

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030819\
 Data File : VW009056.D
 Acq On : 08 Mar 2019 15:53
 Operator : SY/VA
 Sample : VW0308SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0308SBS01

Quant Time: Mar 09 01:19:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	271134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	385846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	211477	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134563	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	7.88	113	115530	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.32	98	470622	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.62	95	179607	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	62252	22.782	ug/l	98
3) Chloromethane	2.21	50	76502	22.039	ug/l	93
4) Vinyl Chloride	2.36	62	76141	21.614	ug/l	99
5) Bromomethane	2.76	94	70053	23.558	ug/l	99
6) Chloroethane	2.91	64	52510	20.938	ug/l	98
7) Trichlorofluoromethane	3.26	101	99320	21.897	ug/l	98
8) Diethyl Ether	3.68	74	28992	20.904	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60204	21.312	ug/l	98
10) Methyl Iodide	4.27	142	57075	20.626	ug/l	100
11) Tert butyl alcohol	5.18	59	9265	44.322	ug/l #	90
12) 1,1-Dichloroethene	4.03	96	52639	21.602	ug/l	94
13) Acrolein	3.90	56	21651	94.124	ug/l	96
14) Allyl chloride	4.67	41	86163	20.046	ug/l	98
15) Acrylonitrile	5.37	53	63242	104.480	ug/l	98
16) Acetone	4.14	43	67866	110.250	ug/l	98
17) Carbon Disulfide	4.37	76	173507	21.163	ug/l	98
18) Methyl Acetate	4.68	43	27447	19.390	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	133502	20.711	ug/l	98
20) Methylene Chloride	4.92	84	66022	19.489	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	58473	20.782	ug/l	96
22) Diisopropyl ether	6.31	45	178636	20.913	ug/l	93
23) Vinyl Acetate	6.26	43	560137	105.377	ug/l	100
24) 1,1-Dichloroethane	6.21	63	103587	20.908	ug/l	97
25) 2-Butanone	7.17	43	89012	104.631	ug/l	97
26) 2,2-Dichloropropane	7.17	77	96267	21.376	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	63082	20.875	ug/l	99
28) Bromochloromethane	7.51	49	43877	21.291	ug/l	95
29) Tetrahydrofuran	7.54	42	56135	104.709	ug/l	99
30) Chloroform	7.68	83	105089	20.602	ug/l	100
31) Cyclohexane	7.95	56	107106	21.054	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	97963	20.810	ug/l	99
36) 1,1-Dichloropropene	8.08	75	86639	21.475	ug/l	100
37) Ethyl Acetate	7.26	43	39493	20.840	ug/l	99
38) Carbon Tetrachloride	8.07	117	88958	21.351	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99943	20.798	ug/l	97
40) Benzene	8.32	78	225118	20.903	ug/l	99
41) Methacrylonitrile	7.49	41	19951	18.959	ug/l	95
42) 1,2-Dichloroethane	8.40	62	72865	20.957	ug/l	99
43) Isopropyl Acetate	8.42	43	75069	21.269	ug/l	98
44) Trichloroethene	9.09	130	64267	21.291	ug/l	98
45) 1,2-Dichloropropane	9.37	63	57328	21.253	ug/l	94
46) Dibromomethane	9.46	93	31117	21.123	ug/l	97
47) Bromodichloromethane	9.64	83	78175	20.964	ug/l	98
48) Methyl methacrylate	9.43	41	32688	19.890	ug/l	89
49) 1,4-Dioxane	9.46	88	8601	407.727	ug/l #	80
51) 4-Methyl-2-Pentanone	10.21	43	187026	104.379	ug/l	99
52) Toluene	10.39	92	148699	20.359	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	75787	20.549	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	88581	20.900	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	42258	21.164	ug/l	98
56) Ethyl methacrylate	10.65	69	49548	19.995	ug/l	99
57) 1,3-Dichloropropane	10.93	76	74943	21.188	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	134010	104.318	ug/l	98
59) 2-Hexanone	10.97	43	134078	106.429	ug/l	100
60) Dibromochloromethane	11.13	129	51242	20.738	ug/l	100
61) 1,2-Dibromoethane	11.23	107	40498	20.690	ug/l	98
64) Tetrachloroethene	10.86	164	55882	20.964	ug/l	96
65) Chlorobenzene	11.66	112	164125	20.400	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	56018	20.853	ug/l	99
67) Ethyl Benzene	11.73	91	300097	20.648	ug/l	98
68) m/p-Xylenes	11.84	106	237552	41.408	ug/l	100
69) o-Xylene	12.16	106	109388	20.493	ug/l	97
70) Styrene	12.18	104	174334	20.186	ug/l	99
71) Bromoform	12.35	173	29695	20.588	ug/l #	97
73) Isopropylbenzene	12.46	105	300931	19.871	ug/l	100
74) N-amyl acetate	12.27	43	71512	19.947	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49980	20.922	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	68774	41.161	ug/l #	1
77) Bromobenzene	12.75	156	69816	20.177	ug/l	96
78) n-propylbenzene	12.80	91	374793	20.092	ug/l	100
79) 2-Chlorotoluene	12.90	91	208664	19.910	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	261599	20.040	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14584	19.523	ug/l	99
82) 4-Chlorotoluene	12.99	91	224602	20.104	ug/l	99
83) tert-Butylbenzene	13.21	119	220758	20.051	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	261296	19.787	ug/l	100
85) sec-Butylbenzene	13.38	105	326124	19.993	ug/l	98
86) p-Isopropyltoluene	13.50	119	290314	19.895	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	146865	20.196	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	146744	20.419	ug/l	100
89) n-Butylbenzene	13.83	91	274841	19.812	ug/l	99
90) Hexachloroethane	14.10	117	49455	19.651	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	129587	20.198	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9070	21.318	ug/l	96

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Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

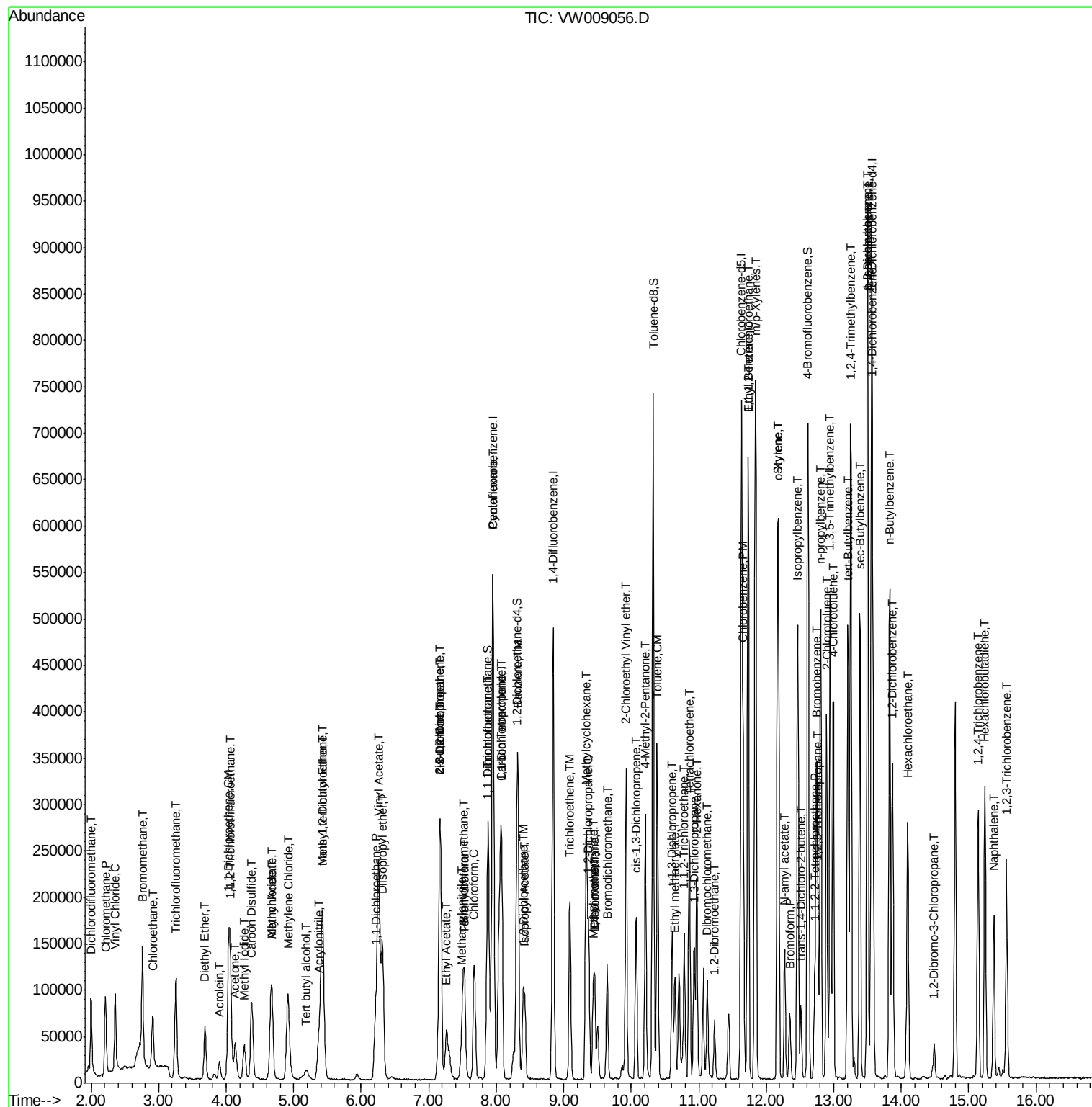
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	88320	20.383	ug/l	99
94) Hexachlorobutadiene	15.24	225	56242	20.723	ug/l	99
95) Naphthalene	15.37	128	141228	19.911	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	76610	20.107	ug/l	100

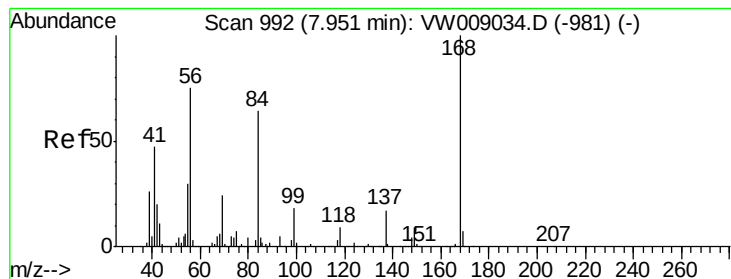
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

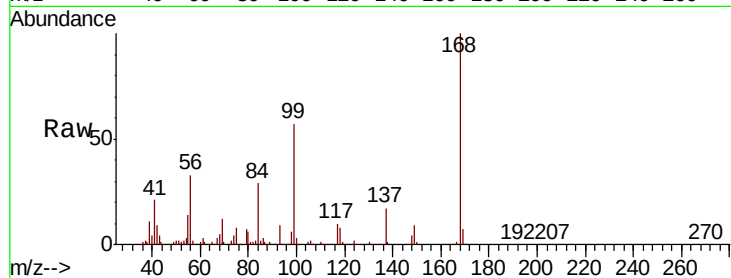
VW0308SBSD01

Tot Ion:168 Resp: 271134

Ion Ratio Lower Upper

168 100

99 56.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

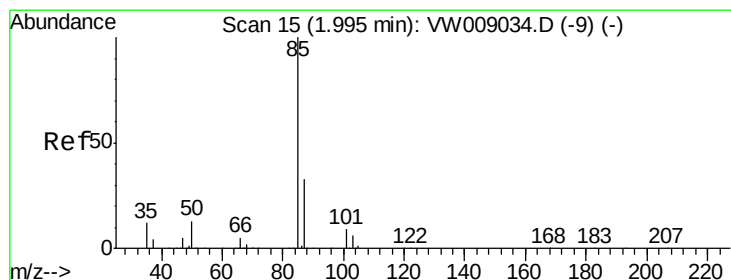
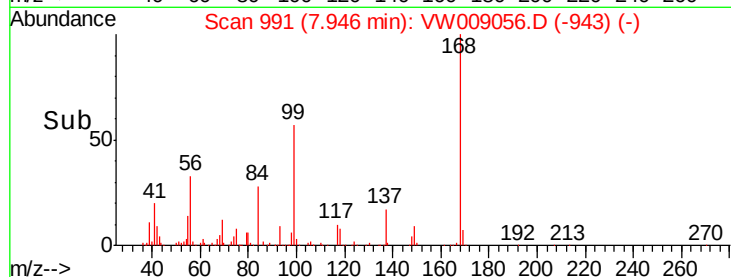
100000

50000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: 22.782 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009056.D

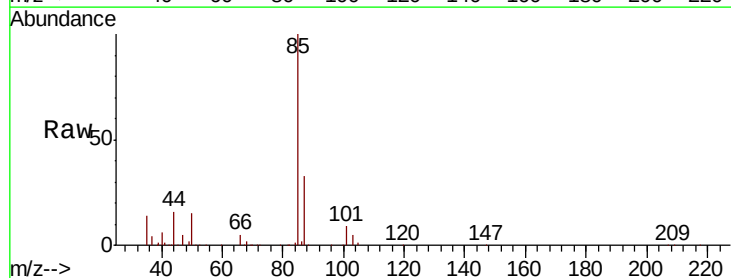
Acq: 08 Mar 2019 15:53

Tgt Ion: 85 Resp: 62252

Ion Ratio Lower Upper

85 100

87 33.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

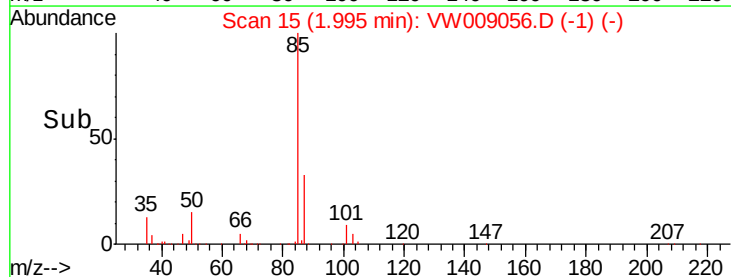
20000

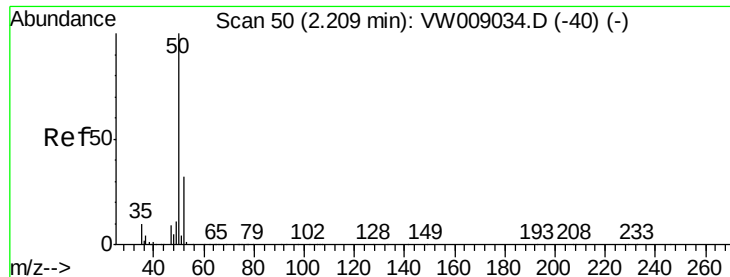
10000

0

Time-->

1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 22.039 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

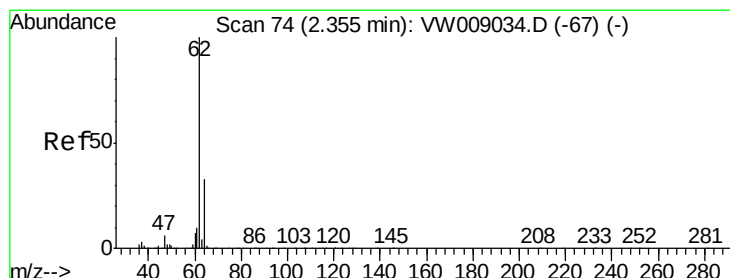
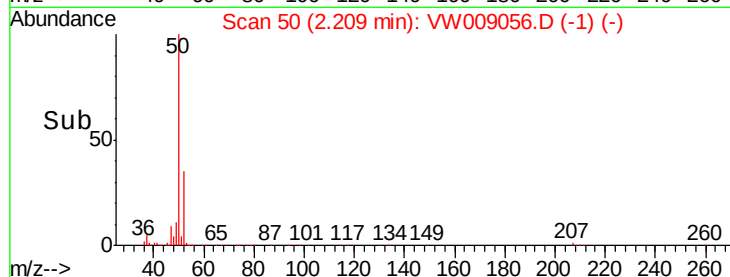
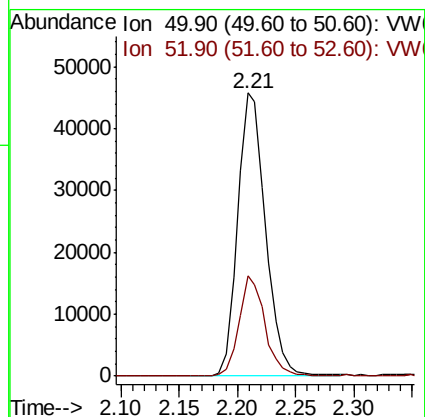
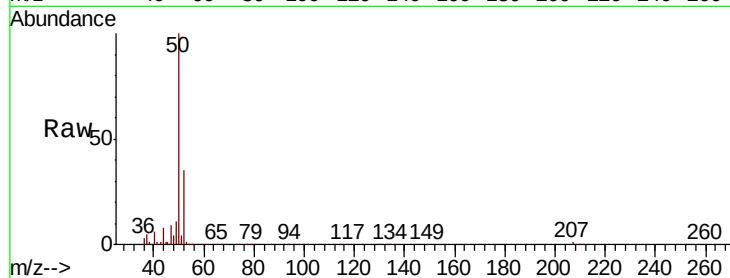
VW0308SBSD01

Tot Ion: 50 Resp: 76502

Ion Ratio Lower Upper

50 100

52 35.4 25.4 38.2



#4

Vinyl Chloride

Concen: 21.614 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009056.D

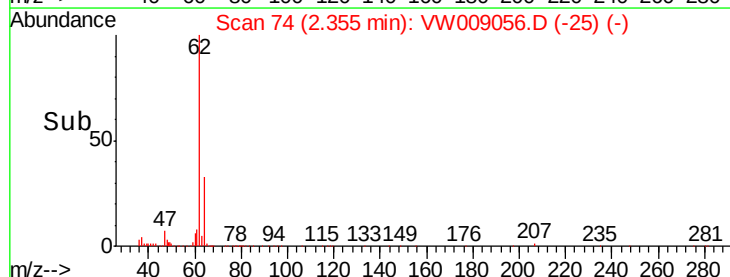
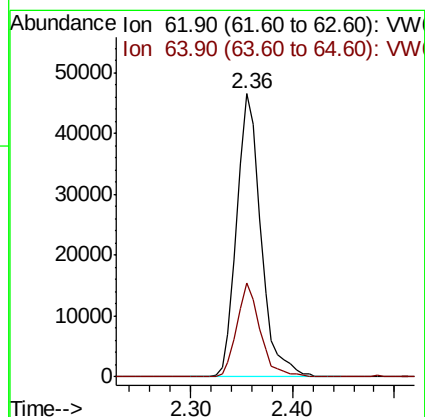
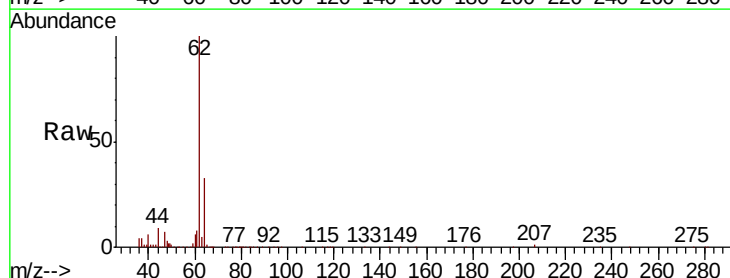
Acq: 08 Mar 2019 15:53

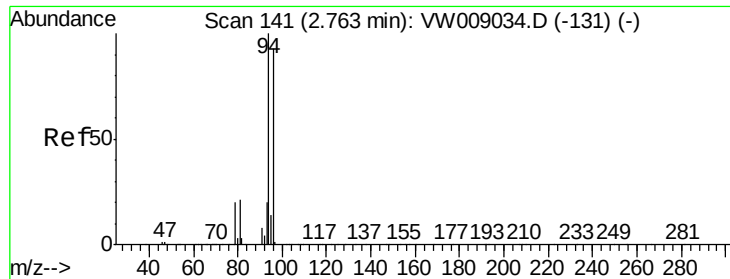
Tgt Ion: 62 Resp: 76141

Ion Ratio Lower Upper

62 100

64 33.2 26.0 39.0





#5

Bromomethane

Concen: 23.558 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

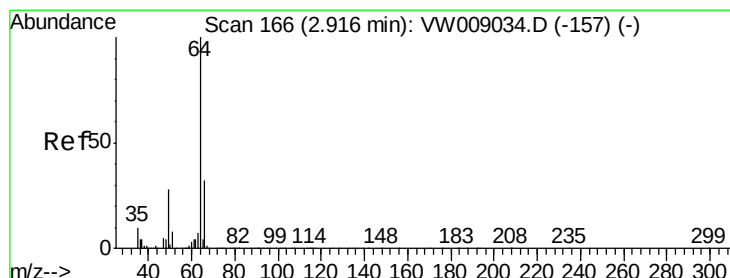
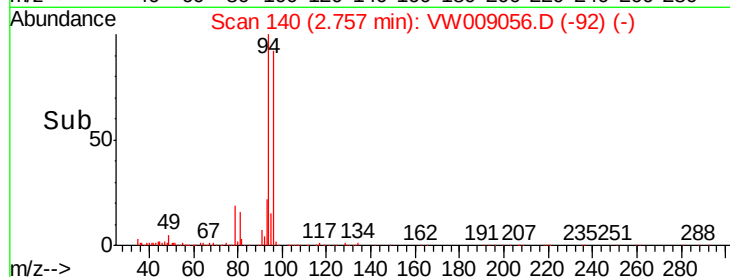
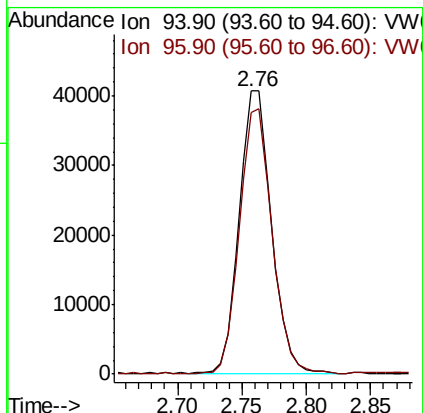
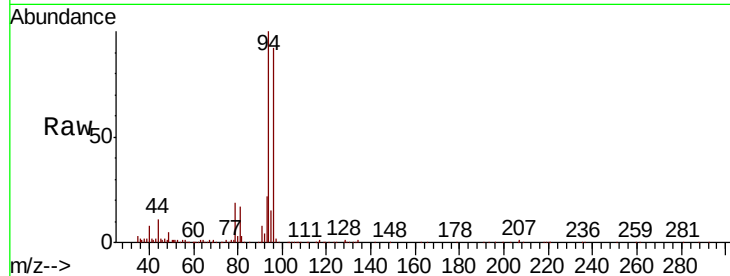
VW0308SBSD01

Tot Ion: 94 Resp: 70053

Ion Ratio Lower Upper

94 100

96 92.3 74.4 111.6



#6

Chloroethane

Concen: 20.938 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009056.D

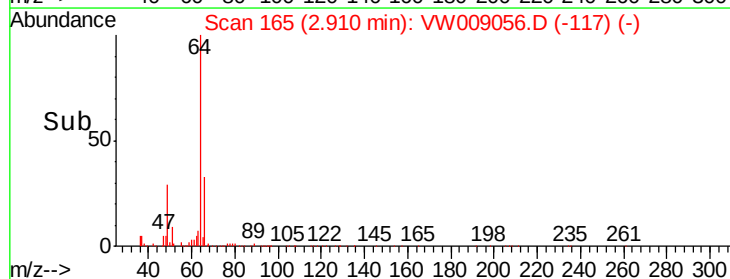
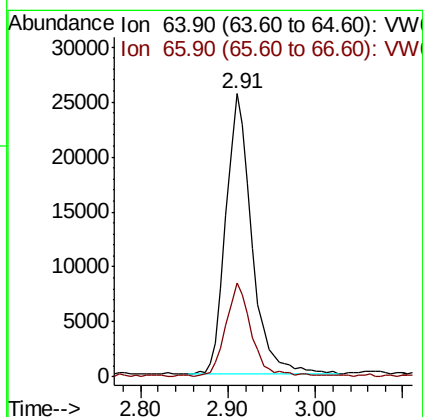
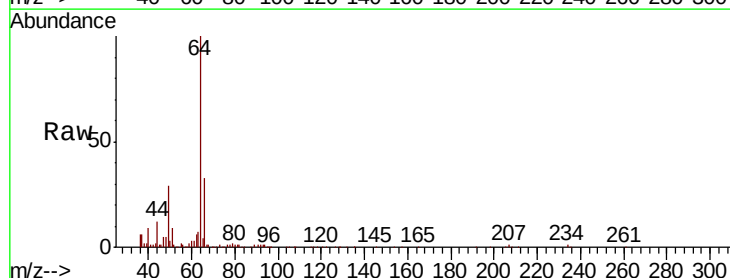
Acq: 08 Mar 2019 15:53

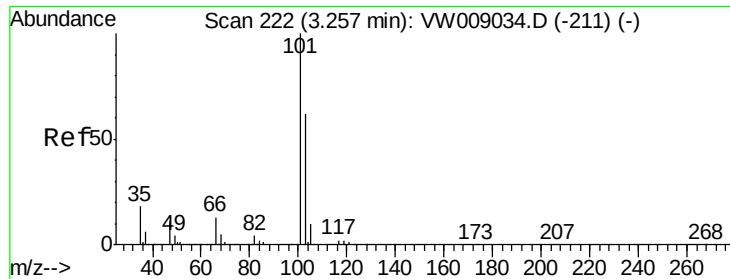
Tgt Ion: 64 Resp: 52510

Ion Ratio Lower Upper

64 100

66 33.1 25.5 38.3



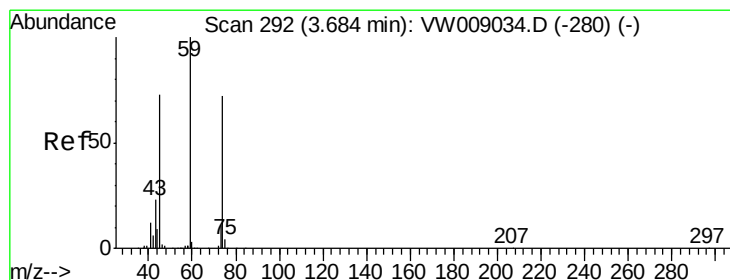
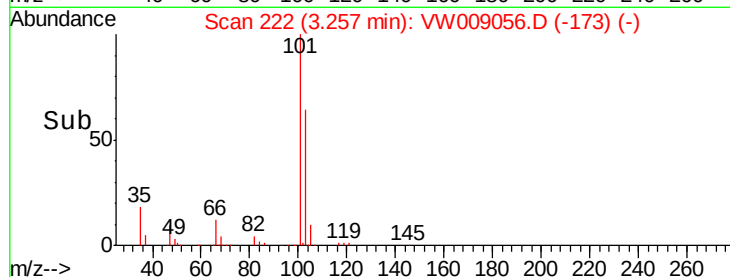
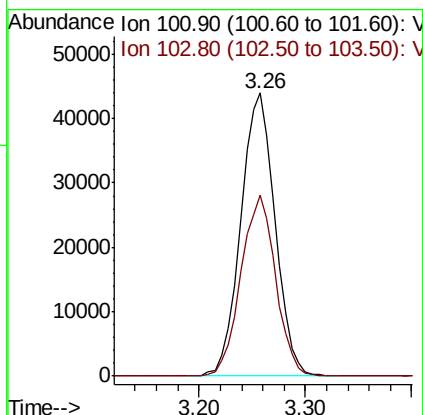
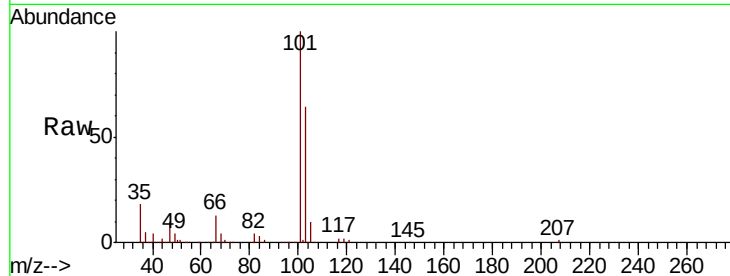


#7

Trichlorofluoromethane
 Concen: 21.897 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0308SBS01

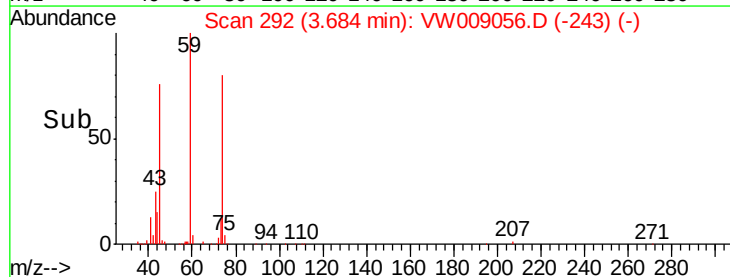
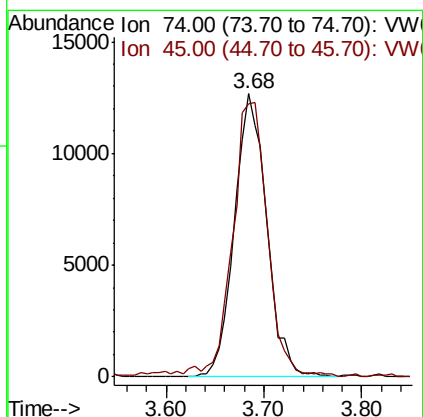
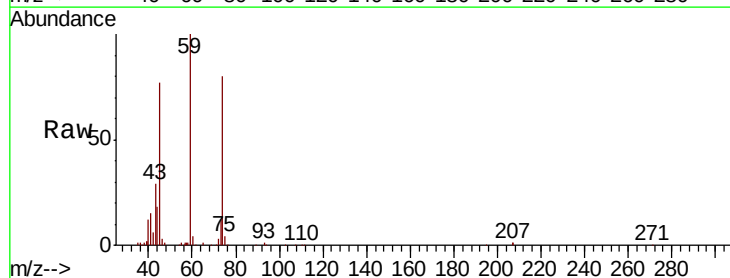
Tot Ion:101 Resp: 99320
 Ion Ratio Lower Upper
 101 100
 103 63.9 49.9 74.9

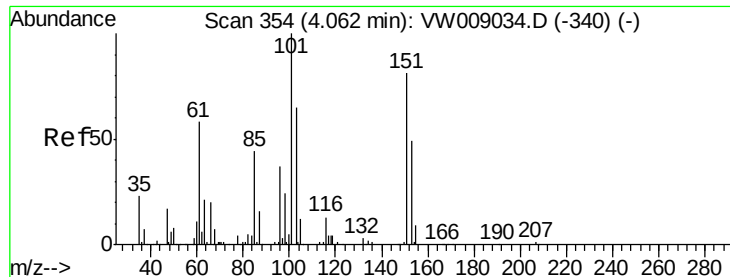


#8

Diethyl Ether
 Concen: 20.904 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

Tgt Ion: 74 Resp: 28992
 Ion Ratio Lower Upper
 74 100
 45 99.7 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.312 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

VW0308SBSD01

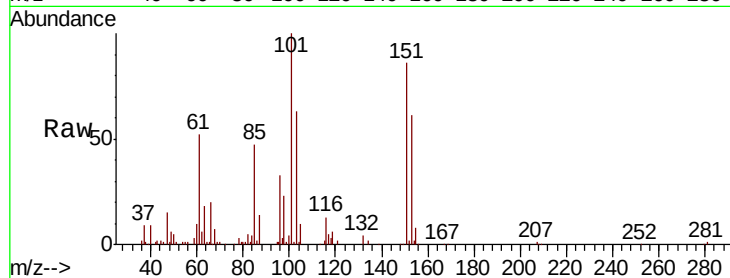
Tot Ion:101 Resp: 60204

Ion Ratio Lower Upper

101 100

85 46.4 36.2 54.4

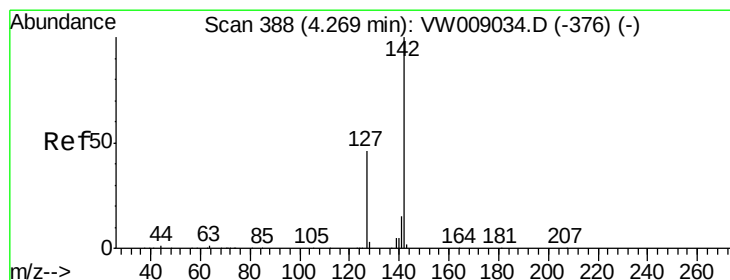
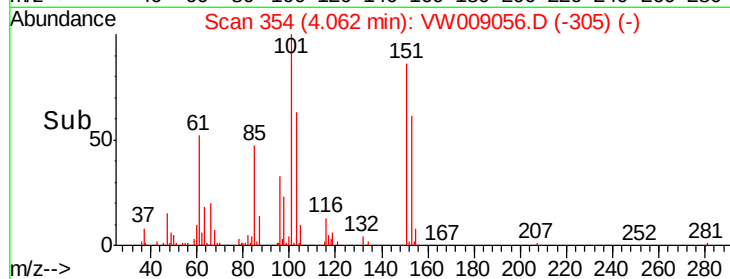
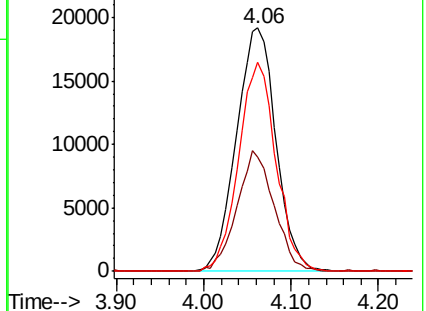
151 81.4 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.626 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

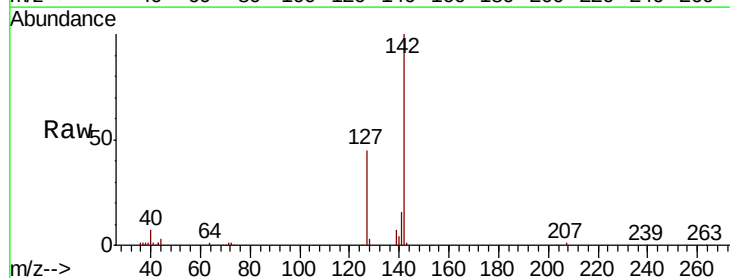
Tgt Ion:142 Resp: 57075

Ion Ratio Lower Upper

142 100

127 44.9 35.8 53.6

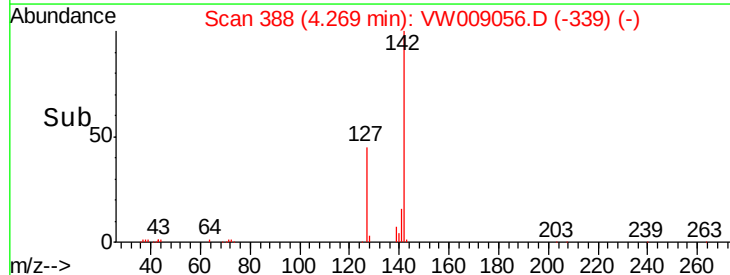
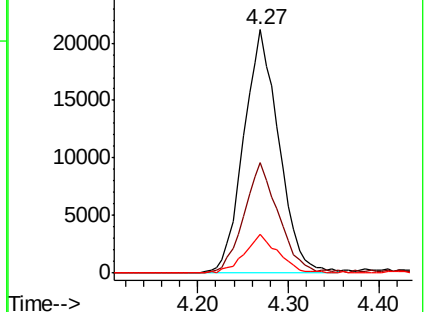
141 15.3 11.8 17.8

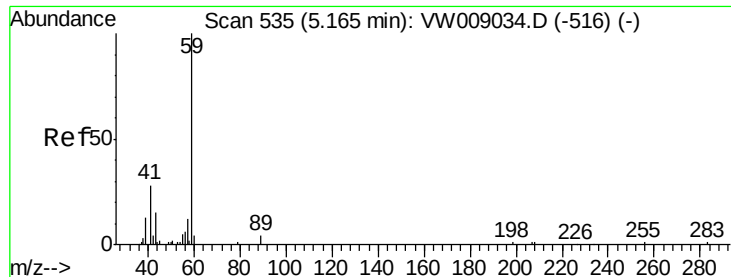


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



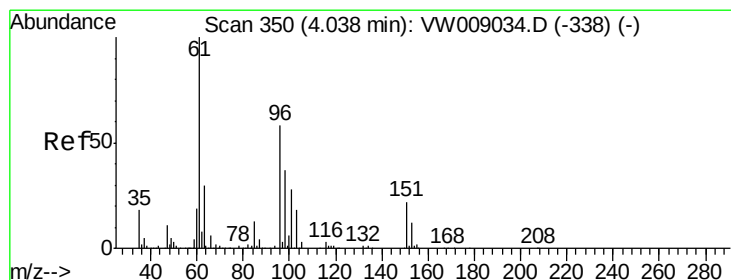
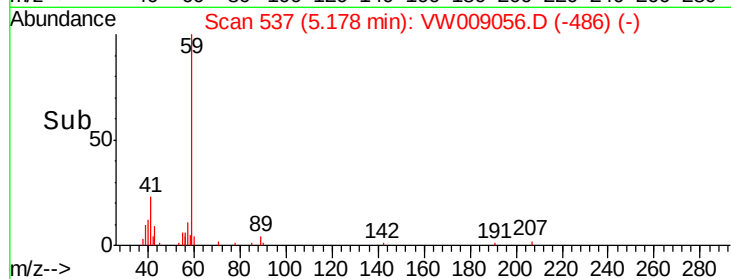
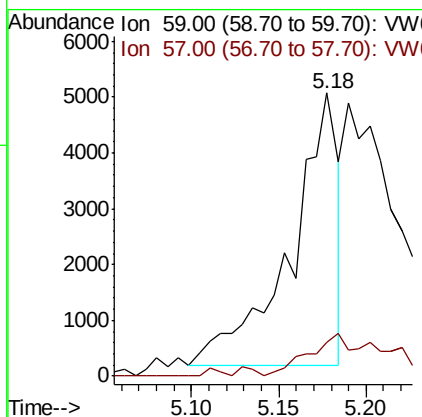
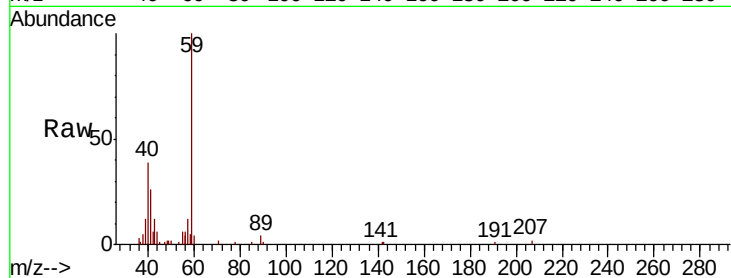


#11

Tert butyl alcohol
Concen: 44.322 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Instrument :
MSVOA_W
ClientSampleId :
VW0308SBSD01

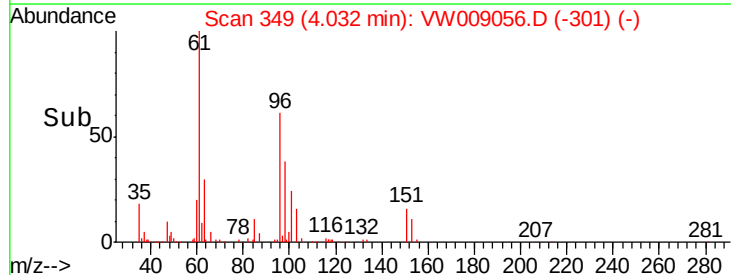
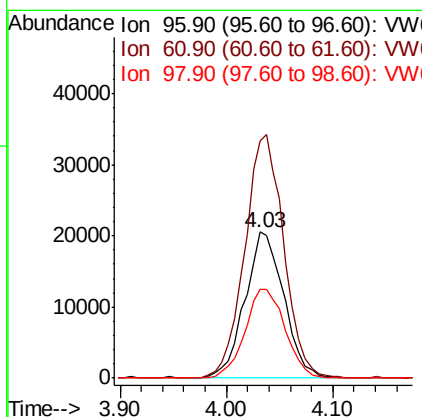
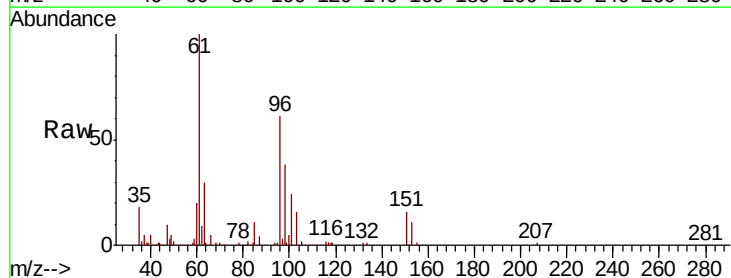
Tot Ion: 59 Resp: 9265
Ion Ratio Lower Upper
59 100
57 14.6 8.6 12.8#

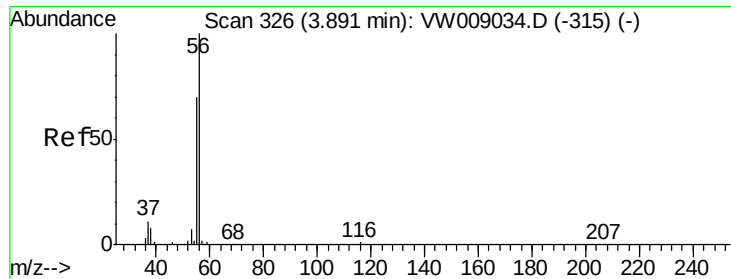


#12

1,1-Dichloroethene
Concen: 21.602 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Tgt Ion: 96 Resp: 52639
Ion Ratio Lower Upper
96 100
61 162.7 138.2 207.2
98 61.1 51.3 76.9





#13

Acrolein

Concen: 94.124 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

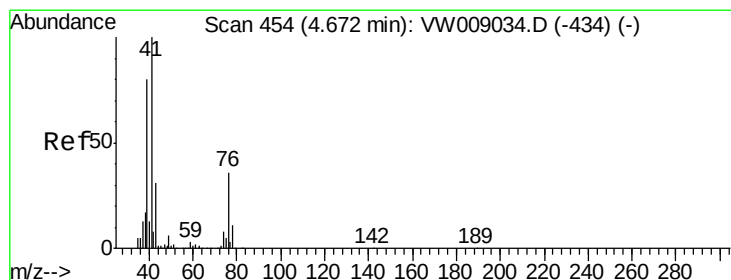
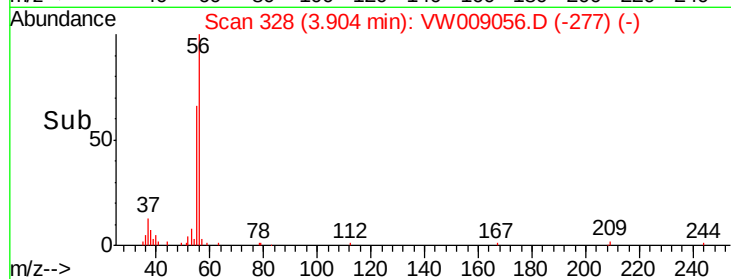
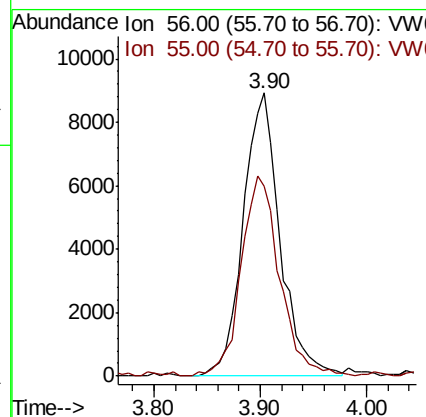
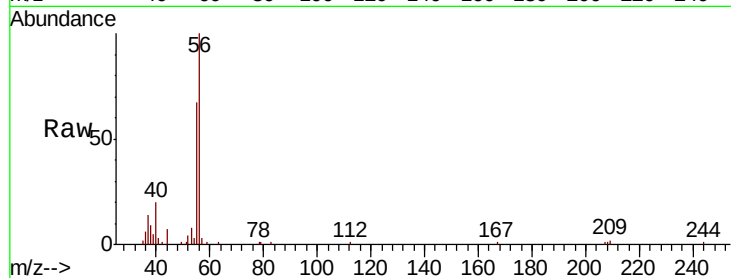
VW0308SBSD01

Tot Ion: 56 Resp: 21651

Ion Ratio Lower Upper

56 100

55 74.2 56.6 84.8



#14

Allyl chloride

Concen: 20.046 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

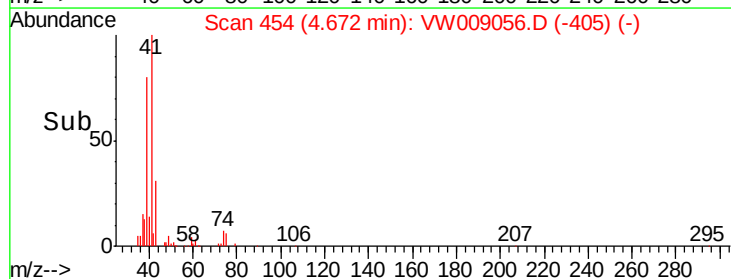
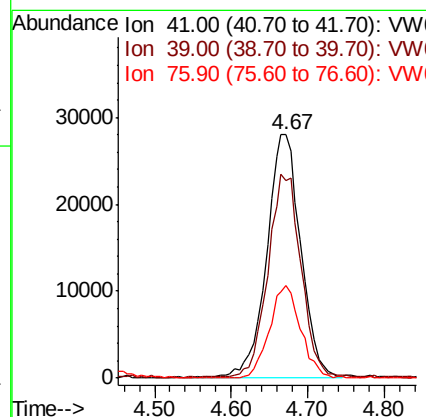
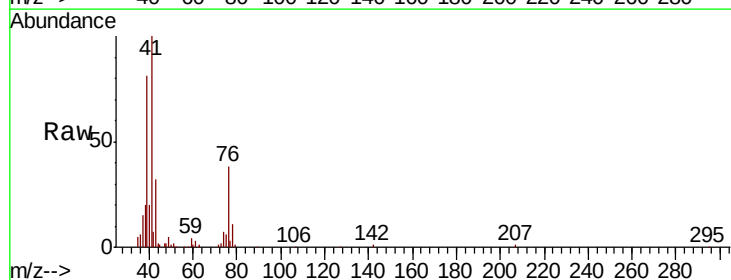
Tgt Ion: 41 Resp: 86163

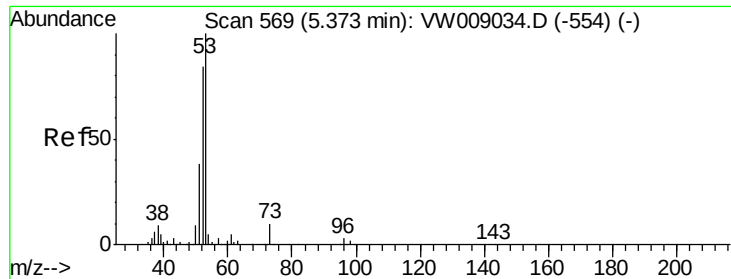
Ion Ratio Lower Upper

41 100

39 81.1 63.0 94.4

76 35.0 28.2 42.2





#15

Acrylonitrile

Concen: 104.480 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

VW0308SBS01

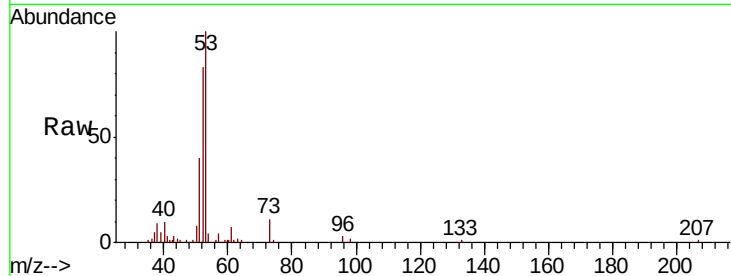
Tot Ion: 53 Resp: 63242

Ion Ratio Lower Upper

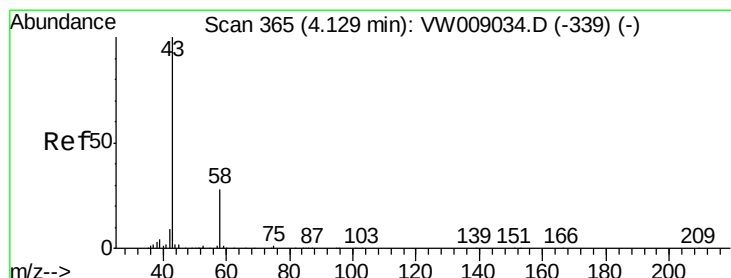
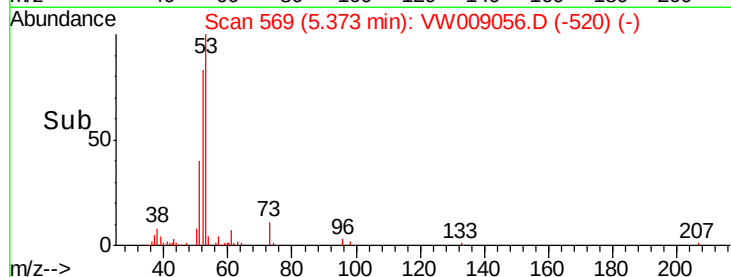
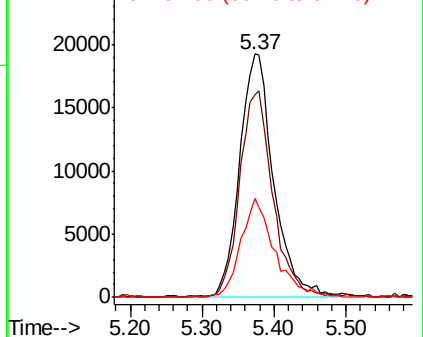
53 100

52 82.1 67.2 100.8

51 40.6 31.8 47.6



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



#16

Acetone

Concen: 110.250 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009056.D

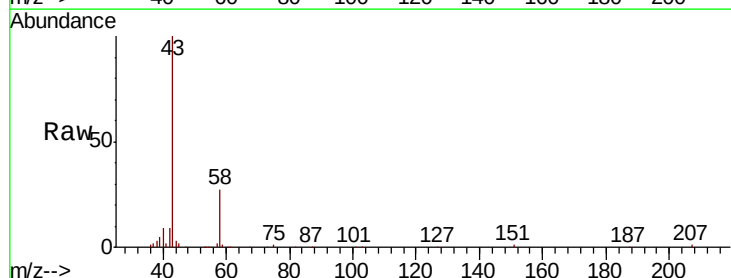
Acq: 08 Mar 2019 15:53

Tgt Ion: 43 Resp: 67866

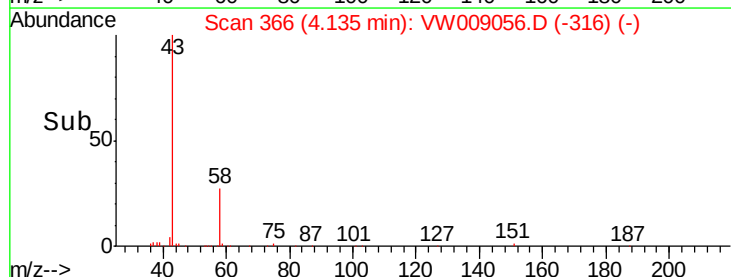
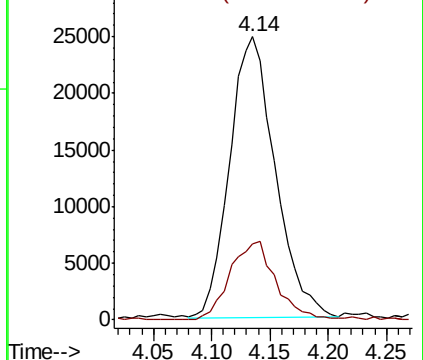
Ion Ratio Lower Upper

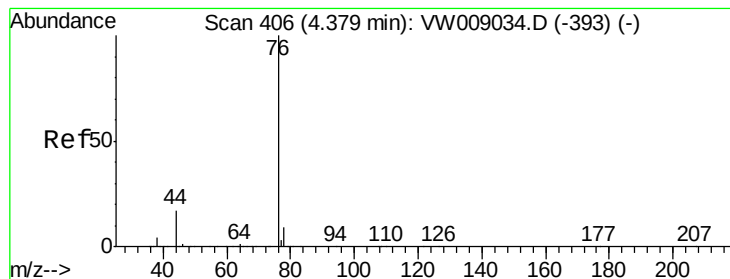
43 100

58 27.1 22.5 33.7



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





#17

Carbon Disulfide

Concen: 21.163 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

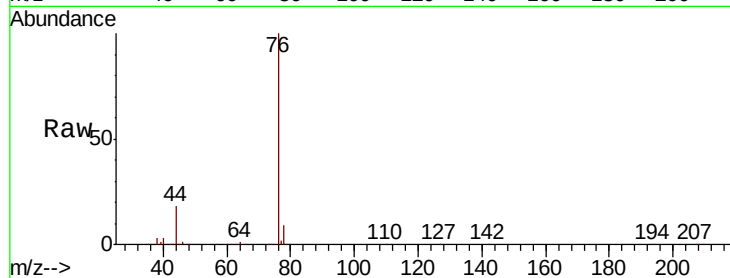
VW0308SBSD01

Tot Ion: 76 Resp: 173507

Ion Ratio Lower Upper

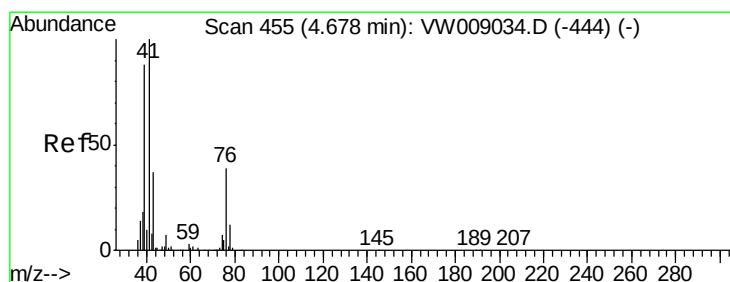
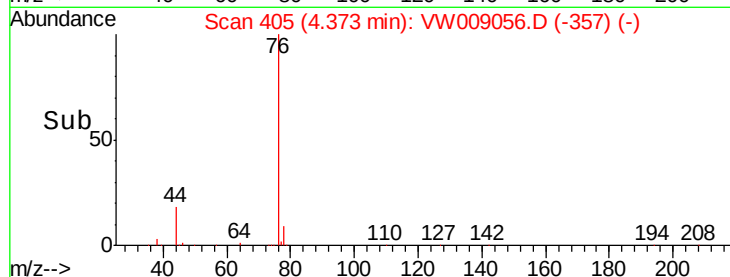
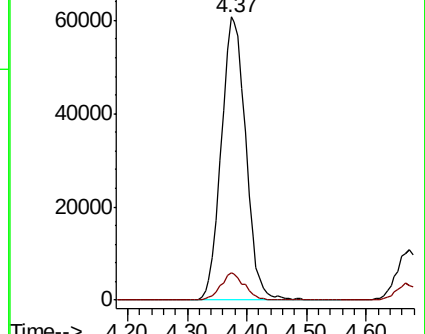
76 100

78 9.5 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 19.390 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW009056.D

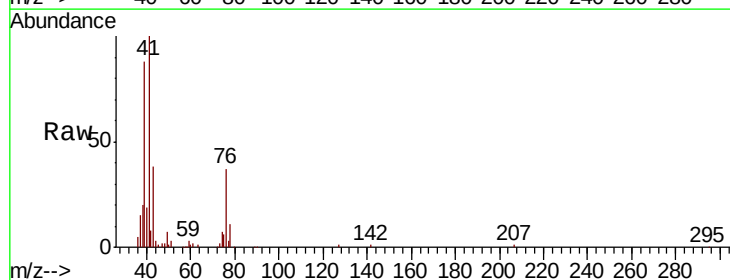
Acq: 08 Mar 2019 15:53

Tgt Ion: 43 Resp: 27447

Ion Ratio Lower Upper

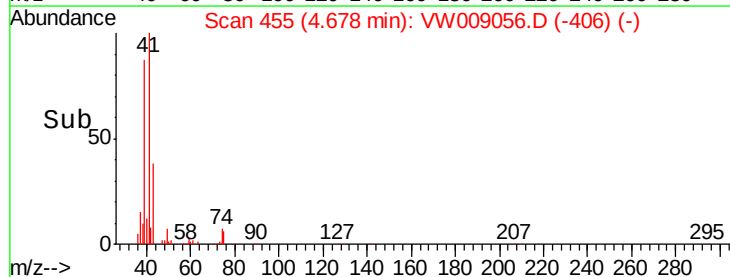
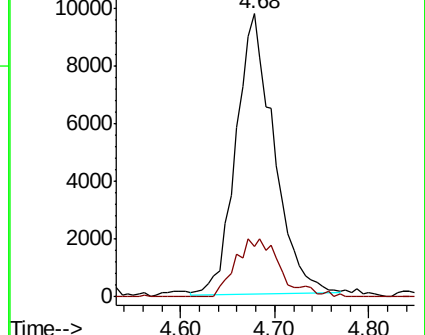
43 100

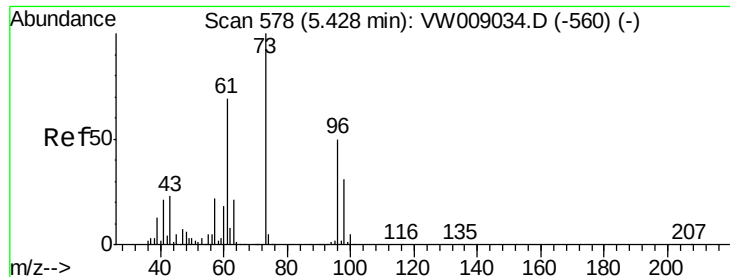
74 24.0 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



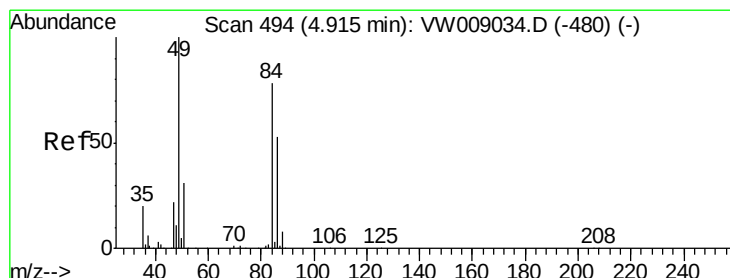
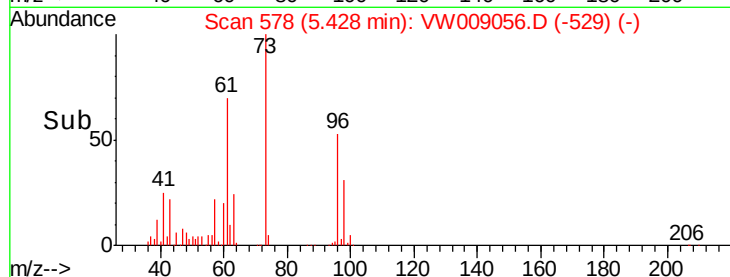
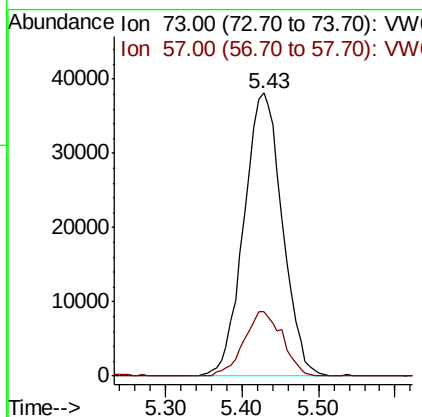
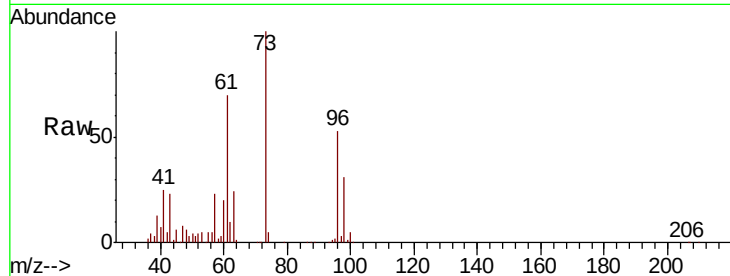


#19

Methyl tert-butyl Ether
 Concen: 20.711 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0308SBSD01

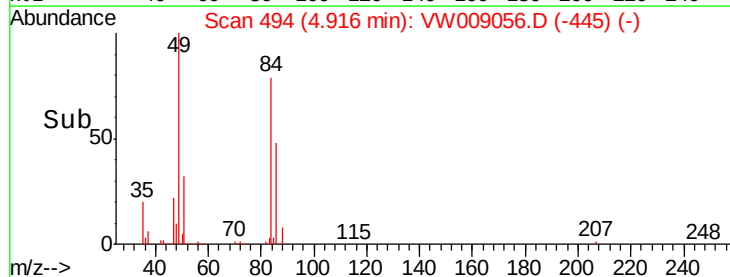
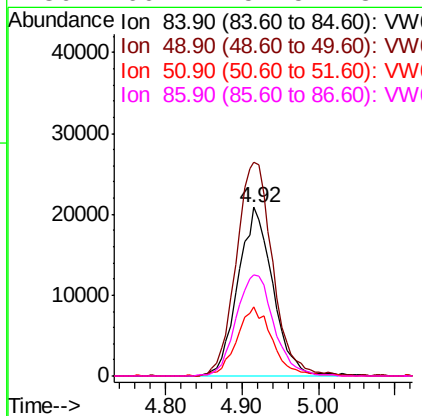
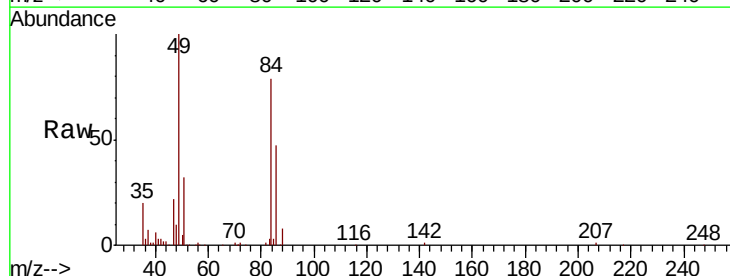
Tot Ion: 73 Resp: 133502
 Ion Ratio Lower Upper
 73 100
 57 22.5 17.3 25.9

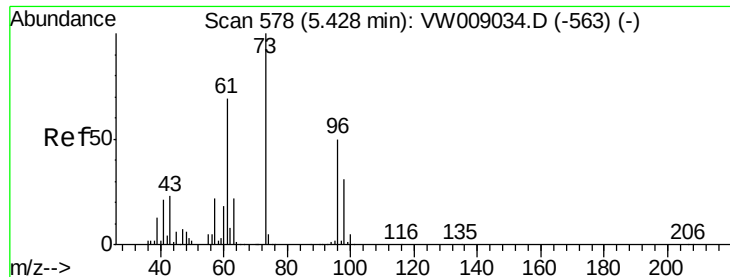


#20

Methylene Chloride
 Concen: 19.489 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

Tgt Ion: 84 Resp: 66022
 Ion Ratio Lower Upper
 84 100
 49 126.7 102.4 153.6
 51 40.4 31.6 47.4
 86 60.1 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 20.782 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

VW0308SBSD01

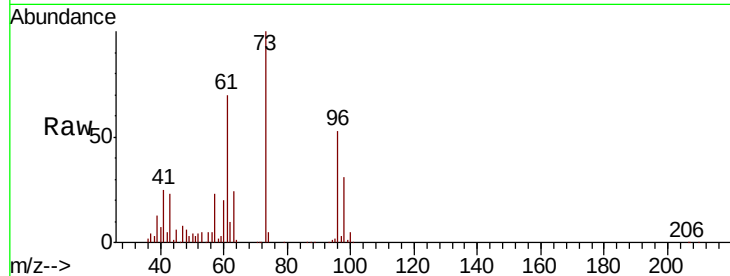
Tot Ion: 96 Resp: 58473

Ion Ratio Lower Upper

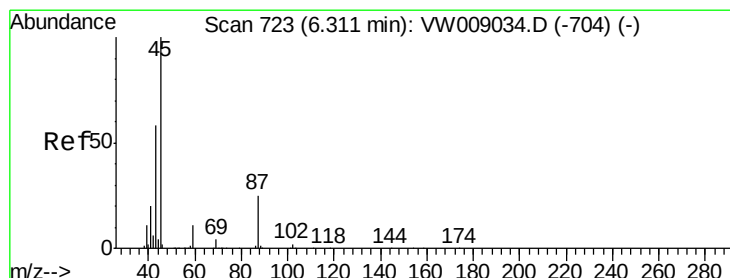
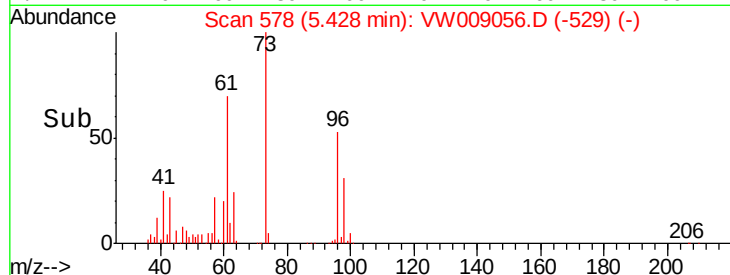
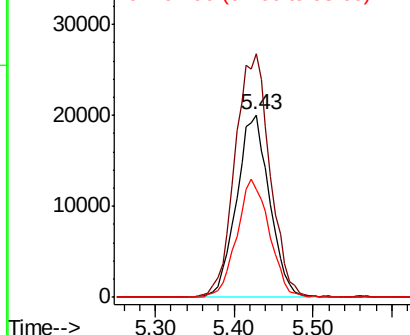
96 100

61 133.4 111.0 166.6

98 59.3 49.4 74.0



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



#22

Diisopropyl ether

Concen: 20.913 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Tgt Ion: 45 Resp: 178636

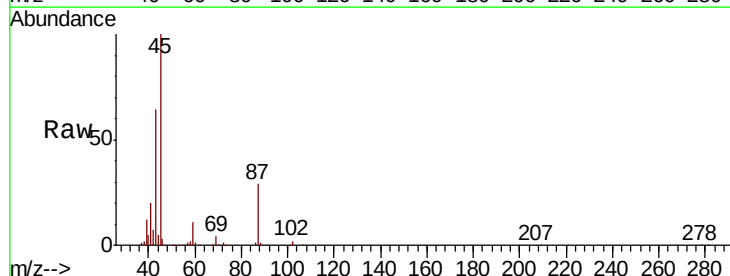
Ion Ratio Lower Upper

45 100

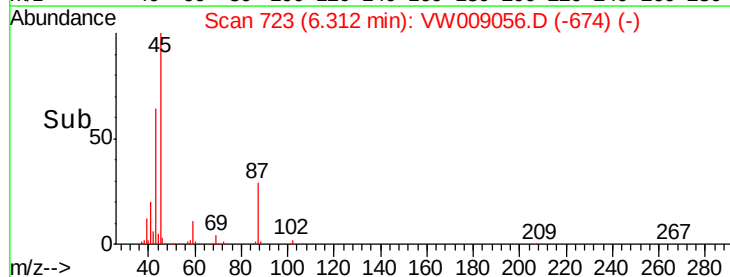
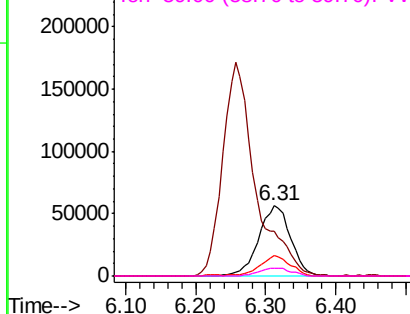
43 63.7 46.2 69.4

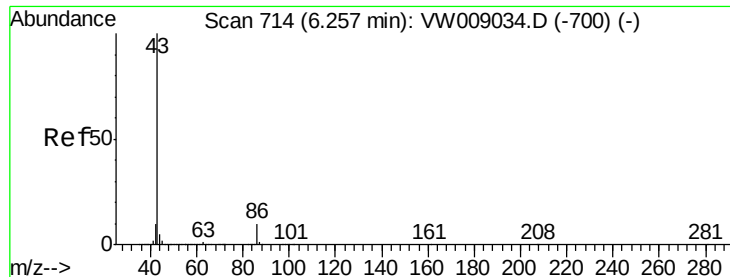
87 29.5 20.1 30.1

59 10.9 8.4 12.6



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 105.377 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

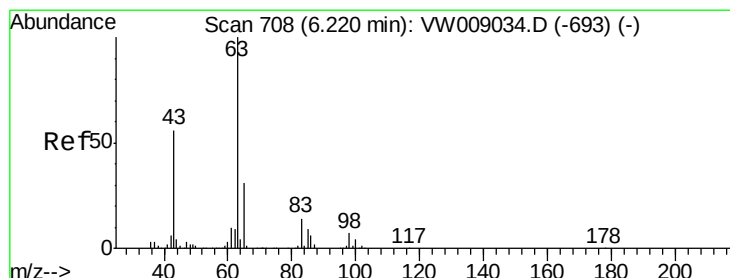
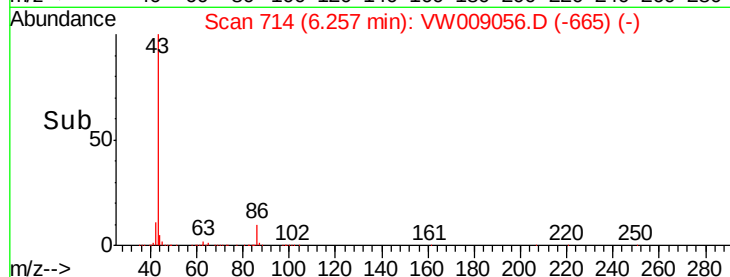
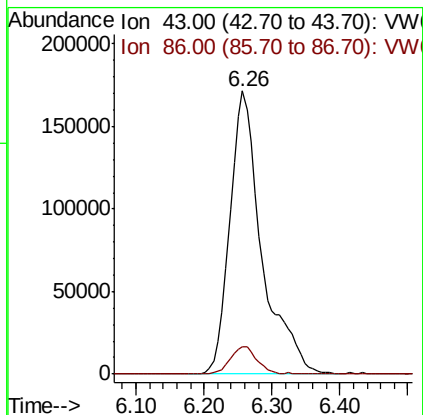
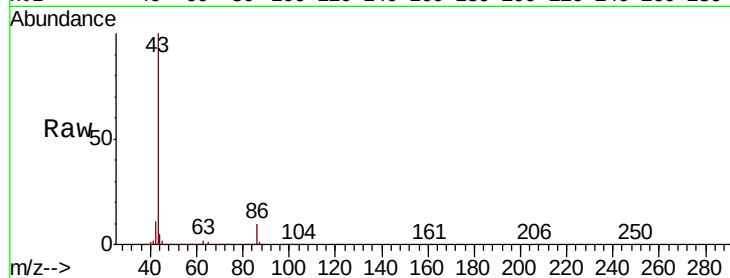
VW0308SBSD01

Tot Ion: 43 Resp: 560137

Ion Ratio Lower Upper

43 100

86 9.6 7.6 11.4



#24

1,1-Dichloroethane

Concen: 20.908 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

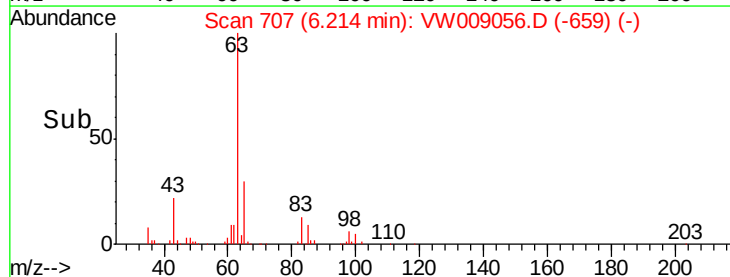
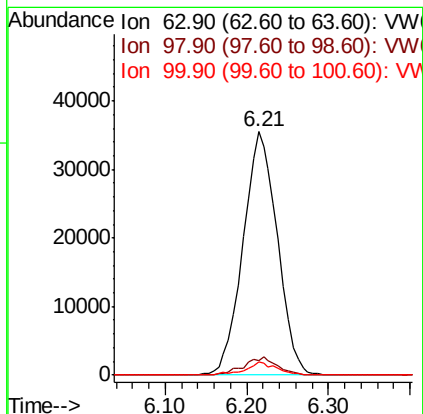
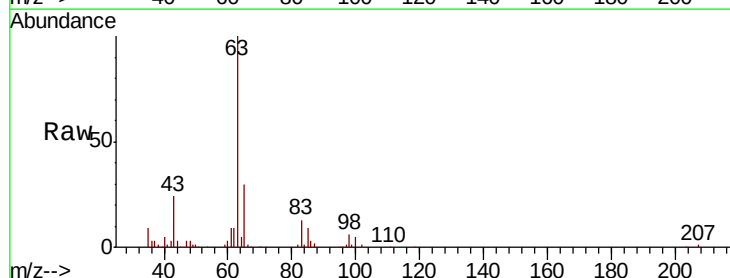
Tgt Ion: 63 Resp: 103587

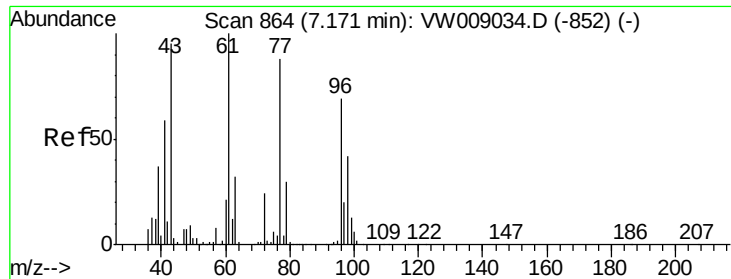
Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

100 5.4 2.1 6.2





#25

2-Butanone

Concen: 104.631 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

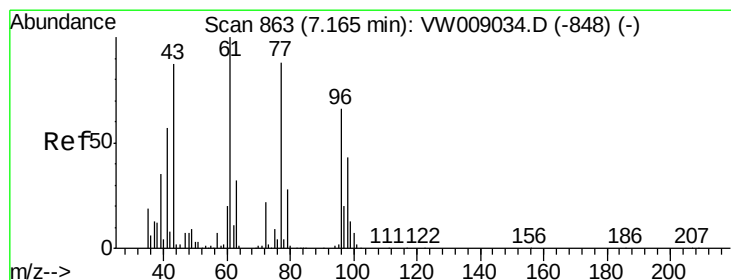
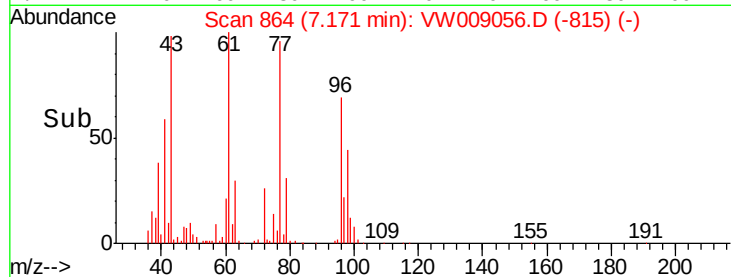
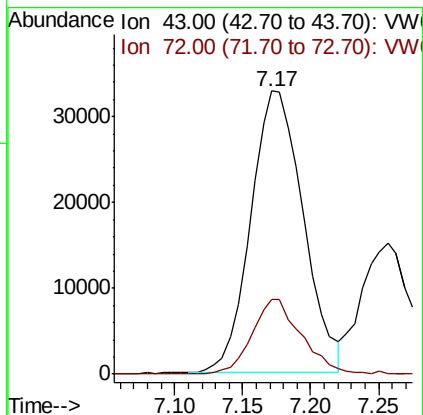
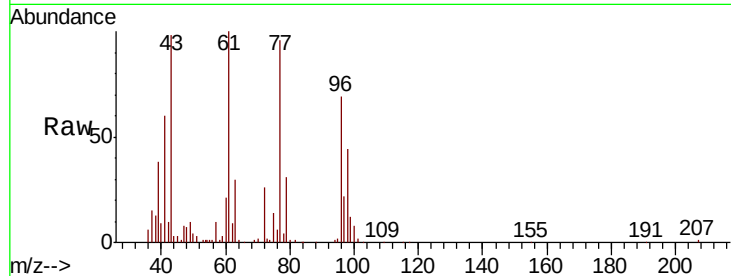
Instrument :
MSVOA_W
ClientSampleId :
VW0308SBSD01

Tot Ion: 43 Resp: 89012

Ion Ratio Lower Upper

43 100

72 26.4 20.0 30.0



#26

2,2-Dichloropropane

Concen: 21.376 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009056.D

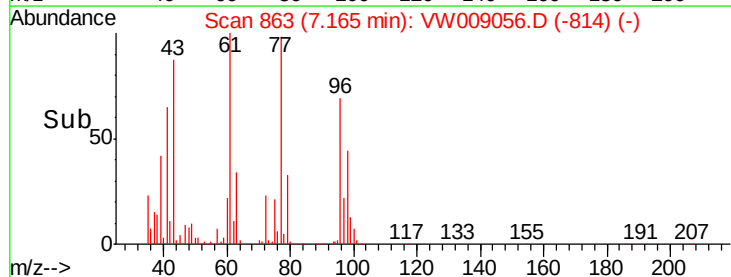
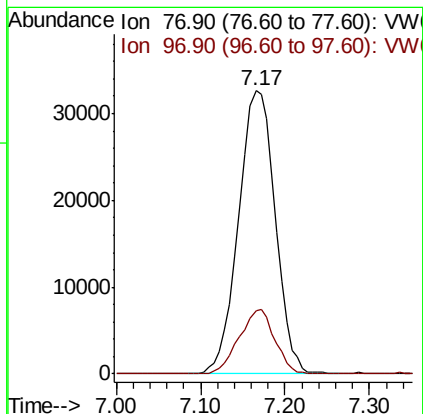
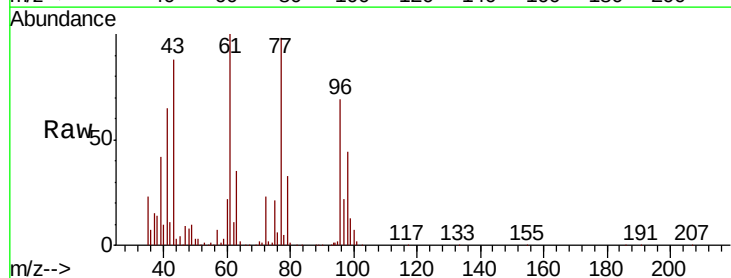
Acq: 08 Mar 2019 15:53

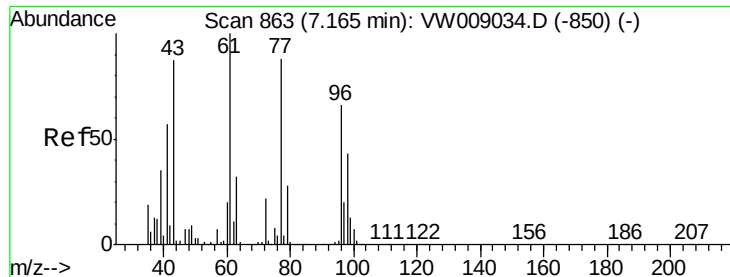
Tgt Ion: 77 Resp: 96267

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.9



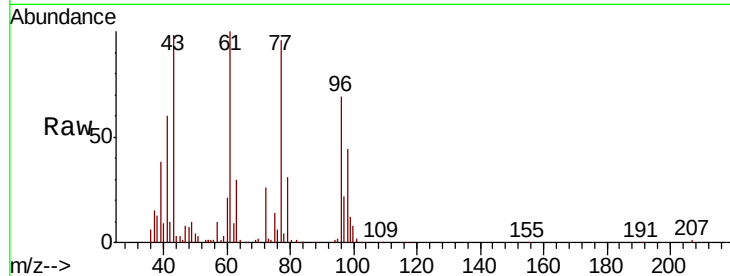


#27

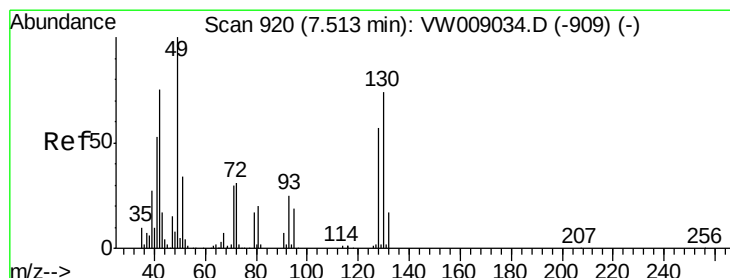
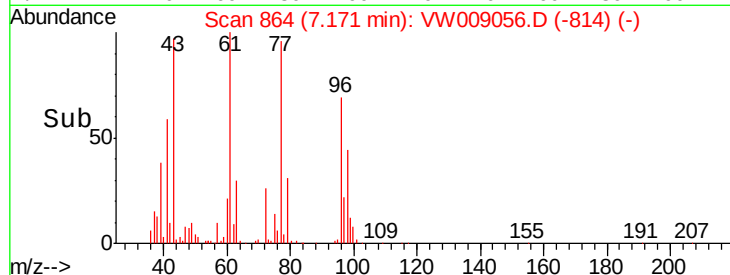
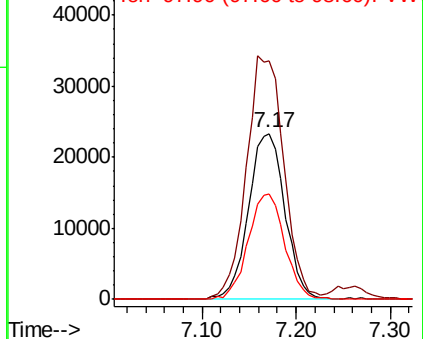
cis-1,2-Dichloroethene
Concen: 20.875 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Instrument :
MSVOA_W
ClientSampleId :
VW0308SBSD01

Tot Ion: 96 Resp: 63082
Ion Ratio Lower Upper
96 100
61 151.0 0.0 299.8
98 63.5 0.0 127.2



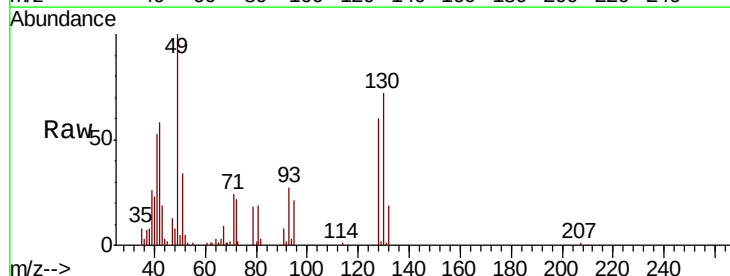
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



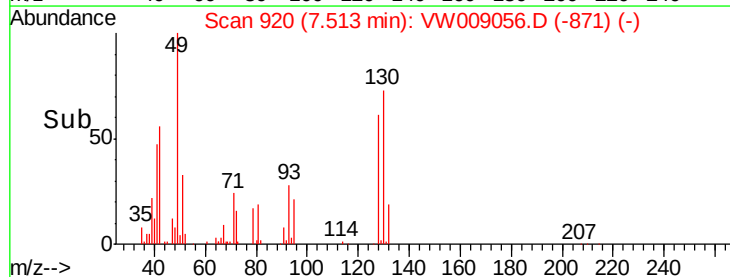
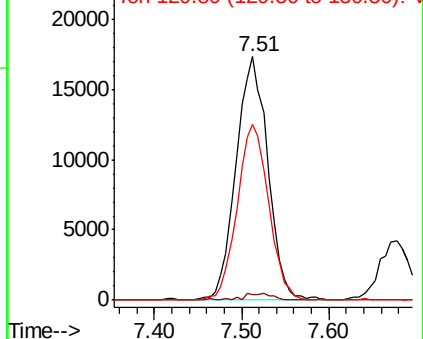
#28

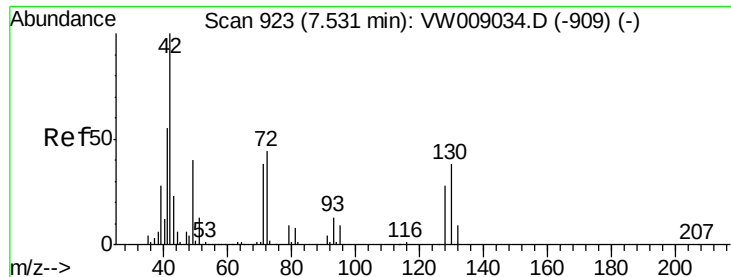
Bromochloromethane
Concen: 21.291 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Tgt Ion: 49 Resp: 43877
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.6
130 71.5 60.4 90.6



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

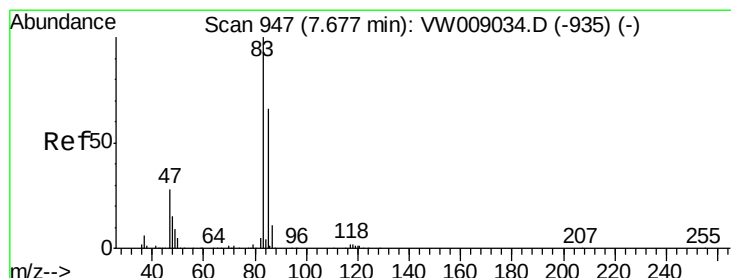
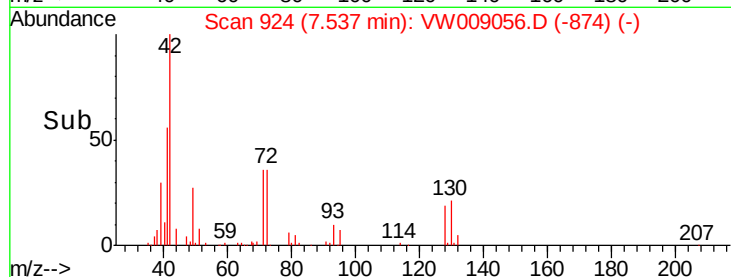
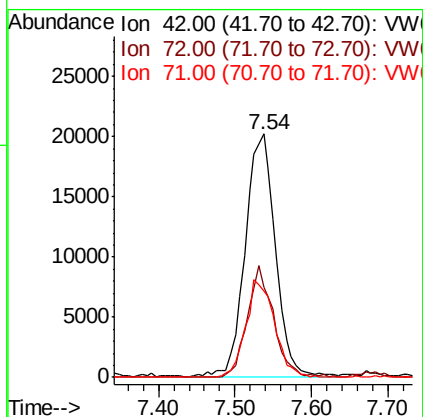
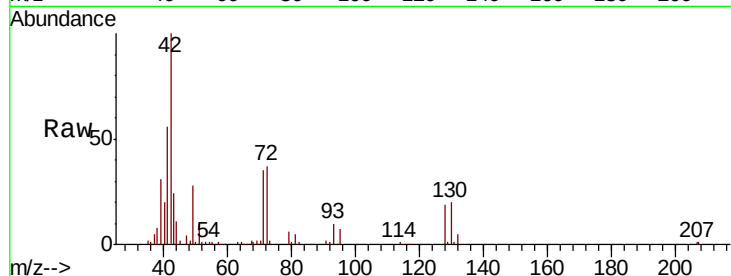




#29
Tetrahydrofuran
Concen: 104.709 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

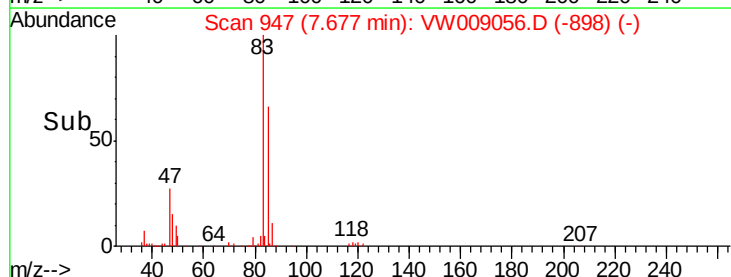
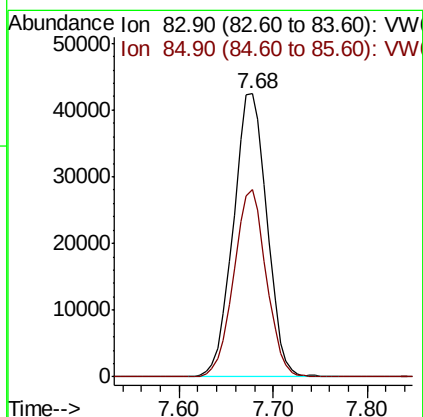
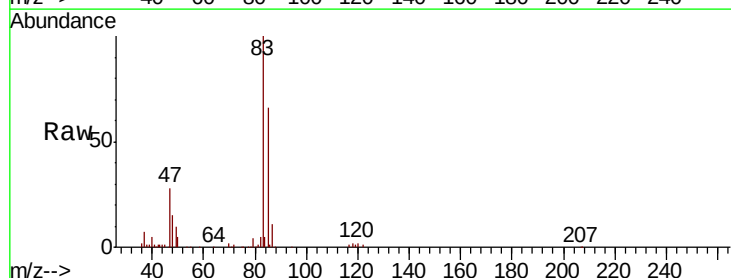
Instrument :
MSVOA_W
ClientSampleId :
VW0308SBS01

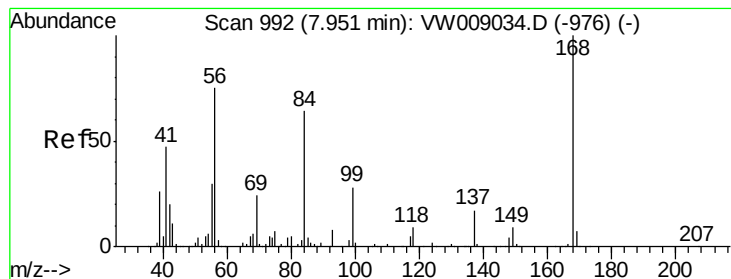
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.2	48.4
71	37.9	30.7	46.1



#30
Chloroform
Concen: 20.602 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	53.0	79.6





#31

Cyclohexane

Concen: 21.054 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampled :

VW0308SBSD01

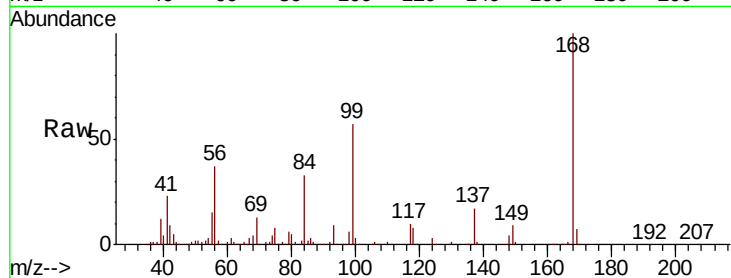
Tot Ion: 56 Resp: 107106

Ion Ratio Lower Upper

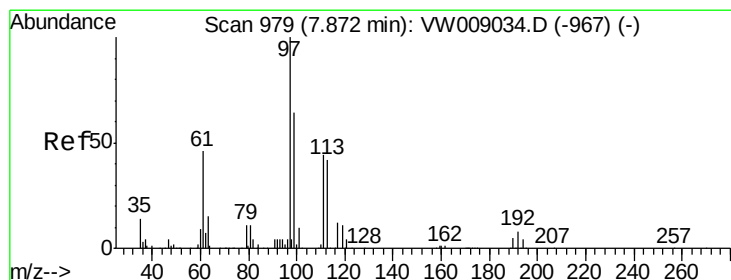
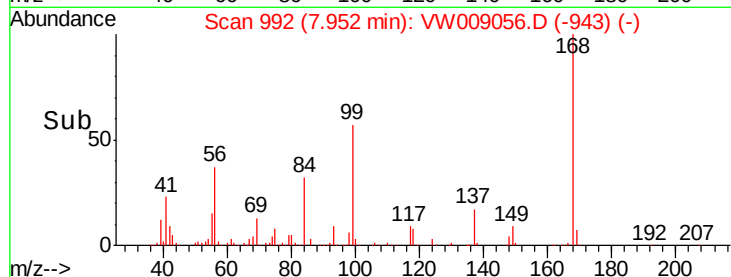
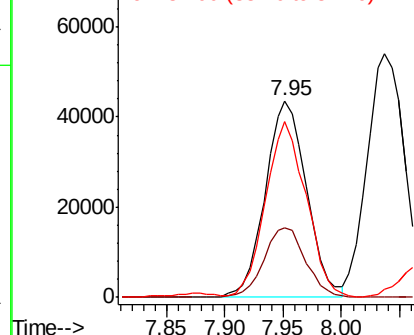
56 100

69 35.6 25.5 38.3

84 87.5 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: 20.810 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

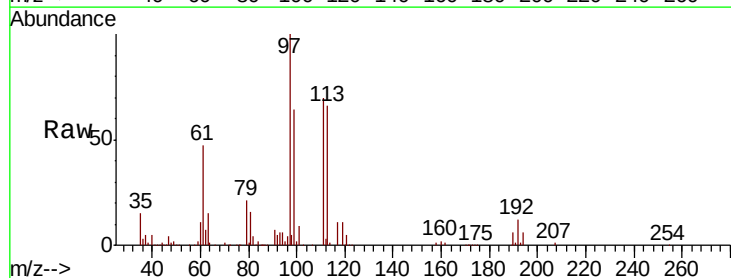
Tgt Ion: 97 Resp: 97963

Ion Ratio Lower Upper

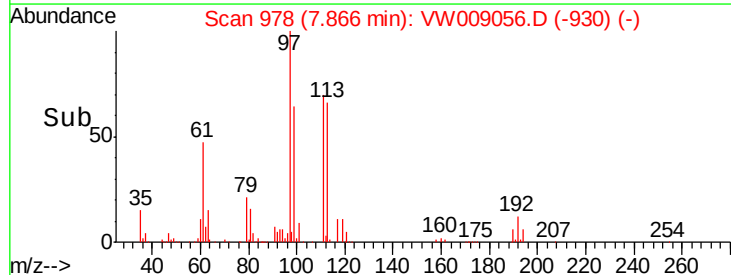
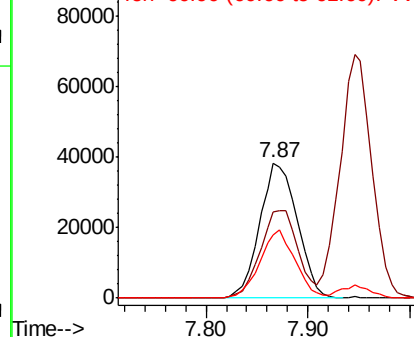
97 100

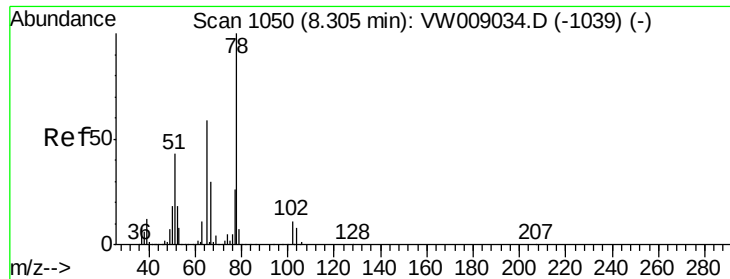
99 65.5 51.8 77.8

61 47.6 37.3 55.9



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

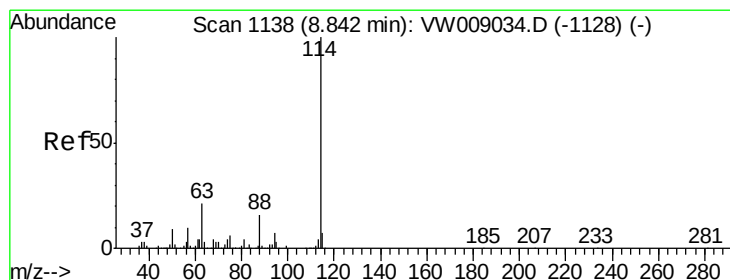
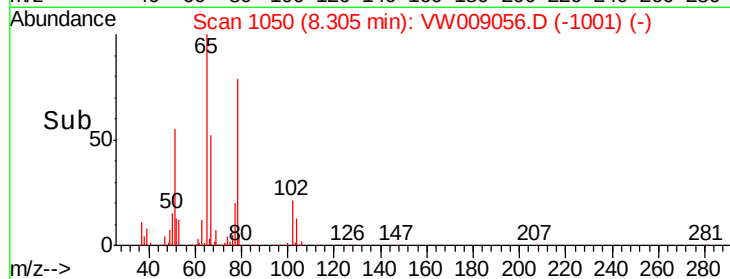
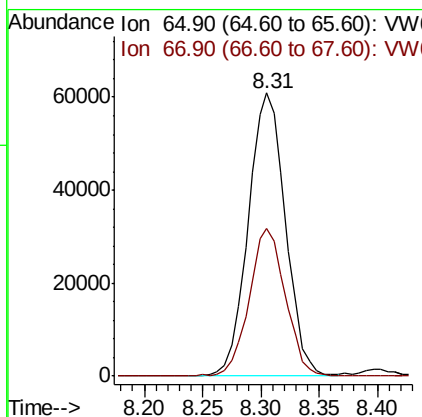
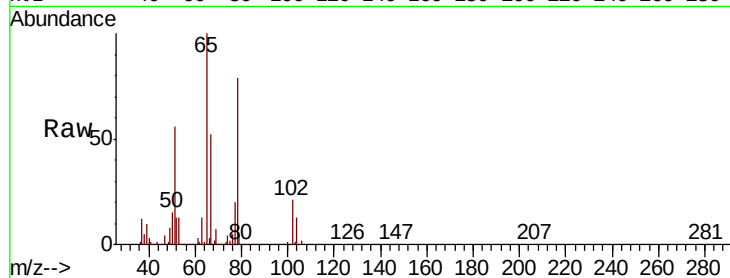




#33
 1,2-Dichloroethane-d4
 Concen: 49.329 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

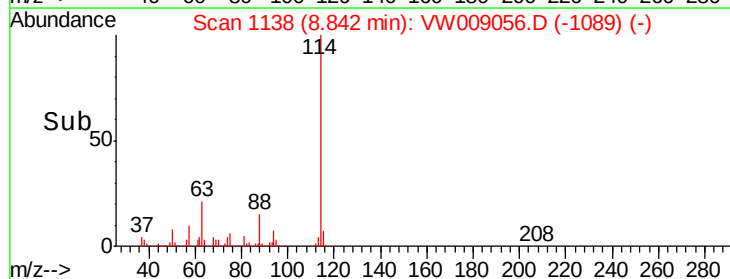
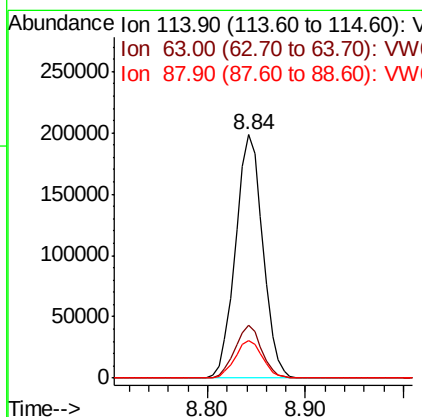
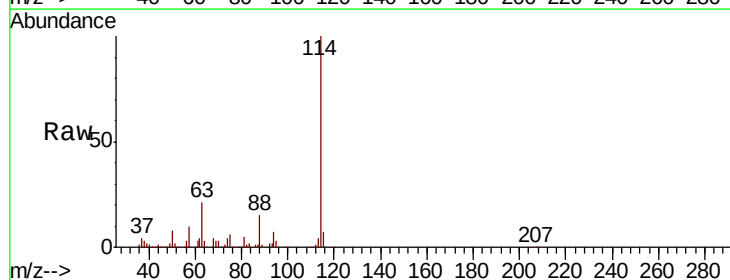
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0308SBSD01

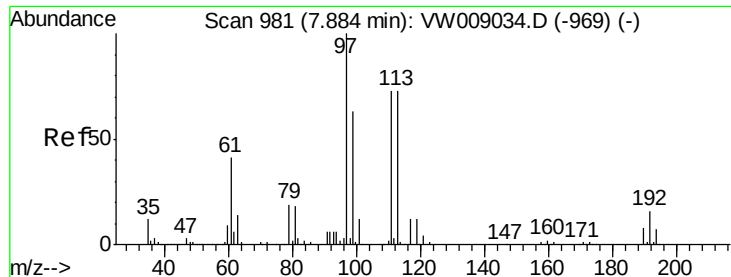
Tot Ion: 65 Resp: 134563
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

Tgt Ion: 114 Resp: 385846
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 41.2
 88 15.5 0.0 31.2

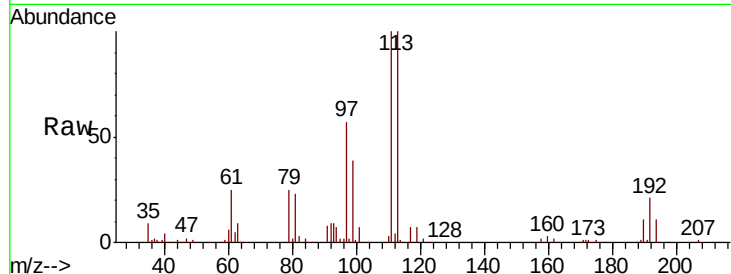




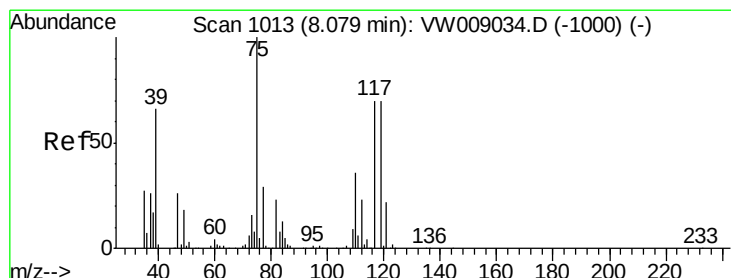
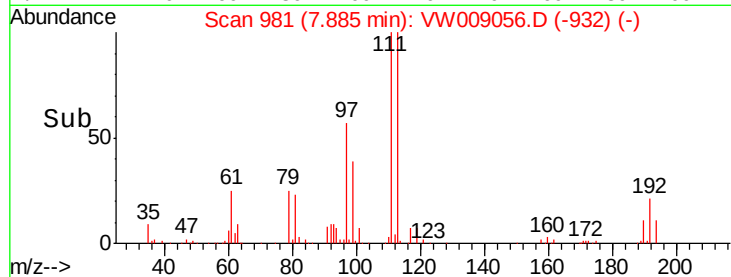
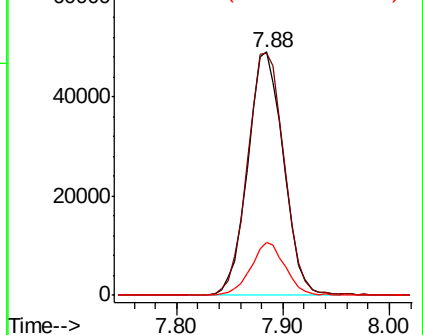
#35
 Dibromofluoromethane
 Concen: 49.730 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0308SBSD01

Tot Ion:113 Resp: 115530
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.0 121.4
 192 20.8 17.1 25.7

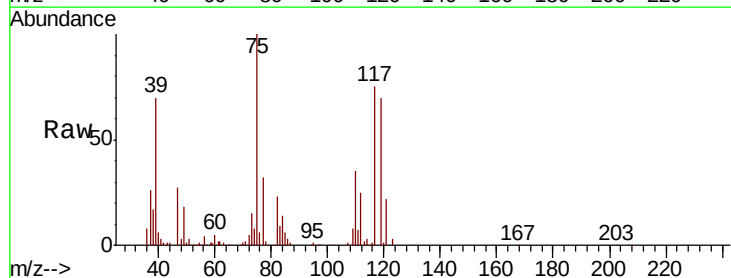


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

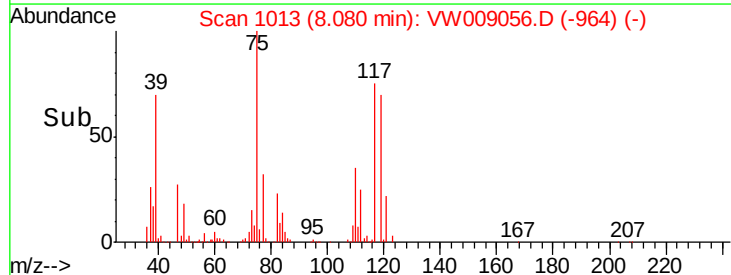
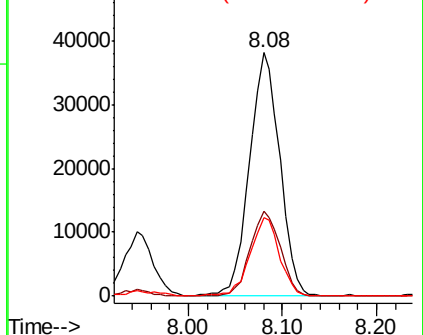


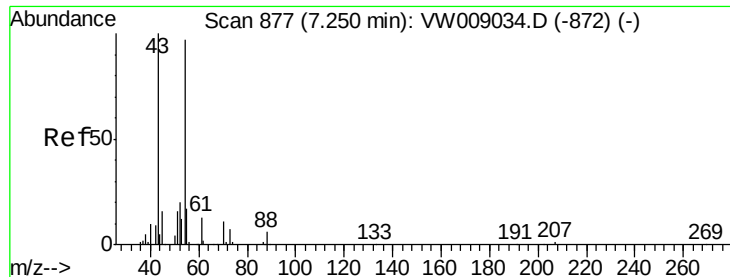
#36
 1,1-Dichloropropene
 Concen: 21.475 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

Tgt Ion: 75 Resp: 86639
 Ion Ratio Lower Upper
 75 100
 110 34.8 17.6 52.9
 77 31.4 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

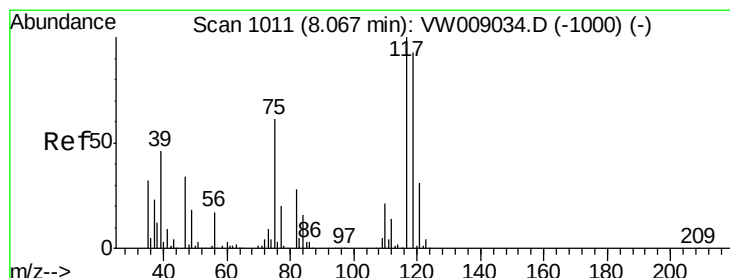
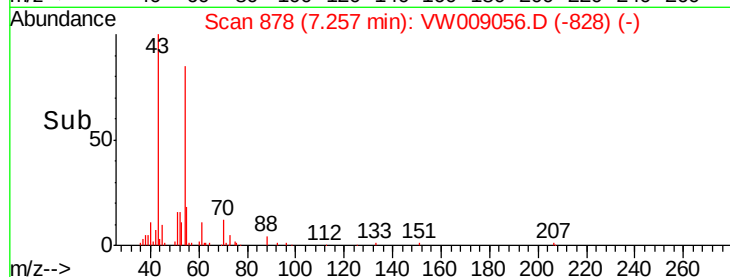
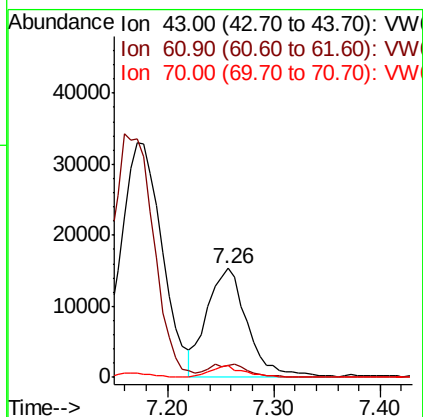
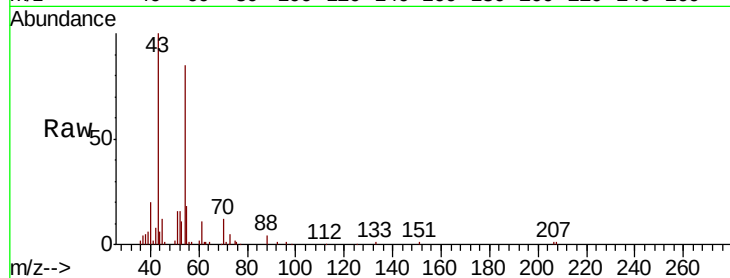




#37
Ethyl Acetate
Concen: 20.840 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

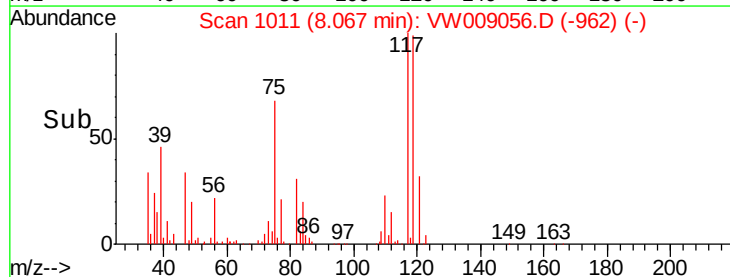
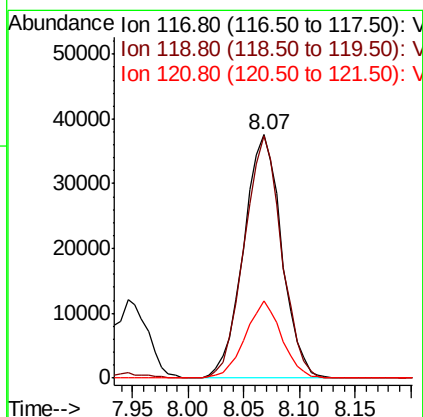
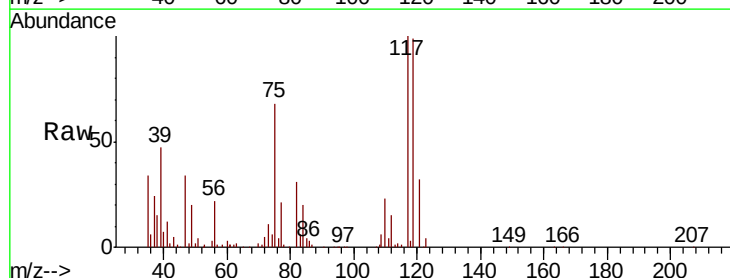
Instrument :
MSVOA_W
ClientSampleId :
VW0308SBS01

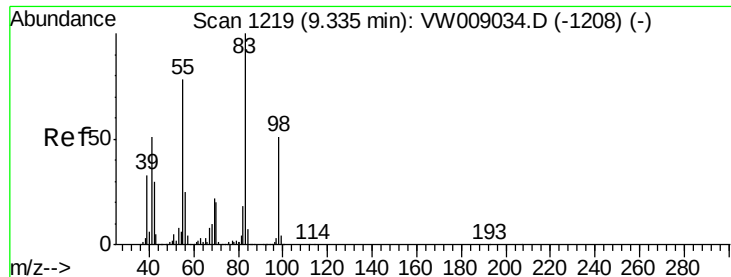
Tot Ion: 43 Resp: 39493
Ion Ratio Lower Upper
43 100
61 12.0 9.8 14.6
70 9.5 7.2 10.8



#38
Carbon Tetrachloride
Concen: 21.351 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Tgt Ion: 117 Resp: 88958
Ion Ratio Lower Upper
117 100
119 99.5 74.6 112.0
121 32.0 24.7 37.1

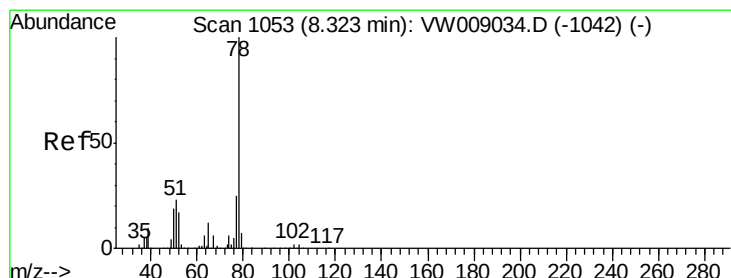
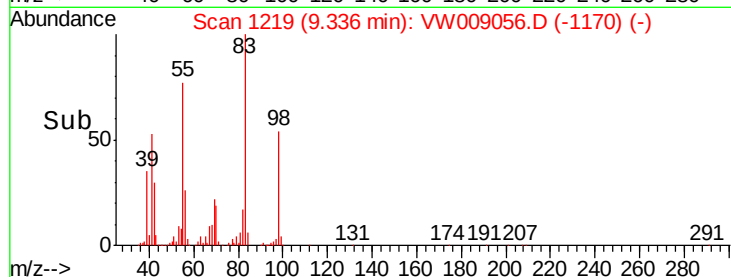
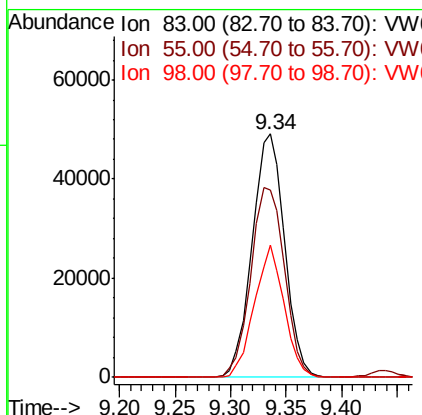
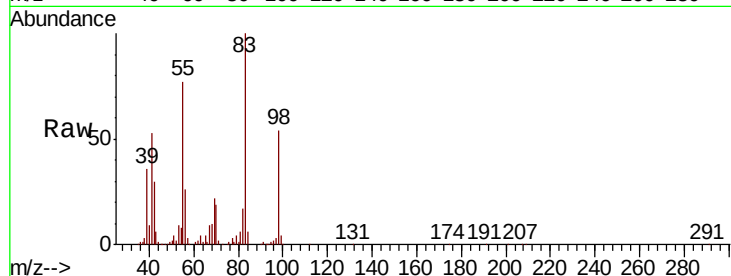




#39
Methylvlcyclohexane
Concen: 20.798 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

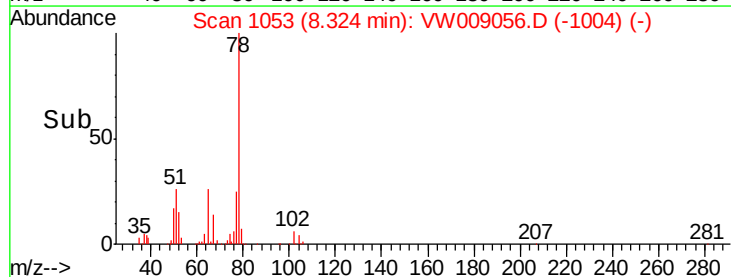
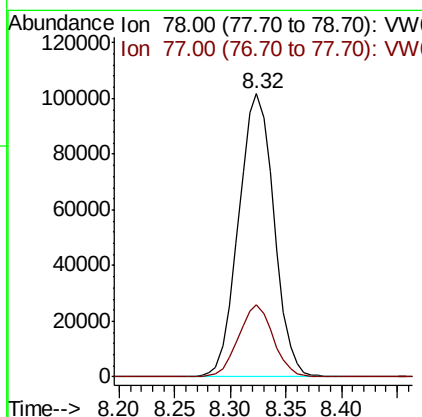
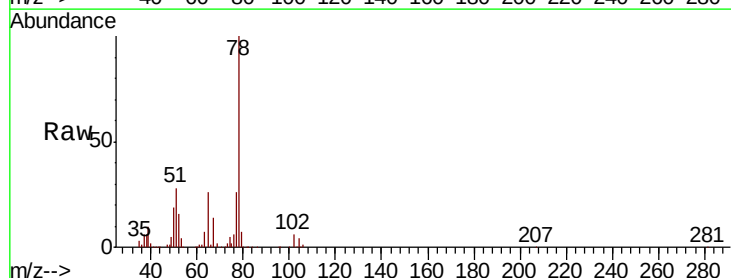
Instrument :
MSVOA_W
ClientSampleId :
VW0308SBSD01

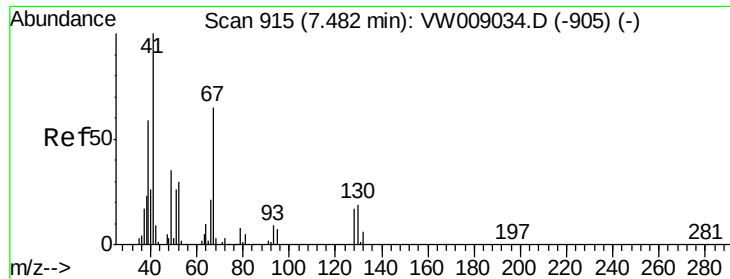
Tot Ion: 83 Resp: 99943
Ion Ratio Lower Upper
83 100
55 77.0 62.7 94.1
98 54.2 40.8 61.2



#40
Benzene
Concen: 20.903 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Tgt Ion: 78 Resp: 225118
Ion Ratio Lower Upper
78 100
77 25.6 20.2 30.4

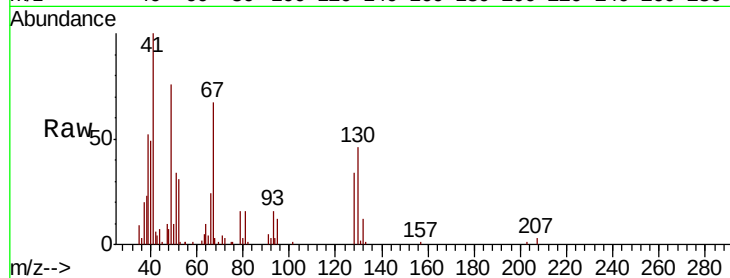




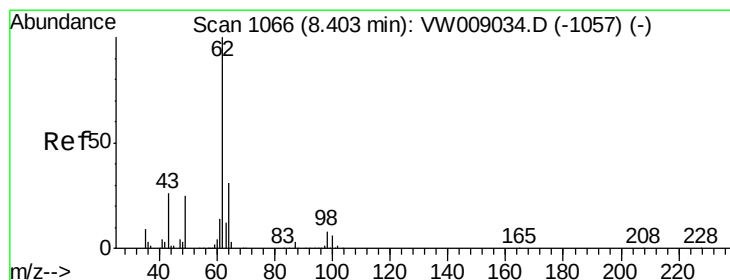
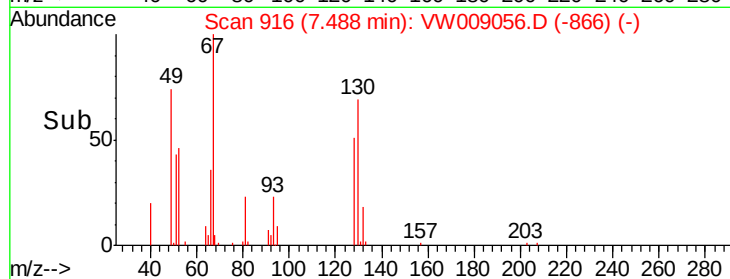
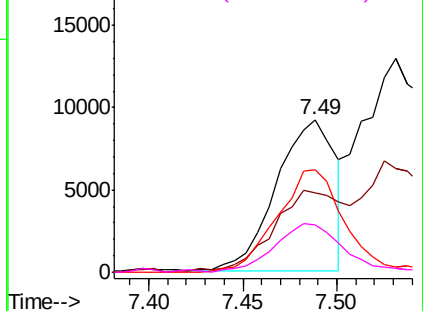
#41
Methacrylonitrile
Concen: 18.959 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Instrument :
MSVOA_W
ClientSampleId :
VW0308SBS01

Tot Ion:	41	Resp:	19951
Ion	Ratio	Lower	Upper
41	100		
39	66.3	53.6	80.4
67	77.5	57.6	86.4
52	37.4	26.0	39.0

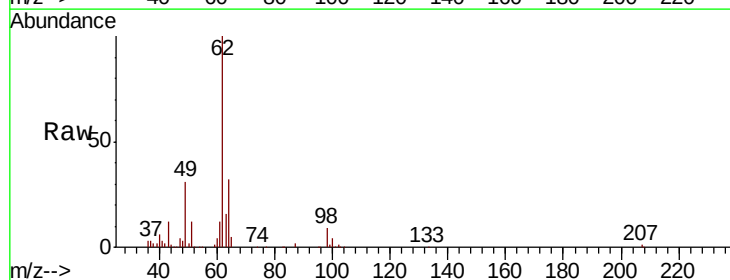


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

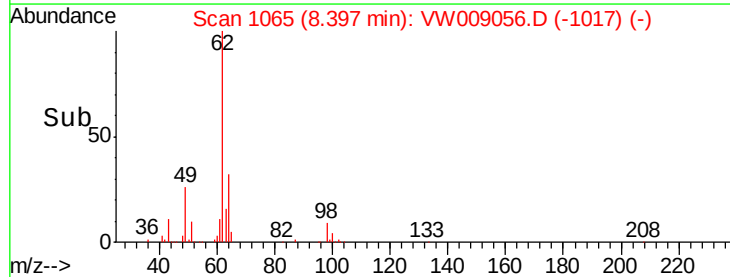
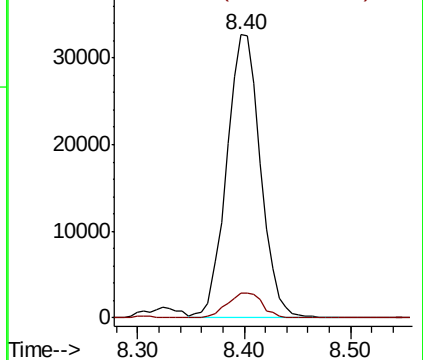


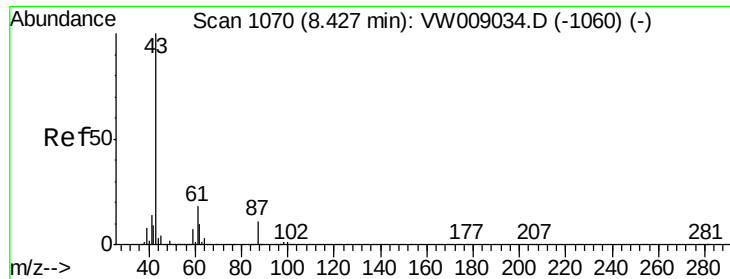
#42
1,2-Dichloroethane
Concen: 20.957 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Tgt Ion:	62	Resp:	72865
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.6



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





#43

Isopropyl Acetate

Concen: 21.269 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

VW0308SBS01

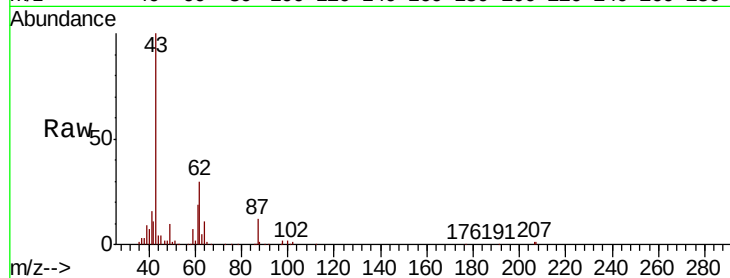
Tot Ion: 43 Resp: 75069

Ion Ratio Lower Upper

43 100

61 27.6 22.8 34.2

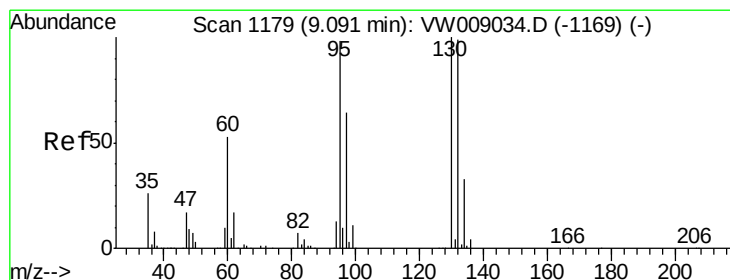
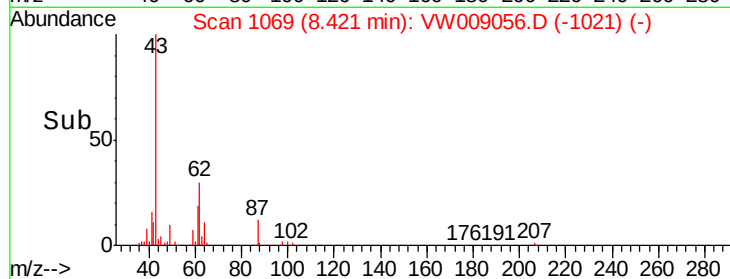
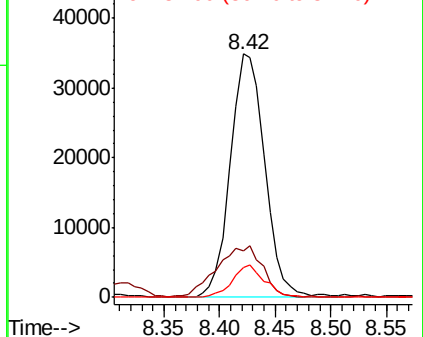
87 12.6 9.4 14.2



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: 21.291 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009056.D

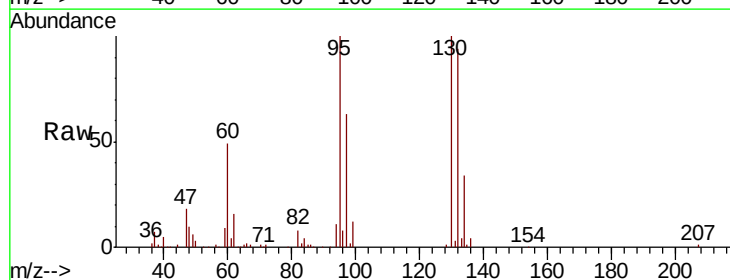
Acq: 08 Mar 2019 15:53

Tgt Ion: 130 Resp: 64267

Ion Ratio Lower Upper

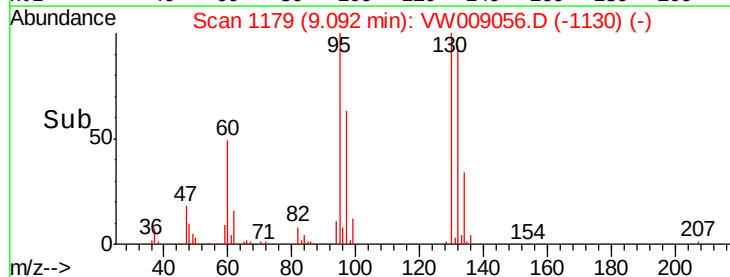
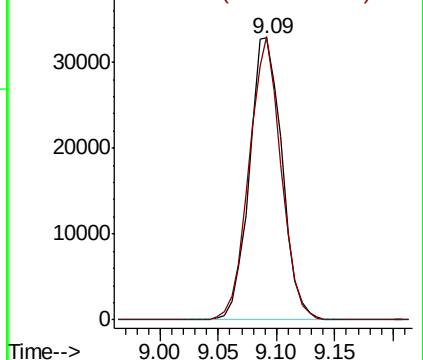
130 100

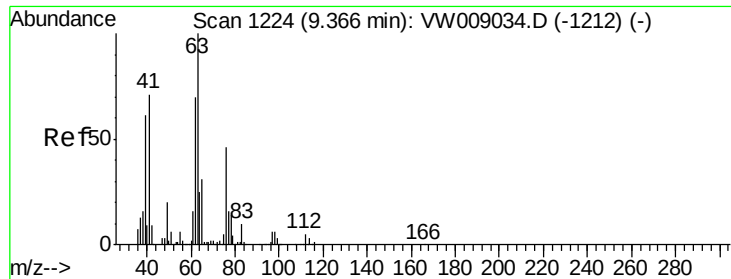
95 100.4 0.0 197.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 21.253 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

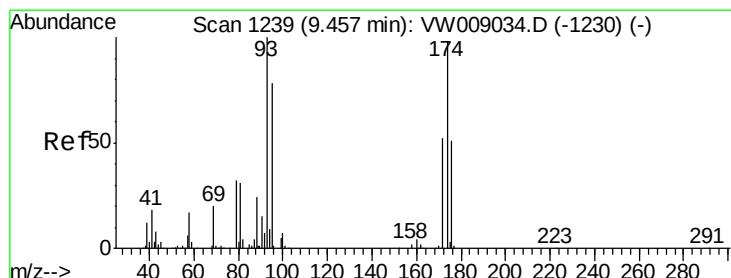
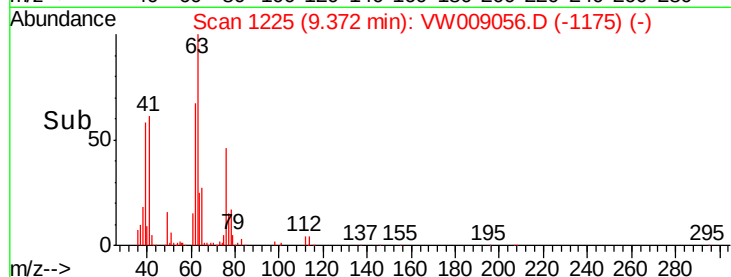
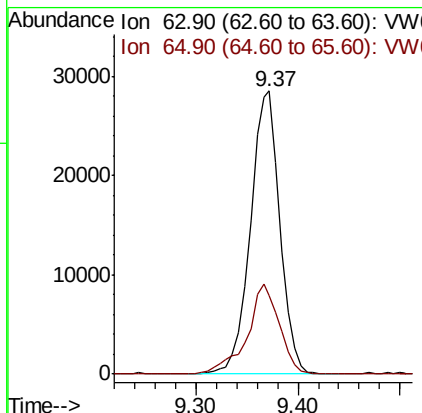
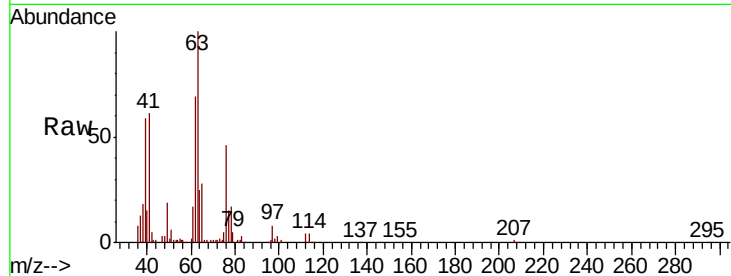
VW0308SBS01

Tot Ion: 63 Resp: 57328

Ion Ratio Lower Upper

63 100

65 27.7 24.9 37.3



#46

Dibromomethane

Concen: 21.123 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

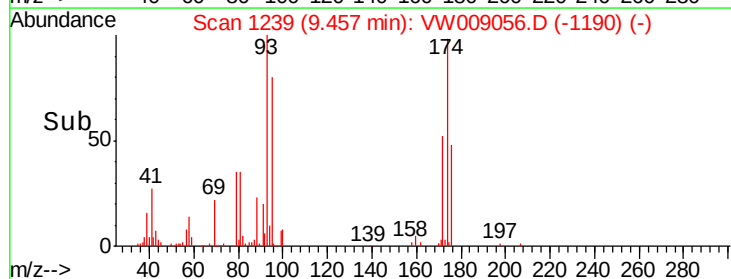
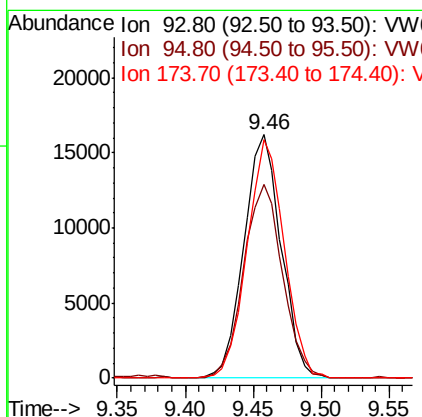
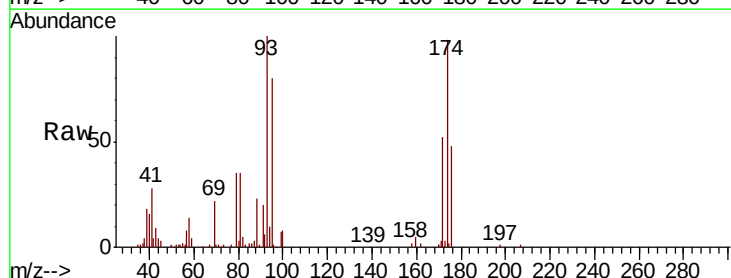
Tgt Ion: 93 Resp: 31117

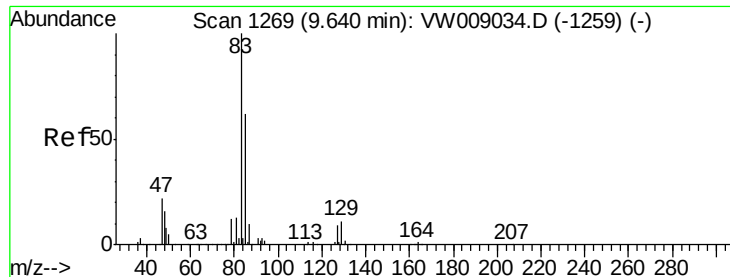
Ion Ratio Lower Upper

93 100

95 83.2 65.0 97.6

174 97.9 81.8 122.6





#47

Bromodichloromethane

Concen: 20.964 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

VW0308SBSD01

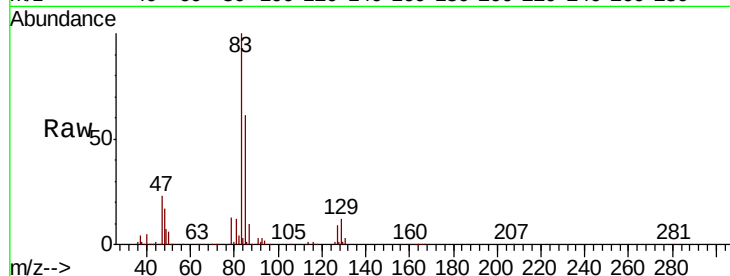
Tot Ion: 83 Resp: 78175

Ion Ratio Lower Upper

83 100

85 60.6 49.9 74.9

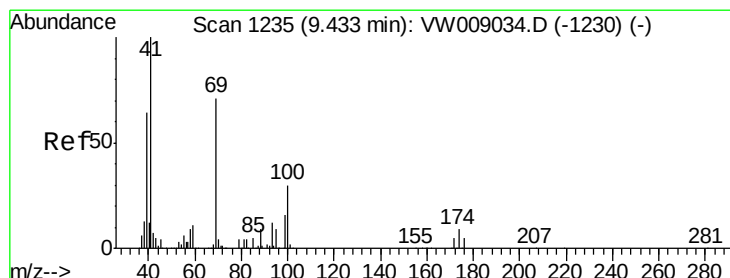
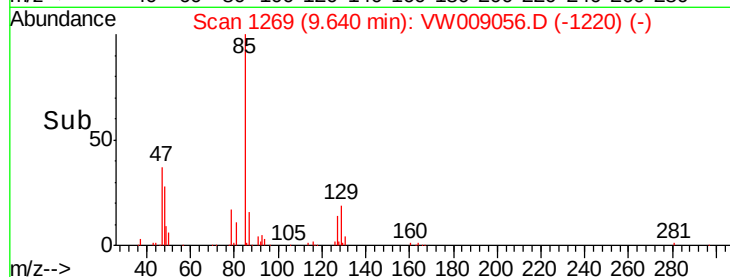
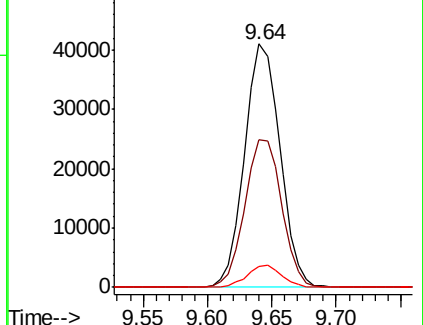
127 8.6 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.890 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

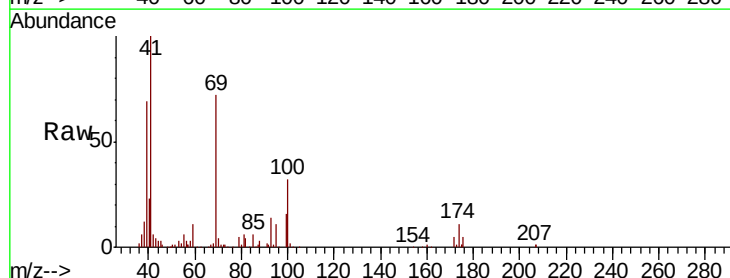
Tgt Ion: 41 Resp: 32688

Ion Ratio Lower Upper

41 100

69 82.9 59.1 88.7

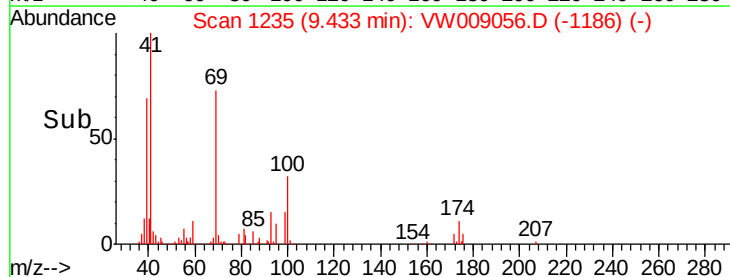
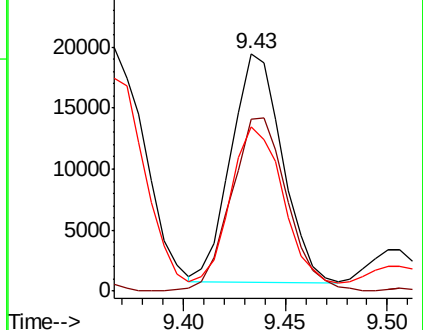
39 70.0 48.9 73.3

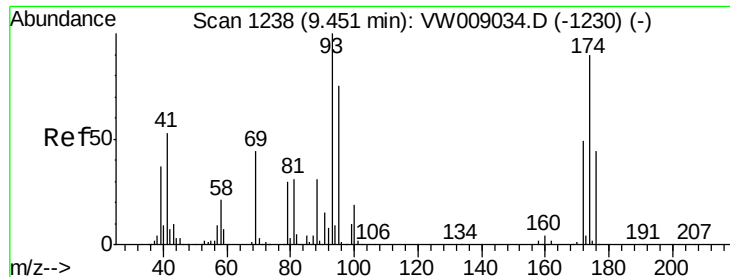


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 407.727 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

VW0308SBSD01

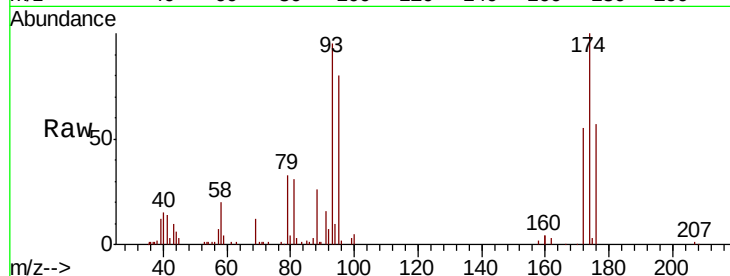
Tot Ion: 88 Resp: 8601

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

58 74.0 59.2 88.8

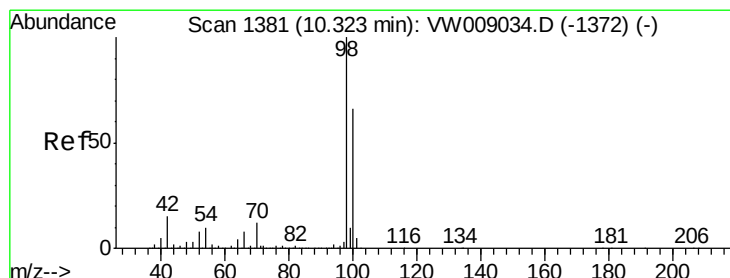
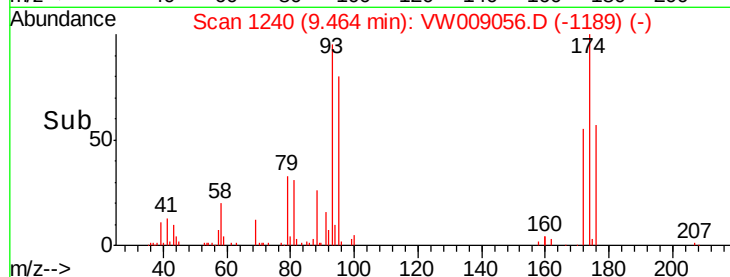
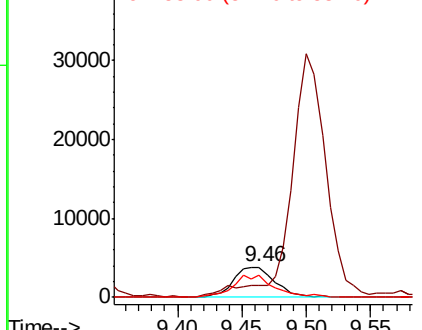


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.324 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009056.D

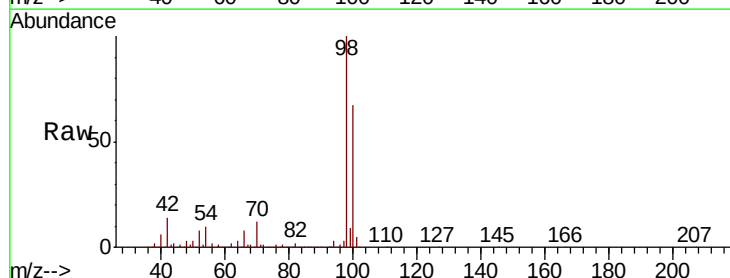
Acq: 08 Mar 2019 15:53

Tgt Ion: 98 Resp: 470622

Ion Ratio Lower Upper

98 100

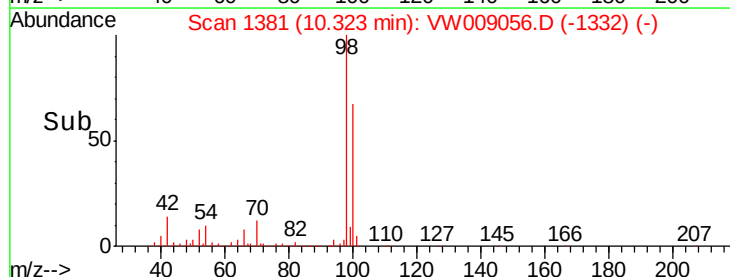
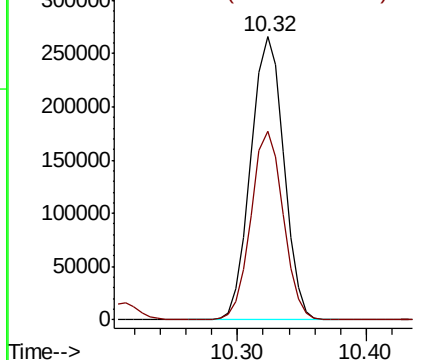
100 65.1 51.9 77.9

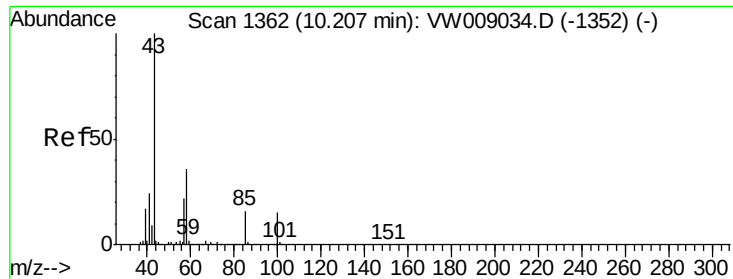


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

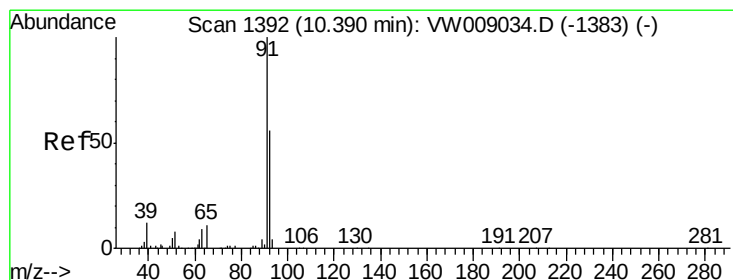
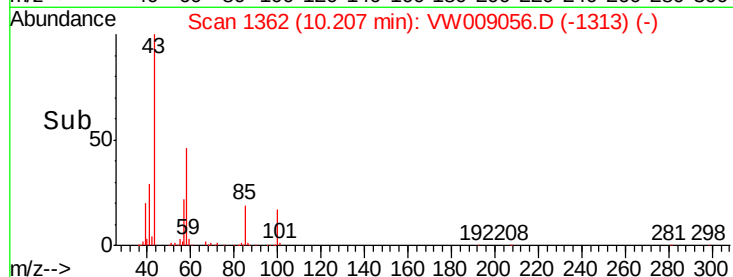
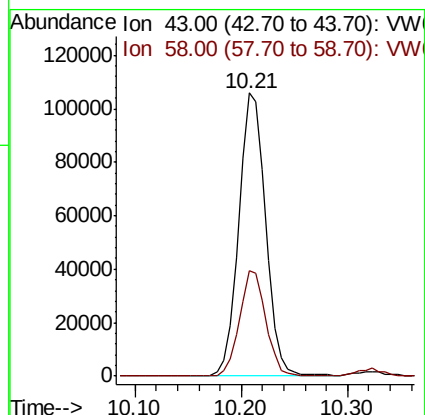
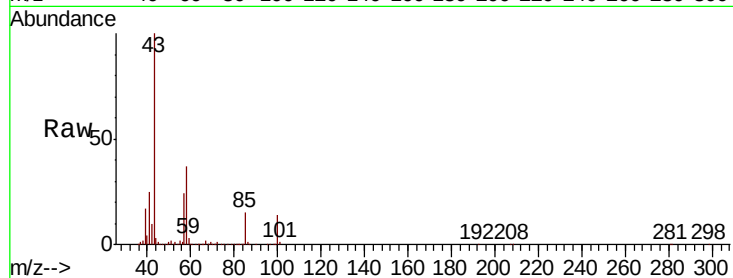




#51
 4-Methyl-2-Pentanone
 Concen: 104.379 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

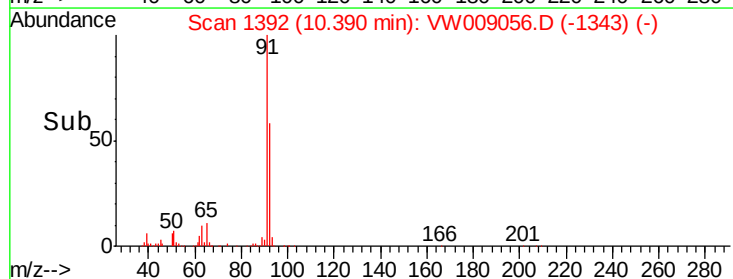
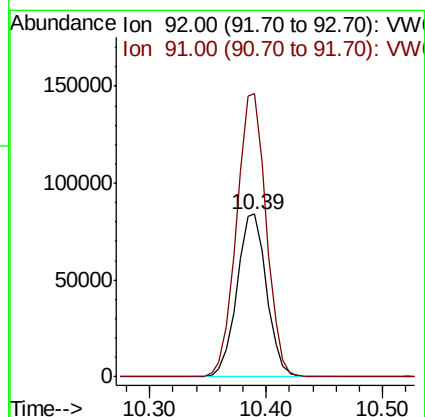
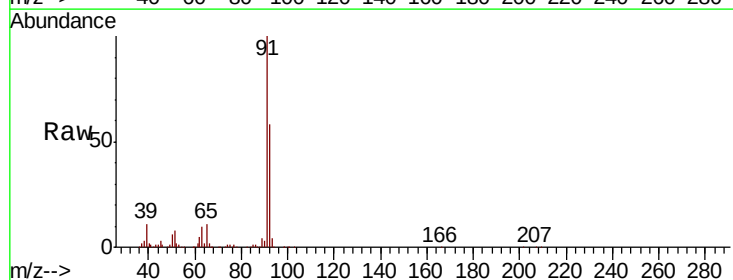
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0308SBSD01

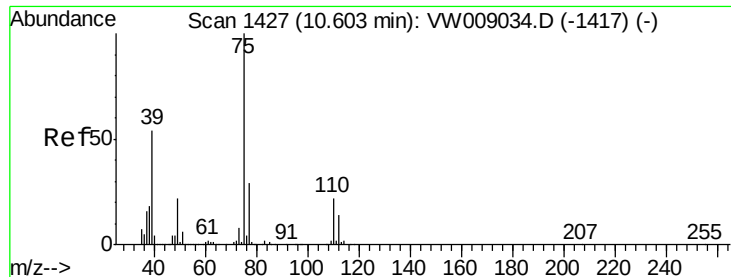
Tot Ion: 43 Resp: 187026
 Ion Ratio Lower Upper
 43 100
 58 36.6 28.8 43.2



#52
 Toluene
 Concen: 20.359 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

Tgt Ion: 92 Resp: 148699
 Ion Ratio Lower Upper
 92 100
 91 175.0 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 20.549 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

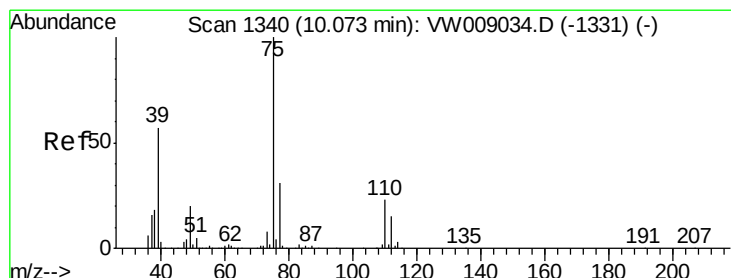
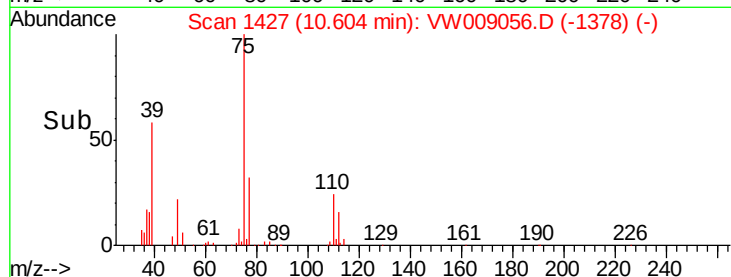
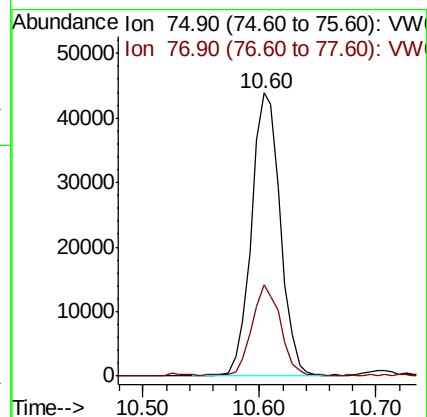
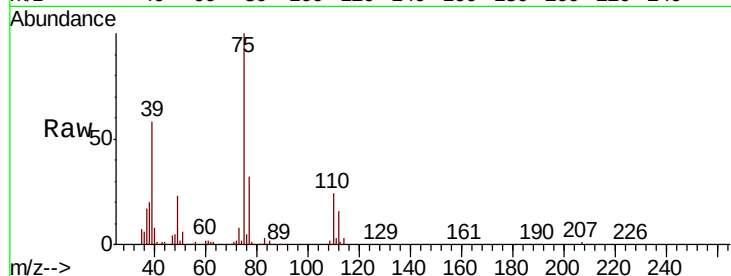
VW0308SBSD01

Tot Ion: 75 Resp: 75787

Ion Ratio Lower Upper

75 100

77 32.0 23.6 35.4



#54

cis-1,3-Dichloropropene

Concen: 20.900 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

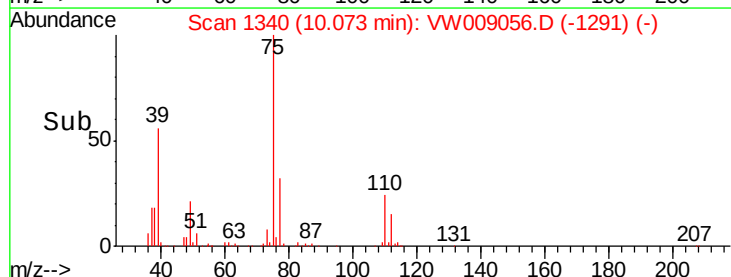
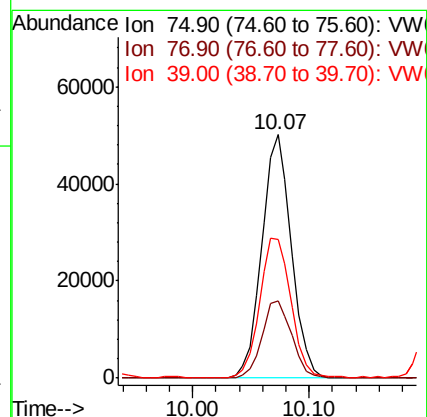
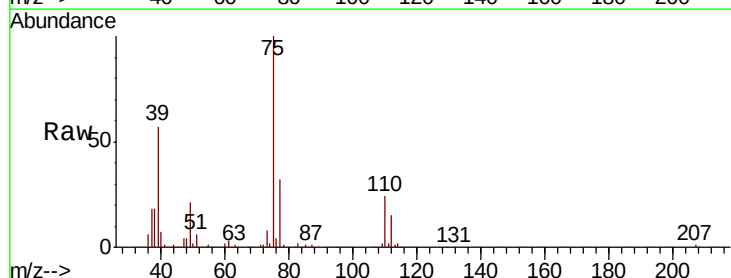
Tgt Ion: 75 Resp: 88581

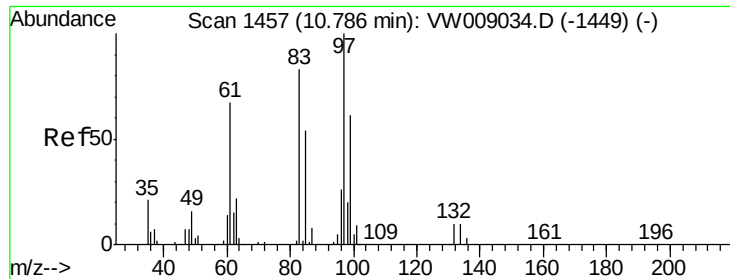
Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 56.5 45.9 68.9

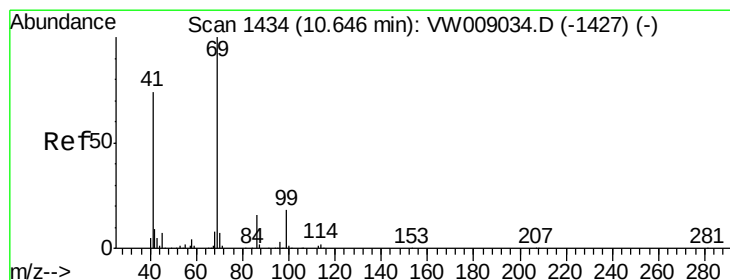
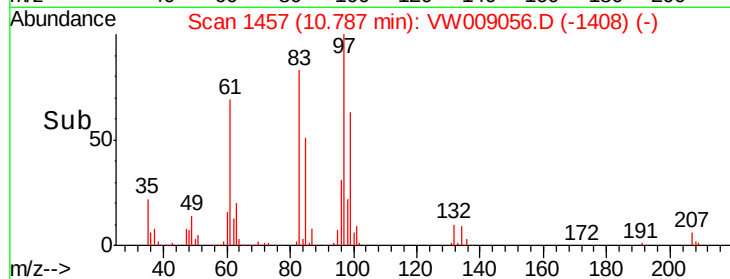
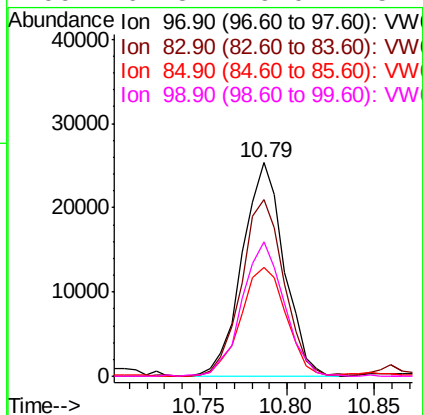
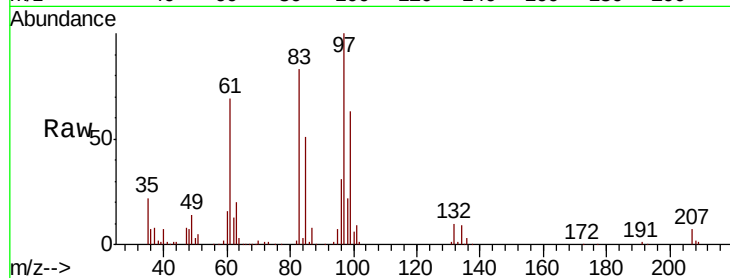




#55
 1,1,2-Trichloroethane
 Concen: 21.164 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

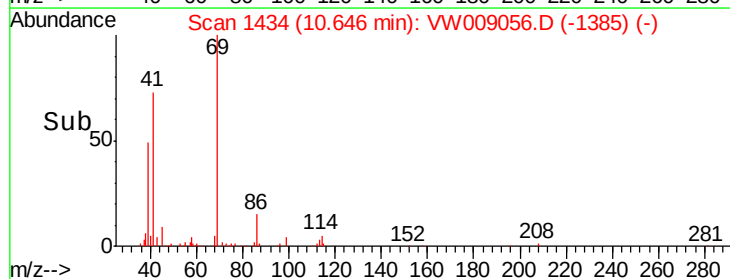
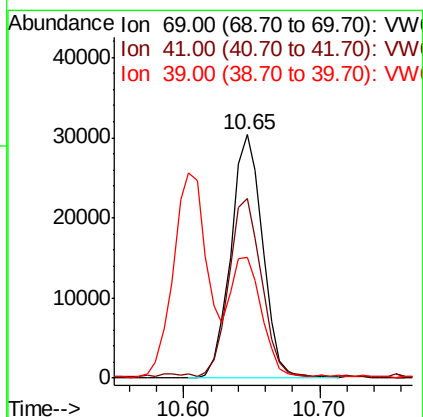
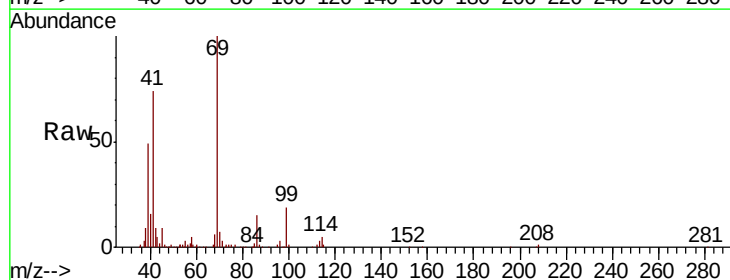
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0308SBSD01

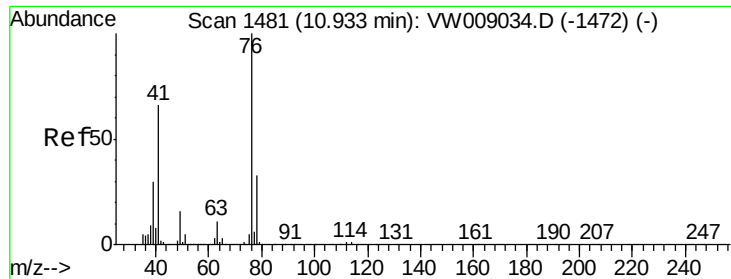
Tot Ion:	97	Resp:	42258
Ion	Ratio	Lower	Upper
97	100		
83	82.5	66.2	99.2
85	50.8	43.6	65.4
99	62.8	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 19.995 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

Tgt Ion:	69	Resp:	49548
Ion	Ratio	Lower	Upper
69	100		
41	74.0	59.4	89.2
39	47.1	38.5	57.7





#57

1,3-Dichloropropane

Concen: 21.188 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

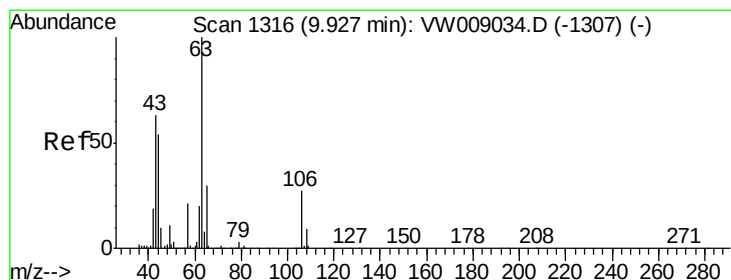
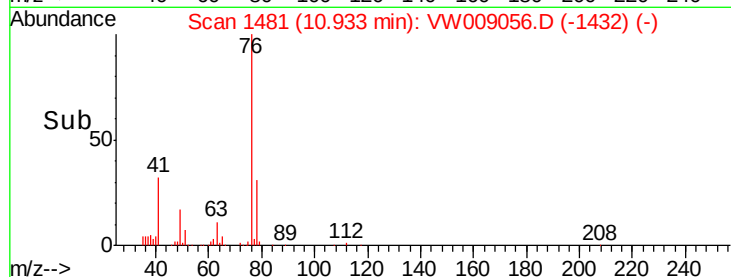
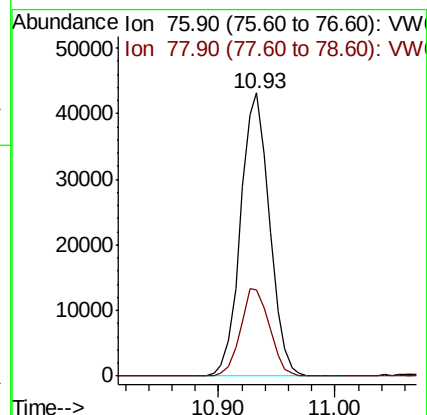
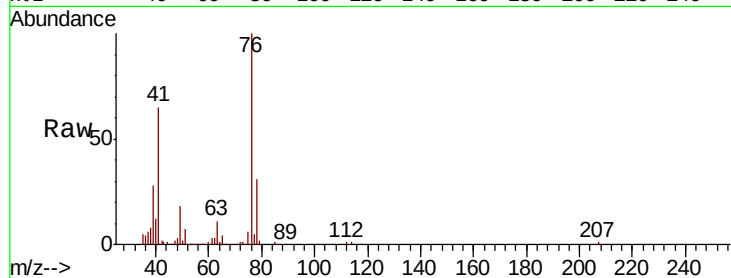
VW0308SBSD01

Tot Ion: 76 Resp: 74943

Ion Ratio Lower Upper

76 100

78 31.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 104.318 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW009056.D

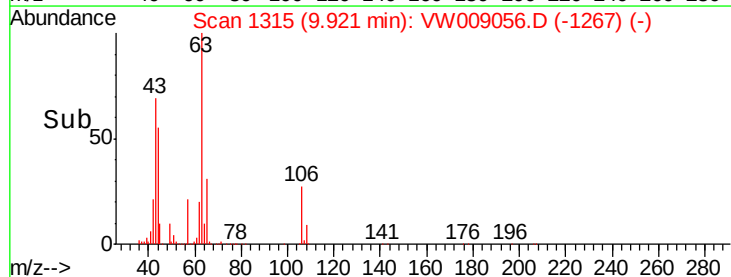
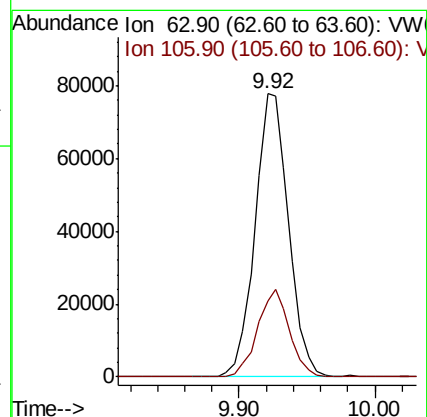
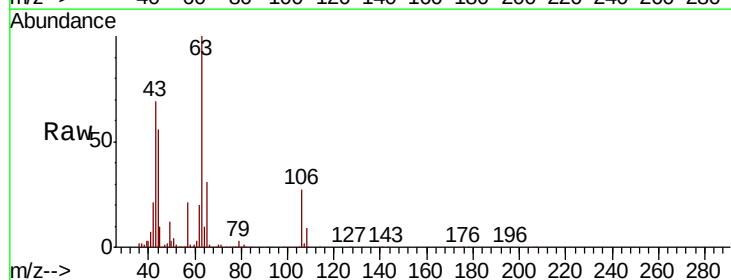
Acq: 08 Mar 2019 15:53

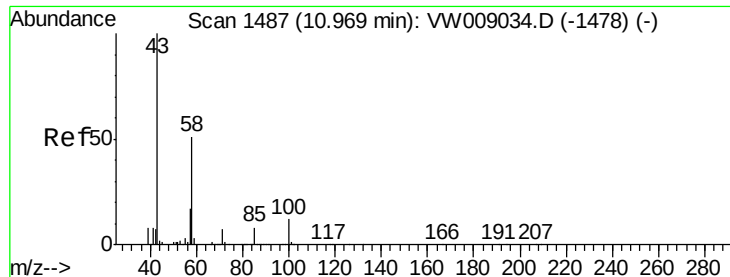
Tgt Ion: 63 Resp: 134010

Ion Ratio Lower Upper

63 100

106 29.6 23.0 34.6

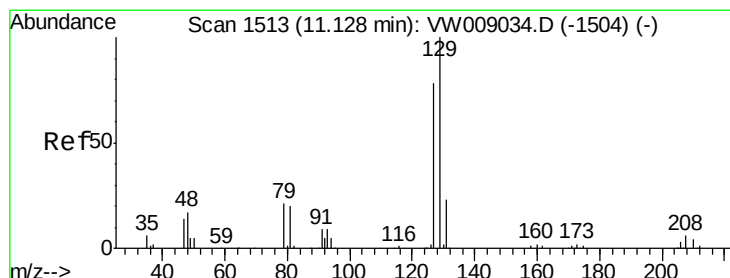
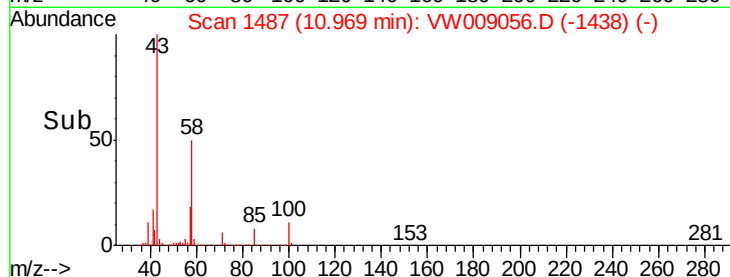
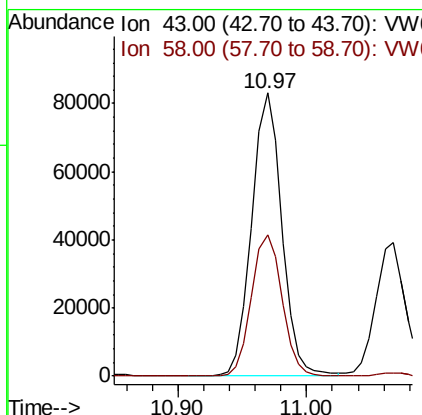
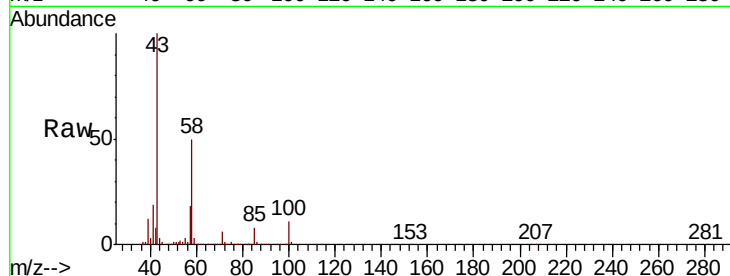




#59
2-Hexanone
Concen: 106.429 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

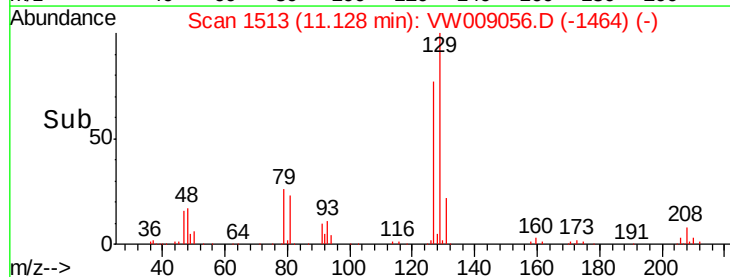
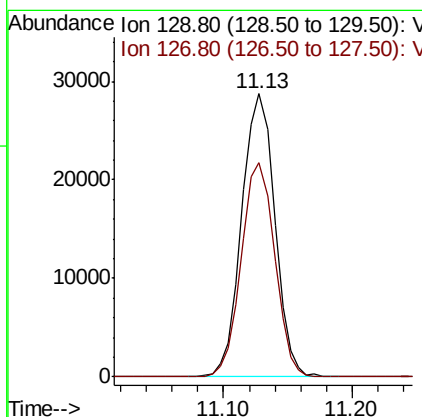
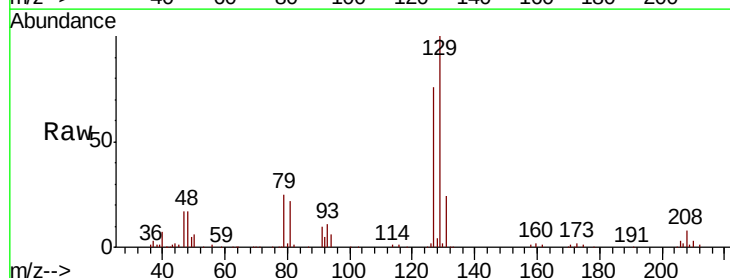
Instrument :
MSVOA_W
ClientSampleId :
VW0308SBSD01

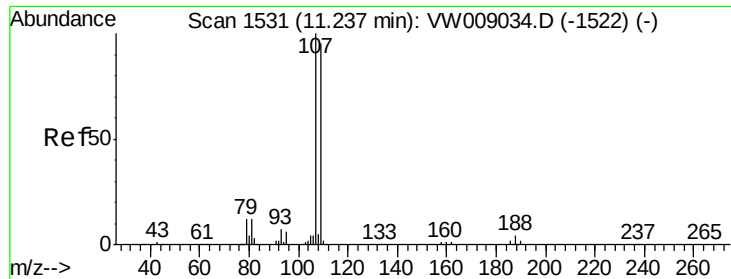
Tot Ion: 43 Resp: 134078
Ion Ratio Lower Upper
43 100
58 50.8 25.3 75.9



#60
Dibromochloromethane
Concen: 20.738 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Tgt Ion: 129 Resp: 51242
Ion Ratio Lower Upper
129 100
127 76.3 38.4 115.1

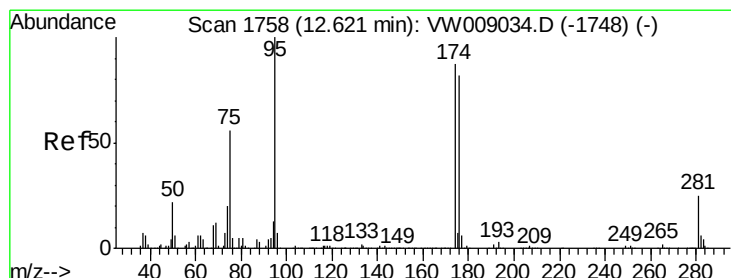
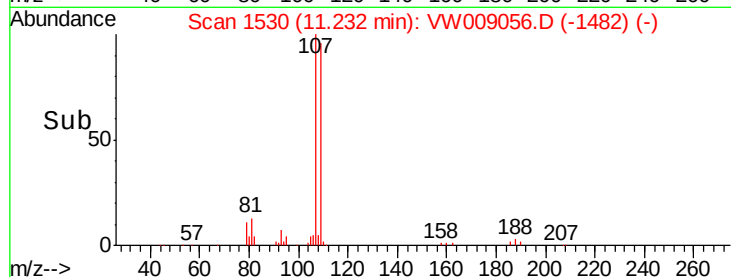
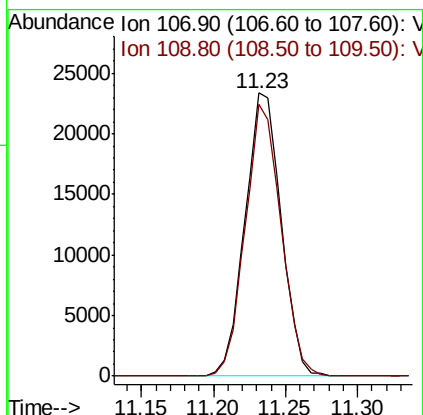
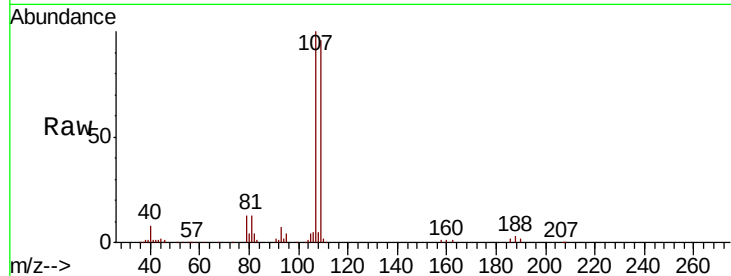




#61
 1,2-Dibromoethane
 Concen: 20.690 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

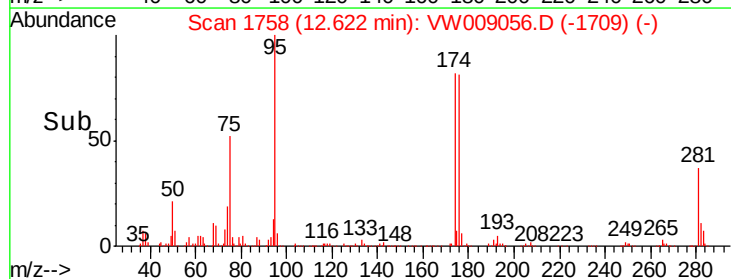
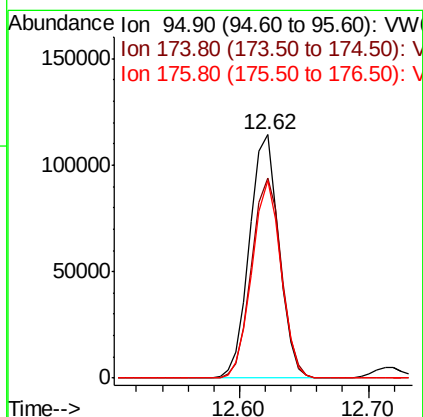
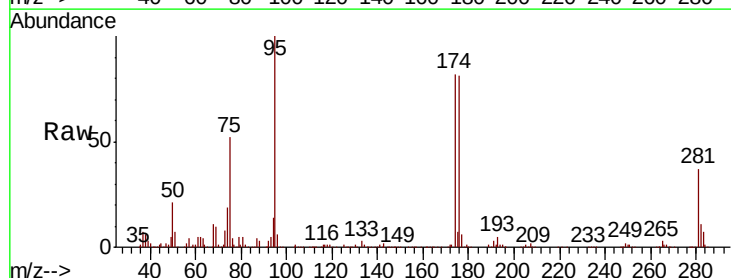
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0308SBS01

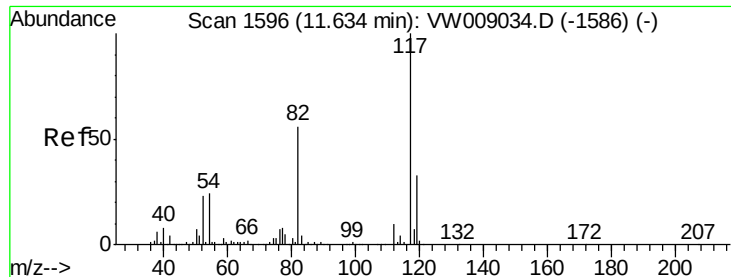
Tot Ion: 107 Resp: 40498
 Ion Ratio Lower Upper
 107 100
 109 95.0 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 47.817 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

Tgt Ion: 95 Resp: 179607
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 167.0
 176 80.5 0.0 159.4

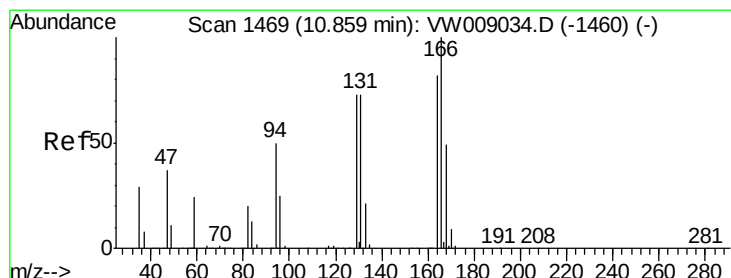
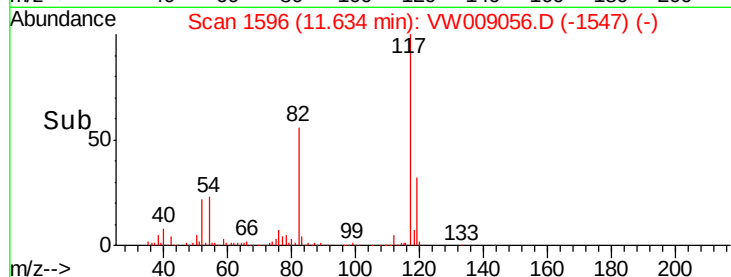
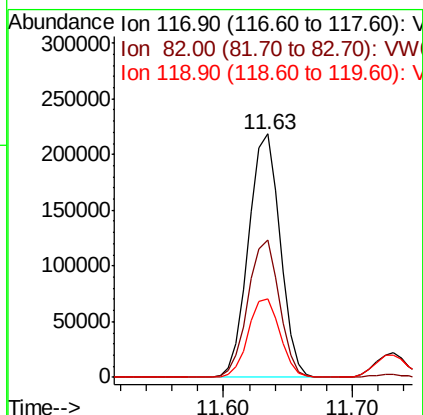
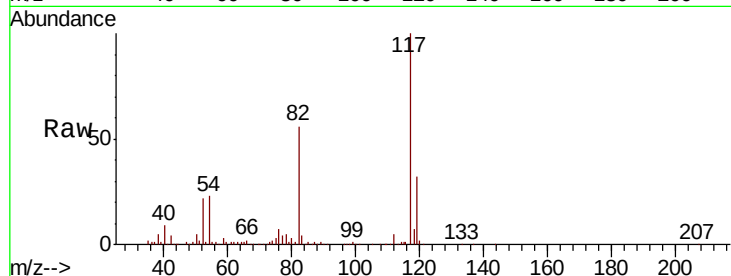




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

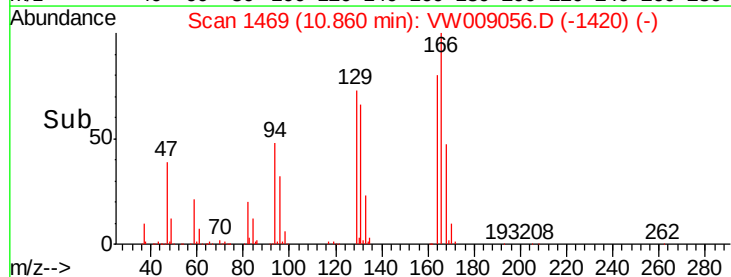
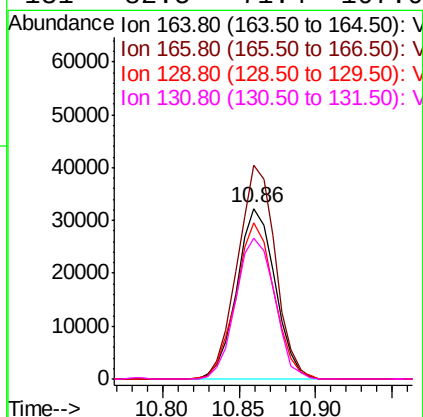
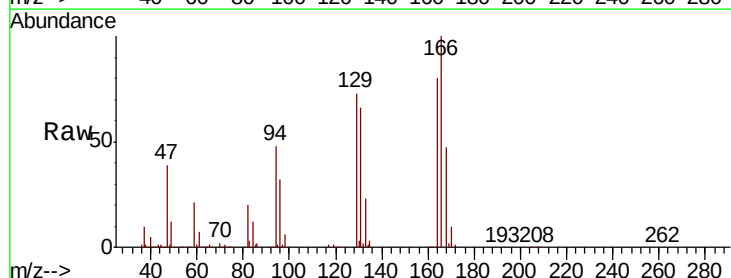
Instrument :
MSVOA_W
ClientSampleId :
VW0308SBS01

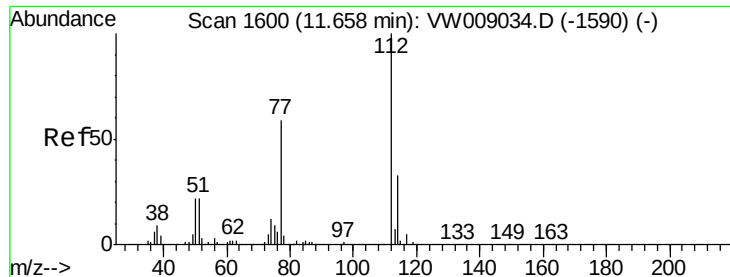
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.0	67.6
119	32.2	26.6	39.8



#64
Tetrachloroethene
Concen: 20.964 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	97.8	146.6
129	91.9	71.6	107.4
131	82.5	71.4	107.0





#65

Chlorobenzene

Concen: 20.400 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

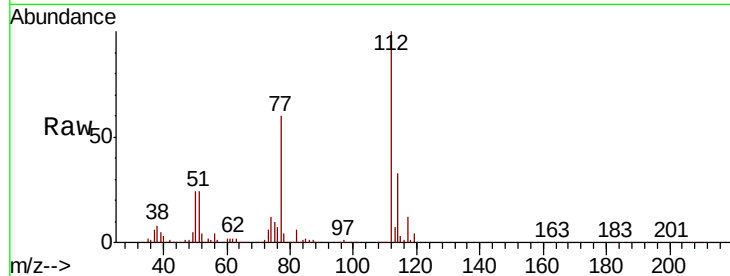
VW0308SBSD01

Tot Ion:112 Resp: 164125

Ion Ratio Lower Upper

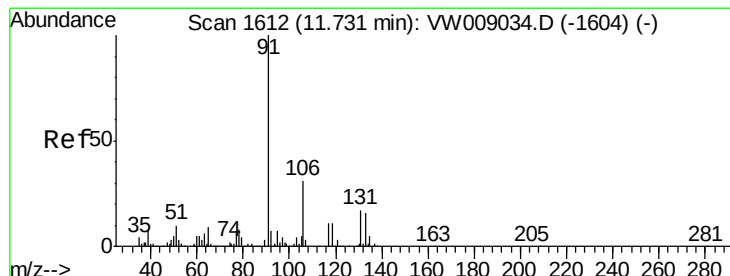
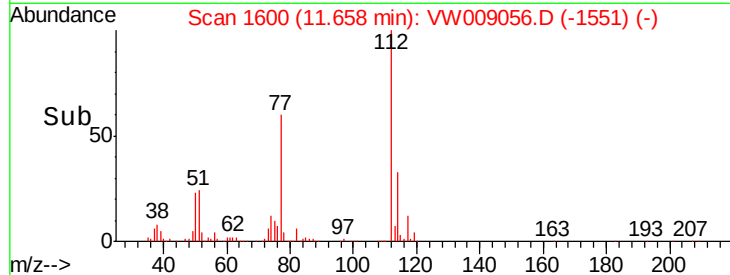
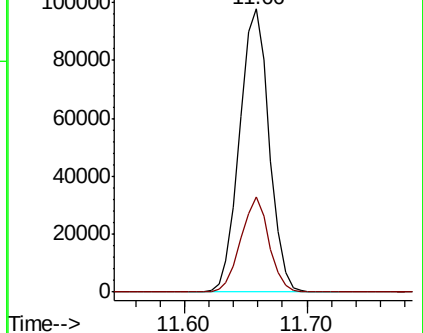
112 100

114 33.4 26.6 40.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.853 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

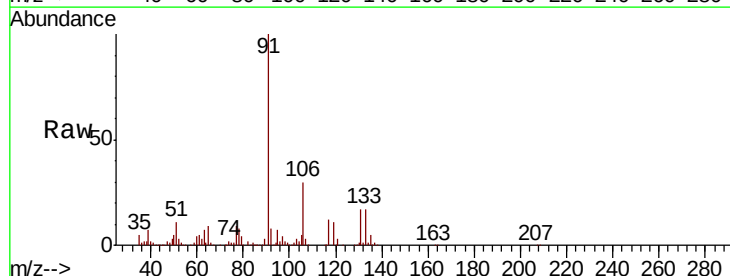
Tgt Ion:131 Resp: 56018

Ion Ratio Lower Upper

131 100

133 95.8 47.6 142.8

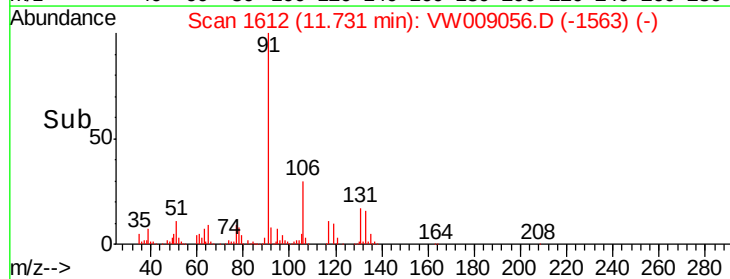
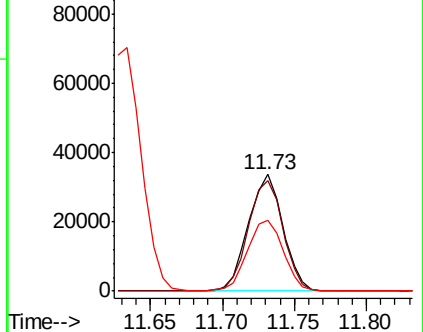
119 63.6 31.3 93.8

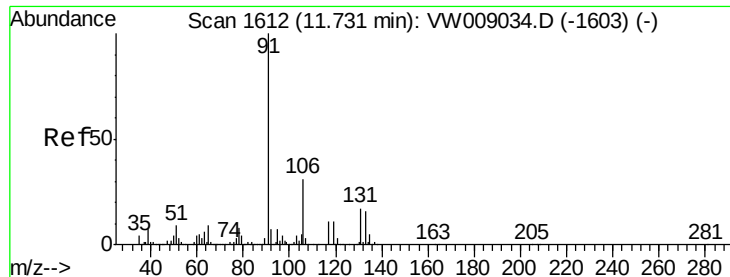


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.648 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

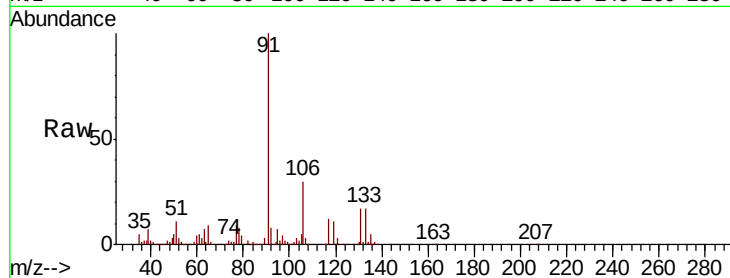
VW0308SBSD01

Tot Ion: 91 Resp: 300097

Ion Ratio Lower Upper

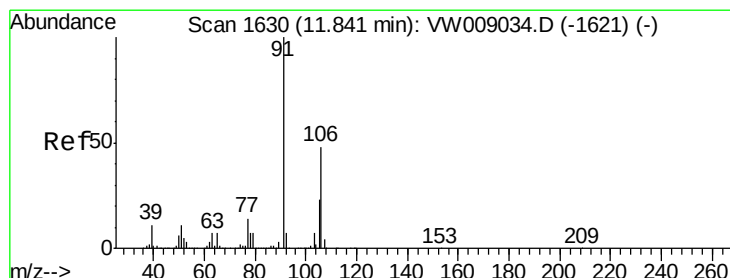
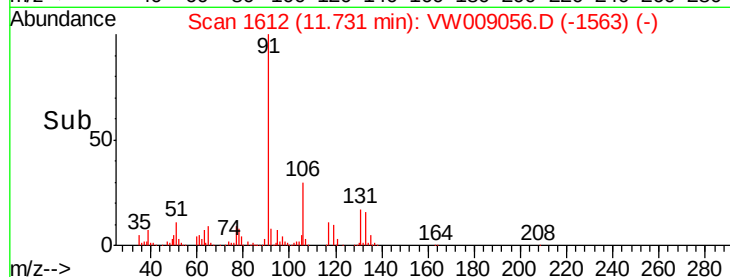
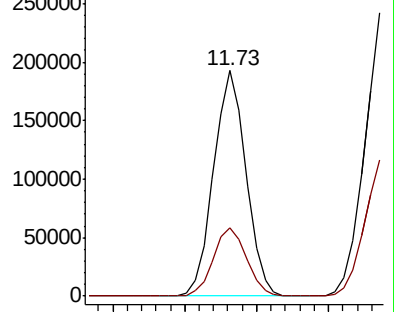
91 100

106 30.2 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.408 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009056.D

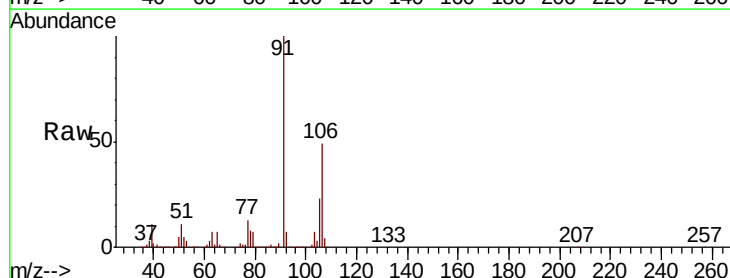
Acq: 08 Mar 2019 15:53

Tgt Ion: 106 Resp: 237552

Ion Ratio Lower Upper

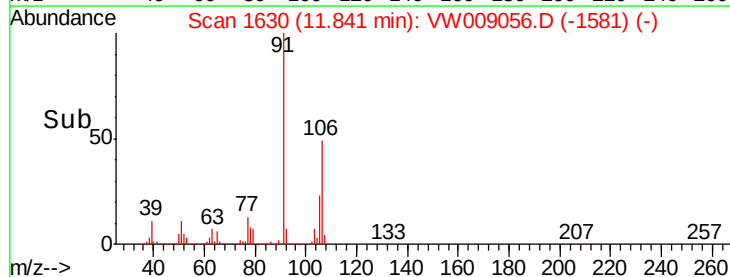
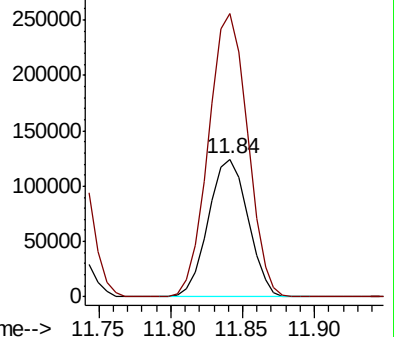
106 100

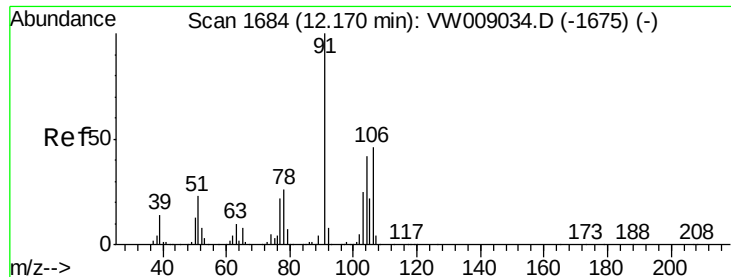
91 203.5 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#69

o-Xylene

Concen: 20.493 ug/l

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

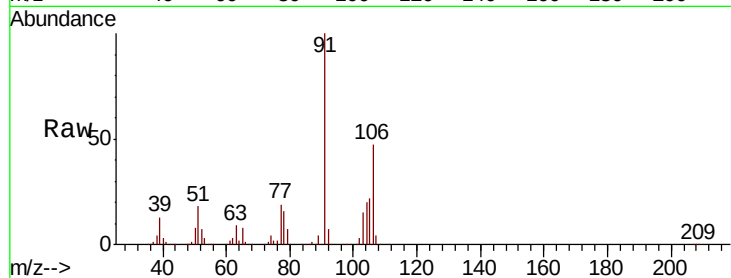
VW0308SBSD01

Tot Ion:106 Resp: 109388

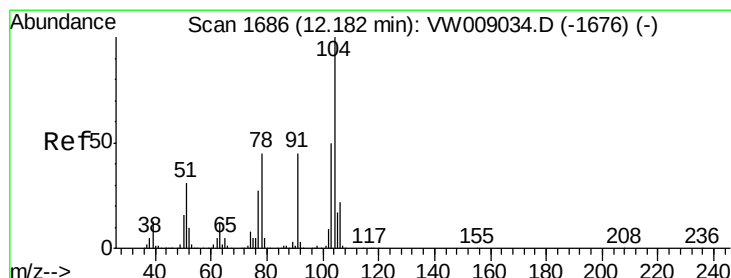
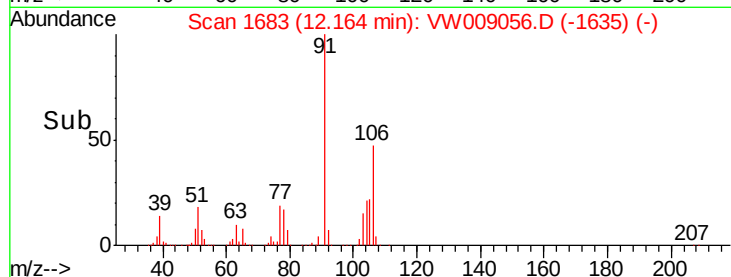
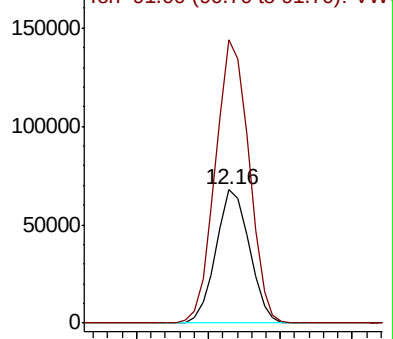
Ion Ratio Lower Upper

106 100

91 212.8 108.6 325.6



Abundance Ion 106.00 (105.70 to 106.70): V



#70

Styrene

Concen: 20.186 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

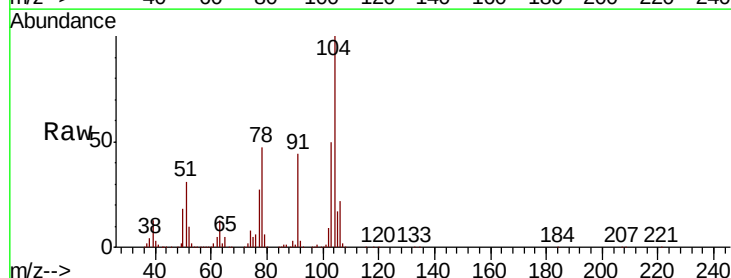
Tgt Ion:104 Resp: 174334

Ion Ratio Lower Upper

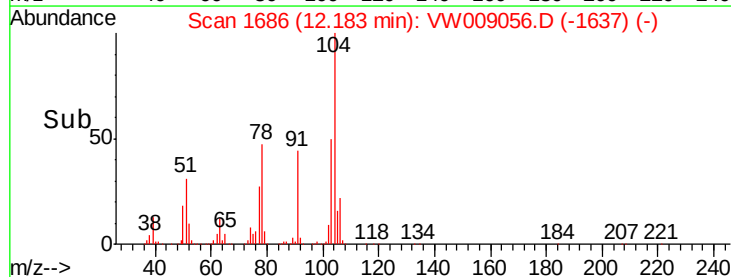
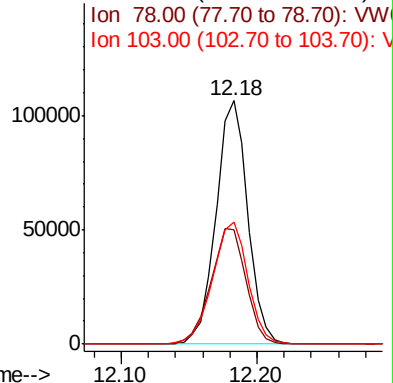
104 100

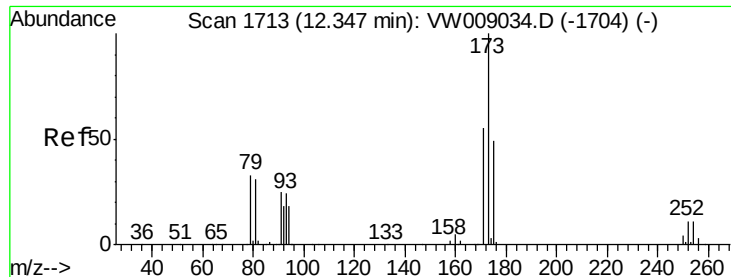
78 52.5 42.1 63.1

103 55.7 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V

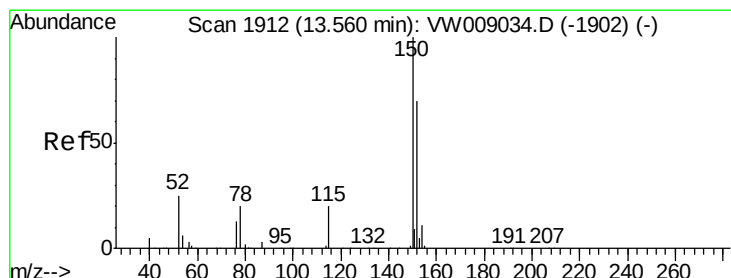
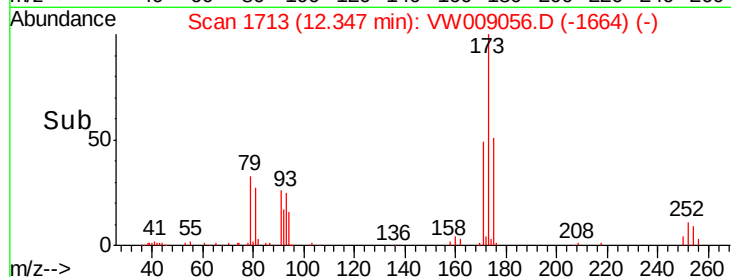
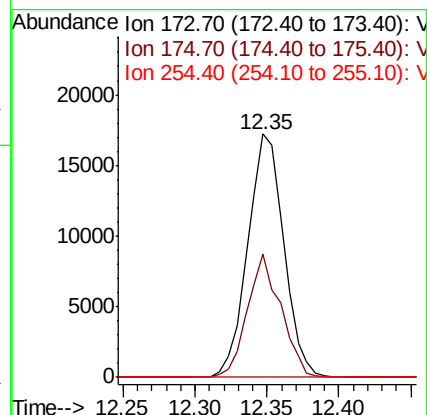
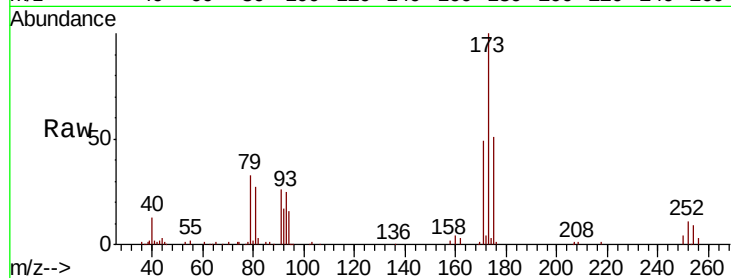




#71
Bromoform
Concen: 20.588 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

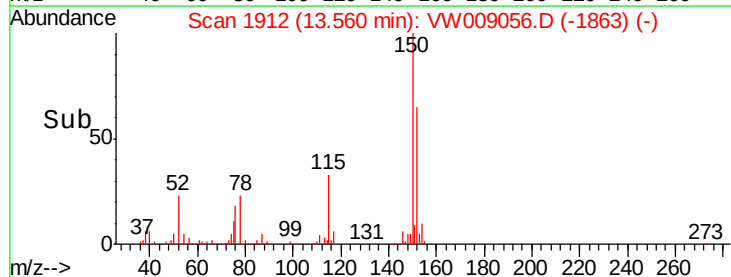
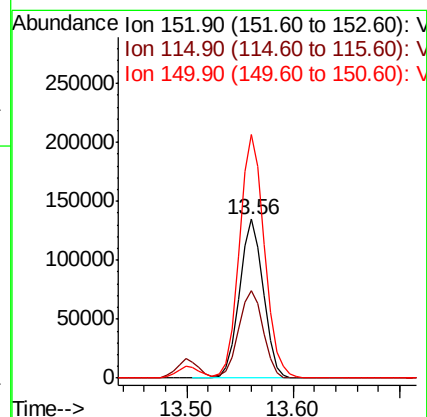
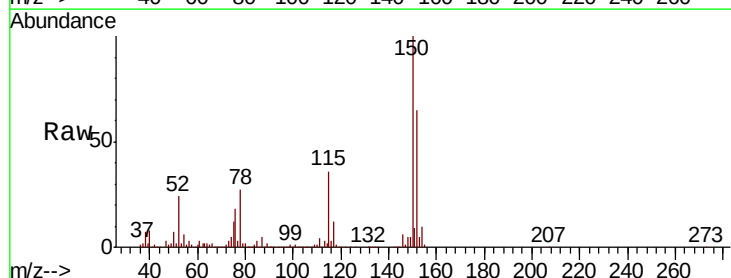
Instrument :
MSVOA_W
ClientSampleId :
VW0308SBSD01

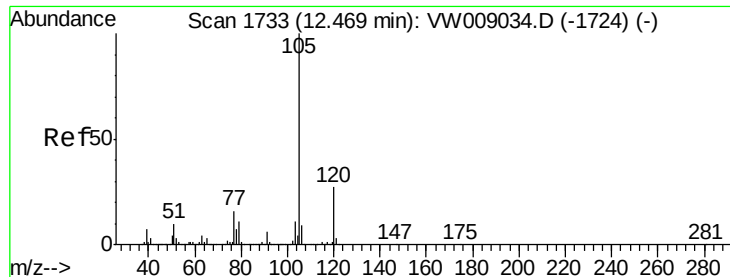
Tot Ion:173 Resp: 29695
Ion Ratio Lower Upper
173 100
175 47.1 24.6 74.0
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Tgt Ion:152 Resp: 211477
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 161.0 0.0 349.2





#73

Isopropylbenzene

Concen: 19.871 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

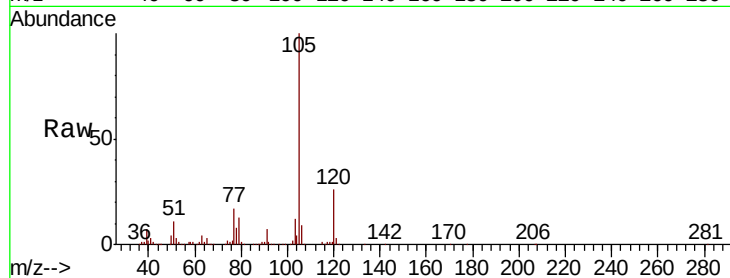
VW0308SBSD01

Tot Ion:105 Resp: 300931

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

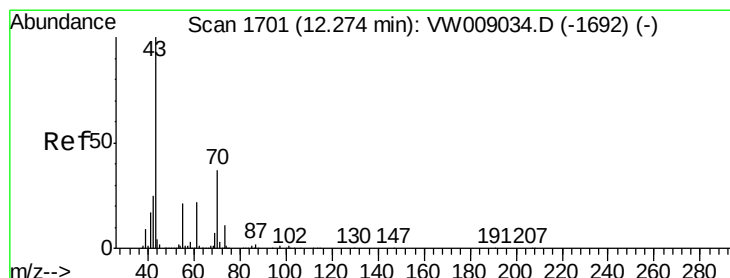
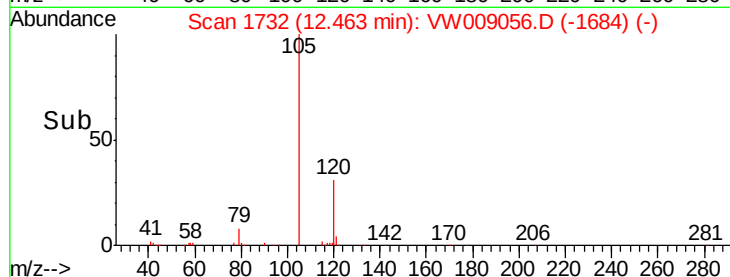
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 19.947 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Tgt Ion: 43 Resp: 71512

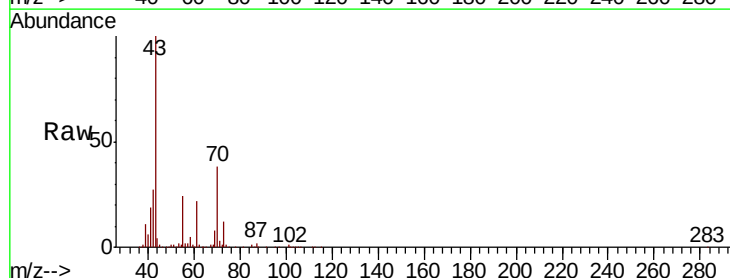
Ion Ratio Lower Upper

43 100

70 38.7 30.8 46.2

55 23.4 17.8 26.8

61 21.5 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

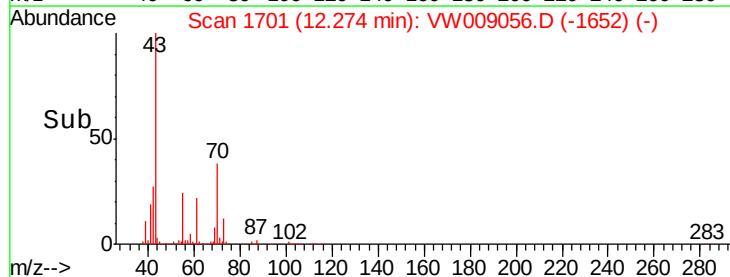
40000

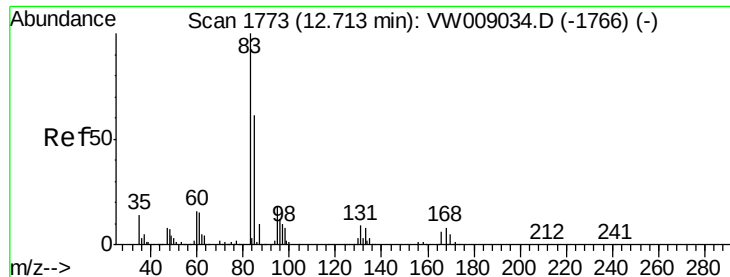
20000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.922 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

VW0308SBSD01

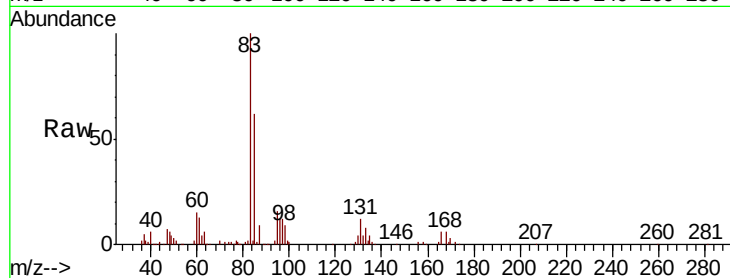
Tot Ion: 83 Resp: 49980

Ion Ratio Lower Upper

83 100

131 11.7 5.5 16.7

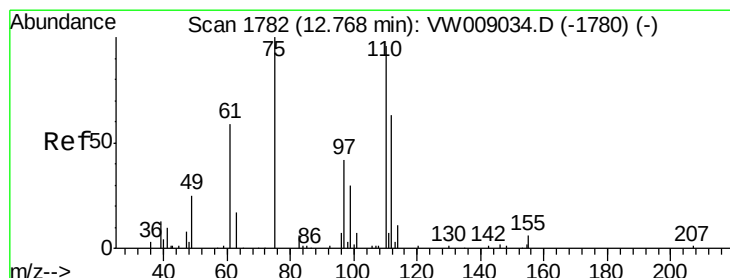
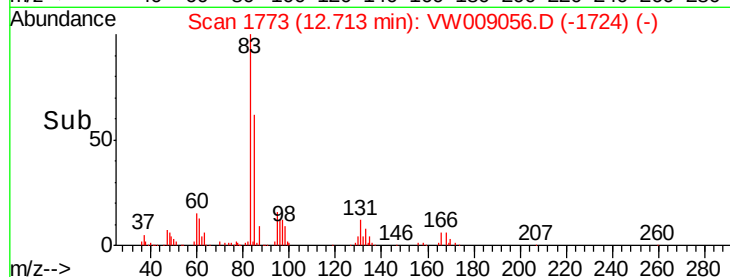
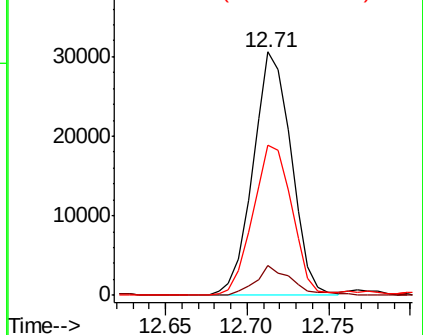
85 63.5 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 41.161 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009056.D

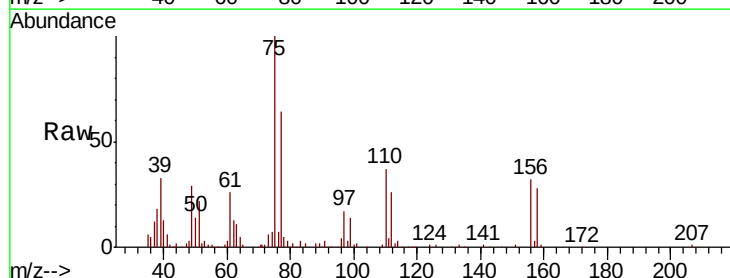
Acq: 08 Mar 2019 15:53

Tgt Ion: 75 Resp: 68774

Ion Ratio Lower Upper

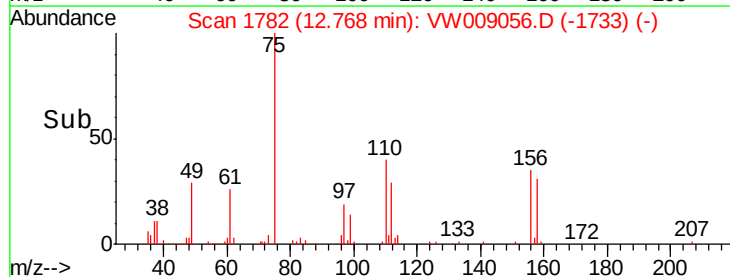
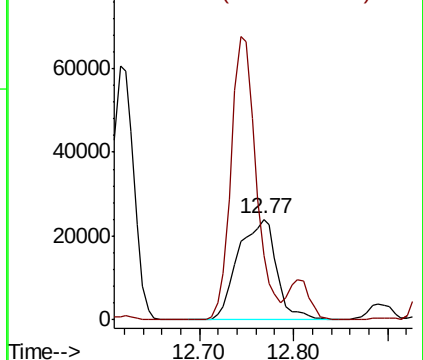
75 100

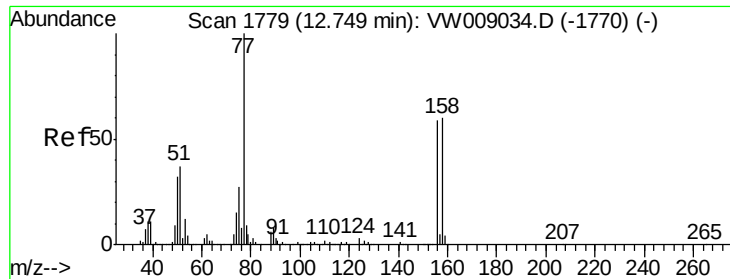
77 0.0 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.177 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

VW0308SBSD01

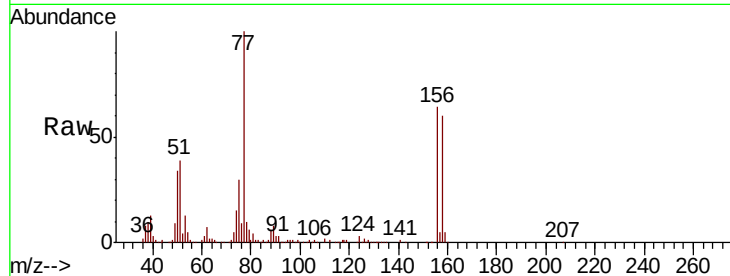
Tot Ion:156 Resp: 69816

Ion Ratio Lower Upper

156 100

77 180.6 93.0 279.2

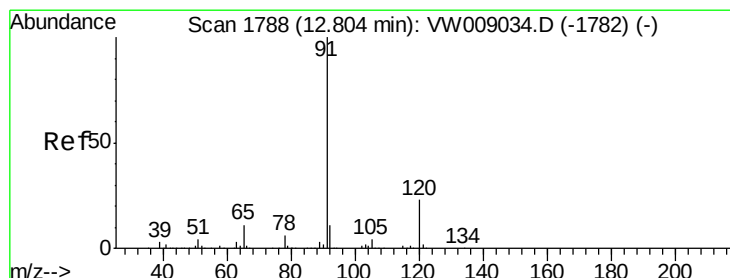
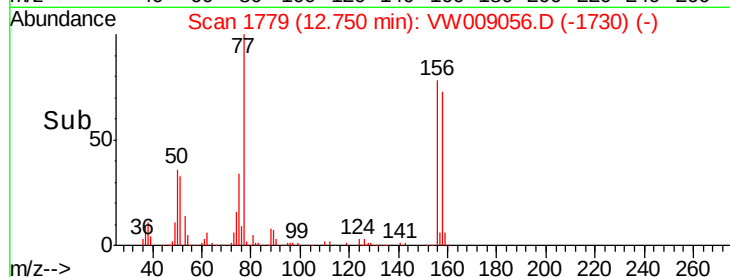
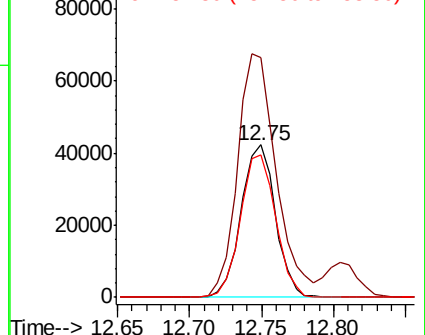
158 96.1 50.0 149.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.092 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009056.D

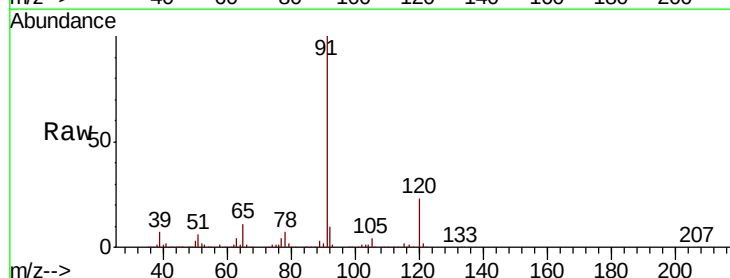
Acq: 08 Mar 2019 15:53

Tgt Ion: 91 Resp: 374793

Ion Ratio Lower Upper

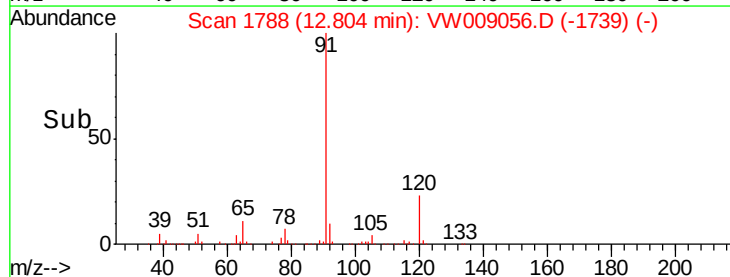
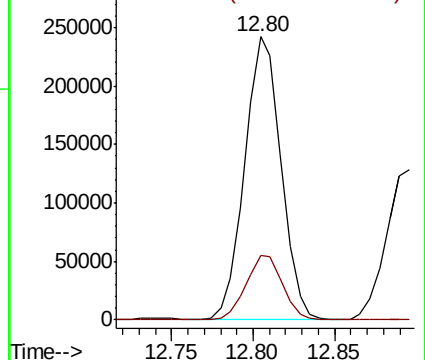
91 100

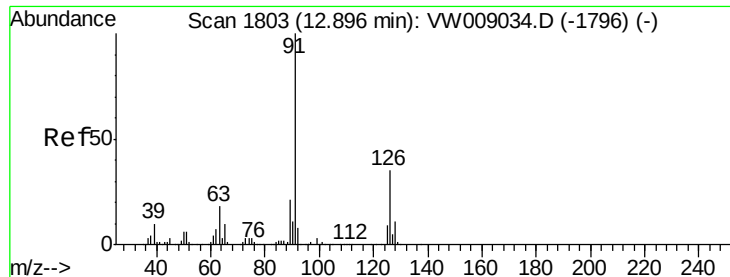
120 22.9 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.910 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

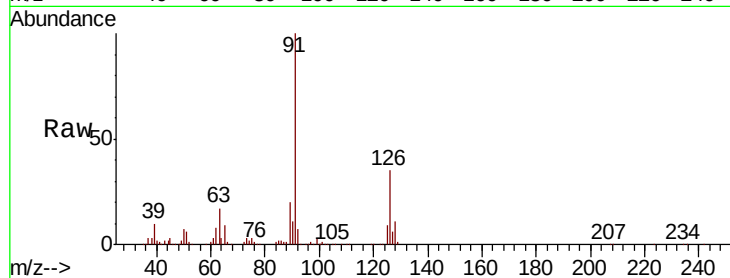
VW0308SBSD01

Tot Ion: 91 Resp: 208664

Ion Ratio Lower Upper

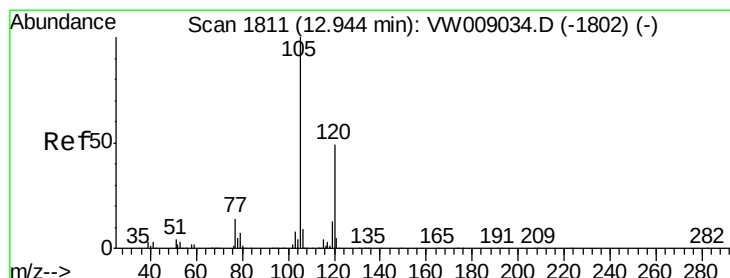
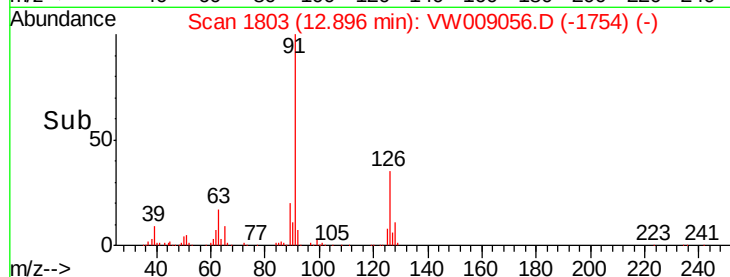
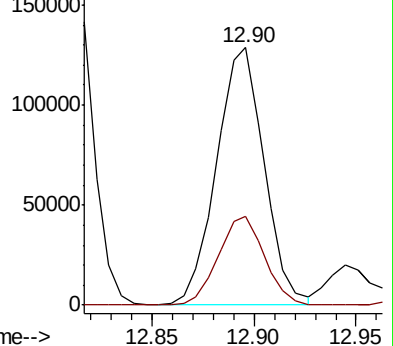
91 100

126 33.9 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.040 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009056.D

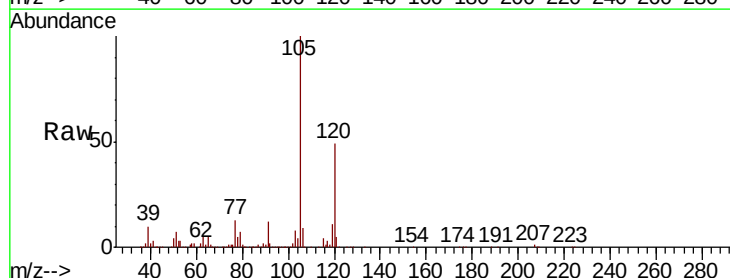
Acq: 08 Mar 2019 15:53

Tgt Ion:105 Resp: 261599

Ion Ratio Lower Upper

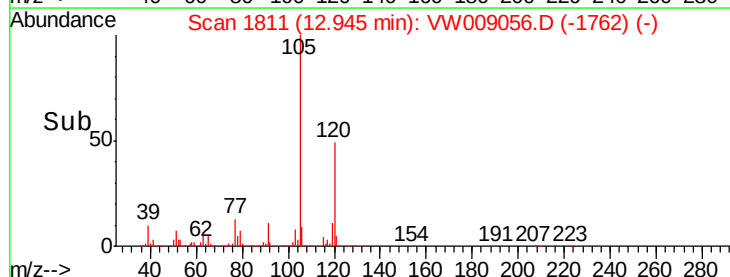
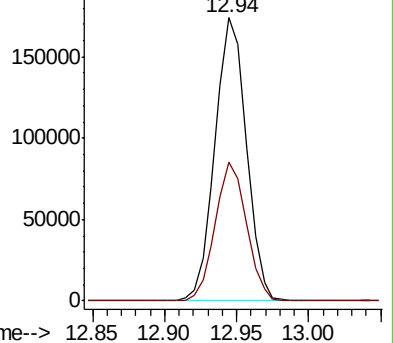
105 100

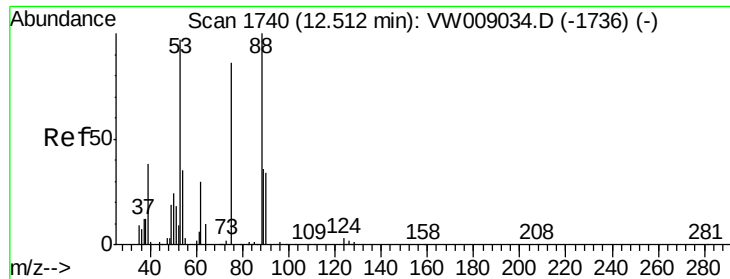
120 49.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.523 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

VW0308SBSD01

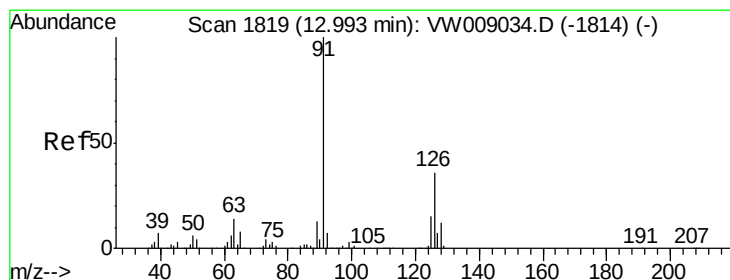
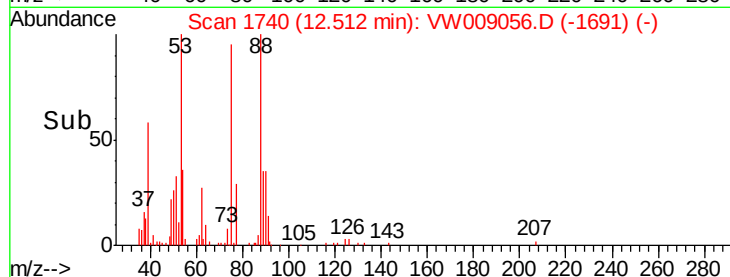
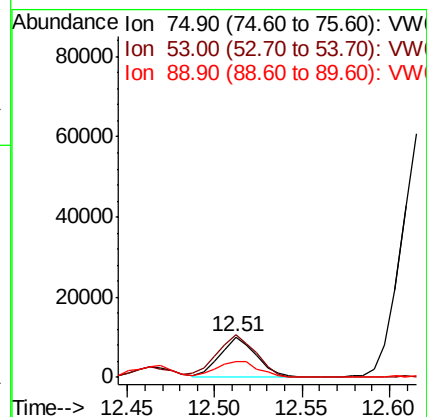
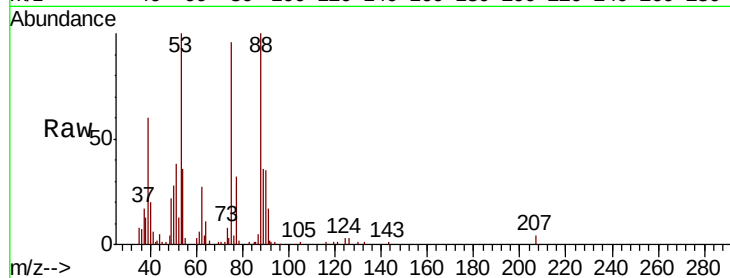
Tot Ion: 75 Resp: 14584

Ion Ratio Lower Upper

75 100

53 113.4 90.5 135.7

89 46.0 37.5 56.3



#82

4-Chlorotoluene

Concen: 20.104 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW009056.D

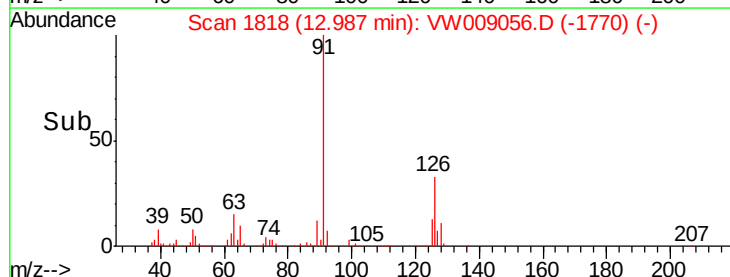
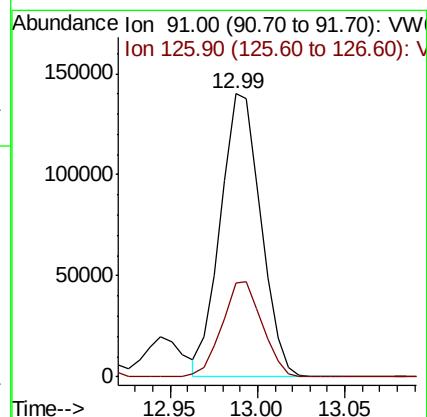
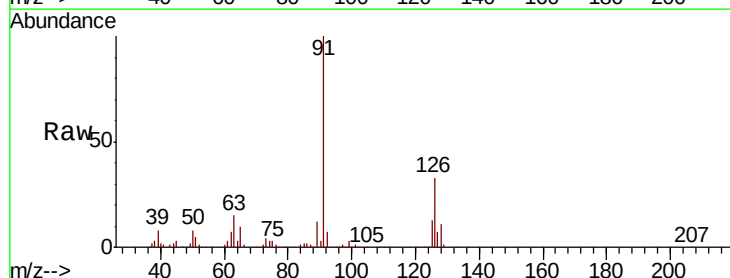
Acq: 08 Mar 2019 15:53

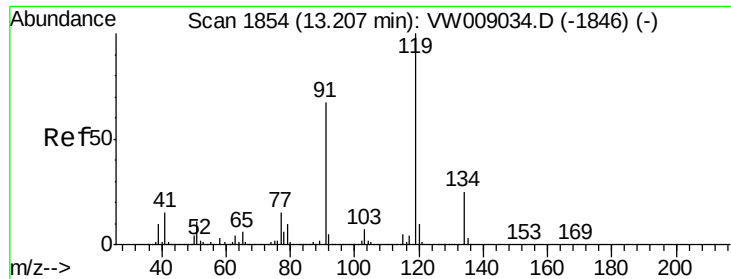
Tgt Ion: 91 Resp: 224602

Ion Ratio Lower Upper

91 100

126 33.8 16.6 49.8

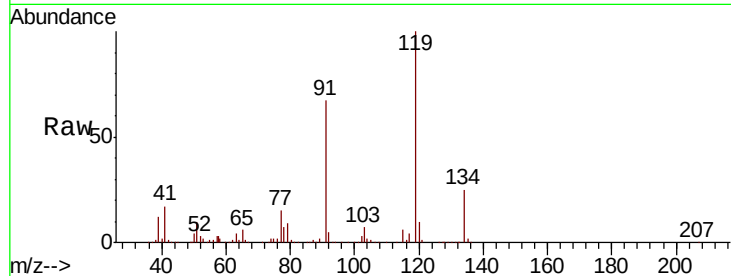




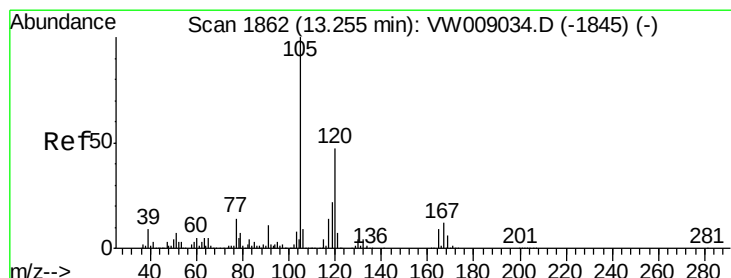
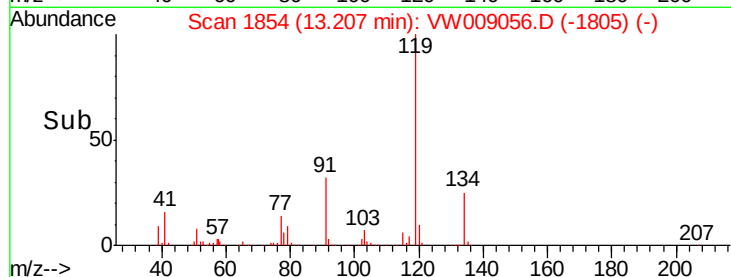
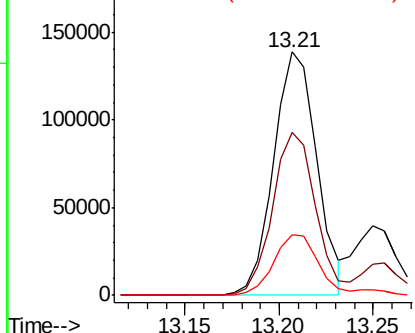
#83
tert-Butylbenzene
Concen: 20.051 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Instrument :
MSVOA_W
ClientSampled :
VW0308SBS01

Tot Ion:119 Resp: 220758
Ion Ratio Lower Upper
119 100
91 67.3 34.2 102.5
134 27.6 13.9 41.6

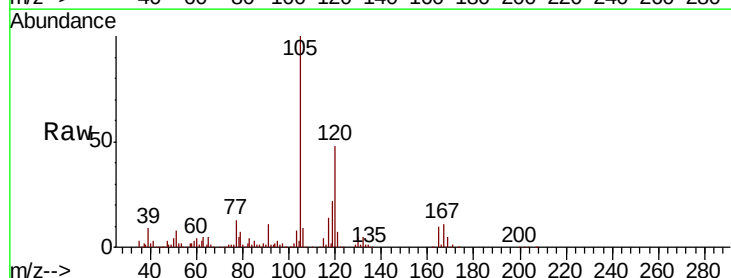


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

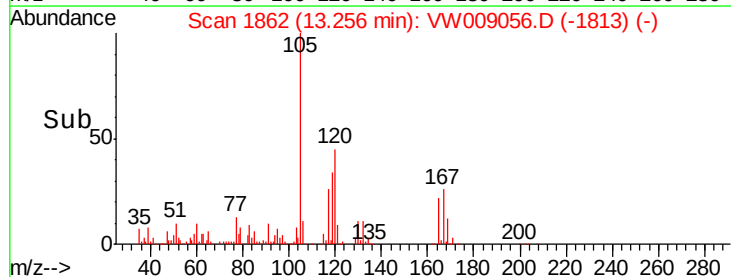
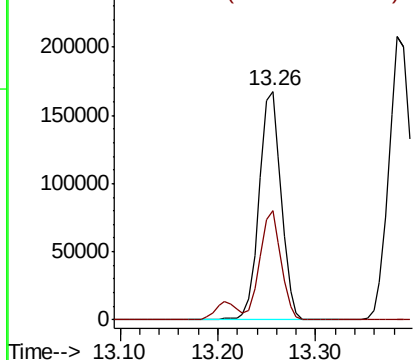


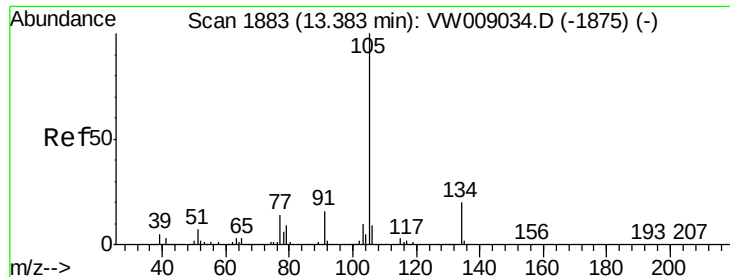
#84
1,2,4-Trimethylbenzene
Concen: 19.787 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Tgt Ion:105 Resp: 261296
Ion Ratio Lower Upper
105 100
120 45.9 22.8 68.4



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





#85

sec-Butylbenzene

Concen: 19.993 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

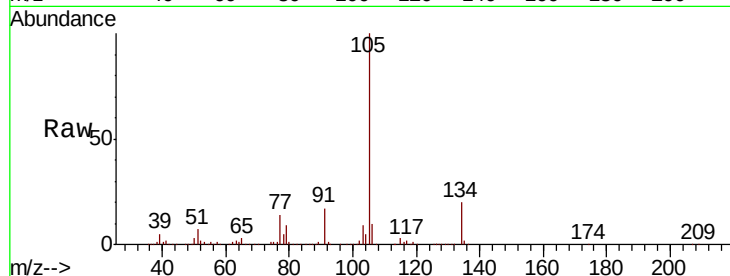
VW0308SBSD01

Tot Ion:105 Resp: 326124

Ion Ratio Lower Upper

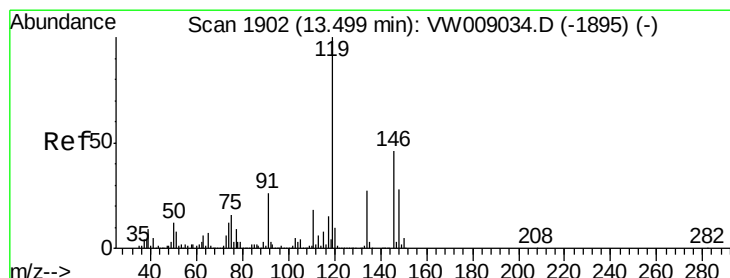
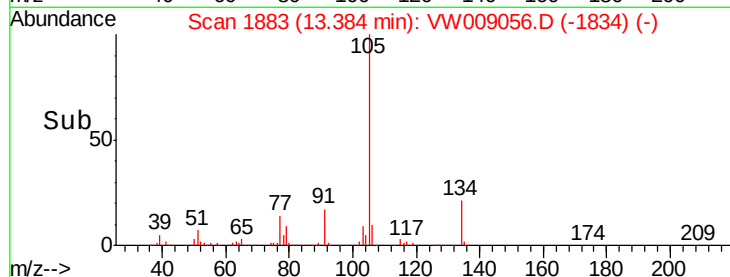
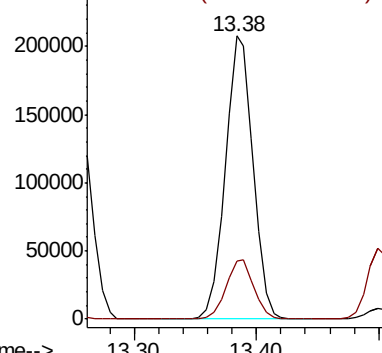
105 100

134 21.0 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.895 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

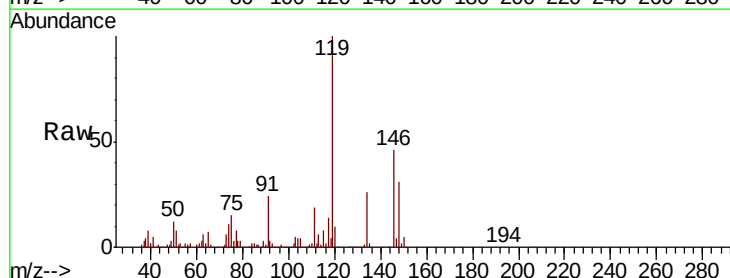
Tgt Ion:119 Resp: 290314

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

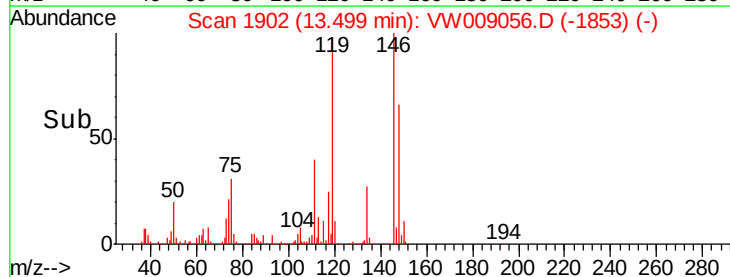
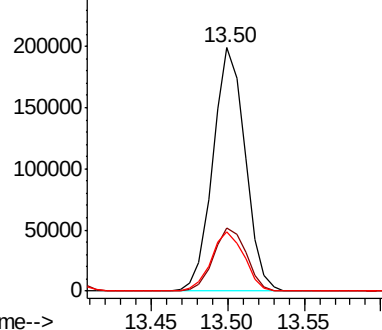
91 24.9 12.3 36.9

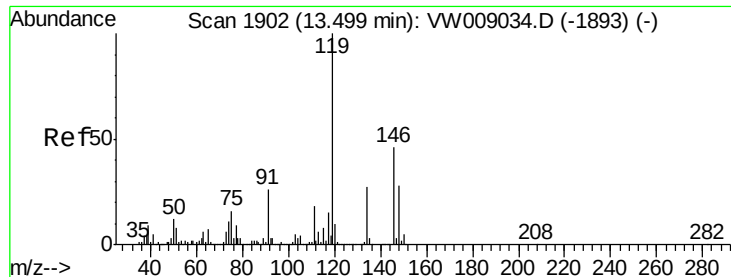


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VW

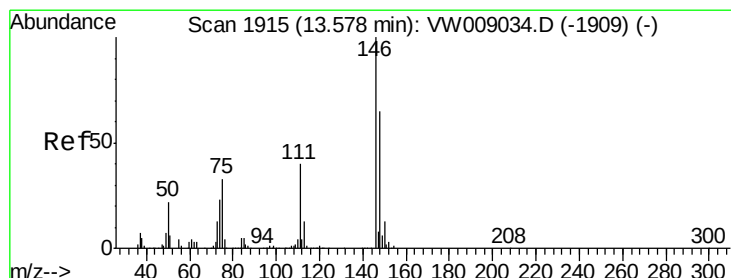
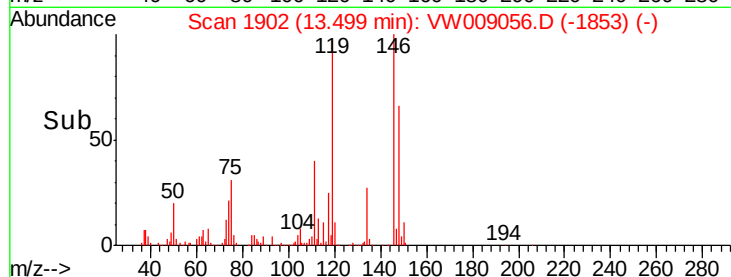
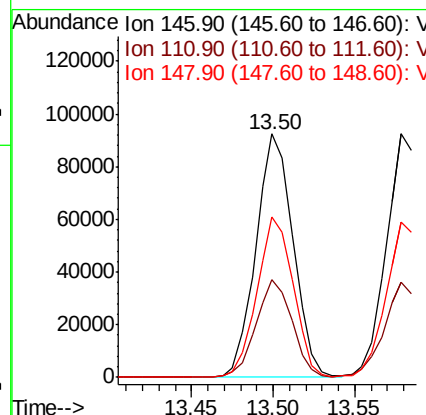
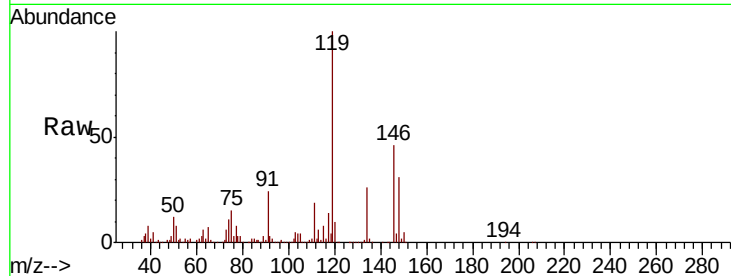




#87
 1,3-Dichlorobenzene
 Concen: 20.196 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

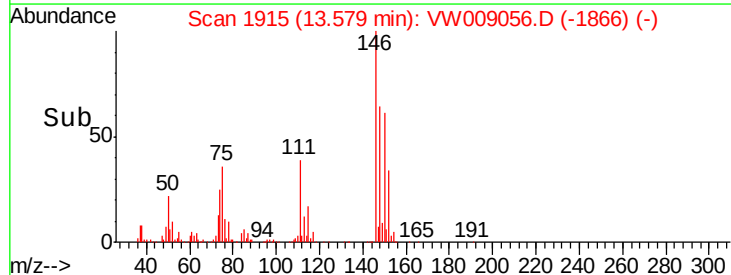
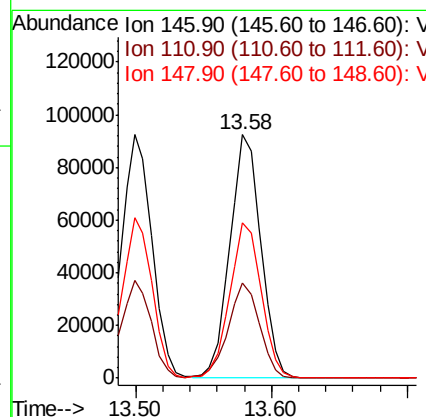
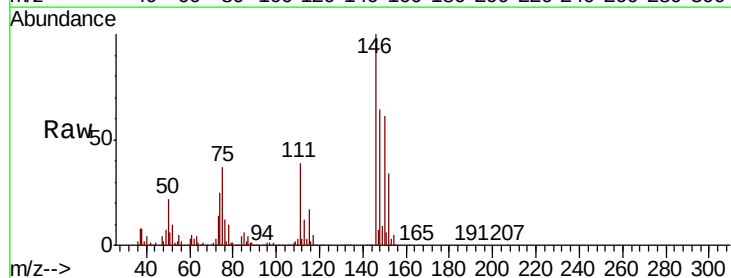
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0308SBSD01

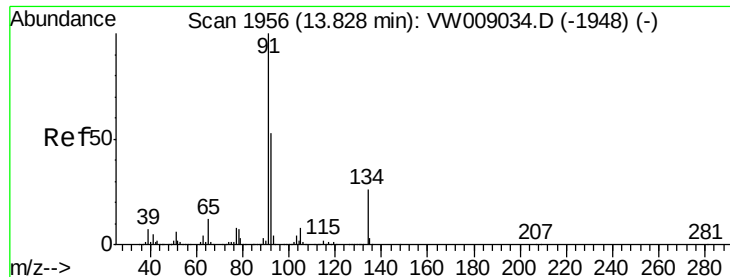
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.8	59.4
148	64.2	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 20.419 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	64.7	32.2	96.6





#89

n-Butylbenzene

Concen: 19.812 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009056.D

Acq: 08 Mar 2019 15:53

Instrument :

MSVOA_W

ClientSampleId :

VW0308SBS01

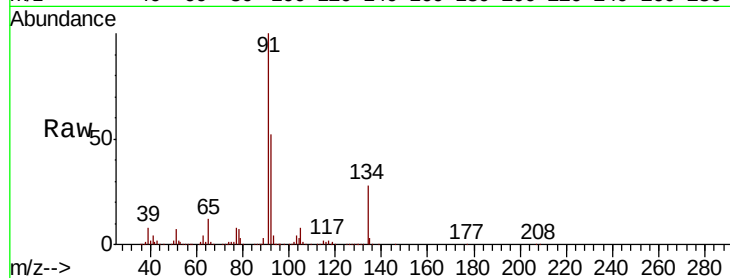
Tot Ion: 91 Resp: 274841

Ion Ratio Lower Upper

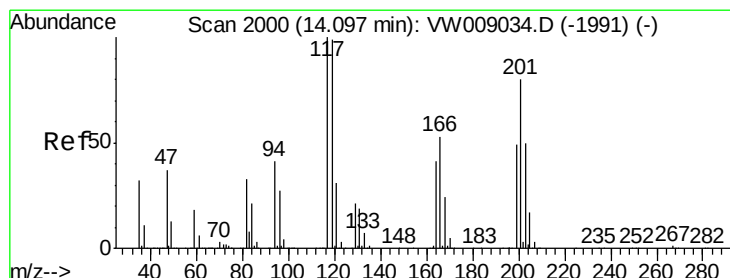
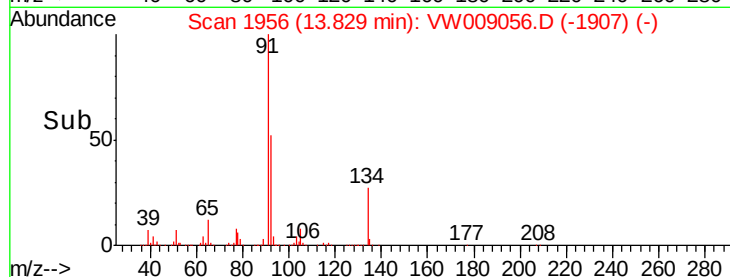
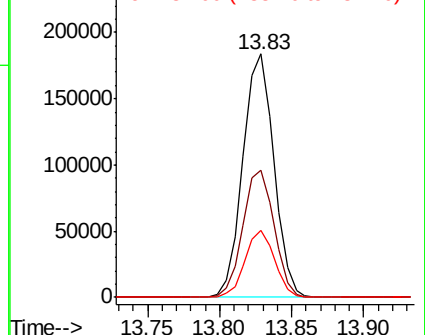
91 100

92 52.7 26.8 80.3

134 26.4 12.9 38.7



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



#90

Hexachloroethane

Concen: 19.651 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009056.D

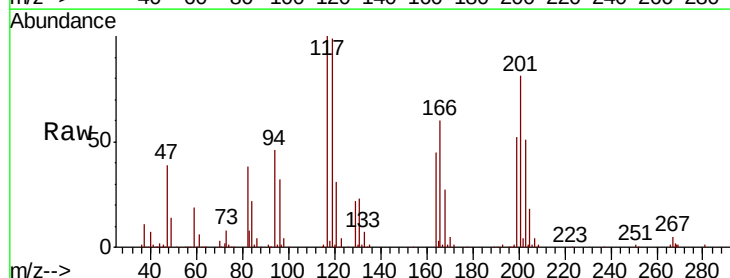
Acq: 08 Mar 2019 15:53

Tgt Ion: 117 Resp: 49455

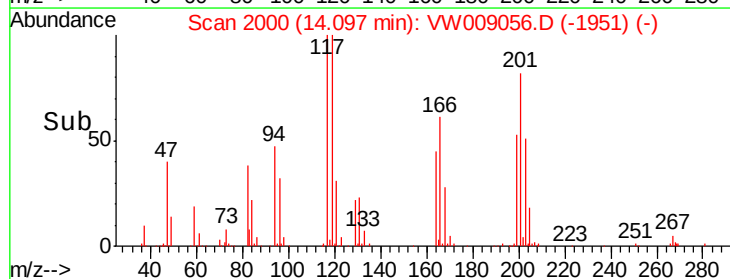
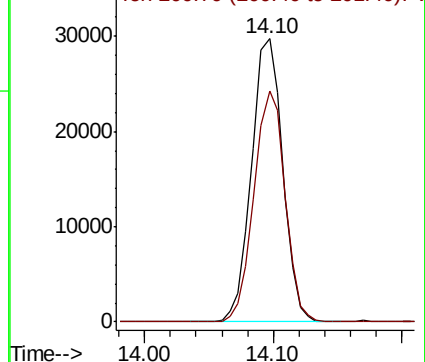
Ion Ratio Lower Upper

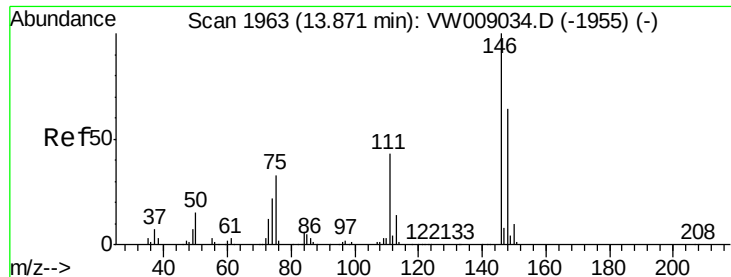
117 100

201 81.5 39.1 117.5



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

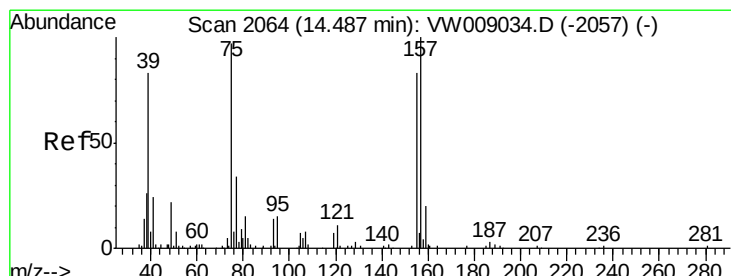
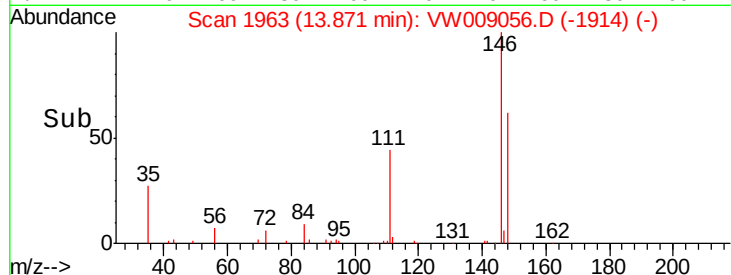
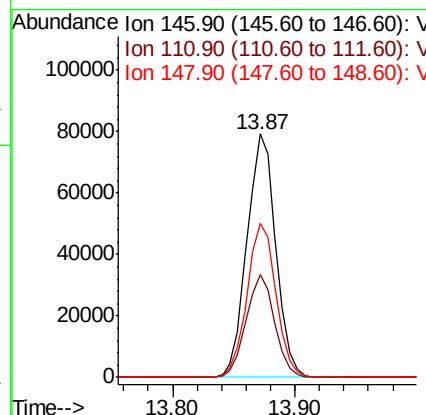
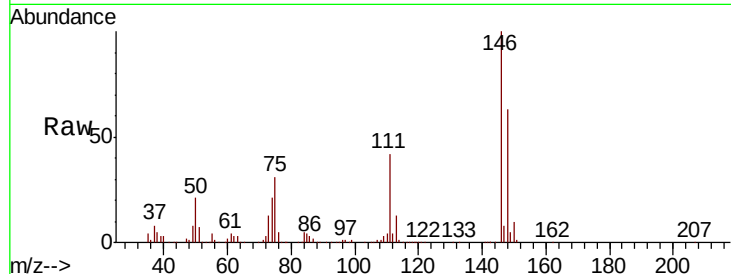




#91
 1,2-Dichlorobenzene
 Concen: 20.198 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

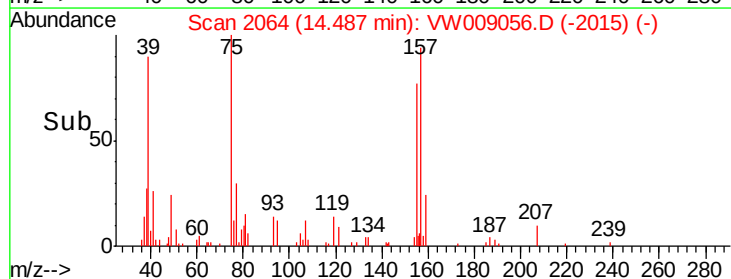
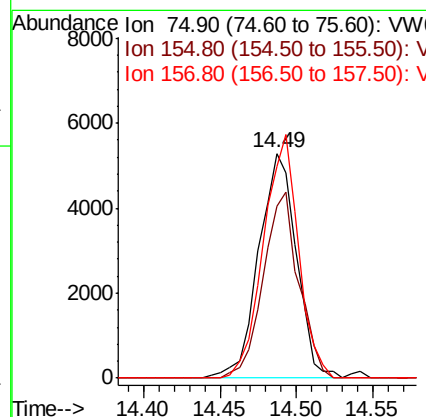
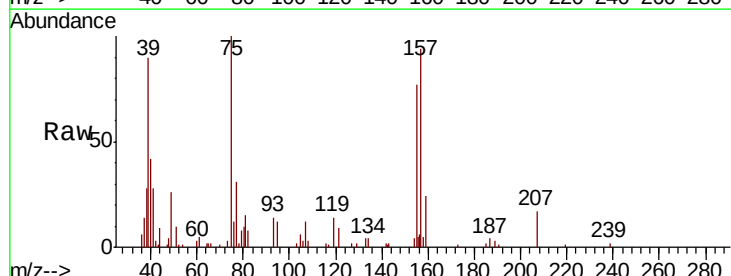
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0308SBS01

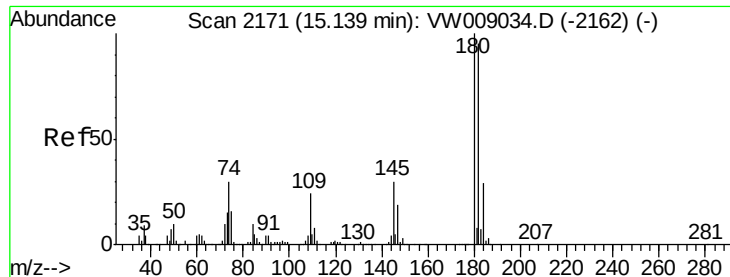
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.1
148	63.5	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.318 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	40.8	122.4
157	100.7	52.4	157.3

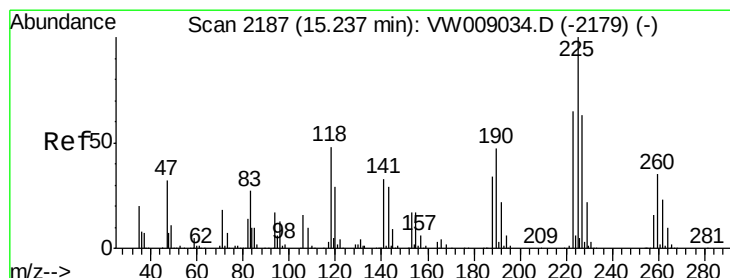
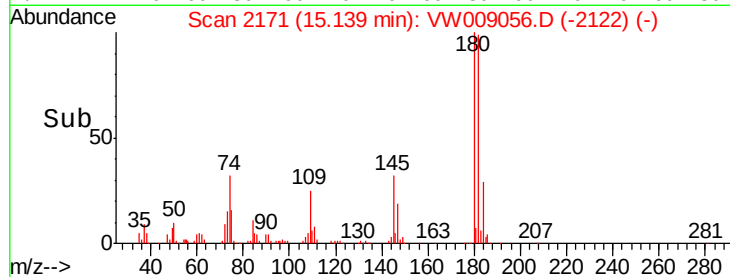
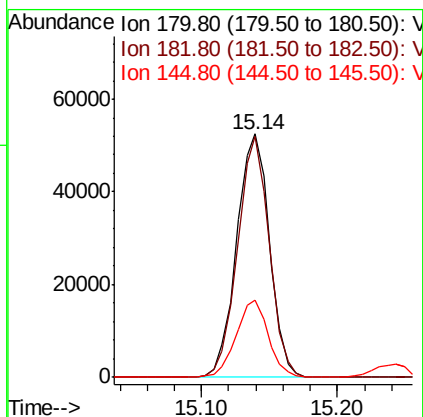
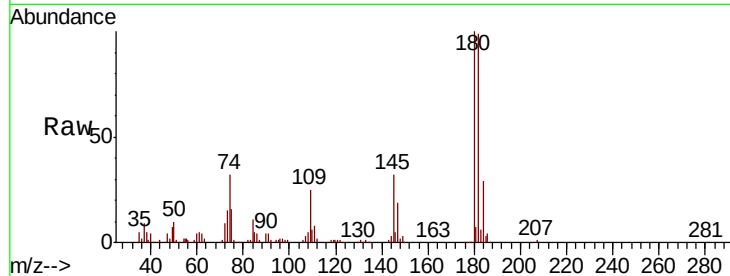




#93
 1,2,4-Trichlorobenzene
 Concen: 20.383 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

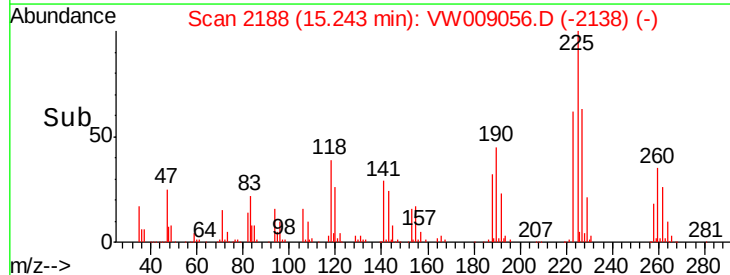
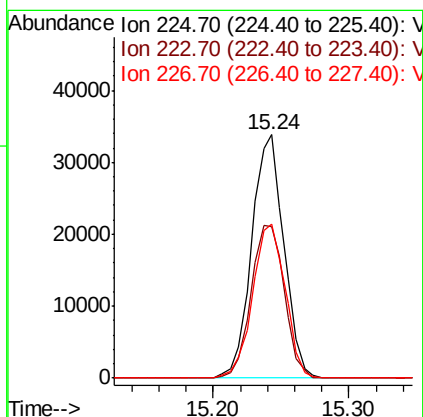
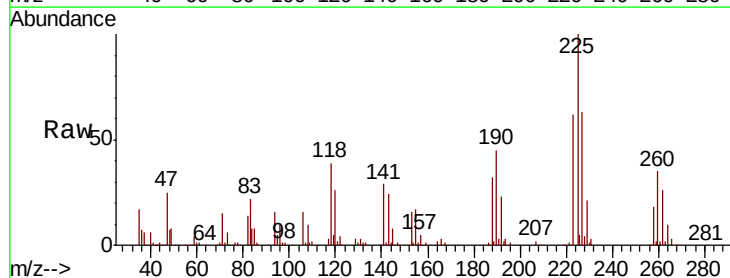
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0308SBS01

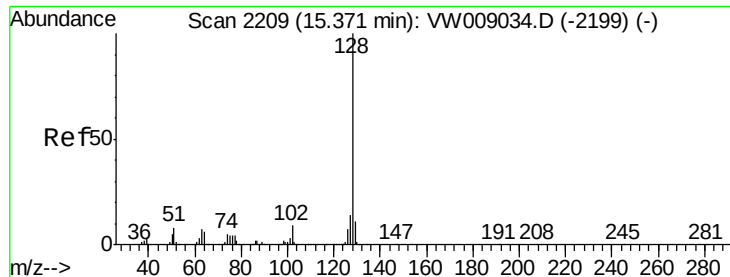
Tot Ion:180 Resp: 88320
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.1 144.3
 145 31.0 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 20.723 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009056.D
 Acq: 08 Mar 2019 15:53

Tgt Ion:225 Resp: 56242
 Ion Ratio Lower Upper
 225 100
 223 64.7 31.6 94.8
 227 64.3 32.0 96.2

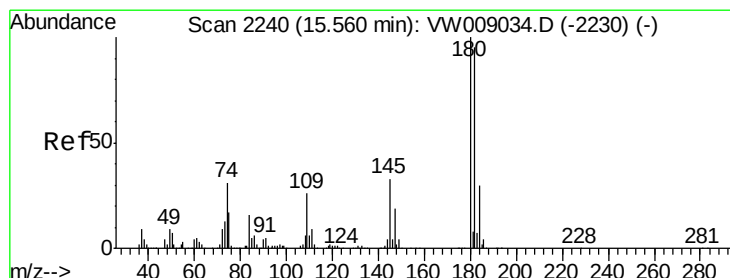
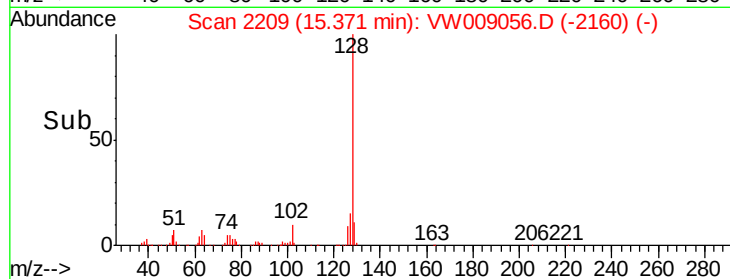
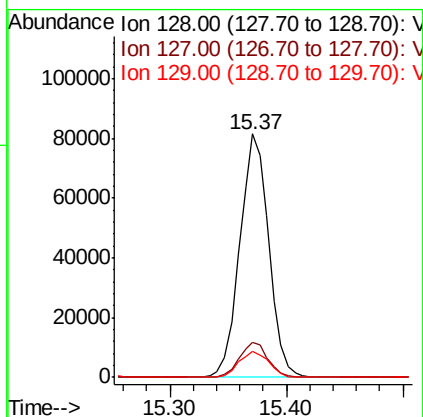
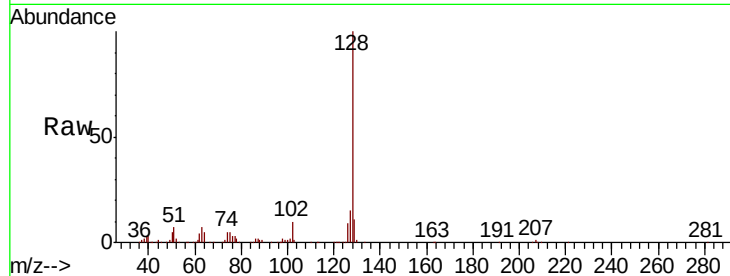




#95
Naphthalene
Concen: 19.911 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Instrument :
MSVOA_W
ClientSampleId :
VW0308SBSD01

Tot Ion:128 Resp: 141228
Ion Ratio Lower Upper
128 100
127 14.2 11.0 16.6
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.107 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009056.D
Acq: 08 Mar 2019 15:53

Tgt Ion:180 Resp: 76610
Ion Ratio Lower Upper
180 100
182 96.3 48.1 144.3
145 30.8 15.8 47.3

