

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
 Data File : VW009570.D
 Acq On : 29 Mar 2019 12:51
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW032919

Quant Time: Mar 29 17:02:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	519724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	473608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	256808	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	186283	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
35) Dibromofluoromethane	7.88	113	158731	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
50) Toluene-d8	10.32	98	606416	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.62	95	229215	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	109221	52.736	ug/l	99
3) Chloromethane	2.21	50	143461	50.523	ug/l	95
4) Vinyl Chloride	2.37	62	187965	49.564	ug/l	97
5) Bromomethane	2.78	94	128971	44.081	ug/l	93
6) Chloroethane	2.92	64	128879	45.889	ug/l	97
7) Trichlorofluoromethane	3.25	101	124232	47.945	ug/l	100
8) Diethyl Ether	3.67	74	85758	49.290	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	168157	48.369	ug/l	98
10) Methyl Iodide	4.27	142	226666	47.783	ug/l	96
11) Tert butyl alcohol	5.18	59	55351	247.673	ug/l	100
12) 1,1-Dichloroethene	4.03	96	154753	47.566	ug/l	92
13) Acrolein	3.88	56	41415	252.660	ug/l	94
14) Allyl chloride	4.66	41	275032	52.853	ug/l	98
15) Acrylonitrile	5.36	53	196340	246.881	ug/l	99
16) Acetone	4.12	43	255108	294.371	ug/l	94
17) Carbon Disulfide	4.37	76	439376	47.463	ug/l #	95
18) Methyl Acetate	4.67	43	105258	50.246	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	232592	51.403	ug/l	99
20) Methylene Chloride	4.92	84	180039	53.203	ug/l	90
21) trans-1,2-Dichloroethene	5.41	96	169534	49.080	ug/l	90
22) Diisopropyl ether	6.31	45	568705	50.605	ug/l	96
23) Vinyl Acetate	6.25	43	1804003	257.320	ug/l	99
24) 1,1-Dichloroethane	6.21	63	328448	48.558	ug/l	99
25) 2-Butanone	7.17	43	306904	256.272	ug/l	99
26) 2,2-Dichloropropane	7.16	77	195881	50.652	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	187418	49.681	ug/l	96
28) Bromochloromethane	7.51	49	142813	48.725	ug/l	95
29) Tetrahydrofuran	7.52	42	187685	252.395	ug/l	97
30) Chloroform	7.67	83	337920	48.236	ug/l	100
31) Cyclohexane	7.95	56	299369	47.209	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	278541	49.113	ug/l	96
36) 1,1-Dichloropropene	8.08	75	267015	49.671	ug/l	99
37) Ethyl Acetate	7.25	43	127938	50.094	ug/l	99
38) Carbon Tetrachloride	8.06	117	273409	49.636	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	314554	51.226	ug/l	98
40) Benzene	8.32	78	707739	48.606	ug/l	99
41) Methacrylonitrile	7.48	41	77959	47.118	ug/l	89
42) 1,2-Dichloroethane	8.40	62	236922	47.728	ug/l	98
43) Isopropyl Acetate	8.42	43	249825	49.913	ug/l	99
44) Trichloroethene	9.09	130	183683	48.727	ug/l	97
45) 1,2-Dichloropropane	9.37	63	178676	47.941	ug/l	98
46) Dibromomethane	9.46	93	94917	47.012	ug/l	98
47) Bromodichloromethane	9.64	83	249394	48.425	ug/l	98
48) Methyl methacrylate	9.43	41	122754	52.320	ug/l	93
49) 1,4-Dioxane	9.45	88	28628	952.146	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	667468	249.245	ug/l	100
52) Toluene	10.38	92	455691	49.974	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	255658	50.697	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	288223	51.548	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	131834	48.308	ug/l	96
56) Ethyl methacrylate	10.65	69	172803	46.044	ug/l	96
57) 1,3-Dichloropropane	10.93	76	233451	48.259	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	416420	230.100	ug/l	98
59) 2-Hexanone	10.97	43	491311	265.095	ug/l	98
60) Dibromochloromethane	11.13	129	160550	48.721	ug/l	99
61) 1,2-Dibromoethane	11.24	107	128023	48.919	ug/l	98
64) Tetrachloroethene	10.86	164	156434	48.648	ug/l	97
65) Chlorobenzene	11.66	112	490150	49.139	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	181864	50.040	ug/l	100
67) Ethyl Benzene	11.73	91	916007	52.123	ug/l	98
68) m/p-Xylenes	11.84	106	689491	103.327	ug/l	97
69) o-Xylene	12.17	106	320834	51.629	ug/l	97
70) Styrene	12.18	104	536845	51.721	ug/l	100
71) Bromoform	12.35	173	96560	49.370	ug/l #	100
73) Isopropylbenzene	12.46	105	951798	53.257	ug/l	100
74) N-amyl acetate	12.27	43	243415	51.664	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	165528	48.976	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	228160	94.476	ug/l #	100
77) Bromobenzene	12.75	156	203329	49.404	ug/l	96
78) n-propylbenzene	12.80	91	1162420	52.746	ug/l	100
79) 2-Chlorotoluene	12.90	91	642067	51.266	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	793407	52.715	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	52973	51.009	ug/l	95
82) 4-Chlorotoluene	12.99	91	680514	51.630	ug/l	99
83) tert-Butylbenzene	13.21	119	686150	53.554	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	813472	52.575	ug/l	99
85) sec-Butylbenzene	13.39	105	1028878	53.229	ug/l	99
86) p-Isopropyltoluene	13.50	119	897785	53.400	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	424717	49.980	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	419088	49.376	ug/l	99
89) n-Butylbenzene	13.83	91	894710	53.915	ug/l	99
90) Hexachloroethane	14.10	117	163766	50.867	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	374973	49.346	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	29385	47.625	ug/l	100

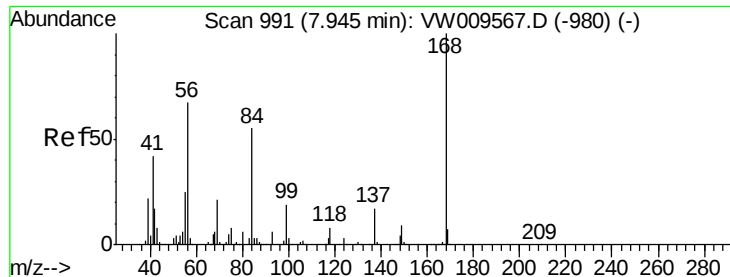
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
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Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:24:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	263291	53.803	ug/l	99
94) Hexachlorobutadiene	15.24	225	158534	50.444	ug/l	98
95) Naphthalene	15.37	128	489855	49.292	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	230730	52.772	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

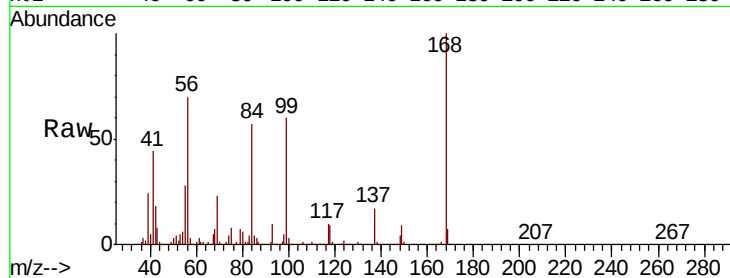
ICVW032919

Tgt Ion:168 Resp: 337067

Ion Ratio Lower Upper

168 100

99 60.1 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

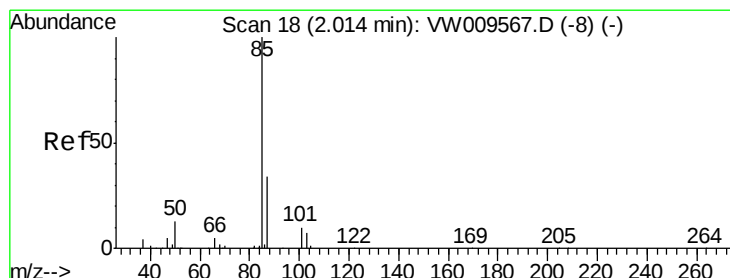
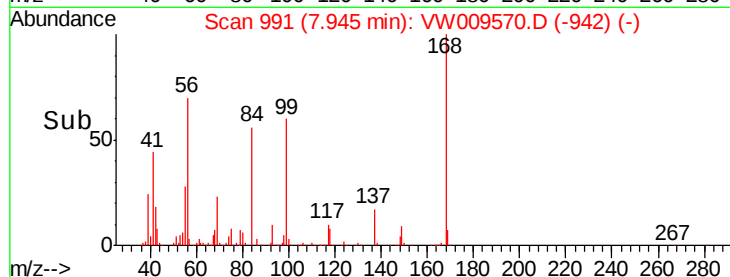
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 52.736 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009570.D

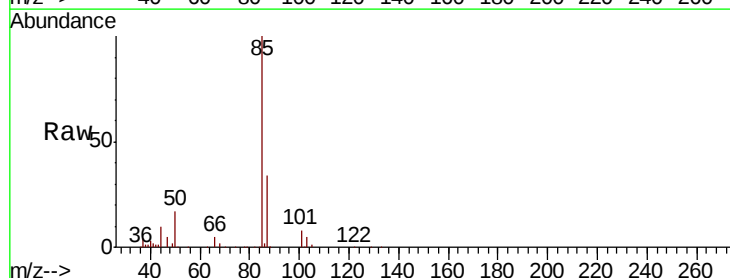
Acq: 29 Mar 2019 12:51

Tgt Ion: 85 Resp: 109221

Ion Ratio Lower Upper

85 100

87 34.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

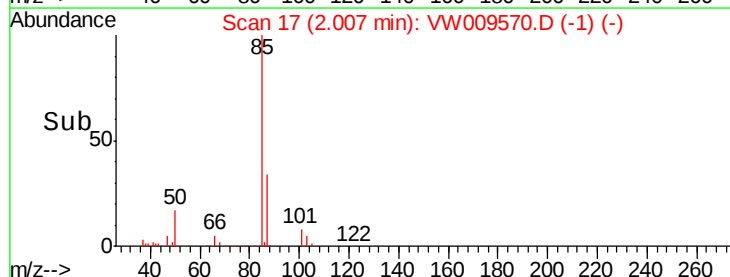
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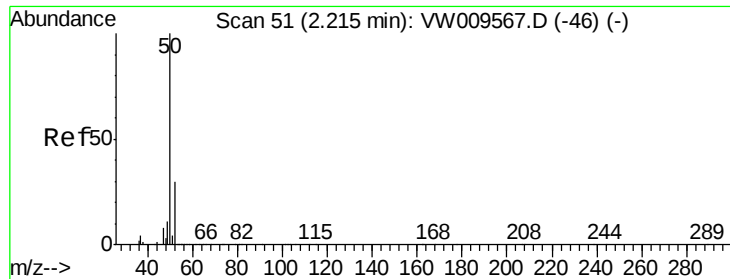
10000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 50.523 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

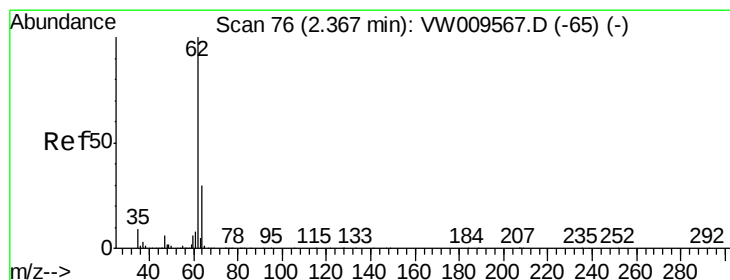
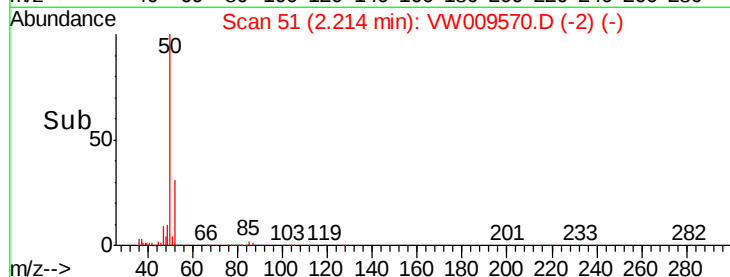
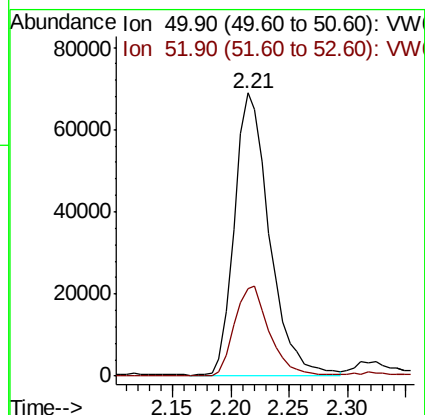
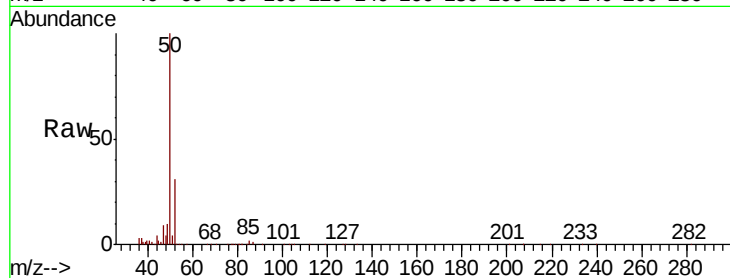
ICVW032919

Tgt Ion: 50 Resp: 143461

Ion Ratio Lower Upper

50 100

52 31.2 27.2 40.8



#4

Vinyl Chloride

Concen: 49.564 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009570.D

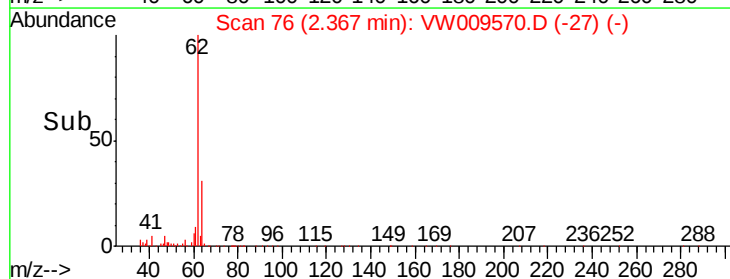
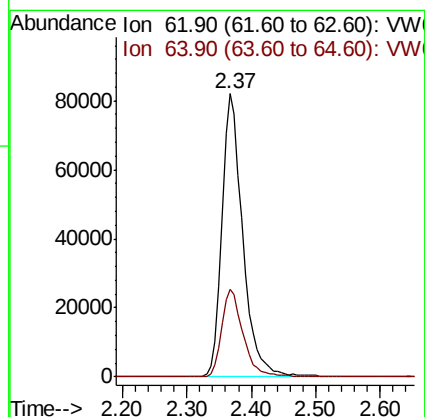
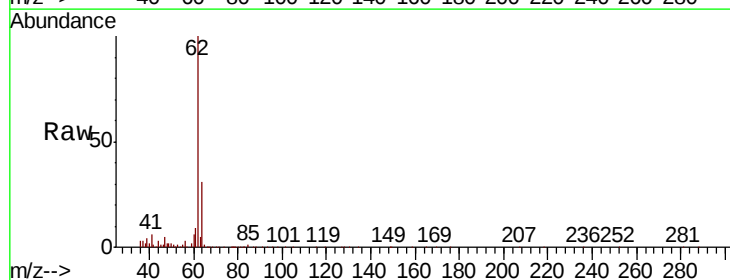
Acq: 29 Mar 2019 12:51

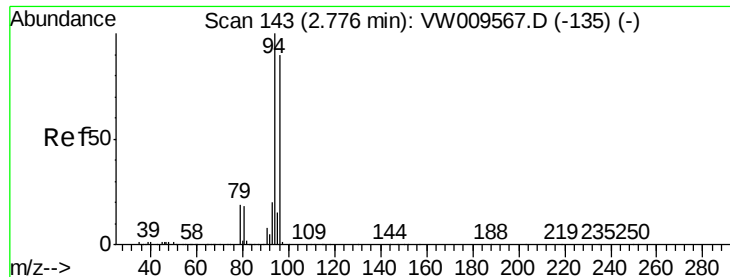
Tgt Ion: 62 Resp: 187965

Ion Ratio Lower Upper

62 100

64 30.7 26.2 39.2





#5

Bromomethane

Concen: 44.081 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

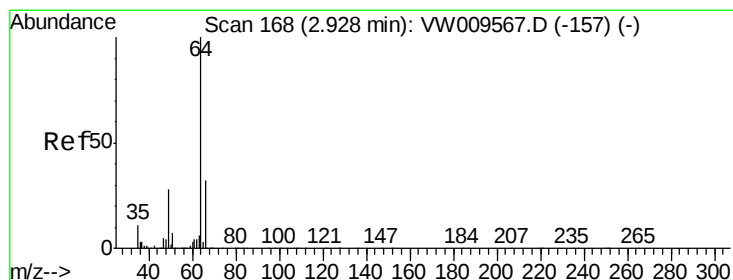
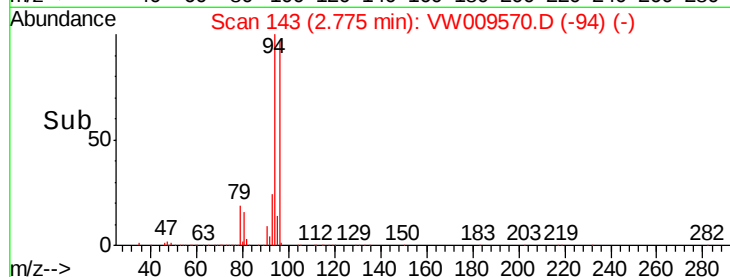
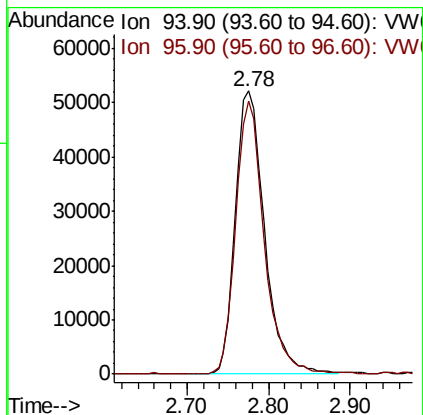
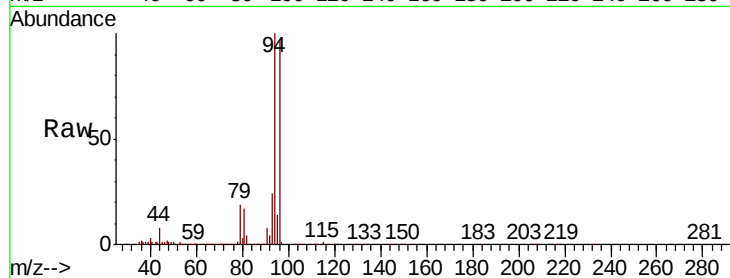
ICVW032919

Tgt Ion: 94 Resp: 128971

Ion Ratio Lower Upper

94 100

96 96.3 71.4 107.2



#6

Chloroethane

Concen: 45.889 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009570.D

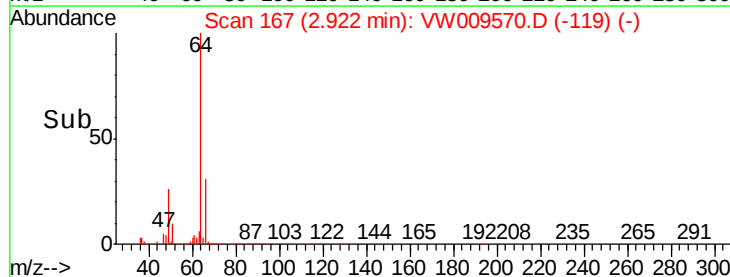
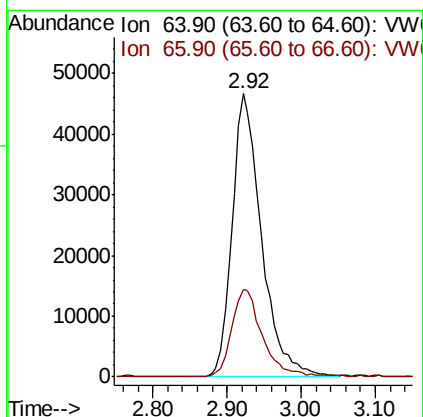
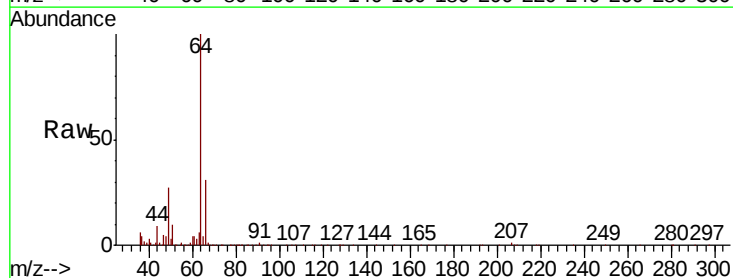
Acq: 29 Mar 2019 12:51

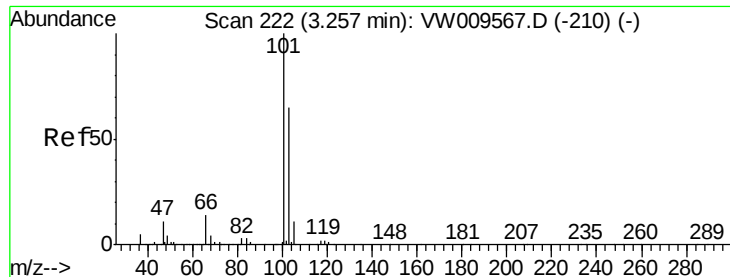
Tgt Ion: 64 Resp: 128879

Ion Ratio Lower Upper

64 100

66 30.8 26.2 39.2



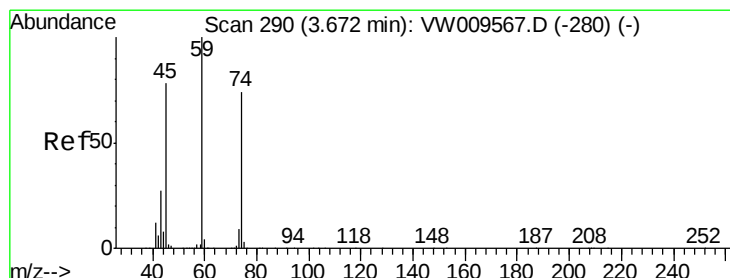
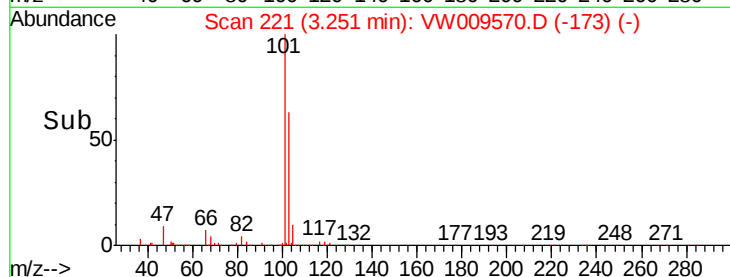
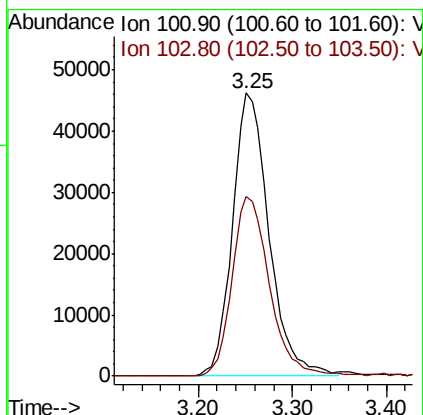
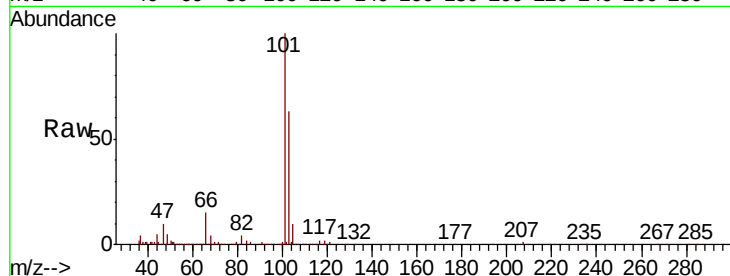


#7

Trichlorofluoromethane
 Concen: 47.945 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Instrument :
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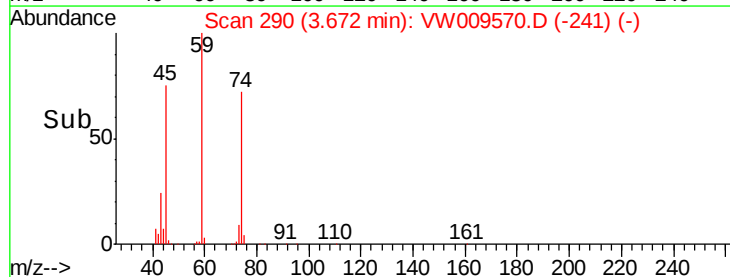
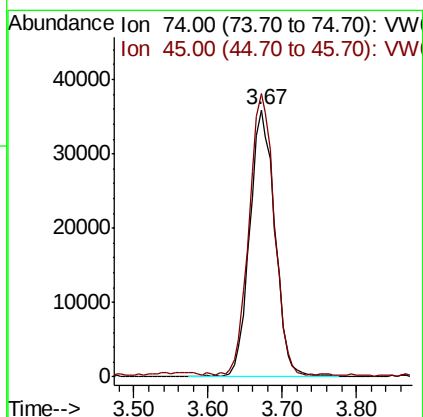
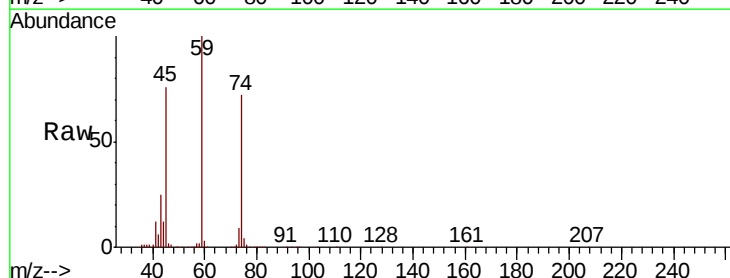
Tgt Ion:101 Resp: 124232
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.5 75.7

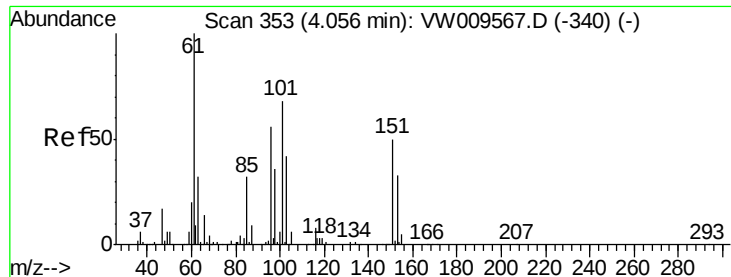


#8

Diethyl Ether
 Concen: 49.290 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Tgt Ion: 74 Resp: 85758
 Ion Ratio Lower Upper
 74 100
 45 104.7 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.369 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW032919

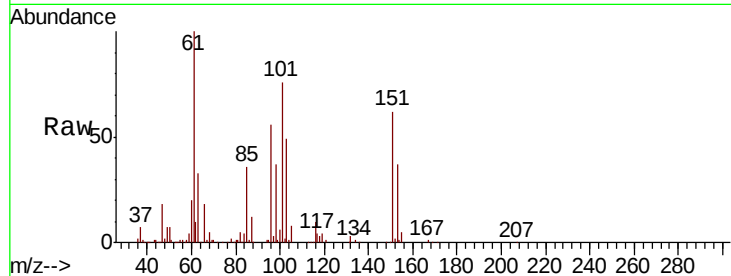
Tgt Ion:101 Resp: 168157

Ion Ratio Lower Upper

101 100

85 45.0 35.1 52.7

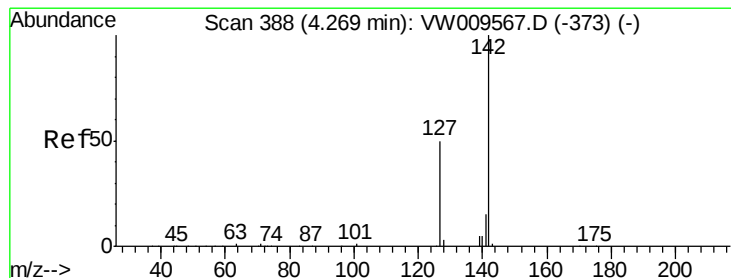
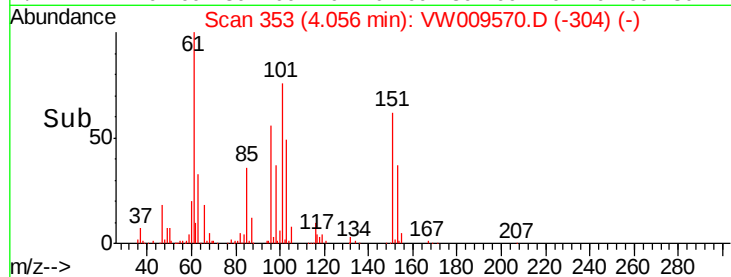
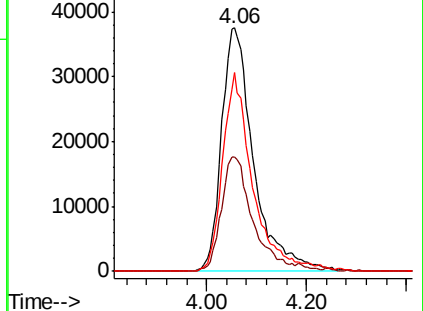
151 76.1 62.9 94.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.783 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

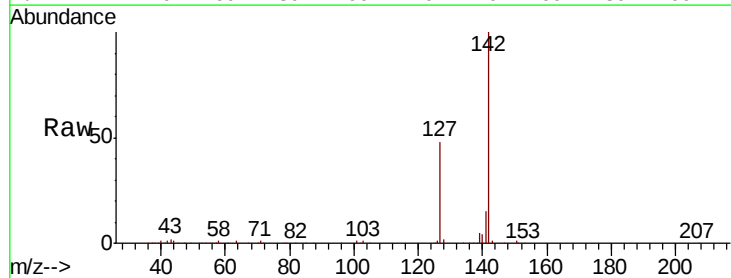
Tgt Ion:142 Resp: 226666

Ion Ratio Lower Upper

142 100

127 47.6 35.9 53.9

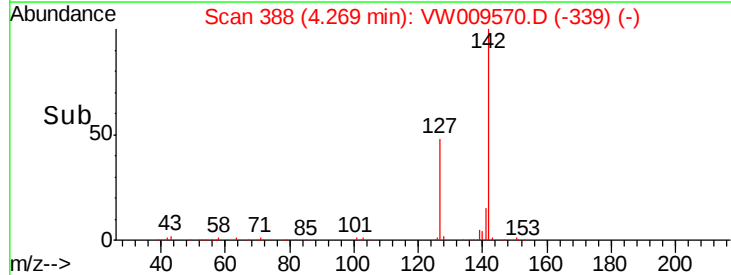
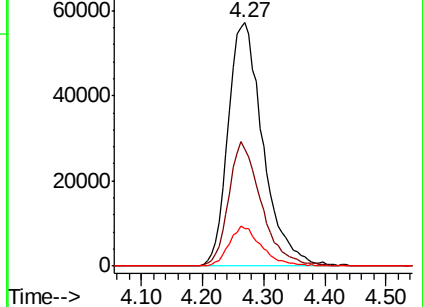
141 15.2 11.4 17.2

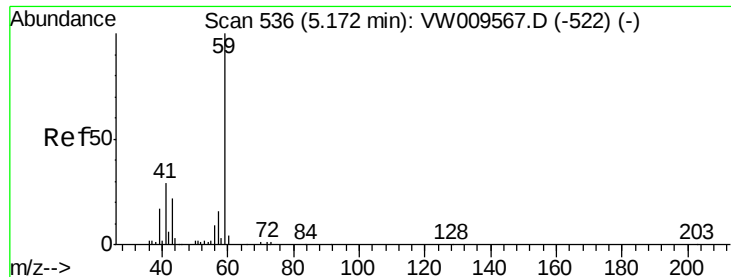


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

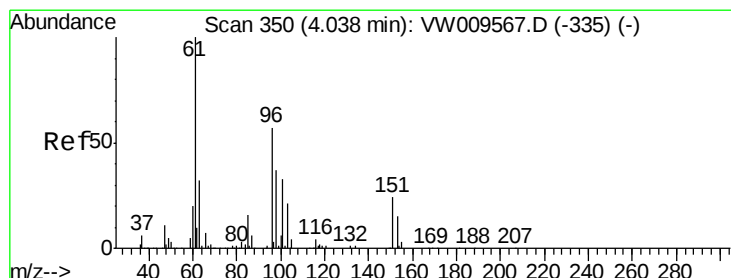
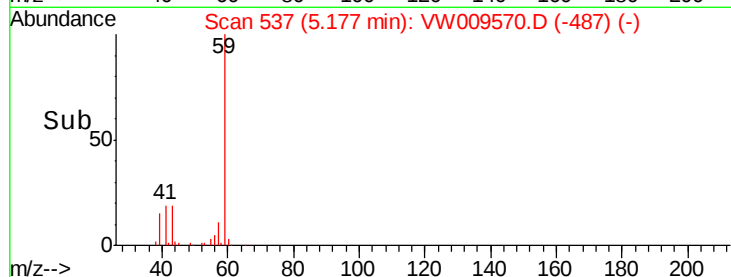
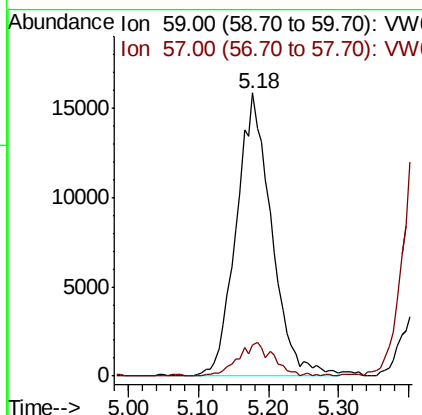
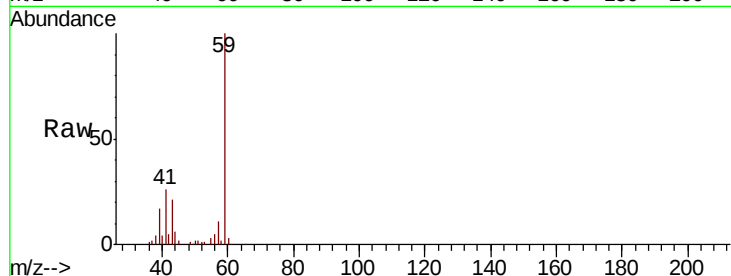




#11
Tert butyl alcohol
Concen: 247.673 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

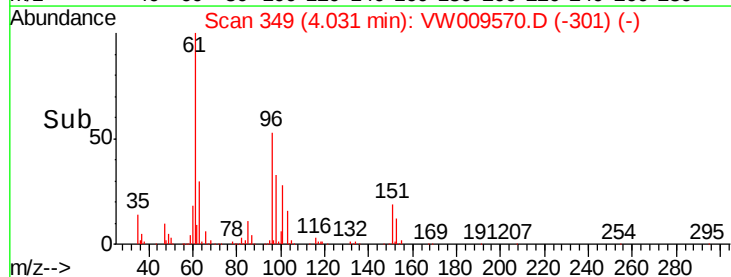
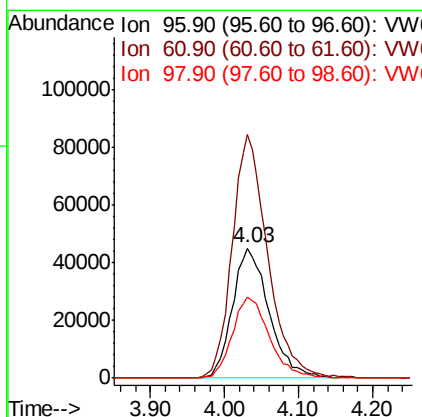
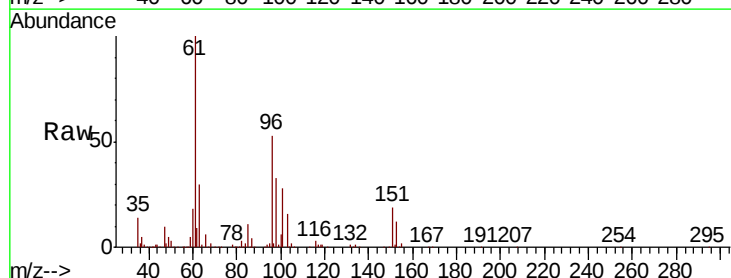
Instrument :
MSVOA_W
ClientSampleId :
ICVW032919

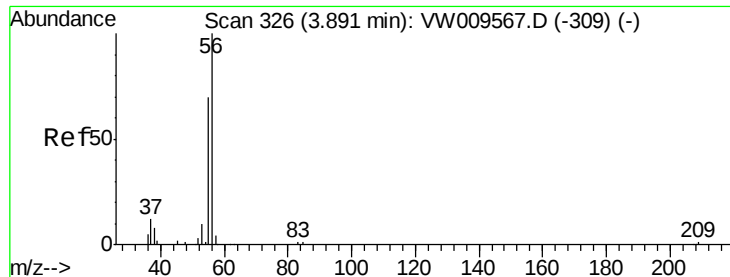
Tgt Ion: 59 Resp: 55351
Ion Ratio Lower Upper
59 100
57 11.8 9.4 14.0



#12
1,1-Dichloroethene
Concen: 47.566 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Tgt Ion: 96 Resp: 154753
Ion Ratio Lower Upper
96 100
61 187.4 138.0 207.0
98 62.3 49.8 74.8





#13

Acrolein

Concen: 252.660 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

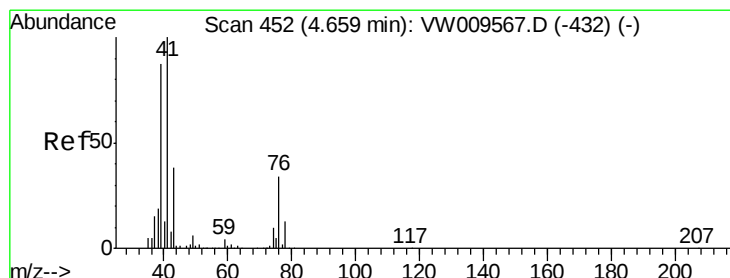
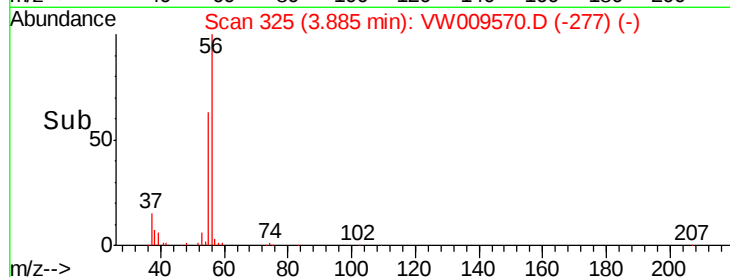
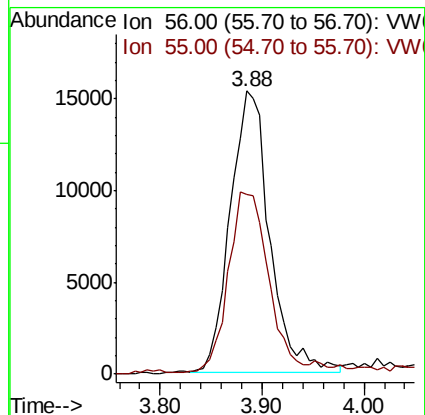
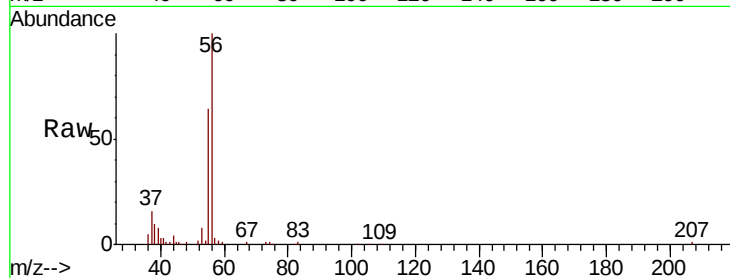
ICVW032919

Tgt Ion: 56 Resp: 41415

Ion Ratio Lower Upper

56 100

55 64.0 55.2 82.8



#14

Allyl chloride

Concen: 52.853 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

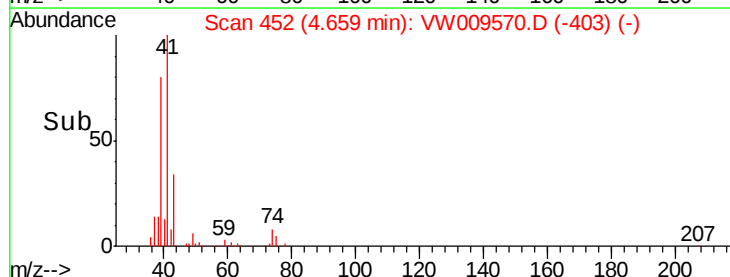
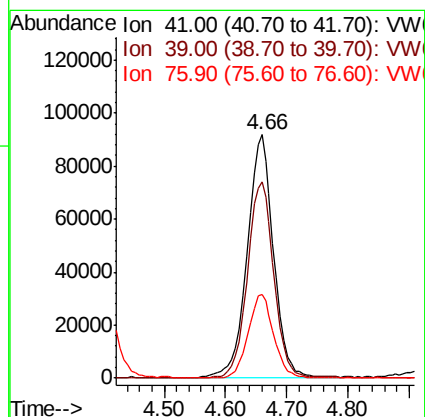
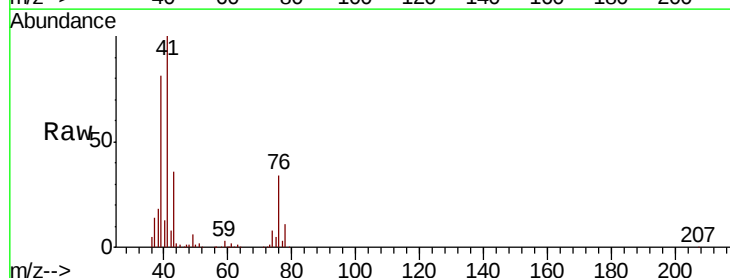
Tgt Ion: 41 Resp: 275032

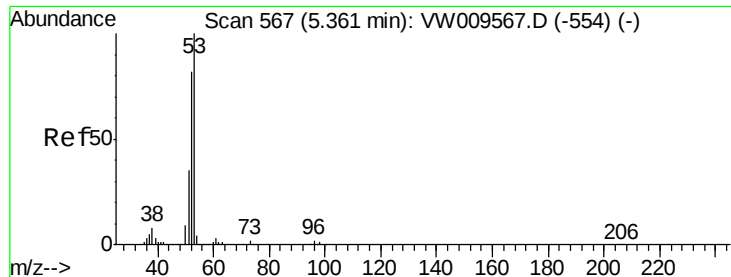
Ion Ratio Lower Upper

41 100

39 80.4 63.8 95.6

76 32.9 27.8 41.6





#15

Acrylonitrile

Concen: 246.881 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW032919

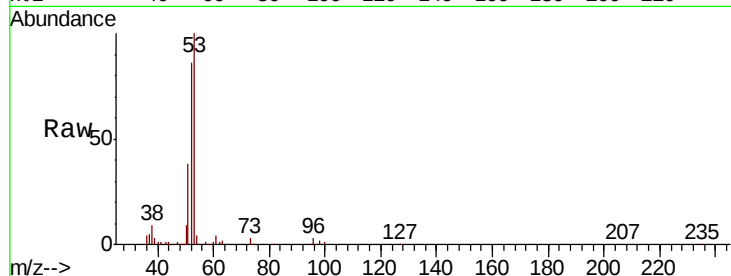
Tgt Ion: 53 Resp: 196340

Ion Ratio Lower Upper

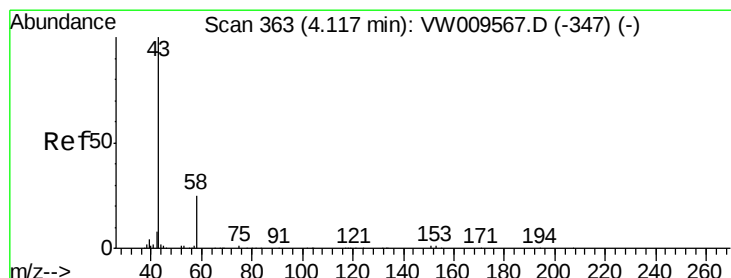
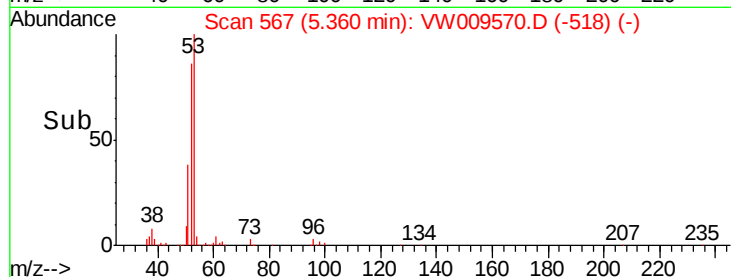
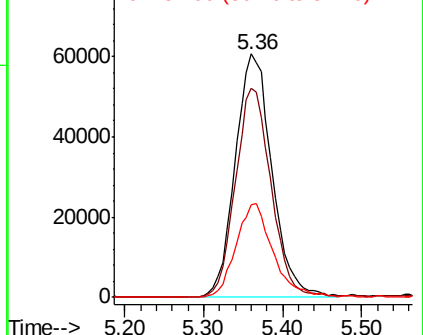
53 100

52 84.1 67.6 101.4

51 38.7 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: 294.371 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW009570.D

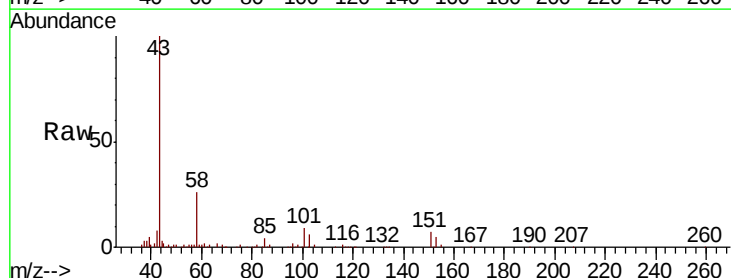
Acq: 29 Mar 2019 12:51

Tgt Ion: 43 Resp: 255108

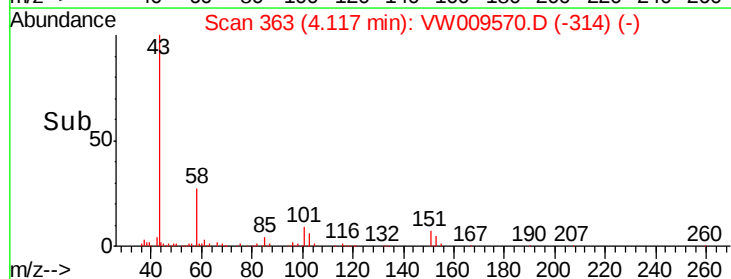
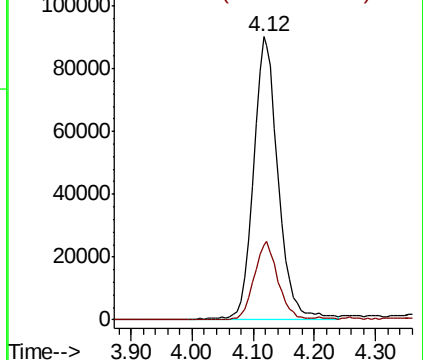
Ion Ratio Lower Upper

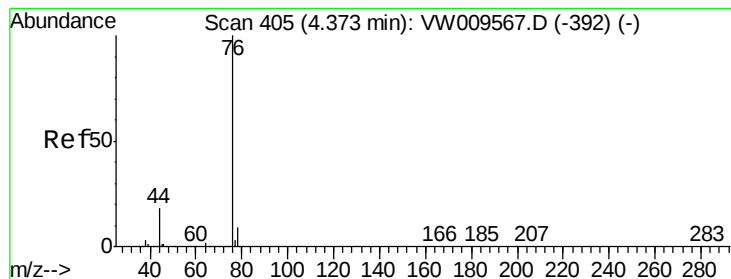
43 100

58 26.1 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: 47.463 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

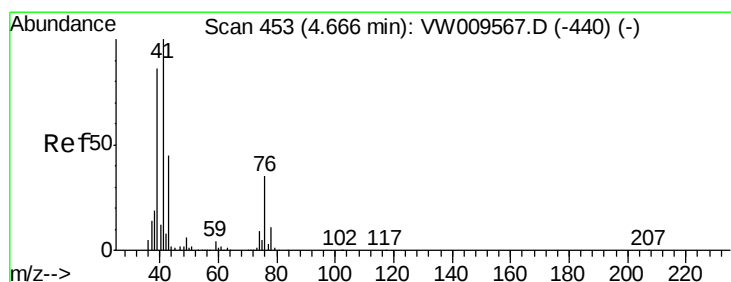
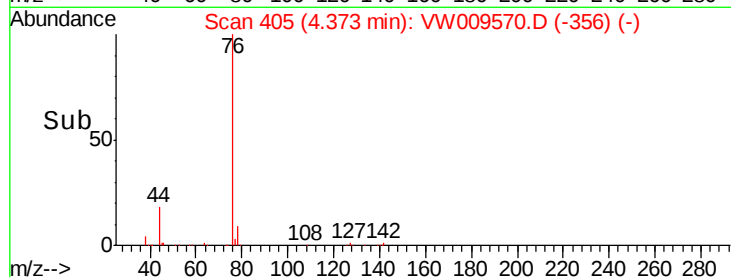
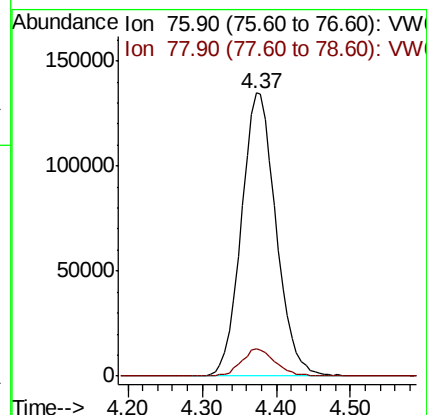
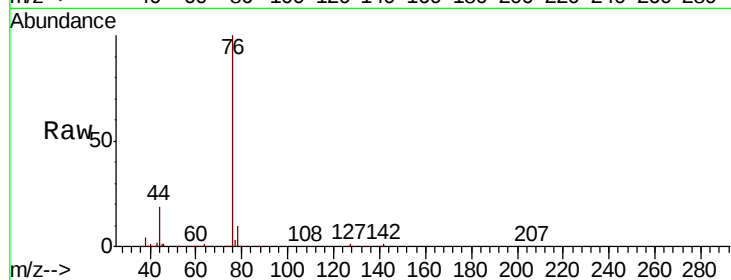
ICVW032919

Tgt Ion: 76 Resp: 439376

Ion Ratio Lower Upper

76 100

78 9.9 6.6 9.8#



#18

Methyl Acetate

Concen: 50.246 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW009570.D

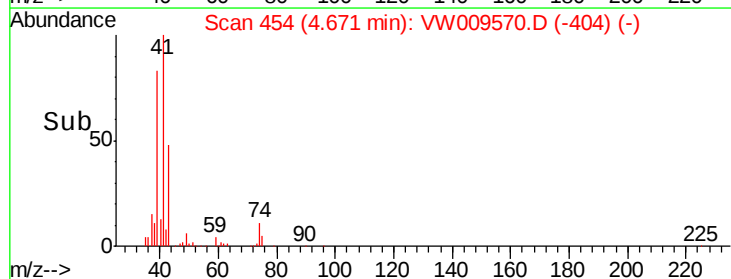
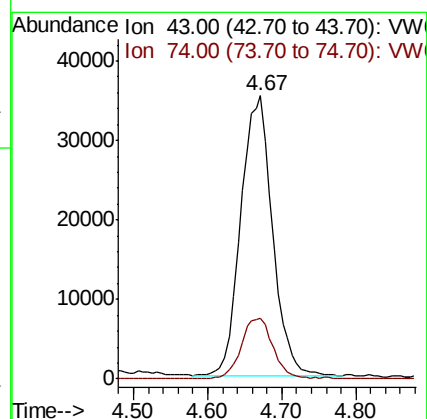
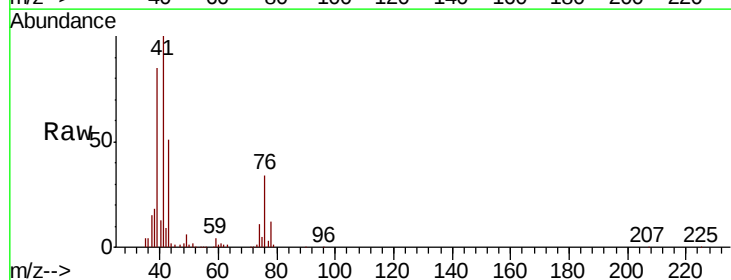
Acq: 29 Mar 2019 12:51

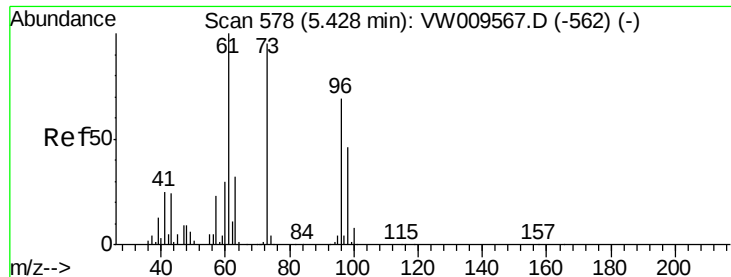
Tgt Ion: 43 Resp: 105258

Ion Ratio Lower Upper

43 100

74 21.7 17.7 26.5



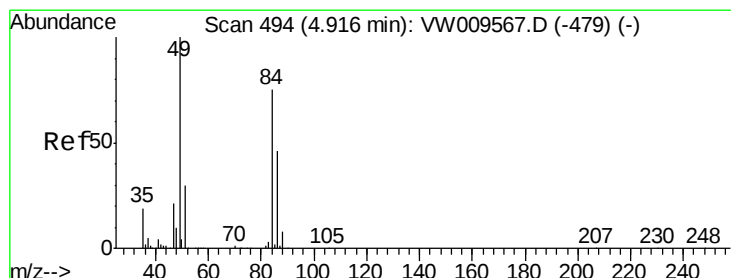
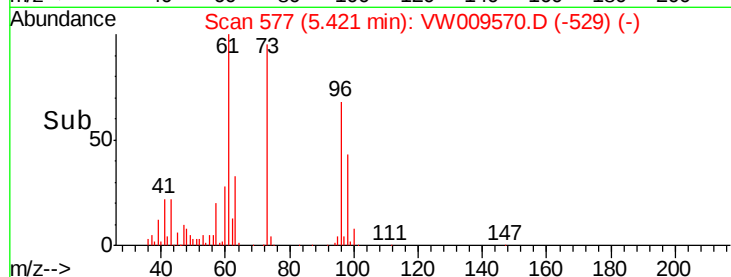
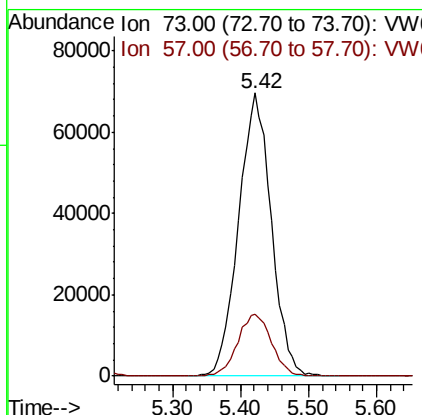
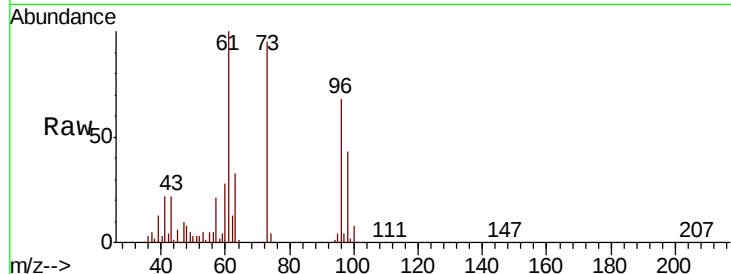


#19

Methyl tert-butyl Ether
 Concen: 51.403 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW032919

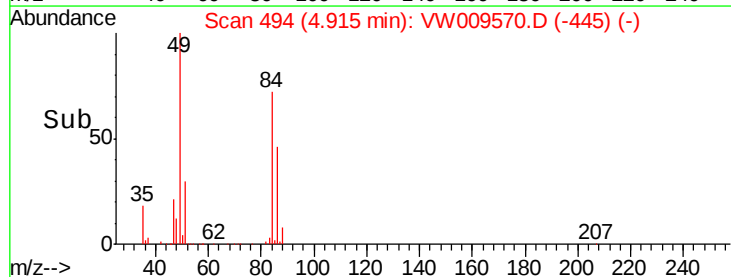
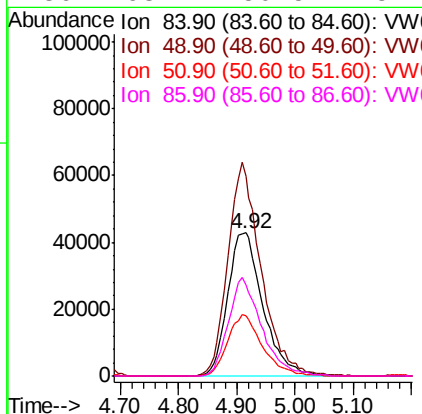
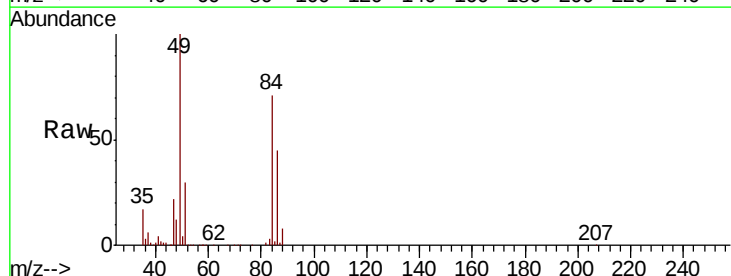
Tgt Ion: 73 Resp: 232592
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.0 25.6

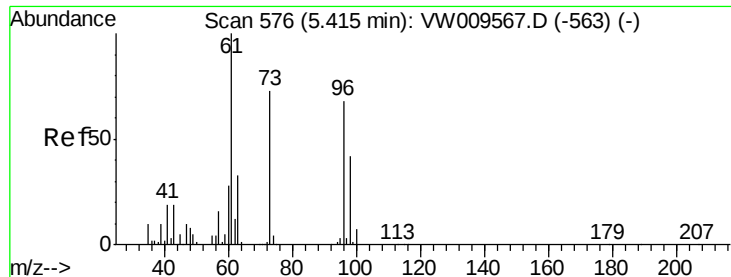


#20

Methylene Chloride
 Concen: 53.203 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Tgt Ion: 84 Resp: 180039
 Ion Ratio Lower Upper
 84 100
 49 140.1 99.1 148.7
 51 41.9 28.7 43.1
 86 63.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 49.080 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW032919

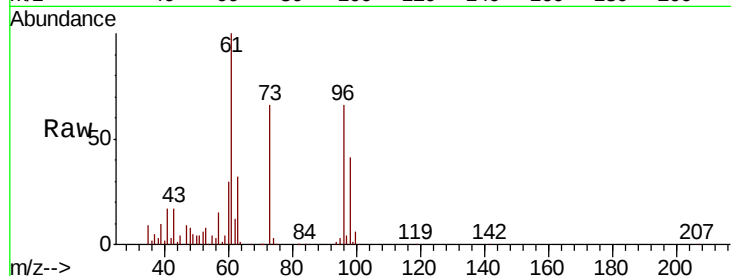
Tgt Ion: 96 Resp: 169534

Ion Ratio Lower Upper

96 100

61 150.4 108.2 162.4

98 61.4 50.9 76.3

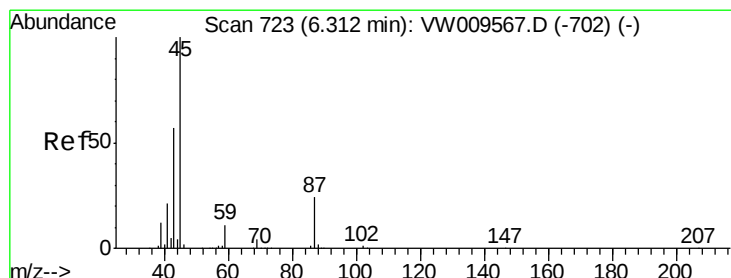
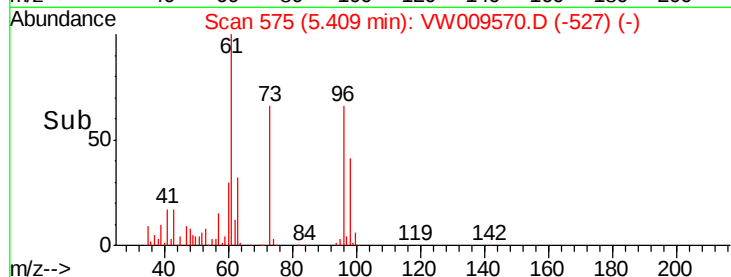
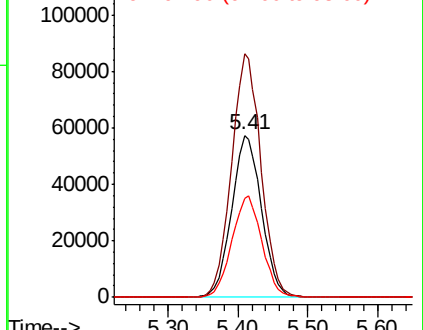


Abundance

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: 50.605 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Tgt Ion: 45 Resp: 568705

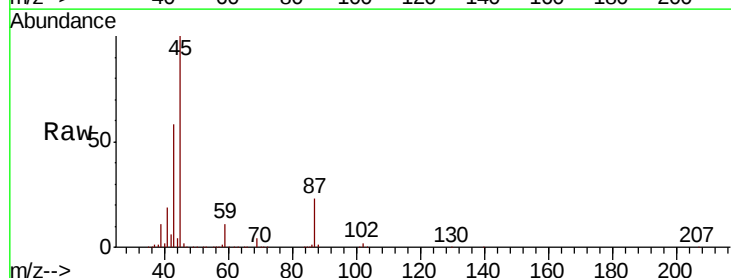
Ion Ratio Lower Upper

45 100

43 56.9 47.9 71.9

87 23.0 20.6 30.8

59 11.0 9.0 13.4



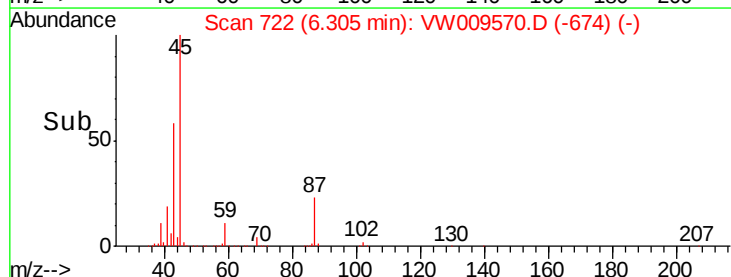
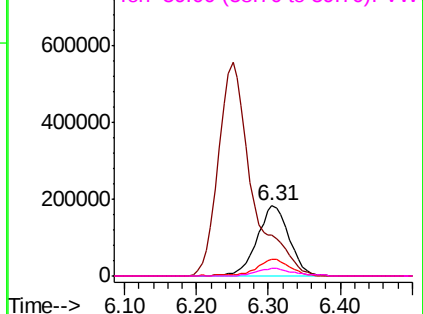
Abundance

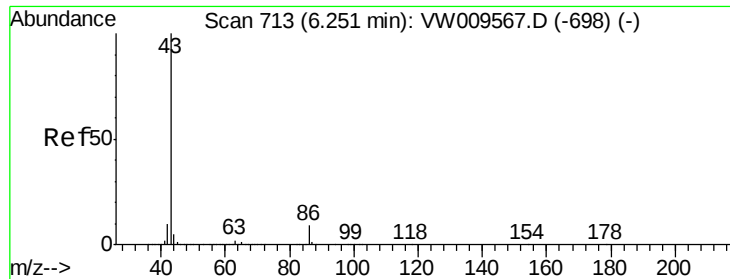
Ion 45.00 (44.70 to 45.70): VW

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: 257.320 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

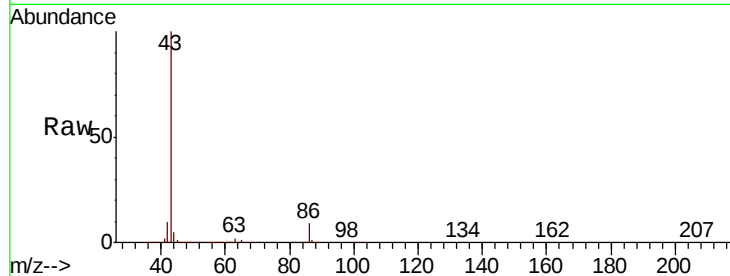
ICVW032919

Tgt Ion: 43 Resp: 1804003

Ion Ratio Lower Upper

43 100

86 9.3 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

600000

500000

400000

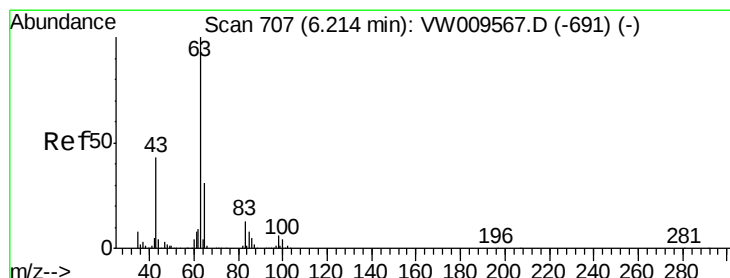
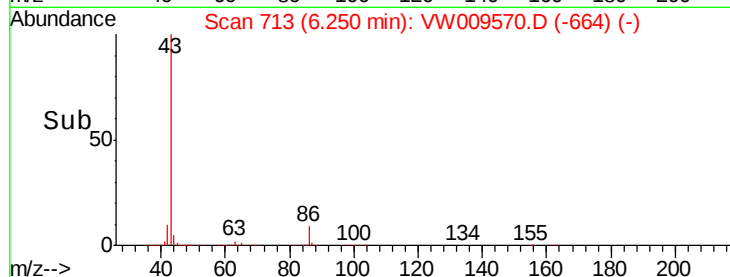
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.558 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

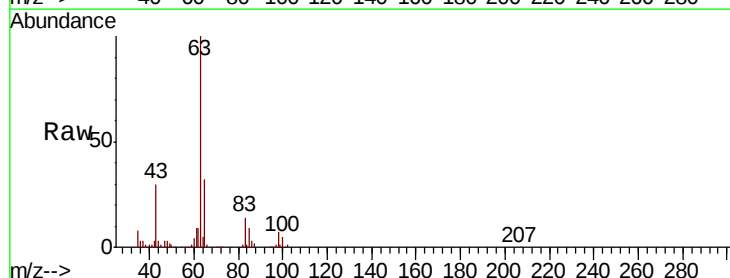
Tgt Ion: 63 Resp: 328448

Ion Ratio Lower Upper

63 100

98 6.9 3.7 11.1

100 5.0 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

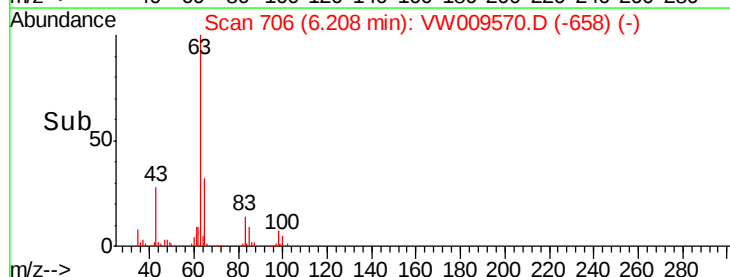
150000

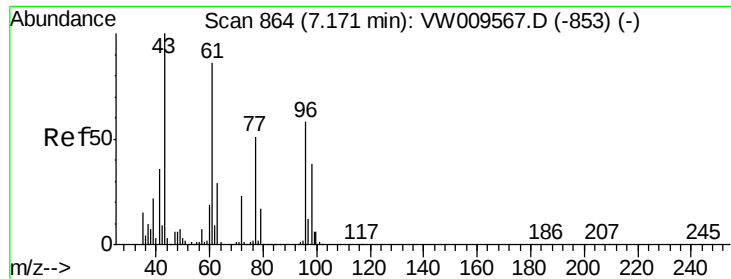
100000

50000

0

Time-->





#25

2-Butanone

Concen: 256.272 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampled :

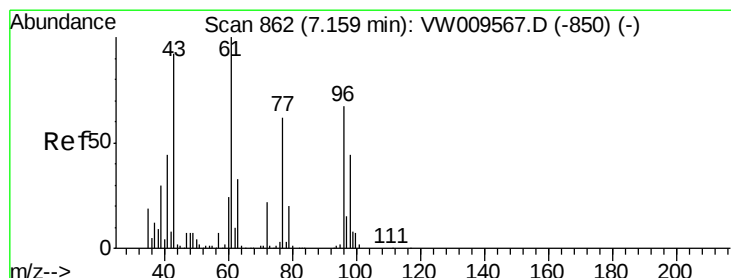
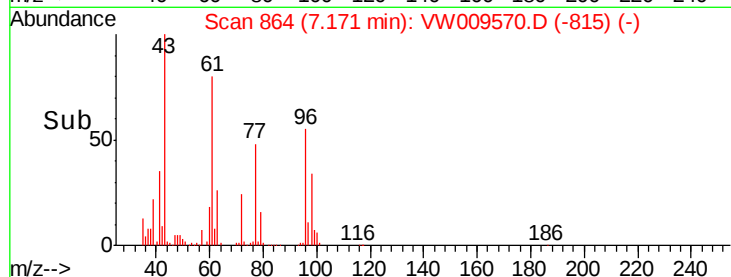
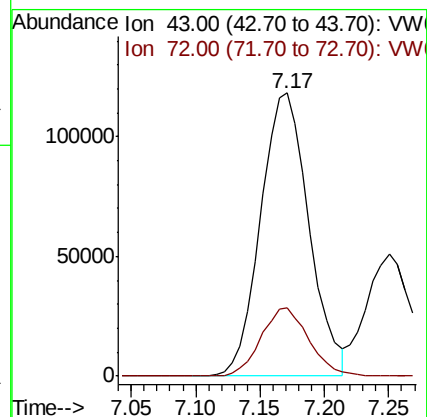
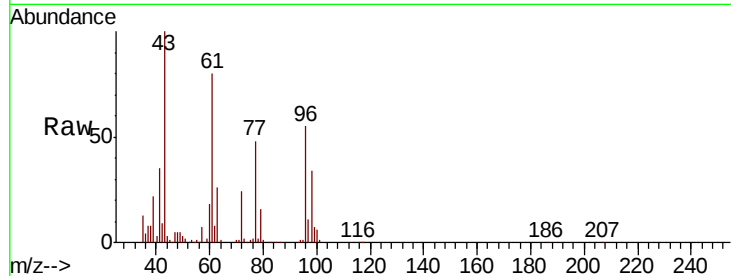
ICVW032919

Tgt Ion: 43 Resp: 306904

Ion Ratio Lower Upper

43 100

72 24.4 20.0 30.0



#26

2,2-Dichloropropane

Concen: 50.652 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW009570.D

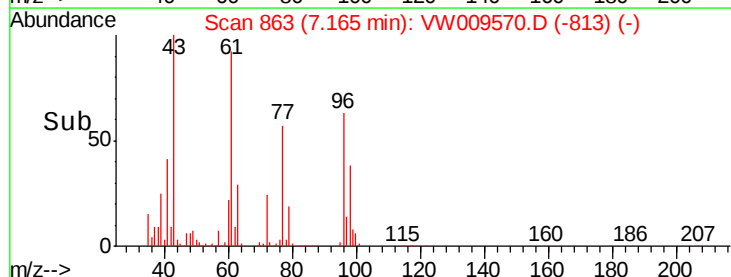
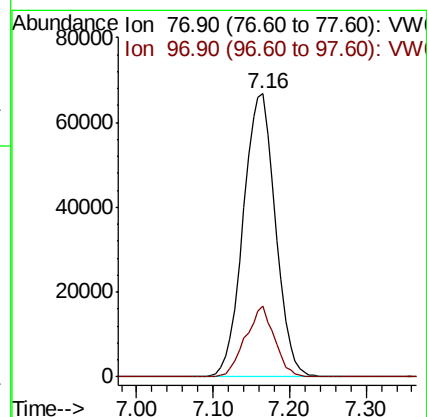
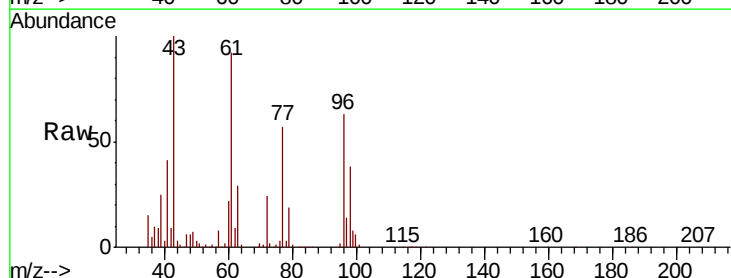
Acq: 29 Mar 2019 12:51

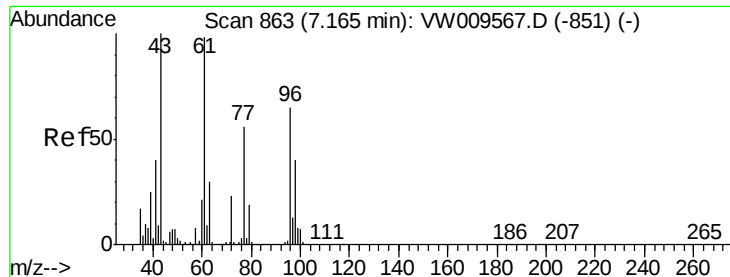
Tgt Ion: 77 Resp: 195881

Ion Ratio Lower Upper

77 100

97 22.5 11.6 34.7



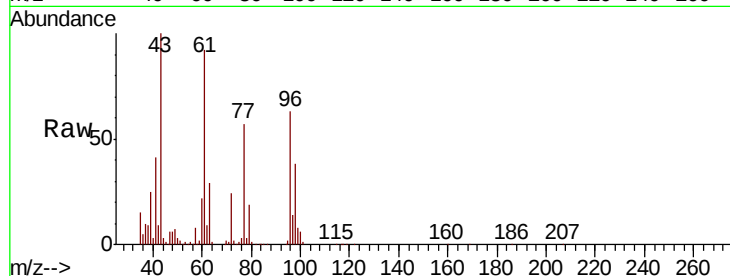


#27

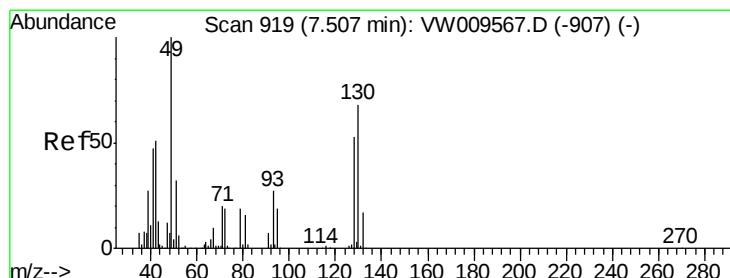
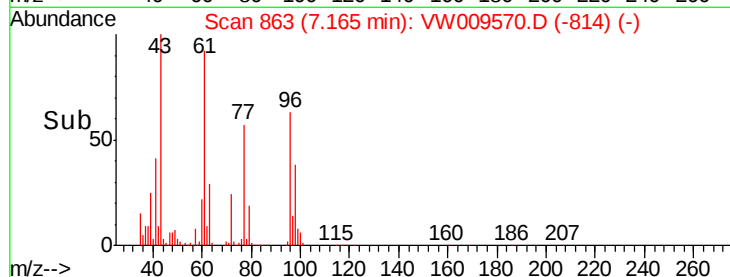
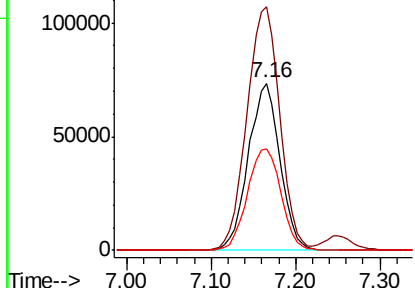
cis-1,2-Dichloroethene
 Concen: 49.681 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW032919

Tgt Ion	Resp	Lower	Upper
96	187418		
96	100		
61	151.6	0.0	289.8
98	64.3	0.0	130.8



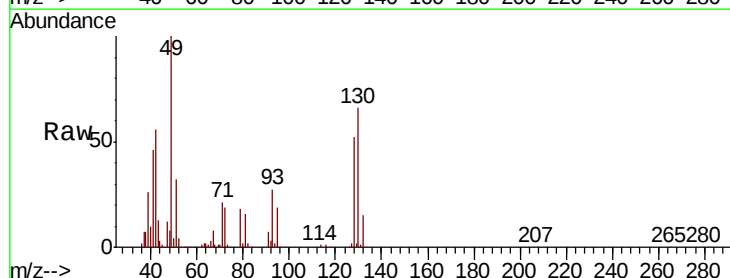
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



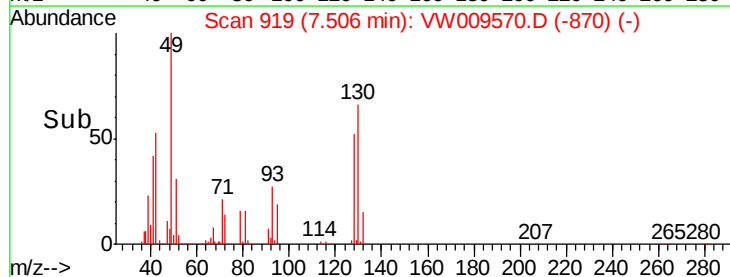
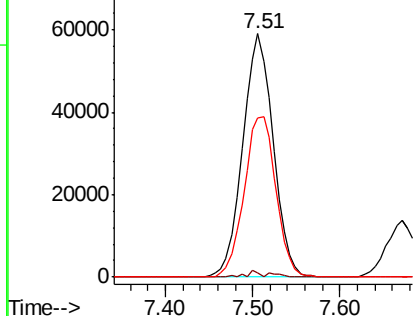
#28

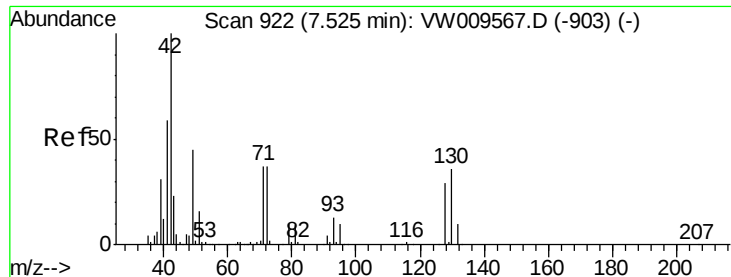
Bromochloromethane
 Concen: 48.725 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Tgt Ion	Resp	Lower	Upper
49	142813		
49	100		
129	0.7	0.0	1.4
130	68.8	58.6	88.0



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

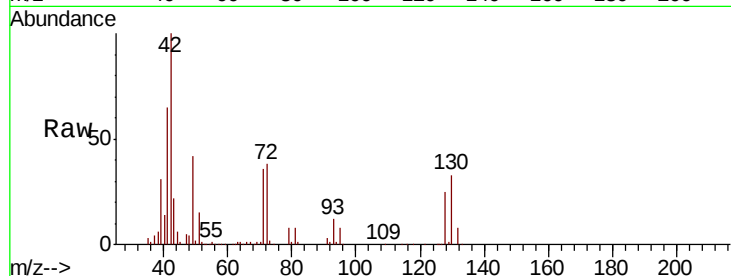




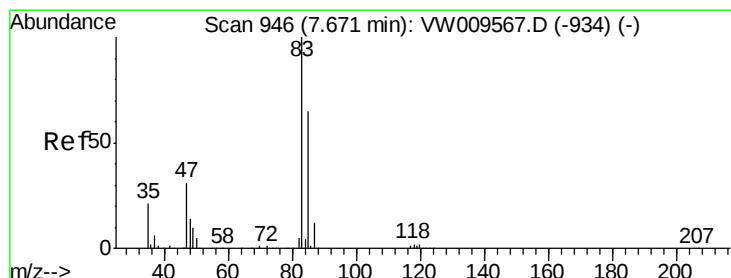
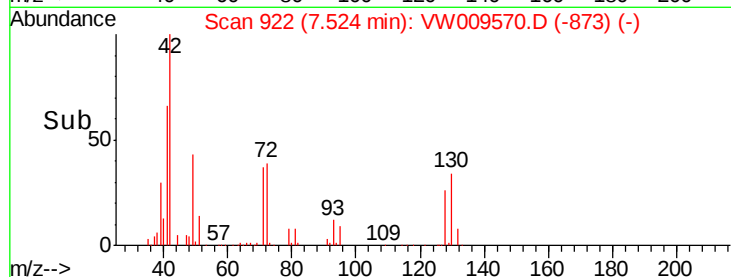
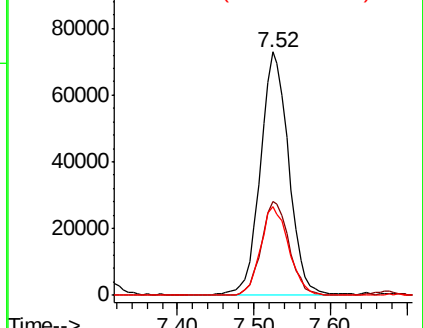
#29
Tetrahydrofuran
Concen: 252.395 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Instrument :
MSVOA_W
ClientSampleId :
ICVW032919

Tgt Ion: 42 Resp: 187685
Ion Ratio Lower Upper
42 100
72 38.0 32.4 48.6
71 36.5 30.1 45.1

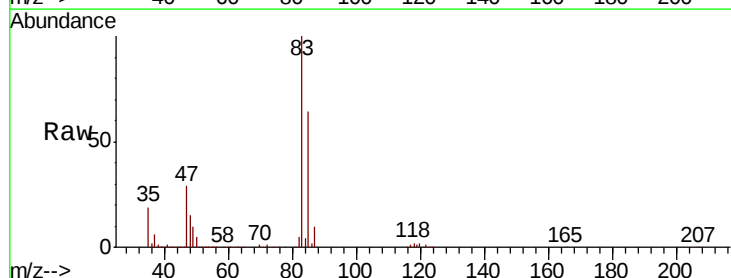


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

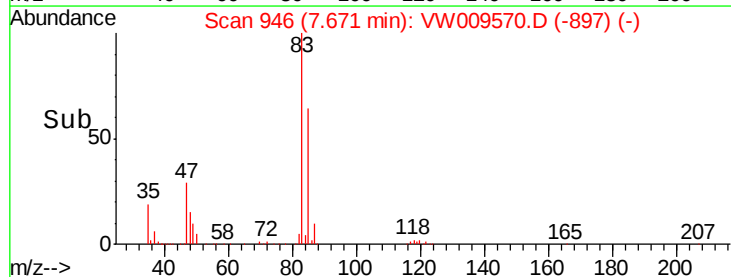
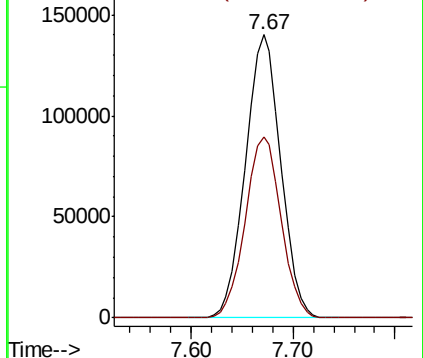


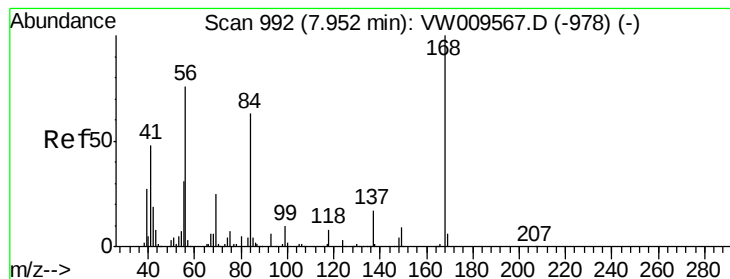
#30
Chloroform
Concen: 48.236 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Tgt Ion: 83 Resp: 337920
Ion Ratio Lower Upper
83 100
85 63.9 51.0 76.6



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





#31

Cyclohexane

Concen: 47.209 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW032919

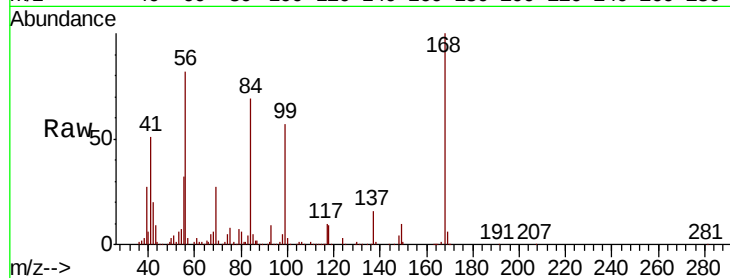
Tgt Ion: 56 Resp: 299369

Ion Ratio Lower Upper

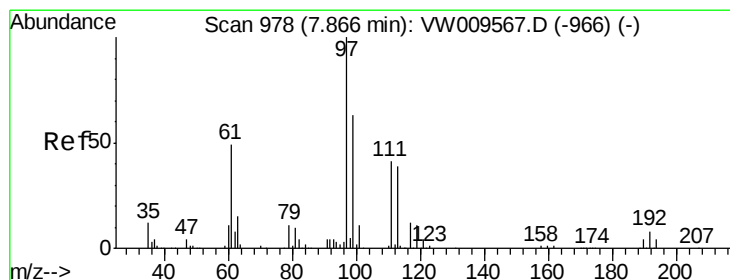
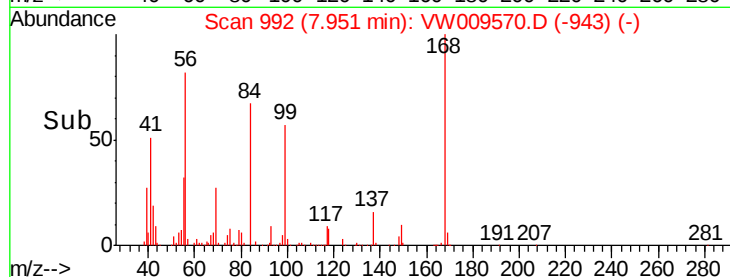
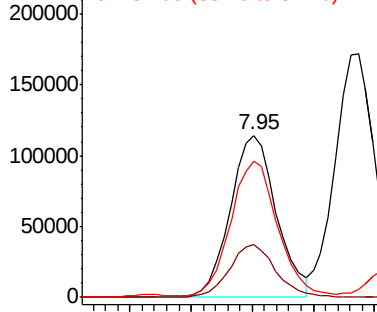
56 100

69 32.8 26.1 39.1

84 82.2 68.6 103.0



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



#32

1,1,1-Trichloroethane

Concen: 49.113 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

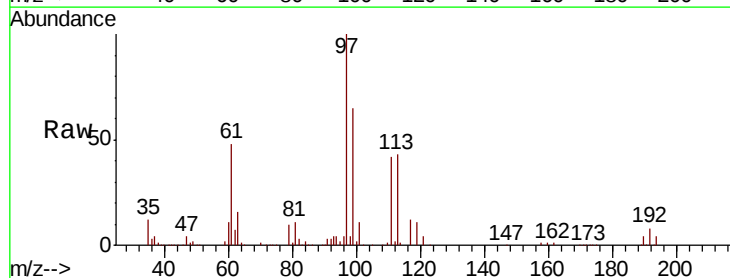
Tgt Ion: 97 Resp: 278541

Ion Ratio Lower Upper

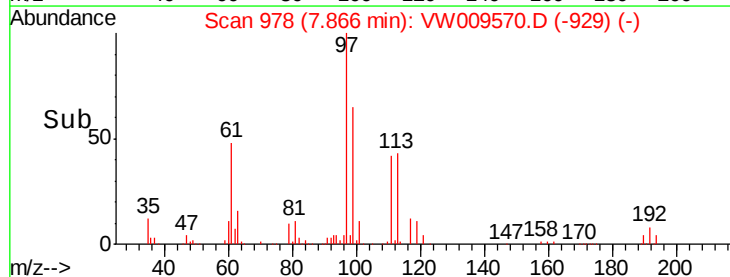
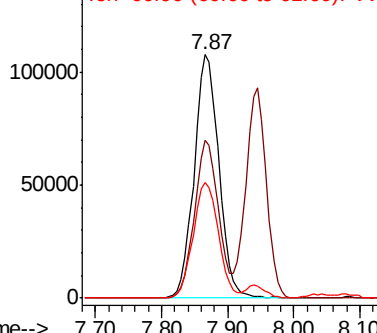
97 100

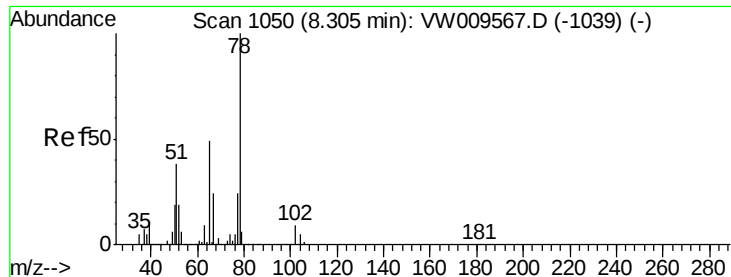
99 62.4 51.9 77.9

61 48.8 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: 48.329 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

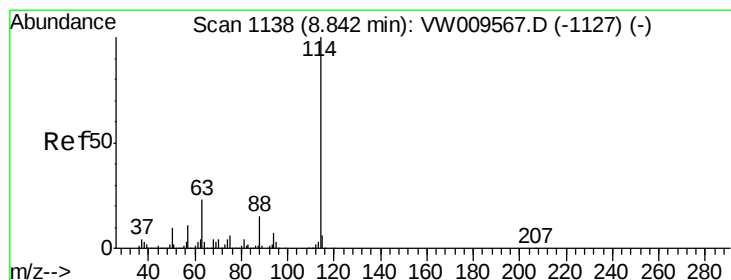
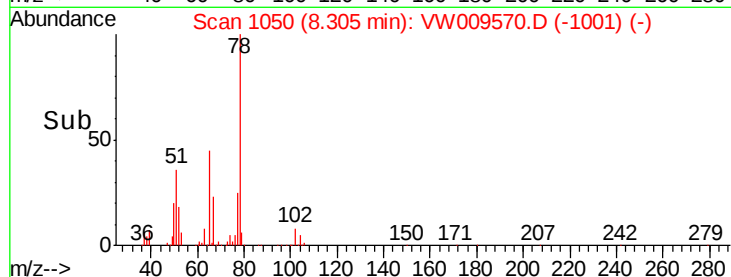
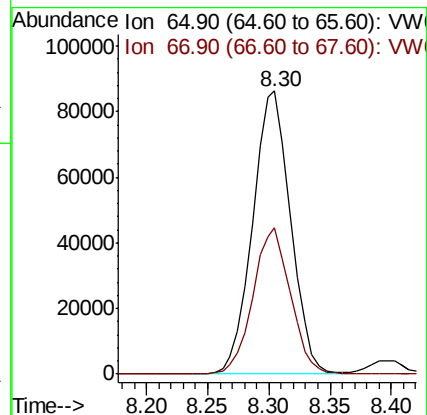
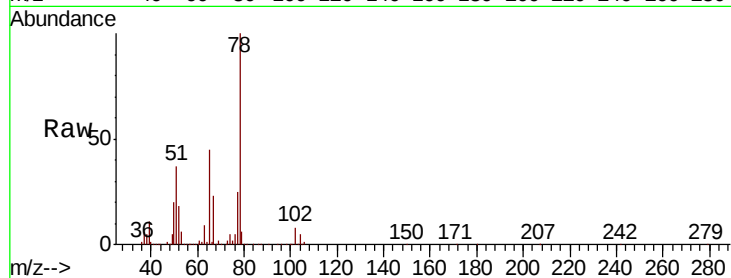
ICVW032919

Tgt Ion: 65 Resp: 186283

Ion Ratio Lower Upper

65 100

67 51.0 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: VW009570.D

Acq: 29 Mar 2019 12:51

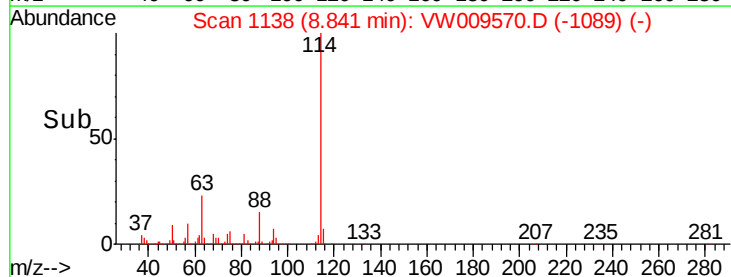
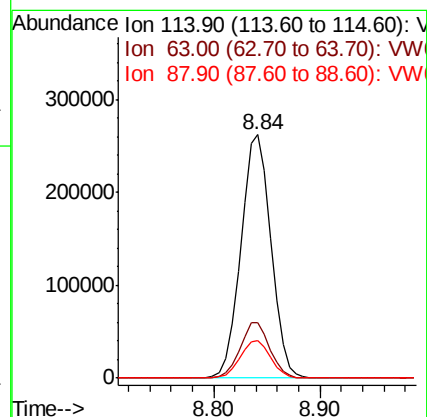
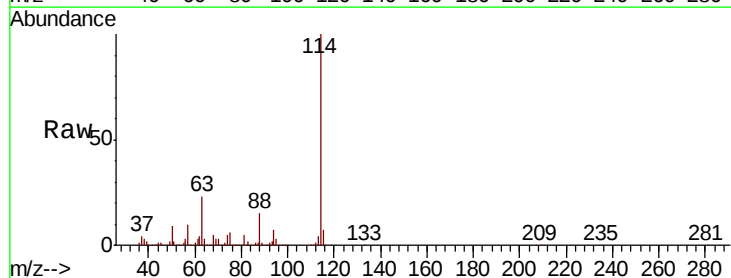
Tgt Ion: 114 Resp: 519724

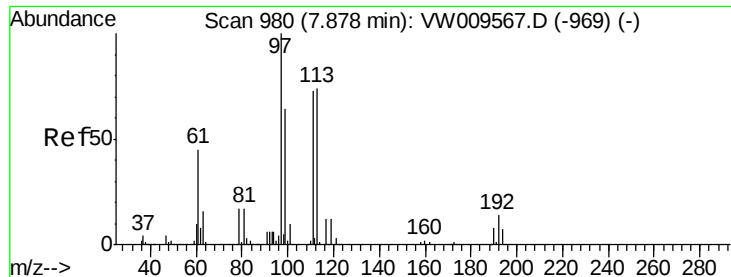
Ion Ratio Lower Upper

114 100

63 22.8 0.0 42.2

88 15.4 0.0 30.8

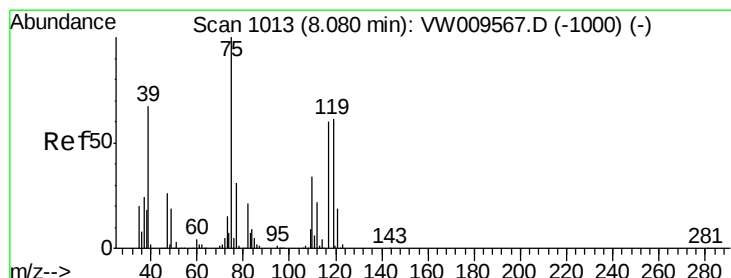
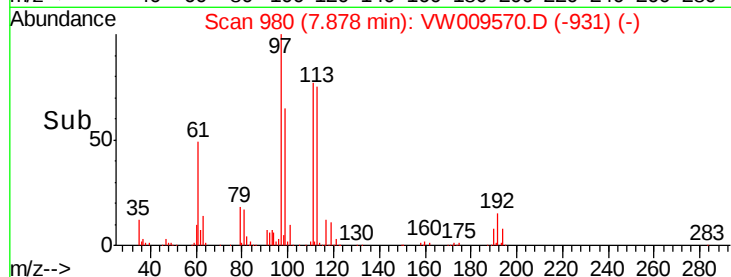
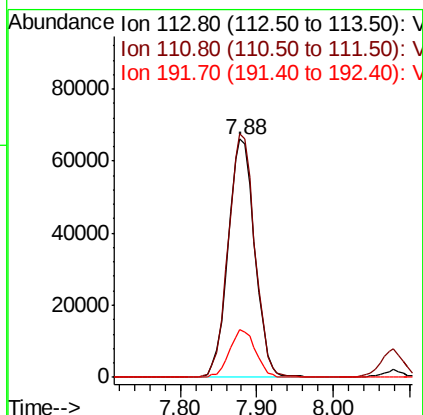
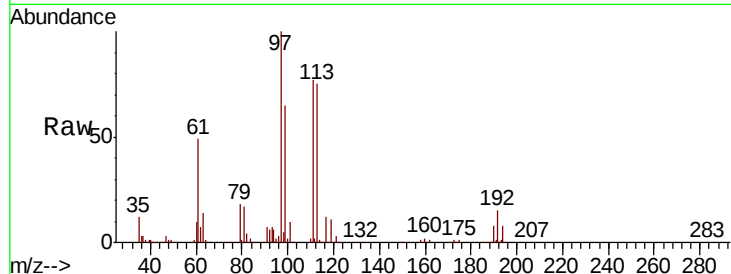




#35
 Dibromofluoromethane
 Concen: 48.627 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

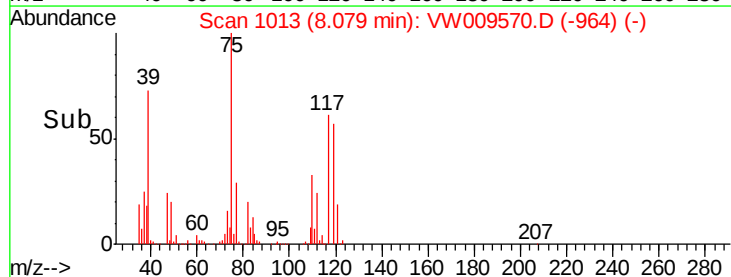
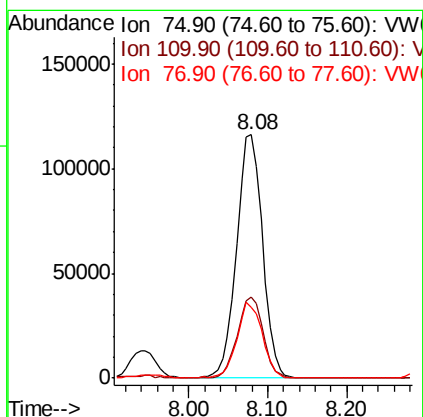
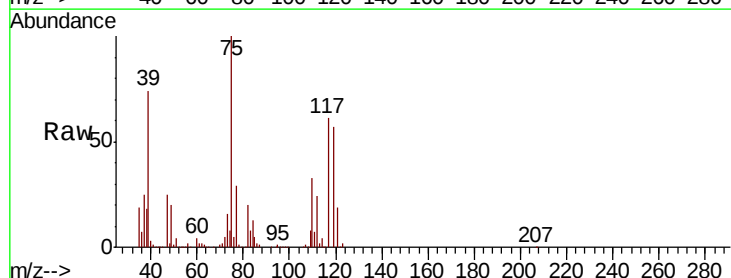
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW032919

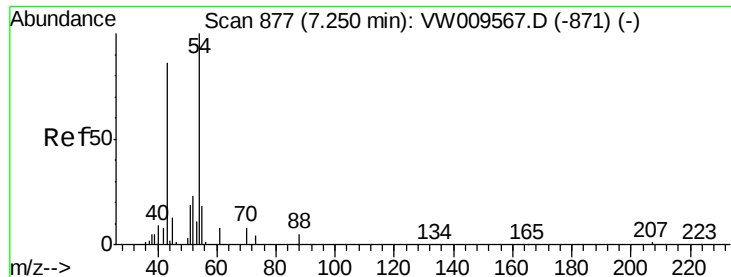
Tgt Ion: 113 Resp: 158731
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.6 124.0
 192 19.5 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 49.671 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Tgt Ion: 75 Resp: 267015
 Ion Ratio Lower Upper
 75 100
 110 32.7 16.8 50.4
 77 30.5 24.6 36.8

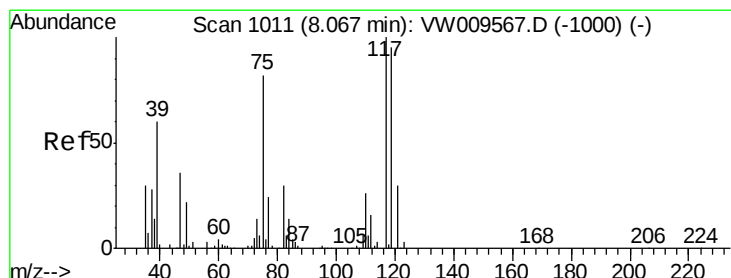
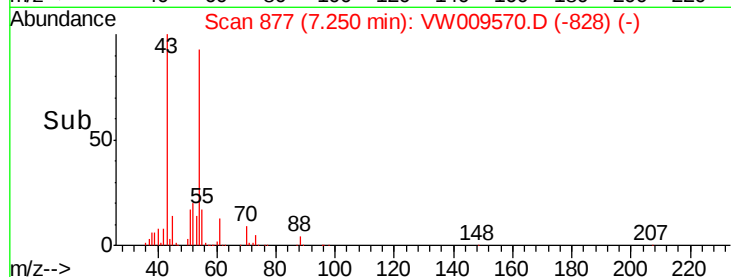
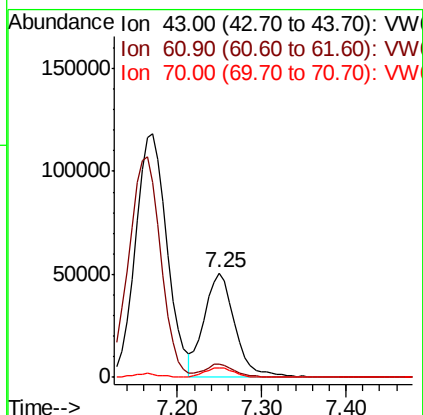
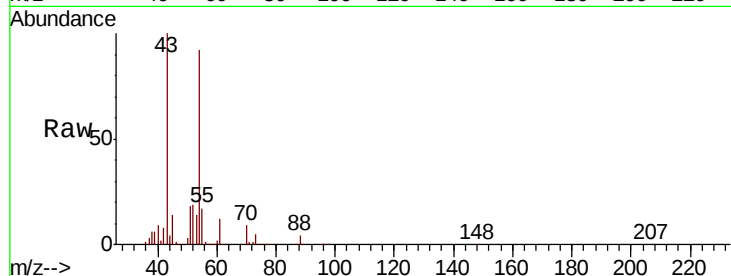




#37
Ethyl Acetate
Concen: 50.094 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

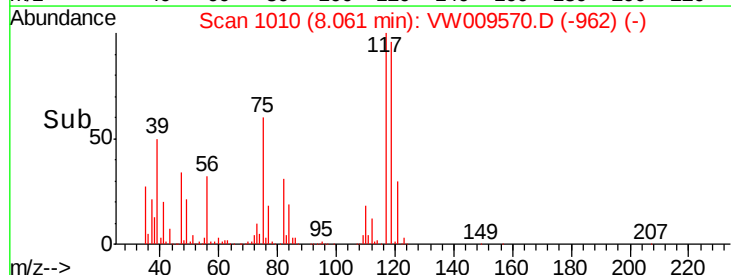
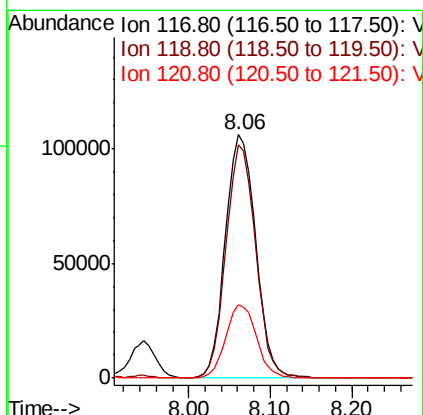
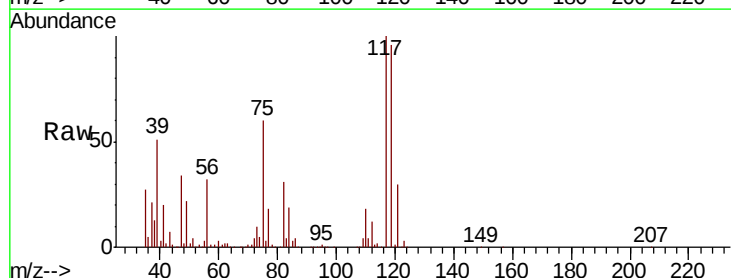
Instrument :
MSVOA_W
ClientSampleId :
ICVW032919

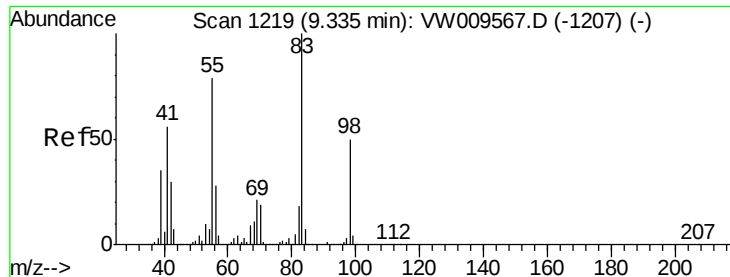
Tgt Ion: 43 Resp: 127938
Ion Ratio Lower Upper
43 100
61 12.1 10.0 15.0
70 9.0 7.3 10.9



#38
Carbon Tetrachloride
Concen: 49.636 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Tgt Ion: 117 Resp: 273409
Ion Ratio Lower Upper
117 100
119 95.8 75.4 113.0
121 30.1 24.9 37.3

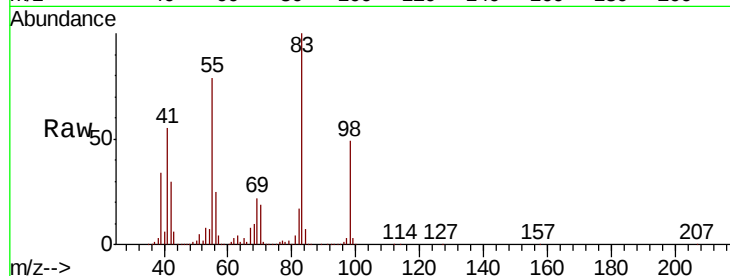




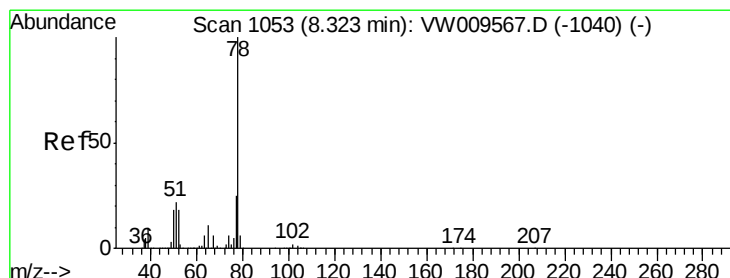
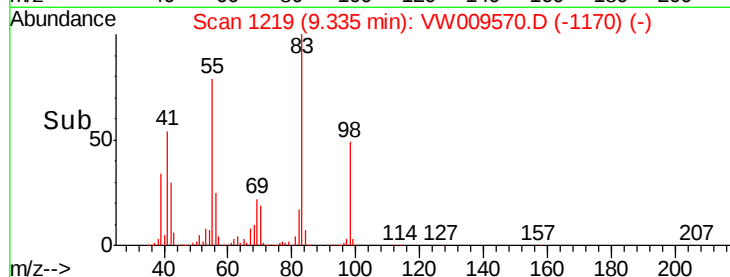
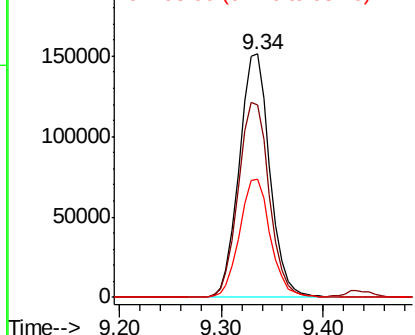
#39
Methylcyclohexane
Concen: 51.226 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Instrument :
MSVOA_W
ClientSampled :
ICVW032919

Tgt Ion: 83 Resp: 314554
Ion Ratio Lower Upper
83 100
55 79.0 61.1 91.7
98 48.7 39.0 58.4

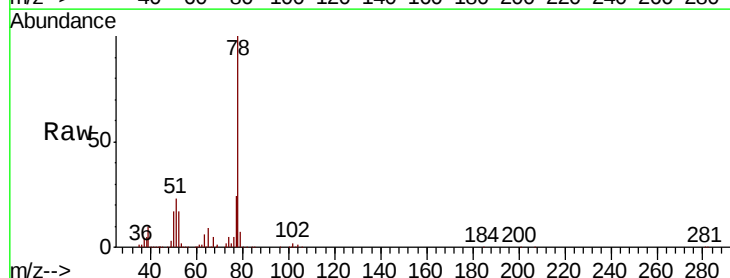


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

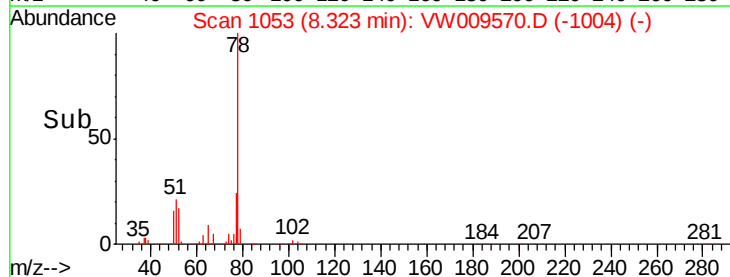
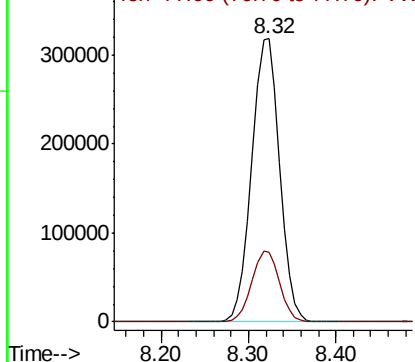


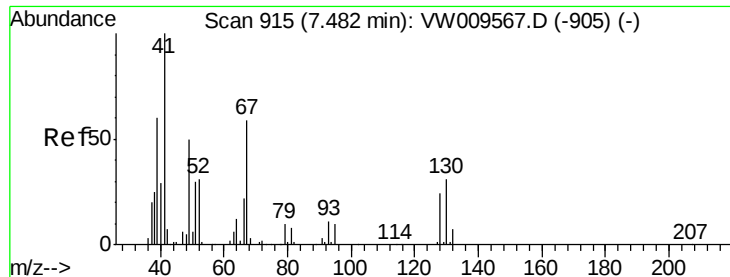
#40
Benzene
Concen: 48.606 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Tgt Ion: 78 Resp: 707739
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

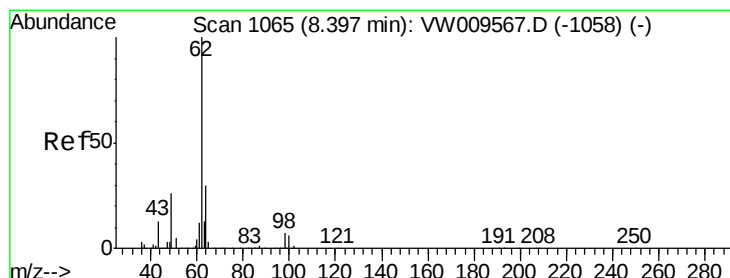
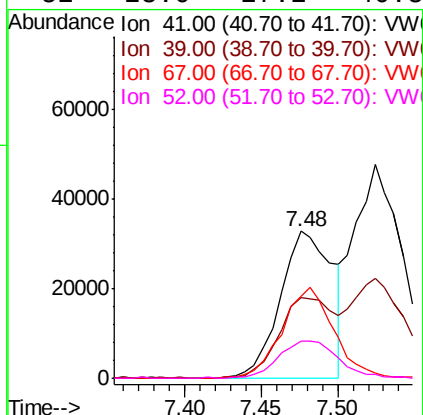
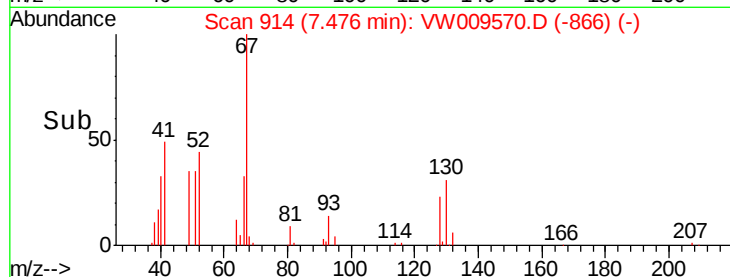
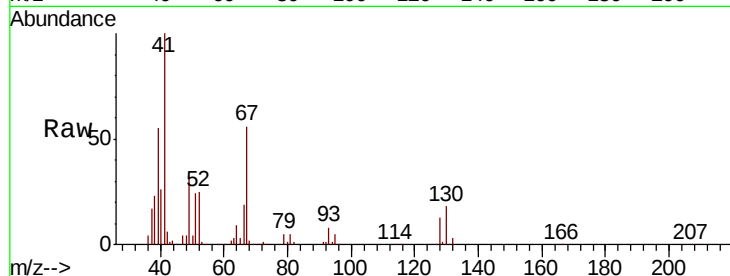




#41
Methacrylonitrile
Concen: 47.118 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

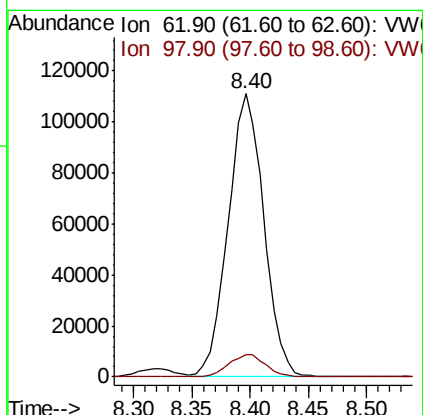
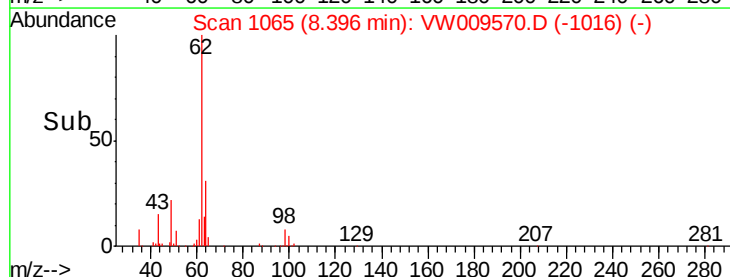
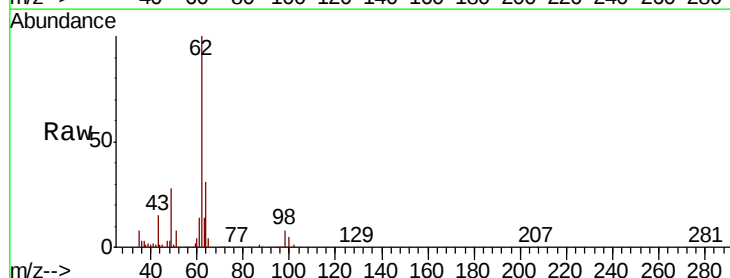
Instrument :
MSVOA_W
ClientSampleId :
ICVW032919

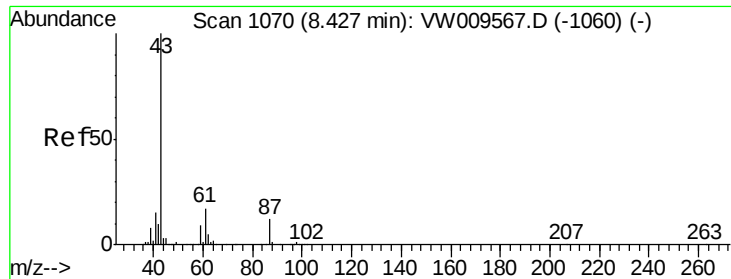
Tgt Ion:	41	Resp:	77959
Ion	Ratio	Lower	Upper
41	100		
39	57.5	52.5	78.7
67	61.3	56.6	84.8
52	28.0	27.2	40.8



#42
1,2-Dichloroethane
Concen: 47.728 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Tgt Ion:	62	Resp:	236922
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.4

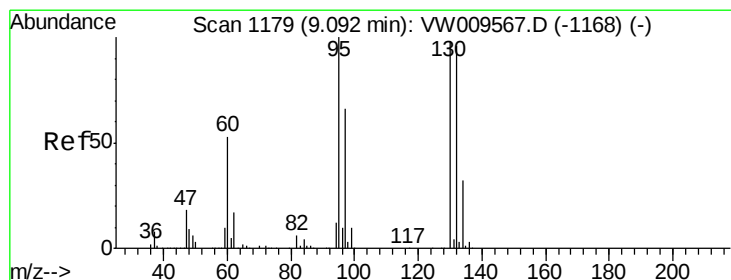
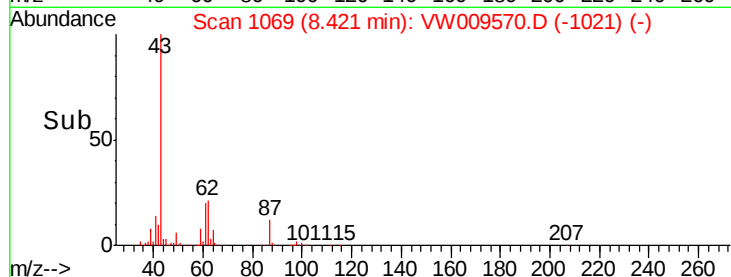
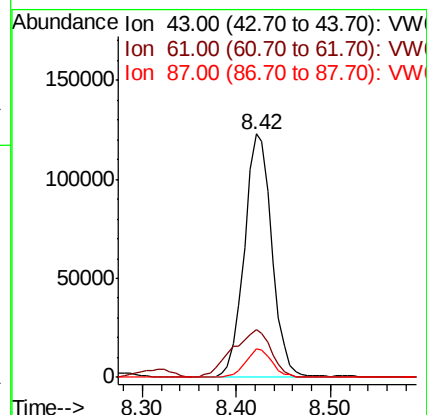
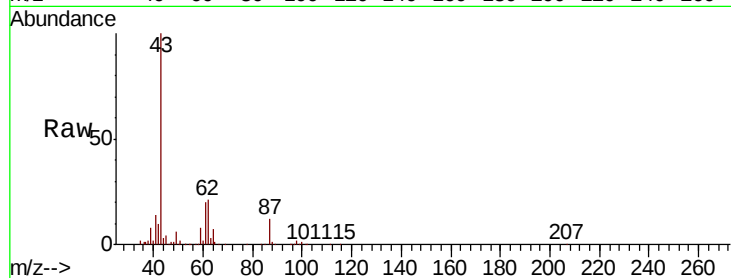




#43
Isopropyl Acetate
Concen: 49.913 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

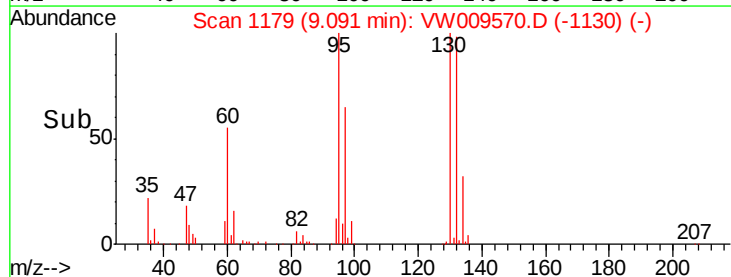
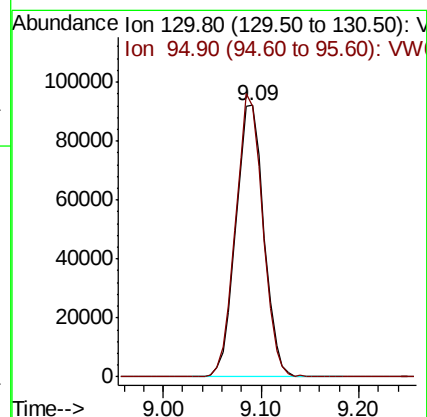
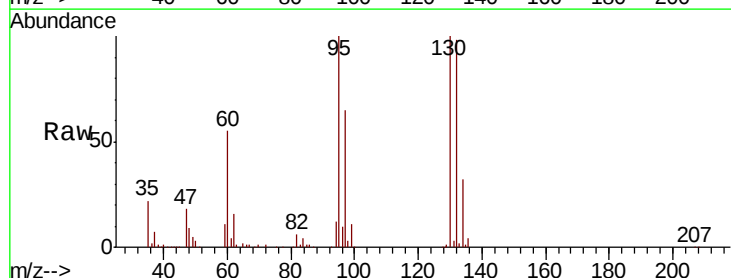
Instrument :
MSVOA_W
ClientSampleId :
ICVW032919

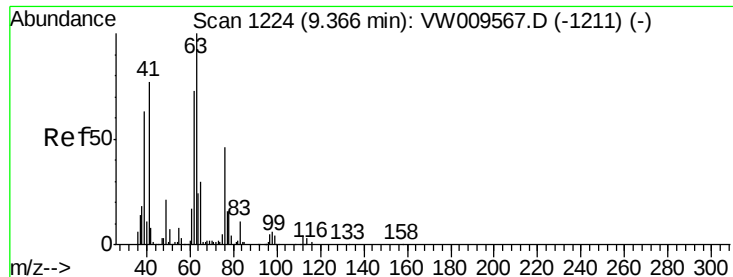
Tgt Ion: 43 Resp: 249825
Ion Ratio Lower Upper
43 100
61 27.5 22.2 33.2
87 11.4 9.6 14.4



#44
Trichloroethene
Concen: 48.727 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Tgt Ion: 130 Resp: 183683
Ion Ratio Lower Upper
130 100
95 99.6 0.0 192.6

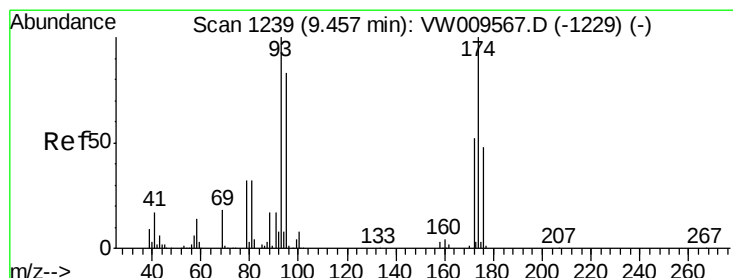
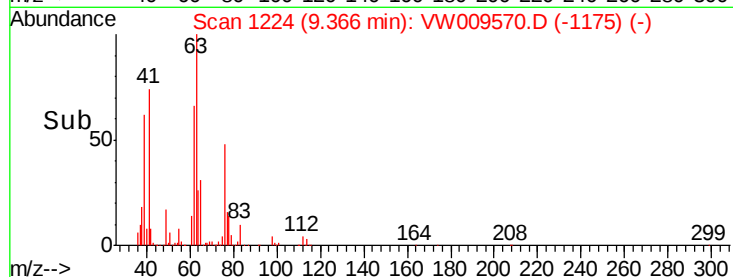
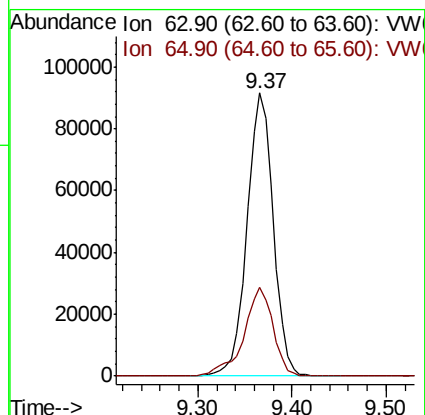
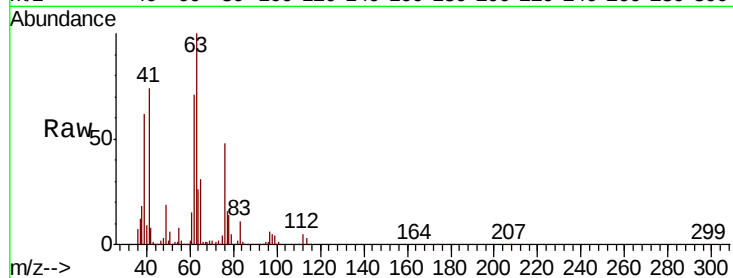




#45
 1,2-Dichloropropane
 Concen: 47.941 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

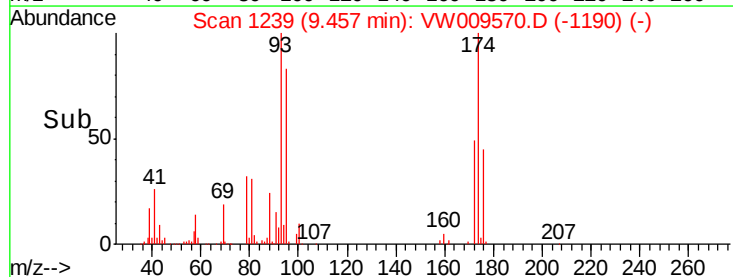
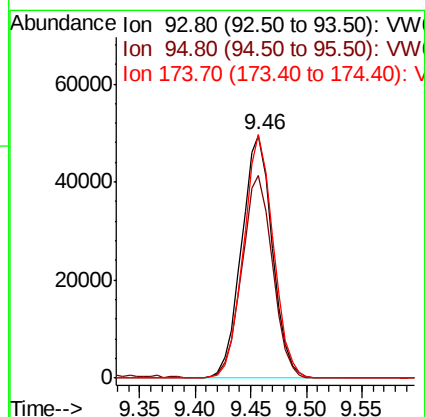
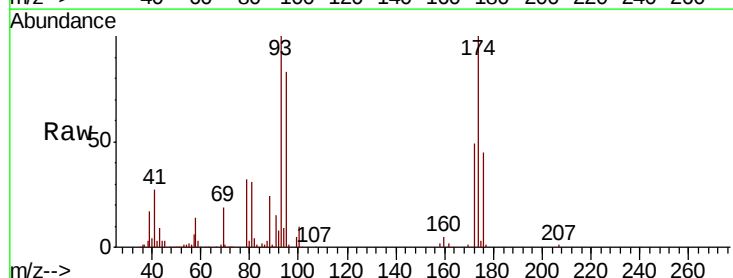
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW032919

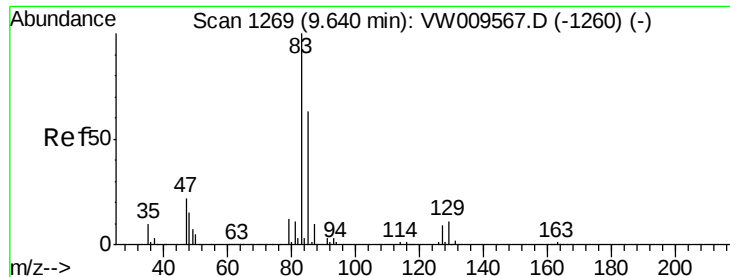
Tgt Ion: 63 Resp: 178676
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.8 38.8



#46
 Dibromomethane
 Concen: 47.012 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Tgt Ion: 93 Resp: 94917
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.9 100.3
 174 97.2 80.8 121.2

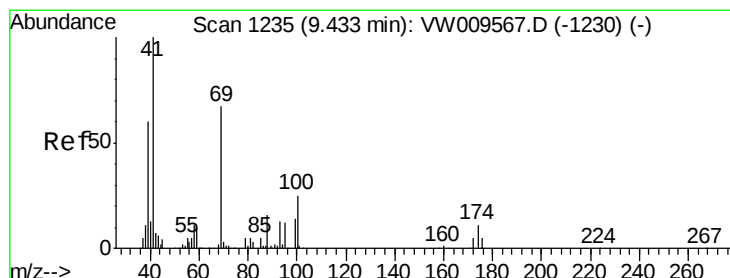
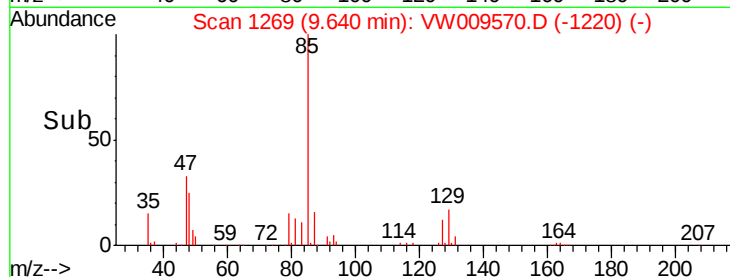
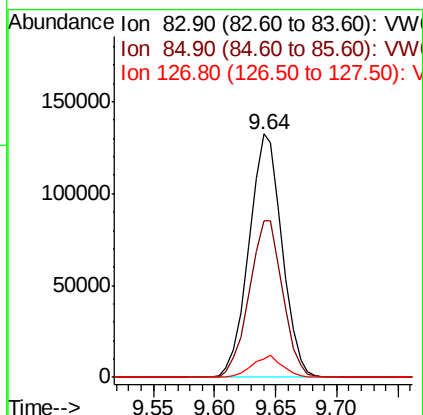
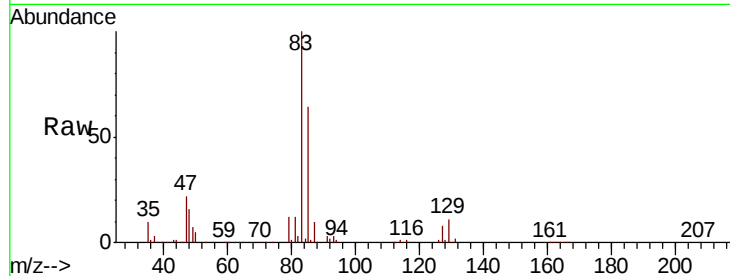




#47
 Bromodichloromethane
 Concen: 48.425 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

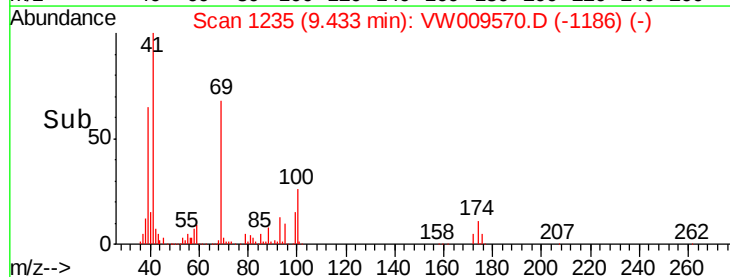
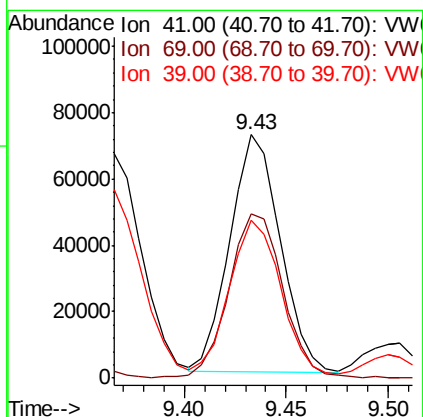
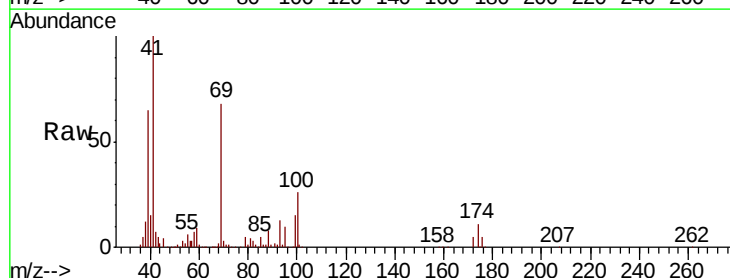
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW032919

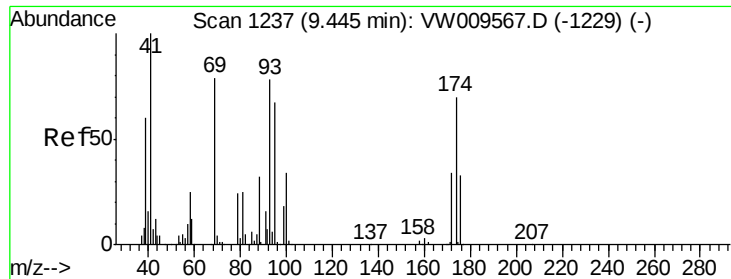
Tgt Ion: 83 Resp: 249394
 Ion Ratio Lower Upper
 83 100
 85 64.3 52.6 79.0
 127 7.6 6.5 9.7



#48
 Methyl methacrylate
 Concen: 52.320 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Tgt Ion: 41 Resp: 122754
 Ion Ratio Lower Upper
 41 100
 69 74.1 63.0 94.6
 39 64.9 57.2 85.8

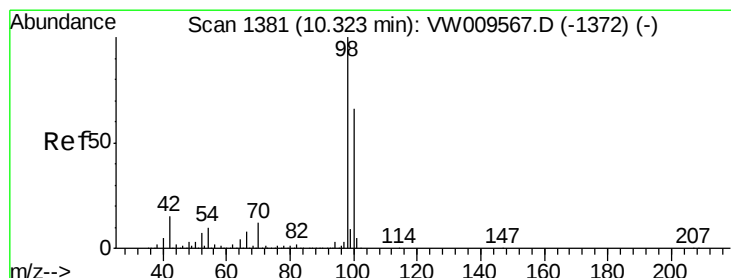
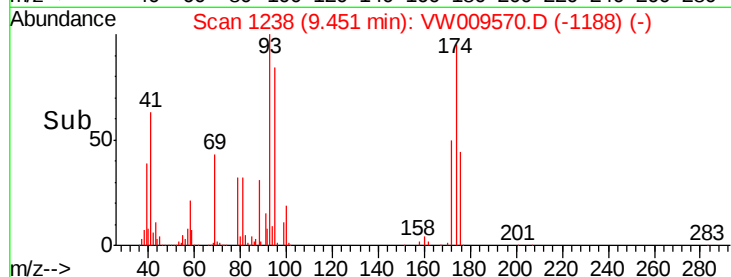
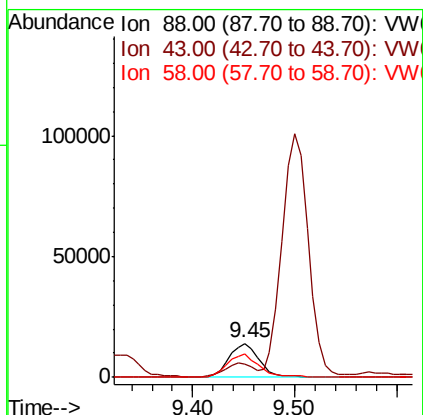
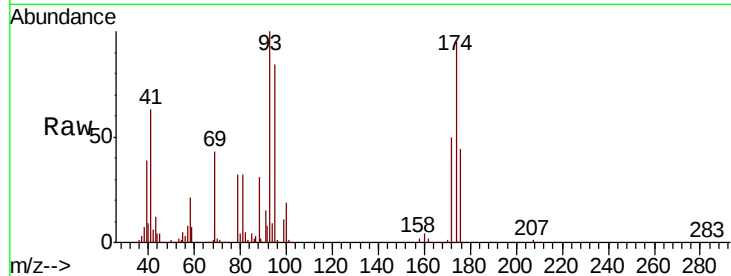




#49
1,4-Dioxane
Concen: 952.146 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

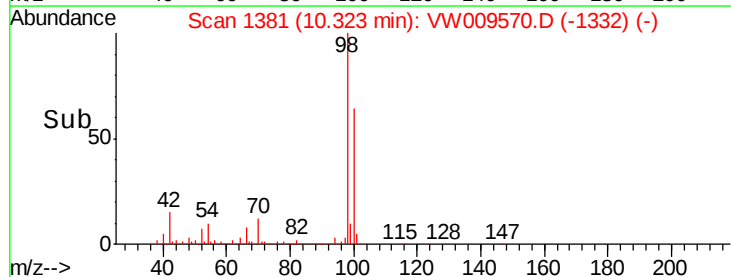
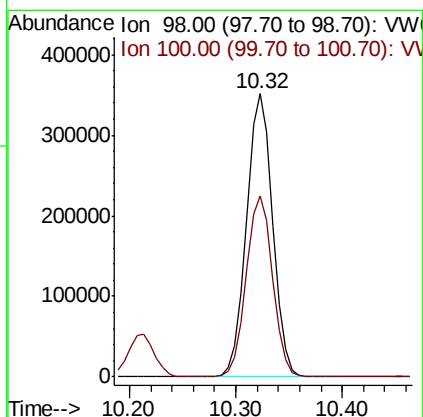
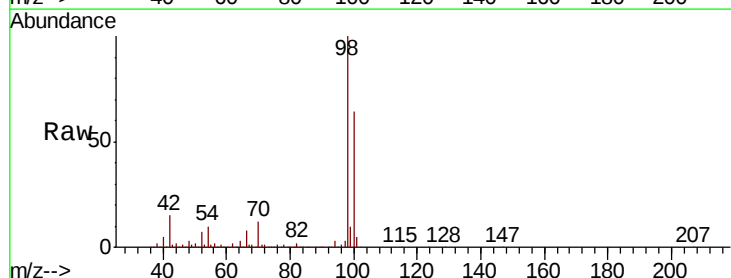
Instrument :
MSVOA_W
ClientSampleId :
ICVW032919

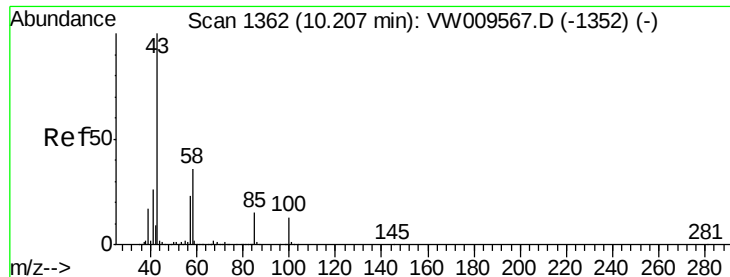
Tgt Ion: 88 Resp: 28628
Ion Ratio Lower Upper
88 100
43 36.1 29.7 44.5
58 74.2 58.1 87.1



#50
Toluene-d8
Concen: 50.262 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Tgt Ion: 98 Resp: 606416
Ion Ratio Lower Upper
98 100
100 64.6 52.6 79.0

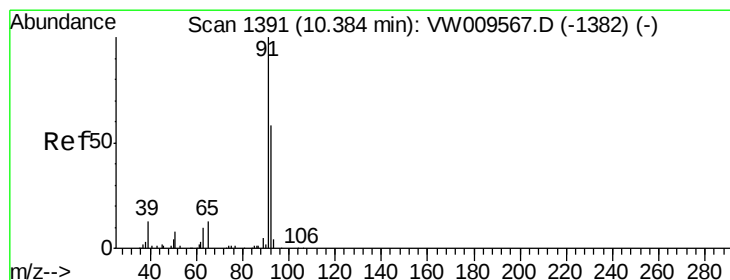
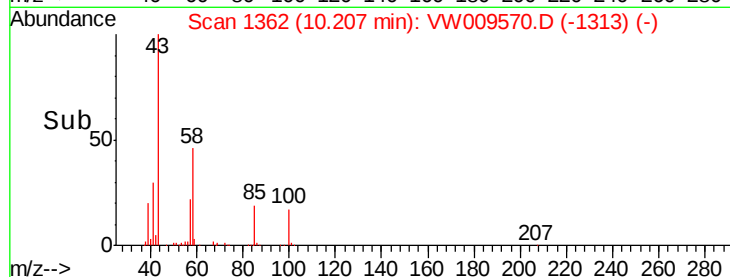
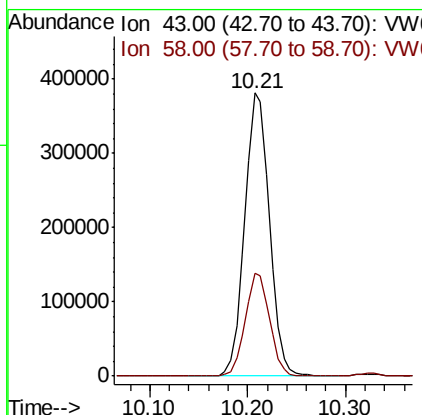
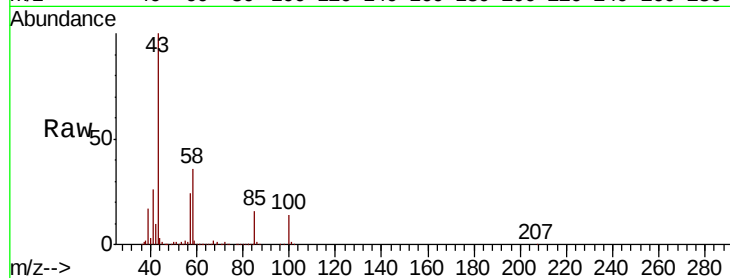




#51
 4-Methyl-2-Pentanone
 Concen: 249.245 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

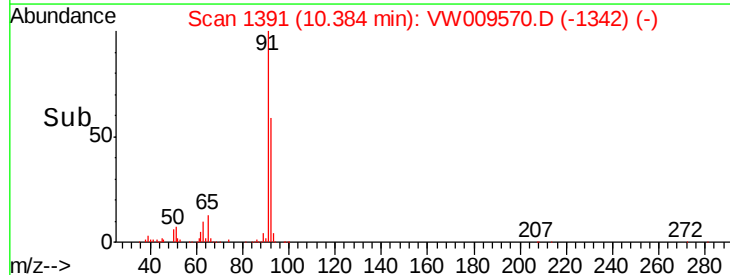
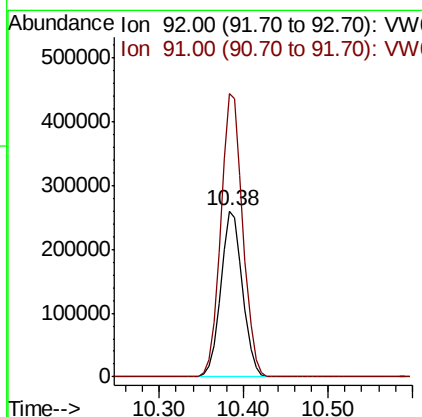
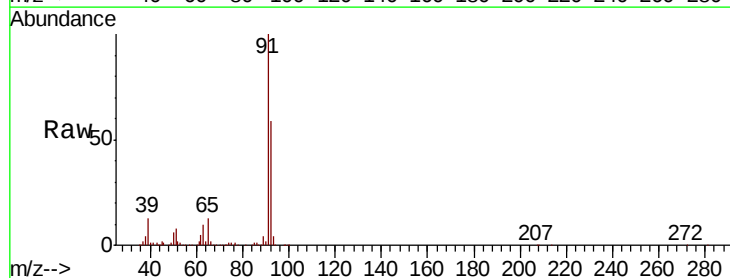
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW032919

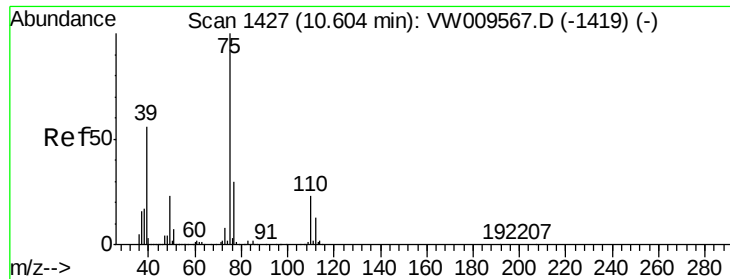
Tgt Ion: 43 Resp: 667468
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.6 42.8



#52
 Toluene
 Concen: 49.974 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Tgt Ion: 92 Resp: 455691
 Ion Ratio Lower Upper
 92 100
 91 172.8 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 50.697 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

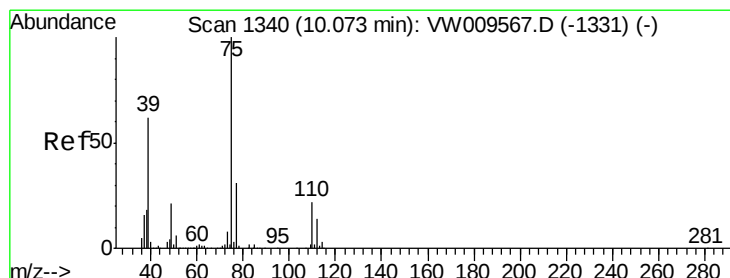
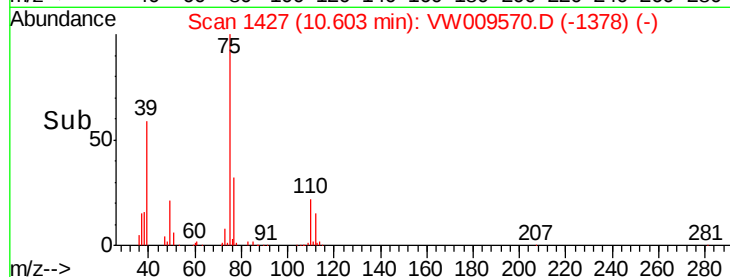
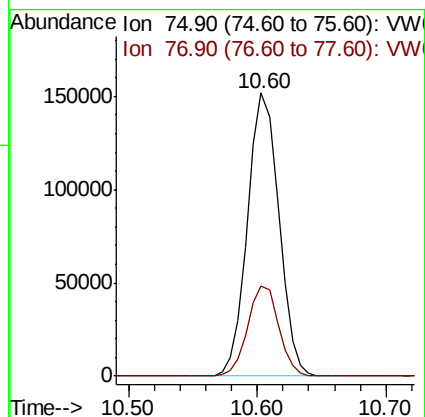
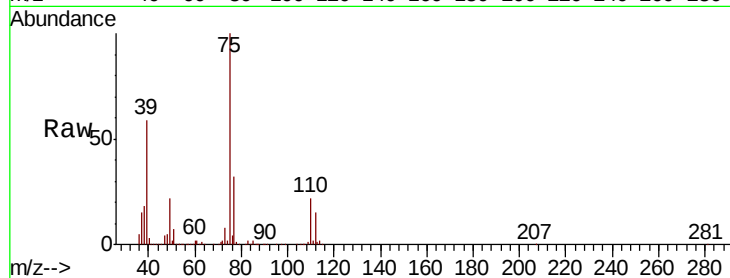
ICVW032919

Tgt Ion: 75 Resp: 255658

Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 51.548 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

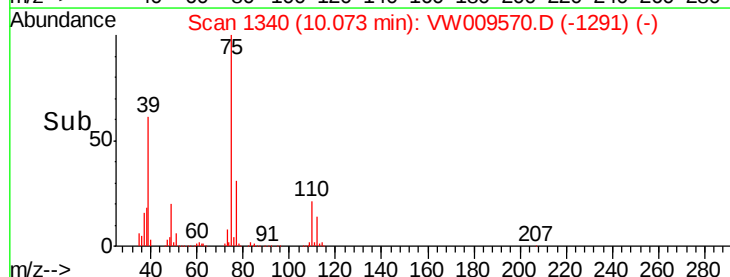
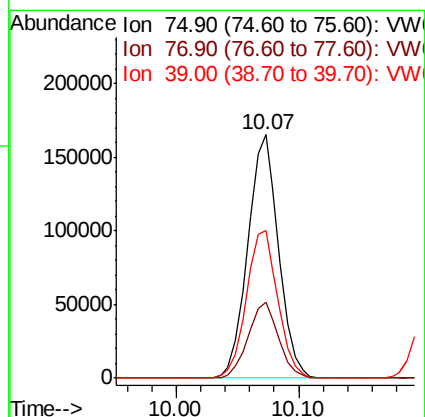
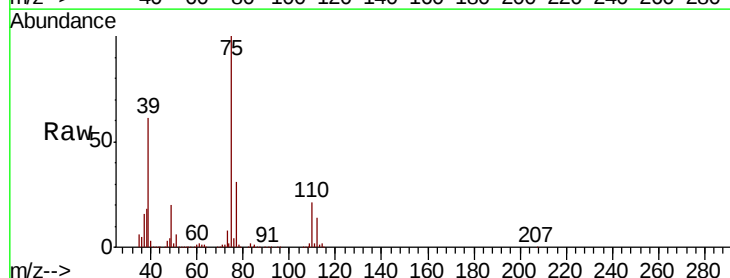
Tgt Ion: 75 Resp: 288223

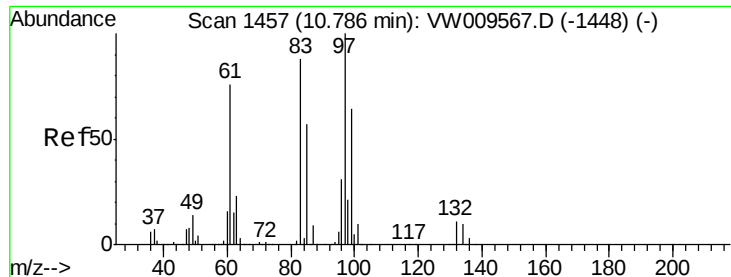
Ion Ratio Lower Upper

75 100

77 31.0 25.9 38.9

39 60.8 46.8 70.2

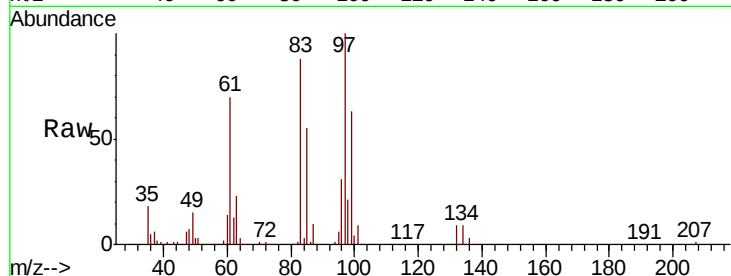




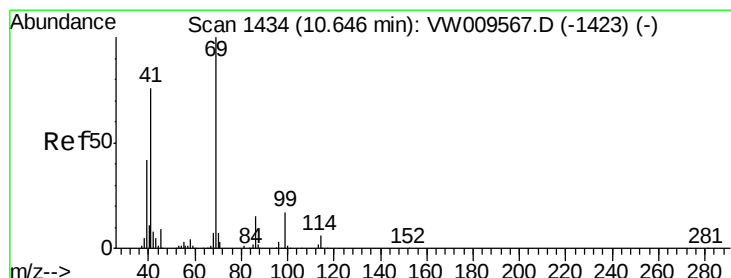
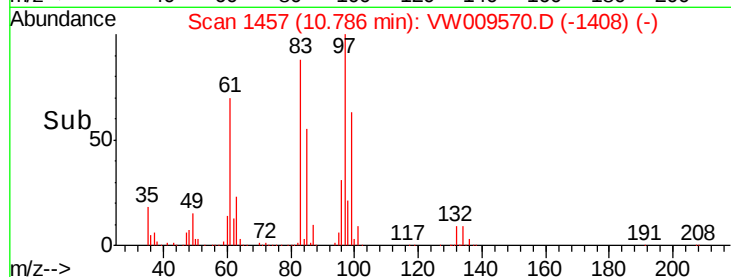
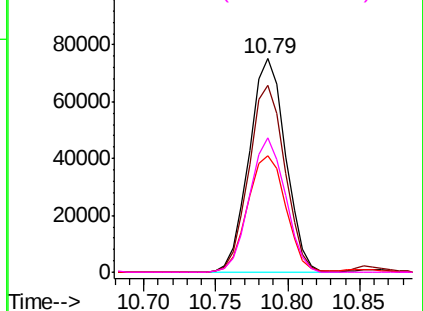
#55
 1,1,2-Trichloroethane
 Concen: 48.308 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW032919

Tgt Ion:	97	Resp:	131834
Ion	Ratio	Lower	Upper
97	100		
83	87.7	66.3	99.5
85	54.7	41.4	62.2
99	62.9	48.7	73.1

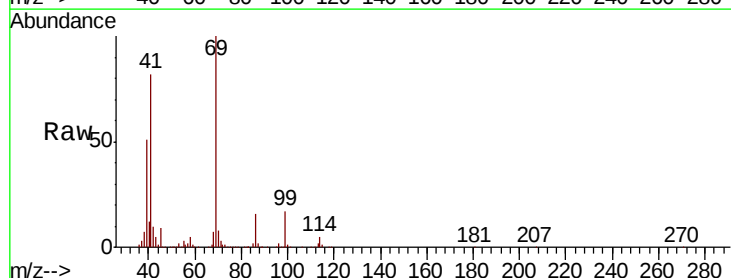


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

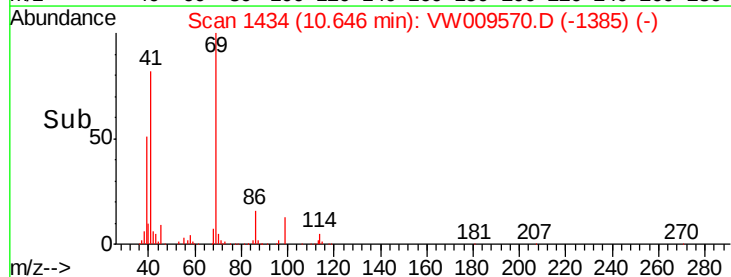
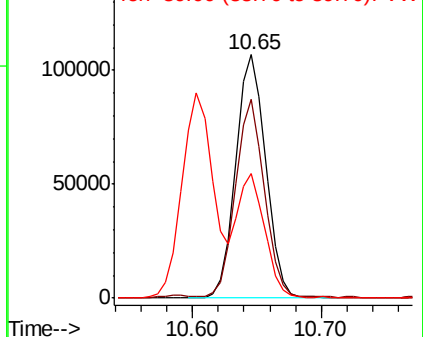


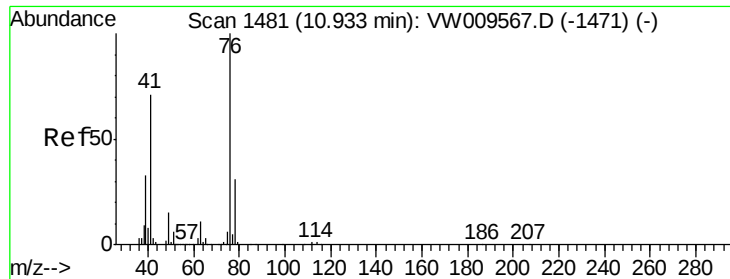
#56
 Ethyl methacrylate
 Concen: 46.044 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Tgt Ion:	69	Resp:	172803
Ion	Ratio	Lower	Upper
69	100		
41	78.4	59.3	88.9
39	46.1	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

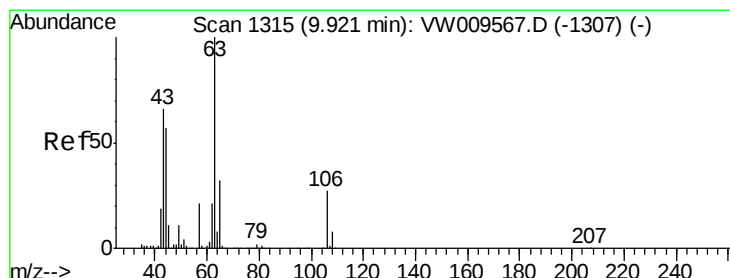
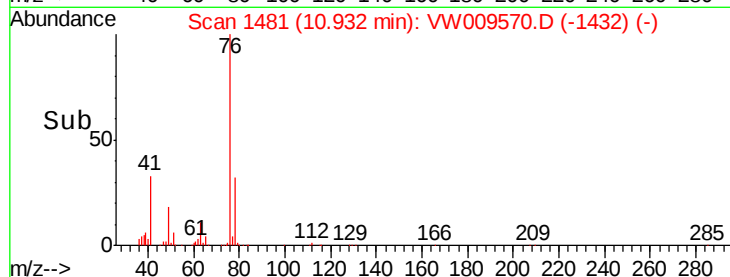
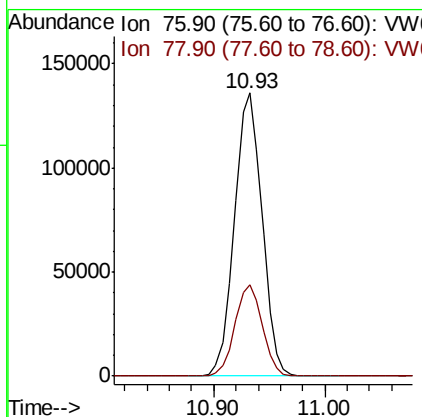
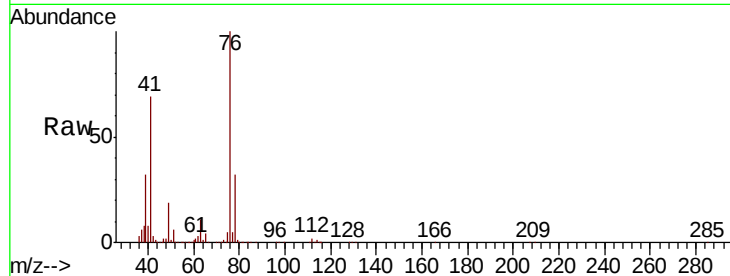




#57
 1,3-Dichloropropane
 Concen: 48.259 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

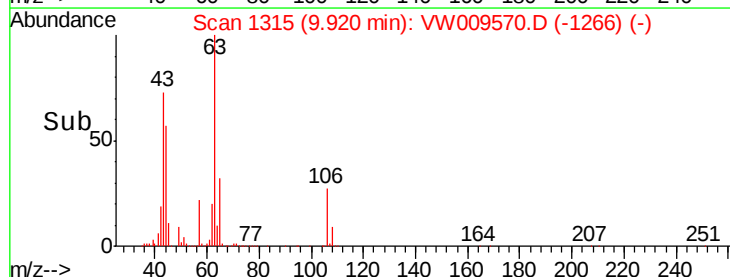
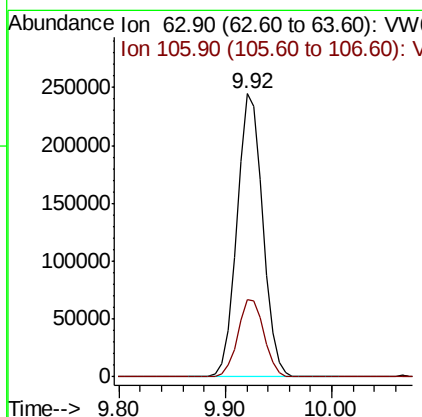
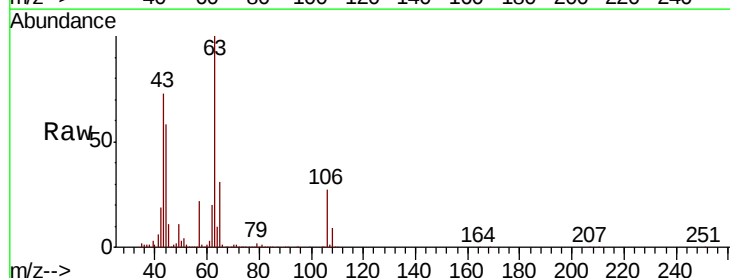
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW032919

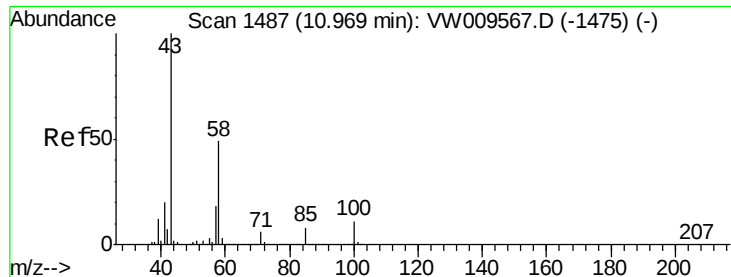
Tgt Ion: 76 Resp: 233451
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.100 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Tgt Ion: 63 Resp: 416420
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.9 34.3

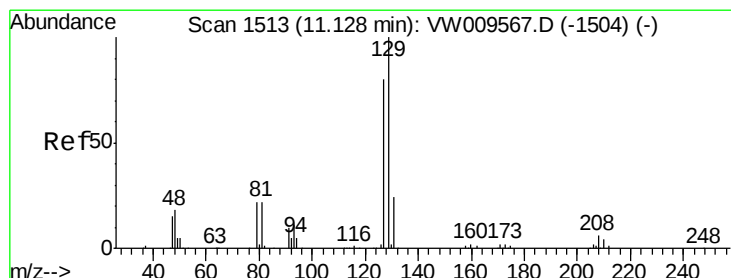
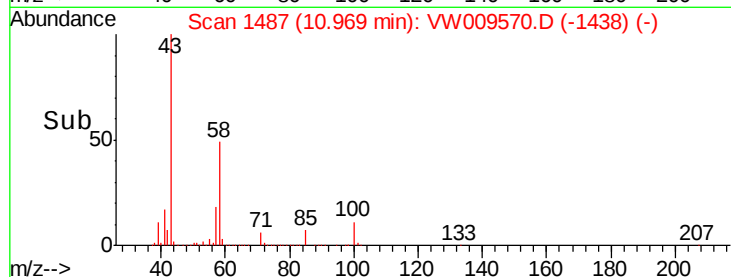
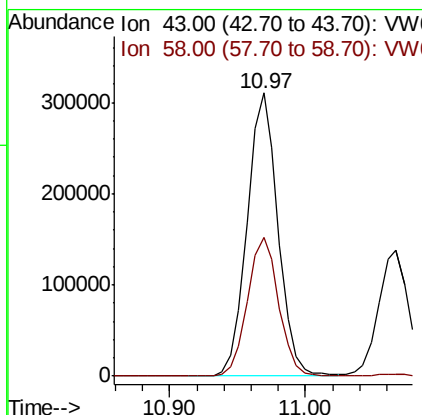
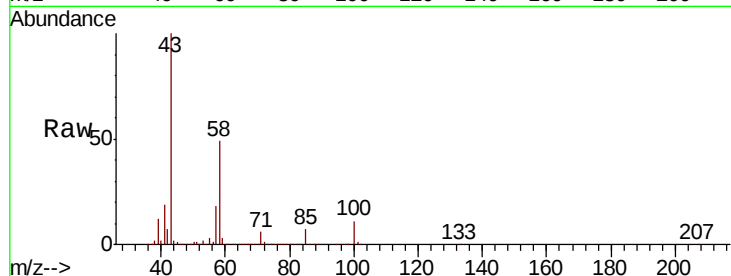




#59
2-Hexanone
Concen: 265.095 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

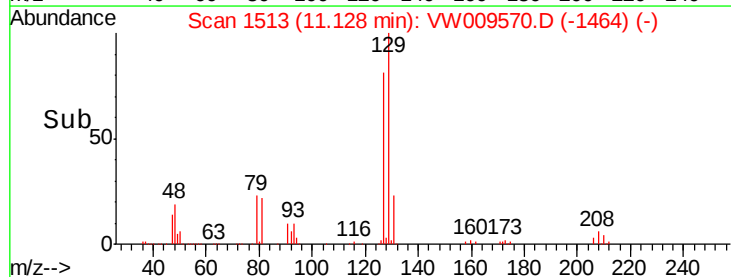
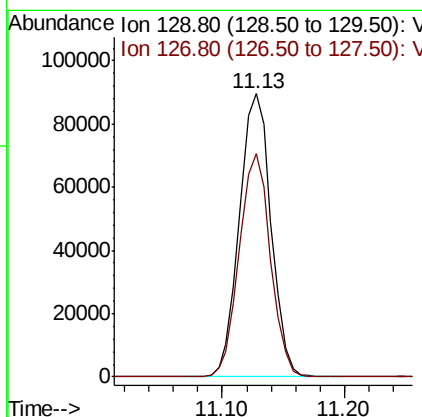
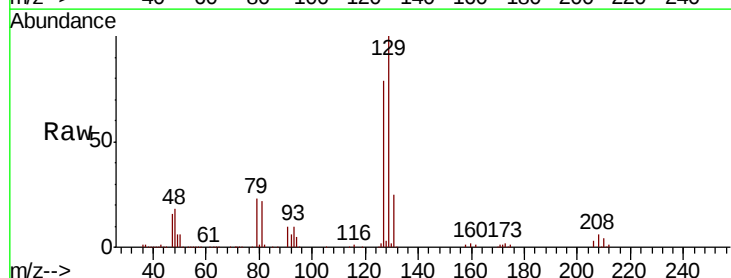
Instrument :
MSVOA_W
ClientSampleId :
ICVW032919

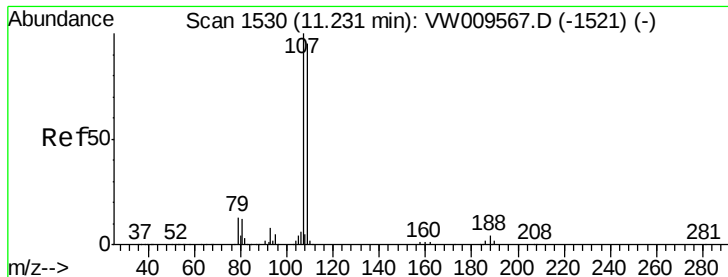
Tgt Ion: 43 Resp: 491311
Ion Ratio Lower Upper
43 100
58 49.9 24.2 72.6



#60
Dibromochloromethane
Concen: 48.721 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Tgt Ion: 129 Resp: 160550
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.5





#61

1,2-Dibromoethane

Concen: 48.919 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

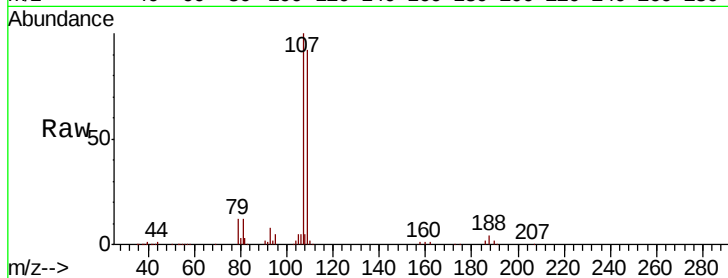
ICVW032919

Tgt Ion: 107 Resp: 128023

Ion Ratio Lower Upper

107 100

109 91.8 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

80000

60000

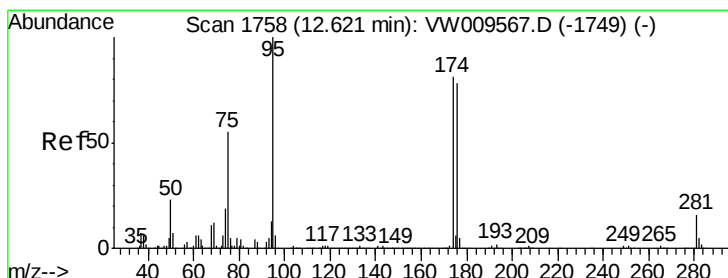
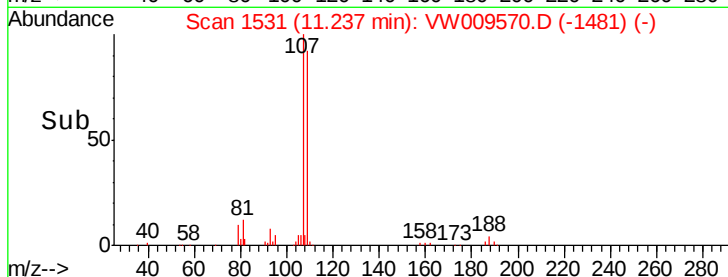
40000

20000

0

11.20 11.30

Time-->



#62

4-Bromofluorobenzene

Concen: 50.926 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

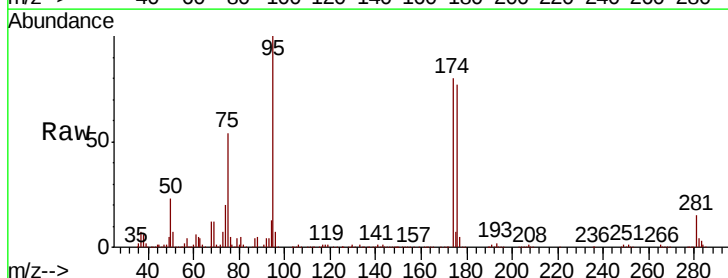
Tgt Ion: 95 Resp: 229215

Ion Ratio Lower Upper

95 100

174 78.2 0.0 168.4

176 76.8 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

200000

150000

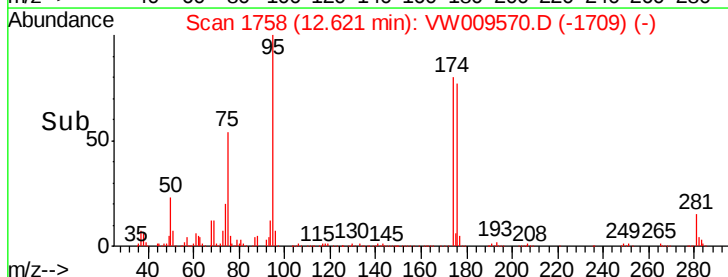
100000

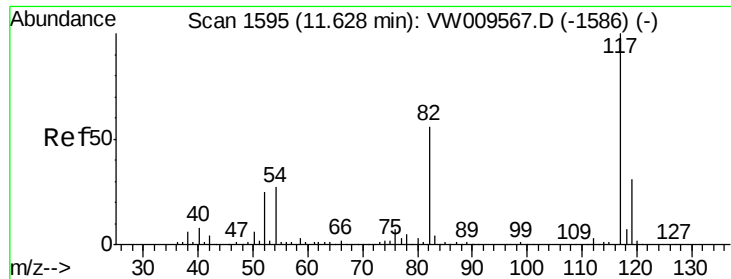
50000

0

12.60 12.70

Time-->

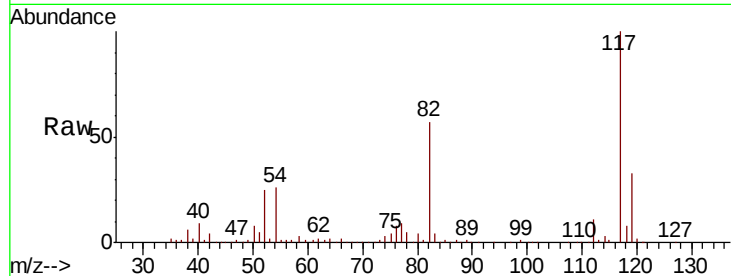




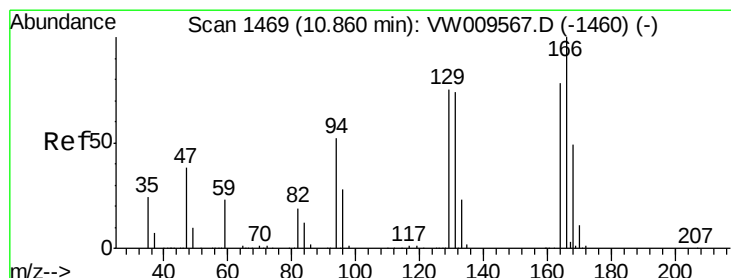
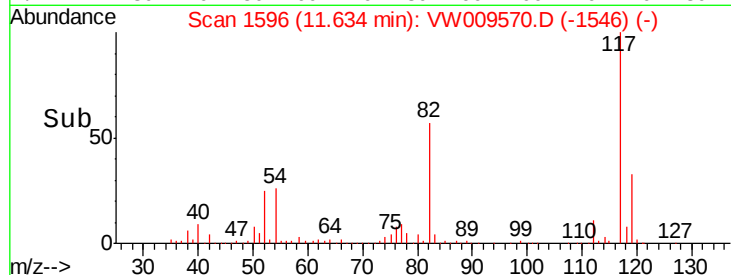
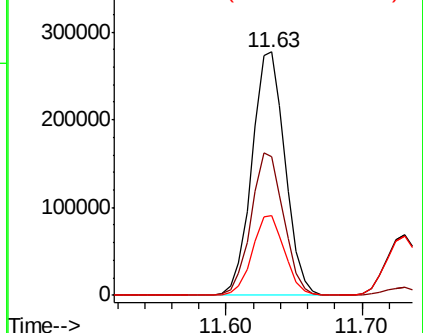
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Instrument :
MSVOA_W
ClientSampleId :
ICVW032919

Tgt Ion:117 Resp: 473608
Ion Ratio Lower Upper
117 100
82 56.8 43.6 65.4
119 32.5 26.0 39.0

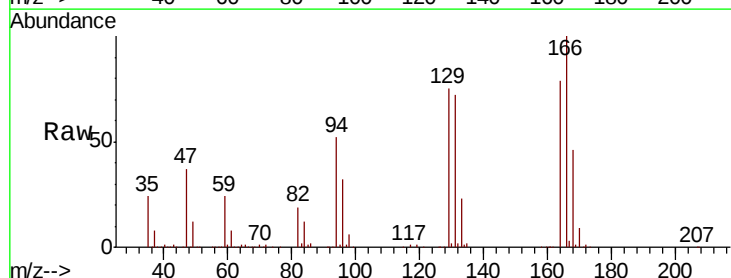


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

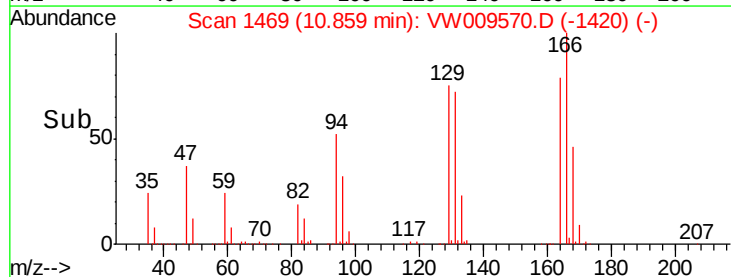
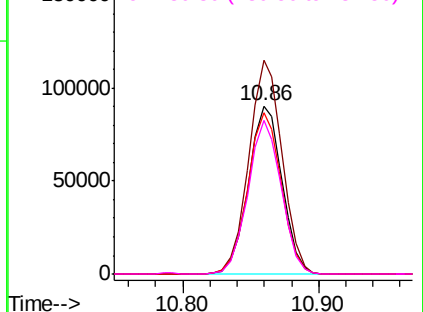


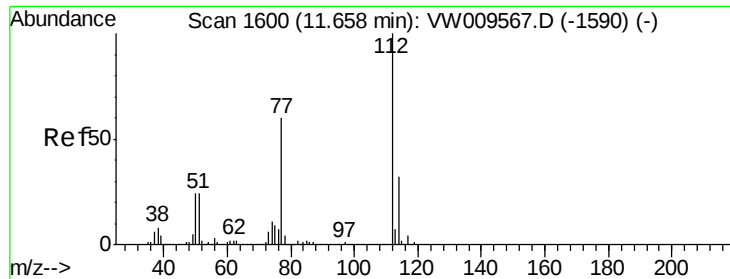
#64
Tetrachloroethene
Concen: 48.648 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Tgt Ion:164 Resp: 156434
Ion Ratio Lower Upper
164 100
166 127.1 100.9 151.3
129 95.7 72.0 108.0
131 91.2 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

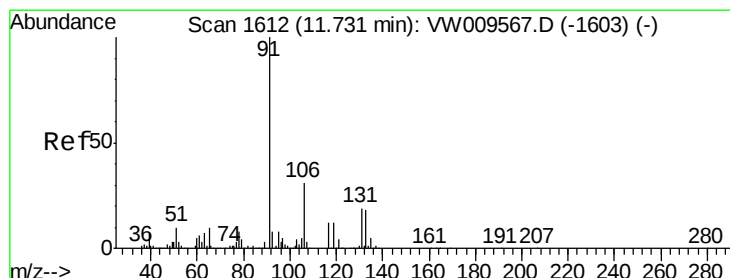
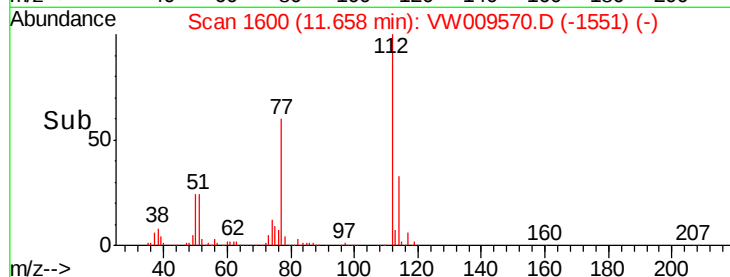
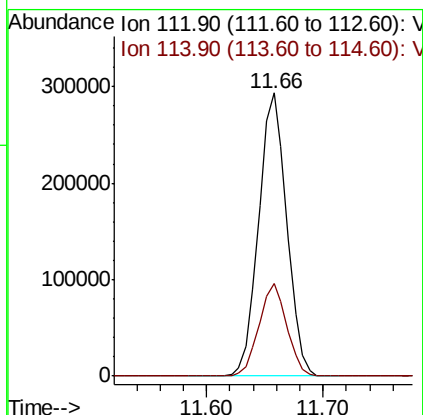
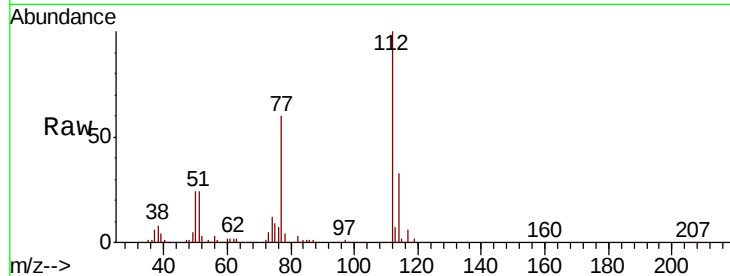




#65
Chlorobenzene
Concen: 49.139 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

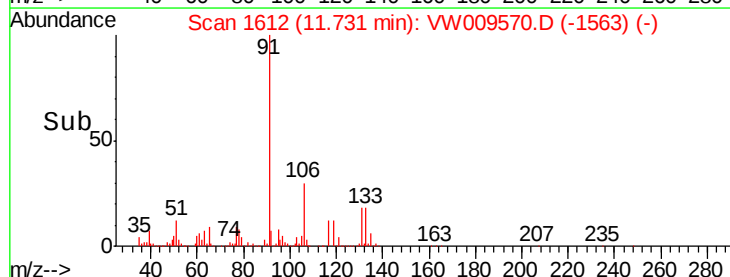
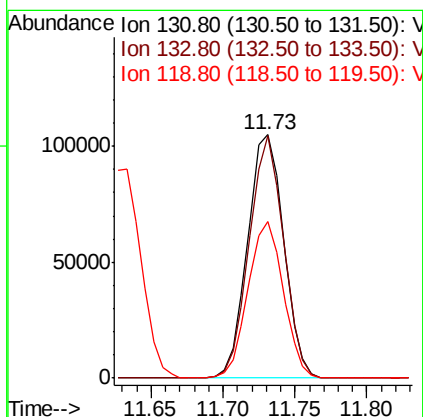
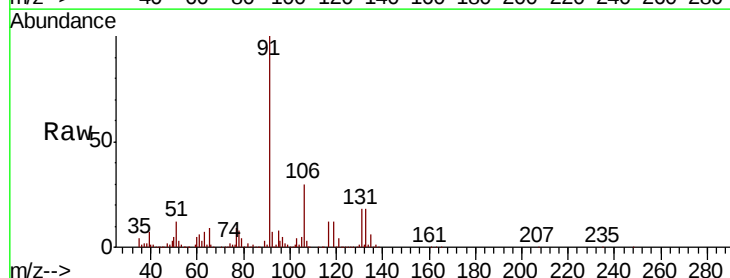
Instrument :
MSVOA_W
ClientSampleId :
ICVW032919

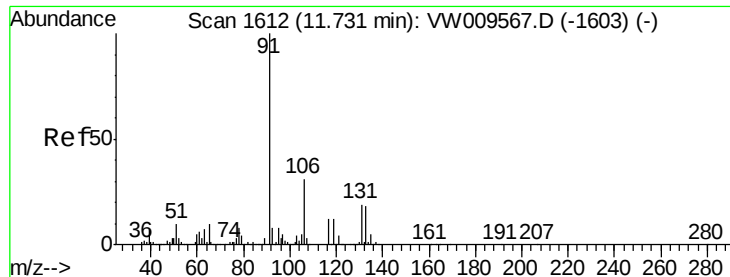
Tgt Ion:112 Resp: 490150
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.040 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Tgt Ion:131 Resp: 181864
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.8
119 63.1 31.6 95.0





#67

Ethyl Benzene

Concen: 52.123 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

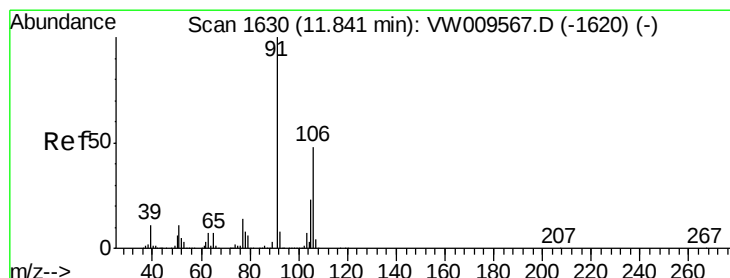
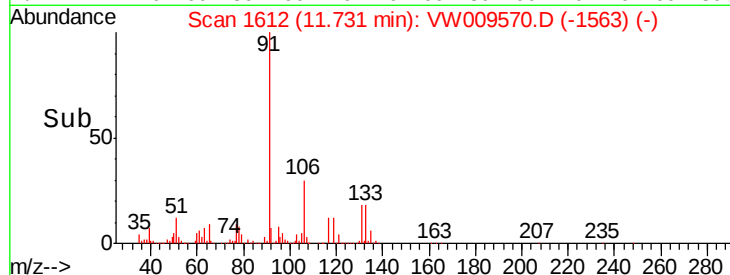
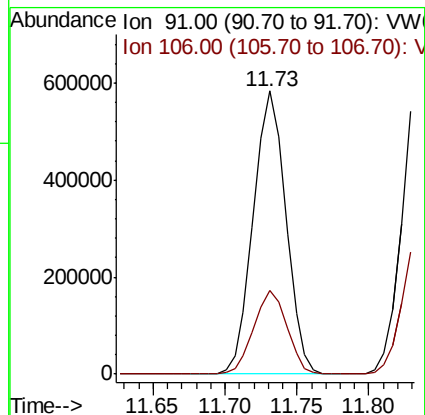
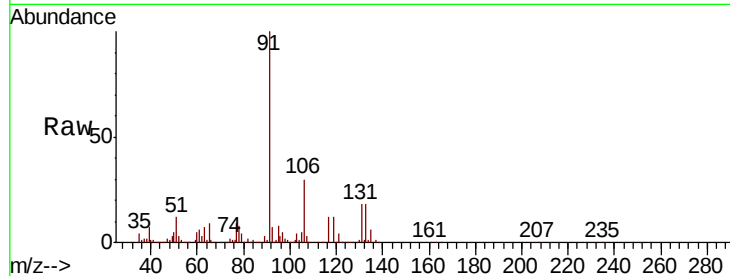
ICVW032919

Tgt Ion: 91 Resp: 916007

Ion Ratio Lower Upper

91 100

106 29.5 24.6 36.8



#68

m/p-Xylenes

Concen: 103.327 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009570.D

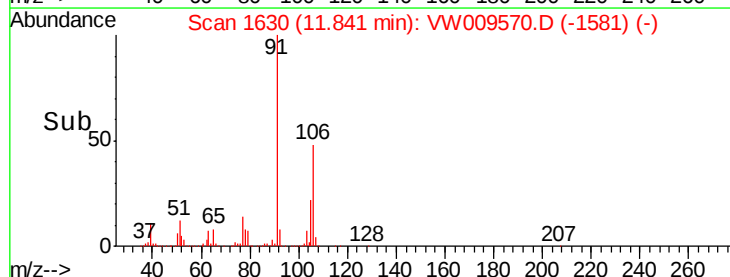
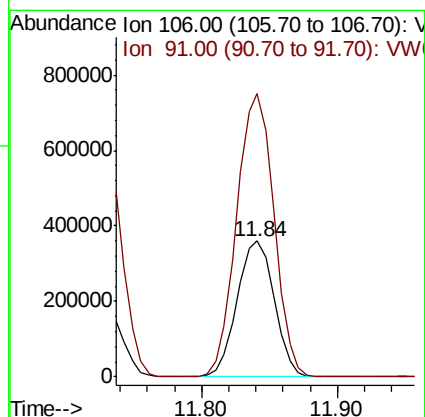
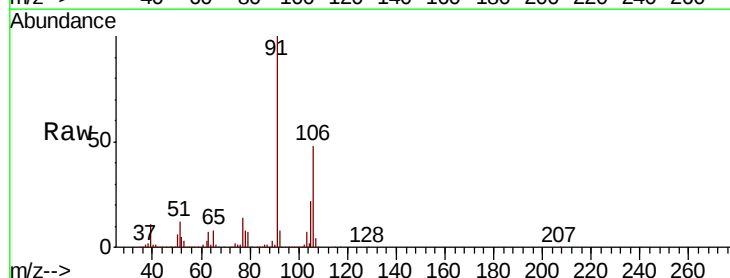
Acq: 29 Mar 2019 12:51

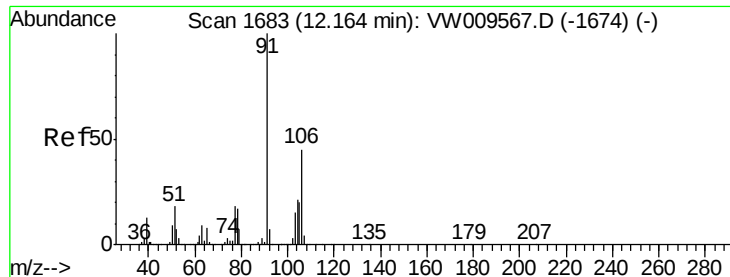
Tgt Ion: 106 Resp: 689491

Ion Ratio Lower Upper

106 100

91 208.5 163.1 244.7

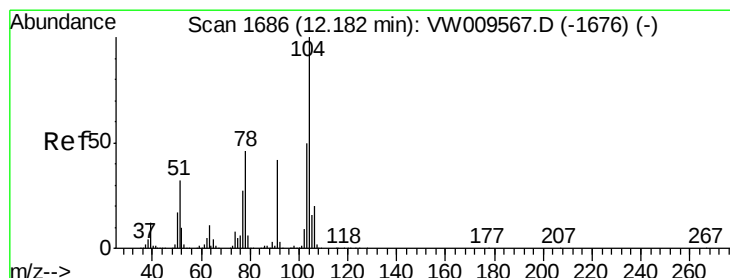
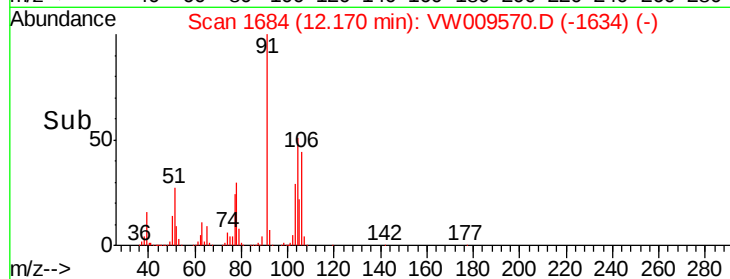
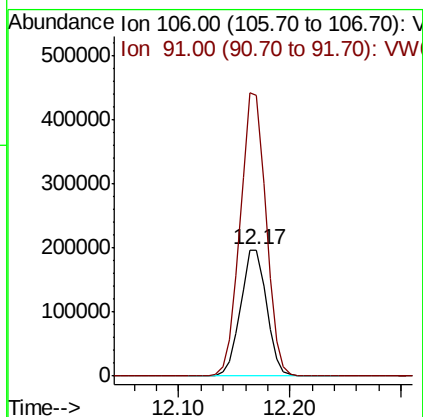
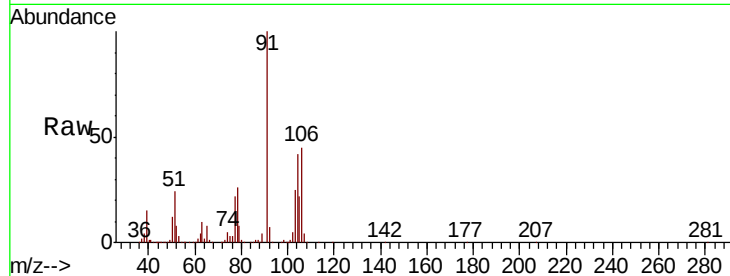




#69
o-Xylene
Concen: 51.629 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

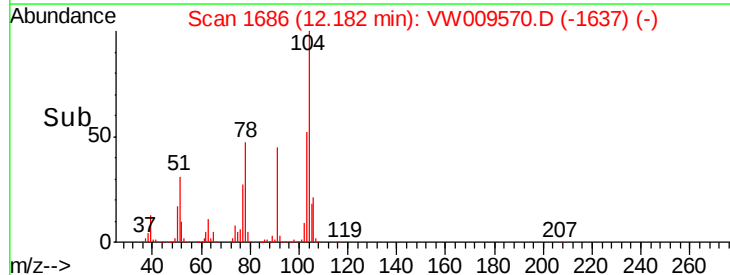
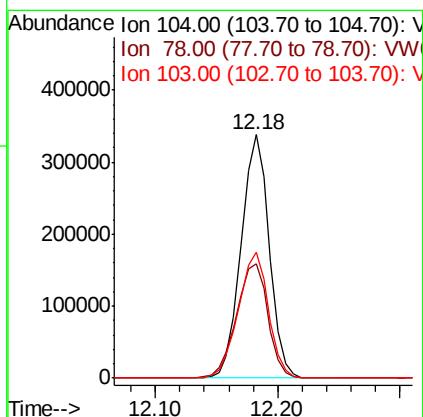
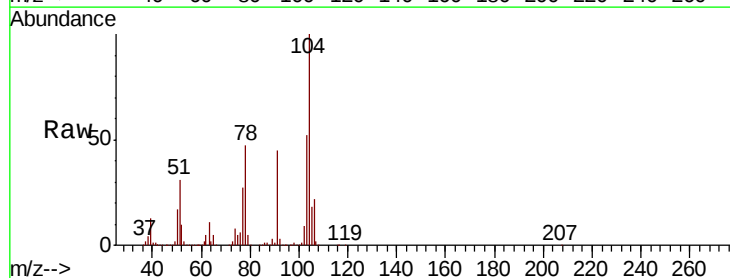
Instrument :
MSVOA_W
ClientSampleId :
ICVW032919

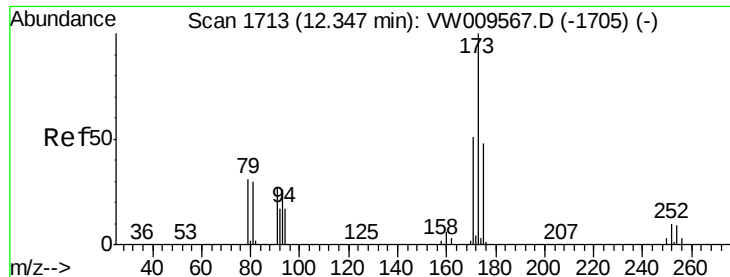
Tgt Ion:106 Resp: 320834
Ion Ratio Lower Upper
106 100
91 222.5 108.6 325.8



#70
Styrene
Concen: 51.721 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Tgt Ion:104 Resp: 536845
Ion Ratio Lower Upper
104 100
78 52.7 42.2 63.4
103 55.8 44.6 66.8

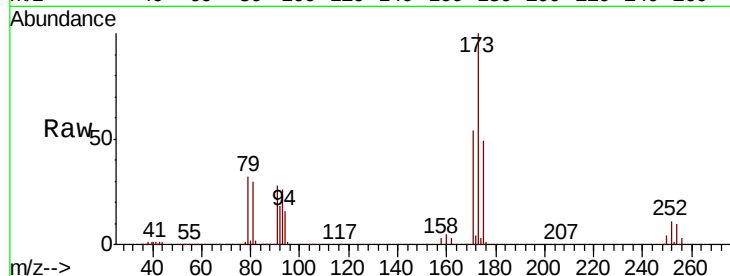




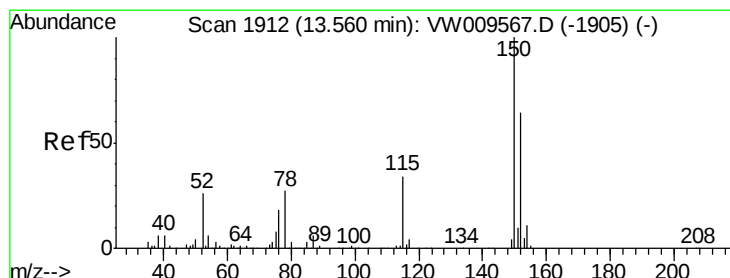
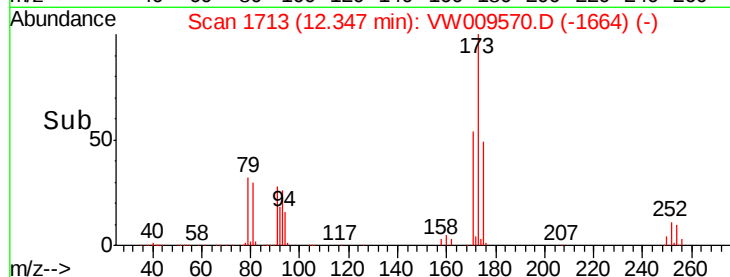
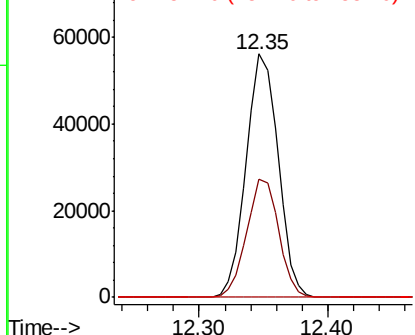
#71
Bromoform
Concen: 49.370 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Instrument :
MSVOA_W
ClientSampleId :
ICVW032919

Tgt Ion:173 Resp: 96560
Ion Ratio Lower Upper
173 100
175 48.6 24.1 72.4
254 0.1 0.2 0.4#

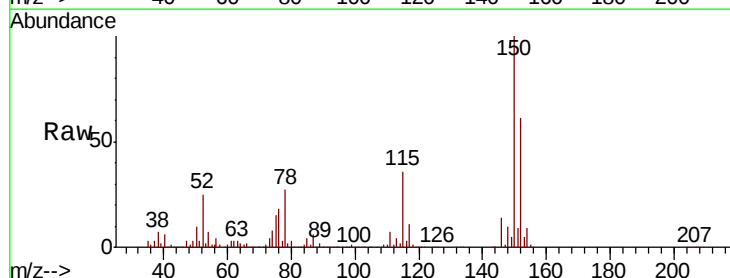


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

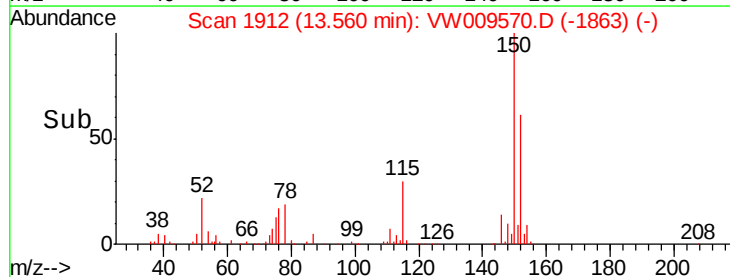
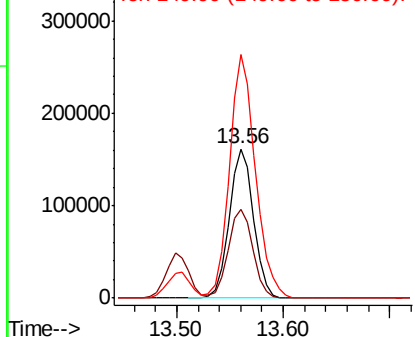


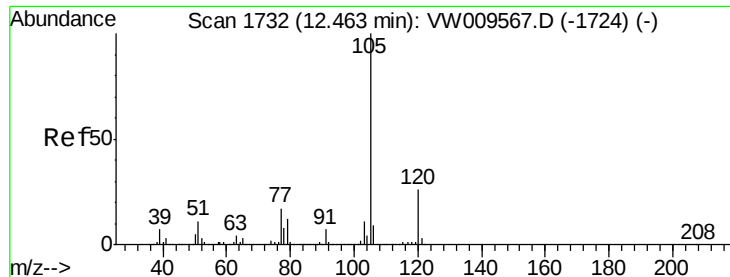
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Tgt Ion:152 Resp: 256808
Ion Ratio Lower Upper
152 100
115 60.1 29.6 88.8
150 175.0 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: 53.257 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

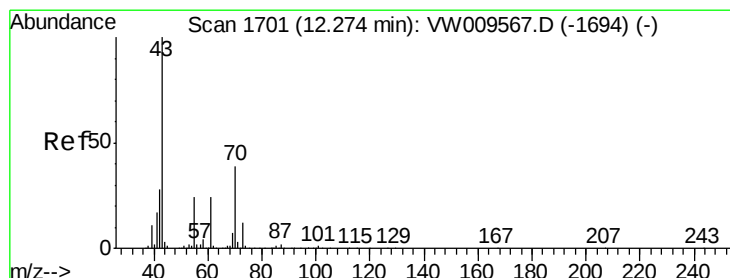
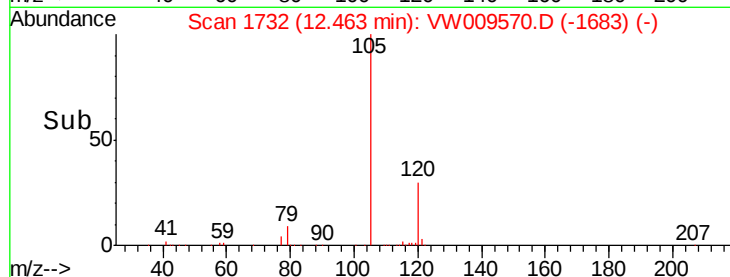
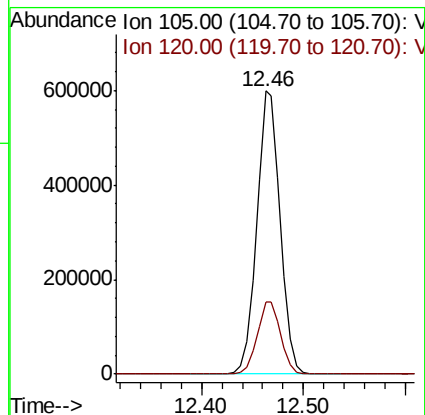
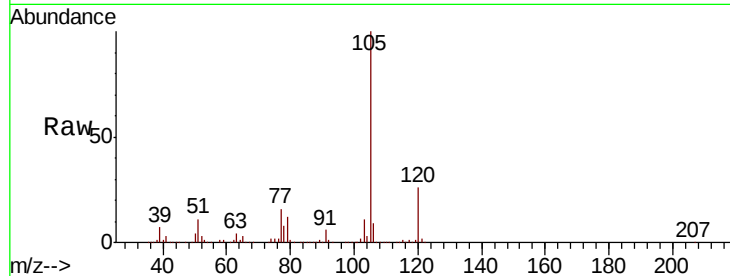
ICVW032919

Tgt Ion:105 Resp: 951798

Ion Ratio Lower Upper

105 100

120 25.8 13.0 39.0



#74

N-ethyl acetate

Concen: 51.664 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Tgt Ion: 43 Resp: 243415

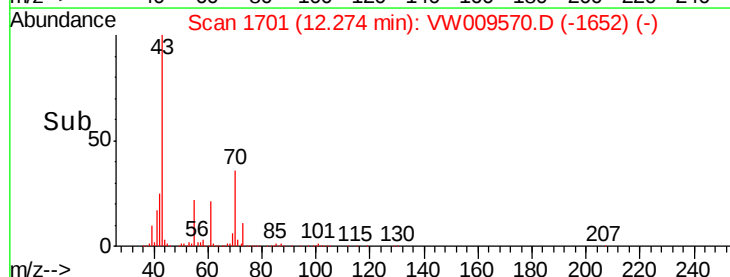
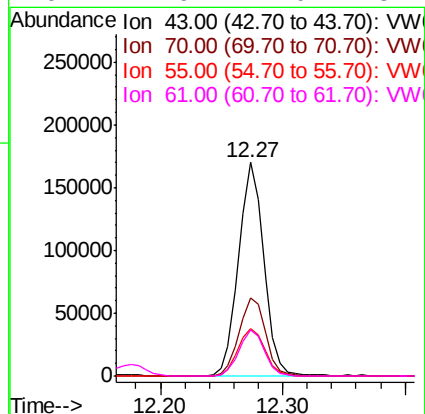
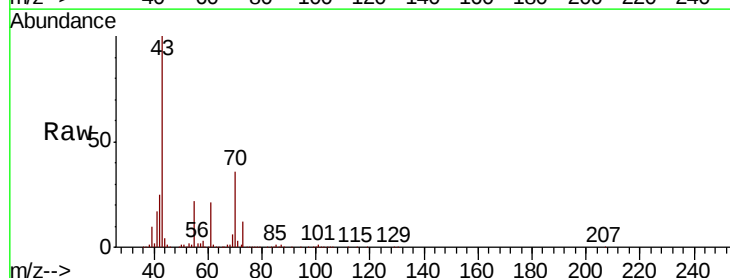
Ion Ratio Lower Upper

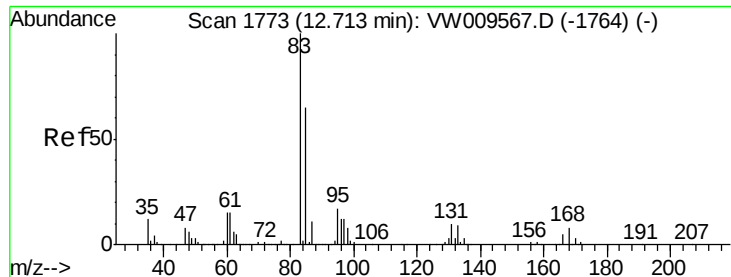
43 100

70 38.2 30.6 46.0

55 23.9 19.3 28.9

61 21.9 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.976 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW032919

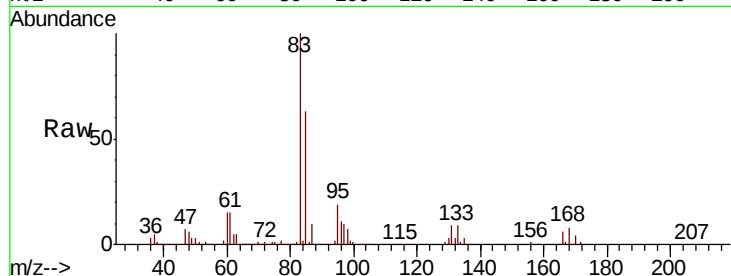
Tgt Ion: 83 Resp: 165528

Ion Ratio Lower Upper

83 100

131 10.0 5.3 16.1

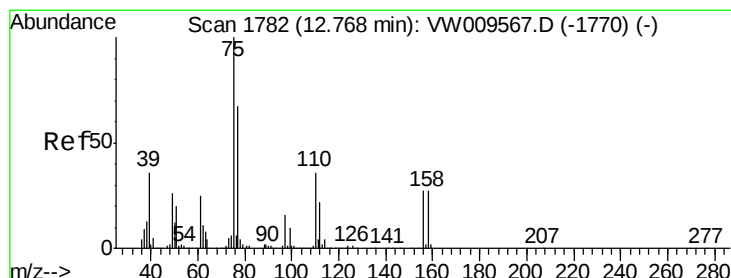
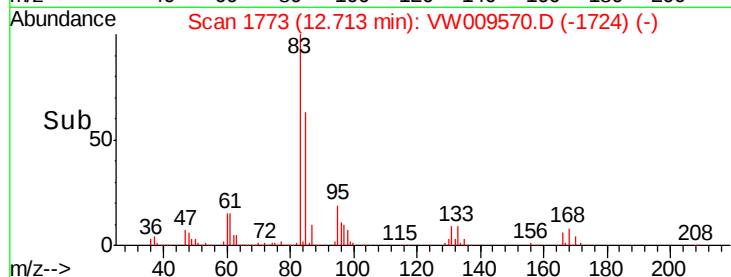
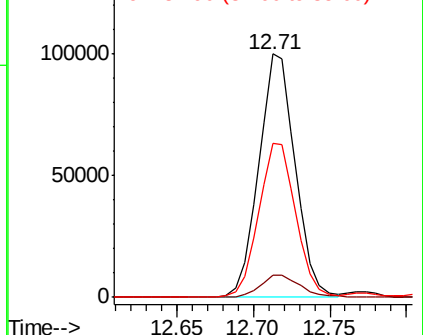
85 64.2 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 94.476 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009570.D

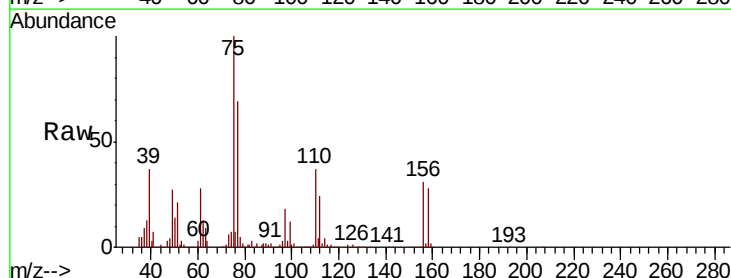
Acq: 29 Mar 2019 12:51

Tgt Ion: 75 Resp: 228160

Ion Ratio Lower Upper

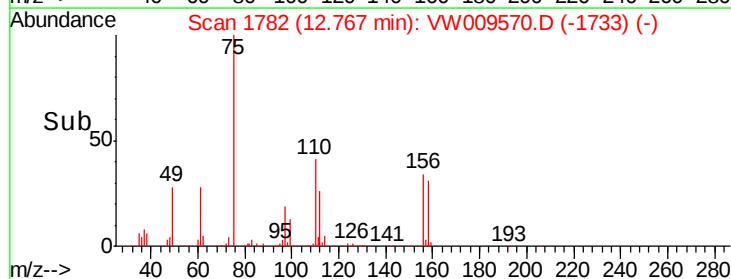
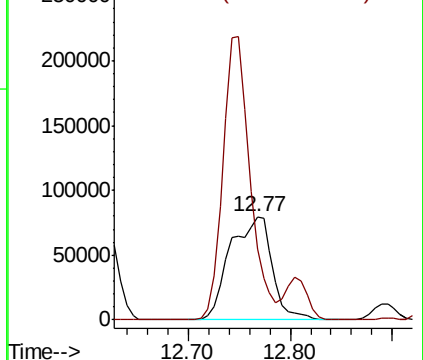
75 100

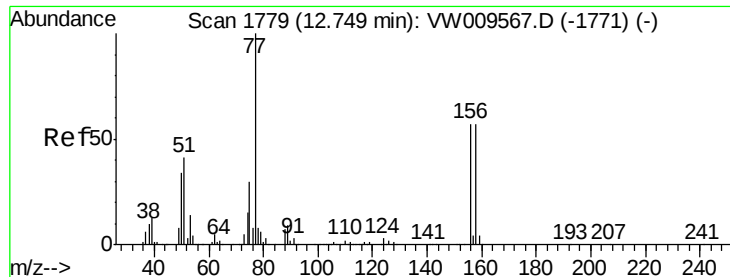
77 177.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.404 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW032919

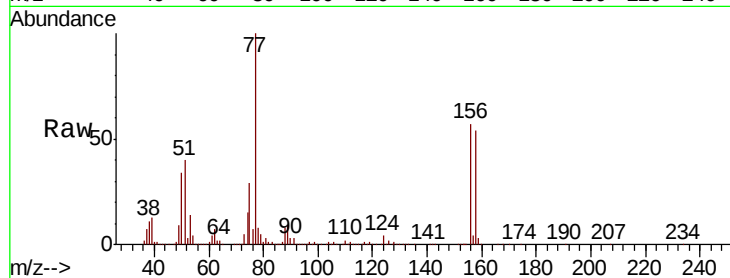
Tgt Ion:156 Resp: 203329

Ion Ratio Lower Upper

156 100

77 198.9 96.0 288.0

158 96.6 49.1 147.3

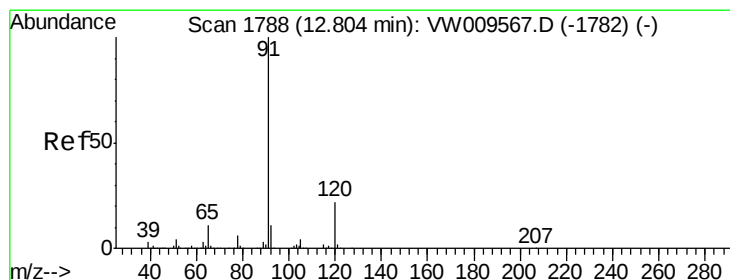
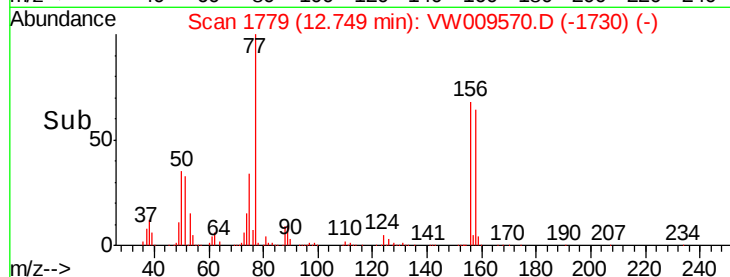
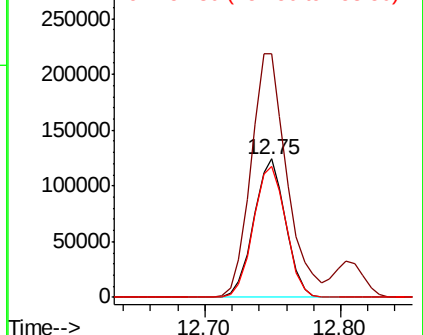


Abundance

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: 52.746 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009570.D

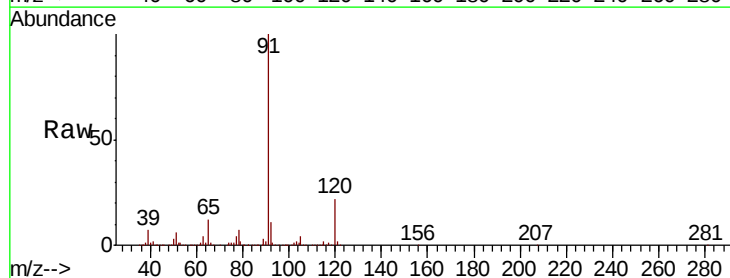
Acq: 29 Mar 2019 12:51

Tgt Ion: 91 Resp: 1162420

Ion Ratio Lower Upper

91 100

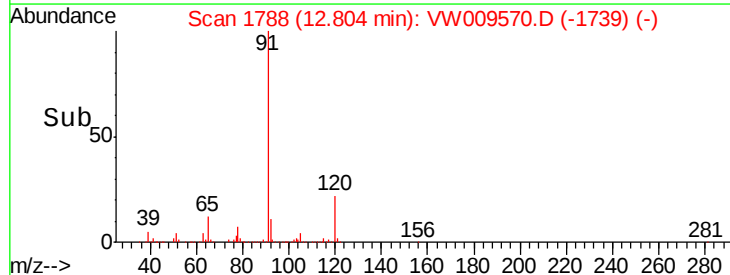
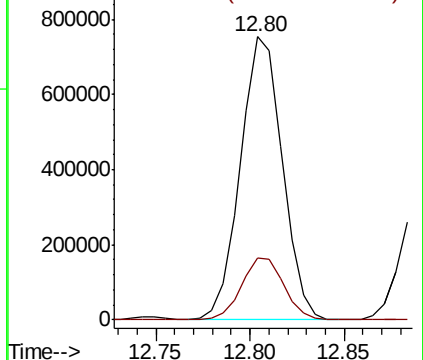
120 22.2 11.1 33.3

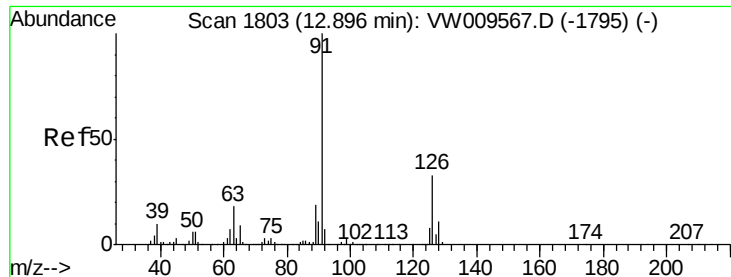


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.266 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

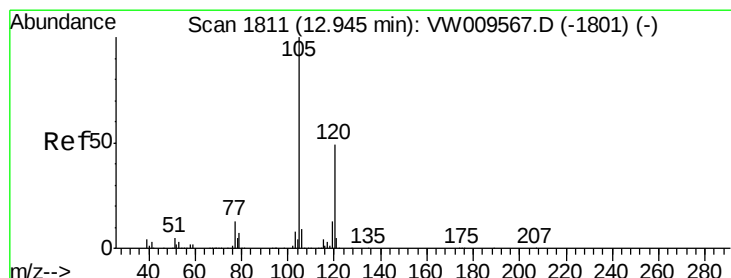
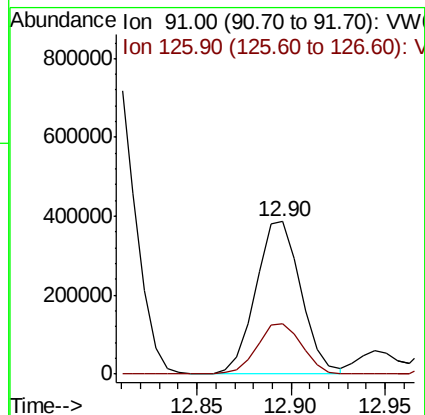
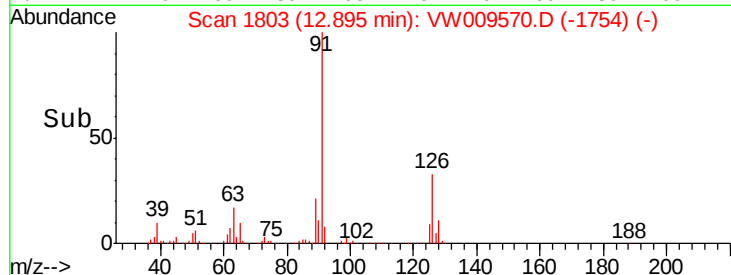
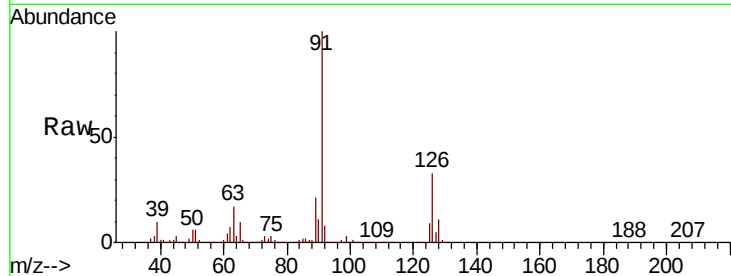
ICVW032919

Tgt Ion: 91 Resp: 642067

Ion Ratio Lower Upper

91 100

126 32.9 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 52.715 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009570.D

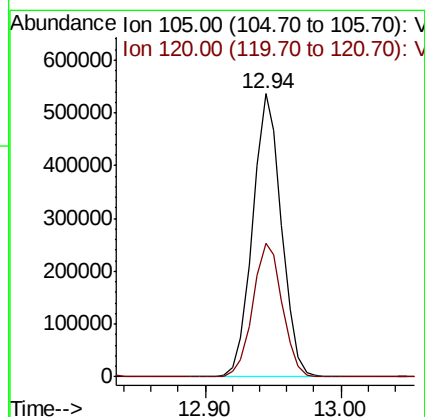
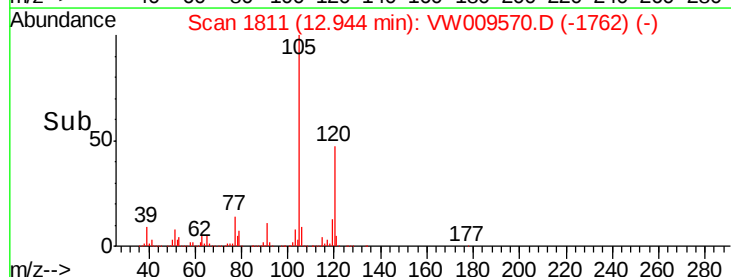
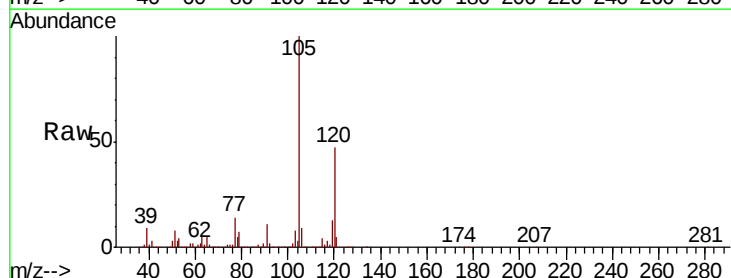
Acq: 29 Mar 2019 12:51

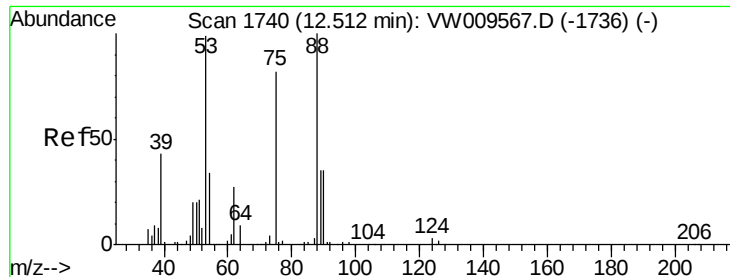
Tgt Ion: 105 Resp: 793407

Ion Ratio Lower Upper

105 100

120 48.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.009 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW032919

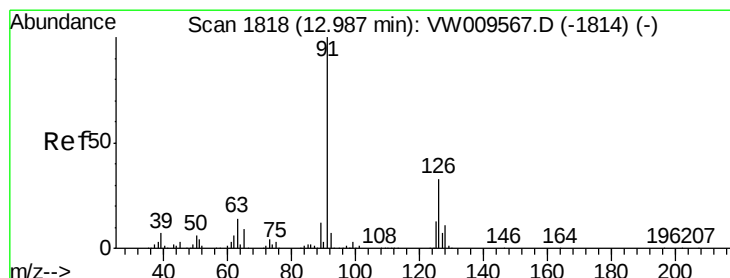
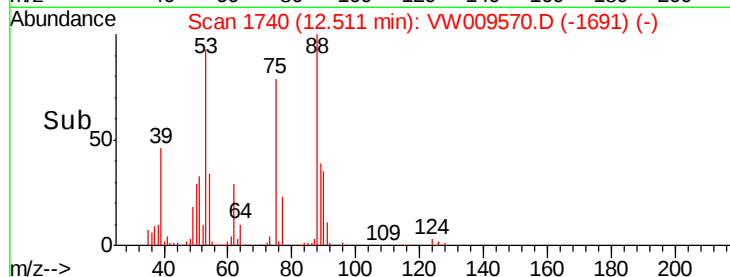
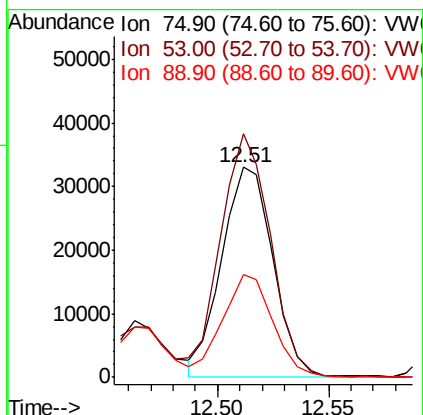
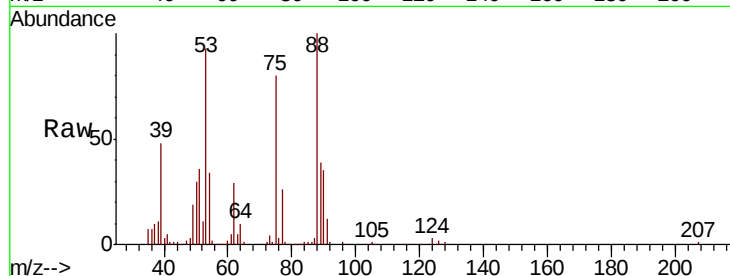
Tgt Ion: 75 Resp: 52973

Ion Ratio Lower Upper

75 100

53 114.6 86.7 130.1

89 48.2 36.4 54.6



#82

4-Chlorotoluene

Concen: 51.630 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW009570.D

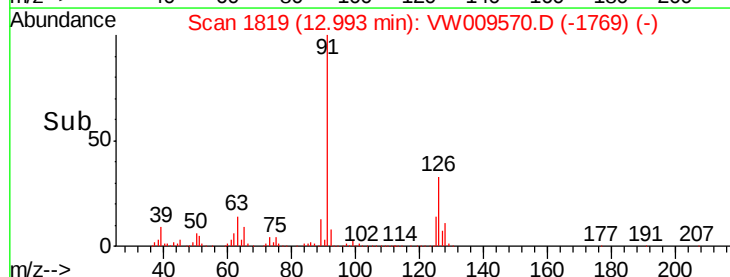
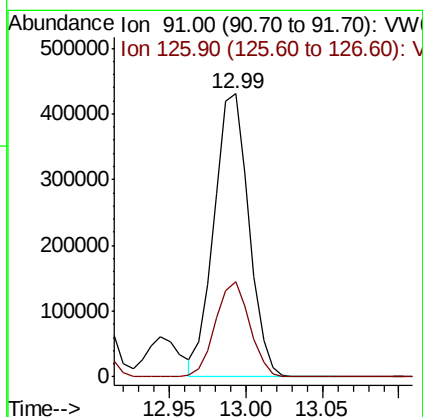
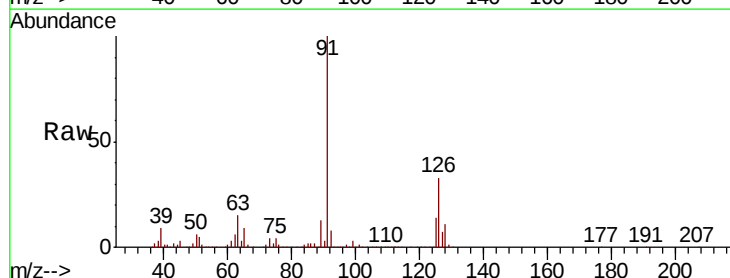
Acq: 29 Mar 2019 12:51

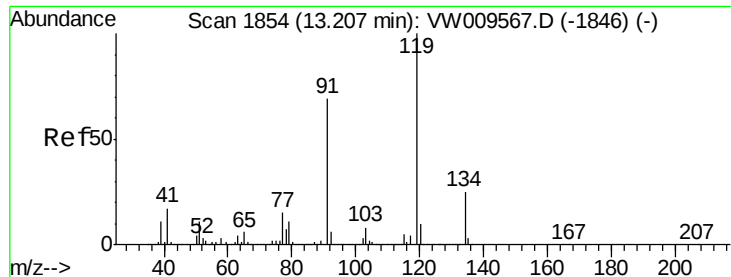
Tgt Ion: 91 Resp: 680514

Ion Ratio Lower Upper

91 100

126 33.0 16.9 50.6

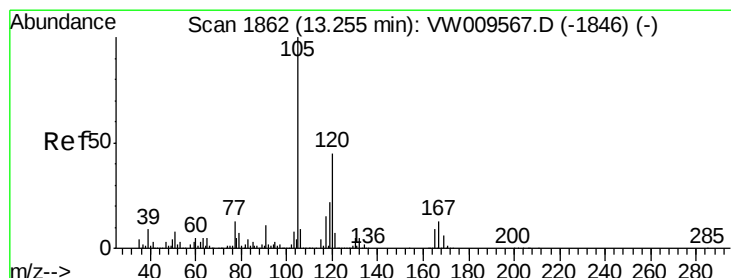
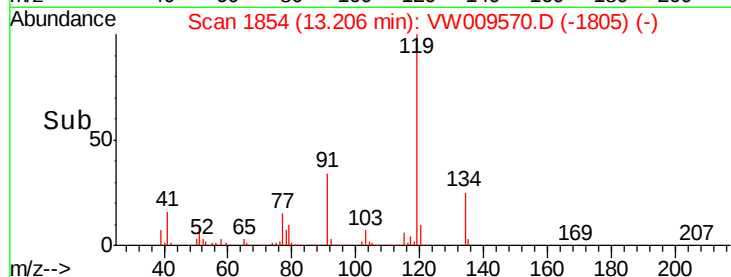
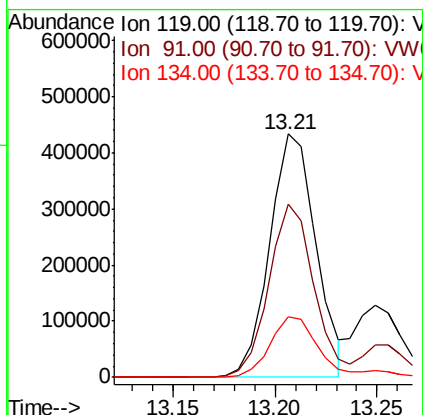
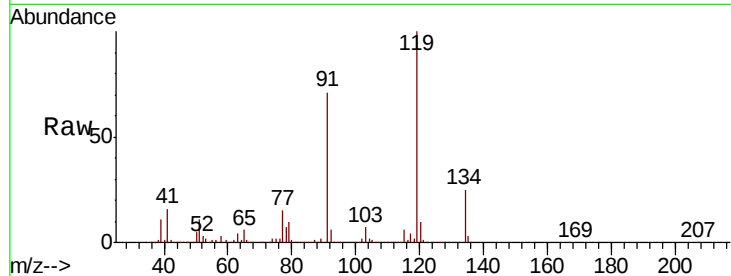




#83
tert-Butylbenzene
Concen: 53.554 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

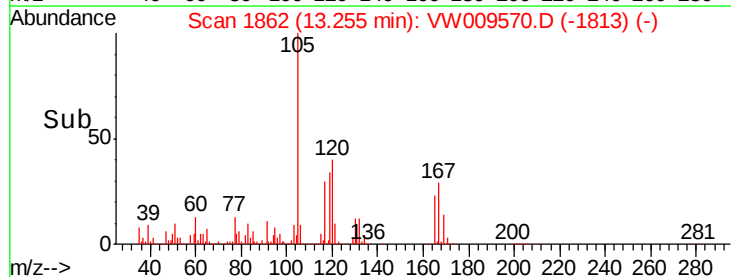
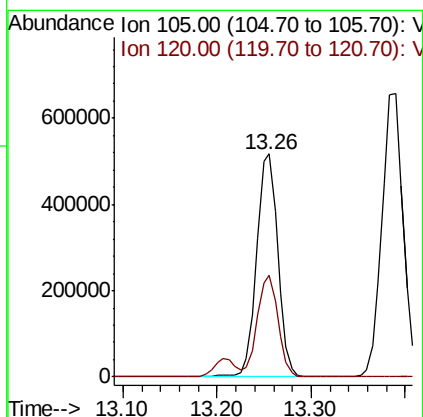
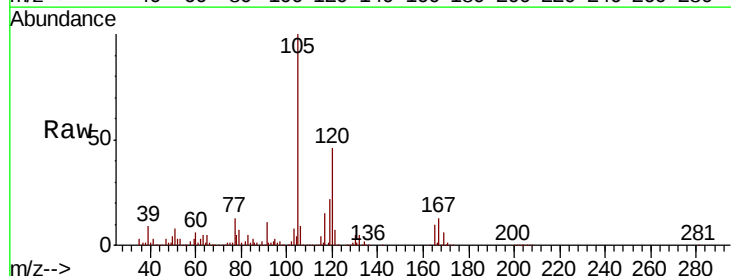
Instrument :
MSVOA_W
ClientSampleId :
ICVW032919

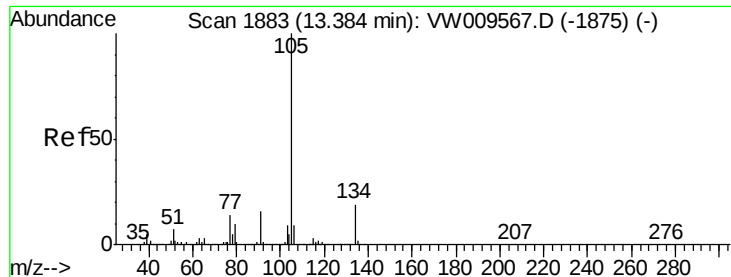
Tgt Ion:119 Resp: 686150
Ion Ratio Lower Upper
119 100
91 69.6 34.4 103.2
134 27.3 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 52.575 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Tgt Ion:105 Resp: 813472
Ion Ratio Lower Upper
105 100
120 44.8 22.8 68.3

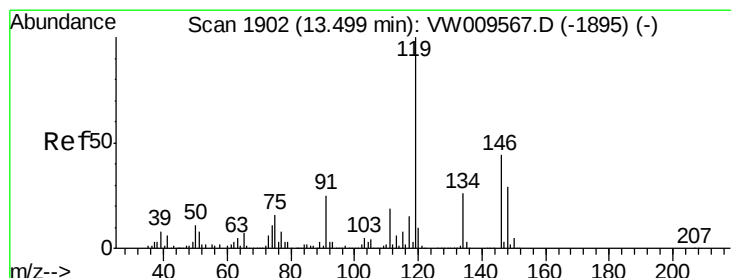
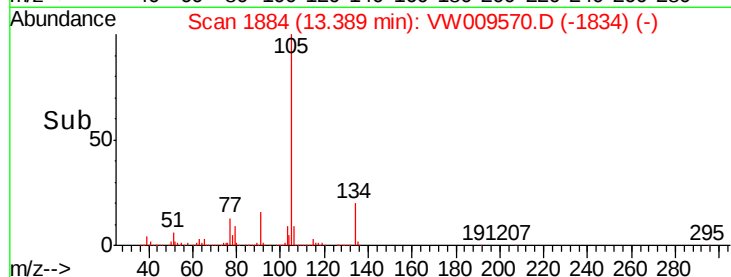
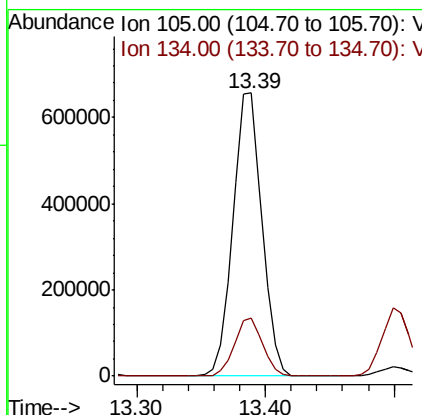
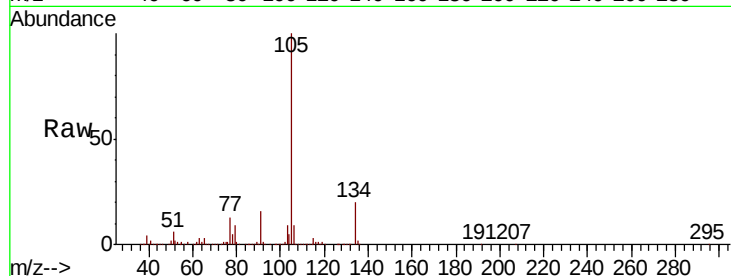




#85
 sec-Butylbenzene
 Concen: 53.229 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

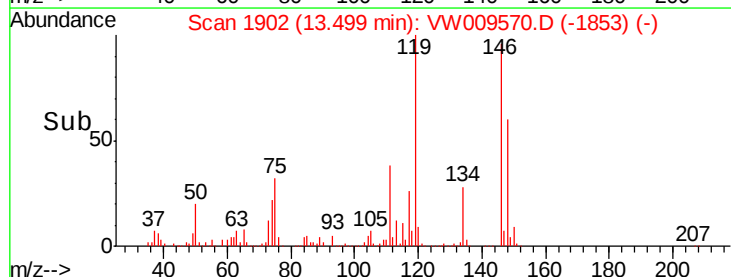
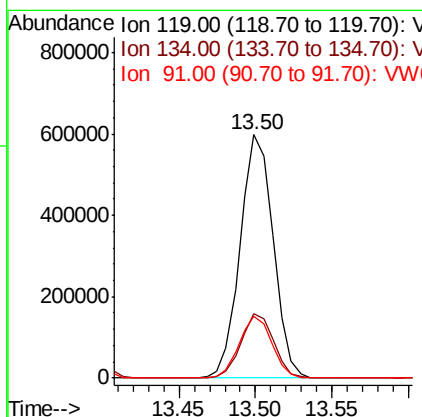
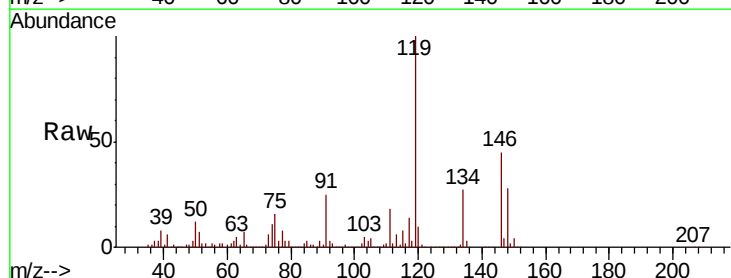
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW032919

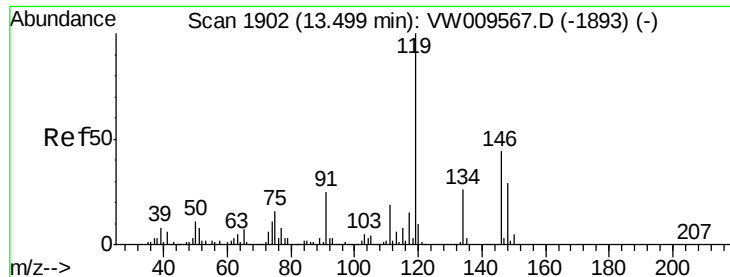
Tgt Ion:105 Resp: 1028878
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 53.400 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Tgt Ion:119 Resp: 897785
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.3
 91 24.9 12.3 36.8

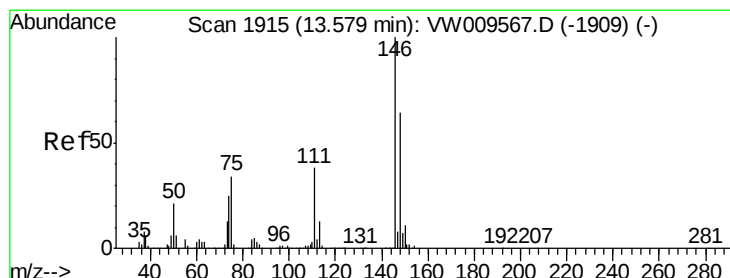
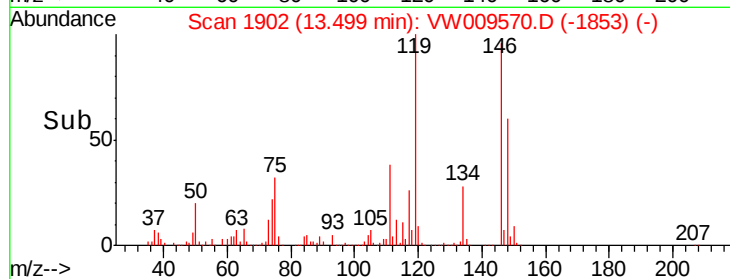
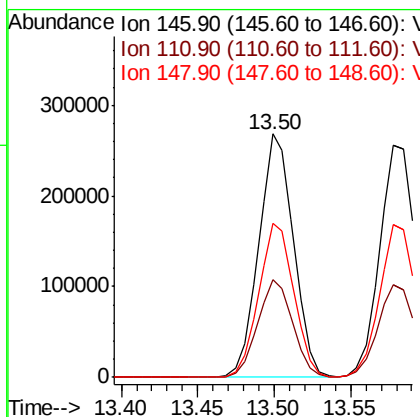
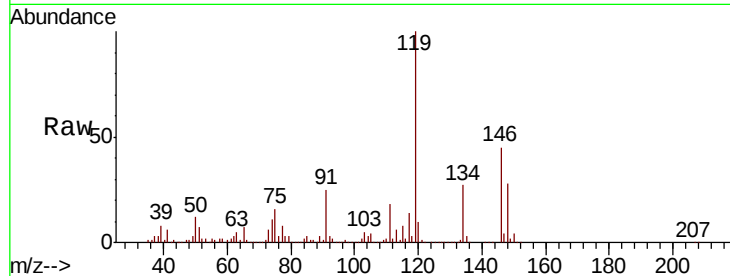




#87
 1,3-Dichlorobenzene
 Concen: 49.980 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

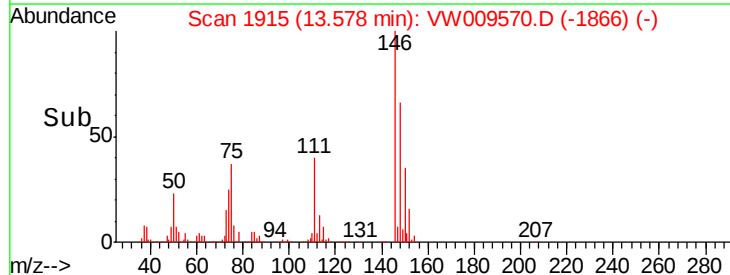
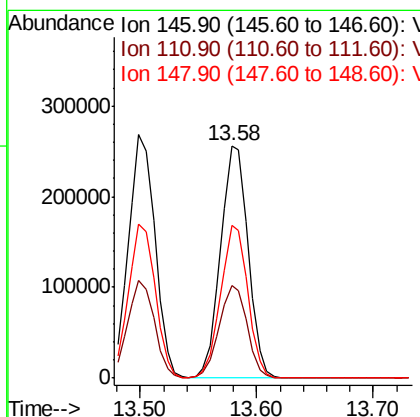
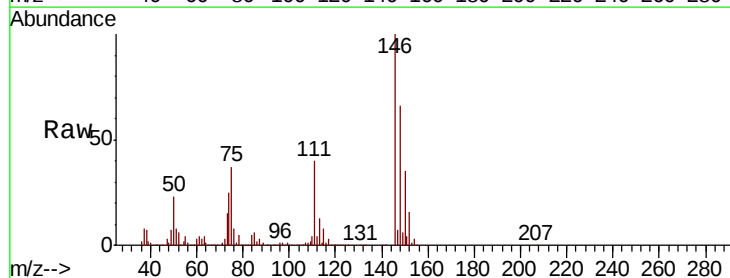
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW032919

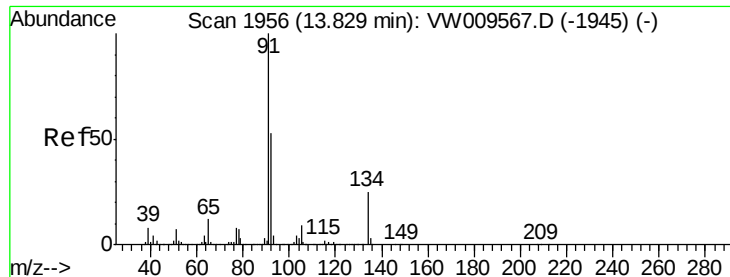
Tgt Ion:146 Resp: 424717
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.1 60.2
 148 64.1 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 49.376 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Tgt Ion:146 Resp: 419088
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.9 59.6
 148 64.7 32.2 96.6





#89

n-Butylbenzene

Concen: 53.915 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009570.D

Acq: 29 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

ICVW032919

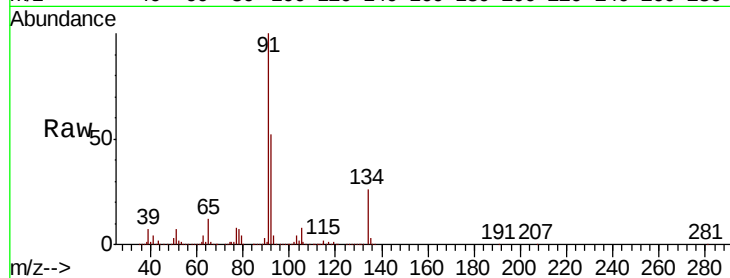
Tgt Ion: 91 Resp: 894710

Ion Ratio Lower Upper

91 100

92 52.9 26.4 79.0

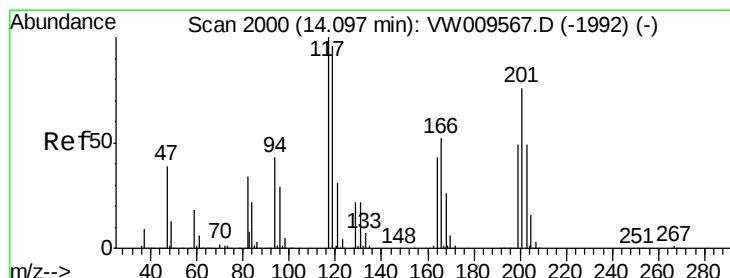
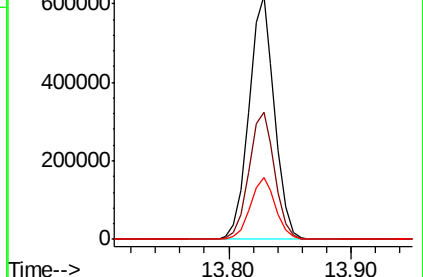
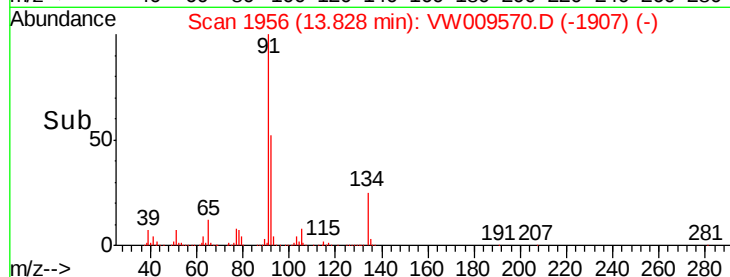
134 25.1 12.9 38.6



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: 50.867 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009570.D

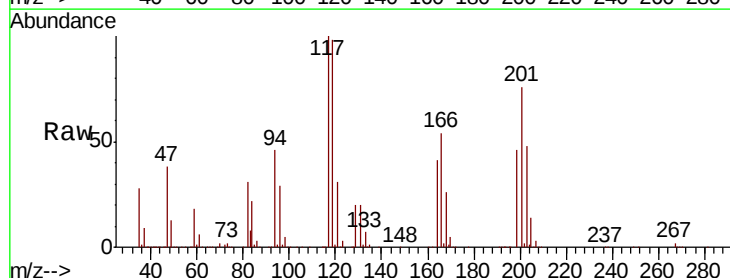
Acq: 29 Mar 2019 12:51

Tgt Ion: 117 Resp: 163766

Ion Ratio Lower Upper

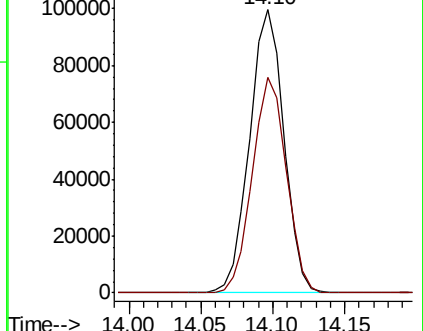
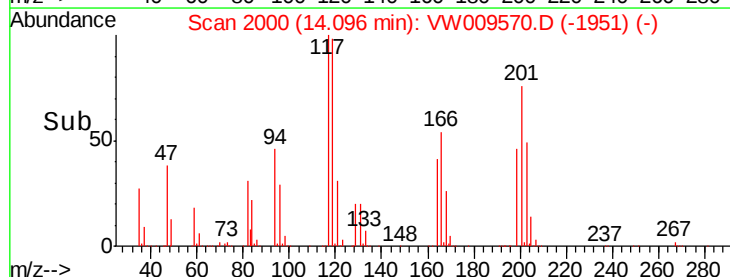
117 100

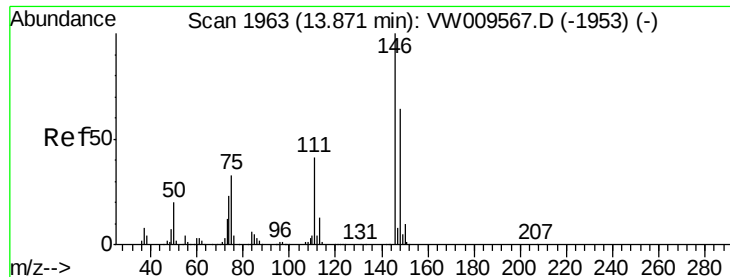
201 75.7 38.2 114.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

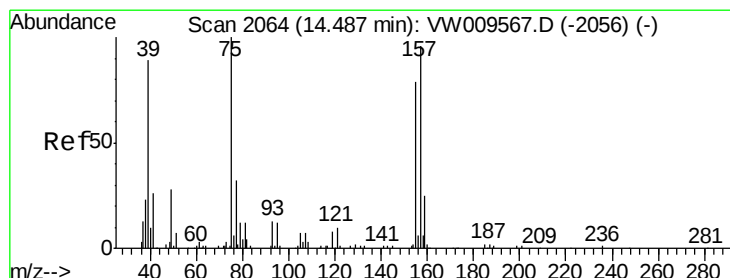
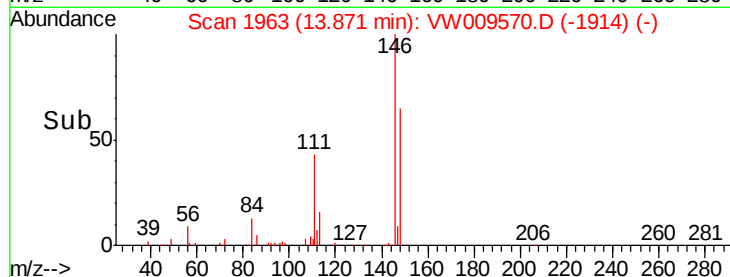
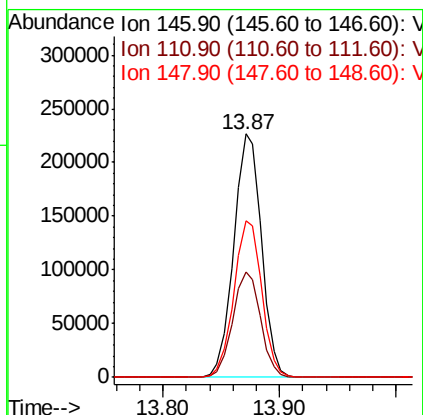
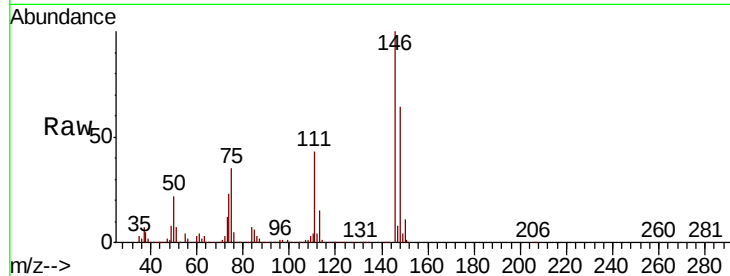




#91
 1,2-Dichlorobenzene
 Concen: 49.346 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

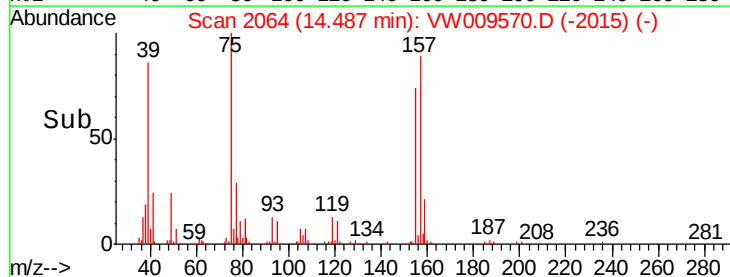
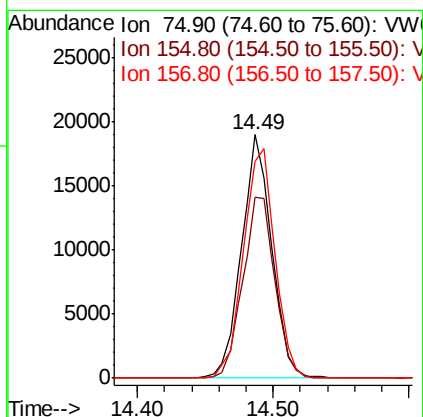
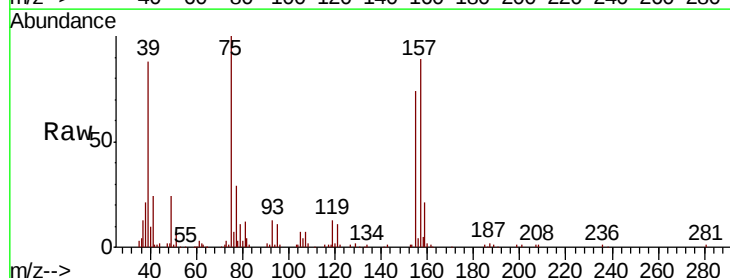
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW032919

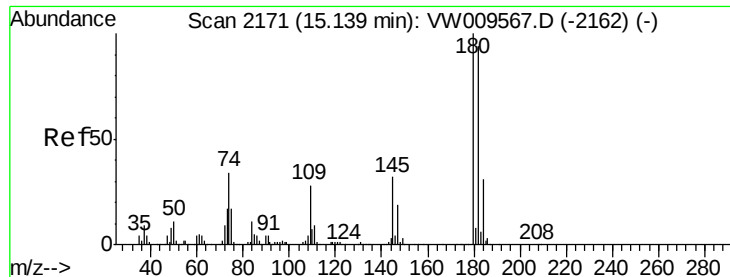
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.4	61.2
148	64.5	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.625 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	39.3	117.8
157	98.6	49.5	148.5

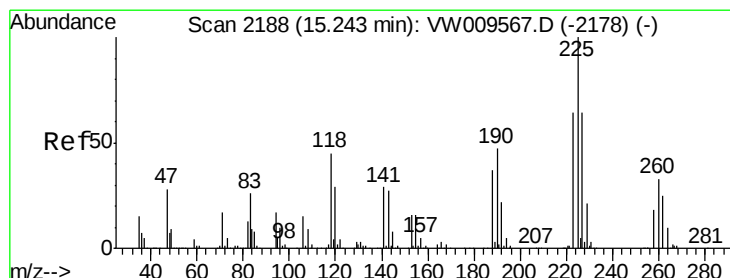
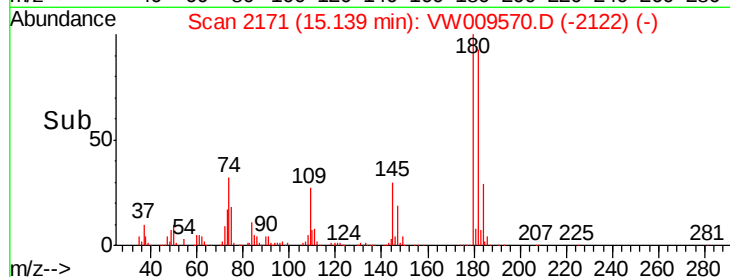
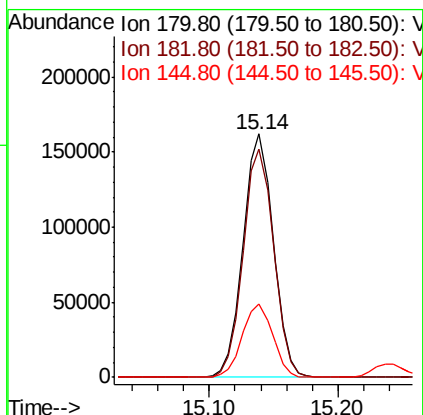
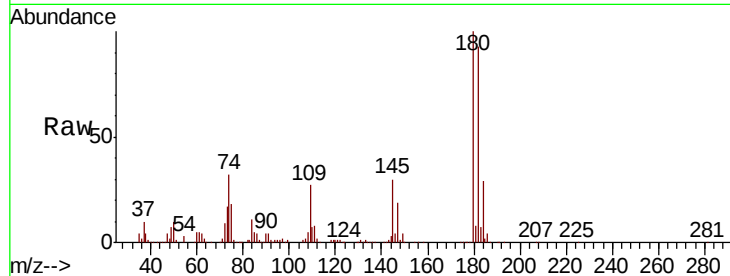




#93
 1,2,4-Trichlorobenzene
 Concen: 53.803 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

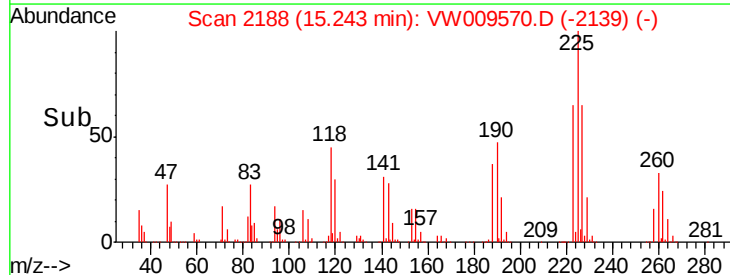
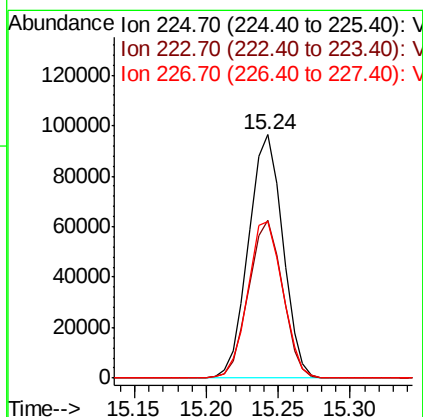
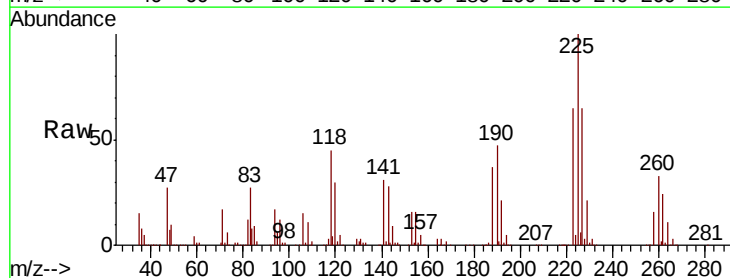
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW032919

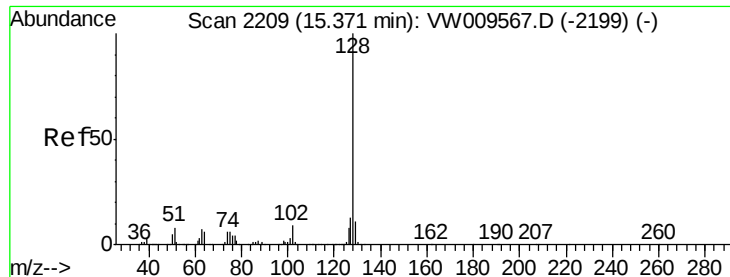
Tgt Ion:180 Resp: 263291
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.9 143.7
 145 30.5 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 50.444 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW009570.D
 Acq: 29 Mar 2019 12:51

Tgt Ion:225 Resp: 158534
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.4 94.3
 227 65.8 32.1 96.5

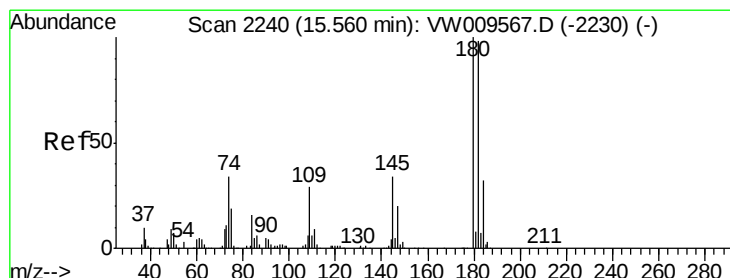
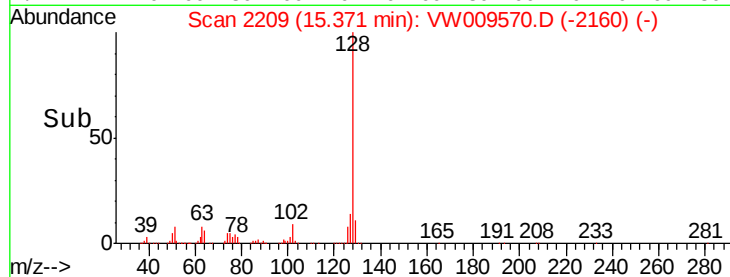
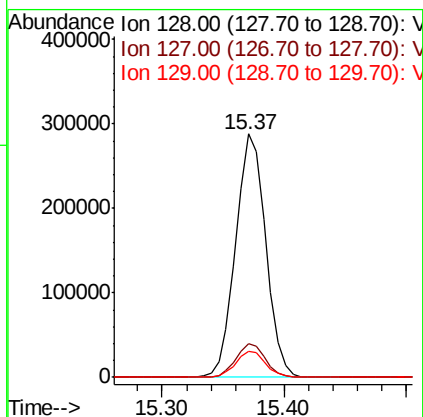
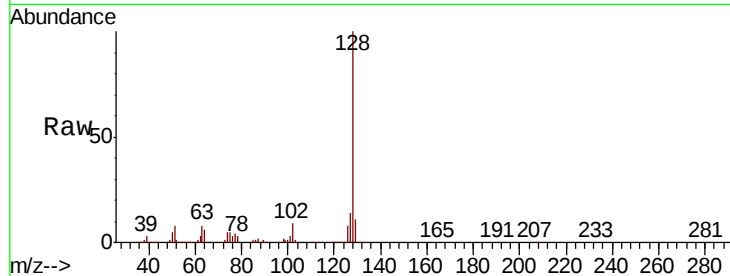




#95
Naphthalene
Concen: 49.292 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Instrument :
MSVOA_W
ClientSampleId :
ICVW032919

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	10.5	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.772 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009570.D
Acq: 29 Mar 2019 12:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.9
145	32.3	16.0	48.0

