

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
 Data File : VW002374.D
 Acq On : 10 May 2018 12:37
 Operator : JC/SY
 Sample : VW0510SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBSD02

Quant Time: May 10 14:39:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	252848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	376604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	340711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	184501	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	122541	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
35) Dibromofluoromethane	7.88	113	116127	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	10.33	98	446528	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.63	95	161990	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	15699	16.43	ug/l	94
3) Chloromethane	2.21	50	36504	18.81	ug/l	95
4) Vinyl Chloride	2.36	62	57652	18.01	ug/l	97
5) Bromomethane	2.77	94	48278	18.76	ug/l	96
6) Chloroethane	2.92	64	39928	18.49	ug/l	94
7) Trichlorofluoromethane	3.25	101	28045	21.46	ug/l	95
8) Diethyl Ether	3.67	74	27096	18.52	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	45238	19.60	ug/l	99
10) Methyl Iodide	4.26	142	72212	19.28	ug/l	99
11) Tert butyl alcohol	5.18	59	20240	103.71	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	43703	19.10	ug/l	96
13) Acrolein	3.89	56	16545	101.25	ug/l	98
14) Allyl chloride	4.66	41	66784	19.86	ug/l	98
15) Acrylonitrile	5.37	53	57939	100.96	ug/l	98
16) Acetone	4.12	43	70149	133.77	ug/l	97
17) Carbon Disulfide	4.37	76	125217	18.82	ug/l	99
18) Methyl Acetate	4.67	43	28476	18.10	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	79355	19.83	ug/l	99
20) Methylene Chloride	4.90	84	46462	18.38	ug/l	99
21) trans-1,2-Dichloroethene	5.40	96	47854	19.37	ug/l	92
22) Diisopropyl ether	6.31	45	140994	19.12	ug/l	98
23) Vinyl Acetate	6.25	43	444039	100.58	ug/l	99
24) 1,1-Dichloroethane	6.21	63	83356	18.65	ug/l	98
25) 2-Butanone	7.17	43	84388	108.38	ug/l	98
26) 2,2-Dichloropropane	7.17	77	51155	22.96	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	53547	19.23	ug/l	99
28) Bromochloromethane	7.51	49	39092	19.33	ug/l #	97
29) Tetrahydrofuran	7.53	42	49824	97.56	ug/l	99
30) Chloroform	7.68	83	88348	18.88	ug/l	95
31) Cyclohexane	7.95	56	78215	19.60	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	69725	19.82	ug/l	100
36) 1,1-Dichloropropene	8.08	75	70290	20.64	ug/l	100
37) Ethyl Acetate	7.26	43	35492	21.38	ug/l	99
38) Carbon Tetrachloride	8.07	117	66637	20.23	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	82058	20.64	ug/l	96
40) Benzene	8.32	78	196210	19.71	ug/l	99
41) Methacrylonitrile	7.49	41	20682	21.74	ug/l	96
42) 1,2-Dichloroethane	8.40	62	60977	19.64	ug/l	100
43) Isopropyl Acetate	8.43	43	65565	20.82	ug/l	99
44) Trichloroethene	9.09	130	54064	19.92	ug/l	98
45) 1,2-Dichloropropane	9.37	63	48870	19.59	ug/l	98
46) Dibromomethane	9.46	93	28054	20.12	ug/l	99
47) Bromodichloromethane	9.65	83	62273	18.92	ug/l	99
48) Methyl methacrylate	9.44	41	30223	19.77	ug/l	98
49) 1,4-Dioxane	9.45	88	8865	400.22	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	174122	100.24	ug/l	100
52) Toluene	10.39	92	125576	19.86	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	64523	19.94	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	72767	19.67	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	38448	19.58	ug/l	98
56) Ethyl methacrylate	10.65	69	48377	19.93	ug/l	98
57) 1,3-Dichloropropane	10.94	76	67399	20.19	ug/l	98
59) 2-Hexanone	10.98	43	131112	110.34	ug/l	99
60) Dibromochloromethane	11.13	129	45021	19.43	ug/l	99
61) 1,2-Dibromoethane	11.24	107	39004	20.32	ug/l	99
64) Tetrachloroethene	10.87	164	47501	18.11	ug/l	98
65) Chlorobenzene	11.66	112	142126	20.41	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	49000	19.75	ug/l	100
67) Ethyl Benzene	11.74	91	245444	20.51	ug/l	100
68) m/p-Xylenes	11.85	106	191938	41.57	ug/l	98
69) o-Xylene	12.18	106	88431	20.14	ug/l	100
70) Styrene	12.19	104	147293	20.20	ug/l	99
71) Bromoform	12.35	173	28713	20.18	ug/l #	99
73) Isopropylbenzene	12.48	105	245103	20.45	ug/l	99
74) N-amyl acetate	12.28	43	61641	20.55	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	48126	20.78	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	36378m	22.23	ug/l	
77) Bromobenzene	12.76	156	60472	20.02	ug/l	98
78) n-propylbenzene	12.82	91	299594	21.09	ug/l	100
79) 2-Chlorotoluene	12.90	91	165384	20.22	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	208934	20.73	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	13437	21.63	ug/l	93
82) 4-Chlorotoluene	13.00	91	179634	20.65	ug/l	100
83) tert-Butylbenzene	13.22	119	182417	21.02	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	216203	20.69	ug/l	99
85) sec-Butylbenzene	13.40	105	260100	20.99	ug/l	100
86) p-Isopropyltoluene	13.51	119	232211	20.96	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	122723	20.52	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	122728	20.56	ug/l	98
89) n-Butylbenzene	13.83	91	221526	21.37	ug/l	99
90) Hexachloroethane	14.10	117	39782	20.08	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	111945	20.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	8655	21.61	ug/l	99
93) 1,2,4-Trichlorobenzene	15.15	180	83787	21.60	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue May 08 03:57:58 2018
Response via : Initial Calibration

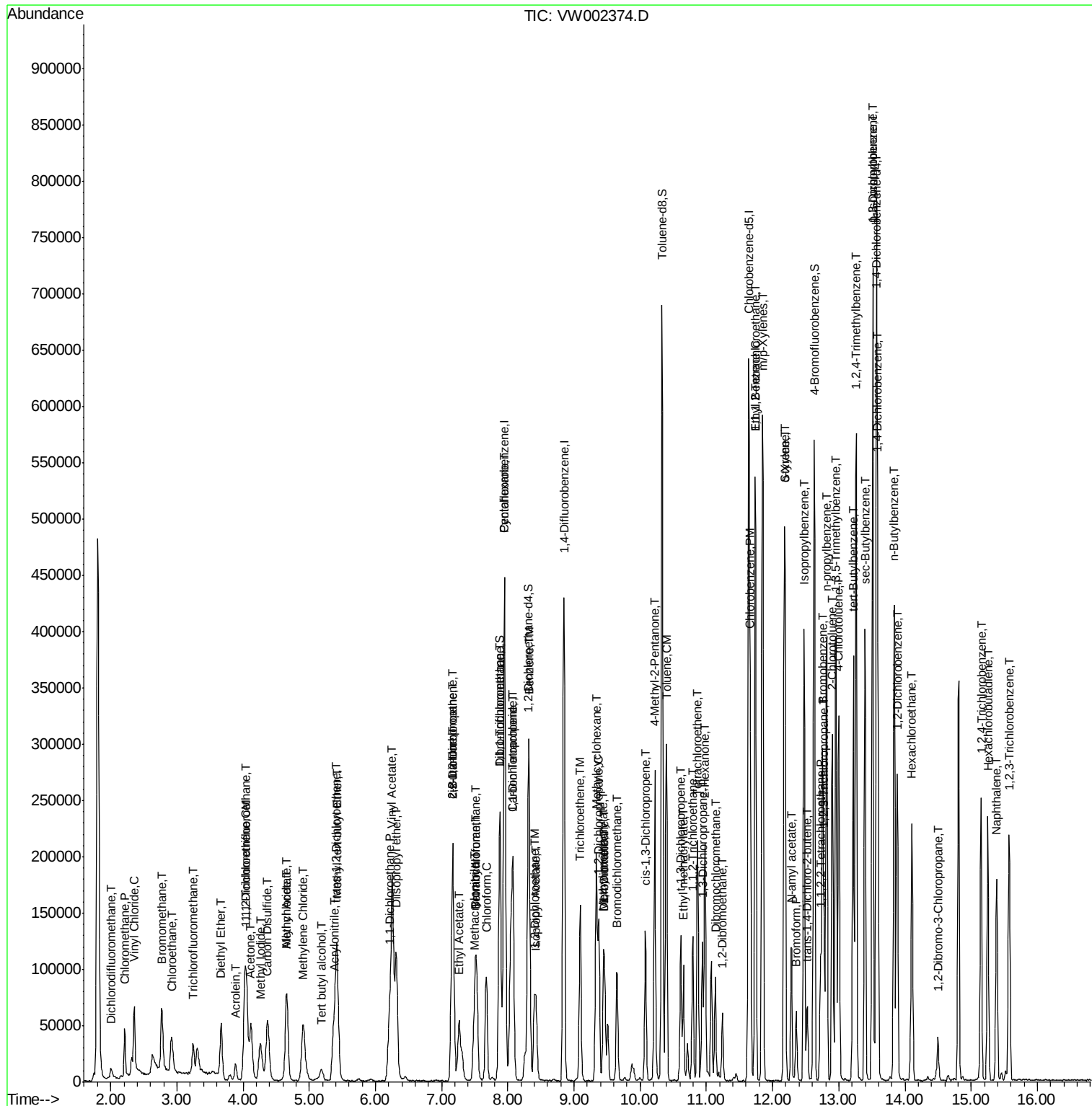
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.26	225	46378	21.47	ug/l	99
95) Naphthalene	15.38	128	151333	21.22	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	73872	21.24	ug/l	99

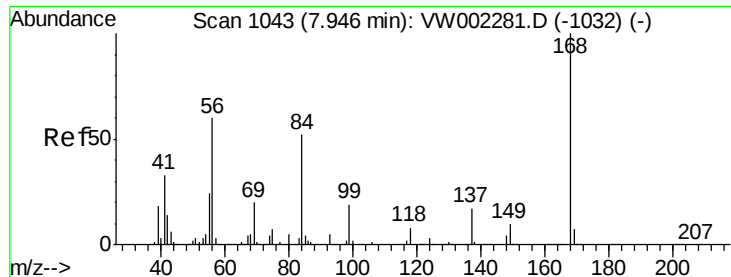
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

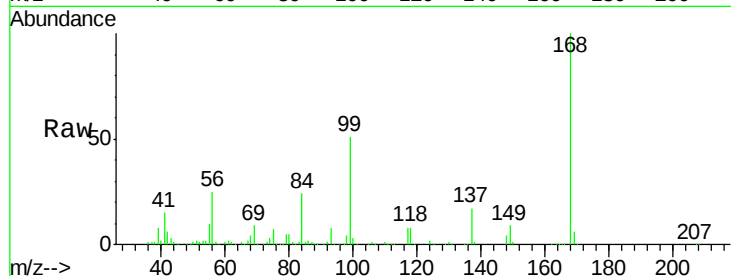
VW0510SBSD02

Tot Ion:168 Resp: 252848

Ion Ratio Lower Upper

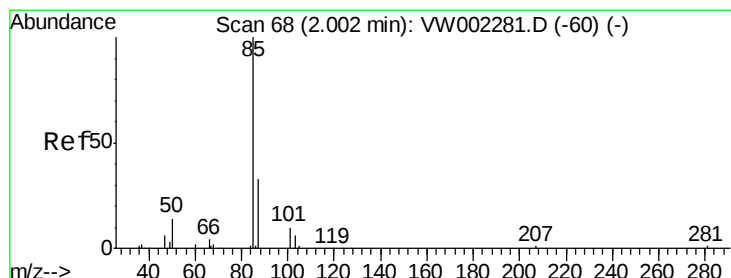
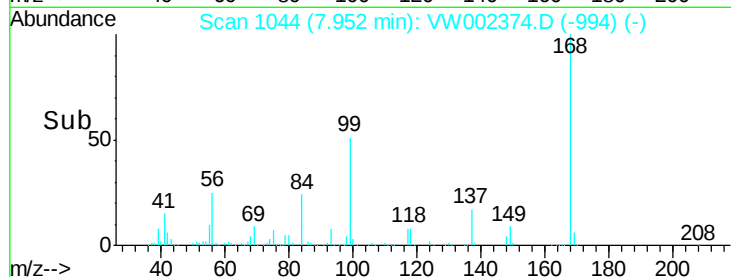
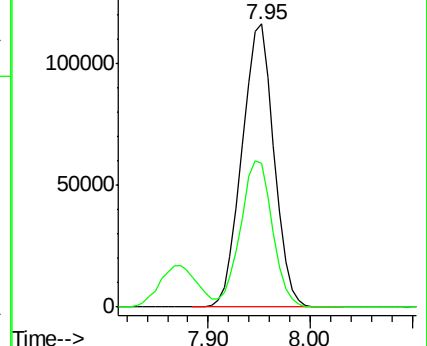
168 100

99 50.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 16.43 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW002374.D

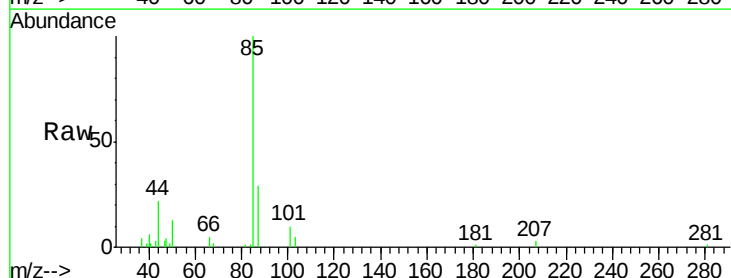
Acq: 10 May 2018 12:37

Tgt Ion: 85 Resp: 15699

Ion Ratio Lower Upper

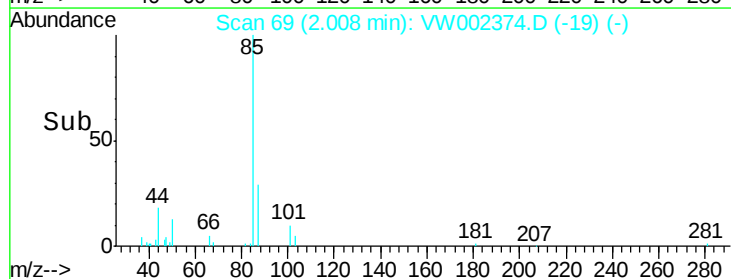
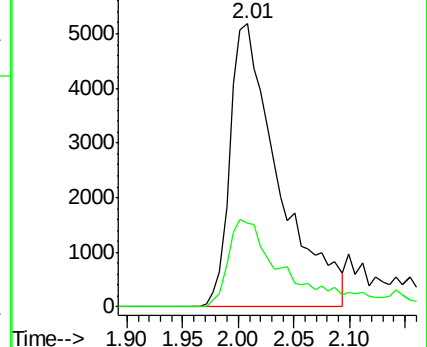
85 100

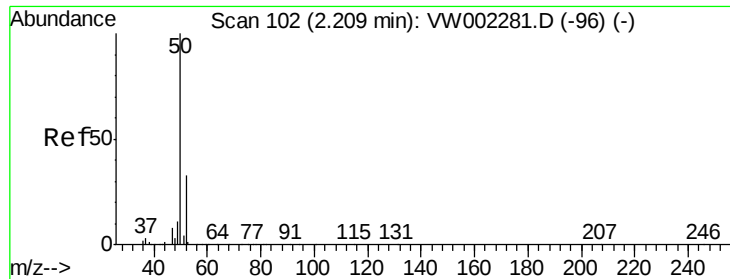
87 29.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.81 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

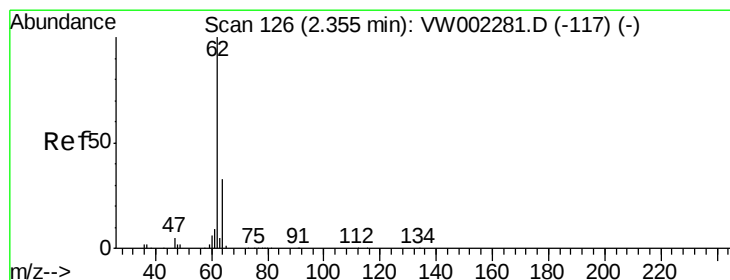
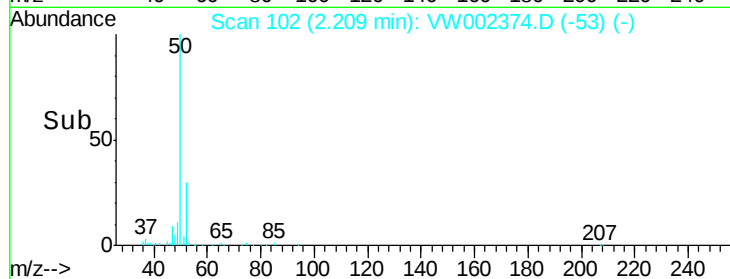
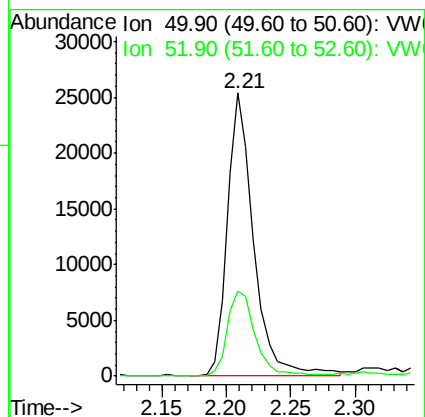
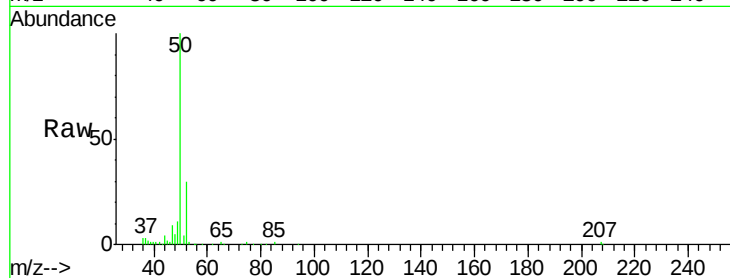
VW0510SBSD02

Tot Ion: 50 Resp: 36504

Ion Ratio Lower Upper

50 100

52 30.1 26.5 39.7



#4

Vinyl Chloride

Concen: 18.01 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002374.D

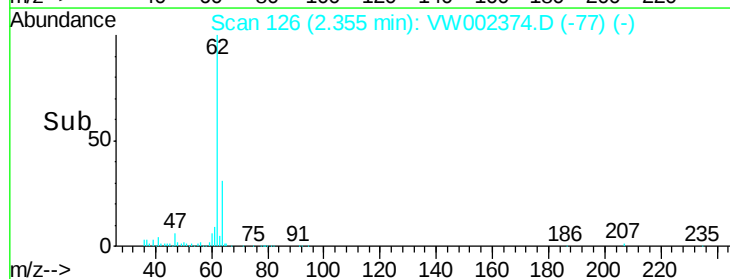
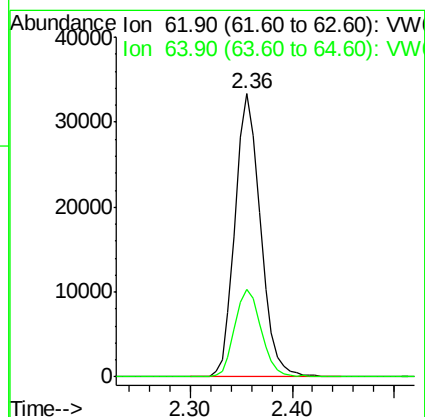
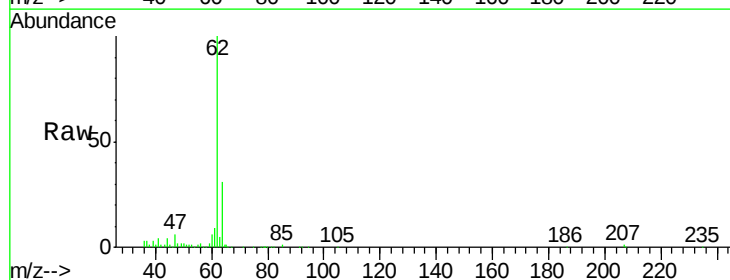
Acq: 10 May 2018 12:37

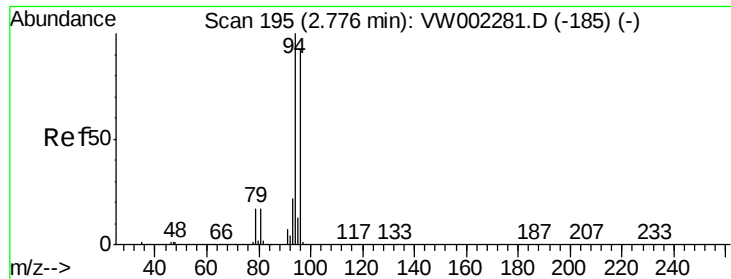
Tgt Ion: 62 Resp: 57652

Ion Ratio Lower Upper

62 100

64 31.1 26.1 39.1





#5

Bromomethane

Concen: 18.76 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

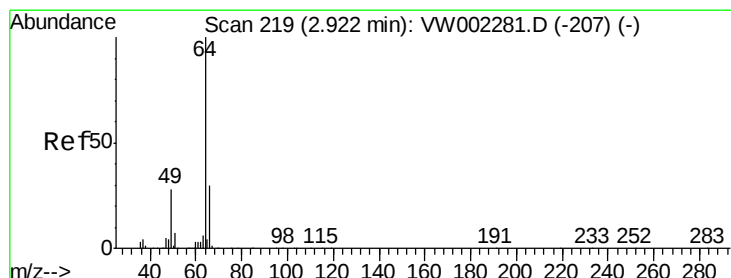
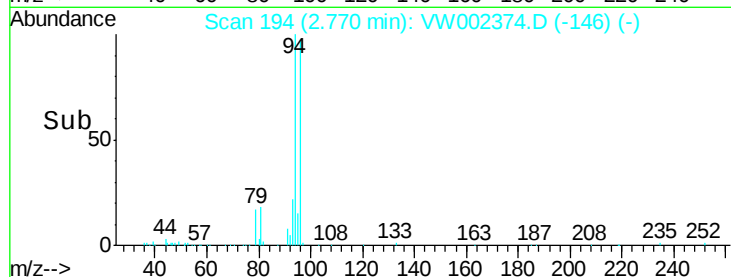
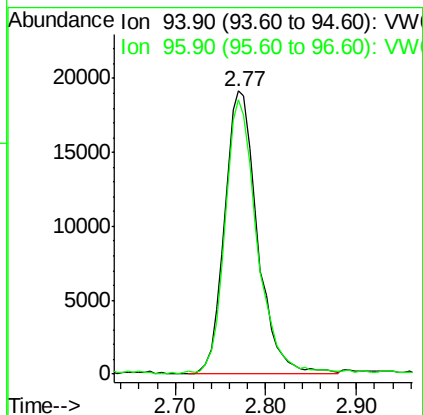
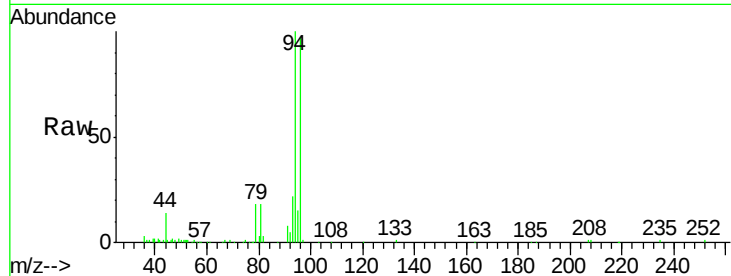
VW0510SBSD02

Tot Ion: 94 Resp: 48278

Ion Ratio Lower Upper

94 100

96 95.8 73.6 110.4



#6

Chloroethane

Concen: 18.49 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW002374.D

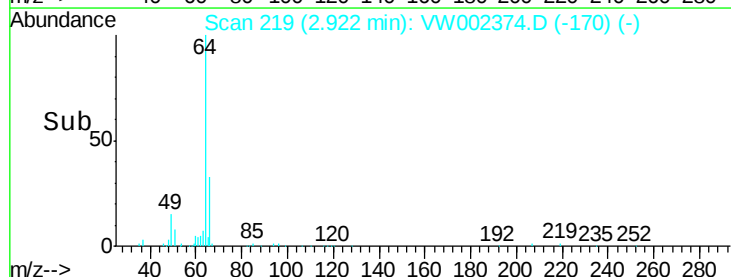
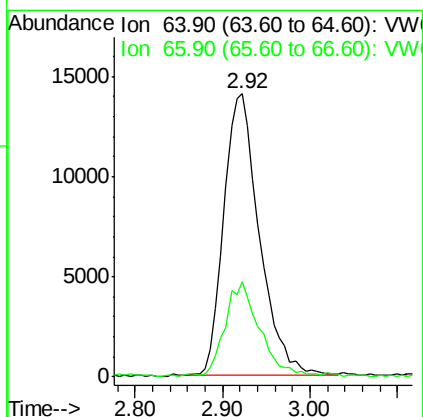
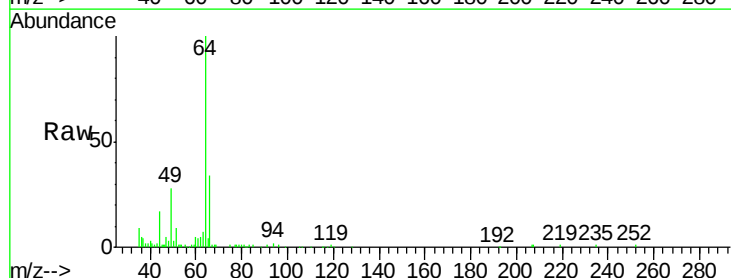
Acq: 10 May 2018 12:37

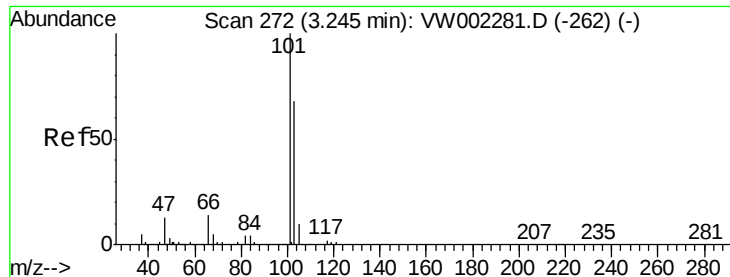
Tgt Ion: 64 Resp: 39928

Ion Ratio Lower Upper

64 100

66 32.9 23.8 35.6



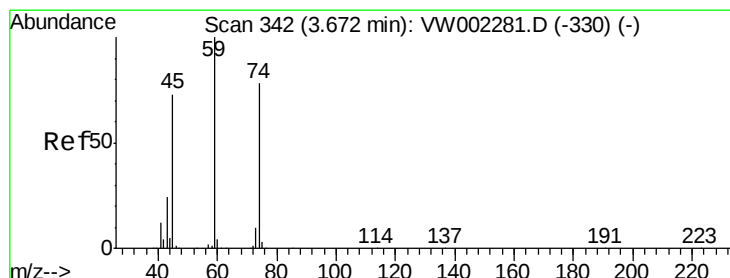
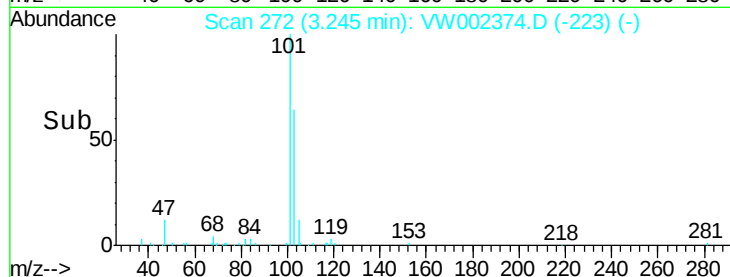
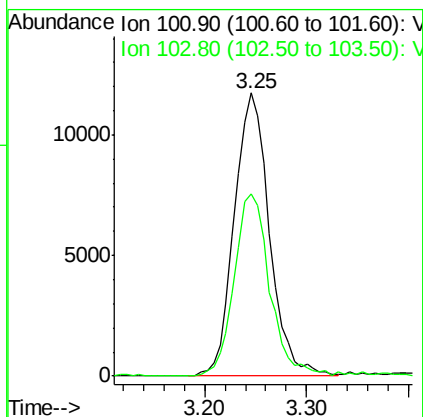
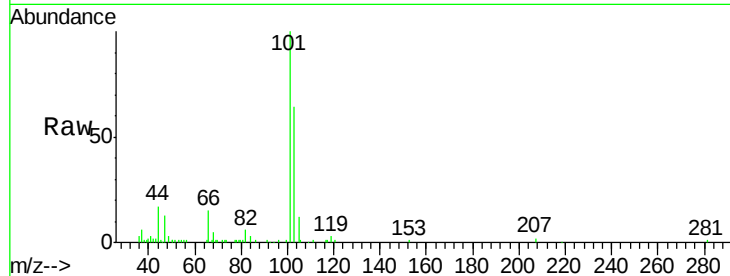


#7

Trichlorofluoromethane
 Concen: 21.46 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Instrument :
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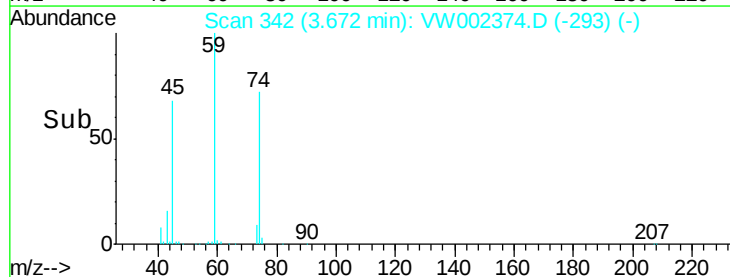
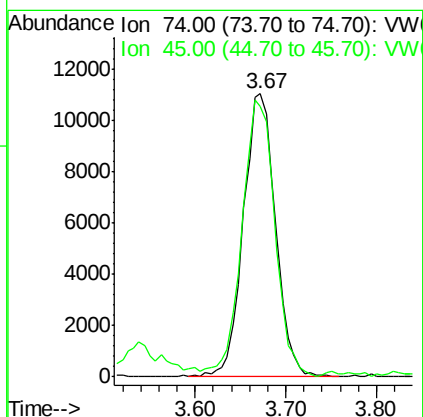
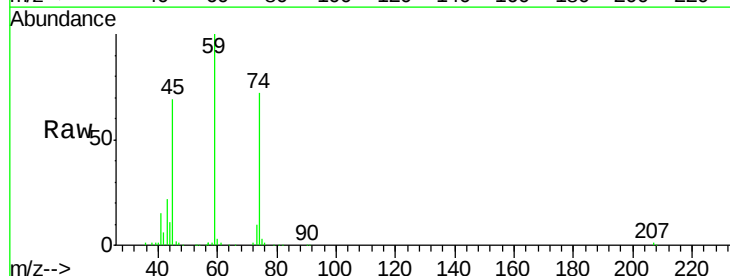
Tot Ion:101 Resp: 28045
 Ion Ratio Lower Upper
 101 100
 103 64.4 54.6 82.0

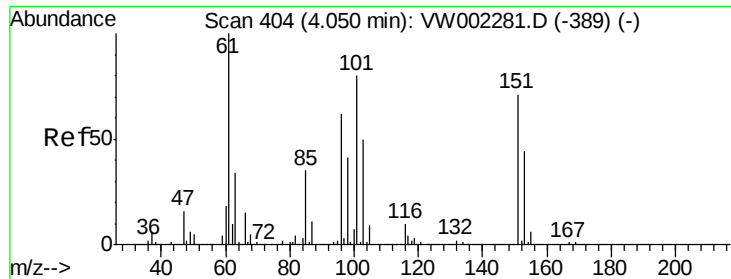


#8

Diethyl Ether
 Concen: 18.52 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Tgt Ion: 74 Resp: 27096
 Ion Ratio Lower Upper
 74 100
 45 100.7 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.60 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

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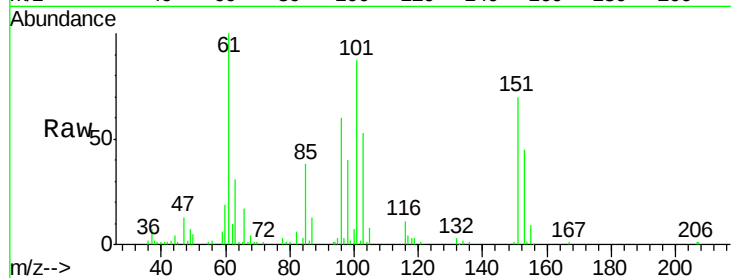
Tot Ion:101 Resp: 45238

Ion Ratio Lower Upper

101 100

85 46.3 35.9 53.9

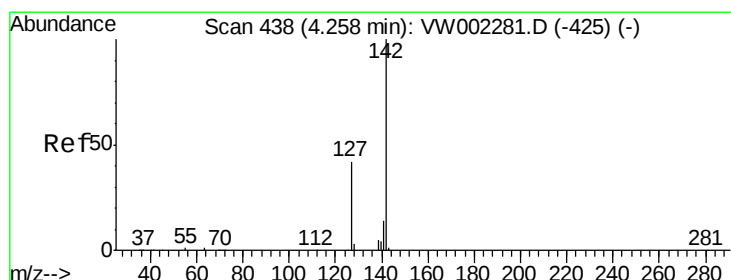
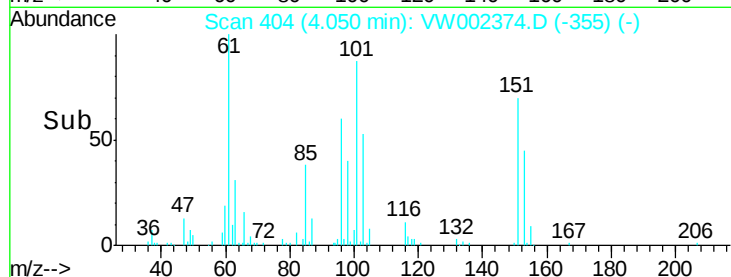
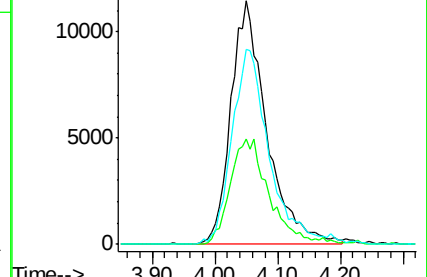
151 82.4 65.4 98.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.28 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

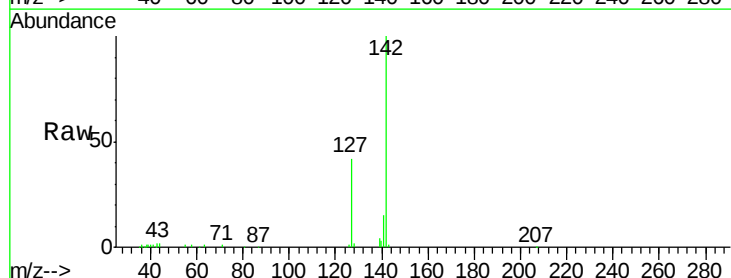
Tgt Ion:142 Resp: 72212

Ion Ratio Lower Upper

142 100

127 42.9 34.7 52.1

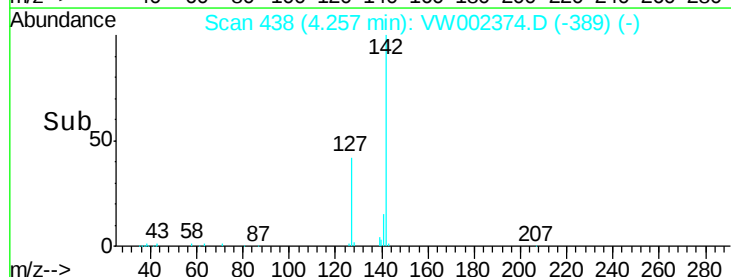
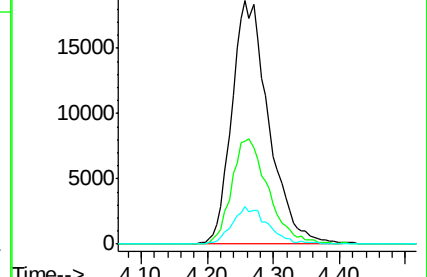
141 14.3 11.9 17.9

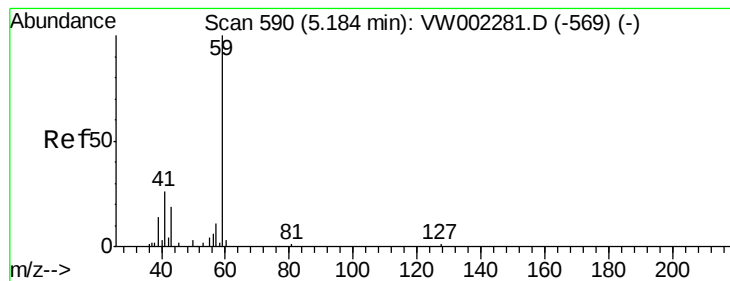


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



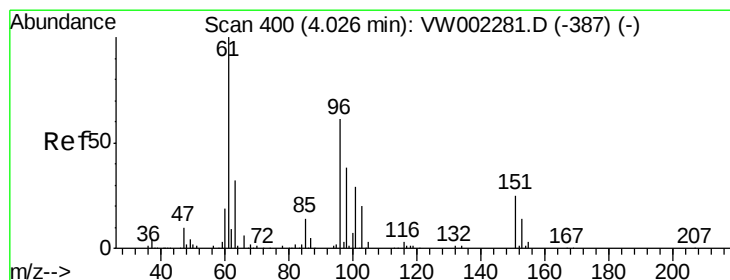
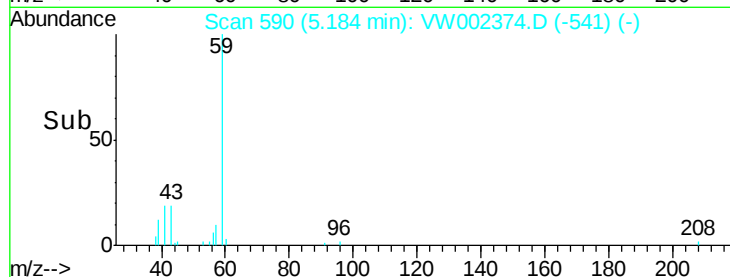
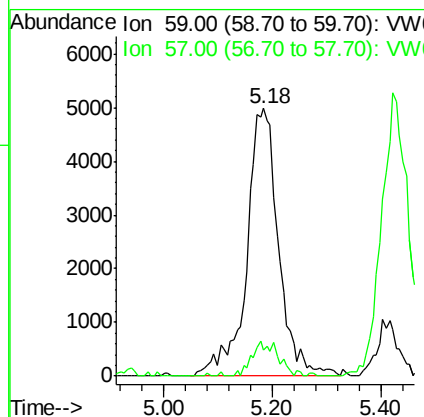
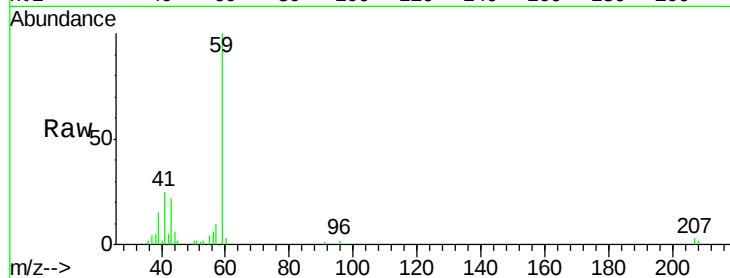


#11

Tert butyl alcohol
 Concen: 103.71 ug/l
 RT: 5.18 min Scan# 590
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBSD02

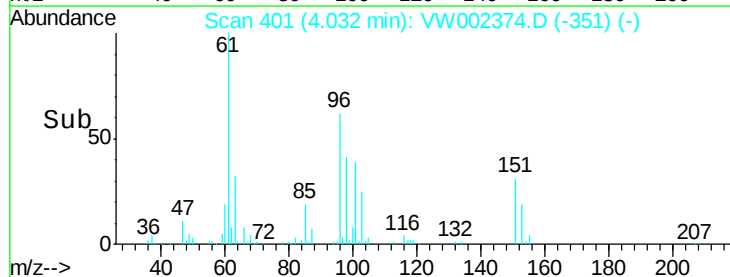
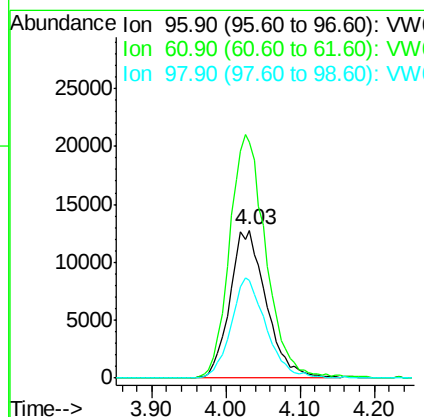
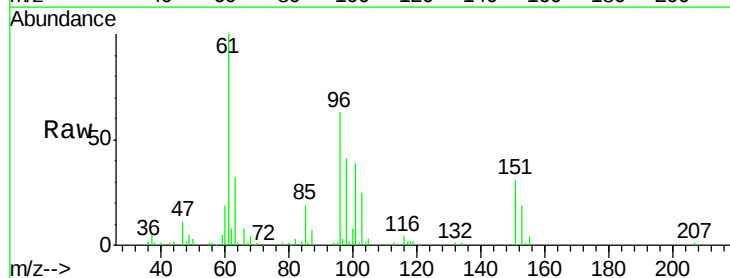
Tot Ion: 59 Resp: 20240
 Ion Ratio Lower Upper
 59 100
 57 10.3 3.9 5.9#

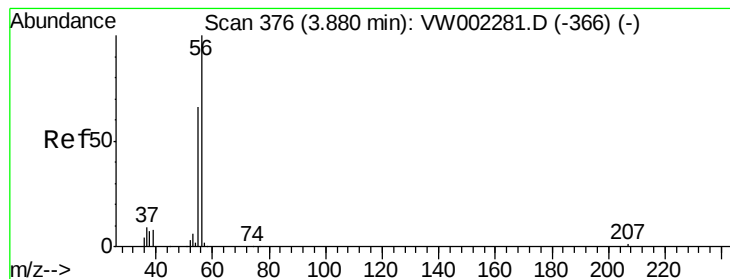


#12

1,1-Dichloroethene
 Concen: 19.10 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Tgt Ion: 96 Resp: 43703
 Ion Ratio Lower Upper
 96 100
 61 159.8 130.6 196.0
 98 65.9 49.0 73.4





#13

Acrolein

Concen: 101.25 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

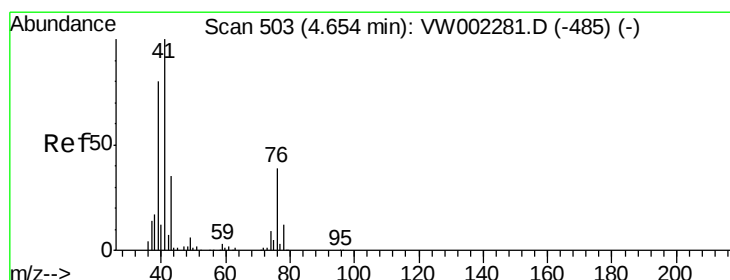
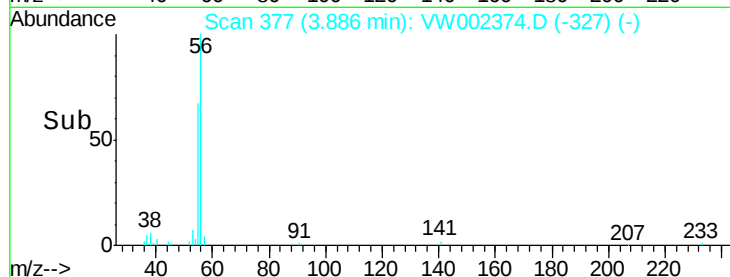
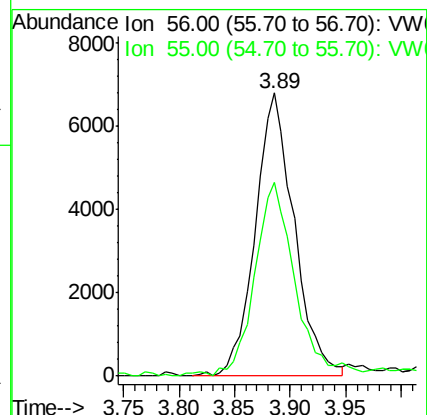
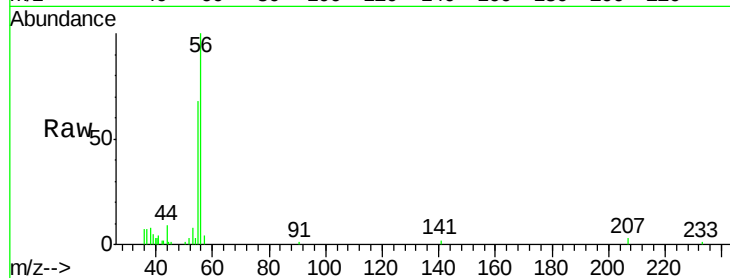
VW0510SBSD02

Tot Ion: 56 Resp: 16545

Ion Ratio Lower Upper

56 100

55 70.3 57.3 85.9



#14

Allyl chloride

Concen: 19.86 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

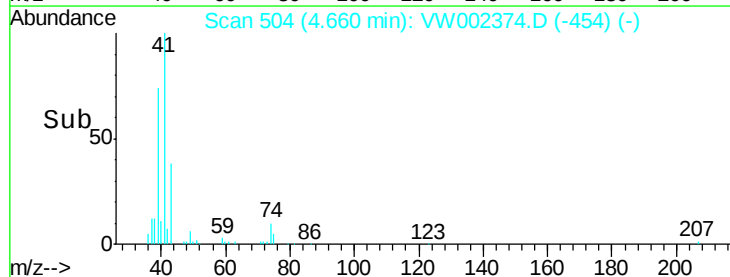
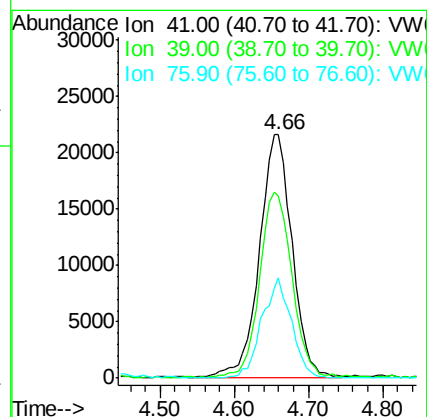
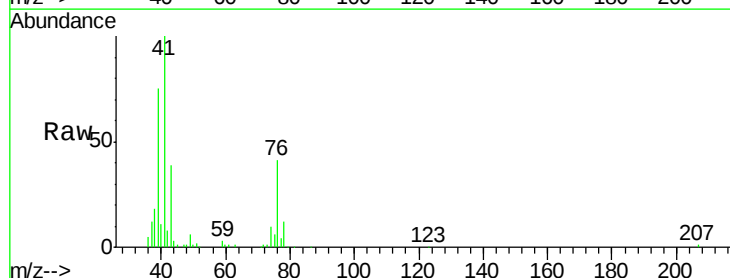
Tgt Ion: 41 Resp: 66784

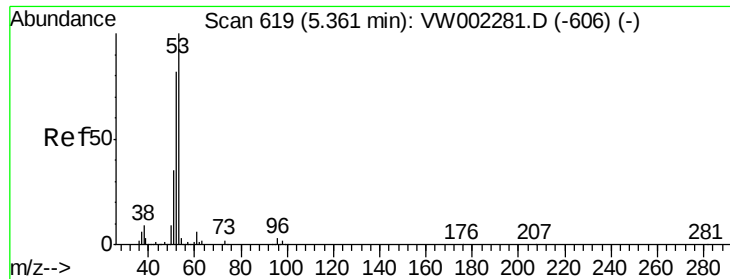
Ion Ratio Lower Upper

41 100

39 74.9 61.7 92.5

76 36.9 29.8 44.6

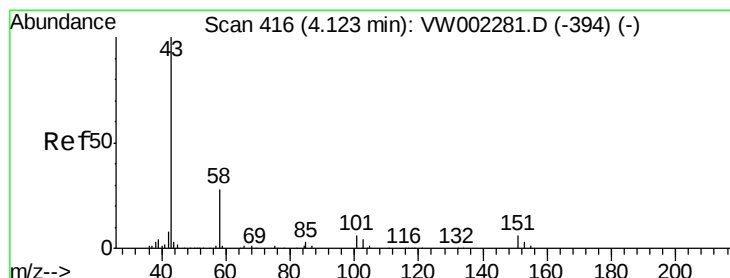
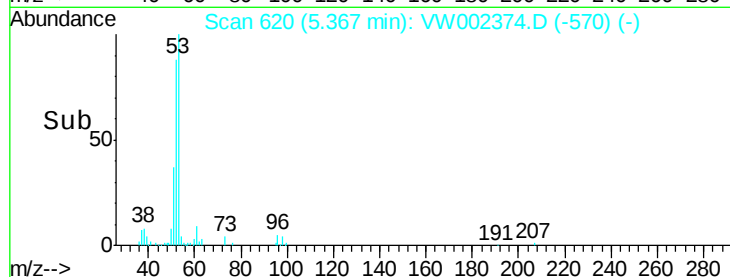
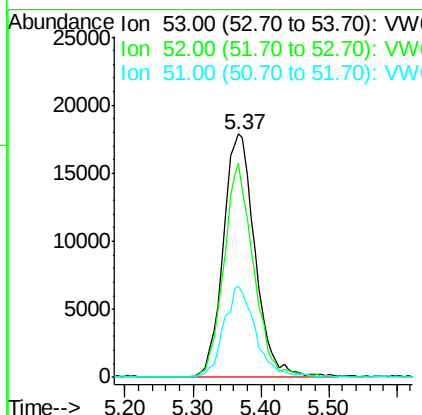
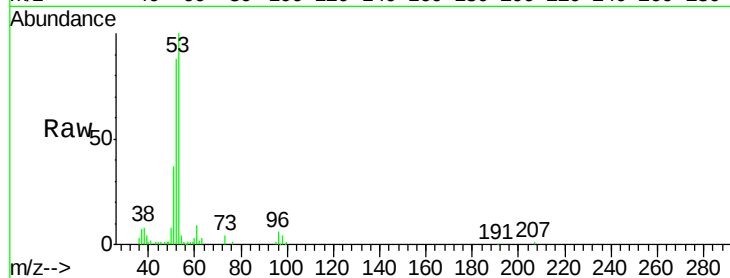




#15
 Acrylonitrile
 Concen: 100.96 ug/l
 RT: 5.37 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

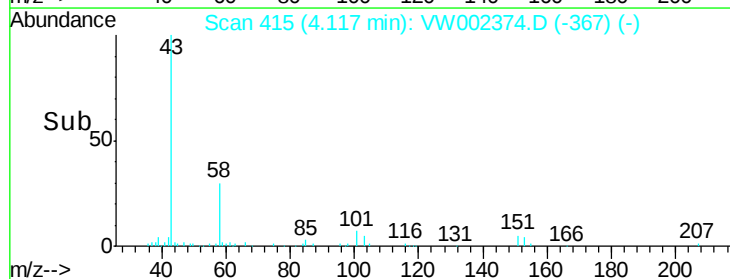
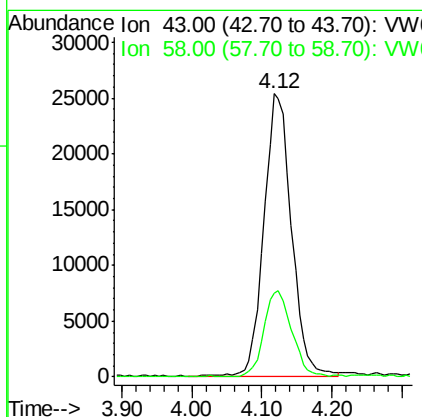
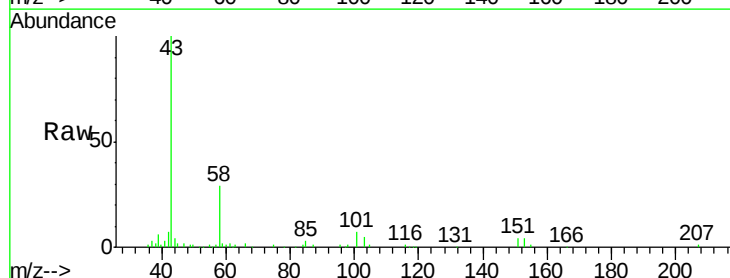
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBSD02

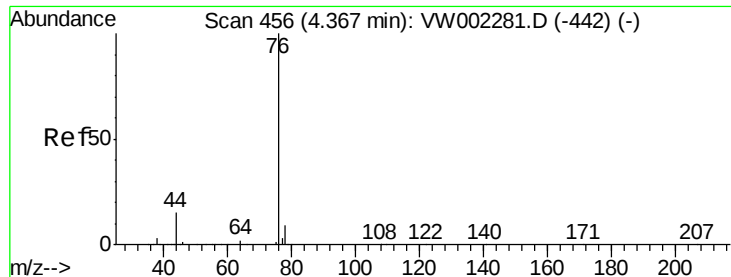
Tot Ion	53	Resp	57939
Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.9	101.9
51	37.4	30.0	45.0



#16
 Acetone
 Concen: 133.77 ug/l
 RT: 4.12 min Scan# 415
 Delta R.T. -0.01 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Tgt Ion	43	Resp	70149
Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.2	33.4

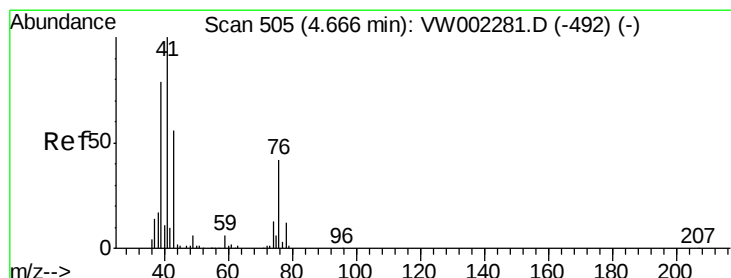
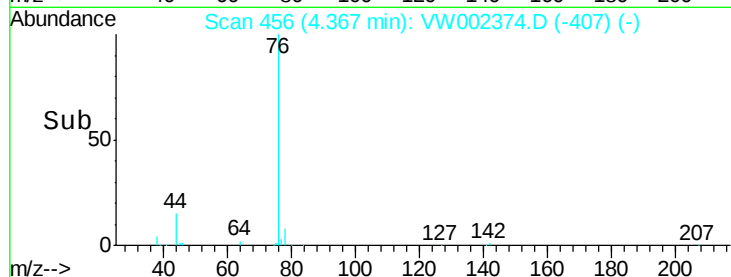
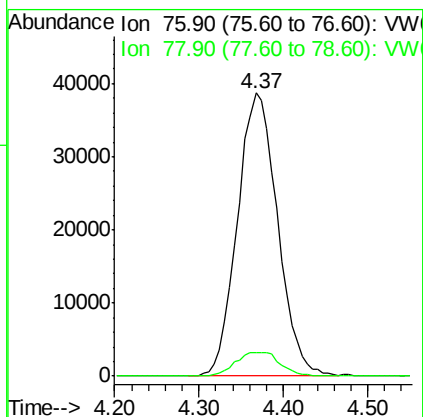
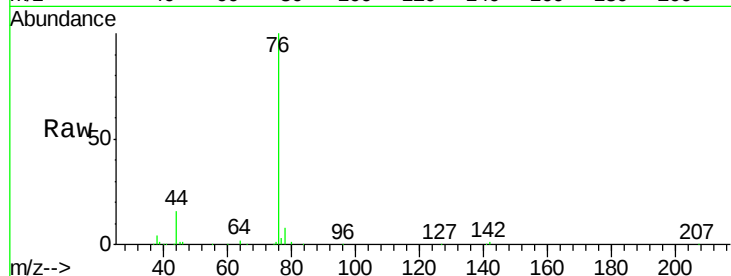




#17
Carbon Disulfide
Concen: 18.82 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

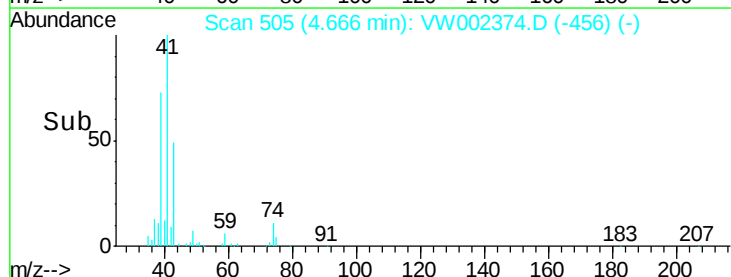
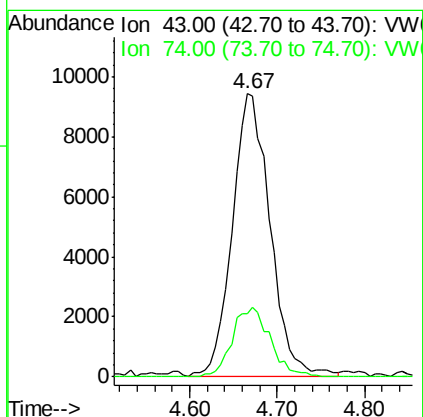
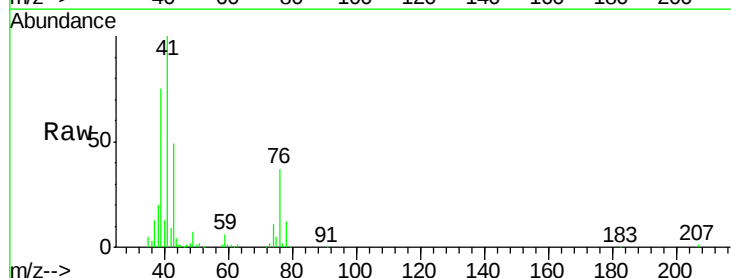
Instrument :
MSVOA_W
ClientSampleId :
VW0510SBSD02

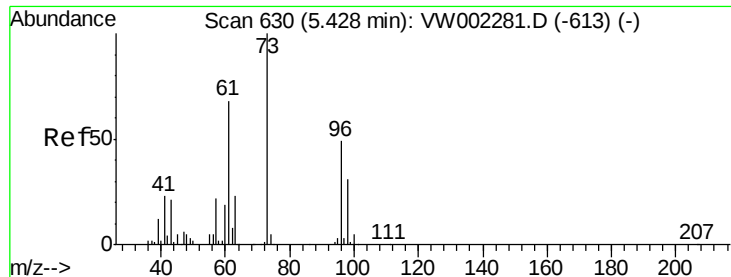
Tot Ion: 76 Resp: 125217
Ion Ratio Lower Upper
76 100
78 8.3 6.9 10.3



#18
Methyl Acetate
Concen: 18.10 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

Tgt Ion: 43 Resp: 28476
Ion Ratio Lower Upper
43 100
74 24.6 19.4 29.2

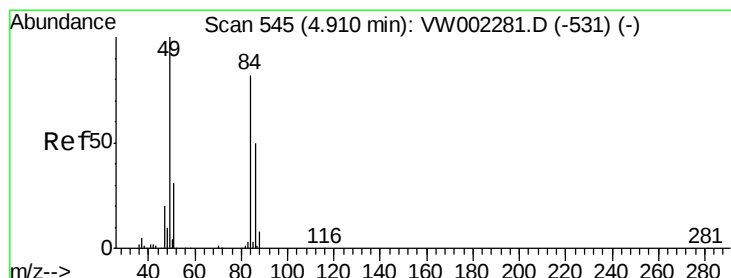
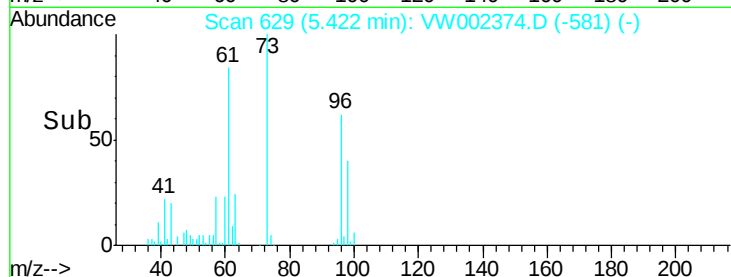
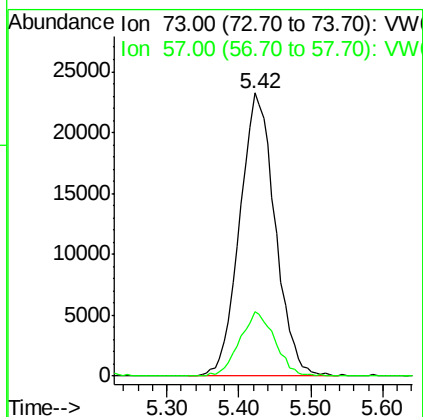
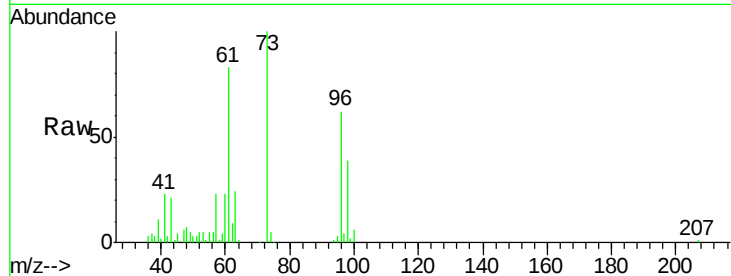




#19
Methyl tert-butyl Ether
Concen: 19.83 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

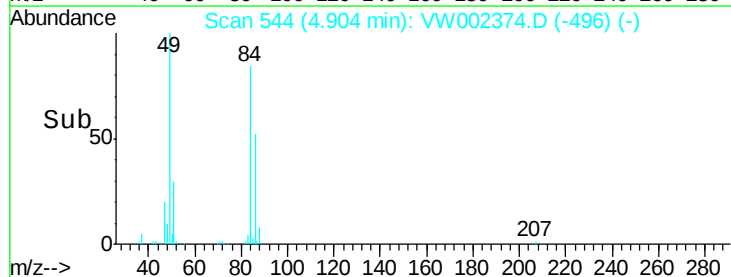
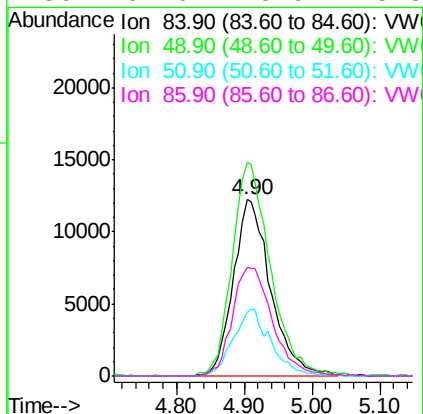
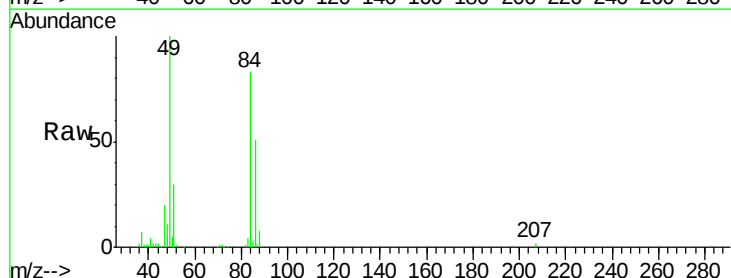
Instrument :
MSVOA_W
ClientSampleId :
VW0510SBSD02

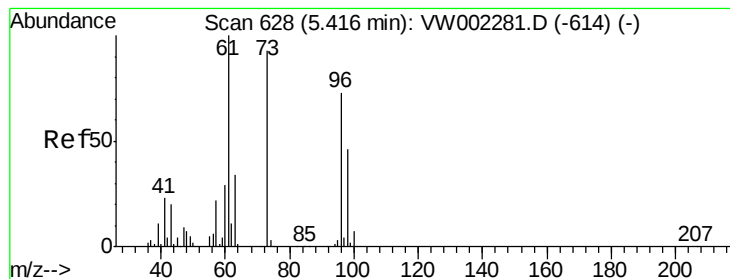
Tot Ion: 73 Resp: 79355
Ion Ratio Lower Upper
73 100
57 22.7 17.7 26.5



#20
Methylene Chloride
Concen: 18.38 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

Tgt Ion: 84 Resp: 46462
Ion Ratio Lower Upper
84 100
49 121.0 97.7 146.5
51 36.0 30.2 45.4
86 61.6 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 19.37 ug/l

RT: 5.40 min Scan# 626

Delta R.T. -0.01 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBSD02

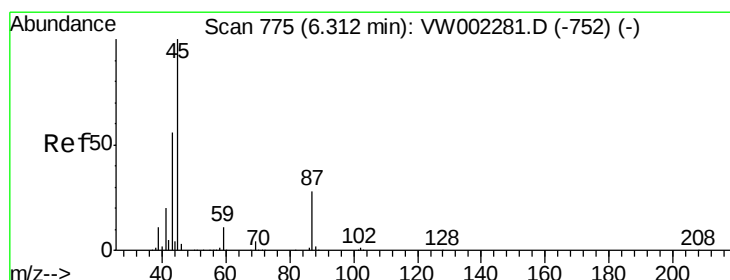
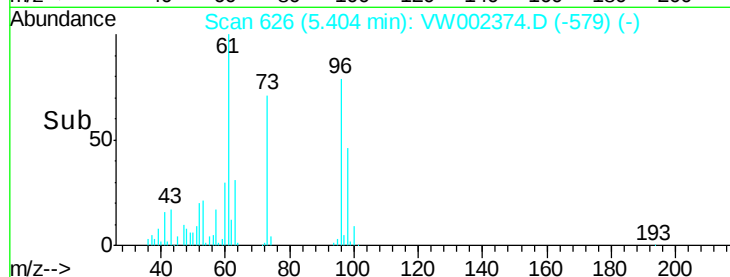
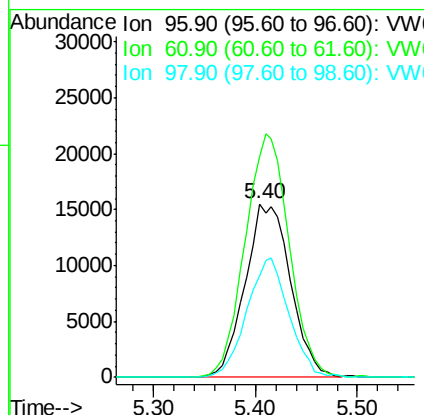
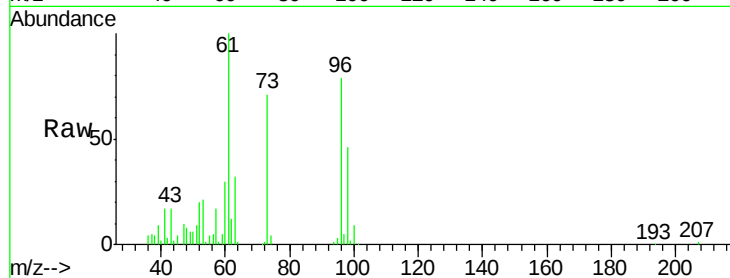
Tot Ion: 96 Resp: 47854

Ion Ratio Lower Upper

96 100

61 126.7 109.5 164.3

98 58.2 50.2 75.4



#22

Diisopropyl ether

Concen: 19.12 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Tgt Ion: 45 Resp: 140994

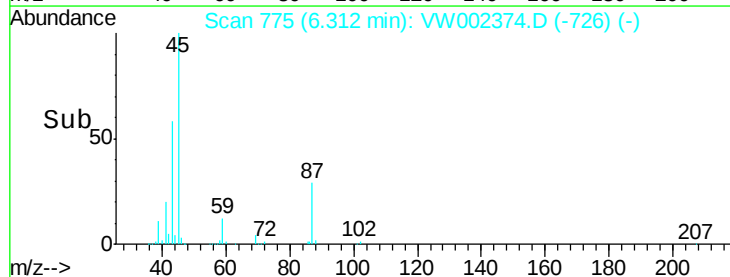
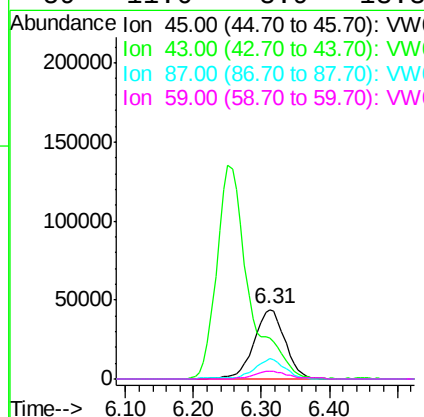
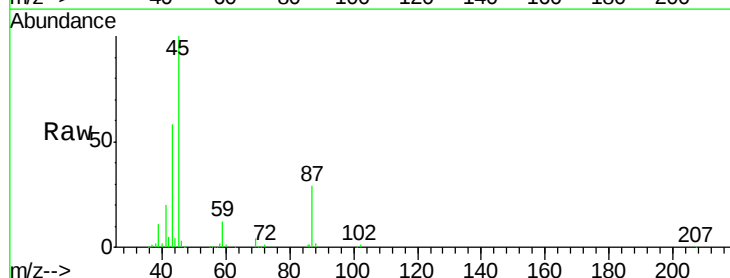
Ion Ratio Lower Upper

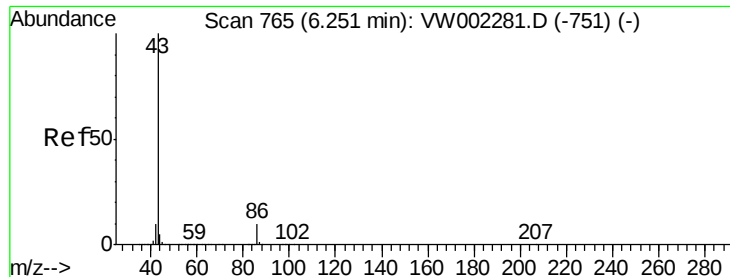
45 100

43 57.5 44.5 66.7

87 28.5 22.2 33.4

59 11.6 8.9 13.3





#23

Vinyl Acetate

Concen: 100.58 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

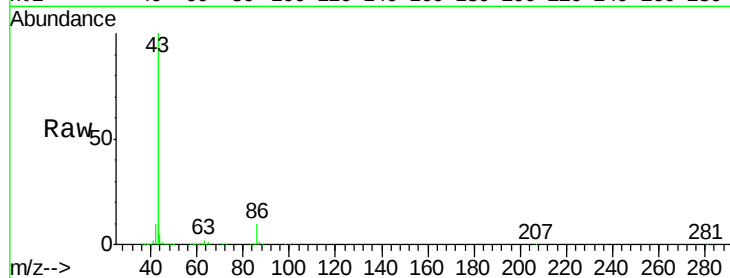
VW0510SBSD02

Tot Ion: 43 Resp: 444039

Ion Ratio Lower Upper

43 100

86 10.3 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

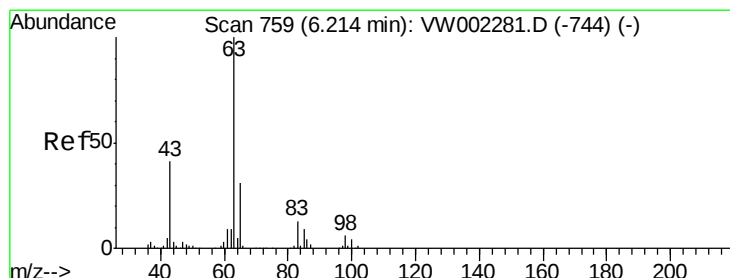
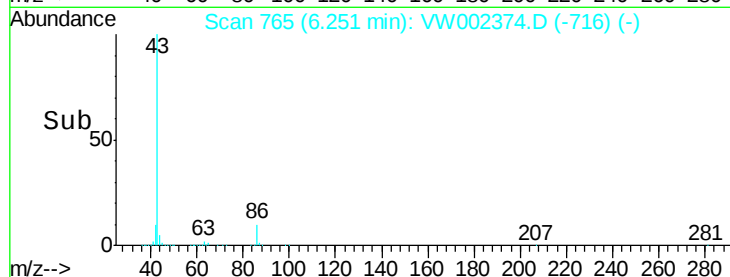
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.65 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

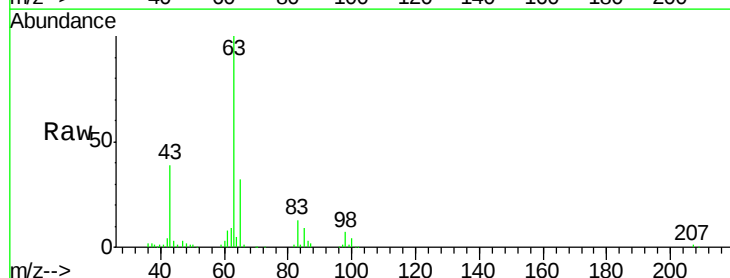
Tgt Ion: 63 Resp: 83356

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.7

100 3.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

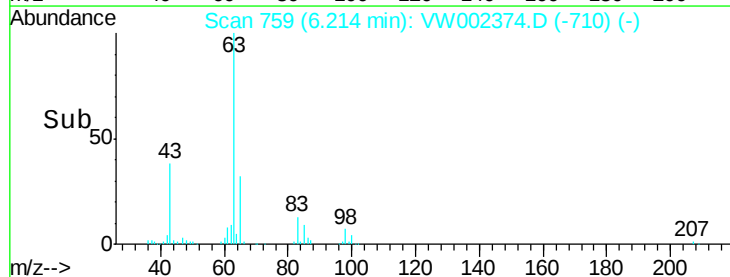
30000

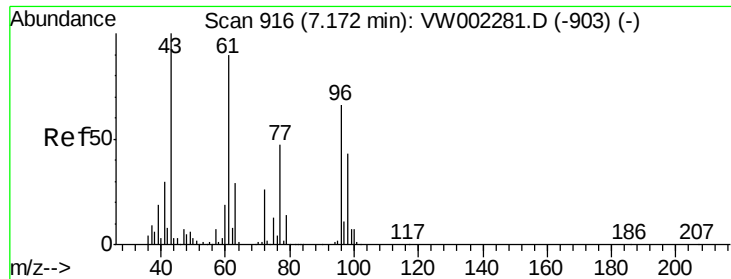
20000

10000

0

Time-->





#25

2-Butanone

Concen: 108.38 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampled :

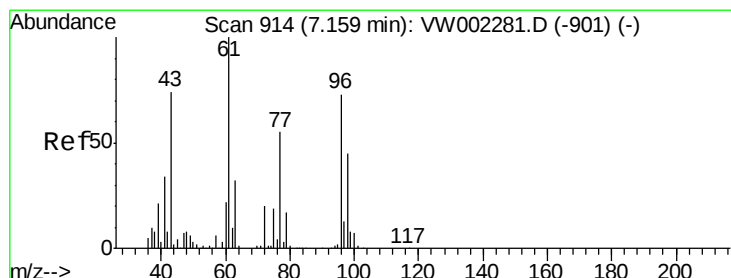
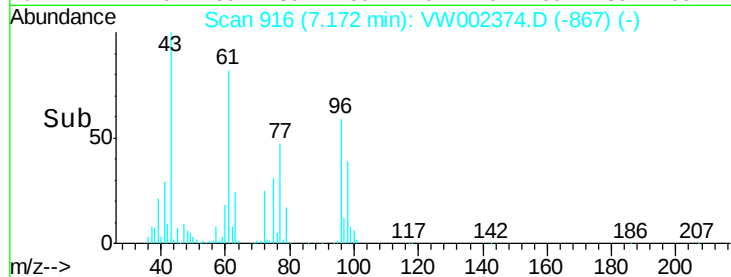
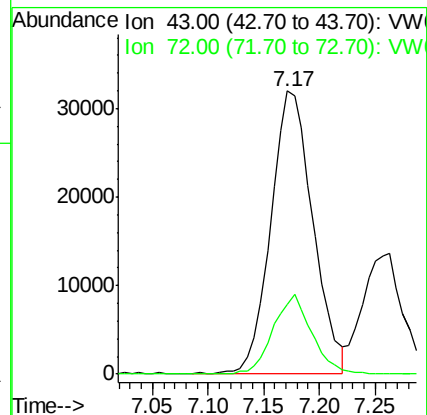
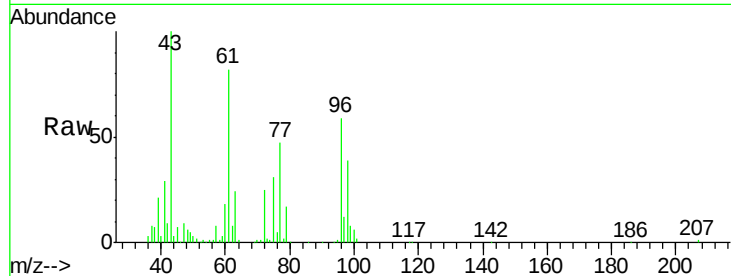
VW0510SBSD02

Tot Ion: 43 Resp: 84388

Ion Ratio Lower Upper

43 100

72 24.8 20.6 31.0



#26

2,2-Dichloropropane

Concen: 22.96 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW002374.D

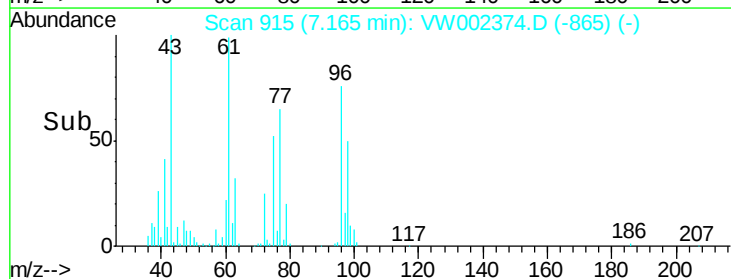
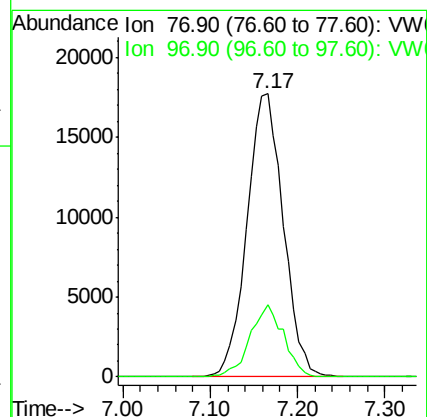
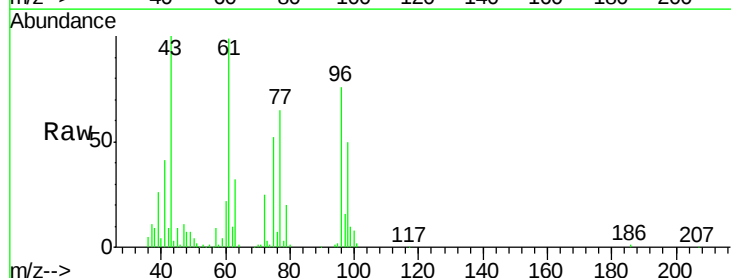
Acq: 10 May 2018 12:37

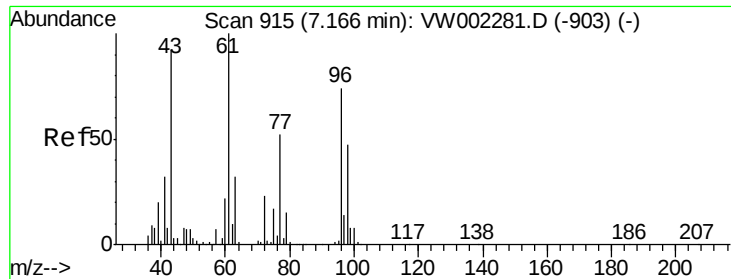
Tgt Ion: 77 Resp: 51155

Ion Ratio Lower Upper

77 100

97 23.4 12.7 38.0



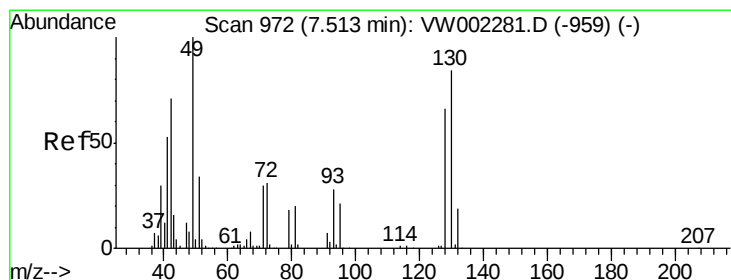
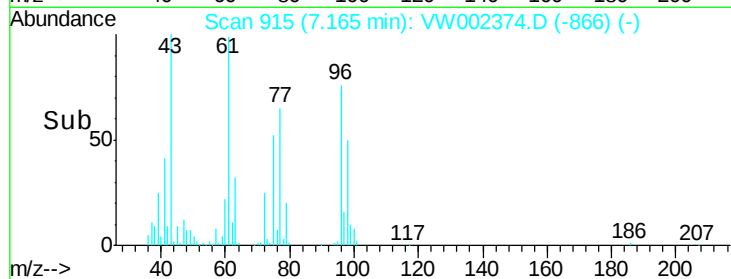
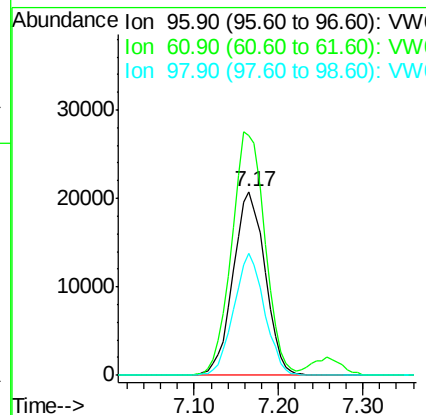
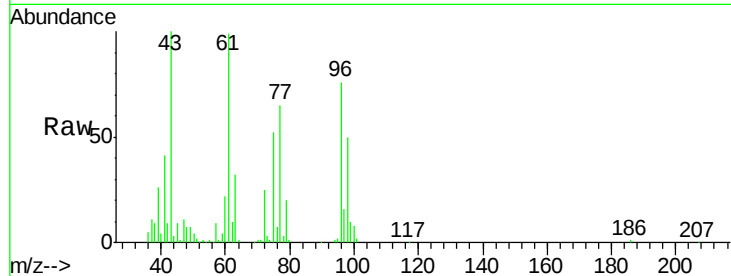


#27

cis-1,2-Dichloroethene
 Concen: 19.23 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBSD02

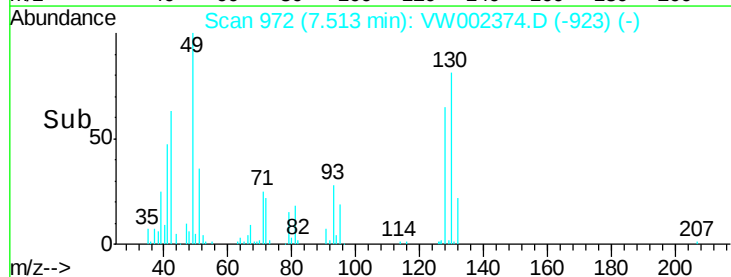
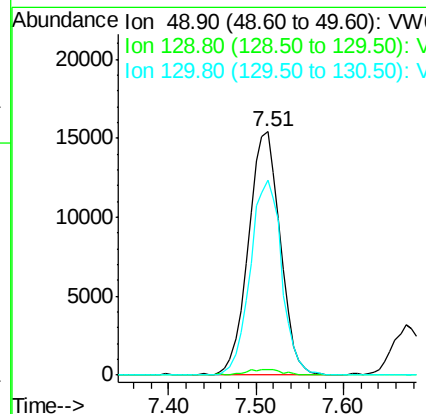
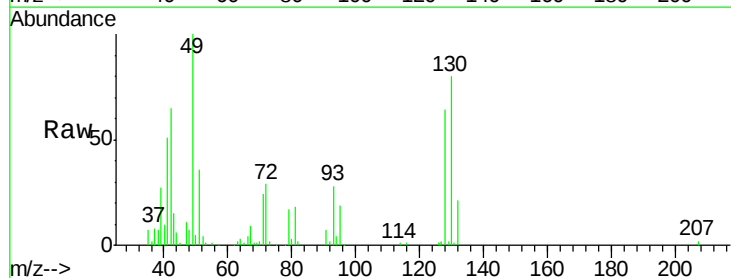
Tot Ion: 96 Resp: 53547
 Ion Ratio Lower Upper
 96 100
 61 137.7 0.0 274.8
 98 63.3 0.0 128.4

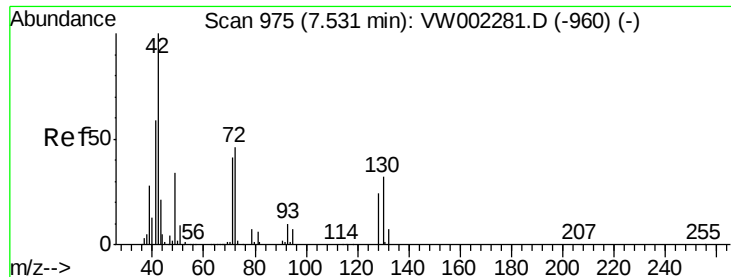


#28

Bromochloromethane
 Concen: 19.33 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Tgt Ion: 49 Resp: 39092
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 2.4#
 130 78.8 65.5 98.3





#29

Tetrahydrofuran

Concen: 97.56 ug/l

RT: 7.53 min Scan# 974

Delta R.T. -0.01 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBSD02

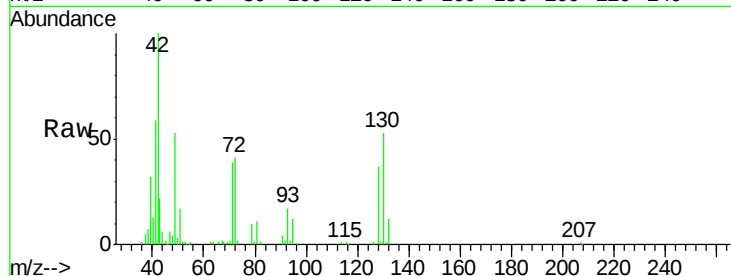
Tot Ion: 42 Resp: 49824

Ion Ratio Lower Upper

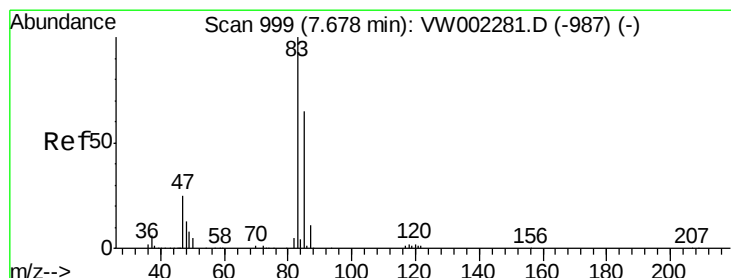
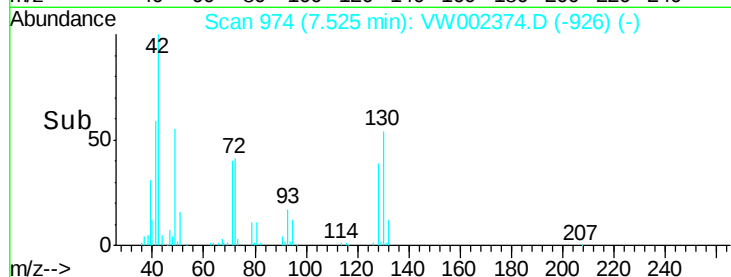
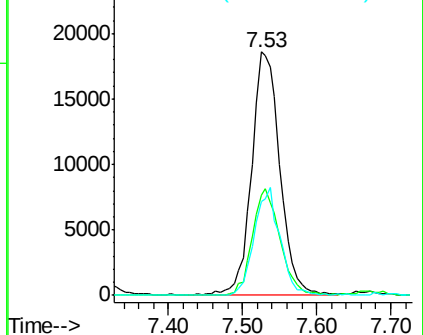
42 100

72 42.8 34.5 51.7

71 40.0 33.0 49.6



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



#30

Chloroform

Concen: 18.88 ug/l

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW002374.D

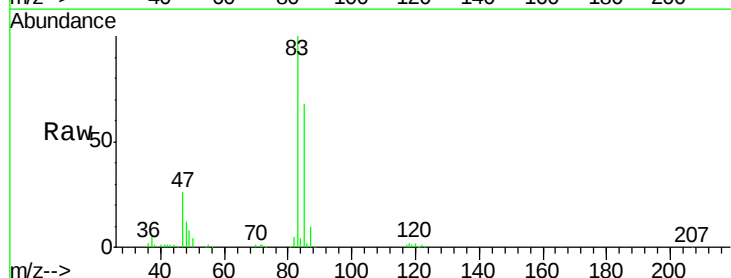
Acq: 10 May 2018 12:37

Tgt Ion: 83 Resp: 88348

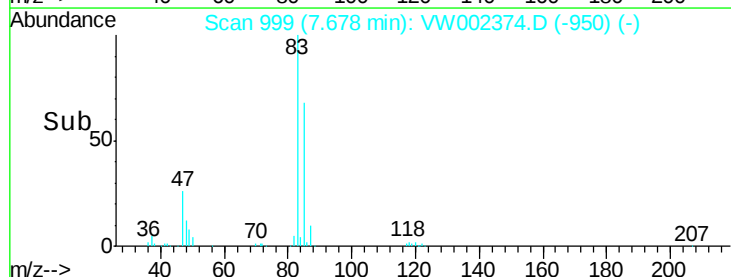
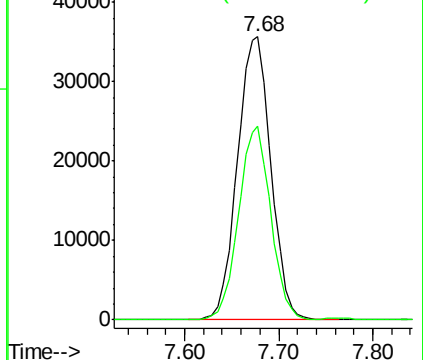
Ion Ratio Lower Upper

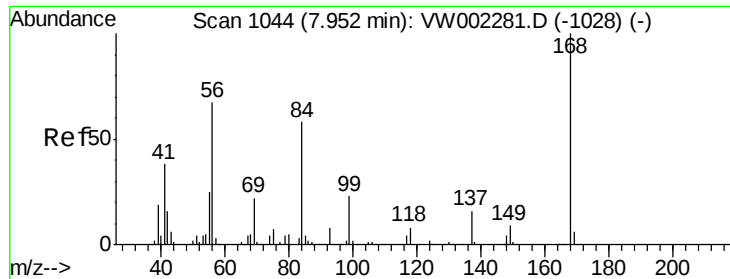
83 100

85 68.3 51.8 77.6



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





#31

Cyclohexane

Concen: 19.60 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleID :

VW0510SBSD02

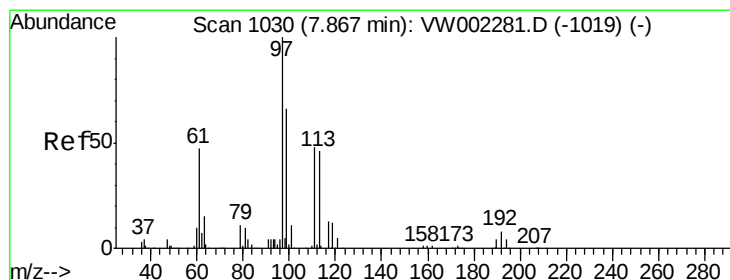
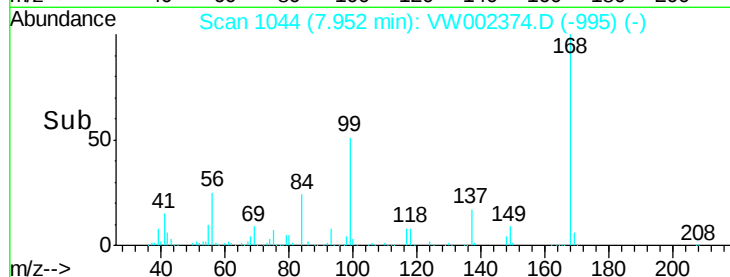
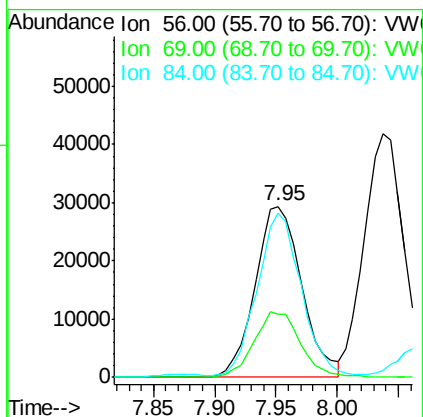
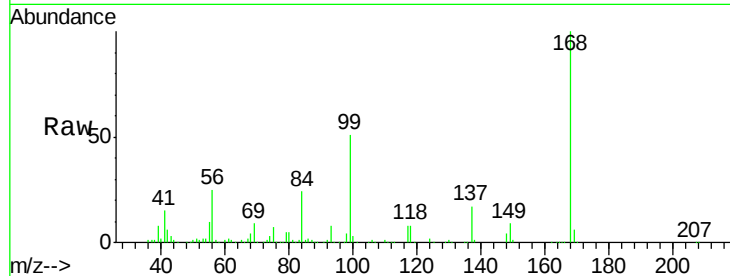
Tot Ion: 56 Resp: 78215

Ion Ratio Lower Upper

56 100

69 37.1 26.2 39.4

84 93.9 69.2 103.8



#32

1,1,1-Trichloroethane

Concen: 19.82 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

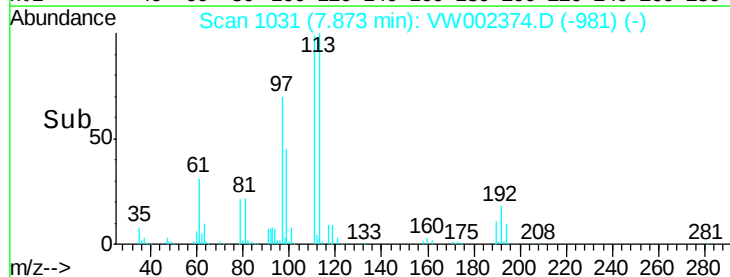
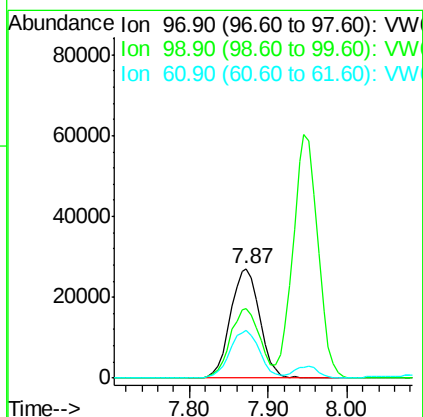
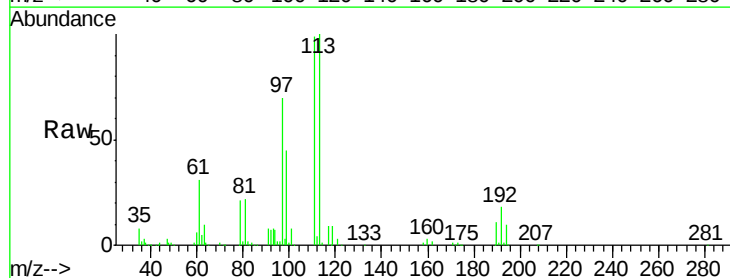
Tgt Ion: 97 Resp: 69725

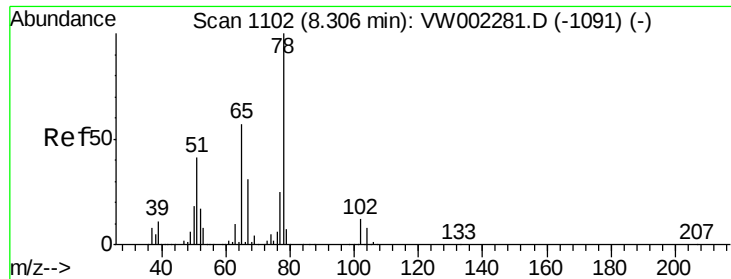
Ion Ratio Lower Upper

97 100

99 65.5 52.6 79.0

61 44.3 35.6 53.4

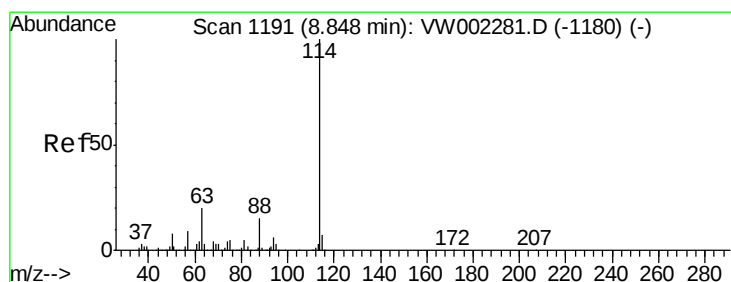
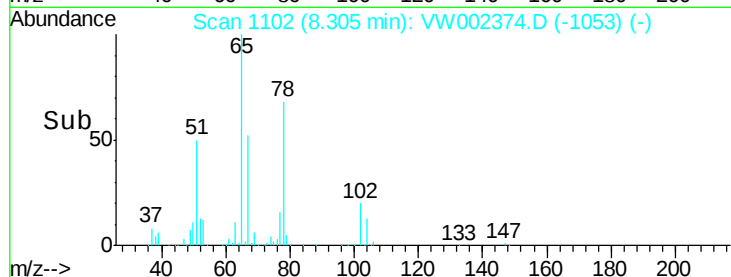
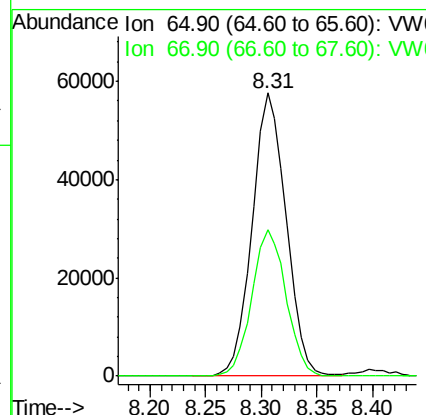
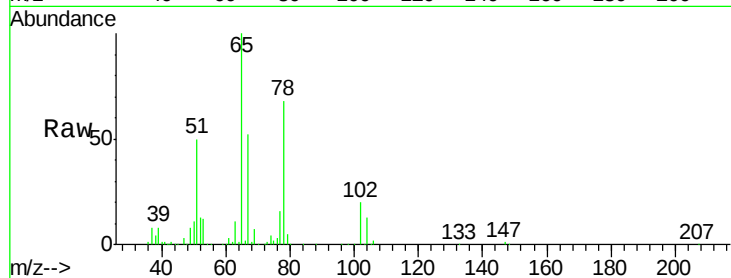




#33
 1,2-Dichloroethane-d4
 Concen: 45.64 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

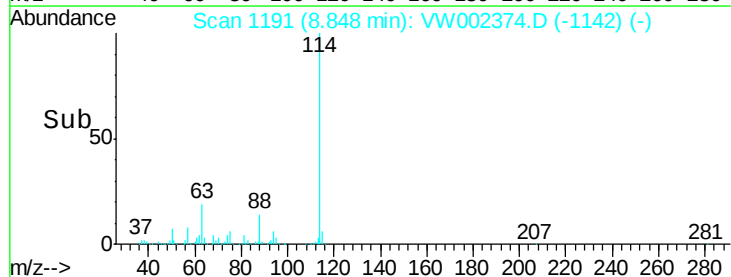
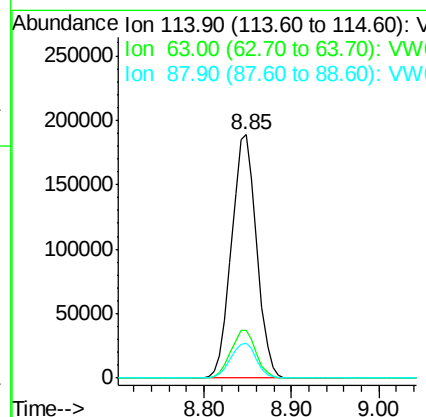
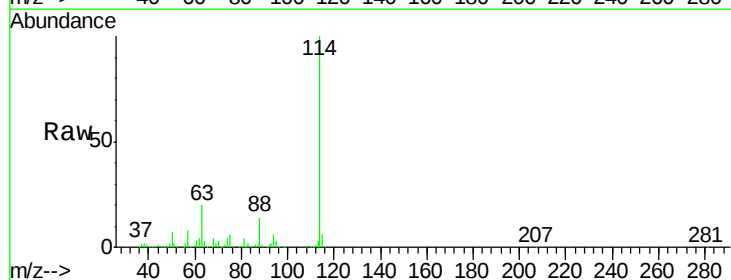
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBSD02

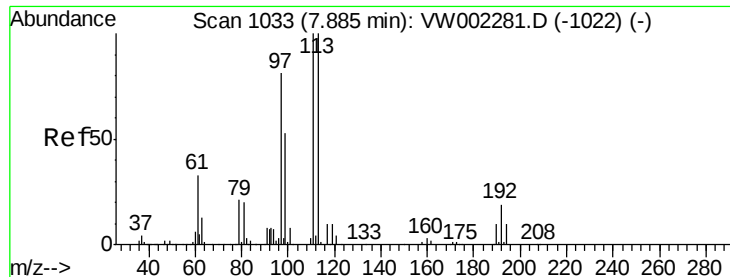
Tot Ion: 65 Resp: 122541
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Tgt Ion: 114 Resp: 376604
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 14.3 0.0 29.6

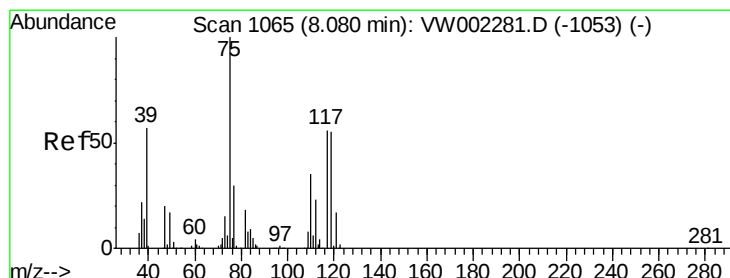
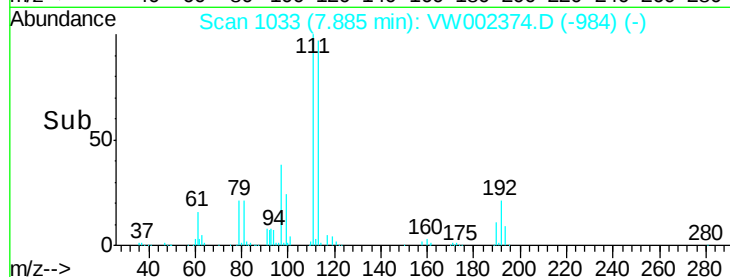
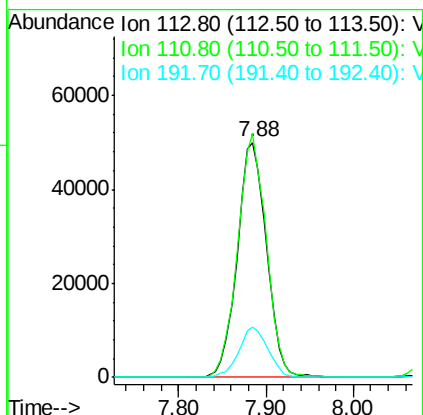
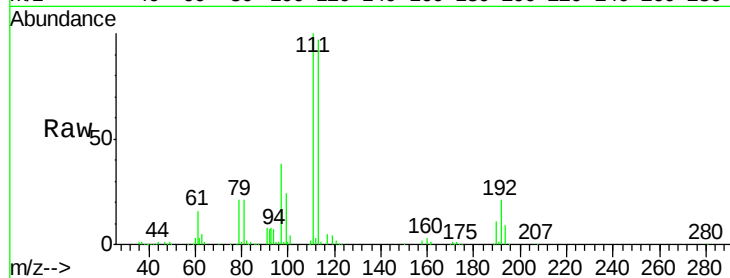




#35
 Dibromofluoromethane
 Concen: 48.11 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

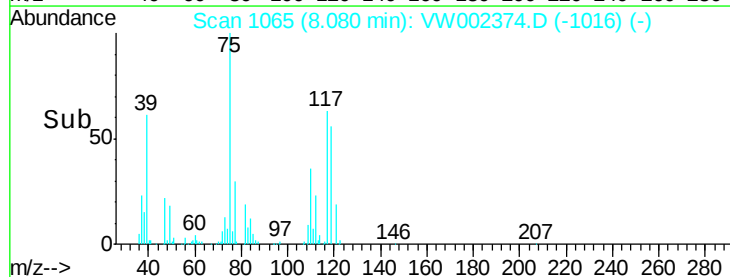
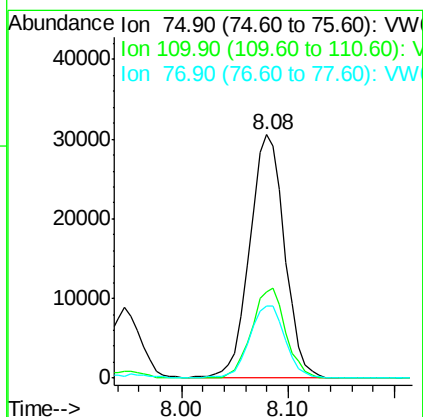
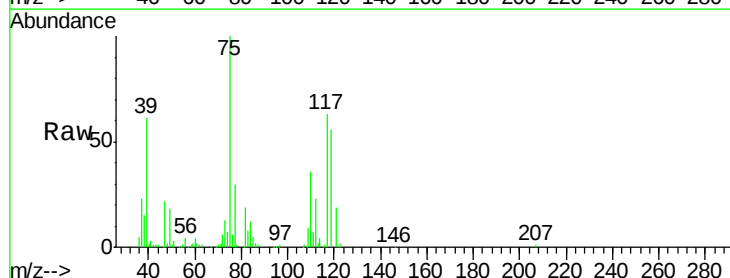
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBSD02

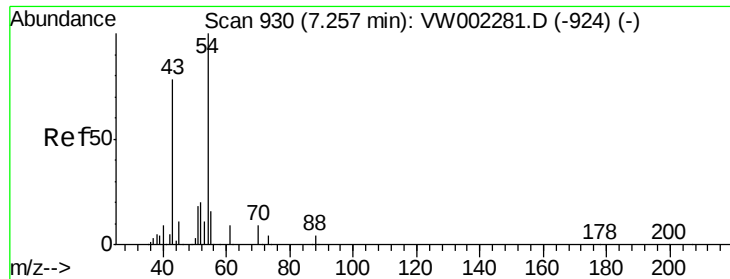
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.5	122.3
192	21.3	16.4	24.6



#36
 1,1-Dichloropropene
 Concen: 20.64 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.1	54.1
77	30.4	24.5	36.7

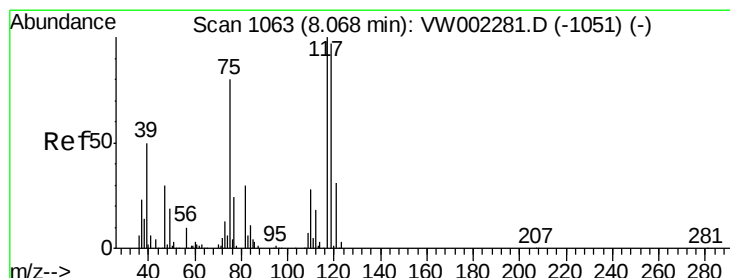
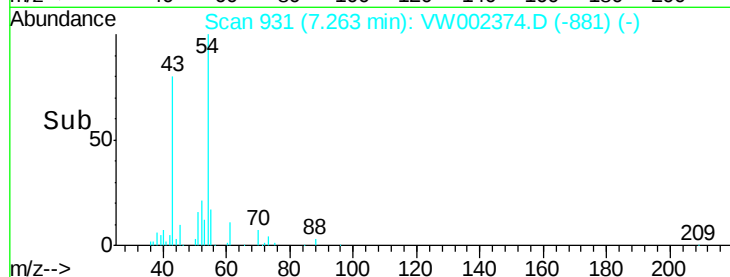
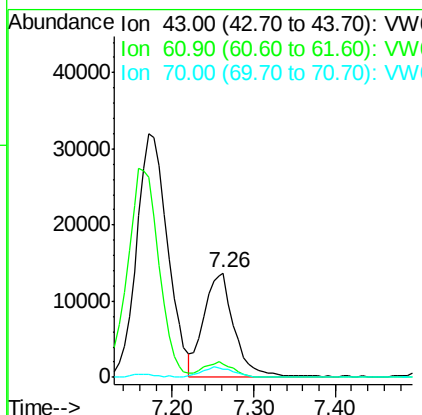
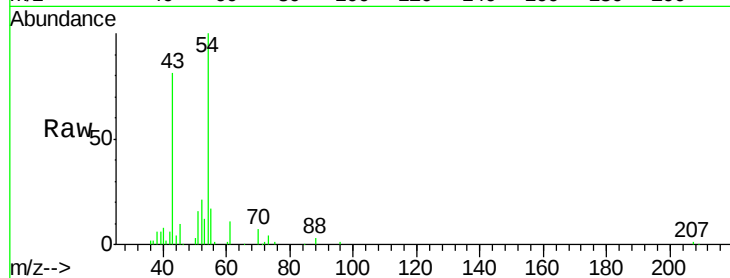




#37
Ethyl Acetate
Concen: 21.38 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

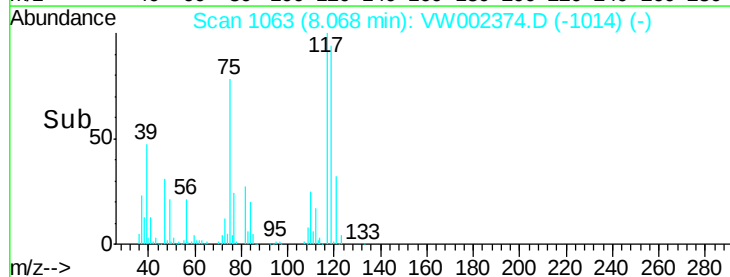
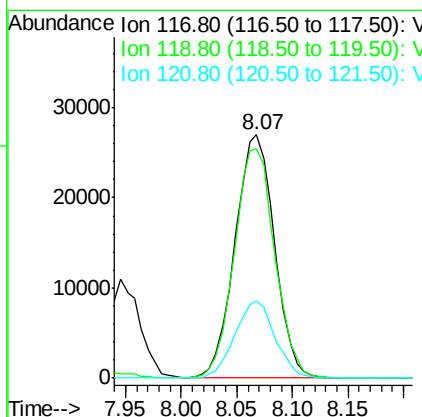
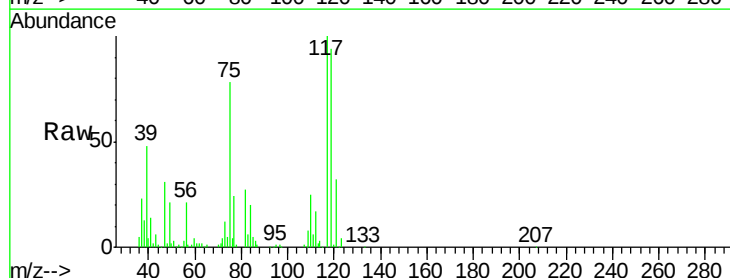
Instrument :
MSVOA_W
ClientSampled :
VW0510SBS02

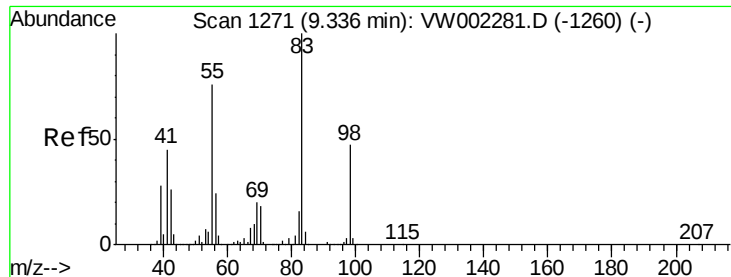
Tot Ion: 43 Resp: 35492
Ion Ratio Lower Upper
43 100
61 14.5 11.1 16.7
70 10.1 7.9 11.9



#38
Carbon Tetrachloride
Concen: 20.23 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

Tgt Ion: 117 Resp: 66637
Ion Ratio Lower Upper
117 100
119 94.1 77.5 116.3
121 31.5 24.4 36.6

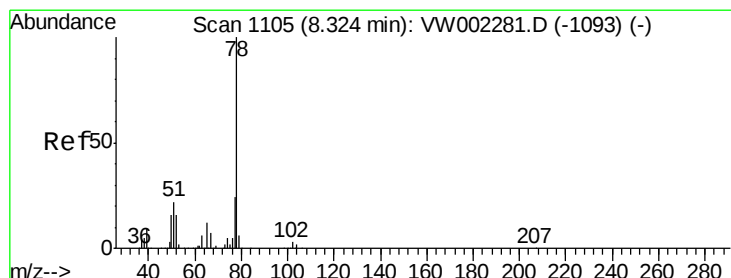
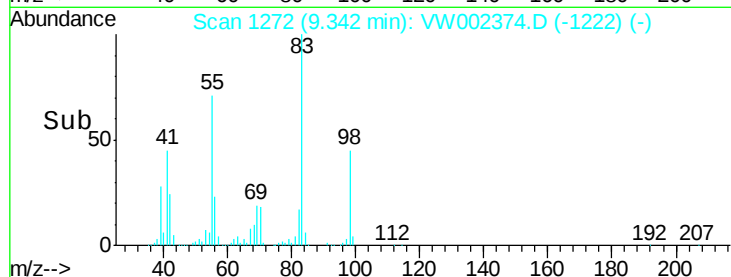
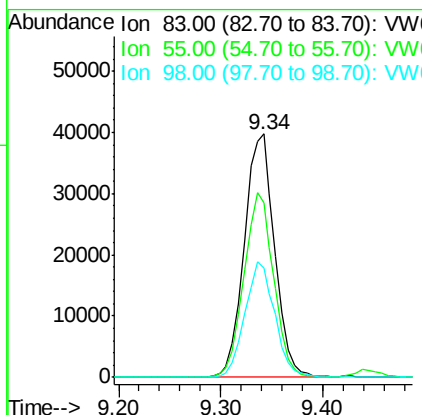
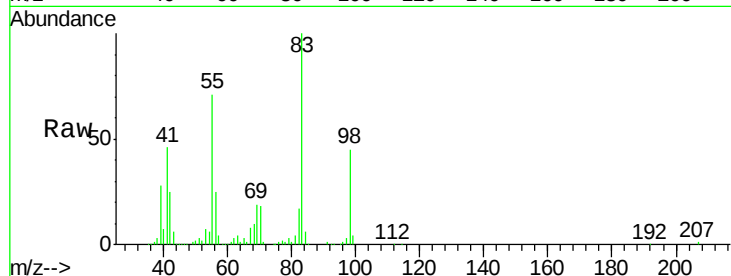




#39
Methvlcvclohexane
Concen: 20.64 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

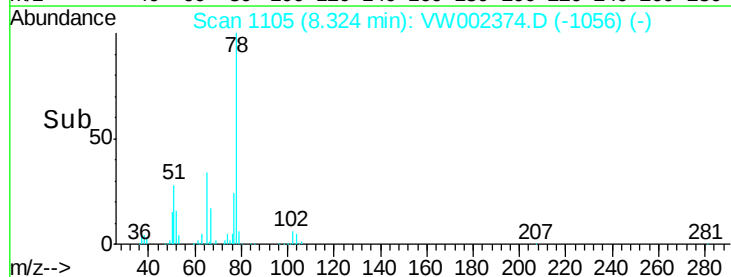
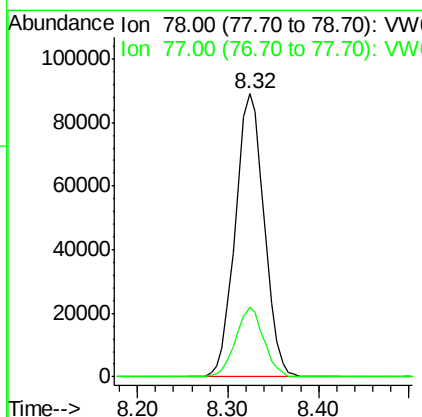
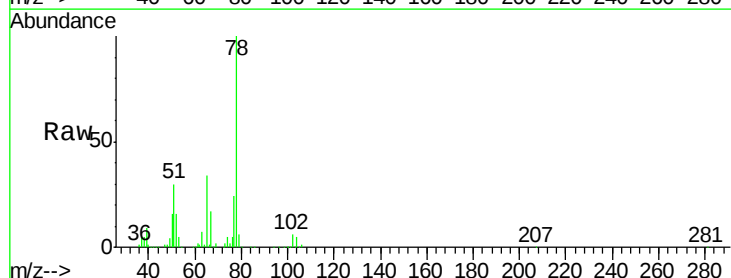
Instrument :
MSVOA_W
ClientSampleId :
VW0510SBSD02

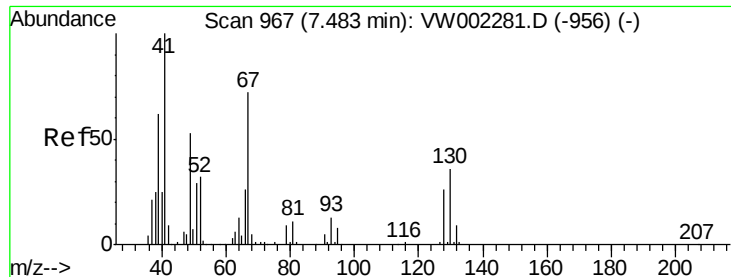
Tot Ion: 83 Resp: 82058
Ion Ratio Lower Upper
83 100
55 71.4 60.6 91.0
98 44.6 37.4 56.0



#40
Benzene
Concen: 19.71 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

Tgt Ion: 78 Resp: 196210
Ion Ratio Lower Upper
78 100
77 24.4 19.3 28.9

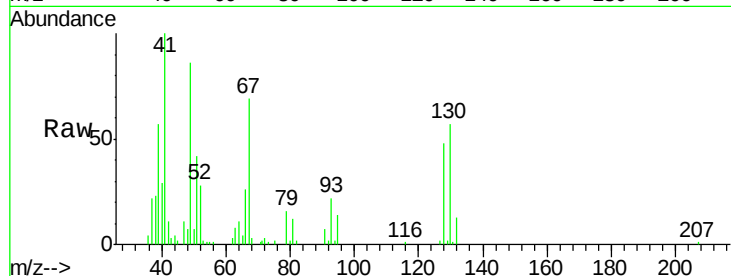




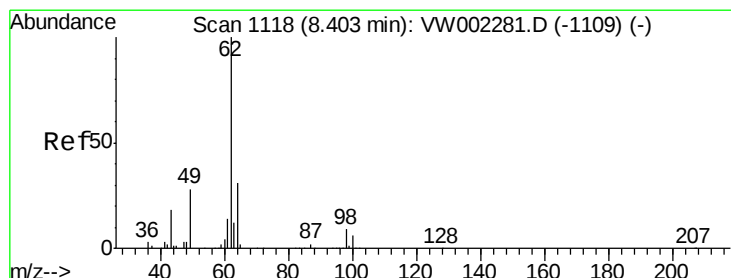
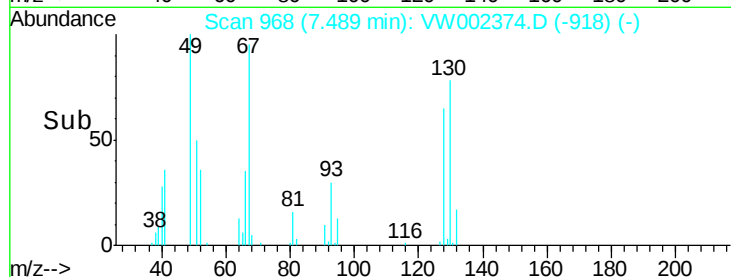
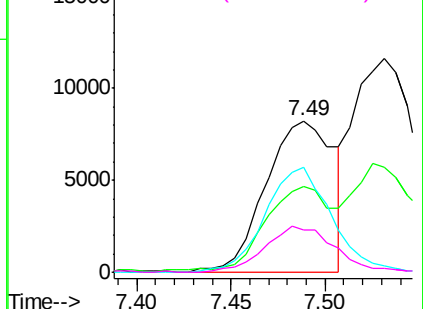
#41
Methacrylonitrile
Concen: 21.74 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.01 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBSD02

Tot Ion:	41	Resp:	20682
Ion	Ratio	Lower	Upper
41	100		
39	56.7	40.2	60.4
67	67.3	54.7	82.1
52	30.9	23.6	35.4

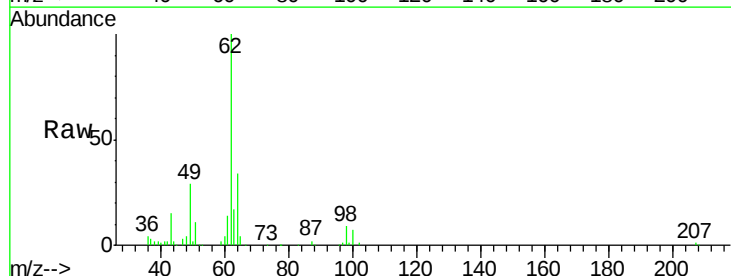


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

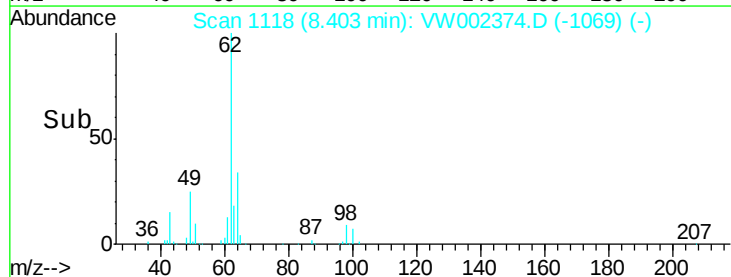
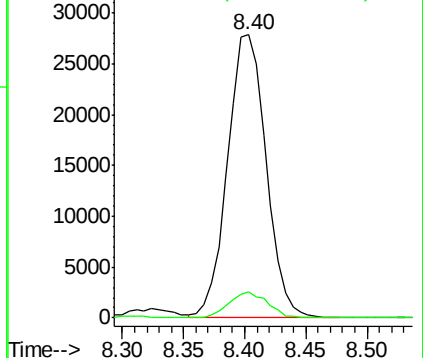


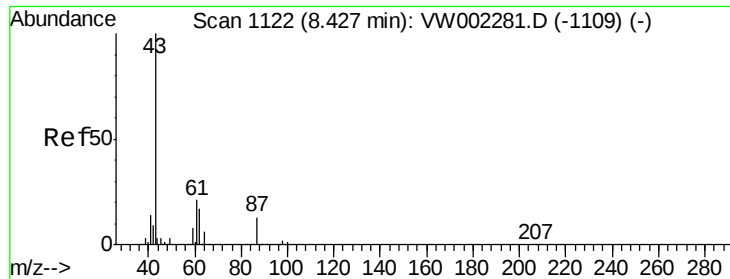
#42
1,2-Dichloroethane
Concen: 19.64 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

Tgt Ion:	62	Resp:	60977
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 20.82 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBSD02

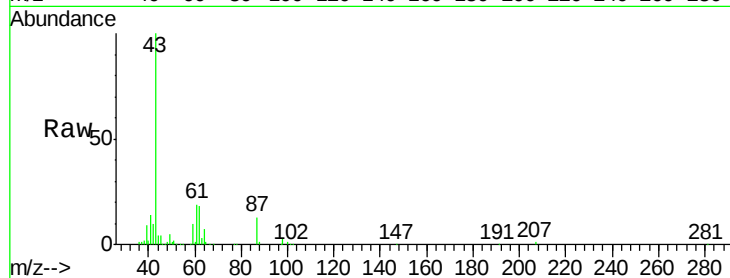
Tot Ion: 43 Resp: 65565

Ion Ratio Lower Upper

43 100

61 28.8 23.7 35.5

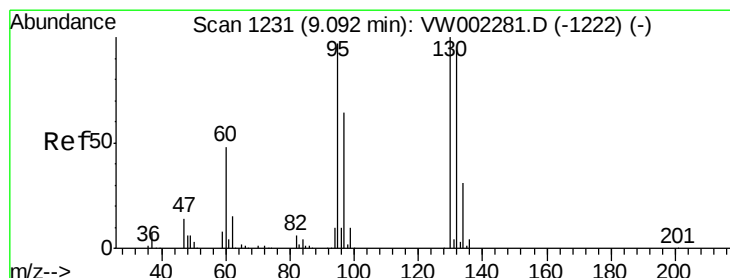
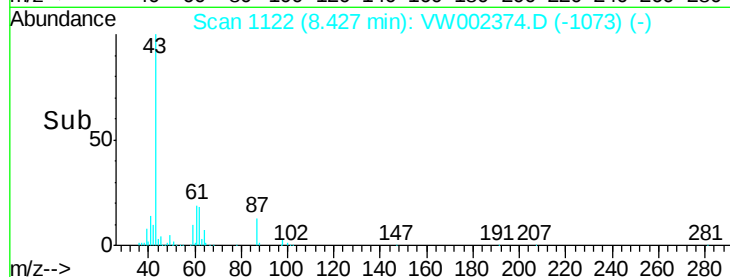
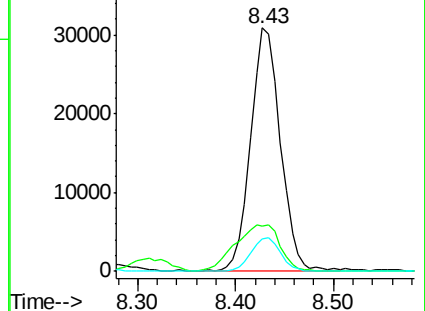
87 13.6 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.92 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW002374.D

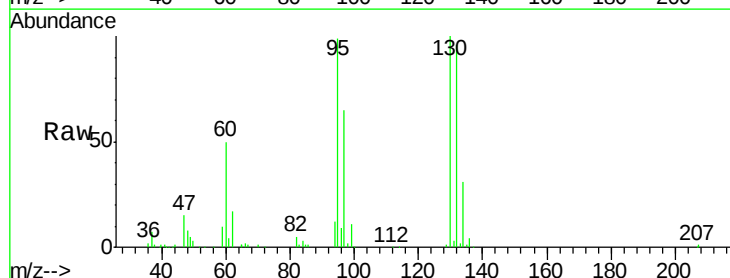
Acq: 10 May 2018 12:37

Tgt Ion: 130 Resp: 54064

Ion Ratio Lower Upper

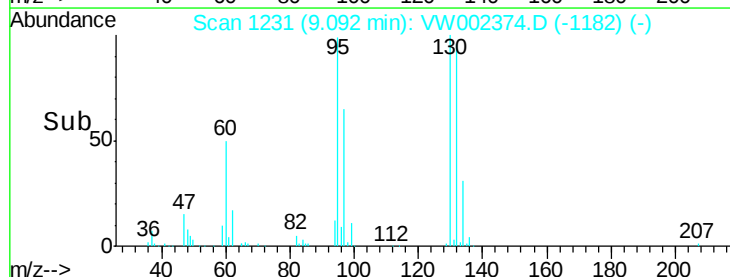
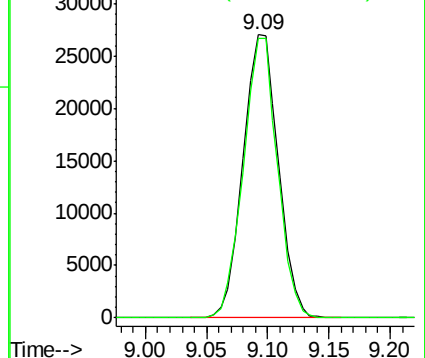
130 100

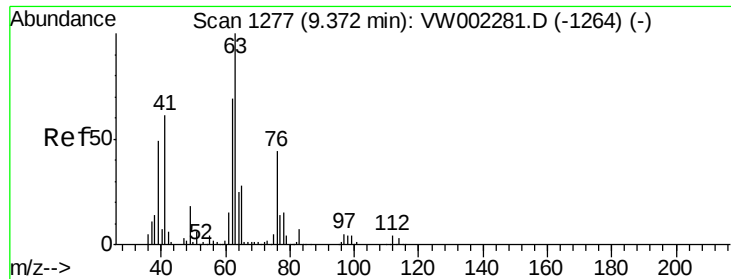
95 98.7 0.0 193.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

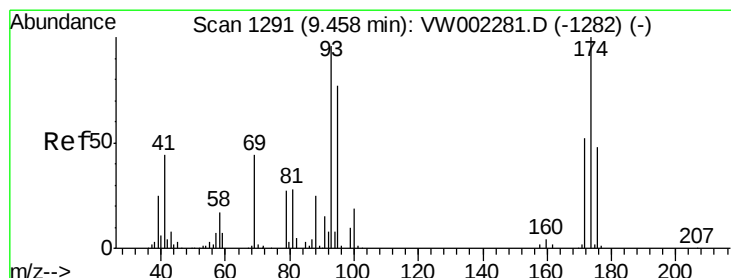
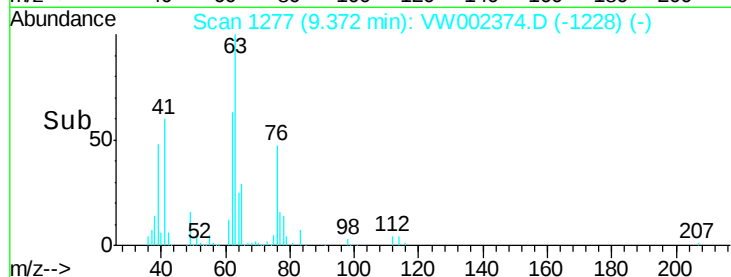
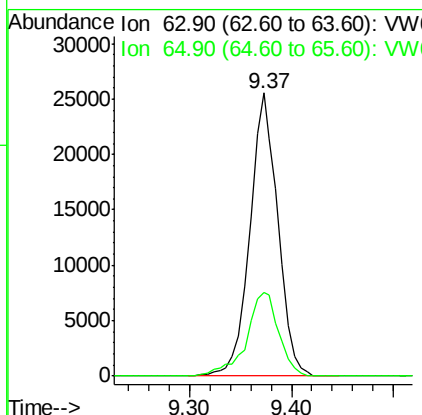
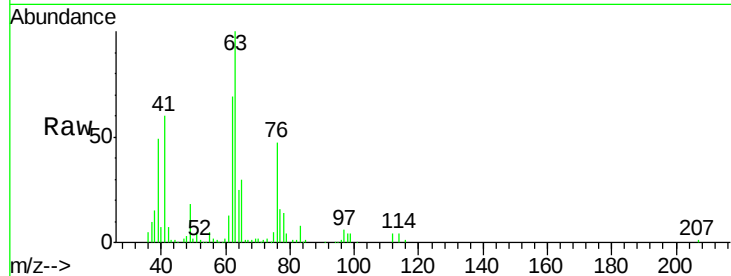




#45
 1,2-Dichloropropane
 Concen: 19.59 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

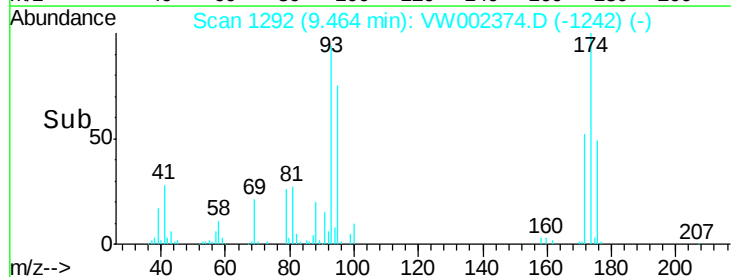
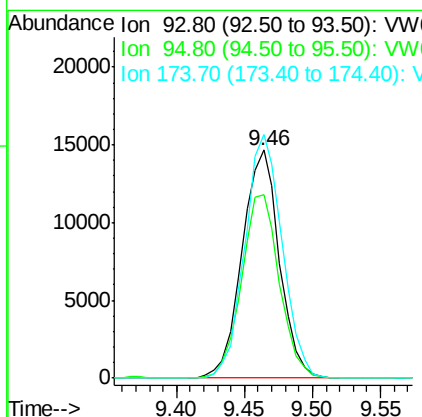
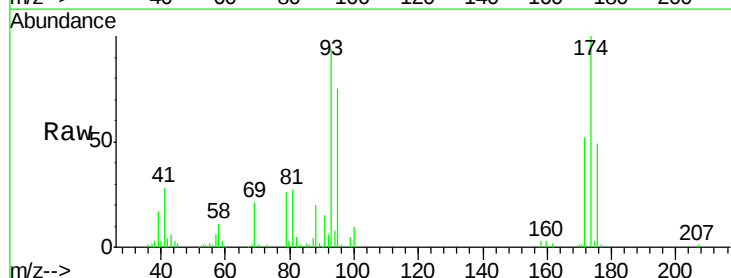
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBSD02

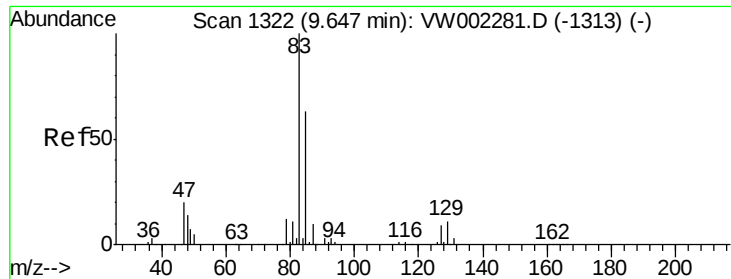
Tot Ion: 63 Resp: 48870
 Ion Ratio Lower Upper
 63 100
 65 29.7 22.9 34.3



#46
 Dibromomethane
 Concen: 20.12 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Tgt Ion: 93 Resp: 28054
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.4 99.6
 174 107.7 86.8 130.2





#47

Bromodichloromethane

Concen: 18.92 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBSD02

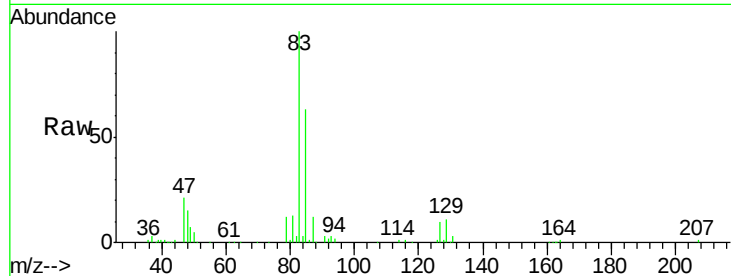
Tot Ion: 83 Resp: 62273

Ion Ratio Lower Upper

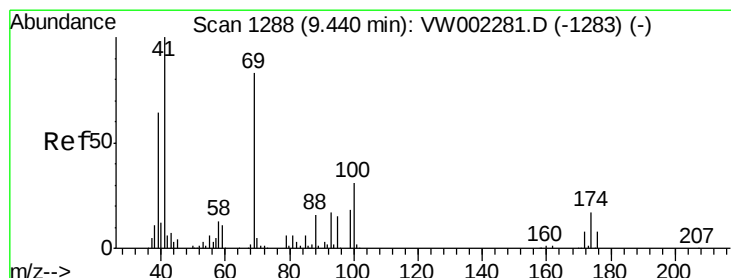
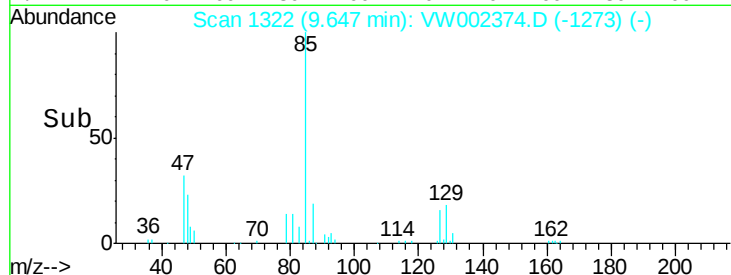
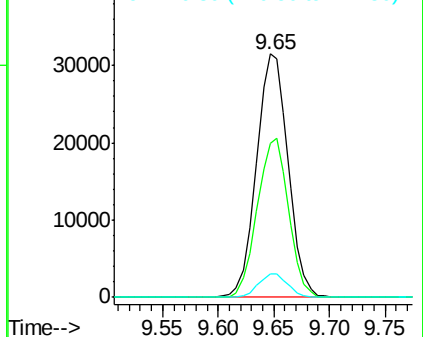
83 100

85 63.4 50.2 75.2

127 9.9 6.9 10.3



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



#48

Methyl methacrylate

Concen: 19.77 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

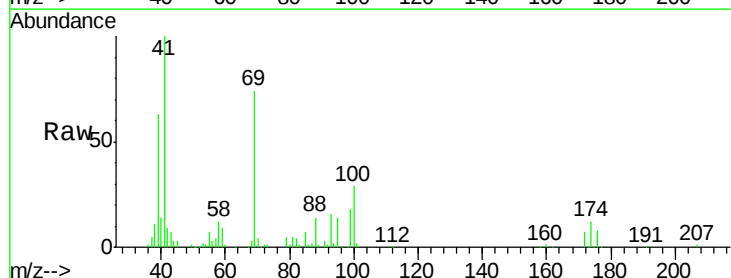
Tgt Ion: 41 Resp: 30223

Ion Ratio Lower Upper

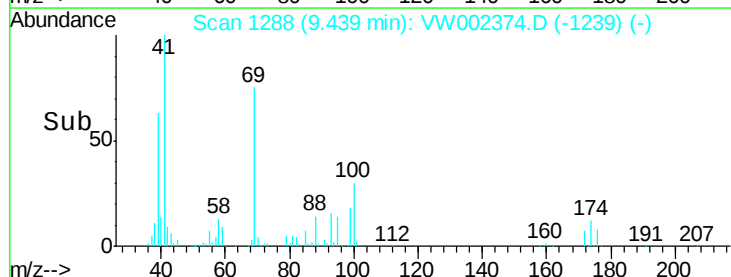
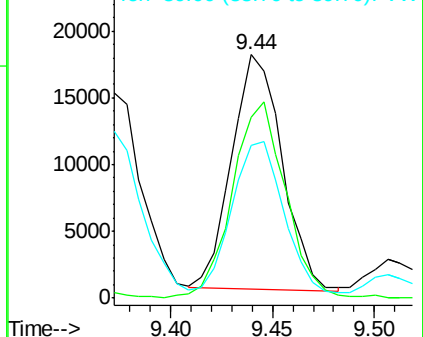
41 100

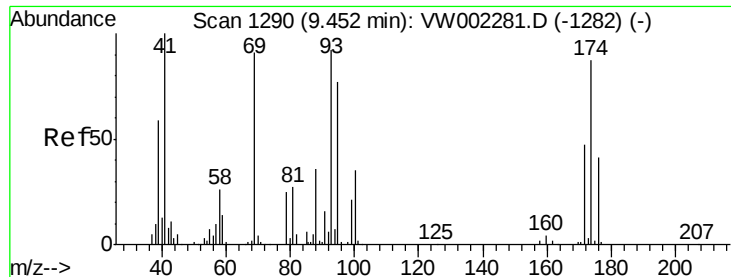
69 88.3 69.9 104.9

39 70.3 54.0 81.0



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

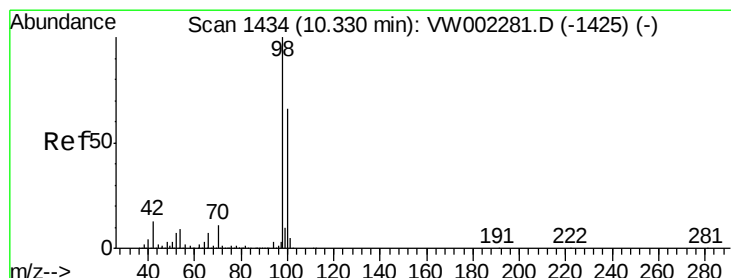
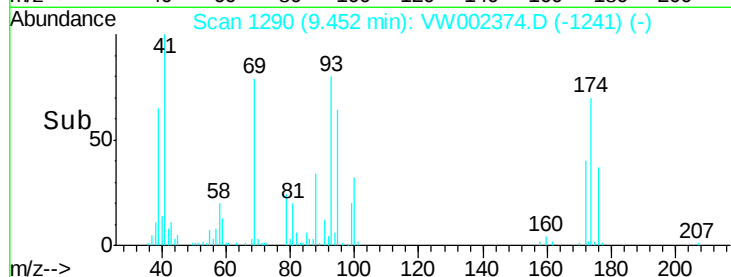
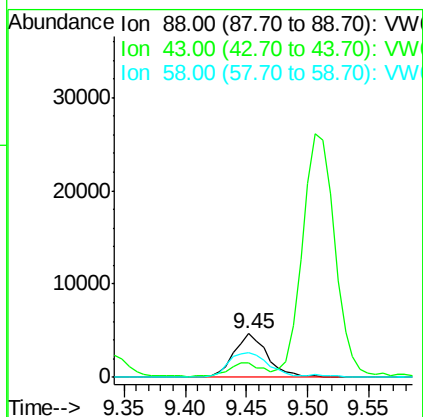
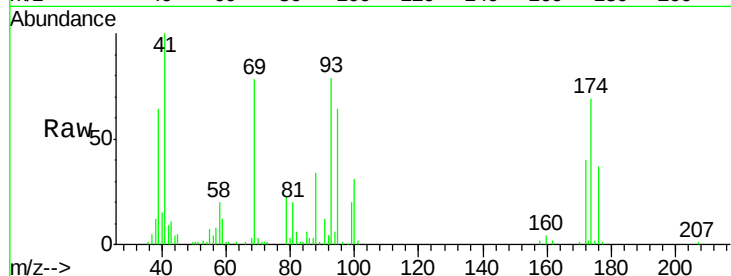




#49
1,4-Dioxane
Concen: 400.22 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

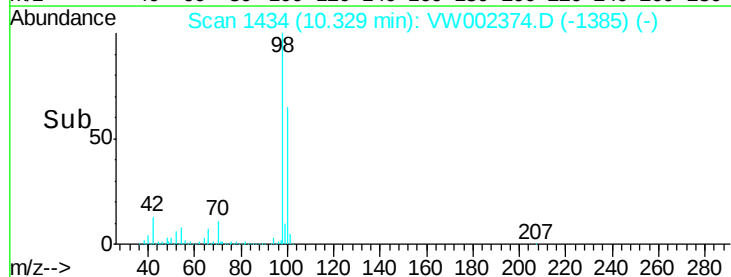
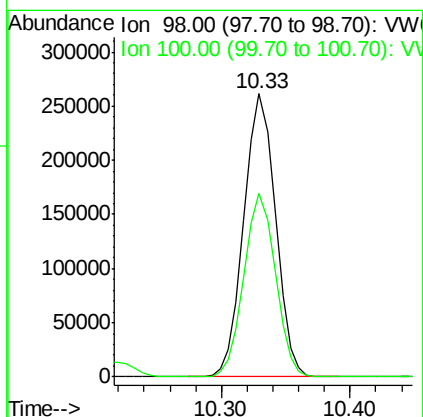
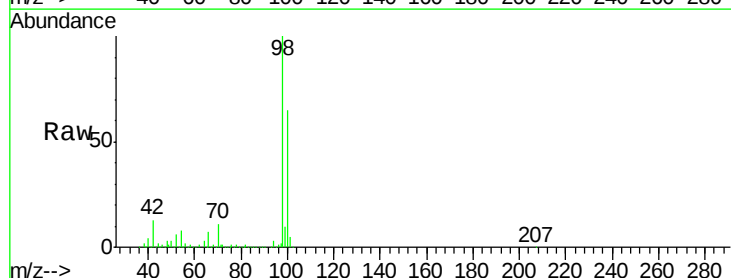
Instrument :
MSVOA_W
ClientSampleId :
VW0510SBSD02

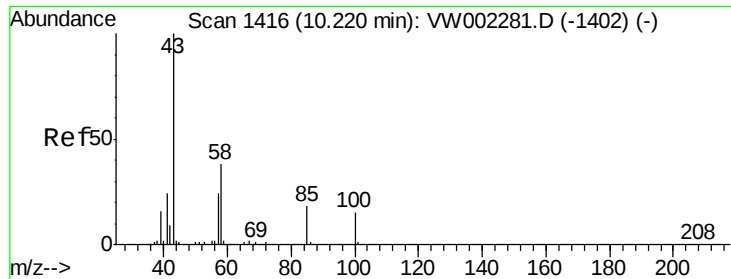
Tot Ion: 88 Resp: 8865
Ion Ratio Lower Upper
88 100
43 32.6 26.3 39.5
58 68.4 56.0 84.0



#50
Toluene-d8
Concen: 48.51 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

Tgt Ion: 98 Resp: 446528
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 100.24 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

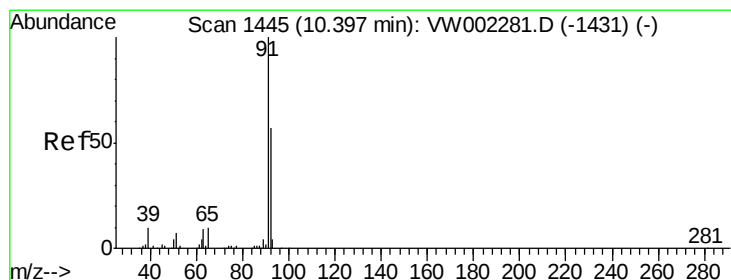
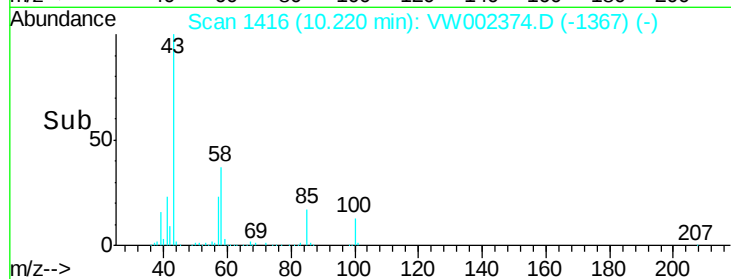
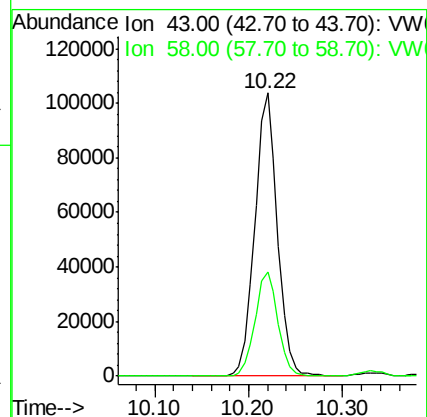
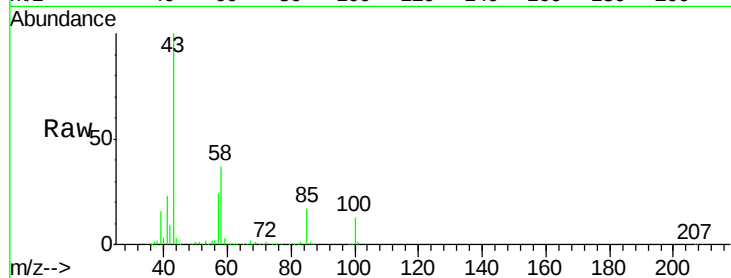
VW0510SBSD02

Tot Ion: 43 Resp: 174122

Ion Ratio Lower Upper

43 100

58 37.6 30.2 45.2



#52

Toluene

Concen: 19.86 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW002374.D

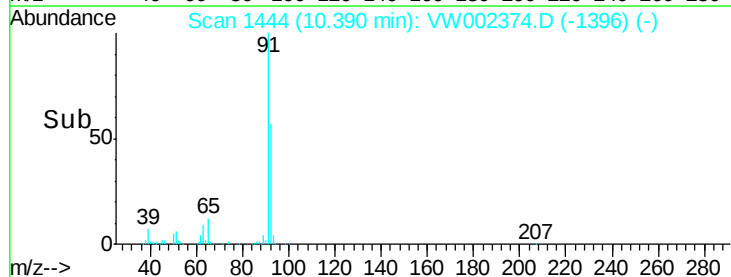
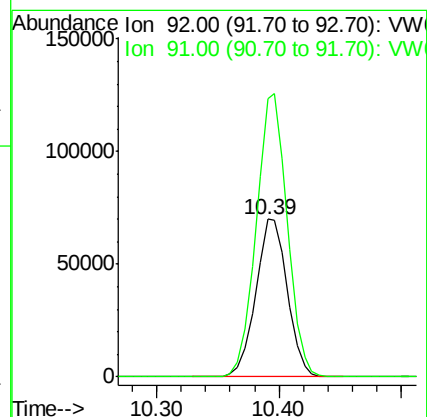
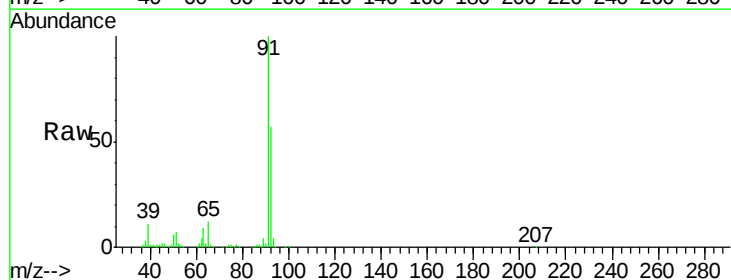
Acq: 10 May 2018 12:37

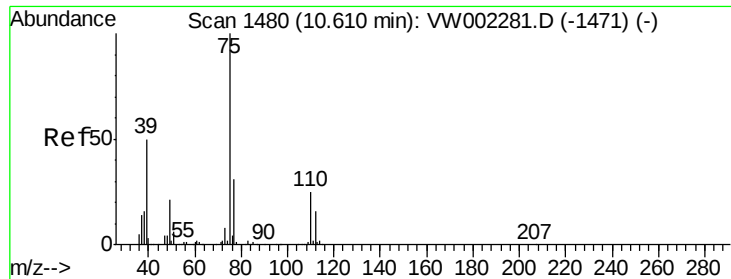
Tgt Ion: 92 Resp: 125576

Ion Ratio Lower Upper

92 100

91 176.2 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 19.94 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

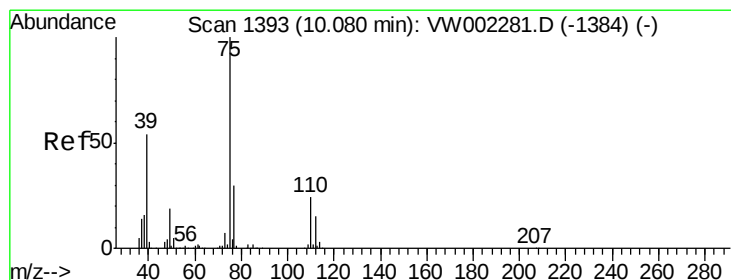
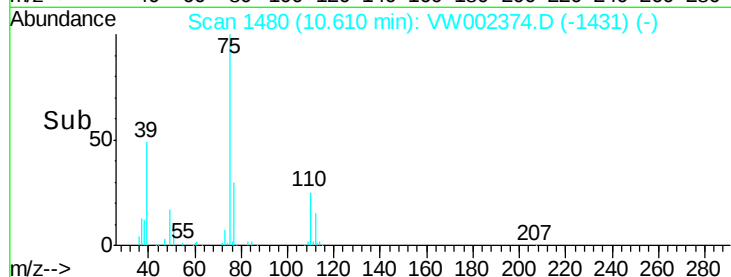
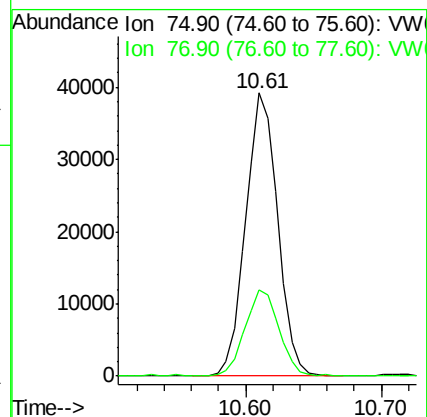
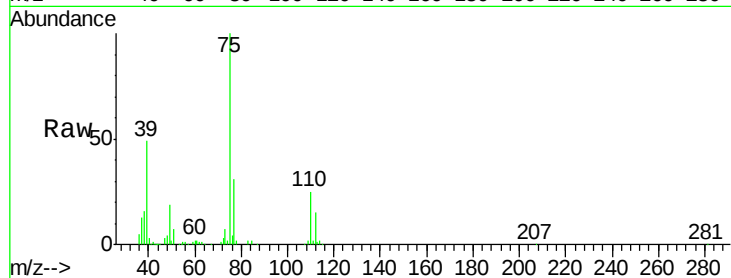
VW0510SBSD02

Tot Ion: 75 Resp: 64523

Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.67 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

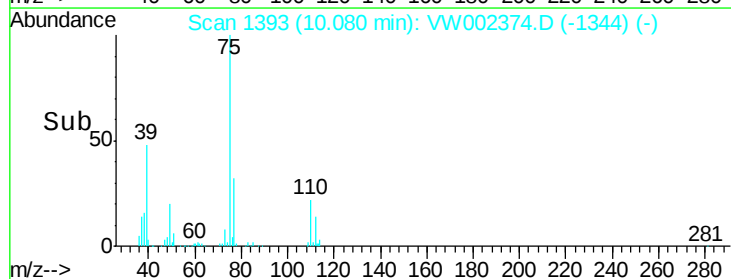
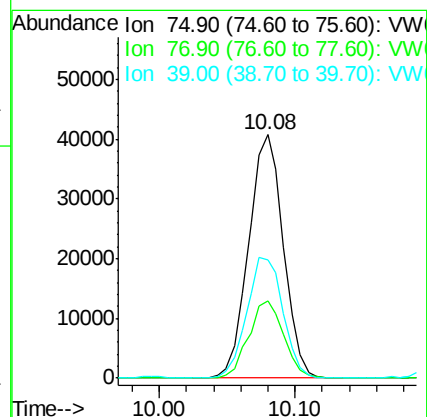
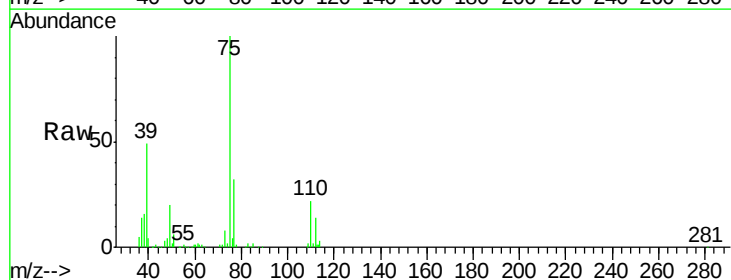
Tgt Ion: 75 Resp: 72767

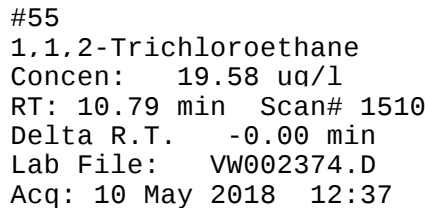
Ion Ratio Lower Upper

75 100

77 31.9 23.9 35.9

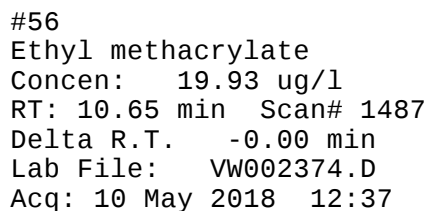
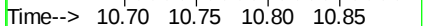
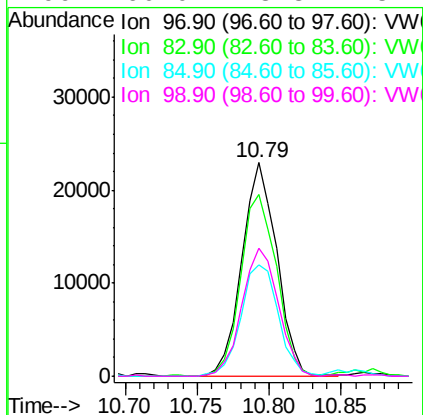
39 48.4 43.2 64.8



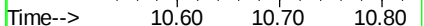
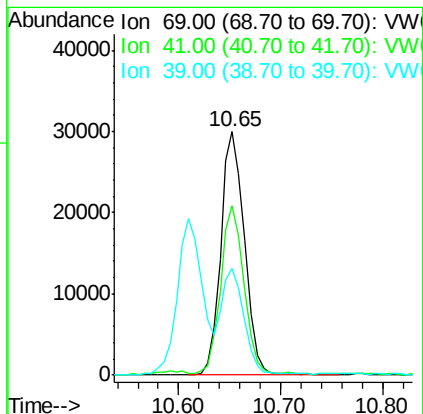


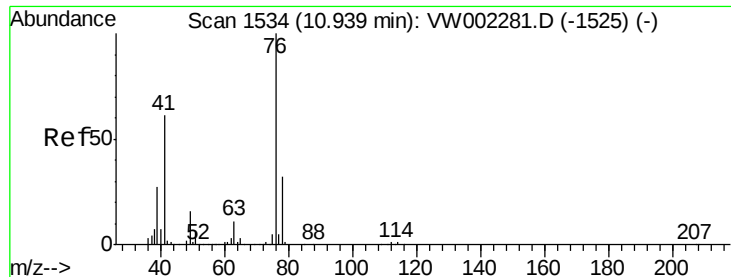
Instrument :
MSVOA_W
ClientSampleId :
VW0510SBSD02

Tat	Ion: 97	Resp:	38448
Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.4	102.6
85	52.0	44.6	67.0
99	60.0	48.8	73.2



Tgt	Ion: 69	Resp:	48377
Ion	Ratio	Lower	Upper
69	100		
41	67.5	56.0	84.0
39	40.9	32.7	49.1

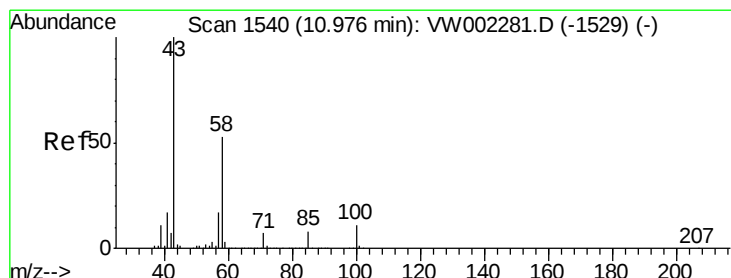
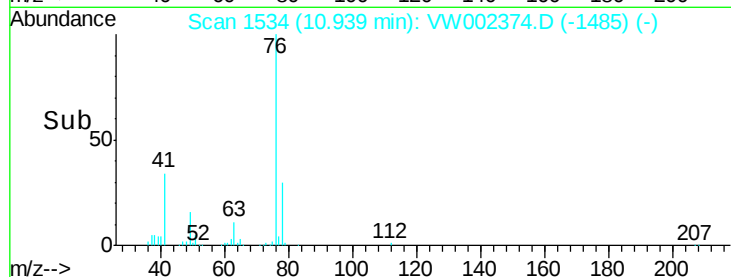
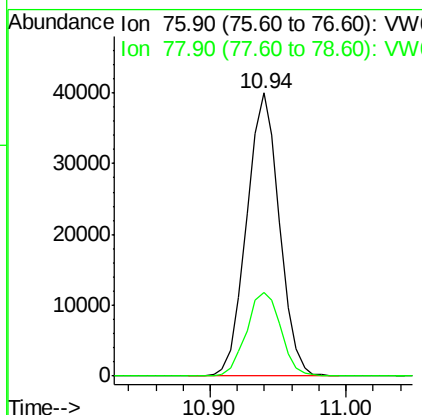
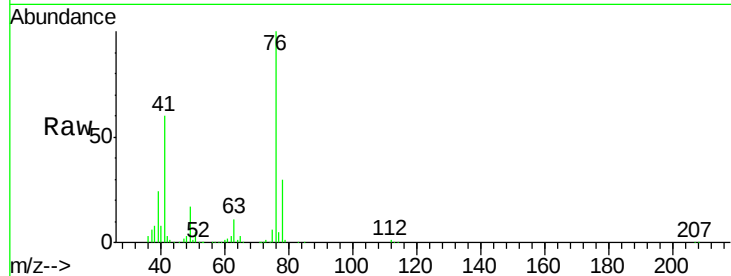




#57
 1,3-Dichloropropane
 Concen: 20.19 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

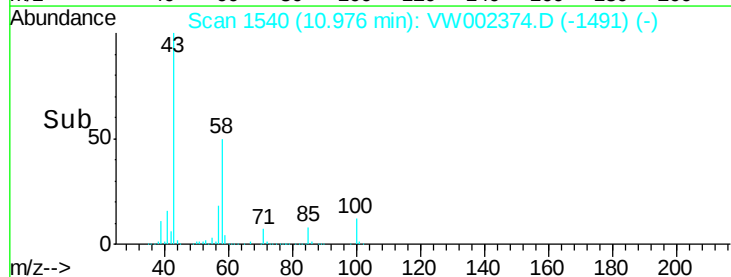
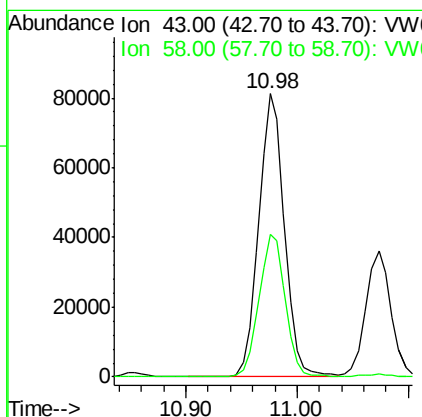
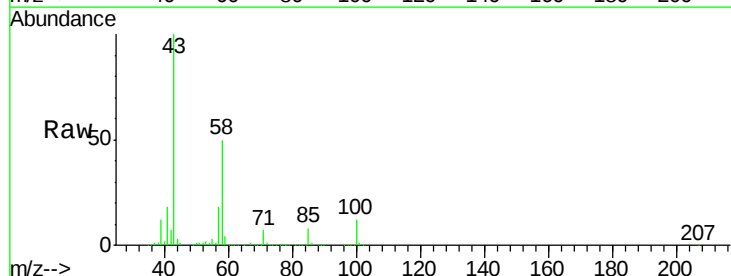
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBSD02

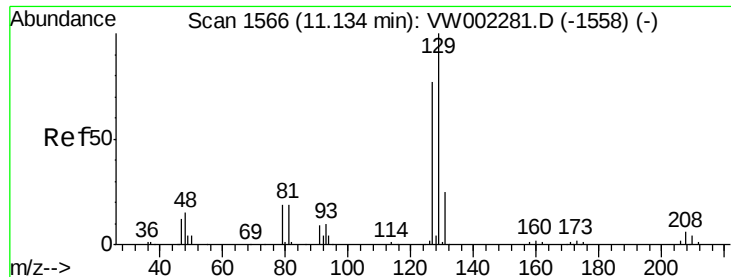
Tot Ion: 76 Resp: 67399
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.7 38.5



#59
 2-Hexanone
 Concen: 110.34 ug/l
 RT: 10.98 min Scan# 1540
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Tgt Ion: 43 Resp: 131112
 Ion Ratio Lower Upper
 43 100
 58 51.4 26.0 78.0





#60

Dibromochloromethane

Concen: 19.43 ug/l

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

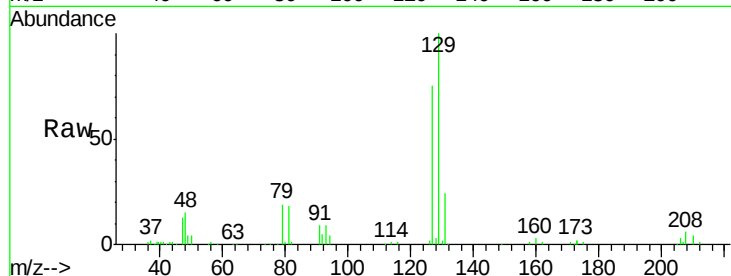
VW0510SBSD02

Tot Ion:129 Resp: 45021

Ion Ratio Lower Upper

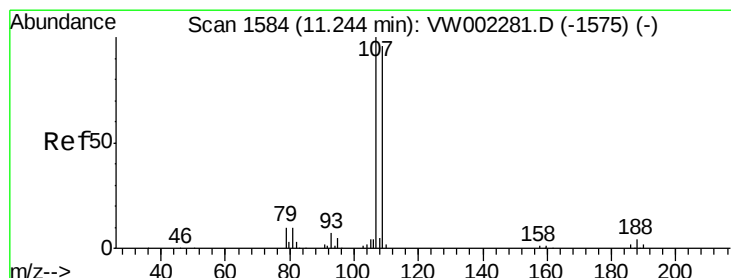
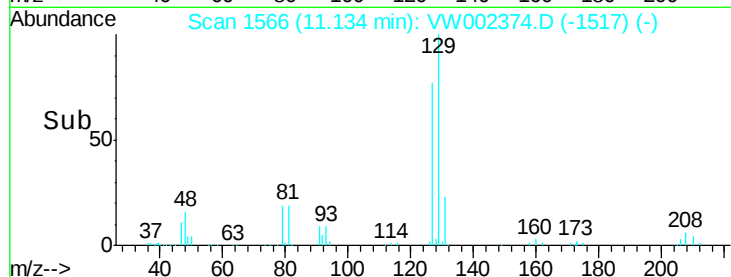
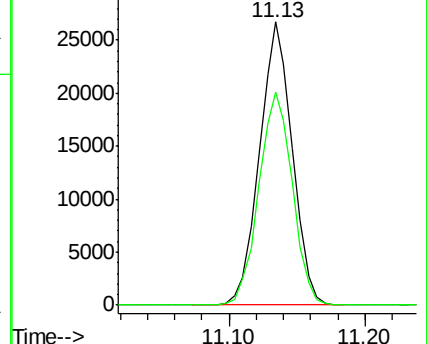
129 100

127 77.0 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 20.32 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VW002374.D

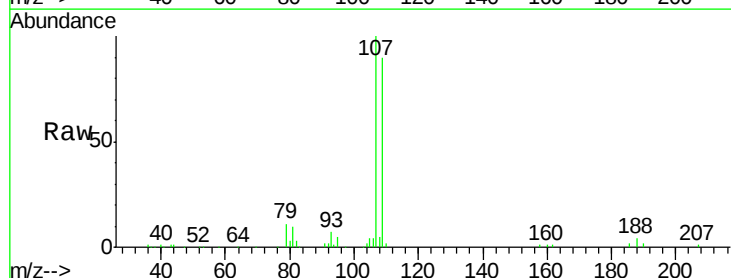
Acq: 10 May 2018 12:37

Tgt Ion:107 Resp: 39004

Ion Ratio Lower Upper

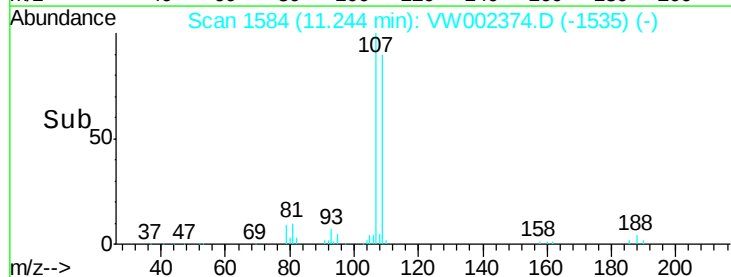
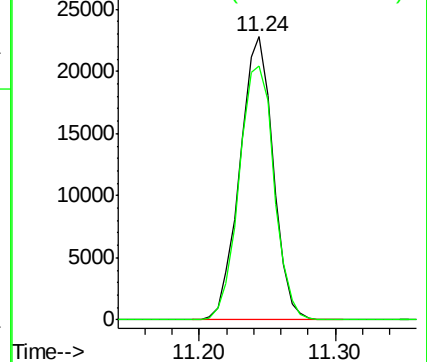
107 100

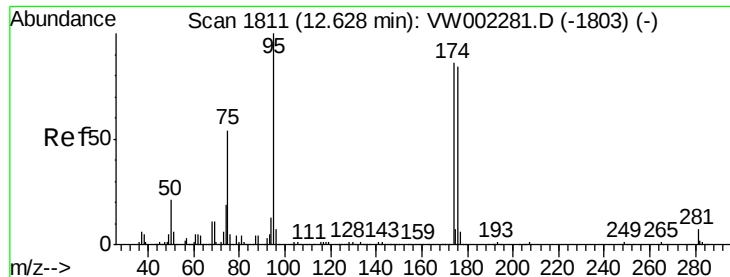
109 94.2 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

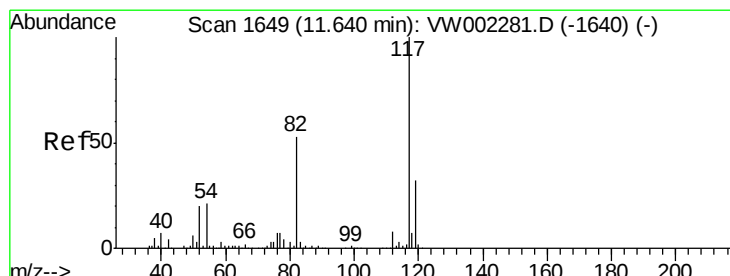
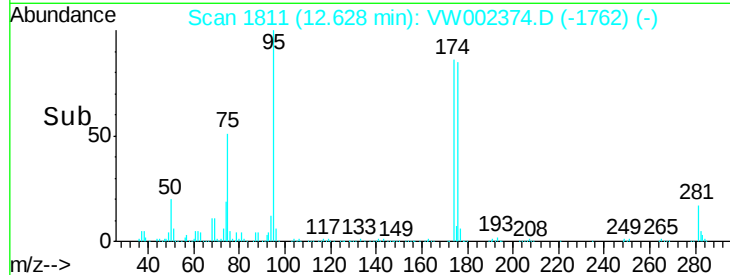
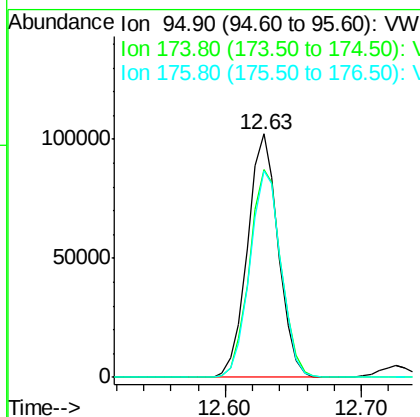
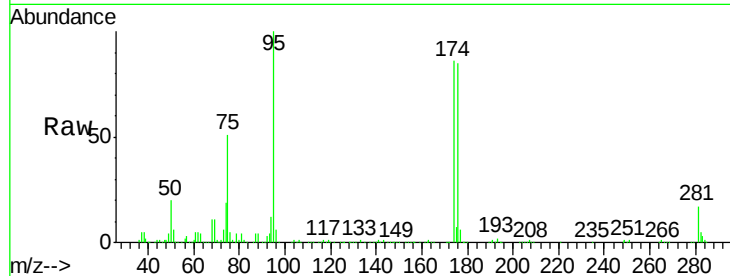




#62
4-Bromofluorobenzene
Concen: 48.70 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

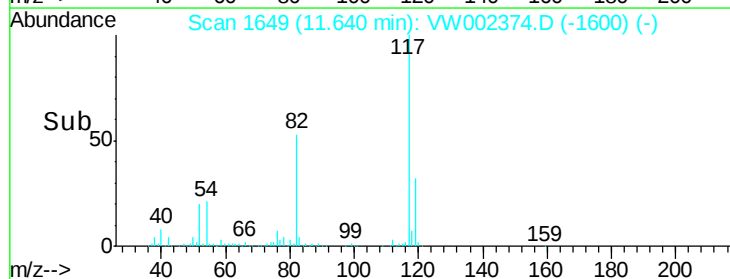
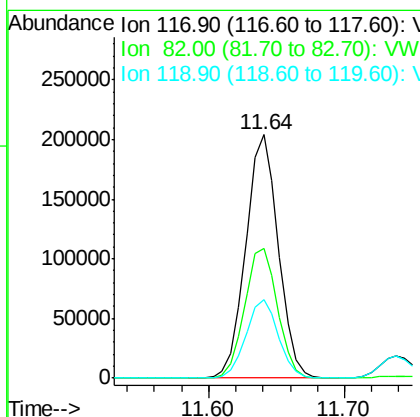
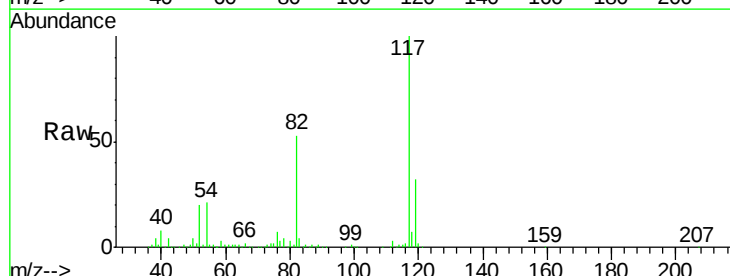
Instrument :
MSVOA_W
ClientSampleId :
VW0510SBSD02

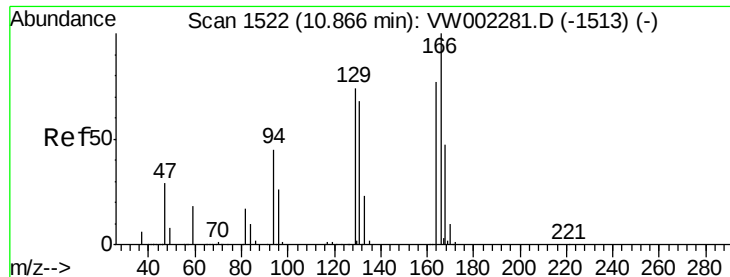
Tot Ion: 95 Resp: 161990
Ion Ratio Lower Upper
95 100
174 88.0 0.0 176.8
176 85.9 0.0 170.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

Tgt Ion: 117 Resp: 340711
Ion Ratio Lower Upper
117 100
82 53.0 42.6 63.8
119 32.5 25.2 37.8





#64

Tetrachloroethene

Concen: 18.11 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBSD02

Tot Ion:164 Resp: 47501

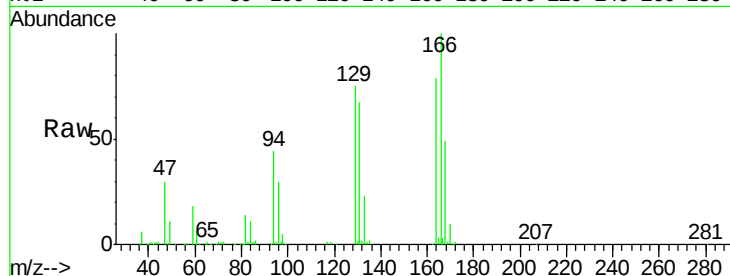
Ion Ratio Lower Upper

164 100

166 126.1 103.3 154.9

129 95.2 76.6 114.8

131 84.4 70.7 106.1

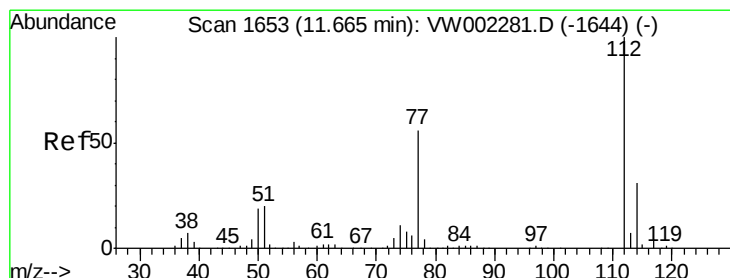
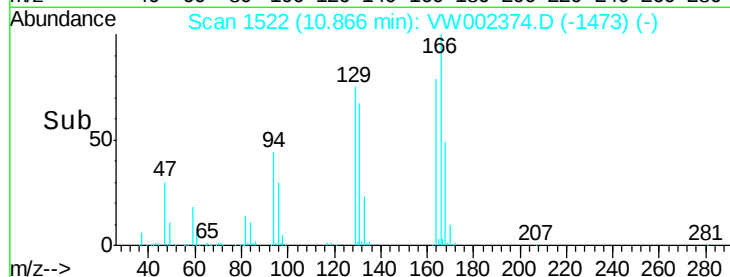
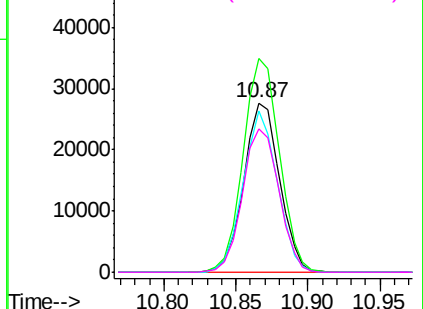


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 20.41 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW002374.D

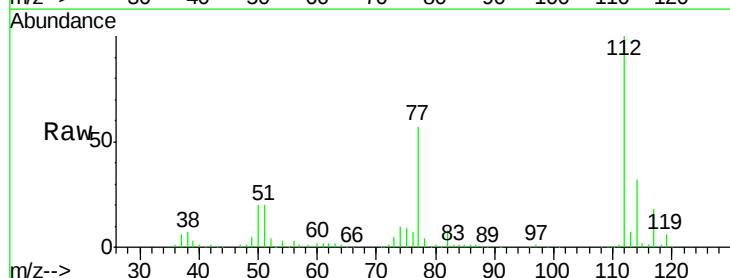
Acq: 10 May 2018 12:37

Tgt Ion:112 Resp: 142126

Ion Ratio Lower Upper

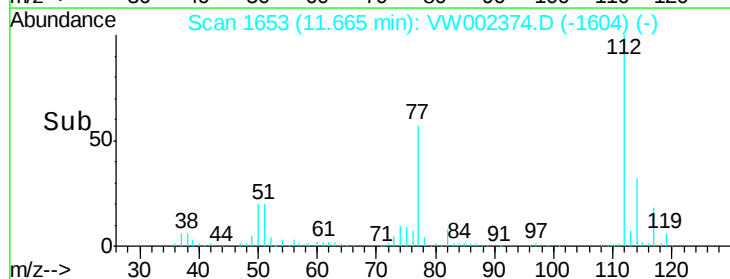
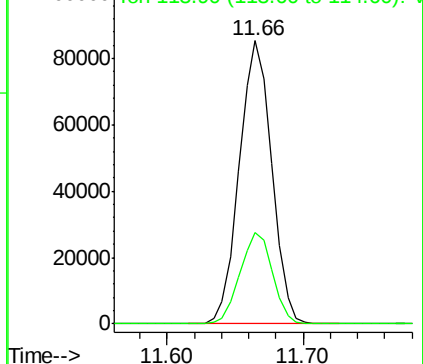
112 100

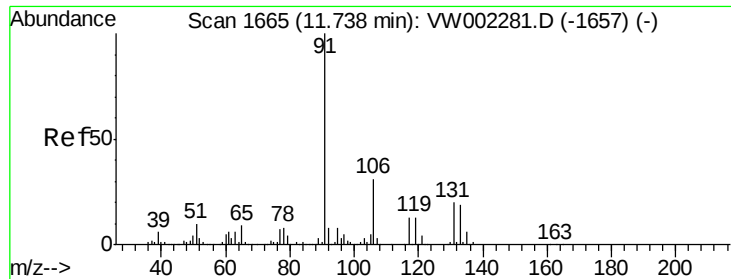
114 32.3 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

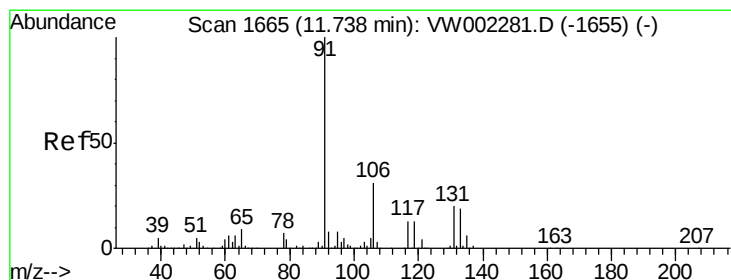
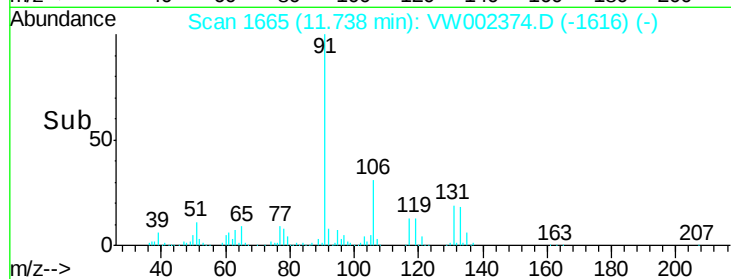
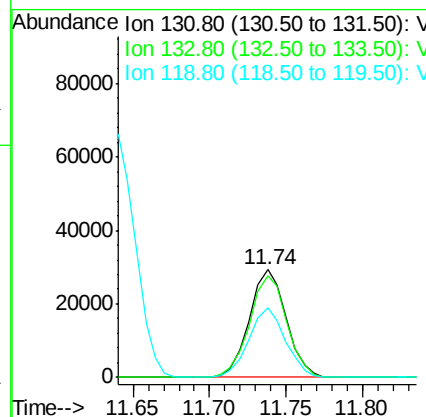
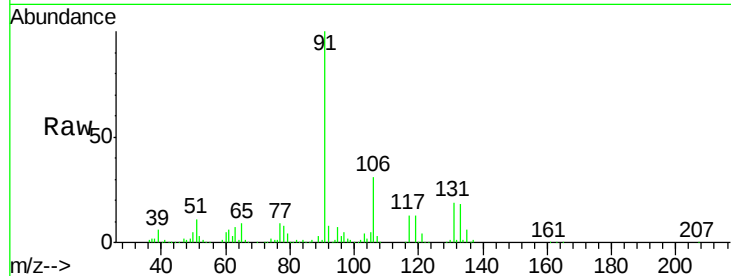




#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.75 ug/l
 RT: 11.74 min Scan# 1665
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

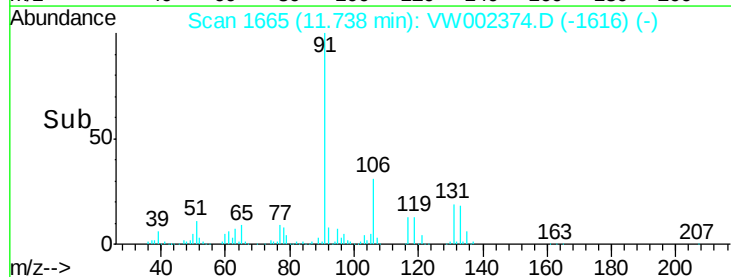
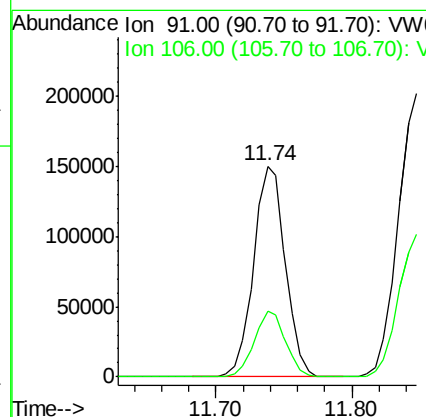
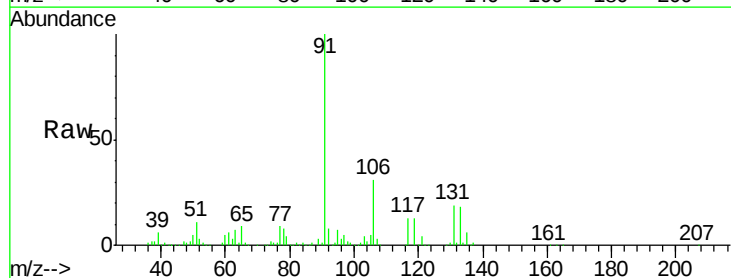
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBSD02

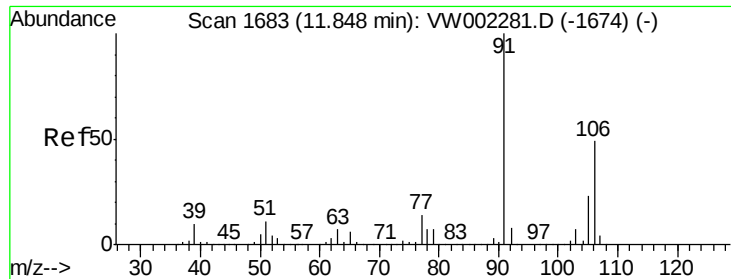
Tot Ion:131 Resp: 49000
 Ion Ratio Lower Upper
 131 100
 133 95.6 47.8 143.3
 119 64.3 32.0 96.0



#67
 Ethyl Benzene
 Concen: 20.51 ug/l
 RT: 11.74 min Scan# 1665
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Tgt Ion: 91 Resp: 245444
 Ion Ratio Lower Upper
 91 100
 106 31.3 24.9 37.3

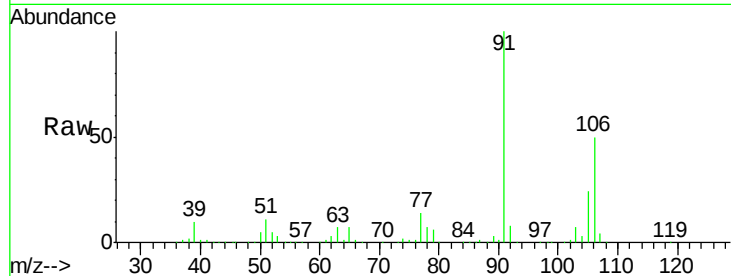




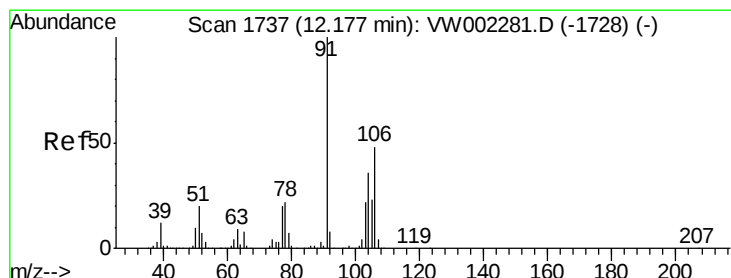
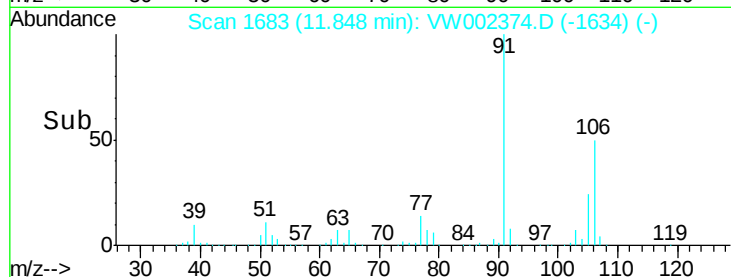
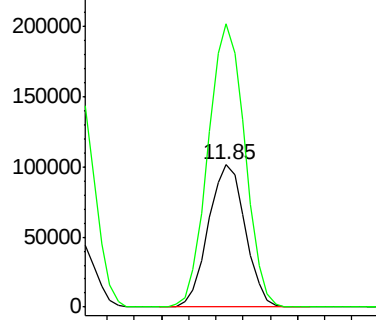
#68
m/p-Xylenes
Concen: 41.57 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

Instrument :
MSVOA_W
ClientSampled :
VW0510SBSD02

Tot Ion:106 Resp: 191938
Ion Ratio Lower Upper
106 100
91 198.6 161.4 242.0

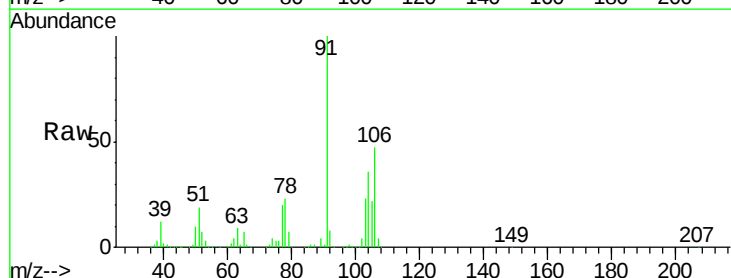


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

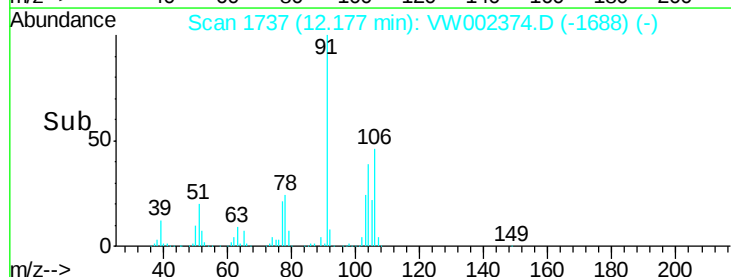
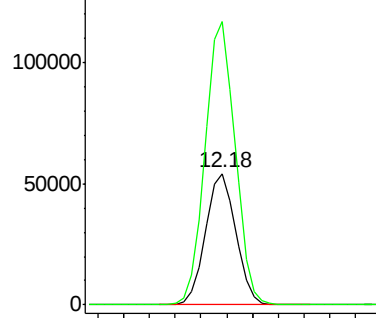


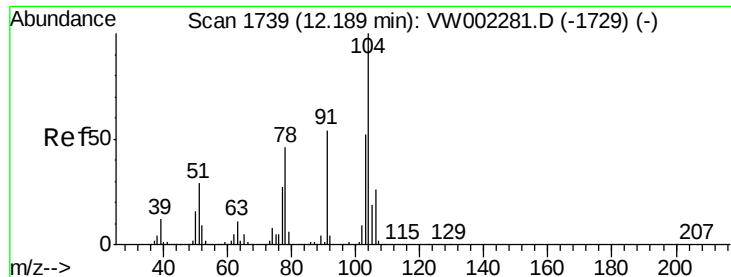
#69
o-Xylene
Concen: 20.14 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

Tgt Ion:106 Resp: 88431
Ion Ratio Lower Upper
106 100
91 213.8 107.1 321.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

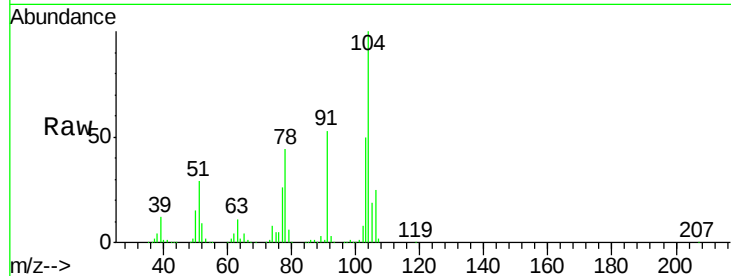




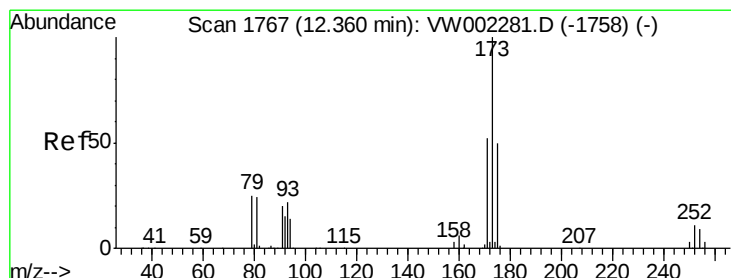
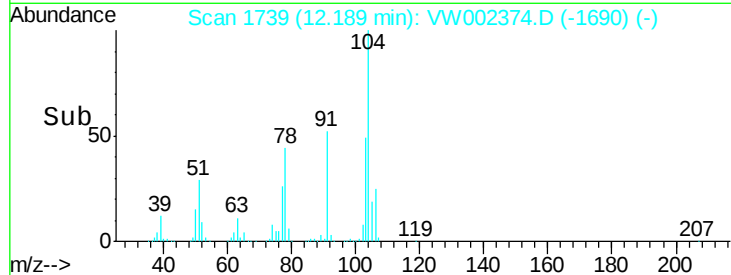
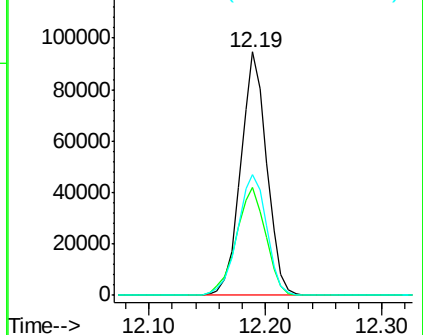
#70
Stvrene
Concen: 20.20 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBSD02

Tot Ion:104 Resp: 147293
Ion Ratio Lower Upper
104 100
78 50.3 39.6 59.4
103 55.7 44.4 66.6

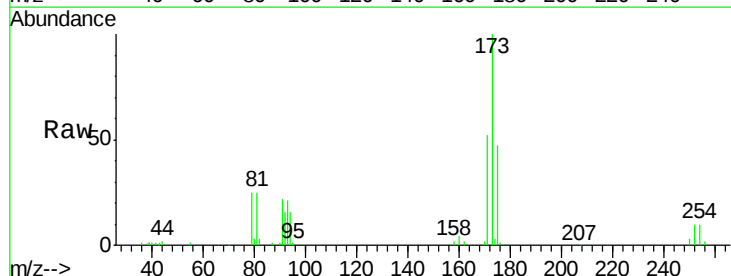


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V

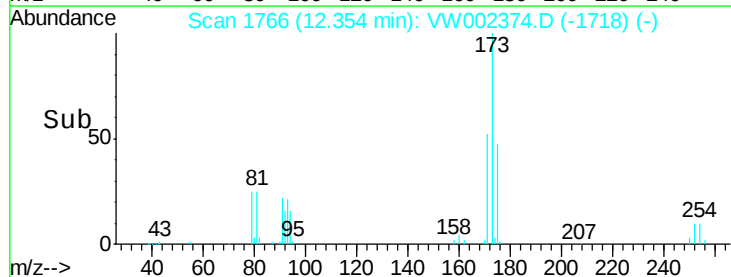
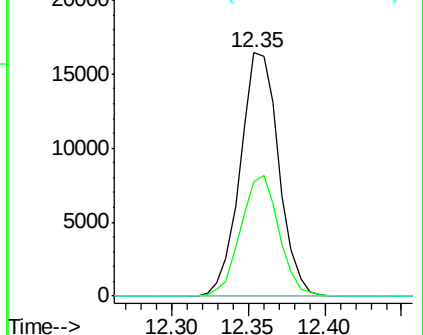


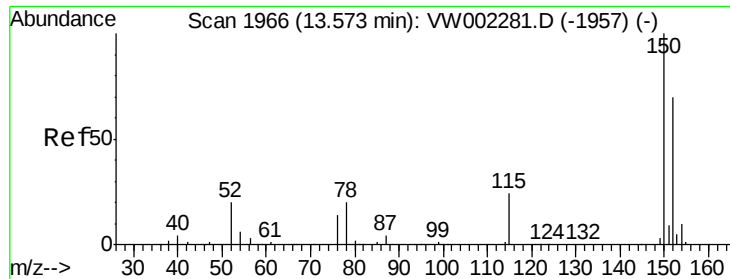
#71
Bromoform
Concen: 20.18 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. -0.01 min
Lab File: VW002374.D
Acq: 10 May 2018 12:37

Tgt Ion:173 Resp: 28713
Ion Ratio Lower Upper
173 100
175 49.2 24.3 72.9
254 0.0 0.1 0.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBSD02

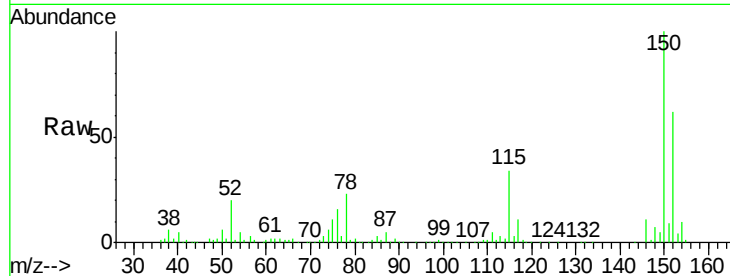
Tot Ion:152 Resp: 184501

Ion Ratio Lower Upper

152 100

115 56.2 28.5 85.5

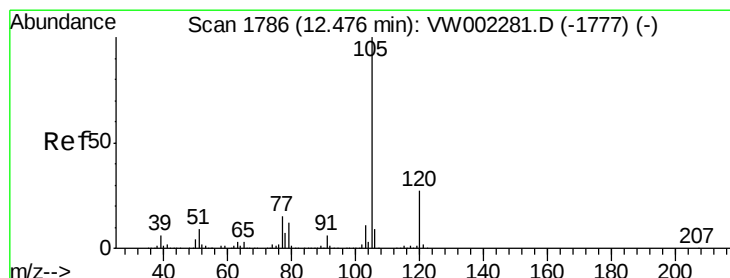
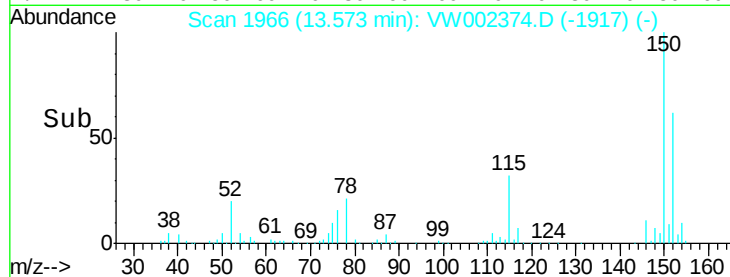
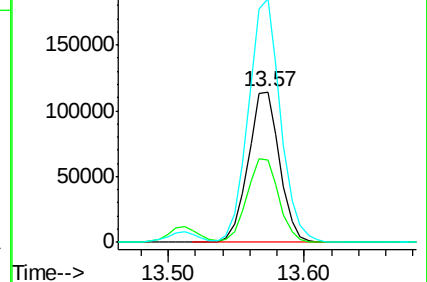
150 165.2 0.0 342.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 20.45 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002374.D

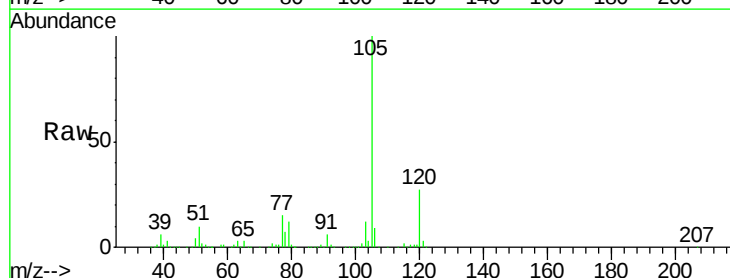
Acq: 10 May 2018 12:37

Tgt Ion:105 Resp: 245103

Ion Ratio Lower Upper

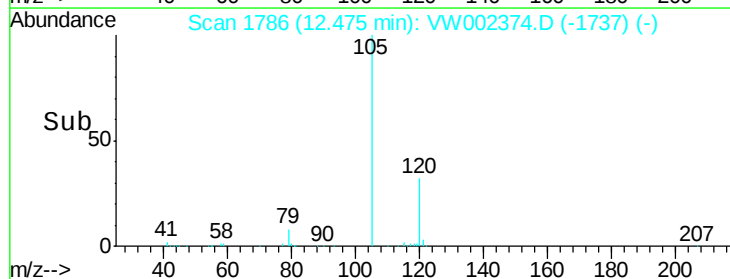
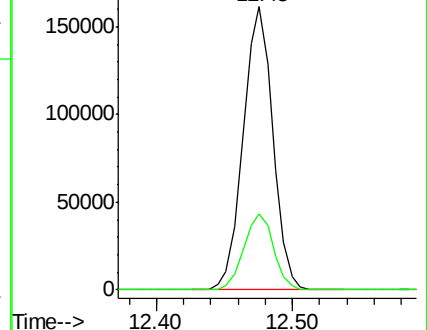
105 100

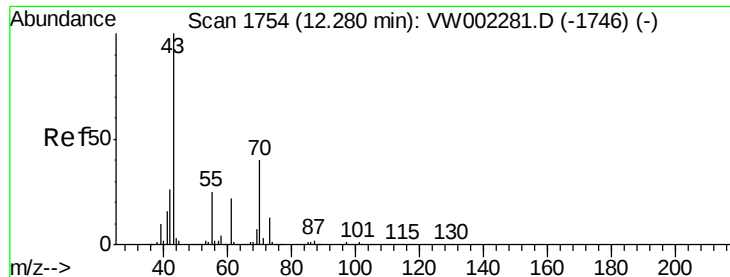
120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 20.55 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBSD02

Tot Ion: 43 Resp: 61641

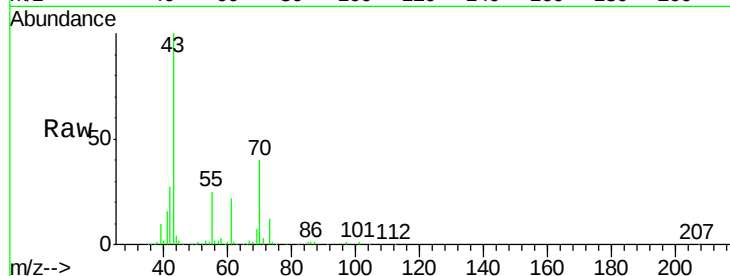
Ion Ratio Lower Upper

43 100

70 41.4 31.9 47.9

55 25.1 19.9 29.9

61 23.4 18.2 27.2

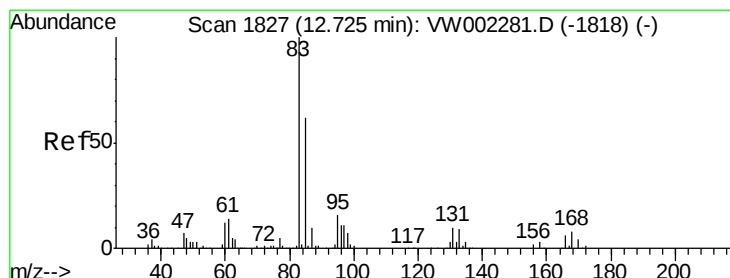
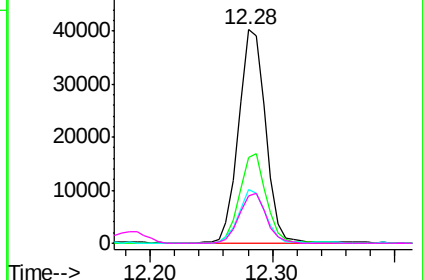
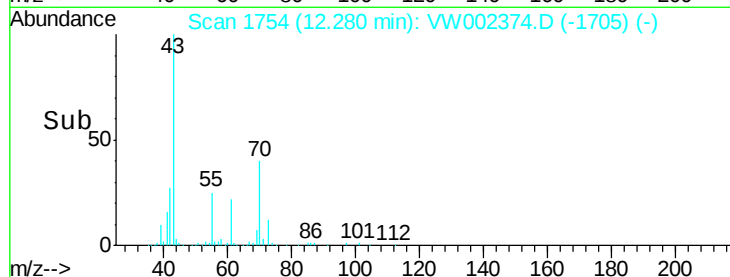


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 20.78 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

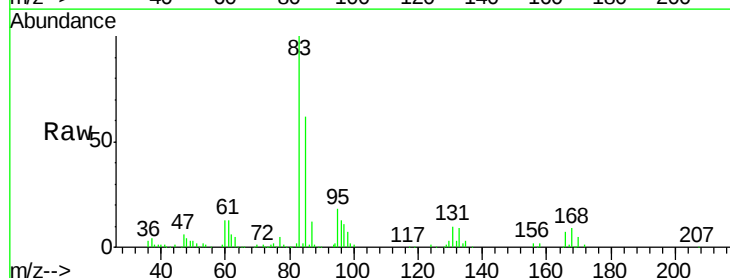
Tgt Ion: 83 Resp: 48126

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.5

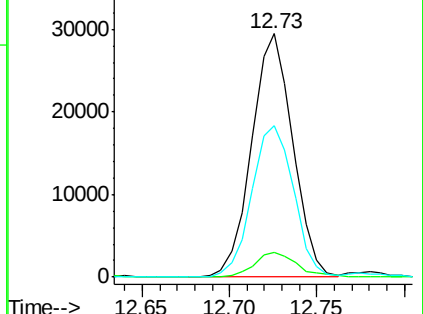
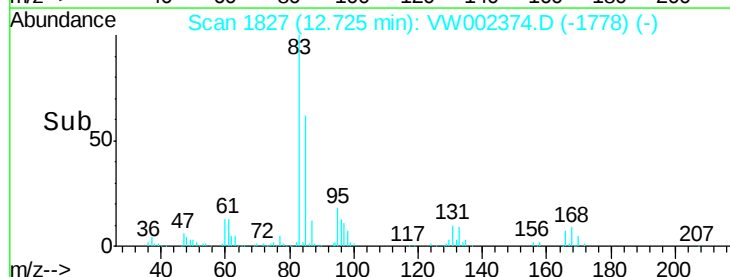
85 63.4 31.5 94.5

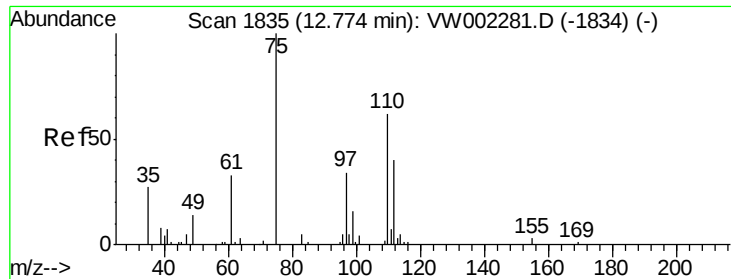


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

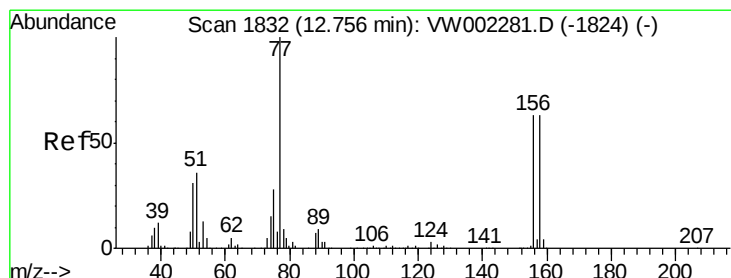
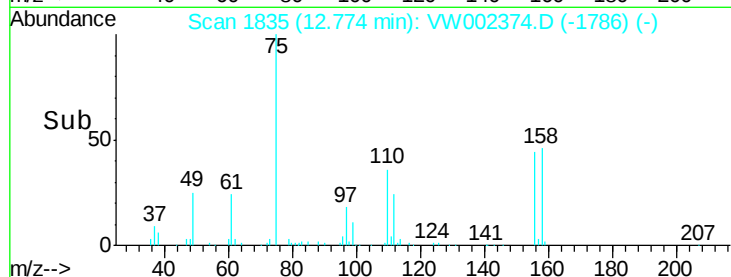
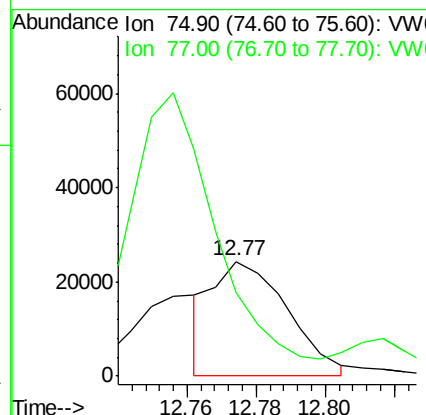
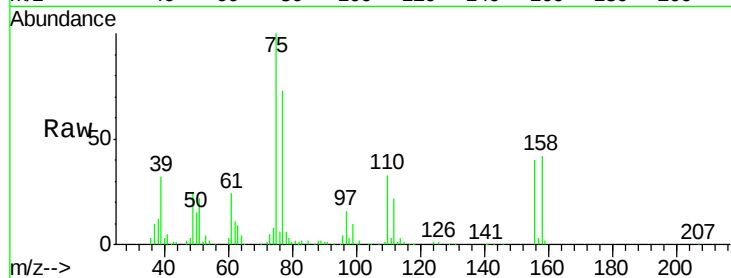




#76
 1,2,3-Trichloropropane
 Concen: 22.23 ug/l m
 RT: 12.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

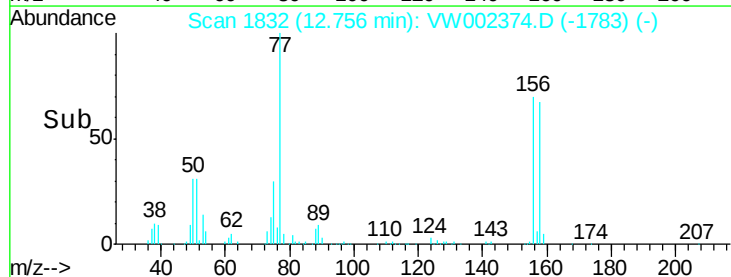
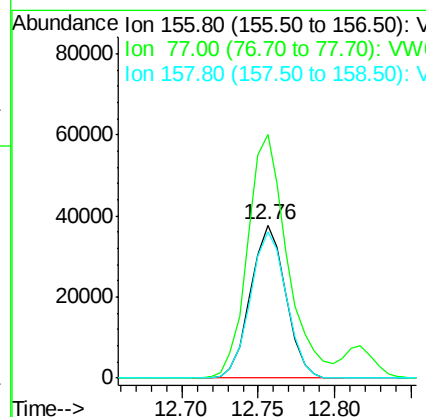
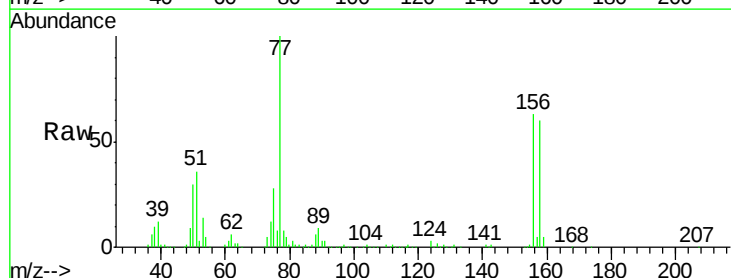
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBSD02

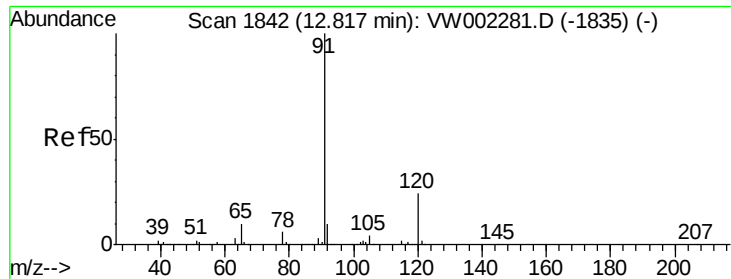
Tot Ion: 75 Resp: 36378
 Ion Ratio Lower Upper
 75 100
 77 298.3 187.5 562.6



#77
 Bromobenzene
 Concen: 20.02 ug/l
 RT: 12.76 min Scan# 1832
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Tgt Ion: 156 Resp: 60472
 Ion Ratio Lower Upper
 156 100
 77 179.5 87.7 263.1
 158 97.8 48.6 145.8





#78

n-propylbenzene

Concen: 21.09 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

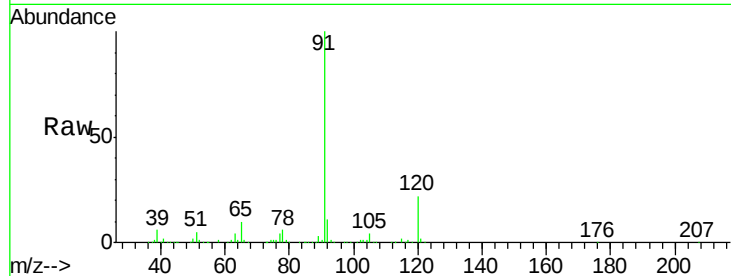
VW0510SBSD02

Tot Ion: 91 Resp: 299594

Ion Ratio Lower Upper

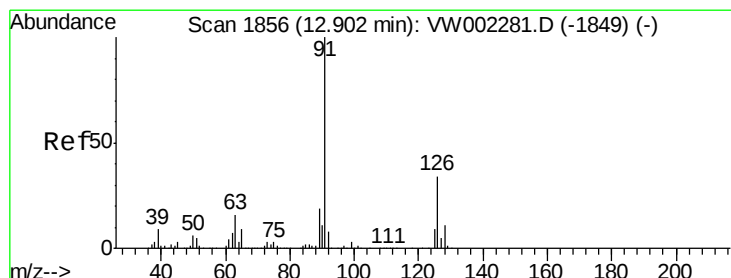
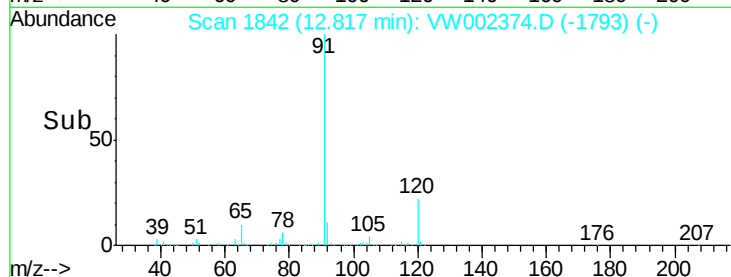
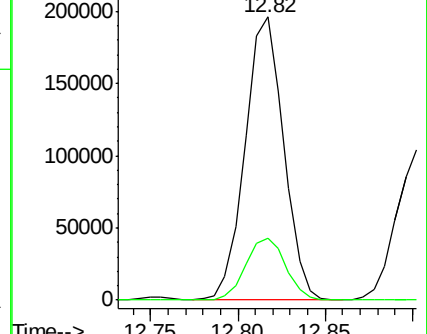
91 100

120 22.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 20.22 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VW002374.D

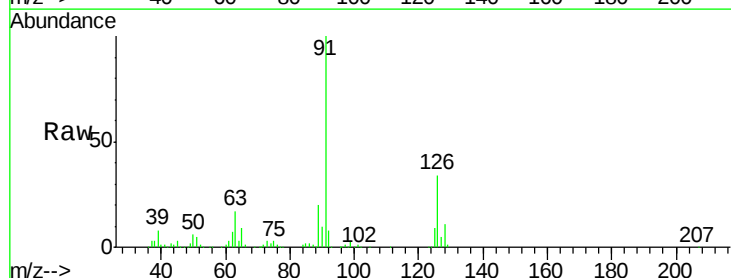
Acq: 10 May 2018 12:37

Tgt Ion: 91 Resp: 165384

Ion Ratio Lower Upper

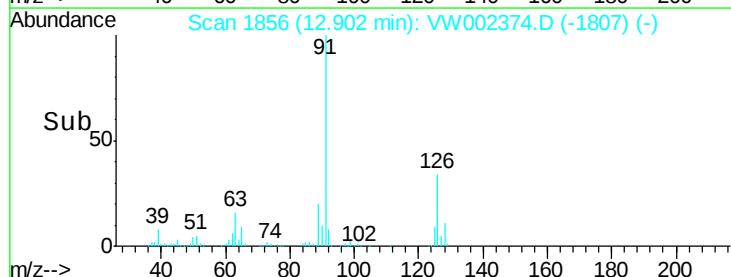
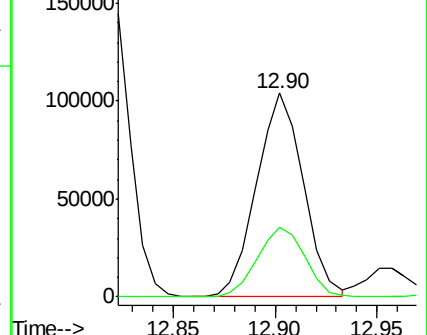
91 100

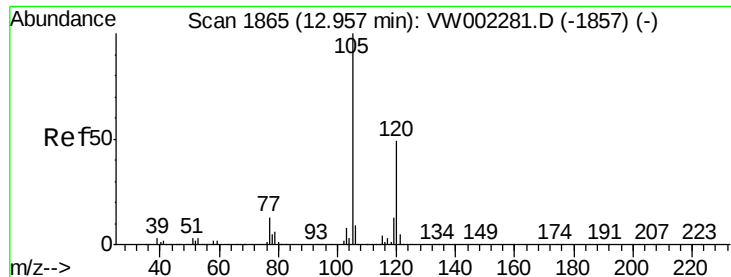
126 34.7 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 20.73 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

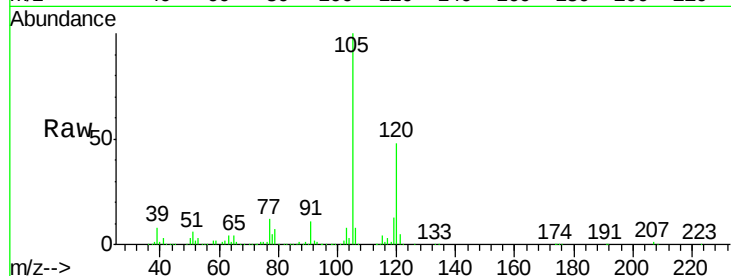
VW0510SBSD02

Tot Ion:105 Resp: 208934

Ion Ratio Lower Upper

105 100

120 49.7 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

100000

50000

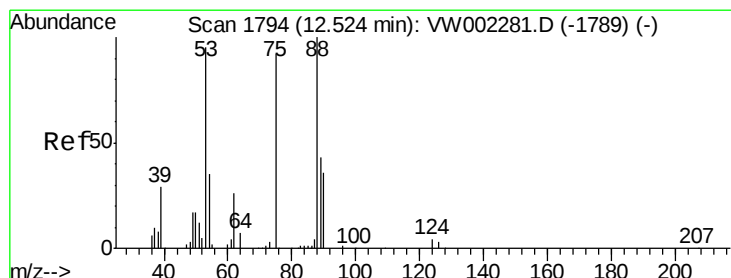
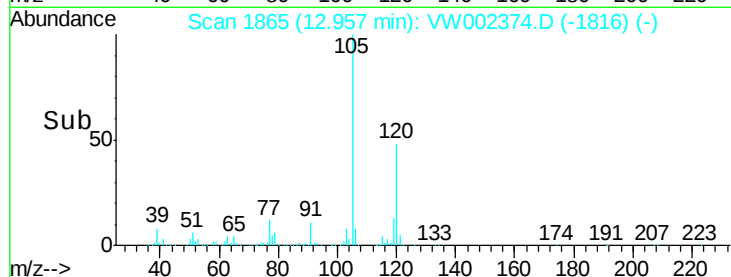
0

12.96

12.90

13.00

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 21.63 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

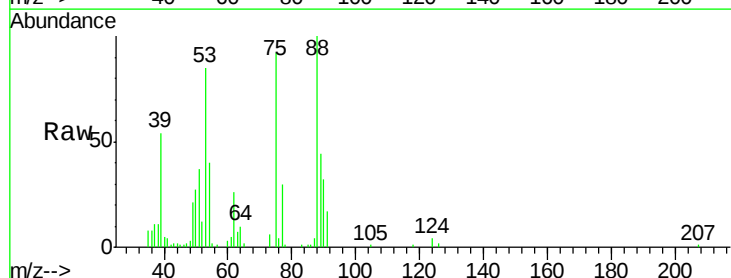
Tgt Ion: 75 Resp: 13437

Ion Ratio Lower Upper

75 100

53 108.6 79.9 119.9

89 48.2 37.6 56.4



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

15000

10000

5000

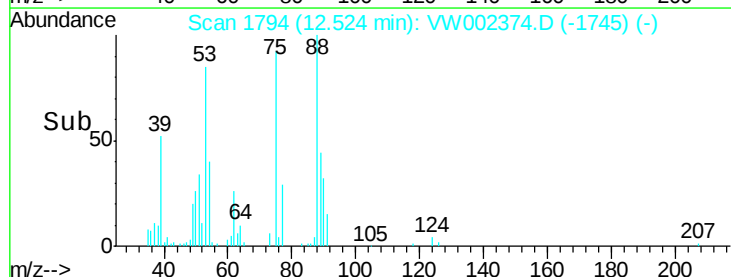
0

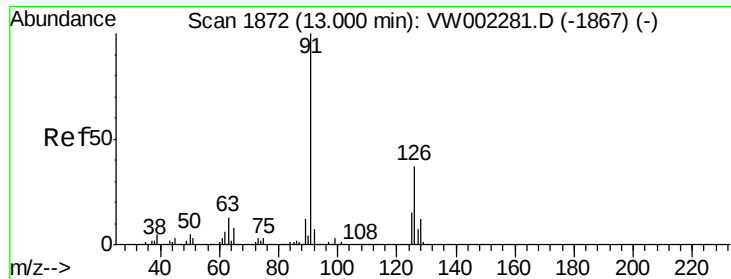
12.52

12.50

12.55

Time-->





#82

4-Chlorotoluene

Concen: 20.65 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

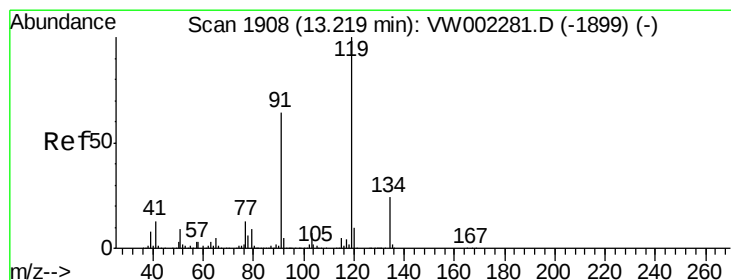
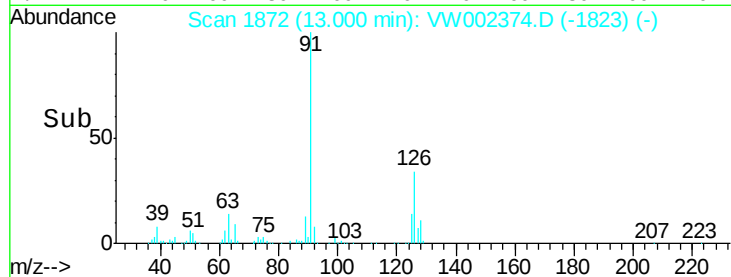
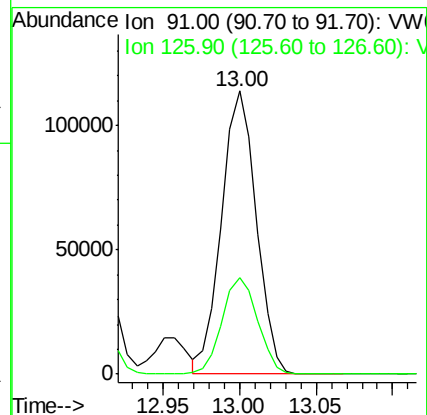
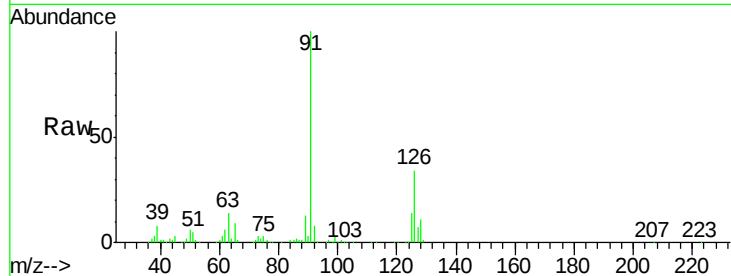
VW0510SBSD02

Tot Ion: 91 Resp: 179634

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.3



#83

tert-Butylbenzene

Concen: 21.02 ug/l

RT: 13.22 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

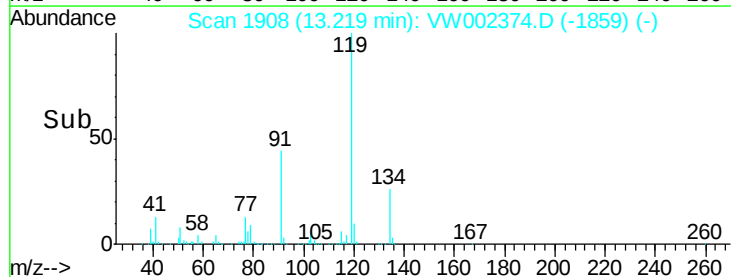
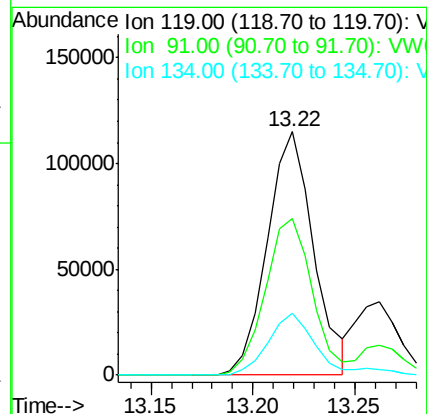
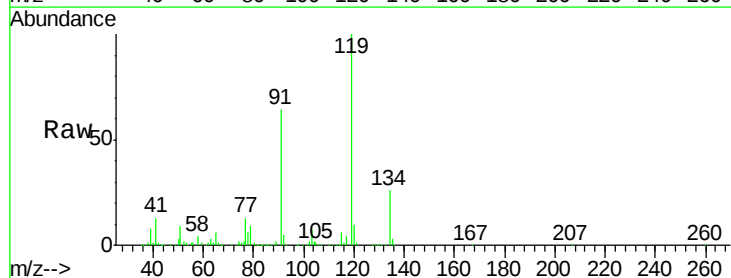
Tgt Ion: 119 Resp: 182417

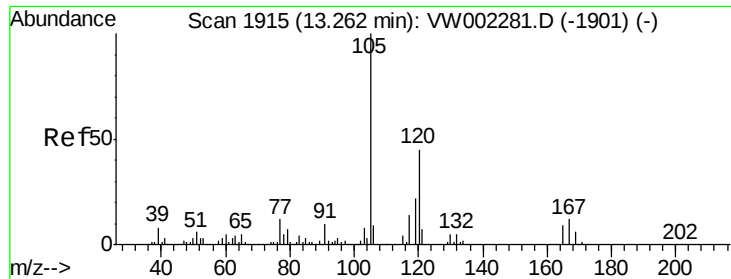
Ion Ratio Lower Upper

119 100

91 65.0 31.6 94.8

134 25.1 13.1 39.3

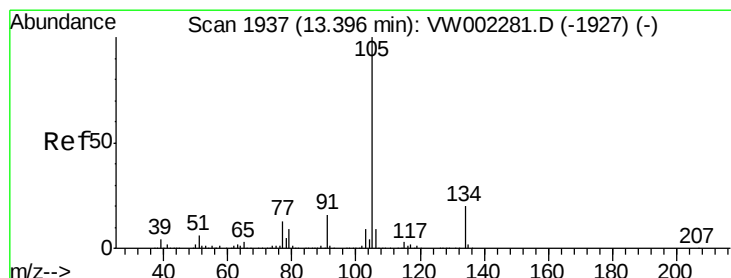
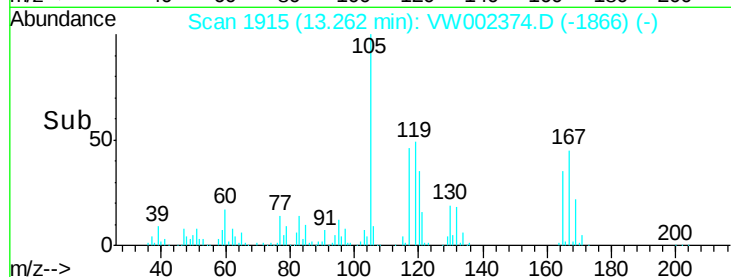
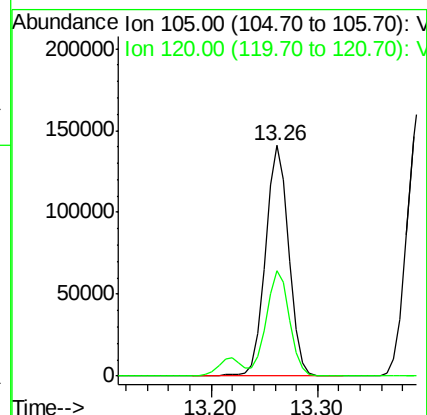
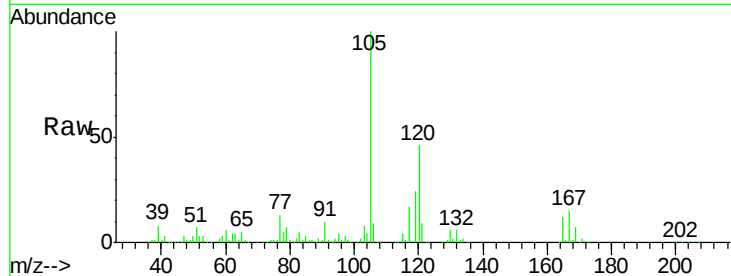




#84
 1,2,4-Trimethylbenzene
 Concen: 20.69 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

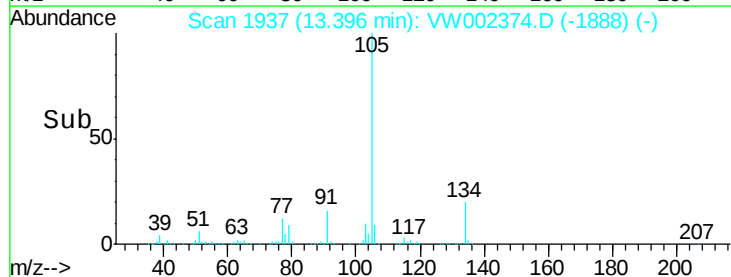
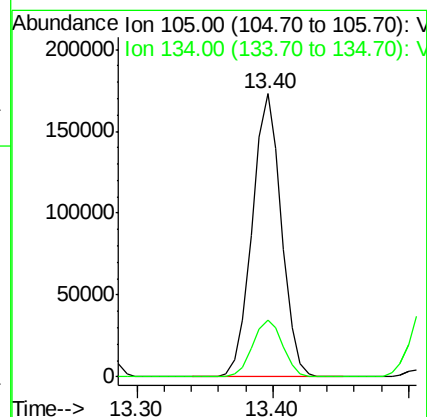
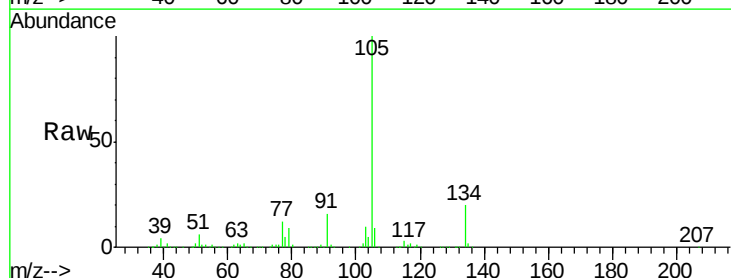
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBSD02

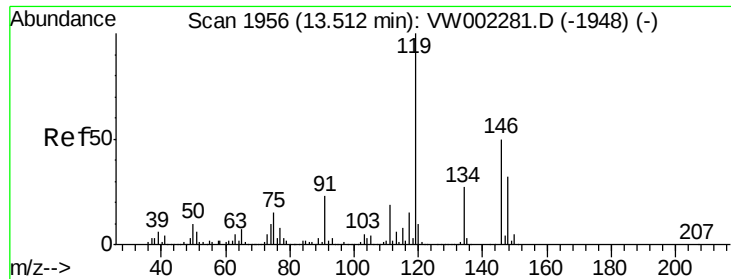
Tot Ion:105 Resp: 216203
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.5 67.5



#85
 sec-Butylbenzene
 Concen: 20.99 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Tgt Ion:105 Resp: 260100
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.8

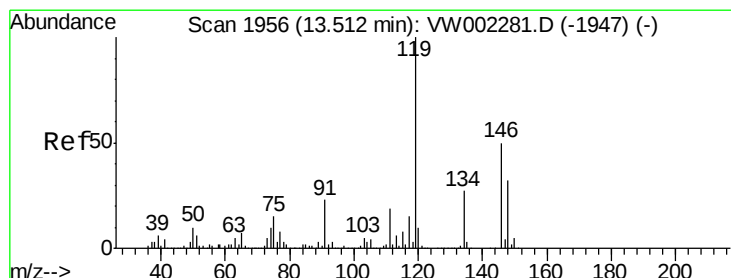
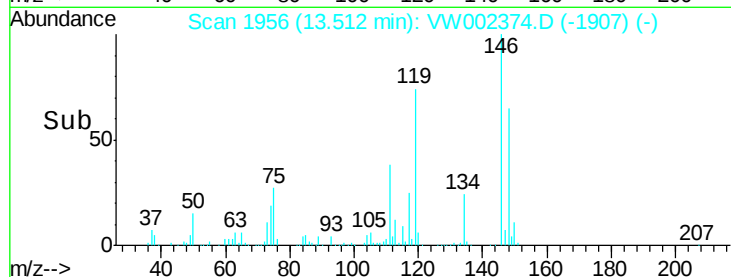
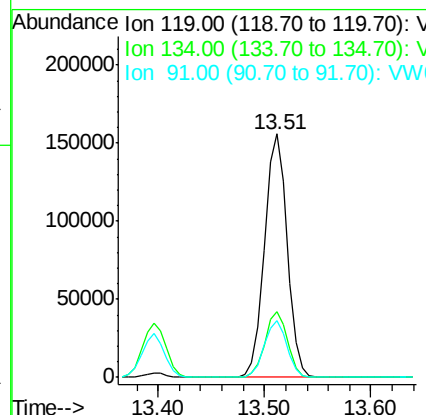
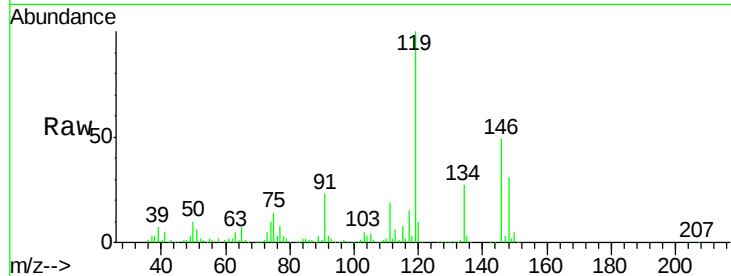




#86
 p-Isopropyltoluene
 Concen: 20.96 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

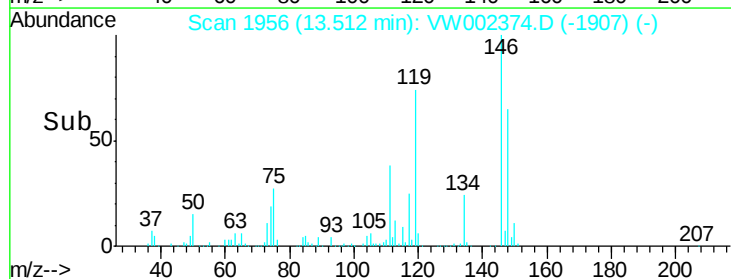
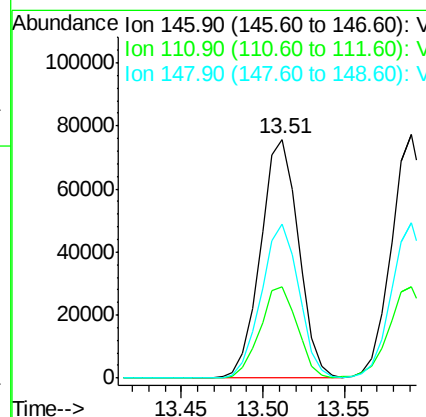
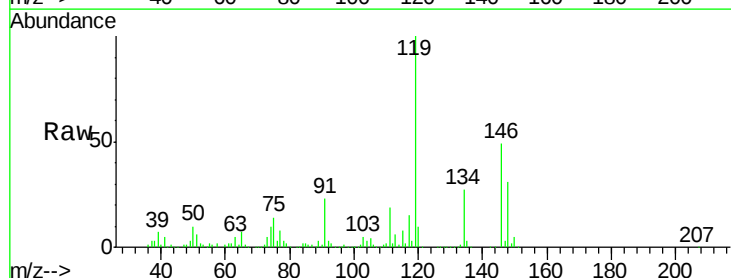
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBSD02

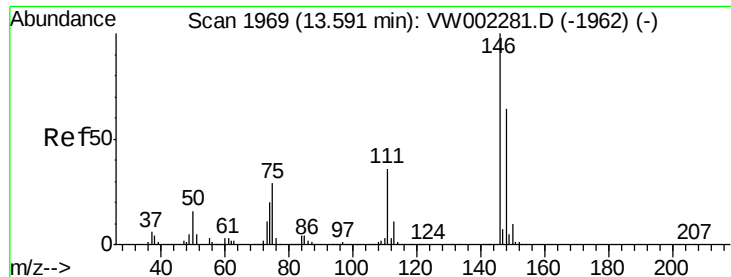
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.3	39.9
91	23.2	11.8	35.3



#87
 1,3-Dichlorobenzene
 Concen: 20.52 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.3	57.8
148	64.2	31.6	95.0





#88

1,4-Dichlorobenzene

Concen: 20.56 ug/l

RT: 13.59 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBSD02

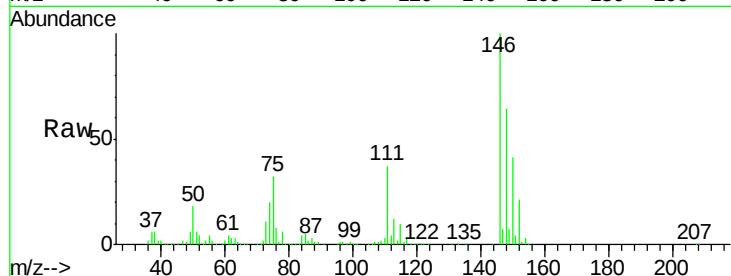
Tot Ion:146 Resp: 122728

Ion Ratio Lower Upper

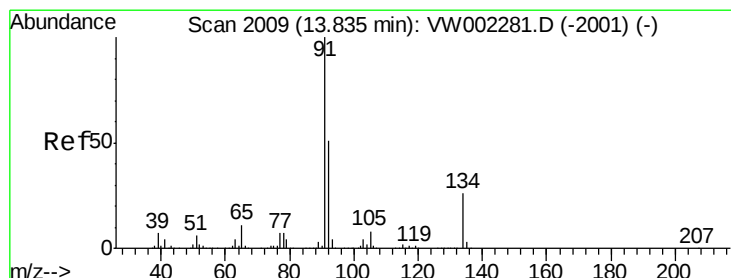
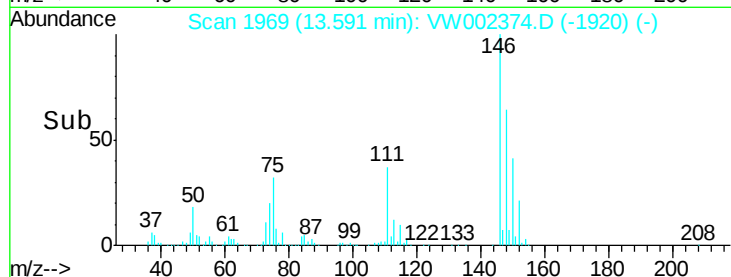
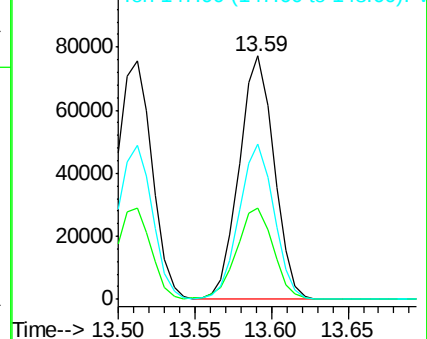
146 100

111 39.4 19.0 57.0

148 63.7 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 21.37 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

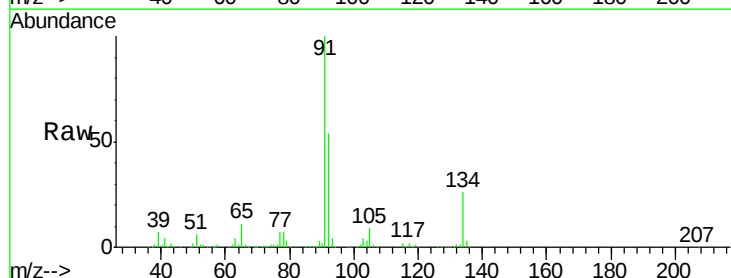
Tgt Ion: 91 Resp: 221526

Ion Ratio Lower Upper

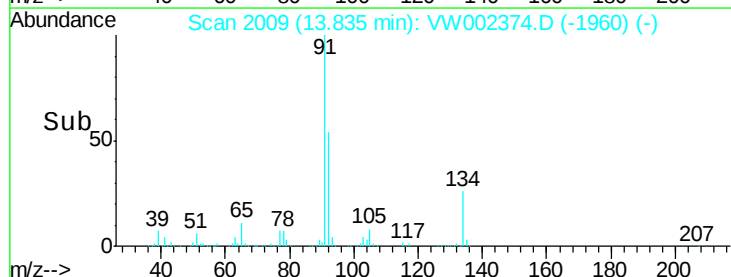
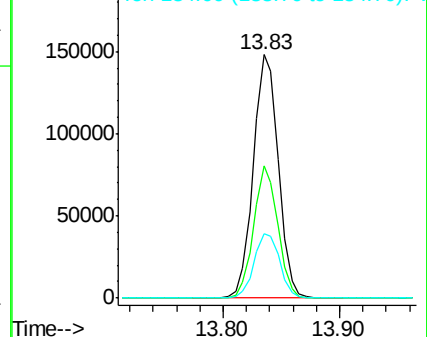
91 100

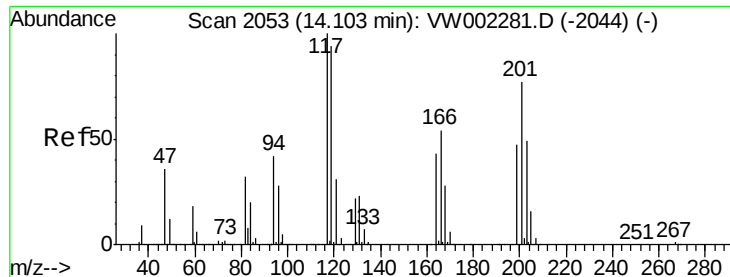
92 52.5 25.9 77.8

134 27.2 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 20.08 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

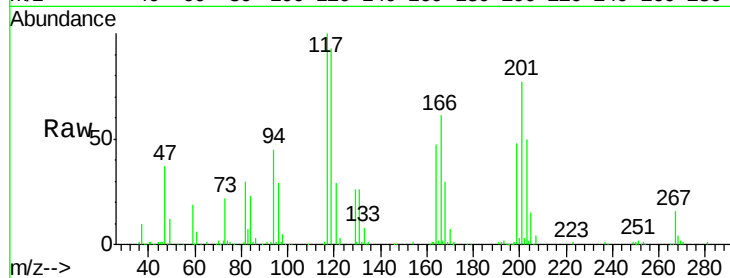
VW0510SBSD02

Tot Ion:117 Resp: 39782

Ion Ratio Lower Upper

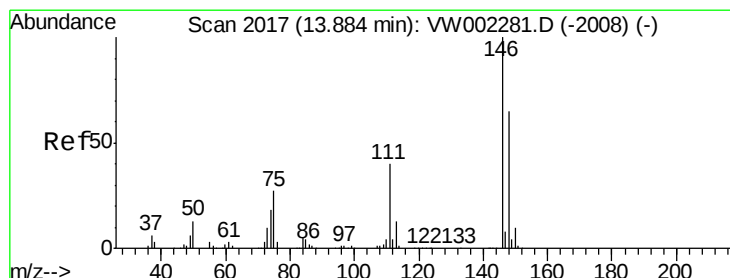
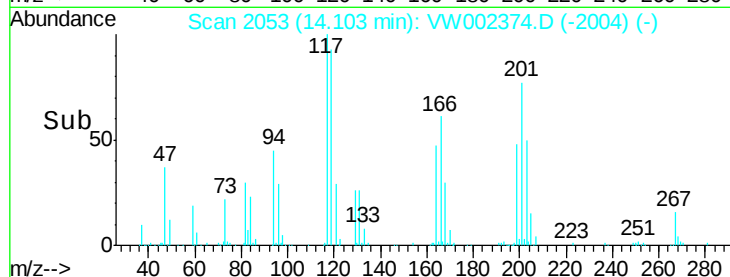
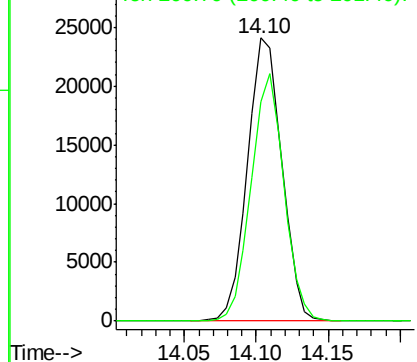
117 100

201 83.3 42.2 126.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 20.63 ug/l

RT: 13.88 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

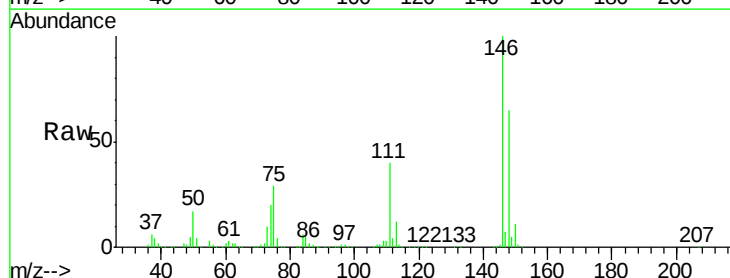
Tgt Ion:146 Resp: 111945

Ion Ratio Lower Upper

146 100

111 39.0 20.0 59.9

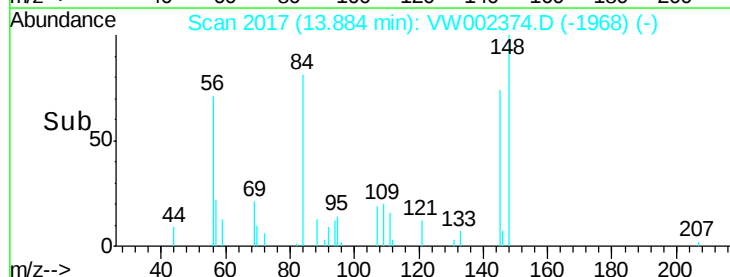
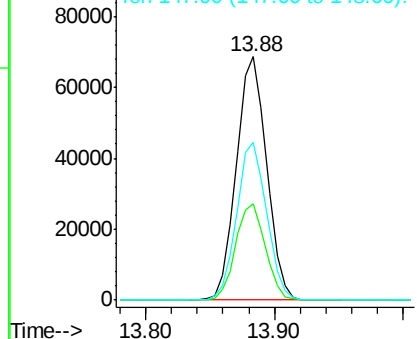
148 64.1 32.5 97.5

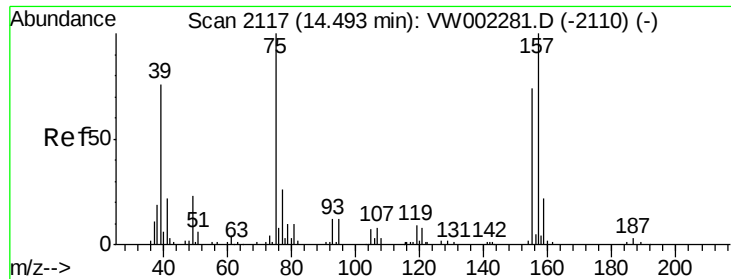


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

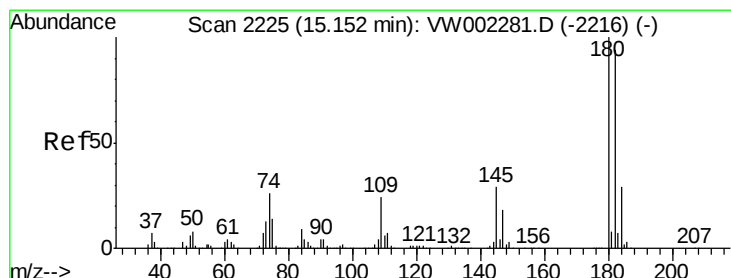
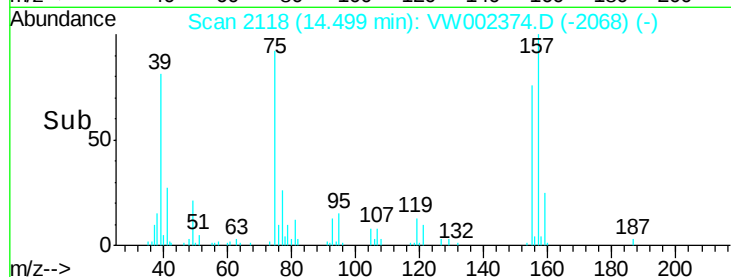
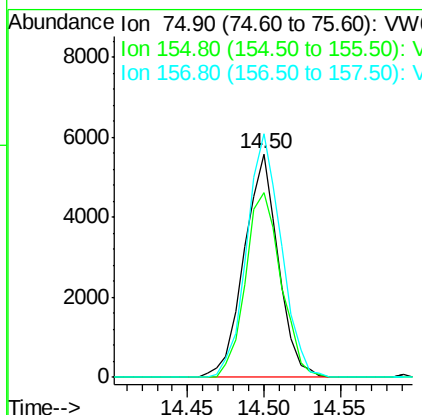
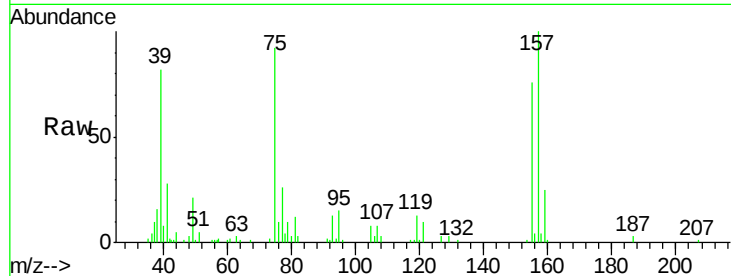




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.61 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. 0.01 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

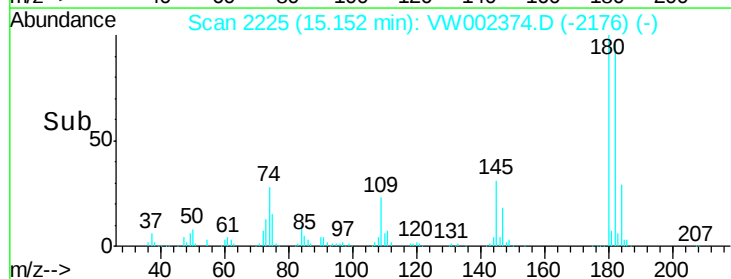
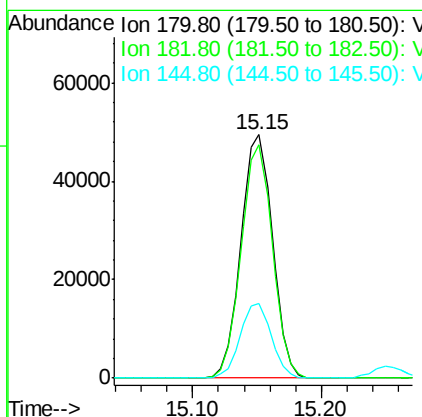
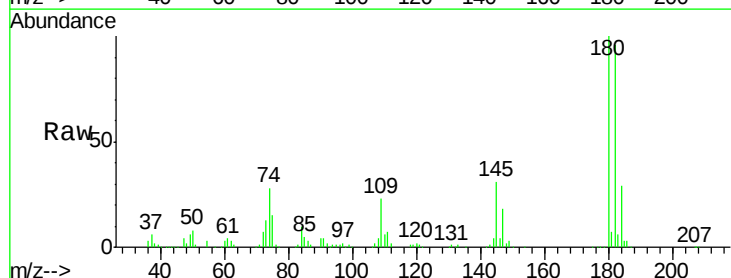
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBSD02

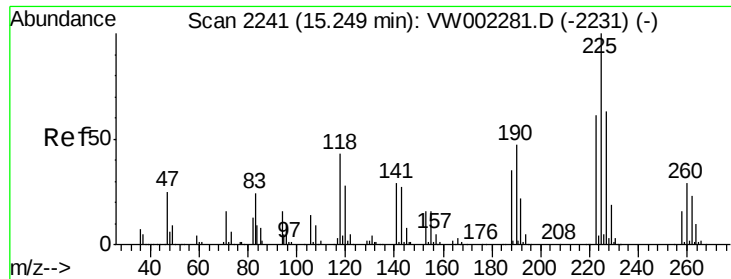
Tot Ion: 75 Resp: 8655
 Ion Ratio Lower Upper
 75 100
 155 86.0 43.3 129.8
 157 110.5 55.8 167.4



#93
 1,2,4-Trichlorobenzene
 Concen: 21.60 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Tgt Ion: 180 Resp: 83787
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.3 141.8
 145 30.3 14.5 43.6





#94

Hexachlorobutadiene

Concen: 21.47 ug/l

RT: 15.26 min Scan# 2242

Delta R.T. 0.01 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBSD02

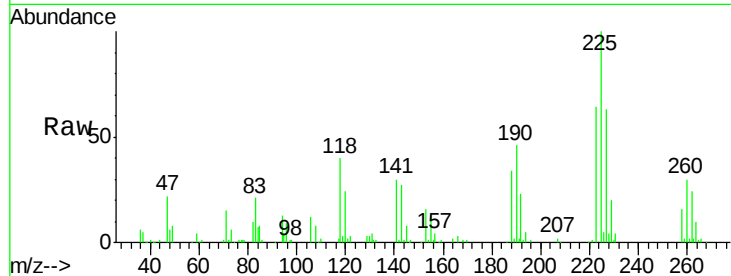
Tot Ion:225 Resp: 46378

Ion Ratio Lower Upper

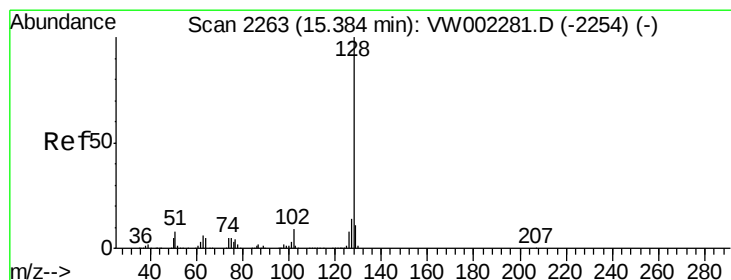
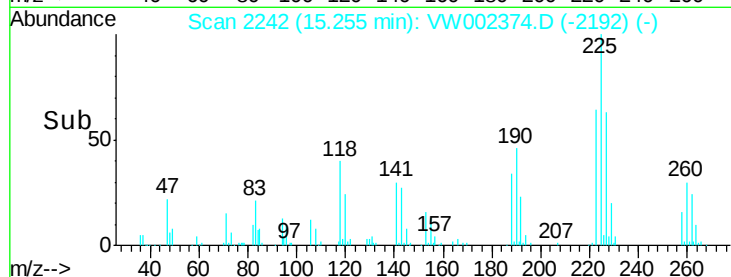
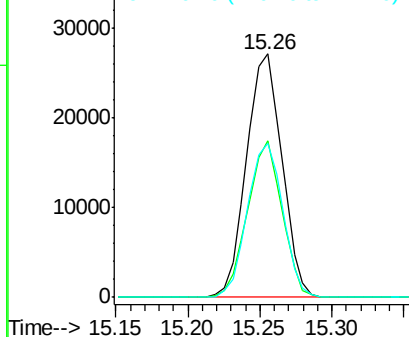
225 100

223 62.1 30.9 92.7

227 62.7 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: 21.22 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW002374.D

Acq: 10 May 2018 12:37

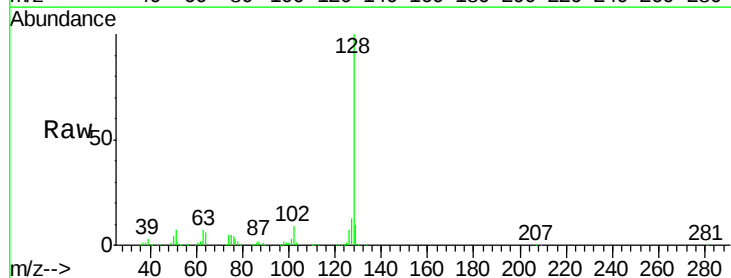
Tgt Ion:128 Resp: 151333

Ion Ratio Lower Upper

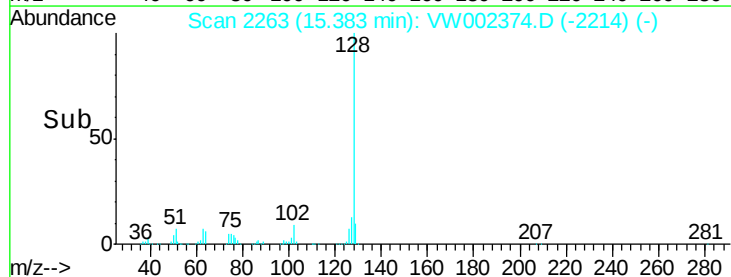
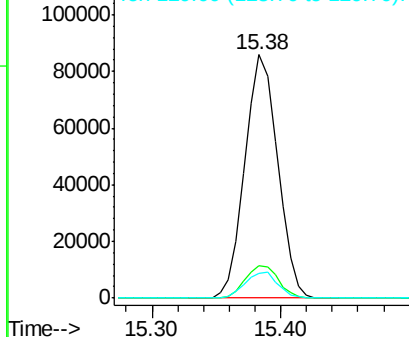
128 100

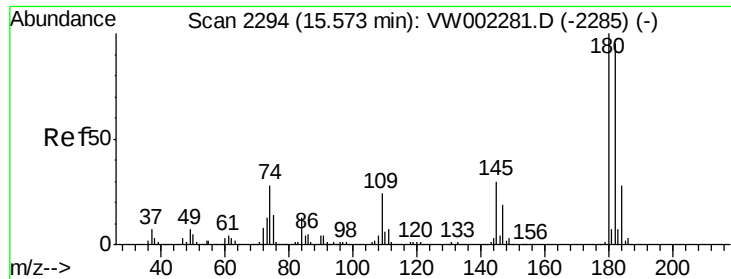
127 13.5 11.0 16.4

129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

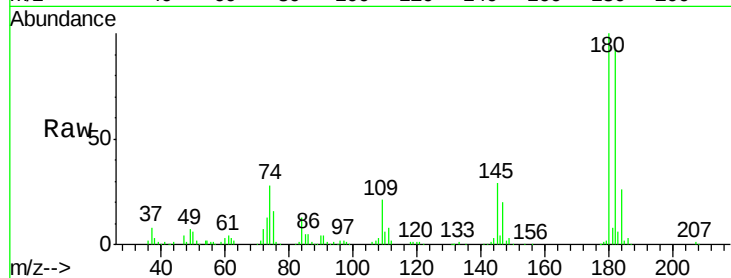




#96
 1,2,3-Trichlorobenzene
 Concen: 21.24 ug/l
 RT: 15.57 min Scan# 2294
 Delta R.T. -0.00 min
 Lab File: VW002374.D
 Acq: 10 May 2018 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.0
145	29.9	15.7	47.0



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

