

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082918\
 Data File : VW004999.D
 Acq On : 29 Aug 2018 13:02
 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 30 01:22:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 01:20:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	505415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	684380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	715926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	402410	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	69158	20.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.00%	
35) Dibromofluoromethane	7.89	113	68029	20.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.12%	
50) Toluene-d8	10.33	98	380851	20.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.90%	
62) 4-Bromofluorobenzene	12.62	95	138438	20.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	97453	22.319	ug/l	93
3) Chloromethane	2.22	50	132827	21.420	ug/l	99
4) Vinyl Chloride	2.36	62	130460	21.077	ug/l	99
5) Bromomethane	2.78	94	81197	20.068	ug/l	100
6) Chloroethane	2.92	64	75553	20.642	ug/l	95
7) Trichlorofluoromethane	3.26	101	128869	20.136	ug/l	99
8) Diethyl Ether	3.69	74	36116	19.846	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	80569	20.396	ug/l	99
10) Methyl Iodide	4.28	142	107661	19.927	ug/l	99
11) Tert butyl alcohol	5.21	59	23257	112.700	ug/l #	73
12) 1,1-Dichloroethene	4.04	96	72896	19.752	ug/l	99
13) Acrolein	3.91	56	26753	90.749	ug/l	98
14) Allyl chloride	4.68	41	110068	19.368	ug/l	99
15) Acrylonitrile	5.39	53	88603	95.476	ug/l	98
16) Acetone	4.15	43	70309	90.180	ug/l	98
17) Carbon Disulfide	4.39	76	311072	20.053	ug/l	99
18) Methyl Acetate	4.68	43	34076	18.044	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	154962	19.539	ug/l	98
20) Methylene Chloride	4.92	84	126845	19.308	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	81514	20.341	ug/l	98
22) Diisopropyl ether	6.32	45	226831	19.553	ug/l	99
23) Vinyl Acetate	6.27	43	582584	98.223	ug/l	99
24) 1,1-Dichloroethane	6.23	63	139401	19.860	ug/l	98
25) 2-Butanone	7.18	43	116906	96.156	ug/l	97
26) 2,2-Dichloropropane	7.17	77	125765	20.414	ug/l	98
27) cis-1,2-Dichloroethene	7.18	96	86813	19.914	ug/l	99
28) Bromochloromethane	7.52	49	62131	20.130	ug/l	100
29) Tetrahydrofuran	7.54	42	58160	94.696	ug/l	99
30) Chloroform	7.68	83	138372	20.042	ug/l	100
31) Cyclohexane	7.96	56	147609	19.842	ug/l	93
32) 1,1,1-Trichloroethane	7.88	97	130902	20.606	ug/l	98
36) 1,1-Dichloropropene	8.09	75	119477	20.604	ug/l	98
37) Ethyl Acetate	7.26	43	43643	20.880	ug/l	99
38) Carbon Tetrachloride	8.07	117	117028	20.853	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	155734	19.482	ug/l	97
40) Benzene	8.33	78	384441	20.712	ug/l	98
41) Methacrylonitrile	7.49	41	23604	19.379	ug/l	98
42) 1,2-Dichloroethane	8.40	62	86034	20.830	ug/l	99
43) Isopropyl Acetate	8.43	43	79761	19.178	ug/l	99
44) Trichloroethene	9.10	130	97327	20.529	ug/l	100
45) 1,2-Dichloropropane	9.37	63	86718	20.420	ug/l	98
46) Dibromomethane	9.46	93	41805	20.798	ug/l	98
47) Bromodichloromethane	9.65	83	102380	20.614	ug/l	99
48) Methyl methacrylate	9.45	41	40676	18.420	ug/l	92
49) 1,4-Dioxane	9.48	88	16209	388.597	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	301207	96.698	ug/l	99
52) Toluene	10.40	92	286932	20.836	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	104317	19.667	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	126207	20.404	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66016	20.066	ug/l	95
56) Ethyl methacrylate	10.65	69	83580	19.368	ug/l	99
57) 1,3-Dichloropropane	10.94	76	108883	20.112	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	180354	97.008	ug/l	99
59) 2-Hexanone	10.98	43	216574	96.028	ug/l	98
60) Dibromochloromethane	11.13	129	72186	19.992	ug/l	99
61) 1,2-Dibromoethane	11.24	107	60897	19.744	ug/l	100
64) Tetrachloroethene	10.87	164	106025	20.312	ug/l	98
65) Chlorobenzene	11.66	112	318807	20.268	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	85013	19.678	ug/l	98
67) Ethyl Benzene	11.74	91	539357	20.026	ug/l	100
68) m/p-Xylenes	11.85	106	449849	40.951	ug/l	98
69) o-Xylene	12.17	106	203437	20.267	ug/l	100
70) Styrene	12.19	104	337564	20.273	ug/l	99
71) Bromoform	12.35	173	45412	18.905	ug/l #	99
73) Isopropylbenzene	12.47	105	544392	20.294	ug/l	99
74) N-amyl acetate	12.28	43	95258	18.817	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	78282	19.274	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	106810	21.263	ug/l #	100
77) Bromobenzene	12.75	156	132849	20.184	ug/l	99
78) n-propylbenzene	12.81	91	678687	20.511	ug/l	99
79) 2-Chlorotoluene	12.90	91	389798	20.396	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	490149	20.681	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	23177	18.379	ug/l	91
82) 4-Chlorotoluene	12.99	91	422659	20.757	ug/l	98
83) tert-Butylbenzene	13.21	119	397605	19.974	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	492182	20.467	ug/l	100
85) sec-Butylbenzene	13.39	105	593971	20.327	ug/l	100
86) p-Isopropyltoluene	13.51	119	532974	20.359	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	285091	20.432	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	279911	20.253	ug/l	99
89) n-Butylbenzene	13.83	91	485556	19.758	ug/l	99
90) Hexachloroethane	14.10	117	80937	19.668	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	247551	20.155	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13001	18.533	ug/l	96

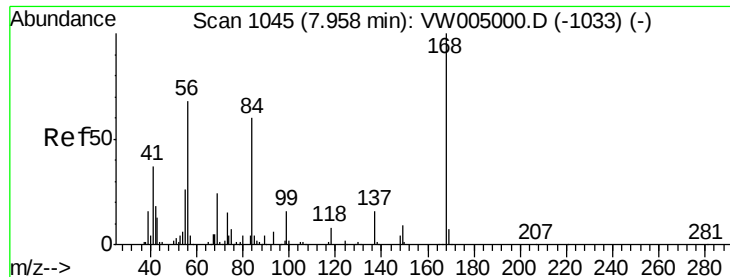
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082918\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	164418	19.108	ug/l	99
94) Hexachlorobutadiene	15.25	225	106849	19.837	ug/l	98
95) Naphthalene	15.38	128	253751	17.975	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	144282	18.980	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

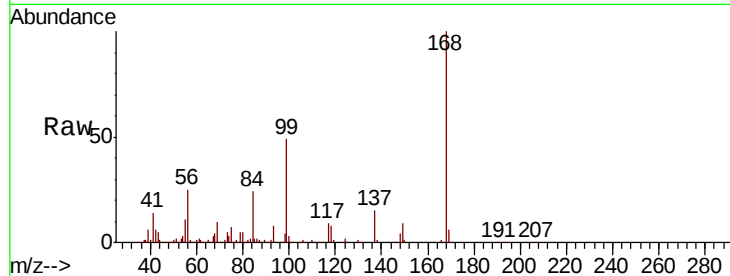
VSTDIC020

Tgt Ion:168 Resp: 505415

Ion Ratio Lower Upper

168 100

99 48.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

150000

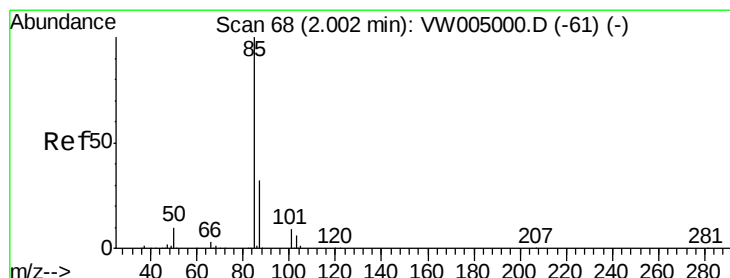
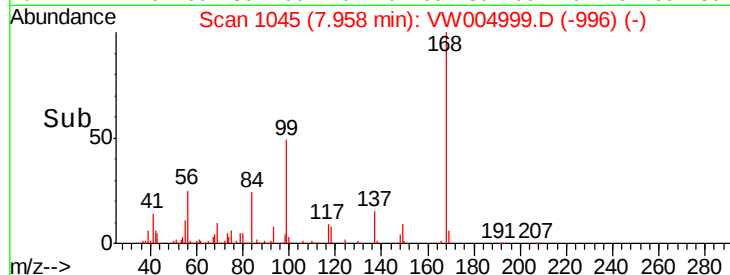
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50000

0

7.80 7.90 8.00 8.10 8.20

Time-->



#2

Dichlorodifluoromethane

Concen: 22.319 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004999.D

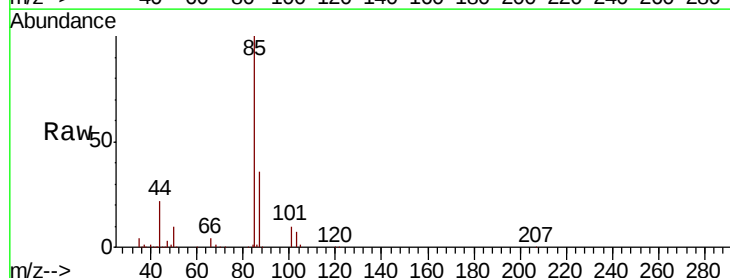
Acq: 29 Aug 2018 13:02

Tgt Ion: 85 Resp: 97453

Ion Ratio Lower Upper

85 100

87 35.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

60000

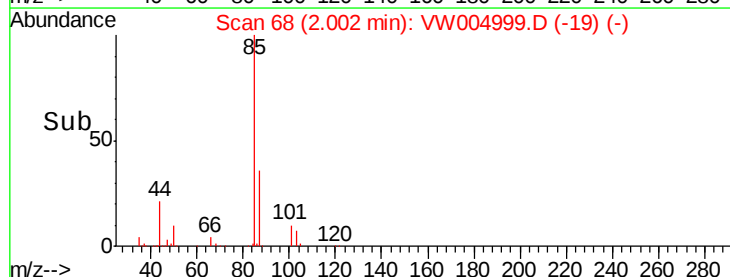
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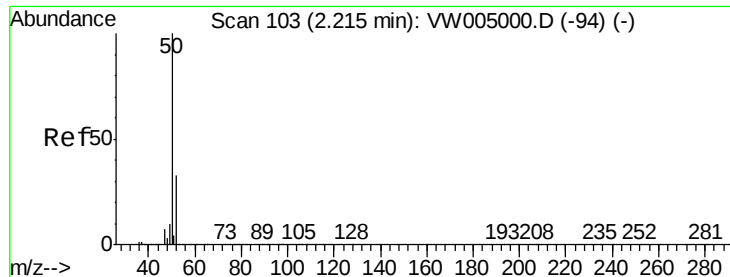
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 21.420 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

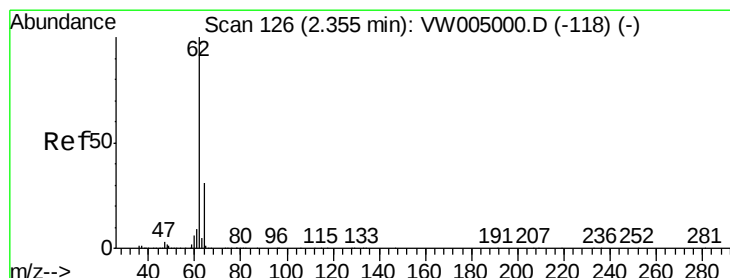
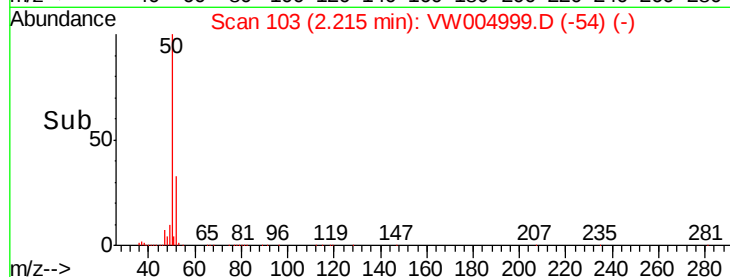
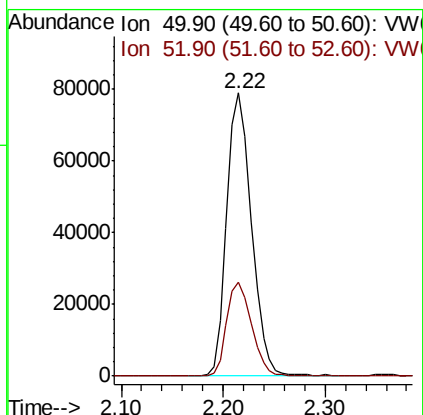
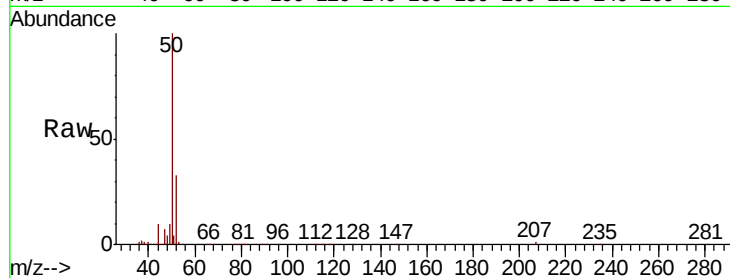
VSTDIC020

Tgt Ion: 50 Resp: 132827

Ion Ratio Lower Upper

50 100

52 33.2 26.1 39.1



#4

Vinyl Chloride

Concen: 21.077 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW004999.D

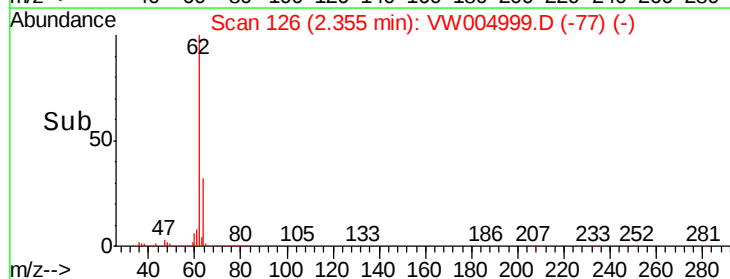
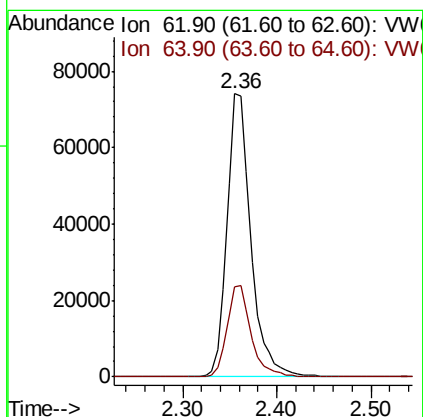
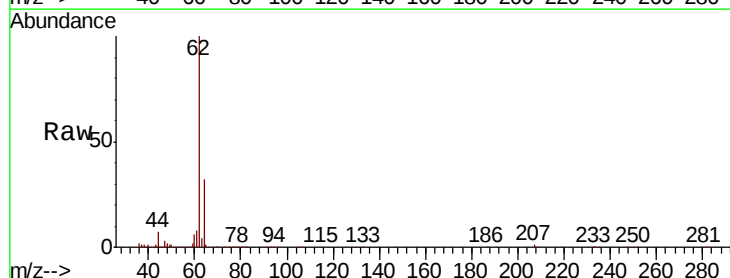
Acq: 29 Aug 2018 13:02

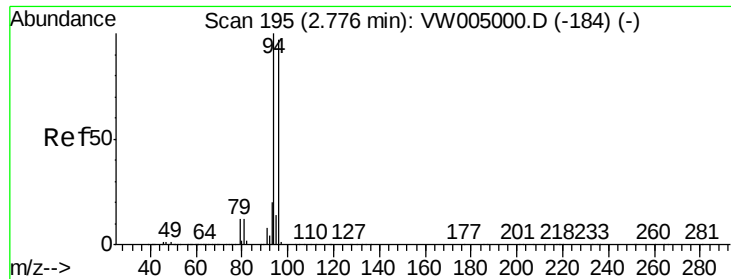
Tgt Ion: 62 Resp: 130460

Ion Ratio Lower Upper

62 100

64 31.6 24.8 37.2

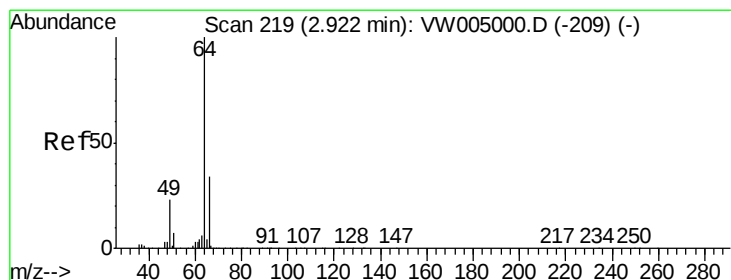
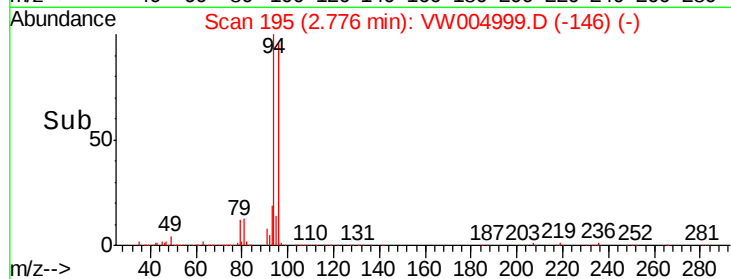
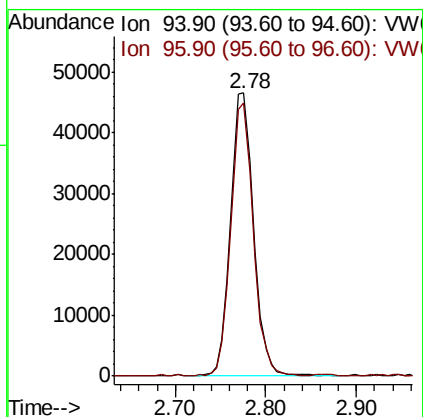
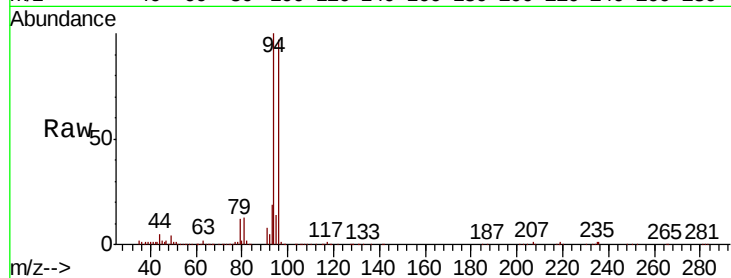




#5
Bromomethane
Concen: 20.068 ug/l
RT: 2.78 min Scan# 195
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

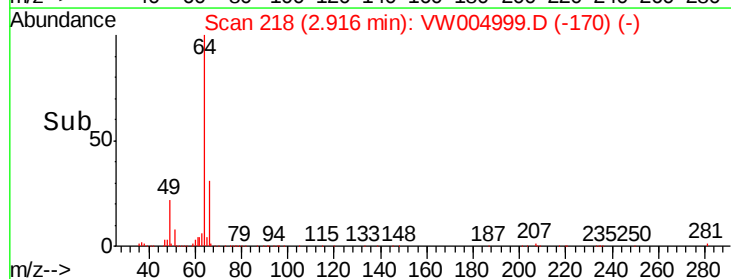
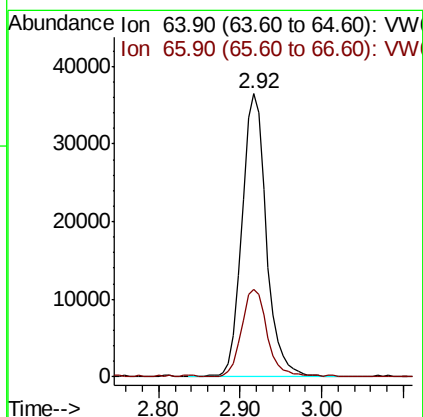
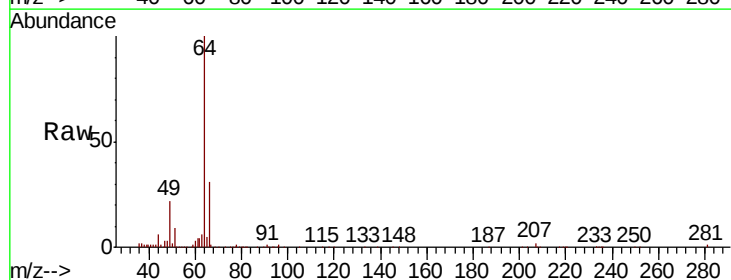
Instrument :
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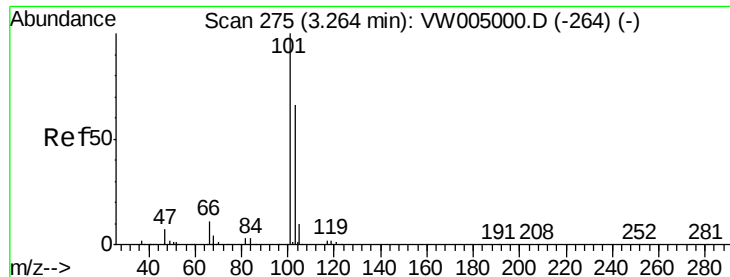
Tgt Ion: 94 Resp: 81197
Ion Ratio Lower Upper
94 100
96 96.5 77.5 116.3



#6
Chloroethane
Concen: 20.642 ug/l
RT: 2.92 min Scan# 218
Delta R.T. -0.01 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion: 64 Resp: 75553
Ion Ratio Lower Upper
64 100
66 30.9 26.8 40.2



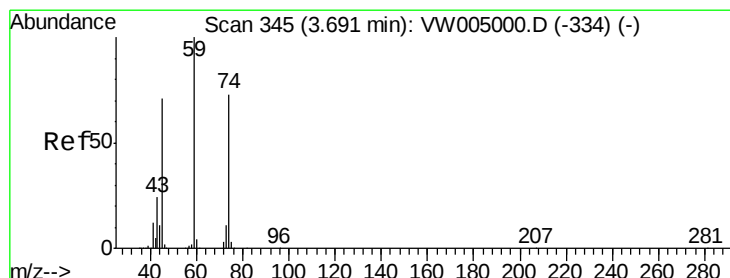
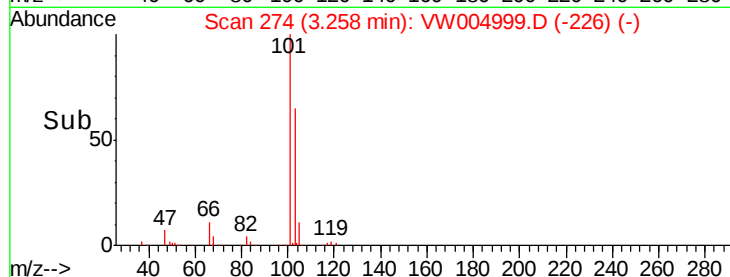
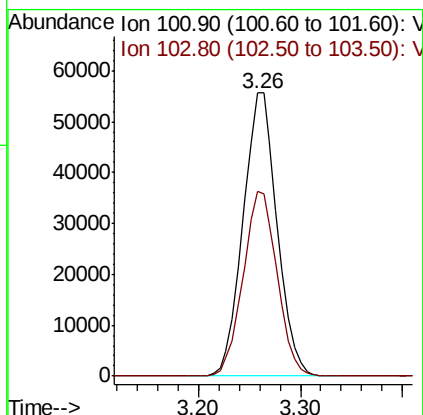
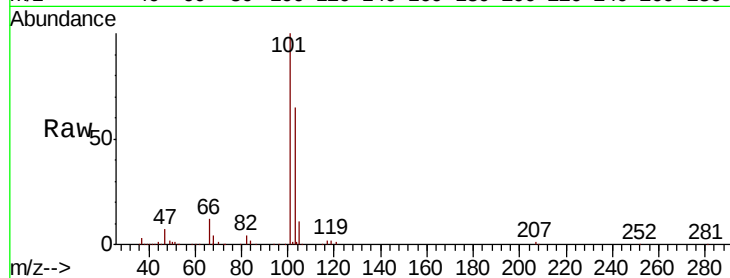


#7

Trichlorofluoromethane
 Concen: 20.136 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. -0.01 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Instrument :
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 ClientSampleId :
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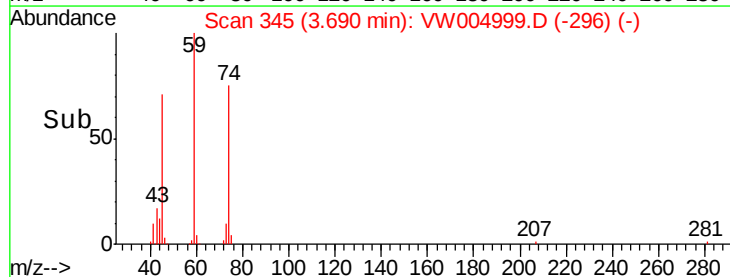
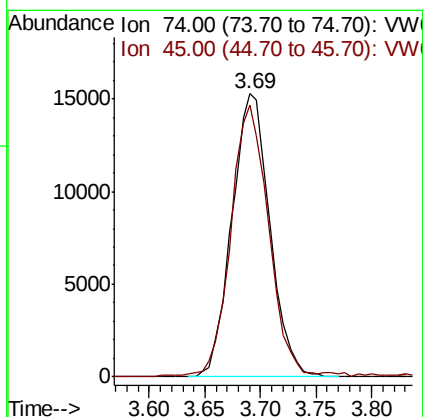
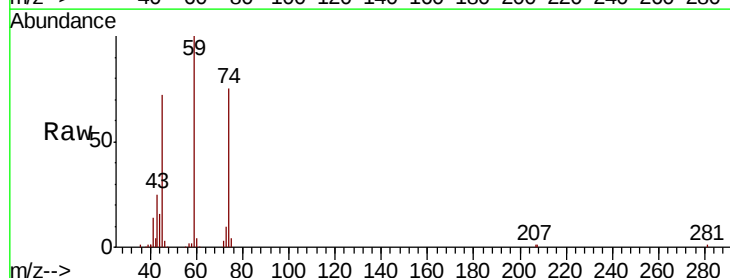
Tgt Ion: 101 Resp: 128869
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.6 78.8

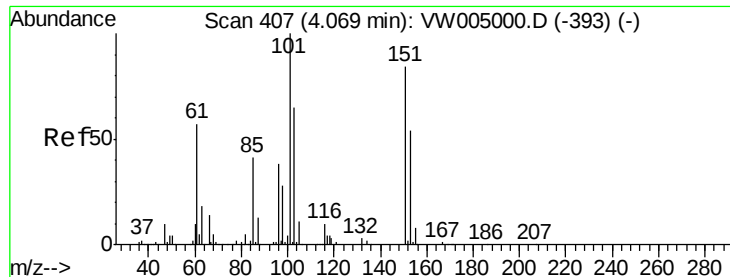


#8

Diethyl Ether
 Concen: 19.846 ug/l
 RT: 3.69 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion: 74 Resp: 36116
 Ion Ratio Lower Upper
 74 100
 45 96.6 47.8 143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.396 ug/l

RT: 4.07 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

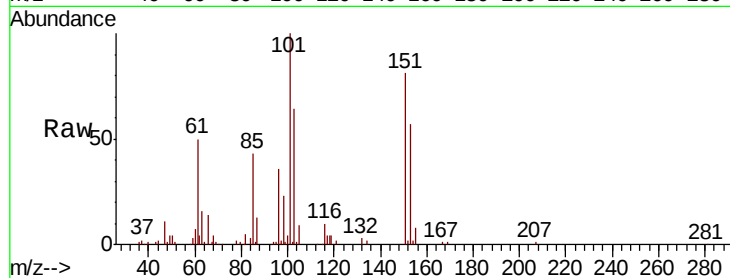
Tgt Ion:101 Resp: 80569

Ion Ratio Lower Upper

101 100

85 42.0 33.4 50.0

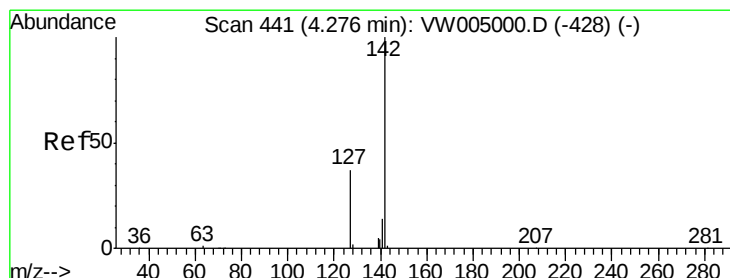
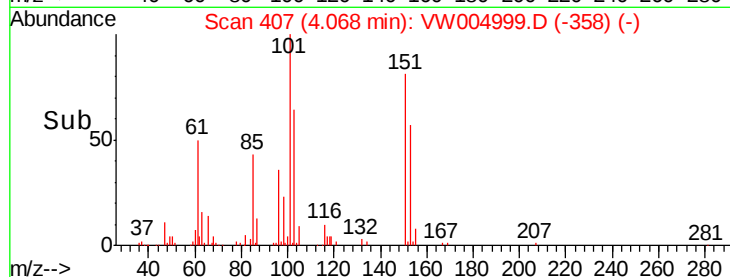
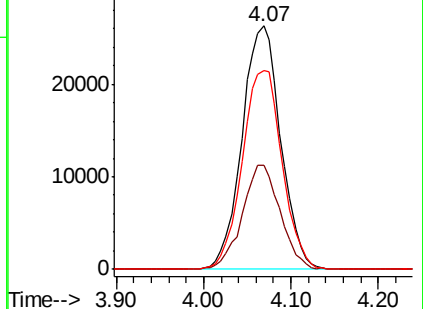
151 84.3 67.0 100.4



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: 19.927 ug/l

RT: 4.28 min Scan# 441

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

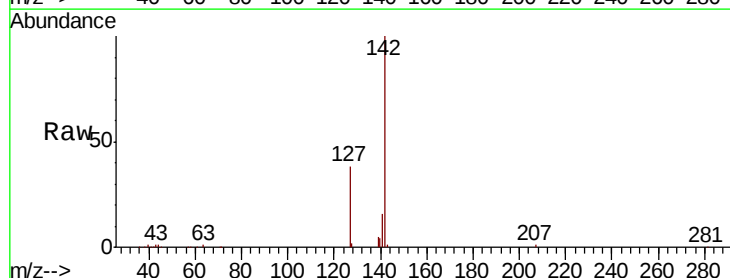
Tgt Ion:142 Resp: 107661

Ion Ratio Lower Upper

142 100

127 38.8 31.1 46.7

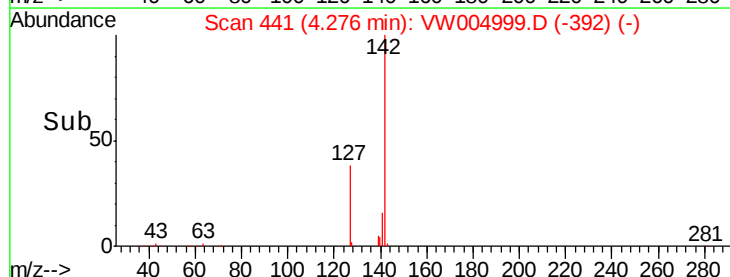
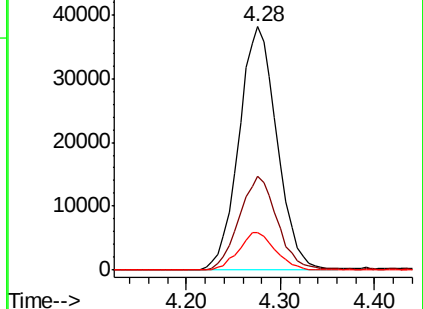
141 15.0 11.4 17.2

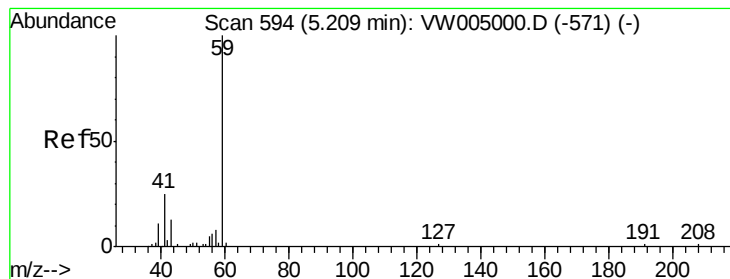


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



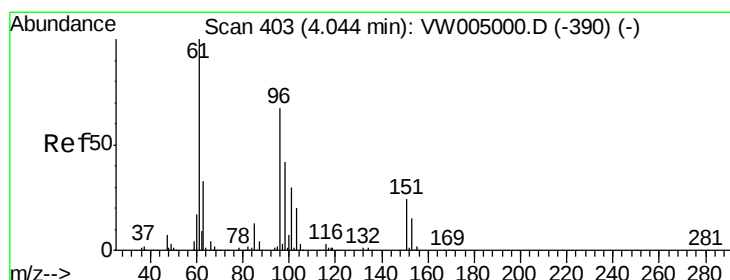
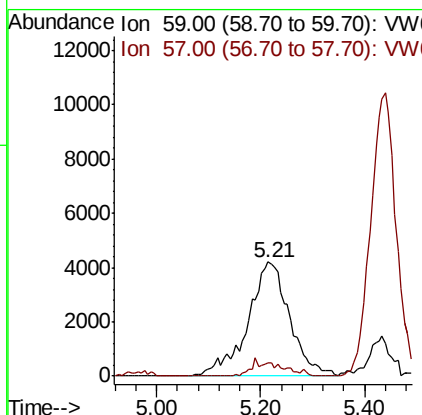
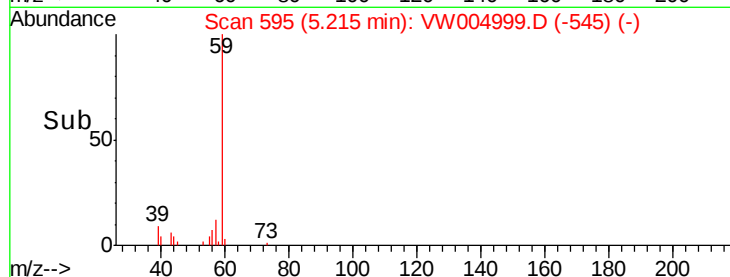
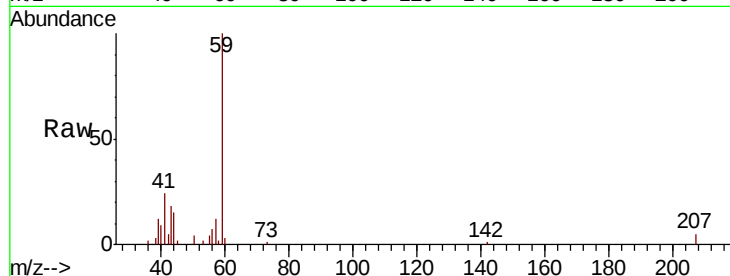


#11

Tert butyl alcohol
Concen: 112.700 ug/l
RT: 5.21 min Scan# 595
Delta R.T. 0.01 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

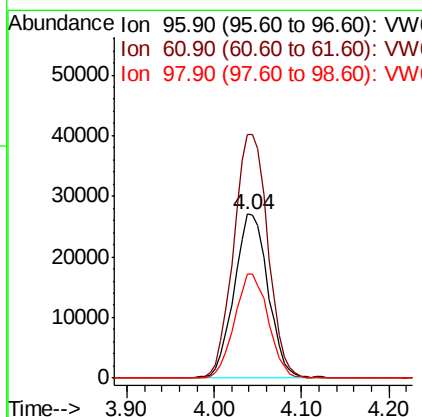
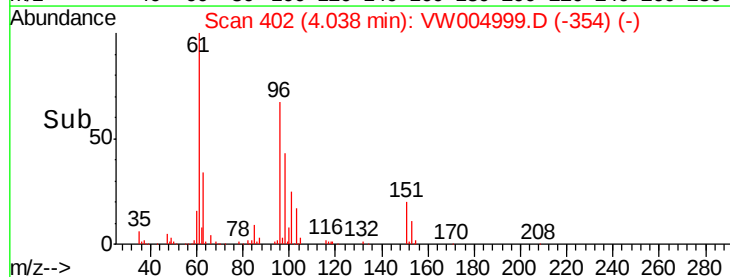
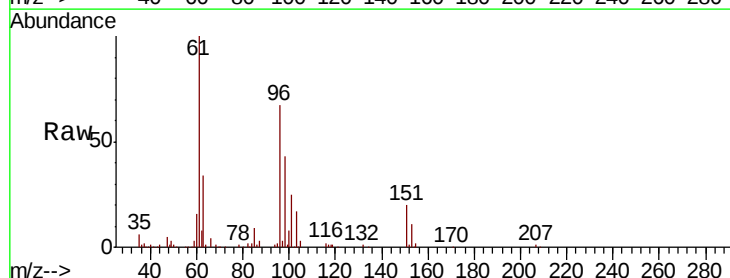
Tgt Ion: 59 Resp: 23257
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

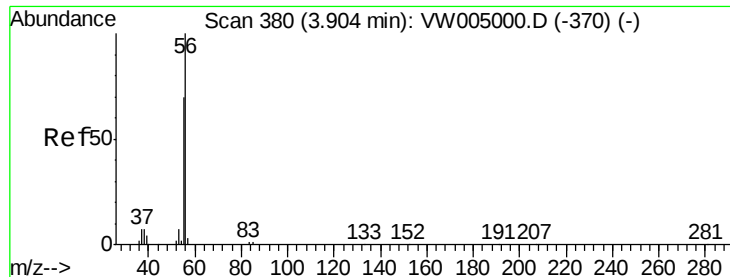


#12

1,1-Dichloroethene
Concen: 19.752 ug/l
RT: 4.04 min Scan# 402
Delta R.T. -0.01 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion: 96 Resp: 72896
Ion Ratio Lower Upper
96 100
61 148.4 119.5 179.3
98 63.3 50.4 75.6





#13

Acrolein

Concen: 90.749 ug/l

RT: 3.91 min Scan# 381

Delta R.T. 0.01 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

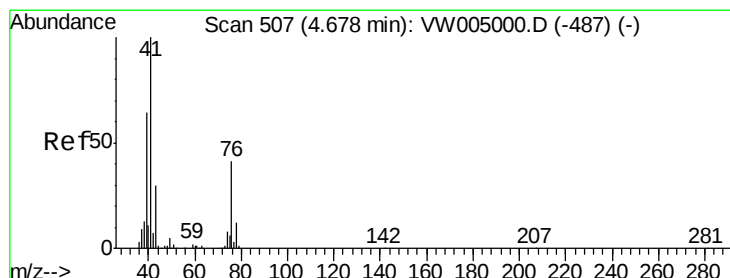
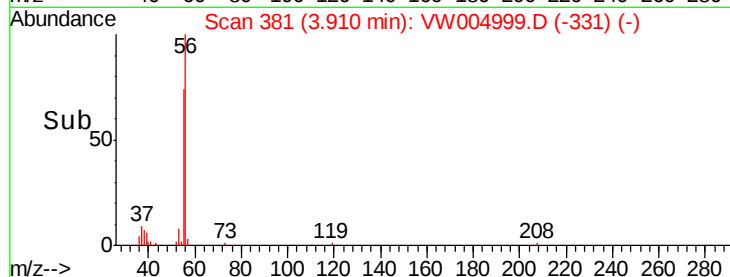
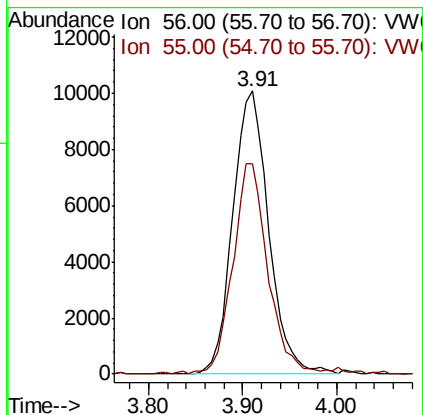
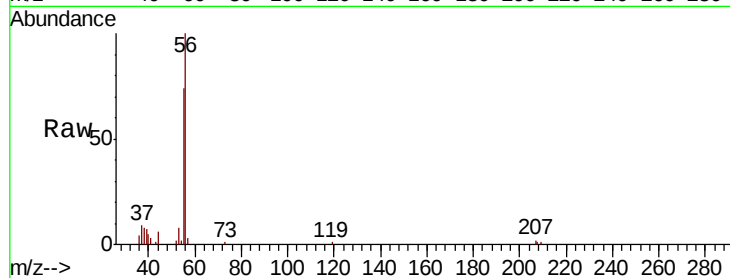
VSTDIC020

Tgt Ion: 56 Resp: 26753

Ion Ratio Lower Upper

56 100

55 72.2 56.4 84.6



#14

Allyl chloride

Concen: 19.368 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

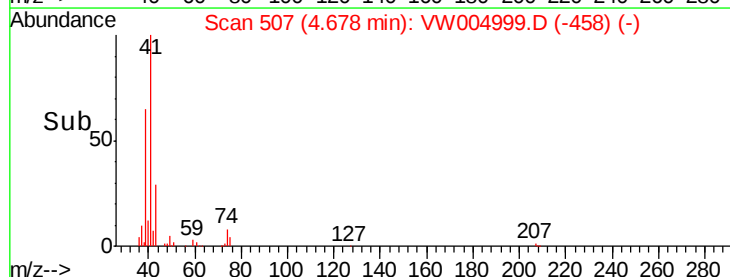
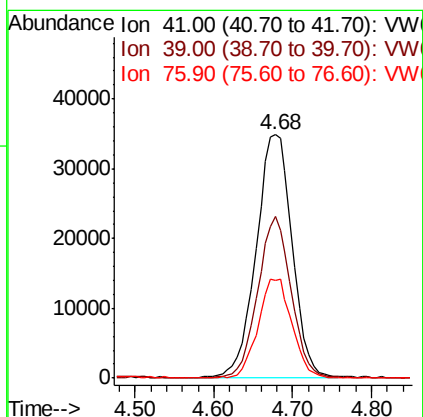
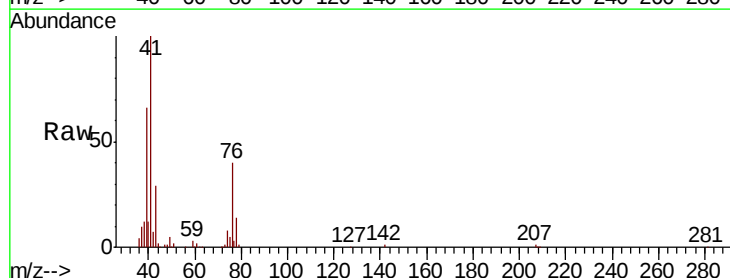
Tgt Ion: 41 Resp: 110068

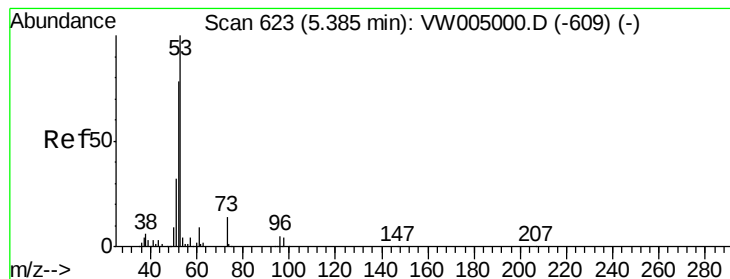
Ion Ratio Lower Upper

41 100

39 62.1 49.4 74.2

76 38.5 31.4 47.2





#15

Acrylonitrile

Concen: 95.476 ug/l

RT: 5.39 min Scan# 623

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

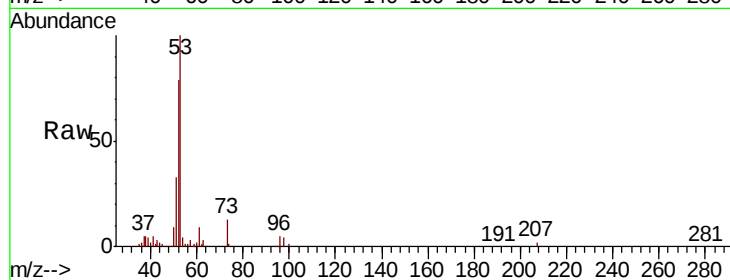
Tgt Ion: 53 Resp: 88603

Ion Ratio Lower Upper

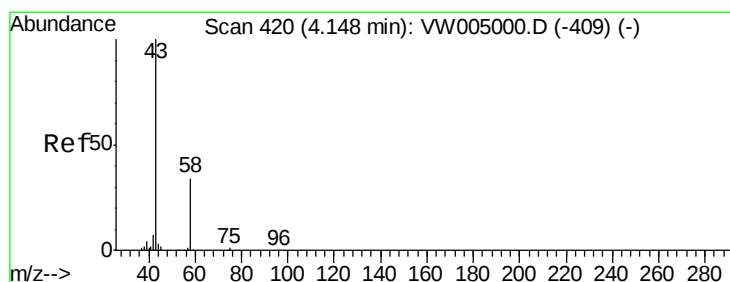
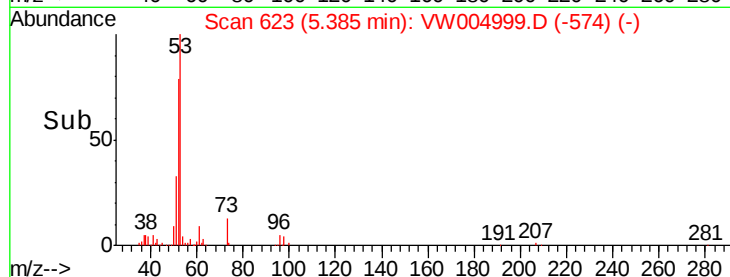
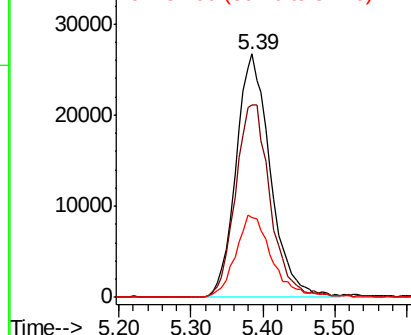
53 100

52 79.2 65.0 97.6

51 35.8 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 90.180 ug/l

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VW004999.D

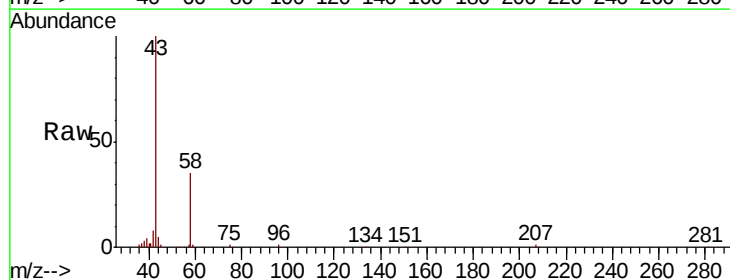
Acq: 29 Aug 2018 13:02

Tgt Ion: 43 Resp: 70309

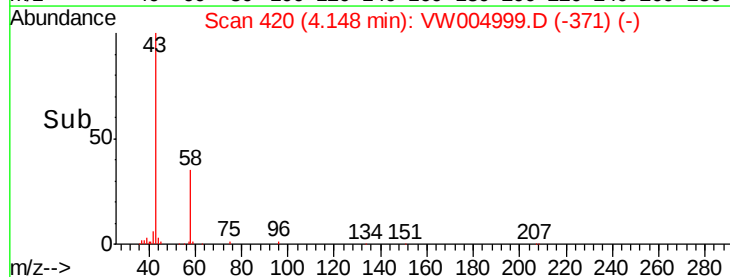
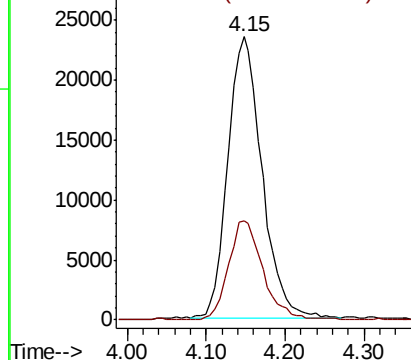
Ion Ratio Lower Upper

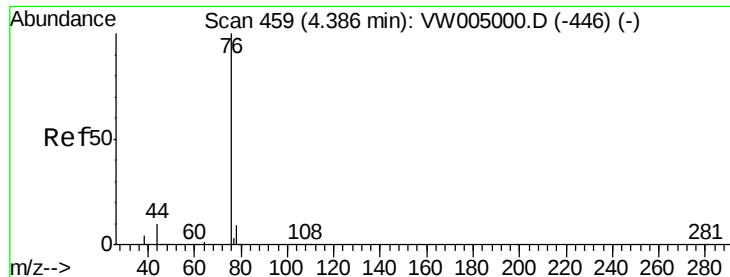
43 100

58 35.1 27.2 40.8



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

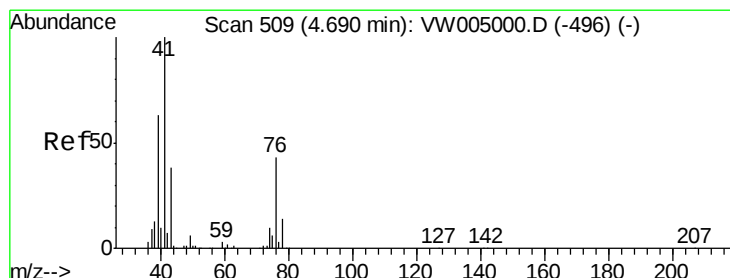
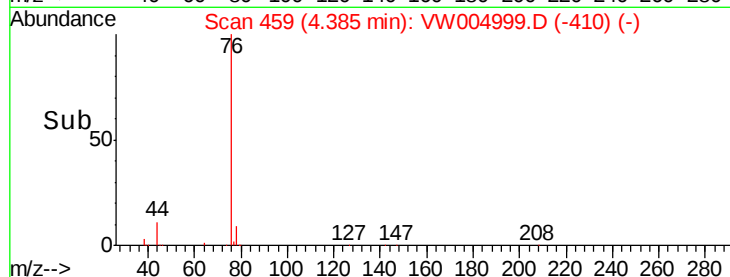
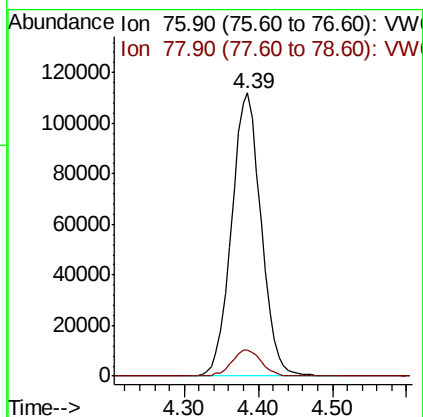
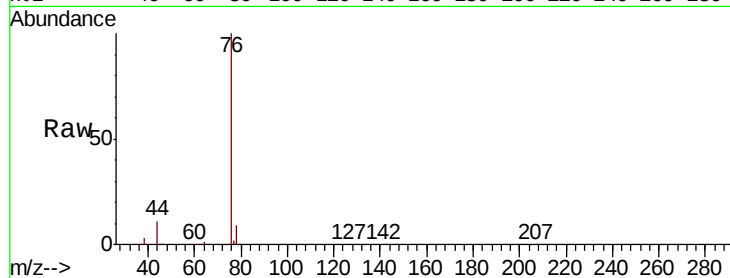




#17
Carbon Disulfide
Concen: 20.053 ug/l
RT: 4.39 min Scan# 459
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

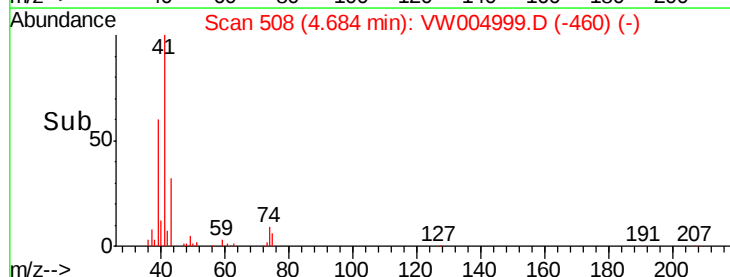
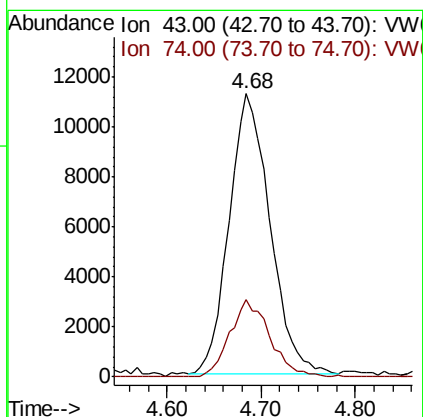
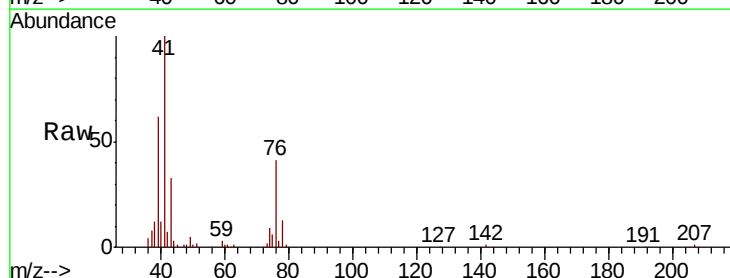
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

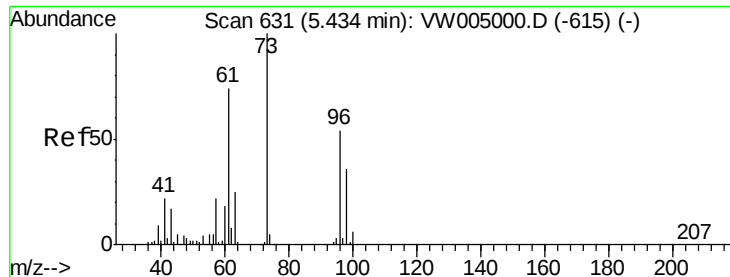
Tgt Ion: 76 Resp: 311072
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 18.044 ug/l
RT: 4.68 min Scan# 508
Delta R.T. -0.01 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion: 43 Resp: 34076
Ion Ratio Lower Upper
43 100
74 26.7 20.3 30.5

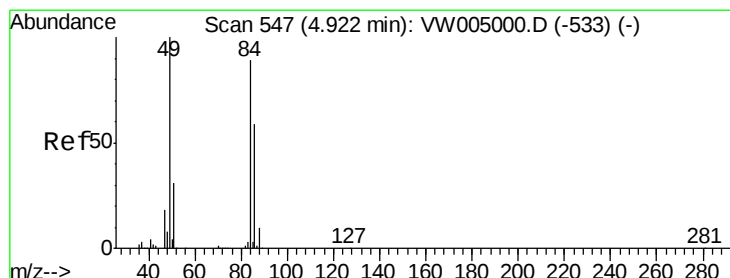
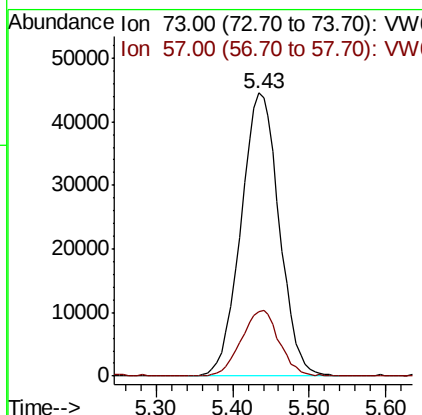
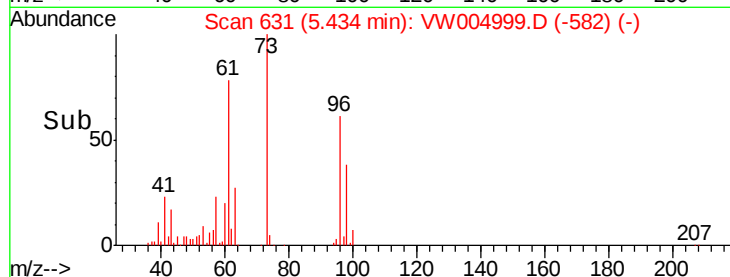
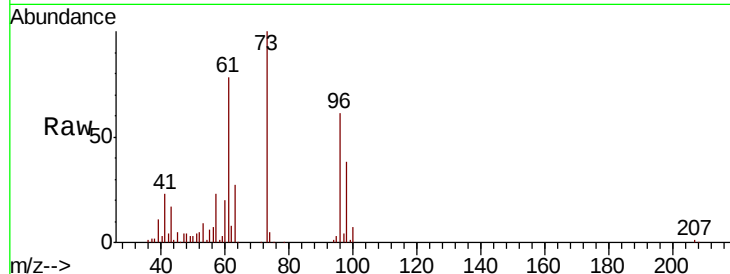




#19
Methyl tert-butyl Ether
Concen: 19.539 ug/l
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

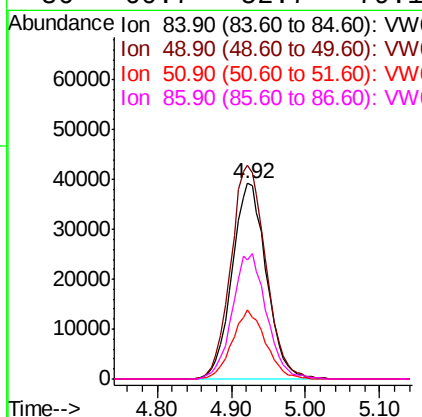
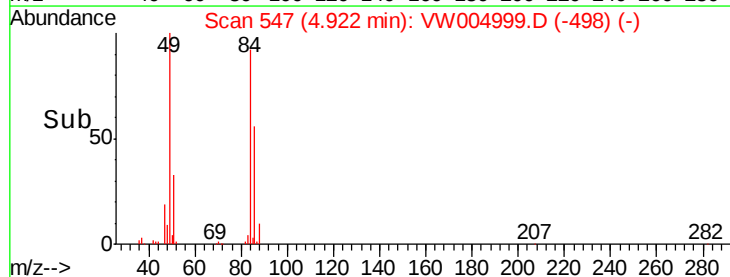
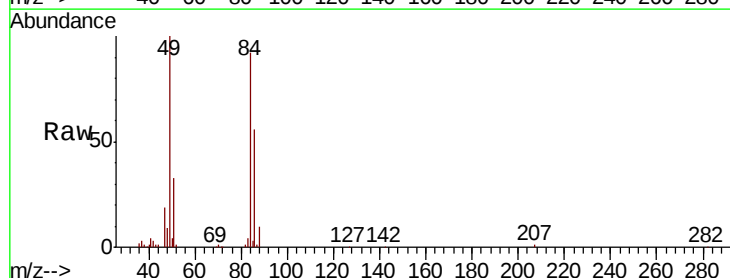
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

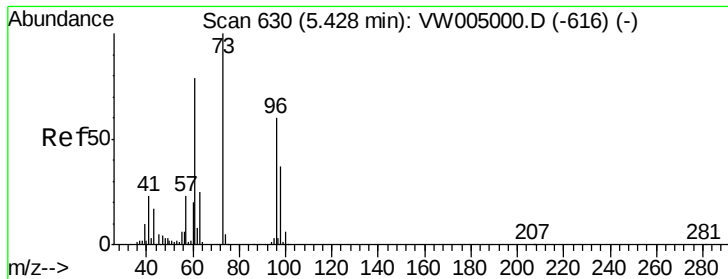
Tgt Ion: 73 Resp: 154962
Ion Ratio Lower Upper
73 100
57 22.9 17.6 26.4



#20
Methylene Chloride
Concen: 19.308 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion: 84 Resp: 126845
Ion Ratio Lower Upper
84 100
49 109.1 89.7 134.5
51 35.5 27.5 41.3
86 60.7 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 20.341 ug/l

RT: 5.43 min Scan# 630

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

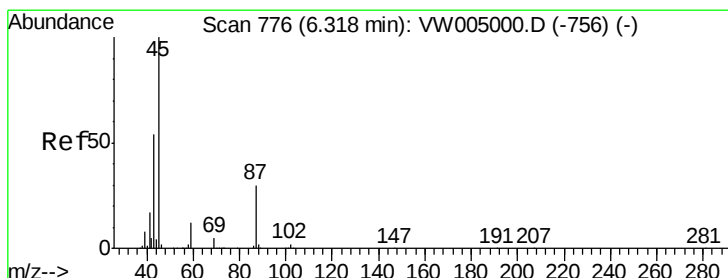
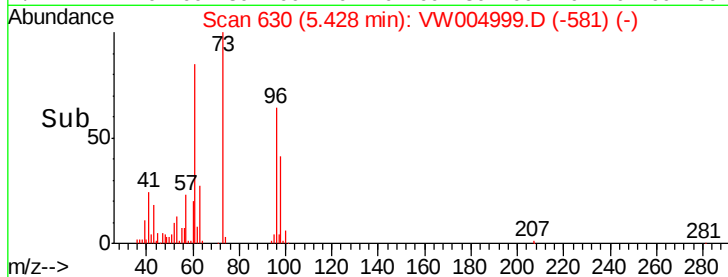
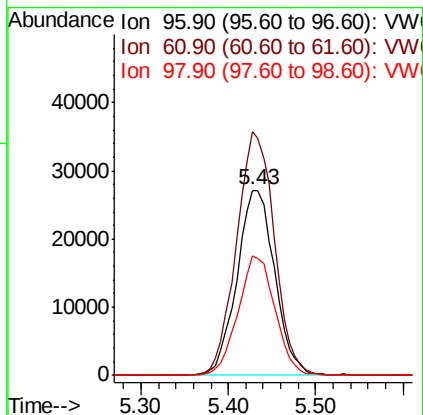
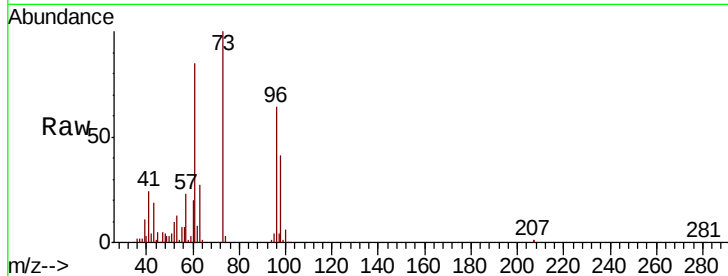
Tgt Ion: 96 Resp: 81514

Ion Ratio Lower Upper

96 100

61 131.4 106.2 159.2

98 64.3 49.5 74.3



#22

Diisopropyl ether

Concen: 19.553 ug/l

RT: 6.32 min Scan# 777

Delta R.T. 0.01 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Tgt Ion: 45 Resp: 226831

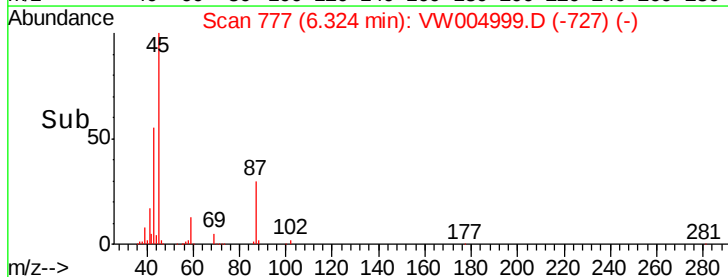
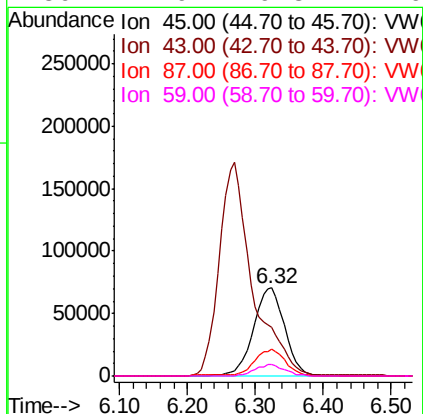
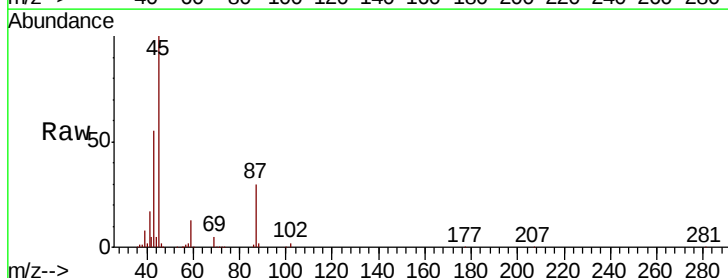
Ion Ratio Lower Upper

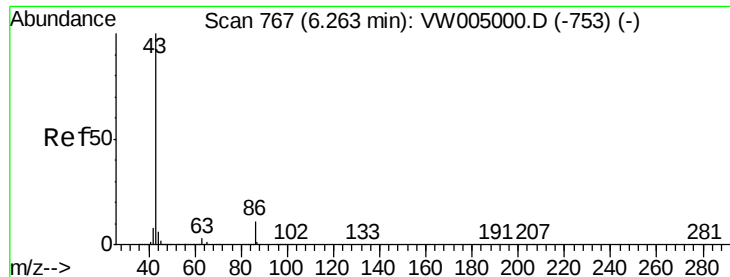
45 100

43 54.9 43.5 65.3

87 30.0 23.8 35.8

59 12.9 9.8 14.6

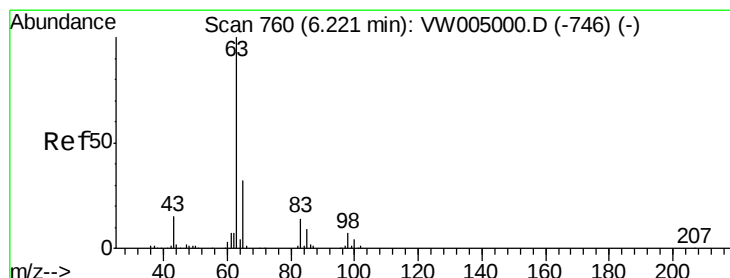
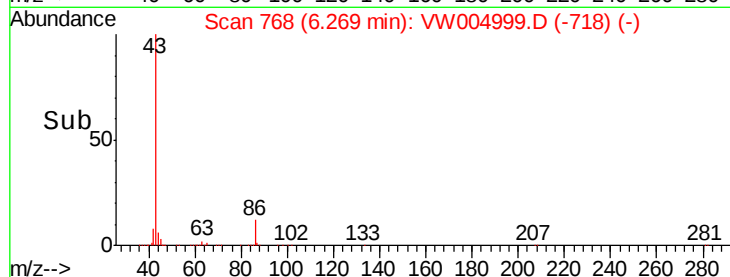
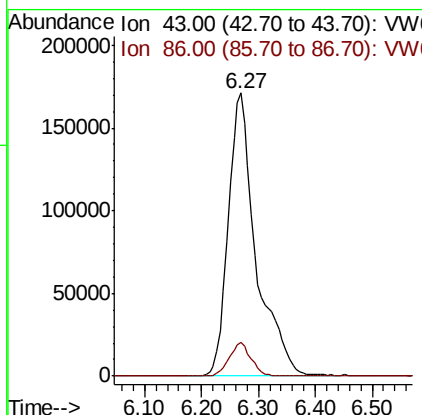
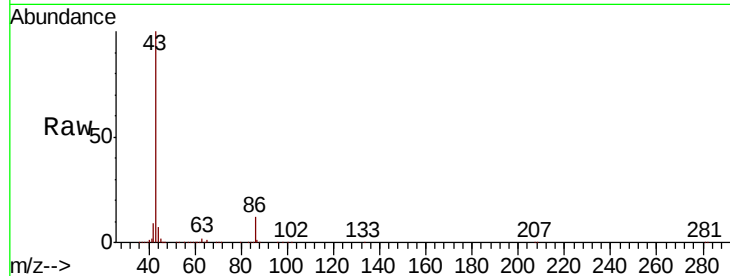




#23
 Vinyl Acetate
 Concen: 98.223 ug/l
 RT: 6.27 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

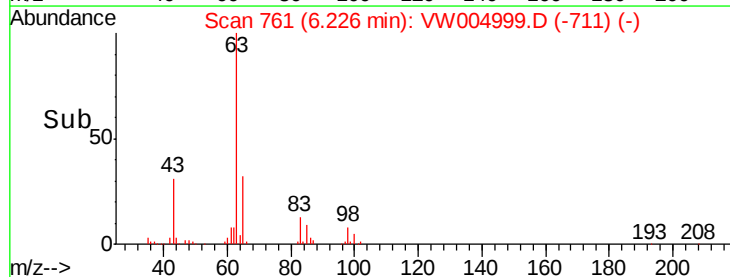
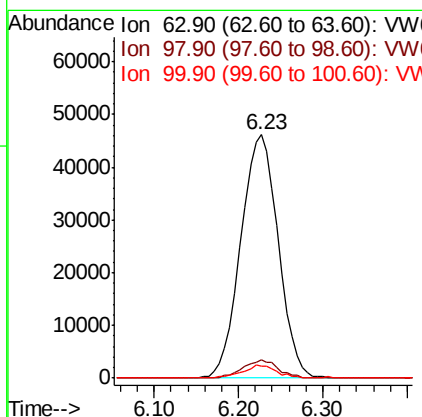
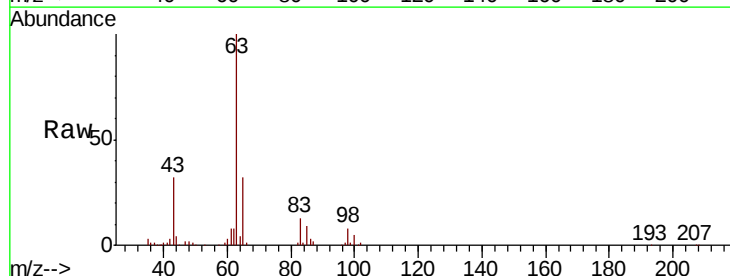
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

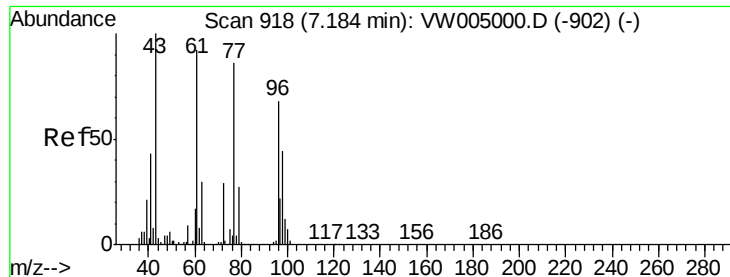
Tgt Ion: 43 Resp: 582584
 Ion Ratio Lower Upper
 43 100
 86 11.9 9.0 13.6



#24
 1,1-Dichloroethane
 Concen: 19.860 ug/l
 RT: 6.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion: 63 Resp: 139401
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.4 10.2
 100 4.8 2.2 6.6





#25

2-Butanone

Concen: 96.156 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

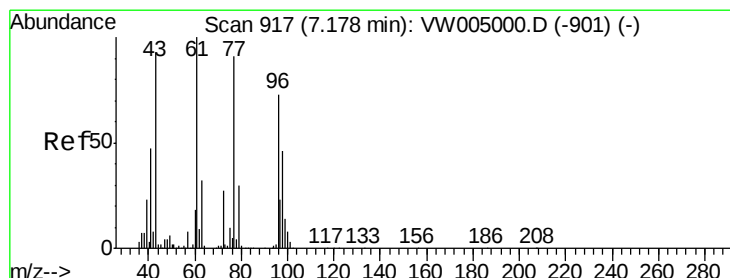
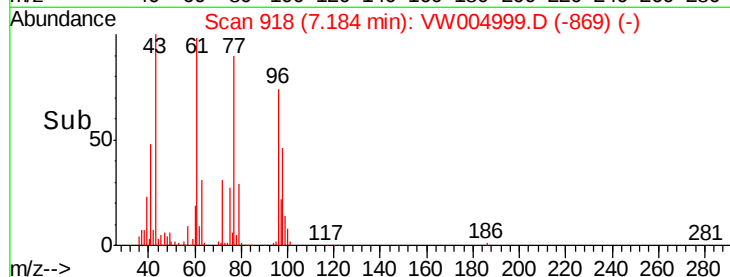
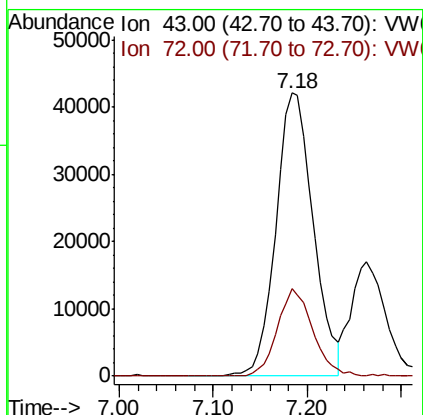
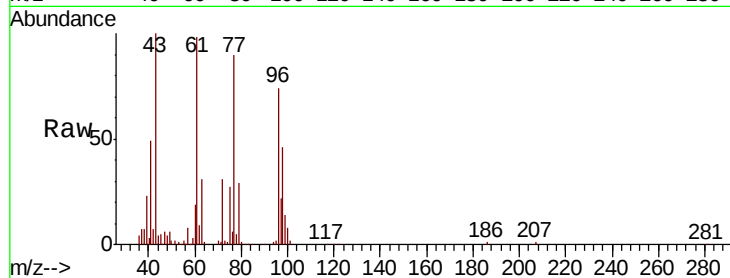
VSTDIC020

Tgt Ion: 43 Resp: 116906

Ion Ratio Lower Upper

43 100

72 30.8 23.4 35.2



#26

2,2-Dichloropropane

Concen: 20.414 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW004999.D

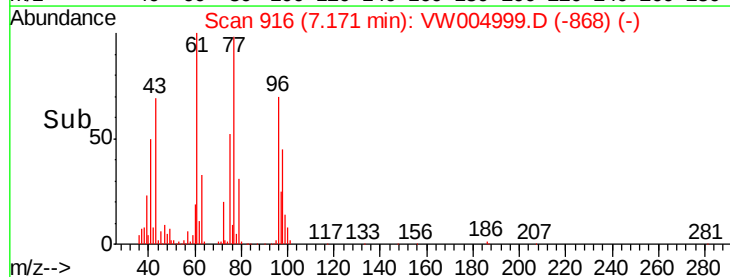
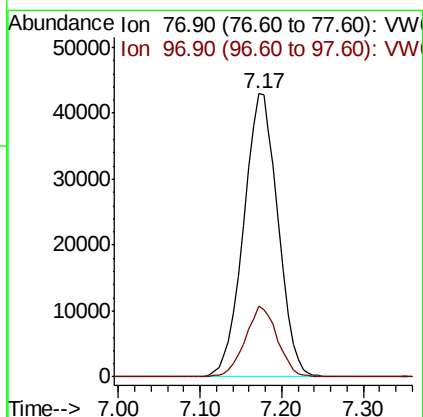
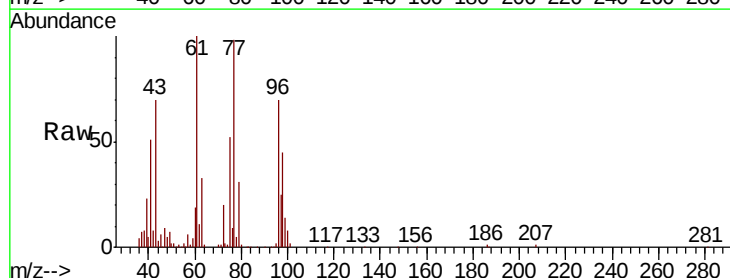
Acq: 29 Aug 2018 13:02

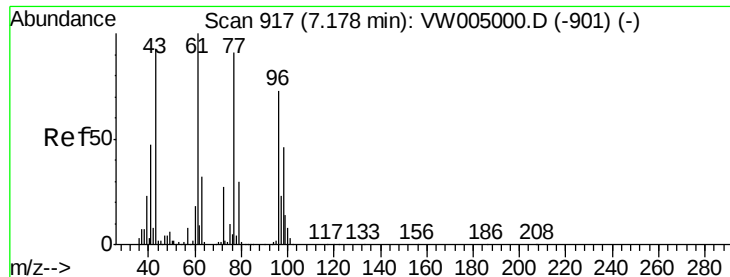
Tgt Ion: 77 Resp: 125765

Ion Ratio Lower Upper

77 100

97 23.5 12.2 36.4



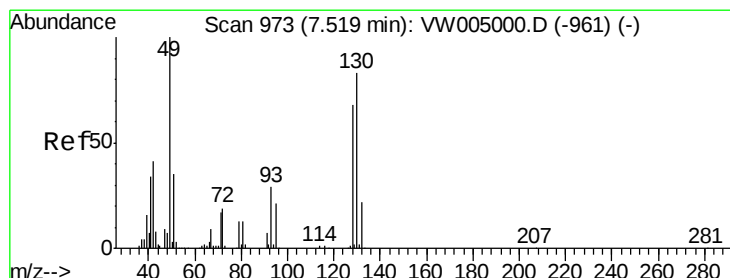
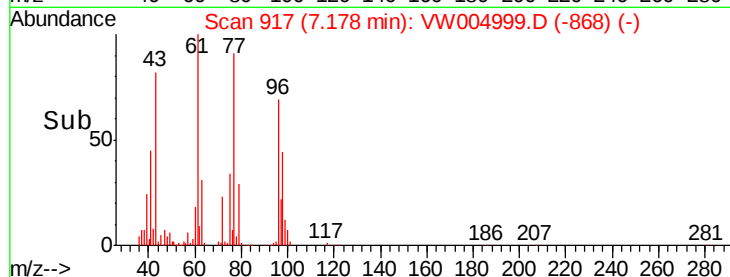
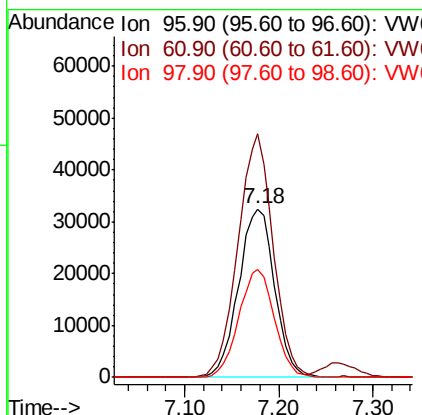
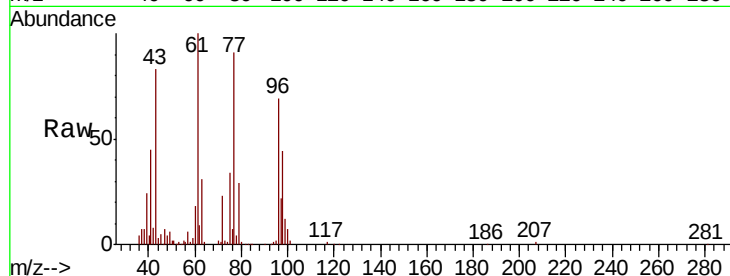


#27

cis-1,2-Dichloroethene
 Concen: 19.914 ug/l
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

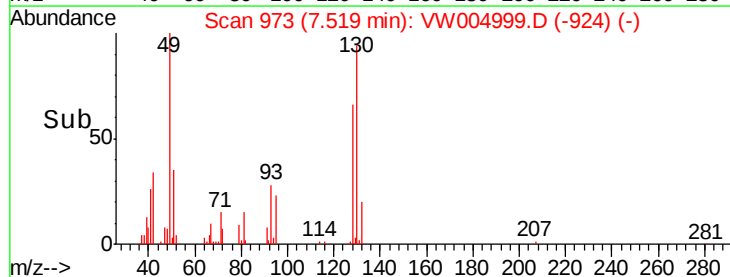
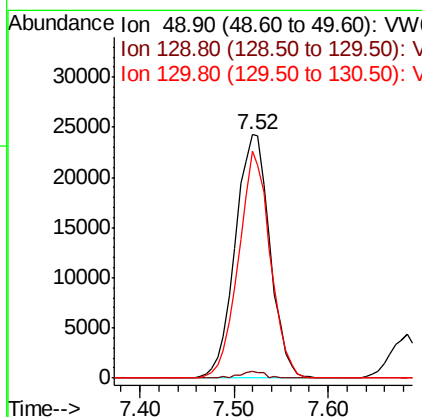
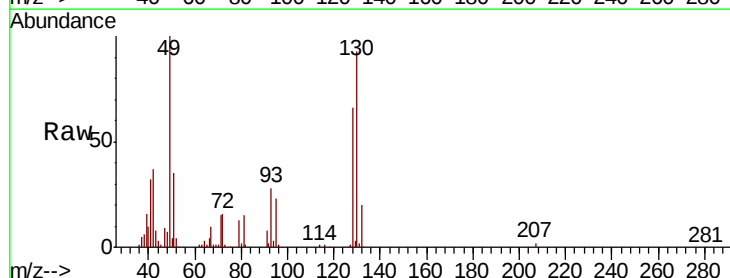
Tgt Ion: 96 Resp: 86813
 Ion Ratio Lower Upper
 96 100
 61 141.2 0.0 281.6
 98 63.3 0.0 129.0

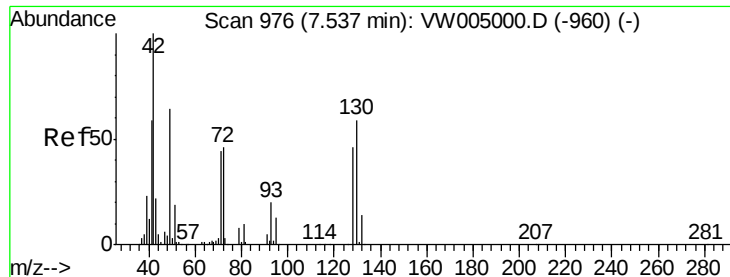


#28

Bromochloromethane
 Concen: 20.130 ug/l
 RT: 7.52 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion: 49 Resp: 62131
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.2
 130 85.6 68.2 102.2





#29

Tetrahydrofuran

Concen: 94.696 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

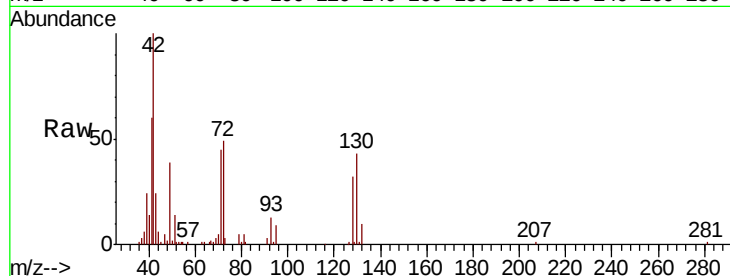
Tgt Ion: 42 Resp: 58160

Ion Ratio Lower Upper

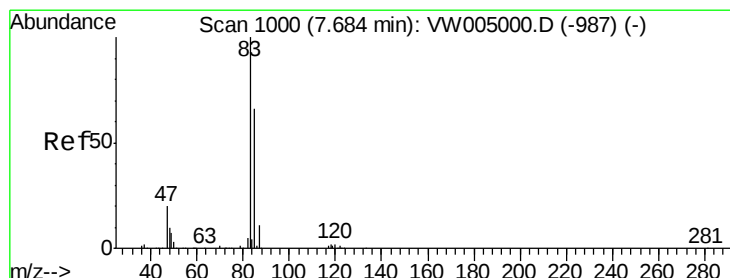
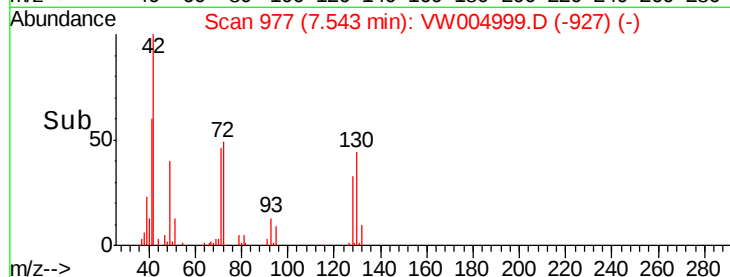
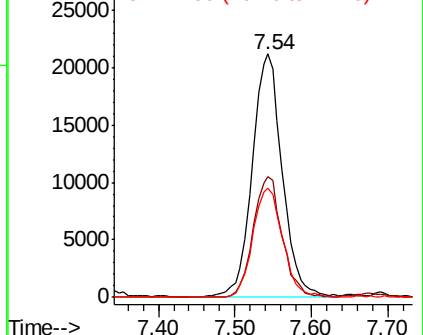
42 100

72 47.4 36.6 55.0

71 44.6 35.4 53.2



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: 20.042 ug/l

RT: 7.68 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VW004999.D

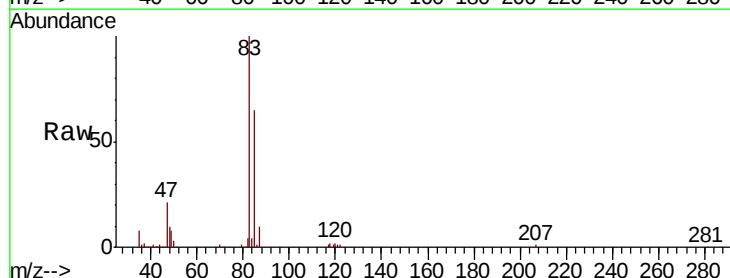
Acq: 29 Aug 2018 13:02

Tgt Ion: 83 Resp: 138372

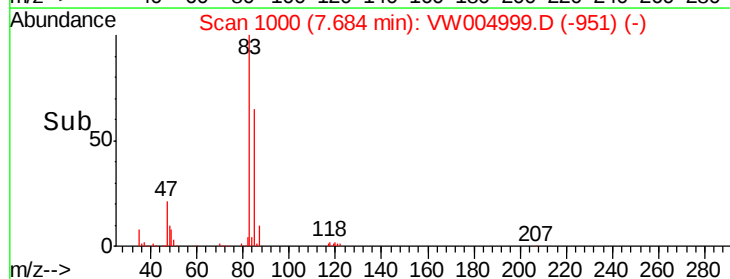
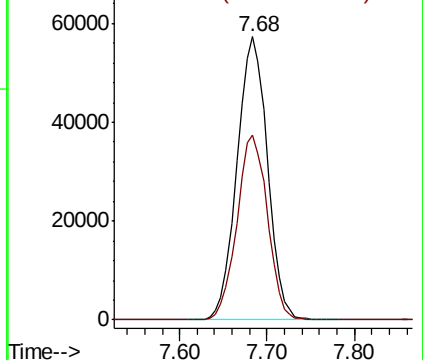
Ion Ratio Lower Upper

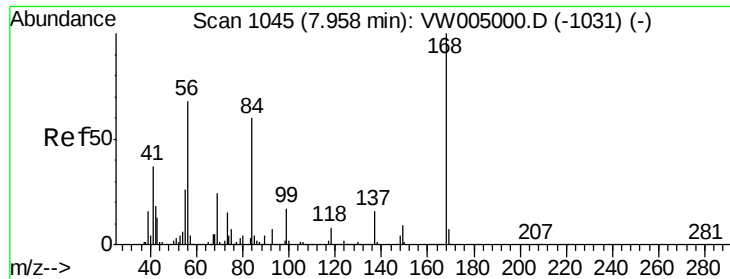
83 100

85 65.5 52.6 78.8



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

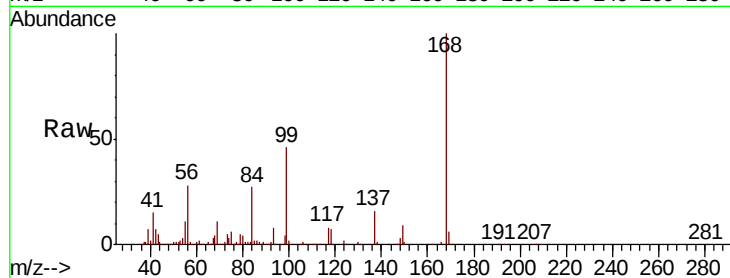




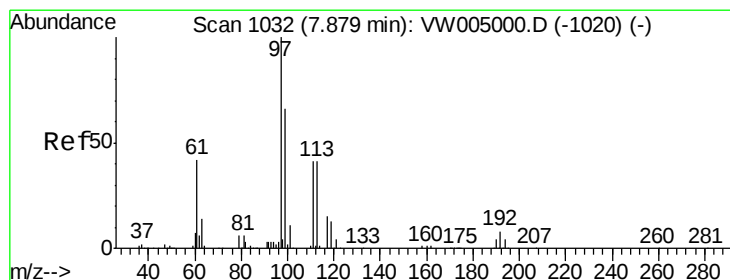
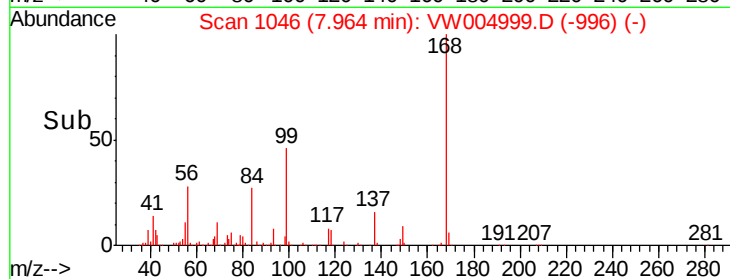
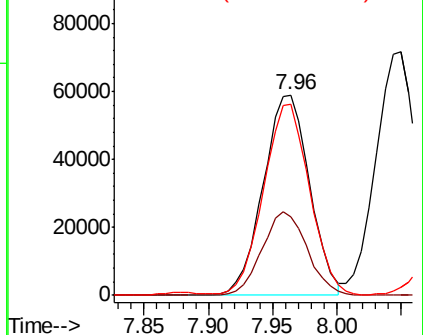
#31
Cyclohexane
Concen: 19.842 ug/l
RT: 7.96 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 147609
Ion Ratio Lower Upper
56 100
69 39.3 27.9 41.9
84 93.9 70.5 105.7

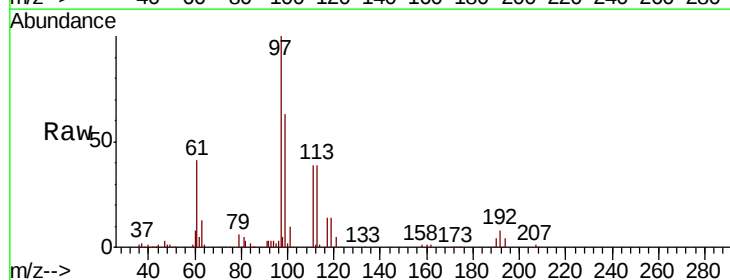


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

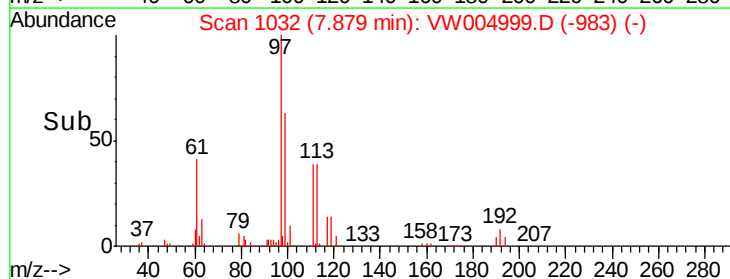
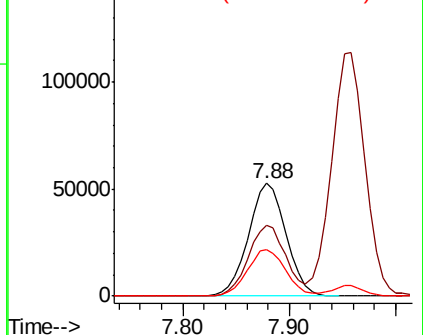


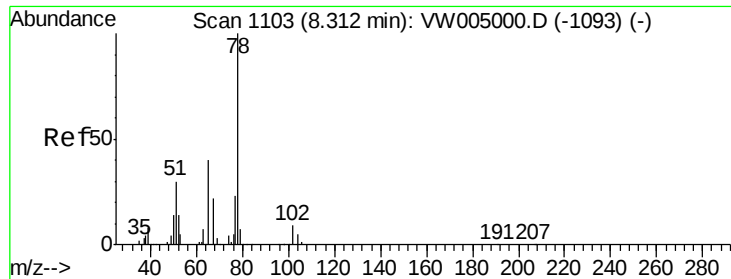
#32
1,1,1-Trichloroethane
Concen: 20.606 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion: 97 Resp: 130902
Ion Ratio Lower Upper
97 100
99 63.2 52.3 78.5
61 41.5 33.2 49.8



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

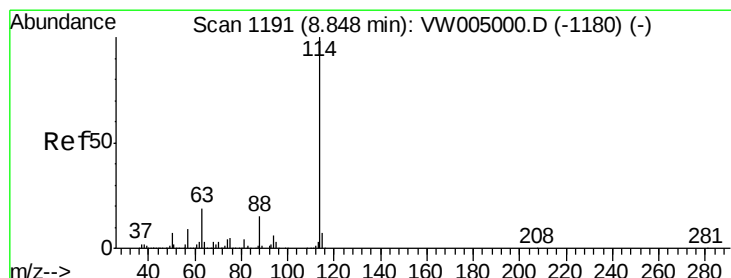
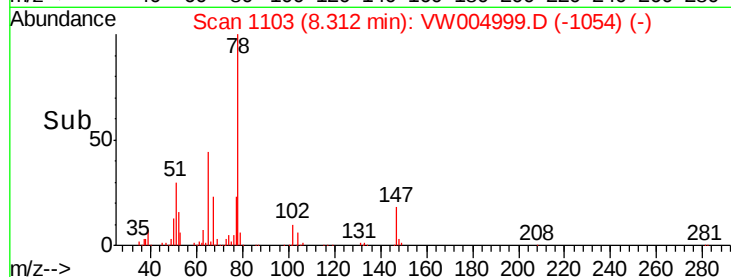
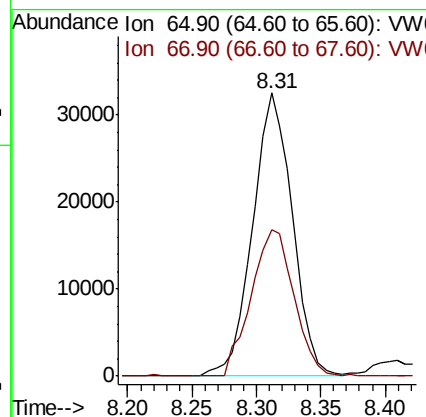
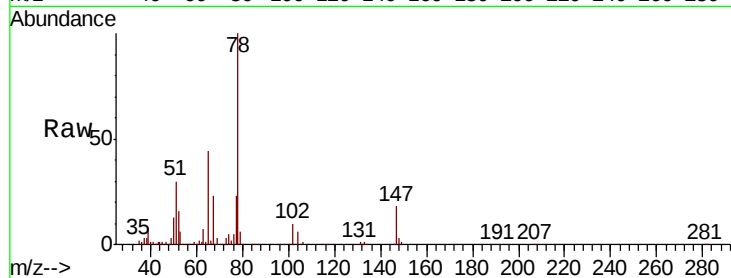




#33
 1,2-Dichloroethane-d4
 Concen: 20.004 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

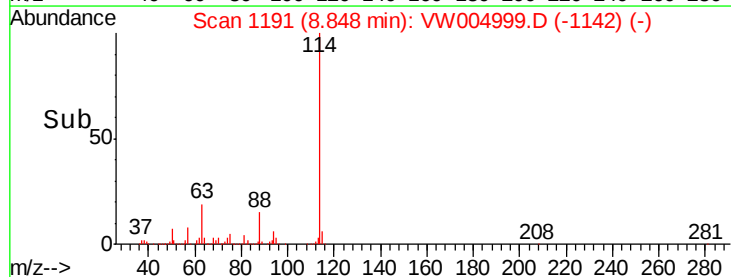
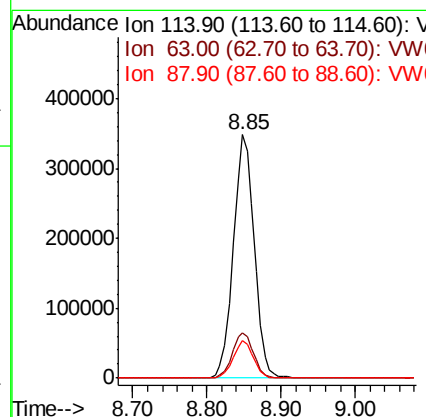
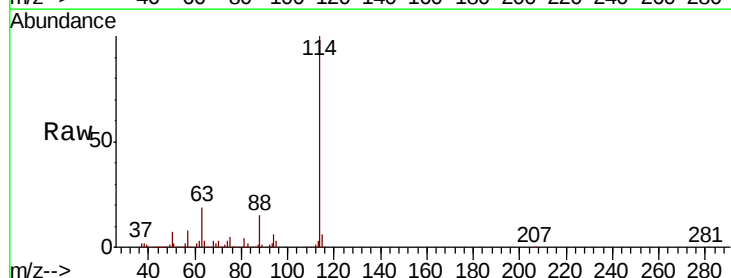
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

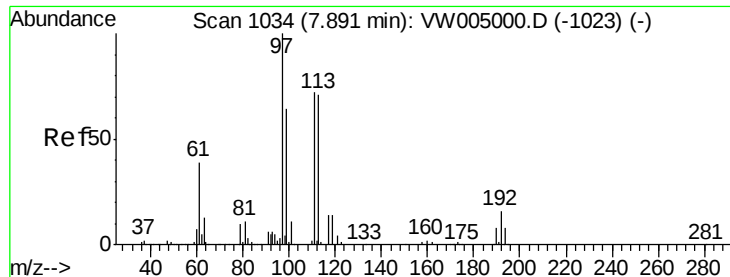
Tgt Ion: 65 Resp: 69158
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion: 114 Resp: 684380
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.4
 88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 20.059 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

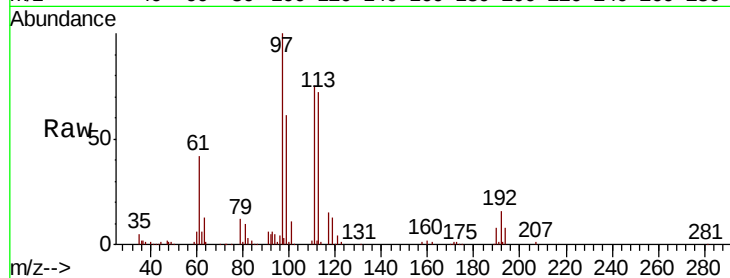
Tgt Ion:113 Resp: 68029

Ion Ratio Lower Upper

113 100

111 104.5 81.3 121.9

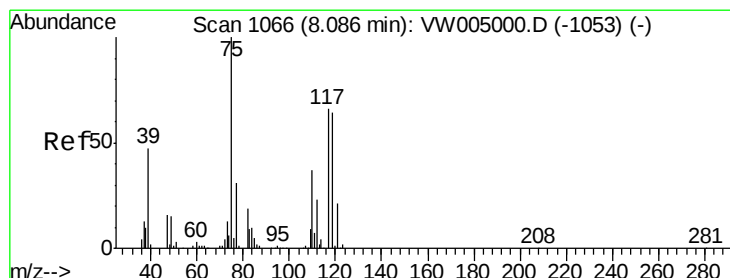
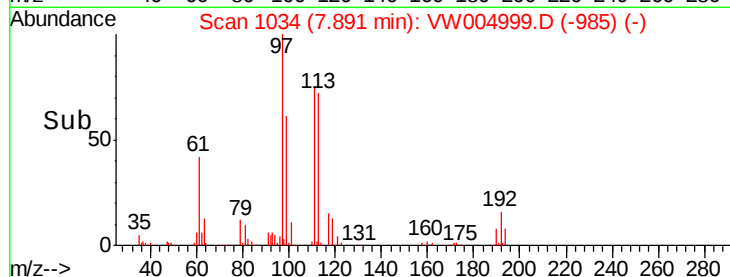
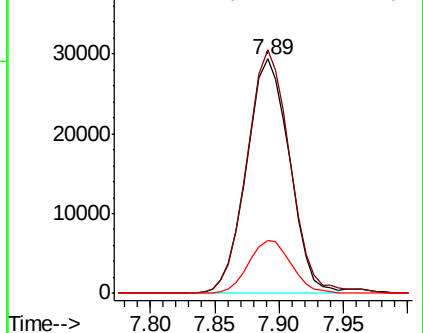
192 22.6 17.8 26.8



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: 20.604 ug/l

RT: 8.09 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

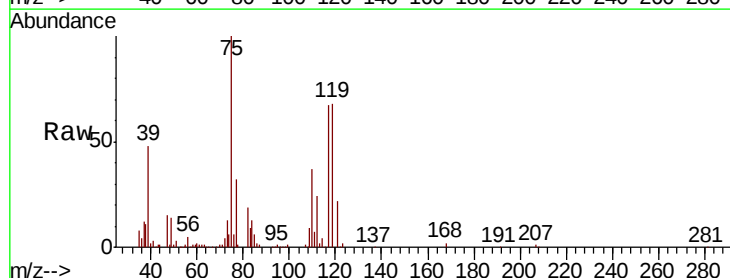
Tgt Ion: 75 Resp: 119477

Ion Ratio Lower Upper

75 100

110 38.4 18.7 56.1

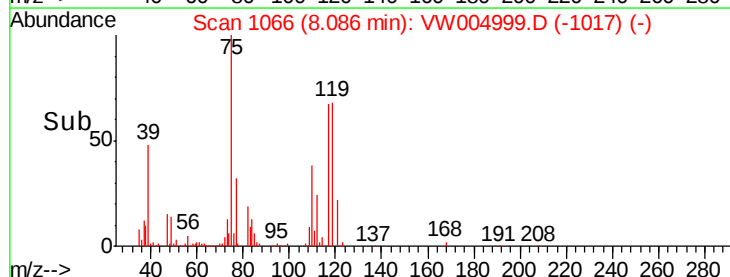
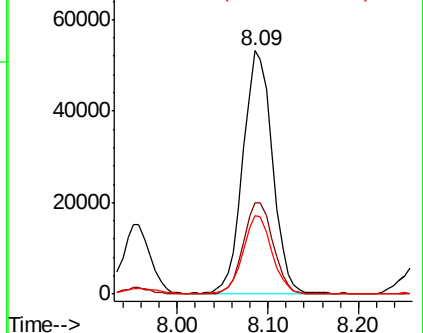
77 32.4 24.9 37.3

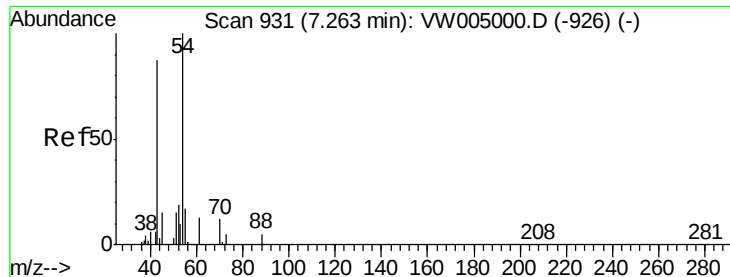


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

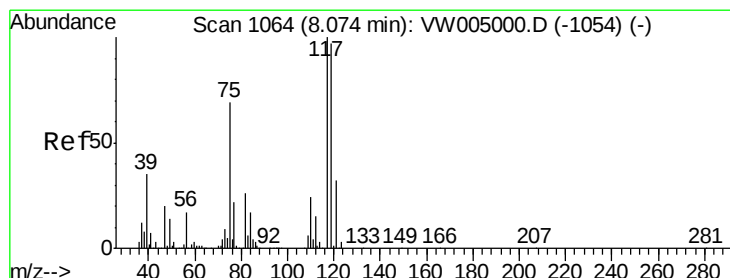
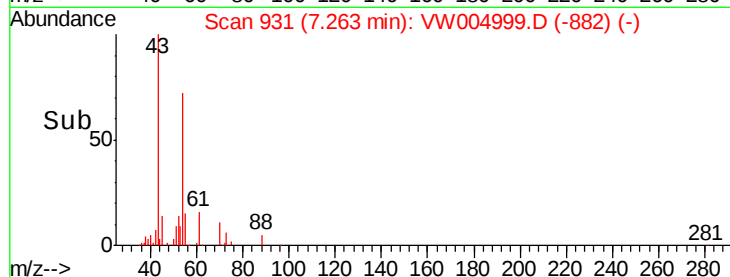
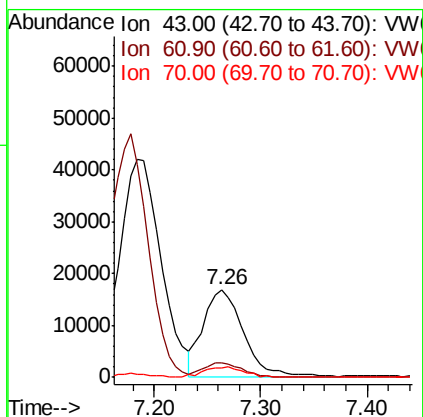
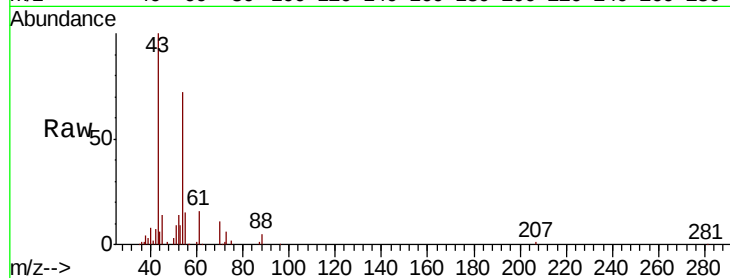




#37
Ethyl Acetate
Concen: 20.880 ug/l
RT: 7.26 min Scan# 931
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

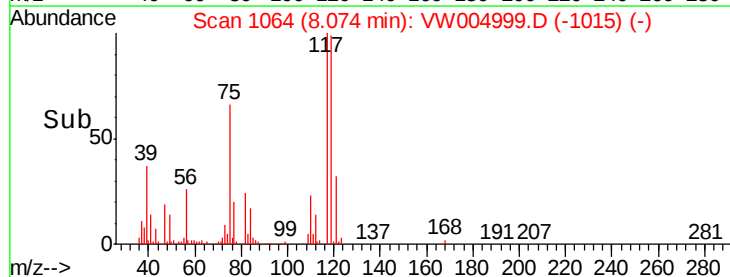
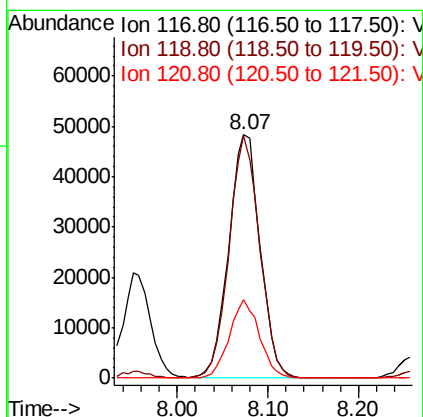
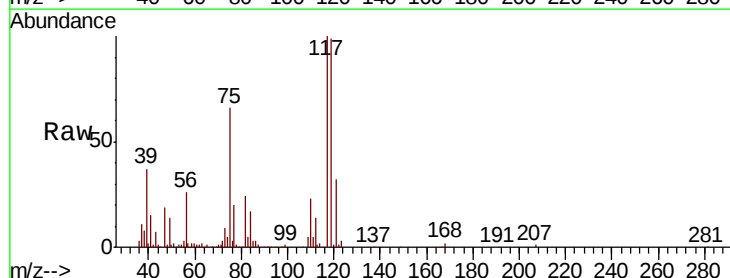
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

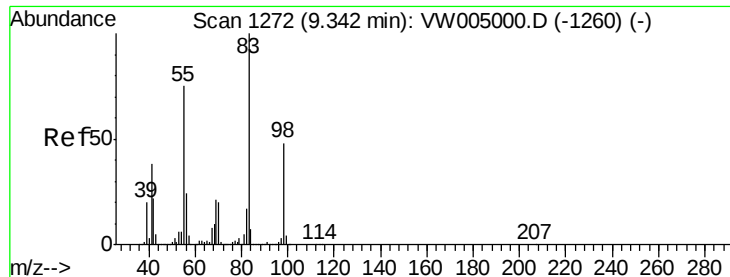
Tgt Ion: 43 Resp: 43643
Ion Ratio Lower Upper
43 100
61 16.4 12.3 18.5
70 12.0 9.7 14.5



#38
Carbon Tetrachloride
Concen: 20.853 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion: 117 Resp: 117028
Ion Ratio Lower Upper
117 100
119 99.4 77.8 116.8
121 32.2 25.2 37.8

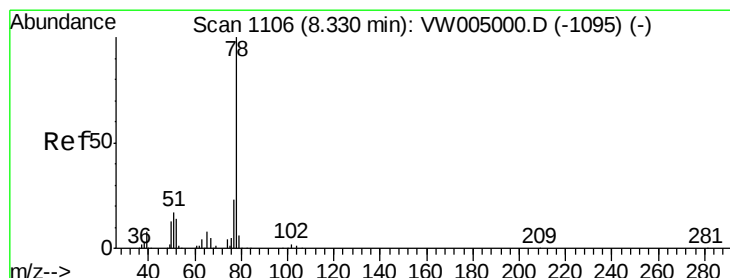
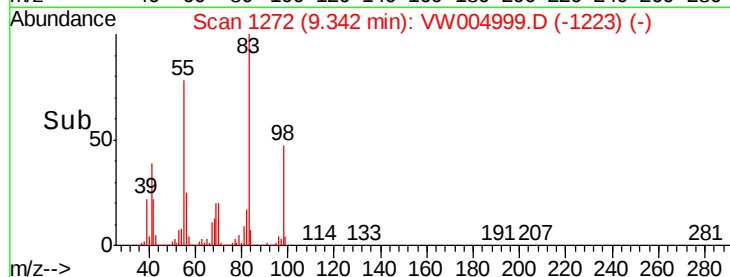
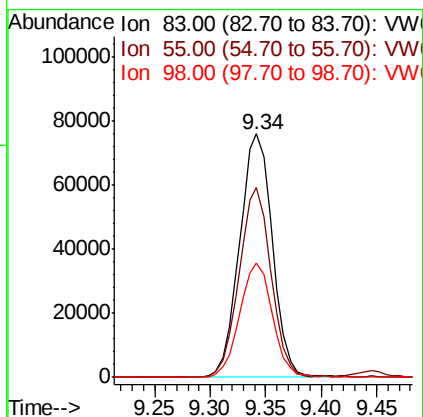
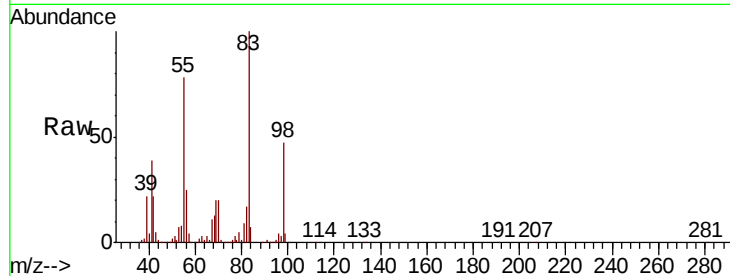




#39
Methylcyclohexane
Concen: 19.482 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

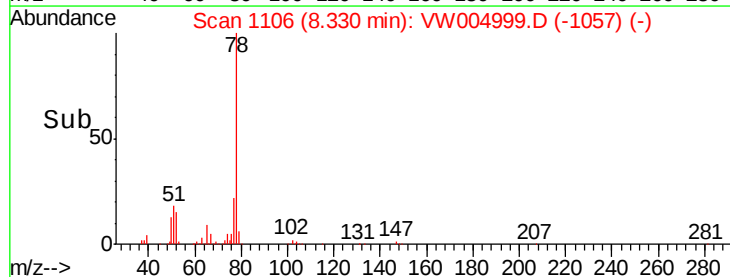
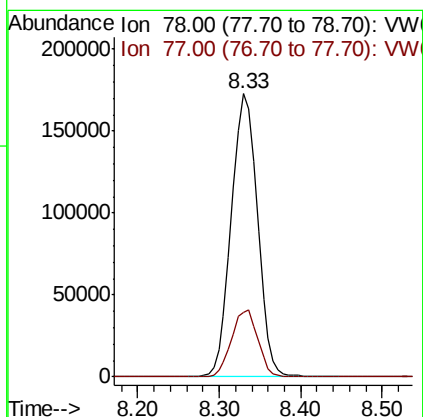
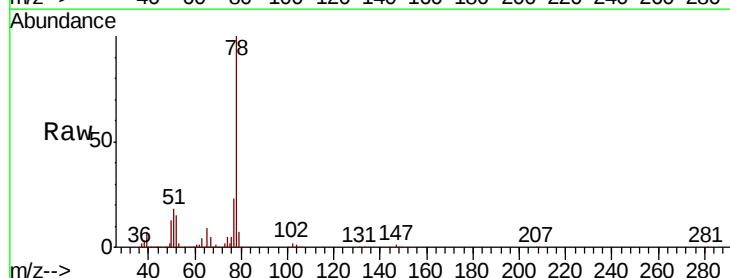
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

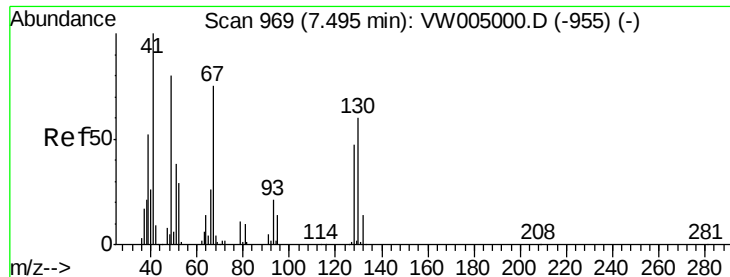
Tgt Ion: 83 Resp: 155734
Ion Ratio Lower Upper
83 100
55 78.1 60.2 90.2
98 46.9 38.6 57.8



#40
Benzene
Concen: 20.712 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion: 78 Resp: 384441
Ion Ratio Lower Upper
78 100
77 22.5 18.6 28.0

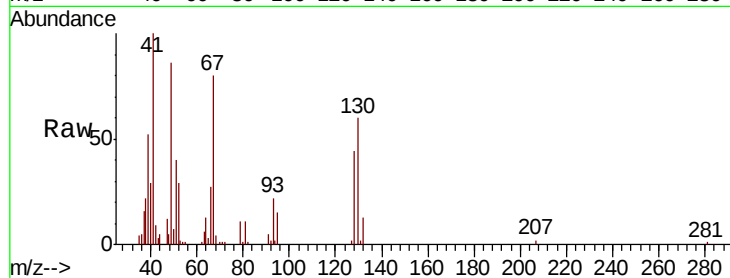




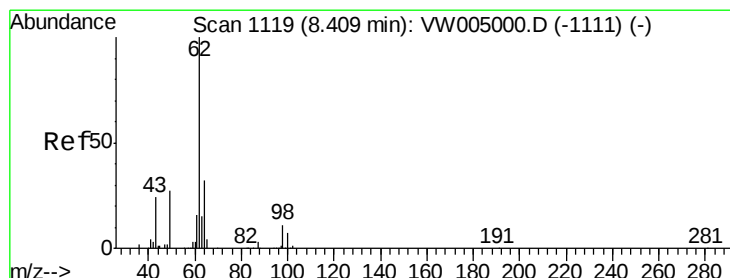
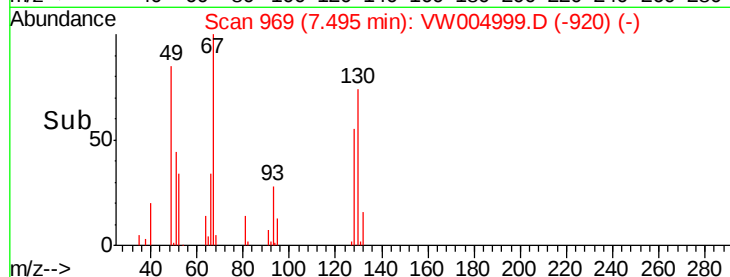
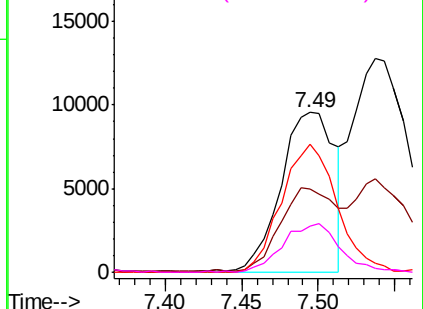
#41
Methacrylonitrile
Concen: 19.379 ug/l
RT: 7.49 min Scan# 969
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	23604
Ion	Ratio	Lower	Upper
41	100		
39	51.5	42.0	63.0
67	81.9	63.4	95.2
52	31.9	24.6	37.0

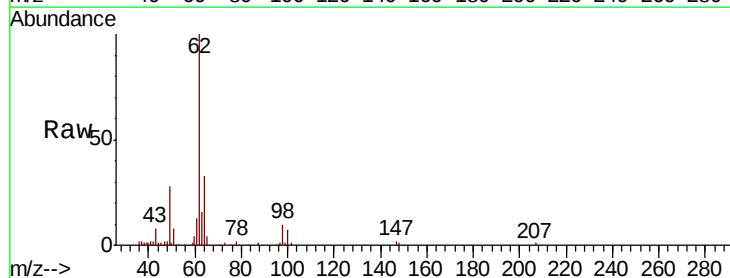


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

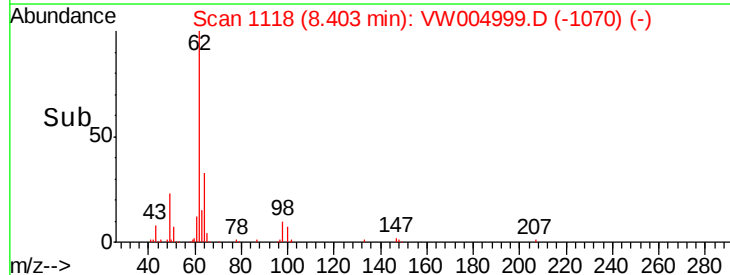
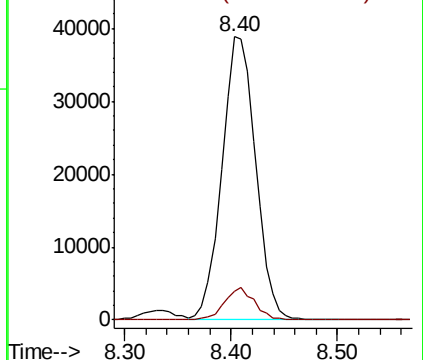


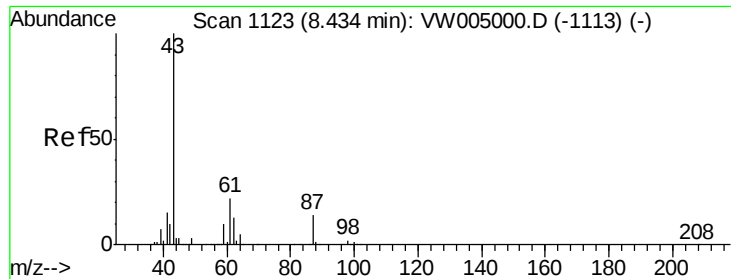
#42
1,2-Dichloroethane
Concen: 20.830 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion:	62	Resp:	86034
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.8



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





#43

Isopropyl Acetate

Concen: 19.178 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

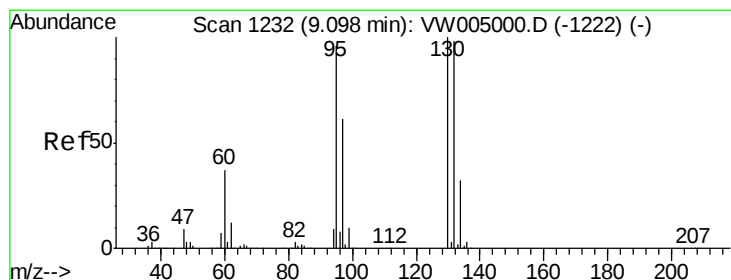
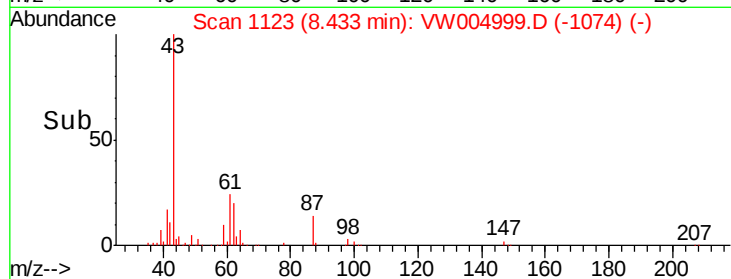
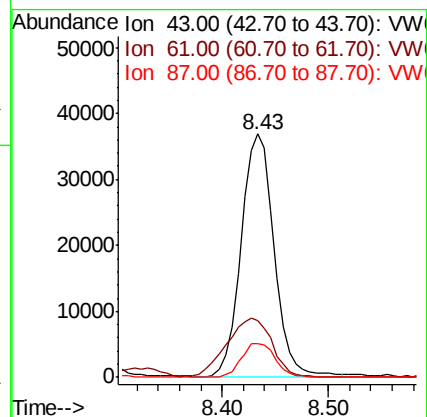
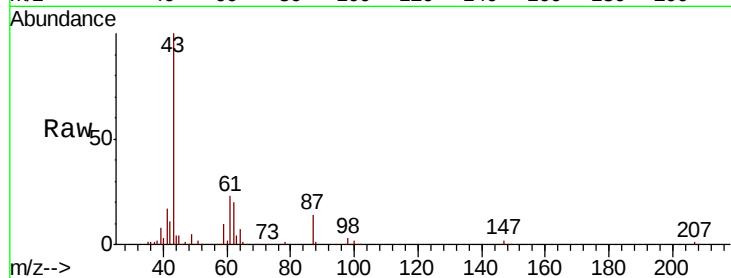
Tgt Ion: 43 Resp: 79761

Ion Ratio Lower Upper

43 100

61 33.7 26.2 39.4

87 14.6 11.8 17.6



#44

Trichloroethene

Concen: 20.529 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW004999.D

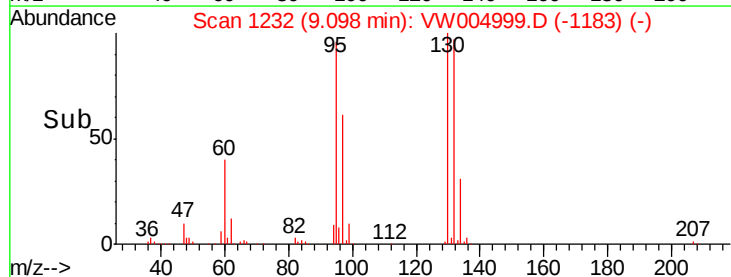
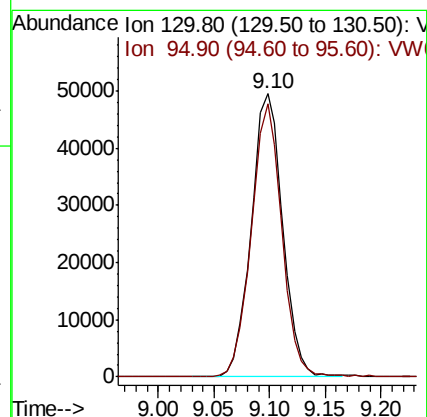
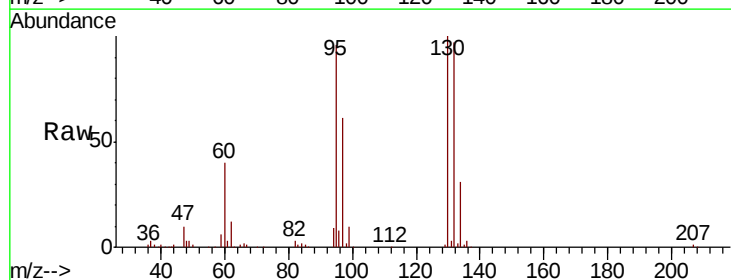
Acq: 29 Aug 2018 13:02

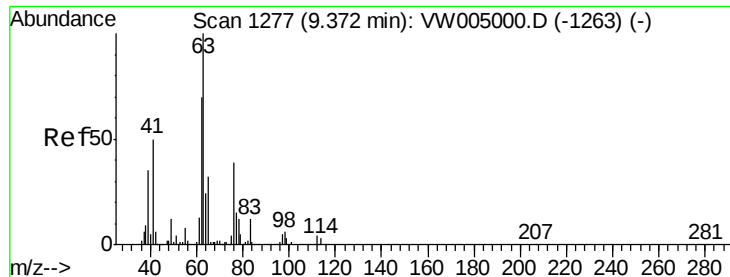
Tgt Ion: 130 Resp: 97327

Ion Ratio Lower Upper

130 100

95 96.4 0.0 192.2

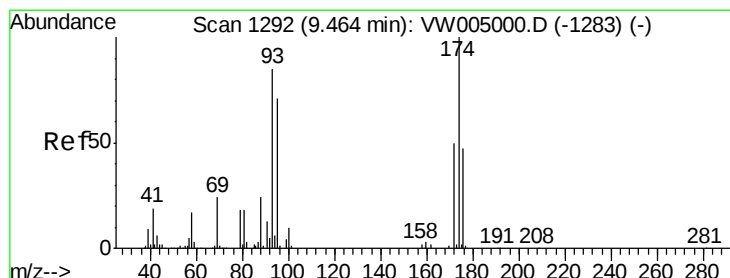
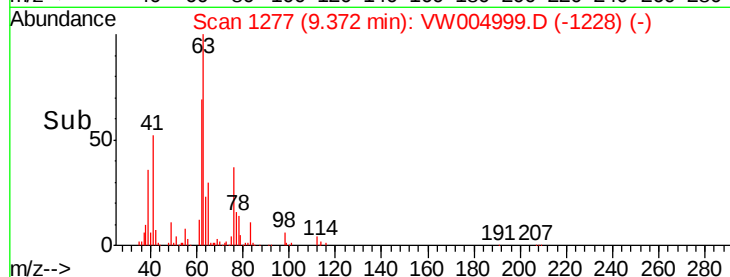
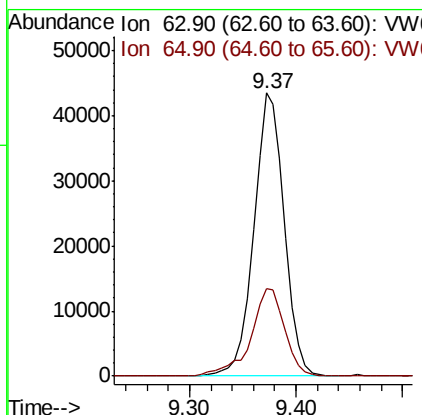
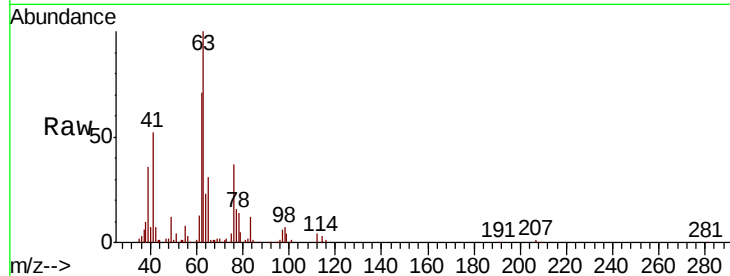




#45
 1,2-Dichloropropane
 Concen: 20.420 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

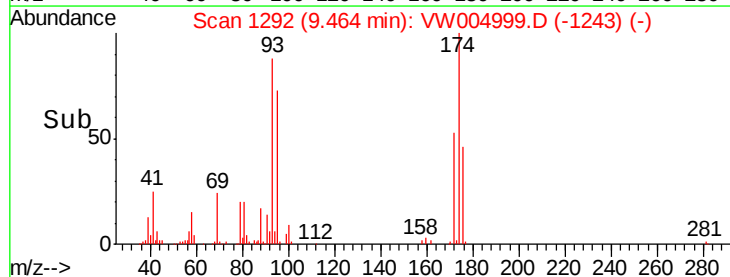
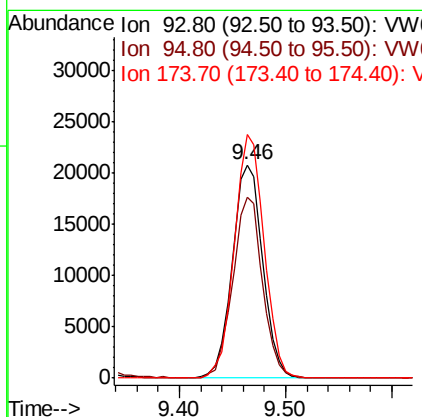
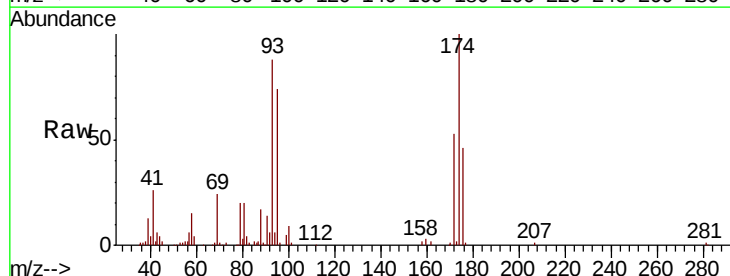
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

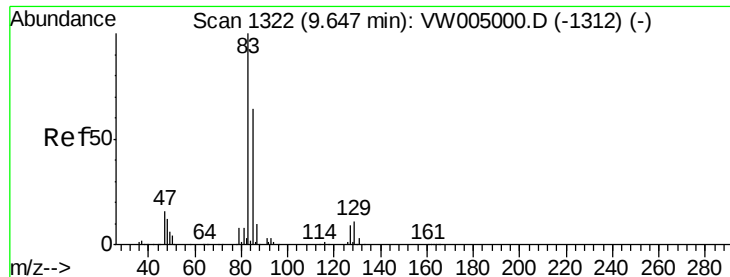
Tgt Ion: 63 Resp: 86718
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.3 37.9



#46
 Dibromomethane
 Concen: 20.798 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion: 93 Resp: 41805
 Ion Ratio Lower Upper
 93 100
 95 83.0 68.0 102.0
 174 111.9 91.4 137.0





#47

Bromodichloromethane

Concen: 20.614 ug/l

RT: 9.65 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

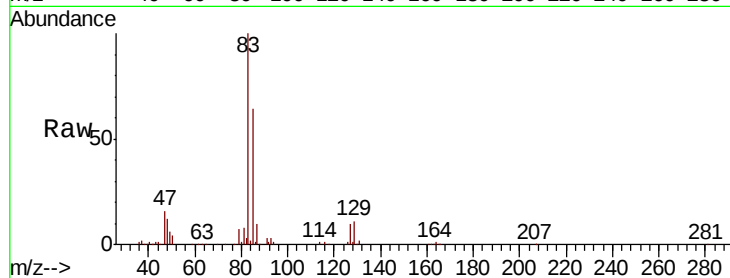
Tgt Ion: 83 Resp: 102380

Ion Ratio Lower Upper

83 100

85 64.5 51.3 76.9

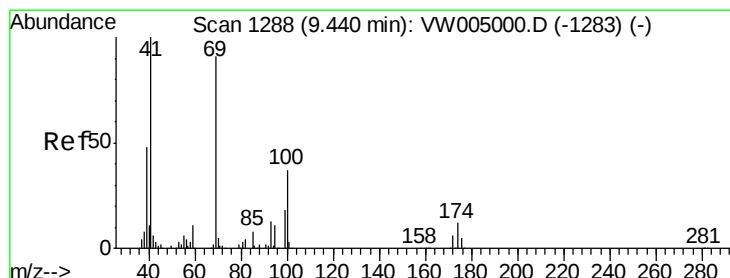
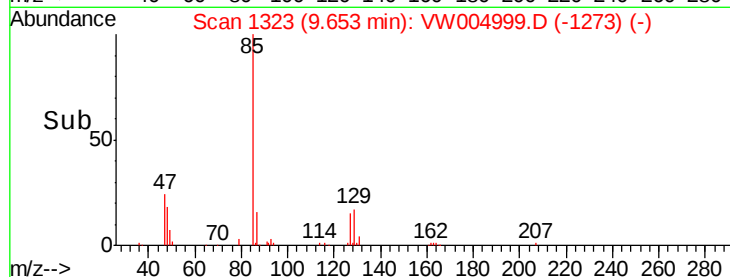
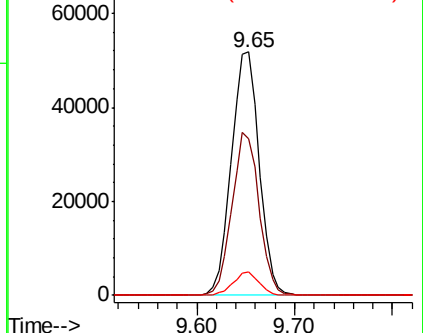
127 9.6 7.2 10.8



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): VW



#48

Methyl methacrylate

Concen: 18.420 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

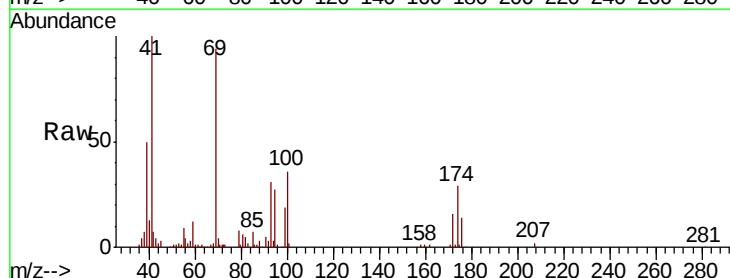
Tgt Ion: 41 Resp: 40676

Ion Ratio Lower Upper

41 100

69 100.7 72.5 108.7

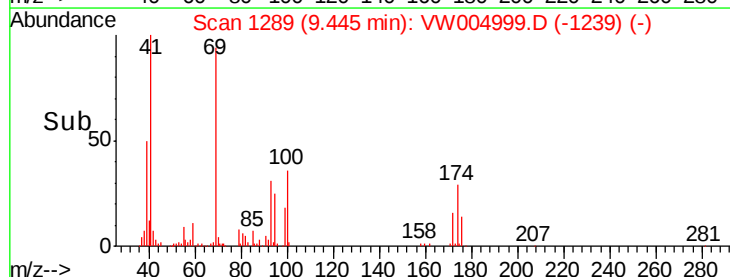
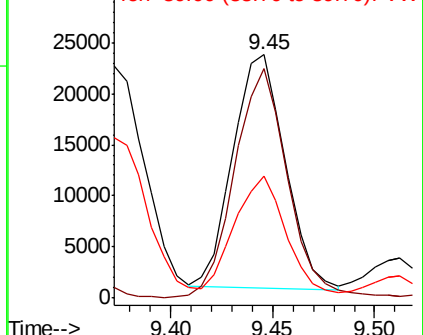
39 48.0 37.0 55.6

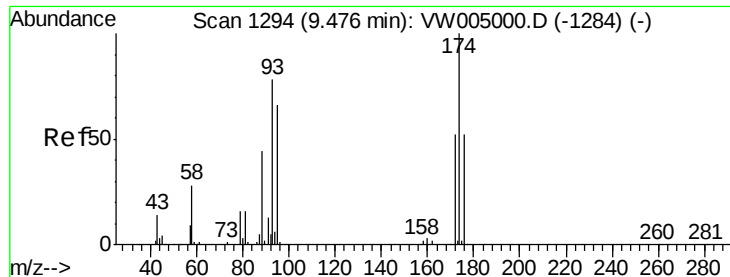


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

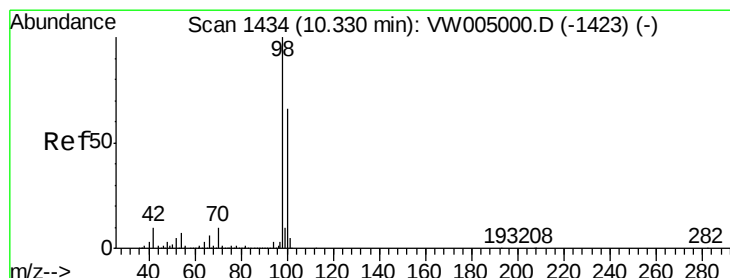
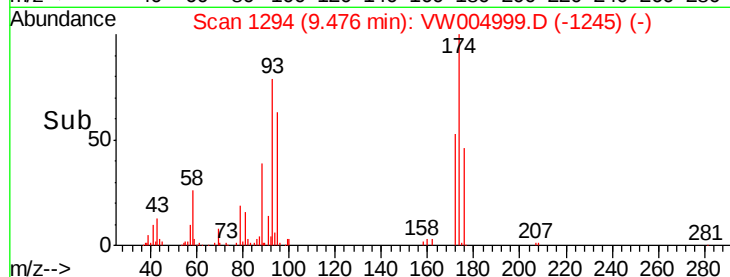
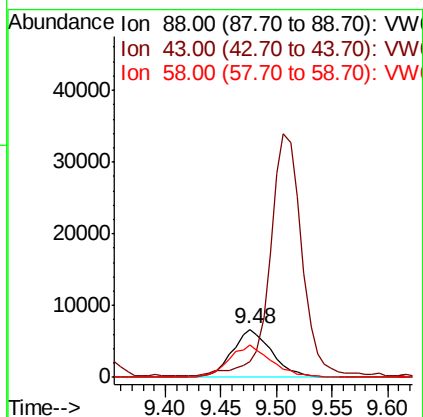
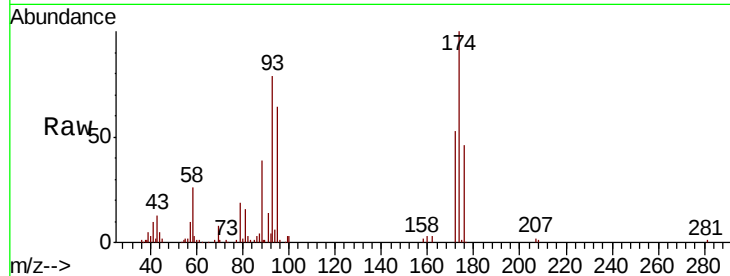




#49
1,4-Dioxane
Concen: 388.597 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

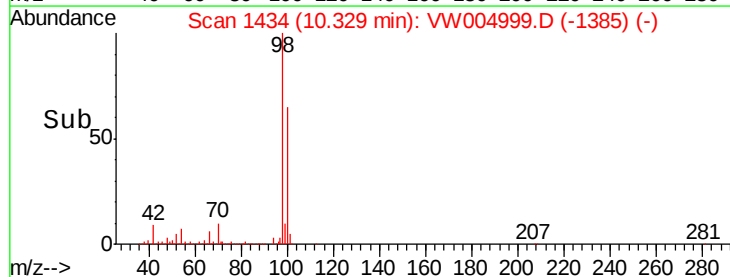
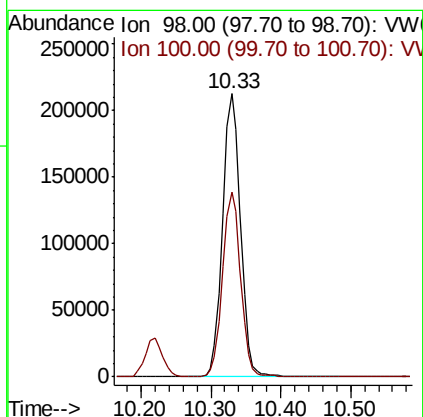
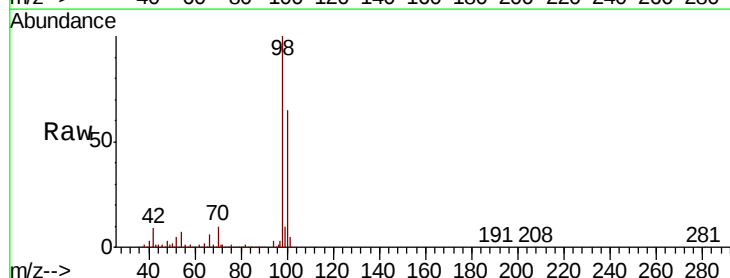
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

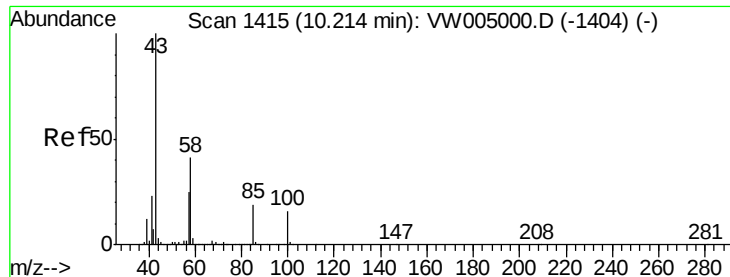
Tgt Ion: 88 Resp: 16209
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 72.7 57.0 85.4



#50
Toluene-d8
Concen: 20.454 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion: 98 Resp: 380851
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9

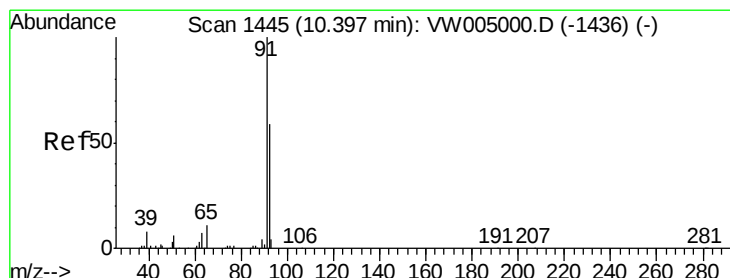
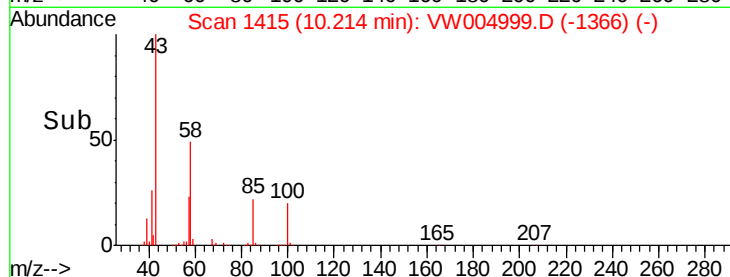
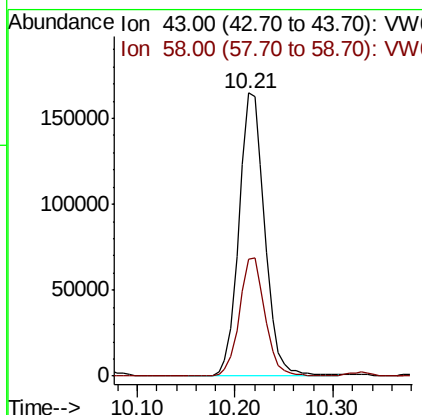
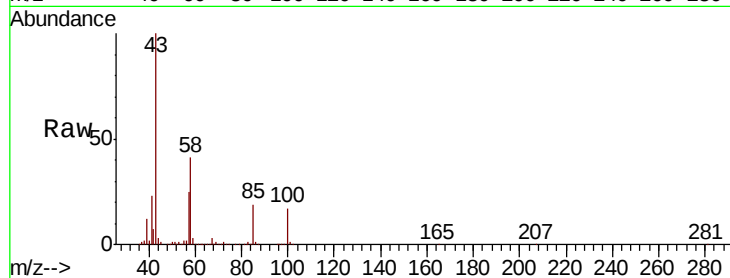




#51
 4-Methyl-2-Pentanone
 Concen: 96.698 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

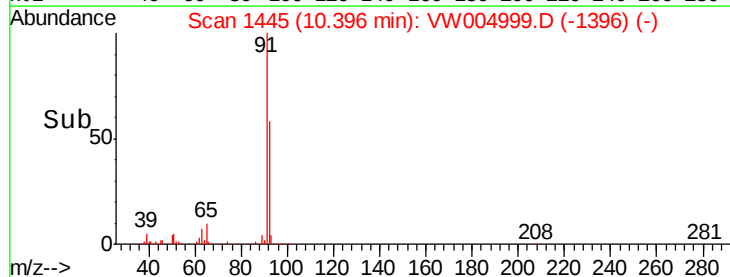
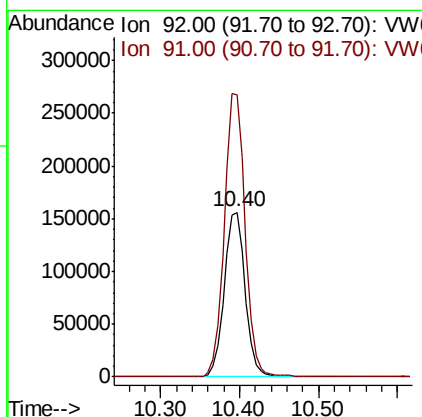
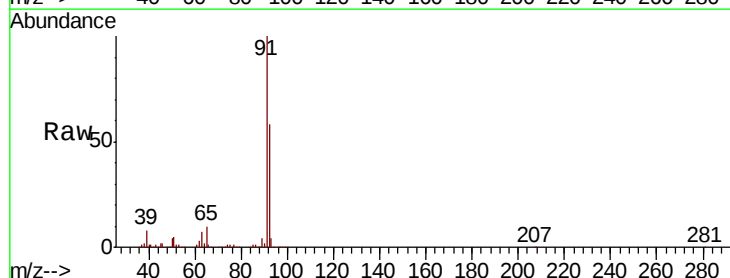
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

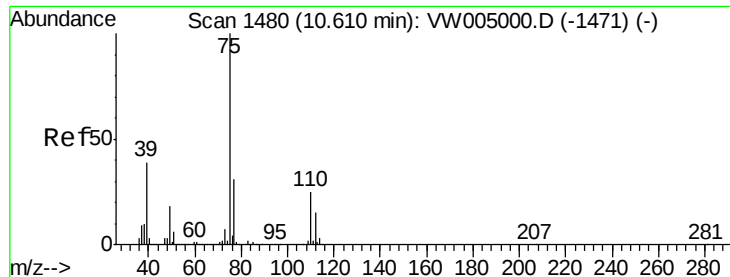
Tgt Ion: 43 Resp: 301207
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.5 50.3



#52
 Toluene
 Concen: 20.836 ug/l
 RT: 10.40 min Scan# 1445
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion: 92 Resp: 286932
 Ion Ratio Lower Upper
 92 100
 91 171.7 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 19.667 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

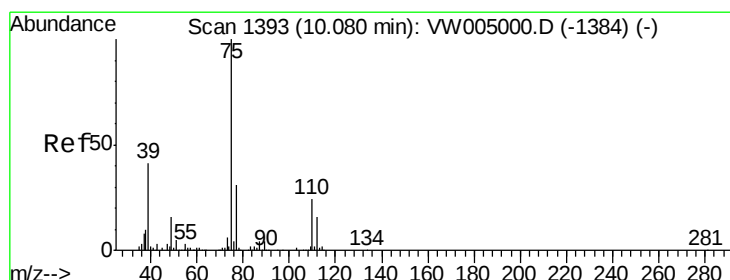
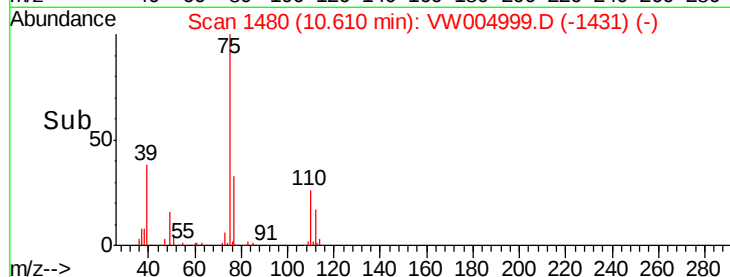
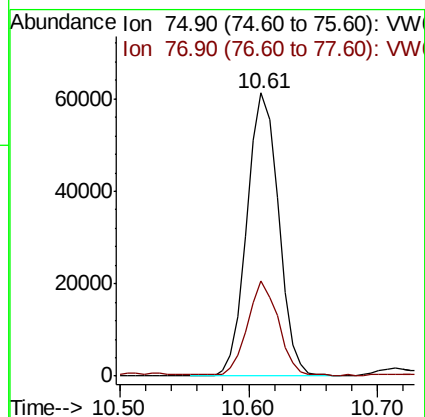
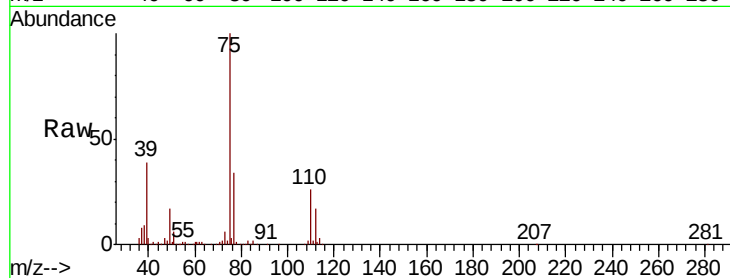
VSTDIC020

Tgt Ion: 75 Resp: 104317

Ion Ratio Lower Upper

75 100

77 33.1 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.404 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

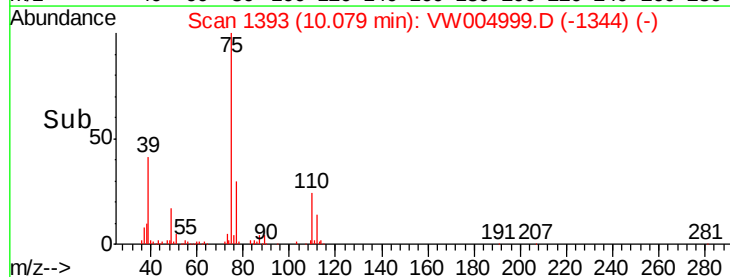
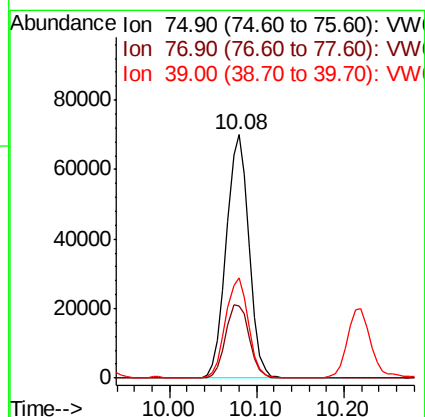
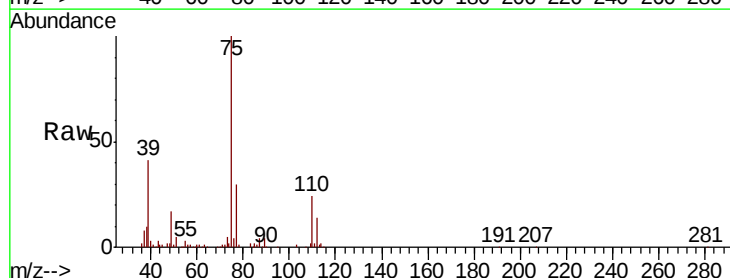
Tgt Ion: 75 Resp: 126207

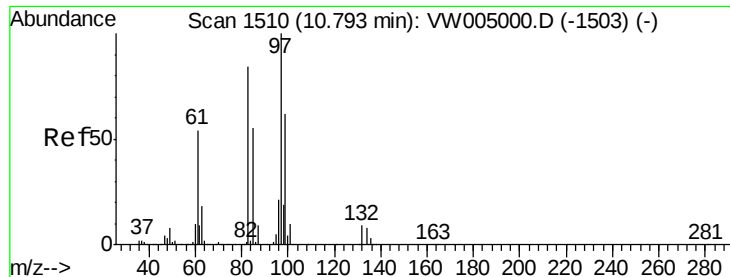
Ion Ratio Lower Upper

75 100

77 29.8 25.2 37.8

39 41.1 32.9 49.3





#55

1,1,2-Trichloroethane

Concen: 20.066 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 66016

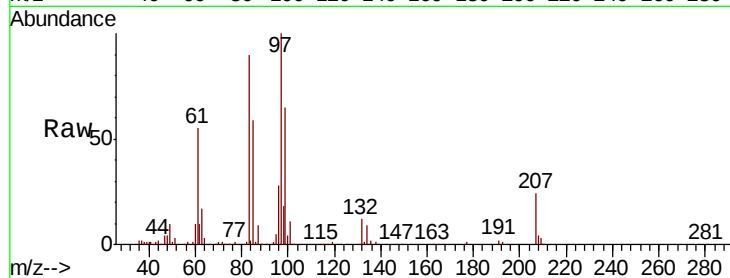
Ion Ratio Lower Upper

97 100

83 89.7 67.3 100.9

85 58.6 44.3 66.5

99 65.4 49.4 74.0



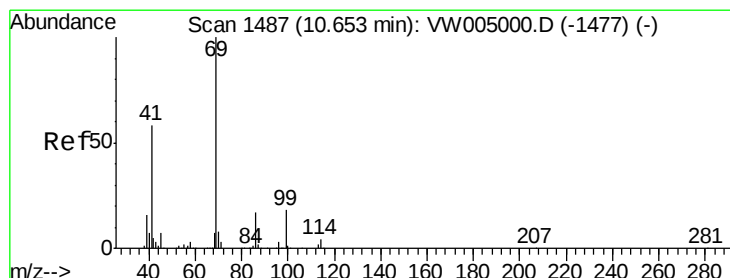
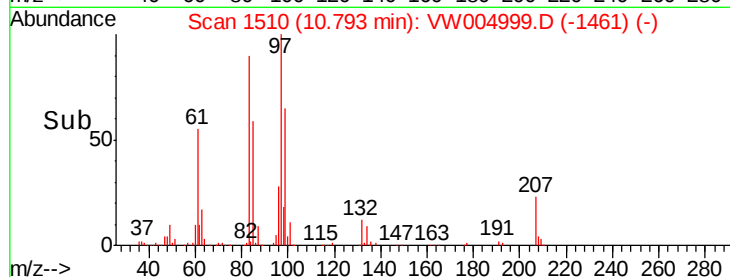
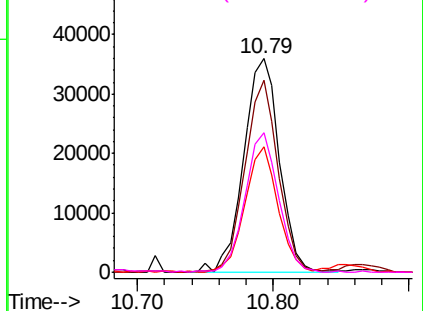
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 19.368 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

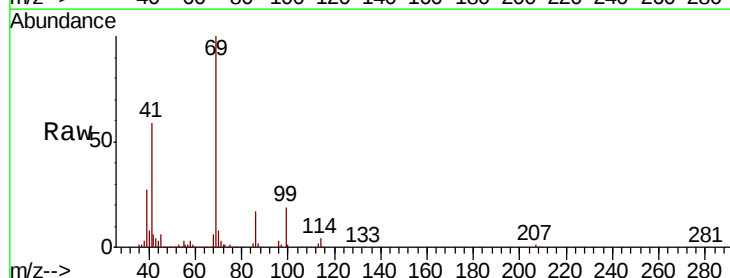
Tgt Ion: 69 Resp: 83580

Ion Ratio Lower Upper

69 100

41 60.4 47.7 71.5

39 26.8 21.0 31.6

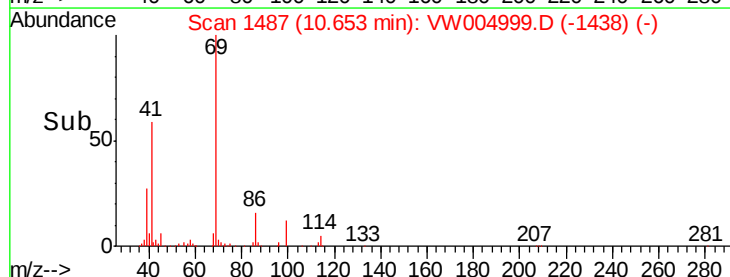
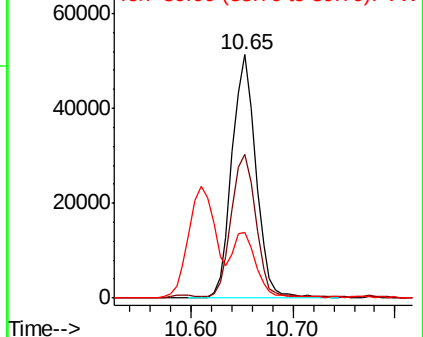


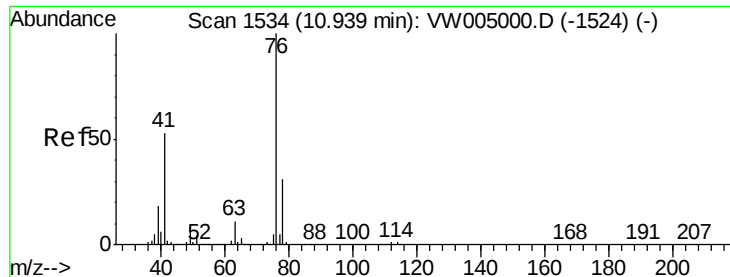
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

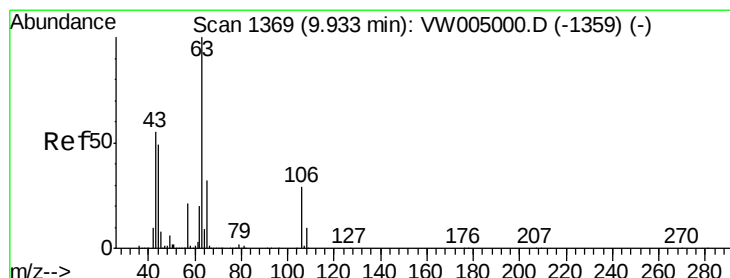
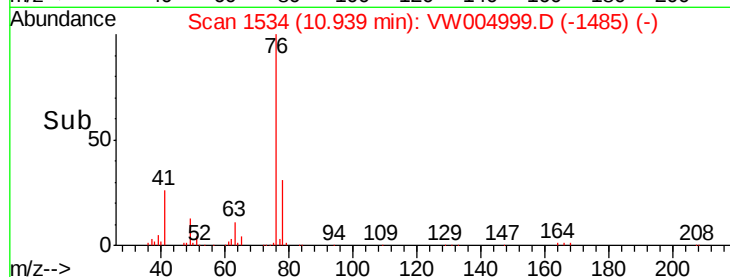
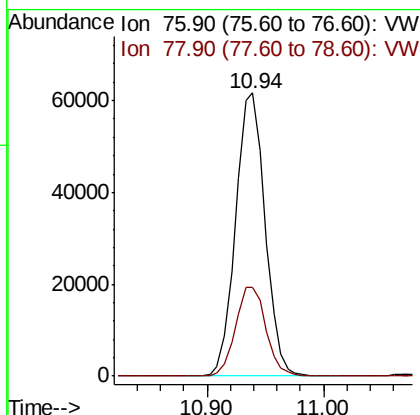
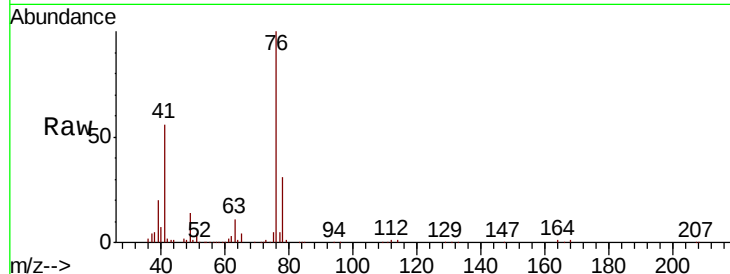




#57
 1,3-Dichloropropane
 Concen: 20.112 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

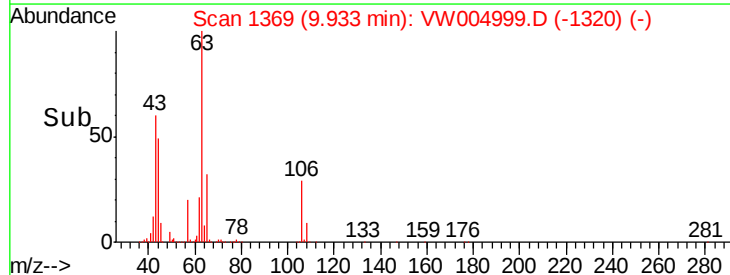
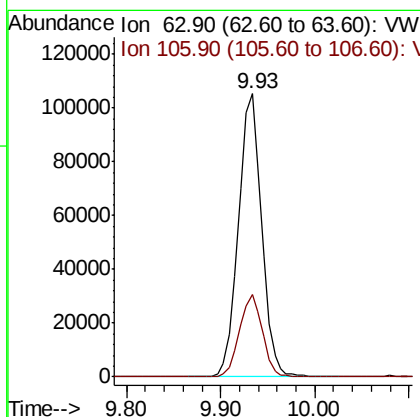
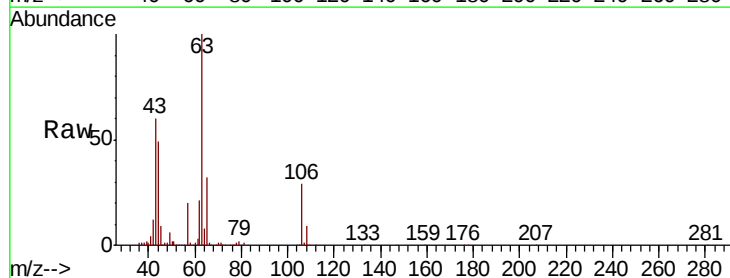
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

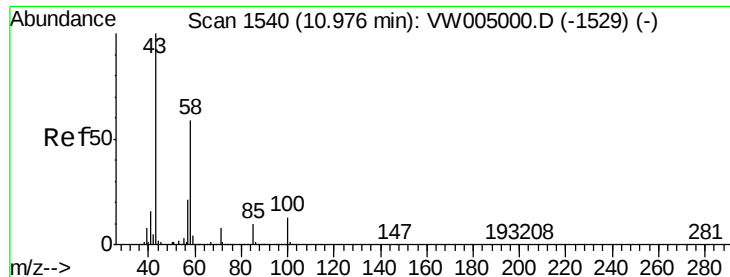
Tgt Ion: 76 Resp: 108883
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.008 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion: 63 Resp: 180354
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.2 34.8

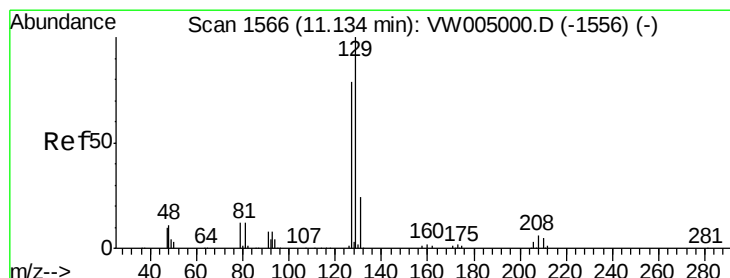
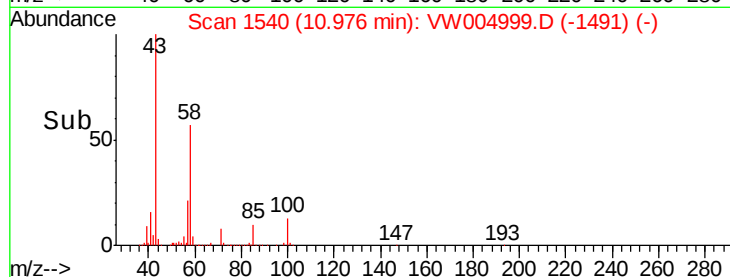
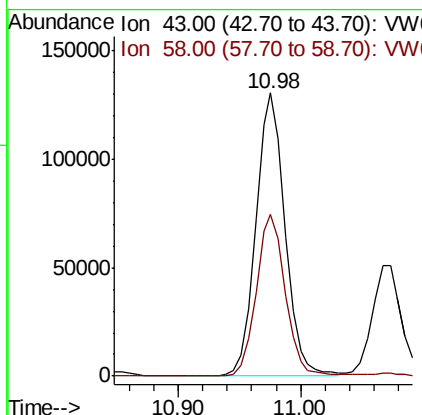
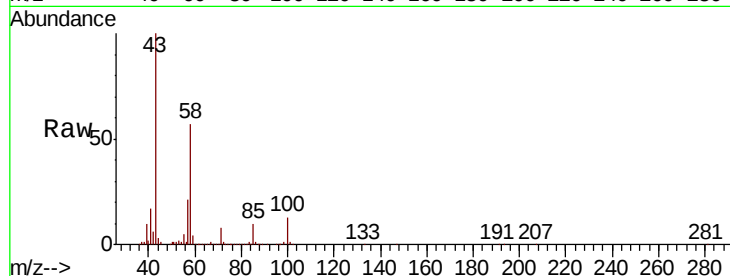




#59
2-Hexanone
Concen: 96.028 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

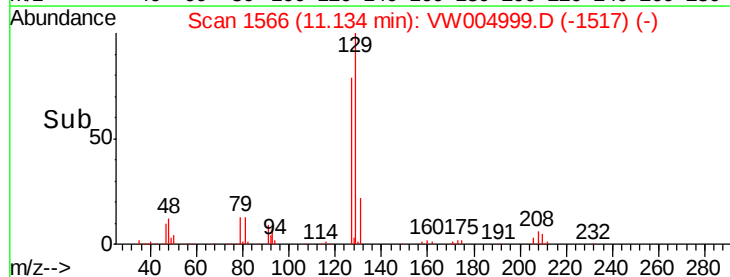
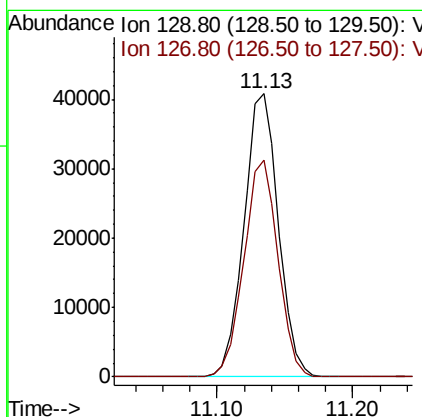
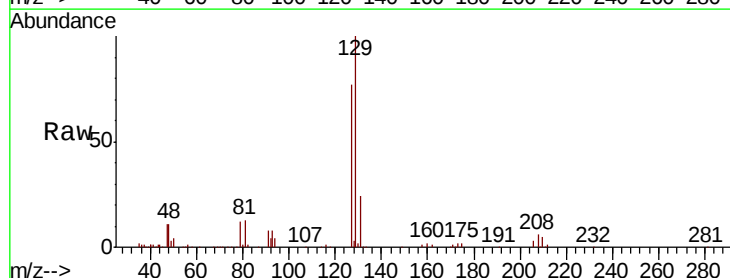
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

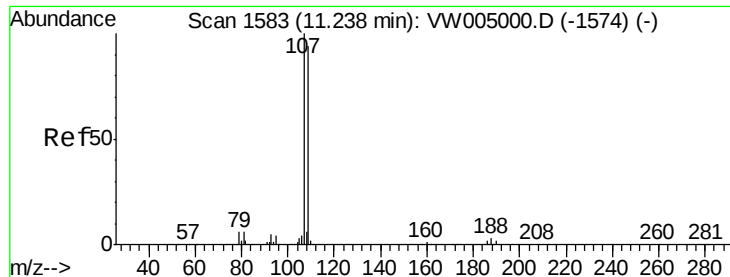
Tgt Ion: 43 Resp: 216574
Ion Ratio Lower Upper
43 100
58 57.0 29.2 87.6



#60
Dibromochloromethane
Concen: 19.992 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion: 129 Resp: 72186
Ion Ratio Lower Upper
129 100
127 76.1 38.3 114.8

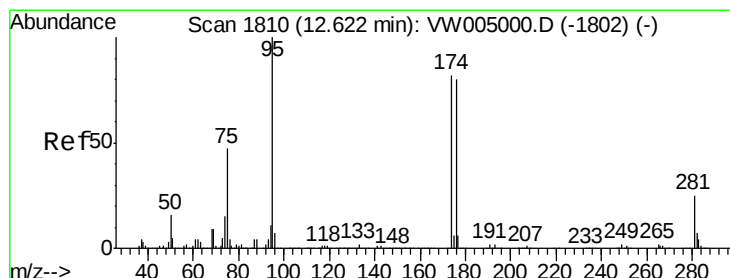
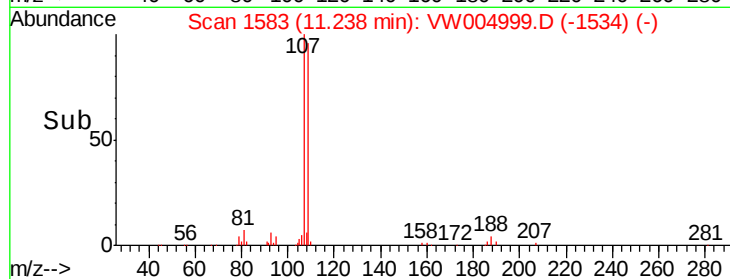
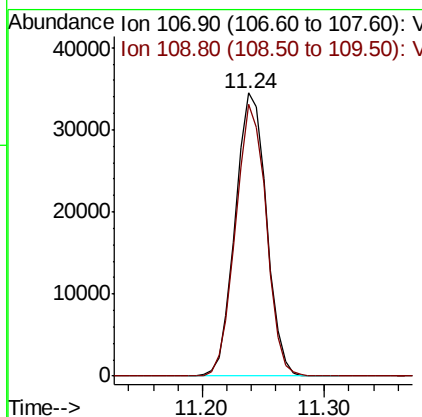
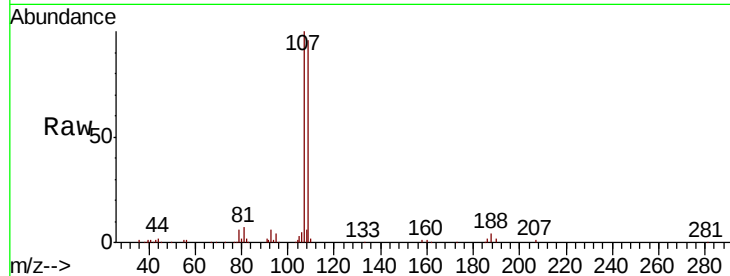




#61
 1,2-Dibromoethane
 Concen: 19.744 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

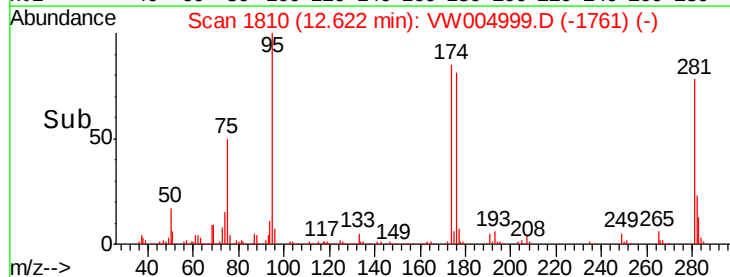
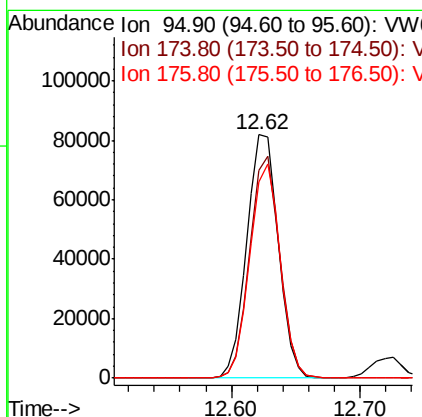
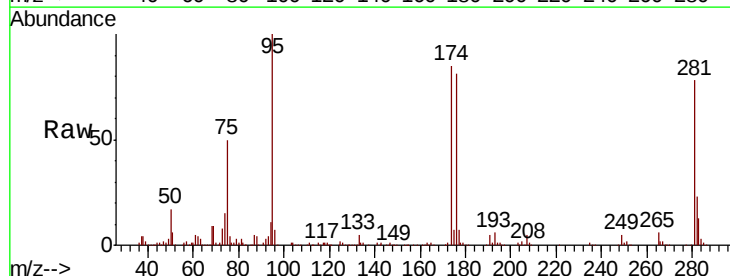
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

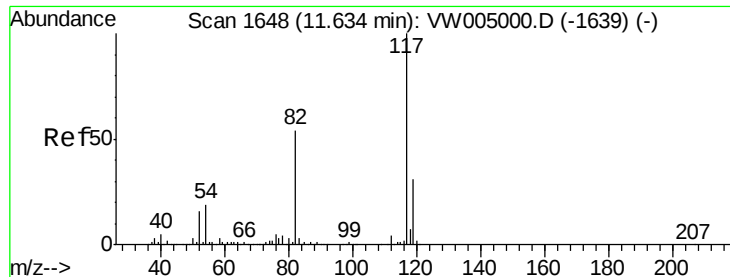
Tgt Ion: 107 Resp: 60897
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 20.393 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion: 95 Resp: 138438
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 173.4
 176 84.8 0.0 167.8

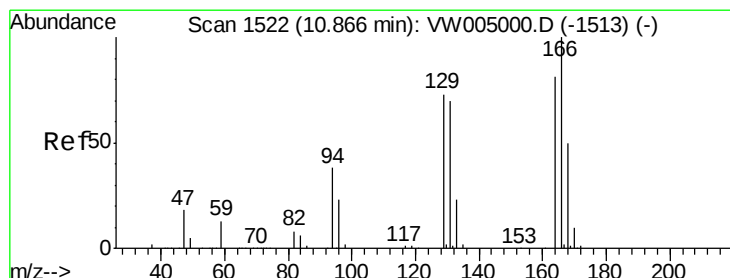
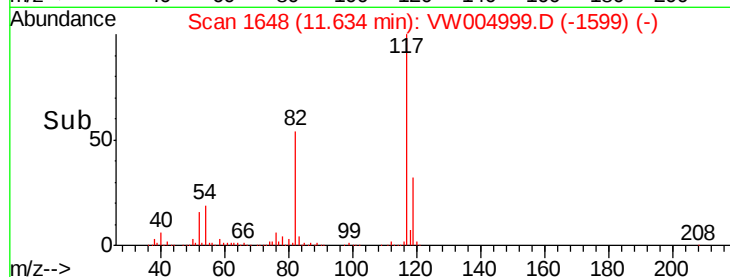
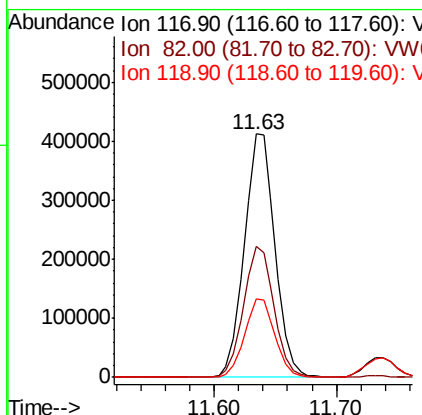
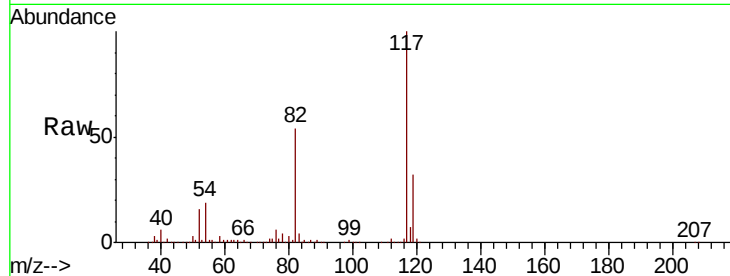




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

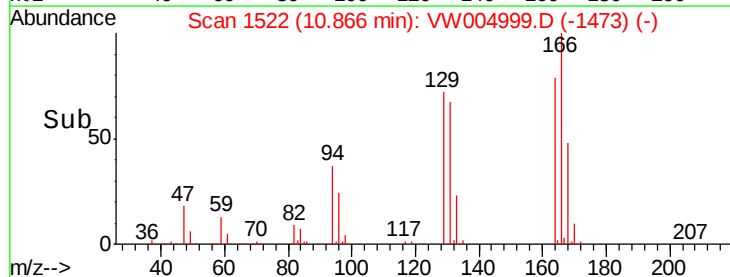
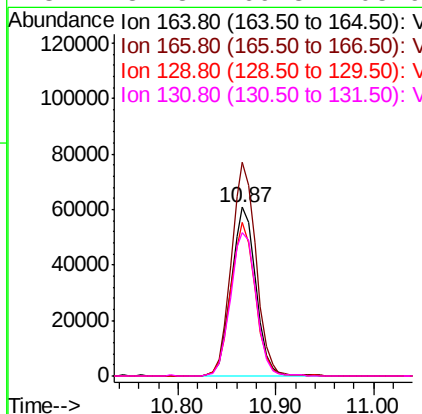
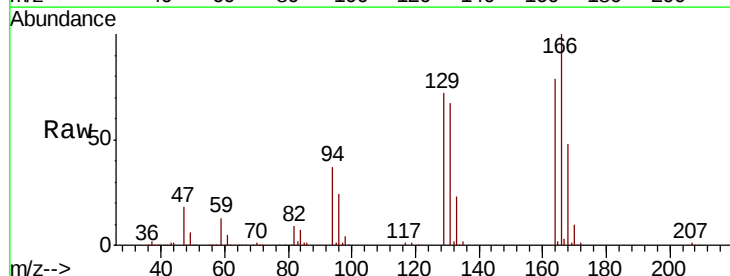
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

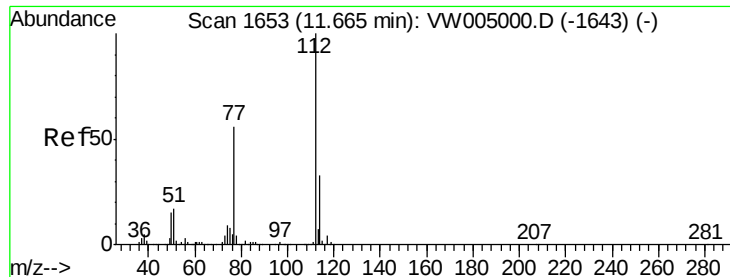
Tgt Ion:117 Resp: 715926
Ion Ratio Lower Upper
117 100
82 53.7 43.3 64.9
119 32.0 25.0 37.6



#64
Tetrachloroethene
Concen: 20.312 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion:164 Resp: 106025
Ion Ratio Lower Upper
164 100
166 126.5 99.4 149.0
129 90.9 72.2 108.2
131 84.8 69.3 103.9





#65

Chlorobenzene

Concen: 20.268 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

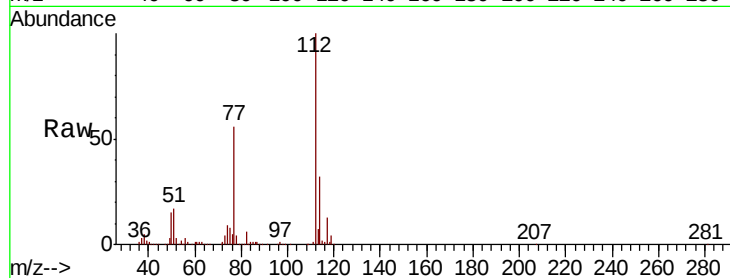
VSTDIC020

Tgt Ion:112 Resp: 318807

Ion Ratio Lower Upper

112 100

114 32.1 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

200000

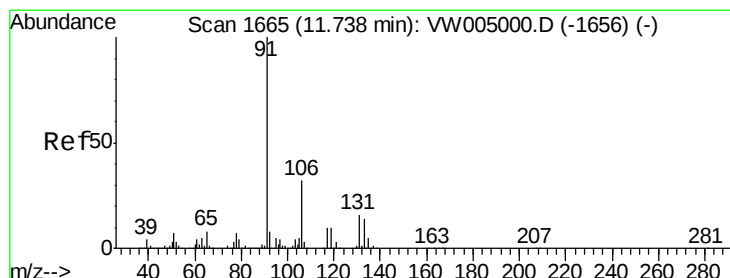
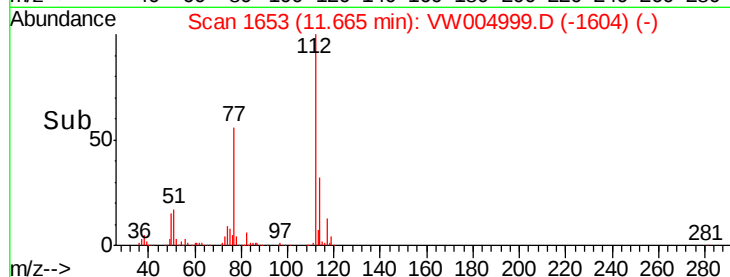
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.678 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

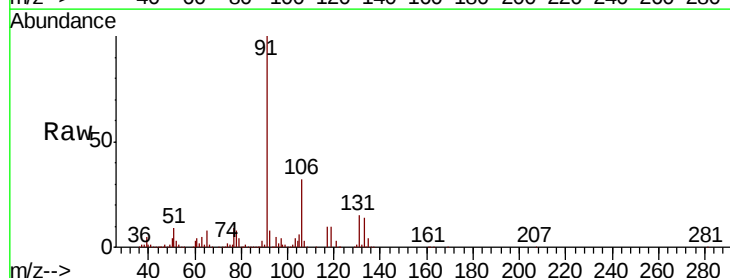
Tgt Ion:131 Resp: 85013

Ion Ratio Lower Upper

131 100

133 96.5 47.4 142.3

119 67.4 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

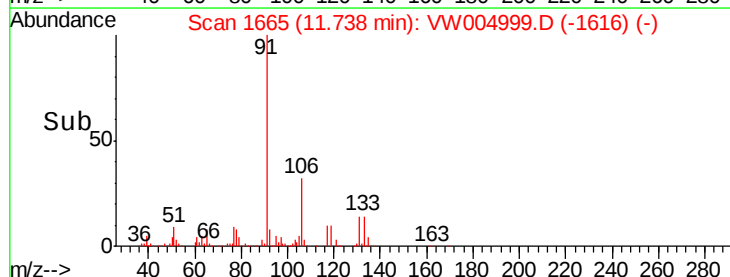
150000

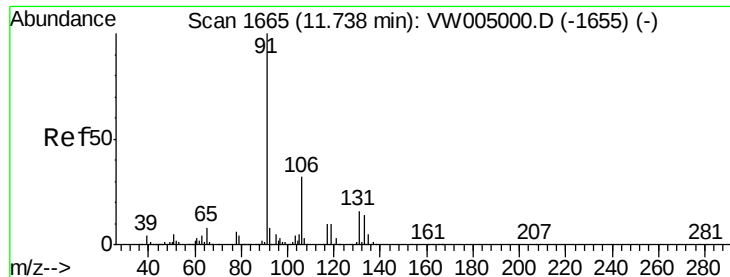
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 20.026 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

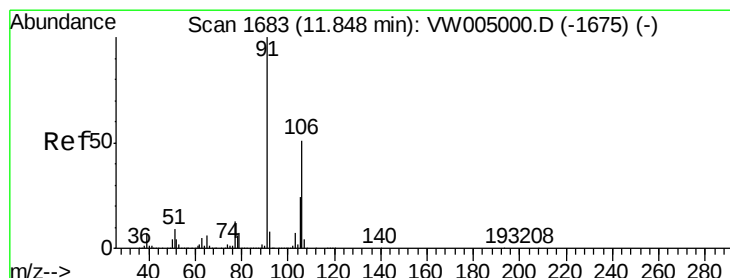
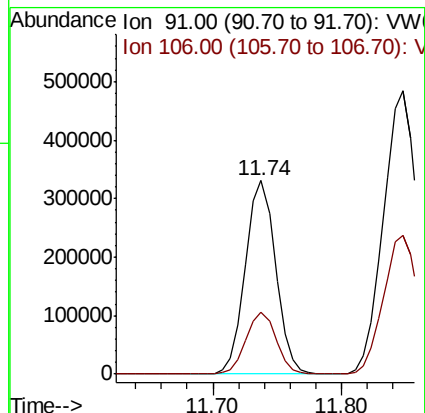
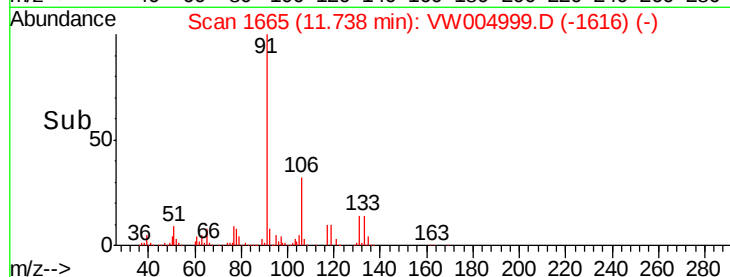
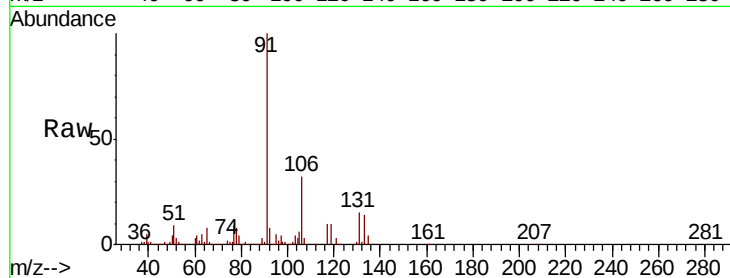
VSTDIC020

Tgt Ion: 91 Resp: 539357

Ion Ratio Lower Upper

91 100

106 31.7 25.4 38.2



#68

m/p-Xylenes

Concen: 40.951 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004999.D

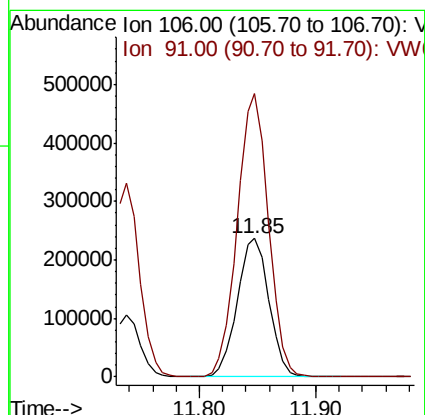
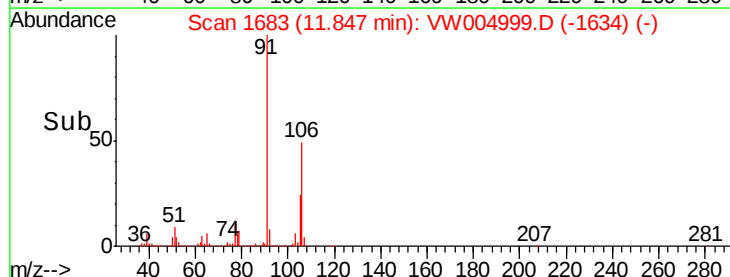
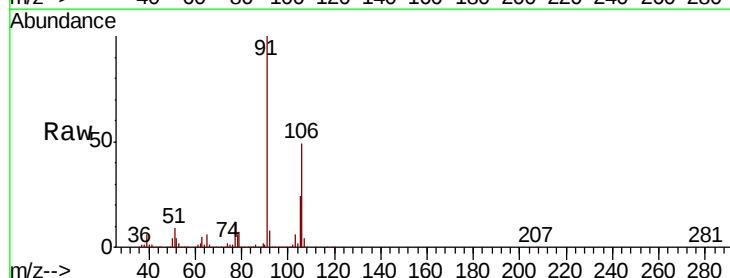
Acq: 29 Aug 2018 13:02

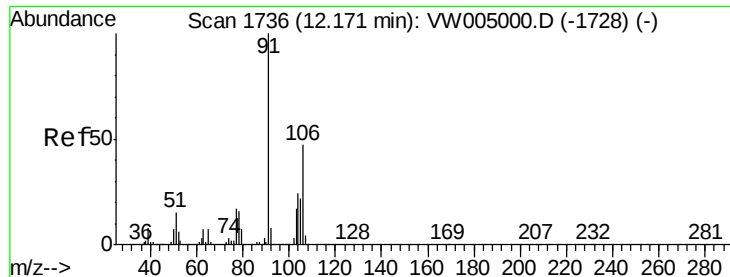
Tgt Ion: 106 Resp: 449849

Ion Ratio Lower Upper

106 100

91 200.6 158.4 237.6

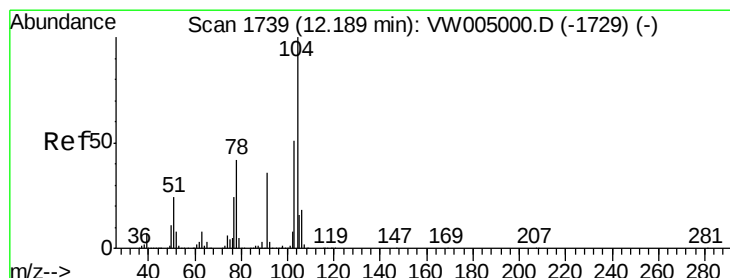
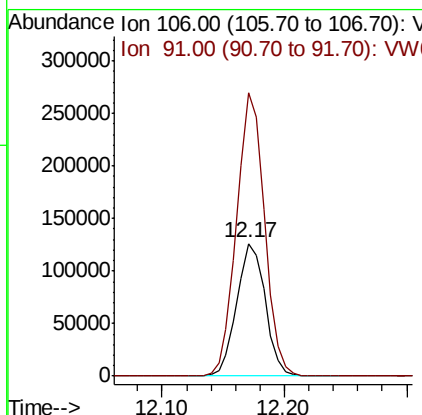
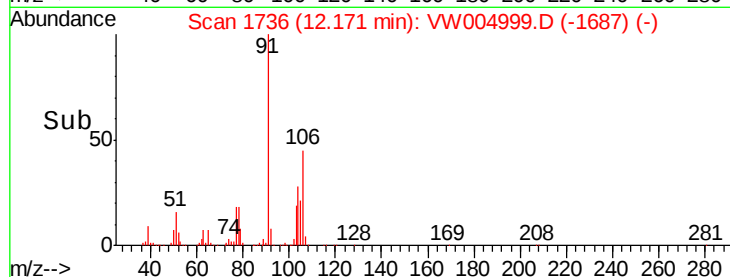
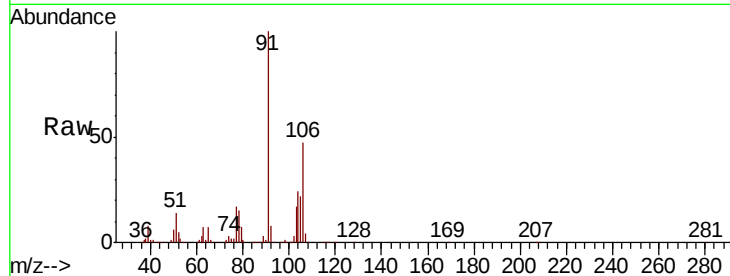




#69
o-Xylene
Concen: 20.267 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

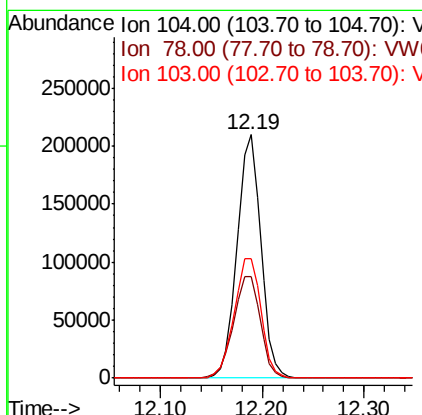
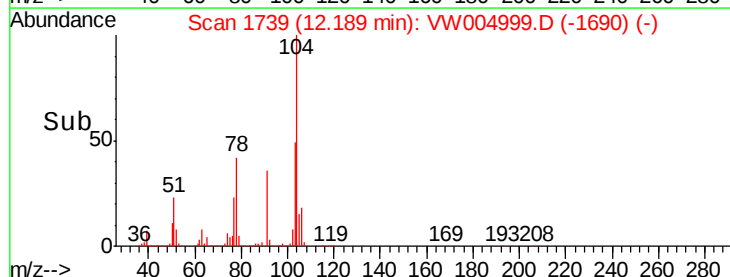
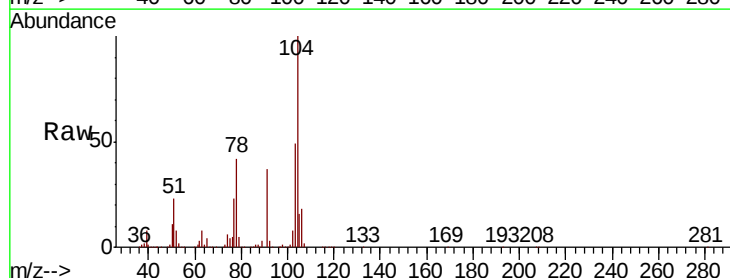
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

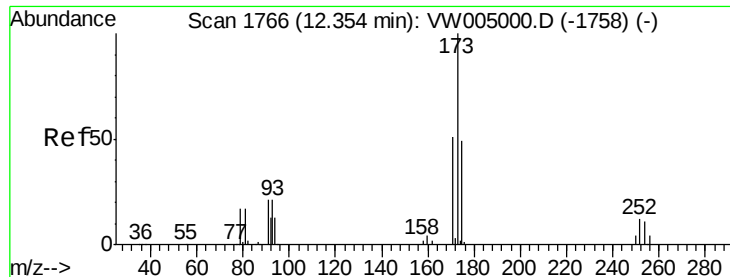
Tgt Ion:106 Resp: 203437
Ion Ratio Lower Upper
106 100
91 209.4 104.4 313.1



#70
Styrene
Concen: 20.273 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion:104 Resp: 337564
Ion Ratio Lower Upper
104 100
78 47.4 37.6 56.4
103 55.3 43.9 65.9





#71

Bromoform

Concen: 18.905 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

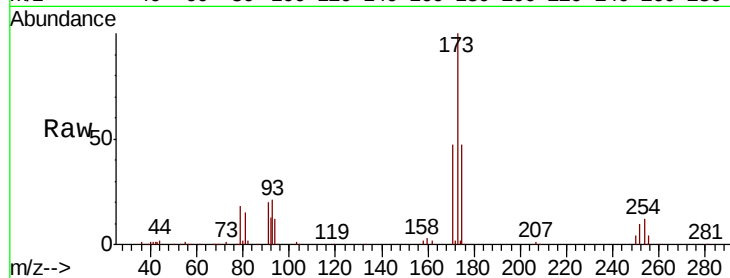
Tgt Ion:173 Resp: 45412

Ion Ratio Lower Upper

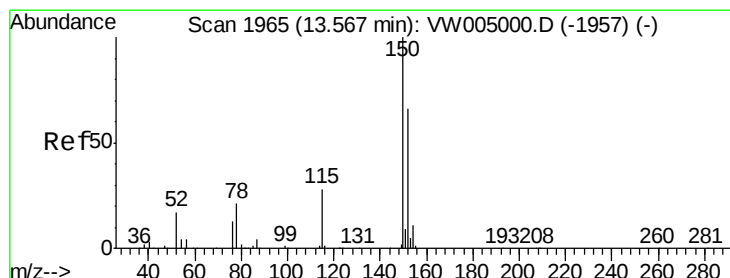
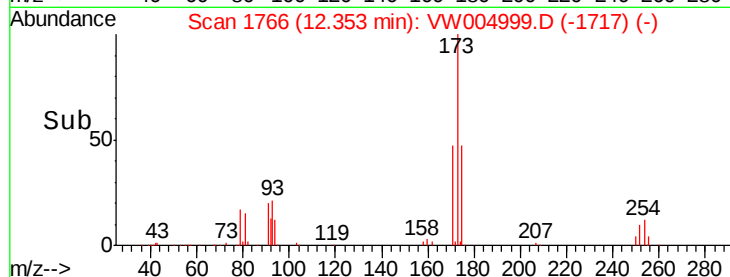
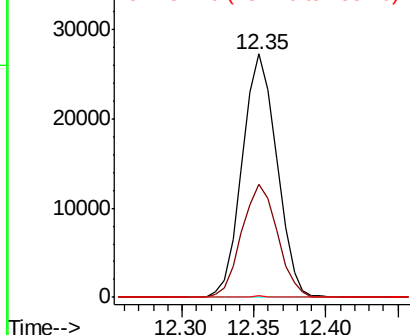
173 100

175 47.9 24.3 73.0

254 0.2 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: VW004999.D

Acq: 29 Aug 2018 13:02

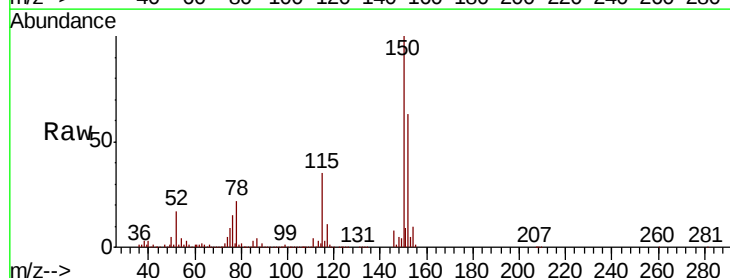
Tgt Ion:152 Resp: 402410

Ion Ratio Lower Upper

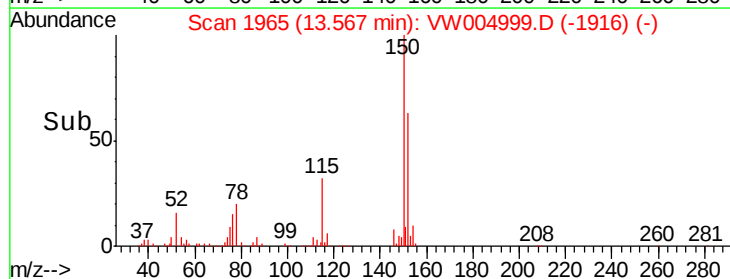
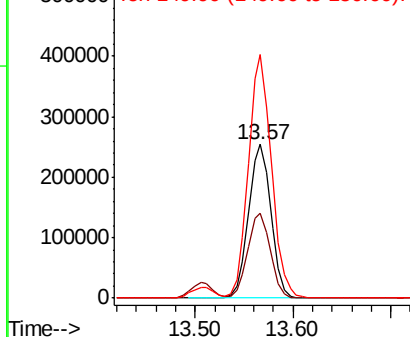
152 100

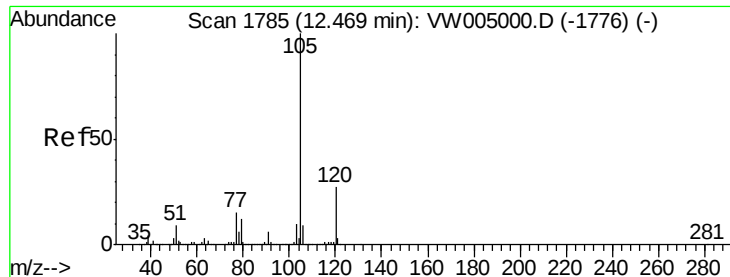
115 55.9 28.0 83.9

150 162.9 0.0 347.2



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: 20.294 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

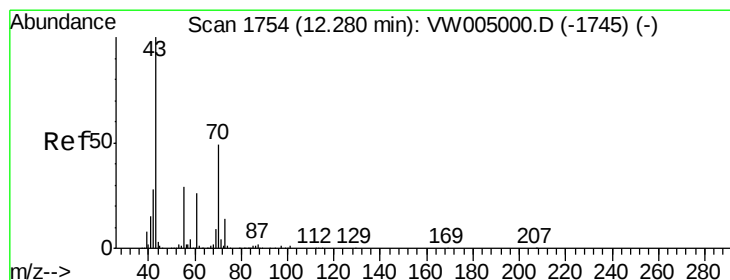
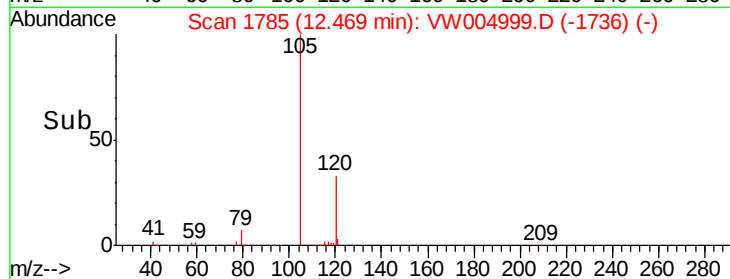
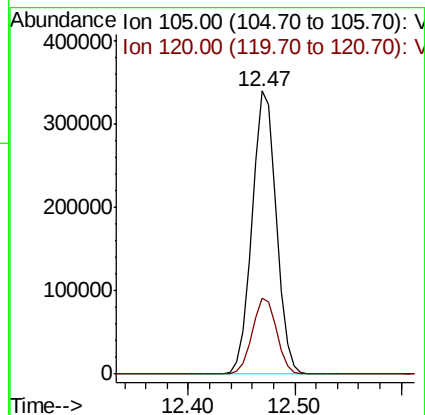
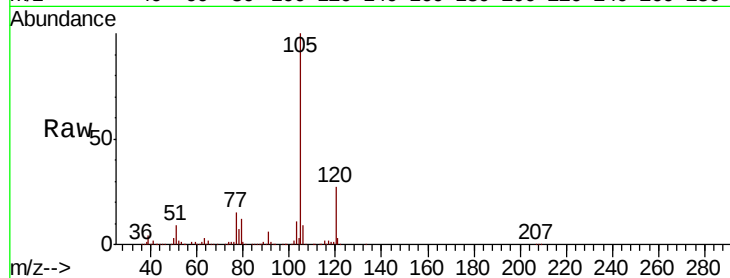
VSTDIC020

Tgt Ion: 105 Resp: 544392

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



#74

N-ethyl acetate

Concen: 18.817 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Tgt Ion: 43 Resp: 95258

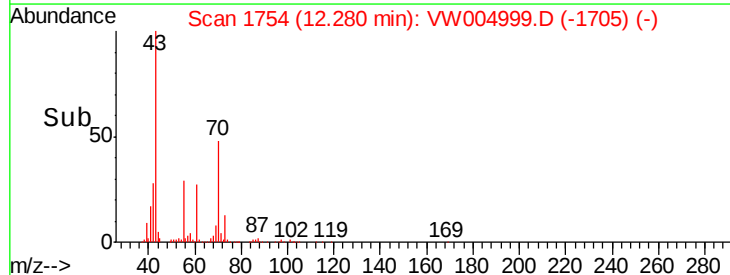
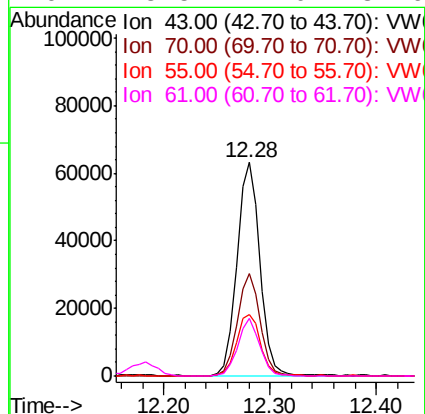
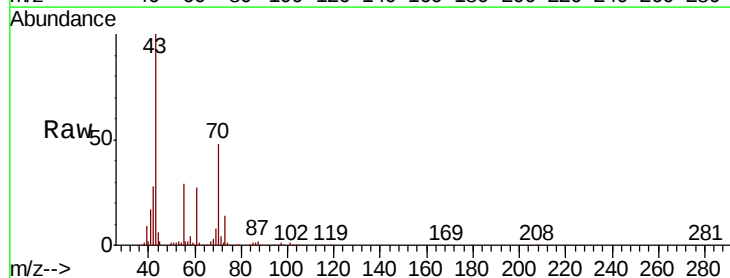
Ion Ratio Lower Upper

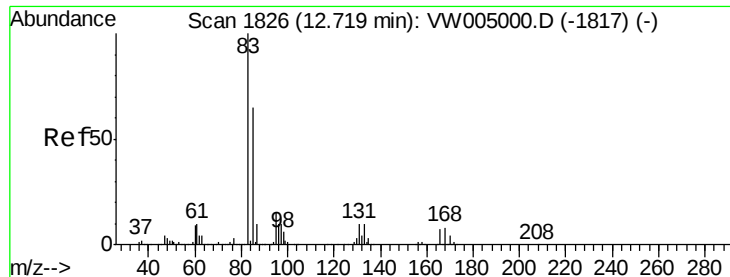
43 100

70 47.9 38.6 57.8

55 30.4 23.6 35.4

61 25.5 21.0 31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.274 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

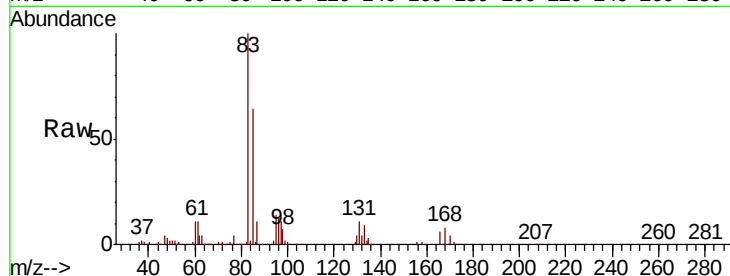
Tgt Ion: 83 Resp: 78282

Ion Ratio Lower Upper

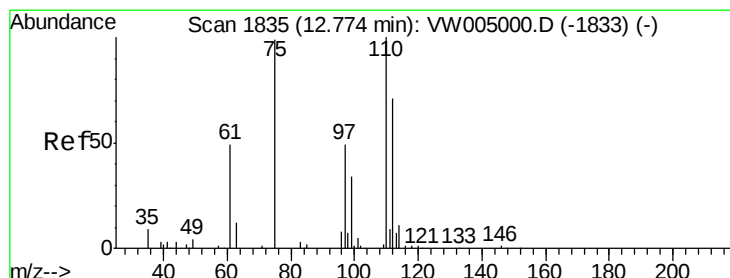
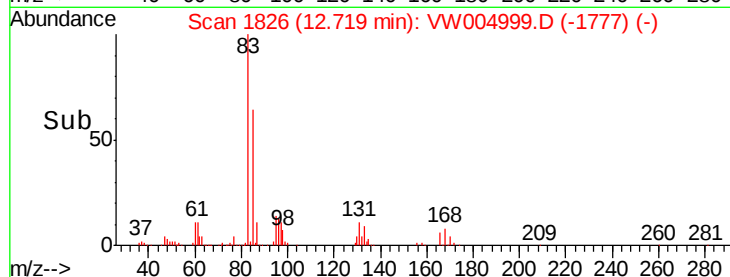
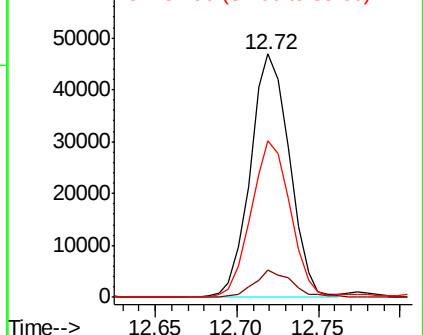
83 100

131 11.0 5.5 16.5

85 64.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 21.263 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004999.D

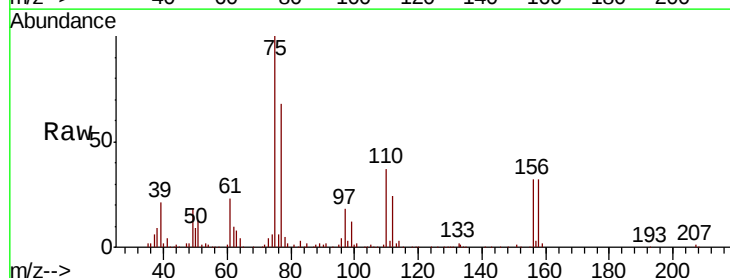
Acq: 29 Aug 2018 13:02

Tgt Ion: 75 Resp: 106810

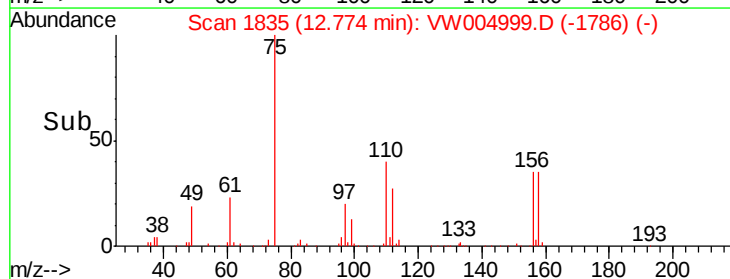
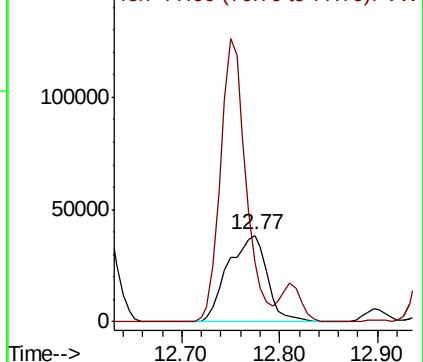
Ion Ratio Lower Upper

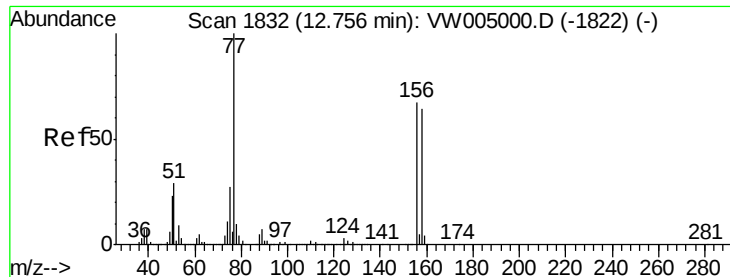
75 100

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: 20.184 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

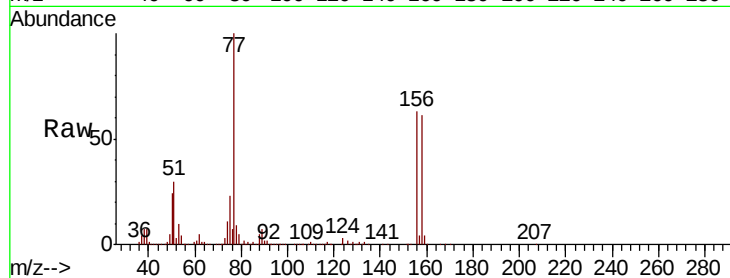
Tgt Ion:156 Resp: 132849

Ion Ratio Lower Upper

156 100

77 171.6 86.9 260.6

158 96.5 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

150000

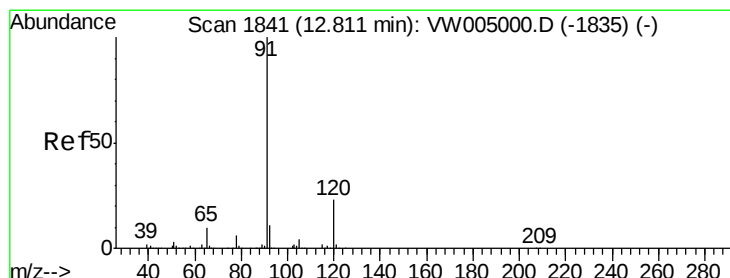
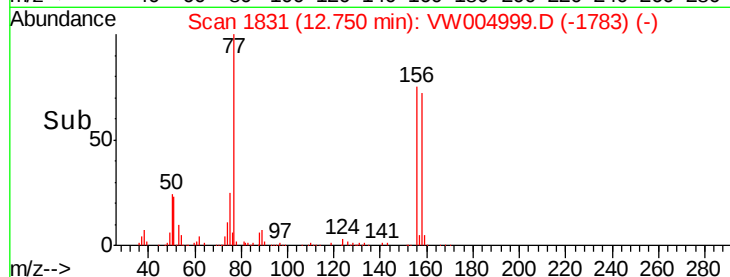
100000

50000

0

12.70 12.80

Time-->



#78

n-propylbenzene

Concen: 20.511 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW004999.D

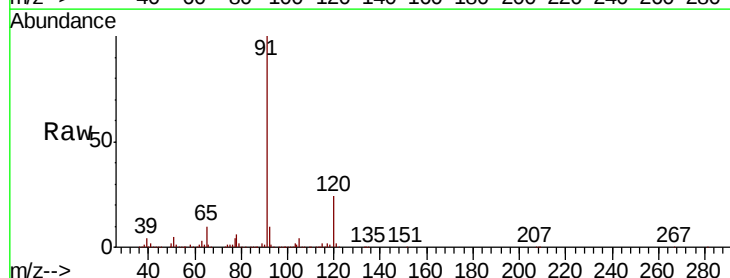
Acq: 29 Aug 2018 13:02

Tgt Ion: 91 Resp: 678687

Ion Ratio Lower Upper

91 100

120 23.6 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

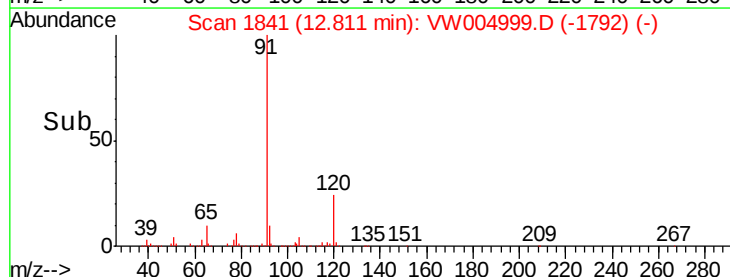
200000

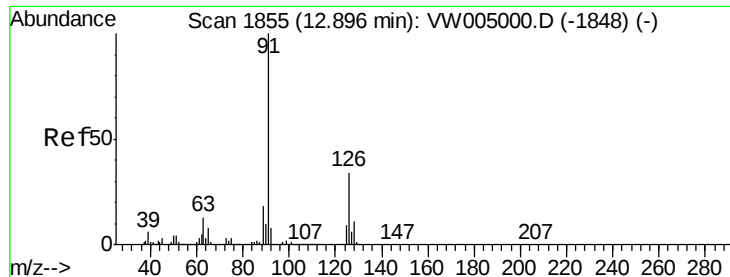
100000

0

12.75 12.80 12.85

Time-->





#79

2-Chlorotoluene

Concen: 20.396 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

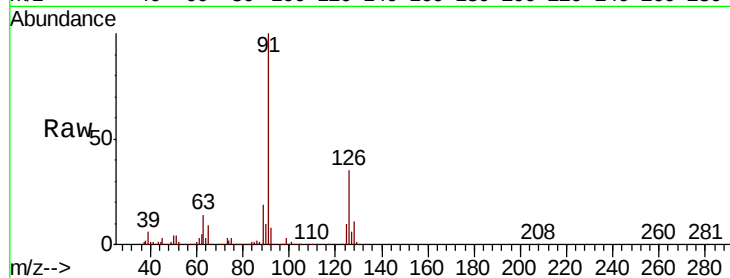
VSTDIC020

Tgt Ion: 91 Resp: 389798

Ion Ratio Lower Upper

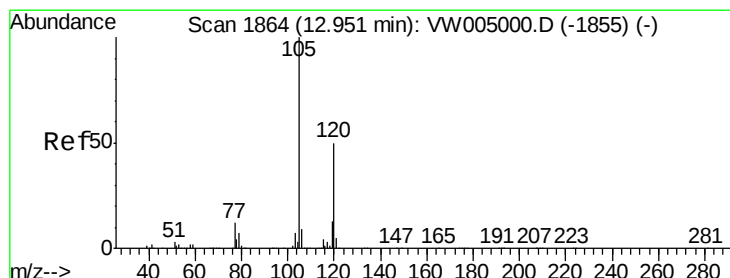
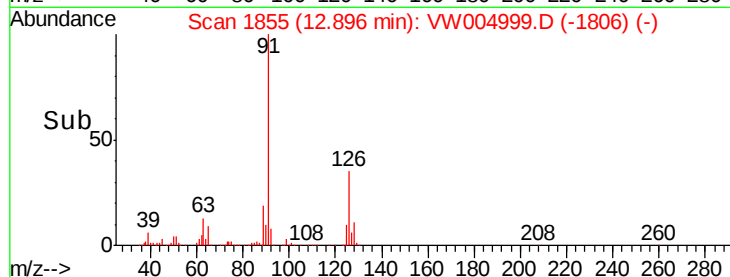
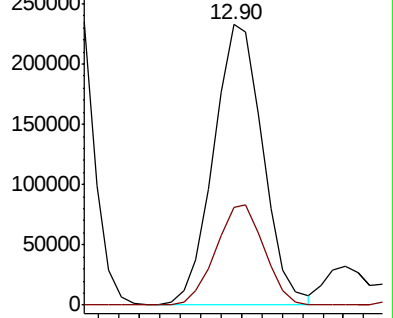
91 100

126 35.3 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.681 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004999.D

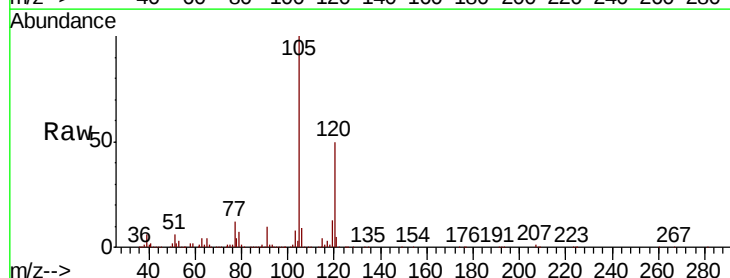
Acq: 29 Aug 2018 13:02

Tgt Ion: 105 Resp: 490149

Ion Ratio Lower Upper

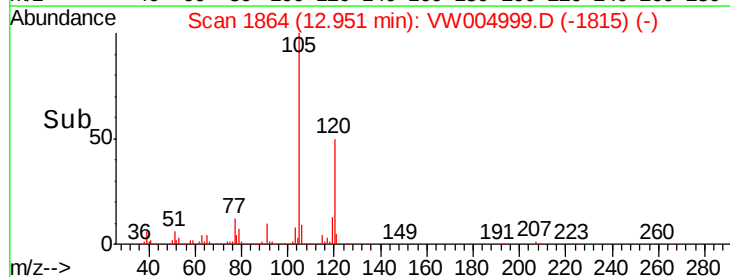
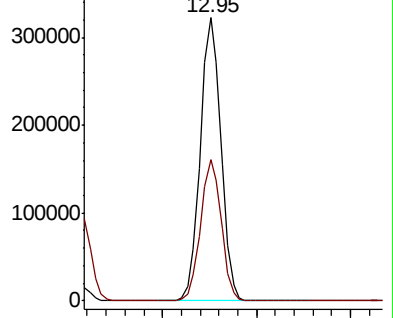
105 100

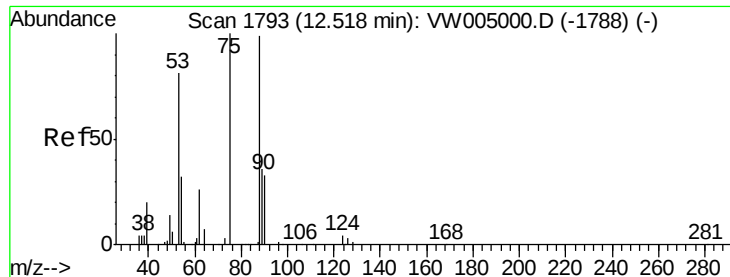
120 49.6 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.379 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

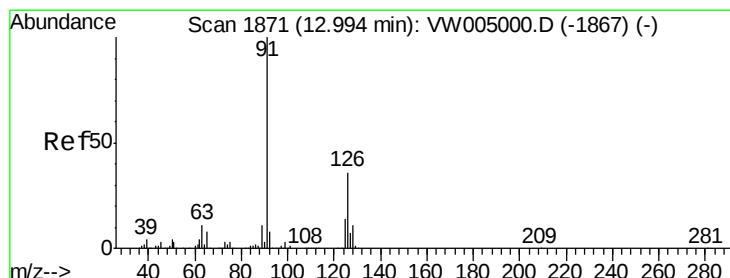
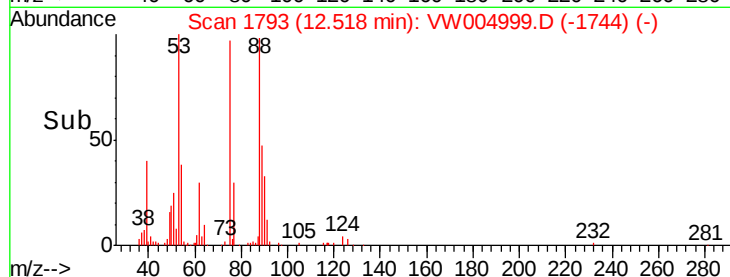
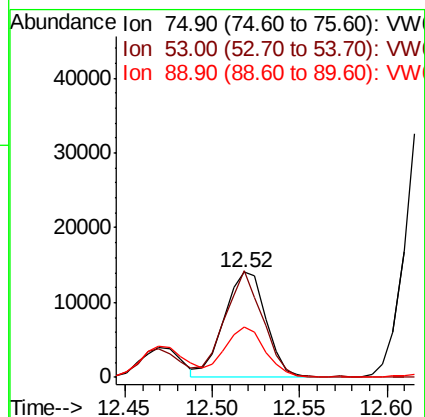
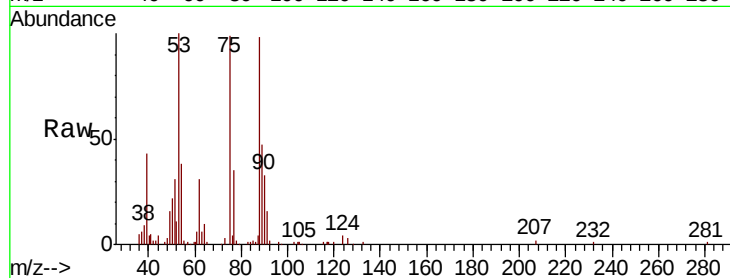
Tgt Ion: 75 Resp: 23177

Ion Ratio Lower Upper

75 100

53 94.2 67.4 101.2

89 47.1 35.0 52.6



#82

4-Chlorotoluene

Concen: 20.757 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW004999.D

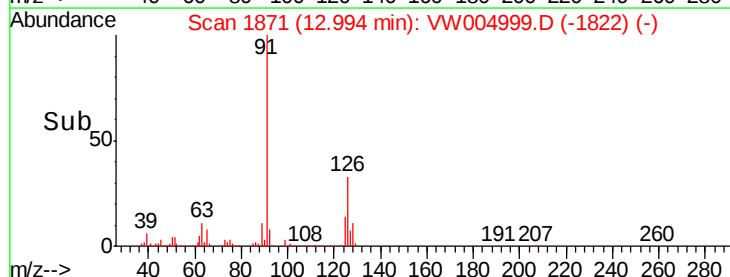
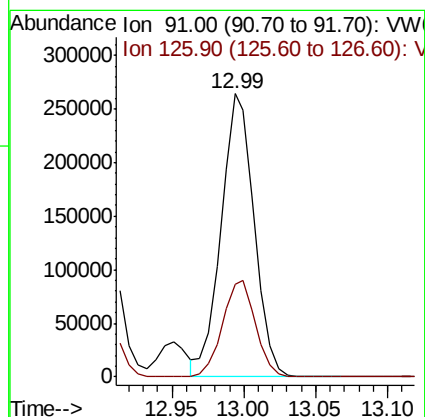
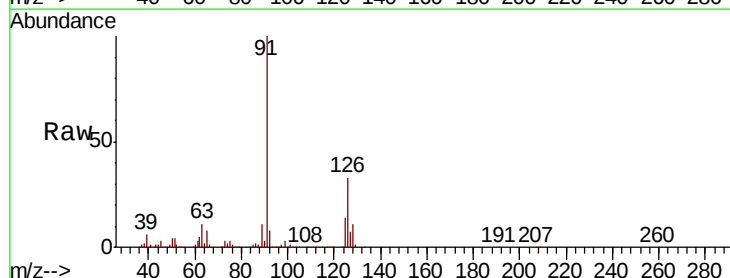
Acq: 29 Aug 2018 13:02

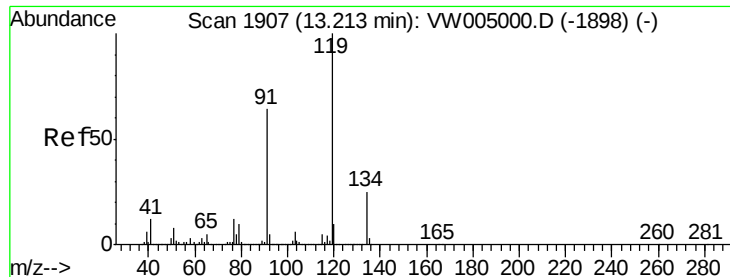
Tgt Ion: 91 Resp: 422659

Ion Ratio Lower Upper

91 100

126 34.1 17.5 52.5

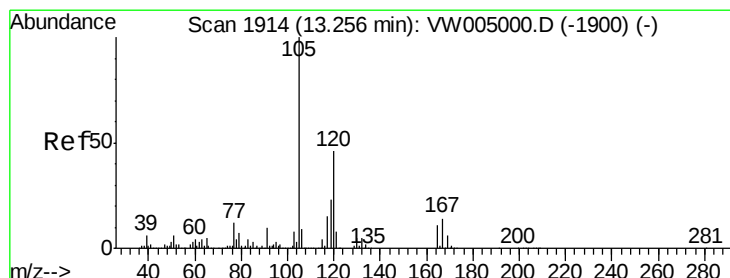
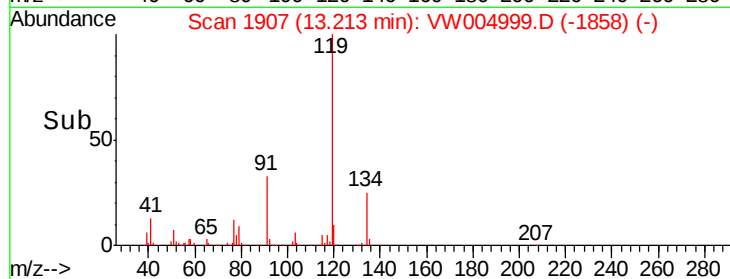
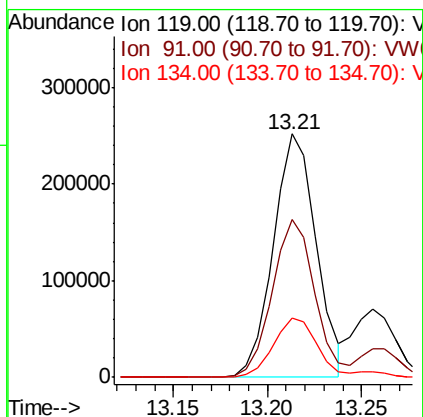
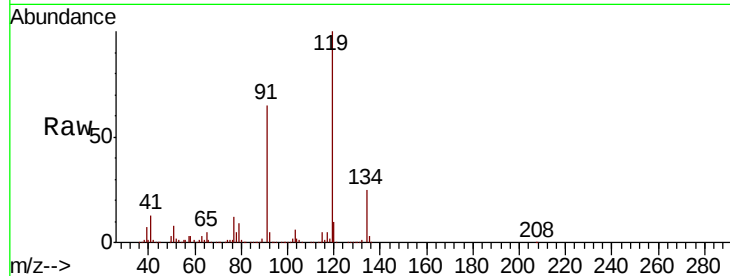




#83
 tert-Butylbenzene
 Concen: 19.974 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

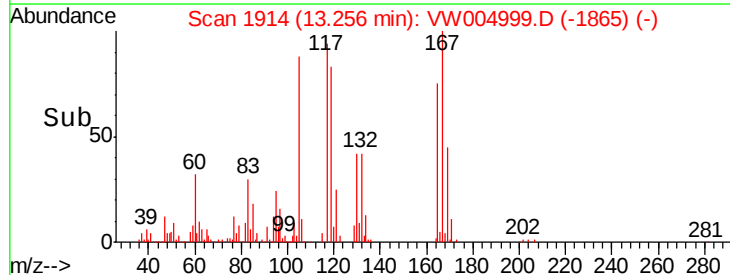
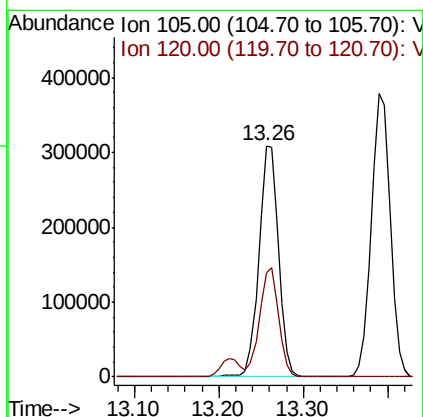
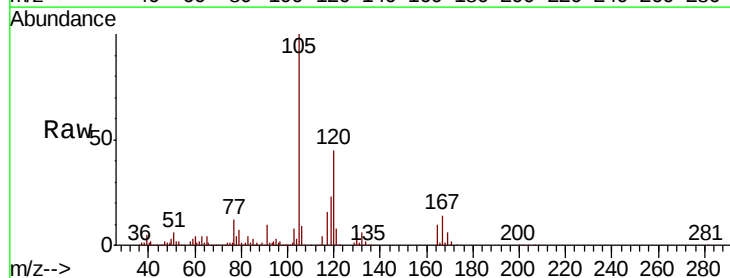
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

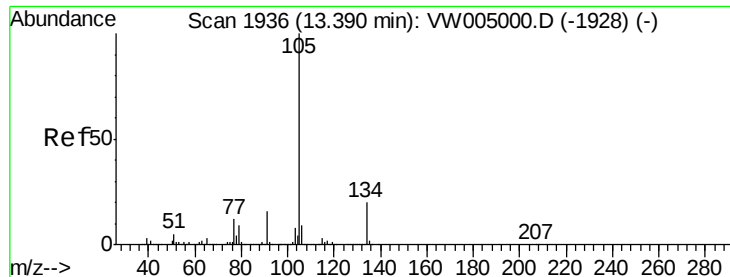
Tgt Ion:119 Resp: 397605
 Ion Ratio Lower Upper
 119 100
 91 64.5 31.9 95.5
 134 26.6 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.467 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion:105 Resp: 492182
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.7





#85

sec-Butylbenzene

Concen: 20.327 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

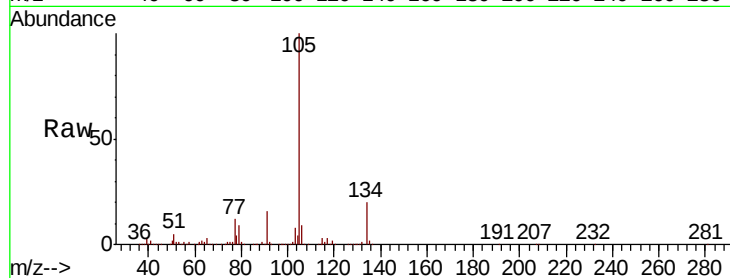
VSTDIC020

Tgt Ion:105 Resp: 593971

Ion Ratio Lower Upper

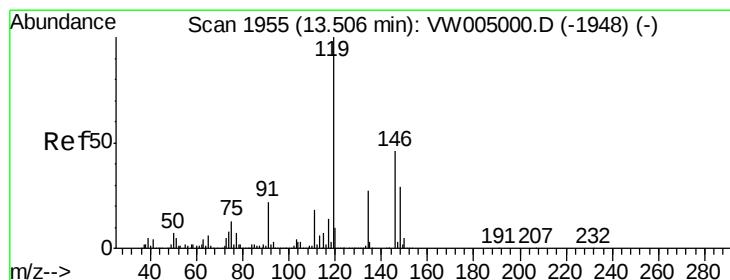
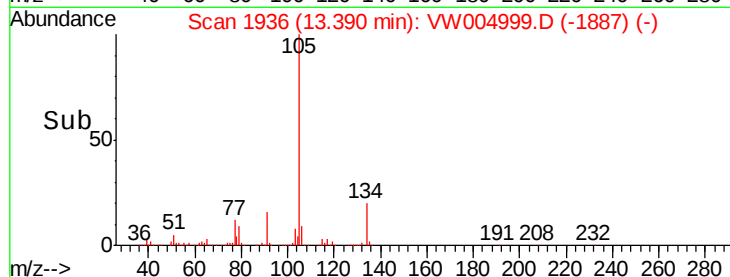
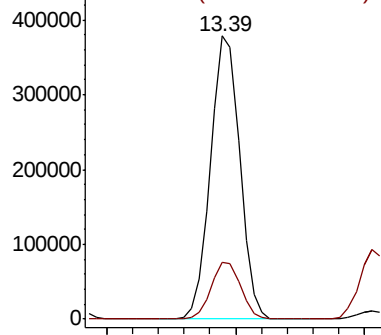
105 100

134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.359 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

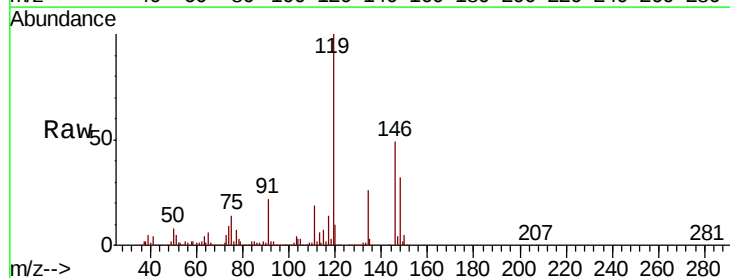
Tgt Ion:119 Resp: 532974

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

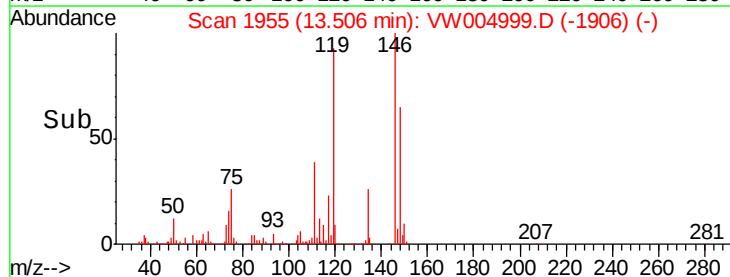
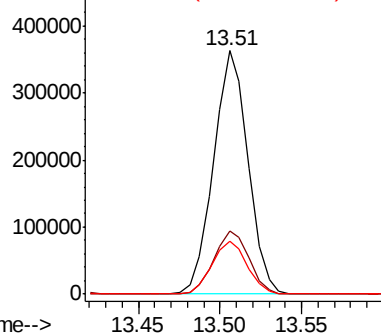
91 22.1 10.9 32.9

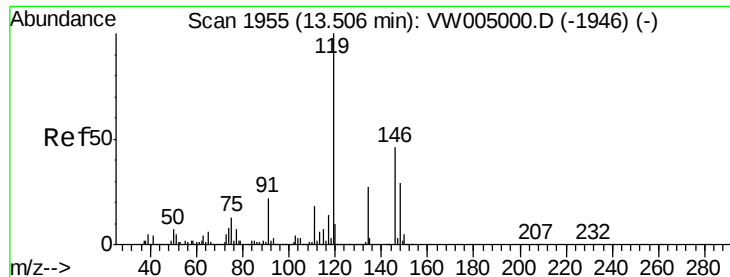


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

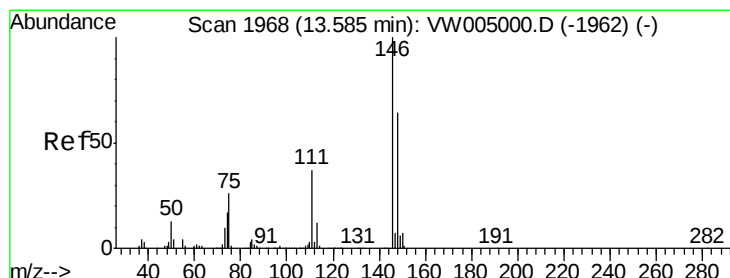
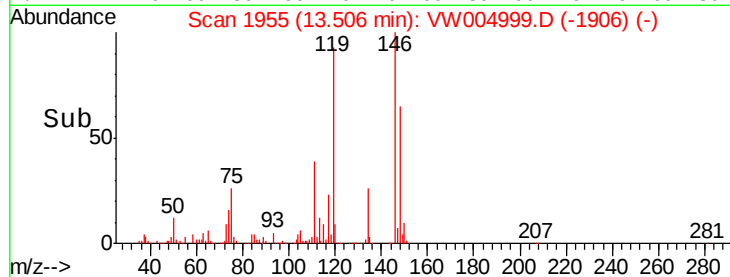
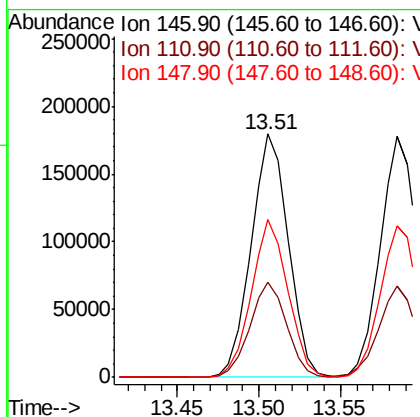
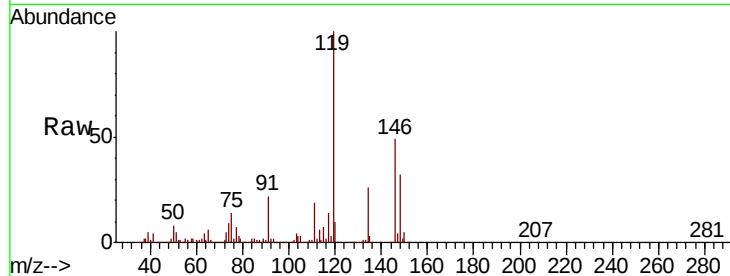




#87
 1,3-Dichlorobenzene
 Concen: 20.432 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

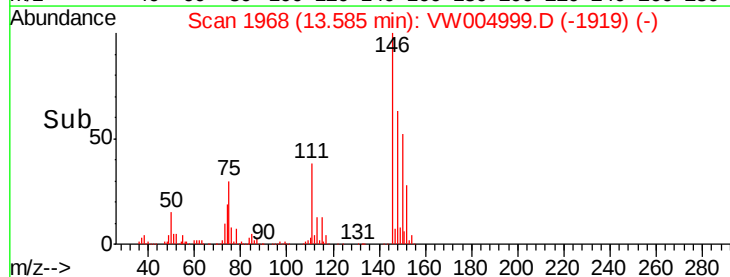
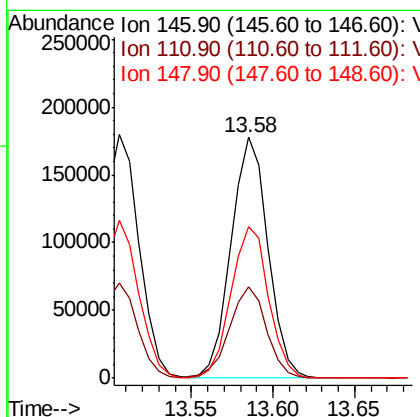
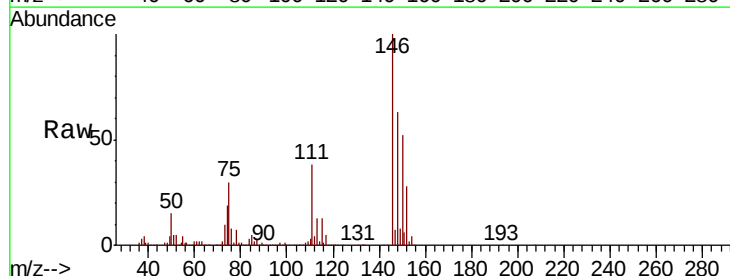
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

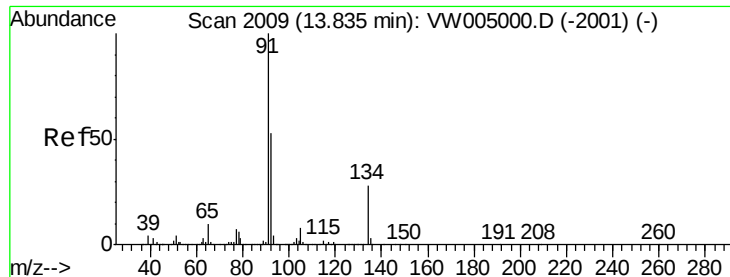
Tgt Ion:146 Resp: 285091
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.3 57.8
 148 63.6 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 20.253 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion:146 Resp: 279911
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.7 56.1
 148 63.9 31.7 95.1





#89

n-Butylbenzene

Concen: 19.758 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

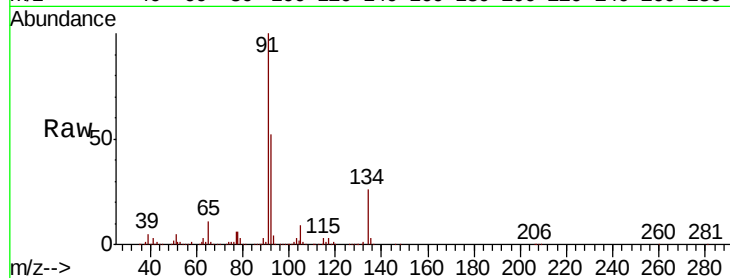
Tgt Ion: 91 Resp: 485556

Ion Ratio Lower Upper

91 100

92 52.2 26.5 79.4

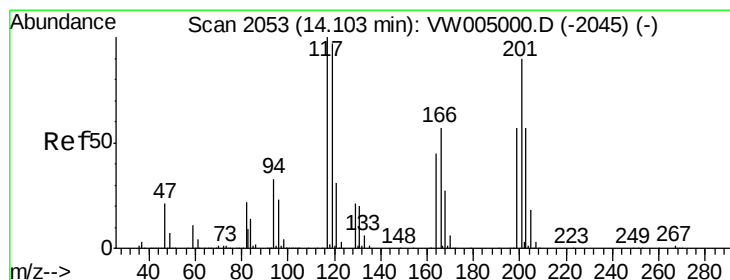
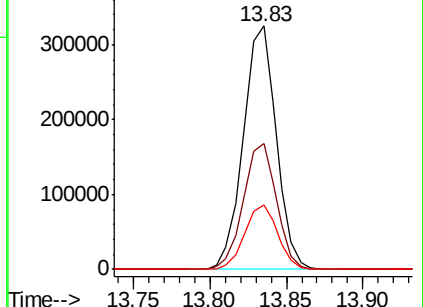
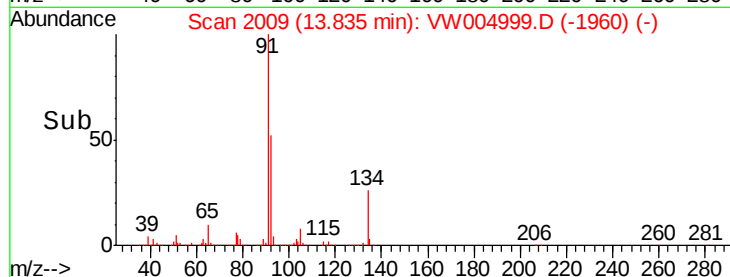
134 26.4 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.668 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW004999.D

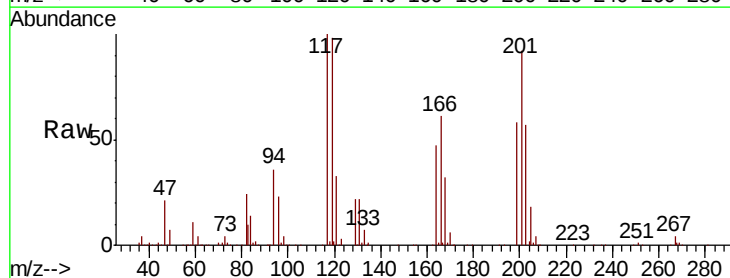
Acq: 29 Aug 2018 13:02

Tgt Ion: 117 Resp: 80937

Ion Ratio Lower Upper

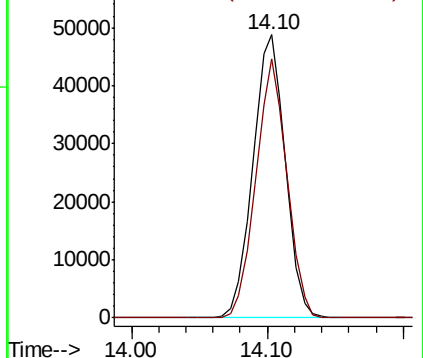
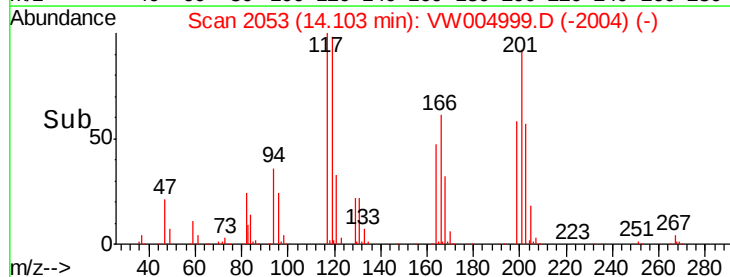
117 100

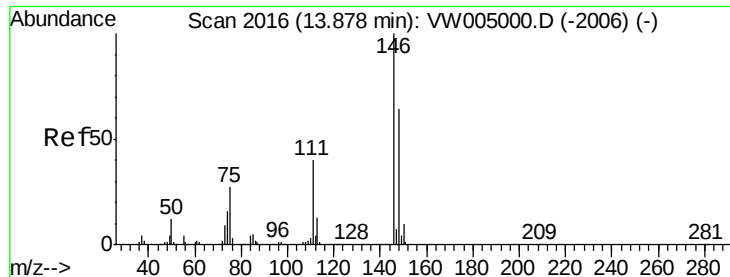
201 88.0 44.3 132.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.155 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

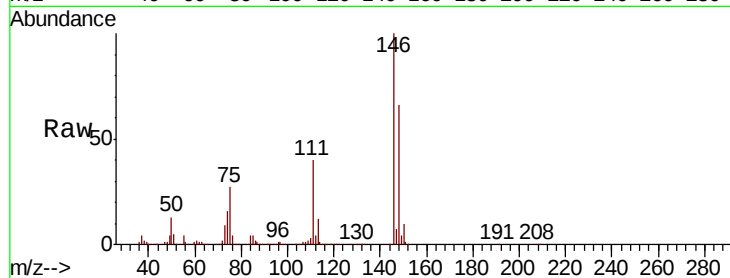
Tgt Ion:146 Resp: 247551

Ion Ratio Lower Upper

146 100

111 39.8 19.9 59.7

148 64.6 31.9 95.7

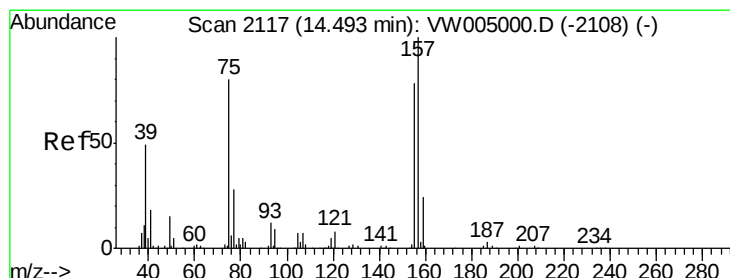
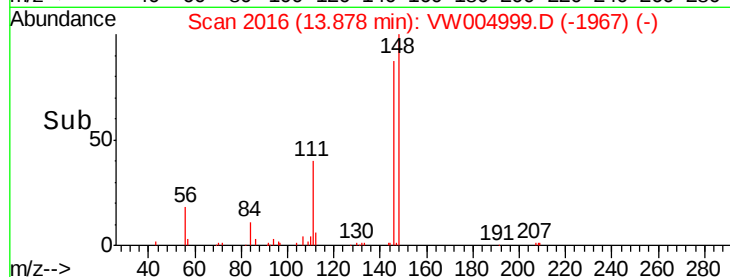
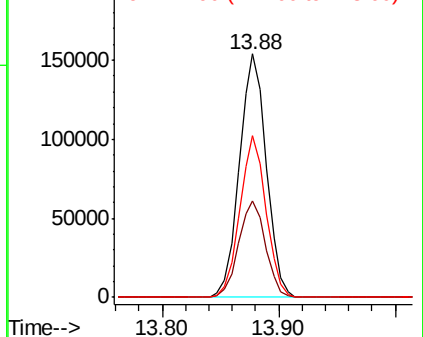


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.533 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

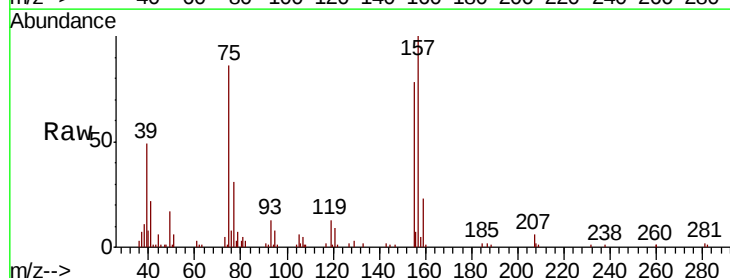
Tgt Ion: 75 Resp: 13001

Ion Ratio Lower Upper

75 100

155 89.9 46.1 138.2

157 111.1 58.7 176.1

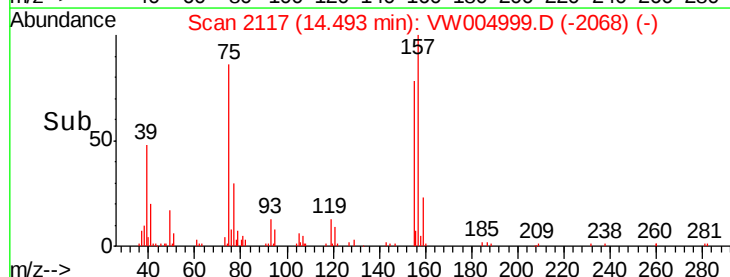
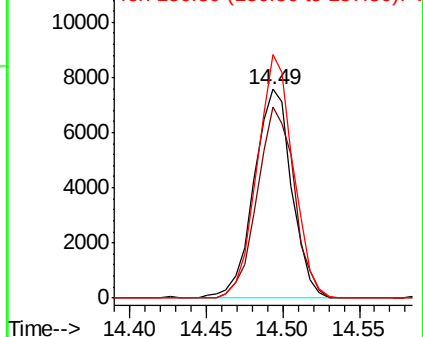


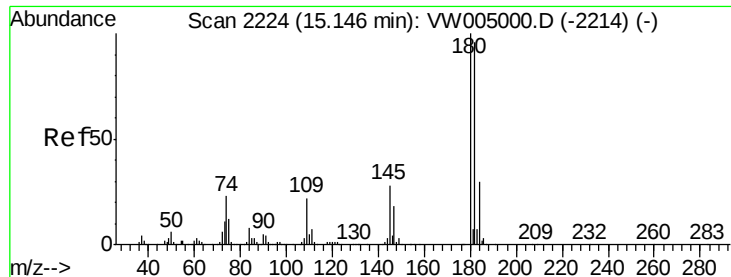
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

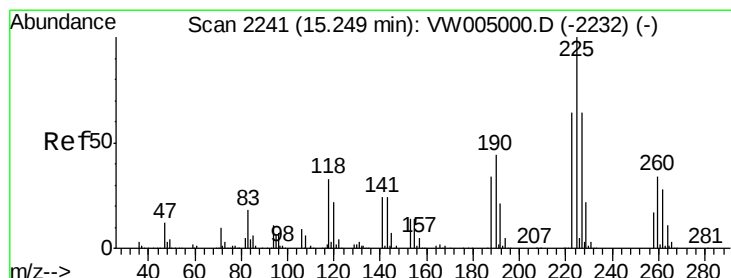
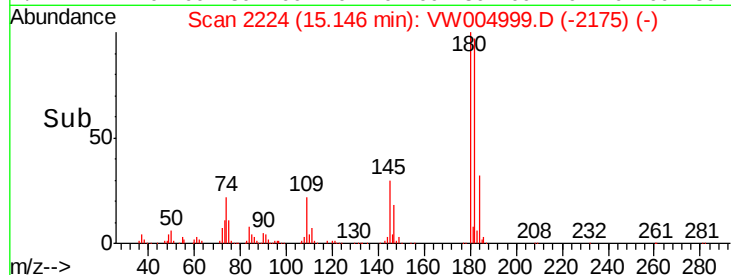
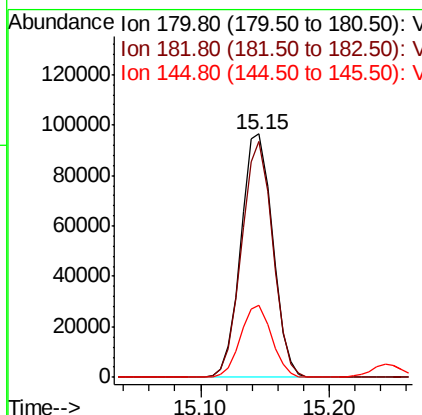
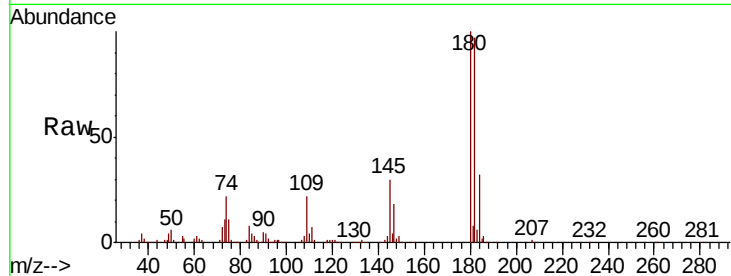




#93
 1,2,4-Trichlorobenzene
 Concen: 19.108 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

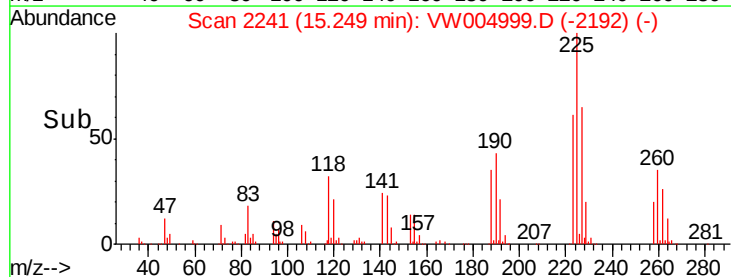
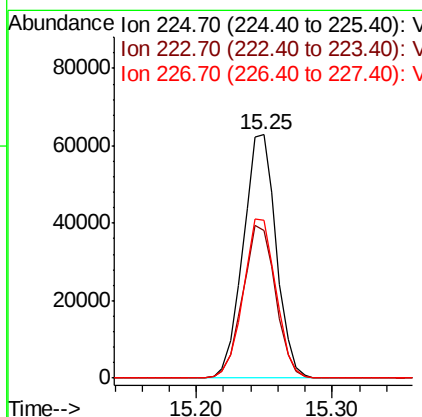
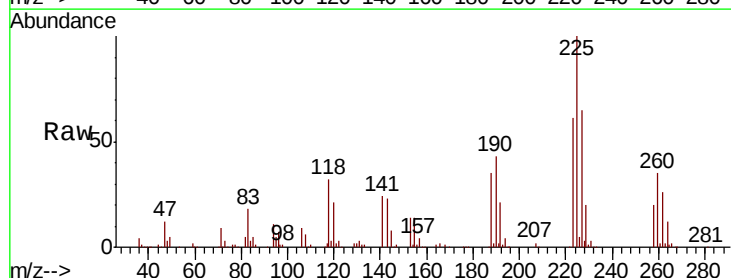
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

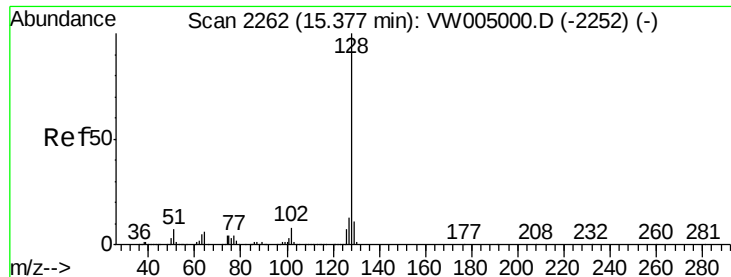
Tgt Ion:180 Resp: 164418
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.6 142.8
 145 29.2 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 19.837 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion:225 Resp: 106849
 Ion Ratio Lower Upper
 225 100
 223 62.4 32.0 96.0
 227 64.8 31.9 95.7

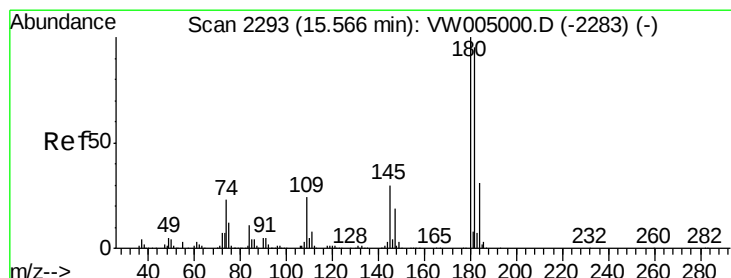
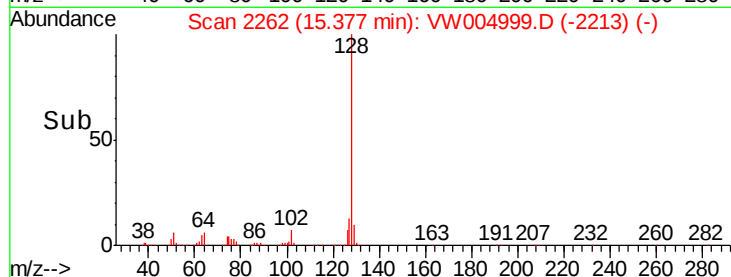
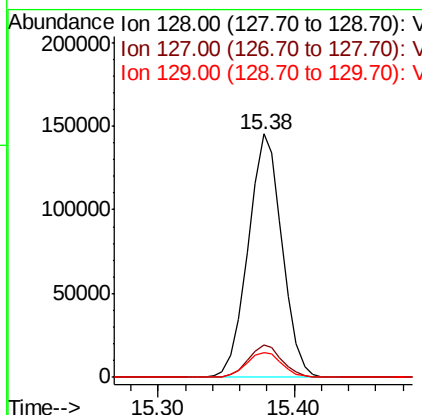
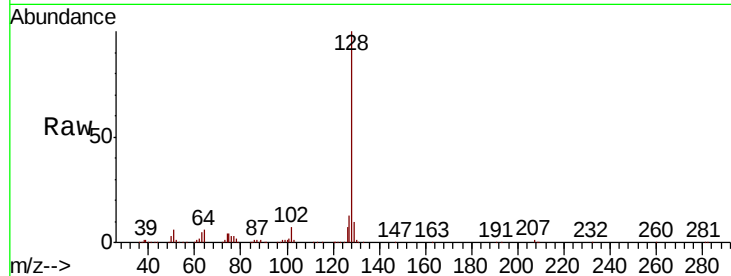




#95
Naphthalene
Concen: 17.975 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	10.7	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.980 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.8
145	29.8	15.1	45.3

