

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090818\
 Data File : VW005232.D
 Acq On : 08 Sep 2018 02:19
 Operator : SY/AP
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 08 03:00:51 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	500535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	746630	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	730210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	382772	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	618365	149.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.00%	
35) Dibromofluoromethane	7.89	113	640954	149.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.98%	
50) Toluene-d8	10.33	98	3003513	150.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.88%	
62) 4-Bromofluorobenzene	12.63	95	1091121	154.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	557045	138.523	ug/l	96
3) Chloromethane	2.21	50	858764	148.925	ug/l	99
4) Vinyl Chloride	2.35	62	773354	138.721	ug/l	100
5) Bromomethane	2.73	94	479469	124.984	ug/l	98
6) Chloroethane	2.90	64	447259	130.476	ug/l	100
7) Trichlorofluoromethane	3.25	101	837918	133.772	ug/l	97
8) Diethyl Ether	3.68	74	350770	153.689	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	581628	134.691	ug/l	99
10) Methyl Iodide	4.27	142	874033	159.269	ug/l	100
11) Tert butyl alcohol	5.18	59	248291	822.352	ug/l	99
12) 1,1-Dichloroethene	4.04	96	586889	147.645	ug/l	100
13) Acrolein	3.90	56	243266	886.845	ug/l	97
14) Allyl chloride	4.67	41	979175	157.797	ug/l	99
15) Acrylonitrile	5.37	53	821783	839.220	ug/l	99
16) Acetone	4.12	43	557569	687.225	ug/l	97
17) Carbon Disulfide	4.38	76	2211048	158.971	ug/l	99
18) Methyl Acetate	4.67	43	399761	165.318	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	1548314	159.059	ug/l	98
20) Methylene Chloride	4.92	84	780701	115.052	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	718382	148.459	ug/l	99
22) Diisopropyl ether	6.32	45	2038069	155.804	ug/l	96
23) Vinyl Acetate	6.26	43	5524609	799.405	ug/l	100
24) 1,1-Dichloroethane	6.22	63	1213310	148.910	ug/l	100
25) 2-Butanone	7.18	43	916268	657.150	ug/l	97
26) 2,2-Dichloropropane	7.17	77	834123	125.441	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	803670	152.119	ug/l	99
28) Bromochloromethane	7.52	49	458076	139.933	ug/l	98
29) Tetrahydrofuran	7.53	42	652974	883.724	ug/l	99
30) Chloroform	7.68	83	1210296	145.561	ug/l	100
31) Cyclohexane	7.96	56	1069609	132.817	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	965652	133.232	ug/l	100
36) 1,1-Dichloropropene	8.09	75	917013	131.441	ug/l	99
37) Ethyl Acetate	7.26	43	409061	154.343	ug/l	100
38) Carbon Tetrachloride	8.07	117	839354	126.975	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1314534	155.055	ug/l	99
40) Benzene	8.33	78	2963634	138.614	ug/l	100
41) Methacrylonitrile	7.49	41	251493	165.609	ug/l	99
42) 1,2-Dichloroethane	8.41	62	731435	139.966	ug/l	99
43) Isopropyl Acetate	8.43	43	789203	163.094	ug/l	99
44) Trichloroethene	9.10	130	761259	132.214	ug/l	99
45) 1,2-Dichloropropane	9.38	63	698494	134.127	ug/l	97
46) Dibromomethane	9.46	93	359641	144.384	ug/l	98
47) Bromodichloromethane	9.65	83	856276	136.762	ug/l	100
48) Methyl methacrylate	9.44	41	434868	183.751	ug/l	99
49) 1,4-Dioxane	9.45	88	127859	3124.125	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	2197615	701.567	ug/l	100
52) Toluene	10.40	92	2113022	145.823	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	932407	150.369	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	1073663	143.220	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	537311	138.601	ug/l	99
56) Ethyl methacrylate	10.65	69	789090	175.175	ug/l	99
57) 1,3-Dichloropropane	10.94	76	919958	143.513	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1669564	795.353	ug/l	99
59) 2-Hexanone	10.98	43	1552012	729.261	ug/l	100
60) Dibromochloromethane	11.13	129	628051	143.263	ug/l	99
61) 1,2-Dibromoethane	11.24	107	520963	147.932	ug/l	98
64) Tetrachloroethene	10.87	164	826869	144.983	ug/l	100
65) Chlorobenzene	11.66	112	2336376	144.018	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	713871	144.194	ug/l	100
67) Ethyl Benzene	11.74	91	4141102	151.480	ug/l	100
68) m/p-Xylenes	11.85	106	3256827	297.887	ug/l	100
69) o-Xylene	12.17	106	1564103	154.127	ug/l	100
70) Styrene	12.19	104	2599180	155.531	ug/l	100
71) Bromoform	12.35	173	406855	153.656	ug/l	99
73) Isopropylbenzene	12.47	105	4106051	154.411	ug/l	100
74) N-amyl acetate	12.28	43	861914	182.508	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	645569	156.358	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	857732	295.980	ug/l #	100
77) Bromobenzene	12.76	156	975167	148.474	ug/l	98
78) n-propylbenzene	12.81	91	4909520	153.337	ug/l	100
79) 2-Chlorotoluene	12.90	91	2818878	150.556	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	3509715	153.346	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	200840	168.532	ug/l	96
82) 4-Chlorotoluene	12.99	91	2921263	147.653	ug/l	100
83) tert-Butylbenzene	13.21	119	2990351	155.055	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	3594966	154.228	ug/l	100
85) sec-Butylbenzene	13.39	105	4305773	152.764	ug/l	100
86) p-Isopropyltoluene	13.51	119	3869590	155.211	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	1940758	144.142	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1916956	143.295	ug/l	100
89) n-Butylbenzene	13.83	91	3646198	158.096	ug/l	100
90) Hexachloroethane	14.10	117	635998	152.779	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	1723961	146.303	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	108327	165.790	ug/l	99

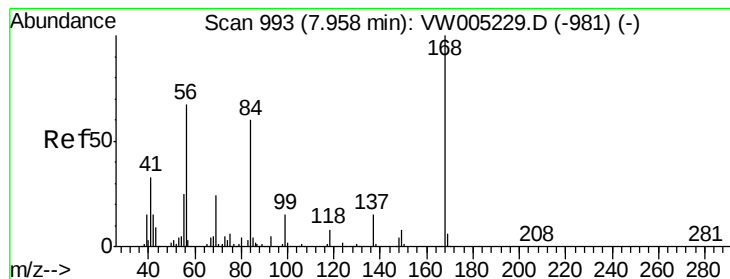
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090818\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	1261106	160.275	ug/l	99
94) Hexachlorobutadiene	15.25	225	718647	145.959	ug/l	100
95) Naphthalene	15.38	128	2333689	187.025	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	1097286	162.287	ug/l	99

(#) = 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: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

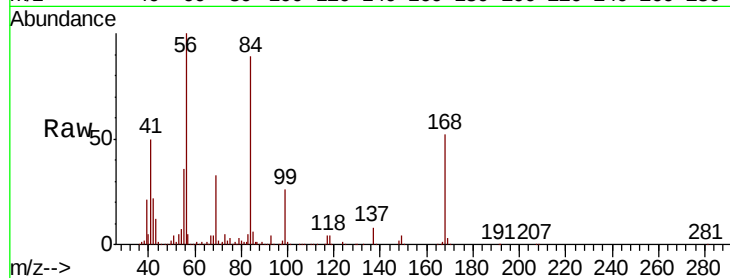
VSTDIC150

Tgt Ion:168 Resp: 500535

Ion Ratio Lower Upper

168 100

99 49.4 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

250000

200000

150000

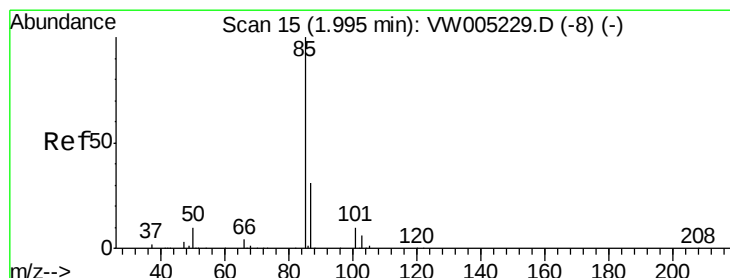
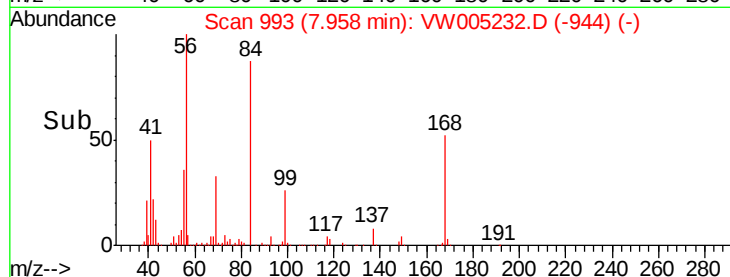
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 138.523 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW005232.D

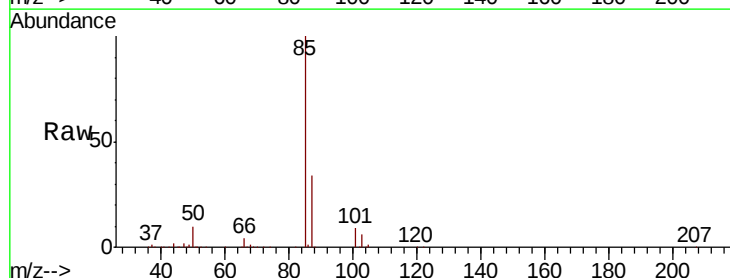
Acq: 08 Sep 2018 02:19

Tgt Ion: 85 Resp: 557045

Ion Ratio Lower Upper

85 100

87 33.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

400000

300000

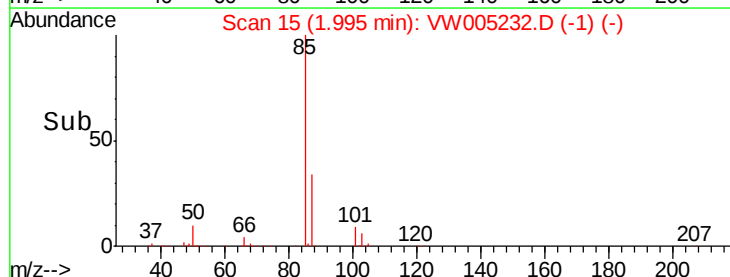
200000

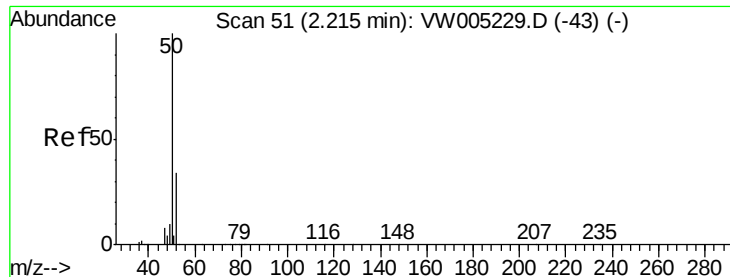
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1.90 2.00 2.10

Time-->

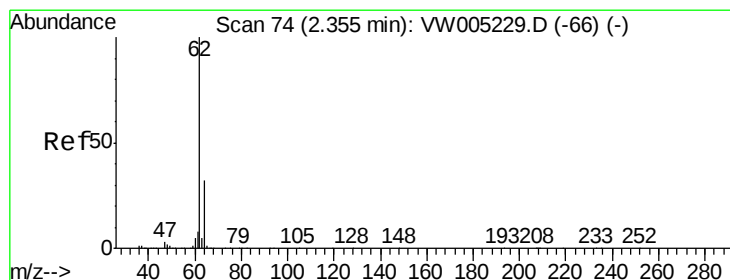
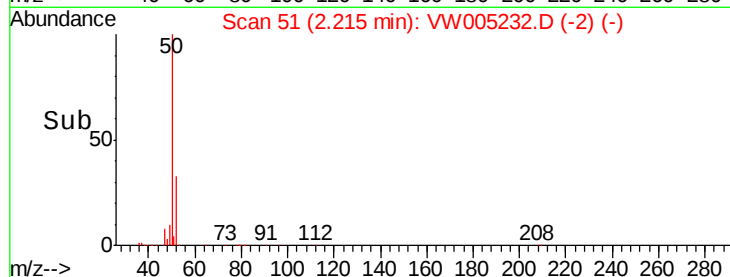
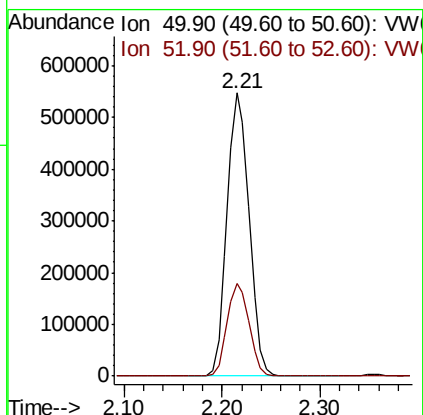
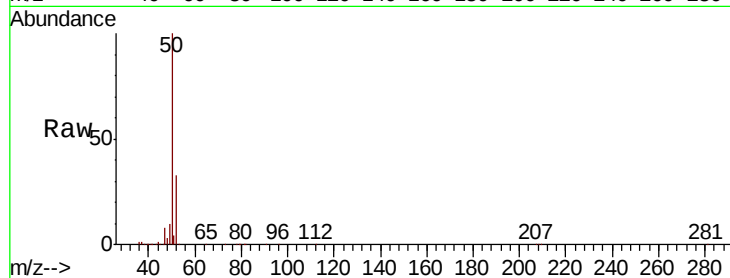




#3
 Chloromethane
 Concen: 148.925 ug/l
 RT: 2.21 min Scan# 51
 Delta R.T. 0.00 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

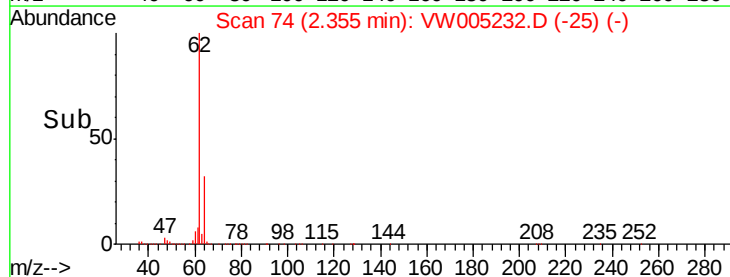
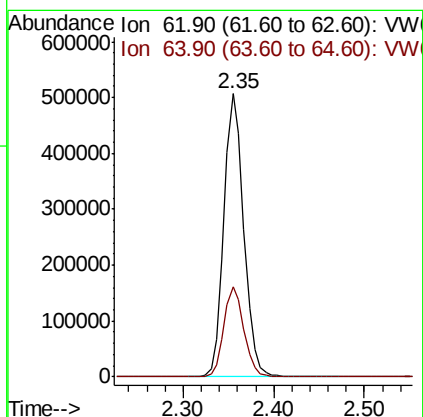
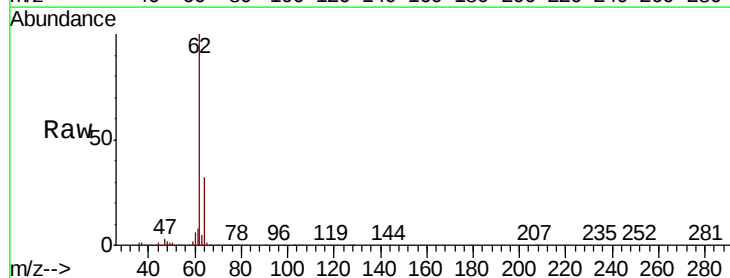
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

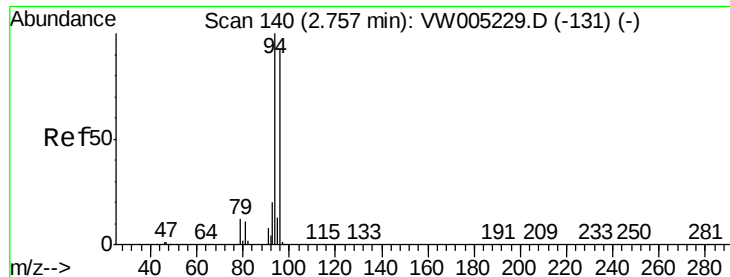
Tgt Ion: 50 Resp: 858764
 Ion Ratio Lower Upper
 50 100
 52 32.8 26.9 40.3



#4
 Vinyl Chloride
 Concen: 138.721 ug/l
 RT: 2.35 min Scan# 74
 Delta R.T. 0.00 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

Tgt Ion: 62 Resp: 773354
 Ion Ratio Lower Upper
 62 100
 64 31.7 25.4 38.0





#5

Bromomethane

Concen: 124.984 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.02 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

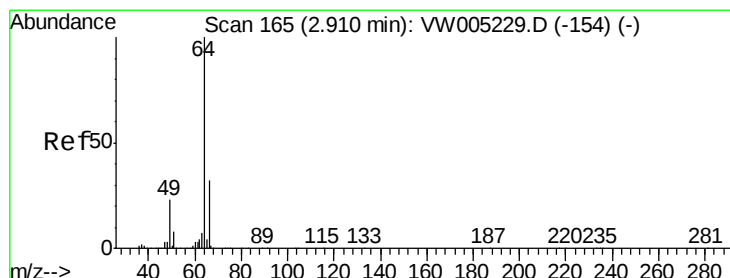
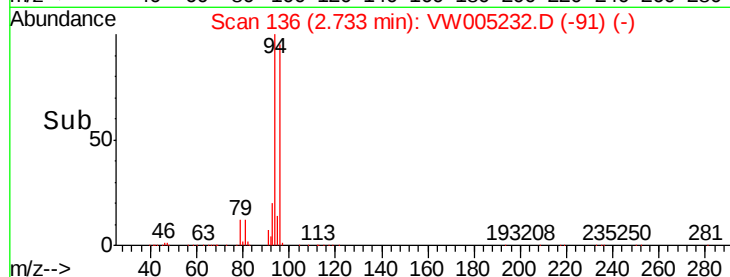
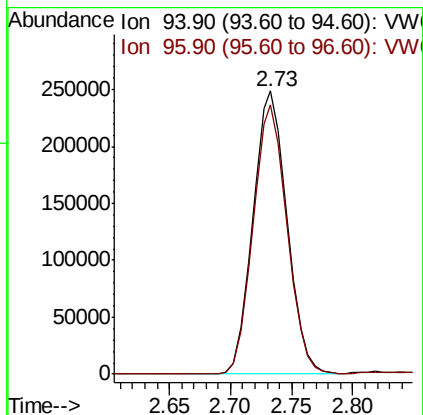
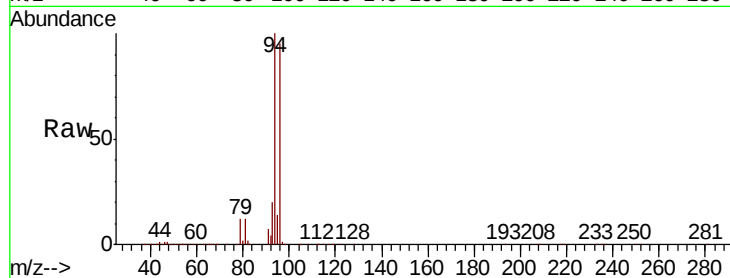
VSTDIC150

Tgt Ion: 94 Resp: 479469

Ion Ratio Lower Upper

94 100

96 95.2 74.6 112.0



#6

Chloroethane

Concen: 130.476 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW005232.D

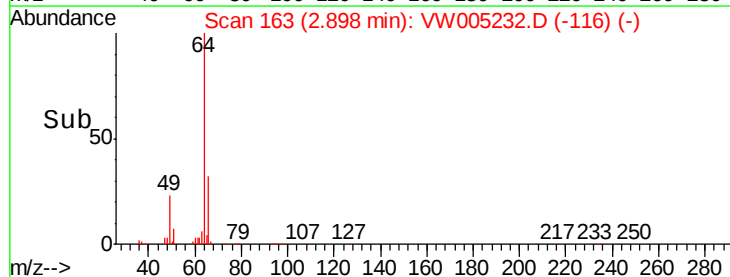
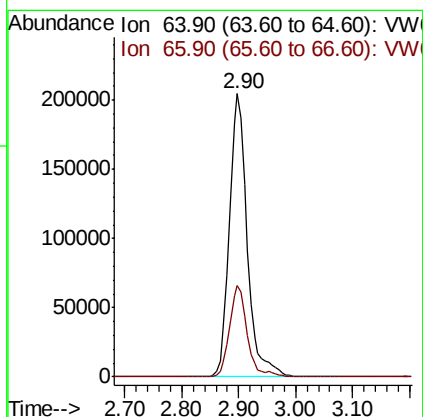
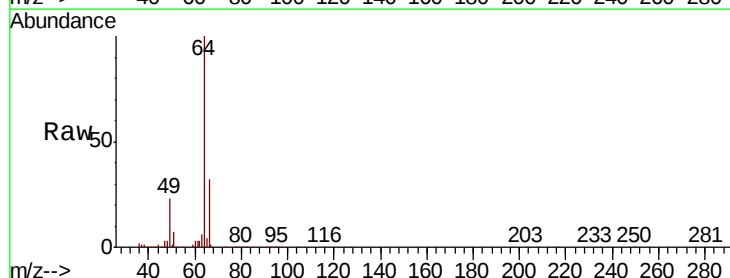
Acq: 08 Sep 2018 02:19

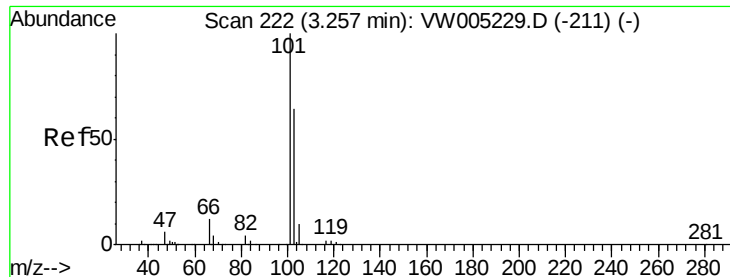
Tgt Ion: 64 Resp: 447259

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



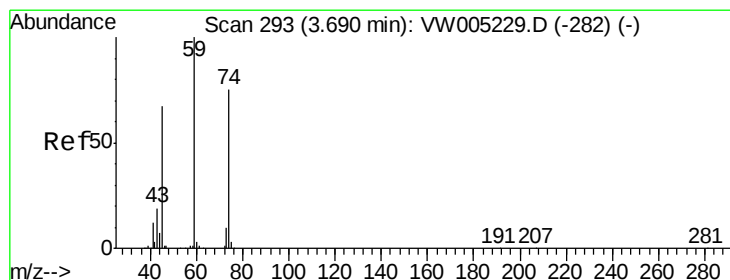
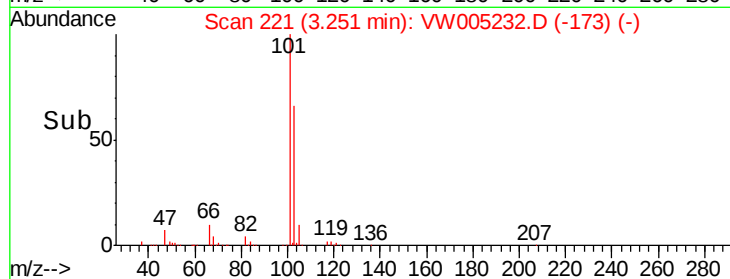
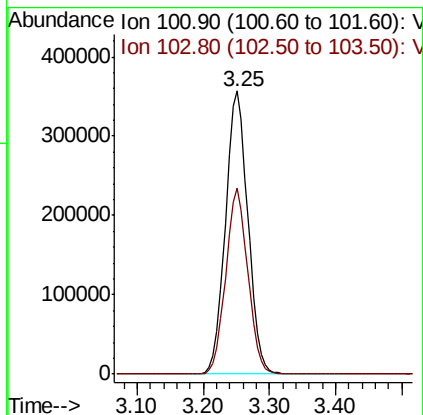
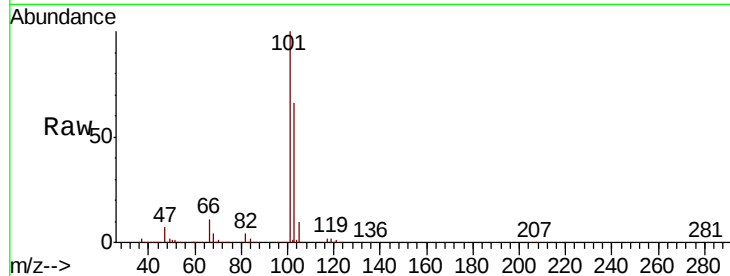


#7

Trichlorofluoromethane
 Concen: 133.772 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

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 VSTDIC150

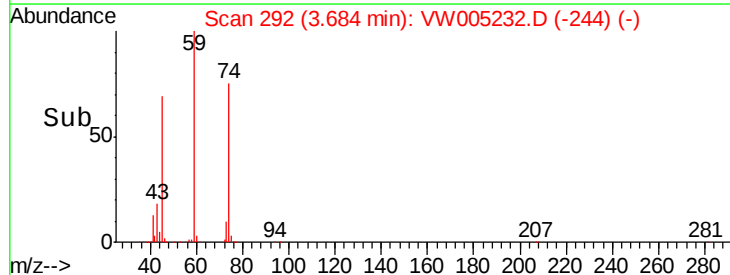
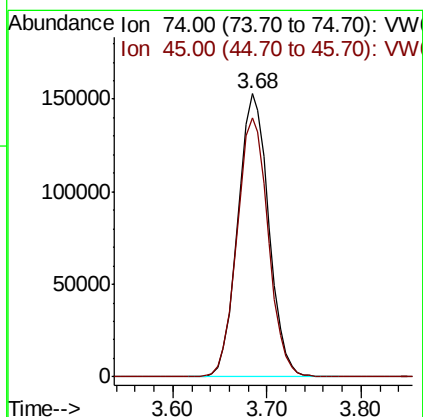
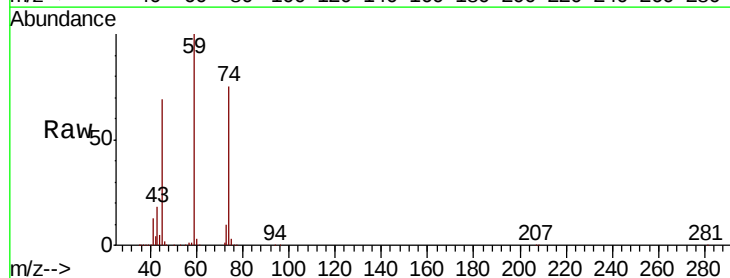
Tgt Ion: 101 Resp: 837918
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.0 76.6

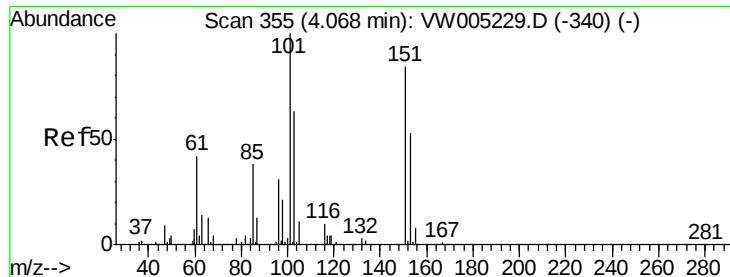


#8

Diethyl Ether
 Concen: 153.689 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

Tgt Ion: 74 Resp: 350770
 Ion Ratio Lower Upper
 74 100
 45 92.2 46.5 139.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 134.691 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

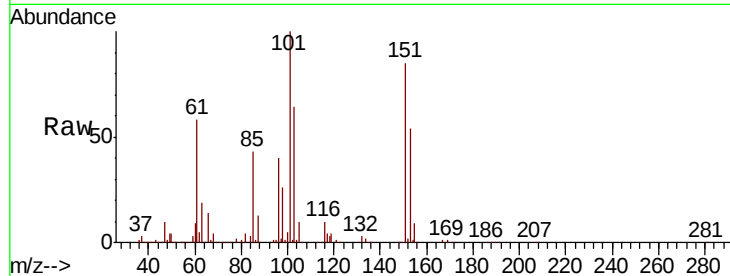
Tgt Ion:101 Resp: 581628

Ion Ratio Lower Upper

101 100

85 41.3 32.5 48.7

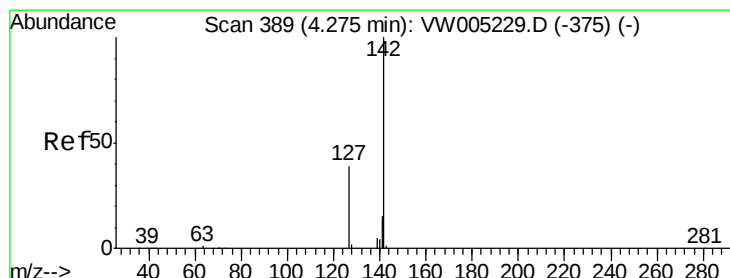
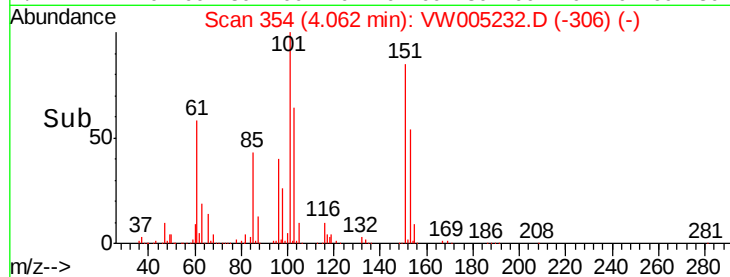
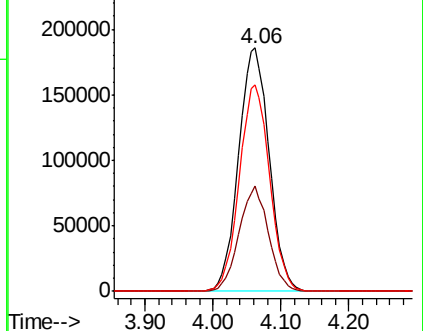
151 83.8 67.7 101.5



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: 159.269 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

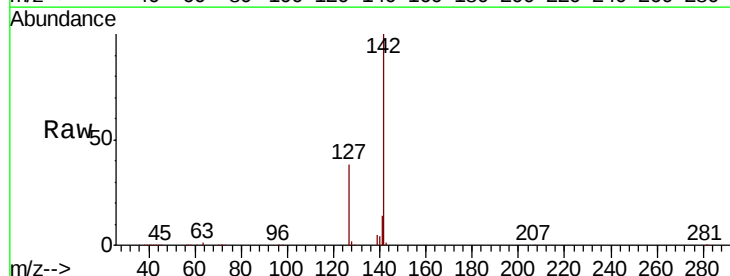
Tgt Ion:142 Resp: 874033

Ion Ratio Lower Upper

142 100

127 38.0 30.6 45.8

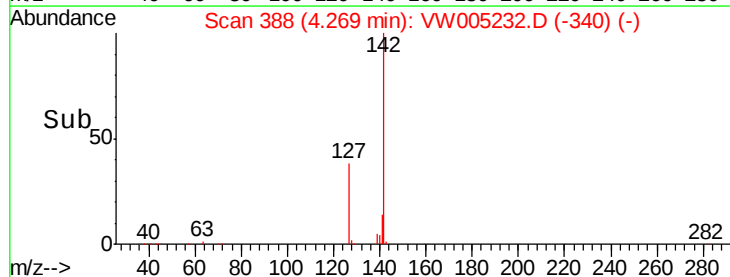
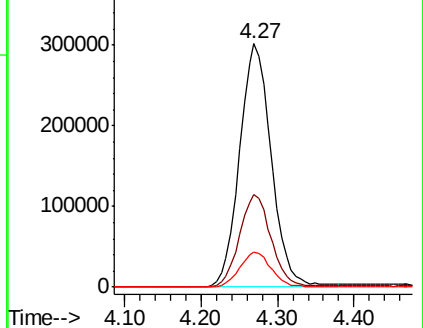
141 14.3 11.6 17.4

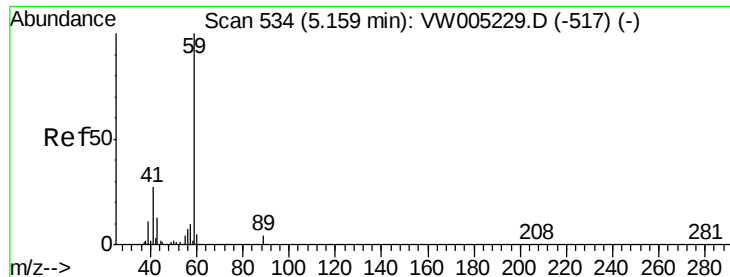


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



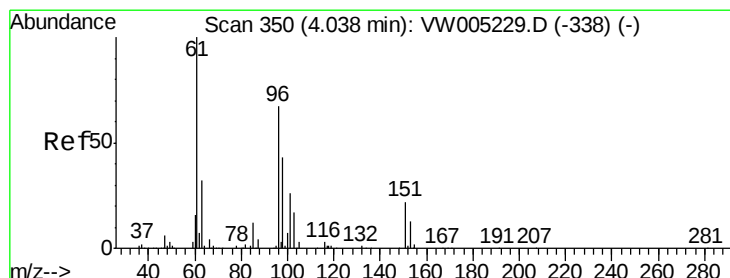
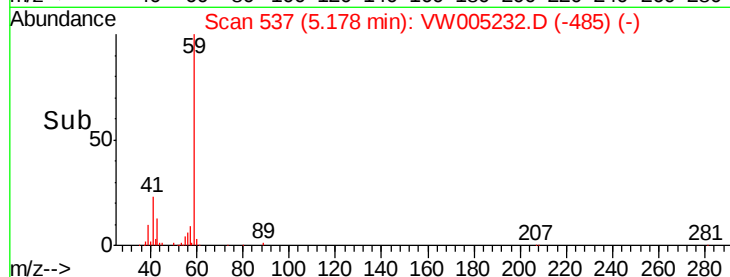
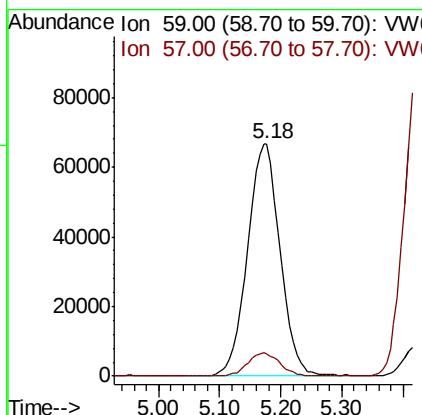
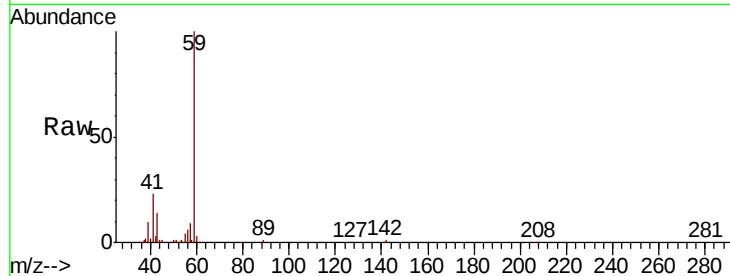


#11

Tert butyl alcohol
Concen: 822.352 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.02 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

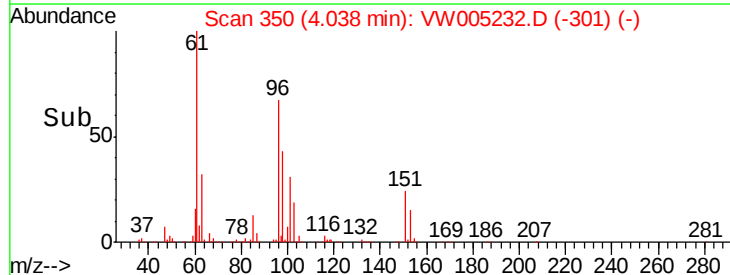
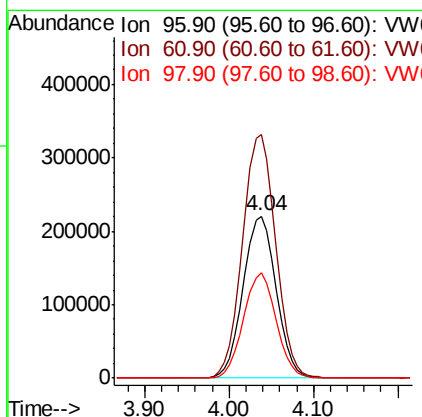
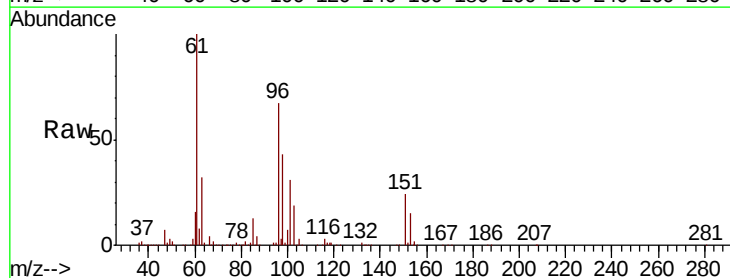
Tgt Ion: 59 Resp: 248291
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4

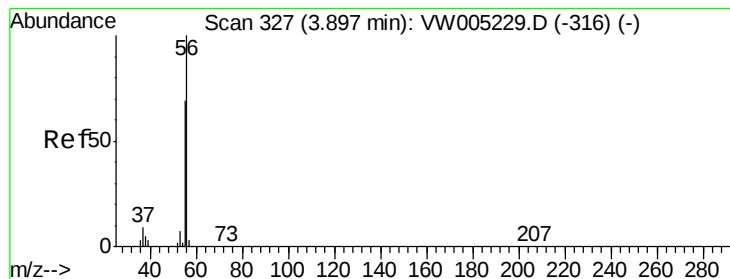


#12

1,1-Dichloroethene
Concen: 147.645 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

Tgt Ion: 96 Resp: 586889
Ion Ratio Lower Upper
96 100
61 150.3 120.3 180.5
98 64.9 51.9 77.9





#13

Acrolein

Concen: 886.845 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

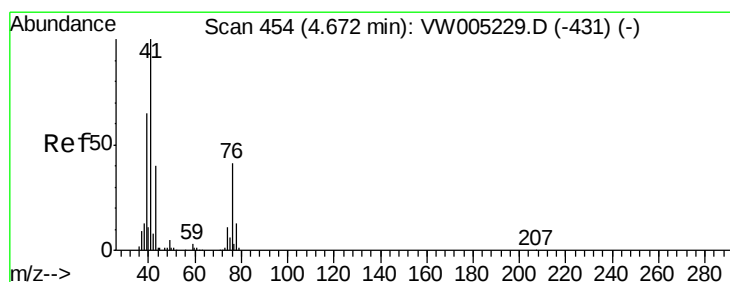
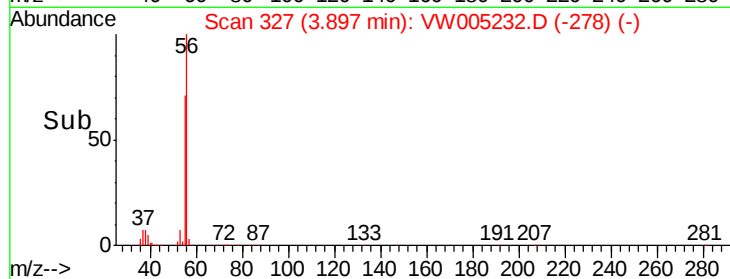
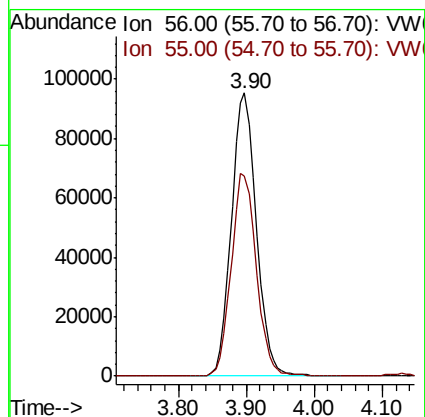
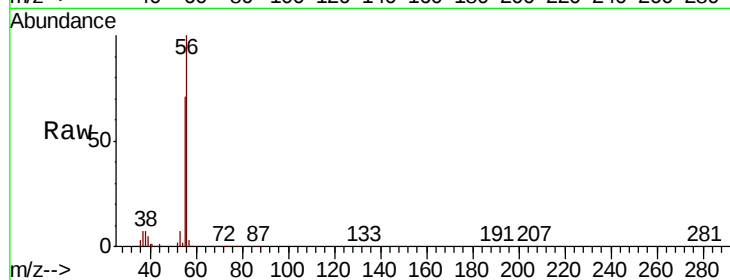
VSTDIC150

Tgt Ion: 56 Resp: 243266

Ion Ratio Lower Upper

56 100

55 72.0 55.7 83.5



#14

Allyl chloride

Concen: 157.797 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

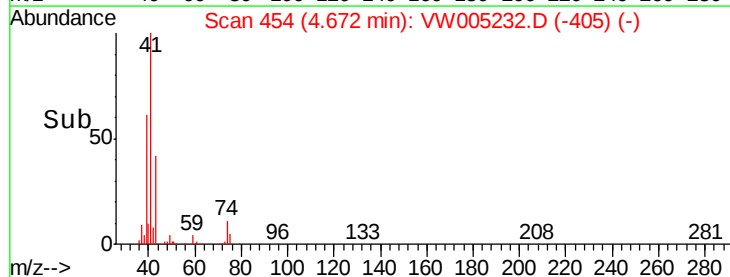
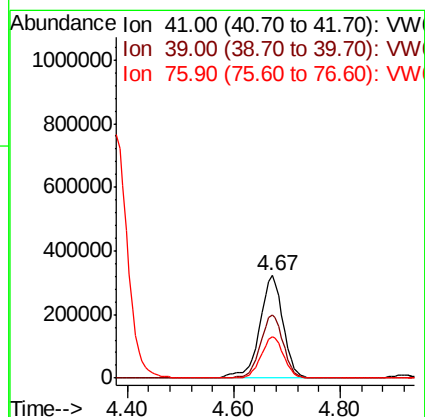
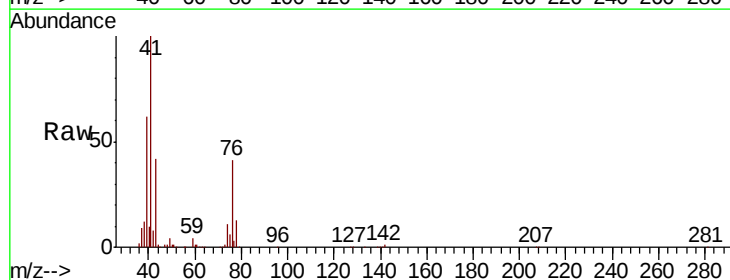
Tgt Ion: 41 Resp: 979175

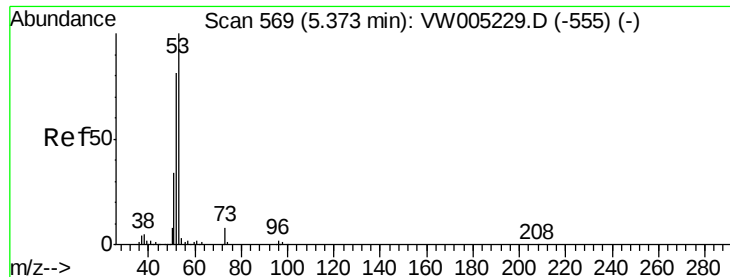
Ion Ratio Lower Upper

41 100

39 60.4 49.1 73.7

76 38.5 31.0 46.6





#15

Acrylonitrile

Concen: 839.220 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

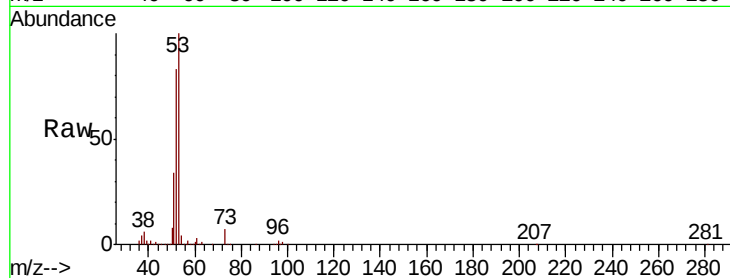
Tgt Ion: 53 Resp: 821783

Ion Ratio Lower Upper

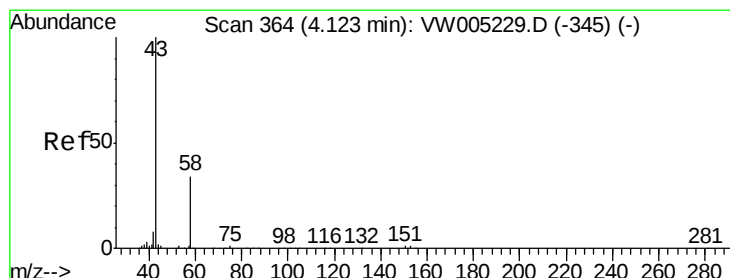
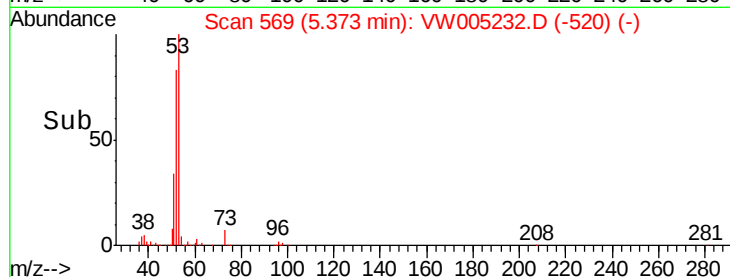
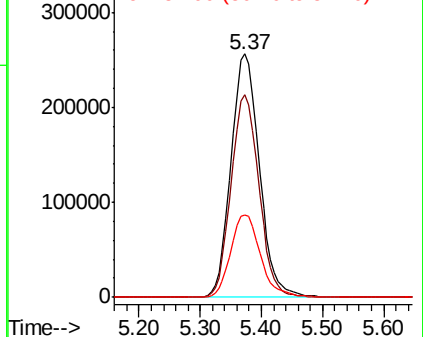
53 100

52 81.8 64.9 97.3

51 35.6 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: 687.225 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW005232.D

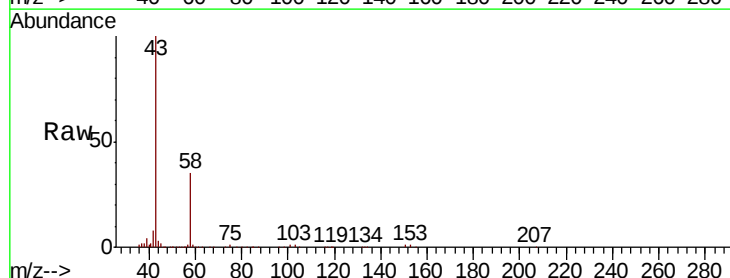
Acq: 08 Sep 2018 02:19

Tgt Ion: 43 Resp: 557569

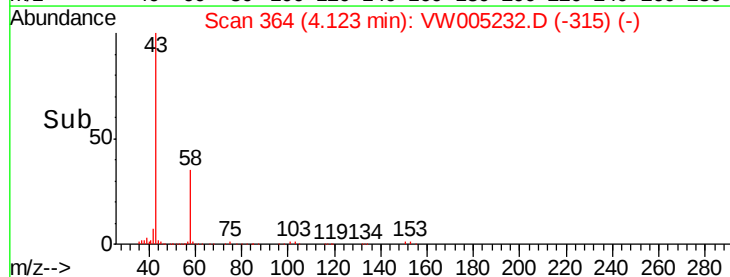
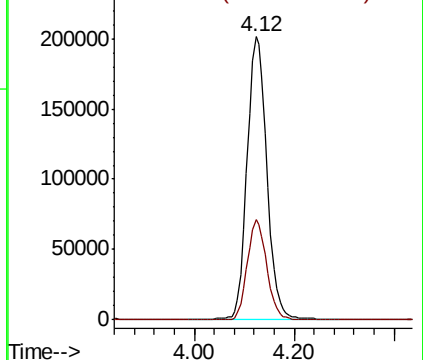
Ion Ratio Lower Upper

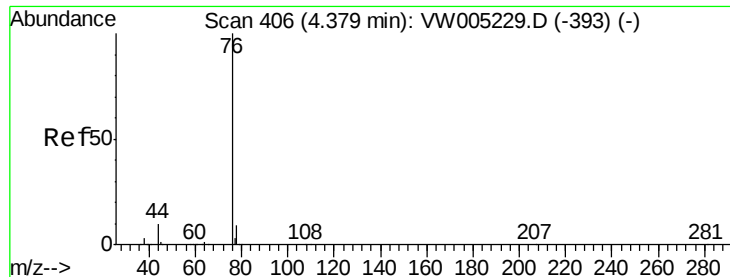
43 100

58 35.2 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: 158.971 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

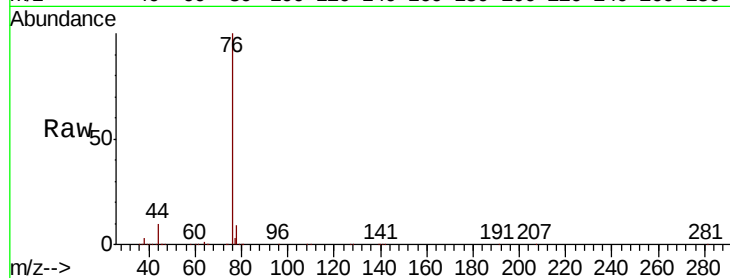
VSTDIC150

Tgt Ion: 76 Resp: 2211048

Ion Ratio Lower Upper

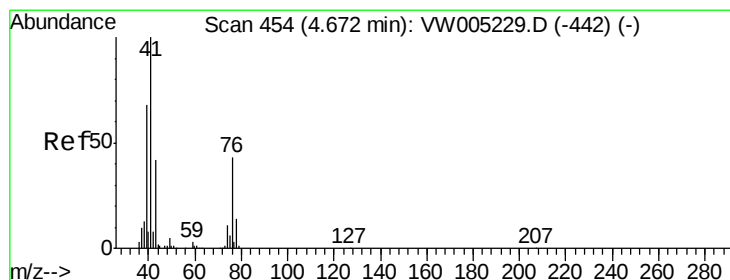
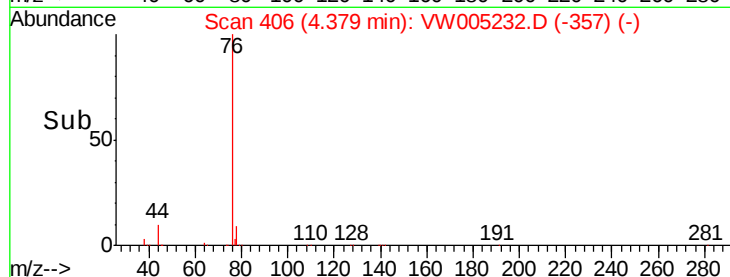
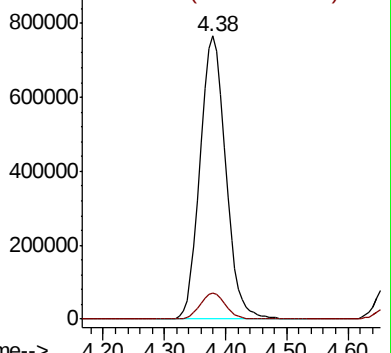
76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 165.318 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW005232.D

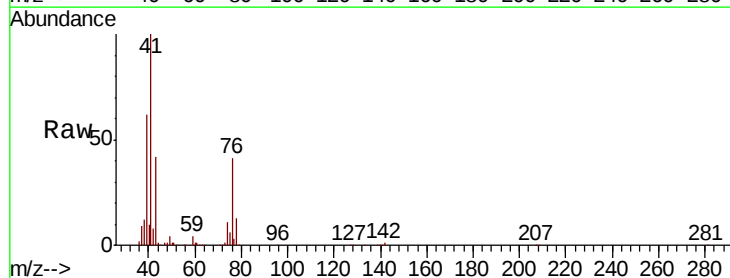
Acq: 08 Sep 2018 02:19

Tgt Ion: 43 Resp: 399761

Ion Ratio Lower Upper

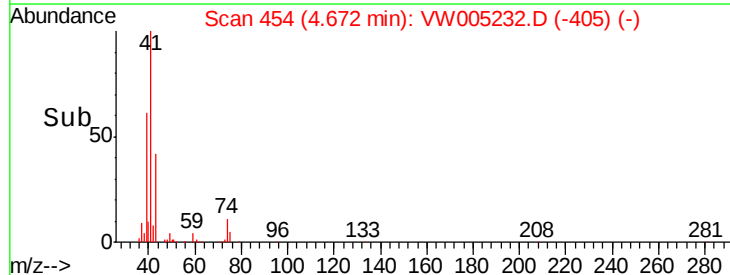
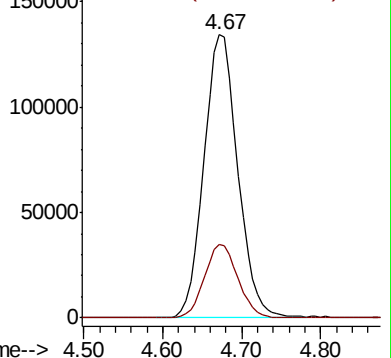
43 100

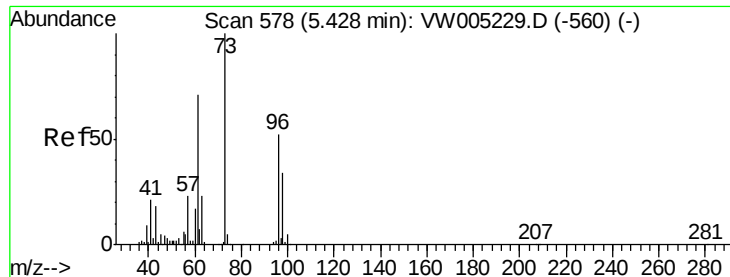
74 25.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

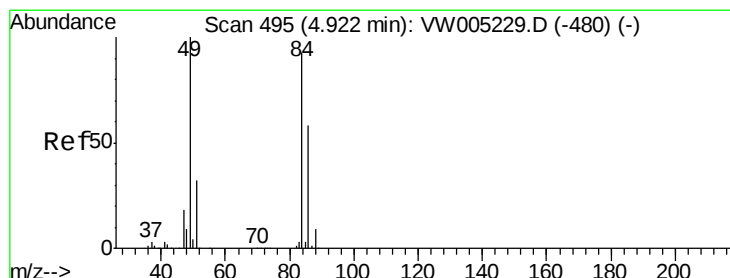
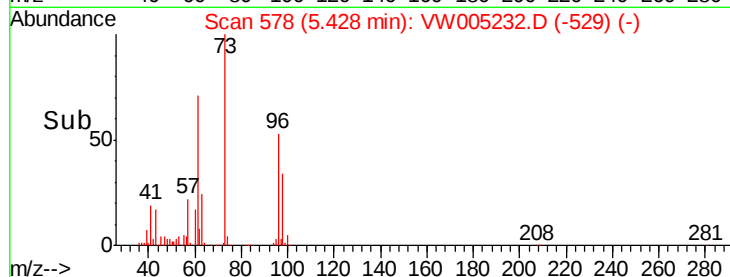
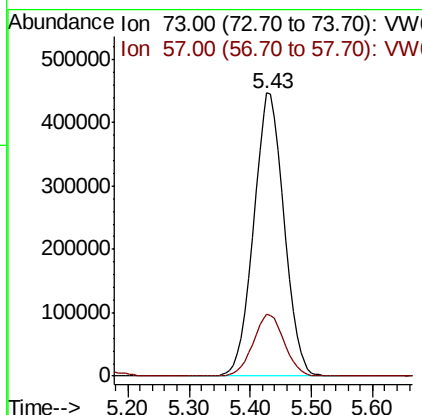
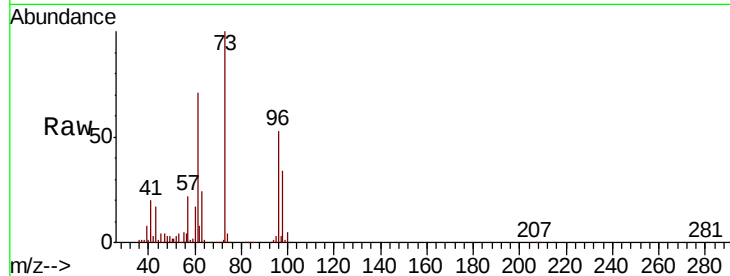




#19
Methyl tert-butyl Ether
Concen: 159.059 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

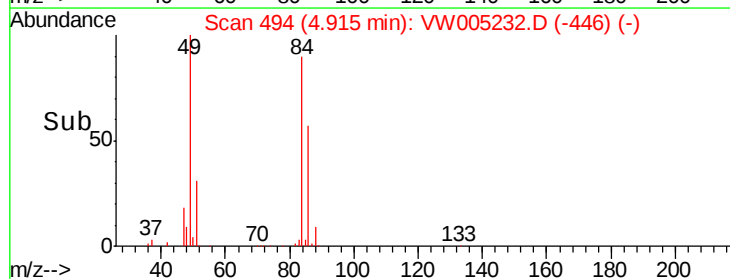
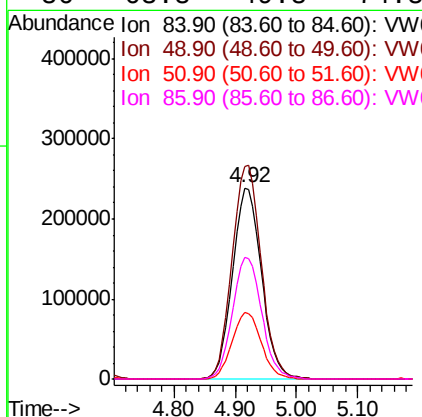
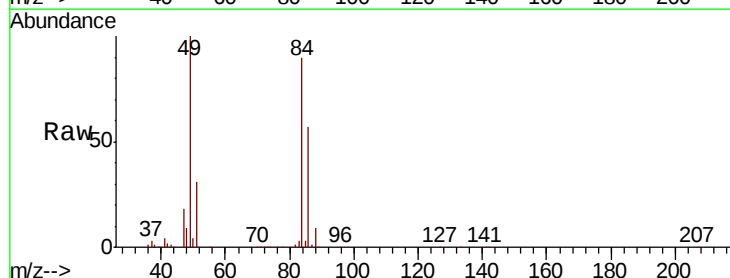
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

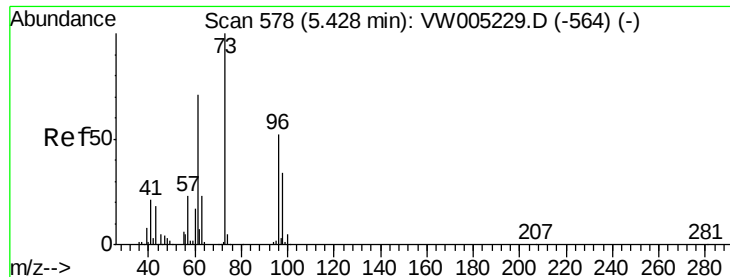
Tgt Ion: 73 Resp: 1548314
Ion Ratio Lower Upper
73 100
57 21.8 18.2 27.2



#20
Methylene Chloride
Concen: 115.052 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

Tgt Ion: 84 Resp: 780701
Ion Ratio Lower Upper
84 100
49 111.6 85.8 128.6
51 34.8 27.7 41.5
86 63.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 148.459 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

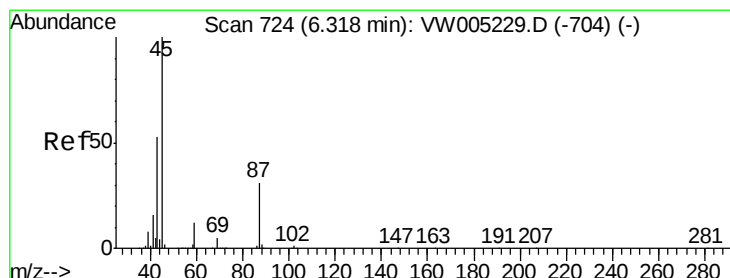
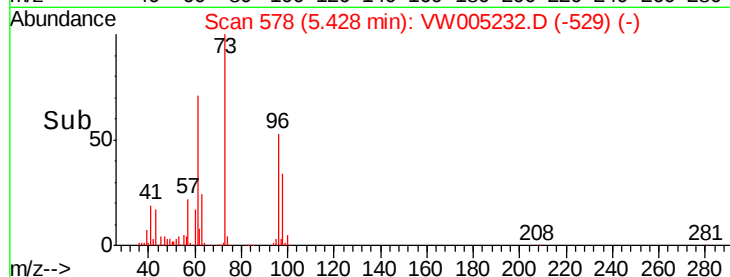
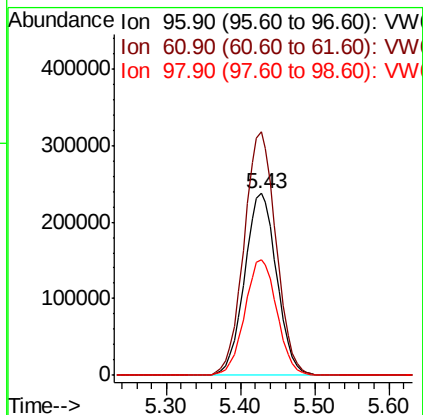
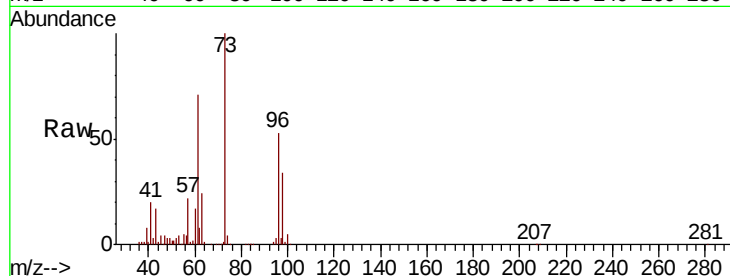
Tgt Ion: 96 Resp: 718382

Ion Ratio Lower Upper

96 100

61 133.8 108.2 162.4

98 63.6 51.9 77.9



#22

Diisopropyl ether

Concen: 155.804 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Tgt Ion: 45 Resp: 2038069

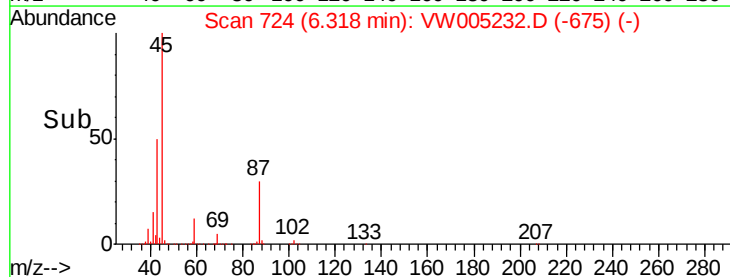
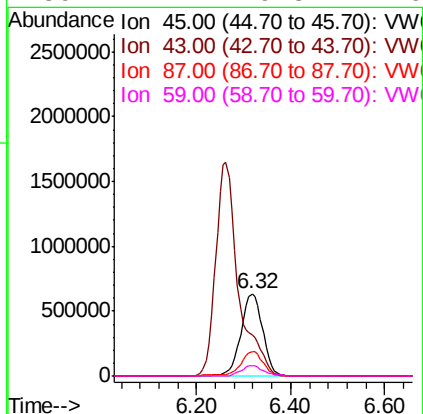
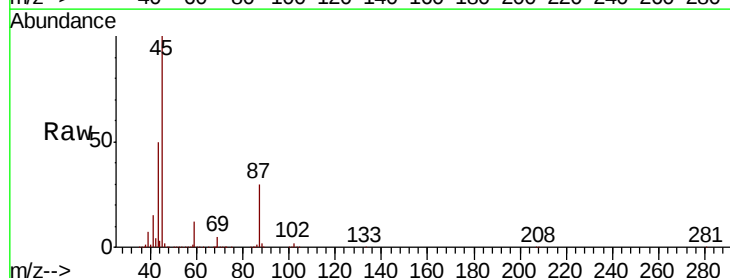
Ion Ratio Lower Upper

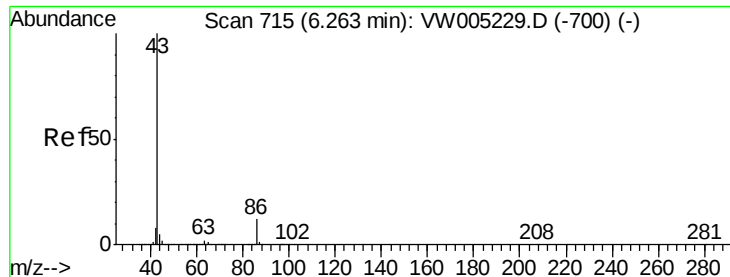
45 100

43 49.6 42.5 63.7

87 29.7 24.7 37.1

59 12.4 9.8 14.6





#23

Vinyl Acetate

Concen: 799.405 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

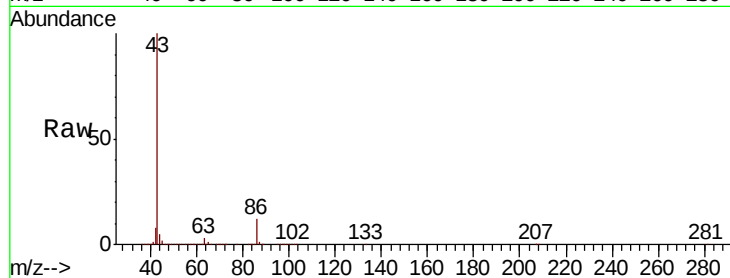
VSTDIC150

Tgt Ion: 43 Resp: 5524609

Ion Ratio Lower Upper

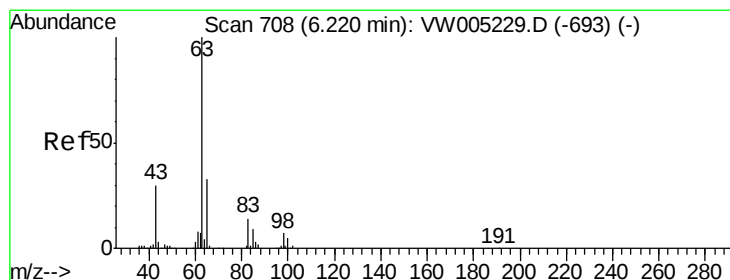
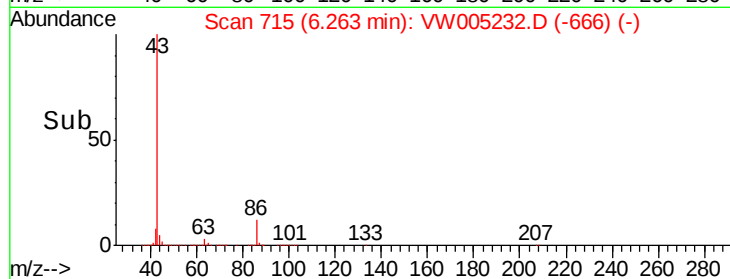
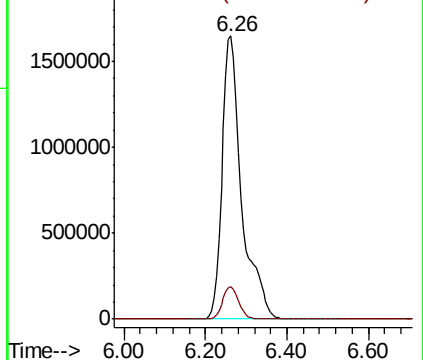
43 100

86 11.5 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: 148.910 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

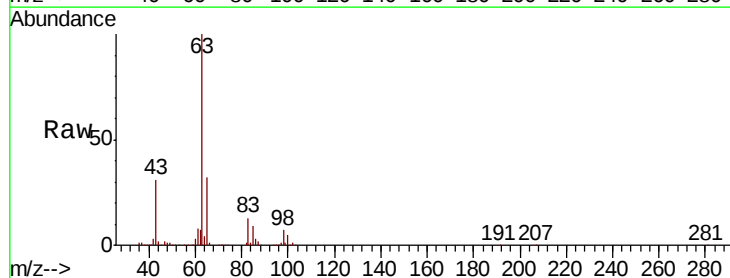
Tgt Ion: 63 Resp: 1213310

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

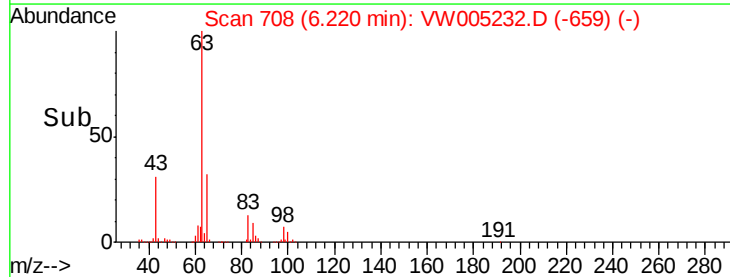
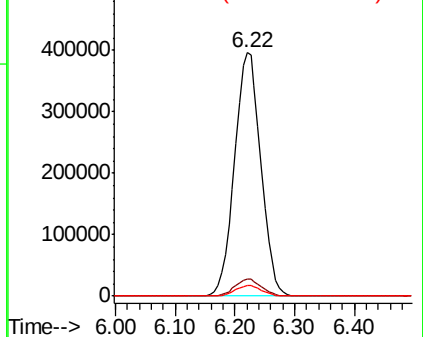
100 4.6 2.3 6.8

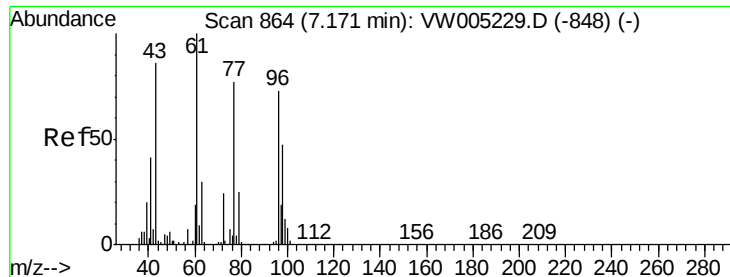


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 657.150 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

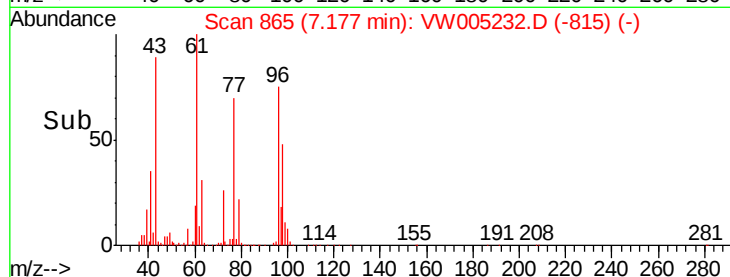
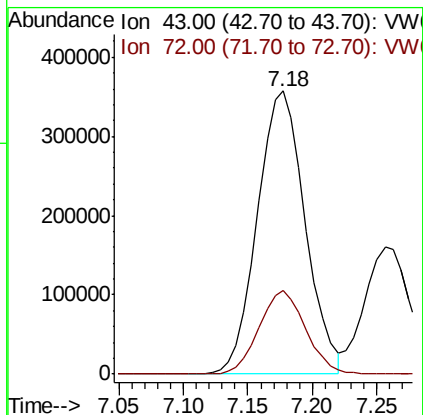
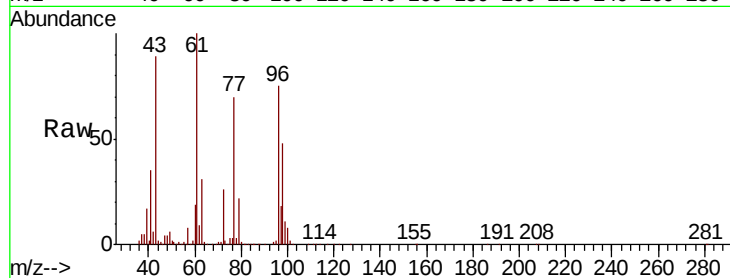
VSTDIC150

Tgt Ion: 43 Resp: 916268

Ion Ratio Lower Upper

43 100

72 29.6 22.6 33.8



#26

2,2-Dichloropropane

Concen: 125.441 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW005232.D

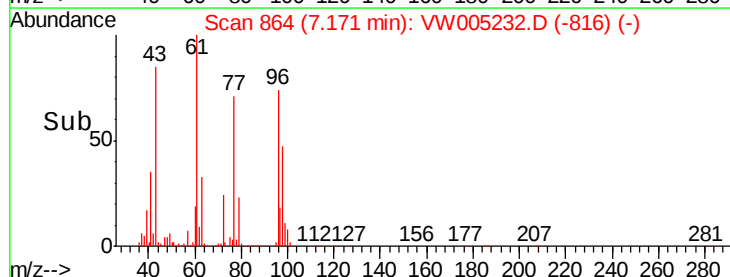
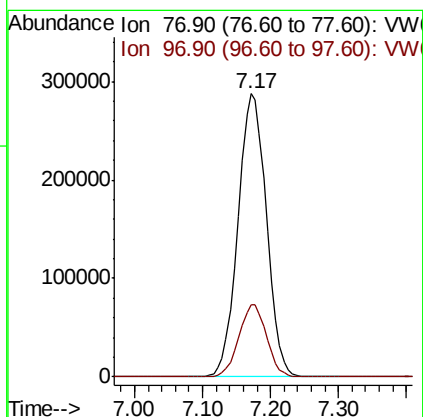
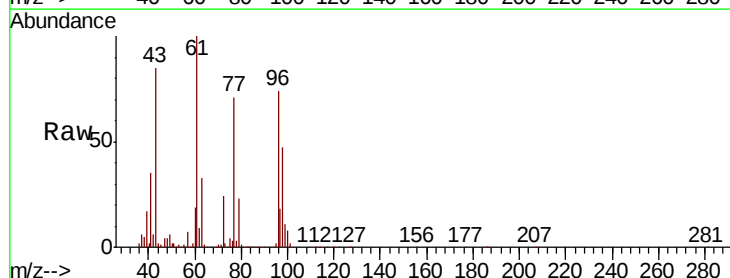
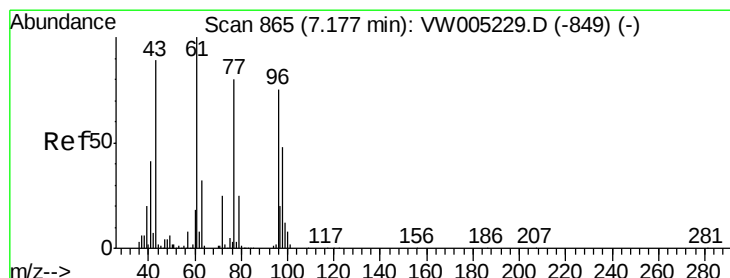
Acq: 08 Sep 2018 02:19

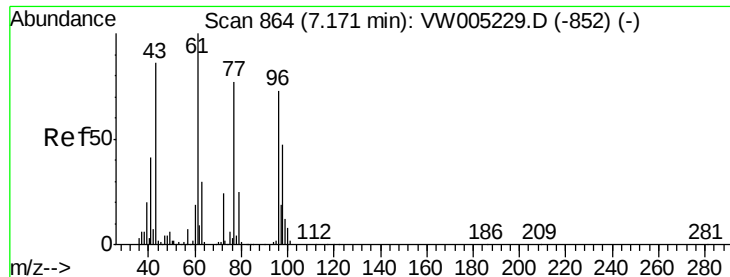
Tgt Ion: 77 Resp: 834123

Ion Ratio Lower Upper

77 100

97 25.0 12.3 36.9



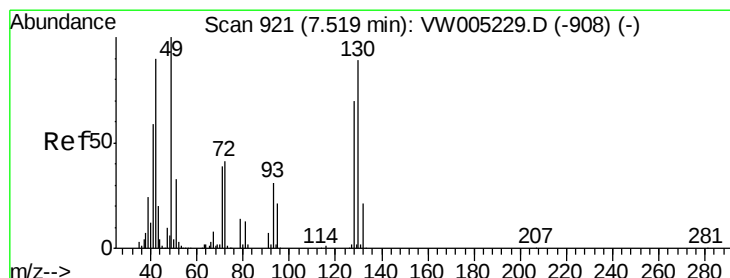
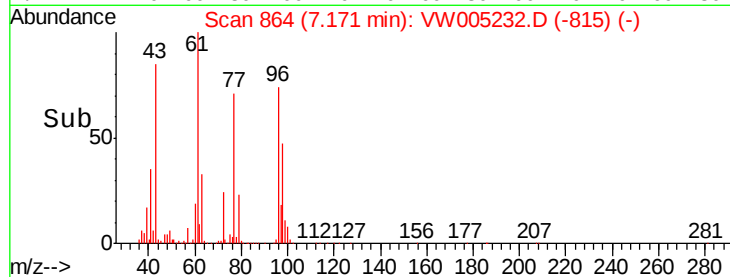
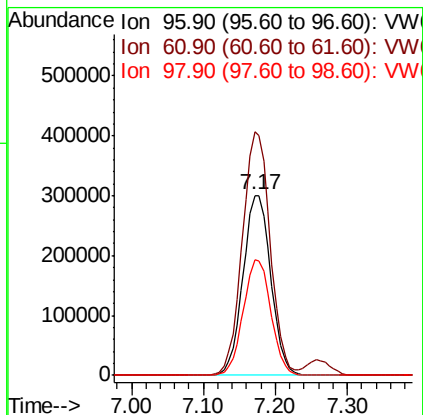
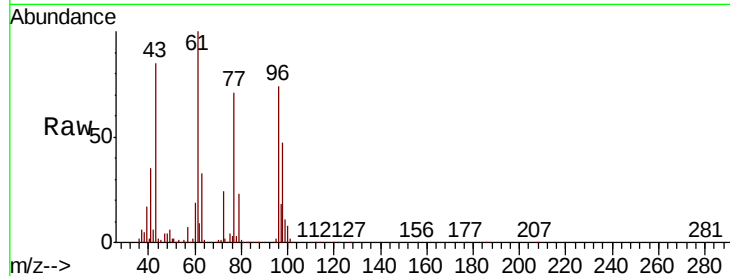


#27

cis-1,2-Dichloroethene
 Concen: 152.119 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

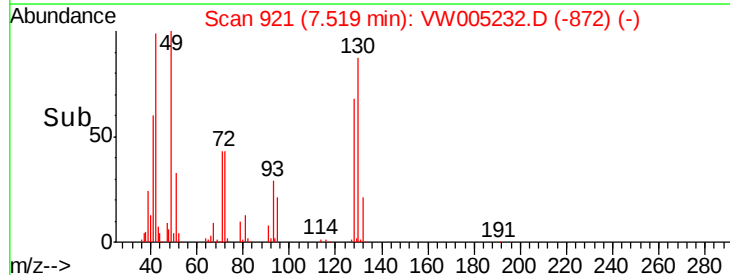
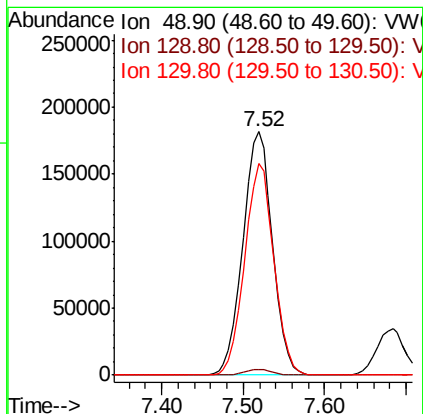
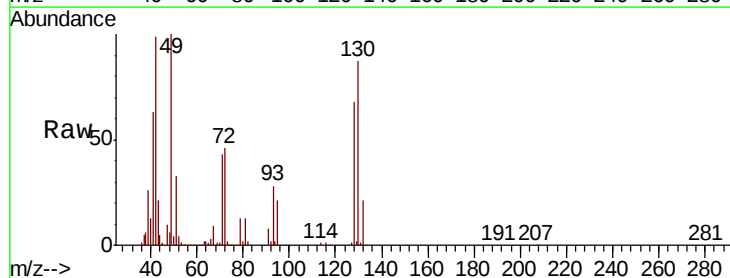
Tgt Ion: 96 Resp: 803670
 Ion Ratio Lower Upper
 96 100
 61 135.9 0.0 274.6
 98 64.1 0.0 129.6

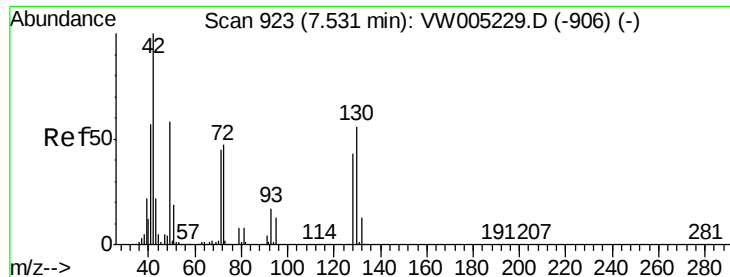


#28

Bromochloromethane
 Concen: 139.933 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

Tgt Ion: 49 Resp: 458076
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.0
 130 86.0 70.0 105.0





#29

Tetrahydrofuran

Concen: 883.724 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

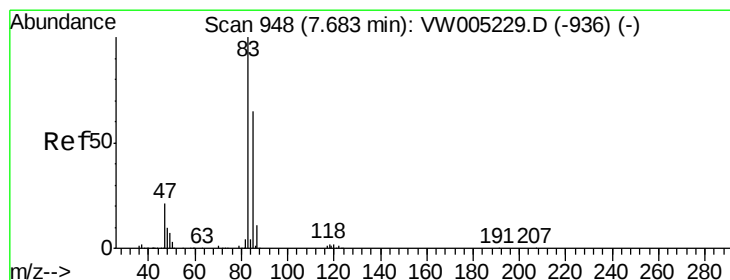
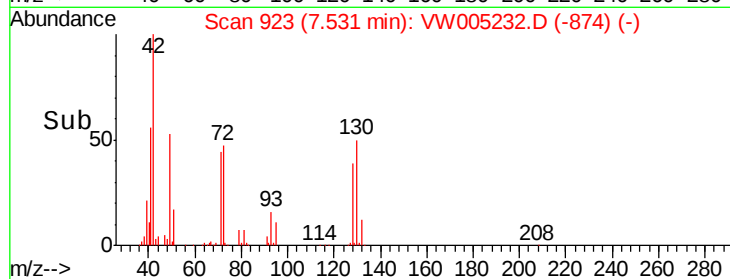
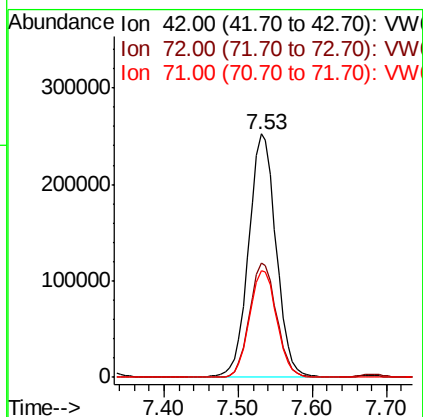
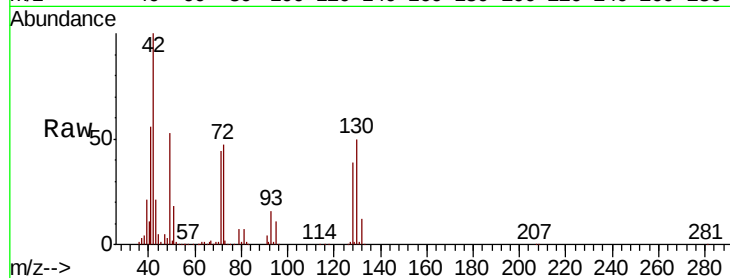
Tgt Ion: 42 Resp: 652974

Ion Ratio Lower Upper

42 100

72 46.4 37.4 56.2

71 43.7 35.5 53.3



#30

Chloroform

Concen: 145.561 ug/l

RT: 7.68 min Scan# 948

Delta R.T. 0.00 min

Lab File: VW005232.D

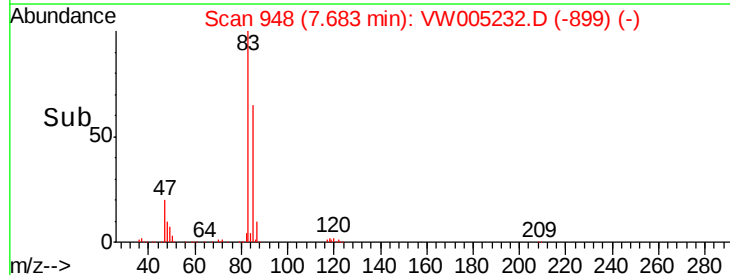
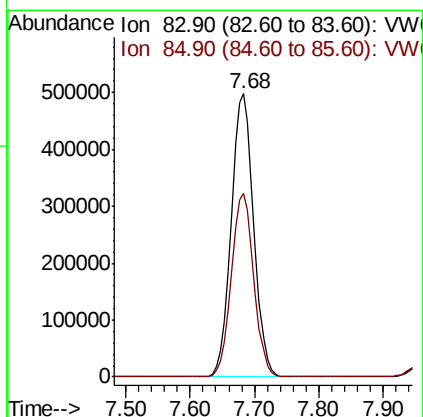
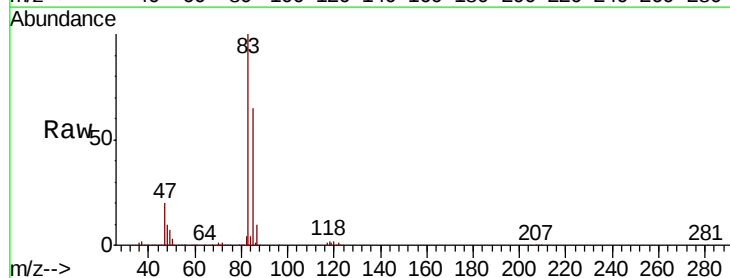
Acq: 08 Sep 2018 02:19

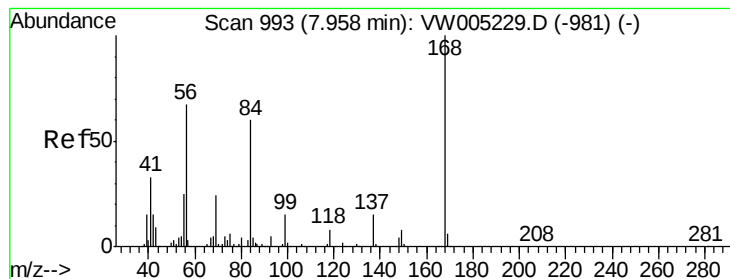
Tgt Ion: 83 Resp: 1210296

Ion Ratio Lower Upper

83 100

85 64.7 51.9 77.9





#31

Cyclohexane

Concen: 132.817 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

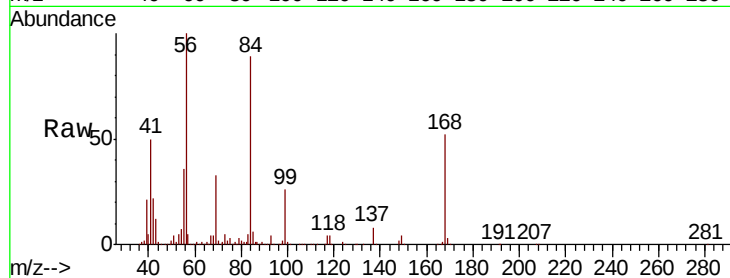
Tgt Ion: 56 Resp: 1069609

Ion Ratio Lower Upper

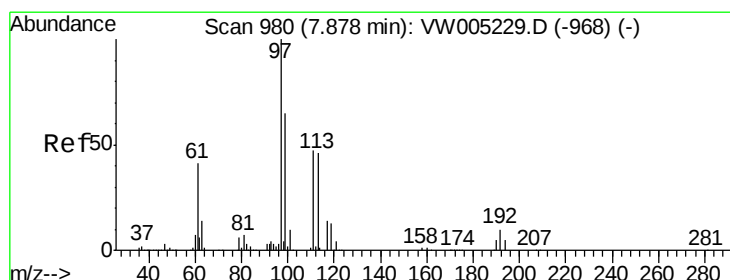
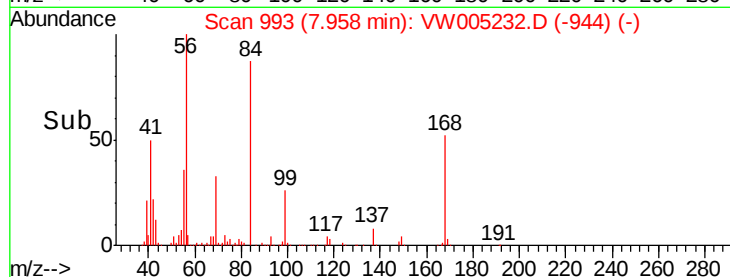
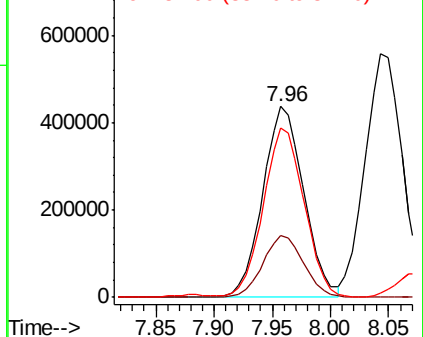
56 100

69 32.7 28.2 42.4

84 87.2 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: 133.232 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

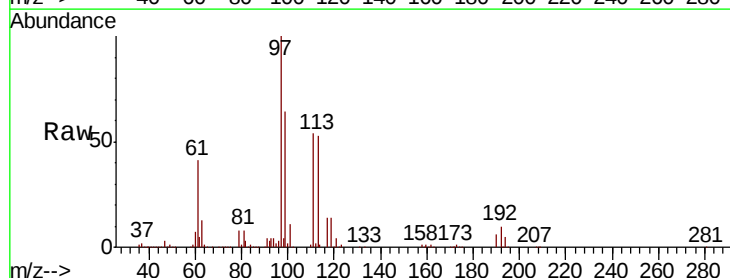
Tgt Ion: 97 Resp: 965652

Ion Ratio Lower Upper

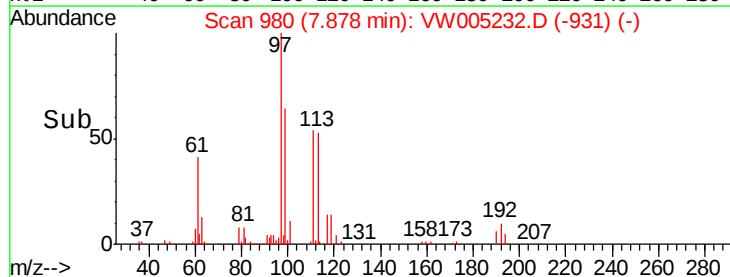
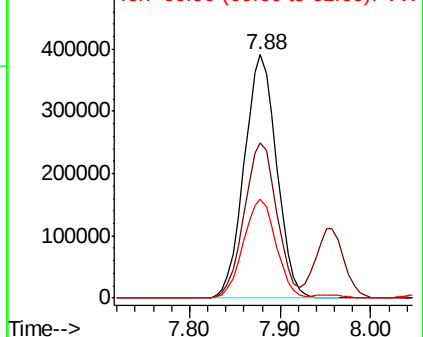
97 100

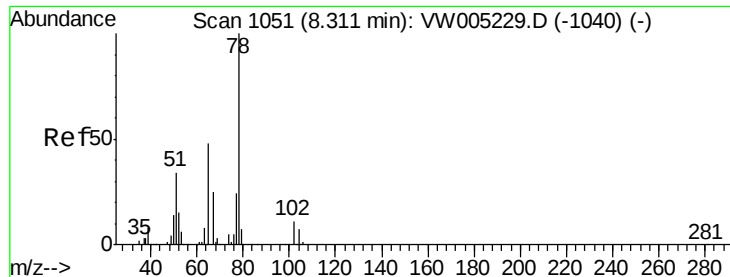
99 64.6 51.8 77.6

61 41.0 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: 148.998 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

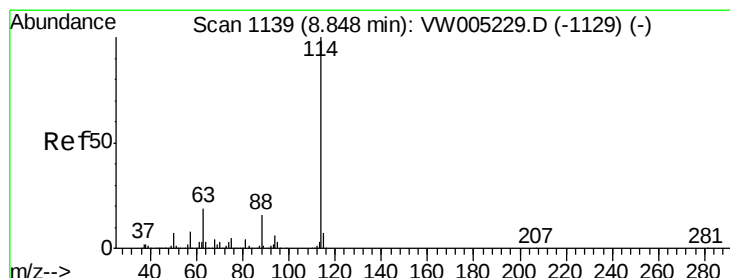
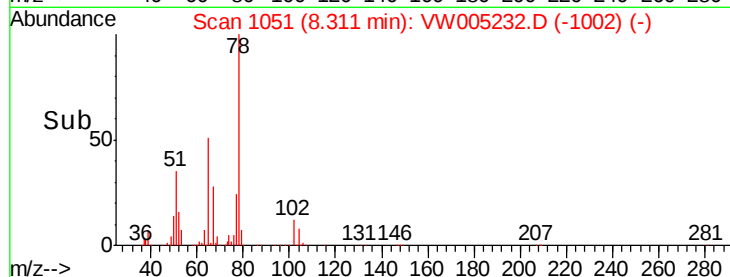
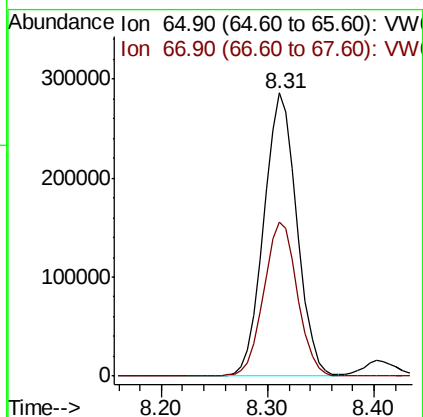
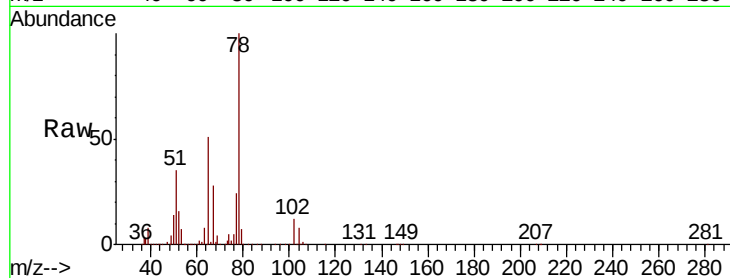
VSTDIC150

Tgt Ion: 65 Resp: 618365

Ion Ratio Lower Upper

65 100

67 55.4 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: VW005232.D

Acq: 08 Sep 2018 02:19

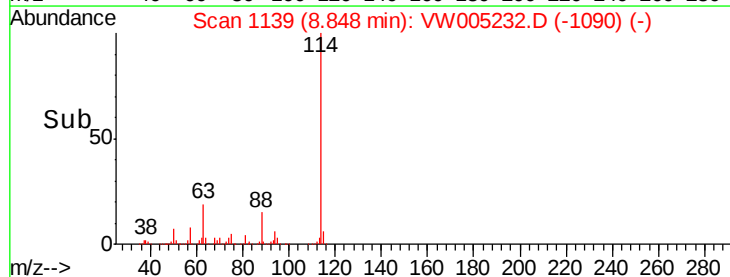
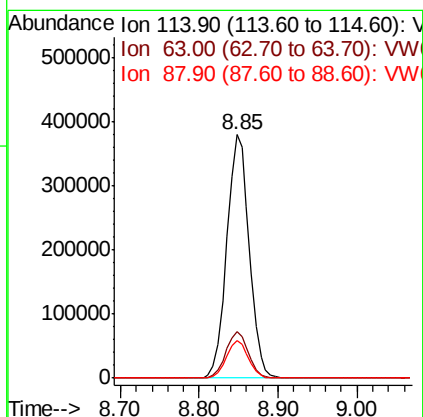
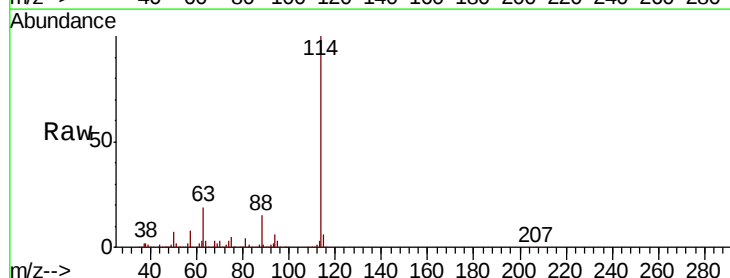
Tgt Ion: 114 Resp: 746630

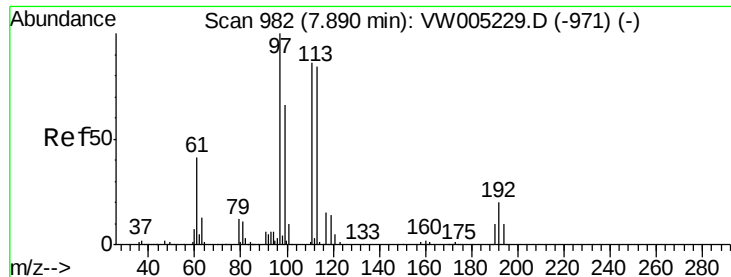
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.8

88 15.3 0.0 31.2

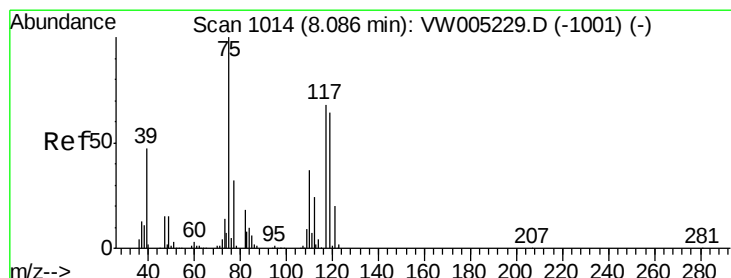
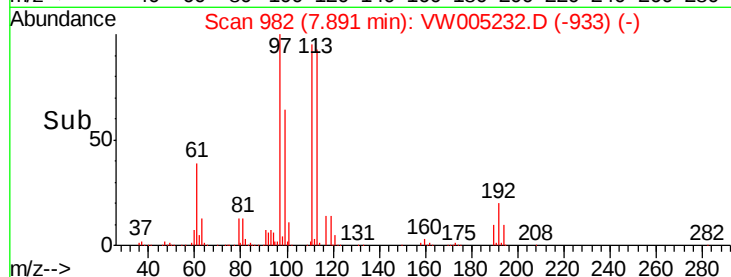
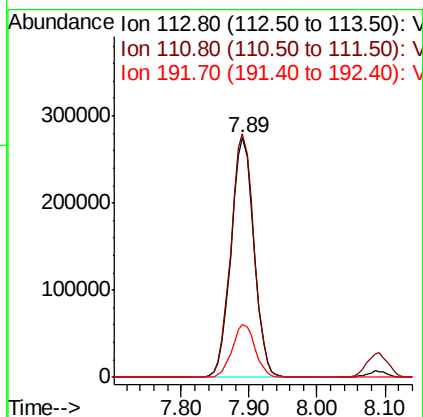
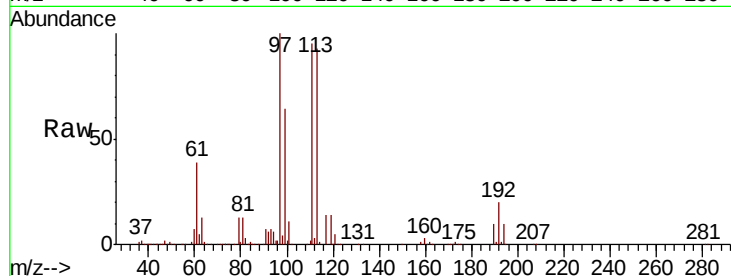




#35
 Dibromofluoromethane
 Concen: 149.492 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

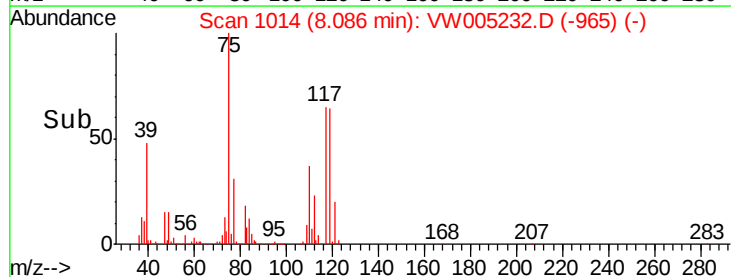
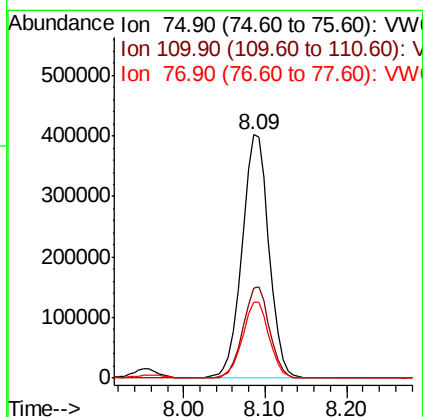
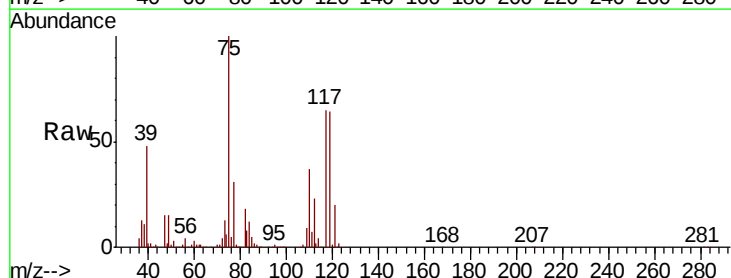
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

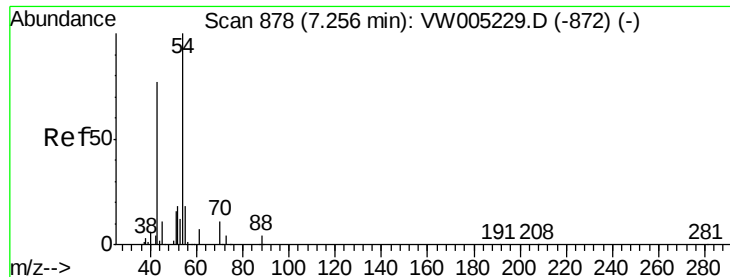
Tgt Ion: 113 Resp: 640954
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.0 123.0
 192 22.1 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 131.441 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

Tgt Ion: 75 Resp: 917013
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.8 56.4
 77 31.3 25.2 37.8

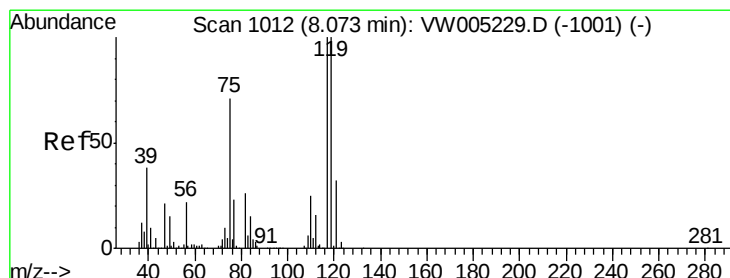
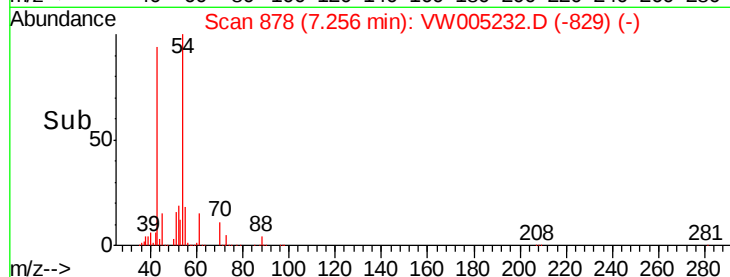
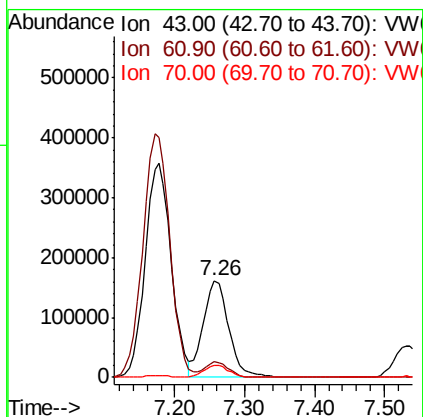
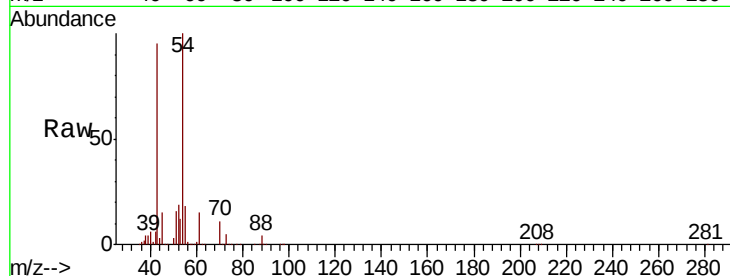




#37
 Ethyl Acetate
 Concen: 154.343 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

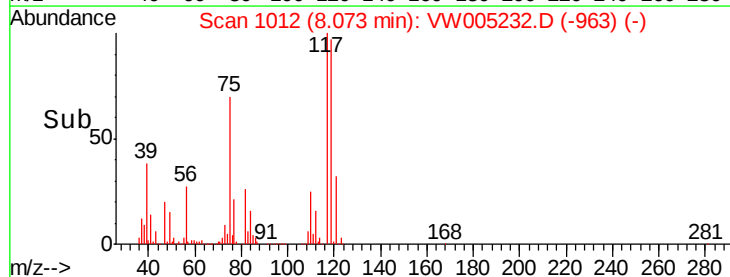
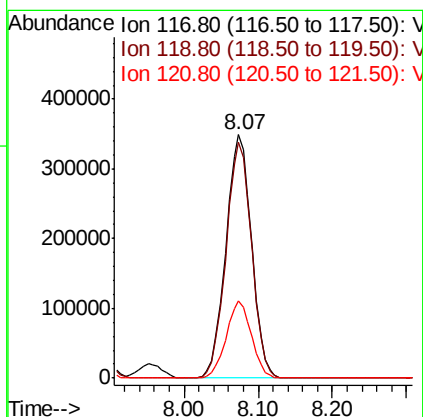
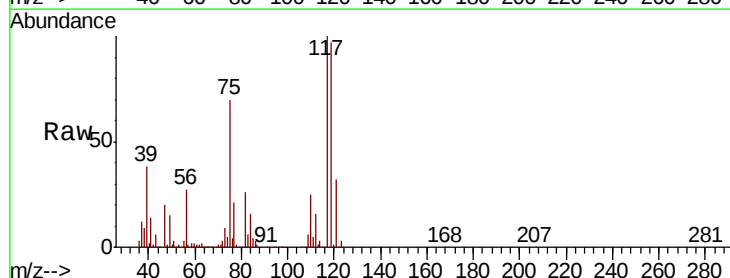
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

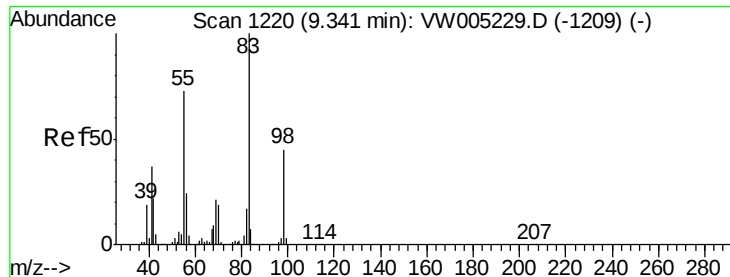
Tgt Ion: 43 Resp: 409061
 Ion Ratio Lower Upper
 43 100
 61 14.6 11.4 17.2
 70 11.9 9.6 14.4



#38
 Carbon Tetrachloride
 Concen: 126.975 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

Tgt Ion: 117 Resp: 839354
 Ion Ratio Lower Upper
 117 100
 119 96.8 79.7 119.5
 121 31.6 25.4 38.0





#39

Methylcyclohexane

Concen: 155.055 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

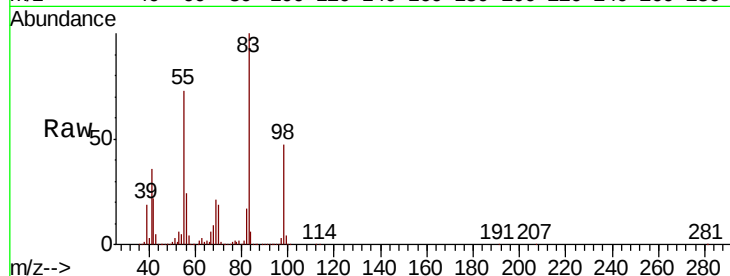
Tgt Ion: 83 Resp: 1314534

Ion Ratio Lower Upper

83 100

55 73.3 58.7 88.1

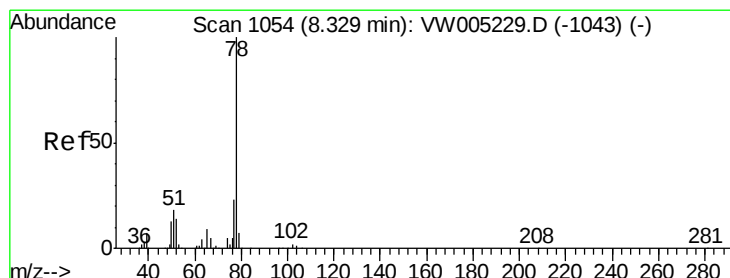
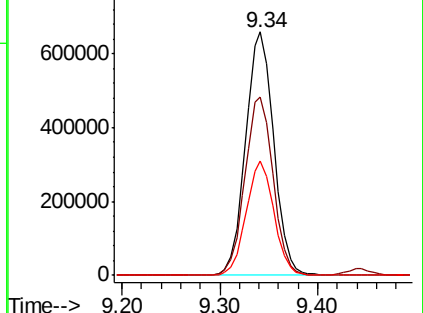
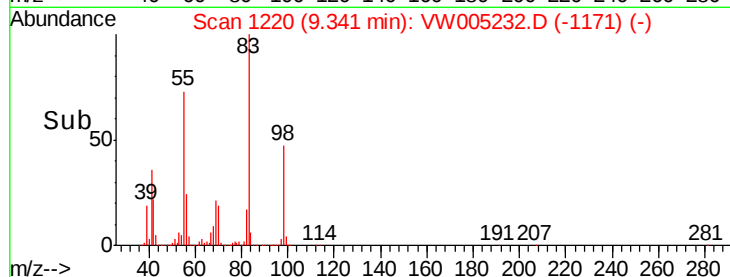
98 46.9 36.1 54.1



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: 138.614 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW005232.D

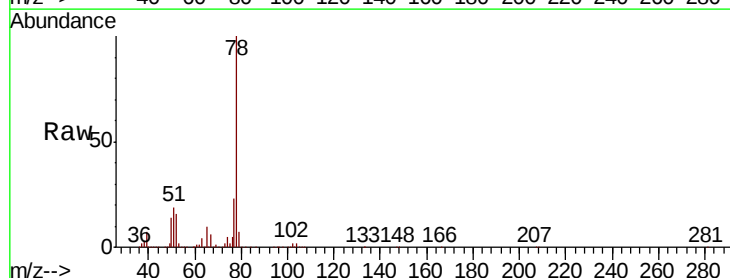
Acq: 08 Sep 2018 02:19

Tgt Ion: 78 Resp: 2963634

Ion Ratio Lower Upper

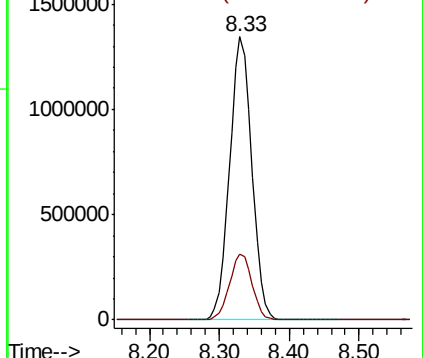
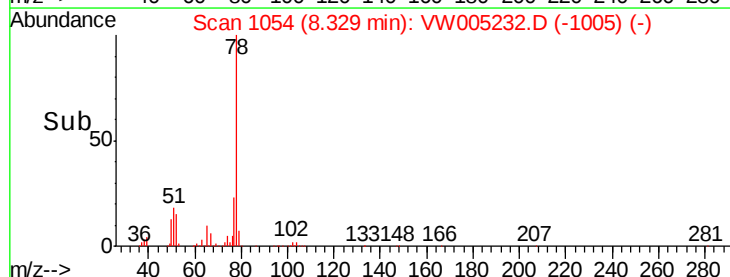
78 100

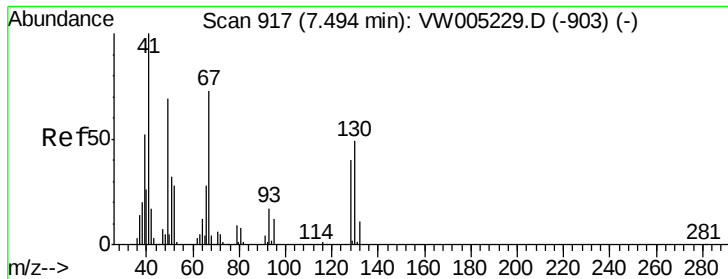
77 23.3 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

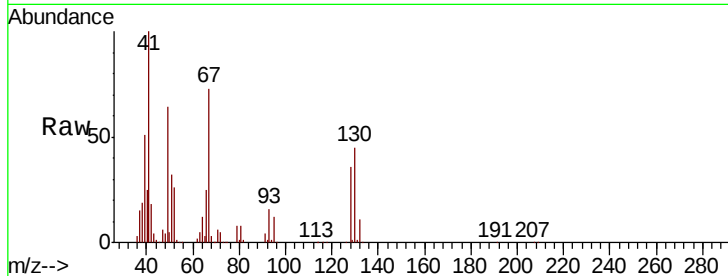




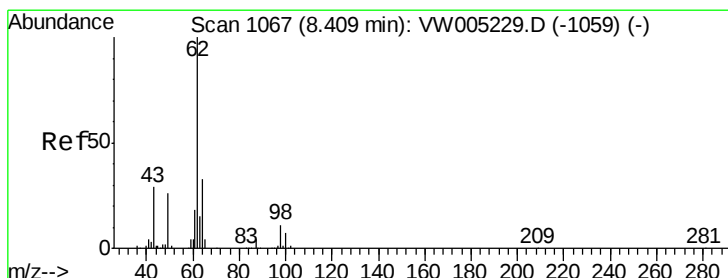
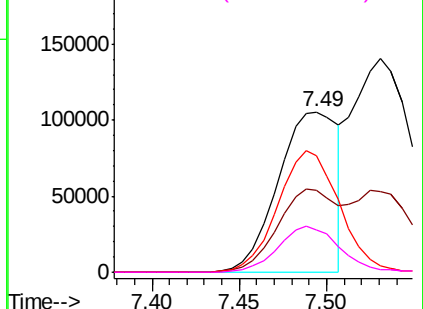
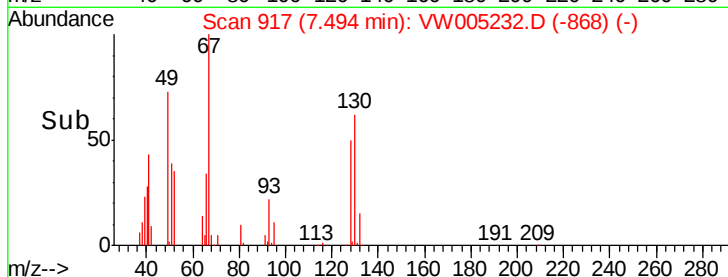
#41
Methacrylonitrile
Concen: 165.609 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:	41	Resp:	251493
Ion	Ratio	Lower	Upper
41	100		
39	50.4	40.8	61.2
67	78.6	63.6	95.4
52	29.6	24.6	36.8

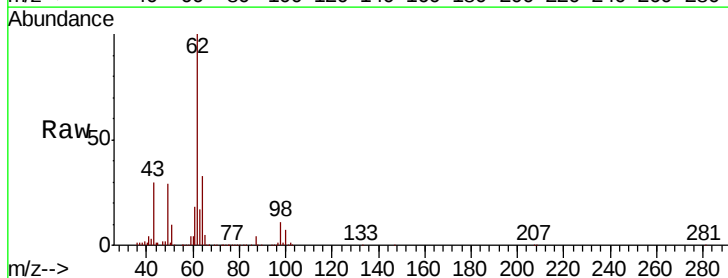


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

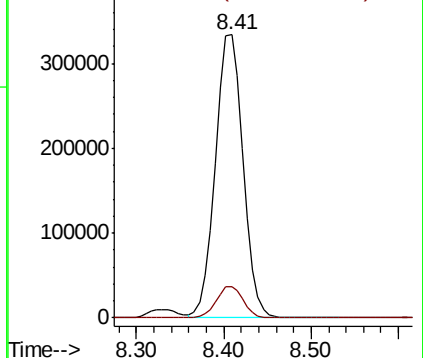
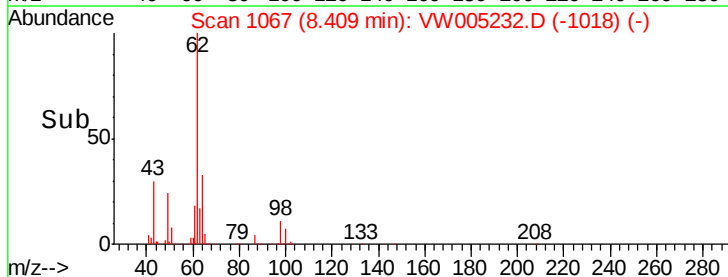


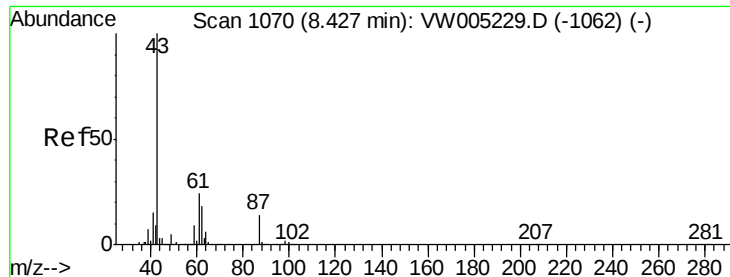
#42
1,2-Dichloroethane
Concen: 139.966 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

Tgt Ion:	62	Resp:	731435
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 163.094 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

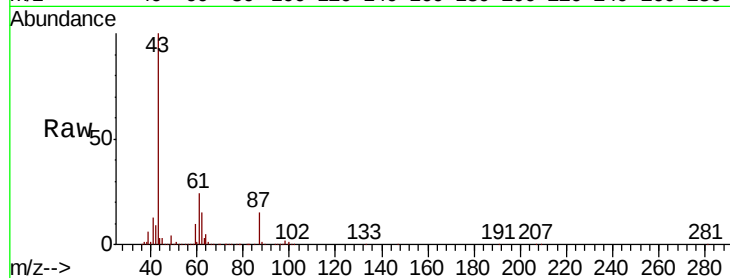
Tgt Ion: 43 Resp: 789203

Ion Ratio Lower Upper

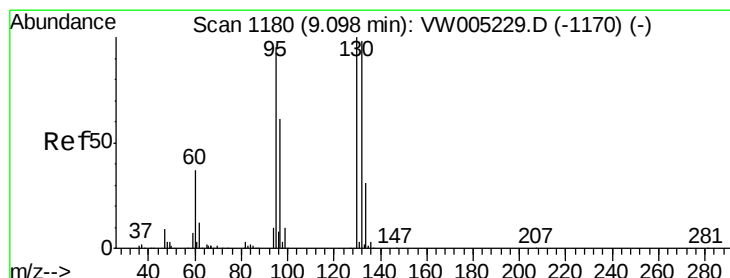
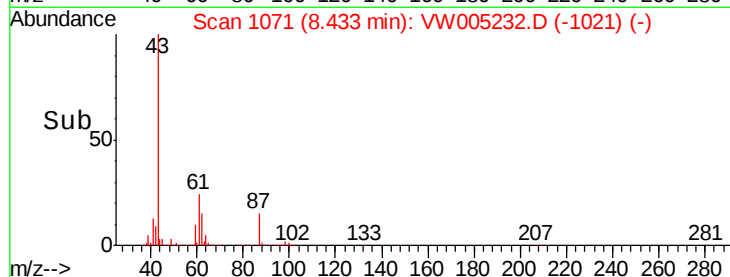
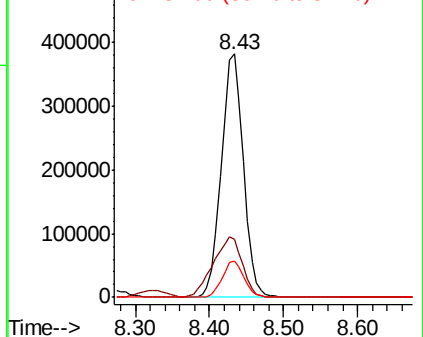
43 100

61 32.5 26.6 39.8

87 14.7 12.2 18.2



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



#44

Trichloroethene

Concen: 132.214 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW005232.D

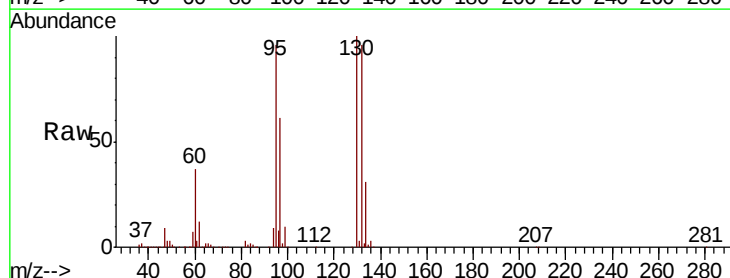
Acq: 08 Sep 2018 02:19

Tgt Ion: 130 Resp: 761259

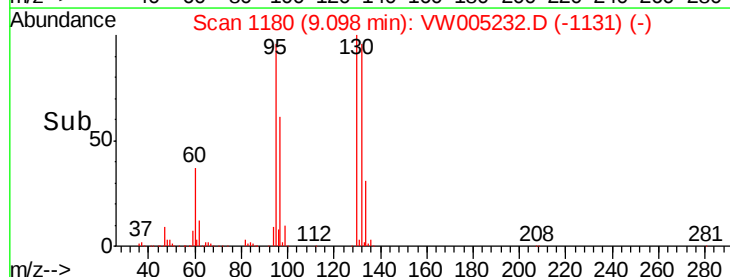
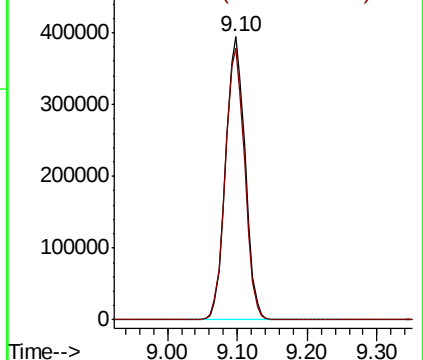
Ion Ratio Lower Upper

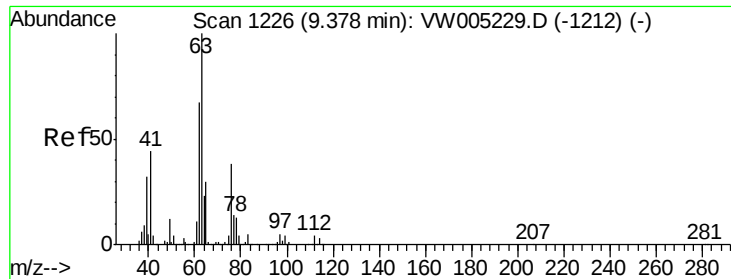
130 100

95 95.9 0.0 189.8



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

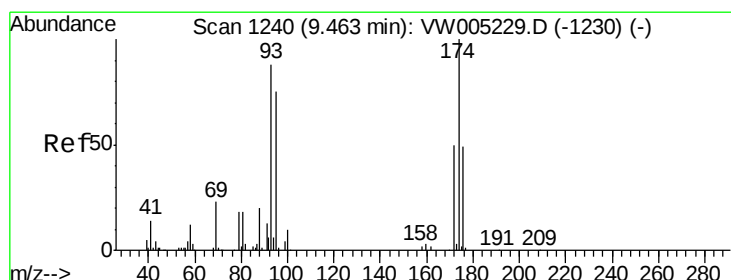
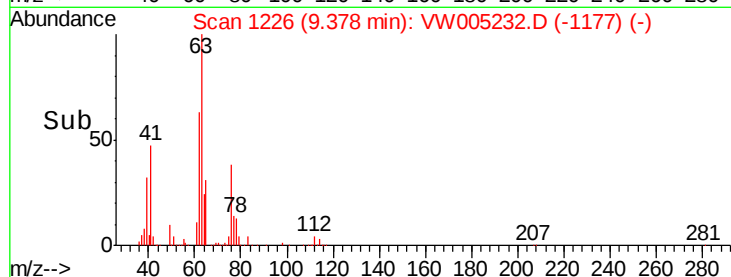
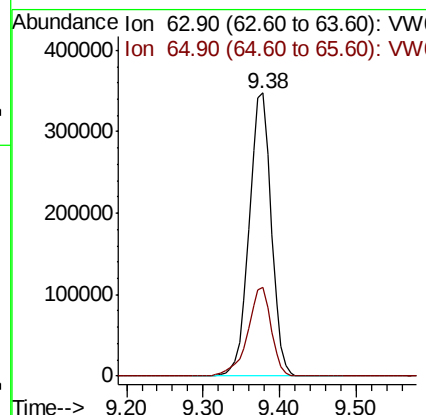
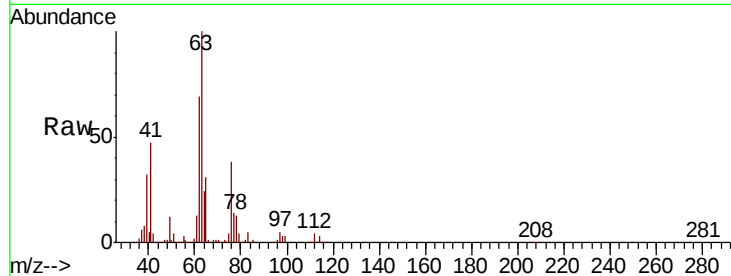




#45
 1,2-Dichloropropane
 Concen: 134.127 ug/l
 RT: 9.38 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

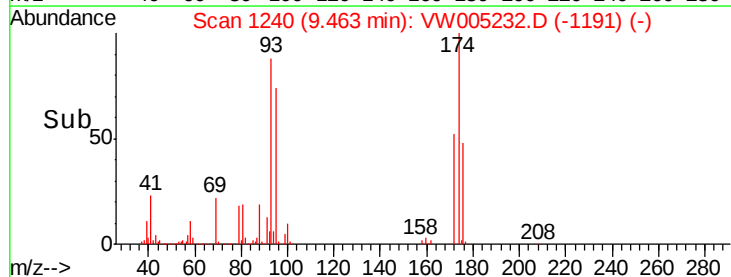
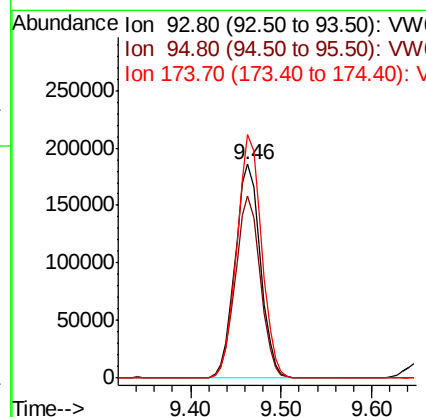
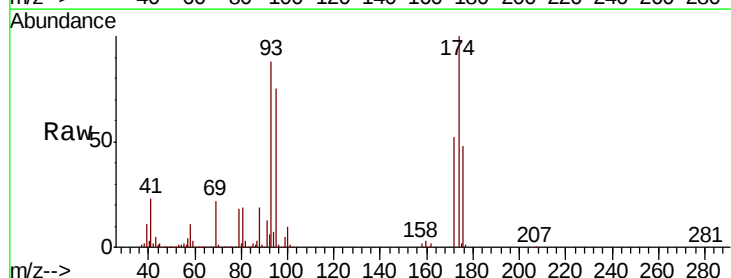
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

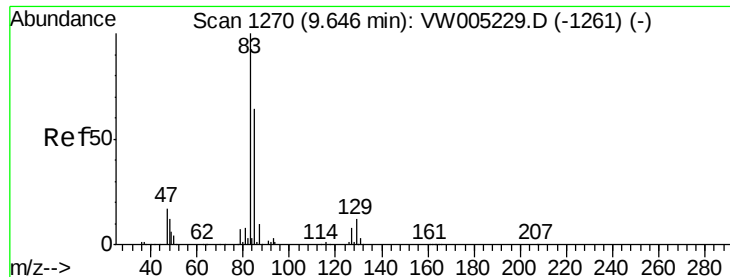
Tgt Ion: 63 Resp: 698494
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.8 35.8



#46
 Dibromomethane
 Concen: 144.384 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

Tgt Ion: 93 Resp: 359641
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.4 101.2
 174 111.8 91.9 137.9





#47

Bromodichloromethane

Concen: 136.762 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

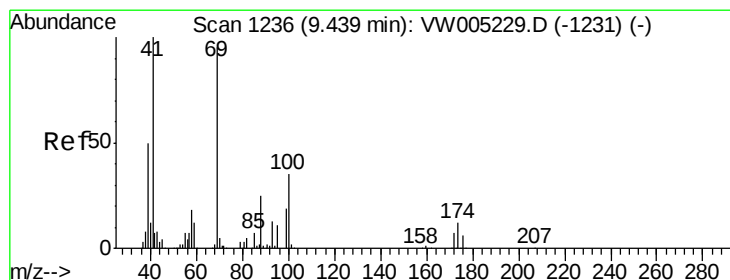
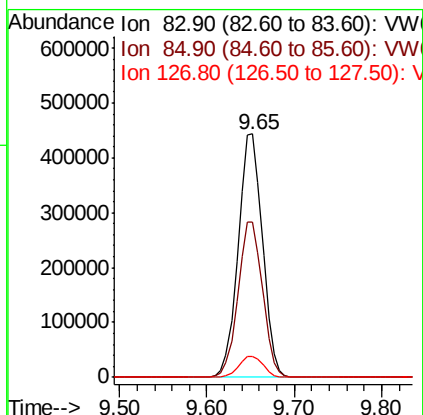
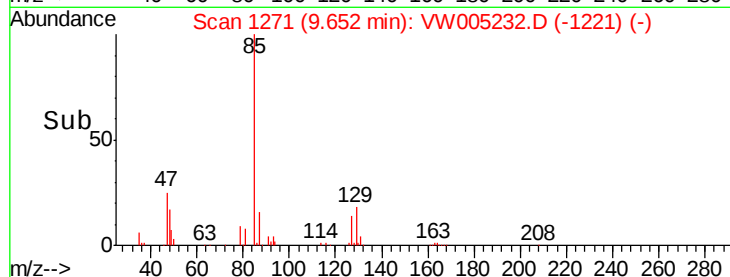
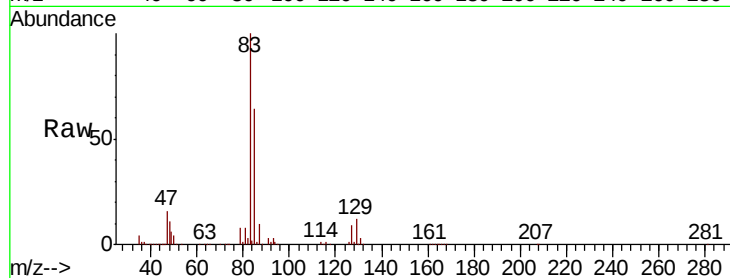
Tgt Ion: 83 Resp: 856276

Ion Ratio Lower Upper

83 100

85 63.8 51.0 76.6

127 8.8 6.7 10.1



#48

Methyl methacrylate

Concen: 183.751 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

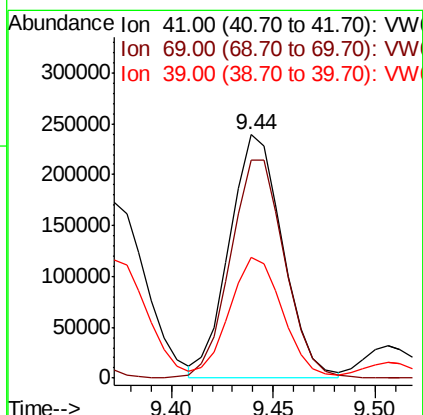
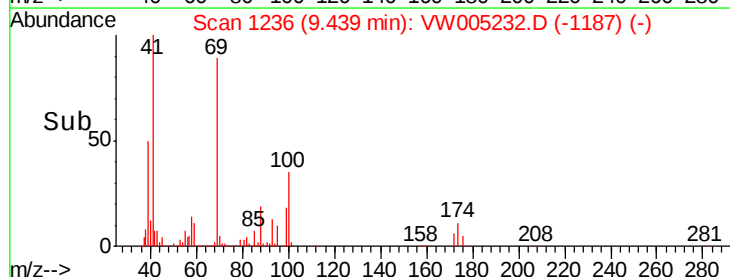
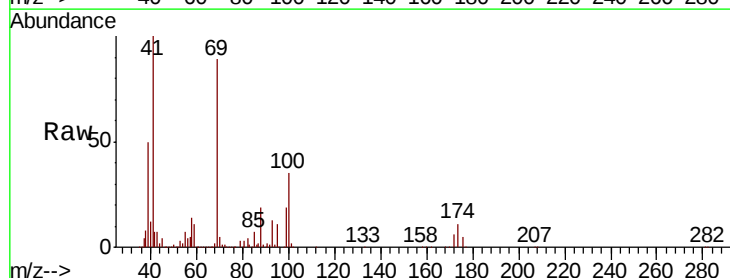
Tgt Ion: 41 Resp: 434868

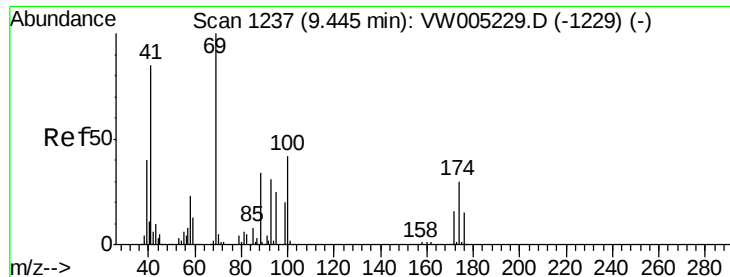
Ion Ratio Lower Upper

41 100

69 91.2 73.6 110.4

39 46.7 36.9 55.3





#49

1,4-Dioxane

Concen: 3124.125 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

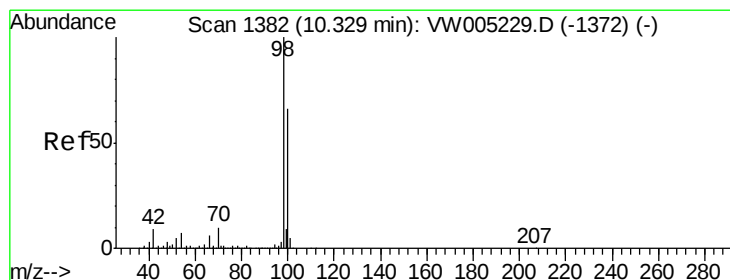
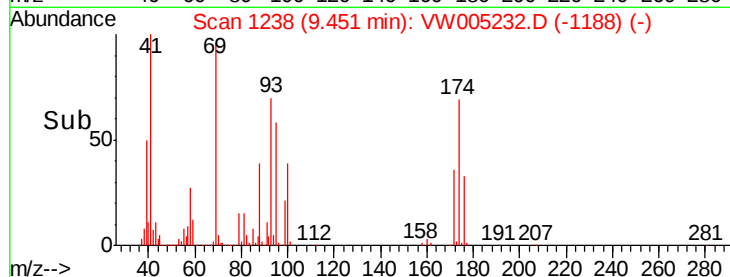
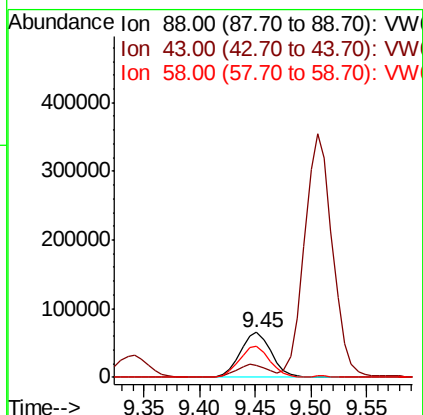
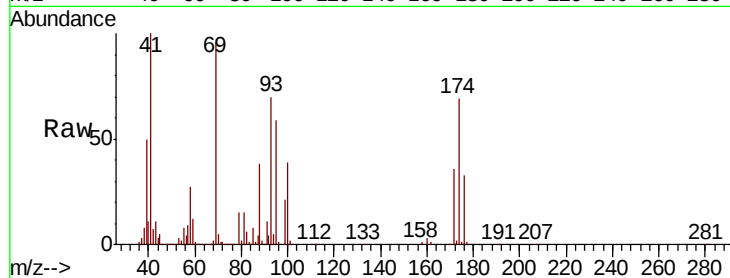
Tgt Ion: 88 Resp: 127859

Ion Ratio Lower Upper

88 100

43 28.8 22.1 33.1

58 68.3 53.8 80.6



#50

Toluene-d8

Concen: 150.939 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005232.D

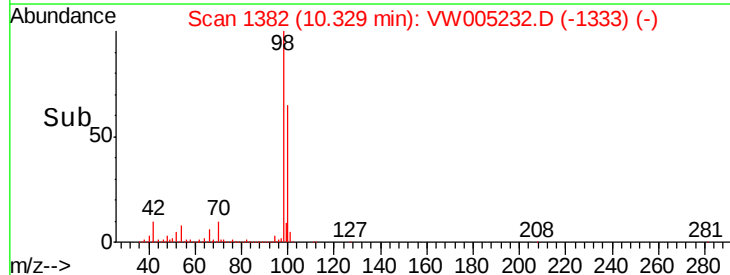
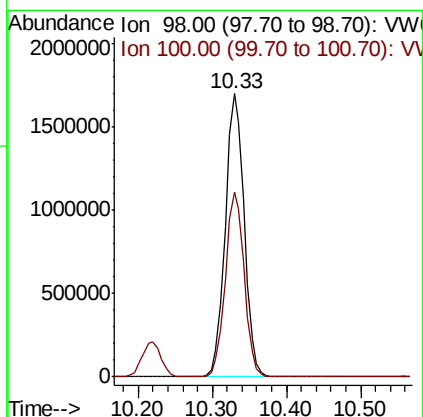
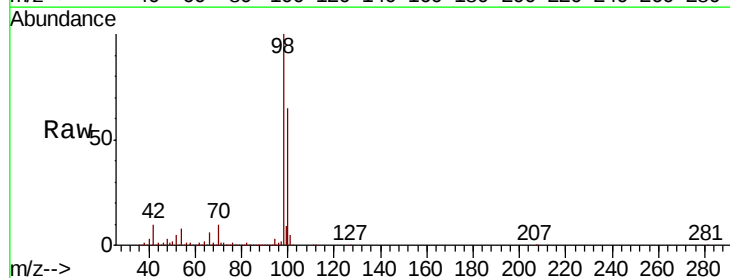
Acq: 08 Sep 2018 02:19

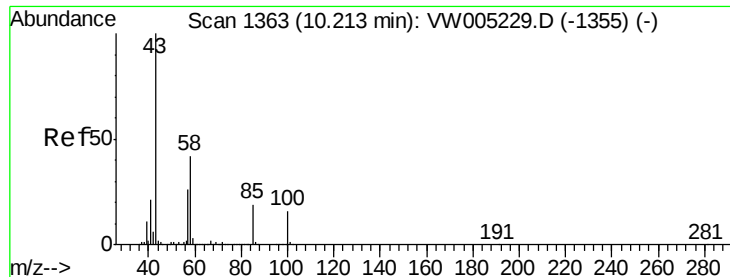
Tgt Ion: 98 Resp: 3003513

Ion Ratio Lower Upper

98 100

100 65.0 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 701.567 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

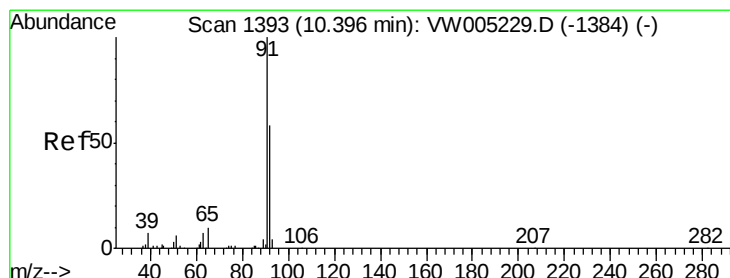
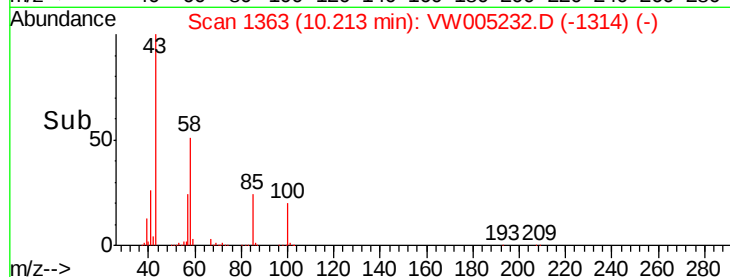
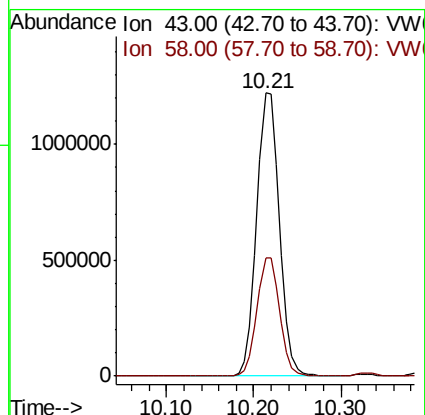
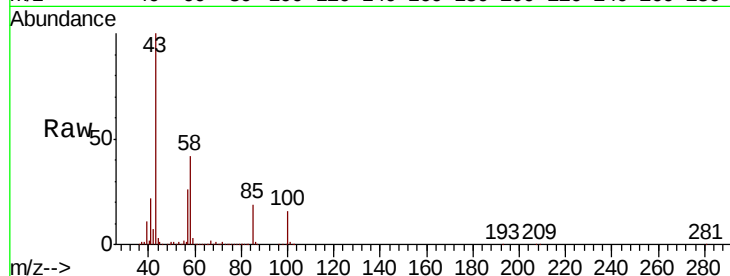
VSTDIC150

Tgt Ion: 43 Resp: 2197615

Ion Ratio Lower Upper

43 100

58 41.9 33.3 49.9



#52

Toluene

Concen: 145.823 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005232.D

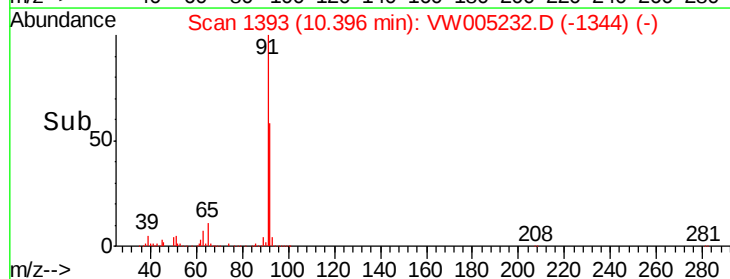
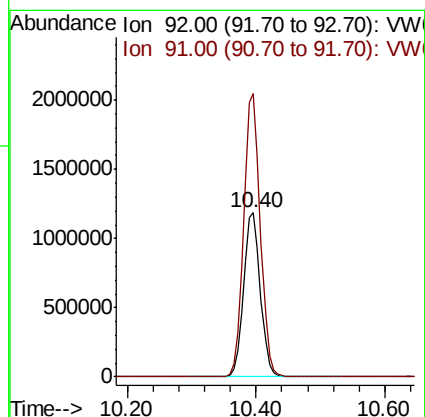
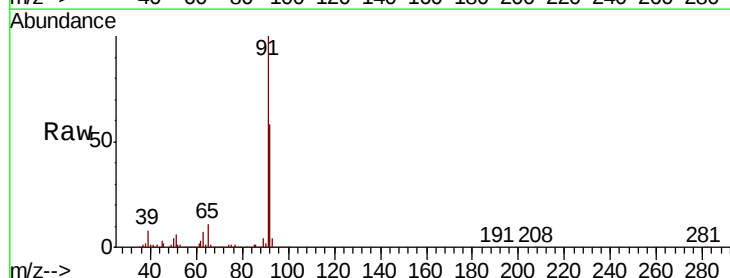
Acq: 08 Sep 2018 02:19

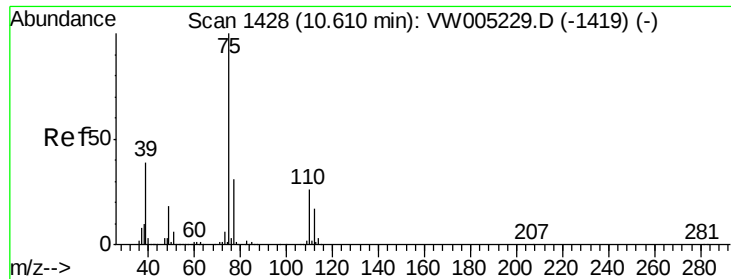
Tgt Ion: 92 Resp: 2113022

Ion Ratio Lower Upper

92 100

91 171.9 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 150.369 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

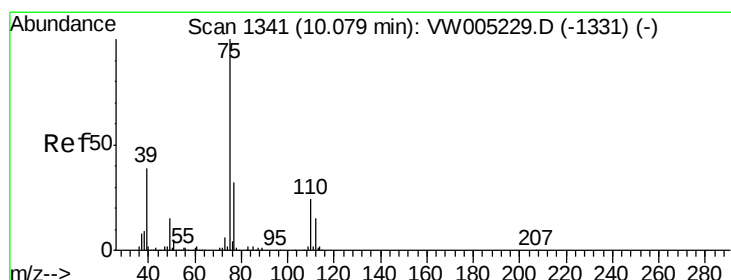
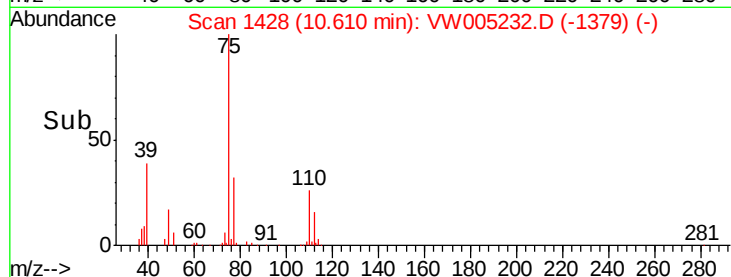
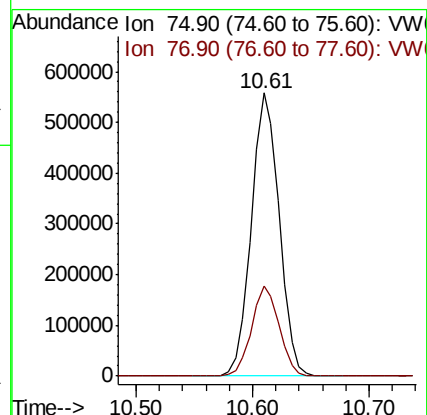
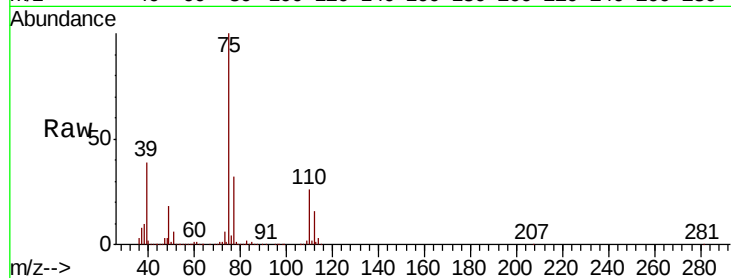
VSTDIC150

Tgt Ion: 75 Resp: 932407

Ion Ratio Lower Upper

75 100

77 31.9 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 143.220 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

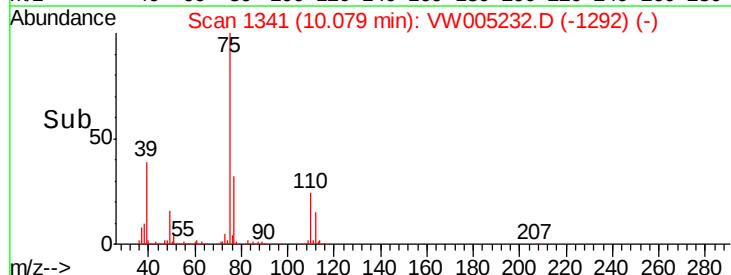
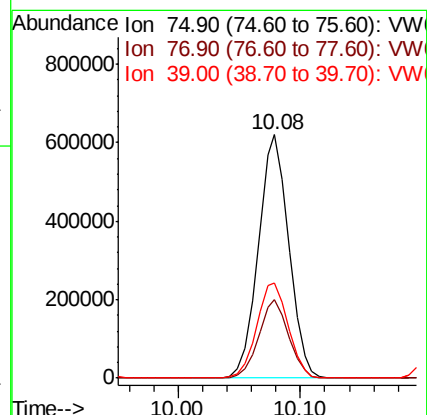
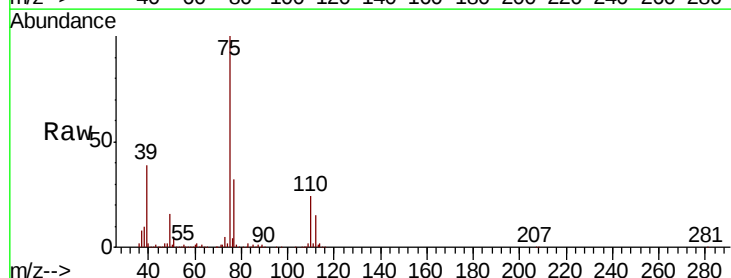
Tgt Ion: 75 Resp: 1073663

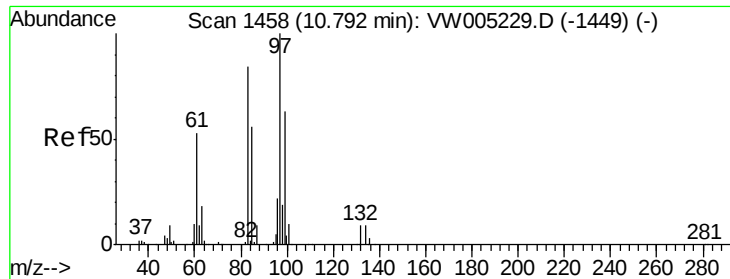
Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0

39 38.8 31.2 46.8

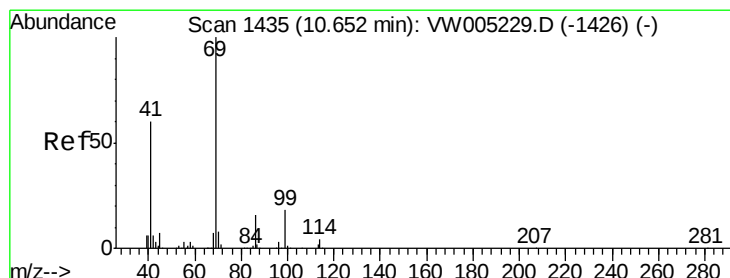
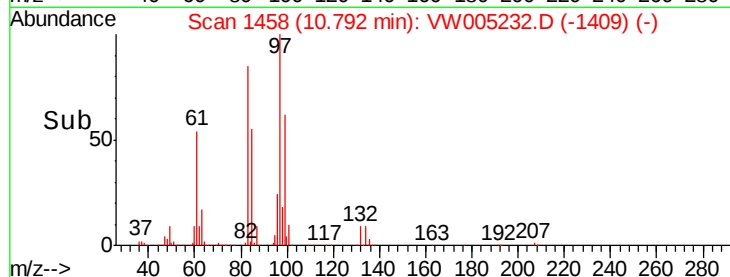
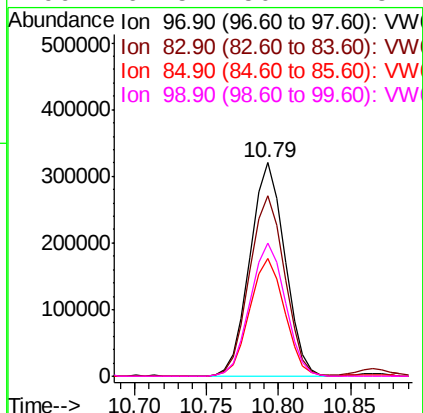
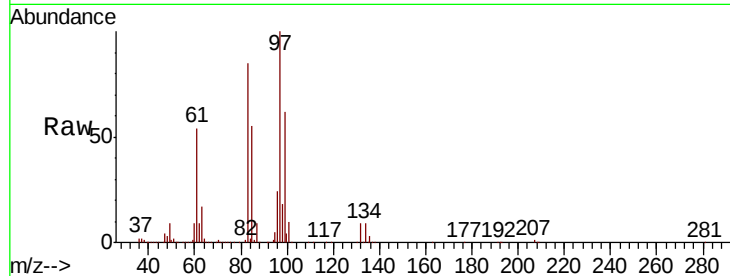




#55
 1,1,2-Trichloroethane
 Concen: 138.601 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

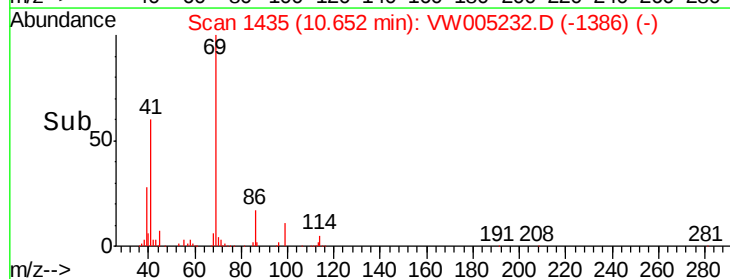
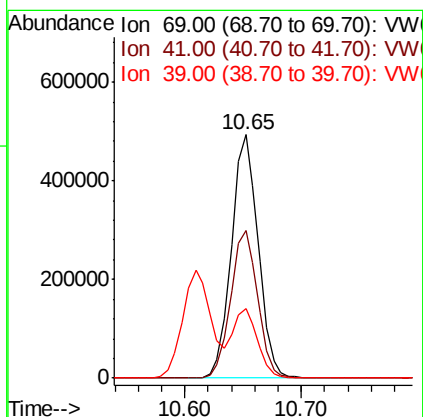
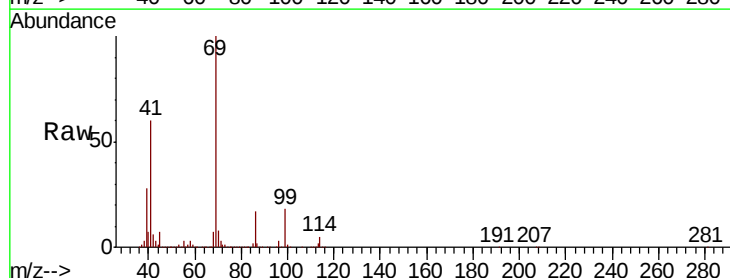
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC150

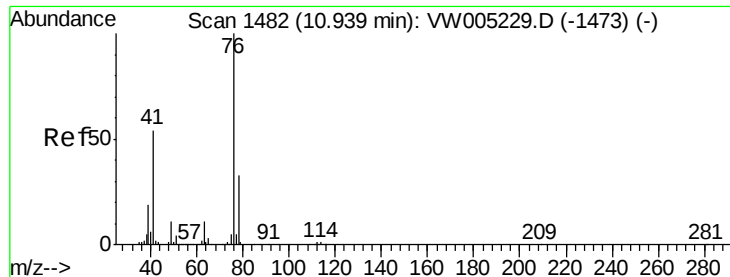
Tgt Ion:	97	Resp:	537311
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.4	101.0
85	55.0	44.6	66.8
99	62.5	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 175.175 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

Tgt Ion:	69	Resp:	789090
Ion	Ratio	Lower	Upper
69	100		
41	60.5	47.9	71.9
39	26.3	20.9	31.3





#57

1,3-Dichloropropane

Concen: 143.513 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

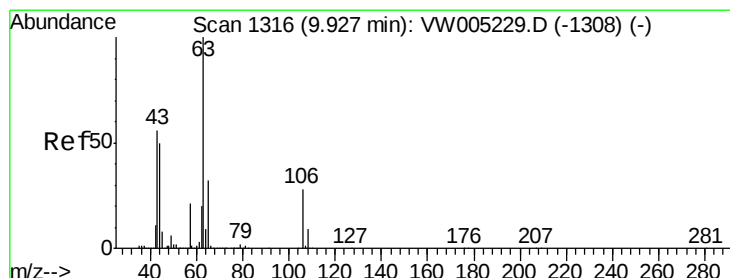
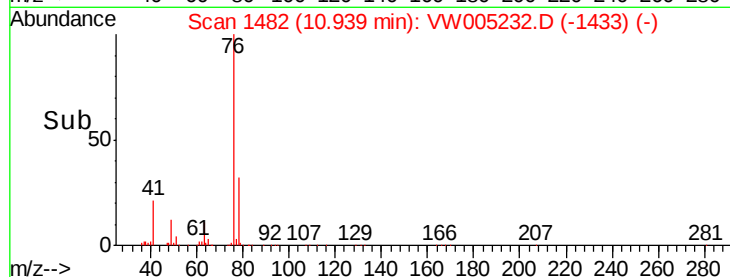
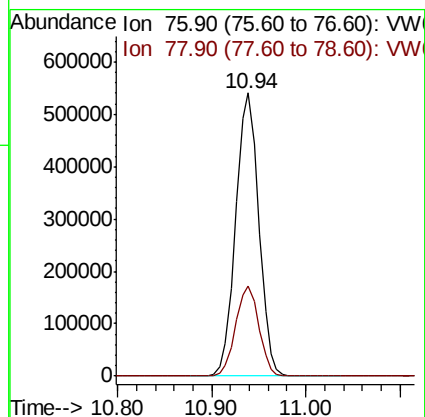
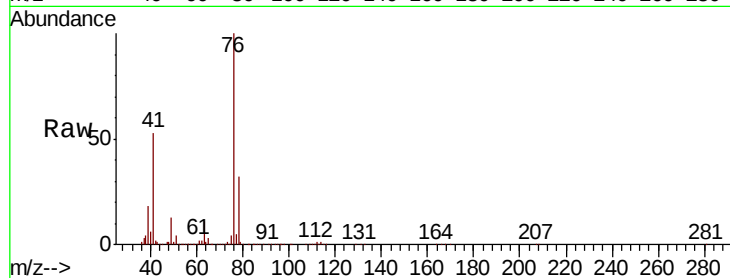
VSTDIC150

Tgt Ion: 76 Resp: 919958

Ion Ratio Lower Upper

76 100

78 32.1 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 795.353 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VW005232.D

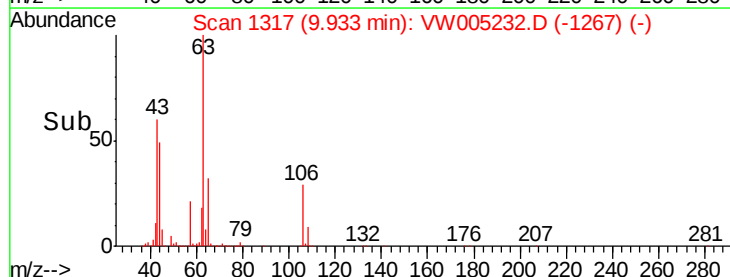
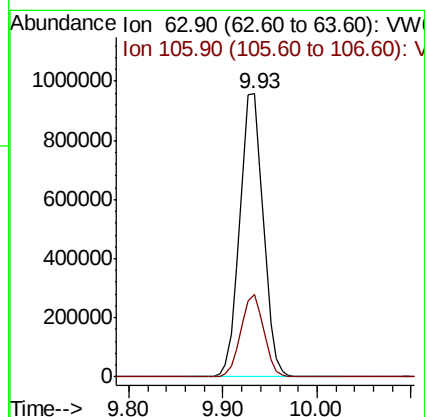
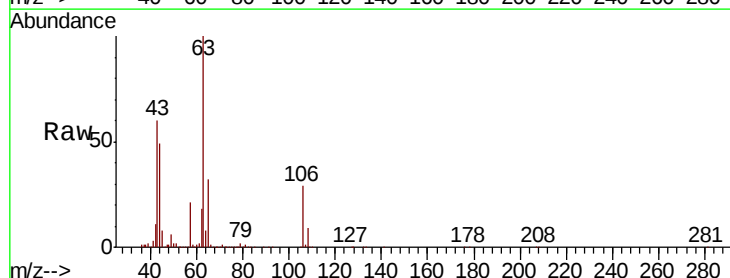
Acq: 08 Sep 2018 02:19

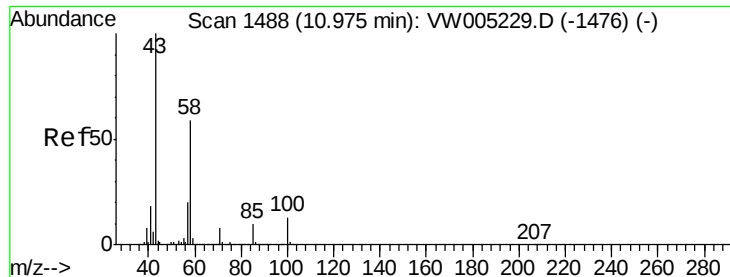
Tgt Ion: 63 Resp: 1669564

Ion Ratio Lower Upper

63 100

106 28.5 23.3 34.9

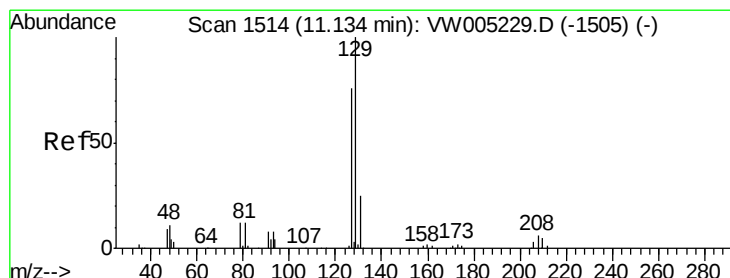
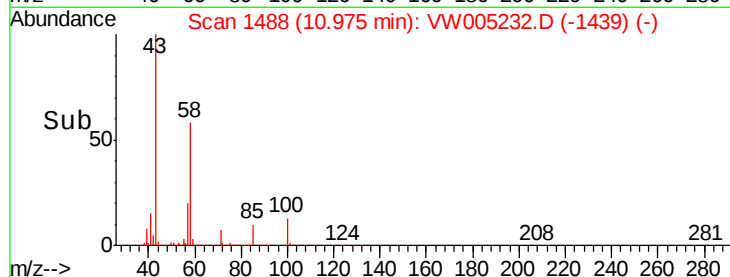
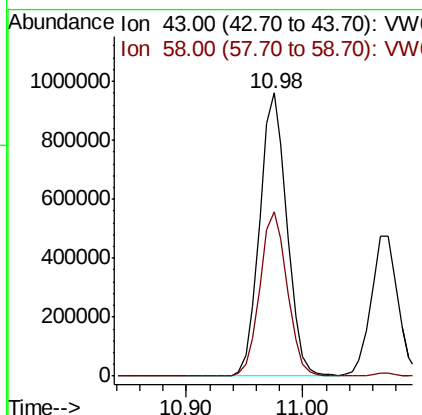
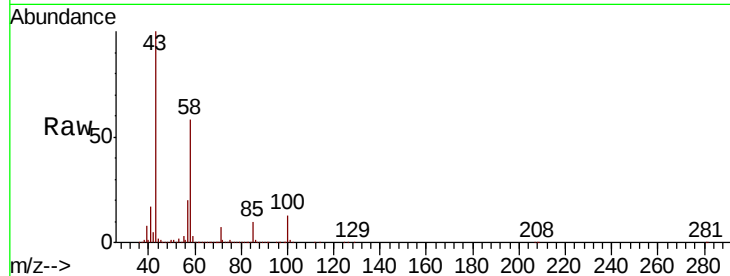




#59
2-Hexanone
Concen: 729.261 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

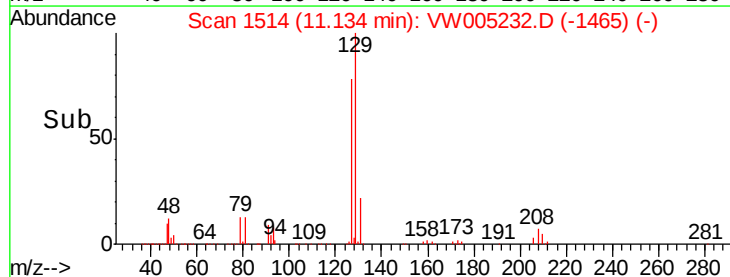
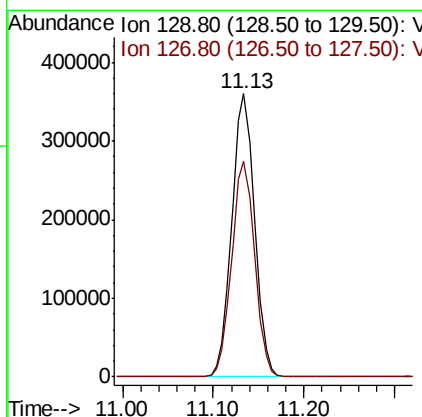
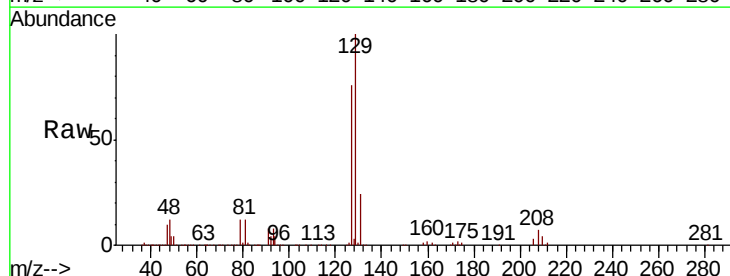
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

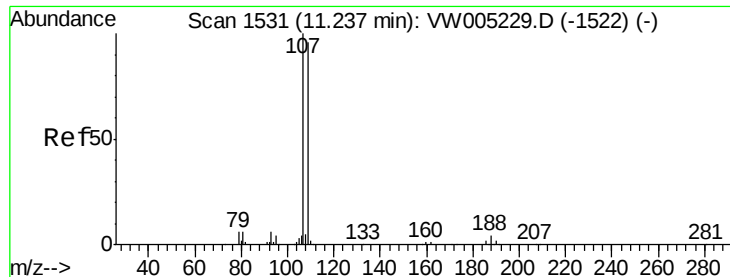
Tgt Ion: 43 Resp: 1552012
Ion Ratio Lower Upper
43 100
58 58.4 29.2 87.6



#60
Dibromochloromethane
Concen: 143.263 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

Tgt Ion: 129 Resp: 628051
Ion Ratio Lower Upper
129 100
127 76.8 38.7 116.1





#61

1,2-Dibromoethane

Concen: 147.932 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

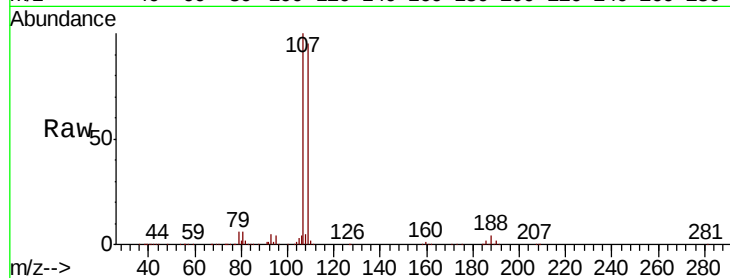
VSTDIC150

Tgt Ion: 107 Resp: 520963

Ion Ratio Lower Upper

107 100

109 94.3 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

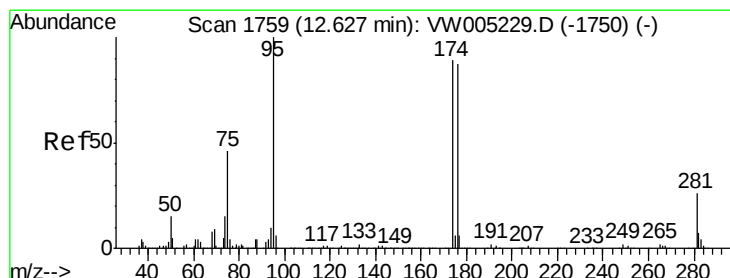
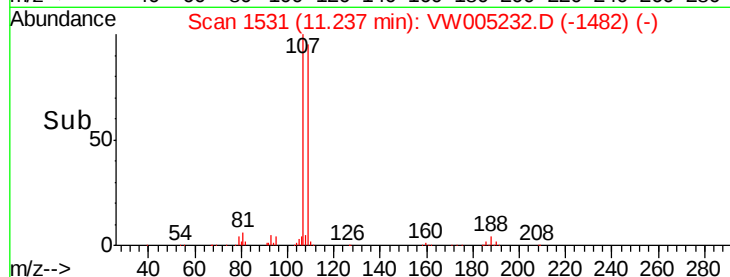
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 154.653 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

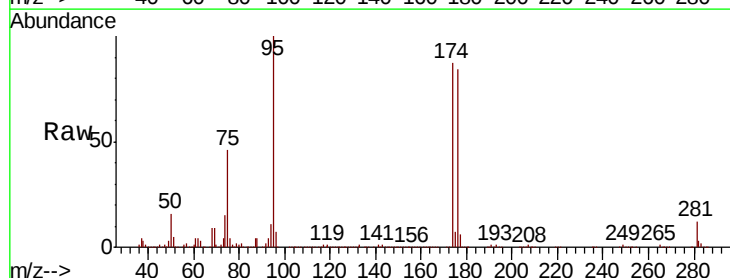
Tgt Ion: 95 Resp: 1091121

Ion Ratio Lower Upper

95 100

174 84.5 0.0 173.2

176 82.0 0.0 167.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

800000

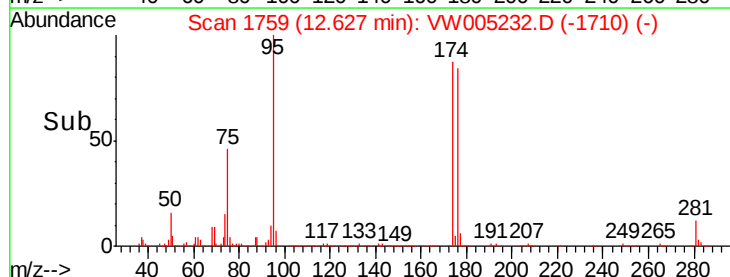
600000

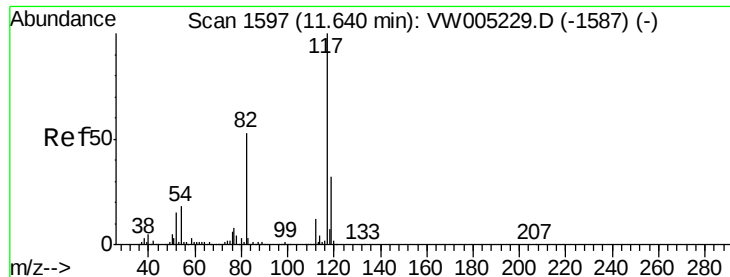
400000

200000

0

Time-->

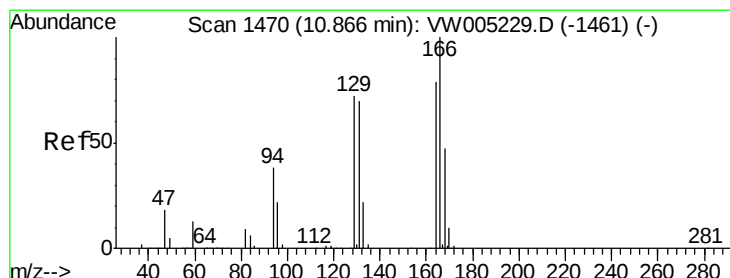
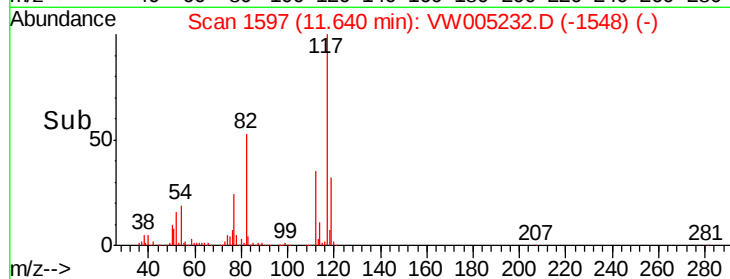
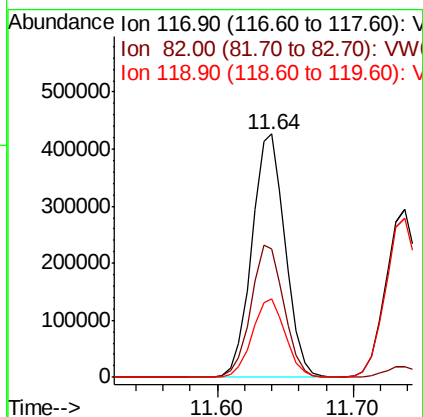
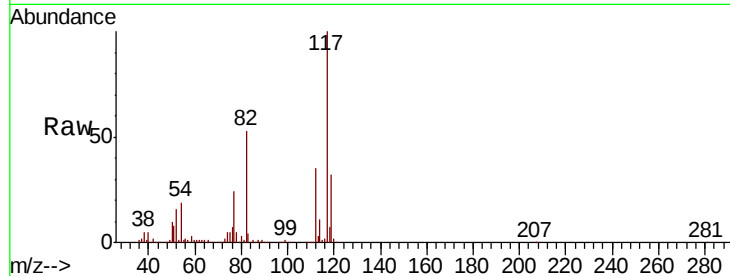




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

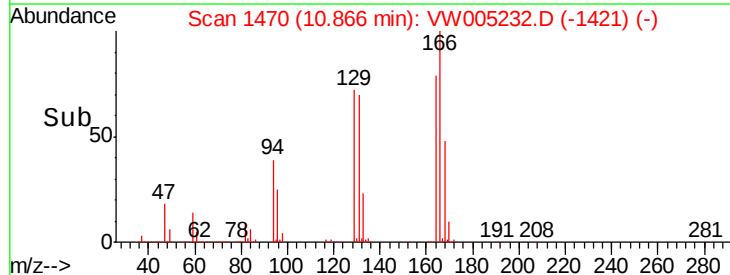
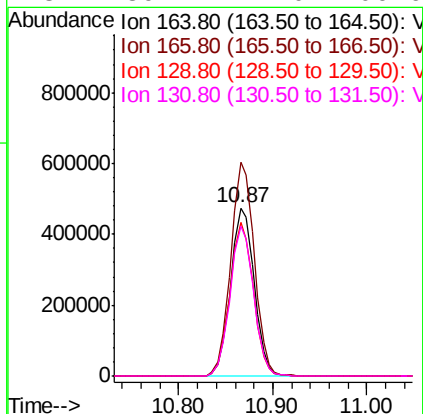
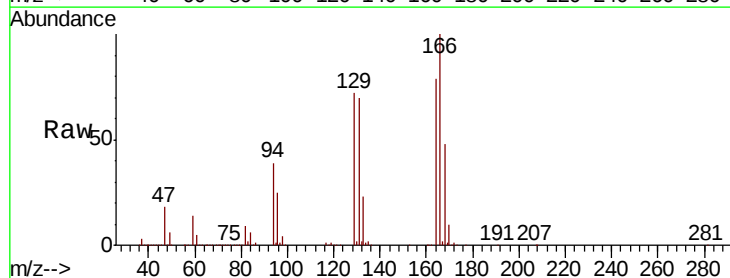
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

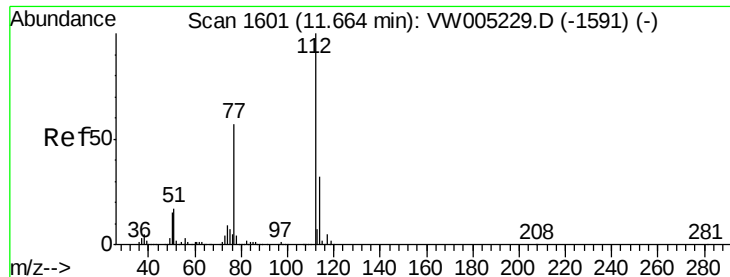
Tgt Ion:117 Resp: 730210
Ion Ratio Lower Upper
117 100
82 52.8 42.3 63.5
119 32.4 25.7 38.5



#64
Tetrachloroethene
Concen: 144.983 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

Tgt Ion:164 Resp: 826869
Ion Ratio Lower Upper
164 100
166 126.9 101.0 151.6
129 91.4 73.0 109.4
131 89.4 71.0 106.6

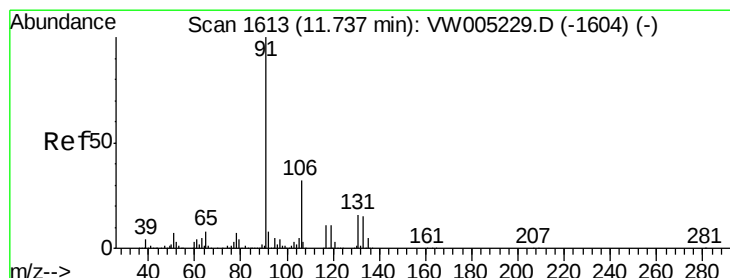
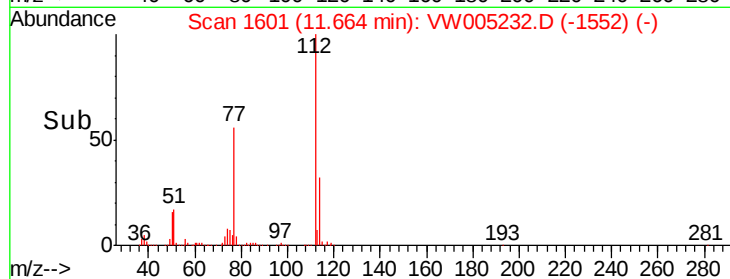
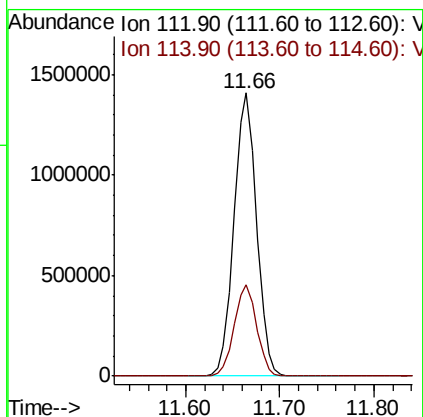
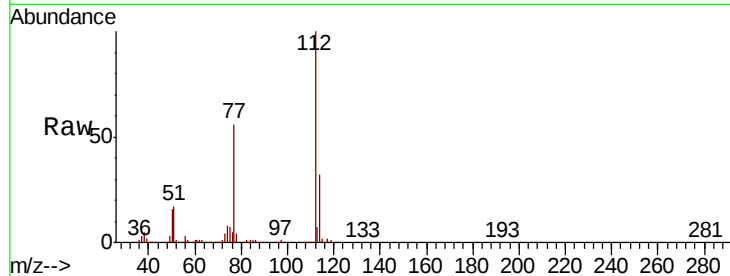




#65
Chlorobenzene
Concen: 144.018 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

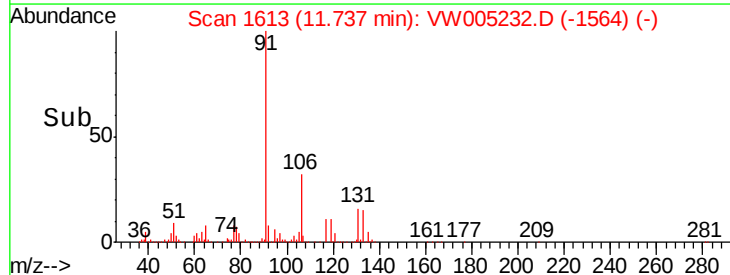
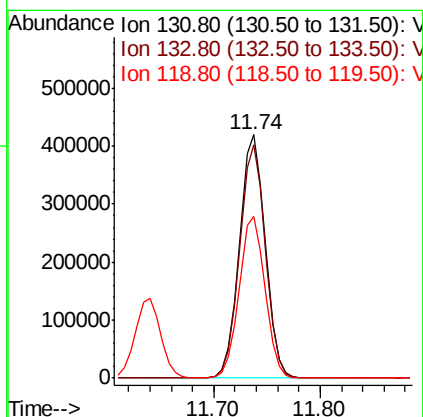
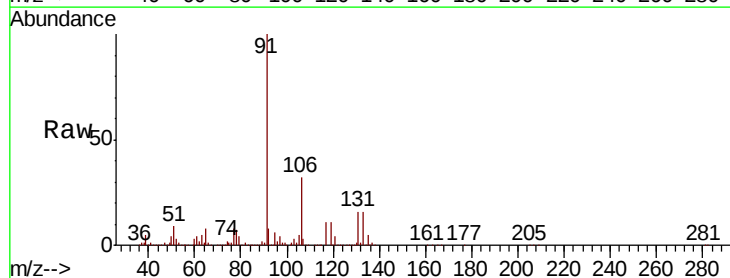
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

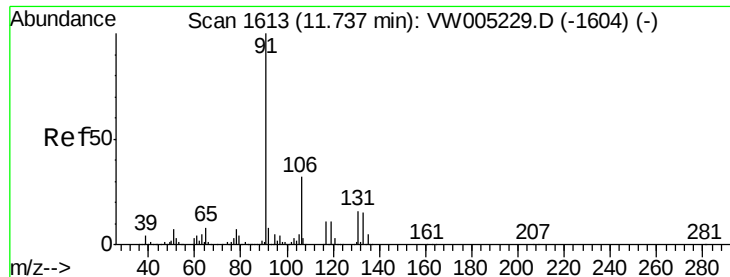
Tgt Ion:112 Resp: 2336376
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 144.194 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

Tgt Ion:131 Resp: 713871
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.6
119 66.9 33.3 99.8

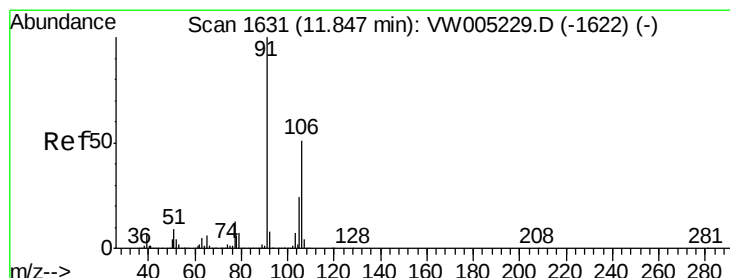
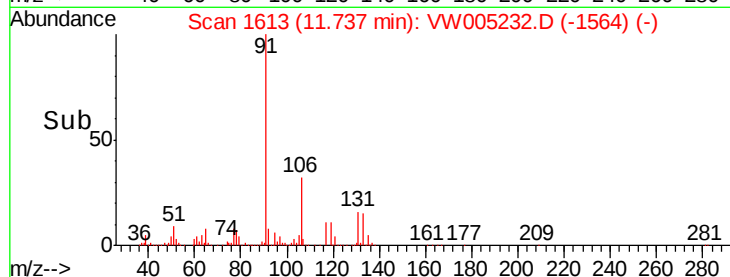
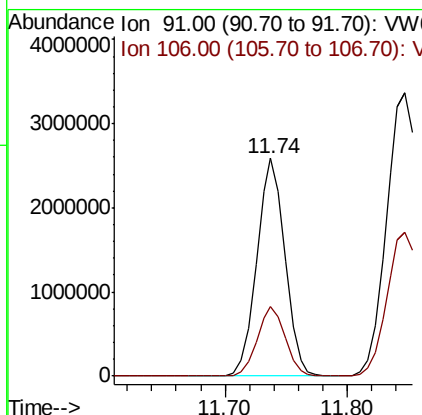
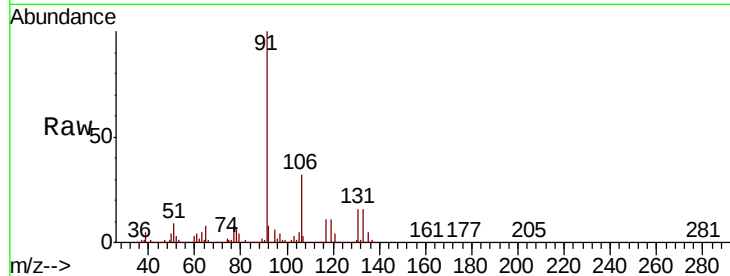




#67
Ethyl Benzene
Concen: 151.480 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

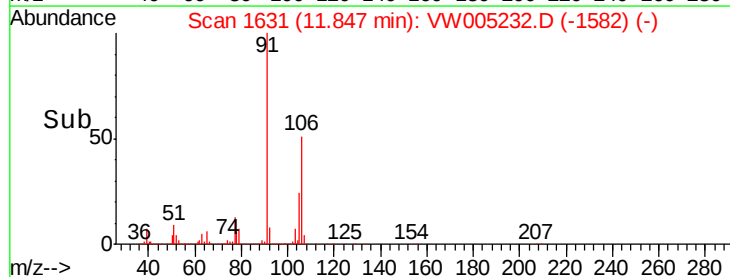
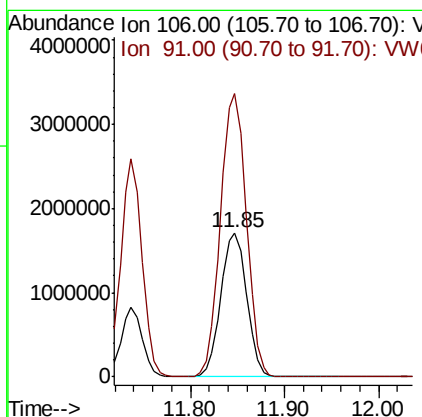
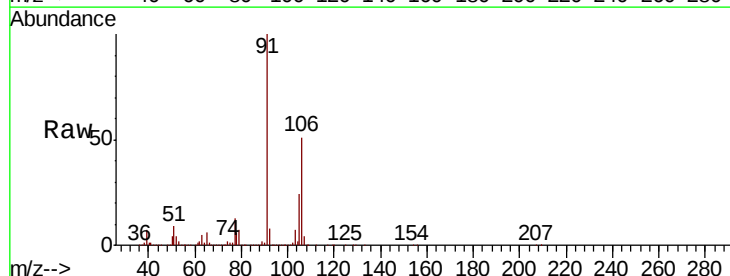
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

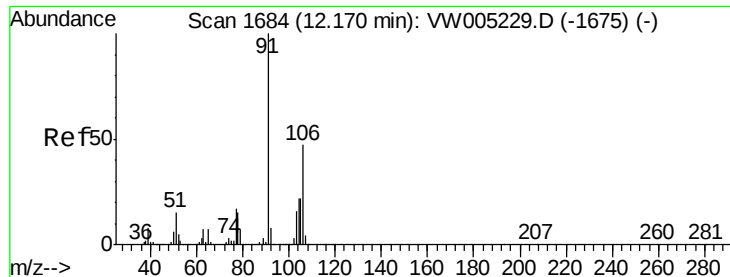
Tgt Ion: 91 Resp: 4141102
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3



#68
m/p-Xylenes
Concen: 297.887 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

Tgt Ion: 106 Resp: 3256827
Ion Ratio Lower Upper
106 100
91 197.2 157.4 236.2

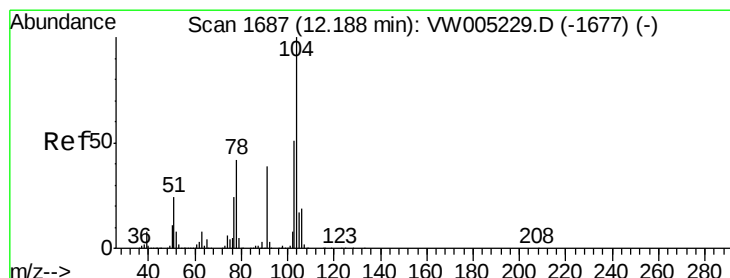
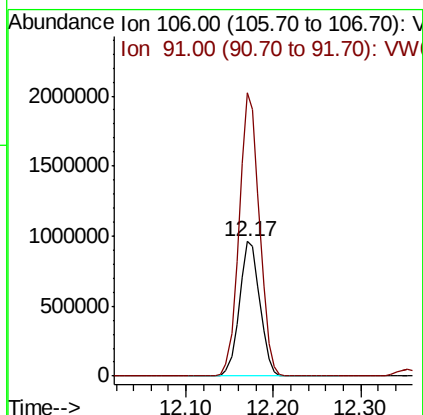
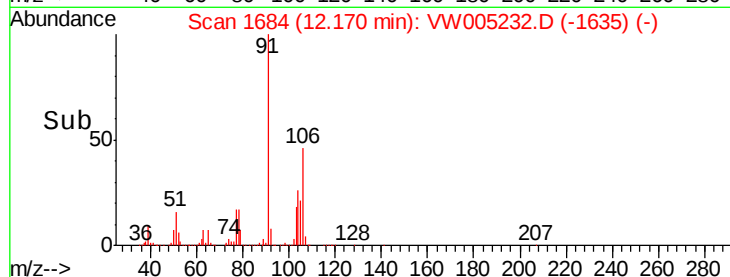
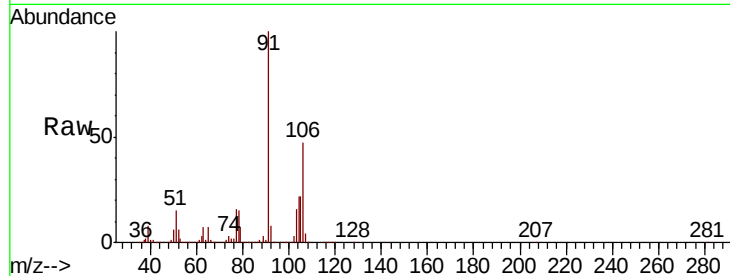




#69
o-Xylene
Concen: 154.127 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

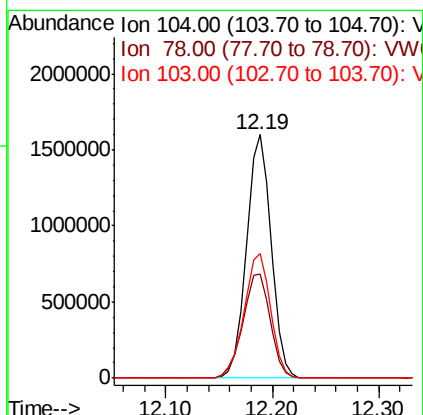
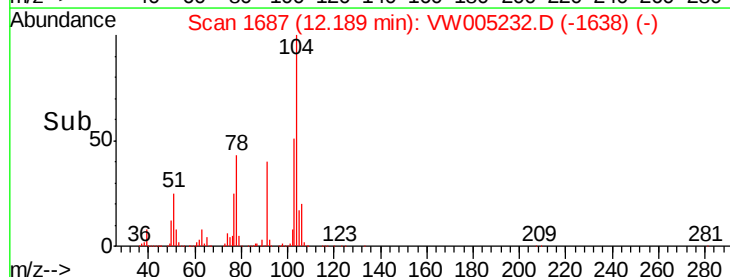
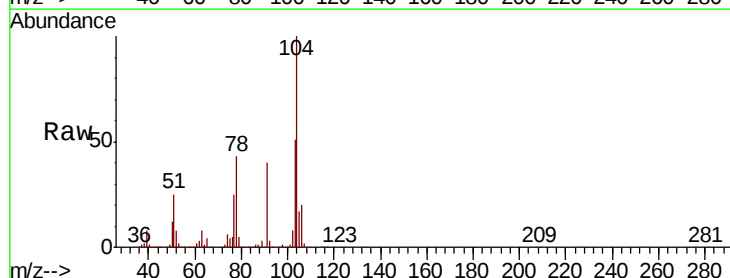
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

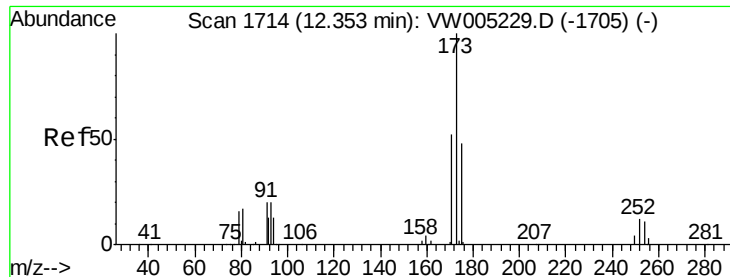
Tgt Ion:106 Resp: 1564103
Ion Ratio Lower Upper
106 100
91 208.9 104.5 313.3



#70
Styrene
Concen: 155.531 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

Tgt Ion:104 Resp: 2599180
Ion Ratio Lower Upper
104 100
78 47.8 37.9 56.9
103 55.2 44.1 66.1

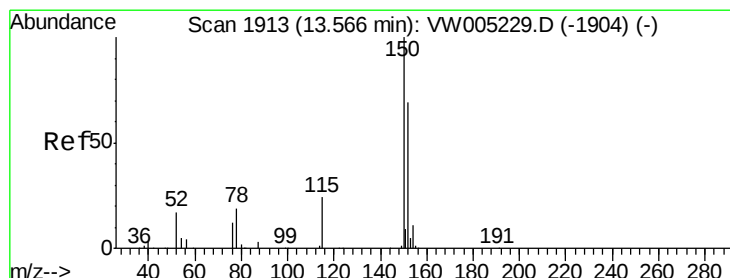
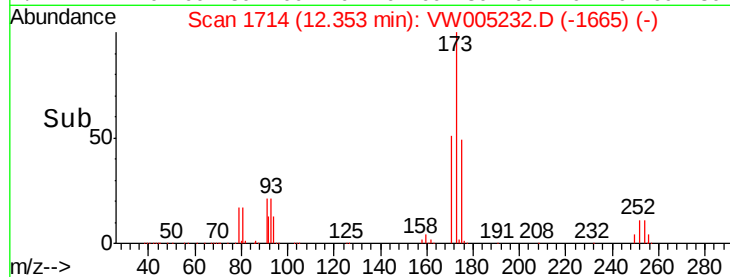
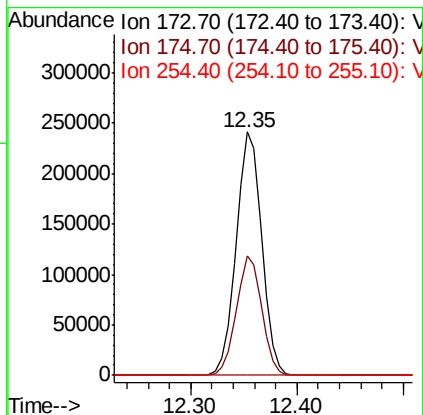
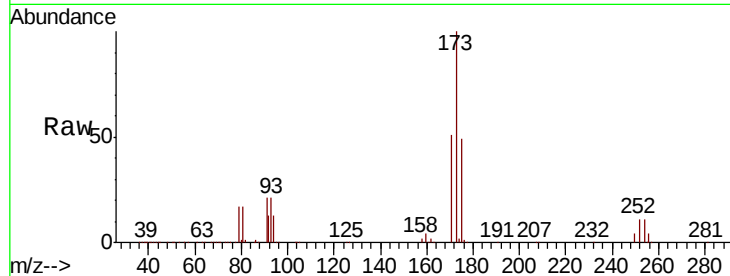




#71
Bromoform
Concen: 153.656 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

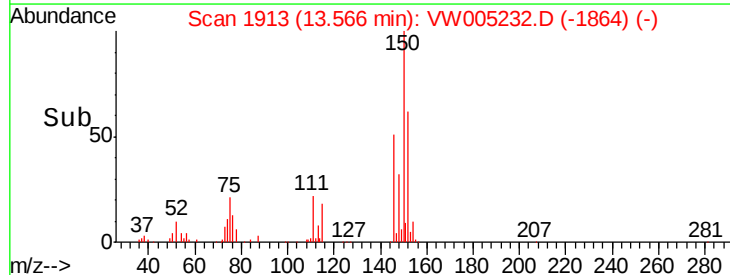
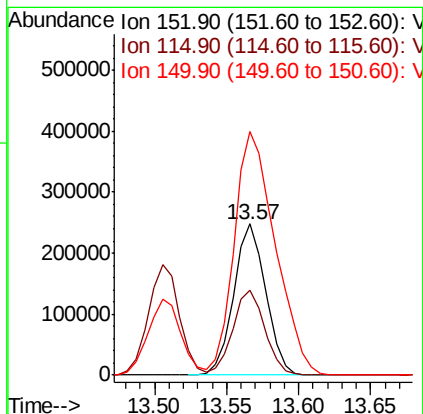
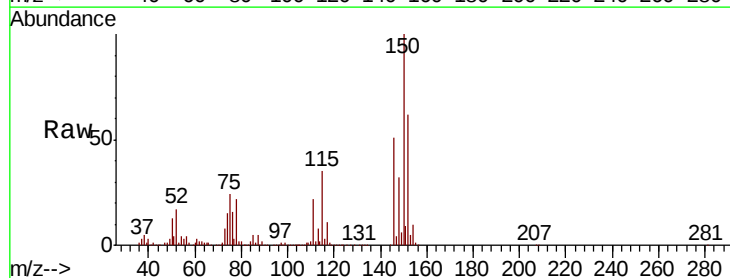
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

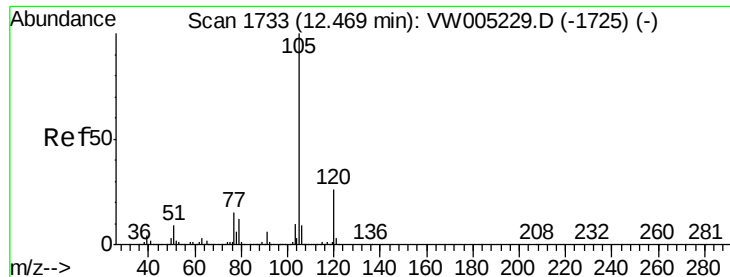
Tgt Ion:173 Resp: 406855
Ion Ratio Lower Upper
173 100
175 48.6 24.0 72.0
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

Tgt Ion:152 Resp: 382772
Ion Ratio Lower Upper
152 100
115 56.2 28.1 84.3
150 206.5 0.0 351.4





#73

Isopropylbenzene

Concen: 154.411 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

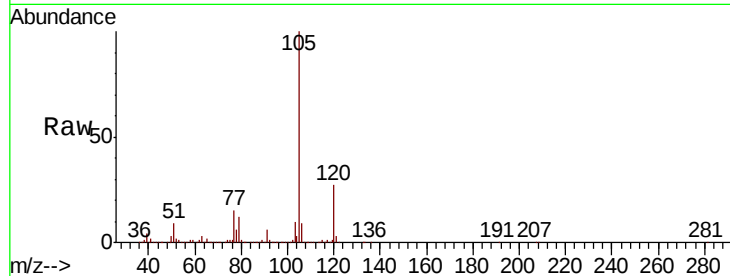
VSTDIC150

Tgt Ion: 105 Resp: 4106051

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

3000000

2500000

2000000

1500000

1000000

500000

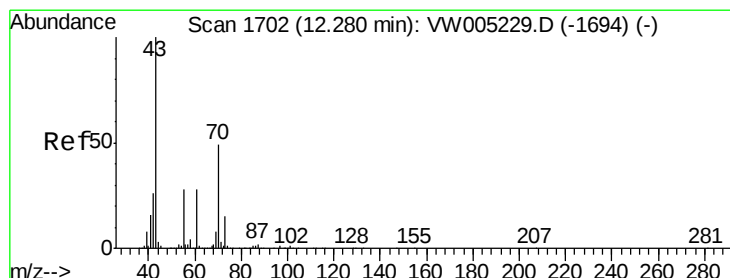
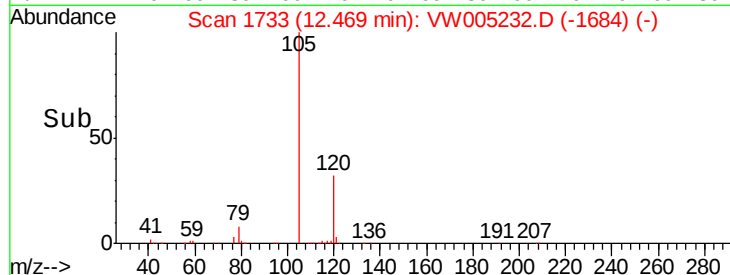
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 182.508 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Tgt Ion: 43 Resp: 861914

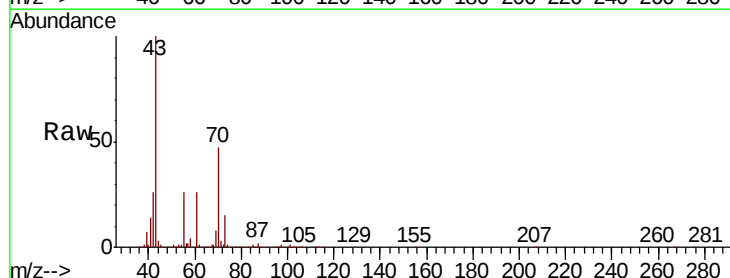
Ion Ratio Lower Upper

43 100

70 46.6 38.3 57.5

55 26.2 22.5 33.7

61 26.2 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

800000

600000

400000

200000

0

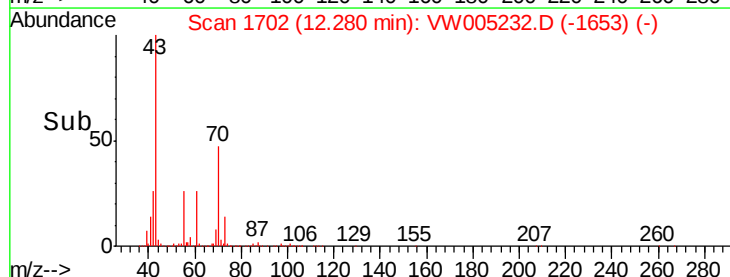
12.28

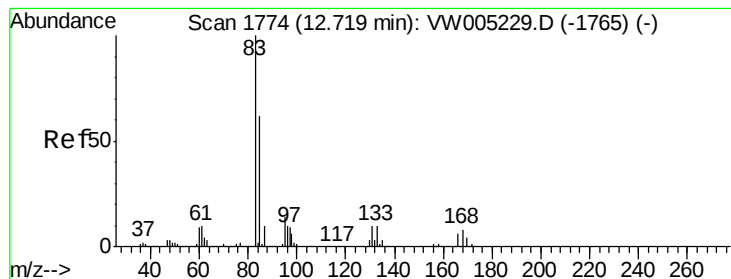
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 156.358 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

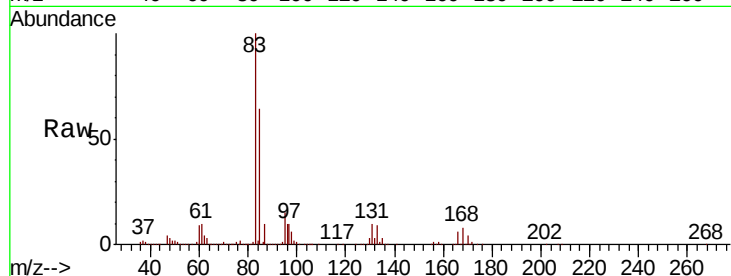
Tgt Ion: 83 Resp: 645569

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

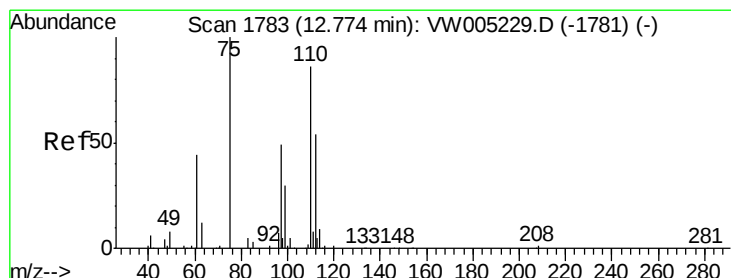
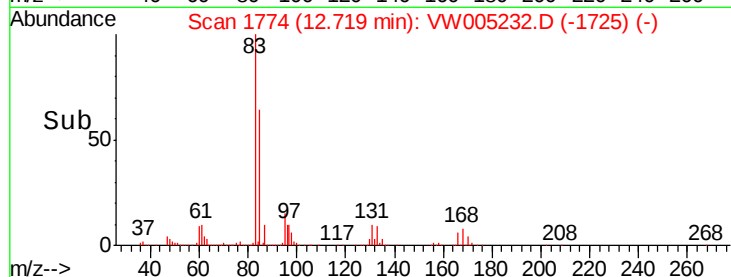
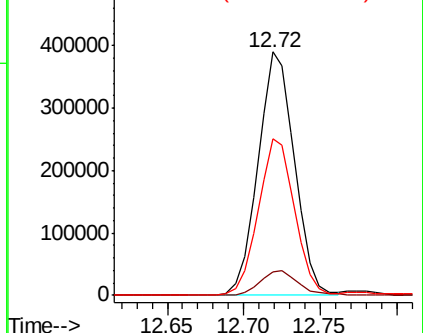
85 64.2 32.0 96.0



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: 295.980 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005232.D

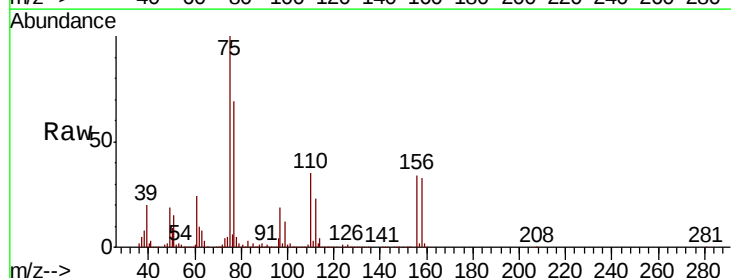
Acq: 08 Sep 2018 02:19

Tgt Ion: 75 Resp: 857732

Ion Ratio Lower Upper

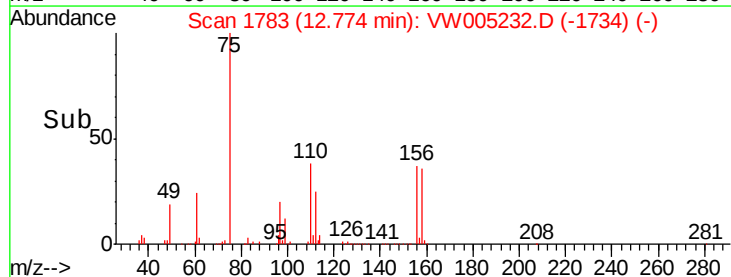
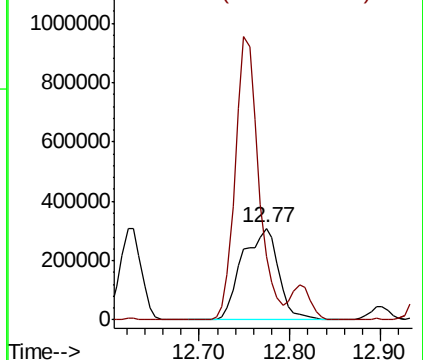
75 100

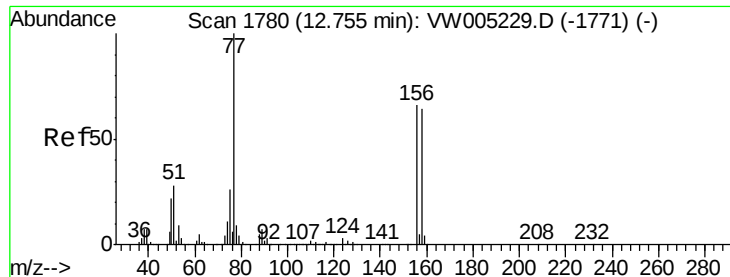
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 148.474 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

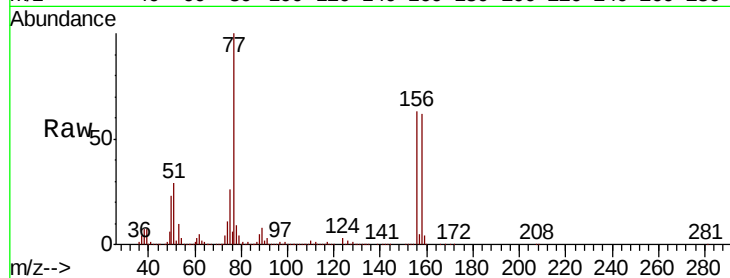
Tgt Ion:156 Resp: 975167

Ion Ratio Lower Upper

156 100

77 176.6 86.4 259.2

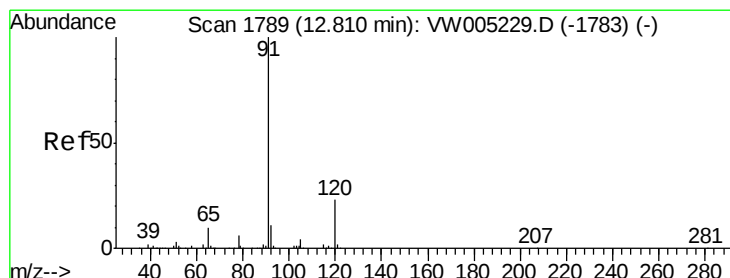
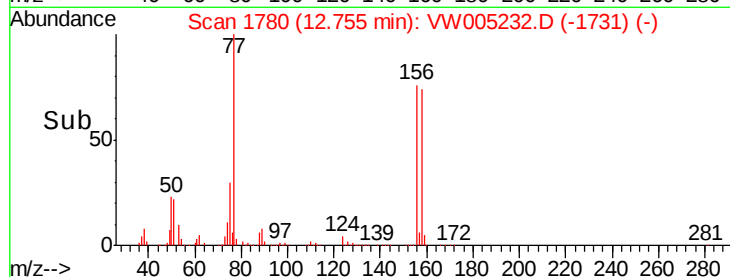
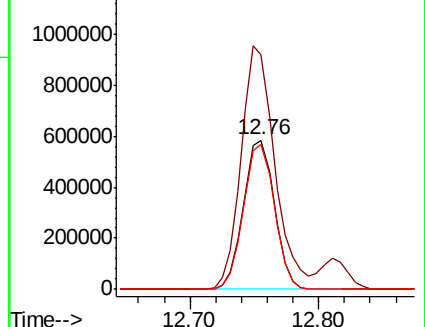
158 96.9 48.4 145.0



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: 153.337 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005232.D

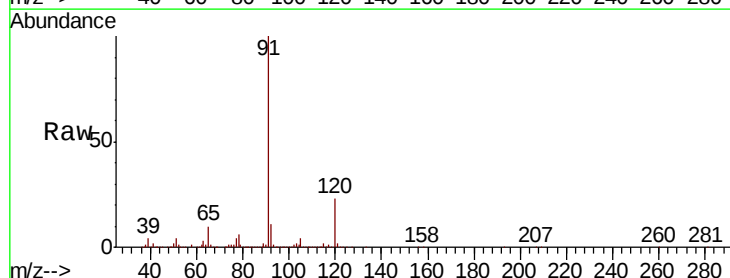
Acq: 08 Sep 2018 02:19

Tgt Ion: 91 Resp: 4909520

Ion Ratio Lower Upper

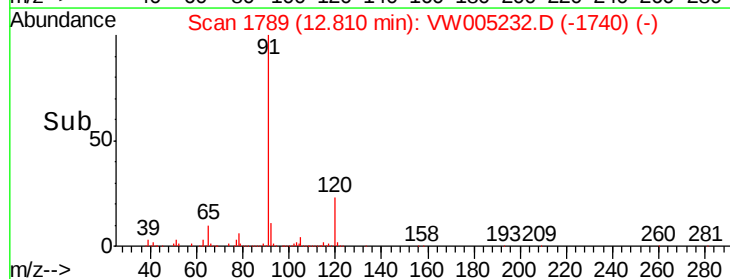
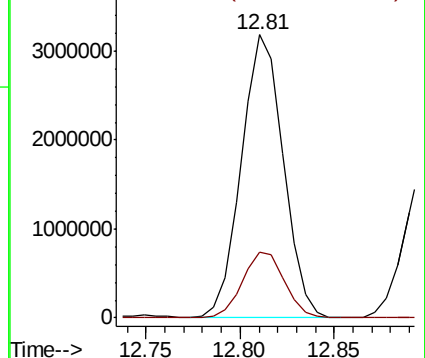
91 100

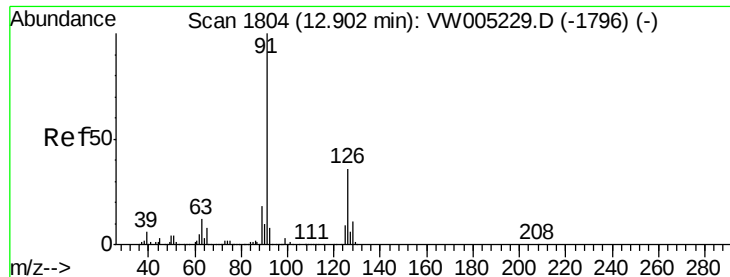
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 150.556 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

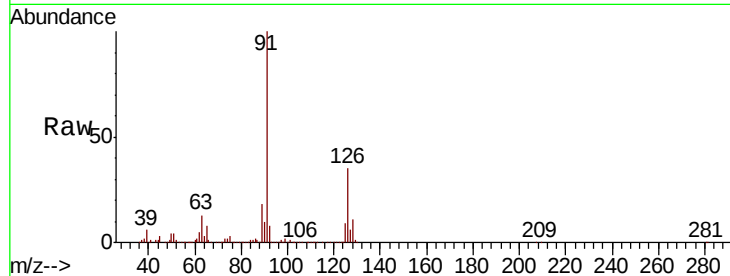
VSTDIC150

Tgt Ion: 91 Resp: 2818878

Ion Ratio Lower Upper

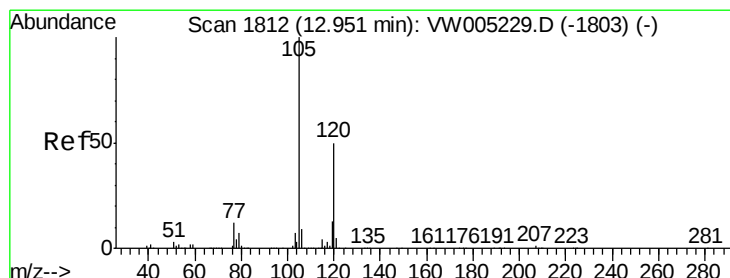
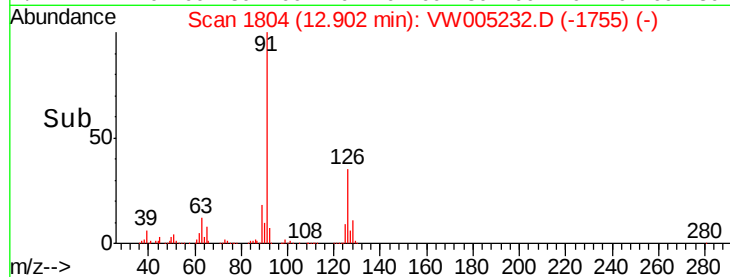
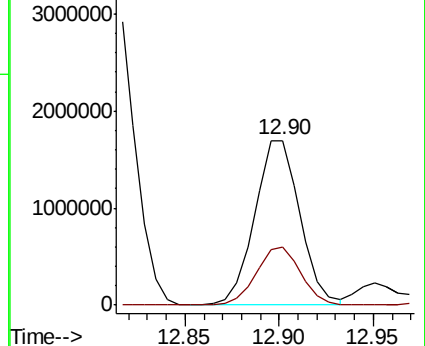
91 100

126 34.5 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: 153.346 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005232.D

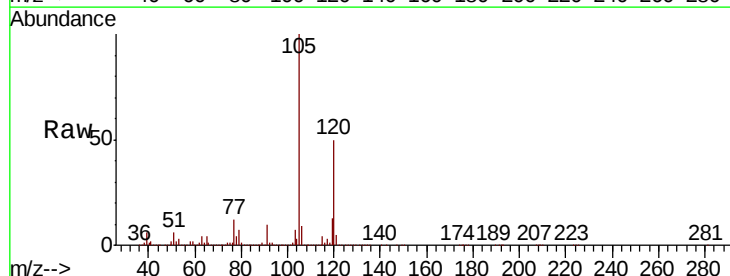
Acq: 08 Sep 2018 02:19

Tgt Ion: 105 Resp: 3509715

Ion Ratio Lower Upper

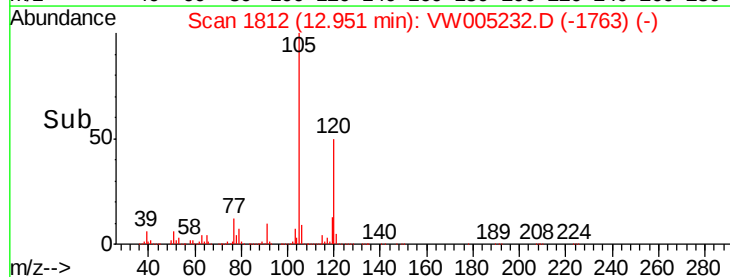
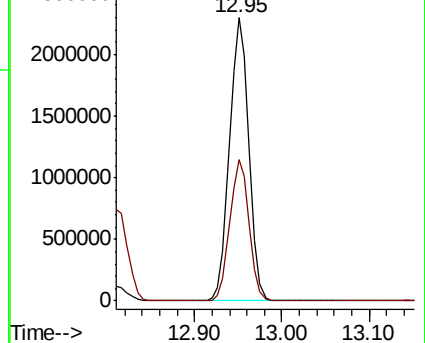
105 100

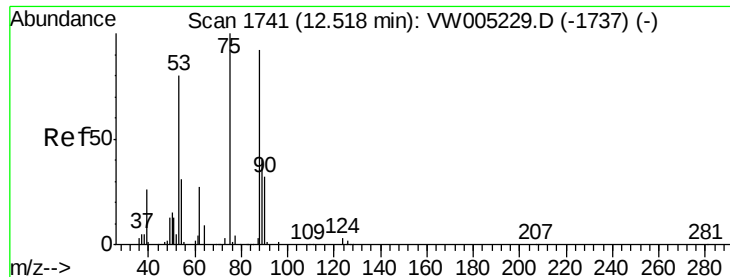
120 49.8 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

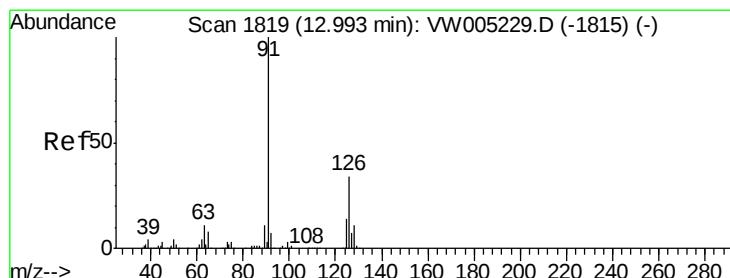
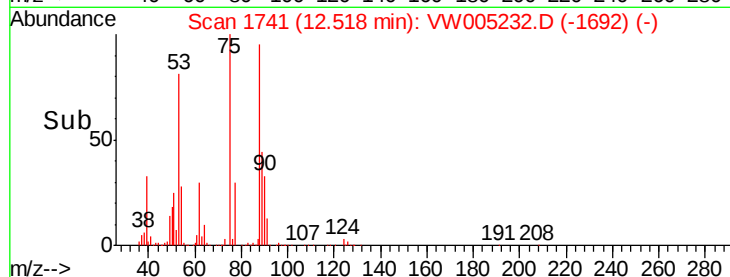
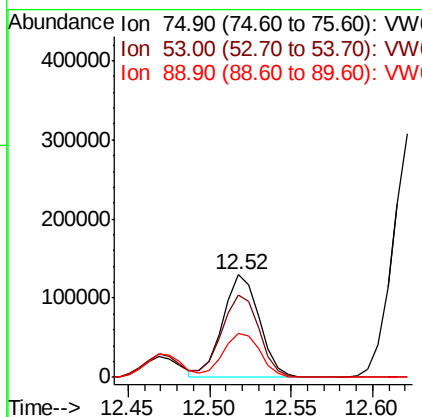
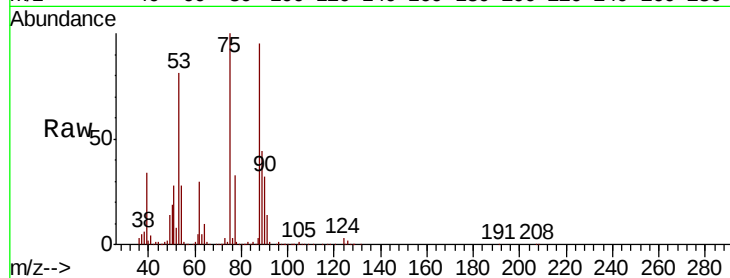




#81
trans-1,4-Dichloro-2-butene
Concen: 168.532 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

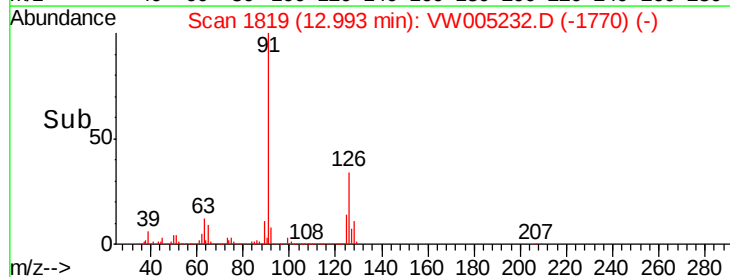
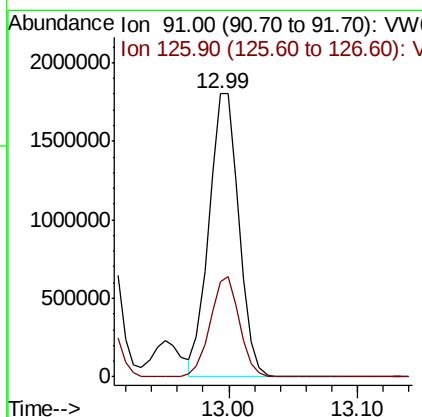
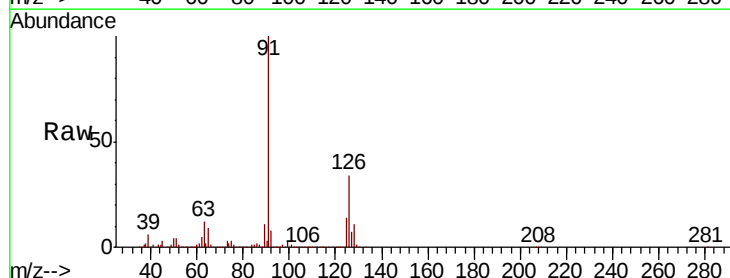
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

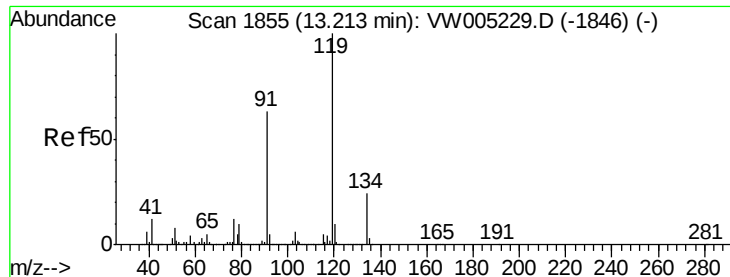
Tgt Ion: 75 Resp: 200840
Ion Ratio Lower Upper
75 100
53 81.0 69.0 103.6
89 44.2 35.8 53.8



#82
4-Chlorotoluene
Concen: 147.653 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

Tgt Ion: 91 Resp: 2921263
Ion Ratio Lower Upper
91 100
126 34.8 17.3 52.0

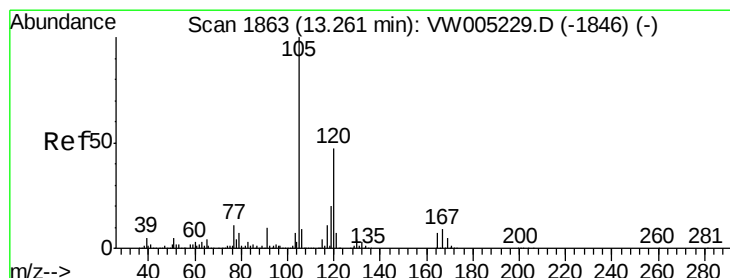
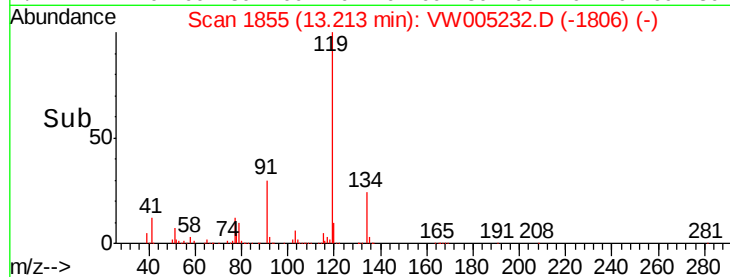
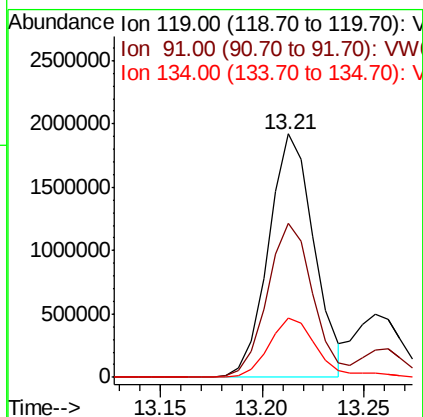
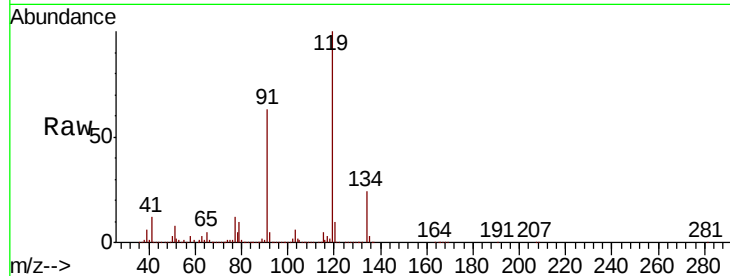




#83
 tert-Butylbenzene
 Concen: 155.055 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

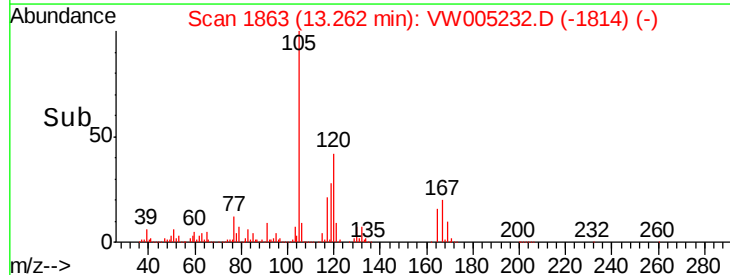
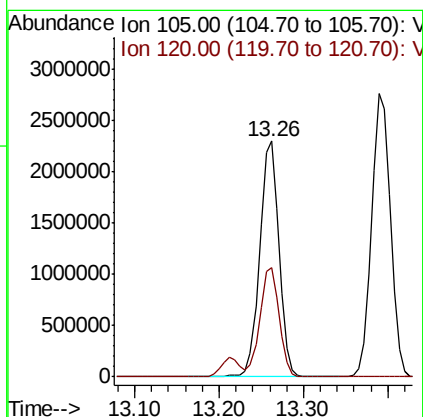
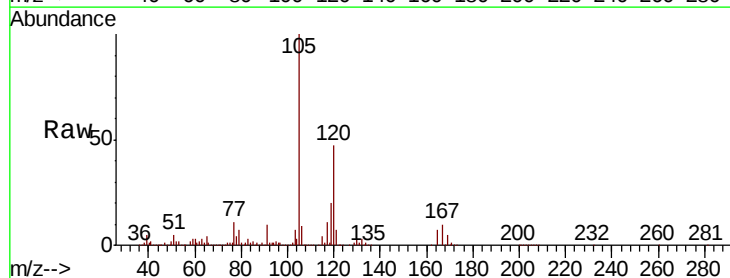
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

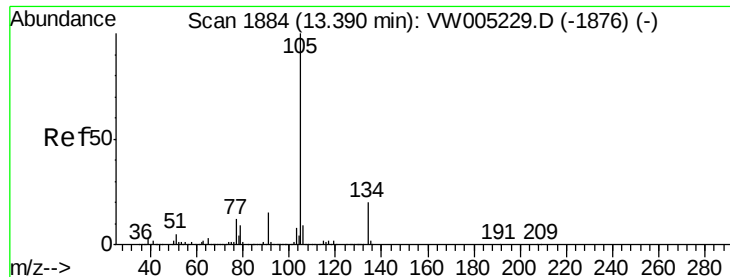
Tgt Ion:119 Resp: 2990351
 Ion Ratio Lower Upper
 119 100
 91 63.9 30.8 92.3
 134 26.0 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 154.228 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

Tgt Ion:105 Resp: 3594966
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.2 69.6





#85

sec-Butylbenzene

Concen: 152.764 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

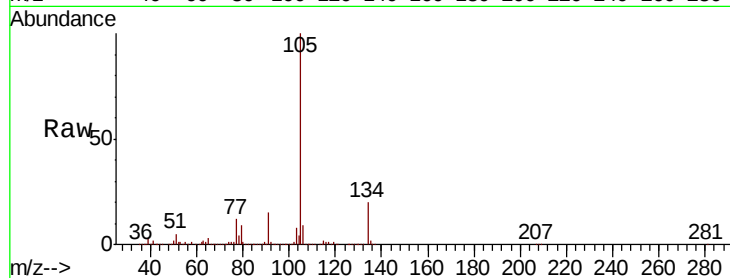
VSTDIC150

Tgt Ion:105 Resp: 4305773

Ion Ratio Lower Upper

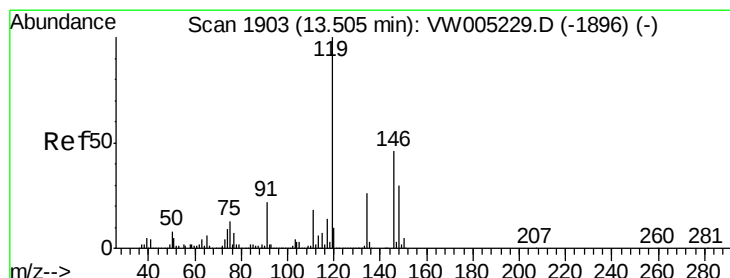
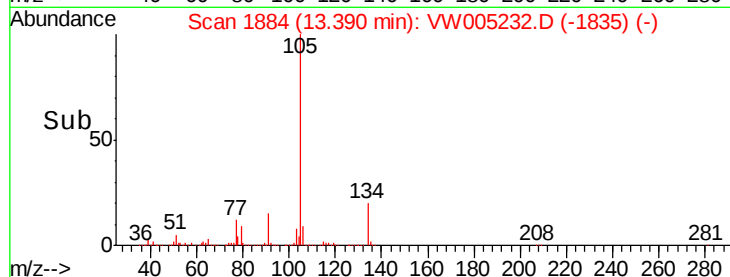
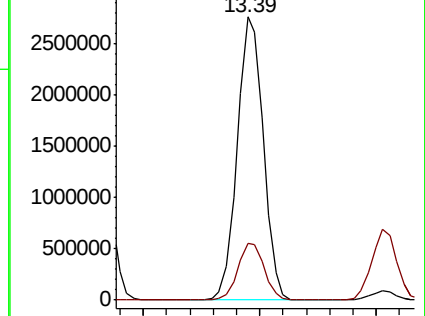
105 100

134 20.3 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: 155.211 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

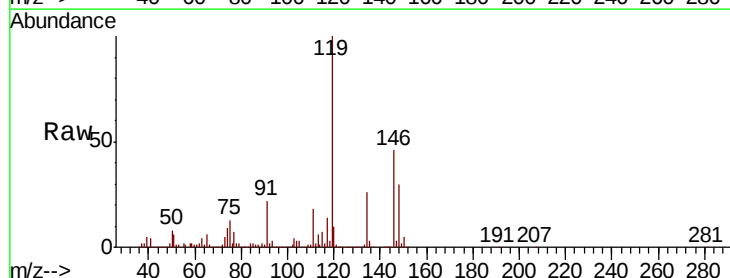
Tgt Ion:119 Resp: 3869590

Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

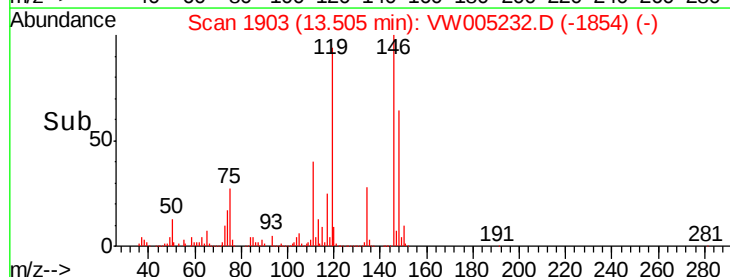
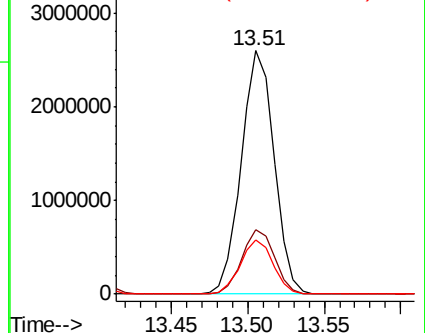
91 22.0 10.9 32.7

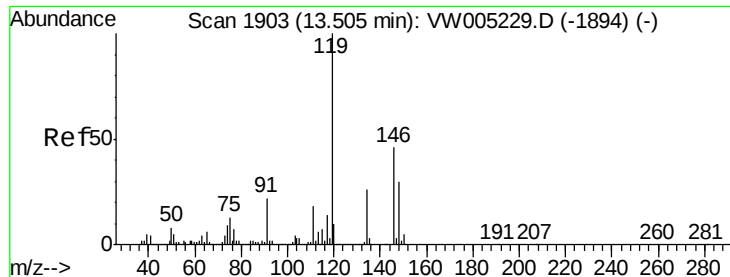


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 144.142 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

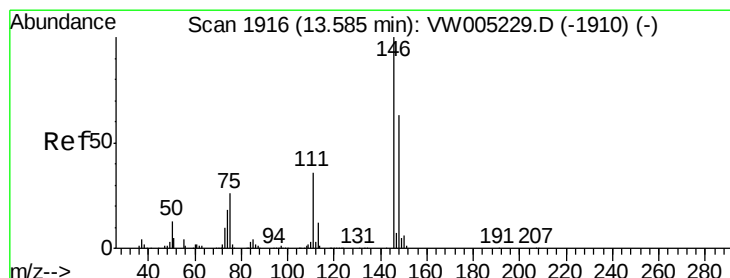
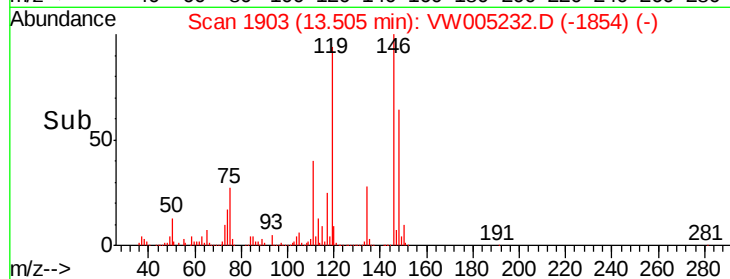
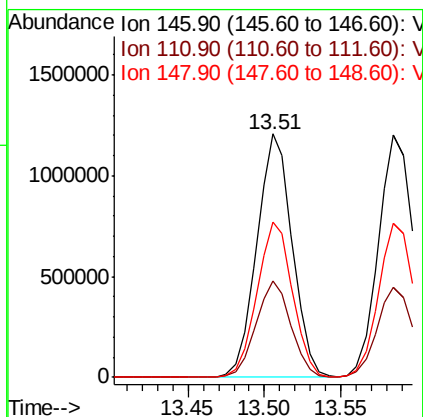
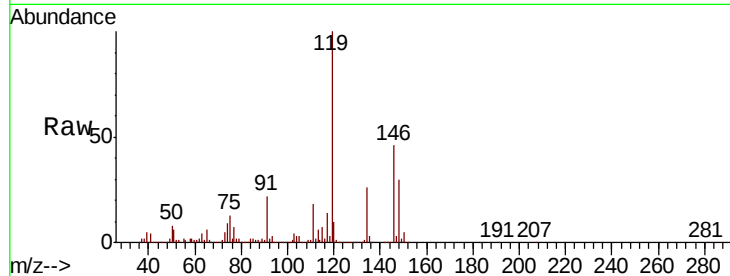
Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:146 Resp: 1940758

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.3	57.8
148	64.0	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 143.295 ug/l

RT: 13.58 min Scan# 1916

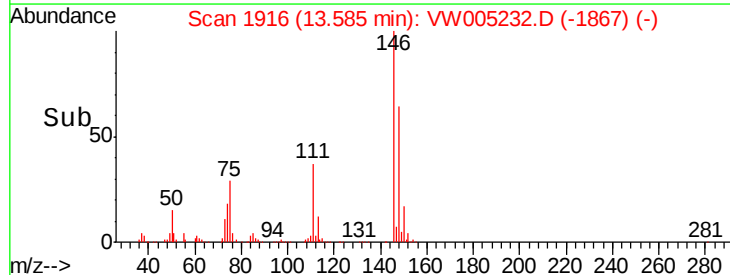
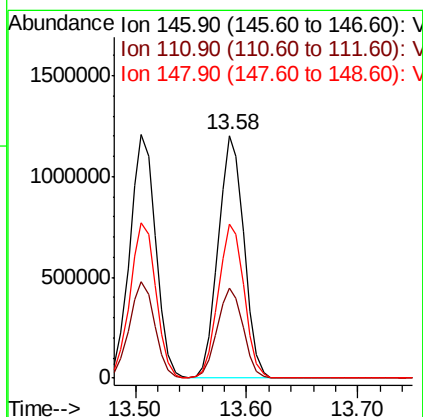
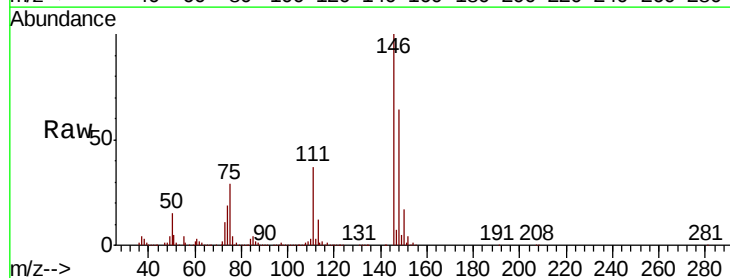
Delta R.T. 0.00 min

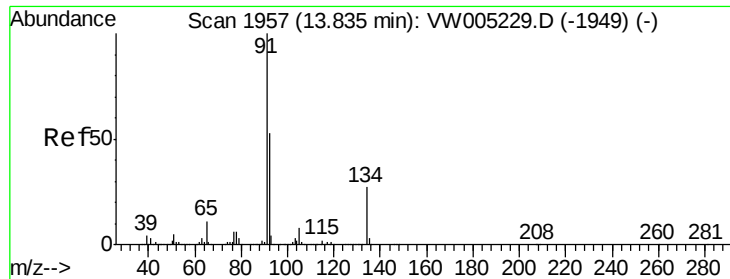
Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Tgt Ion:146 Resp: 1916956

Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	56.0
148	63.9	32.0	96.0





#89

n-Butylbenzene

Concen: 158.096 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

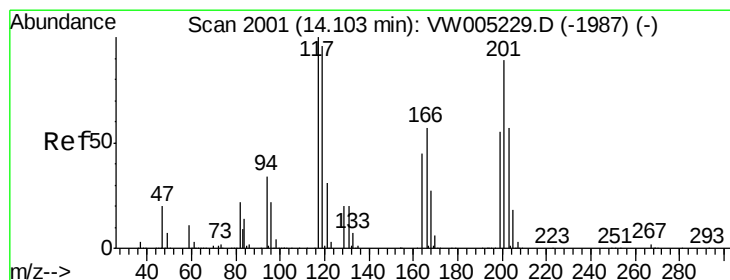
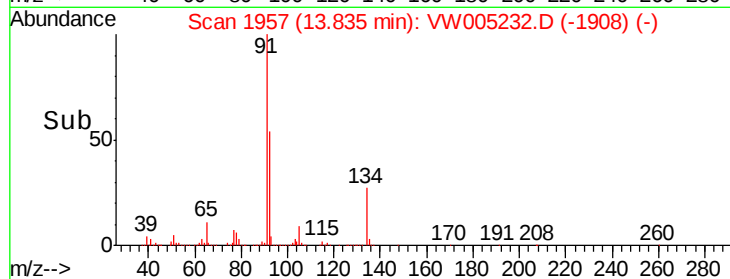
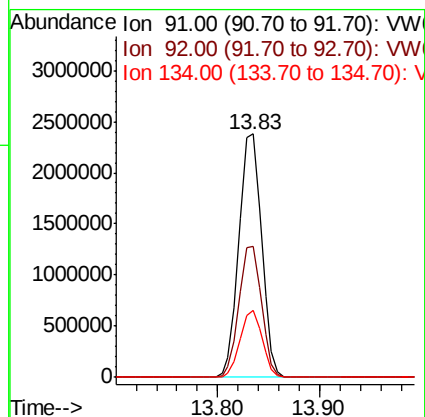
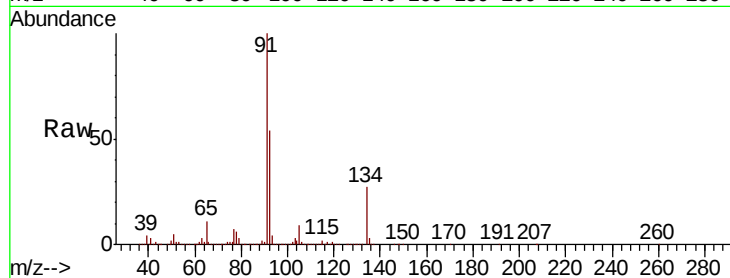
Tgt Ion: 91 Resp: 3646198

Ion Ratio Lower Upper

91 100

92 53.6 26.7 80.0

134 26.7 13.5 40.4



#90

Hexachloroethane

Concen: 152.779 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW005232.D

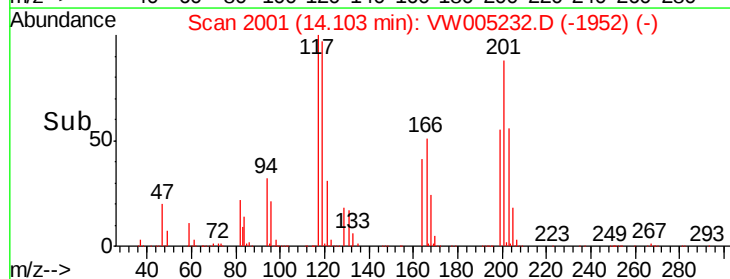
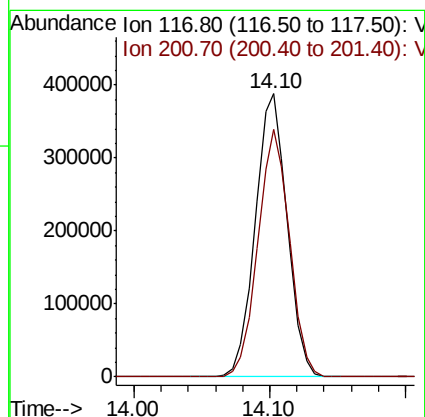
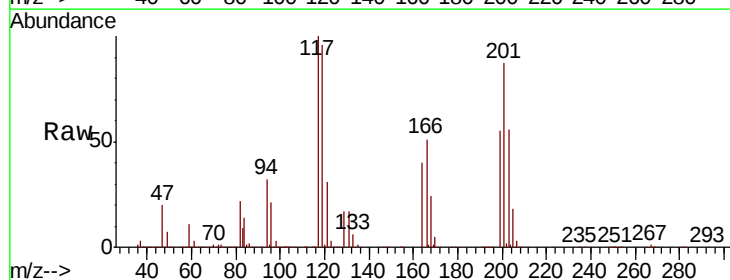
Acq: 08 Sep 2018 02:19

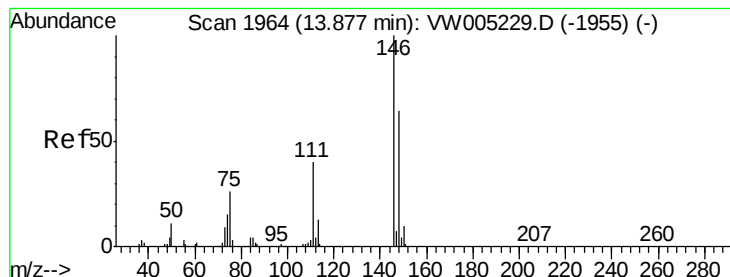
Tgt Ion: 117 Resp: 635998

Ion Ratio Lower Upper

117 100

201 86.8 44.8 134.4





#91

1,2-Dichlorobenzene

Concen: 146.303 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

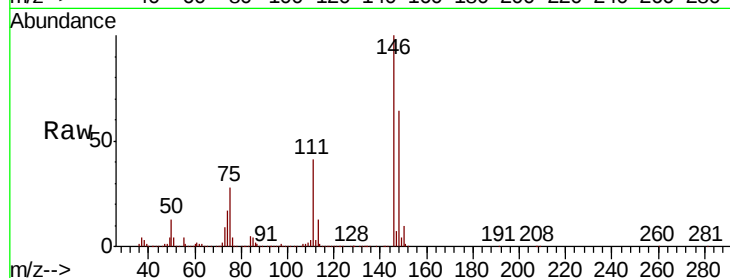
Tgt Ion:146 Resp: 1723961

Ion Ratio Lower Upper

146 100

111 40.4 20.0 60.0

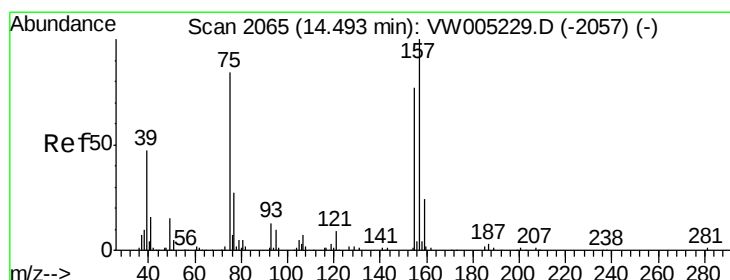
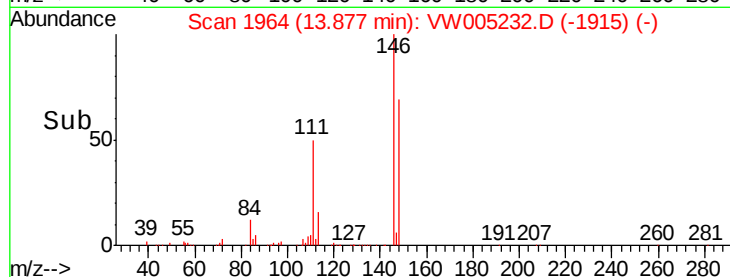
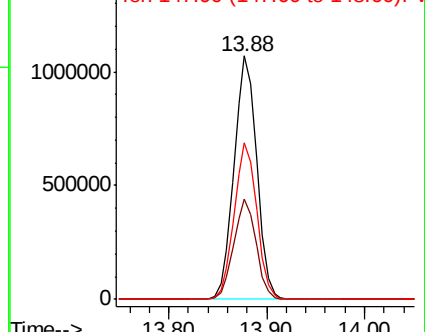
148 64.0 32.0 96.2



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: 165.790 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW005232.D

Acq: 08 Sep 2018 02:19

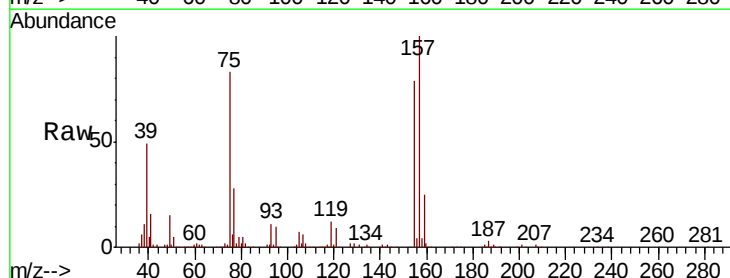
Tgt Ion: 75 Resp: 108327

Ion Ratio Lower Upper

75 100

155 92.2 45.6 136.9

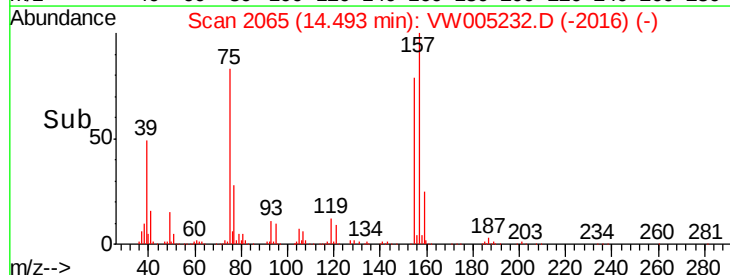
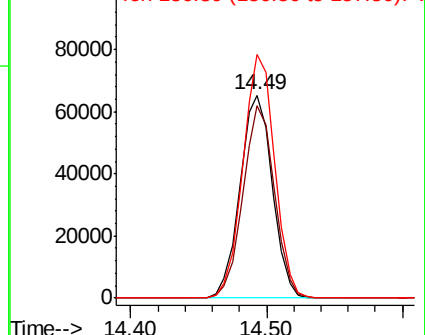
157 117.8 59.6 178.7

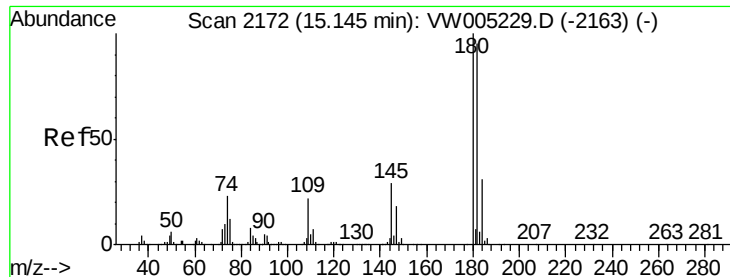


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

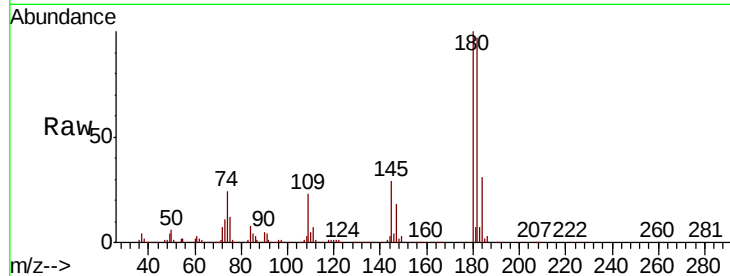




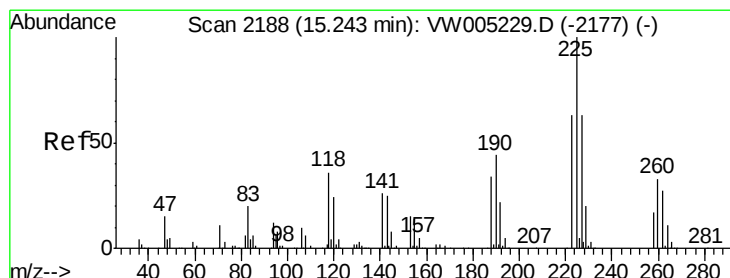
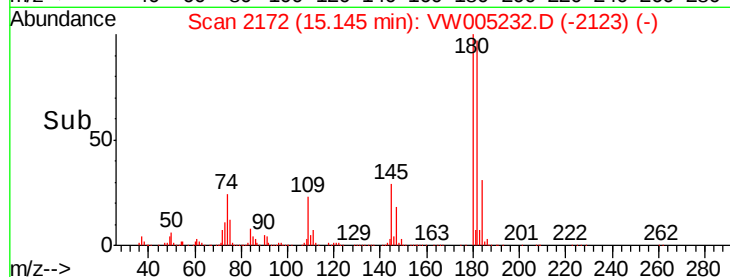
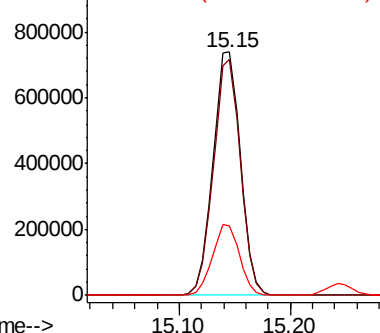
#93
 1,2,4-Trichlorobenzene
 Concen: 160.275 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 1261106
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.9 143.8
 145 28.8 14.5 43.6

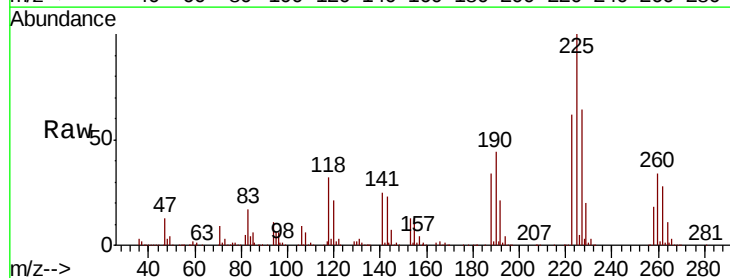


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

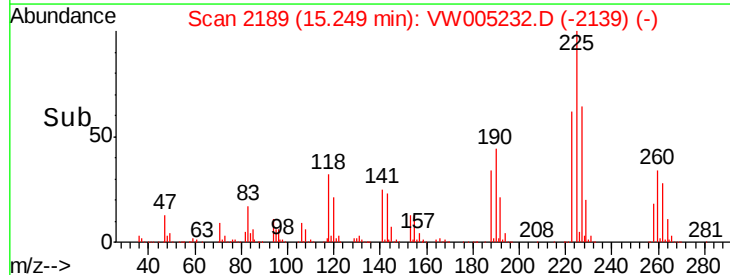
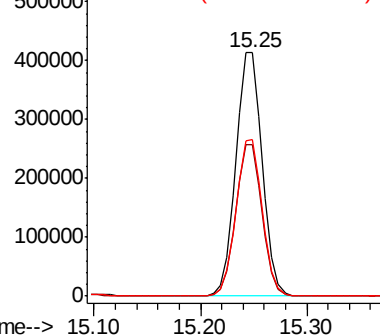


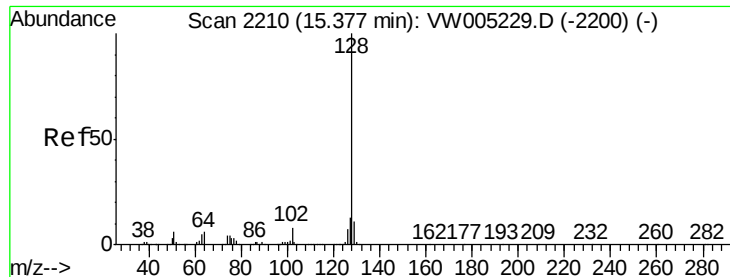
#94
 Hexachlorobutadiene
 Concen: 145.959 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005232.D
 Acq: 08 Sep 2018 02:19

Tgt Ion:225 Resp: 718647
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.4 94.2
 227 63.9 31.9 95.9



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

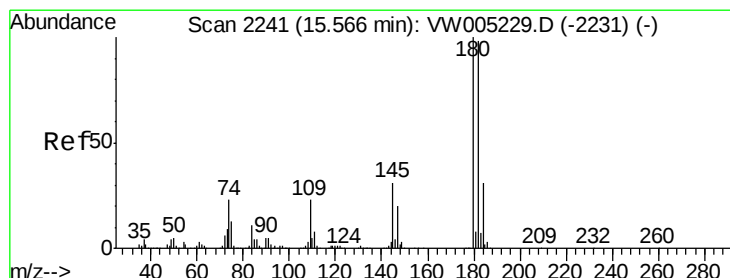
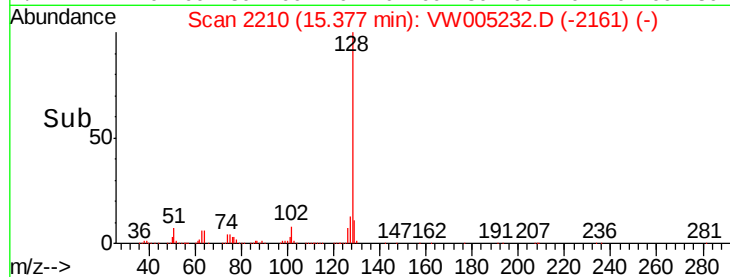
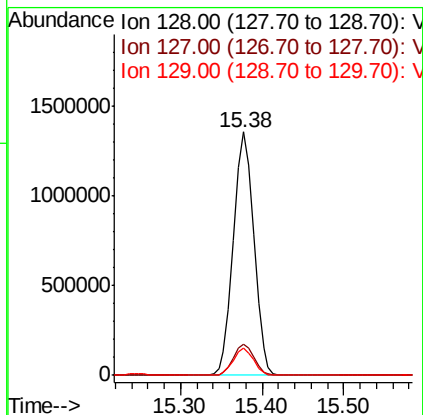
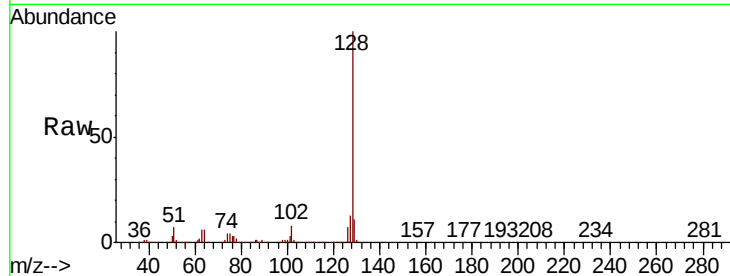




#95
Naphthalene
Concen: 187.025 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 2333689
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: 162.287 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005232.D
Acq: 08 Sep 2018 02:19

Tgt Ion:180 Resp: 1097286
Ion Ratio Lower Upper
180 100
182 95.6 48.3 144.9
145 30.8 15.3 45.9

