

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090818\
 Data File : VW005228.D
 Acq On : 08 Sep 2018 00:37
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 08 02:44:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090818S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 08 02:41:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	460688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	681817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	691047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	378720	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	75669	19.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.62%	
35) Dibromofluoromethane	7.89	113	74729	19.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.18%	
50) Toluene-d8	10.33	98	356620	19.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.26%	
62) 4-Bromofluorobenzene	12.63	95	133638	20.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	86569	23.389	ug/l	99
3) Chloromethane	2.22	50	118555	22.338	ug/l	99
4) Vinyl Chloride	2.36	62	101351	19.752	ug/l	100
5) Bromomethane	2.75	94	67061	18.993	ug/l	97
6) Chloroethane	2.90	64	58102	18.416	ug/l	99
7) Trichlorofluoromethane	3.26	101	107437	18.636	ug/l	98
8) Diethyl Ether	3.69	74	42757	20.354	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	73360	18.458	ug/l	99
10) Methyl Iodide	4.27	142	85525	16.933	ug/l	99
11) Tert butyl alcohol	5.18	59	32364	116.463	ug/l	99
12) 1,1-Dichloroethene	4.04	96	70070	19.152	ug/l	98
13) Acrolein	3.90	56	29262	115.904	ug/l	98
14) Allyl chloride	4.67	41	109813	19.227	ug/l	100
15) Acrylonitrile	5.37	53	98567	109.365	ug/l	100
16) Acetone	4.13	43	68294	91.456	ug/l	98
17) Carbon Disulfide	4.38	76	244719	19.117	ug/l	99
18) Methyl Acetate	4.68	43	43733	19.650	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	189485	21.150	ug/l	98
20) Methylene Chloride	4.92	84	127285	20.381	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	86532	19.429	ug/l	94
22) Diisopropyl ether	6.32	45	246558	20.479	ug/l	97
23) Vinyl Acetate	6.26	43	669137	105.198	ug/l	99
24) 1,1-Dichloroethane	6.22	63	144620	19.285	ug/l	99
25) 2-Butanone	7.18	43	112406	87.591	ug/l	96
26) 2,2-Dichloropropane	7.17	77	105965	17.314	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	94751	19.486	ug/l	99
28) Bromochloromethane	7.52	49	55220	18.328	ug/l	99
29) Tetrahydrofuran	7.54	42	76818	112.957	ug/l	99
30) Chloroform	7.68	83	147852	19.320	ug/l	99
31) Cyclohexane	7.96	56	141507	19.091	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	124027	18.592	ug/l	99
36) 1,1-Dichloropropene	8.09	75	119648	18.780	ug/l	99
37) Ethyl Acetate	7.26	43	53277	22.013	ug/l	99
38) Carbon Tetrachloride	8.07	117	108700	18.007	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	140805	18.187	ug/l	98
40) Benzene	8.33	78	368528	18.875	ug/l	100
41) Methacrylonitrile	7.49	41	26910	19.405	ug/l	92
42) 1,2-Dichloroethane	8.41	62	93268	19.544	ug/l	99
43) Isopropyl Acetate	8.43	43	94384	21.359	ug/l	99
44) Trichloroethene	9.10	130	99616	18.946	ug/l	98
45) 1,2-Dichloropropane	9.38	63	87632	18.427	ug/l	98
46) Dibromomethane	9.46	93	41633	18.303	ug/l	98
47) Bromodichloromethane	9.65	83	101825	17.809	ug/l	98
48) Methyl methacrylate	9.45	41	41496	19.201	ug/l #	88
49) 1,4-Dioxane	9.45	88	16148	432.069	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	256189	89.560	ug/l	98
52) Toluene	10.39	92	261648	19.773	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	110483	19.511	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	134860	19.699	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	71051	20.070	ug/l	99
56) Ethyl methacrylate	10.65	69	86164	20.946	ug/l	99
57) 1,3-Dichloropropane	10.94	76	118426	20.231	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	198247	103.419	ug/l	99
59) 2-Hexanone	10.98	43	177738	91.455	ug/l	100
60) Dibromochloromethane	11.13	129	78155	19.522	ug/l	99
61) 1,2-Dibromoethane	11.24	107	64992	20.209	ug/l	96
64) Tetrachloroethene	10.87	164	102592	19.008	ug/l	98
65) Chlorobenzene	11.66	112	296096	19.286	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	88238	18.833	ug/l	100
67) Ethyl Benzene	11.74	91	488223	18.871	ug/l	99
68) m/p-Xylenes	11.85	106	403439	38.992	ug/l	100
69) o-Xylene	12.17	106	186140	19.382	ug/l	100
70) Styrene	12.19	104	310594	19.639	ug/l	100
71) Bromoform	12.35	173	48857	19.497	ug/l #	99
73) Isopropylbenzene	12.47	105	488188	18.555	ug/l	99
74) N-amyl acetate	12.28	43	99240	21.239	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	84153	20.600	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	104957	36.605	ug/l #	100
77) Bromobenzene	12.76	156	125760	19.352	ug/l	99
78) n-propylbenzene	12.81	91	594997	18.782	ug/l	100
79) 2-Chlorotoluene	12.90	91	352283	19.017	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	430809	19.024	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	22832	19.364	ug/l	99
82) 4-Chlorotoluene	12.99	91	376444	19.231	ug/l	100
83) tert-Butylbenzene	13.21	119	355654	18.639	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	442882	19.203	ug/l	99
85) sec-Butylbenzene	13.39	105	525059	18.828	ug/l	100
86) p-Isopropyltoluene	13.51	119	466945	18.930	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	258490	19.404	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	256048	19.345	ug/l	99
89) n-Butylbenzene	13.83	91	424571	18.606	ug/l	99
90) Hexachloroethane	14.10	117	74558	18.102	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	230587	19.778	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13504	20.888	ug/l	99

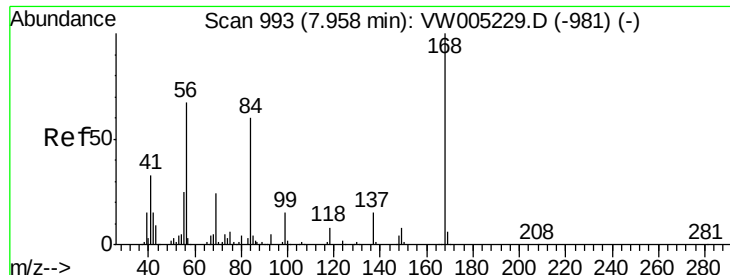
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090818\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	153532	19.721	ug/l	100
94) Hexachlorobutadiene	15.25	225	94630	19.425	ug/l	100
95) Naphthalene	15.38	128	252590	20.459	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	136152	20.352	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

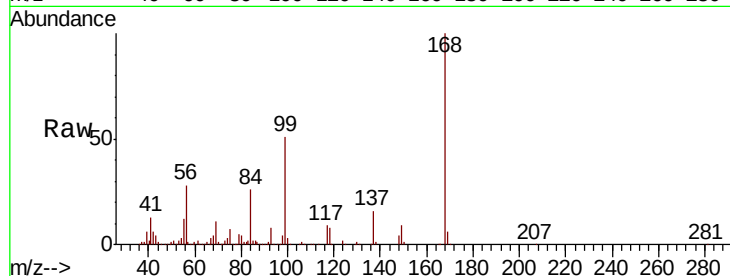
VSTDIC020

Tgt Ion:168 Resp: 460688

Ion Ratio Lower Upper

168 100

99 51.0 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

150000

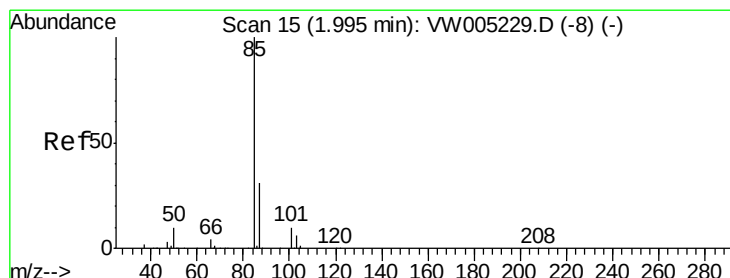
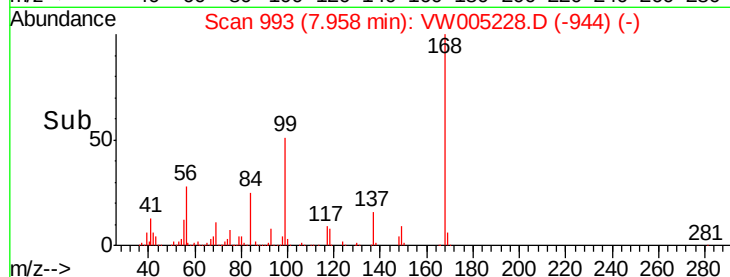
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.389 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW005228.D

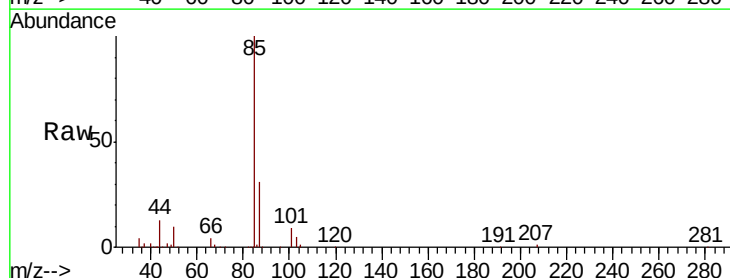
Acq: 08 Sep 2018 00:37

Tgt Ion: 85 Resp: 86569

Ion Ratio Lower Upper

85 100

87 30.8 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

60000

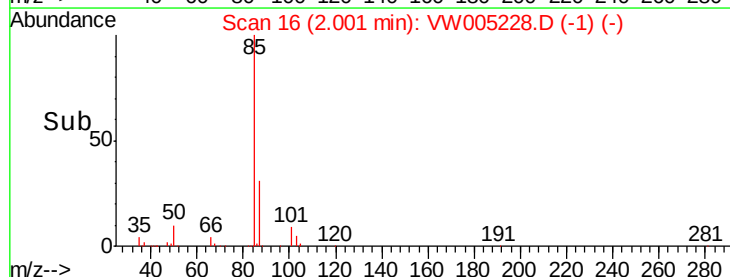
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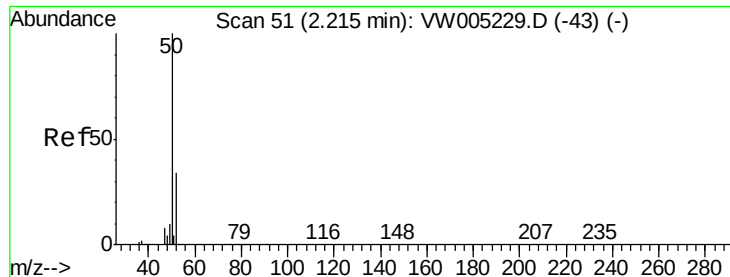
20000

0

1.90 2.00 2.10

Time-->

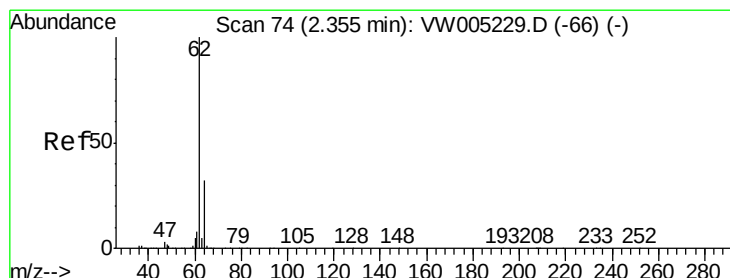
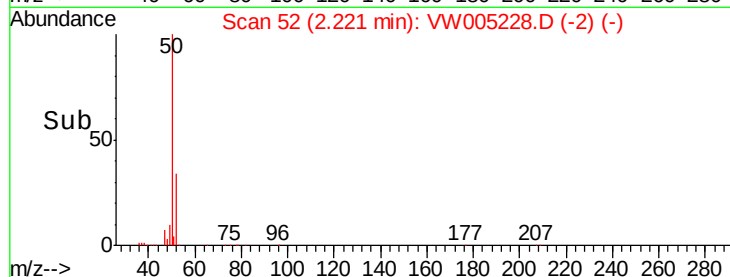
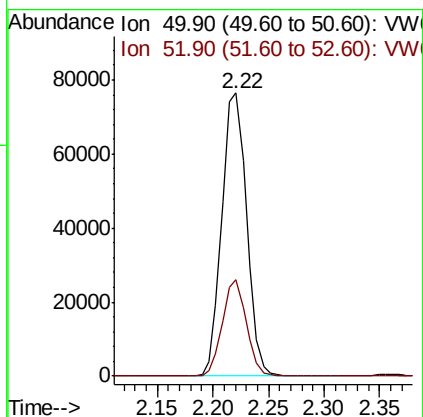
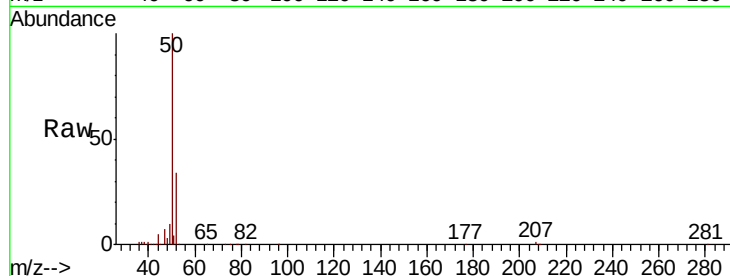




#3
Chloromethane
Concen: 22.338 ug/l
RT: 2.22 min Scan# 52
Delta R.T. 0.01 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

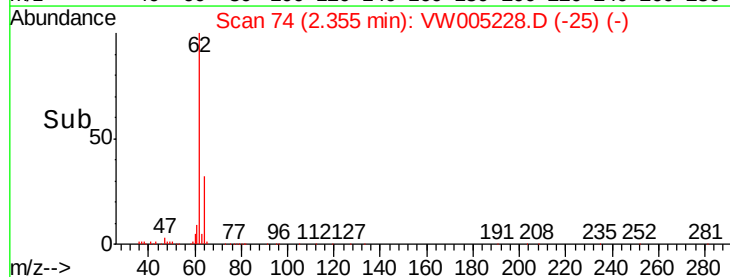
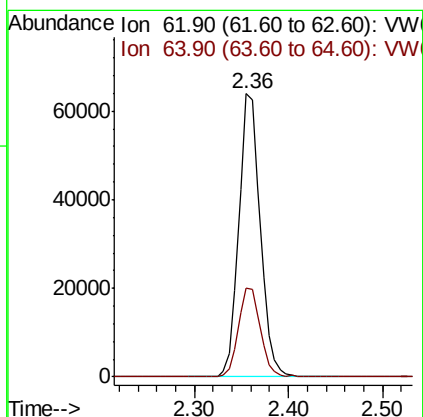
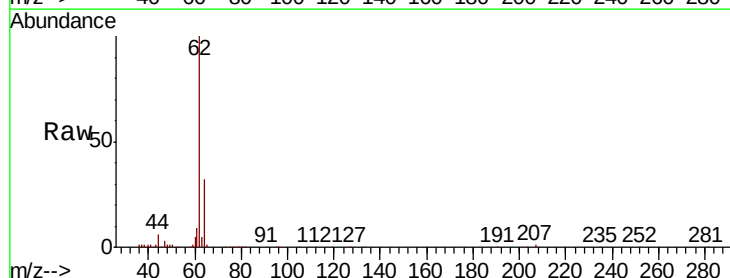
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

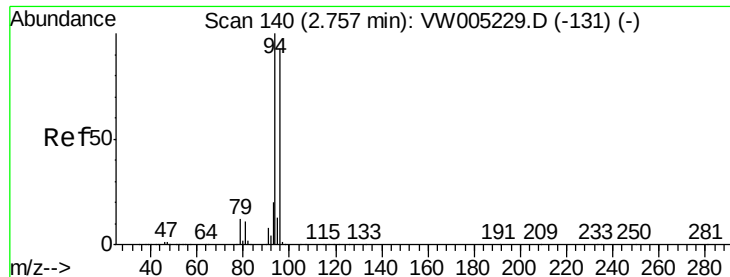
Tgt Ion: 50 Resp: 118555
Ion Ratio Lower Upper
50 100
52 34.2 26.9 40.3



#4
Vinyl Chloride
Concen: 19.752 ug/l
RT: 2.36 min Scan# 74
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion: 62 Resp: 101351
Ion Ratio Lower Upper
62 100
64 31.6 25.4 38.0





#5

Bromomethane

Concen: 18.993 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

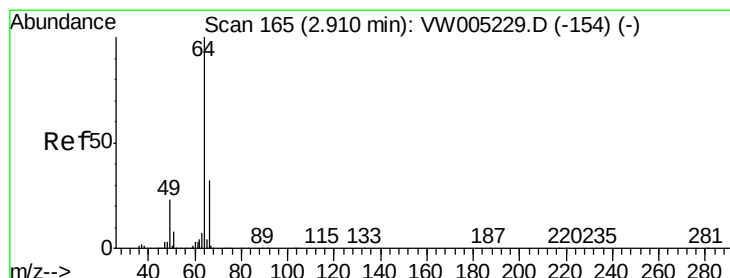
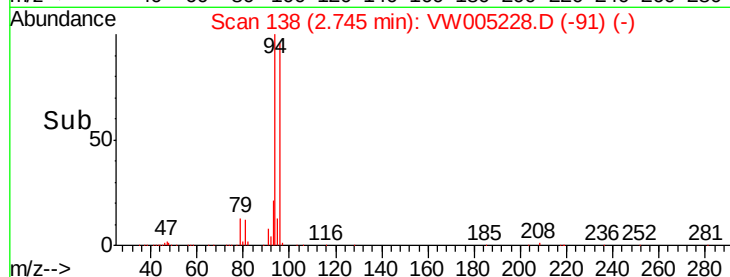
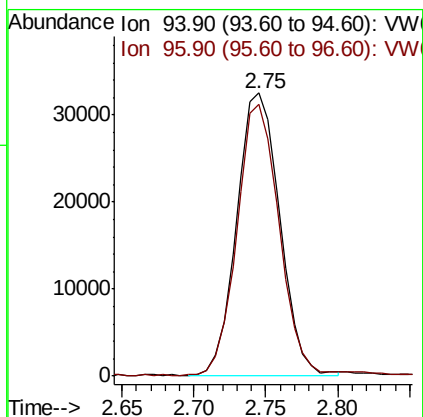
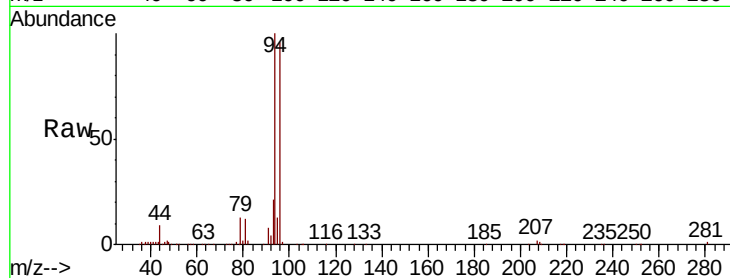
VSTDIC020

Tgt Ion: 94 Resp: 67061

Ion Ratio Lower Upper

94 100

96 95.9 74.6 112.0



#6

Chloroethane

Concen: 18.416 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW005228.D

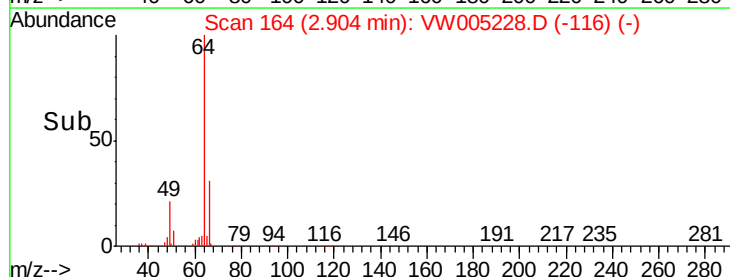
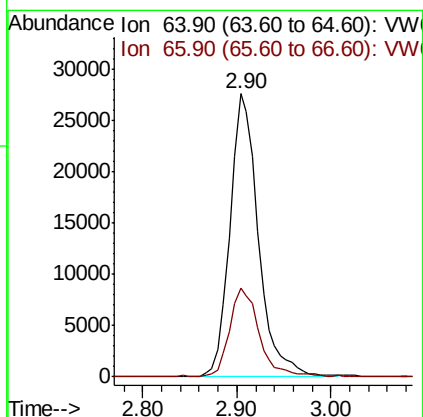
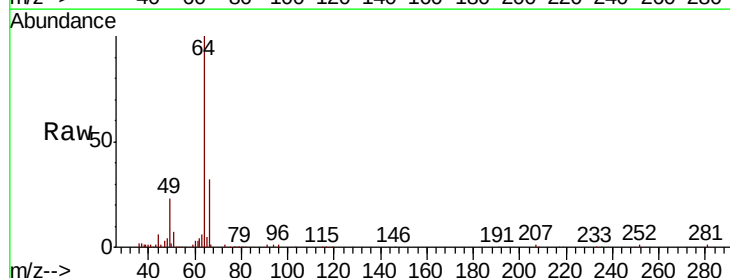
Acq: 08 Sep 2018 00:37

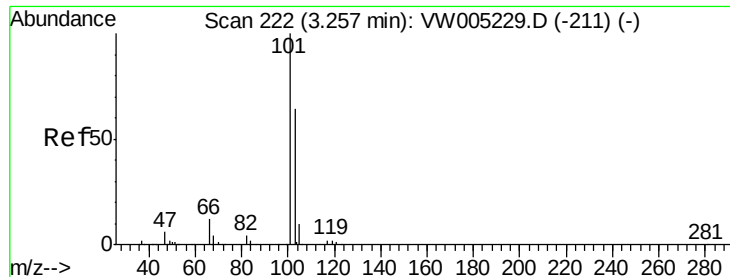
Tgt Ion: 64 Resp: 58102

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3



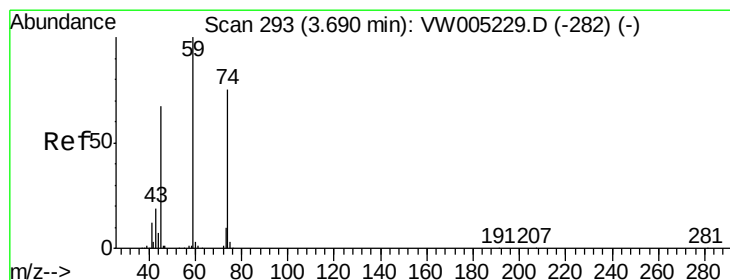
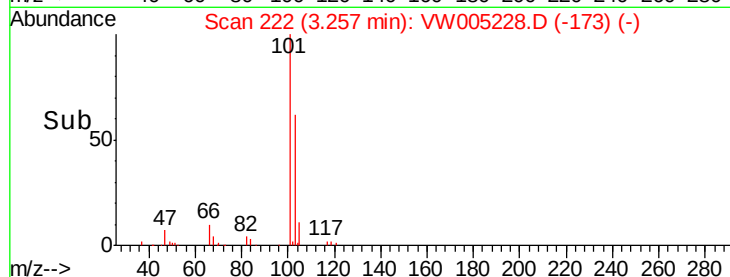
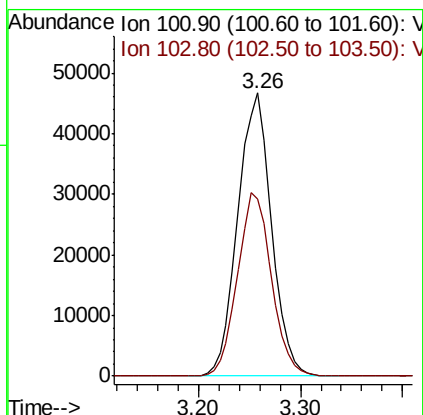
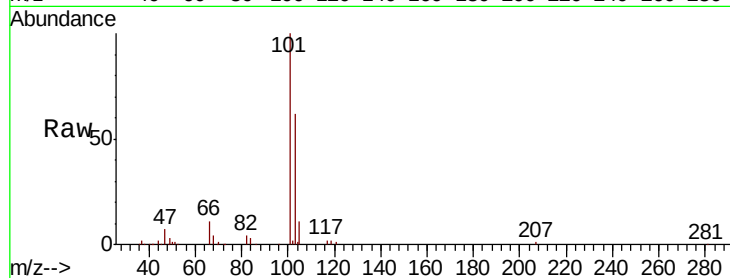


#7

Trichlorofluoromethane
Concen: 18.636 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

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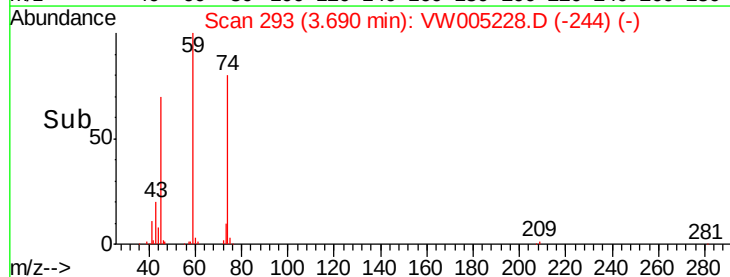
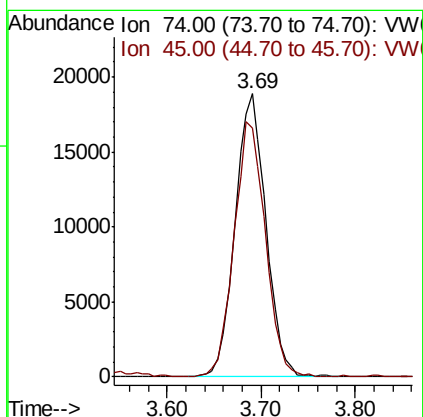
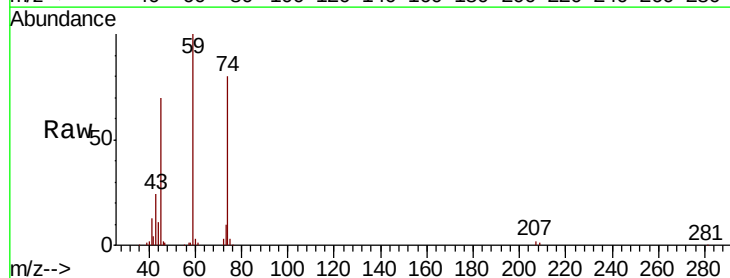
Tgt Ion: 101 Resp: 107437
Ion Ratio Lower Upper
101 100
103 62.4 51.0 76.6

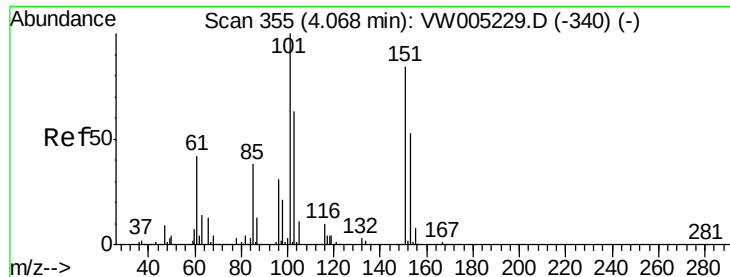


#8

Diethyl Ether
Concen: 20.354 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion: 74 Resp: 42757
Ion Ratio Lower Upper
74 100
45 92.1 46.5 139.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.458 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

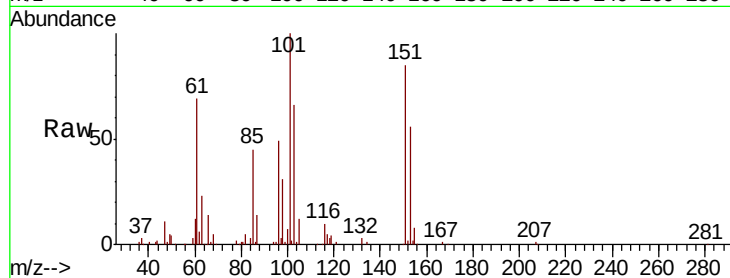
Tgt Ion:101 Resp: 73360

Ion Ratio Lower Upper

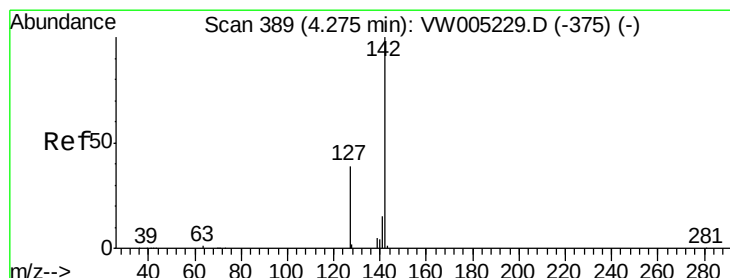
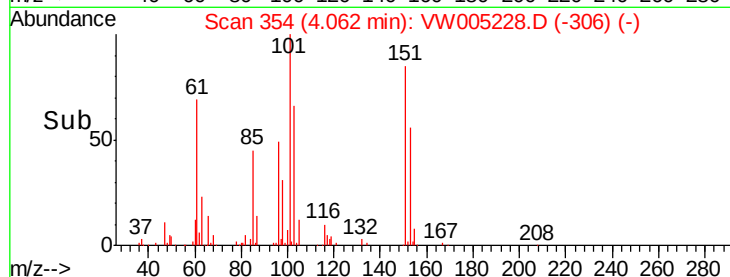
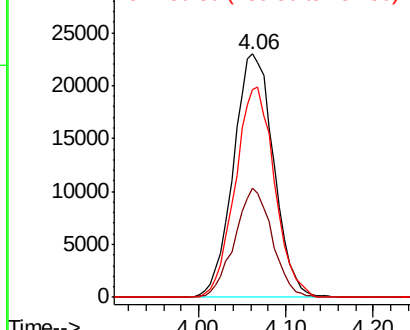
101 100

85 41.9 32.5 48.7

151 84.5 67.7 101.5



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: 16.933 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW005228.D

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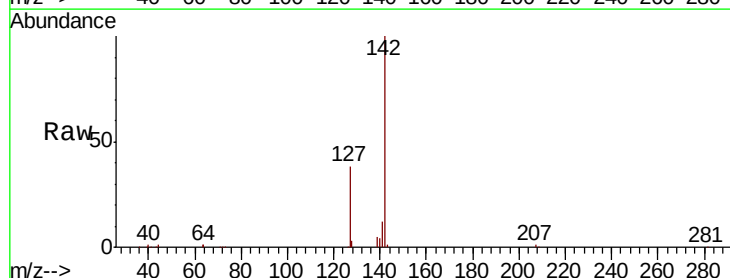
Tgt Ion:142 Resp: 85525

Ion Ratio Lower Upper

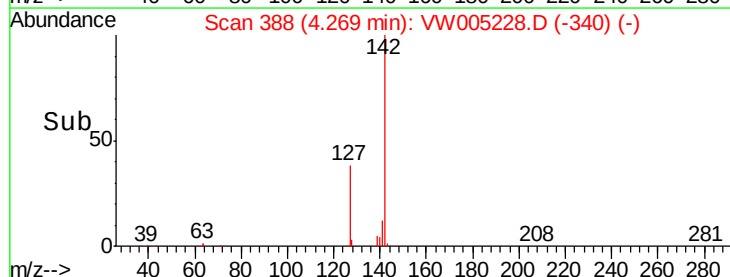
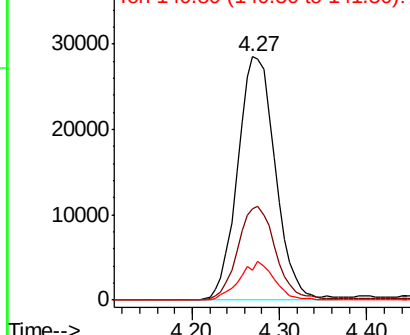
142 100

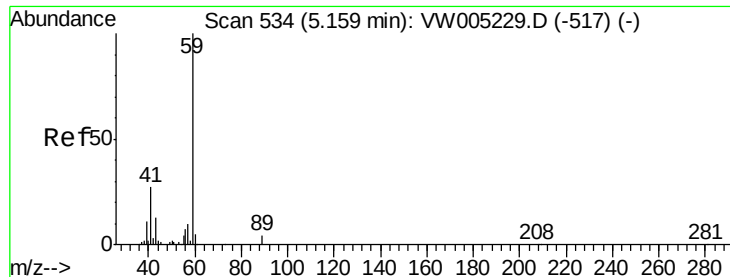
127 38.6 30.6 45.8

141 14.6 11.6 17.4



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



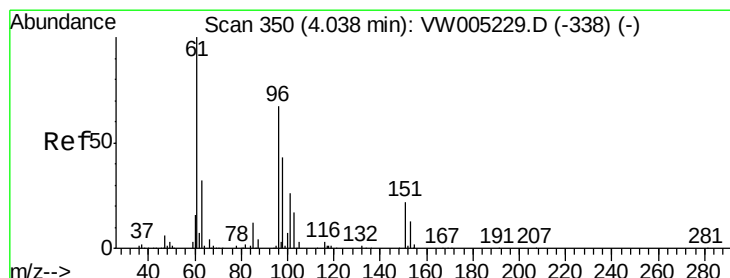
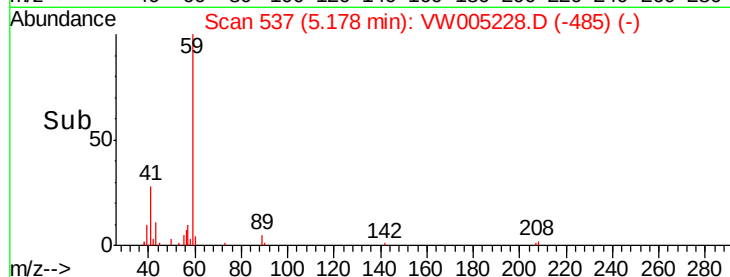
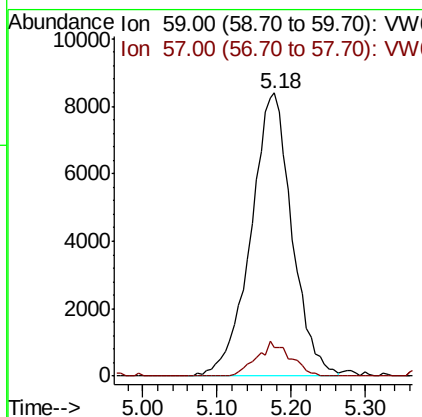
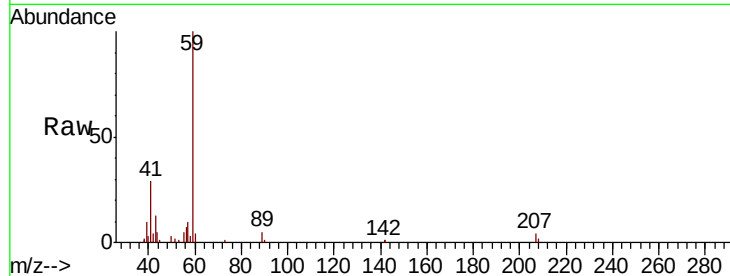


#11

Tert butyl alcohol
Concen: 116.463 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.02 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

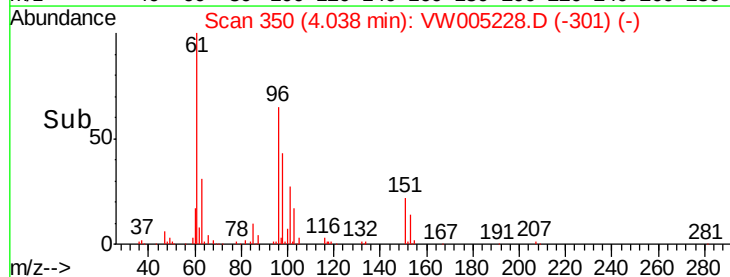
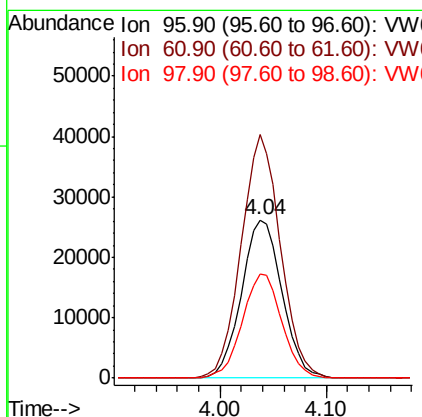
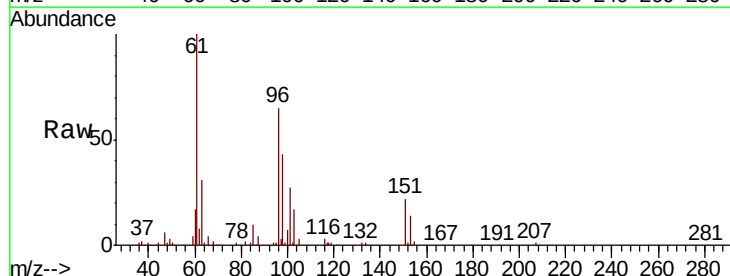
Tgt Ion: 59 Resp: 32364
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.4

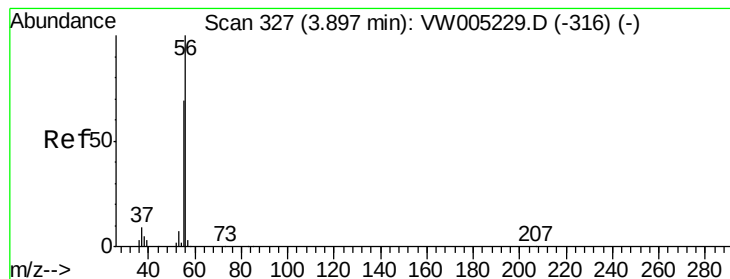


#12

1,1-Dichloroethene
Concen: 19.152 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion: 96 Resp: 70070
Ion Ratio Lower Upper
96 100
61 153.8 120.3 180.5
98 65.8 51.9 77.9





#13

Acrolein

Concen: 115.904 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

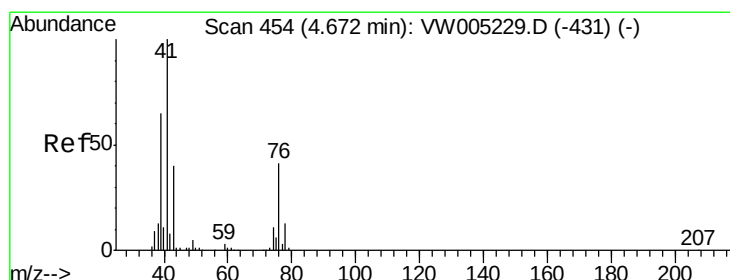
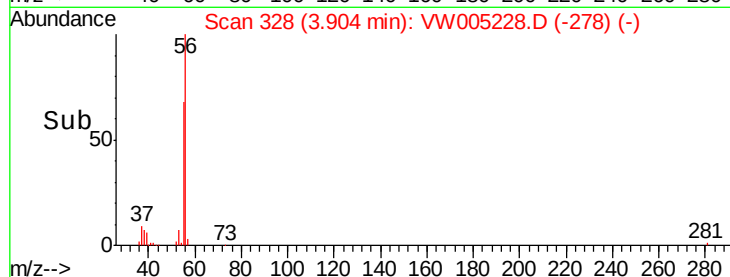
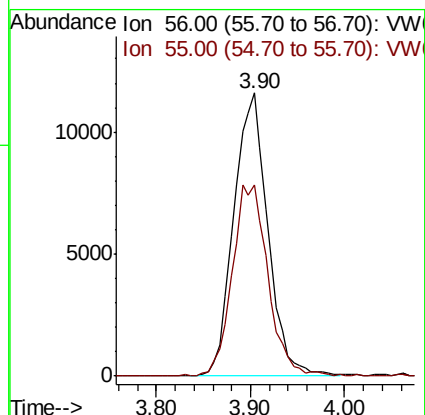
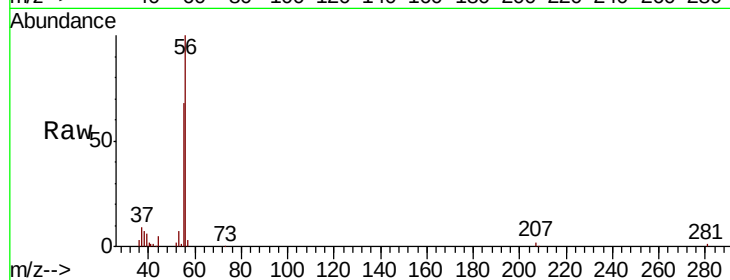
VSTDIC020

Tgt Ion: 56 Resp: 29262

Ion Ratio Lower Upper

56 100

55 70.9 55.7 83.5



#14

Allyl chloride

Concen: 19.227 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

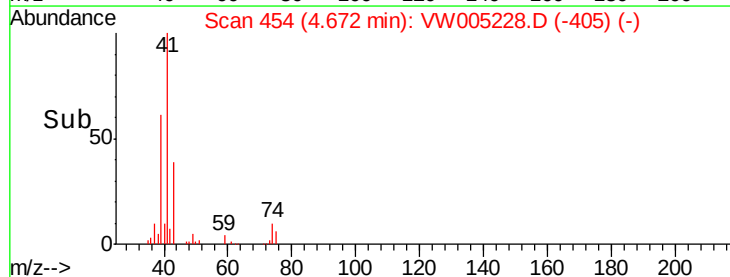
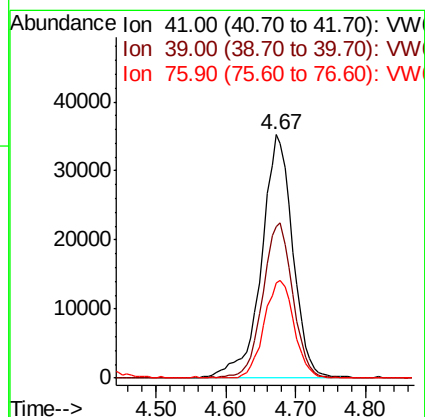
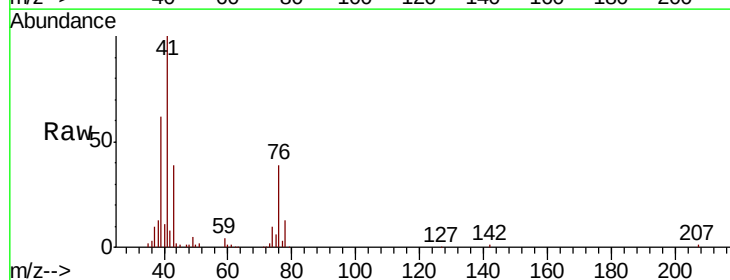
Tgt Ion: 41 Resp: 109813

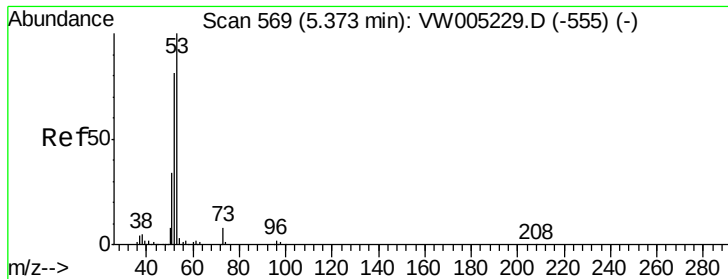
Ion Ratio Lower Upper

41 100

39 61.7 49.1 73.7

76 38.6 31.0 46.6





#15

Acrylonitrile

Concen: 109.365 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

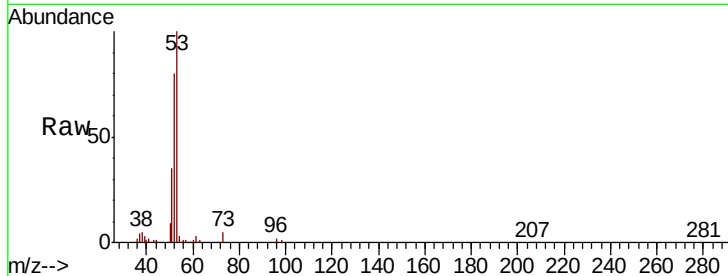
Tgt Ion: 53 Resp: 98567

Ion Ratio Lower Upper

53 100

52 80.7 64.9 97.3

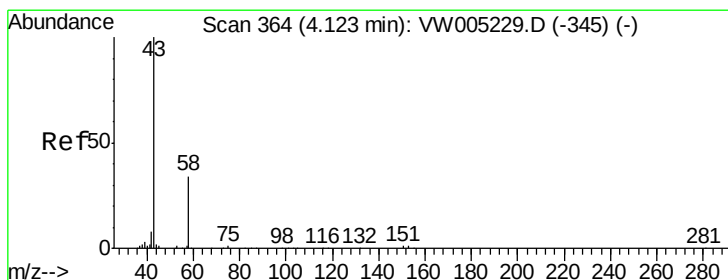
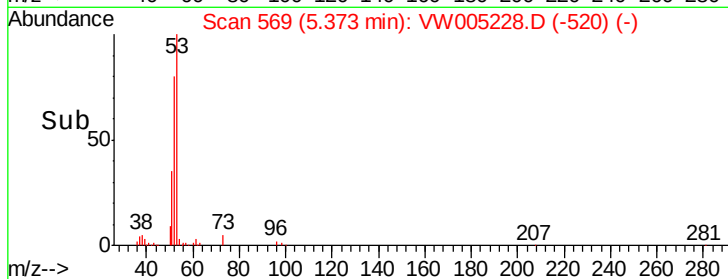
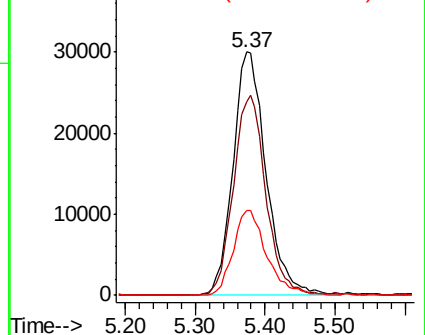
51 35.5 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 91.456 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW005228.D

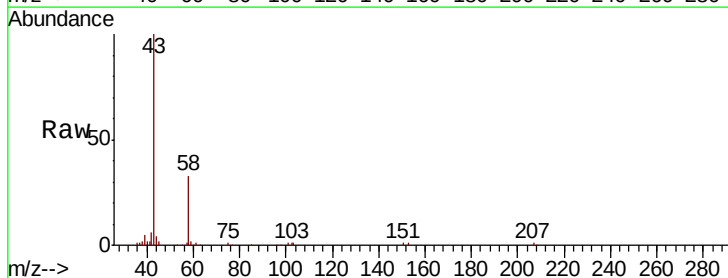
Acq: 08 Sep 2018 00:37

Tgt Ion: 43 Resp: 68294

Ion Ratio Lower Upper

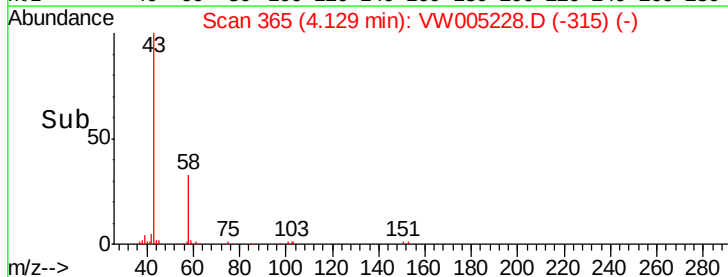
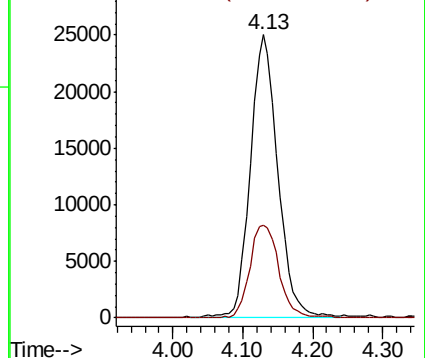
43 100

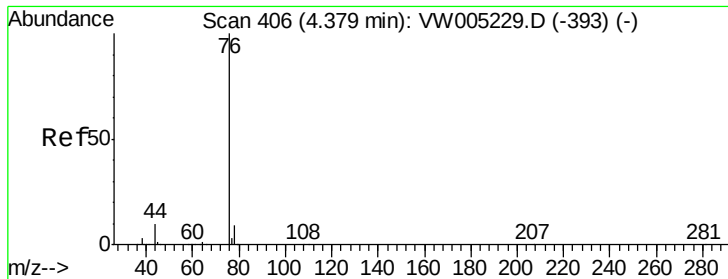
58 32.6 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 19.117 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

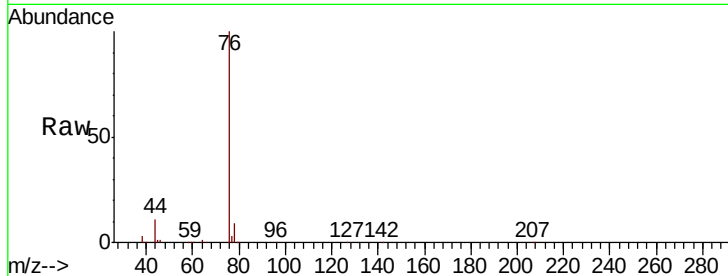
VSTDIC020

Tgt Ion: 76 Resp: 244719

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

100000

80000

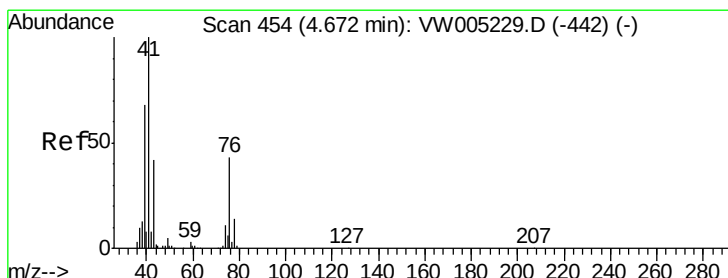
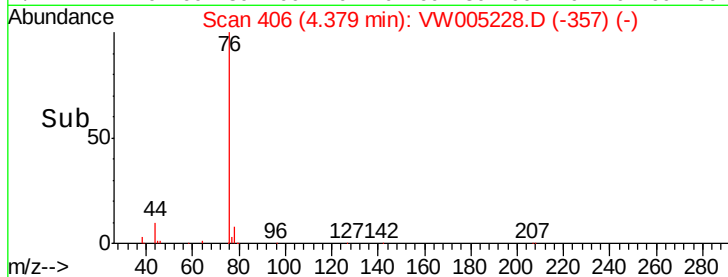
60000

40000

20000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 19.650 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW005228.D

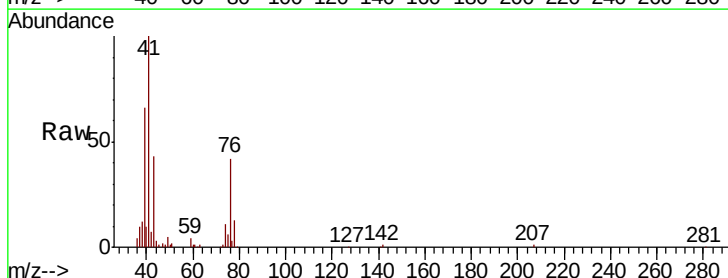
Acq: 08 Sep 2018 00:37

Tgt Ion: 43 Resp: 43733

Ion Ratio Lower Upper

43 100

74 26.4 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

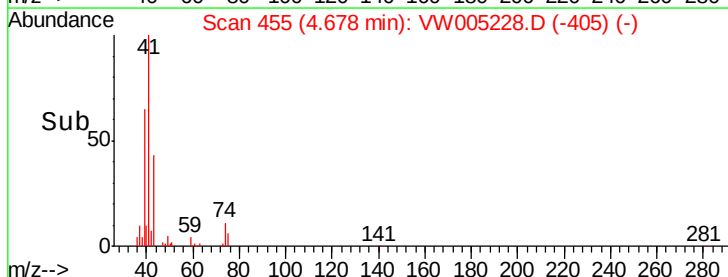
15000

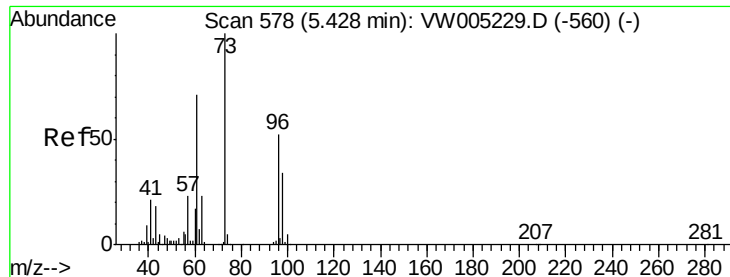
10000

5000

0

Time--> 4.50 4.60 4.70 4.80



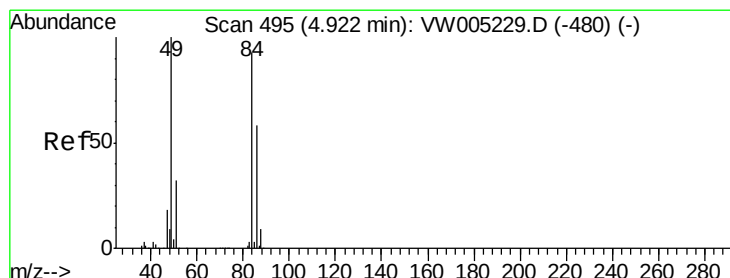
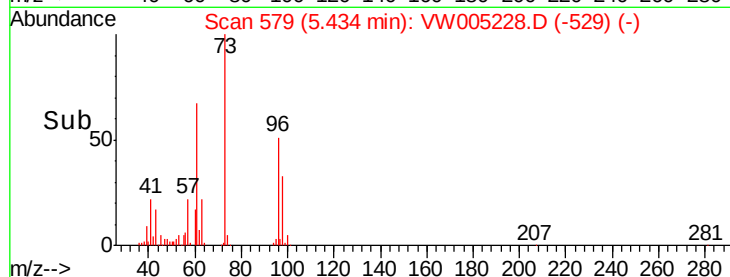
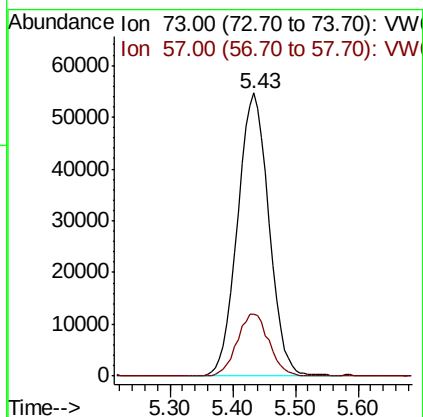
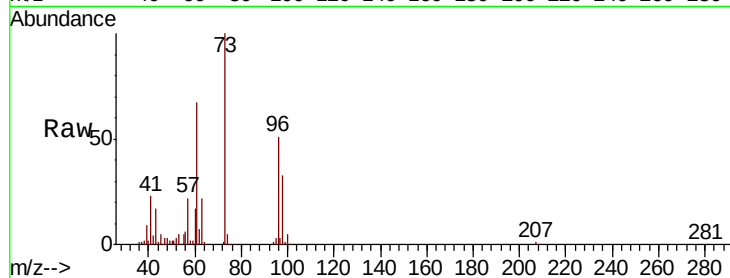


#19

Methyl tert-butyl Ether
 Concen: 21.150 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

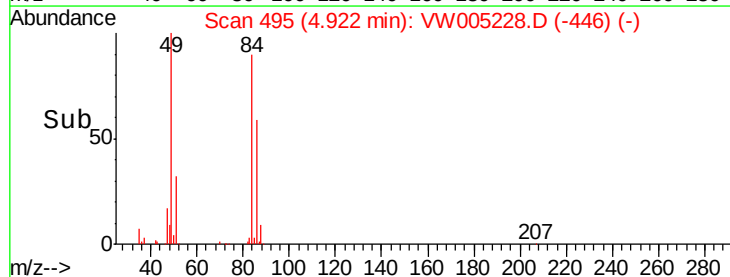
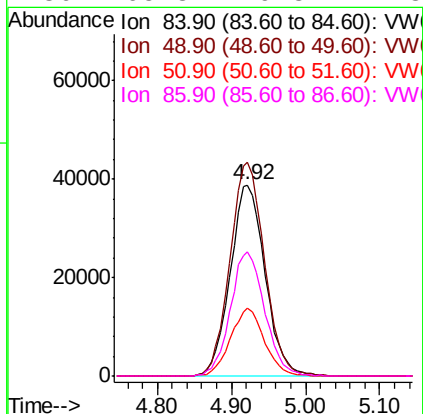
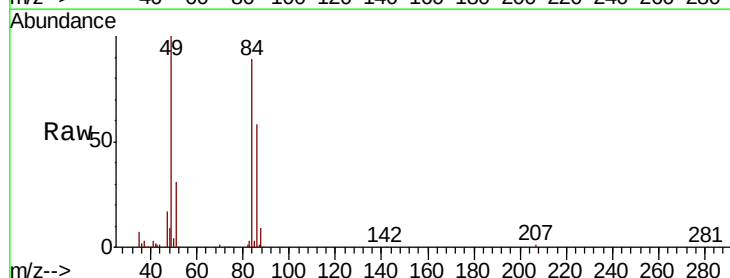
Tgt Ion: 73 Resp: 189485
 Ion Ratio Lower Upper
 73 100
 57 21.8 18.2 27.2

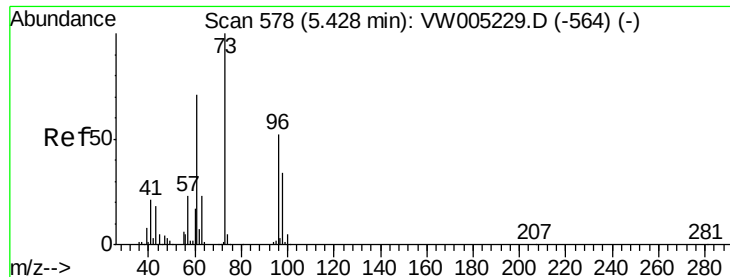


#20

Methylene Chloride
 Concen: 20.381 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion: 84 Resp: 127285
 Ion Ratio Lower Upper
 84 100
 49 111.7 85.8 128.6
 51 35.2 27.7 41.5
 86 65.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.429 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

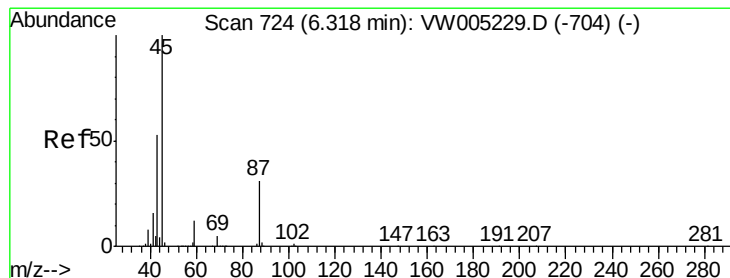
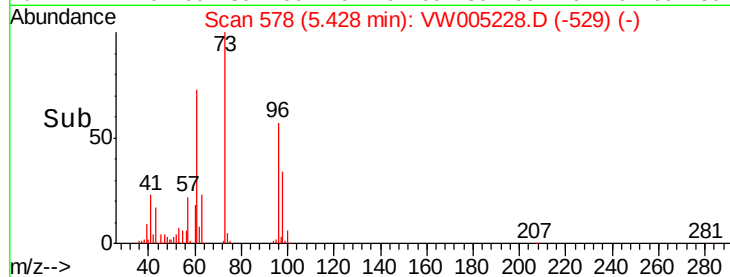
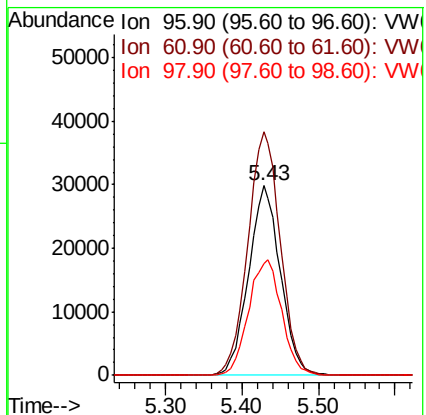
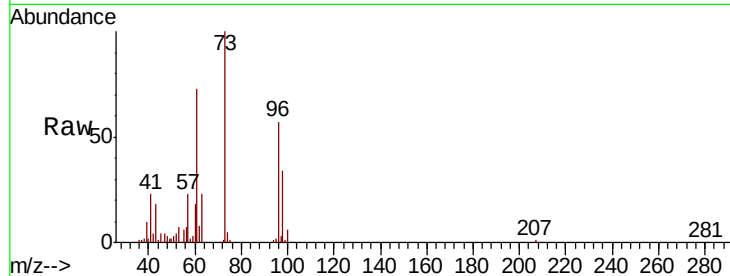
Tgt Ion: 96 Resp: 86532

Ion Ratio Lower Upper

96 100

61 128.5 108.2 162.4

98 58.8 51.9 77.9



#22

Diisopropyl ether

Concen: 20.479 ug/l

RT: 6.32 min Scan# 725

Delta R.T. 0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Tgt Ion: 45 Resp: 246558

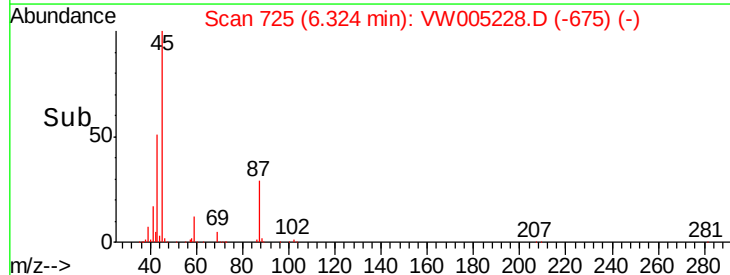
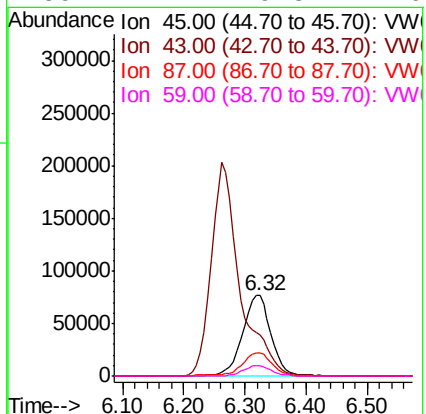
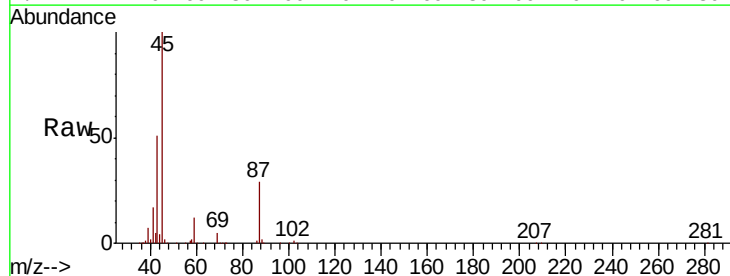
Ion Ratio Lower Upper

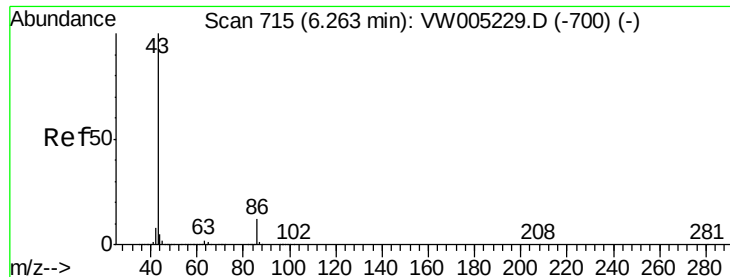
45 100

43 49.9 42.5 63.7

87 29.2 24.7 37.1

59 12.1 9.8 14.6





#23

Vinyl Acetate

Concen: 105.198 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

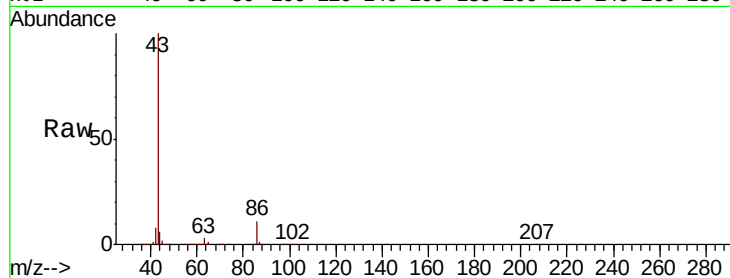
VSTDIC020

Tgt Ion: 43 Resp: 669137

Ion Ratio Lower Upper

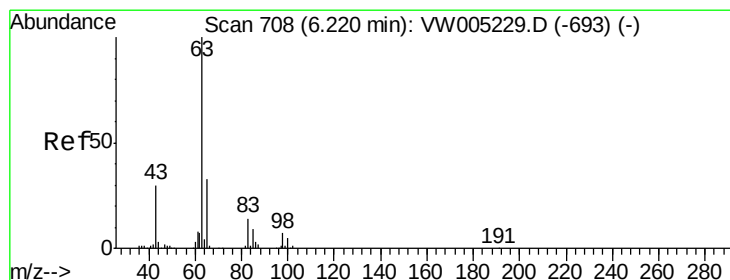
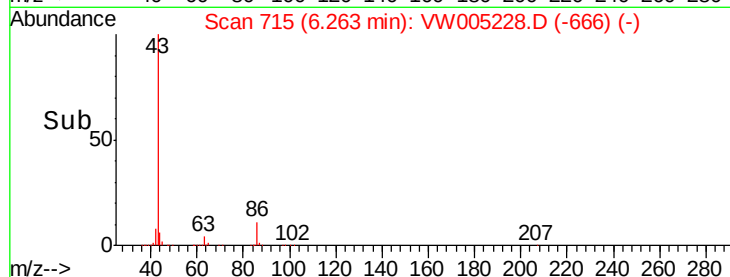
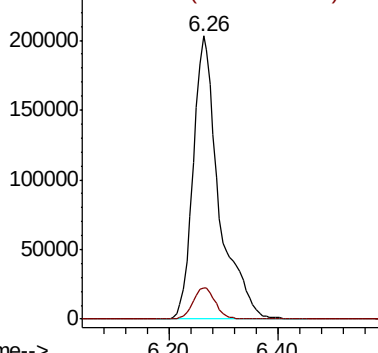
43 100

86 11.2 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.285 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

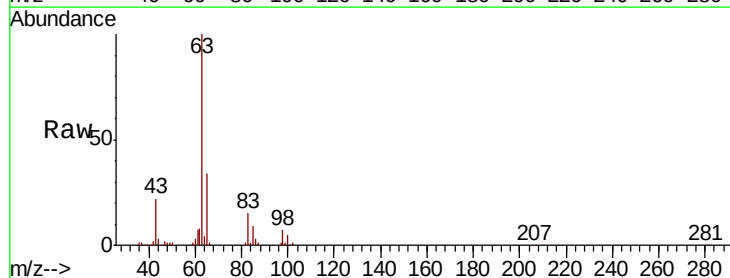
Tgt Ion: 63 Resp: 144620

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

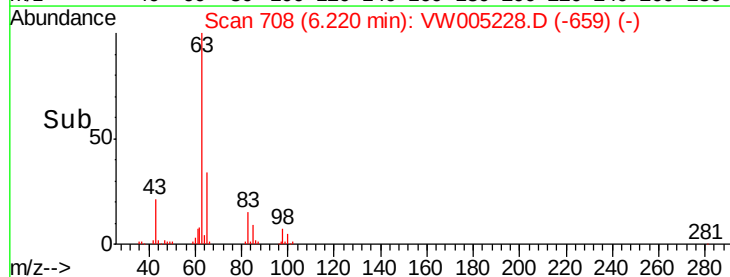
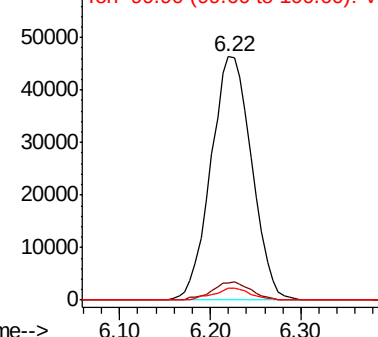
100 5.1 2.3 6.8

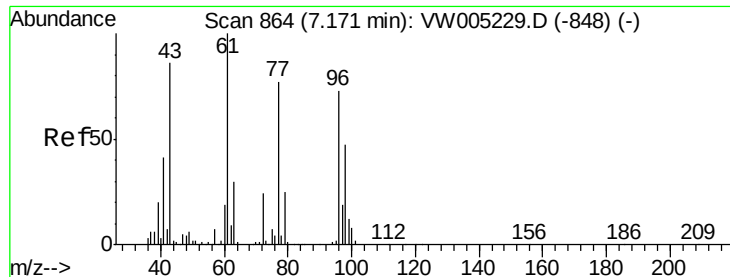


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

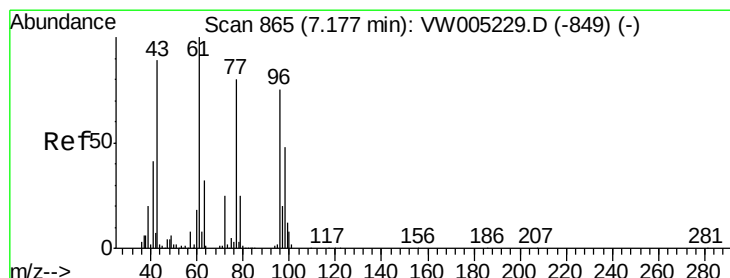
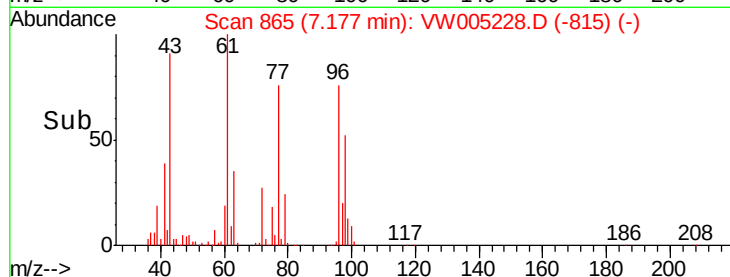
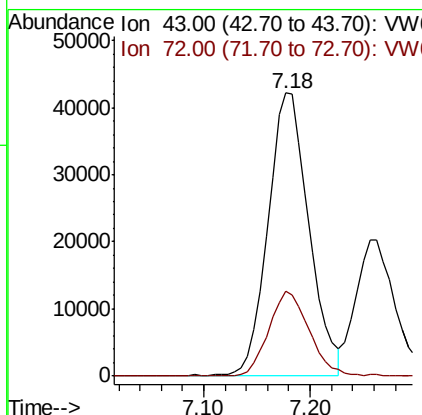
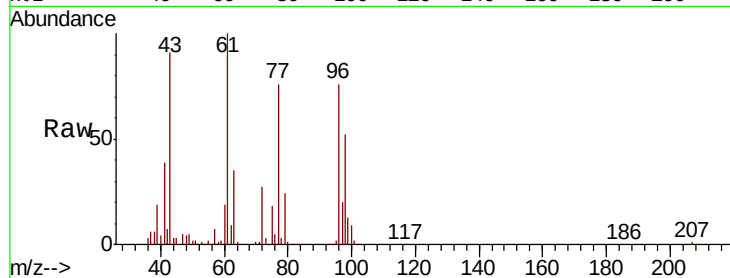




#25
2-Butanone
Concen: 87.591 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

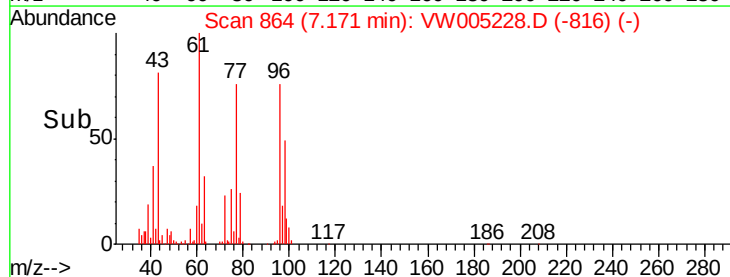
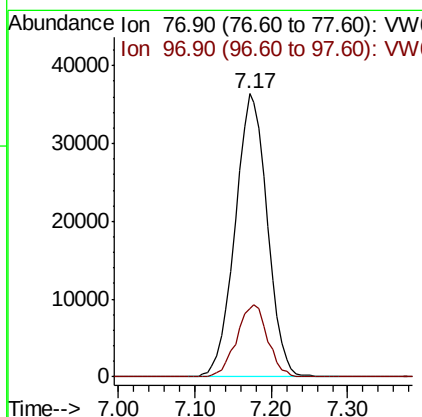
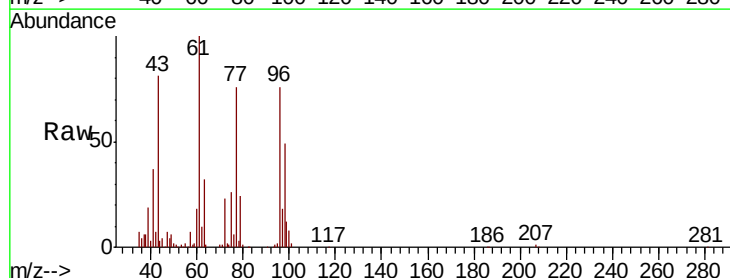
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

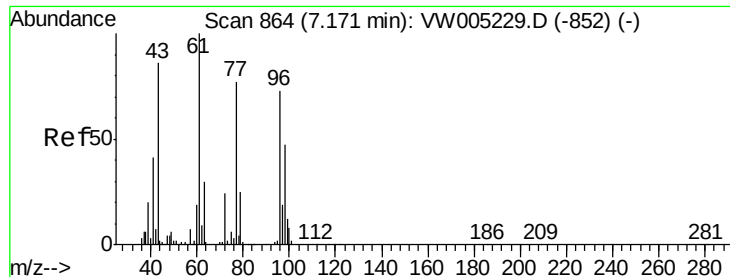
Tgt Ion: 43 Resp: 112406
Ion Ratio Lower Upper
43 100
72 30.1 22.6 33.8



#26
2,2-Dichloropropane
Concen: 17.314 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion: 77 Resp: 105965
Ion Ratio Lower Upper
77 100
97 24.5 12.3 36.9



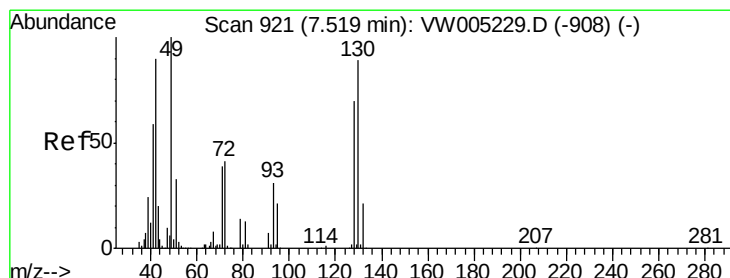
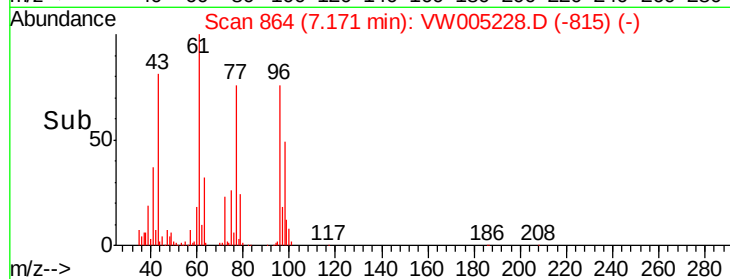
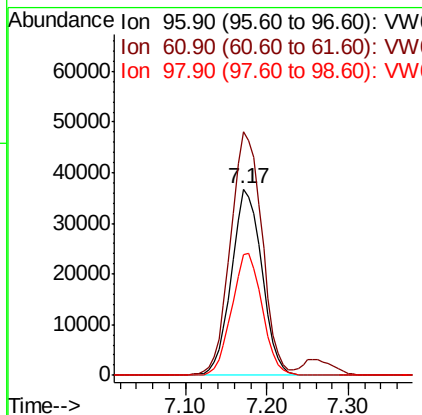
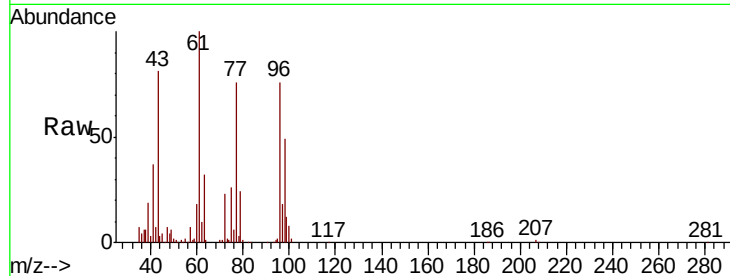


#27

cis-1,2-Dichloroethene
 Concen: 19.486 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

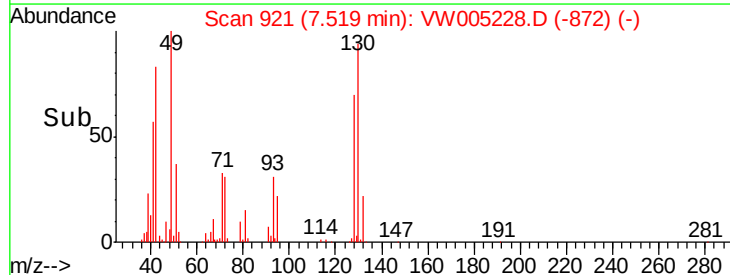
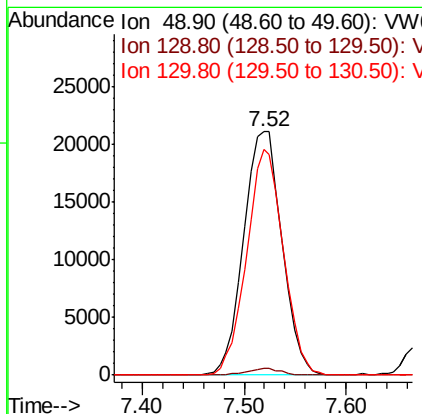
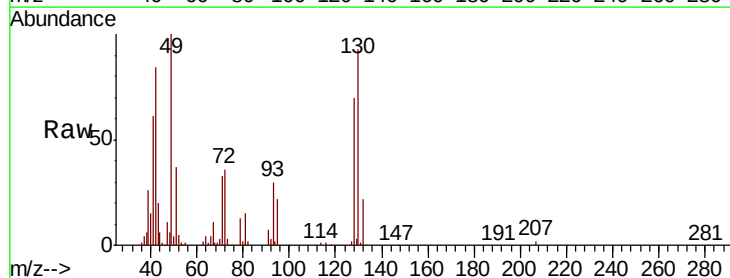
Tgt Ion: 96 Resp: 94751
 Ion Ratio Lower Upper
 96 100
 61 136.0 0.0 274.6
 98 65.3 0.0 129.6

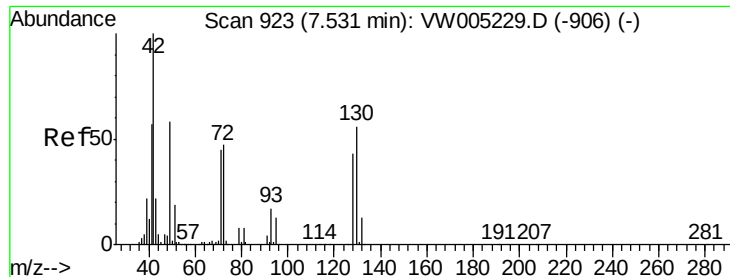


#28

Bromochloromethane
 Concen: 18.328 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion: 49 Resp: 55220
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.0
 130 88.6 70.0 105.0





#29

Tetrahydrofuran

Concen: 112.957 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

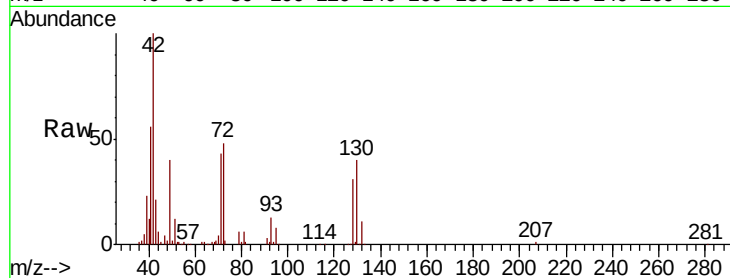
Tgt Ion: 42 Resp: 76818

Ion Ratio Lower Upper

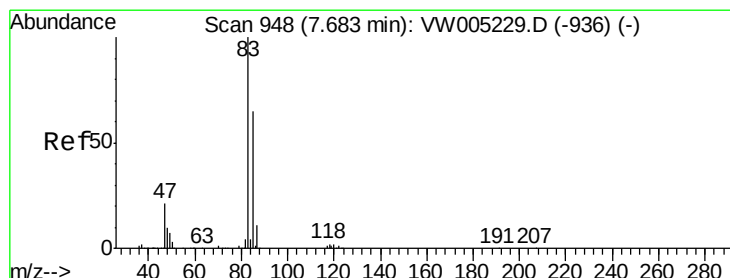
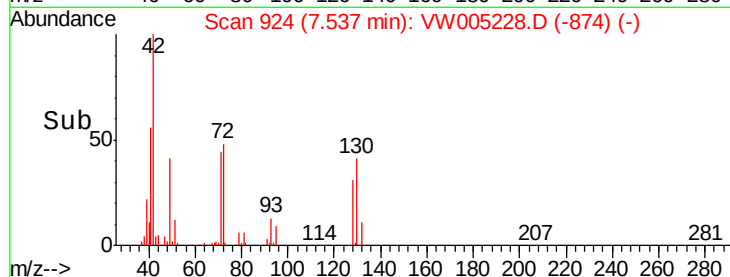
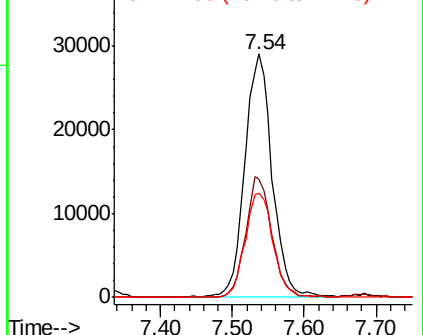
42 100

72 46.9 37.4 56.2

71 43.4 35.5 53.3



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



#30

Chloroform

Concen: 19.320 ug/l

RT: 7.68 min Scan# 948

Delta R.T. 0.00 min

Lab File: VW005228.D

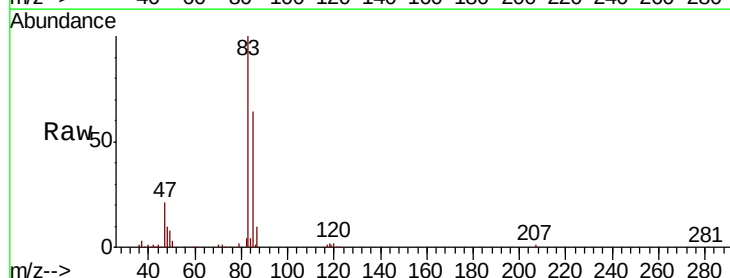
Acq: 08 Sep 2018 00:37

Tgt Ion: 83 Resp: 147852

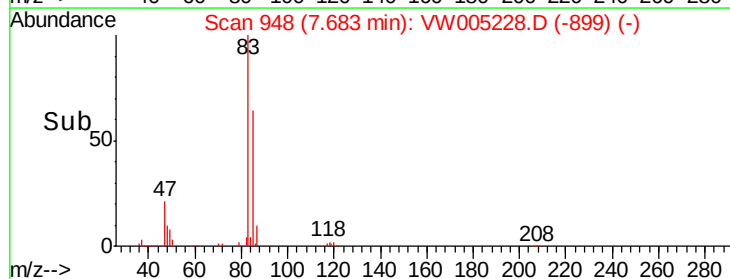
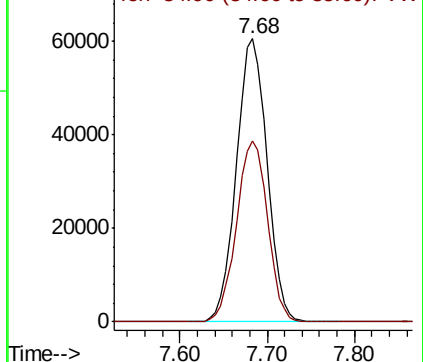
Ion Ratio Lower Upper

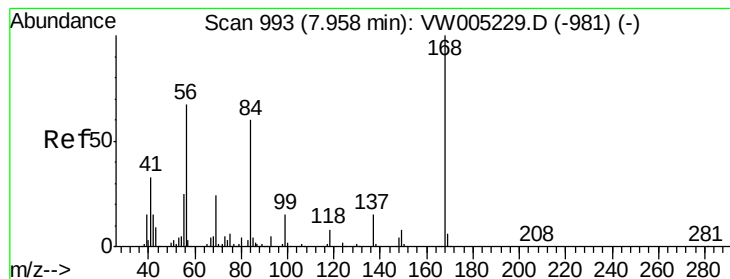
83 100

85 64.0 51.9 77.9



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





#31

Cyclohexane

Concen: 19.091 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

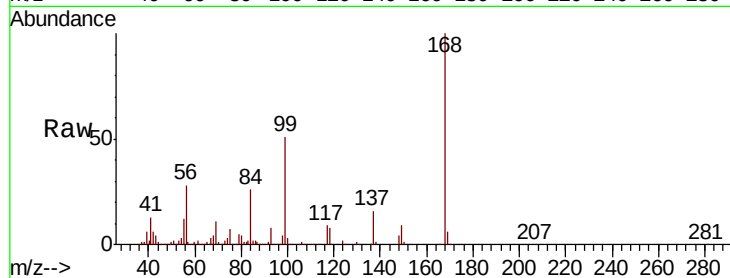
Tgt Ion: 56 Resp: 141507

Ion Ratio Lower Upper

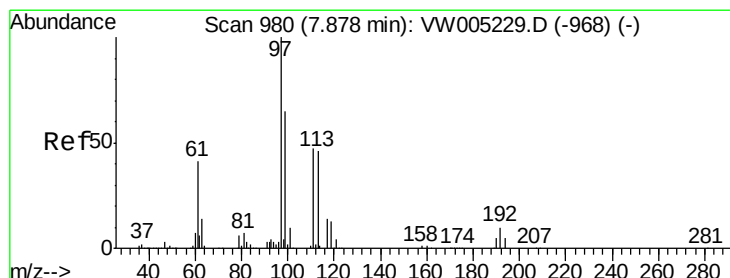
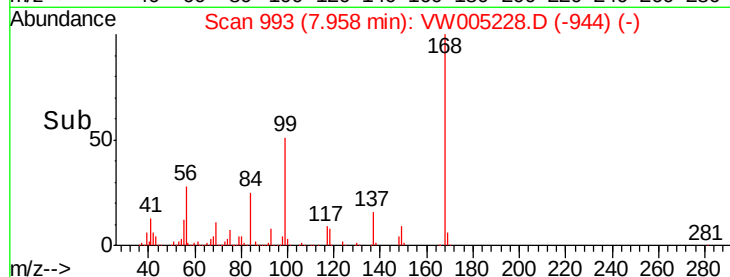
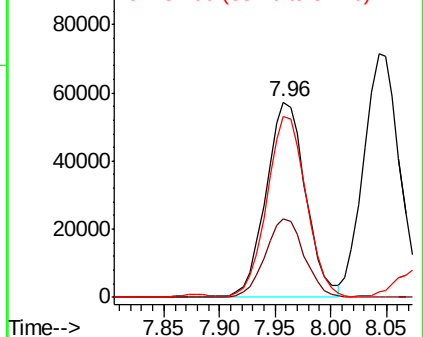
56 100

69 40.3 28.2 42.4

84 91.2 71.3 106.9



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



#32

1,1,1-Trichloroethane

Concen: 18.592 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

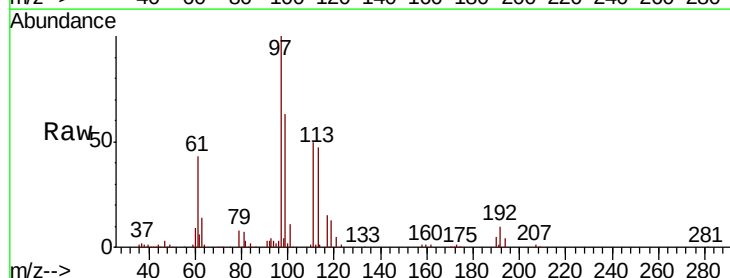
Tgt Ion: 97 Resp: 124027

Ion Ratio Lower Upper

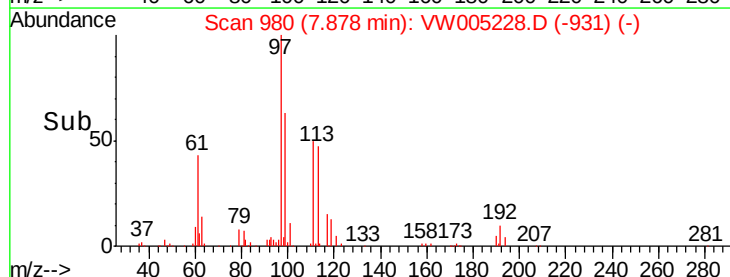
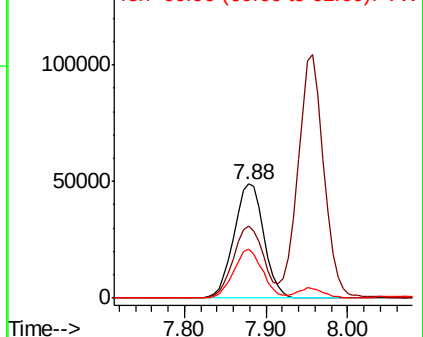
97 100

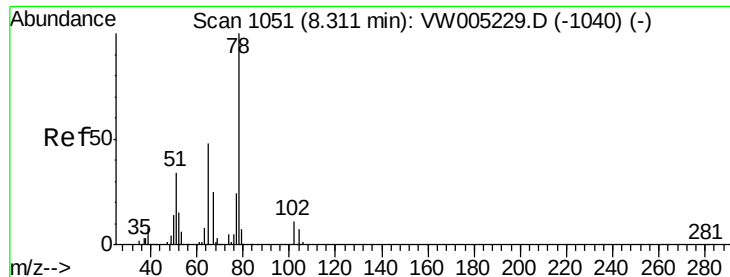
99 64.2 51.8 77.6

61 41.7 33.0 49.4



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

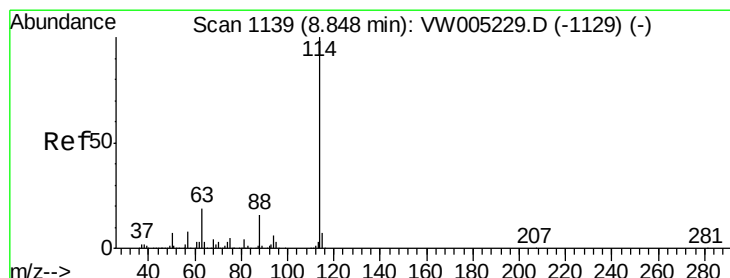
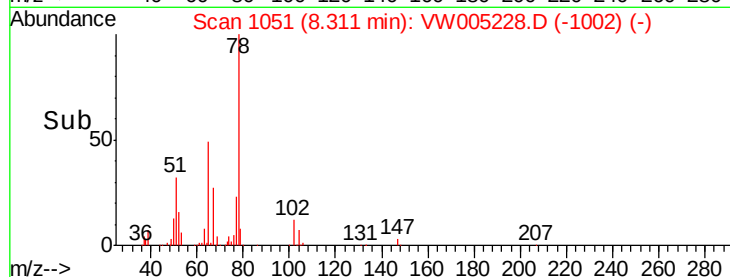
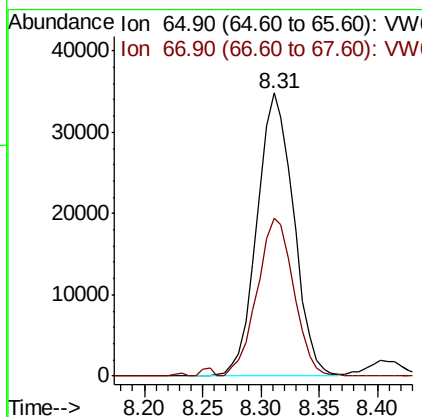
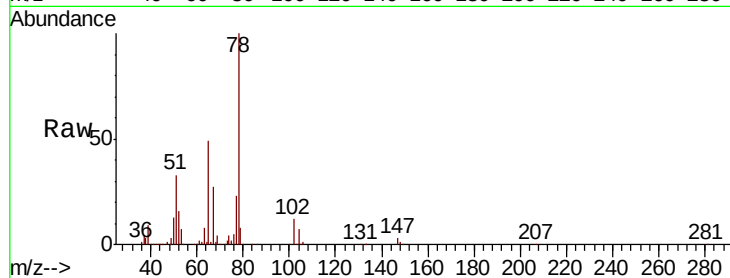




#33
 1,2-Dichloroethane-d4
 Concen: 19.810 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

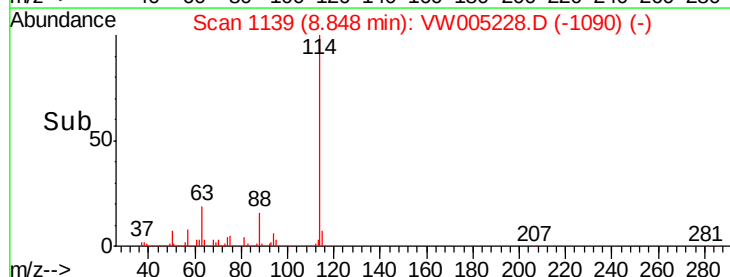
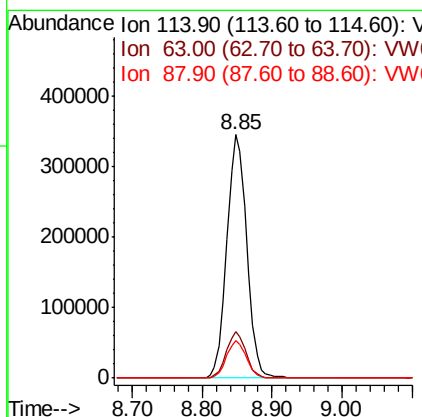
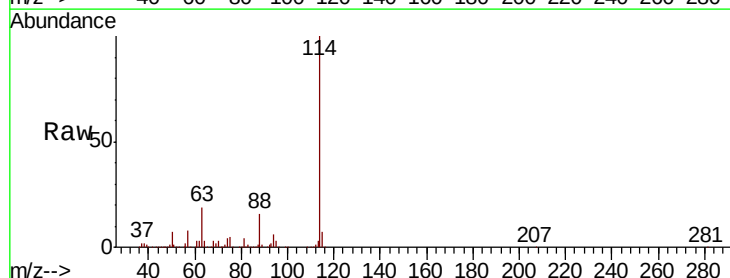
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

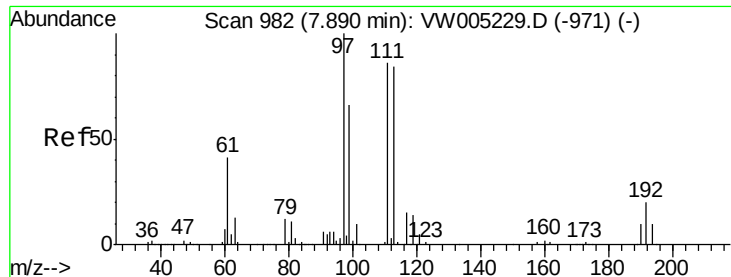
Tgt Ion: 65 Resp: 75669
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion: 114 Resp: 681817
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.8
 88 15.5 0.0 31.2

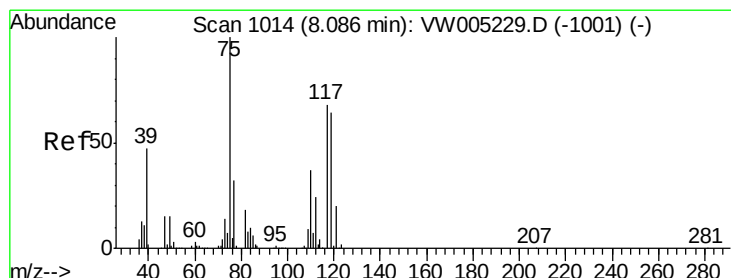
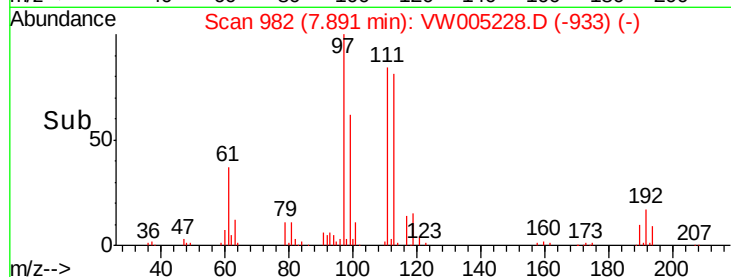
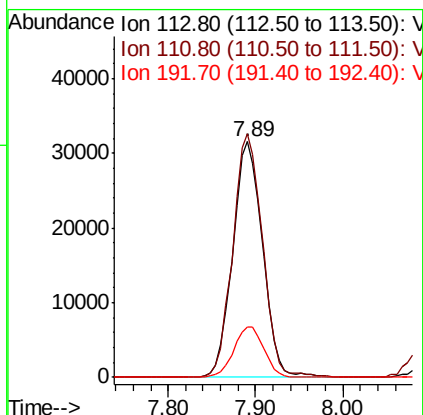
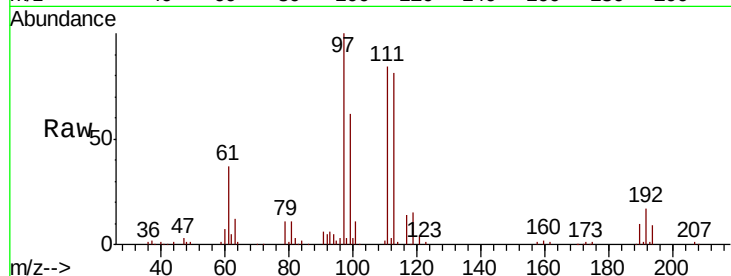




#35
 Dibromofluoromethane
 Concen: 19.086 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

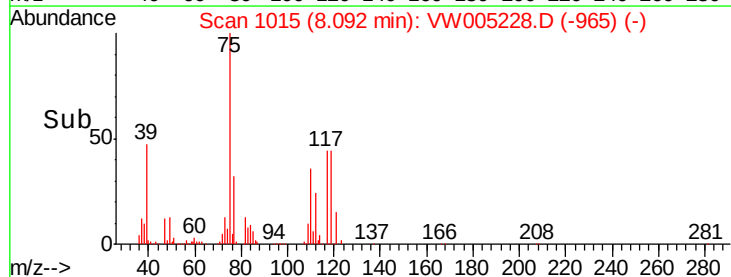
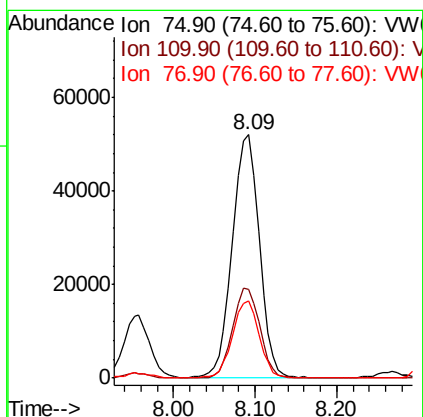
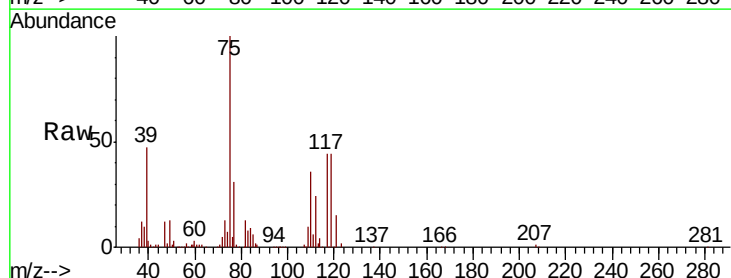
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

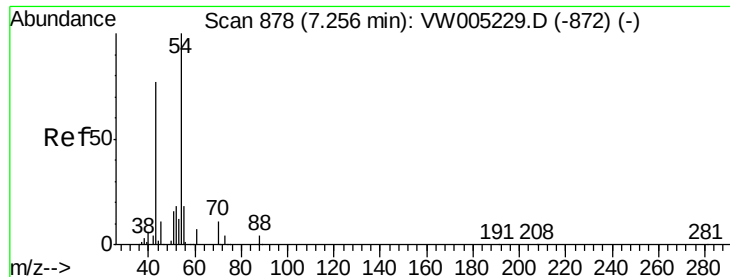
Tgt Ion:113 Resp: 74729
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.0 123.0
 192 21.7 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 18.780 ug/l
 RT: 8.09 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion: 75 Resp: 119648
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.8 56.4
 77 31.4 25.2 37.8

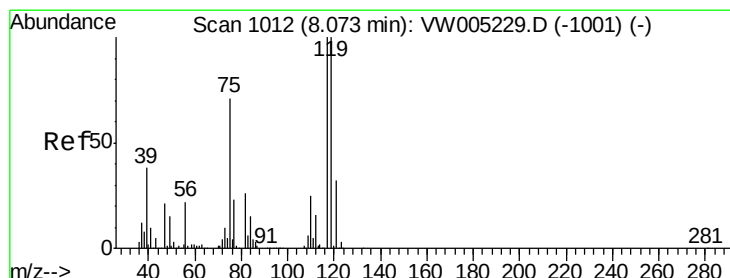
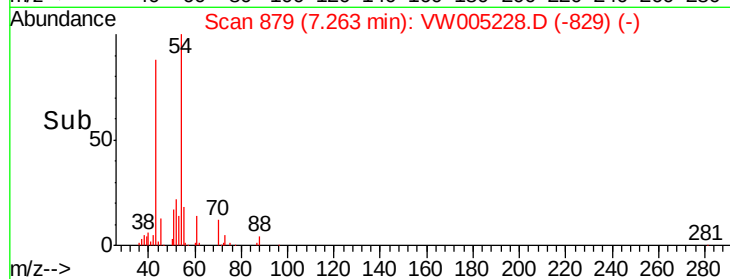
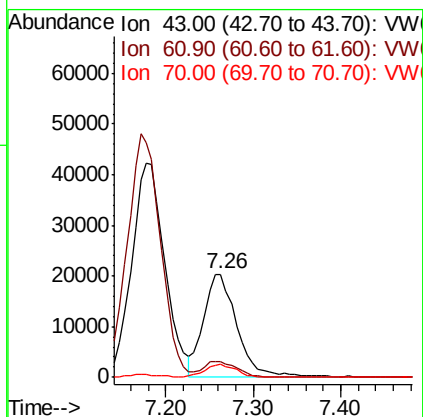
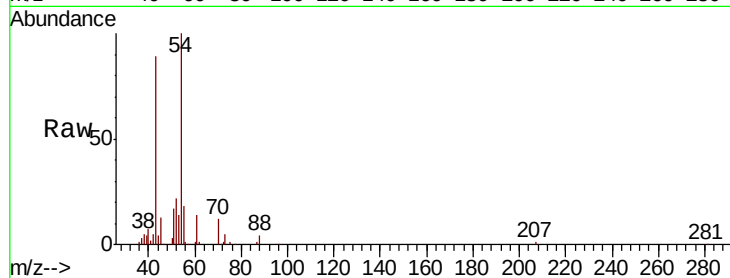




#37
 Ethyl Acetate
 Concen: 22.013 ug/l
 RT: 7.26 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

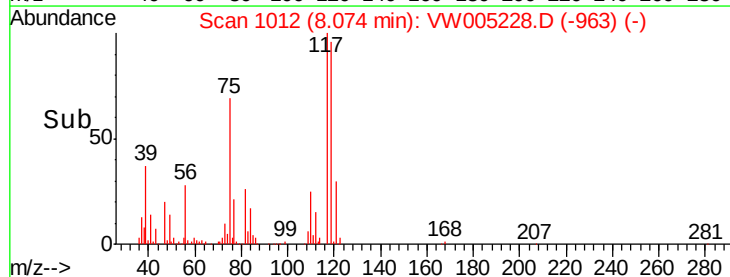
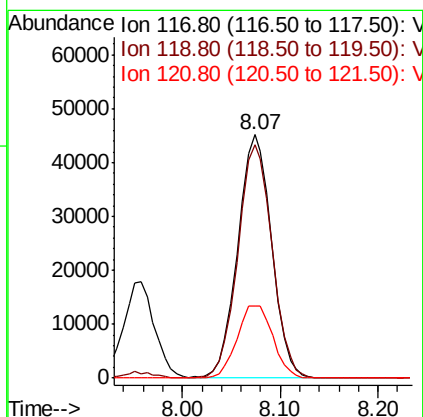
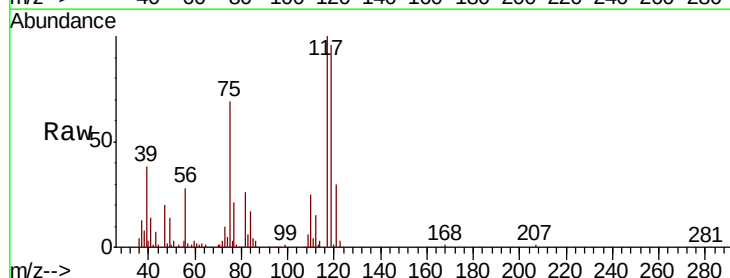
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

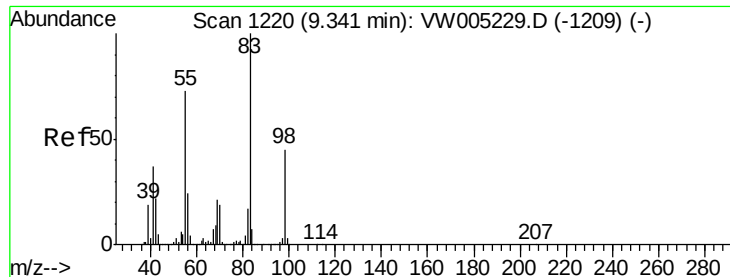
Tgt Ion: 43 Resp: 53277
 Ion Ratio Lower Upper
 43 100
 61 14.6 11.4 17.2
 70 12.2 9.6 14.4



#38
 Carbon Tetrachloride
 Concen: 18.007 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion: 117 Resp: 108700
 Ion Ratio Lower Upper
 117 100
 119 95.9 79.7 119.5
 121 29.8 25.4 38.0





#39

Methylcyclohexane

Concen: 18.187 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

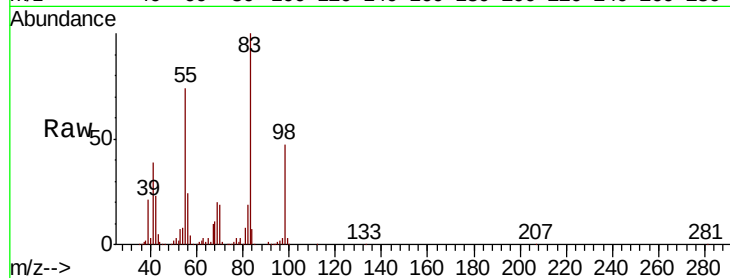
Tgt Ion: 83 Resp: 140805

Ion Ratio Lower Upper

83 100

55 74.3 58.7 88.1

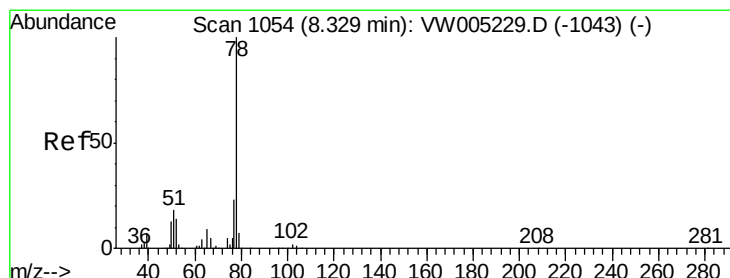
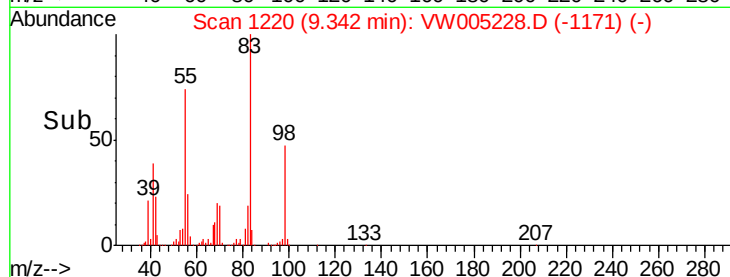
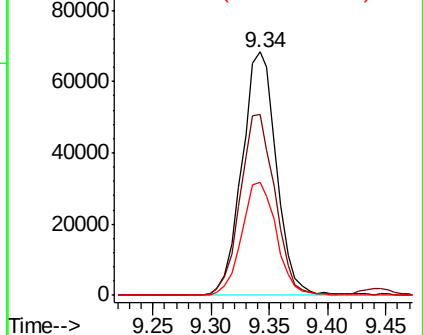
98 46.6 36.1 54.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 18.875 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW005228.D

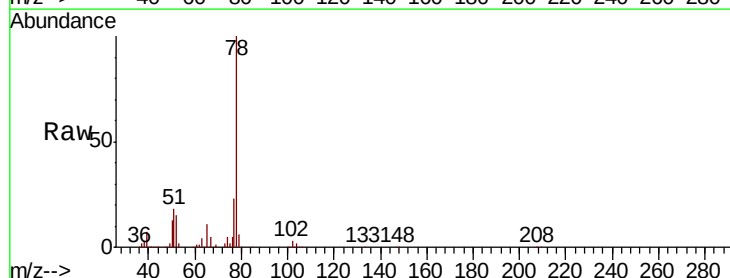
Acq: 08 Sep 2018 00:37

Tgt Ion: 78 Resp: 368528

Ion Ratio Lower Upper

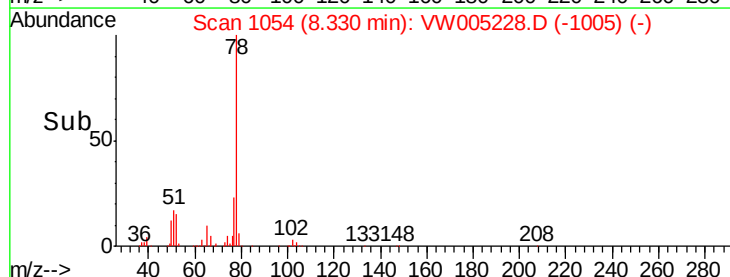
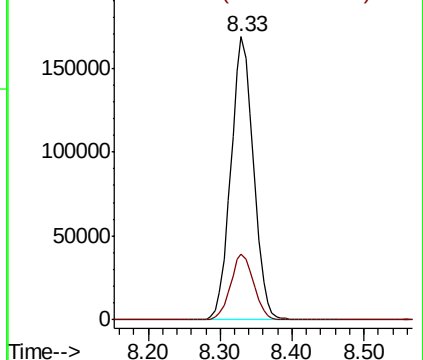
78 100

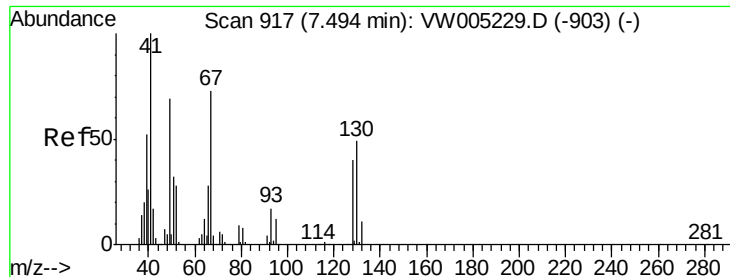
77 23.3 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

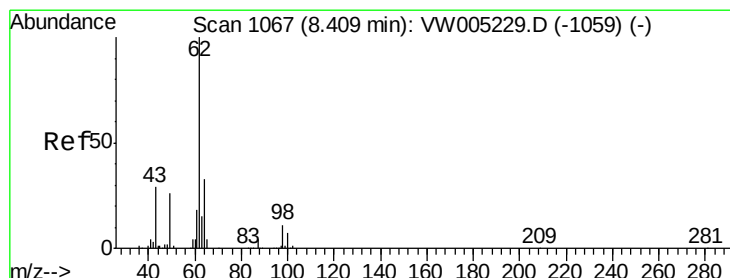
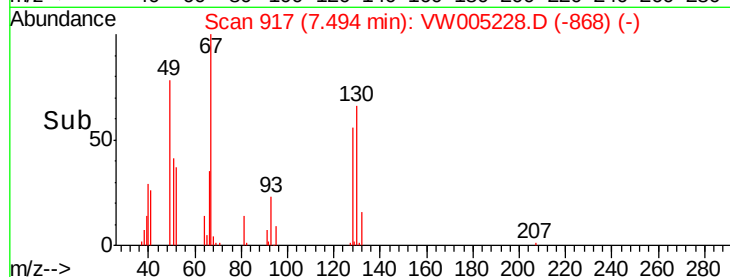
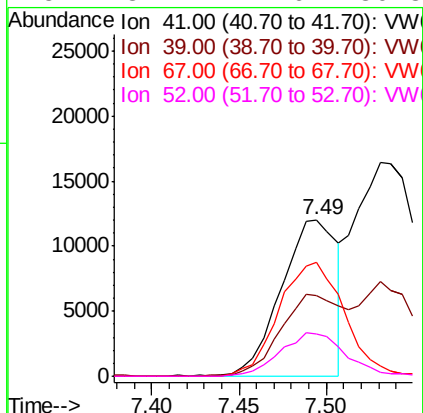
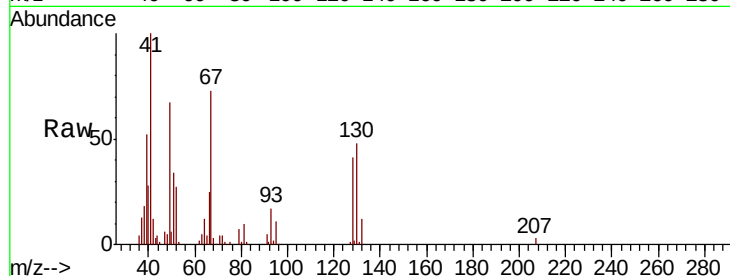




#41
Methacrylonitrile
Concen: 19.405 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

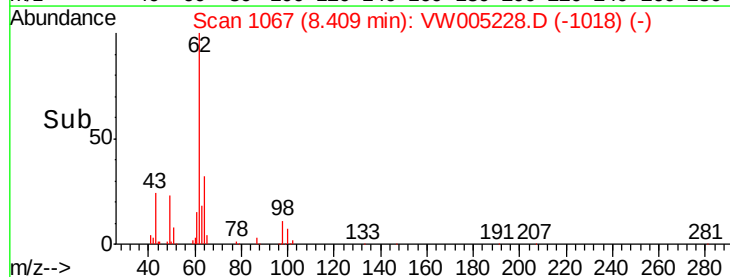
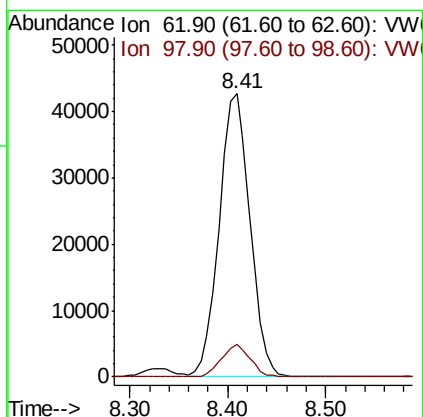
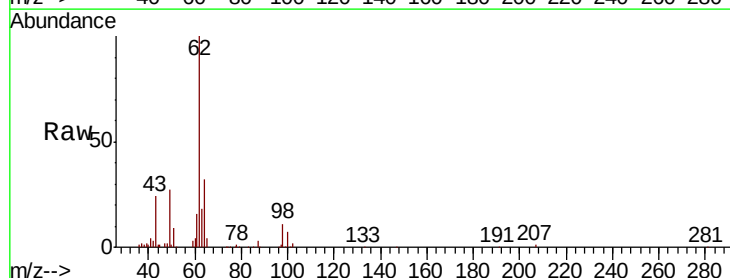
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

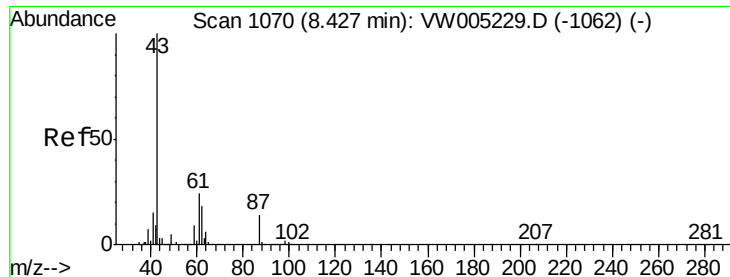
Tgt Ion:	41	Resp:	26910
Ion	Ratio	Lower	Upper
41	100		
39	59.6	40.8	61.2
67	85.3	63.6	95.4
52	32.7	24.6	36.8



#42
1,2-Dichloroethane
Concen: 19.544 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion:	62	Resp:	93268
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0





#43

Isopropyl Acetate

Concen: 21.359 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

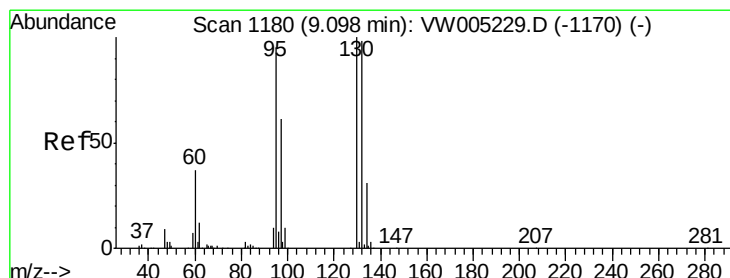
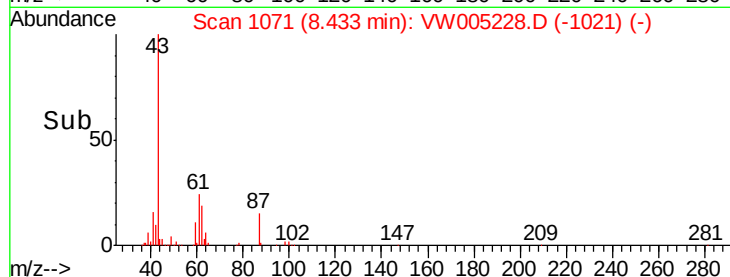
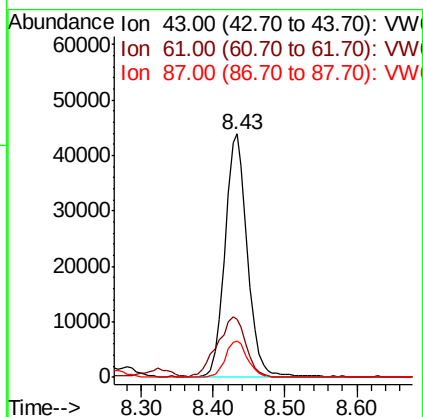
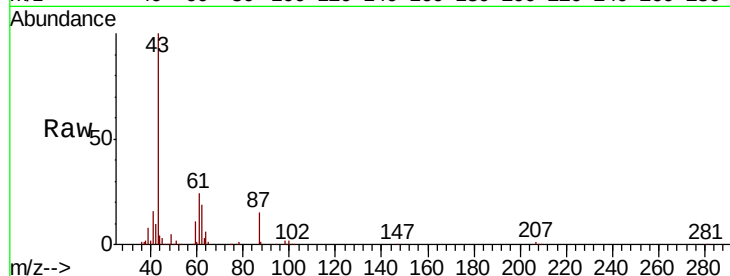
Tgt Ion: 43 Resp: 94384

Ion Ratio Lower Upper

43 100

61 32.6 26.6 39.8

87 15.0 12.2 18.2



#44

Trichloroethene

Concen: 18.946 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW005228.D

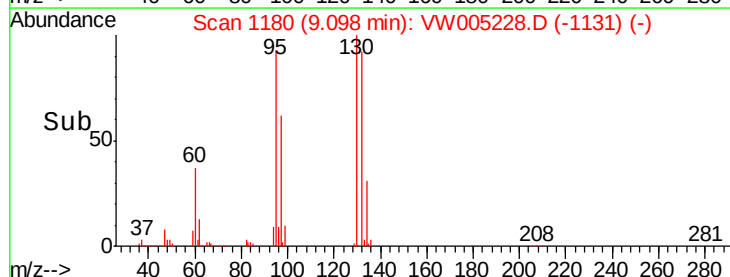
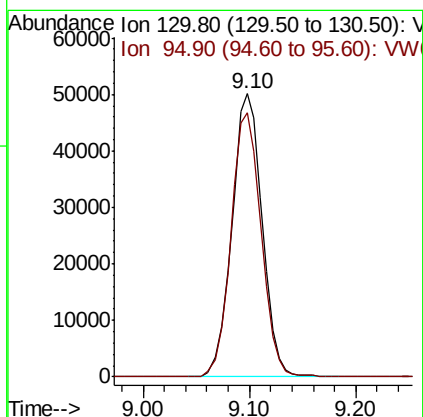
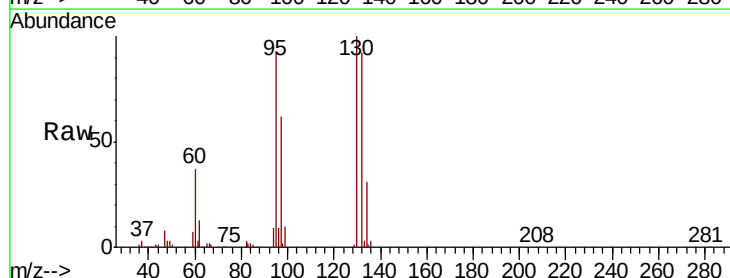
Acq: 08 Sep 2018 00:37

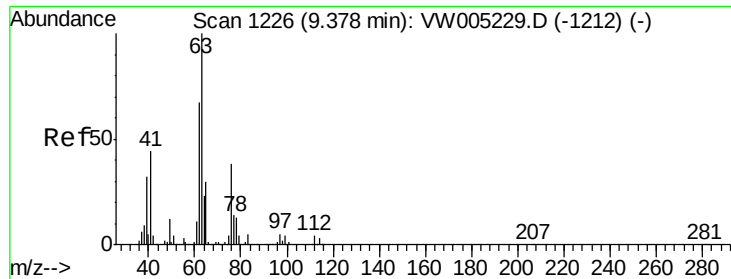
Tgt Ion: 130 Resp: 99616

Ion Ratio Lower Upper

130 100

95 93.3 0.0 189.8

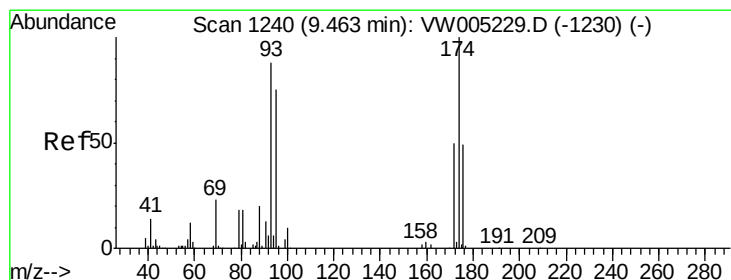
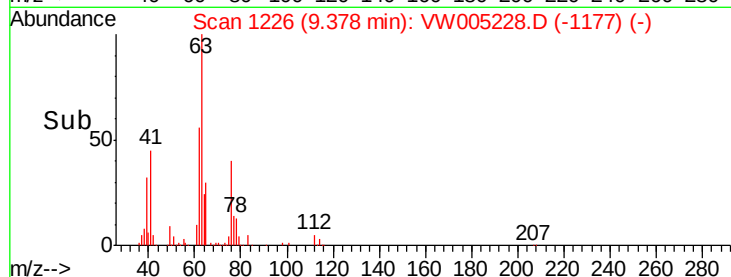
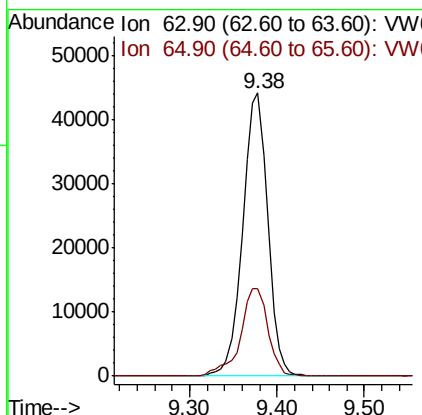
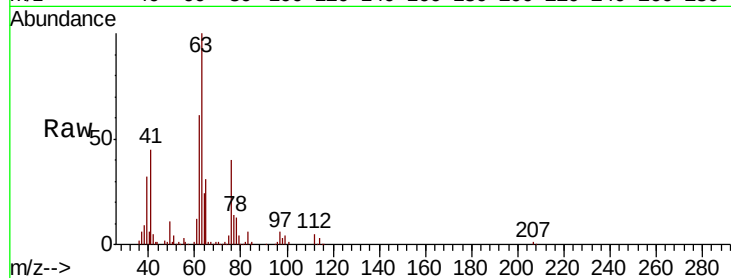




#45
 1,2-Dichloropropane
 Concen: 18.427 ug/l
 RT: 9.38 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

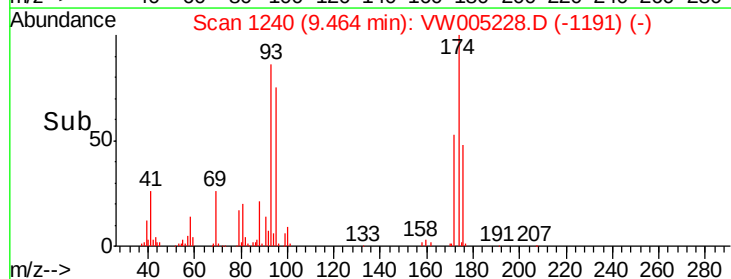
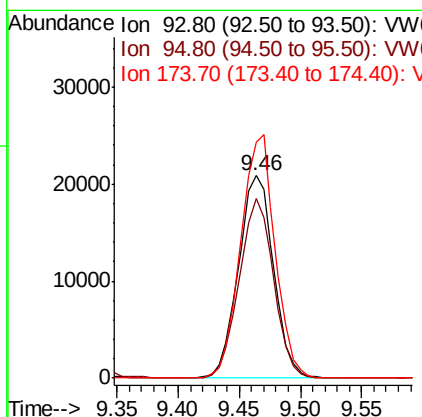
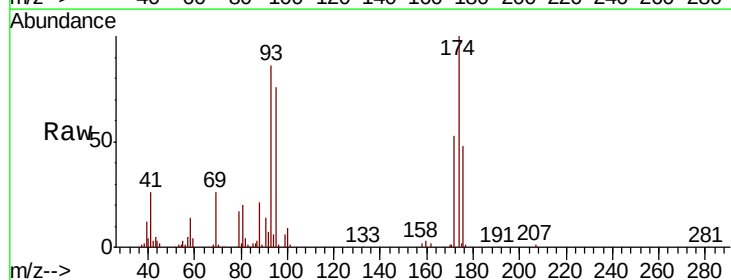
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

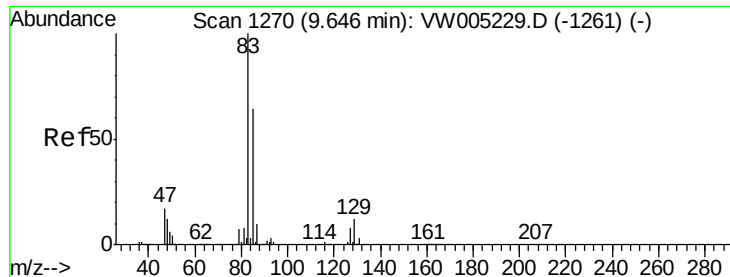
Tgt Ion: 63 Resp: 87632
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.8 35.8



#46
 Dibromomethane
 Concen: 18.303 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion: 93 Resp: 41633
 Ion Ratio Lower Upper
 93 100
 95 86.6 67.4 101.2
 174 117.5 91.9 137.9

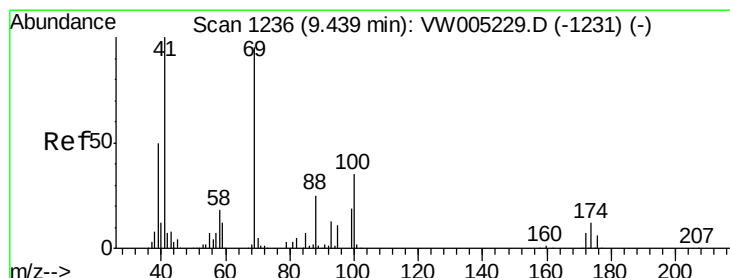
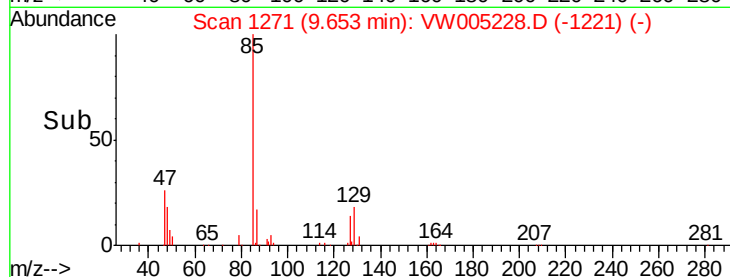
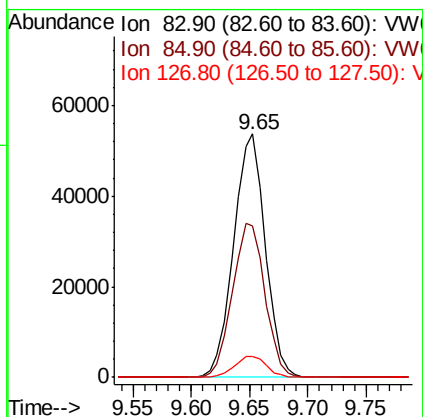
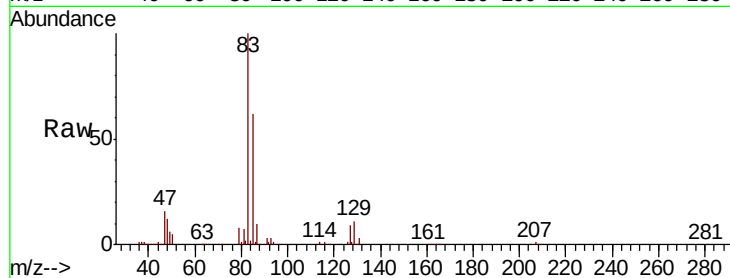




#47
Bromodichloromethane
Concen: 17.809 ug/l
RT: 9.65 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

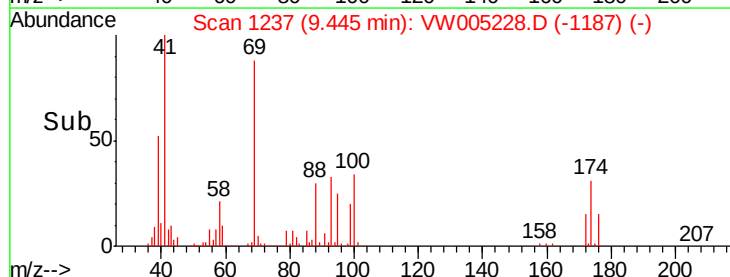
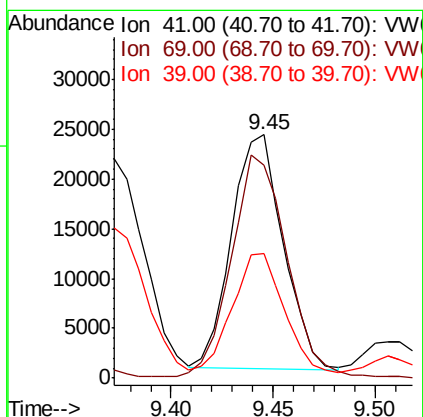
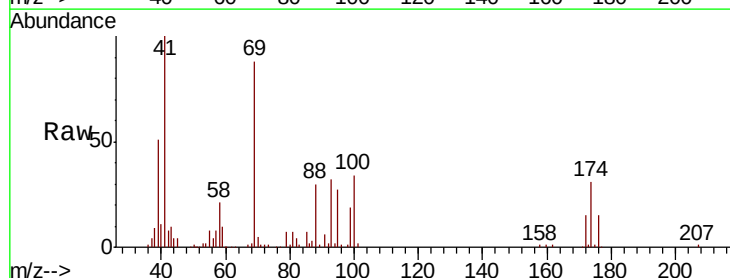
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

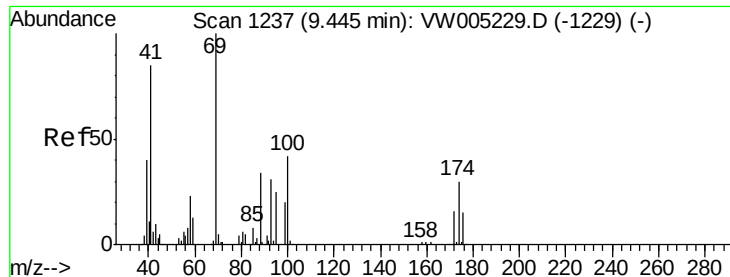
Tgt Ion: 83 Resp: 101825
Ion Ratio Lower Upper
83 100
85 62.2 51.0 76.6
127 8.8 6.7 10.1



#48
Methyl methacrylate
Concen: 19.201 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion: 41 Resp: 41496
Ion Ratio Lower Upper
41 100
69 102.5 73.6 110.4
39 55.3 36.9 55.3#

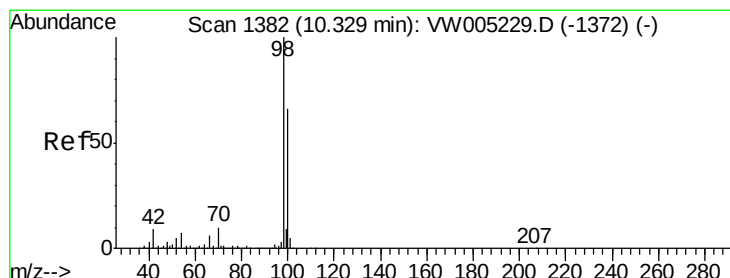
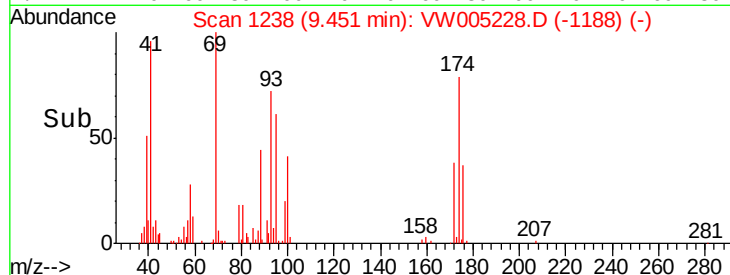
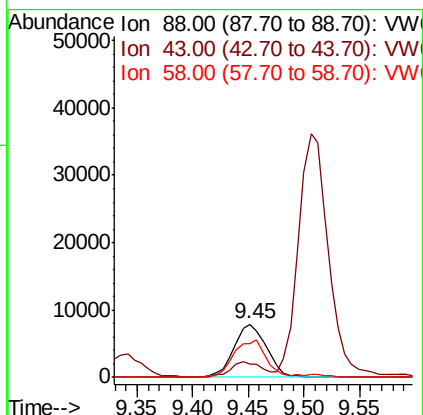
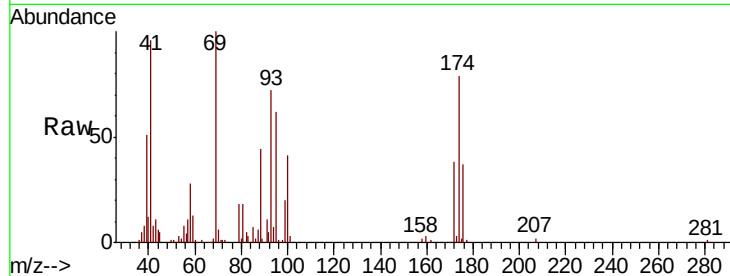




#49
1,4-Dioxane
Concen: 432.069 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

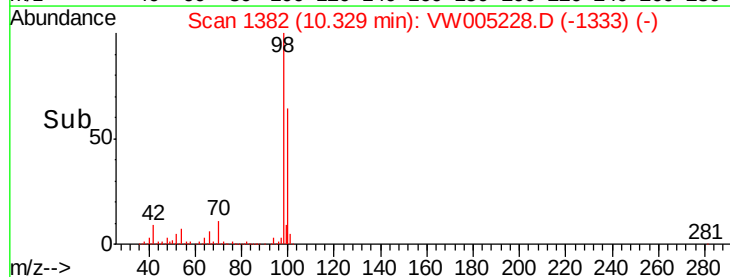
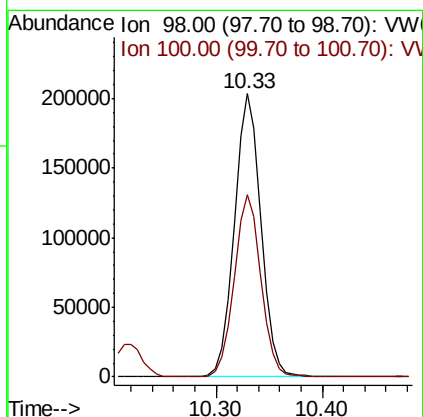
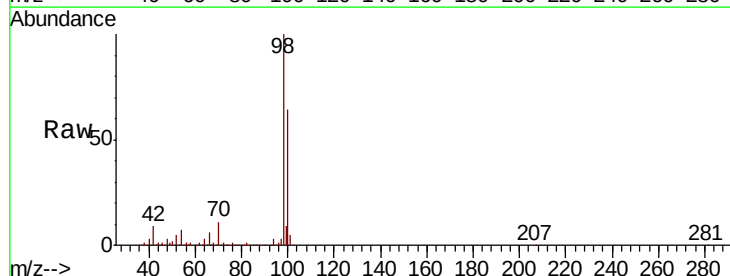
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

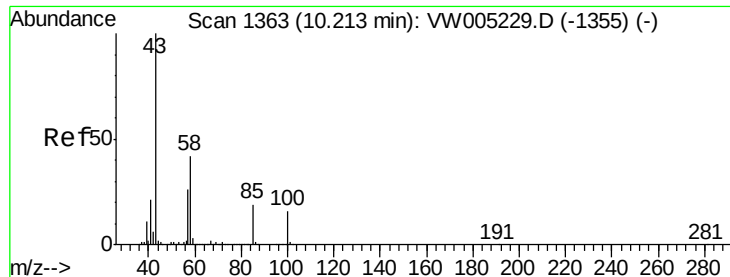
Tgt Ion: 88 Resp: 16148
Ion Ratio Lower Upper
88 100
43 26.0 22.1 33.1
58 69.9 53.8 80.6



#50
Toluene-d8
Concen: 19.625 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion: 98 Resp: 356620
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 89.560 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

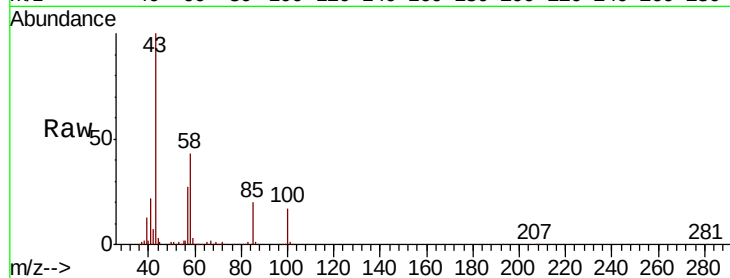
VSTDIC020

Tgt Ion: 43 Resp: 256189

Ion Ratio Lower Upper

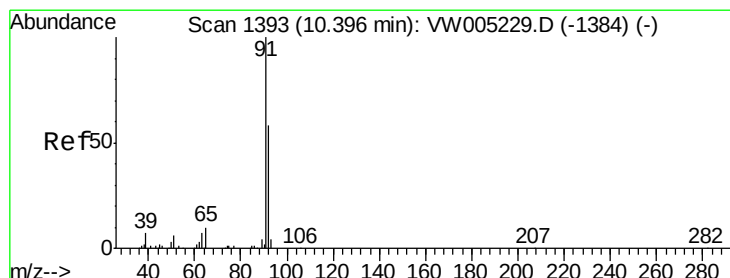
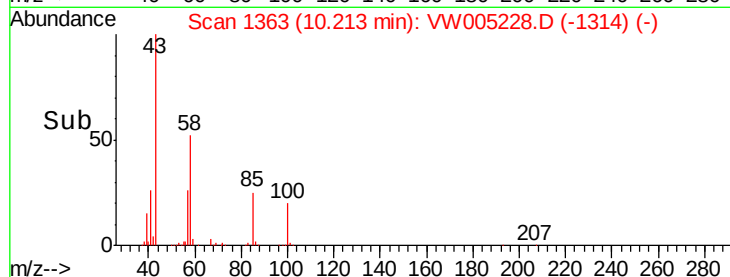
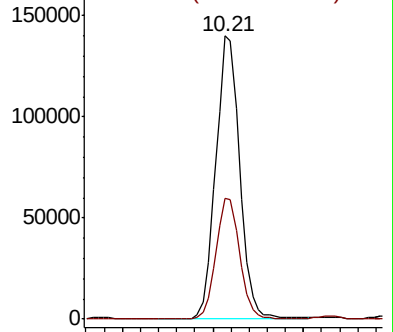
43 100

58 42.6 33.3 49.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 19.773 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW005228.D

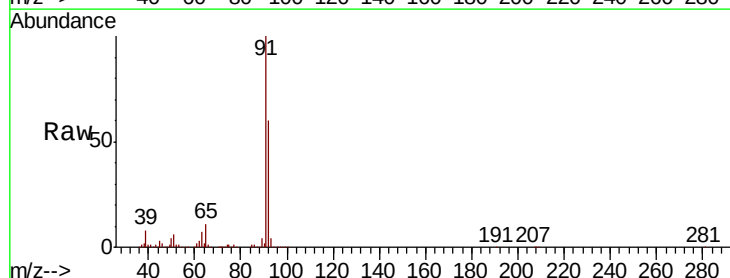
Acq: 08 Sep 2018 00:37

Tgt Ion: 92 Resp: 261648

Ion Ratio Lower Upper

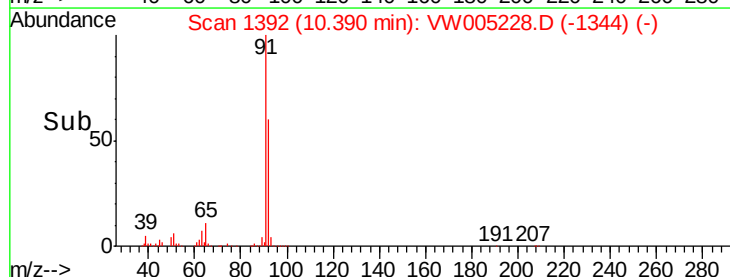
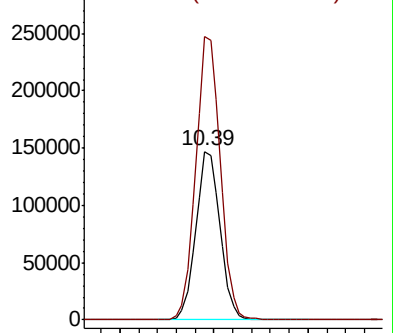
92 100

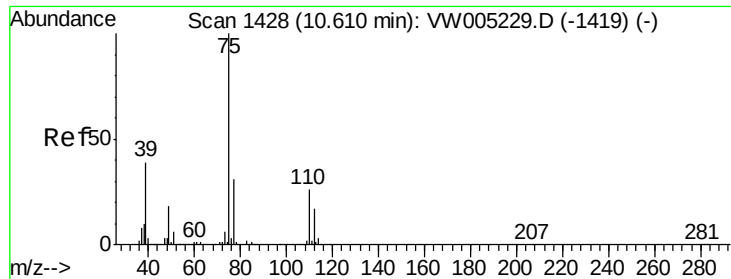
91 171.0 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 19.511 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

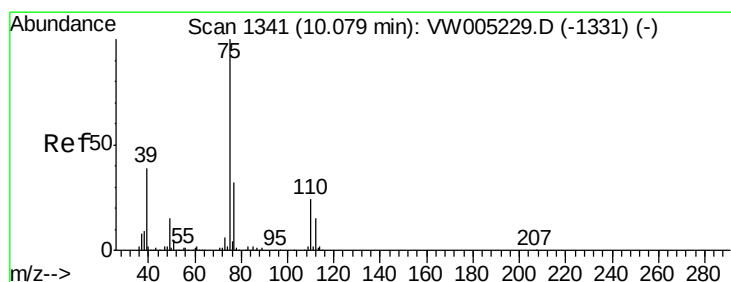
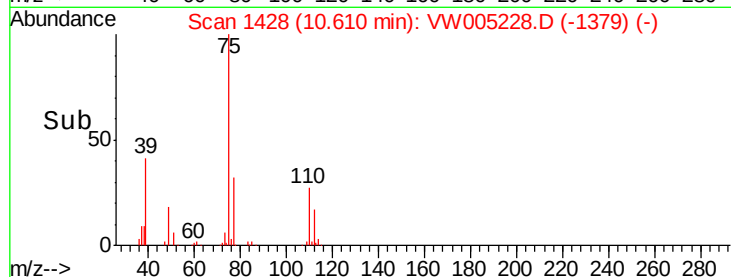
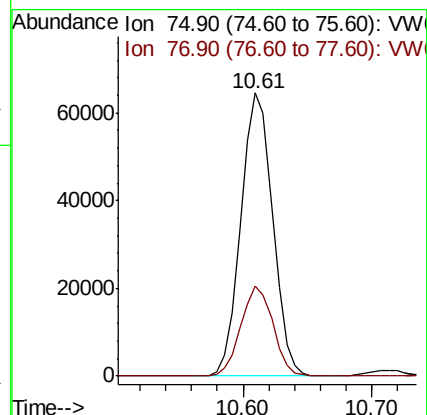
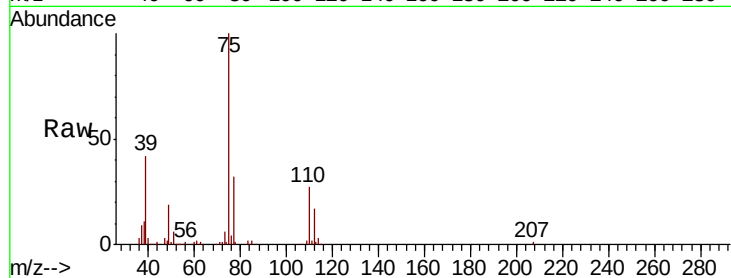
VSTDIC020

Tgt Ion: 75 Resp: 110483

Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 19.699 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

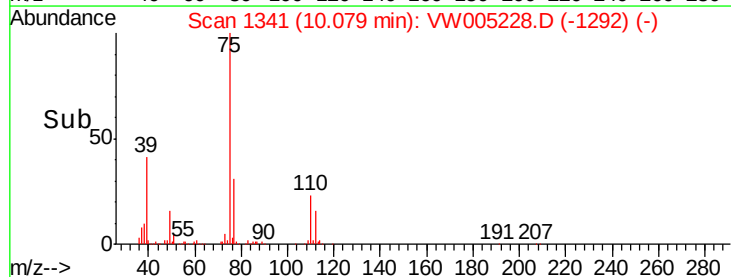
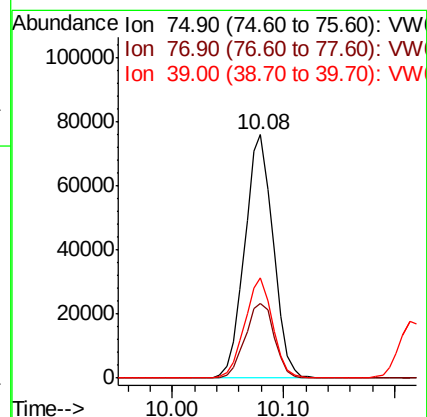
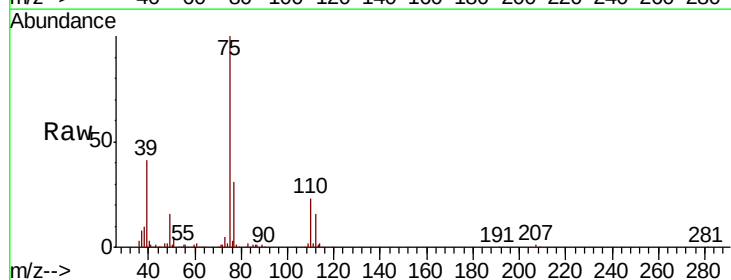
Tgt Ion: 75 Resp: 134860

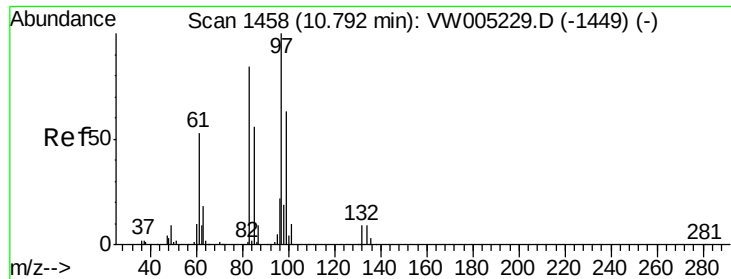
Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 41.1 31.2 46.8





#55

1,1,2-Trichloroethane

Concen: 20.070 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 71051

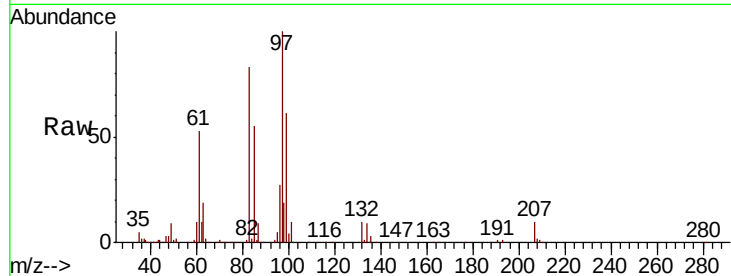
Ion Ratio Lower Upper

97 100

83 82.9 67.4 101.0

85 55.3 44.6 66.8

99 61.3 50.1 75.1



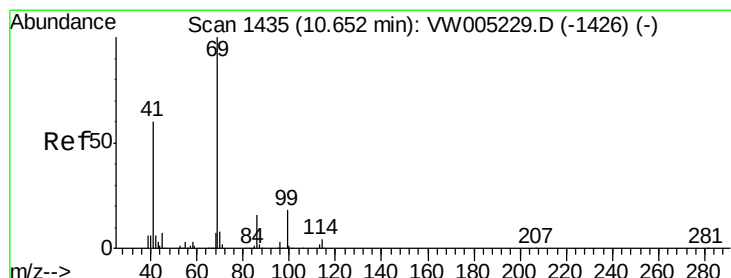
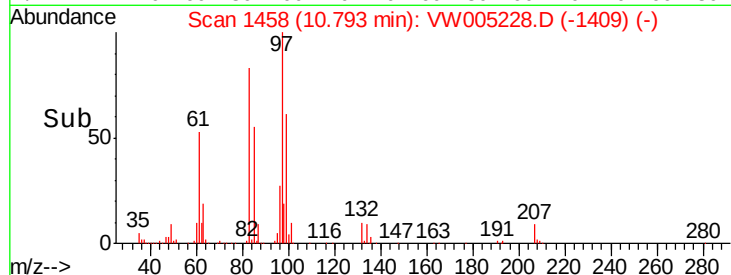
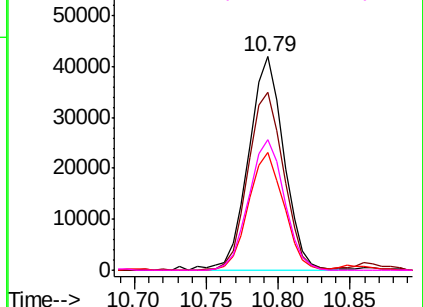
Abundance

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: 20.946 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

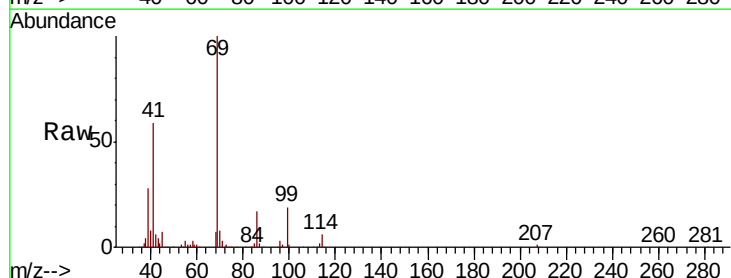
Tgt Ion: 69 Resp: 86164

Ion Ratio Lower Upper

69 100

41 60.2 47.9 71.9

39 25.5 20.9 31.3

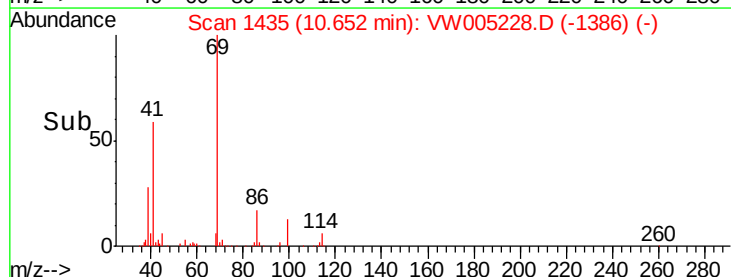
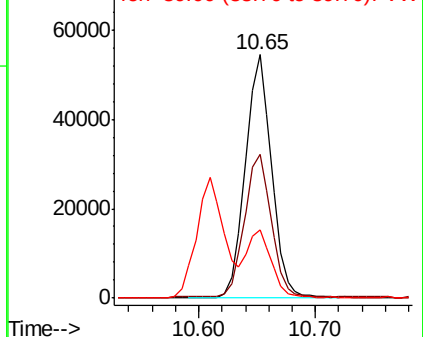


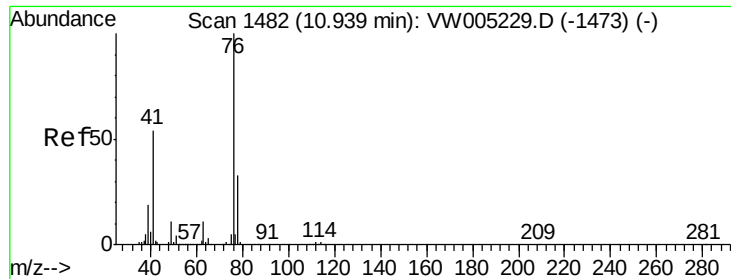
Abundance

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

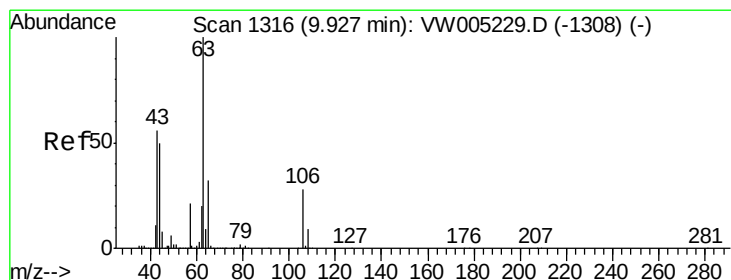
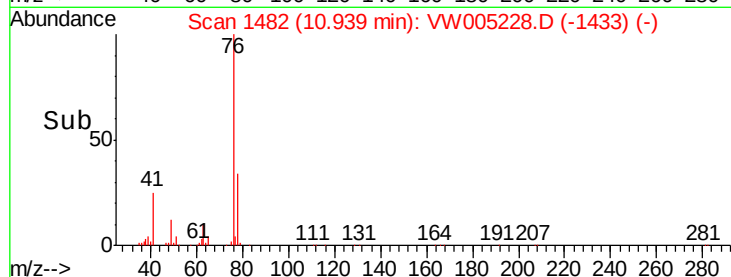
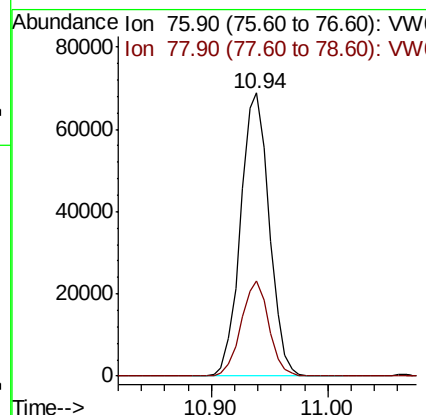
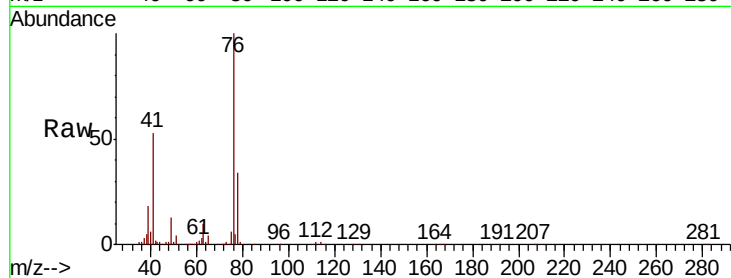




#57
 1,3-Dichloropropane
 Concen: 20.231 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

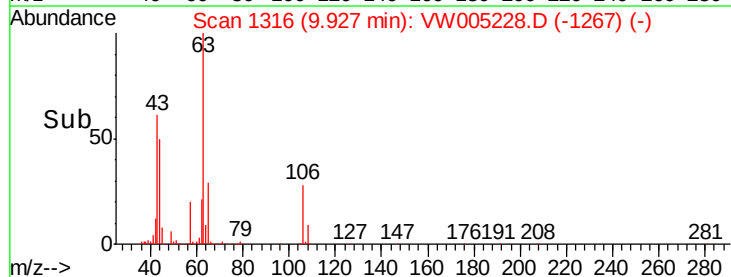
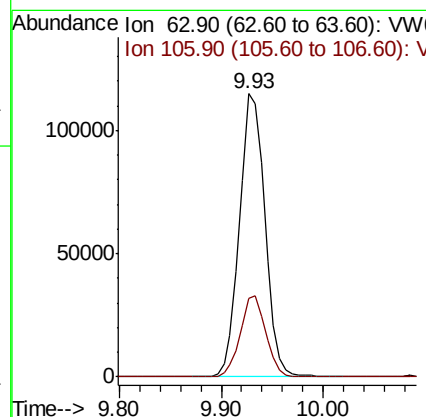
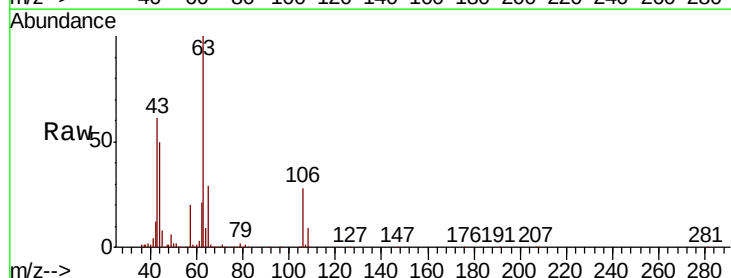
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

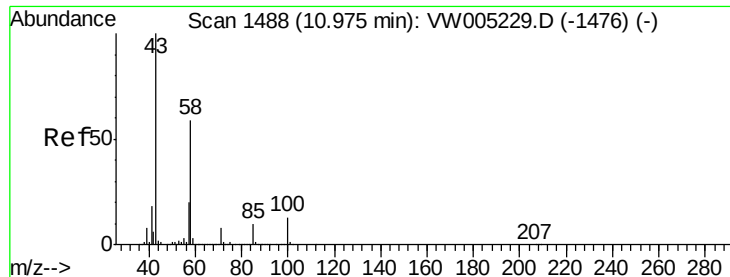
Tgt Ion: 76 Resp: 118426
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.419 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion: 63 Resp: 198247
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.3 34.9





#59

2-Hexanone

Concen: 91.455 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

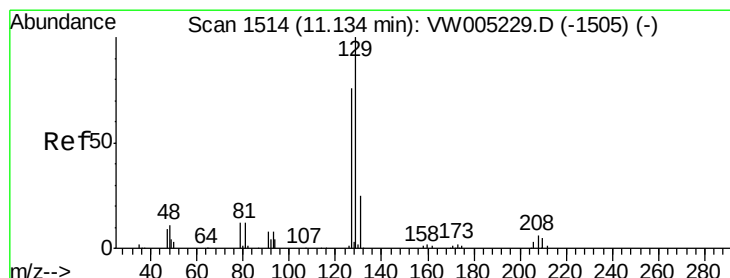
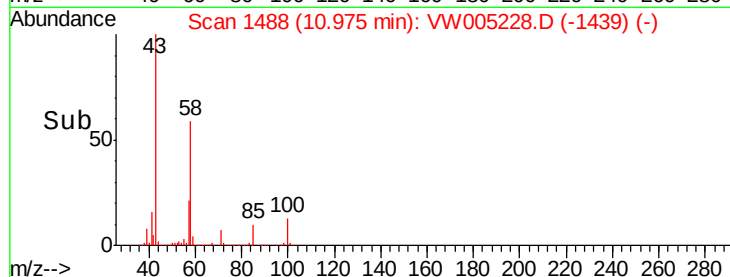
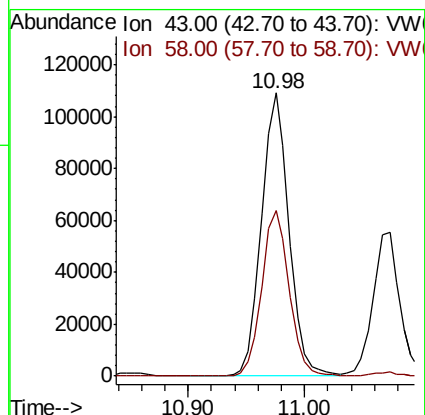
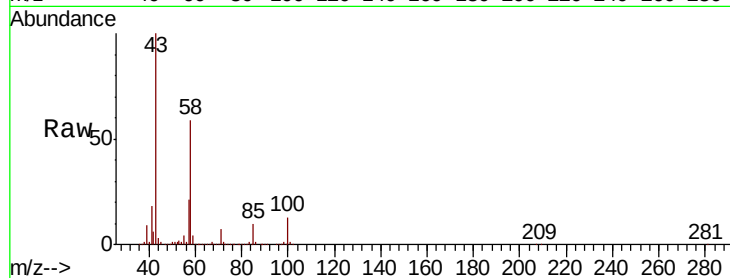
VSTDIC020

Tgt Ion: 43 Resp: 177738

Ion Ratio Lower Upper

43 100

58 58.7 29.2 87.6



#60

Dibromochloromethane

Concen: 19.522 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW005228.D

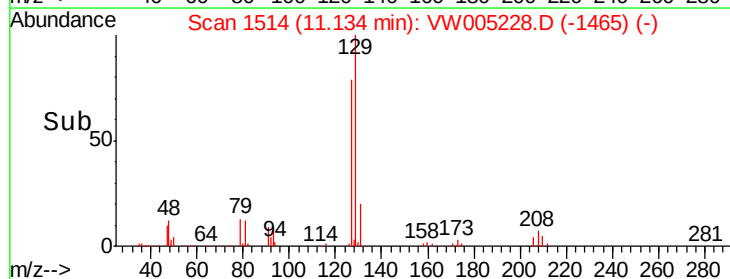
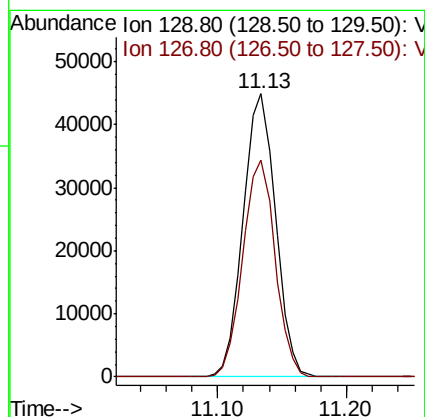
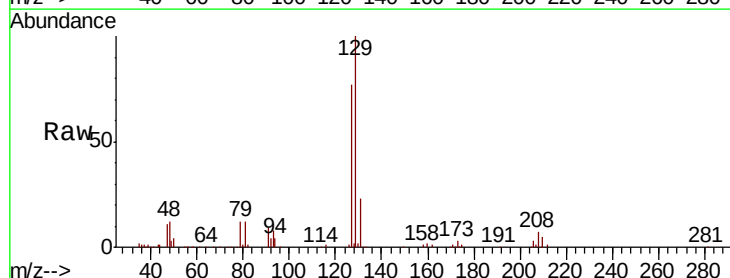
Acq: 08 Sep 2018 00:37

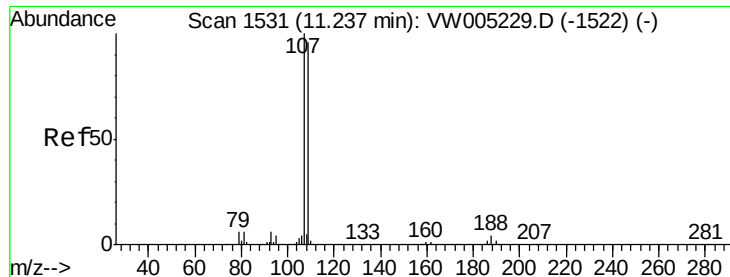
Tgt Ion: 129 Resp: 78155

Ion Ratio Lower Upper

129 100

127 76.2 38.7 116.1

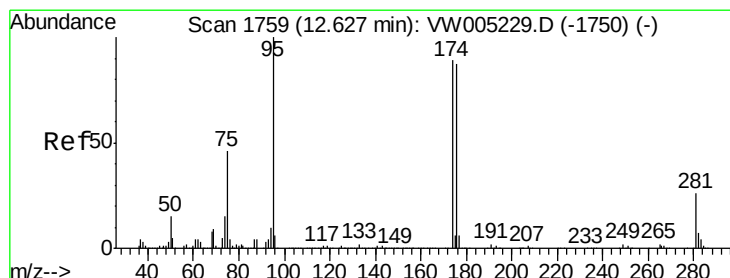
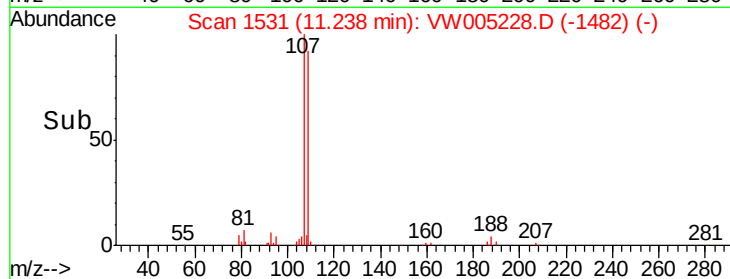
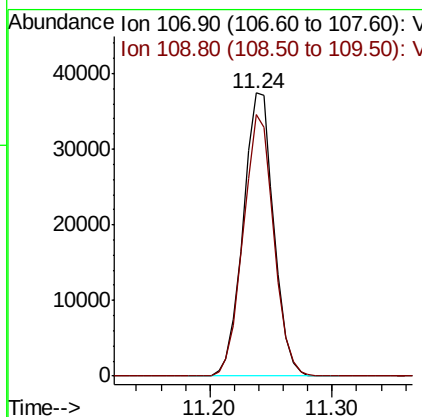
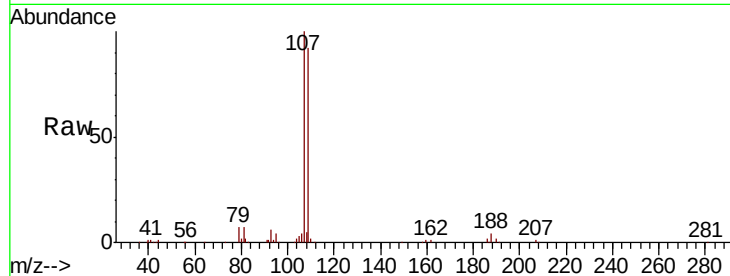




#61
 1,2-Dibromoethane
 Concen: 20.209 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

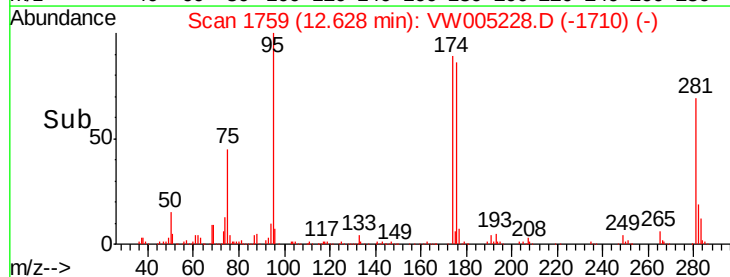
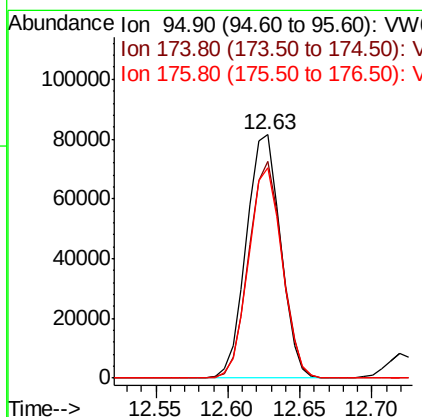
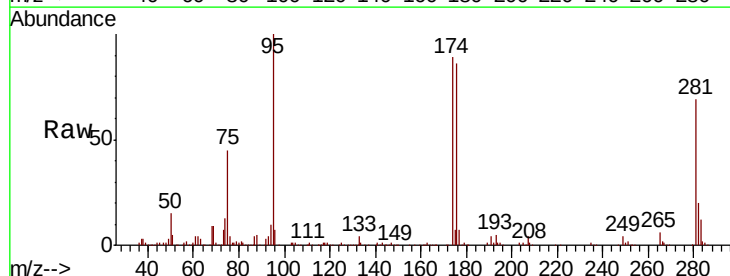
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

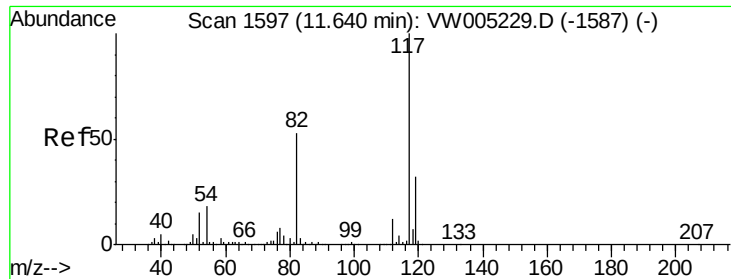
Tgt Ion: 107 Resp: 64992
 Ion Ratio Lower Upper
 107 100
 109 92.2 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 20.742 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion: 95 Resp: 133638
 Ion Ratio Lower Upper
 95 100
 174 86.8 0.0 173.2
 176 85.2 0.0 167.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

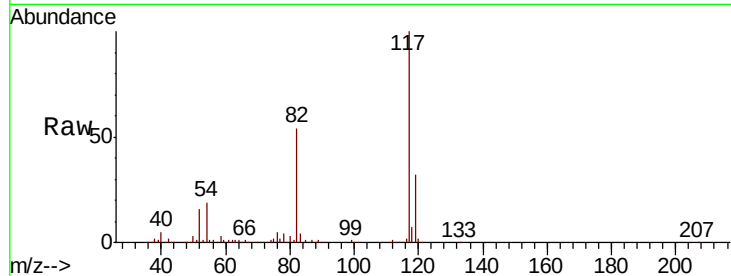
Tgt Ion:117 Resp: 691047

Ion Ratio Lower Upper

117 100

82 53.9 42.3 63.5

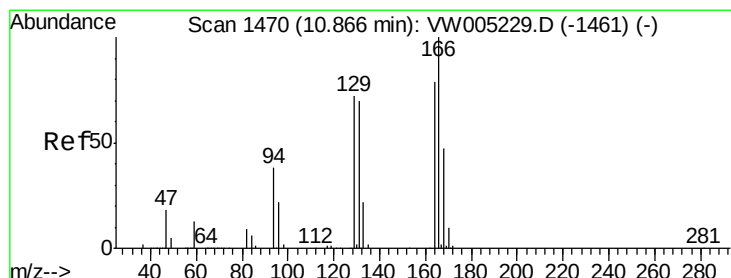
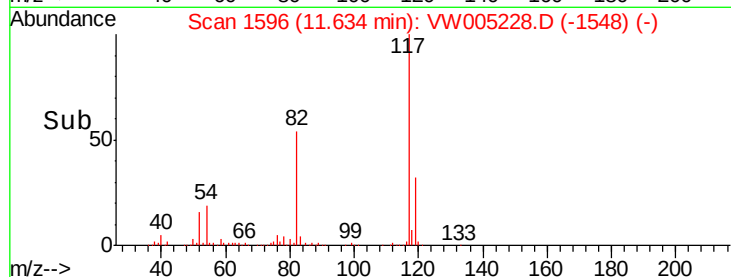
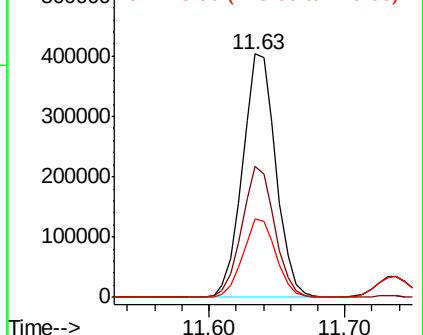
119 32.1 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.008 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Tgt Ion:164 Resp: 102592

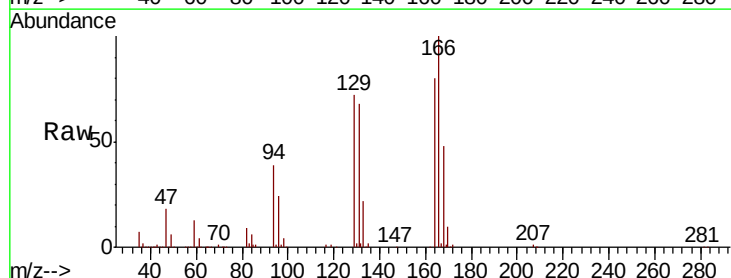
Ion Ratio Lower Upper

164 100

166 124.6 101.0 151.6

129 89.7 73.0 109.4

131 84.8 71.0 106.6

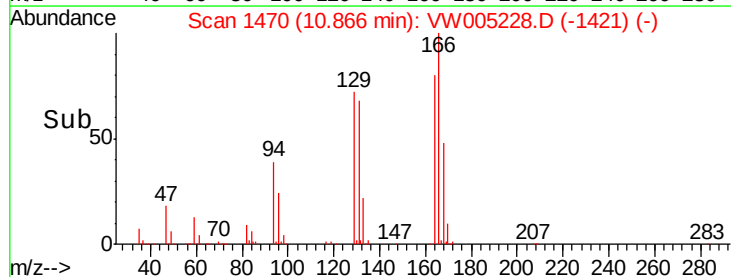
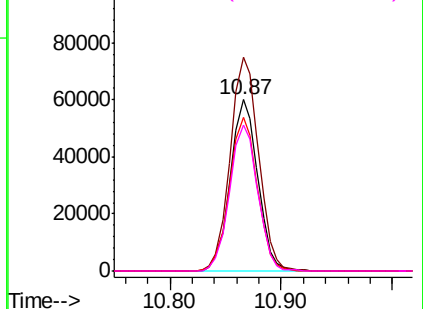


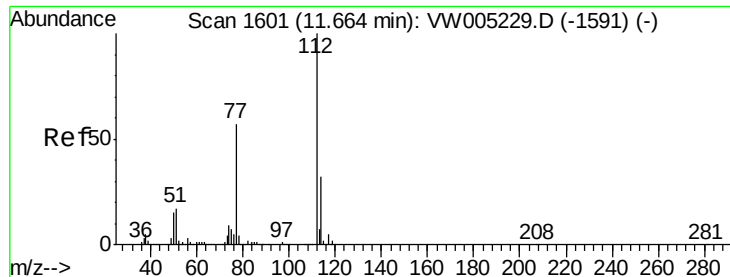
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

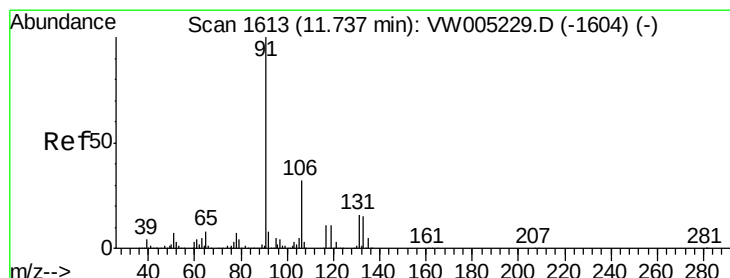
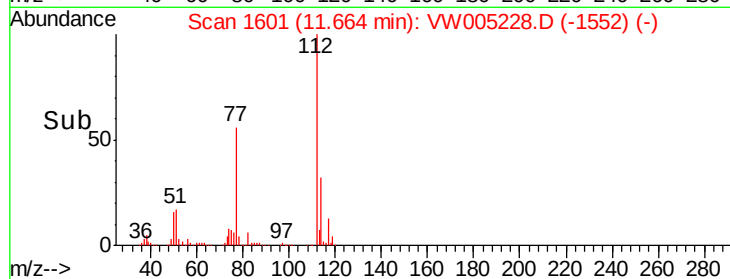
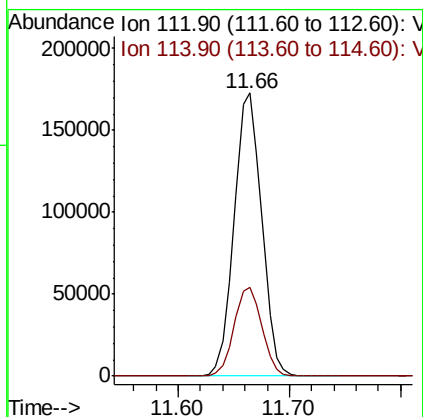
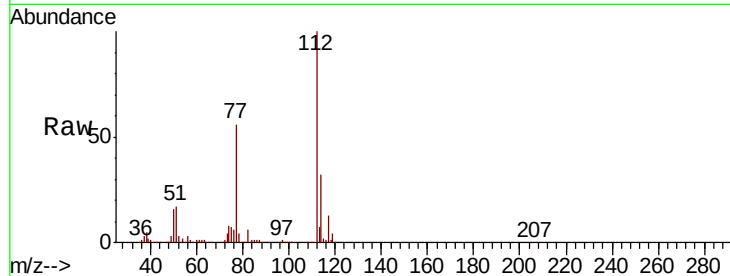




#65
Chlorobenzene
Concen: 19.286 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

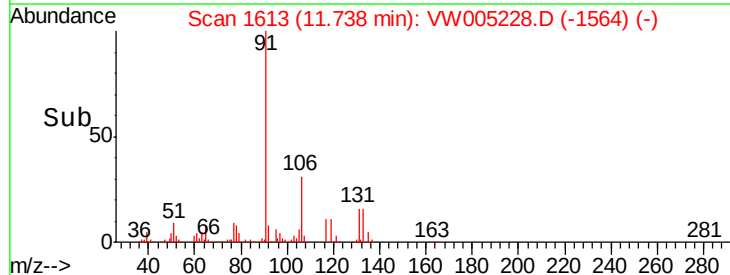
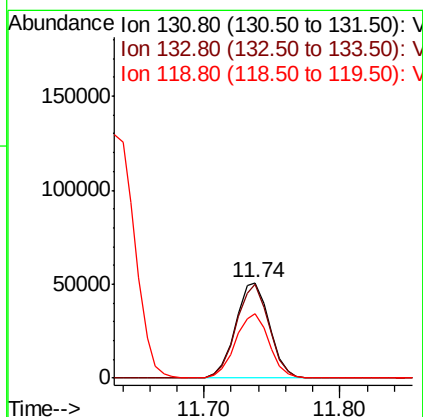
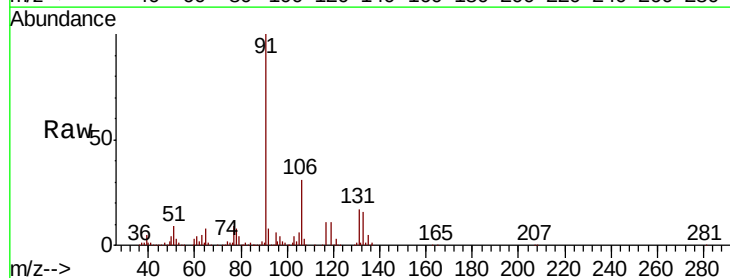
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

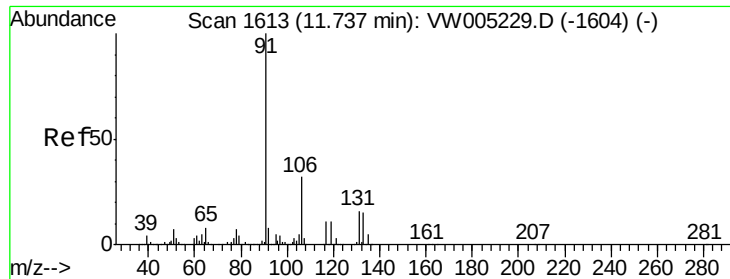
Tgt Ion:112 Resp: 296096
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 18.833 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion:131 Resp: 88238
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.6
119 66.5 33.3 99.8

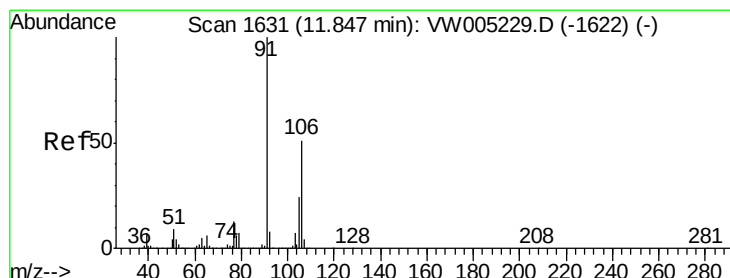
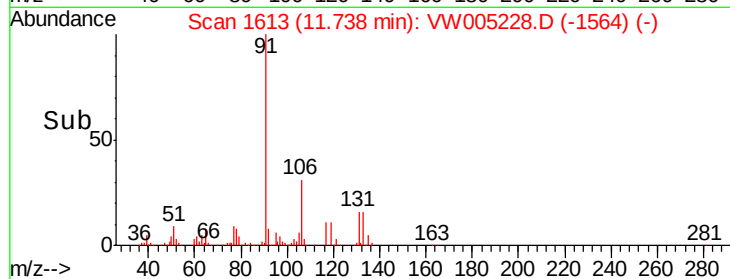
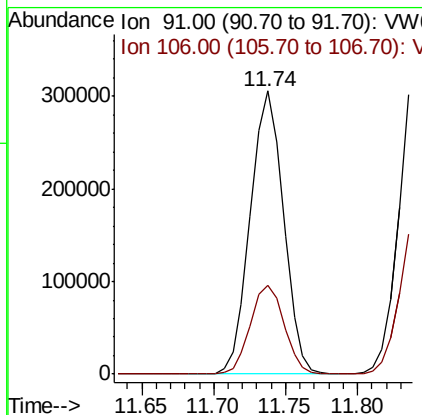
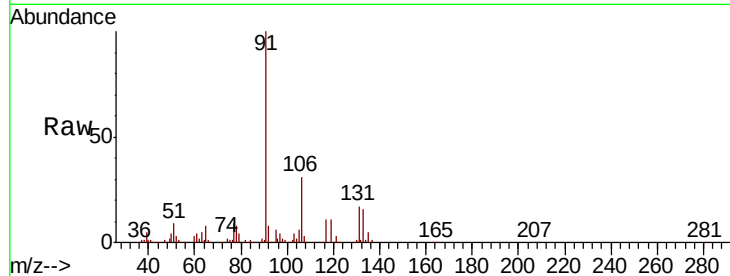




#67
Ethyl Benzene
Concen: 18.871 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

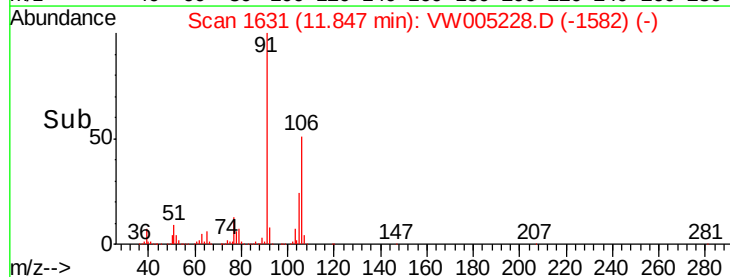
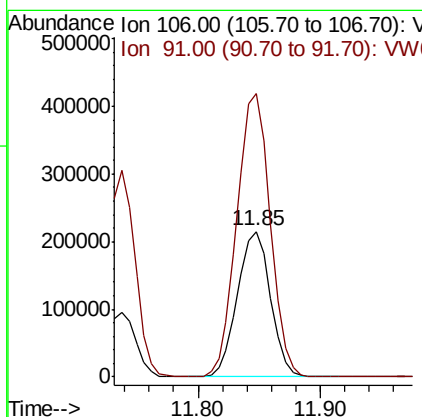
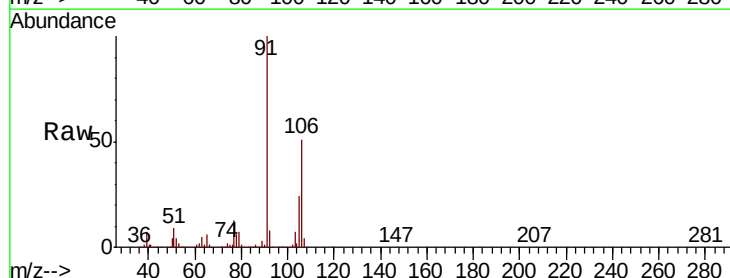
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

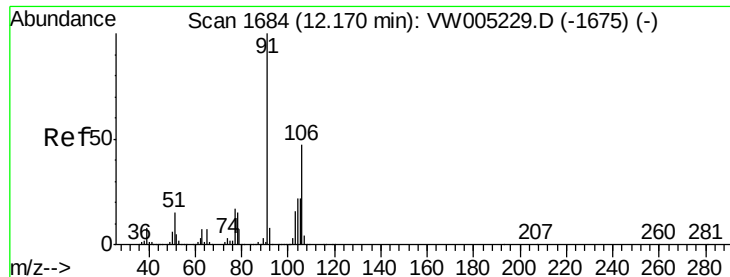
Tgt Ion: 91 Resp: 488223
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3



#68
m/p-Xylenes
Concen: 38.992 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion: 106 Resp: 403439
Ion Ratio Lower Upper
106 100
91 196.3 157.4 236.2

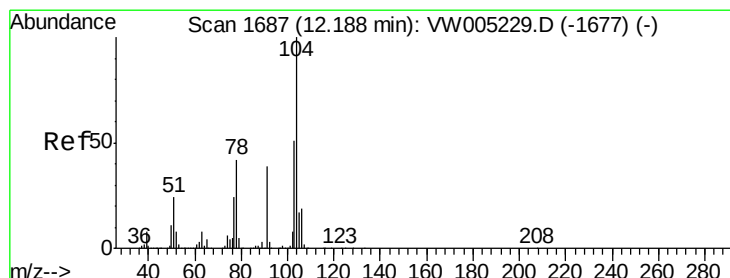
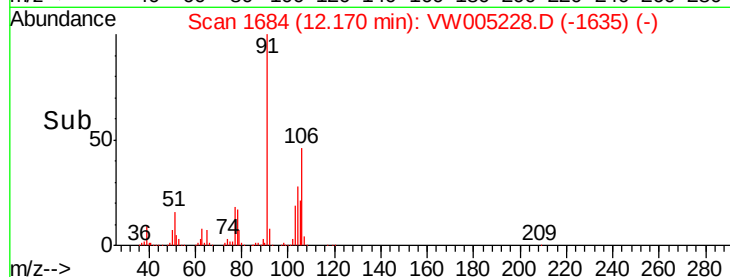
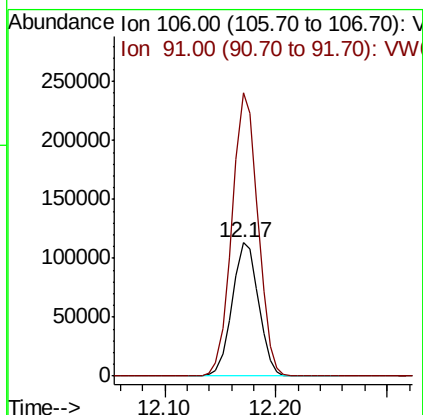
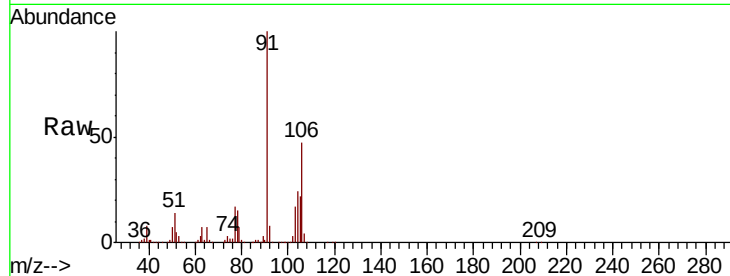




#69
o-Xylene
Concen: 19.382 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

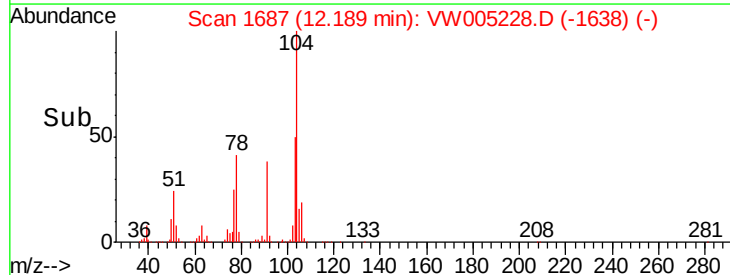
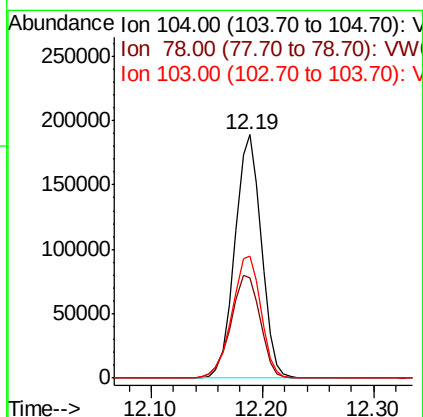
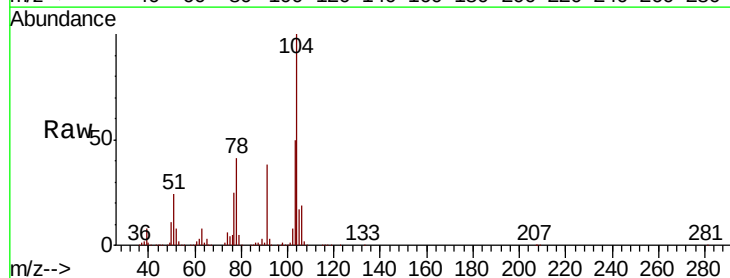
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

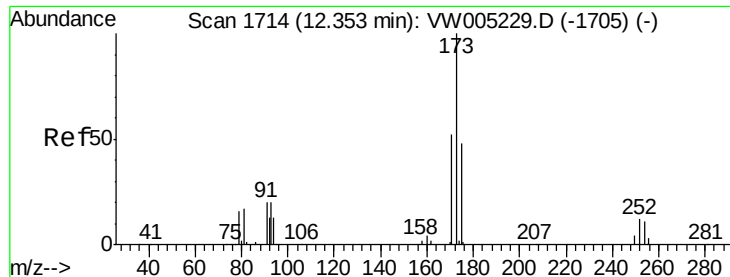
Tgt Ion:106 Resp: 186140
Ion Ratio Lower Upper
106 100
91 208.7 104.5 313.3



#70
Styrene
Concen: 19.639 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion:104 Resp: 310594
Ion Ratio Lower Upper
104 100
78 47.1 37.9 56.9
103 54.9 44.1 66.1

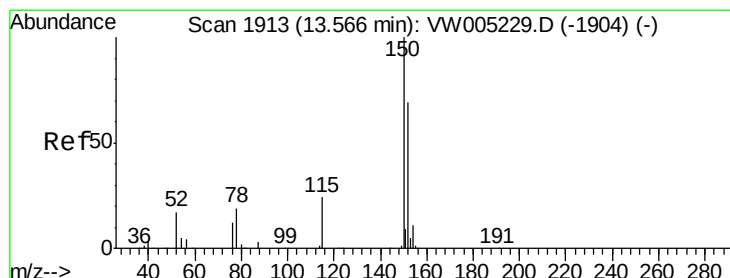
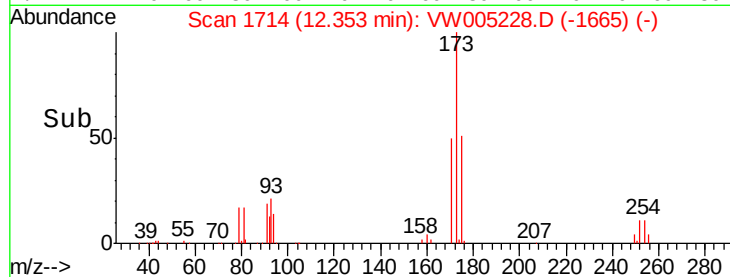
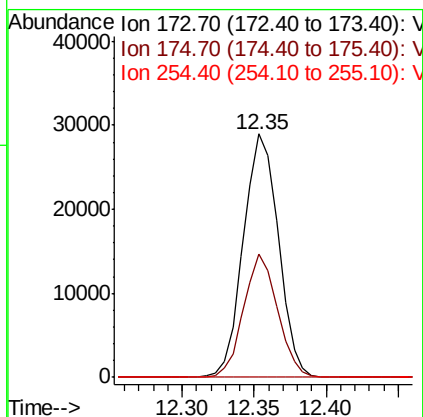
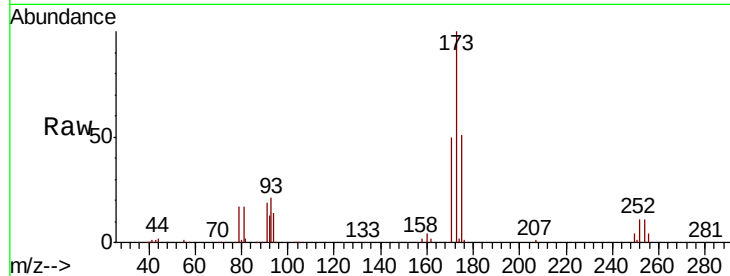




#71
Bromoform
Concen: 19.497 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

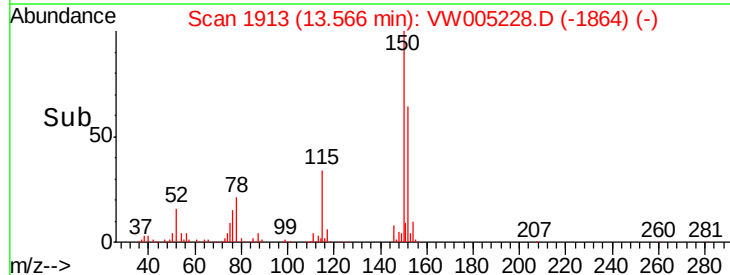
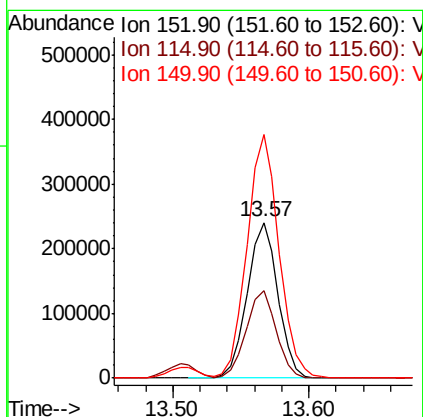
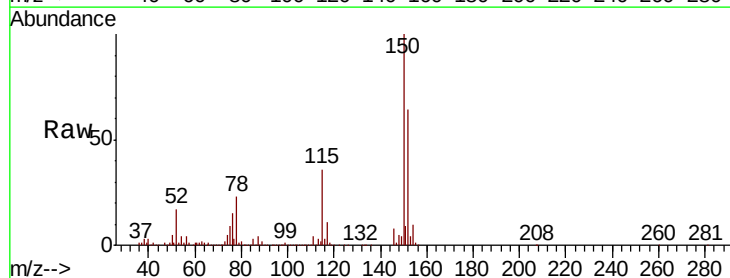
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

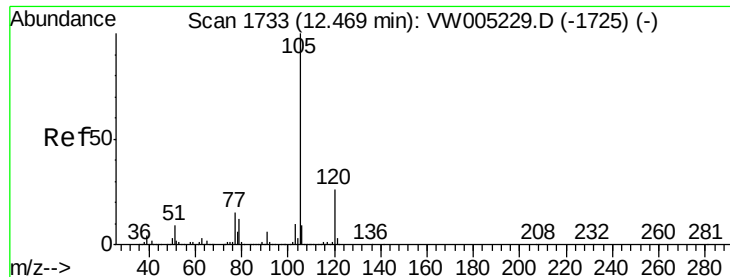
Tgt Ion:173 Resp: 48857
Ion Ratio Lower Upper
173 100
175 48.8 24.0 72.0
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion:152 Resp: 378720
Ion Ratio Lower Upper
152 100
115 55.6 28.1 84.3
150 163.4 0.0 351.4





#73

Isopropylbenzene

Concen: 18.555 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

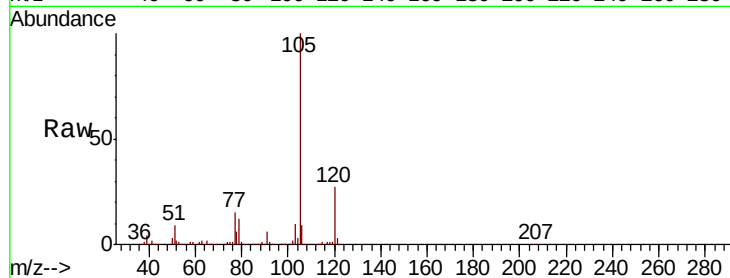
VSTDIC020

Tgt Ion: 105 Resp: 488188

Ion Ratio Lower Upper

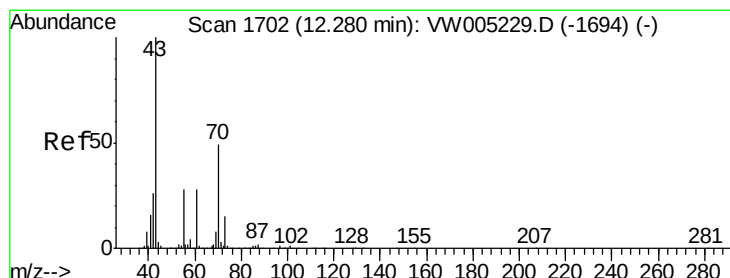
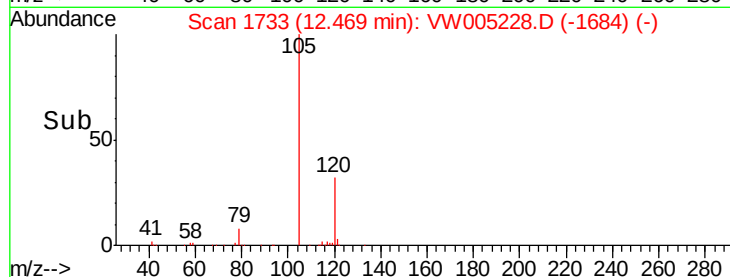
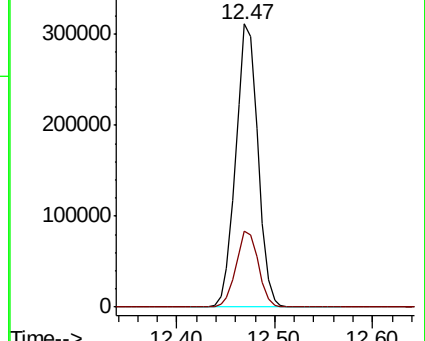
105 100

120 27.1 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.239 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Tgt Ion: 43 Resp: 99240

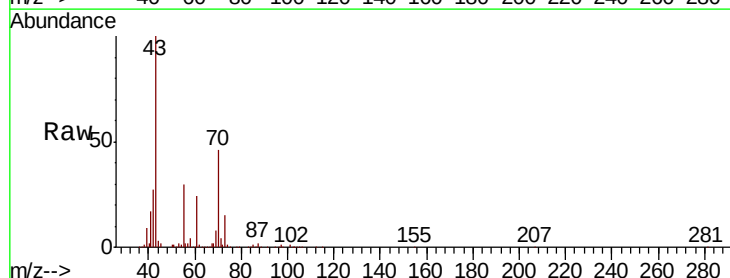
Ion Ratio Lower Upper

43 100

70 47.2 38.3 57.5

55 30.2 22.5 33.7

61 25.3 21.1 31.7

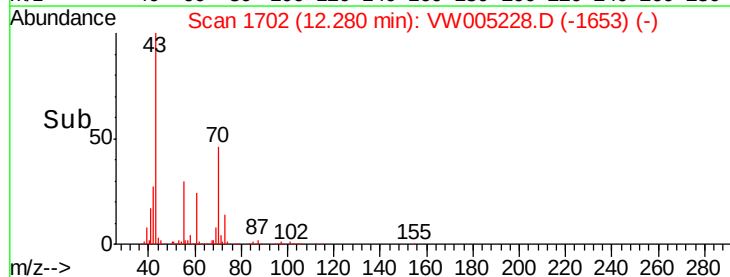
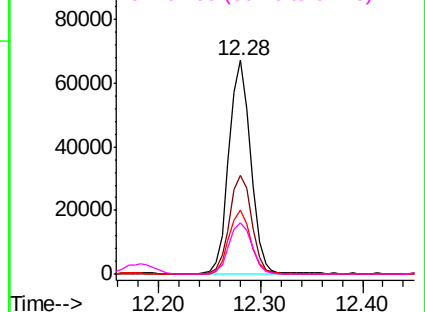


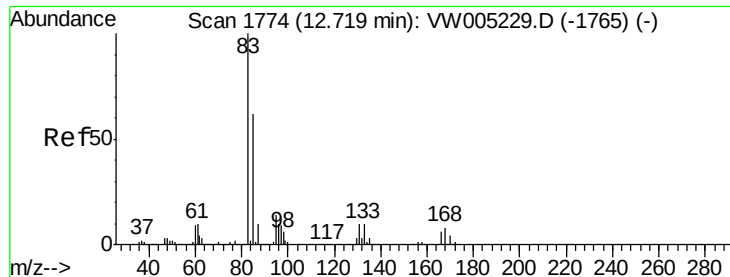
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 20.600 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

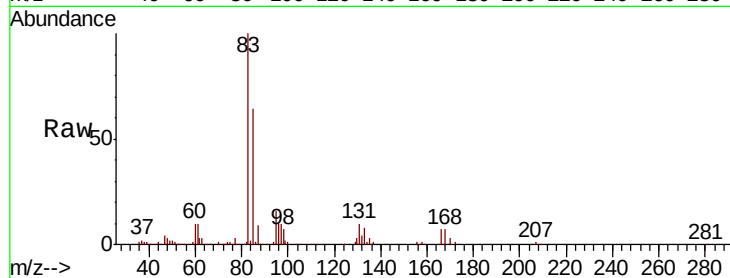
Tgt Ion: 83 Resp: 84153

Ion Ratio Lower Upper

83 100

131 10.9 5.3 16.1

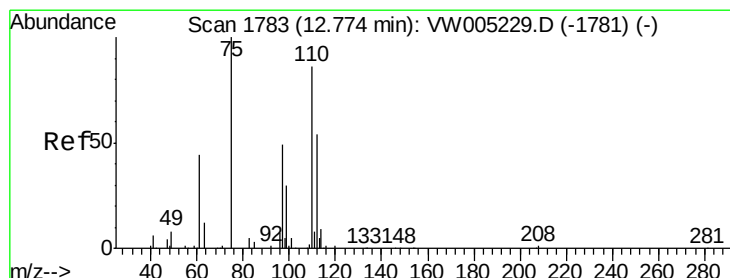
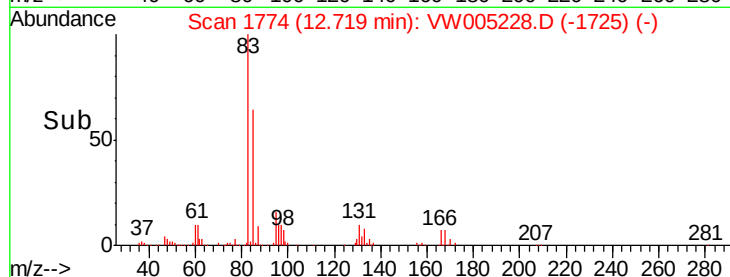
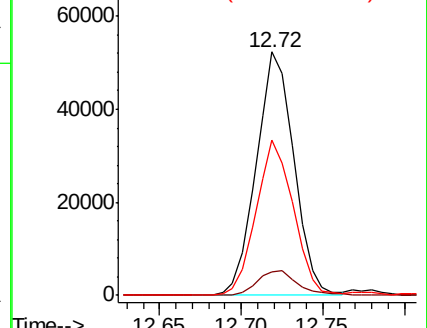
85 62.8 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 36.605 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005228.D

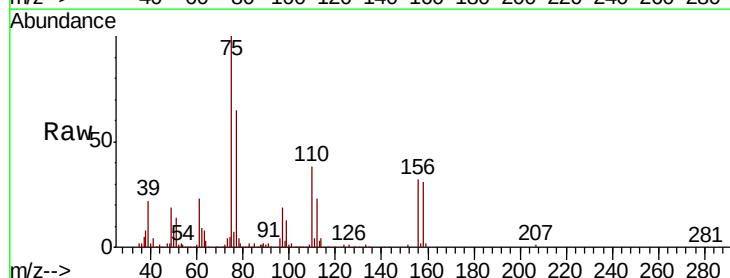
Acq: 08 Sep 2018 00:37

Tgt Ion: 75 Resp: 104957

Ion Ratio Lower Upper

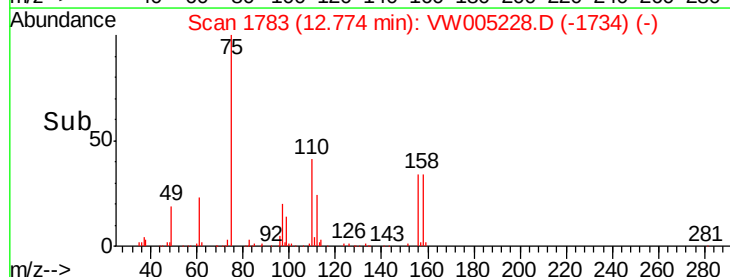
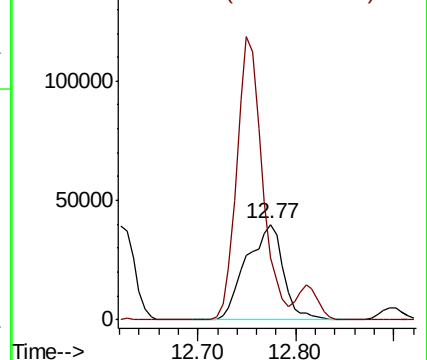
75 100

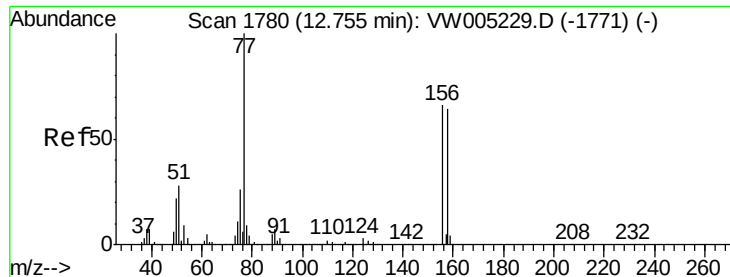
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.352 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

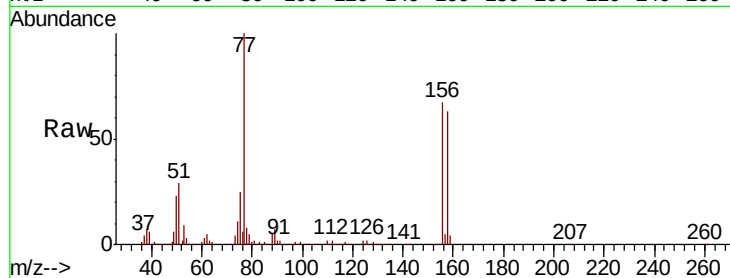
Tgt Ion: 156 Resp: 125760

Ion Ratio Lower Upper

156 100

77 171.6 86.4 259.2

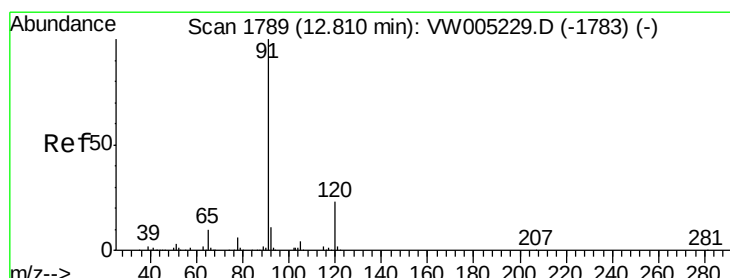
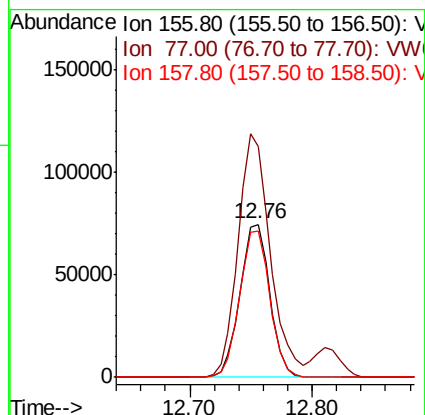
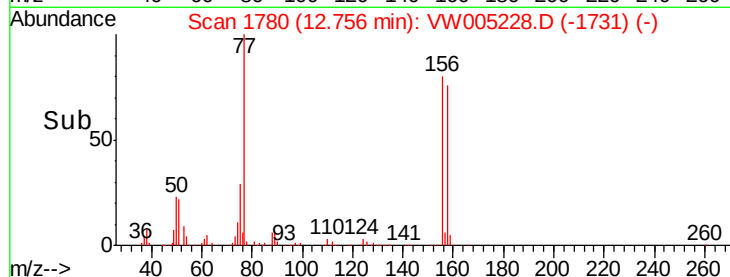
158 96.5 48.4 145.0



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: 18.782 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005228.D

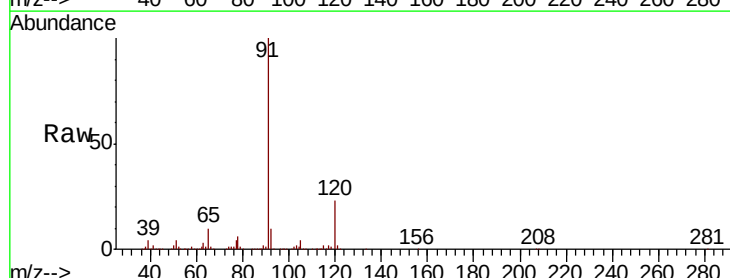
Acq: 08 Sep 2018 00:37

Tgt Ion: 91 Resp: 594997

Ion Ratio Lower Upper

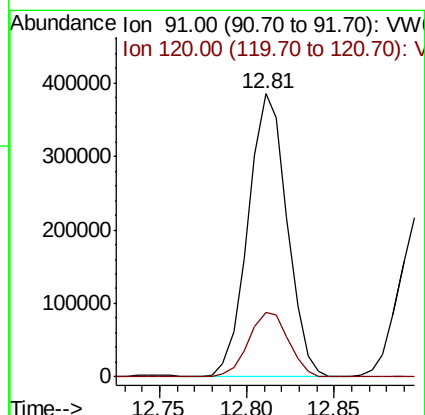
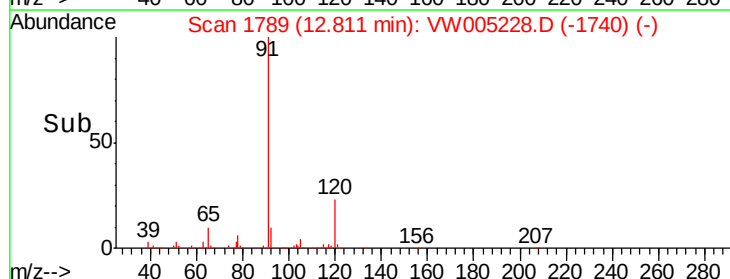
91 100

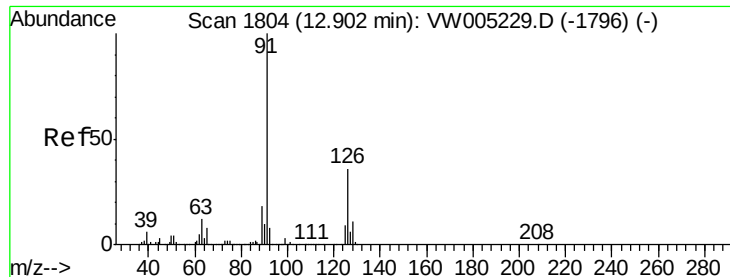
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.017 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

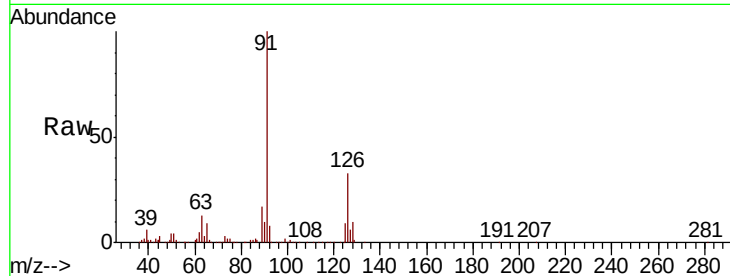
VSTDIC020

Tgt Ion: 91 Resp: 352283

Ion Ratio Lower Upper

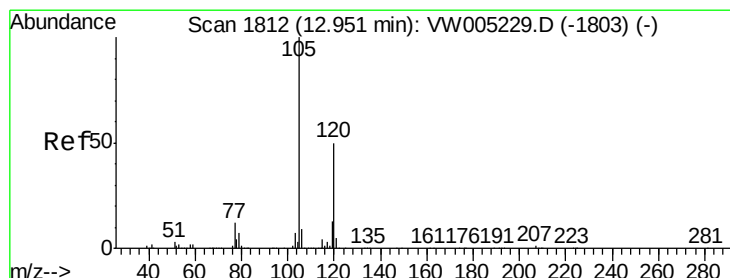
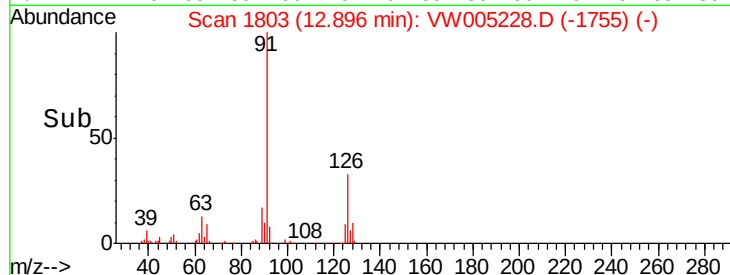
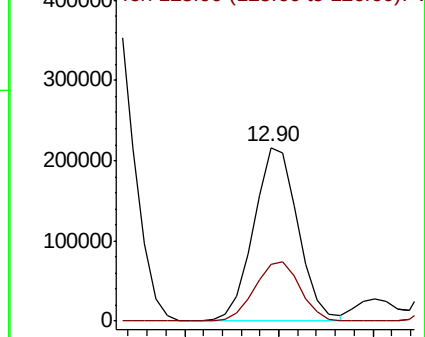
91 100

126 34.9 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.024 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005228.D

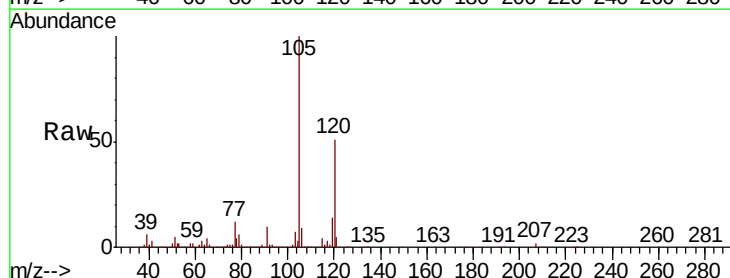
Acq: 08 Sep 2018 00:37

Tgt Ion: 105 Resp: 430809

Ion Ratio Lower Upper

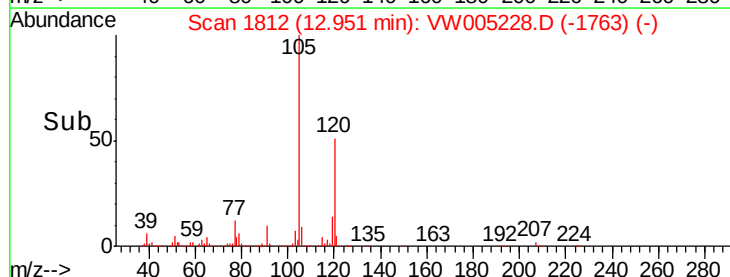
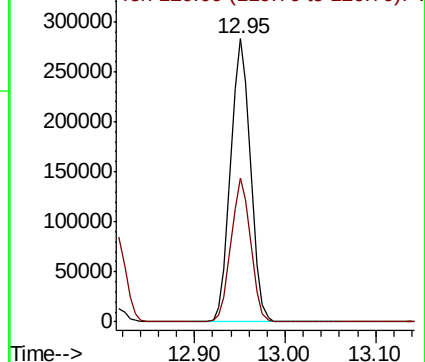
105 100

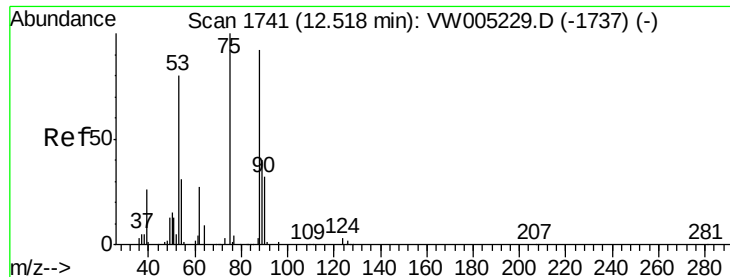
120 49.9 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

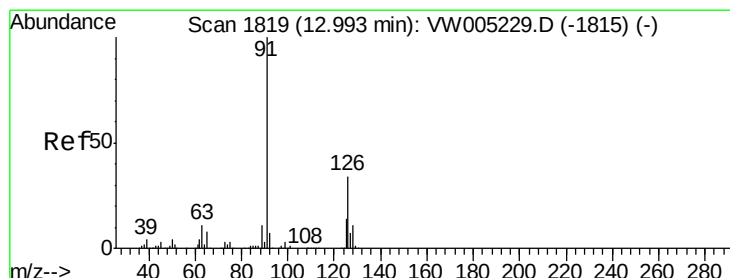
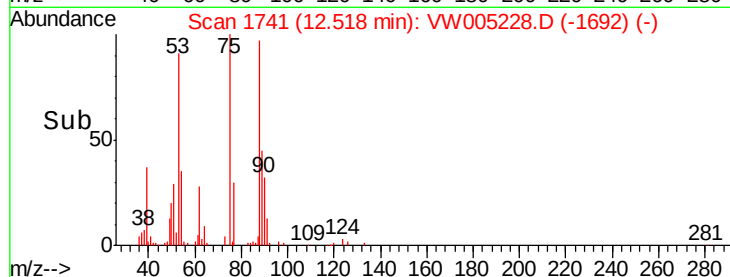
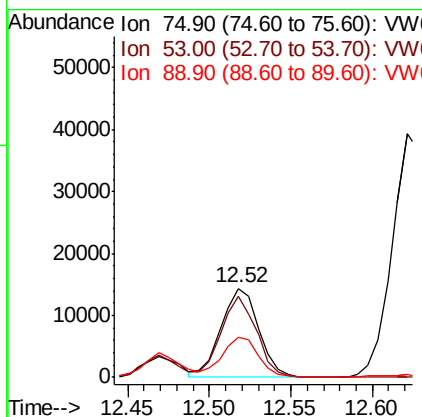
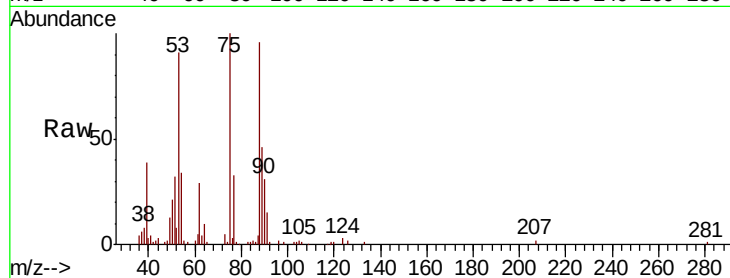




#81
trans-1,4-Dichloro-2-butene
Concen: 19.364 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

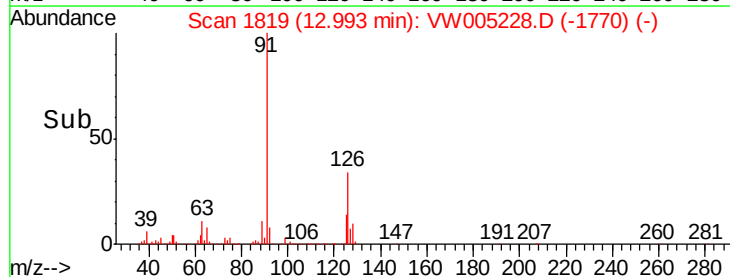
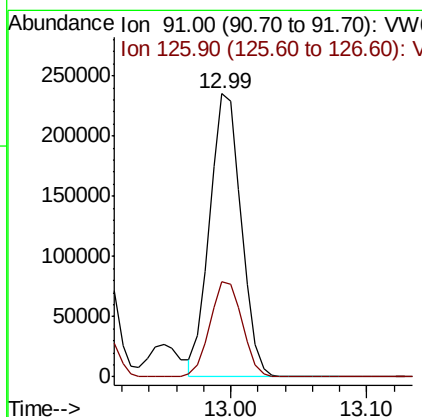
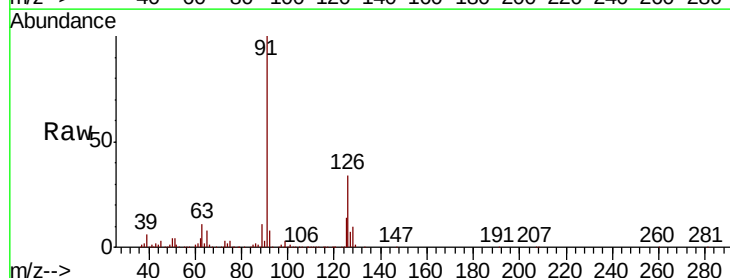
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

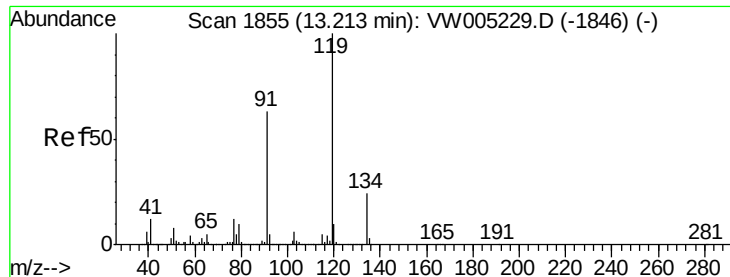
Tgt Ion: 75 Resp: 22832
Ion Ratio Lower Upper
75 100
53 84.9 69.0 103.6
89 44.1 35.8 53.8



#82
4-Chlorotoluene
Concen: 19.231 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion: 91 Resp: 376444
Ion Ratio Lower Upper
91 100
126 34.6 17.3 52.0





#83

tert-Butylbenzene

Concen: 18.639 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

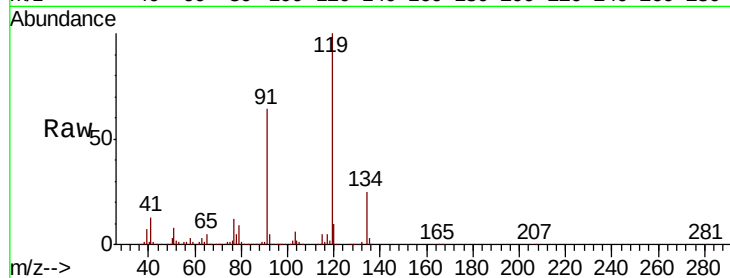
Tgt Ion:119 Resp: 355654

Ion Ratio Lower Upper

119 100

91 63.5 30.8 92.3

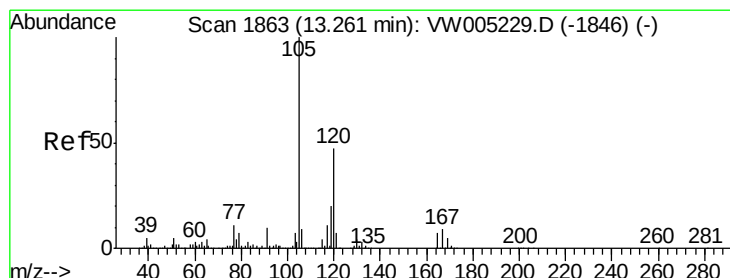
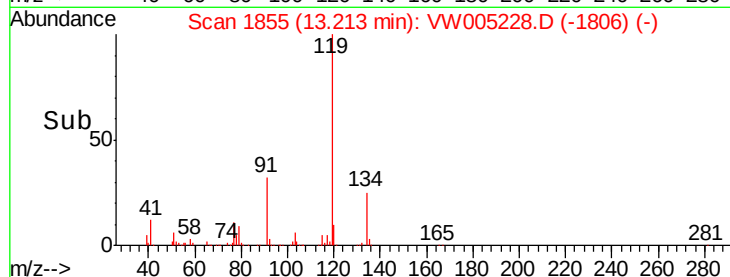
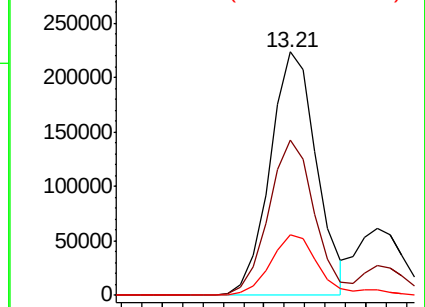
134 26.5 12.7 38.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.203 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VW005228.D

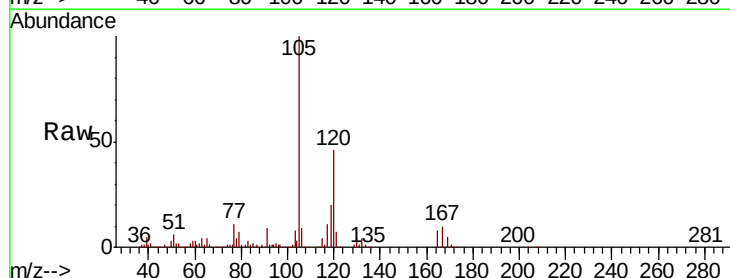
Acq: 08 Sep 2018 00:37

Tgt Ion:105 Resp: 442882

Ion Ratio Lower Upper

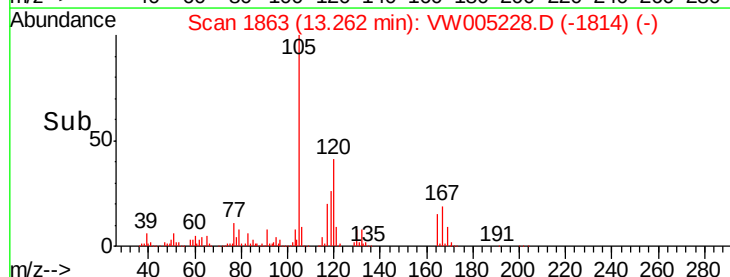
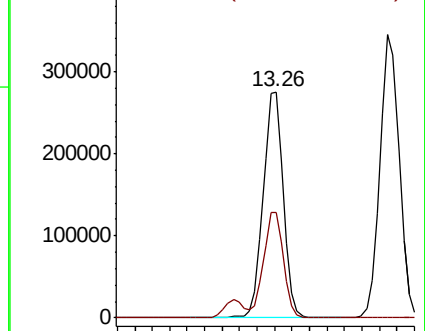
105 100

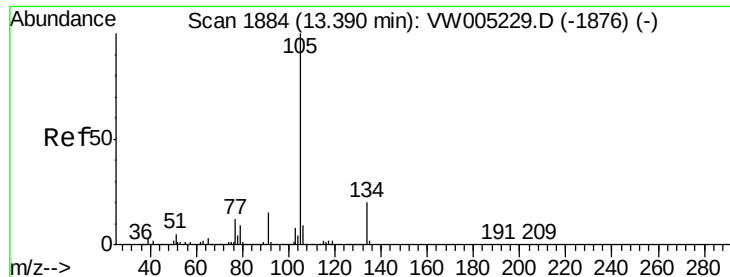
120 46.0 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.828 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

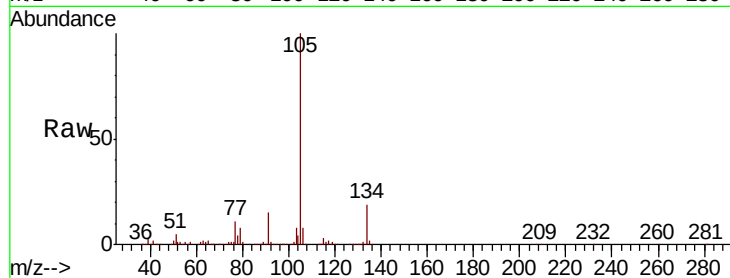
VSTDIC020

Tgt Ion:105 Resp: 525059

Ion Ratio Lower Upper

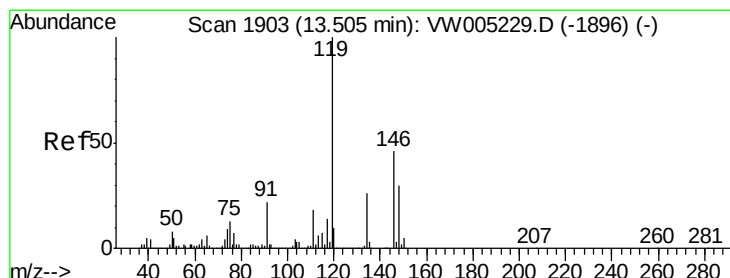
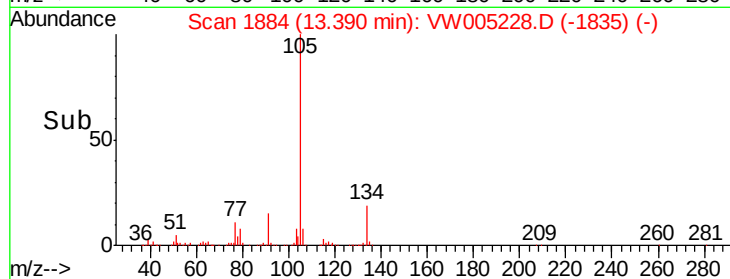
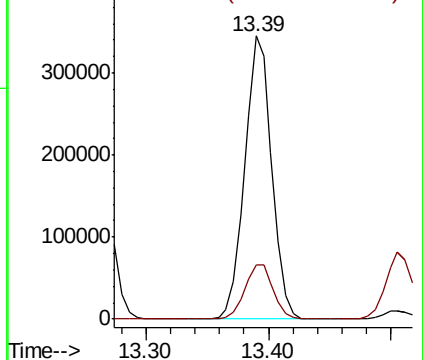
105 100

134 20.2 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.930 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

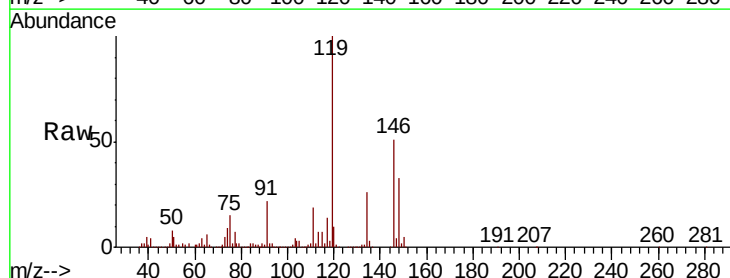
Tgt Ion:119 Resp: 466945

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

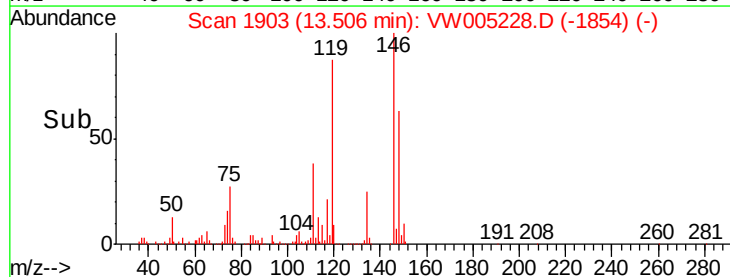
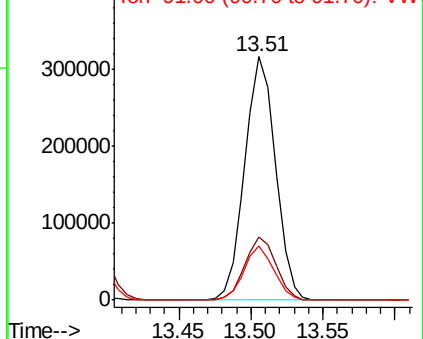
91 21.6 10.9 32.7

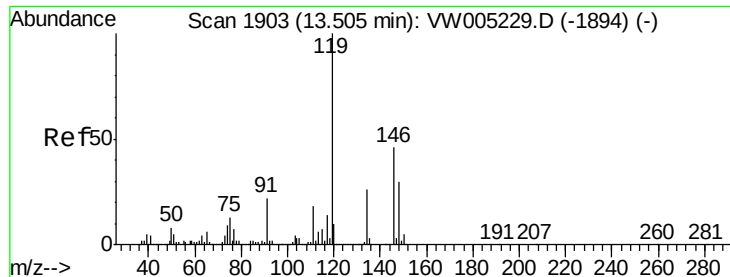


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.404 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

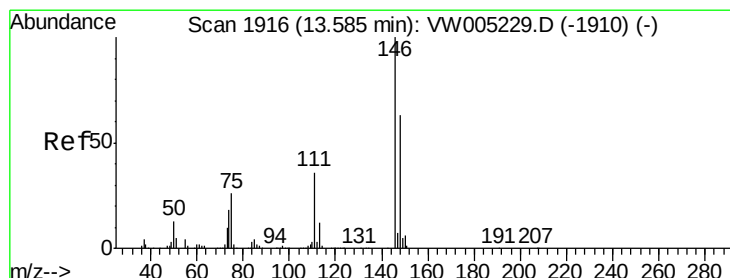
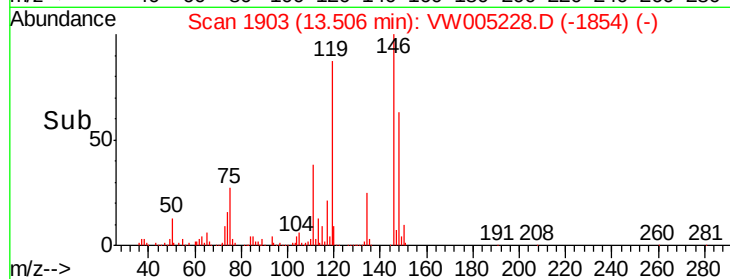
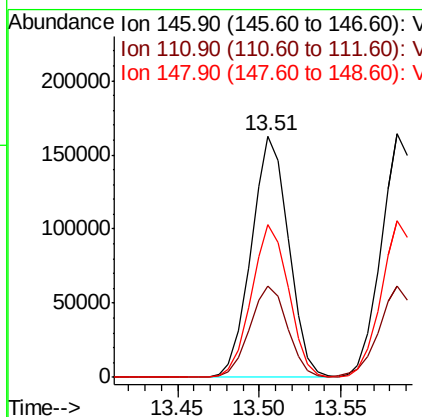
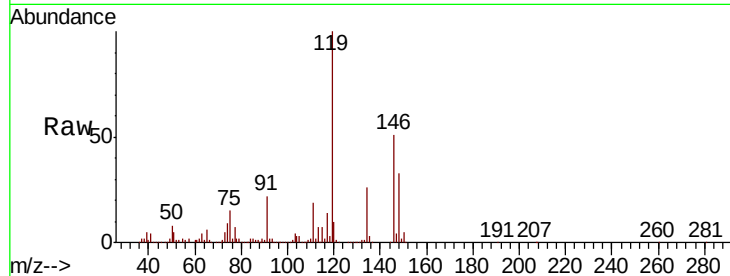
Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:146 Resp: 258490

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.8
148	63.1	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 19.345 ug/l

RT: 13.58 min Scan# 1916

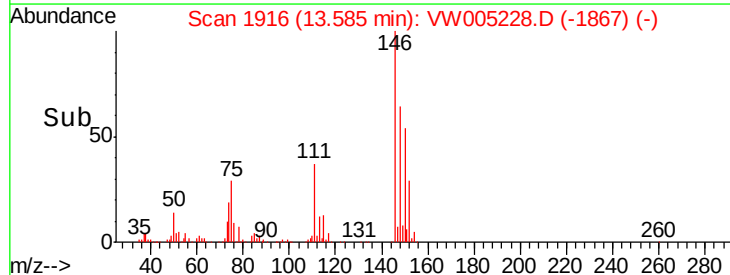
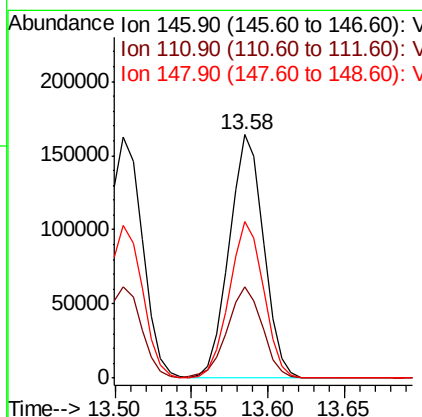
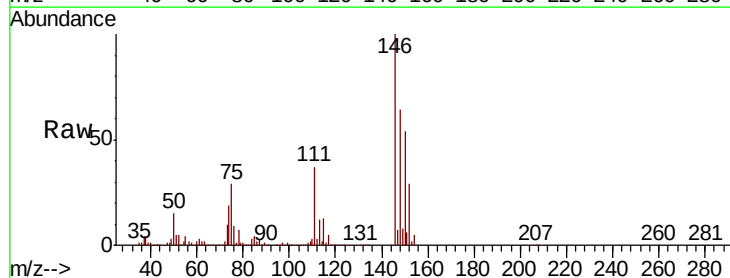
Delta R.T. 0.00 min

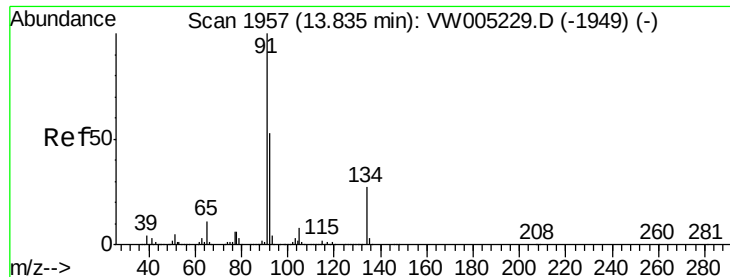
Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Tgt Ion:146 Resp: 256048

Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	56.0
148	64.1	32.0	96.0





#89

n-Butylbenzene

Concen: 18.606 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

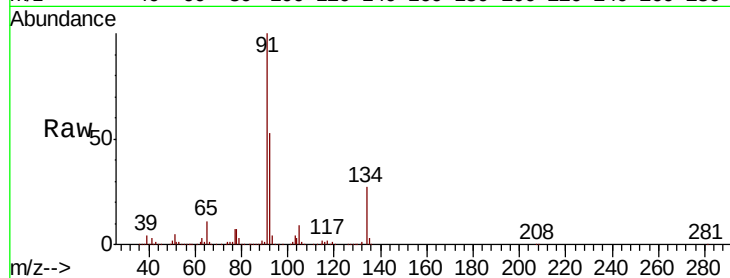
Tgt Ion: 91 Resp: 424571

Ion Ratio Lower Upper

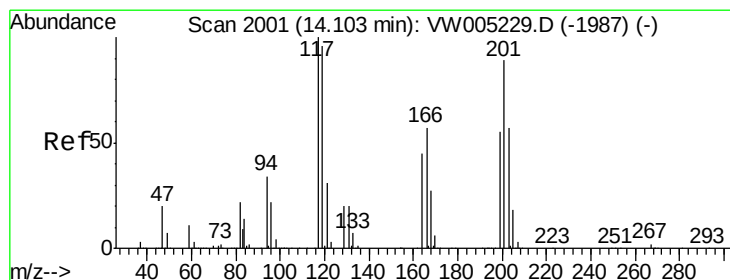
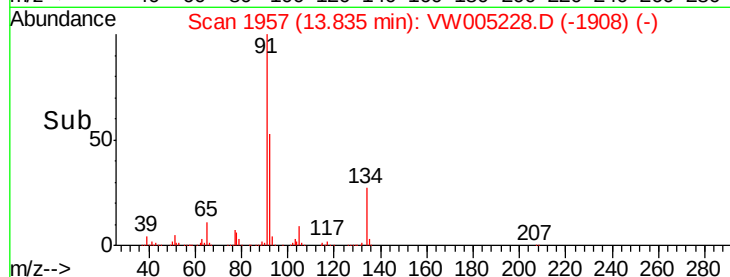
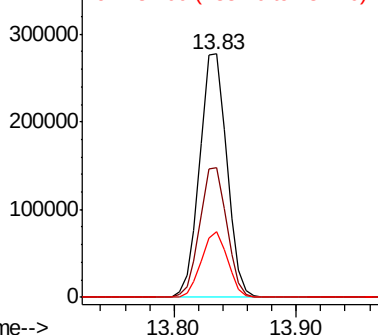
91 100

92 53.1 26.7 80.0

134 26.3 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.102 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW005228.D

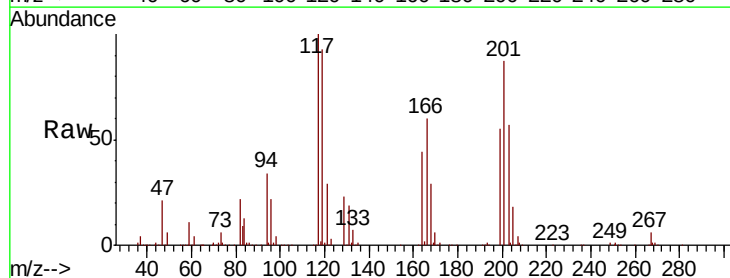
Acq: 08 Sep 2018 00:37

Tgt Ion: 117 Resp: 74558

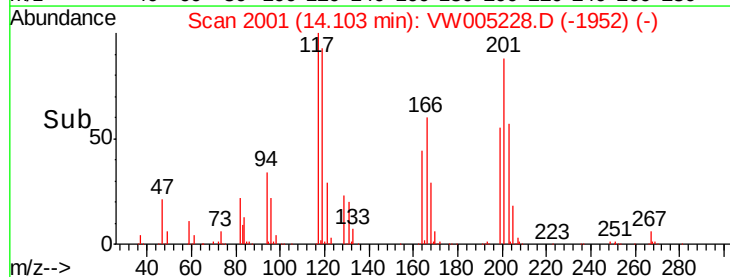
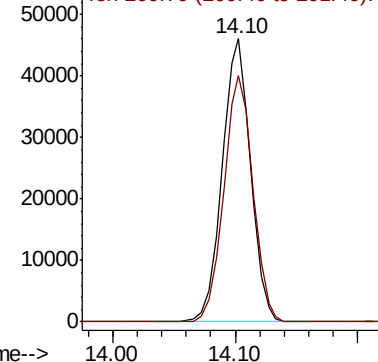
Ion Ratio Lower Upper

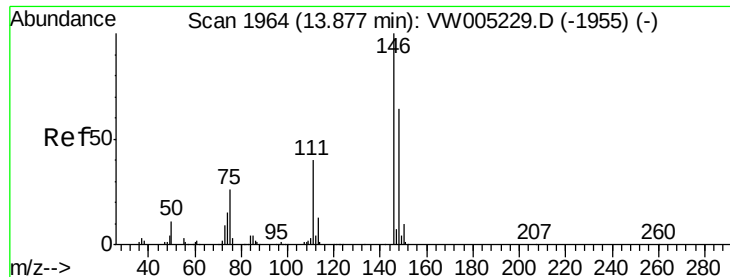
117 100

201 88.7 44.8 134.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

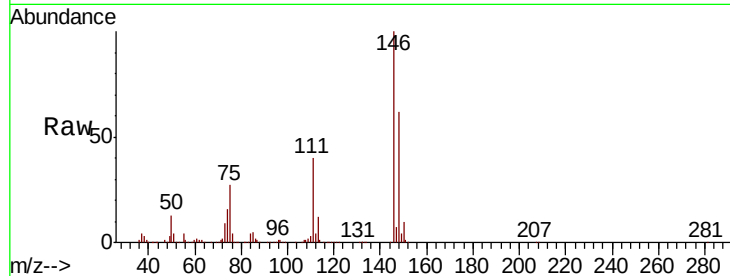




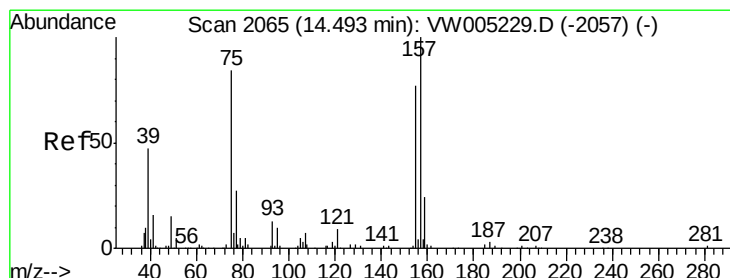
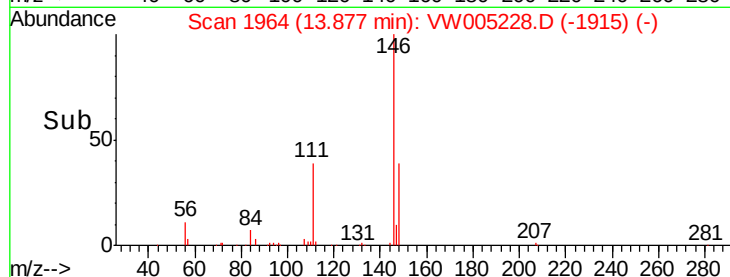
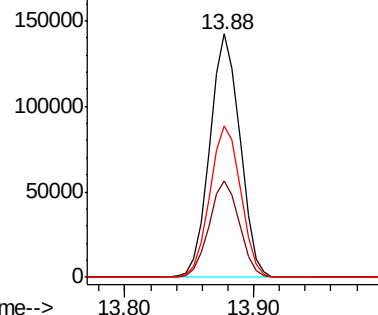
#91
 1,2-Dichlorobenzene
 Concen: 19.778 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	63.7	32.0	96.2

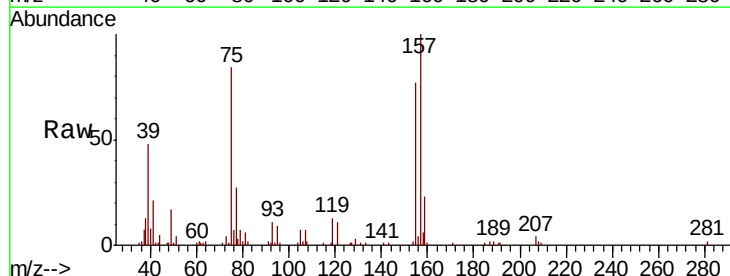


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

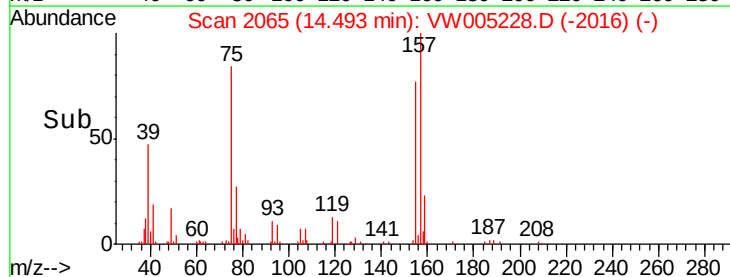
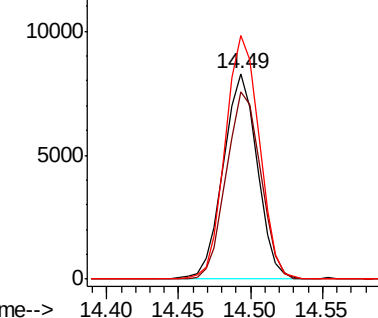


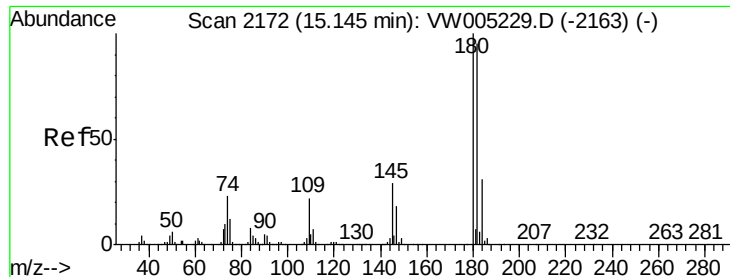
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.888 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	45.6	136.9
157	118.8	59.6	178.7



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

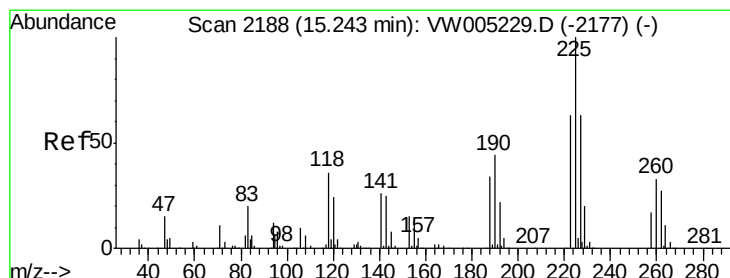
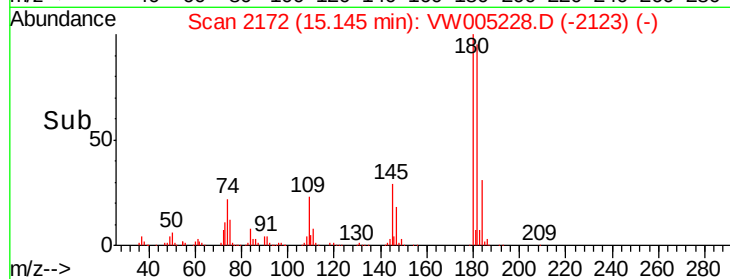
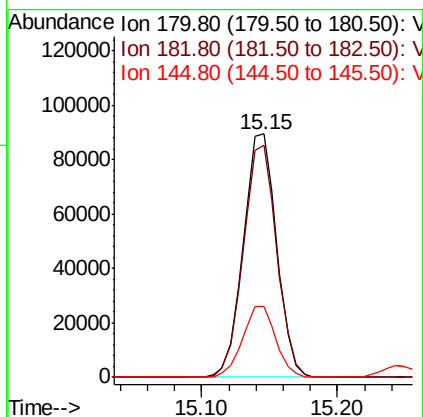
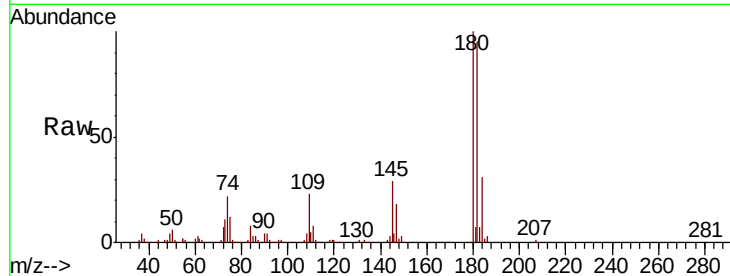




#93
 1,2,4-Trichlorobenzene
 Concen: 19.721 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

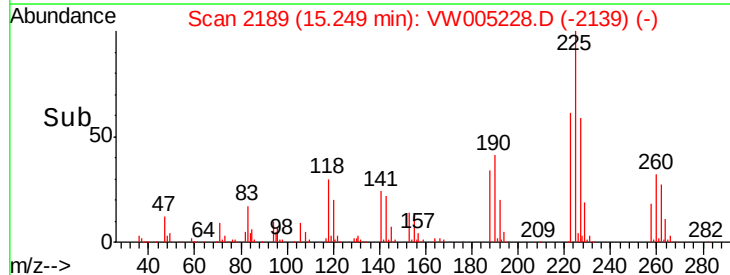
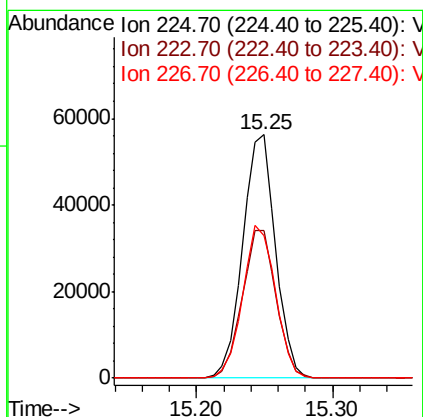
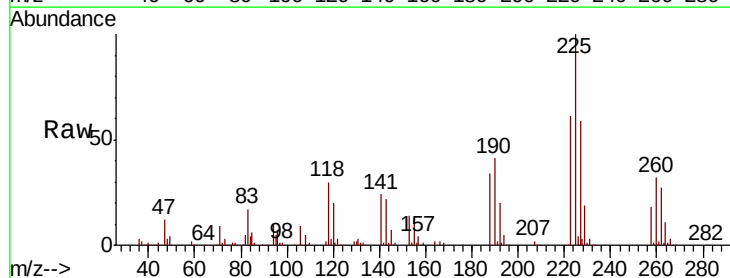
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

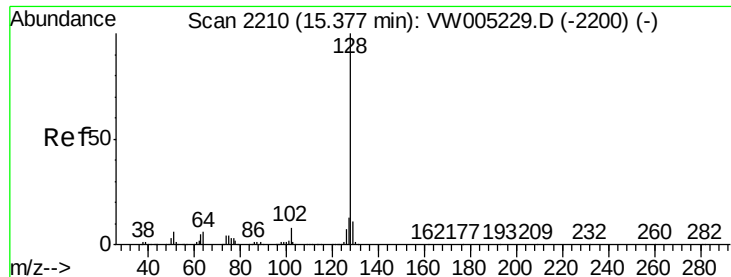
Tgt Ion:180 Resp: 153532
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.9 143.8
 145 29.2 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 19.425 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion:225 Resp: 94630
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.4 94.2
 227 63.3 31.9 95.9

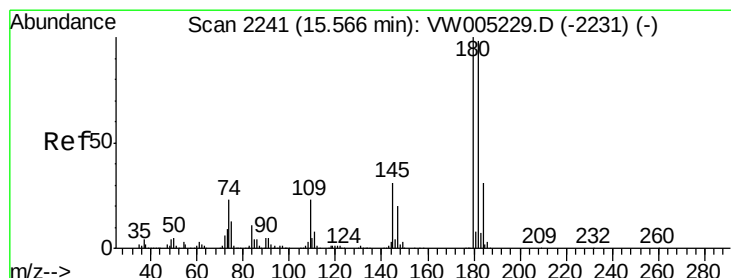
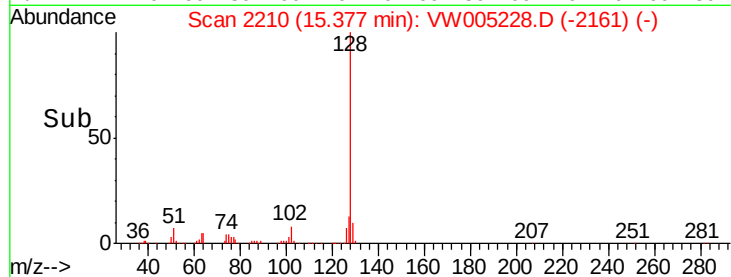
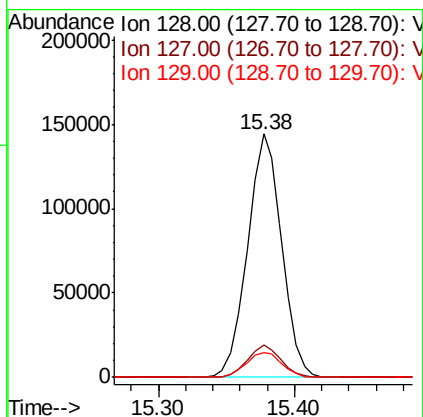
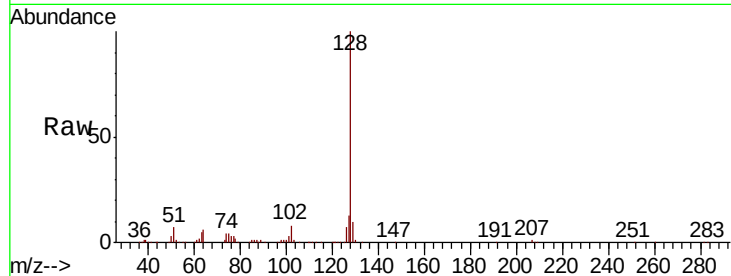




#95
Naphthalene
Concen: 20.459 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:	128	Resp:	252590
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.352 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion:	180	Resp:	136152
Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.3	144.9
145	30.6	15.3	45.9

