

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100418\
 Data File : VW005835.D
 Acq On : 04 Oct 2018 04:03
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 04 05:23:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 04 05:22:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	177474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	273718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	262719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	143730	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	45215	21.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.96%	
35) Dibromofluoromethane	7.89	113	37012	21.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.70%	
50) Toluene-d8	10.33	98	143551	20.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.90%	
62) 4-Bromofluorobenzene	12.62	95	54368	20.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	20989	17.694	ug/l	100
3) Chloromethane	2.21	50	22181	15.816	ug/l	92
4) Vinyl Chloride	2.37	62	34164	19.789	ug/l	99
5) Bromomethane	2.79	94	23997	20.483	ug/l	94
6) Chloroethane	2.93	64	20875	18.870	ug/l	95
7) Trichlorofluoromethane	3.26	101	22880	17.234	ug/l	100
8) Diethyl Ether	3.68	74	18417	20.626	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	32566	19.158	ug/l	98
10) Methyl Iodide	4.27	142	53731	20.311	ug/l	100
11) Tert butyl alcohol	5.23	59	13564	111.417	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	31764	19.387	ug/l	94
13) Acrolein	3.90	56	15145	160.437	ug/l	99
14) Allyl chloride	4.67	41	51041	18.090	ug/l	100
15) Acrylonitrile	5.38	53	41768	105.638	ug/l	99
16) Acetone	4.14	43	37318	99.161	ug/l	97
17) Carbon Disulfide	4.37	76	94711	18.348	ug/l	98
18) Methyl Acetate	4.68	43	20497	20.213	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	54447	21.282	ug/l	97
20) Methylene Chloride	4.92	84	46470	21.834	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	35053	19.537	ug/l	92
22) Diisopropyl ether	6.32	45	110675	20.136	ug/l	99
23) Vinyl Acetate	6.26	43	311274	98.563	ug/l	100
24) 1,1-Dichloroethane	6.22	63	68597	20.099	ug/l	99
25) 2-Butanone	7.18	43	54300	105.146	ug/l	97
26) 2,2-Dichloropropane	7.17	77	42379	18.139	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	39641	20.077	ug/l	98
28) Bromochloromethane	7.52	49	26048	19.630	ug/l	98
29) Tetrahydrofuran	7.54	42	33781	104.487	ug/l	99
30) Chloroform	7.68	83	73967	20.899	ug/l	100
31) Cyclohexane	7.96	56	54448	16.817	ug/l	93
32) 1,1,1-Trichloroethane	7.88	97	62506	20.099	ug/l	99
36) 1,1-Dichloropropene	8.09	75	52077	18.769	ug/l	99
37) Ethyl Acetate	7.27	43	23355	19.861	ug/l	99
38) Carbon Tetrachloride	8.07	117	58516	19.659	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	56419	17.295	ug/l	96
40) Benzene	8.33	78	156751	19.871	ug/l	100
41) Methacrylonitrile	7.49	41	14656	21.548	ug/l	97
42) 1,2-Dichloroethane	8.40	62	54228	21.218	ug/l	99
43) Isopropyl Acetate	8.43	43	46474	19.993	ug/l	99
44) Trichloroethene	9.10	130	40269	19.876	ug/l	95
45) 1,2-Dichloropropane	9.37	63	37046	19.279	ug/l	98
46) Dibromomethane	9.46	93	21117	21.548	ug/l	98
47) Bromodichloromethane	9.65	83	53651	20.543	ug/l	96
48) Methyl methacrylate	9.44	41	22141	20.027	ug/l	98
49) 1,4-Dioxane	9.48	88	6953	444.508	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	123645	105.254	ug/l	99
52) Toluene	10.39	92	97944	19.853	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	52560	20.093	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	58835	20.099	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	30143	21.617	ug/l	97
56) Ethyl methacrylate	10.65	69	35318	20.533	ug/l	97
57) 1,3-Dichloropropane	10.94	76	51112	20.789	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	78258	102.380	ug/l	100
59) 2-Hexanone	10.98	43	83163	104.457	ug/l	100
60) Dibromochloromethane	11.13	129	36923	21.741	ug/l	97
61) 1,2-Dibromoethane	11.24	107	28025	21.510	ug/l	98
64) Tetrachloroethene	10.87	164	38965	20.474	ug/l	99
65) Chlorobenzene	11.66	112	112674	20.035	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	42326	20.769	ug/l	99
67) Ethyl Benzene	11.74	91	189397	19.027	ug/l	97
68) m/p-Xylenes	11.85	106	148319	39.305	ug/l	99
69) o-Xylene	12.17	106	67993	19.256	ug/l	97
70) Styrene	12.19	104	119030	20.035	ug/l	99
71) Bromoform	12.35	173	23675	21.646	ug/l #	100
73) Isopropylbenzene	12.47	105	191193	19.160	ug/l	99
74) N-amyl acetate	12.28	43	44250	19.528	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	35912	21.390	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	48724	39.102	ug/l #	100
77) Bromobenzene	12.76	156	48756	20.628	ug/l	99
78) n-propylbenzene	12.81	91	231444	19.209	ug/l	99
79) 2-Chlorotoluene	12.90	91	139070	19.861	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	171255	19.721	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	10252	18.730	ug/l	94
82) 4-Chlorotoluene	12.99	91	146542	19.839	ug/l	99
83) tert-Butylbenzene	13.21	119	138372	18.982	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	175855	20.029	ug/l	98
85) sec-Butylbenzene	13.39	105	205682	19.505	ug/l	99
86) p-Isopropyltoluene	13.51	119	182715	19.272	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	100024	20.747	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	98967	20.667	ug/l	99
89) n-Butylbenzene	13.83	91	165695	18.638	ug/l	99
90) Hexachloroethane	14.10	117	34386	20.000	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	90819	21.257	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6829	21.124	ug/l	96

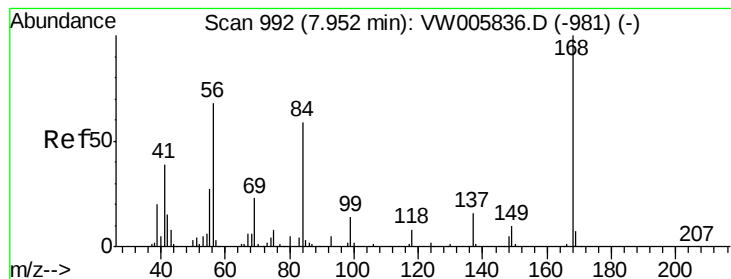
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	63123	20.813	ug/l	99
94) Hexachlorobutadiene	15.24	225	38327	19.612	ug/l	97
95) Naphthalene	15.38	128	106898	20.704	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	57087	21.242	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

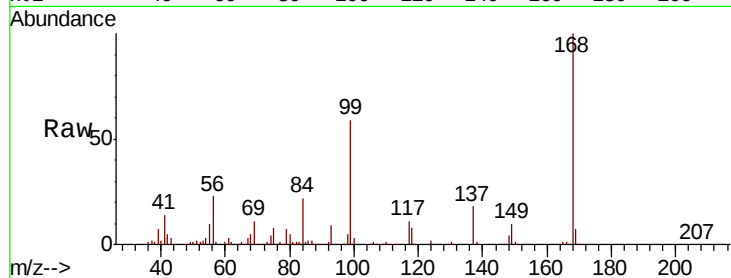
VSTDIC020

Tgt Ion:168 Resp: 177474

Ion Ratio Lower Upper

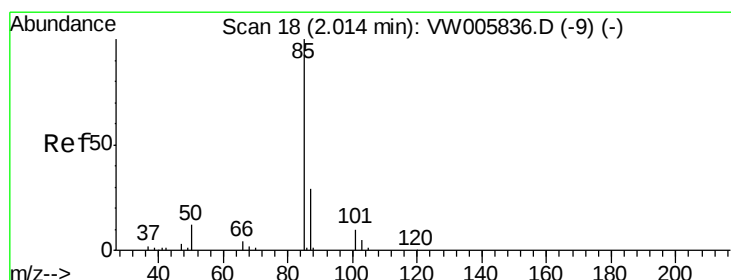
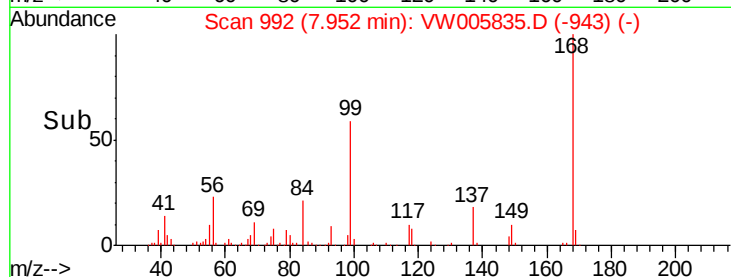
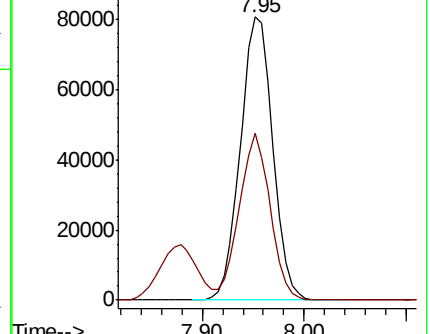
168 100

99 59.1 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 17.694 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005835.D

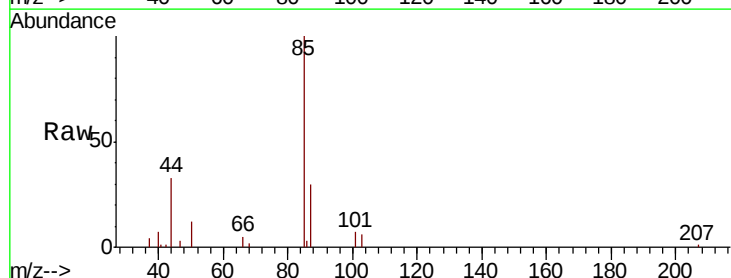
Acq: 04 Oct 2018 04:03

Tgt Ion: 85 Resp: 20989

Ion Ratio Lower Upper

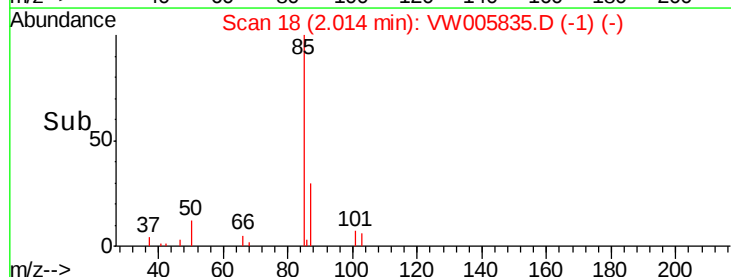
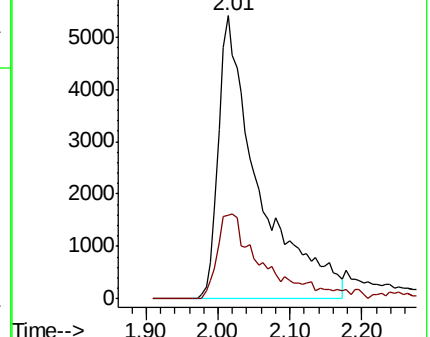
85 100

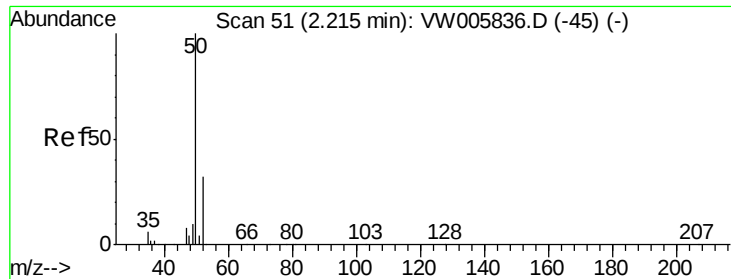
87 29.5 14.8 44.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 15.816 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

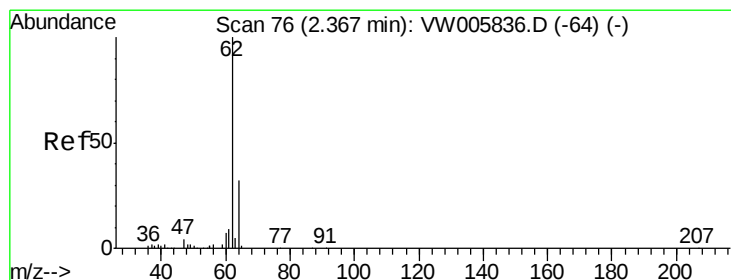
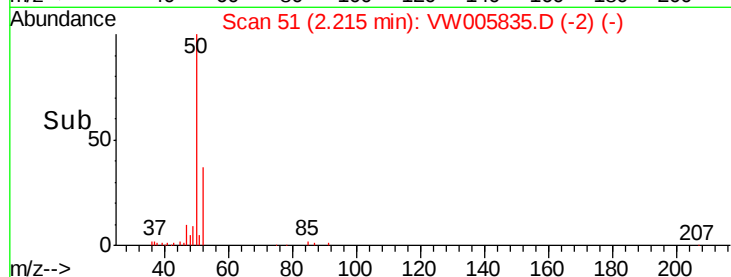
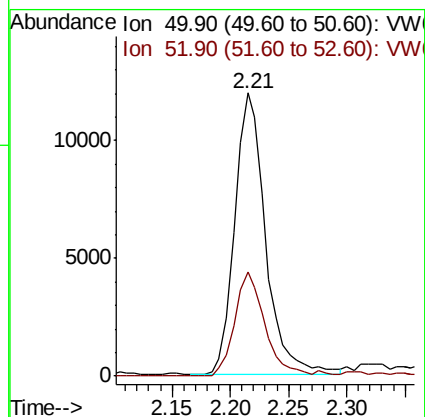
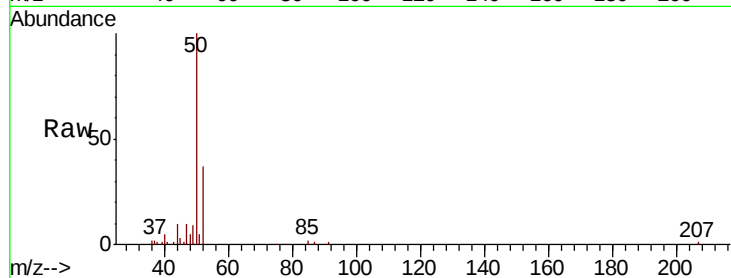
VSTDIC020

Tgt Ion: 50 Resp: 22181

Ion Ratio Lower Upper

50 100

52 37.2 26.0 39.0



#4

Vinyl Chloride

Concen: 19.789 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005835.D

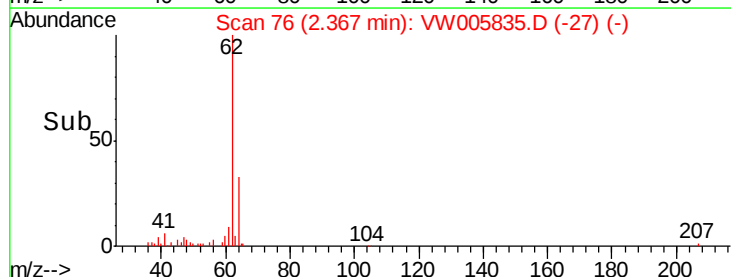
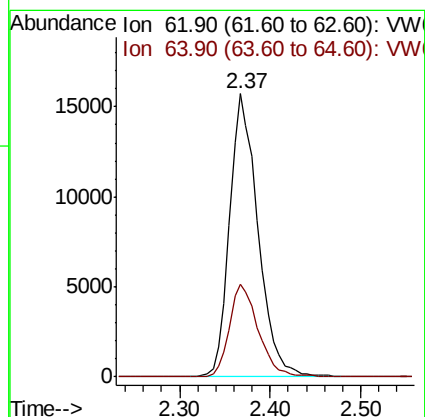
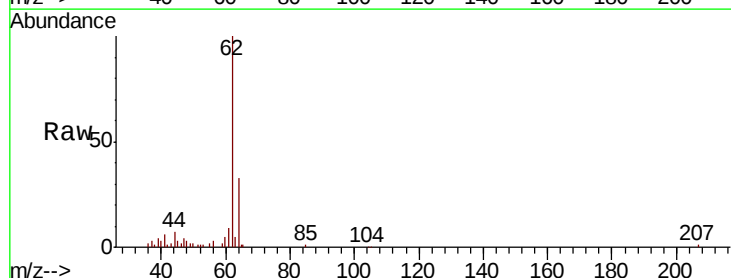
Acq: 04 Oct 2018 04:03

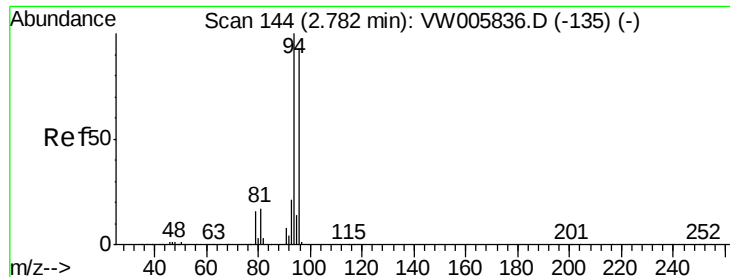
Tgt Ion: 62 Resp: 34164

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5





#5

Bromomethane

Concen: 20.483 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

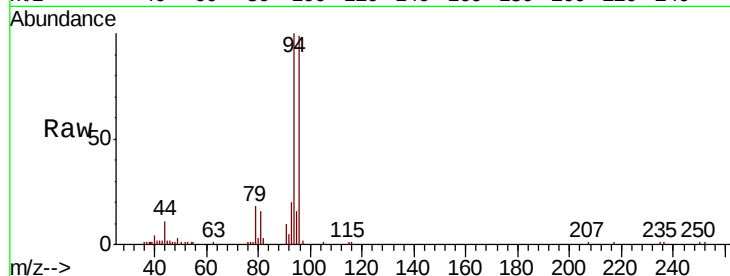
VSTDIC020

Tgt Ion: 94 Resp: 23997

Ion Ratio Lower Upper

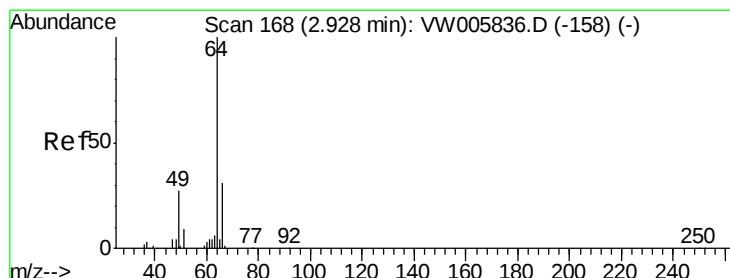
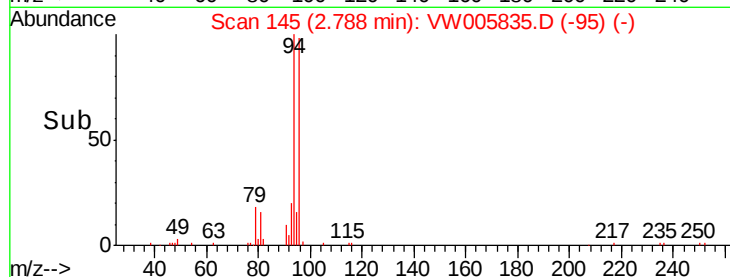
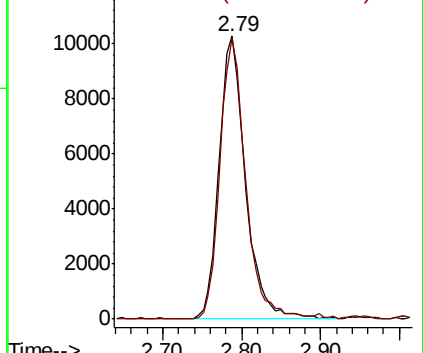
94 100

96 99.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.870 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW005835.D

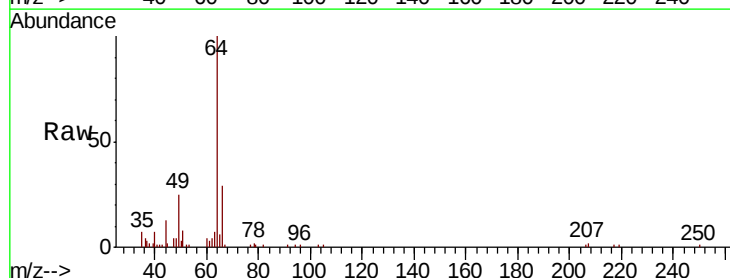
Acq: 04 Oct 2018 04:03

Tgt Ion: 64 Resp: 20875

Ion Ratio Lower Upper

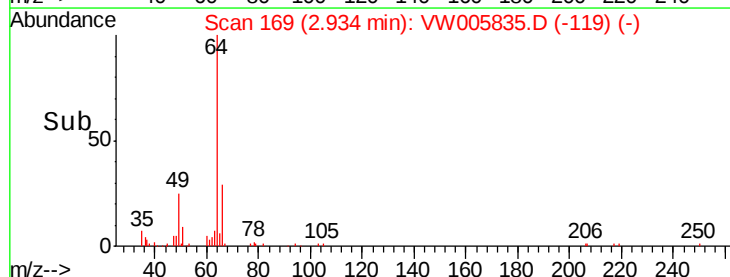
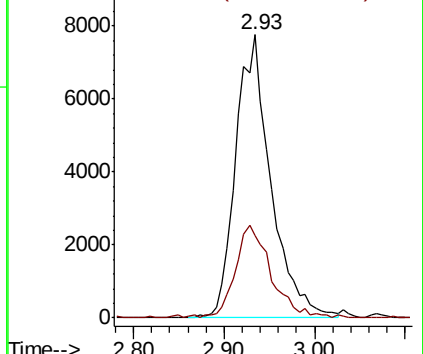
64 100

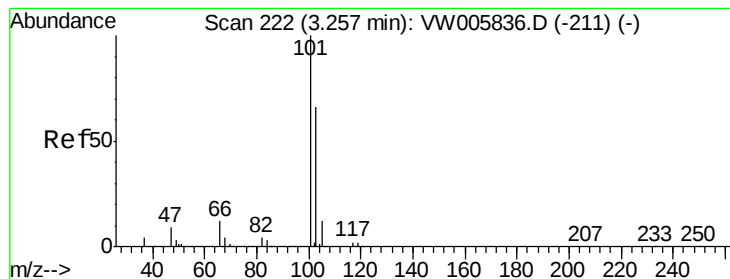
66 28.5 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



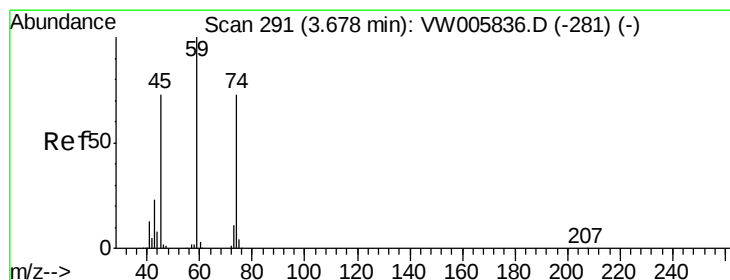
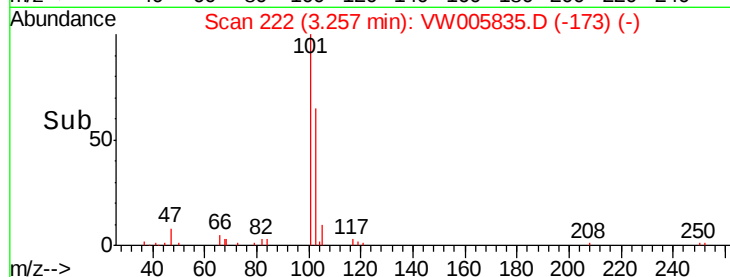
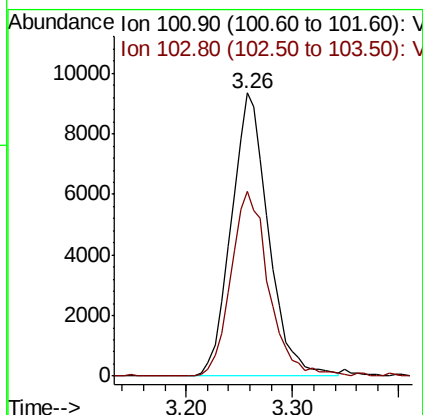
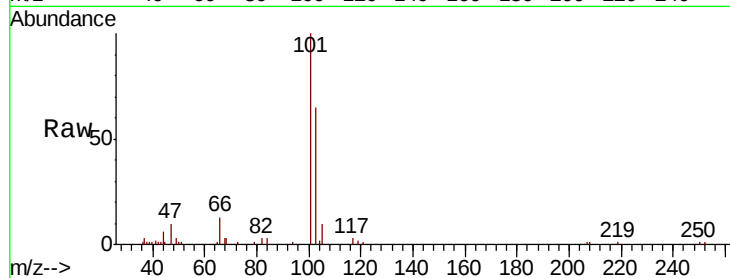


#7

Trichlorofluoromethane
 Concen: 17.234 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

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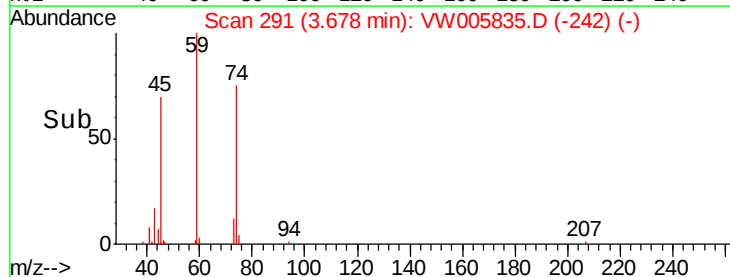
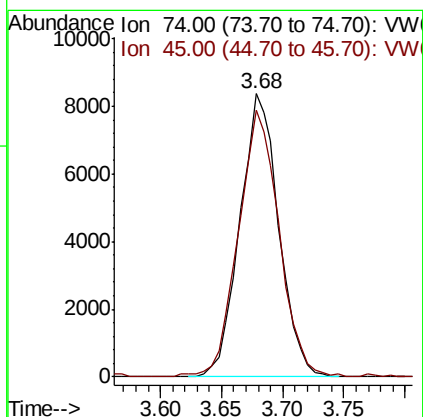
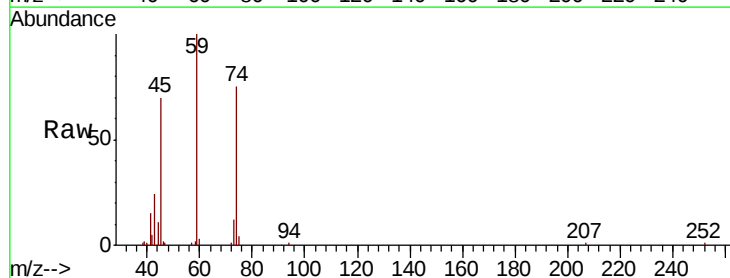
Tgt Ion:101 Resp: 22880
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.5 78.7

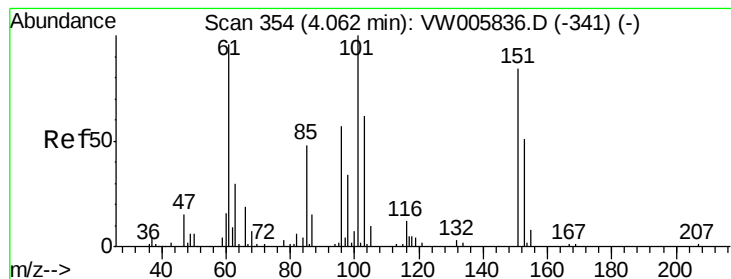


#8

Diethyl Ether
 Concen: 20.626 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion: 74 Resp: 18417
 Ion Ratio Lower Upper
 74 100
 45 98.9 49.1 147.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.158 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

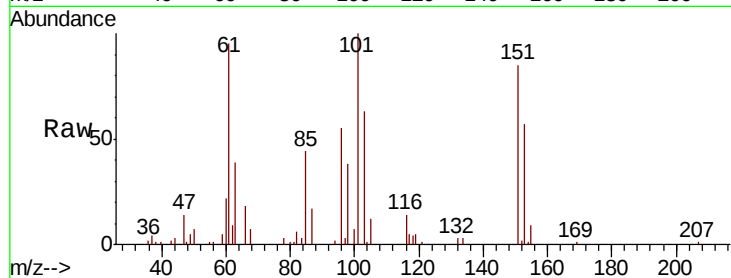
Tgt Ion:101 Resp: 32566

Ion Ratio Lower Upper

101 100

85 46.5 35.5 53.3

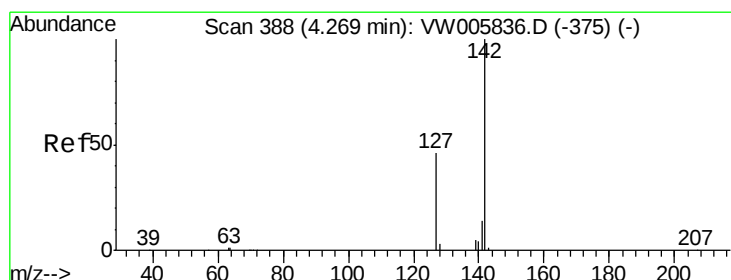
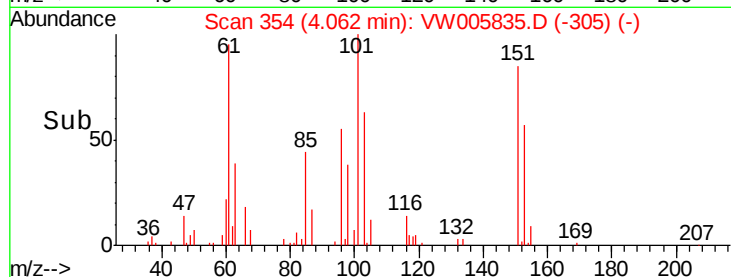
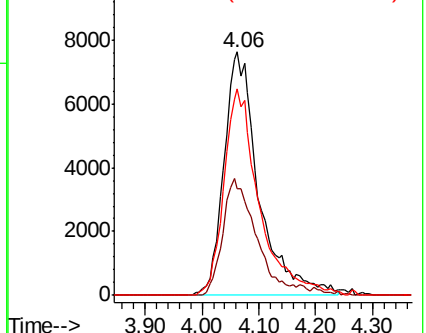
151 85.5 67.4 101.2



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: 20.311 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

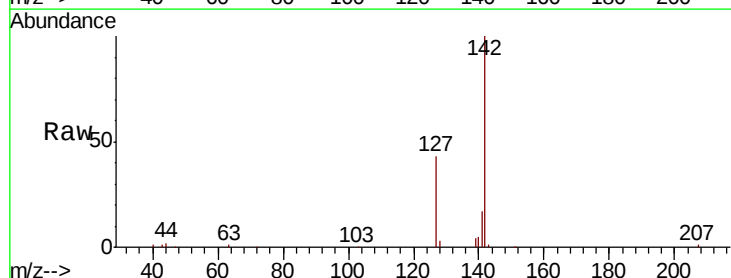
Tgt Ion:142 Resp: 53731

Ion Ratio Lower Upper

142 100

127 46.5 37.4 56.0

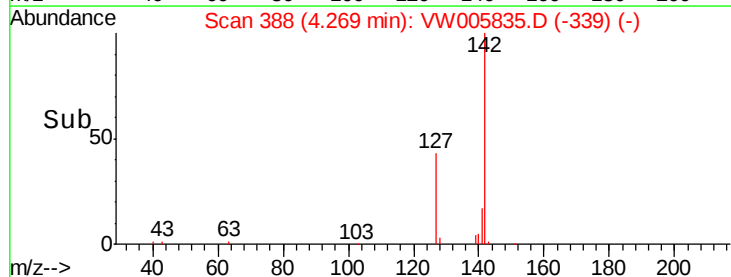
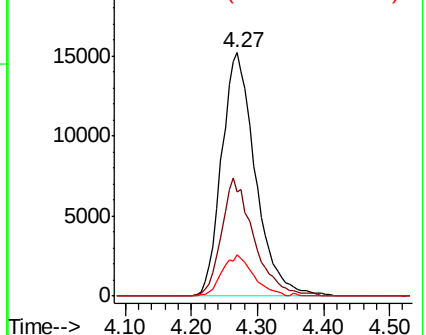
141 15.6 12.2 18.2

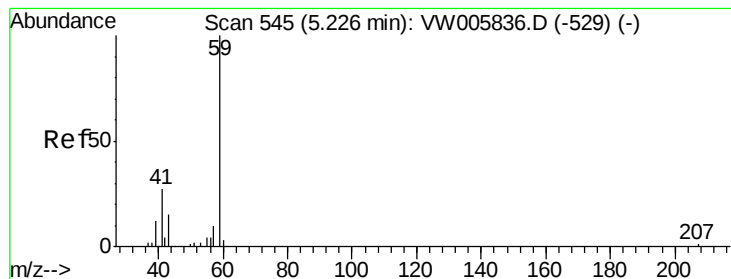


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



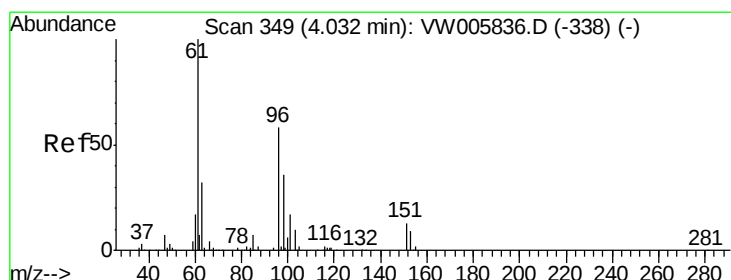
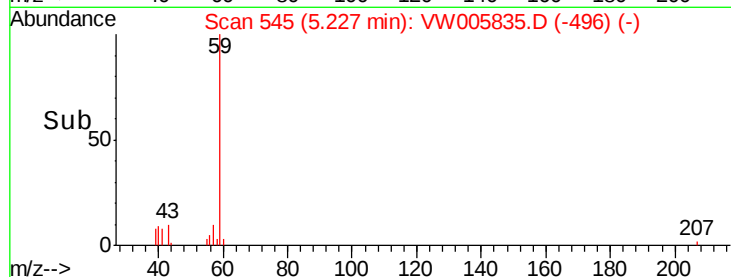
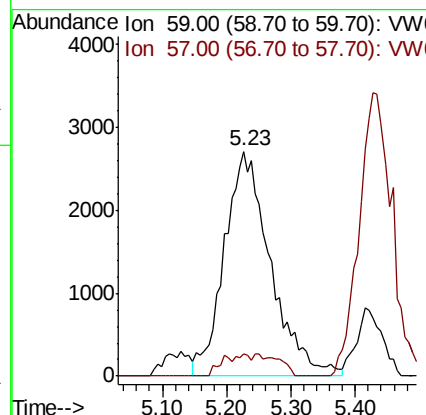
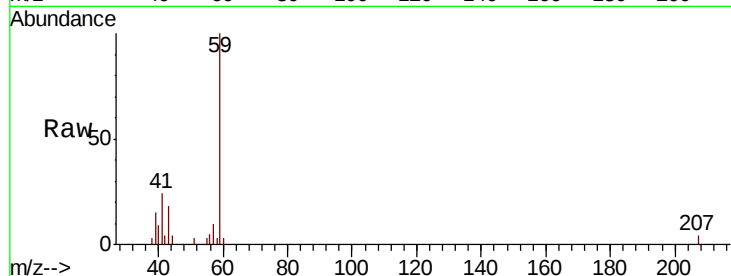


#11

Tert butyl alcohol
Concen: 111.417 ug/l
RT: 5.23 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

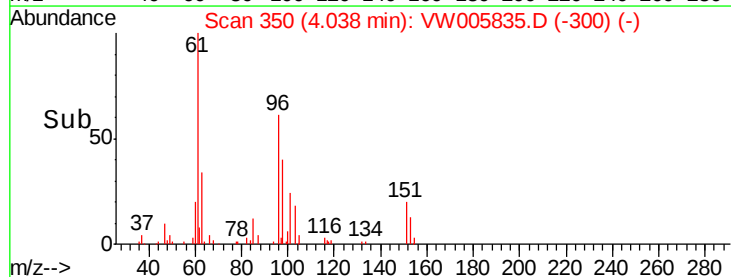
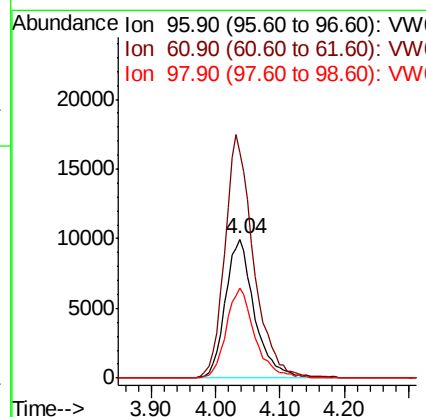
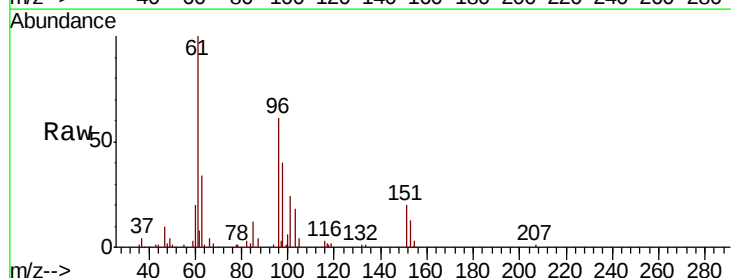
Tgt Ion: 59 Resp: 13564
Ion Ratio Lower Upper
59 100
57 0.0 4.9 7.3#

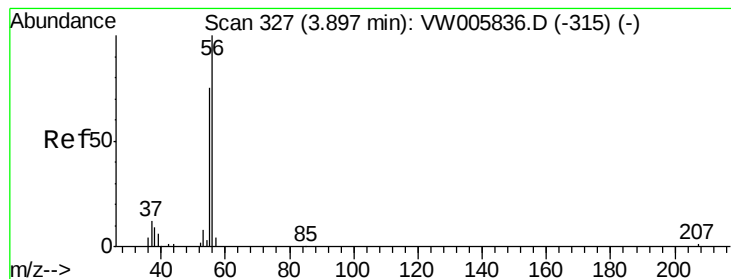


#12

1,1-Dichloroethene
Concen: 19.387 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion: 96 Resp: 31764
Ion Ratio Lower Upper
96 100
61 162.7 138.8 208.2
98 64.4 50.6 75.8





#13

Acrolein

Concen: 160.437 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

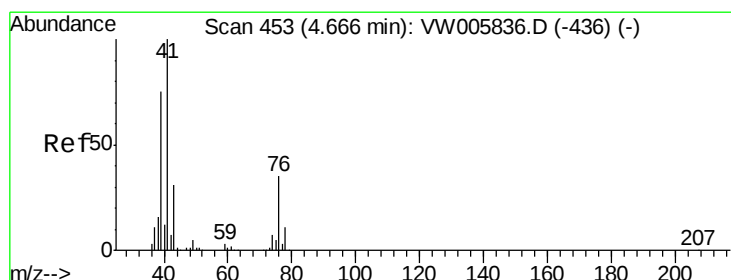
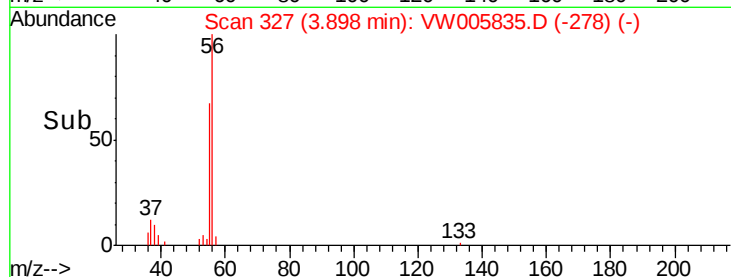
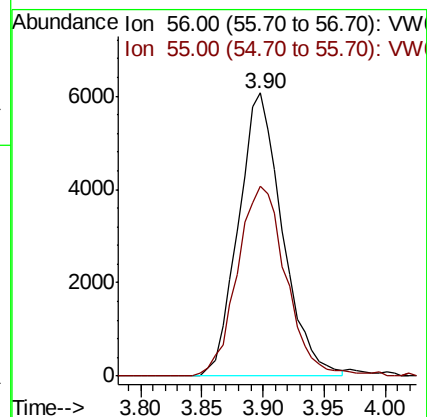
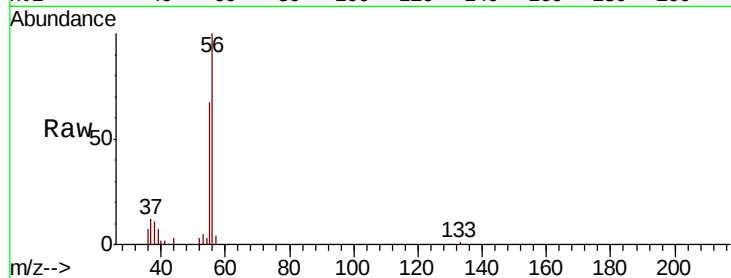
VSTDIC020

Tgt Ion: 56 Resp: 15145

Ion Ratio Lower Upper

56 100

55 74.8 59.2 88.8



#14

Allyl chloride

Concen: 18.090 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

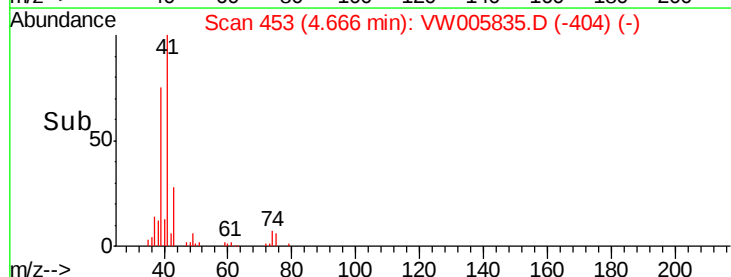
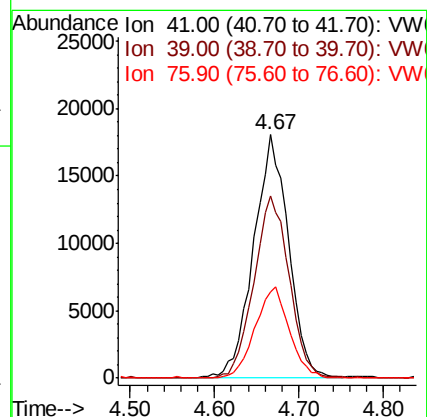
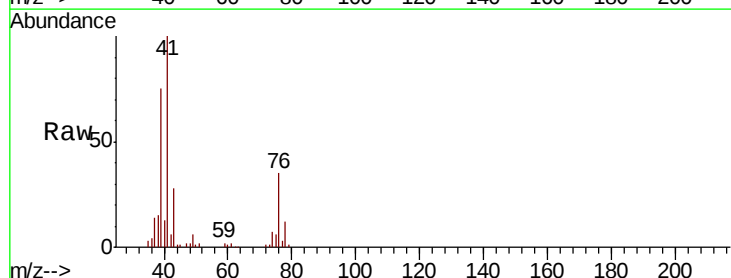
Tgt Ion: 41 Resp: 51041

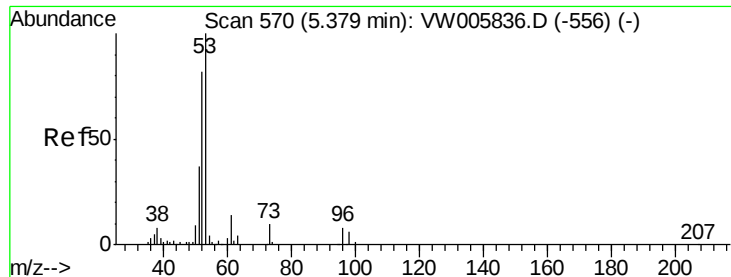
Ion Ratio Lower Upper

41 100

39 75.3 60.3 90.5

76 36.6 28.9 43.3





#15

Acrylonitrile

Concen: 105.638 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

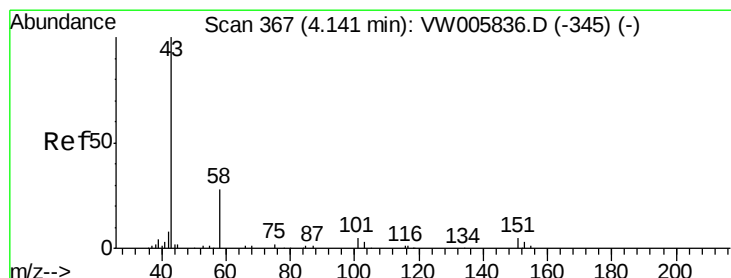
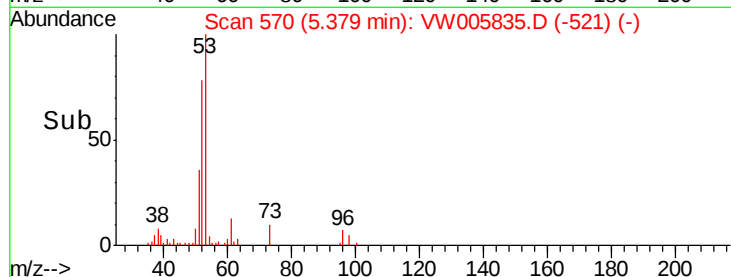
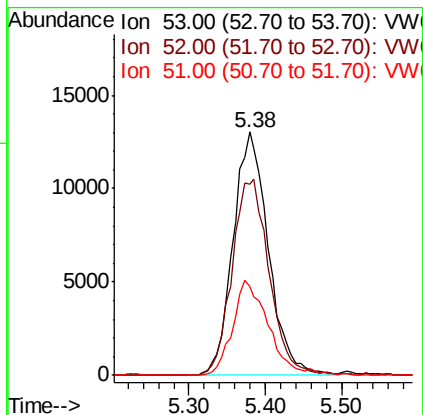
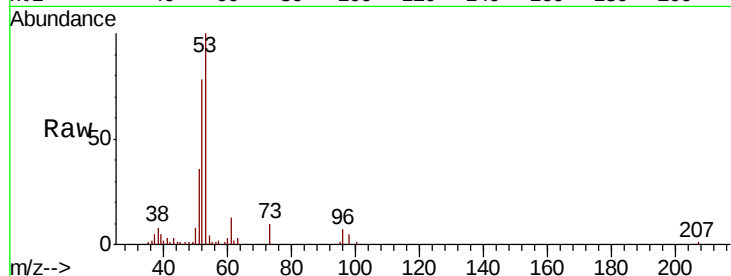
Tgt Ion: 53 Resp: 41768

Ion Ratio Lower Upper

53 100

52 84.5 67.3 100.9

51 39.3 30.2 45.2



#16

Acetone

Concen: 99.161 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW005835.D

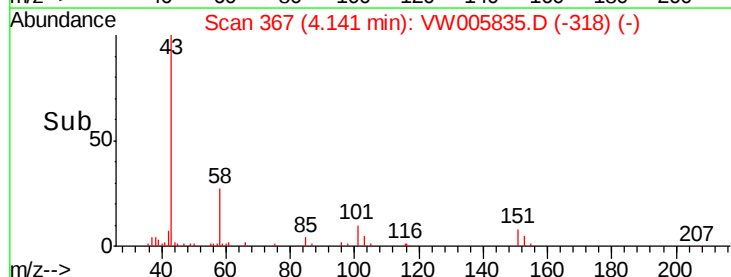
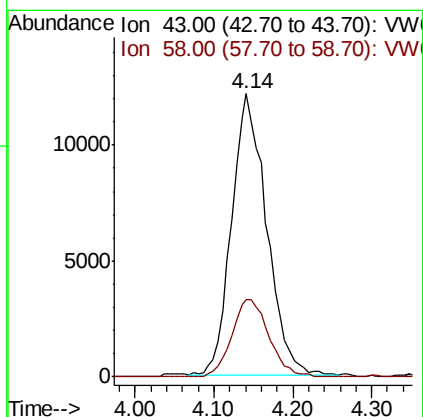
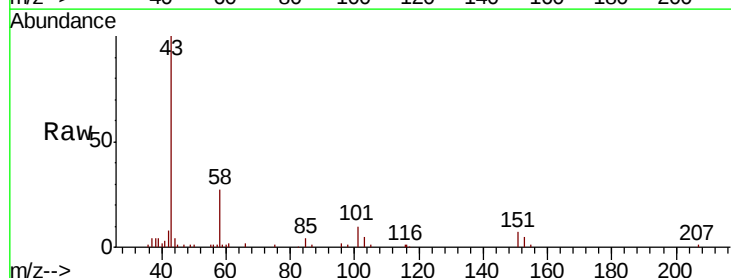
Acq: 04 Oct 2018 04:03

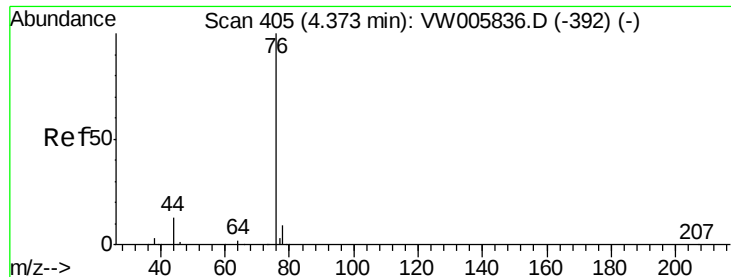
Tgt Ion: 43 Resp: 37318

Ion Ratio Lower Upper

43 100

58 27.3 23.0 34.4





#17

Carbon Disulfide

Concen: 18.348 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

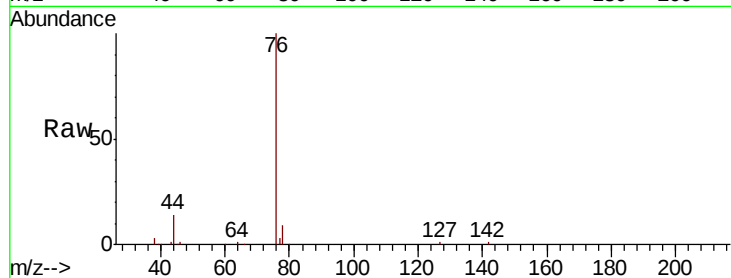
VSTDIC020

Tgt Ion: 76 Resp: 94711

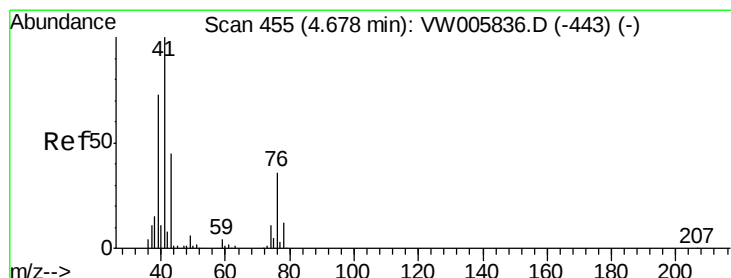
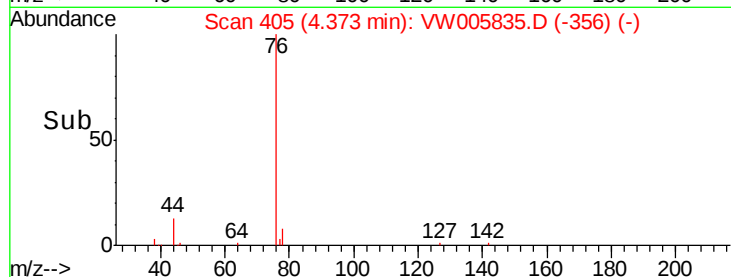
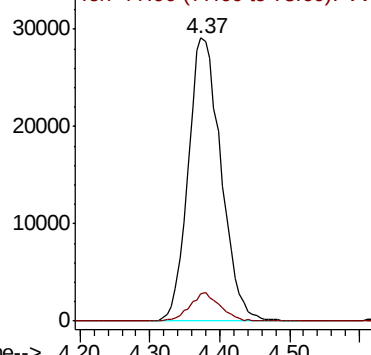
Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 20.213 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW005835.D

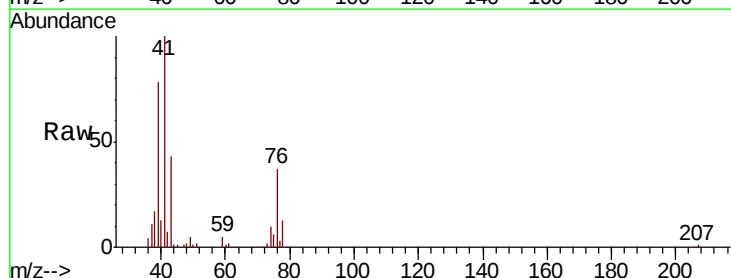
Acq: 04 Oct 2018 04:03

Tgt Ion: 43 Resp: 20497

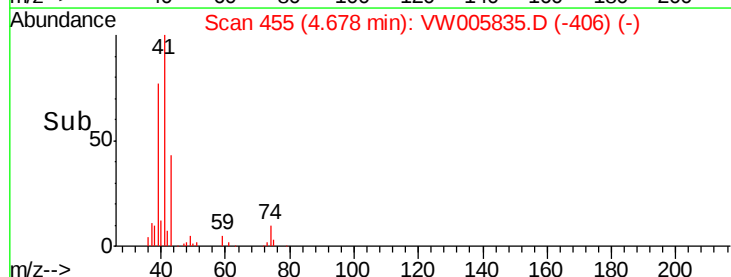
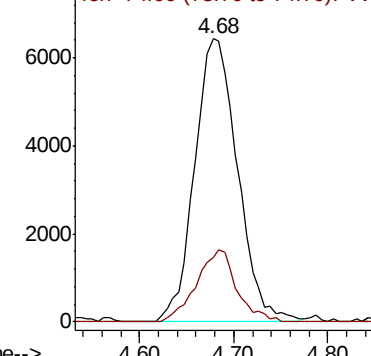
Ion Ratio Lower Upper

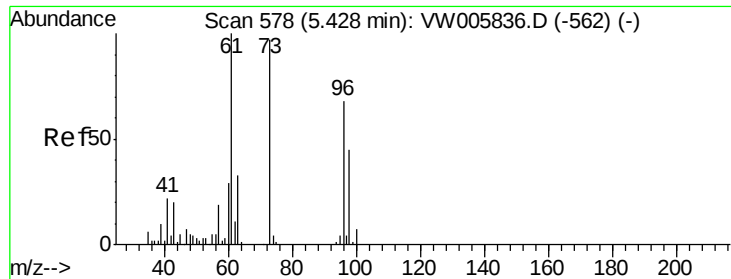
43 100

74 23.9 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

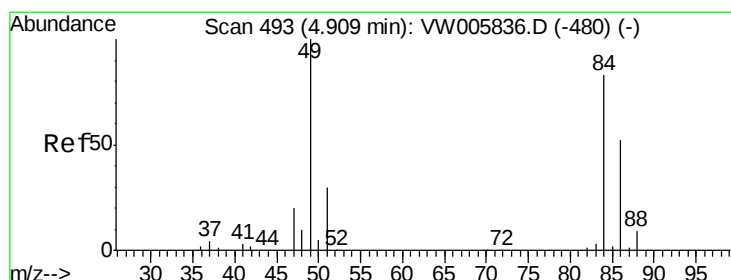
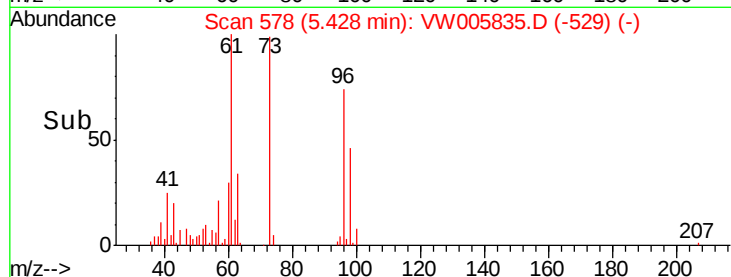
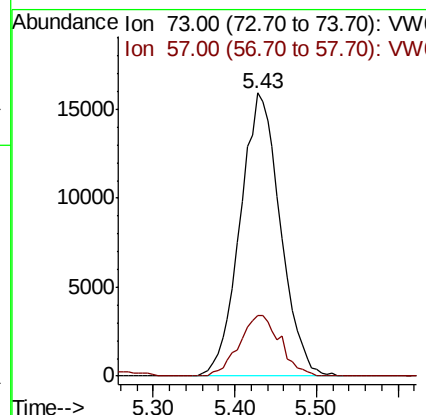
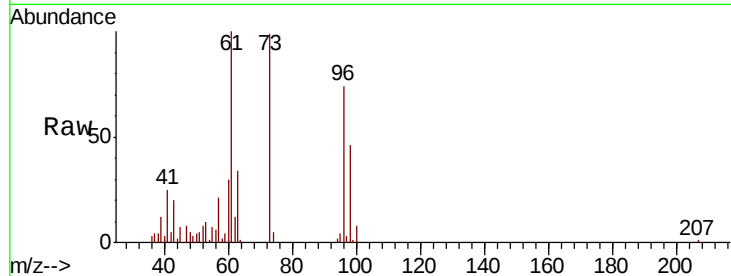




#19
Methyl tert-butyl Ether
Concen: 21.282 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

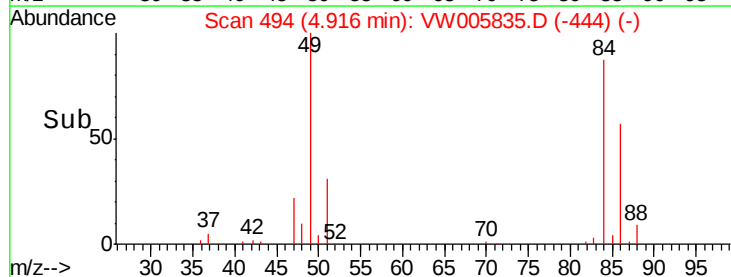
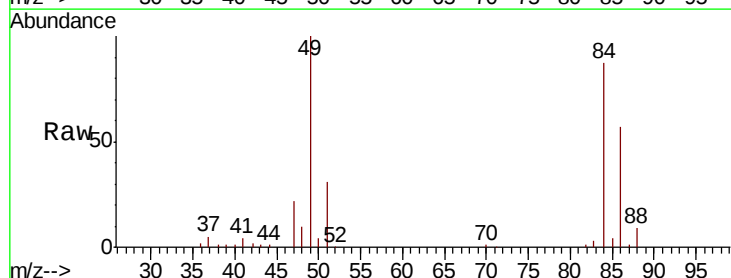
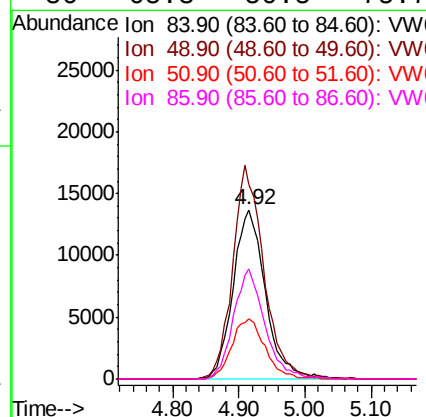
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

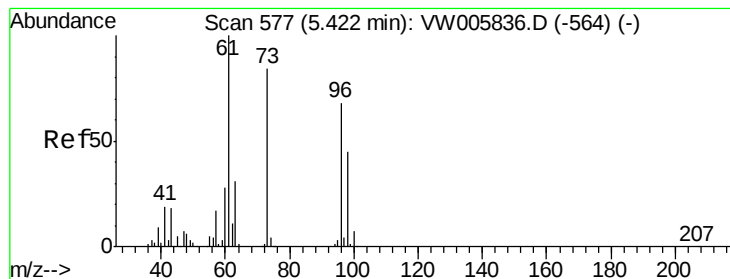
Tgt Ion: 73 Resp: 54447
Ion Ratio Lower Upper
73 100
57 21.5 15.9 23.9



#20
Methylene Chloride
Concen: 21.834 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion: 84 Resp: 46470
Ion Ratio Lower Upper
84 100
49 115.2 96.8 145.2
51 35.6 28.8 43.2
86 65.3 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.537 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

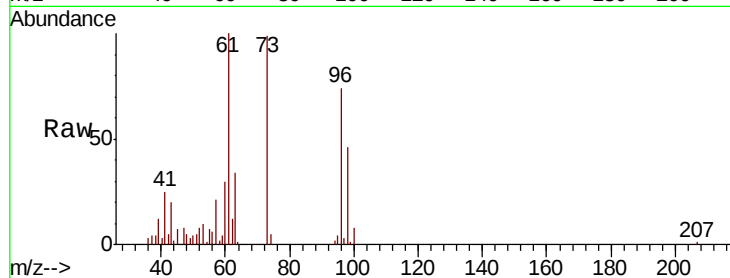
Tgt Ion: 96 Resp: 35053

Ion Ratio Lower Upper

96 100

61 134.6 117.0 175.6

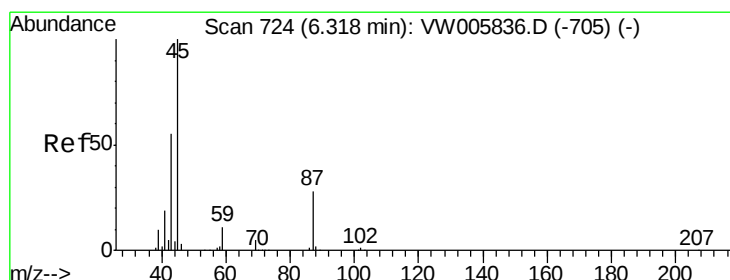
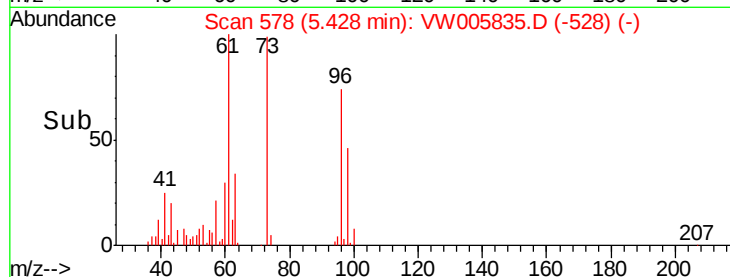
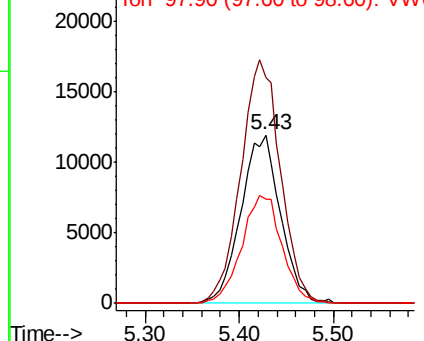
98 62.1 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.136 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Tgt Ion: 45 Resp: 110675

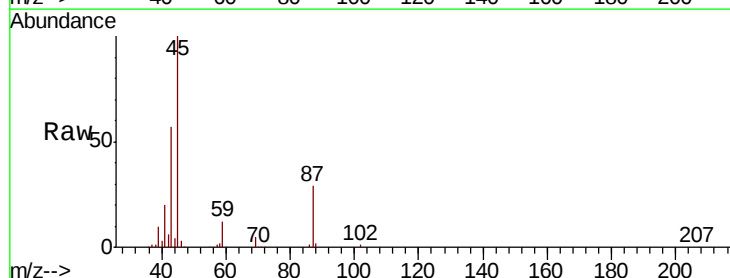
Ion Ratio Lower Upper

45 100

43 56.4 44.6 67.0

87 28.7 23.4 35.2

59 11.5 9.0 13.6

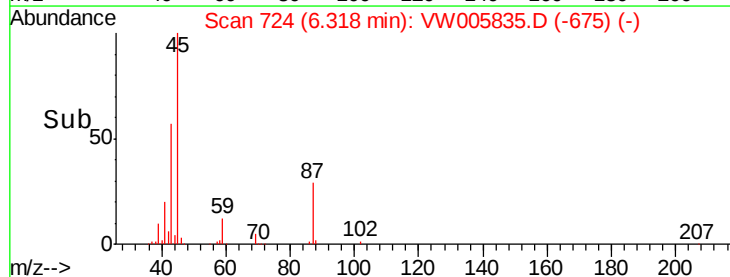
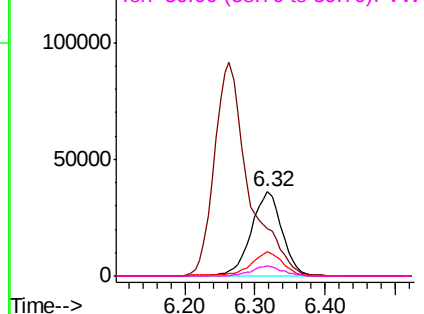


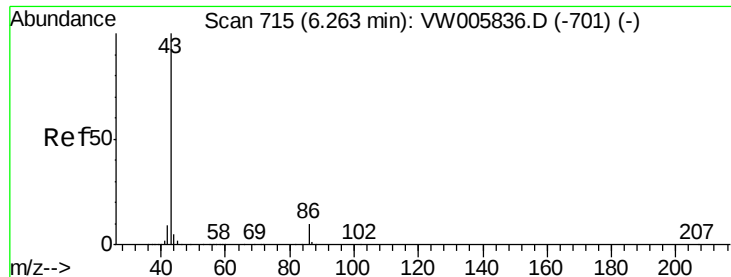
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 98.563 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

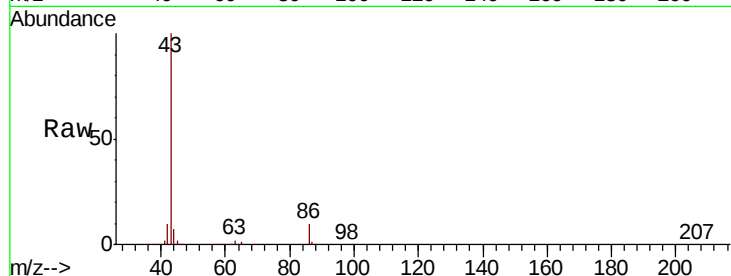
VSTDIC020

Tgt Ion: 43 Resp: 311274

Ion Ratio Lower Upper

43 100

86 10.3 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

100000

80000

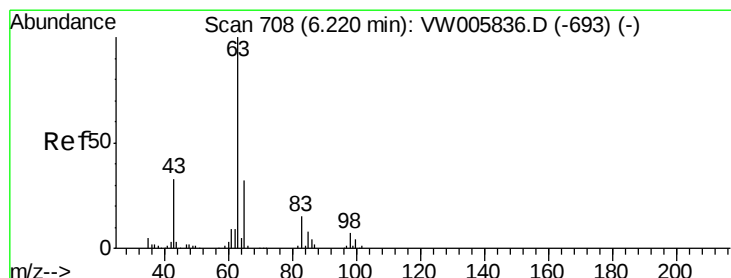
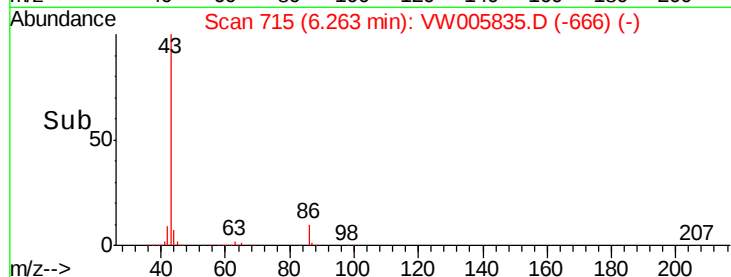
60000

40000

20000

0

Time--> 6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 20.099 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

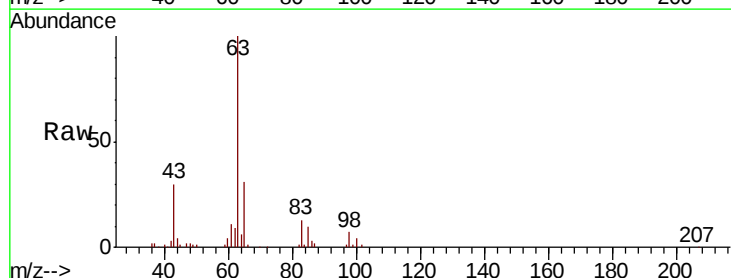
Tgt Ion: 63 Resp: 68597

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.2 2.0 6.0



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

6.22

30000

25000

20000

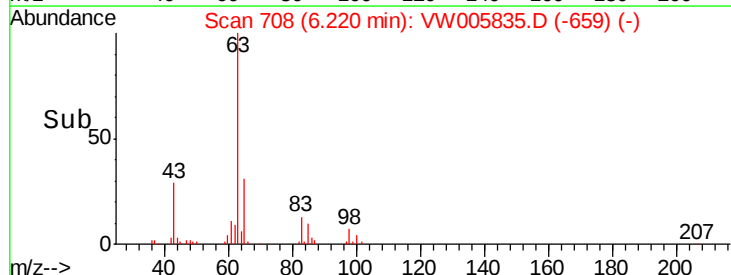
15000

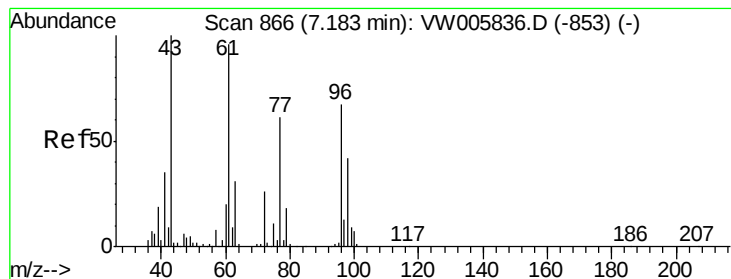
10000

5000

0

Time--> 6.10 6.20 6.30





#25

2-Butanone

Concen: 105.146 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

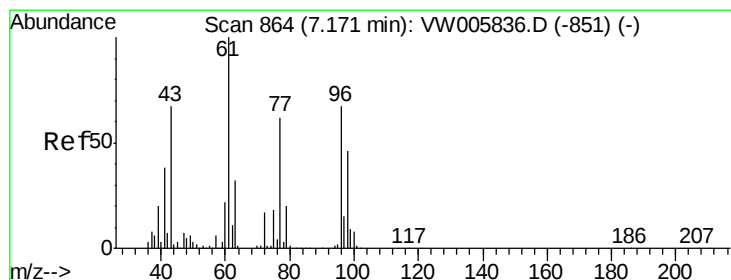
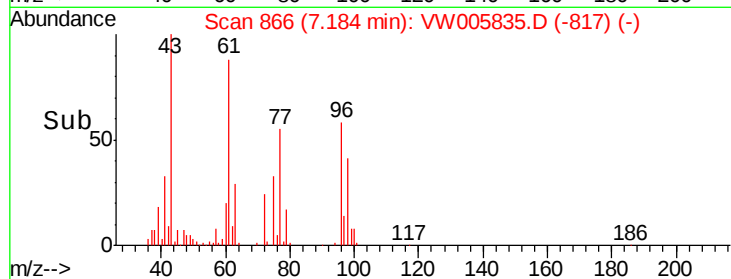
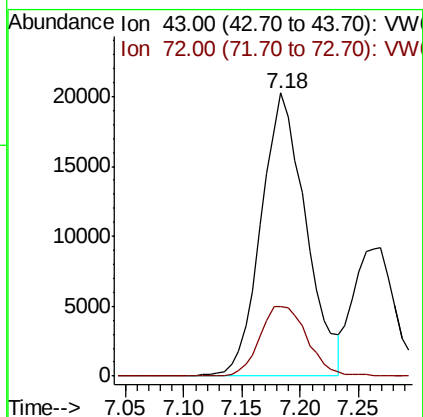
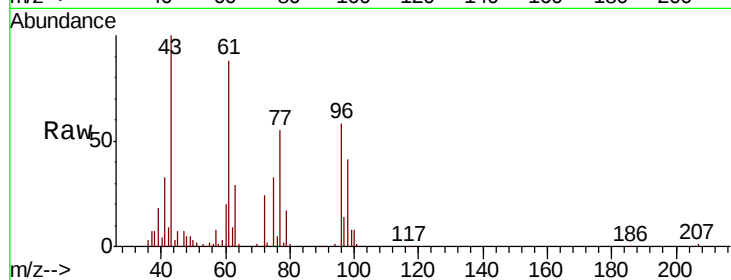
VSTDIC020

Tgt Ion: 43 Resp: 54300

Ion Ratio Lower Upper

43 100

72 24.4 20.9 31.3



#26

2,2-Dichloropropane

Concen: 18.139 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW005835.D

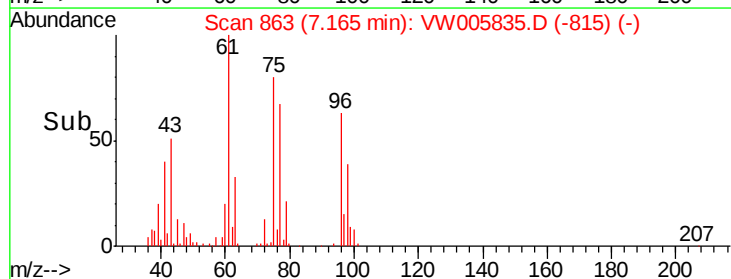
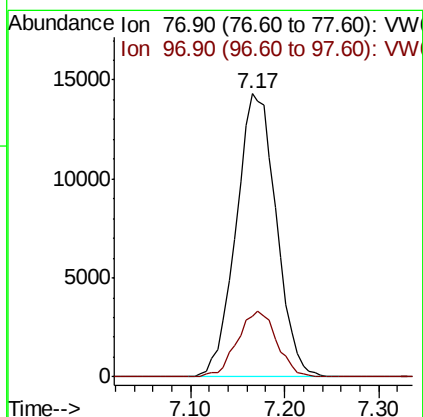
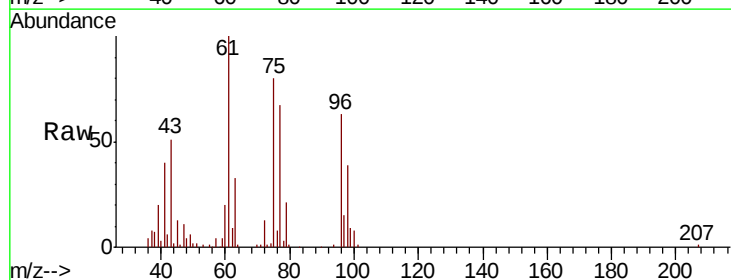
Acq: 04 Oct 2018 04:03

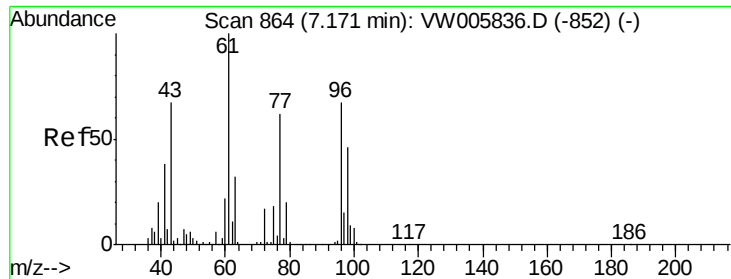
Tgt Ion: 77 Resp: 42379

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 20.077 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

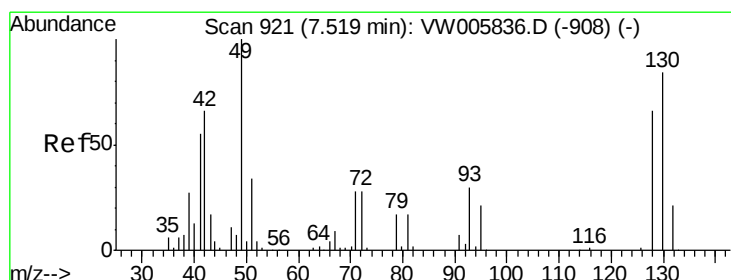
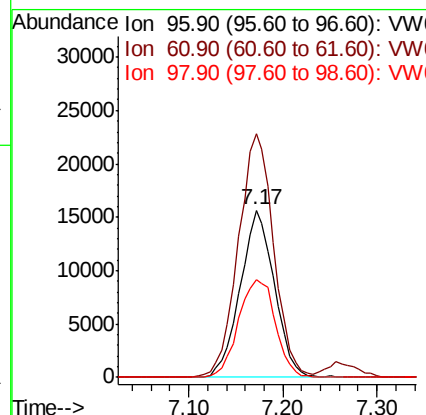
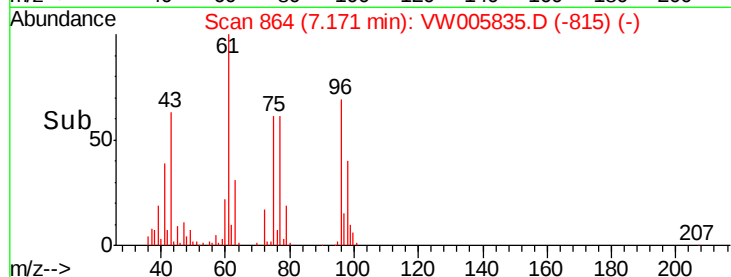
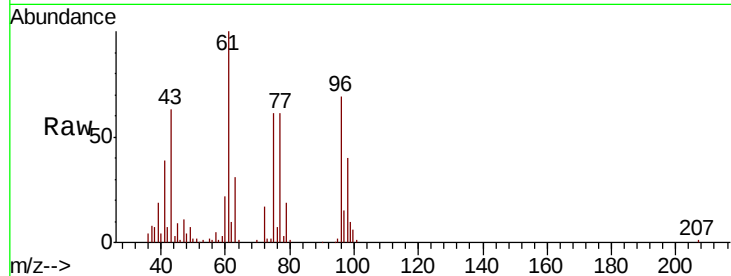
Tgt Ion: 96 Resp: 39641

Ion Ratio Lower Upper

96 100

61 150.3 0.0 296.4

98 63.1 0.0 131.4



#28

Bromochloromethane

Concen: 19.630 ug/l

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

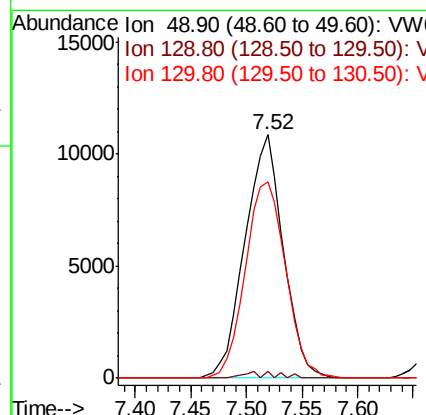
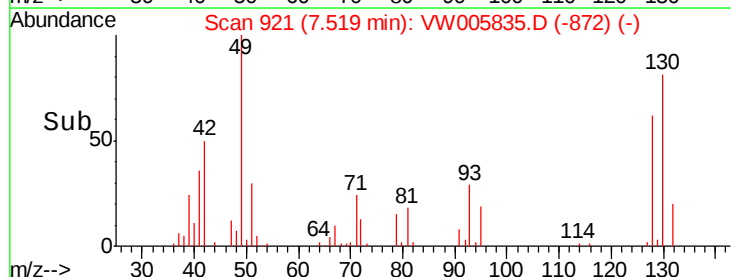
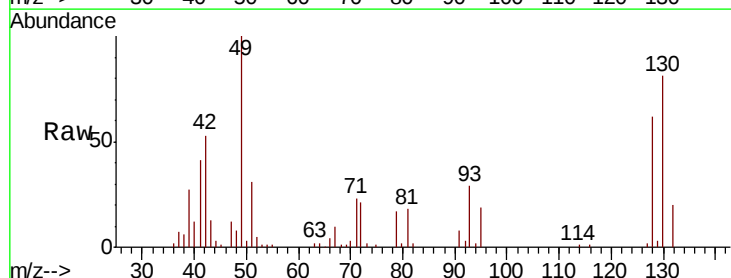
Tgt Ion: 49 Resp: 26048

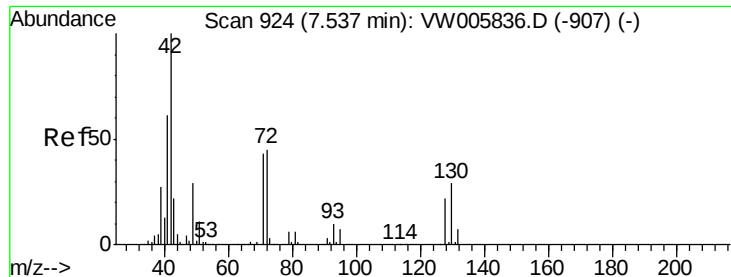
Ion Ratio Lower Upper

49 100

129 1.0 0.0 2.2

130 84.8 66.4 99.6

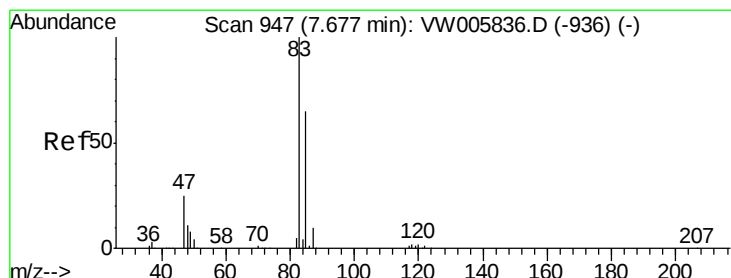
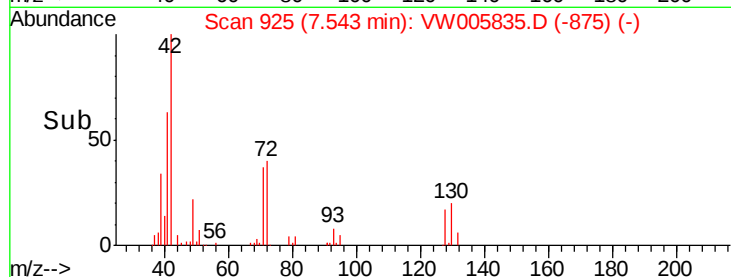
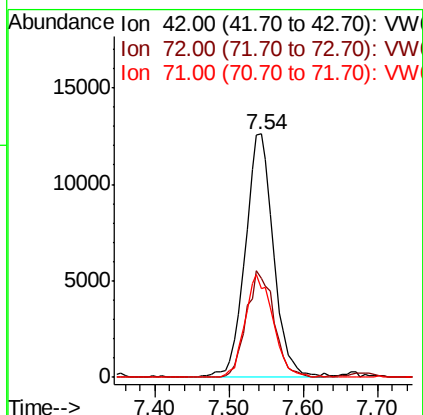
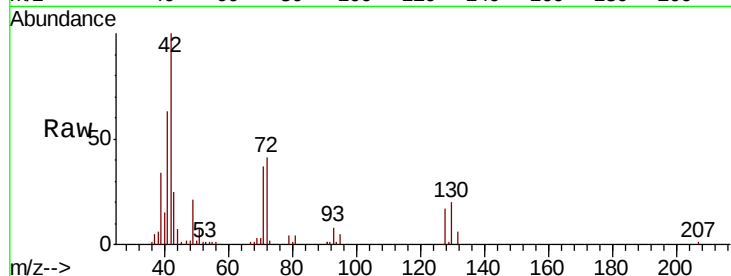




#29
Tetrahydrofuran
Concen: 104.487 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

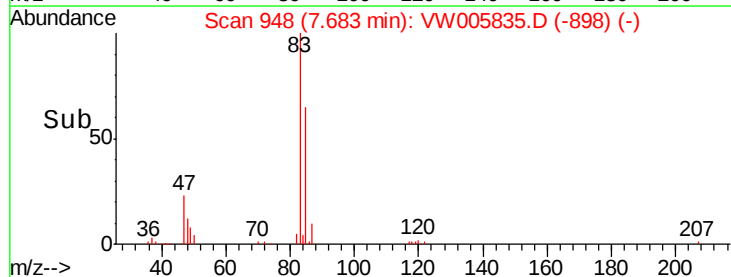
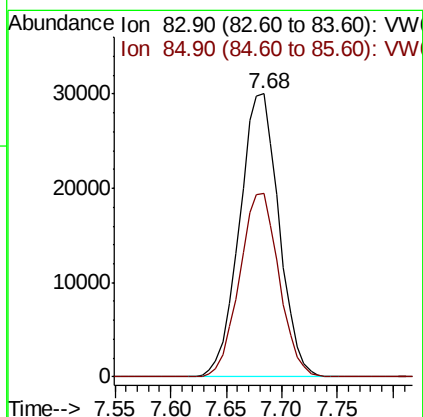
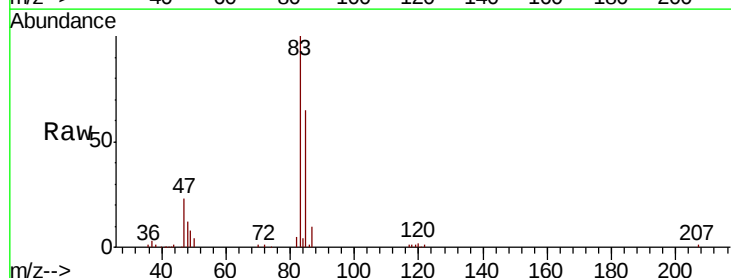
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

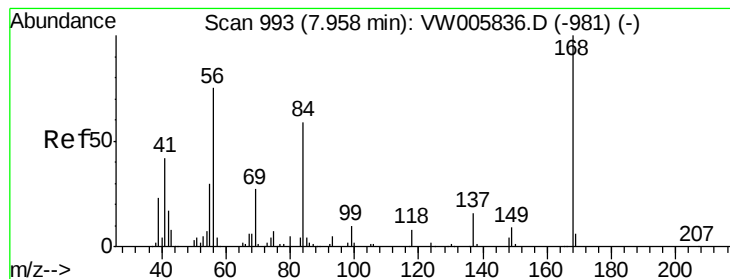
Tgt Ion: 42 Resp: 33781
Ion Ratio Lower Upper
42 100
72 42.8 34.6 51.8
71 41.5 33.6 50.4



#30
Chloroform
Concen: 20.899 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion: 83 Resp: 73967
Ion Ratio Lower Upper
83 100
85 64.8 51.6 77.4





#31

Cyclohexane

Concen: 16.817 ug/l

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

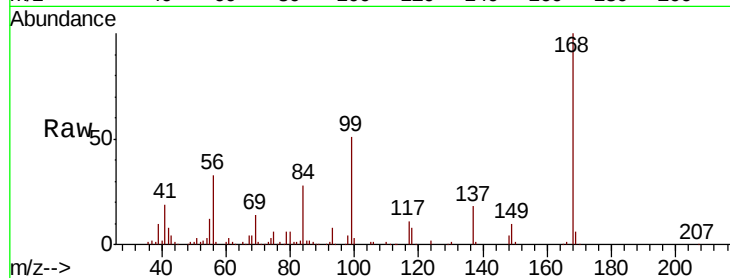
Tgt Ion: 56 Resp: 54448

Ion Ratio Lower Upper

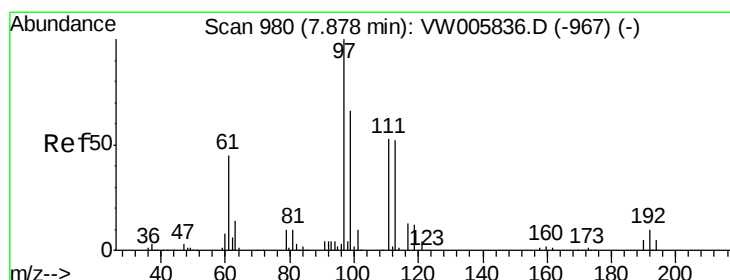
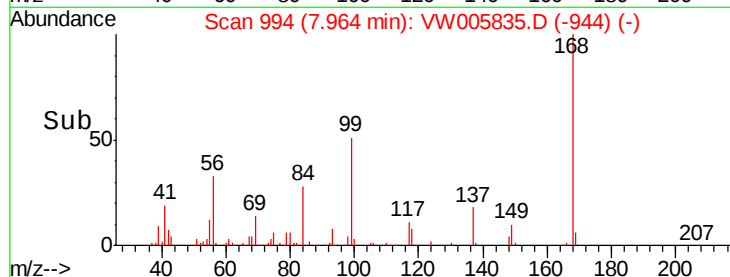
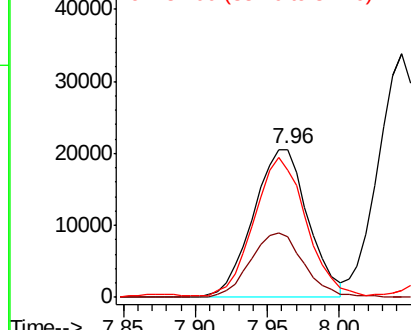
56 100

69 41.3 29.0 43.4

84 84.7 63.5 95.3



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: 20.099 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

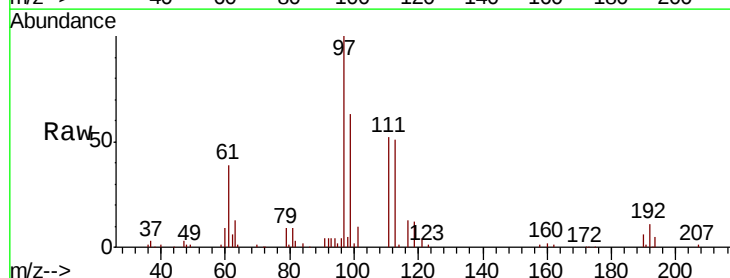
Tgt Ion: 97 Resp: 62506

Ion Ratio Lower Upper

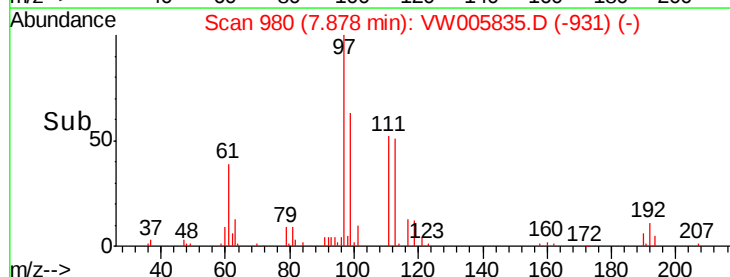
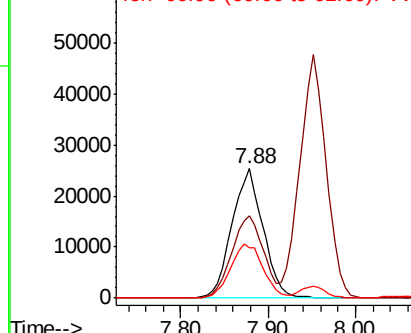
97 100

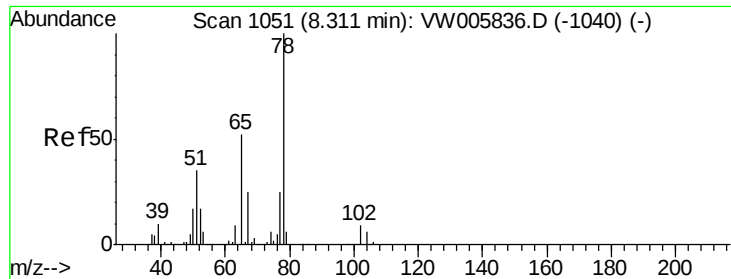
99 64.5 51.2 76.8

61 43.8 35.5 53.3



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

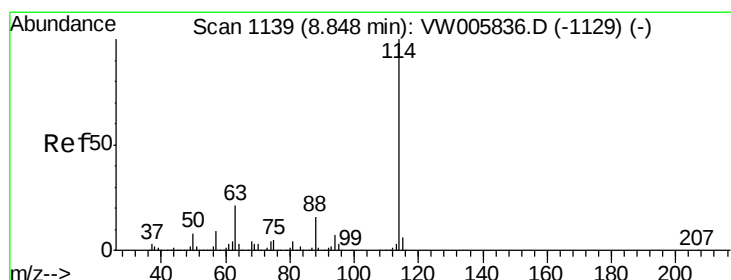
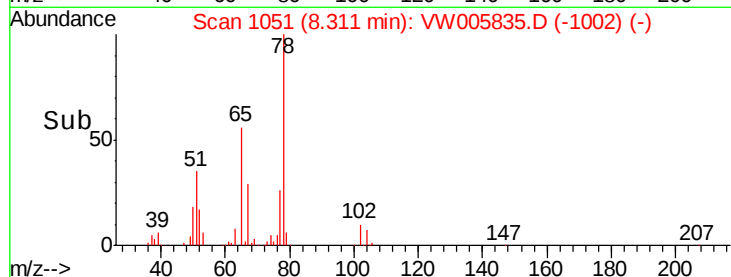
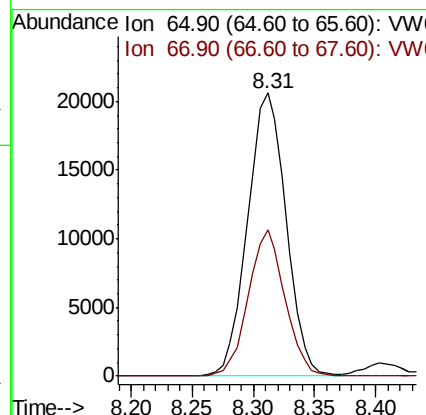
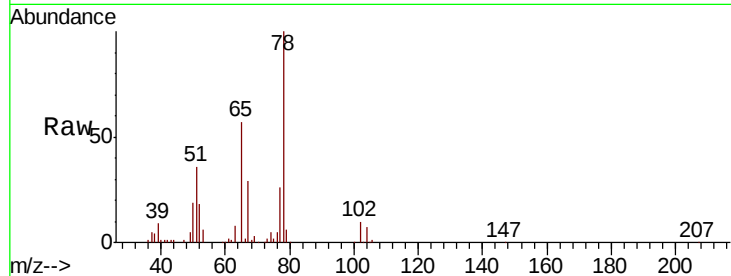




#33
 1,2-Dichloroethane-d4
 Concen: 21.478 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

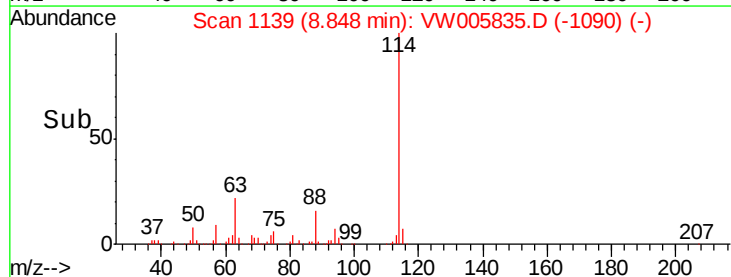
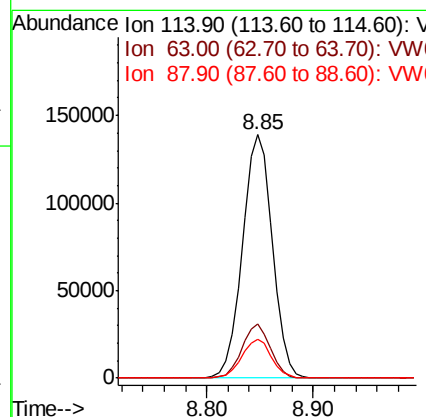
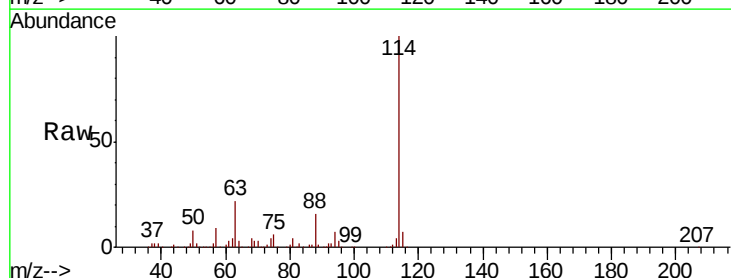
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

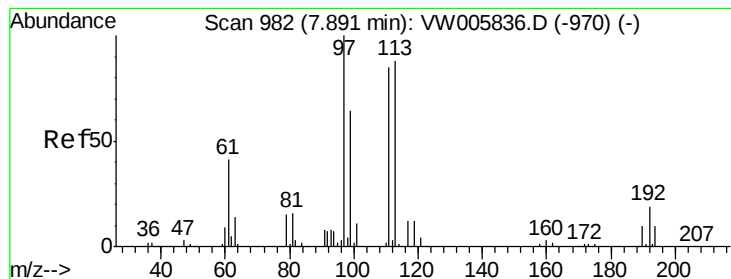
Tgt Ion: 65 Resp: 45215
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion: 114 Resp: 273718
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 42.0
 88 16.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 21.349 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

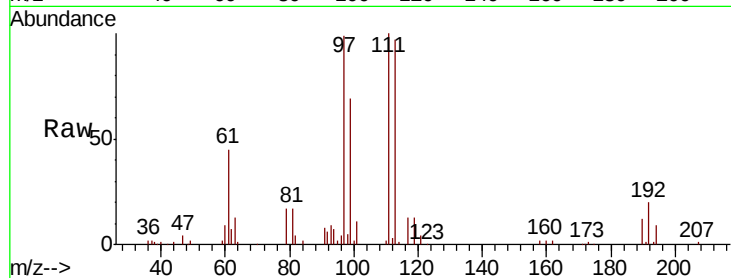
Tgt Ion:113 Resp: 37012

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.2

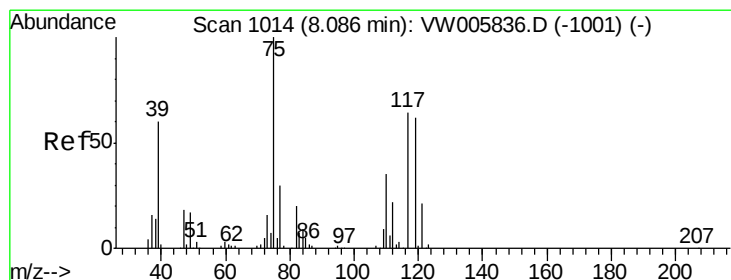
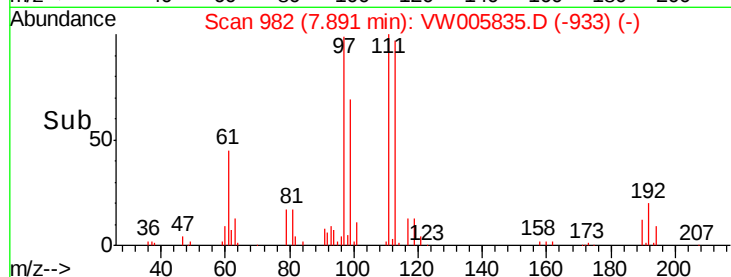
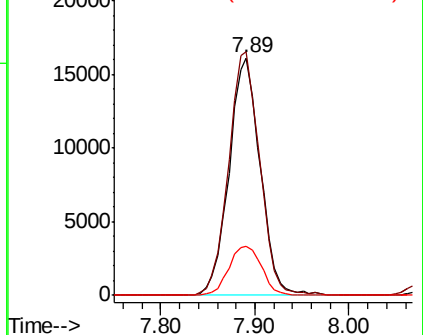
192 21.5 17.3 25.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.769 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

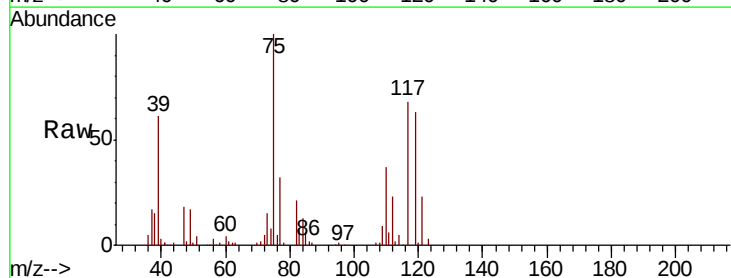
Tgt Ion: 75 Resp: 52077

Ion Ratio Lower Upper

75 100

110 35.0 17.5 52.6

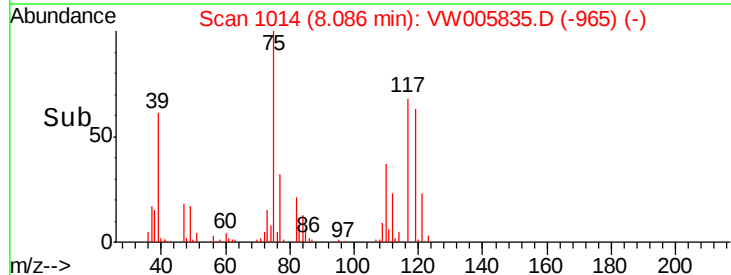
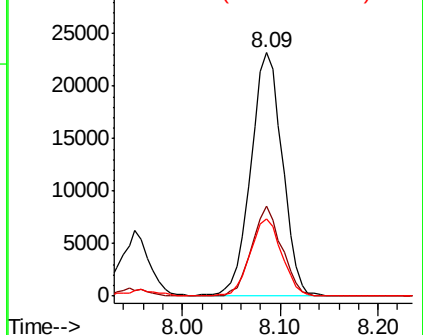
77 31.8 24.8 37.2

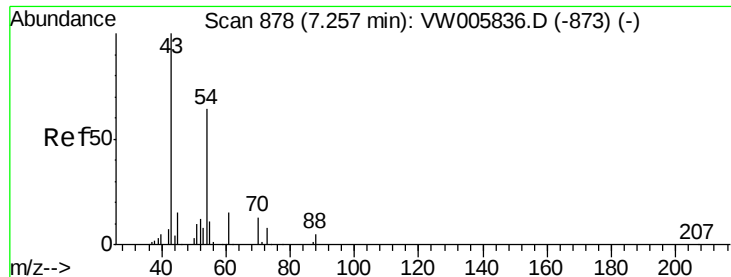


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

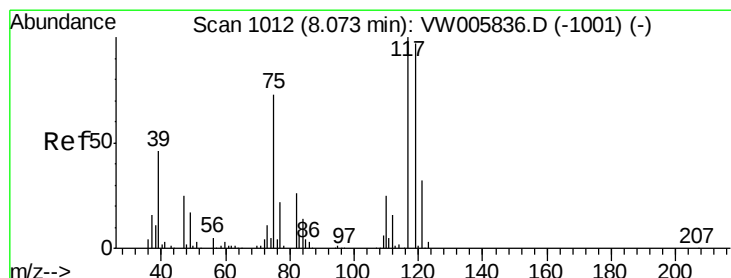
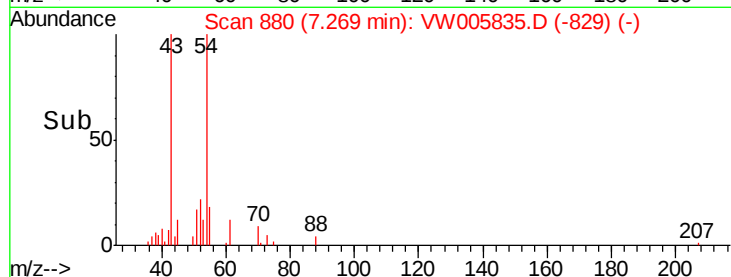
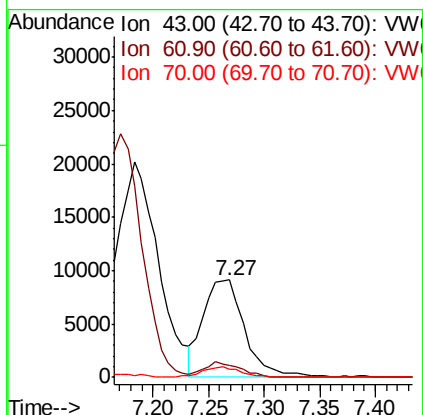
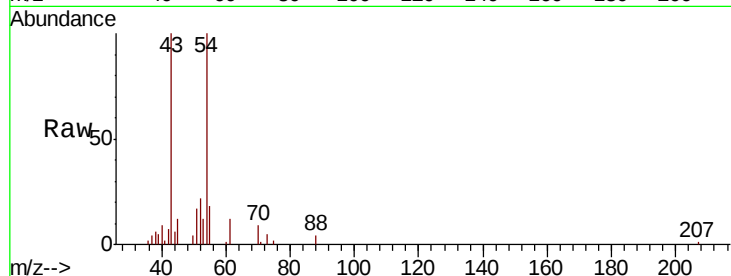




#37
Ethyl Acetate
Concen: 19.861 ug/l
RT: 7.27 min Scan# 880
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

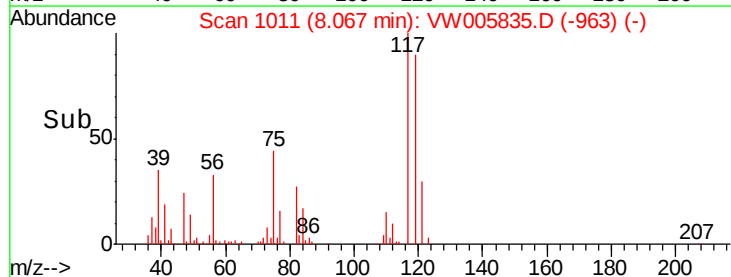
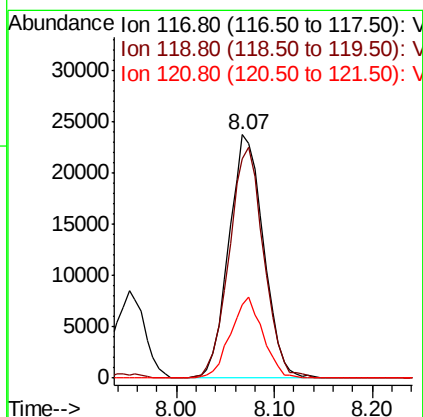
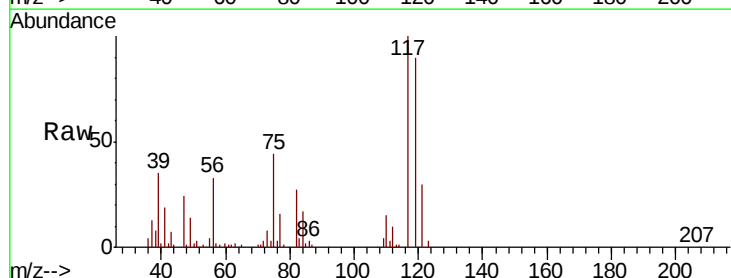
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

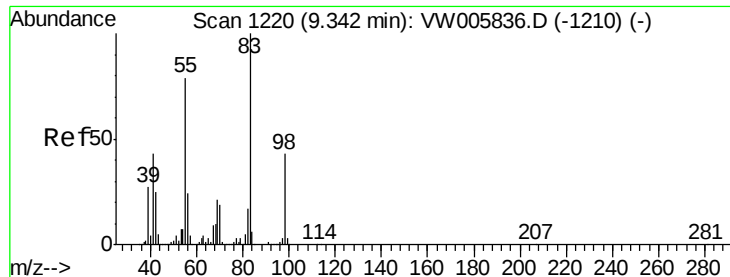
Tgt Ion: 43 Resp: 23355
Ion Ratio Lower Upper
43 100
61 13.8 11.2 16.8
70 10.5 8.6 13.0



#38
Carbon Tetrachloride
Concen: 19.659 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion: 117 Resp: 58516
Ion Ratio Lower Upper
117 100
119 90.2 77.9 116.9
121 30.0 25.2 37.8

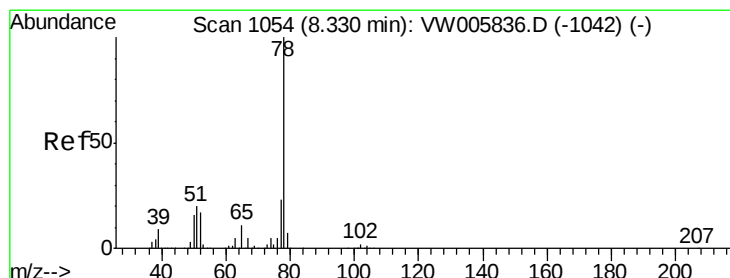
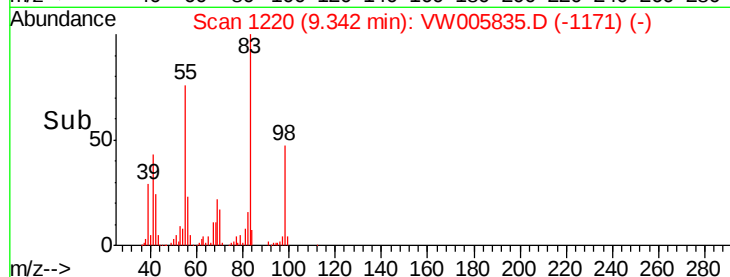
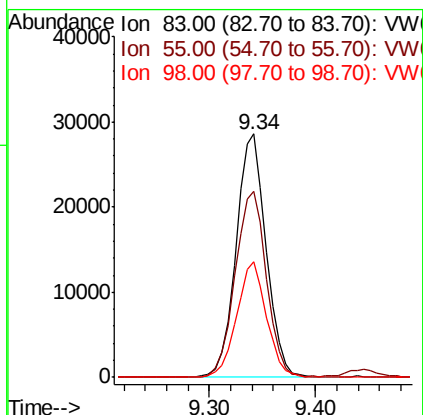
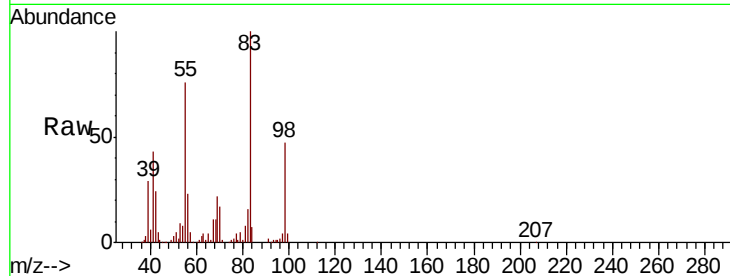




#39
Methylcyclohexane
Concen: 17.295 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

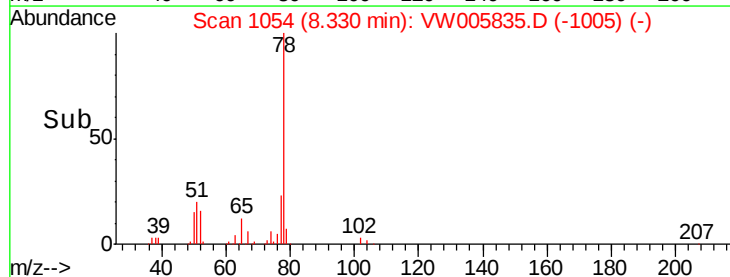
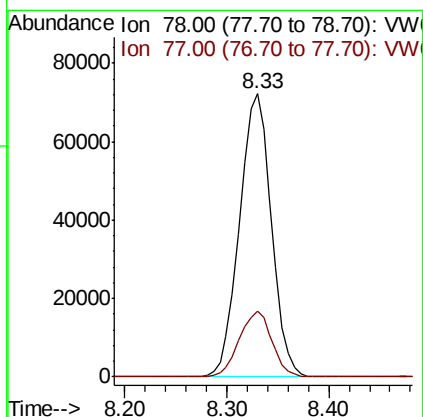
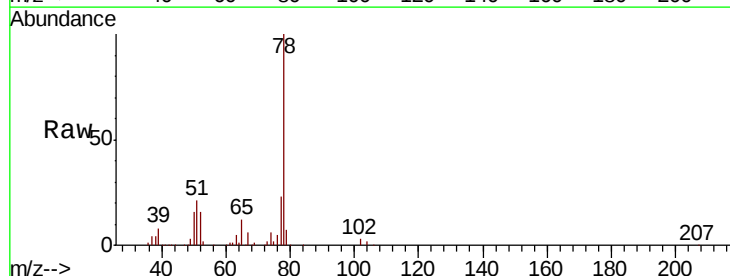
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

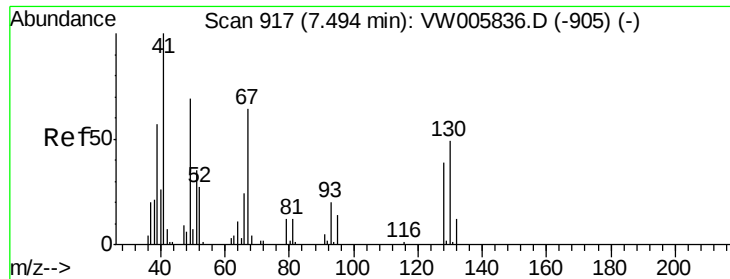
Tgt Ion: 83 Resp: 56419
Ion Ratio Lower Upper
83 100
55 76.2 63.0 94.4
98 47.2 34.5 51.7



#40
Benzene
Concen: 19.871 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion: 78 Resp: 156751
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0

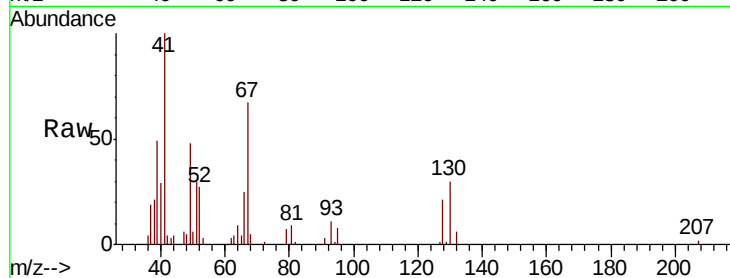




#41
Methacrylonitrile
Concen: 21.548 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	14656
Ion	Ratio	Lower	Upper
41	100		
39	54.1	45.6	68.4
67	69.7	53.6	80.4
52	30.9	23.9	35.9



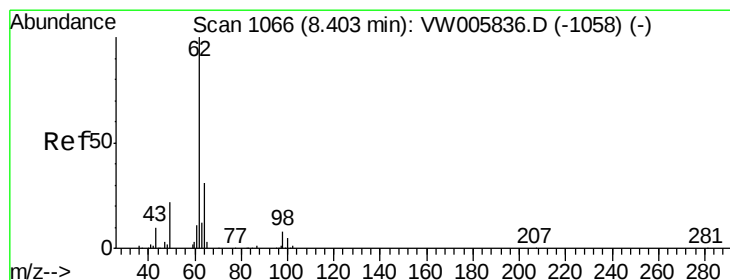
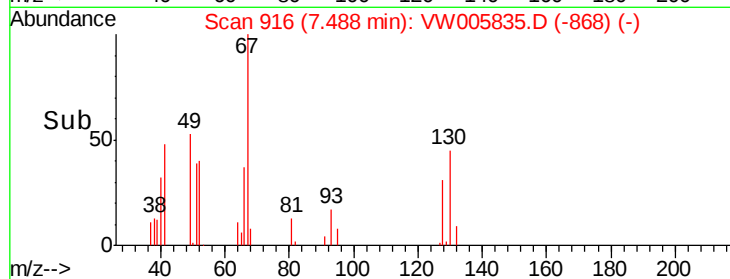
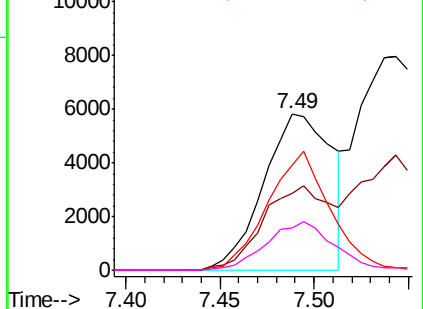
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

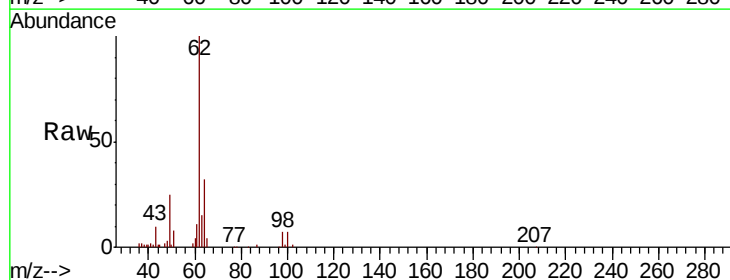
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 21.218 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

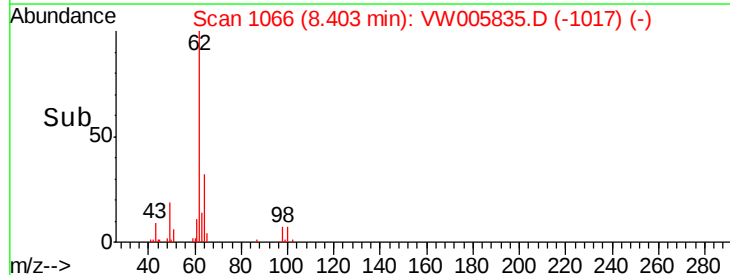
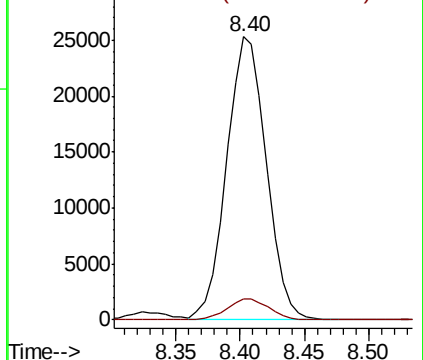
Tgt Ion:	62	Resp:	54228
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2

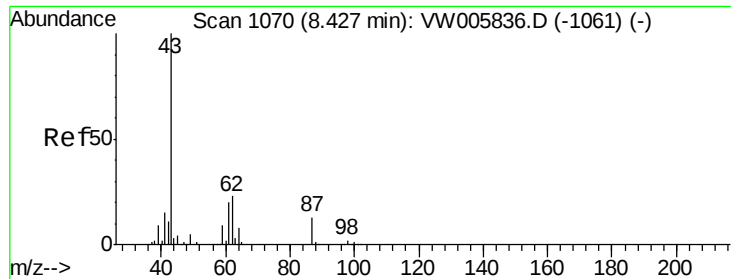


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.993 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

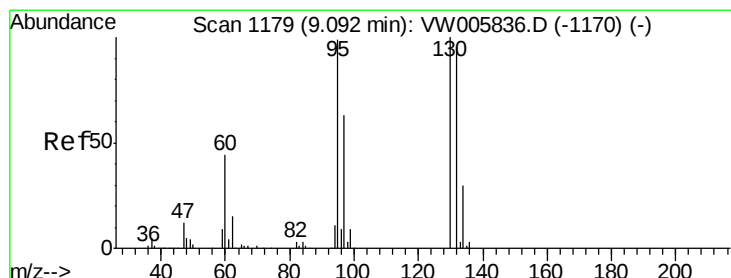
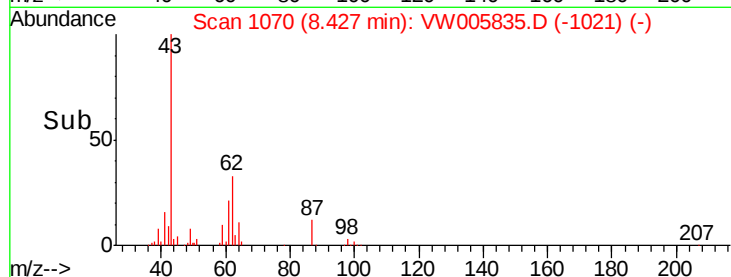
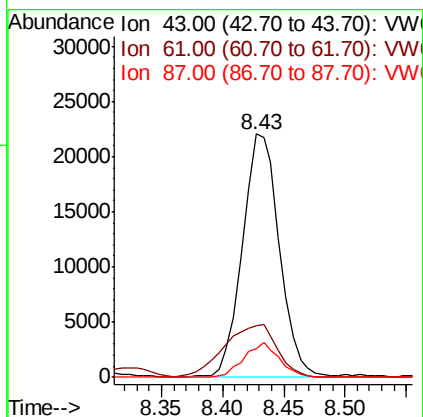
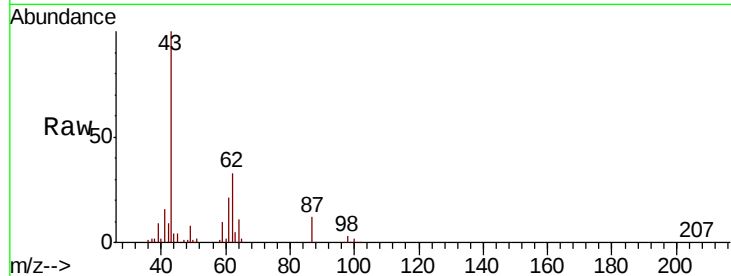
Tgt Ion: 43 Resp: 46474

Ion Ratio Lower Upper

43 100

61 31.0 24.1 36.1

87 13.5 10.6 16.0



#44

Trichloroethene

Concen: 19.876 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW005835.D

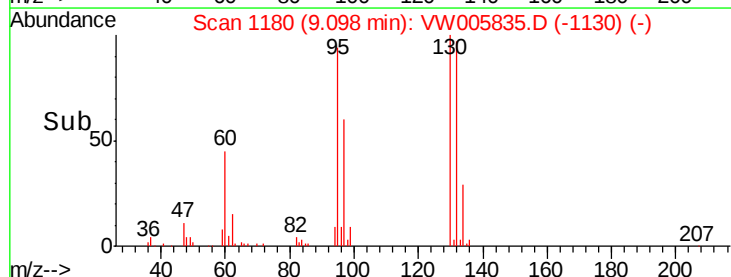
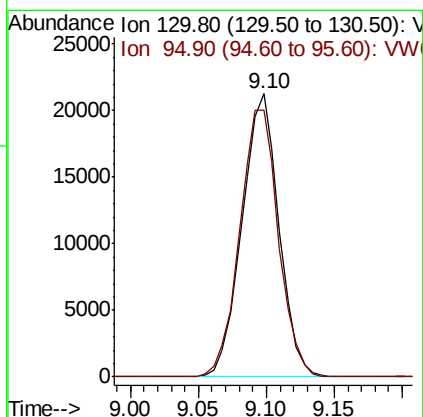
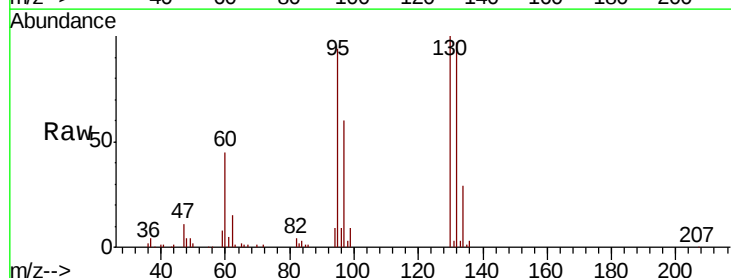
Acq: 04 Oct 2018 04:03

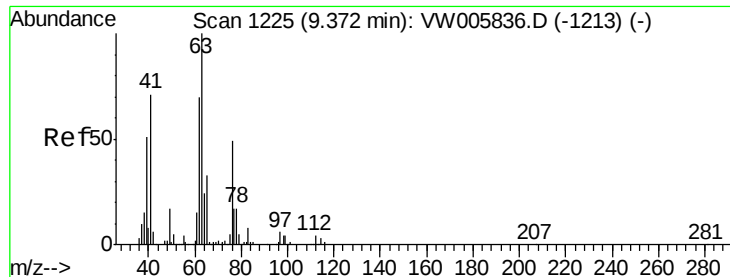
Tgt Ion: 130 Resp: 40269

Ion Ratio Lower Upper

130 100

95 94.2 0.0 197.6





#45

1,2-Dichloropropane

Concen: 19.279 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

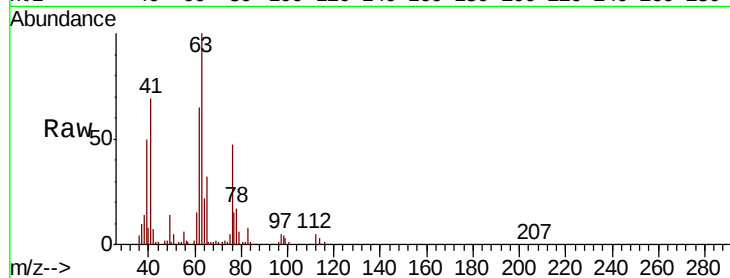
VSTDIC020

Tgt Ion: 63 Resp: 37046

Ion Ratio Lower Upper

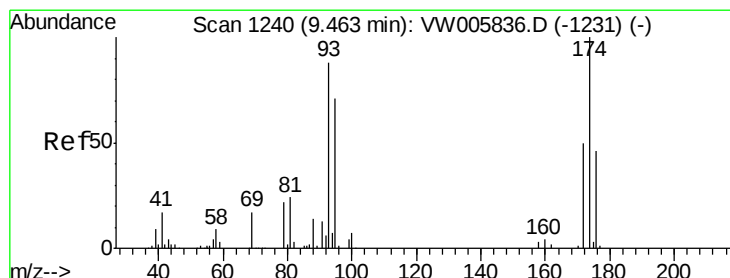
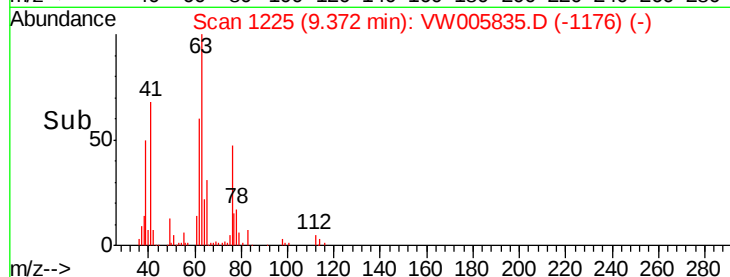
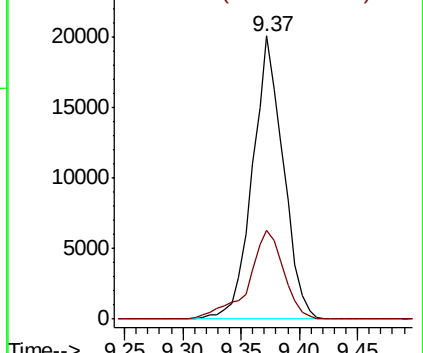
63 100

65 31.5 26.1 39.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.548 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

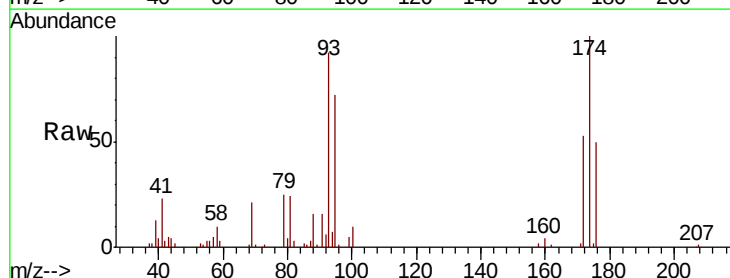
Tgt Ion: 93 Resp: 21117

Ion Ratio Lower Upper

93 100

95 80.8 65.9 98.9

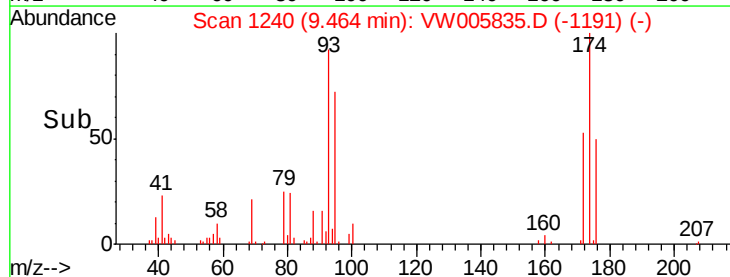
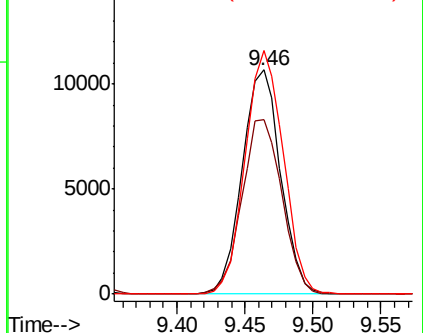
174 108.2 88.4 132.6

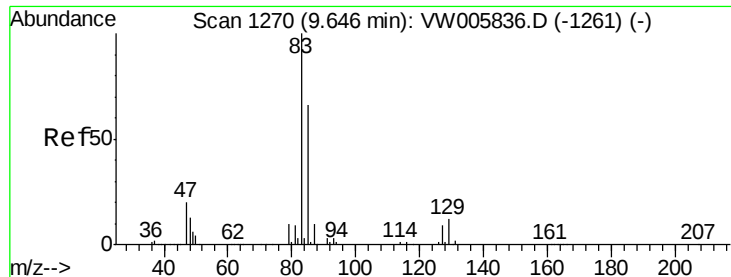


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

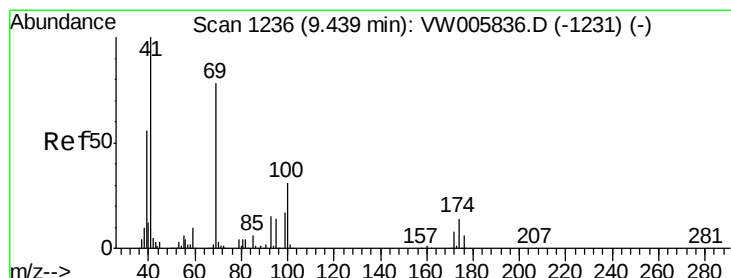
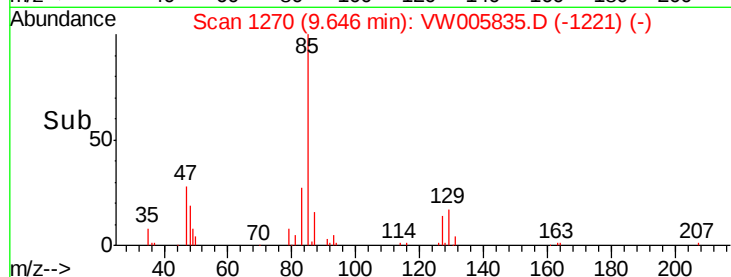
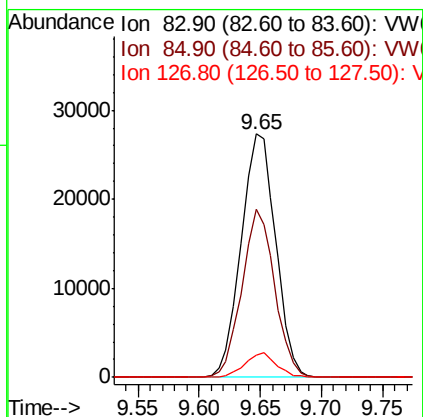
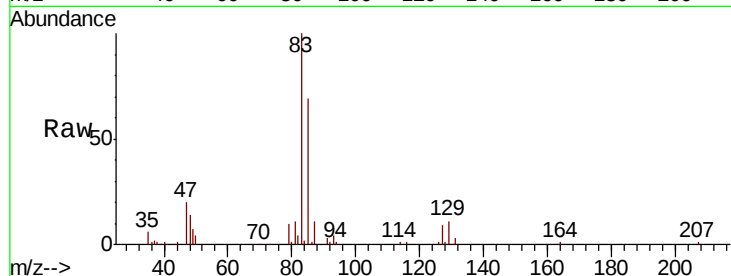




#47
Bromodichloromethane
Concen: 20.543 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

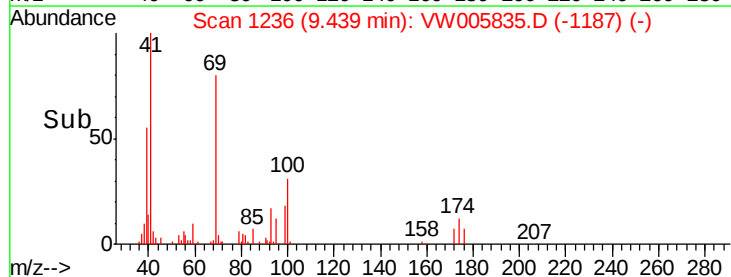
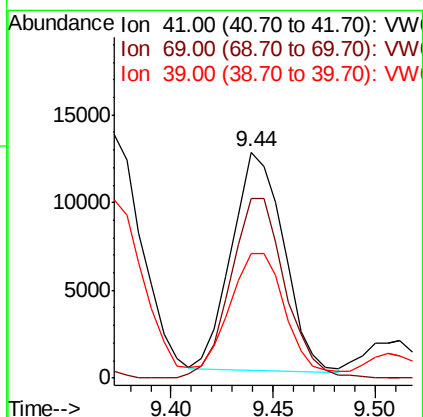
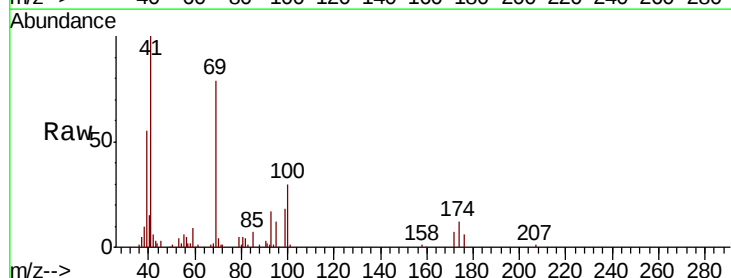
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

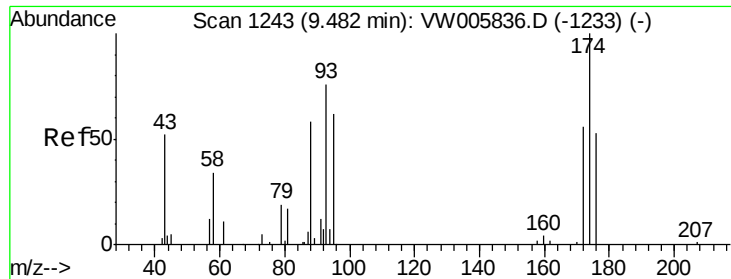
Tgt Ion: 83 Resp: 53651
Ion Ratio Lower Upper
83 100
85 69.0 52.6 78.8
127 9.3 7.4 11.0



#48
Methyl methacrylate
Concen: 20.027 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion: 41 Resp: 22141
Ion Ratio Lower Upper
41 100
69 85.9 66.4 99.6
39 62.7 50.1 75.1





#49

1,4-Dioxane

Concen: 444.508 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

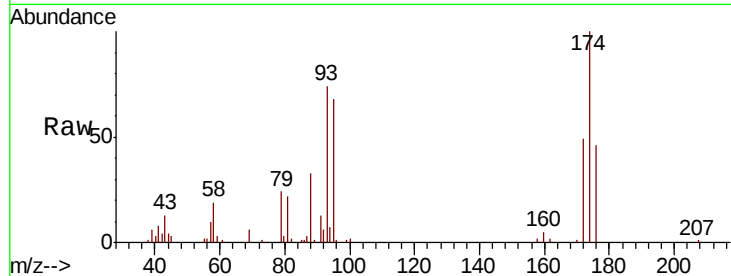
Tgt Ion: 88 Resp: 6953

Ion Ratio Lower Upper

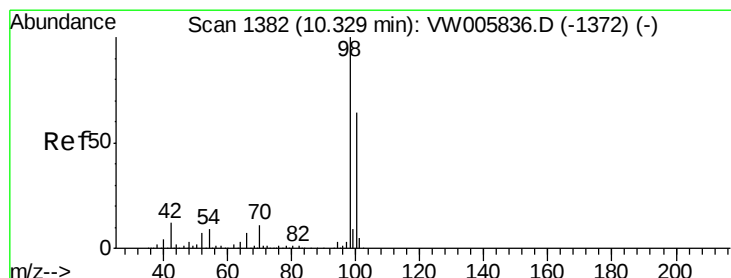
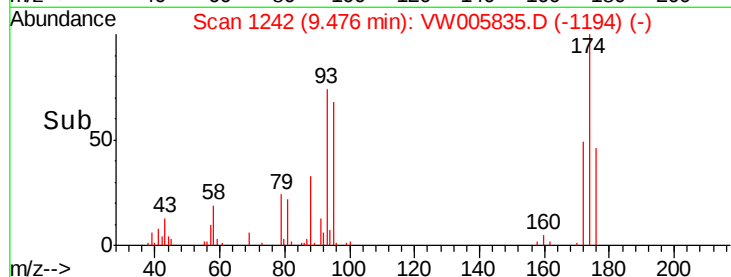
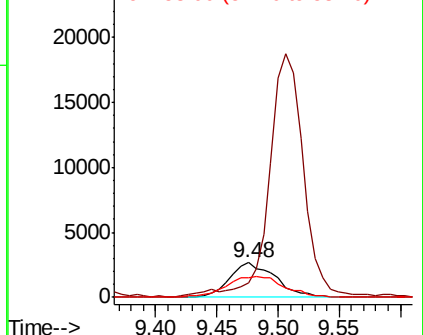
88 100

43 0.0 0.0 0.0

58 76.1 58.1 87.1



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



#50

Toluene-d8

Concen: 20.451 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005835.D

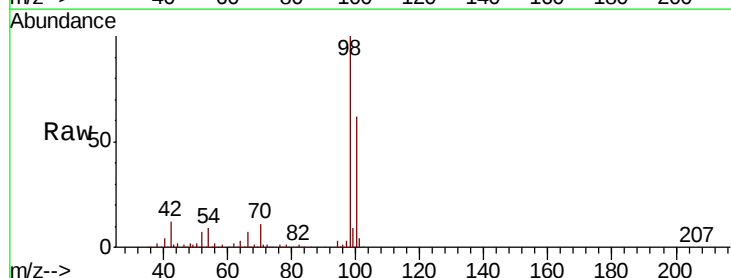
Acq: 04 Oct 2018 04:03

Tgt Ion: 98 Resp: 143551

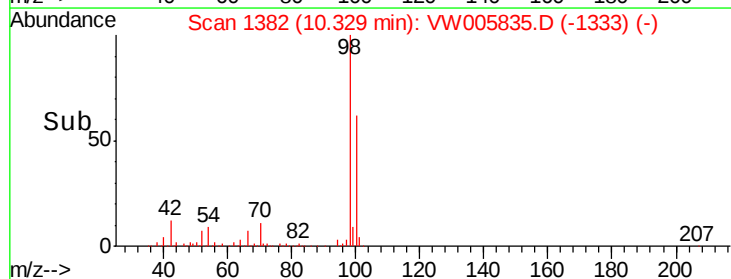
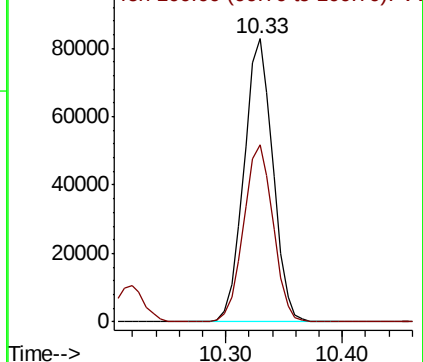
Ion Ratio Lower Upper

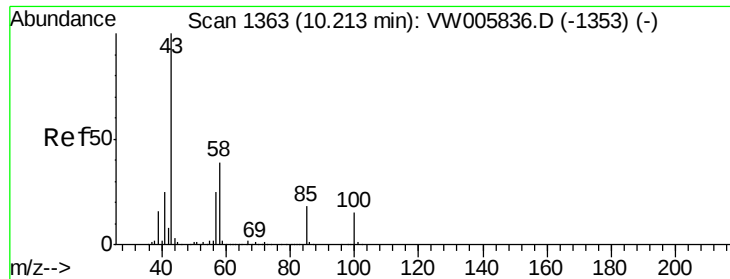
98 100

100 63.7 51.7 77.5



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

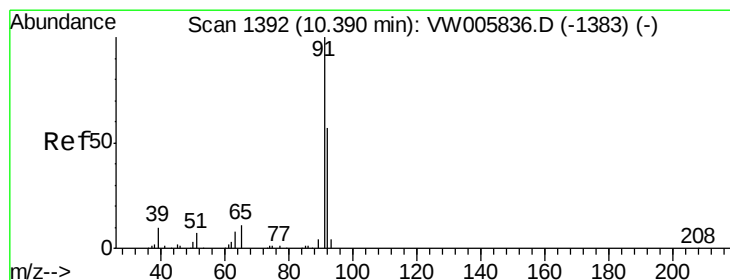
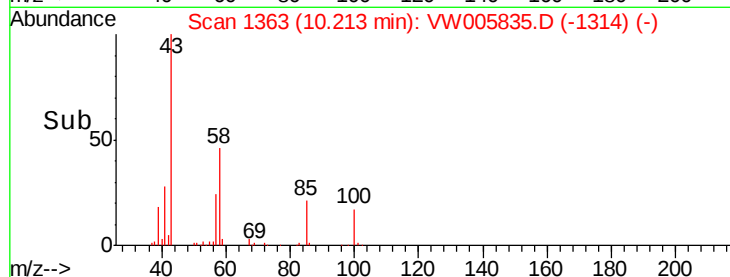
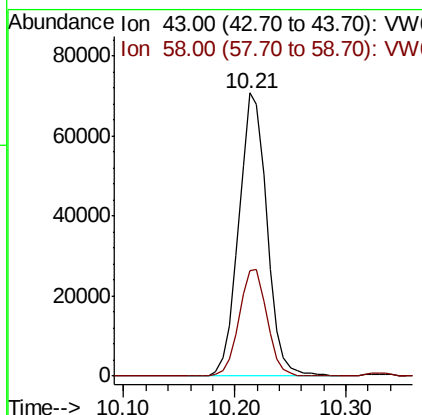
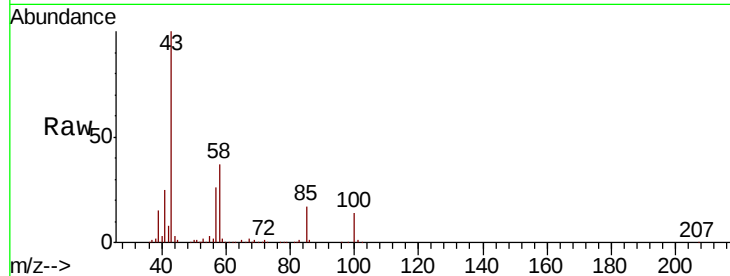




#51
 4-Methyl-2-Pentanone
 Concen: 105.254 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

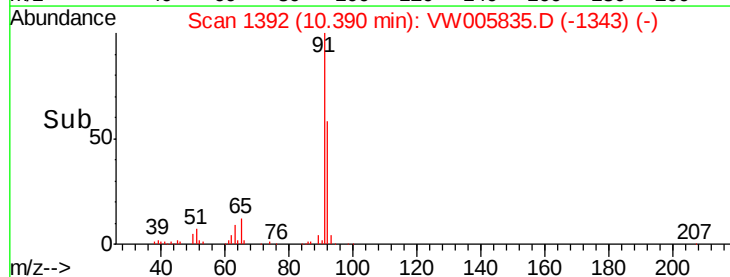
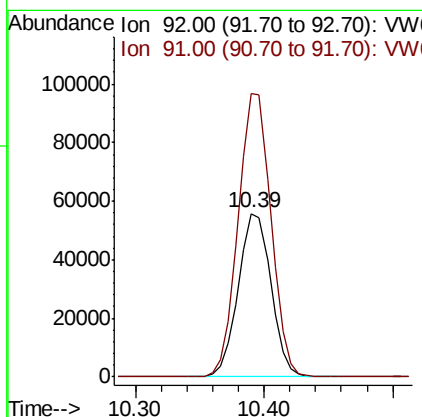
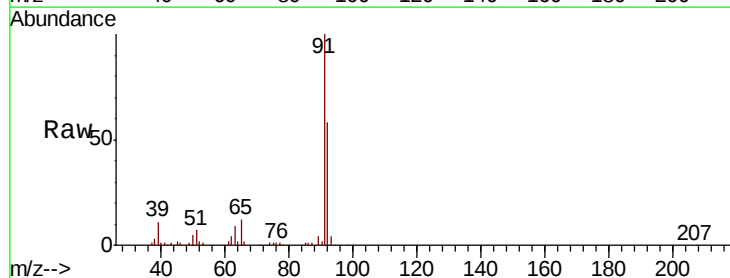
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

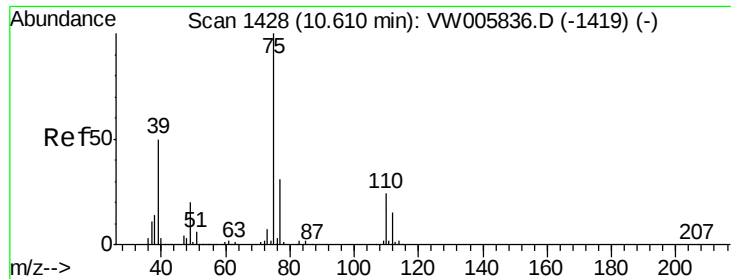
Tgt Ion: 43 Resp: 123645
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.6 45.8



#52
 Toluene
 Concen: 19.853 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion: 92 Resp: 97944
 Ion Ratio Lower Upper
 92 100
 91 174.3 139.0 208.4

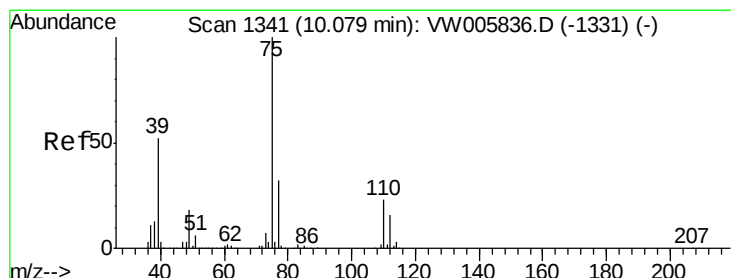
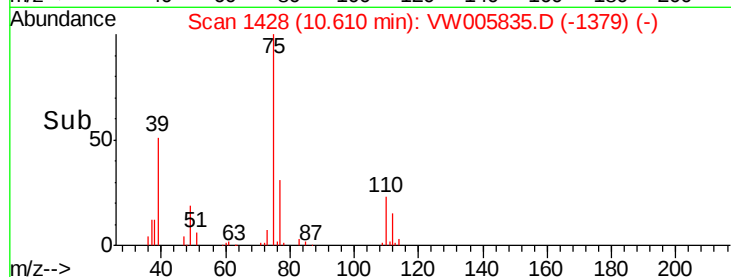
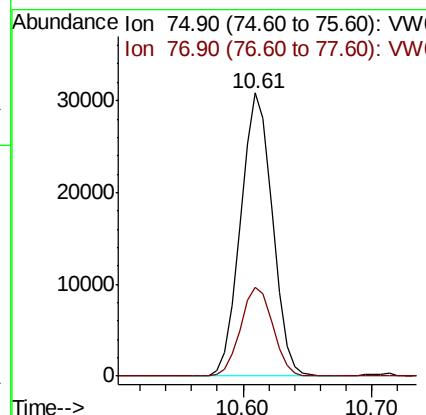
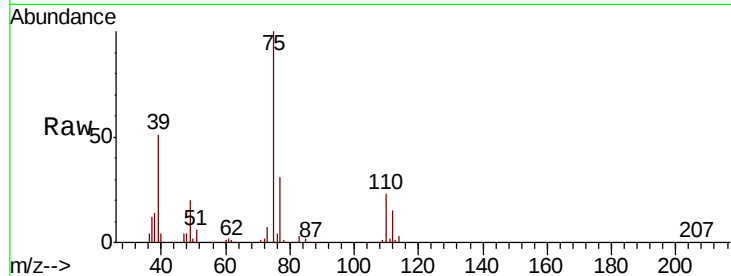




#53
t-1,3-Dichloropropene
Concen: 20.093 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

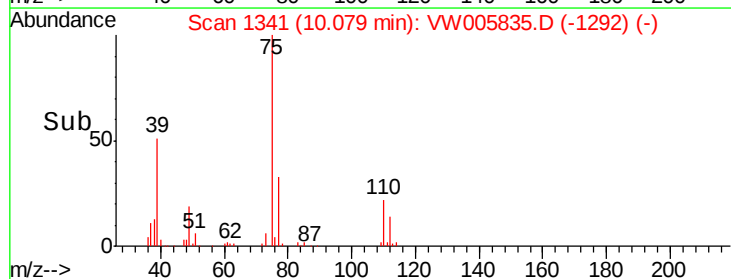
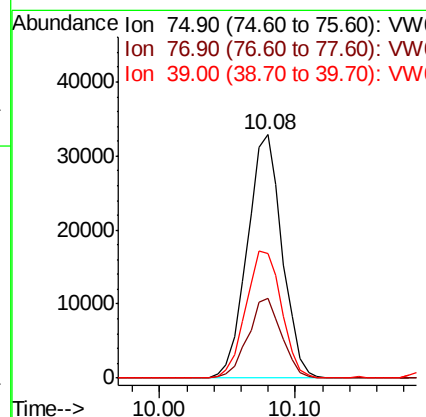
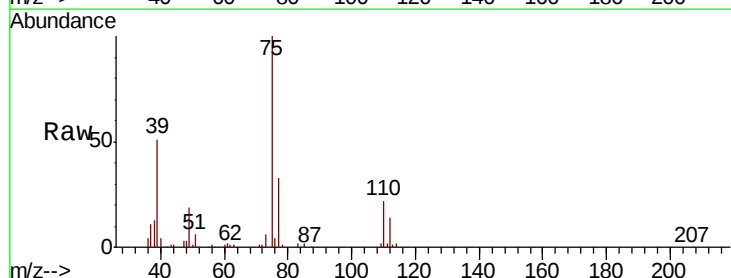
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

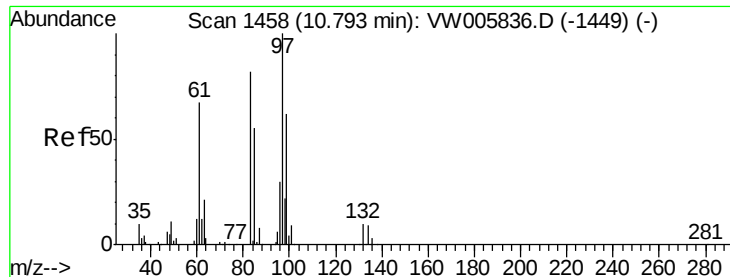
Tgt Ion: 75 Resp: 52560
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 20.099 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion: 75 Resp: 58835
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.2
39 50.9 41.9 62.9

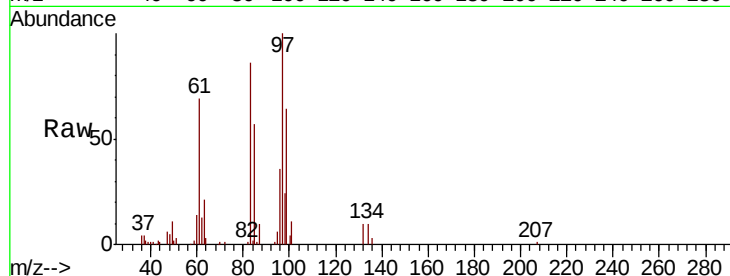




#55
 1,1,2-Trichloroethane
 Concen: 21.617 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	30143
Ion	Ratio	Lower	Upper
97	100		
83	85.8	65.9	98.9
85	56.9	44.2	66.2
99	64.3	49.2	73.8



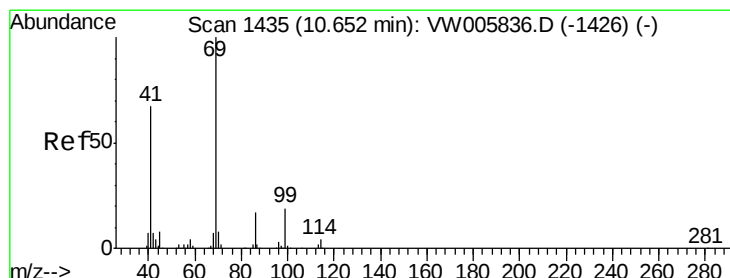
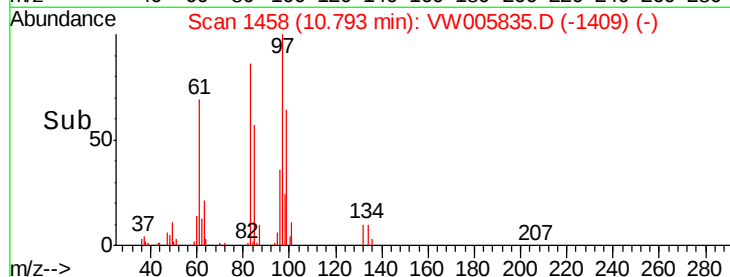
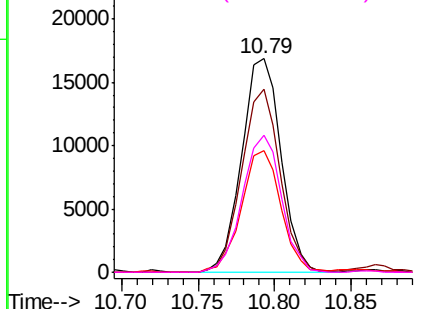
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

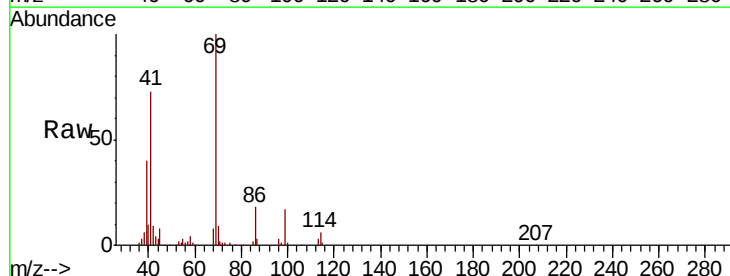
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 20.533 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion:	69	Resp:	35318
Ion	Ratio	Lower	Upper
69	100		
41	67.3	55.8	83.6
39	35.3	29.3	43.9

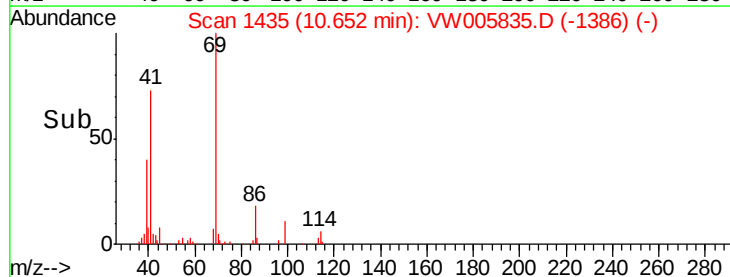
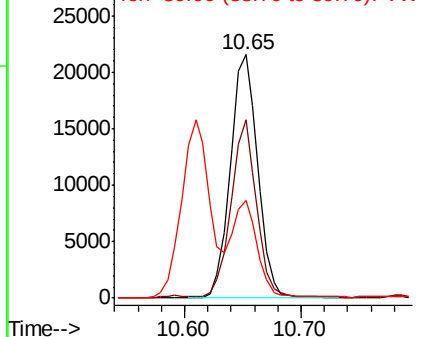


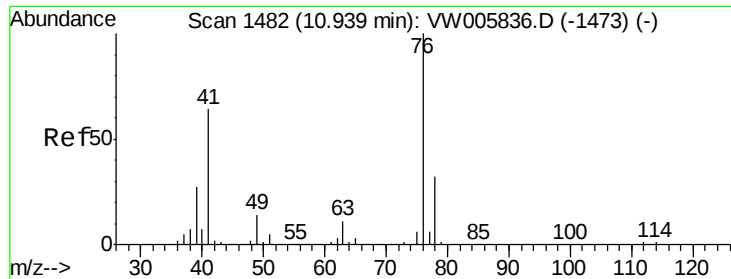
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 20.789 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

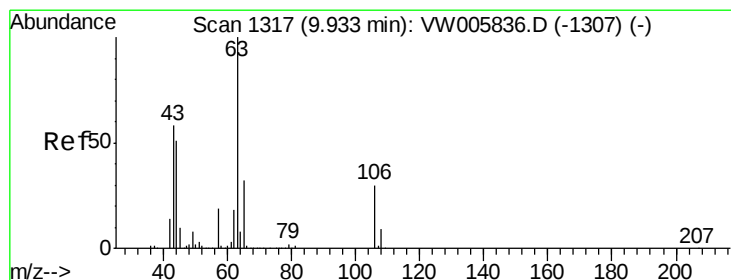
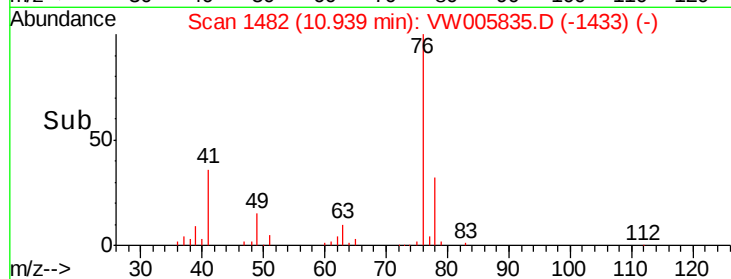
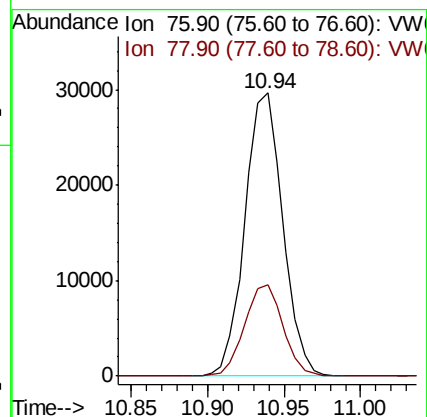
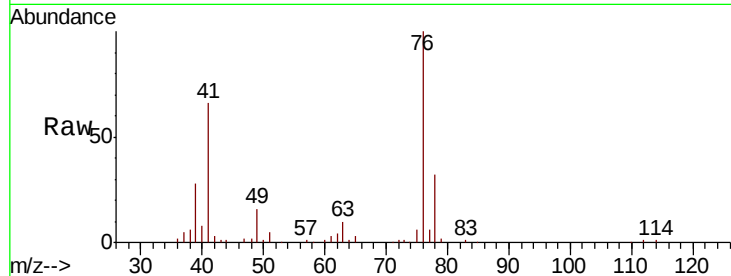
VSTDIC020

Tgt Ion: 76 Resp: 51112

Ion Ratio Lower Upper

76 100

78 32.8 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 102.380 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VW005835.D

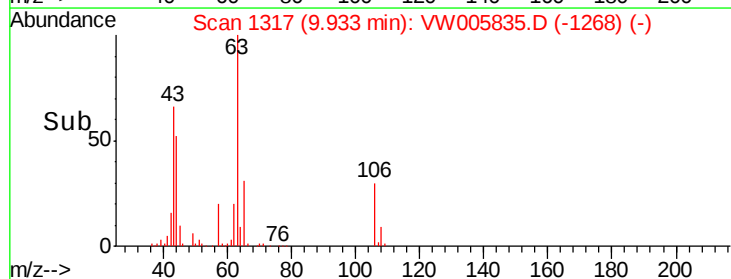
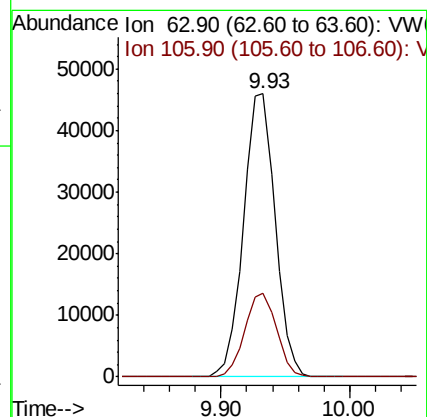
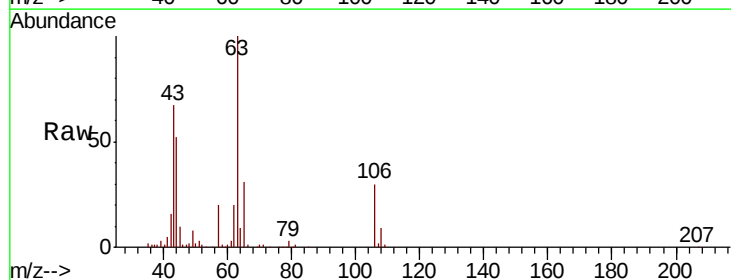
Acq: 04 Oct 2018 04:03

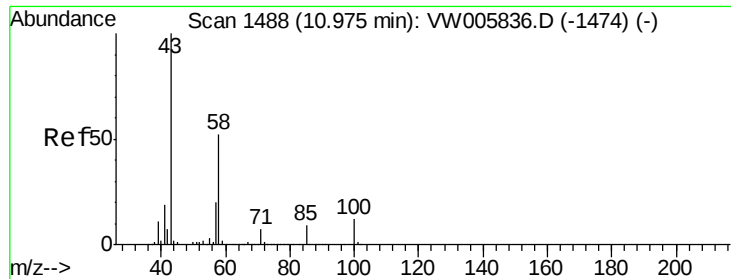
Tgt Ion: 63 Resp: 78258

Ion Ratio Lower Upper

63 100

106 29.6 23.7 35.5

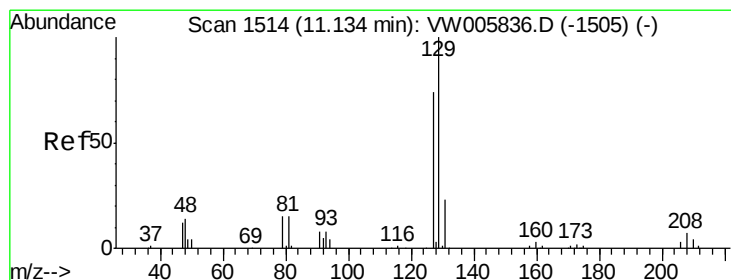
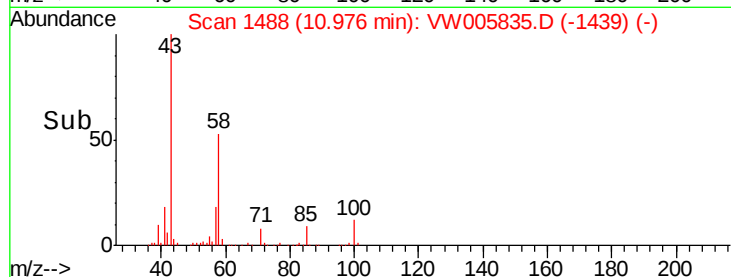
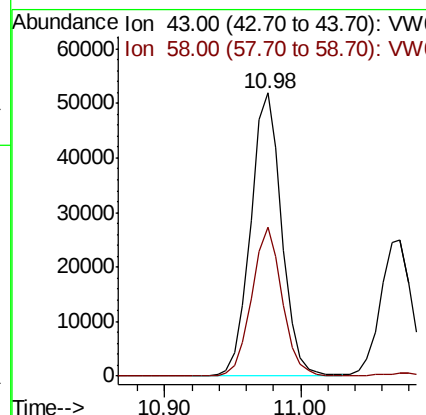
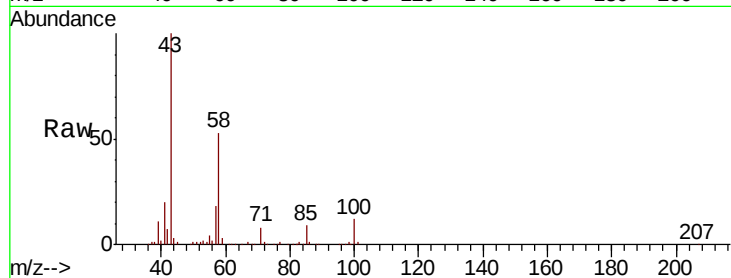




#59
2-Hexanone
Concen: 104.457 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

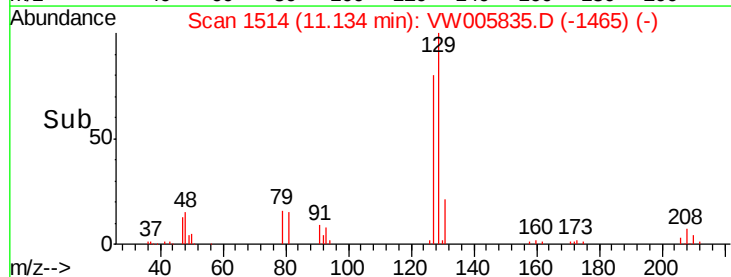
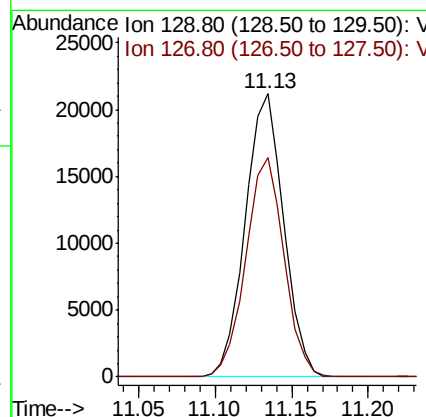
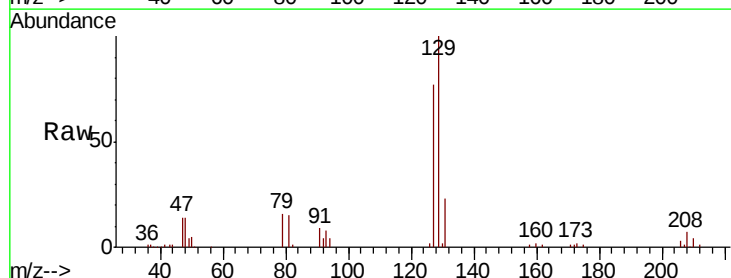
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

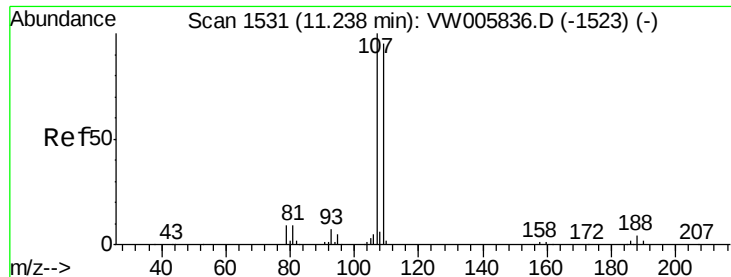
Tgt Ion: 43 Resp: 83163
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.7



#60
Dibromochloromethane
Concen: 21.741 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion: 129 Resp: 36923
Ion Ratio Lower Upper
129 100
127 77.1 37.2 111.6





#61

1,2-Dibromoethane

Concen: 21.510 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

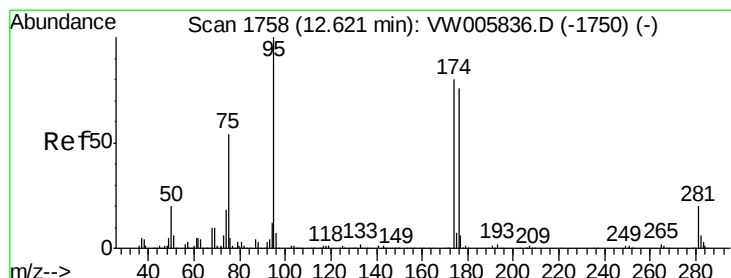
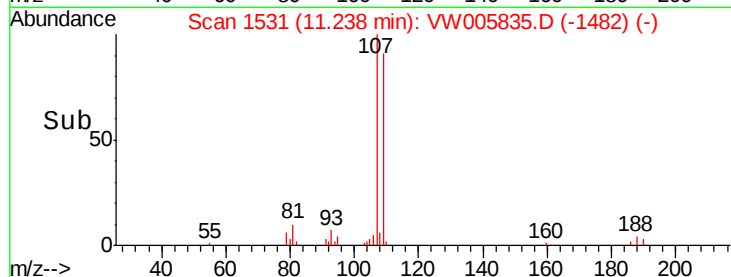
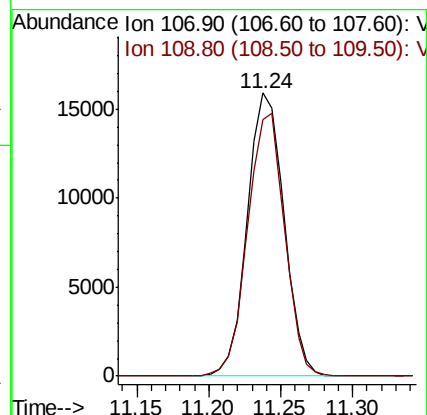
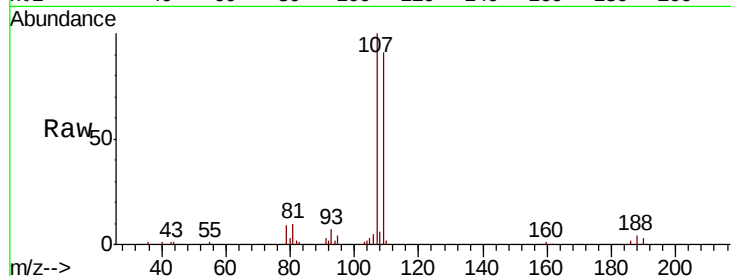
VSTDIC020

Tgt Ion: 107 Resp: 28025

Ion Ratio Lower Upper

107 100

109 93.4 76.6 114.8



#62

4-Bromofluorobenzene

Concen: 20.879 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

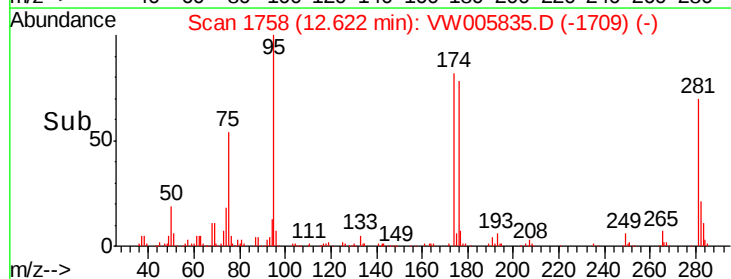
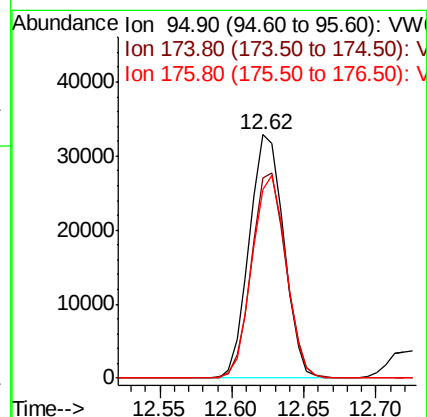
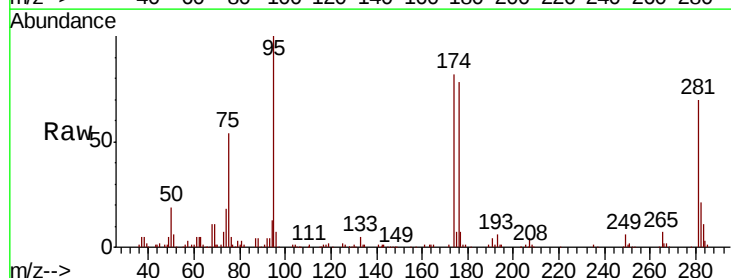
Tgt Ion: 95 Resp: 54368

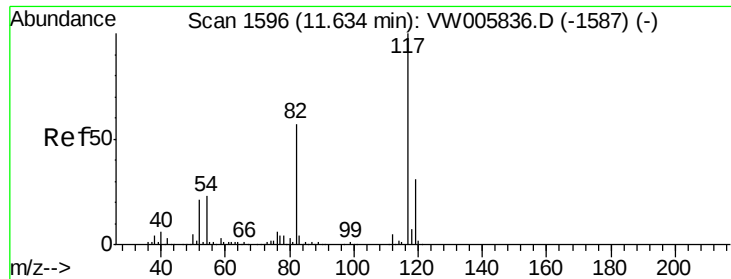
Ion Ratio Lower Upper

95 100

174 83.7 0.0 169.0

176 82.1 0.0 164.2

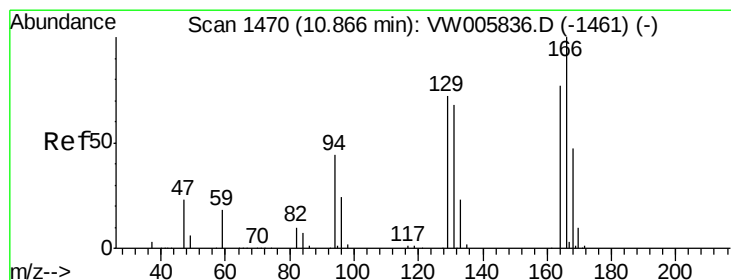
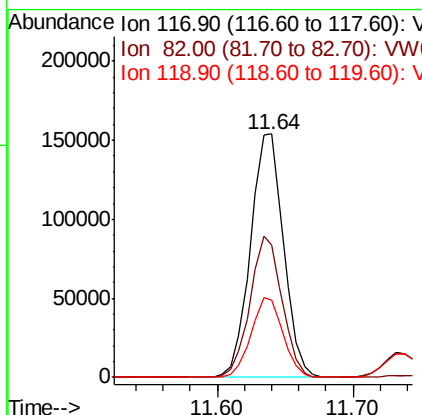
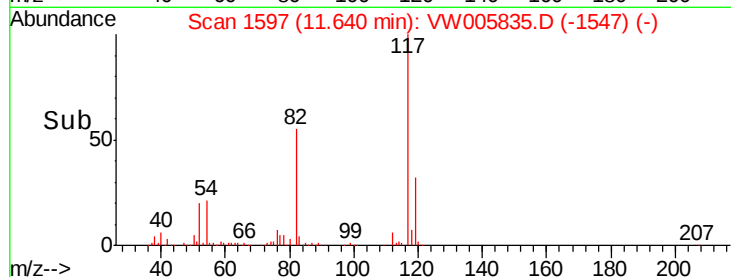
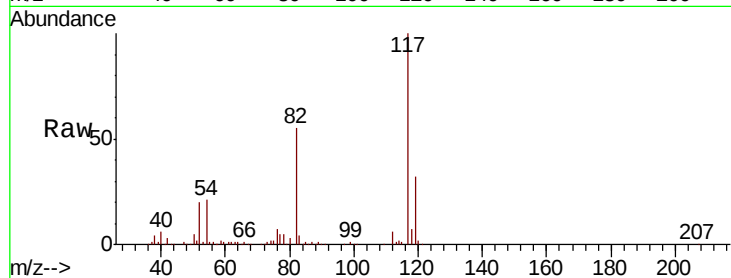




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

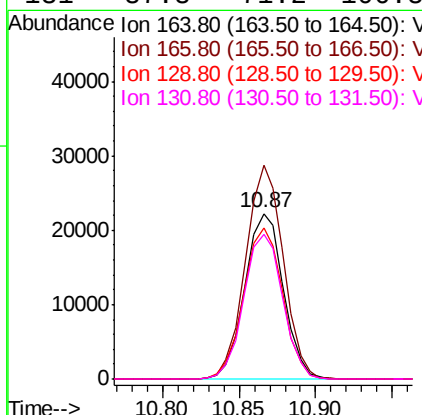
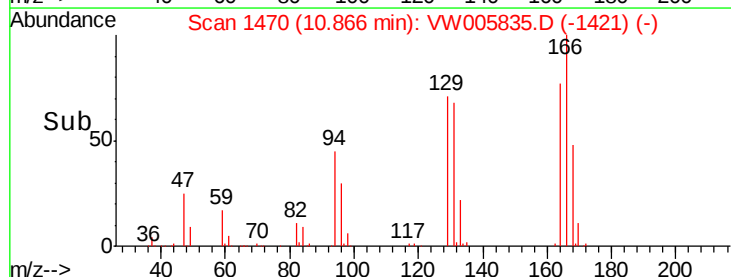
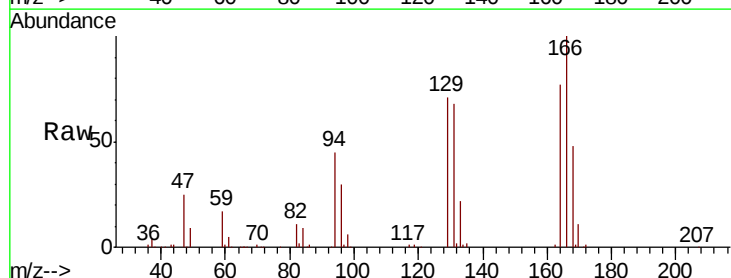
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

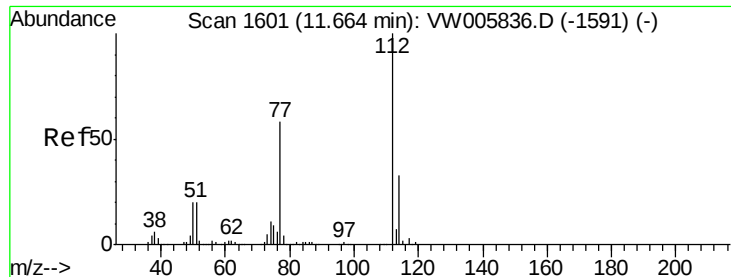
Tgt Ion:117 Resp: 262719
Ion Ratio Lower Upper
117 100
82 54.5 45.6 68.4
119 31.7 25.0 37.6



#64
Tetrachloroethene
Concen: 20.474 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion:164 Resp: 38965
Ion Ratio Lower Upper
164 100
166 129.1 104.0 156.0
129 91.6 74.8 112.2
131 87.8 71.2 106.8

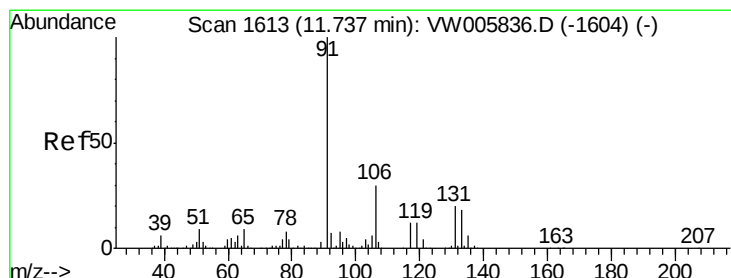
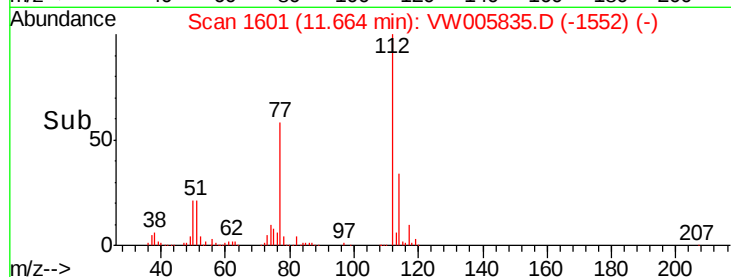
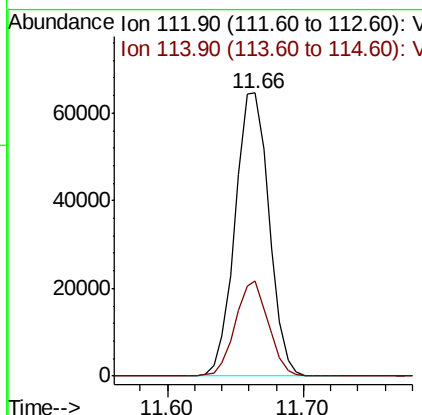
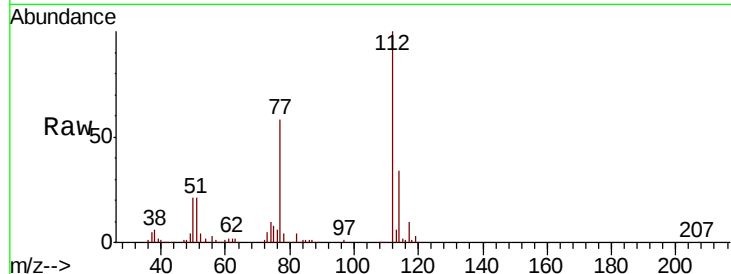




#65
Chlorobenzene
Concen: 20.035 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

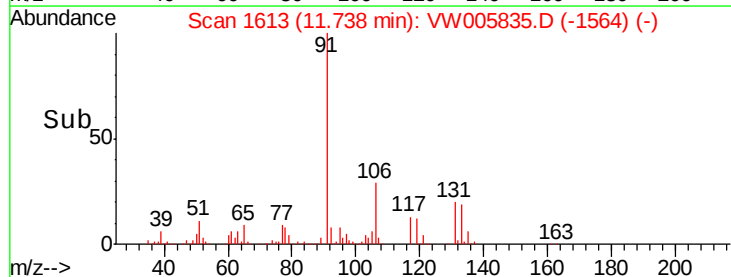
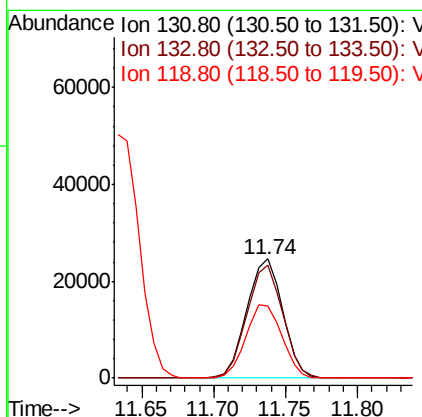
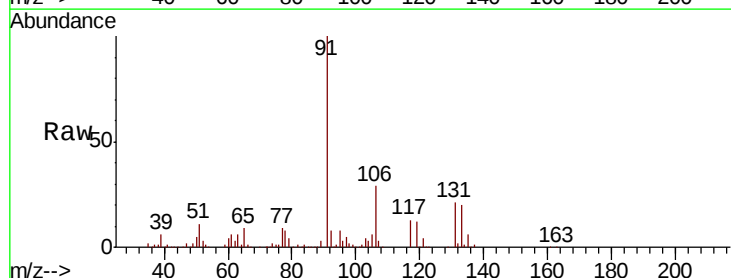
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

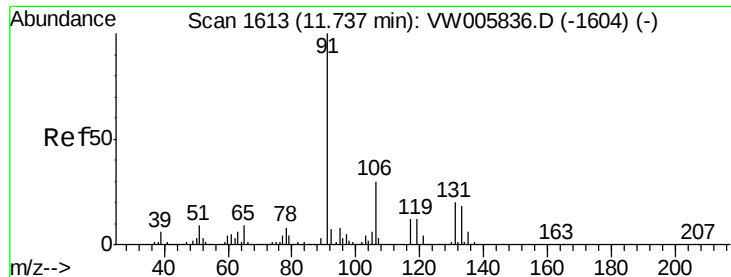
Tgt Ion:112 Resp: 112674
Ion Ratio Lower Upper
112 100
114 33.7 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.769 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion:131 Resp: 42326
Ion Ratio Lower Upper
131 100
133 95.2 47.0 141.0
119 62.1 30.4 91.2

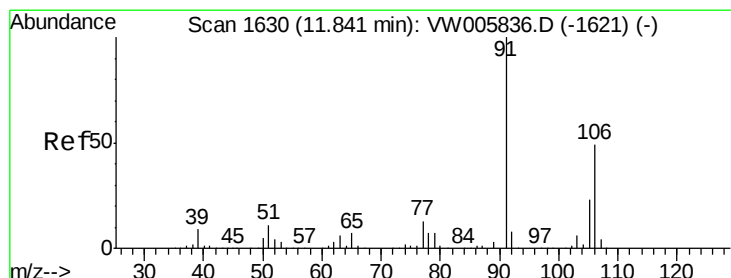
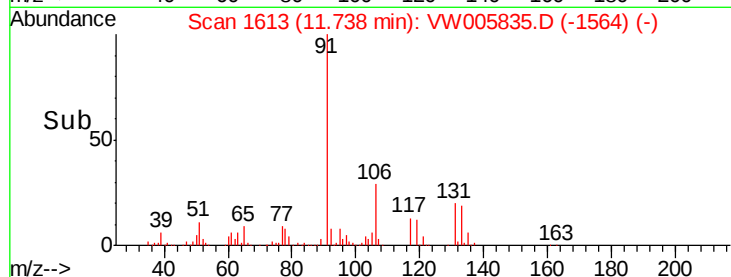
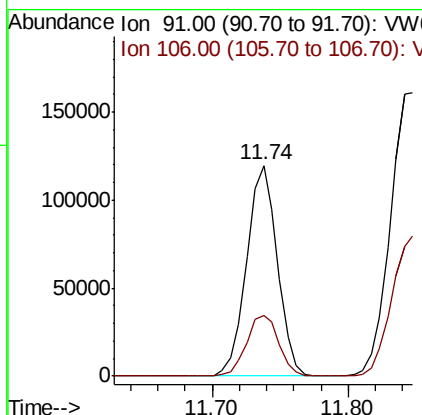
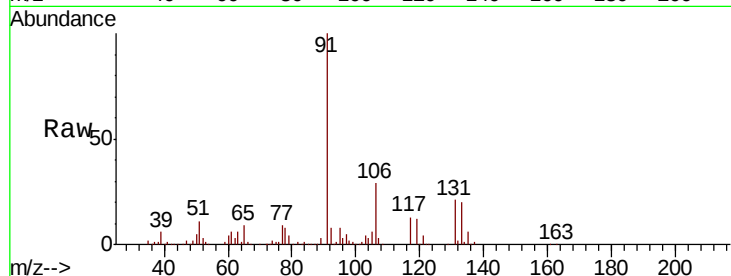




#67
Ethyl Benzene
Concen: 19.027 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

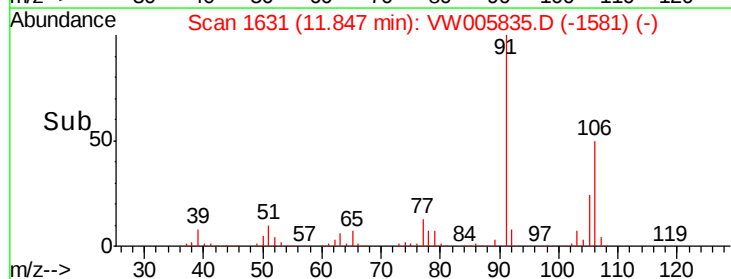
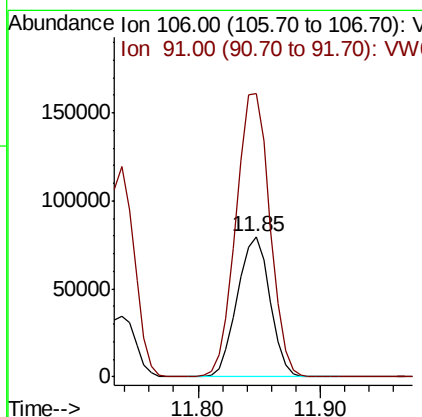
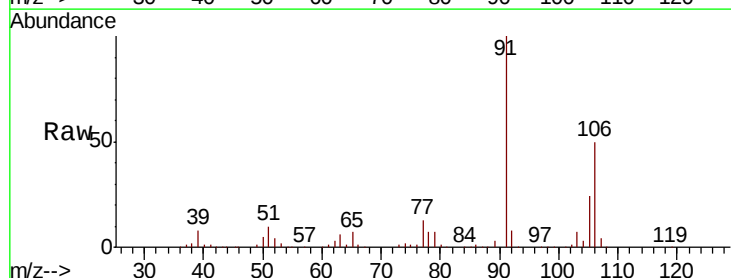
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

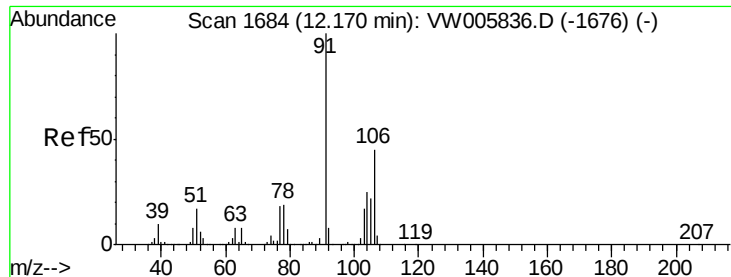
Tgt Ion: 91 Resp: 189397
Ion Ratio Lower Upper
91 100
106 29.0 24.3 36.5



#68
m/p-Xylenes
Concen: 39.305 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion: 106 Resp: 148319
Ion Ratio Lower Upper
106 100
91 208.9 165.4 248.0

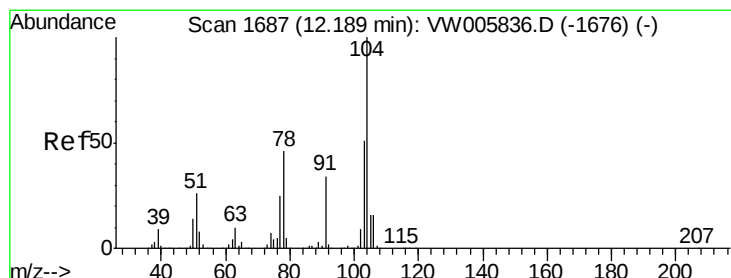
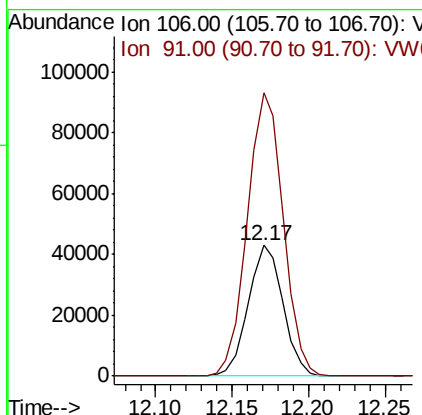
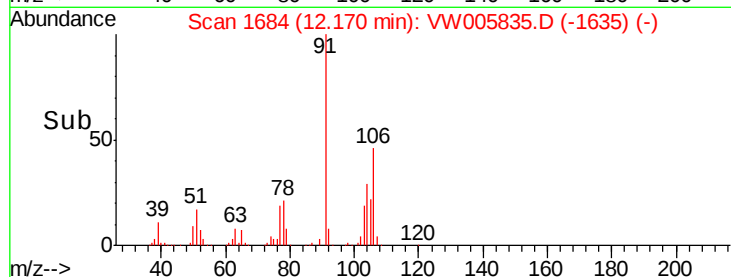
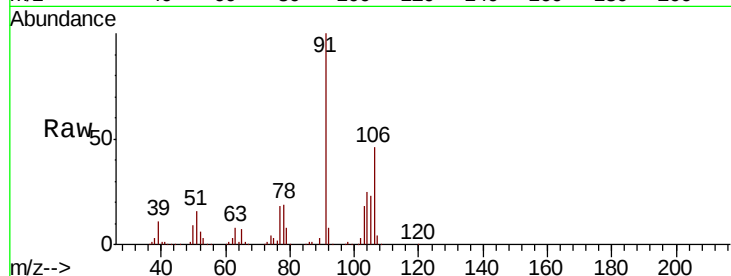




#69
o-Xylene
Concen: 19.256 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

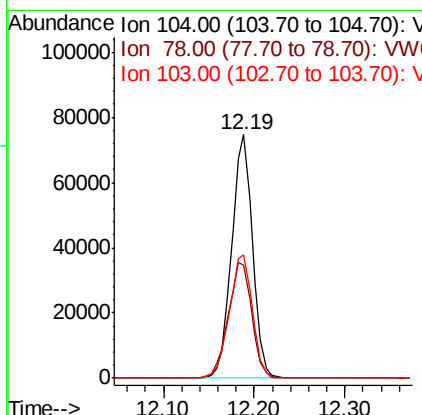
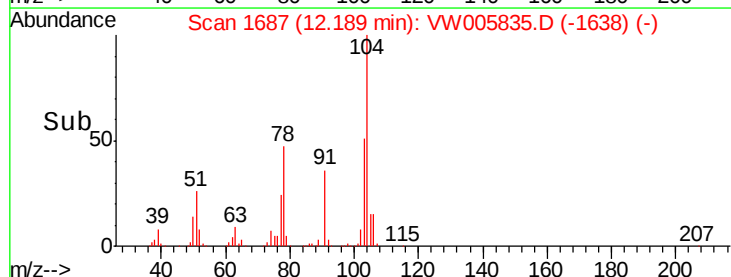
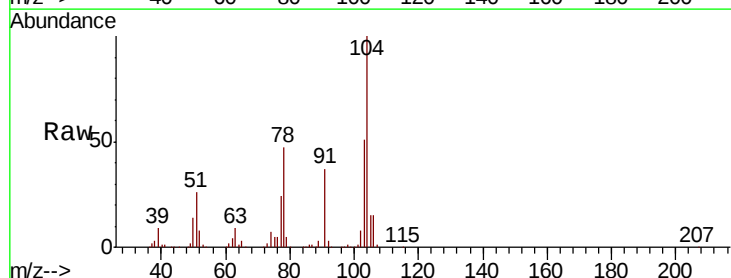
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

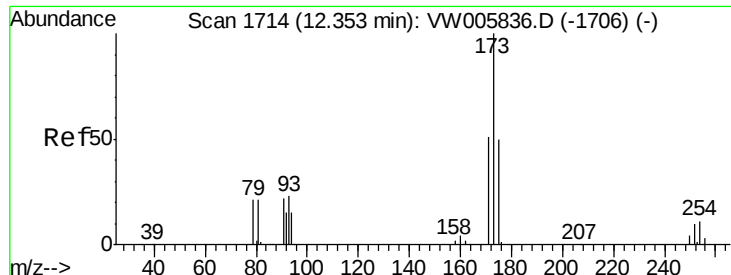
Tgt Ion:106 Resp: 67993
Ion Ratio Lower Upper
106 100
91 224.6 109.7 329.1



#70
Styrene
Concen: 20.035 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion:104 Resp: 119030
Ion Ratio Lower Upper
104 100
78 53.6 42.3 63.5
103 56.0 44.9 67.3





#71

Bromoform

Concen: 21.646 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

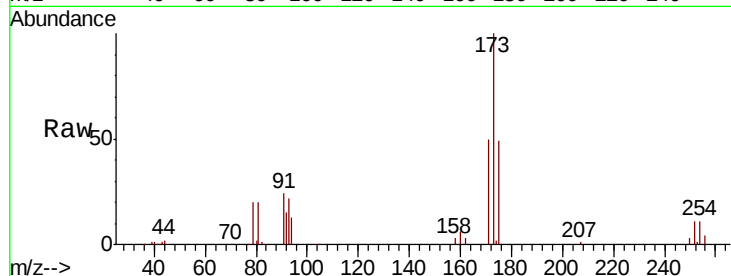
Tgt Ion:173 Resp: 23675

Ion Ratio Lower Upper

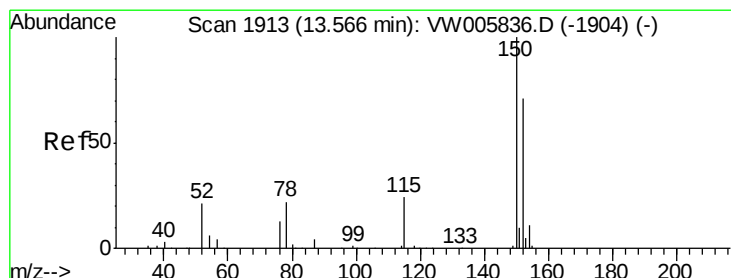
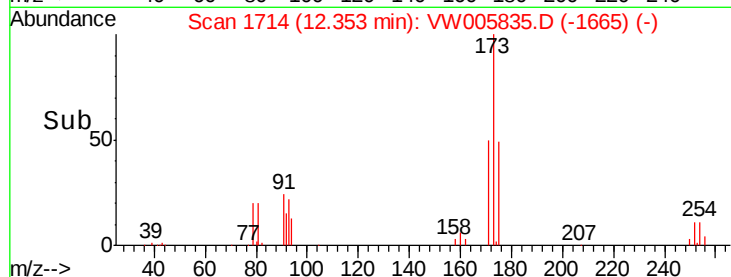
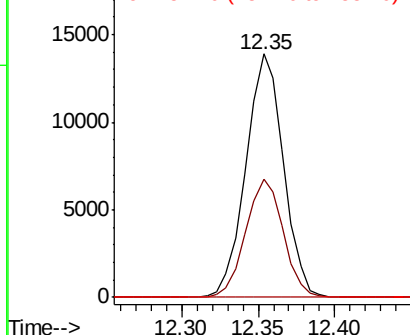
173 100

175 48.3 24.3 72.9

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

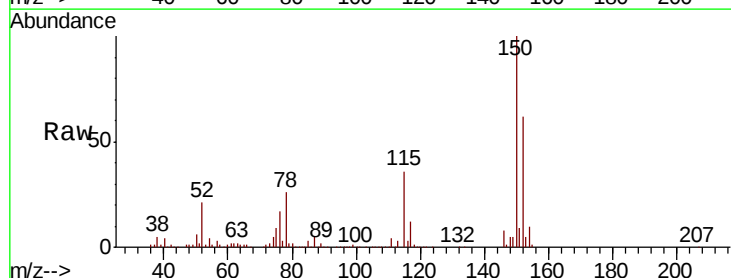
Tgt Ion:152 Resp: 143730

Ion Ratio Lower Upper

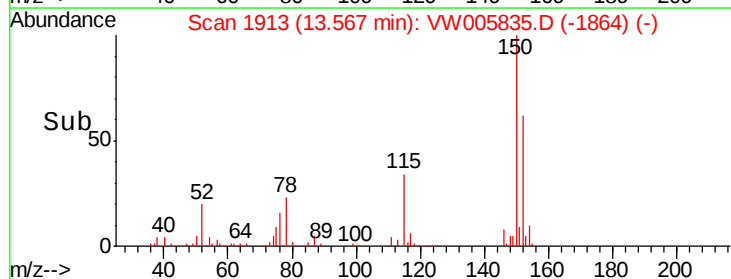
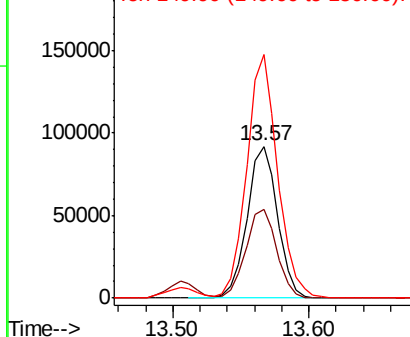
152 100

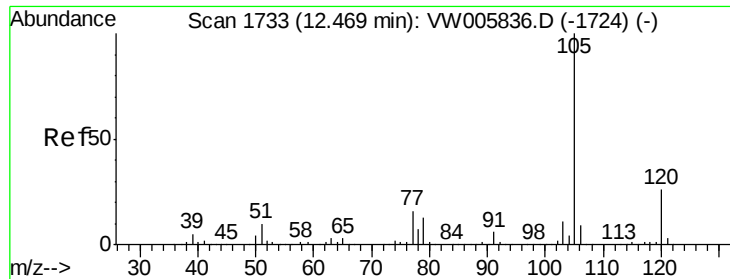
115 59.9 29.8 89.4

150 163.0 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.160 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

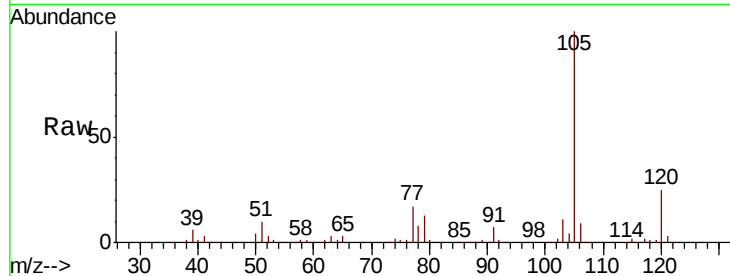
VSTDIC020

Tgt Ion: 105 Resp: 191193

Ion Ratio Lower Upper

105 100

120 26.1 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

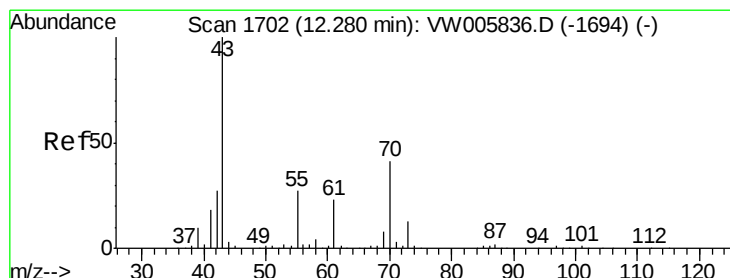
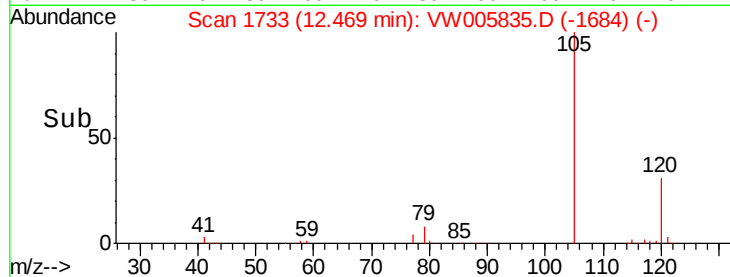
12.47

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.528 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Tgt Ion: 43 Resp: 44250

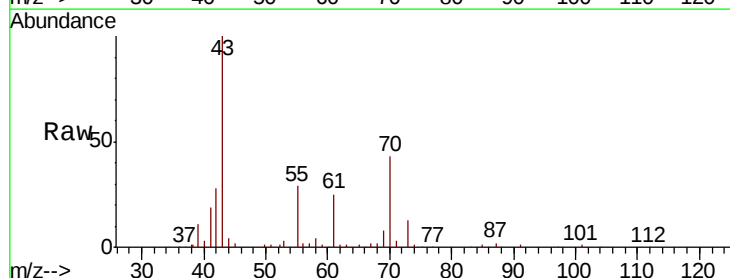
Ion Ratio Lower Upper

43 100

70 42.3 33.6 50.4

55 28.3 21.8 32.6

61 23.5 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.28

40000

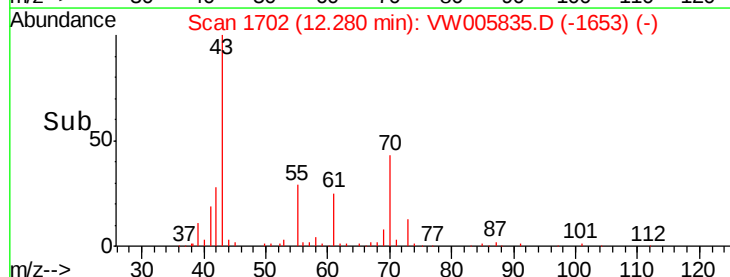
30000

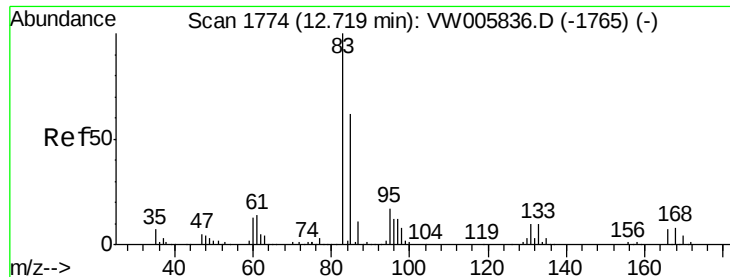
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.390 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

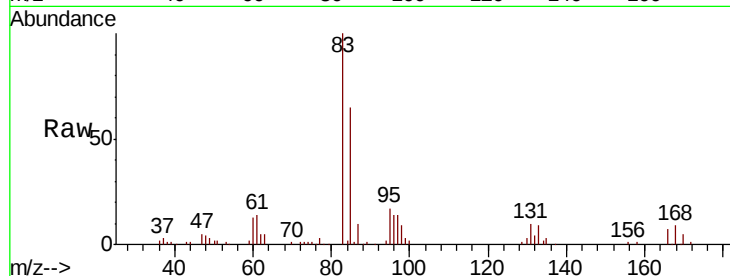
Tgt Ion: 83 Resp: 35912

Ion Ratio Lower Upper

83 100

131 11.3 5.9 17.6

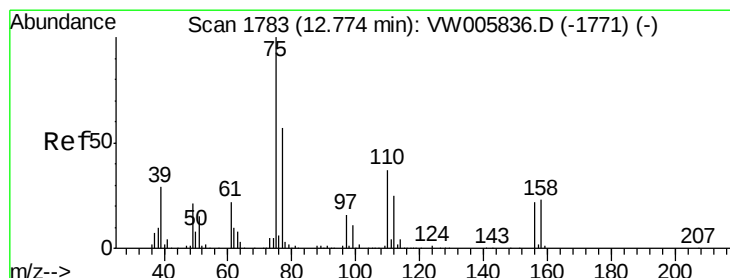
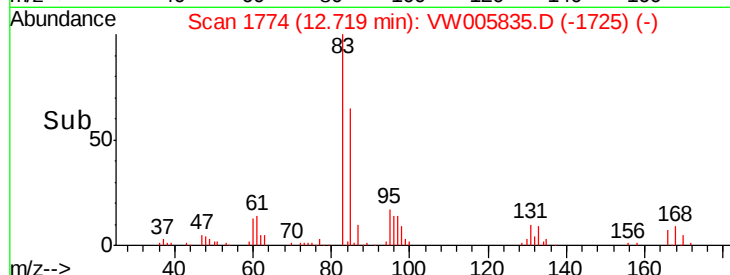
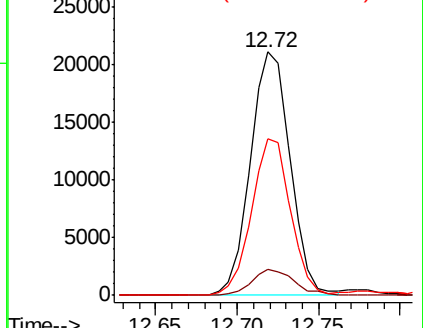
85 63.0 31.8 95.3



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: 39.102 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005835.D

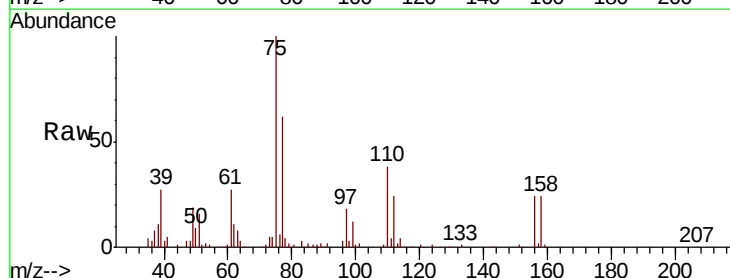
Acq: 04 Oct 2018 04:03

Tgt Ion: 75 Resp: 48724

Ion Ratio Lower Upper

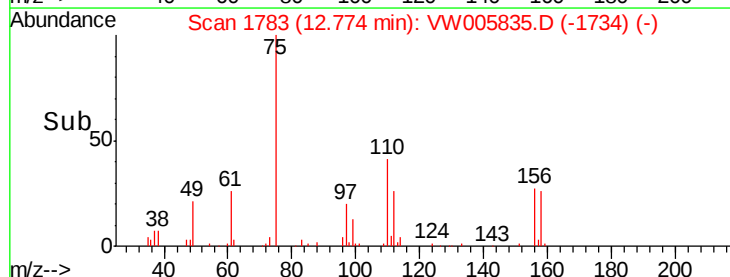
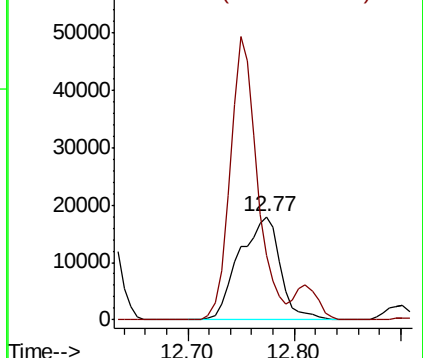
75 100

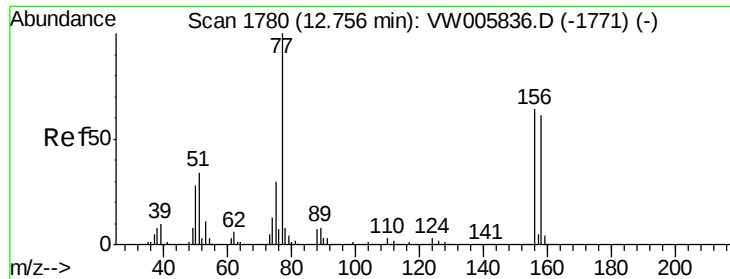
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

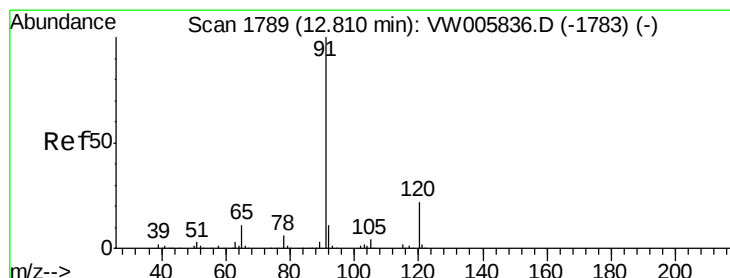
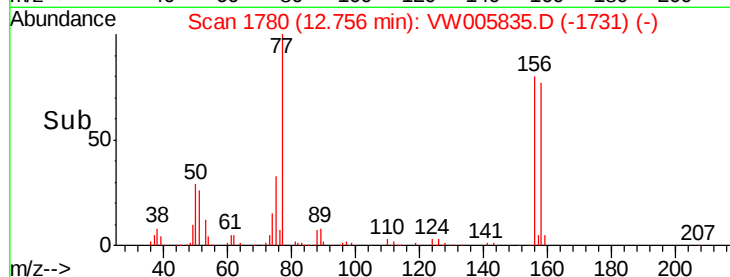
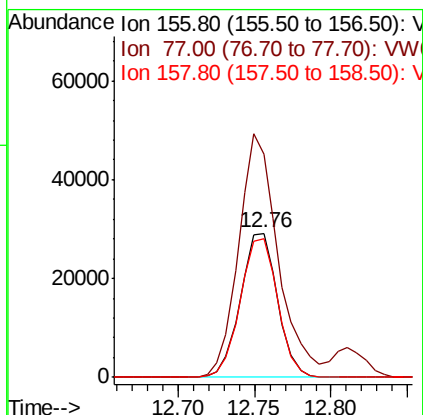
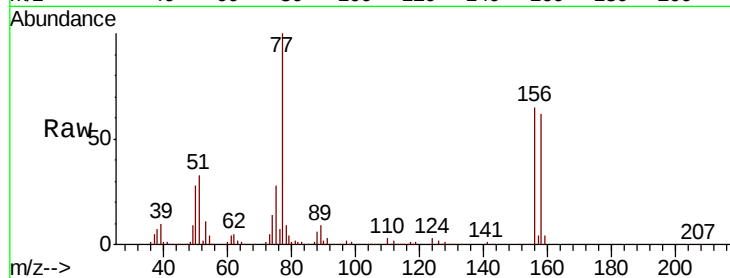




#77
Bromobenzene
Concen: 20.628 ug/l
RT: 12.76 min Scan# 1780
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

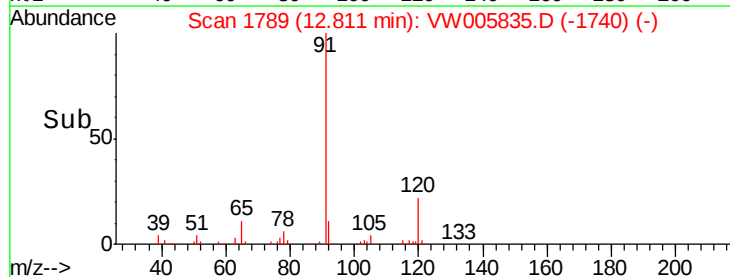
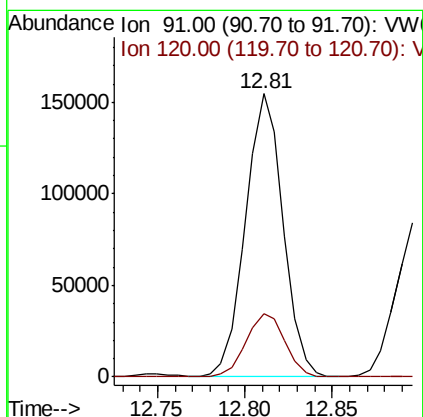
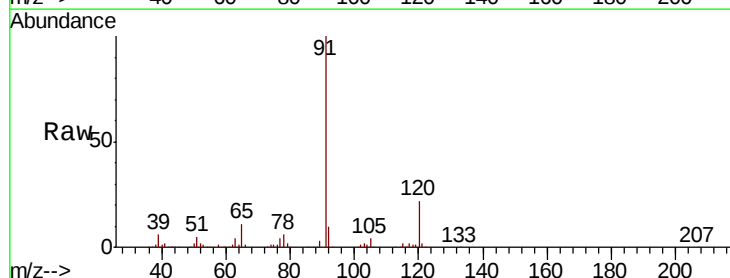
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

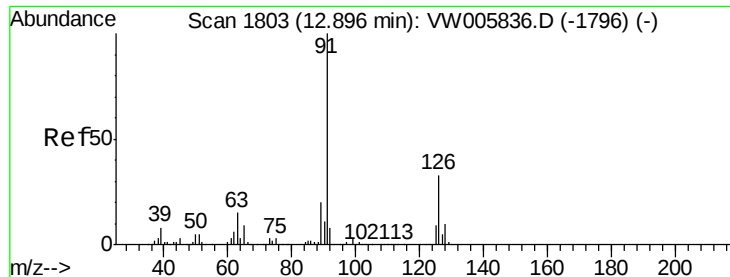
Tgt Ion: 156 Resp: 48756
Ion Ratio Lower Upper
156 100
77 180.8 91.0 273.1
158 98.3 48.4 145.2



#78
n-propylbenzene
Concen: 19.209 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion: 91 Resp: 231444
Ion Ratio Lower Upper
91 100
120 23.2 11.3 33.9





#79

2-Chlorotoluene

Concen: 19.861 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

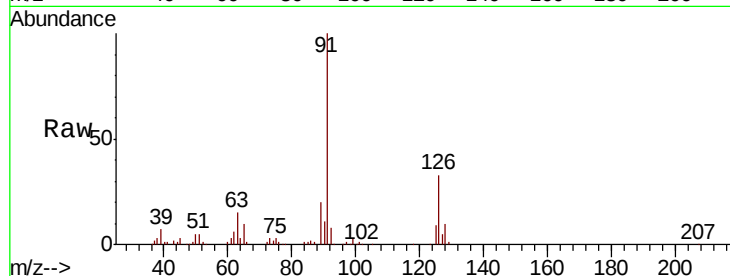
VSTDIC020

Tgt Ion: 91 Resp: 139070

Ion Ratio Lower Upper

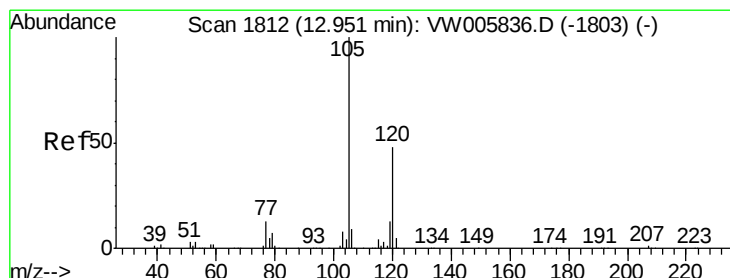
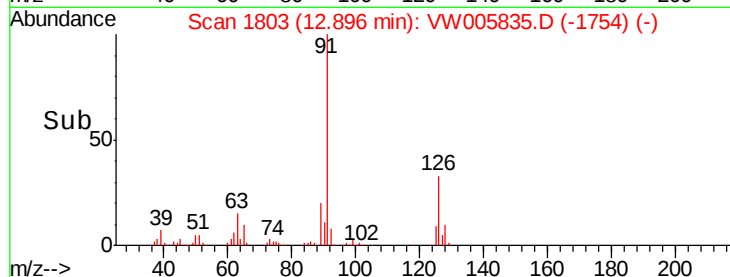
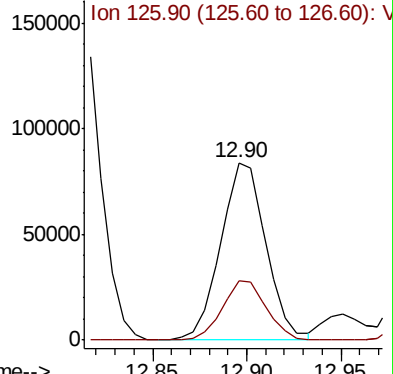
91 100

126 32.9 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.721 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005835.D

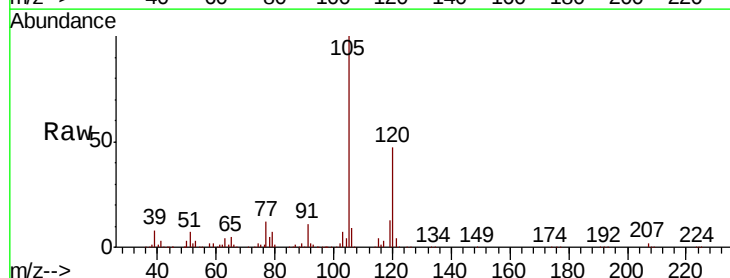
Acq: 04 Oct 2018 04:03

Tgt Ion: 105 Resp: 171255

Ion Ratio Lower Upper

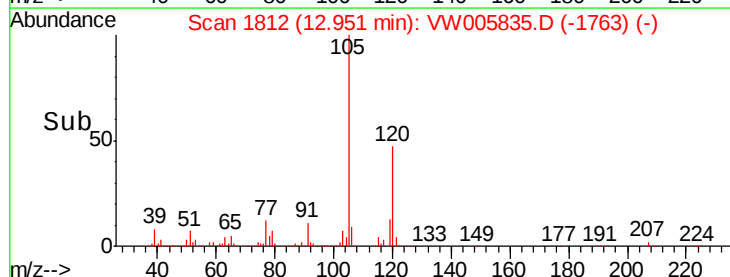
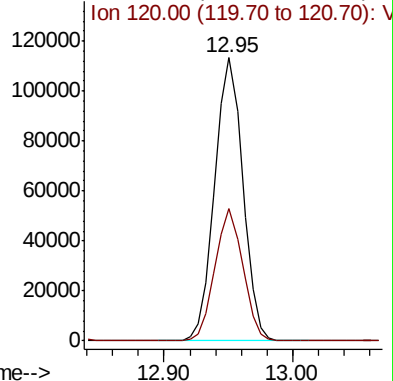
105 100

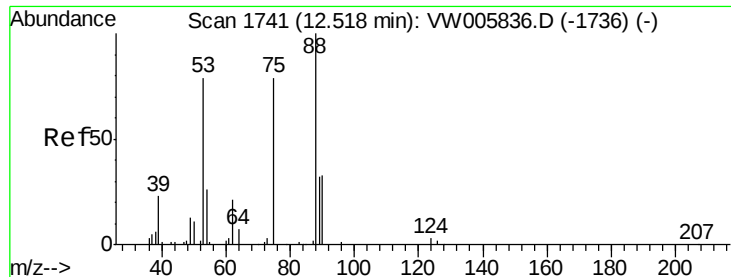
120 46.1 23.8 71.2



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: 18.730 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

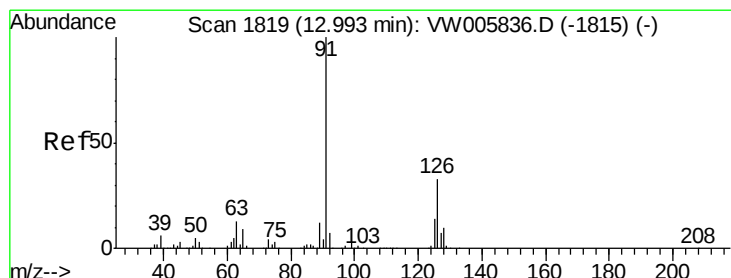
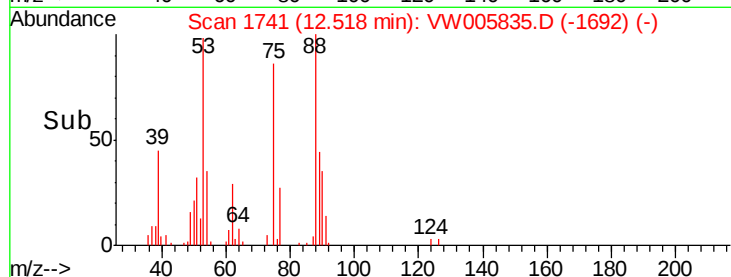
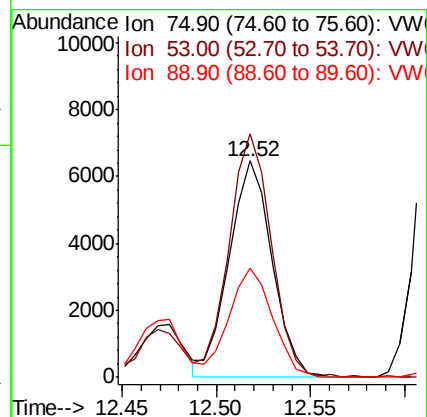
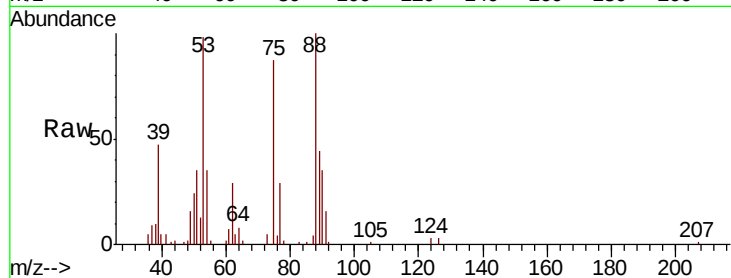
Tgt Ion: 75 Resp: 10252

Ion Ratio Lower Upper

75 100

53 110.7 83.7 125.5

89 50.3 37.5 56.3



#82

4-Chlorotoluene

Concen: 19.839 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW005835.D

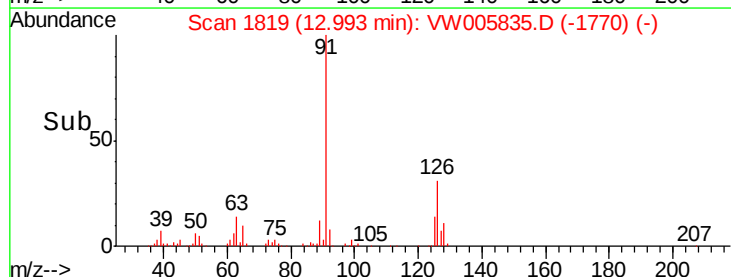
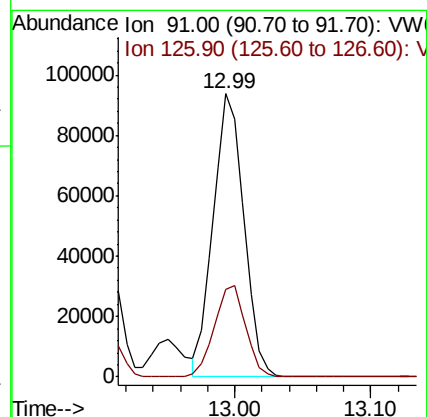
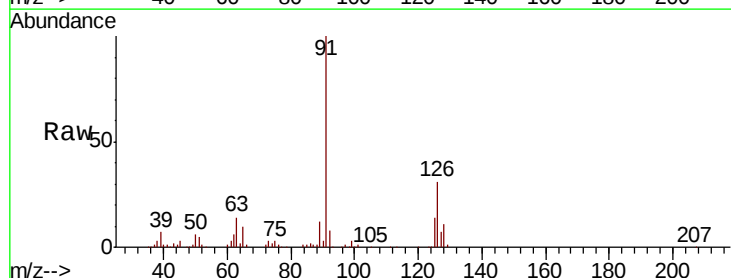
Acq: 04 Oct 2018 04:03

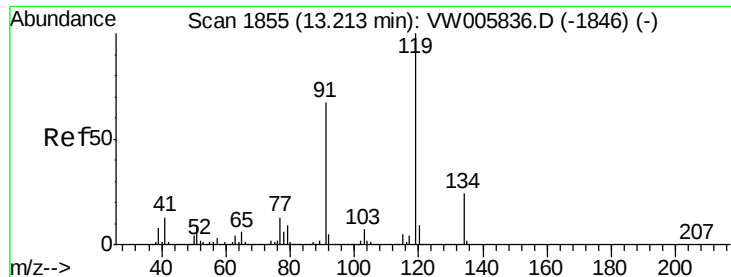
Tgt Ion: 91 Resp: 146542

Ion Ratio Lower Upper

91 100

126 32.8 16.7 50.0

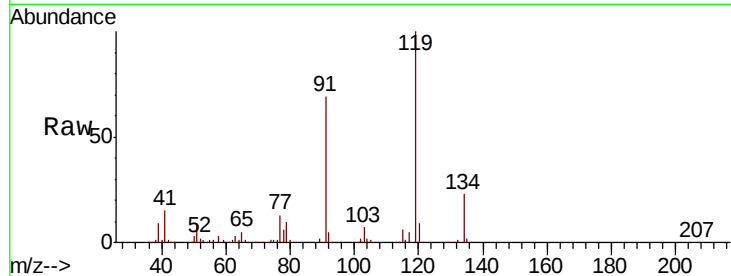




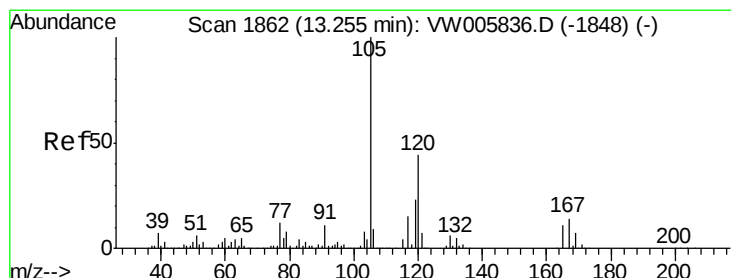
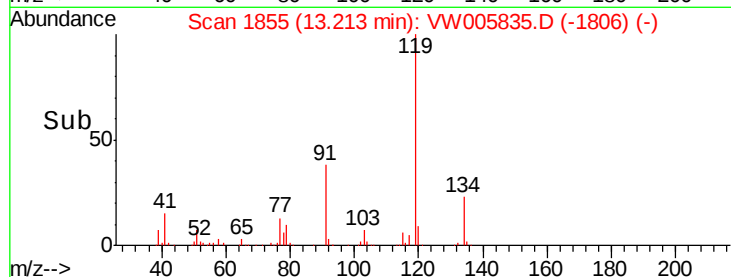
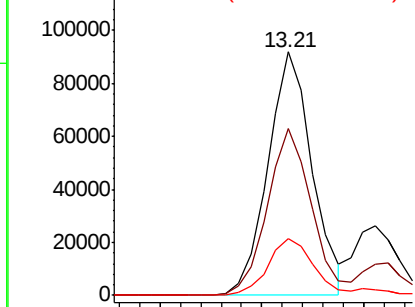
#83
 tert-Butylbenzene
 Concen: 18.982 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 138372
 Ion Ratio Lower Upper
 119 100
 91 68.9 33.4 100.2
 134 24.1 12.8 38.3

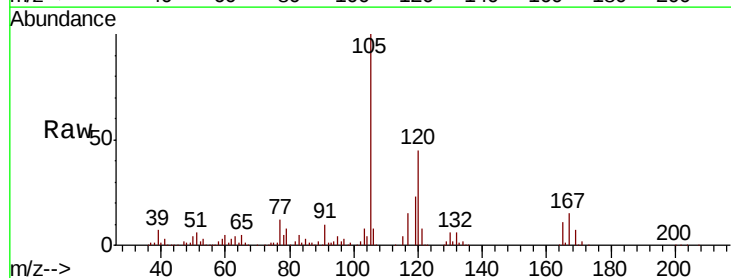


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

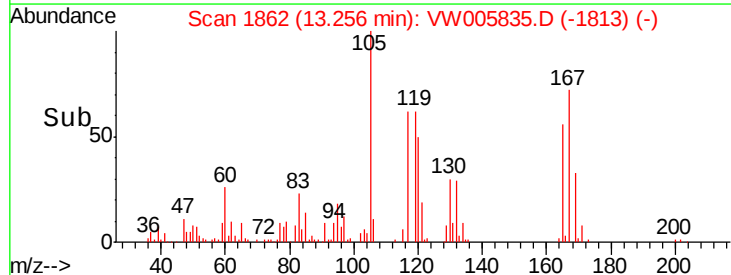
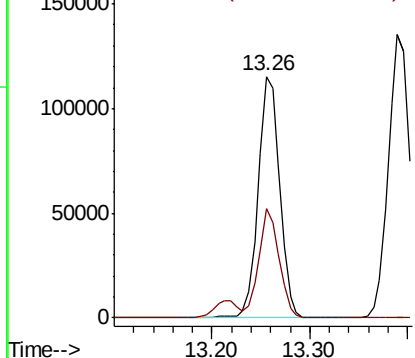


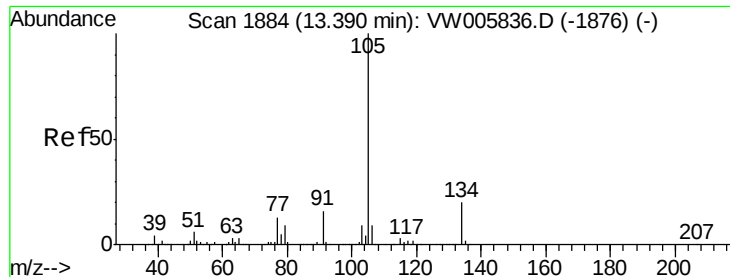
#84
 1,2,4-Trimethylbenzene
 Concen: 20.029 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion:105 Resp: 175855
 Ion Ratio Lower Upper
 105 100
 120 42.7 21.9 65.7



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

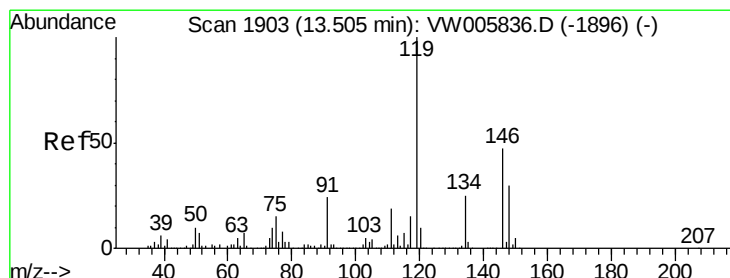
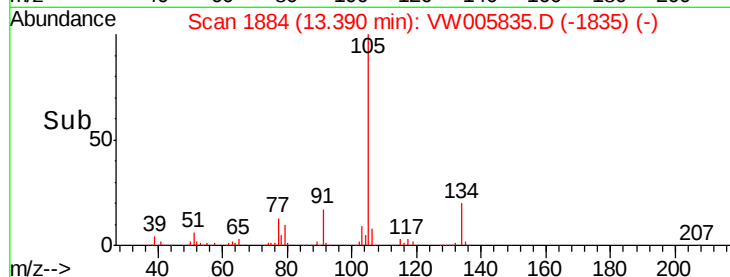
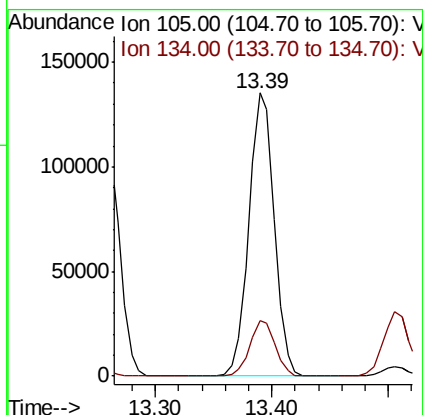
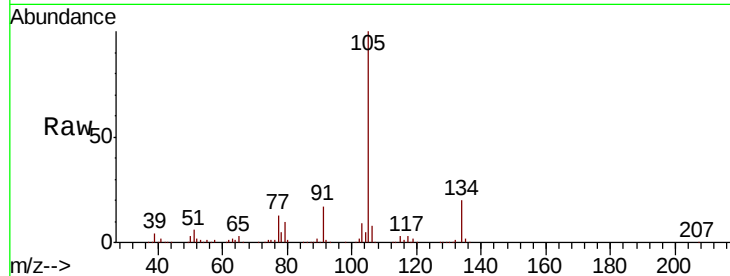




#85
 sec-Butylbenzene
 Concen: 19.505 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

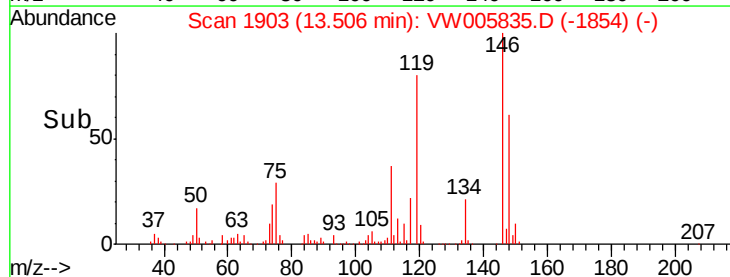
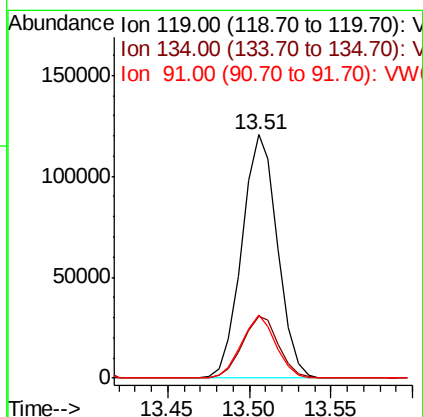
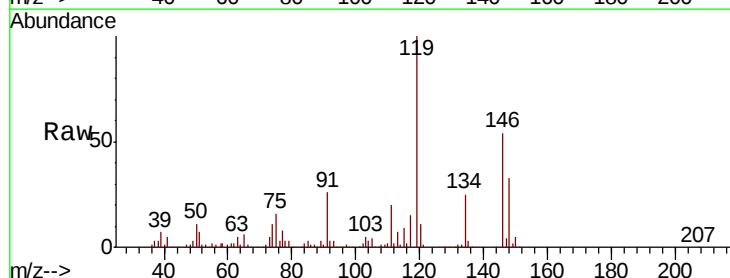
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

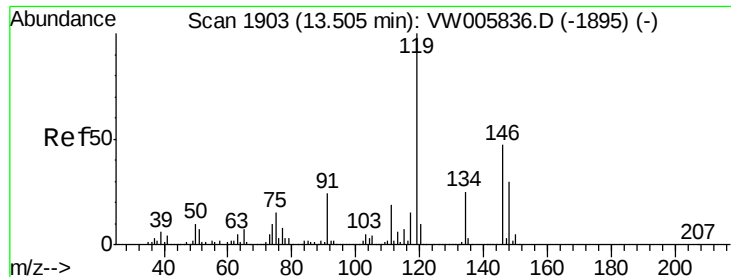
Tgt Ion:105 Resp: 205682
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 19.272 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion:119 Resp: 182715
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.0
 91 25.2 11.9 35.9

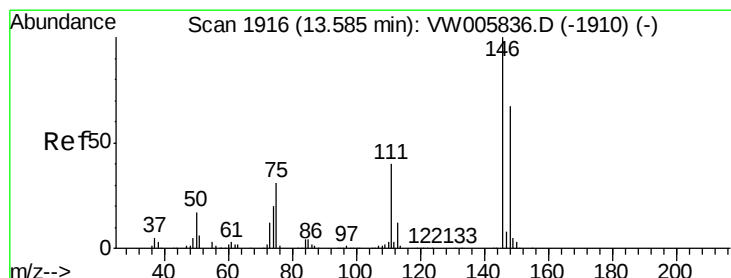
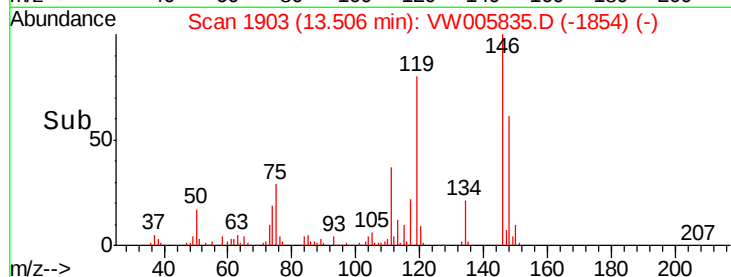
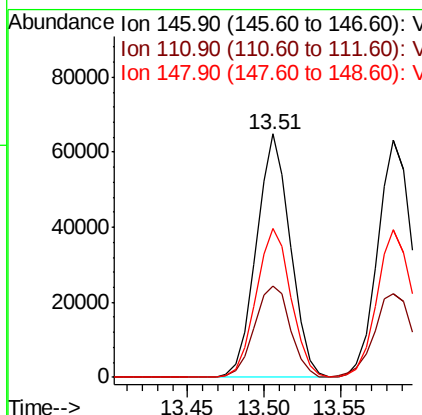
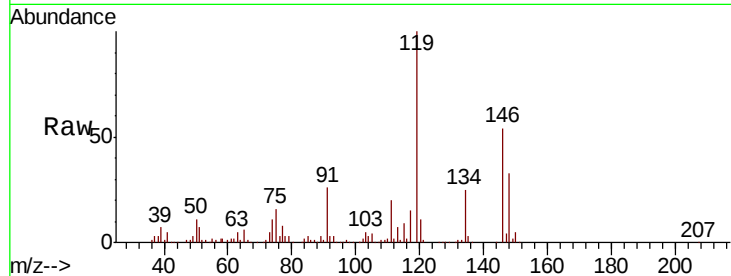




#87
 1,3-Dichlorobenzene
 Concen: 20.747 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

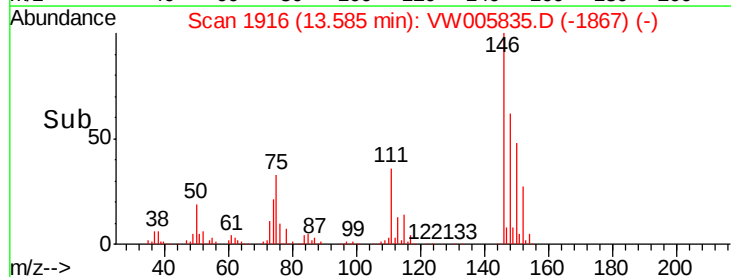
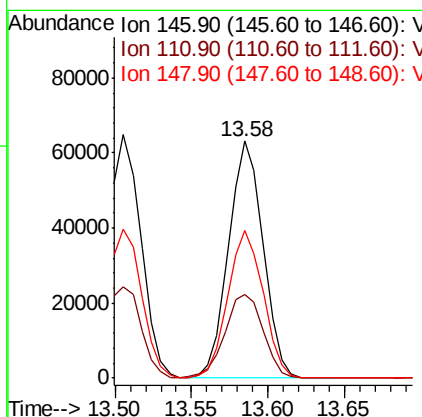
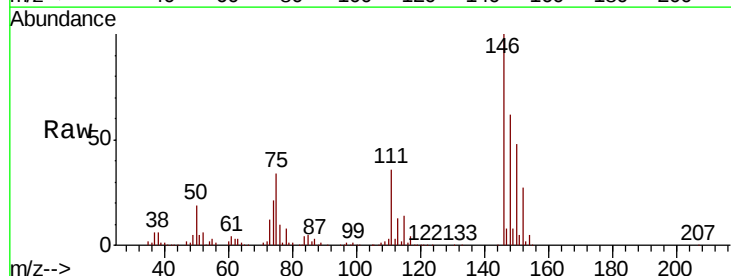
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

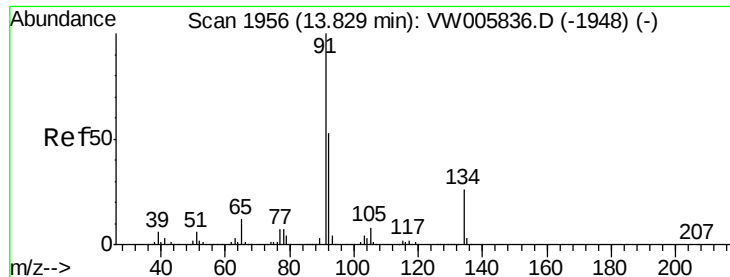
Tgt Ion:146 Resp: 100024
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.9 59.7
 148 63.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.667 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005835.D
 Acq: 04 Oct 2018 04:03

Tgt Ion:146 Resp: 98967
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.7 59.1
 148 63.8 32.1 96.5





#89

n-Butylbenzene

Concen: 18.638 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

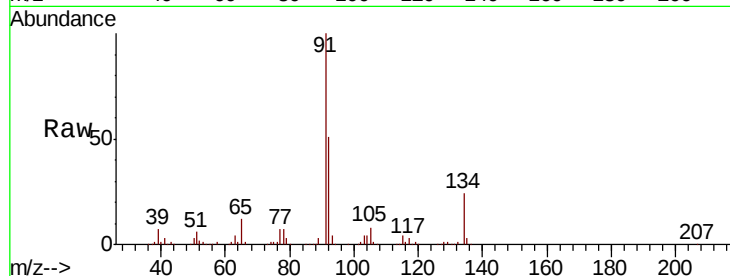
Tgt Ion: 91 Resp: 165695

Ion Ratio Lower Upper

91 100

92 51.2 26.2 78.5

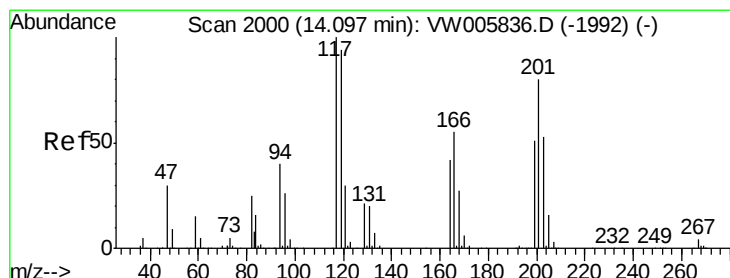
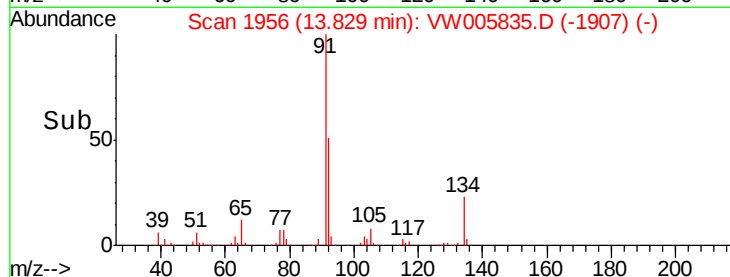
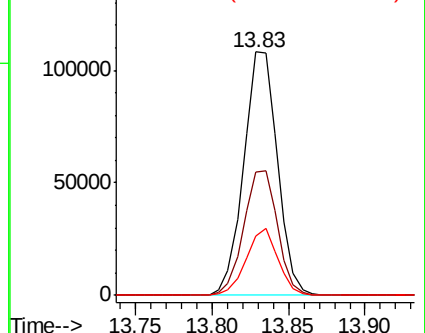
134 25.6 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.000 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW005835.D

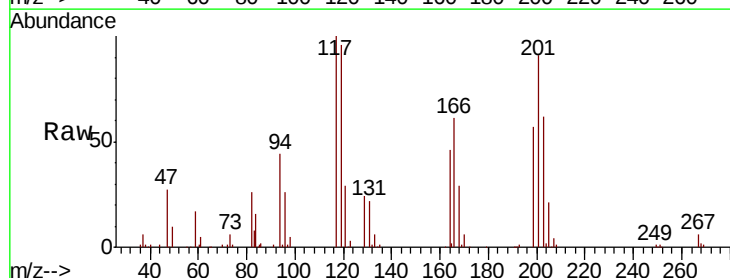
Acq: 04 Oct 2018 04:03

Tgt Ion: 117 Resp: 34386

Ion Ratio Lower Upper

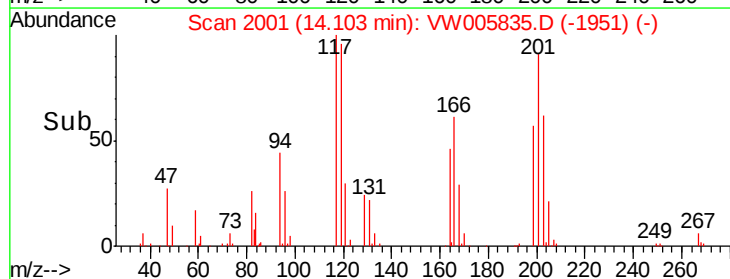
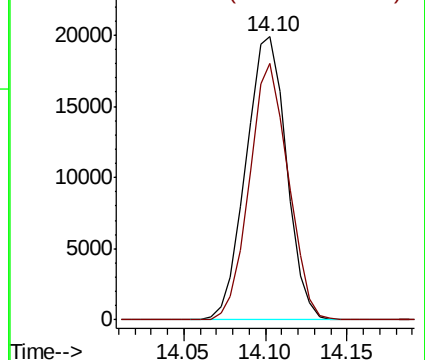
117 100

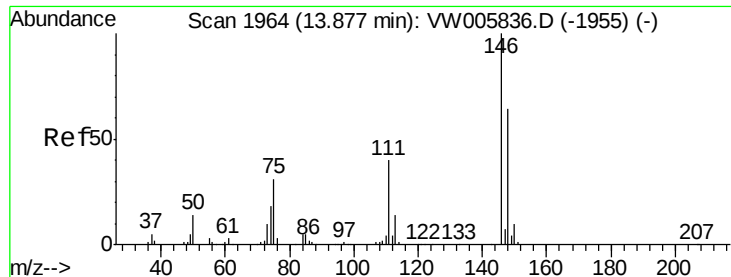
201 87.1 43.7 131.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.257 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

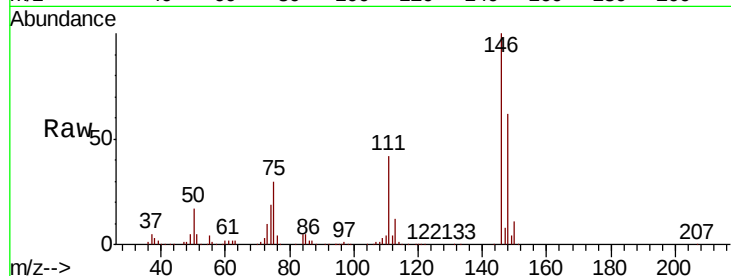
Tgt Ion:146 Resp: 90819

Ion Ratio Lower Upper

146 100

111 42.0 20.4 61.3

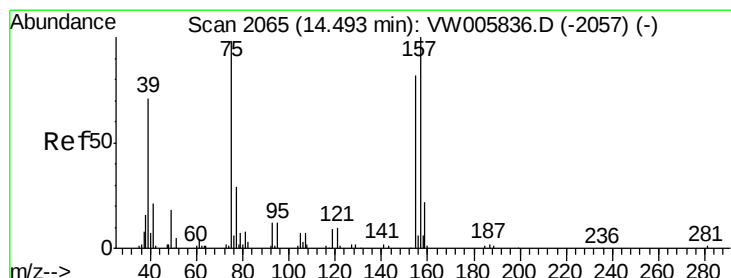
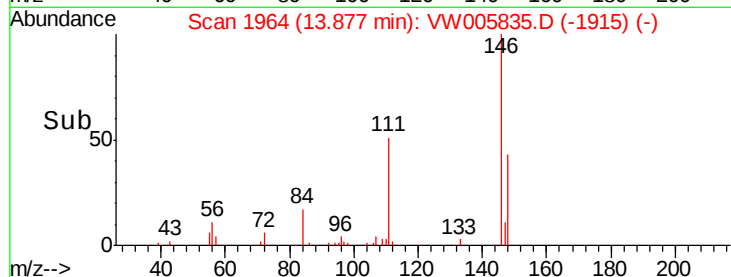
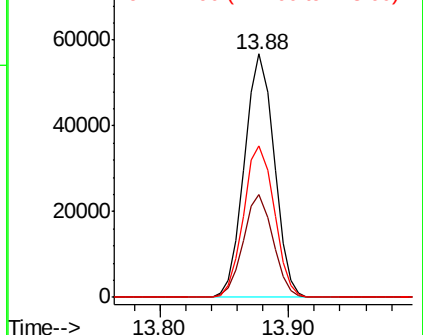
148 64.3 32.1 96.3



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: 21.124 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW005835.D

Acq: 04 Oct 2018 04:03

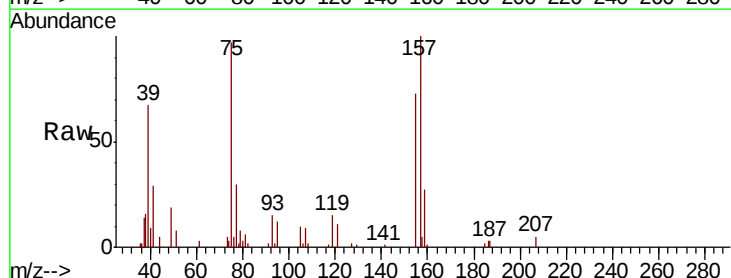
Tgt Ion: 75 Resp: 6829

Ion Ratio Lower Upper

75 100

155 77.4 41.3 123.9

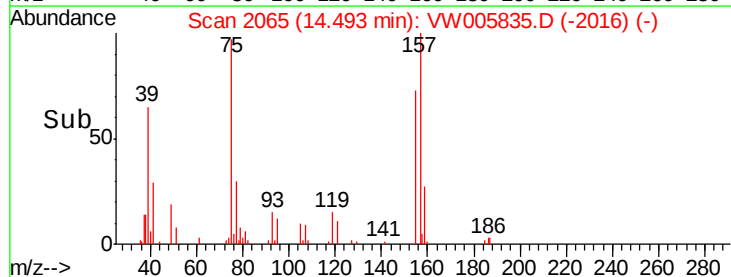
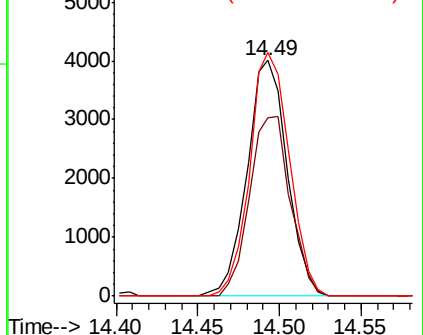
157 102.1 51.9 155.7

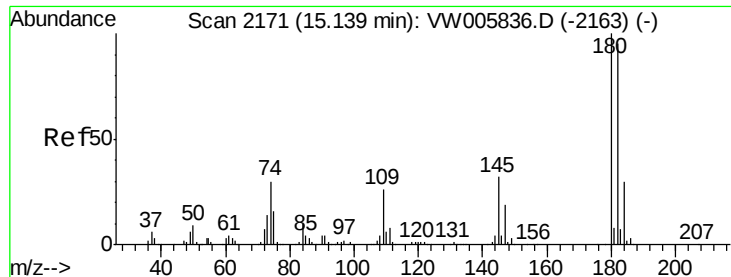


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

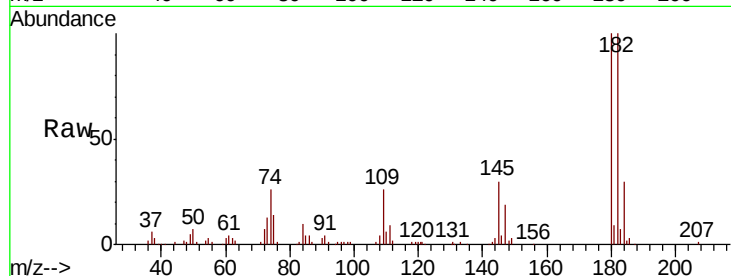




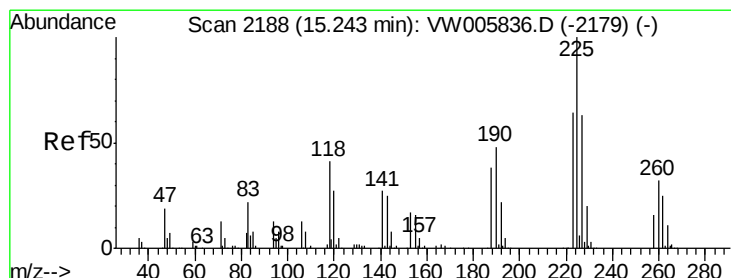
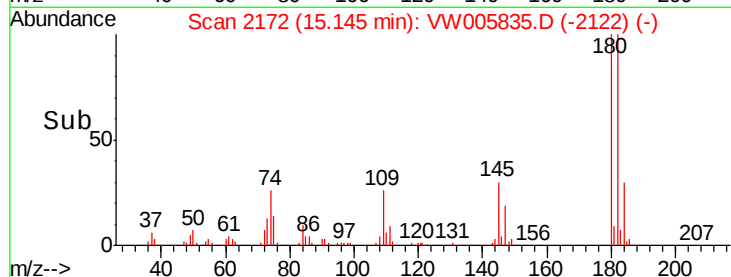
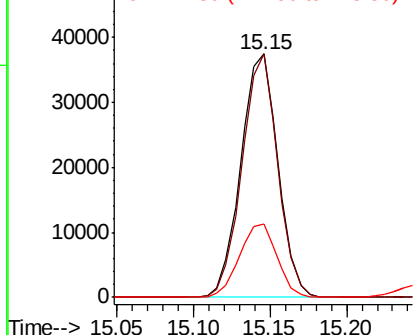
#93
1,2,4-Trichlorobenzene
Concen: 20.813 ug/l
RT: 15.15 min Scan# 2172
Delta R.T. 0.01 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:180 Resp: 63123
Ion Ratio Lower Upper
180 100
182 95.8 47.6 142.8
145 30.5 15.0 45.0

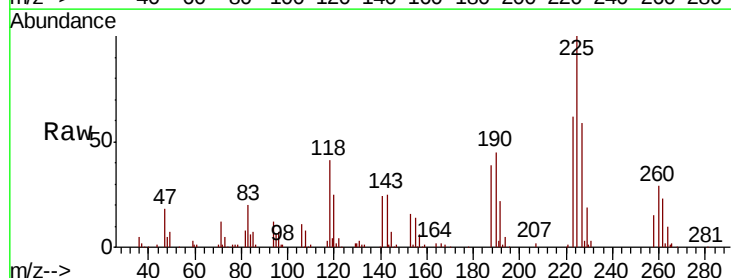


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

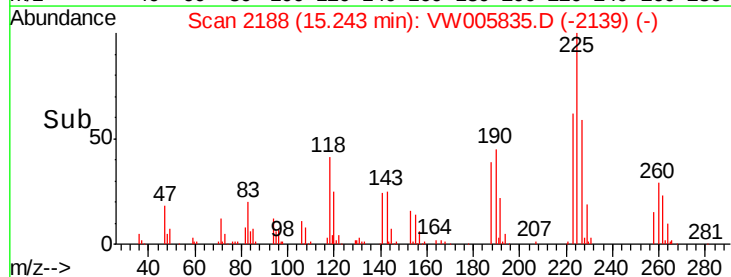
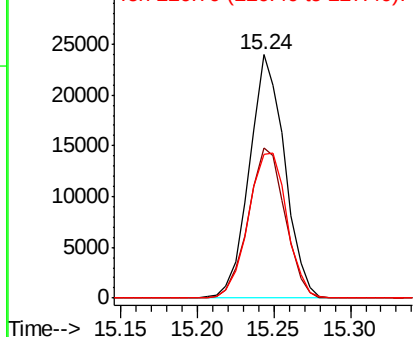


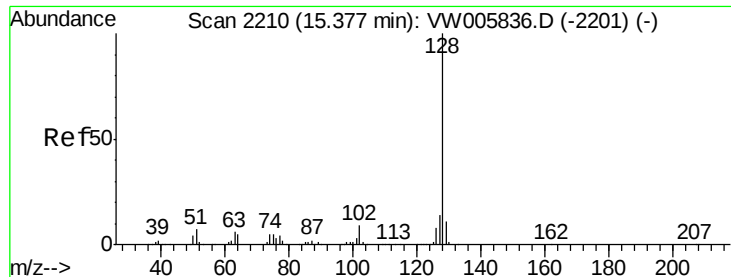
#94
Hexachlorobutadiene
Concen: 19.612 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion:225 Resp: 38327
Ion Ratio Lower Upper
225 100
223 64.4 31.2 93.6
227 65.4 31.7 95.1



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

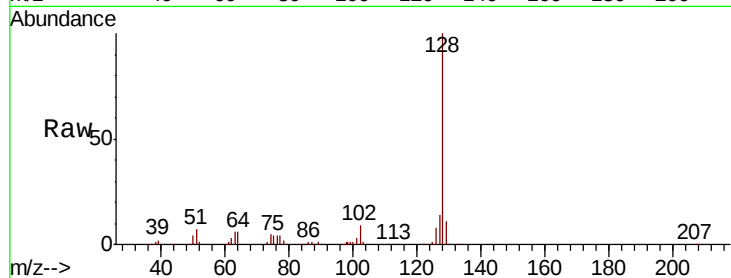




#95
Naphthalene
Concen: 20.704 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.9	16.3
129	11.0	8.9	13.3

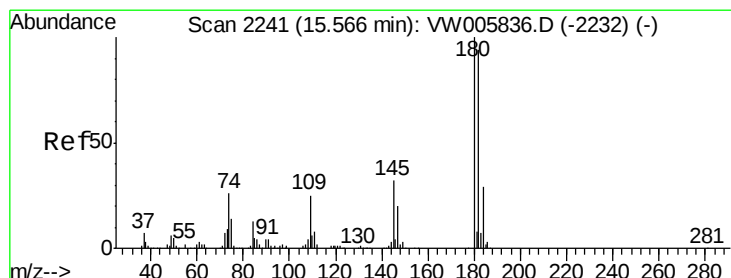
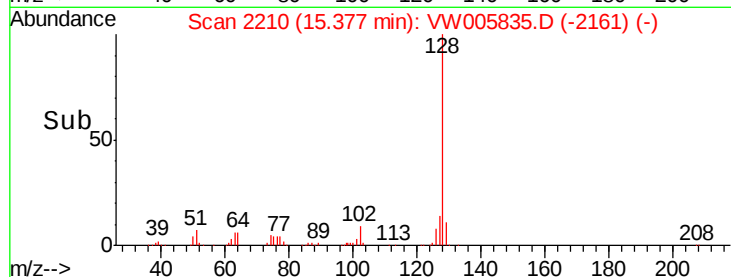
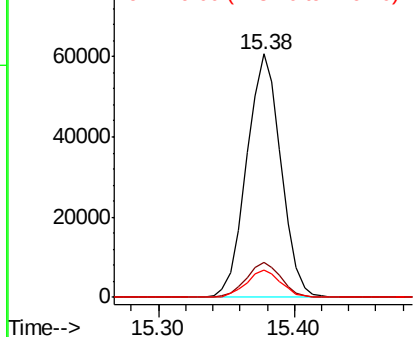


Abundance

Ion 128.00 (127.70 to 128.70): V

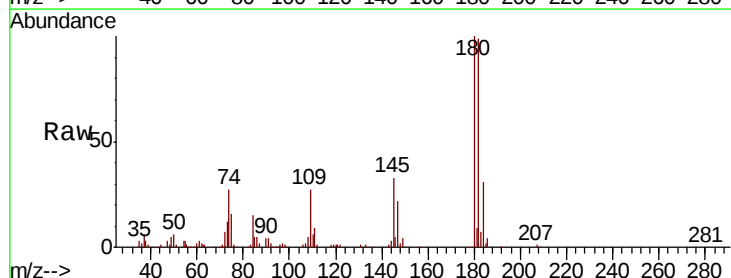
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.242 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005835.D
Acq: 04 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.3	142.0
145	32.1	16.1	48.2



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

