

Data File : VW009237.D
Acq On : 19 Mar 2019 12:46
Operator : SY/VA
Sample : VSTDIC100
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Quant Time: Mar 20 07:04:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 06:57:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	320559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	479001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	452190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	244087	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	339201	99.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.96%	
35) Dibromofluoromethane	7.88	113	296185	97.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.96%	
50) Toluene-d8	10.32	98	1133361	102.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.28%	
62) 4-Bromofluorobenzene	12.62	95	431783	106.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.00%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	182578	81.182	ug/l	98
3) Chloromethane	2.22	50	227224	97.785	ug/l	97
4) Vinyl Chloride	2.37	62	315295	92.447	ug/l	97
5) Bromomethane	2.78	94	256286	92.145	ug/l	95
6) Chloroethane	2.92	64	254871	96.322	ug/l	98
7) Trichlorofluoromethane	3.26	101	223918	100.223	ug/l	98
8) Diethyl Ether	3.67	74	150407	93.346	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	290741	89.834	ug/l	99
10) Methyl Iodide	4.27	142	427843	91.704	ug/l	99
11) Tert butyl alcohol	5.17	59	98293	496.798	ug/l	99
12) 1,1-Dichloroethene	4.04	96	279635	91.405	ug/l	98
13) Acrolein	3.88	56	80650	499.147	ug/l	92
14) Allyl chloride	4.65	41	429011	95.122	ug/l	99
15) Acrylonitrile	5.36	53	334709	494.285	ug/l	99
16) Acetone	4.12	43	335046	478.943	ug/l	97
17) Carbon Disulfide	4.37	76	771838	90.499	ug/l	98
18) Methyl Acetate	4.67	43	177057	98.619	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	362067	96.429	ug/l	100
20) Methylene Chloride	4.91	84	279118	85.452	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	295816	93.984	ug/l	97
22) Diisopropyl ether	6.31	45	969234	99.684	ug/l	96
23) Vinyl Acetate	6.25	43	3189270	522.776	ug/l	100
24) 1,1-Dichloroethane	6.21	63	557972	92.985	ug/l	99
25) 2-Butanone	7.17	43	509575	508.364	ug/l	99
26) 2,2-Dichloropropane	7.16	77	306408	91.388	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	334599	98.126	ug/l	99
28) Bromochloromethane	7.51	49	267528	101.643	ug/l #	97
29) Tetrahydrofuran	7.52	42	327197	513.543	ug/l	99
30) Chloroform	7.67	83	586721	93.973	ug/l	99
31) Cyclohexane	7.95	56	501507	89.645	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	460603	92.422	ug/l	99
36) 1,1-Dichloropropene	8.08	75	449399	94.282	ug/l	99
37) Ethyl Acetate	7.25	43	218600	100.504	ug/l	99
38) Carbon Tetrachloride	8.06	117	471841	93.539	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	551637	100.030	ug/l	99
40) Benzene	8.32	78	1234082	95.475	ug/l	99
41) Methacrylonitrile	7.48	41	119971	102.340	ug/l	98
42) 1,2-Dichloroethane	8.40	62	406799	96.277	ug/l	99
43) Isopropyl Acetate	8.42	43	443179	101.756	ug/l	100
44) Trichloroethene	9.09	130	331121	93.512	ug/l	99
45) 1,2-Dichloropropane	9.37	63	314030	95.570	ug/l	97
46) Dibromomethane	9.46	93	173498	96.020	ug/l	98
47) Bromodichloromethane	9.64	83	447392	97.983	ug/l	99
48) Methyl methacrylate	9.43	41	213699	105.979	ug/l	97
49) 1,4-Dioxane	9.45	88	59713	2130.620	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1188310	523.527	ug/l	100
52) Toluene	10.38	92	806945	98.526	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	463128	104.014	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	505360	100.886	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	238937	97.657	ug/l	97
56) Ethyl methacrylate	10.65	69	322868	110.822	ug/l	97
57) 1,3-Dichloropropane	10.93	76	421155	99.801	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	168382	197.527	ug/l	100
59) 2-Hexanone	10.97	43	836147	542.608	ug/l	98
60) Dibromochloromethane	11.13	129	304222	100.641	ug/l	100
61) 1,2-Dibromoethane	11.23	107	230408	98.875	ug/l	99
64) Tetrachloroethene	10.86	164	290129	93.687	ug/l	99
65) Chlorobenzene	11.66	112	880526	94.156	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	328797	94.127	ug/l	99
67) Ethyl Benzene	11.73	91	1608126	99.280	ug/l	100
68) m/p-Xylenes	11.84	106	1233660	196.494	ug/l	99
69) o-Xylene	12.16	106	588000	100.855	ug/l	99
70) Styrene	12.18	104	984522	102.419	ug/l	99
71) Bromoform	12.35	173	189292	99.211	ug/l #	100
73) Isopropylbenzene	12.46	105	1664339	102.016	ug/l	99
74) N-amyl acetate	12.27	43	464715	109.200	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	299585	98.167	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	412185	167.017	ug/l #	100
77) Bromobenzene	12.75	156	372882	96.491	ug/l	99
78) n-propylbenzene	12.80	91	2034208	101.523	ug/l	100
79) 2-Chlorotoluene	12.89	91	1134296	99.653	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1414736	101.970	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	98184	105.031	ug/l	99
82) 4-Chlorotoluene	12.99	91	1186122	98.915	ug/l	100
83) tert-Butylbenzene	13.21	119	1216593	102.610	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1438244	101.117	ug/l	100
85) sec-Butylbenzene	13.38	105	1788392	102.075	ug/l	99
86) p-Isopropyltoluene	13.50	119	1585957	101.654	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	770285	96.323	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	756204	94.972	ug/l	99
89) n-Butylbenzene	13.83	91	1533620	102.404	ug/l	99
90) Hexachloroethane	14.10	117	302430	98.319	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	689818	96.198	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	55244	101.097	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031919\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	476779	99.002	ug/l	100
94) Hexachlorobutadiene	15.24	225	285371	93.168	ug/l	100
95) Naphthalene	15.37	128	902208	108.127	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	423046	98.409	ug/l	99

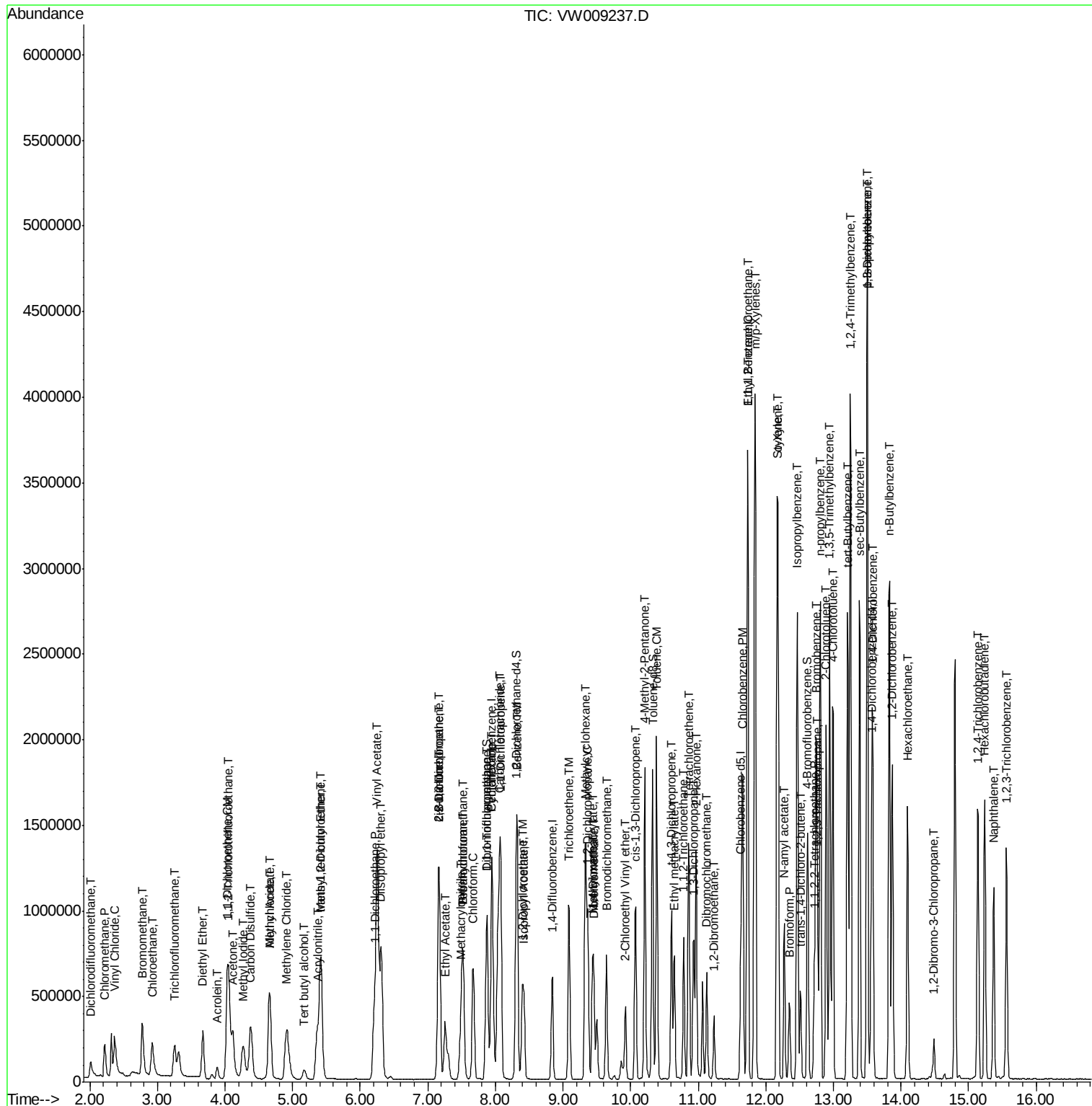
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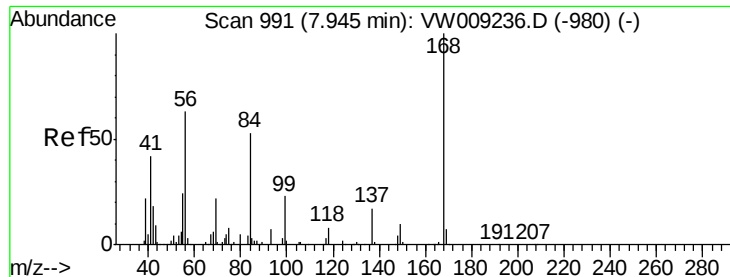
Data File : VW009237.D

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Acq On      : 19 Mar 2019   12:46
Operator    : SY/VA
Sample      : VSTDICC100
Misc       : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial    : 7      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Quant Time: Mar 20 07:04:18 2019
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

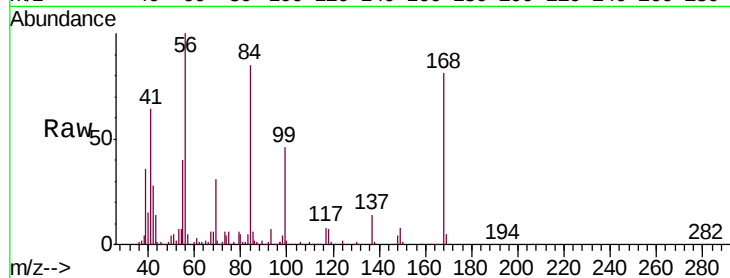
VSTDIC100

Tgt Ion:168 Resp: 320559

Ion Ratio Lower Upper

168 100

99 56.2 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

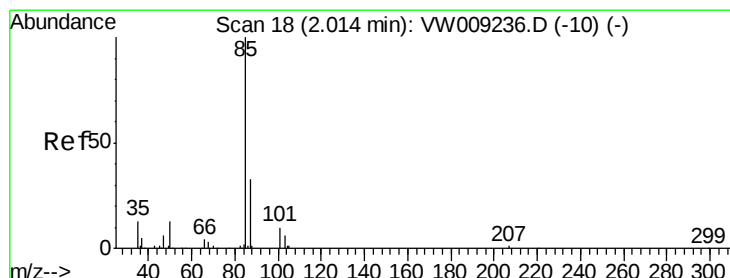
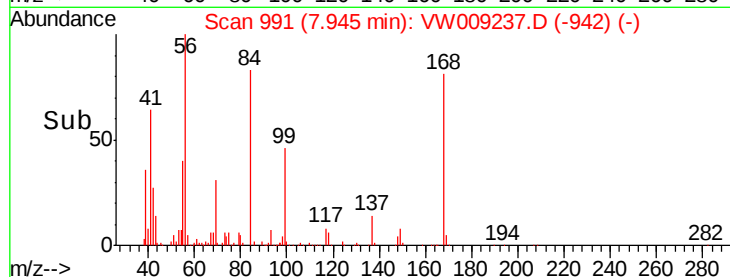
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 81.182 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009237.D

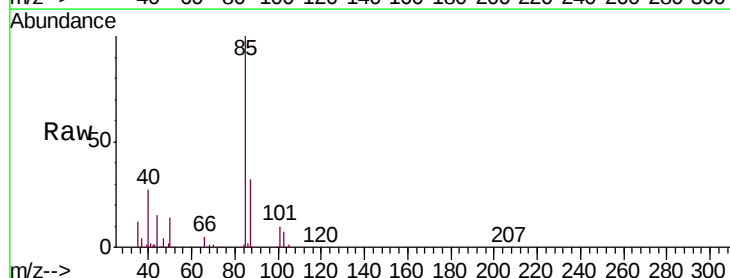
Acq: 19 Mar 2019 12:46

Tgt Ion: 85 Resp: 182578

Ion Ratio Lower Upper

85 100

87 32.2 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

50000

40000

30000

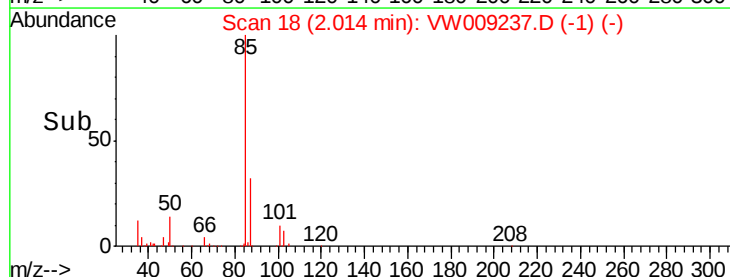
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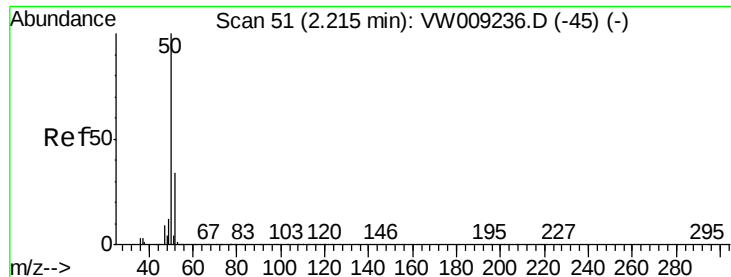
10000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 97.785 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

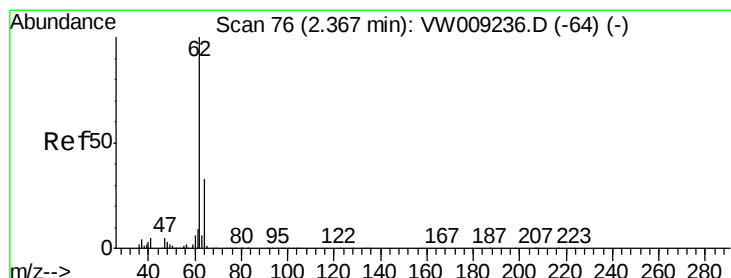
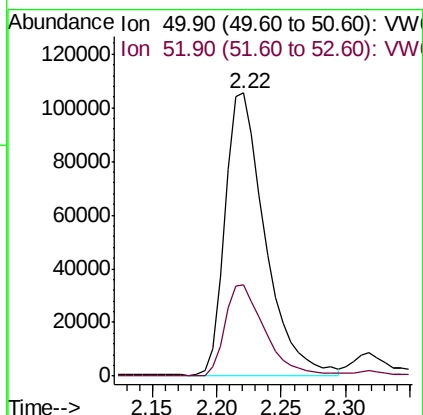
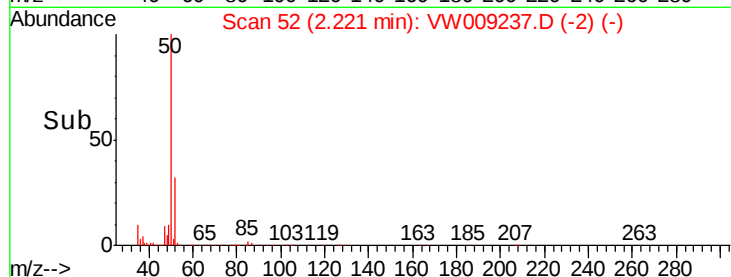
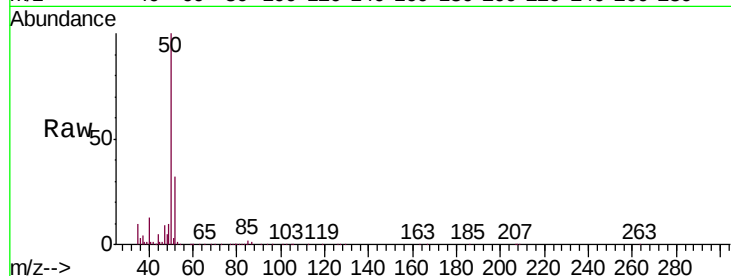
VSTDICC100

Tgt Ion: 50 Resp: 227224

Ion Ratio Lower Upper

50 100

52 32.5 27.2 40.8



#4

Vinyl Chloride

Concen: 92.447 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009237.D

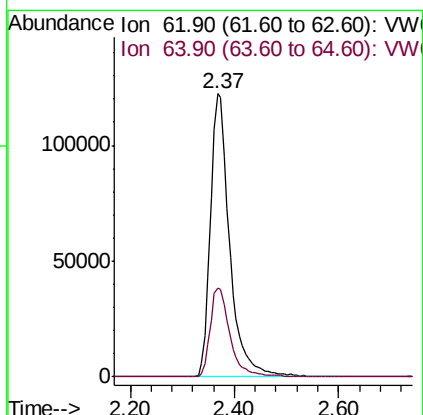
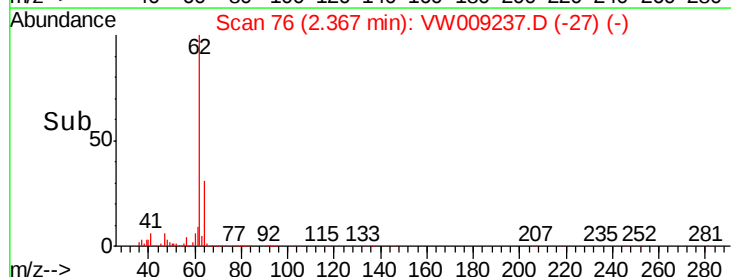
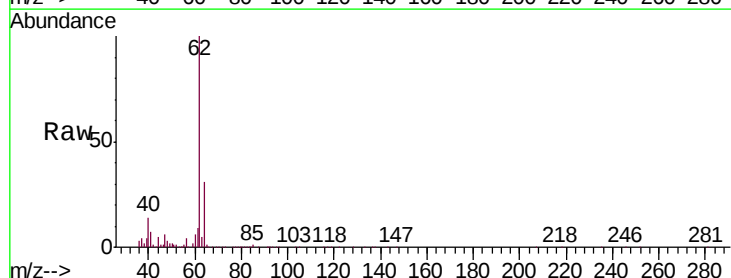
Acq: 19 Mar 2019 12:46

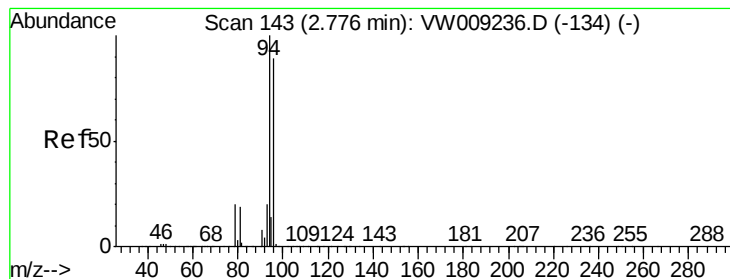
Tgt Ion: 62 Resp: 315295

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.2





#5

Bromomethane

Concen: 92.145 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

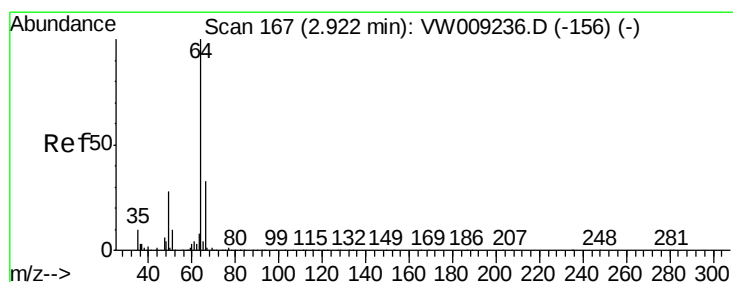
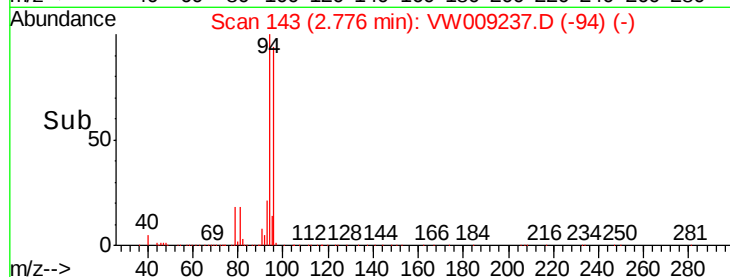
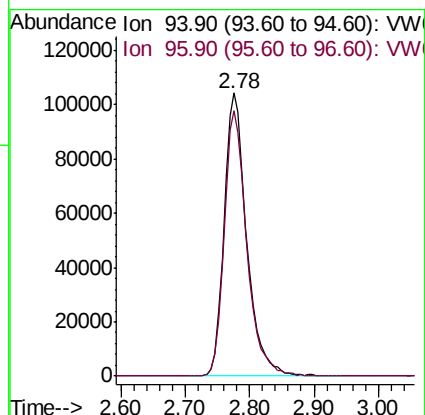
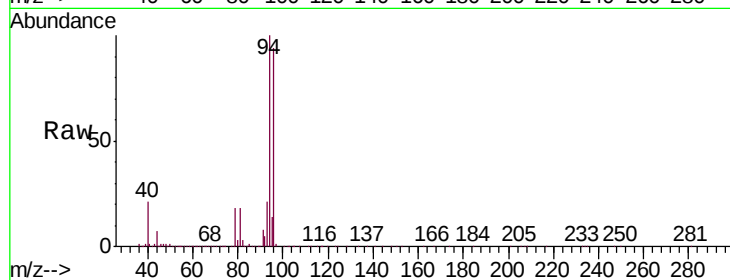
VSTDICC100

Tgt Ion: 94 Resp: 256286

Ion Ratio Lower Upper

94 100

96 93.6 71.4 107.2



#6

Chloroethane

Concen: 96.322 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW009237.D

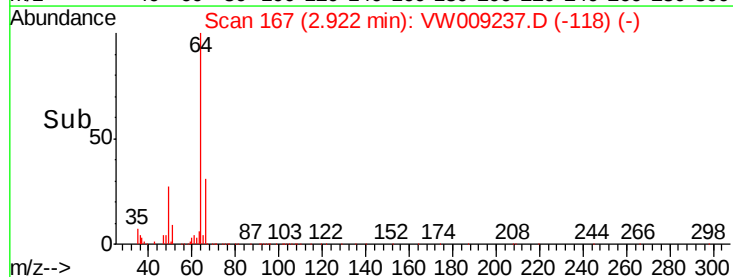
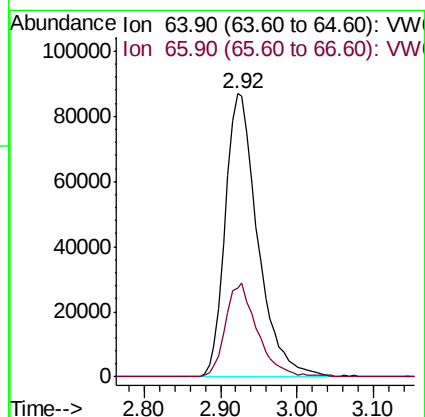
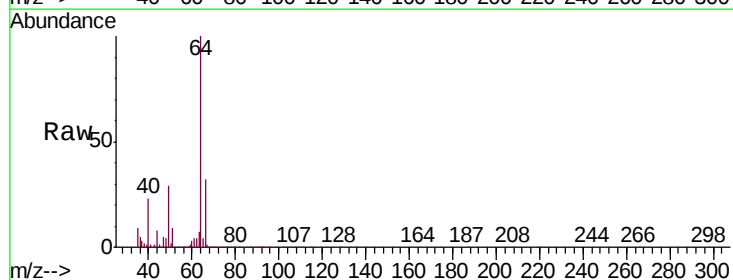
Acq: 19 Mar 2019 12:46

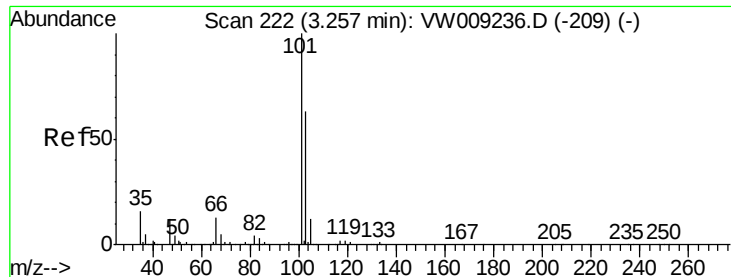
Tgt Ion: 64 Resp: 254871

Ion Ratio Lower Upper

64 100

66 31.5 26.2 39.2



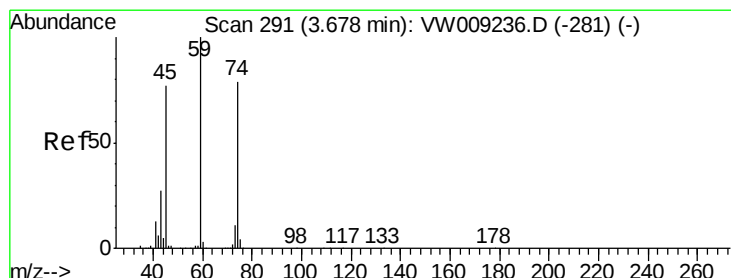
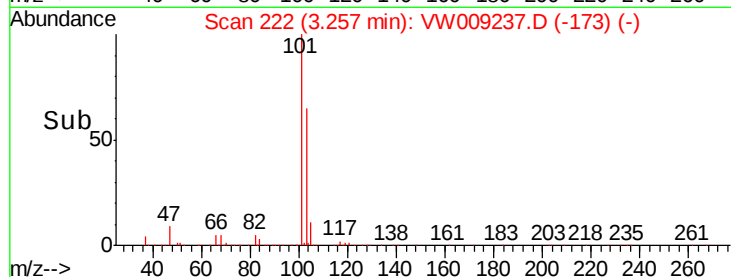
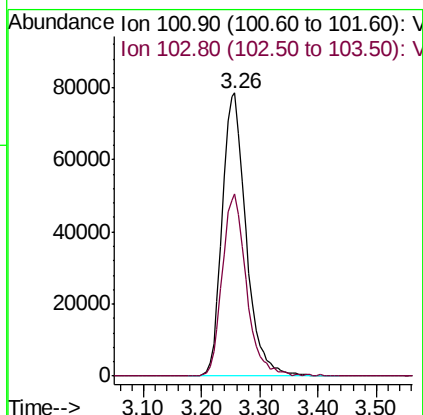
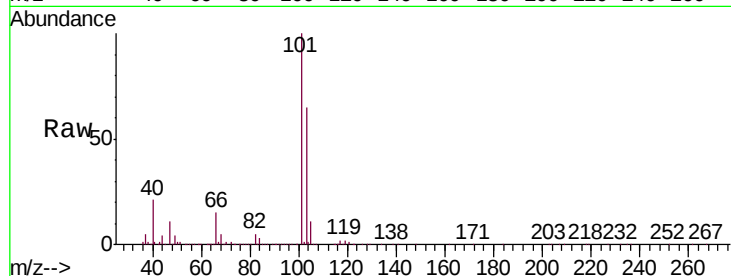


#7

Trichlorofluoromethane
Concen: 100.223 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

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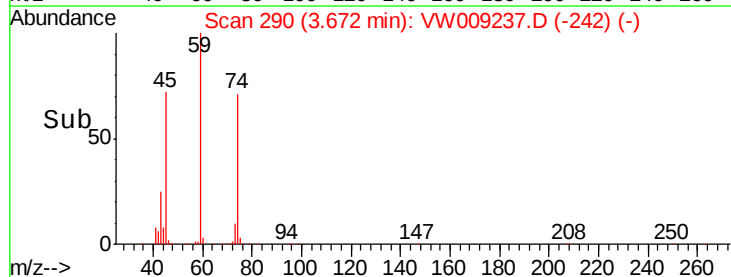
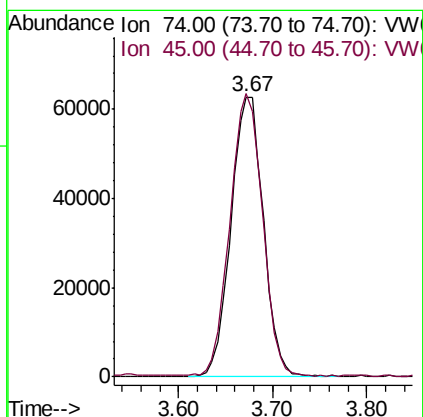
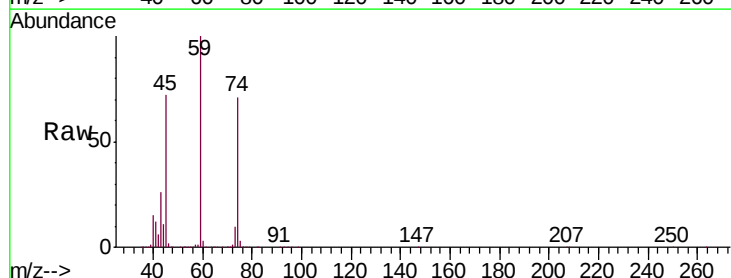
Tgt Ion:101 Resp: 223918
Ion Ratio Lower Upper
101 100
103 64.5 50.5 75.7

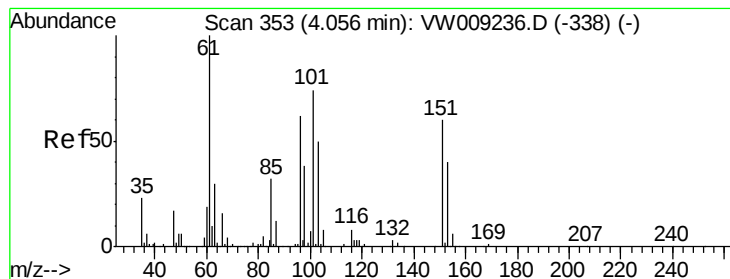


#8

Diethyl Ether
Concen: 93.346 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion: 74 Resp: 150407
Ion Ratio Lower Upper
74 100
45 100.8 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.834 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

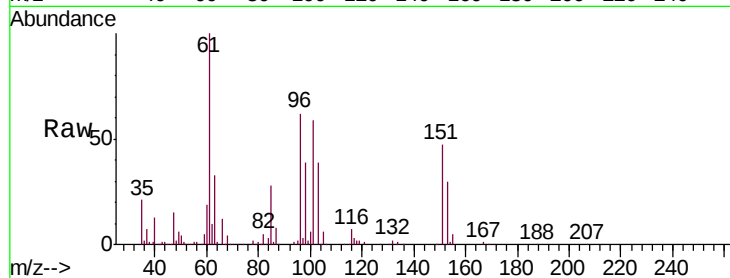
Tgt Ion:101 Resp: 290741

Ion Ratio Lower Upper

101 100

85 45.2 35.1 52.7

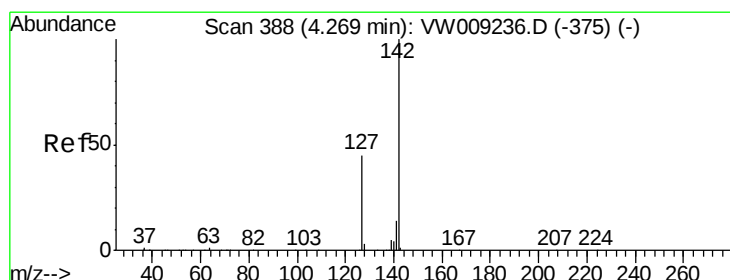
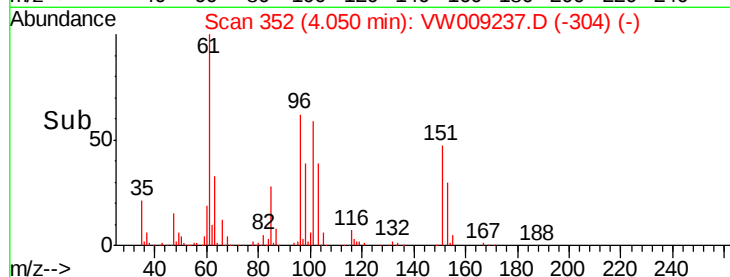
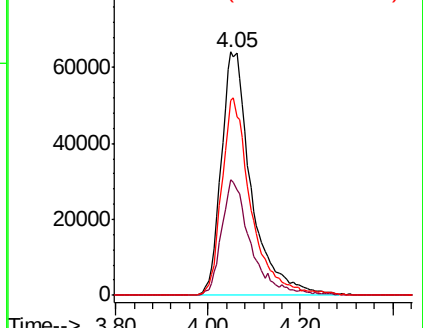
151 79.2 62.9 94.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 91.704 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

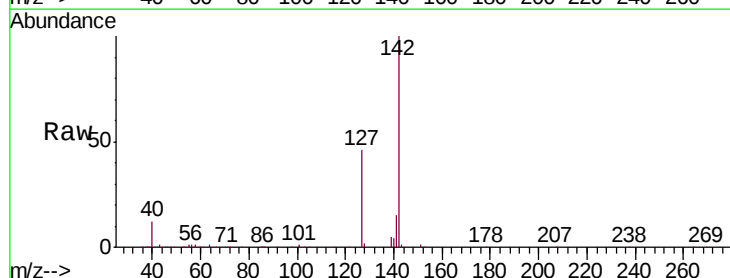
Tgt Ion:142 Resp: 427843

Ion Ratio Lower Upper

142 100

127 45.5 35.9 53.9

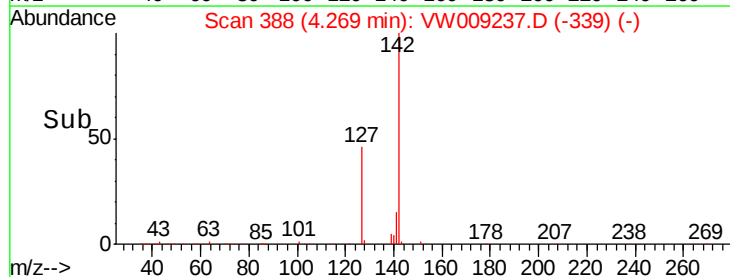
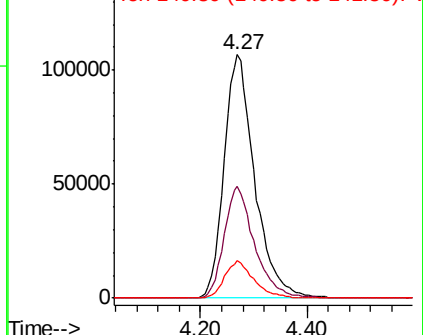
141 14.8 11.4 17.2

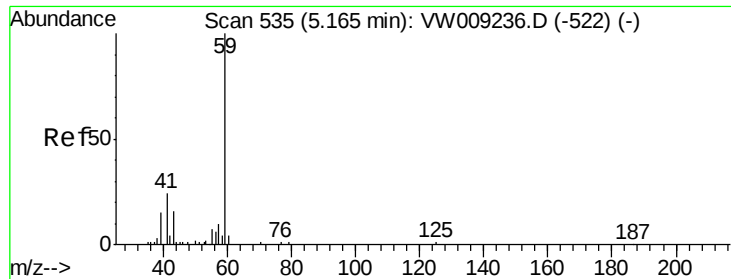


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

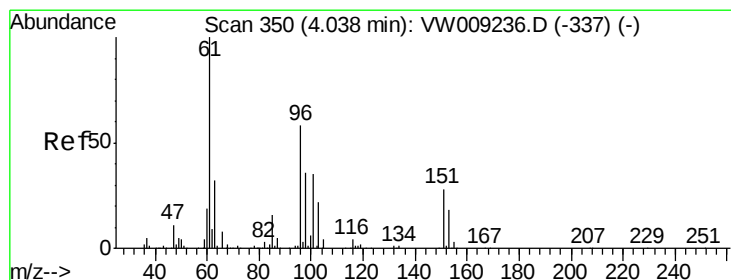
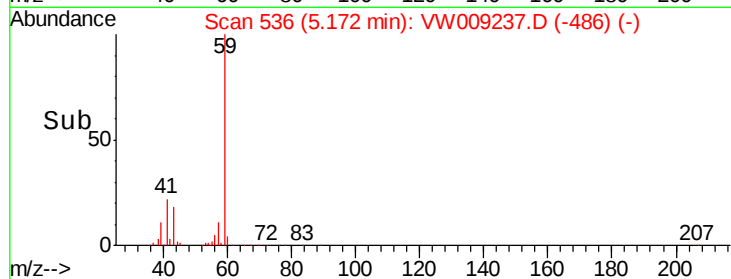
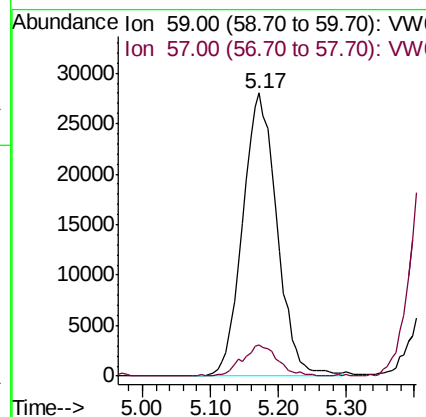
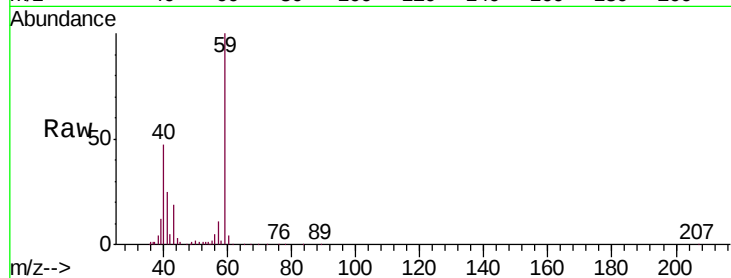




#11
Tert butyl alcohol
Concen: 496.798 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

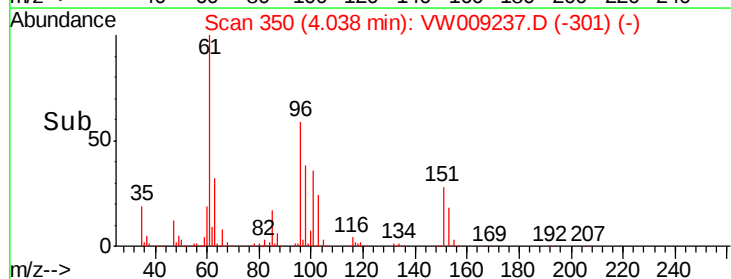
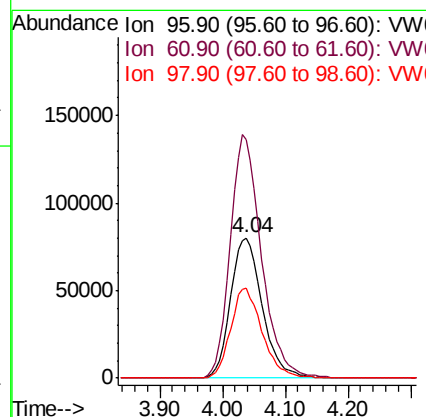
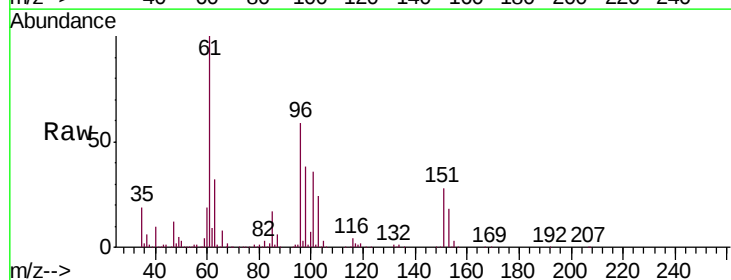
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

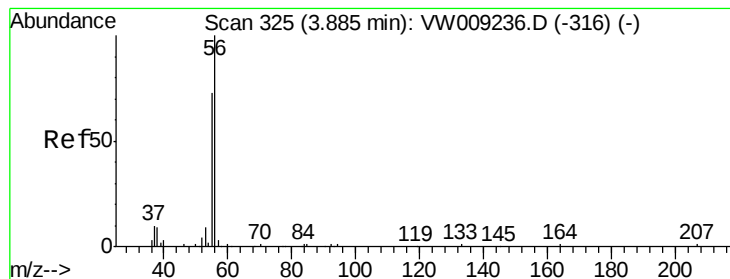
Tgt Ion: 59 Resp: 98293
Ion Ratio Lower Upper
59 100
57 11.3 9.4 14.0



#12
1,1-Dichloroethene
Concen: 91.405 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion: 96 Resp: 279635
Ion Ratio Lower Upper
96 100
61 170.6 138.0 207.0
98 64.2 49.8 74.8





#13

Acrolein

Concen: 499.147 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

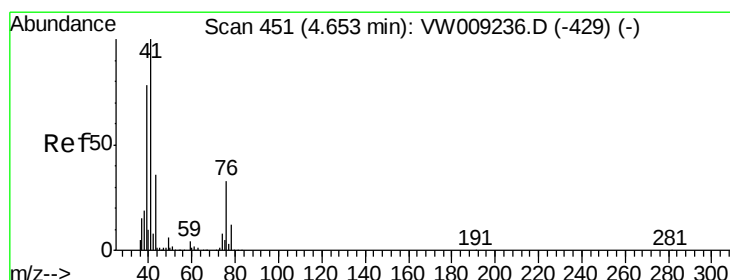
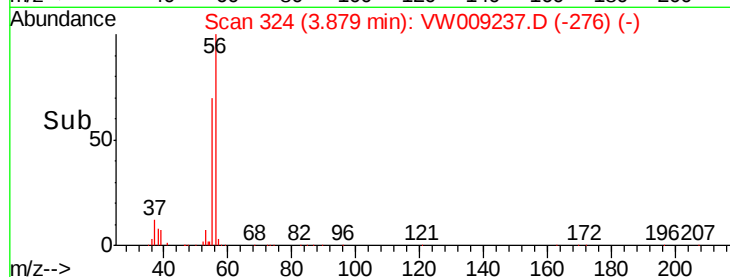
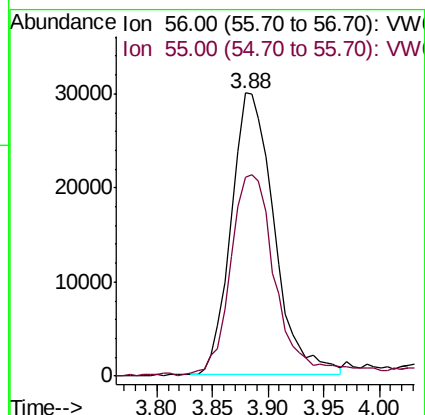
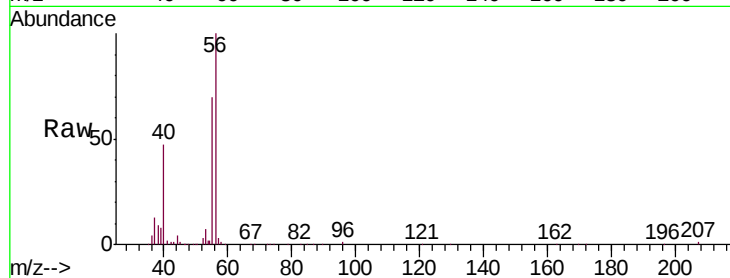
VSTDIC100

Tgt Ion: 56 Resp: 80650

Ion Ratio Lower Upper

56 100

55 75.4 55.2 82.8



#14

Allyl chloride

Concen: 95.122 ug/l

RT: 4.65 min Scan# 451

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

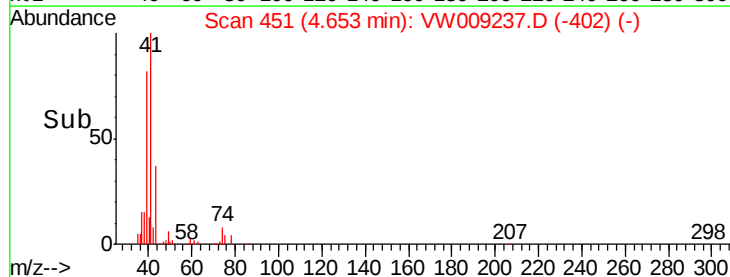
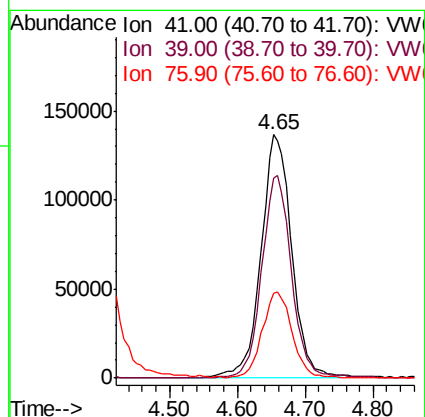
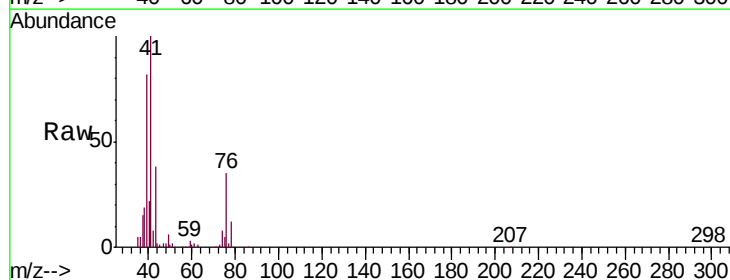
Tgt Ion: 41 Resp: 429011

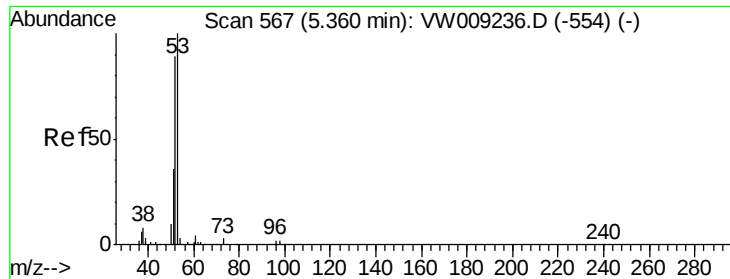
Ion Ratio Lower Upper

41 100

39 80.9 63.8 95.6

76 33.7 27.8 41.6





#15

Acrylonitrile

Concen: 494.285 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

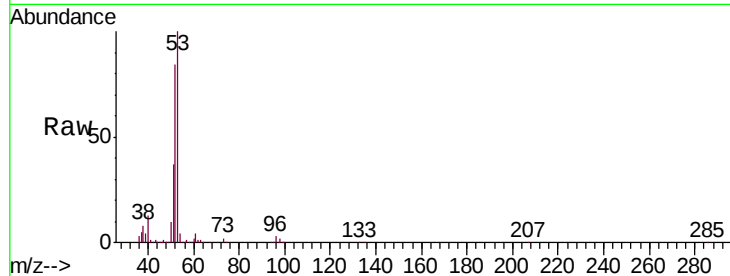
Tgt Ion: 53 Resp: 334709

Ion Ratio Lower Upper

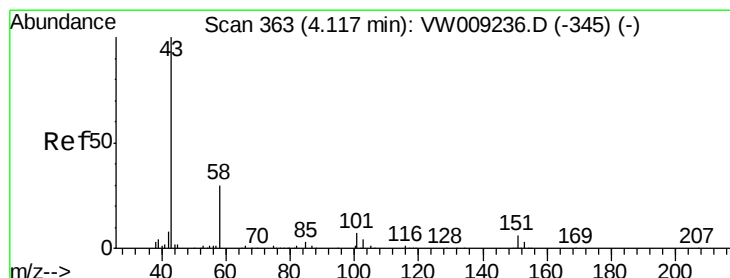
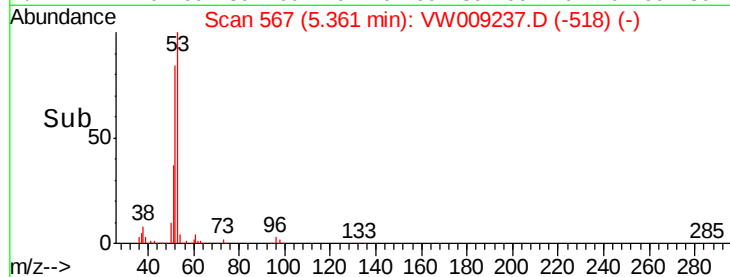
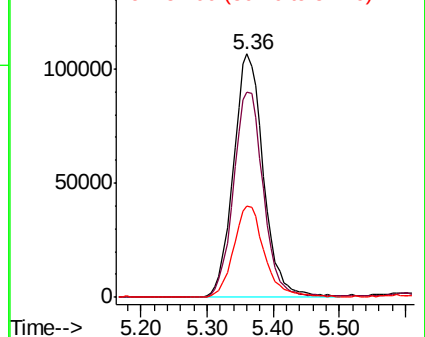
53 100

52 83.9 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: 478.943 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009237.D

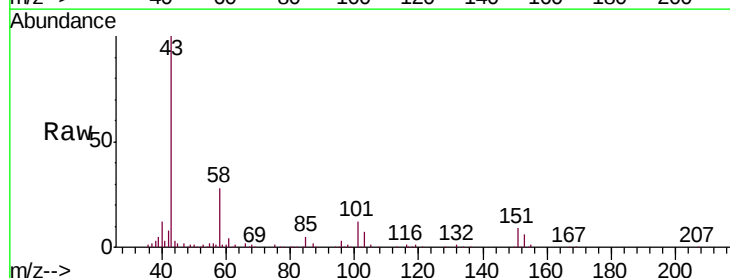
Acq: 19 Mar 2019 12:46

Tgt Ion: 43 Resp: 335046

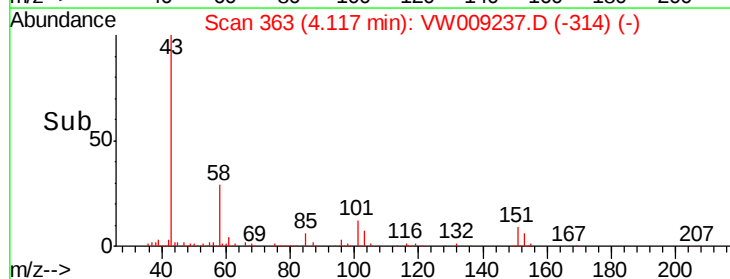
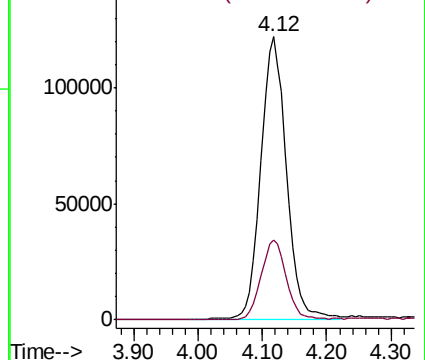
Ion Ratio Lower Upper

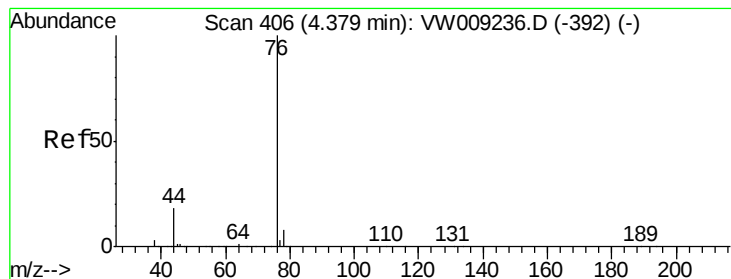
43 100

58 28.1 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: 90.499 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

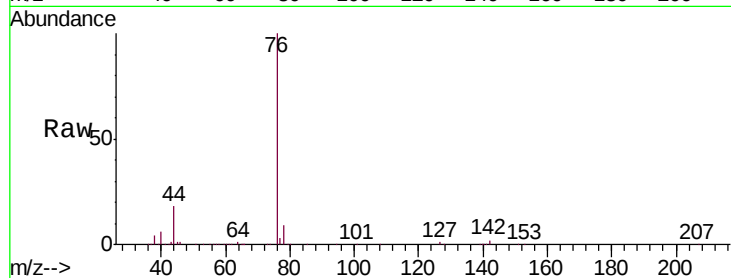
VSTDIC100

Tgt Ion: 76 Resp: 771838

Ion Ratio Lower Upper

76 100

78 8.8 6.6 9.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

250000

200000

150000

100000

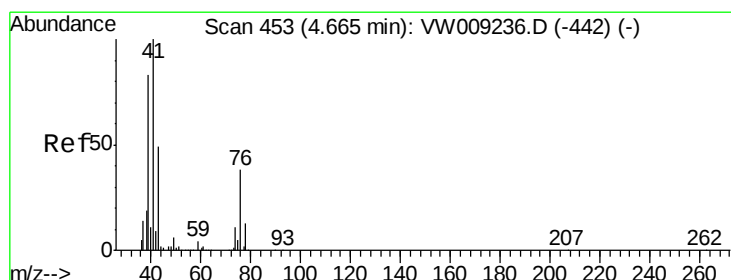
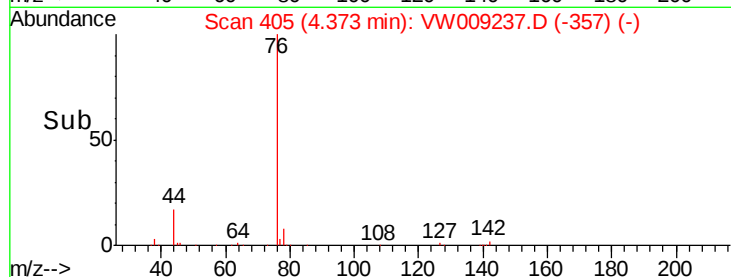
50000

0

4.20 4.30 4.40 4.50 4.60

4.37

Time-->



#18

Methyl Acetate

Concen: 98.619 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW009237.D

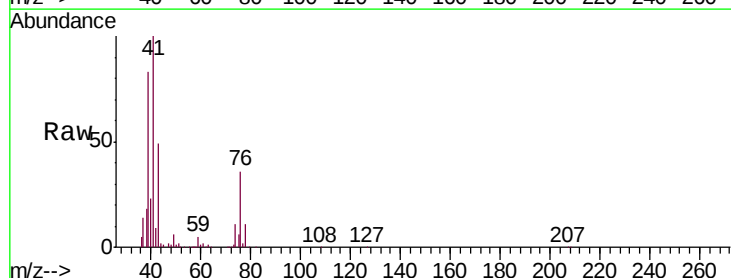
Acq: 19 Mar 2019 12:46

Tgt Ion: 43 Resp: 177057

Ion Ratio Lower Upper

43 100

74 22.0 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

60000

40000

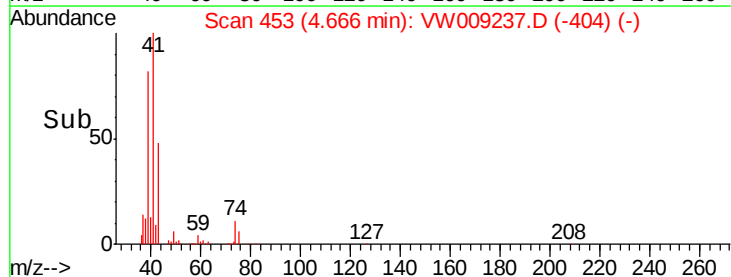
20000

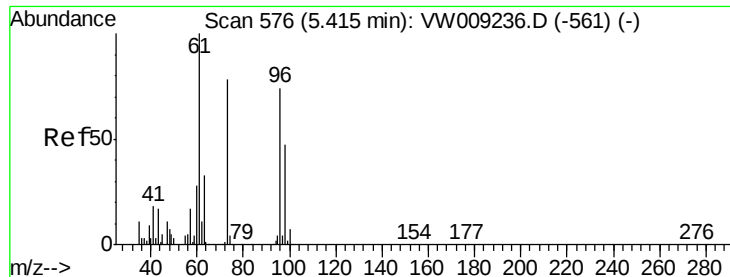
0

4.50 4.60 4.70 4.80

4.67

Time-->



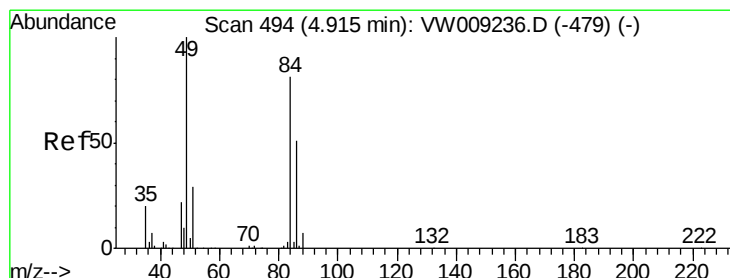
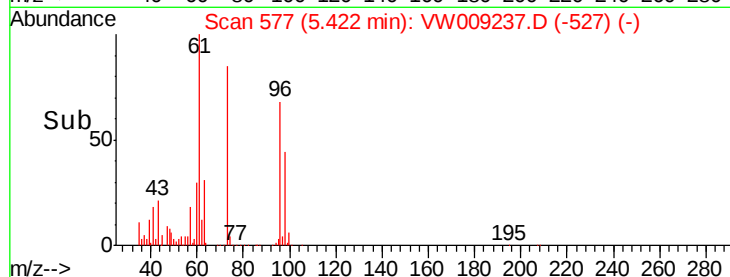
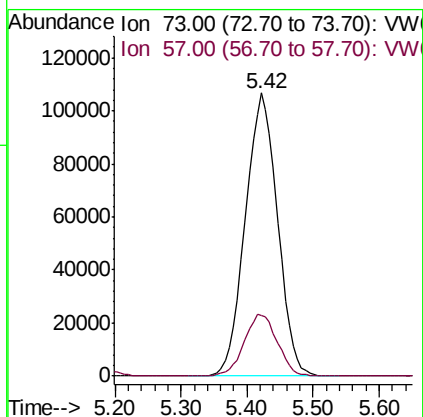
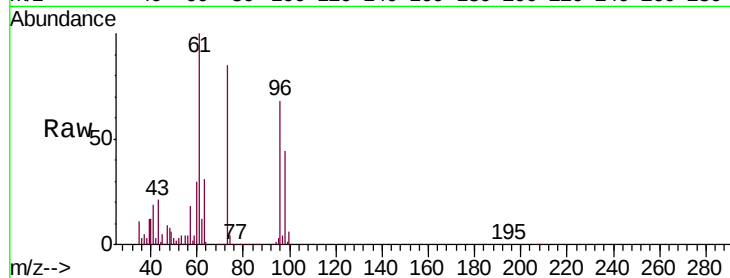


#19

Methyl tert-butyl Ether
 Concen: 96.429 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

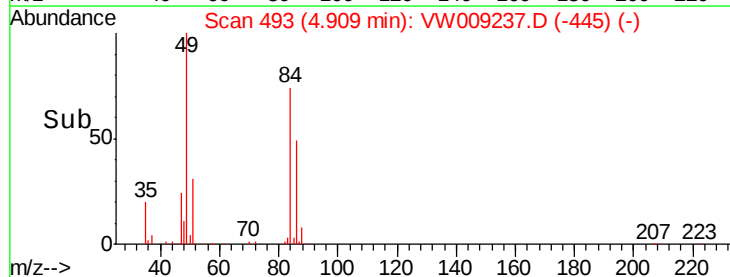
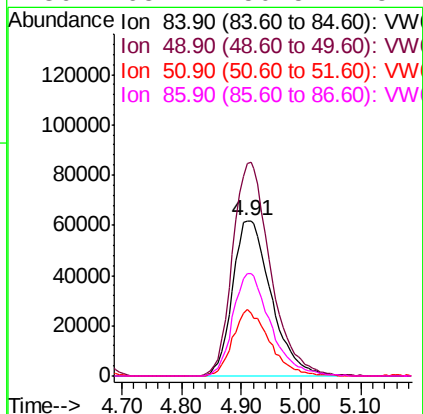
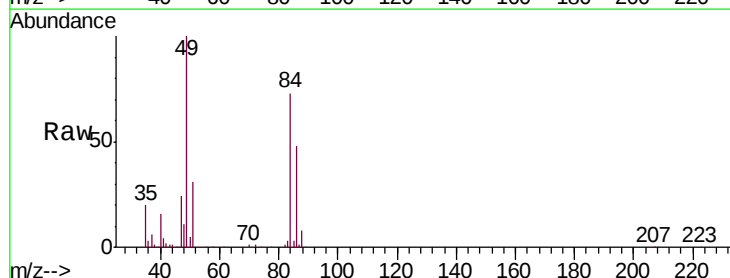
Tgt Ion: 73 Resp: 362067
 Ion Ratio Lower Upper
 73 100
 57 21.5 17.0 25.6

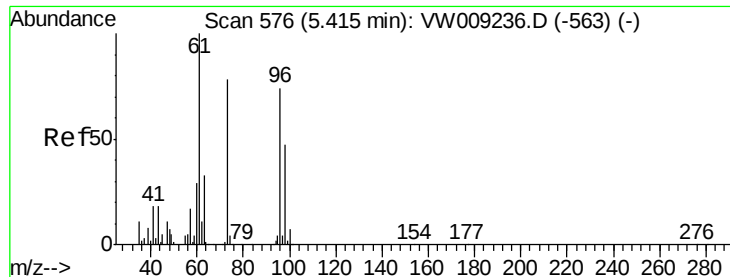


#20

Methylene Chloride
 Concen: 85.452 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion: 84 Resp: 279118
 Ion Ratio Lower Upper
 84 100
 49 137.0 99.1 148.7
 51 42.7 28.7 43.1
 86 65.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 93.984 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

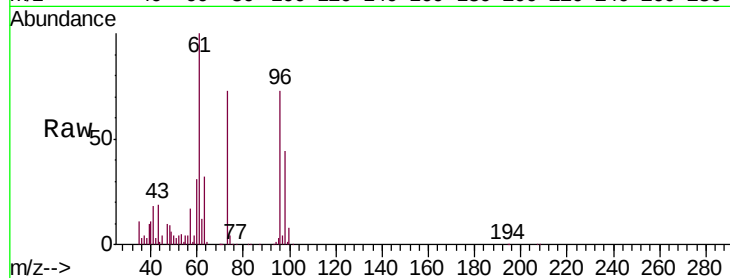
Tgt Ion: 96 Resp: 295816

Ion Ratio Lower Upper

96 100

61 137.9 108.2 162.4

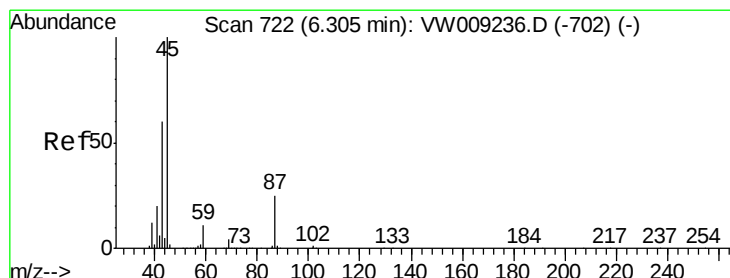
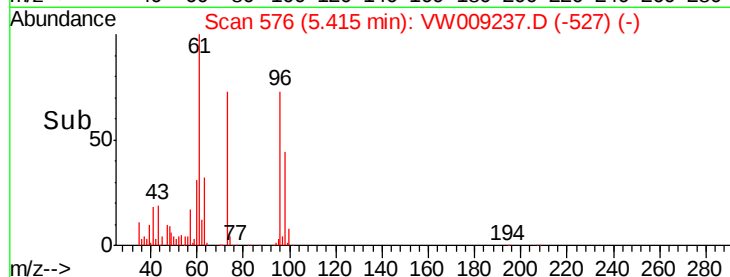
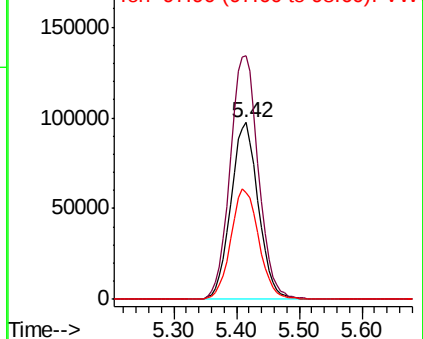
98 60.2 50.9 76.3



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: 99.684 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Tgt Ion: 45 Resp: 969234

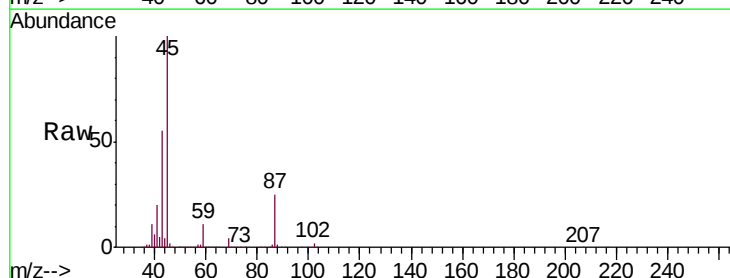
Ion Ratio Lower Upper

45 100

43 55.4 47.9 71.9

87 25.2 20.6 30.8

59 11.0 9.0 13.4

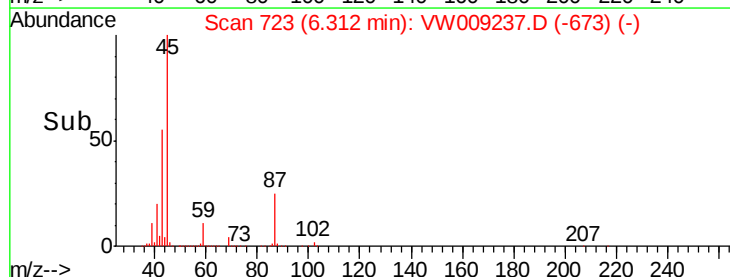
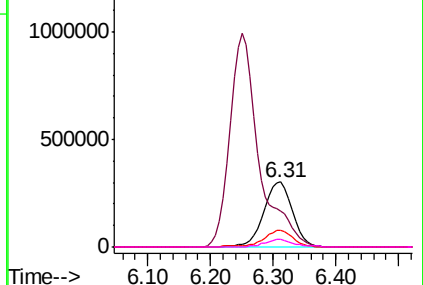


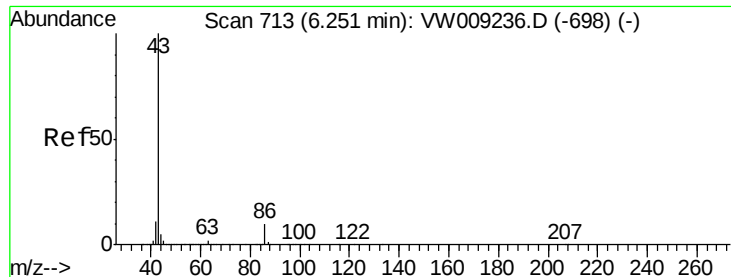
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 522.776 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

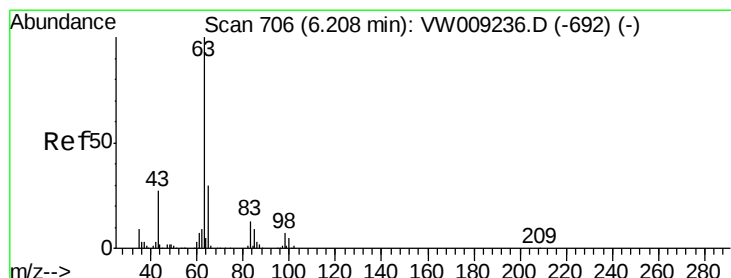
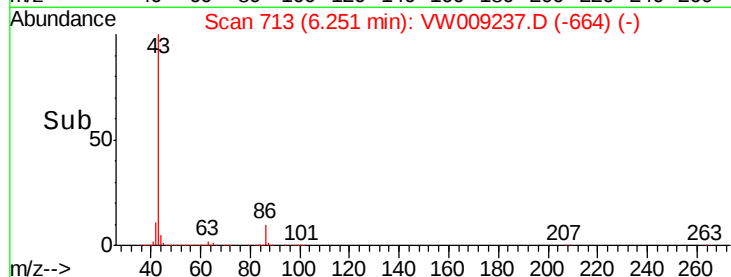
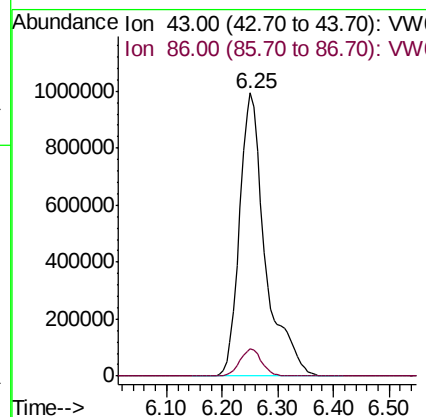
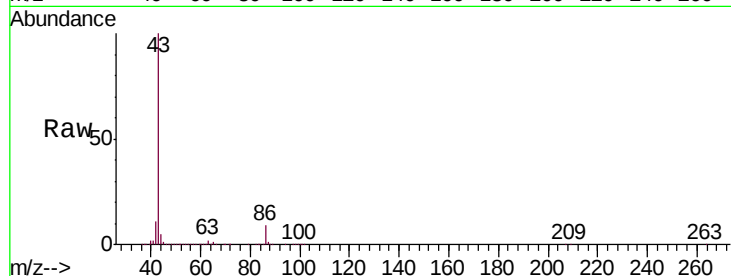
VSTDIC100

Tgt Ion: 43 Resp: 3189270

Ion Ratio Lower Upper

43 100

86 9.5 7.7 11.5



#24

1,1-Dichloroethane

Concen: 92.985 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

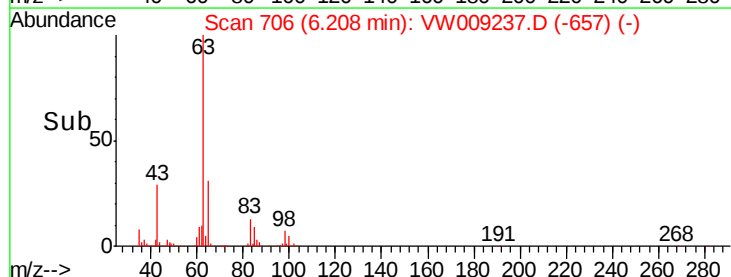
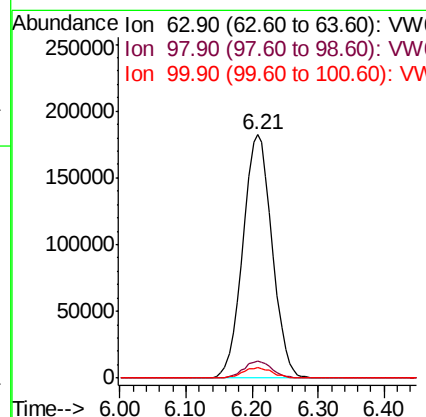
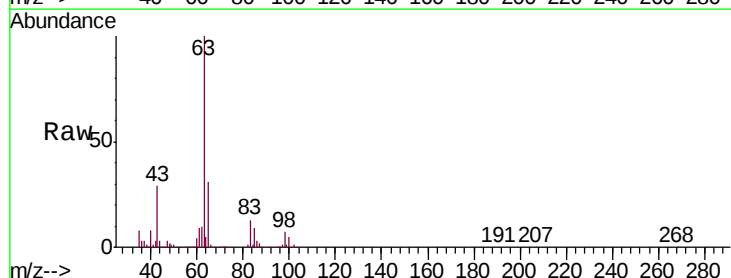
Tgt Ion: 63 Resp: 557972

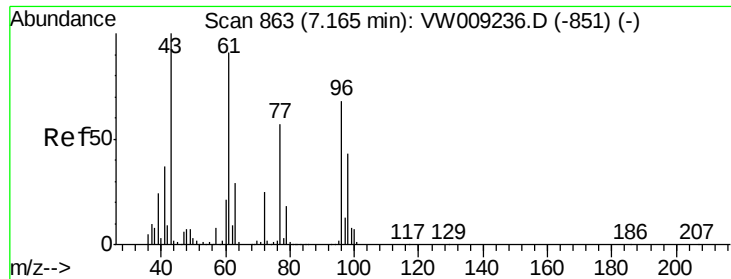
Ion Ratio Lower Upper

63 100

98 7.0 3.7 11.1

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 508.364 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

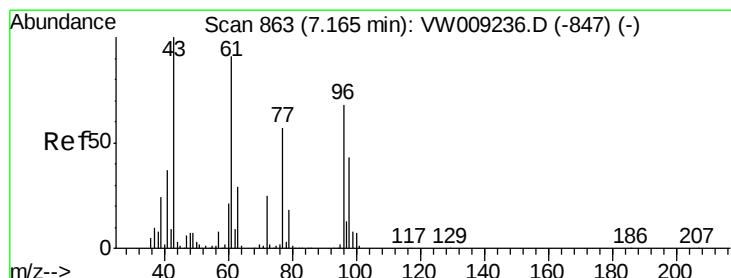
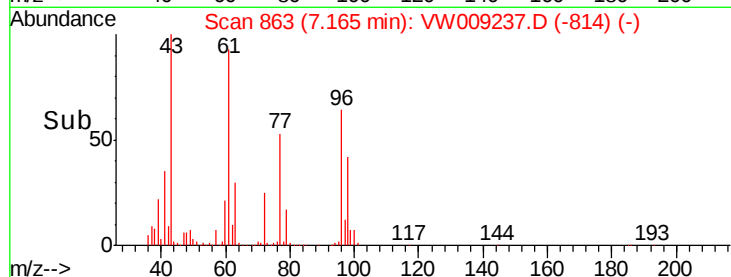
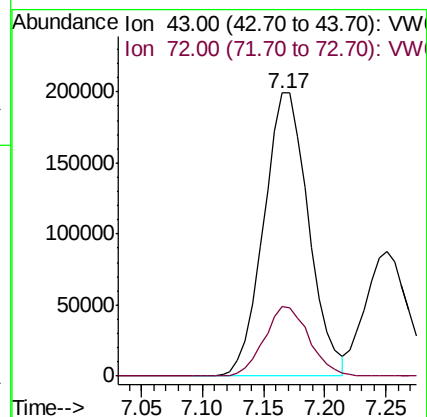
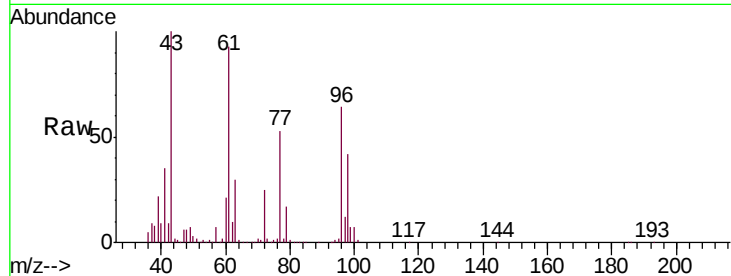
VSTDIC100

Tgt Ion: 43 Resp: 509575

Ion Ratio Lower Upper

43 100

72 24.5 20.0 30.0



#26

2,2-Dichloropropane

Concen: 91.388 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009237.D

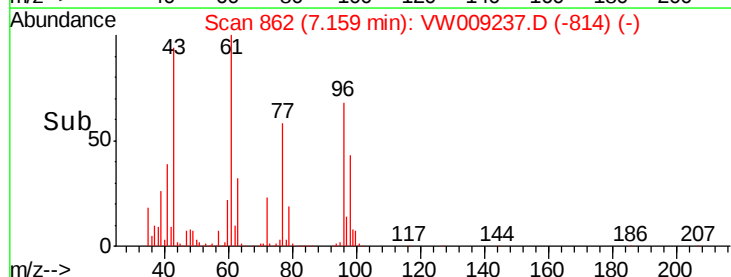
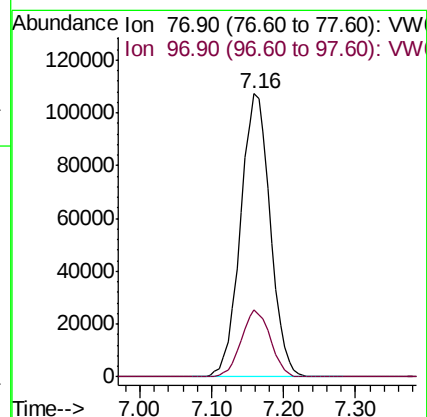
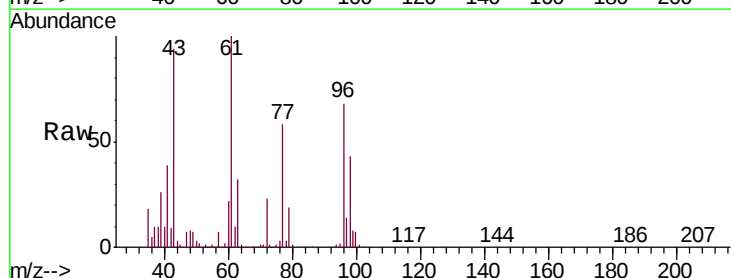
Acq: 19 Mar 2019 12:46

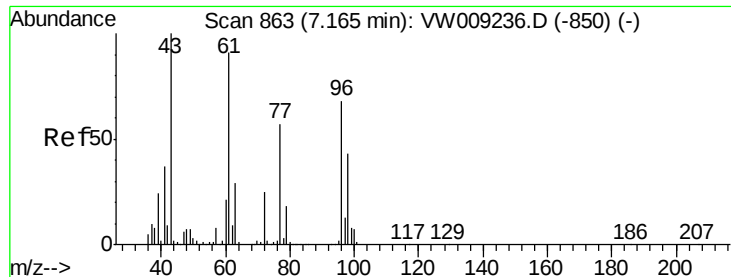
Tgt Ion: 77 Resp: 306408

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.7



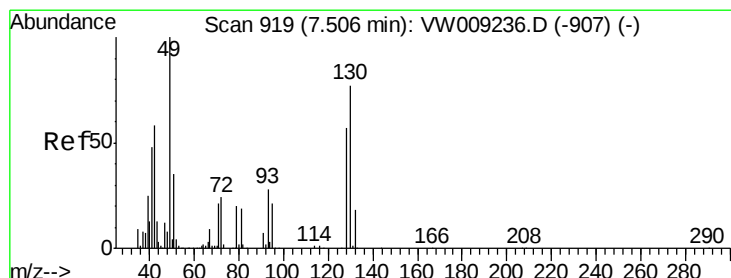
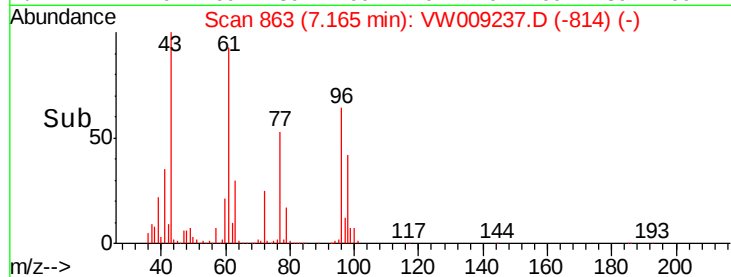
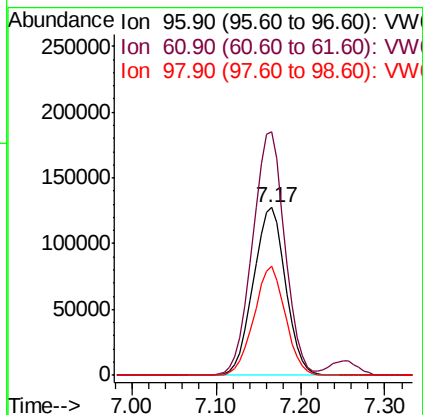
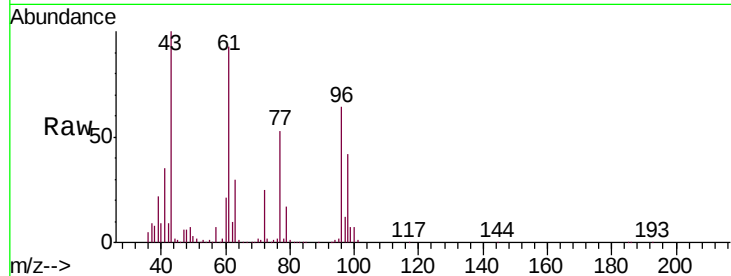


#27

cis-1,2-Dichloroethene
 Concen: 98.126 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

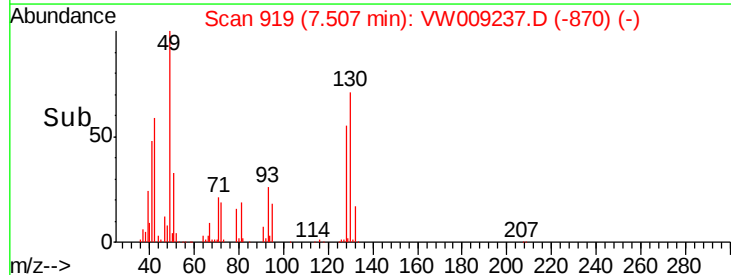
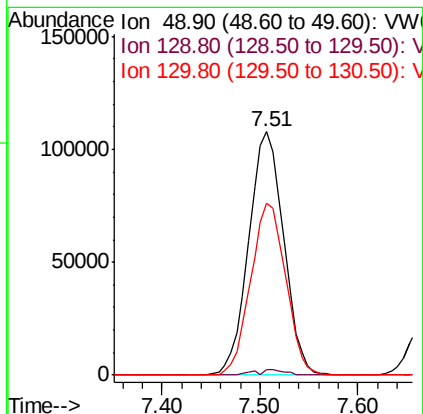
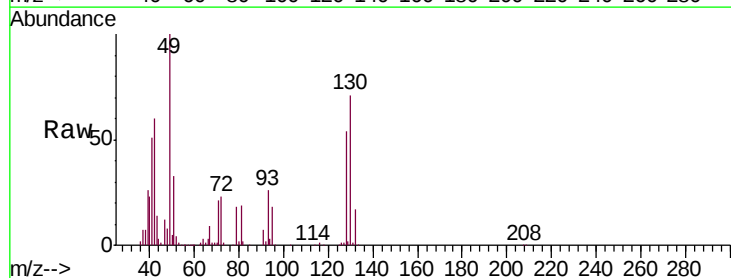
Tgt Ion: 96 Resp: 334599
 Ion Ratio Lower Upper
 96 100
 61 144.8 0.0 289.8
 98 63.1 0.0 130.8

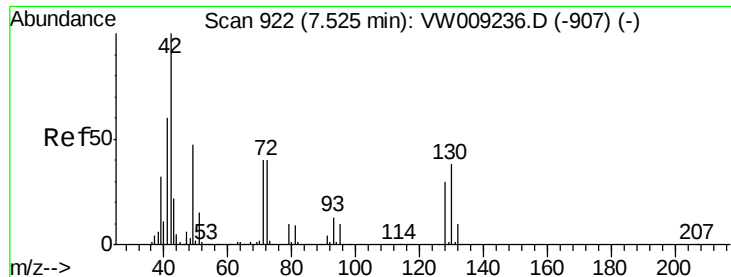


#28

Bromochloromethane
 Concen: 101.643 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion: 49 Resp: 267528
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 1.4#
 130 71.0 58.6 88.0

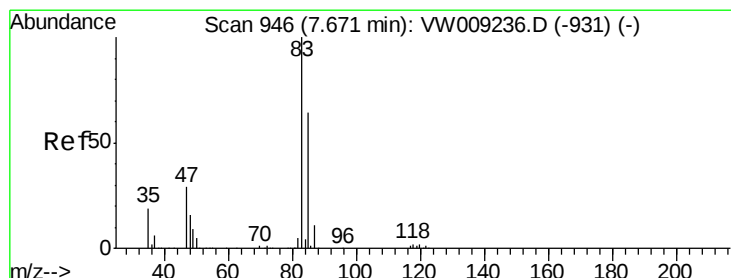
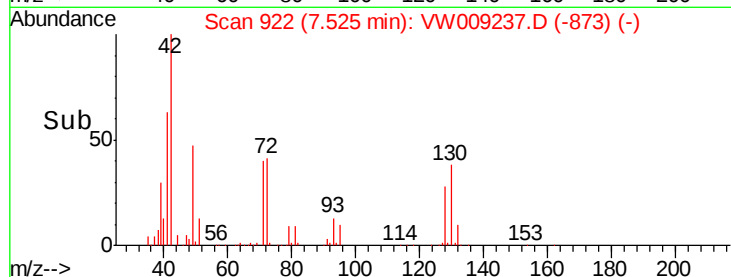
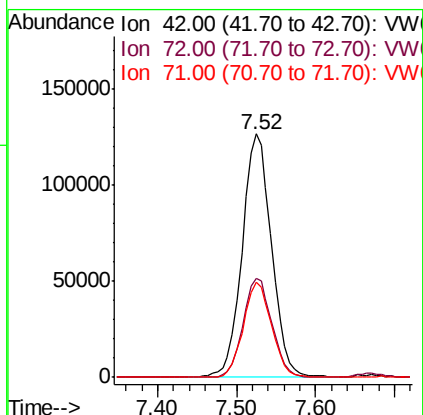
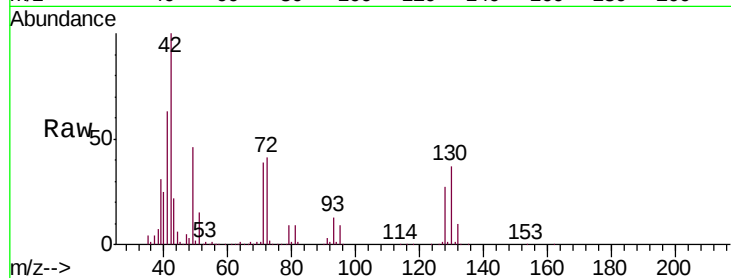




#29
Tetrahydrofuran
Concen: 513.543 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

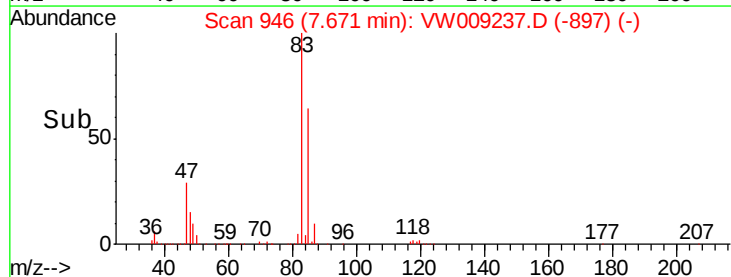
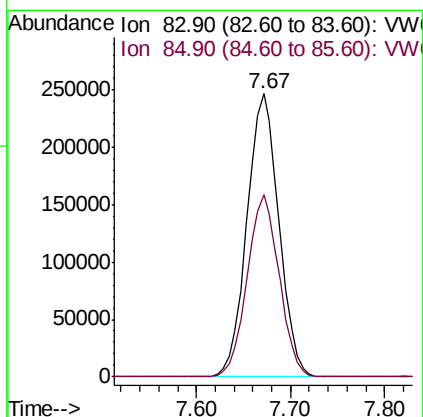
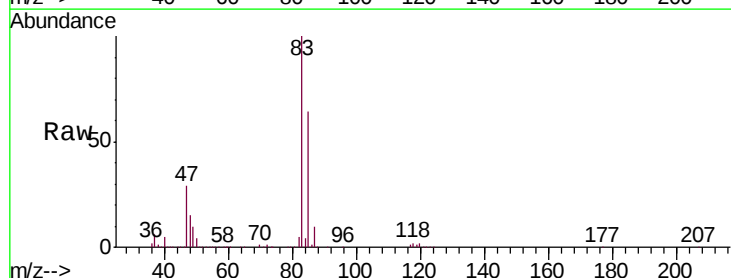
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

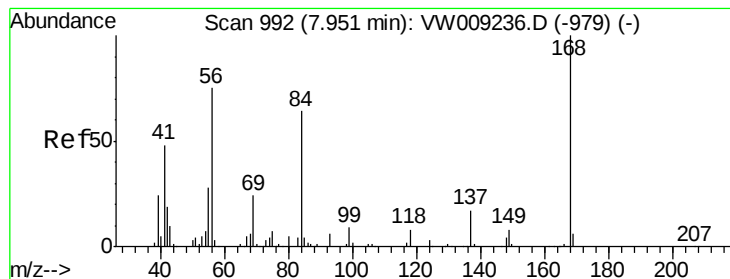
Tgt Ion: 42 Resp: 327197
Ion Ratio Lower Upper
42 100
72 39.9 32.4 48.6
71 37.8 30.1 45.1



#30
Chloroform
Concen: 93.973 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion: 83 Resp: 586721
Ion Ratio Lower Upper
83 100
85 64.3 51.0 76.6





#31

Cyclohexane

Concen: 89.645 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

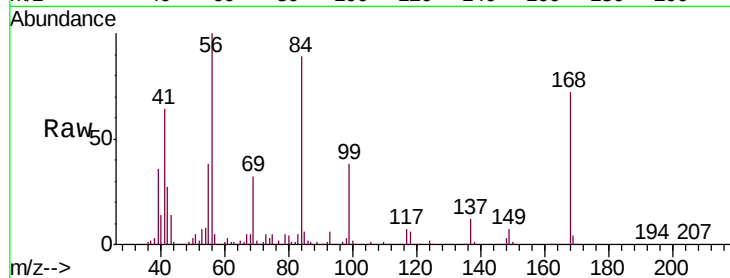
Tgt Ion: 56 Resp: 501507

Ion Ratio Lower Upper

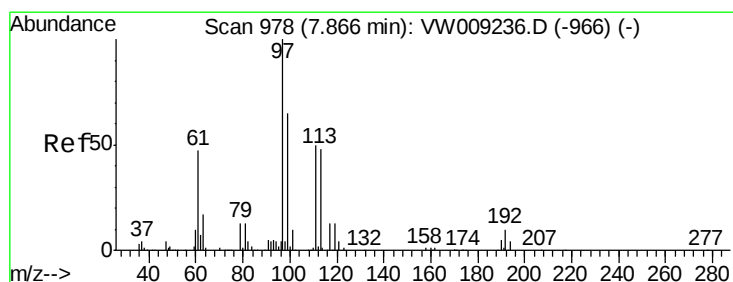
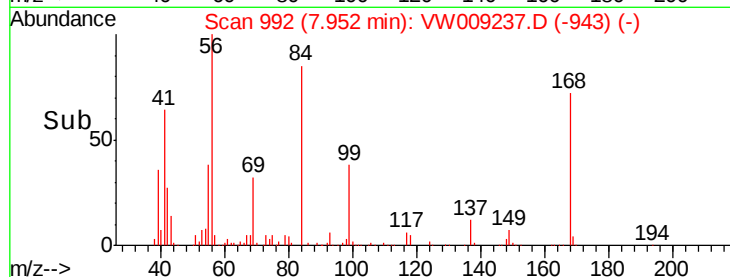
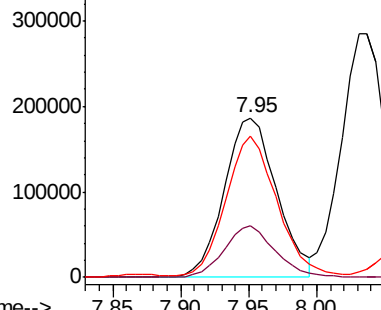
56 100

69 32.3 26.1 39.1

84 87.4 68.6 103.0



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



#32

1,1,1-Trichloroethane

Concen: 92.422 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

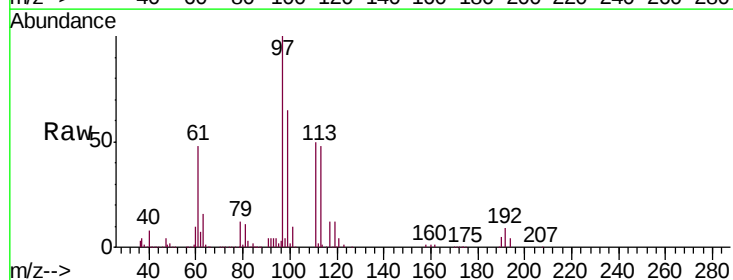
Tgt Ion: 97 Resp: 460603

Ion Ratio Lower Upper

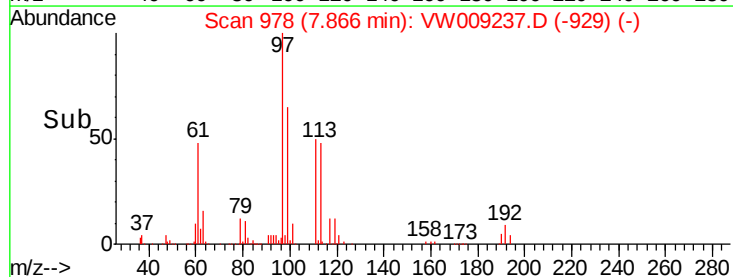
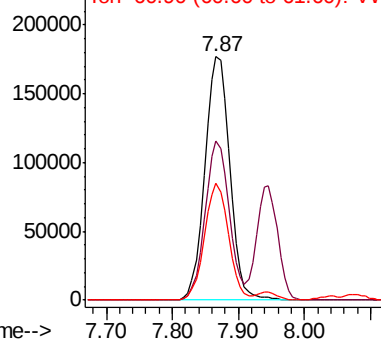
97 100

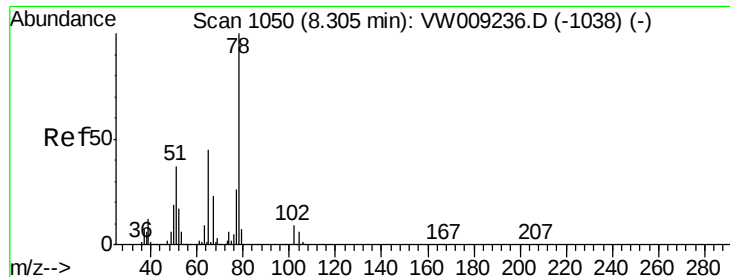
99 63.5 51.9 77.9

61 46.7 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

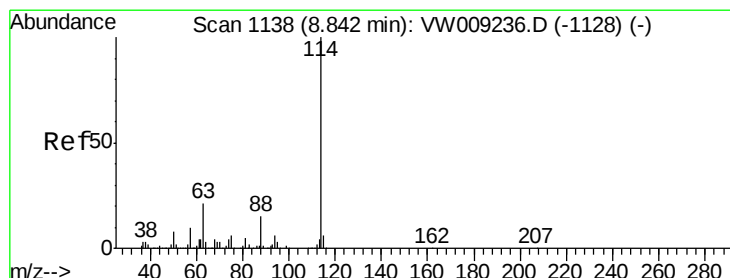
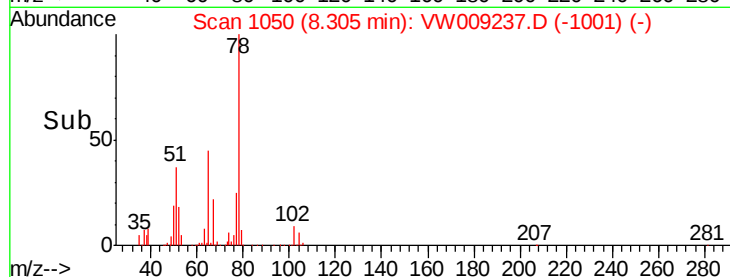
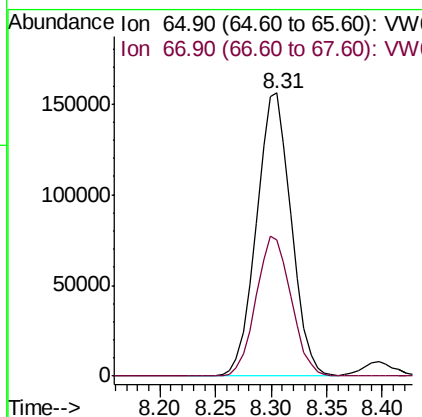
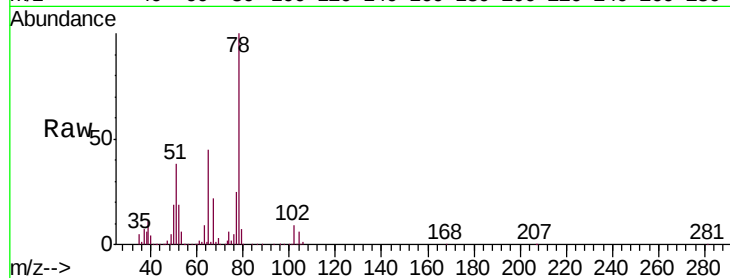




#33
 1,2-Dichloroethane-d4
 Concen: 99.481 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

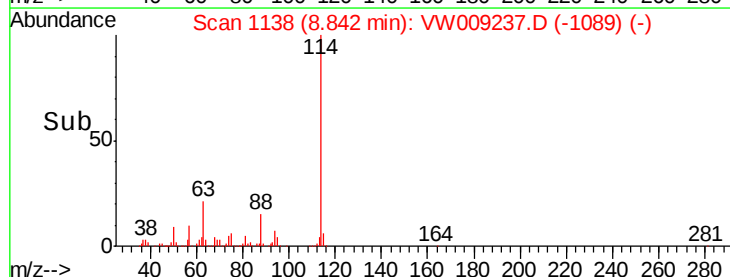
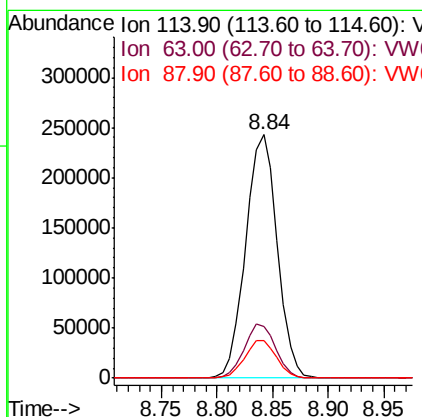
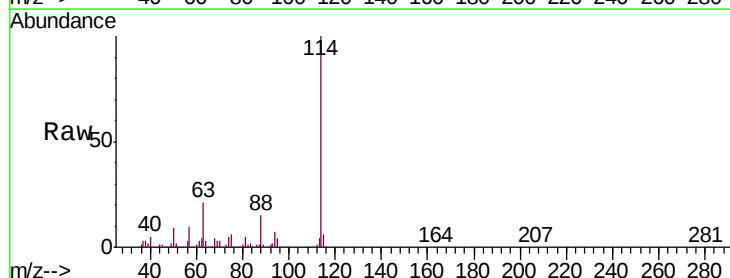
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

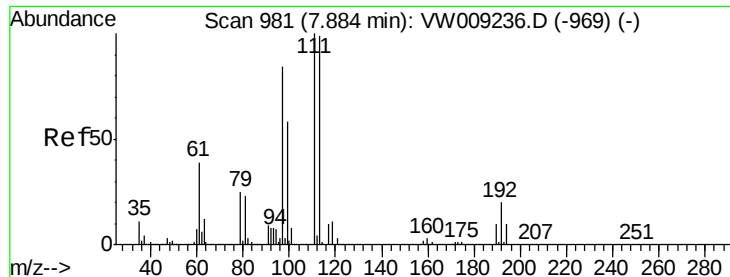
Tgt Ion: 65 Resp: 339201
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion: 114 Resp: 479001
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.2
 88 15.5 0.0 30.8

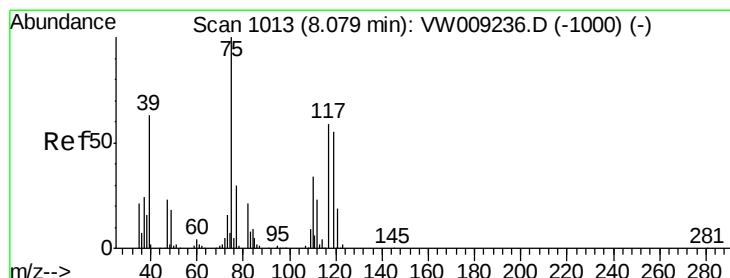
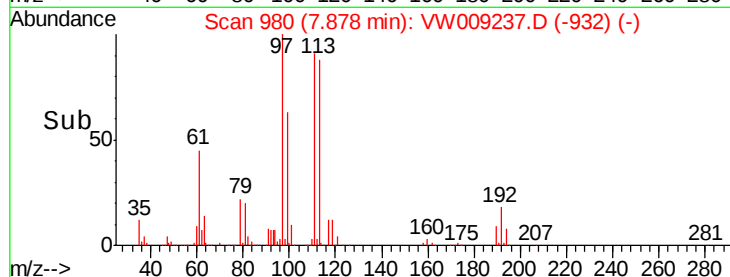
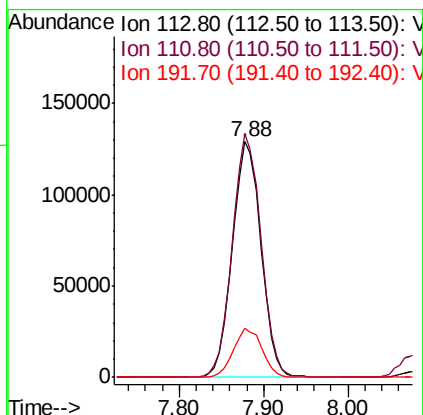
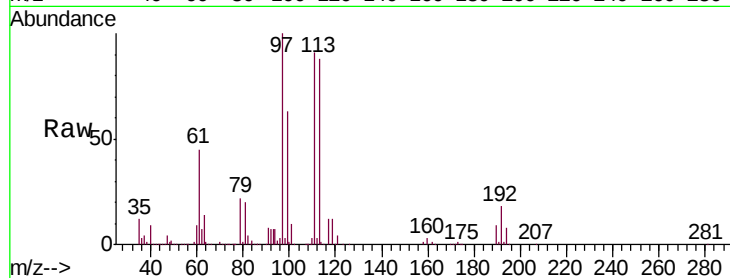




#35
 Dibromofluoromethane
 Concen: 97.477 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

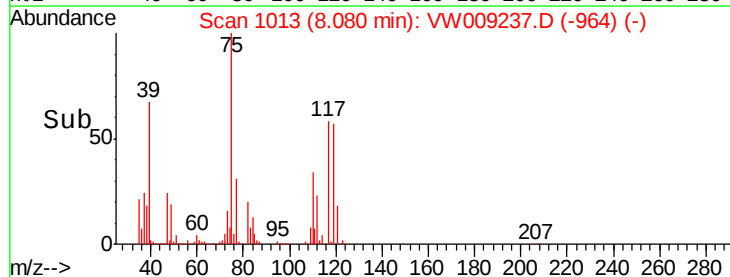
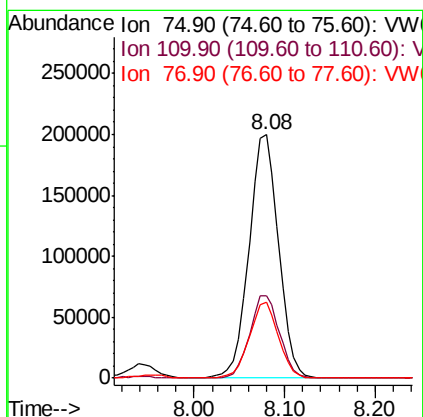
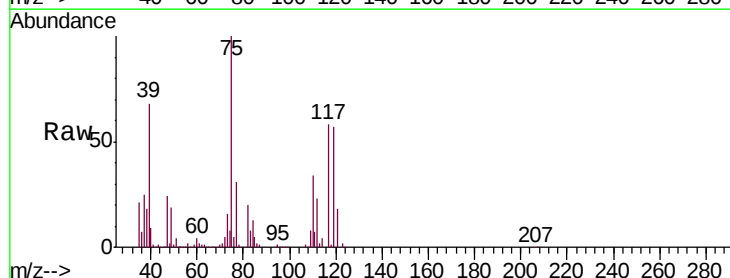
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

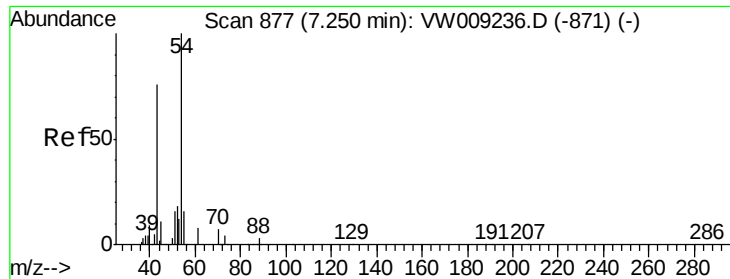
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.6	124.0
192	20.8	16.4	24.6



#36
 1,1-Dichloropropene
 Concen: 94.282 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.8	50.4
77	31.0	24.6	36.8

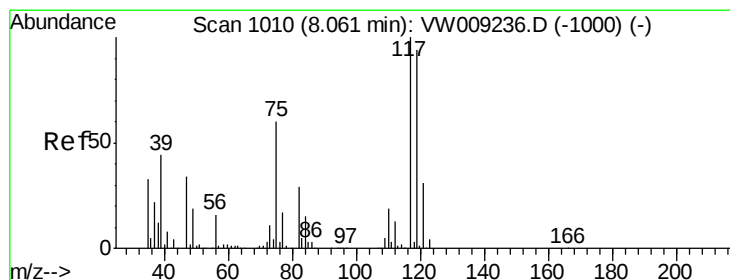
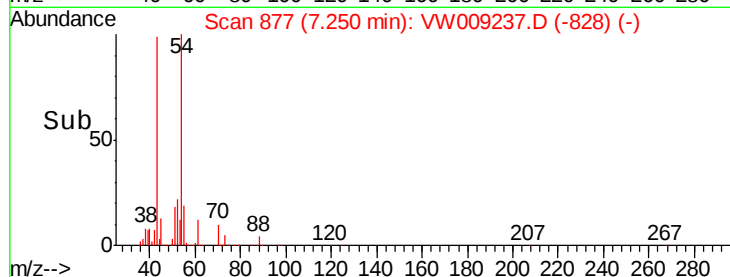
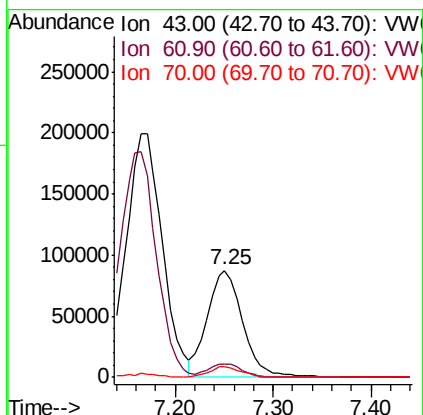
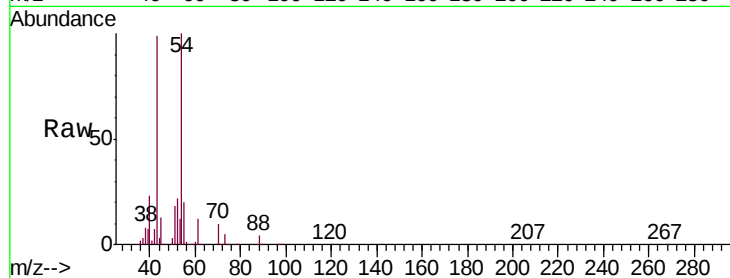




#37
Ethyl Acetate
Concen: 100.504 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

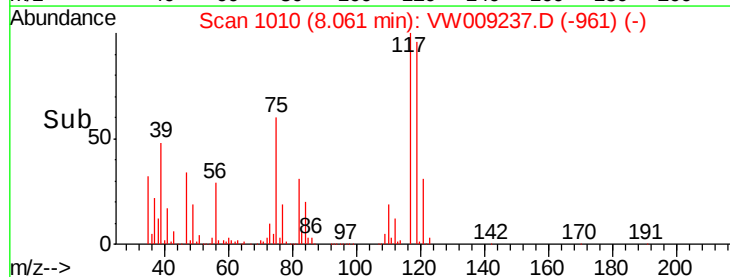
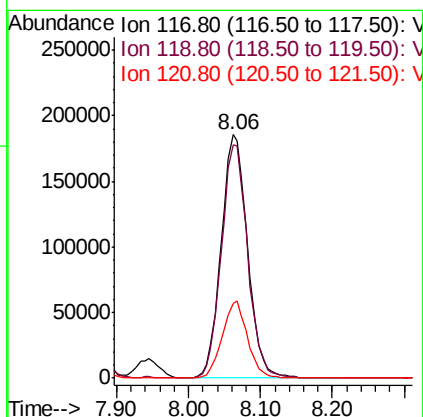
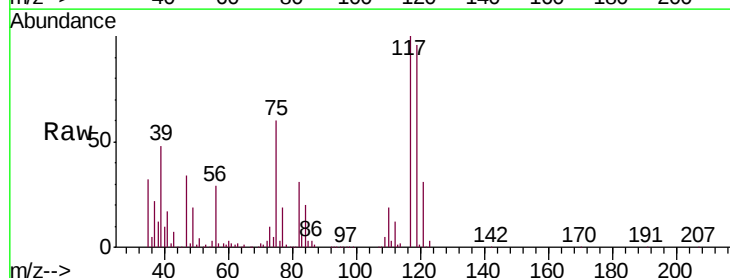
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

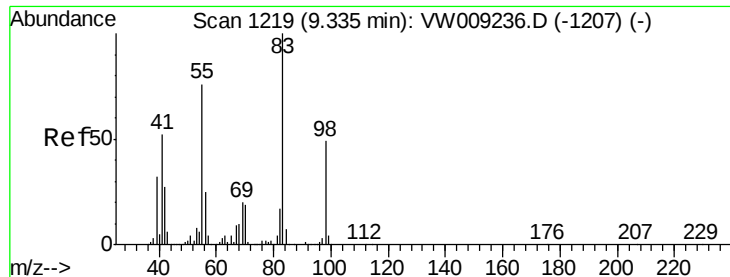
Tgt Ion: 43 Resp: 218600
Ion Ratio Lower Upper
43 100
61 11.9 10.0 15.0
70 9.3 7.3 10.9



#38
Carbon Tetrachloride
Concen: 93.539 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion: 117 Resp: 471841
Ion Ratio Lower Upper
117 100
119 95.9 75.4 113.0
121 30.7 24.9 37.3

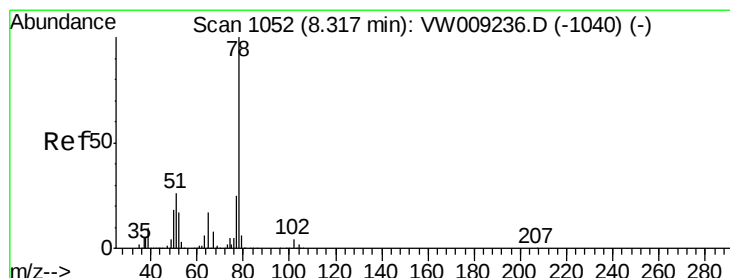
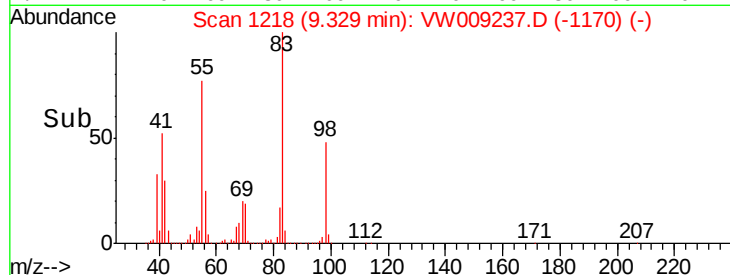
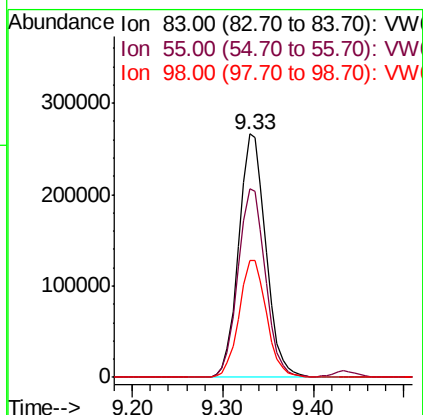
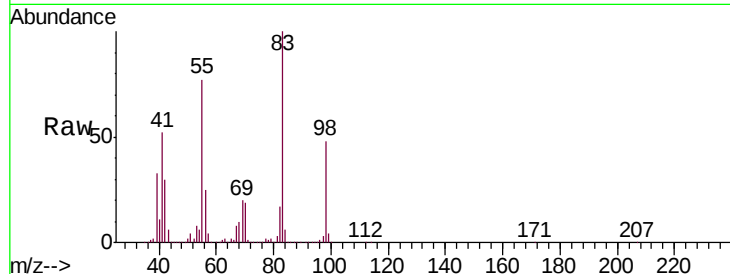




#39
Methylcyclohexane
Concen: 100.030 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

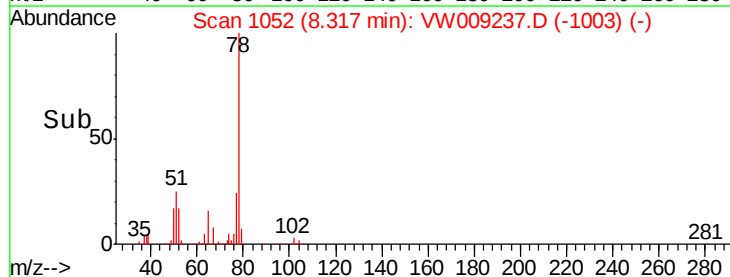
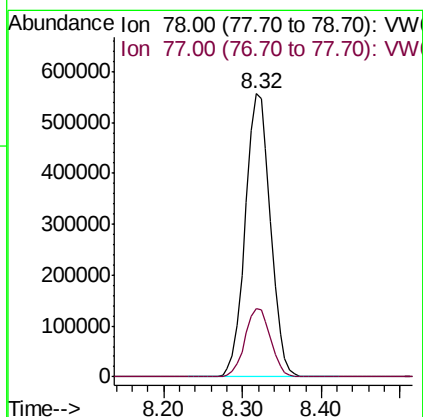
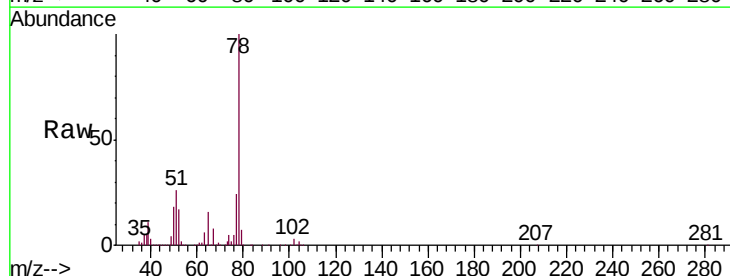
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

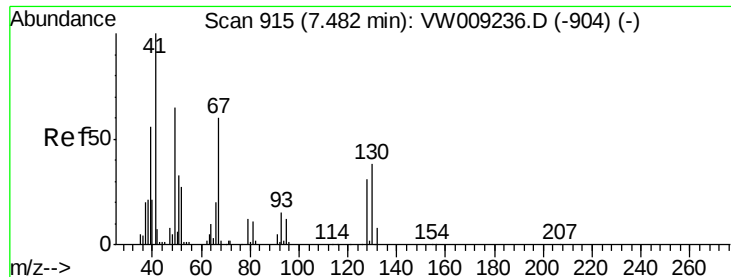
Tgt Ion: 83 Resp: 551637
Ion Ratio Lower Upper
83 100
55 77.4 61.1 91.7
98 48.2 39.0 58.4



#40
Benzene
Concen: 95.475 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion: 78 Resp: 1234082
Ion Ratio Lower Upper
78 100
77 24.3 19.8 29.6

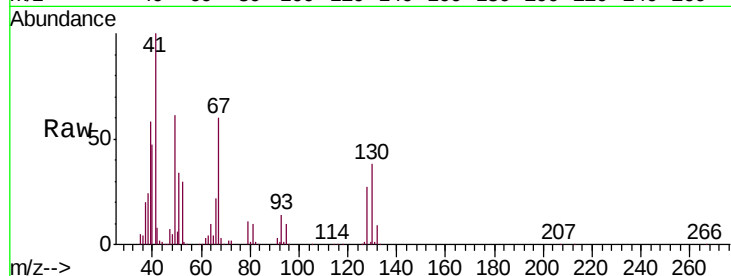




#41
Methacrylonitrile
Concen: 102.340 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	119971
Ion	Ratio	Lower	Upper
41	100		
39	65.4	52.5	78.7
67	73.0	56.6	84.8
52	32.3	27.2	40.8



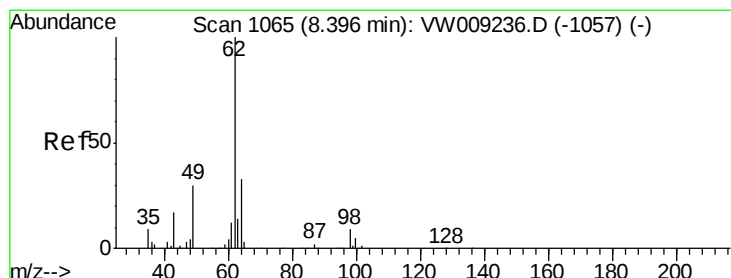
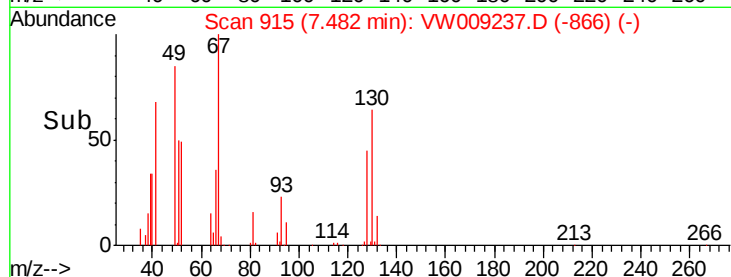
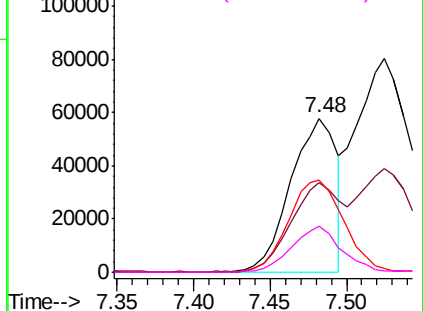
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

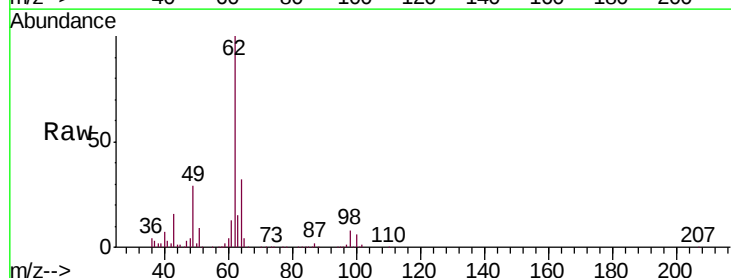
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 96.277 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

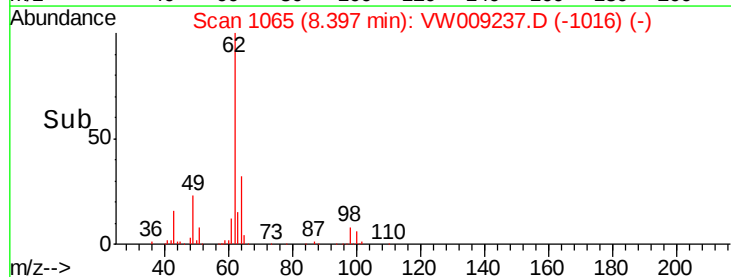
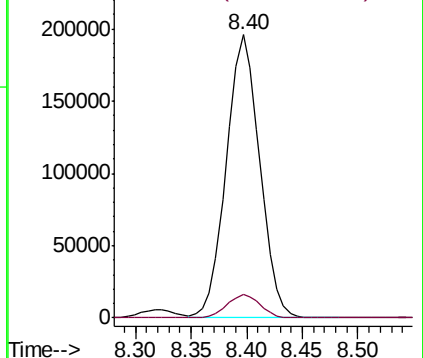
Tgt Ion:	62	Resp:	406799
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.4

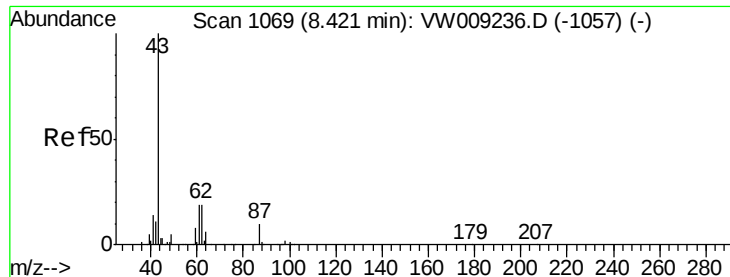


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 101.756 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

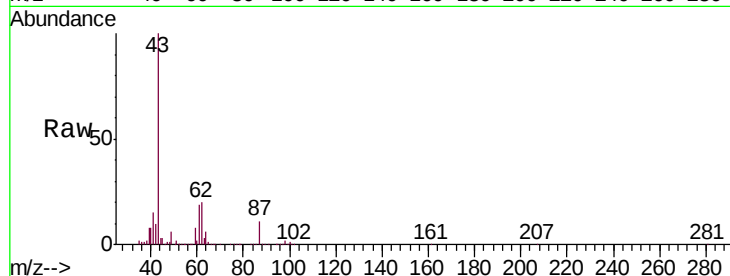
Tgt Ion: 43 Resp: 443179

Ion Ratio Lower Upper

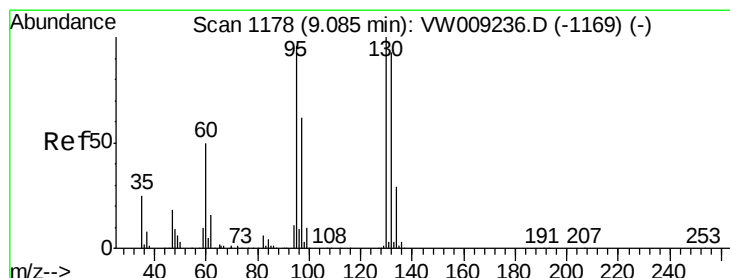
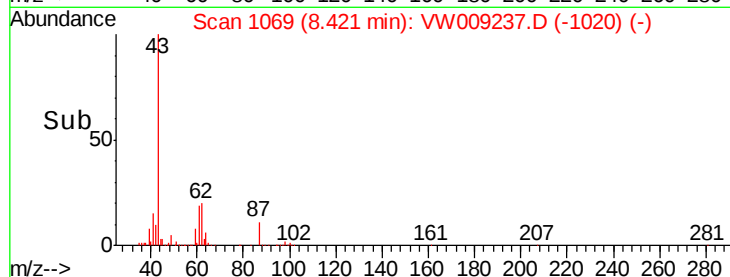
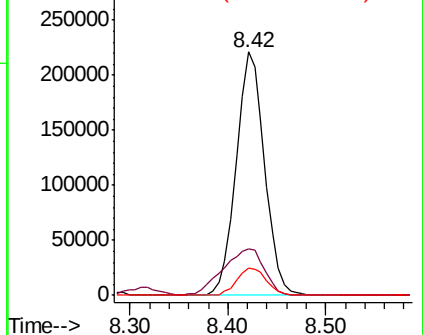
43 100

61 27.8 22.2 33.2

87 11.7 9.6 14.4



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



#44

Trichloroethene

Concen: 93.512 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009237.D

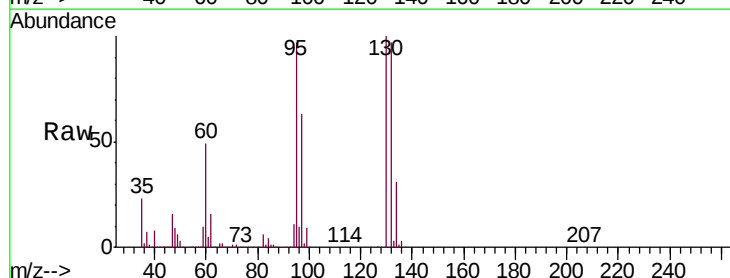
Acq: 19 Mar 2019 12:46

Tgt Ion: 130 Resp: 331121

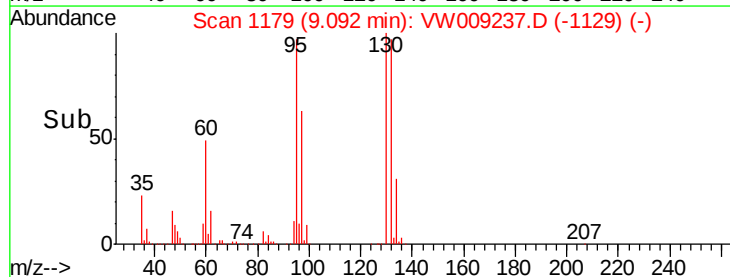
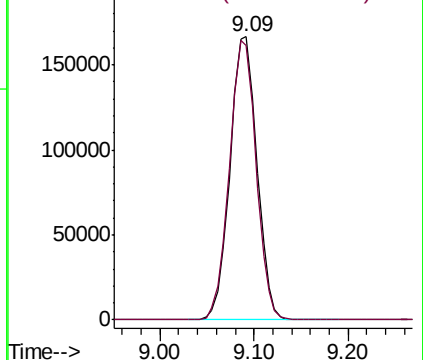
Ion Ratio Lower Upper

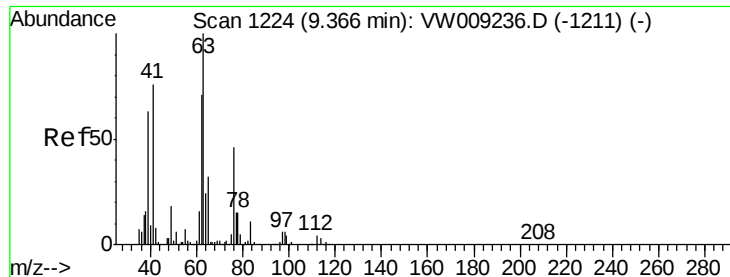
130 100

95 96.9 0.0 192.6



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





#45

1,2-Dichloropropane

Concen: 95.570 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

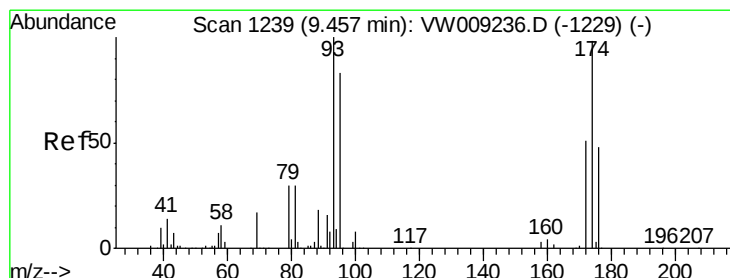
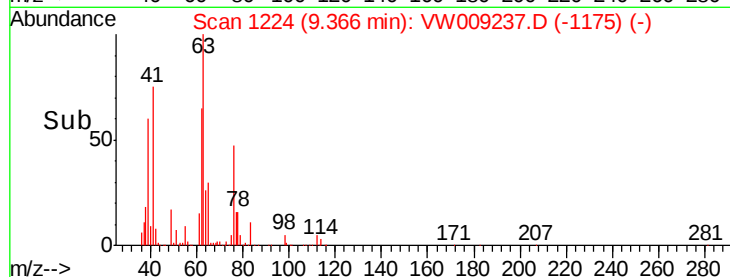
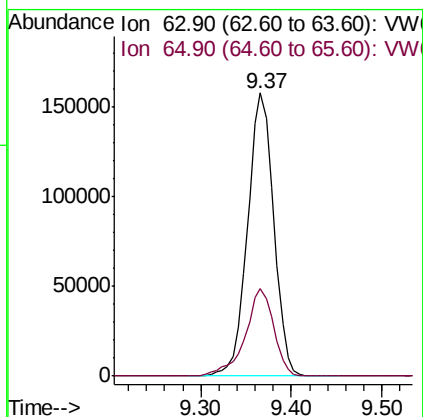
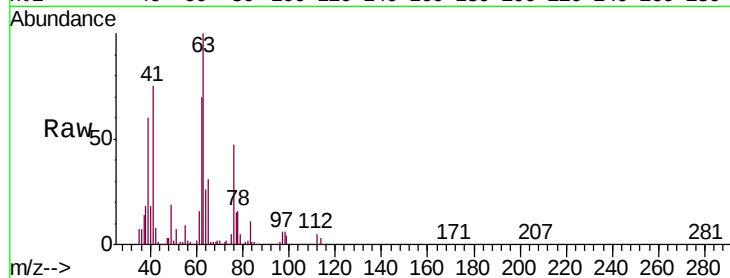
VSTDIC100

Tgt Ion: 63 Resp: 314030

Ion Ratio Lower Upper

63 100

65 30.8 25.8 38.8



#46

Dibromomethane

Concen: 96.020 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

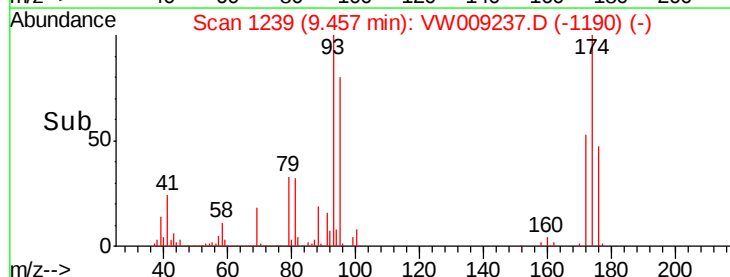
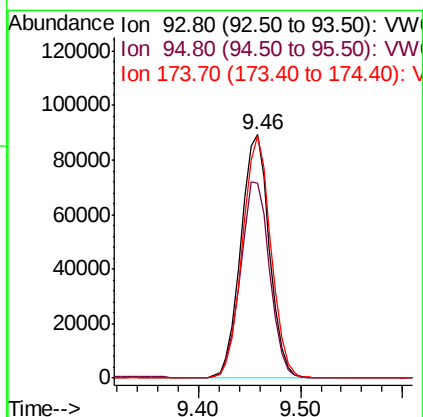
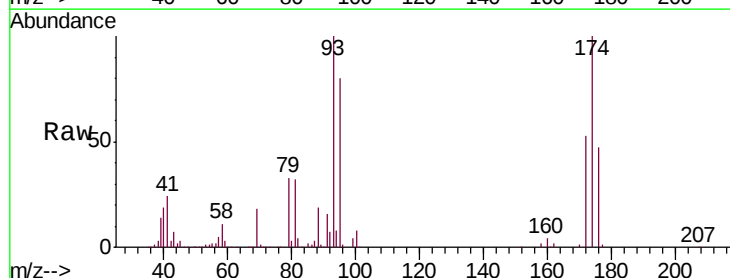
Tgt Ion: 93 Resp: 173498

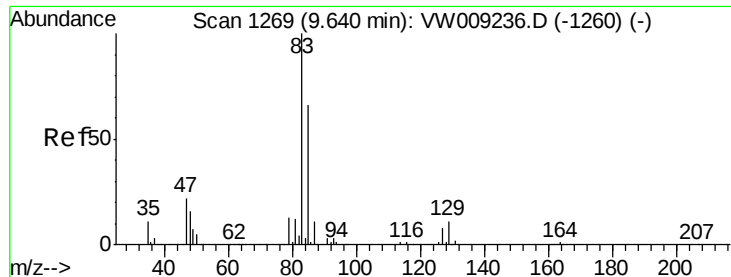
Ion Ratio Lower Upper

93 100

95 82.5 66.9 100.3

174 99.1 80.8 121.2

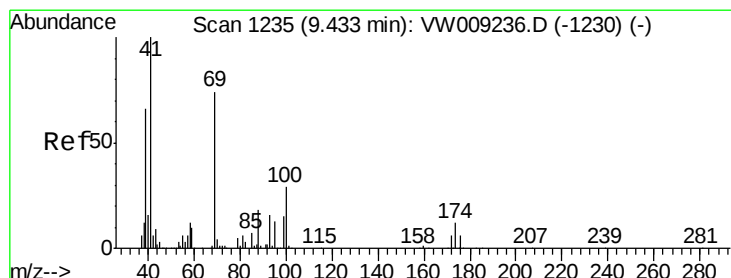
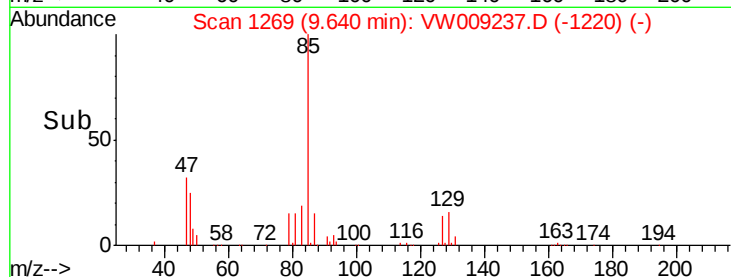
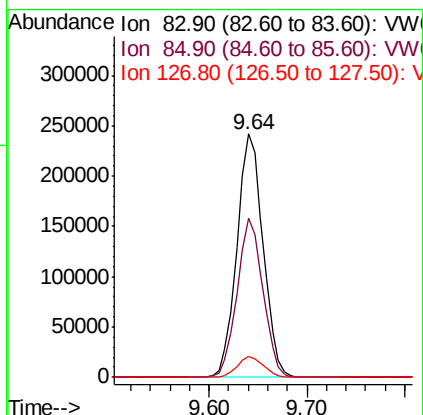
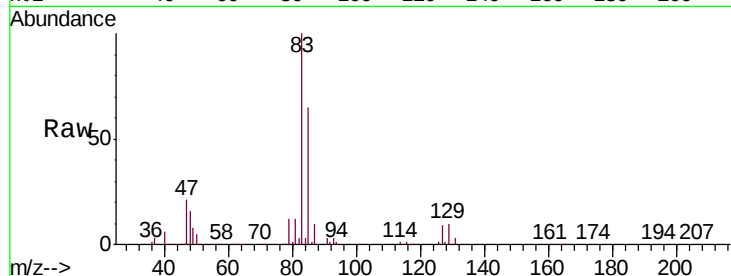




#47
Bromodichloromethane
Concen: 97.983 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

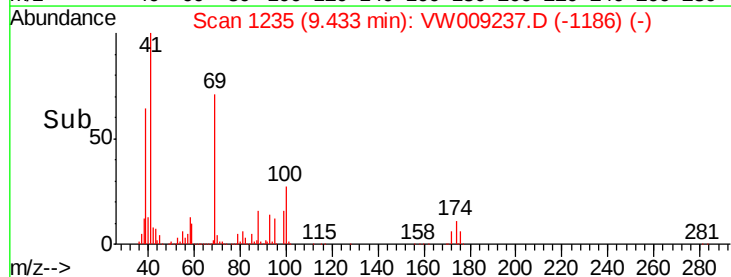
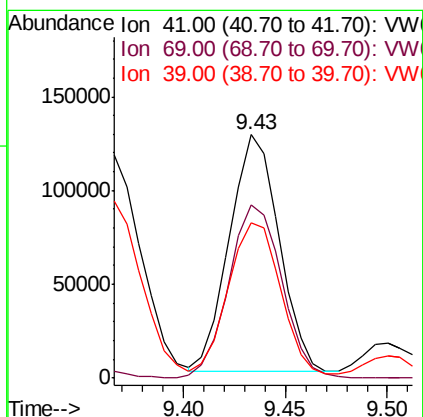
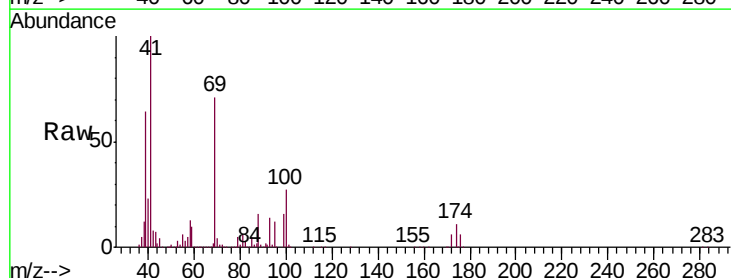
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

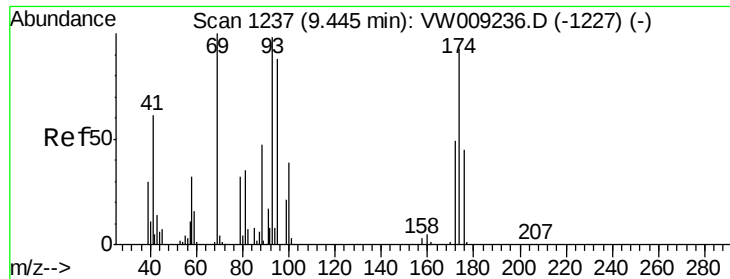
Tgt Ion: 83 Resp: 447392
Ion Ratio Lower Upper
83 100
85 65.3 52.6 79.0
127 8.8 6.5 9.7



#48
Methyl methacrylate
Concen: 105.979 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion: 41 Resp: 213699
Ion Ratio Lower Upper
41 100
69 78.3 63.0 94.6
39 67.1 57.2 85.8





#49

1,4-Dioxane

Concen: 2130.620 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

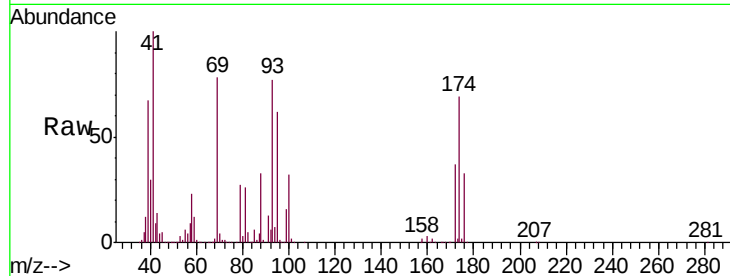
Tgt Ion: 88 Resp: 59713

Ion Ratio Lower Upper

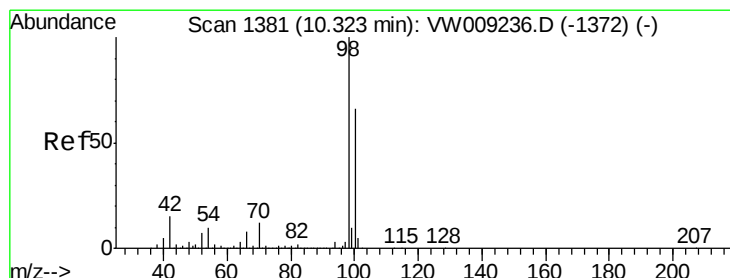
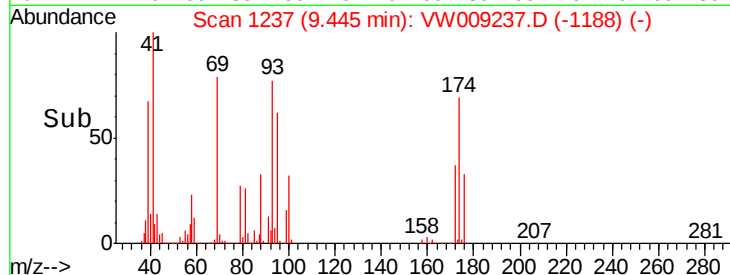
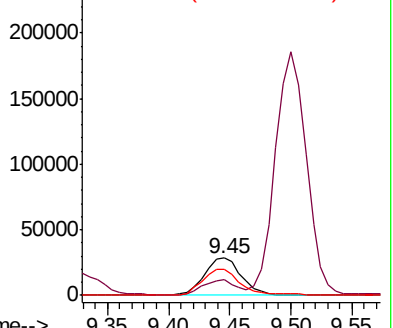
88 100

43 37.8 29.7 44.5

58 69.6 58.1 87.1



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 102.639 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009237.D

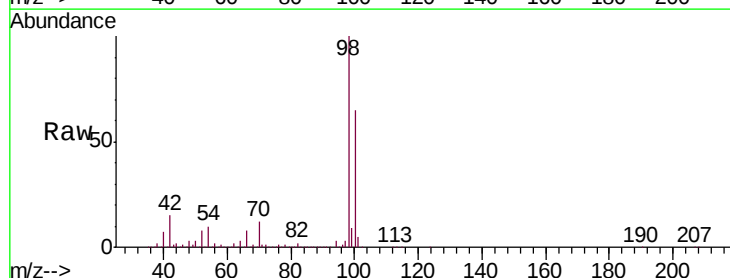
Acq: 19 Mar 2019 12:46

Tgt Ion: 98 Resp: 1133361

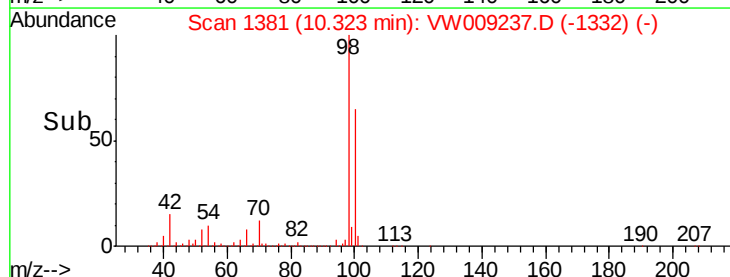
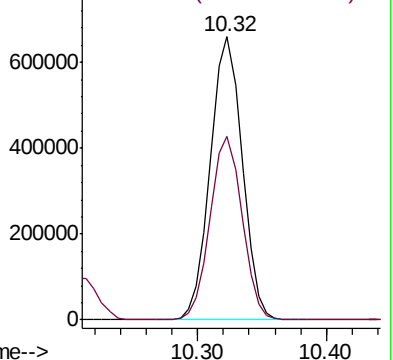
Ion Ratio Lower Upper

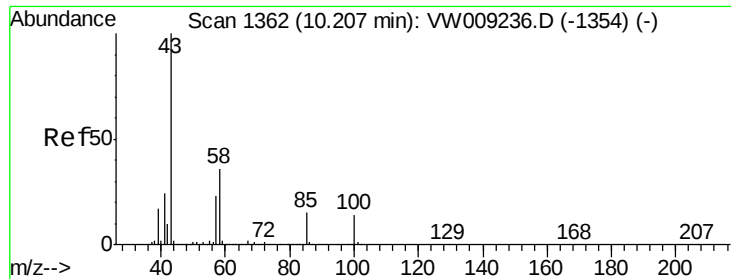
98 100

100 64.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

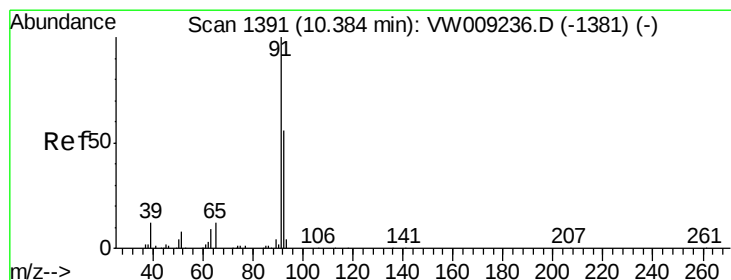
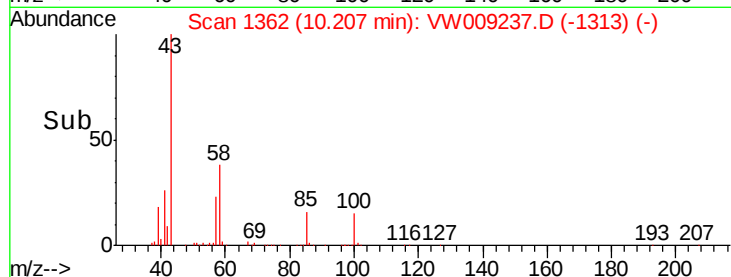
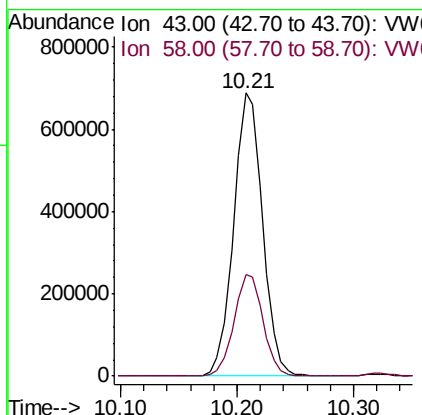
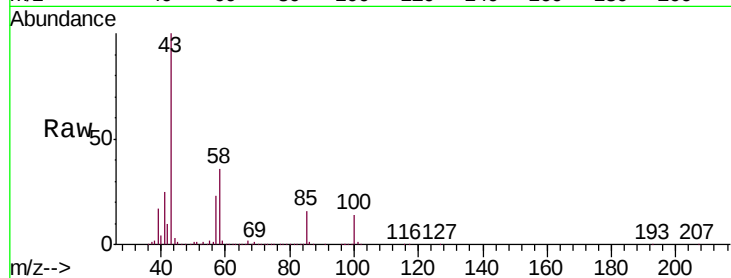




#51
 4-Methyl-2-Pentanone
 Concen: 523.527 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

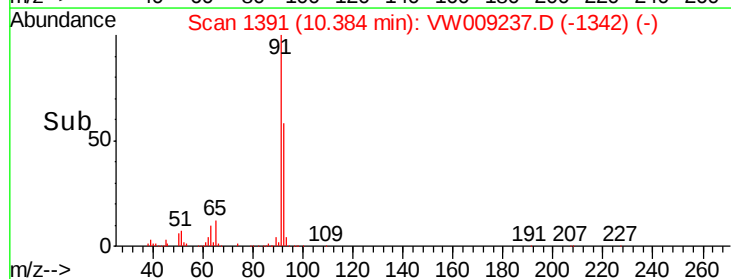
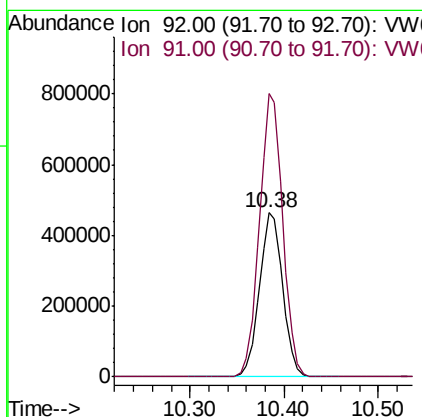
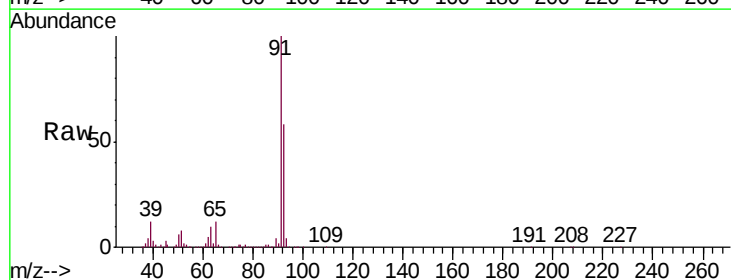
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

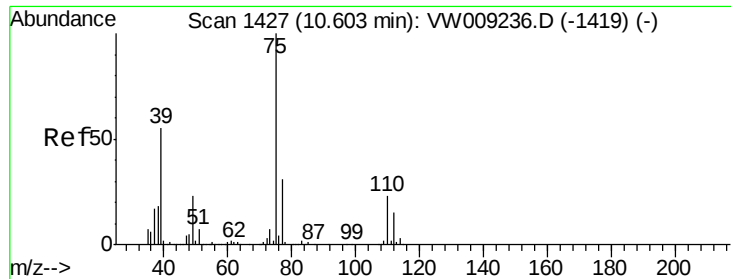
Tgt Ion: 43 Resp: 1188310
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.6 42.8



#52
 Toluene
 Concen: 98.526 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion: 92 Resp: 806945
 Ion Ratio Lower Upper
 92 100
 91 172.6 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 104.014 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

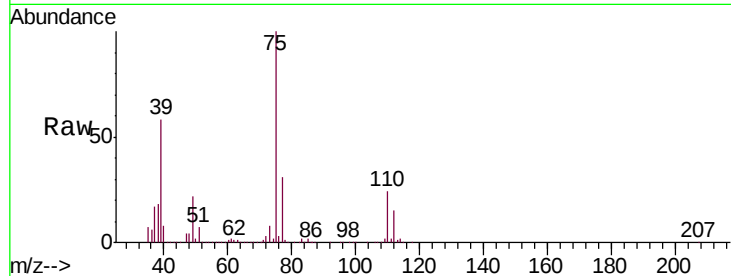
VSTDIC100

Tgt Ion: 75 Resp: 463128

Ion Ratio Lower Upper

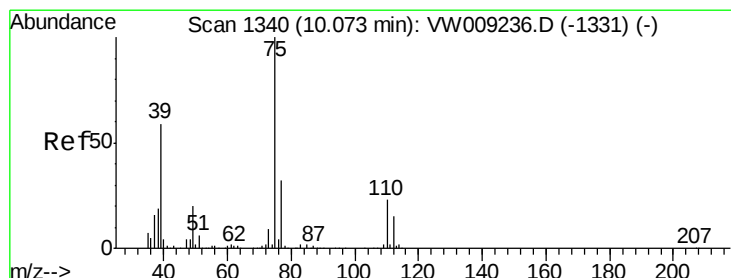
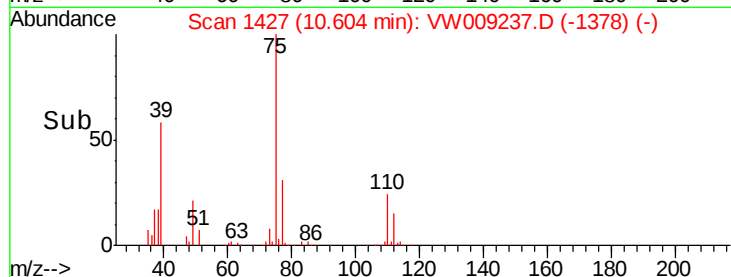
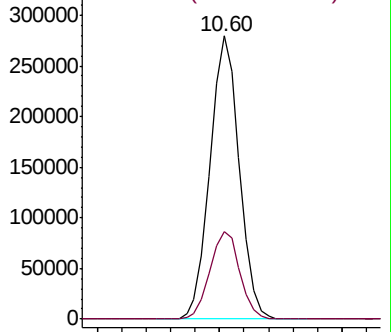
75 100

77 30.9 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 100.886 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

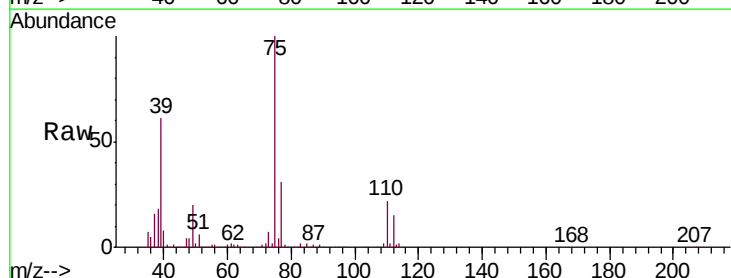
Tgt Ion: 75 Resp: 505360

Ion Ratio Lower Upper

75 100

77 30.6 25.9 38.9

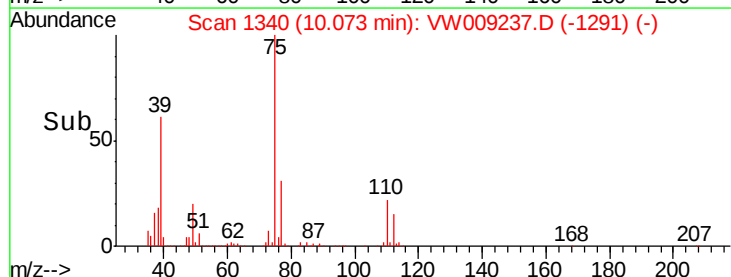
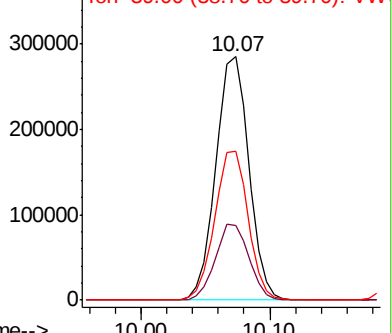
39 61.2 46.8 70.2

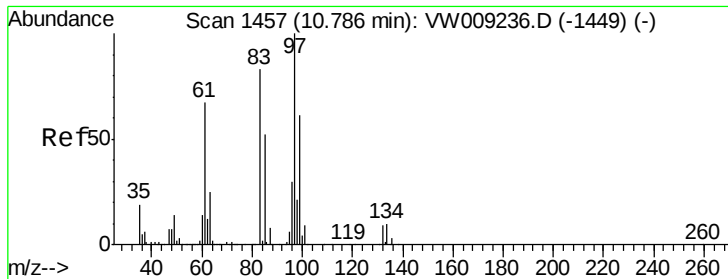


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

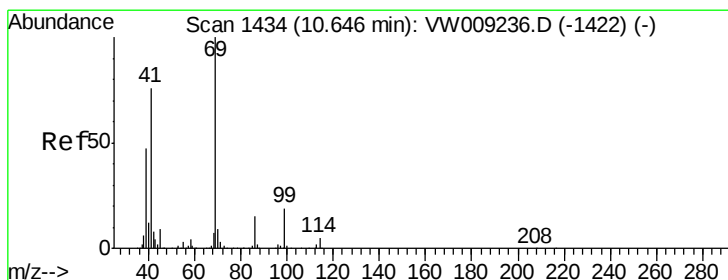
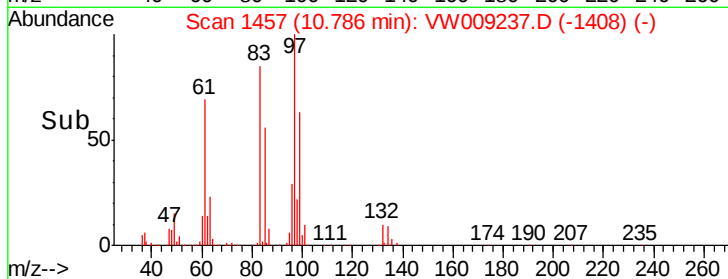
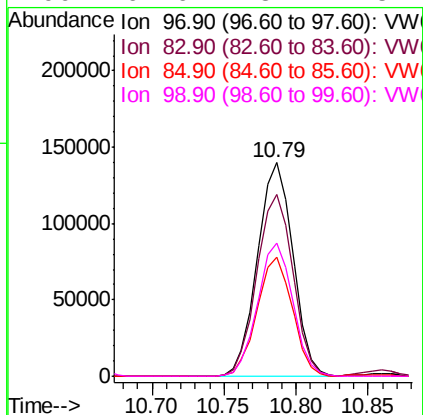
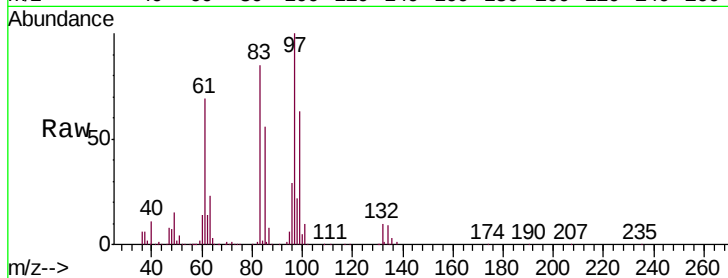




#55
 1,1,2-Trichloroethane
 Concen: 97.657 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

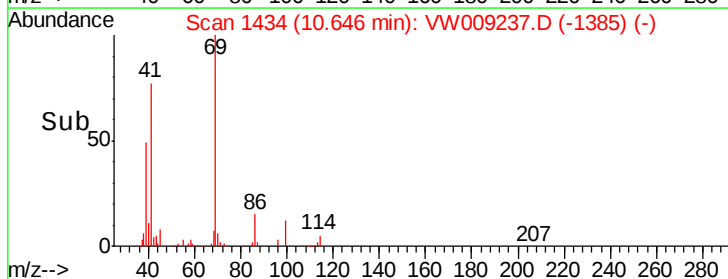
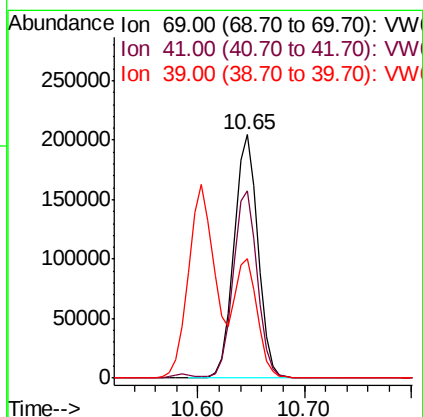
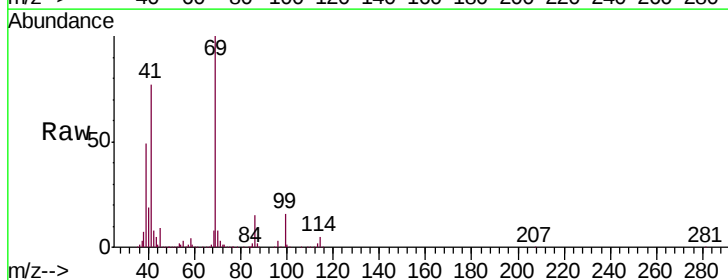
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

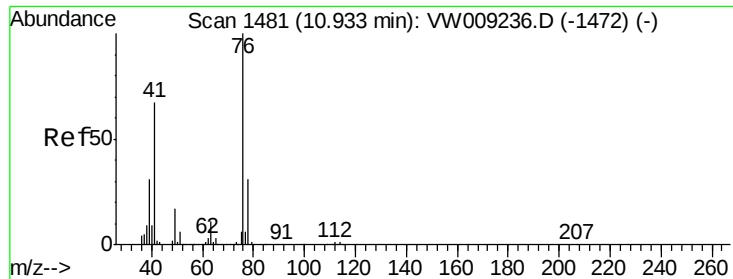
Tgt Ion:	97	Resp:	238937
Ion	Ratio	Lower	Upper
97	100		
83	85.2	66.3	99.5
85	55.5	41.4	62.2
99	62.6	48.7	73.1



#56
 Ethyl methacrylate
 Concen: 110.822 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion:	69	Resp:	322868
Ion	Ratio	Lower	Upper
69	100		
41	77.6	59.3	88.9
39	45.9	36.2	54.2





#57

1,3-Dichloropropane

Concen: 99.801 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampled :

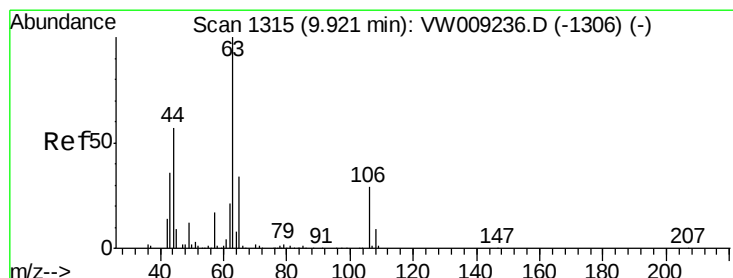
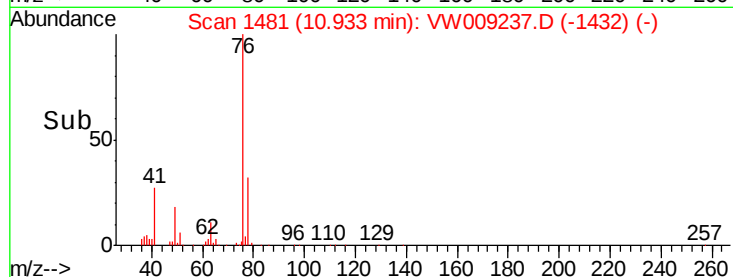
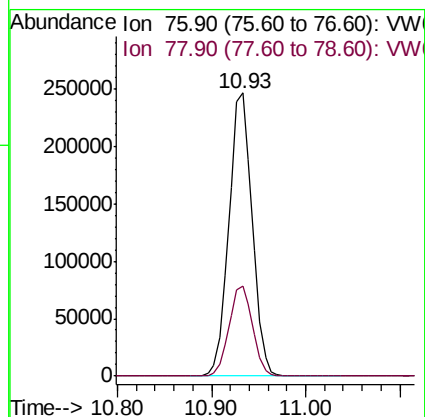
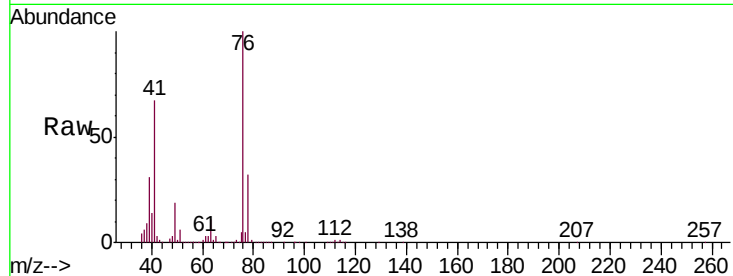
VSTDIC100

Tgt Ion: 76 Resp: 421155

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 197.527 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW009237.D

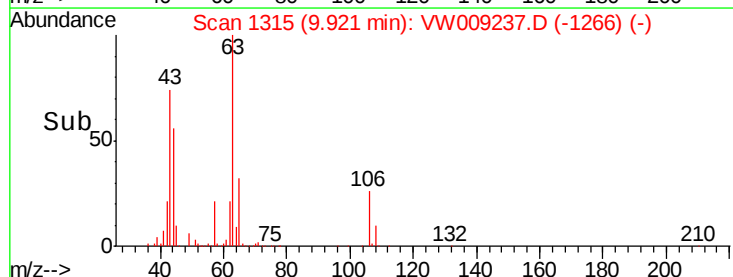
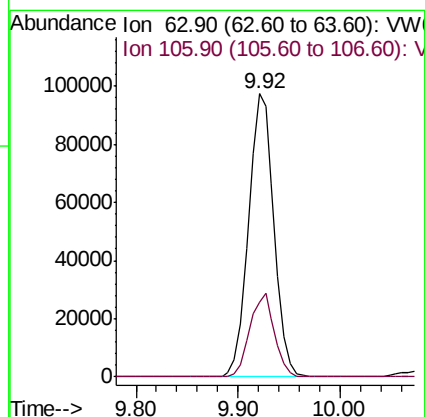
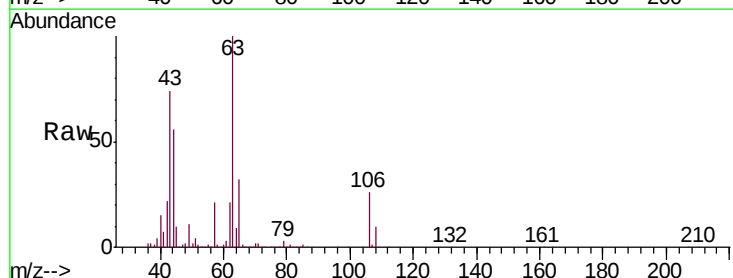
Acq: 19 Mar 2019 12:46

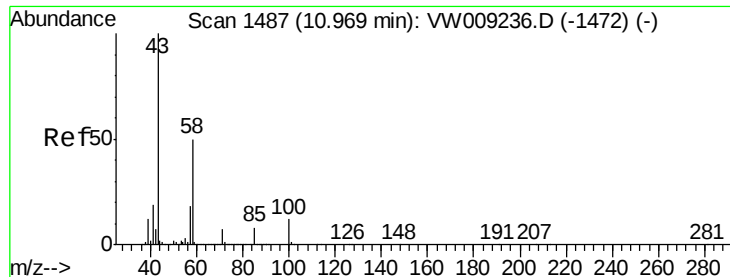
Tgt Ion: 63 Resp: 168382

Ion Ratio Lower Upper

63 100

106 28.6 22.9 34.3

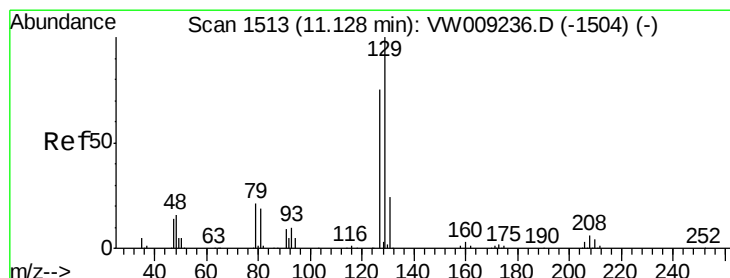
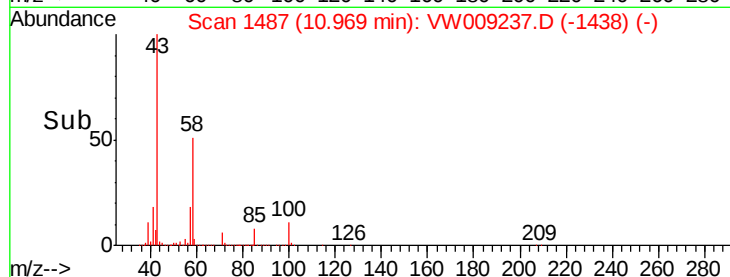
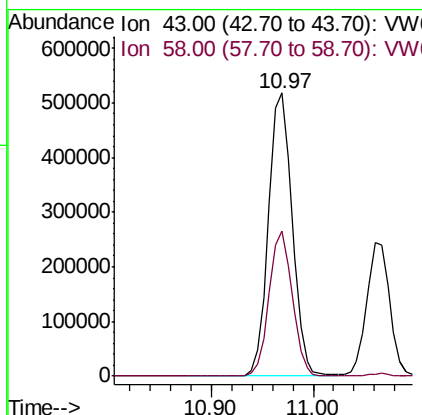
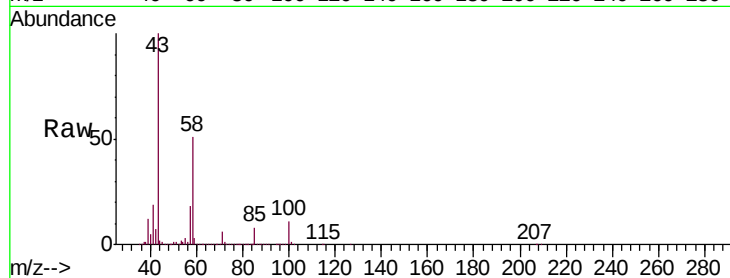




#59
2-Hexanone
Concen: 542.608 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

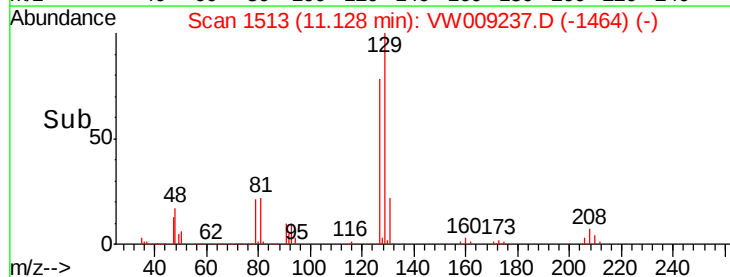
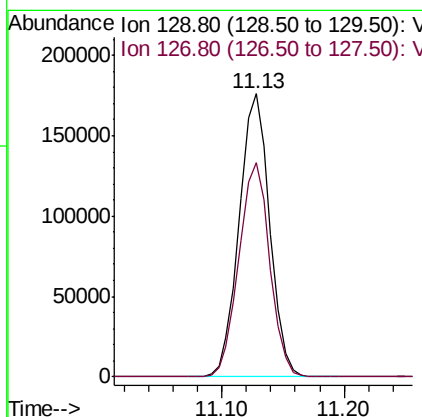
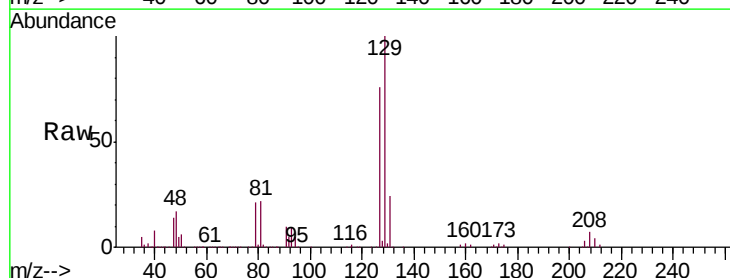
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

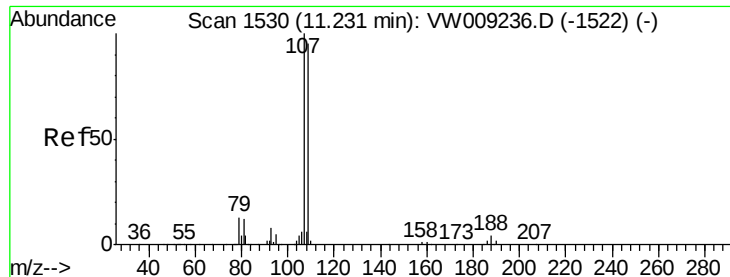
Tgt Ion: 43 Resp: 836147
Ion Ratio Lower Upper
43 100
58 49.8 24.2 72.6



#60
Dibromochloromethane
Concen: 100.641 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion: 129 Resp: 304222
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.5

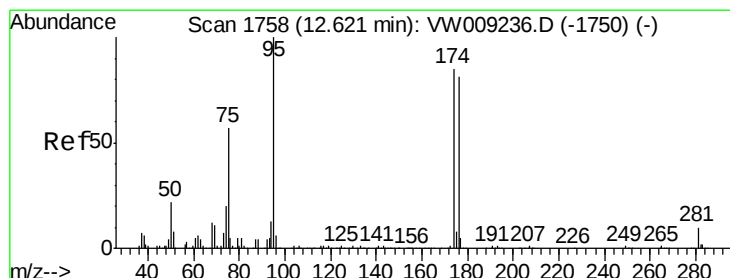
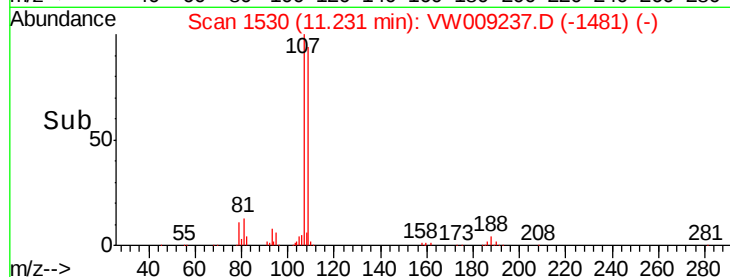
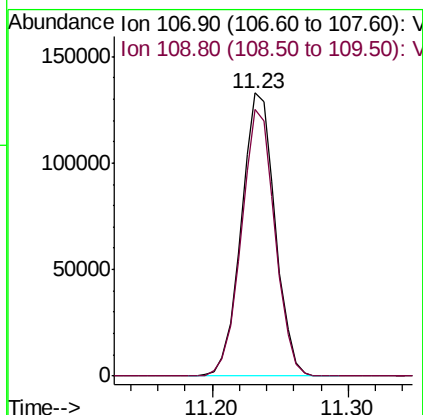
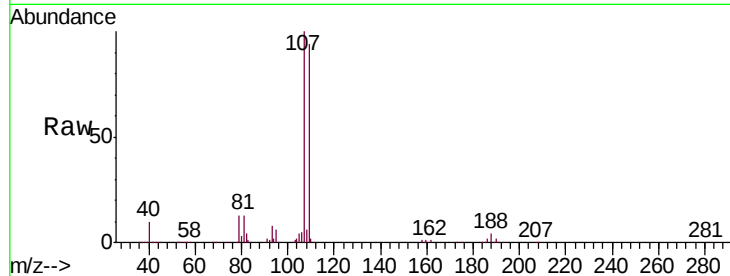




#61
 1,2-Dibromoethane
 Concen: 98.875 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

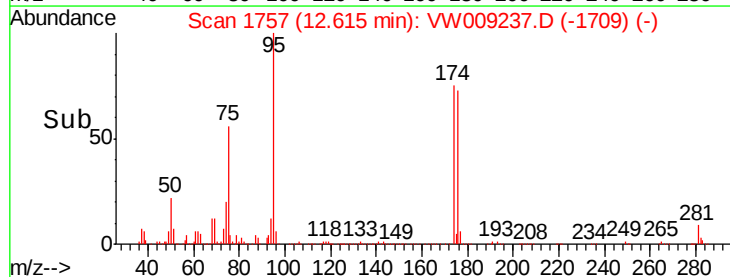
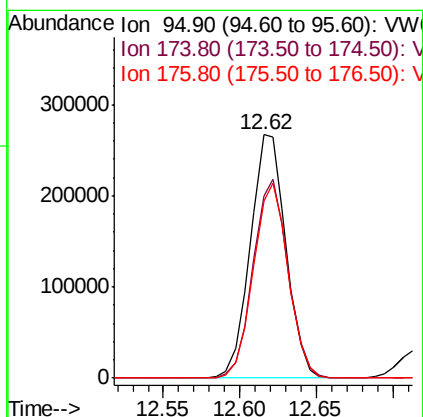
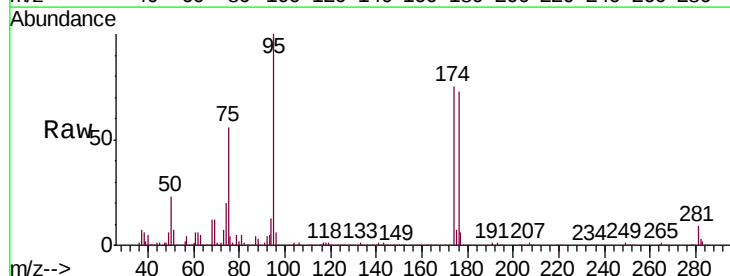
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

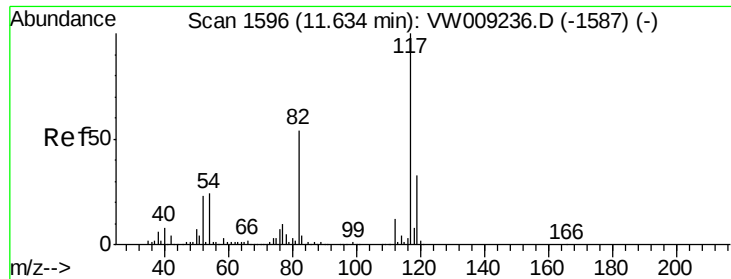
Tgt Ion: 107 Resp: 230408
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 106.499 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion: 95 Resp: 431783
 Ion Ratio Lower Upper
 95 100
 174 80.1 0.0 168.4
 176 78.3 0.0 161.6

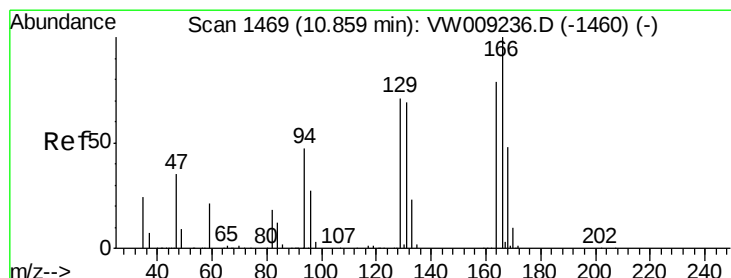
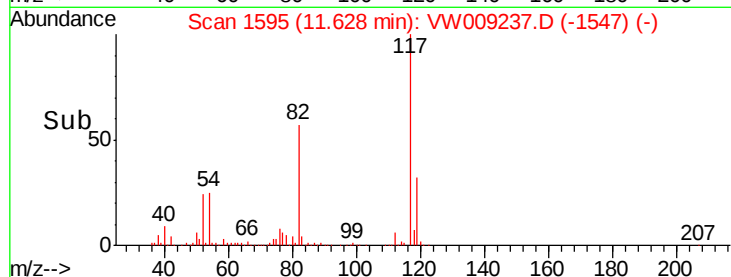
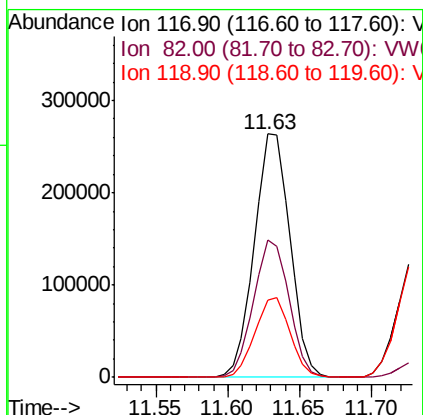
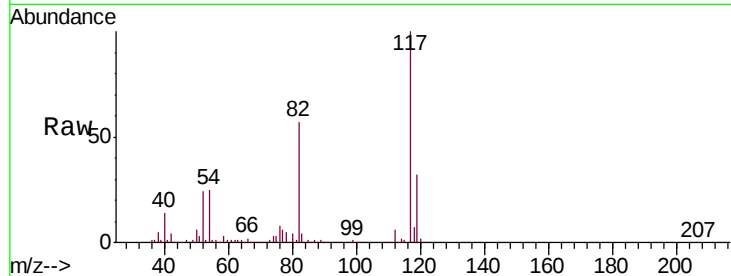




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

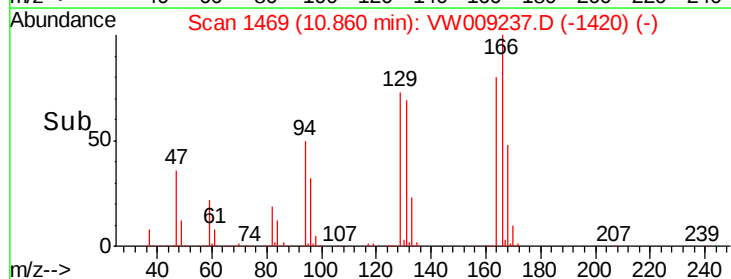
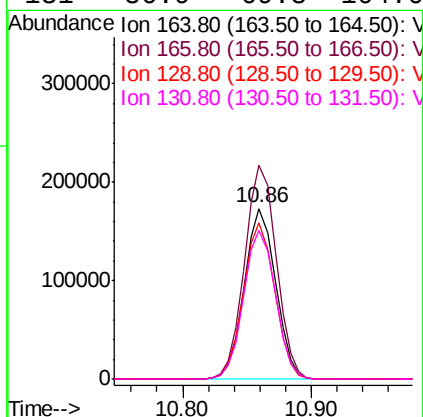
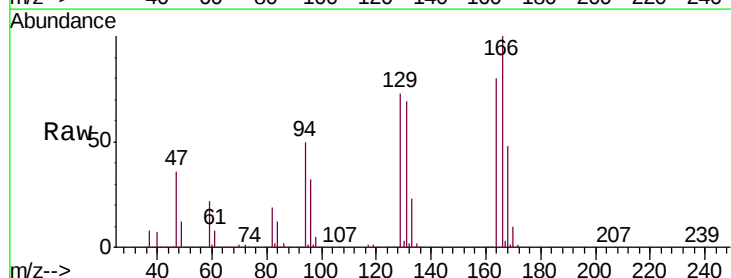
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

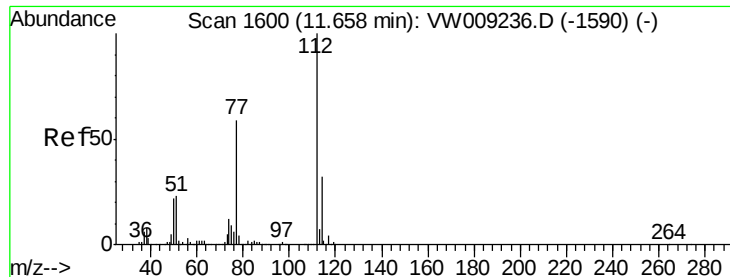
Tgt Ion:117 Resp: 452190
Ion Ratio Lower Upper
117 100
82 56.6 43.6 65.4
119 31.9 26.0 39.0



#64
Tetrachloroethene
Concen: 93.687 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion:164 Resp: 290129
Ion Ratio Lower Upper
164 100
166 125.2 100.9 151.3
129 91.4 72.0 108.0
131 86.9 69.8 104.6

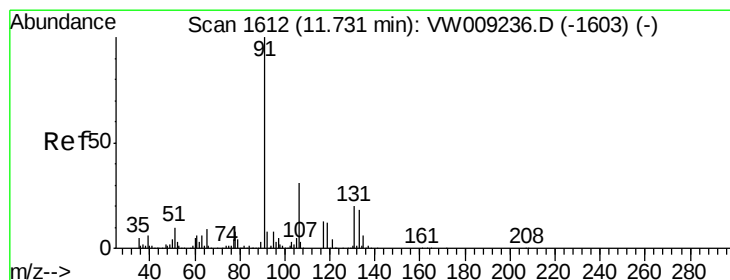
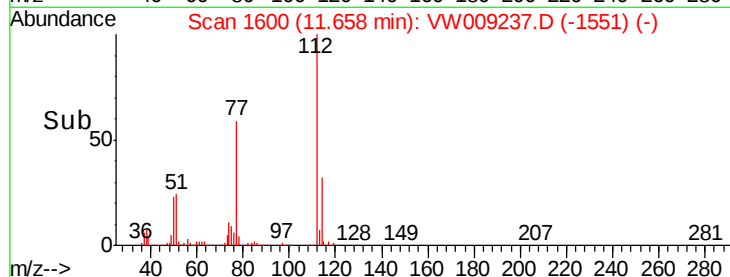
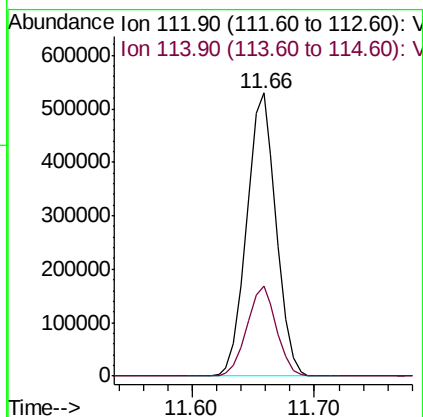
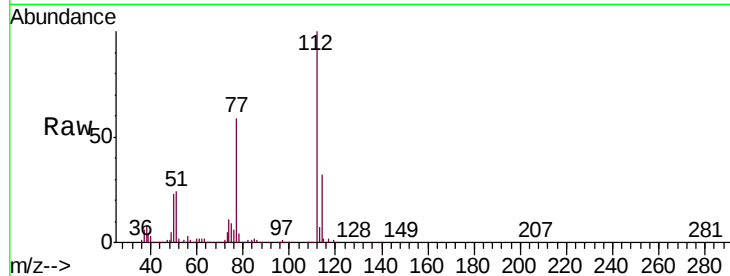




#65
Chlorobenzene
Concen: 94.156 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

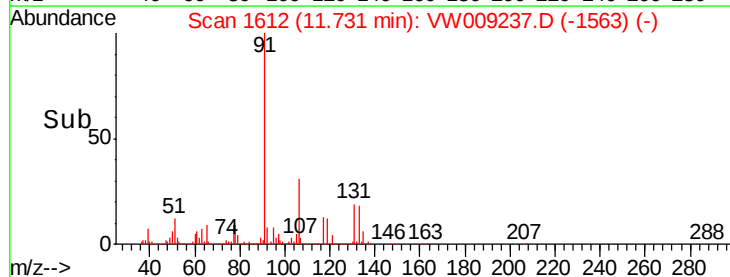
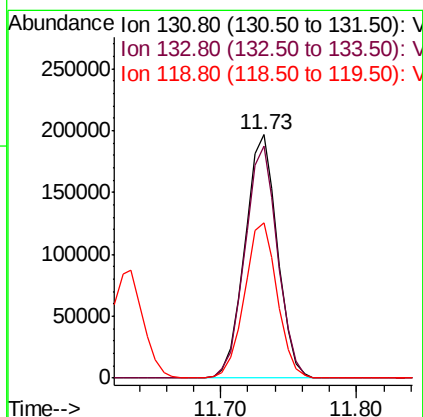
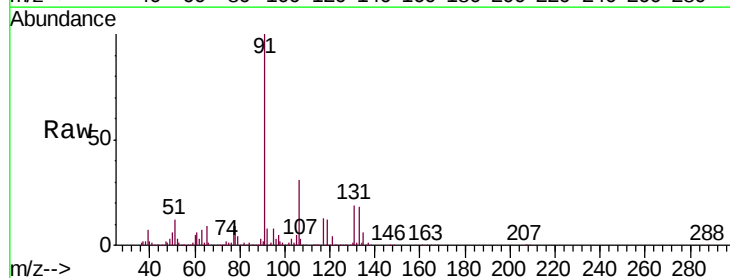
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

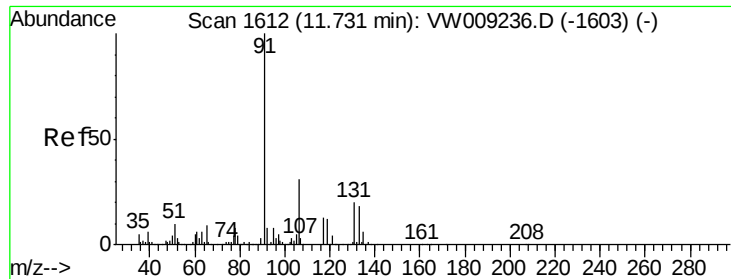
Tgt Ion:112 Resp: 880526
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 94.127 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion:131 Resp: 328797
Ion Ratio Lower Upper
131 100
133 96.0 47.3 141.8
119 64.0 31.6 95.0

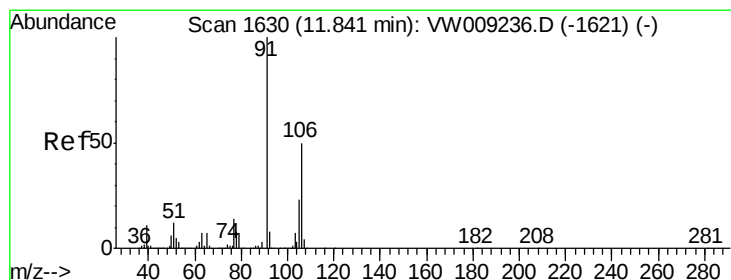
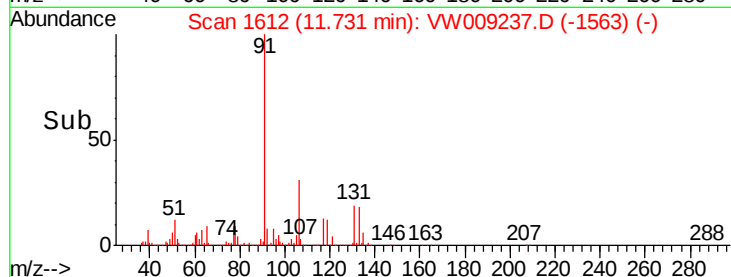
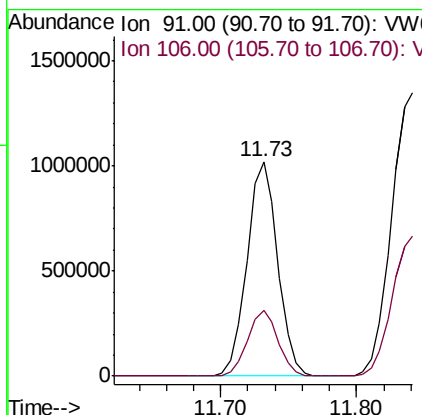
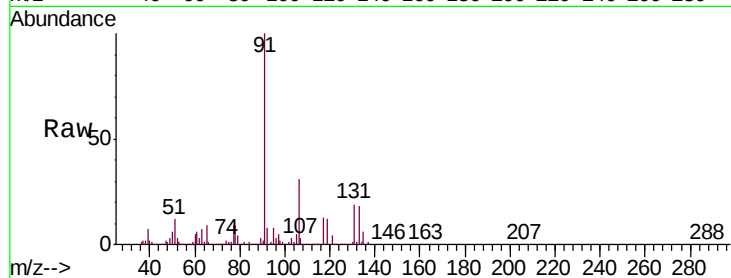




#67
Ethyl Benzene
Concen: 99.280 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

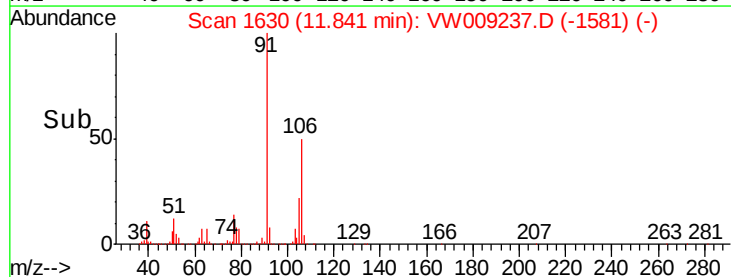
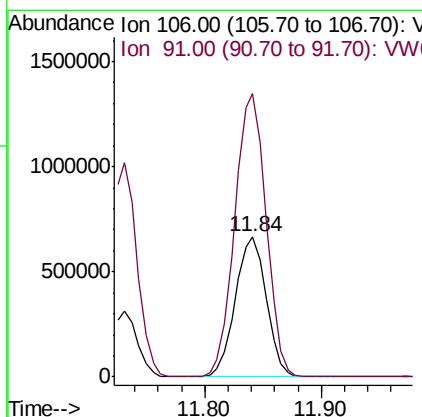
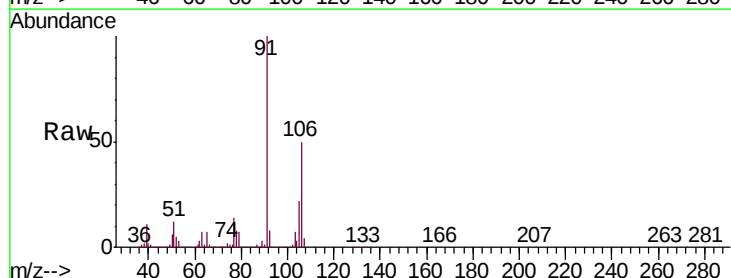
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

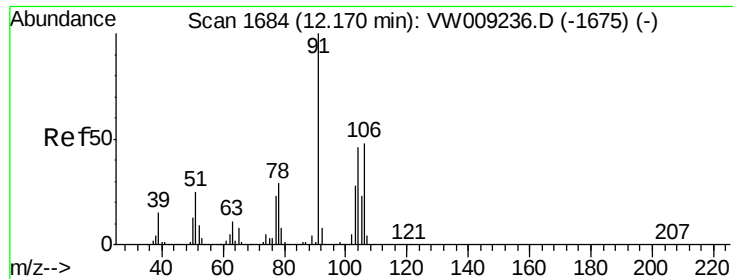
Tgt Ion: 91 Resp: 1608126
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8



#68
m/p-Xylenes
Concen: 196.494 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion: 106 Resp: 1233660
Ion Ratio Lower Upper
106 100
91 204.7 163.1 244.7

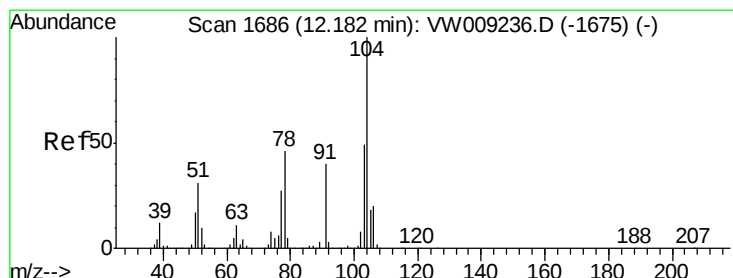
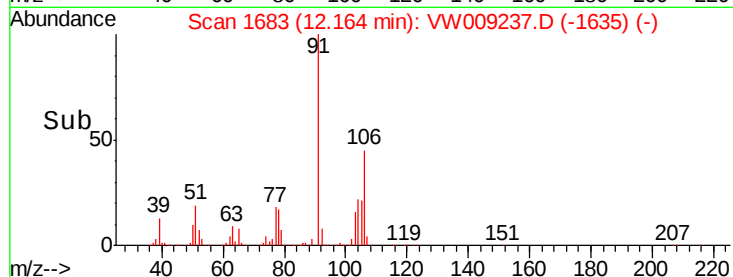
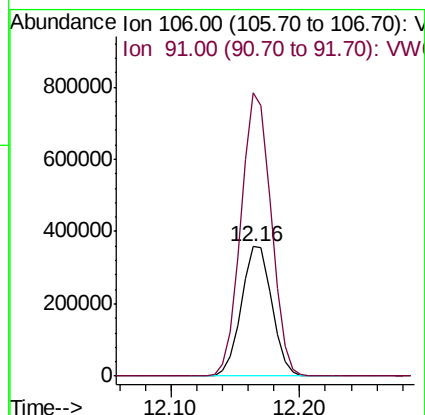
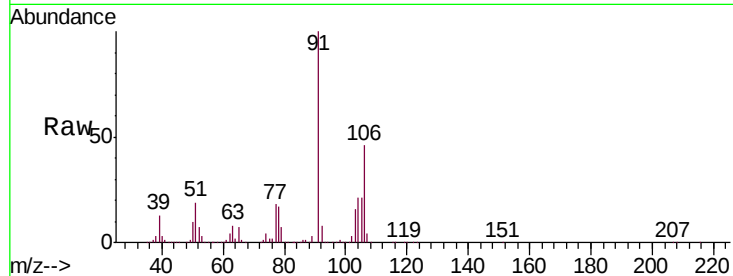




#69
o-Xylene
Concen: 100.855 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

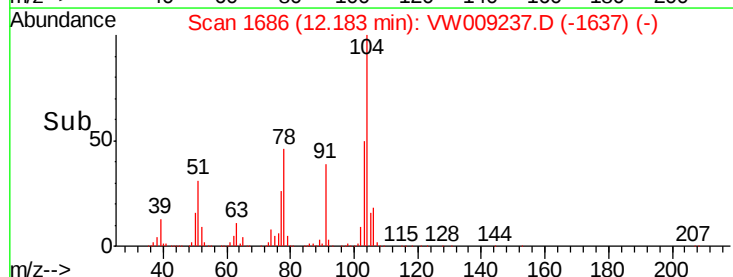
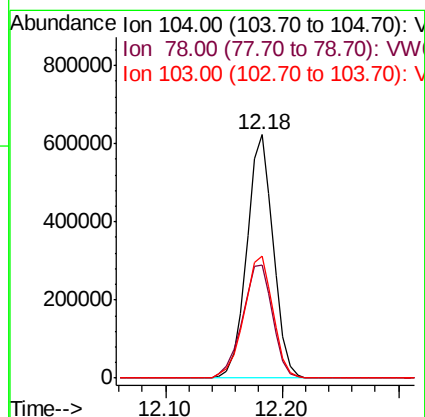
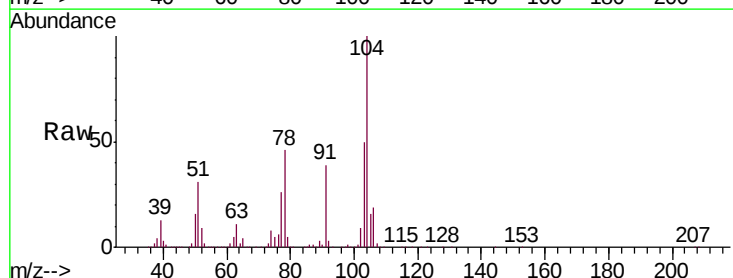
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

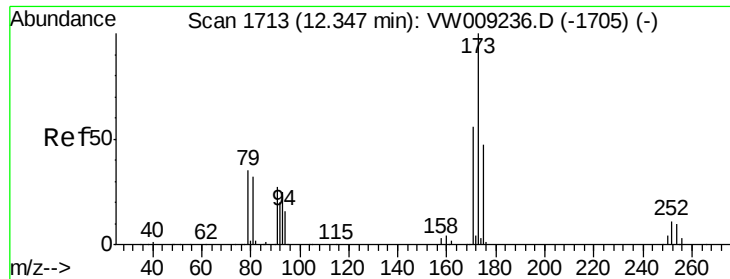
Tgt Ion:106 Resp: 588000
Ion Ratio Lower Upper
106 100
91 215.7 108.6 325.8



#70
Styrene
Concen: 102.419 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion:104 Resp: 984522
Ion Ratio Lower Upper
104 100
78 53.0 42.2 63.4
103 55.1 44.6 66.8

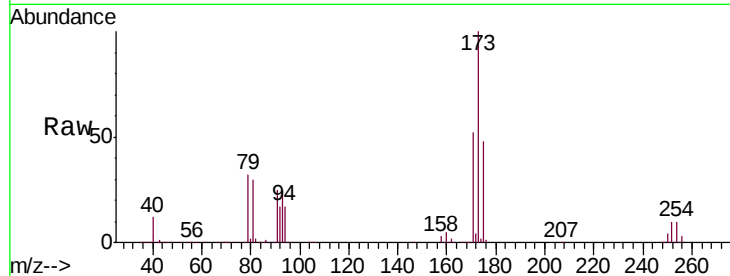




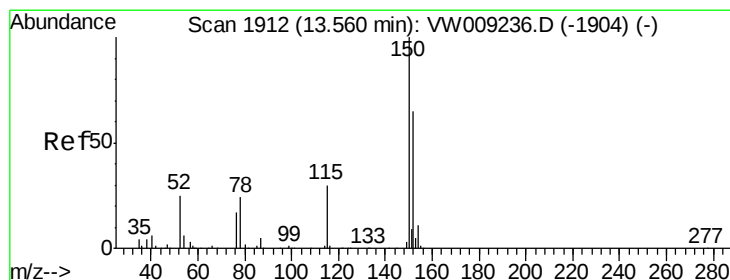
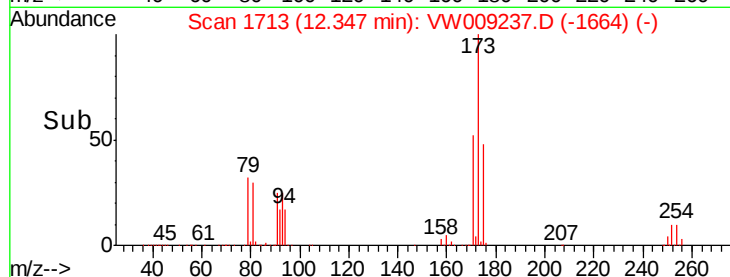
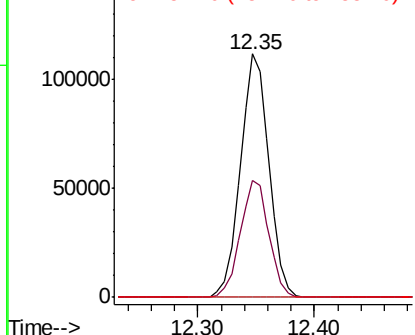
#71
Bromoform
Concen: 99.211 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:173 Resp: 189292
Ion Ratio Lower Upper
173 100
175 48.3 24.1 72.4
254 0.1 0.2 0.4#

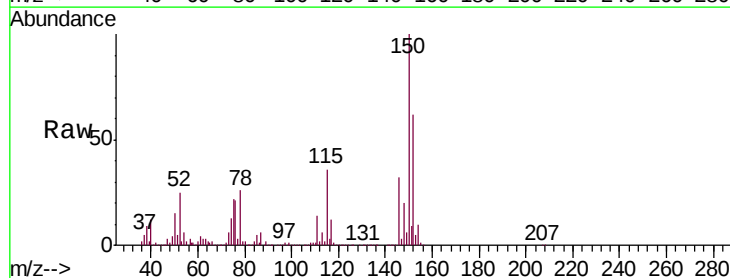


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

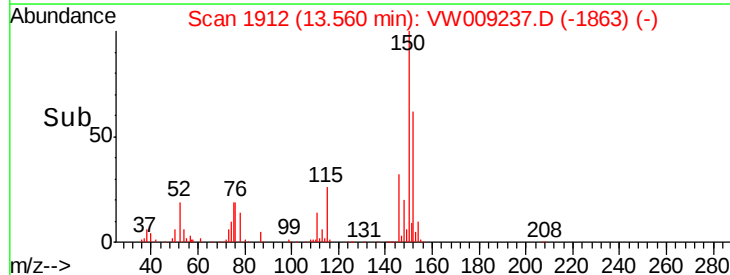
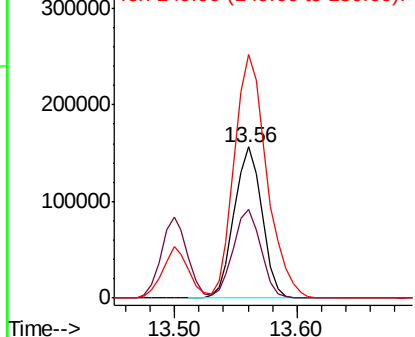


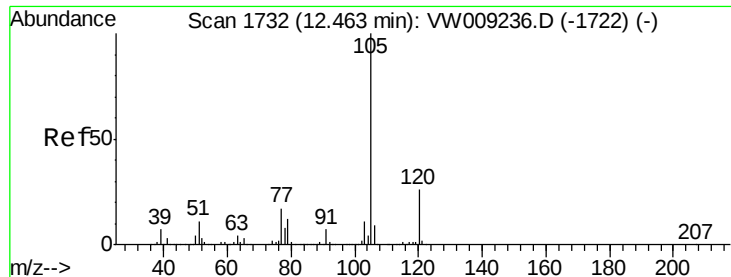
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion:152 Resp: 244087
Ion Ratio Lower Upper
152 100
115 58.7 29.6 88.8
150 189.1 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: 102.016 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

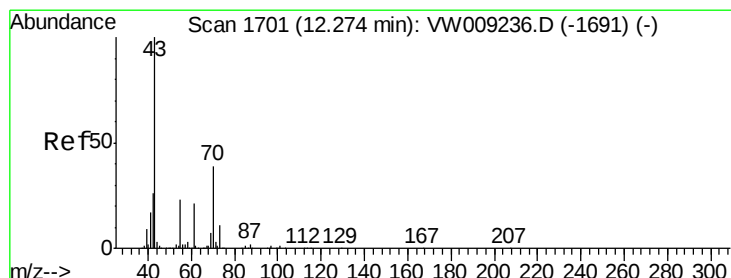
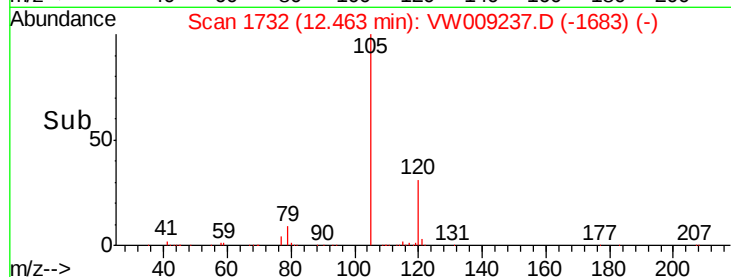
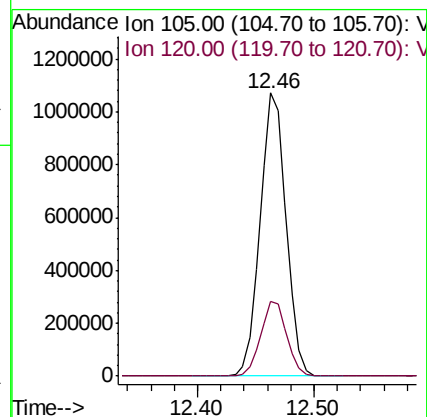
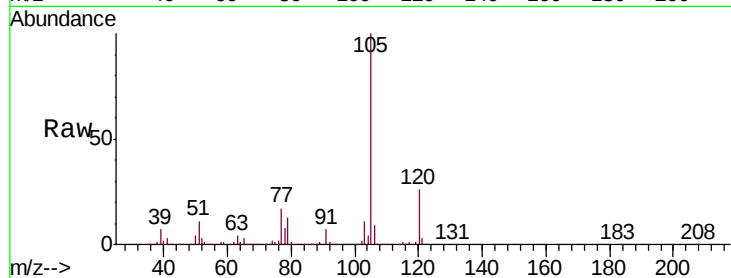
VSTDIC100

Tgt Ion:105 Resp: 1664339

Ion Ratio Lower Upper

105 100

120 26.4 13.0 39.0



#74

N-ethyl acetate

Concen: 109.200 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Tgt Ion: 43 Resp: 464715

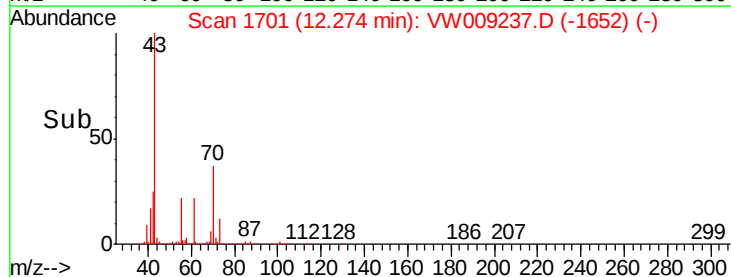
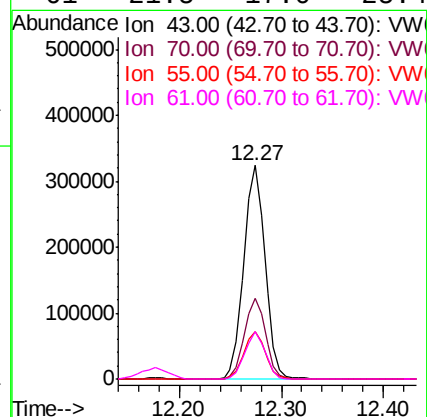
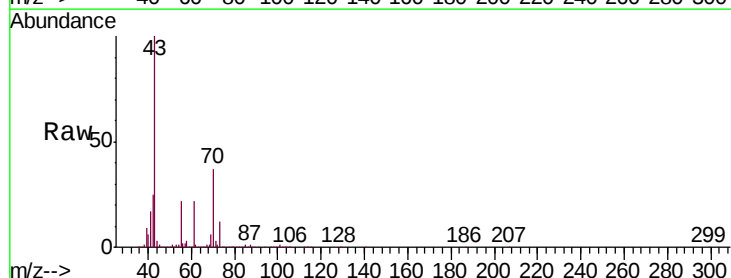
Ion Ratio Lower Upper

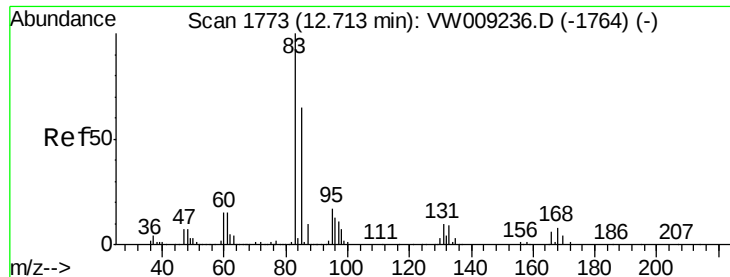
43 100

70 37.7 30.6 46.0

55 22.6 19.3 28.9

61 21.5 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 98.167 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

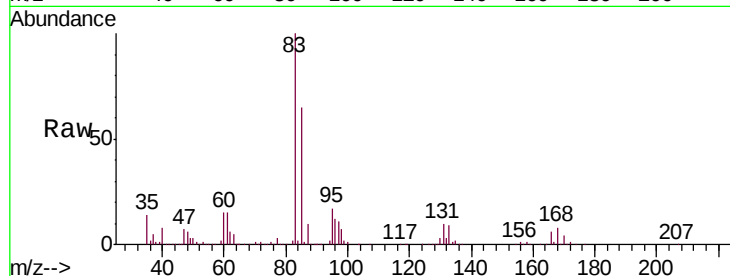
Tgt Ion: 83 Resp: 299585

Ion Ratio Lower Upper

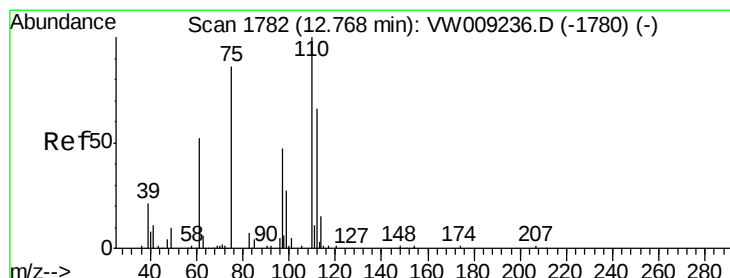
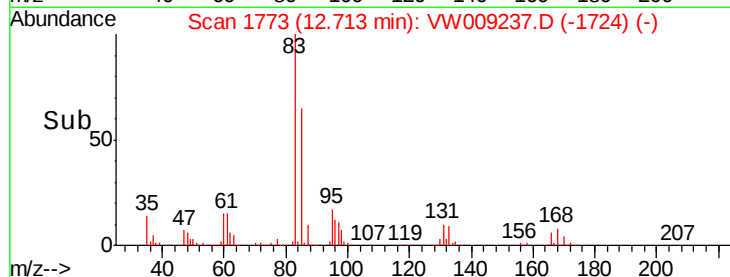
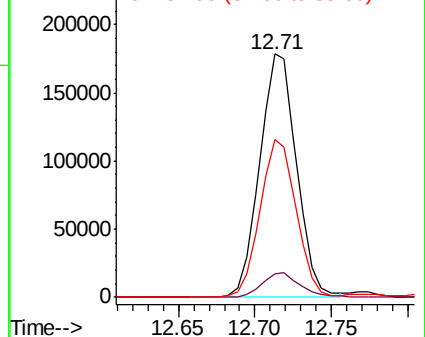
83 100

131 10.6 5.3 16.1

85 63.7 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 167.017 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009237.D

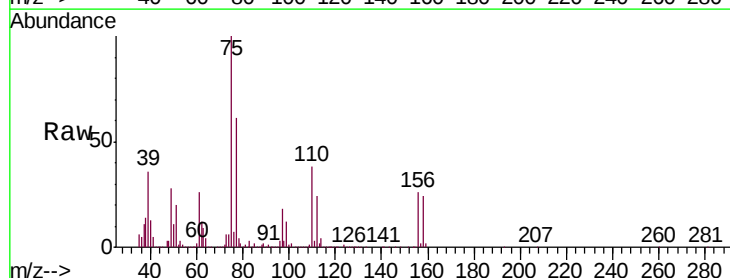
Acq: 19 Mar 2019 12:46

Tgt Ion: 75 Resp: 412185

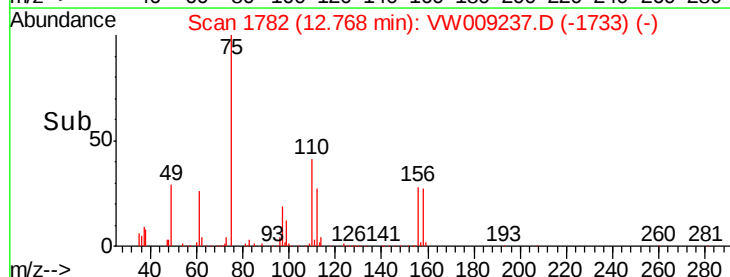
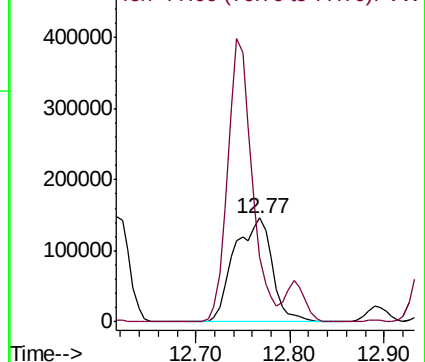
Ion Ratio Lower Upper

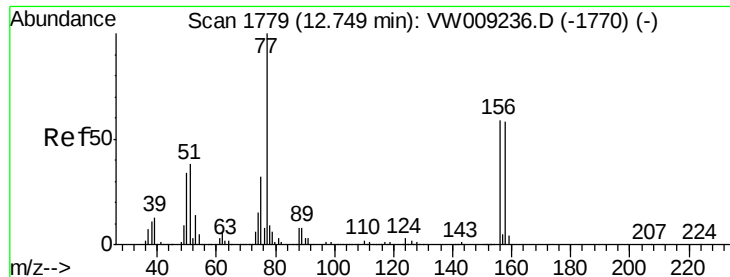
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 96.491 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampled :

VSTDICC100

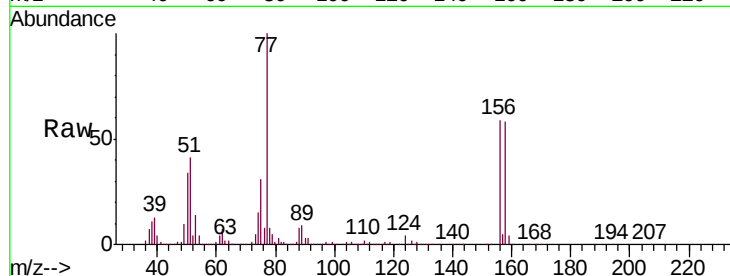
Tgt Ion: 156 Resp: 372882

Ion Ratio Lower Upper

156 100

77 193.3 96.0 288.0

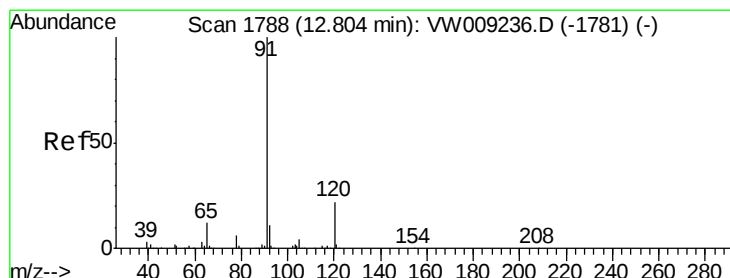
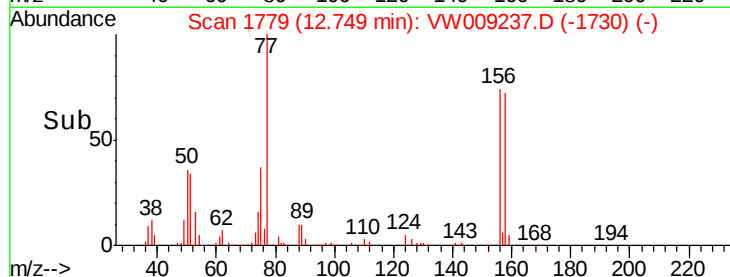
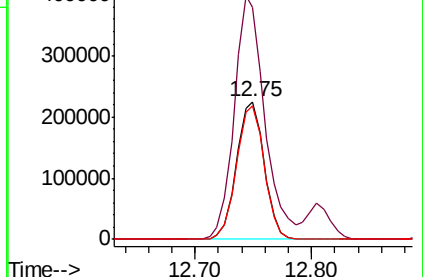
158 97.2 49.1 147.3



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: 101.523 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009237.D

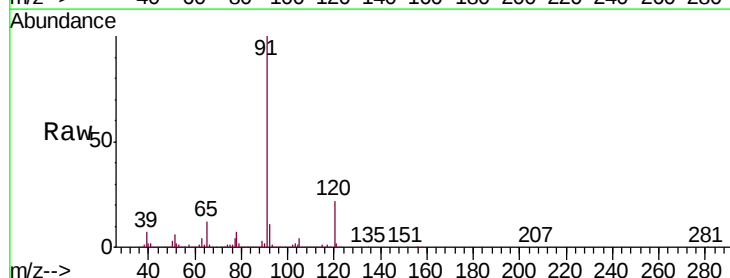
Acq: 19 Mar 2019 12:46

Tgt Ion: 91 Resp: 2034208

Ion Ratio Lower Upper

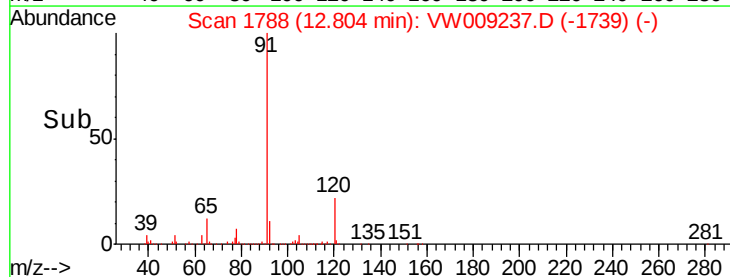
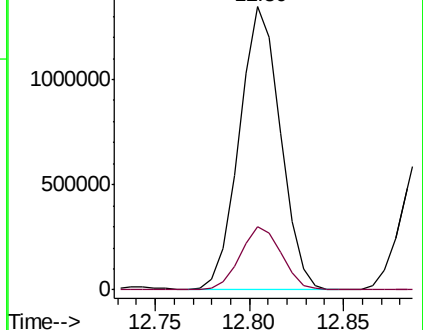
91 100

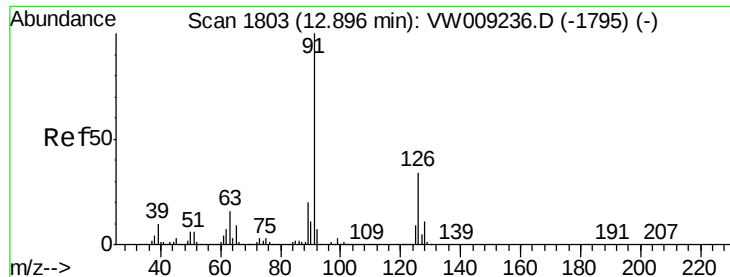
120 22.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

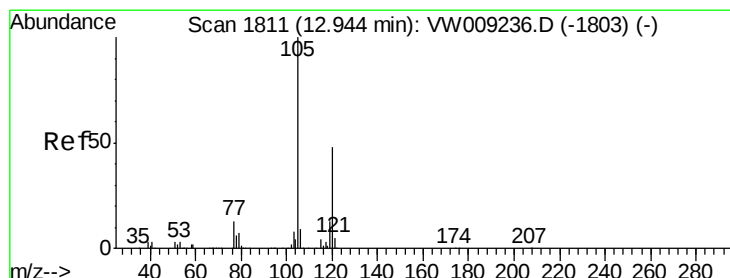
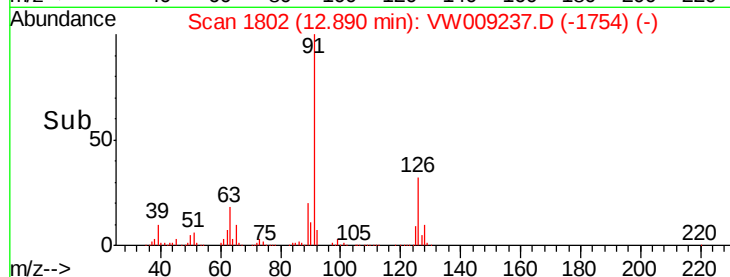
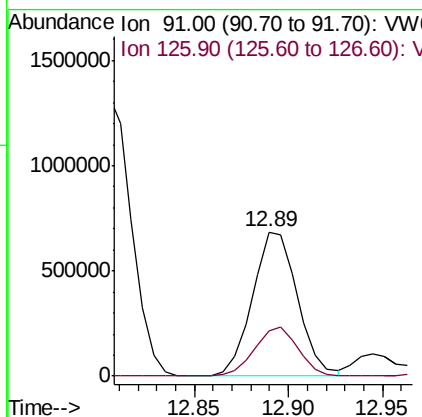
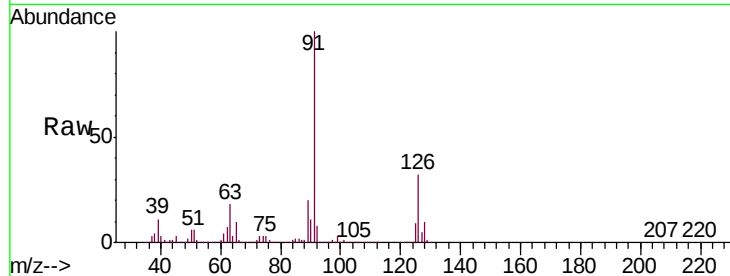




#79
 2-Chlorotoluene
 Concen: 99.653 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

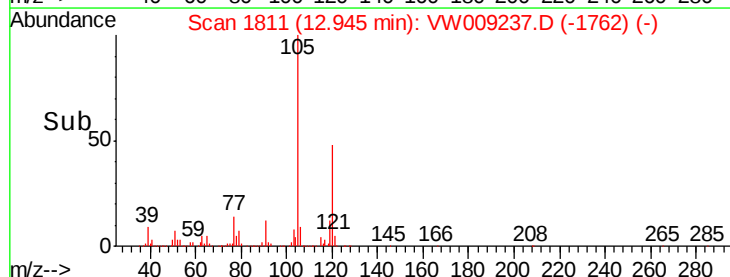
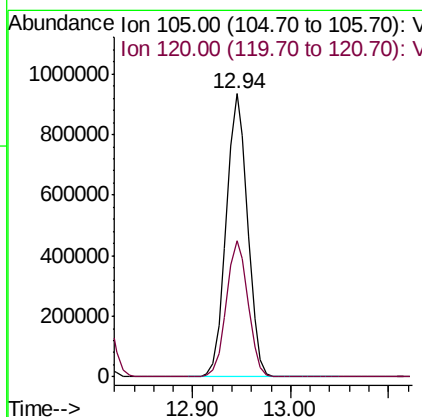
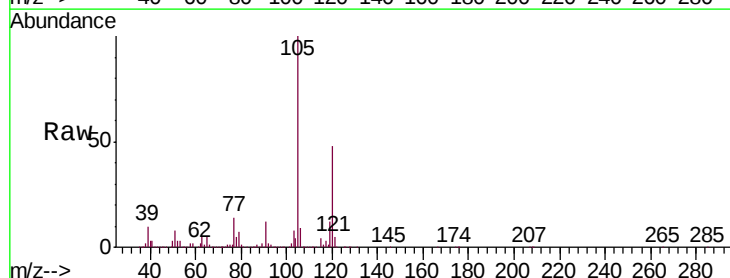
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

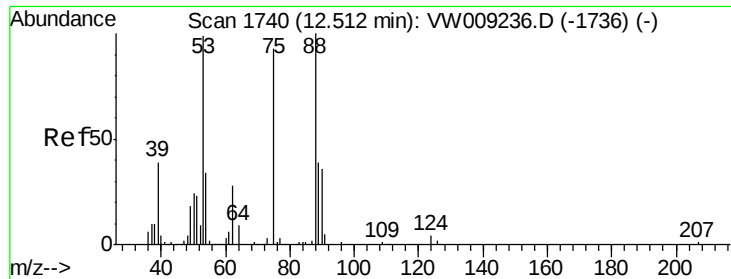
Tgt Ion: 91 Resp: 1134296
 Ion Ratio Lower Upper
 91 100
 126 33.1 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 101.970 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion: 105 Resp: 1414736
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 105.031 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

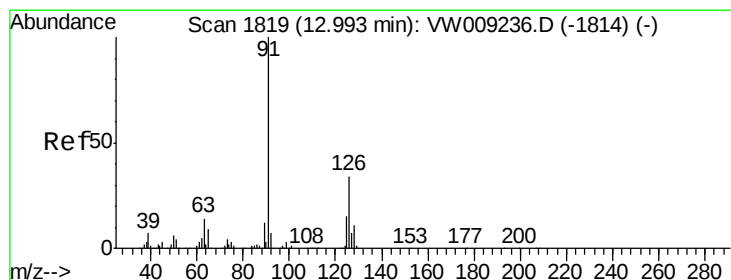
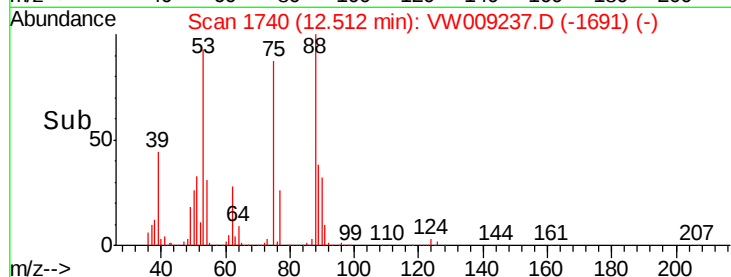
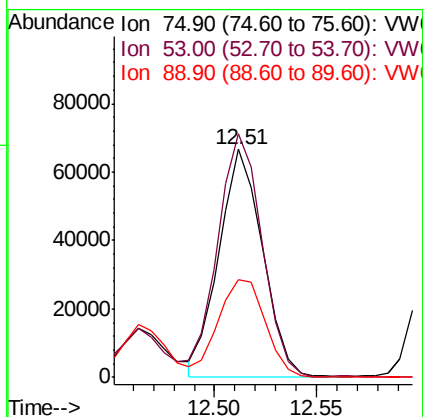
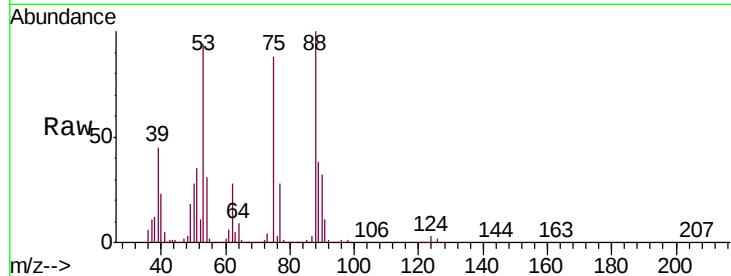
Tgt Ion: 75 Resp: 98184

Ion Ratio Lower Upper

75 100

53 109.7 86.7 130.1

89 46.7 36.4 54.6



#82

4-Chlorotoluene

Concen: 98.915 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW009237.D

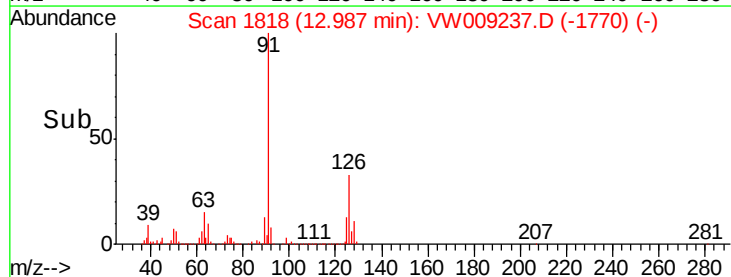
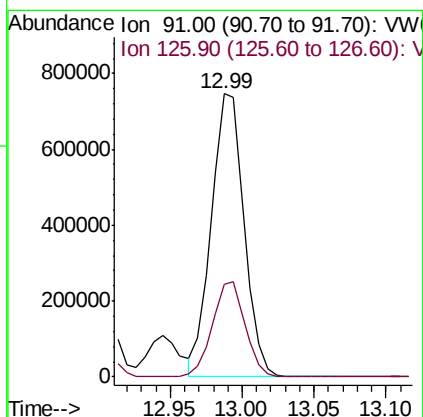
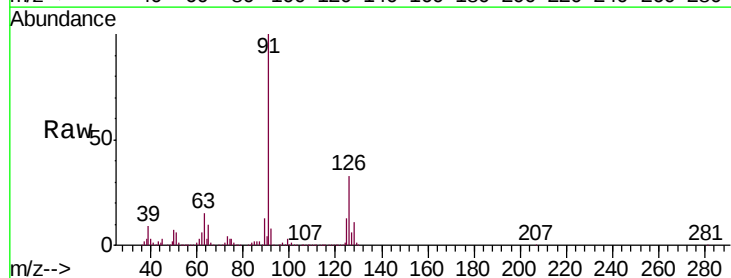
Acq: 19 Mar 2019 12:46

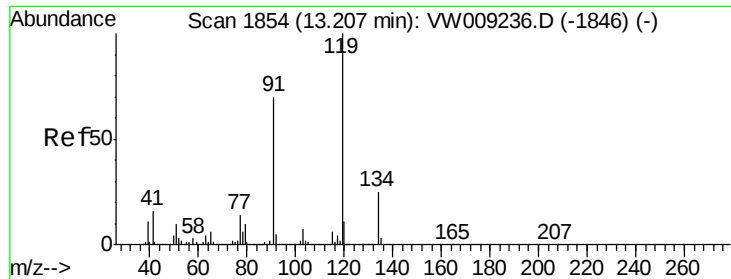
Tgt Ion: 91 Resp: 1186122

Ion Ratio Lower Upper

91 100

126 33.8 16.9 50.6

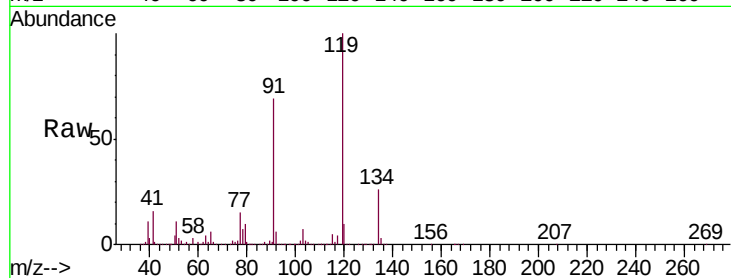




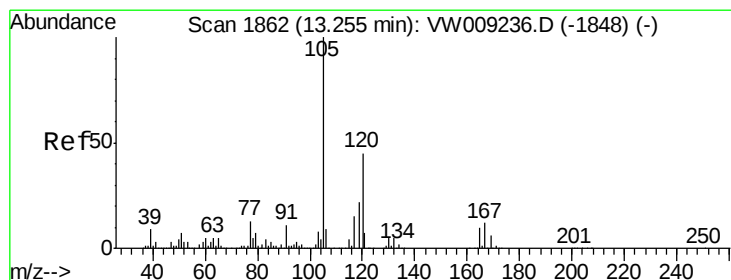
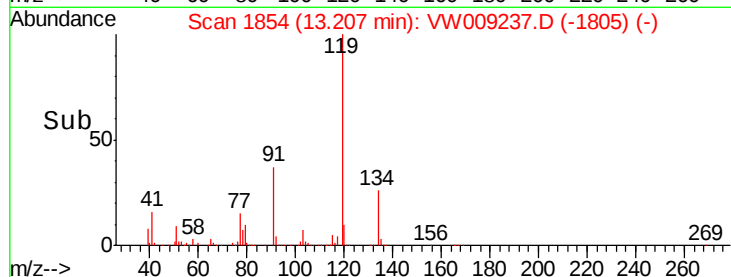
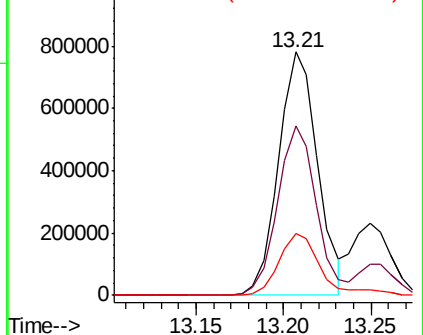
#83
 tert-Butylbenzene
 Concen: 102.610 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:119 Resp: 1216593
 Ion Ratio Lower Upper
 119 100
 91 69.4 34.4 103.2
 134 27.3 12.7 38.1

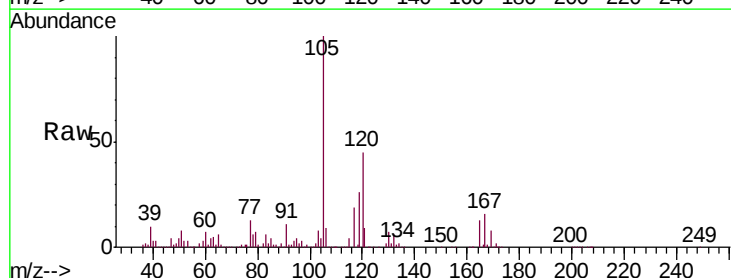


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VW
 Ion 134.00 (133.70 to 134.70): V

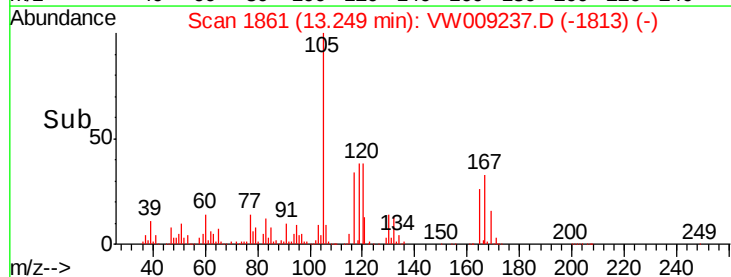
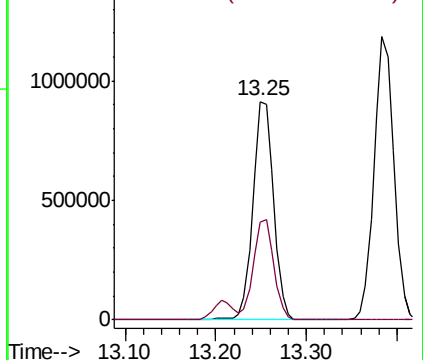


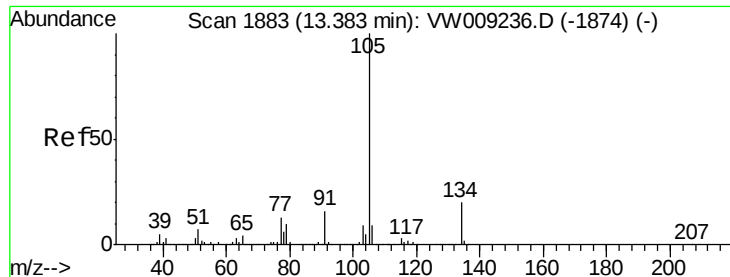
#84
 1,2,4-Trimethylbenzene
 Concen: 101.117 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion:105 Resp: 1438244
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.8 68.3



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

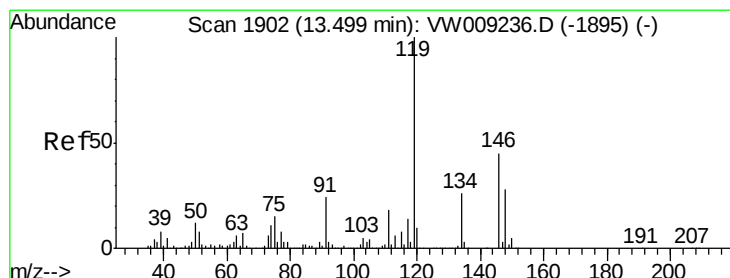
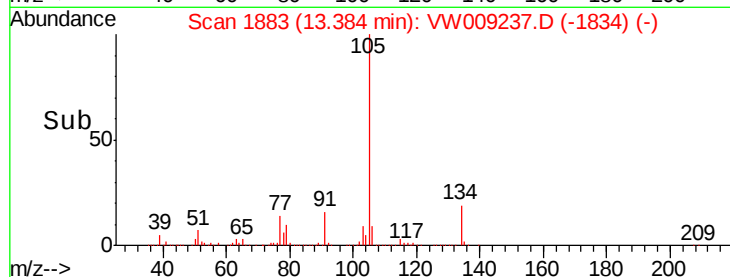
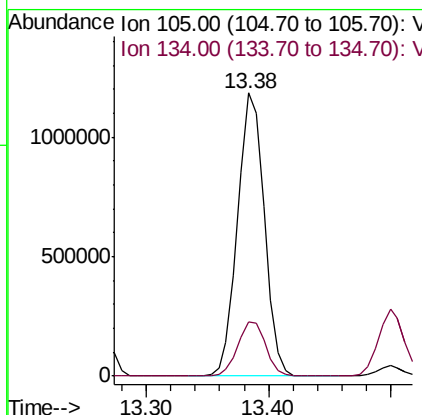
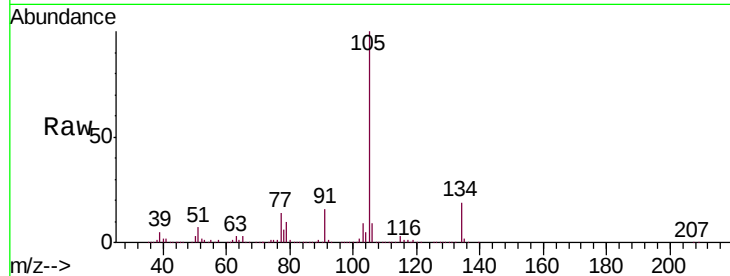




#85
 sec-Butylbenzene
 Concen: 102.075 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

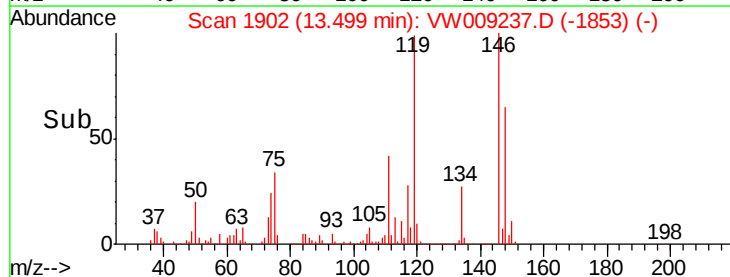
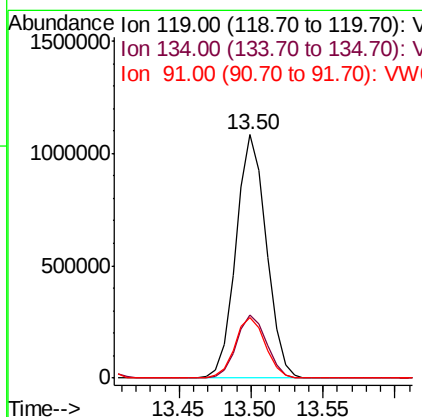
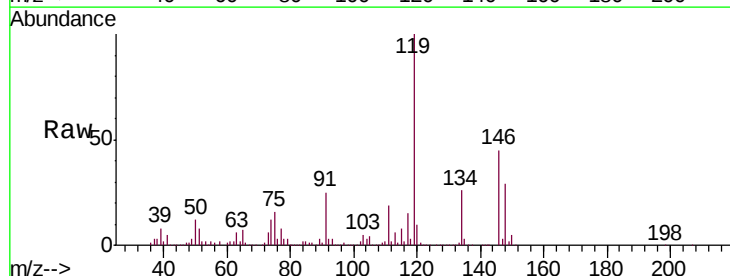
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

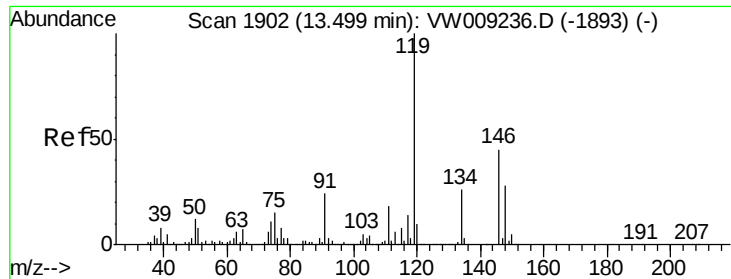
Tgt Ion:105 Resp: 1788392
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 101.654 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion:119 Resp: 1585957
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.3
 91 25.0 12.3 36.8

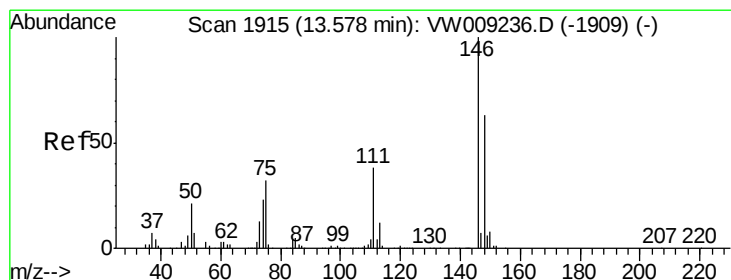
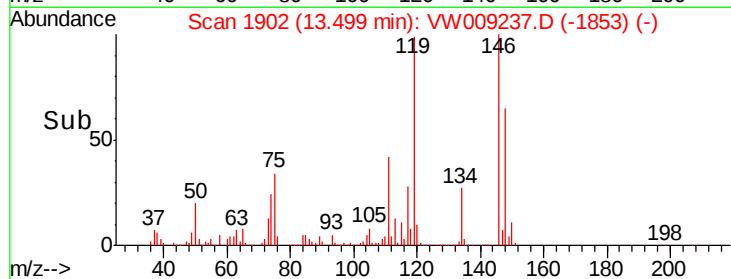
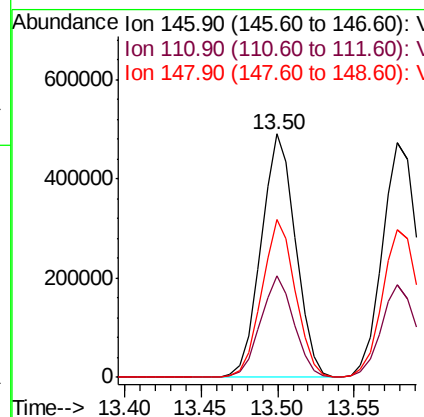
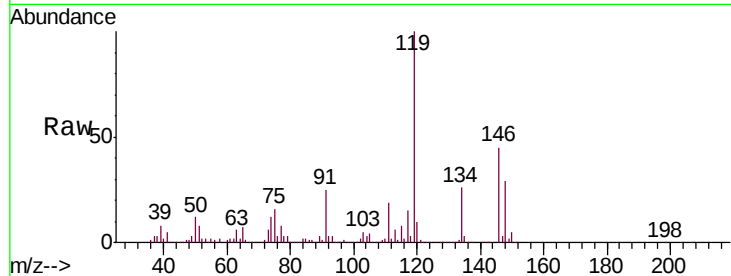




#87
 1,3-Dichlorobenzene
 Concen: 96.323 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

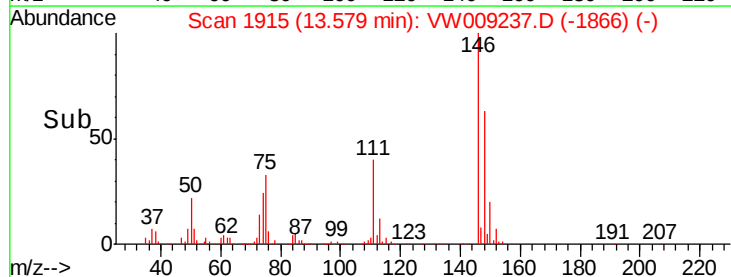
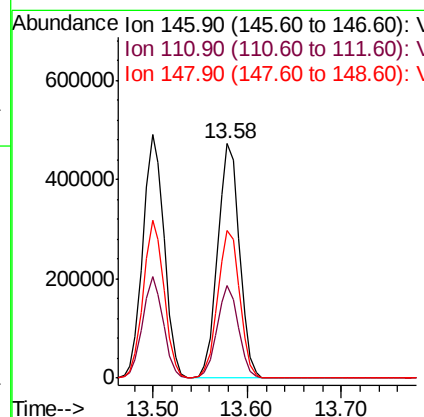
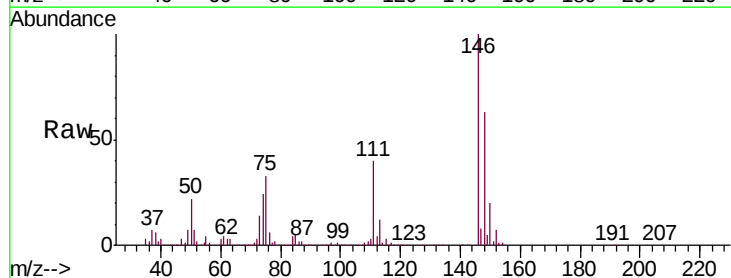
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

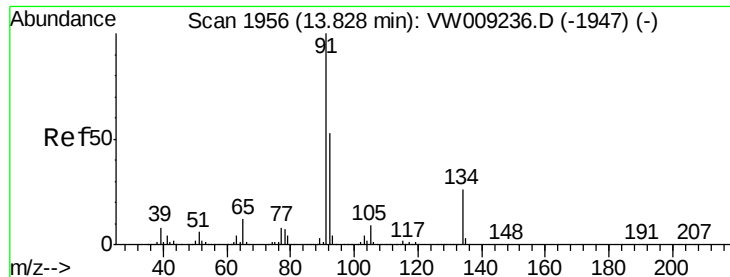
Tgt Ion:146 Resp: 770285
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.1 60.2
 148 63.1 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 94.972 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion:146 Resp: 756204
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.9 59.6
 148 63.7 32.2 96.6





#89

n-Butylbenzene

Concen: 102.404 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampled :

VSTDICC100

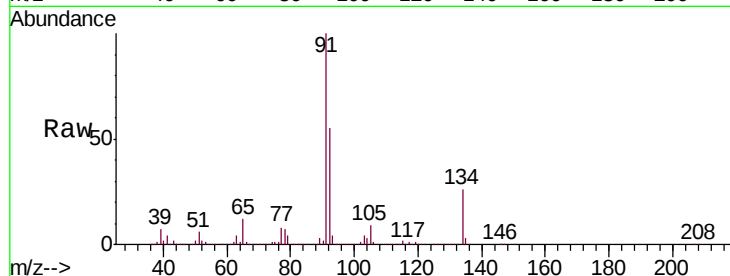
Tgt Ion: 91 Resp: 1533620

Ion Ratio Lower Upper

91 100

92 53.3 26.4 79.0

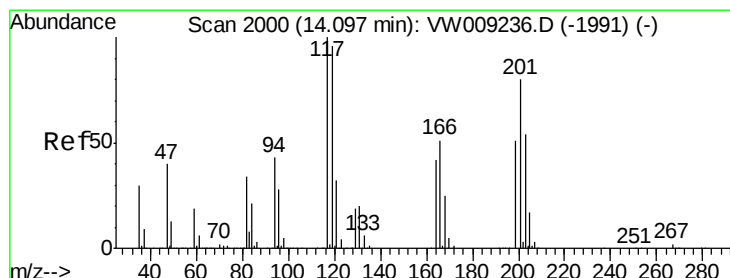
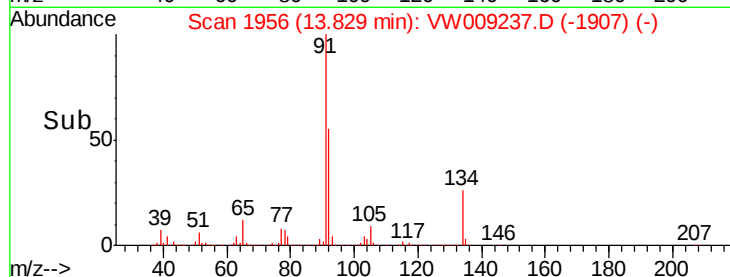
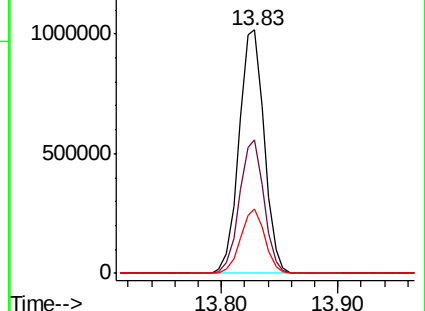
134 25.5 12.9 38.6



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: 98.319 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009237.D

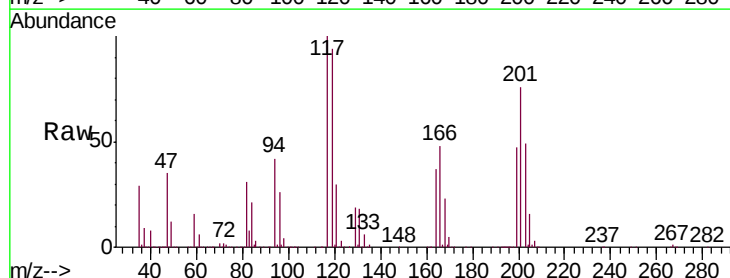
Acq: 19 Mar 2019 12:46

Tgt Ion: 117 Resp: 302430

Ion Ratio Lower Upper

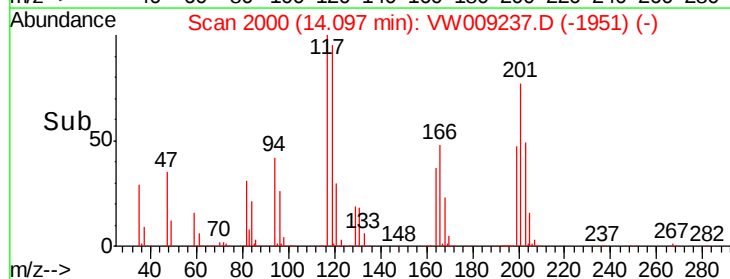
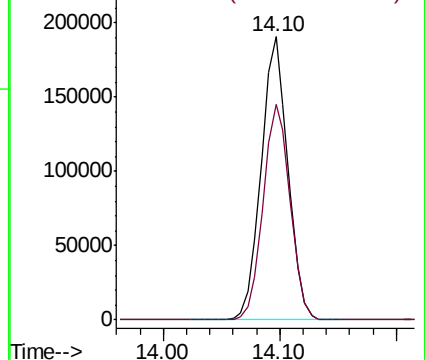
117 100

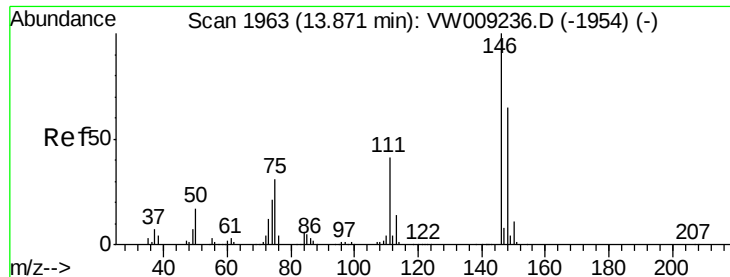
201 77.0 38.2 114.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 96.198 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

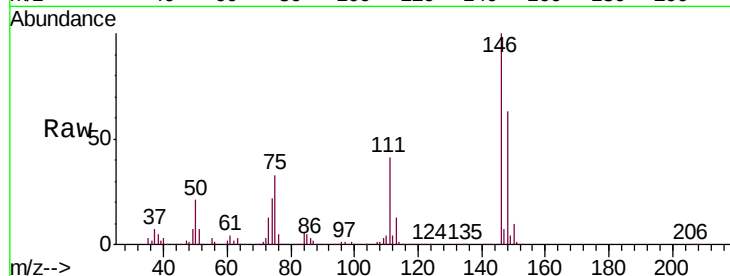
Tgt Ion:146 Resp: 689818

Ion Ratio Lower Upper

146 100

111 41.5 20.4 61.2

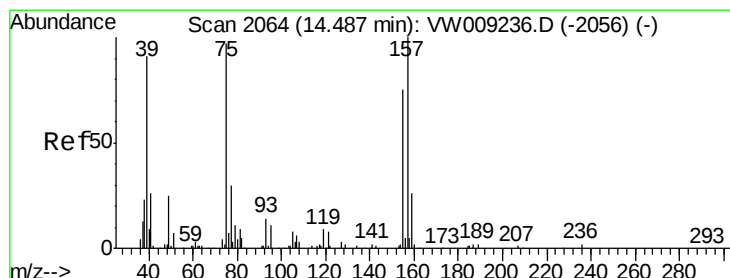
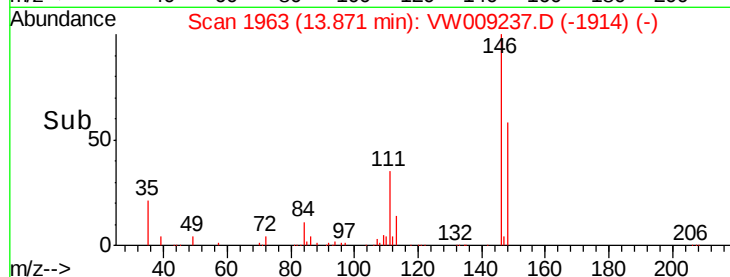
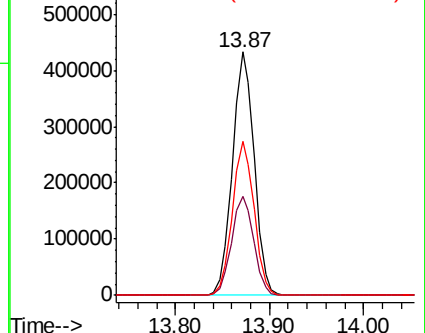
148 63.0 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 101.097 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

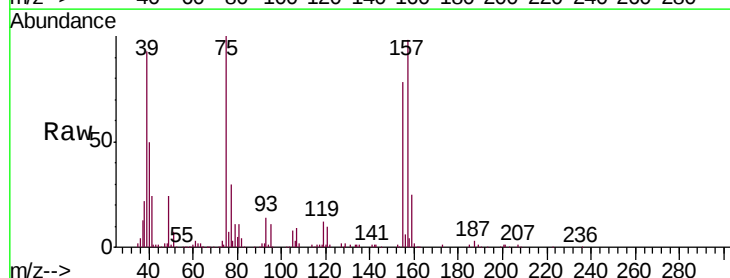
Tgt Ion: 75 Resp: 55244

Ion Ratio Lower Upper

75 100

155 79.7 39.3 117.8

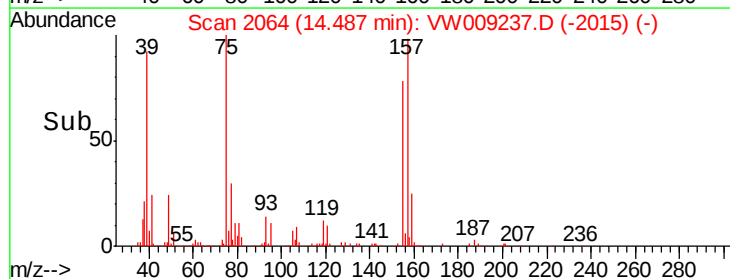
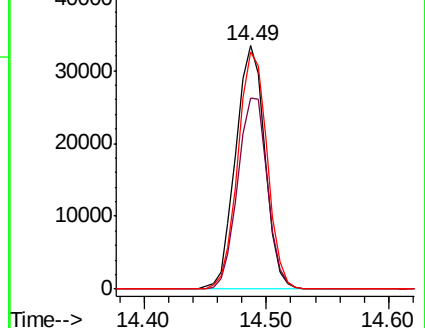
157 97.1 49.5 148.5

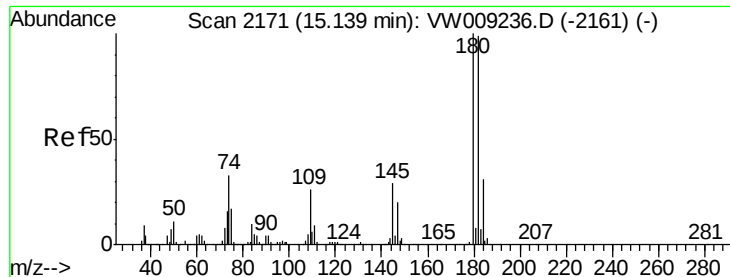


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

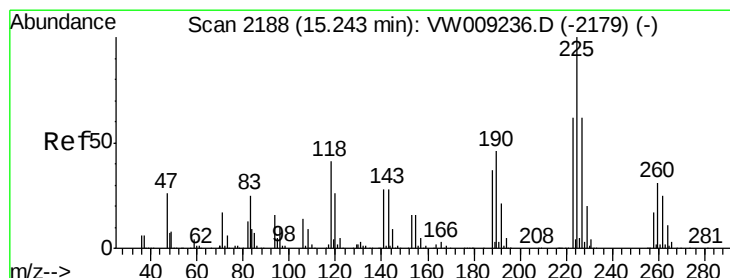
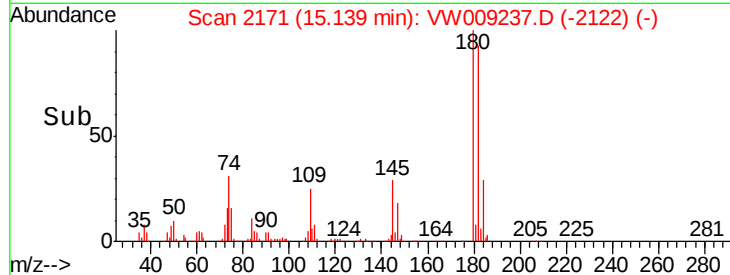
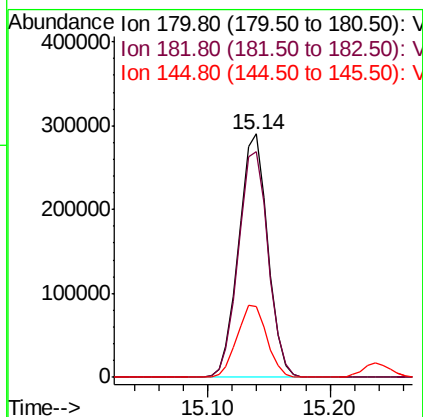
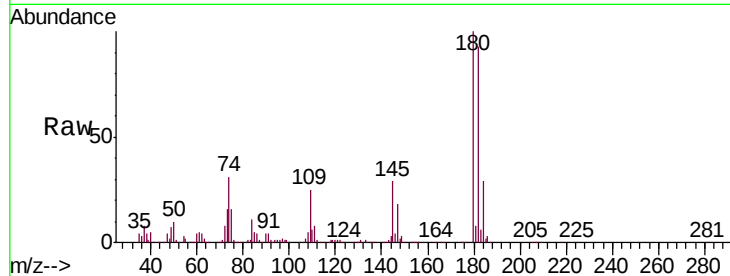




#93
 1,2,4-Trichlorobenzene
 Concen: 99.002 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

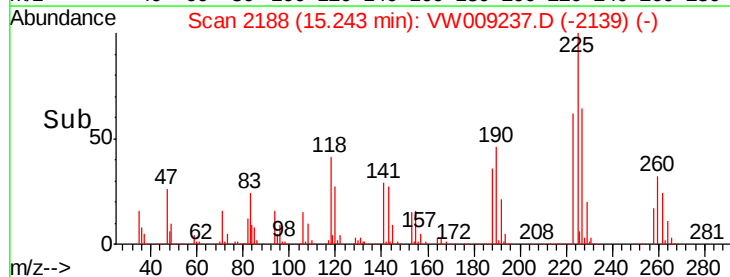
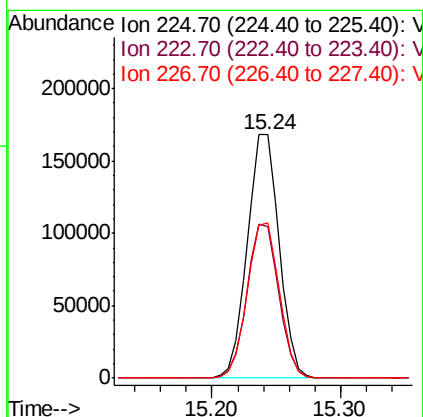
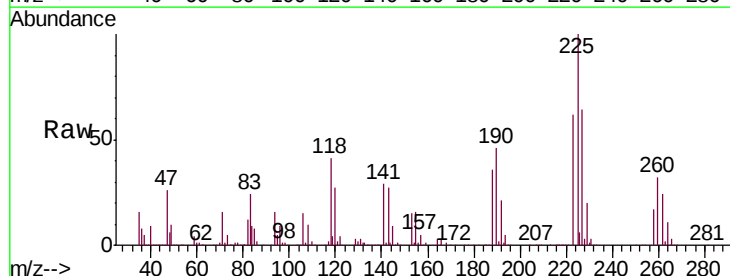
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

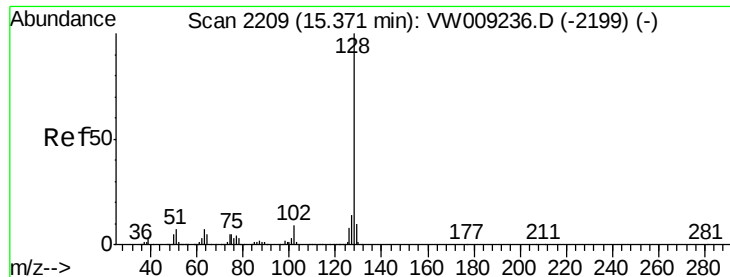
Tgt Ion:180 Resp: 476779
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.7
 145 30.6 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 93.168 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion:225 Resp: 285371
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.4 94.3
 227 64.0 32.1 96.5

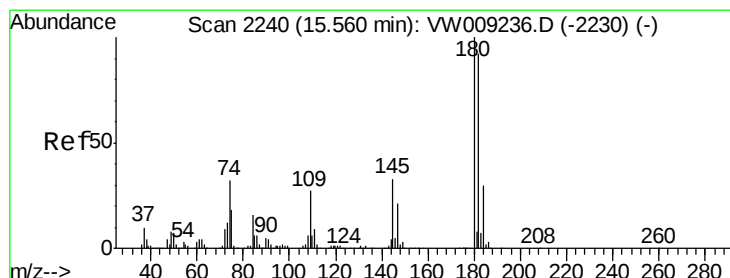
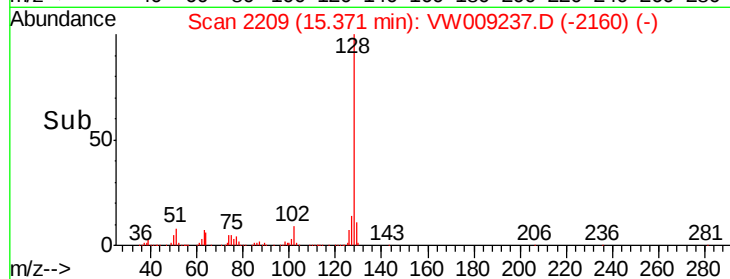
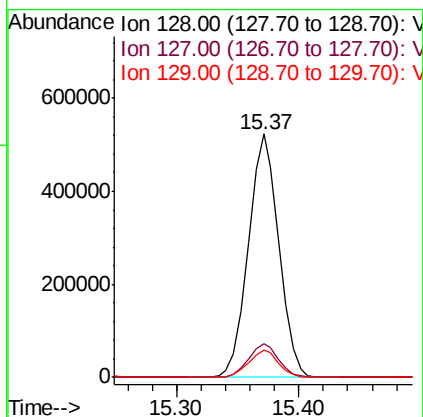
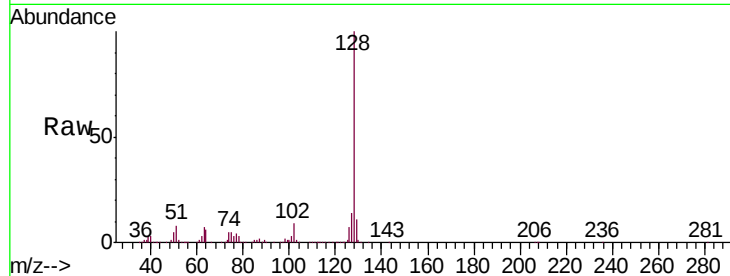




#95
Naphthalene
Concen: 108.127 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 902208
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 98.409 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion:180 Resp: 423046
Ion Ratio Lower Upper
180 100
182 95.3 47.3 141.9
145 32.2 16.0 48.0

