

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081918\
 Data File : VW004737.D
 Acq On : 17 Aug 2018 16:46
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 18 01:26:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:25:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	664813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	997189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	940745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	508905	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	127302	19.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.62%	
35) Dibromofluoromethane	7.88	113	129691	20.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.70%	
50) Toluene-d8	10.33	98	513524	20.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.28%	
62) 4-Bromofluorobenzene	12.62	95	183096	20.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.92%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	90976	20.659	ug/l	95
3) Chloromethane	2.21	50	111708	19.402	ug/l	99
4) Vinyl Chloride	2.37	62	178574	21.071	ug/l	99
5) Bromomethane	2.78	94	107241	20.489	ug/l	99
6) Chloroethane	2.93	64	106845	20.894	ug/l	94
7) Trichlorofluoromethane	3.25	101	81359	20.378	ug/l	96
8) Diethyl Ether	3.67	74	72501	20.084	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	143455	20.866	ug/l	99
10) Methyl Iodide	4.27	142	215057	20.597	ug/l	100
11) Tert butyl alcohol	5.21	59	33611	92.871	ug/l	99
12) 1,1-Dichloroethene	4.03	96	141587	20.666	ug/l	98
13) Acrolein	3.89	56	50780	105.381	ug/l	97
14) Allyl chloride	4.67	41	207791	19.986	ug/l	100
15) Acrylonitrile	5.37	53	147967	97.740	ug/l	99
16) Acetone	4.14	43	166102	101.235	ug/l	100
17) Carbon Disulfide	4.38	76	460898	20.471	ug/l	98
18) Methyl Acetate	4.67	43	69214	19.685	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	175899	19.779	ug/l	92
20) Methylene Chloride	4.91	84	180241	20.128	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	149575	20.519	ug/l	97
22) Diisopropyl ether	6.31	45	415586	20.796	ug/l	98
23) Vinyl Acetate	6.26	43	1119425	99.035	ug/l	100
24) 1,1-Dichloroethane	6.21	63	263935	20.324	ug/l	98
25) 2-Butanone	7.18	43	230687	98.678	ug/l	98
26) 2,2-Dichloropropane	7.17	77	152993	20.397	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	156857	19.988	ug/l	98
28) Bromochloromethane	7.51	49	110522	20.210	ug/l	97
29) Tetrahydrofuran	7.54	42	114650	96.176	ug/l	100
30) Chloroform	7.68	83	259163	20.292	ug/l	98
31) Cyclohexane	7.96	56	253370	20.171	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	207603	20.506	ug/l	99
36) 1,1-Dichloropropene	8.09	75	212248	20.661	ug/l	99
37) Ethyl Acetate	7.26	43	83414	20.370	ug/l	99
38) Carbon Tetrachloride	8.07	117	195385	20.662	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	258460	20.118	ug/l	97
40) Benzene	8.32	78	611818	20.493	ug/l	99
41) Methacrylonitrile	7.49	41	48902	21.042	ug/l	98
42) 1,2-Dichloroethane	8.40	62	157300	20.547	ug/l	100
43) Isopropyl Acetate	8.43	43	142597	19.386	ug/l	99
44) Trichloroethene	9.09	130	153073	20.198	ug/l	98
45) 1,2-Dichloropropane	9.37	63	149055	20.411	ug/l	98
46) Dibromomethane	9.46	93	73843	20.411	ug/l	99
47) Bromodichloromethane	9.65	83	174401	20.185	ug/l	98
48) Methyl methacrylate	9.44	41	65964	19.112	ug/l	98
49) 1,4-Dioxane	9.48	88	20969	396.712	ug/l #	83
51) 4-Methyl-2-Pentanone	10.21	43	494370	99.446	ug/l	99
52) Toluene	10.39	92	370944	20.717	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	175234	20.130	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	208515	20.092	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	106576	20.724	ug/l	99
56) Ethyl methacrylate	10.65	69	118710	19.541	ug/l	99
57) 1,3-Dichloropropane	10.93	76	181782	20.478	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	293531	103.352	ug/l	99
59) 2-Hexanone	10.98	43	342656	101.728	ug/l	98
60) Dibromochloromethane	11.13	129	116386	20.172	ug/l	99
61) 1,2-Dibromoethane	11.24	107	100245	20.392	ug/l	99
64) Tetrachloroethene	10.87	164	132329	20.582	ug/l	99
65) Chlorobenzene	11.66	112	410833	20.290	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	136041	19.899	ug/l	99
67) Ethyl Benzene	11.74	91	691991	20.160	ug/l	99
68) m/p-Xylenes	11.85	106	552345	41.360	ug/l	99
69) o-Xylene	12.17	106	250614	20.271	ug/l	100
70) Styrene	12.19	104	426836	20.554	ug/l	100
71) Bromoform	12.35	173	70295	19.480	ug/l	100
73) Isopropylbenzene	12.47	105	697269	20.140	ug/l	100
74) N-amyl acetate	12.28	43	139815	19.264	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	126954	19.795	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	160512	21.294	ug/l #	100
77) Bromobenzene	12.76	156	167776	20.021	ug/l	99
78) n-propylbenzene	12.81	91	867951	20.544	ug/l	100
79) 2-Chlorotoluene	12.90	91	491902	20.200	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	607704	20.661	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	37174	19.260	ug/l	98
82) 4-Chlorotoluene	12.99	91	528128	20.412	ug/l	100
83) tert-Butylbenzene	13.21	119	504092	20.037	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	624206	20.627	ug/l	100
85) sec-Butylbenzene	13.39	105	765935	20.392	ug/l	100
86) p-Isopropyltoluene	13.51	119	672408	20.574	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	347947	20.413	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	344139	20.197	ug/l	99
89) n-Butylbenzene	13.83	91	639599	20.241	ug/l	99
90) Hexachloroethane	14.10	117	116821	19.610	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	308718	20.164	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19383	19.338	ug/l	98

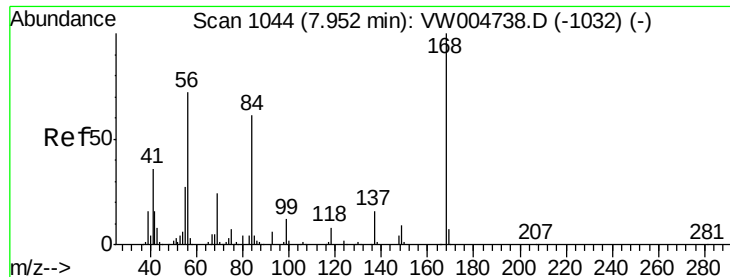
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	216824	20.023	ug/l	98
94) Hexachlorobutadiene	15.25	225	136758	20.576	ug/l	99
95) Naphthalene	15.38	128	360270	19.238	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	194972	20.304	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

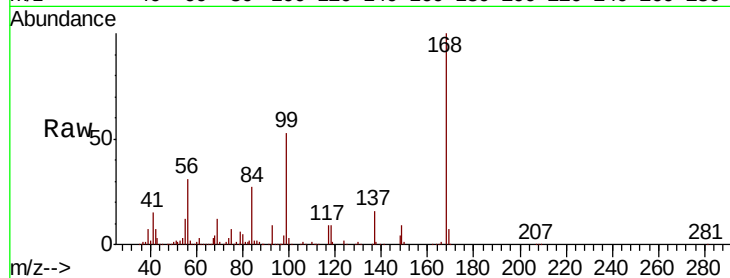
VSTDIC020

Tgt Ion:168 Resp: 664813

Ion Ratio Lower Upper

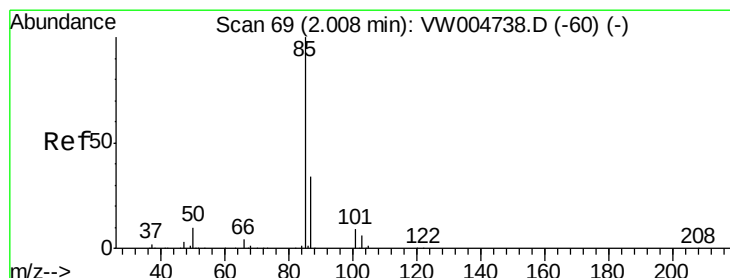
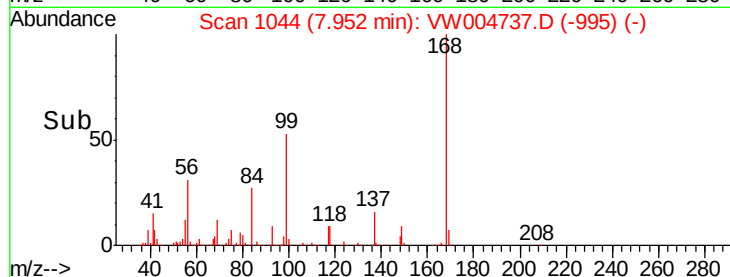
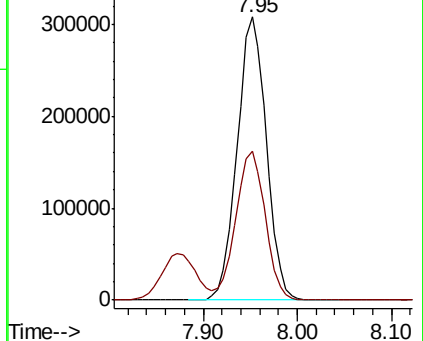
168 100

99 52.6 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.659 ug/l

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004737.D

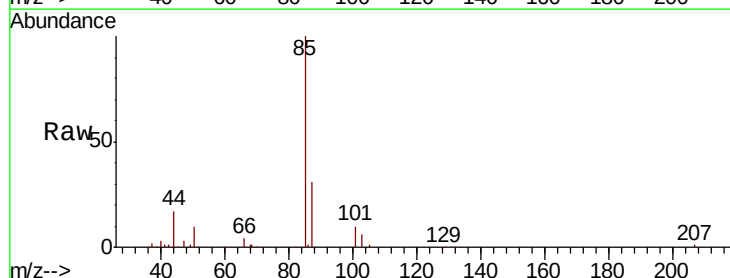
Acq: 17 Aug 2018 16:46

Tgt Ion: 85 Resp: 90976

Ion Ratio Lower Upper

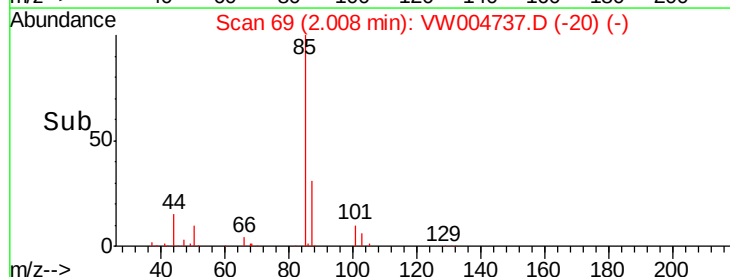
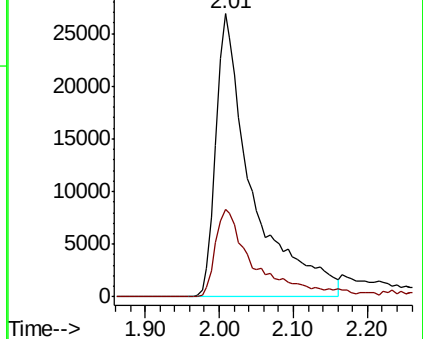
85 100

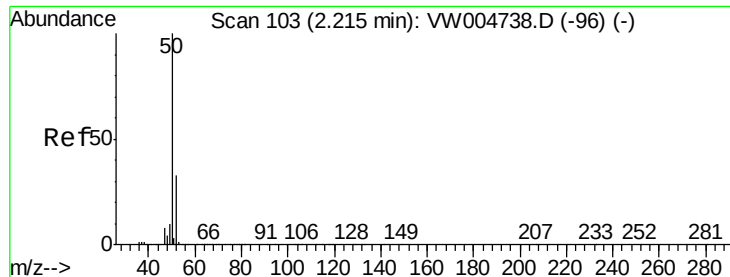
87 30.7 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.402 ug/l

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

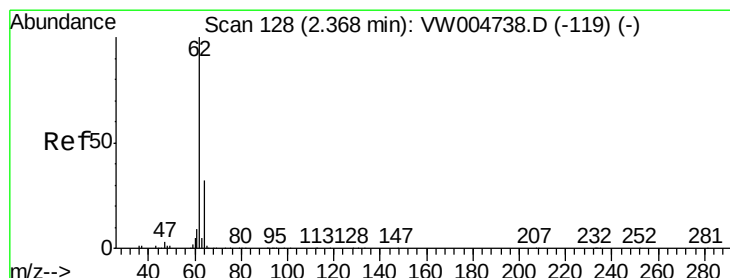
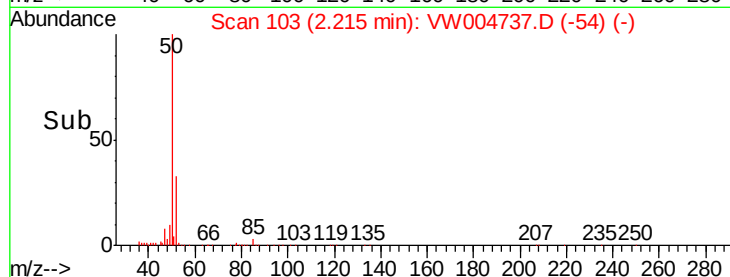
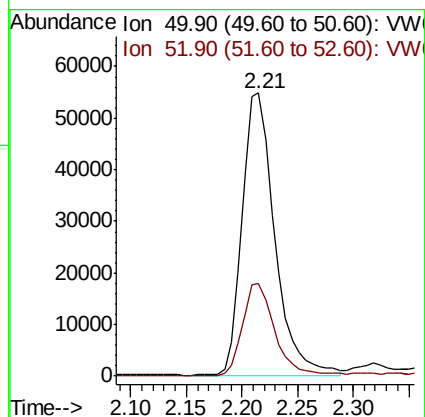
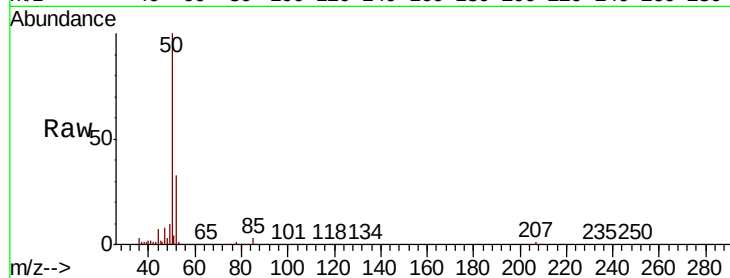
VSTDIC020

Tgt Ion: 50 Resp: 111708

Ion Ratio Lower Upper

50 100

52 32.8 26.7 40.1



#4

Vinyl Chloride

Concen: 21.071 ug/l

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004737.D

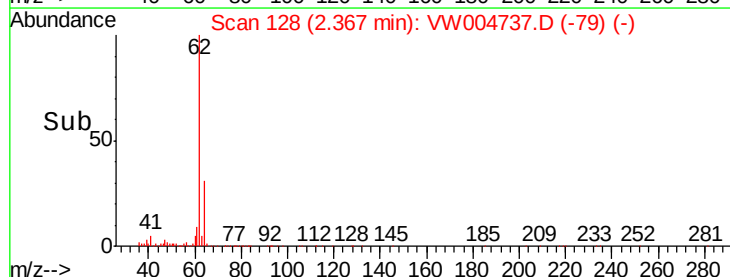
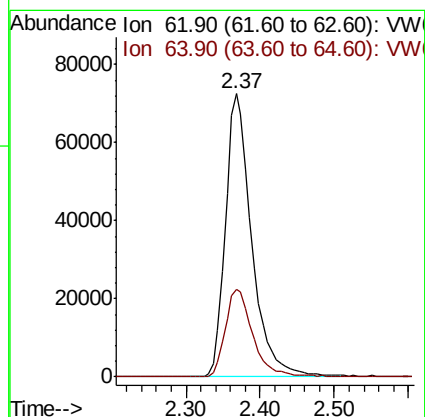
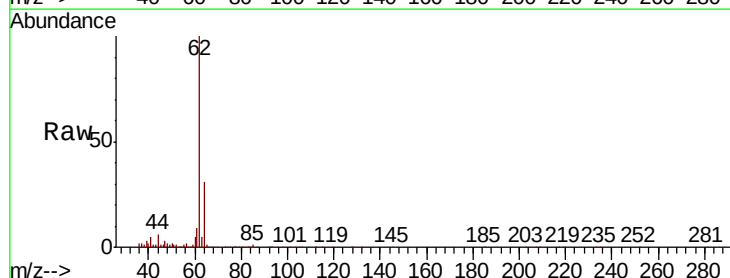
Acq: 17 Aug 2018 16:46

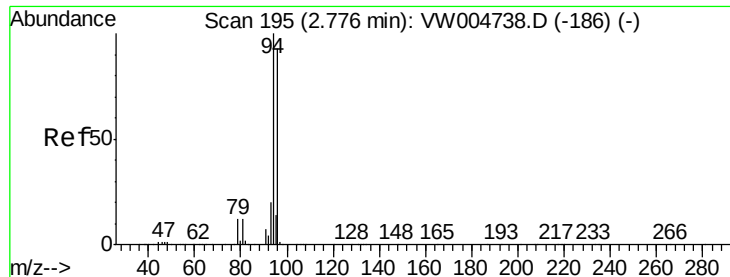
Tgt Ion: 62 Resp: 178574

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8





#5

Bromomethane

Concen: 20.489 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

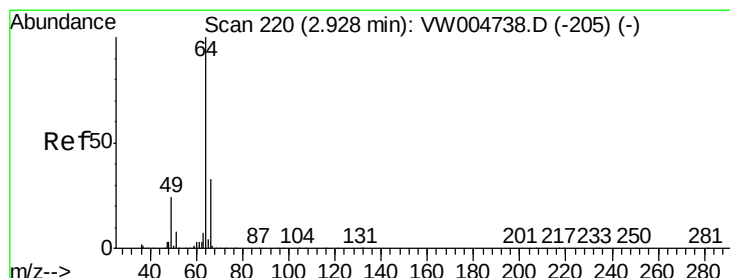
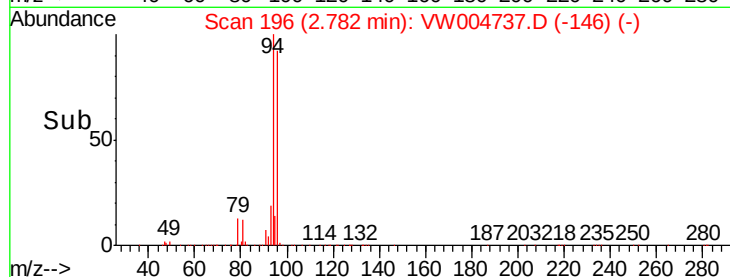
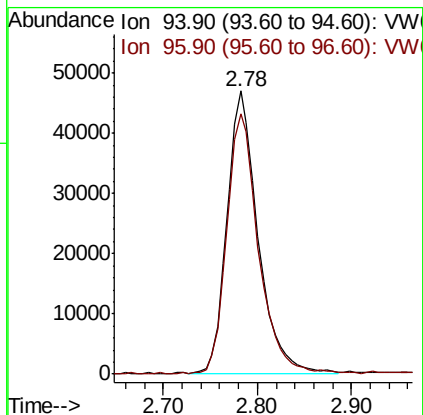
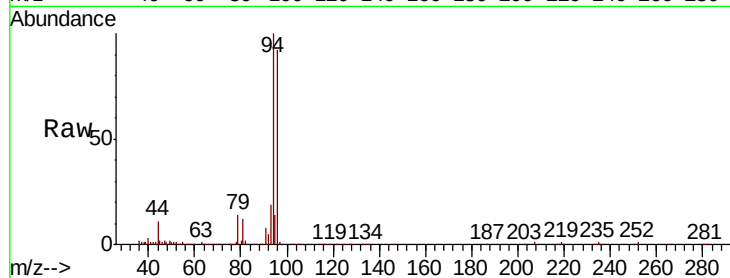
VSTDIC020

Tgt Ion: 94 Resp: 107241

Ion Ratio Lower Upper

94 100

96 92.1 74.3 111.5



#6

Chloroethane

Concen: 20.894 ug/l

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004737.D

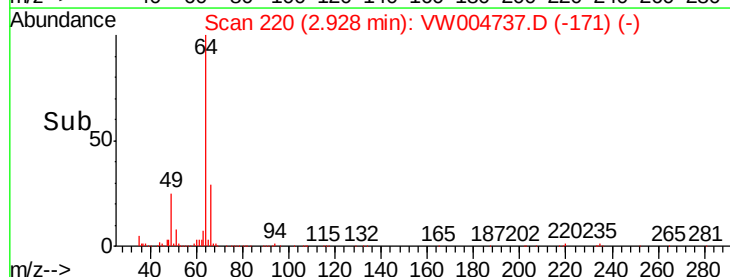
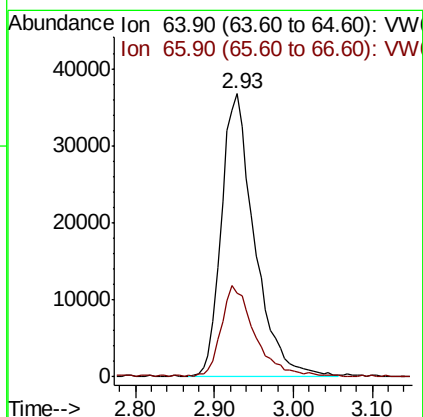
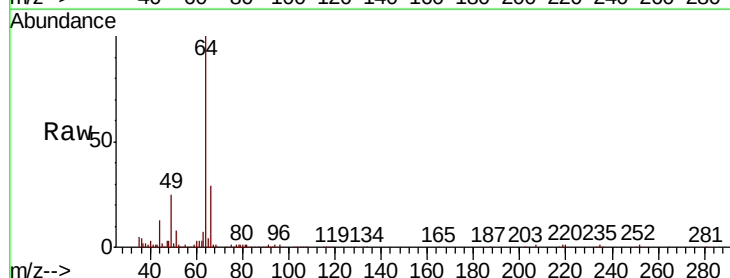
Acq: 17 Aug 2018 16:46

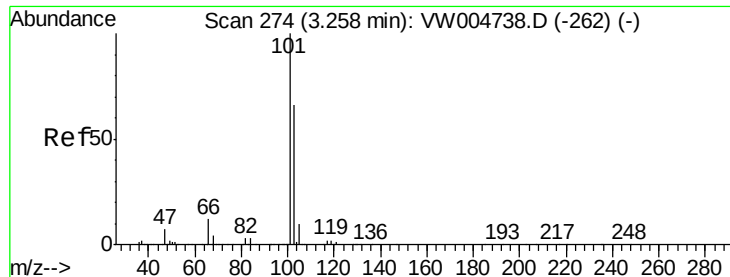
Tgt Ion: 64 Resp: 106845

Ion Ratio Lower Upper

64 100

66 29.1 26.1 39.1



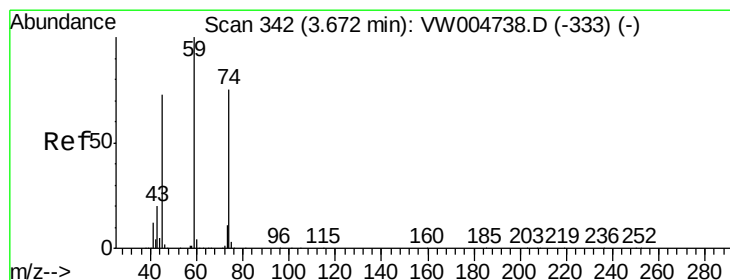
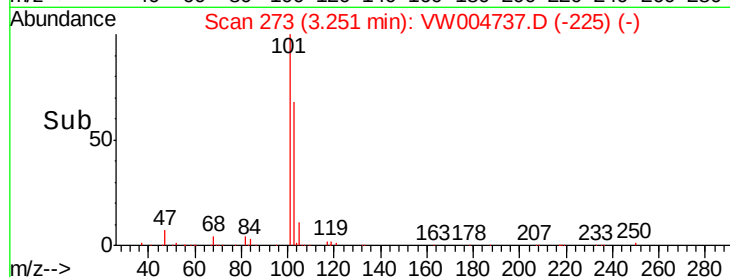
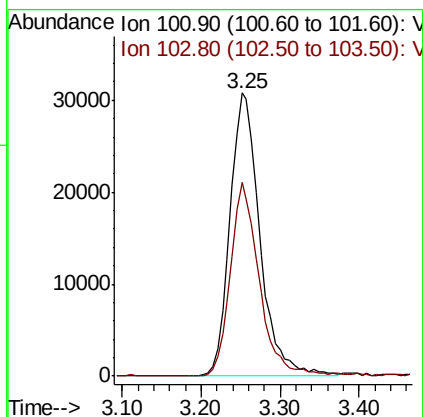
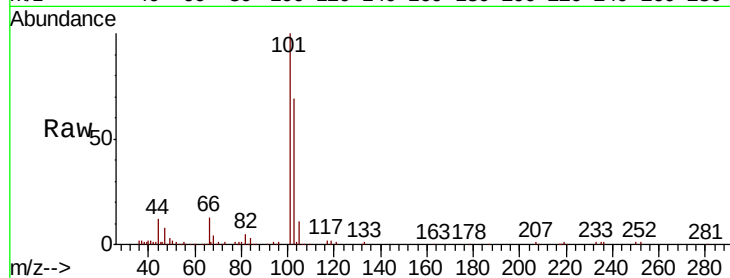


#7

Trichlorofluoromethane
Concen: 20.378 ug/l
RT: 3.25 min Scan# 273
Delta R.T. -0.01 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
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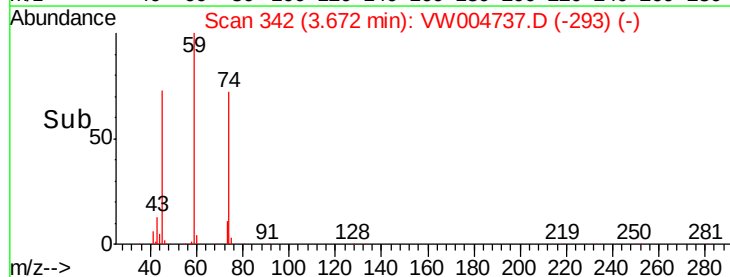
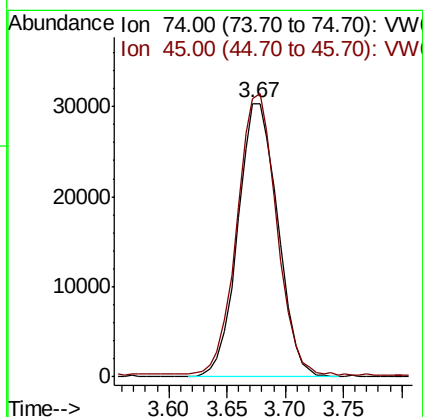
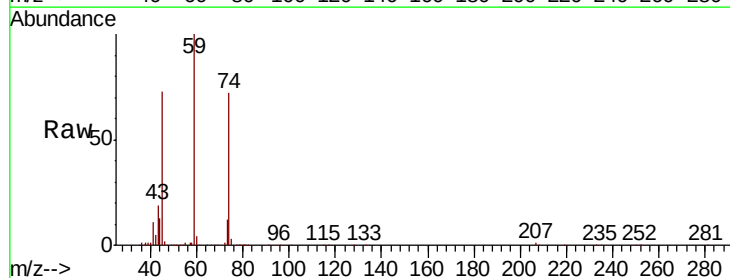
Tgt Ion:101 Resp: 81359
Ion Ratio Lower Upper
101 100
103 68.6 52.5 78.7

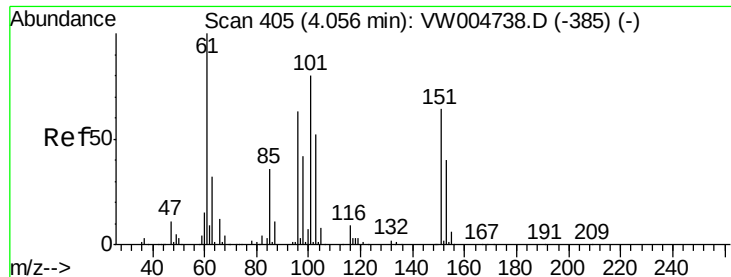


#8

Diethyl Ether
Concen: 20.084 ug/l
RT: 3.67 min Scan# 342
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion: 74 Resp: 72501
Ion Ratio Lower Upper
74 100
45 102.7 49.8 149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.866 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

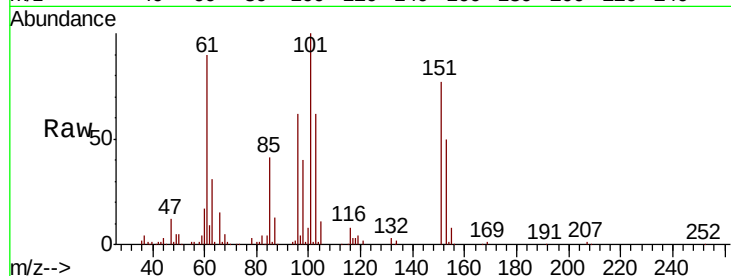
Tgt Ion:101 Resp: 143455

Ion Ratio Lower Upper

101 100

85 42.4 33.9 50.9

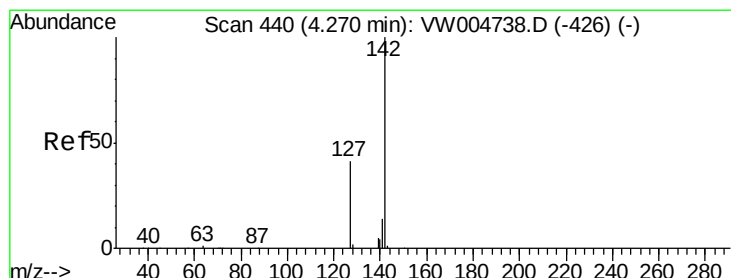
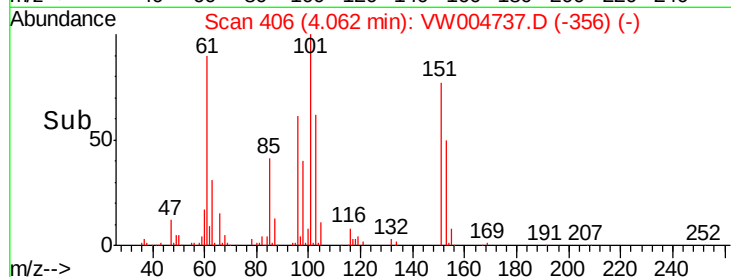
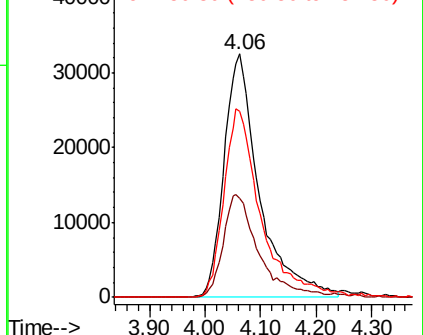
151 80.7 63.4 95.2



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: 20.597 ug/l

RT: 4.27 min Scan# 440

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

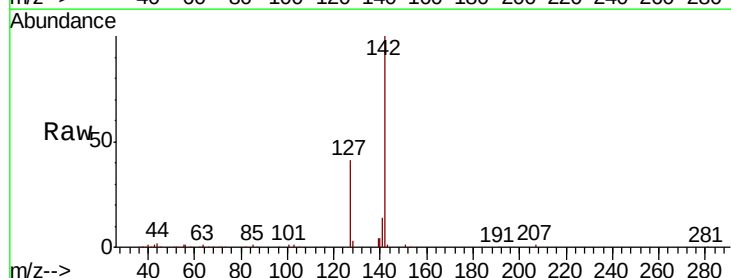
Tgt Ion:142 Resp: 215057

Ion Ratio Lower Upper

142 100

127 40.2 32.1 48.1

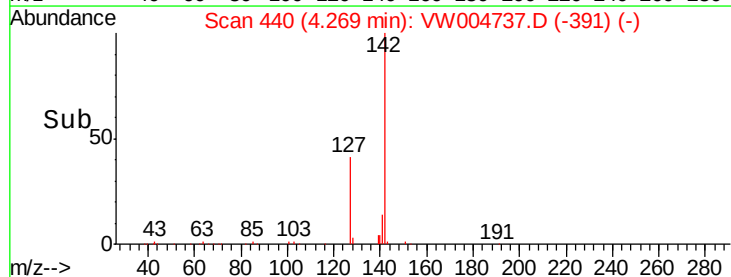
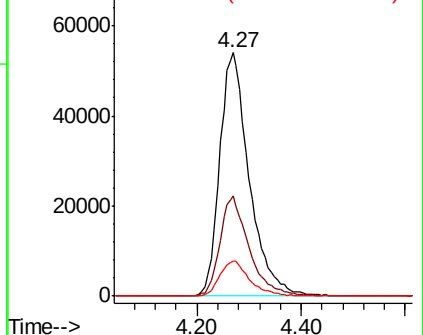
141 14.4 11.7 17.5

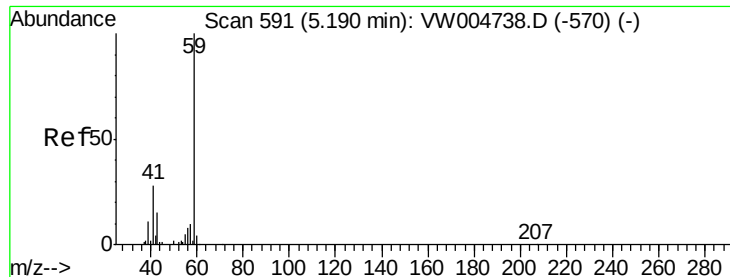


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

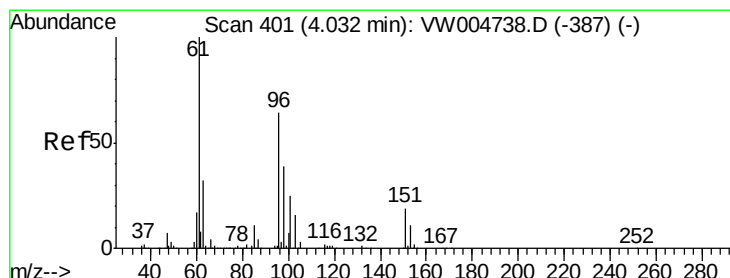
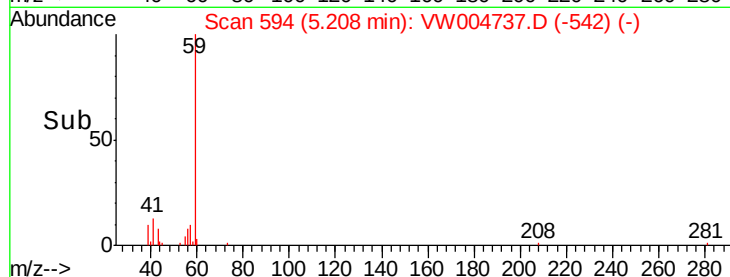
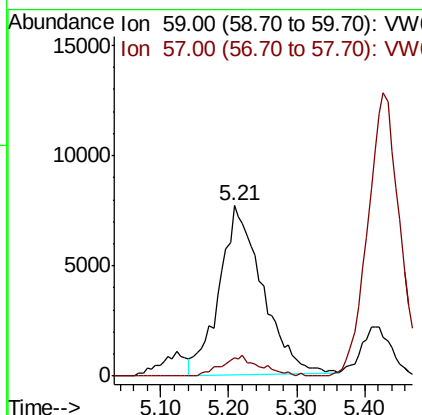
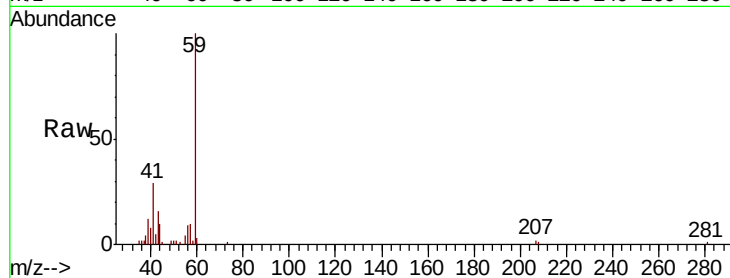




#11
 Tert butyl alcohol
 Concen: 92.871 ug/l
 RT: 5.21 min Scan# 594
 Delta R.T. 0.02 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

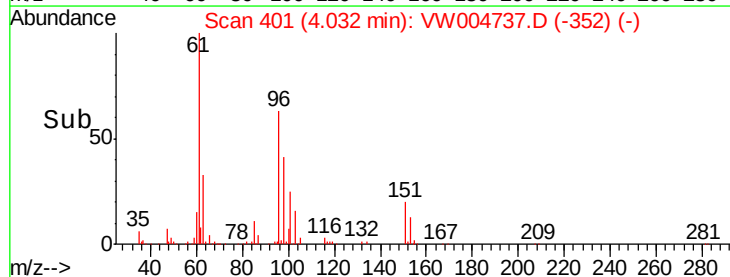
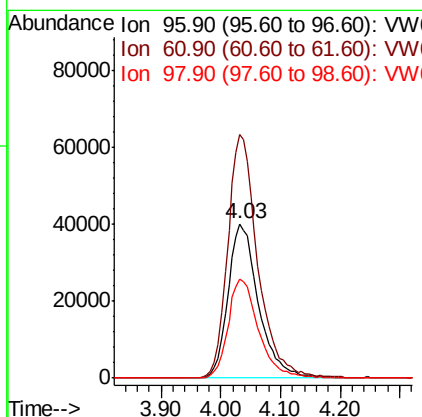
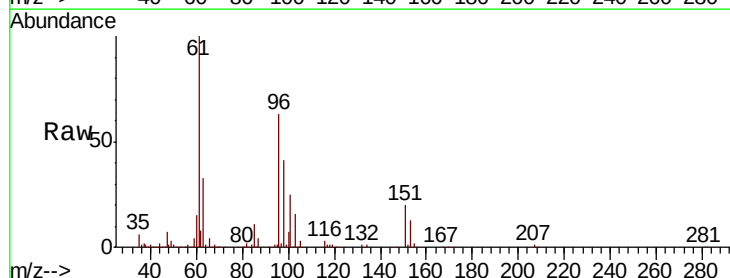
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

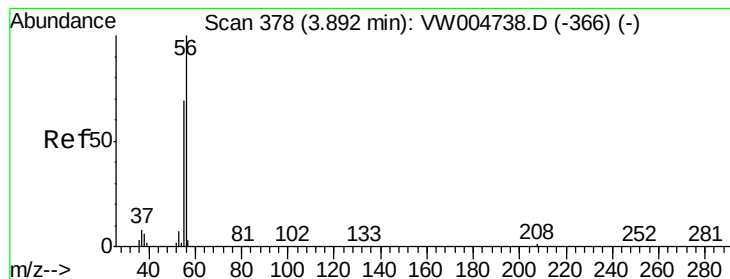
Tgt Ion: 59 Resp: 33611
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.4 12.6



#12
 1,1-Dichloroethene
 Concen: 20.666 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion: 96 Resp: 141587
 Ion Ratio Lower Upper
 96 100
 61 158.4 125.6 188.4
 98 64.4 49.4 74.0





#13

Acrolein

Concen: 105.381 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

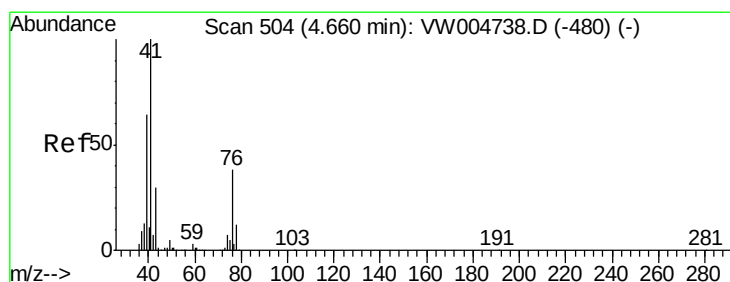
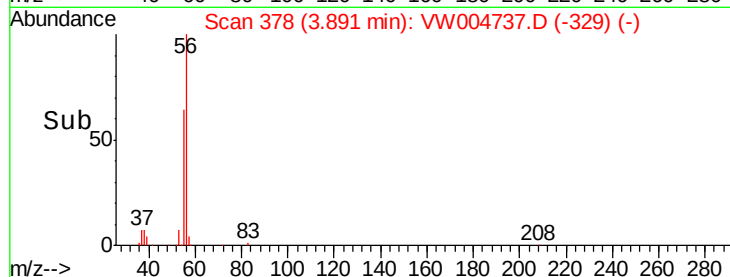
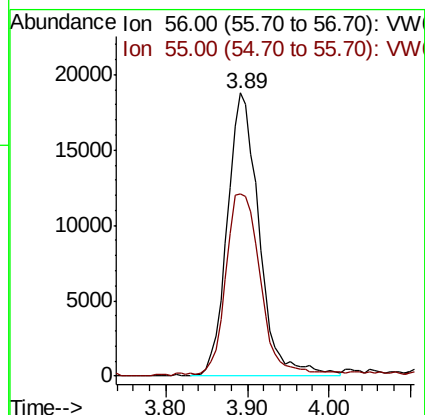
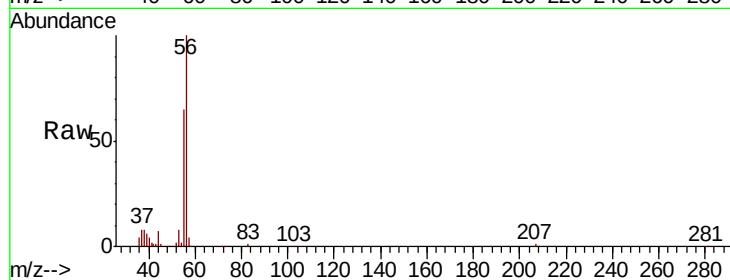
VSTDIC020

Tgt Ion: 56 Resp: 50780

Ion Ratio Lower Upper

56 100

55 67.4 56.1 84.1



#14

Allyl chloride

Concen: 19.986 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

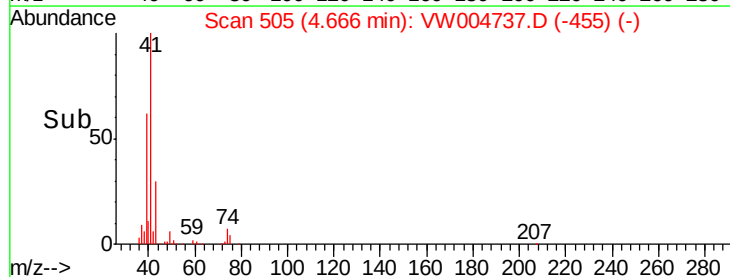
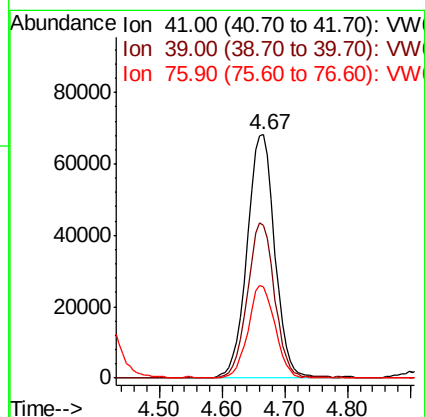
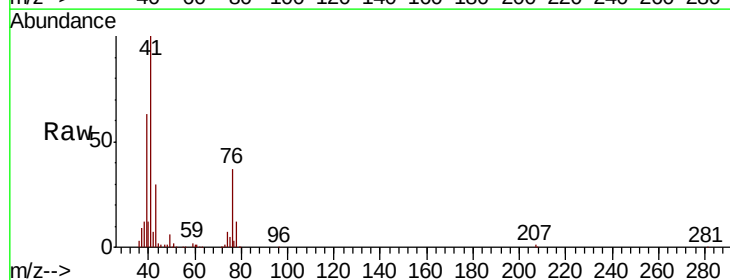
Tgt Ion: 41 Resp: 207791

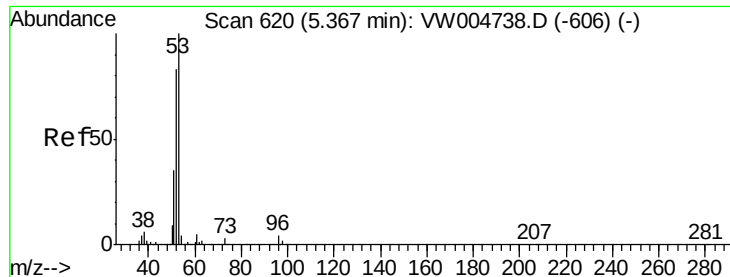
Ion Ratio Lower Upper

41 100

39 62.5 50.0 75.0

76 37.2 29.8 44.6





#15

Acrylonitrile

Concen: 97.740 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

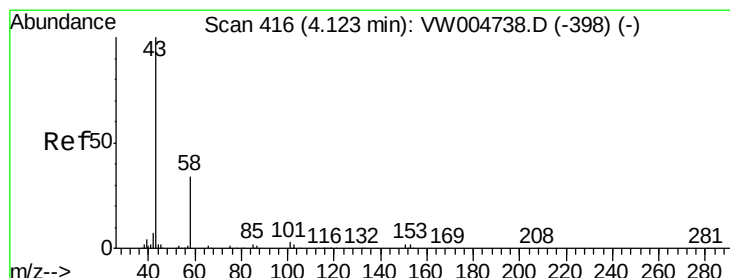
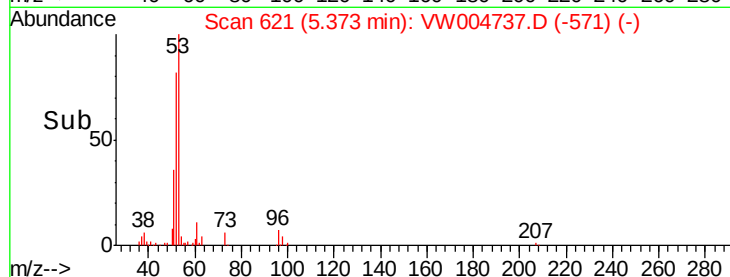
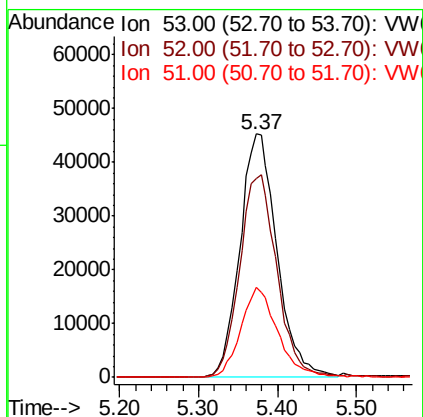
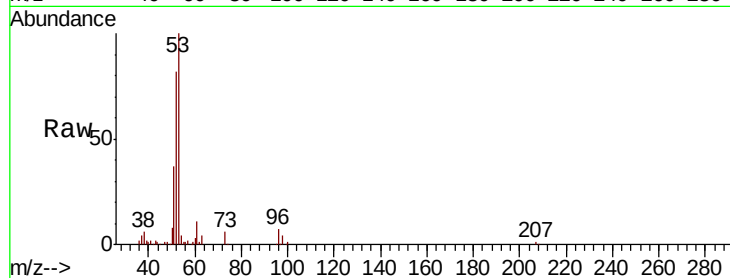
MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 53 Resp: 147967

Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.8	98.6
51	36.6	28.7	43.1



#16

Acetone

Concen: 101.235 ug/l

RT: 4.14 min Scan# 418

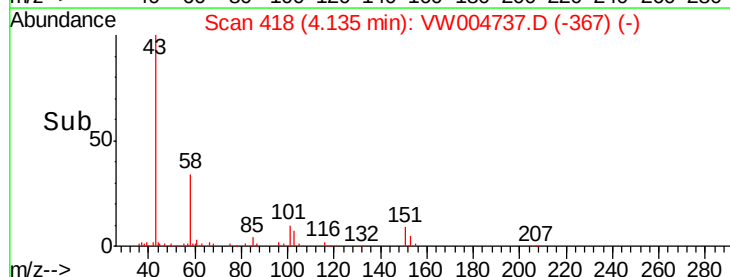
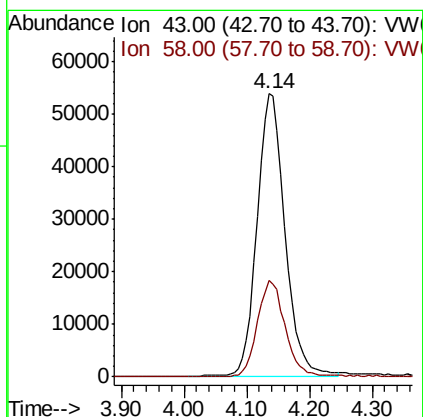
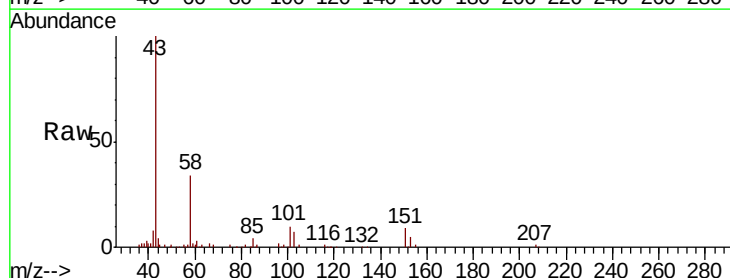
Delta R.T. 0.01 min

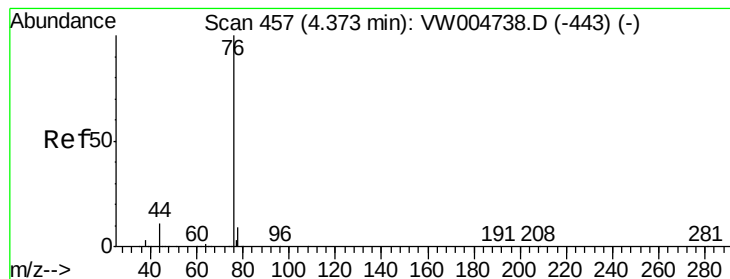
Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Tgt Ion: 43 Resp: 166102

Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.3	40.9





#17

Carbon Disulfide

Concen: 20.471 ug/l

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

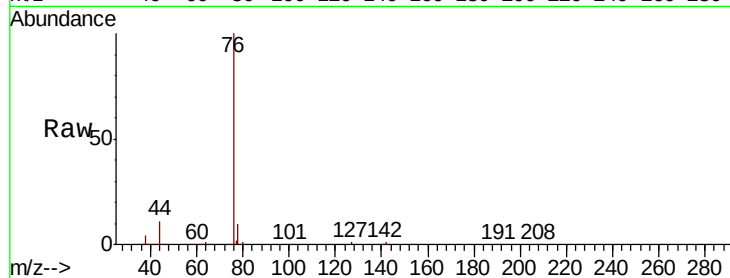
VSTDIC020

Tgt Ion: 76 Resp: 460898

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

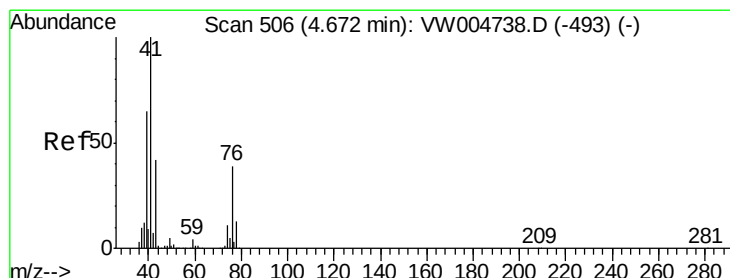
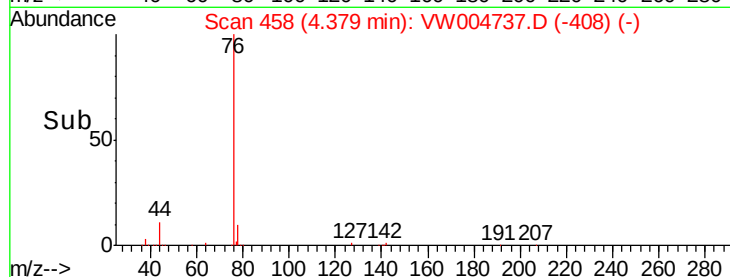
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.685 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: VW004737.D

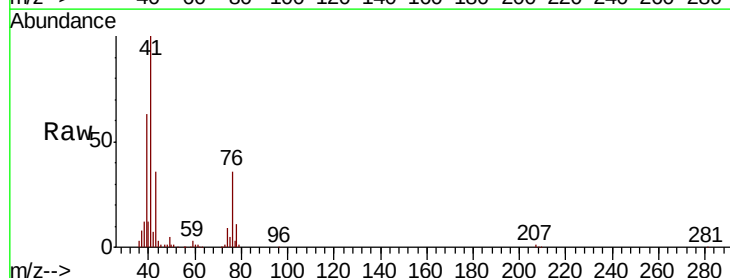
Acq: 17 Aug 2018 16:46

Tgt Ion: 43 Resp: 69214

Ion Ratio Lower Upper

43 100

74 24.1 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

25000

20000

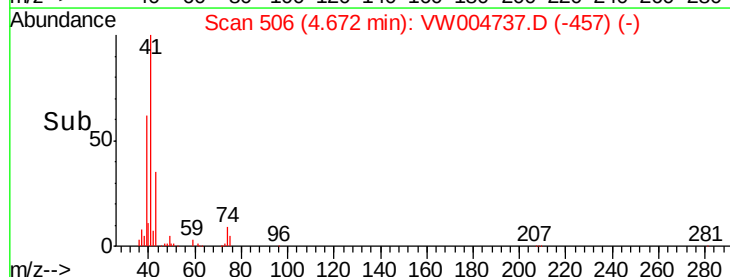
15000

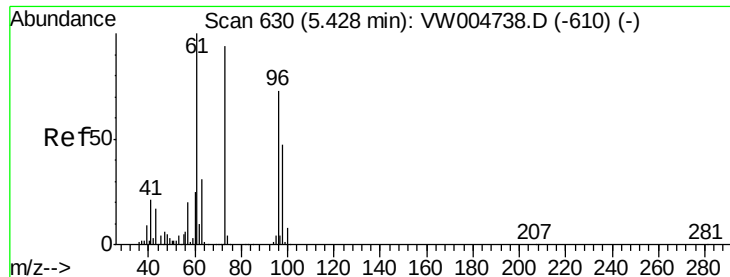
10000

5000

0

Time-->



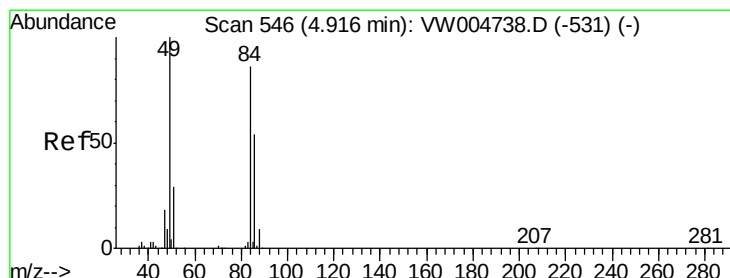
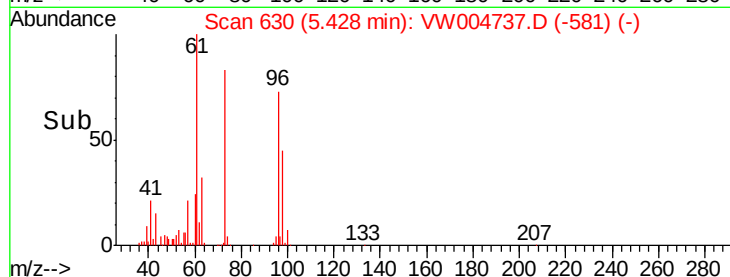
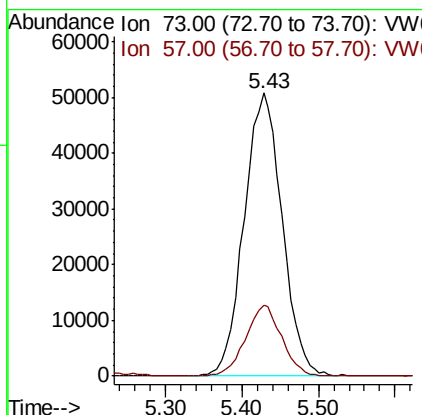
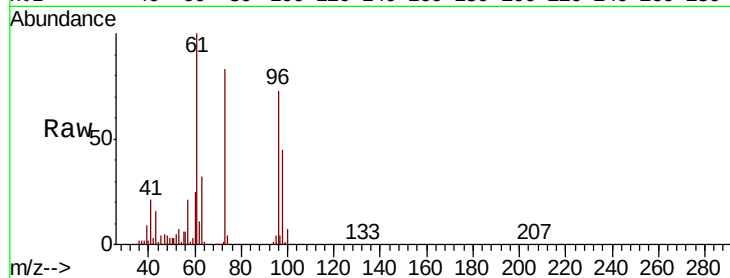


#19

Methyl tert-butyl Ether
 Concen: 19.779 ug/l
 RT: 5.43 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

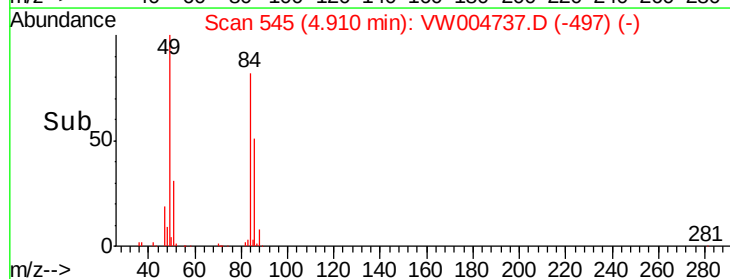
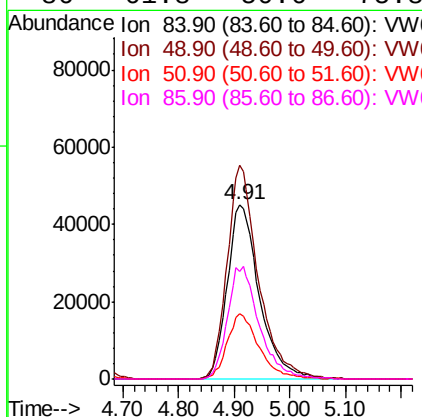
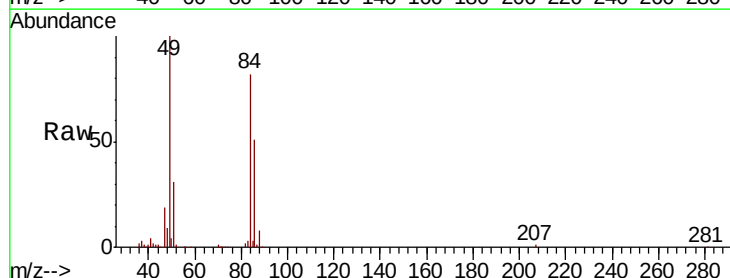
Tgt Ion: 73 Resp: 175899
 Ion Ratio Lower Upper
 73 100
 57 25.3 17.3 25.9

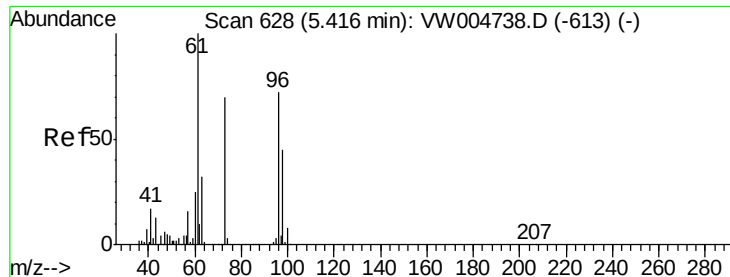


#20

Methylene Chloride
 Concen: 20.128 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion: 84 Resp: 180241
 Ion Ratio Lower Upper
 84 100
 49 122.4 93.2 139.8
 51 37.7 27.4 41.0
 86 61.8 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 20.519 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

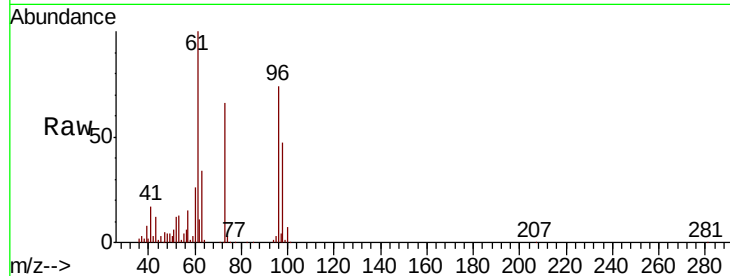
Tgt Ion: 96 Resp: 149575

Ion Ratio Lower Upper

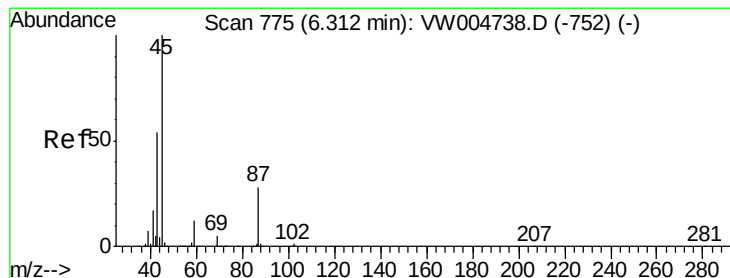
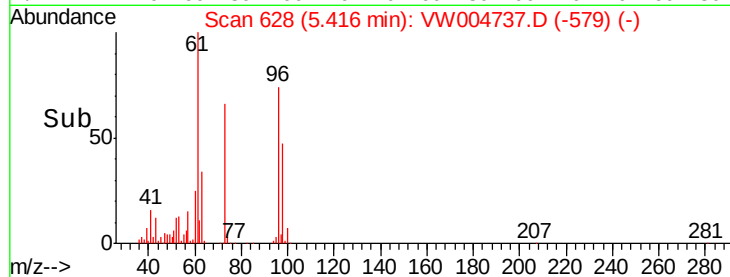
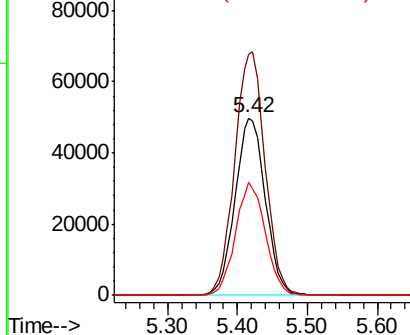
96 100

61 135.8 111.4 167.0

98 63.7 49.7 74.5



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: 20.796 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Tgt Ion: 45 Resp: 415586

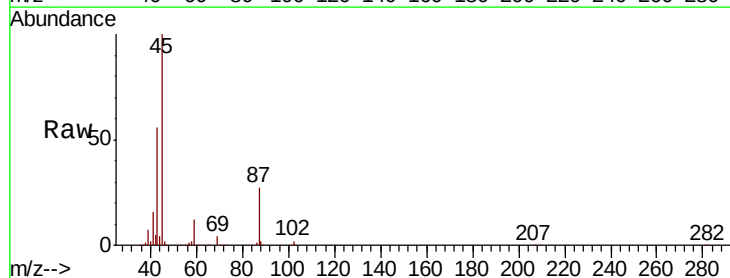
Ion Ratio Lower Upper

45 100

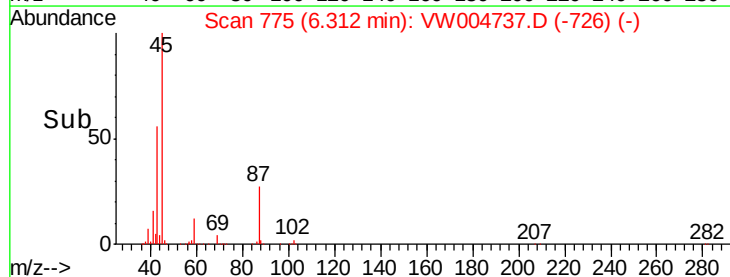
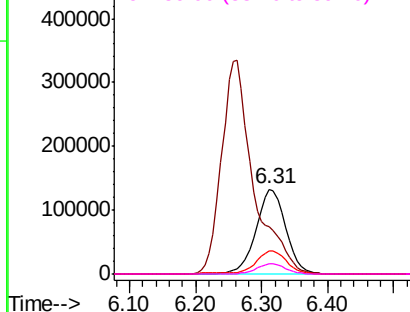
43 55.4 43.0 64.6

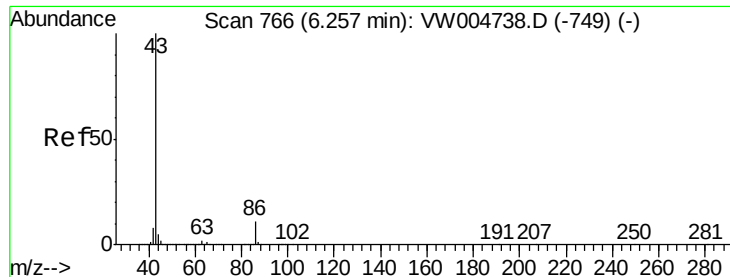
87 27.2 22.2 33.4

59 11.8 9.8 14.6



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

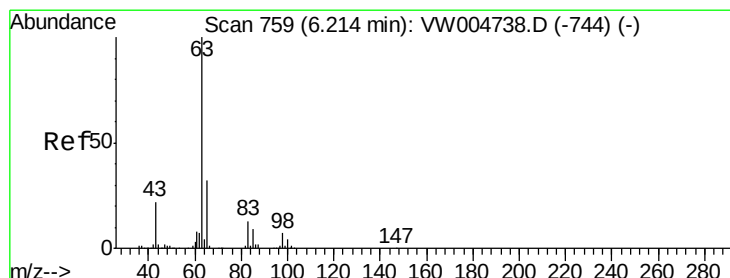
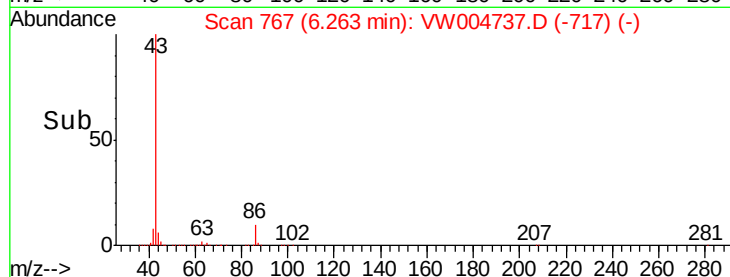
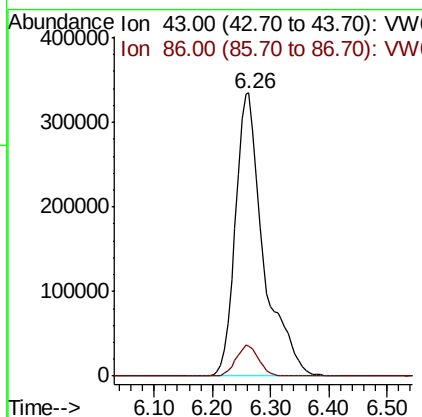
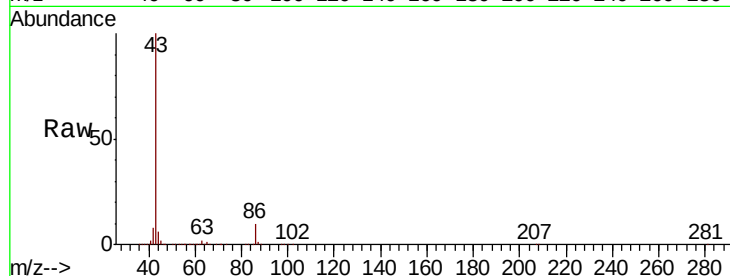




#23
 Vinyl Acetate
 Concen: 99.035 ug/l
 RT: 6.26 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

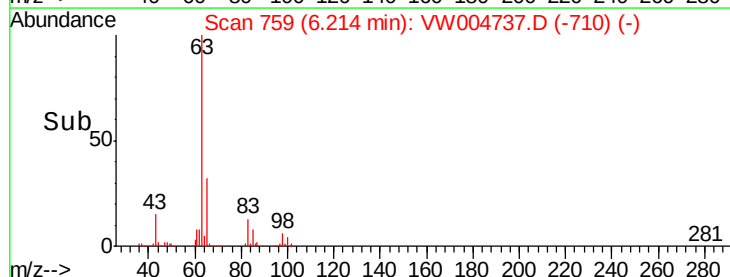
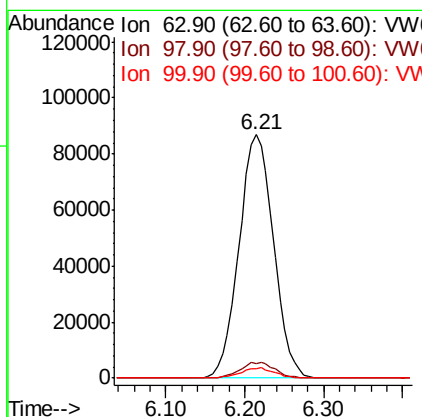
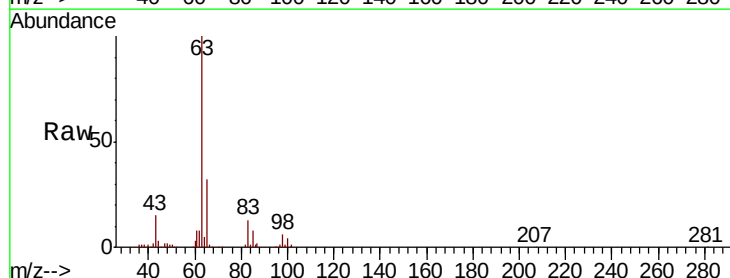
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

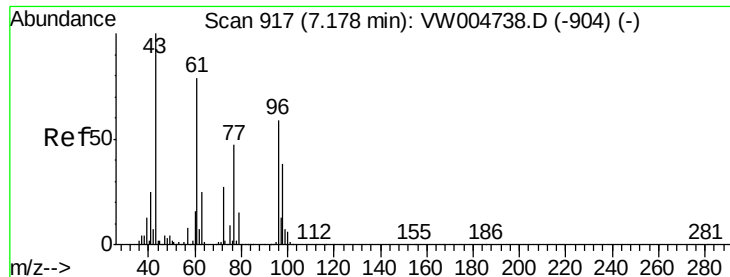
Tgt Ion: 43 Resp: 1119425
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 20.324 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion: 63 Resp: 263935
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.5 10.4
 100 3.9 2.1 6.3





#25

2-Butanone

Concen: 98.678 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

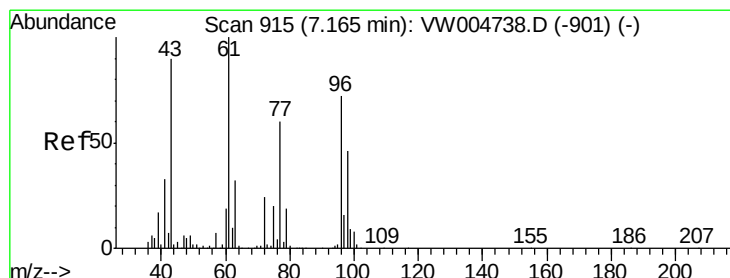
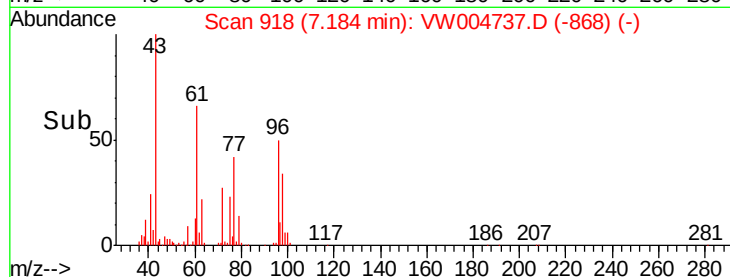
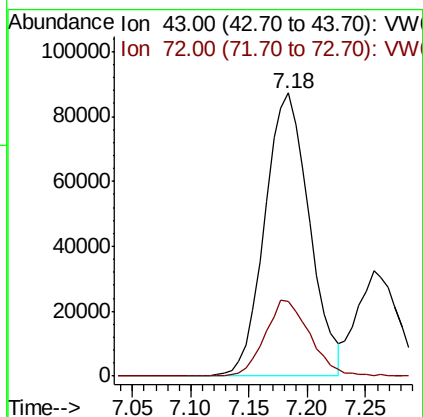
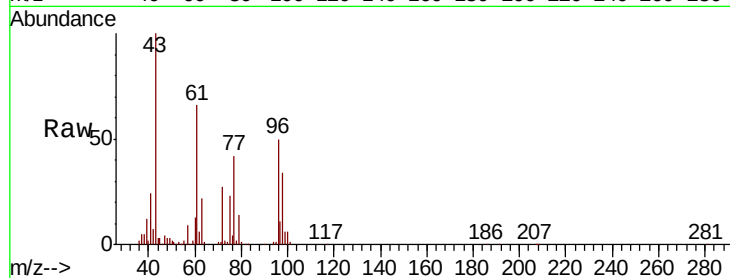
VSTDIC020

Tgt Ion: 43 Resp: 230687

Ion Ratio Lower Upper

43 100

72 26.6 22.0 33.0



#26

2,2-Dichloropropane

Concen: 20.397 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW004737.D

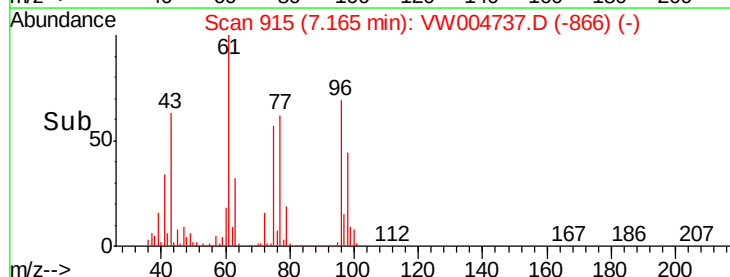
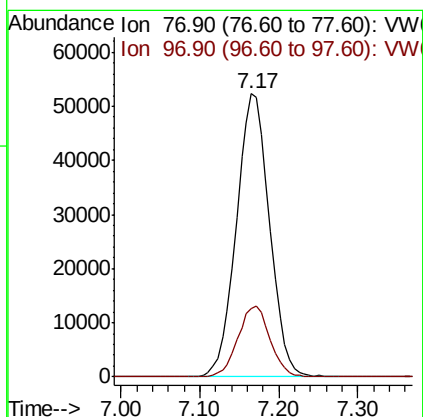
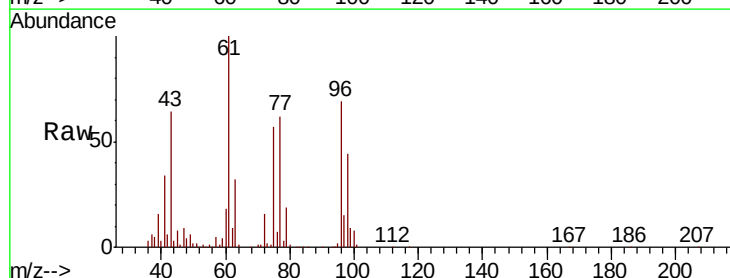
Acq: 17 Aug 2018 16:46

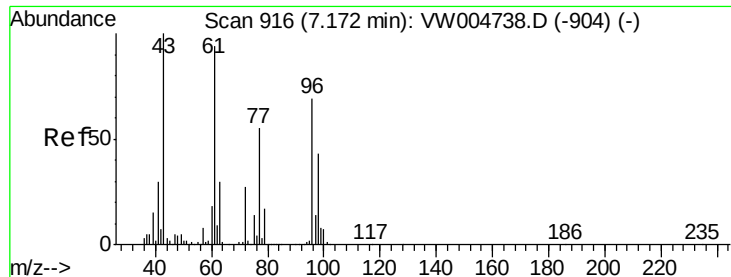
Tgt Ion: 77 Resp: 152993

Ion Ratio Lower Upper

77 100

97 24.1 12.6 37.8



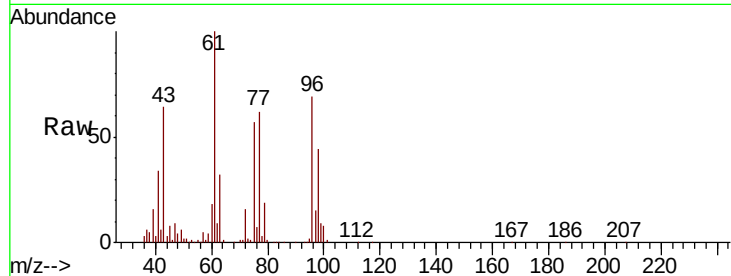


#27

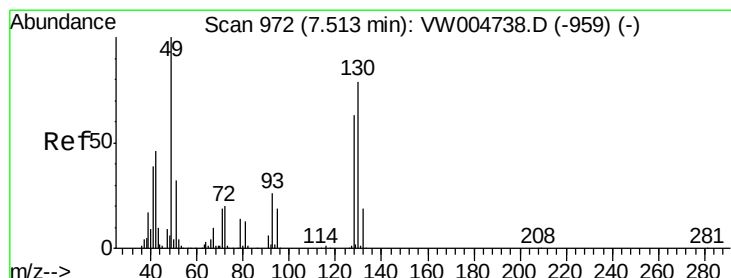
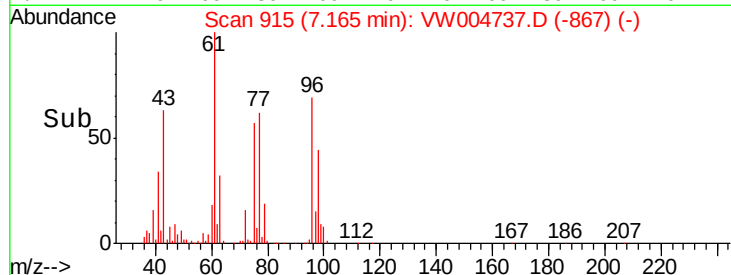
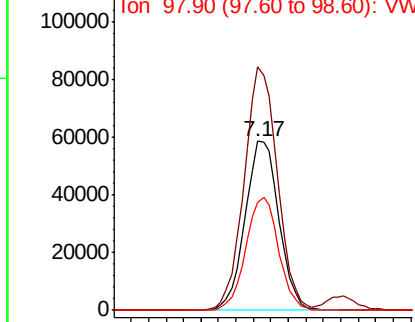
cis-1,2-Dichloroethene
Concen: 19.988 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 156857
Ion Ratio Lower Upper
96 100
61 141.5 0.0 277.6
98 64.9 0.0 127.4



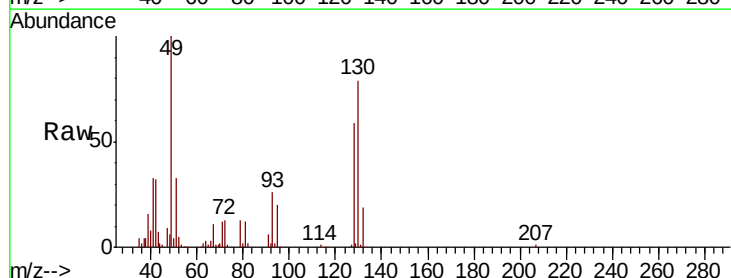
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



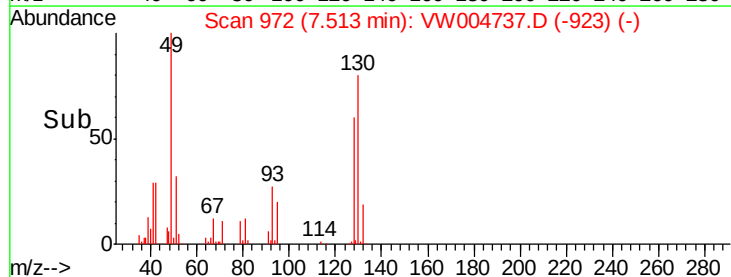
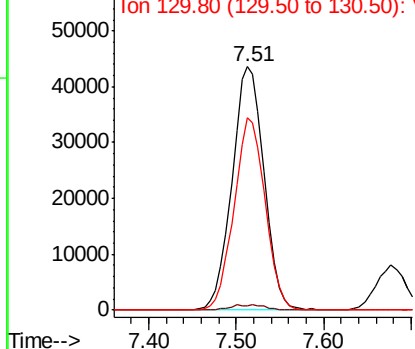
#28

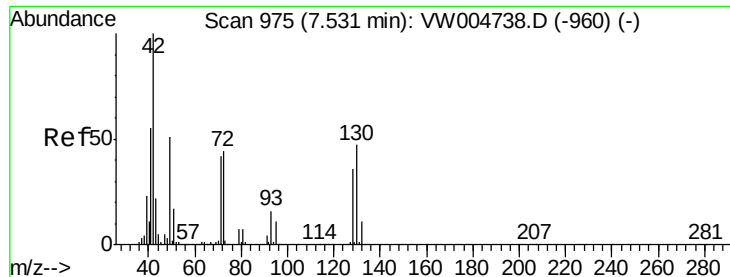
Bromochloromethane
Concen: 20.210 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion: 49 Resp: 110522
Ion Ratio Lower Upper
49 100
129 1.2 0.0 4.4
130 76.9 63.7 95.5



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





#29

Tetrahydrofuran

Concen: 96.176 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

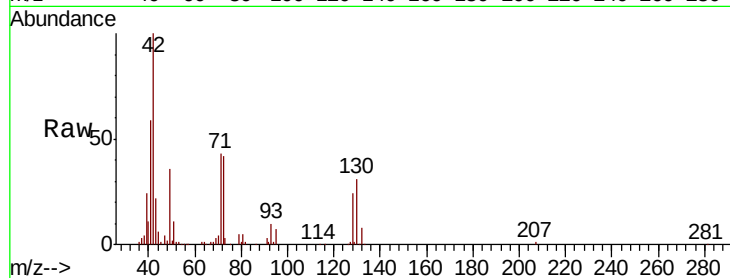
Tgt Ion: 42 Resp: 114650

Ion Ratio Lower Upper

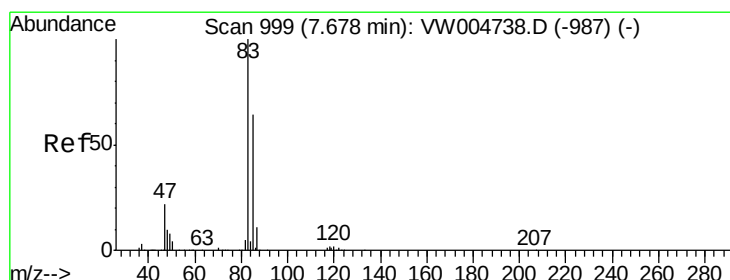
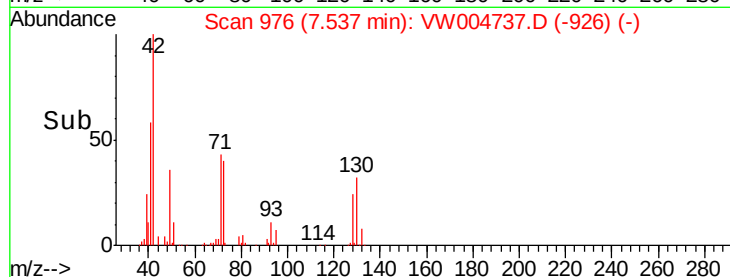
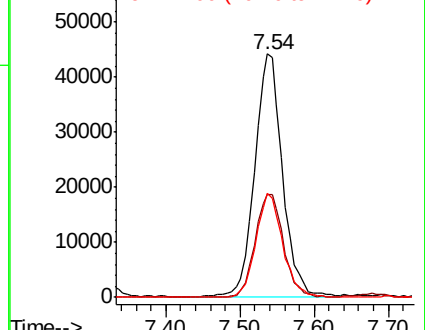
42 100

72 43.5 34.9 52.3

71 41.7 33.8 50.6



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



#30

Chloroform

Concen: 20.292 ug/l

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004737.D

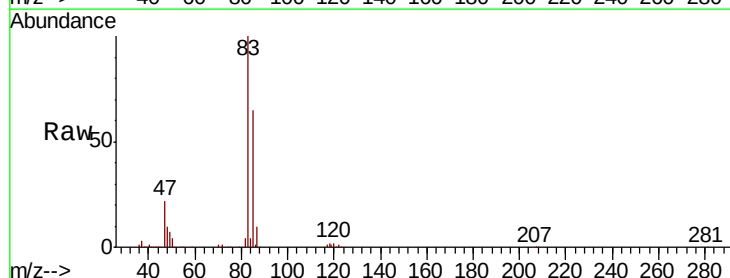
Acq: 17 Aug 2018 16:46

Tgt Ion: 83 Resp: 259163

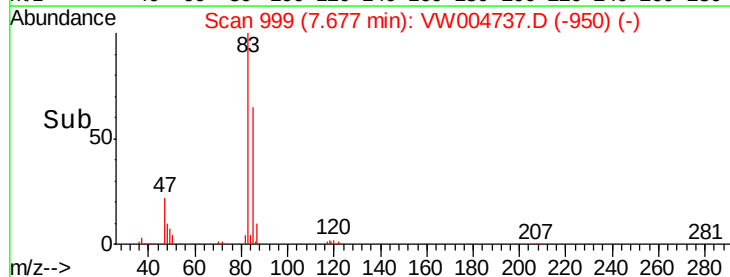
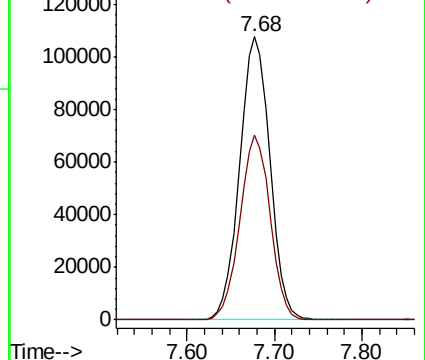
Ion Ratio Lower Upper

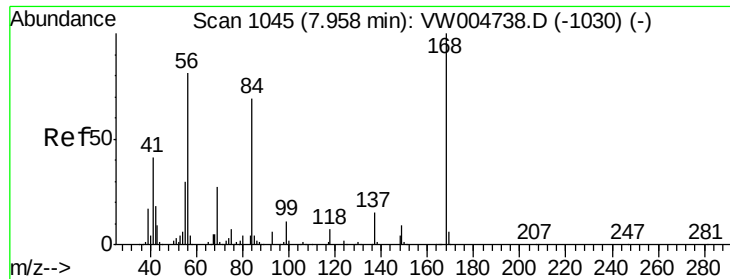
83 100

85 65.1 51.0 76.6



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

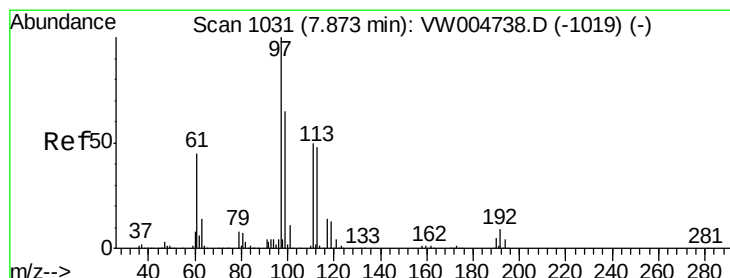
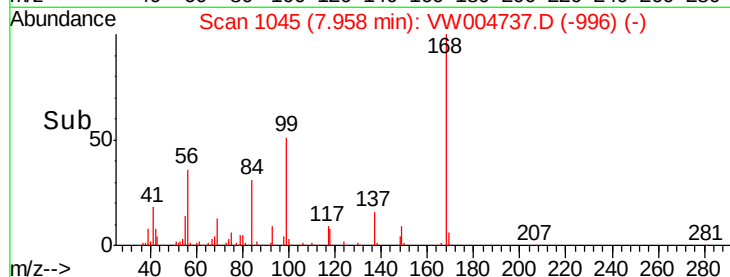
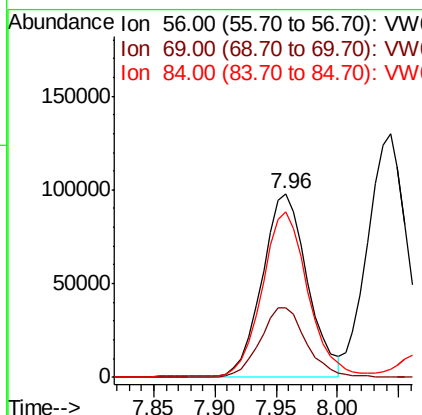
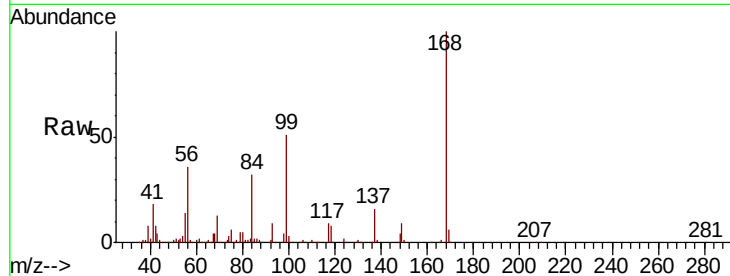




#31
Cyclohexane
Concen: 20.171 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

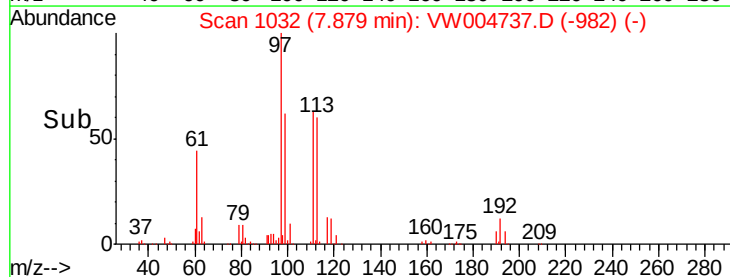
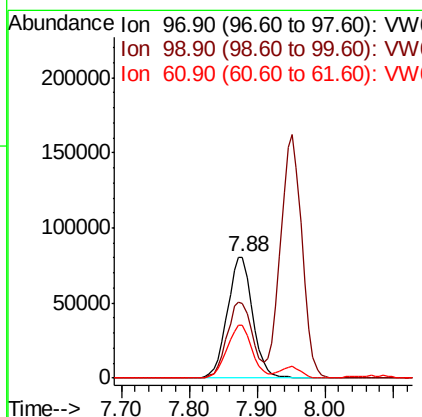
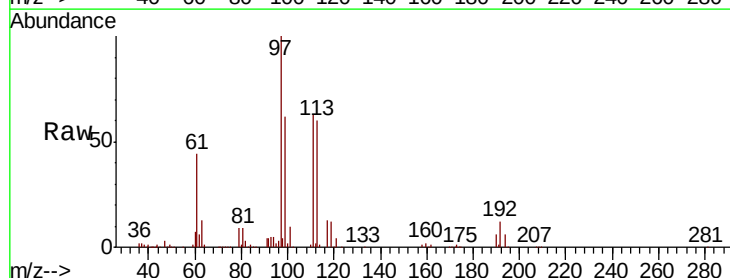
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

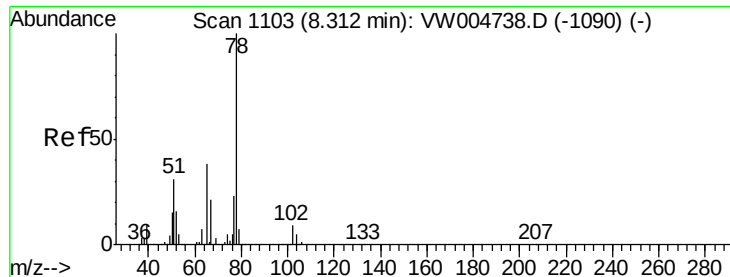
Tgt Ion: 56 Resp: 253370
Ion Ratio Lower Upper
56 100
69 37.8 27.1 40.7
84 88.7 68.3 102.5



#32
1,1,1-Trichloroethane
Concen: 20.506 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion: 97 Resp: 207603
Ion Ratio Lower Upper
97 100
99 63.3 51.7 77.5
61 43.5 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 19.806 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

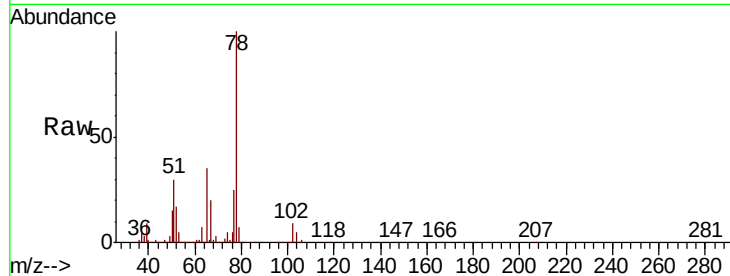
VSTDIC020

Tgt Ion: 65 Resp: 127302

Ion Ratio Lower Upper

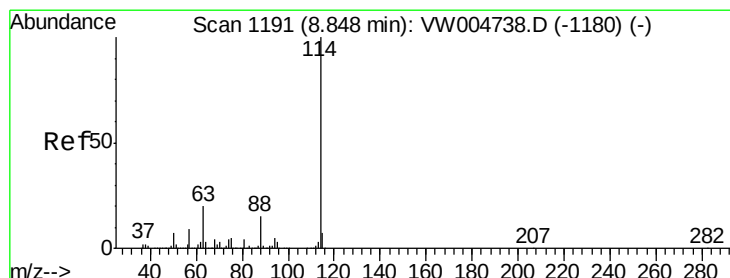
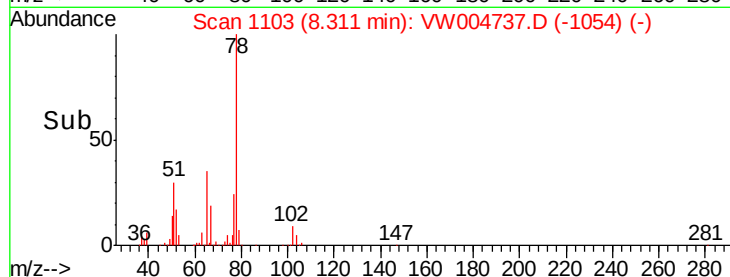
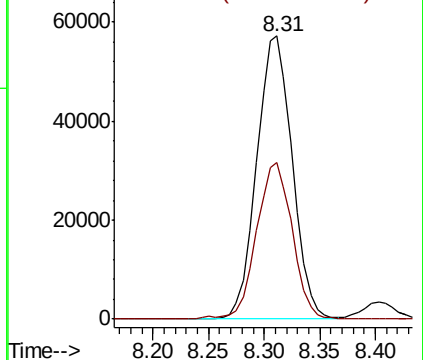
65 100

67 55.2 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

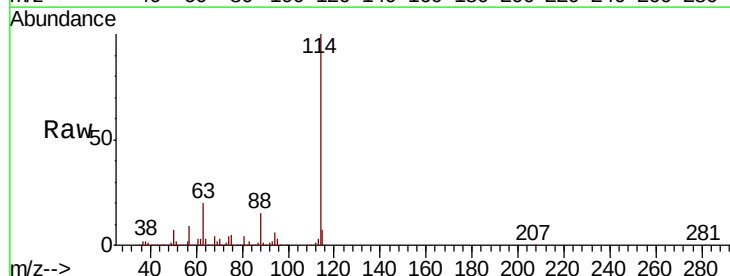
Tgt Ion: 114 Resp: 997189

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

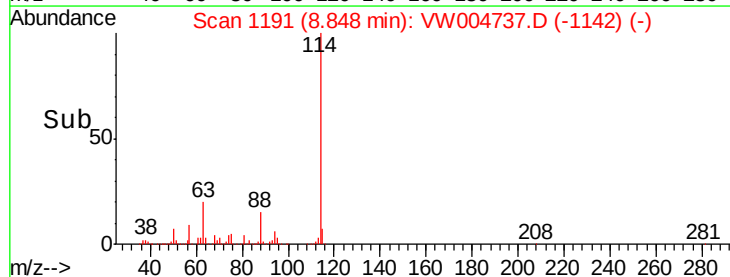
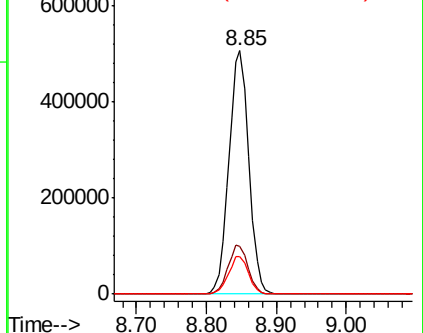
88 15.3 0.0 30.0

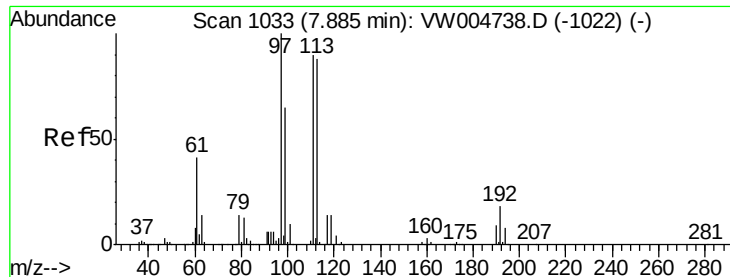


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 20.349 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

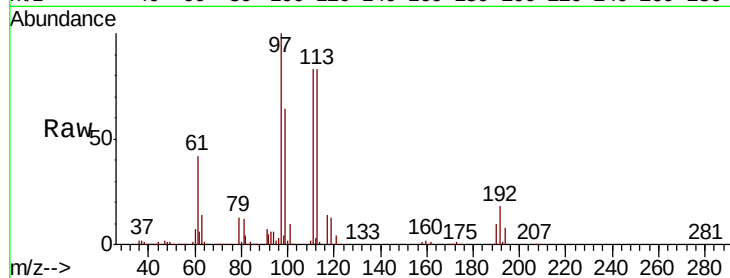
Tgt Ion: 113 Resp: 129691

Ion Ratio Lower Upper

113 100

111 101.4 82.4 123.6

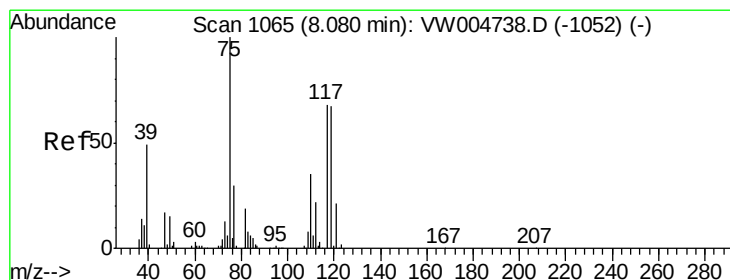
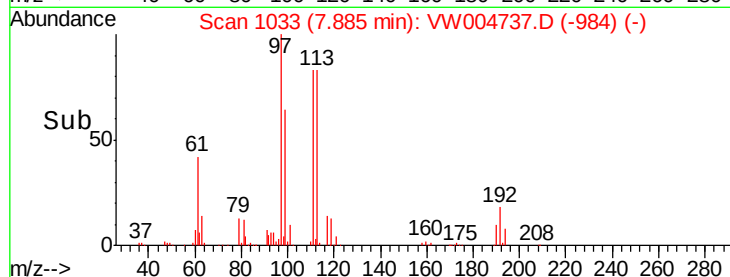
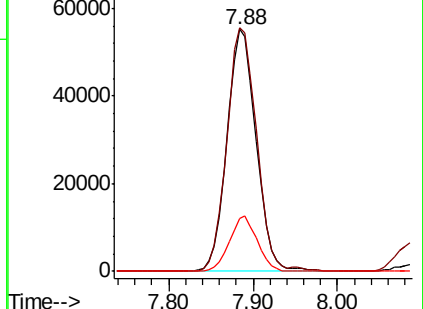
192 21.7 16.7 25.1



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: 20.661 ug/l

RT: 8.09 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

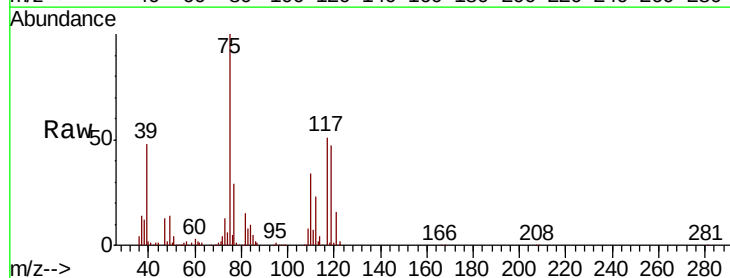
Tgt Ion: 75 Resp: 212248

Ion Ratio Lower Upper

75 100

110 35.3 17.8 53.5

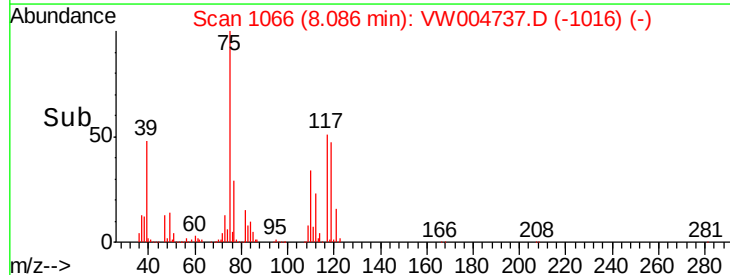
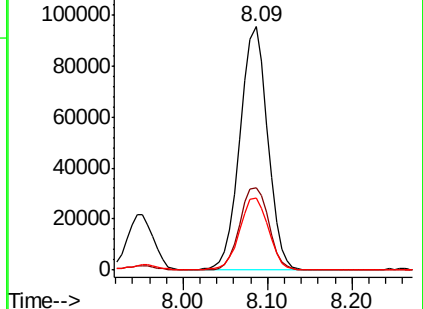
77 30.9 24.9 37.3

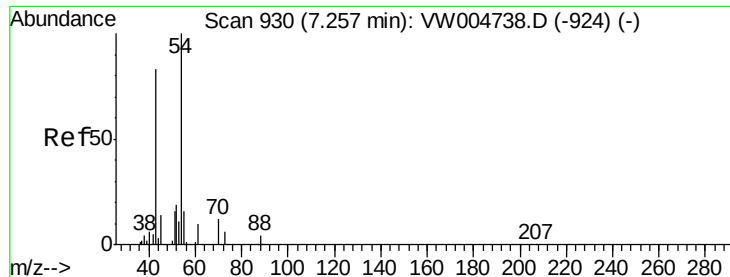


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

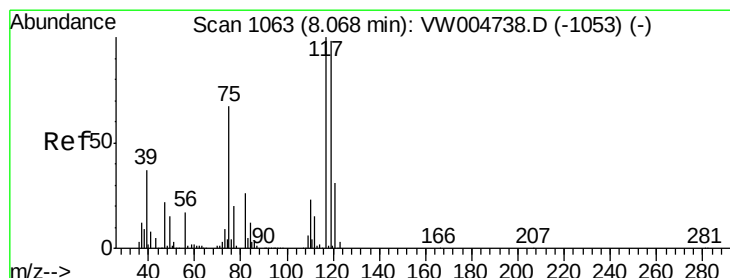
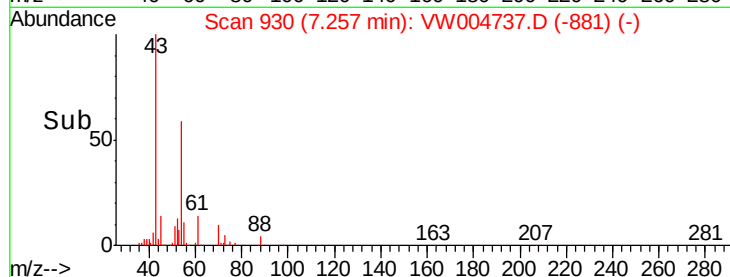
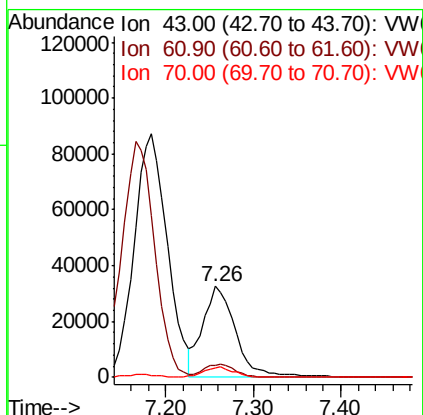
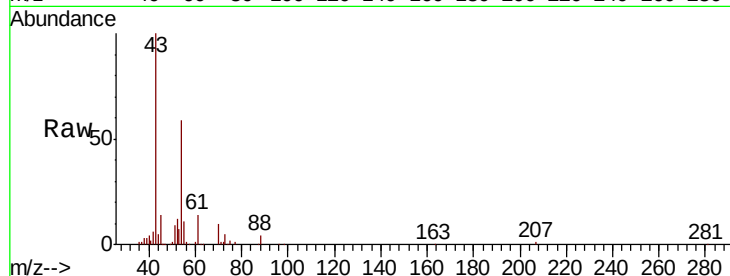




#37
 Ethyl Acetate
 Concen: 20.370 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

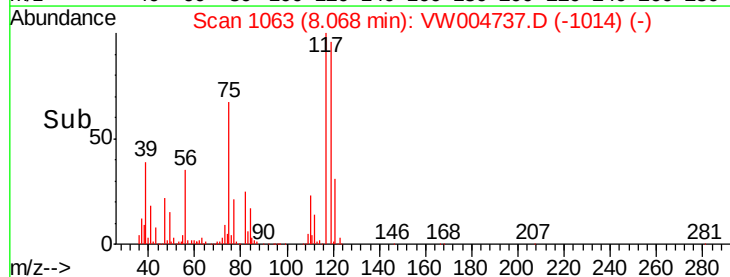
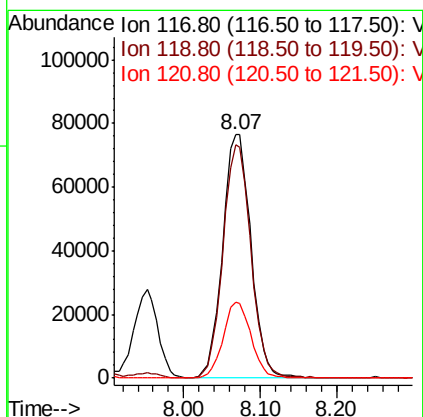
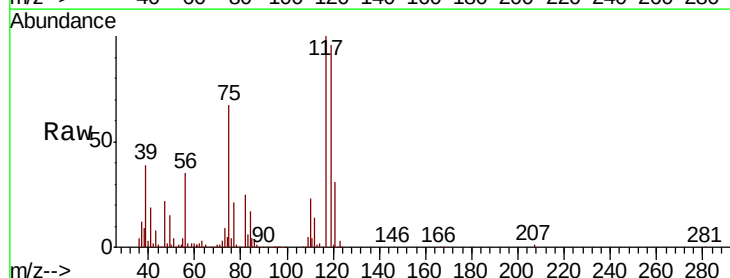
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

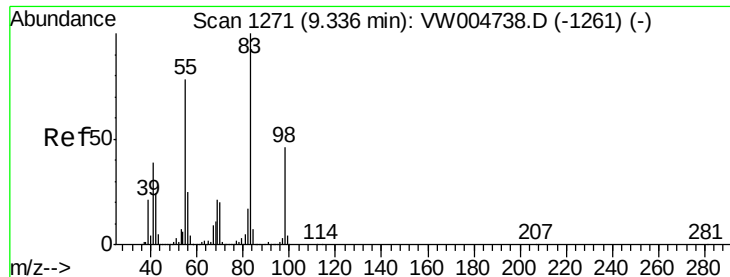
Tgt Ion: 43 Resp: 83414
 Ion Ratio Lower Upper
 43 100
 61 14.7 11.6 17.4
 70 11.0 9.2 13.8



#38
 Carbon Tetrachloride
 Concen: 20.662 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion: 117 Resp: 195385
 Ion Ratio Lower Upper
 117 100
 119 96.1 78.0 117.0
 121 31.0 24.8 37.2

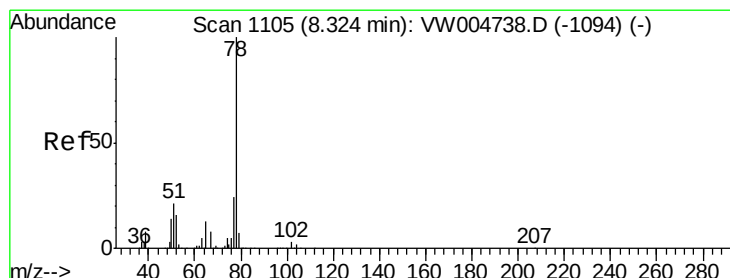
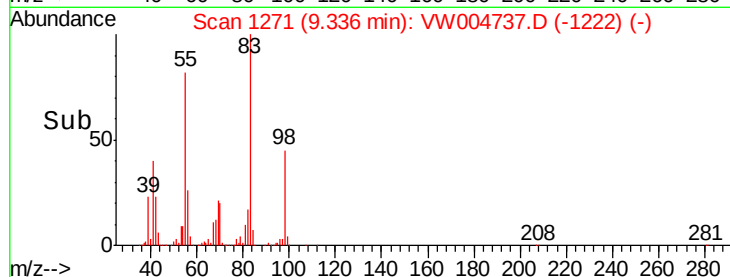
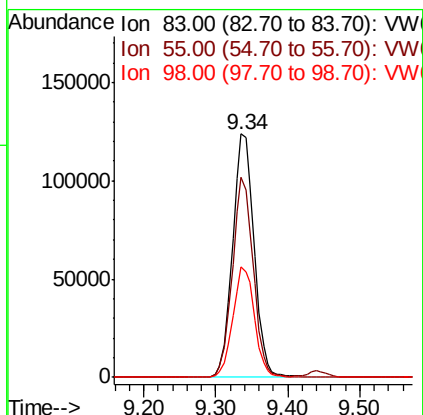
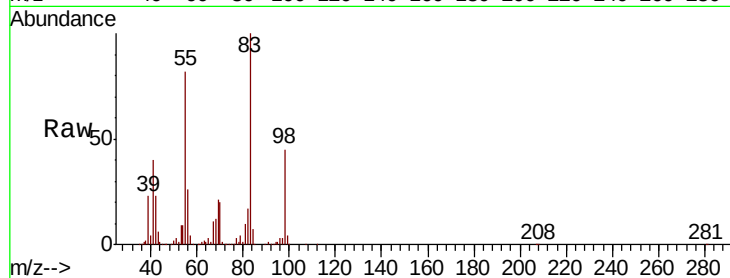




#39
Methylcyclohexane
Concen: 20.118 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

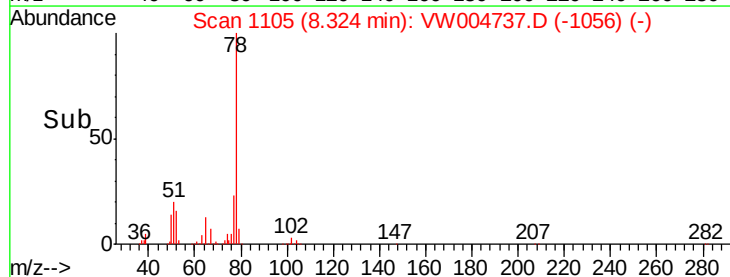
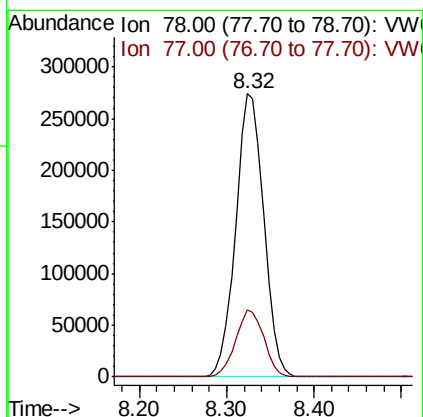
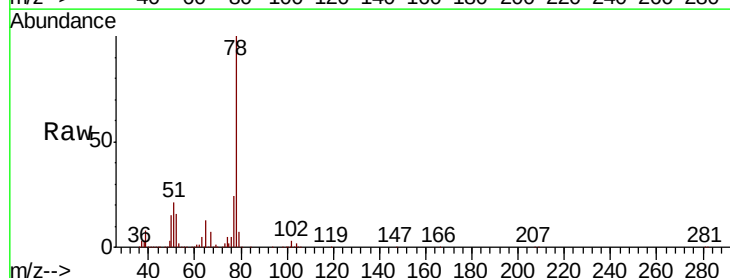
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

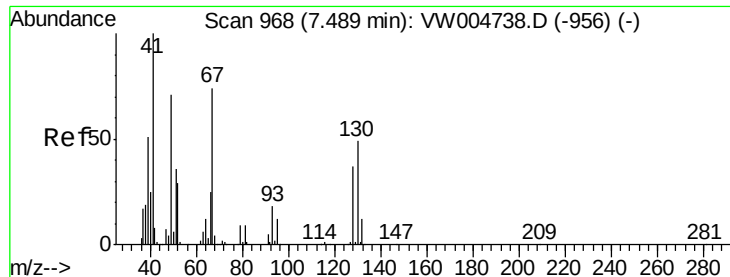
Tgt Ion: 83 Resp: 258460
Ion Ratio Lower Upper
83 100
55 82.1 62.4 93.6
98 45.2 36.5 54.7



#40
Benzene
Concen: 20.493 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion: 78 Resp: 611818
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6

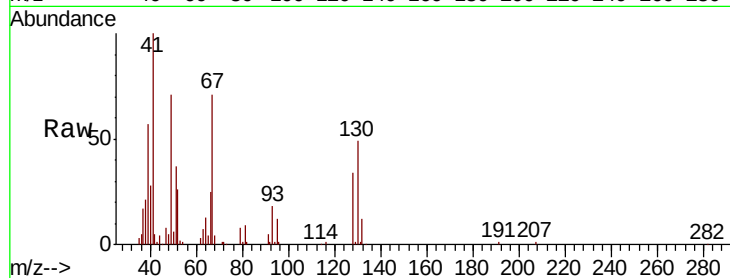




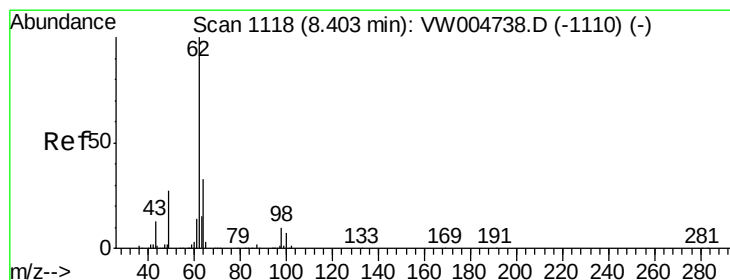
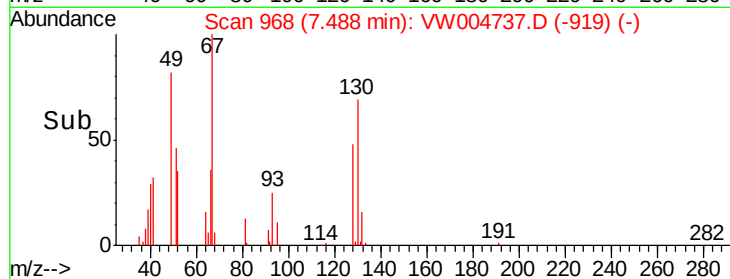
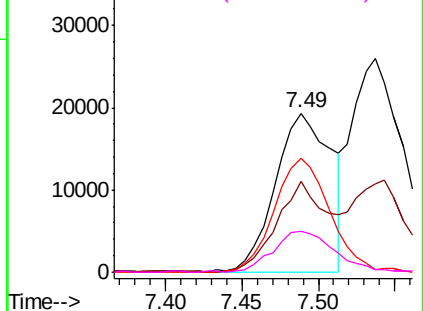
#41
Methacrylonitrile
Concen: 21.042 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	48902
Ion	Ratio	Lower	Upper
41	100		
39	52.2	41.0	61.4
67	71.3	59.5	89.3
52	28.9	23.6	35.4

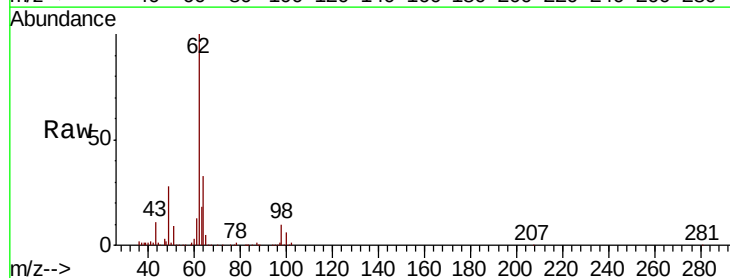


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

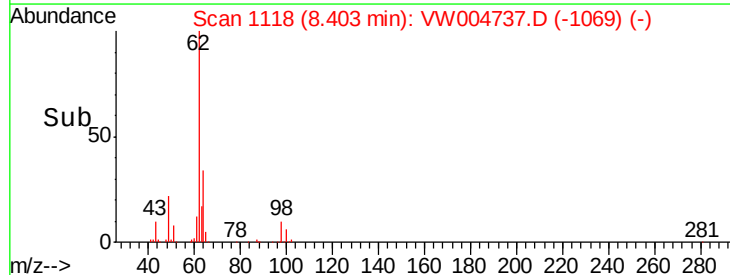
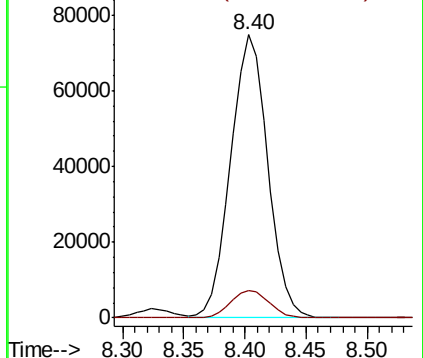


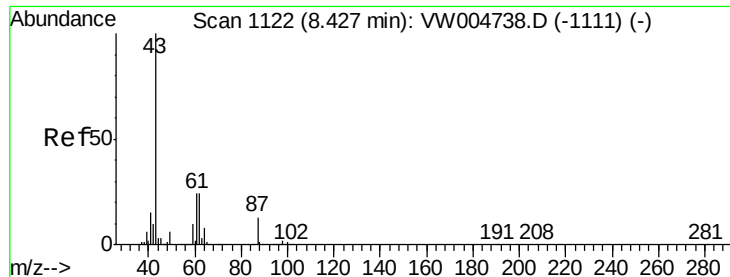
#42
1,2-Dichloroethane
Concen: 20.547 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion:	62	Resp:	157300
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 19.386 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

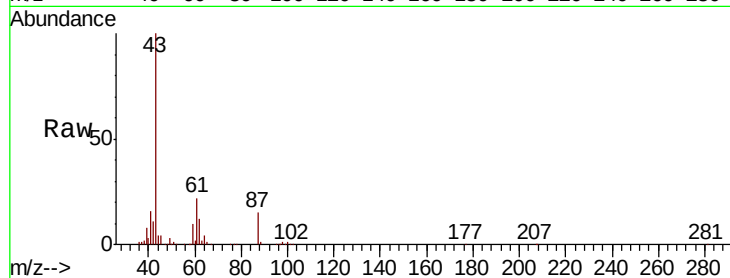
Tgt Ion: 43 Resp: 142597

Ion Ratio Lower Upper

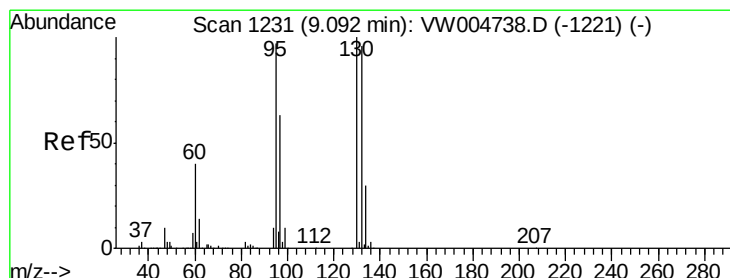
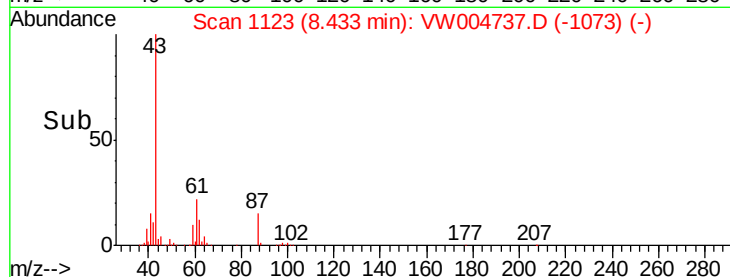
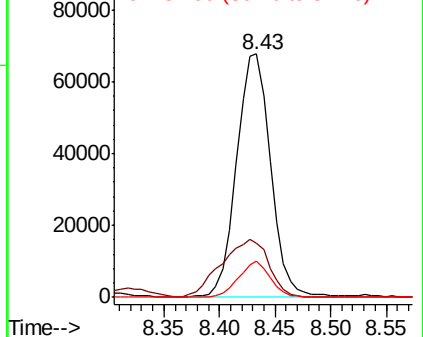
43 100

61 33.7 26.2 39.4

87 13.9 10.9 16.3



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



#44

Trichloroethene

Concen: 20.198 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW004737.D

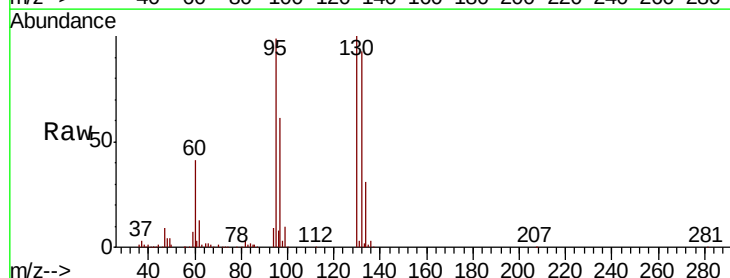
Acq: 17 Aug 2018 16:46

Tgt Ion: 130 Resp: 153073

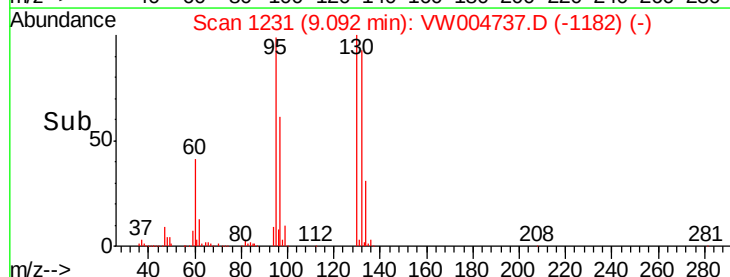
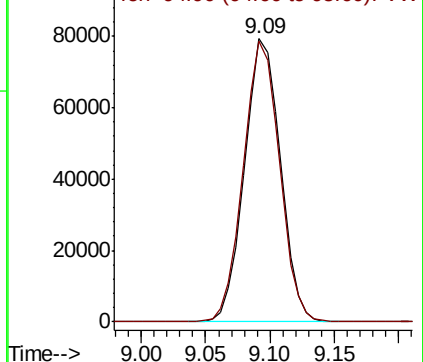
Ion Ratio Lower Upper

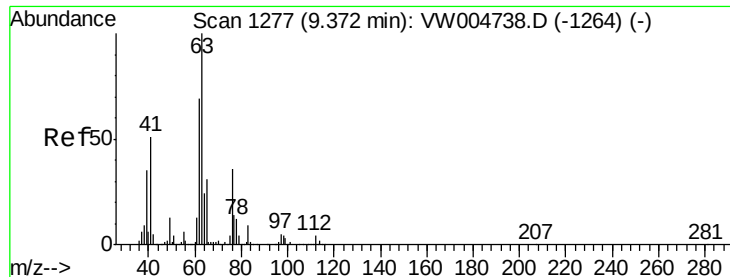
130 100

95 99.1 0.0 194.4



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

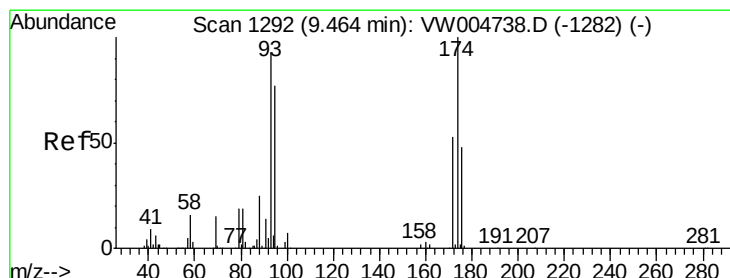
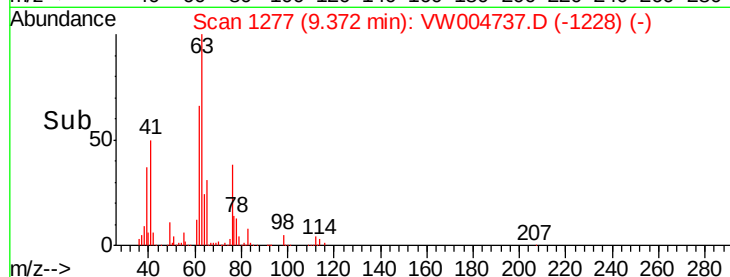
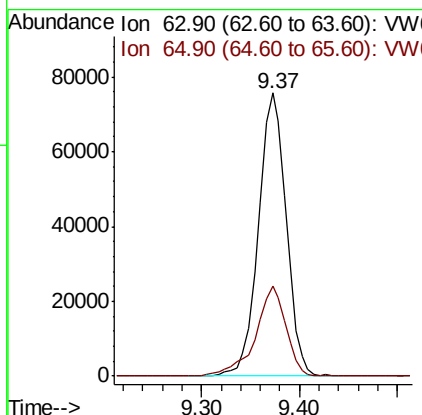
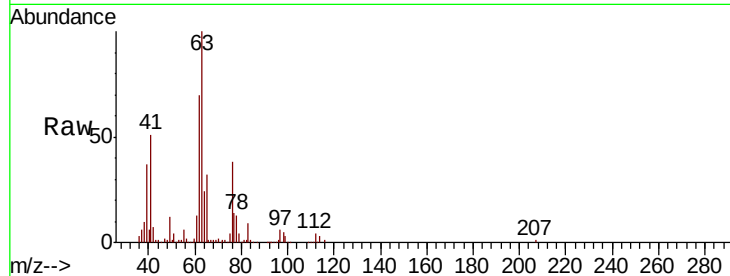




#45
 1,2-Dichloropropane
 Concen: 20.411 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

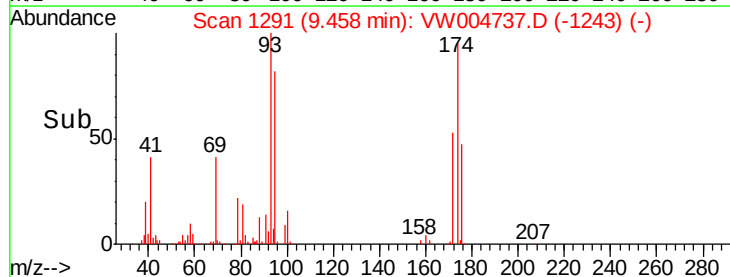
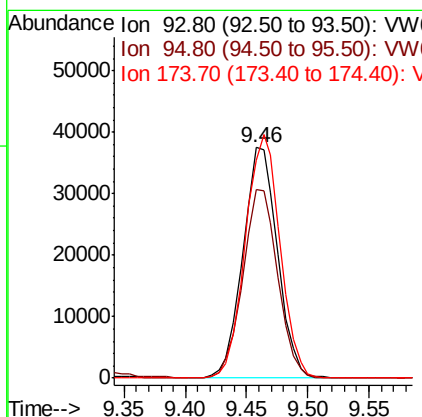
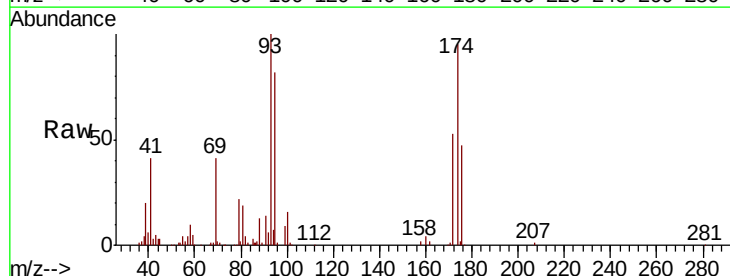
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

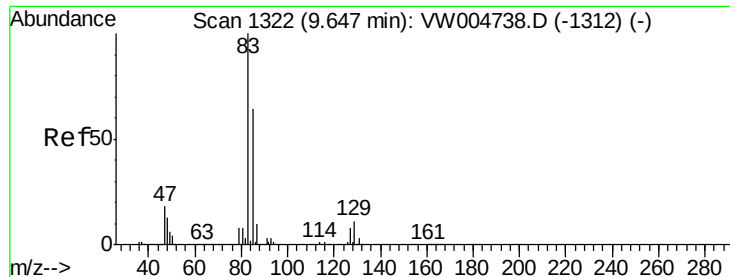
Tgt Ion: 63 Resp: 149055
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.6 37.0



#46
 Dibromomethane
 Concen: 20.411 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion: 93 Resp: 73843
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.6 99.8
 174 106.0 85.3 127.9





#47

Bromodichloromethane

Concen: 20.185 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

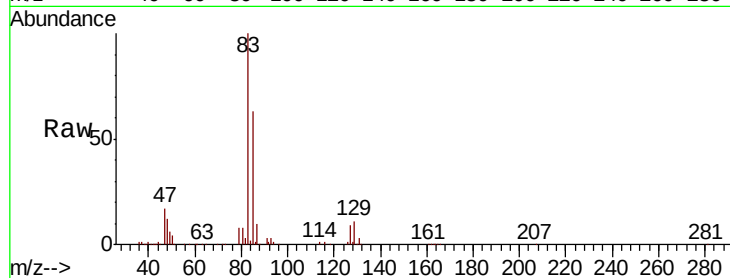
Tgt Ion: 83 Resp: 174401

Ion Ratio Lower Upper

83 100

85 62.6 51.2 76.8

127 8.5 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

120000

100000

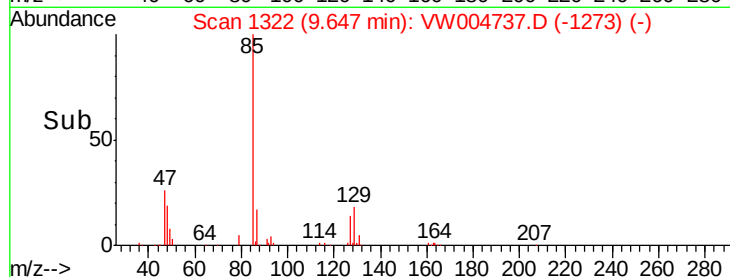
80000

60000

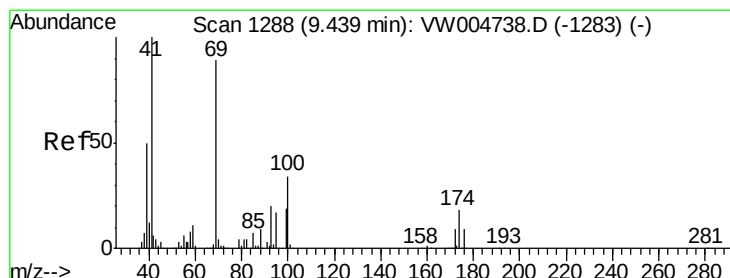
40000

20000

0



Time-->



#48

Methyl methacrylate

Concen: 19.112 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

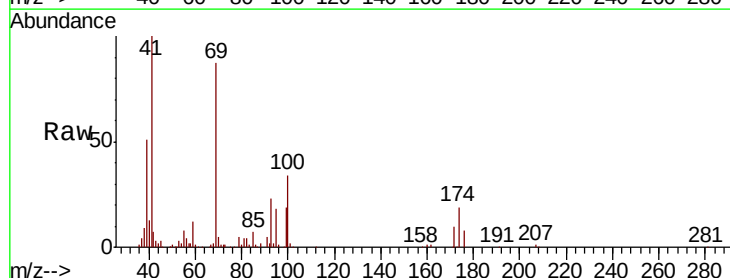
Tgt Ion: 41 Resp: 65964

Ion Ratio Lower Upper

41 100

69 96.5 75.2 112.8

39 50.8 39.8 59.6



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

50000

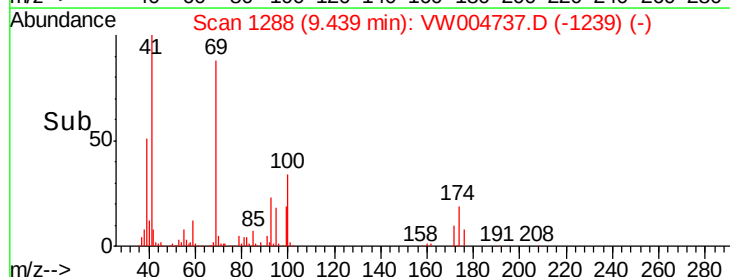
40000

30000

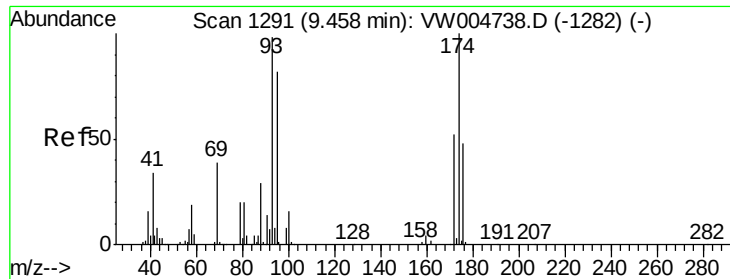
20000

10000

0



Time-->



#49

1,4-Dioxane

Concen: 396.712 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. 0.02 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

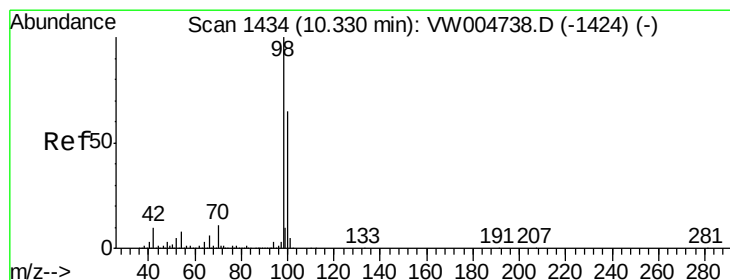
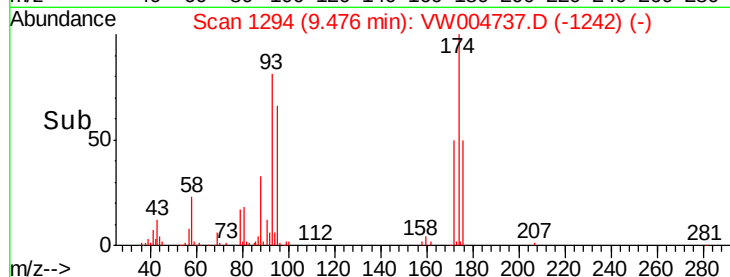
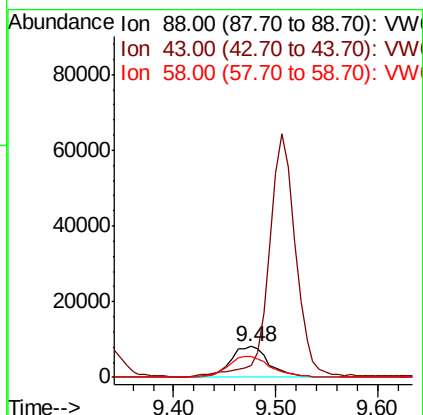
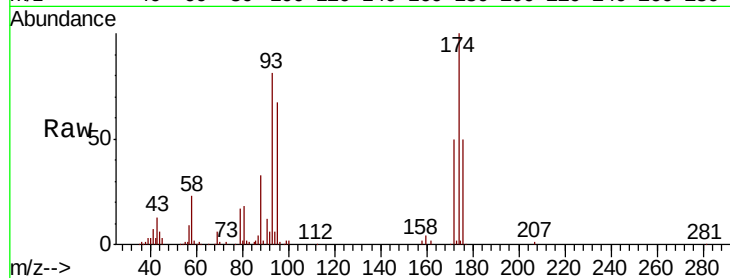
Tgt Ion: 88 Resp: 20969

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

58 77.9 60.0 90.0



#50

Toluene-d8

Concen: 20.641 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004737.D

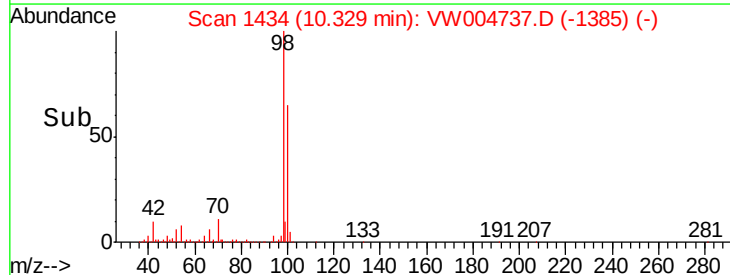
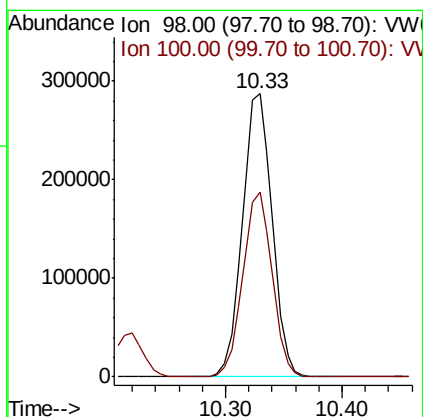
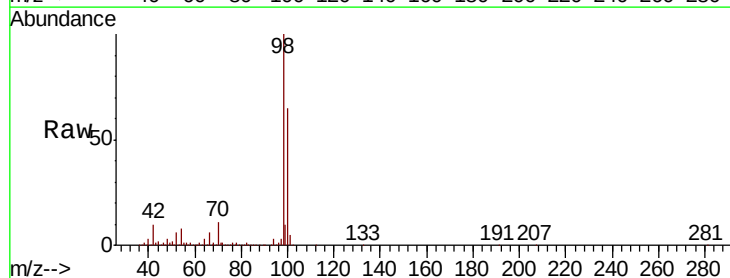
Acq: 17 Aug 2018 16:46

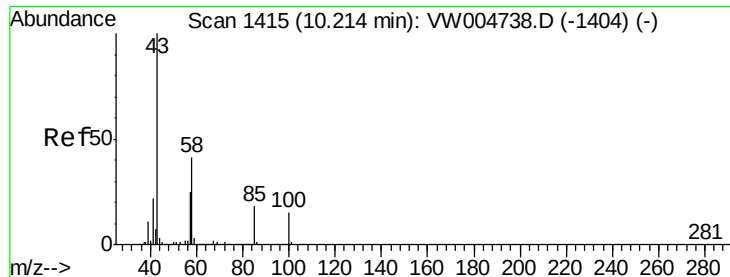
Tgt Ion: 98 Resp: 513524

Ion Ratio Lower Upper

98 100

100 64.1 51.8 77.8

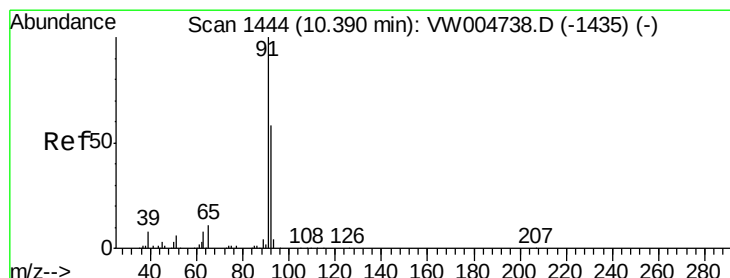
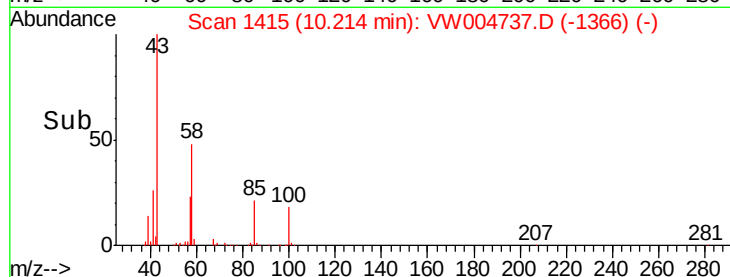
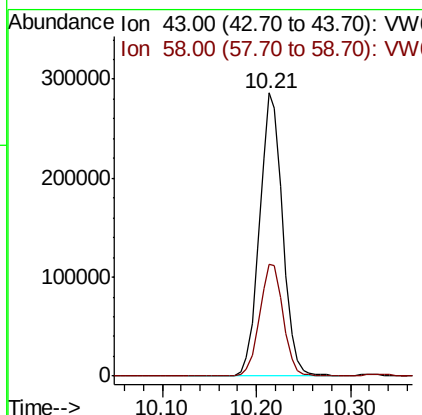
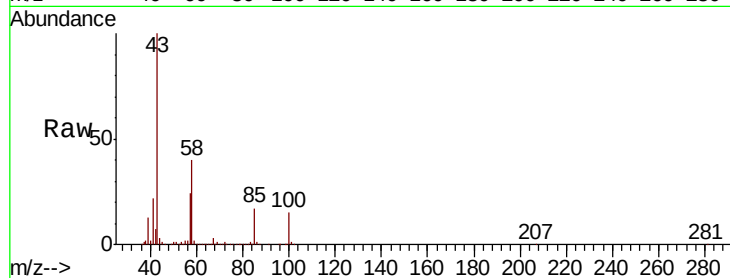




#51
 4-Methyl-2-Pentanone
 Concen: 99.446 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

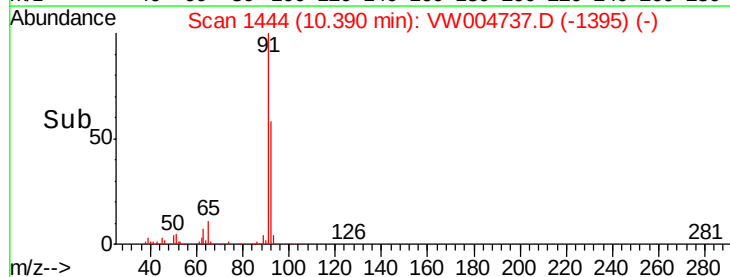
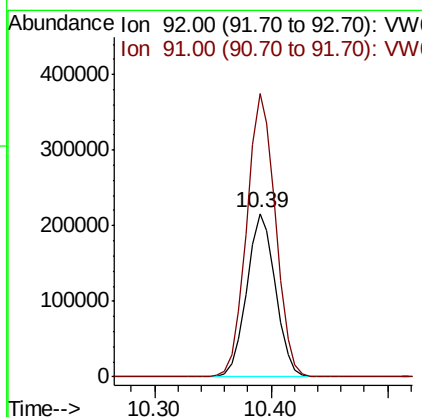
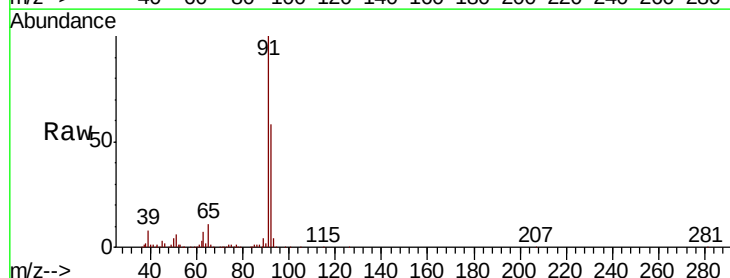
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

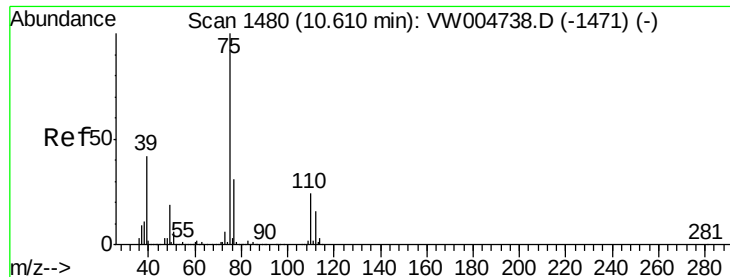
Tgt Ion: 43 Resp: 494370
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.7 49.1



#52
 Toluene
 Concen: 20.717 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion: 92 Resp: 370944
 Ion Ratio Lower Upper
 92 100
 91 174.3 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 20.130 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

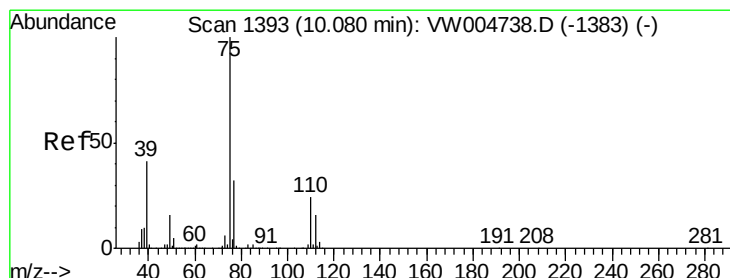
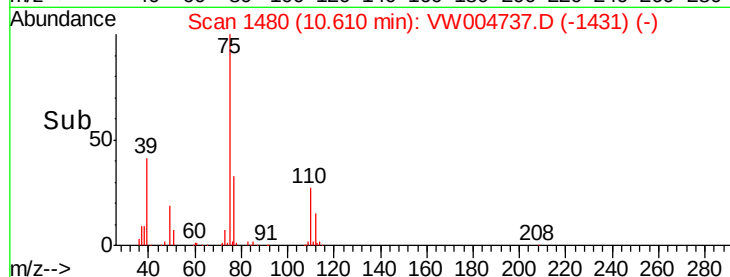
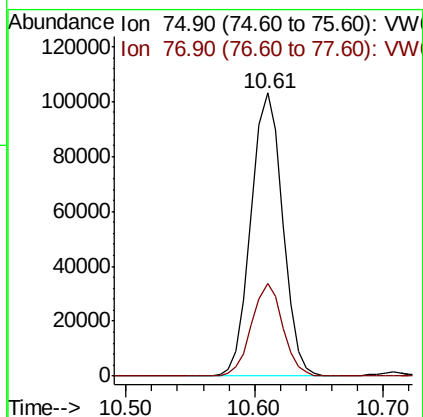
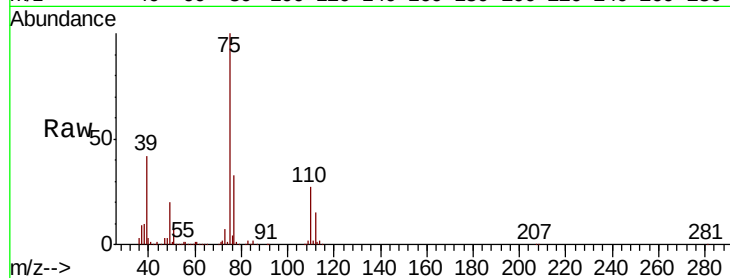
VSTDIC020

Tgt Ion: 75 Resp: 175234

Ion Ratio Lower Upper

75 100

77 32.4 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 20.092 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

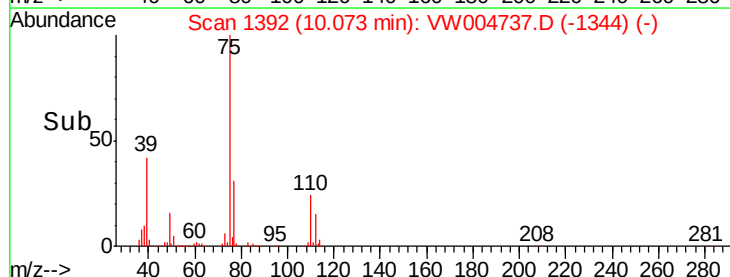
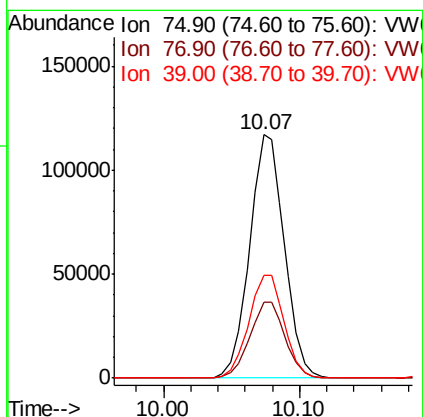
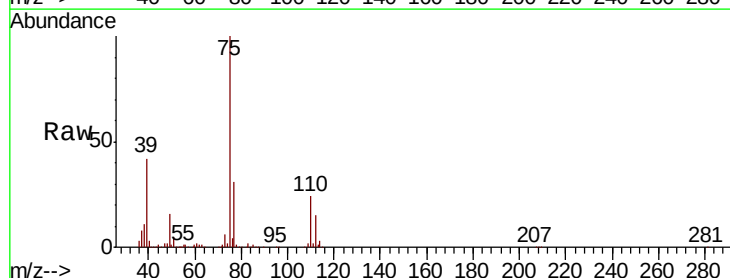
Tgt Ion: 75 Resp: 208515

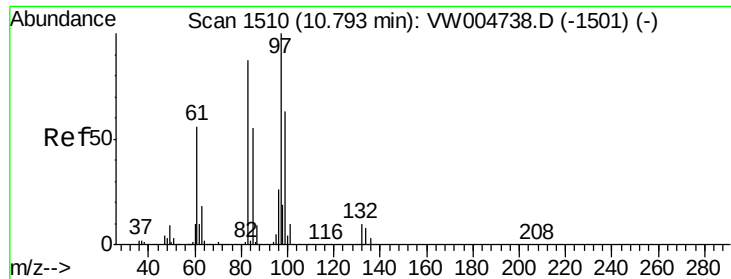
Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4

39 42.1 33.0 49.4

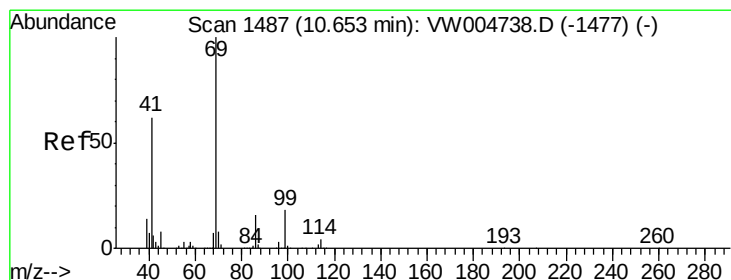
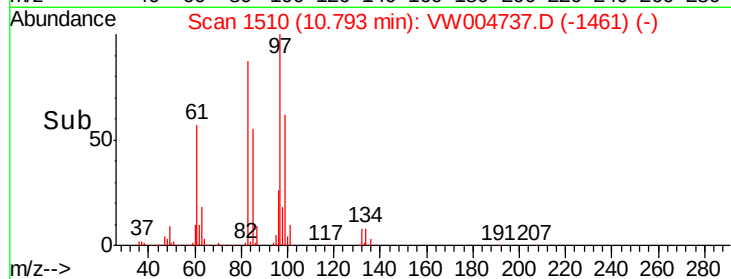
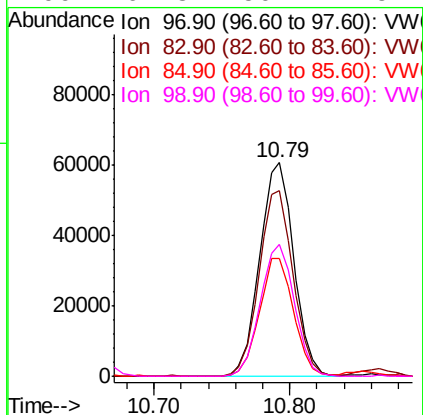
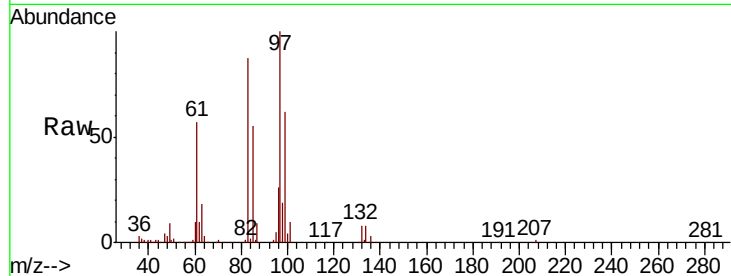




#55
 1,1,2-Trichloroethane
 Concen: 20.724 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

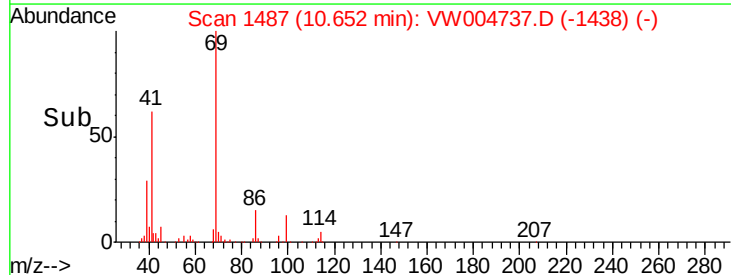
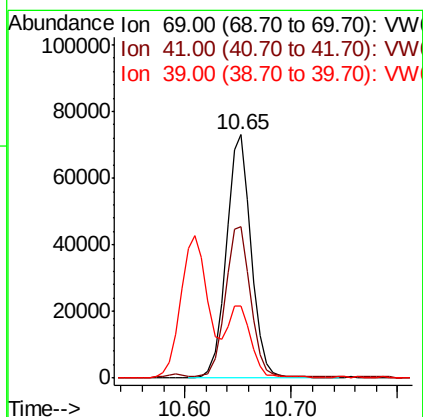
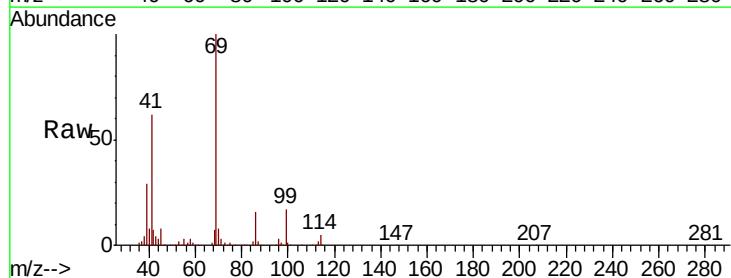
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

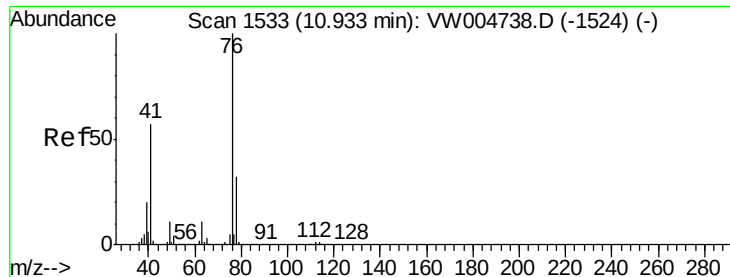
Tgt Ion:	97	Resp:	106576
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.2
85	55.2	44.3	66.5
99	61.8	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 19.541 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion:	69	Resp:	118710
Ion	Ratio	Lower	Upper
69	100		
41	62.2	50.7	76.1
39	27.3	21.4	32.2





#57

1,3-Dichloropropane

Concen: 20.478 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

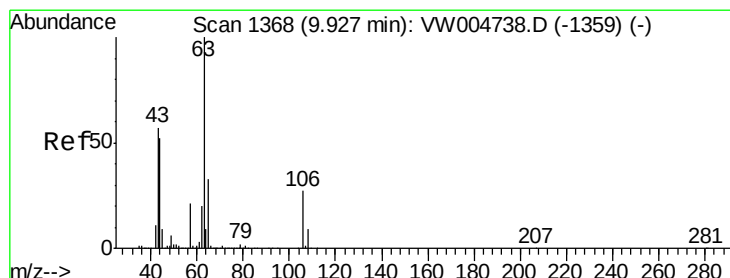
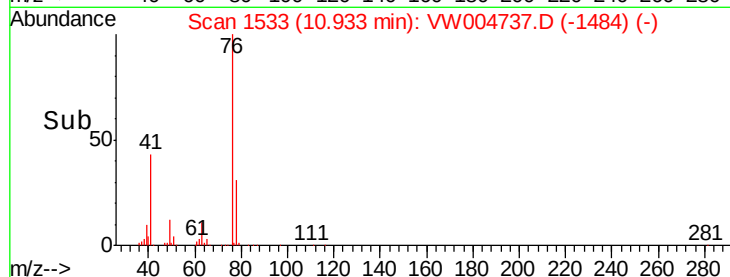
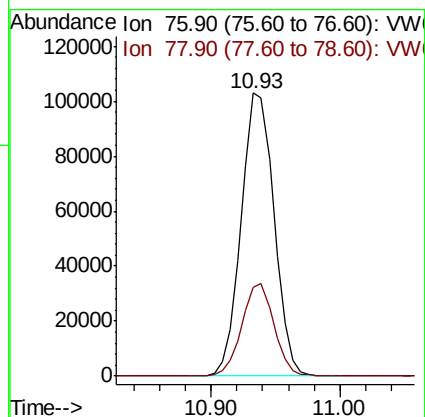
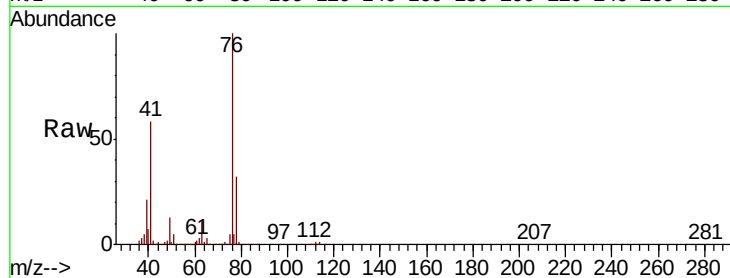
VSTDIC020

Tgt Ion: 76 Resp: 181782

Ion Ratio Lower Upper

76 100

78 32.1 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 103.352 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VW004737.D

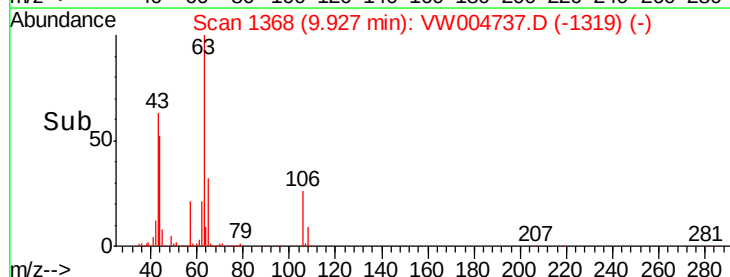
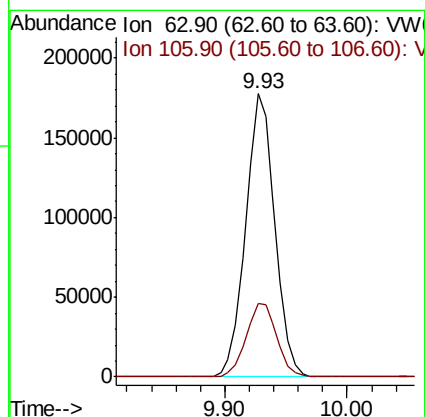
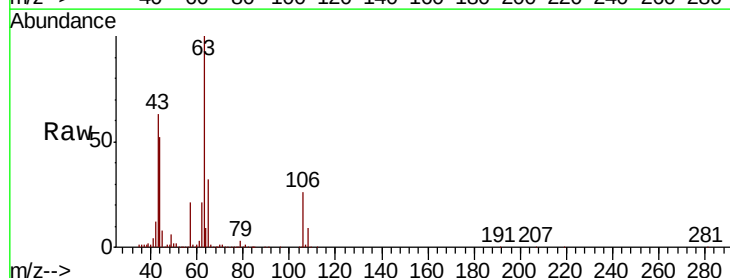
Acq: 17 Aug 2018 16:46

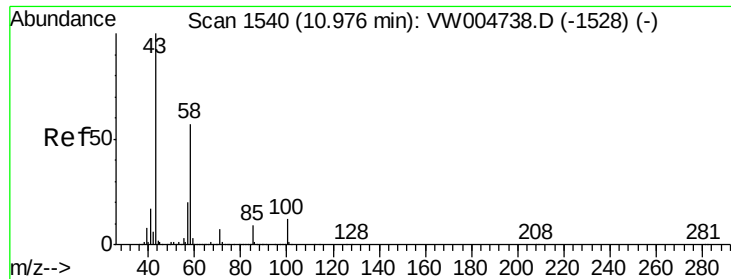
Tgt Ion: 63 Resp: 293531

Ion Ratio Lower Upper

63 100

106 27.3 22.1 33.1

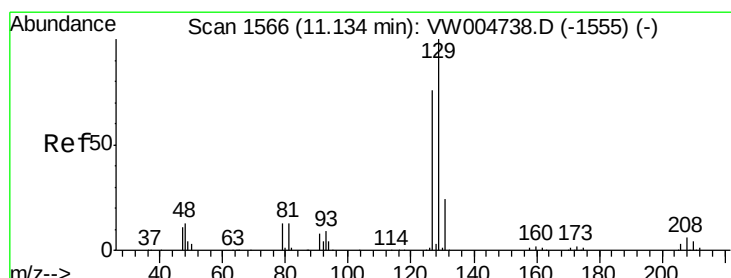
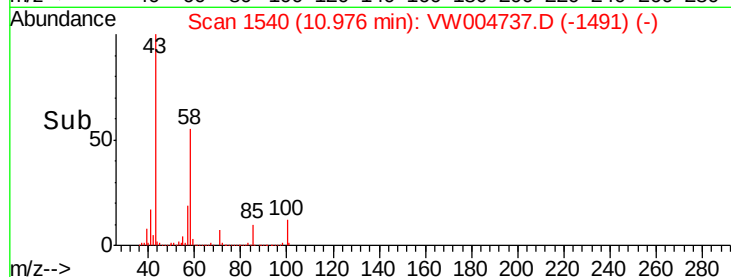
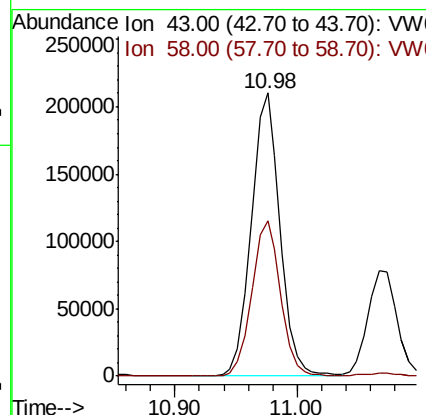
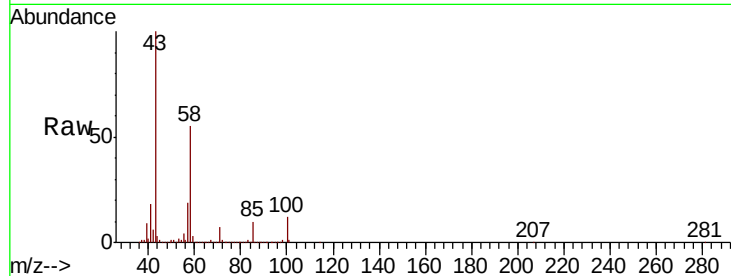




#59
2-Hexanone
Concen: 101.728 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

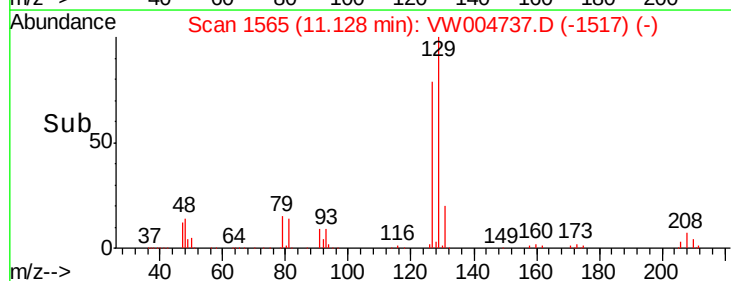
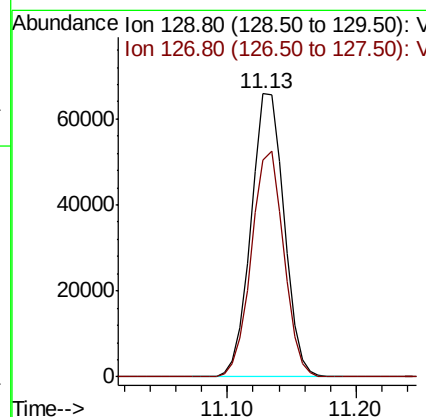
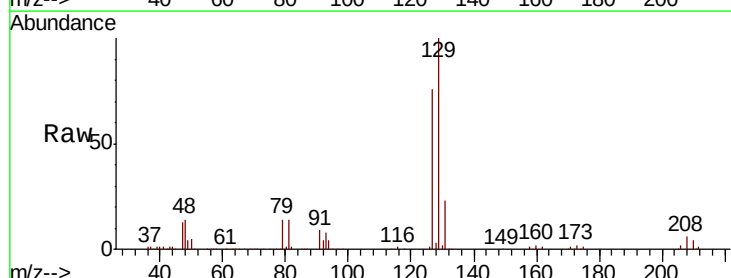
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

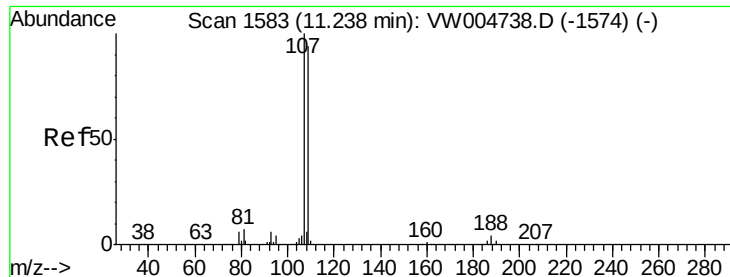
Tgt Ion: 43 Resp: 342656
Ion Ratio Lower Upper
43 100
58 55.0 28.1 84.4



#60
Dibromochloromethane
Concen: 20.172 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion: 129 Resp: 116386
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5

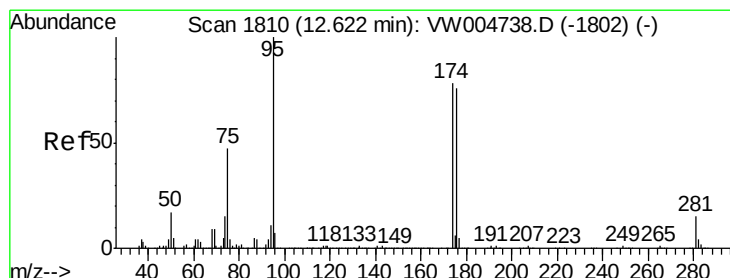
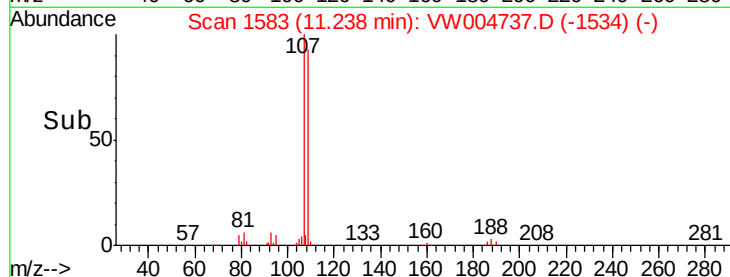
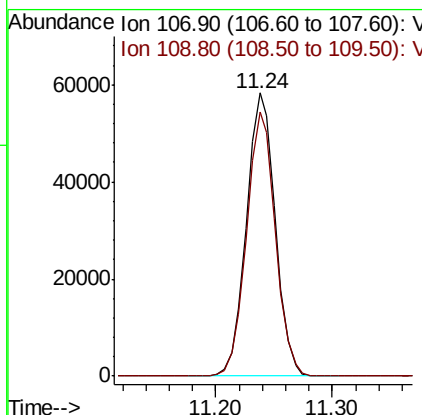
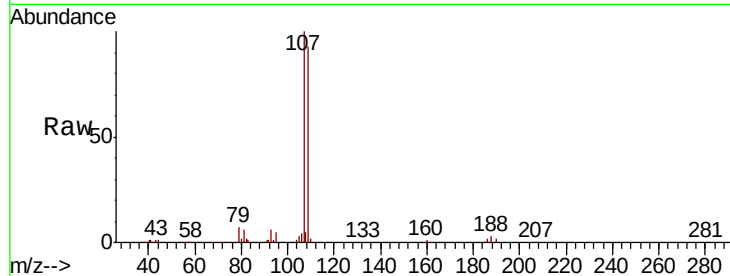




#61
 1,2-Dibromoethane
 Concen: 20.392 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

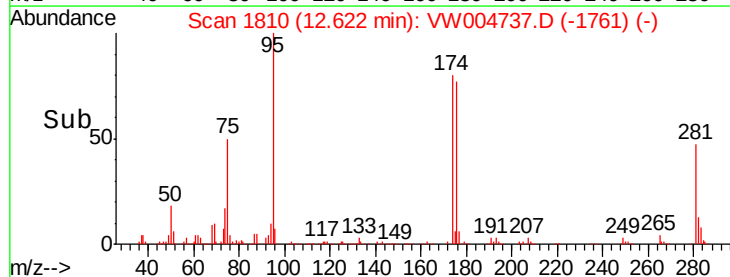
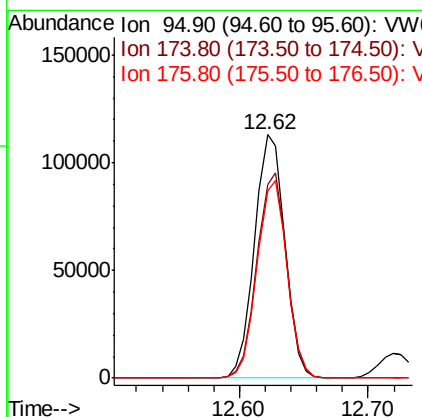
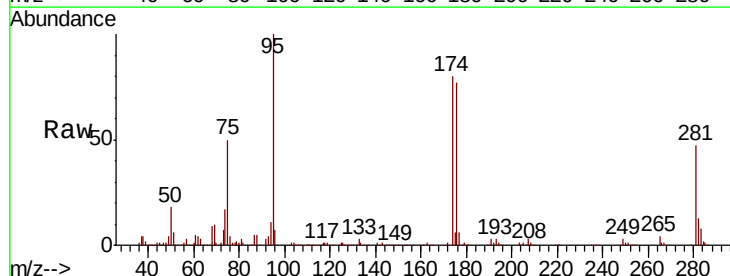
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

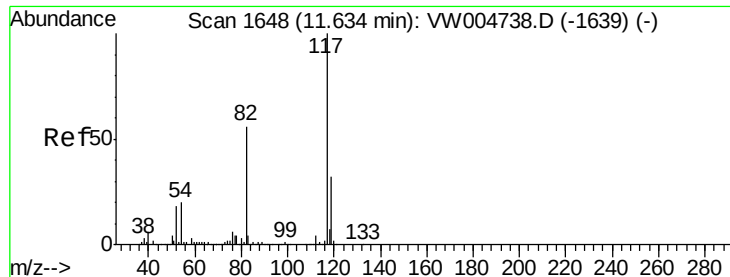
Tgt Ion: 107 Resp: 100245
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 20.456 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion: 95 Resp: 183096
 Ion Ratio Lower Upper
 95 100
 174 83.4 0.0 165.8
 176 80.3 0.0 159.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

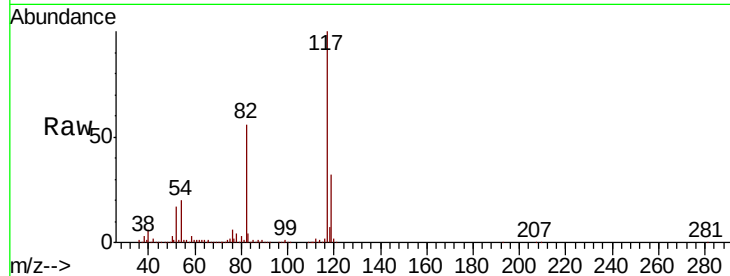
Tgt Ion:117 Resp: 940745

Ion Ratio Lower Upper

117 100

82 55.8 44.6 67.0

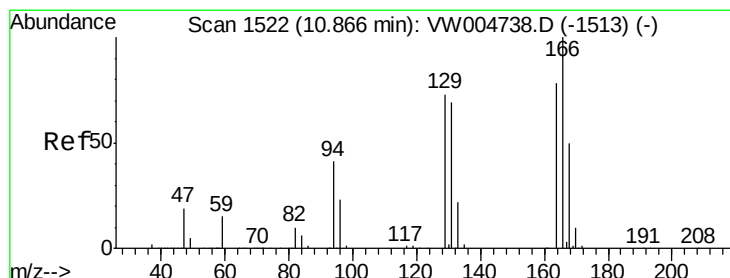
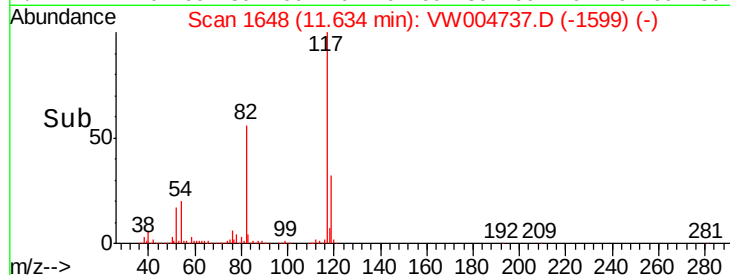
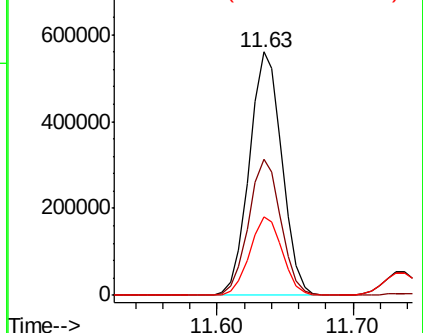
119 32.0 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.582 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Tgt Ion:164 Resp: 132329

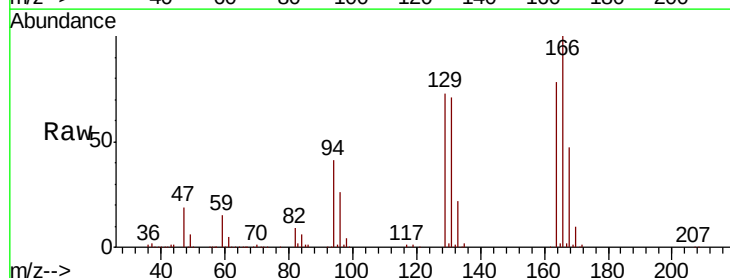
Ion Ratio Lower Upper

164 100

166 128.1 102.5 153.7

129 93.5 75.1 112.7

131 90.7 71.3 106.9

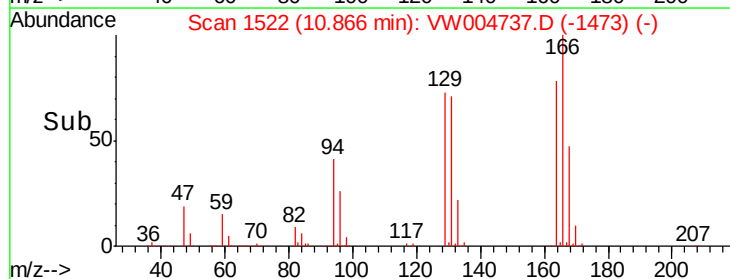
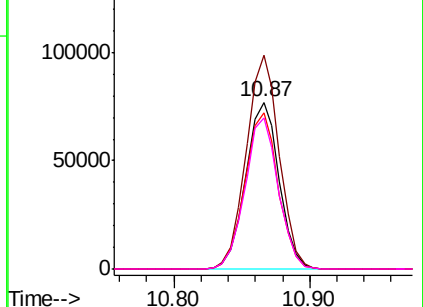


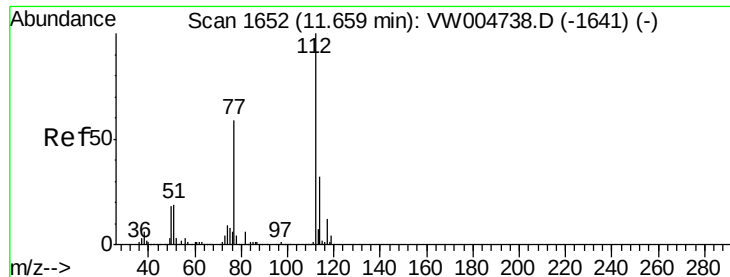
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

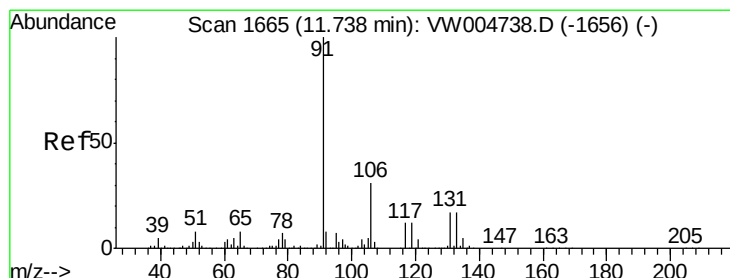
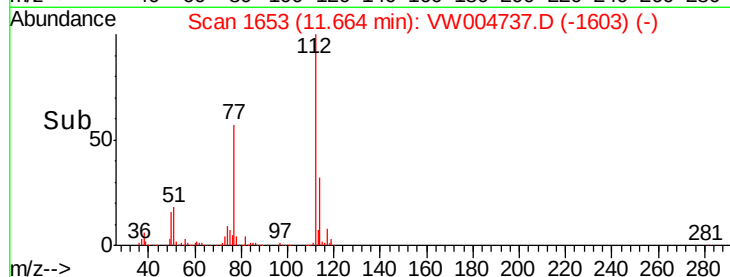
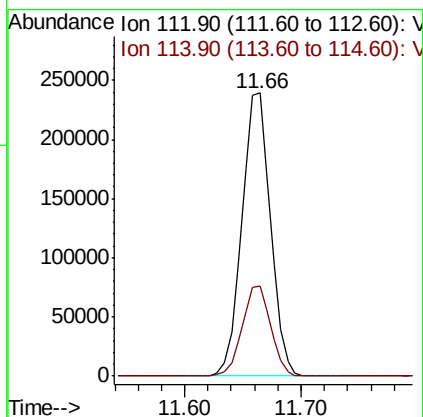
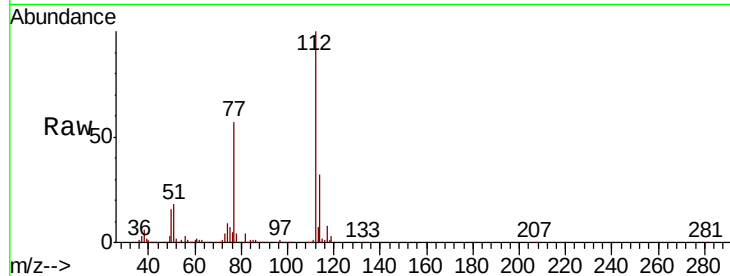




#65
Chlorobenzene
Concen: 20.290 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

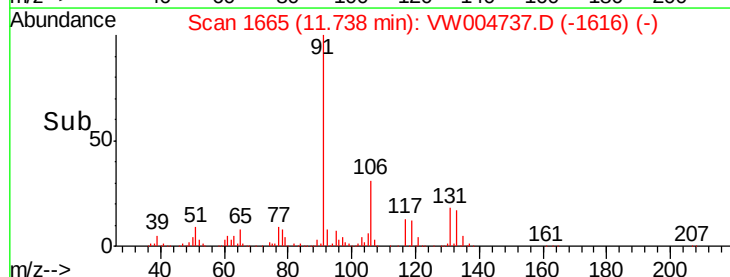
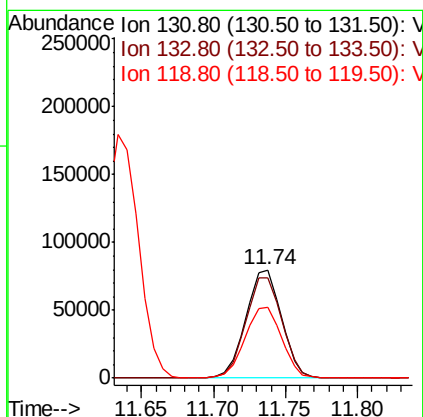
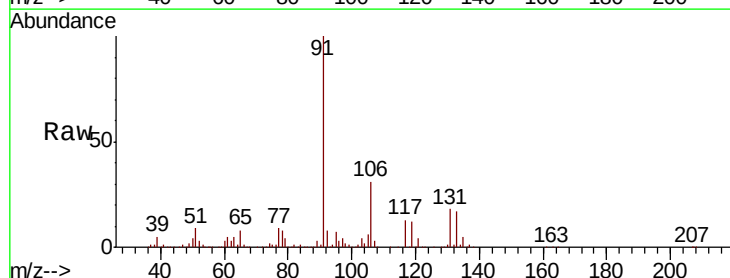
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

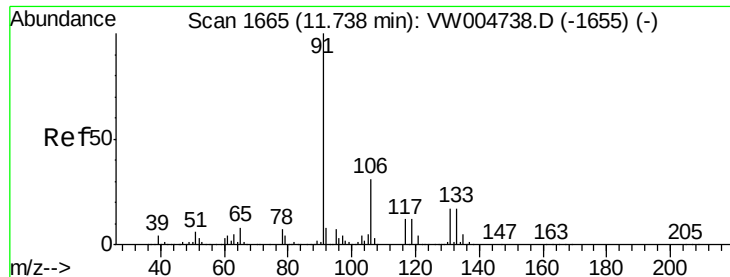
Tgt Ion:112 Resp: 410833
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.899 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion:131 Resp: 136041
Ion Ratio Lower Upper
131 100
133 95.0 48.2 144.6
119 67.6 34.0 102.0





#67

Ethyl Benzene

Concen: 20.160 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampled :

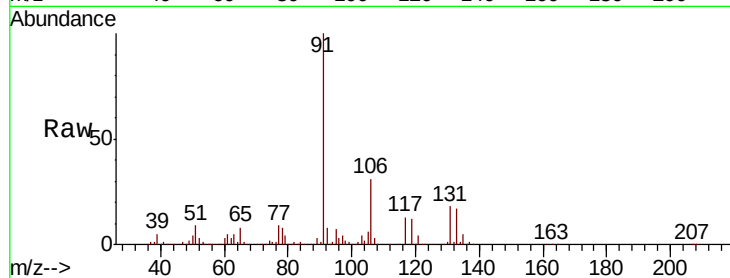
VSTDIC020

Tgt Ion: 91 Resp: 691991

Ion Ratio Lower Upper

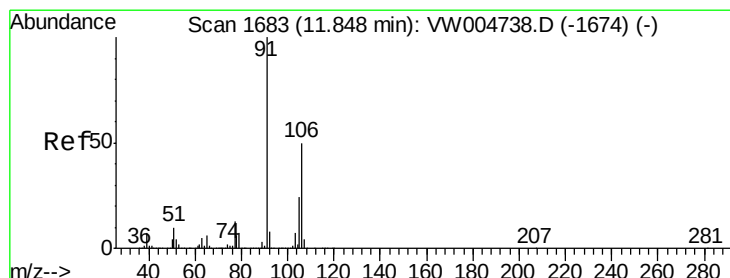
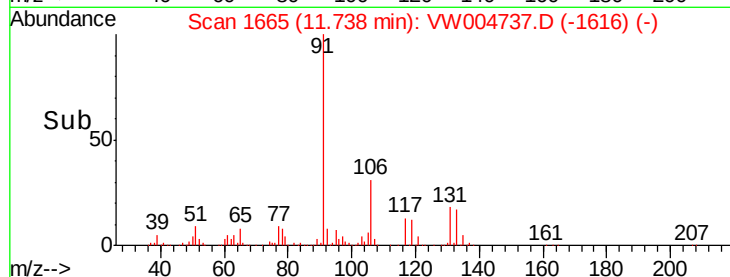
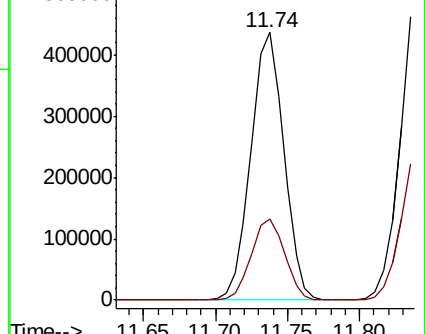
91 100

106 30.6 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.360 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004737.D

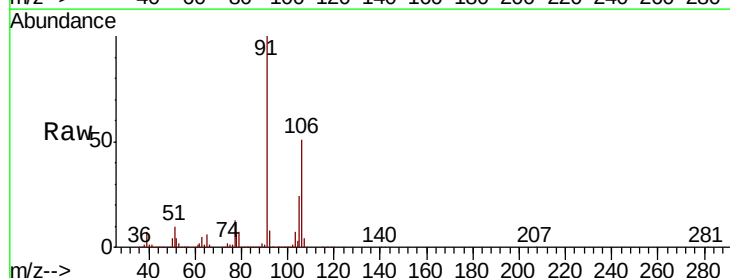
Acq: 17 Aug 2018 16:46

Tgt Ion: 106 Resp: 552345

Ion Ratio Lower Upper

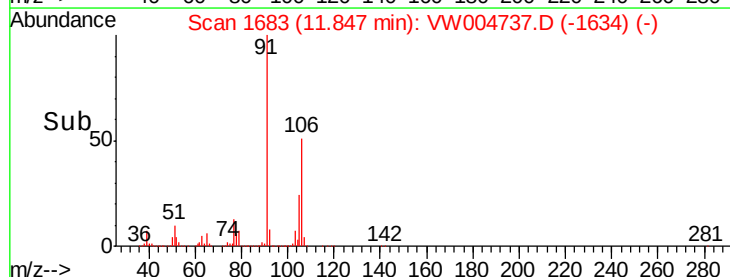
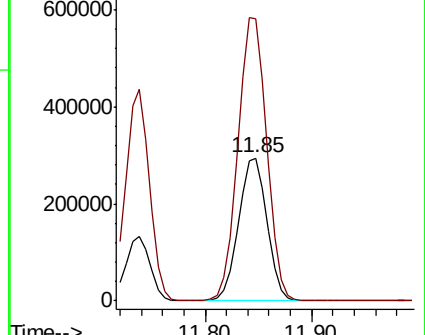
106 100

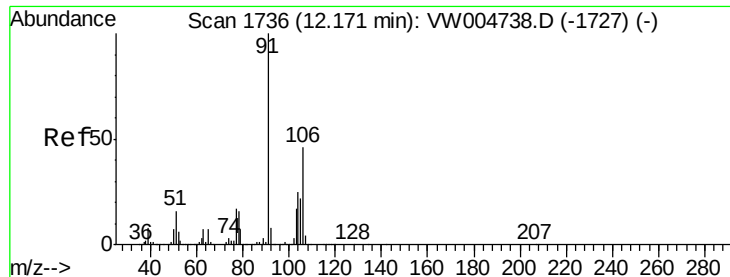
91 200.8 159.9 239.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

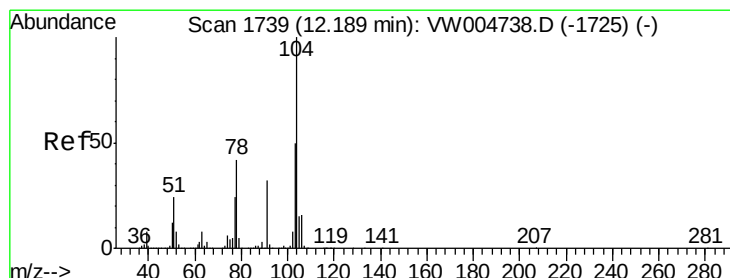
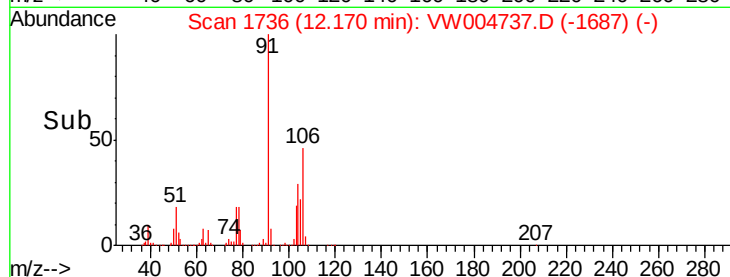
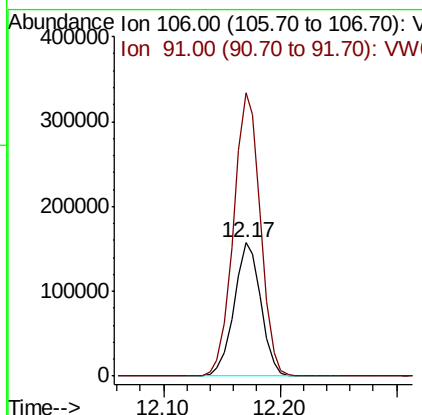
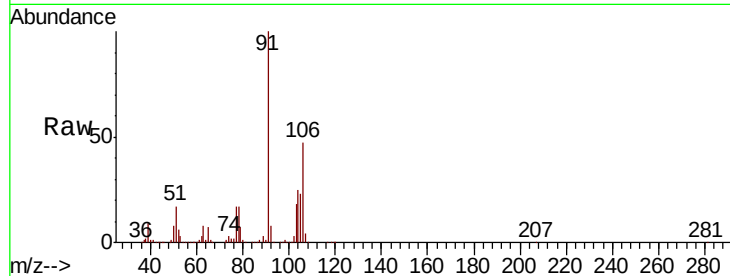




#69
o-Xylene
Concen: 20.271 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

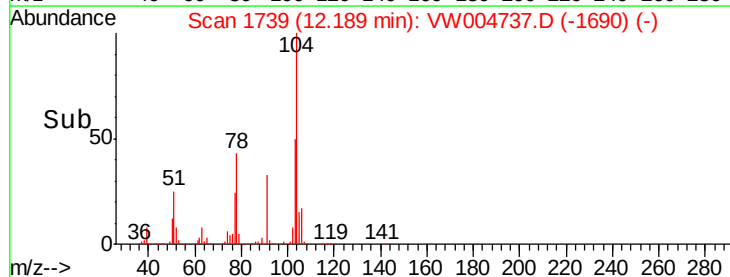
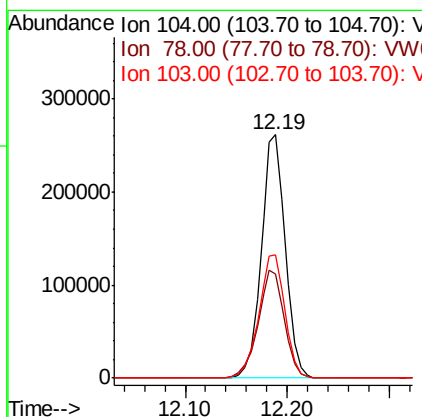
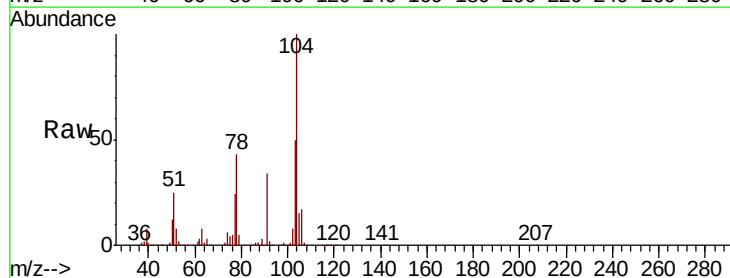
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

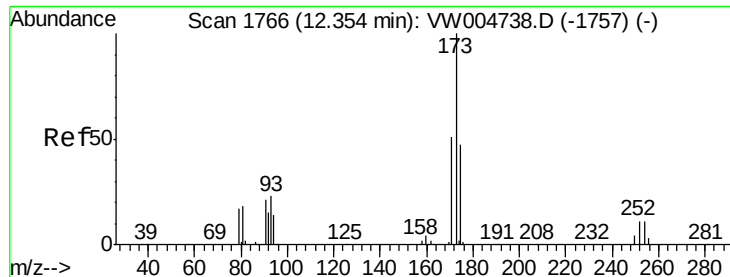
Tgt Ion:106 Resp: 250614
Ion Ratio Lower Upper
106 100
91 214.2 107.3 321.8



#70
Styrene
Concen: 20.554 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion:104 Resp: 426836
Ion Ratio Lower Upper
104 100
78 48.4 38.4 57.6
103 55.2 44.1 66.1





#71

Bromoform

Concen: 19.480 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

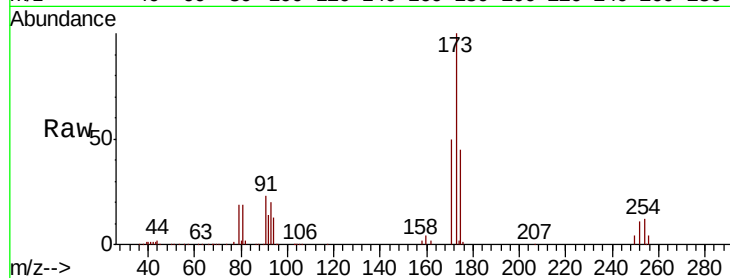
Tgt Ion:173 Resp: 70295

Ion Ratio Lower Upper

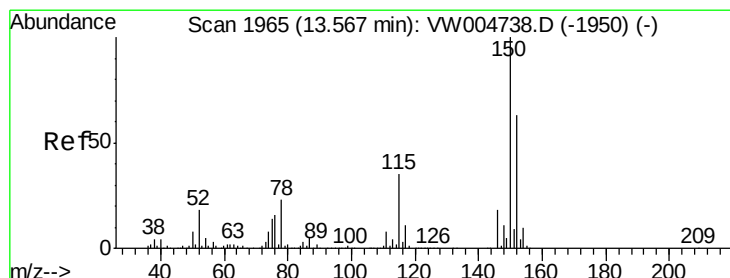
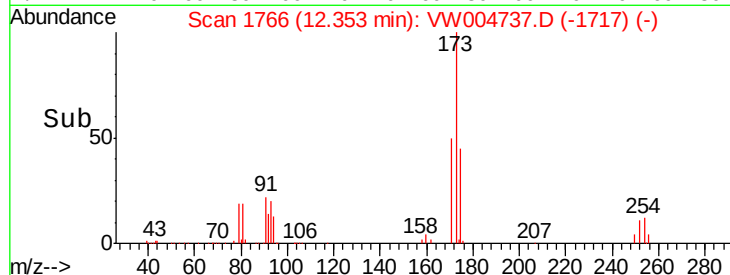
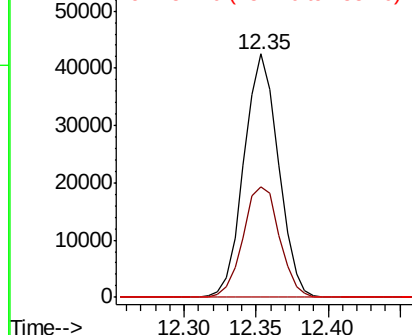
173 100

175 47.8 23.8 71.4

254 0.1 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# 1965

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

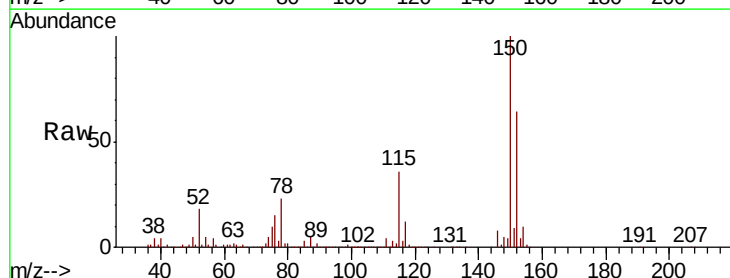
Tgt Ion:152 Resp: 508905

Ion Ratio Lower Upper

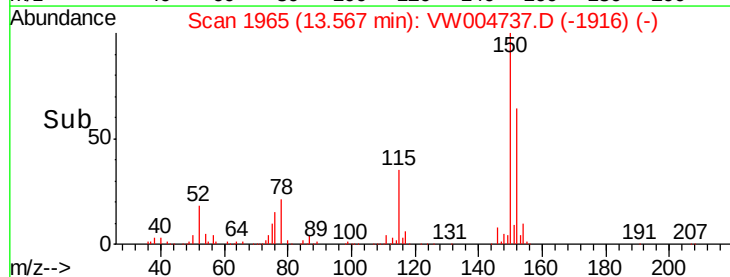
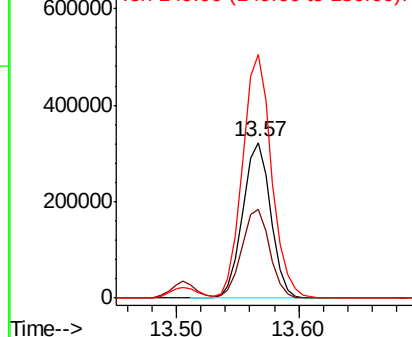
152 100

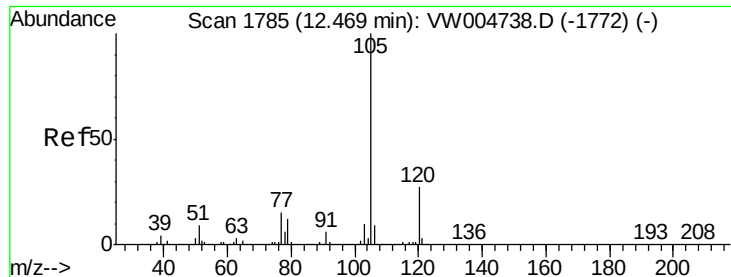
115 57.4 28.5 85.5

150 163.0 0.0 344.8



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: 20.140 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleId :

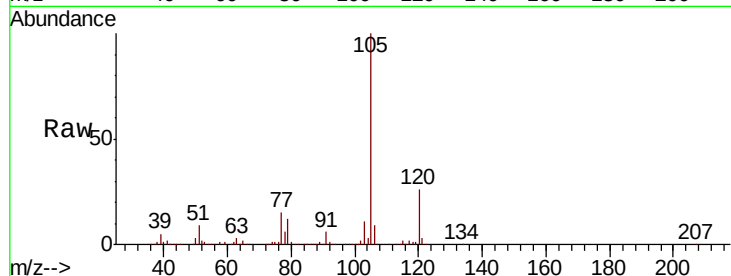
VSTDIC020

Tgt Ion: 105 Resp: 697269

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

500000

400000

300000

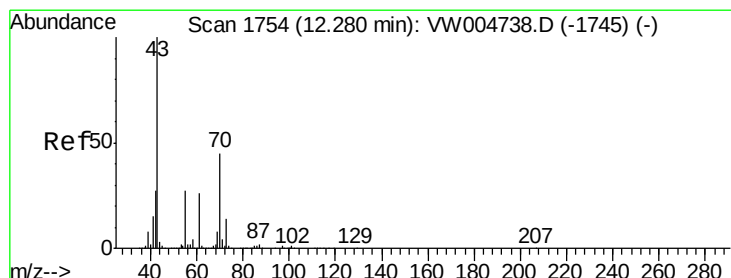
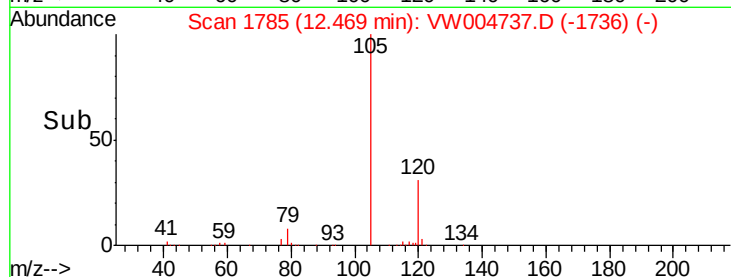
200000

100000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 19.264 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Tgt Ion: 43 Resp: 139815

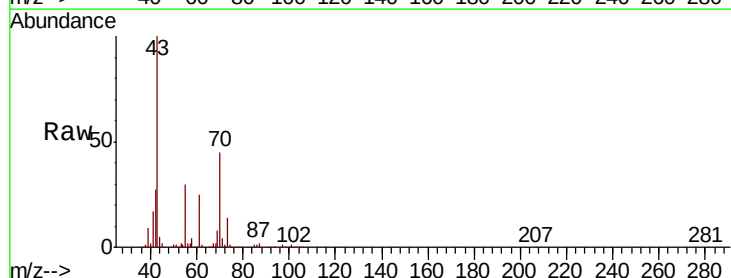
Ion Ratio Lower Upper

43 100

70 44.2 36.3 54.5

55 30.3 22.6 33.8

61 23.9 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.28

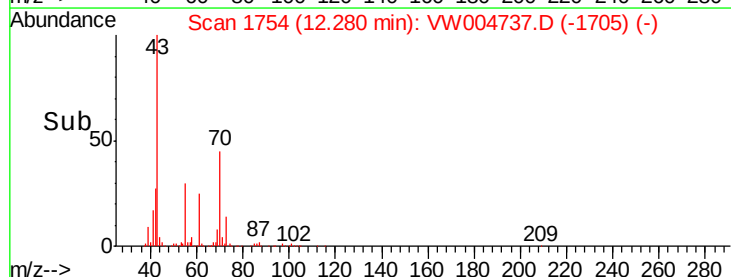
100000

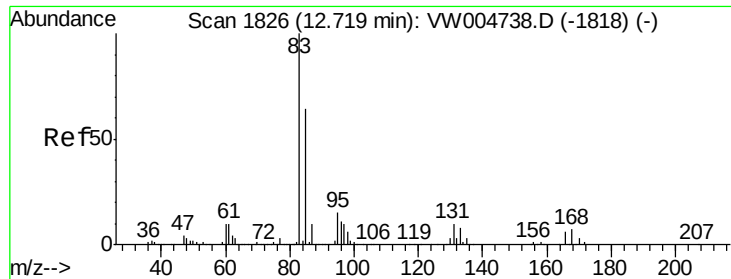
50000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 19.795 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

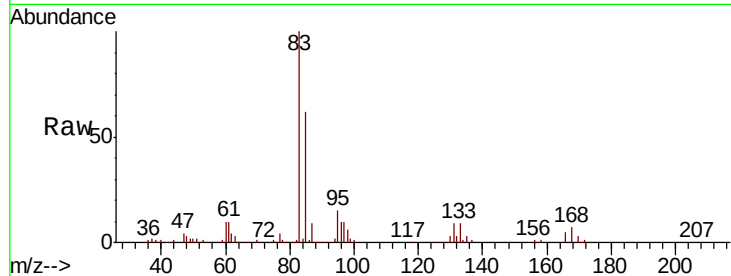
Tgt Ion: 83 Resp: 126954

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

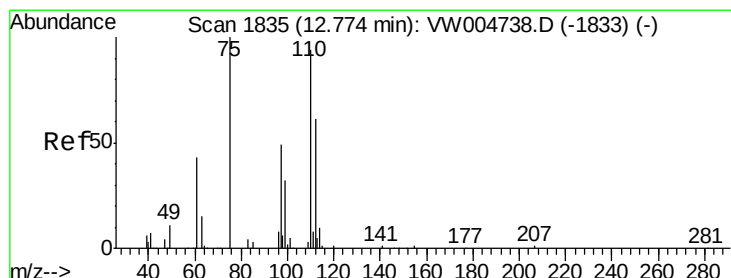
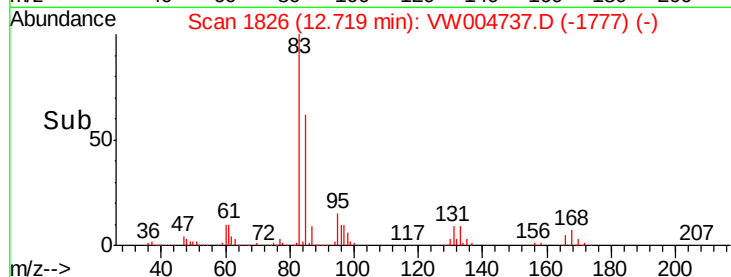
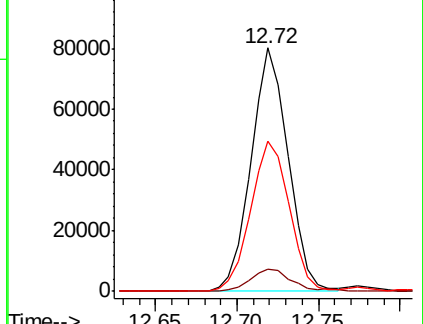
85 64.2 31.9 95.9



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: 21.294 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004737.D

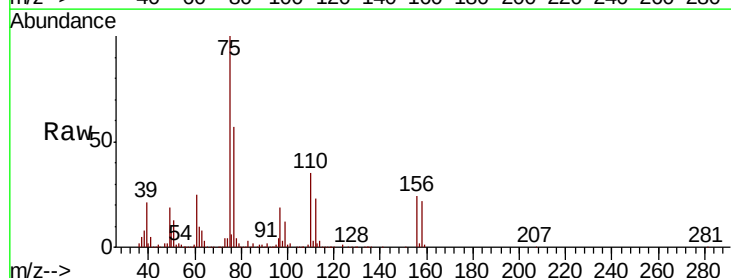
Acq: 17 Aug 2018 16:46

Tgt Ion: 75 Resp: 160512

Ion Ratio Lower Upper

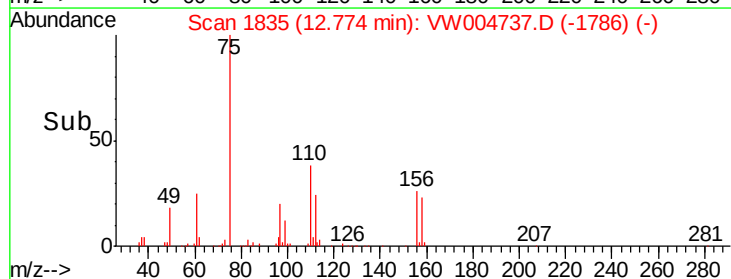
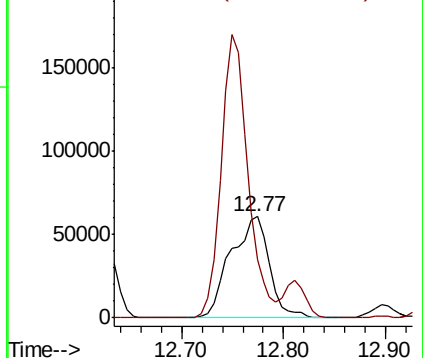
75 100

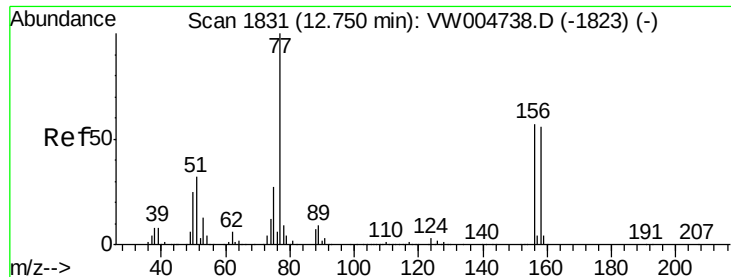
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

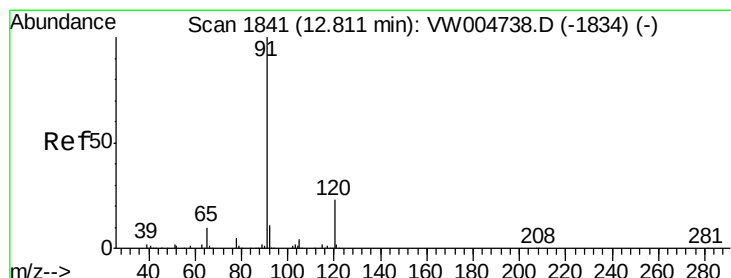
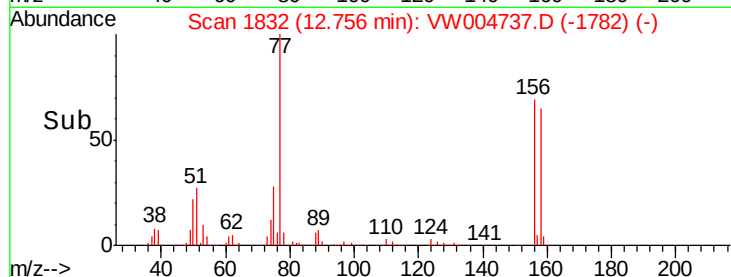
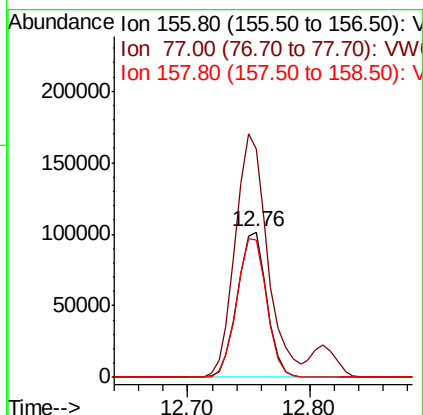
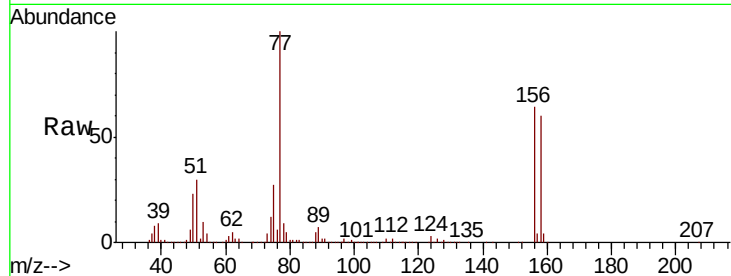




#77
Bromobenzene
Concen: 20.021 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

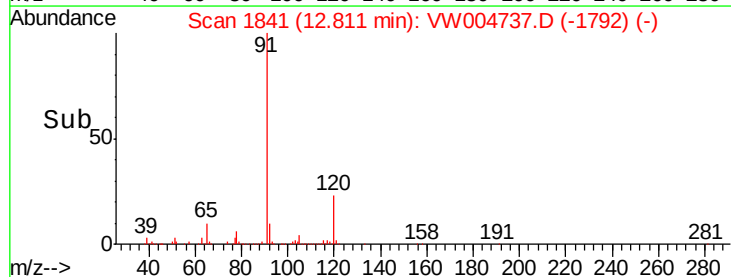
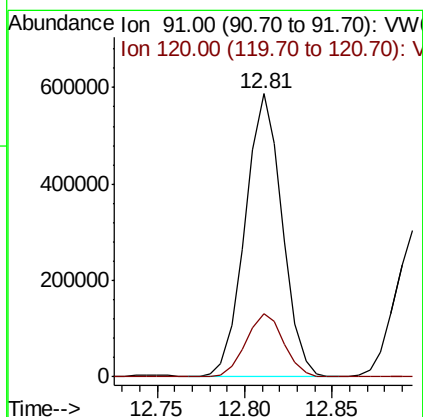
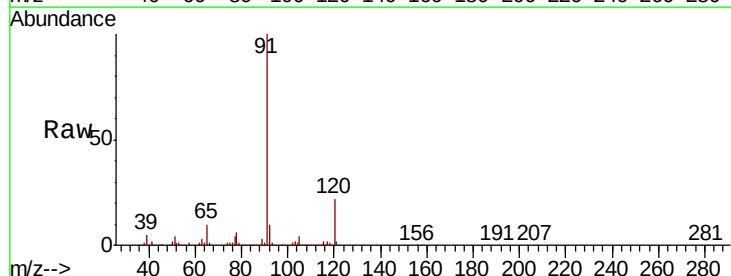
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

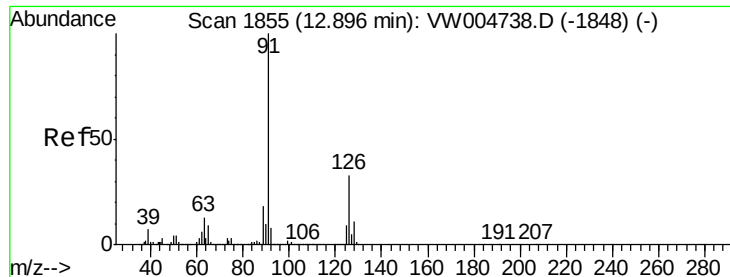
Tgt Ion:156 Resp: 167776
Ion Ratio Lower Upper
156 100
77 185.2 94.2 282.4
158 97.2 48.6 145.9



#78
n-propylbenzene
Concen: 20.544 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion: 91 Resp: 867951
Ion Ratio Lower Upper
91 100
120 22.9 11.4 34.2





#79

2-Chlorotoluene

Concen: 20.200 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampleID :

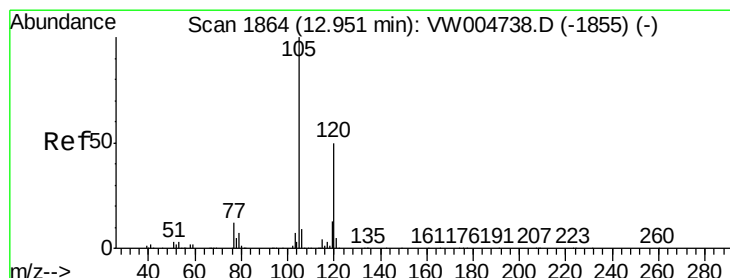
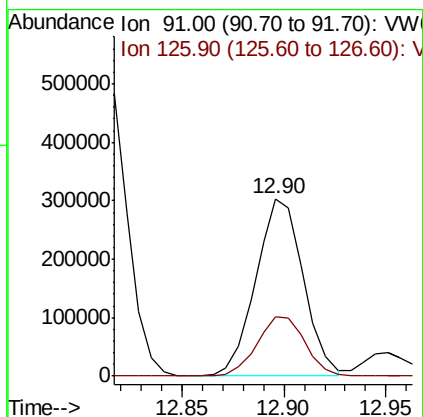
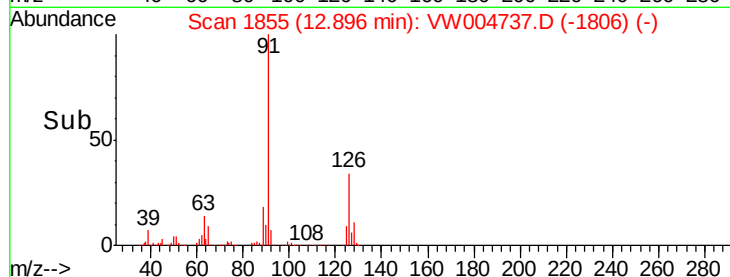
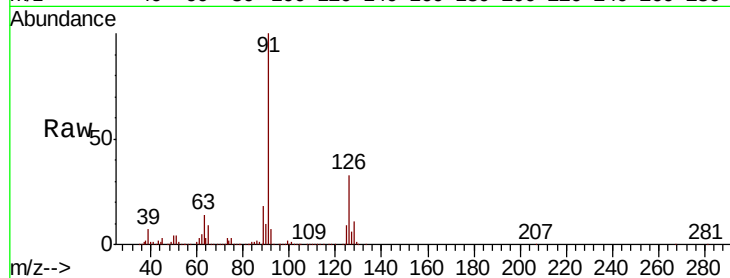
VSTDIC020

Tgt Ion: 91 Resp: 491902

Ion Ratio Lower Upper

91 100

126 34.2 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 20.661 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004737.D

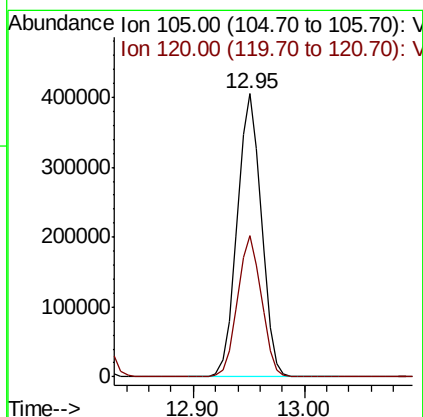
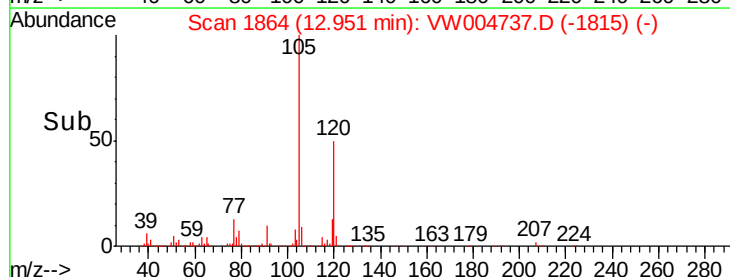
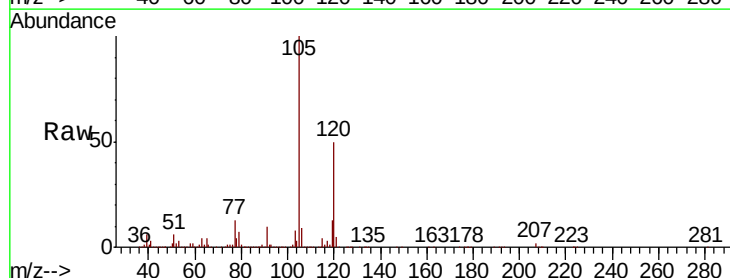
Acq: 17 Aug 2018 16:46

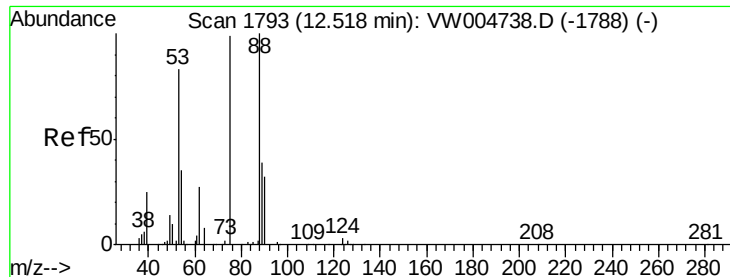
Tgt Ion: 105 Resp: 607704

Ion Ratio Lower Upper

105 100

120 49.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.260 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

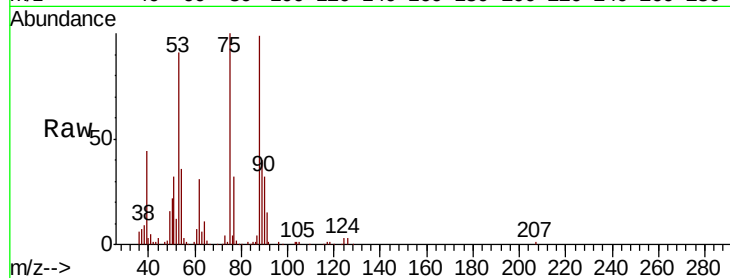
Tgt Ion: 75 Resp: 37174

Ion Ratio Lower Upper

75 100

53 92.3 72.2 108.4

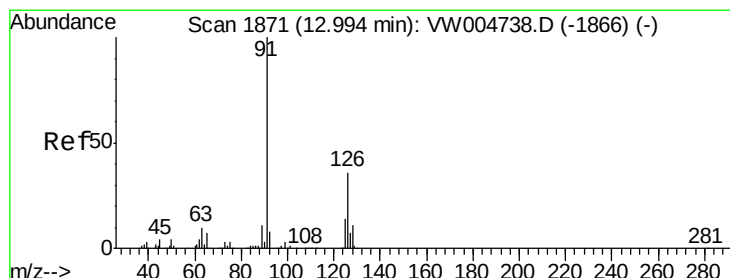
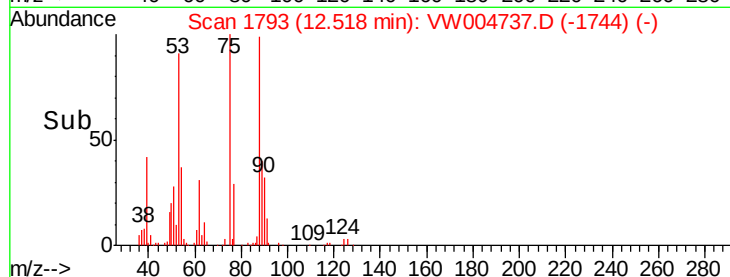
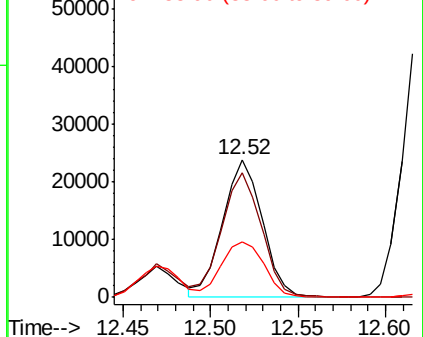
89 43.4 35.2 52.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.412 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW004737.D

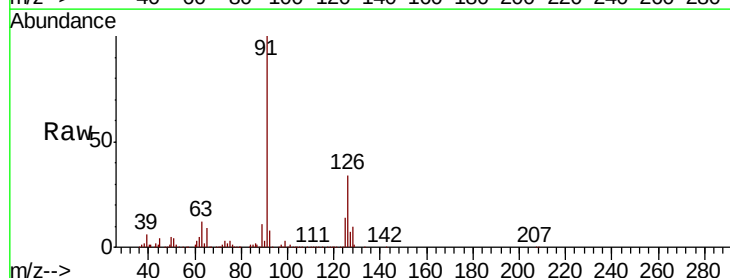
Acq: 17 Aug 2018 16:46

Tgt Ion: 91 Resp: 528128

Ion Ratio Lower Upper

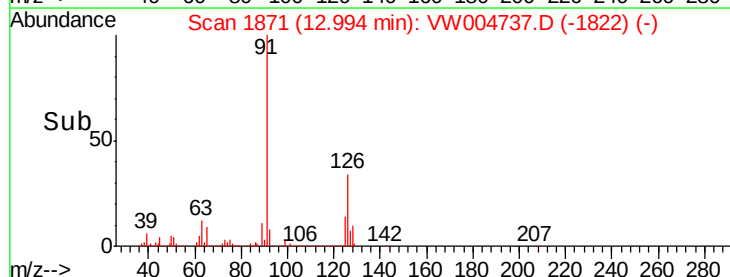
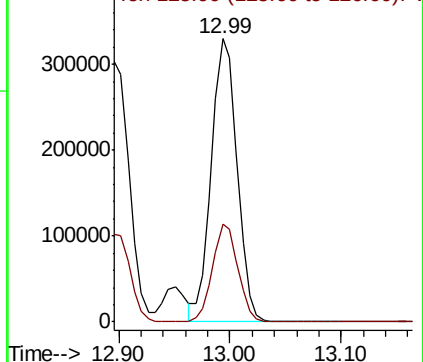
91 100

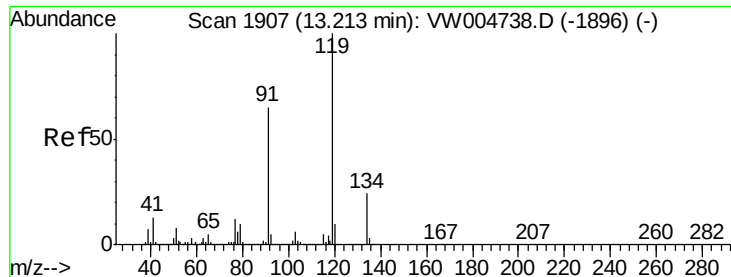
126 33.9 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

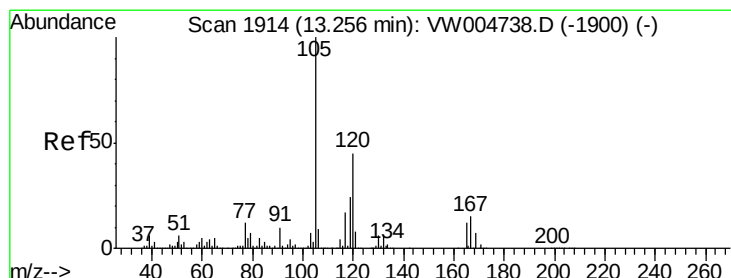
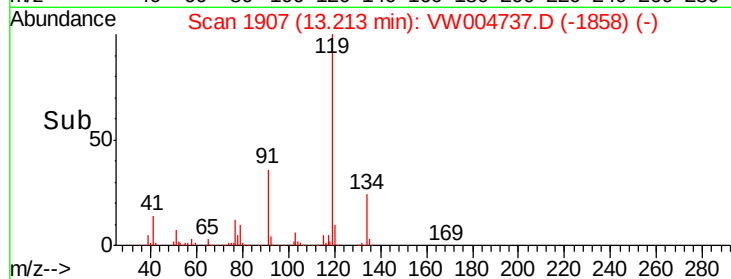
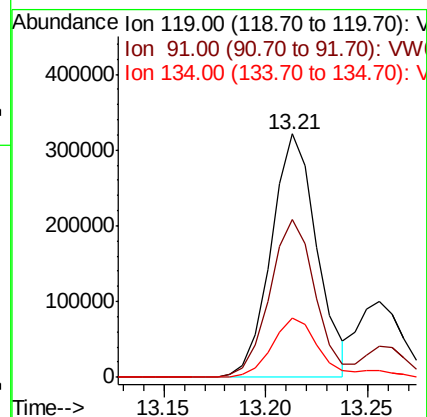
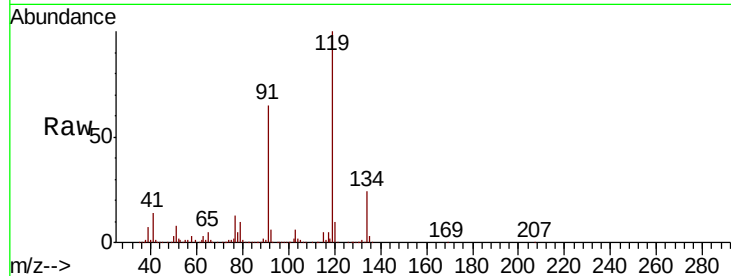




#83
 tert-Butylbenzene
 Concen: 20.037 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

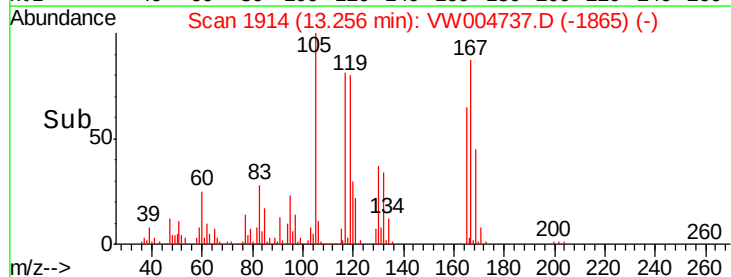
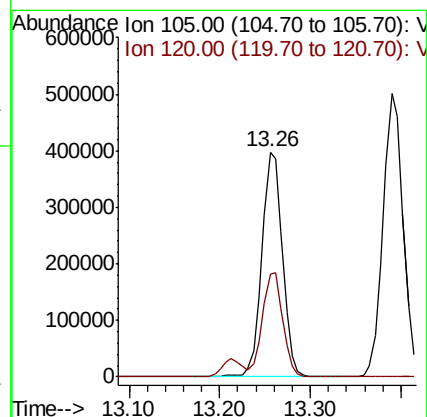
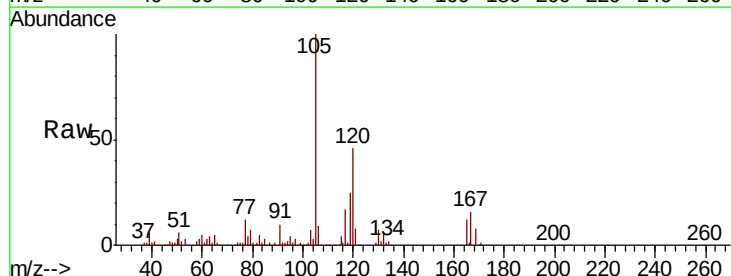
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

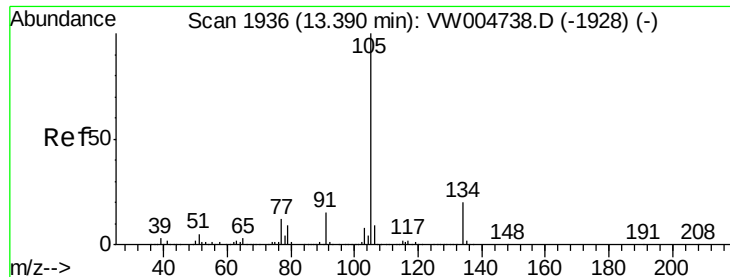
Tgt Ion:119 Resp: 504092
 Ion Ratio Lower Upper
 119 100
 91 65.2 32.6 97.8
 134 24.3 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.627 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion:105 Resp: 624206
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.8 68.3

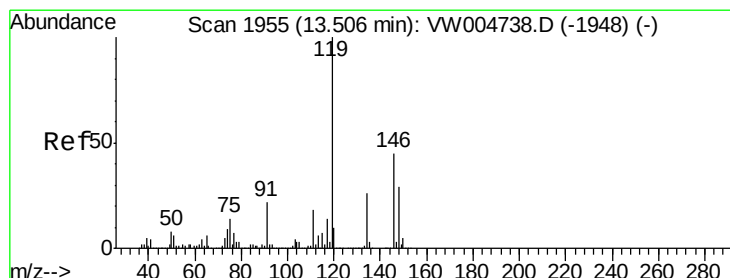
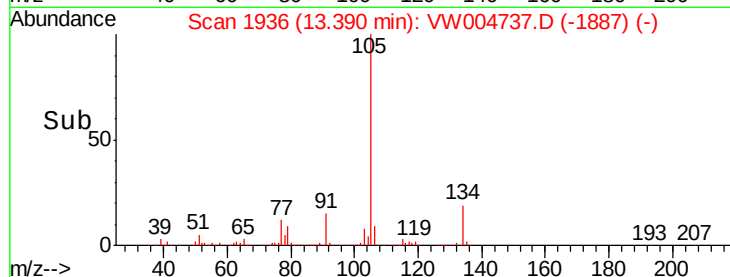
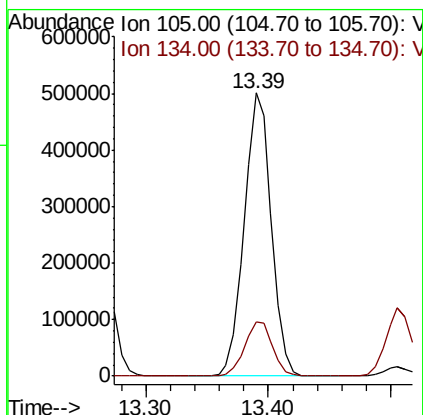
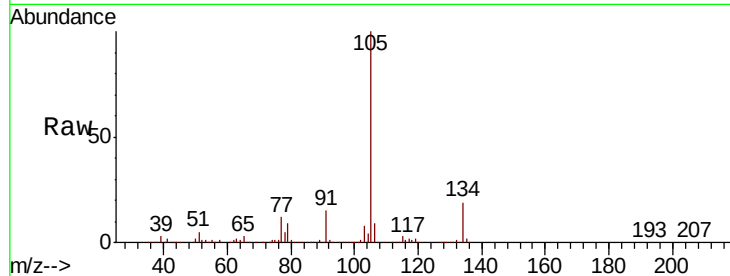




#85
 sec-Butylbenzene
 Concen: 20.392 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

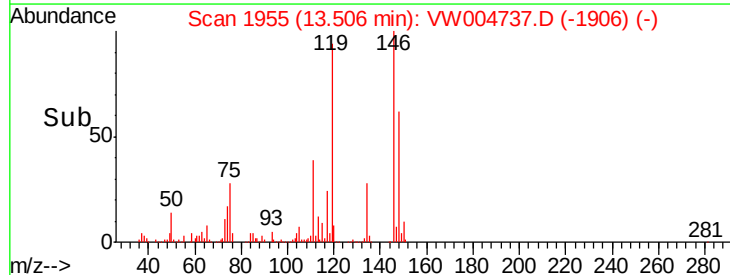
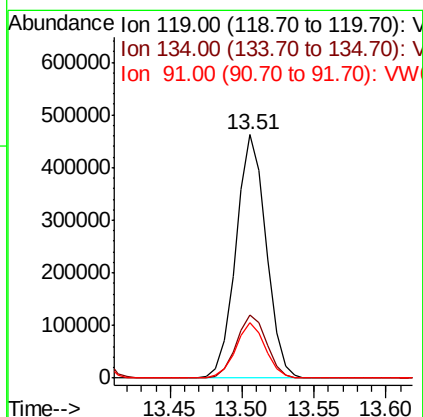
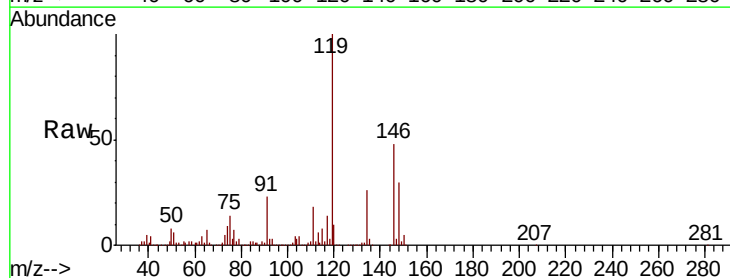
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

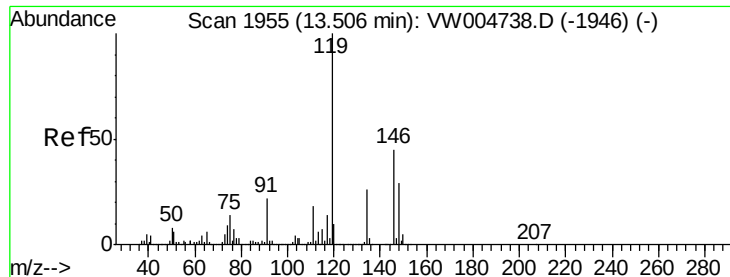
Tgt Ion:105 Resp: 765935
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 20.574 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion:119 Resp: 672408
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.3
 91 22.4 11.2 33.5

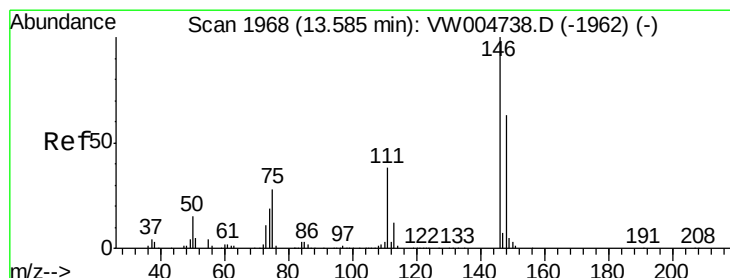
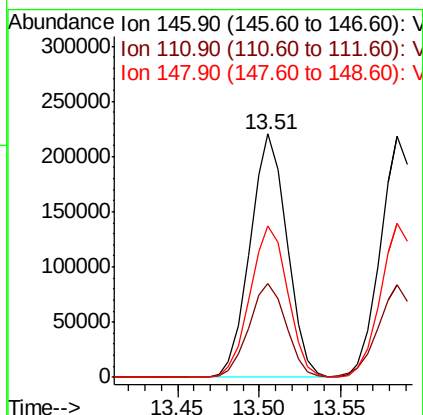
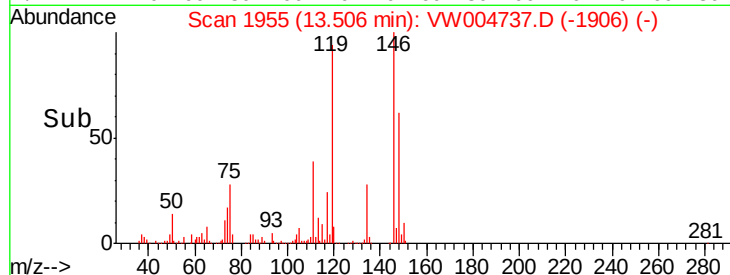
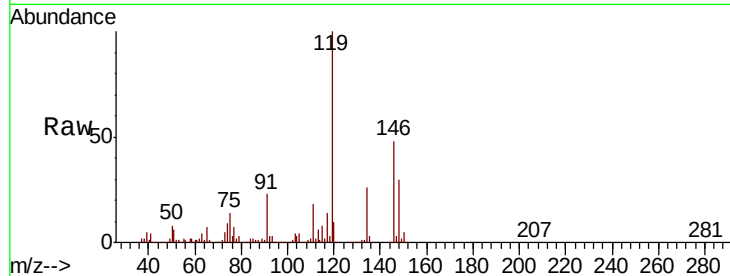




#87
 1,3-Dichlorobenzene
 Concen: 20.413 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

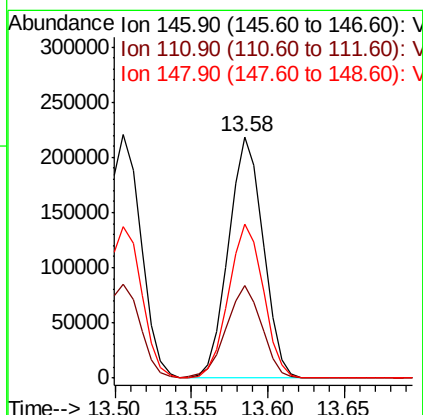
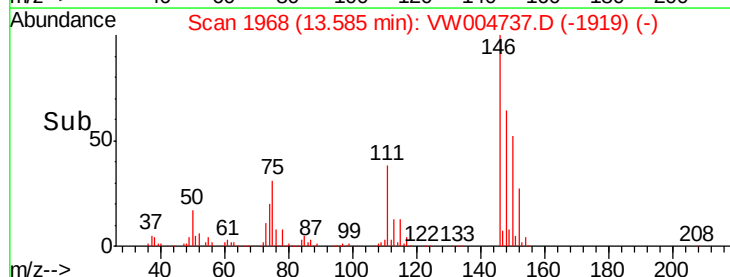
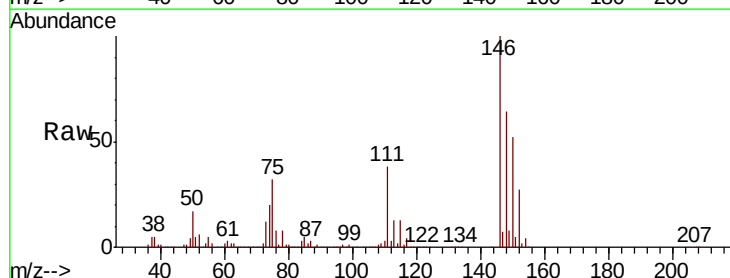
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

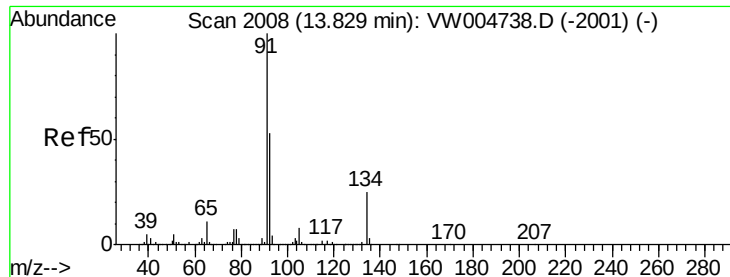
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.4
148	63.3	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 20.197 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.8
148	64.0	31.8	95.3





#89

n-Butylbenzene

Concen: 20.241 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004737.D

Acq: 17 Aug 2018 16:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

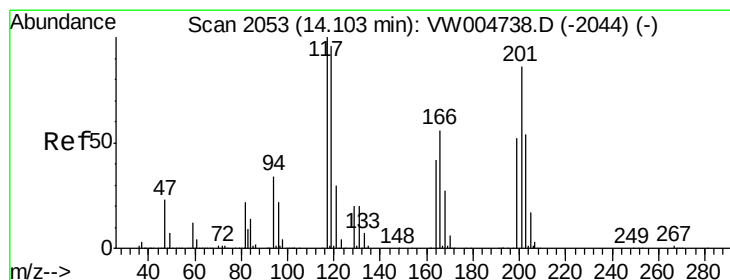
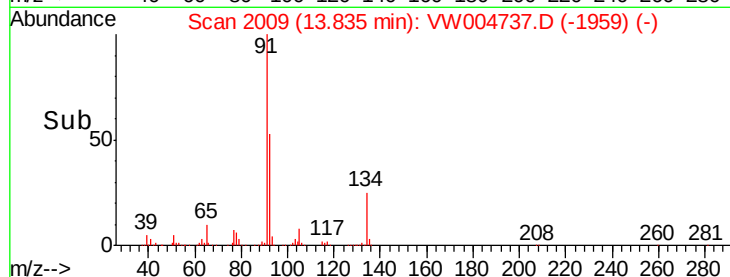
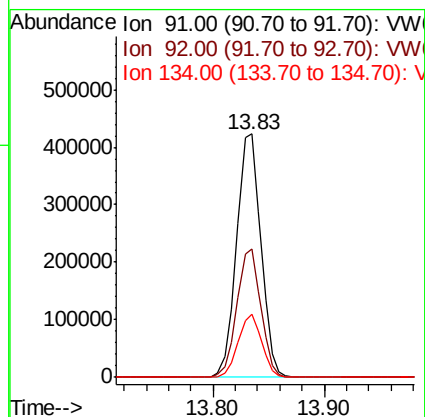
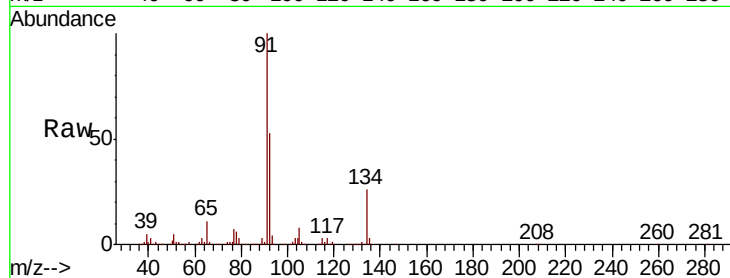
Tgt Ion: 91 Resp: 639599

Ion Ratio Lower Upper

91 100

92 52.0 26.4 79.2

134 25.2 12.8 38.3



#90

Hexachloroethane

Concen: 19.610 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW004737.D

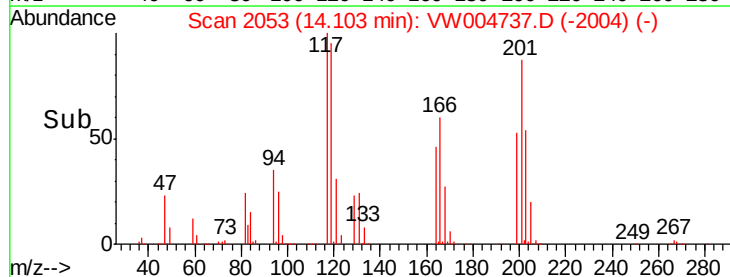
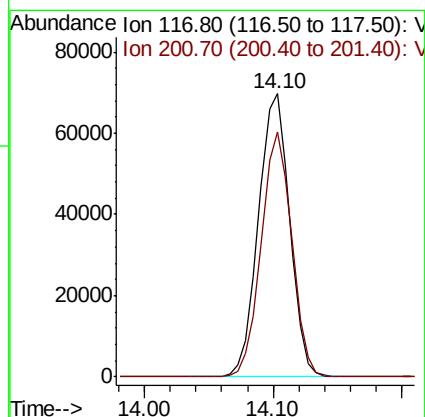
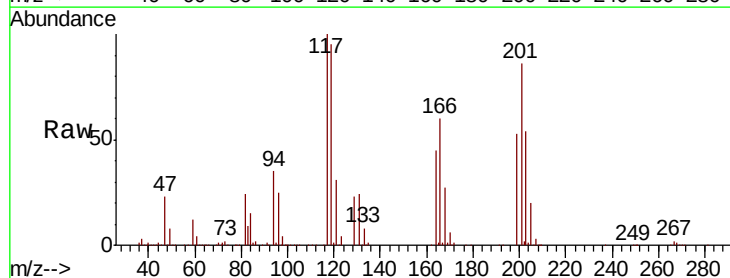
Acq: 17 Aug 2018 16:46

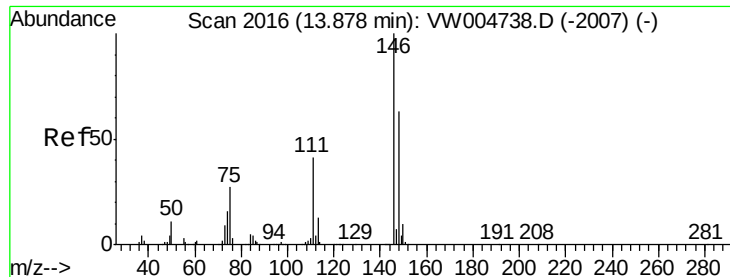
Tgt Ion: 117 Resp: 116821

Ion Ratio Lower Upper

117 100

201 84.5 42.4 127.2

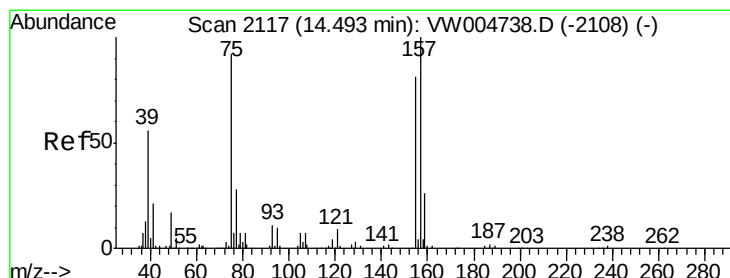
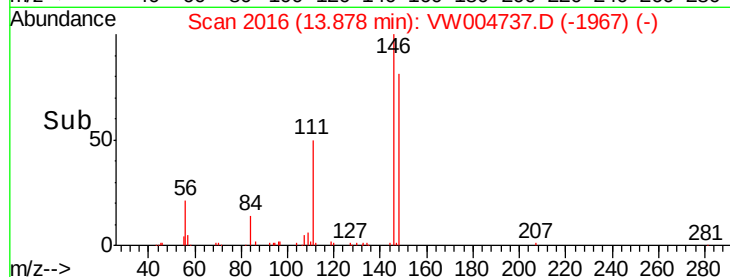
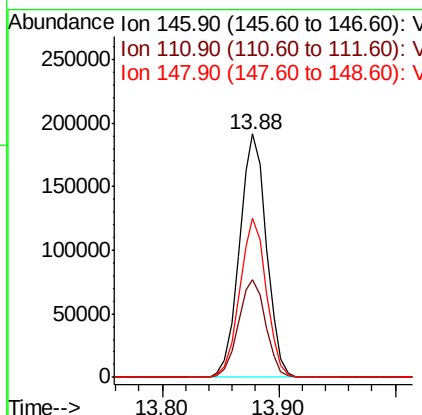
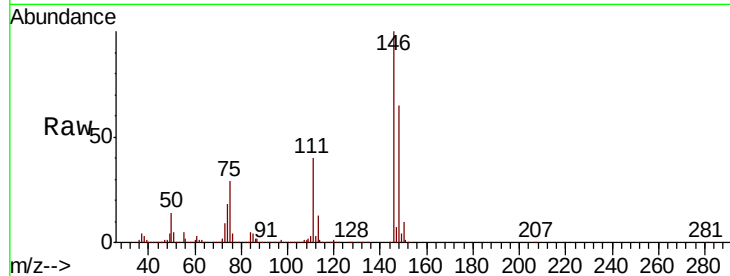




#91
 1,2-Dichlorobenzene
 Concen: 20.164 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

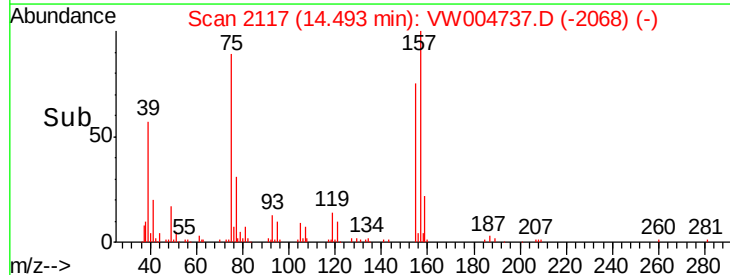
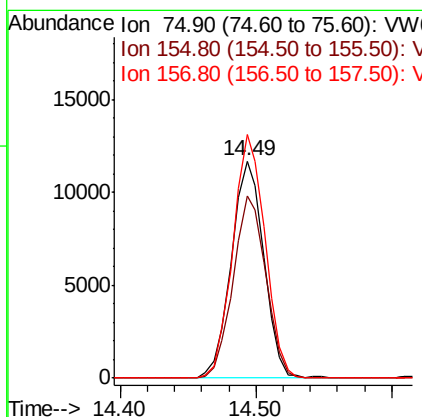
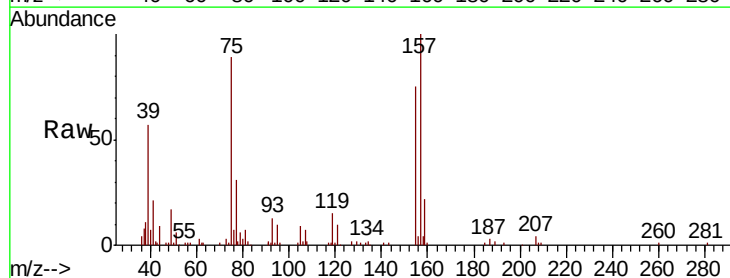
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

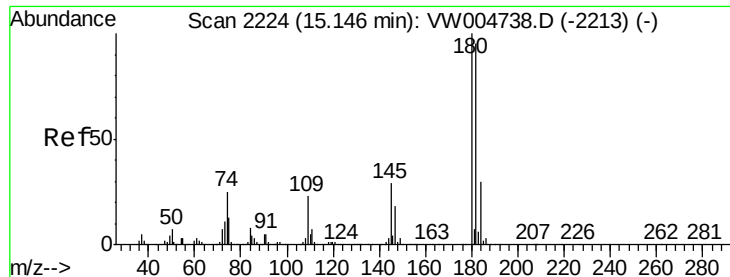
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.3
148	64.5	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.338 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	43.3	129.9
157	111.2	54.5	163.6

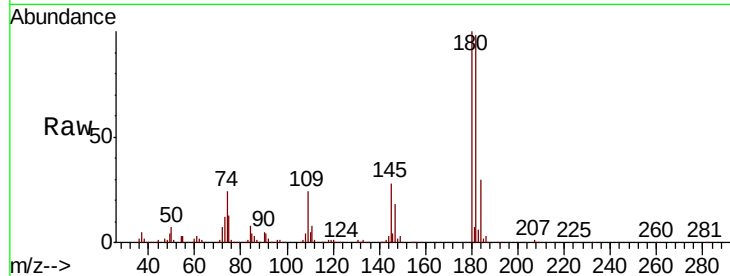




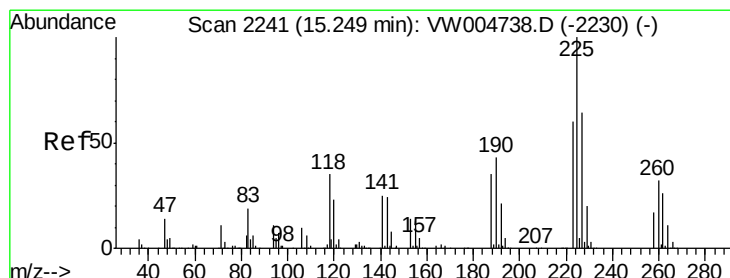
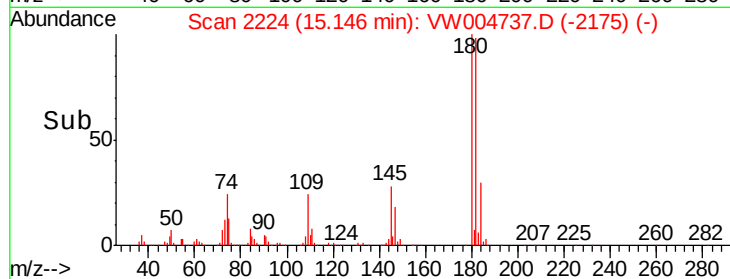
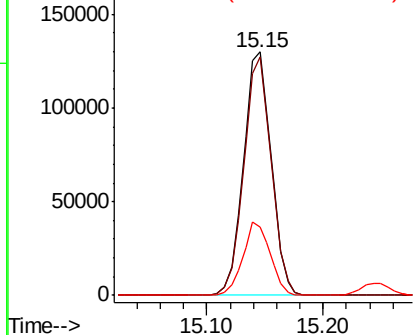
#93
 1,2,4-Trichlorobenzene
 Concen: 20.023 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	141.8
145	29.5	14.6	43.8

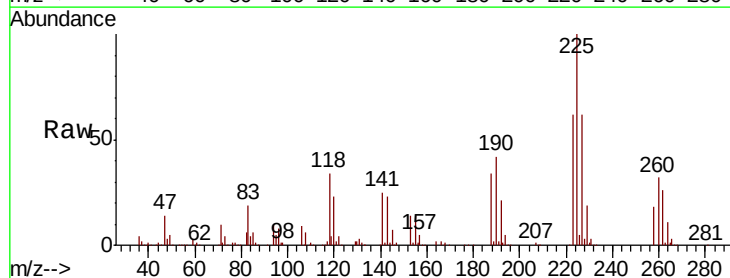


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

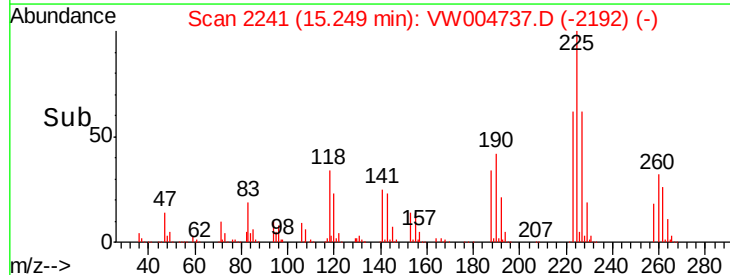
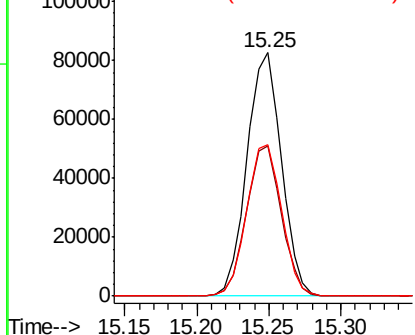


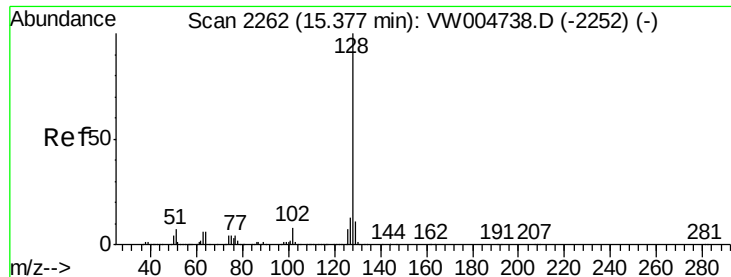
#94
 Hexachlorobutadiene
 Concen: 20.576 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW004737.D
 Acq: 17 Aug 2018 16:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.9	92.5
227	63.2	32.0	96.0



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

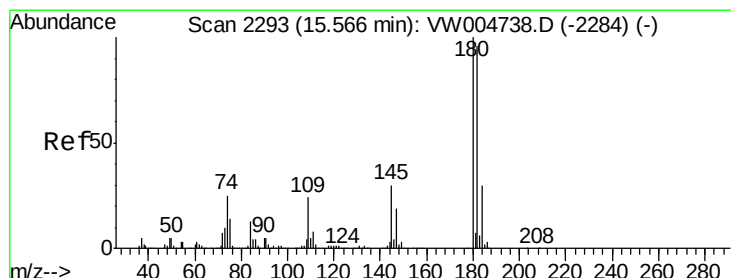
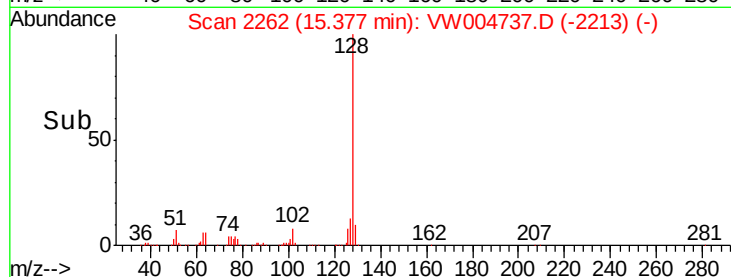
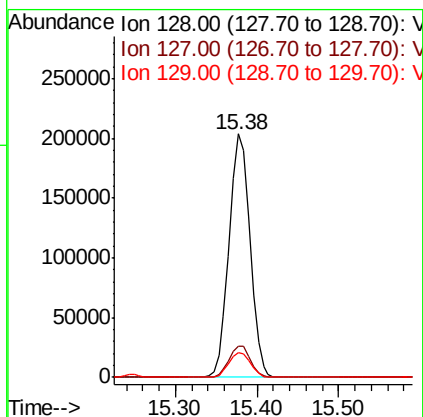
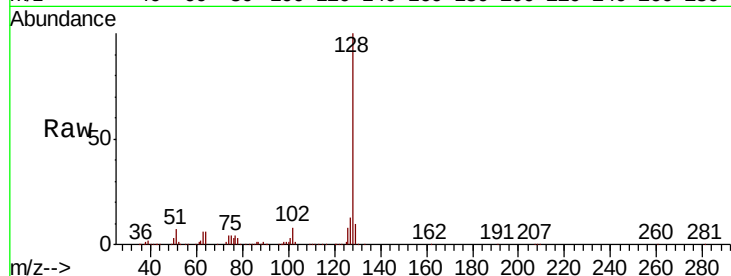




#95
Naphthalene
Concen: 19.238 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 360270
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.304 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW004737.D
Acq: 17 Aug 2018 16:46

Tgt Ion:180 Resp: 194972
Ion Ratio Lower Upper
180 100
182 94.9 47.3 142.0
145 31.0 15.4 46.1

