

Data File : VW009233.D
Acq On : 19 Mar 2019 10:57
Operator : SY/VA
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Quant Time: Mar 20 07:00:17 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	302004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	460628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	420183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	227193	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	17057	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	
35) Dibromofluoromethane	7.88	113	15999	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
50) Toluene-d8	10.32	98	51314	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
62) 4-Bromofluorobenzene	12.61	95	17789	4.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.12%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	10676	5.039	ug/l	95
3) Chloromethane	2.21	50	11236	5.132	ug/l	99
4) Vinyl Chloride	2.36	62	17326	5.392	ug/l	99
5) Bromomethane	2.78	94	14790	5.644	ug/l	99
6) Chloroethane	2.93	64	13046	5.233	ug/l	99
7) Trichlorofluoromethane	3.25	101	10041	4.770	ug/l	96
8) Diethyl Ether	3.68	74	8519	5.612	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17926	5.879	ug/l #	85
10) Methyl Iodide	4.27	142	24544	5.584	ug/l	100
11) Tert butyl alcohol	5.20	59	4797	25.735	ug/l #	88
12) 1,1-Dichloroethene	4.02	96	16165	5.609	ug/l #	80
13) Acrolein	3.90	56	4462	29.312	ug/l	100
14) Allyl chloride	4.65	41	23666	5.570	ug/l	94
15) Acrylonitrile	5.37	53	16385	25.683	ug/l	98
16) Acetone	4.13	43	18079	27.431	ug/l	97
17) Carbon Disulfide	4.38	76	45156	5.620	ug/l	97
18) Methyl Acetate	4.67	43	10080	5.959	ug/l	94
19) Methyl tert-butyl Ether	5.41	73	18761	5.304	ug/l	96
20) Methylene Chloride	4.92	84	19928	6.476	ug/l #	90
21) trans-1,2-Dichloroethene	5.41	96	16314	5.502	ug/l	89
22) Diisopropyl ether	6.31	45	46289	5.053	ug/l	97
23) Vinyl Acetate	6.26	43	129272	22.492	ug/l	96
24) 1,1-Dichloroethane	6.21	63	32092	5.677	ug/l	98
25) 2-Butanone	7.17	43	23741	25.140	ug/l	97
26) 2,2-Dichloropropane	7.16	77	17617	5.577	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	16641	5.180	ug/l	94
28) Bromochloromethane	7.51	49	12351	4.981	ug/l	97
29) Tetrahydrofuran	7.53	42	14559	24.255	ug/l	97
30) Chloroform	7.67	83	32238	5.481	ug/l	92
31) Cyclohexane	7.95	56	31864	6.046	ug/l #	84
32) 1,1,1-Trichloroethane	7.87	97	26749	5.697	ug/l	97
36) 1,1-Dichloropropene	8.08	75	24833	5.418	ug/l	98
37) Ethyl Acetate	7.25	43	10260	4.905	ug/l	97
38) Carbon Tetrachloride	8.06	117	27413	5.651	ug/l	92

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Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Quant Time: Mar 20 07:00:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 06:57:43 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	27286	5.145	ug/l	94
40) Benzene	8.32	78	66816	5.375	ug/l	97
41) Methacrylonitrile	7.49	41	6064	5.379	ug/l	88
42) 1,2-Dichloroethane	8.40	62	21957	5.404	ug/l	100
43) Isopropyl Acetate	8.43	43	21135	5.046	ug/l	98
44) Trichloroethene	9.09	130	19414	5.701	ug/l	90
45) 1,2-Dichloropropane	9.37	63	17467	5.528	ug/l	99
46) Dibromomethane	9.46	93	9247	5.322	ug/l	99
47) Bromodichloromethane	9.64	83	23309	5.308	ug/l #	95
48) Methyl methacrylate	9.43	41	8936	4.608	ug/l	92
49) 1,4-Dioxane	9.46	88	2406	89.273	ug/l #	68
51) 4-Methyl-2-Pentanone	10.21	43	52447	24.028	ug/l	96
52) Toluene	10.38	92	40063	5.087	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	20657	4.824	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	24743	5.136	ug/l	99
55) 1,1,2-Trichloroethane	10.78	97	12841	5.458	ug/l	94
56) Ethyl methacrylate	10.64	69	11889	4.244	ug/l	94
57) 1,3-Dichloropropane	10.93	76	21345	5.260	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	33883	41.333	ug/l	97
59) 2-Hexanone	10.97	43	32507	21.936	ug/l	99
60) Dibromochloromethane	11.13	129	15069	5.184	ug/l	97
61) 1,2-Dibromoethane	11.23	107	11664	5.205	ug/l	98
64) Tetrachloroethene	10.86	164	15696	5.455	ug/l	93
65) Chlorobenzene	11.66	112	47593	5.477	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	17123	5.275	ug/l	96
67) Ethyl Benzene	11.73	91	74928	4.978	ug/l	95
68) m/p-Xylenes	11.84	106	57782	9.904	ug/l	100
69) o-Xylene	12.16	106	26093	4.816	ug/l	98
70) Styrene	12.18	104	41309	4.625	ug/l	97
71) Bromoform	12.35	173	9408	5.306	ug/l #	95
73) Isopropylbenzene	12.46	105	70987	4.675	ug/l	99
74) N-amyl acetate	12.27	43	16750	4.229	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	14998	5.280	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	19449	8.467	ug/l #	100
77) Bromobenzene	12.75	156	18838	5.237	ug/l	95
78) n-propylbenzene	12.80	91	88721	4.757	ug/l	99
79) 2-Chlorotoluene	12.90	91	52013	4.909	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	60039	4.649	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	4040	4.643	ug/l	92
82) 4-Chlorotoluene	12.99	91	55799	4.999	ug/l	95
83) tert-Butylbenzene	13.21	119	50763	4.600	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	62135	4.693	ug/l	97
85) sec-Butylbenzene	13.38	105	76528	4.693	ug/l	98
86) p-Isopropyltoluene	13.50	119	67435	4.644	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39345	5.286	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	40627	5.482	ug/l	94
89) n-Butylbenzene	13.83	91	66140	4.745	ug/l	98
90) Hexachloroethane	14.10	117	15075	5.265	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	35173	5.270	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2431	4.780	ug/l	92

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

Data File : VW009233.D
Acq On : 19 Mar 2019 10:57
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Mar 20 07:00:17 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

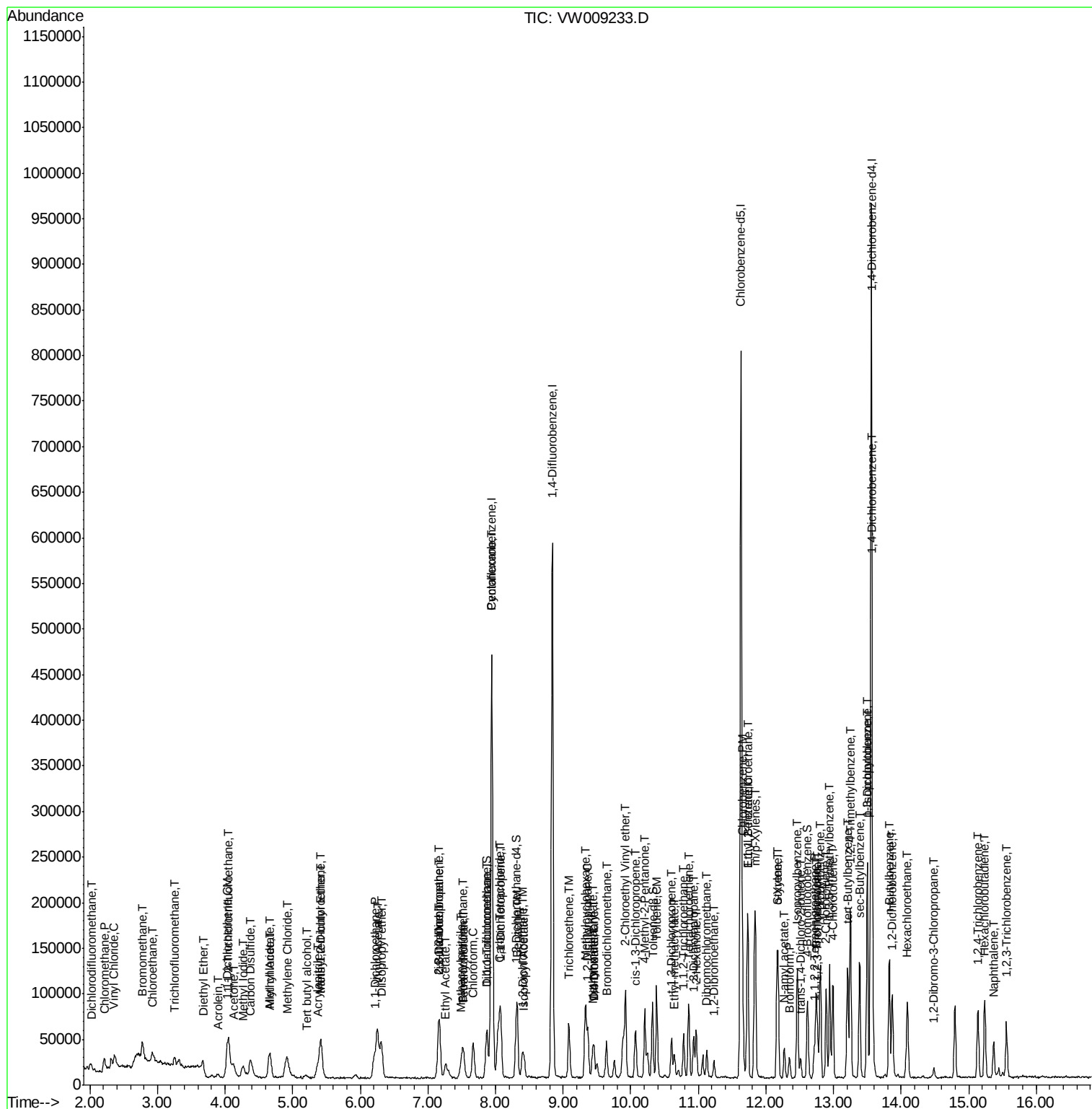
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	21782	4.859	ug/l	99
94) Hexachlorobutadiene	15.24	225	15063	5.283	ug/l	99
95) Naphthalene	15.37	128	31258	4.025	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	20170	5.041	ug/l	98

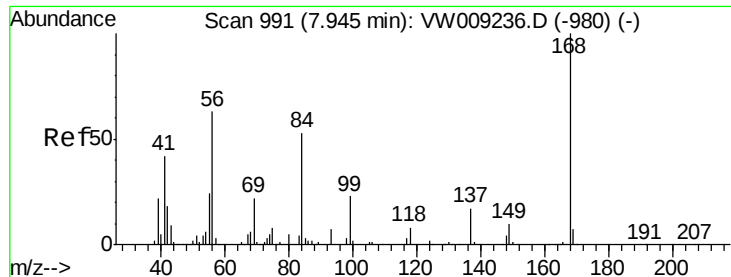
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Data File : VW009233.D
Acq On : 19 Mar 2019 10:57
Operator : SY/VA
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Quant Time: Mar 20 07:00:17 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

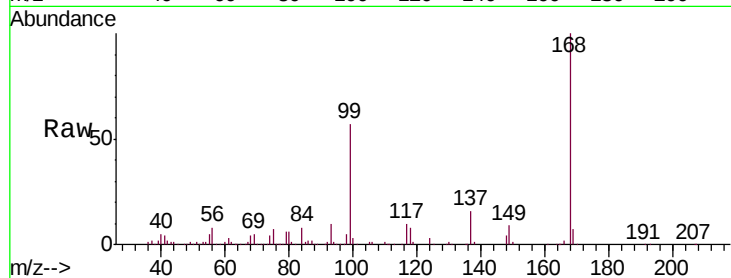
VSTDIC005

Tgt Ion:168 Resp: 302004

Ion Ratio Lower Upper

168 100

99 57.1 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

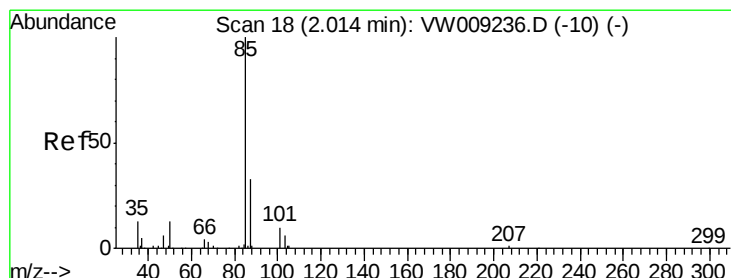
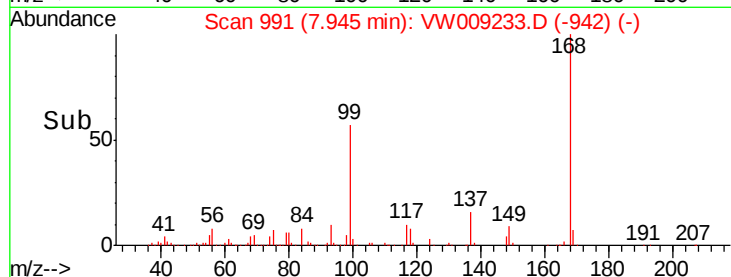
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 5.039 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW009233.D

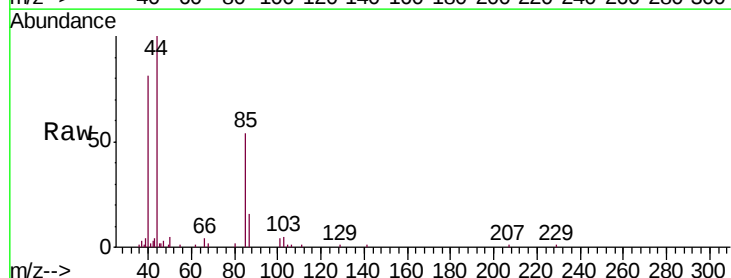
Acq: 19 Mar 2019 10:57

Tgt Ion: 85 Resp: 10676

Ion Ratio Lower Upper

85 100

87 30.3 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

4000

3000

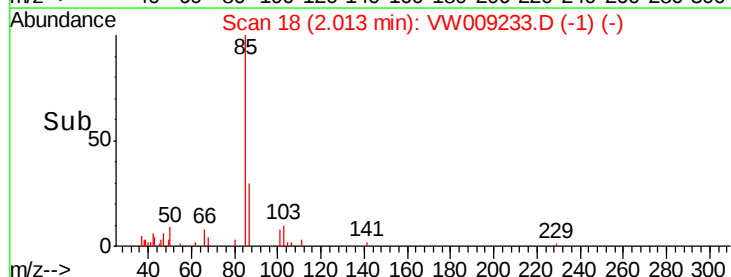
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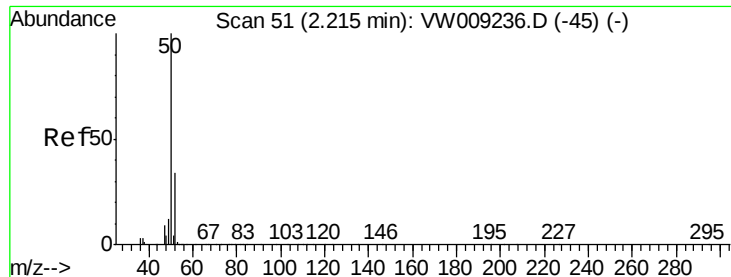
1000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 5.132 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

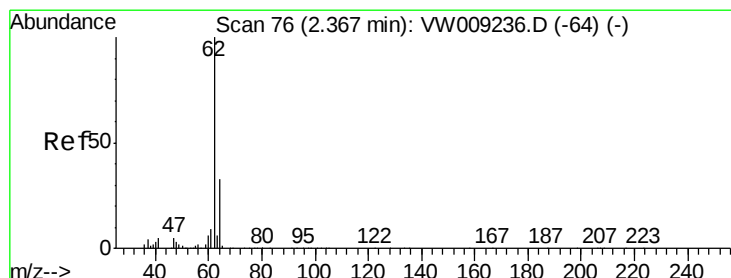
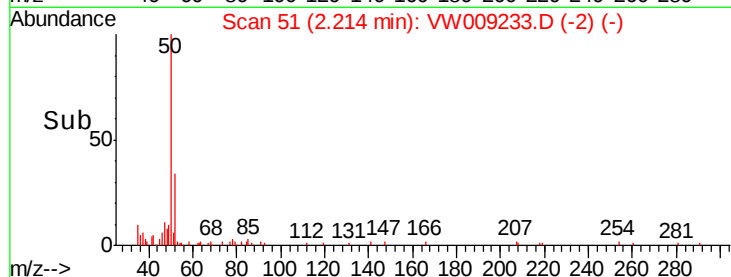
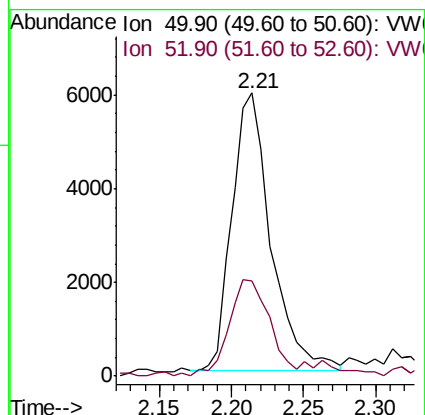
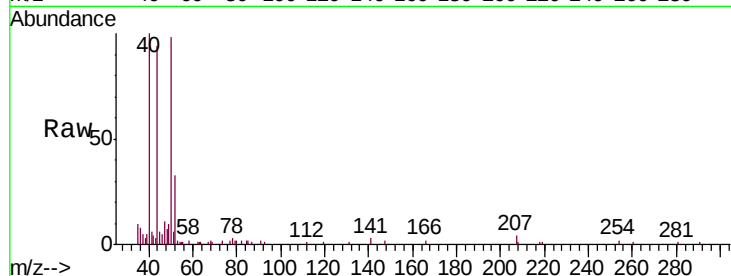
VSTDIC005

Tgt Ion: 50 Resp: 11236

Ion Ratio Lower Upper

50 100

52 34.3 27.2 40.8



#4

Vinyl Chloride

Concen: 5.392 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW009233.D

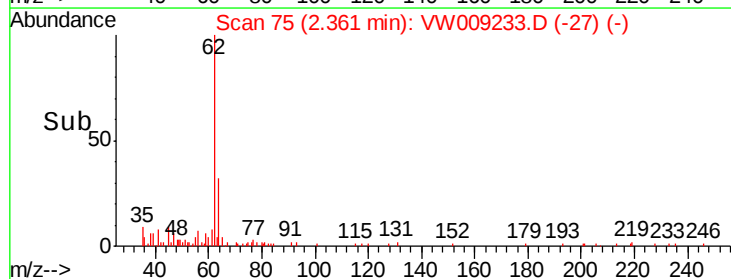
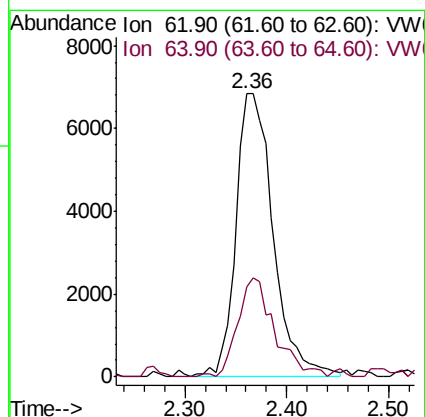
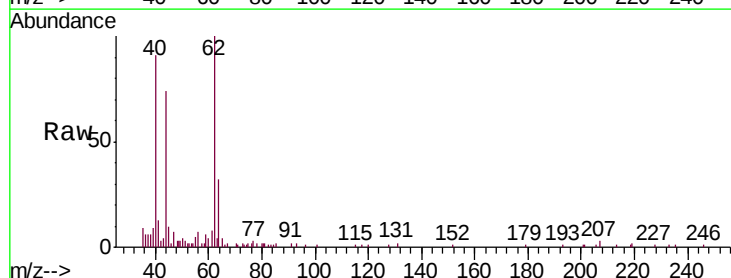
Acq: 19 Mar 2019 10:57

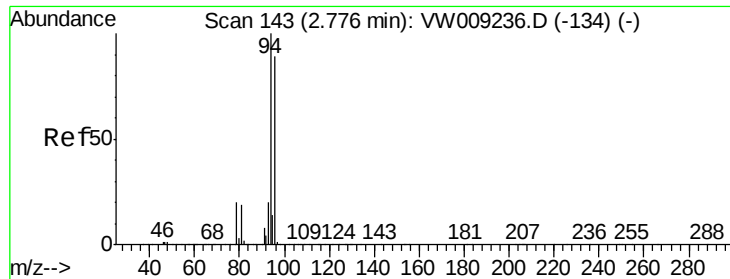
Tgt Ion: 62 Resp: 17326

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.2





#5

Bromomethane

Concen: 5.644 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

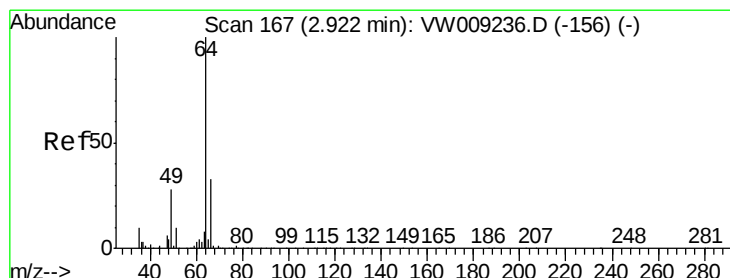
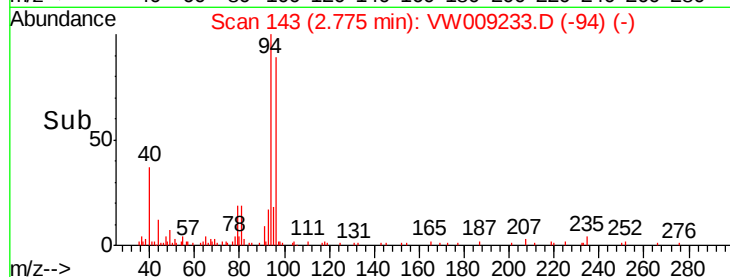
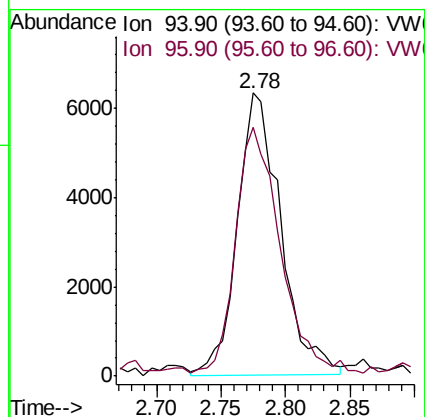
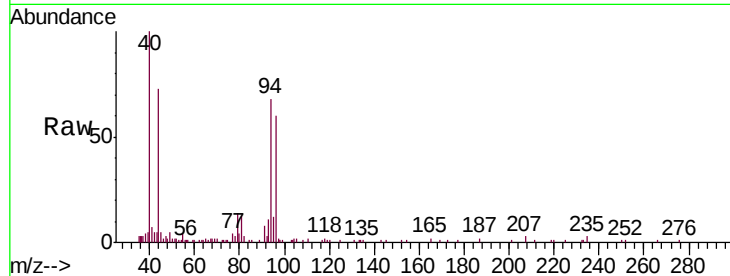
VSTDIC005

Tgt Ion: 94 Resp: 14790

Ion Ratio Lower Upper

94 100

96 88.5 71.4 107.2



#6

Chloroethane

Concen: 5.233 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009233.D

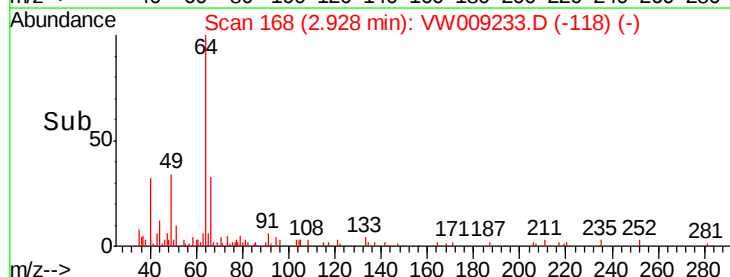
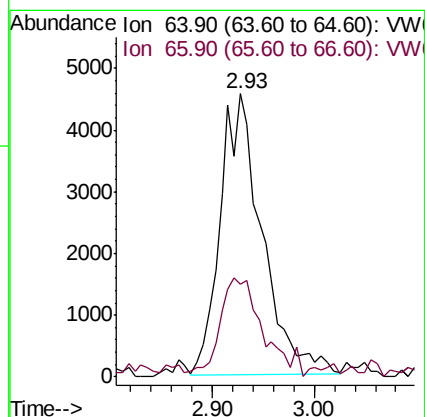
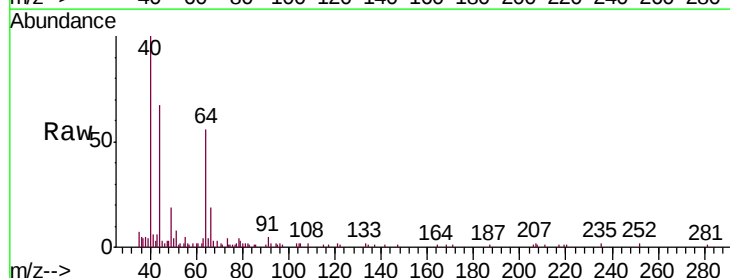
Acq: 19 Mar 2019 10:57

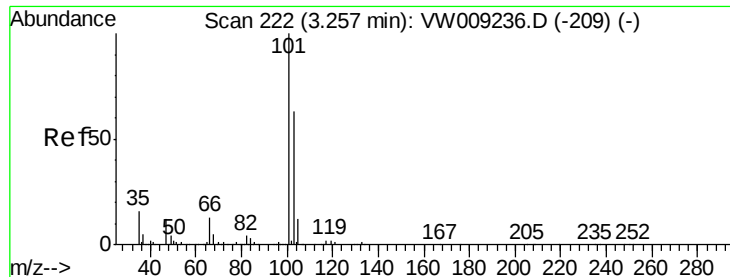
Tgt Ion: 64 Resp: 13046

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.2



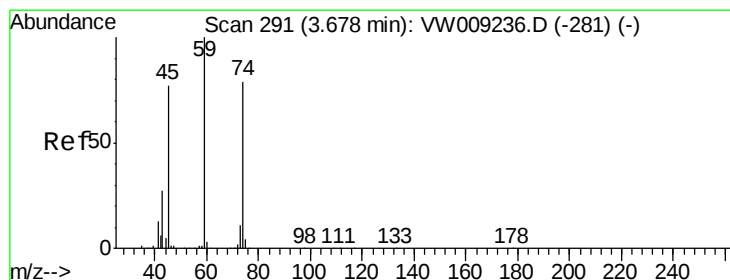
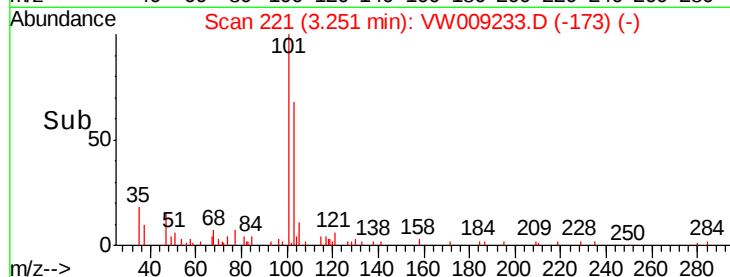
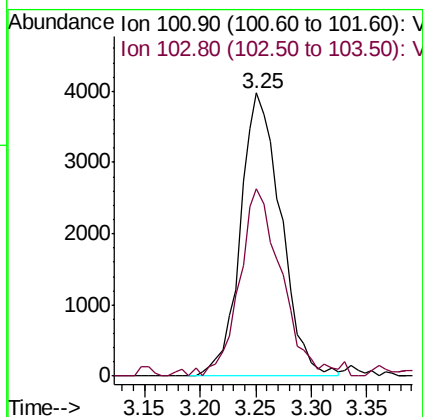
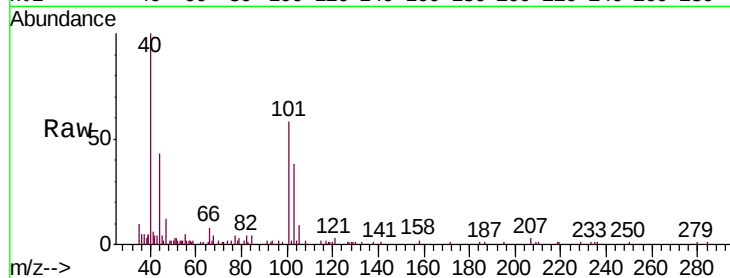


#7

Trichlorofluoromethane
Concen: 4.770 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

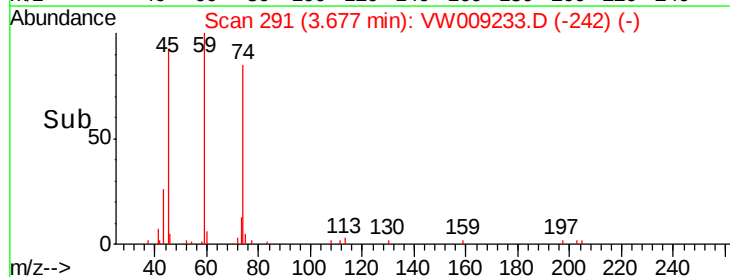
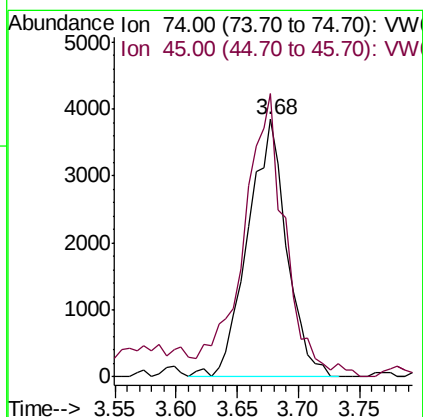
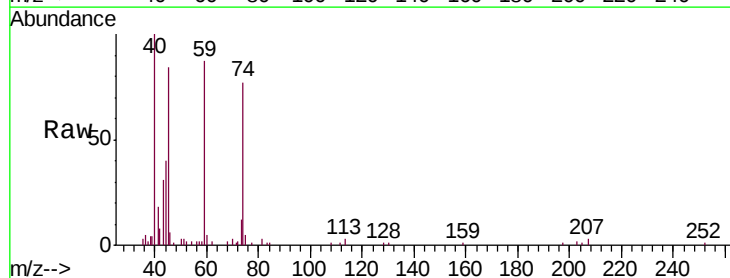
Tgt Ion: 101 Resp: 10041
Ion Ratio Lower Upper
101 100
103 66.1 50.5 75.7

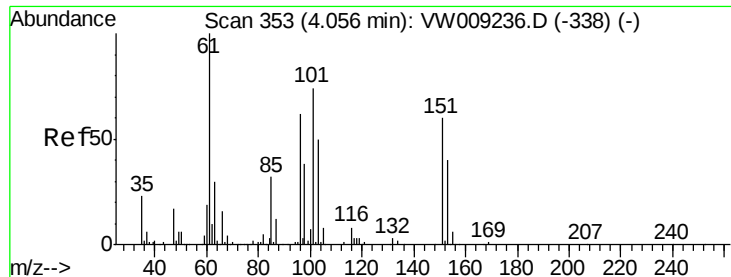


#8

Diethyl Ether
Concen: 5.612 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion: 74 Resp: 8519
Ion Ratio Lower Upper
74 100
45 109.8 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.879 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

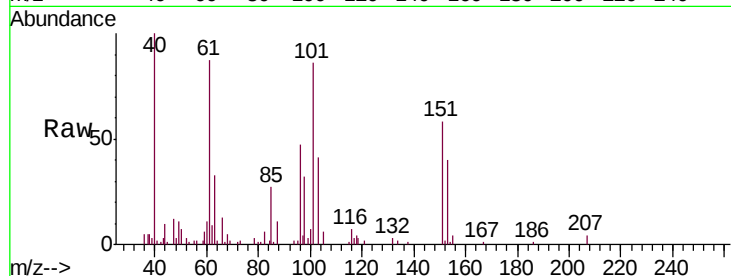
Tgt Ion:101 Resp: 17926

Ion Ratio Lower Upper

101 100

85 17.3 35.1 52.7#

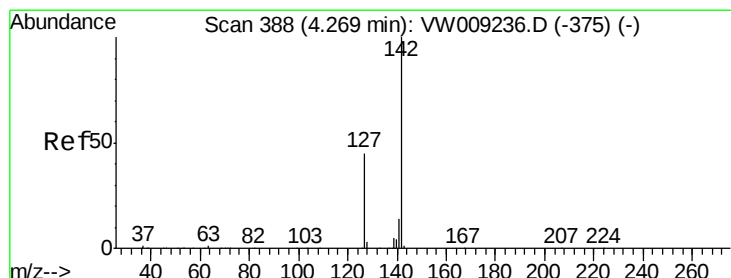
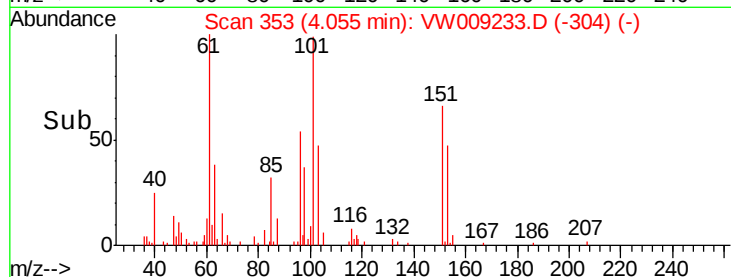
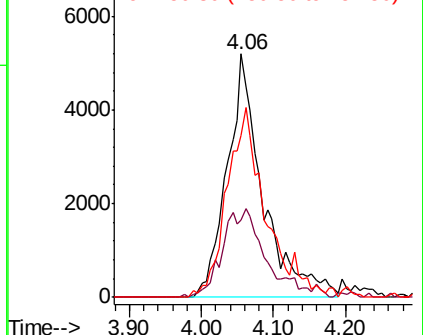
151 77.8 62.9 94.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.584 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

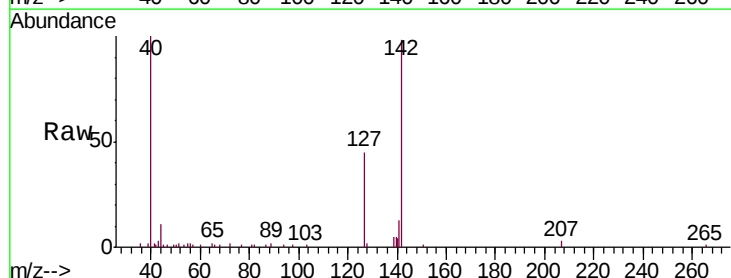
Tgt Ion:142 Resp: 24544

Ion Ratio Lower Upper

142 100

127 45.0 35.9 53.9

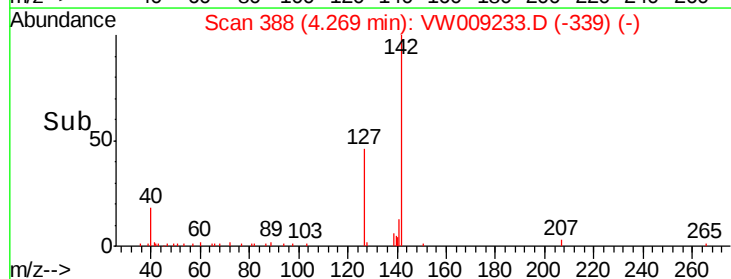
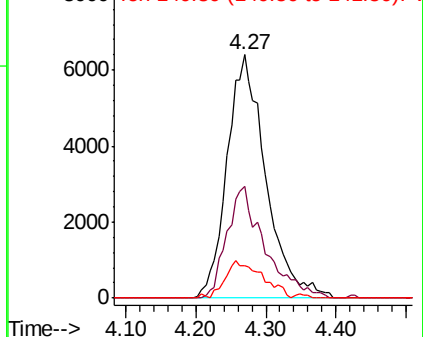
141 14.8 11.4 17.2

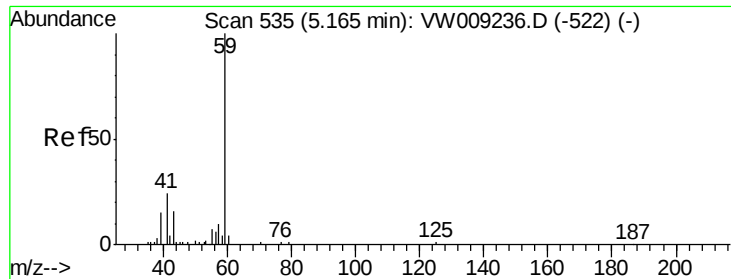


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

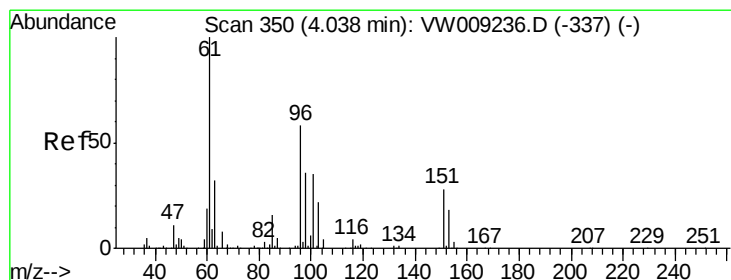
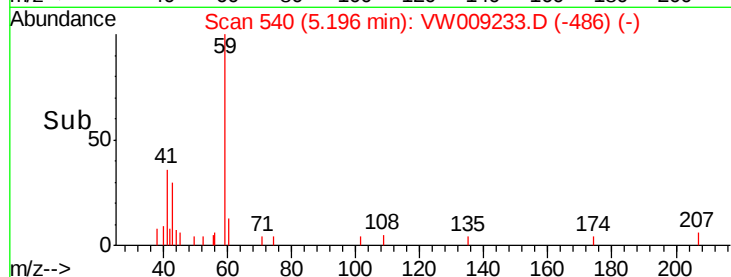
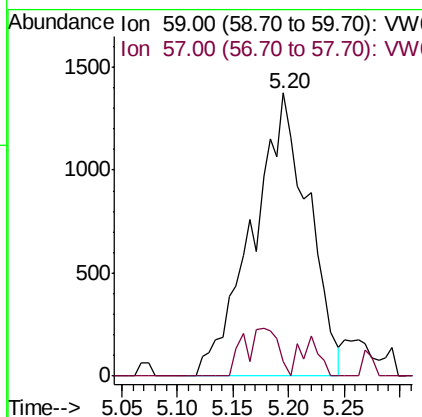
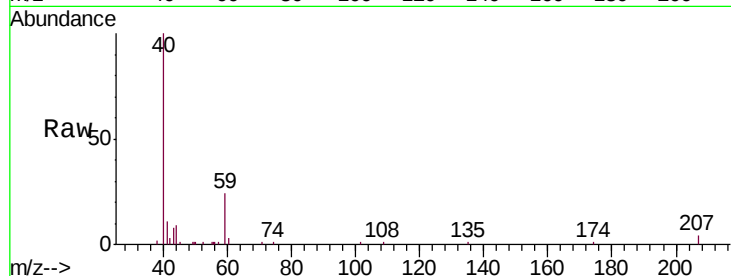




#11
Tert butyl alcohol
Concen: 25.735 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.03 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

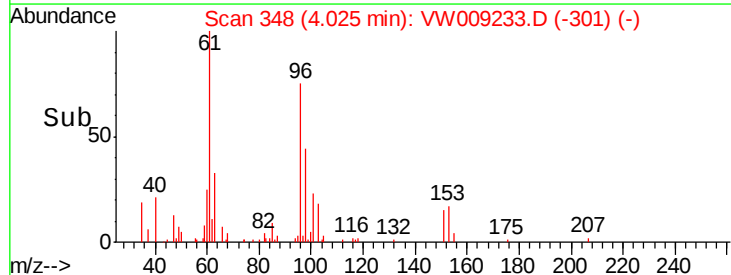
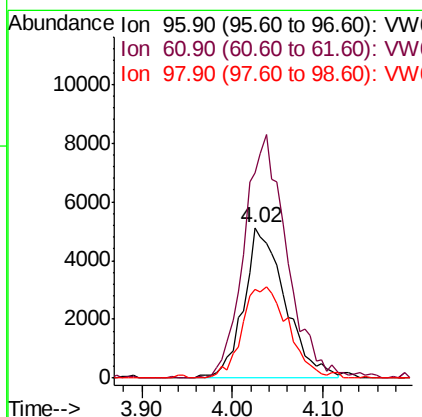
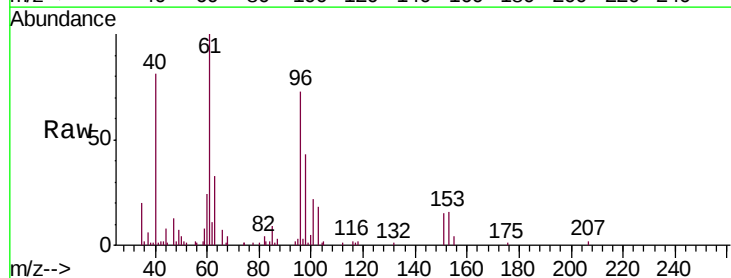
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

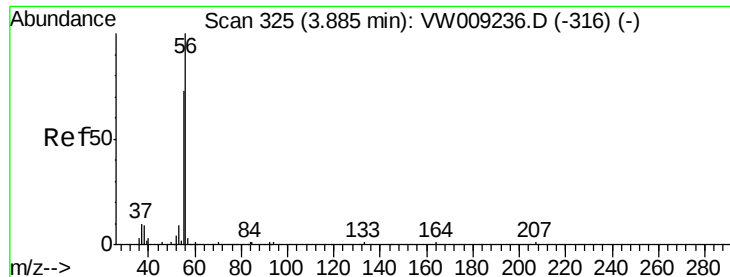
Tgt Ion: 59 Resp: 4797
Ion Ratio Lower Upper
59 100
57 7.1 9.4 14.0#



#12
1,1-Dichloroethene
Concen: 5.609 ug/l
RT: 4.02 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion: 96 Resp: 16165
Ion Ratio Lower Upper
96 100
61 136.5 138.0 207.0#
98 59.2 49.8 74.8





#13

Acrolein

Concen: 29.312 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

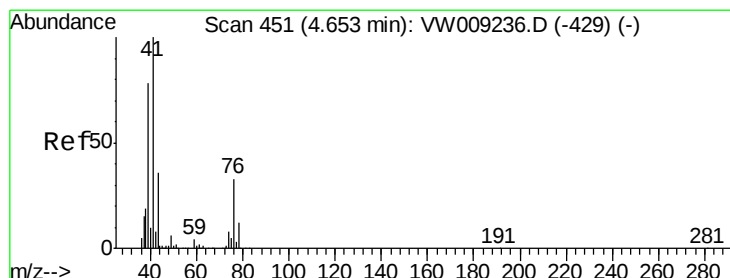
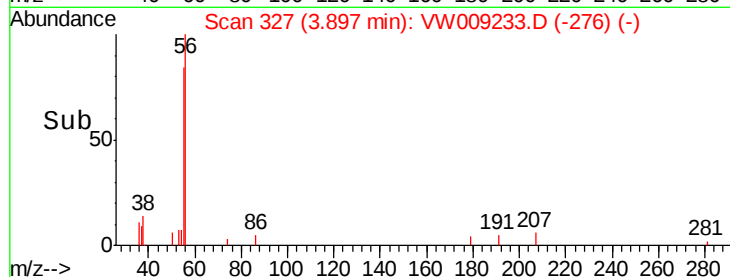
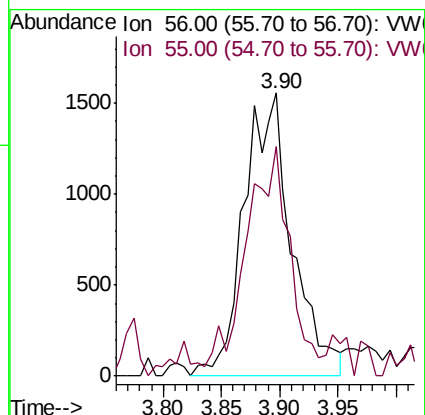
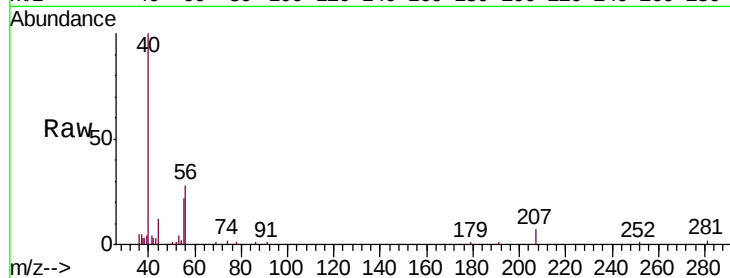
VSTDIC005

Tgt Ion: 56 Resp: 4462

Ion Ratio Lower Upper

56 100

55 69.3 55.2 82.8



#14

Allyl chloride

Concen: 5.570 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

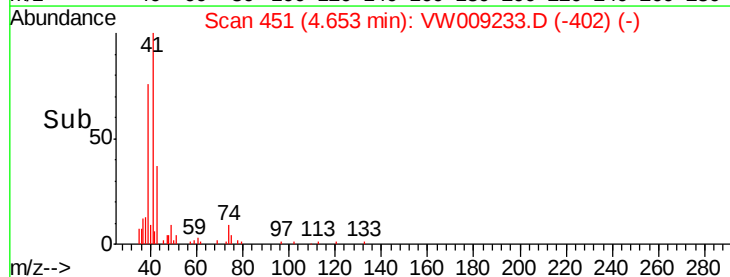
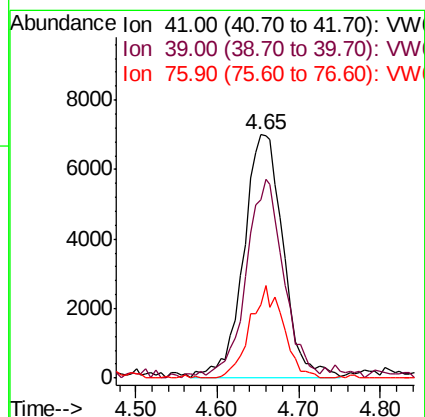
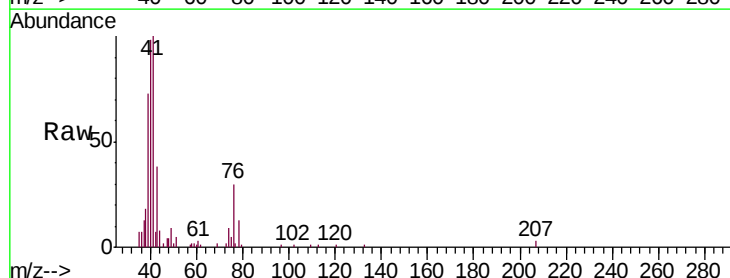
Tgt Ion: 41 Resp: 23666

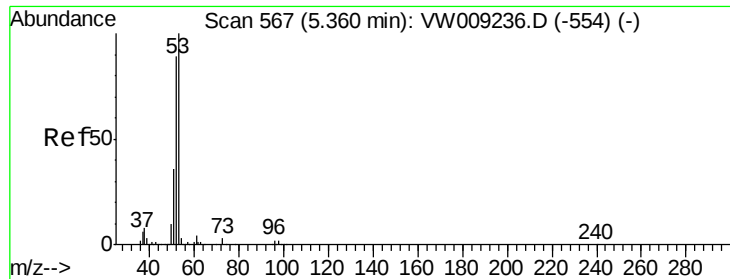
Ion Ratio Lower Upper

41 100

39 74.3 63.8 95.6

76 31.8 27.8 41.6

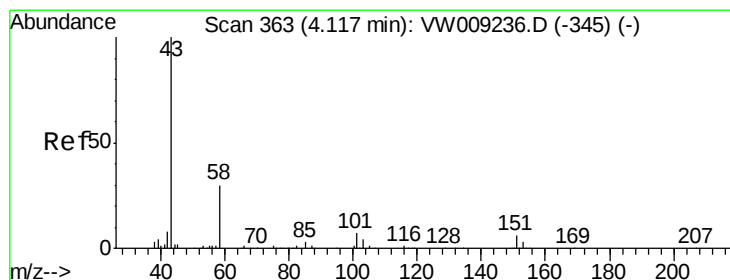
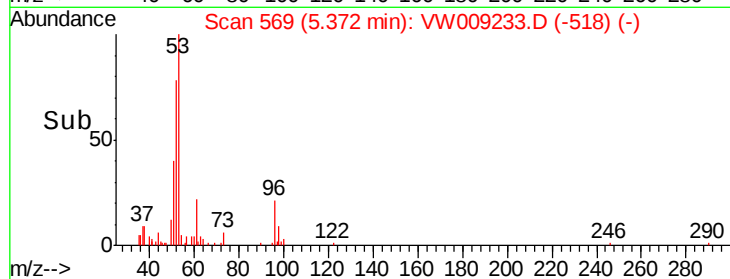
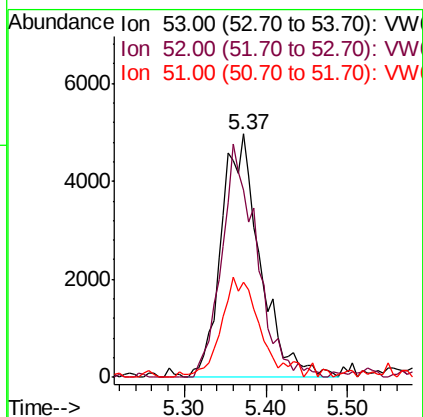
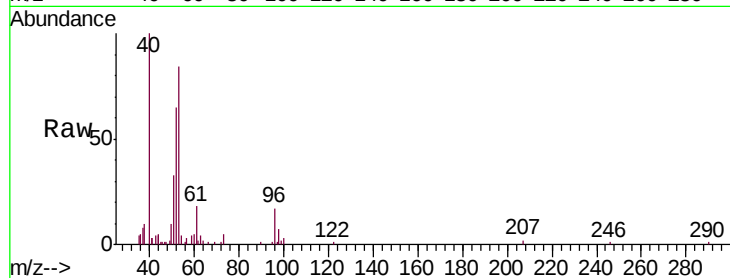




#15
 Acrylonitrile
 Concen: 25.683 ug/l
 RT: 5.37 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

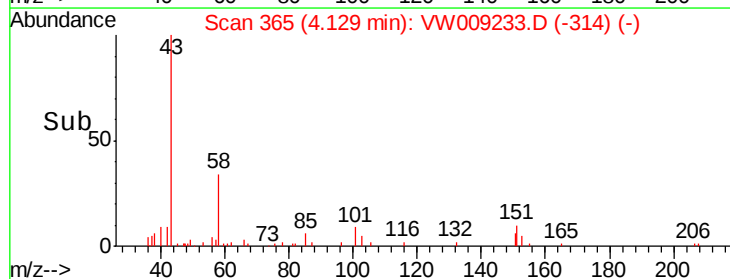
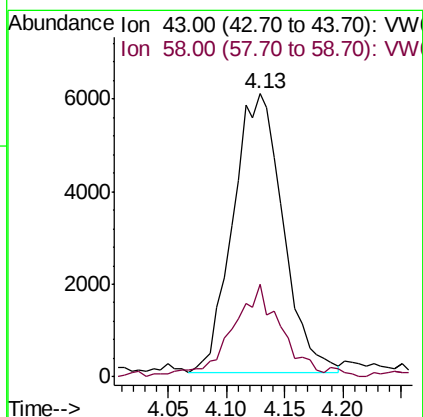
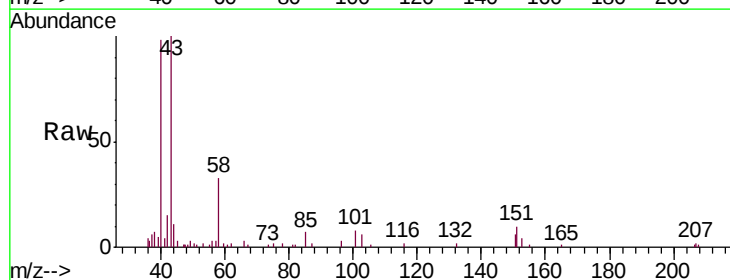
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

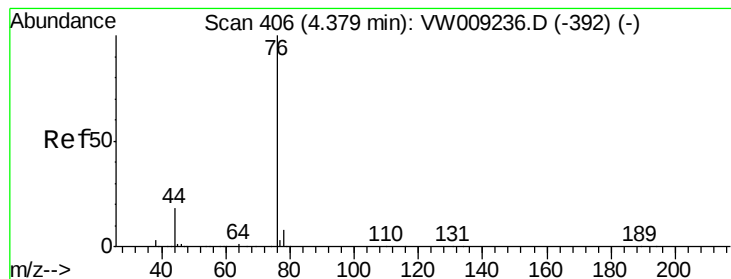
Tgt Ion: 53 Resp: 16385
 Ion Ratio Lower Upper
 53 100
 52 86.9 67.6 101.4
 51 39.5 30.6 45.8



#16
 Acetone
 Concen: 27.431 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion: 43 Resp: 18079
 Ion Ratio Lower Upper
 43 100
 58 31.0 23.6 35.4





#17

Carbon Disulfide

Concen: 5.620 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

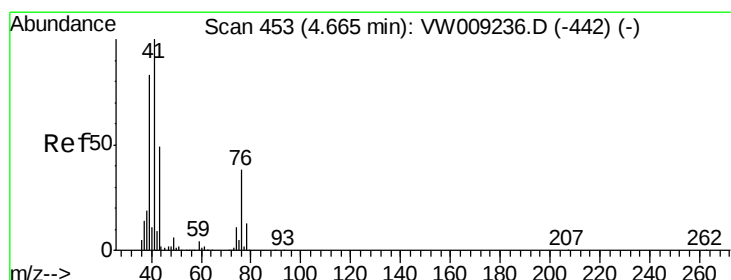
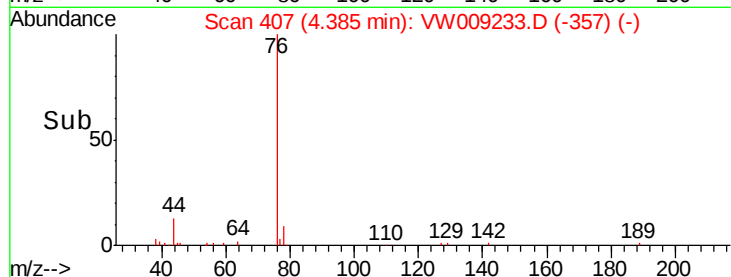
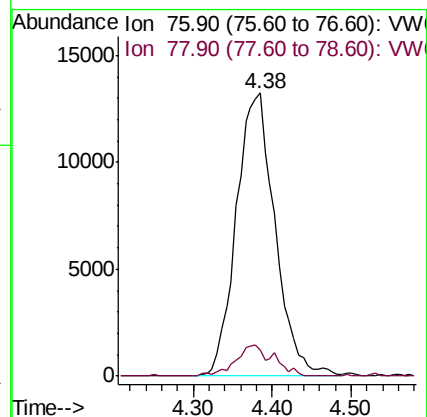
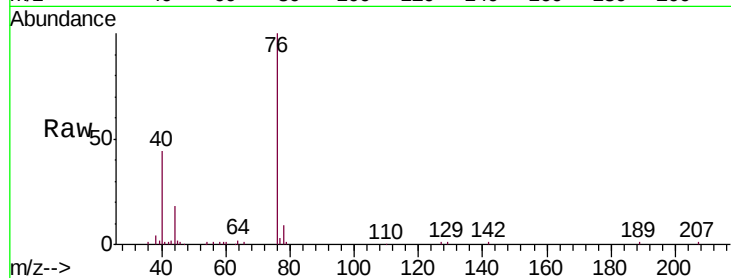
VSTDIC005

Tgt Ion: 76 Resp: 45156

Ion Ratio Lower Upper

76 100

78 9.4 6.6 9.8



#18

Methyl Acetate

Concen: 5.959 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009233.D

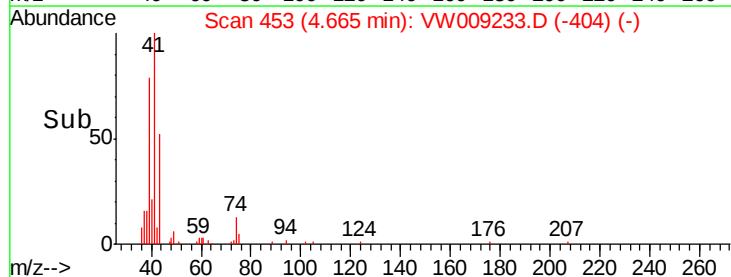
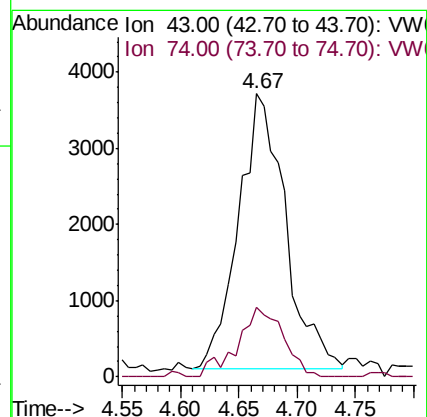
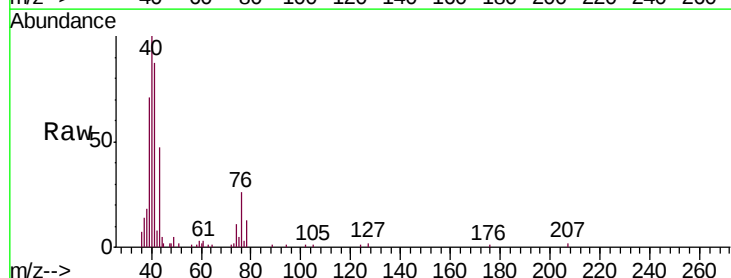
Acq: 19 Mar 2019 10:57

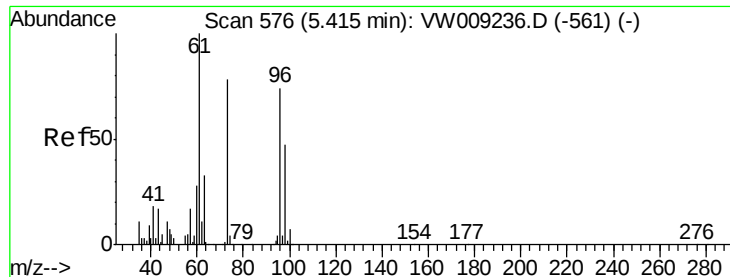
Tgt Ion: 43 Resp: 10080

Ion Ratio Lower Upper

43 100

74 24.8 17.7 26.5



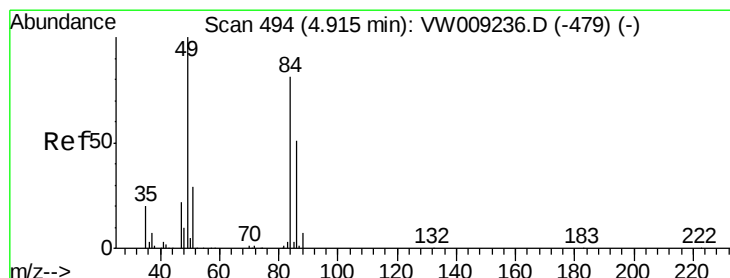
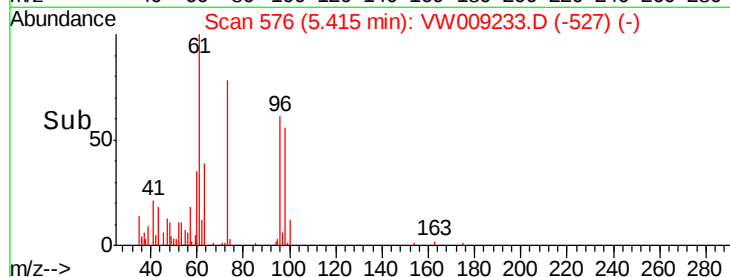
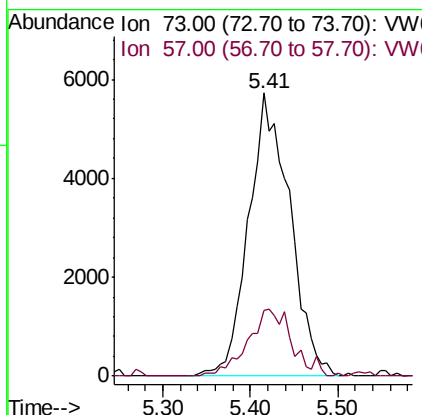
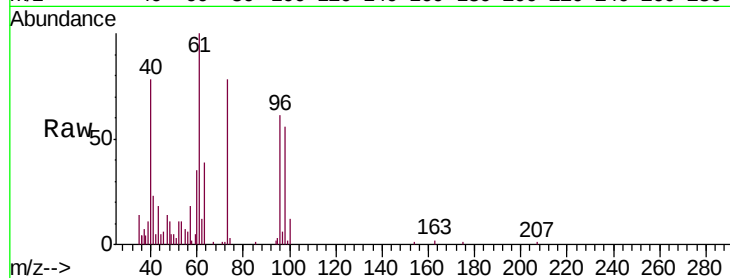


#19

Methyl tert-butyl Ether
 Concen: 5.304 ug/l
 RT: 5.41 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

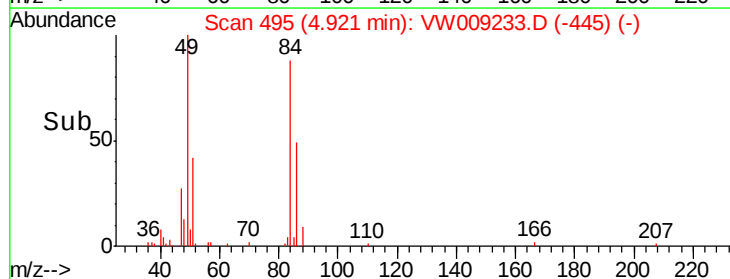
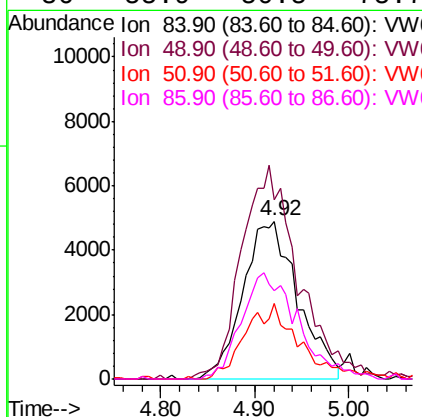
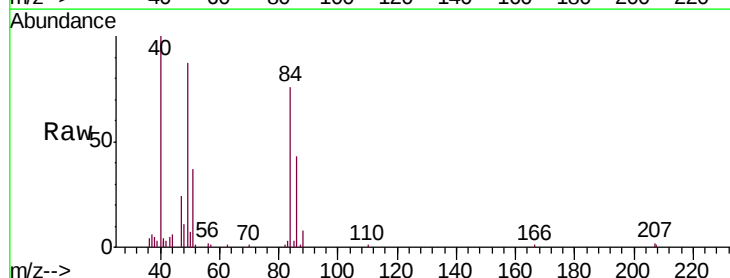
Tgt Ion: 73 Resp: 18761
 Ion Ratio Lower Upper
 73 100
 57 23.2 17.0 25.6

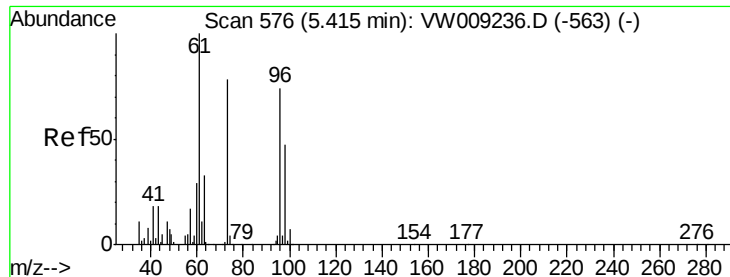


#20

Methylene Chloride
 Concen: 6.476 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion: 84 Resp: 19928
 Ion Ratio Lower Upper
 84 100
 49 113.8 99.1 148.7
 51 46.5 28.7 43.1#
 86 55.9 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 5.502 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

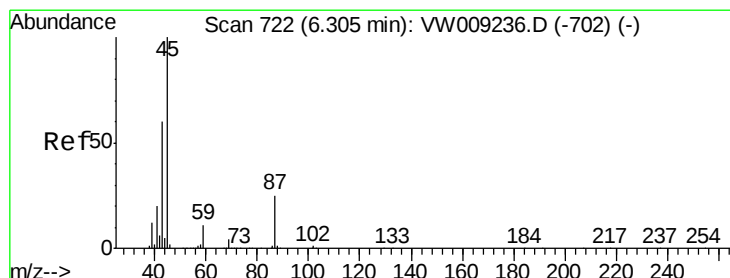
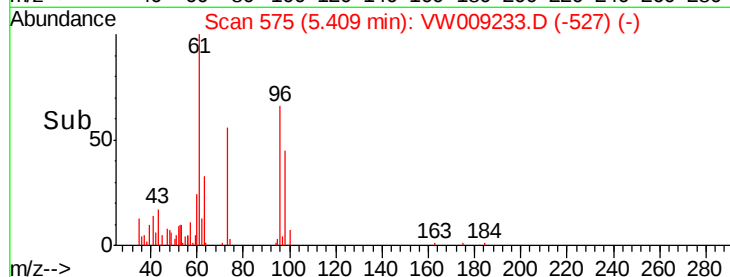
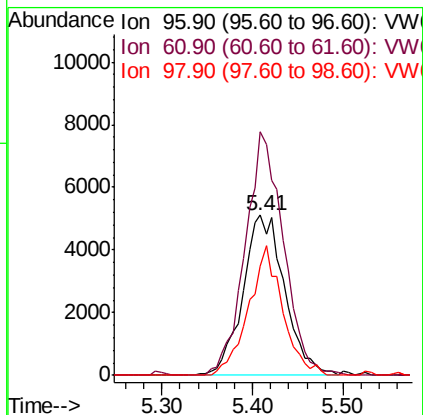
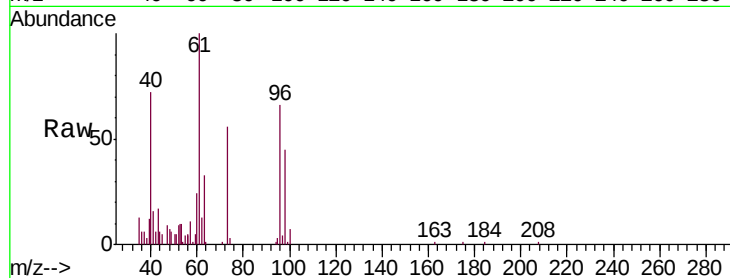
Tgt Ion: 96 Resp: 16314

Ion Ratio Lower Upper

96 100

61 152.0 108.2 162.4

98 67.9 50.9 76.3



#22

Diisopropyl ether

Concen: 5.053 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Tgt Ion: 45 Resp: 46289

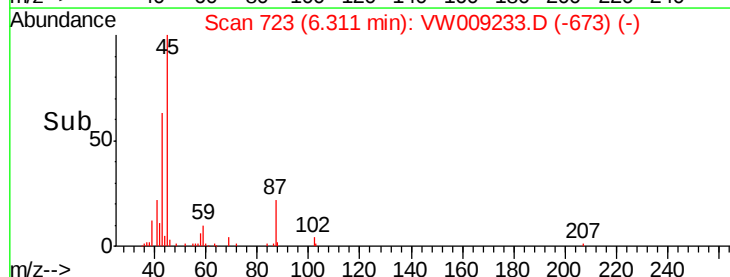
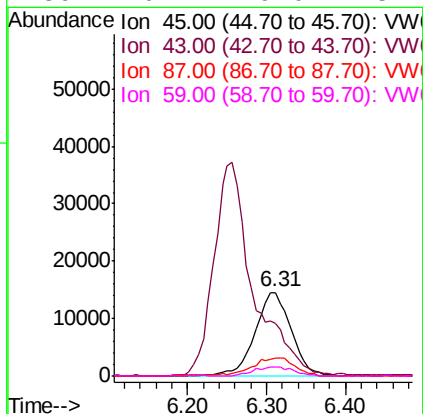
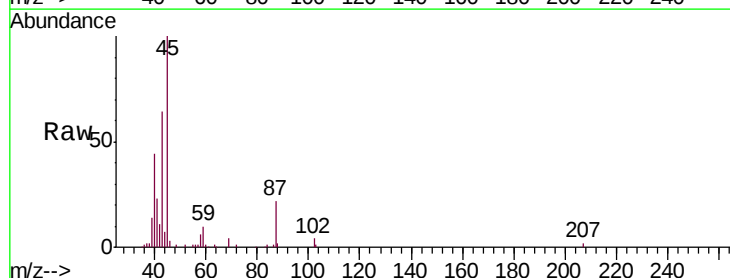
Ion Ratio Lower Upper

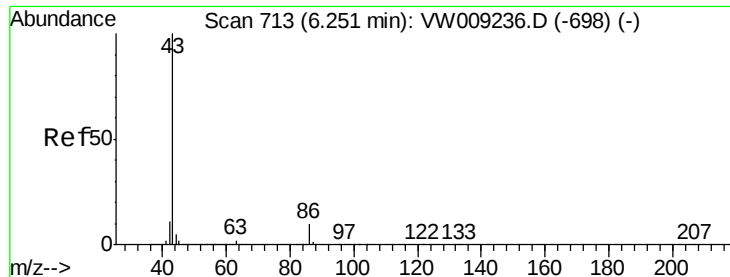
45 100

43 60.5 47.9 71.9

87 21.9 20.6 30.8

59 10.4 9.0 13.4





#23

Vinyl Acetate

Concen: 22.492 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

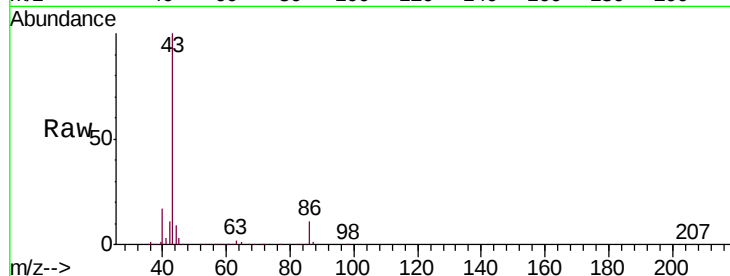
VSTDIC005

Tgt Ion: 43 Resp: 129272

Ion Ratio Lower Upper

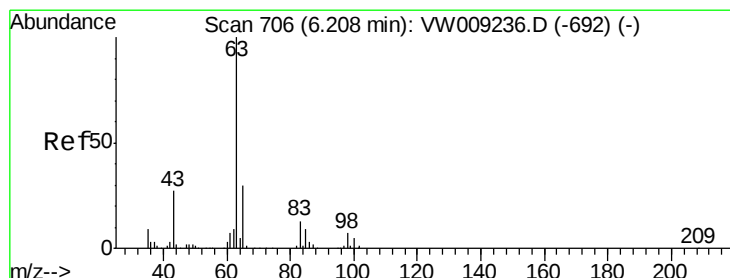
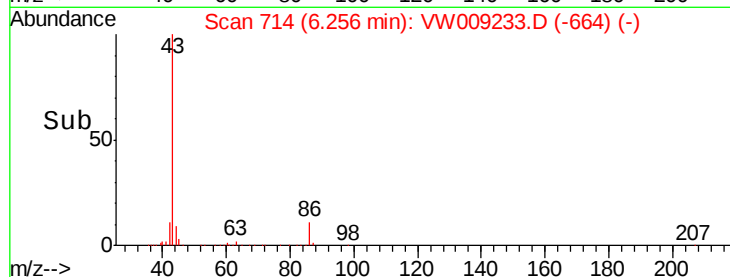
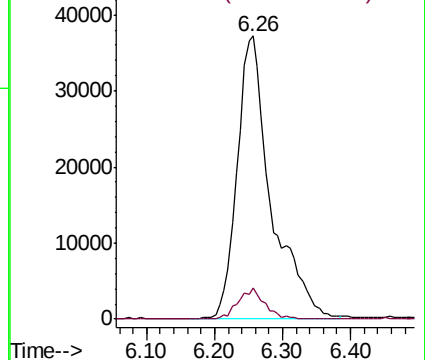
43 100

86 10.9 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 5.677 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

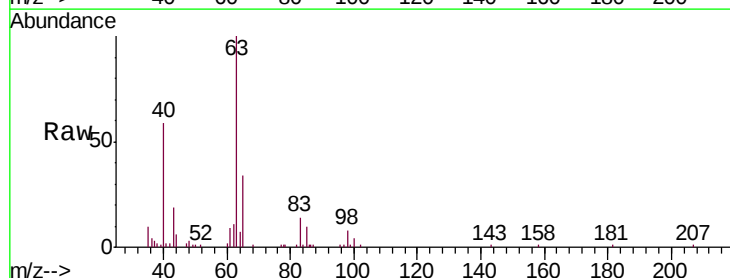
Tgt Ion: 63 Resp: 32092

Ion Ratio Lower Upper

63 100

98 8.1 3.7 11.1

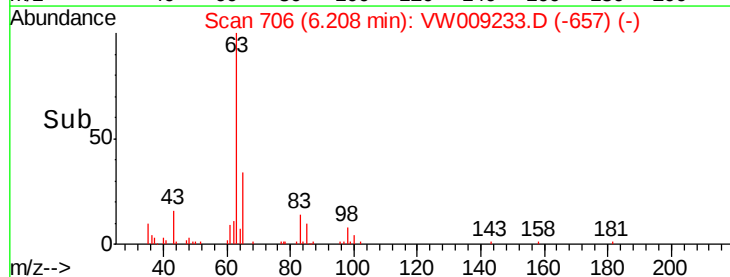
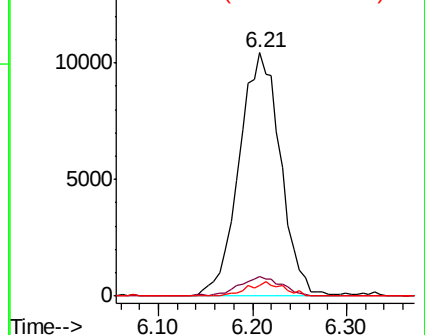
100 4.2 2.4 7.1

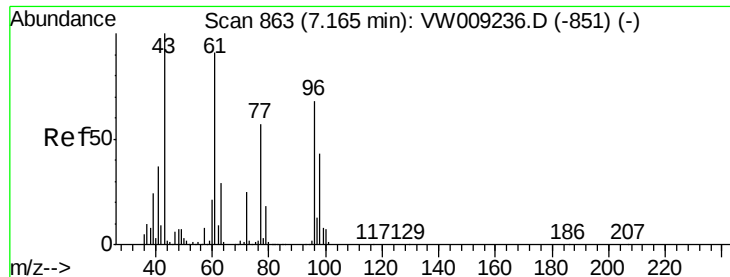


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 25.140 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampled :

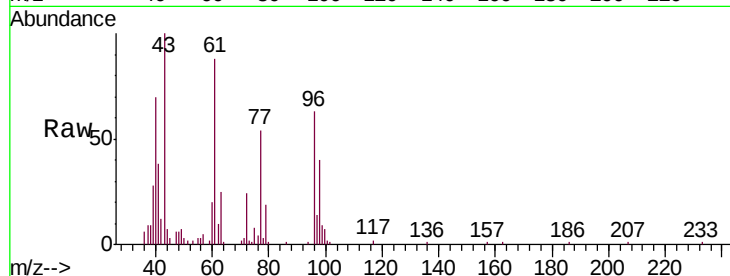
VSTDIC005

Tgt Ion: 43 Resp: 23741

Ion Ratio Lower Upper

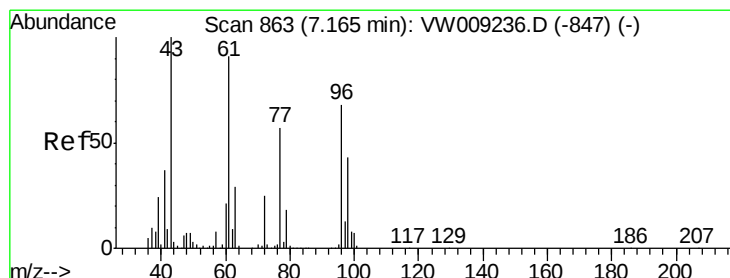
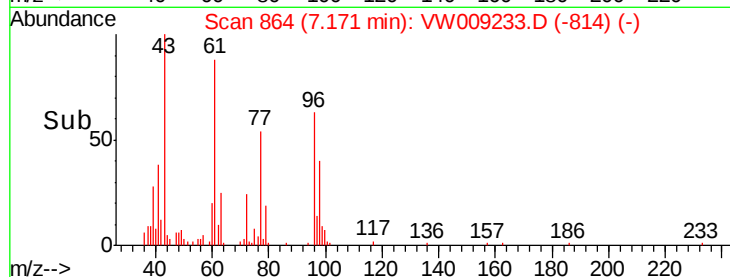
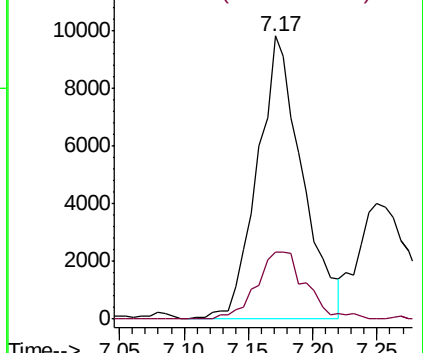
43 100

72 23.6 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 5.577 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009233.D

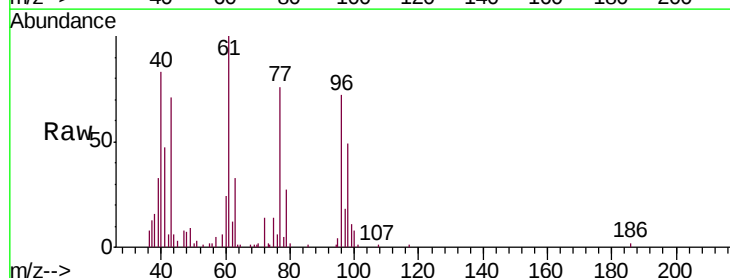
Acq: 19 Mar 2019 10:57

Tgt Ion: 77 Resp: 17617

Ion Ratio Lower Upper

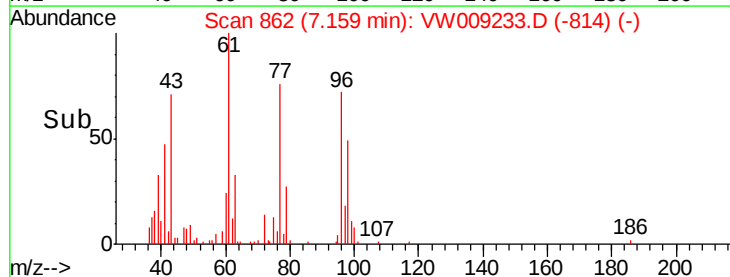
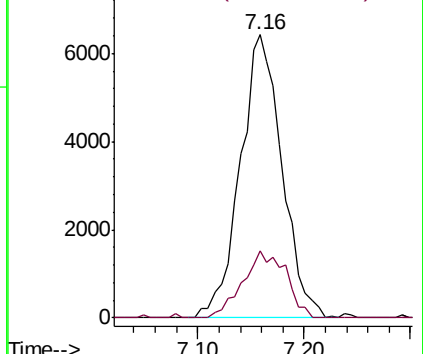
77 100

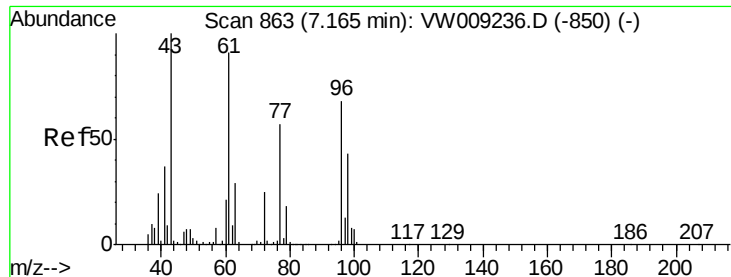
97 24.4 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



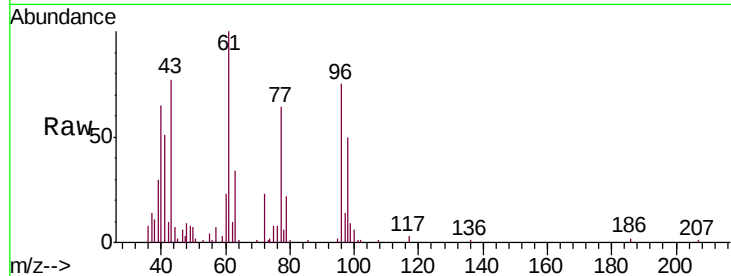


#27

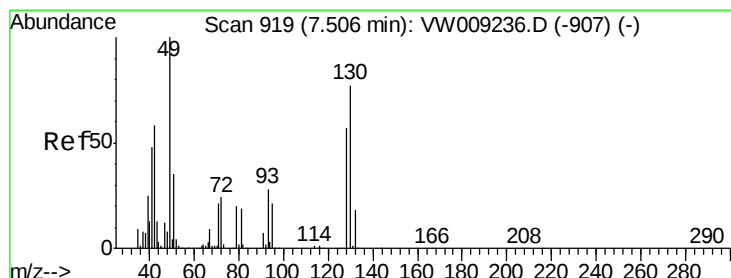
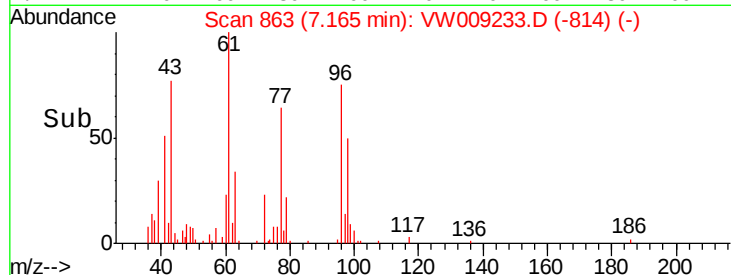
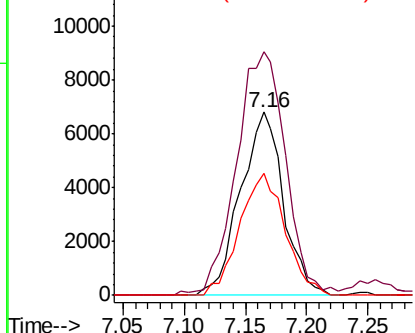
cis-1,2-Dichloroethene
 Concen: 5.180 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 96 Resp: 16641
 Ion Ratio Lower Upper
 96 100
 61 151.8 0.0 289.8
 98 70.3 0.0 130.8



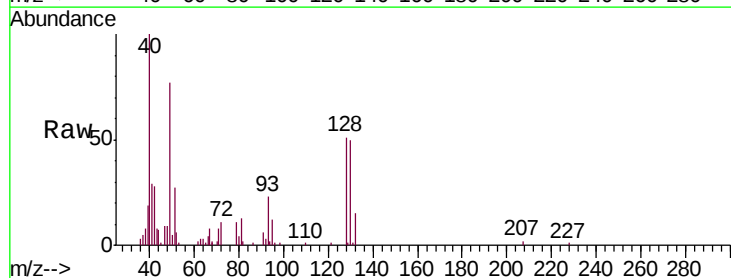
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



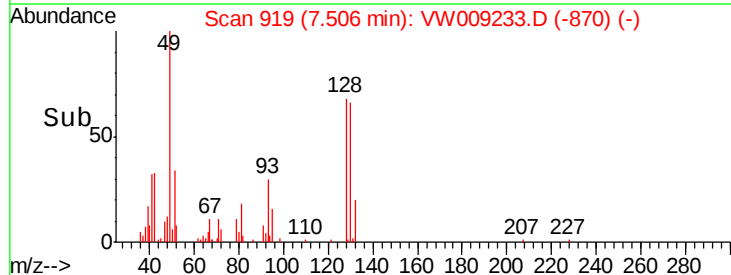
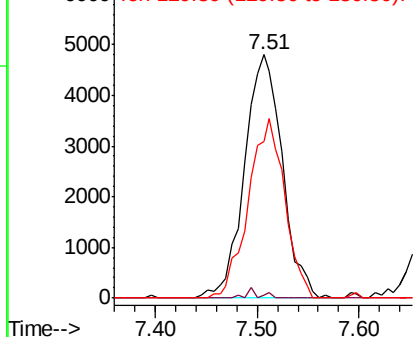
#28

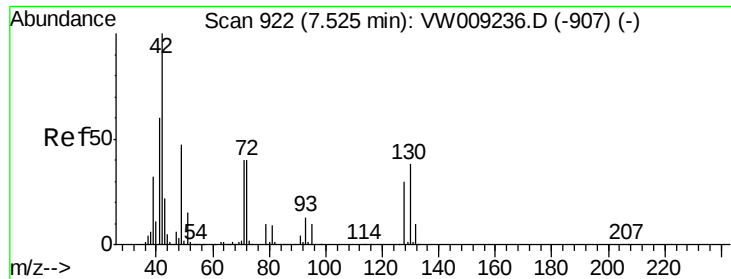
Bromochloromethane
 Concen: 4.981 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion: 49 Resp: 12351
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 1.4
 130 70.9 58.6 88.0



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

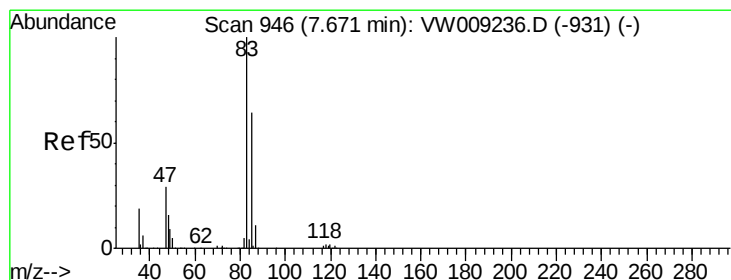
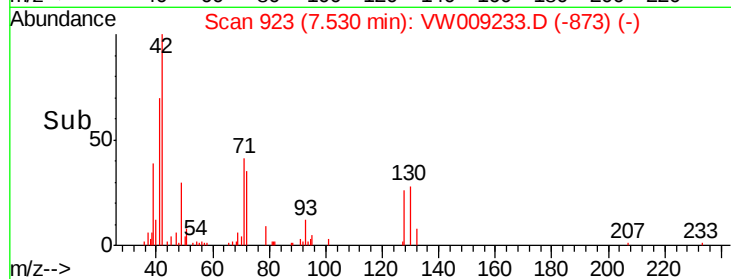
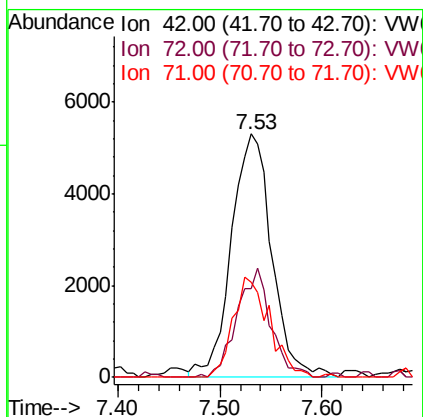
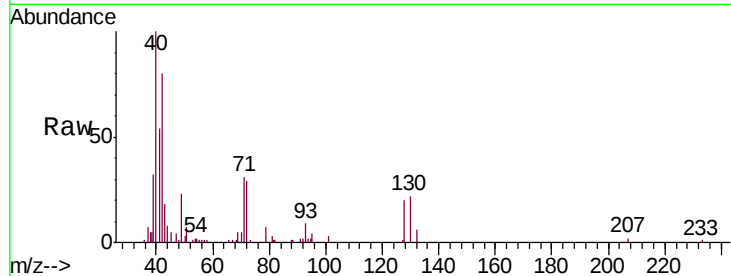




#29
Tetrahydrofuran
Concen: 24.255 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

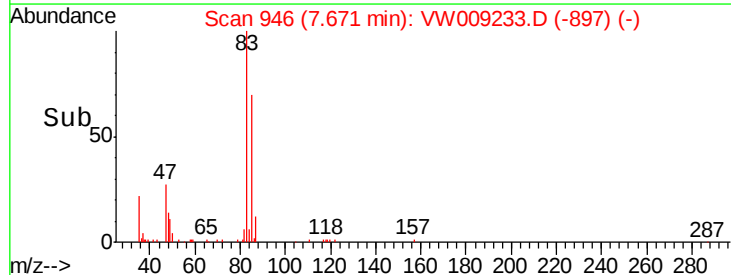
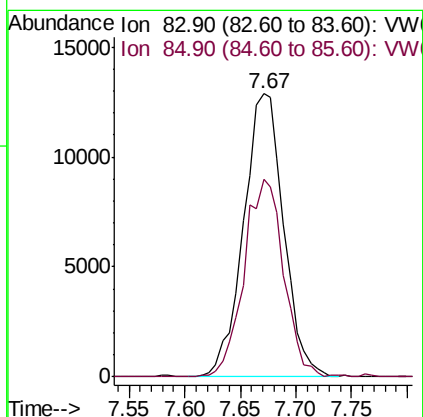
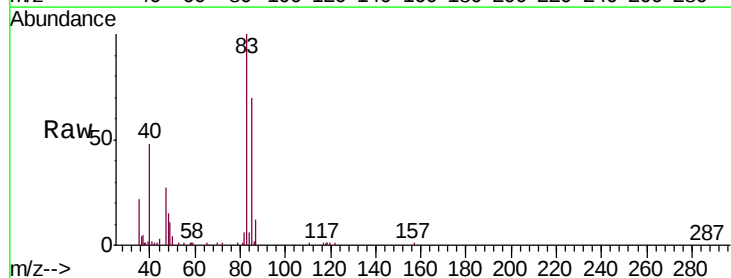
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

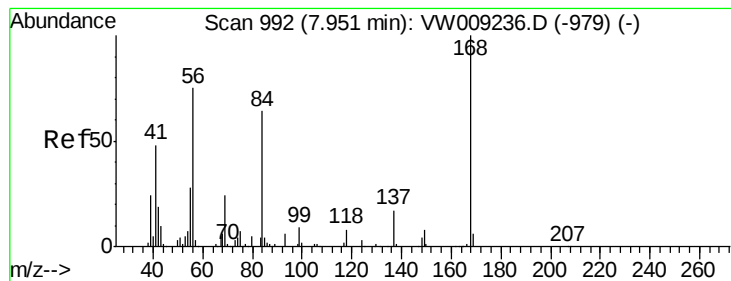
Tgt Ion: 42 Resp: 14559
Ion Ratio Lower Upper
42 100
72 37.8 32.4 48.6
71 36.9 30.1 45.1



#30
Chloroform
Concen: 5.481 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion: 83 Resp: 32238
Ion Ratio Lower Upper
83 100
85 69.9 51.0 76.6





#31

Cyclohexane

Concen: 6.046 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

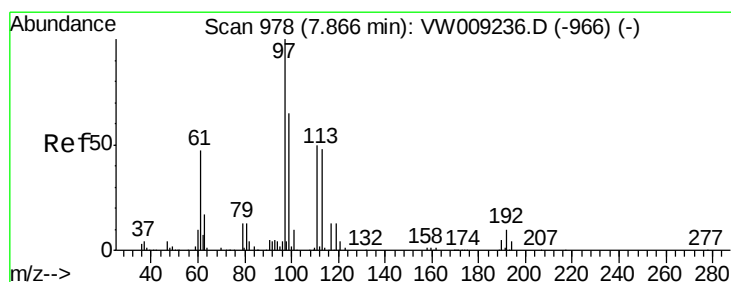
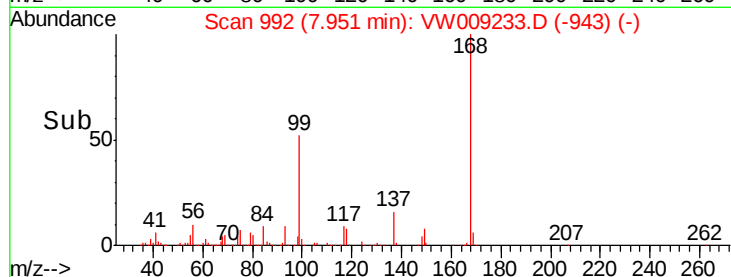
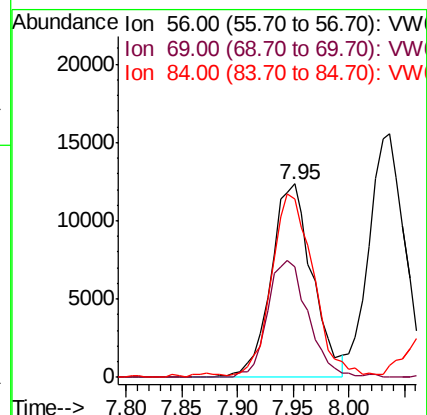
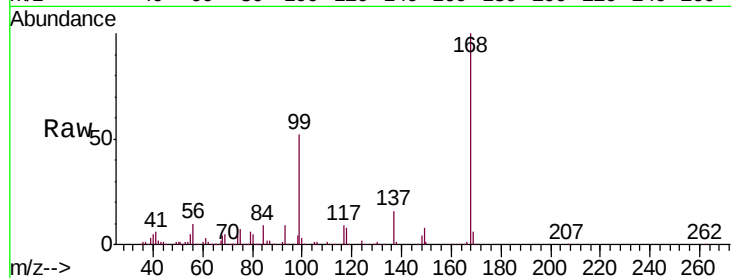
Tgt Ion: 56 Resp: 31864

Ion Ratio Lower Upper

56 100

69 56.6 26.1 39.1#

84 90.8 68.6 103.0



#32

1,1,1-Trichloroethane

Concen: 5.697 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

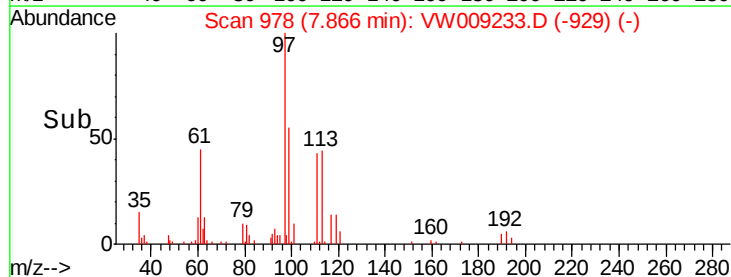
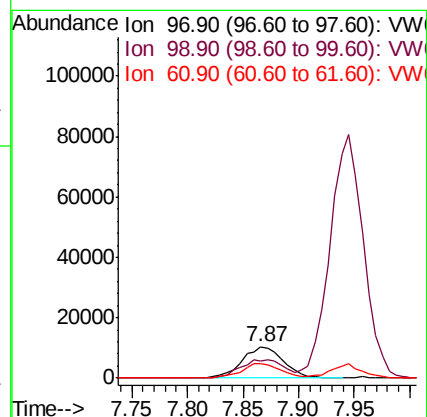
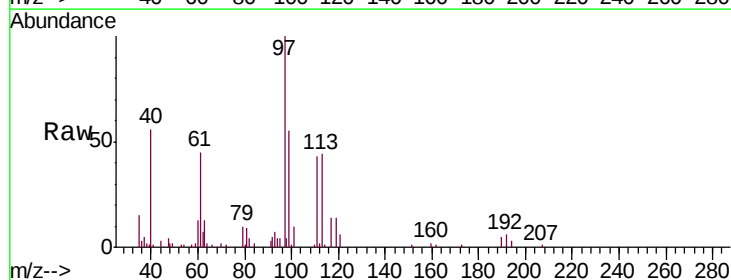
Tgt Ion: 97 Resp: 26749

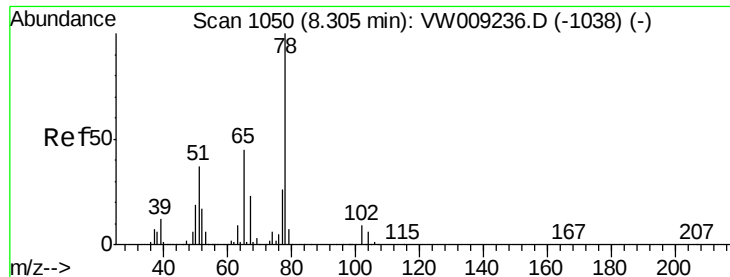
Ion Ratio Lower Upper

97 100

99 61.8 51.9 77.9

61 45.3 36.8 55.2

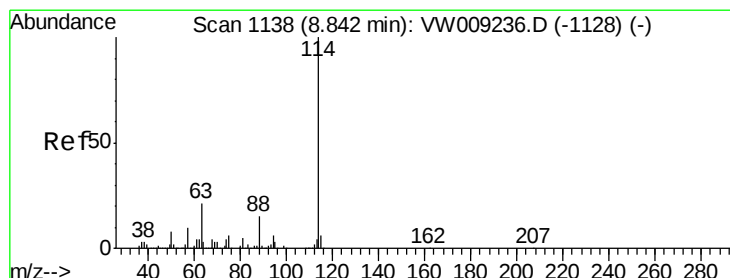
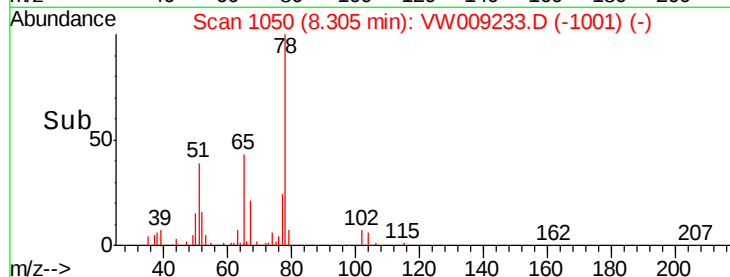
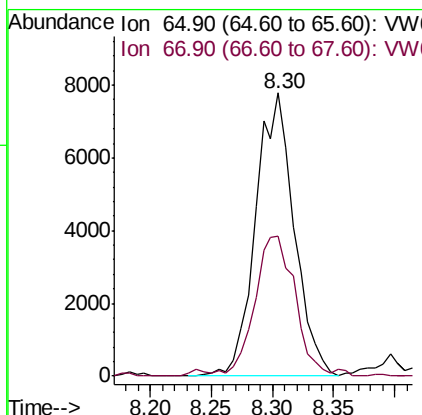
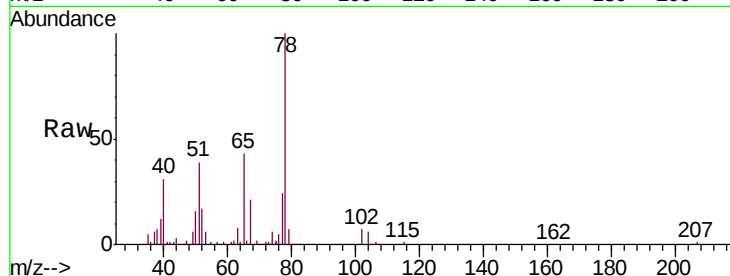




#33
 1,2-Dichloroethane-d4
 Concen: 5.310 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

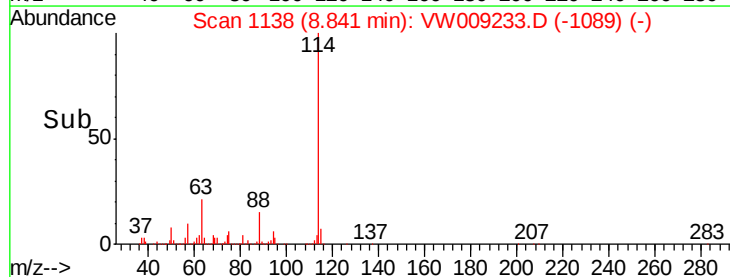
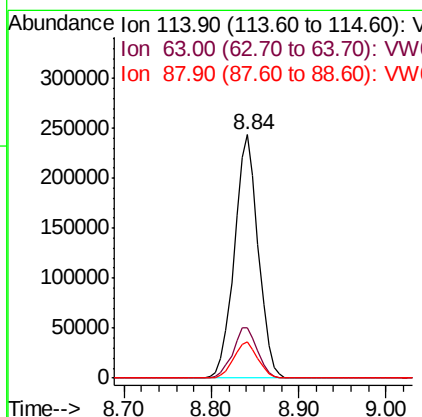
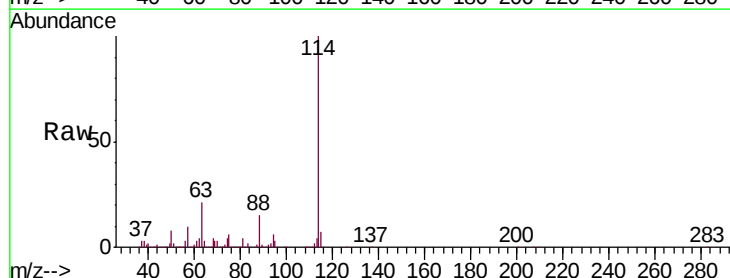
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

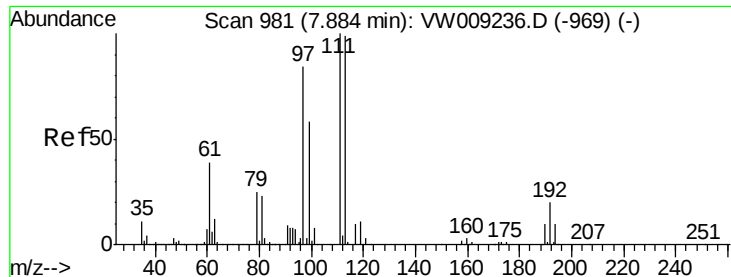
Tgt Ion: 65 Resp: 17057
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion: 114 Resp: 460628
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.2
 88 15.0 0.0 30.8

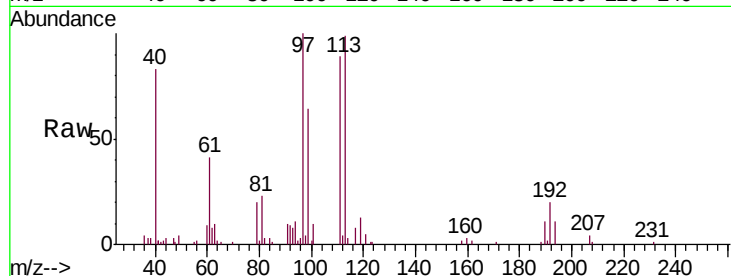




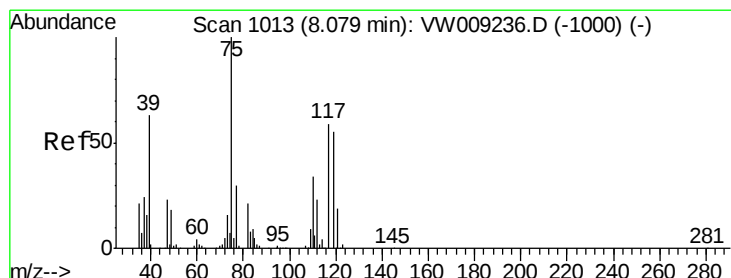
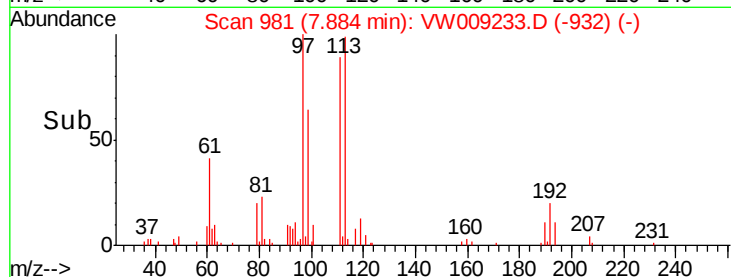
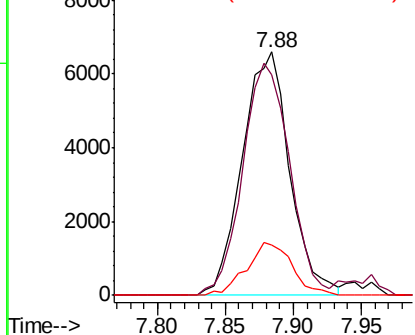
#35
 Dibromofluoromethane
 Concen: 5.475 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
113	100		
111	94.4	82.6	124.0
192	21.1	16.4	24.6

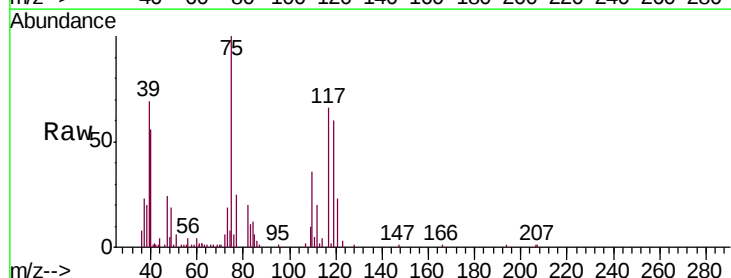


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

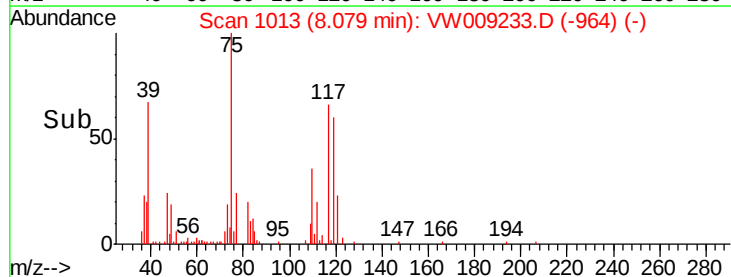
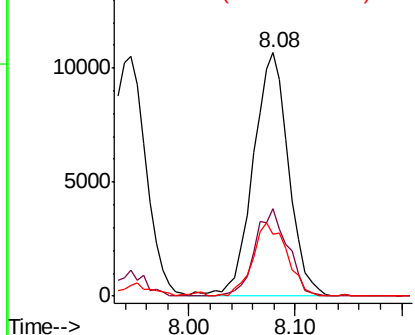


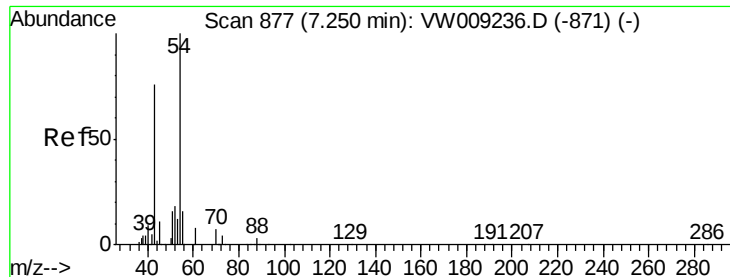
#36
 1,1-Dichloropropene
 Concen: 5.418 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.8	50.4
77	29.1	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

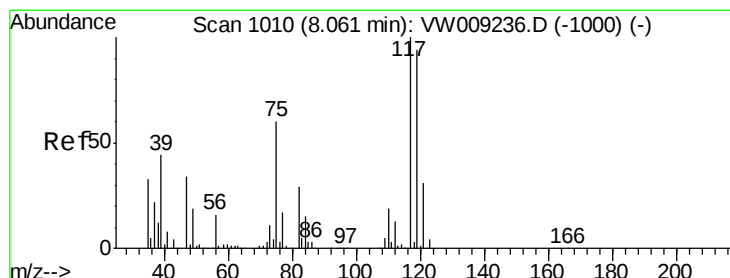
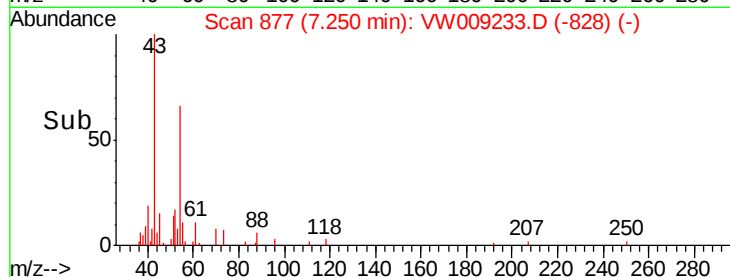
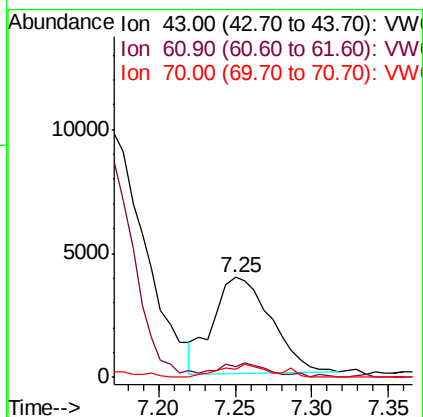
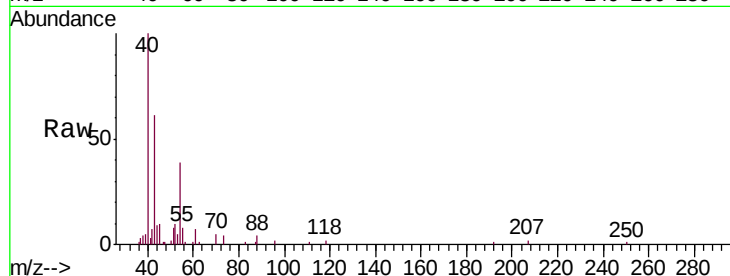




#37
 Ethyl Acetate
 Concen: 4.905 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

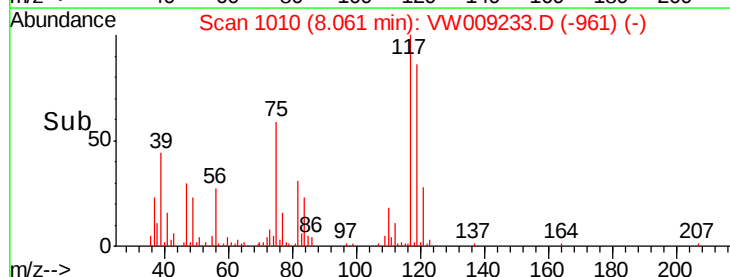
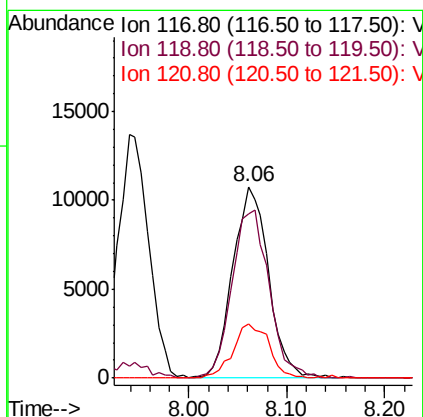
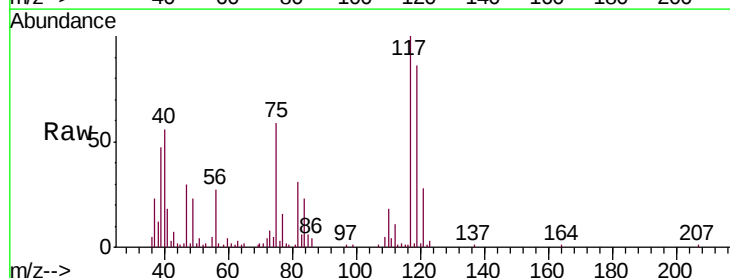
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

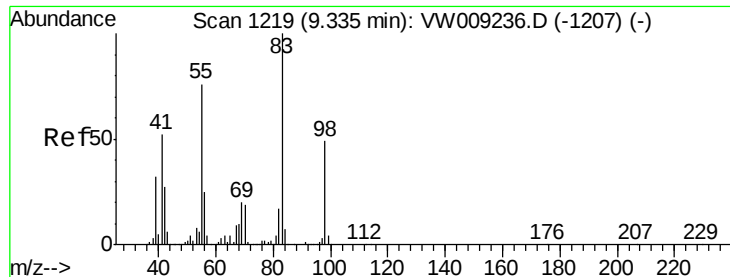
Tgt Ion:	43	Resp:	10260
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.0	15.0
70	10.3	7.3	10.9



#38
 Carbon Tetrachloride
 Concen: 5.651 ug/l
 RT: 8.06 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion:	117	Resp:	27413
Ion	Ratio	Lower	Upper
117	100		
119	86.1	75.4	113.0
121	28.3	24.9	37.3

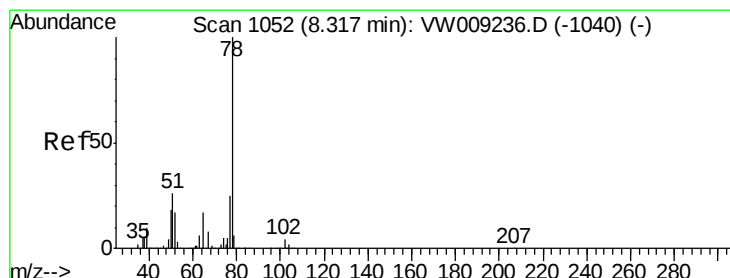
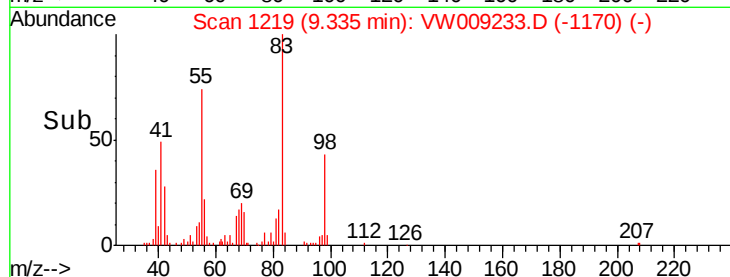
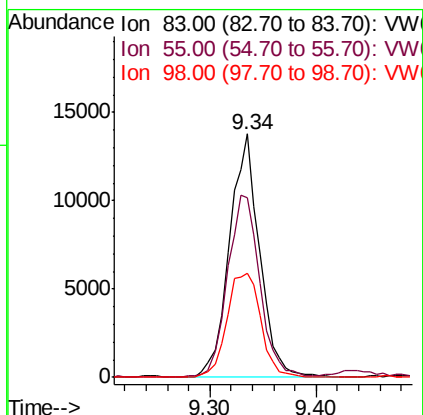
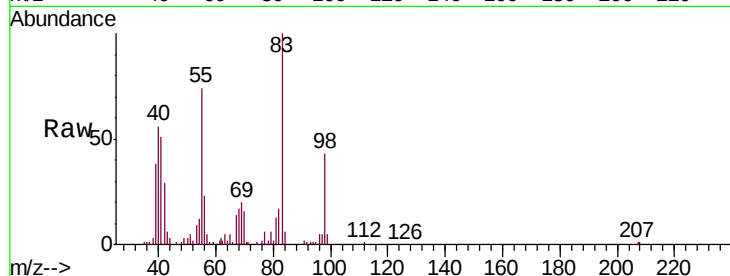




#39
Methylcyclohexane
Concen: 5.145 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

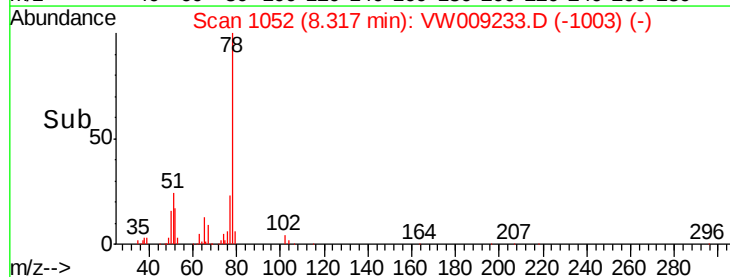
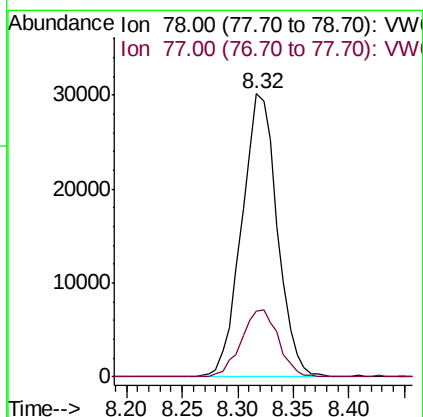
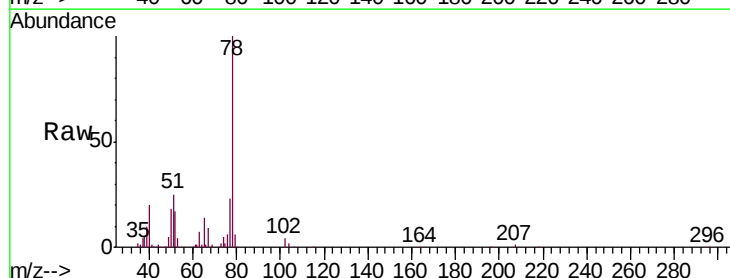
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

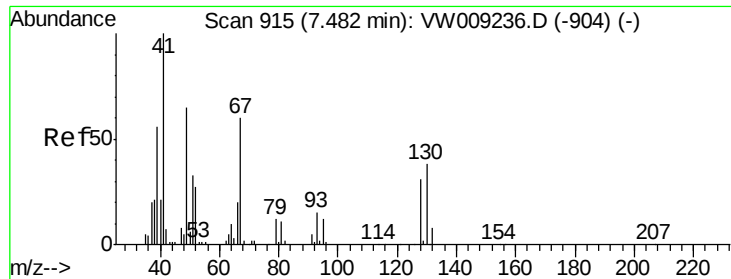
Tgt Ion: 83 Resp: 27286
Ion Ratio Lower Upper
83 100
55 73.4 61.1 91.7
98 42.7 39.0 58.4



#40
Benzene
Concen: 5.375 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion: 78 Resp: 66816
Ion Ratio Lower Upper
78 100
77 23.1 19.8 29.6

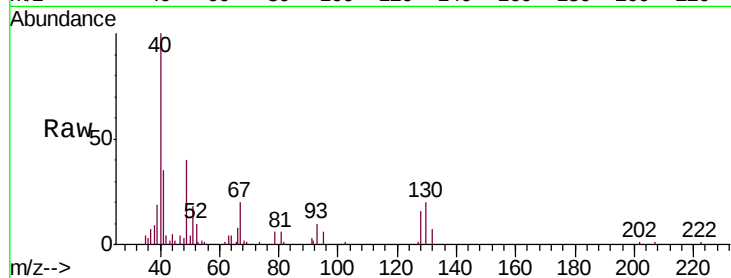




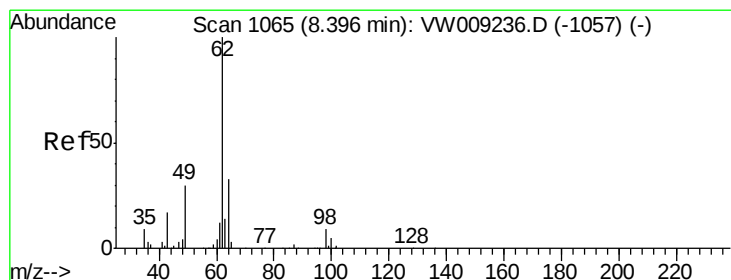
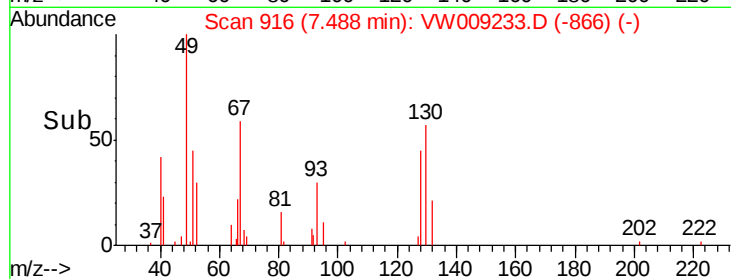
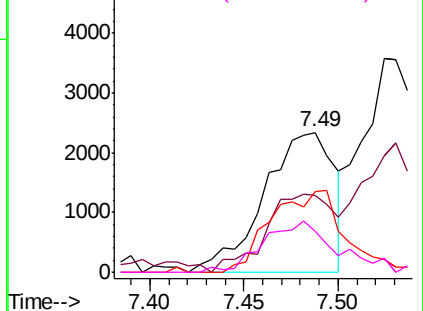
#41
Methacrylonitrile
Concen: 5.379 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	6064
Ion	Ratio	Lower	Upper
41	100		
39	54.1	52.5	78.7
67	61.6	56.6	84.8
52	38.6	27.2	40.8

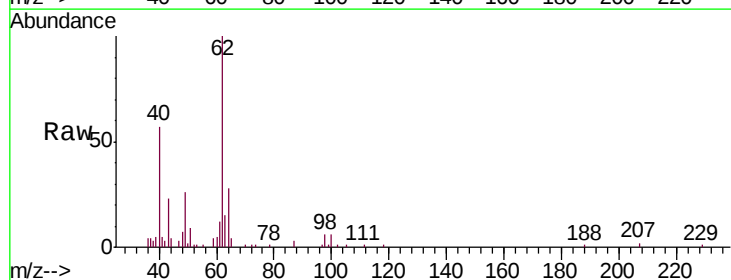


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

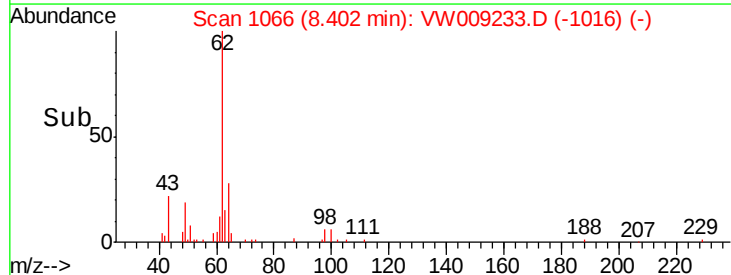
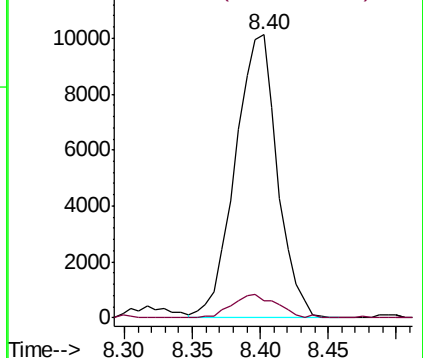


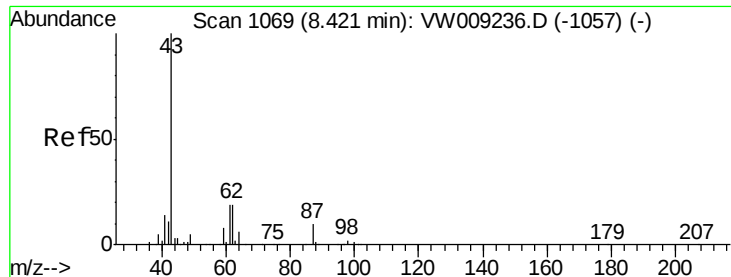
#42
1,2-Dichloroethane
Concen: 5.404 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion:	62	Resp:	21957
Ion	Ratio	Lower	Upper
62	100		
98	8.8	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: 5.046 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

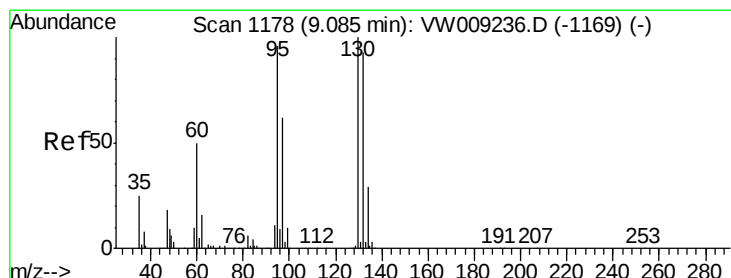
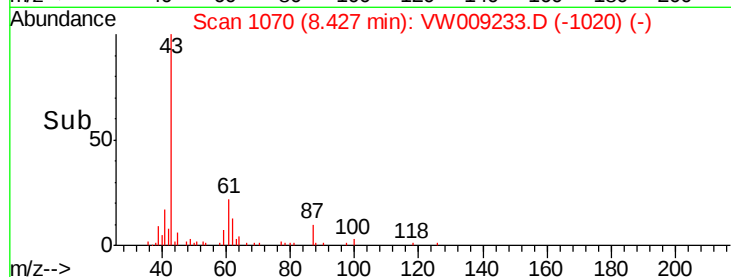
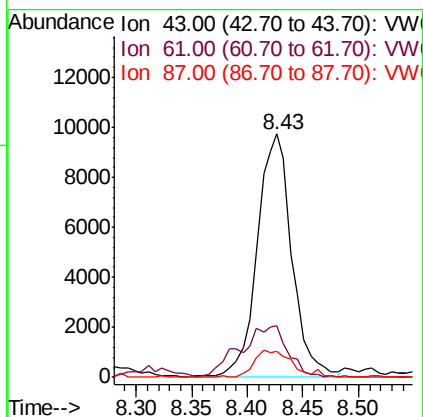
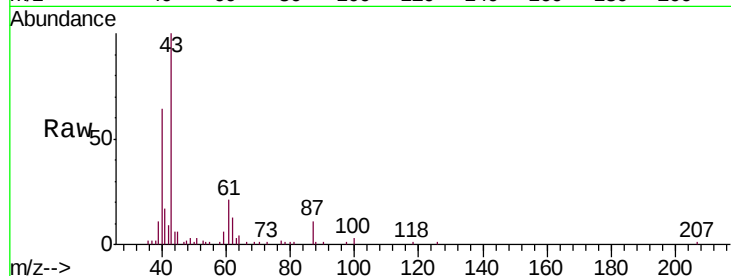
Tgt Ion: 43 Resp: 21135

Ion Ratio Lower Upper

43 100

61 29.1 22.2 33.2

87 11.7 9.6 14.4



#44

Trichloroethene

Concen: 5.701 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW009233.D

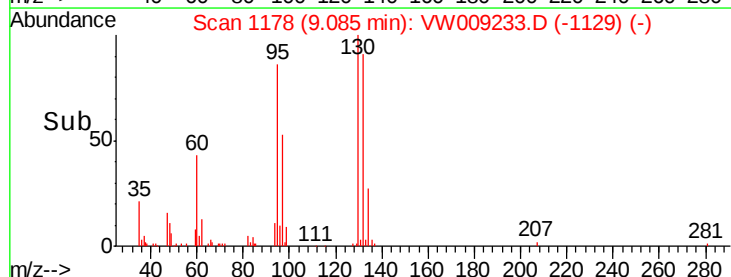
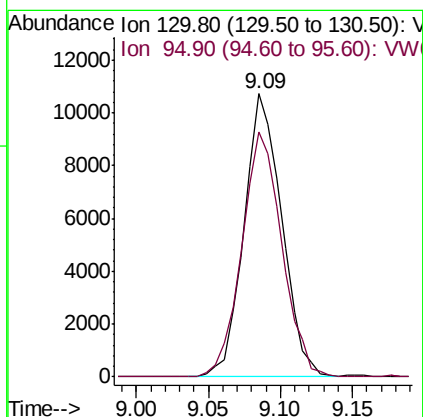
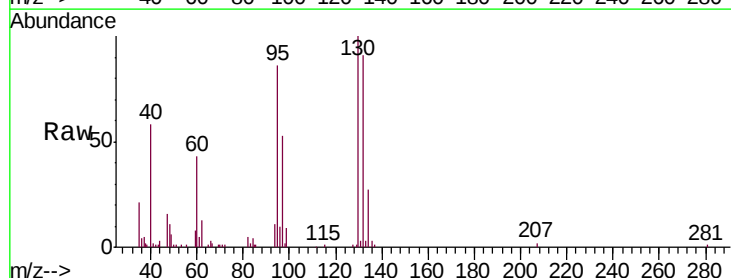
Acq: 19 Mar 2019 10:57

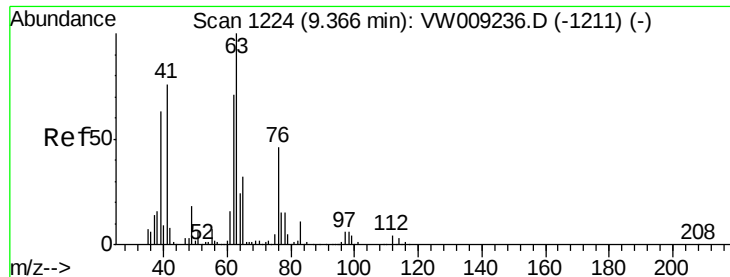
Tgt Ion: 130 Resp: 19414

Ion Ratio Lower Upper

130 100

95 86.3 0.0 192.6





#45

1,2-Dichloropropane

Concen: 5.528 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

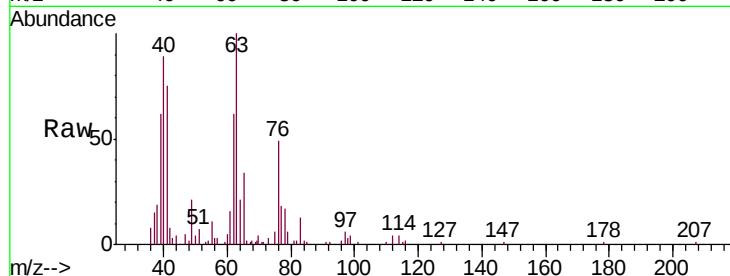
VSTDIC005

Tgt Ion: 63 Resp: 17467

Ion Ratio Lower Upper

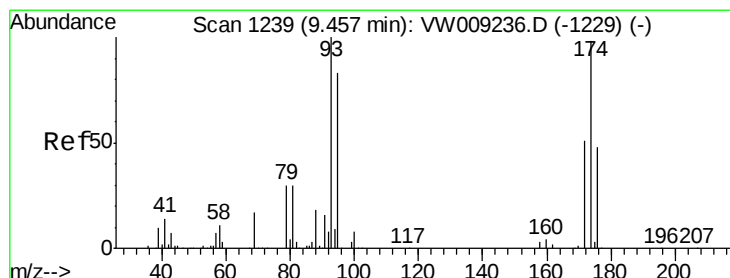
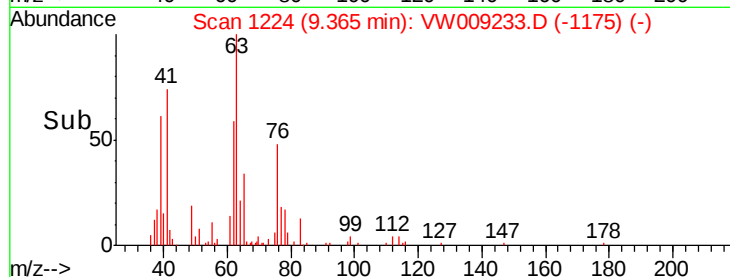
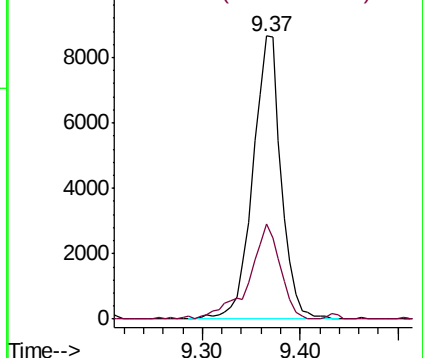
63 100

65 32.7 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 5.322 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

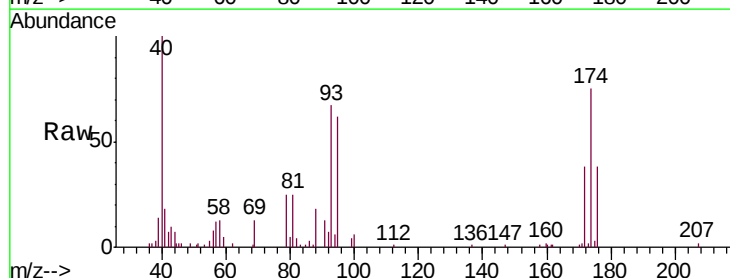
Tgt Ion: 93 Resp: 9247

Ion Ratio Lower Upper

93 100

95 84.9 66.9 100.3

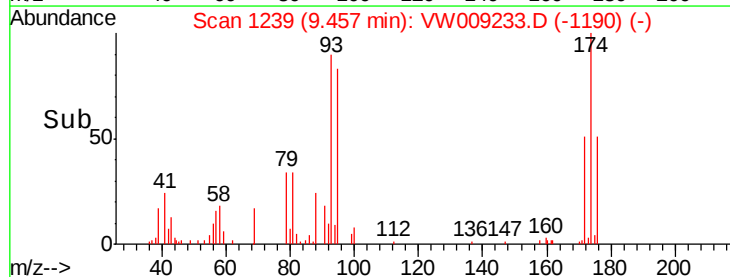
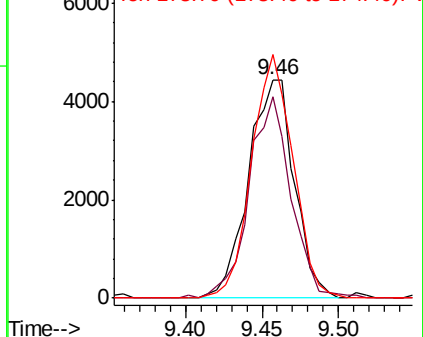
174 101.3 80.8 121.2

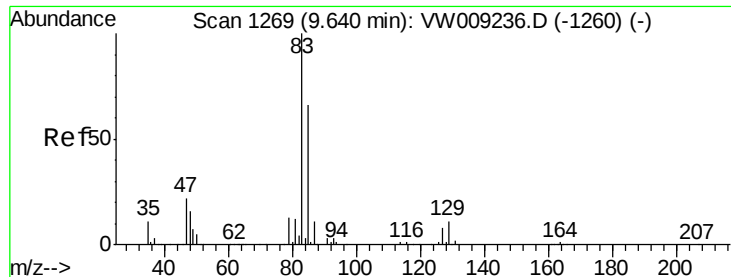


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

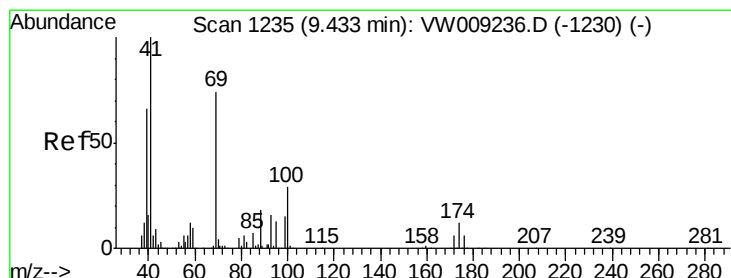
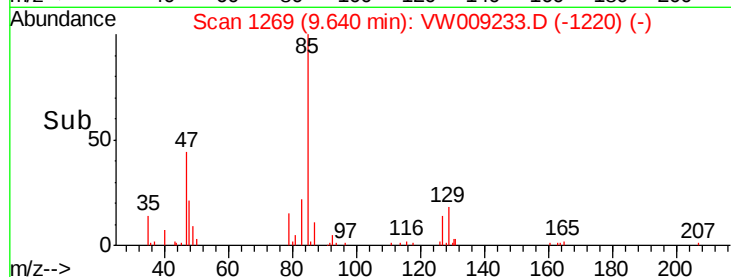
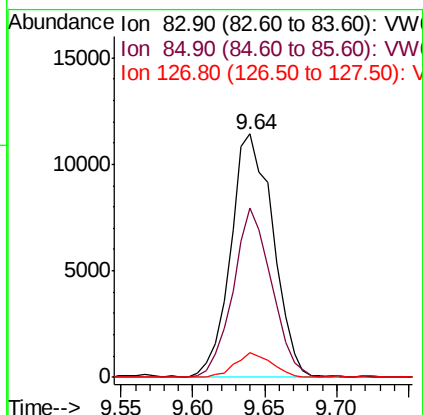
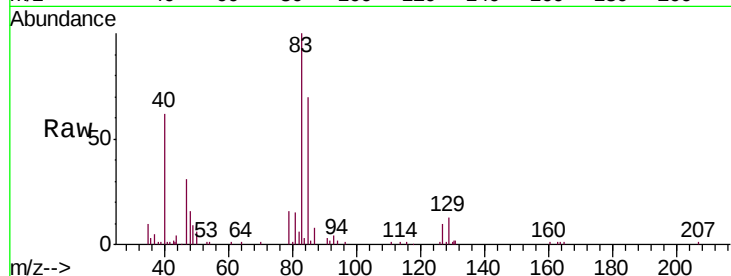




#47
 Bromodichloromethane
 Concen: 5.308 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

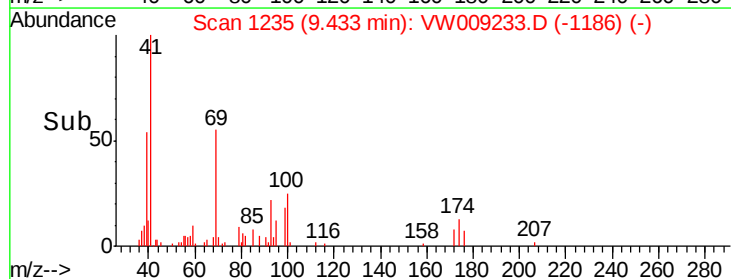
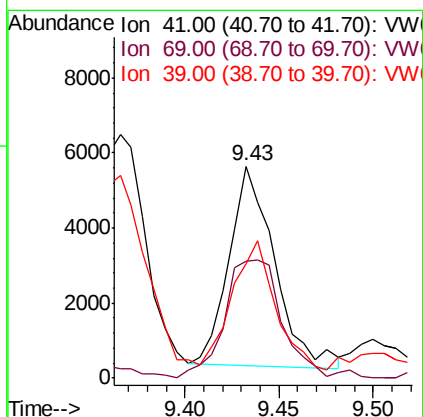
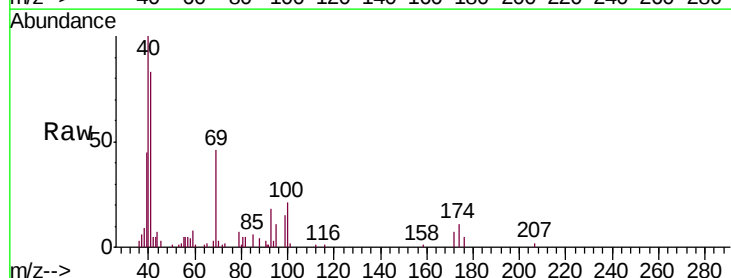
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

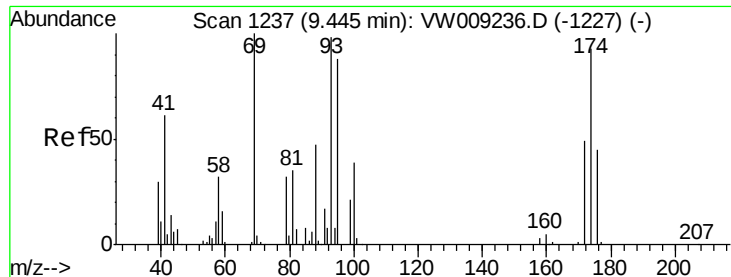
Tgt Ion: 83 Resp: 23309
 Ion Ratio Lower Upper
 83 100
 85 69.7 52.6 79.0
 127 10.0 6.5 9.7#



#48
 Methyl methacrylate
 Concen: 4.608 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion: 41 Resp: 8936
 Ion Ratio Lower Upper
 41 100
 69 74.3 63.0 94.6
 39 62.4 57.2 85.8





#49

1,4-Dioxane

Concen: 89.273 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

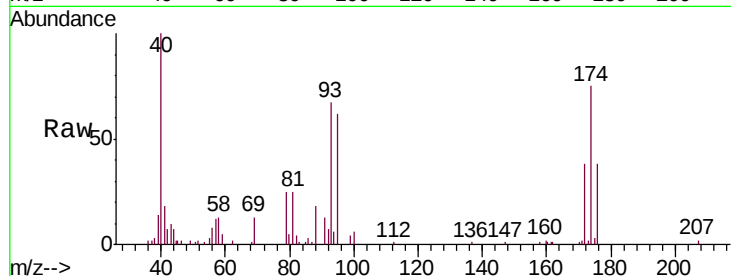
Tgt Ion: 88 Resp: 2406

Ion Ratio Lower Upper

88 100

43 0.0 29.7 44.5#

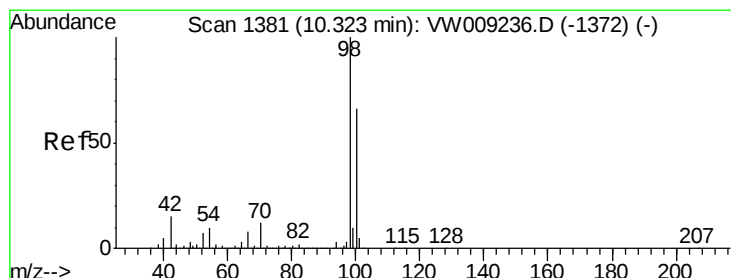
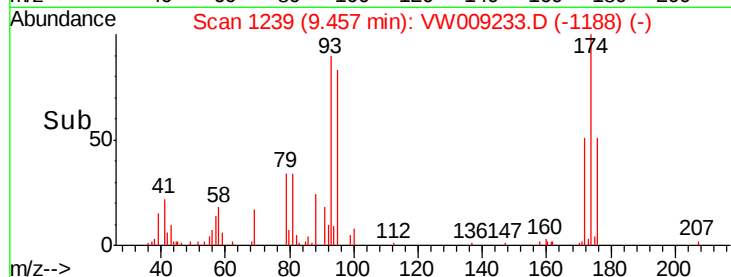
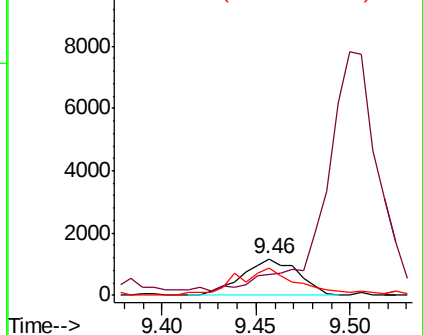
58 86.2 58.1 87.1



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: 4.832 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009233.D

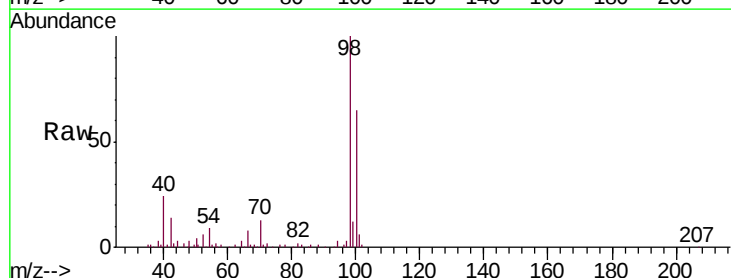
Acq: 19 Mar 2019 10:57

Tgt Ion: 98 Resp: 51314

Ion Ratio Lower Upper

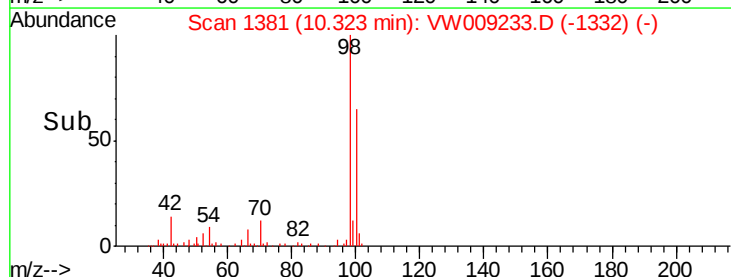
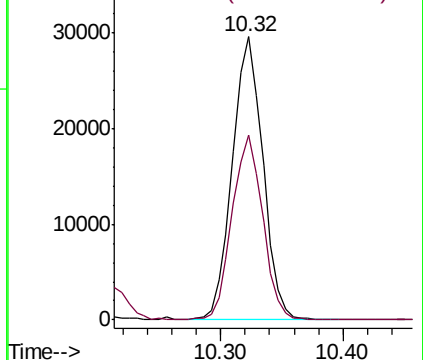
98 100

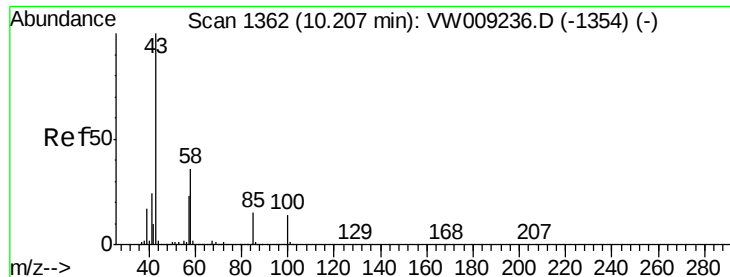
100 65.0 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

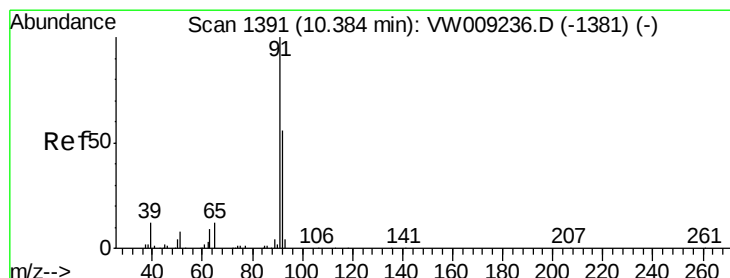
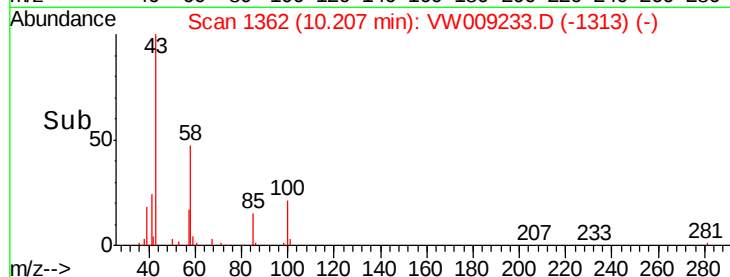
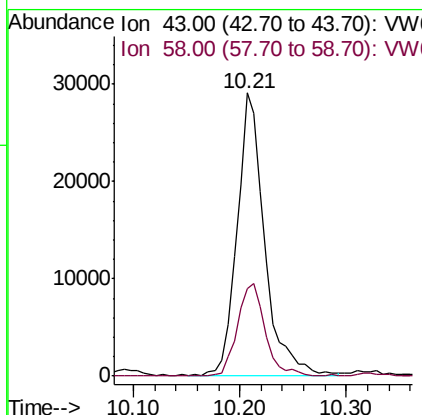
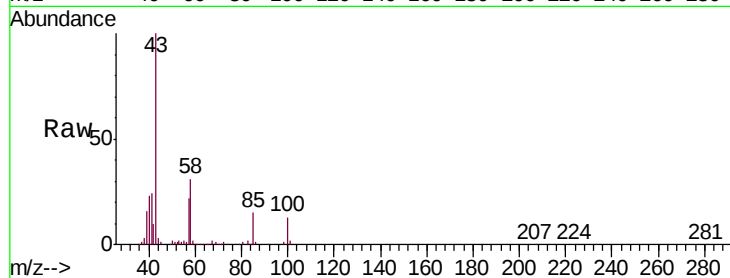




#51
 4-Methyl-2-Pentanone
 Concen: 24.028 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

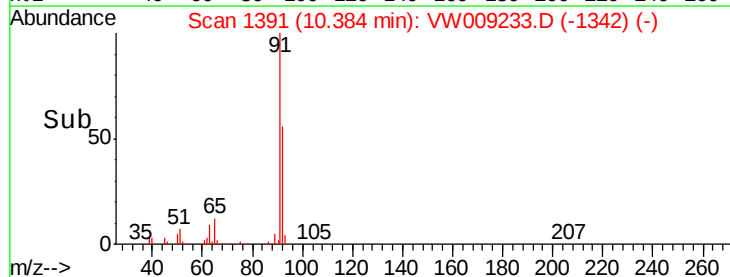
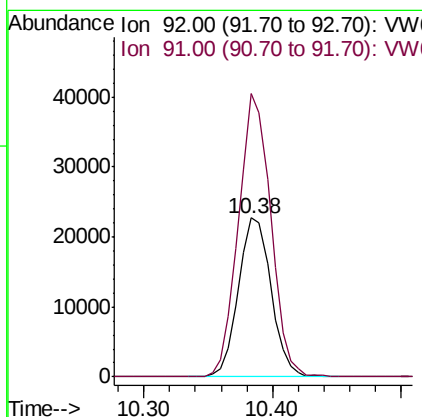
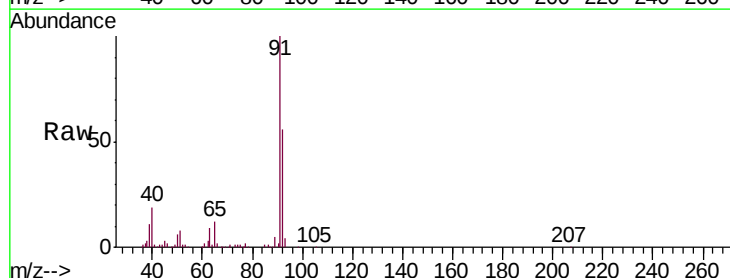
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

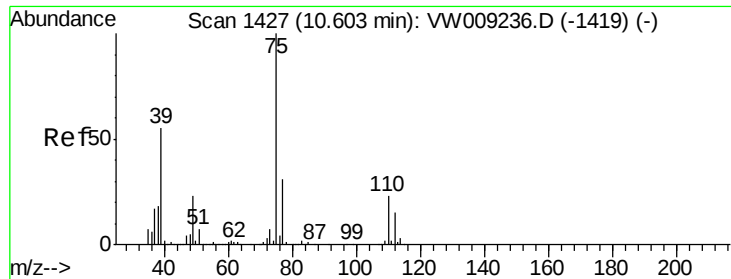
Tgt Ion: 43 Resp: 52447
 Ion Ratio Lower Upper
 43 100
 58 33.5 28.6 42.8



#52
 Toluene
 Concen: 5.087 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion: 92 Resp: 40063
 Ion Ratio Lower Upper
 92 100
 91 176.2 140.1 210.1

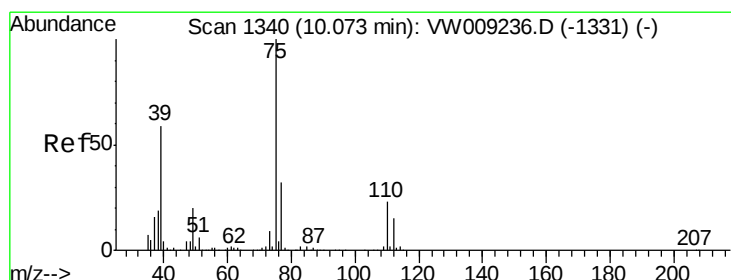
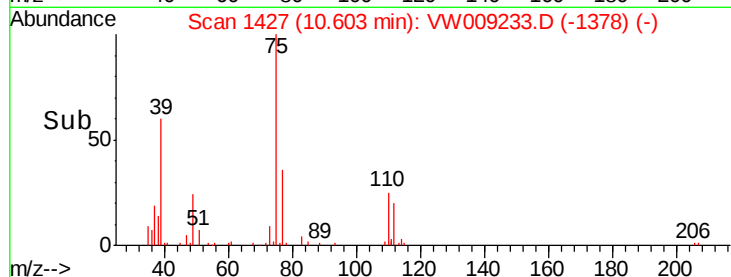
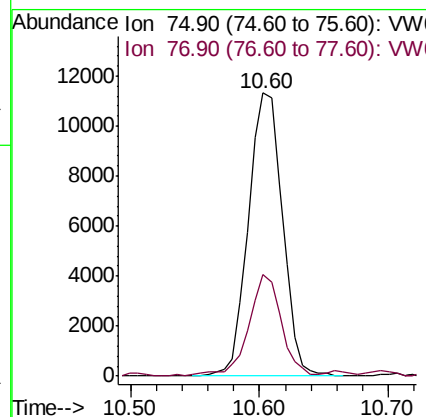
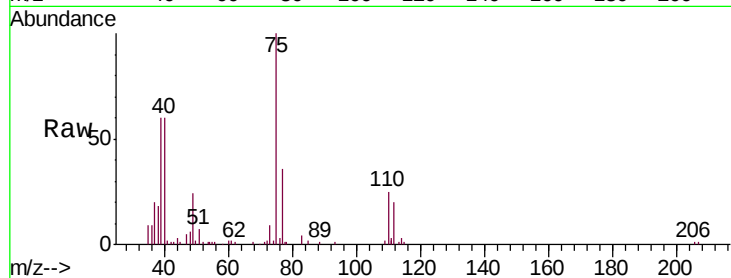




#53
 t-1,3-Dichloropropene
 Concen: 4.824 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

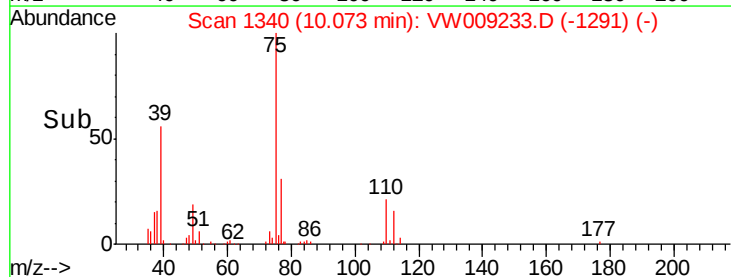
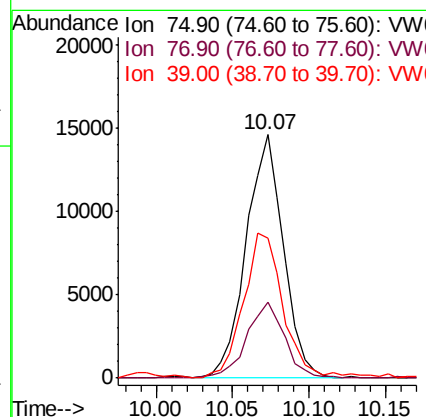
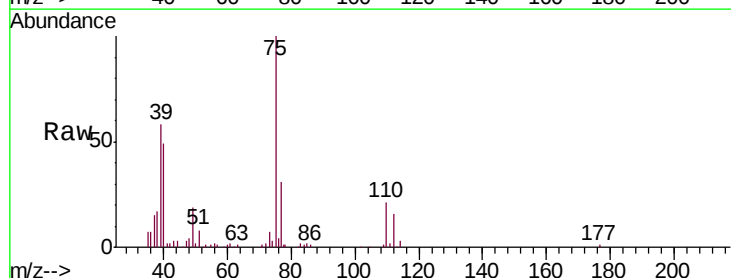
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

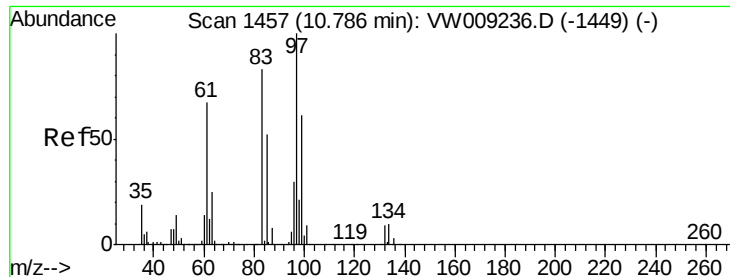
Tgt Ion: 75 Resp: 20657
 Ion Ratio Lower Upper
 75 100
 77 35.5 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 5.136 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion: 75 Resp: 24743
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.9 38.9
 39 57.6 46.8 70.2





#55

1,1,2-Trichloroethane

Concen: 5.458 ug/l

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 12841

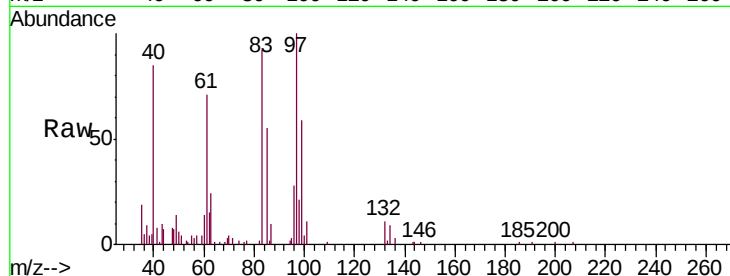
Ion Ratio Lower Upper

97 100

83 92.3 66.3 99.5

85 54.7 41.4 62.2

99 58.5 48.7 73.1

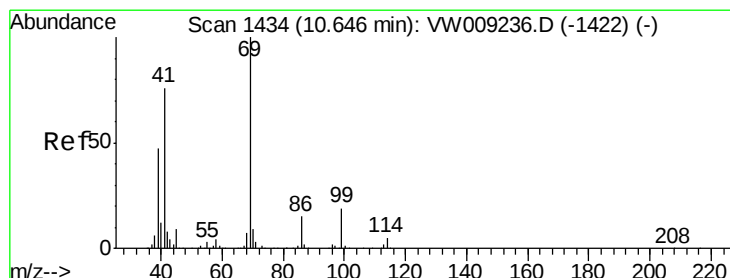
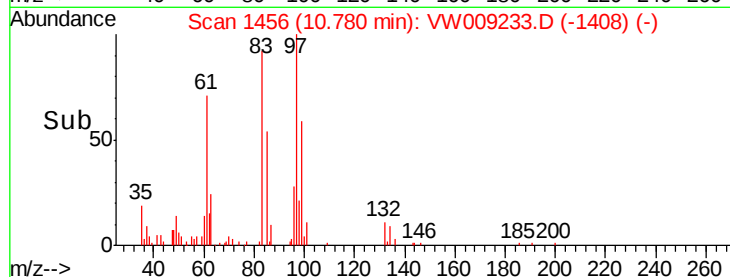
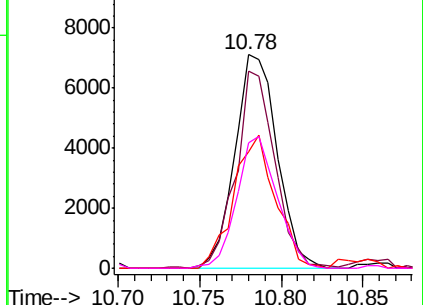


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 4.244 ug/l

RT: 10.64 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

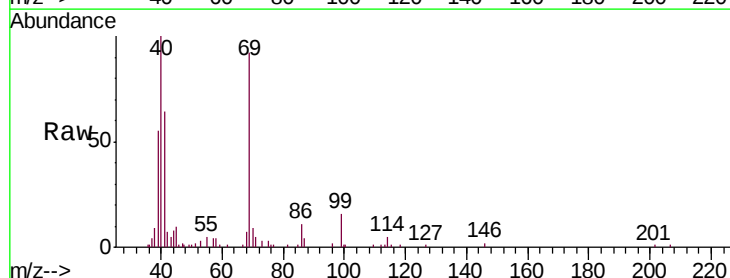
Tgt Ion: 69 Resp: 11889

Ion Ratio Lower Upper

69 100

41 78.1 59.3 88.9

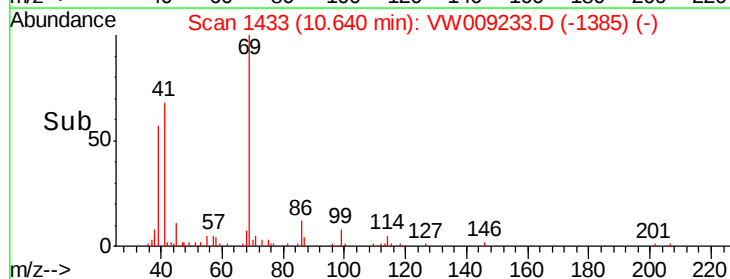
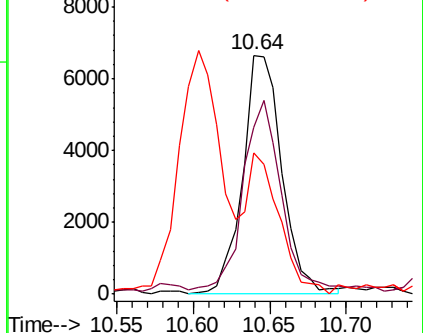
39 50.6 36.2 54.2

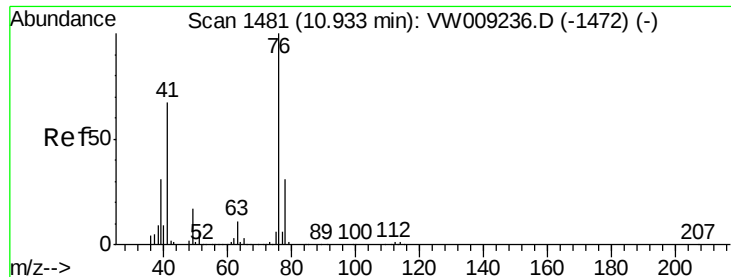


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 5.260 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

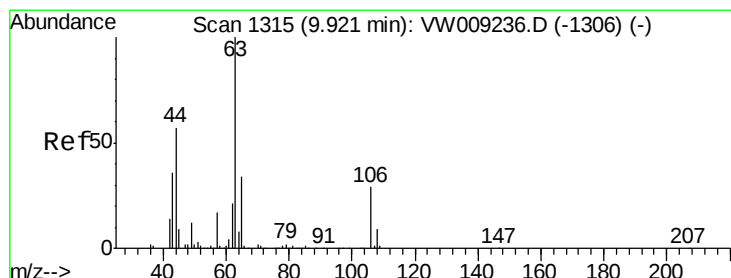
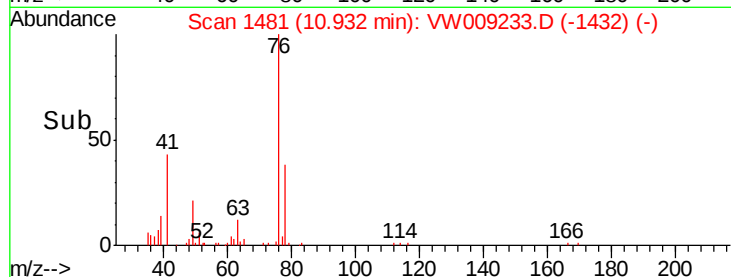
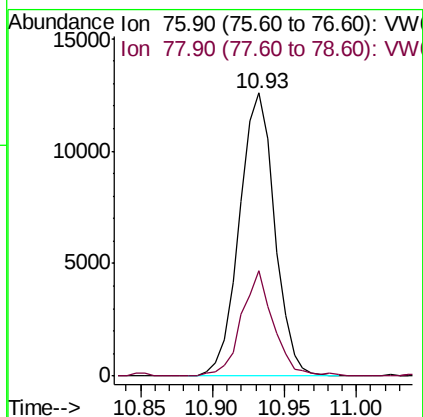
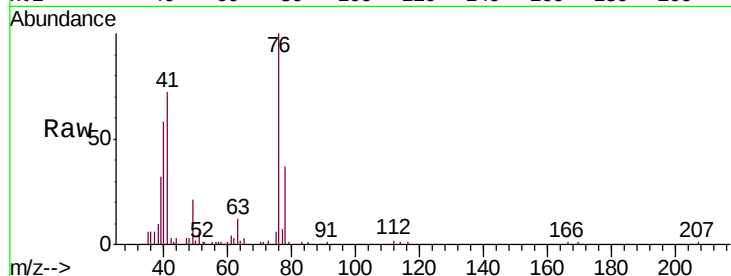
VSTDIC005

Tgt Ion: 76 Resp: 21345

Ion Ratio Lower Upper

76 100

78 34.0 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 41.333 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW009233.D

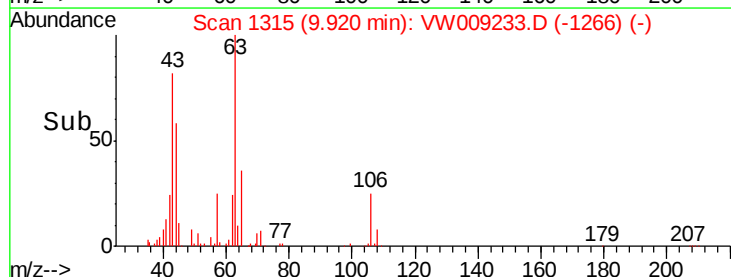
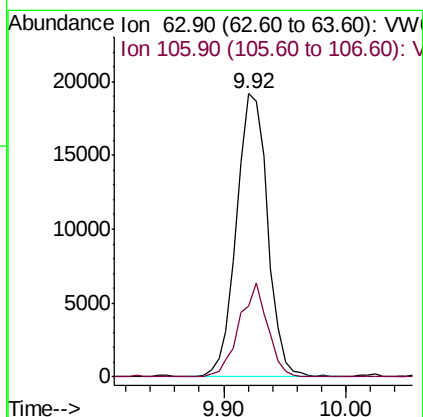
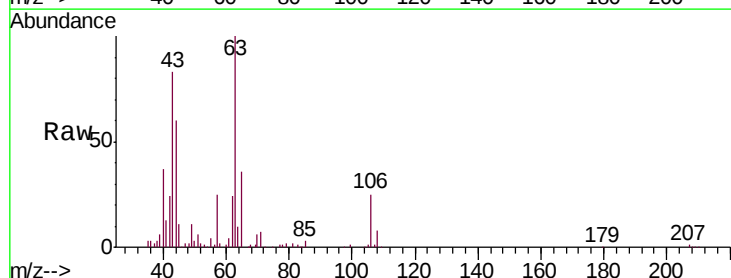
Acq: 19 Mar 2019 10:57

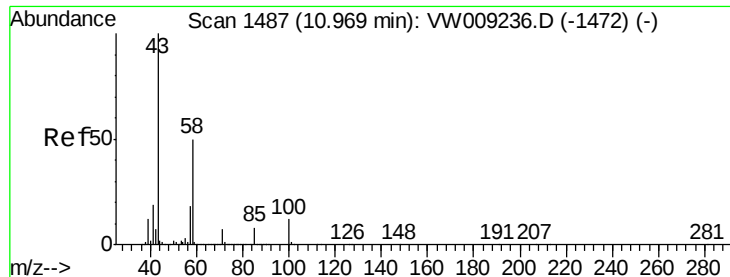
Tgt Ion: 63 Resp: 33883

Ion Ratio Lower Upper

63 100

106 30.4 22.9 34.3





#59

2-Hexanone

Concen: 21.936 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

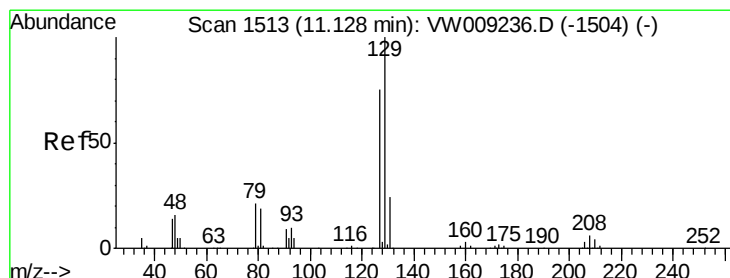
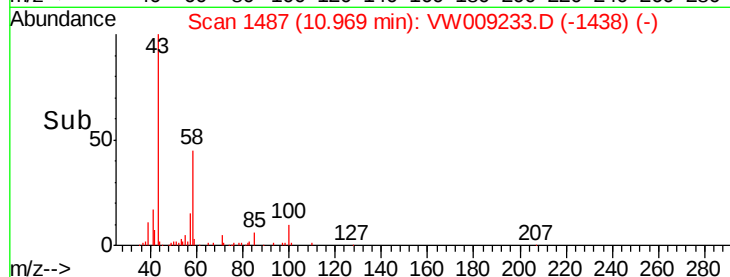
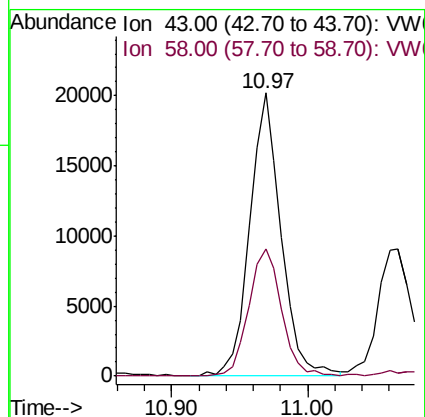
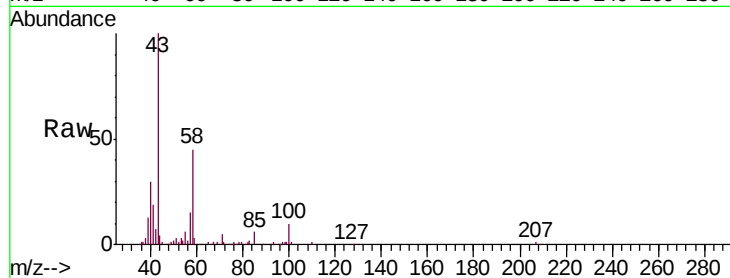
VSTDIC005

Tgt Ion: 43 Resp: 32507

Ion Ratio Lower Upper

43 100

58 47.4 24.2 72.6



#60

Dibromochloromethane

Concen: 5.184 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009233.D

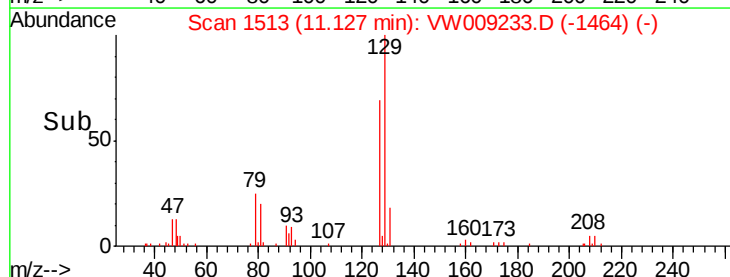
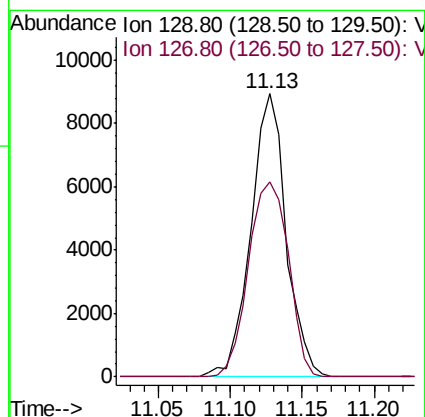
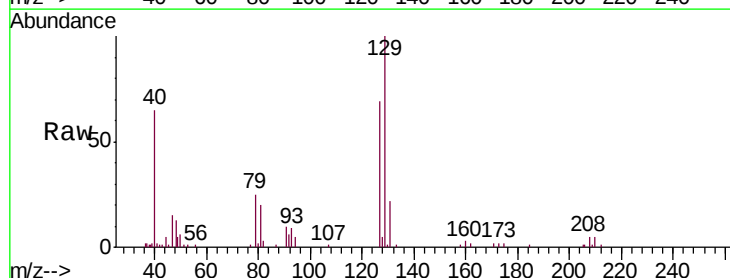
Acq: 19 Mar 2019 10:57

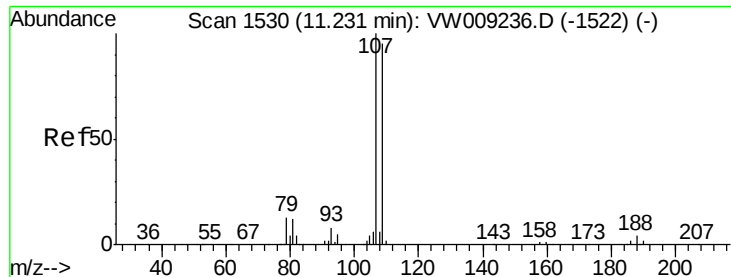
Tgt Ion: 129 Resp: 15069

Ion Ratio Lower Upper

129 100

127 78.6 38.1 114.5

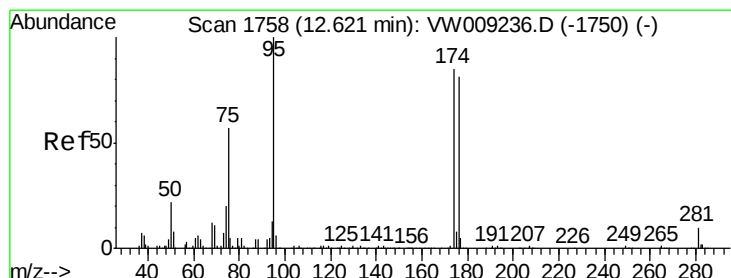
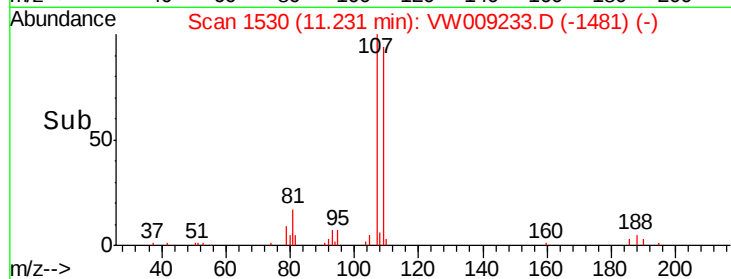
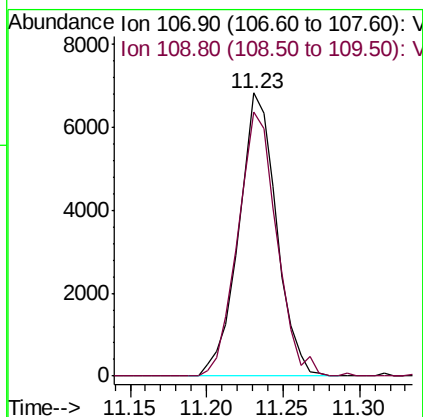
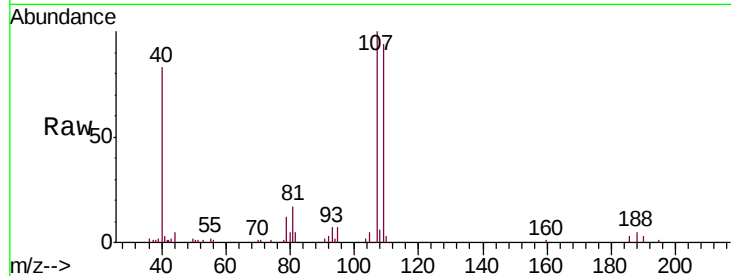




#61
 1,2-Dibromoethane
 Concen: 5.205 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

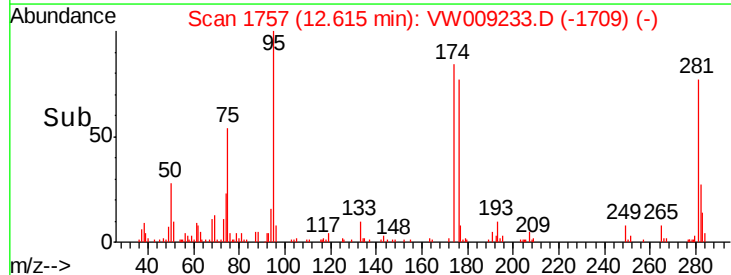
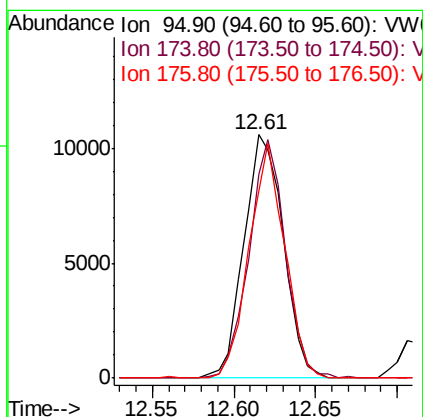
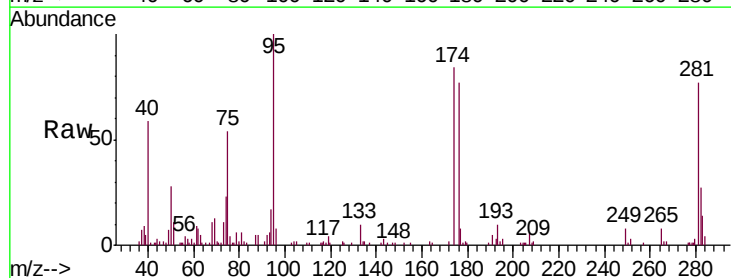
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

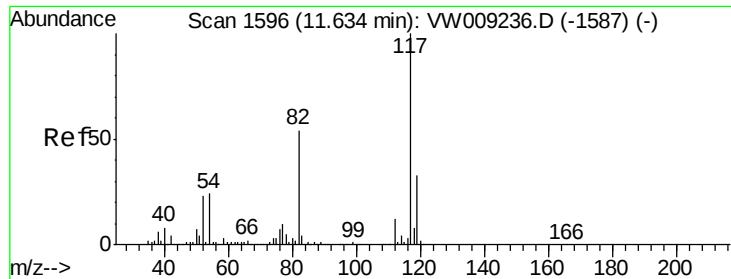
Tgt Ion: 107 Resp: 11664
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 4.563 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion: 95 Resp: 17789
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 168.4
 176 87.3 0.0 161.6

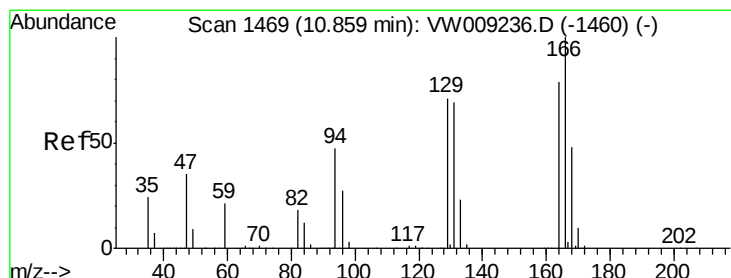
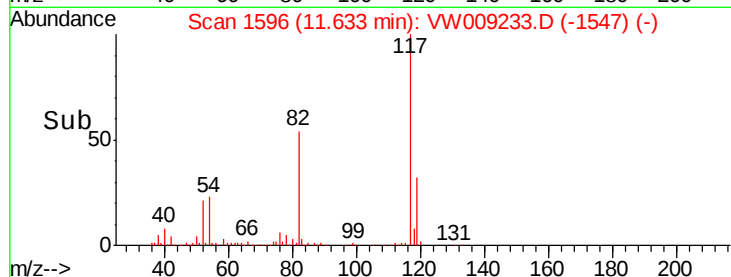
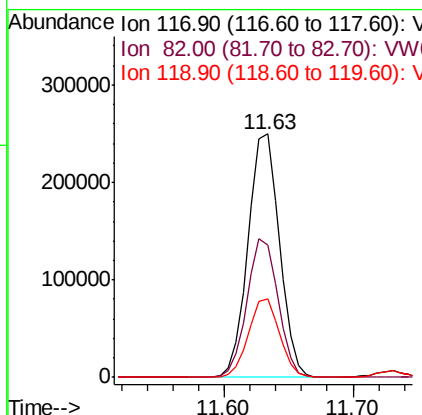
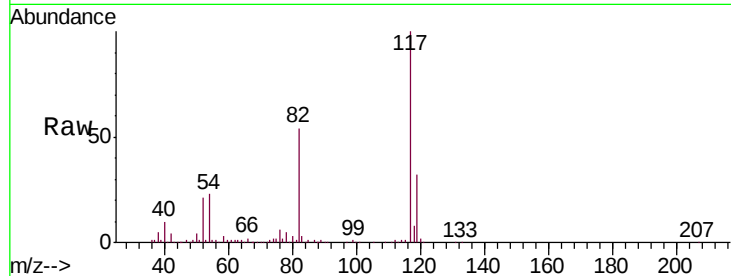




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

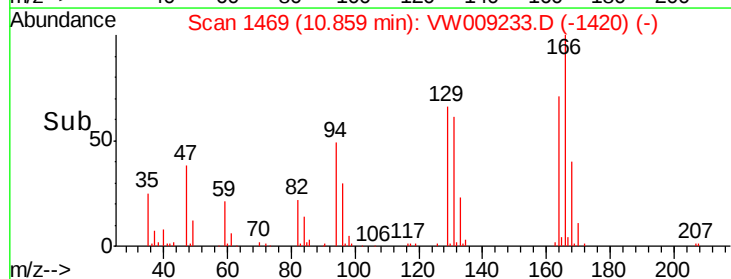
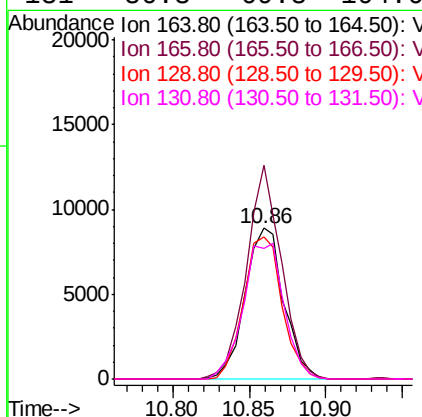
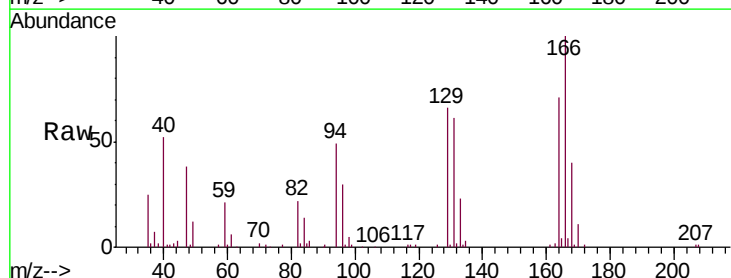
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

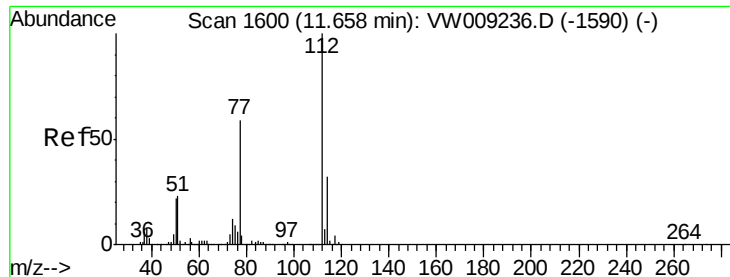
Tgt Ion:117 Resp: 420183
Ion Ratio Lower Upper
117 100
82 54.3 43.6 65.4
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 5.455 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion:164 Resp: 15696
Ion Ratio Lower Upper
164 100
166 141.7 100.9 151.3
129 94.2 72.0 108.0
131 86.3 69.8 104.6

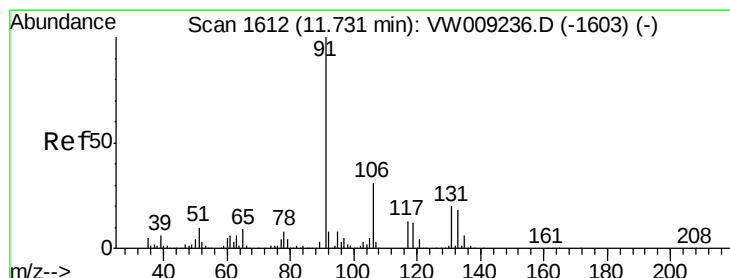
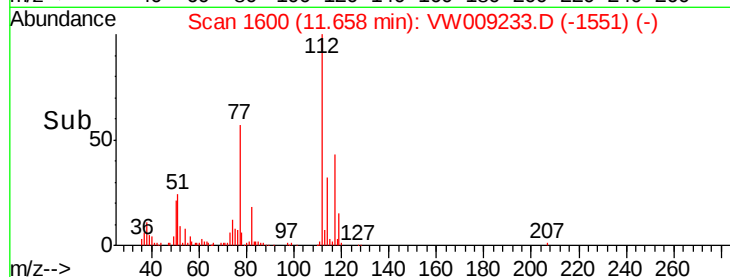
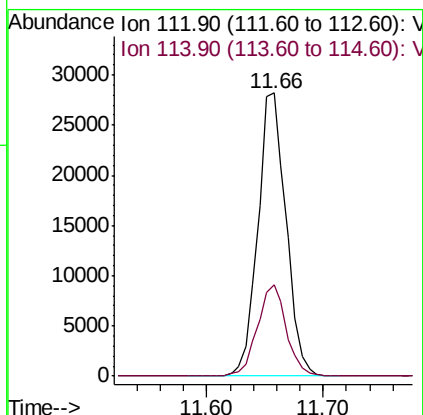
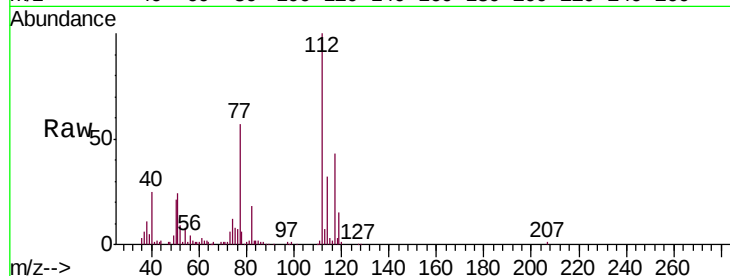




#65
Chlorobenzene
Concen: 5.477 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

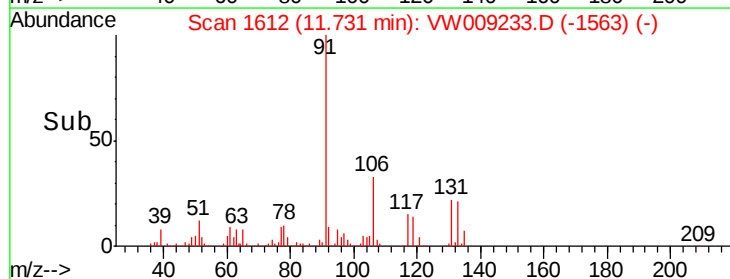
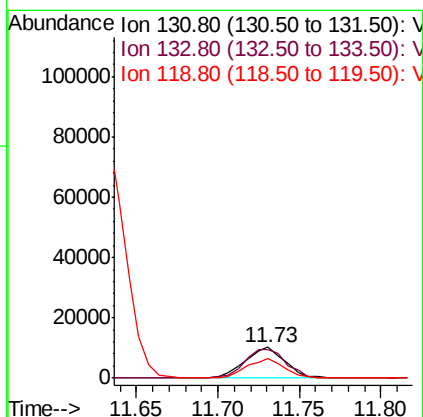
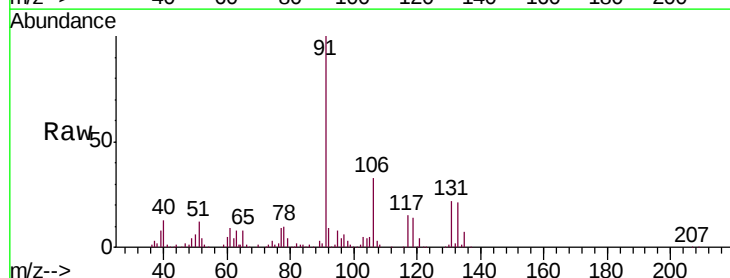
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

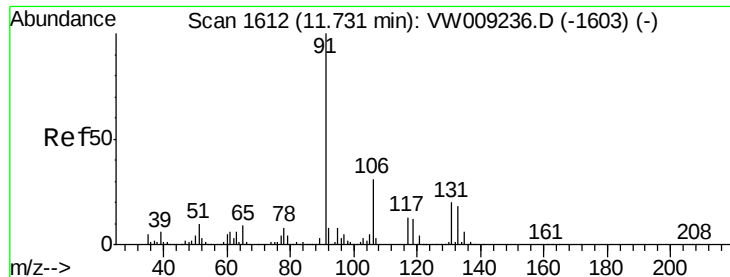
Tgt Ion:112 Resp: 47593
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 5.275 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion:131 Resp: 17123
Ion Ratio Lower Upper
131 100
133 100.3 47.3 141.8
119 62.6 31.6 95.0

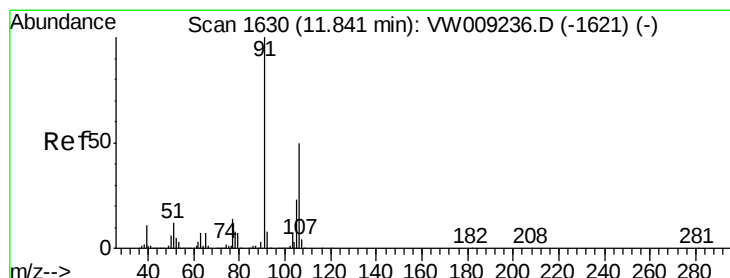
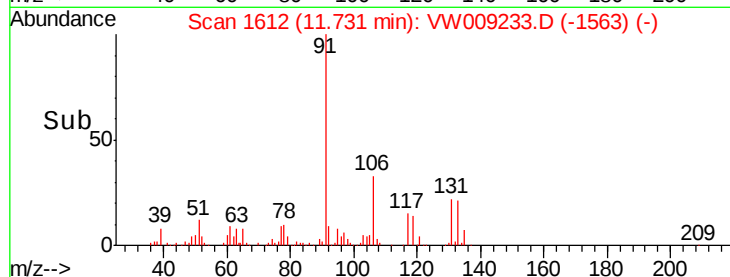
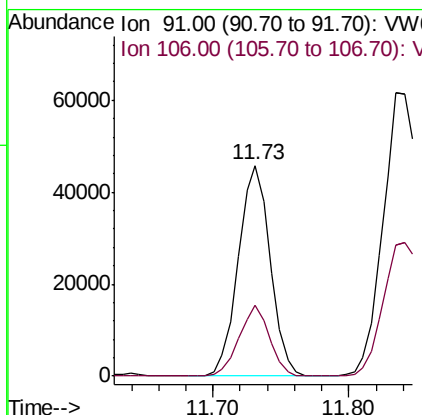
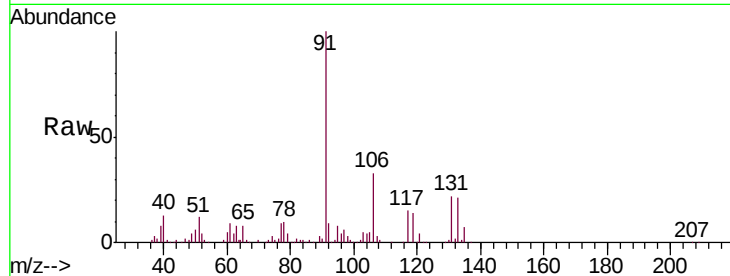




#67
Ethyl Benzene
Concen: 4.978 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

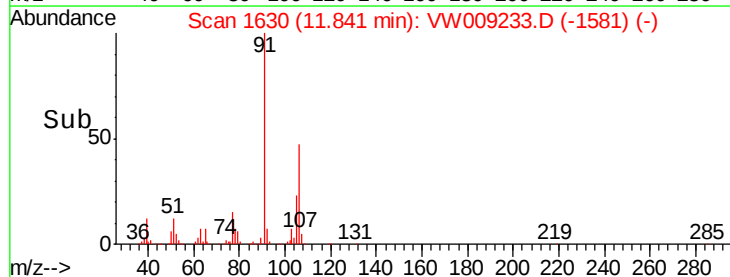
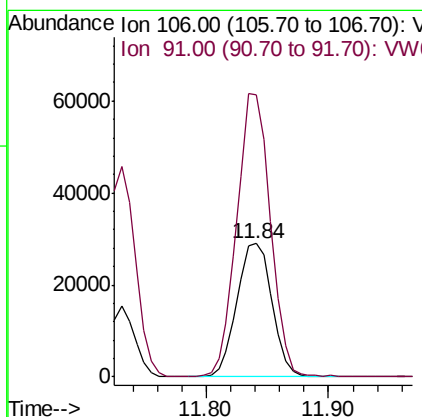
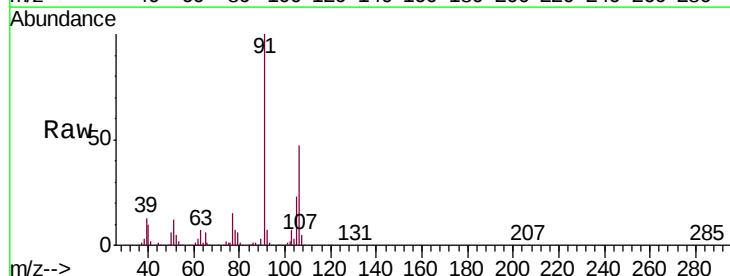
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

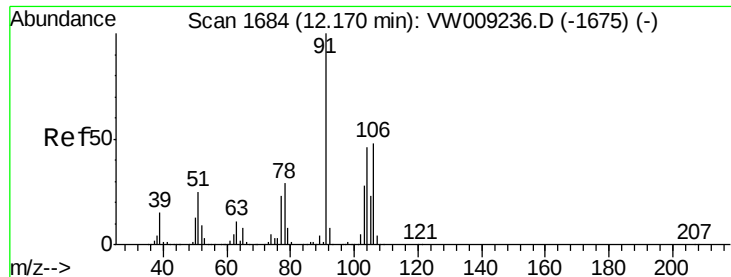
Tgt Ion: 91 Resp: 74928
Ion Ratio Lower Upper
91 100
106 33.4 24.6 36.8



#68
m/p-Xylenes
Concen: 9.904 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion: 106 Resp: 57782
Ion Ratio Lower Upper
106 100
91 204.0 163.1 244.7

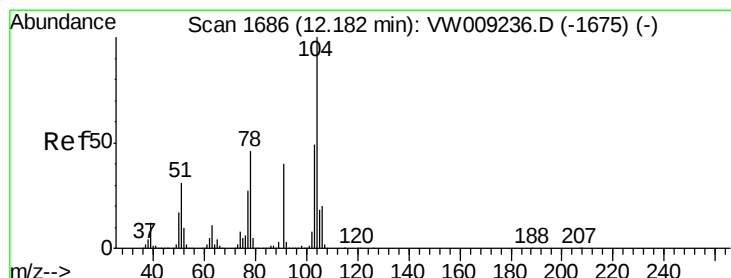
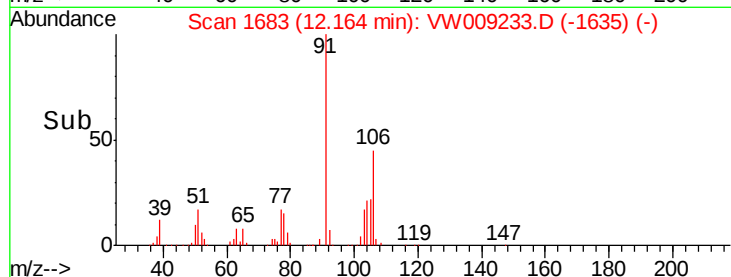
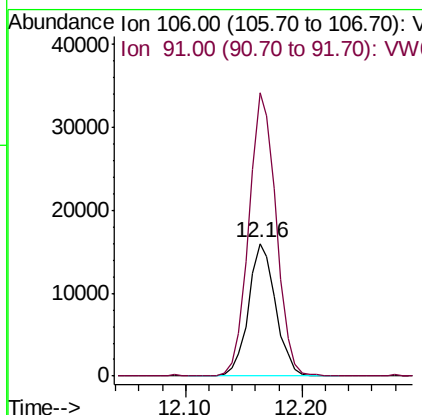
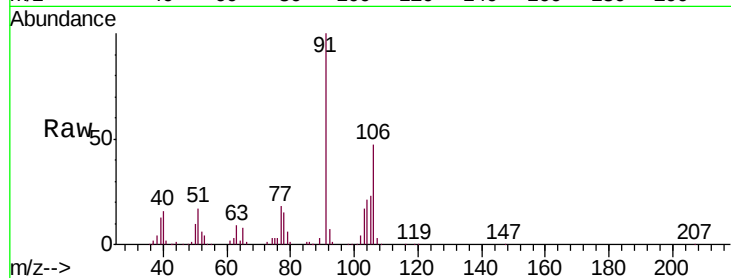




#69
o-Xylene
Concen: 4.816 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

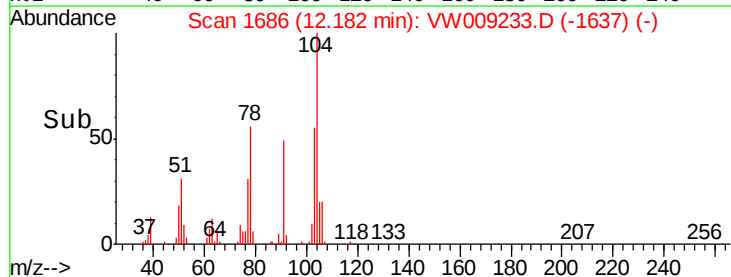
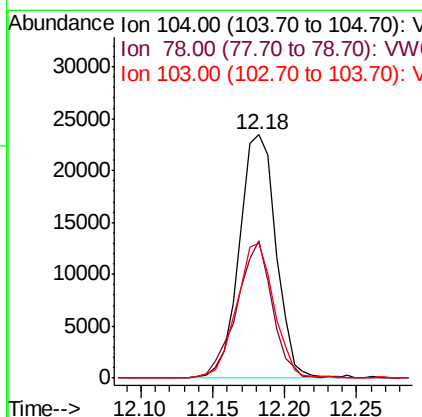
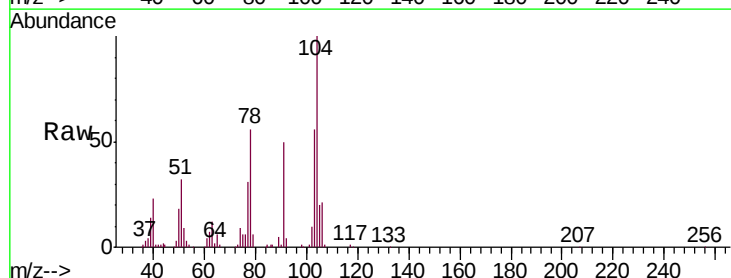
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

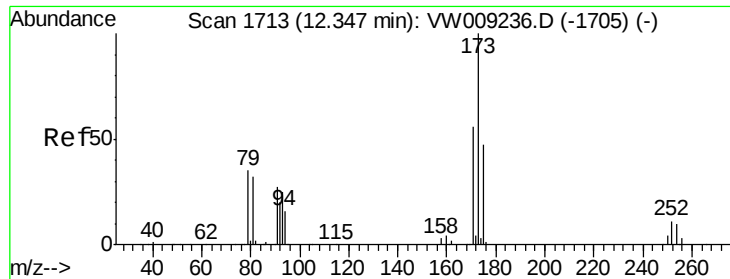
Tgt Ion:106 Resp: 26093
Ion Ratio Lower Upper
106 100
91 214.5 108.6 325.8



#70
Styrene
Concen: 4.625 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion:104 Resp: 41309
Ion Ratio Lower Upper
104 100
78 55.0 42.2 63.4
103 57.2 44.6 66.8

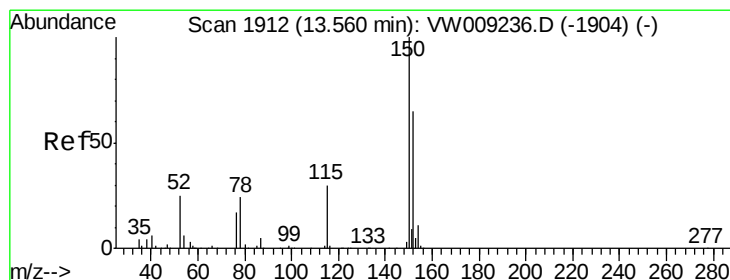
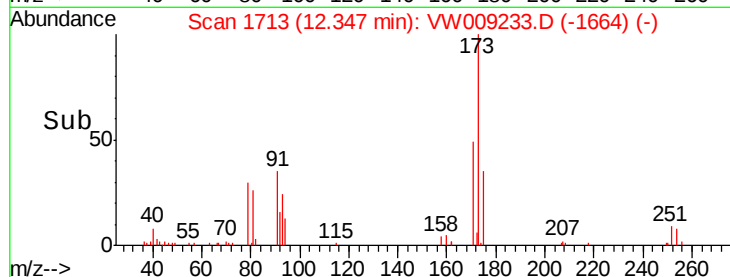
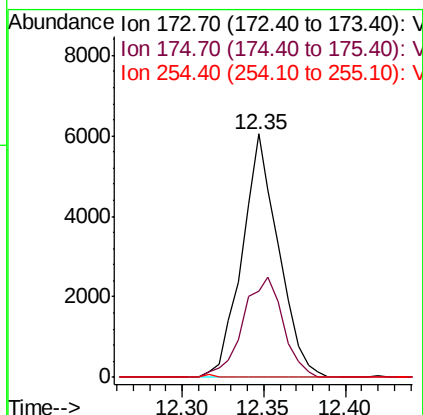
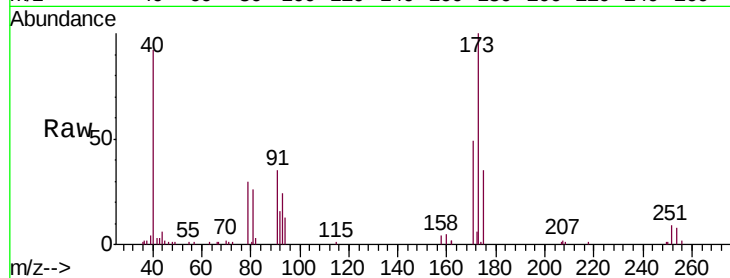




#71
Bromoform
Concen: 5.306 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

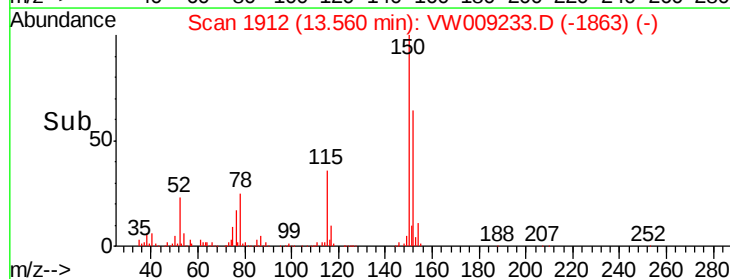
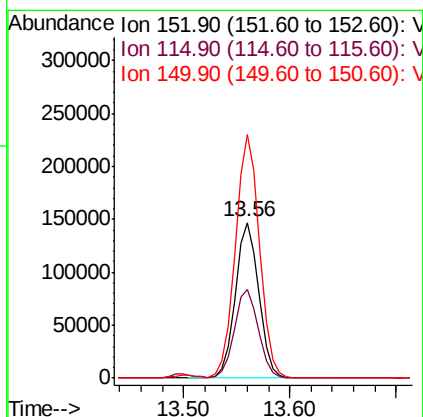
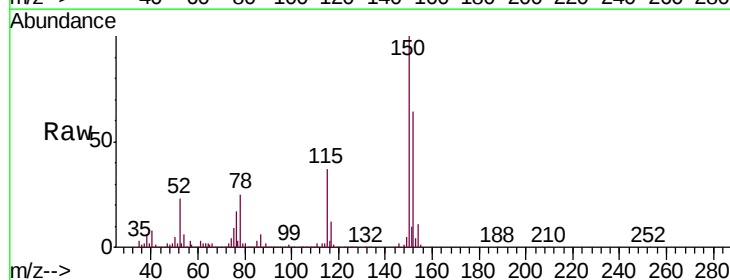
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

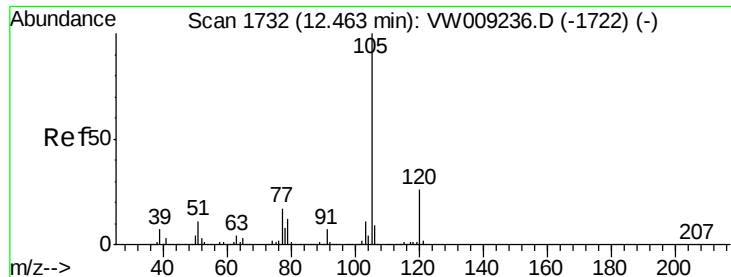
Tgt Ion:173 Resp: 9408
Ion Ratio Lower Upper
173 100
175 45.2 24.1 72.4
254 0.0 0.2 0.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion:152 Resp: 227193
Ion Ratio Lower Upper
152 100
115 58.1 29.6 88.8
150 160.2 0.0 349.2





#73

Isopropylbenzene

Concen: 4.675 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

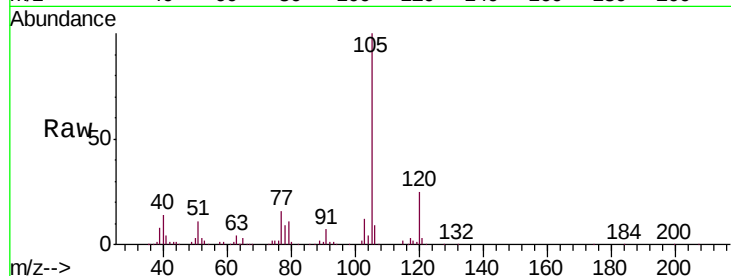
VSTDIC005

Tgt Ion:105 Resp: 70987

Ion Ratio Lower Upper

105 100

120 26.7 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

50000

40000

30000

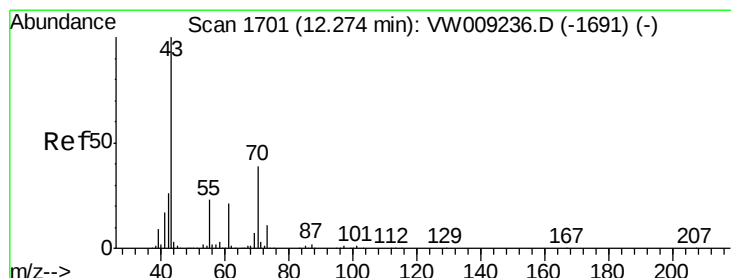
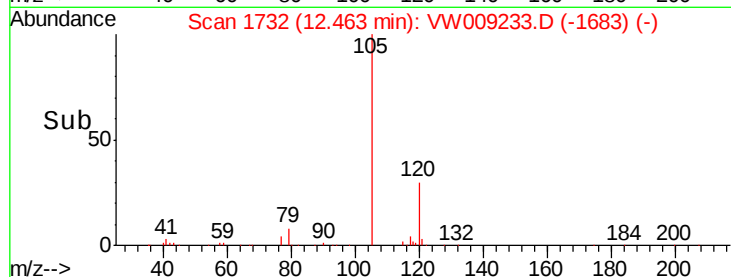
20000

10000

0

Time-->

12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 4.229 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Tgt Ion: 43 Resp: 16750

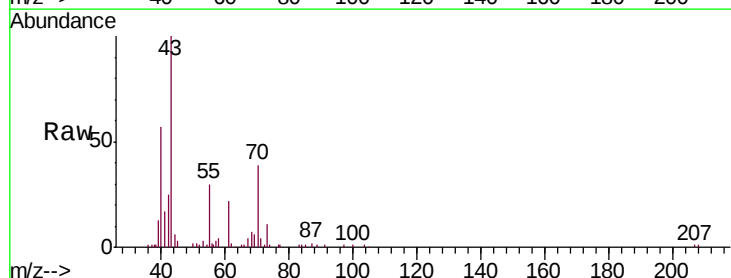
Ion Ratio Lower Upper

43 100

70 39.9 30.6 46.0

55 27.3 19.3 28.9

61 21.0 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

15000

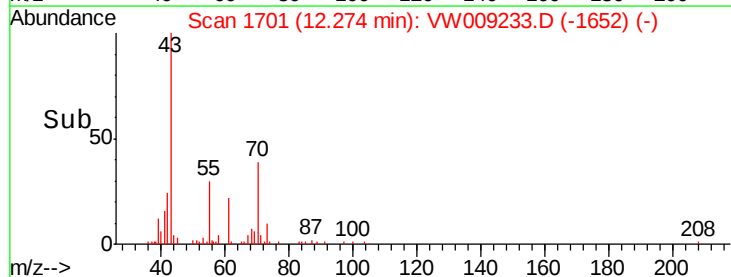
10000

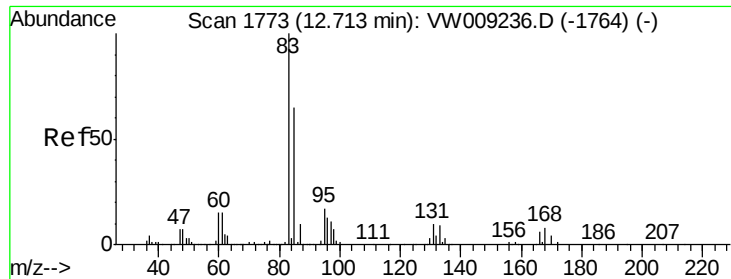
5000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 5.280 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

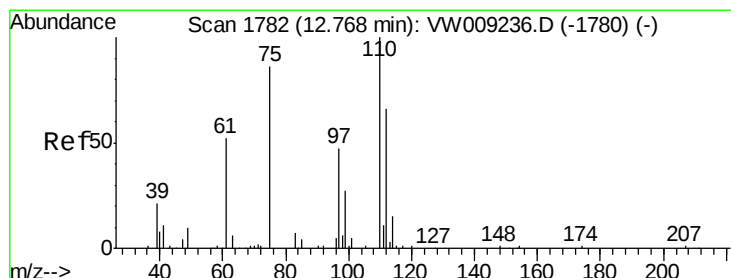
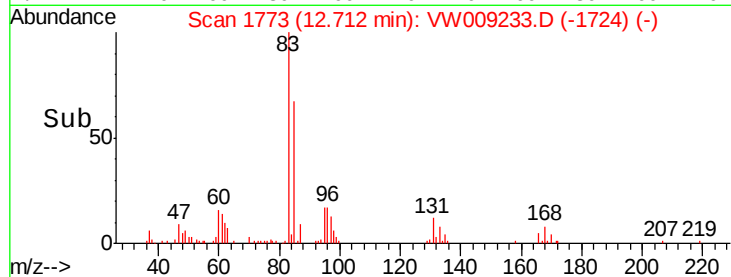
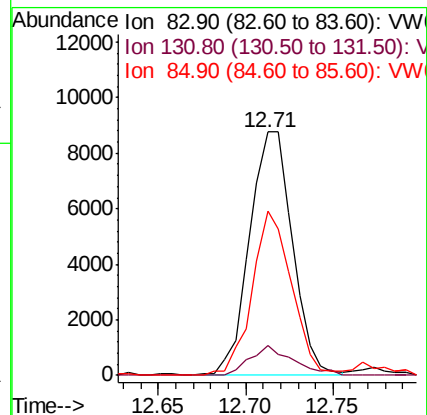
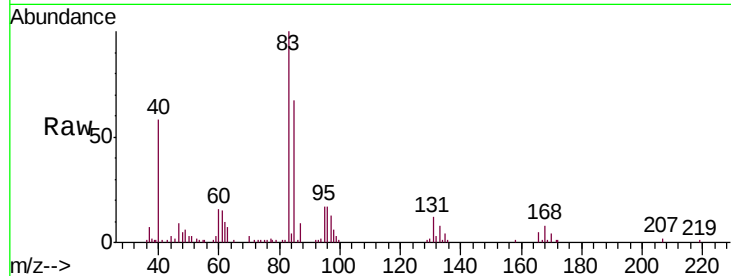
Tgt Ion: 83 Resp: 14998

Ion Ratio Lower Upper

83 100

131 12.3 5.3 16.1

85 61.6 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 8.467 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009233.D

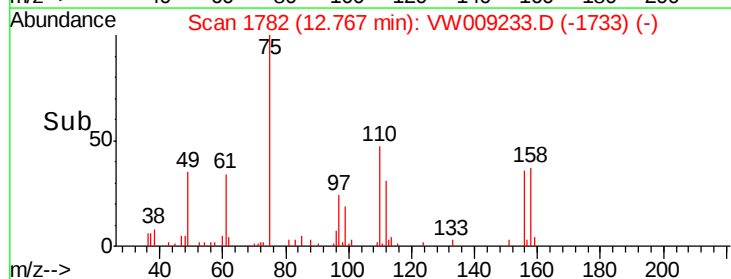
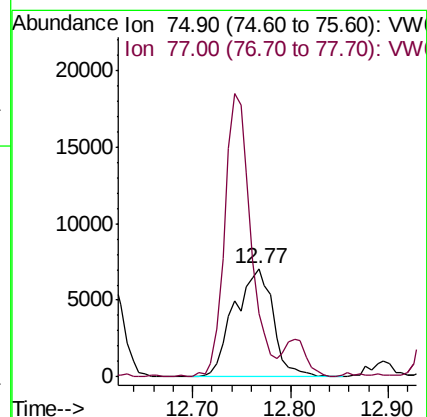
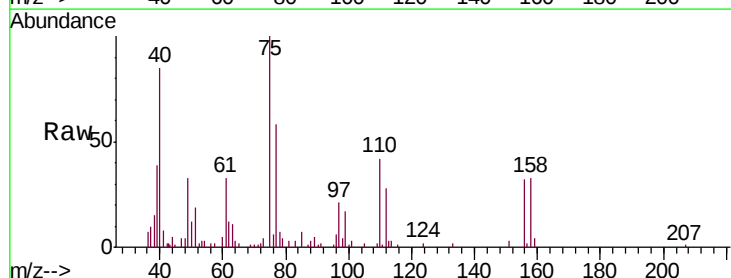
Acq: 19 Mar 2019 10:57

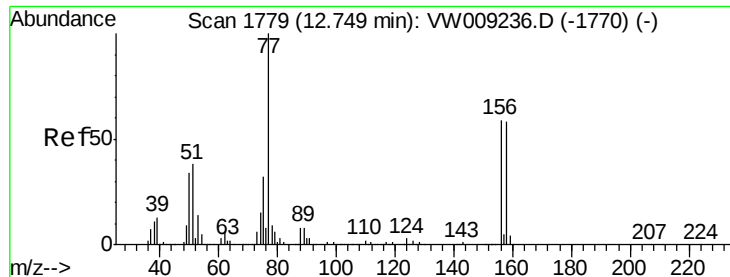
Tgt Ion: 75 Resp: 19449

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 5.237 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

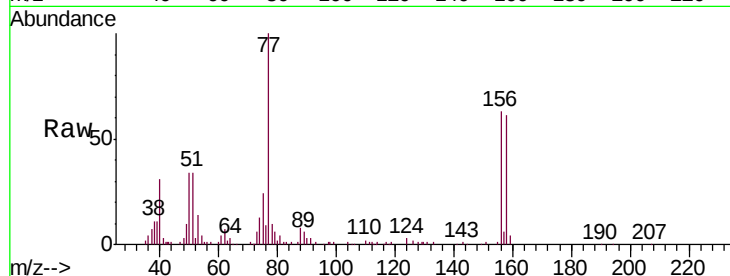
Tgt Ion:156 Resp: 18838

Ion Ratio Lower Upper

156 100

77 182.1 96.0 288.0

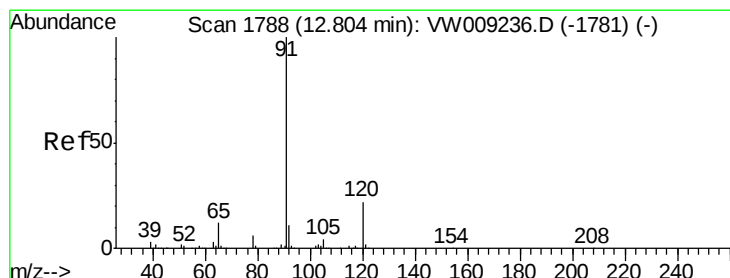
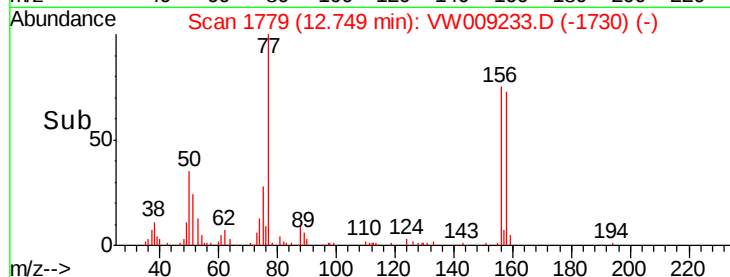
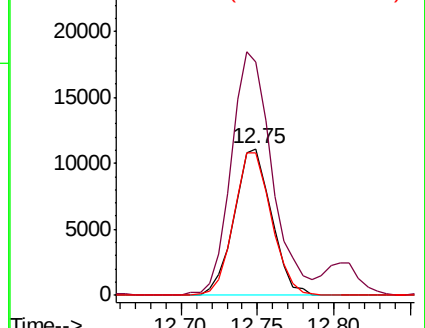
158 97.7 49.1 147.3



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: 4.757 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009233.D

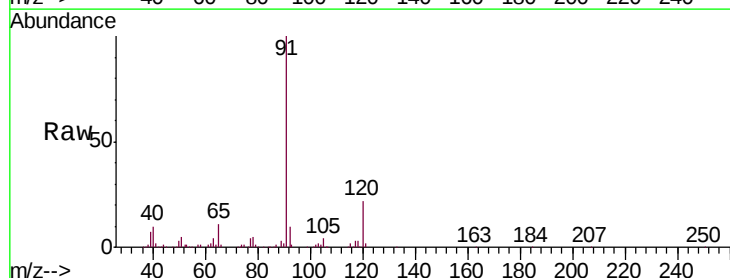
Acq: 19 Mar 2019 10:57

Tgt Ion: 91 Resp: 88721

Ion Ratio Lower Upper

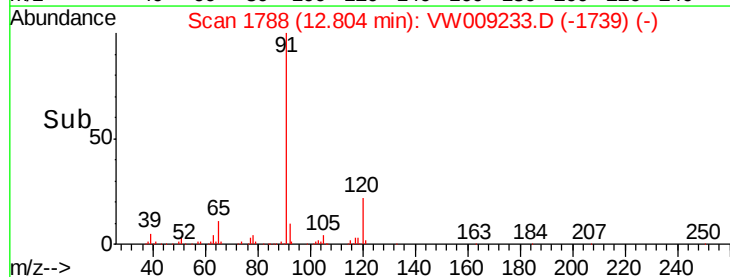
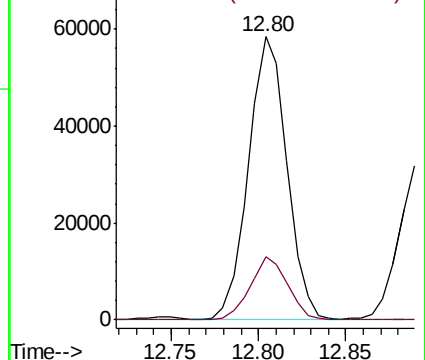
91 100

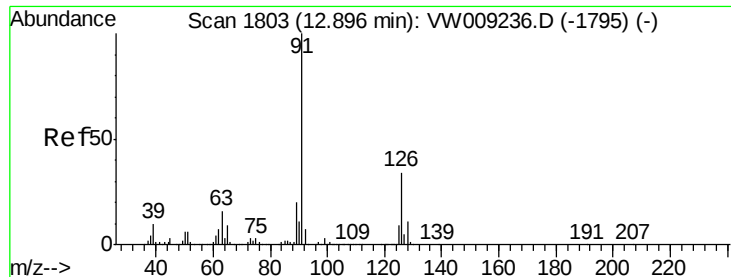
120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.909 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

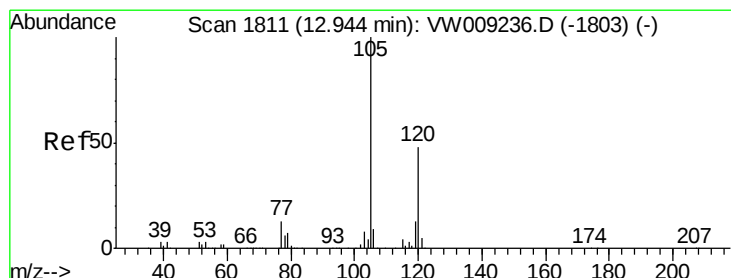
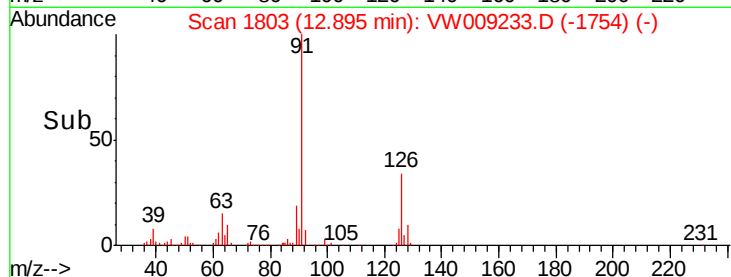
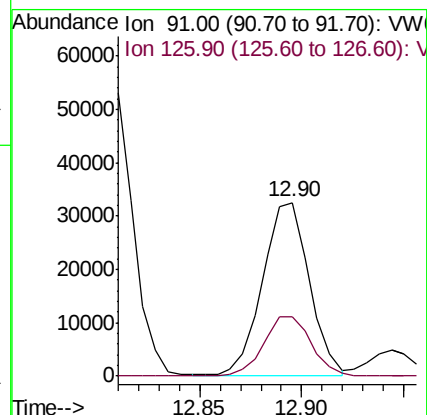
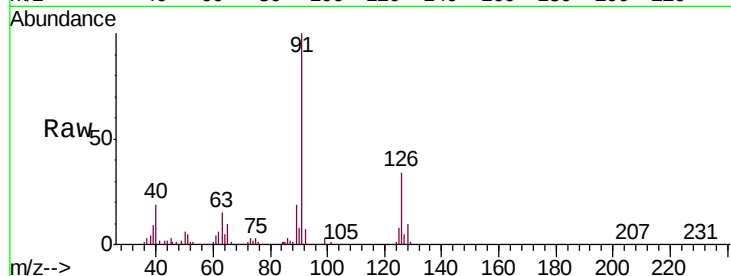
VSTDIC005

Tgt Ion: 91 Resp: 52013

Ion Ratio Lower Upper

91 100

126 35.2 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 4.649 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009233.D

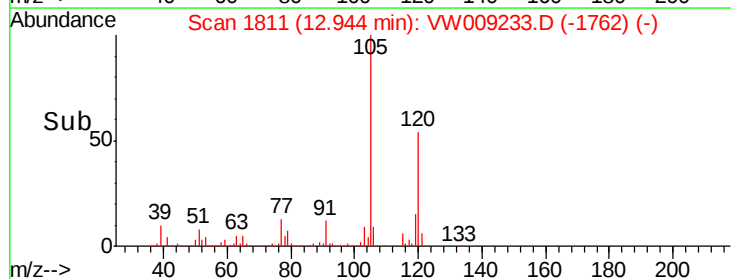
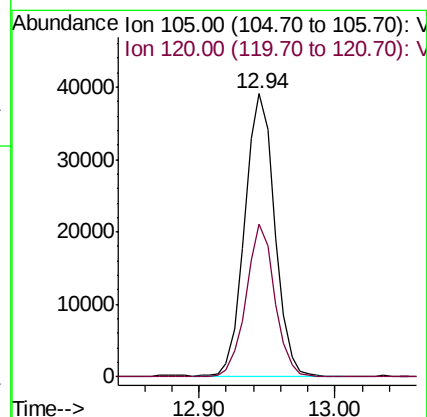
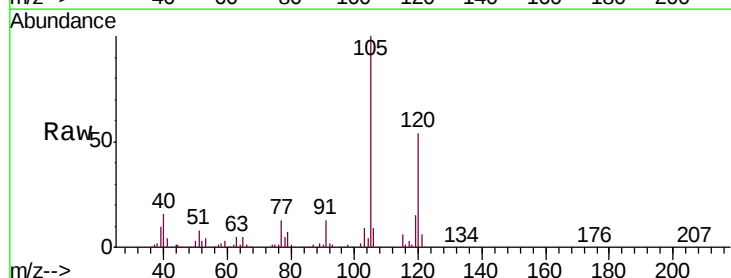
Acq: 19 Mar 2019 10:57

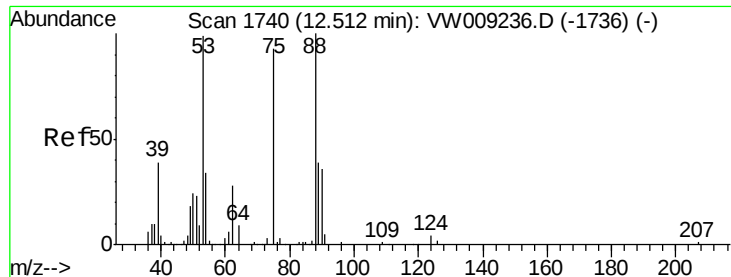
Tgt Ion:105 Resp: 60039

Ion Ratio Lower Upper

105 100

120 51.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.643 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

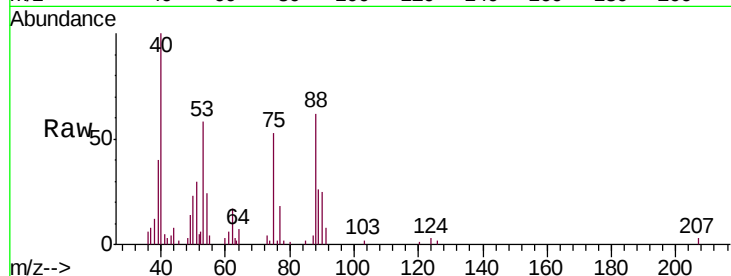
Tgt Ion: 75 Resp: 4040

Ion Ratio Lower Upper

75 100

53 118.8 86.7 130.1

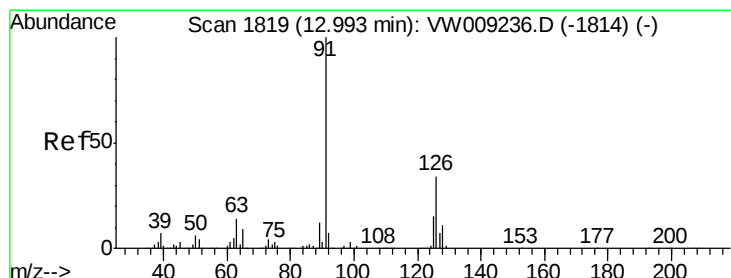
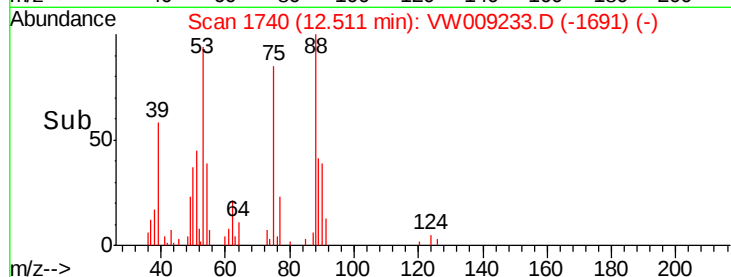
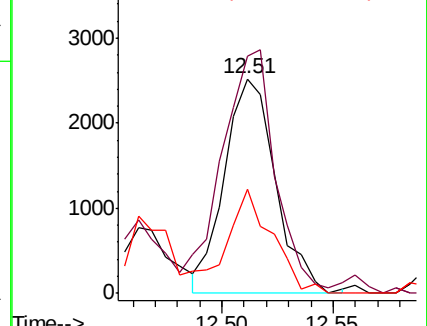
89 42.6 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 4.999 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW009233.D

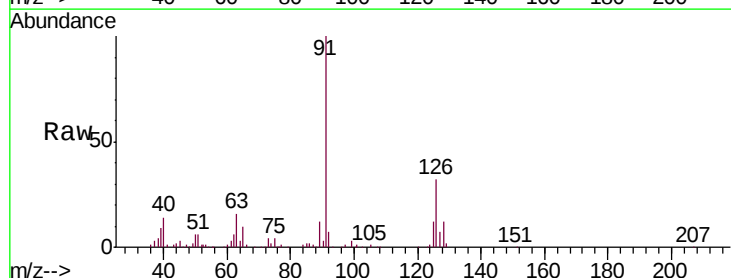
Acq: 19 Mar 2019 10:57

Tgt Ion: 91 Resp: 55799

Ion Ratio Lower Upper

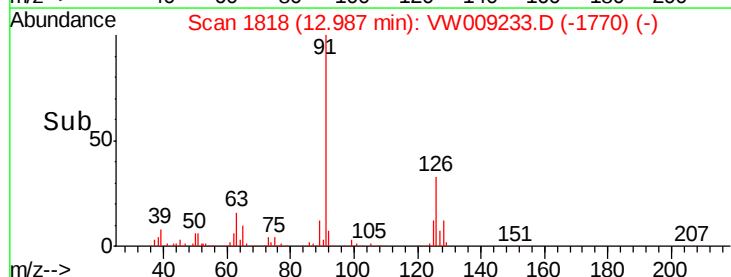
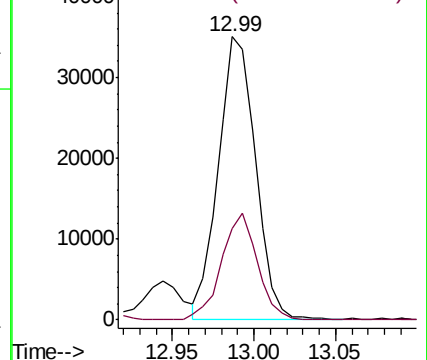
91 100

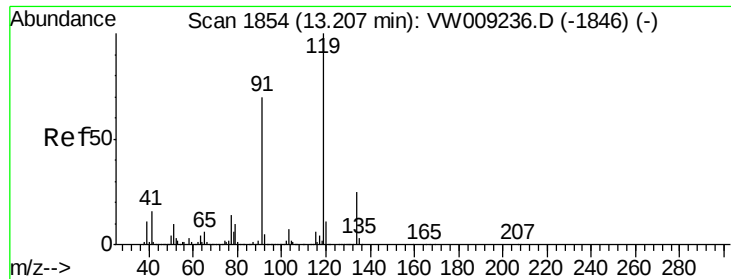
126 36.5 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 4.600 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

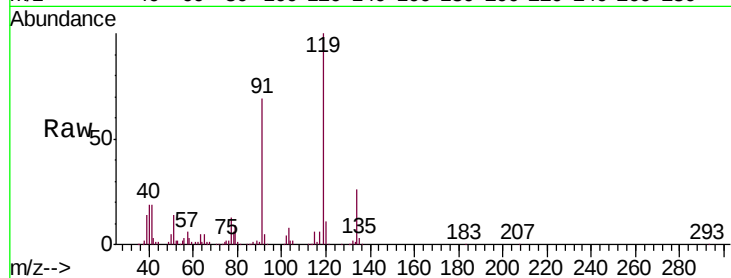
Tgt Ion:119 Resp: 50763

Ion Ratio Lower Upper

119 100

91 70.0 34.4 103.2

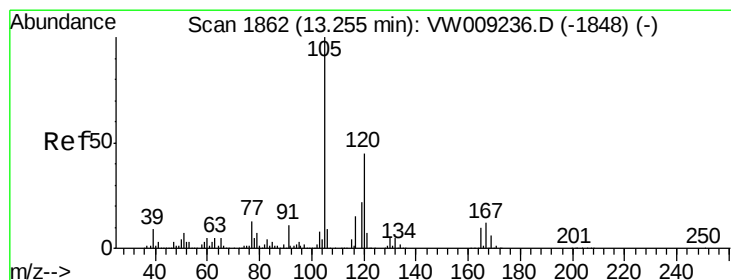
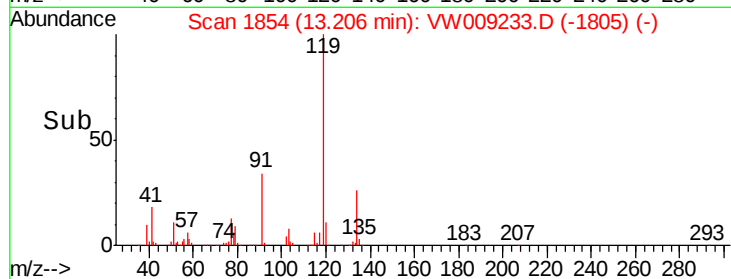
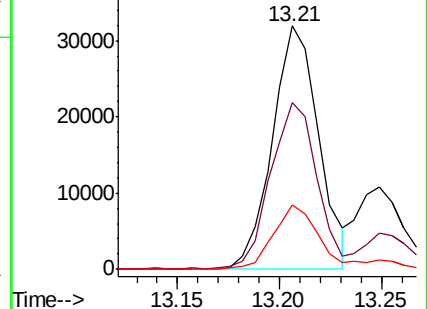
134 26.2 12.7 38.1



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: 4.693 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW009233.D

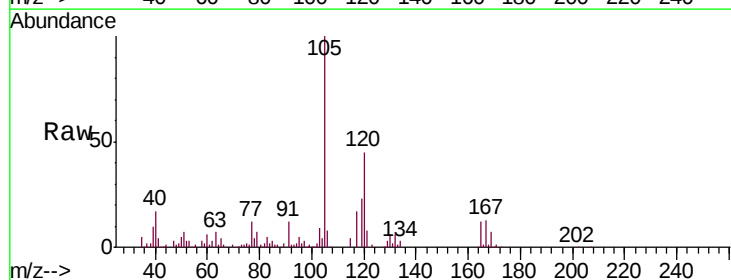
Acq: 19 Mar 2019 10:57

Tgt Ion:105 Resp: 62135

Ion Ratio Lower Upper

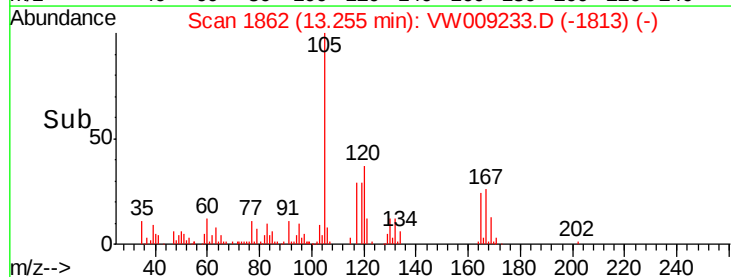
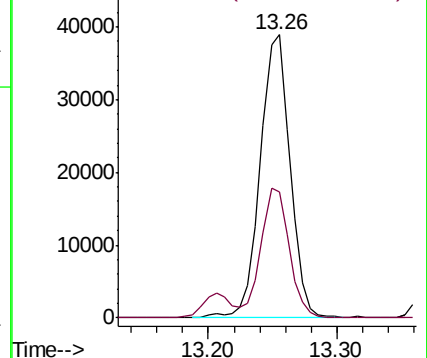
105 100

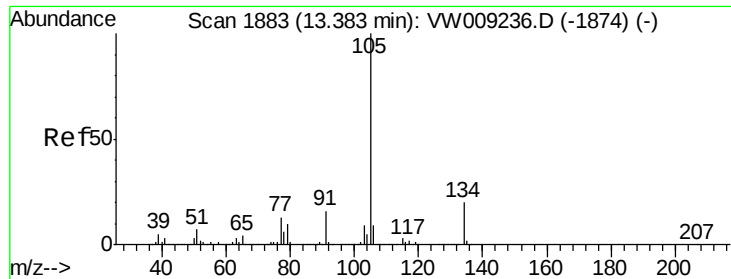
120 43.5 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

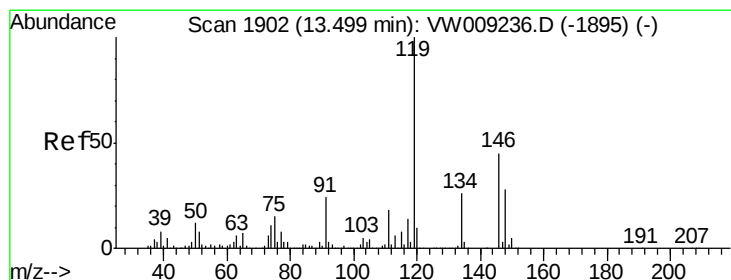
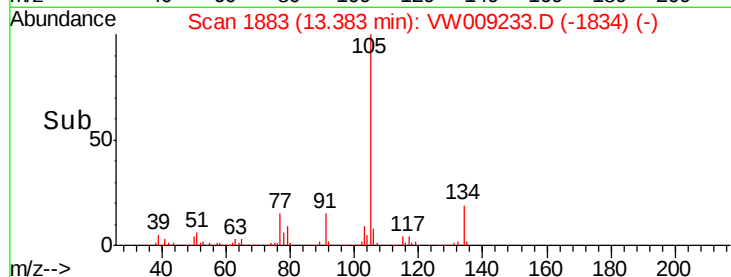
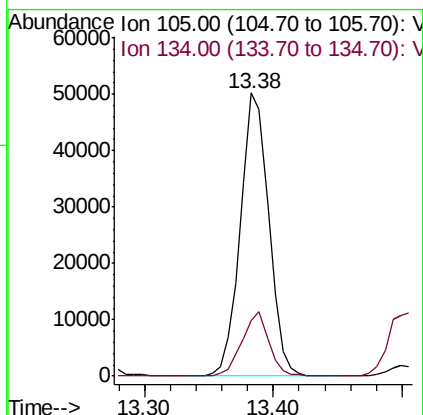
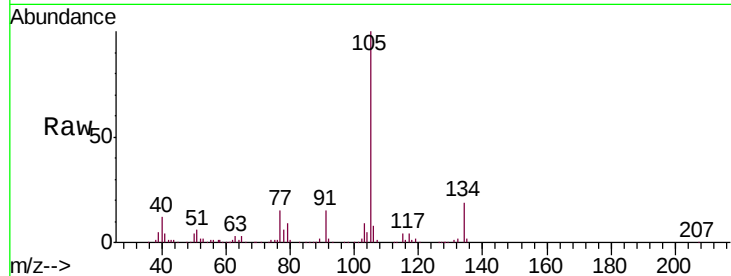




#85
 sec-Butylbenzene
 Concen: 4.693 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

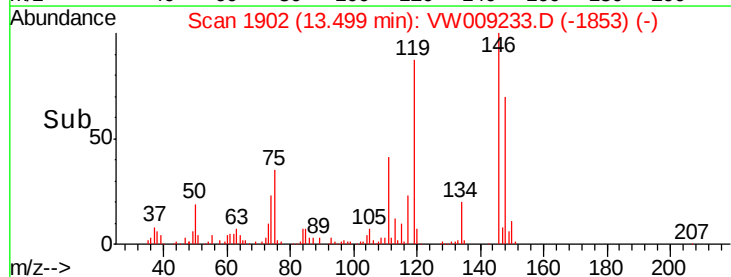
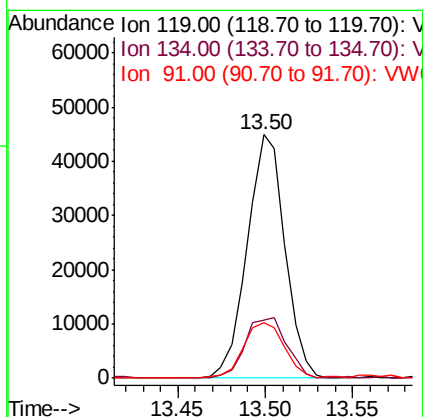
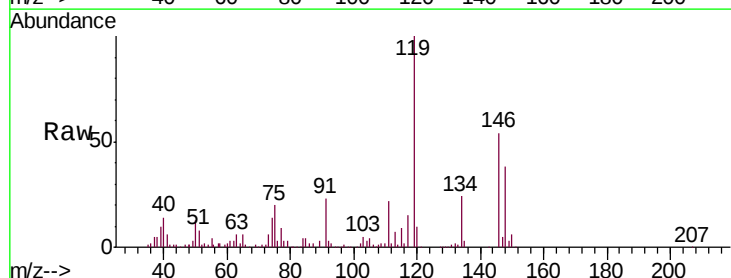
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

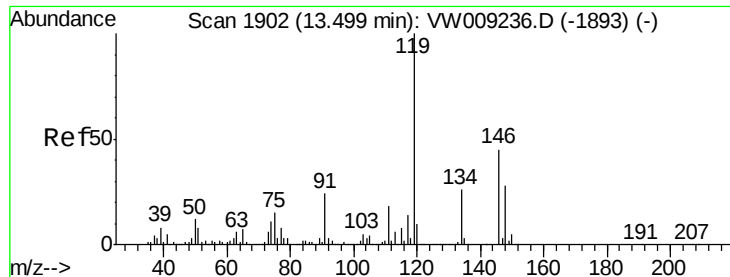
Tgt Ion:105 Resp: 76528
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 4.644 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion:119 Resp: 67435
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.1 39.3
 91 25.0 12.3 36.8

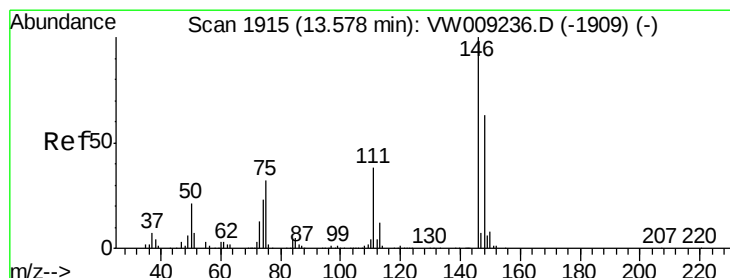
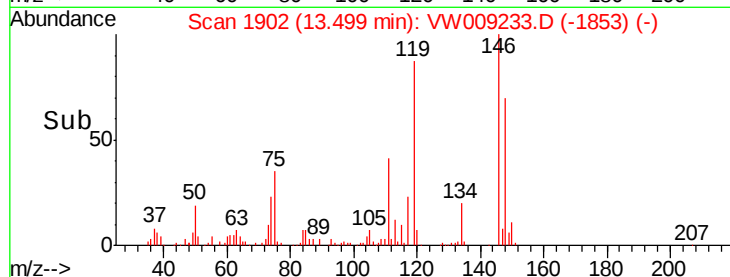
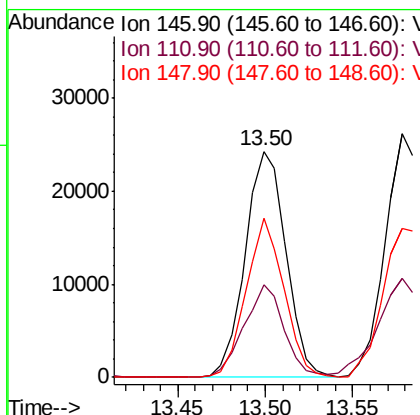
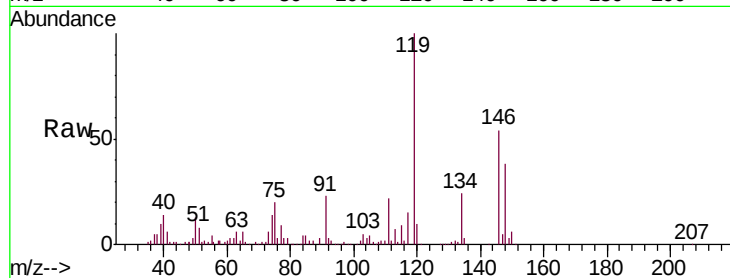




#87
 1,3-Dichlorobenzene
 Concen: 5.286 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

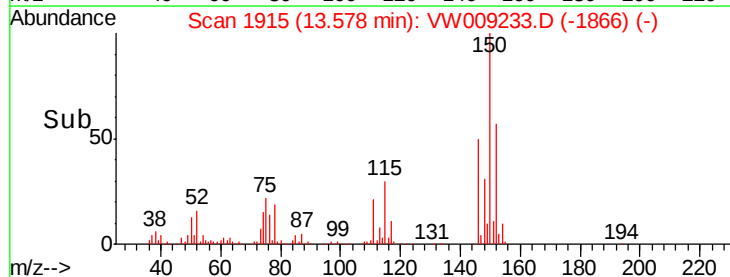
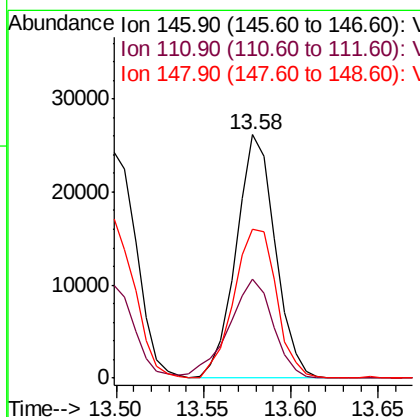
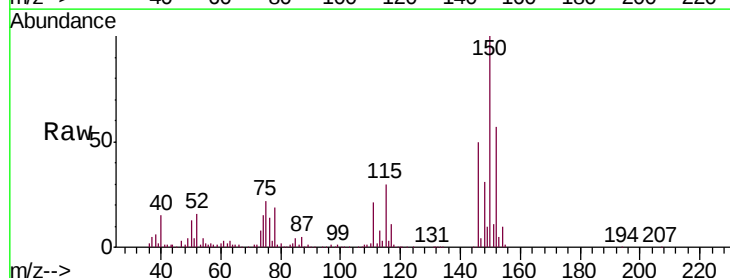
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

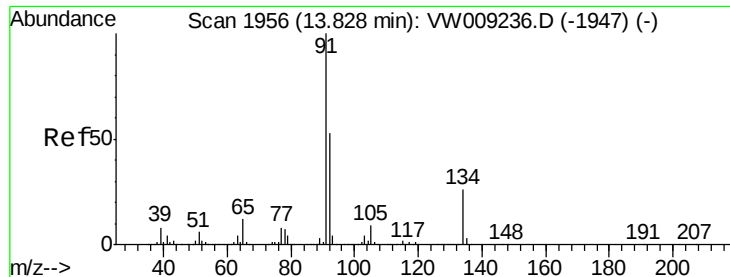
Tgt Ion:146 Resp: 39345
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.1 60.2
 148 65.3 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 5.482 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion:146 Resp: 40627
 Ion Ratio Lower Upper
 146 100
 111 46.3 19.9 59.6
 148 67.1 32.2 96.6





#89

n-Butylbenzene

Concen: 4.745 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

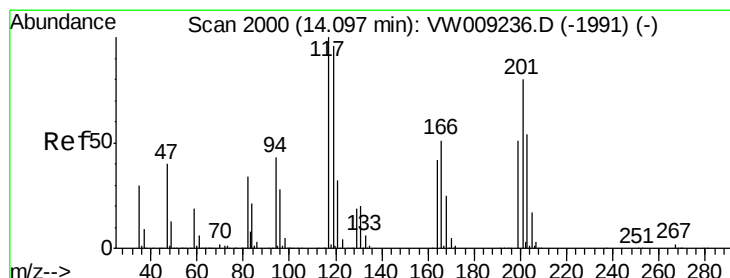
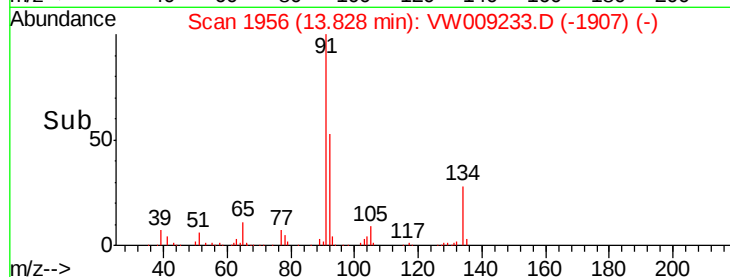
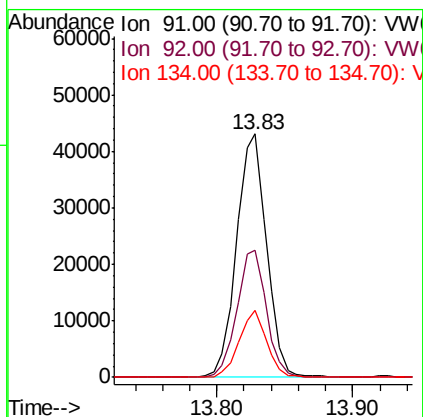
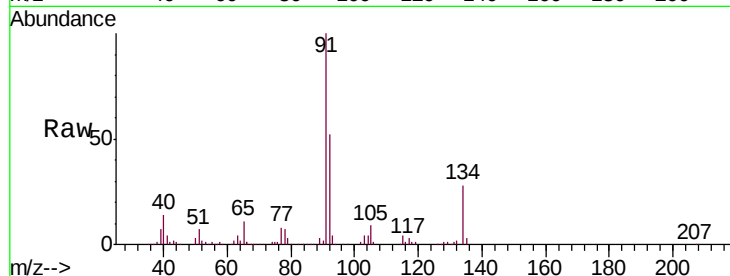
Tgt Ion: 91 Resp: 66140

Ion Ratio Lower Upper

91 100

92 51.1 26.4 79.0

134 25.2 12.9 38.6



#90

Hexachloroethane

Concen: 5.265 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009233.D

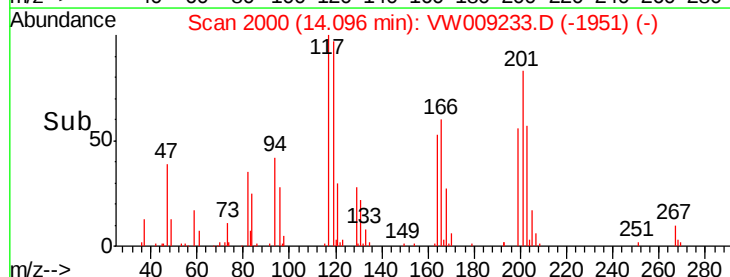
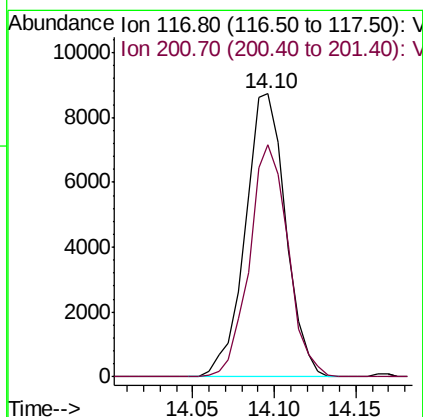
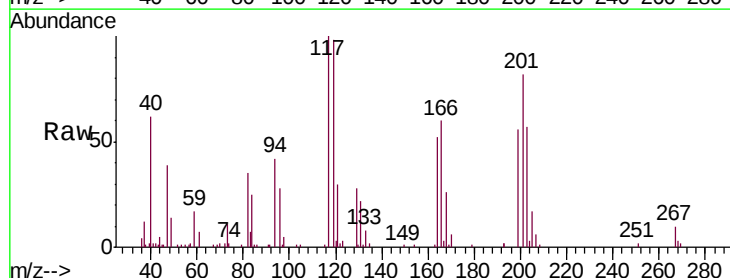
Acq: 19 Mar 2019 10:57

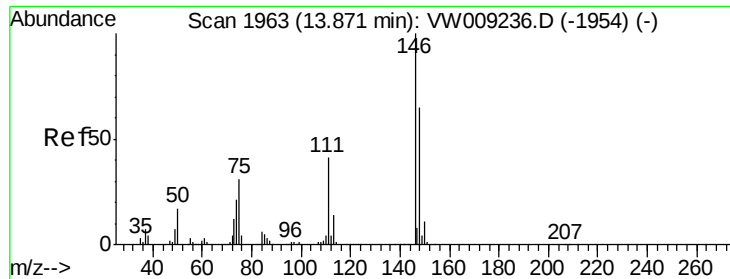
Tgt Ion: 117 Resp: 15075

Ion Ratio Lower Upper

117 100

201 78.3 38.2 114.6

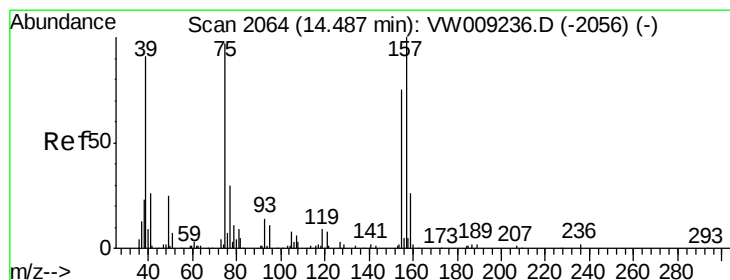
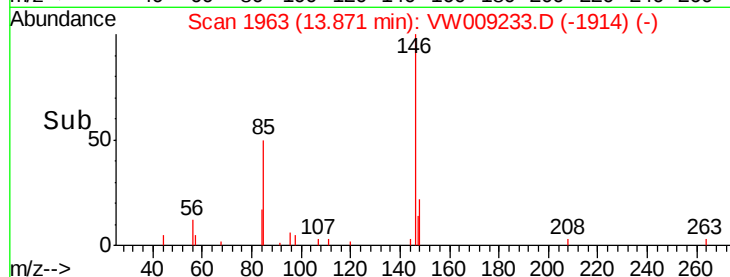
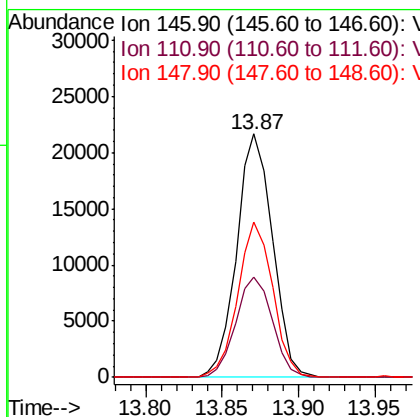
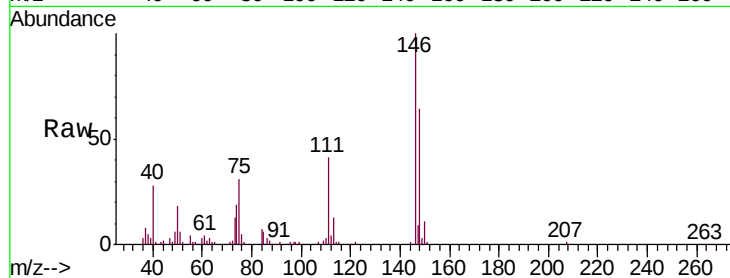




#91
 1,2-Dichlorobenzene
 Concen: 5.270 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

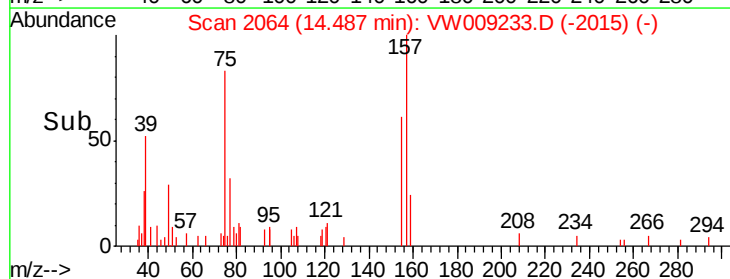
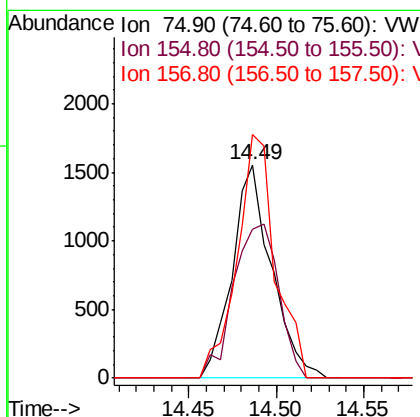
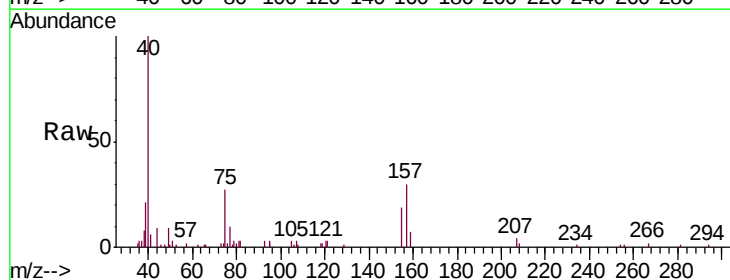
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

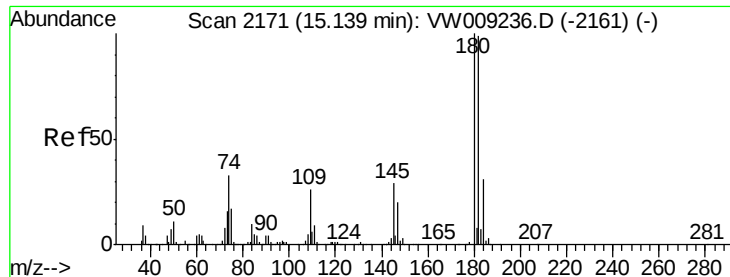
Tgt Ion:146 Resp: 35173
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.4 61.2
 148 62.5 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.780 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion: 75 Resp: 2431
 Ion Ratio Lower Upper
 75 100
 155 83.0 39.3 117.8
 157 109.9 49.5 148.5

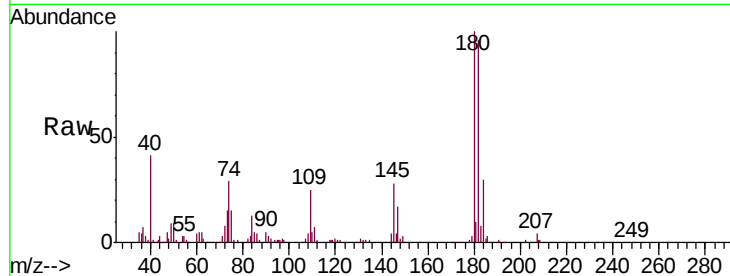




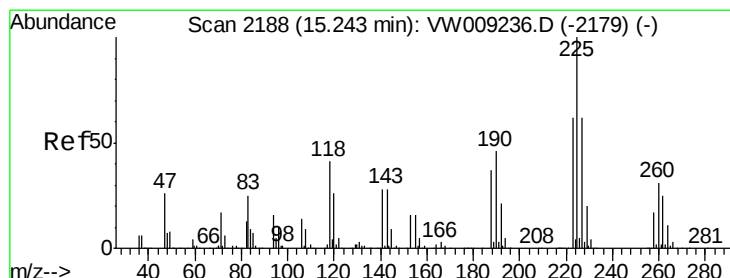
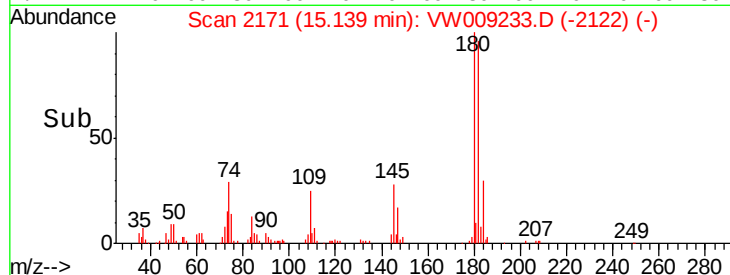
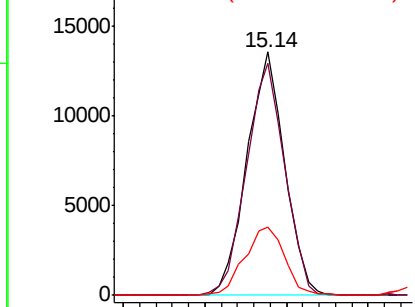
#93
 1,2,4-Trichlorobenzene
 Concen: 4.859 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 21782
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.9 143.7
 145 29.9 15.0 45.0

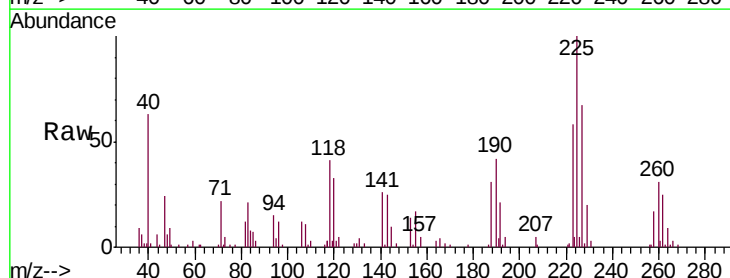


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

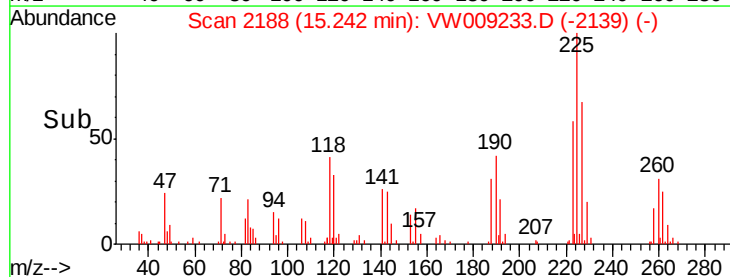
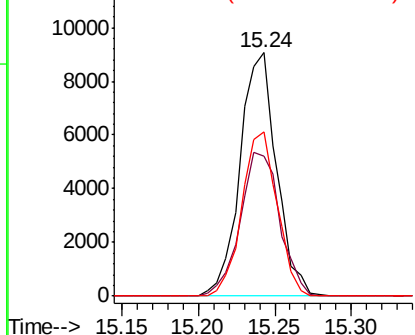


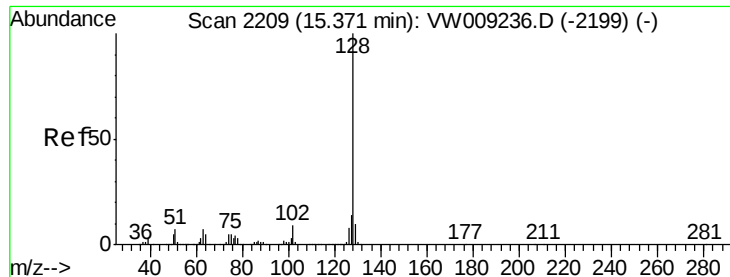
#94
 Hexachlorobutadiene
 Concen: 5.283 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion:225 Resp: 15063
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.4 94.3
 227 65.1 32.1 96.5



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

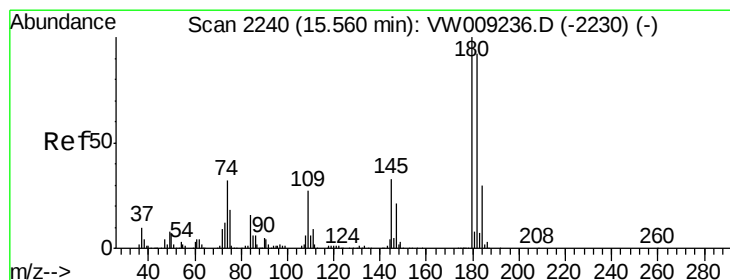
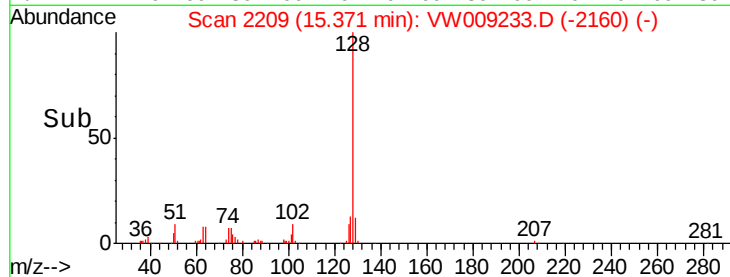
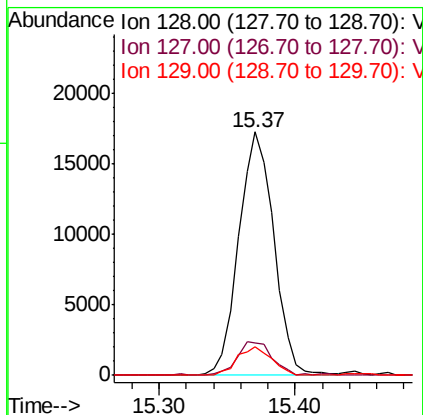
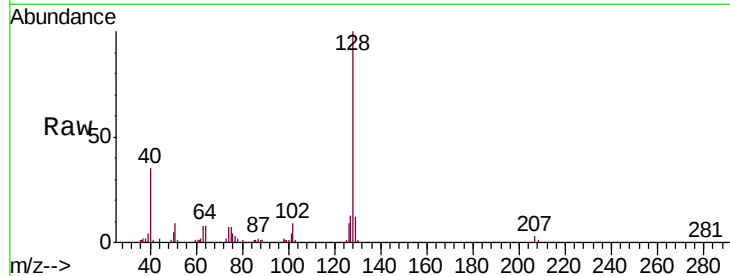




#95
Naphthalene
Concen: 4.025 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 31258
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 11.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 5.041 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion:180 Resp: 20170
Ion Ratio Lower Upper
180 100
182 95.7 47.3 141.9
145 30.1 16.0 48.0

