

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091018\
 Data File : VW005241.D
 Acq On : 10 Sep 2018 14:58
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 11 02:47:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:46:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	500022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	704625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	713931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	394326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	72256	19.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.74%	
35) Dibromofluoromethane	7.89	113	72910	19.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.50%	
50) Toluene-d8	10.33	98	364276	19.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.06%	
62) 4-Bromofluorobenzene	12.63	95	133003	19.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	92683	21.488	ug/l	100
3) Chloromethane	2.22	50	116550	20.211	ug/l	96
4) Vinyl Chloride	2.36	62	105976	20.018	ug/l	95
5) Bromomethane	2.75	94	70940	19.695	ug/l	98
6) Chloroethane	2.91	64	56357	19.326	ug/l	99
7) Trichlorofluoromethane	3.26	101	121204	20.239	ug/l	97
8) Diethyl Ether	3.69	74	41035	19.226	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	85375	19.958	ug/l	99
10) Methyl Iodide	4.28	142	87756	18.630	ug/l	100
11) Tert butyl alcohol	5.18	59	29233	95.581	ug/l	99
12) 1,1-Dichloroethene	4.04	96	78394	19.903	ug/l	94
13) Acrolein	3.90	56	30044	101.694	ug/l	99
14) Allyl chloride	4.68	41	115706	19.119	ug/l	99
15) Acrylonitrile	5.38	53	92032	95.577	ug/l	98
16) Acetone	4.13	43	61840	89.332	ug/l	95
17) Carbon Disulfide	4.38	76	269244	19.475	ug/l	100
18) Methyl Acetate	4.68	43	39314	19.025	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	186993	19.933	ug/l	99
20) Methylene Chloride	4.92	84	115199	19.634	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	90355	19.648	ug/l	96
22) Diisopropyl ether	6.32	45	242709	19.920	ug/l	95
23) Vinyl Acetate	6.26	43	678997	99.999	ug/l	100
24) 1,1-Dichloroethane	6.23	63	149871	19.983	ug/l	98
25) 2-Butanone	7.18	43	105478	96.598	ug/l	97
26) 2,2-Dichloropropane	7.17	77	130259	20.032	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	97561	19.822	ug/l	99
28) Bromochloromethane	7.52	49	54037	19.530	ug/l #	99
29) Tetrahydrofuran	7.54	42	71696	97.434	ug/l	99
30) Chloroform	7.68	83	151006	20.063	ug/l	100
31) Cyclohexane	7.96	56	159913	20.038	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	135505	19.928	ug/l	100
36) 1,1-Dichloropropene	8.09	75	133708	20.712	ug/l	99
37) Ethyl Acetate	7.26	43	49326	20.088	ug/l	98
38) Carbon Tetrachloride	8.07	117	123096	20.356	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	171047	19.956	ug/l	99
40) Benzene	8.33	78	382165	20.094	ug/l	98
41) Methacrylonitrile	7.49	41	25227	20.025	ug/l #	91
42) 1,2-Dichloroethane	8.41	62	92513	20.333	ug/l	100
43) Isopropyl Acetate	8.43	43	88015	19.303	ug/l	97
44) Trichloroethene	9.10	130	108014	20.702	ug/l	97
45) 1,2-Dichloropropane	9.38	63	94485	20.669	ug/l	99
46) Dibromomethane	9.46	93	44831	20.035	ug/l	100
47) Bromodichloromethane	9.65	83	112267	20.510	ug/l	95
48) Methyl methacrylate	9.45	41	47347	19.998	ug/l	99
49) 1,4-Dioxane	9.45	88	16624	397.916	ug/l	96
51) 4-Methyl-2-Pentanone	10.22	43	250756	97.723	ug/l	99
52) Toluene	10.40	92	275203	19.910	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	118758	20.075	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	144121	20.344	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	72623	20.355	ug/l	98
56) Ethyl methacrylate	10.65	69	87244	19.288	ug/l	97
57) 1,3-Dichloropropane	10.94	76	120327	20.310	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	202766	103.139	ug/l	100
59) 2-Hexanone	10.98	43	180863	97.770	ug/l	99
60) Dibromochloromethane	11.13	129	80138	20.242	ug/l	99
61) 1,2-Dibromoethane	11.24	107	64914	19.840	ug/l	99
64) Tetrachloroethene	10.87	164	104886	19.802	ug/l	96
65) Chlorobenzene	11.66	112	310037	19.824	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	92460	19.800	ug/l	99
67) Ethyl Benzene	11.74	91	533115	19.574	ug/l	99
68) m/p-Xylenes	11.85	106	436115	39.735	ug/l	99
69) o-Xylene	12.18	106	200777	19.662	ug/l	99
70) Styrene	12.19	104	331027	19.867	ug/l	99
71) Bromoform	12.35	173	48969	19.341	ug/l	99
73) Isopropylbenzene	12.47	105	542830	19.484	ug/l	100
74) N-amyl acetate	12.28	43	99111	18.697	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	81366	19.432	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	107445	20.978	ug/l #	100
77) Bromobenzene	12.76	156	128991	19.652	ug/l	99
78) n-propylbenzene	12.81	91	662959	19.813	ug/l	99
79) 2-Chlorotoluene	12.90	91	376291	19.610	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	469368	19.784	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	23532	18.196	ug/l	96
82) 4-Chlorotoluene	13.00	91	398631	19.764	ug/l	100
83) tert-Butylbenzene	13.21	119	409458	19.734	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	476699	19.995	ug/l	99
85) sec-Butylbenzene	13.40	105	588056	19.720	ug/l	99
86) p-Isopropyltoluene	13.51	119	528073	20.004	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	270625	19.636	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	268772	19.855	ug/l	99
89) n-Butylbenzene	13.83	91	483251	19.474	ug/l	99
90) Hexachloroethane	14.10	117	80842	19.114	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	240004	19.812	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12919	18.554	ug/l	97

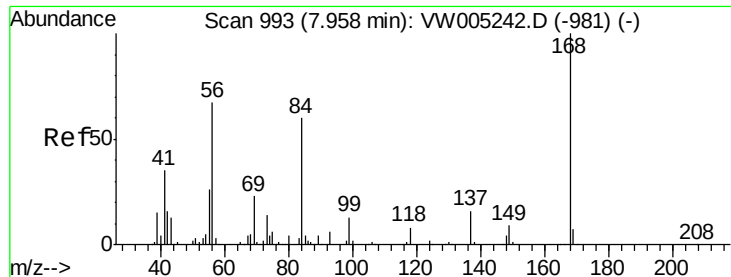
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	164011	19.140	ug/l	99
94) Hexachlorobutadiene	15.25	225	107036	19.506	ug/l	99
95) Naphthalene	15.38	128	255848	18.415	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	142295	19.298	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005241.D

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Instrument :

MSVOA_W

ClientSampleId :

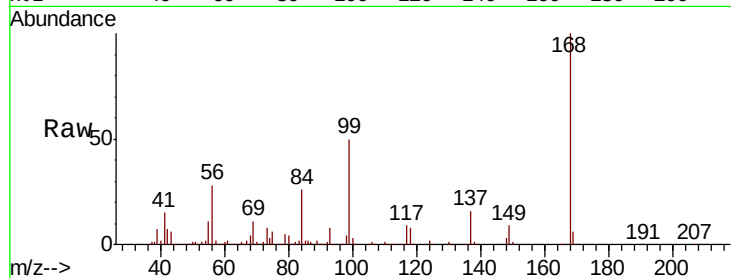
VSTDIC020

Tgt Ion:168 Resp: 500022

Ion Ratio Lower Upper

168 100

99 49.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

150000

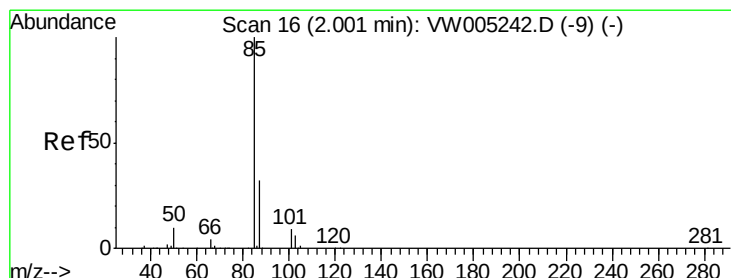
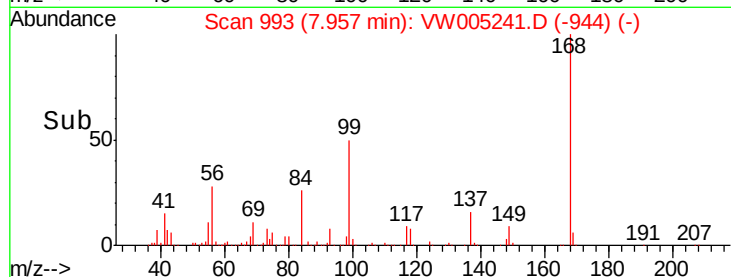
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.488 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW005241.D

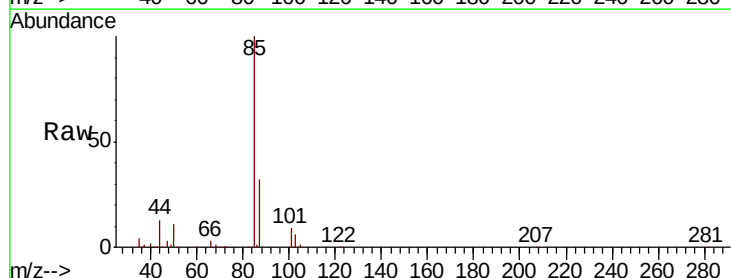
Acq: 10 Sep 2018 14:58

Tgt Ion: 85 Resp: 92683

Ion Ratio Lower Upper

85 100

87 32.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

60000

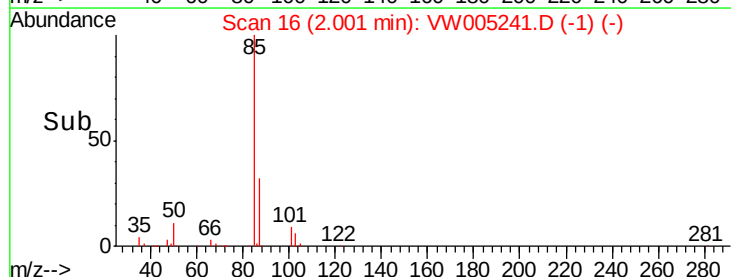
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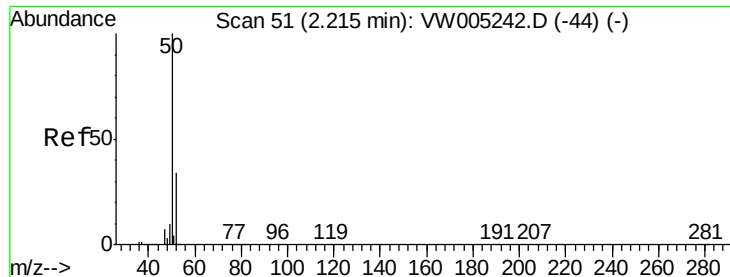
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 20.211 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

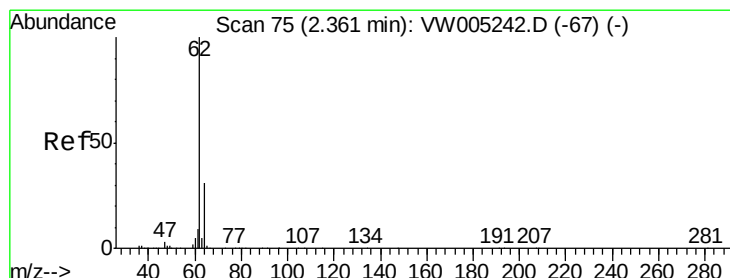
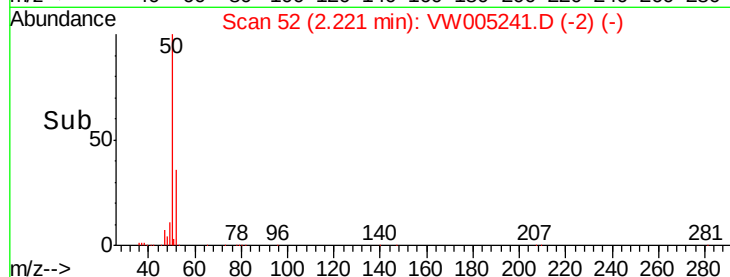
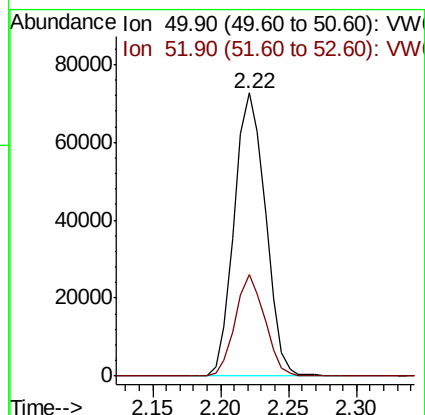
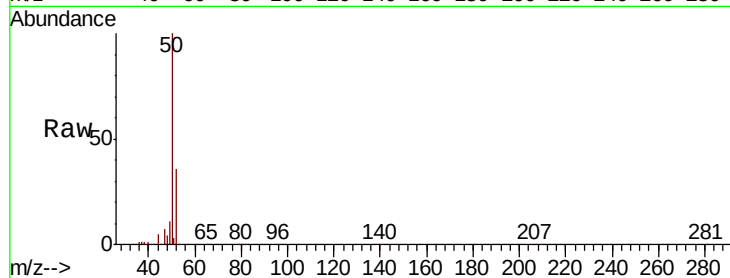
VSTDIC020

Tgt Ion: 50 Resp: 116550

Ion Ratio Lower Upper

50 100

52 35.7 27.0 40.4



#4

Vinyl Chloride

Concen: 20.018 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW005241.D

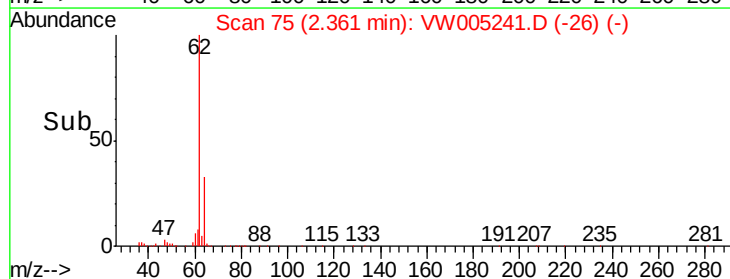
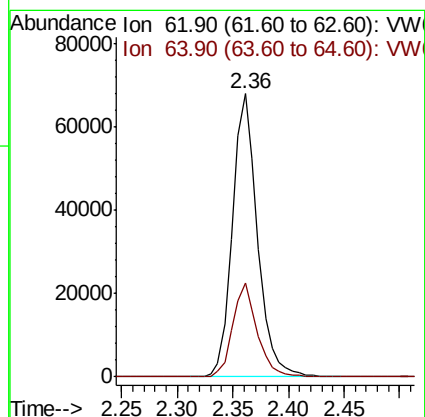
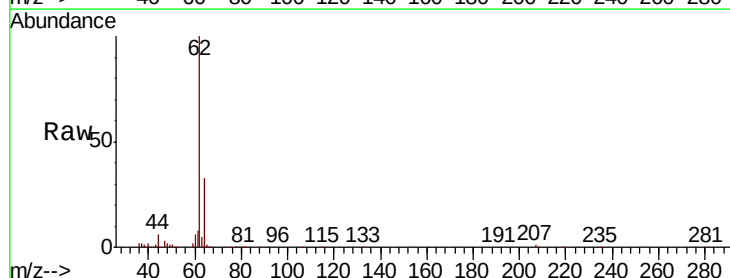
Acq: 10 Sep 2018 14:58

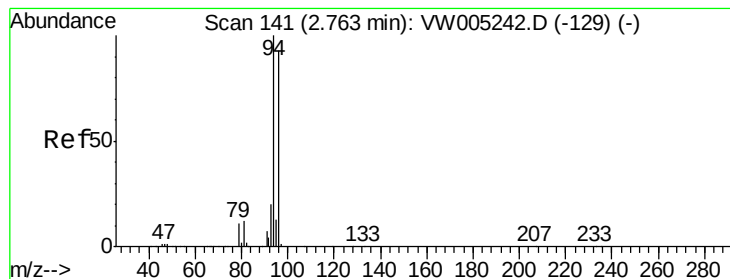
Tgt Ion: 62 Resp: 105976

Ion Ratio Lower Upper

62 100

64 33.3 24.6 37.0





#5

Bromomethane

Concen: 19.695 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

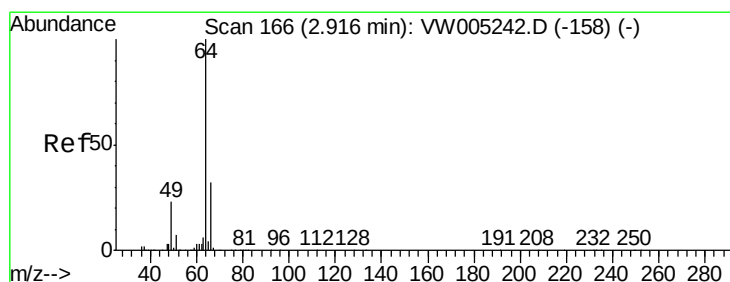
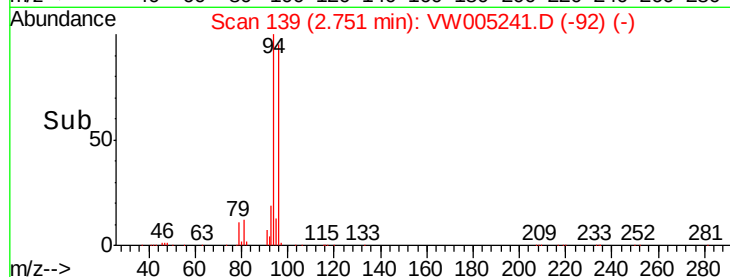
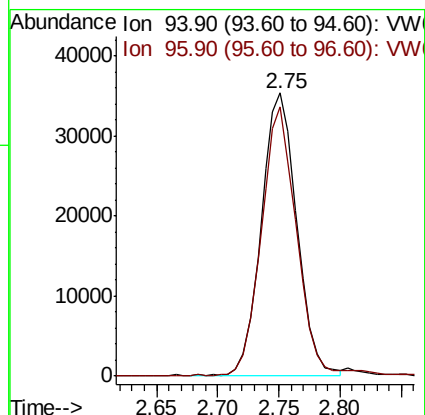
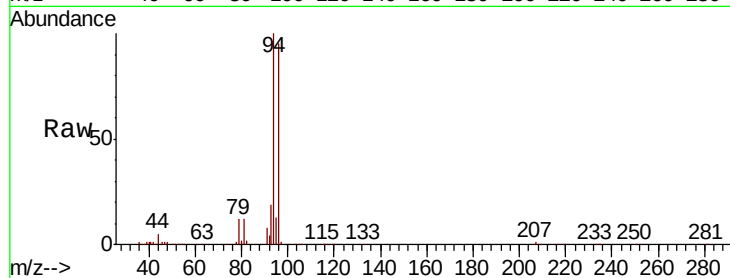
VSTDIC020

Tgt Ion: 94 Resp: 70940

Ion Ratio Lower Upper

94 100

96 95.0 74.1 111.1



#6

Chloroethane

Concen: 19.326 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW005241.D

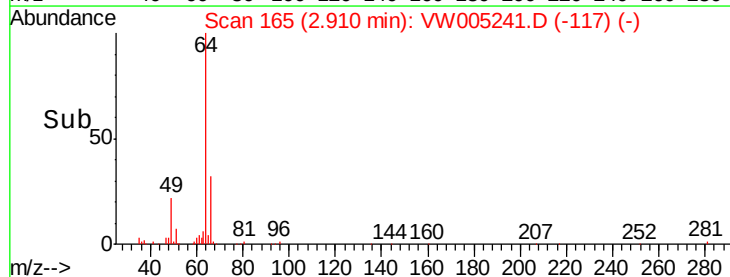
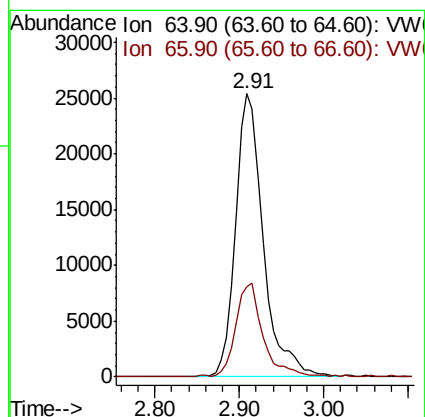
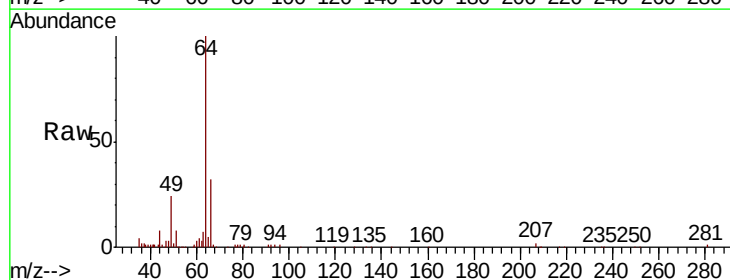
Acq: 10 Sep 2018 14:58

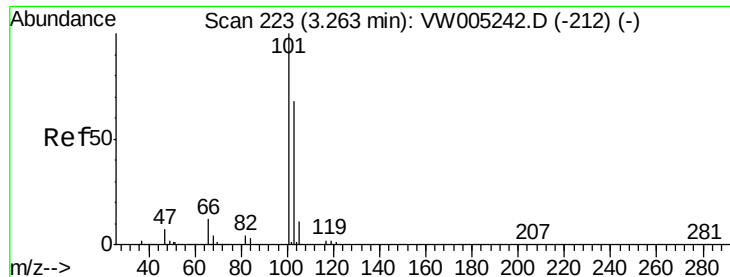
Tgt Ion: 64 Resp: 56357

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9



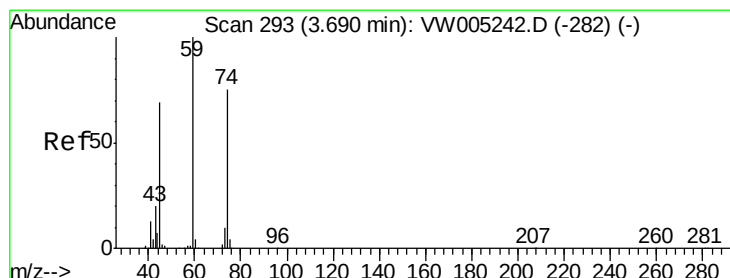
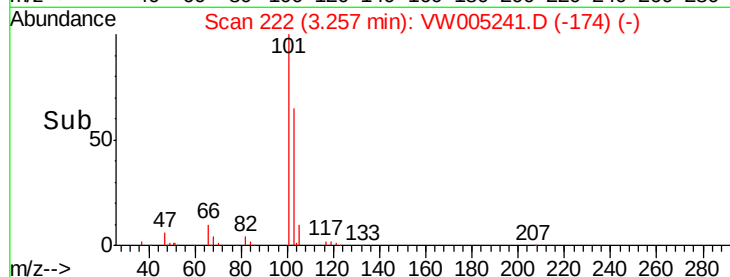
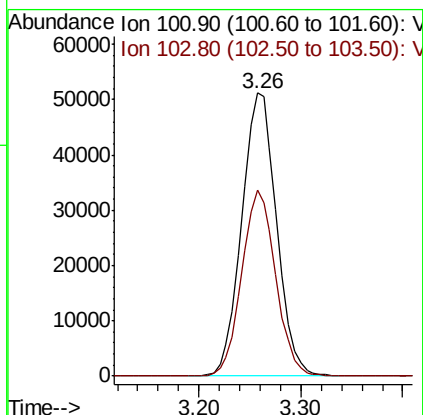
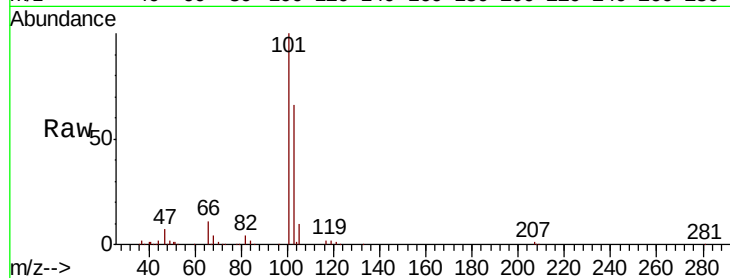


#7

Trichlorofluoromethane
 Concen: 20.239 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
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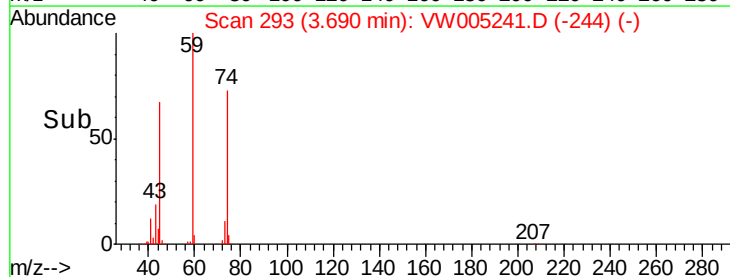
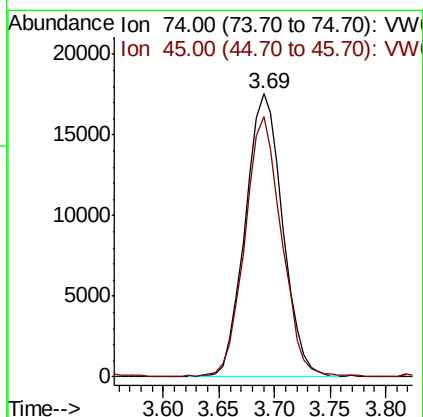
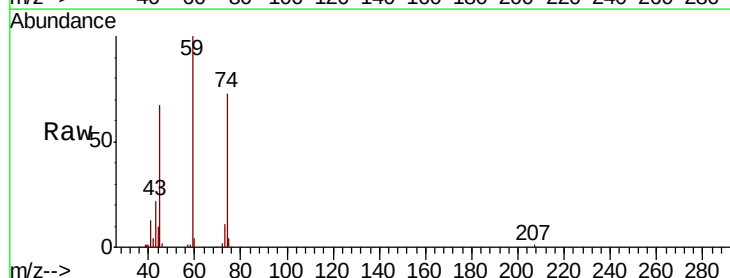
Tgt Ion: 101 Resp: 121204
 Ion Ratio Lower Upper
 101 100
 103 65.6 54.1 81.1

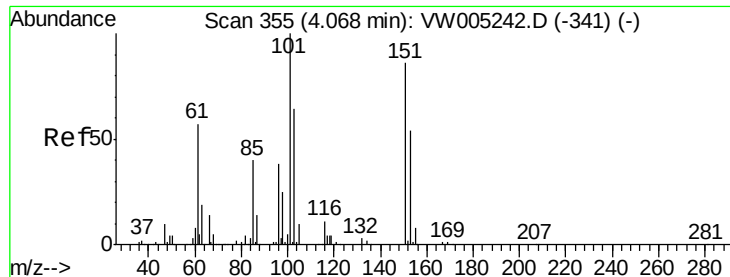


#8

Diethyl Ether
 Concen: 19.226 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion: 74 Resp: 41035
 Ion Ratio Lower Upper
 74 100
 45 90.5 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.958 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

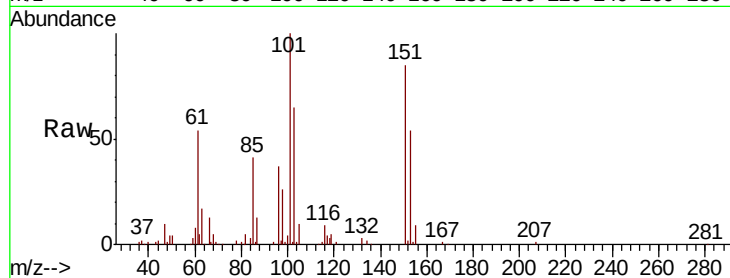
Tgt Ion:101 Resp: 85375

Ion Ratio Lower Upper

101 100

85 41.1 32.7 49.1

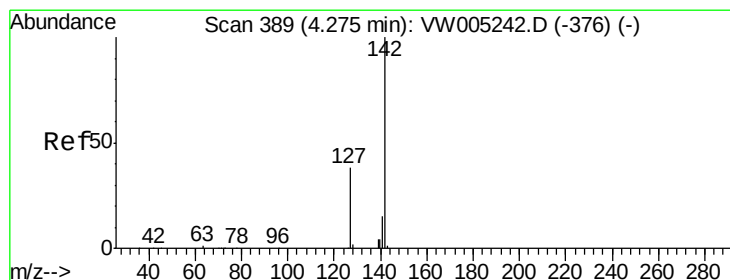
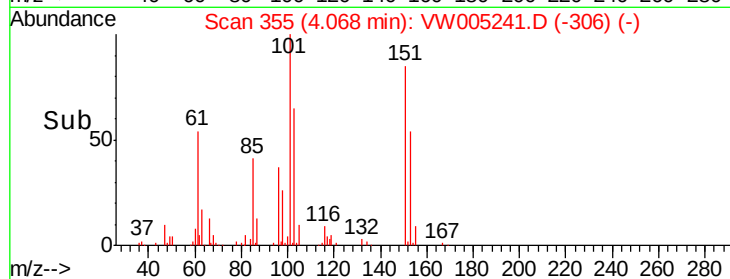
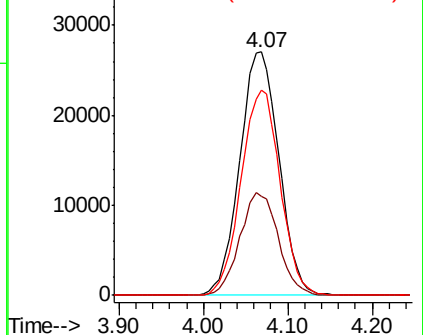
151 83.9 67.6 101.4



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: 18.630 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW005241.D

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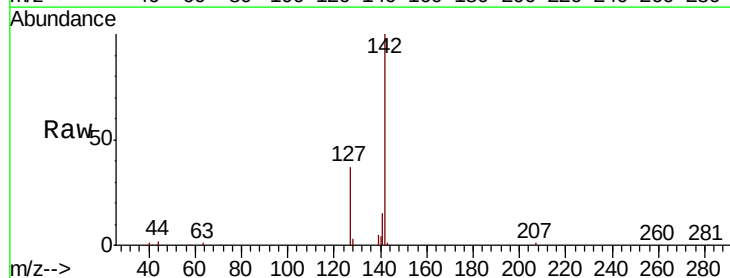
Tgt Ion:142 Resp: 87756

Ion Ratio Lower Upper

142 100

127 38.1 30.3 45.5

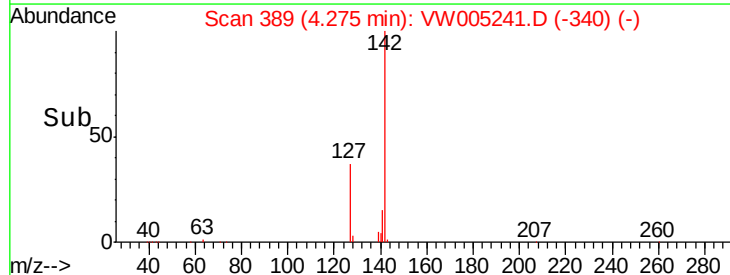
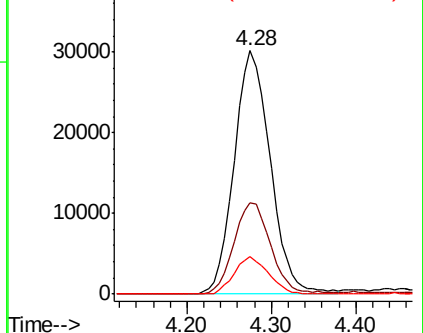
141 14.6 11.4 17.0

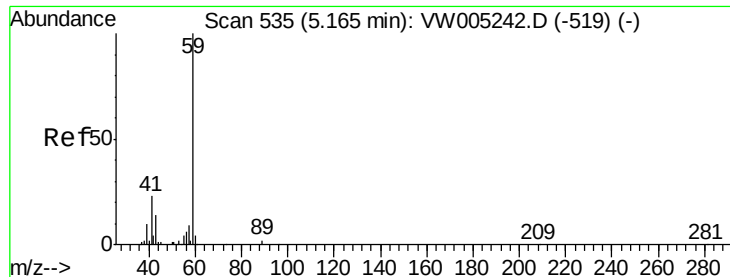


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 95.581 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

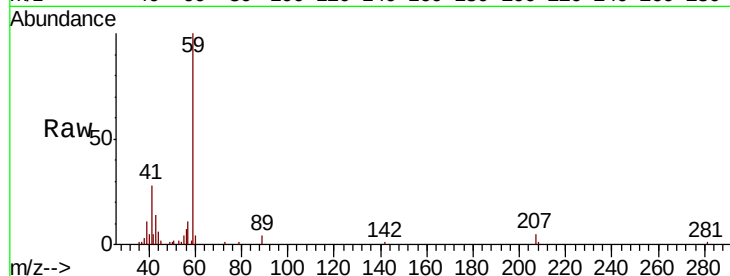
VSTDIC020

Tgt Ion: 59 Resp: 29233

Ion Ratio Lower Upper

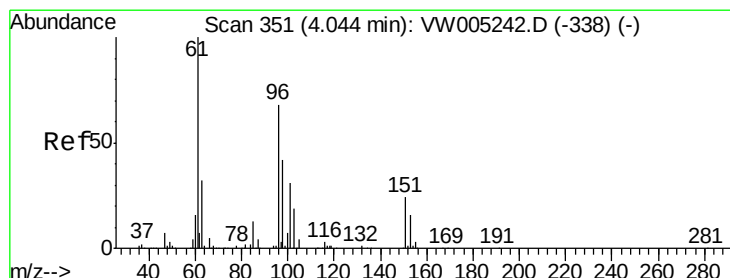
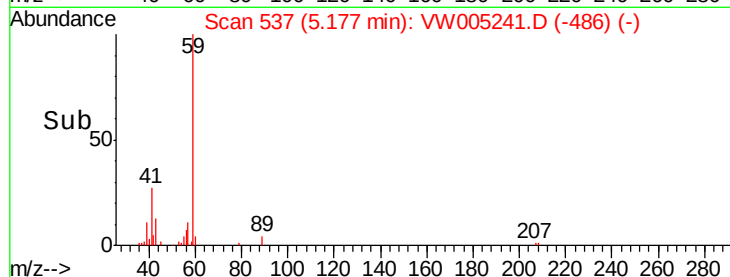
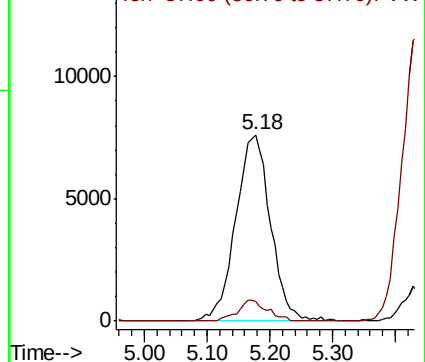
59 100

57 9.6 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 19.903 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

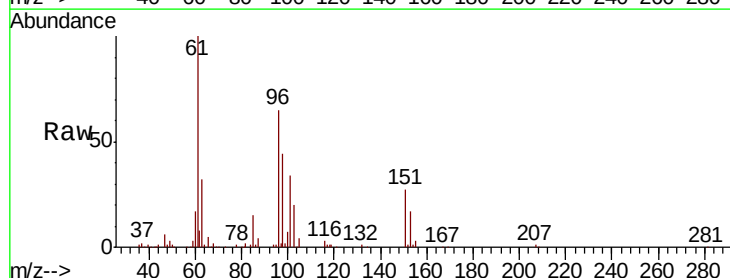
Tgt Ion: 96 Resp: 78394

Ion Ratio Lower Upper

96 100

61 154.3 118.2 177.2

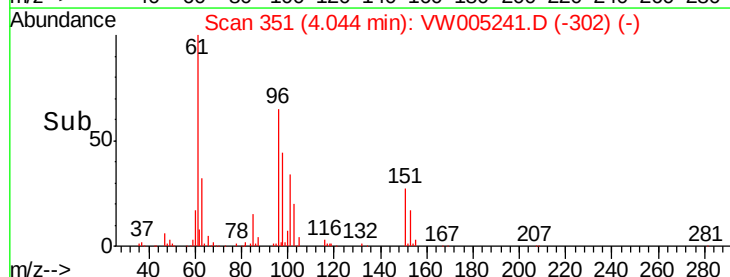
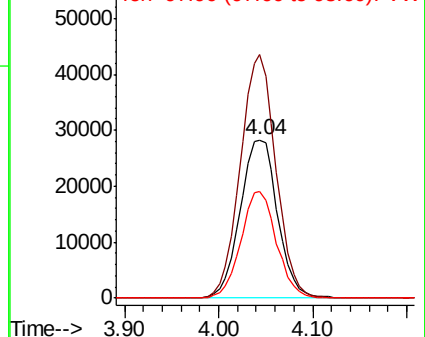
98 67.8 49.9 74.9

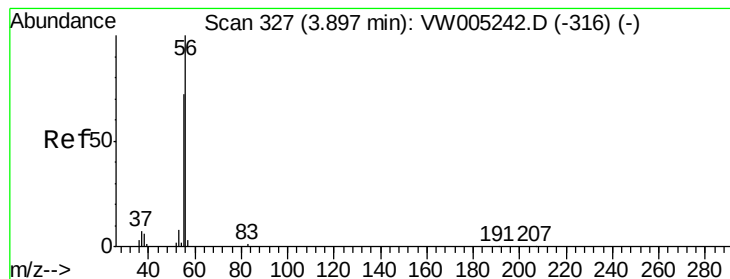


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 101.694 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

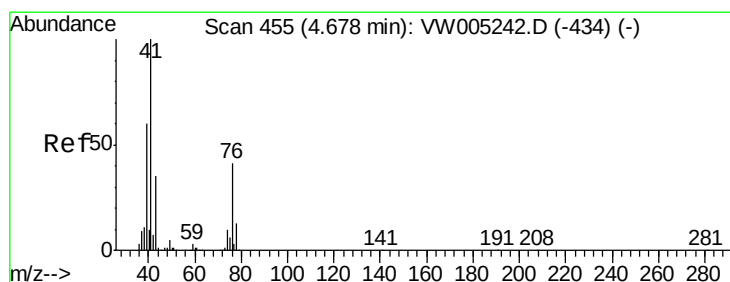
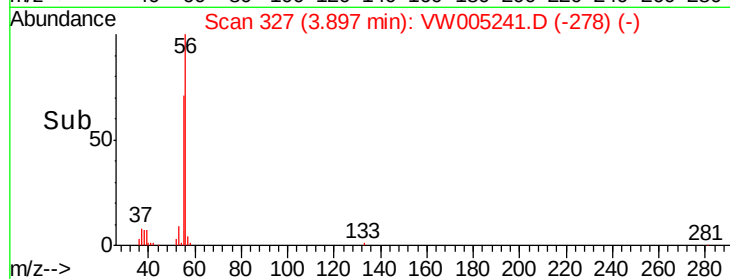
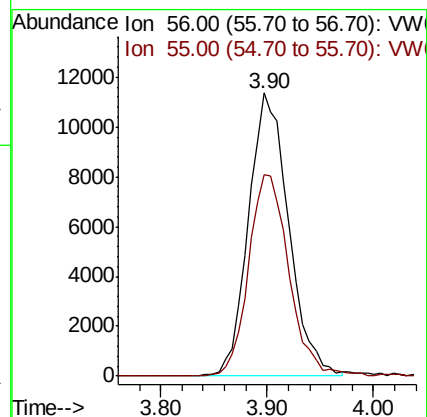
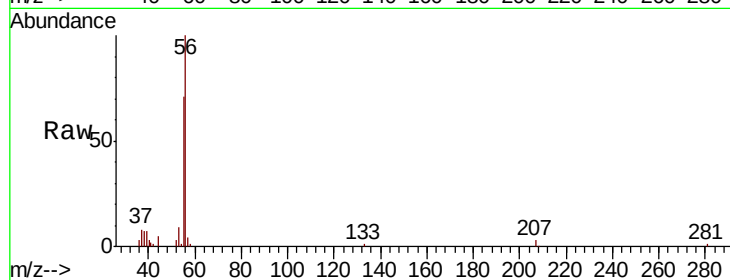
VSTDIC020

Tgt Ion: 56 Resp: 30044

Ion Ratio Lower Upper

56 100

55 71.5 56.8 85.2



#14

Allyl chloride

Concen: 19.119 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

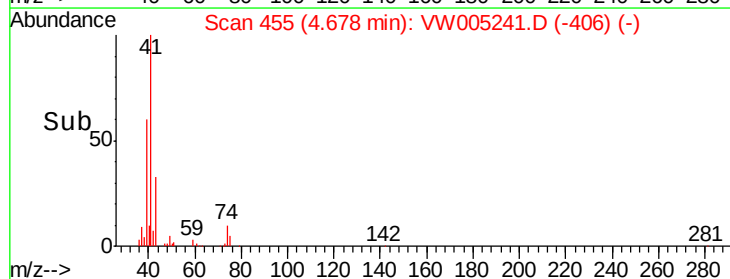
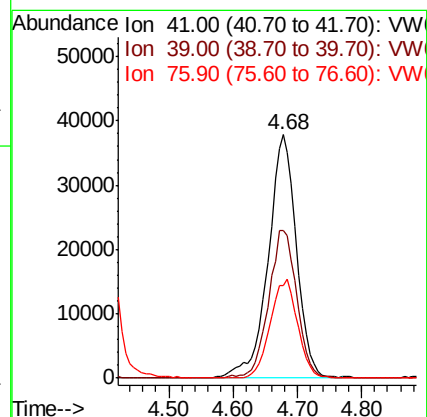
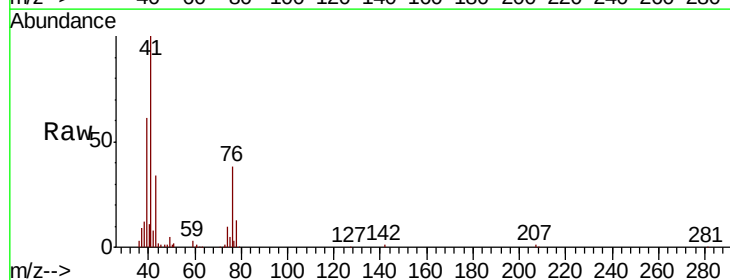
Tgt Ion: 41 Resp: 115706

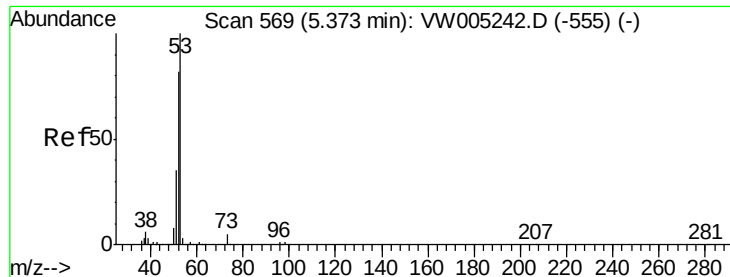
Ion Ratio Lower Upper

41 100

39 60.9 48.2 72.4

76 39.3 31.7 47.5





#15

Acrylonitrile

Concen: 95.577 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

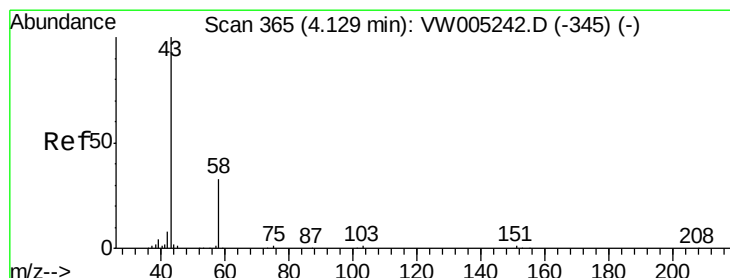
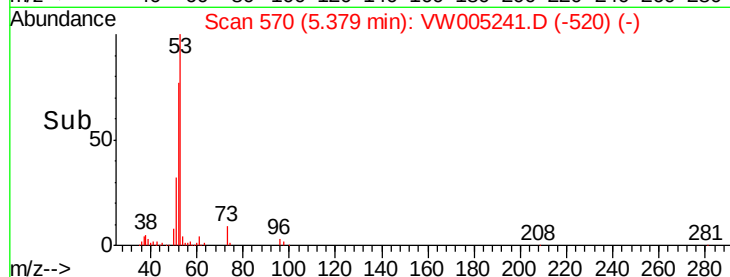
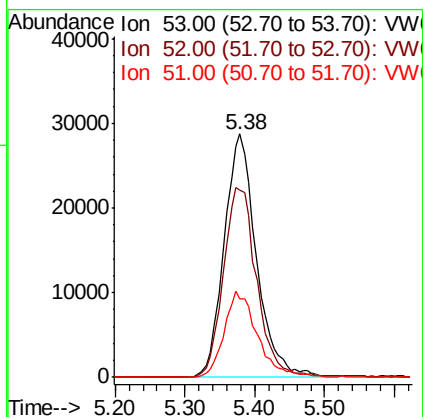
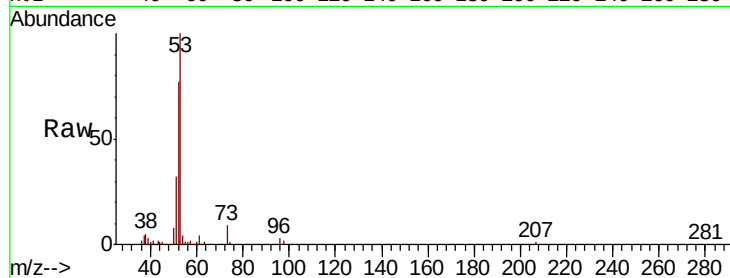
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	92032
Ion	Ratio	Lower	Upper
53	100		
52	80.6	66.0	99.0
51	36.2	28.6	43.0



#16

Acetone

Concen: 89.332 ug/l

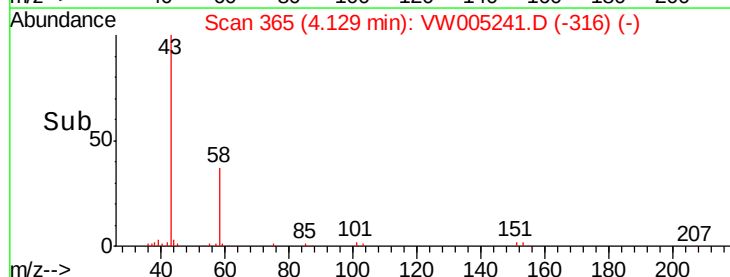
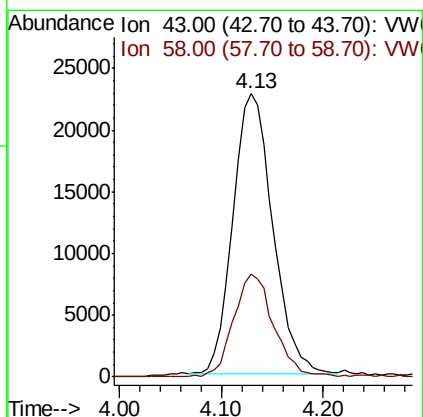
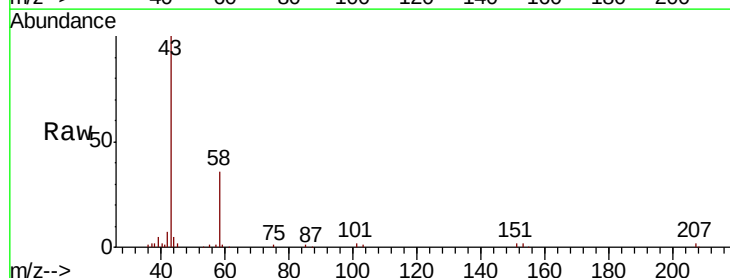
RT: 4.13 min Scan# 365

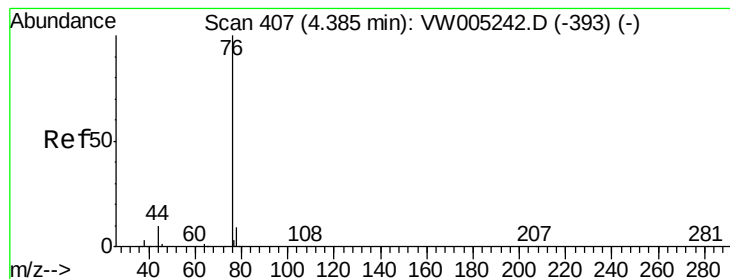
Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Tgt Ion:	43	Resp:	61840
Ion	Ratio	Lower	Upper
43	100		
58	36.5	26.7	40.1





#17

Carbon Disulfide

Concen: 19.475 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampled :

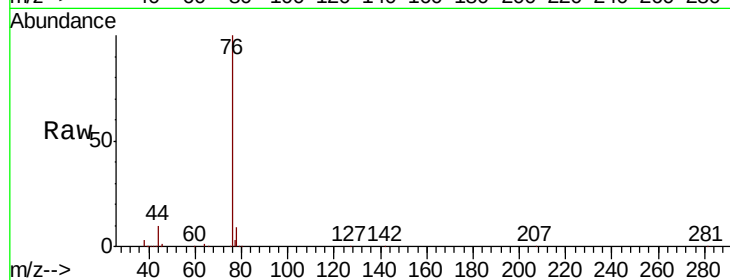
VSTDIC020

Tgt Ion: 76 Resp: 269244

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

100000

80000

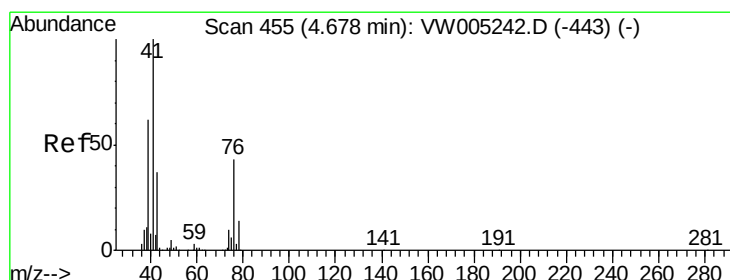
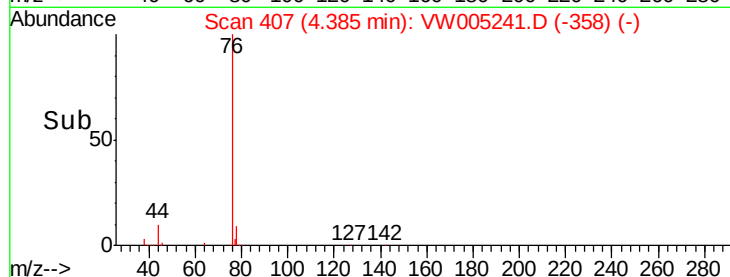
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.025 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW005241.D

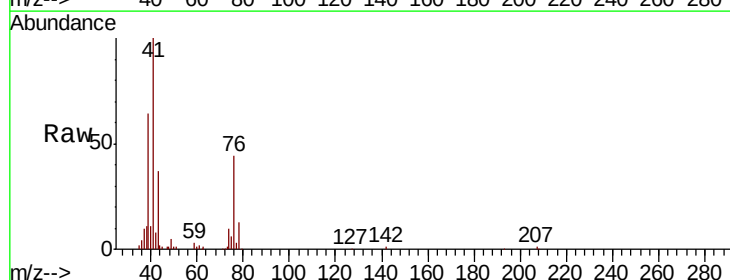
Acq: 10 Sep 2018 14:58

Tgt Ion: 43 Resp: 39314

Ion Ratio Lower Upper

43 100

74 26.5 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

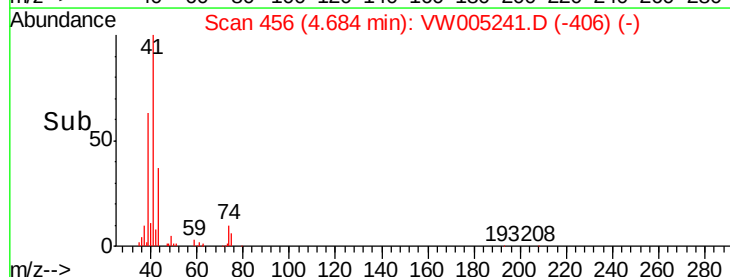
15000

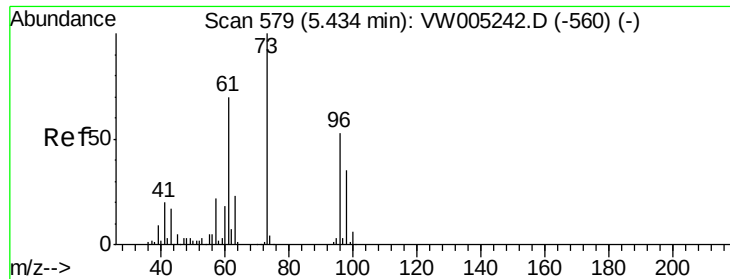
10000

5000

0

Time-->

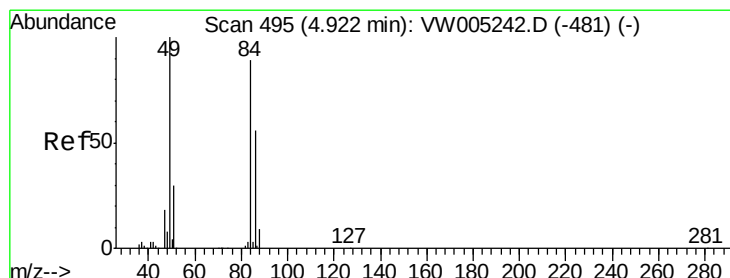
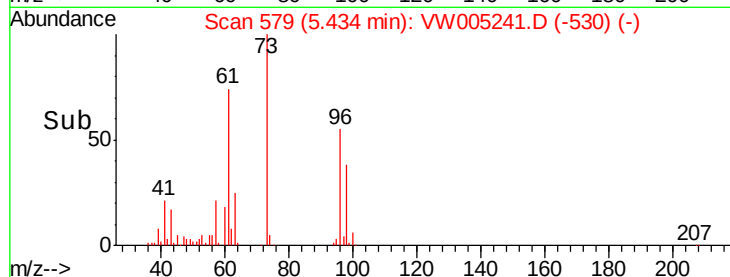
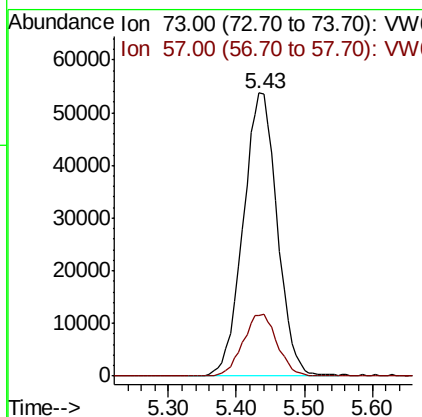
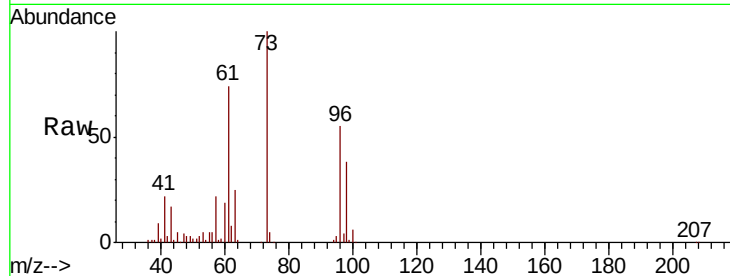




#19
Methyl tert-butyl Ether
Concen: 19.933 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

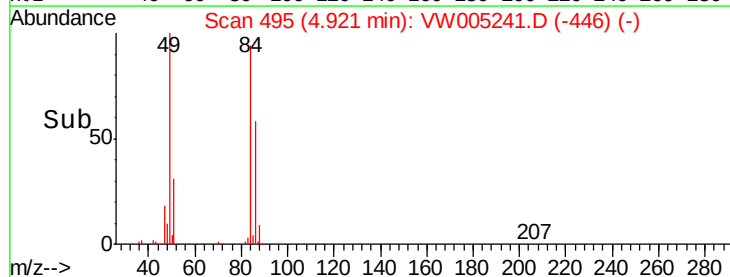
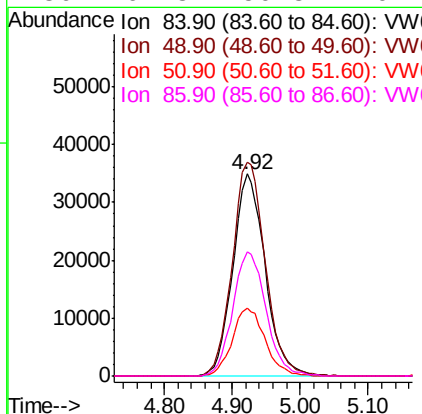
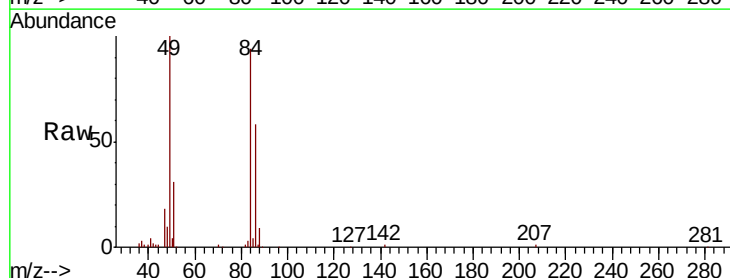
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

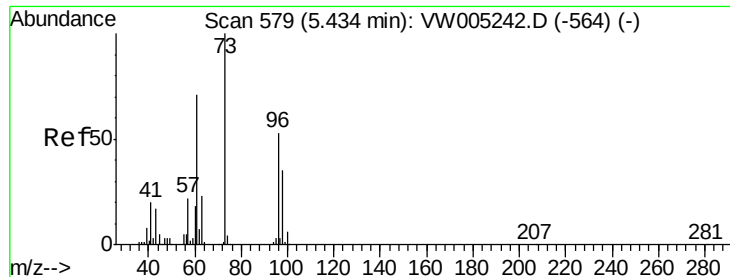
Tgt Ion: 73 Resp: 186993
Ion Ratio Lower Upper
73 100
57 21.5 17.4 26.2



#20
Methylene Chloride
Concen: 19.634 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 84 Resp: 115199
Ion Ratio Lower Upper
84 100
49 105.9 90.3 135.5
51 33.3 26.9 40.3
86 61.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.648 ug/l

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

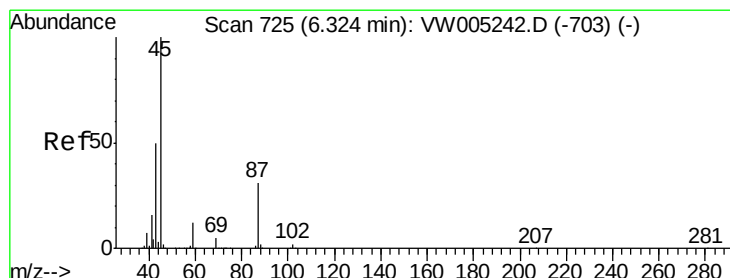
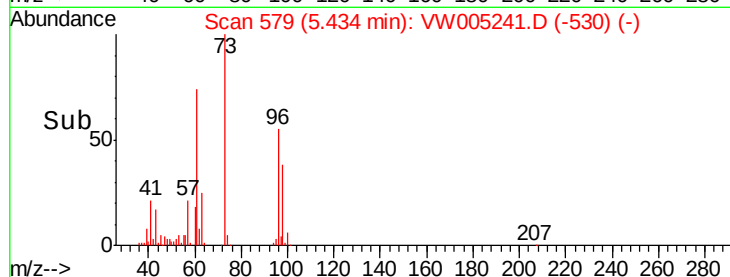
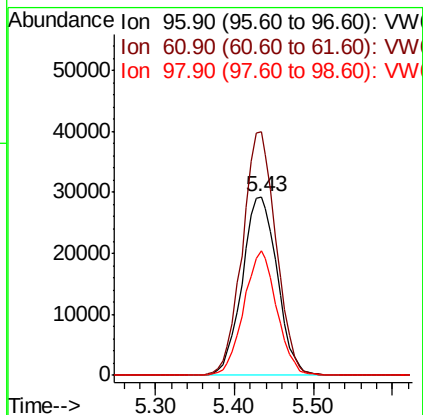
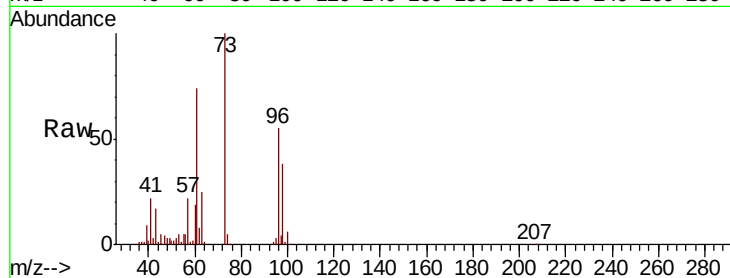
Tgt Ion: 96 Resp: 90355

Ion Ratio Lower Upper

96 100

61 136.3 105.7 158.5

98 70.0 52.8 79.2



#22

Diisopropyl ether

Concen: 19.920 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Tgt Ion: 45 Resp: 242709

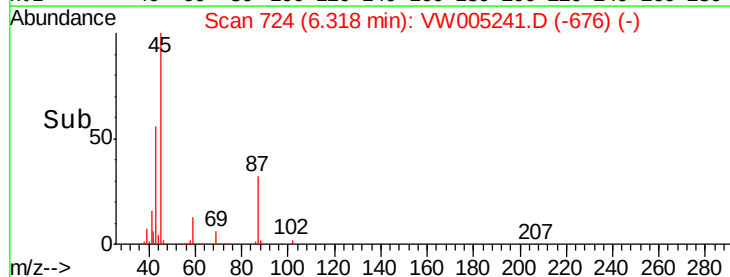
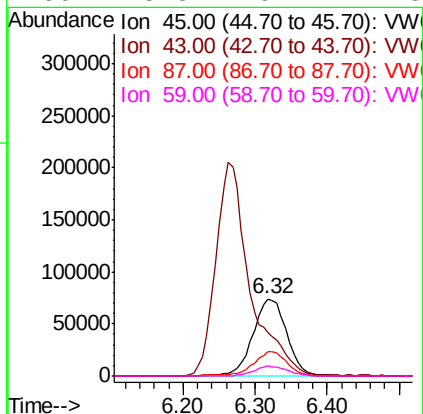
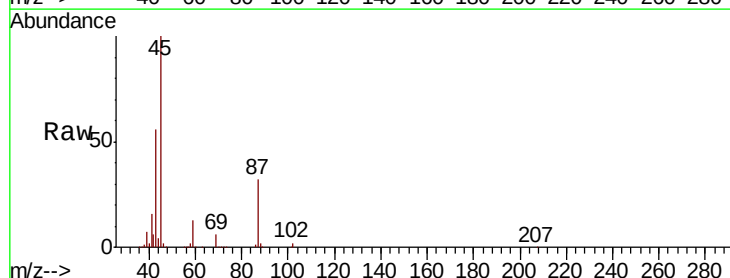
Ion Ratio Lower Upper

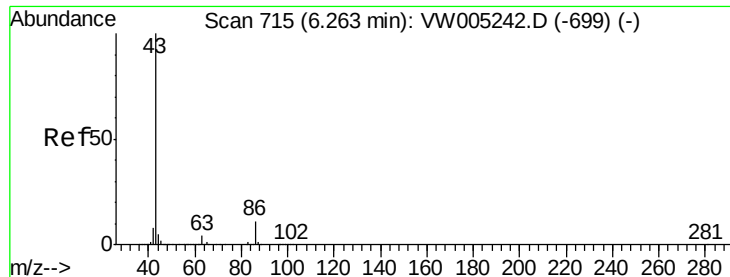
45 100

43 55.2 39.6 59.4

87 31.4 24.7 37.1

59 13.3 9.7 14.5





#23

Vinyl Acetate

Concen: 99.999 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

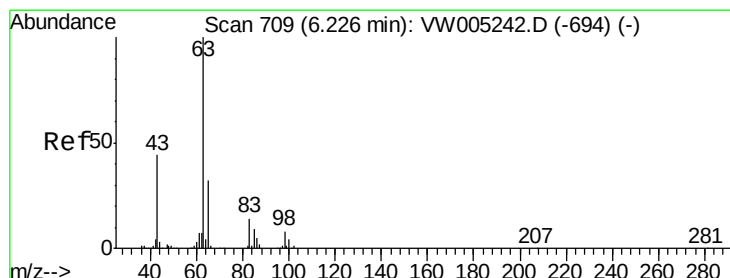
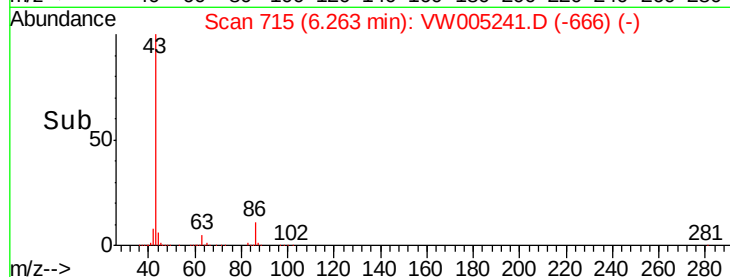
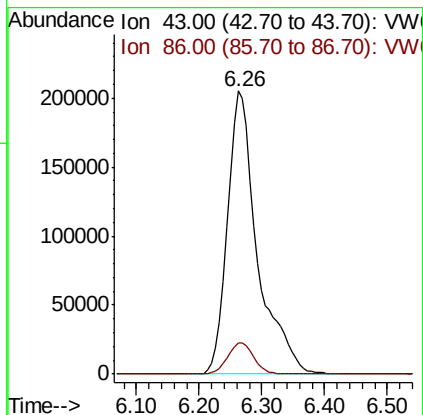
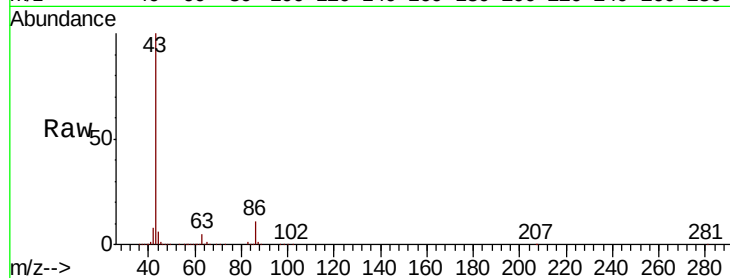
VSTDIC020

Tgt Ion: 43 Resp: 678997

Ion Ratio Lower Upper

43 100

86 11.1 8.9 13.3



#24

1,1-Dichloroethane

Concen: 19.983 ug/l

RT: 6.23 min Scan# 709

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

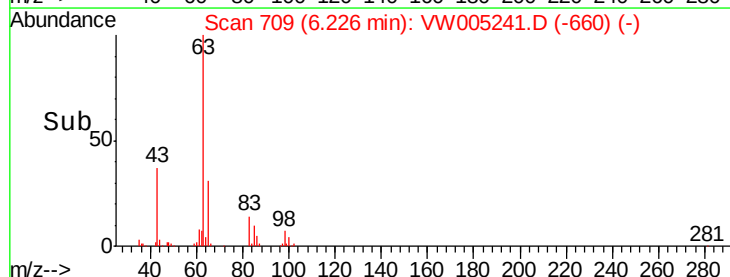
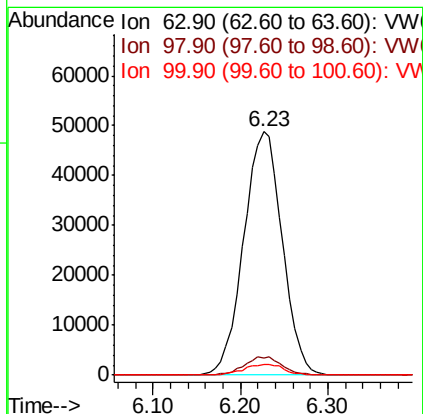
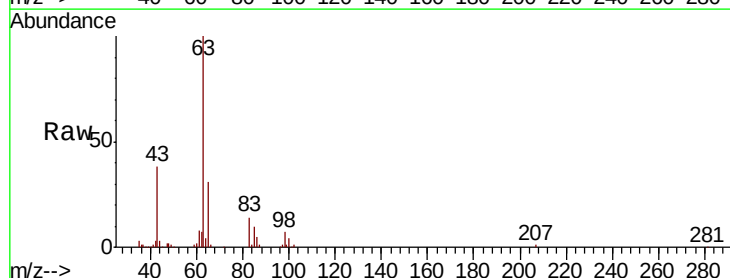
Tgt Ion: 63 Resp: 149871

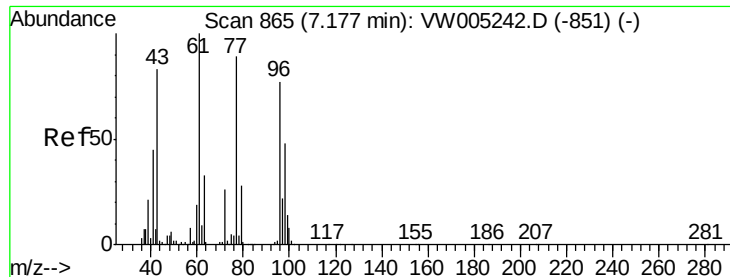
Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.4

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 96.598 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

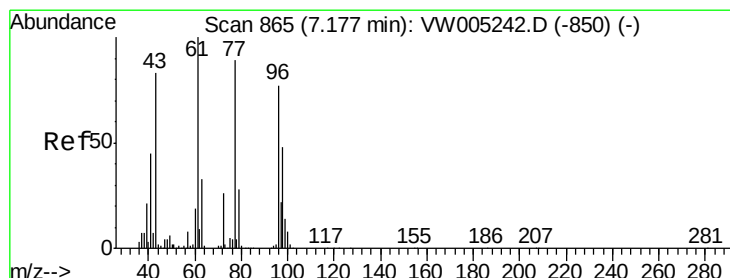
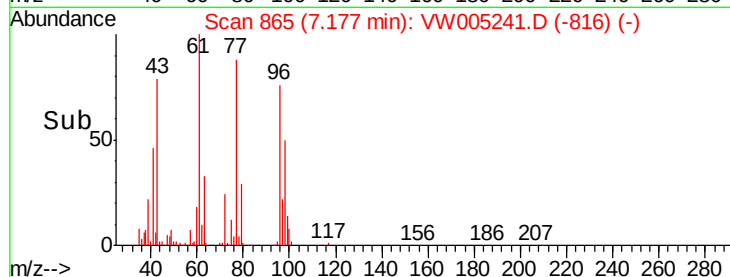
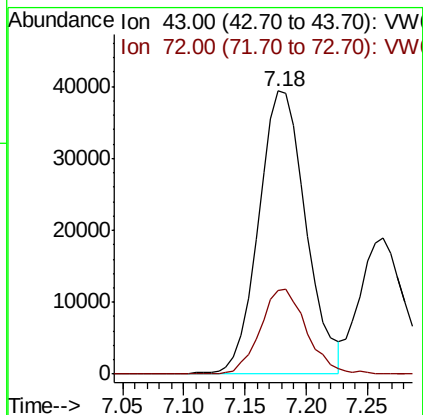
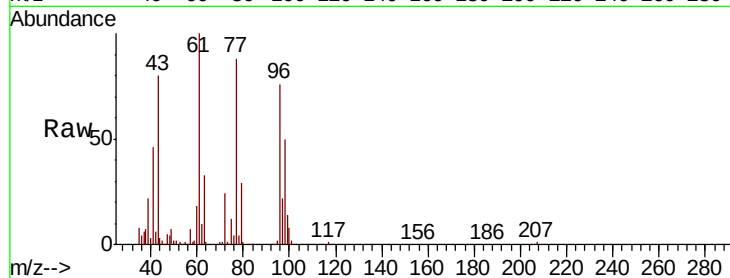
VSTDIC020

Tgt Ion: 43 Resp: 105478

Ion Ratio Lower Upper

43 100

72 29.8 25.0 37.6



#26

2,2-Dichloropropane

Concen: 20.032 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW005241.D

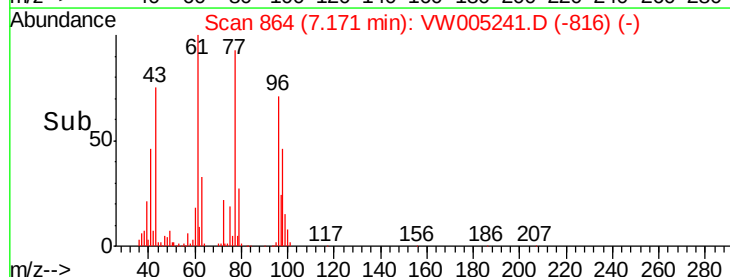
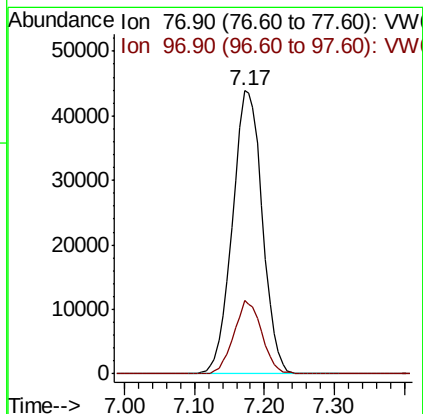
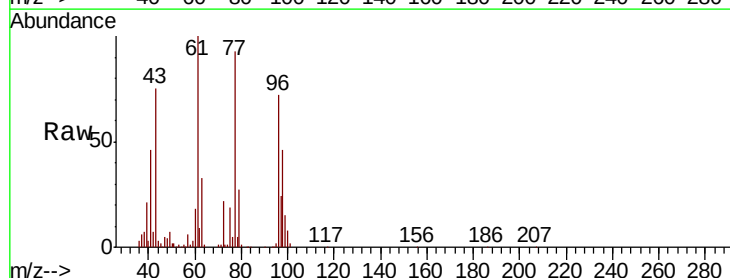
Acq: 10 Sep 2018 14:58

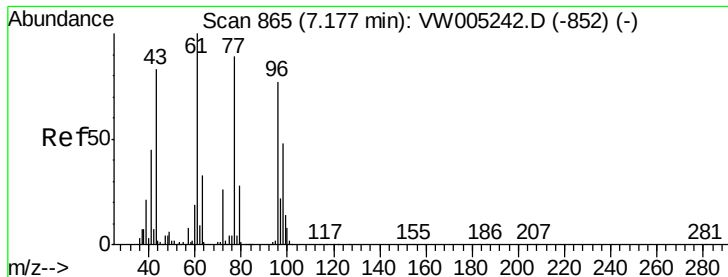
Tgt Ion: 77 Resp: 130259

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6



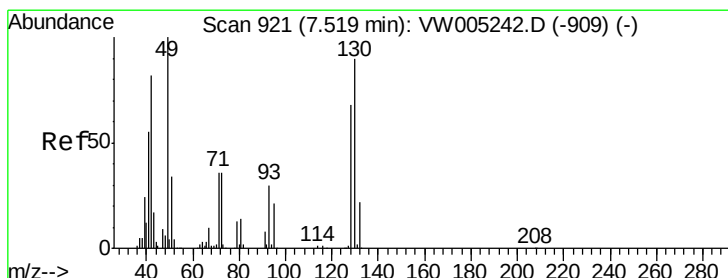
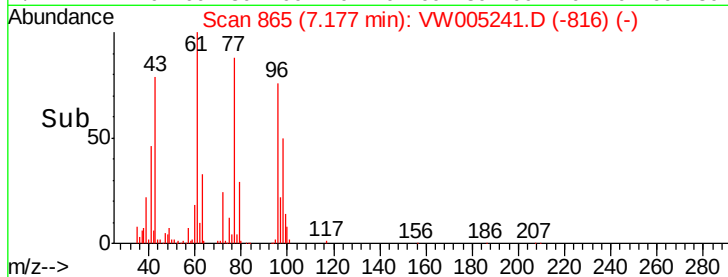
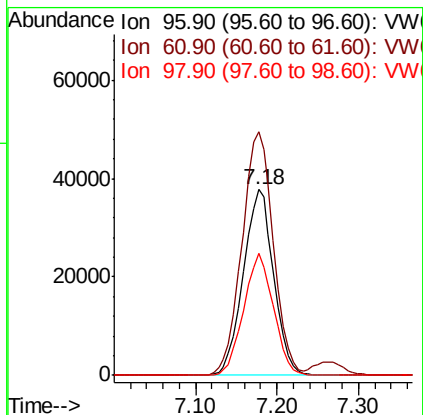
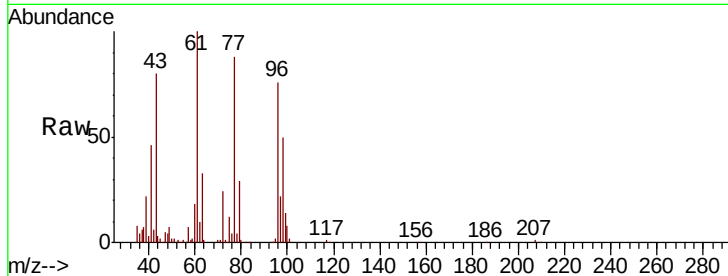


#27

cis-1,2-Dichloroethene
 Concen: 19.822 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

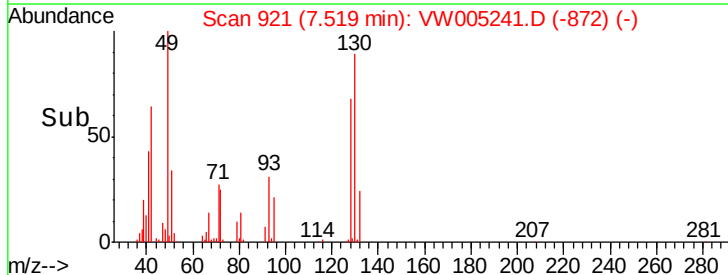
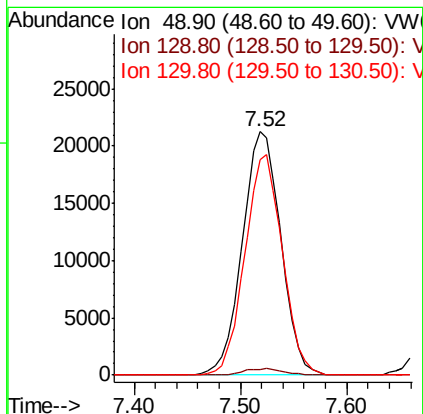
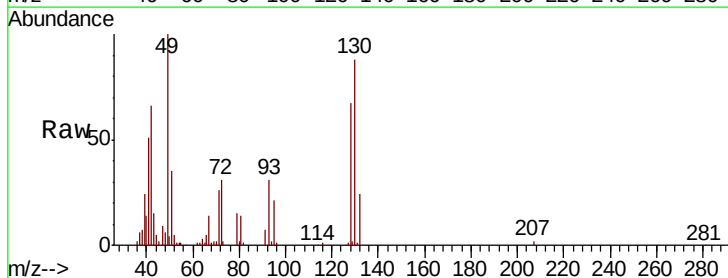
Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.7	0.0	273.4
98	64.5	0.0	127.8

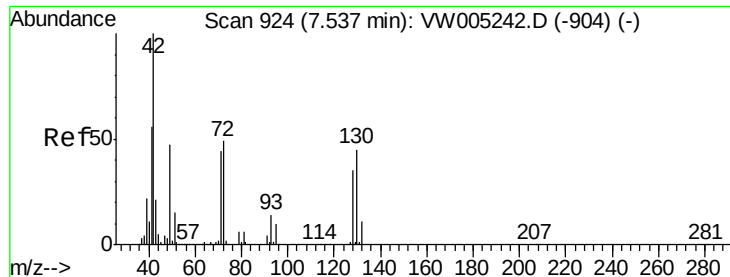


#28

Bromochloromethane
 Concen: 19.530 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	2.0#
130	88.2	71.2	106.8





#29

Tetrahydrofuran

Concen: 97.434 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

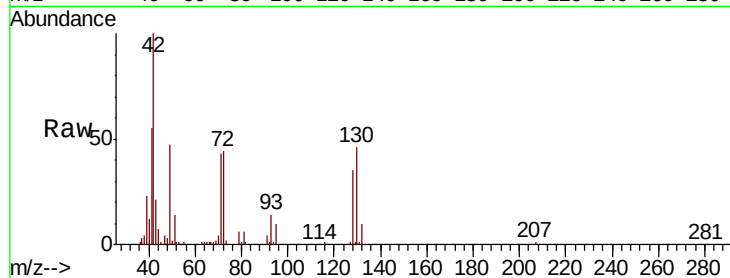
Tgt Ion: 42 Resp: 71696

Ion Ratio Lower Upper

42 100

72 45.8 37.5 56.3

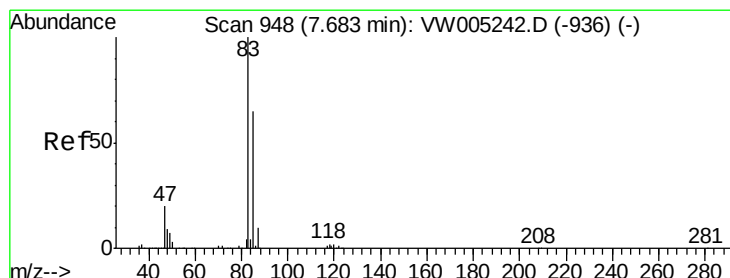
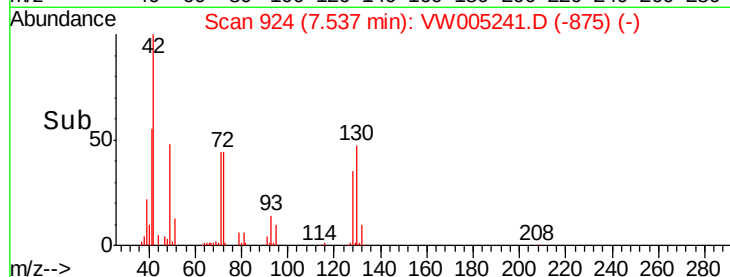
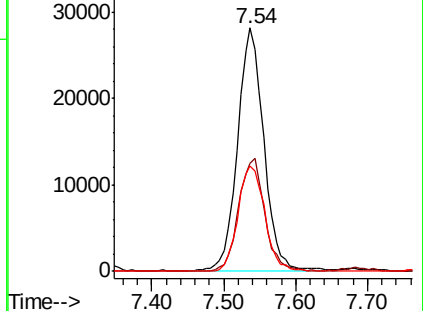
71 43.8 34.8 52.2



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: 20.063 ug/l

RT: 7.68 min Scan# 948

Delta R.T. -0.00 min

Lab File: VW005241.D

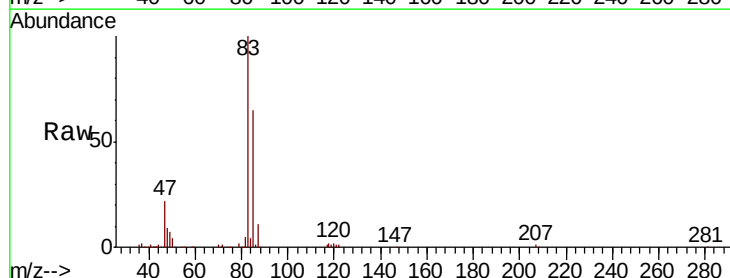
Acq: 10 Sep 2018 14:58

Tgt Ion: 83 Resp: 151006

Ion Ratio Lower Upper

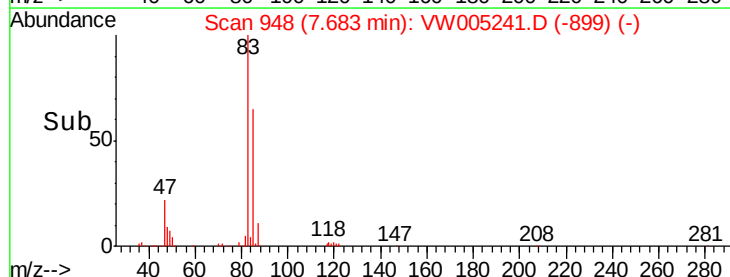
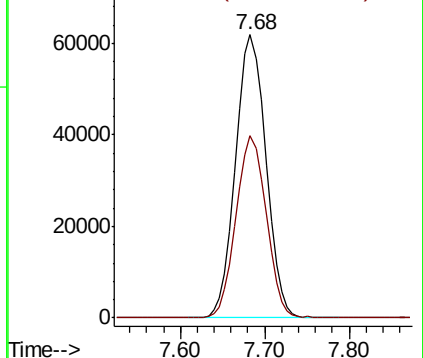
83 100

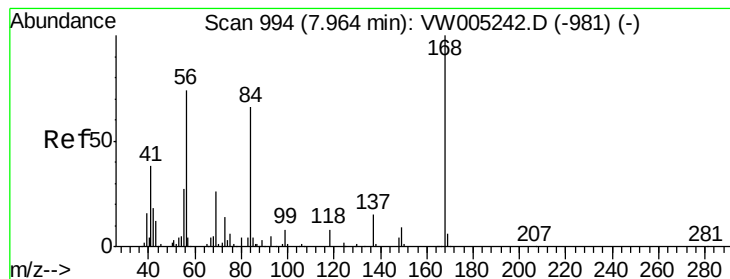
85 64.6 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 20.038 ug/l

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

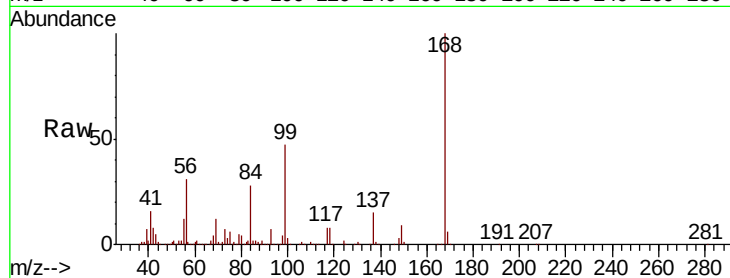
Tgt Ion: 56 Resp: 159913

Ion Ratio Lower Upper

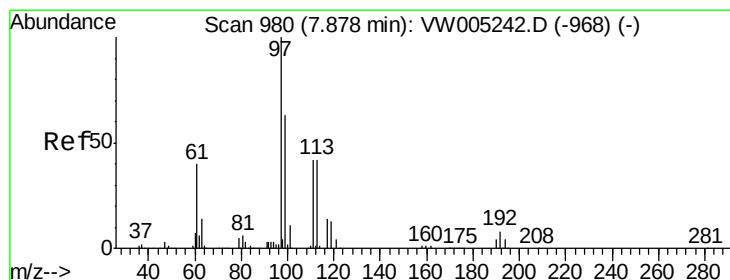
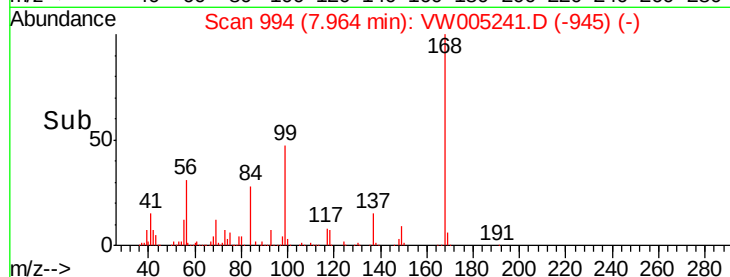
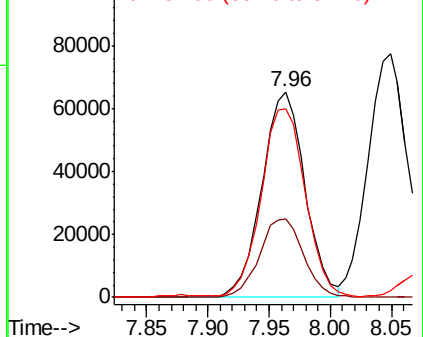
56 100

69 38.3 27.8 41.8

84 90.7 72.1 108.1



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: 19.928 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

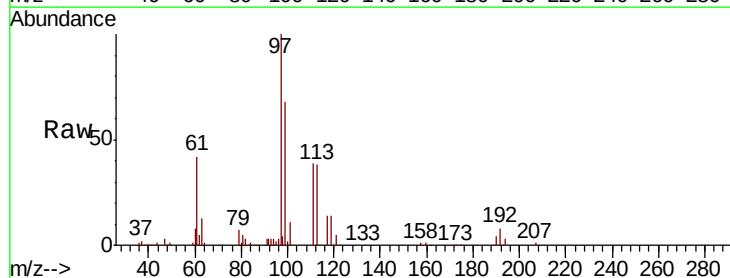
Tgt Ion: 97 Resp: 135505

Ion Ratio Lower Upper

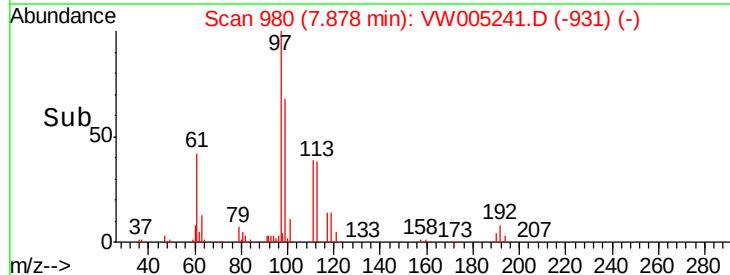
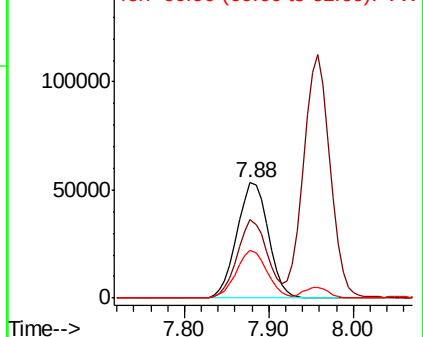
97 100

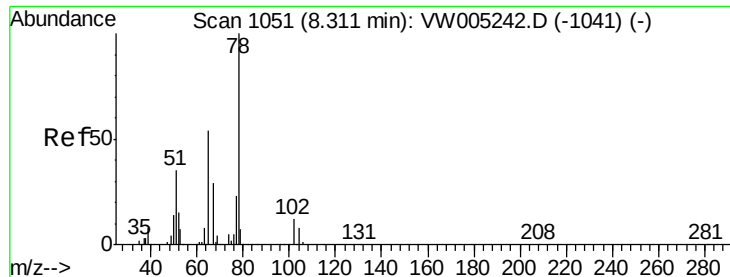
99 64.7 51.5 77.3

61 40.6 32.5 48.7



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

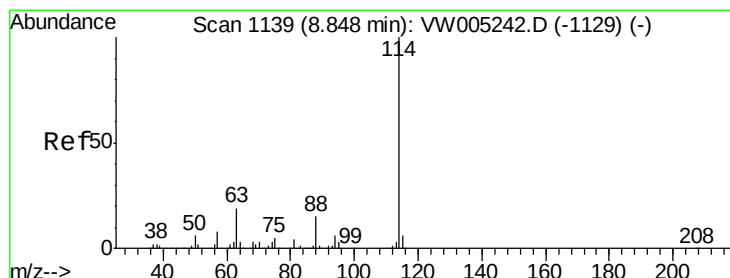
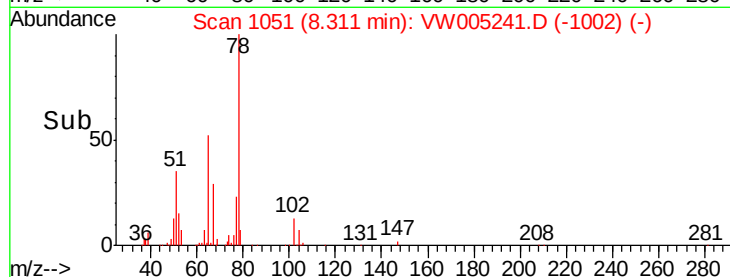
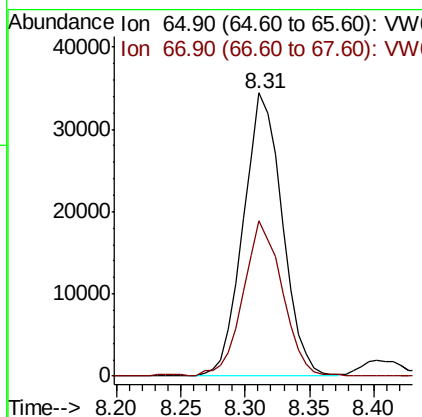
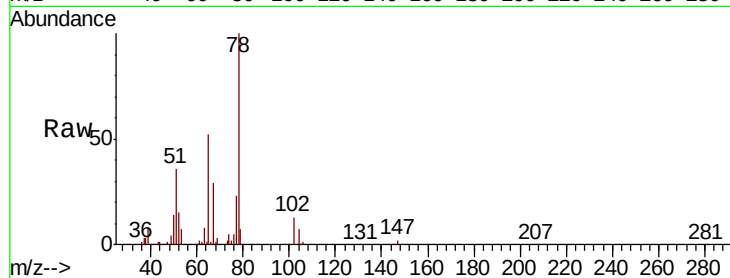




#33
 1,2-Dichloroethane-d4
 Concen: 19.374 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

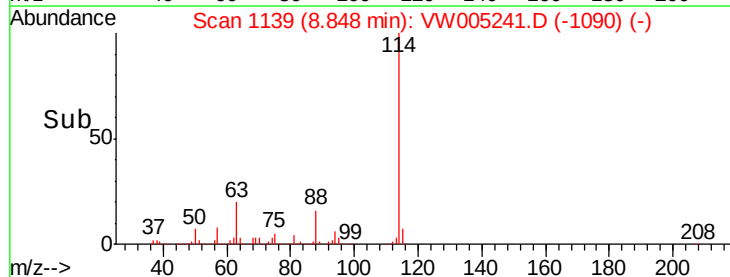
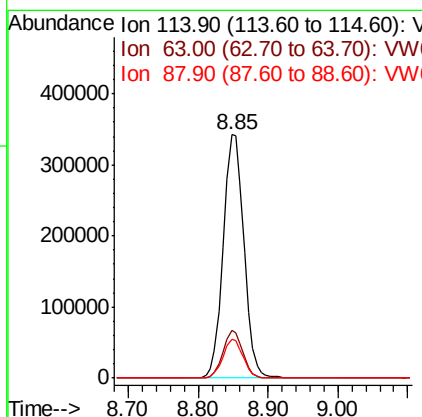
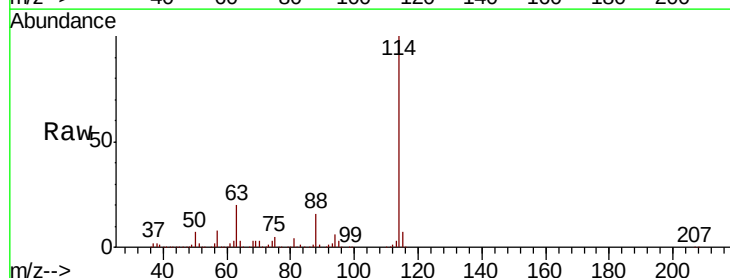
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

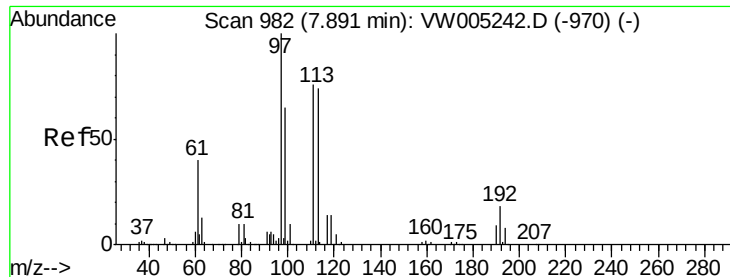
Tgt Ion: 65 Resp: 72256
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion: 114 Resp: 704625
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.0
 88 15.9 0.0 30.4

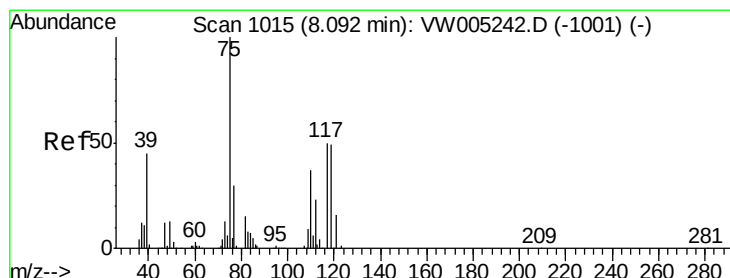
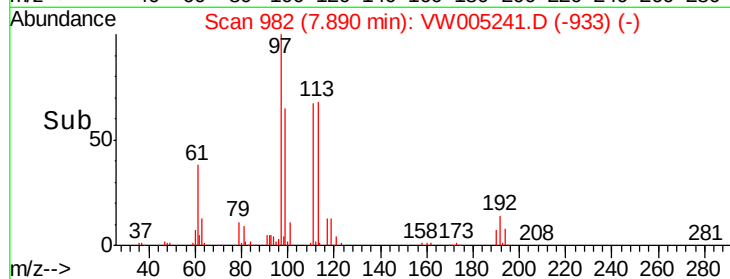
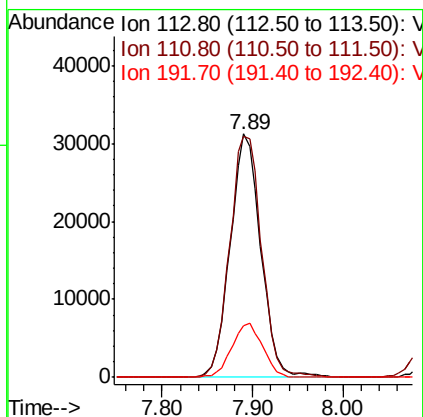
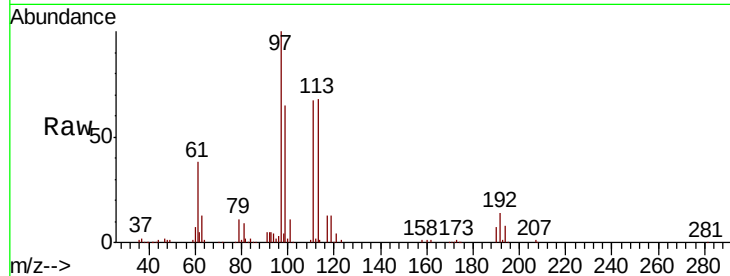




#35
 Dibromofluoromethane
 Concen: 19.753 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

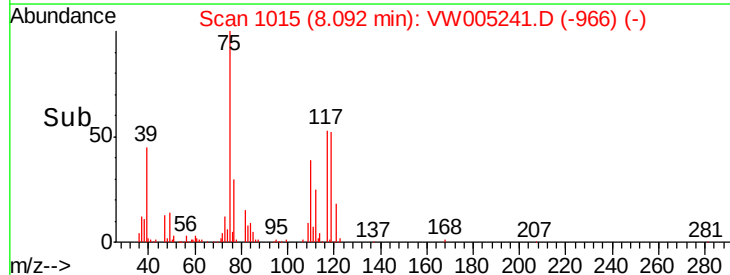
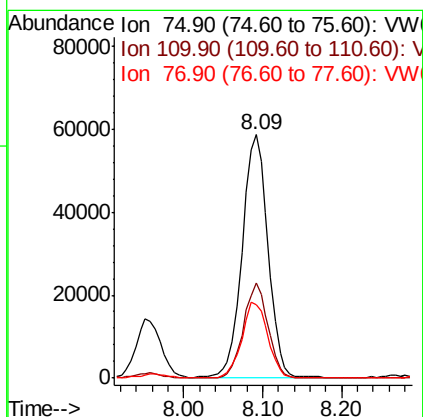
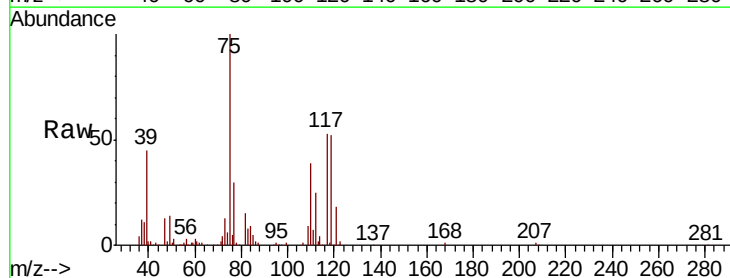
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

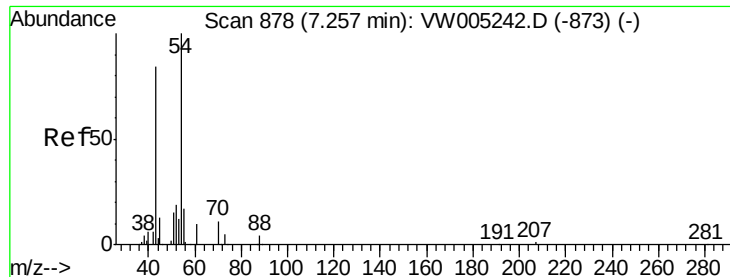
Tgt Ion: 113 Resp: 72910
 Ion Ratio Lower Upper
 113 100
 111 103.4 80.6 121.0
 192 22.3 18.3 27.5



#36
 1,1-Dichloropropene
 Concen: 20.712 ug/l
 RT: 8.09 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion: 75 Resp: 133708
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.8 56.4
 77 31.5 24.9 37.3

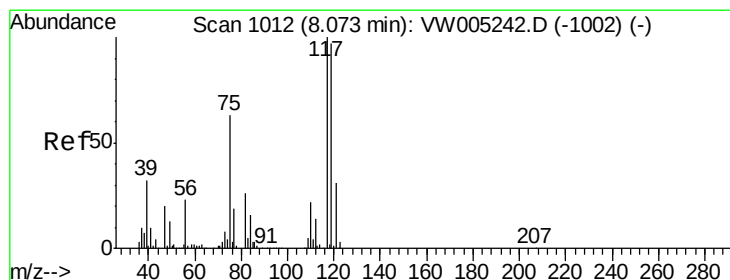
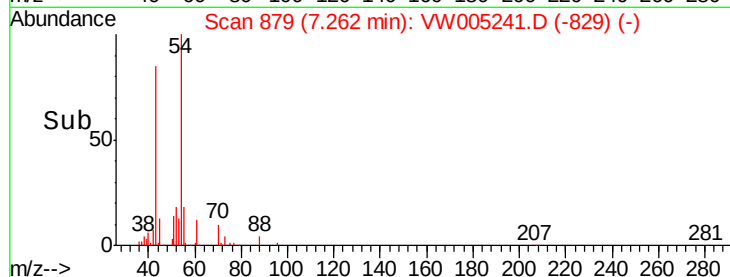
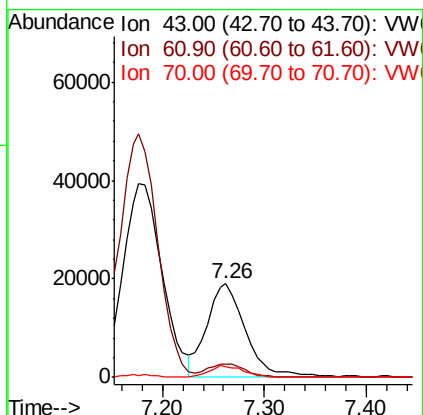
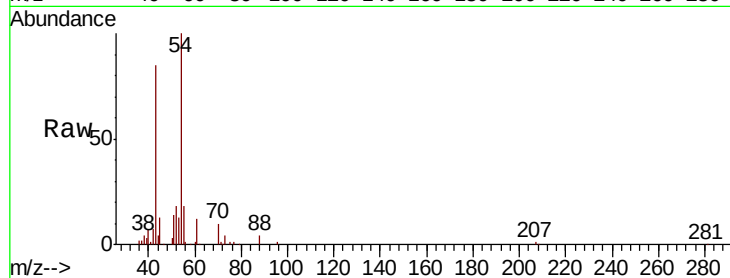




#37
Ethyl Acetate
Concen: 20.088 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

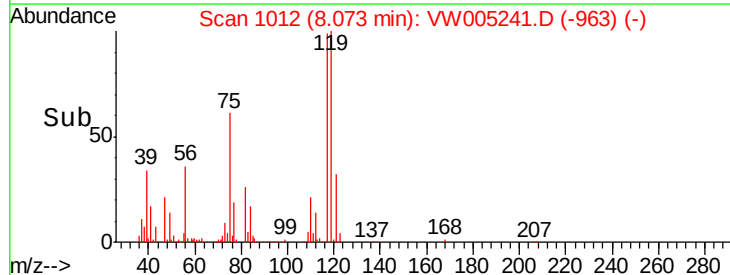
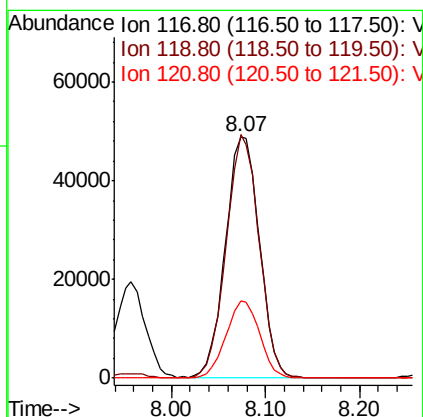
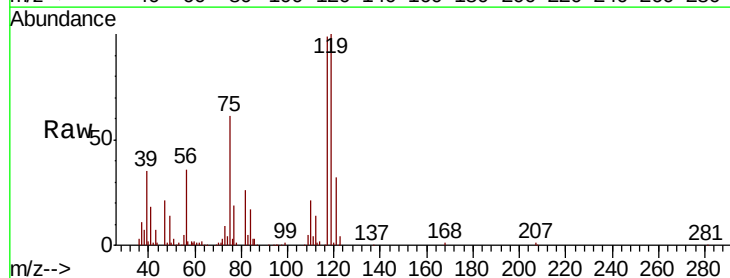
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

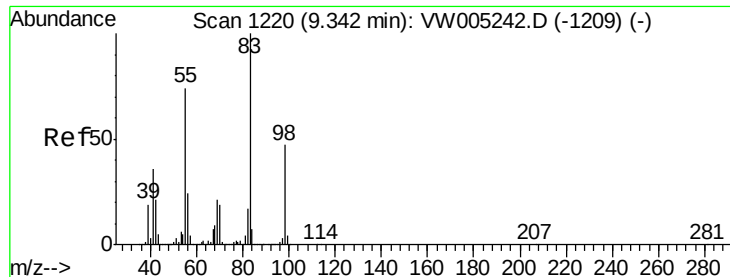
Tgt Ion: 43 Resp: 49326
Ion Ratio Lower Upper
43 100
61 14.3 12.3 18.5
70 11.9 9.5 14.3



#38
Carbon Tetrachloride
Concen: 20.356 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 117 Resp: 123096
Ion Ratio Lower Upper
117 100
119 100.7 77.5 116.3
121 31.8 24.7 37.1

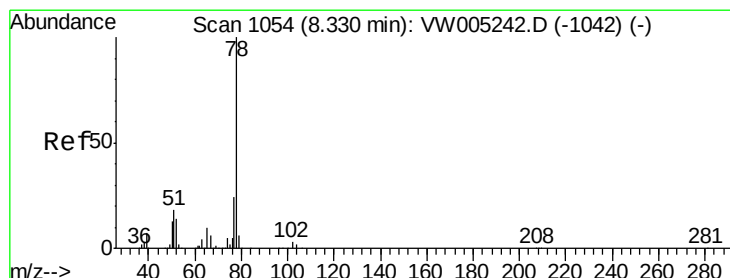
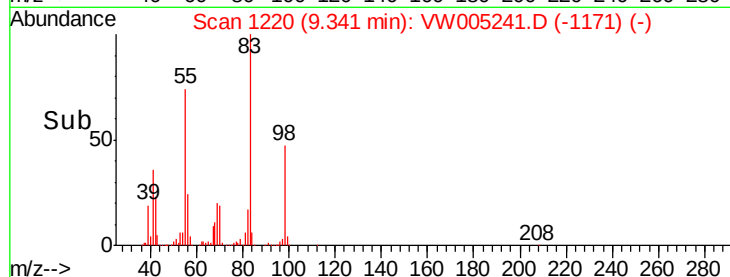
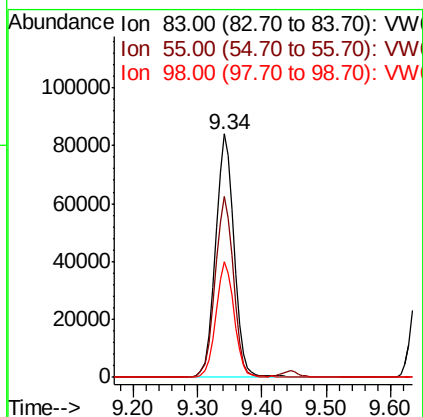
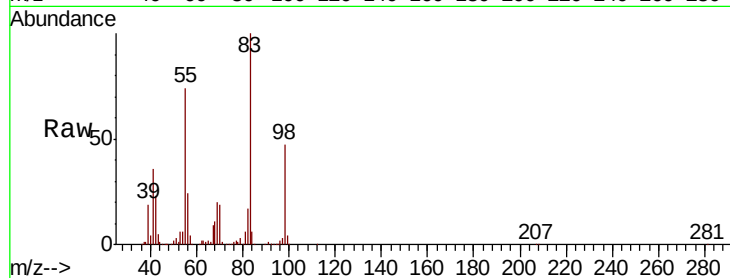




#39
Methylcyclohexane
Concen: 19.956 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

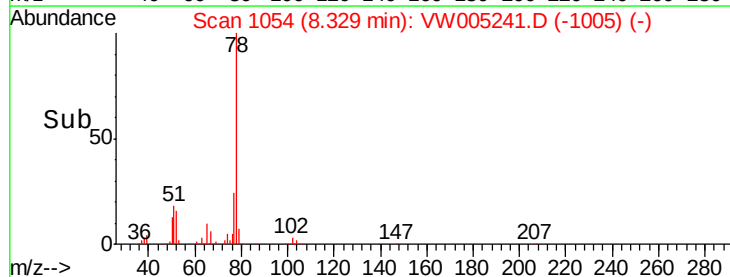
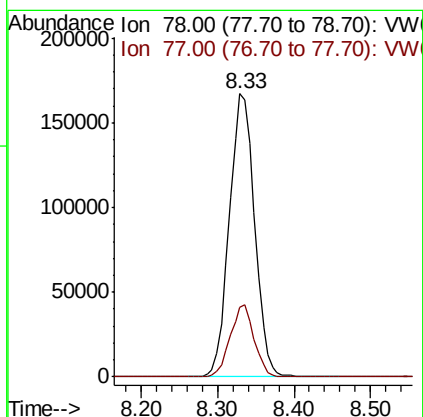
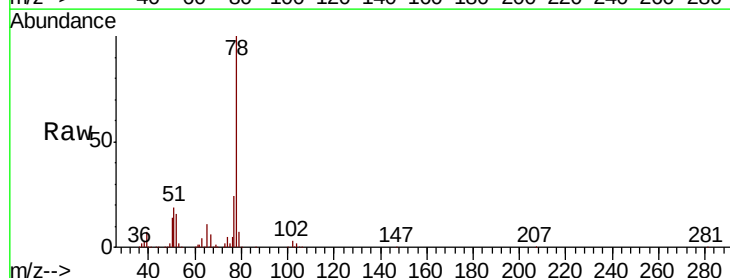
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

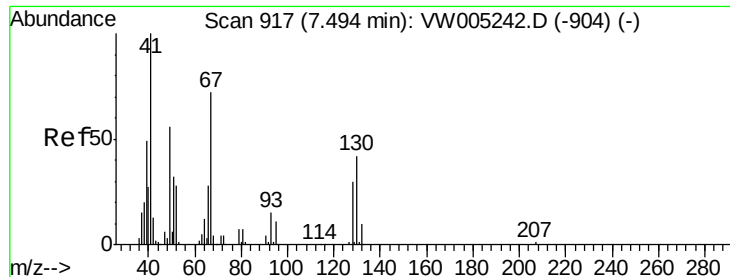
Tgt Ion: 83 Resp: 171047
Ion Ratio Lower Upper
83 100
55 74.1 58.9 88.3
98 47.3 37.6 56.4



#40
Benzene
Concen: 20.094 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 78 Resp: 382165
Ion Ratio Lower Upper
78 100
77 24.4 18.9 28.3

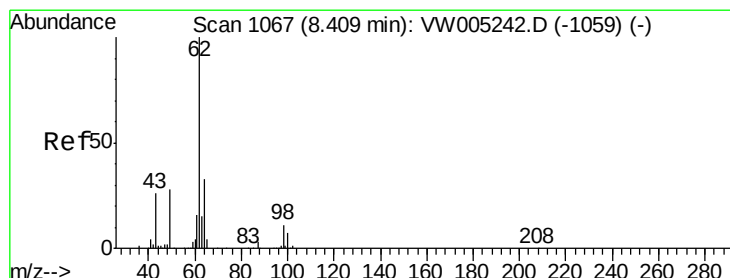
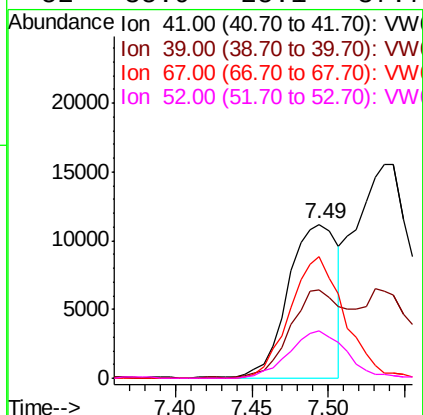
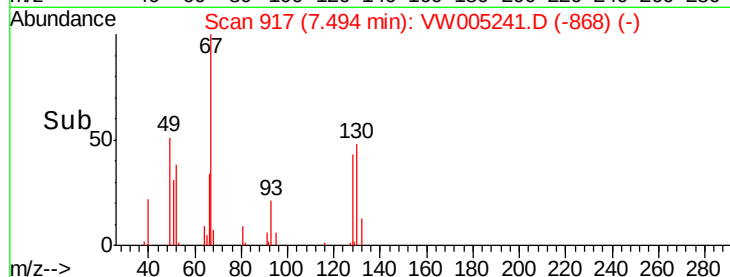
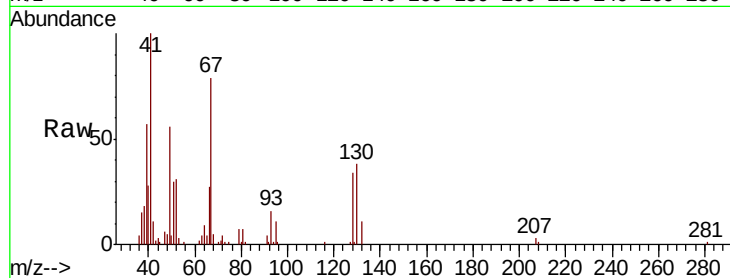




#41
Methacrylonitrile
Concen: 20.025 ug/l
RT: 7.49 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

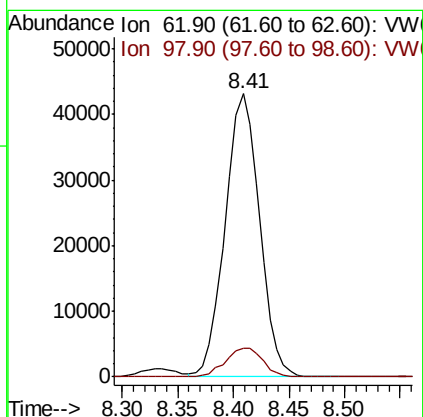
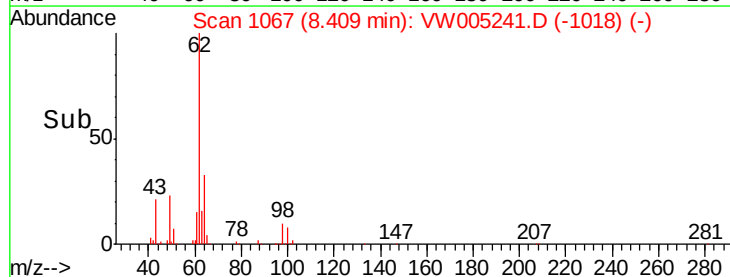
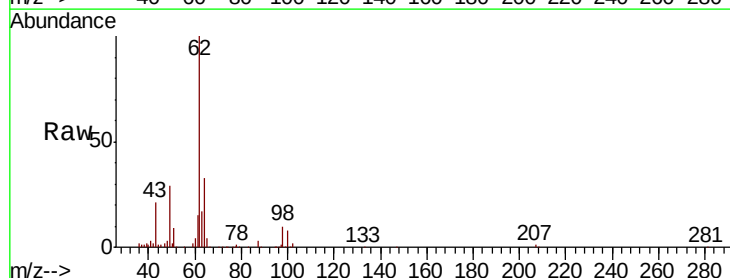
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

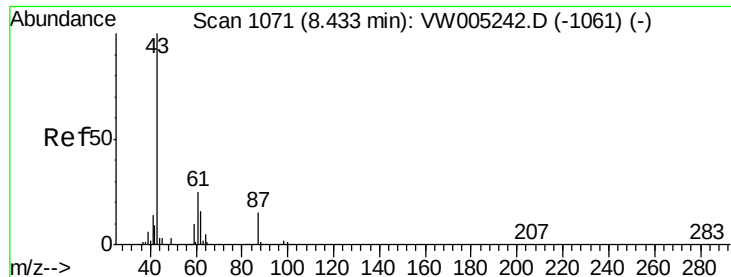
Tgt Ion:	41	Resp:	25227
Ion	Ratio	Lower	Upper
41	100		
39	61.3	39.9	59.9#
67	87.0	65.7	98.5
52	35.9	25.1	37.7



#42
1,2-Dichloroethane
Concen: 20.333 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion:	62	Resp:	92513
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	22.0





#43

Isopropyl Acetate

Concen: 19.303 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

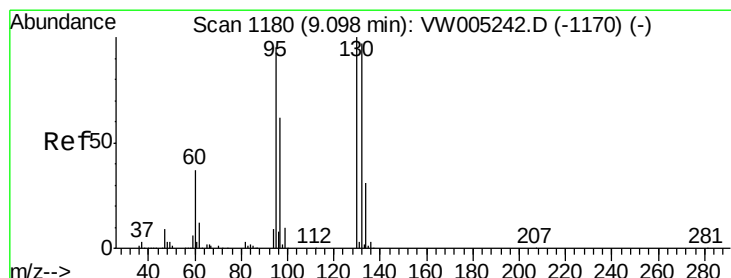
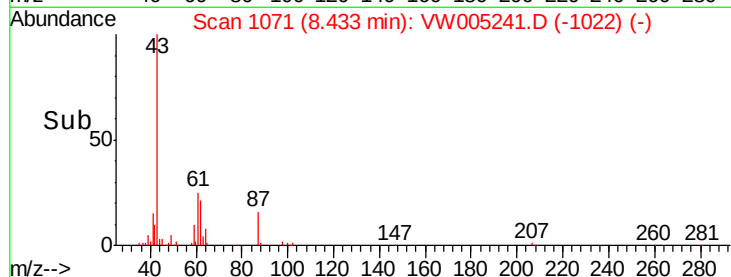
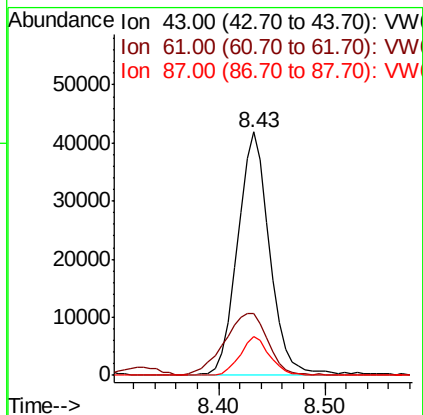
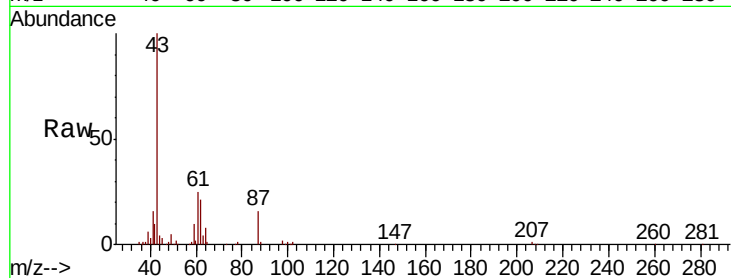
Tgt Ion: 43 Resp: 88015

Ion Ratio Lower Upper

43 100

61 34.0 25.4 38.0

87 14.9 11.9 17.9



#44

Trichloroethene

Concen: 20.702 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005241.D

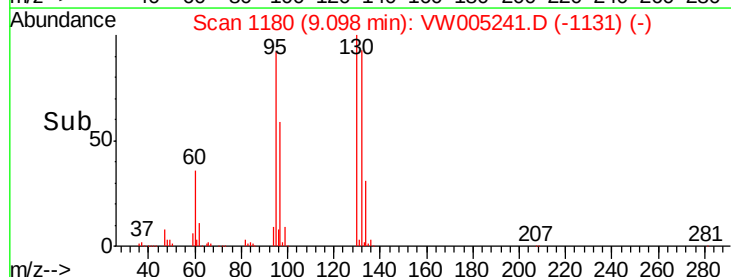
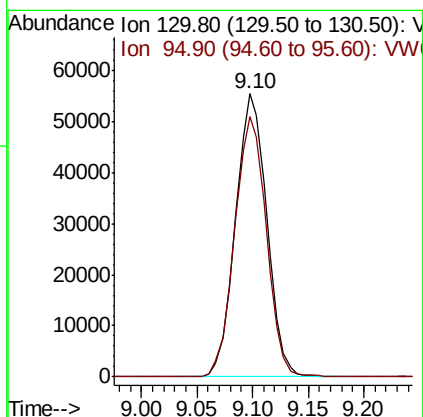
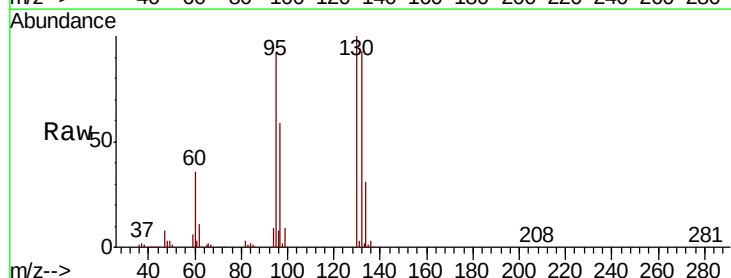
Acq: 10 Sep 2018 14:58

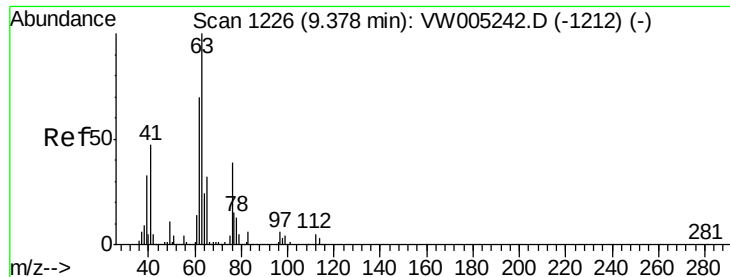
Tgt Ion: 130 Resp: 108014

Ion Ratio Lower Upper

130 100

95 92.1 0.0 189.6

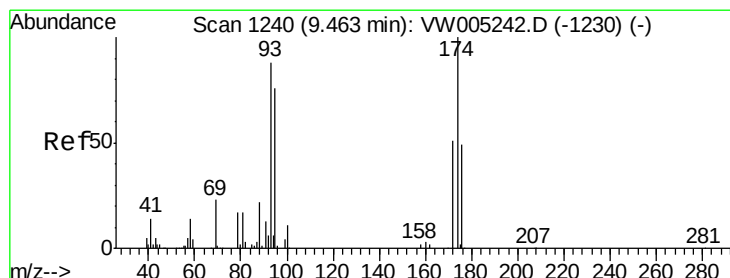
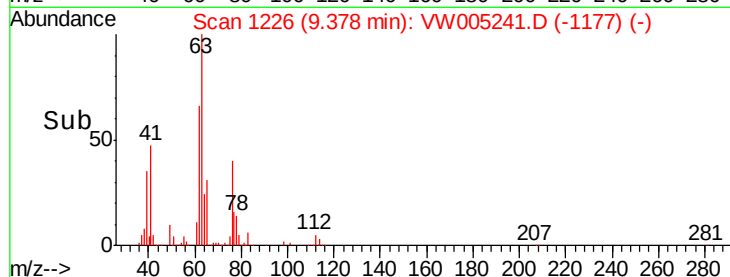
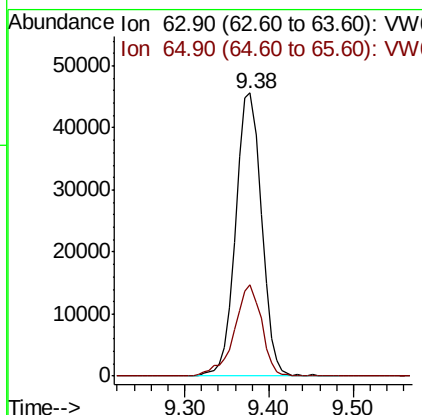
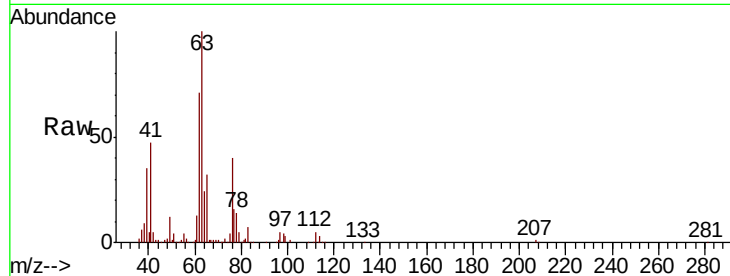




#45
 1,2-Dichloropropane
 Concen: 20.669 ug/l
 RT: 9.38 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

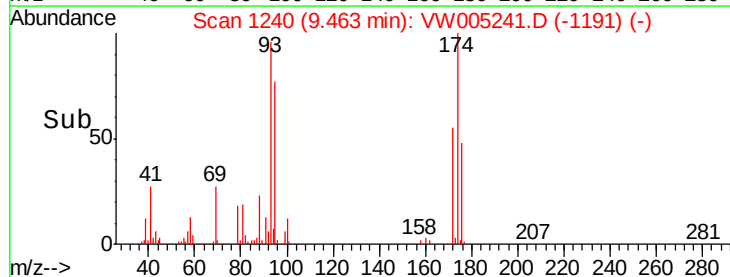
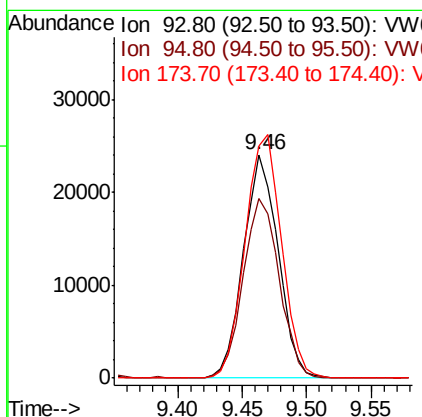
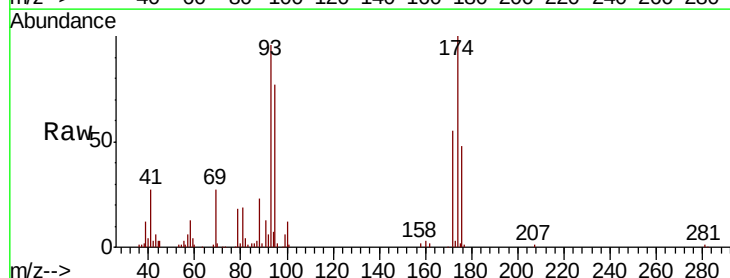
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

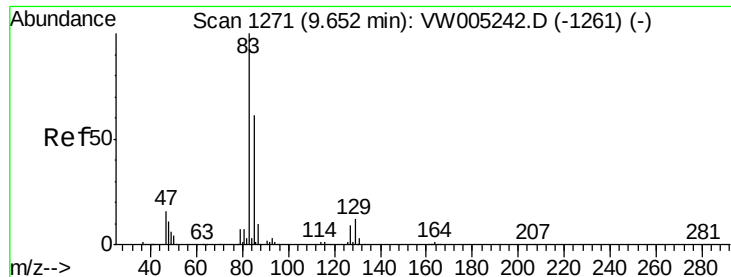
Tgt Ion: 63 Resp: 94485
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.4 38.2



#46
 Dibromomethane
 Concen: 20.035 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion: 93 Resp: 44831
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.0 100.4
 174 114.7 92.2 138.2





#47

Bromodichloromethane

Concen: 20.510 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

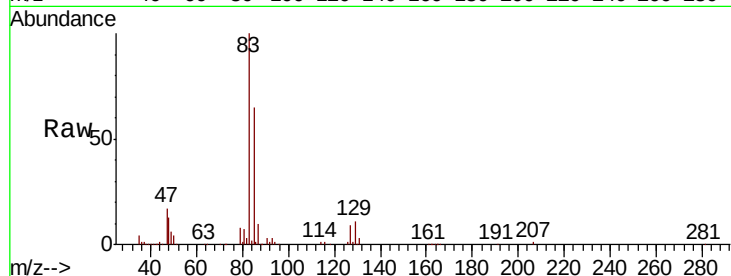
Tgt Ion: 83 Resp: 112267

Ion Ratio Lower Upper

83 100

85 65.3 49.0 73.6

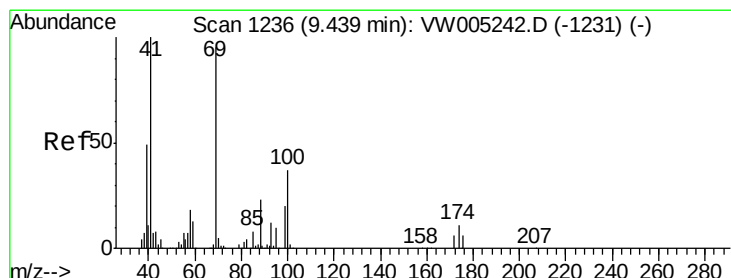
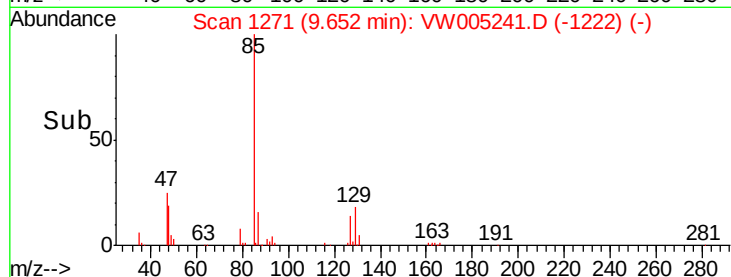
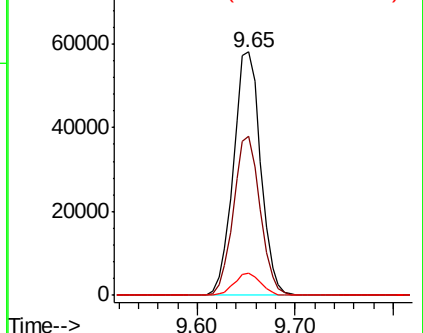
127 9.1 7.0 10.4



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: 19.998 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

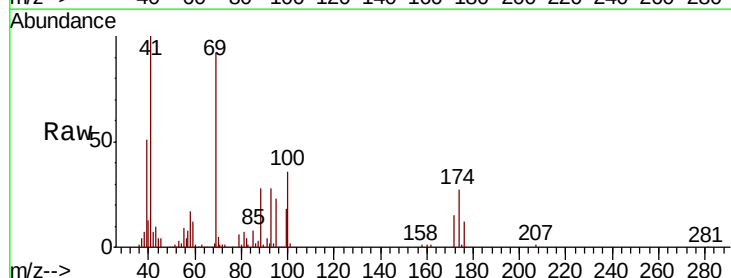
Tgt Ion: 41 Resp: 47347

Ion Ratio Lower Upper

41 100

69 93.0 74.6 112.0

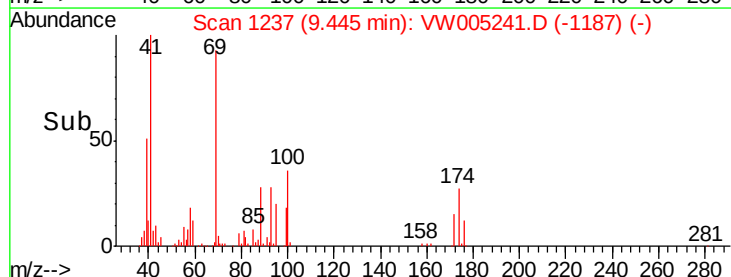
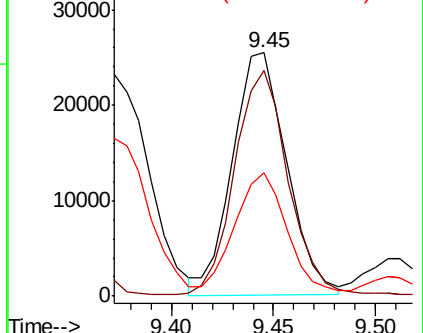
39 44.4 36.7 55.1

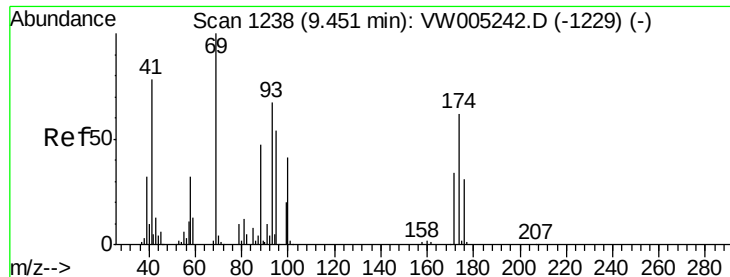


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 397.916 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

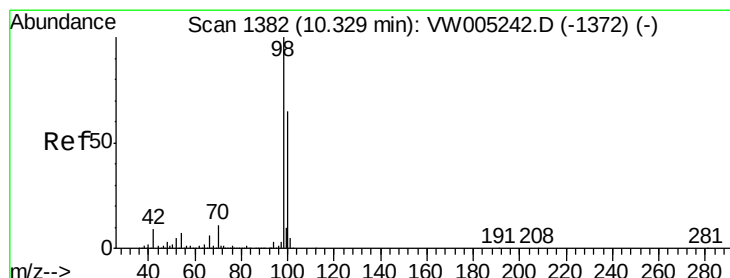
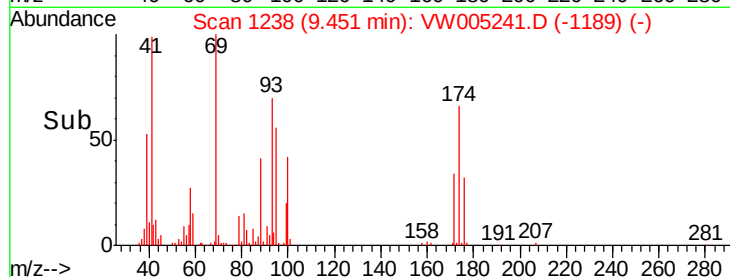
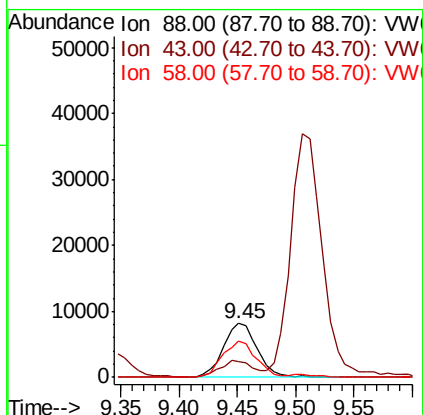
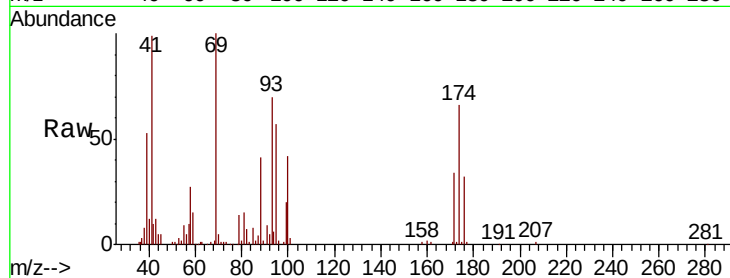
Tgt Ion: 88 Resp: 16624

Ion Ratio Lower Upper

88 100

43 28.5 22.7 34.1

58 66.3 56.6 85.0



#50

Toluene-d8

Concen: 19.531 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005241.D

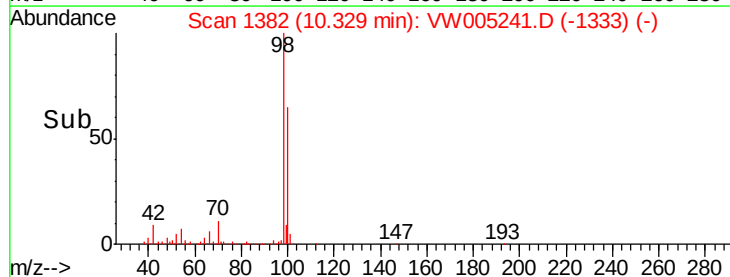
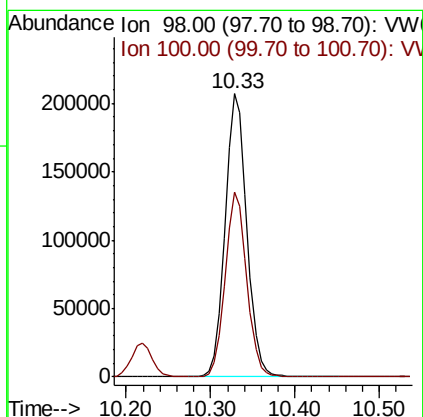
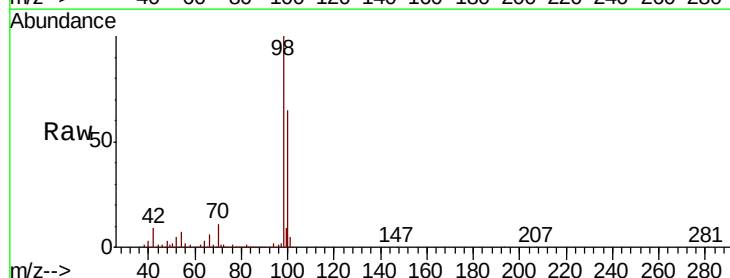
Acq: 10 Sep 2018 14:58

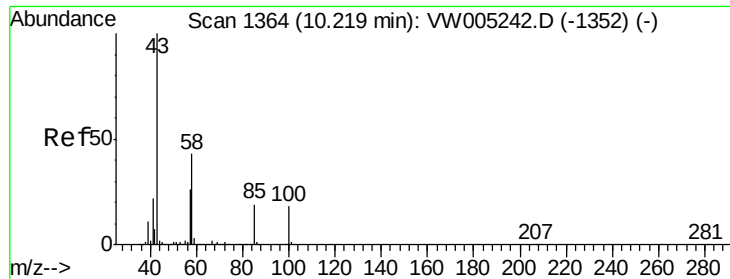
Tgt Ion: 98 Resp: 364276

Ion Ratio Lower Upper

98 100

100 65.1 52.0 78.0

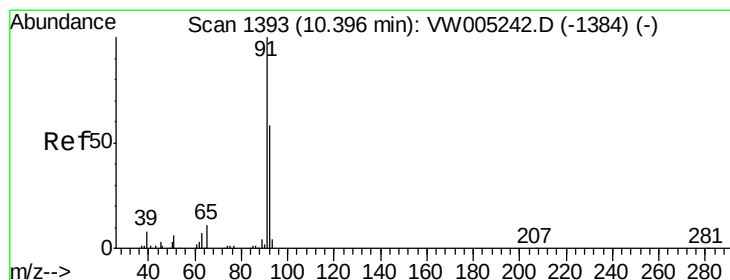
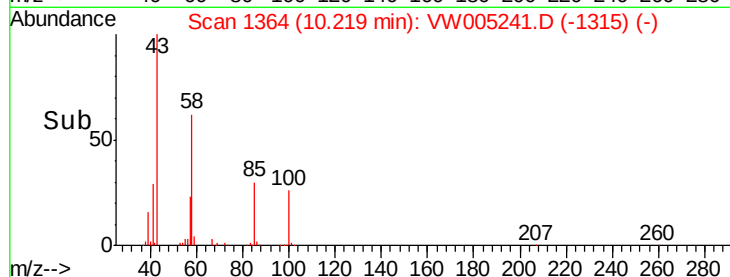
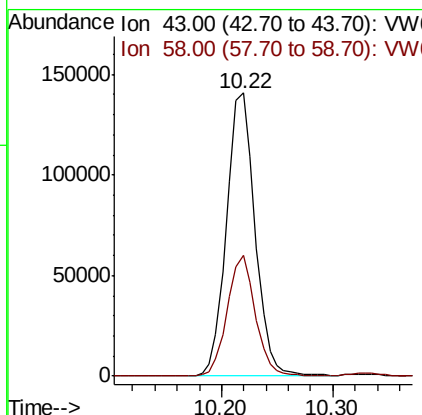
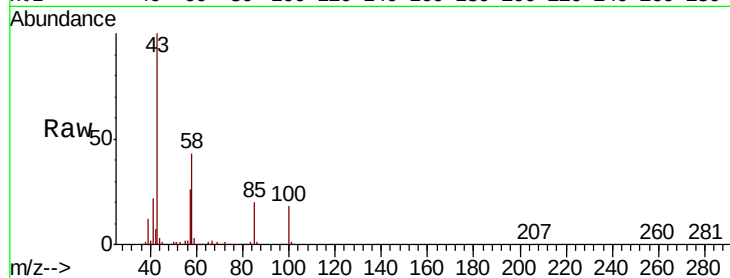




#51
 4-Methyl-2-Pentanone
 Concen: 97.723 ug/l
 RT: 10.22 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

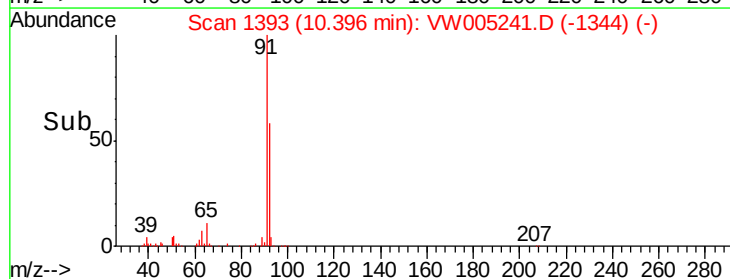
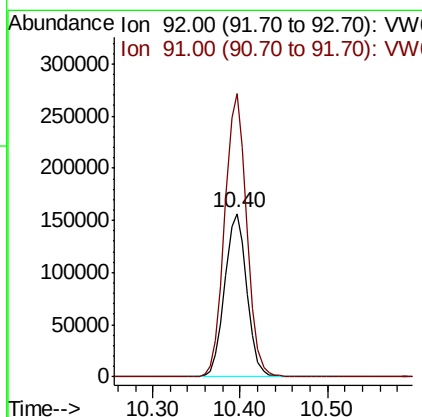
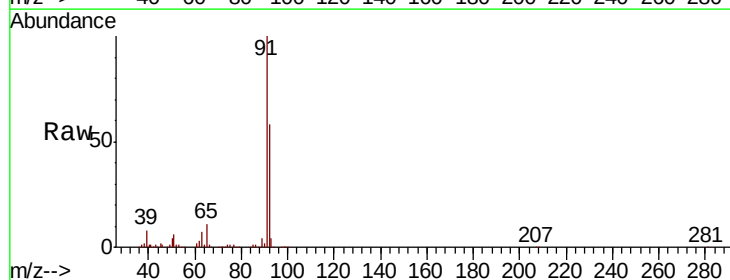
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

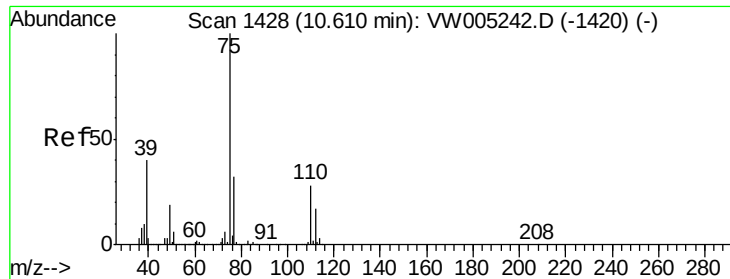
Tgt Ion: 43 Resp: 250756
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.8 50.6



#52
 Toluene
 Concen: 19.910 ug/l
 RT: 10.40 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion: 92 Resp: 275203
 Ion Ratio Lower Upper
 92 100
 91 172.5 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 20.075 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

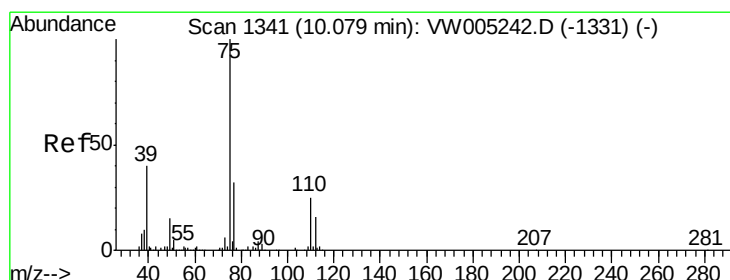
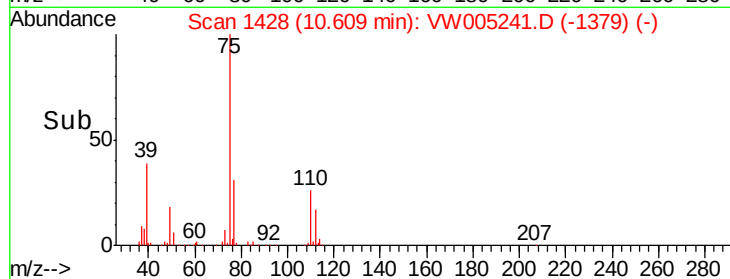
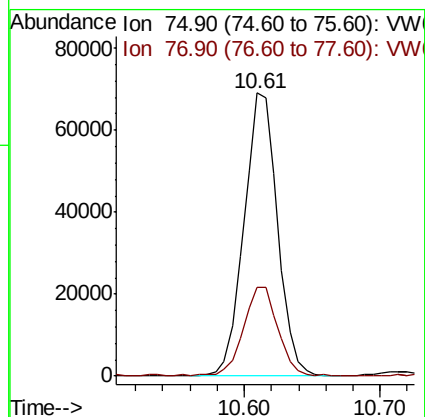
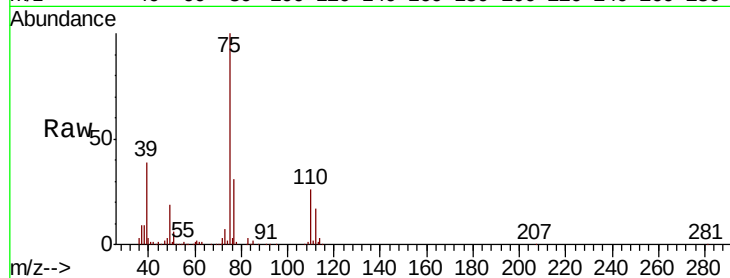
VSTDIC020

Tgt Ion: 75 Resp: 118758

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 20.344 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

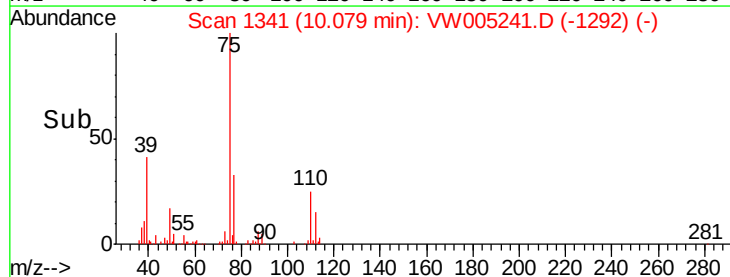
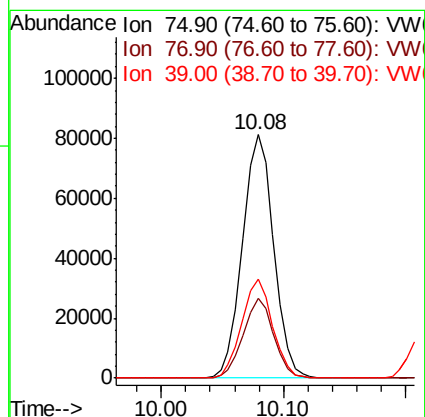
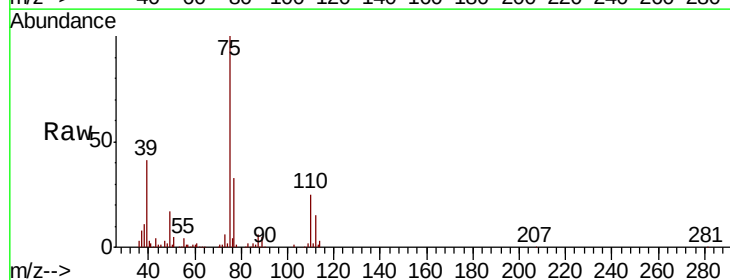
Tgt Ion: 75 Resp: 144121

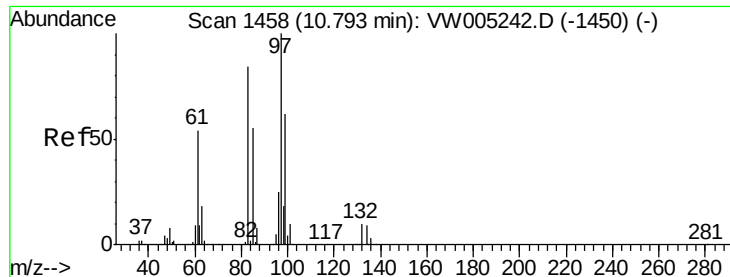
Ion Ratio Lower Upper

75 100

77 32.5 25.5 38.3

39 40.7 31.8 47.6

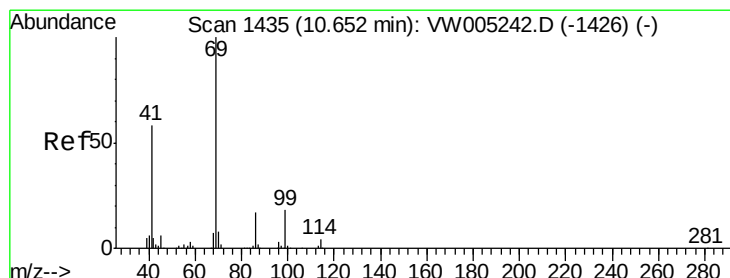
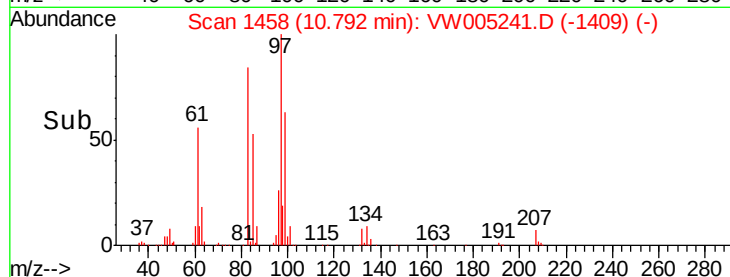
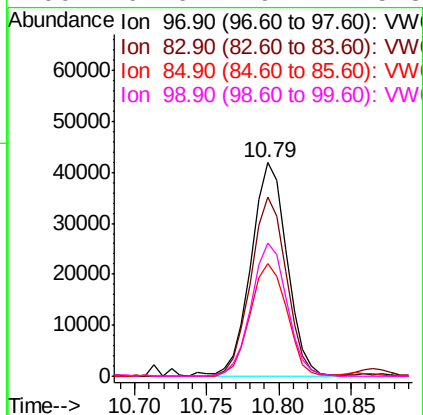
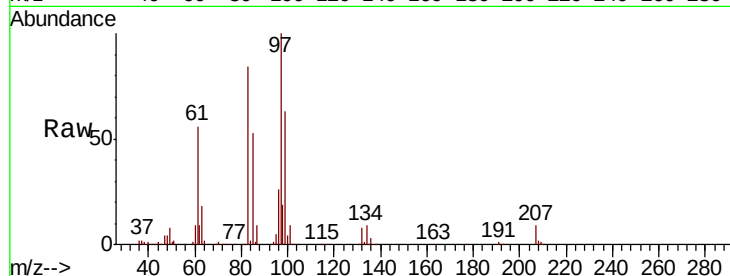




#55
 1,1,2-Trichloroethane
 Concen: 20.355 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

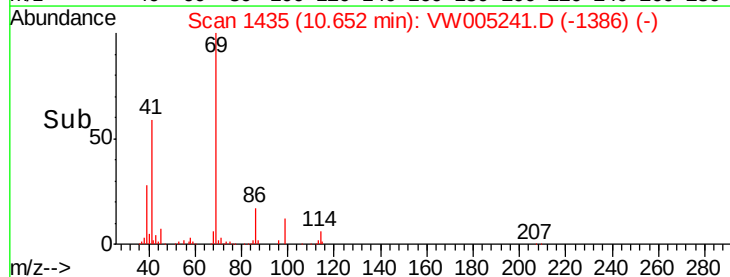
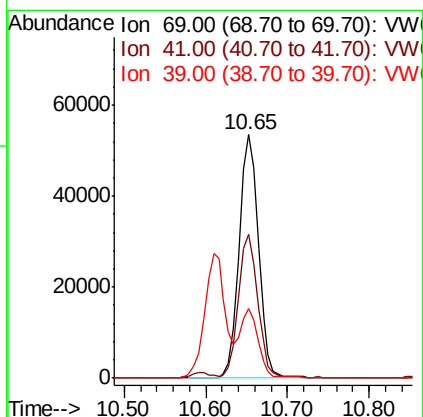
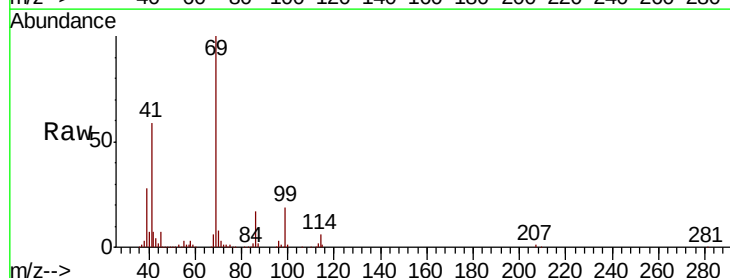
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

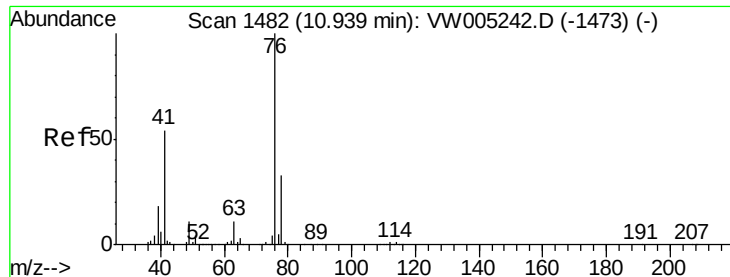
Tgt Ion:	97	Resp:	72623
Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.2	100.8
85	52.9	44.4	66.6
99	62.6	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 19.288 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion:	69	Resp:	87244
Ion	Ratio	Lower	Upper
69	100		
41	58.5	48.7	73.1
39	26.9	20.9	31.3





#57

1,3-Dichloropropane

Concen: 20.310 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

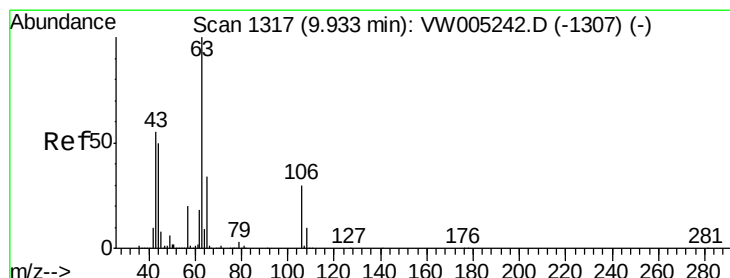
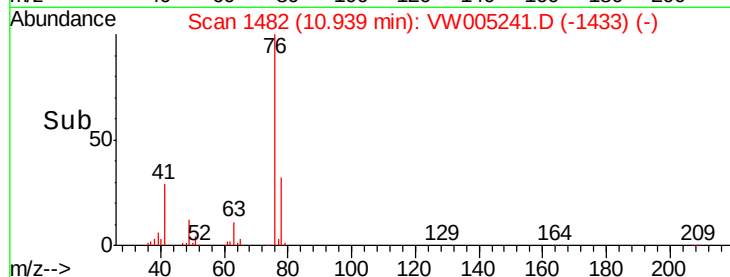
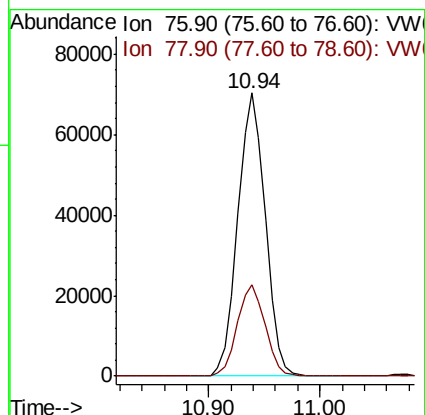
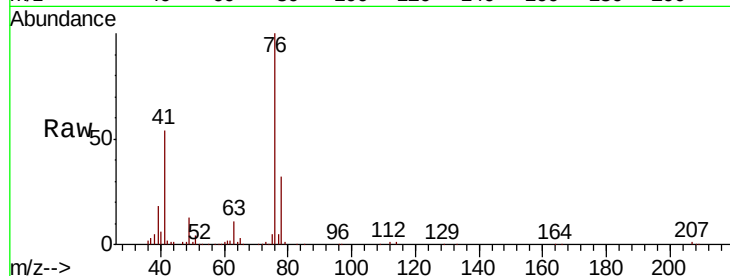
VSTDIC020

Tgt Ion: 76 Resp: 120327

Ion Ratio Lower Upper

76 100

78 32.6 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 103.139 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VW005241.D

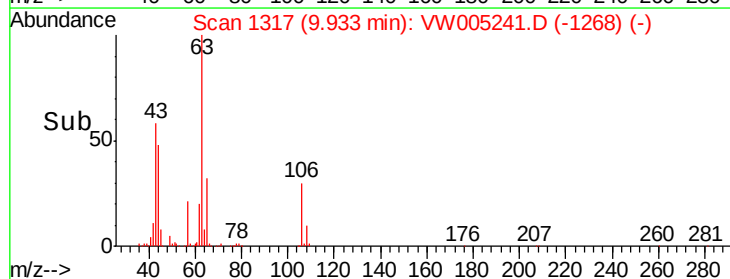
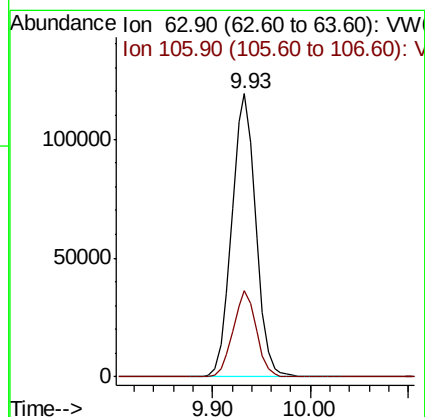
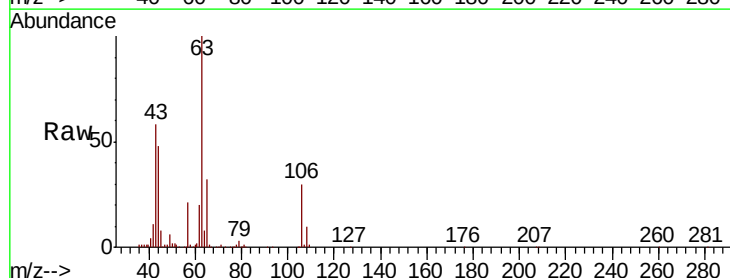
Acq: 10 Sep 2018 14:58

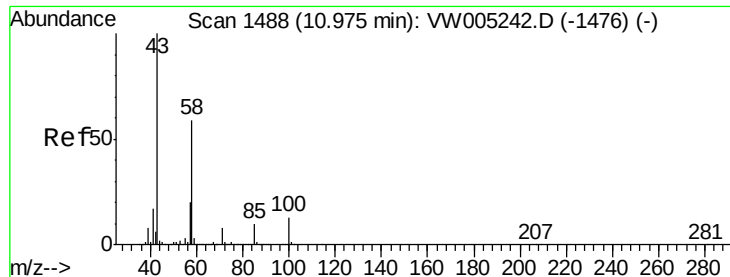
Tgt Ion: 63 Resp: 202766

Ion Ratio Lower Upper

63 100

106 29.4 23.4 35.0

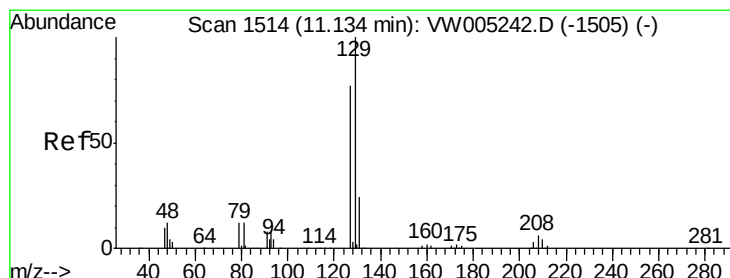
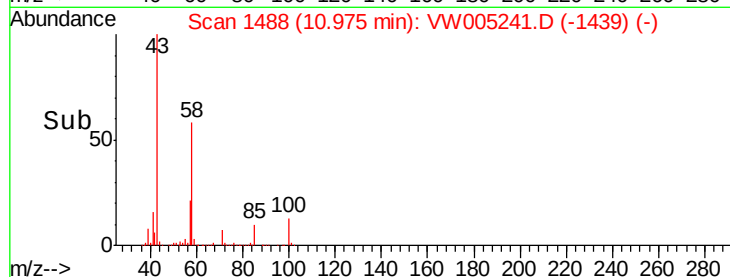
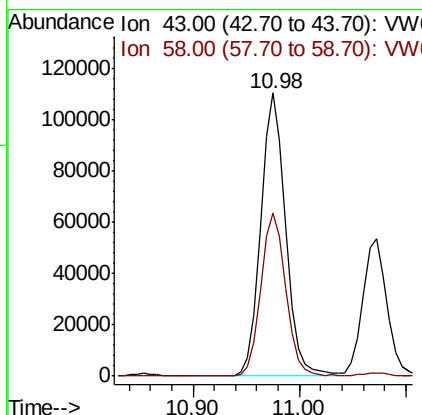
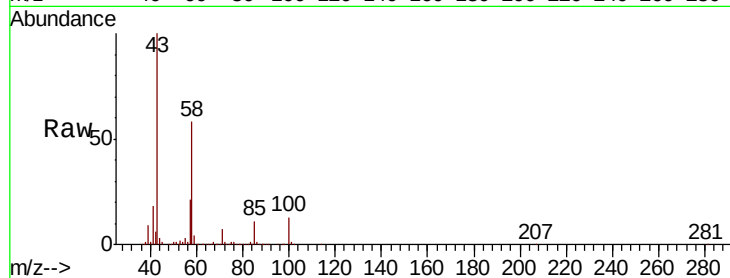




#59
2-Hexanone
Concen: 97.770 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

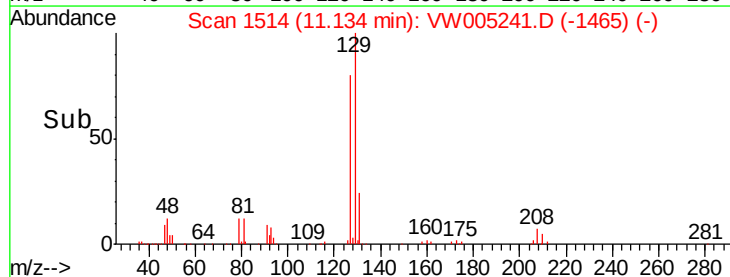
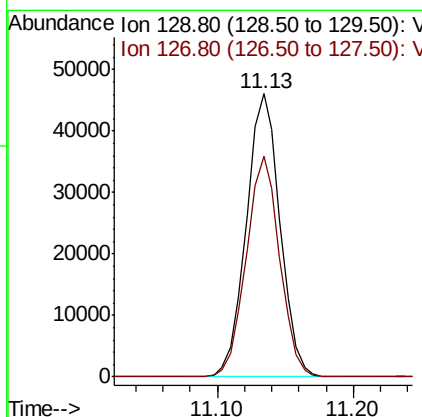
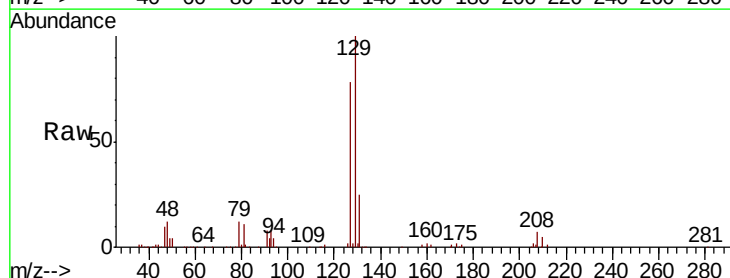
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

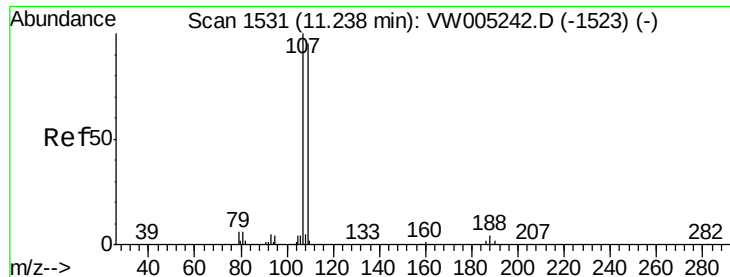
Tgt Ion: 43 Resp: 180863
Ion Ratio Lower Upper
43 100
58 57.9 29.3 87.9



#60
Dibromochloromethane
Concen: 20.242 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 129 Resp: 80138
Ion Ratio Lower Upper
129 100
127 77.2 39.0 117.0





#61

1,2-Dibromoethane

Concen: 19.840 ug/l

RT: 11.24 min Scan# 1532

Delta R.T. 0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

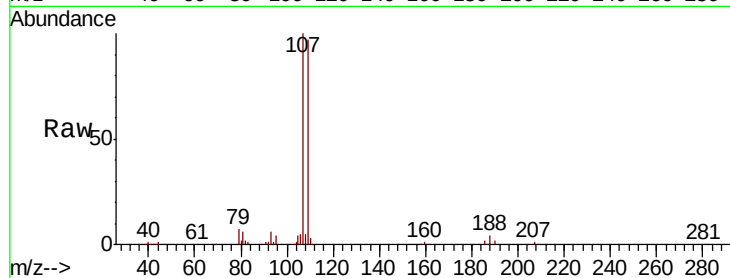
VSTDIC020

Tgt Ion: 107 Resp: 64914

Ion Ratio Lower Upper

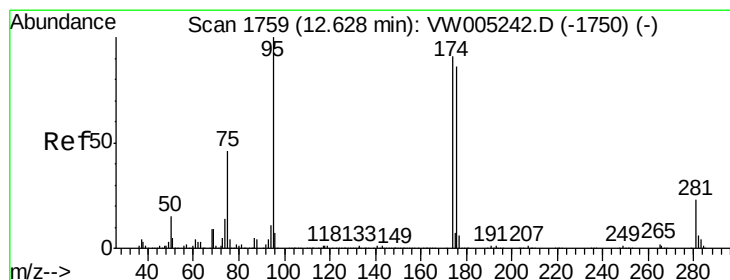
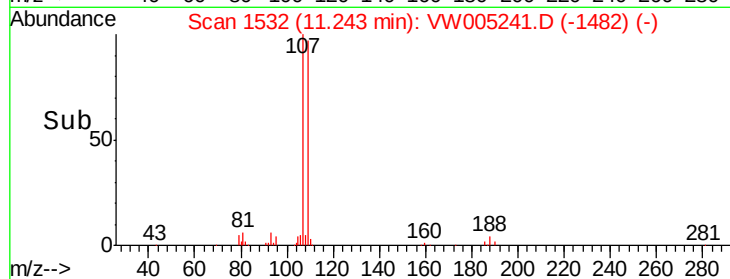
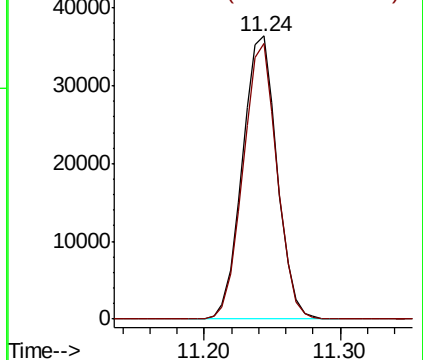
107 100

109 95.1 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.495 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

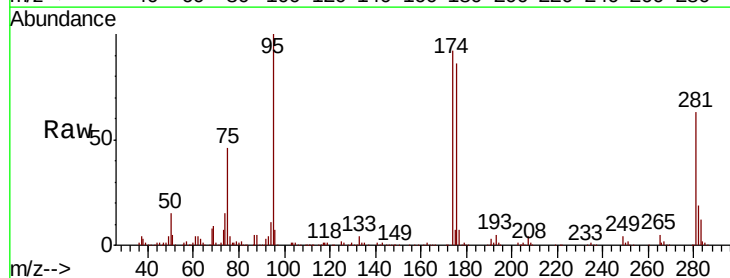
Tgt Ion: 95 Resp: 133003

Ion Ratio Lower Upper

95 100

174 87.6 0.0 174.6

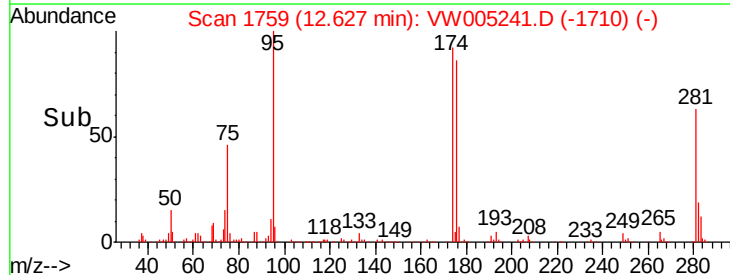
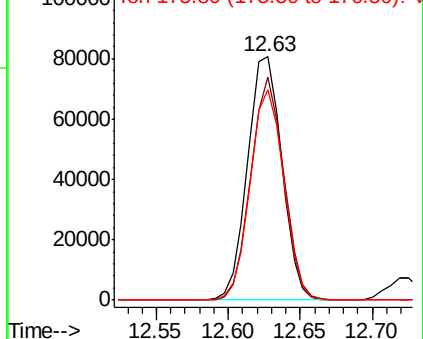
176 84.6 0.0 167.6

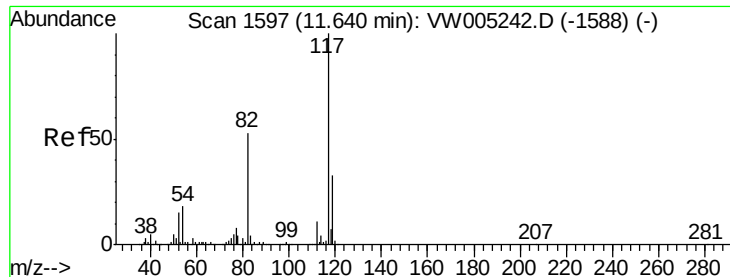


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

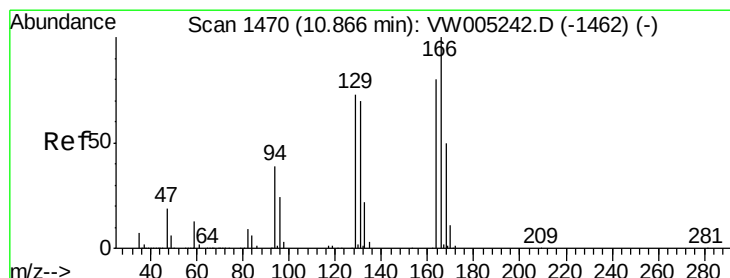
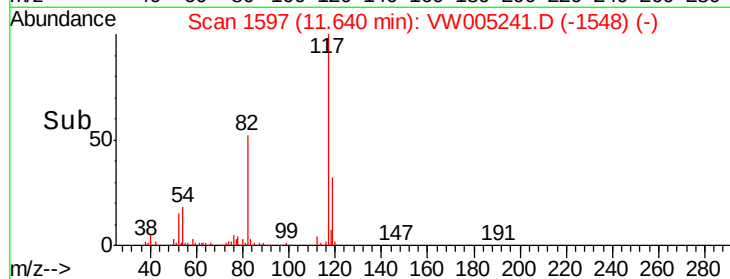
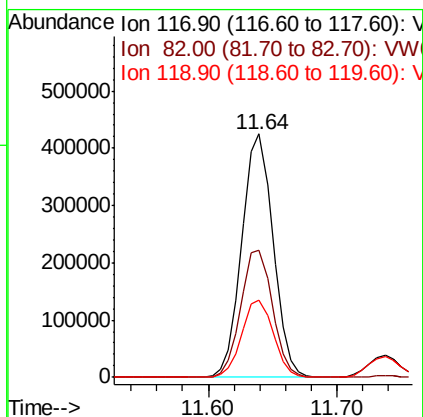
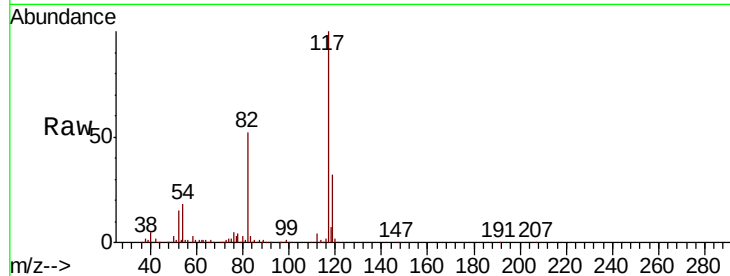




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

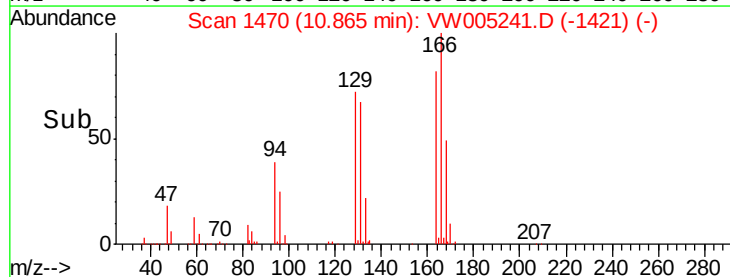
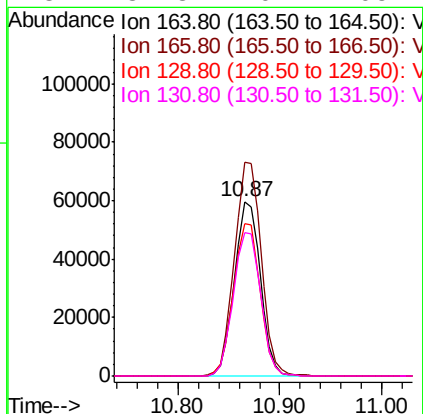
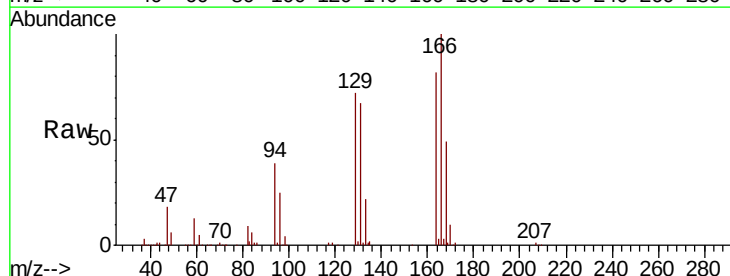
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

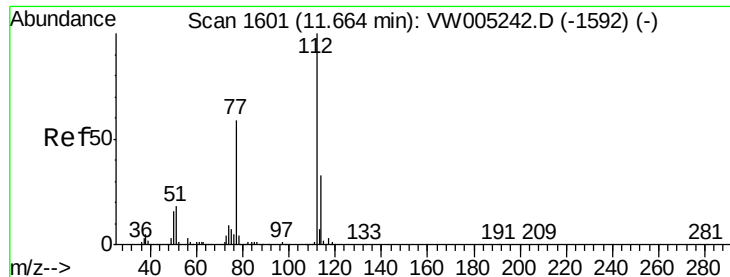
Tgt Ion:117 Resp: 713931
Ion Ratio Lower Upper
117 100
82 52.2 42.6 63.8
119 31.9 26.2 39.4



#64
Tetrachloroethene
Concen: 19.802 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion:164 Resp: 104886
Ion Ratio Lower Upper
164 100
166 122.3 100.2 150.2
129 87.6 73.2 109.8
131 82.3 70.2 105.4

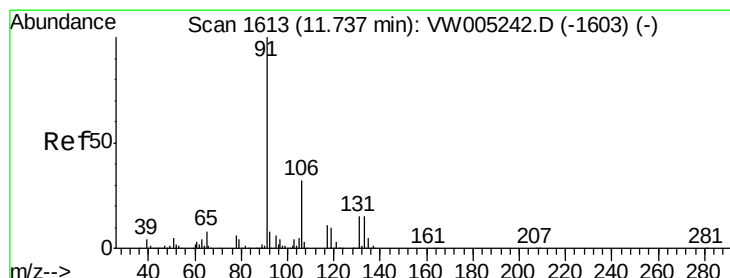
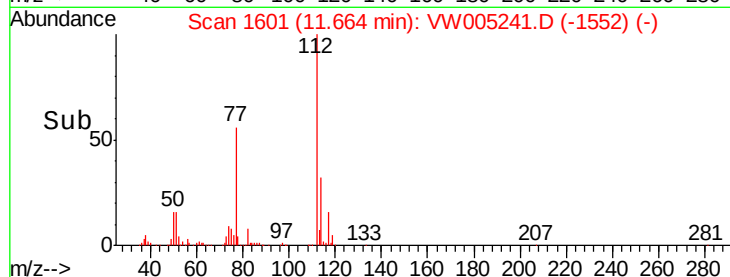
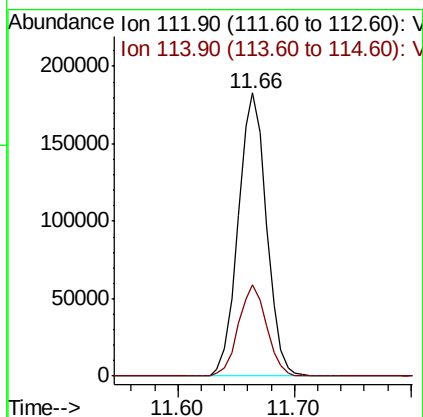
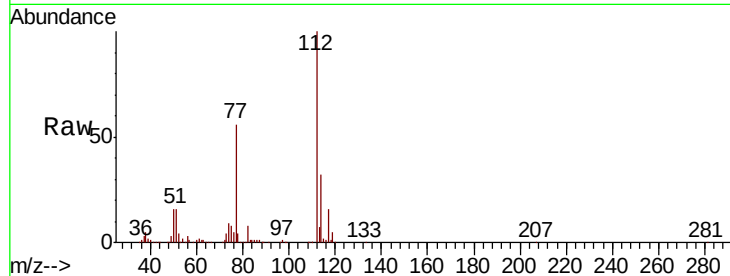




#65
Chlorobenzene
Concen: 19.824 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

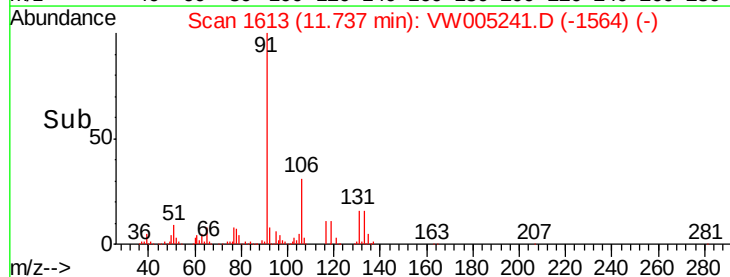
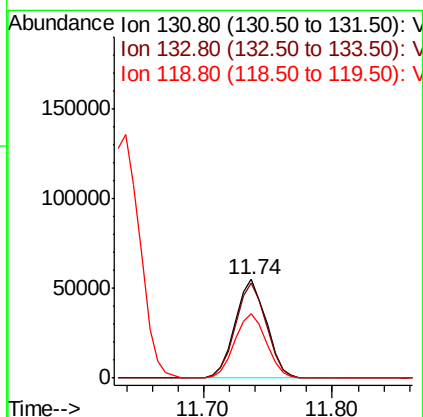
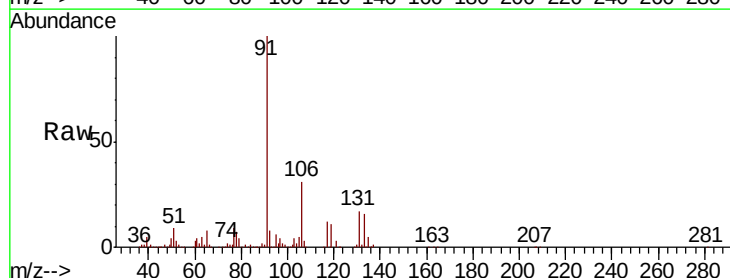
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

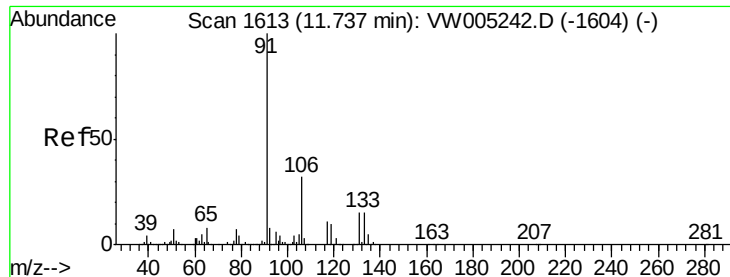
Tgt Ion:112 Resp: 310037
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.800 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion:131 Resp: 92460
Ion Ratio Lower Upper
131 100
133 95.6 48.1 144.3
119 66.3 33.4 100.1

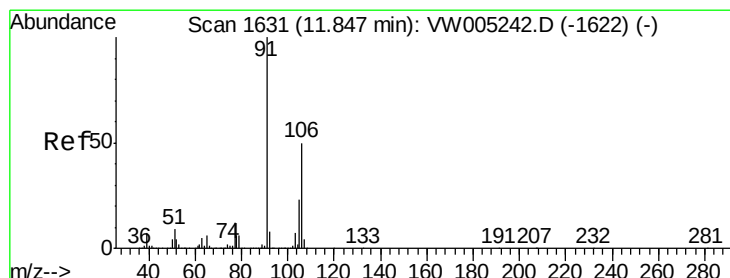
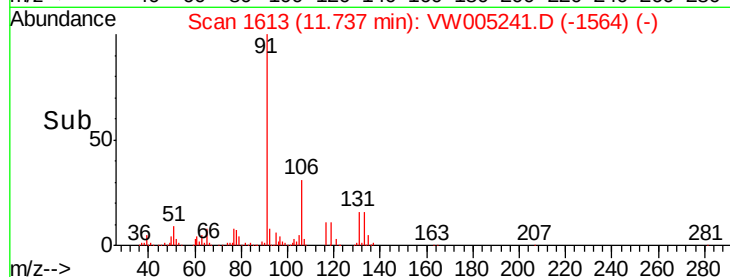
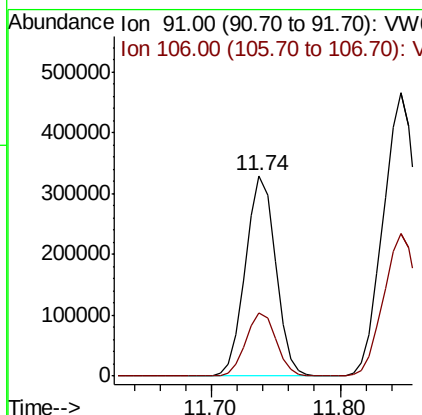
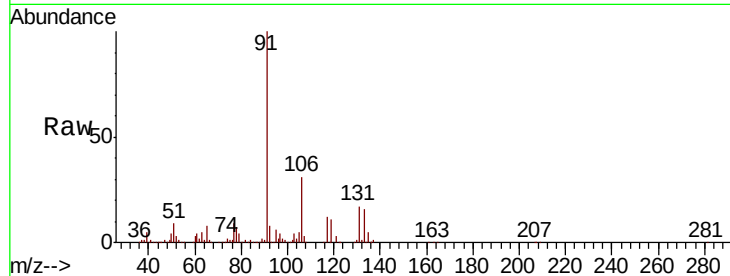




#67
 Ethyl Benzene
 Concen: 19.574 ug/l
 RT: 11.74 min Scan# 1613
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

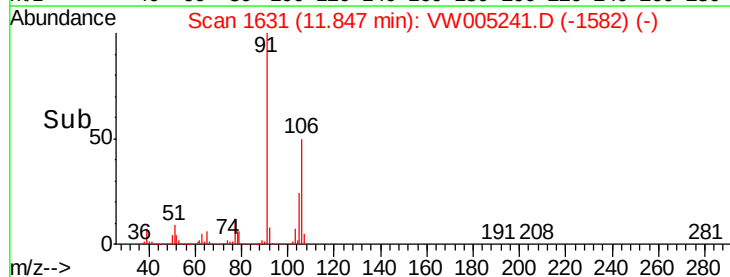
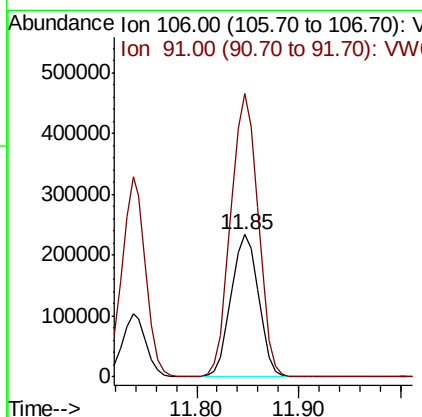
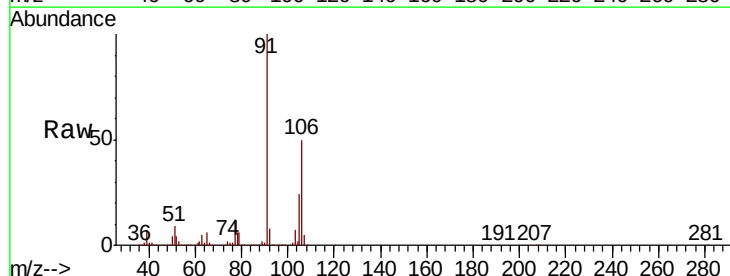
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

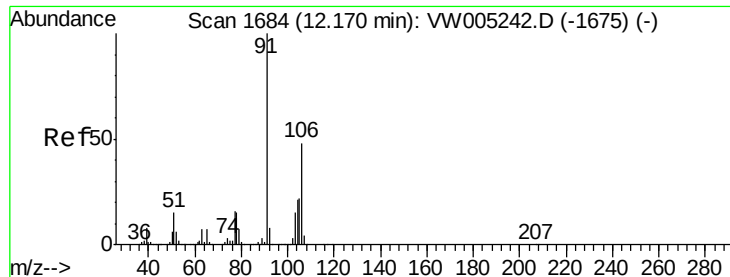
Tgt Ion: 91 Resp: 533115
 Ion Ratio Lower Upper
 91 100
 106 31.4 25.6 38.4



#68
 m/p-Xylenes
 Concen: 39.735 ug/l
 RT: 11.85 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion: 106 Resp: 436115
 Ion Ratio Lower Upper
 106 100
 91 198.1 160.2 240.2

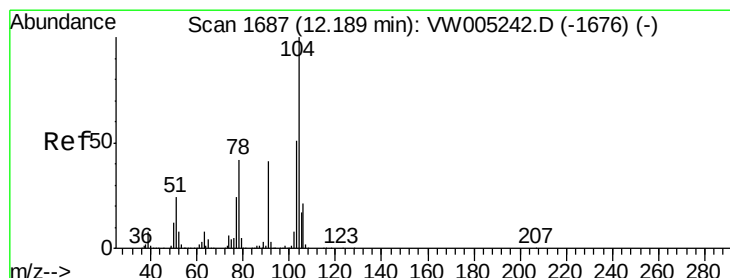
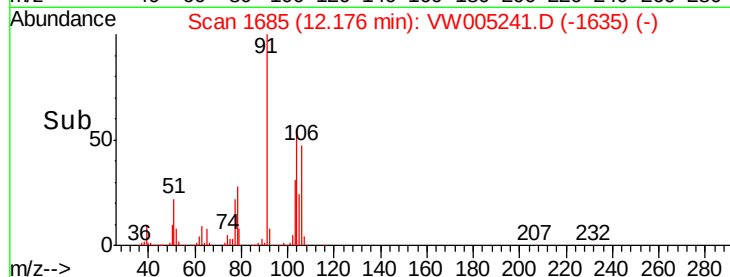
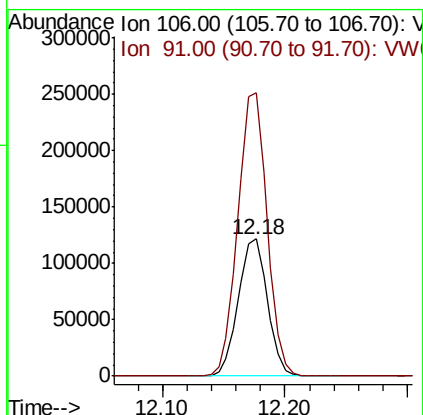
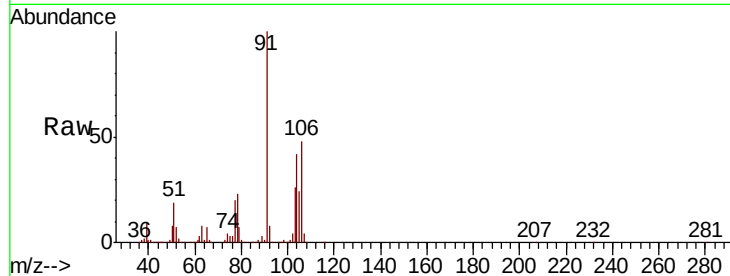




#69
o-Xylene
Concen: 19.662 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

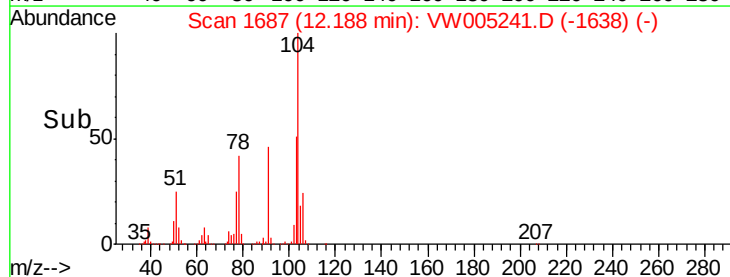
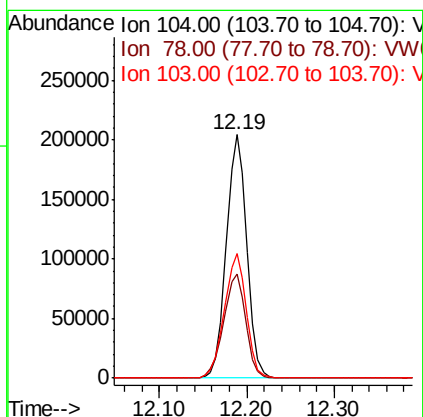
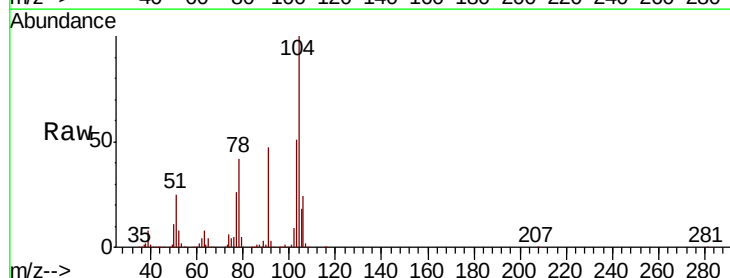
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

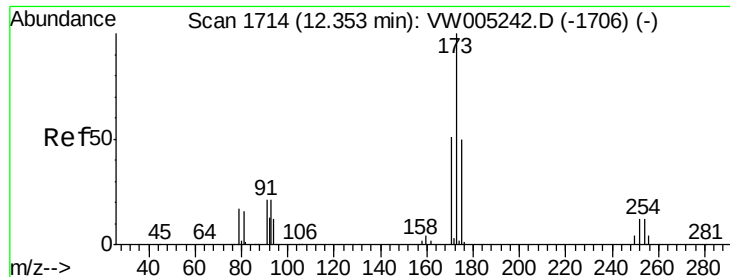
Tgt Ion:106 Resp: 200777
Ion Ratio Lower Upper
106 100
91 207.1 104.1 312.3



#70
Styrene
Concen: 19.867 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion:104 Resp: 331027
Ion Ratio Lower Upper
104 100
78 46.0 37.4 56.2
103 54.7 44.1 66.1





#71

Bromoform

Concen: 19.341 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

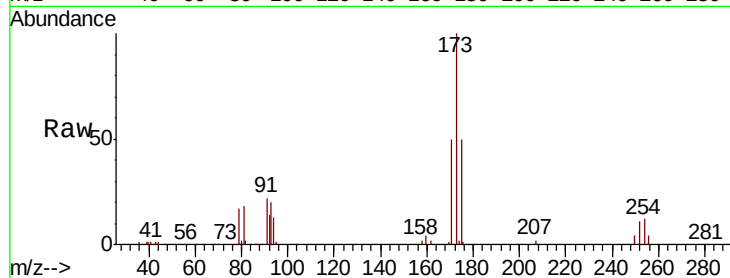
Tgt Ion:173 Resp: 48969

Ion Ratio Lower Upper

173 100

175 48.8 24.9 74.6

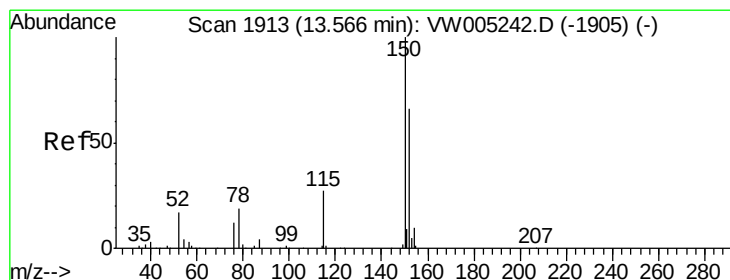
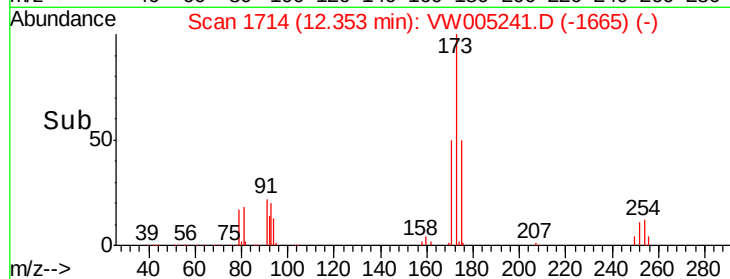
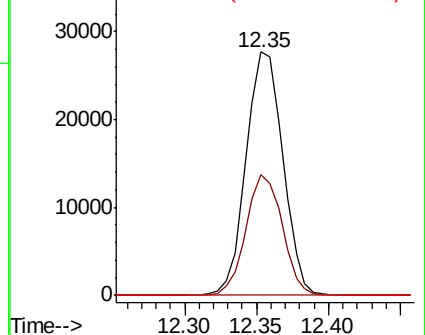
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

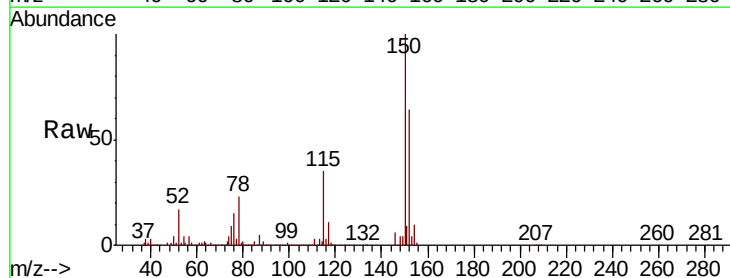
Tgt Ion:152 Resp: 394326

Ion Ratio Lower Upper

152 100

115 55.3 27.5 82.4

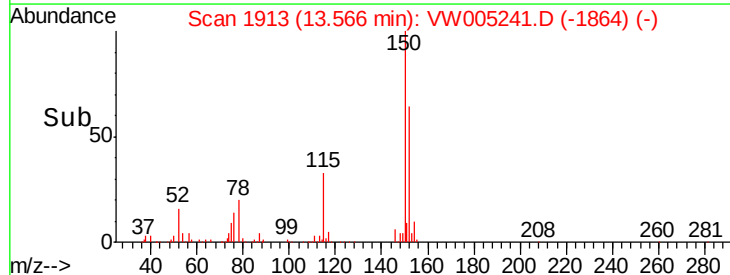
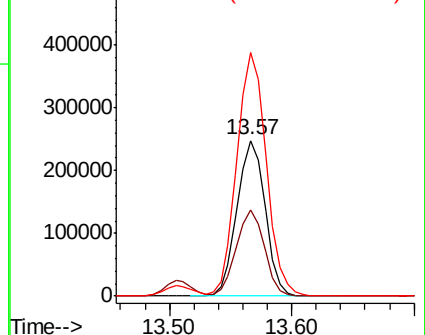
150 163.8 0.0 347.4

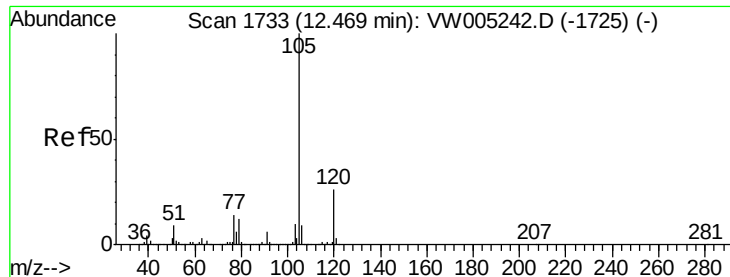


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.484 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

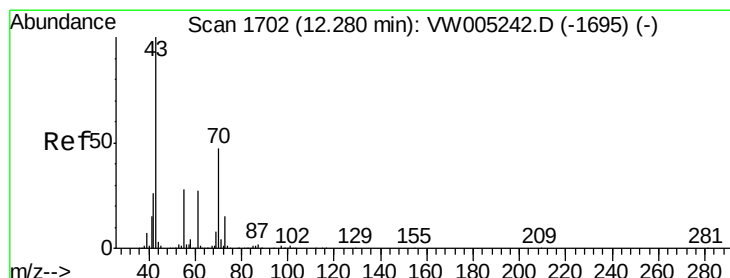
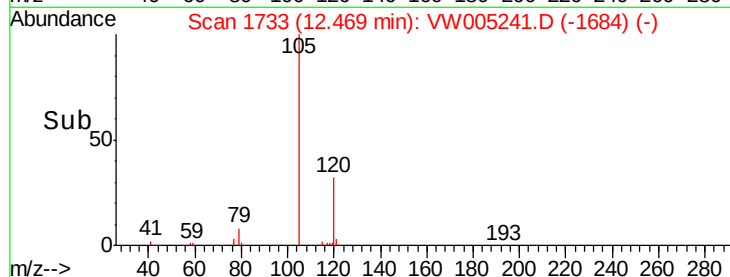
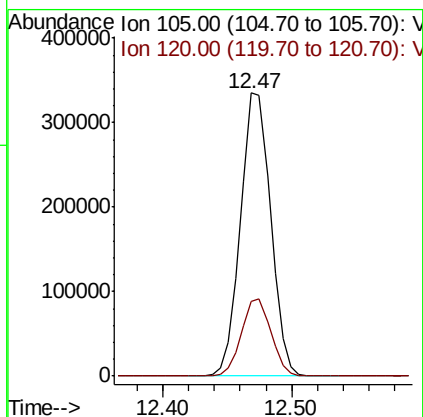
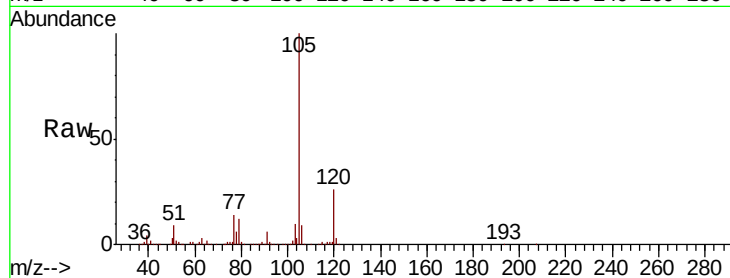
VSTDIC020

Tgt Ion: 105 Resp: 542830

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.1



#74

N-ethyl acetate

Concen: 18.697 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Tgt Ion: 43 Resp: 99111

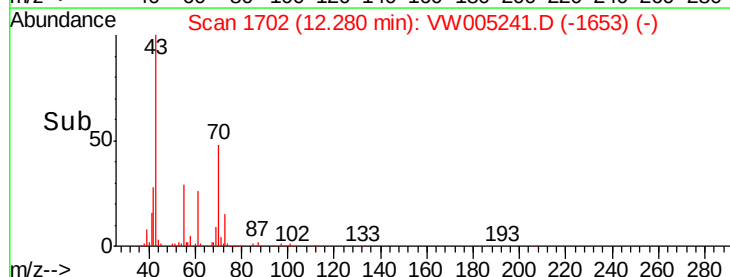
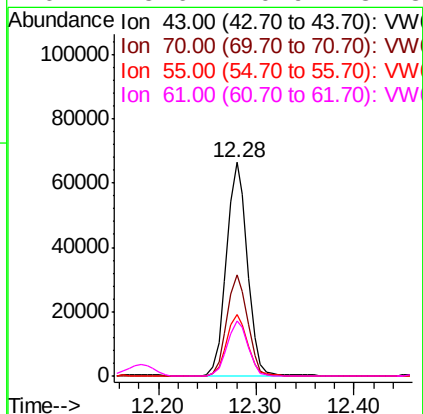
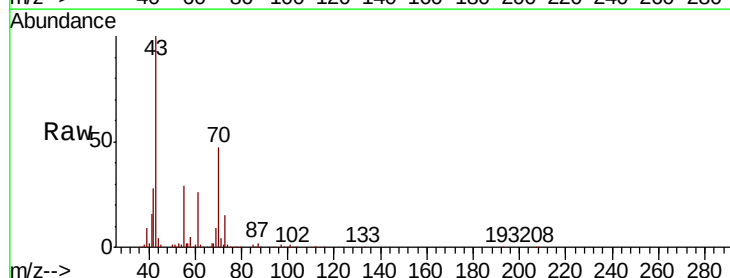
Ion Ratio Lower Upper

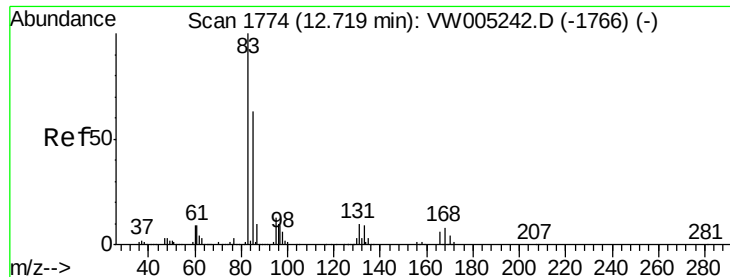
43 100

70 47.0 37.9 56.9

55 28.8 22.6 33.8

61 25.6 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.432 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

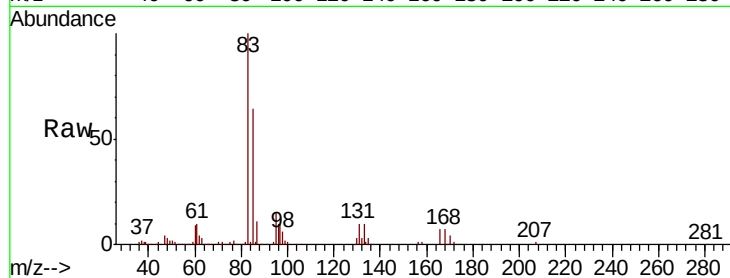
Tgt Ion: 83 Resp: 81366

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.4

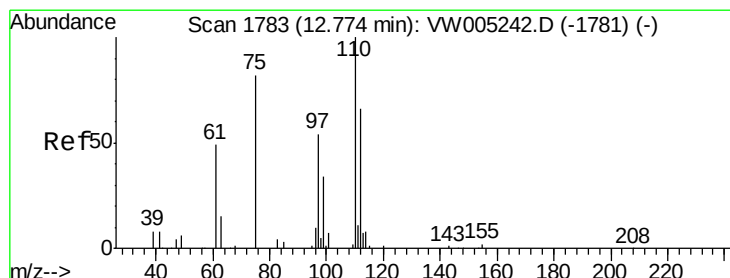
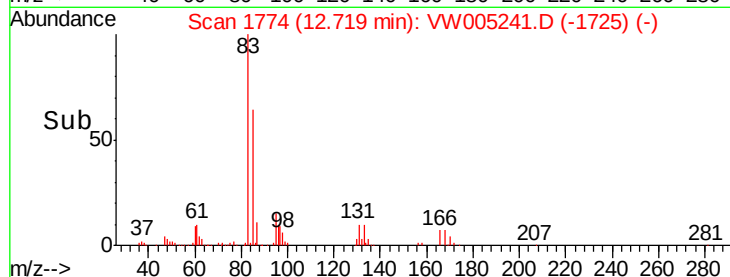
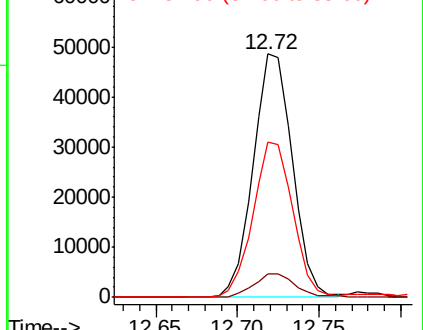
85 64.5 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 20.978 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005241.D

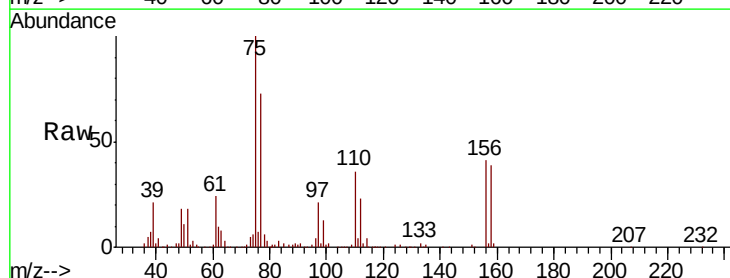
Acq: 10 Sep 2018 14:58

Tgt Ion: 75 Resp: 107445

Ion Ratio Lower Upper

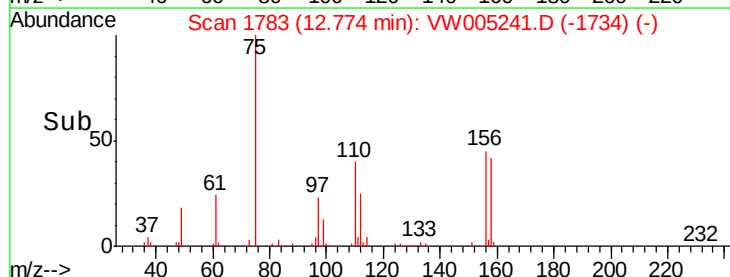
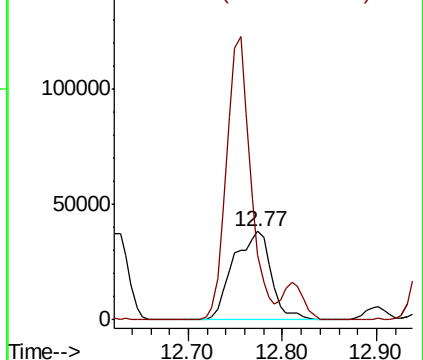
75 100

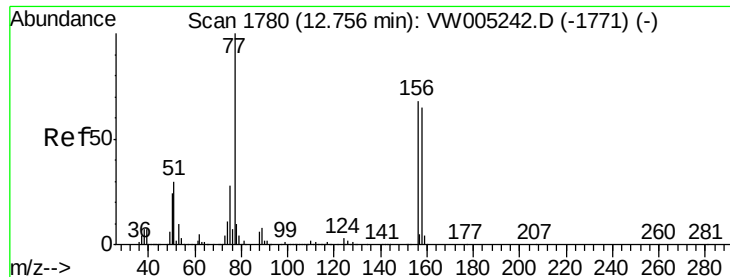
77 205.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.652 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

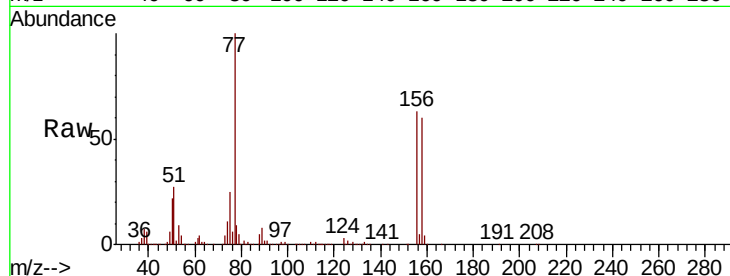
Tgt Ion:156 Resp: 128991

Ion Ratio Lower Upper

156 100

77 171.0 86.3 258.8

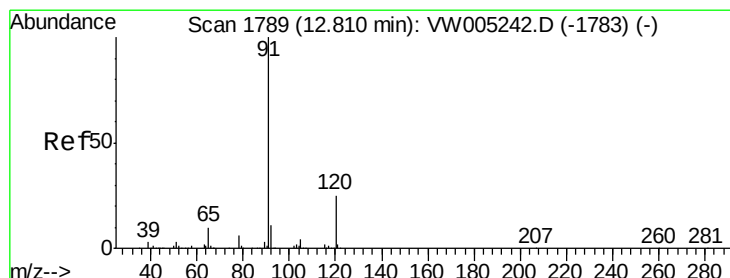
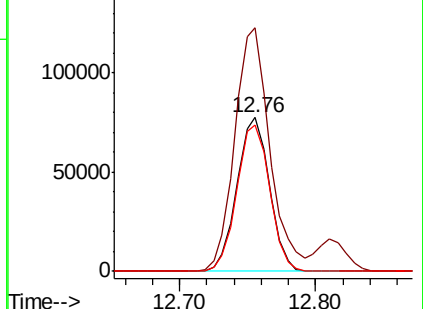
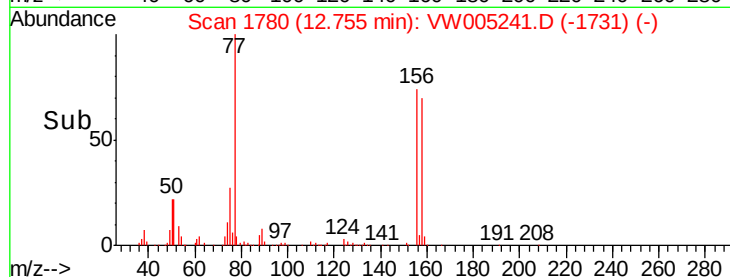
158 96.5 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.813 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005241.D

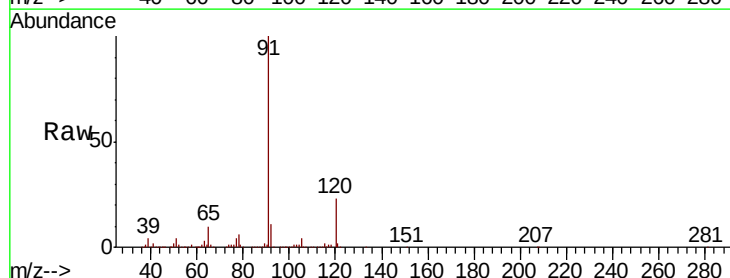
Acq: 10 Sep 2018 14:58

Tgt Ion: 91 Resp: 662959

Ion Ratio Lower Upper

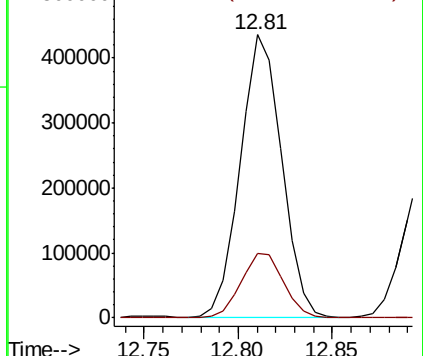
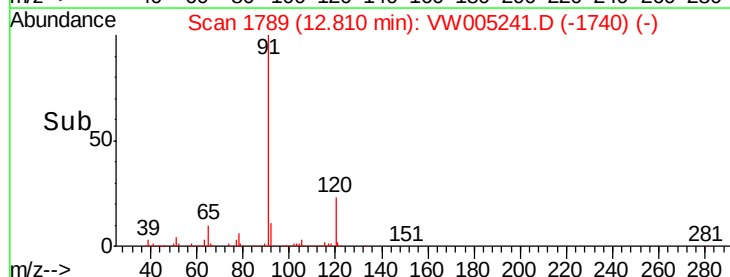
91 100

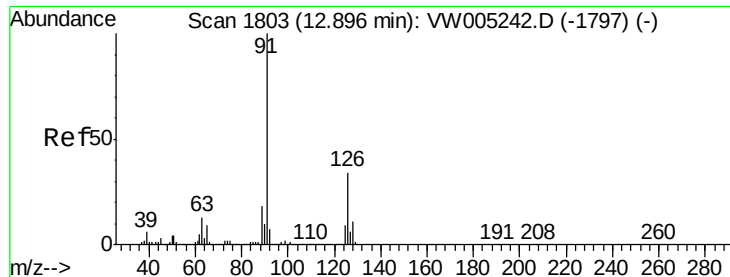
120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.610 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

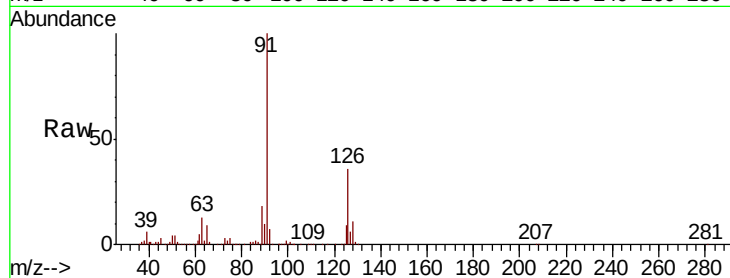
VSTDIC020

Tgt Ion: 91 Resp: 376291

Ion Ratio Lower Upper

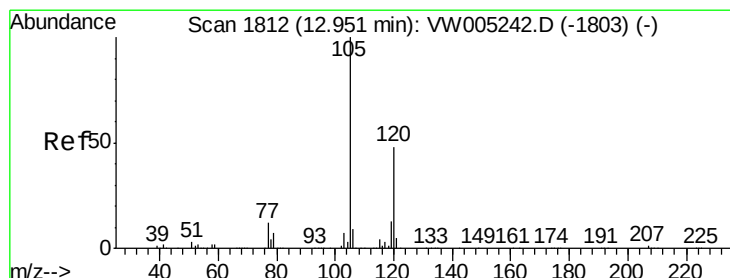
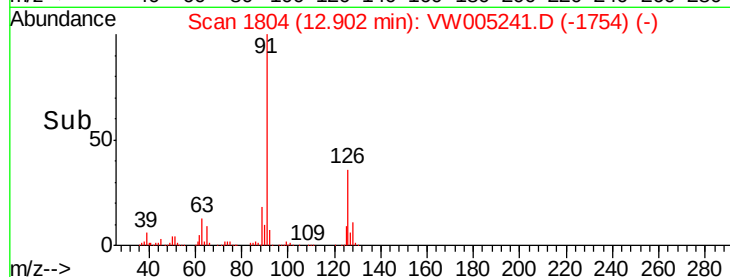
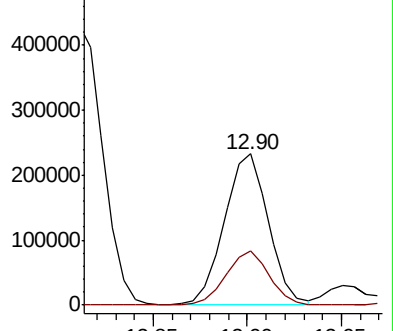
91 100

126 35.2 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.784 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005241.D

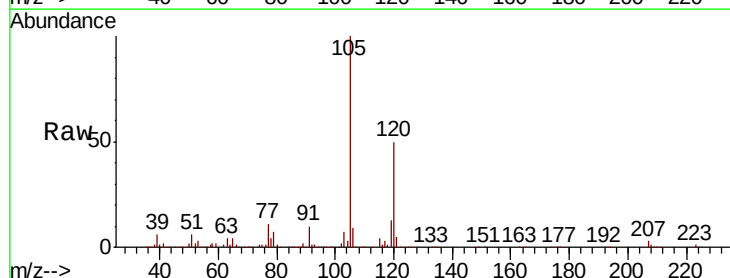
Acq: 10 Sep 2018 14:58

Tgt Ion: 105 Resp: 469368

Ion Ratio Lower Upper

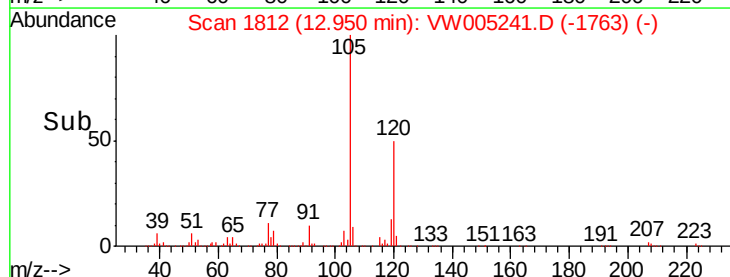
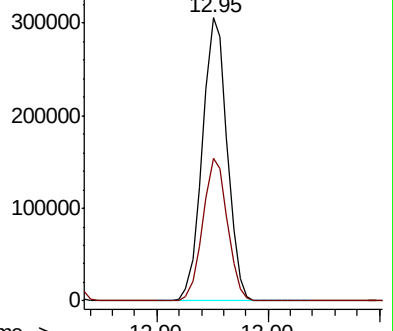
105 100

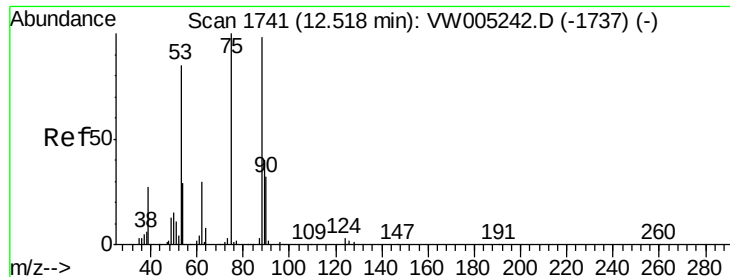
120 50.0 24.4 73.4



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: 18.196 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

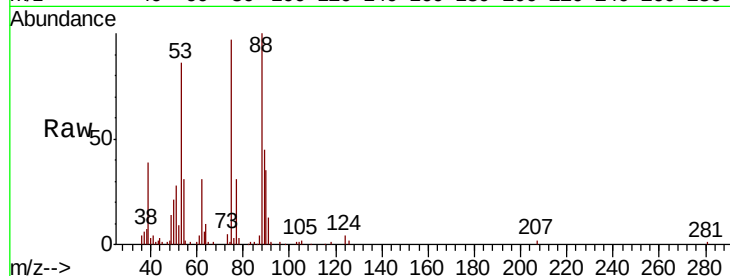
Tgt Ion: 75 Resp: 23532

Ion Ratio Lower Upper

75 100

53 88.7 67.0 100.6

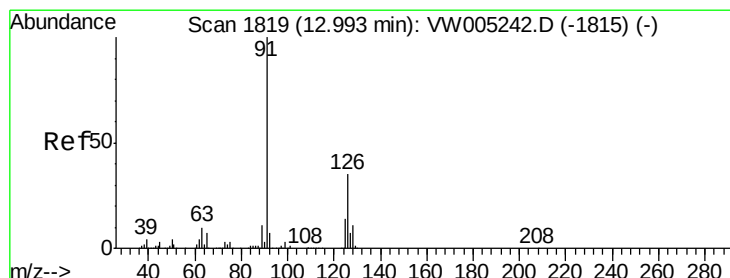
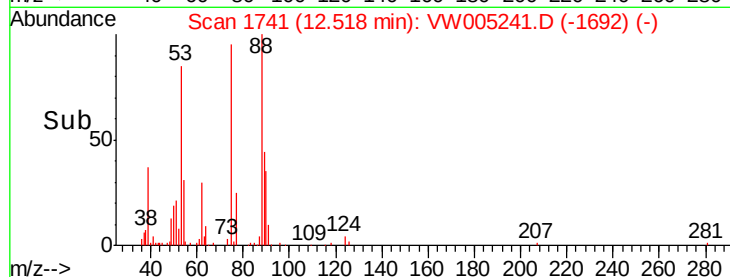
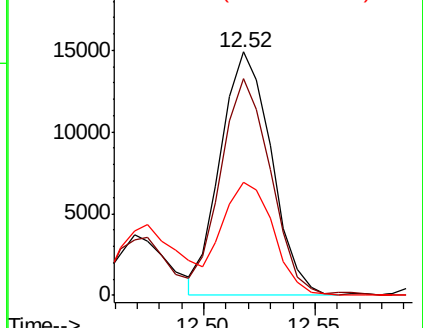
89 46.8 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 19.764 ug/l

RT: 13.00 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VW005241.D

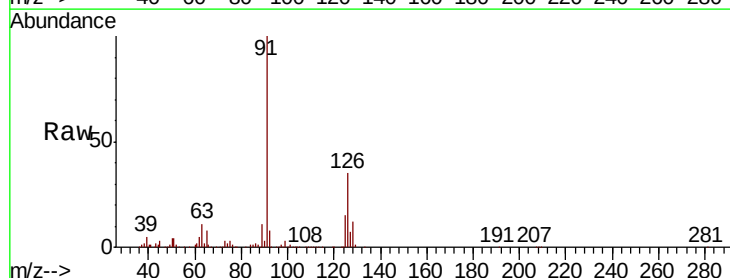
Acq: 10 Sep 2018 14:58

Tgt Ion: 91 Resp: 398631

Ion Ratio Lower Upper

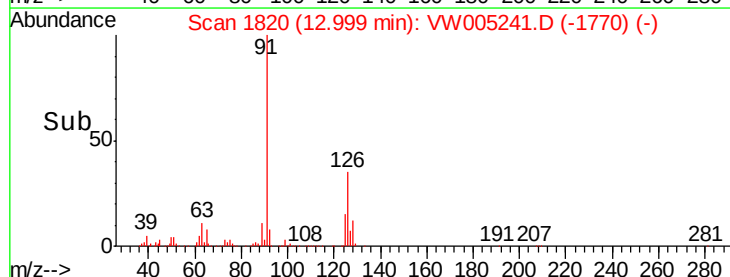
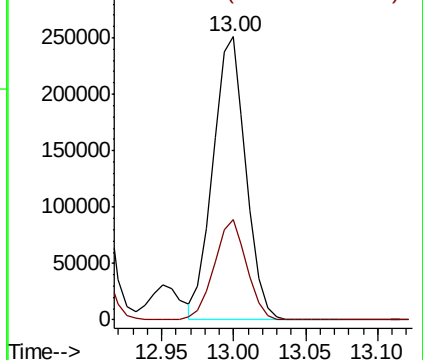
91 100

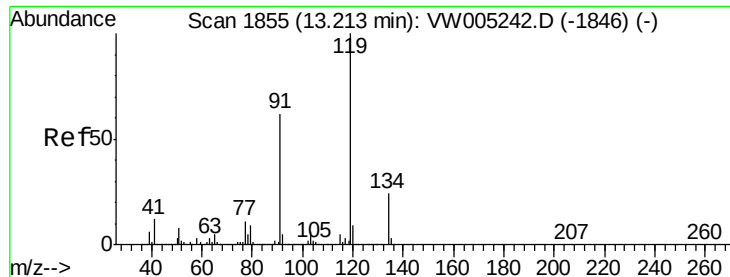
126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

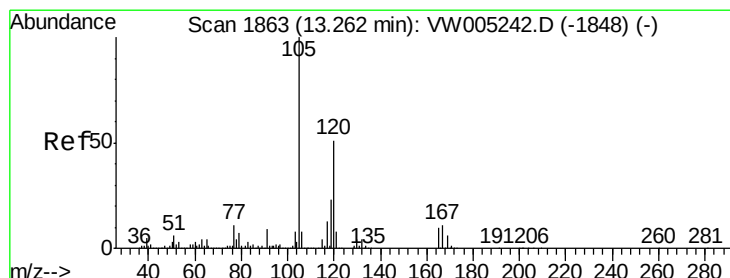
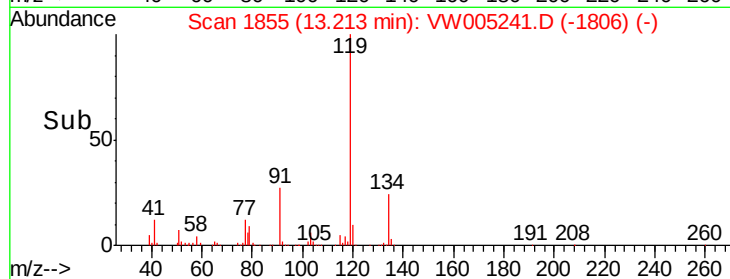
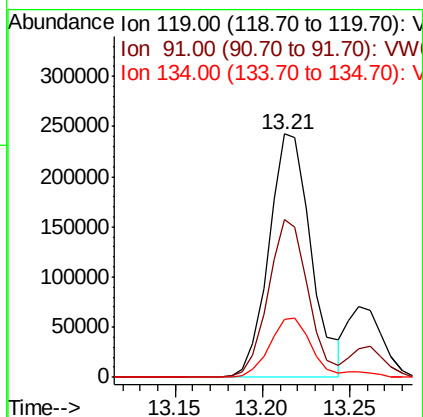
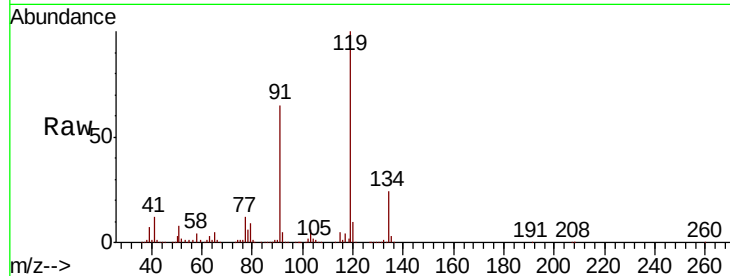




#83
 tert-Butylbenzene
 Concen: 19.734 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

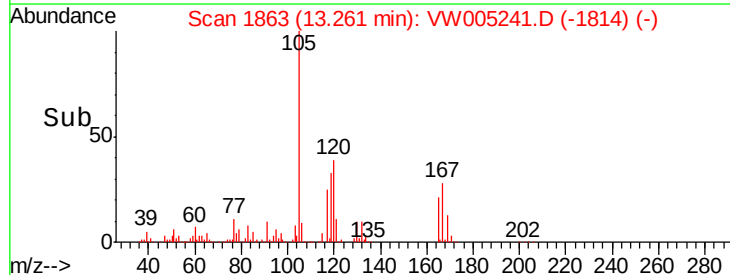
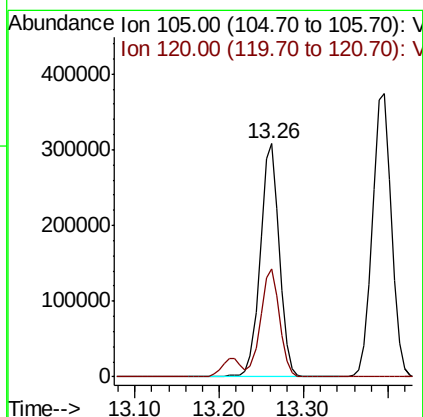
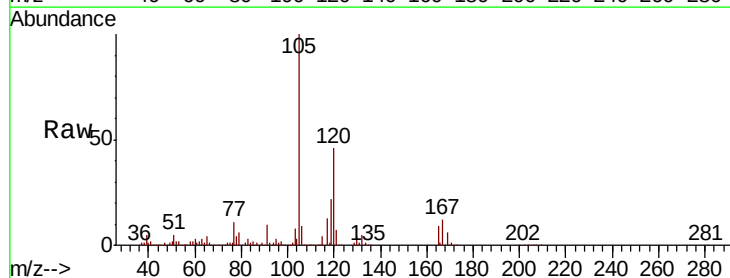
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

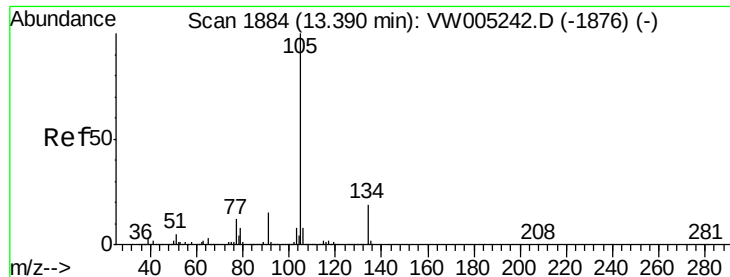
Tgt Ion:119 Resp: 409458
 Ion Ratio Lower Upper
 119 100
 91 61.4 31.7 95.1
 134 25.4 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.995 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion:105 Resp: 476699
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.720 ug/l

RT: 13.40 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

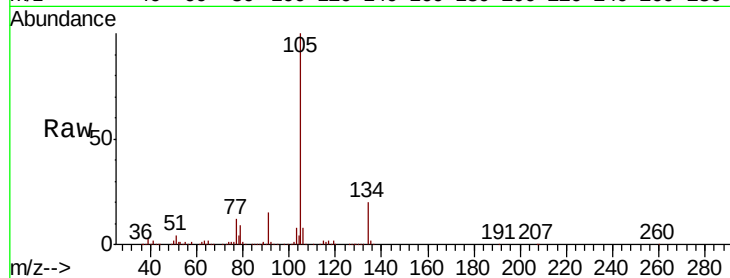
VSTDIC020

Tgt Ion:105 Resp: 588056

Ion Ratio Lower Upper

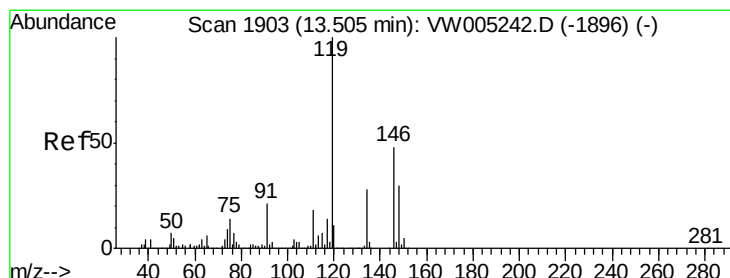
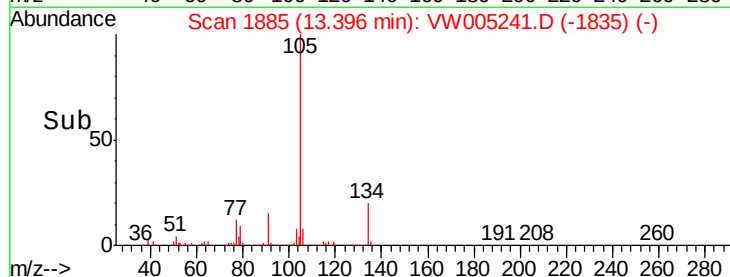
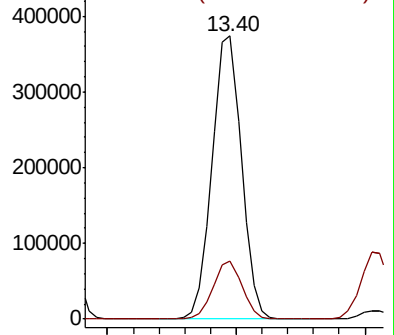
105 100

134 20.2 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.004 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

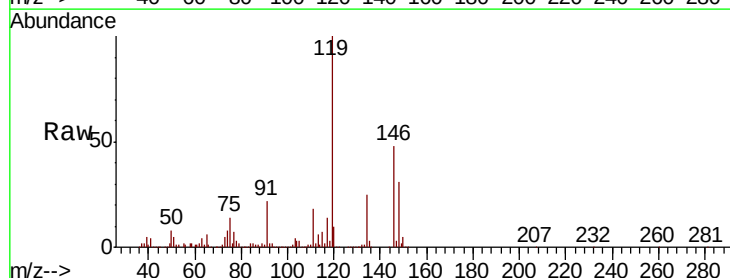
Tgt Ion:119 Resp: 528073

Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.5

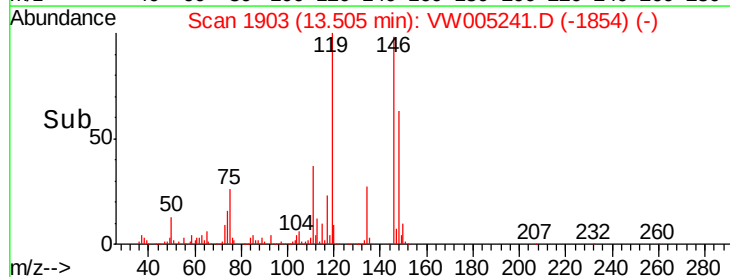
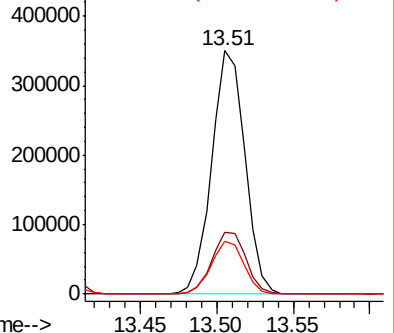
91 21.5 10.7 32.1

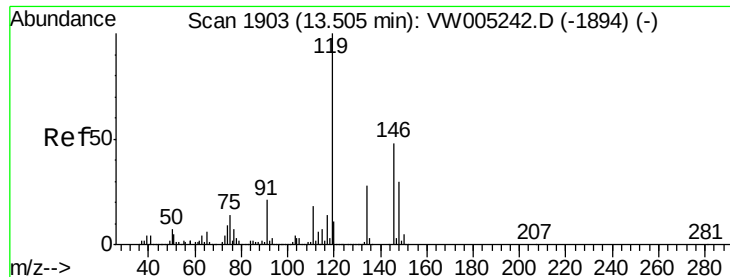


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.636 ug/l

RT: 13.51 min Scan# 1903

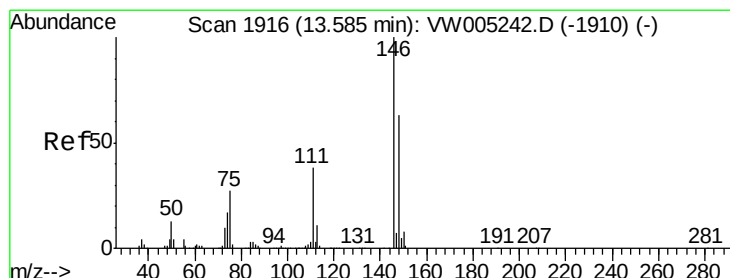
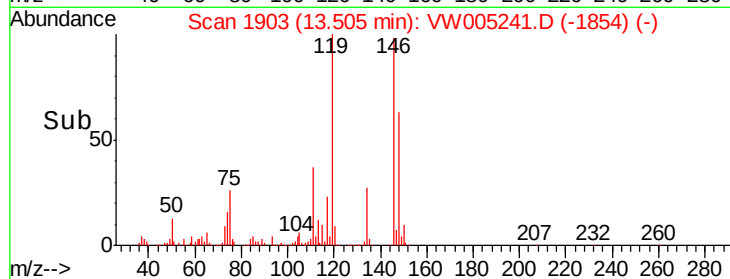
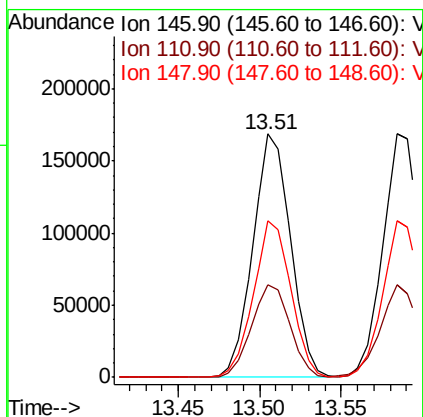
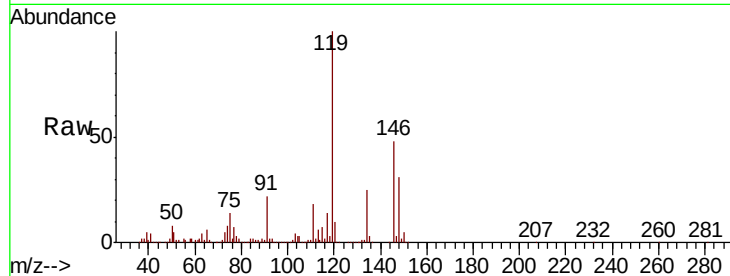
Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.8	56.3
148	63.9	31.6	94.8



#88

1,4-Dichlorobenzene

Concen: 19.855 ug/l

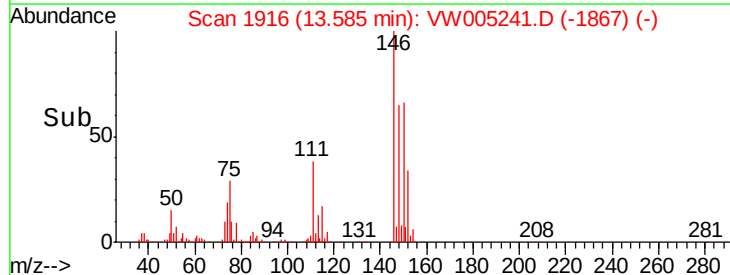
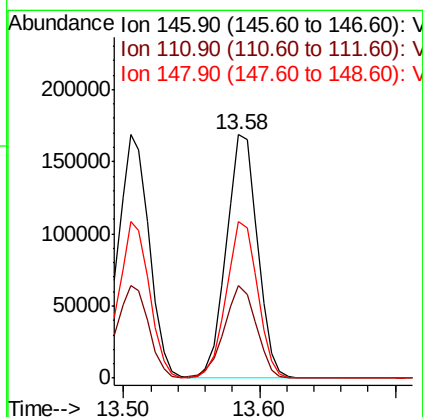
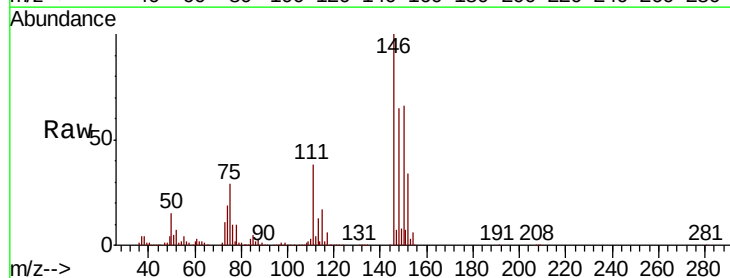
RT: 13.58 min Scan# 1916

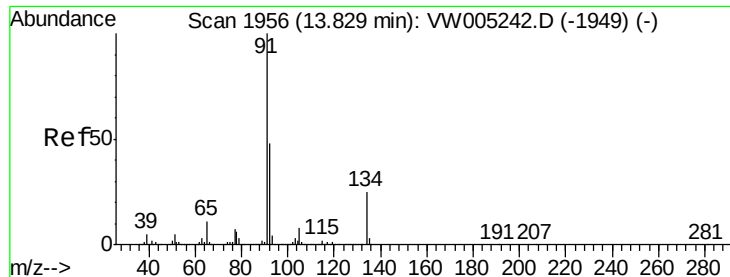
Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.1	57.3
148	64.5	32.3	96.9





#89

n-Butylbenzene

Concen: 19.474 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

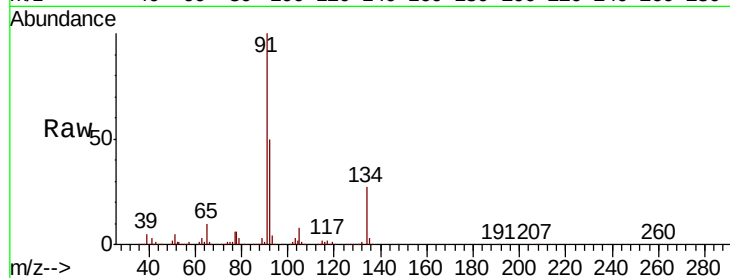
Tgt Ion: 91 Resp: 483251

Ion Ratio Lower Upper

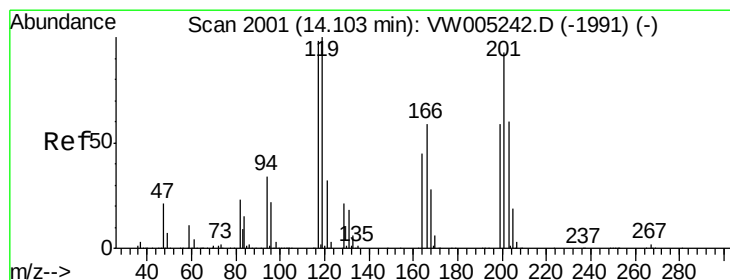
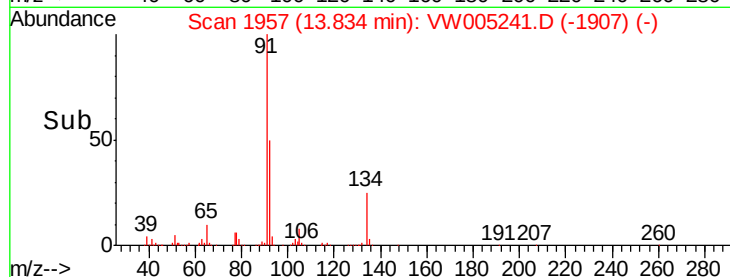
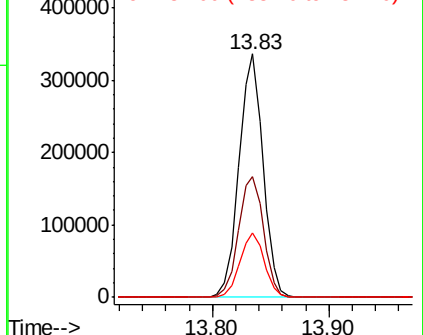
91 100

92 51.8 25.8 77.3

134 26.8 13.6 40.8



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: 19.114 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005241.D

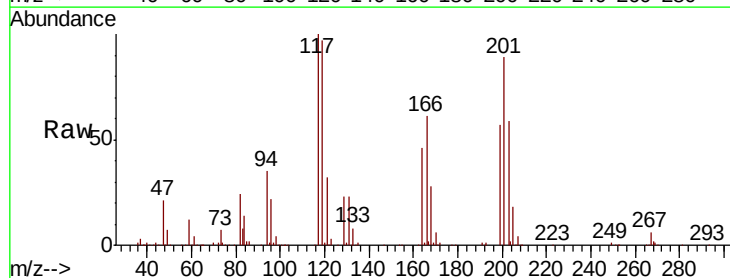
Acq: 10 Sep 2018 14:58

Tgt Ion: 117 Resp: 80842

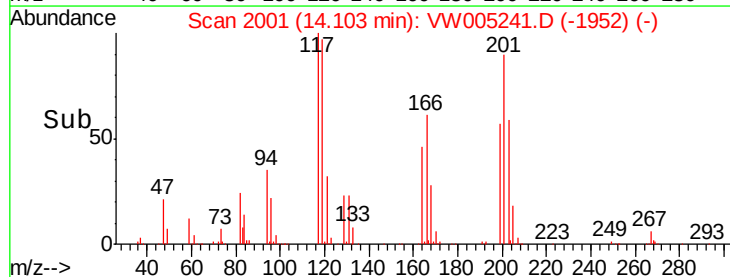
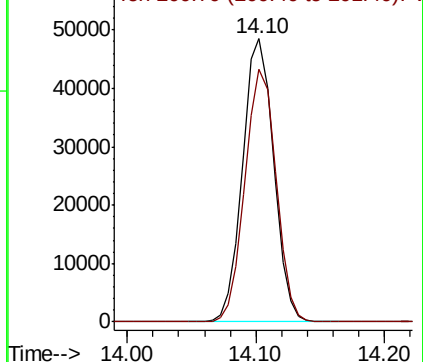
Ion Ratio Lower Upper

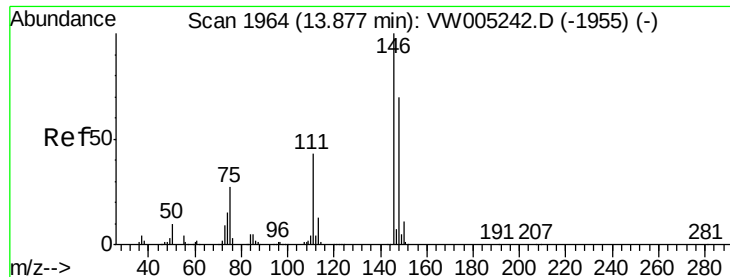
117 100

201 89.3 44.0 132.1



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

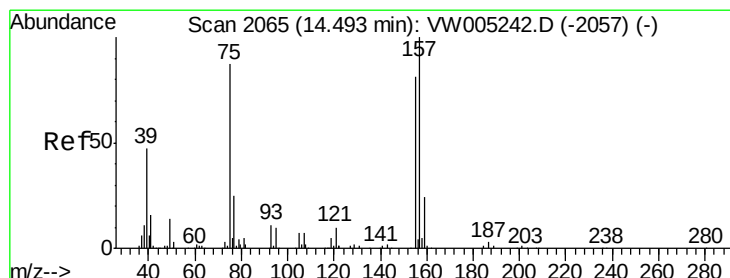
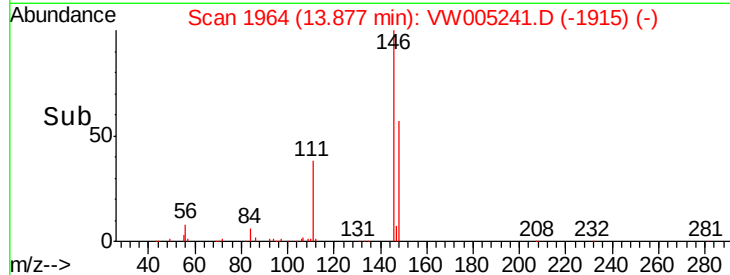
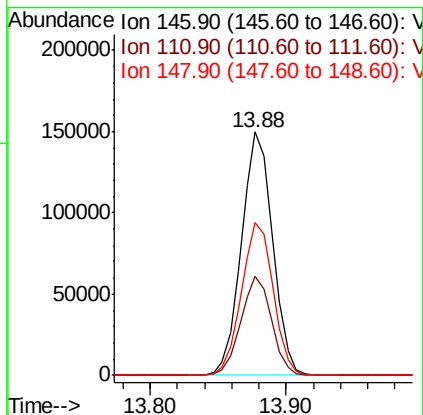
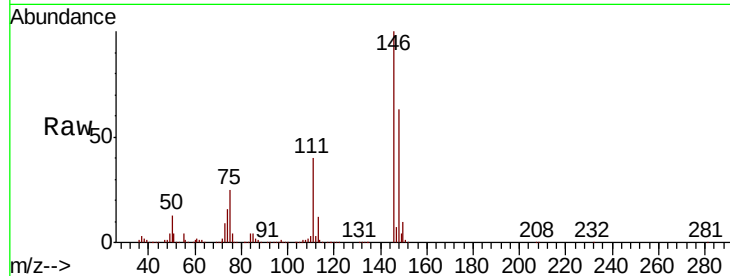




#91
 1,2-Dichlorobenzene
 Concen: 19.812 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

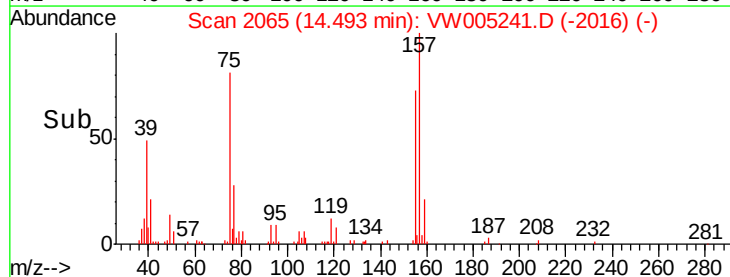
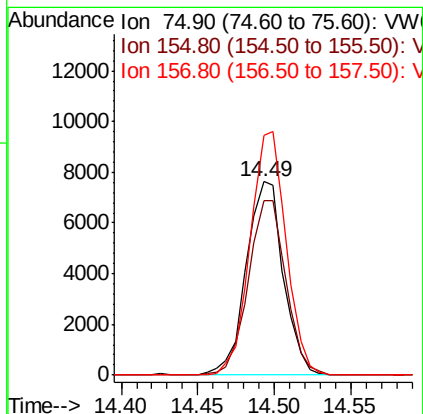
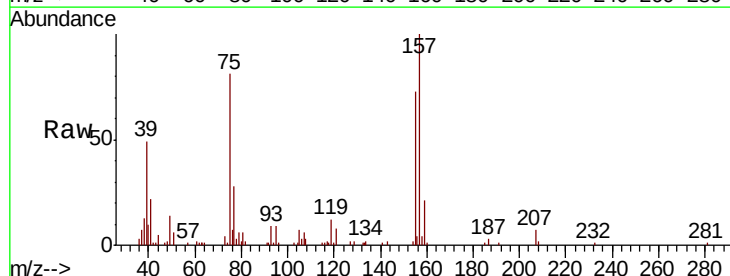
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

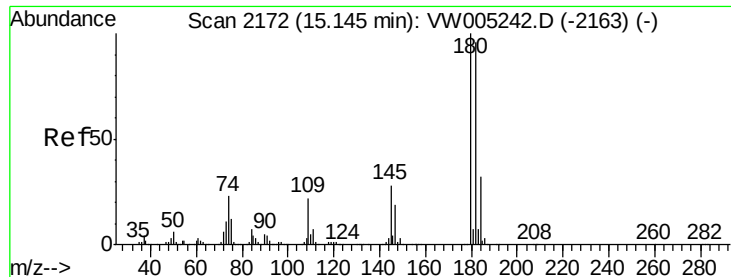
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.5	61.5
148	63.9	32.7	98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.554 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	47.4	142.2
157	121.5	59.4	178.2

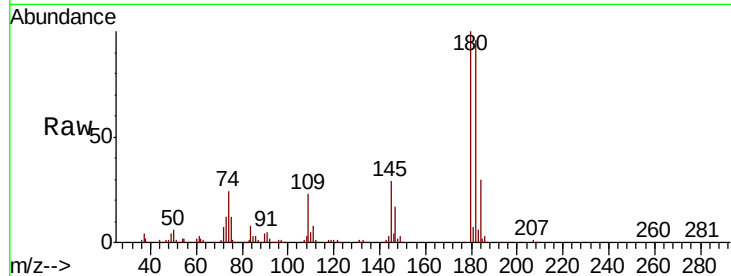




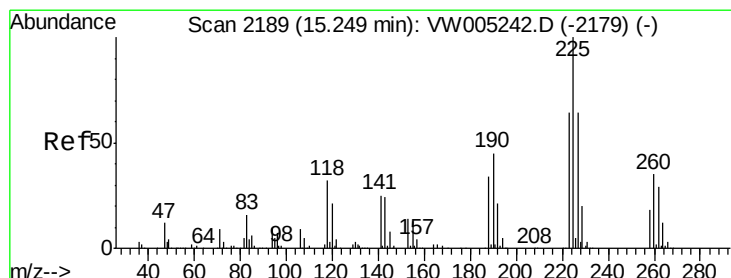
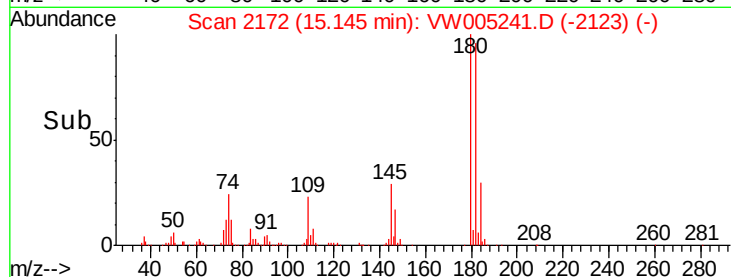
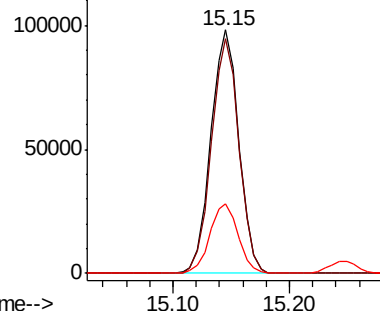
#93
 1,2,4-Trichlorobenzene
 Concen: 19.140 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.1	144.4
145	28.9	14.5	43.6

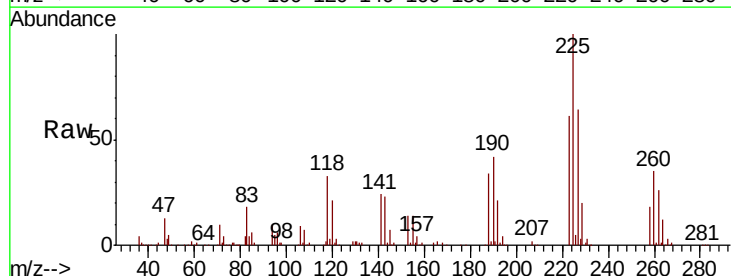


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

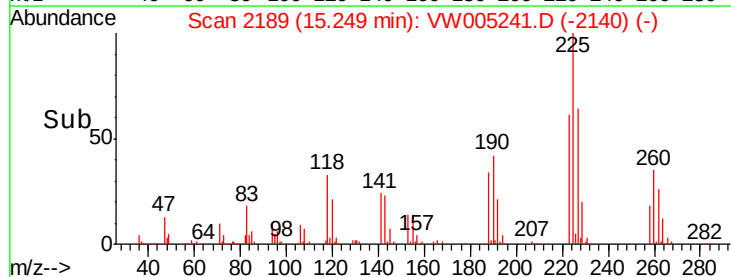
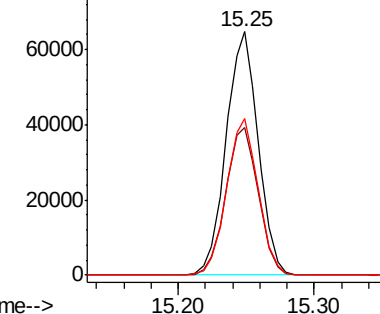


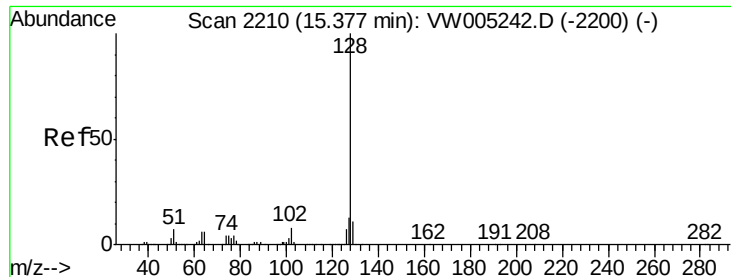
#94
 Hexachlorobutadiene
 Concen: 19.506 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.4	94.2
227	63.2	32.0	96.0



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

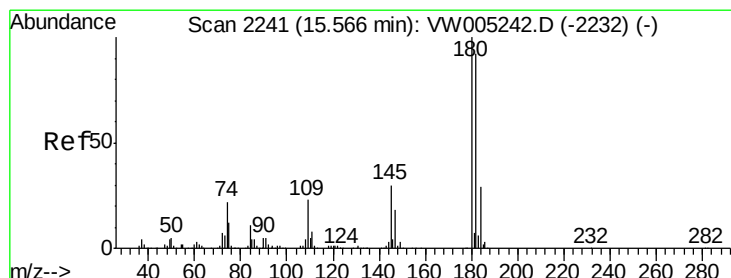
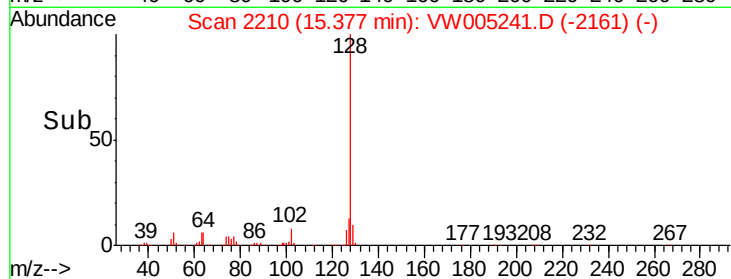
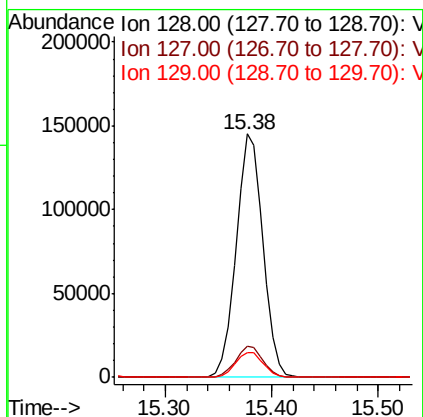
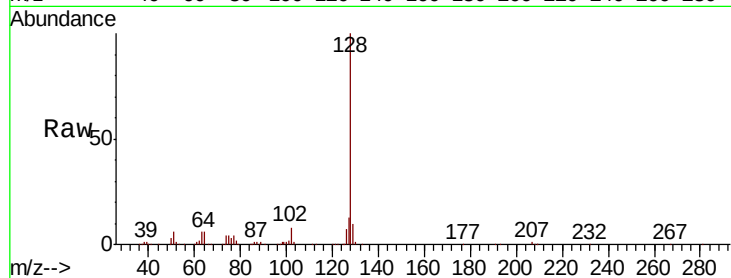




#95
Naphthalene
Concen: 18.415 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.298 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.2	141.6
145	30.4	15.2	45.6

