

Data File : VW009257.D
Acq On : 20 Mar 2019 00:37
Operator : SY/VA
Sample : VW0319SBS02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Quant Time: Mar 20 08:16:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 07:22:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	267175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	427746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	398318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	216684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	146962	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
35) Dibromofluoromethane	7.88	113	129947	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
50) Toluene-d8	10.32	98	473904	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.62	95	177228	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	30592	17.524	ug/l	95
3) Chloromethane	2.21	50	39241	20.261	ug/l	100
4) Vinyl Chloride	2.37	62	53999	18.996	ug/l	95
5) Bromomethane	2.78	94	47737	20.593	ug/l	98
6) Chloroethane	2.93	64	44372	20.120	ug/l	96
7) Trichlorofluoromethane	3.26	101	32818	17.624	ug/l	91
8) Diethyl Ether	3.67	74	29473	21.947	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	49929	18.510	ug/l	96
10) Methyl Iodide	4.27	142	81047	20.843	ug/l #	95
11) Tert butyl alcohol	5.17	59	20408	123.695	ug/l	99
12) 1,1-Dichloroethene	4.04	96	50710	19.888	ug/l	90
13) Acrolein	3.89	56	13689	101.650	ug/l	89
14) Allyl chloride	4.65	41	74472	19.811	ug/l	95
15) Acrylonitrile	5.35	53	64145	113.654	ug/l	97
16) Acetone	4.12	43	55609	95.375	ug/l	99
17) Carbon Disulfide	4.38	76	136304	19.175	ug/l	100
18) Methyl Acetate	4.67	43	31038	20.742	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	70710	22.595	ug/l	97
20) Methylene Chloride	4.92	84	58767	22.639	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	53538	20.408	ug/l	96
22) Diisopropyl ether	6.31	45	176319	21.757	ug/l	98
23) Vinyl Acetate	6.25	43	555464	109.243	ug/l	99
24) 1,1-Dichloroethane	6.21	63	100933	20.181	ug/l	98
25) 2-Butanone	7.17	43	89486	107.111	ug/l	96
26) 2,2-Dichloropropane	7.17	77	52953	18.949	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	60271	21.207	ug/l	97
28) Bromochloromethane	7.51	49	46319	21.115	ug/l #	99
29) Tetrahydrofuran	7.53	42	59980	112.950	ug/l	99
30) Chloroform	7.67	83	107617	20.681	ug/l	98
31) Cyclohexane	7.95	56	87616	18.791	ug/l #	88
32) 1,1,1-Trichloroethane	7.87	97	81984	19.738	ug/l	96
36) 1,1-Dichloropropene	8.08	75	77929	18.308	ug/l	99
37) Ethyl Acetate	7.25	43	41506	21.369	ug/l	98
38) Carbon Tetrachloride	8.06	117	81583	18.111	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	87202	17.707	ug/l	99
40) Benzene	8.32	78	223757	19.385	ug/l	100
41) Methacrylonitrile	7.48	41	23553	22.499	ug/l	94
42) 1,2-Dichloroethane	8.40	62	79947	21.188	ug/l	98
43) Isopropyl Acetate	8.42	43	77893	20.028	ug/l	99
44) Trichloroethene	9.09	130	59037	18.671	ug/l	97
45) 1,2-Dichloropropane	9.37	63	57729	19.674	ug/l	99
46) Dibromomethane	9.46	93	33030	20.470	ug/l	99
47) Bromodichloromethane	9.64	83	81084	19.886	ug/l	99
48) Methyl methacrylate	9.43	41	37110	20.609	ug/l	99
49) 1,4-Dioxane	9.44	88	10314	412.111	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	211918	104.551	ug/l	100
52) Toluene	10.38	92	142219	19.445	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	75639	19.023	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	86253	19.282	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	45870	20.994	ug/l	95
56) Ethyl methacrylate	10.65	69	53795	20.677	ug/l	99
57) 1,3-Dichloropropane	10.93	76	79589	21.120	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	146565	192.535	ug/l	99
59) 2-Hexanone	10.97	43	143216	104.075	ug/l	100
60) Dibromochloromethane	11.12	129	53239	19.723	ug/l	100
61) 1,2-Dibromoethane	11.24	107	43034	20.680	ug/l	100
64) Tetrachloroethene	10.86	164	53959	19.781	ug/l	97
65) Chlorobenzene	11.66	112	162430	19.718	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	58030	18.860	ug/l	97
67) Ethyl Benzene	11.73	91	273723	19.184	ug/l	99
68) m/p-Xylenes	11.84	106	209945	37.962	ug/l	99
69) o-Xylene	12.16	106	97348	18.956	ug/l	97
70) Styrene	12.18	104	164425	19.419	ug/l	99
71) Bromoform	12.35	173	32822	19.529	ug/l #	98
73) Isopropylbenzene	12.46	105	268419	18.533	ug/l	100
74) N-amyl acetate	12.27	43	77070	20.400	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	55107	20.341	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	72139	35.427	ug/l #	100
77) Bromobenzene	12.75	156	68232	19.889	ug/l	96
78) n-propylbenzene	12.80	91	332467	18.691	ug/l	98
79) 2-Chlorotoluene	12.89	91	193552	19.155	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	236361	19.191	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15709	18.930	ug/l	98
82) 4-Chlorotoluene	12.99	91	207423	19.485	ug/l	100
83) tert-Butylbenzene	13.21	119	196343	18.654	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	244625	19.374	ug/l	100
85) sec-Butylbenzene	13.38	105	291606	18.749	ug/l	100
86) p-Isopropyltoluene	13.50	119	260055	18.777	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	137535	19.374	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	135176	19.124	ug/l	98
89) n-Butylbenzene	13.83	91	241437	18.160	ug/l	99
90) Hexachloroethane	14.10	117	51798	18.969	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	125313	19.685	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9642	19.876	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031919\
Quantitation Report (Not Reviewed)

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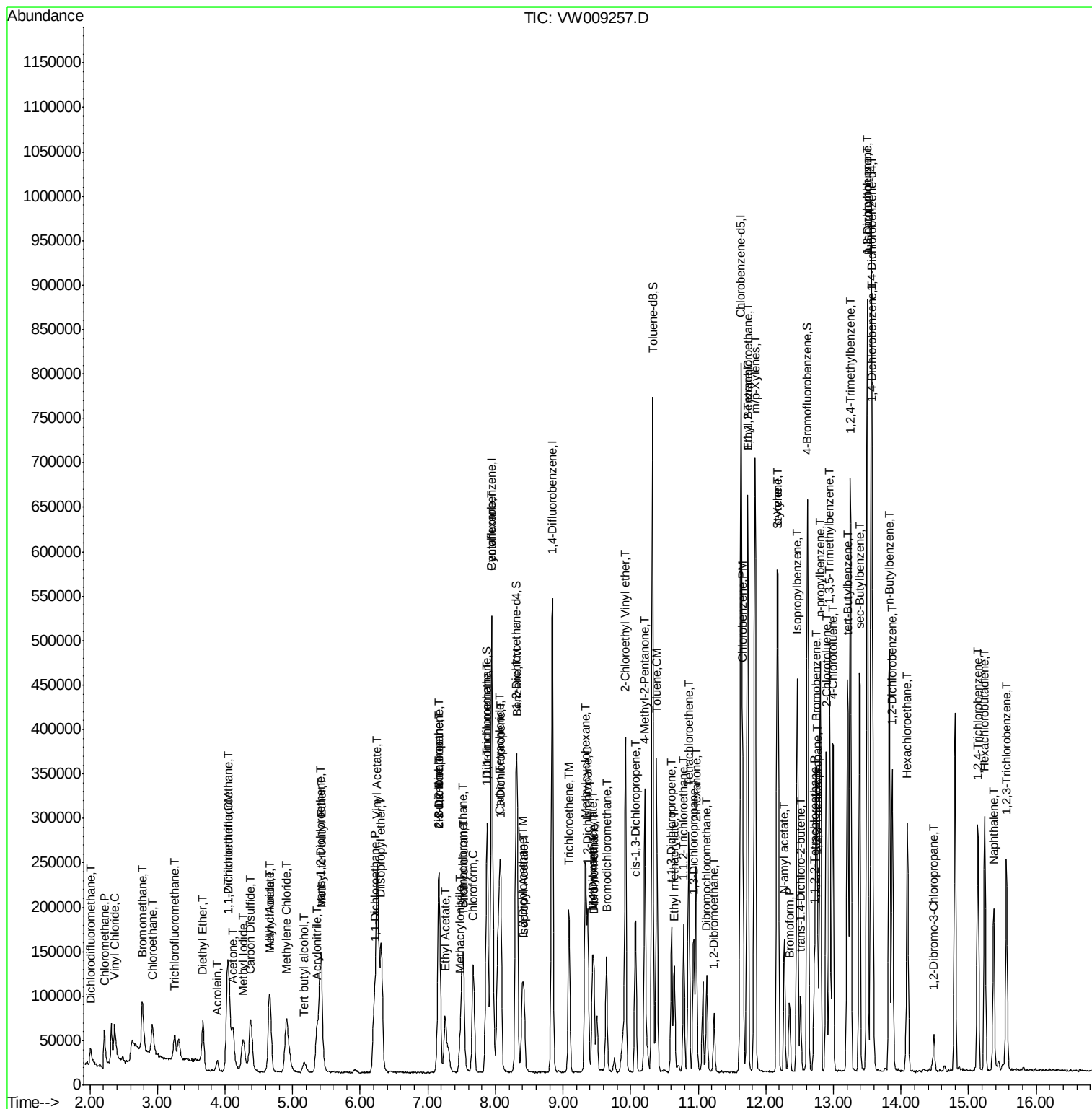
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	84446	19.753	ug/l	99
94) Hexachlorobutadiene	15.24	225	50707	18.648	ug/l	99
95) Naphthalene	15.37	128	152630	20.606	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	76103	19.942	ug/l	99

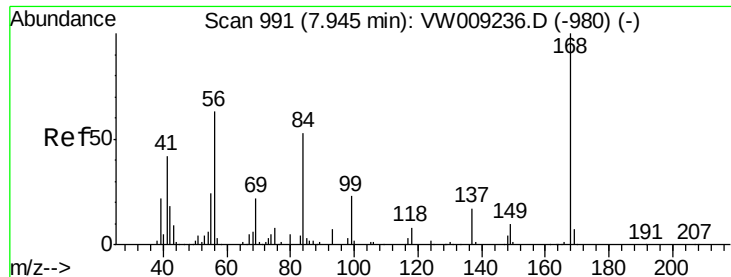
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

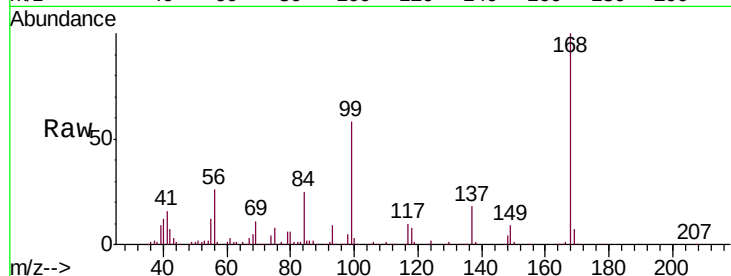
VW0319SBS02

Tgt Ion:168 Resp: 267175

Ion Ratio Lower Upper

168 100

99 57.6 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

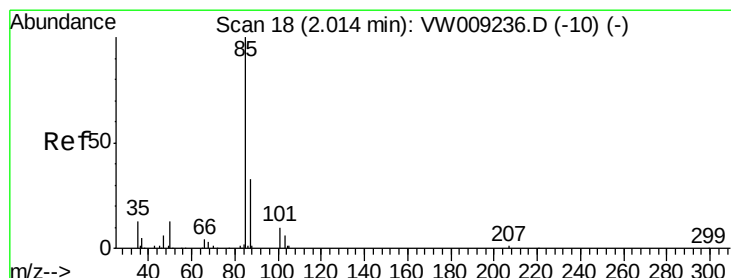
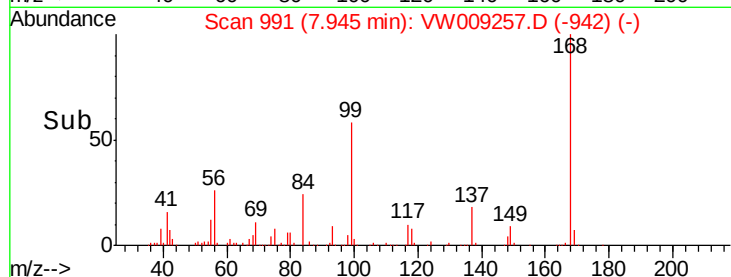
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.524 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009257.D

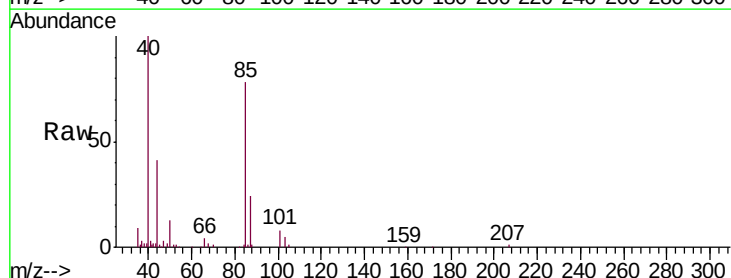
Acq: 20 Mar 2019 00:37

Tgt Ion: 85 Resp: 30592

Ion Ratio Lower Upper

85 100

87 30.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

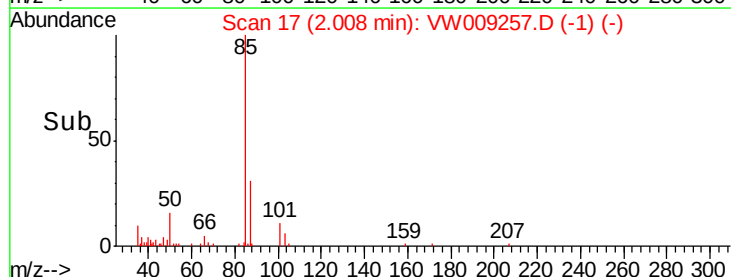
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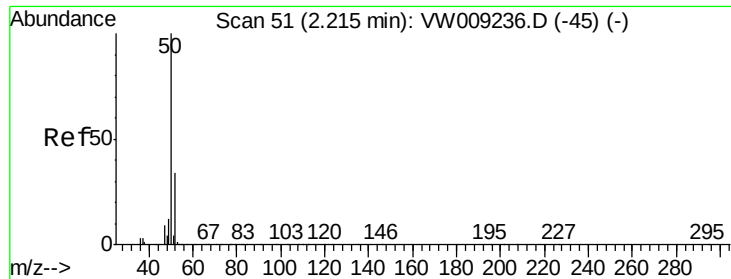
4000

2000

0

Time-->





#3

Chloromethane

Concen: 20.261 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

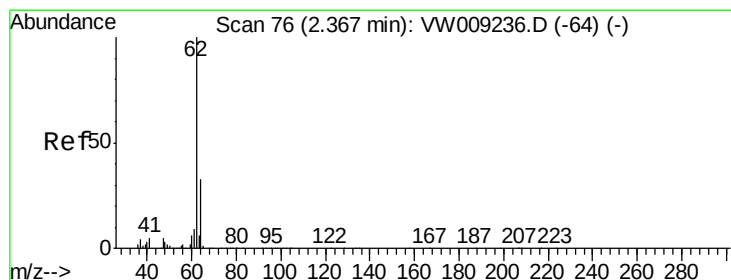
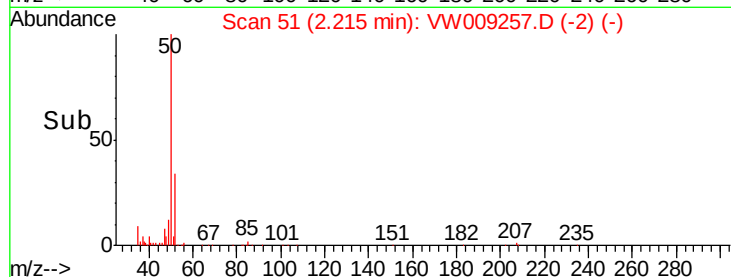
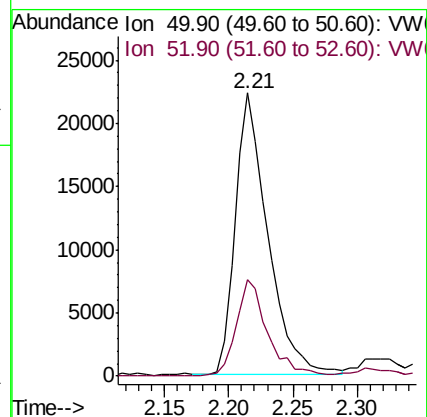
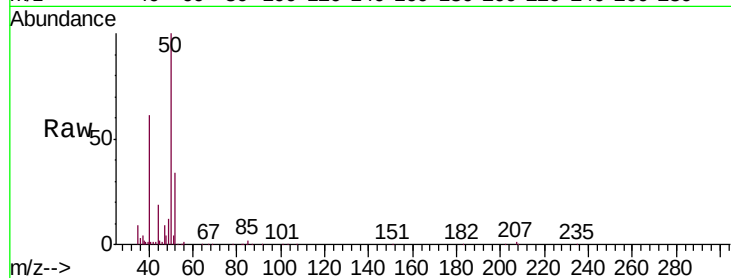
VW0319SBS02

Tgt Ion: 50 Resp: 39241

Ion Ratio Lower Upper

50 100

52 34.2 27.2 40.8



#4

Vinyl Chloride

Concen: 18.996 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009257.D

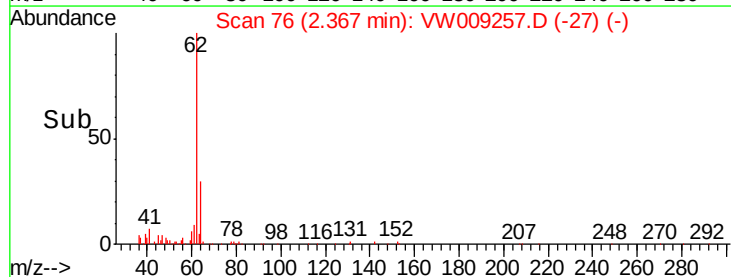
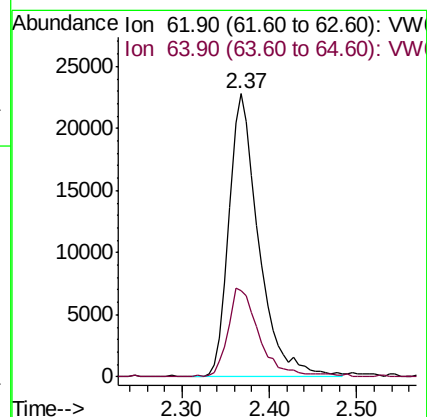
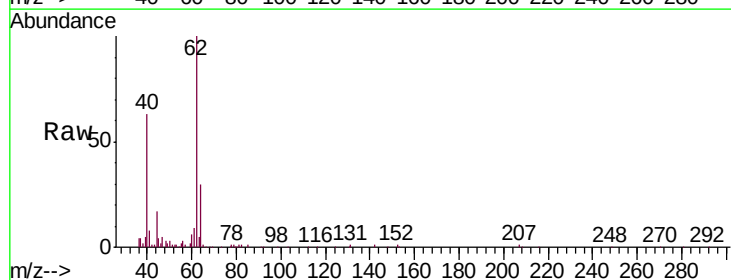
Acq: 20 Mar 2019 00:37

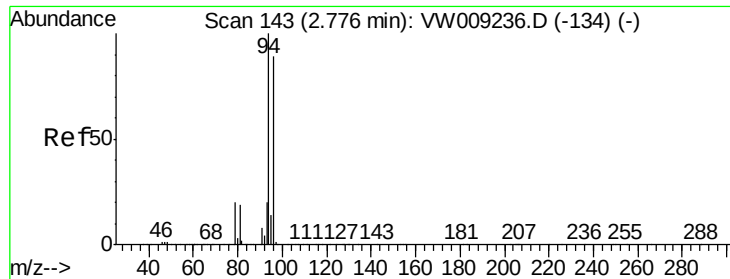
Tgt Ion: 62 Resp: 53999

Ion Ratio Lower Upper

62 100

64 30.1 26.2 39.2





#5

Bromomethane

Concen: 20.593 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

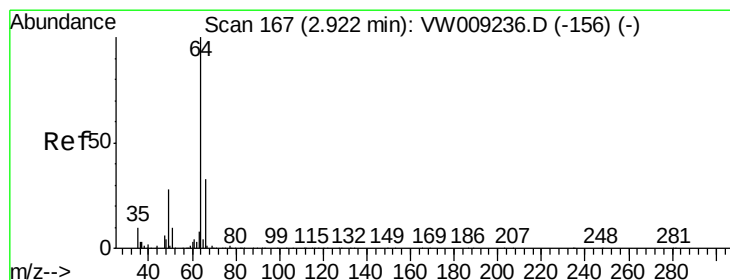
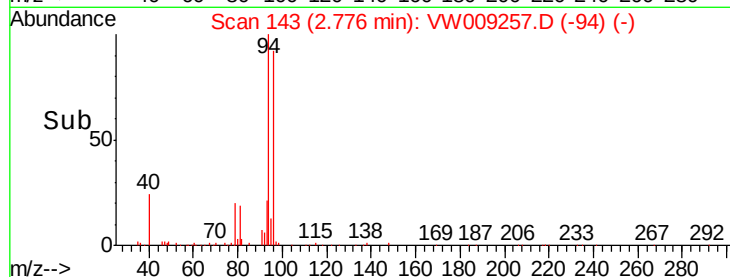
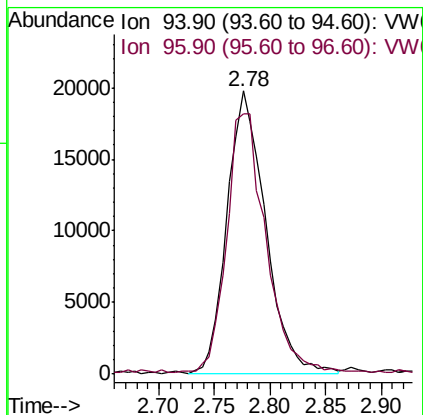
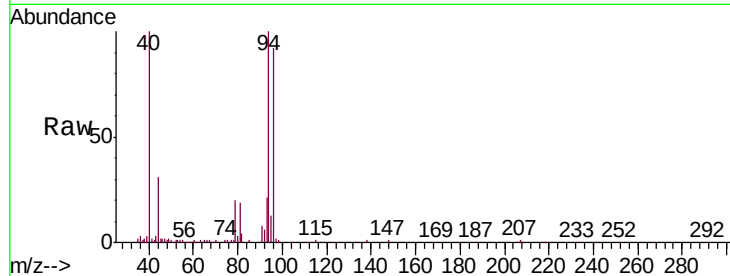
VW0319SBS02

Tgt Ion: 94 Resp: 47737

Ion Ratio Lower Upper

94 100

96 90.9 71.4 107.2



#6

Chloroethane

Concen: 20.120 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009257.D

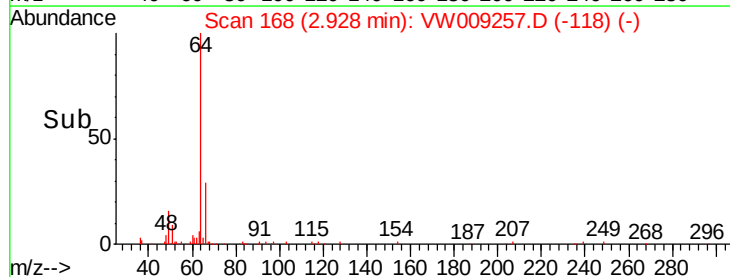
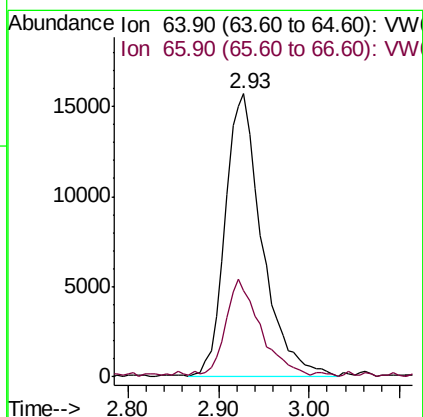
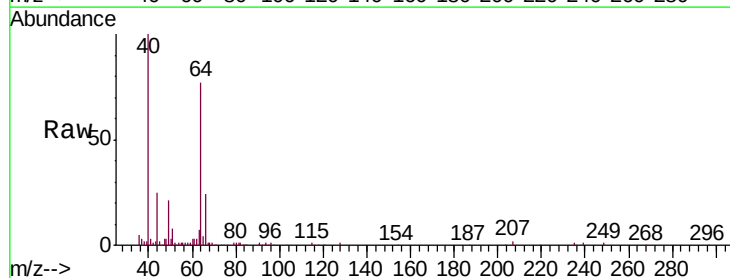
Acq: 20 Mar 2019 00:37

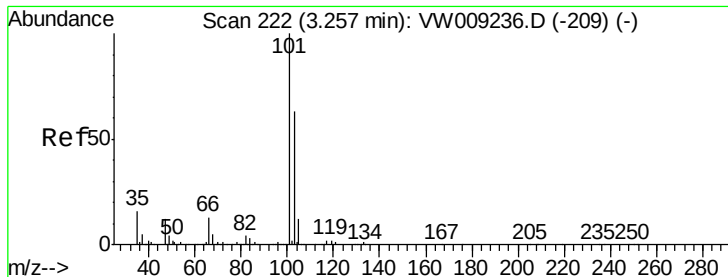
Tgt Ion: 64 Resp: 44372

Ion Ratio Lower Upper

64 100

66 30.5 26.2 39.2



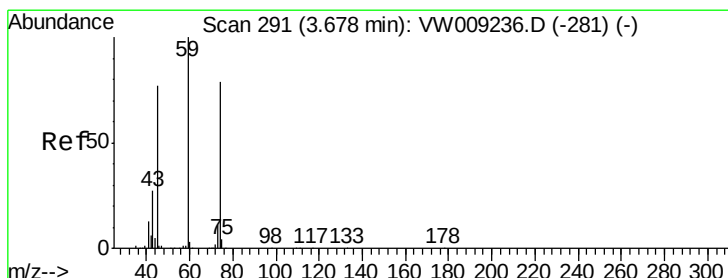
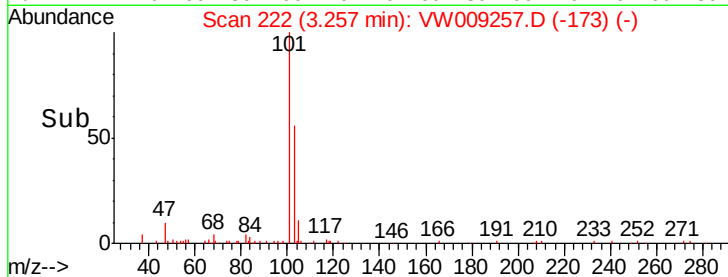
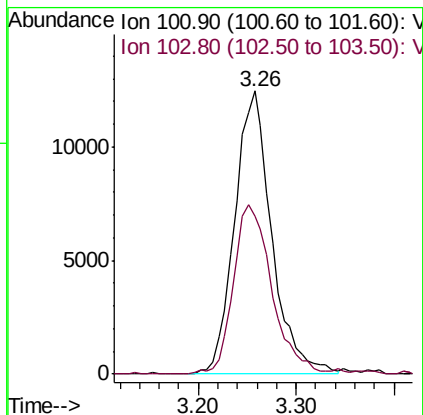
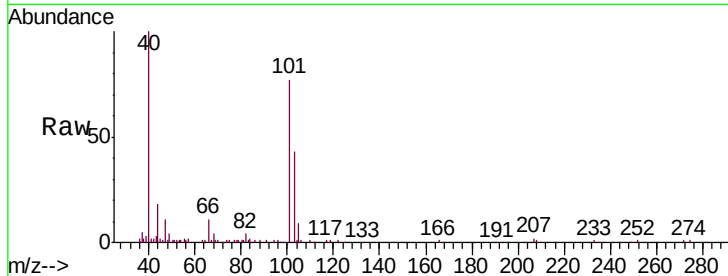


#7

Trichlorofluoromethane
 Concen: 17.624 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
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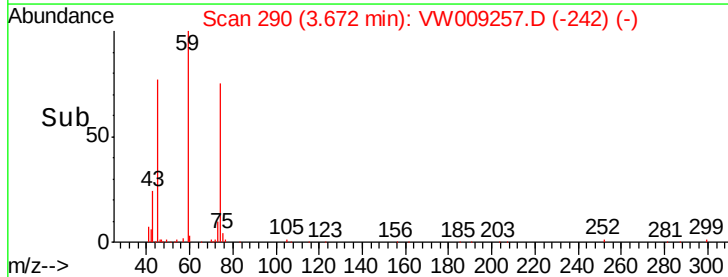
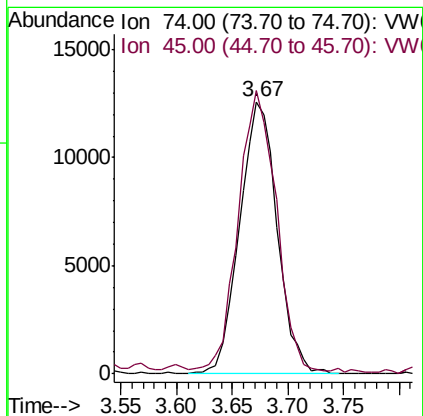
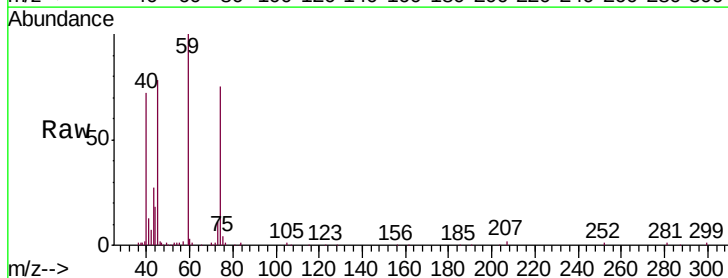
Tgt Ion: 101 Resp: 32818
 Ion Ratio Lower Upper
 101 100
 103 55.9 50.5 75.7

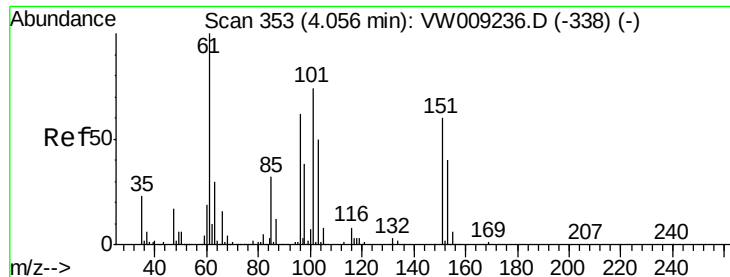


#8

Diethyl Ether
 Concen: 21.947 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Tgt Ion: 74 Resp: 29473
 Ion Ratio Lower Upper
 74 100
 45 104.2 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.510 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

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MSVOA_W

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VW0319SBS02

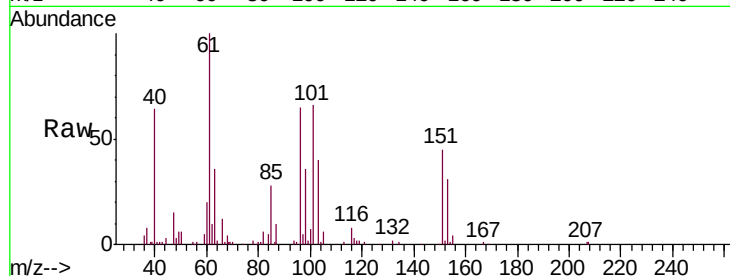
Tgt Ion:101 Resp: 49929

Ion Ratio Lower Upper

101 100

85 47.5 35.1 52.7

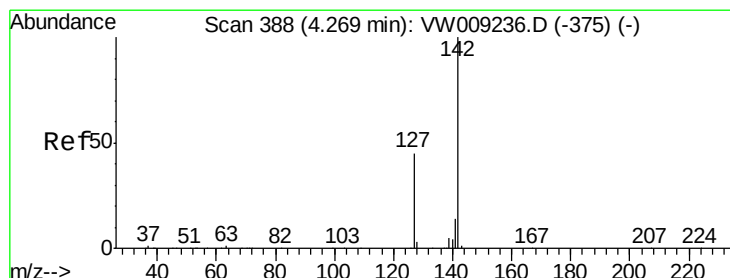
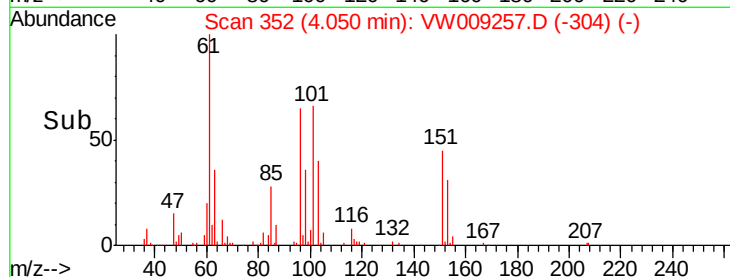
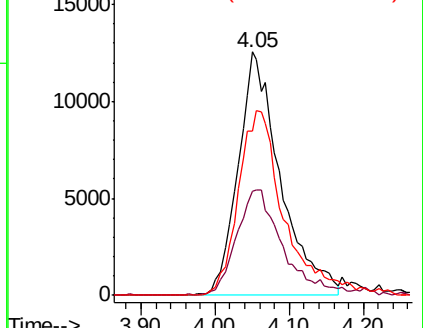
151 82.0 62.9 94.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.843 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

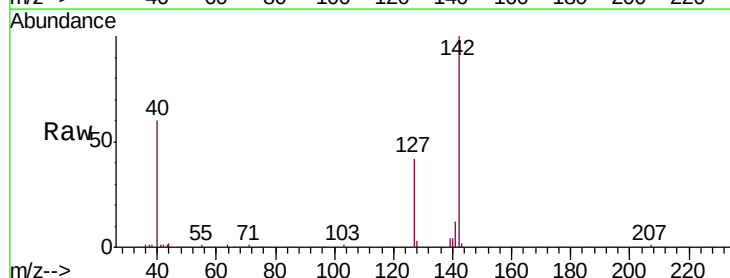
Tgt Ion:142 Resp: 81047

Ion Ratio Lower Upper

142 100

127 44.4 35.9 53.9

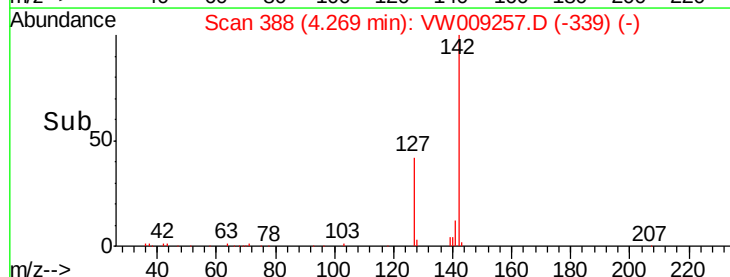
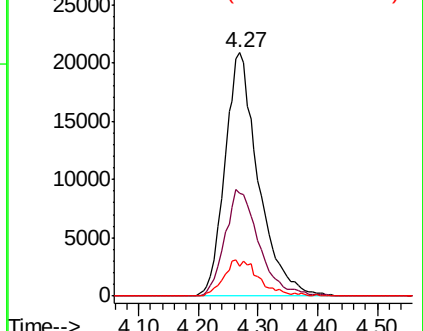
141 7.4 11.4 17.2#

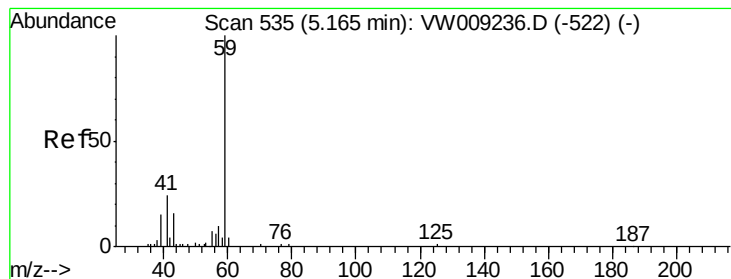


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



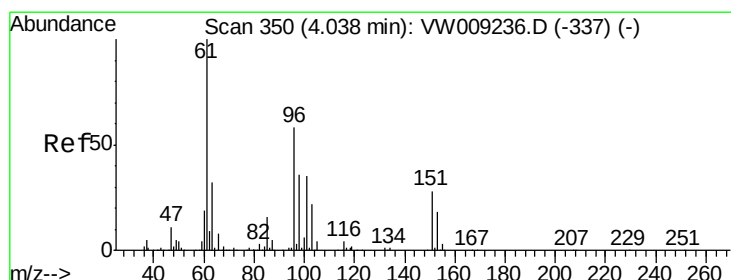
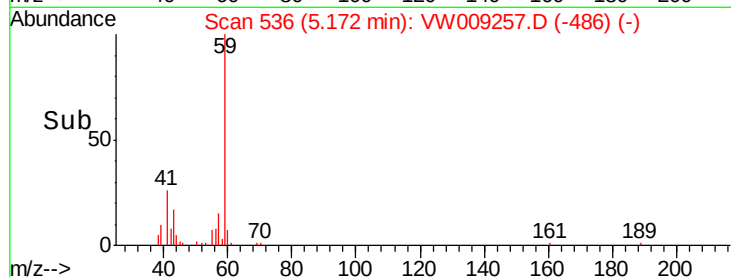
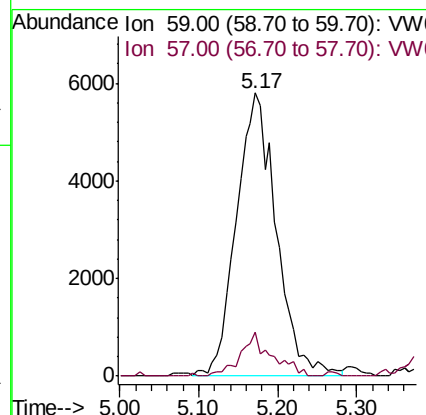
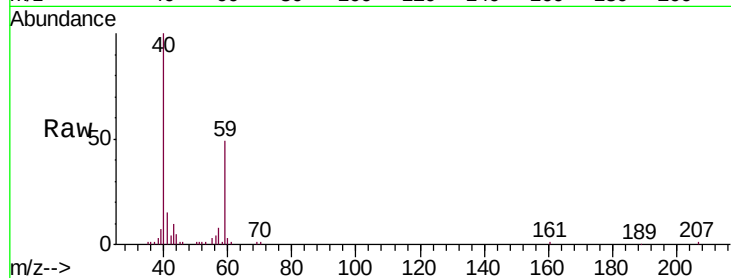


#11

Tert butyl alcohol
Concen: 123.695 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

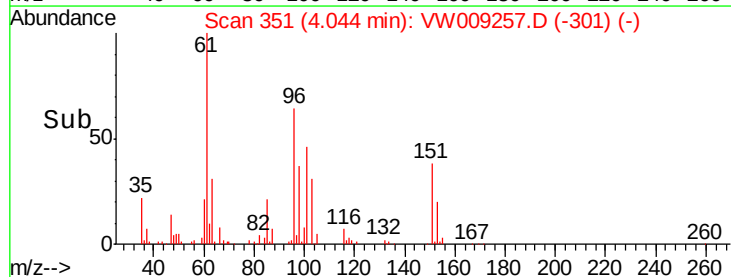
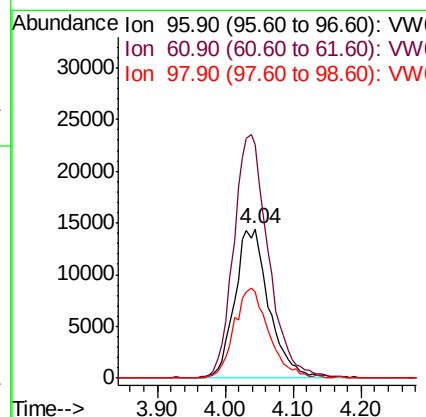
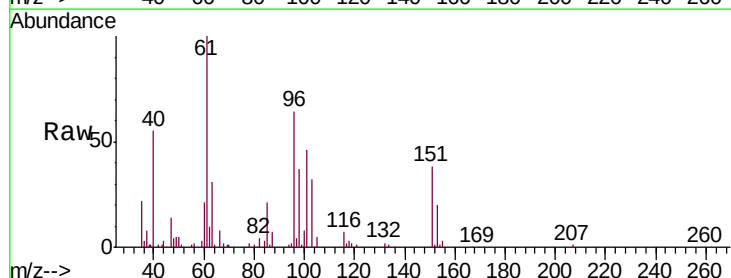
Tgt Ion: 59 Resp: 20408
Ion Ratio Lower Upper
59 100
57 12.0 9.4 14.0

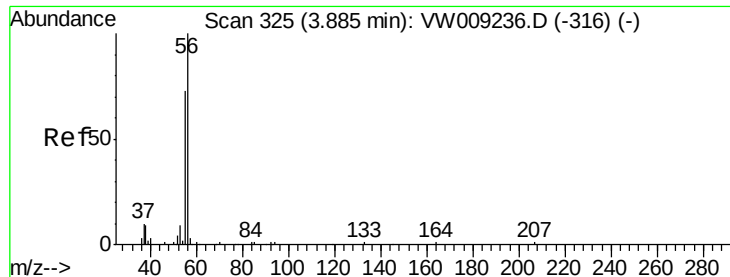


#12

1,1-Dichloroethene
Concen: 19.888 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion: 96 Resp: 50710
Ion Ratio Lower Upper
96 100
61 156.7 138.0 207.0
98 58.0 49.8 74.8

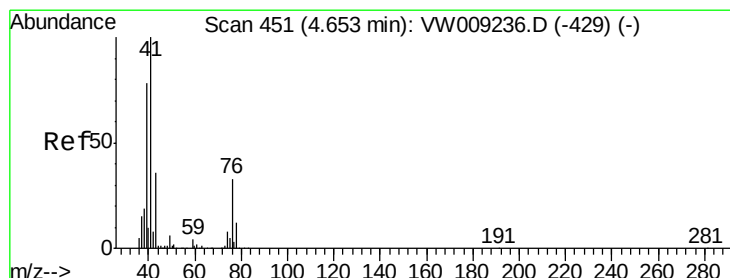
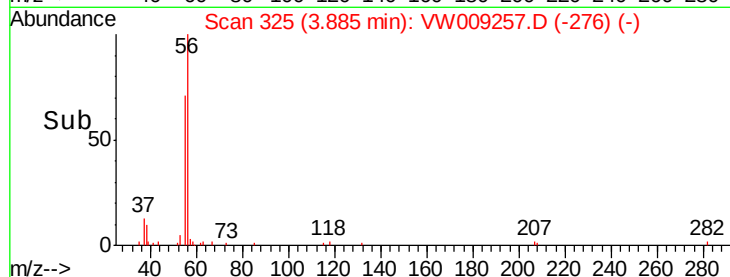
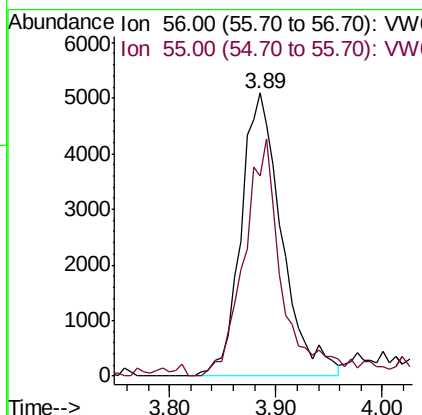
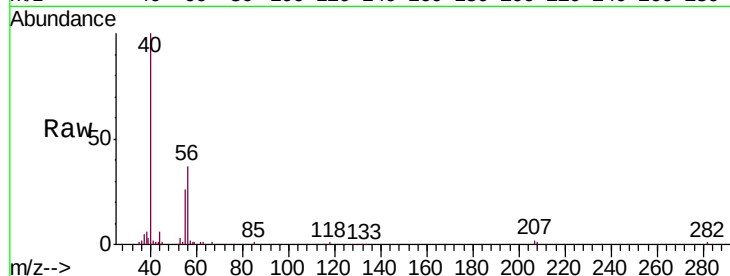




#13
 Acrolein
 Concen: 101.650 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

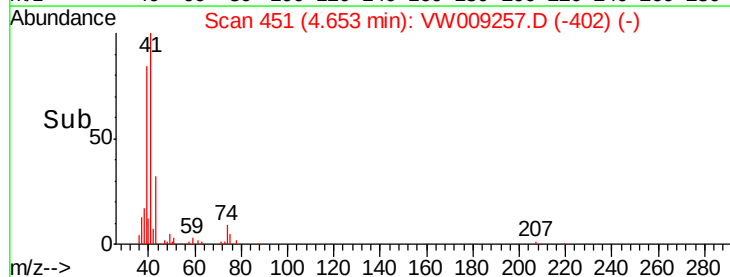
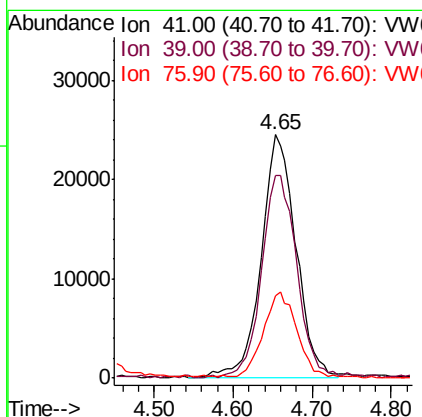
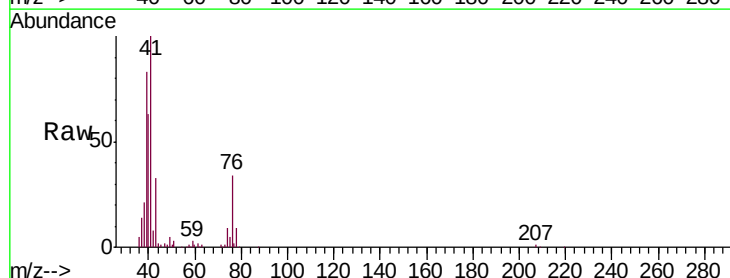
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

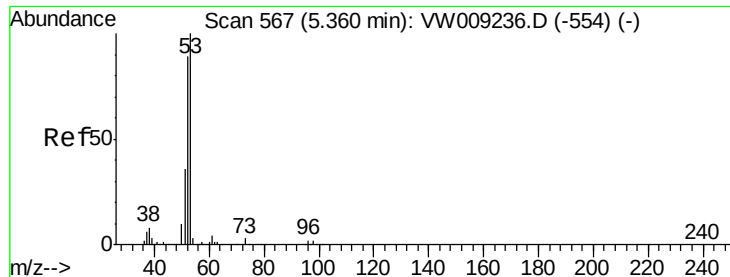
Tgt Ion: 56 Resp: 13689
 Ion Ratio Lower Upper
 56 100
 55 77.6 55.2 82.8



#14
 Allyl chloride
 Concen: 19.811 ug/l
 RT: 4.65 min Scan# 451
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Tgt Ion: 41 Resp: 74472
 Ion Ratio Lower Upper
 41 100
 39 85.6 63.8 95.6
 76 35.2 27.8 41.6

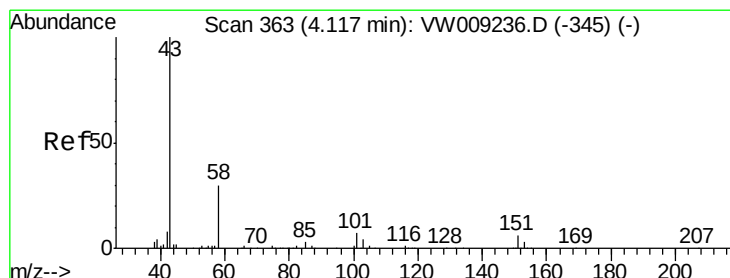
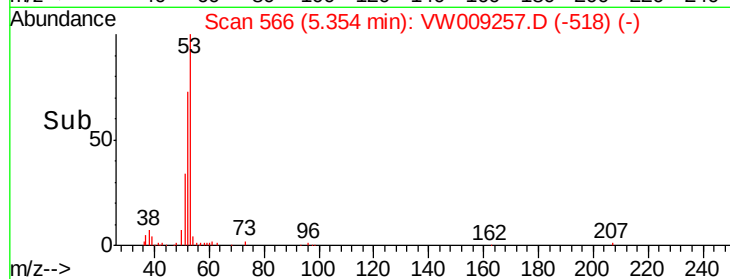
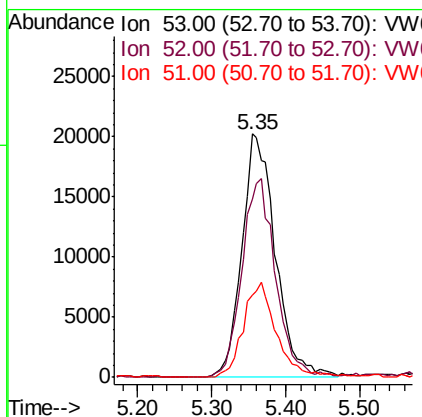
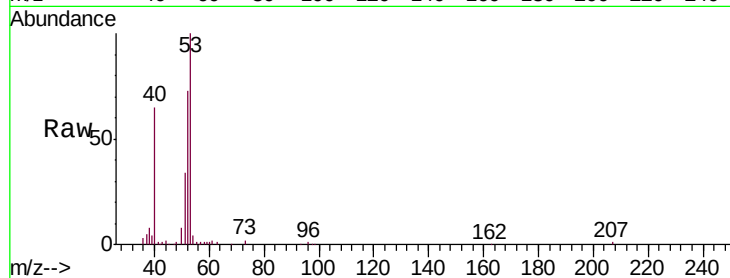




#15
 Acrylonitrile
 Concen: 113.654 ug/l
 RT: 5.35 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

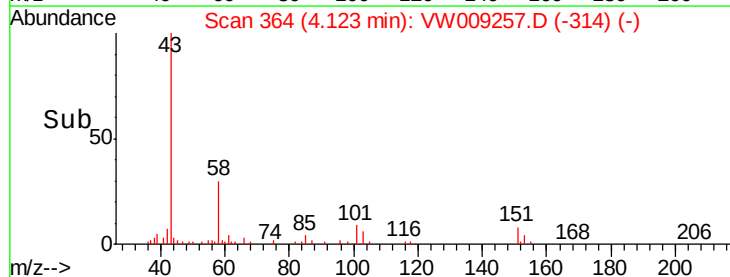
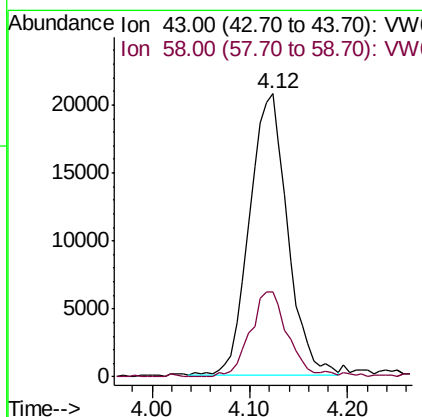
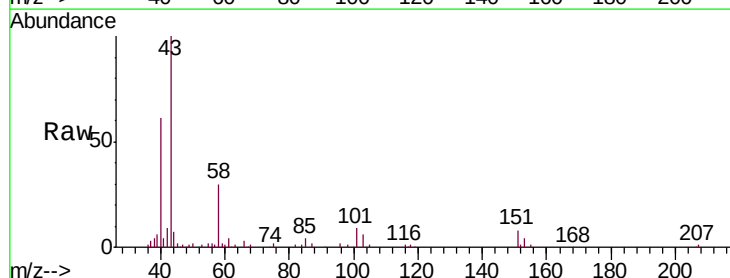
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

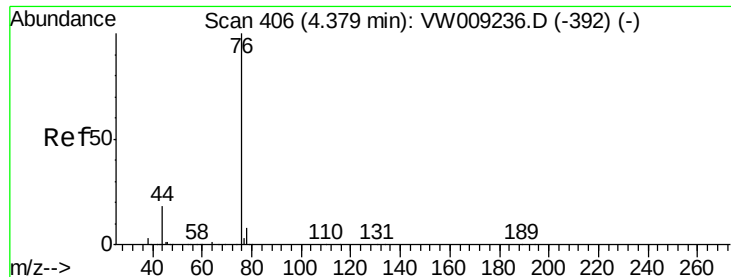
Tgt Ion: 53 Resp: 64145
 Ion Ratio Lower Upper
 53 100
 52 80.8 67.6 101.4
 51 38.6 30.6 45.8



#16
 Acetone
 Concen: 95.375 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Tgt Ion: 43 Resp: 55609
 Ion Ratio Lower Upper
 43 100
 58 30.2 23.6 35.4

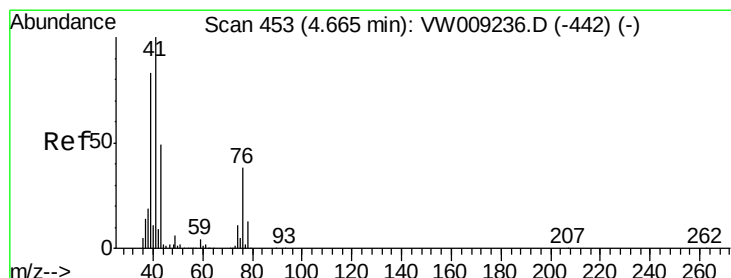
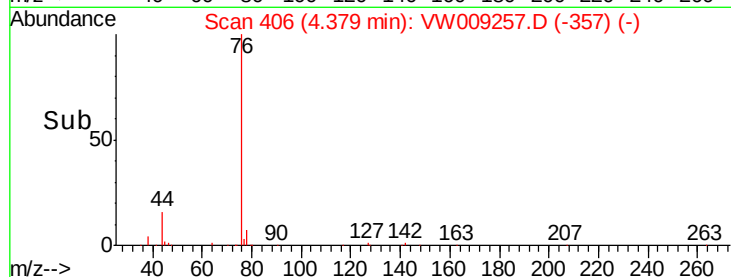
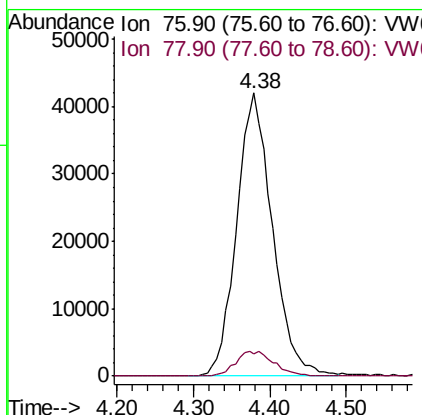
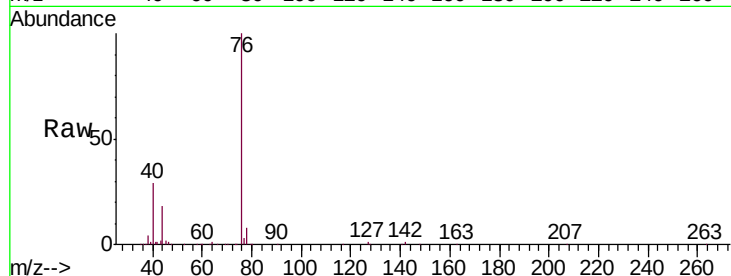




#17
Carbon Disulfide
Concen: 19.175 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

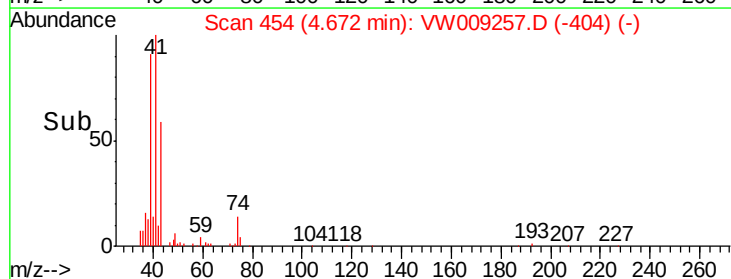
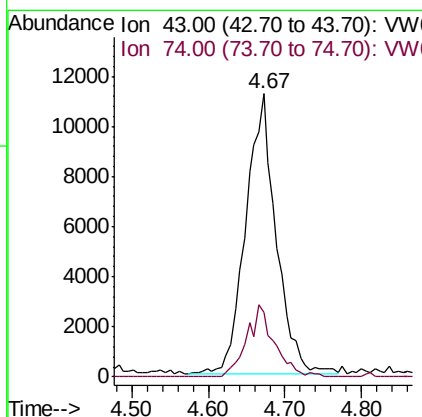
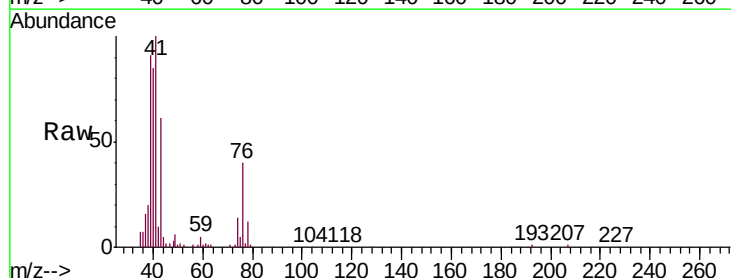
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

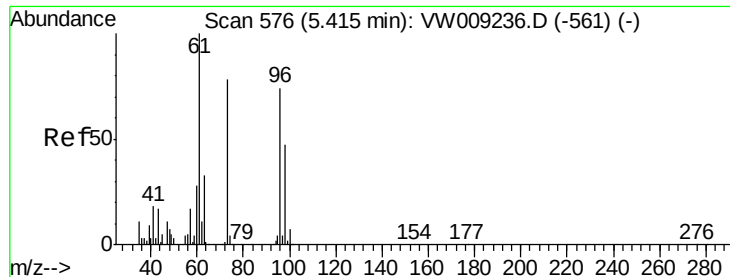
Tgt Ion: 76 Resp: 136304
Ion Ratio Lower Upper
76 100
78 8.0 6.6 9.8



#18
Methyl Acetate
Concen: 20.742 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion: 43 Resp: 31038
Ion Ratio Lower Upper
43 100
74 22.7 17.7 26.5



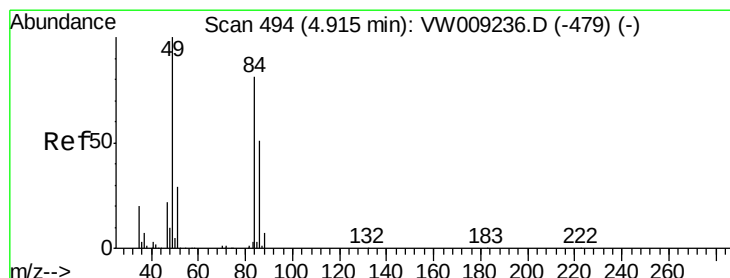
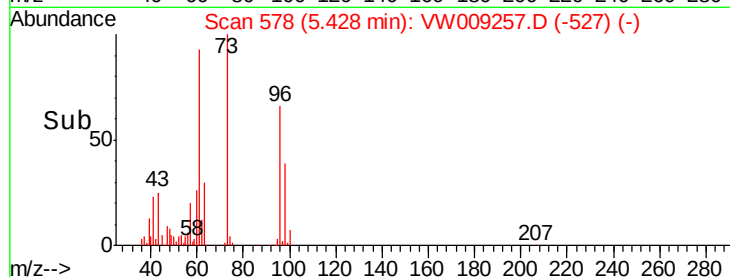
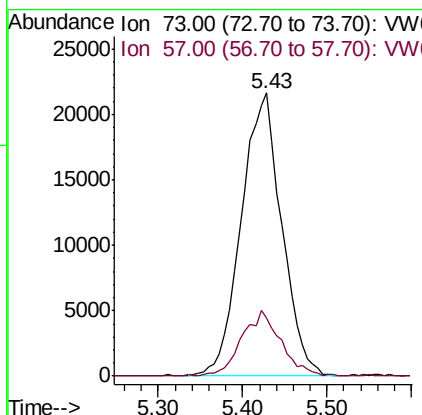
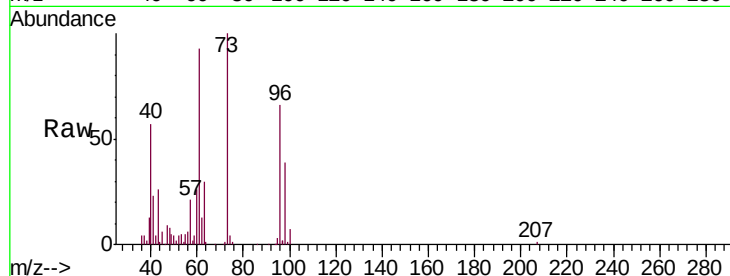


#19

Methyl tert-butyl Ether
 Concen: 22.595 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

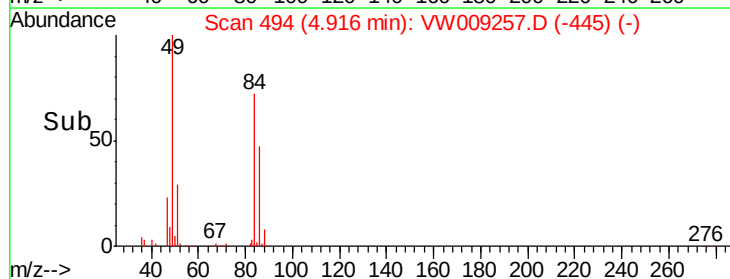
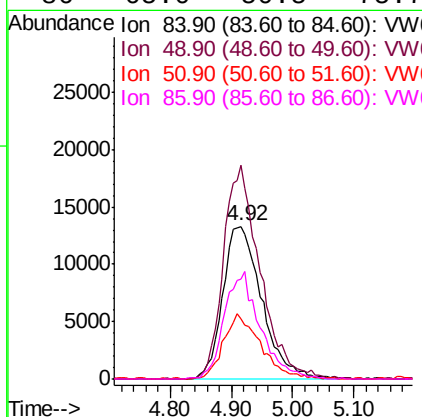
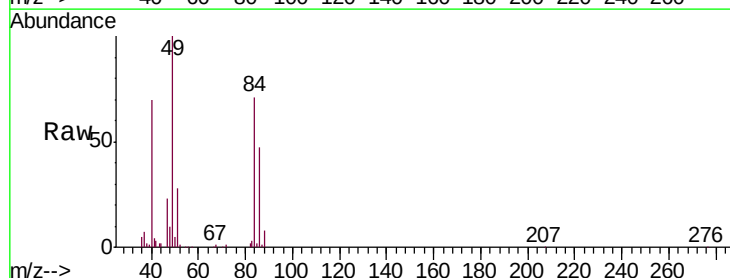
Tgt Ion: 73 Resp: 70710
 Ion Ratio Lower Upper
 73 100
 57 19.9 17.0 25.6

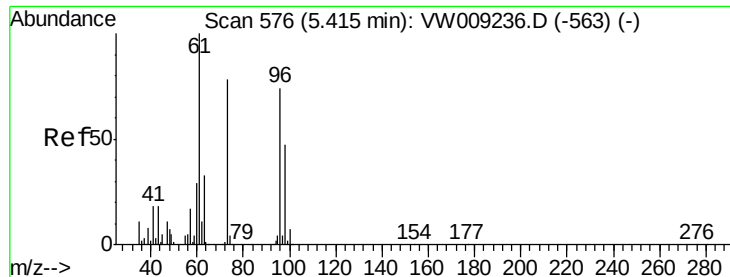


#20

Methylene Chloride
 Concen: 22.639 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Tgt Ion: 84 Resp: 58767
 Ion Ratio Lower Upper
 84 100
 49 139.9 99.1 148.7
 51 39.6 28.7 43.1
 86 65.0 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 20.408 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

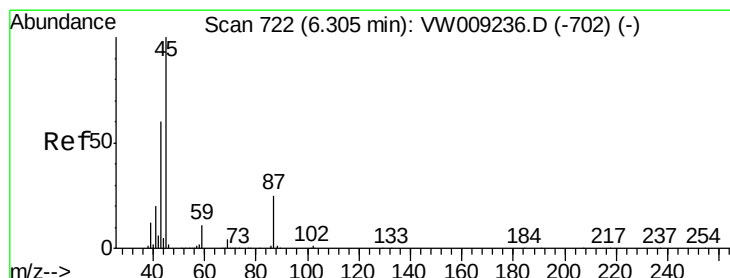
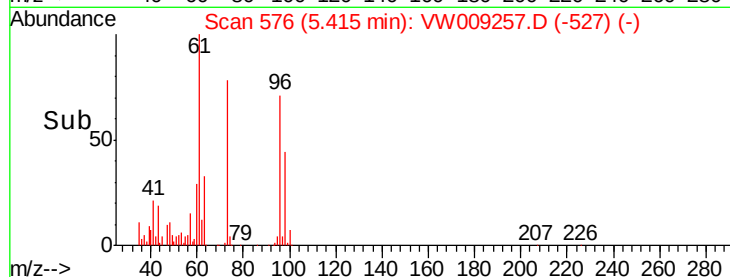
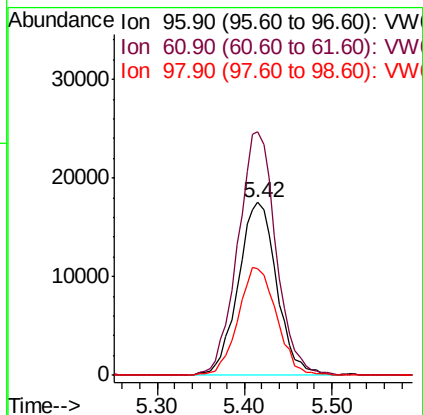
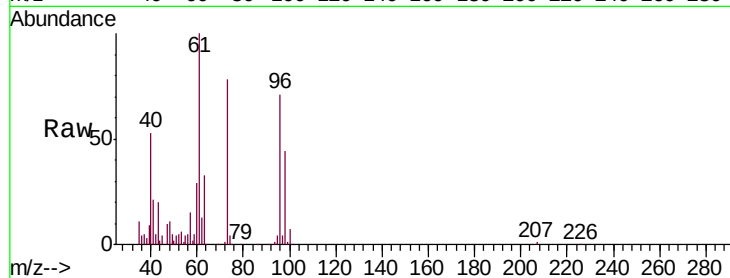
Tgt Ion: 96 Resp: 53538

Ion Ratio Lower Upper

96 100

61 141.0 108.2 162.4

98 61.9 50.9 76.3



#22

Diisopropyl ether

Concen: 21.757 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Tgt Ion: 45 Resp: 176319

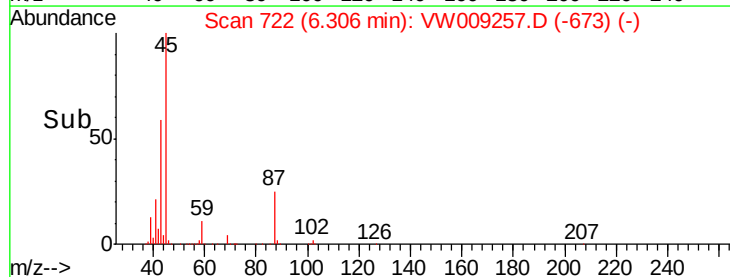
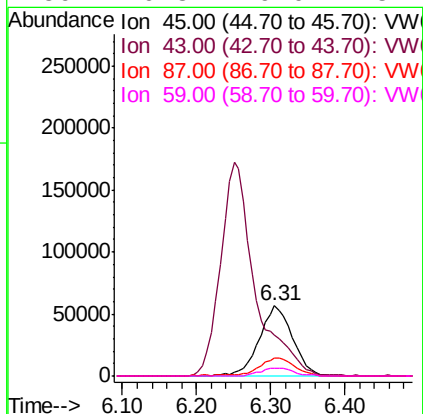
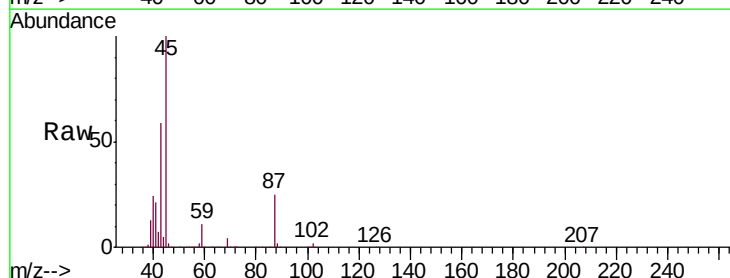
Ion Ratio Lower Upper

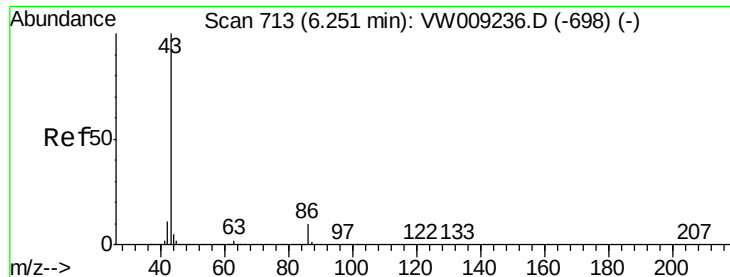
45 100

43 58.5 47.9 71.9

87 25.2 20.6 30.8

59 10.8 9.0 13.4





#23

Vinyl Acetate

Concen: 109.243 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

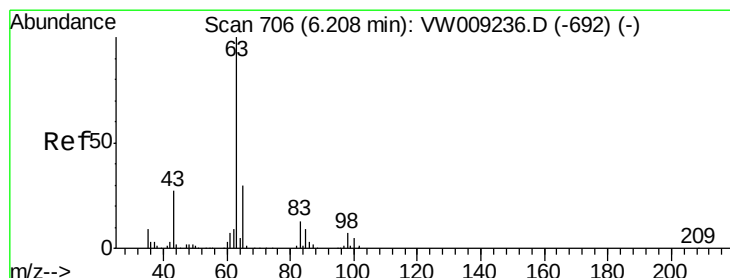
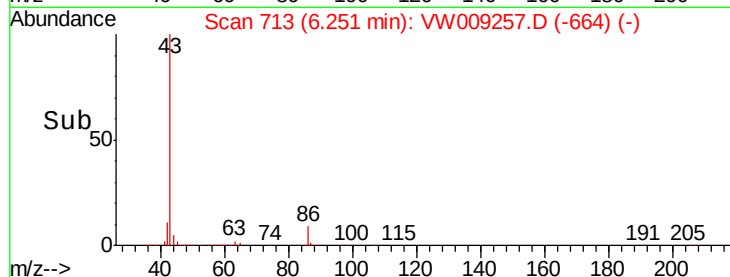
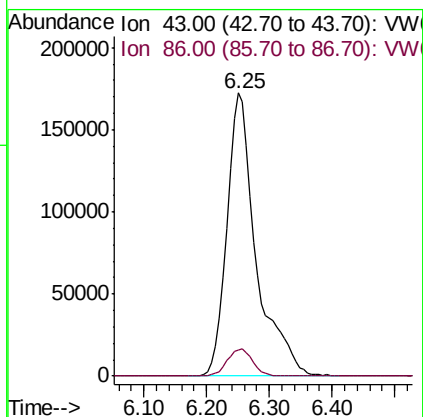
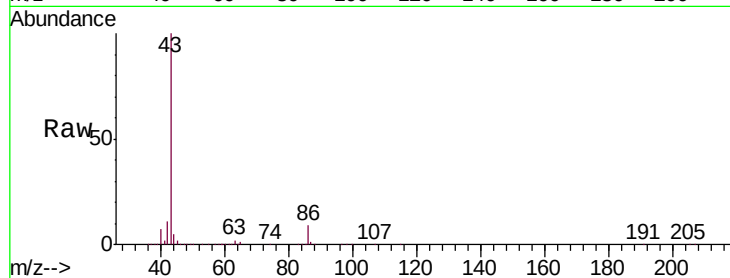
VW0319SBS02

Tgt Ion: 43 Resp: 555464

Ion Ratio Lower Upper

43 100

86 9.4 7.7 11.5



#24

1,1-Dichloroethane

Concen: 20.181 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

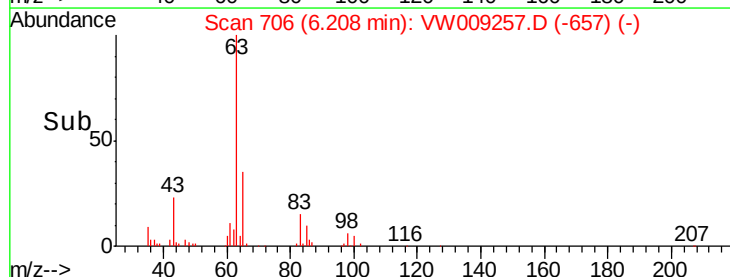
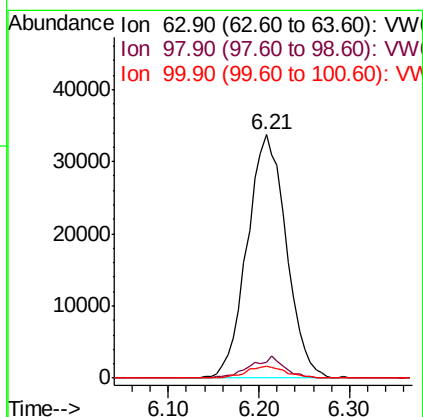
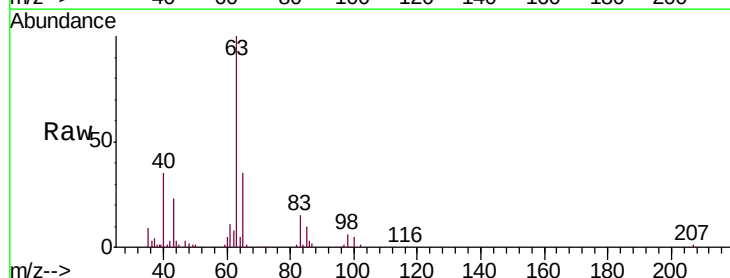
Tgt Ion: 63 Resp: 100933

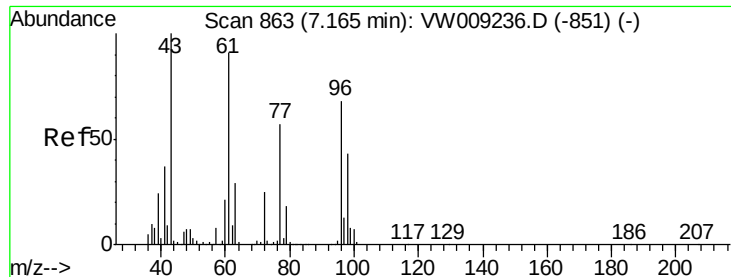
Ion Ratio Lower Upper

63 100

98 6.5 3.7 11.1

100 5.2 2.4 7.1





#25

2-Butanone

Concen: 107.111 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

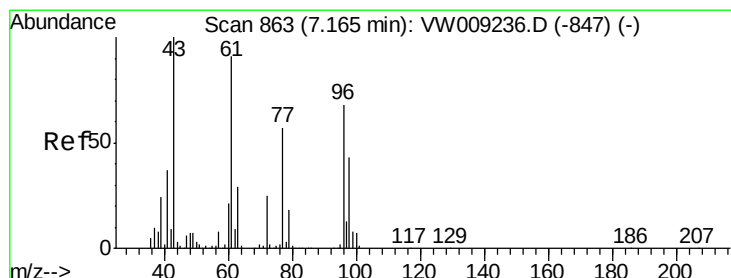
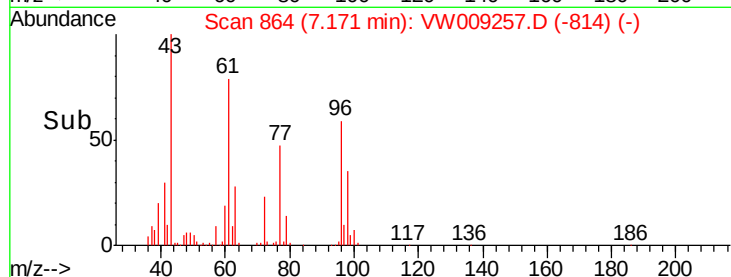
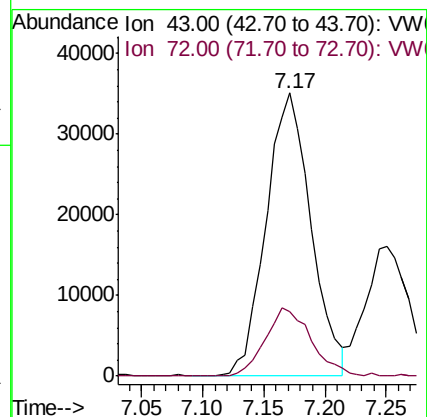
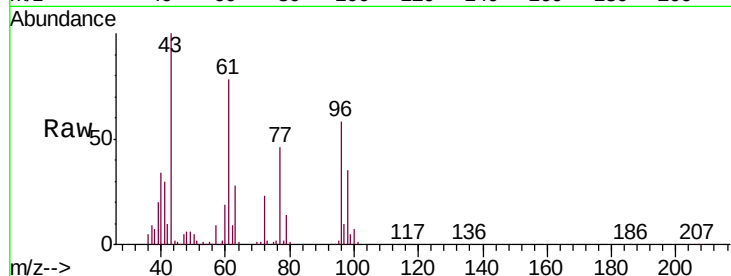
VW0319SBS02

Tgt Ion: 43 Resp: 89486

Ion Ratio Lower Upper

43 100

72 23.0 20.0 30.0



#26

2,2-Dichloropropane

Concen: 18.949 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009257.D

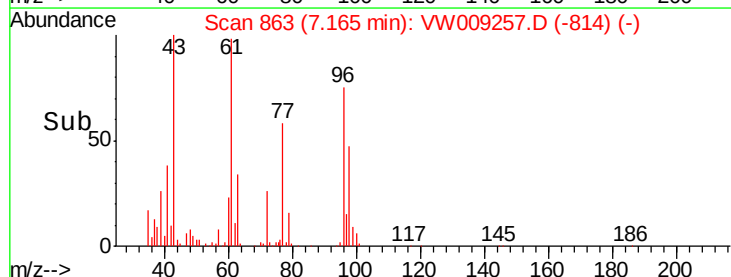
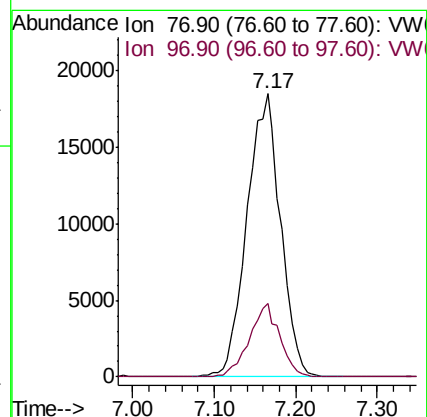
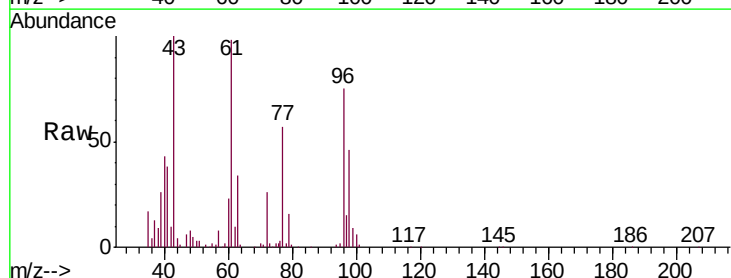
Acq: 20 Mar 2019 00:37

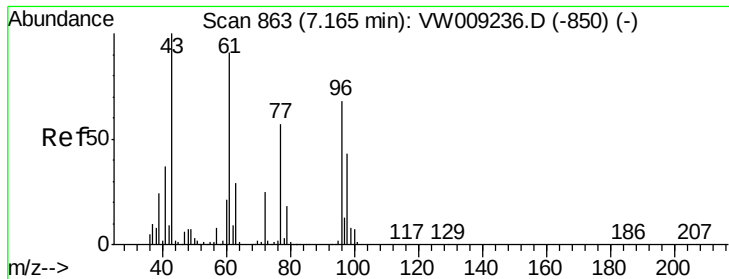
Tgt Ion: 77 Resp: 52953

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7



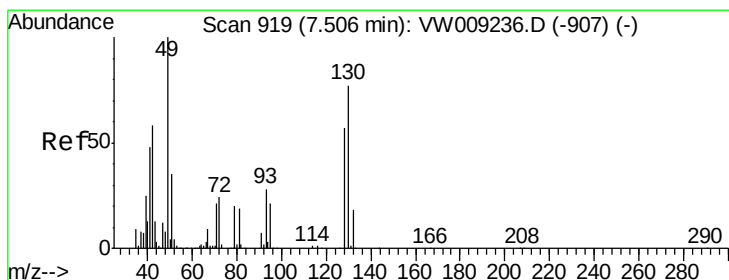
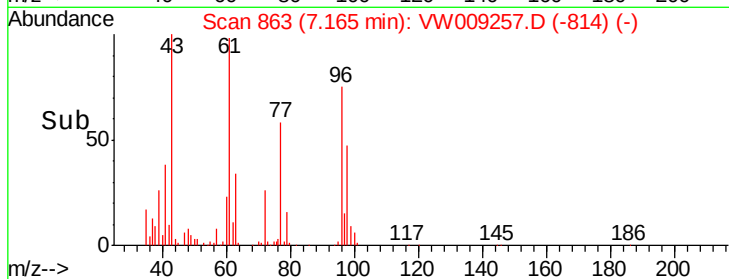
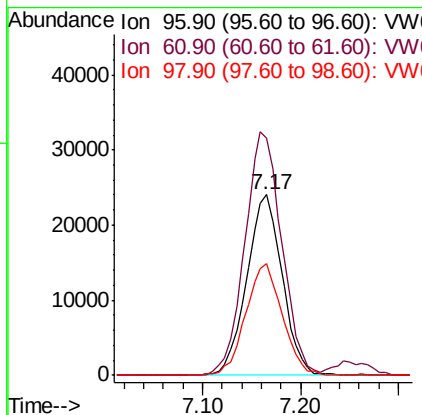
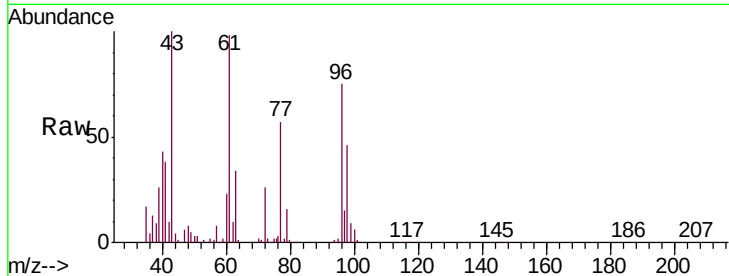


#27

cis-1,2-Dichloroethene
Concen: 21.207 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

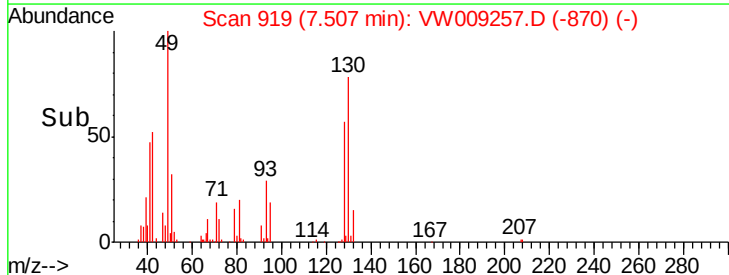
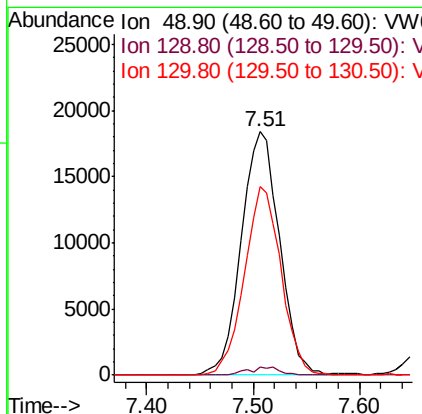
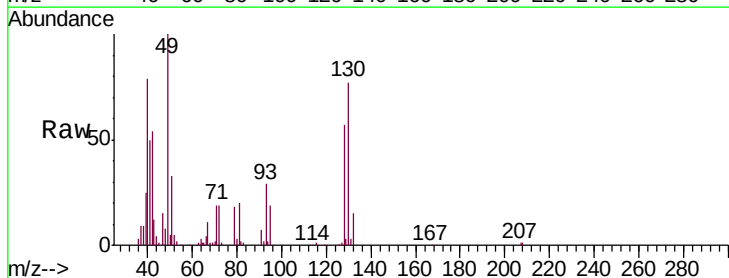
Tgt Ion: 96 Resp: 60271
Ion Ratio Lower Upper
96 100
61 141.0 0.0 289.8
98 63.9 0.0 130.8

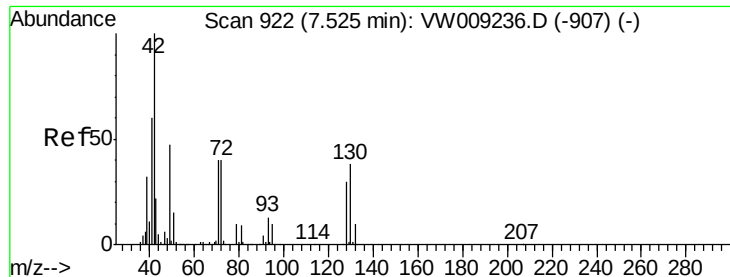


#28

Bromochloromethane
Concen: 21.115 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion: 49 Resp: 46319
Ion Ratio Lower Upper
49 100
129 2.7 0.0 1.4#
130 74.3 58.6 88.0

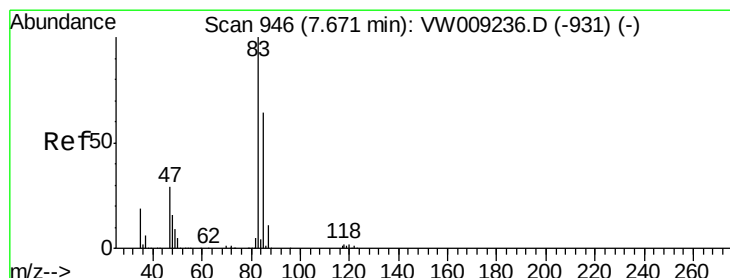
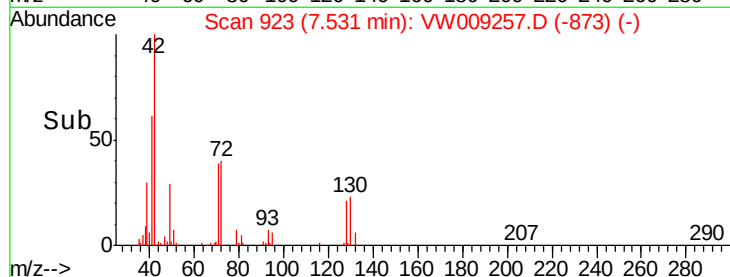
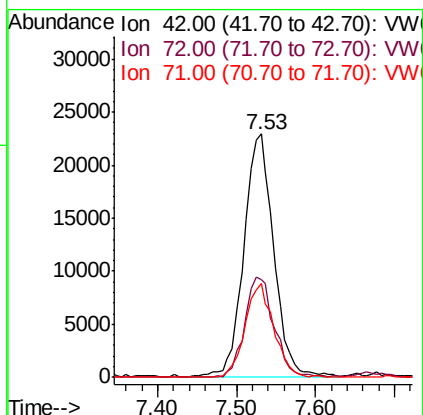
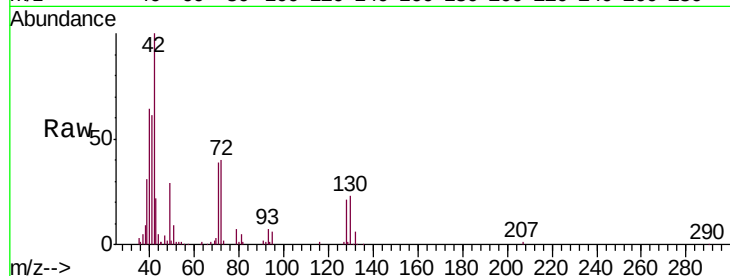




#29
Tetrahydrofuran
Concen: 112.950 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

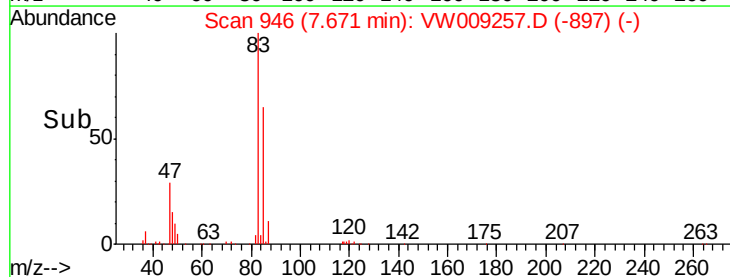
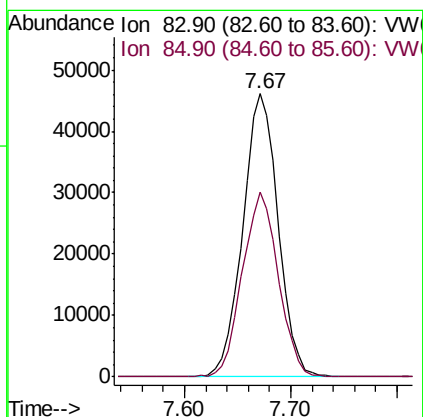
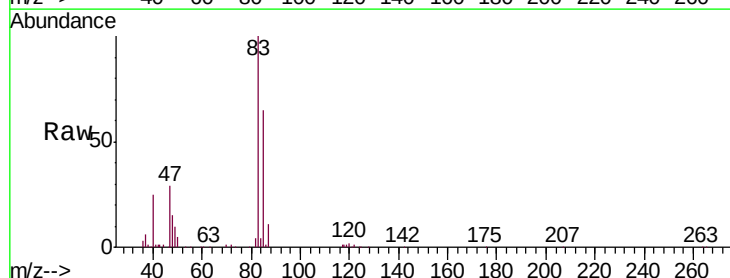
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

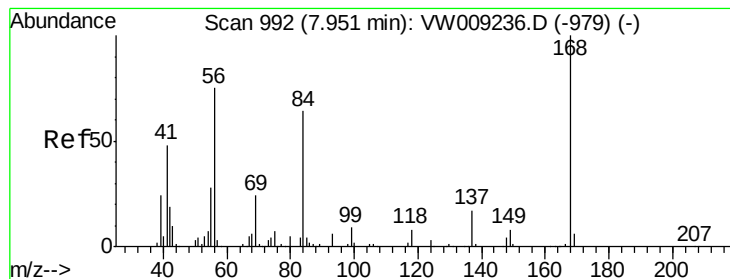
Tgt Ion: 42 Resp: 59980
Ion Ratio Lower Upper
42 100
72 41.0 32.4 48.6
71 37.5 30.1 45.1



#30
Chloroform
Concen: 20.681 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion: 83 Resp: 107617
Ion Ratio Lower Upper
83 100
85 65.2 51.0 76.6





#31

Cyclohexane

Concen: 18.791 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

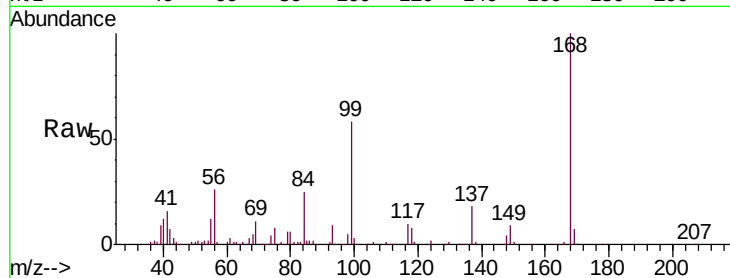
Tgt Ion: 56 Resp: 87616

Ion Ratio Lower Upper

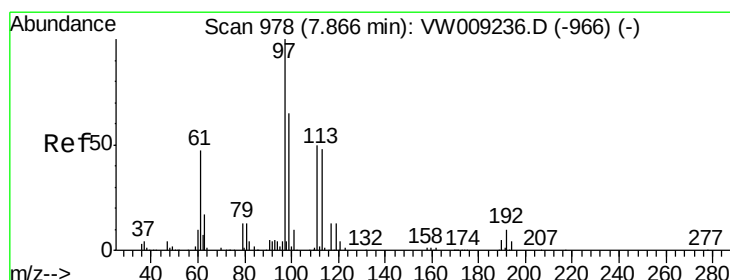
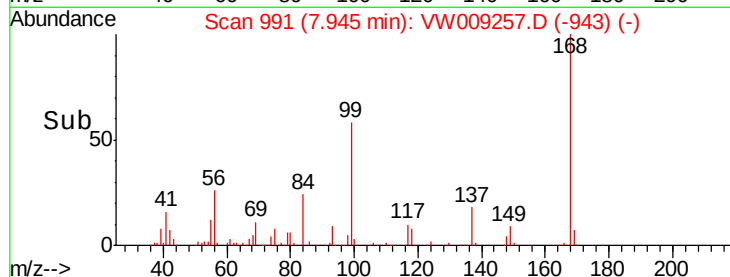
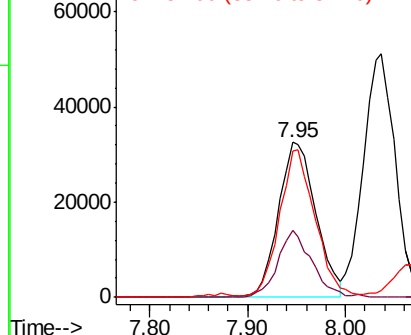
56 100

69 43.4 26.1 39.1#

84 93.9 68.6 103.0



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



#32

1,1,1-Trichloroethane

Concen: 19.738 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

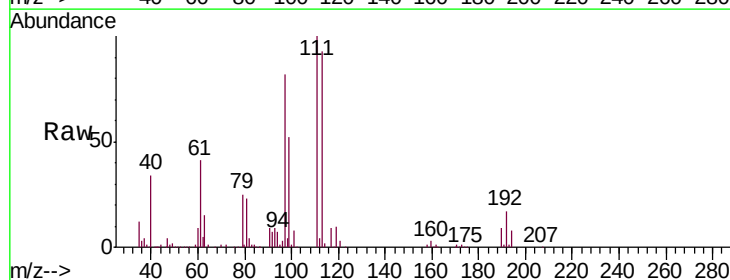
Tgt Ion: 97 Resp: 81984

Ion Ratio Lower Upper

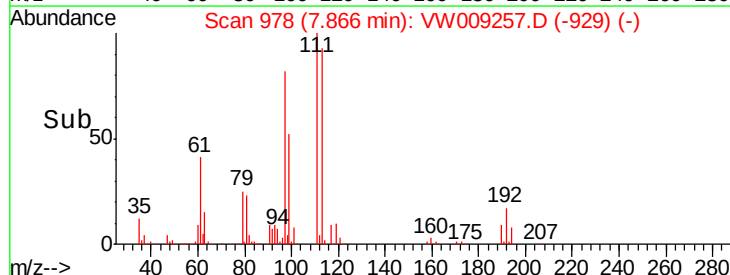
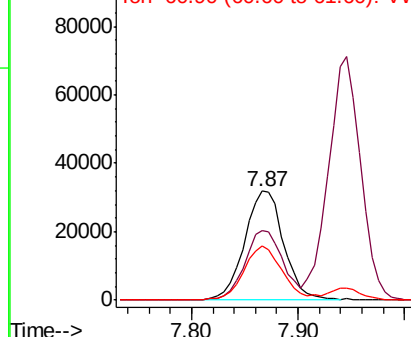
97 100

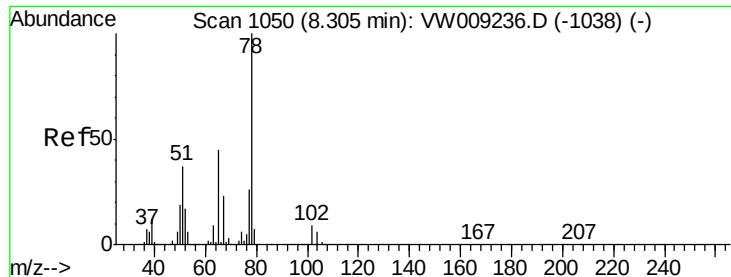
99 62.4 51.9 77.9

61 49.6 36.8 55.2



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

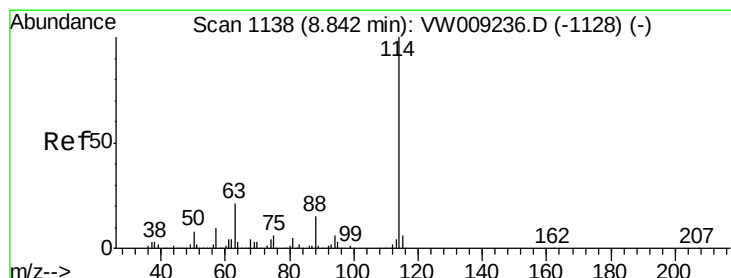
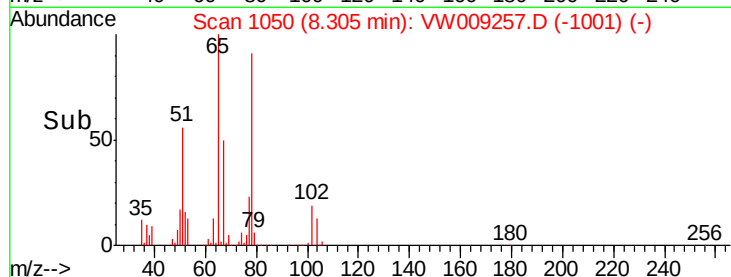
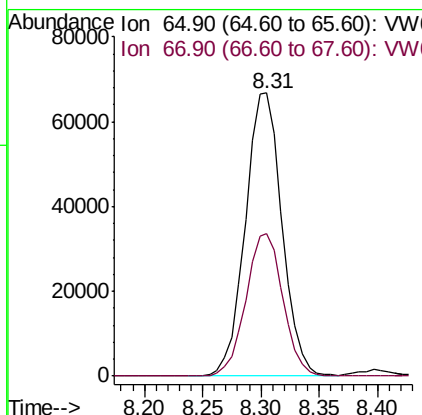
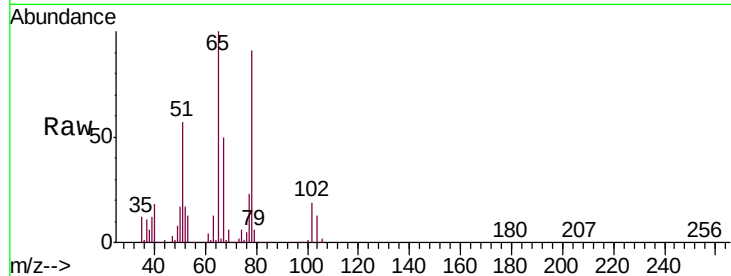




#33
 1,2-Dichloroethane-d4
 Concen: 51.713 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

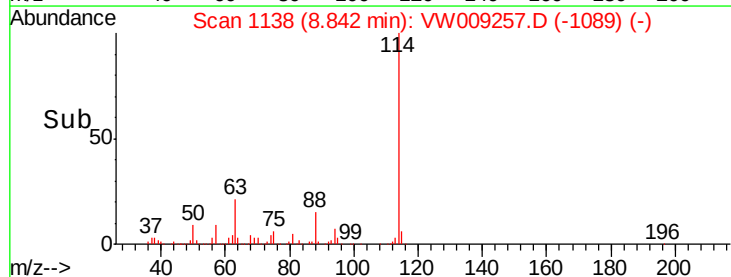
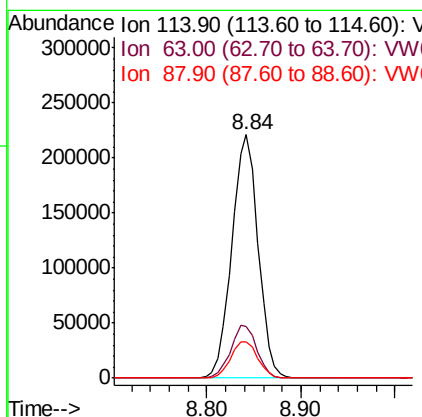
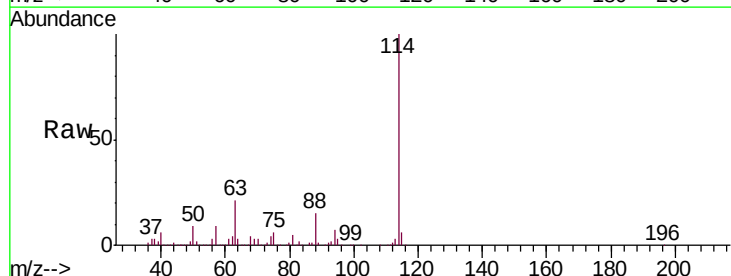
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

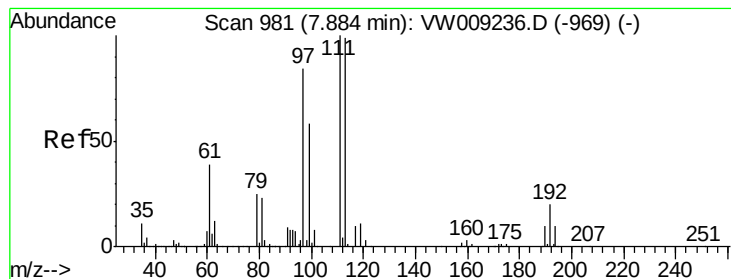
Tgt Ion: 65 Resp: 146962
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Tgt Ion: 114 Resp: 427746
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.2
 88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 47.891 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

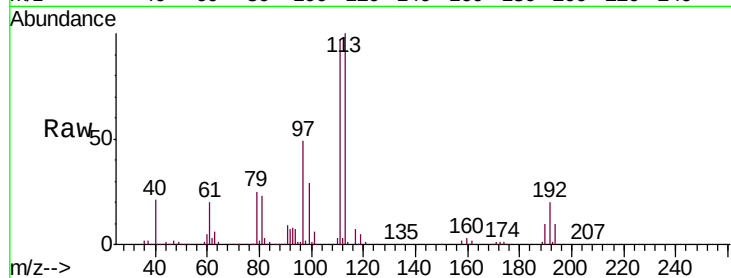
Tgt Ion:113 Resp: 129947

Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

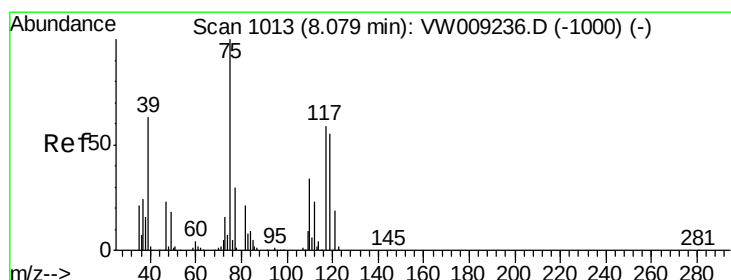
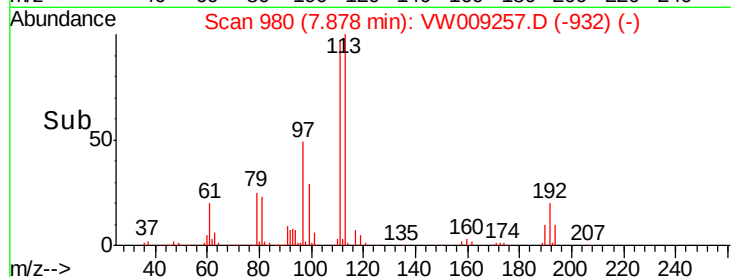
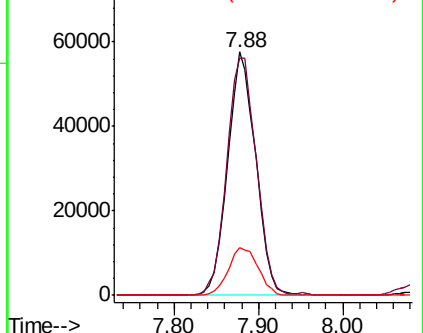
192 20.9 16.4 24.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.308 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

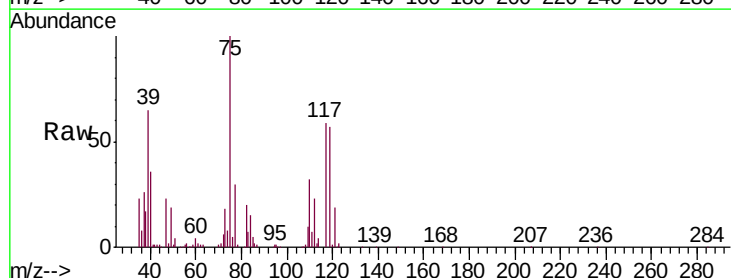
Tgt Ion: 75 Resp: 77929

Ion Ratio Lower Upper

75 100

110 33.8 16.8 50.4

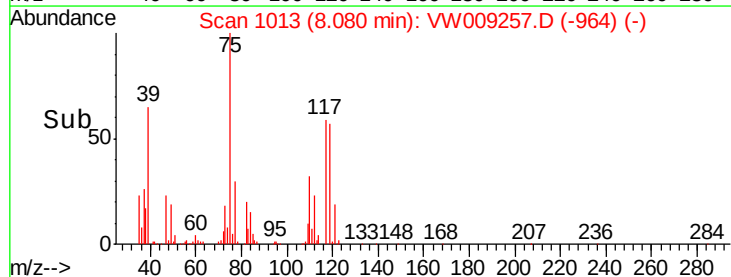
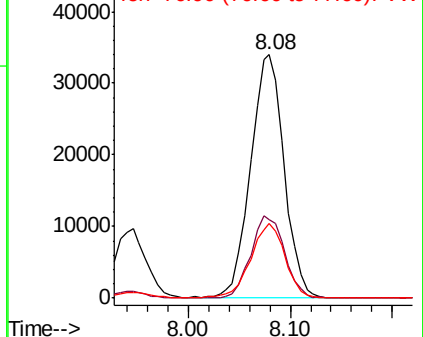
77 31.2 24.6 36.8

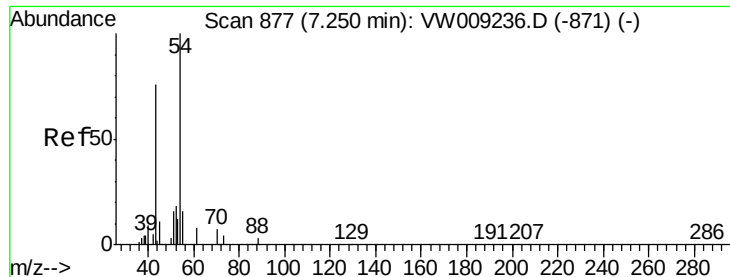


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

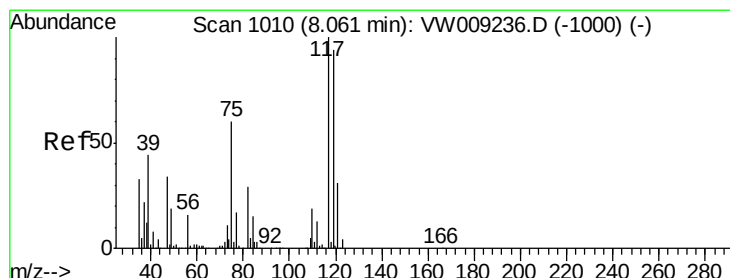
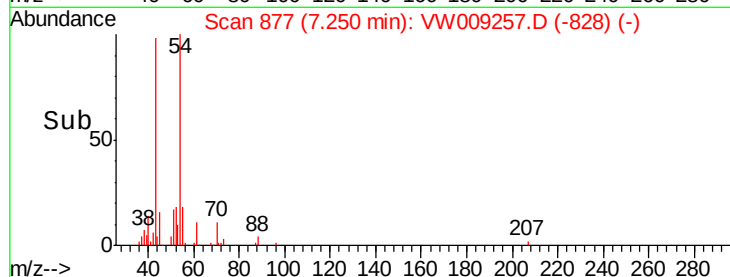
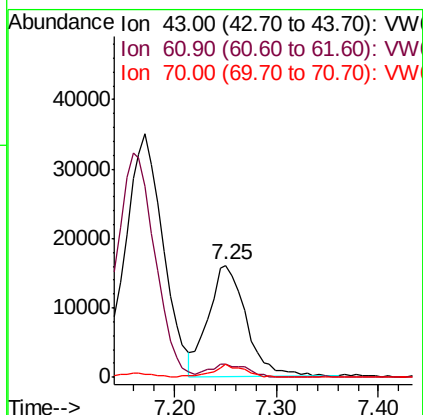
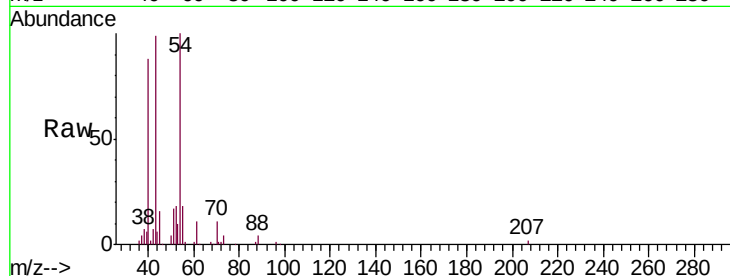




#37
Ethyl Acetate
Concen: 21.369 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

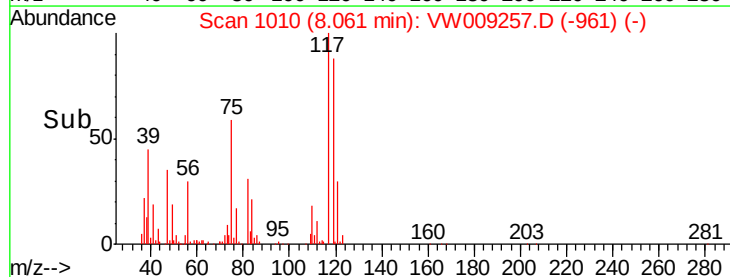
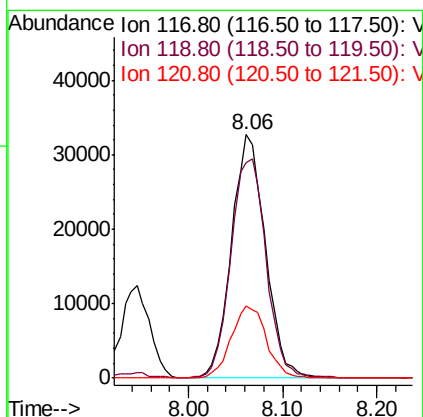
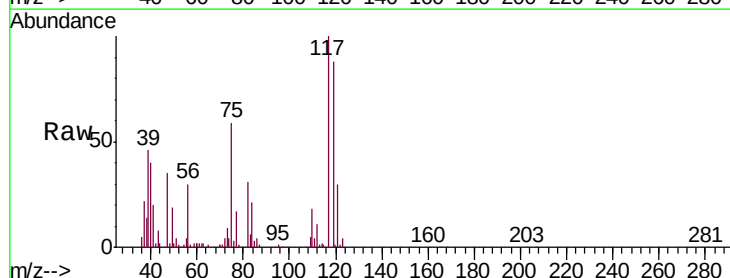
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

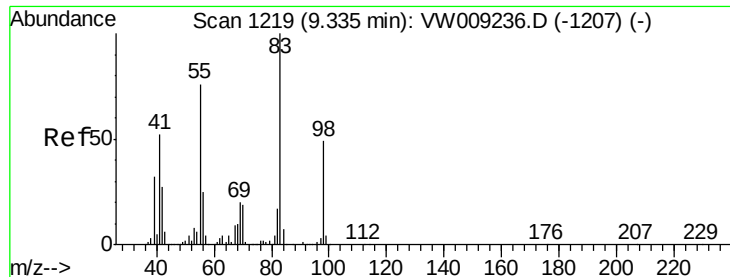
Tgt Ion: 43 Resp: 41506
Ion Ratio Lower Upper
43 100
61 11.7 10.0 15.0
70 9.7 7.3 10.9



#38
Carbon Tetrachloride
Concen: 18.111 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion: 117 Resp: 81583
Ion Ratio Lower Upper
117 100
119 88.5 75.4 113.0
121 29.6 24.9 37.3

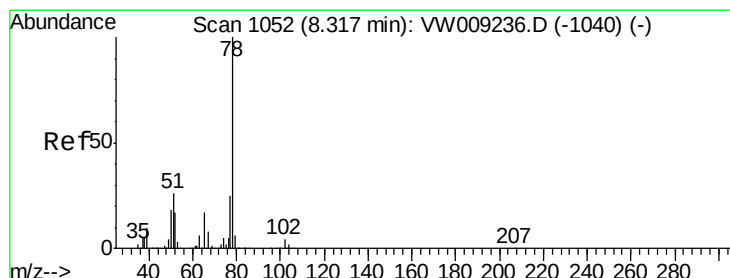
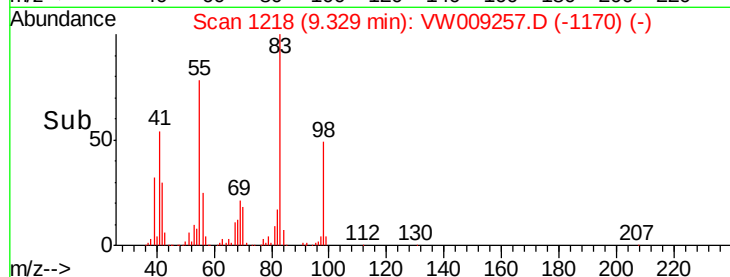
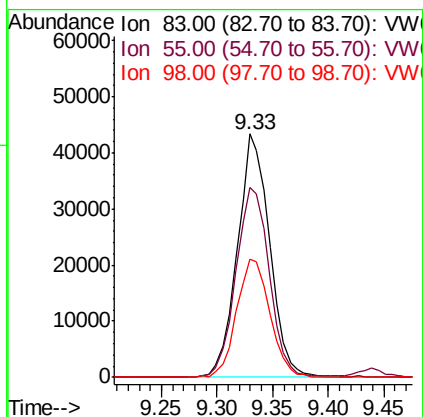
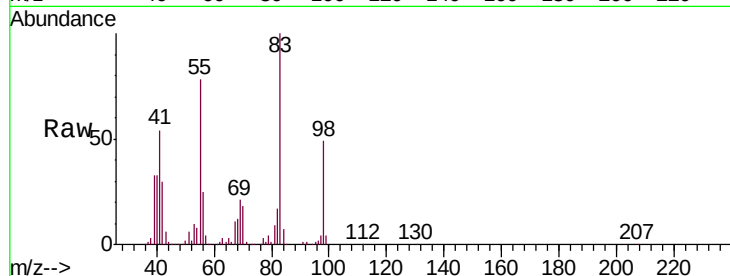




#39
Methylcyclohexane
Concen: 17.707 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

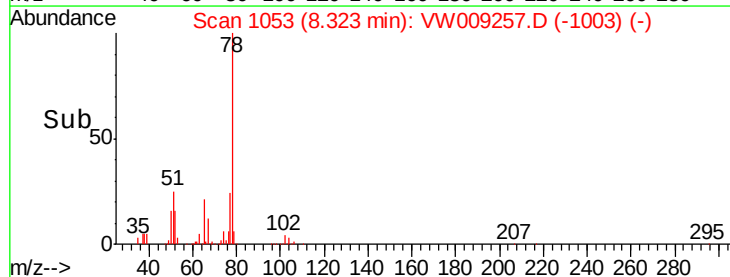
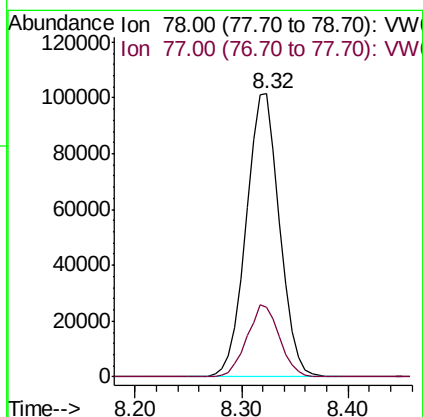
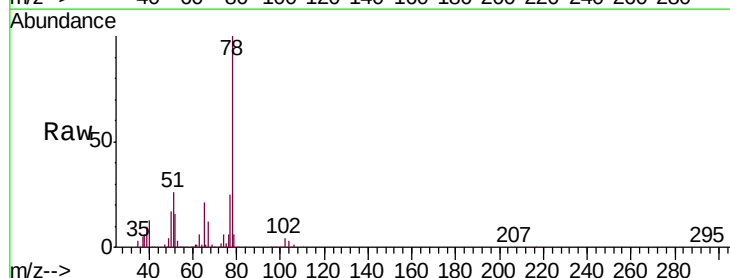
Instrument :
MSVOA_W
ClientSampled :
VW0319SBS02

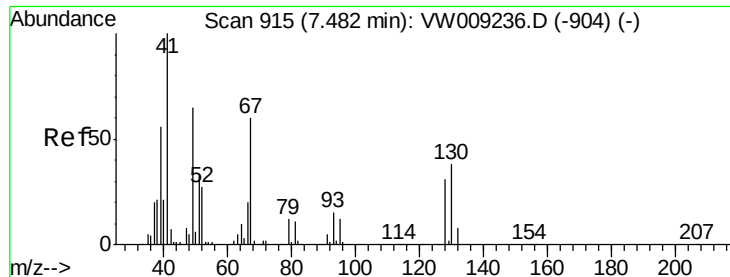
Tgt Ion: 83 Resp: 87202
Ion Ratio Lower Upper
83 100
55 77.9 61.1 91.7
98 48.7 39.0 58.4



#40
Benzene
Concen: 19.385 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion: 78 Resp: 223757
Ion Ratio Lower Upper
78 100
77 24.5 19.8 29.6

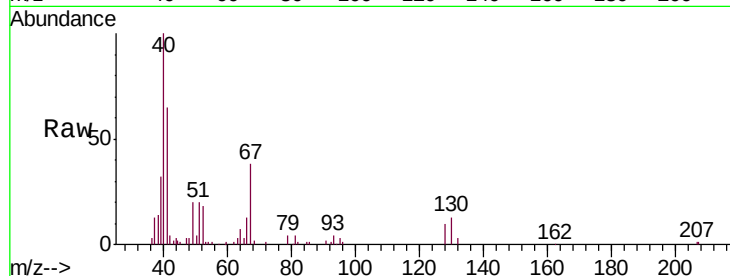




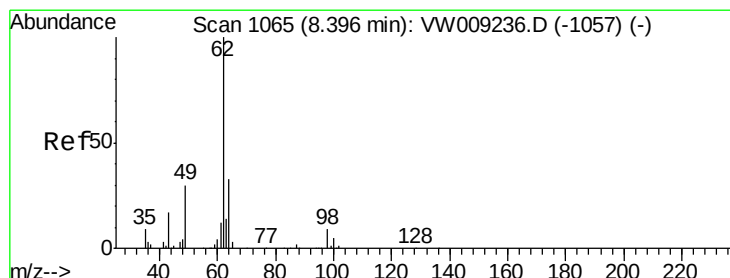
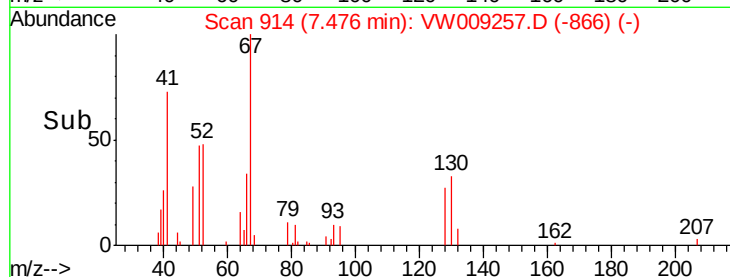
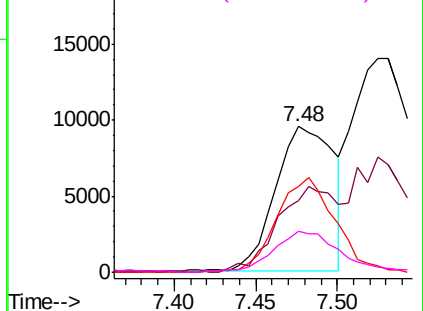
#41
Methacrylonitrile
Concen: 22.499 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tgt Ion:	41	Resp:	23553
Ion	Ratio	Lower	Upper
41	100		
39	58.8	52.5	78.7
67	65.8	56.6	84.8
52	32.8	27.2	40.8

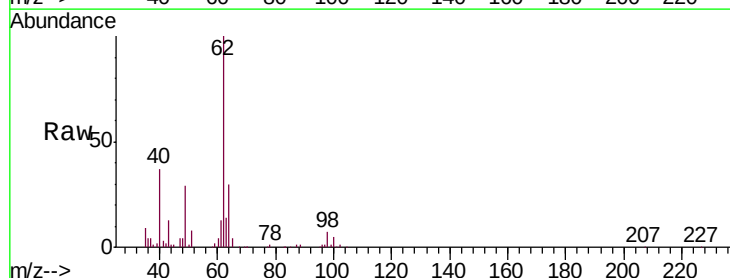


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

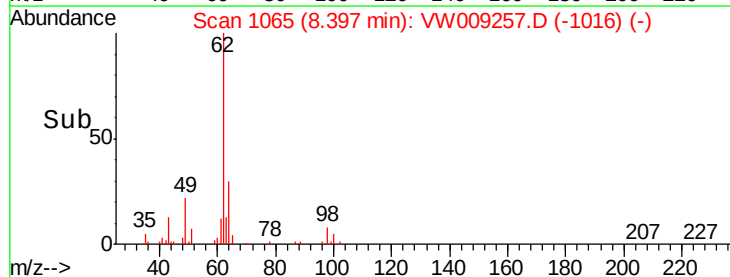
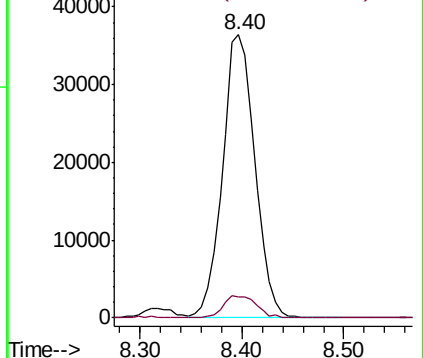


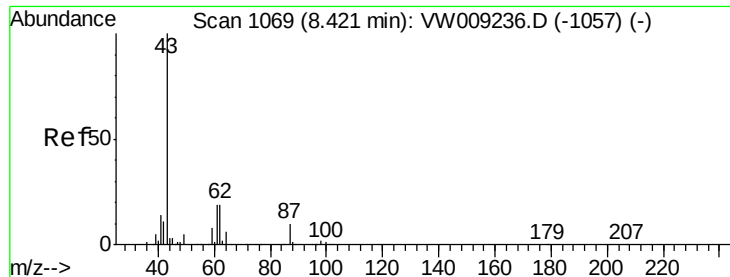
#42
1,2-Dichloroethane
Concen: 21.188 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion:	62	Resp:	79947
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.4



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





#43

Isopropyl Acetate

Concen: 20.028 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

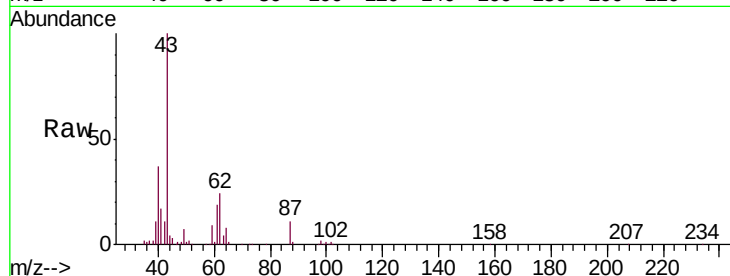
Tgt Ion: 43 Resp: 77893

Ion Ratio Lower Upper

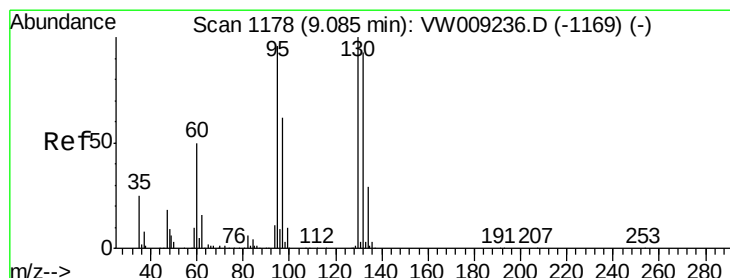
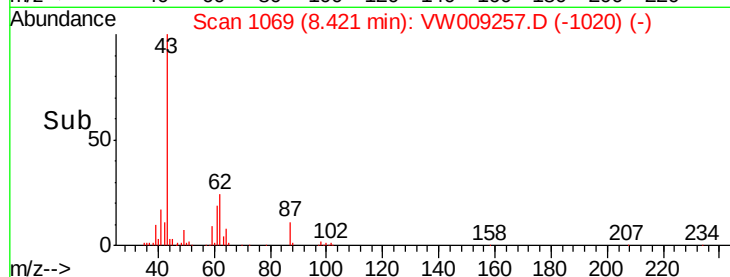
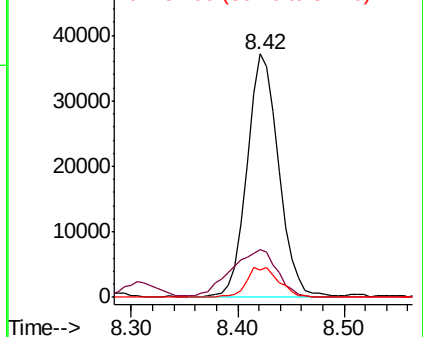
43 100

61 27.5 22.2 33.2

87 12.5 9.6 14.4



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: 18.671 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009257.D

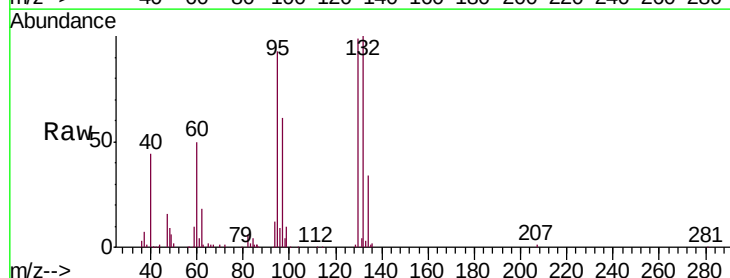
Acq: 20 Mar 2019 00:37

Tgt Ion: 130 Resp: 59037

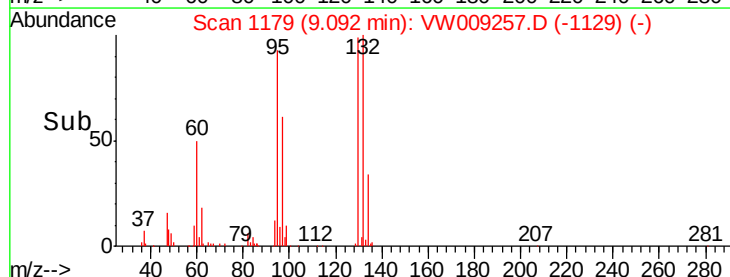
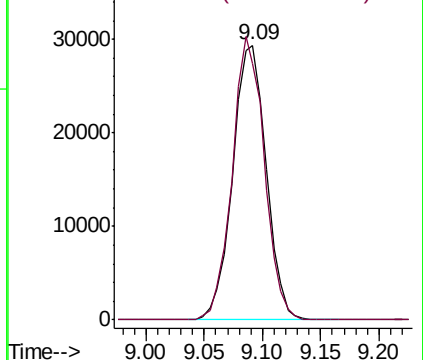
Ion Ratio Lower Upper

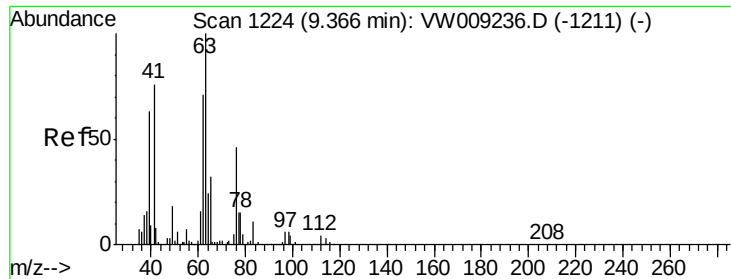
130 100

95 93.3 0.0 192.6



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

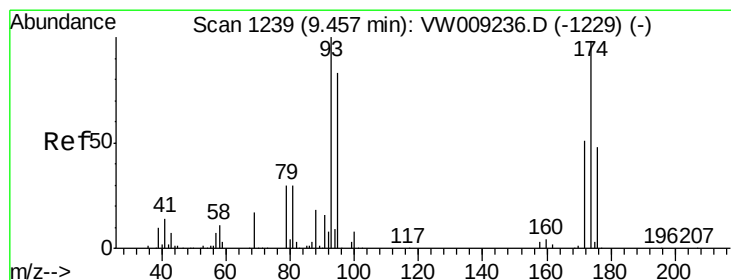
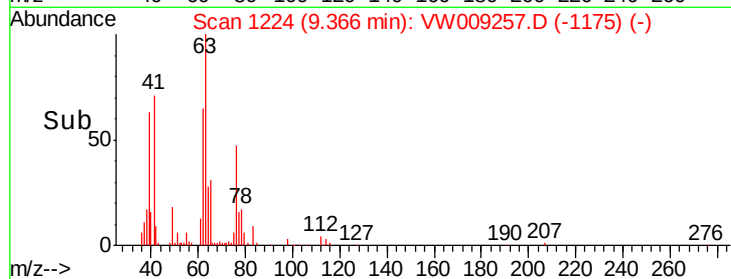
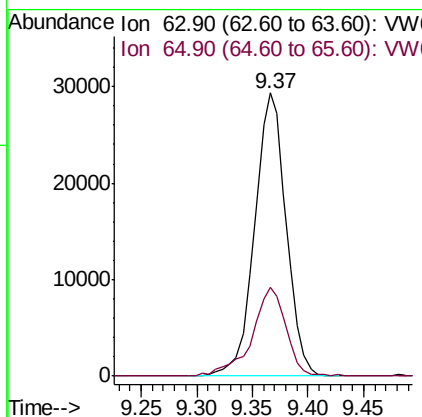
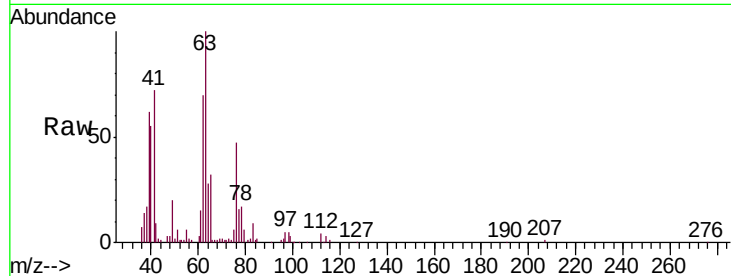




#45
 1,2-Dichloropropane
 Concen: 19.674 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

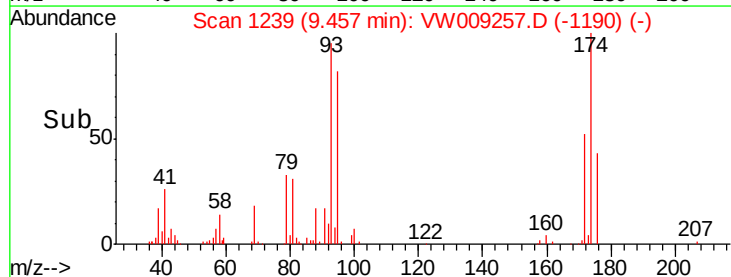
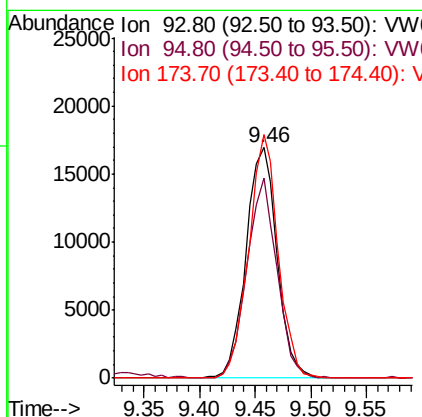
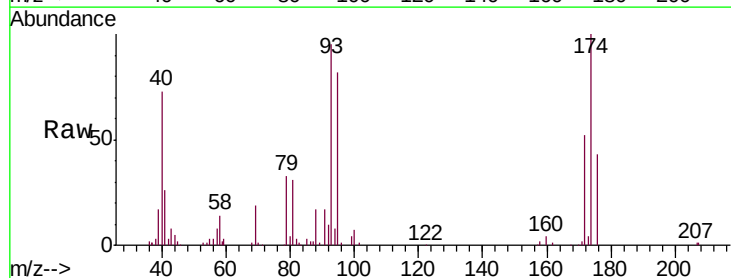
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

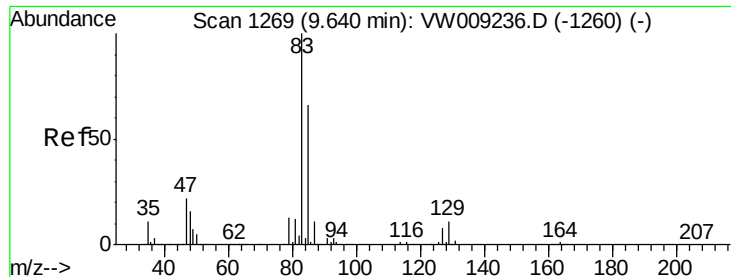
Tgt Ion: 63 Resp: 57729
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.8 38.8



#46
 Dibromomethane
 Concen: 20.470 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Tgt Ion: 93 Resp: 33030
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.9 100.3
 174 99.4 80.8 121.2

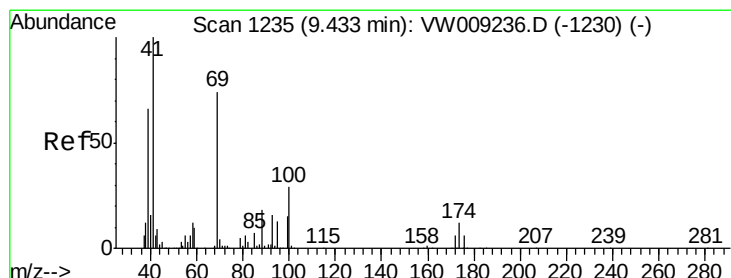
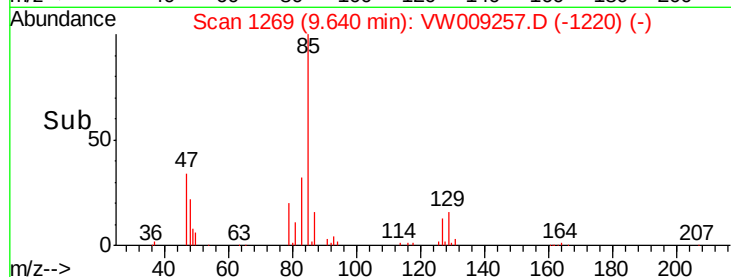
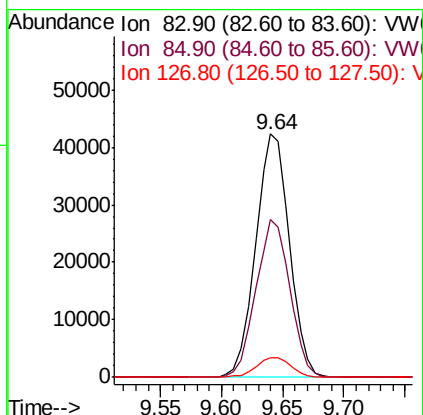
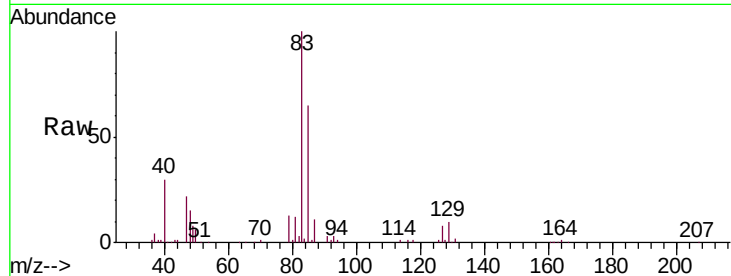




#47
Bromodichloromethane
Concen: 19.886 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

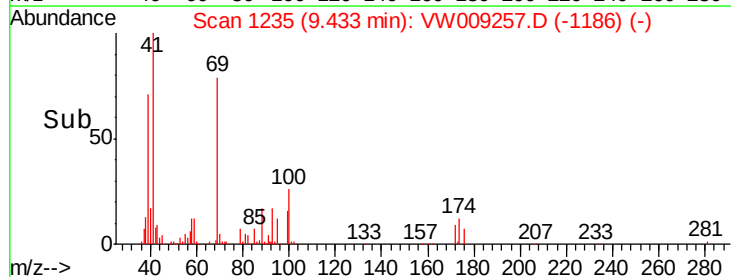
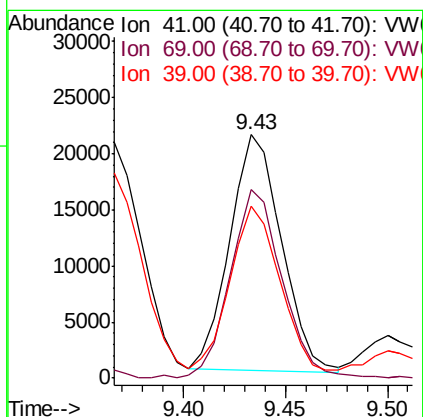
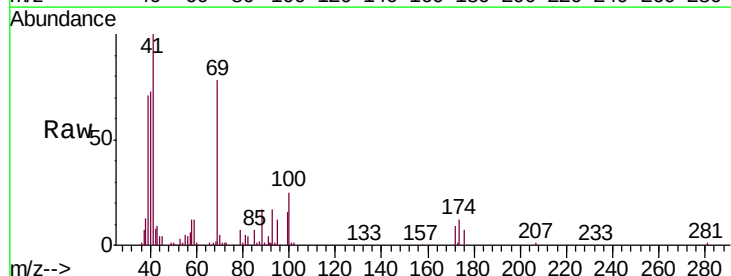
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

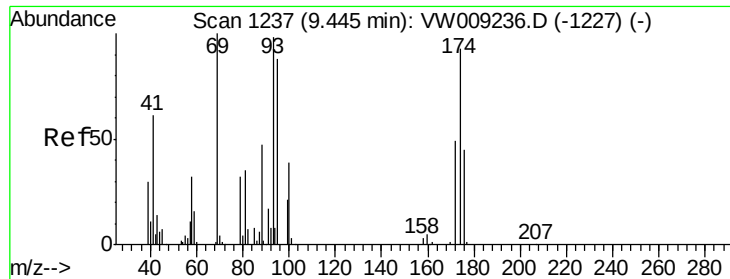
Tgt Ion: 83 Resp: 81084
Ion Ratio Lower Upper
83 100
85 64.8 52.6 79.0
127 8.1 6.5 9.7



#48
Methyl methacrylate
Concen: 20.609 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion: 41 Resp: 37110
Ion Ratio Lower Upper
41 100
69 80.2 63.0 94.6
39 72.3 57.2 85.8





#49

1,4-Dioxane

Concen: 412.111 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

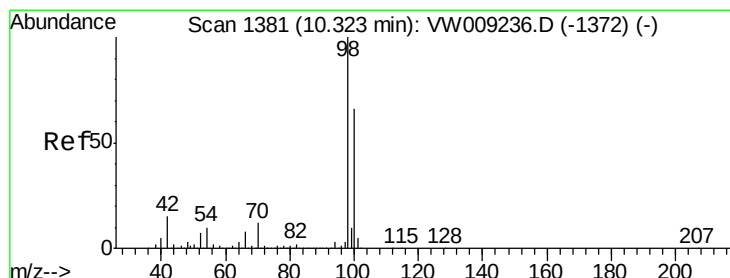
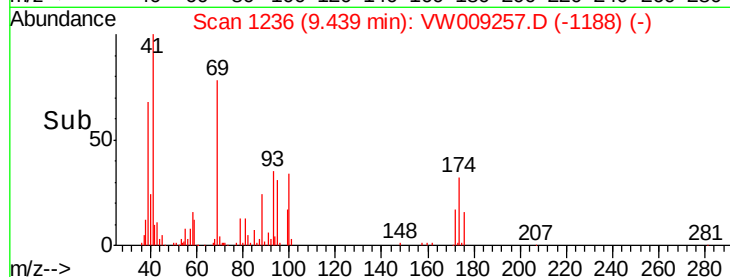
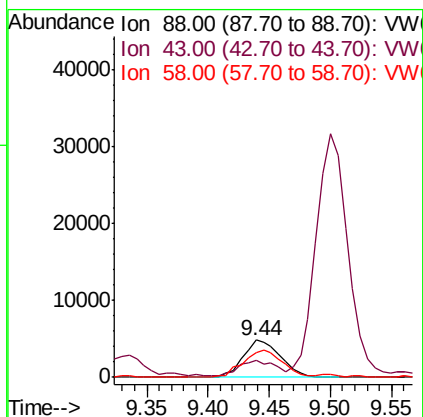
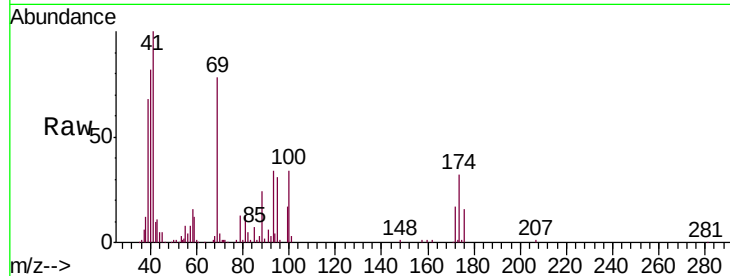
Tgt Ion: 88 Resp: 10314

Ion Ratio Lower Upper

88 100

43 40.6 29.7 44.5

58 77.9 58.1 87.1



#50

Toluene-d8

Concen: 48.060 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009257.D

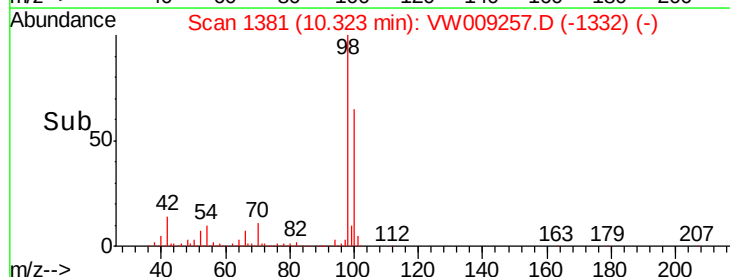
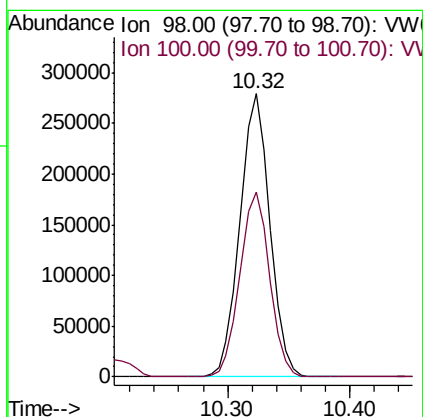
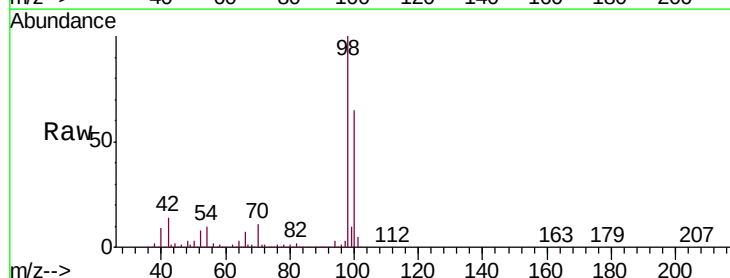
Acq: 20 Mar 2019 00:37

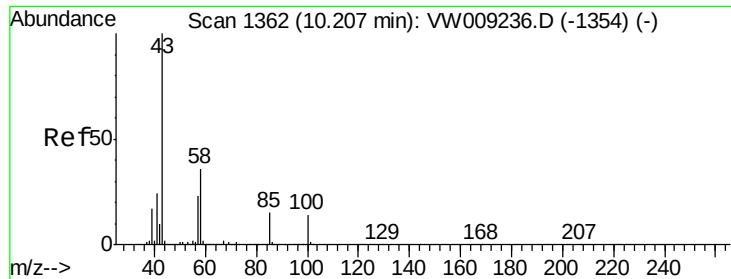
Tgt Ion: 98 Resp: 473904

Ion Ratio Lower Upper

98 100

100 65.2 52.6 79.0

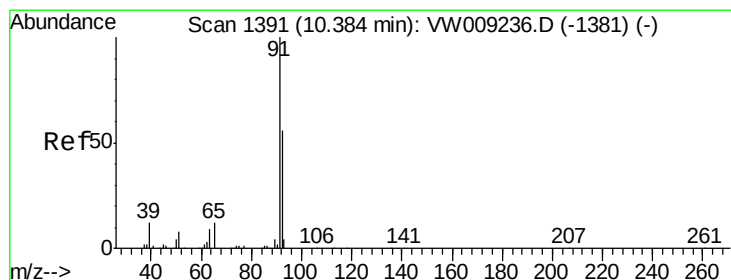
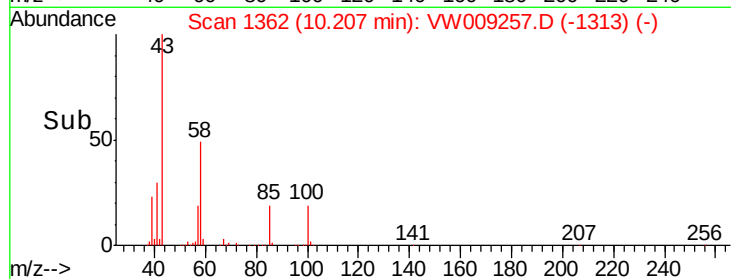
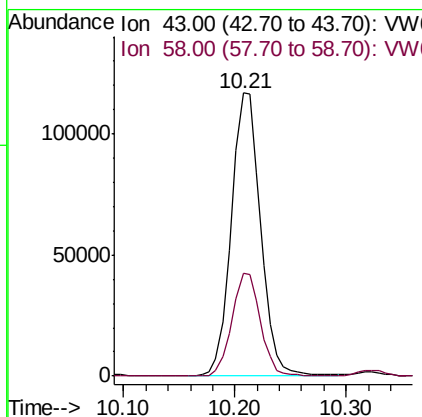
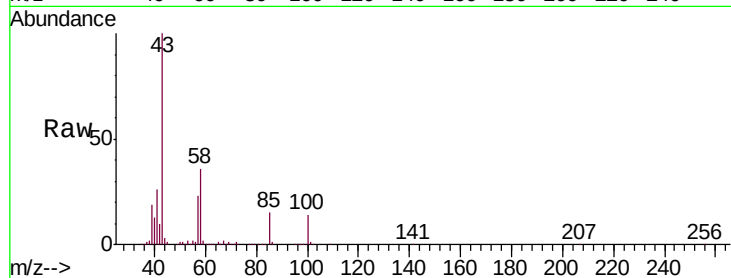




#51
 4-Methyl-2-Pentanone
 Concen: 104.551 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

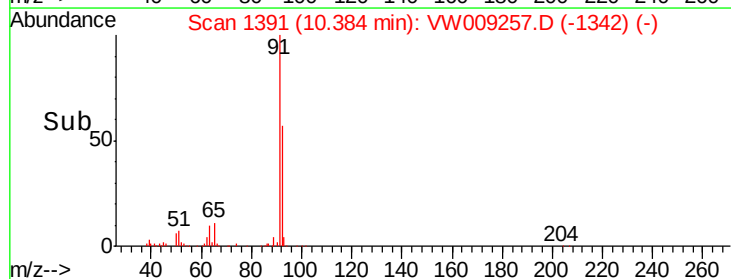
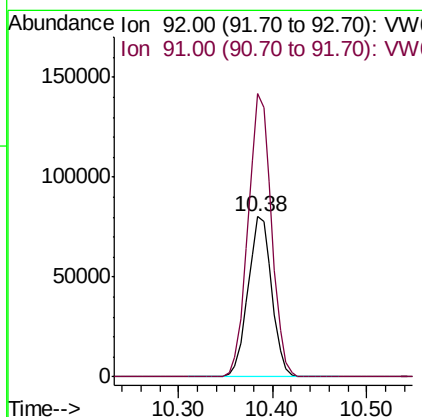
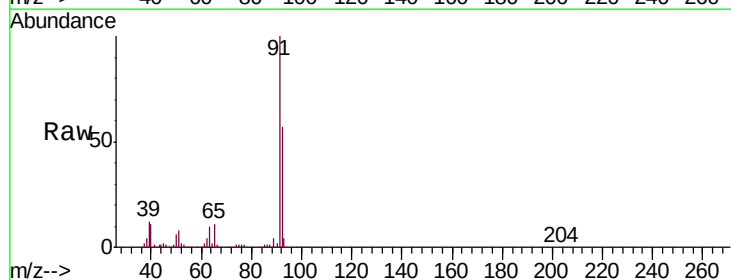
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

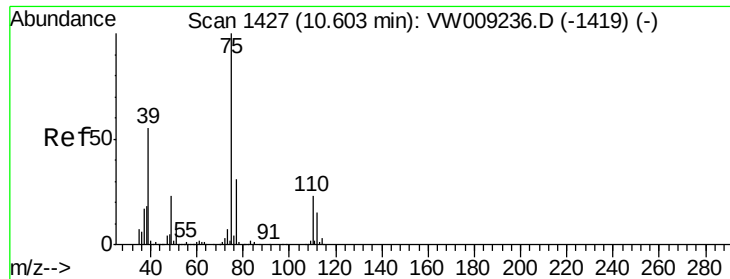
Tgt Ion: 43 Resp: 211918
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.6 42.8



#52
 Toluene
 Concen: 19.445 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Tgt Ion: 92 Resp: 142219
 Ion Ratio Lower Upper
 92 100
 91 174.0 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 19.023 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

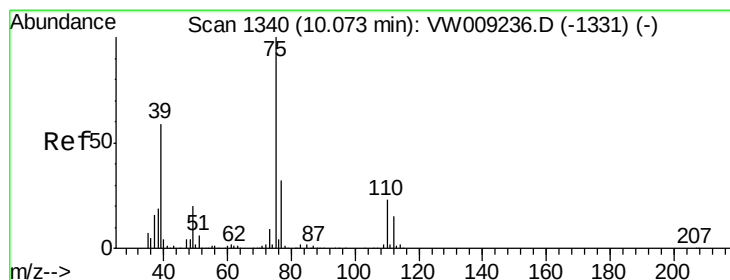
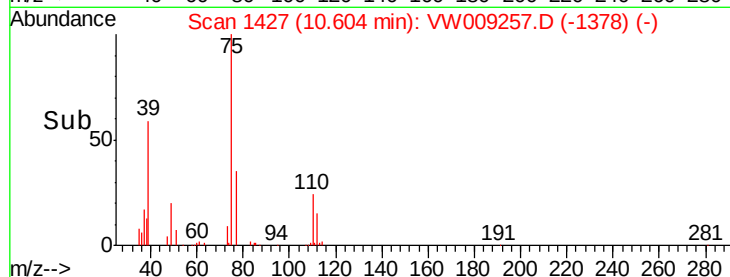
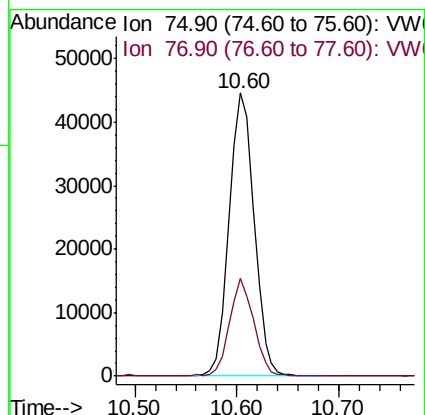
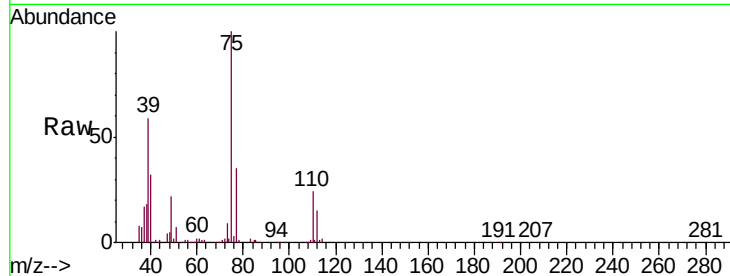
VW0319SBS02

Tgt Ion: 75 Resp: 75639

Ion Ratio Lower Upper

75 100

77 34.5 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 19.282 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

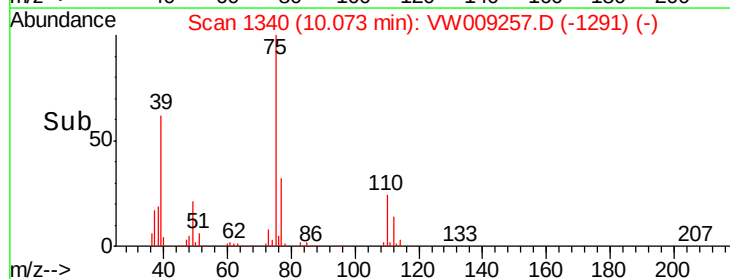
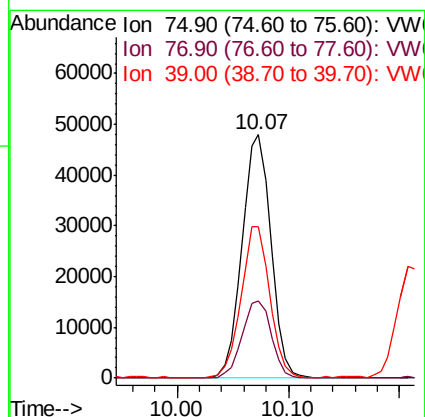
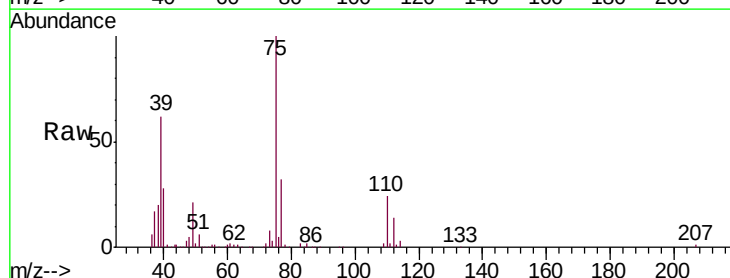
Tgt Ion: 75 Resp: 86253

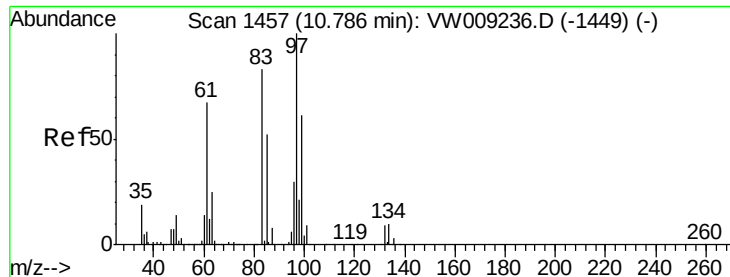
Ion Ratio Lower Upper

75 100

77 31.8 25.9 38.9

39 62.1 46.8 70.2





#55

1,1,2-Trichloroethane

Concen: 20.994 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tgt Ion: 97 Resp: 45870

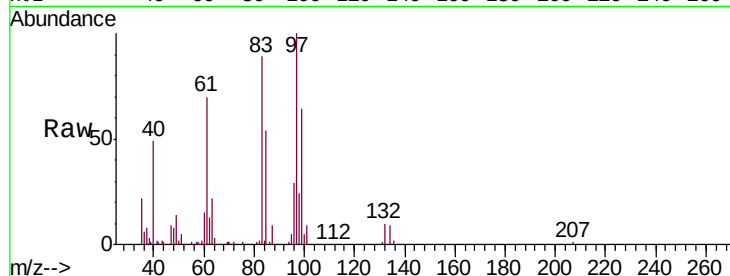
Ion Ratio Lower Upper

97 100

83 88.9 66.3 99.5

85 53.4 41.4 62.2

99 63.7 48.7 73.1

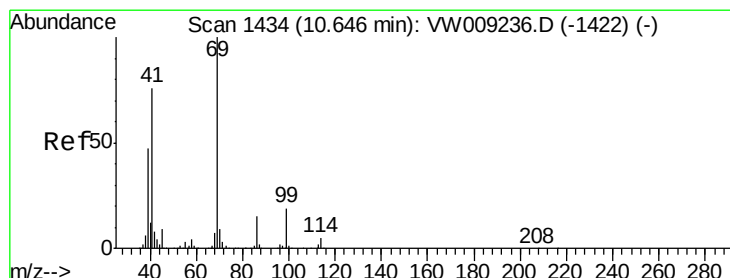
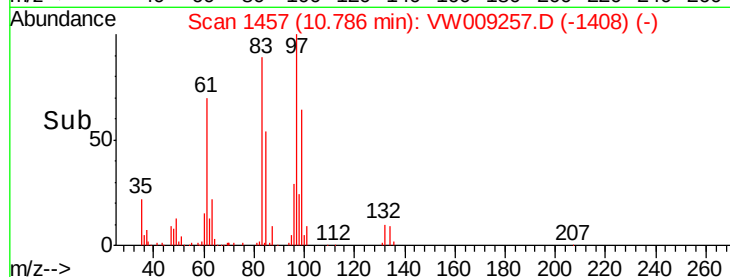
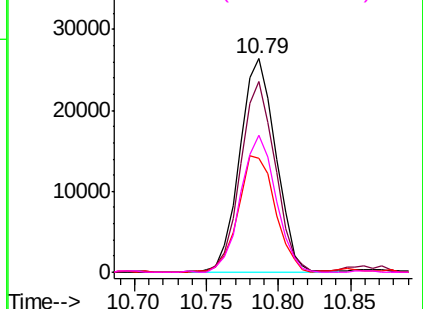


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.677 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

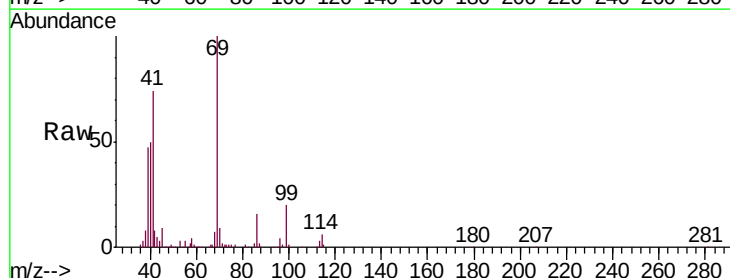
Tgt Ion: 69 Resp: 53795

Ion Ratio Lower Upper

69 100

41 73.4 59.3 88.9

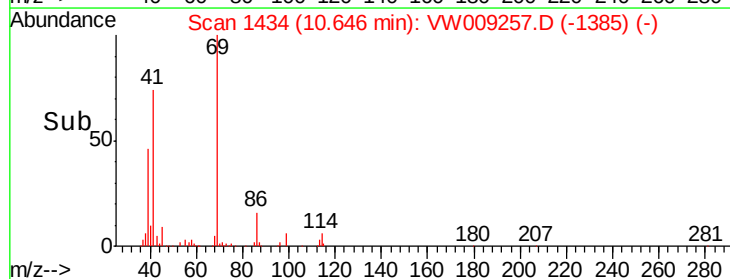
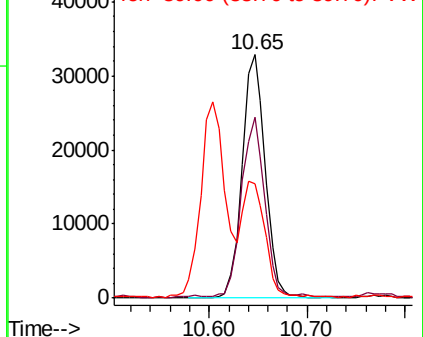
39 45.2 36.2 54.2

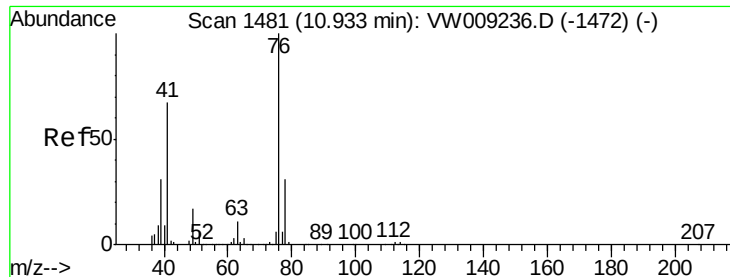


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

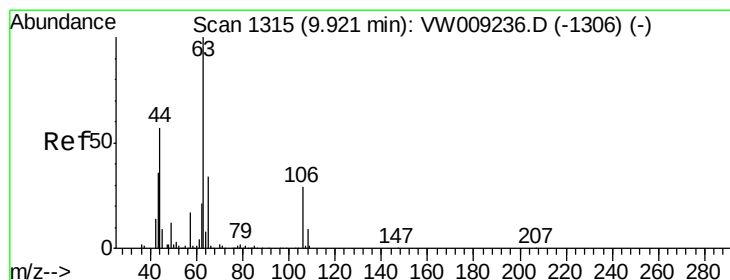
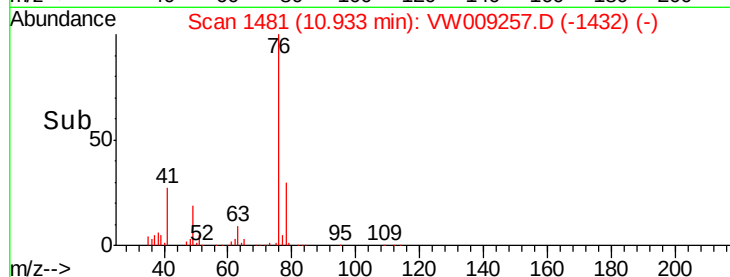
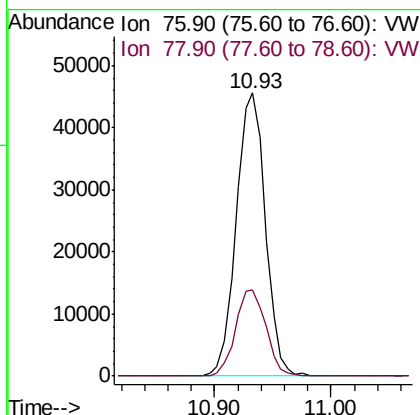
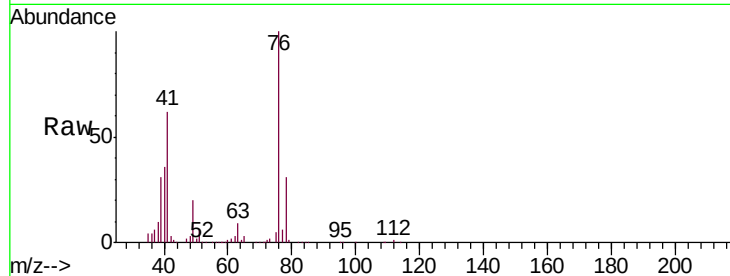




#57
 1,3-Dichloropropane
 Concen: 21.120 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

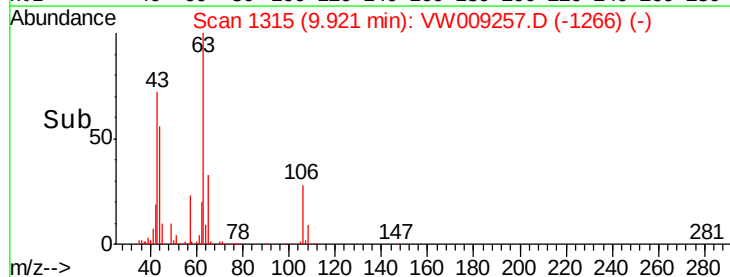
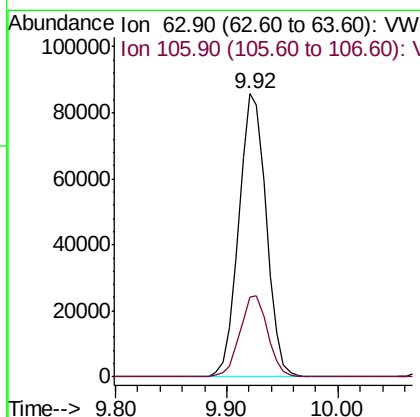
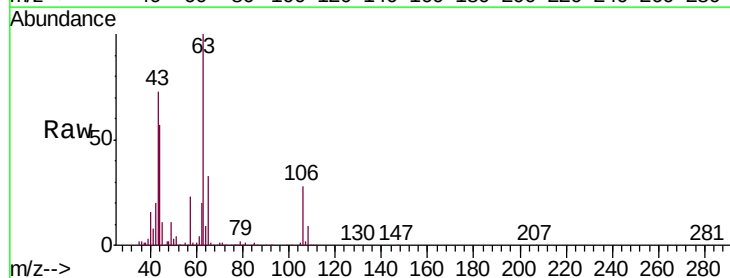
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

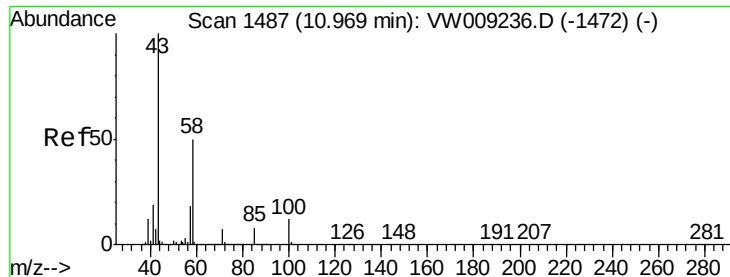
Tgt Ion: 76 Resp: 79589
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 192.535 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Tgt Ion: 63 Resp: 146565
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.9 34.3

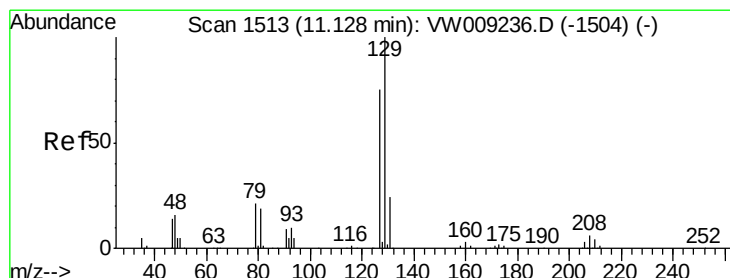
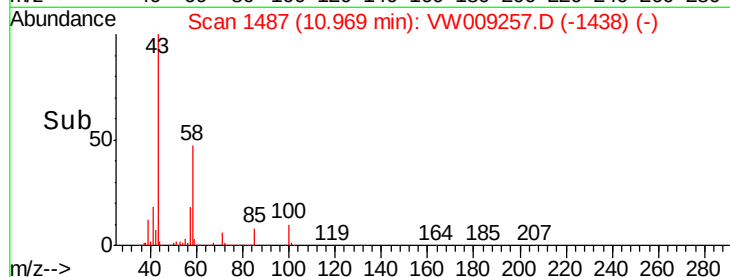
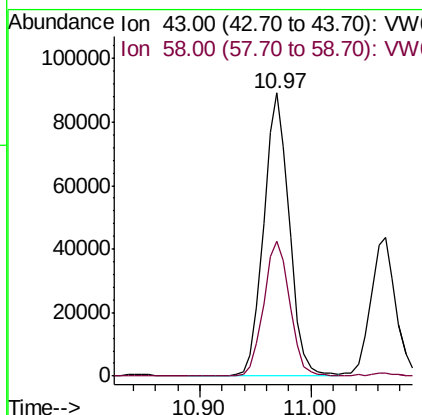
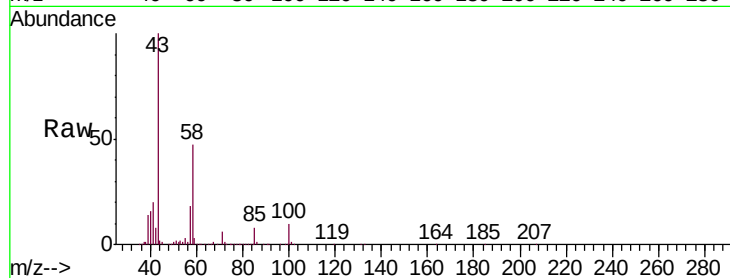




#59
2-Hexanone
Concen: 104.075 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

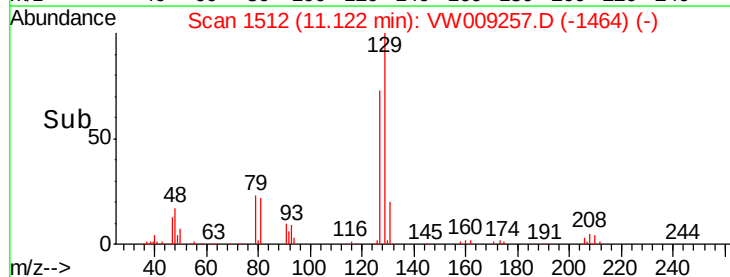
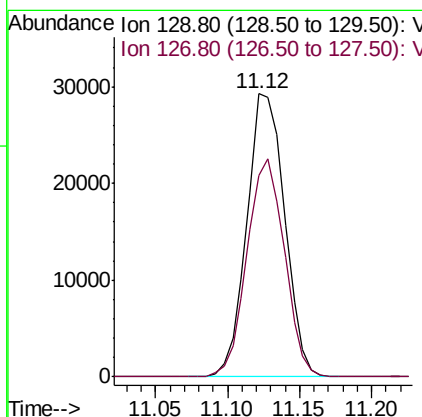
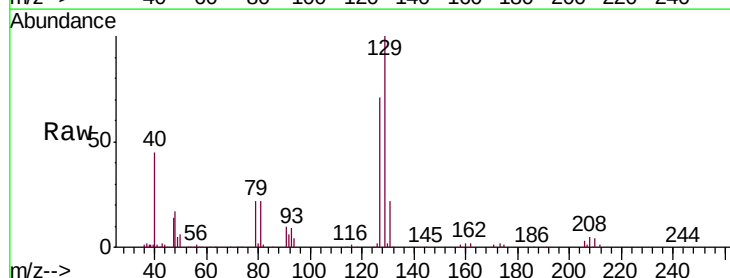
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

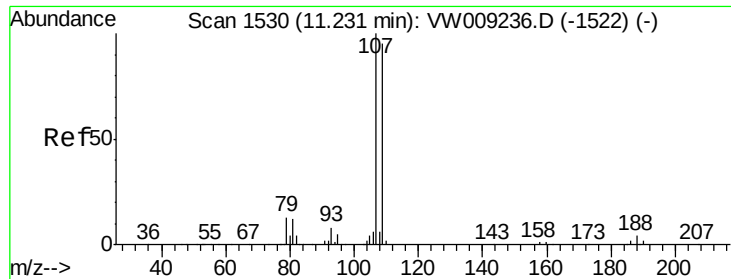
Tgt Ion: 43 Resp: 143216
Ion Ratio Lower Upper
43 100
58 48.5 24.2 72.6



#60
Dibromochloromethane
Concen: 19.723 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion: 129 Resp: 53239
Ion Ratio Lower Upper
129 100
127 76.1 38.1 114.5

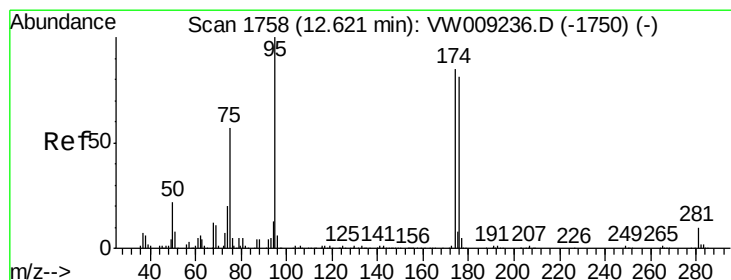
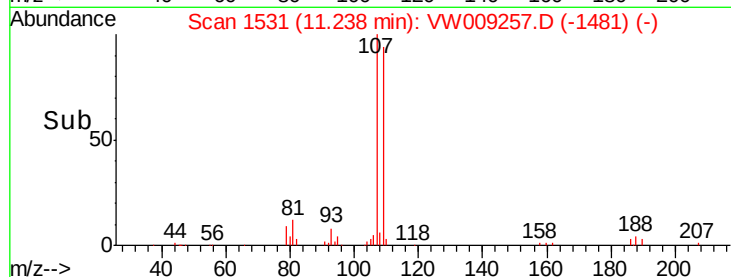
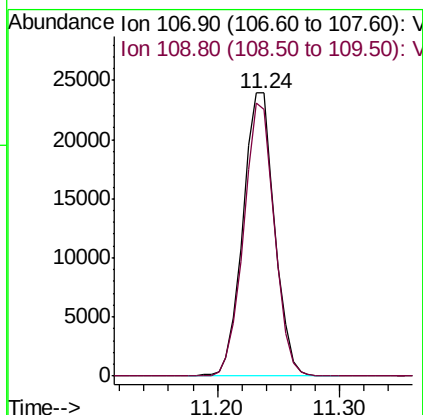
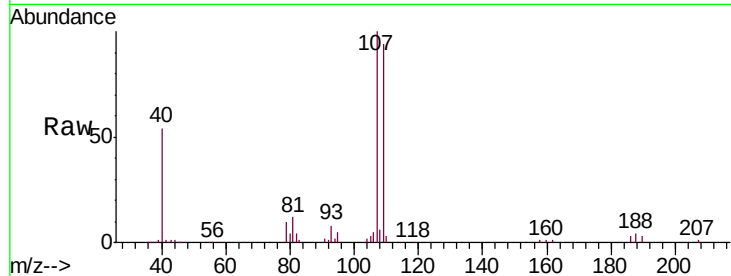




#61
 1,2-Dibromoethane
 Concen: 20.680 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

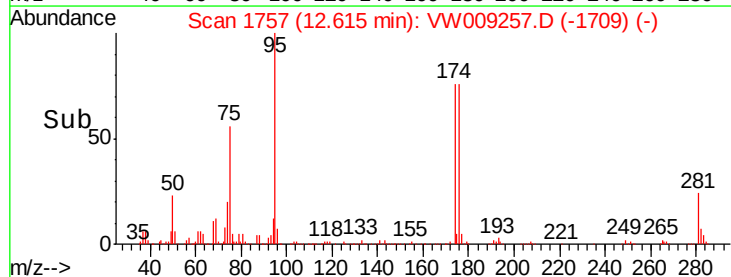
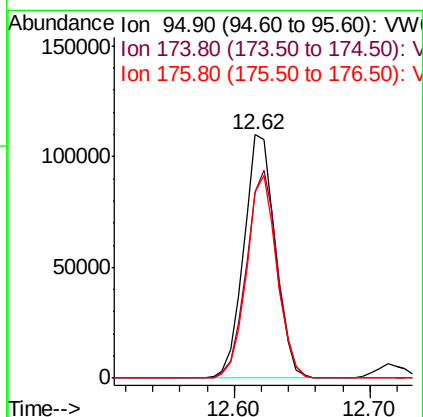
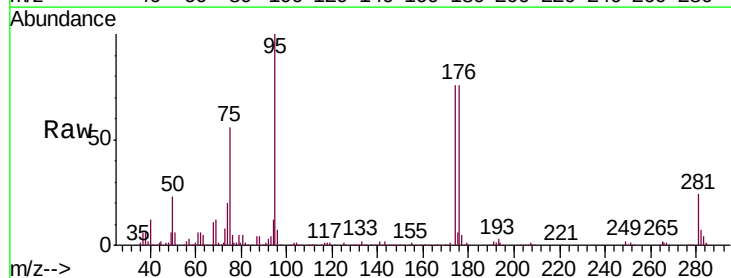
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

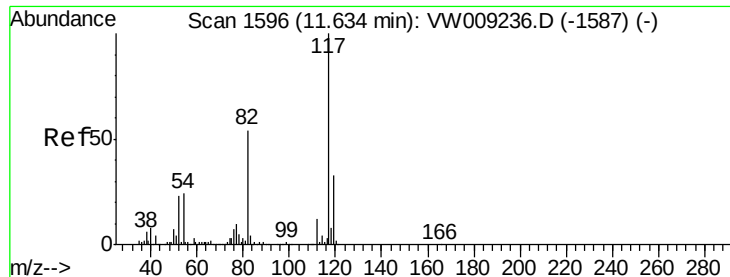
Tgt Ion: 107 Resp: 43034
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 48.951 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Tgt Ion: 95 Resp: 177228
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 168.4
 176 80.4 0.0 161.6

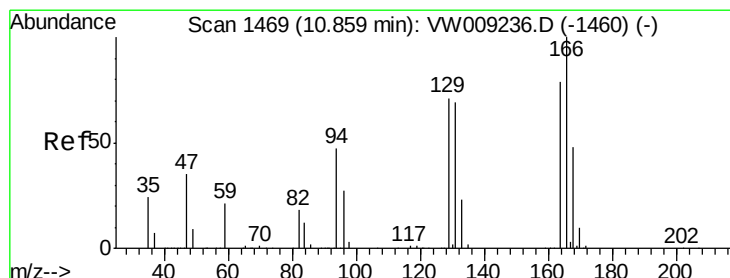
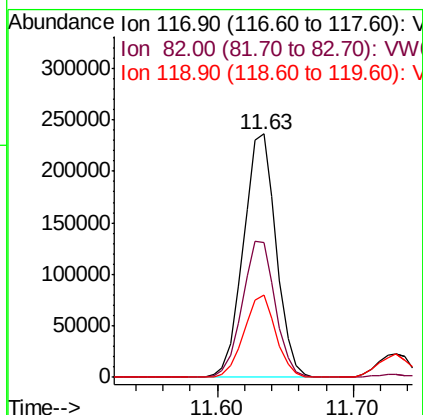
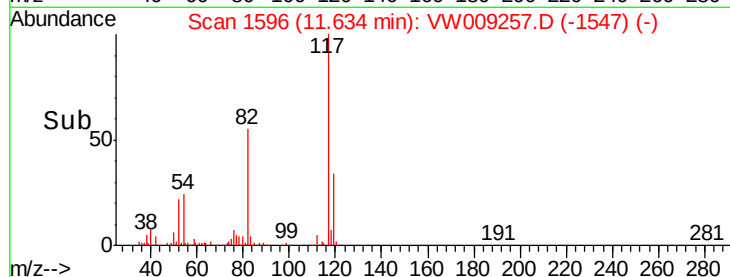
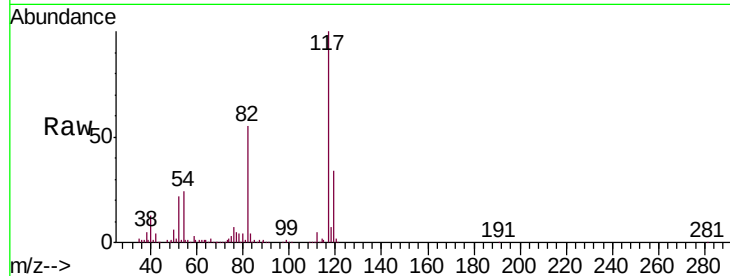




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

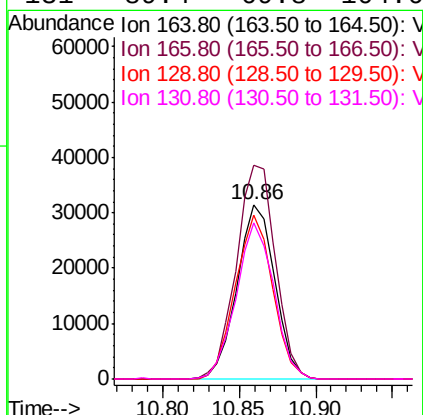
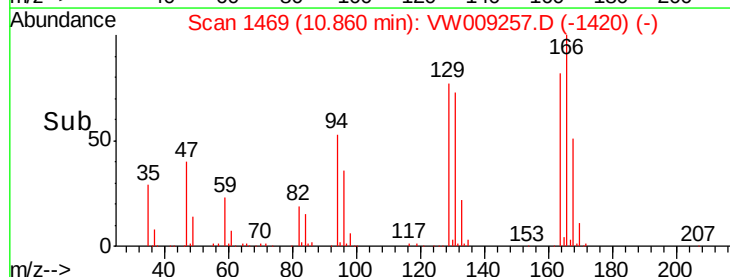
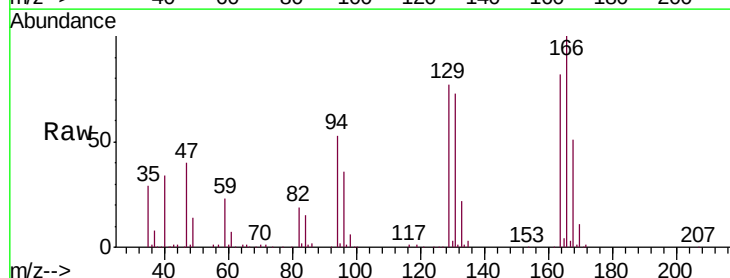
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

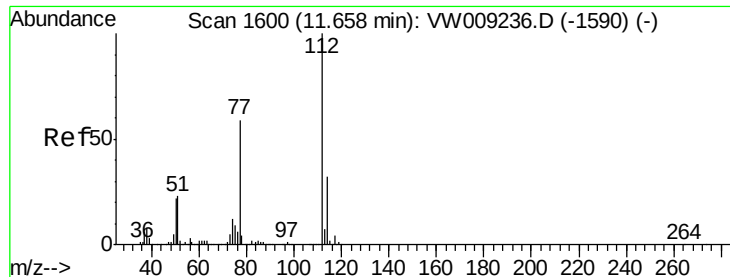
Tgt Ion:117 Resp: 398318
Ion Ratio Lower Upper
117 100
82 55.3 43.6 65.4
119 33.8 26.0 39.0



#64
Tetrachloroethene
Concen: 19.781 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion:164 Resp: 53959
Ion Ratio Lower Upper
164 100
166 122.4 100.9 151.3
129 94.1 72.0 108.0
131 89.4 69.8 104.6

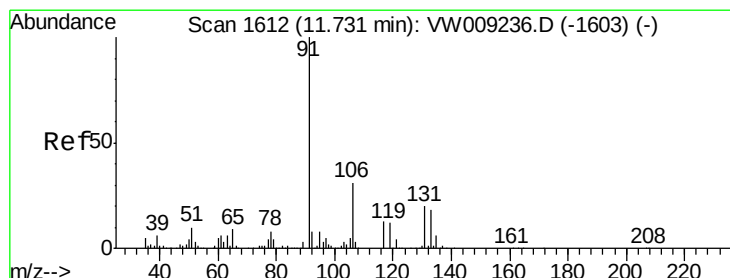
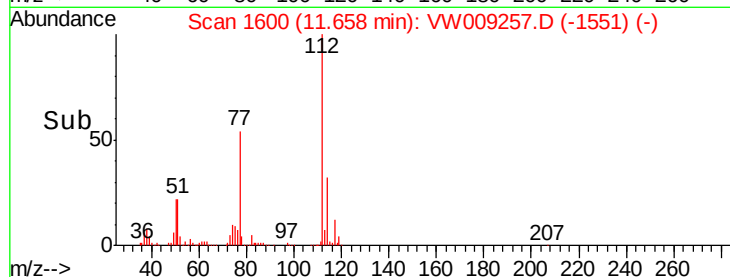
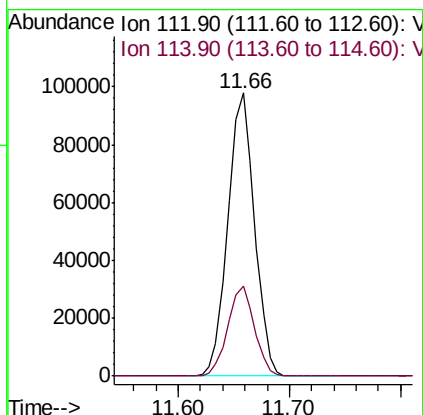
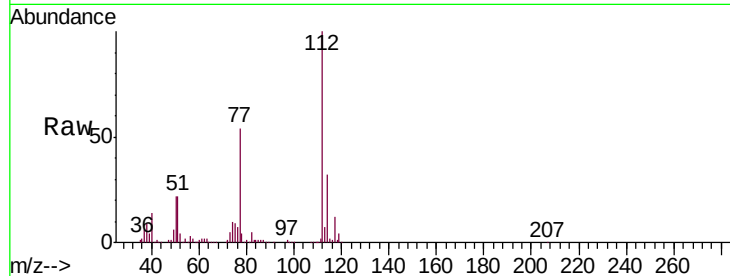




#65
Chlorobenzene
Concen: 19.718 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

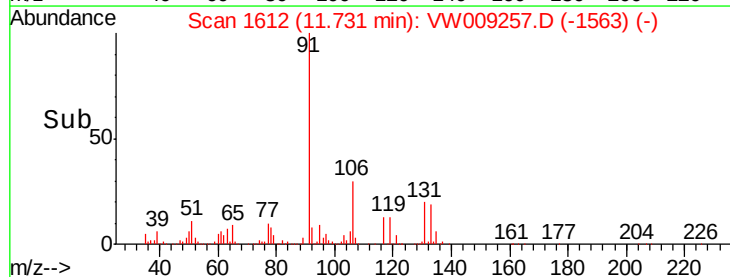
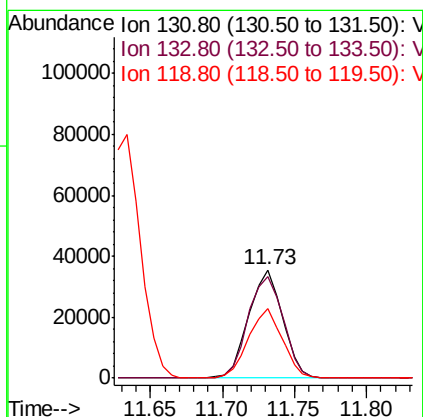
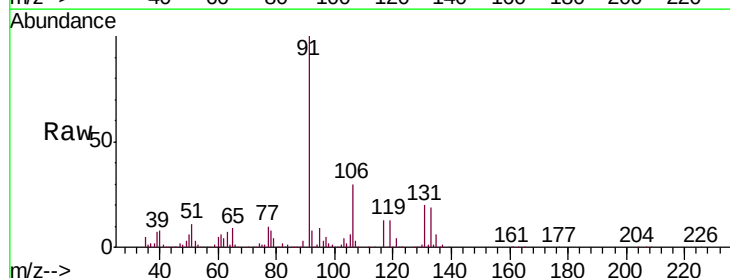
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

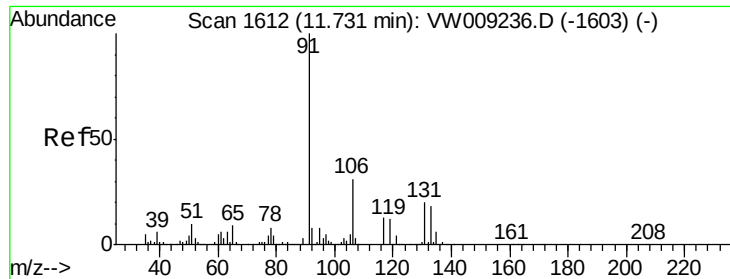
Tgt Ion:112 Resp: 162430
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.860 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion:131 Resp: 58030
Ion Ratio Lower Upper
131 100
133 97.9 47.3 141.8
119 64.5 31.6 95.0

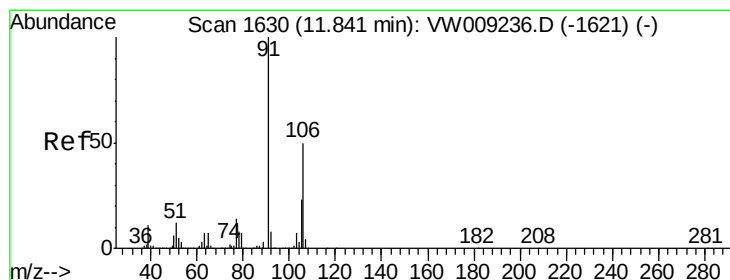
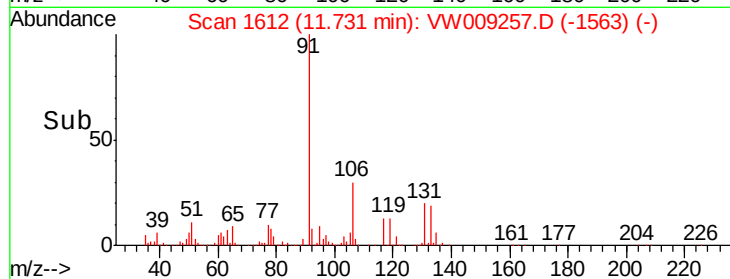
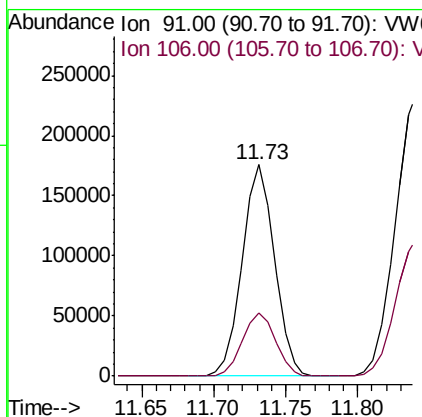
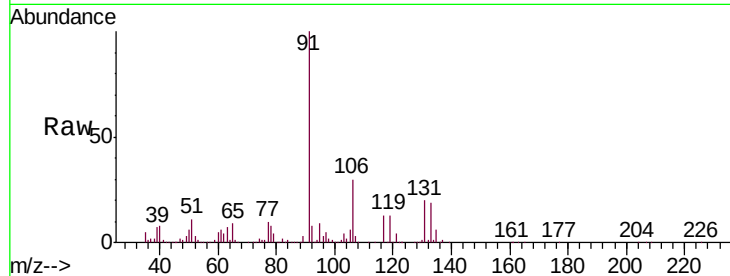




#67
Ethyl Benzene
Concen: 19.184 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

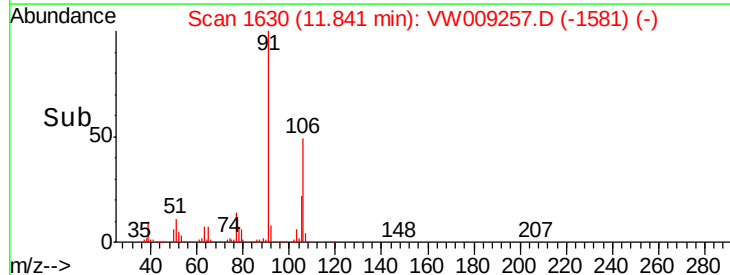
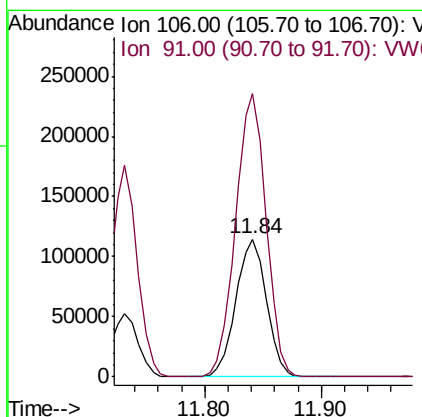
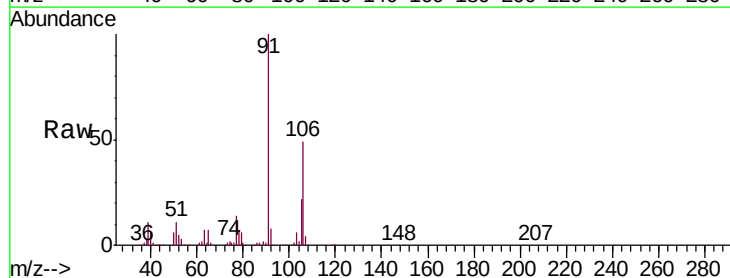
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

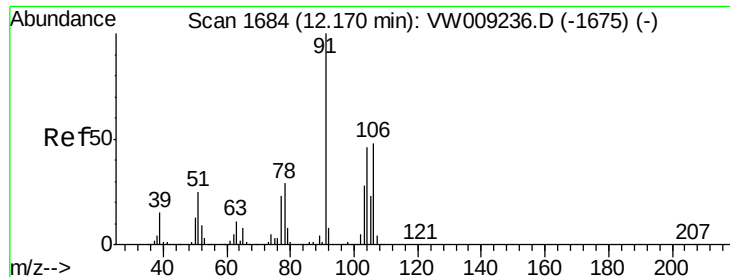
Tgt Ion: 91 Resp: 273723
Ion Ratio Lower Upper
91 100
106 30.0 24.6 36.8



#68
m/p-Xylenes
Concen: 37.962 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion: 106 Resp: 209945
Ion Ratio Lower Upper
106 100
91 205.6 163.1 244.7

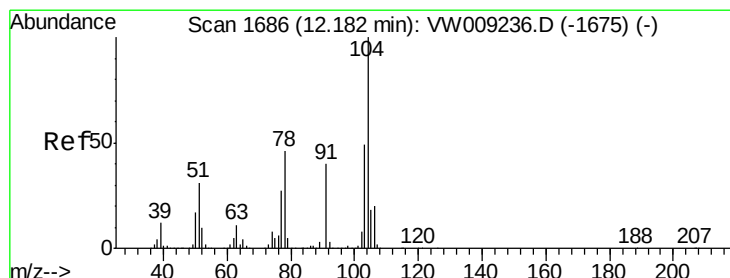
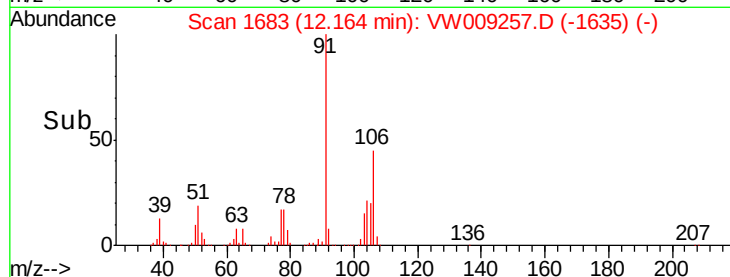
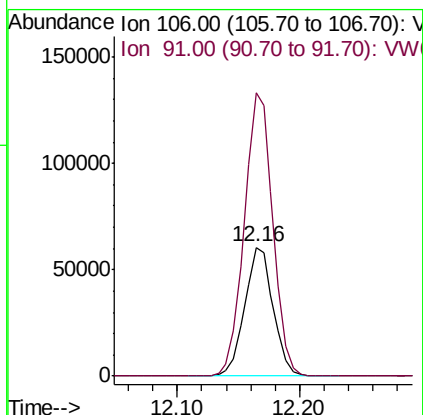
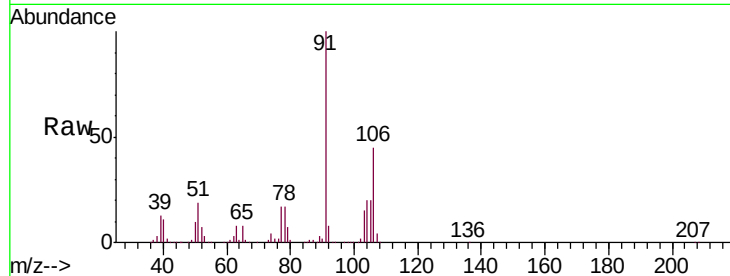




#69
o-Xylene
Concen: 18.956 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

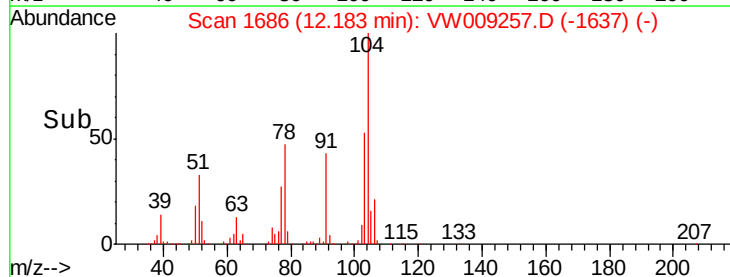
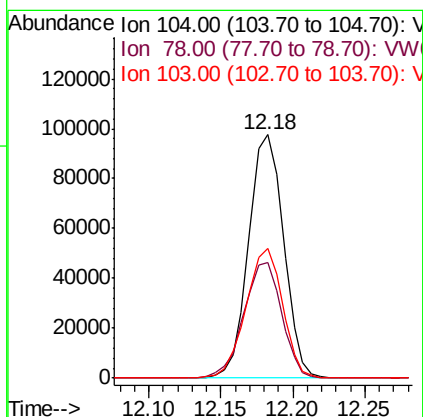
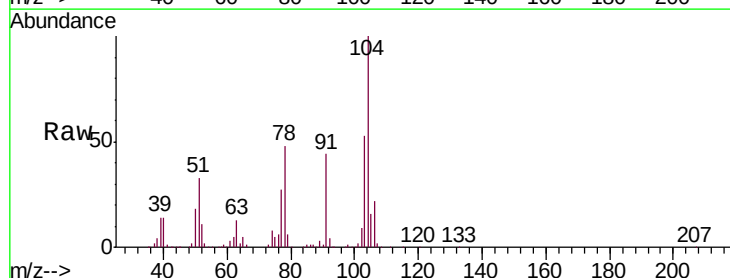
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

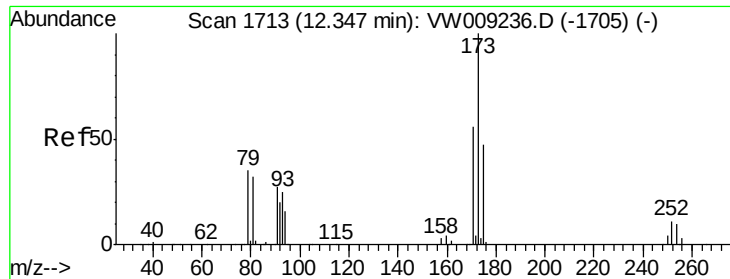
Tgt Ion:106 Resp: 97348
Ion Ratio Lower Upper
106 100
91 222.0 108.6 325.8



#70
Styrene
Concen: 19.419 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion:104 Resp: 164425
Ion Ratio Lower Upper
104 100
78 51.7 42.2 63.4
103 55.9 44.6 66.8

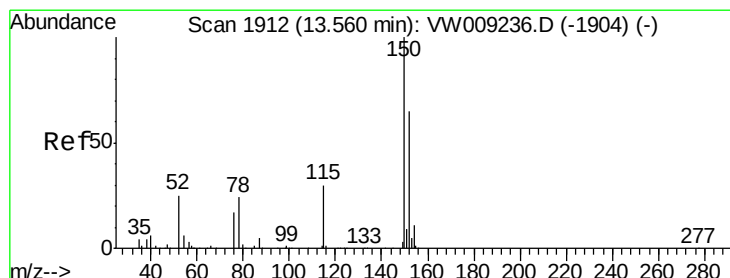
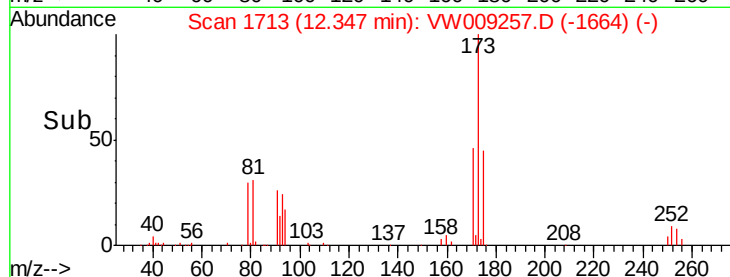
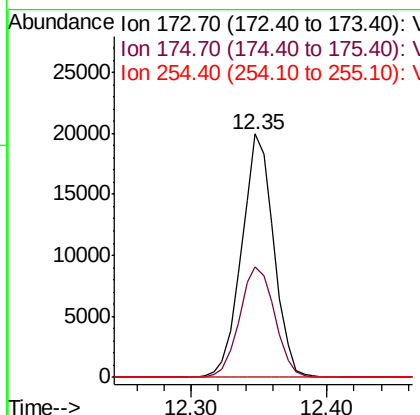
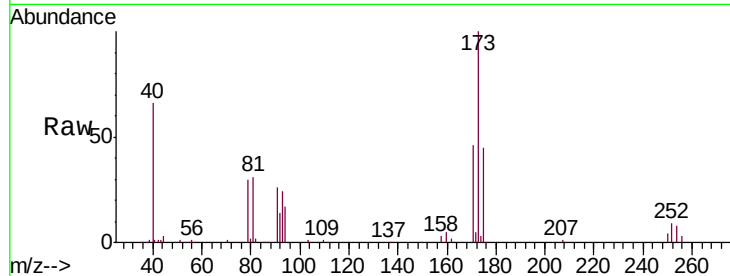




#71
Bromoform
Concen: 19.529 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

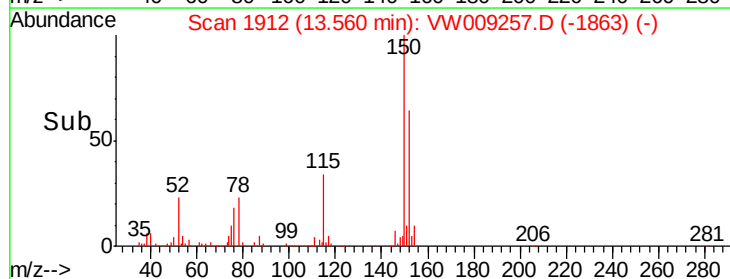
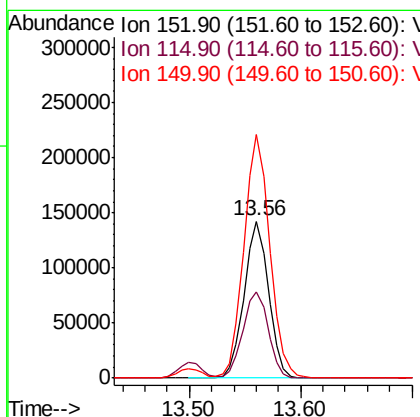
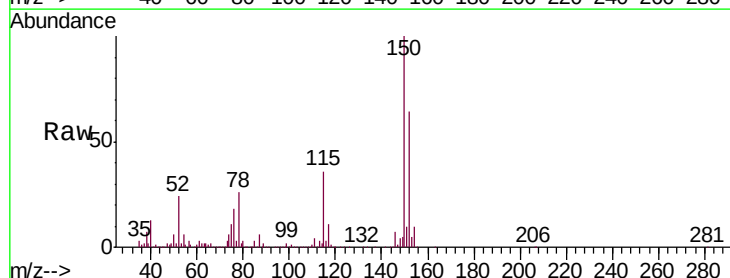
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

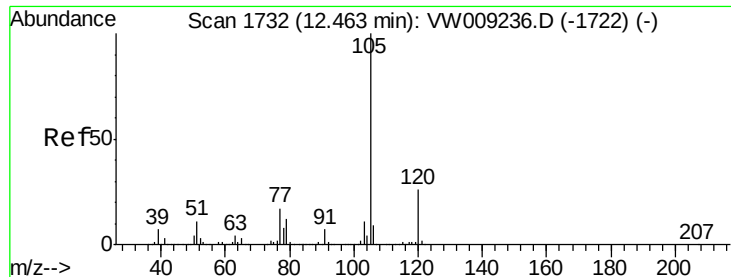
Tgt Ion:173 Resp: 32822
Ion Ratio Lower Upper
173 100
175 49.5 24.1 72.4
254 0.0 0.2 0.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion:152 Resp: 216684
Ion Ratio Lower Upper
152 100
115 57.8 29.6 88.8
150 164.2 0.0 349.2

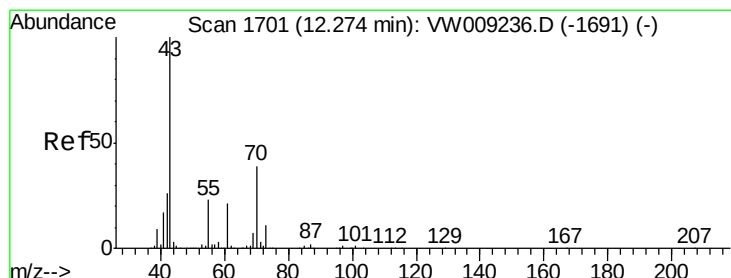
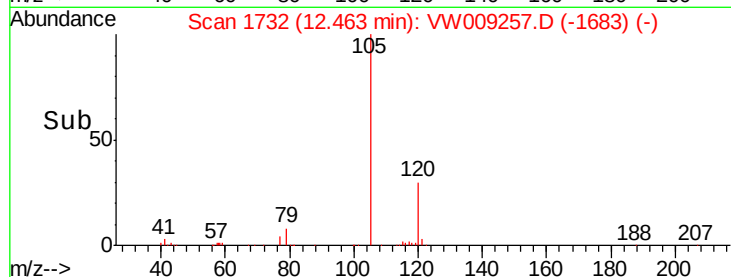
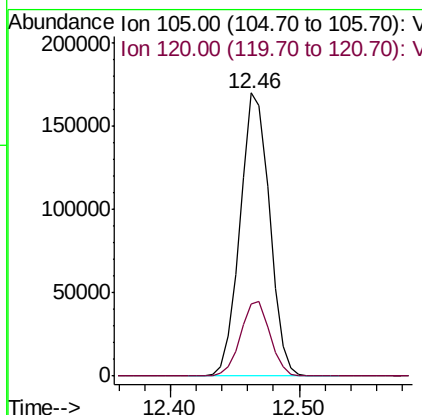
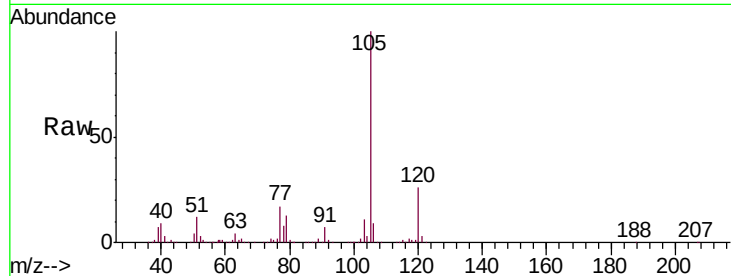




#73
Isopropylbenzene
Concen: 18.533 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

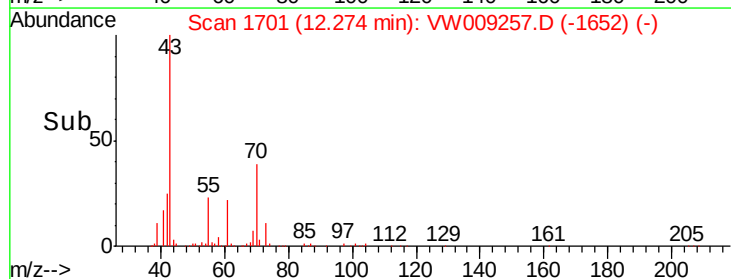
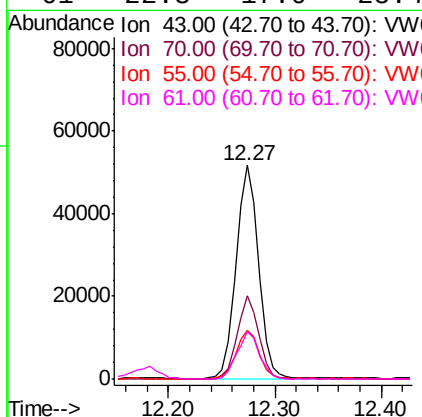
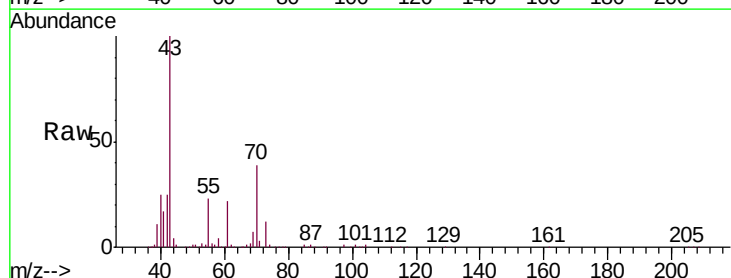
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

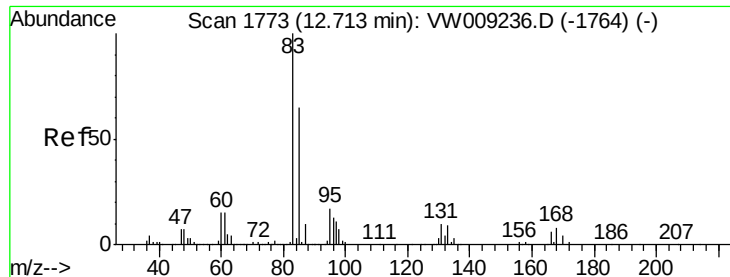
Tgt Ion: 105 Resp: 268419
Ion Ratio Lower Upper
105 100
120 26.2 13.0 39.0



#74
N-ethyl acetate
Concen: 20.400 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion: 43 Resp: 77070
Ion Ratio Lower Upper
43 100
70 36.9 30.6 46.0
55 23.6 19.3 28.9
61 22.3 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.341 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

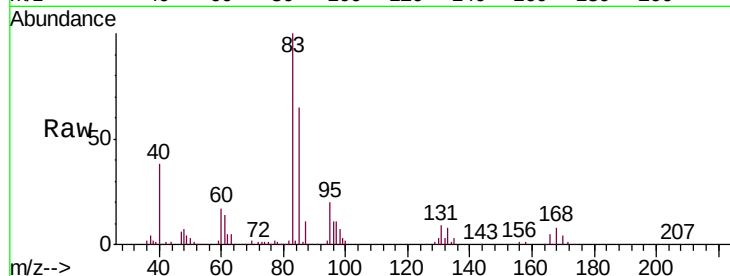
Tgt Ion: 83 Resp: 55107

Ion Ratio Lower Upper

83 100

131 11.0 5.3 16.1

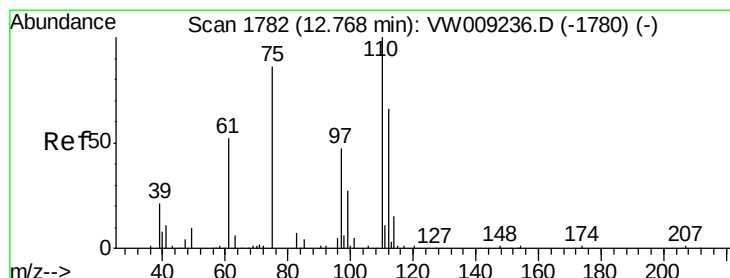
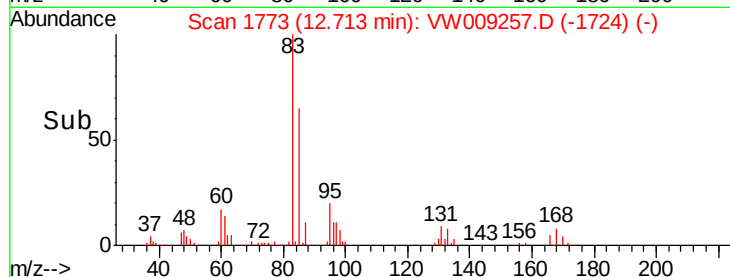
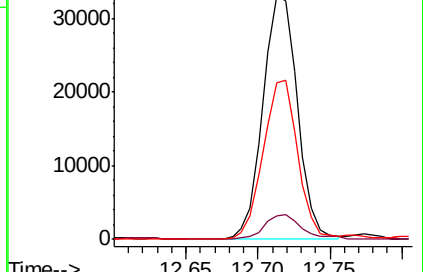
85 65.2 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.427 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009257.D

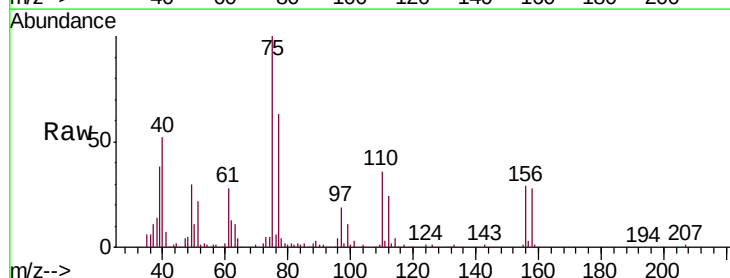
Acq: 20 Mar 2019 00:37

Tgt Ion: 75 Resp: 72139

Ion Ratio Lower Upper

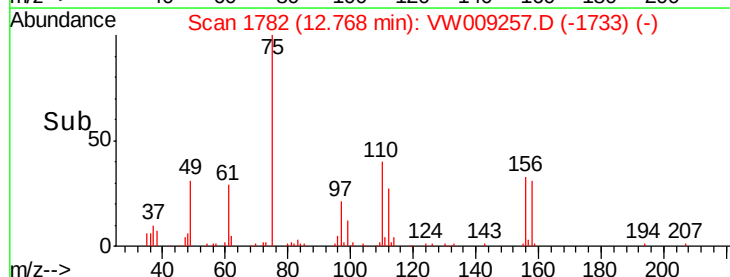
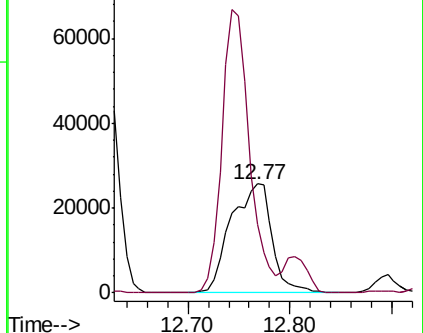
75 100

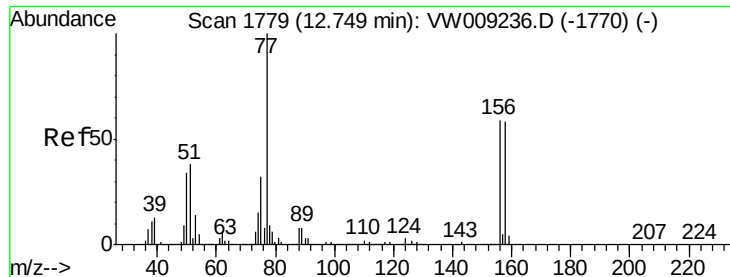
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.889 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

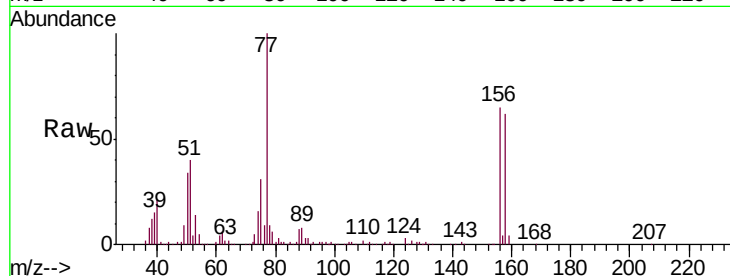
Tgt Ion:156 Resp: 68232

Ion Ratio Lower Upper

156 100

77 184.7 96.0 288.0

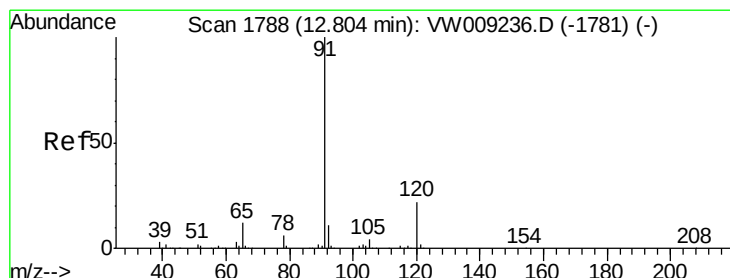
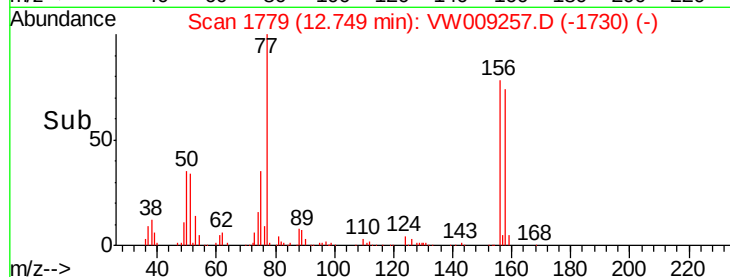
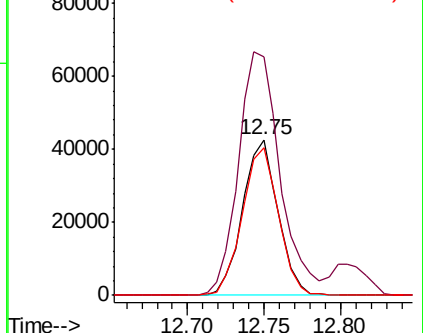
158 97.0 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.691 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009257.D

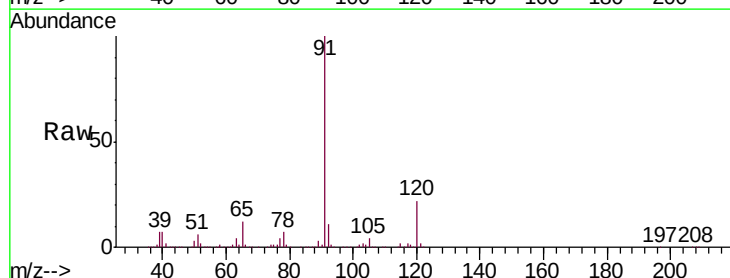
Acq: 20 Mar 2019 00:37

Tgt Ion: 91 Resp: 332467

Ion Ratio Lower Upper

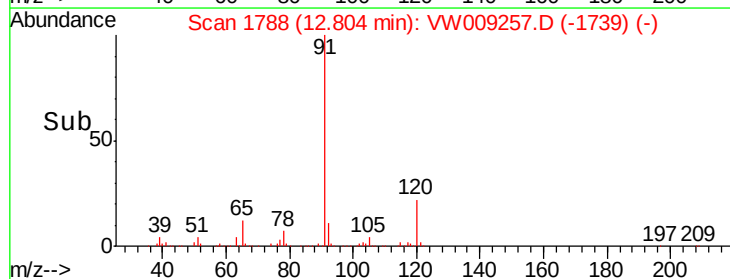
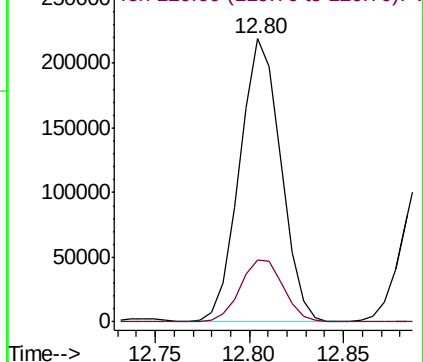
91 100

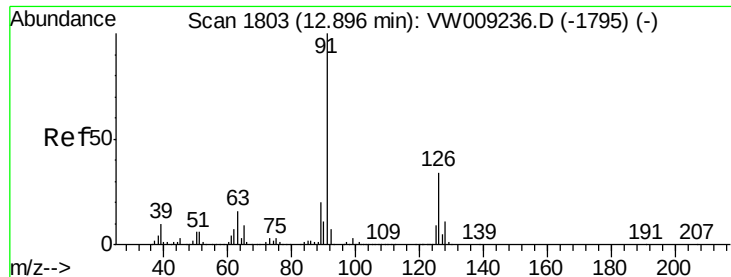
120 23.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.155 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

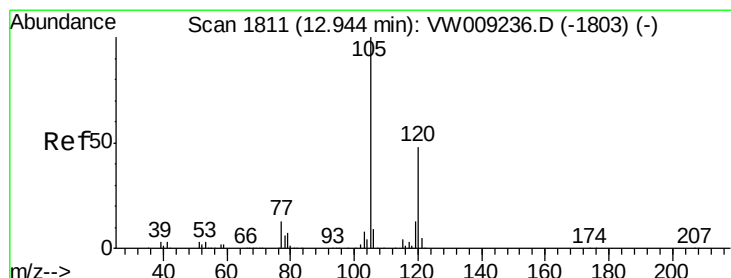
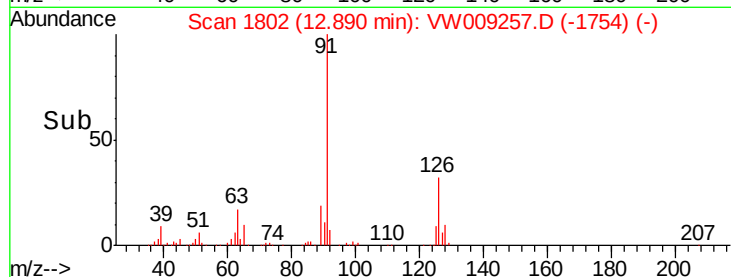
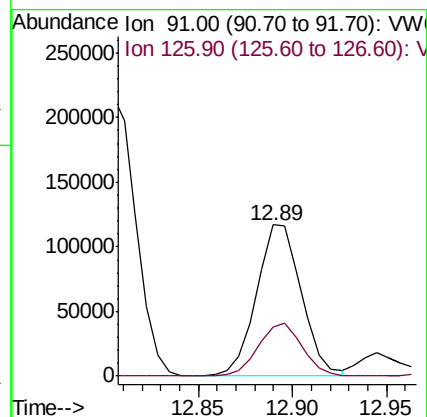
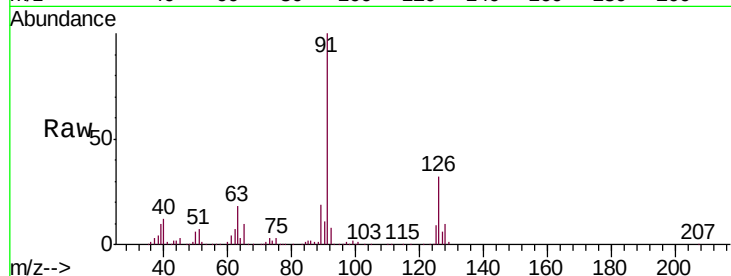
VW0319SBS02

Tgt Ion: 91 Resp: 193552

Ion Ratio Lower Upper

91 100

126 34.5 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 19.191 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009257.D

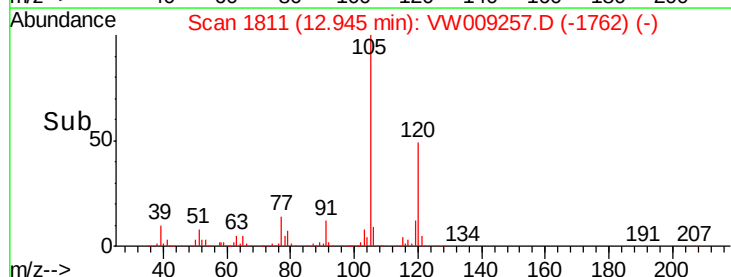
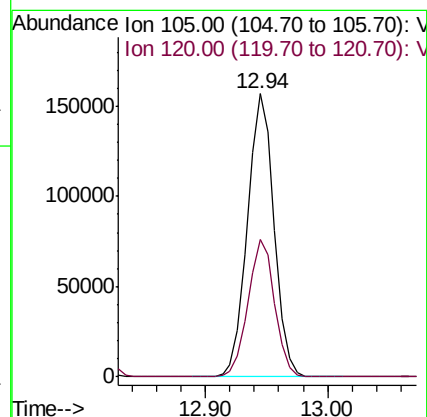
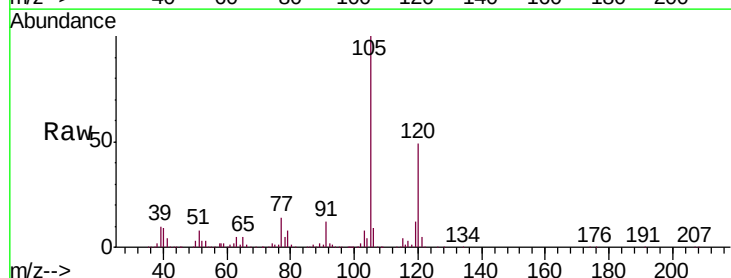
Acq: 20 Mar 2019 00:37

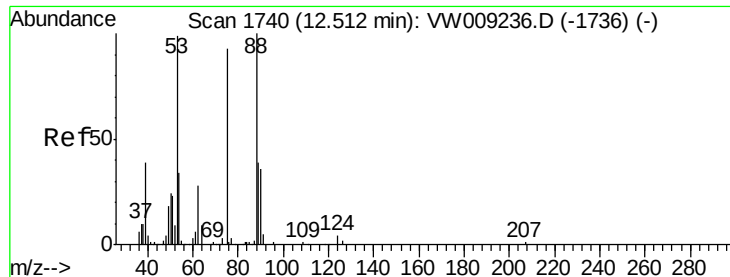
Tgt Ion: 105 Resp: 236361

Ion Ratio Lower Upper

105 100

120 48.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.930 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

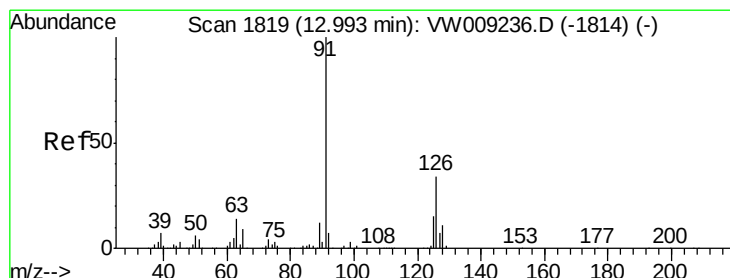
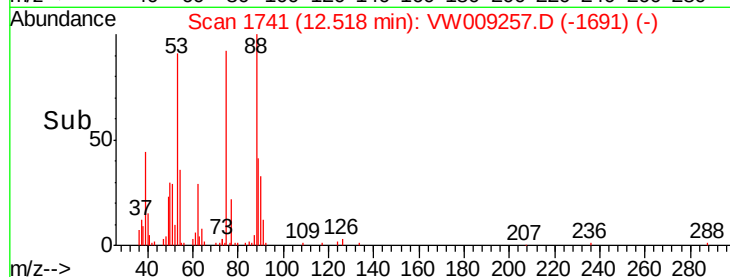
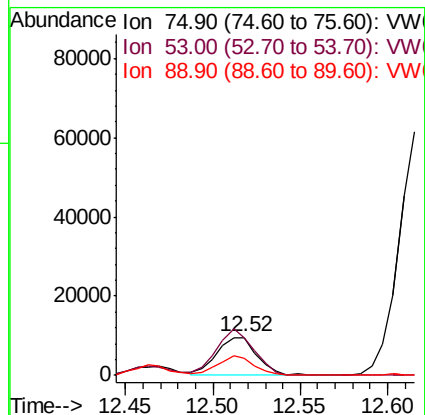
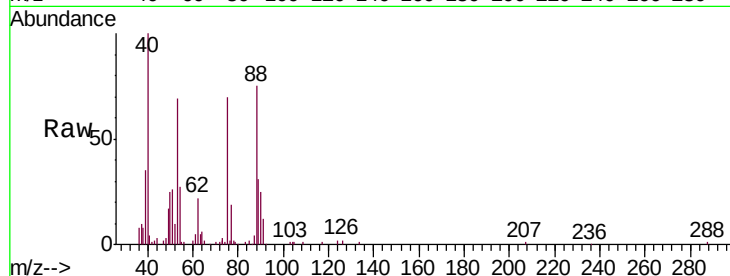
Tgt Ion: 75 Resp: 15709

Ion Ratio Lower Upper

75 100

53 111.4 86.7 130.1

89 44.9 36.4 54.6



#82

4-Chlorotoluene

Concen: 19.485 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW009257.D

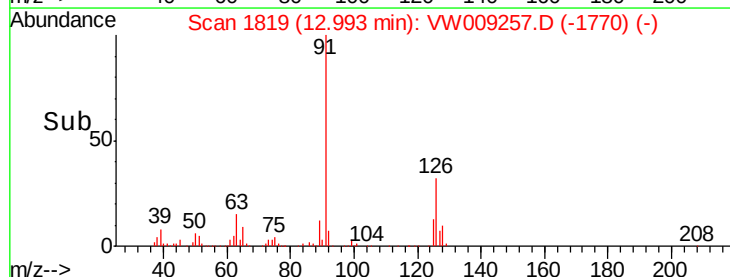
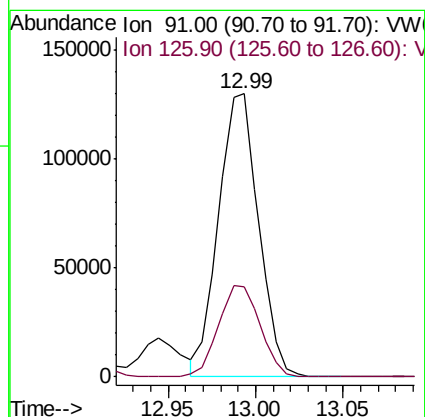
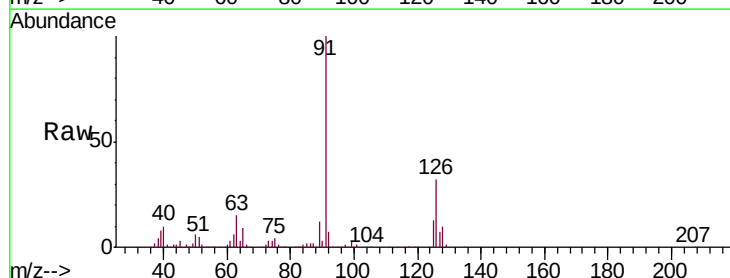
Acq: 20 Mar 2019 00:37

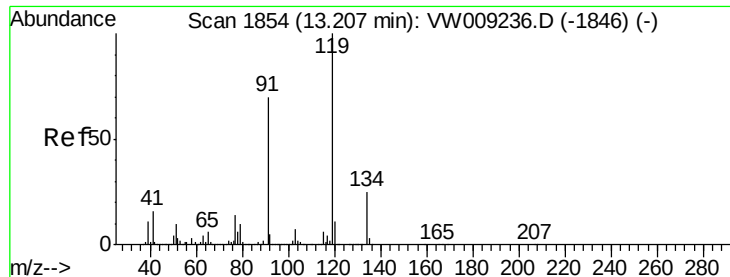
Tgt Ion: 91 Resp: 207423

Ion Ratio Lower Upper

91 100

126 33.6 16.9 50.6





#83

tert-Butylbenzene

Concen: 18.654 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

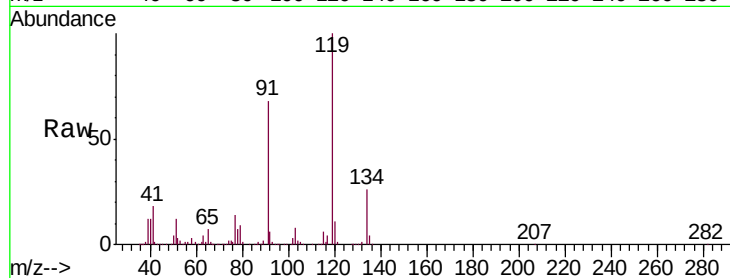
Tgt Ion:119 Resp: 196343

Ion Ratio Lower Upper

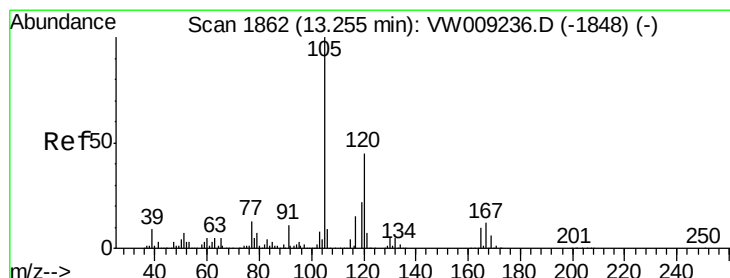
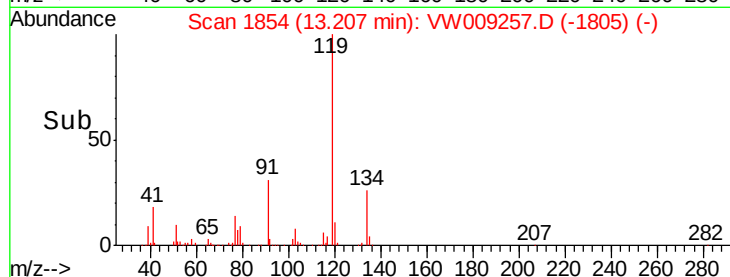
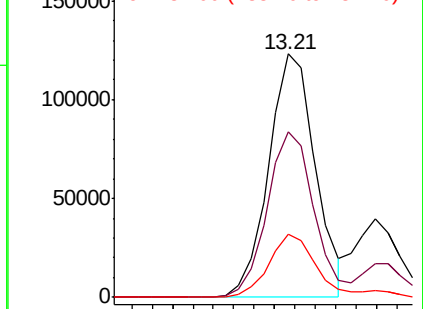
119 100

91 68.6 34.4 103.2

134 27.8 12.7 38.1



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



#84

1,2,4-Trimethylbenzene

Concen: 19.374 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW009257.D

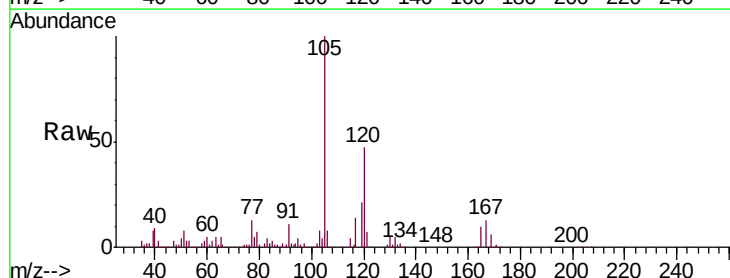
Acq: 20 Mar 2019 00:37

Tgt Ion:105 Resp: 244625

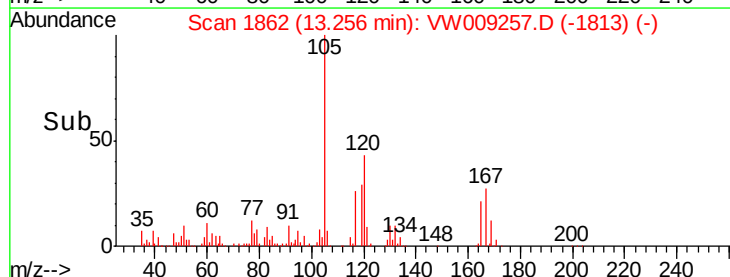
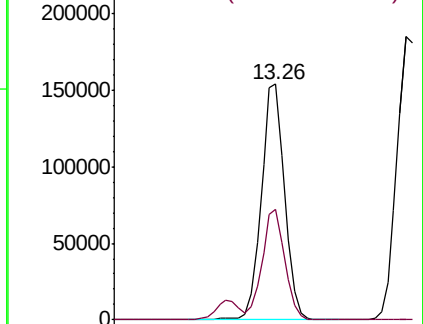
Ion Ratio Lower Upper

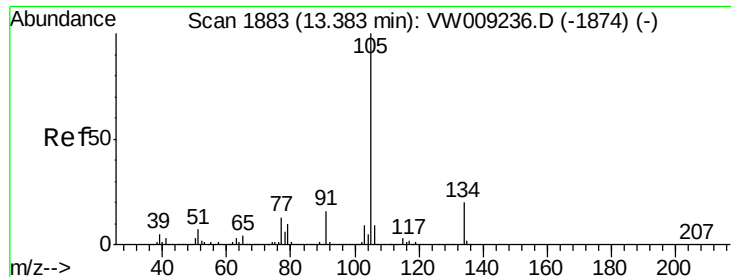
105 100

120 45.6 22.8 68.3



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

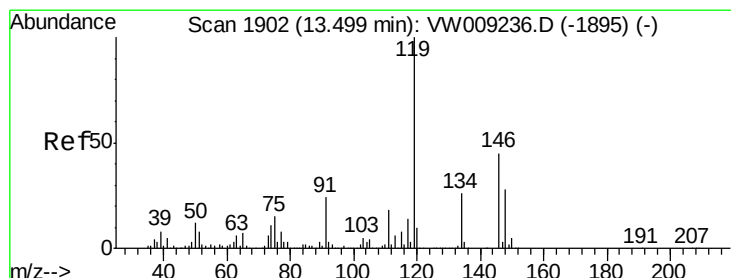
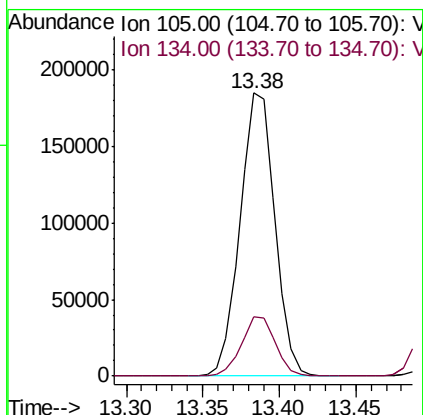
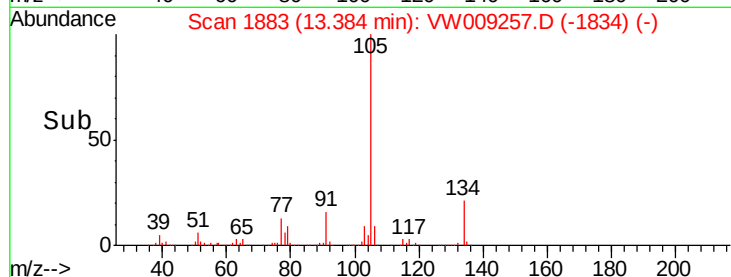
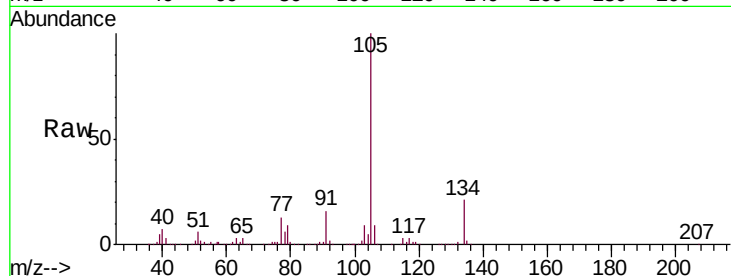




#85
 sec-Butylbenzene
 Concen: 18.749 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

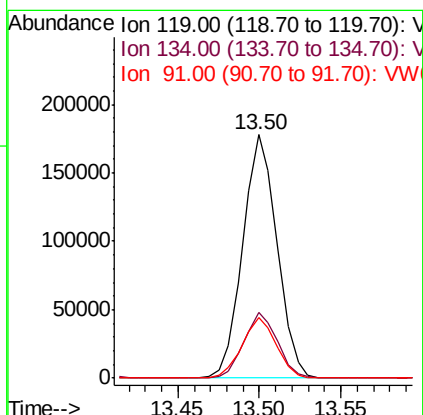
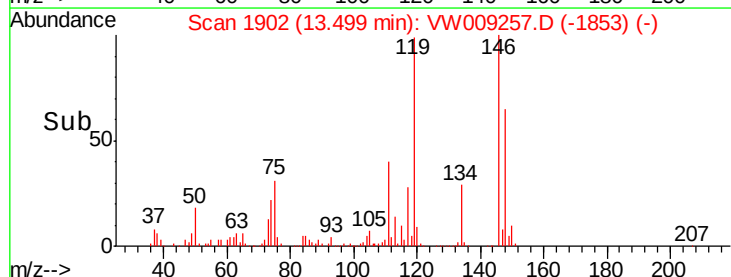
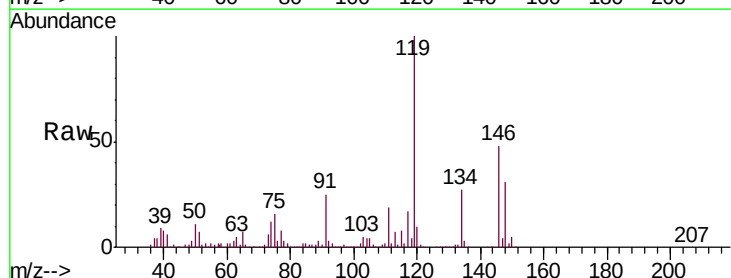
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

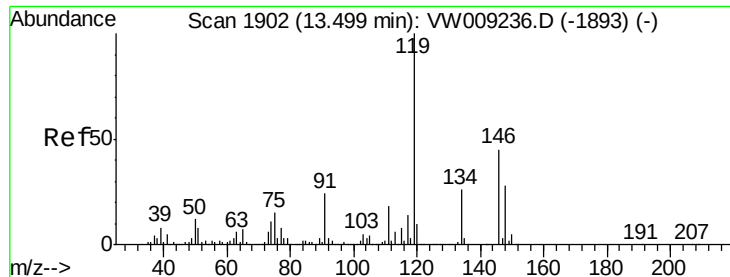
Tgt Ion:105 Resp: 291606
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 18.777 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Tgt Ion:119 Resp: 260055
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.1 39.3
 91 25.0 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 19.374 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

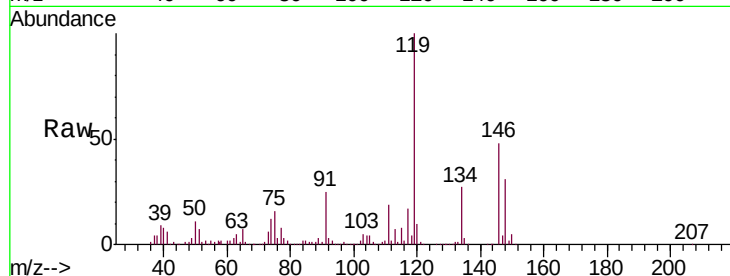
Tgt Ion:146 Resp: 137535

Ion Ratio Lower Upper

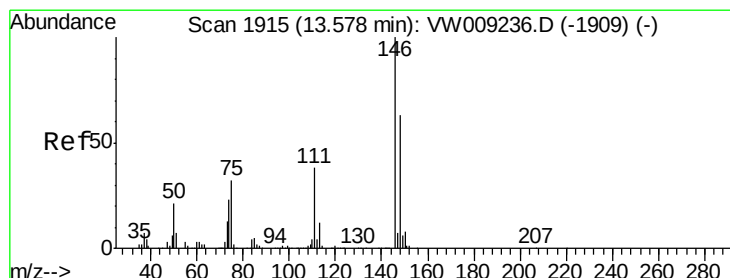
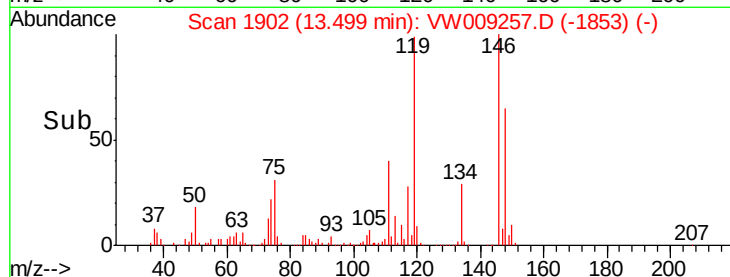
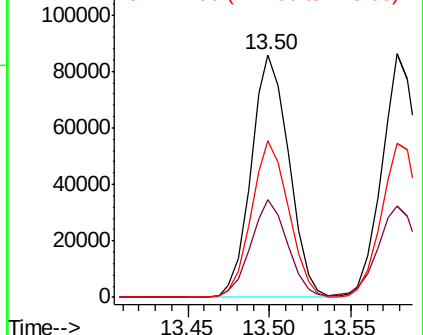
146 100

111 39.4 20.1 60.2

148 63.9 31.4 94.3



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



#88

1,4-Dichlorobenzene

Concen: 19.124 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

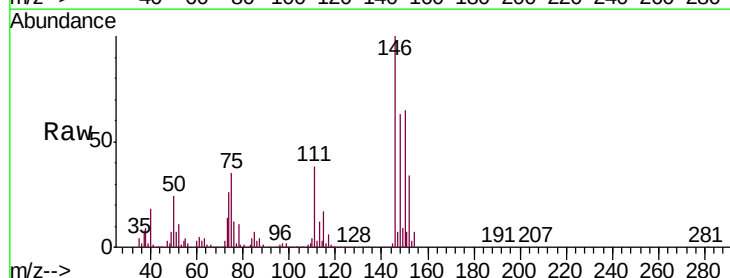
Tgt Ion:146 Resp: 135176

Ion Ratio Lower Upper

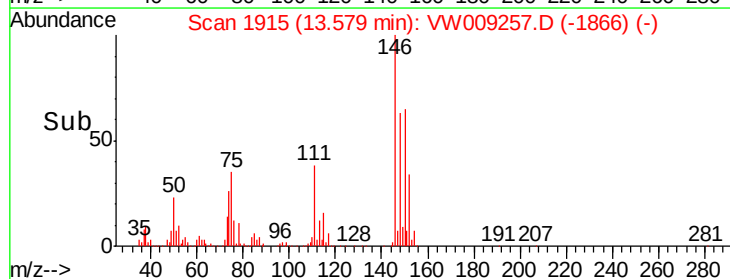
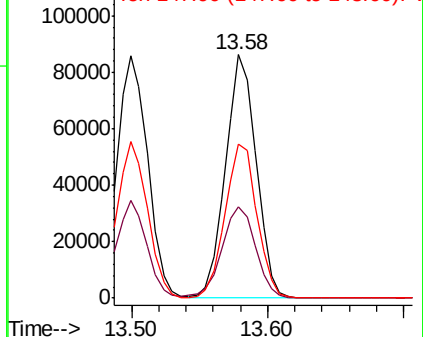
146 100

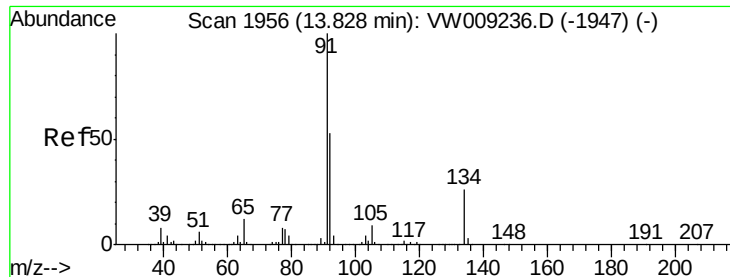
111 40.9 19.9 59.6

148 65.8 32.2 96.6



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: 18.160 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

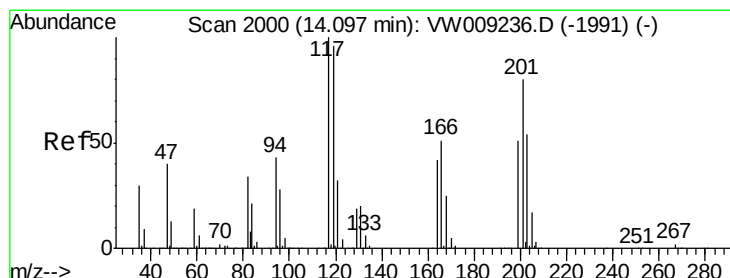
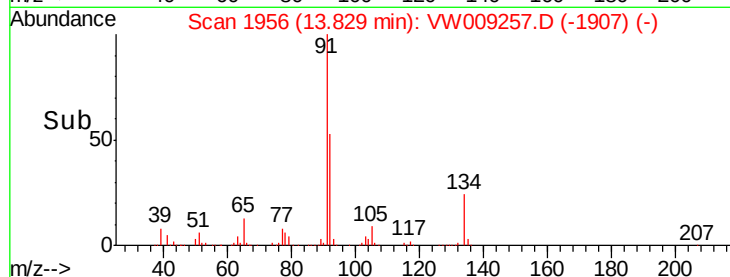
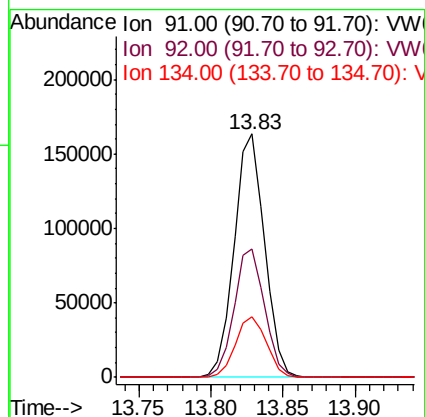
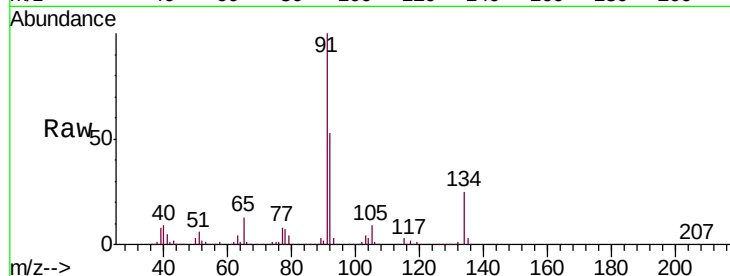
Tgt Ion: 91 Resp: 241437

Ion Ratio Lower Upper

91 100

92 53.0 26.4 79.0

134 25.3 12.9 38.6



#90

Hexachloroethane

Concen: 18.969 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009257.D

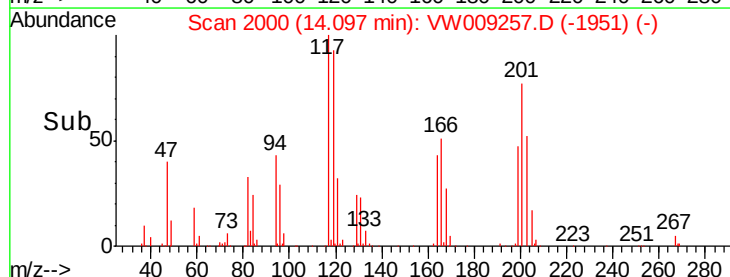
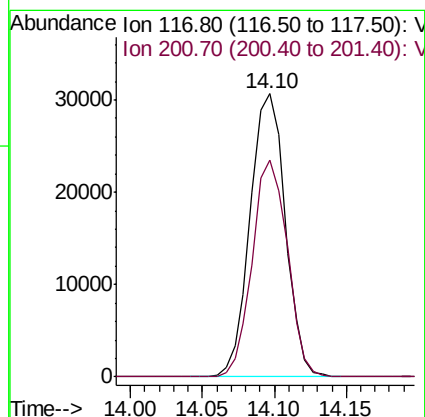
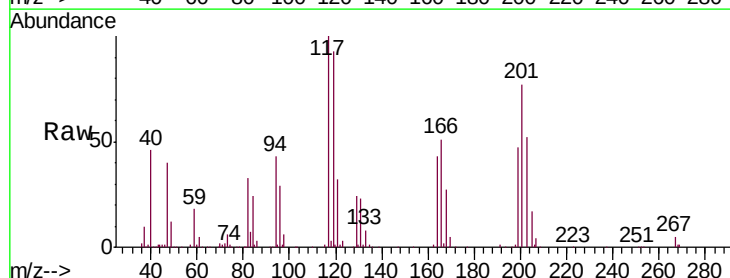
Acq: 20 Mar 2019 00:37

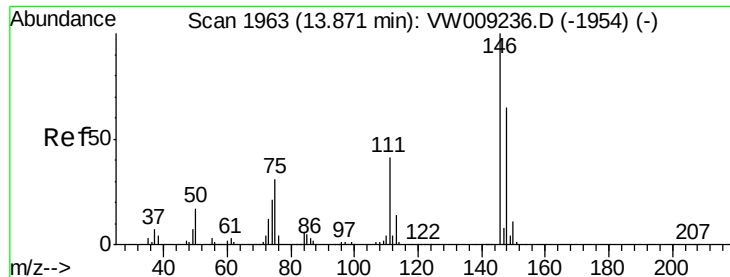
Tgt Ion: 117 Resp: 51798

Ion Ratio Lower Upper

117 100

201 76.5 38.2 114.6

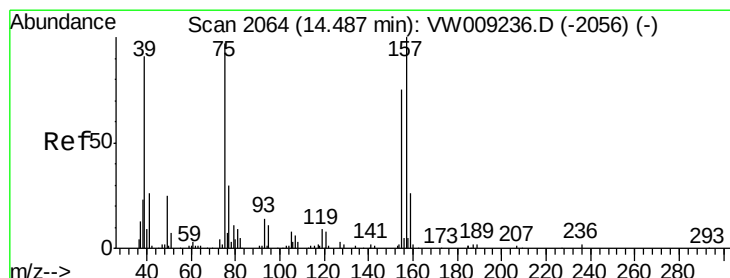
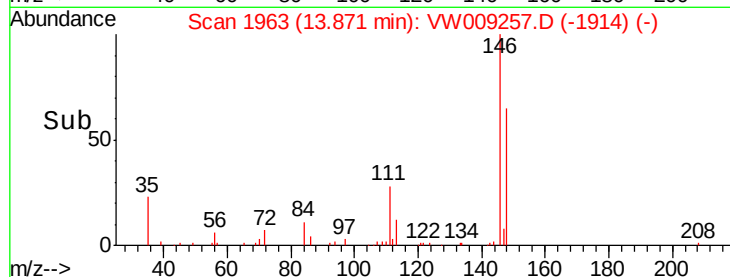
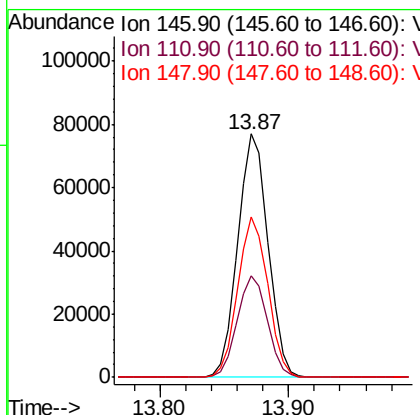
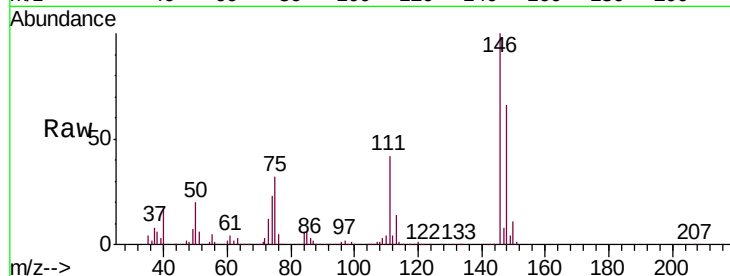




#91
 1,2-Dichlorobenzene
 Concen: 19.685 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

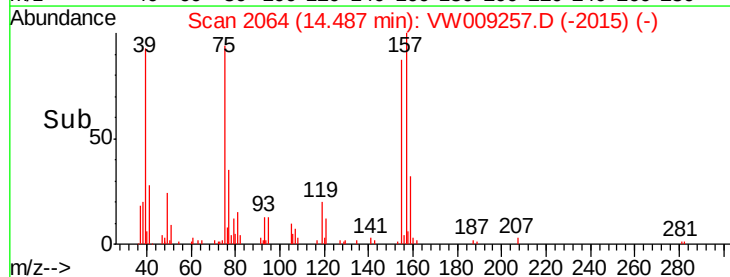
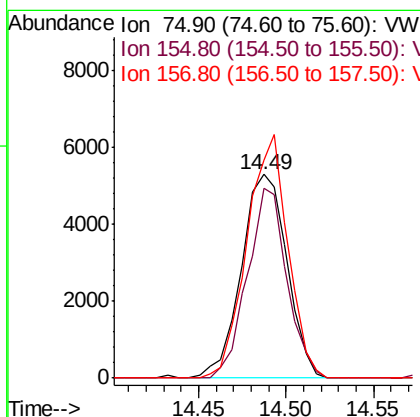
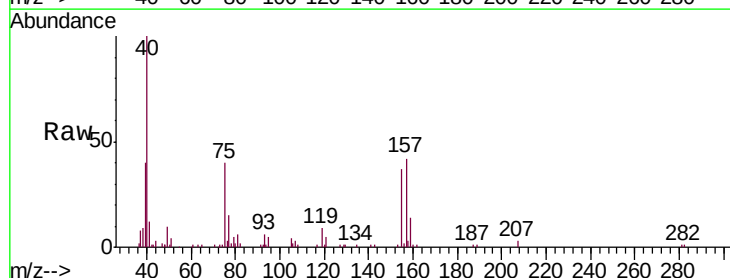
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

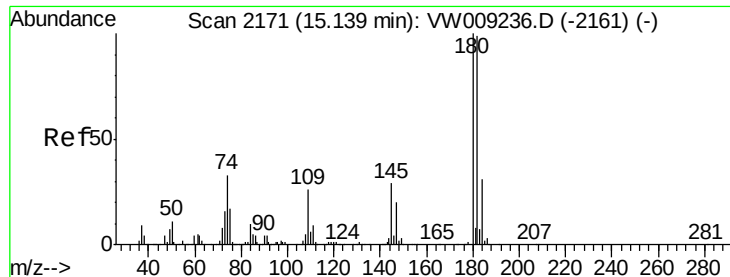
Tgt Ion:146 Resp: 125313
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.4 61.2
 148 65.3 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.876 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Tgt Ion: 75 Resp: 9642
 Ion Ratio Lower Upper
 75 100
 155 80.9 39.3 117.8
 157 107.2 49.5 148.5

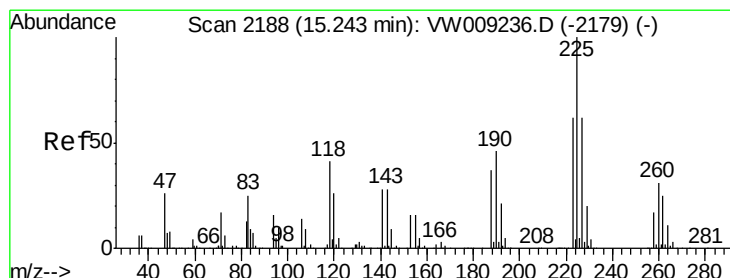
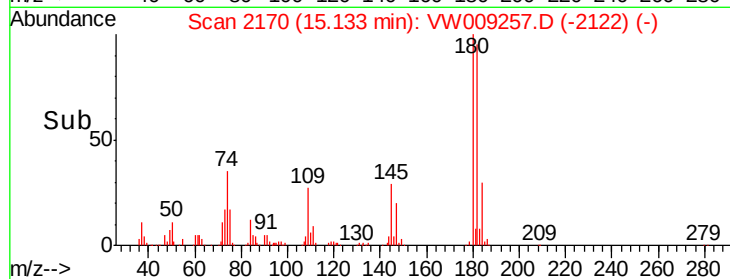
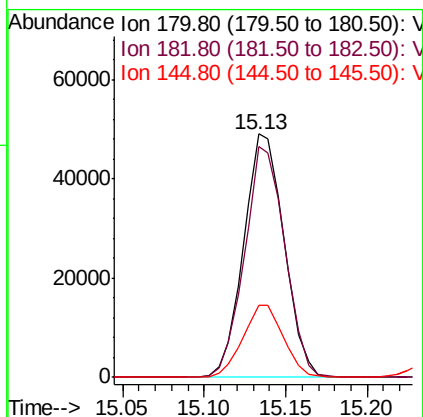
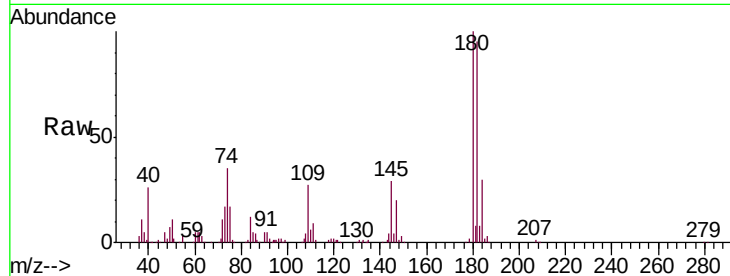




#93
 1,2,4-Trichlorobenzene
 Concen: 19.753 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

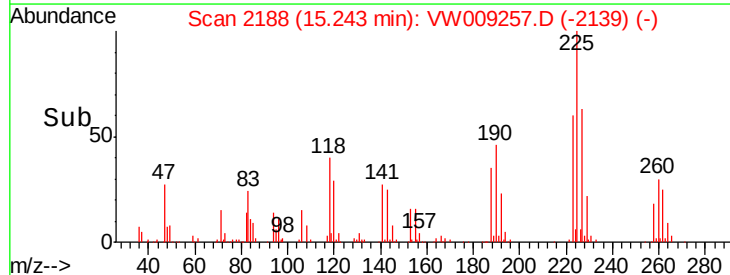
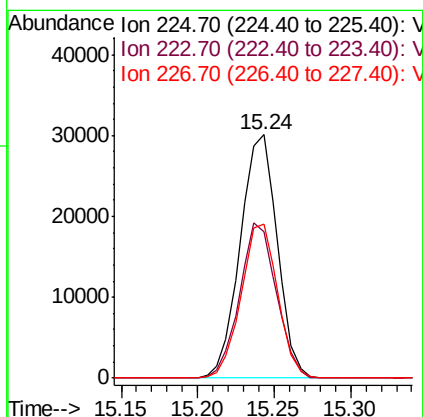
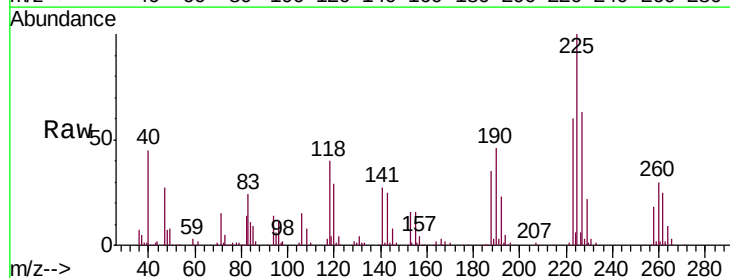
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

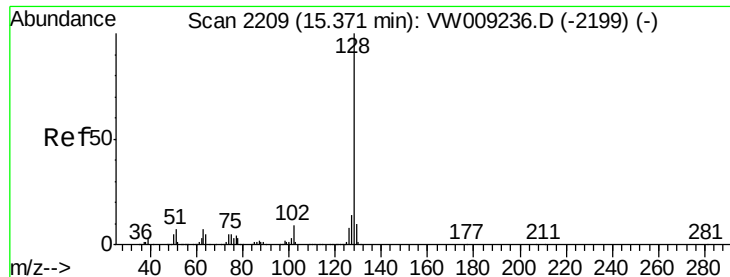
Tgt Ion:180 Resp: 84446
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.9 143.7
 145 30.0 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 18.648 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Tgt Ion:225 Resp: 50707
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.4 94.3
 227 62.6 32.1 96.5

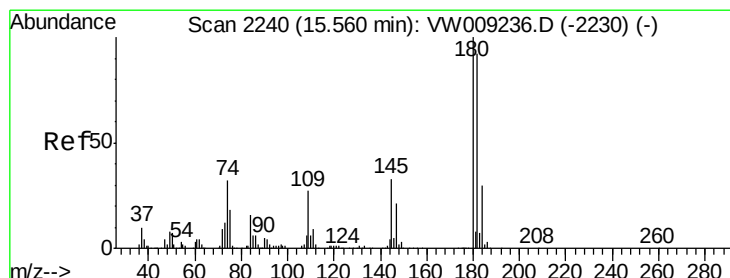
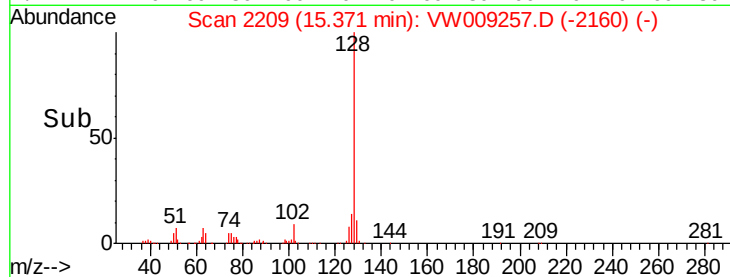
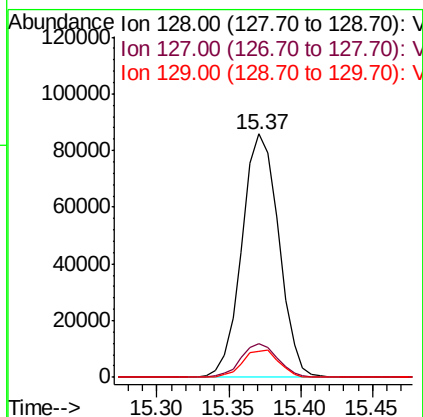
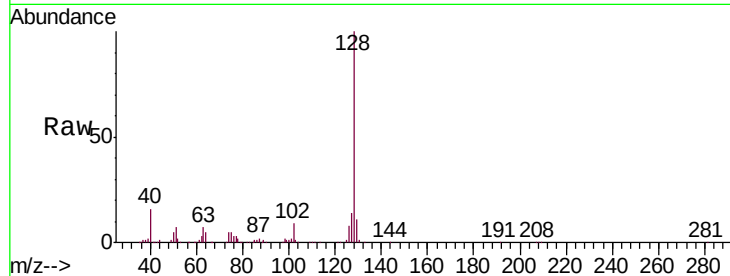




#95
Naphthalene
Concen: 20.606 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tgt Ion:128 Resp: 152630
Ion Ratio Lower Upper
128 100
127 13.8 10.8 16.2
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.942 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion:180 Resp: 76103
Ion Ratio Lower Upper
180 100
182 95.2 47.3 141.9
145 31.9 16.0 48.0

