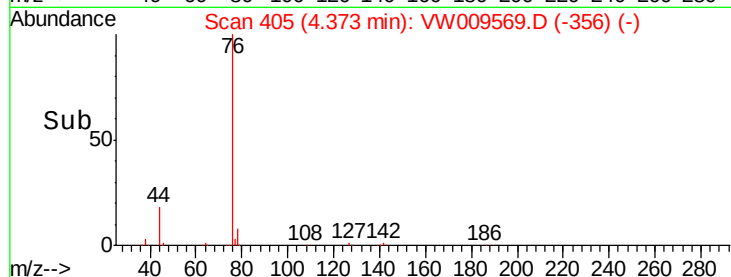
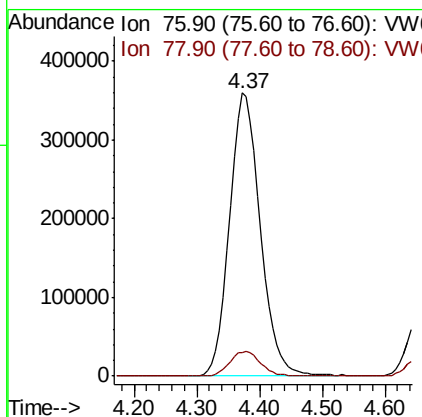
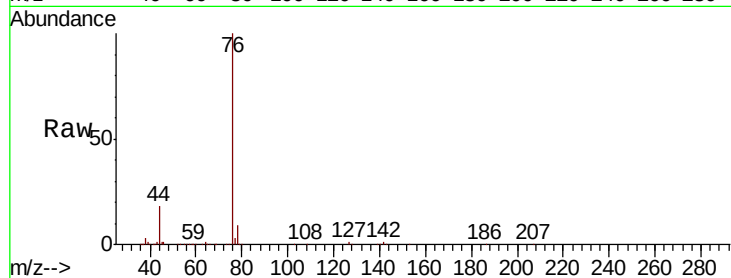
VSTDIC150

Tgt Ion: 76 Resp: 1223102

Ion Ratio Lower Upper

76 100

78 8.5 6.6 9.8



#18

Methyl Acetate

Concen: 164.654 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009569.D

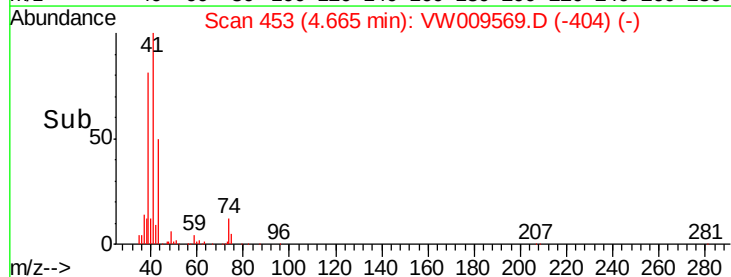
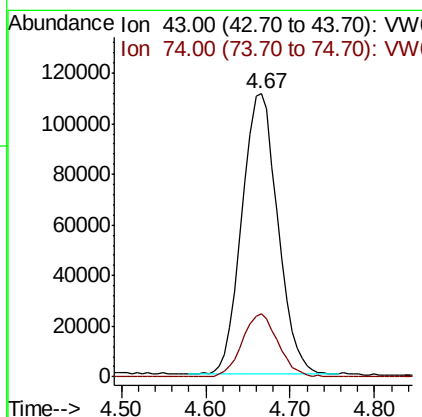
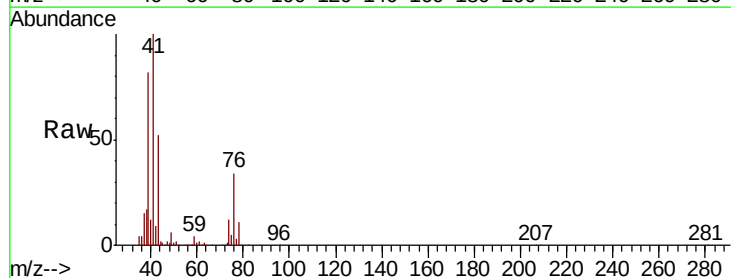
Acq: 29 Mar 2019 12:10

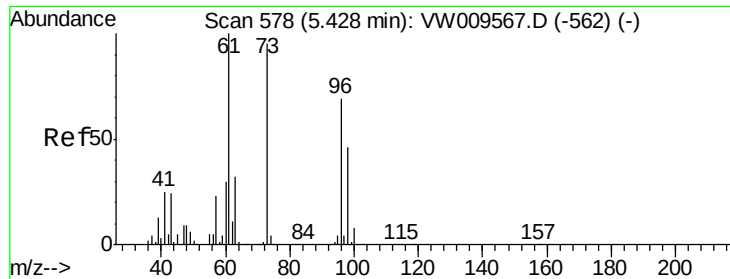
Tgt Ion: 43 Resp: 321115

Ion Ratio Lower Upper

43 100

74 22.3 17.7 26.5

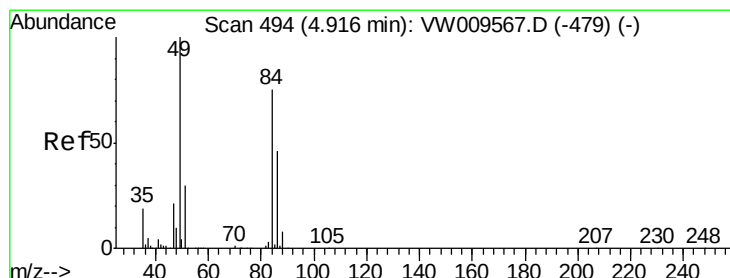
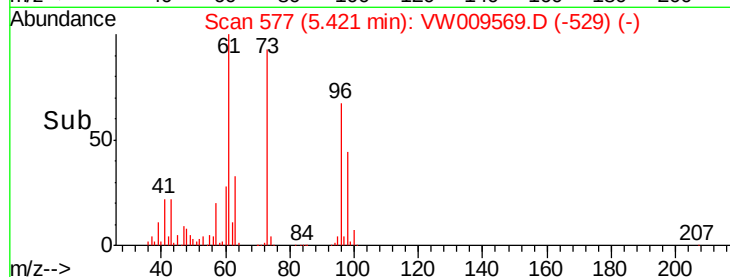
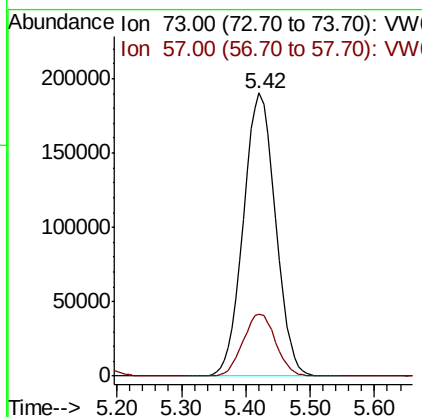
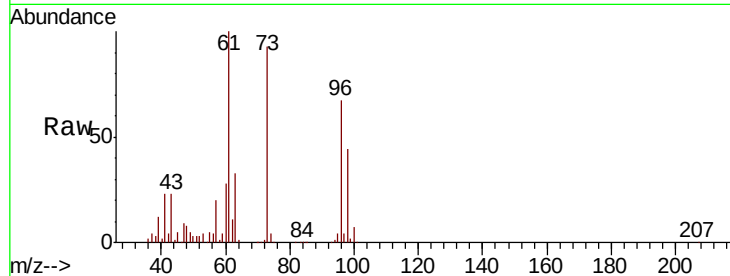




#19
Methyl tert-butyl Ether
Concen: 149.710 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

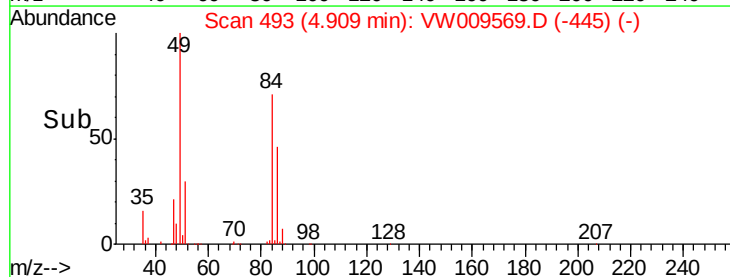
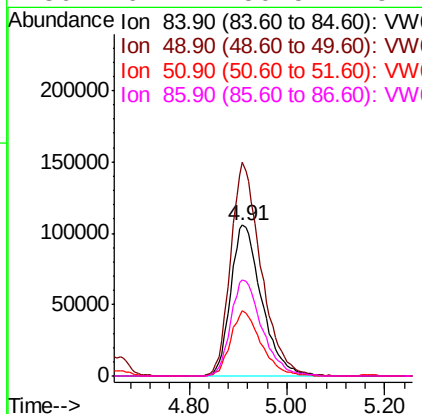
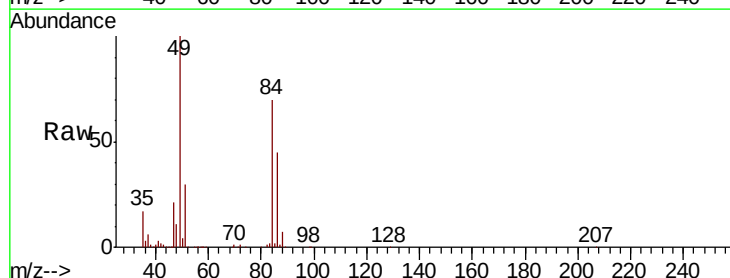
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

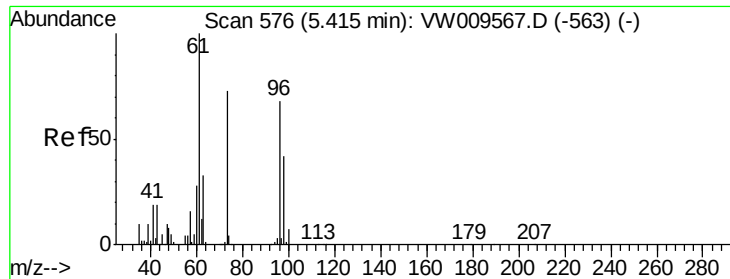
Tgt Ion: 73 Resp: 652883
Ion Ratio Lower Upper
73 100
57 21.8 17.0 25.6



#20
Methylene Chloride
Concen: 141.065 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion: 84 Resp: 464722
Ion Ratio Lower Upper
84 100
49 141.8 99.1 148.7
51 43.0 28.7 43.1
86 64.2 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 148.672 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

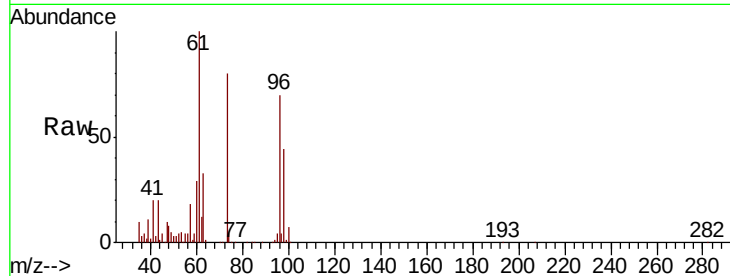
Tgt Ion: 96 Resp: 482244

Ion Ratio Lower Upper

96 100

61 143.9 108.2 162.4

98 62.9 50.9 76.3

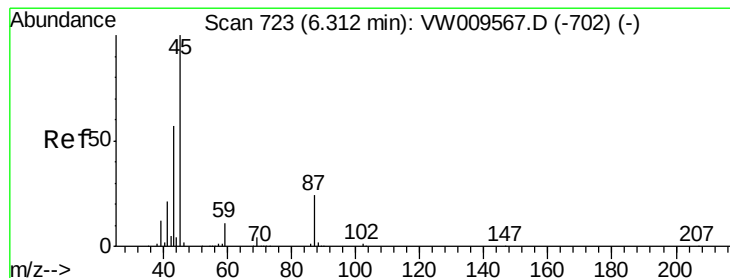
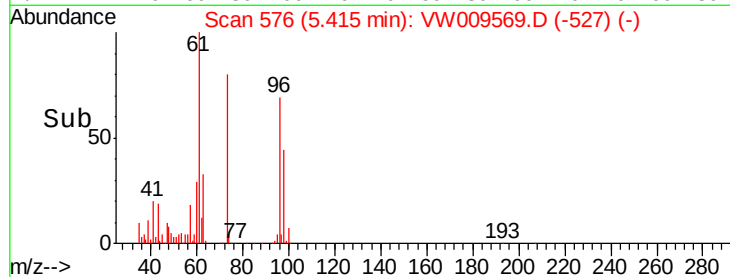
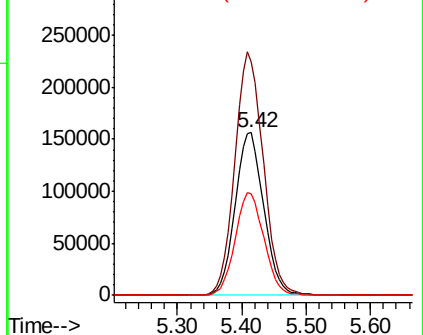


Abundance

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: 156.817 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Tgt Ion: 45 Resp: 1705584

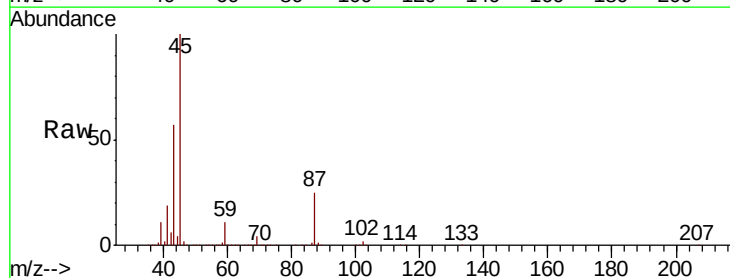
Ion Ratio Lower Upper

45 100

43 56.9 47.9 71.9

87 24.4 20.6 30.8

59 10.7 9.0 13.4



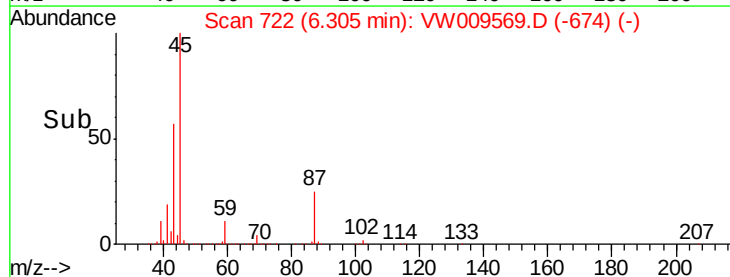
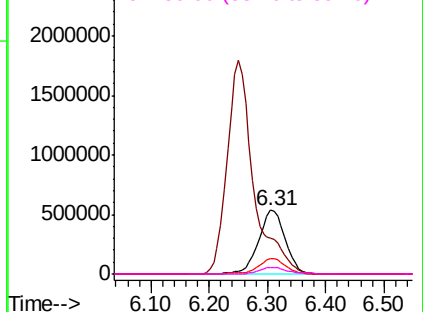
Abundance

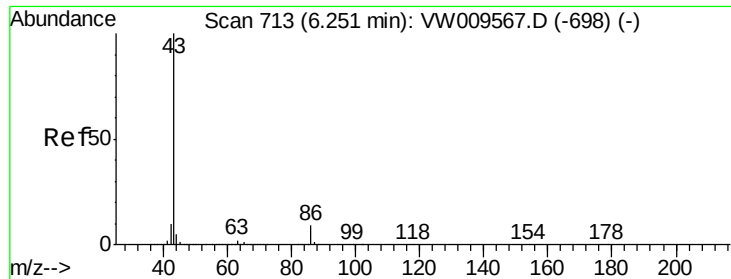
Ion 45.00 (44.70 to 45.70): VW

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: 831.283 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

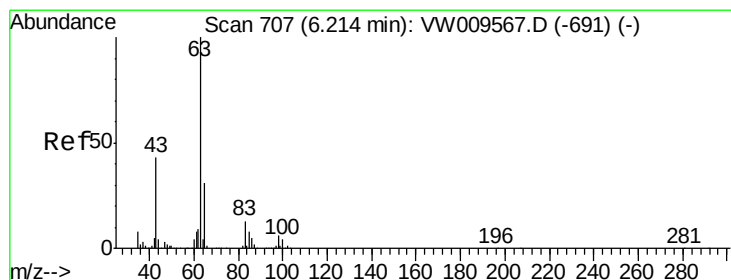
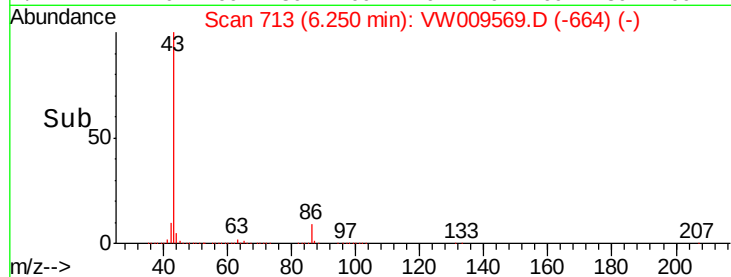
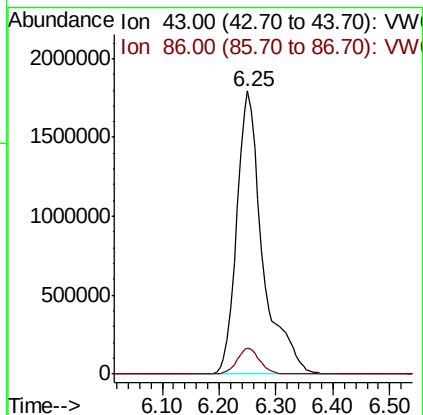
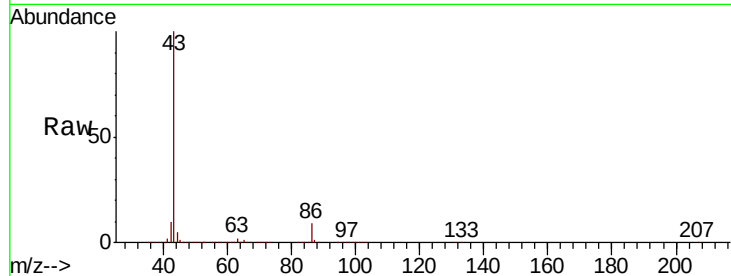
VSTDIC150

Tgt Ion: 43 Resp: 5697862

Ion Ratio Lower Upper

43 100

86 9.2 7.7 11.5



#24

1,1-Dichloroethane

Concen: 148.631 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

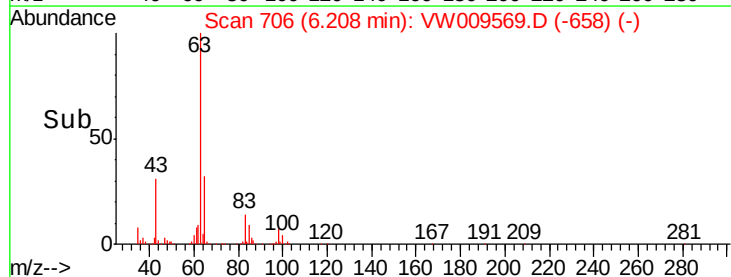
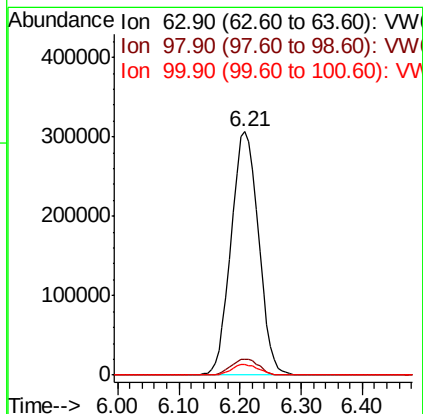
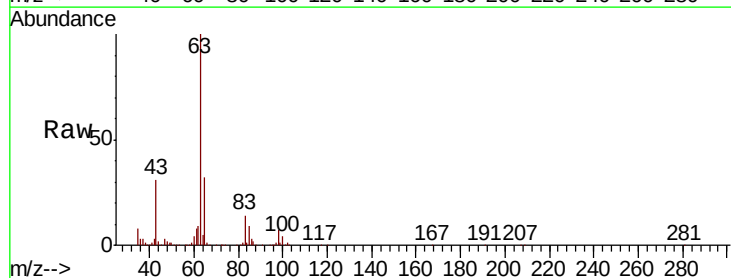
Tgt Ion: 63 Resp: 947116

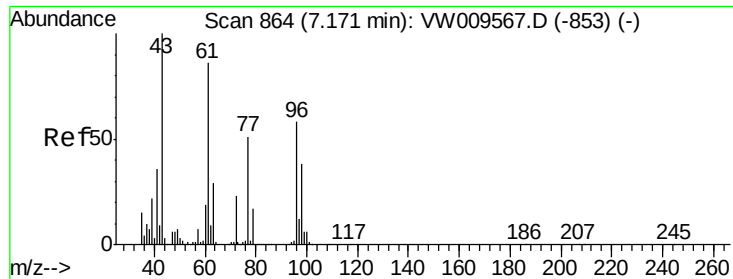
Ion Ratio Lower Upper

63 100

98 6.7 3.7 11.1

100 4.3 2.4 7.1





#25

2-Butanone

Concen: 837.053 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

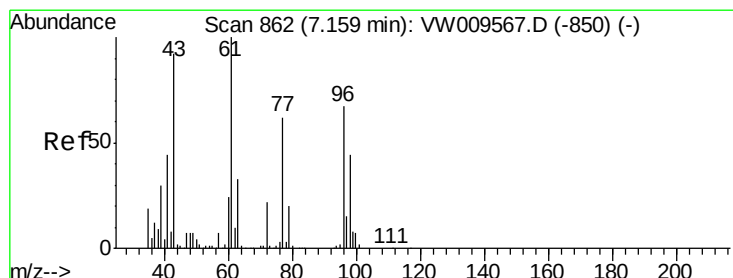
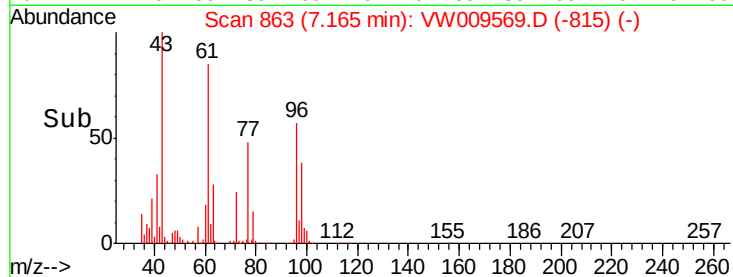
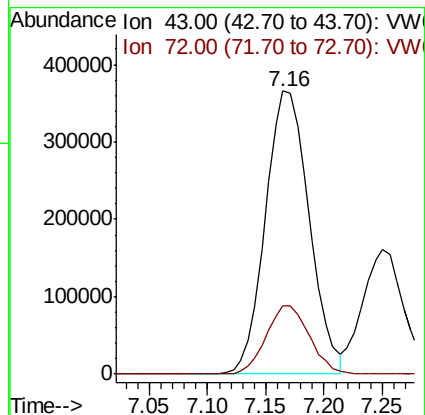
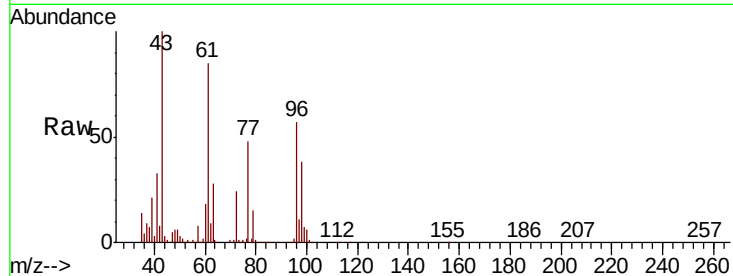
VSTDIC150

Tgt Ion: 43 Resp: 951530

Ion Ratio Lower Upper

43 100

72 24.0 20.0 30.0



#26

2,2-Dichloropropane

Concen: 141.713 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW009569.D

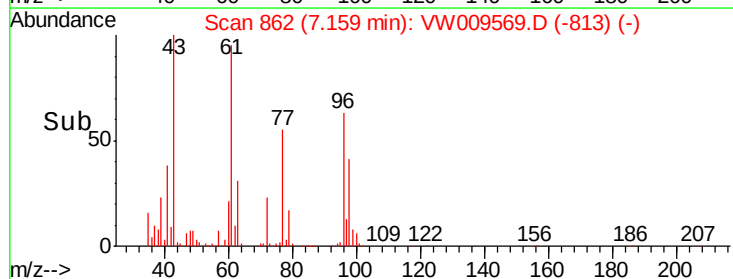
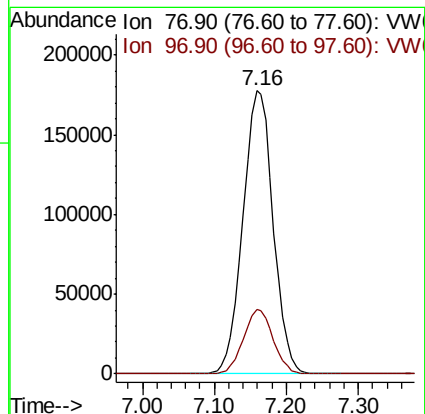
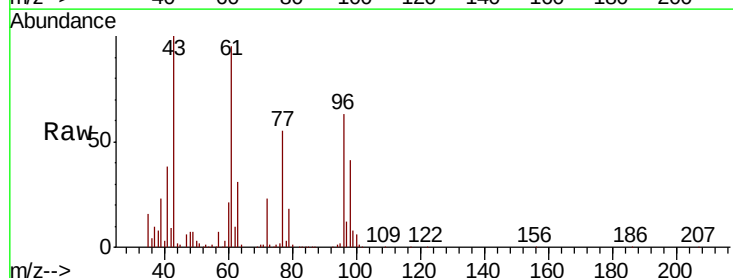
Acq: 29 Mar 2019 12:10

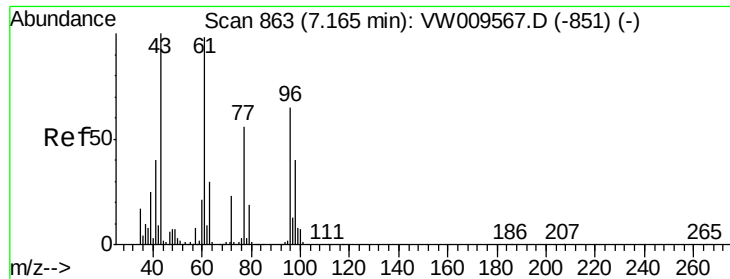
Tgt Ion: 77 Resp: 516662

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.7



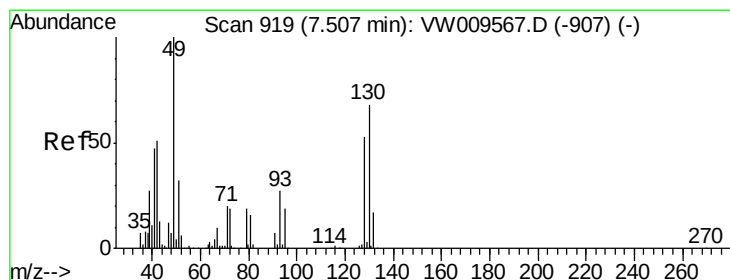
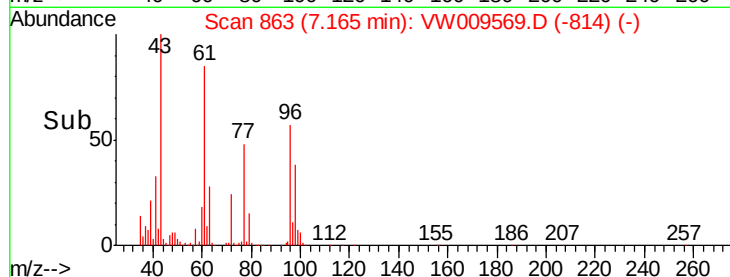
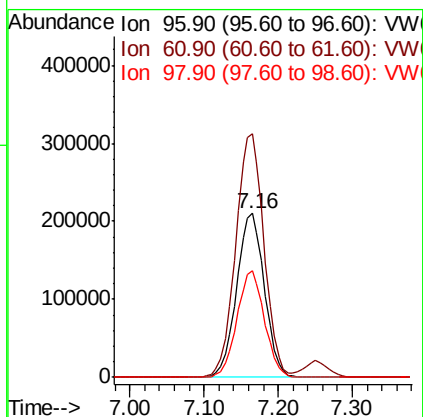
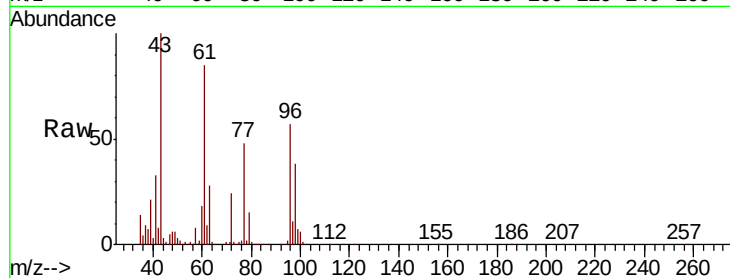


#27

cis-1,2-Dichloroethene
 Concen: 152.952 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

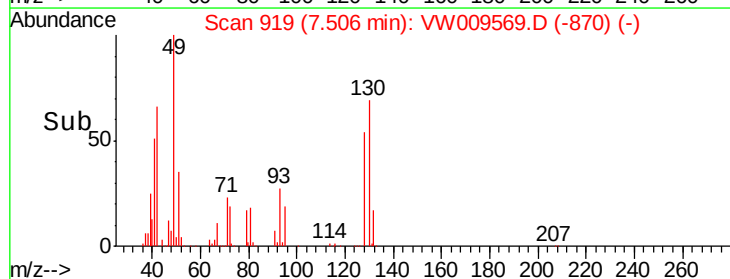
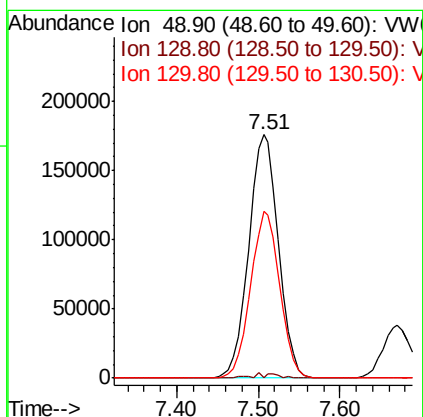
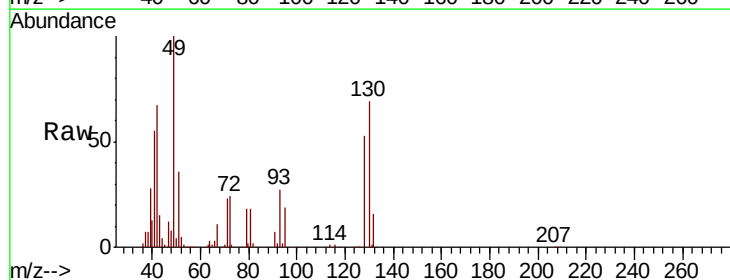
Tgt Ion	Resp	Lower	Upper
96	549524		
Ion Ratio			
96	100		
61	151.1	0.0	289.8
98	64.3	0.0	130.8

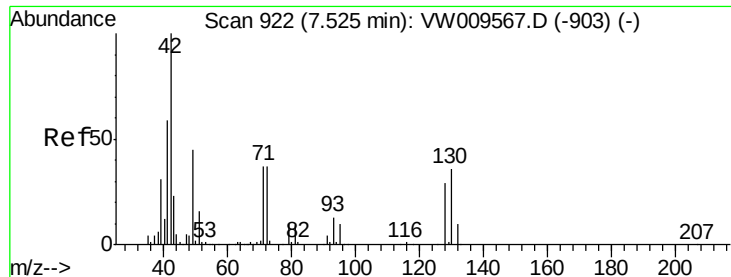


#28

Bromochloromethane
 Concen: 165.746 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion	Resp	Lower	Upper
49	445685		
Ion Ratio			
49	100		
129	0.9	0.0	1.4
130	67.6	58.6	88.0

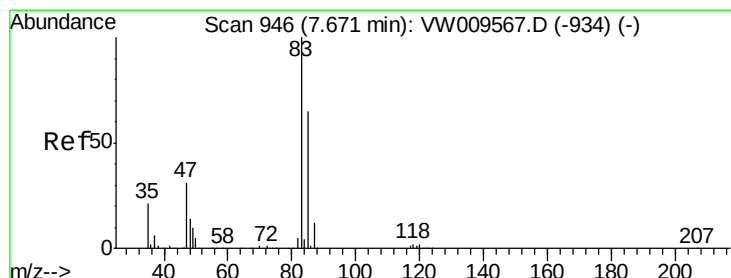
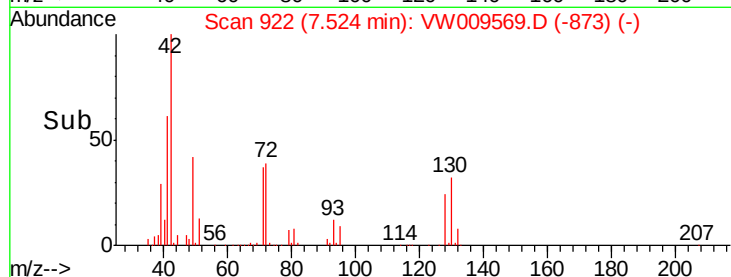
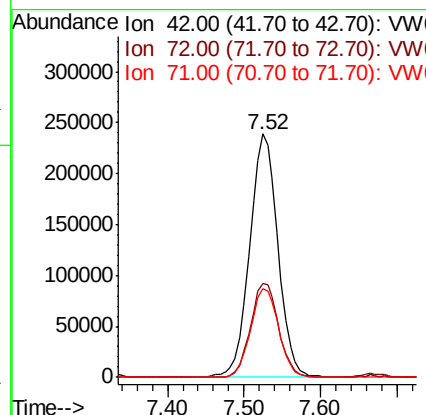
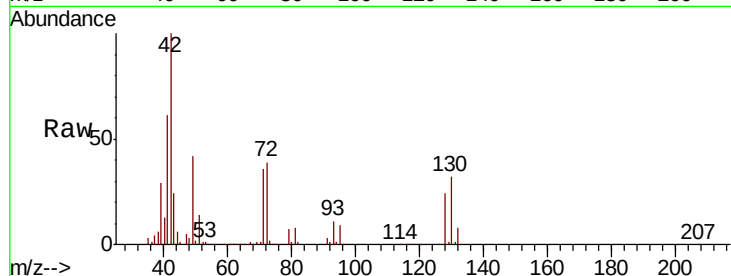




#29
Tetrahydrofuran
Concen: 858.155 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

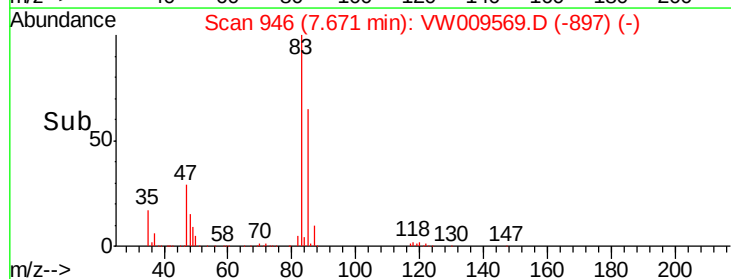
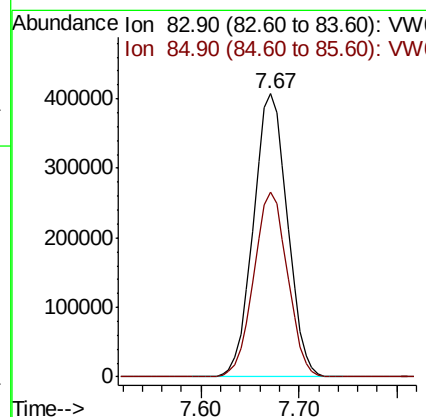
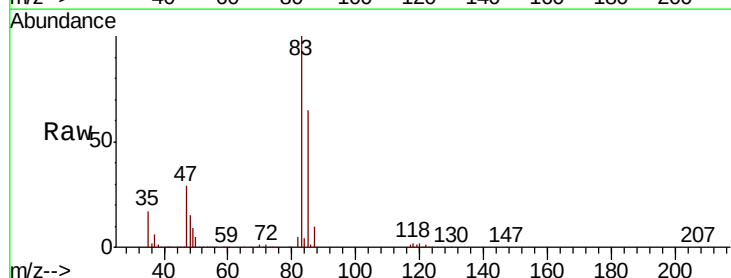
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

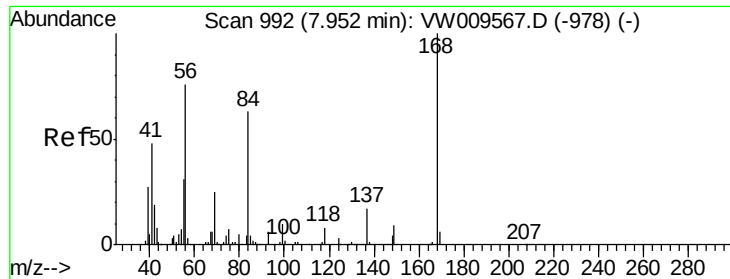
Tgt Ion: 42 Resp: 610660
Ion Ratio Lower Upper
42 100
72 38.6 32.4 48.6
71 36.7 30.1 45.1



#30
Chloroform
Concen: 149.938 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion: 83 Resp: 982600
Ion Ratio Lower Upper
83 100
85 65.2 51.0 76.6

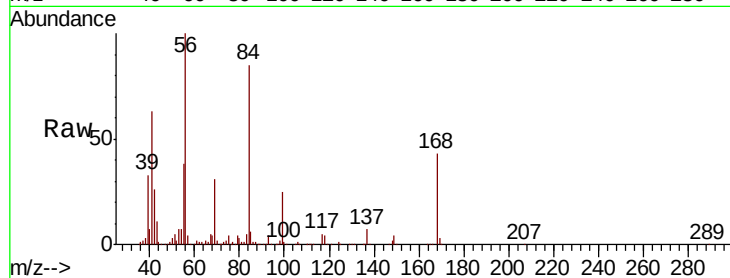




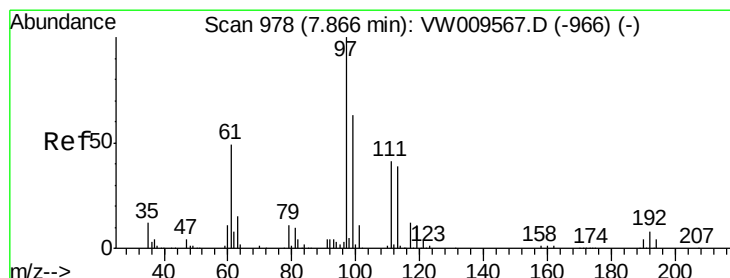
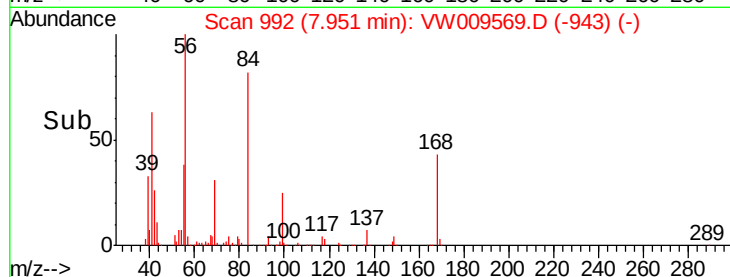
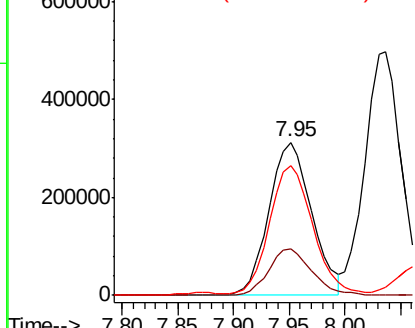
#31
Cyclohexane
Concen: 146.601 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 56 Resp: 833946
Ion Ratio Lower Upper
56 100
69 30.9 26.1 39.1
84 83.5 68.6 103.0

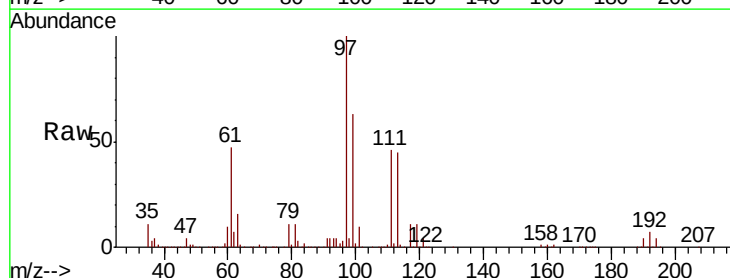


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

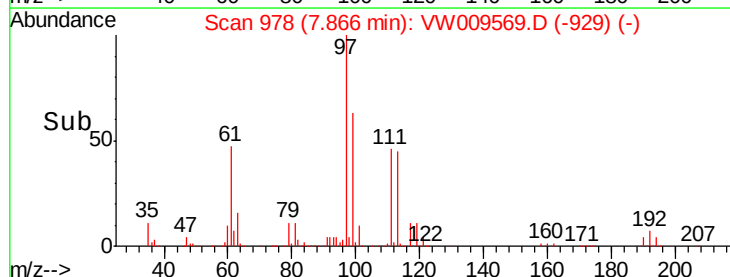
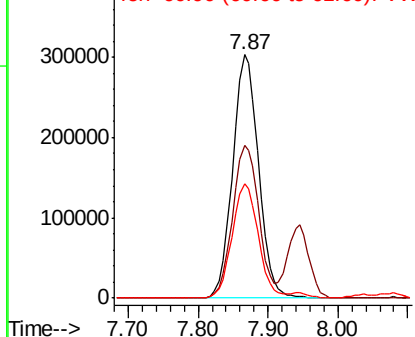


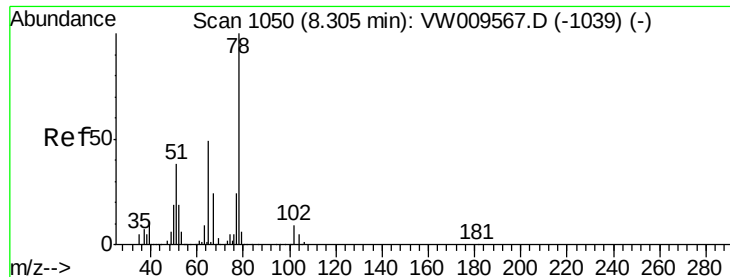
#32
1,1,1-Trichloroethane
Concen: 145.416 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion: 97 Resp: 776058
Ion Ratio Lower Upper
97 100
99 63.5 51.9 77.9
61 47.6 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

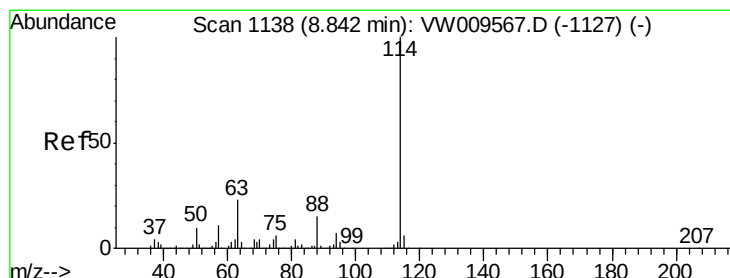
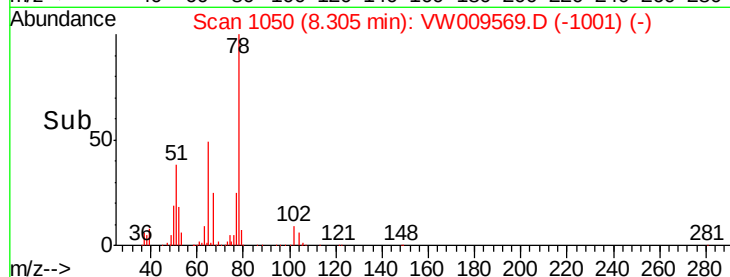
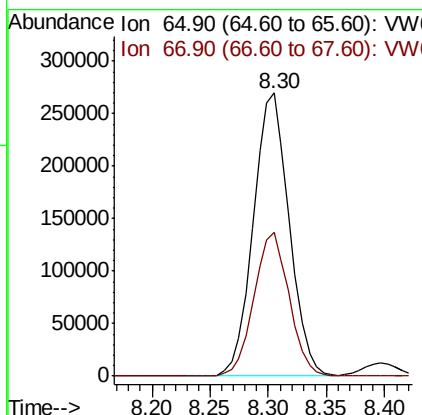
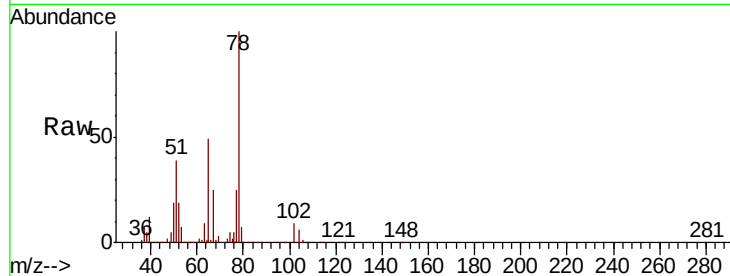




#33
 1,2-Dichloroethane-d4
 Concen: 154.193 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

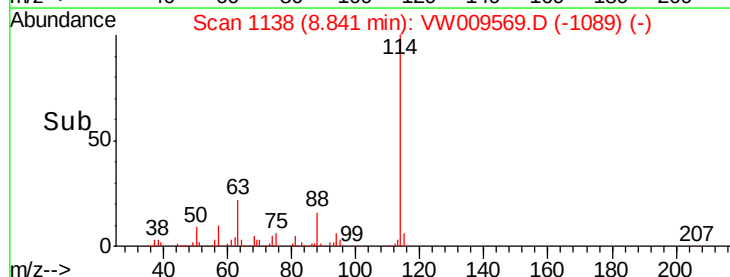
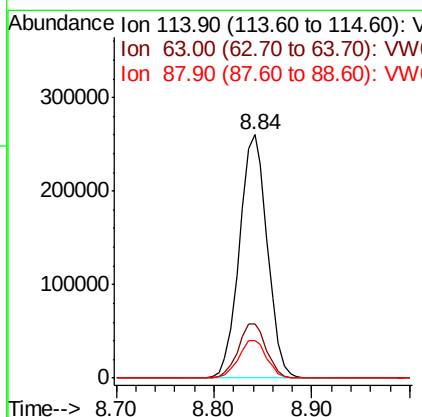
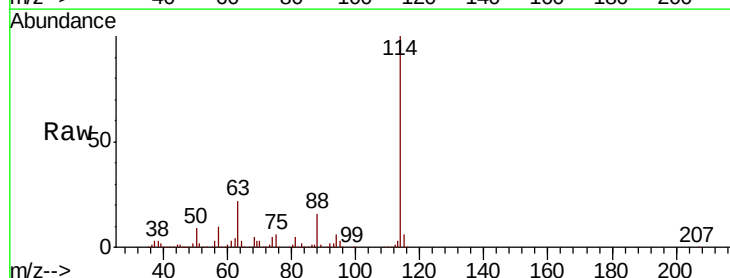
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

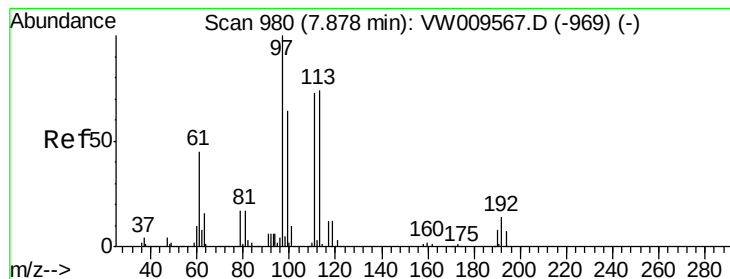
Tgt Ion: 65 Resp: 578588
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion: 114 Resp: 512629
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 42.2
 88 15.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 149.685 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

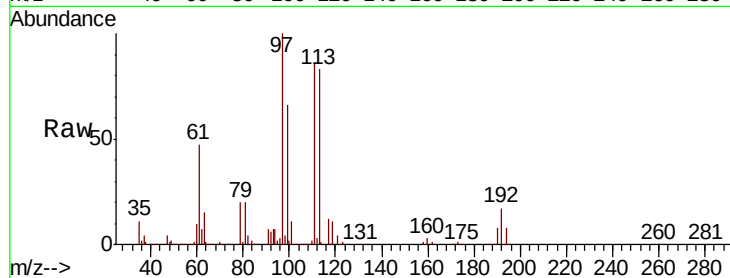
Tgt Ion:113 Resp: 484406

Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

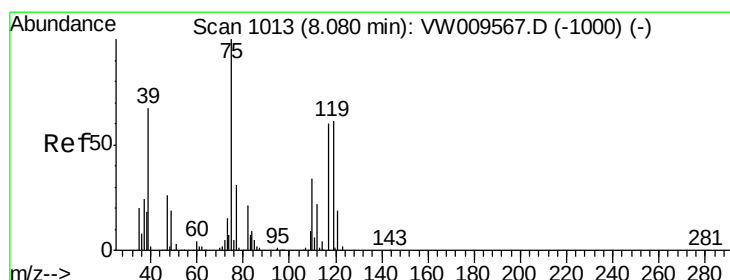
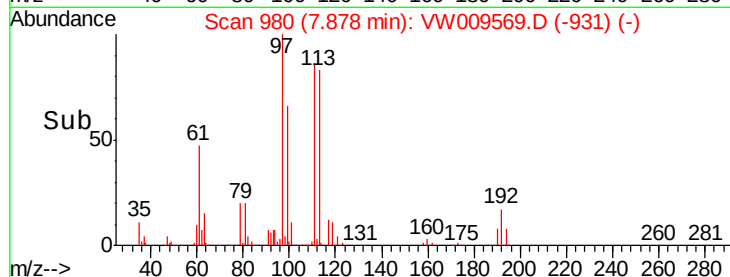
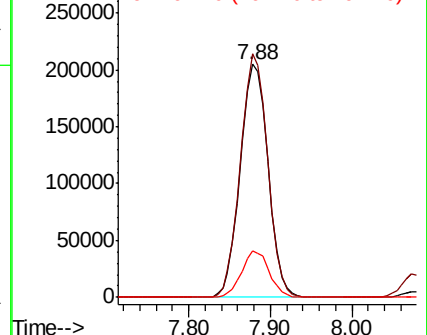
192 19.6 16.4 24.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 140.923 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

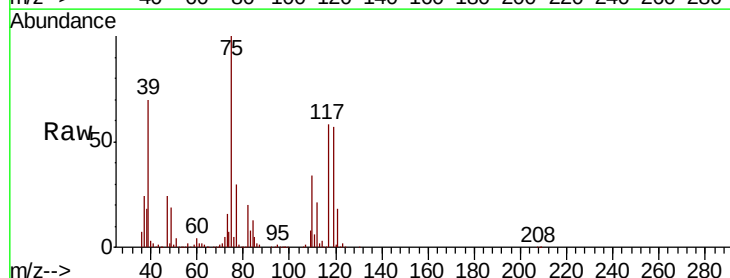
Tgt Ion: 75 Resp: 751914

Ion Ratio Lower Upper

75 100

110 33.3 16.8 50.4

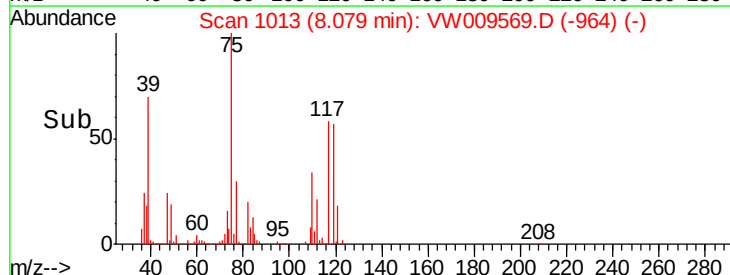
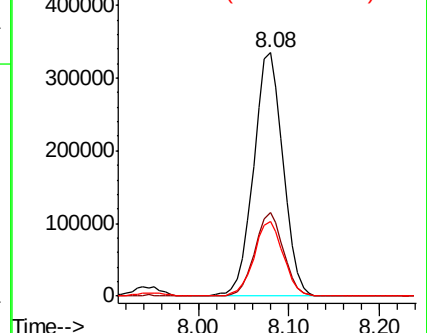
77 30.8 24.6 36.8

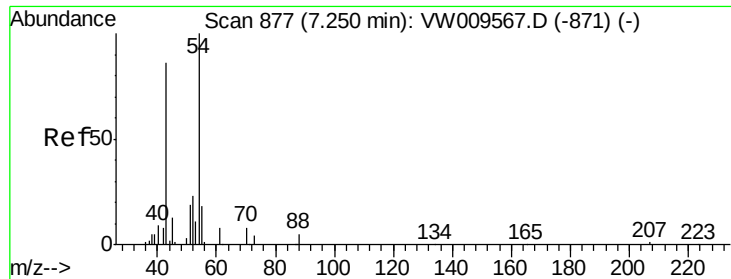


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

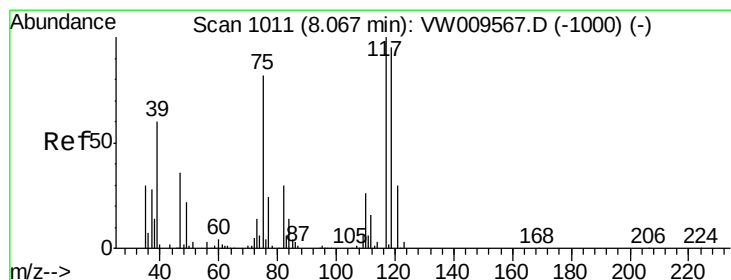
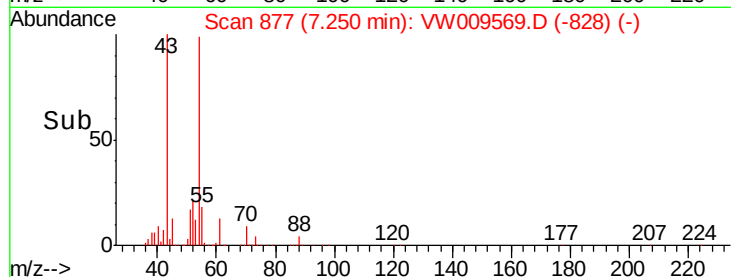
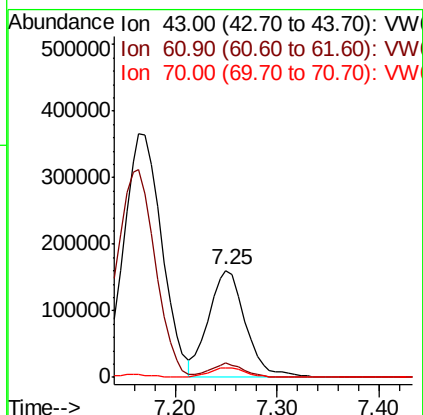
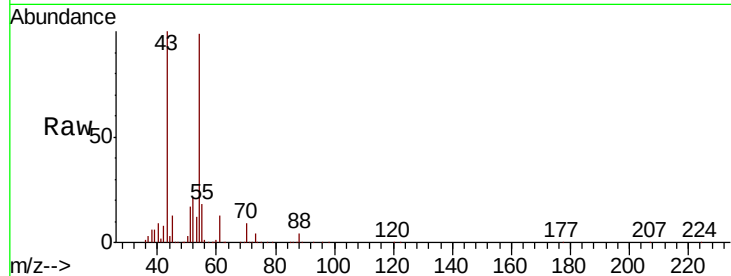




#37
Ethyl Acetate
Concen: 161.244 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

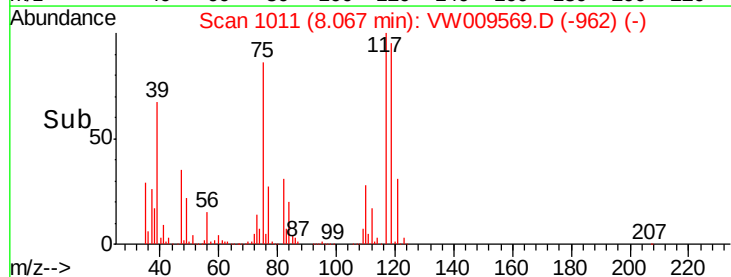
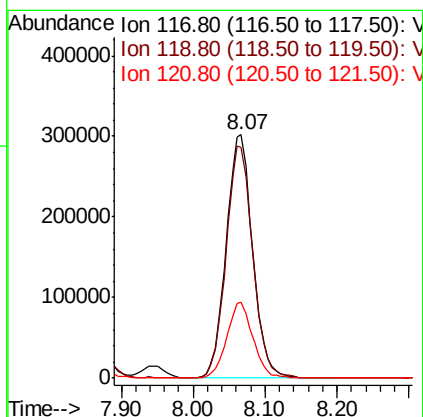
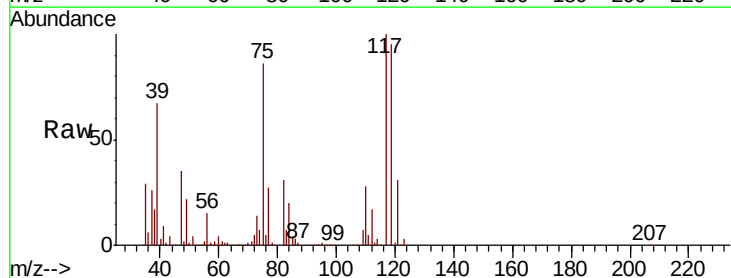
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

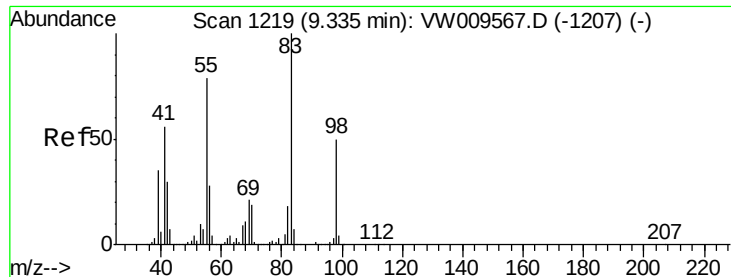
Tgt Ion: 43 Resp: 404132
Ion Ratio Lower Upper
43 100
61 11.9 10.0 15.0
70 9.1 7.3 10.9



#38
Carbon Tetrachloride
Concen: 142.474 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion: 117 Resp: 769710
Ion Ratio Lower Upper
117 100
119 94.8 75.4 113.0
121 31.1 24.9 37.3

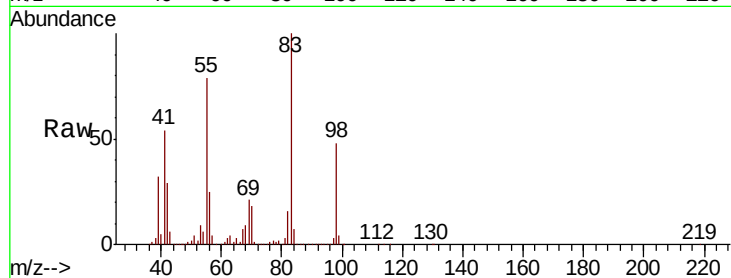




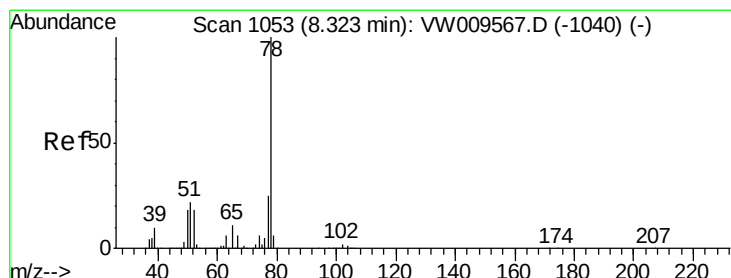
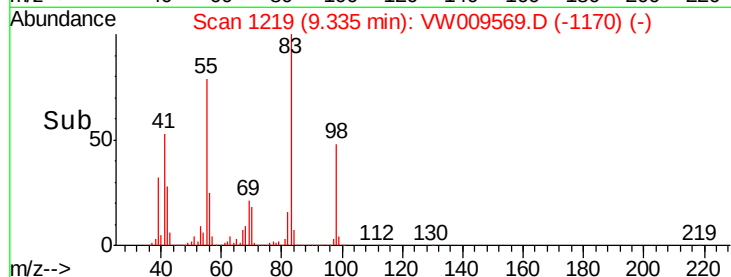
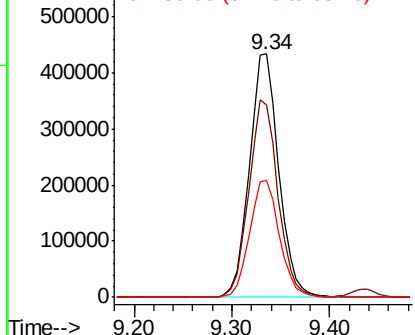
#39
Methylcyclohexane
Concen: 146.863 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 902838
Ion Ratio Lower Upper
83 100
55 79.0 61.1 91.7
98 47.9 39.0 58.4

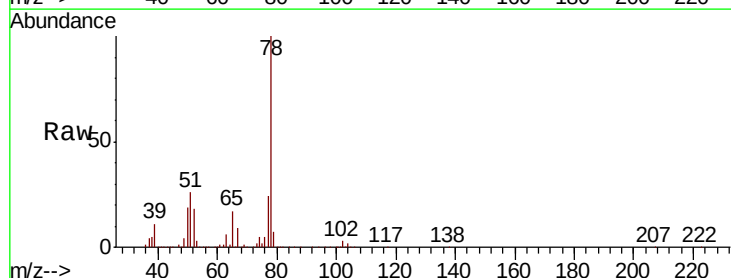


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

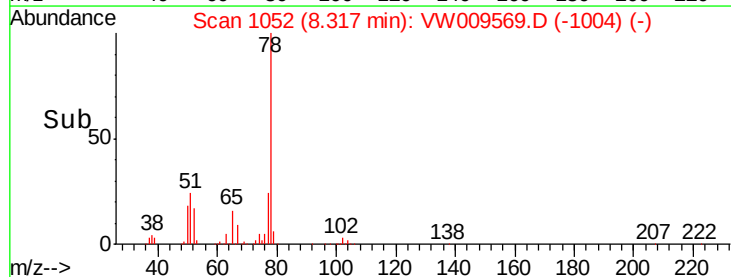
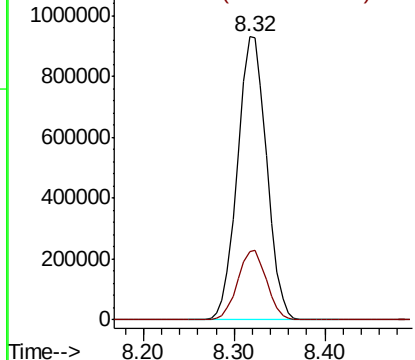


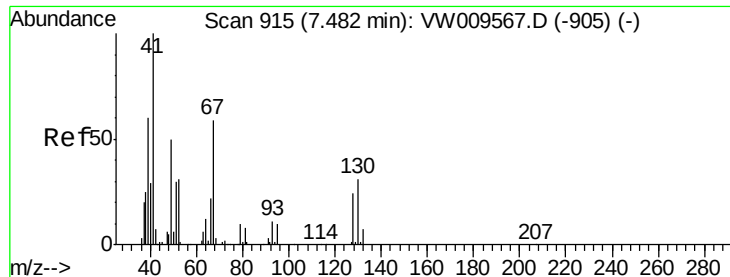
#40
Benzene
Concen: 143.707 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion: 78 Resp: 2073796
Ion Ratio Lower Upper
78 100
77 24.4 19.8 29.6



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

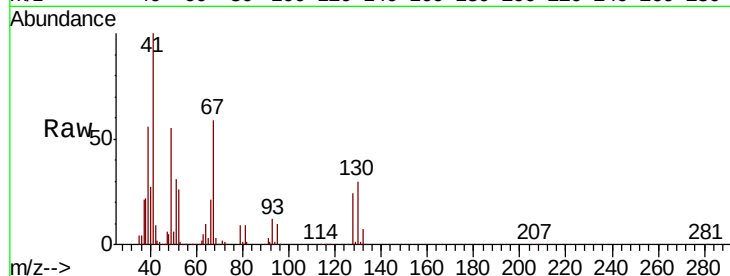




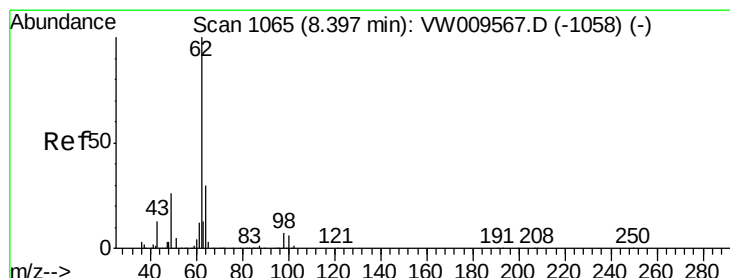
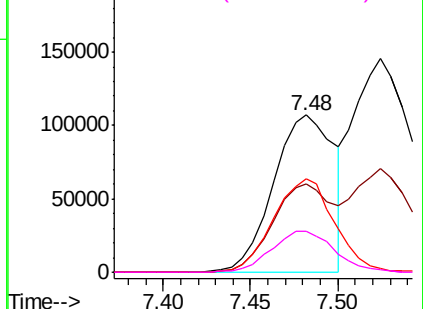
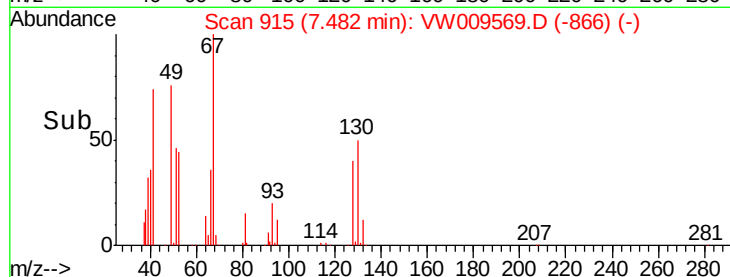
#41
Methacrylonitrile
Concen: 173.777 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:	41	Resp:	259134
Ion	Ratio	Lower	Upper
41	100		
39	55.8	52.5	78.7
67	60.2	56.6	84.8
52	27.2	27.2	40.8

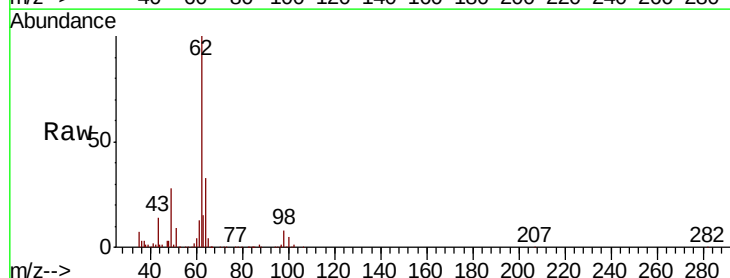


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

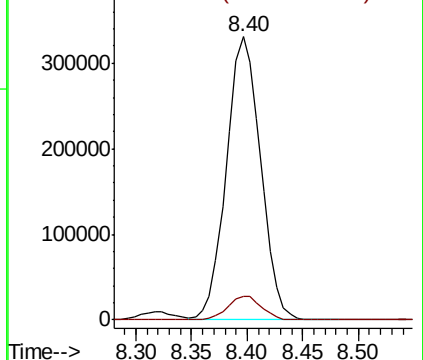
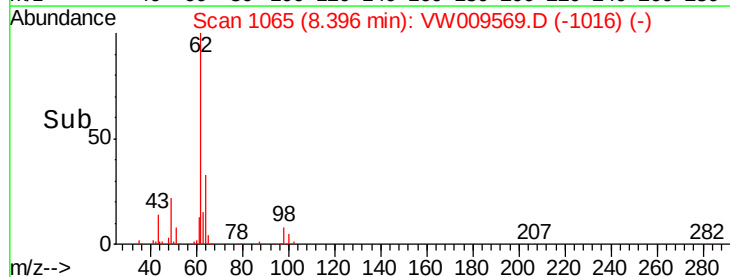


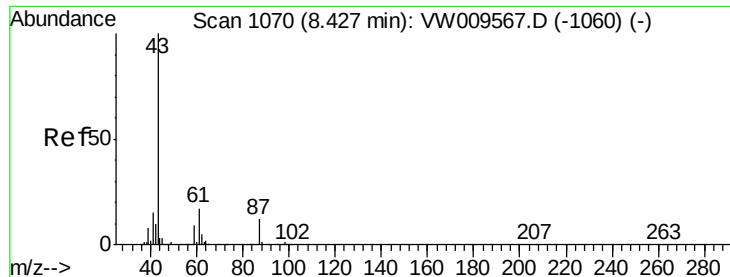
#42
1,2-Dichloroethane
Concen: 146.309 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion:	62	Resp:	704646
Ion	Ratio	Lower	Upper
62	100		
98	8.2	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: 164.412 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

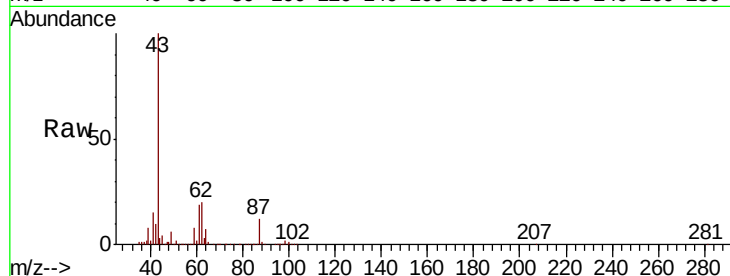
Tgt Ion: 43 Resp: 798410

Ion Ratio Lower Upper

43 100

61 26.7 22.2 33.2

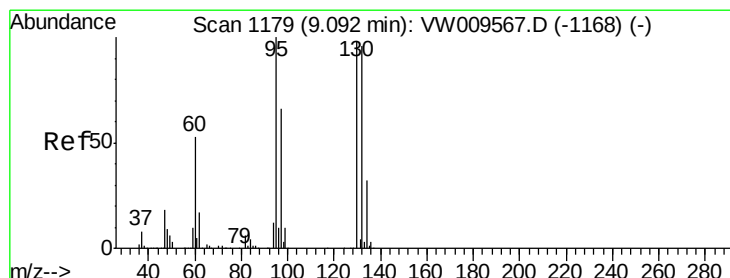
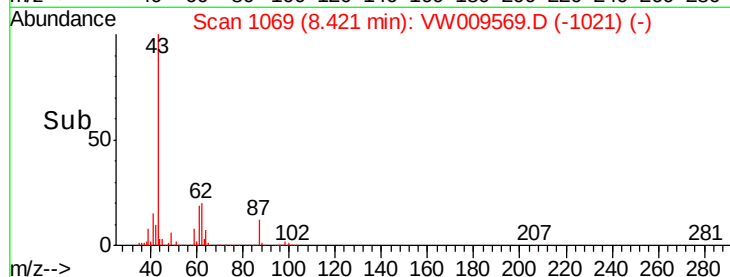
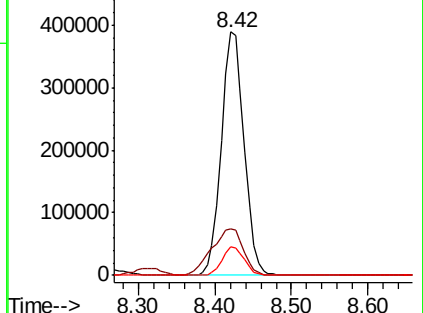
87 11.4 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 143.385 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW009569.D

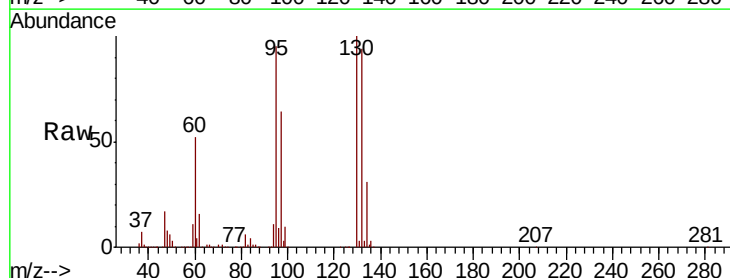
Acq: 29 Mar 2019 12:10

Tgt Ion: 130 Resp: 534047

Ion Ratio Lower Upper

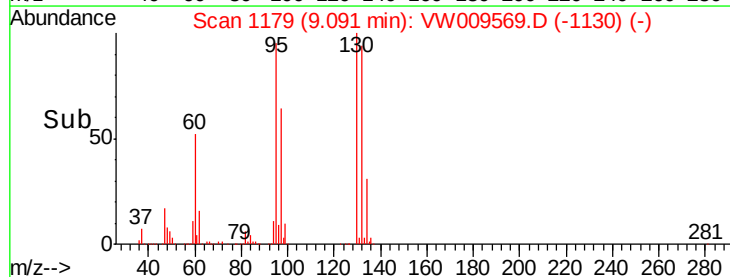
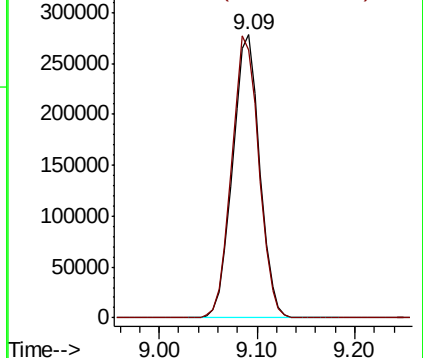
130 100

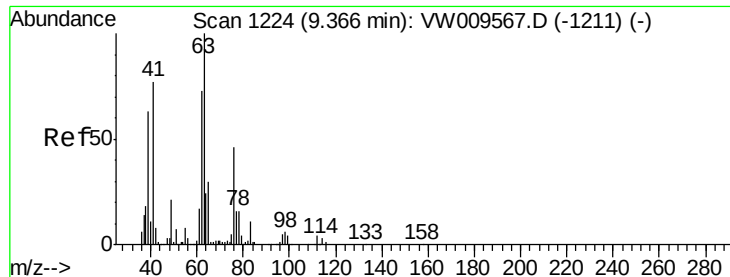
95 94.7 0.0 192.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

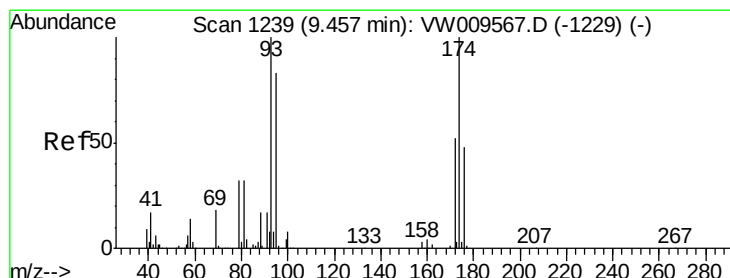
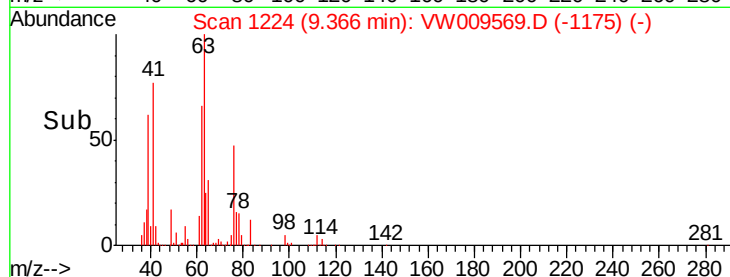
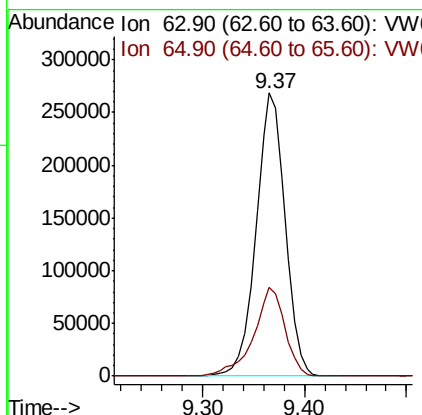
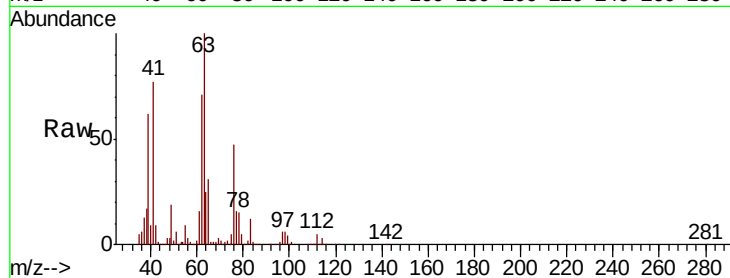




#45
 1,2-Dichloropropane
 Concen: 144.246 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

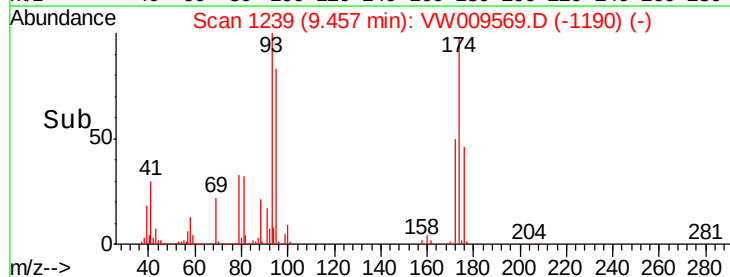
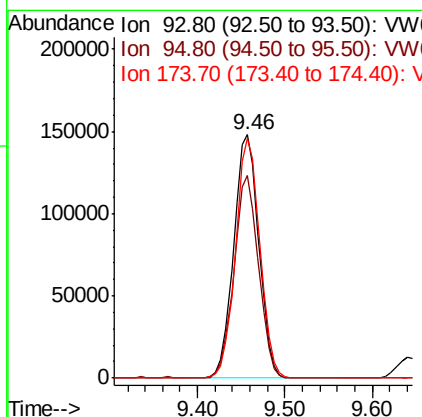
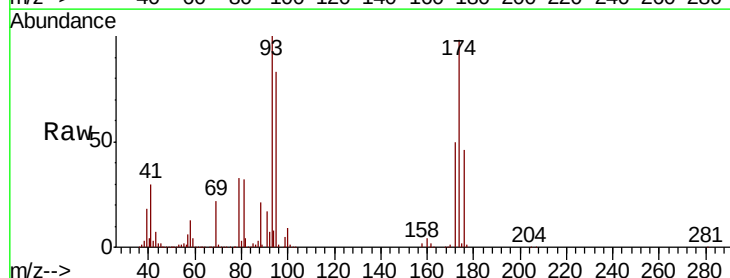
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

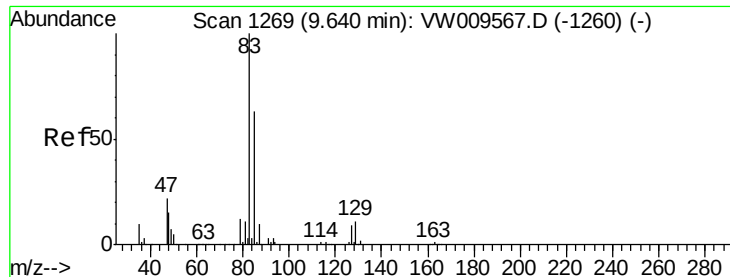
Tgt Ion: 63 Resp: 530770
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.8 38.8



#46
 Dibromomethane
 Concen: 150.049 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion: 93 Resp: 295193
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.9 100.3
 174 95.6 80.8 121.2





#47

Bromodichloromethane

Concen: 147.608 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

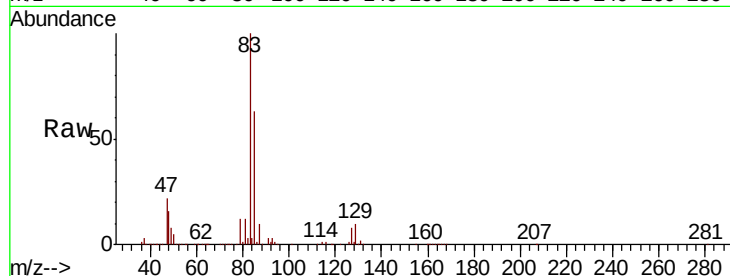
Tgt Ion: 83 Resp: 756548

Ion Ratio Lower Upper

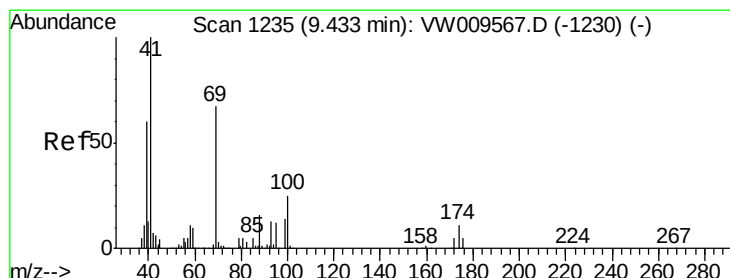
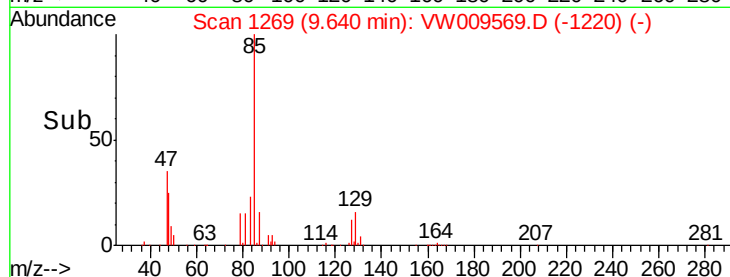
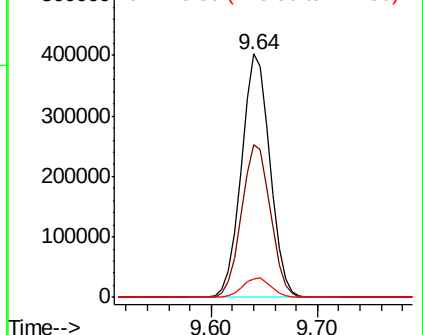
83 100

85 62.8 52.6 79.0

127 7.8 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: 167.263 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

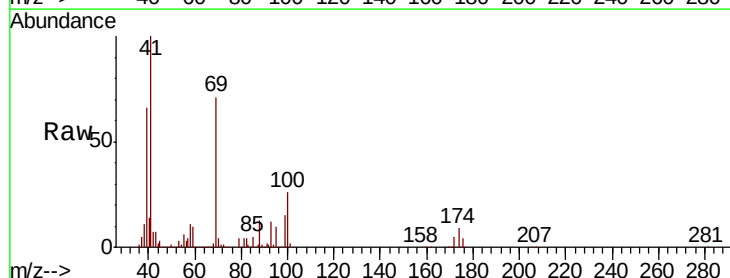
Tgt Ion: 41 Resp: 402736

Ion Ratio Lower Upper

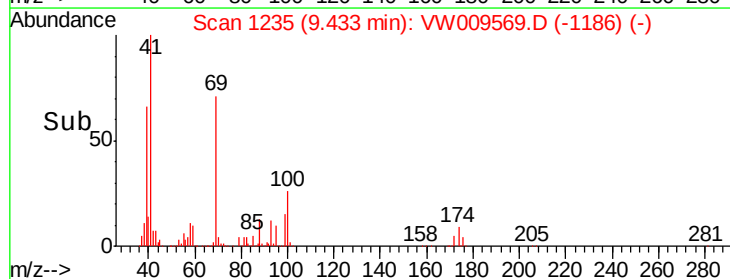
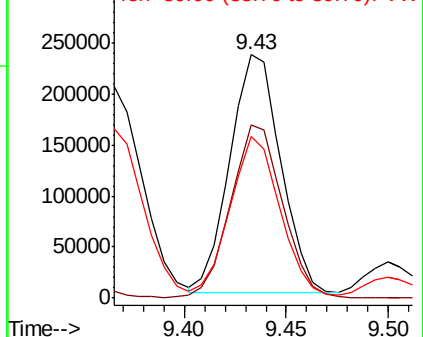
41 100

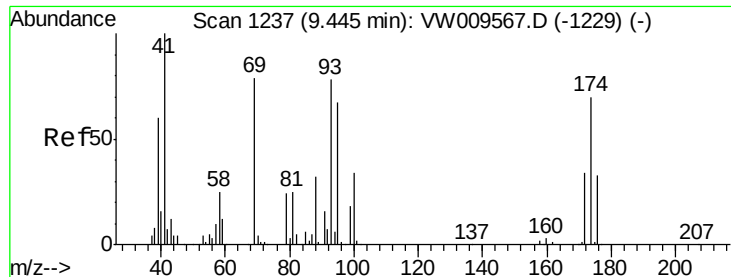
69 75.0 63.0 94.6

39 67.7 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: 3156.746 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

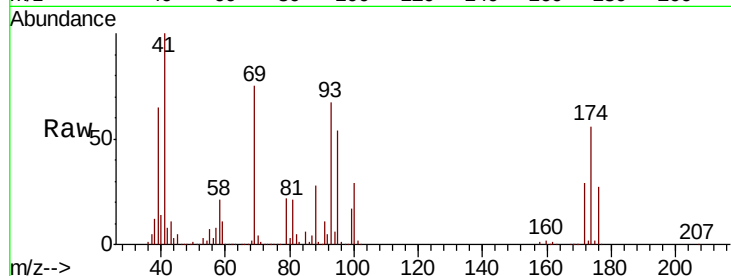
Tgt Ion: 88 Resp: 96022

Ion Ratio Lower Upper

88 100

43 39.4 29.7 44.5

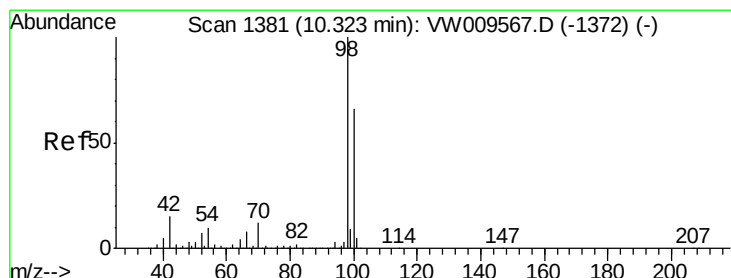
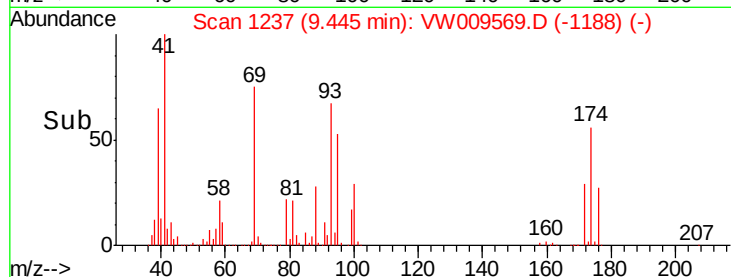
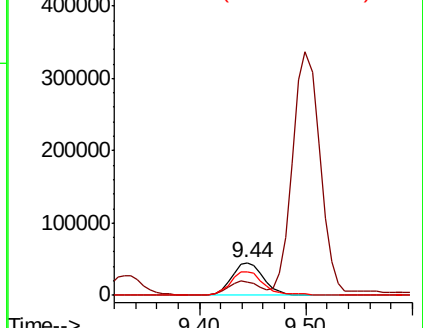
58 75.9 58.1 87.1



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: 151.135 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009569.D

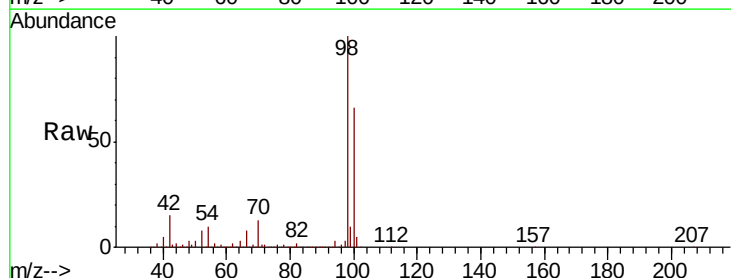
Acq: 29 Mar 2019 12:10

Tgt Ion: 98 Resp: 1887442

Ion Ratio Lower Upper

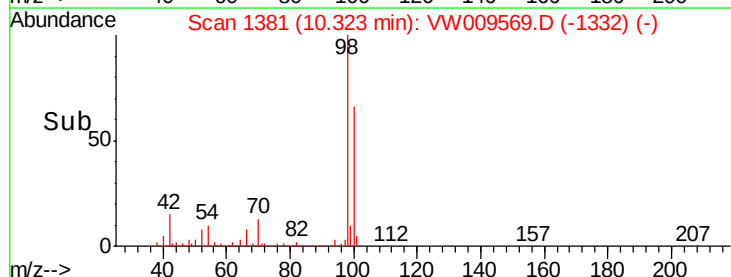
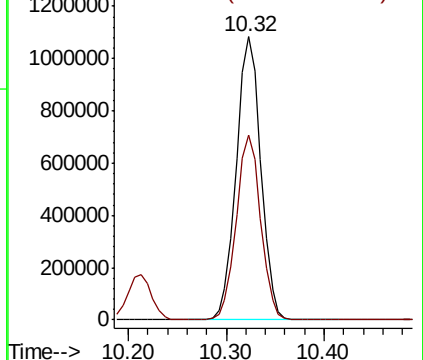
98 100

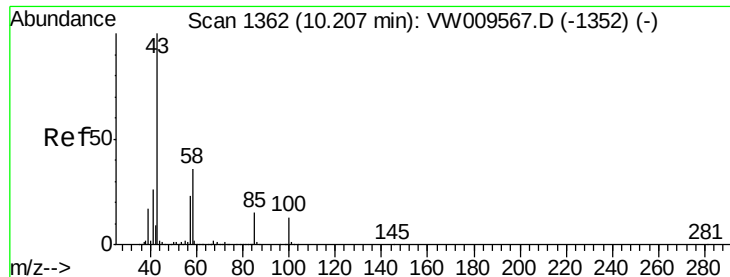
100 64.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

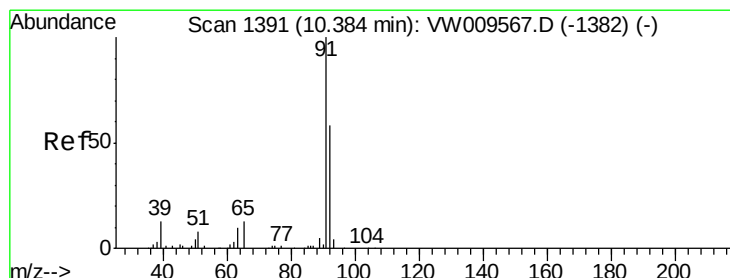
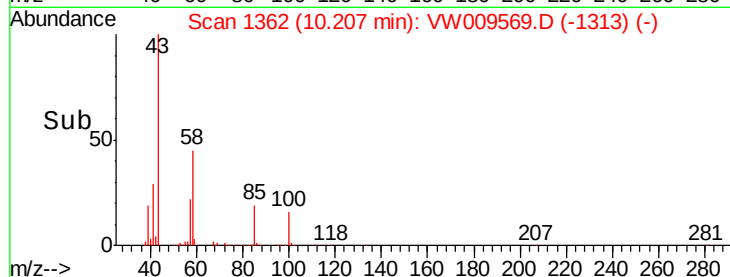
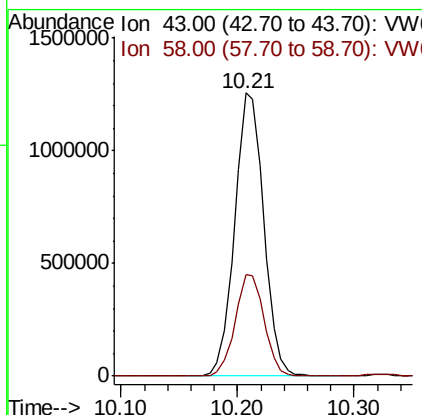
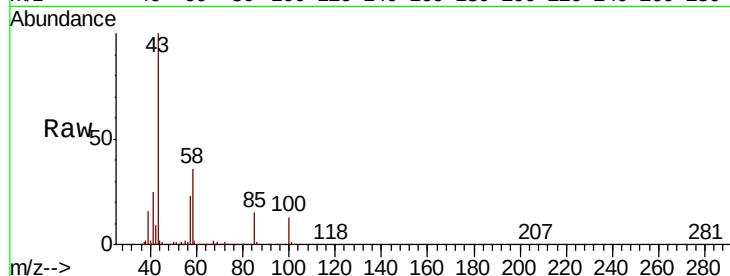




#51
 4-Methyl-2-Pentanone
 Concen: 819.577 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

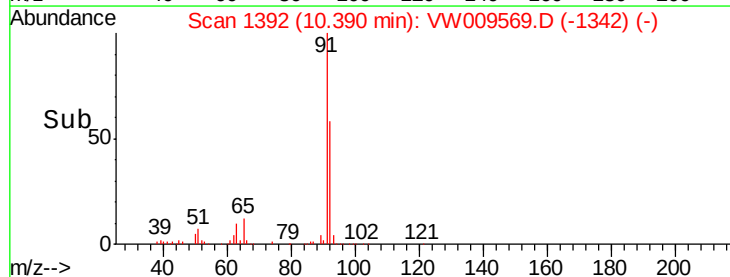
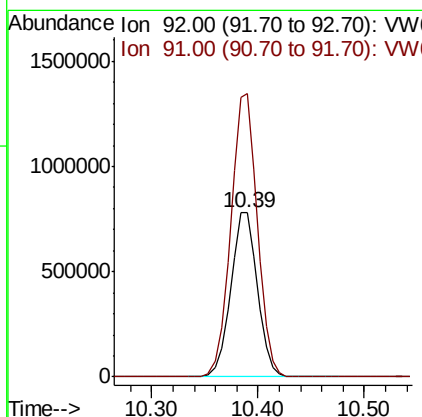
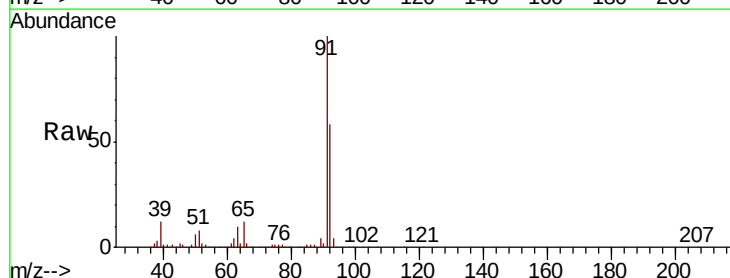
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

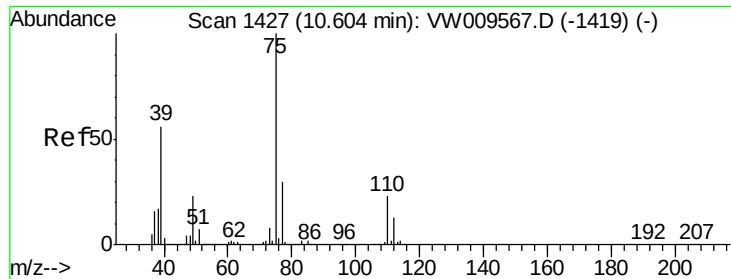
Tgt Ion: 43 Resp: 2181701
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.6 42.8



#52
 Toluene
 Concen: 147.384 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion: 92 Resp: 1364087
 Ion Ratio Lower Upper
 92 100
 91 171.9 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 156.706 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampled :

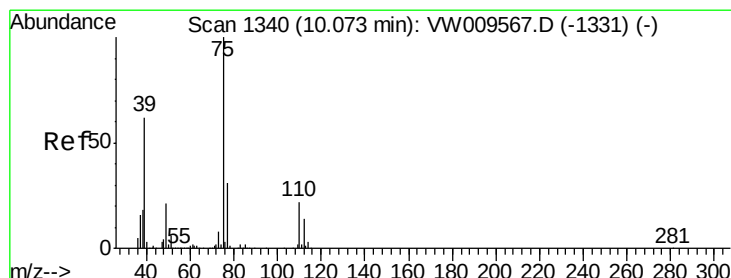
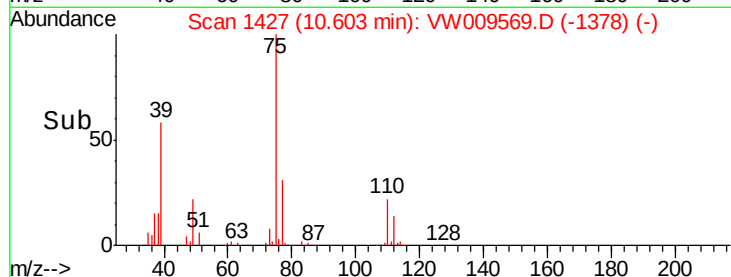
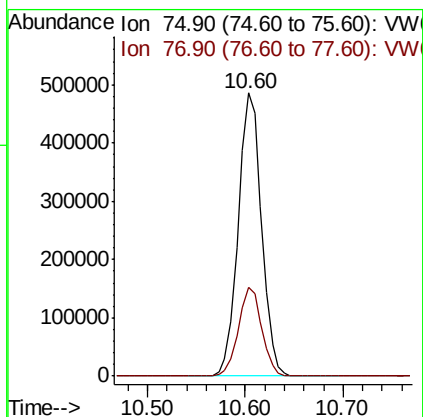
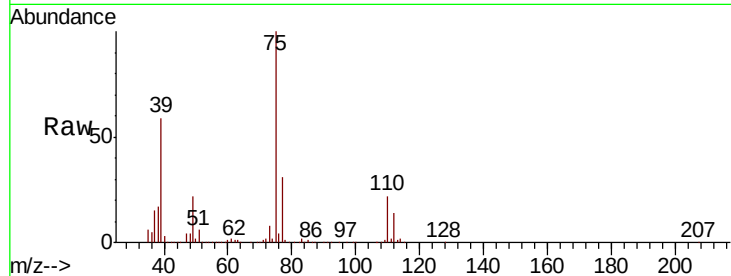
VSTDIC150

Tgt Ion: 75 Resp: 799624

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 153.450 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

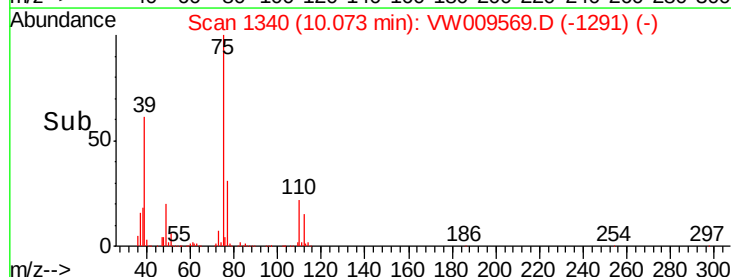
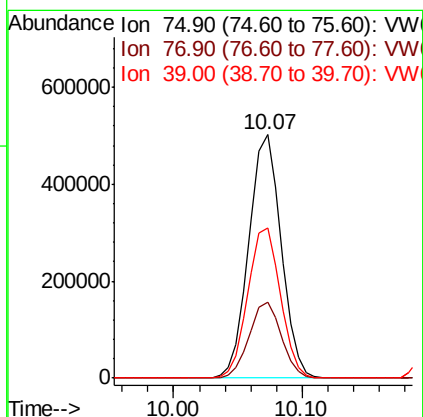
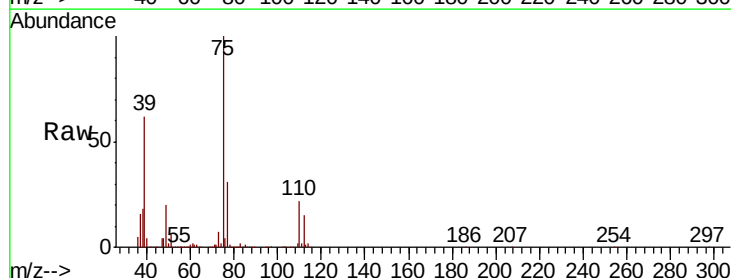
Tgt Ion: 75 Resp: 870289

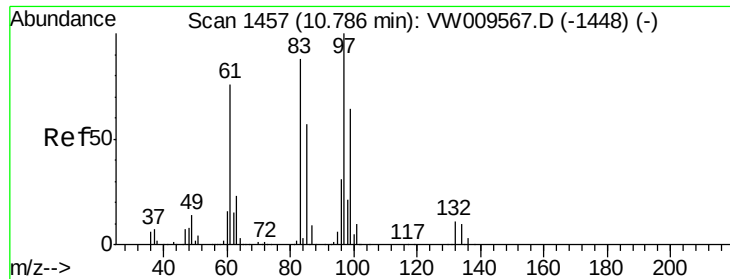
Ion Ratio Lower Upper

75 100

77 31.3 25.9 38.9

39 61.6 46.8 70.2





#55

1,1,2-Trichloroethane

Concen: 151.237 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 404680

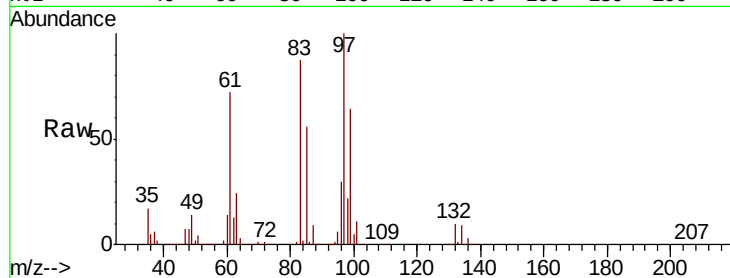
Ion Ratio Lower Upper

97 100

83 86.8 66.3 99.5

85 56.3 41.4 62.2

99 63.5 48.7 73.1

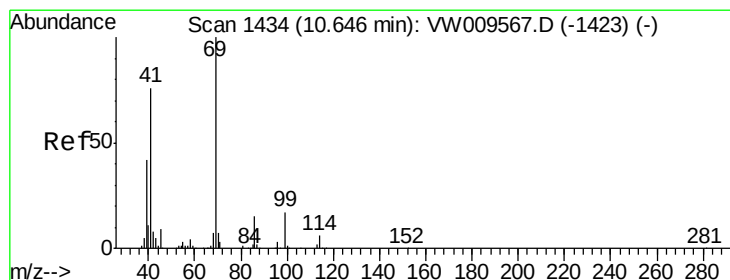
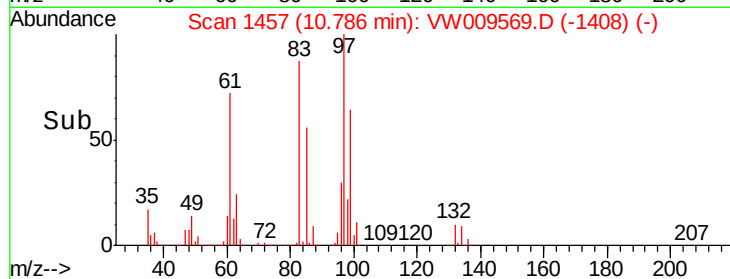
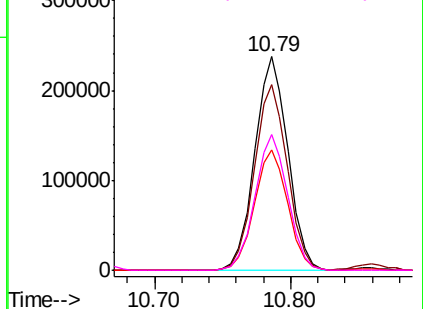


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 169.988 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

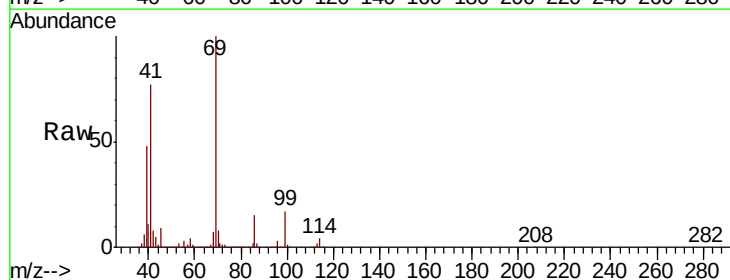
Tgt Ion: 69 Resp: 591358

Ion Ratio Lower Upper

69 100

41 77.3 59.3 88.9

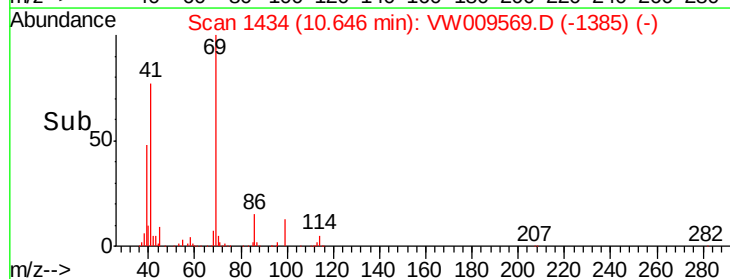
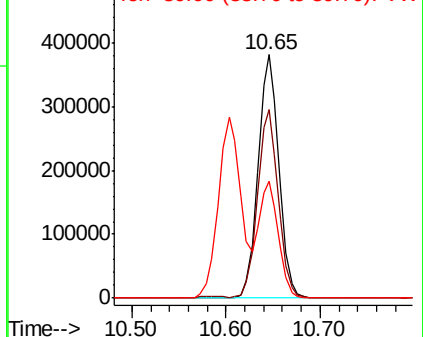
39 44.8 36.2 54.2

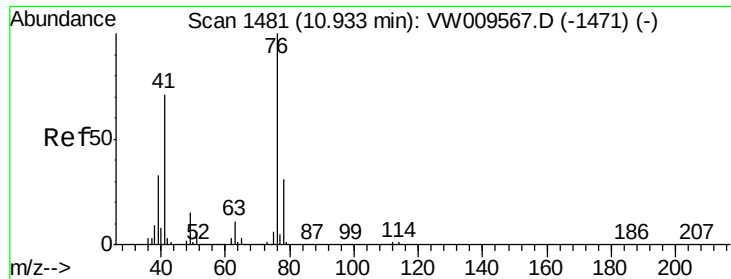


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

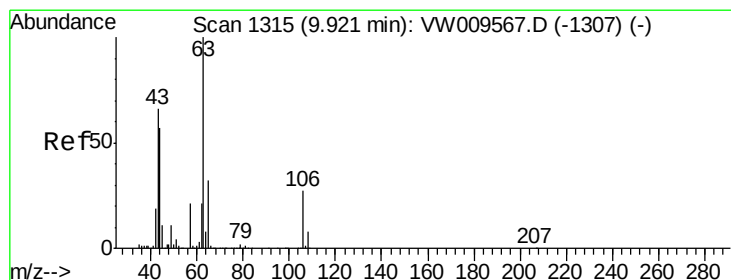
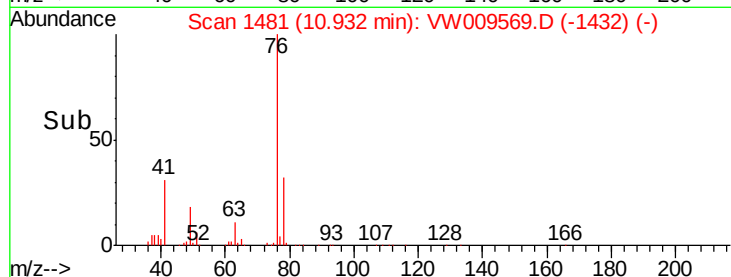
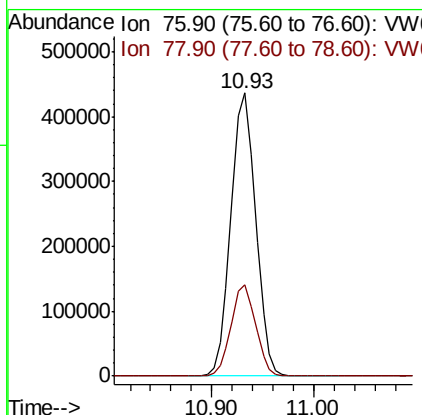
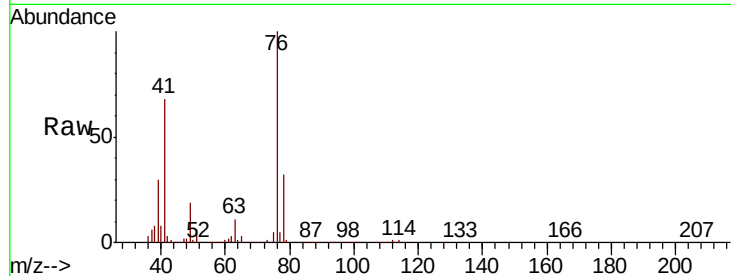




#57
 1,3-Dichloropropane
 Concen: 152.496 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

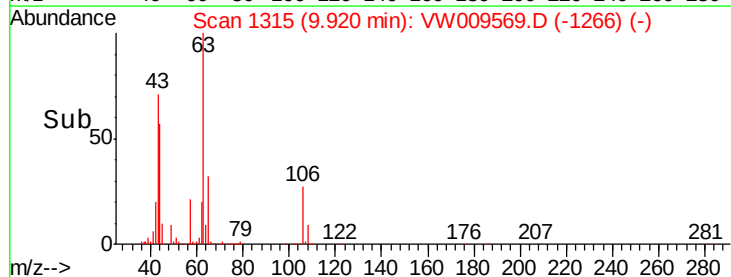
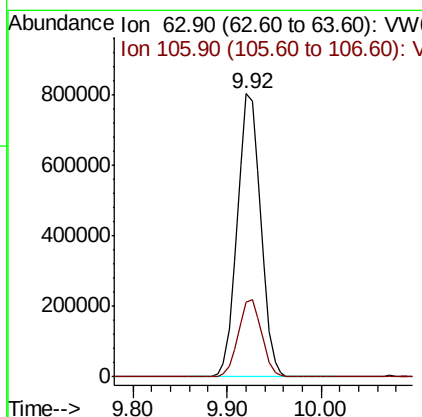
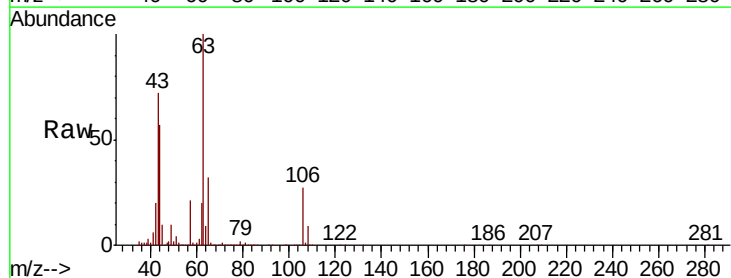
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

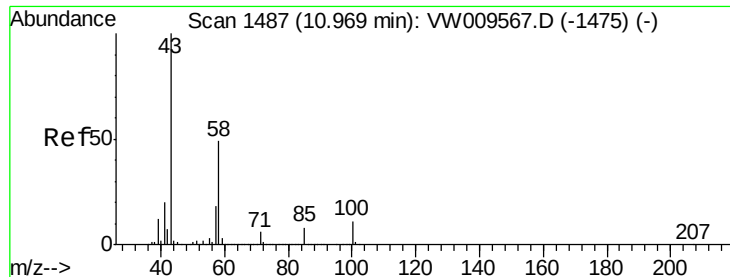
Tgt Ion: 76 Resp: 733660
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 814.500 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion: 63 Resp: 1388172
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.9 34.3

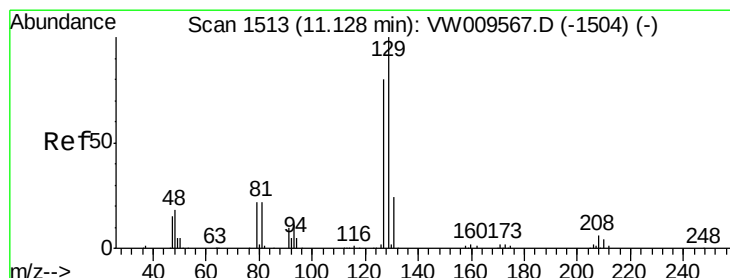
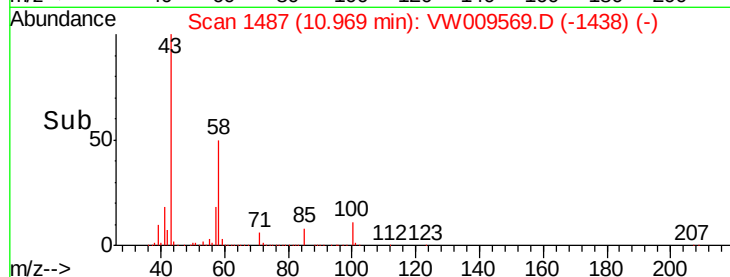
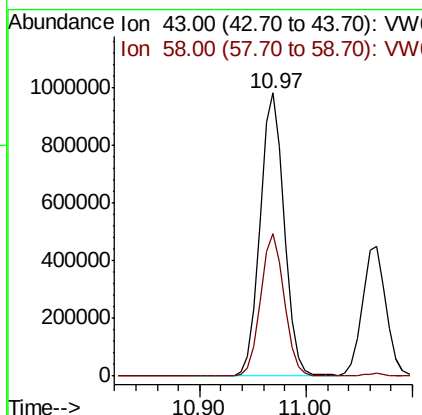
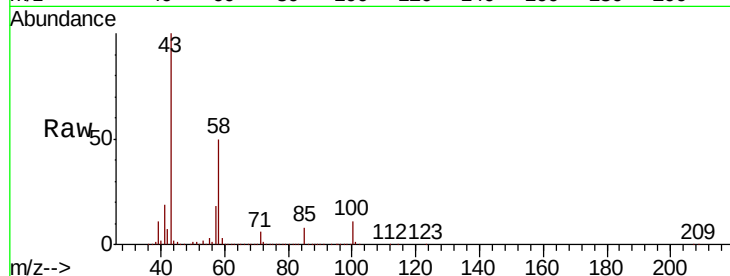




#59
2-Hexanone
Concen: 825.529 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

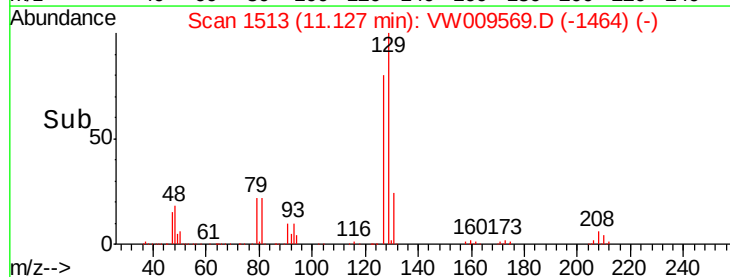
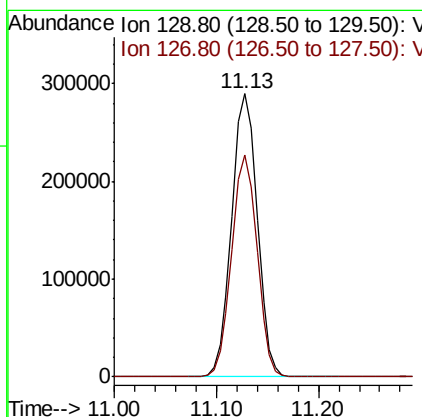
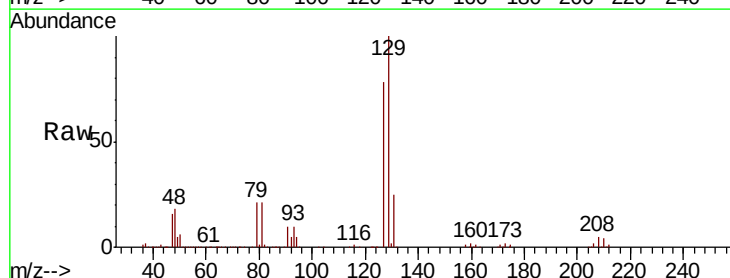
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

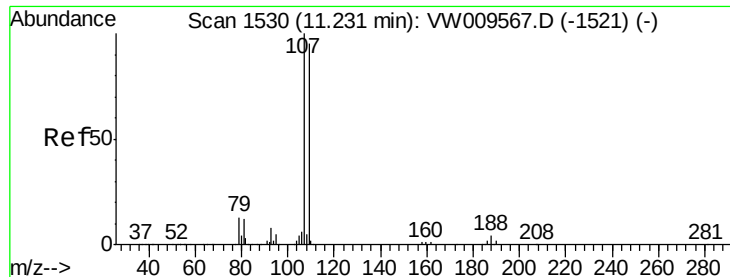
Tgt Ion: 43 Resp: 1563481
Ion Ratio Lower Upper
43 100
58 49.4 24.2 72.6



#60
Dibromochloromethane
Concen: 154.715 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion: 129 Resp: 502670
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 153.094 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

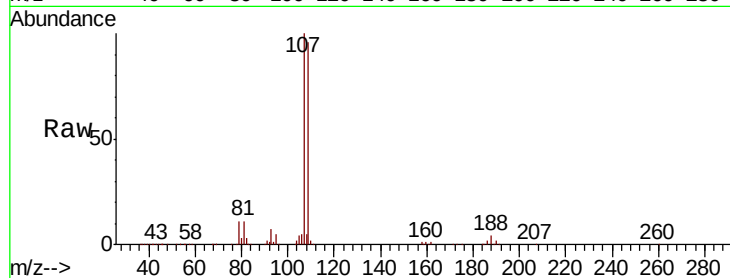
VSTDIC150

Tgt Ion: 107 Resp: 395354

Ion Ratio Lower Upper

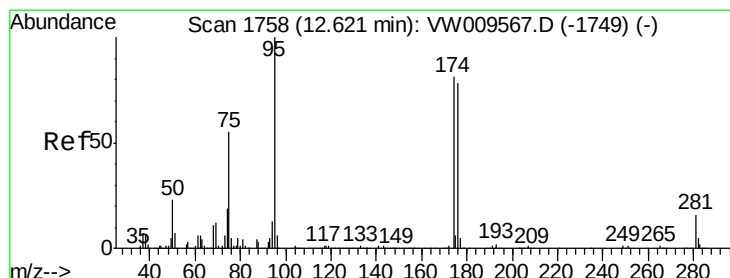
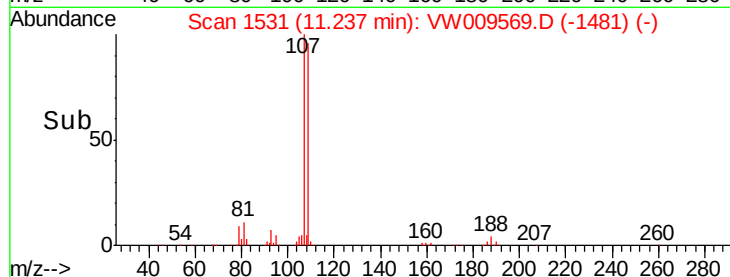
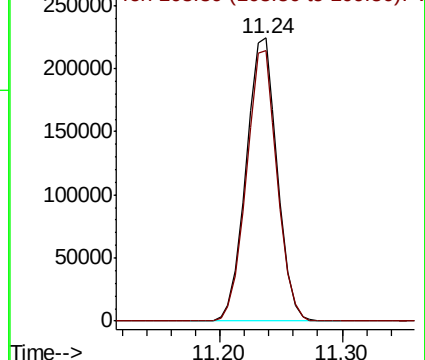
107 100

109 94.2 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 154.963 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

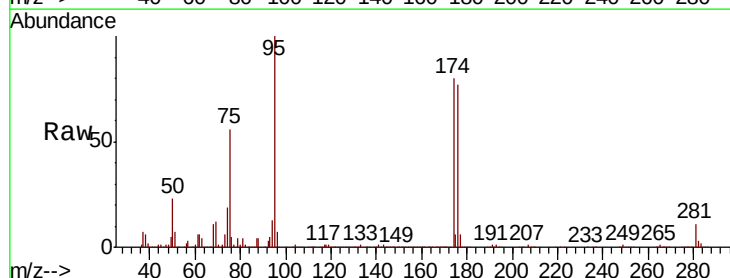
Tgt Ion: 95 Resp: 721916

Ion Ratio Lower Upper

95 100

174 77.7 0.0 168.4

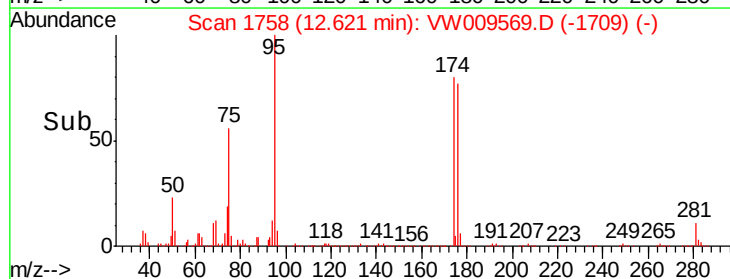
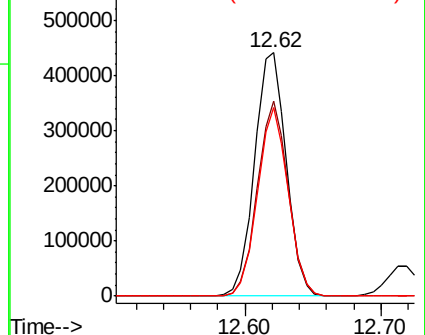
176 74.7 0.0 161.6

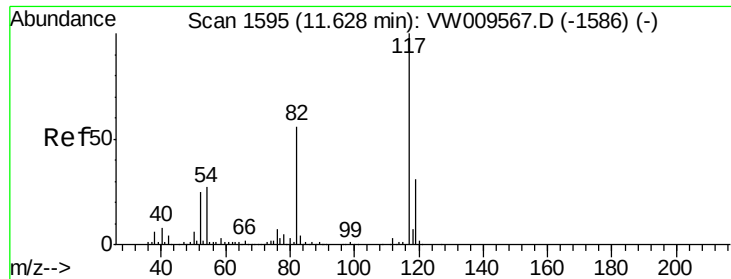


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

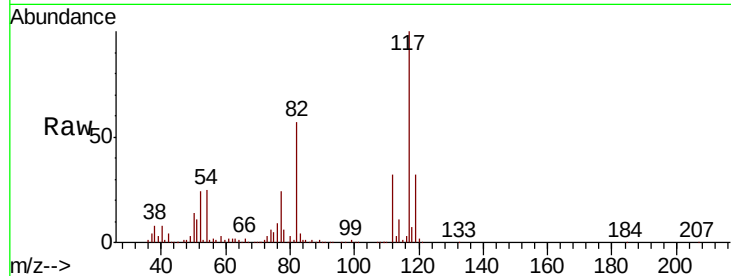




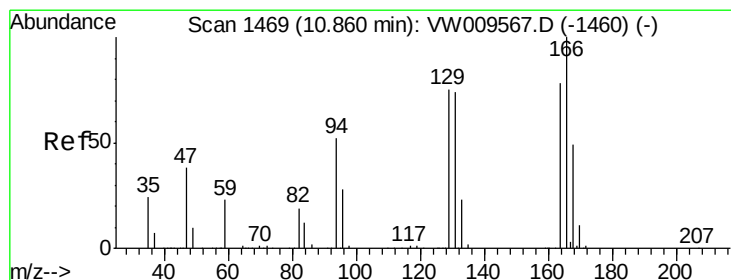
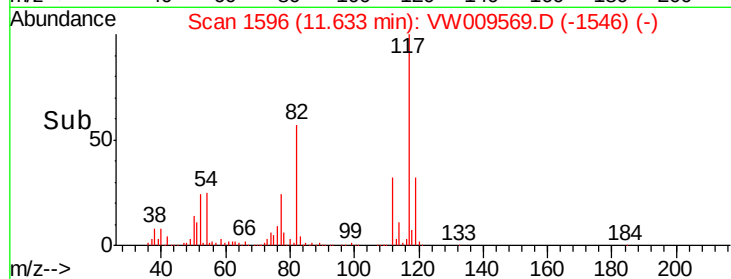
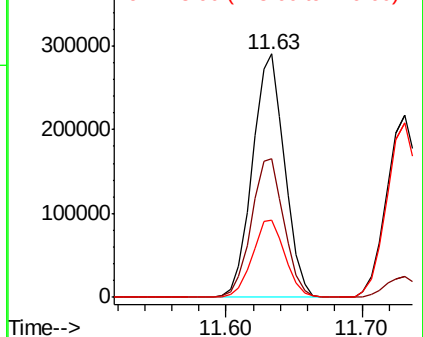
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 480129
Ion Ratio Lower Upper
117 100
82 56.8 43.6 65.4
119 31.9 26.0 39.0

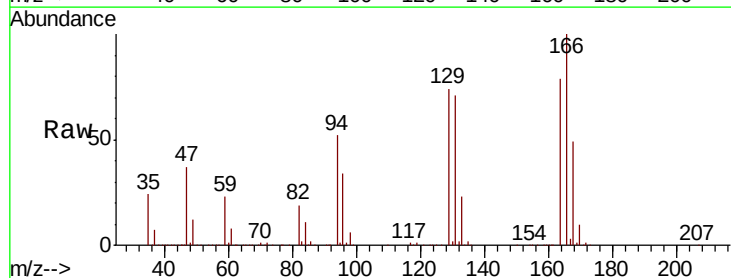


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

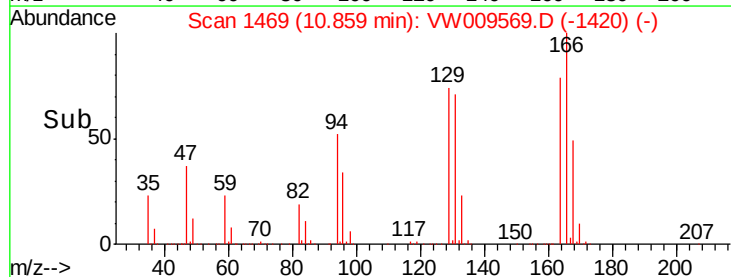
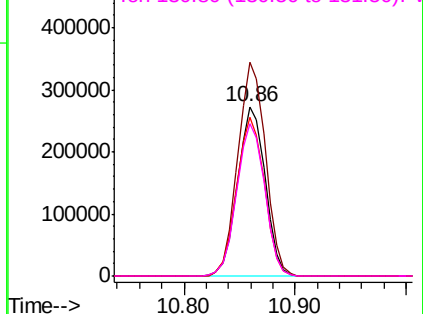


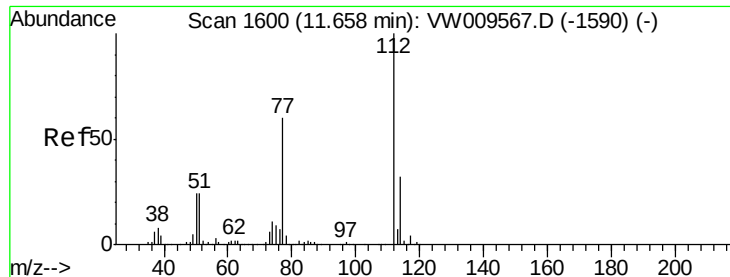
#64
Tetrachloroethene
Concen: 146.985 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion:164 Resp: 468653
Ion Ratio Lower Upper
164 100
166 126.4 100.9 151.3
129 94.1 72.0 108.0
131 89.9 69.8 104.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

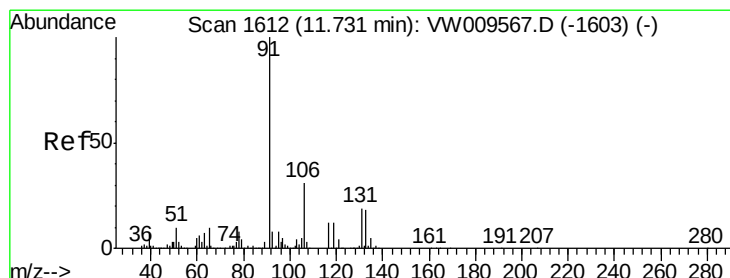
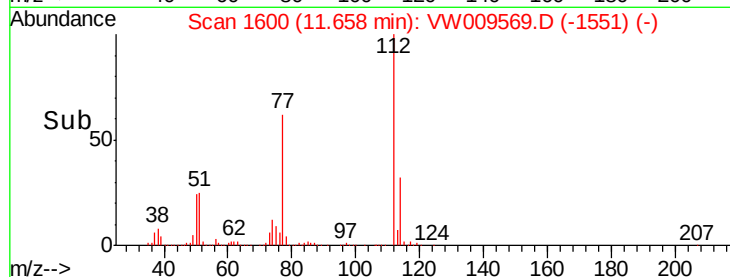
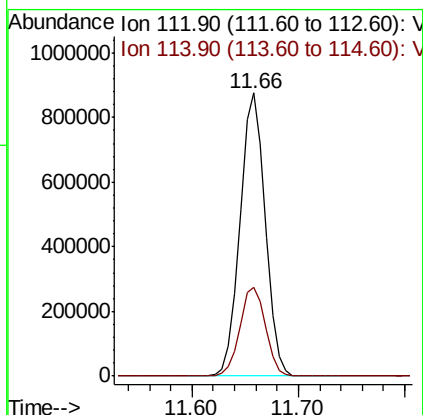
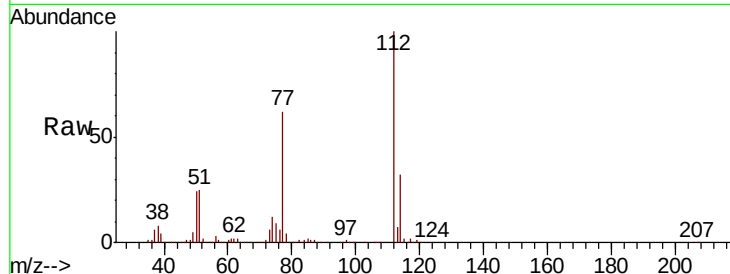




#65
Chlorobenzene
Concen: 145.245 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

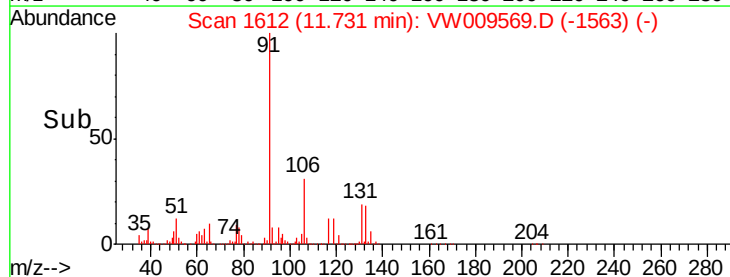
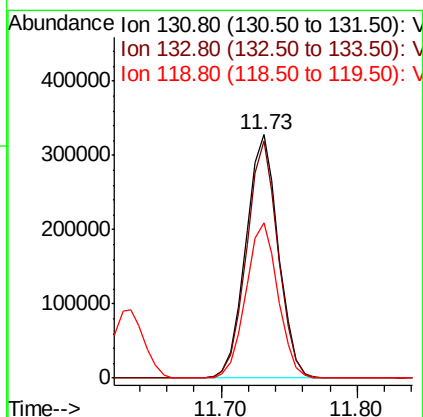
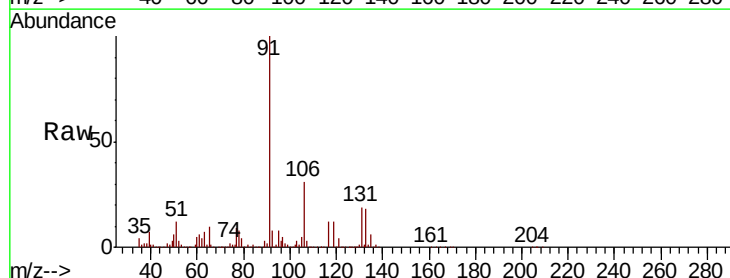
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

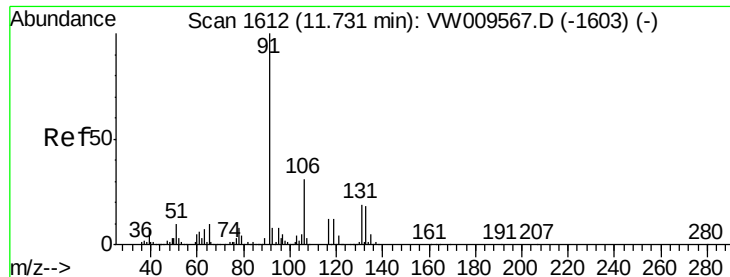
Tgt Ion:112 Resp: 1457203
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 148.100 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion:131 Resp: 545902
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.8
119 63.4 31.6 95.0





#67

Ethyl Benzene

Concen: 147.531 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

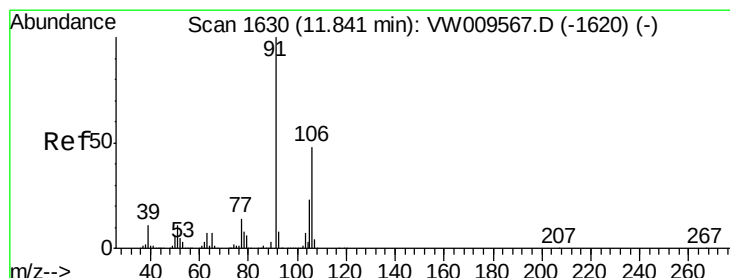
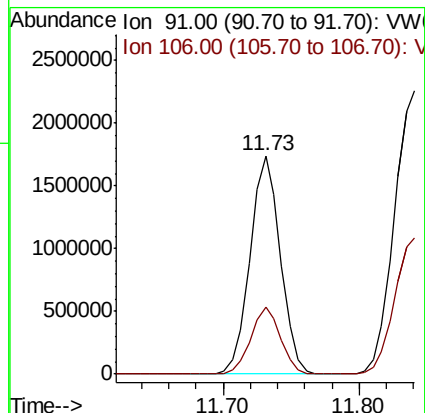
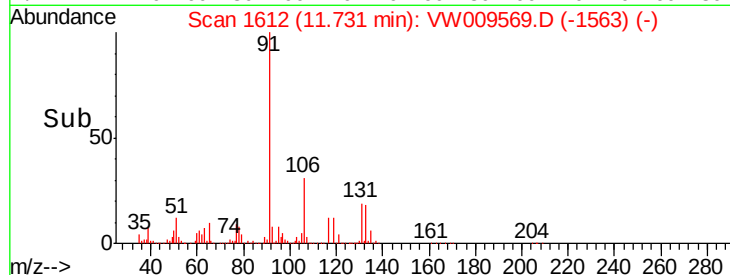
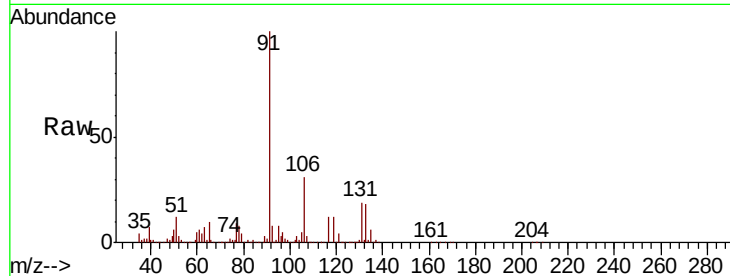
VSTDIC150

Tgt Ion: 91 Resp: 2711422

Ion Ratio Lower Upper

91 100

106 30.7 24.6 36.8



#68

m/p-Xylenes

Concen: 291.240 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009569.D

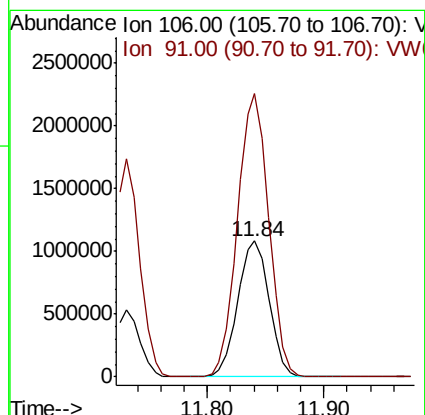
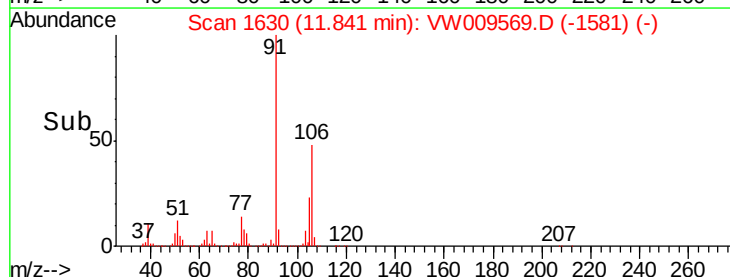
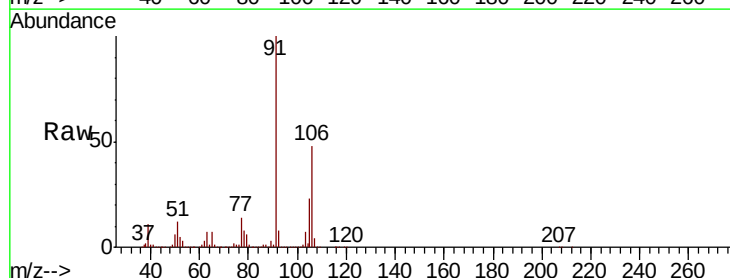
Acq: 29 Mar 2019 12:10

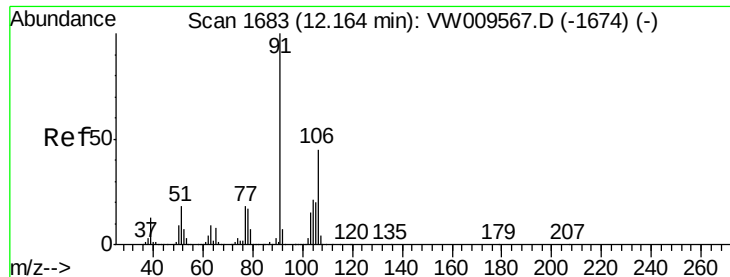
Tgt Ion: 106 Resp: 2033974

Ion Ratio Lower Upper

106 100

91 206.7 163.1 244.7

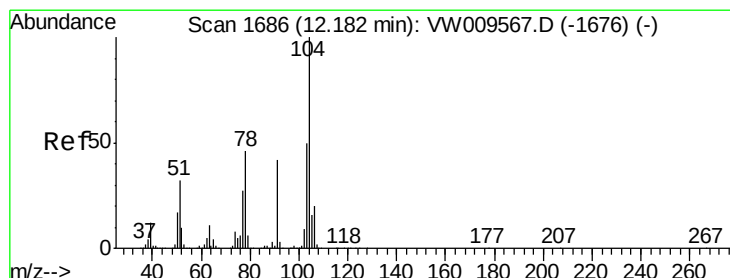
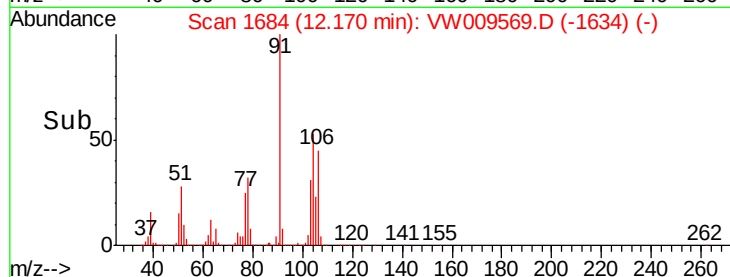
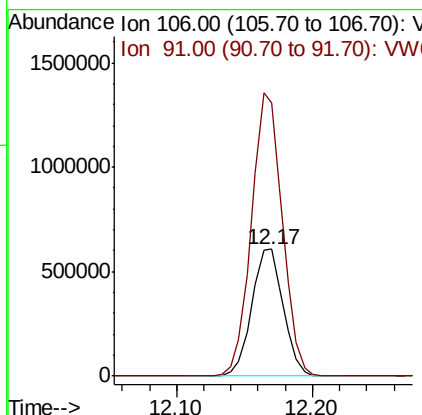
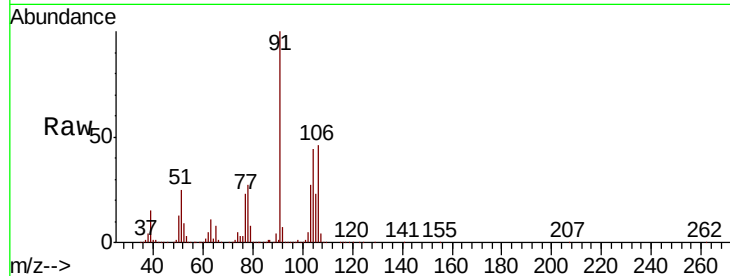




#69
o-Xylene
Concen: 150.882 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

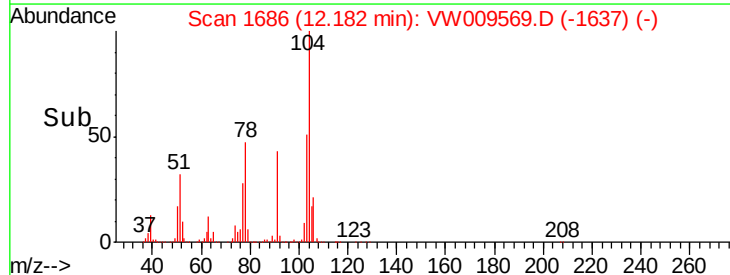
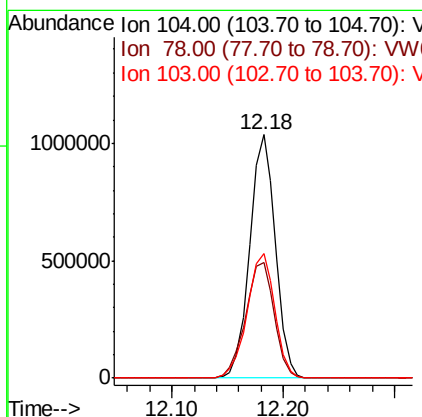
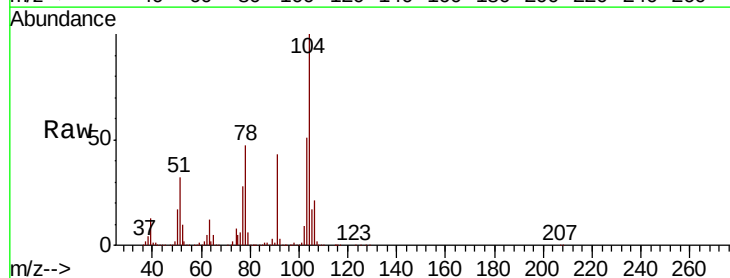
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

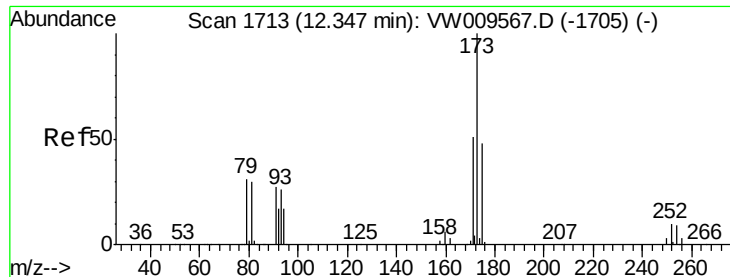
Tgt Ion:106 Resp: 988529
Ion Ratio Lower Upper
106 100
91 218.6 108.6 325.8



#70
Styrene
Concen: 149.907 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion:104 Resp: 1659359
Ion Ratio Lower Upper
104 100
78 53.4 42.2 63.4
103 55.3 44.6 66.8





#71

Bromoform

Concen: 158.567 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

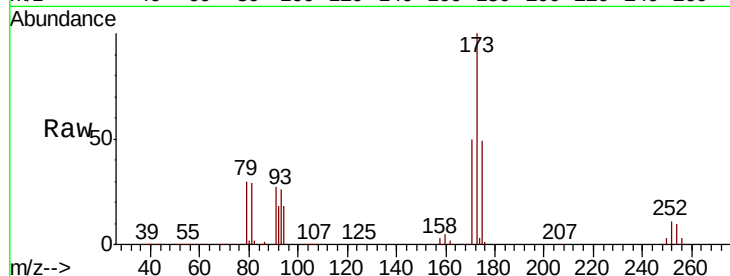
Tgt Ion:173 Resp: 315406

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.4

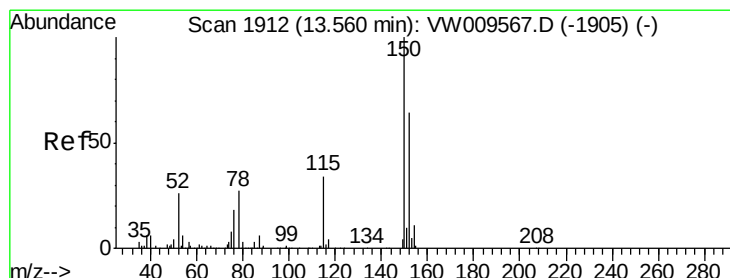
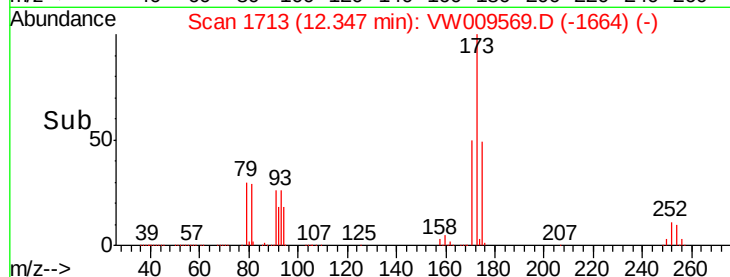
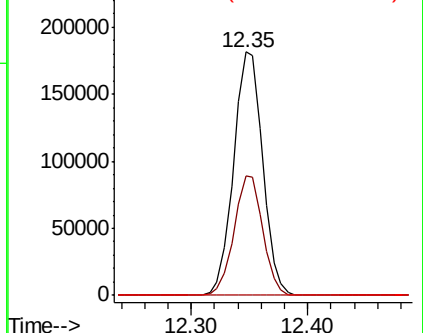
254 0.2 0.2 0.4#



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: VW009569.D

Acq: 29 Mar 2019 12:10

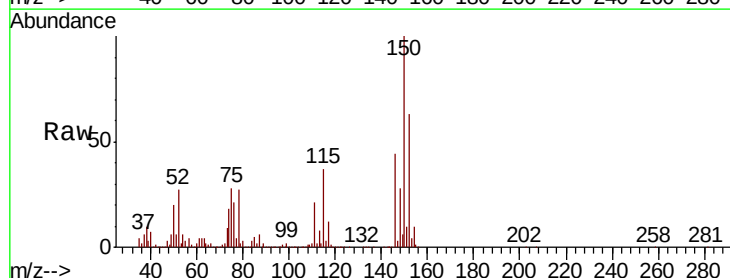
Tgt Ion:152 Resp: 251292

Ion Ratio Lower Upper

152 100

115 59.0 29.6 88.8

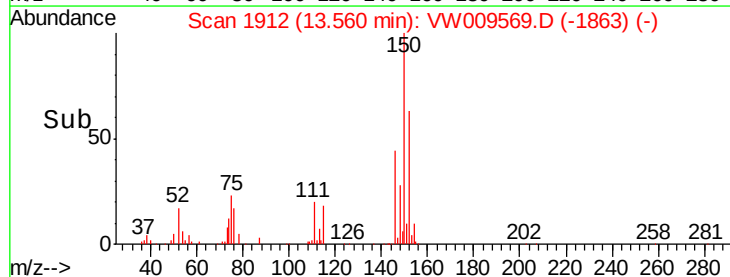
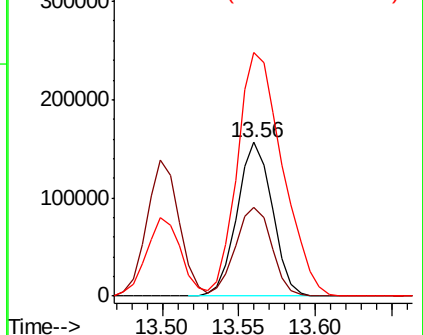
150 202.0 0.0 349.2

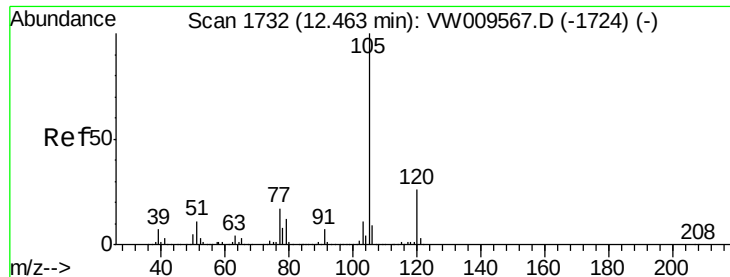


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 150.951 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

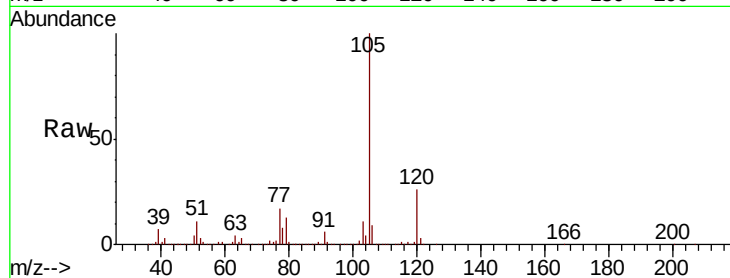
VSTDIC150

Tgt Ion:105 Resp: 2801821

Ion Ratio Lower Upper

105 100

120 26.2 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

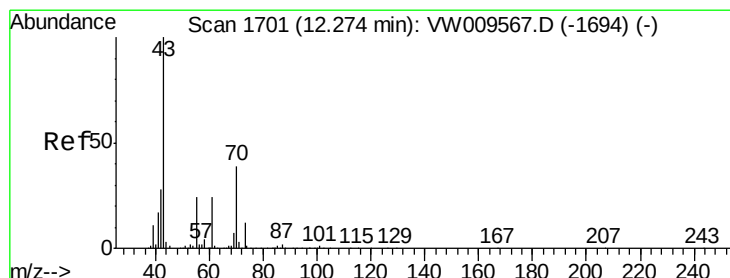
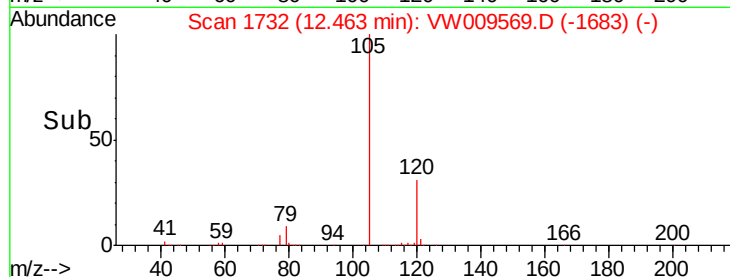
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 175.183 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Tgt Ion: 43 Resp: 819947

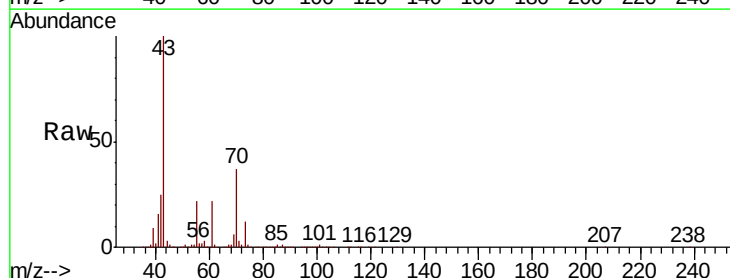
Ion Ratio Lower Upper

43 100

70 37.9 30.6 46.0

55 22.9 19.3 28.9

61 21.8 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.27

800000

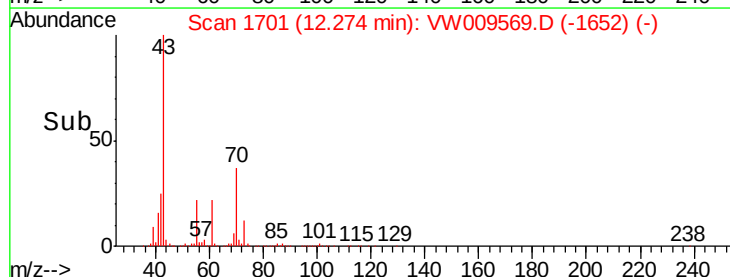
600000

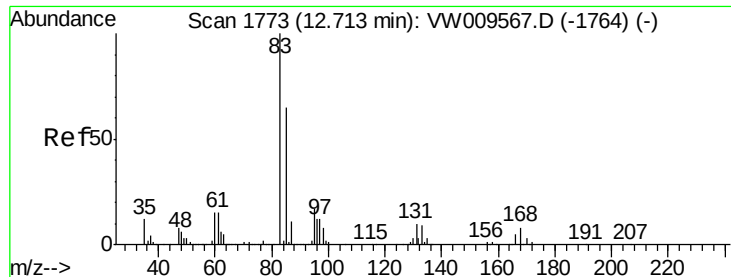
400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 158.078 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

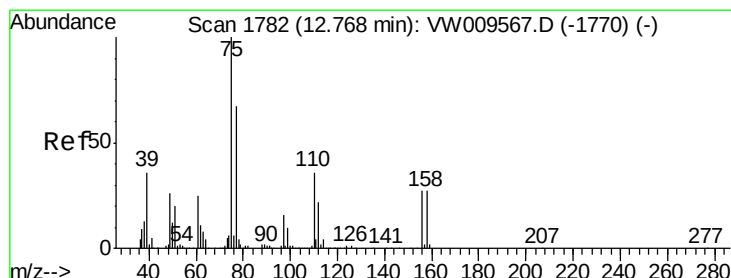
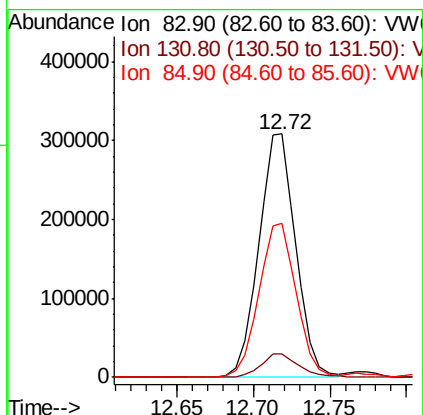
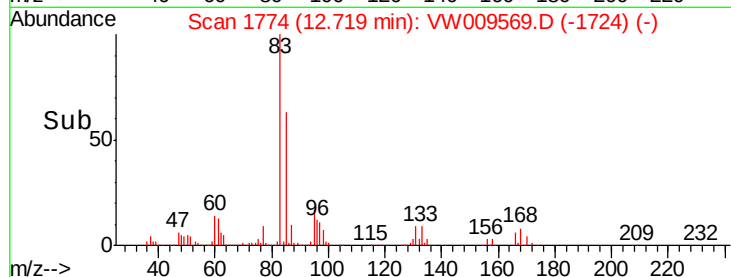
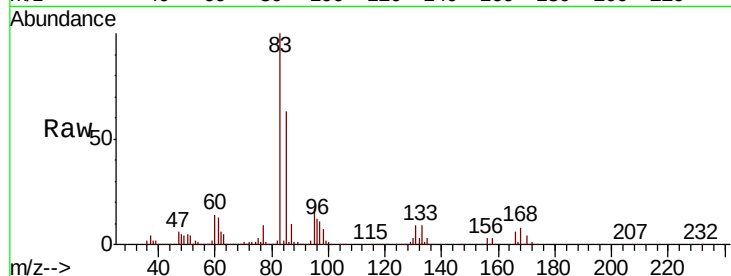
Tgt Ion: 83 Resp: 517464

Ion Ratio Lower Upper

83 100

131 10.1 5.3 16.1

85 63.8 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 302.185 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009569.D

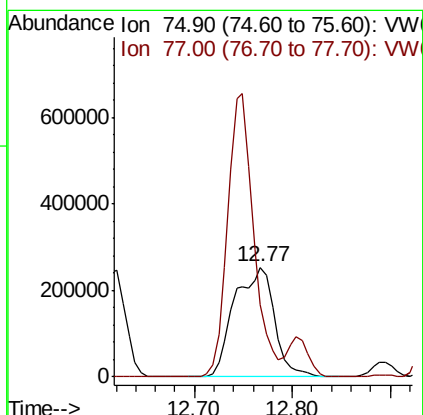
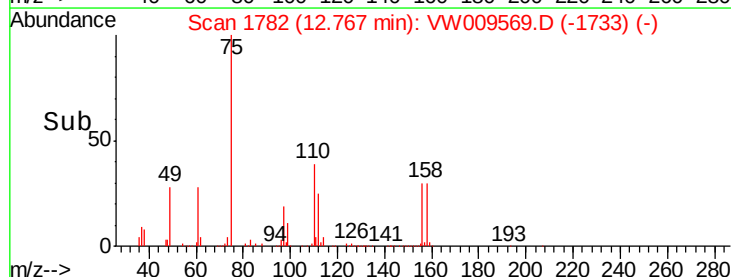
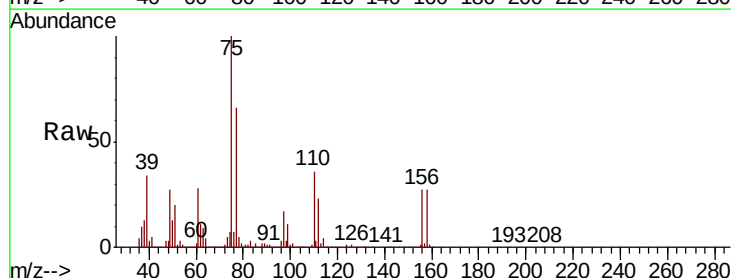
Acq: 29 Mar 2019 12:10

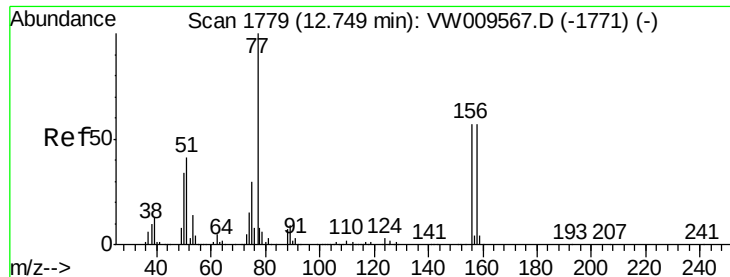
Tgt Ion: 75 Resp: 718196

Ion Ratio Lower Upper

75 100

77 168.5 0.0 0.0#





#77

Bromobenzene

Concen: 145.676 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

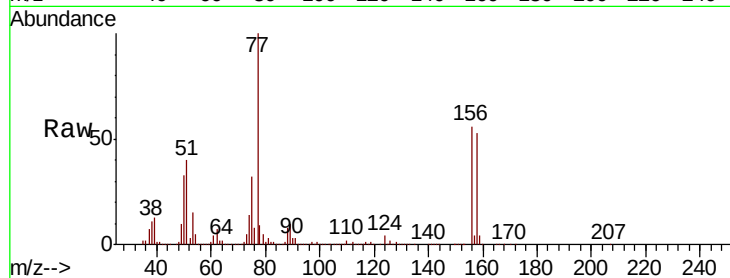
Tgt Ion:156 Resp: 602654

Ion Ratio Lower Upper

156 100

77 200.8 96.0 288.0

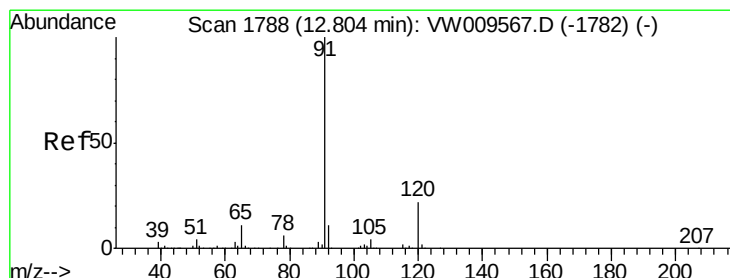
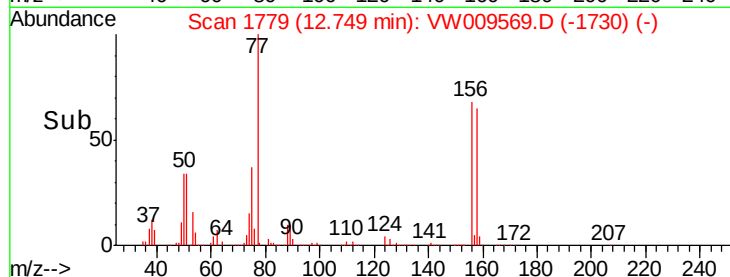
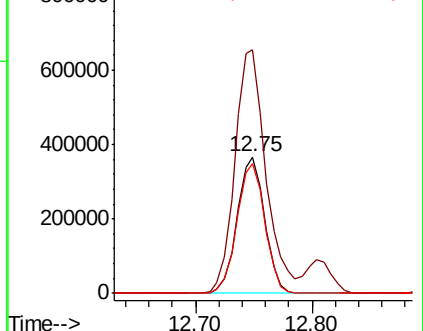
158 96.6 49.1 147.3



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: 145.952 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009569.D

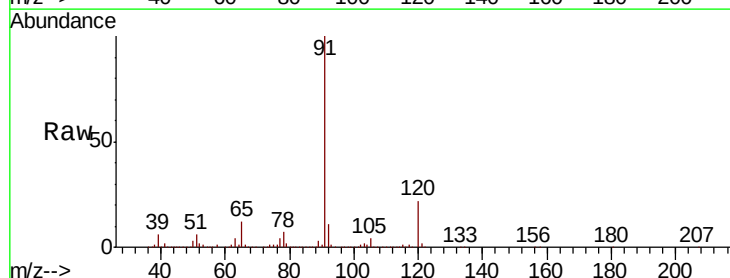
Acq: 29 Mar 2019 12:10

Tgt Ion: 91 Resp: 3337201

Ion Ratio Lower Upper

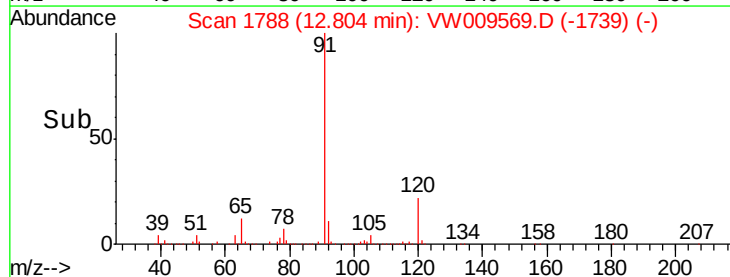
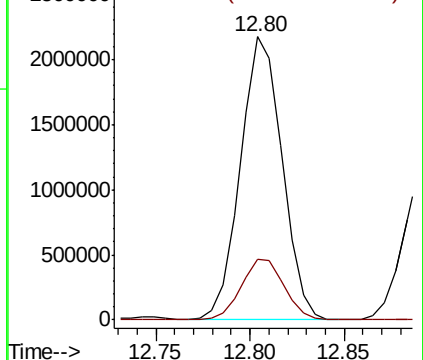
91 100

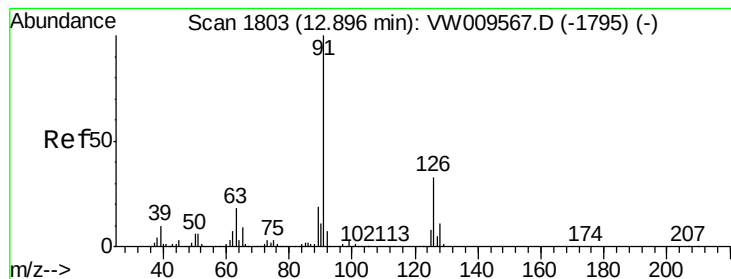
120 22.1 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 146.748 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

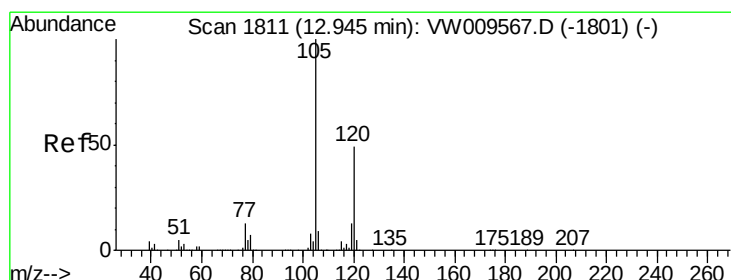
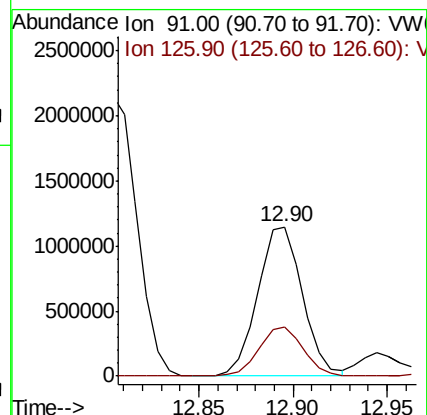
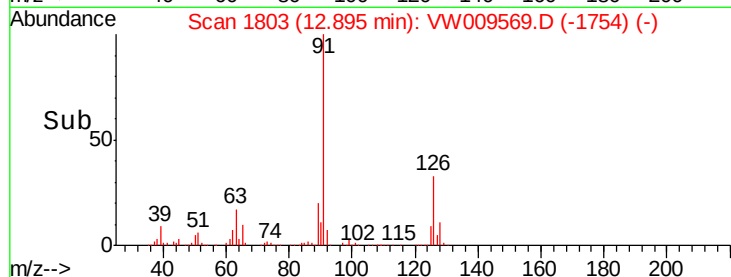
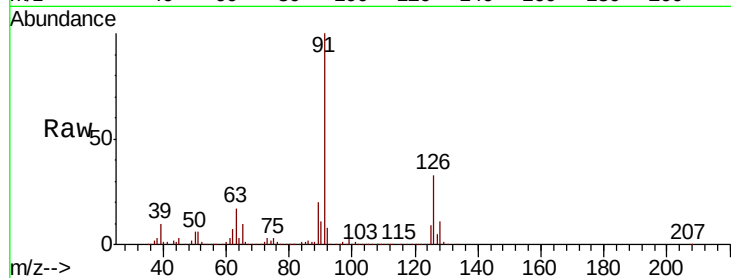
VSTDIC150

Tgt Ion: 91 Resp: 1885388

Ion Ratio Lower Upper

91 100

126 32.7 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 145.755 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009569.D

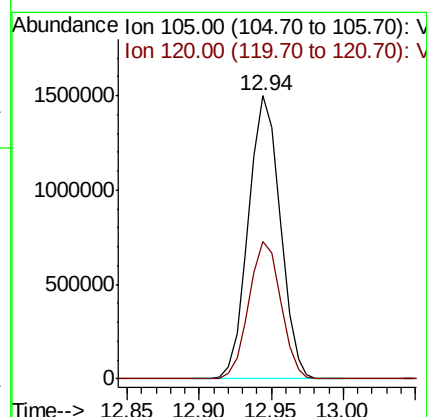
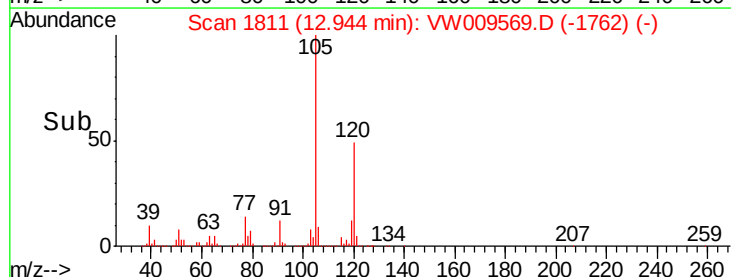
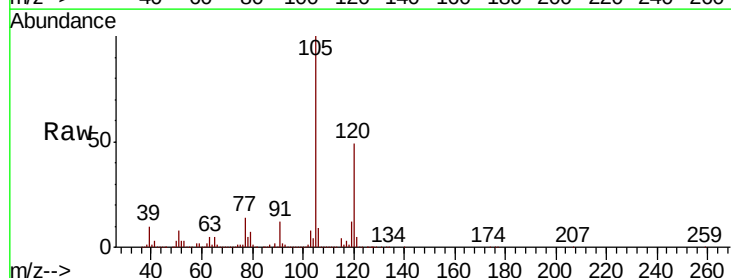
Acq: 29 Mar 2019 12:10

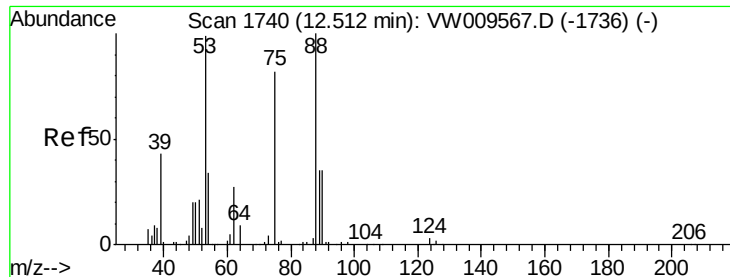
Tgt Ion: 105 Resp: 2289395

Ion Ratio Lower Upper

105 100

120 48.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 171.291 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

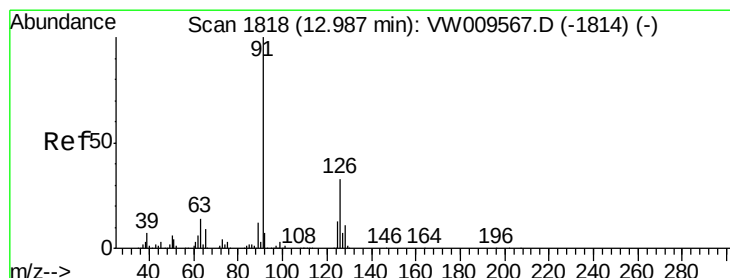
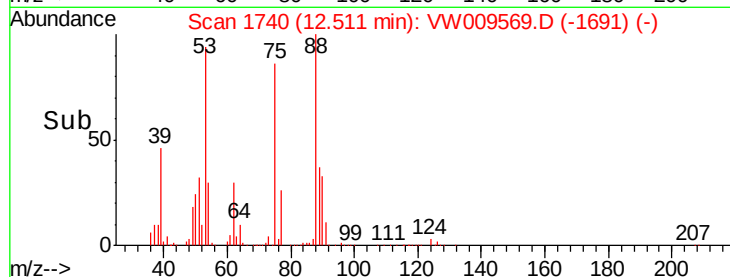
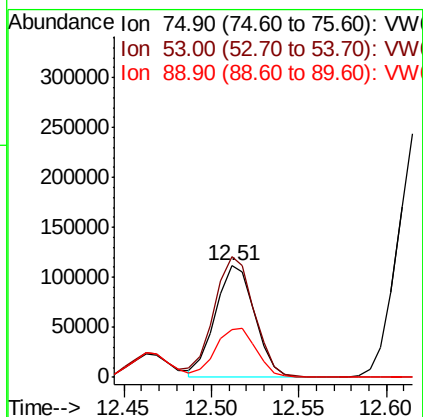
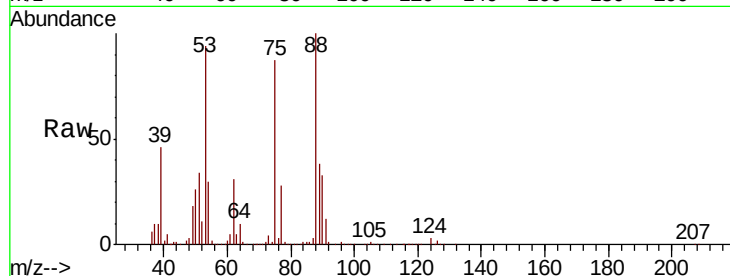
Tgt Ion: 75 Resp: 174376

Ion Ratio Lower Upper

75 100

53 111.8 86.7 130.1

89 46.2 36.4 54.6



#82

4-Chlorotoluene

Concen: 147.155 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW009569.D

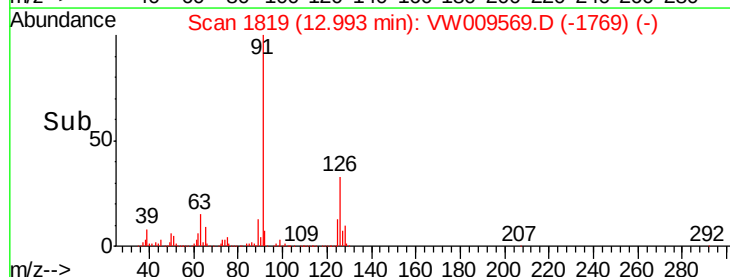
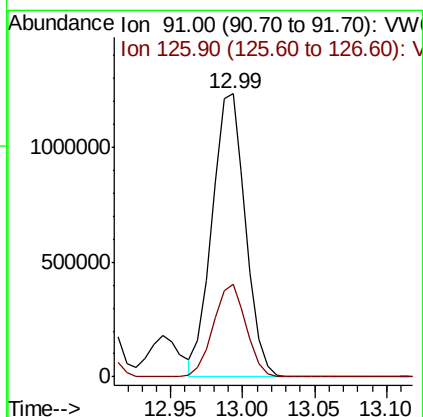
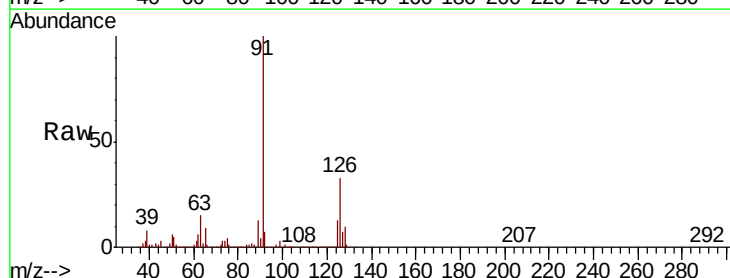
Acq: 29 Mar 2019 12:10

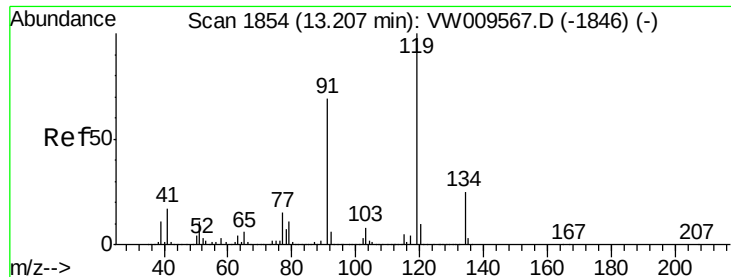
Tgt Ion: 91 Resp: 1991130

Ion Ratio Lower Upper

91 100

126 32.3 16.9 50.6

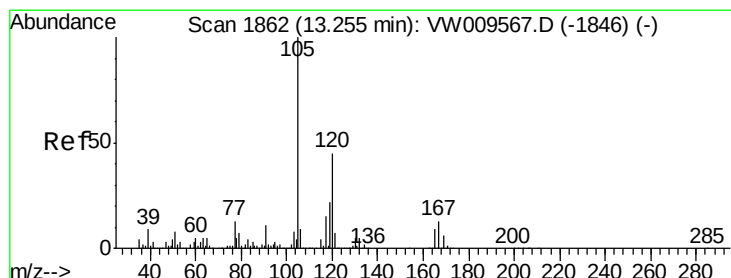
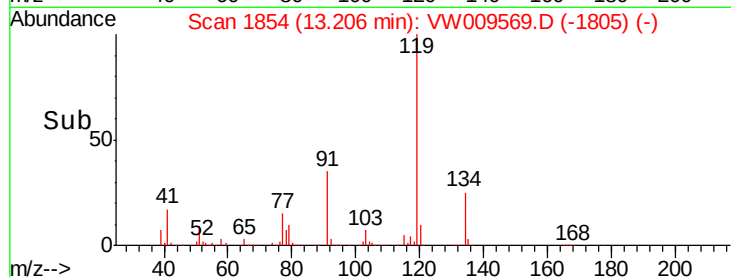
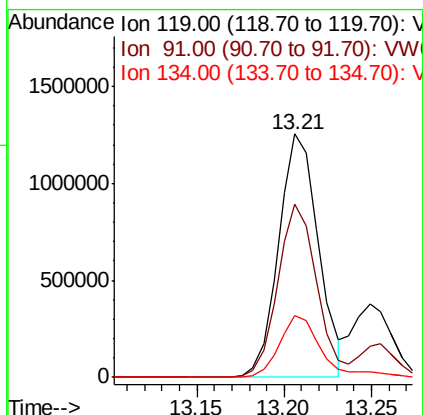
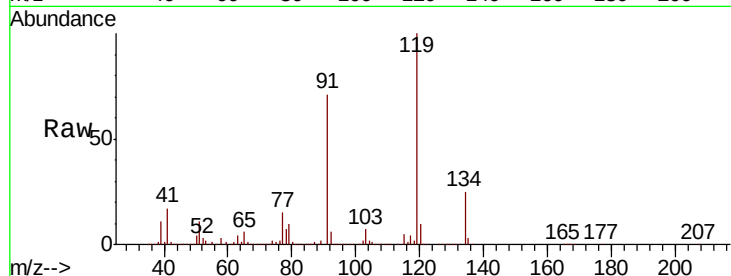




#83
 tert-Butylbenzene
 Concen: 148.734 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

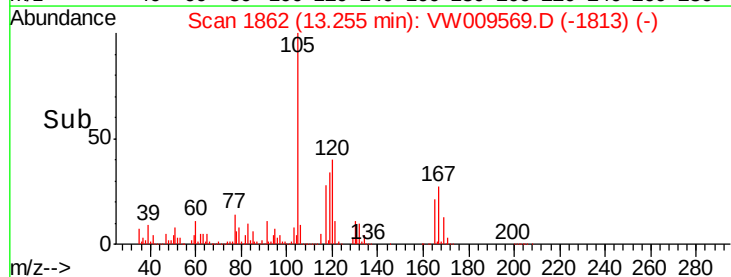
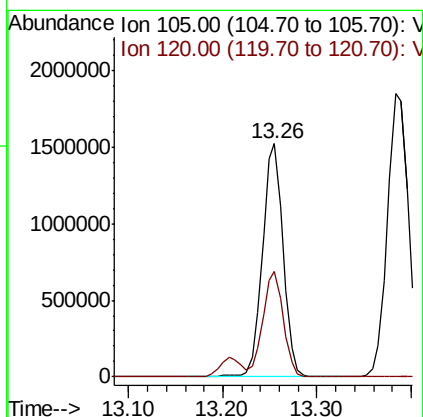
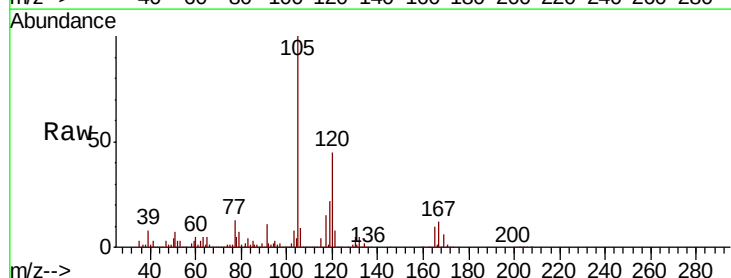
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

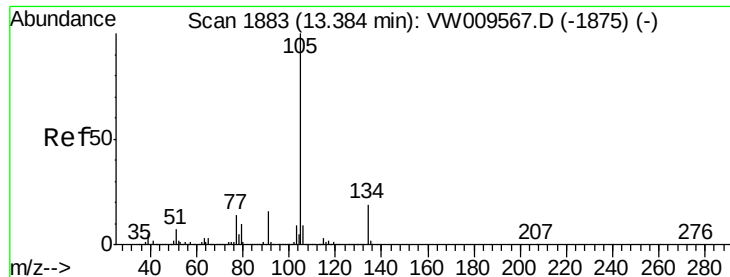
Tgt Ion:119 Resp: 1987736
 Ion Ratio Lower Upper
 119 100
 91 70.0 34.4 103.2
 134 27.0 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 144.892 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion:105 Resp: 2349985
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.8 68.3





#85

sec-Butylbenzene

Concen: 142.374 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

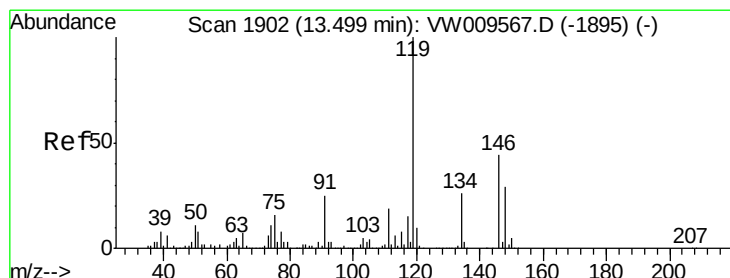
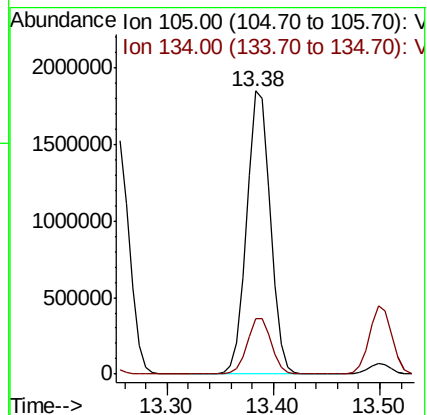
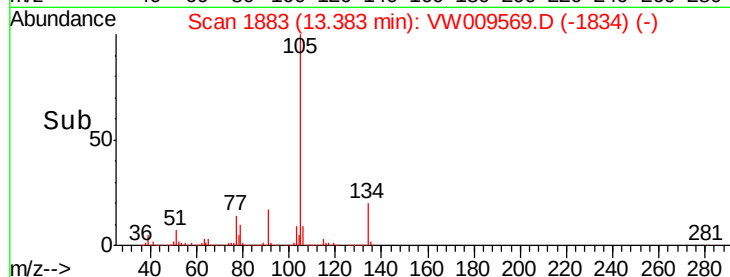
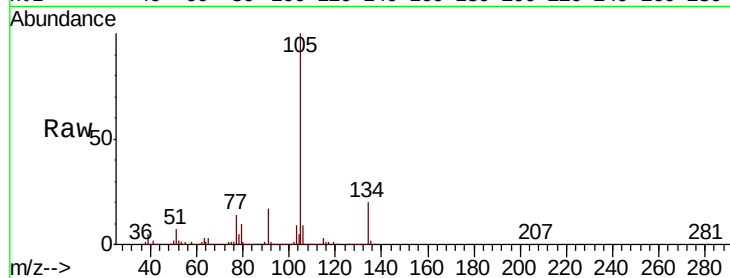
VSTDIC150

Tgt Ion:105 Resp: 2889722

Ion Ratio Lower Upper

105 100

134 20.0 10.2 30.6



#86

p-Isopropyltoluene

Concen: 145.169 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

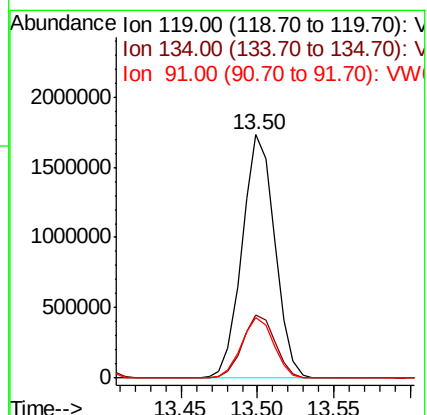
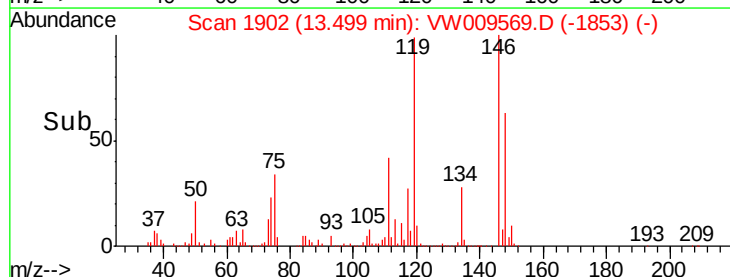
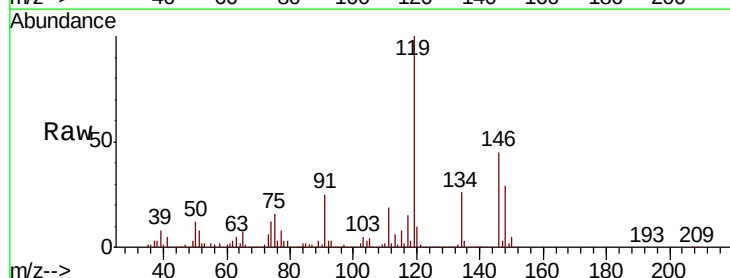
Tgt Ion:119 Resp: 2560962

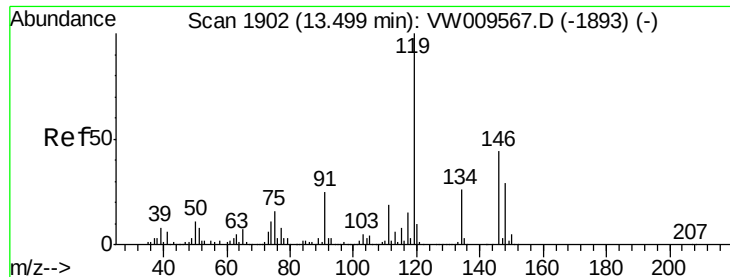
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.7 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 143.318 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

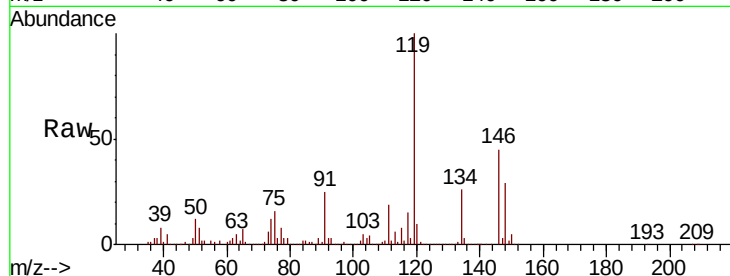
Tgt Ion:146 Resp: 1220455

Ion Ratio Lower Upper

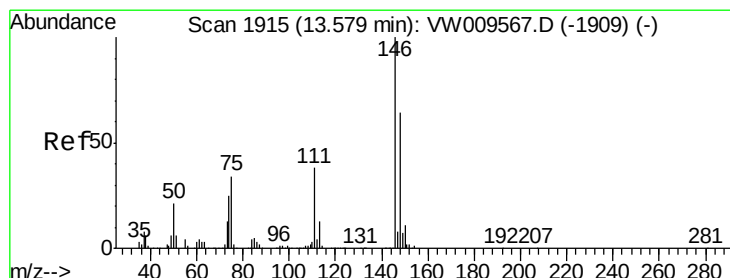
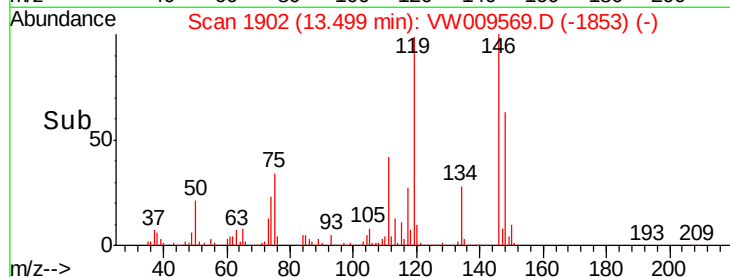
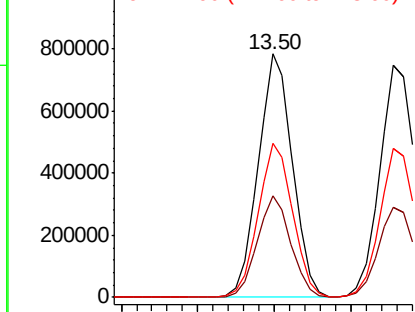
146 100

111 40.8 20.1 60.2

148 63.4 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 140.346 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

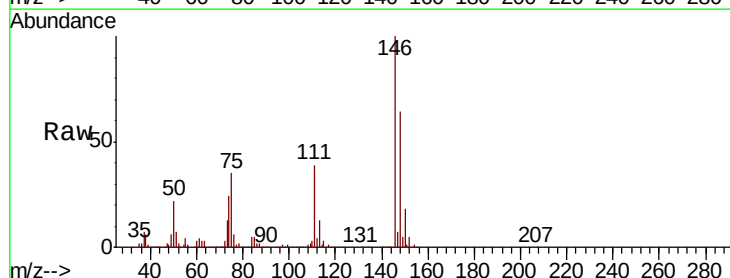
Tgt Ion:146 Resp: 1188284

Ion Ratio Lower Upper

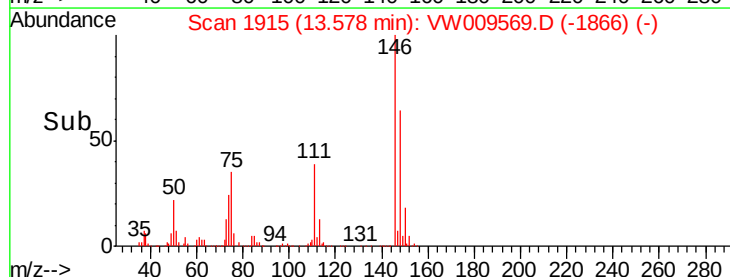
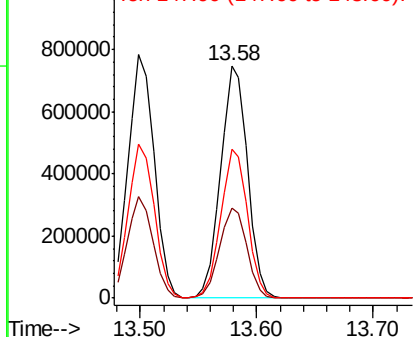
146 100

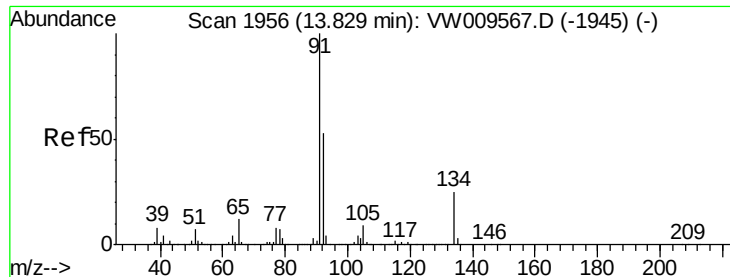
111 39.4 19.9 59.6

148 63.9 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 143.397 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

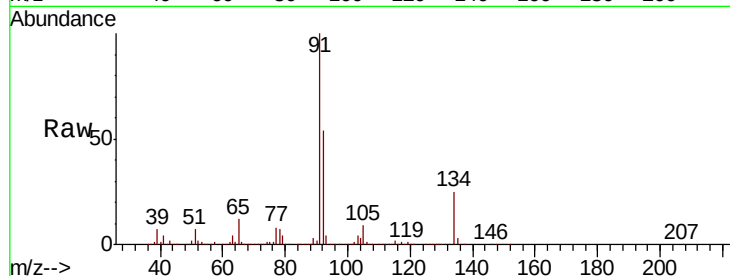
Tgt Ion: 91 Resp: 2491211

Ion Ratio Lower Upper

91 100

92 53.8 26.4 79.0

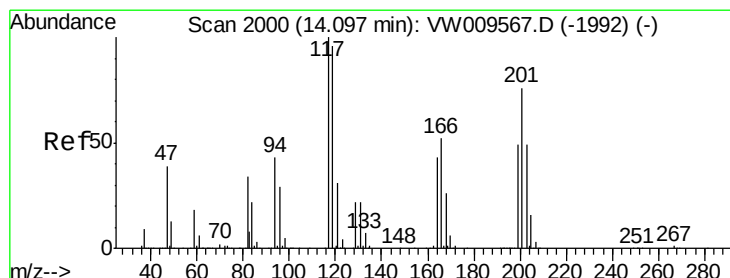
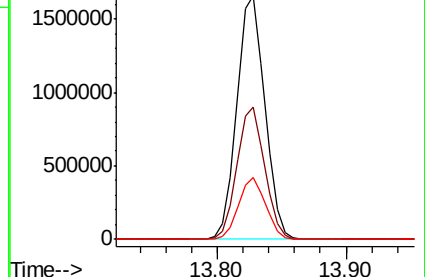
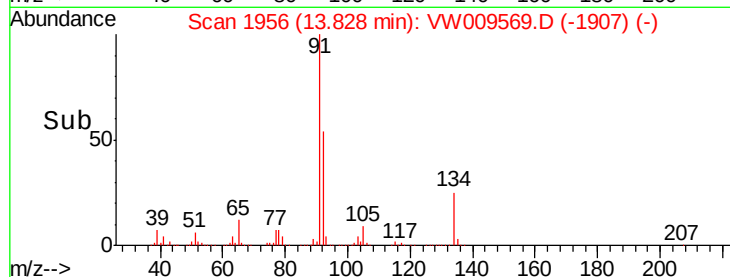
134 24.8 12.9 38.6



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: 145.606 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009569.D

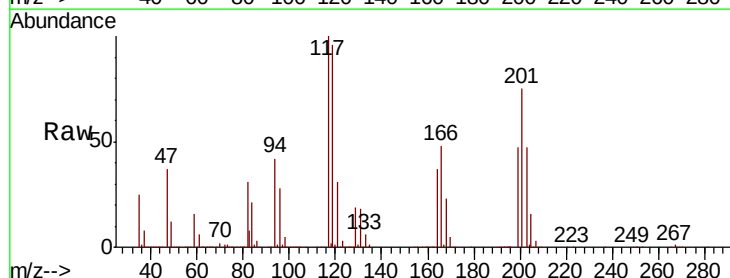
Acq: 29 Mar 2019 12:10

Tgt Ion: 117 Resp: 475834

Ion Ratio Lower Upper

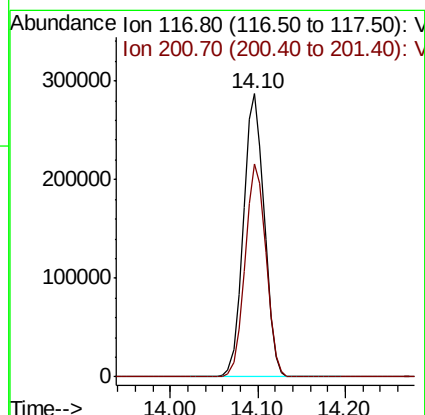
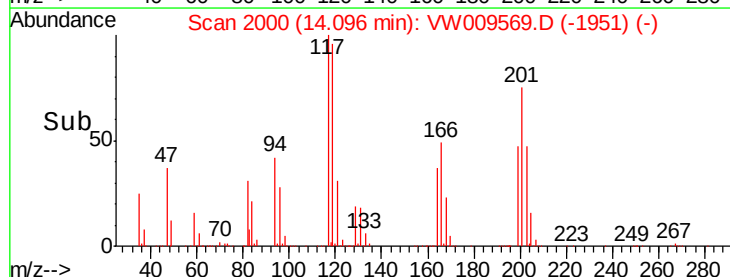
117 100

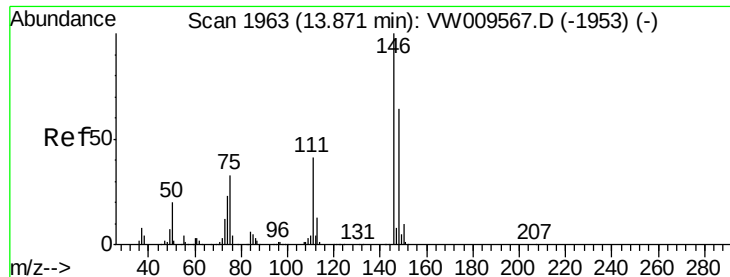
201 75.1 38.2 114.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

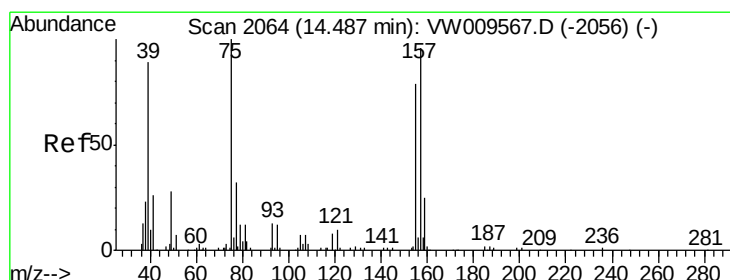
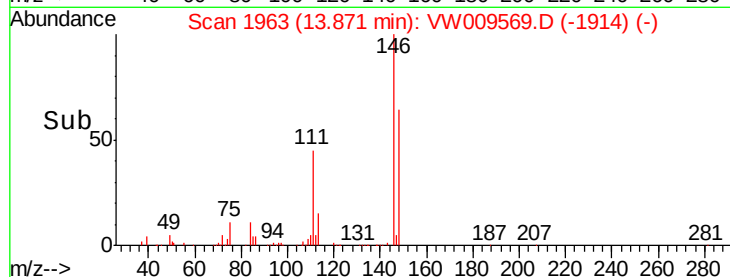
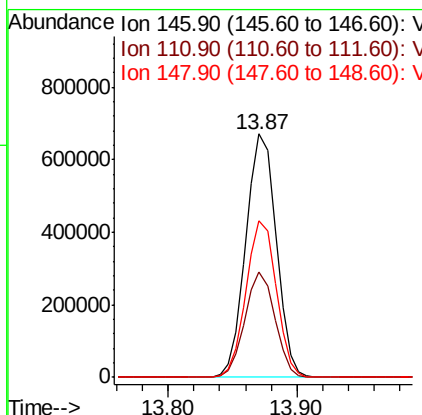
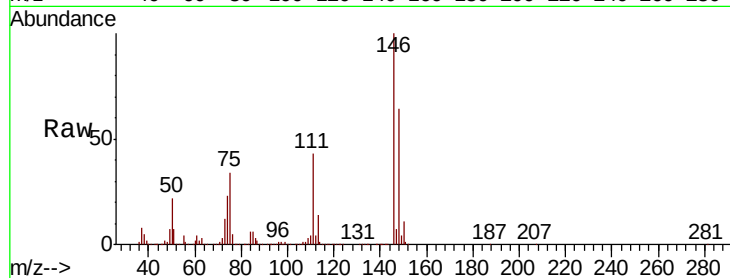




#91
 1,2-Dichlorobenzene
 Concen: 142.664 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

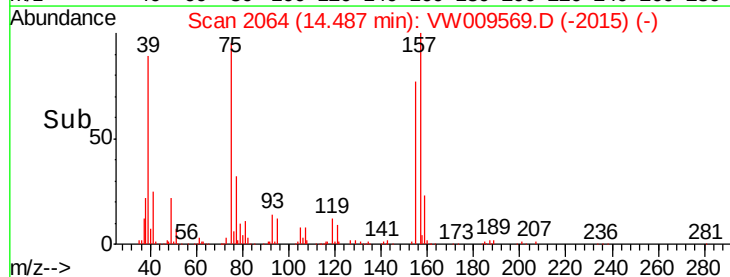
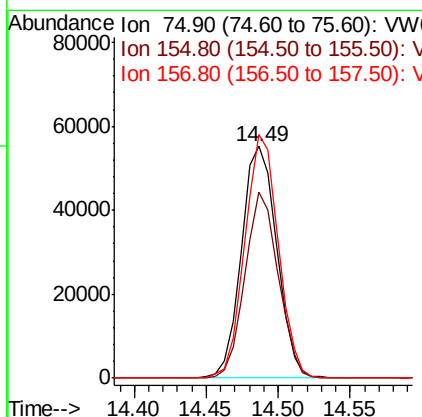
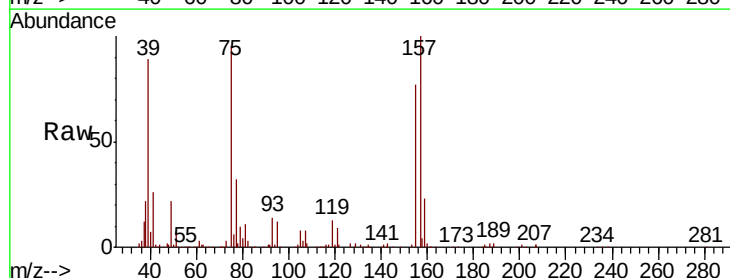
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

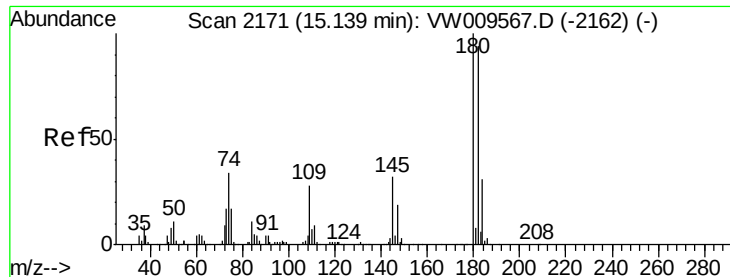
Tgt Ion:146 Resp: 1093642
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.4 61.2
 148 63.9 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 155.900 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion: 75 Resp: 93963
 Ion Ratio Lower Upper
 75 100
 155 75.5 39.3 117.8
 157 99.2 49.5 148.5

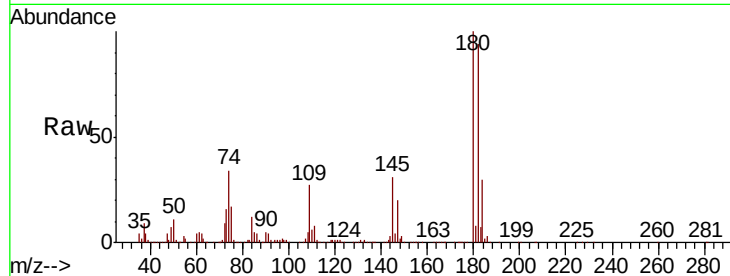




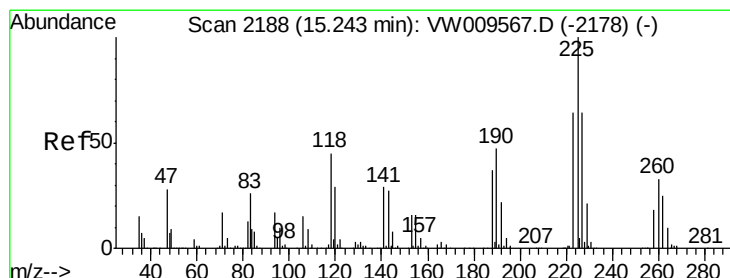
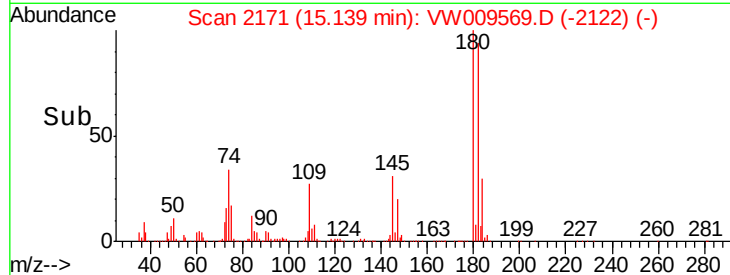
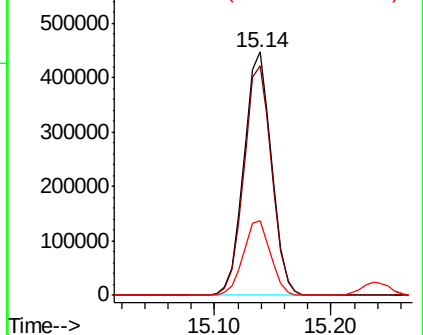
#93
 1,2,4-Trichlorobenzene
 Concen: 145.683 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 739767
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.9 143.7
 145 30.6 15.0 45.0

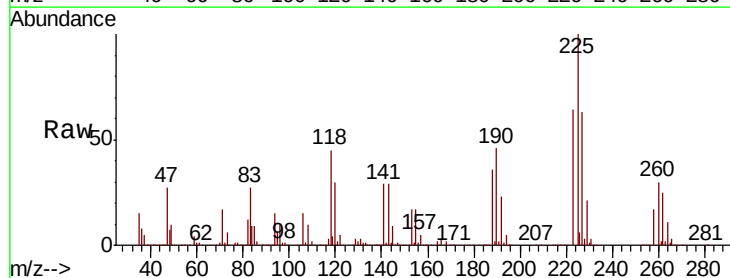


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

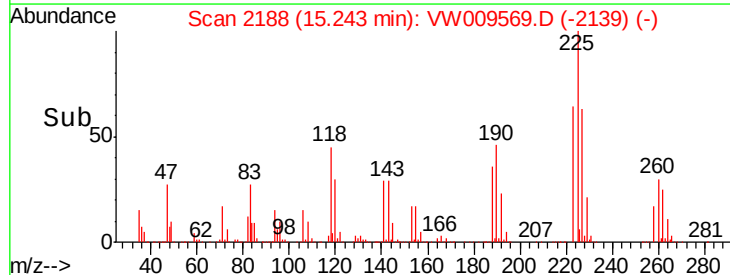
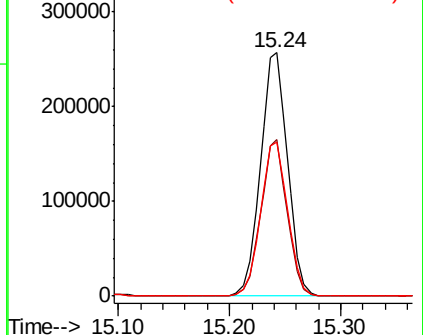


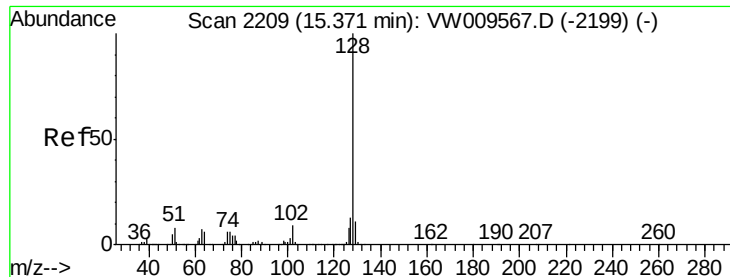
#94
 Hexachlorobutadiene
 Concen: 137.894 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion:225 Resp: 435267
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.4 94.3
 227 63.4 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

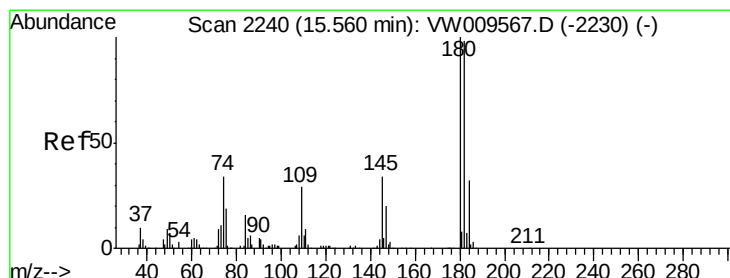
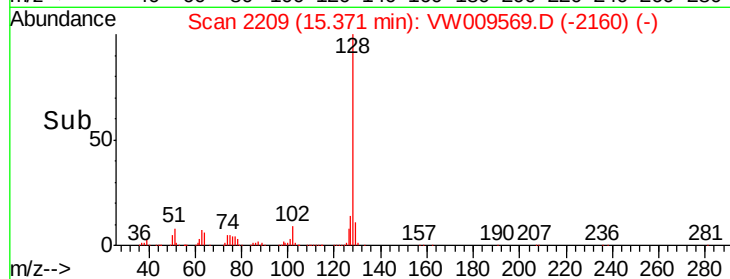
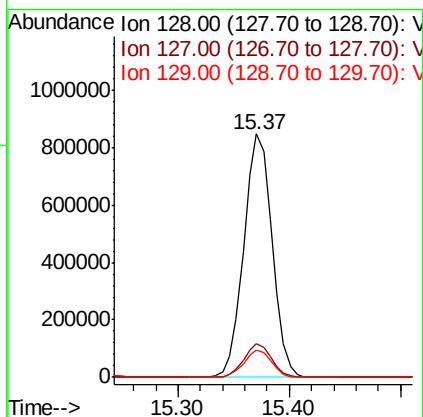
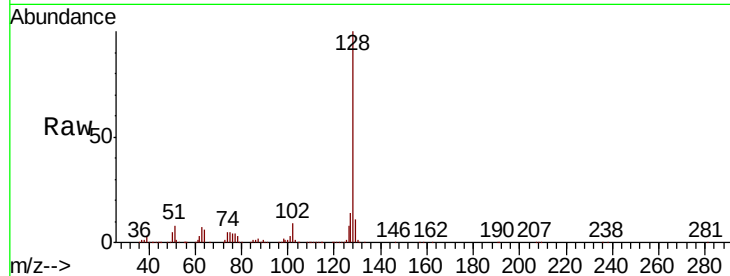




#95
Naphthalene
Concen: 158.737 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1495671
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 146.344 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion:180 Resp: 654745
Ion Ratio Lower Upper
180 100
182 94.1 47.3 141.9
145 32.3 16.0 48.0

