

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
 Data File : VW009042.D
 Acq On : 07 Mar 2019 16:22
 Operator : SY/VA
 Sample : VW0307SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBSD01

Quant Time: Mar 08 05:41:44 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	291581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	415589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	394820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	220466	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	153705	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	7.88	113	132643	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
50) Toluene-d8	10.32	98	548507	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
62) 4-Bromofluorobenzene	12.62	95	206576	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	66630	22.674 ug/l	99
3) Chloromethane	2.21	50	79071	21.181 ug/l	99
4) Vinyl Chloride	2.35	62	76528	20.201 ug/l	98
5) Bromomethane	2.76	94	70462	22.034 ug/l	96
6) Chloroethane	2.92	64	53550	19.855 ug/l	99
7) Trichlorofluoromethane	3.26	101	104259	21.374 ug/l	96
8) Diethyl Ether	3.68	74	31310	20.993 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	64490	21.228 ug/l	99
10) Methyl Iodide	4.28	142	59966	20.224 ug/l	98
11) Tert butyl alcohol	5.19	59	23060	102.579 ug/l	100
12) 1,1-Dichloroethene	4.04	96	56746	21.654 ug/l	96
13) Acrolein	3.90	56	24308	98.264 ug/l	99
14) Allyl chloride	4.67	41	92619	20.037 ug/l	97
15) Acrylonitrile	5.37	53	64512	99.104 ug/l	97
16) Acetone	4.14	43	65860	99.488 ug/l	96
17) Carbon Disulfide	4.38	76	179911	20.405 ug/l	99
18) Methyl Acetate	4.67	43	27972	18.375 ug/l	96
19) Methyl tert-butyl Ether	5.42	73	139301	20.095 ug/l	96
20) Methylene Chloride	4.92	84	65576	17.534 ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	61797	20.423 ug/l	91
22) Diisopropyl ether	6.32	45	190337	20.720 ug/l	98
23) Vinyl Acetate	6.26	43	581846	101.785 ug/l	99
24) 1,1-Dichloroethane	6.21	63	109991	20.643 ug/l	99
25) 2-Butanone	7.18	43	89127	97.419 ug/l	97
26) 2,2-Dichloropropane	7.17	77	102194	21.101 ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	66740	20.537 ug/l	99
28) Bromochloromethane	7.51	49	44155	19.924 ug/l	99
29) Tetrahydrofuran	7.53	42	55445	96.169 ug/l	99
30) Chloroform	7.67	83	111879	20.395 ug/l	97
31) Cyclohexane	7.95	56	109786	20.067 ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	102960	20.338 ug/l	99
36) 1,1-Dichloropropene	8.09	75	91257	21.001 ug/l	98
37) Ethyl Acetate	7.26	43	38929	19.072 ug/l	96
38) Carbon Tetrachloride	8.07	117	93783	20.898 ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	107005	20.674	ug/l	99
40) Benzene	8.32	78	243591	20.999	ug/l	95
41) Methacrylonitrile	7.48	41	21331	18.819	ug/l	93
42) 1,2-Dichloroethane	8.40	62	74585	19.916	ug/l	98
43) Isopropyl Acetate	8.43	43	74452	19.585	ug/l	100
44) Trichloroethene	9.09	130	68044	20.929	ug/l	96
45) 1,2-Dichloropropane	9.37	63	59673	20.539	ug/l	98
46) Dibromomethane	9.46	93	31992	20.163	ug/l	98
47) Bromodichloromethane	9.65	83	81168	20.209	ug/l	96
48) Methyl methacrylate	9.43	41	33078	18.687	ug/l	90
49) 1,4-Dioxane	9.46	88	8274	364.154	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	186244	96.504	ug/l	99
52) Toluene	10.39	92	159441	20.267	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	80199	20.189	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	95756	20.976	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	43914	20.420	ug/l	97
56) Ethyl methacrylate	10.65	69	50469	18.909	ug/l	97
57) 1,3-Dichloropropane	10.93	76	77984	20.470	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	136539	98.680	ug/l	100
59) 2-Hexanone	10.97	43	134831	99.367	ug/l	98
60) Dibromochloromethane	11.13	129	54449	20.458	ug/l	99
61) 1,2-Dibromoethane	11.23	107	42183	20.008	ug/l	99
64) Tetrachloroethene	10.86	164	57609	20.233	ug/l	94
65) Chlorobenzene	11.66	112	175871	20.465	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	59705	20.807	ug/l	99
67) Ethyl Benzene	11.73	91	312887	20.154	ug/l	97
68) m/p-Xylenes	11.84	106	249742	40.755	ug/l	100
69) o-Xylene	12.16	106	115770	20.304	ug/l	98
70) Styrene	12.18	104	188012	20.380	ug/l	99
71) Bromoform	12.35	173	30748	19.957	ug/l #	99
73) Isopropylbenzene	12.47	105	319396	20.230	ug/l	100
74) N-amyl acetate	12.27	43	73625	19.699	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49725	19.967	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	68103	39.098	ug/l	20
77) Bromobenzene	12.75	156	74434	20.634	ug/l	94
78) n-propylbenzene	12.80	91	397651	20.448	ug/l	99
79) 2-Chlorotoluene	12.90	91	222499	20.364	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	274237	20.151	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15591	20.020	ug/l	94
82) 4-Chlorotoluene	12.99	91	233774	20.072	ug/l	98
83) tert-Butylbenzene	13.21	119	243215	21.191	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	279708	20.318	ug/l	100
85) sec-Butylbenzene	13.38	105	348891	20.517	ug/l	99
86) p-Isopropyltoluene	13.50	119	305705	20.096	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	153726	20.278	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	152667	20.377	ug/l	99
89) n-Butylbenzene	13.83	91	293451	20.291	ug/l	99
90) Hexachloroethane	14.10	117	53140	20.254	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	136726	20.441	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8682	19.574	ug/l	97

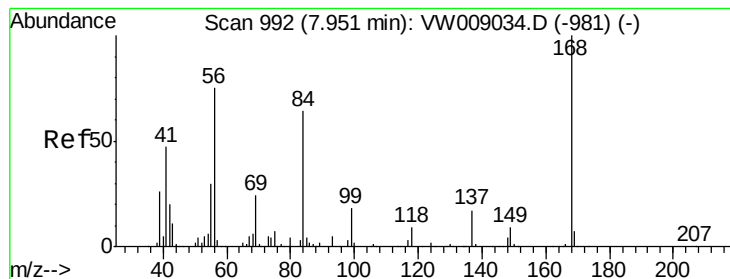
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	92662	20.513	ug/l	98
94) Hexachlorobutadiene	15.24	225	60083	21.235	ug/l	96
95) Naphthalene	15.37	128	144899	19.596	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	80022	20.146	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

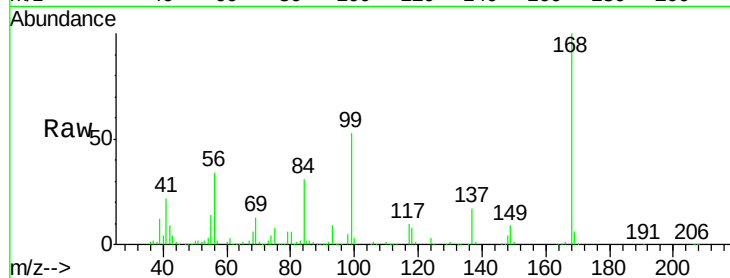
VW0307SBSD01

Tgt Ion:168 Resp: 291581

Ion Ratio Lower Upper

168 100

99 52.6 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

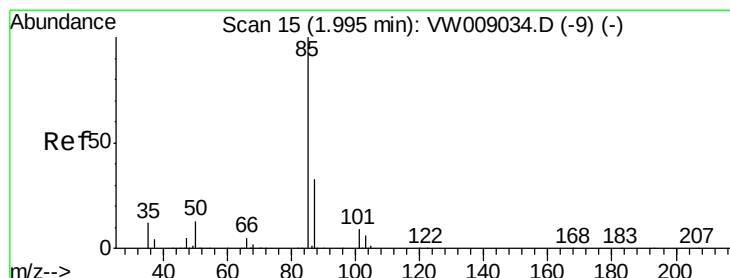
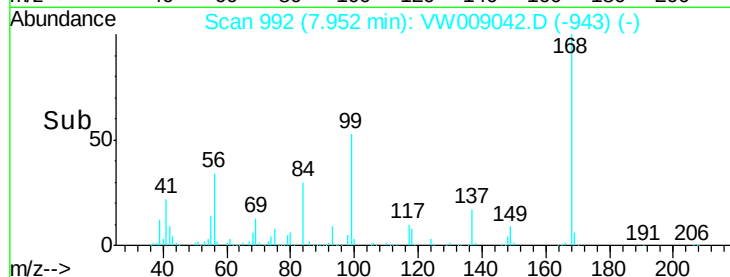
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 22.674 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009042.D

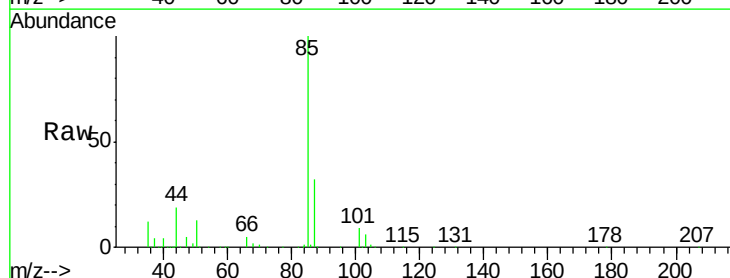
Acq: 07 Mar 2019 16:22

Tgt Ion: 85 Resp: 66630

Ion Ratio Lower Upper

85 100

87 32.0 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

50000

40000

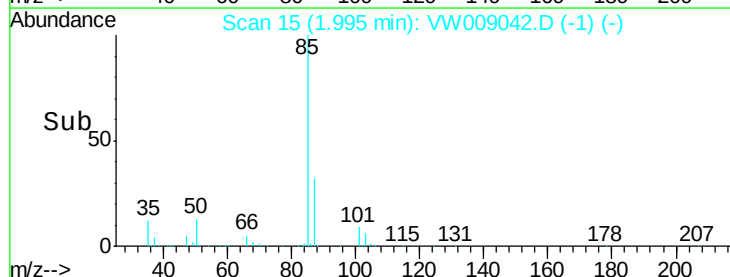
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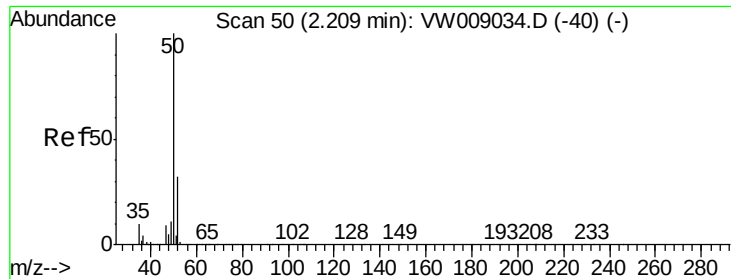
20000

10000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 21.181 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

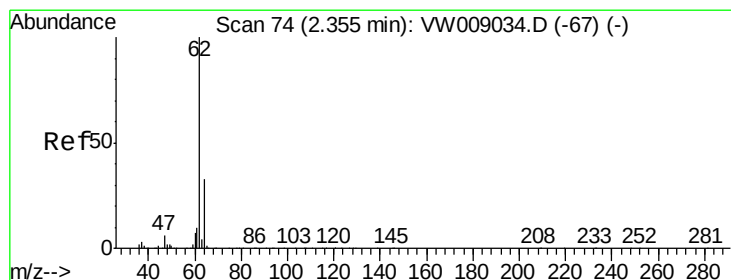
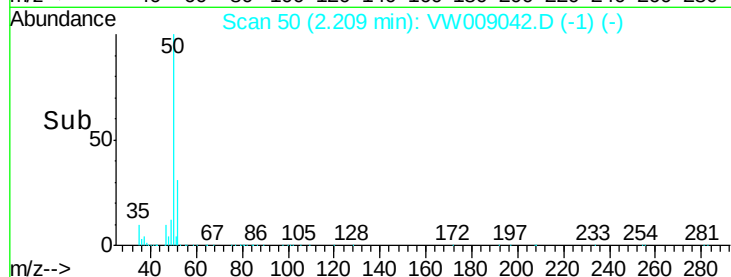
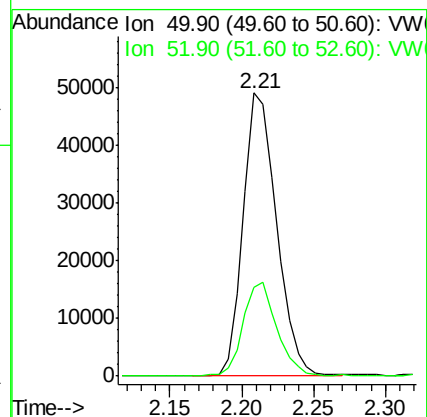
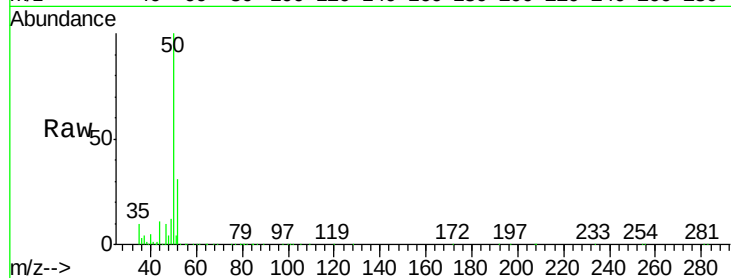
VW0307SBSD01

Tgt Ion: 50 Resp: 79071

Ion Ratio Lower Upper

50 100

52 31.2 25.4 38.2



#4

Vinyl Chloride

Concen: 20.201 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009042.D

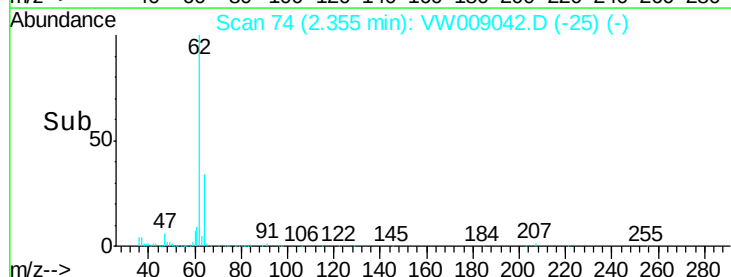
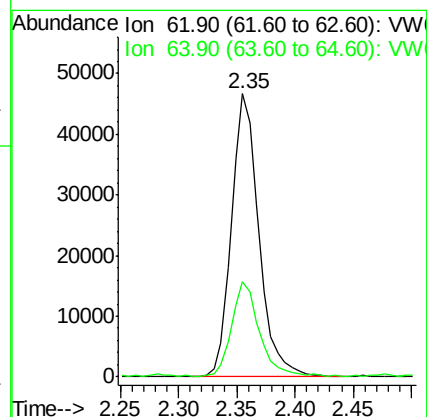
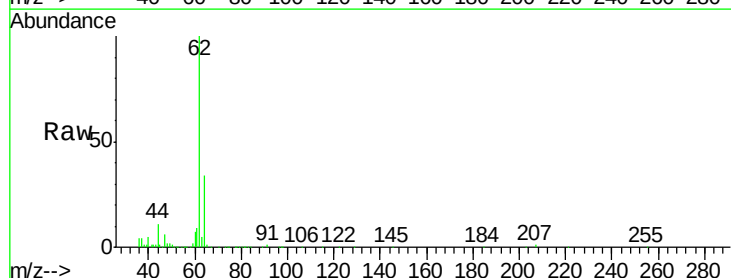
Acq: 07 Mar 2019 16:22

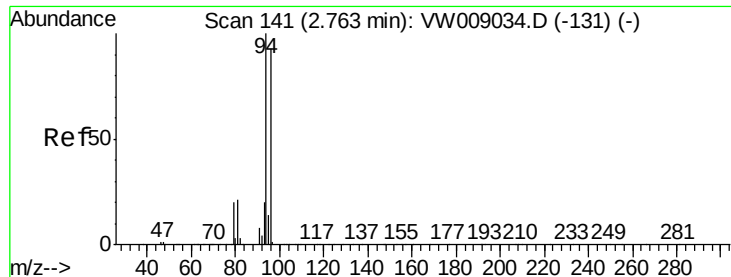
Tgt Ion: 62 Resp: 76528

Ion Ratio Lower Upper

62 100

64 33.4 26.0 39.0





#5

Bromomethane

Concen: 22.034 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

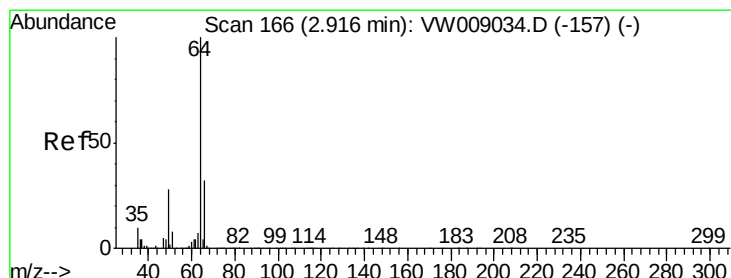
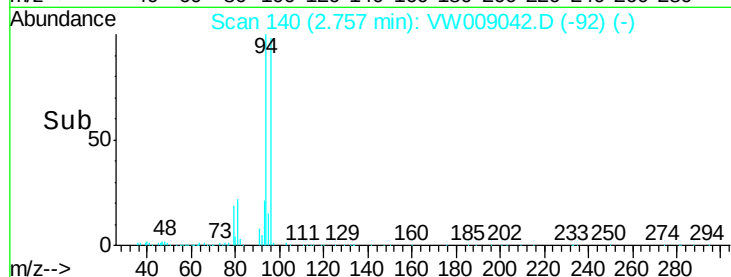
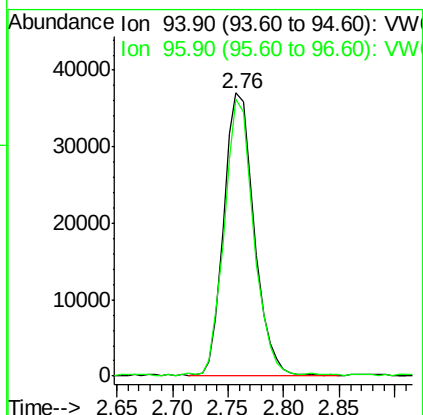
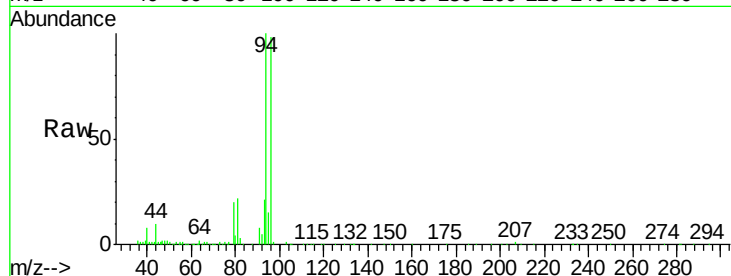
VW0307SBSD01

Tgt Ion: 94 Resp: 70462

Ion Ratio Lower Upper

94 100

96 97.2 74.4 111.6



#6

Chloroethane

Concen: 19.855 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009042.D

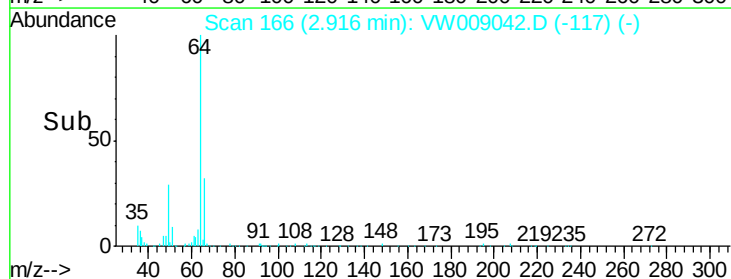
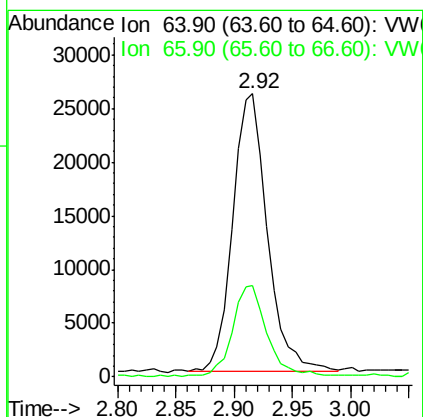
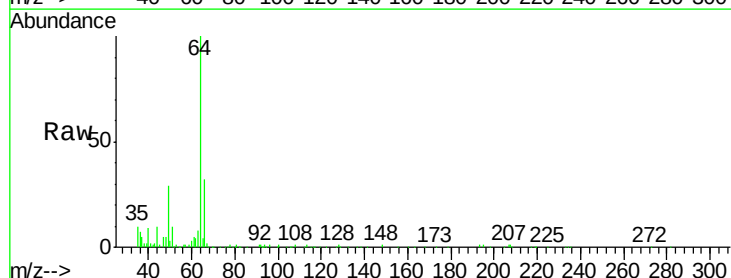
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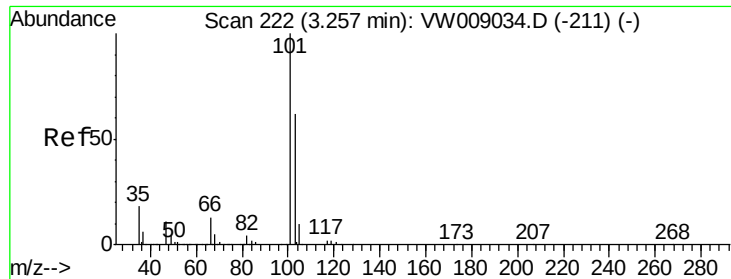
Tgt Ion: 64 Resp: 53550

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3



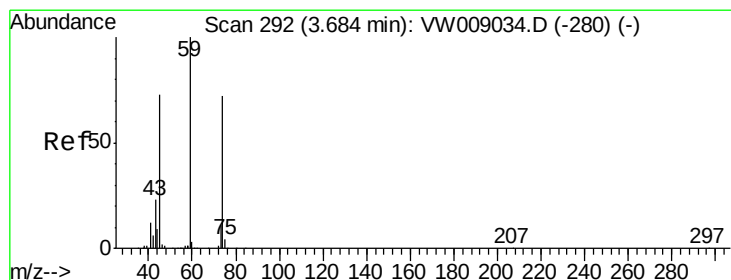
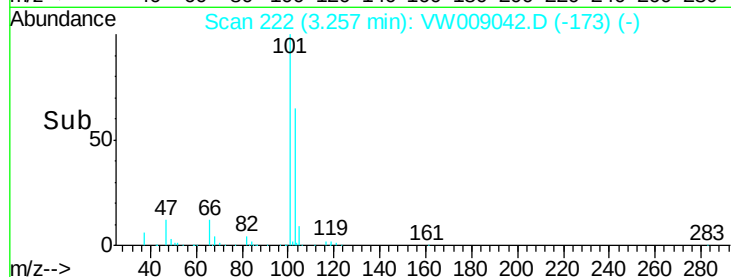
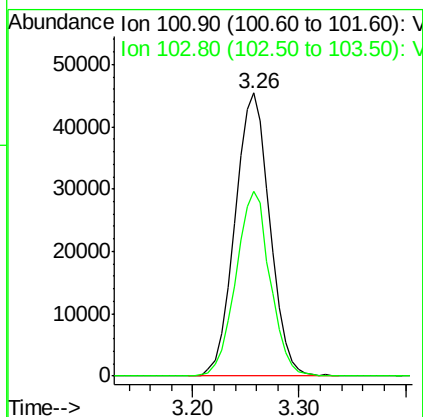
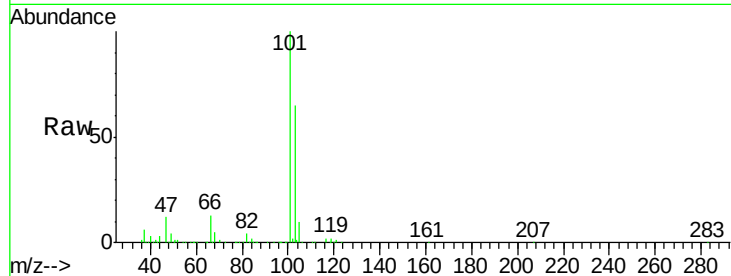


#7

Trichlorofluoromethane
 Concen: 21.374 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

Instrument :
 MSVOA_W
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 VW0307SBS01

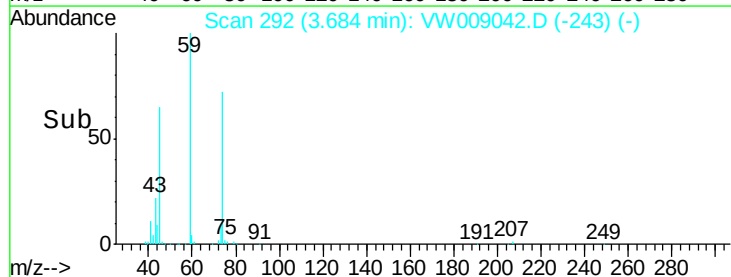
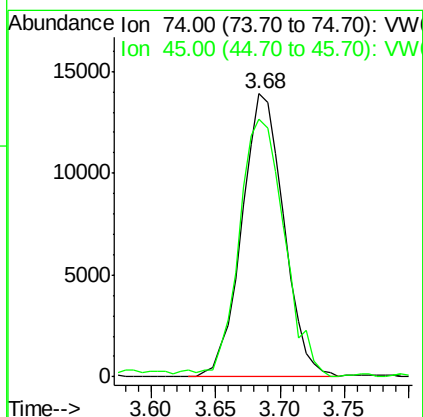
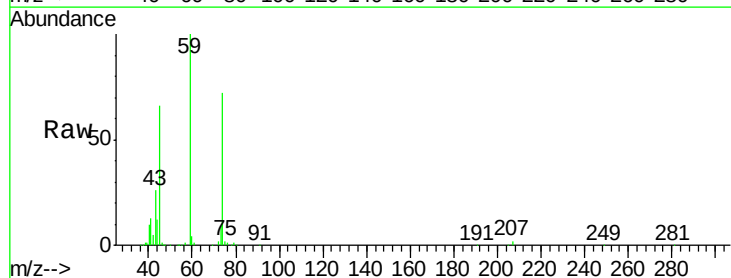
Tgt Ion:101 Resp: 104259
 Ion Ratio Lower Upper
 101 100
 103 65.4 49.9 74.9

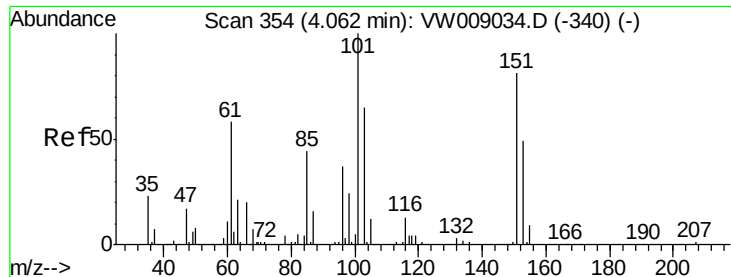


#8

Diethyl Ether
 Concen: 20.993 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

Tgt Ion: 74 Resp: 31310
 Ion Ratio Lower Upper
 74 100
 45 98.0 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.228 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBSD01

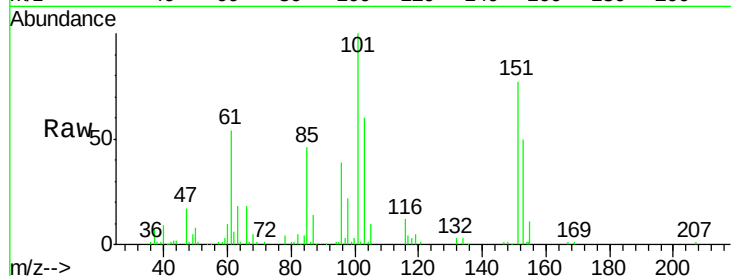
Tgt Ion:101 Resp: 64490

Ion Ratio Lower Upper

101 100

85 44.9 36.2 54.4

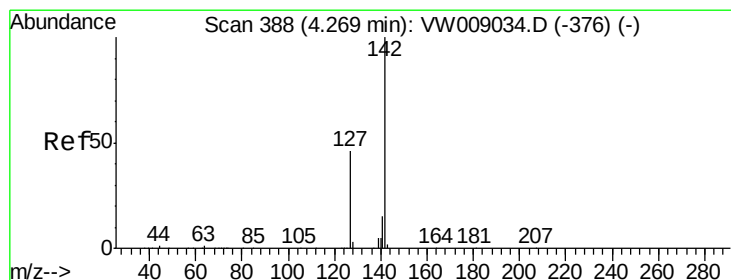
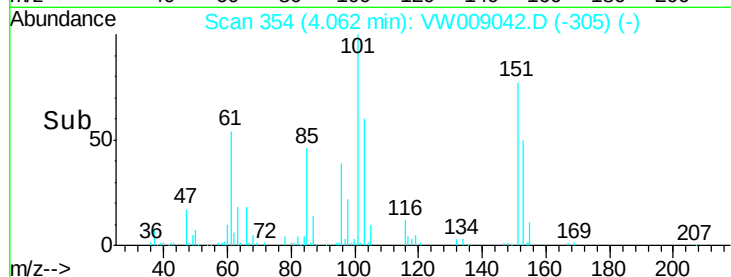
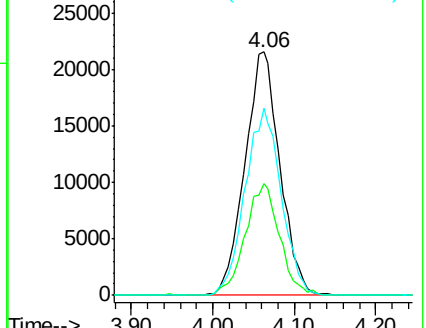
151 78.9 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.224 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW009042.D

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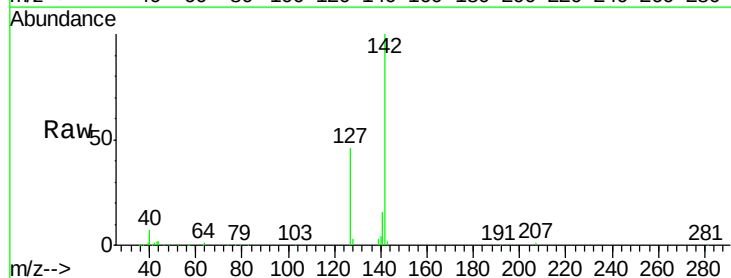
Tgt Ion:142 Resp: 59966

Ion Ratio Lower Upper

142 100

127 43.1 35.8 53.6

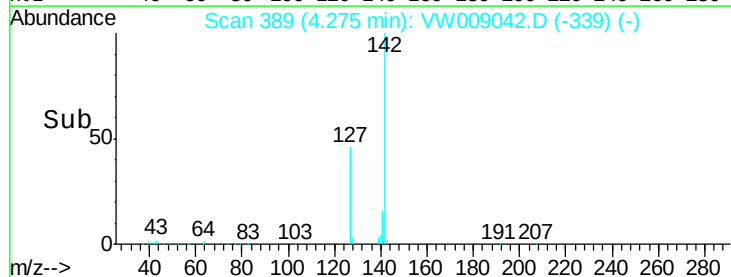
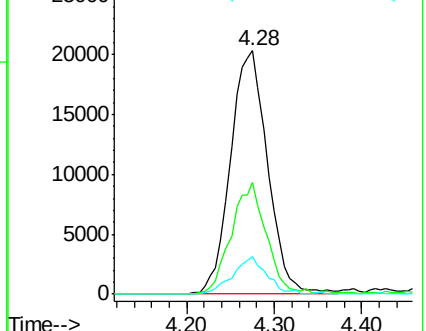
141 14.1 11.8 17.8

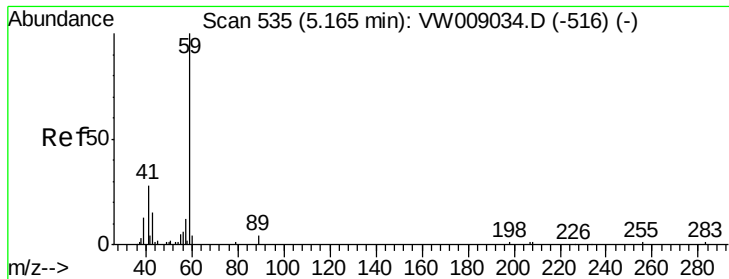


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

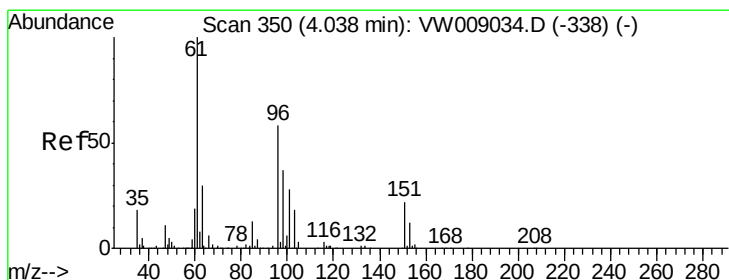
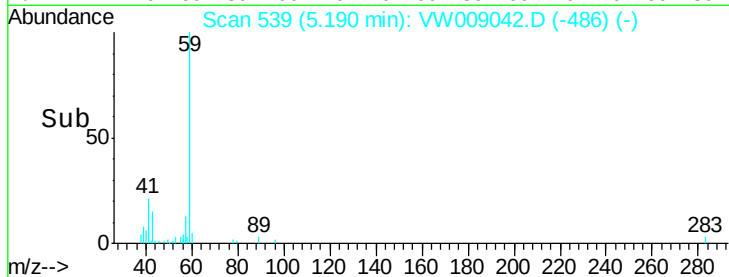
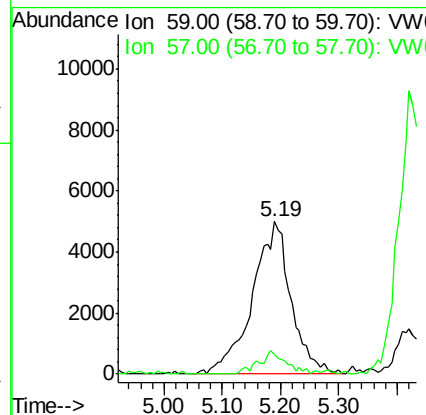
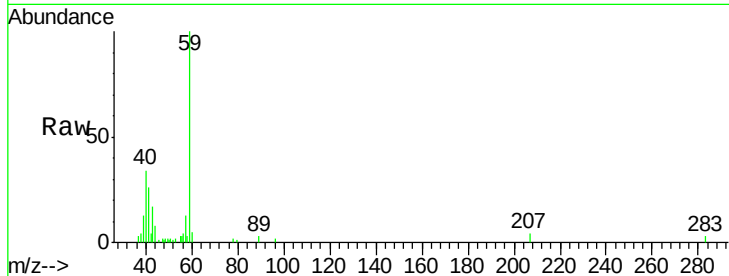




#11
Tert butyl alcohol
Concen: 102.579 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

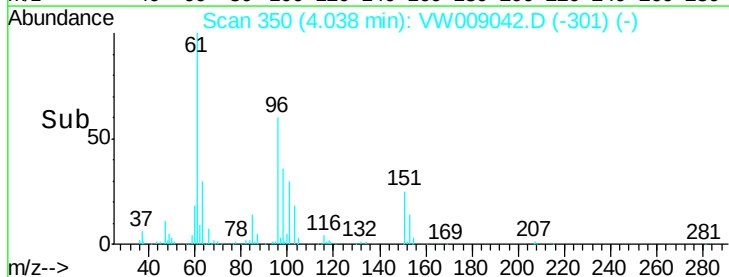
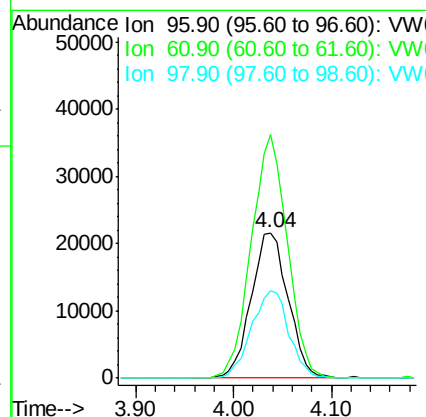
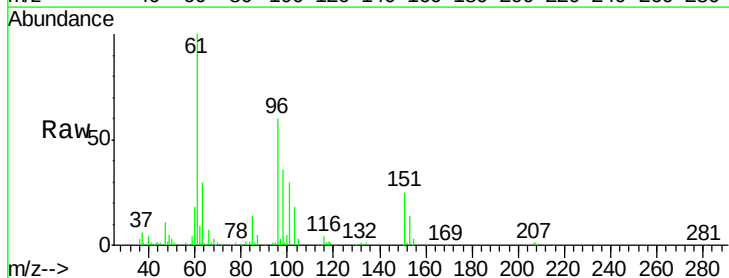
Instrument :
MSVOA_W
ClientSampleId :
VW0307SBSD01

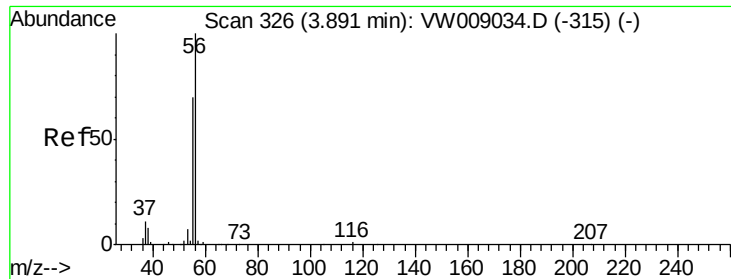
Tgt Ion: 59 Resp: 23060
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8



#12
1,1-Dichloroethene
Concen: 21.654 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

Tgt Ion: 96 Resp: 56746
Ion Ratio Lower Upper
96 100
61 167.3 138.2 207.2
98 59.8 51.3 76.9

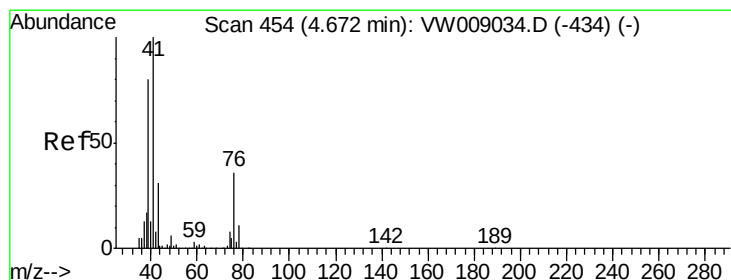
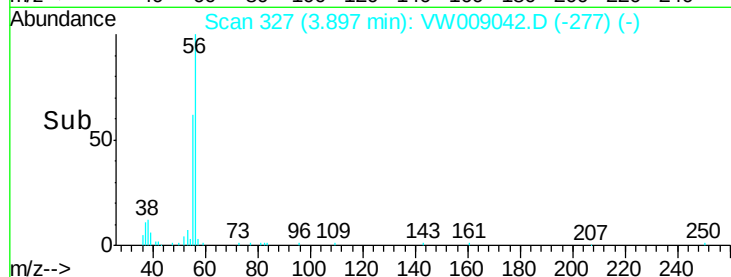
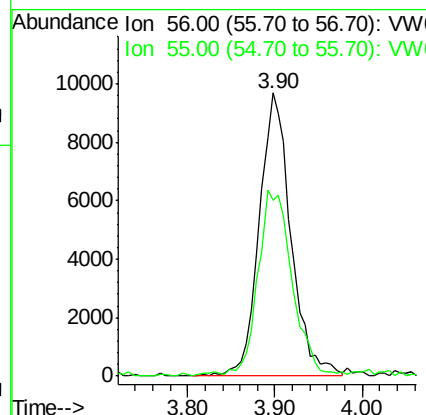
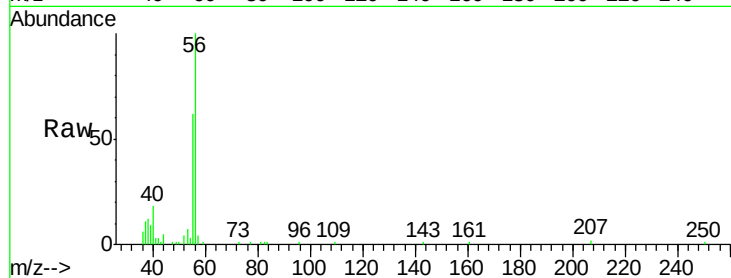




#13
 Acrolein
 Concen: 98.264 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

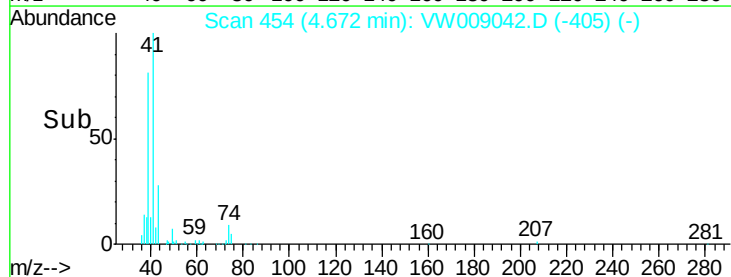
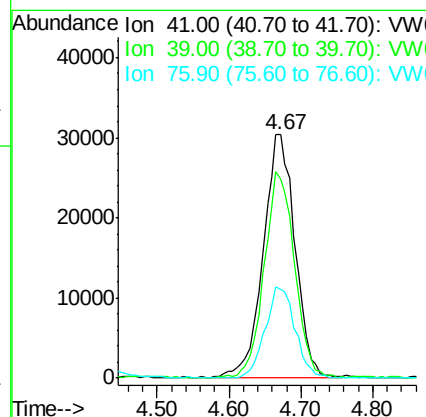
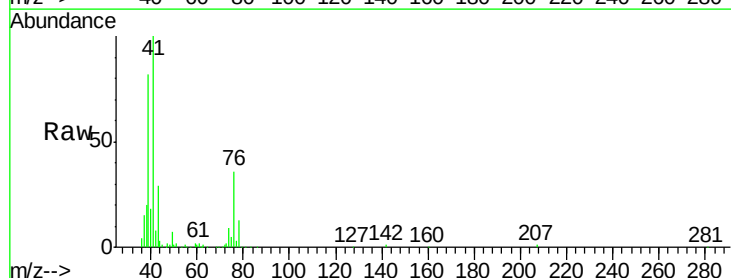
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBSD01

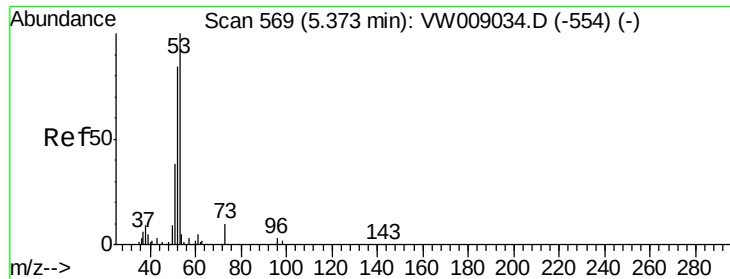
Tgt Ion: 56 Resp: 24308
 Ion Ratio Lower Upper
 56 100
 55 71.8 56.6 84.8



#14
 Allyl chloride
 Concen: 20.037 ug/l
 RT: 4.67 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

Tgt Ion: 41 Resp: 92619
 Ion Ratio Lower Upper
 41 100
 39 81.9 63.0 94.4
 76 35.5 28.2 42.2





#15

Acrylonitrile

Concen: 99.104 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBSD01

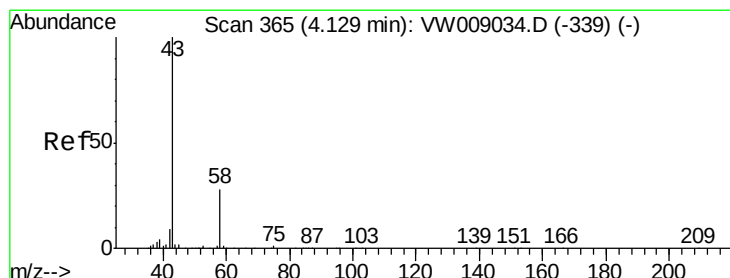
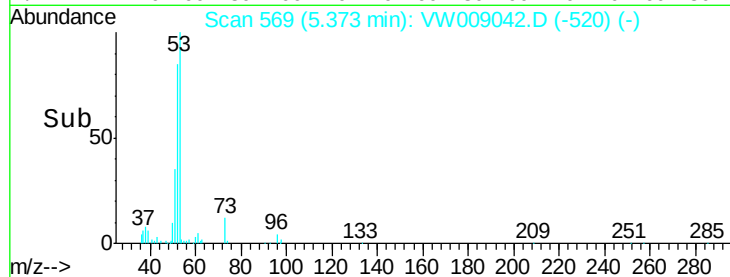
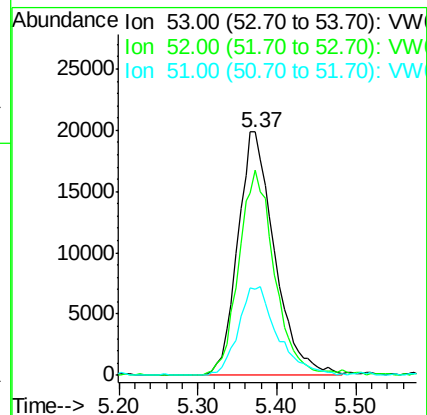
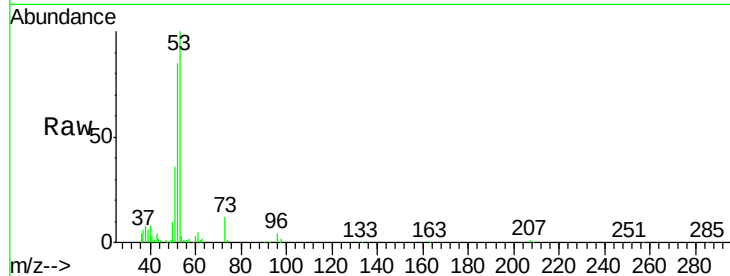
Tgt Ion: 53 Resp: 64512

Ion Ratio Lower Upper

53 100

52 81.0 67.2 100.8

51 38.5 31.8 47.6



#16

Acetone

Concen: 99.488 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009042.D

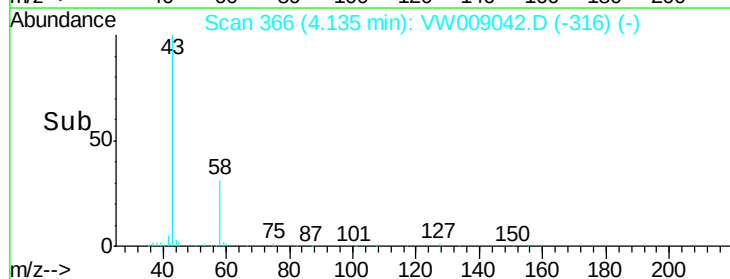
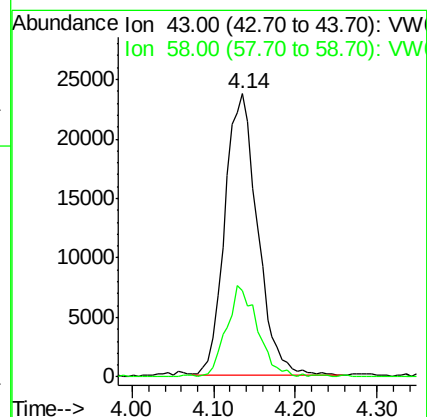
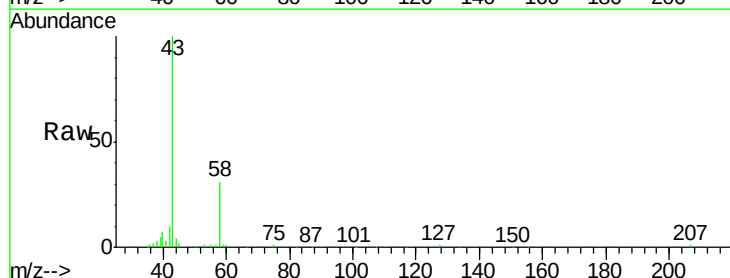
Acq: 07 Mar 2019 16:22

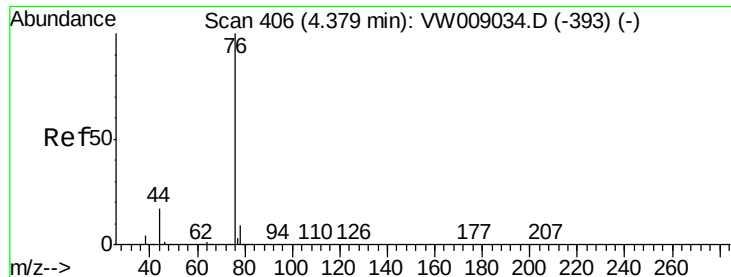
Tgt Ion: 43 Resp: 65860

Ion Ratio Lower Upper

43 100

58 30.2 22.5 33.7





#17

Carbon Disulfide

Concen: 20.405 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

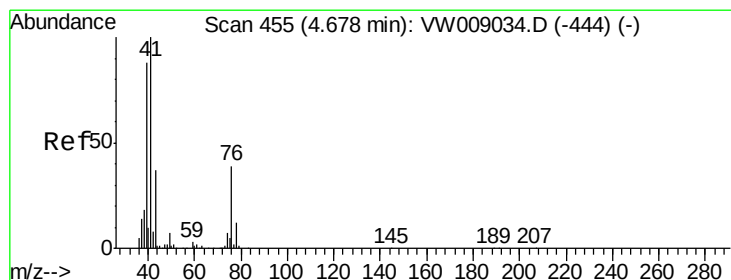
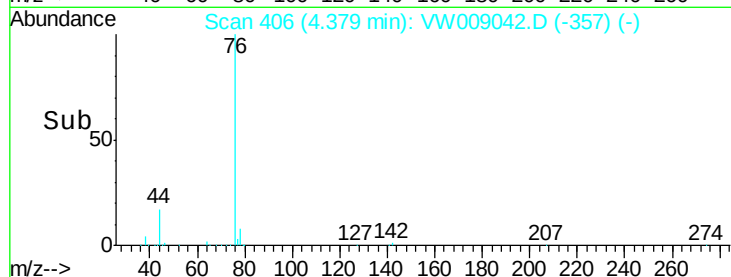
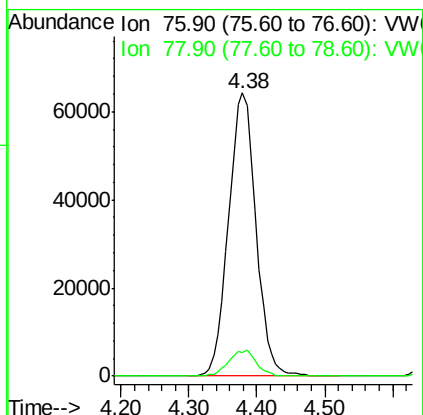
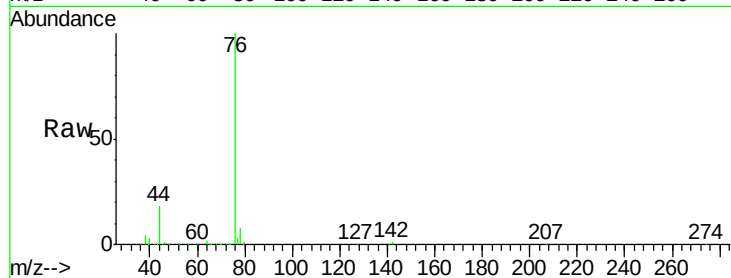
VW0307SBSD01

Tgt Ion: 76 Resp: 179911

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.6



#18

Methyl Acetate

Concen: 18.375 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW009042.D

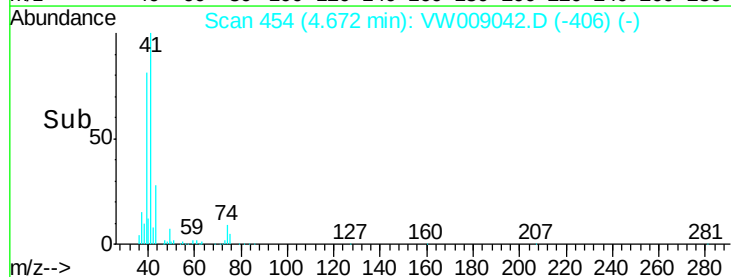
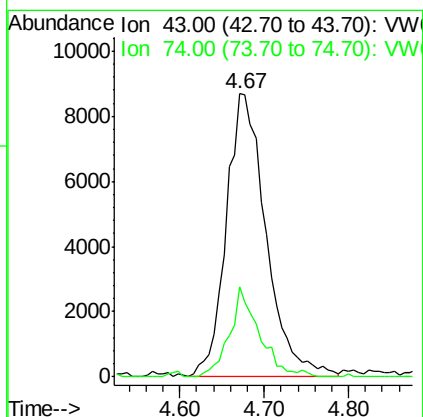
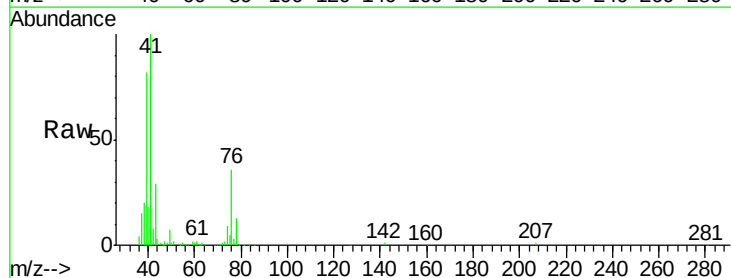
Acq: 07 Mar 2019 16:22

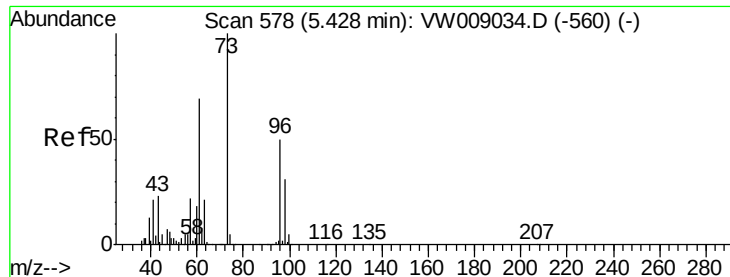
Tgt Ion: 43 Resp: 27972

Ion Ratio Lower Upper

43 100

74 23.8 17.6 26.4

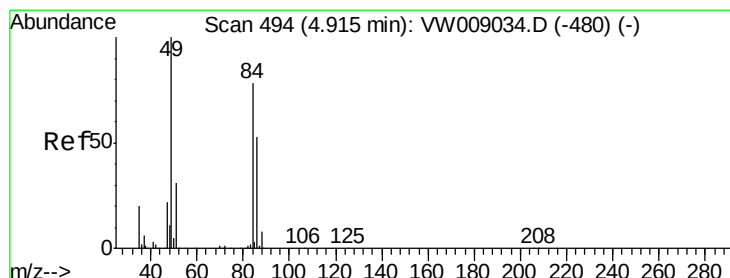
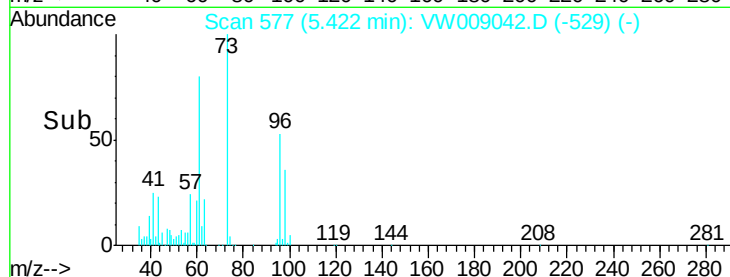
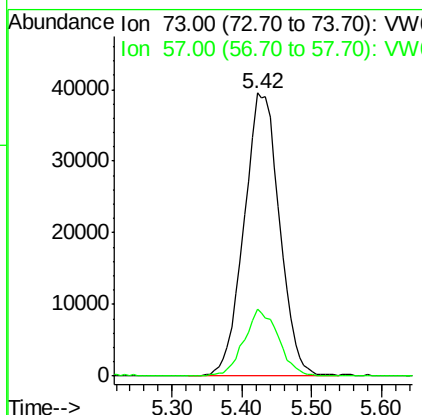
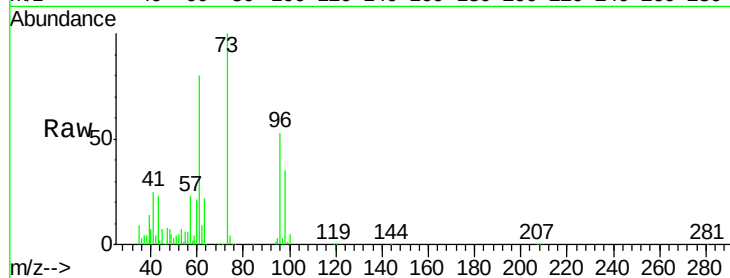




#19
Methyl tert-butyl Ether
Concen: 20.095 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

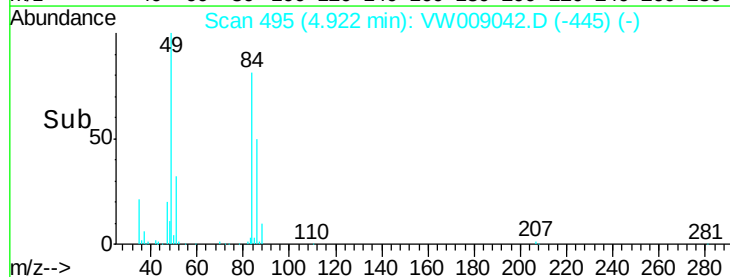
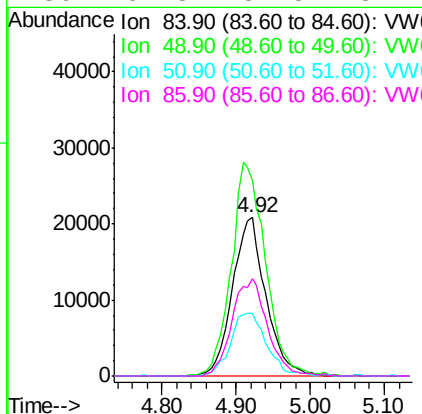
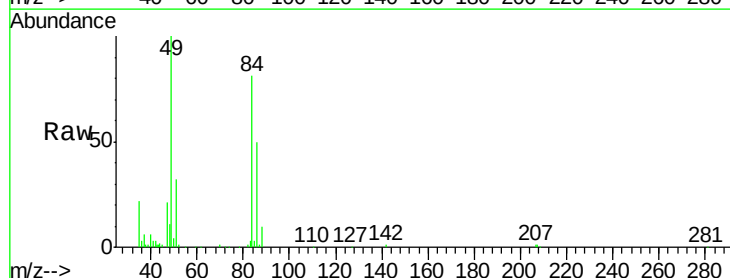
Instrument :
MSVOA_W
ClientSampleId :
VW0307SBSD01

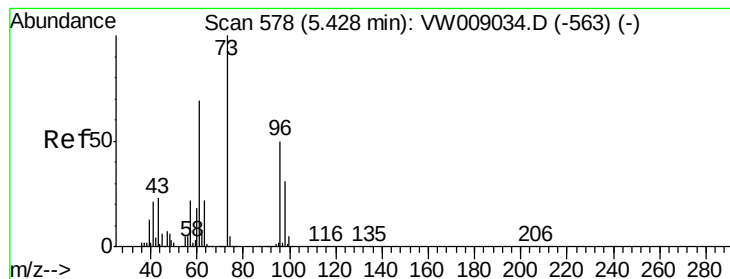
Tgt Ion: 73 Resp: 139301
Ion Ratio Lower Upper
73 100
57 23.5 17.3 25.9



#20
Methylene Chloride
Concen: 17.534 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

Tgt Ion: 84 Resp: 65576
Ion Ratio Lower Upper
84 100
49 123.3 102.4 153.6
51 39.3 31.6 47.4
86 61.8 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 20.423 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBSD01

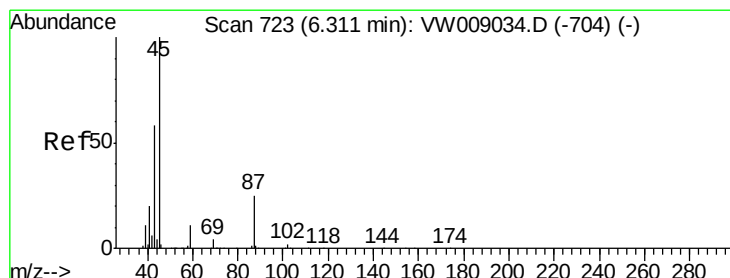
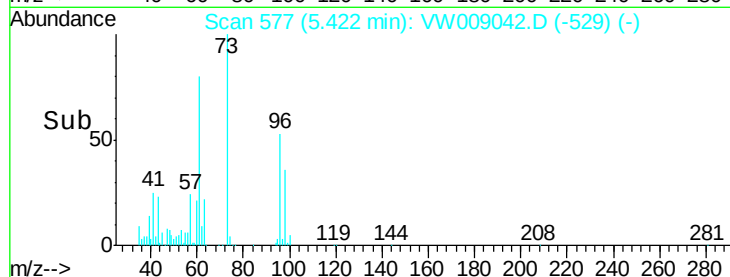
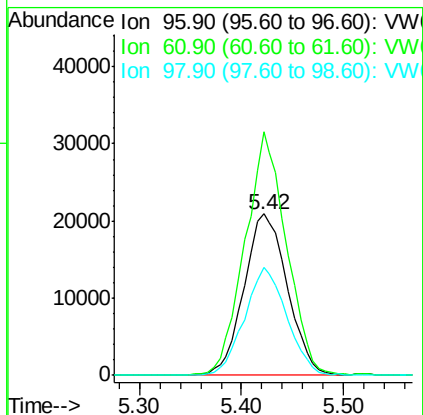
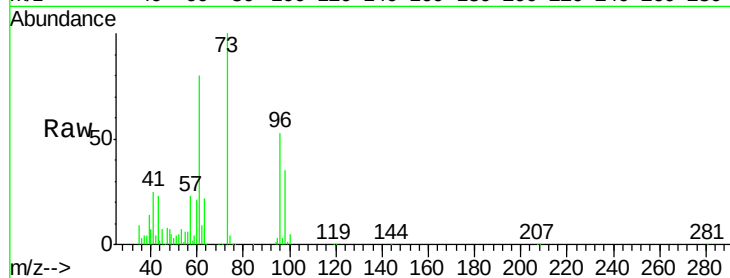
Tgt Ion: 96 Resp: 61797

Ion Ratio Lower Upper

96 100

61 150.7 111.0 166.6

98 67.1 49.4 74.0



#22

Diisopropyl ether

Concen: 20.720 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Tgt Ion: 45 Resp: 190337

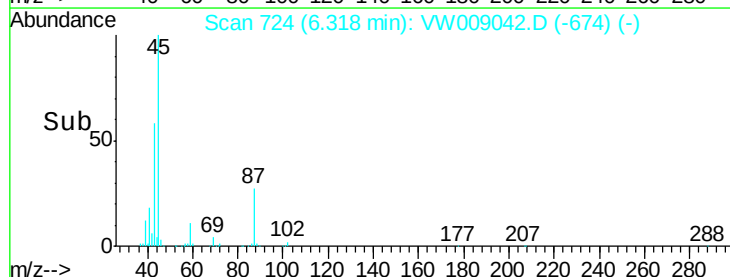
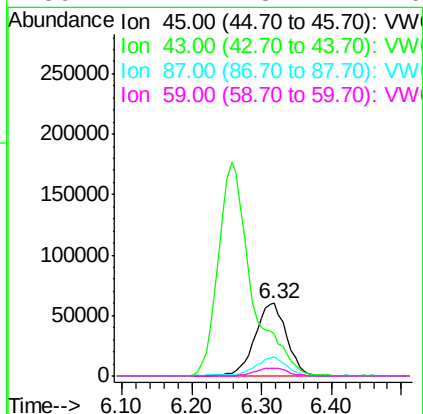
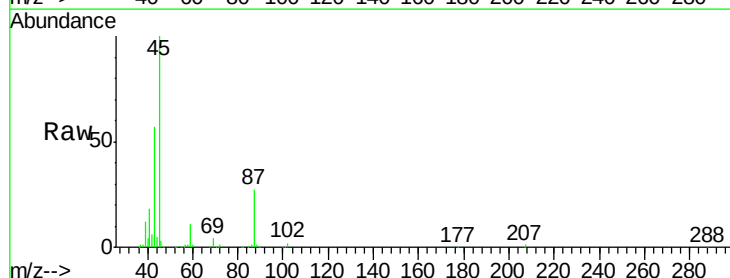
Ion Ratio Lower Upper

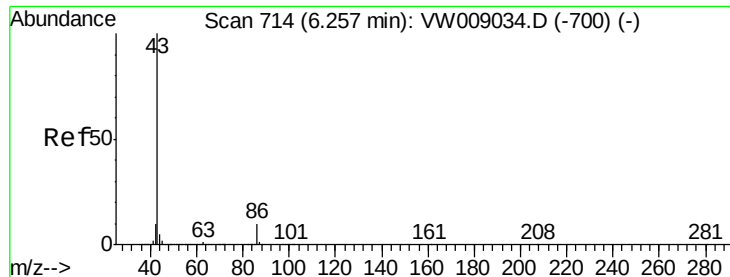
45 100

43 56.8 46.2 69.4

87 26.6 20.1 30.1

59 11.1 8.4 12.6





#23

Vinyl Acetate

Concen: 101.785 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

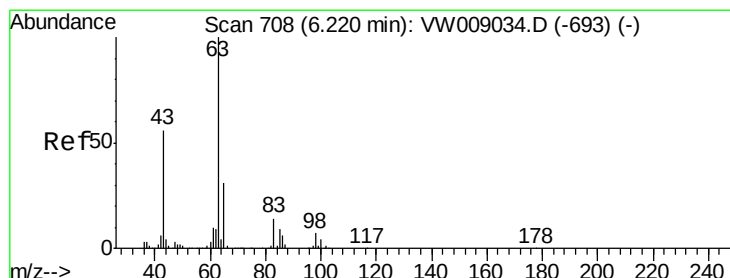
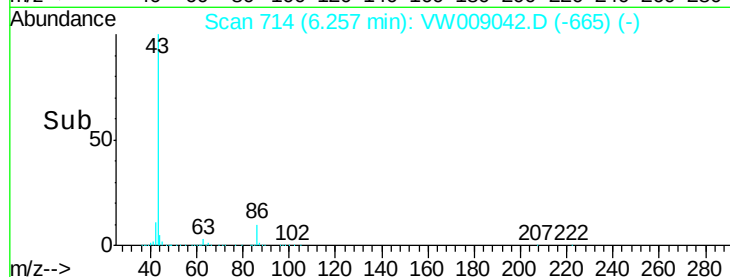
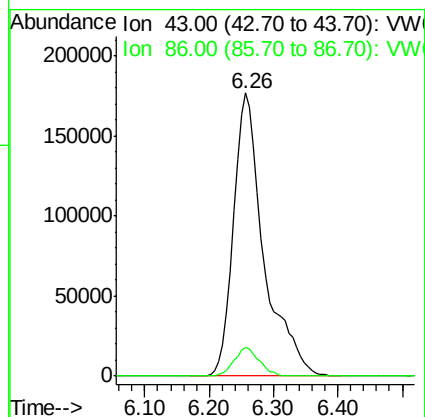
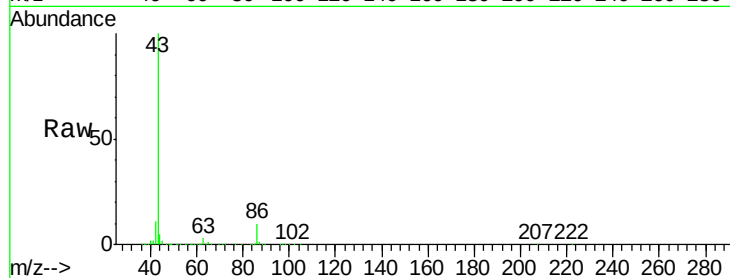
VW0307SBSD01

Tgt Ion: 43 Resp: 581846

Ion Ratio Lower Upper

43 100

86 9.9 7.6 11.4



#24

1,1-Dichloroethane

Concen: 20.643 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

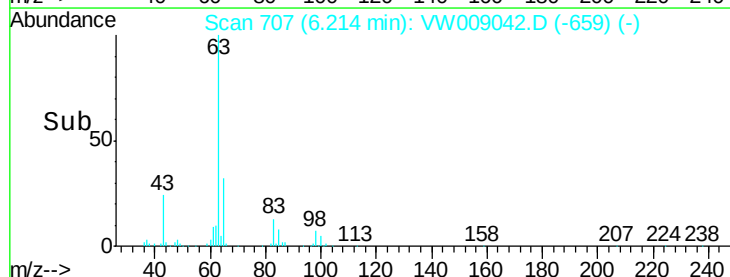
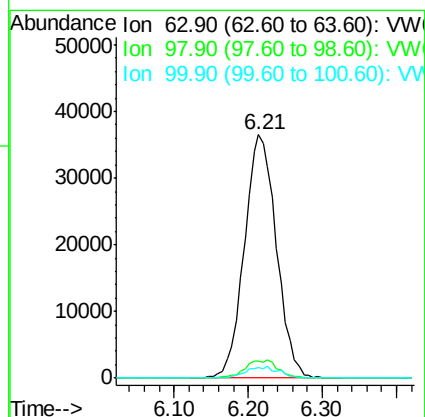
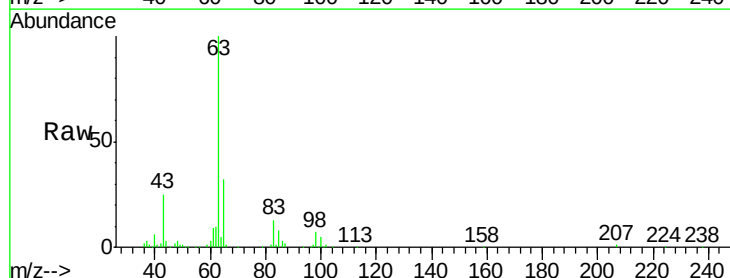
Tgt Ion: 63 Resp: 109991

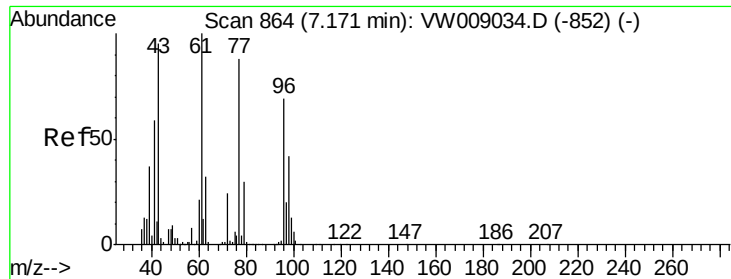
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.5 2.1 6.2





#25

2-Butanone

Concen: 97.419 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

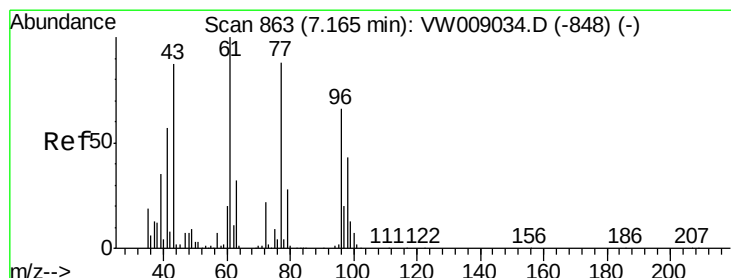
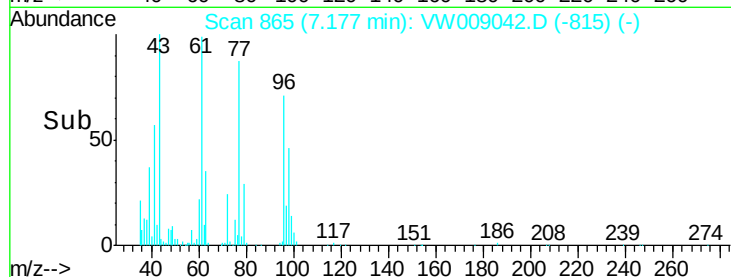
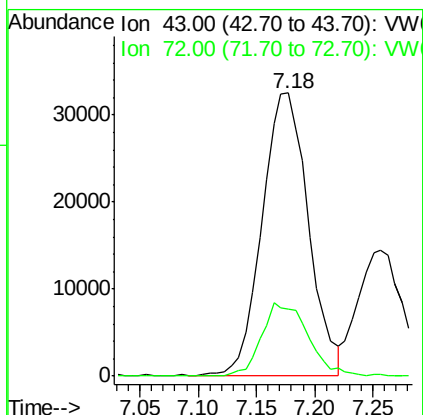
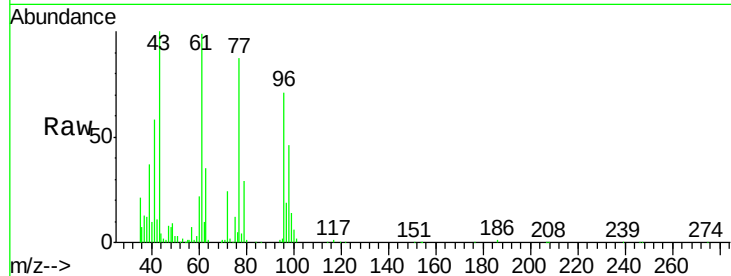
VW0307SBSD01

Tgt Ion: 43 Resp: 89127

Ion Ratio Lower Upper

43 100

72 23.7 20.0 30.0



#26

2,2-Dichloropropane

Concen: 21.101 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009042.D

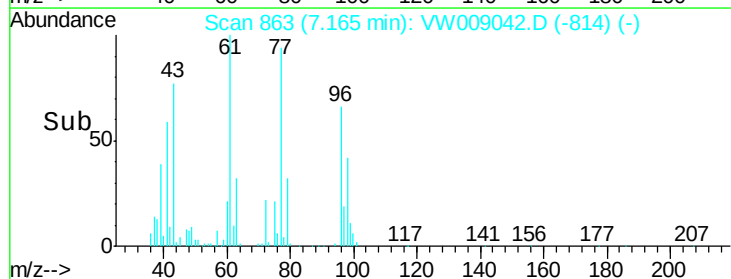
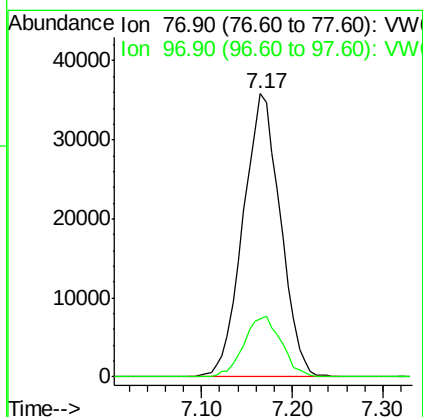
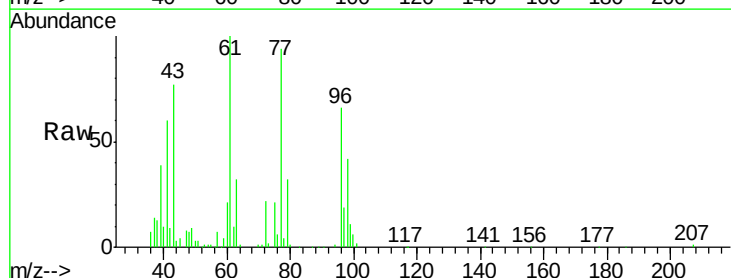
Acq: 07 Mar 2019 16:22

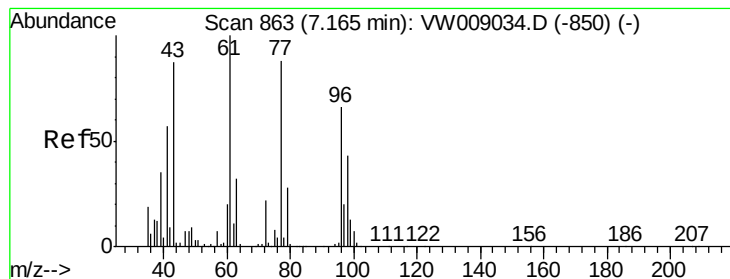
Tgt Ion: 77 Resp: 102194

Ion Ratio Lower Upper

77 100

97 21.5 10.9 32.9



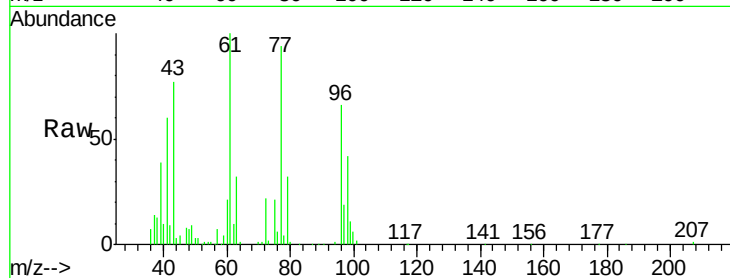


#27

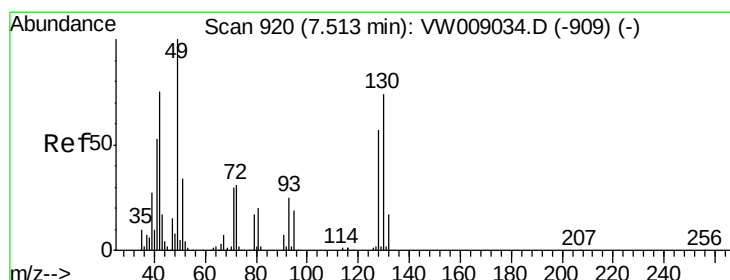
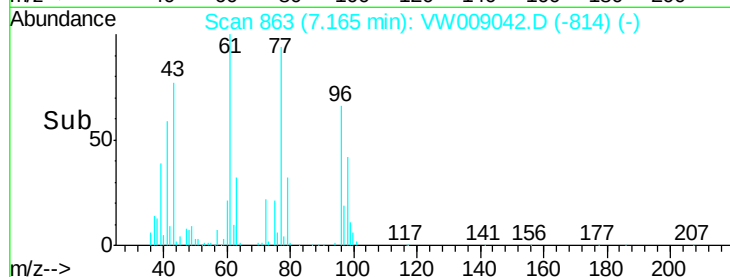
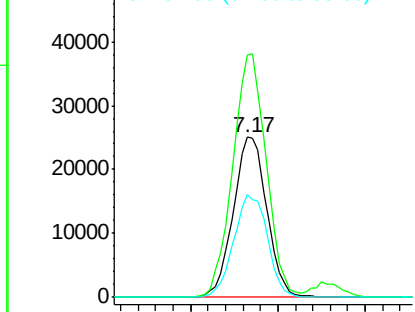
cis-1,2-Dichloroethene
Concen: 20.537 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0307SBSD01

Tgt Ion: 96 Resp: 66740
Ion Ratio Lower Upper
96 100
61 151.9 0.0 299.8
98 64.3 0.0 127.2



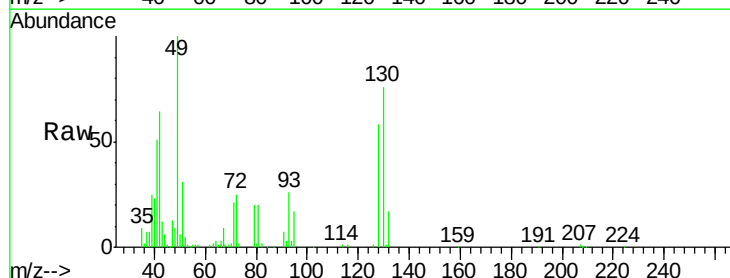
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



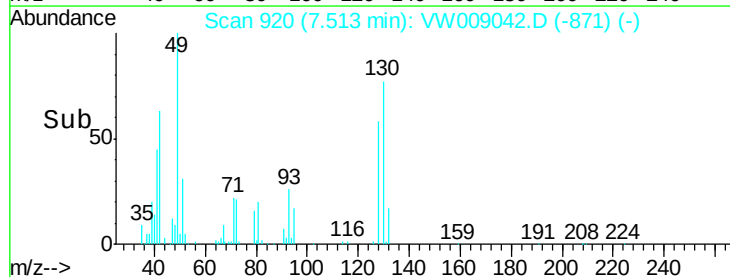
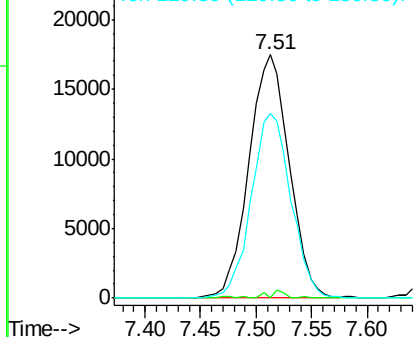
#28

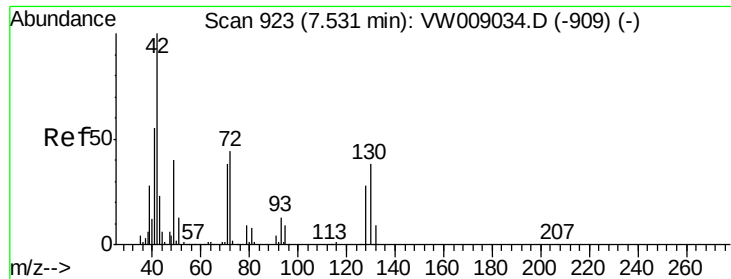
Bromochloromethane
Concen: 19.924 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

Tgt Ion: 49 Resp: 44155
Ion Ratio Lower Upper
49 100
129 1.1 0.0 4.6
130 74.5 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

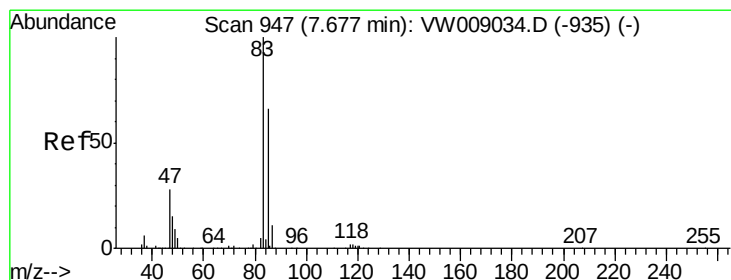
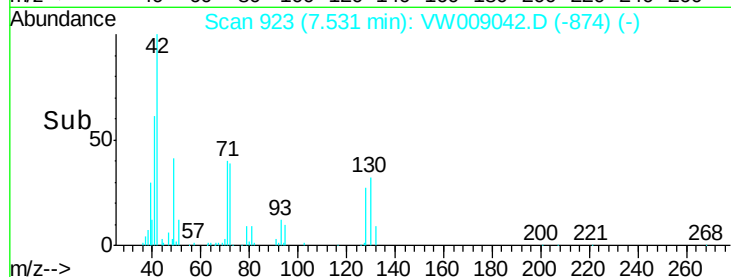
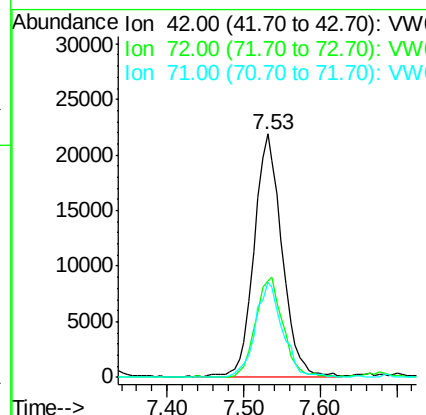
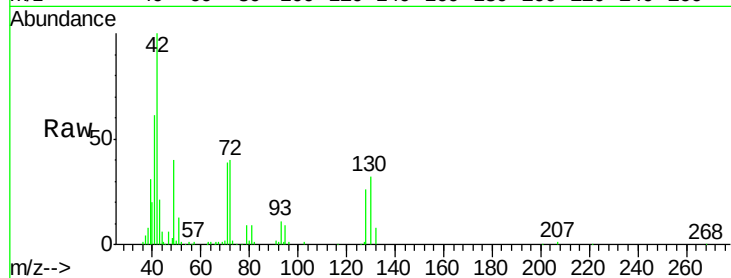




#29
Tetrahydrofuran
Concen: 96.169 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

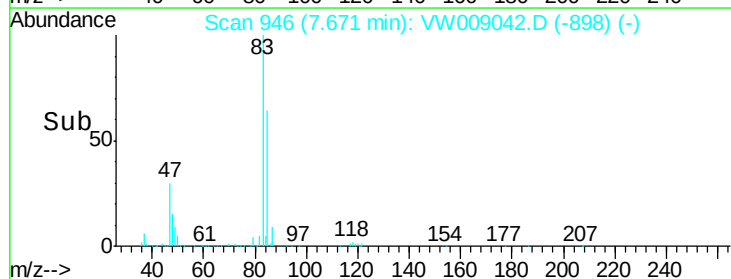
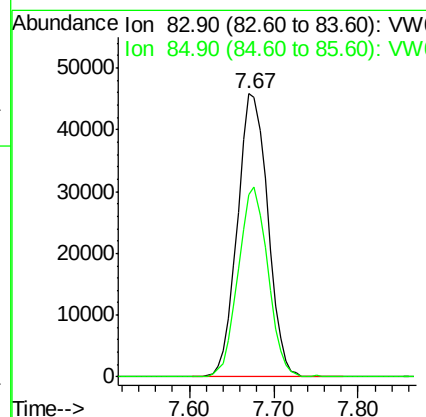
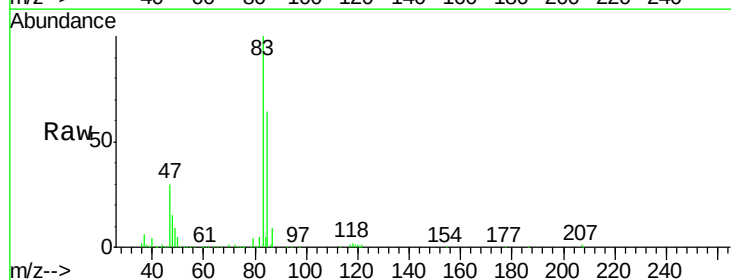
Instrument :
MSVOA_W
ClientSampleId :
VW0307SBSD01

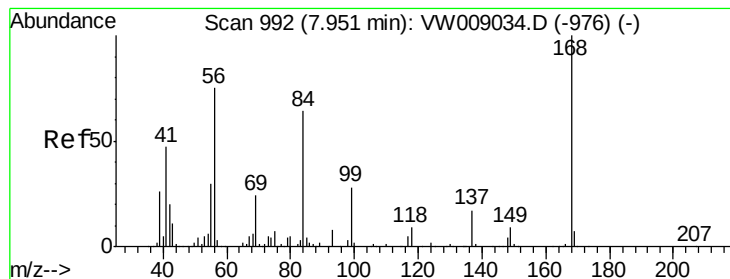
Tgt Ion: 42 Resp: 55445
Ion Ratio Lower Upper
42 100
72 40.4 32.2 48.4
71 37.8 30.7 46.1



#30
Chloroform
Concen: 20.395 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

Tgt Ion: 83 Resp: 111879
Ion Ratio Lower Upper
83 100
85 64.3 53.0 79.6





#31

Cyclohexane

Concen: 20.067 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBSD01

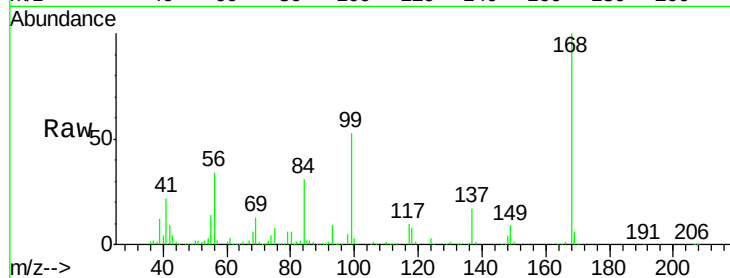
Tgt Ion: 56 Resp: 109786

Ion Ratio Lower Upper

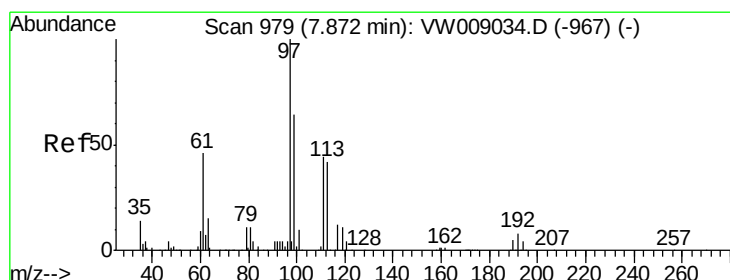
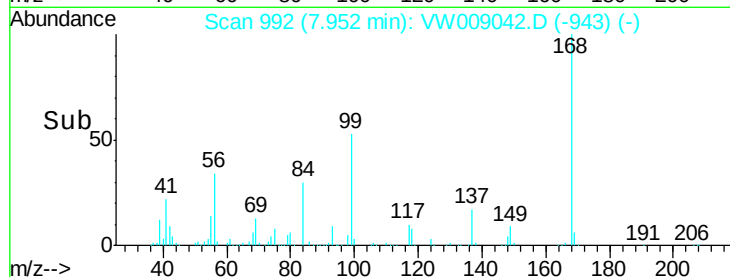
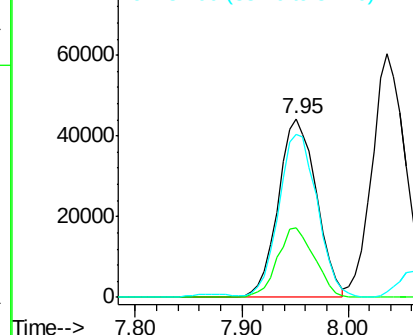
56 100

69 39.1 25.5 38.3#

84 90.4 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: 20.338 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

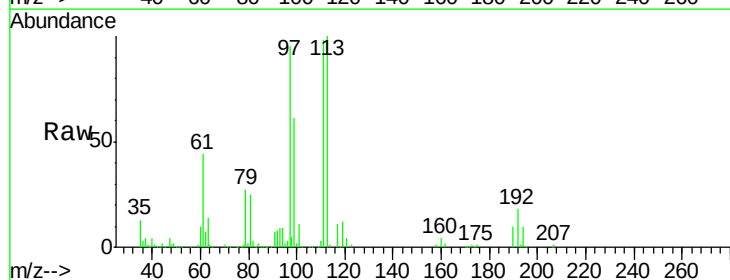
Tgt Ion: 97 Resp: 102960

Ion Ratio Lower Upper

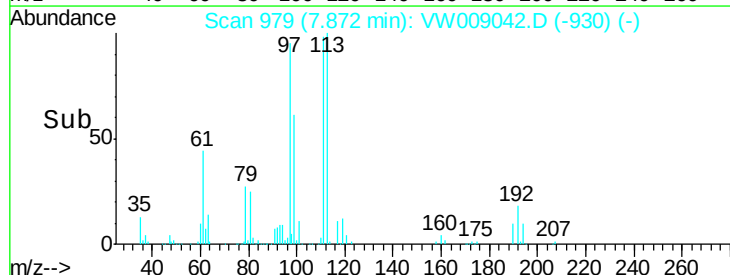
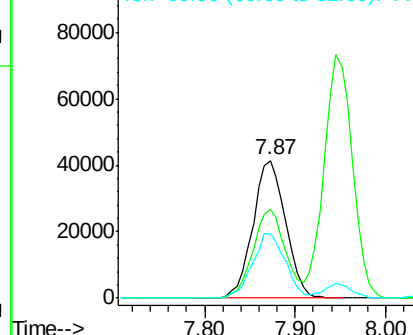
97 100

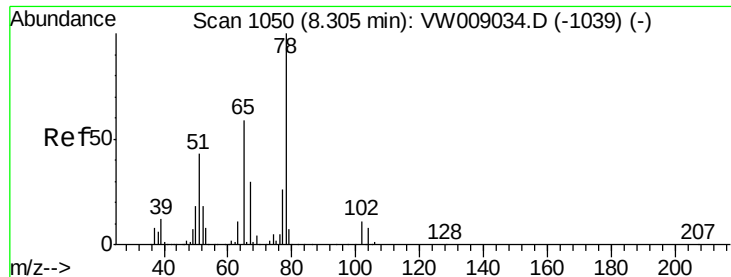
99 64.3 51.8 77.8

61 47.2 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

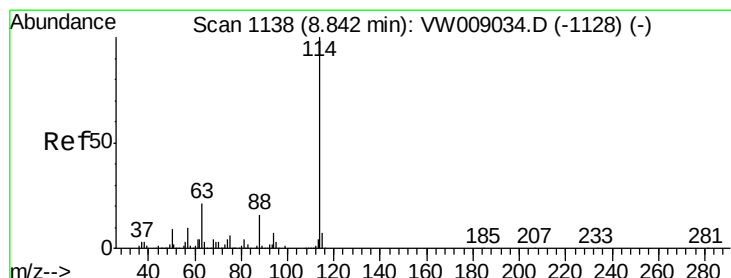
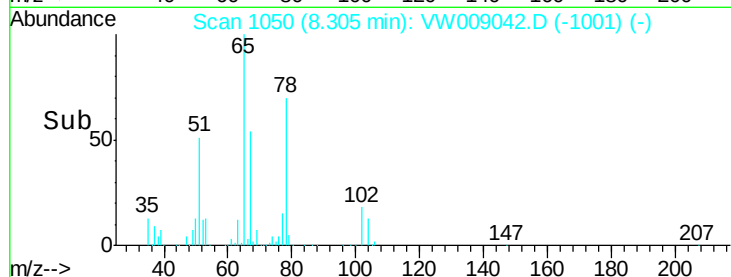
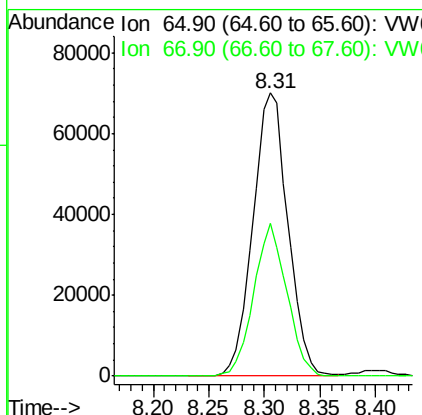
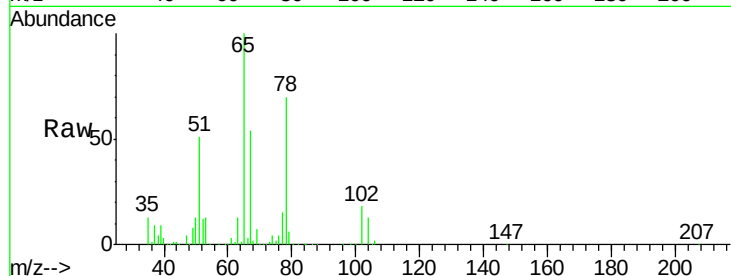




#33
 1,2-Dichloroethane-d4
 Concen: 52.395 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

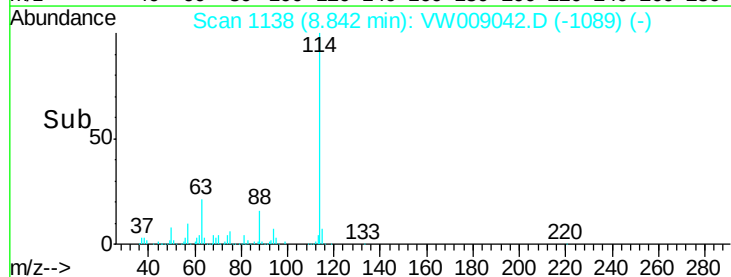
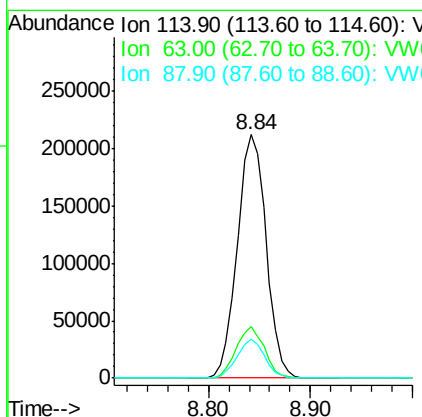
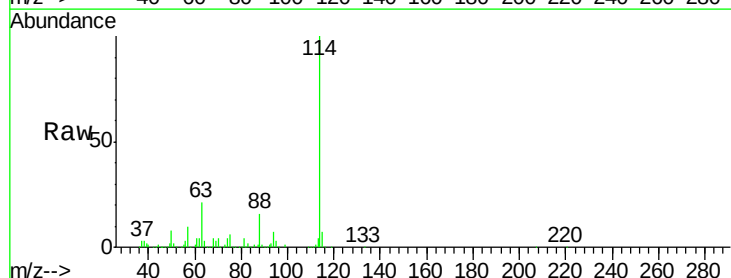
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBSD01

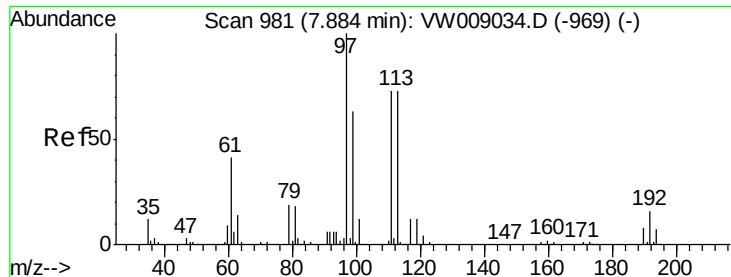
Tgt Ion: 65 Resp: 153705
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

Tgt Ion: 114 Resp: 415589
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.2
 88 15.8 0.0 31.2

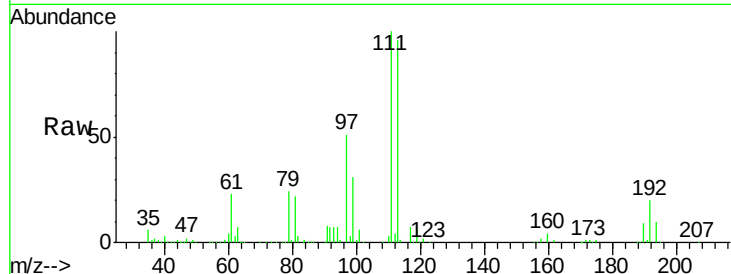




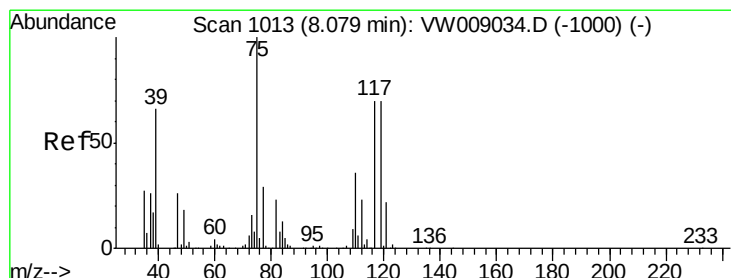
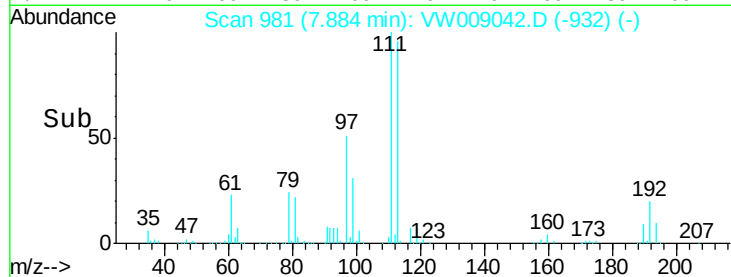
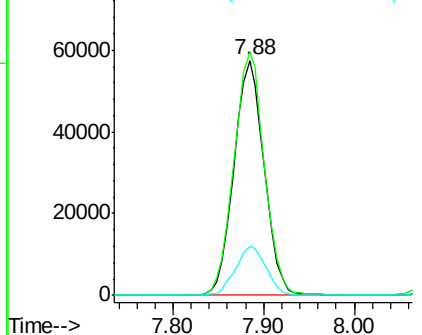
#35
 Dibromofluoromethane
 Concen: 53.010 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBSD01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.0	121.4
192	21.3	17.1	25.7

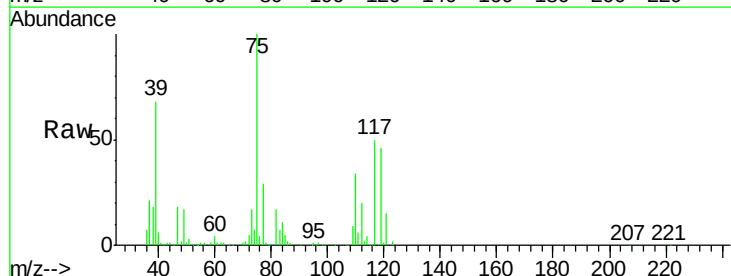


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

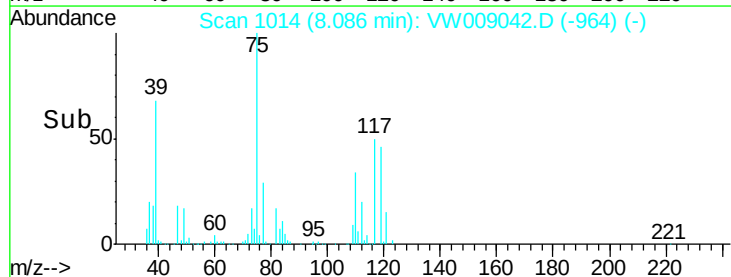
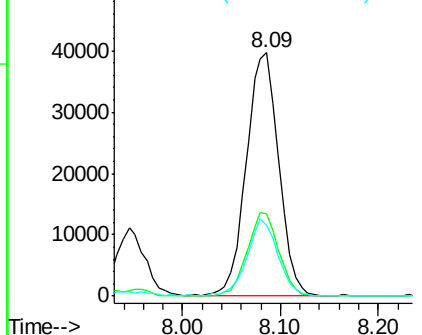


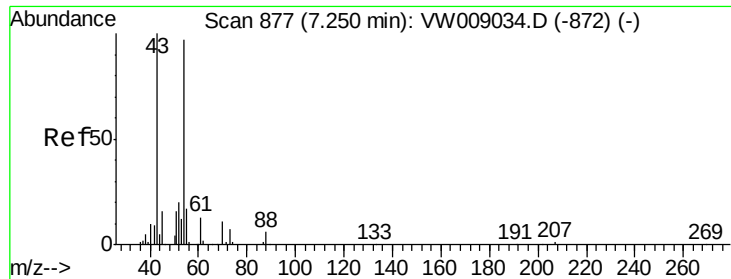
#36
 1,1-Dichloropropene
 Concen: 21.001 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.6	52.9
77	30.5	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

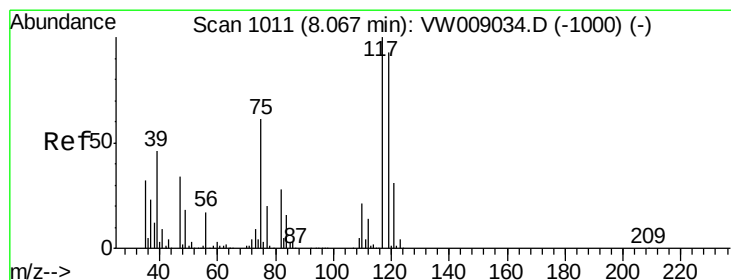
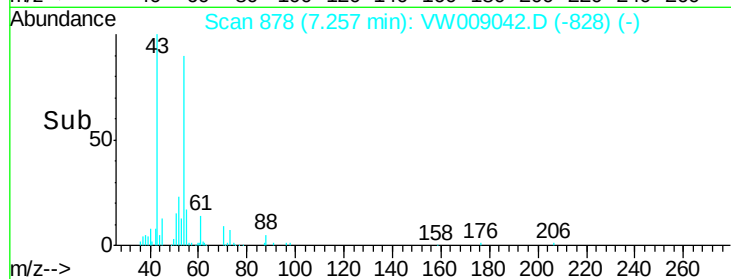
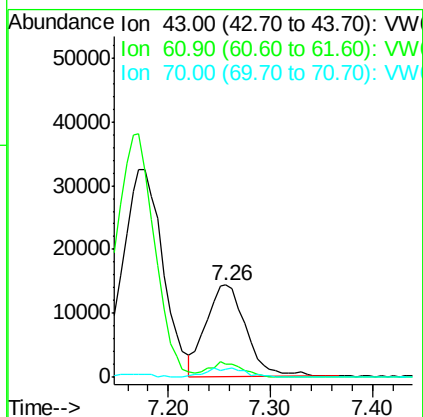
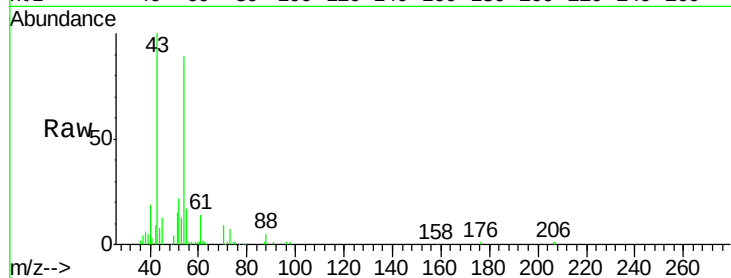




#37
Ethyl Acetate
Concen: 19.072 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

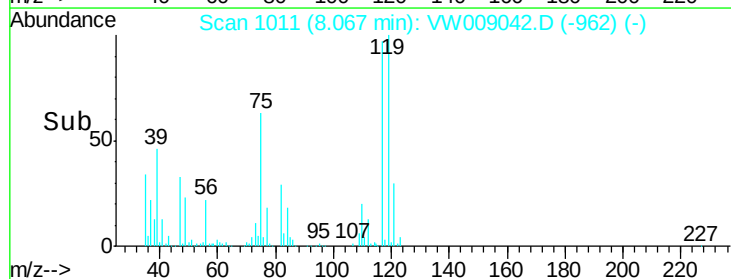
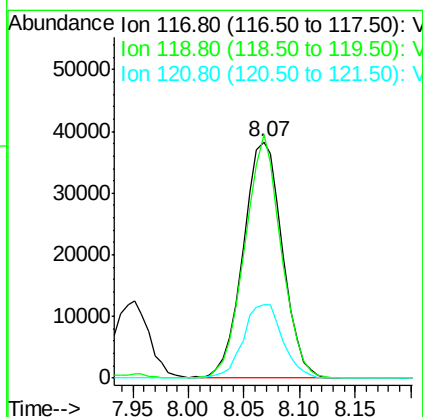
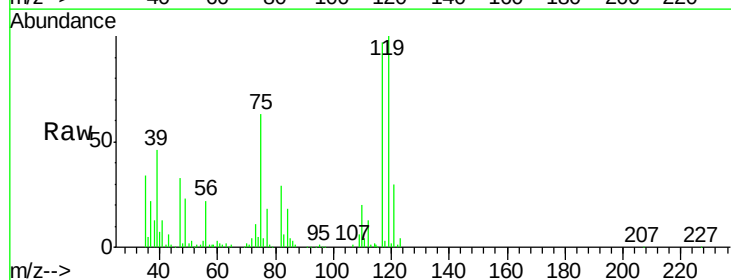
Instrument :
MSVOA_W
ClientSampleId :
VW0307SBSD01

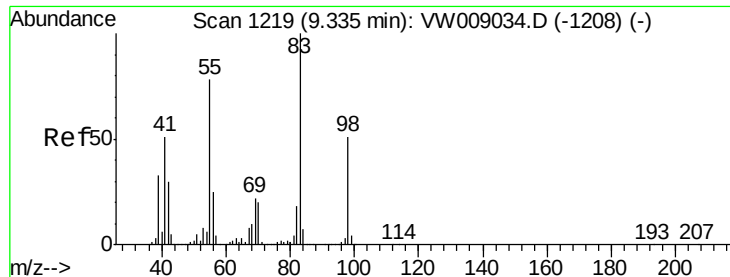
Tgt Ion: 43 Resp: 38929
Ion Ratio Lower Upper
43 100
61 14.3 9.8 14.6
70 10.1 7.2 10.8



#38
Carbon Tetrachloride
Concen: 20.898 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

Tgt Ion: 117 Resp: 93783
Ion Ratio Lower Upper
117 100
119 103.2 74.6 112.0
121 31.1 24.7 37.1

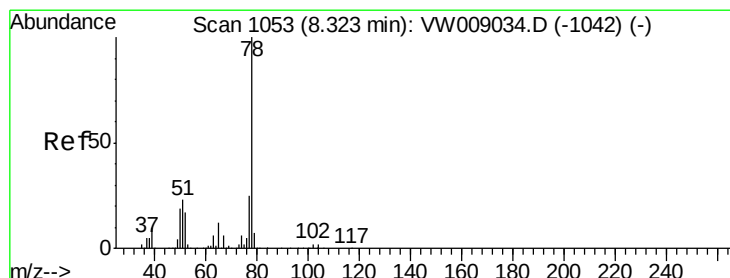
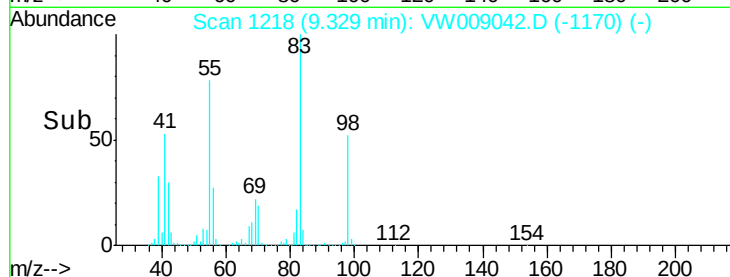
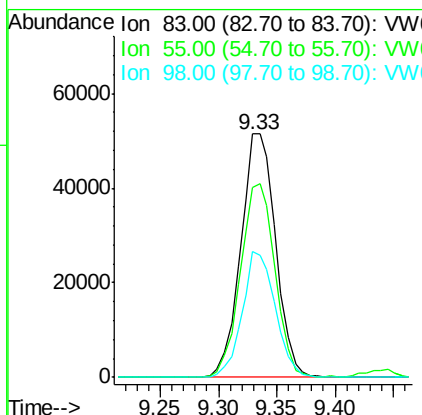
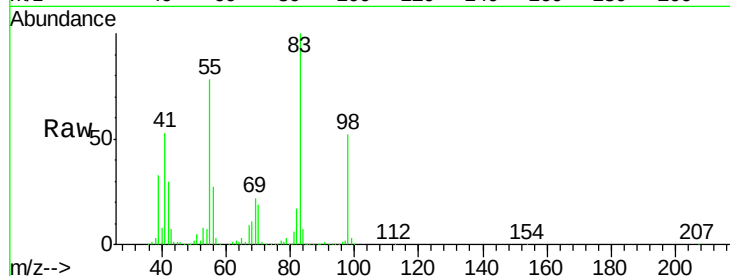




#39
Methylcyclohexane
Concen: 20.674 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

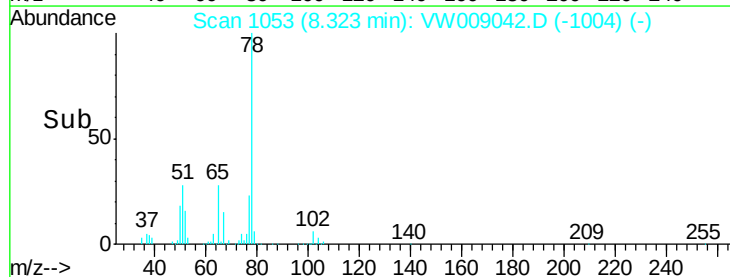
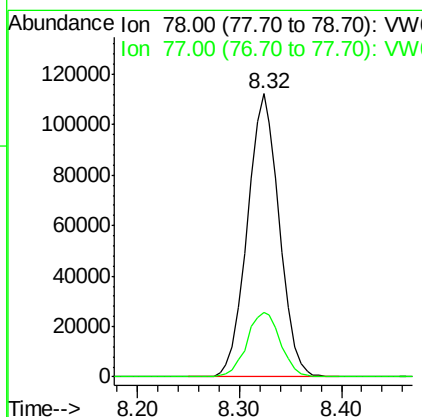
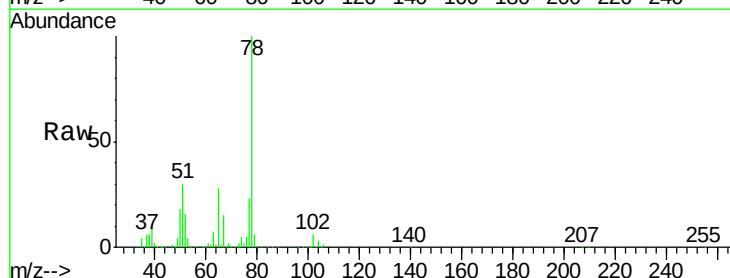
Instrument :
MSVOA_W
ClientSampleId :
VW0307SBSD01

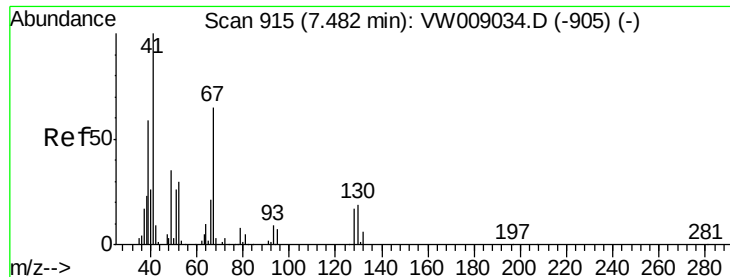
Tgt Ion: 83 Resp: 107005
Ion Ratio Lower Upper
83 100
55 77.8 62.7 94.1
98 51.8 40.8 61.2



#40
Benzene
Concen: 20.999 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

Tgt Ion: 78 Resp: 243591
Ion Ratio Lower Upper
78 100
77 22.7 20.2 30.4

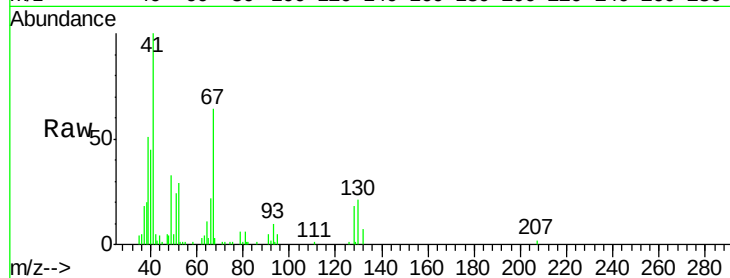




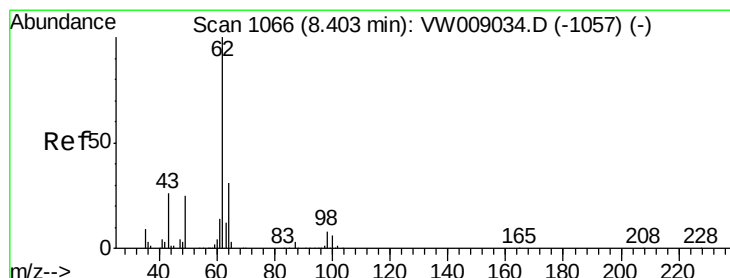
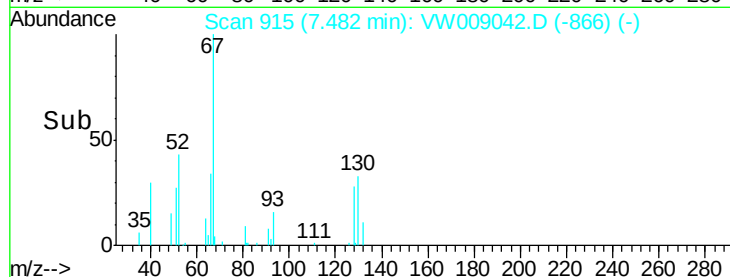
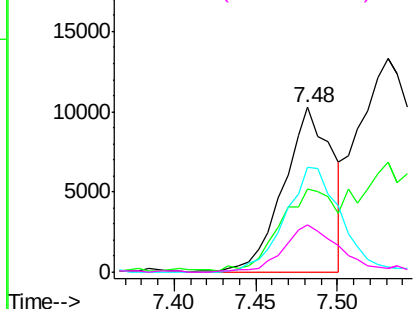
#41
Methacrylonitrile
Concen: 18.819 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0307SBSD01

Tgt Ion:	41	Resp:	21331
Ion	Ratio	Lower	Upper
41	100		
39	54.9	53.6	80.4
67	73.3	57.6	86.4
52	33.8	26.0	39.0

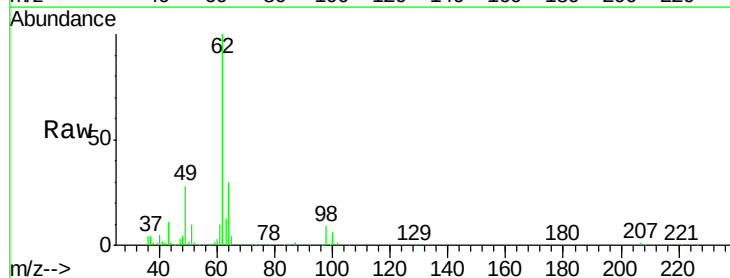


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

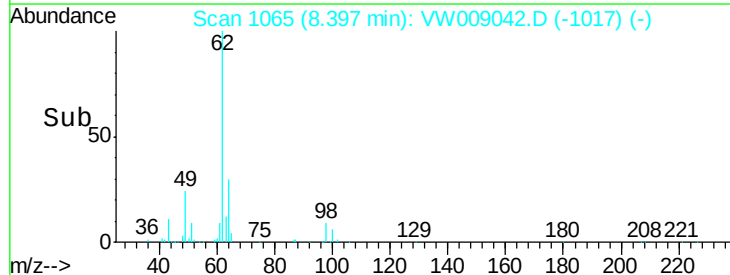
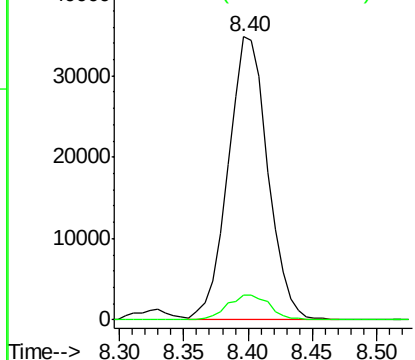


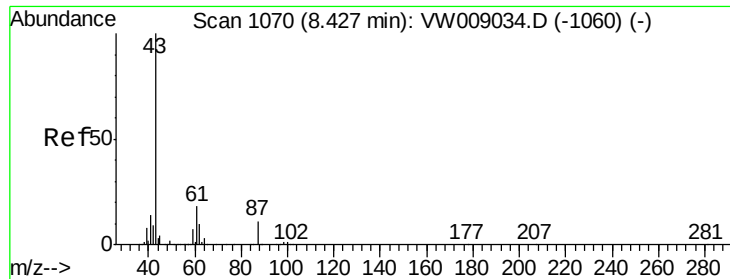
#42
1,2-Dichloroethane
Concen: 19.916 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

Tgt Ion:	62	Resp:	74585
Ion	Ratio	Lower	Upper
62	100		
98	9.4	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: 19.585 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBSD01

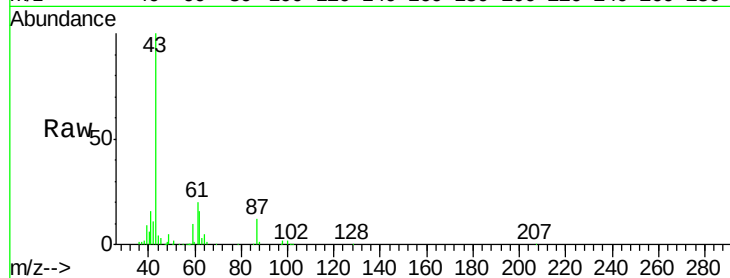
Tgt Ion: 43 Resp: 74452

Ion Ratio Lower Upper

43 100

61 28.4 22.8 34.2

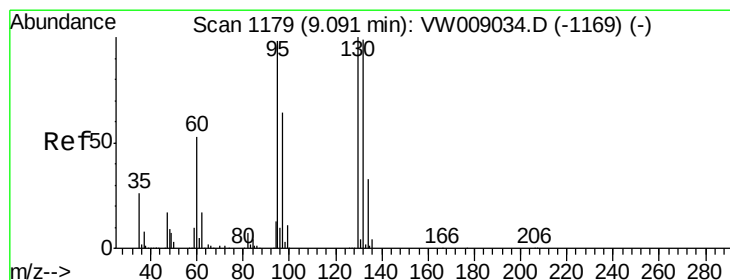
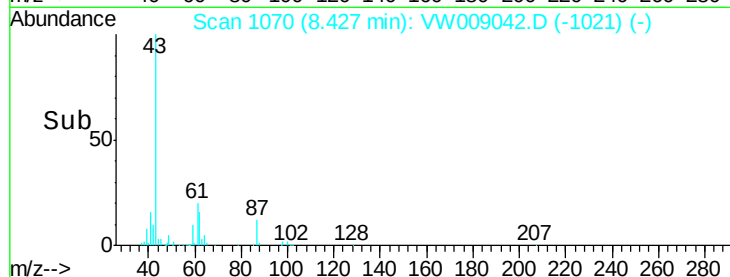
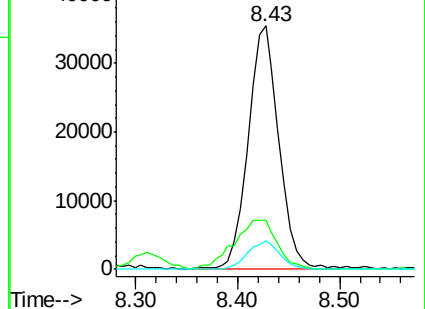
87 12.2 9.4 14.2



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: 20.929 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009042.D

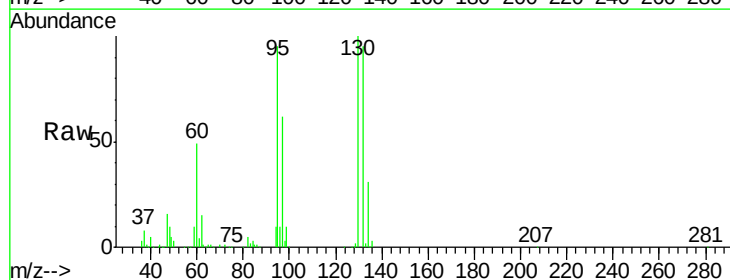
Acq: 07 Mar 2019 16:22

Tgt Ion: 130 Resp: 68044

Ion Ratio Lower Upper

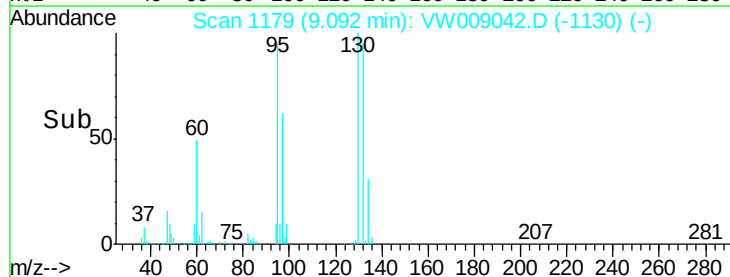
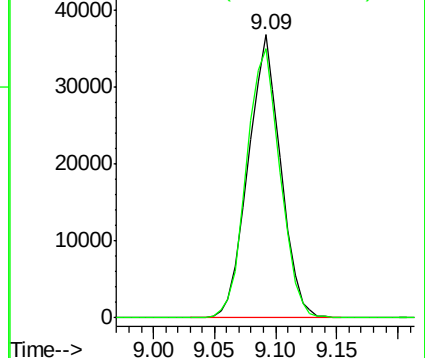
130 100

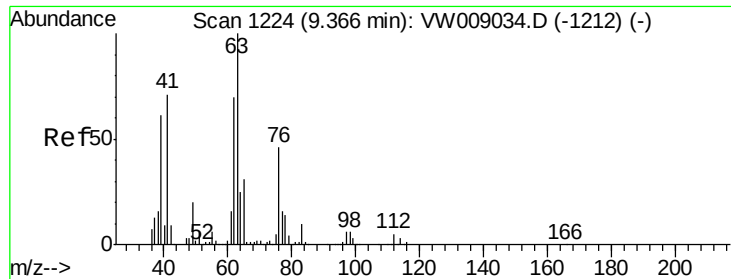
95 95.0 0.0 197.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

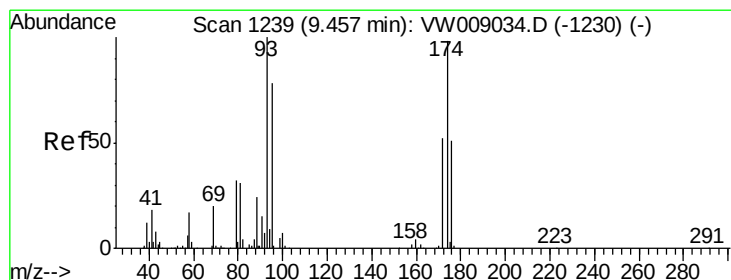
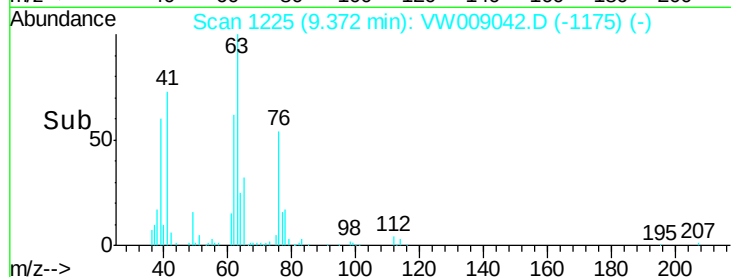
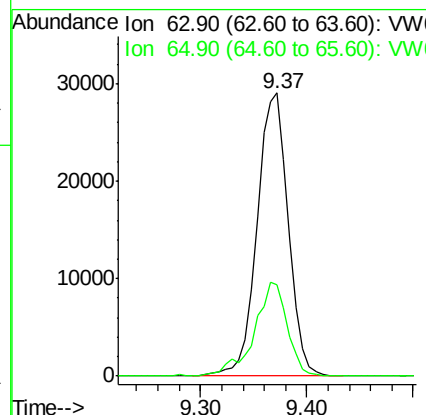
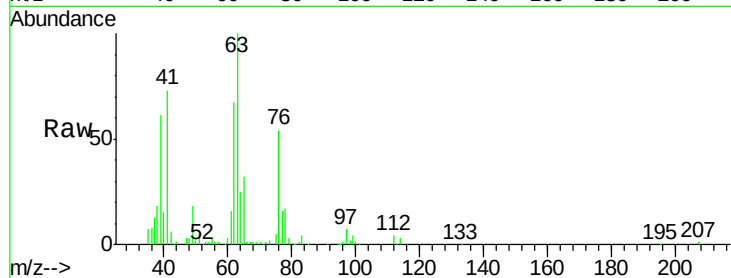




#45
 1,2-Dichloropropane
 Concen: 20.539 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

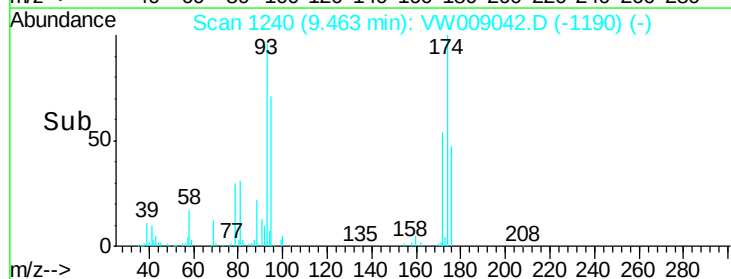
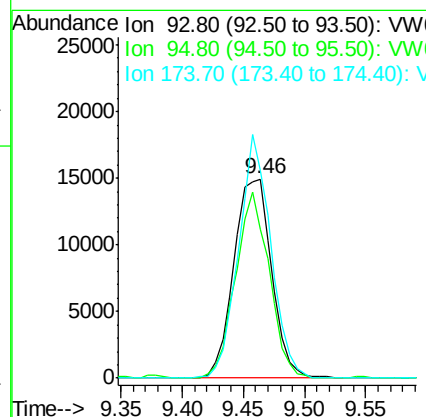
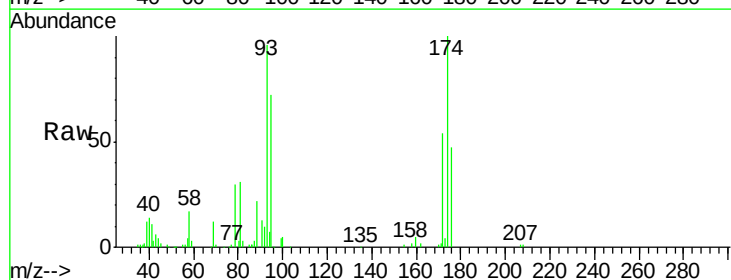
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBS01

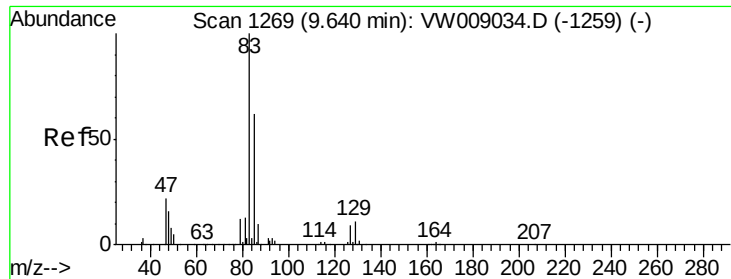
Tgt Ion: 63 Resp: 59673
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.9 37.3



#46
 Dibromomethane
 Concen: 20.163 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

Tgt Ion: 93 Resp: 31992
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.0 97.6
 174 104.2 81.8 122.6





#47

Bromodichloromethane

Concen: 20.209 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBS01

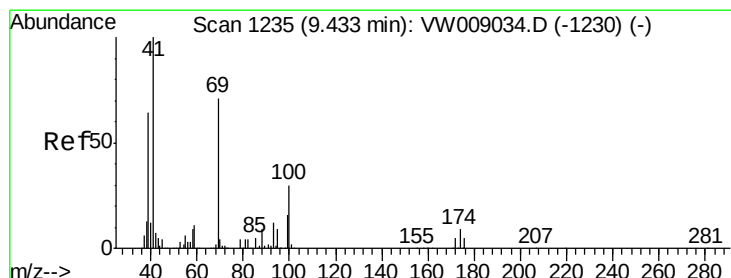
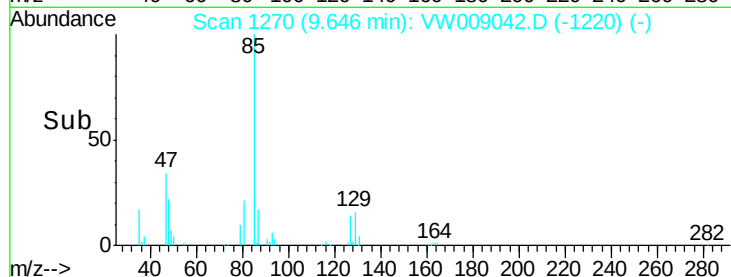
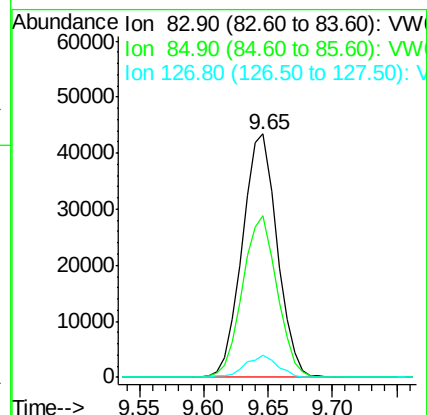
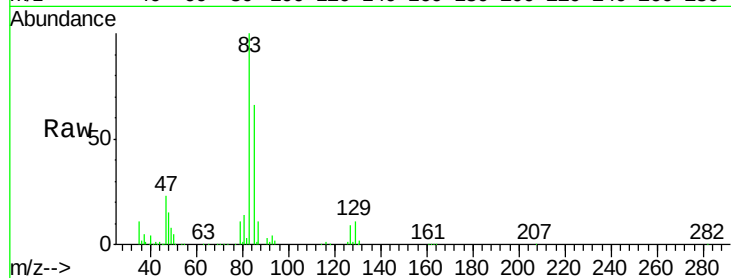
Tgt Ion: 83 Resp: 81168

Ion Ratio Lower Upper

83 100

85 66.0 49.9 74.9

127 9.3 7.1 10.7



#48

Methyl methacrylate

Concen: 18.687 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

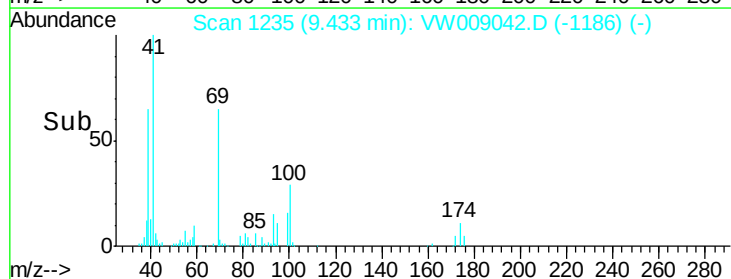
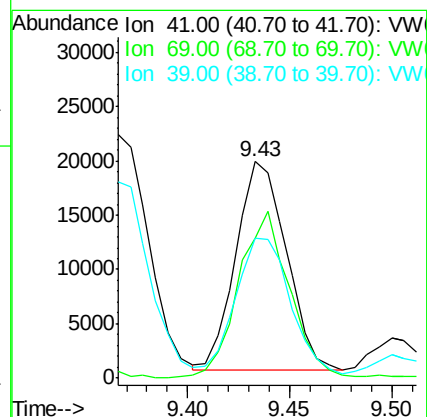
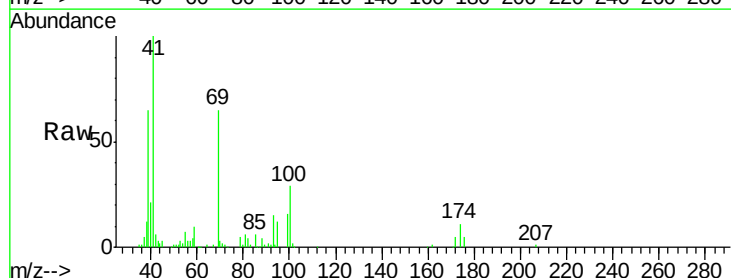
Tgt Ion: 41 Resp: 33078

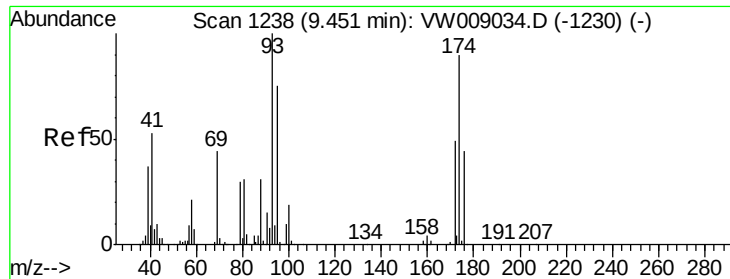
Ion Ratio Lower Upper

41 100

69 80.8 59.1 88.7

39 70.1 48.9 73.3





#49

1,4-Dioxane

Concen: 364.154 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBSD01

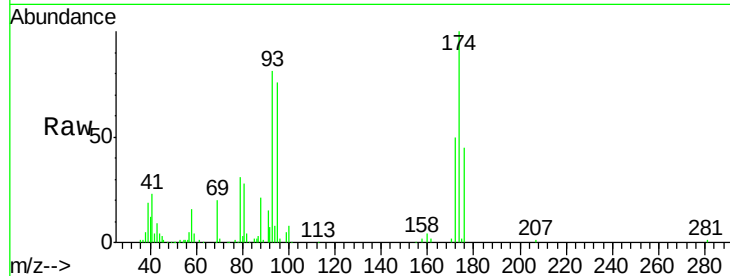
Tgt Ion: 88 Resp: 8274

Ion Ratio Lower Upper

88 100

43 32.6 29.0 43.4

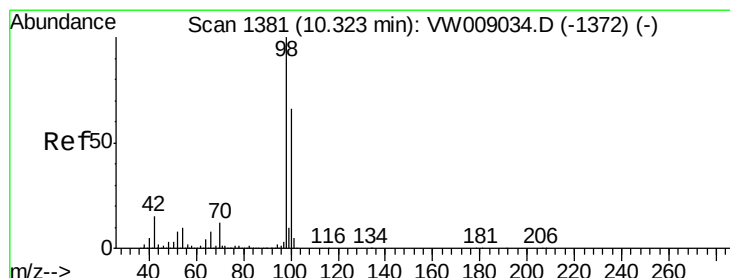
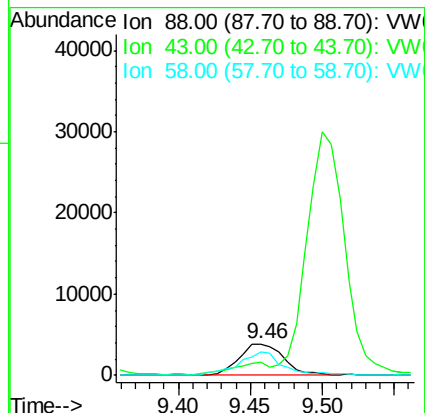
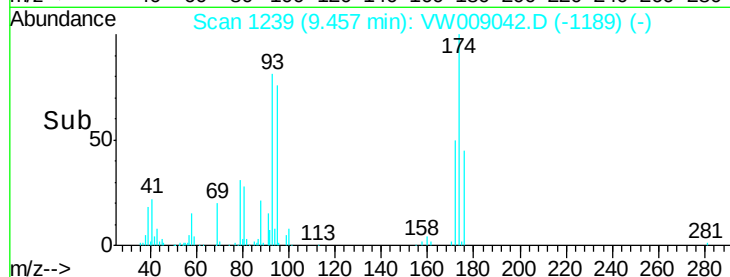
58 75.9 59.2 88.8



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: 53.372 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009042.D

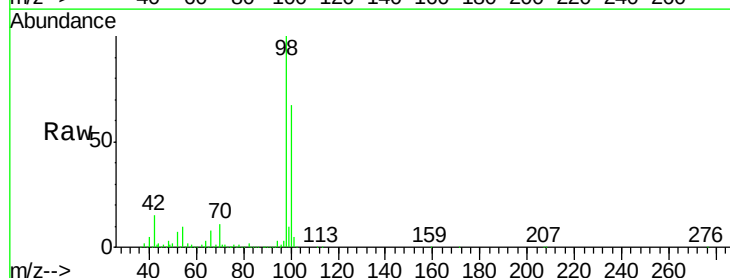
Acq: 07 Mar 2019 16:22

Tgt Ion: 98 Resp: 548507

Ion Ratio Lower Upper

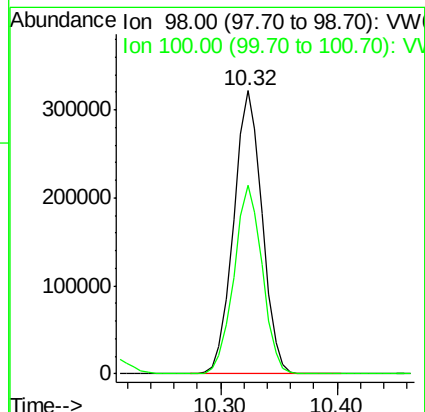
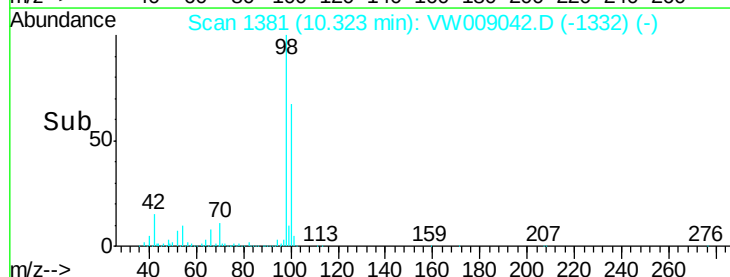
98 100

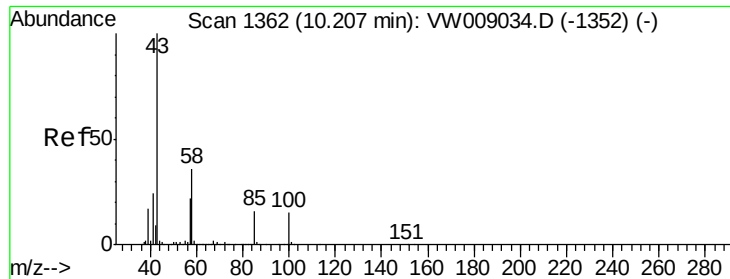
100 66.0 51.9 77.9



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: 96.504 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

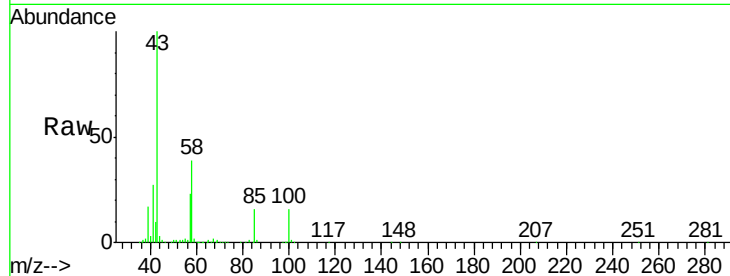
VW0307SBS01

Tgt Ion: 43 Resp: 186244

Ion Ratio Lower Upper

43 100

58 36.5 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

120000

100000

80000

60000

40000

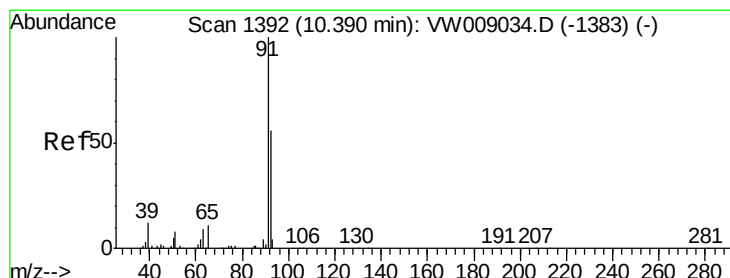
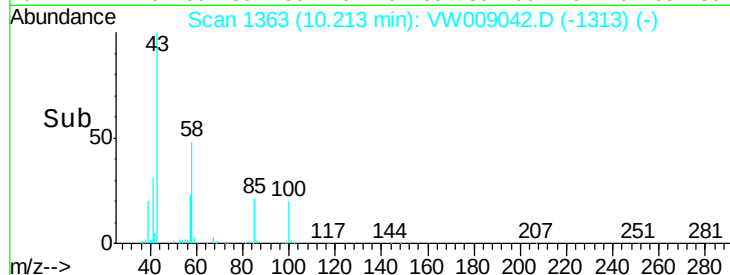
20000

0

10.20

10.30

Time-->



#52

Toluene

Concen: 20.267 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009042.D

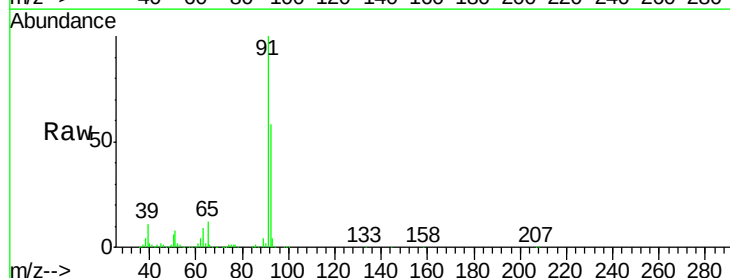
Acq: 07 Mar 2019 16:22

Tgt Ion: 92 Resp: 159441

Ion Ratio Lower Upper

92 100

91 172.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

150000

100000

50000

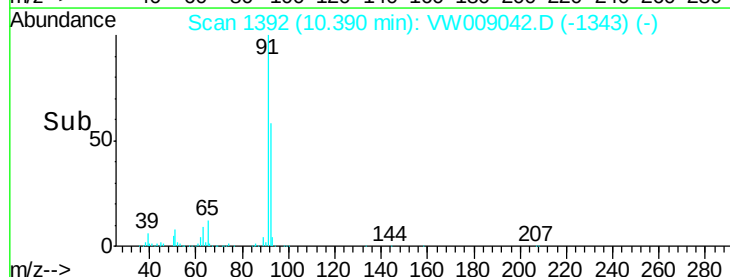
0

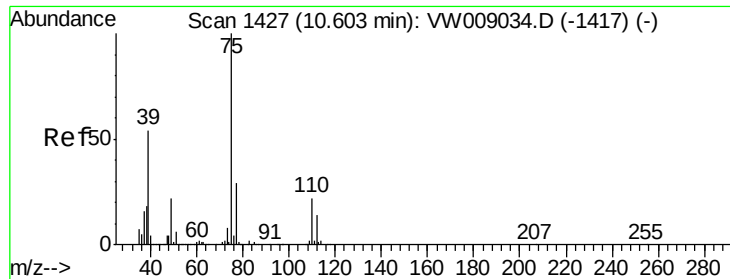
10.30

10.40

10.50

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.189 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

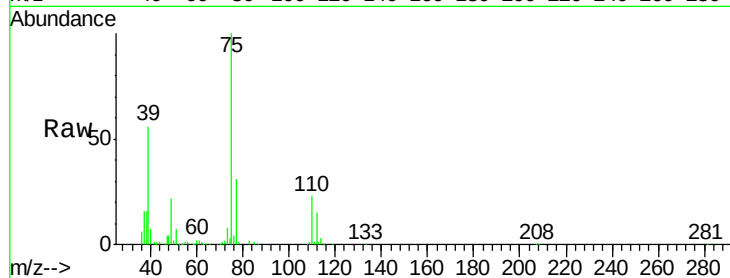
VW0307SBSD01

Tgt Ion: 75 Resp: 80199

Ion Ratio Lower Upper

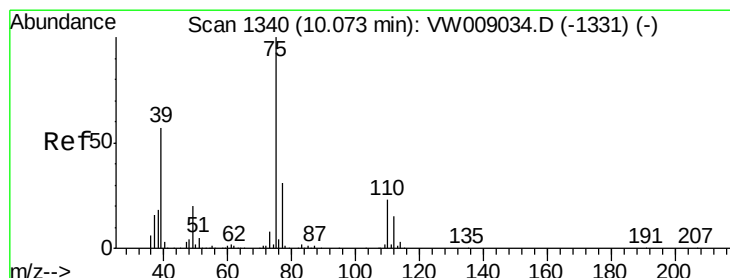
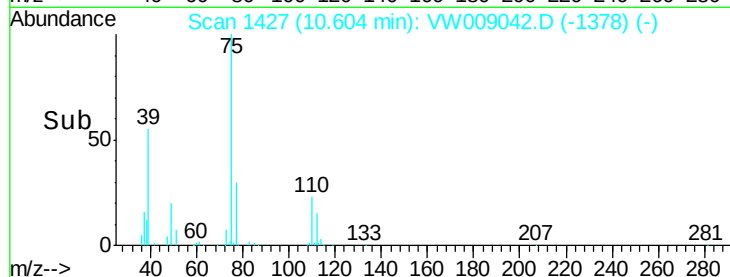
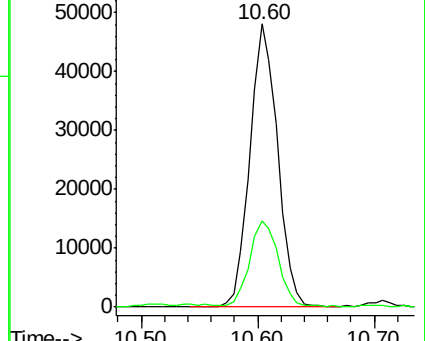
75 100

77 30.4 23.6 35.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 20.976 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

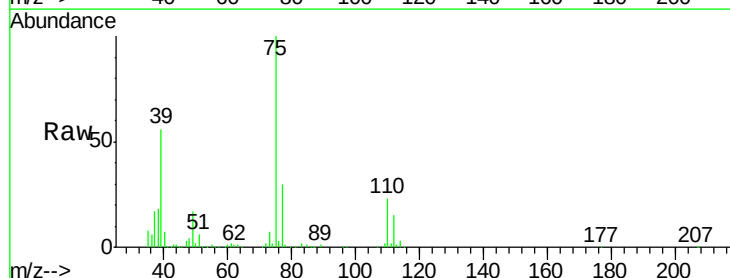
Tgt Ion: 75 Resp: 95756

Ion Ratio Lower Upper

75 100

77 29.6 24.6 36.8

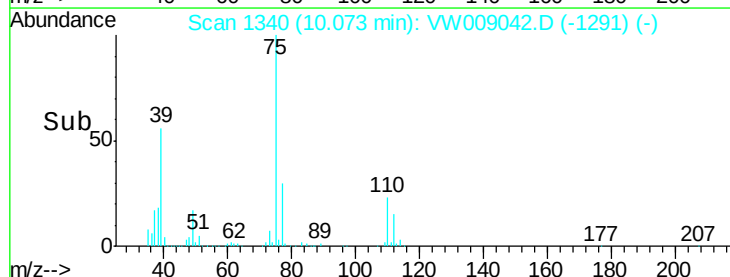
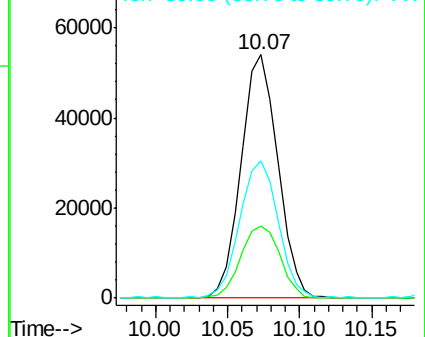
39 56.3 45.9 68.9

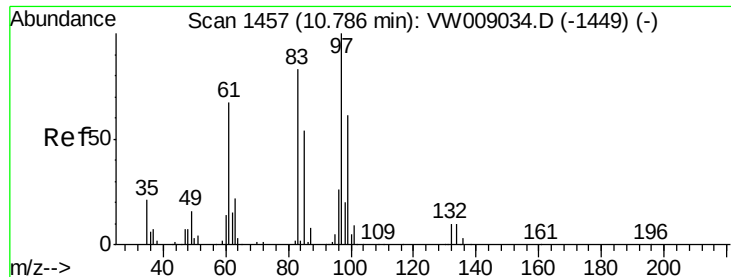


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

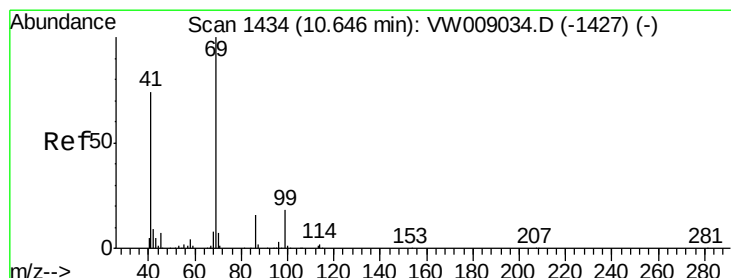
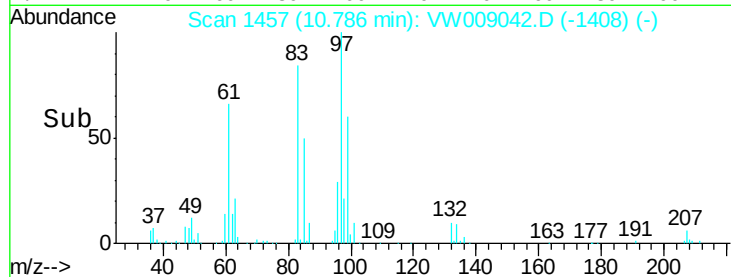
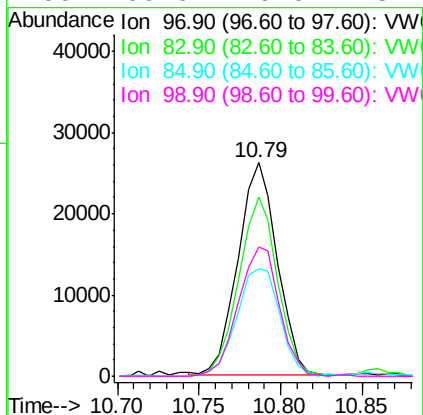
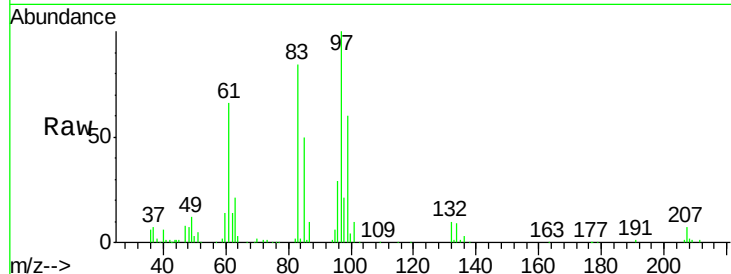




#55
 1,1,2-Trichloroethane
 Concen: 20.420 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

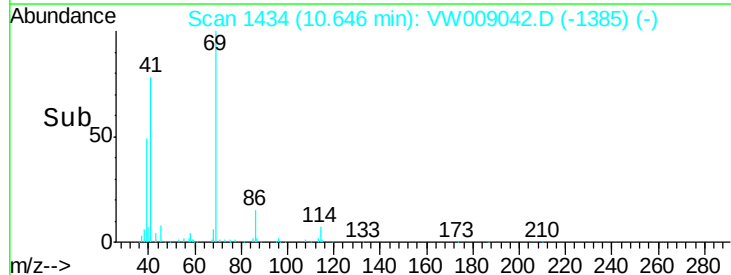
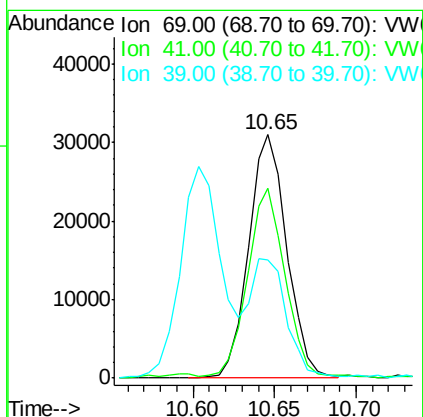
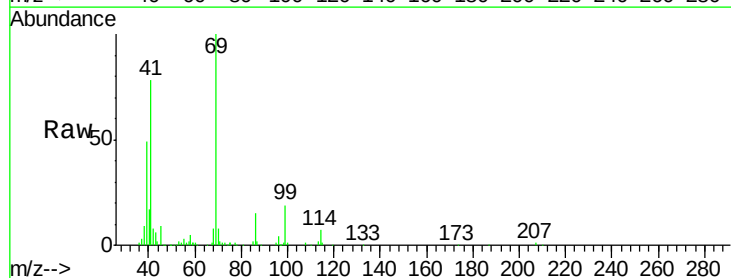
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBSD01

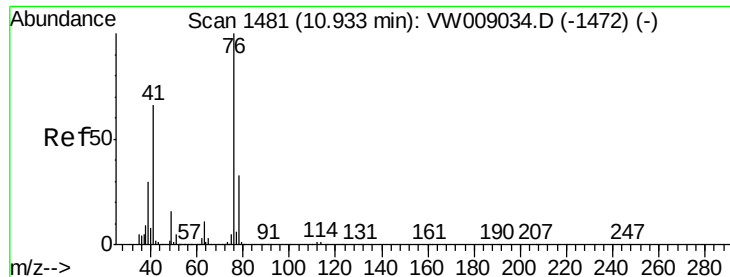
Tgt Ion:	97	Resp:	43914
Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.2	99.2
85	50.6	43.6	65.4
99	60.6	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 18.909 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

Tgt Ion:	69	Resp:	50469
Ion	Ratio	Lower	Upper
69	100		
41	77.0	59.4	89.2
39	46.8	38.5	57.7





#57

1,3-Dichloropropane

Concen: 20.470 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

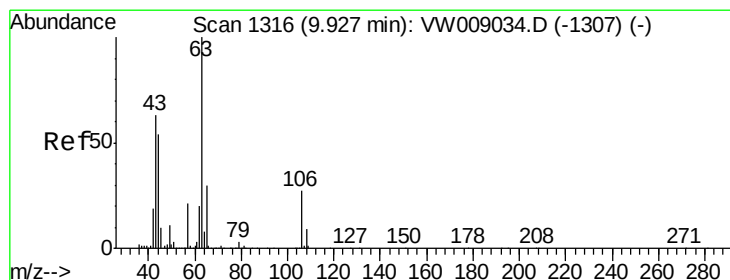
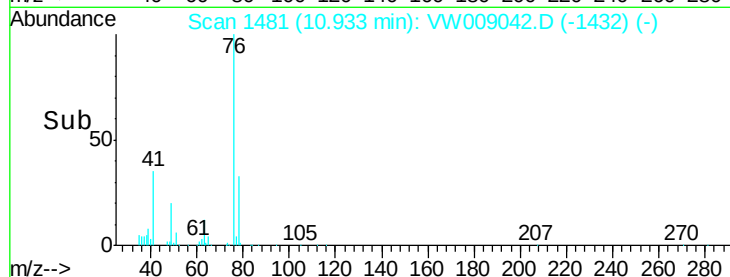
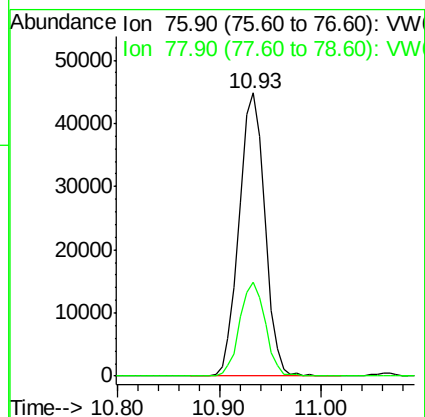
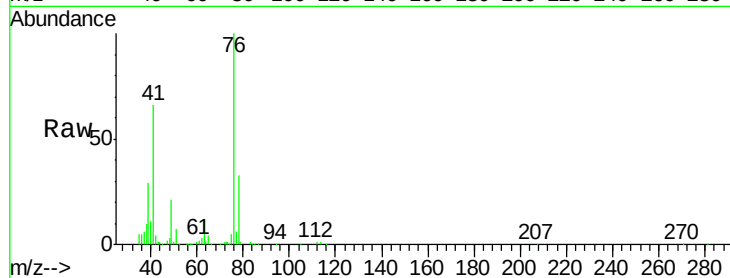
VW0307SBSD01

Tgt Ion: 76 Resp: 77984

Ion Ratio Lower Upper

76 100

78 33.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 98.680 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW009042.D

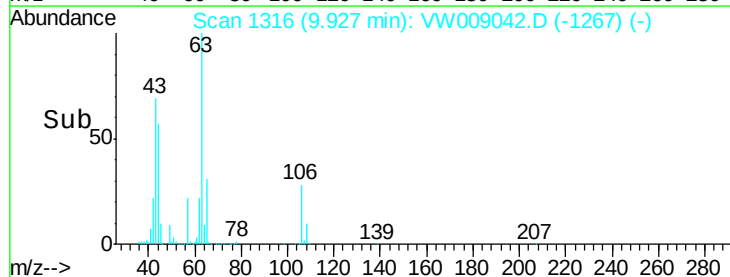
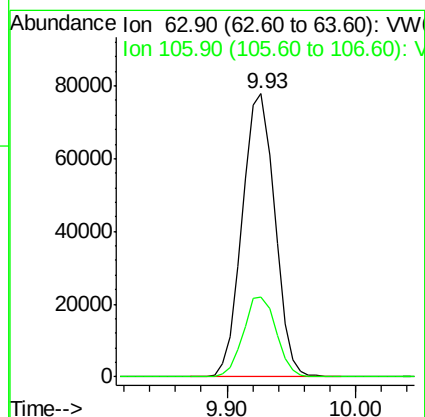
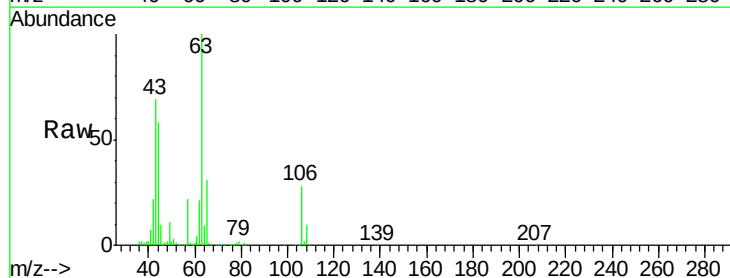
Acq: 07 Mar 2019 16:22

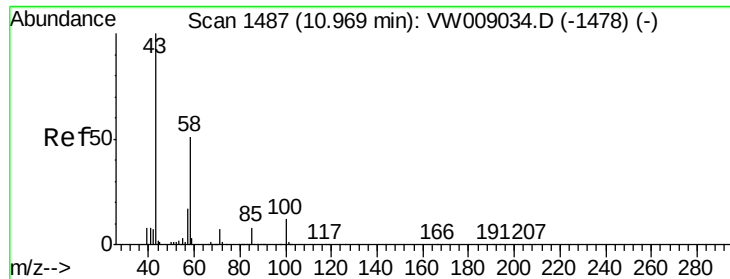
Tgt Ion: 63 Resp: 136539

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6





#59

2-Hexanone

Concen: 99.367 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

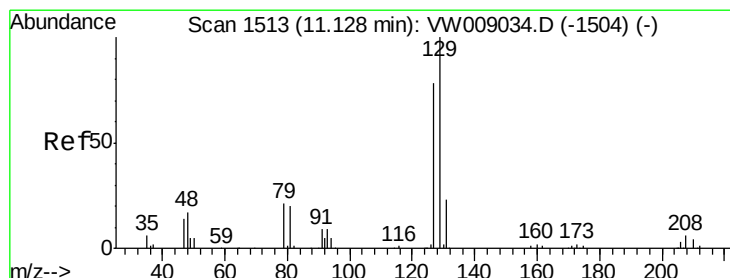
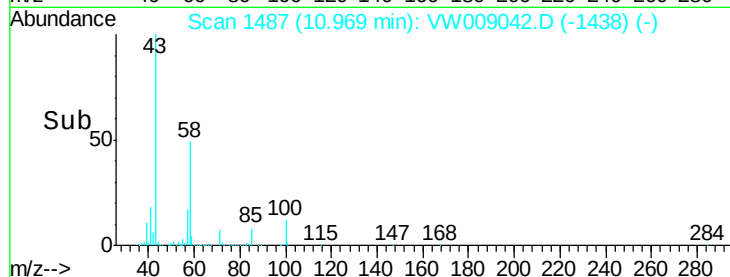
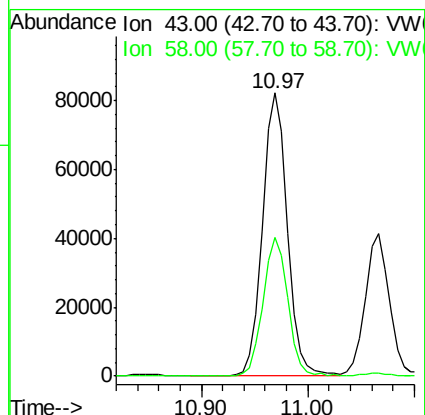
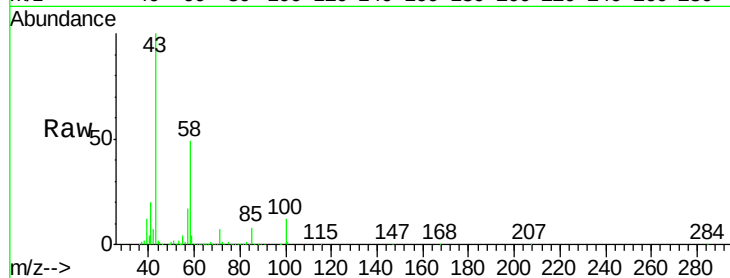
VW0307SBSD01

Tgt Ion: 43 Resp: 134831

Ion Ratio Lower Upper

43 100

58 49.1 25.3 75.9



#60

Dibromochloromethane

Concen: 20.458 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009042.D

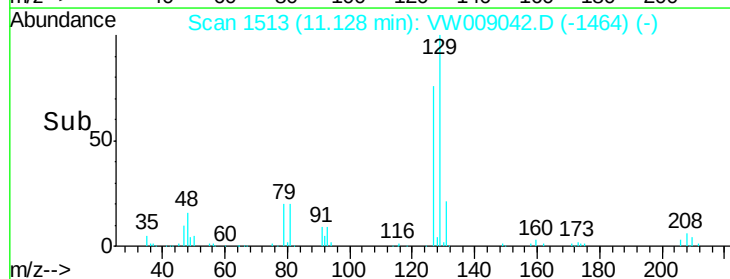
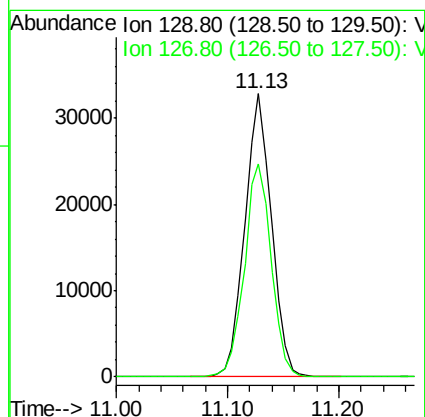
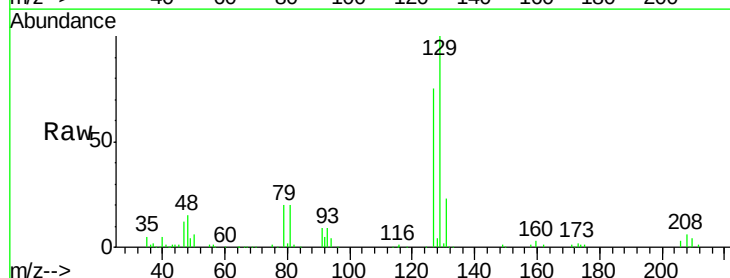
Acq: 07 Mar 2019 16:22

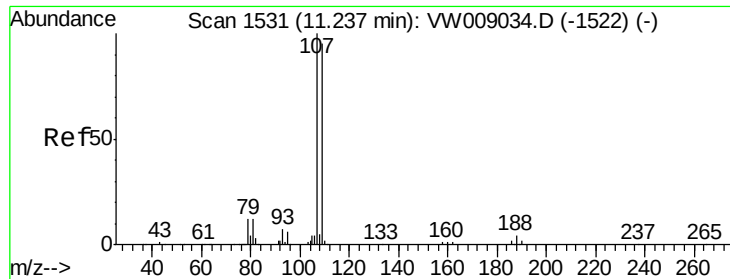
Tgt Ion: 129 Resp: 54449

Ion Ratio Lower Upper

129 100

127 75.7 38.4 115.1

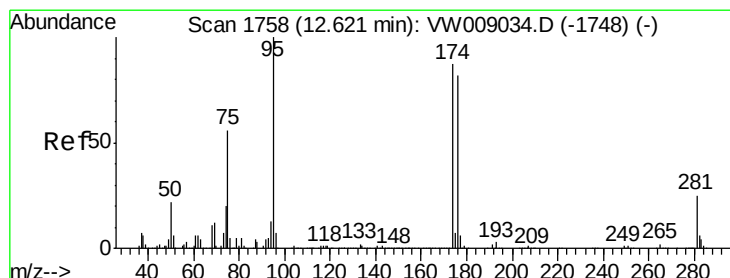
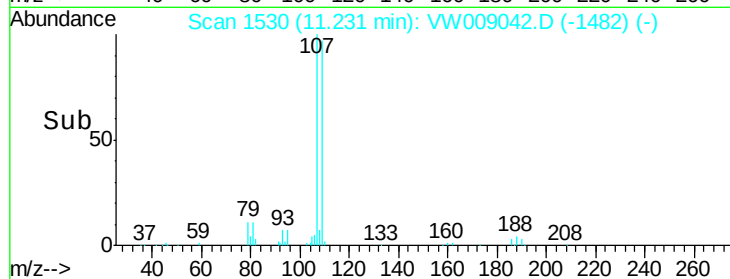
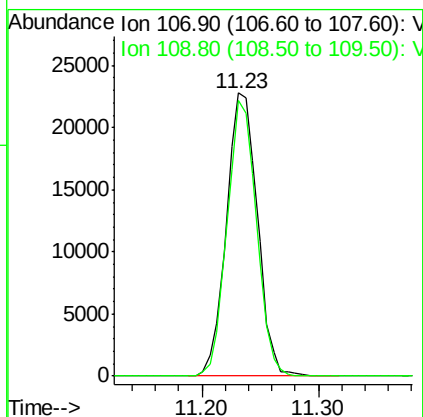
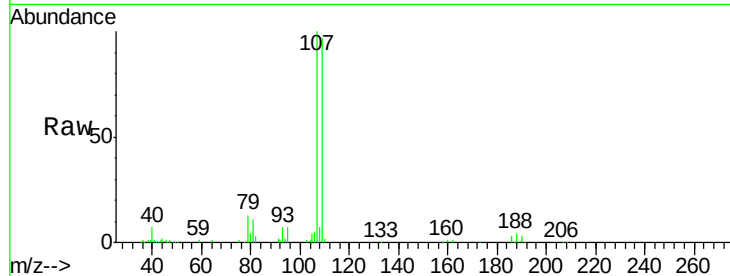




#61
 1,2-Dibromoethane
 Concen: 20.008 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

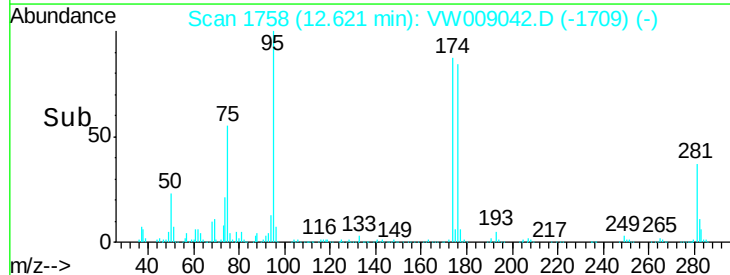
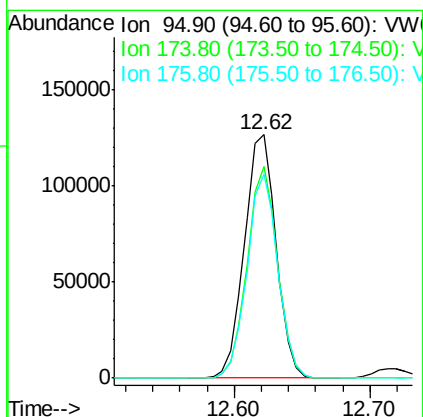
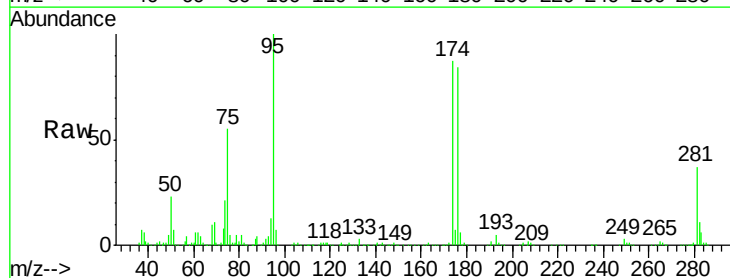
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBSD01

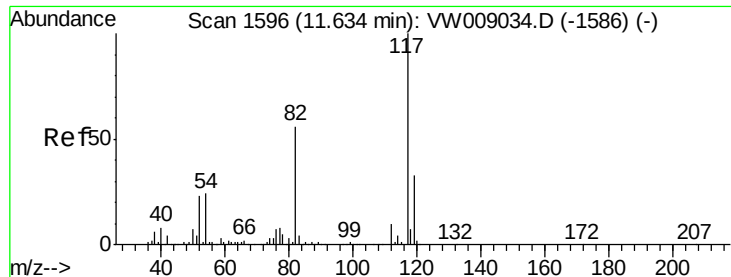
Tgt Ion: 107 Resp: 42183
 Ion Ratio Lower Upper
 107 100
 109 92.2 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 51.061 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

Tgt Ion: 95 Resp: 206576
 Ion Ratio Lower Upper
 95 100
 174 83.6 0.0 167.0
 176 81.3 0.0 159.4

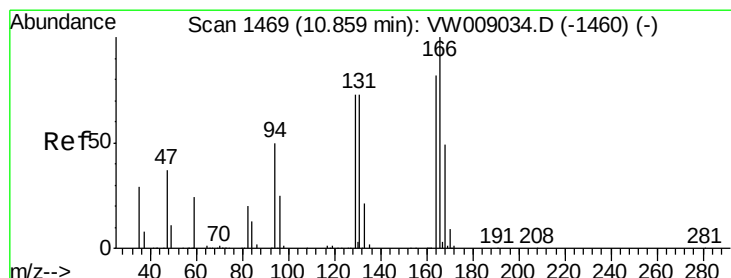
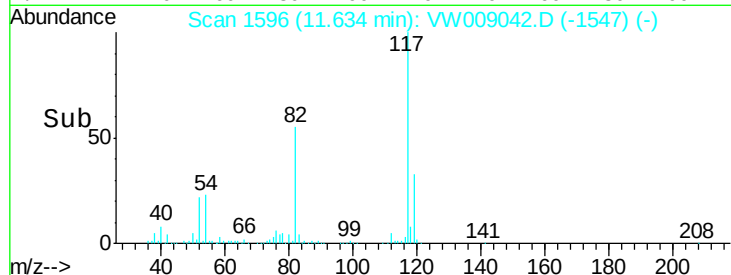
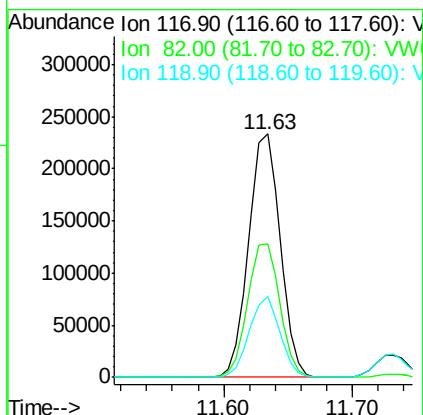
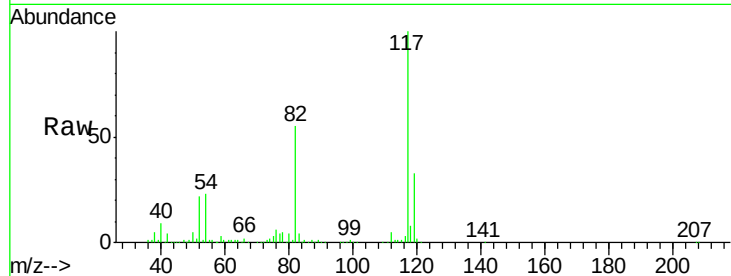




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

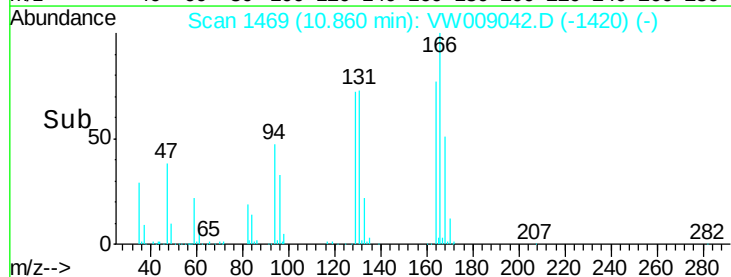
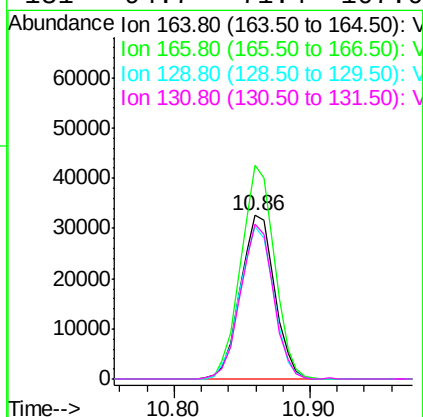
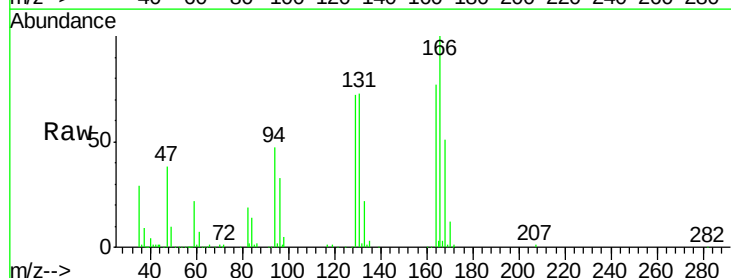
Instrument :
MSVOA_W
ClientSampleId :
VW0307SBSD01

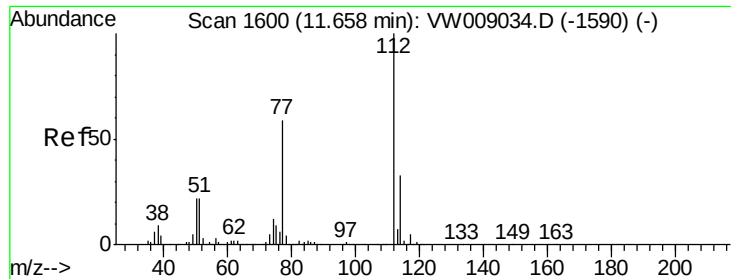
Tgt Ion:117 Resp: 394820
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.6
119 33.1 26.6 39.8



#64
Tetrachloroethene
Concen: 20.233 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

Tgt Ion:164 Resp: 57609
Ion Ratio Lower Upper
164 100
166 130.5 97.8 146.6
129 93.3 71.6 107.4
131 94.7 71.4 107.0

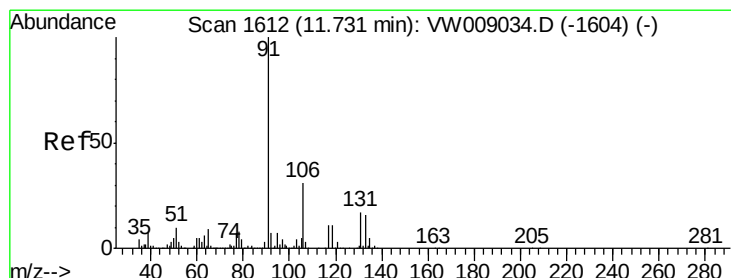
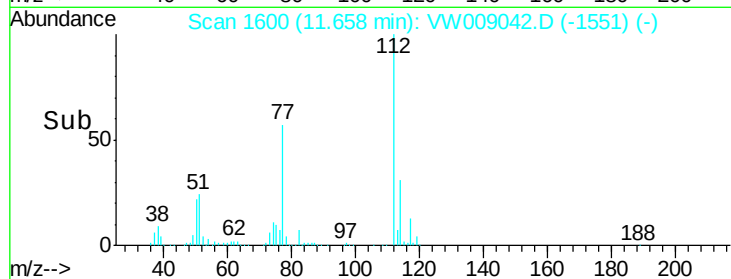
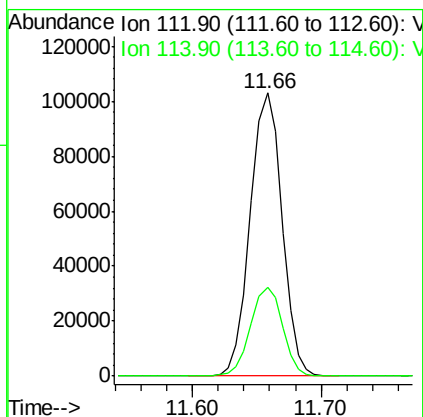
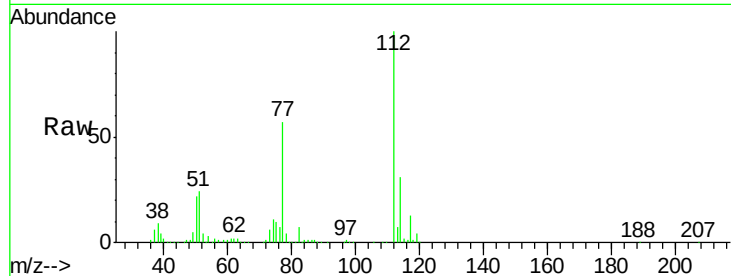




#65
Chlorobenzene
Concen: 20.465 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

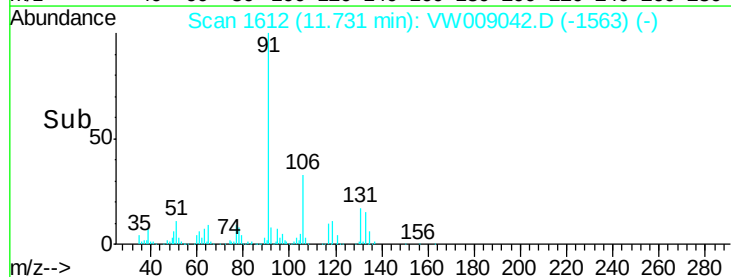
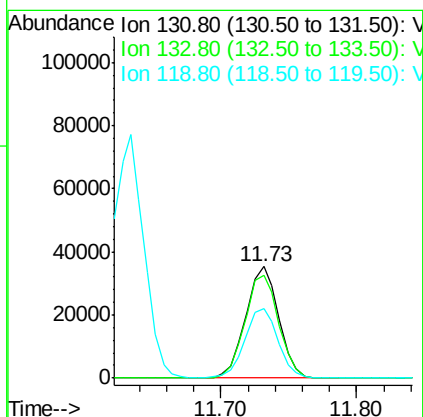
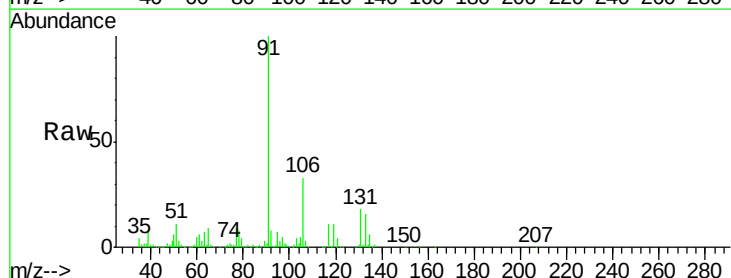
Instrument :
MSVOA_W
ClientSampleId :
VW0307SBSD01

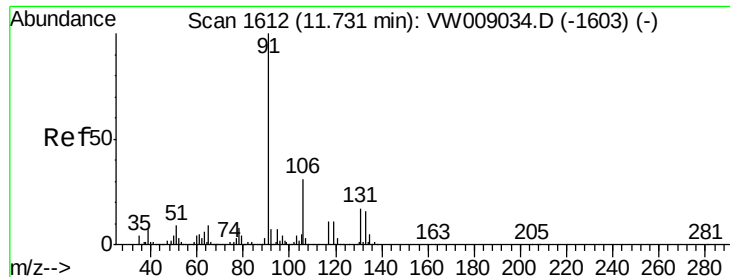
Tgt Ion:112 Resp: 175871
Ion Ratio Lower Upper
112 100
114 31.4 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.807 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

Tgt Ion:131 Resp: 59705
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.8
119 63.4 31.3 93.8





#67

Ethyl Benzene

Concen: 20.154 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

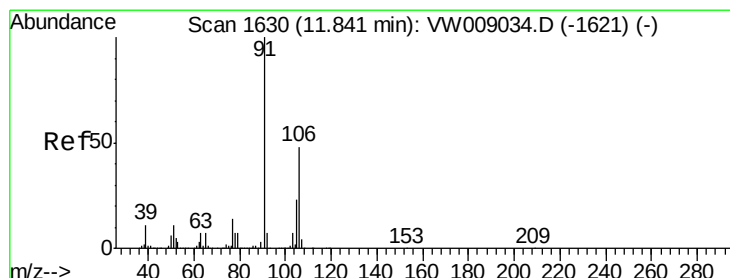
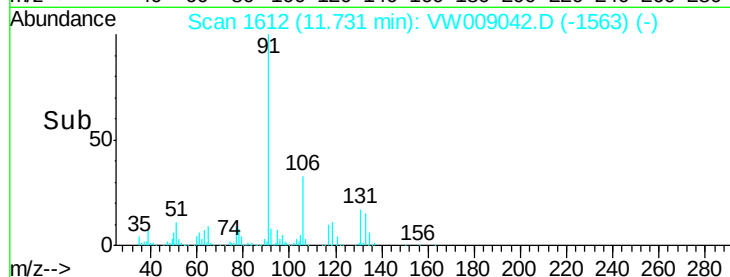
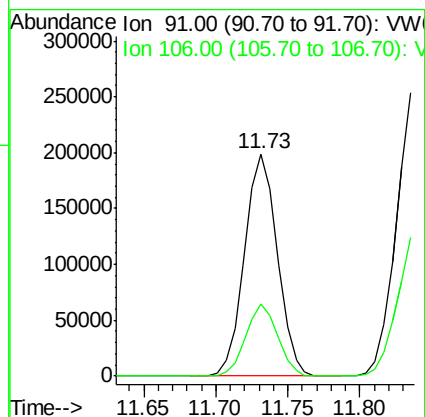
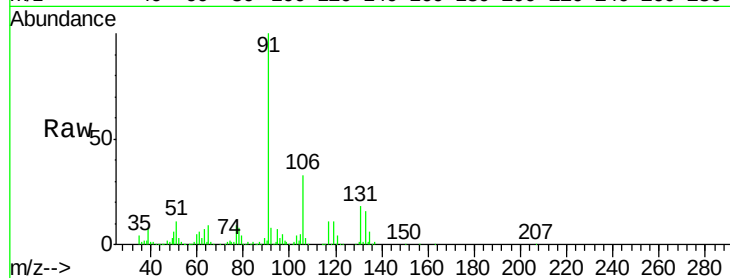
VW0307SBSD01

Tgt Ion: 91 Resp: 312887

Ion Ratio Lower Upper

91 100

106 32.8 25.0 37.4



#68

m/p-Xylenes

Concen: 40.755 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009042.D

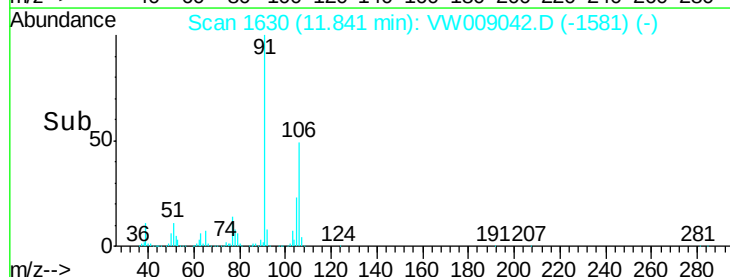
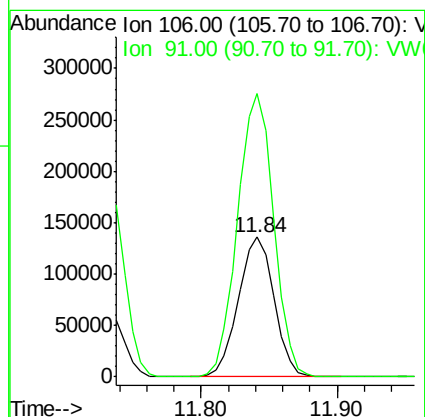
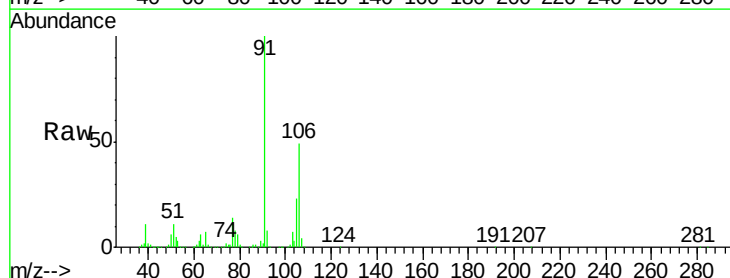
Acq: 07 Mar 2019 16:22

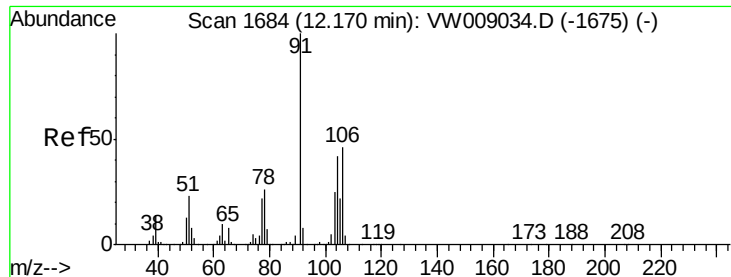
Tgt Ion: 106 Resp: 249742

Ion Ratio Lower Upper

106 100

91 204.3 163.2 244.8

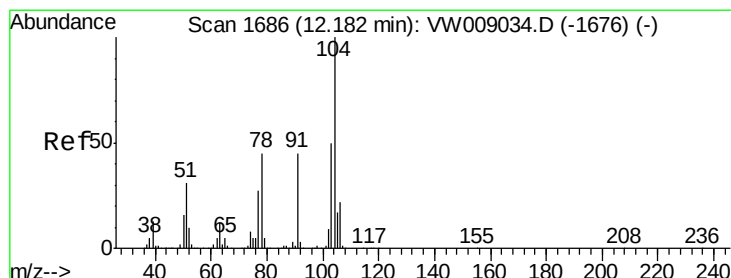
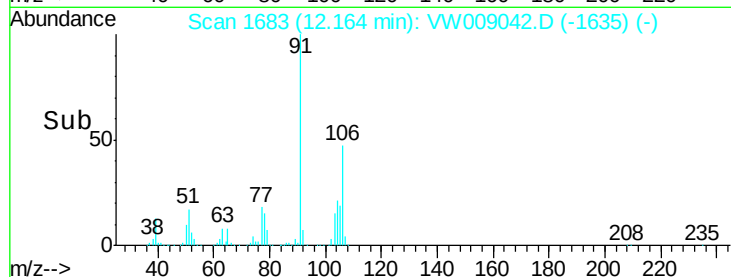
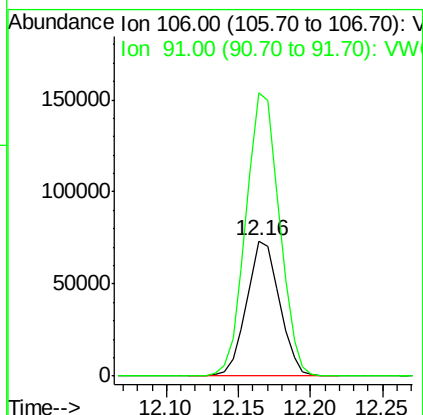
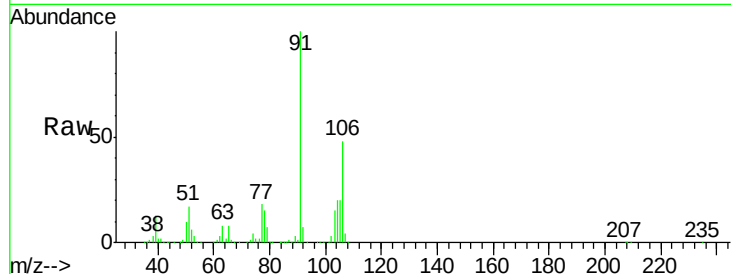




#69
o-Xylene
Concen: 20.304 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

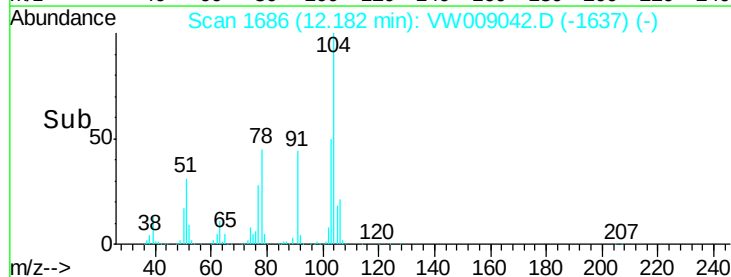
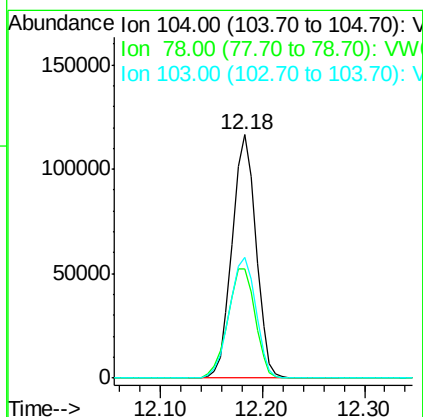
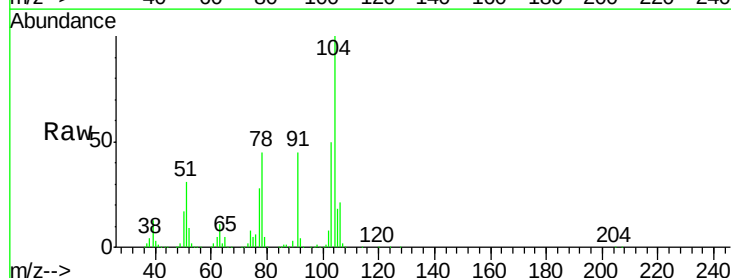
Instrument :
MSVOA_W
ClientSampleId :
VW0307SBSD01

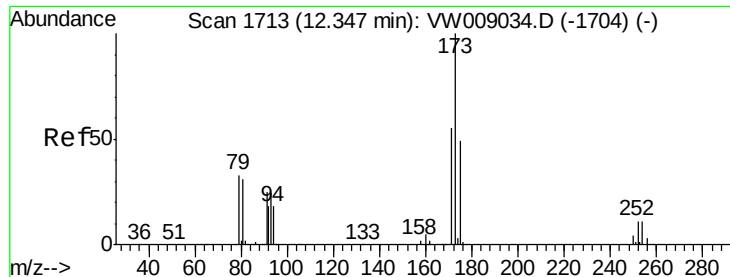
Tgt Ion:106 Resp: 115770
Ion Ratio Lower Upper
106 100
91 214.2 108.6 325.6



#70
Styrene
Concen: 20.380 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

Tgt Ion:104 Resp: 188012
Ion Ratio Lower Upper
104 100
78 51.9 42.1 63.1
103 55.2 43.9 65.9





#71

Bromoform

Concen: 19.957 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBSD01

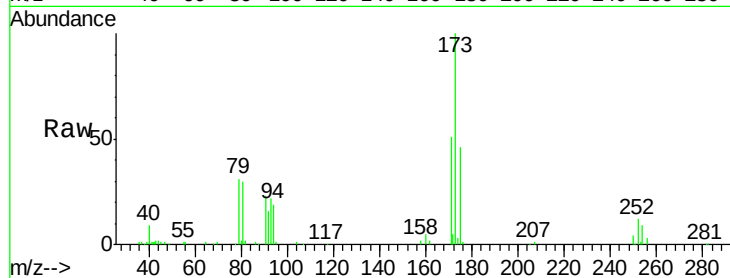
Tgt Ion:173 Resp: 30748

Ion Ratio Lower Upper

173 100

175 48.9 24.6 74.0

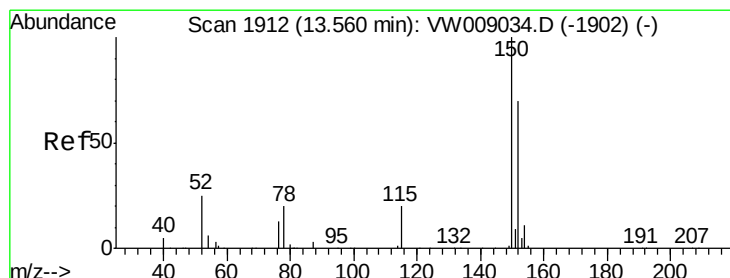
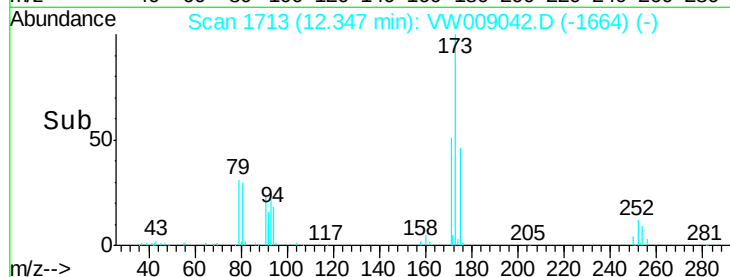
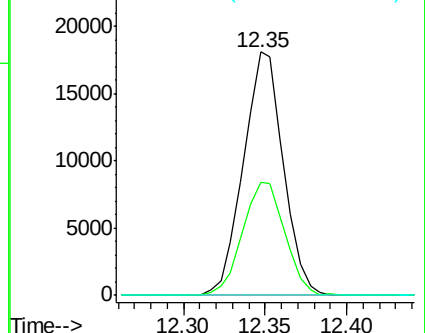
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

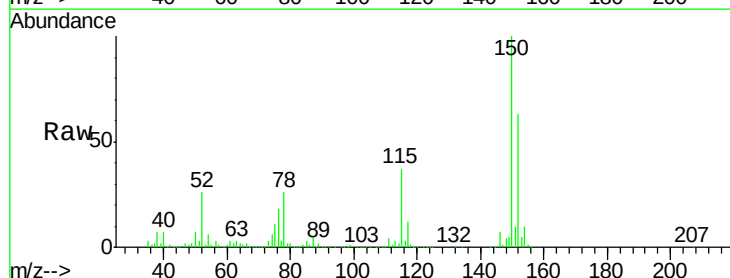
Tgt Ion:152 Resp: 220466

Ion Ratio Lower Upper

152 100

115 56.9 28.9 86.7

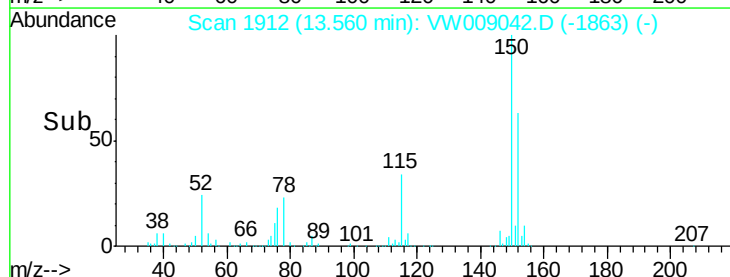
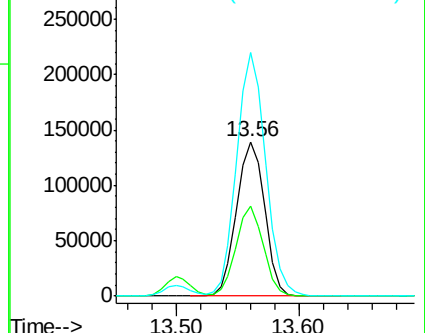
150 163.4 0.0 349.2

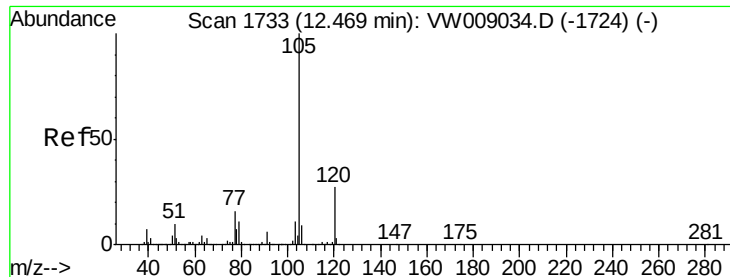


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.230 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

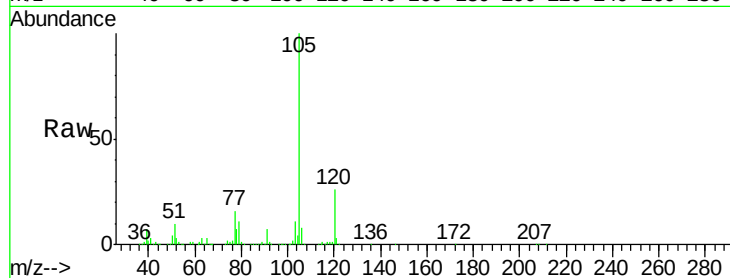
VW0307SBSD01

Tgt Ion:105 Resp: 319396

Ion Ratio Lower Upper

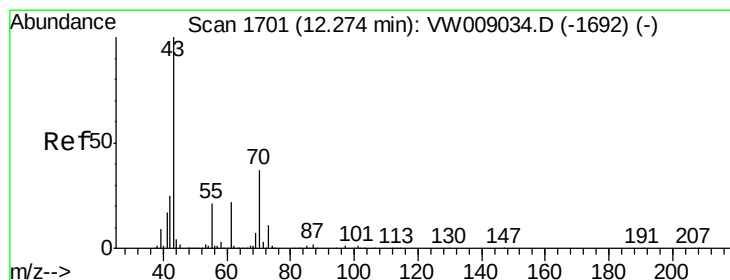
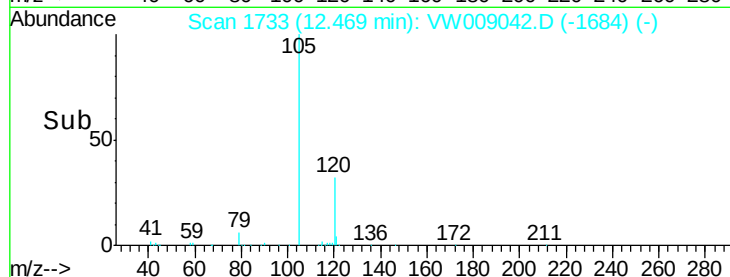
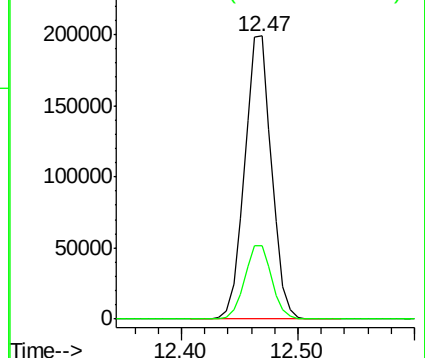
105 100

120 26.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.699 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Tgt Ion: 43 Resp: 73625

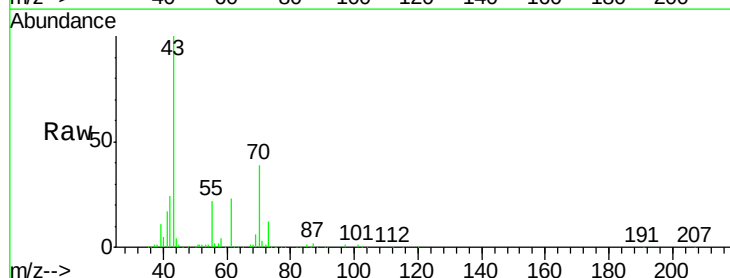
Ion Ratio Lower Upper

43 100

70 37.9 30.8 46.2

55 23.1 17.8 26.8

61 21.7 17.4 26.2

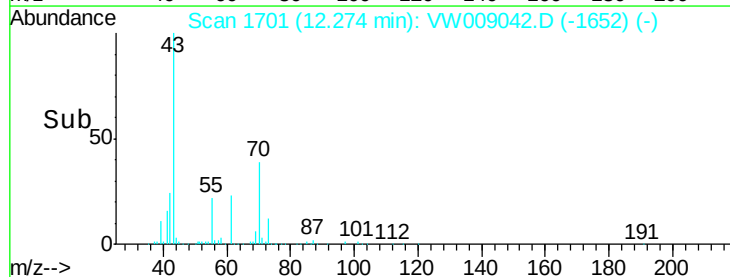
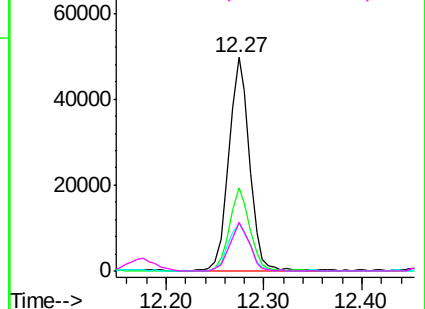


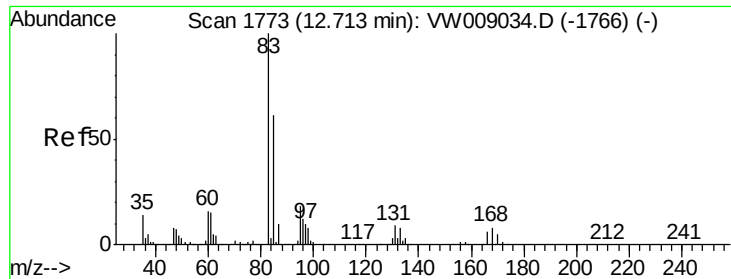
Abundance Ion 43.00 (42.70 to 43.70): VV

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.967 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBSD01

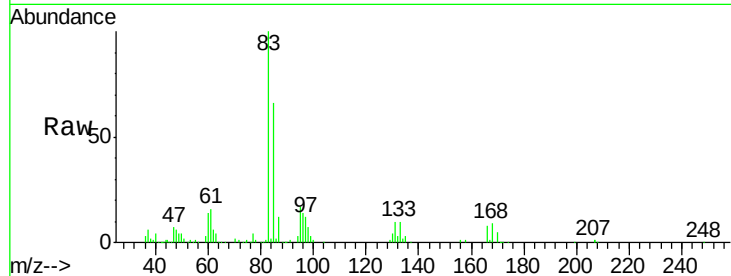
Tgt Ion: 83 Resp: 49725

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.7

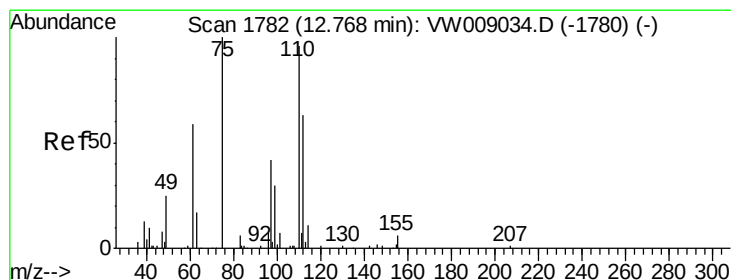
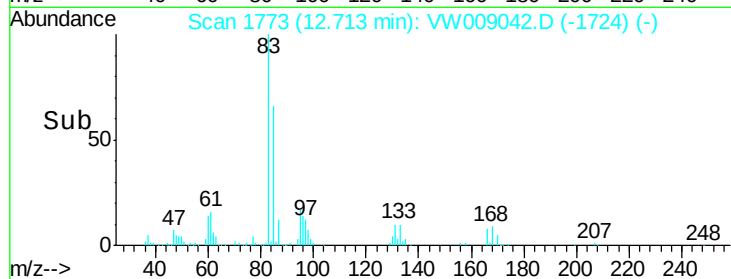
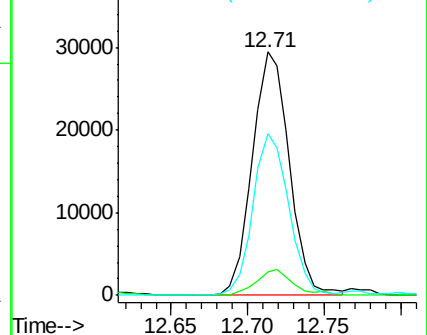
85 64.0 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.098 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009042.D

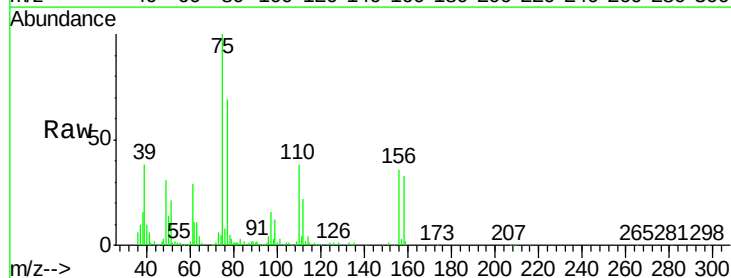
Acq: 07 Mar 2019 16:22

Tgt Ion: 75 Resp: 68103

Ion Ratio Lower Upper

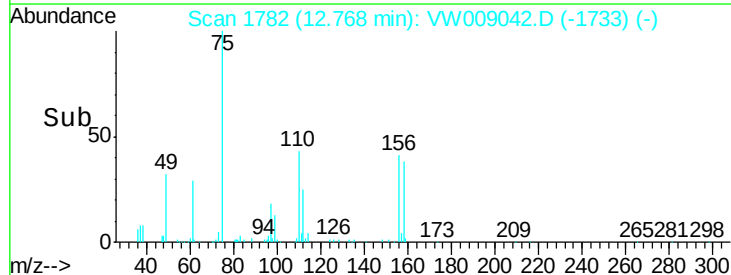
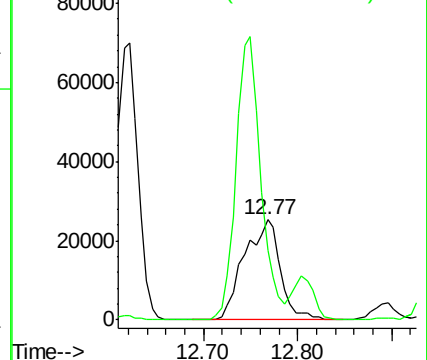
75 100

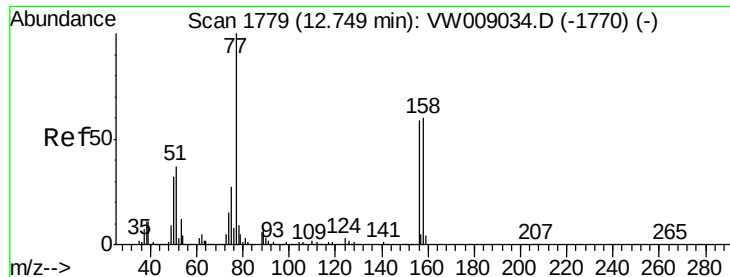
77 192.3 186.7 560.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.634 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBS01

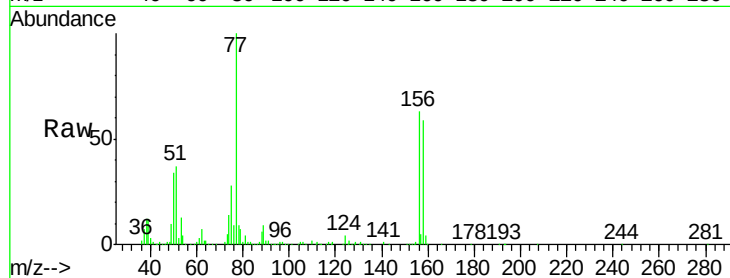
Tgt Ion:156 Resp: 74434

Ion Ratio Lower Upper

156 100

77 176.0 93.0 279.2

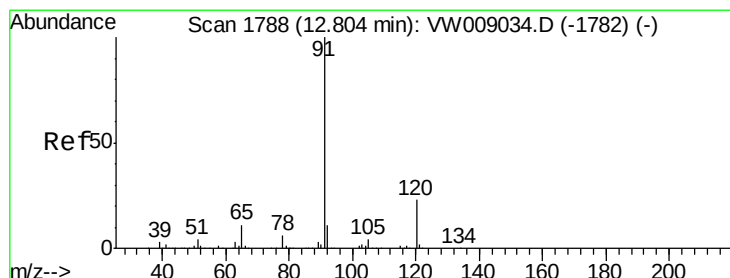
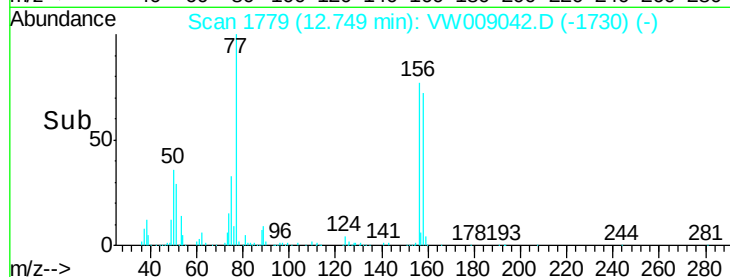
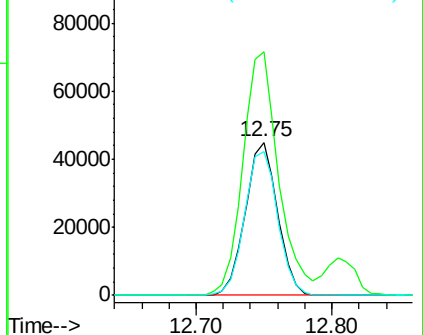
158 97.1 50.0 149.8



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: 20.448 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009042.D

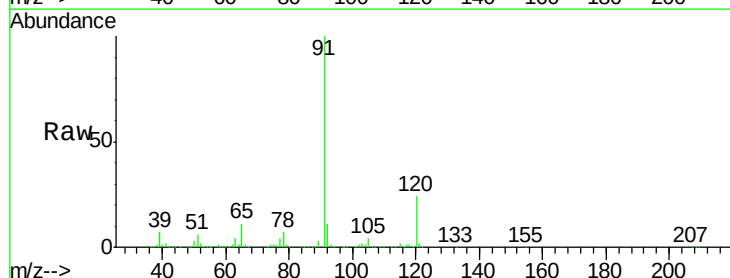
Acq: 07 Mar 2019 16:22

Tgt Ion: 91 Resp: 397651

Ion Ratio Lower Upper

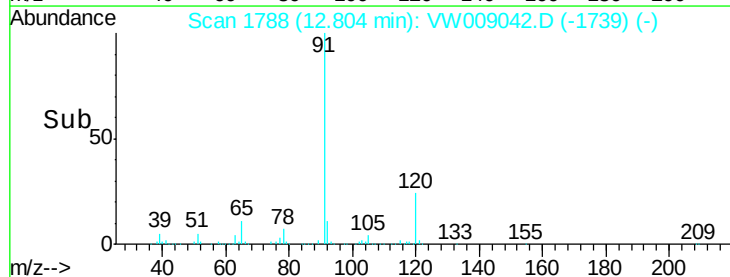
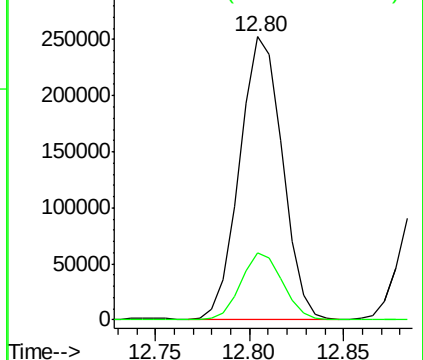
91 100

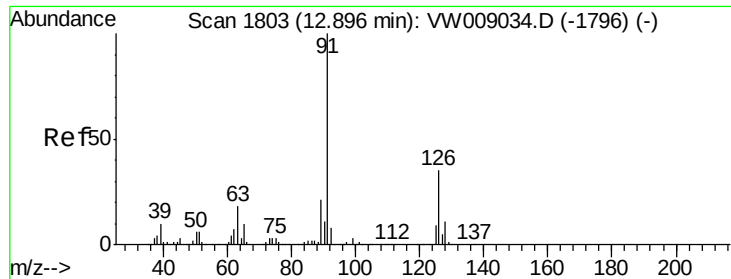
120 23.1 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.364 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

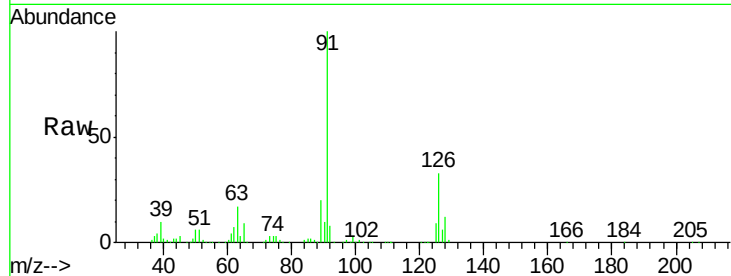
VW0307SBSD01

Tgt Ion: 91 Resp: 222499

Ion Ratio Lower Upper

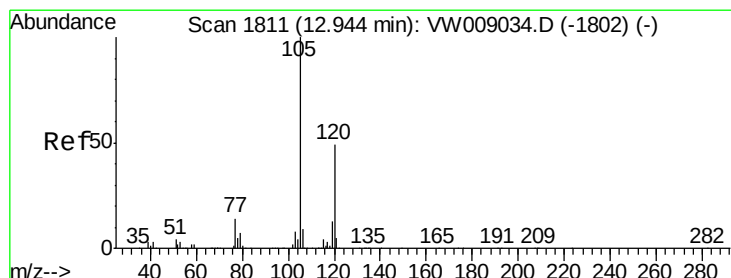
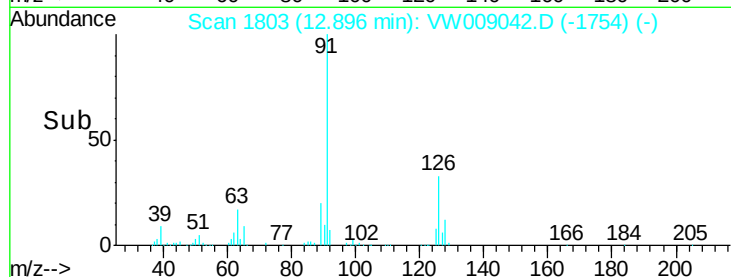
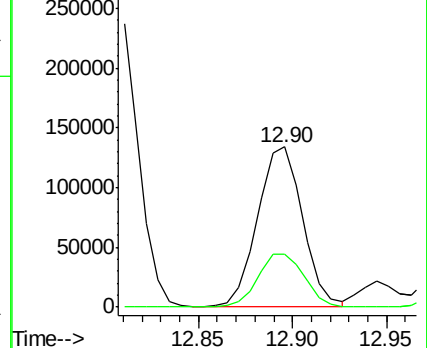
91 100

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: 20.151 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009042.D

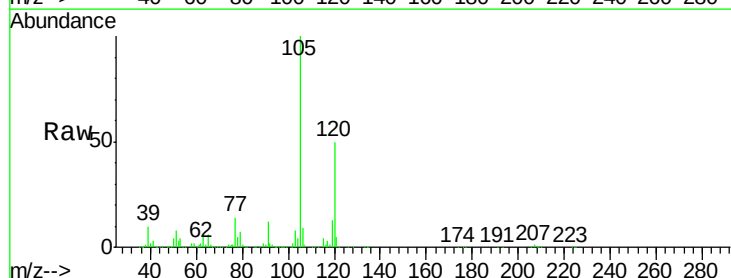
Acq: 07 Mar 2019 16:22

Tgt Ion: 105 Resp: 274237

Ion Ratio Lower Upper

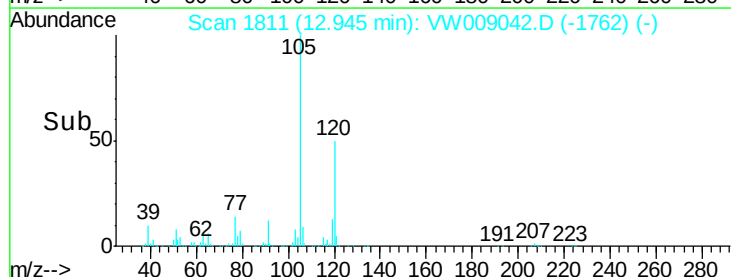
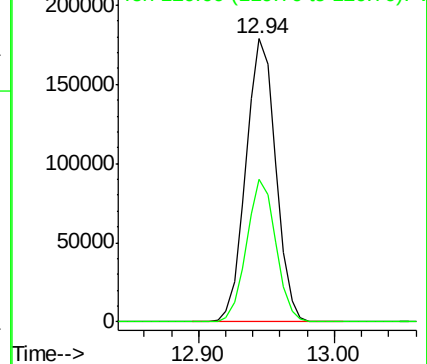
105 100

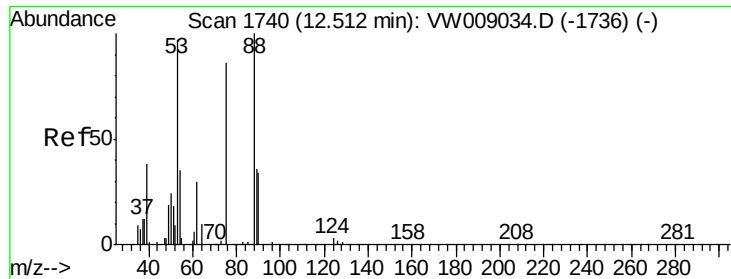
120 49.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

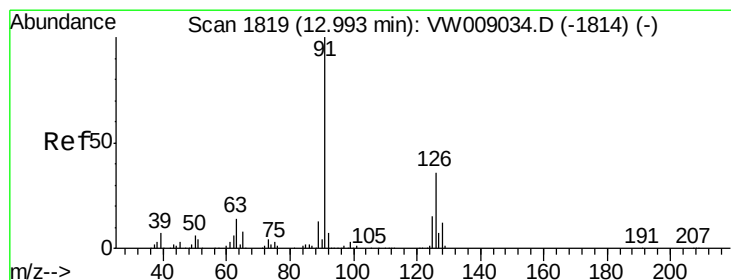
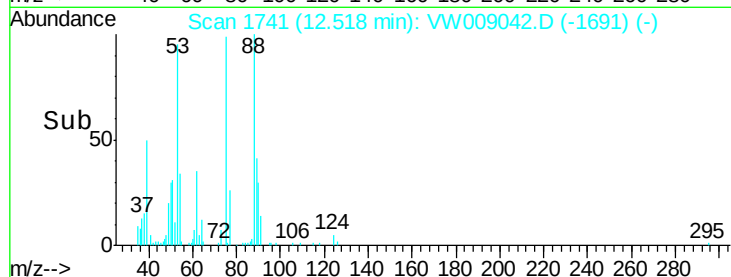
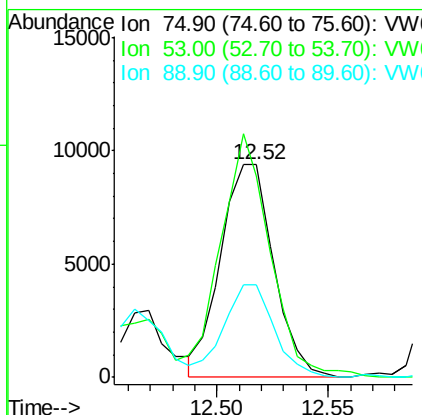
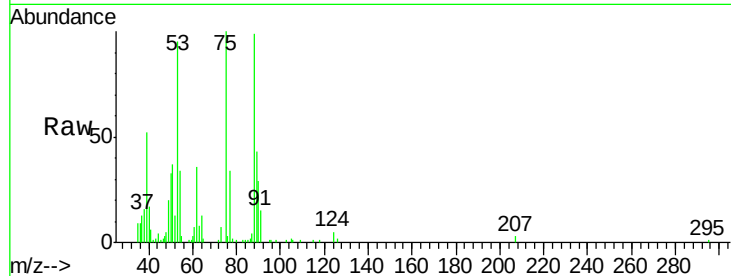




#81
 trans-1,4-Dichloro-2-butene
 Concen: 20.020 ug/l
 RT: 12.52 min Scan# 1741
 Delta R.T. 0.01 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

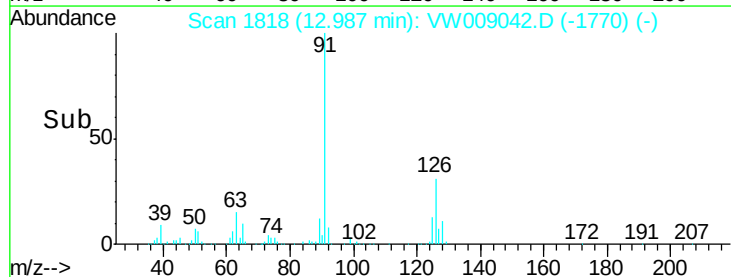
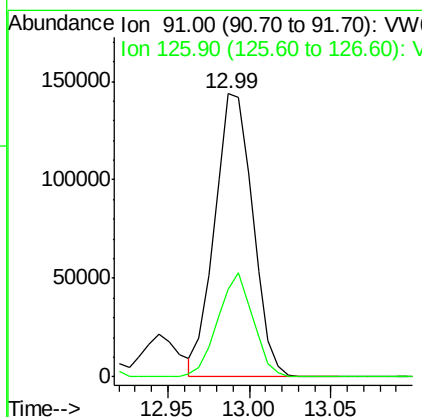
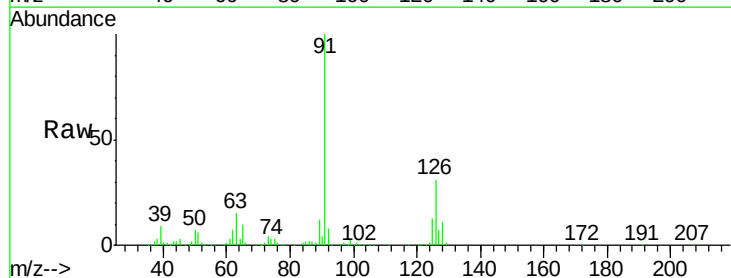
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBSD01

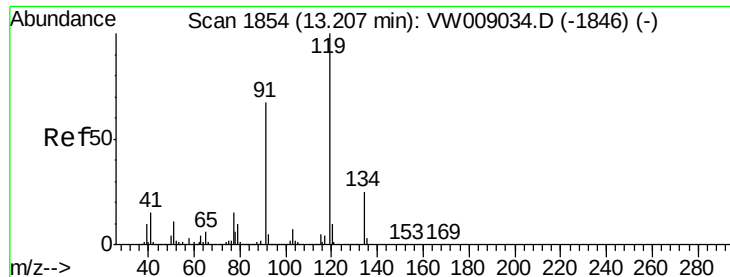
Tgt Ion: 75 Resp: 15591
 Ion Ratio Lower Upper
 75 100
 53 108.1 90.5 135.7
 89 41.7 37.5 56.3



#82
 4-Chlorotoluene
 Concen: 20.072 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

Tgt Ion: 91 Resp: 233774
 Ion Ratio Lower Upper
 91 100
 126 34.2 16.6 49.8





#83

tert-Butylbenzene

Concen: 21.191 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBSD01

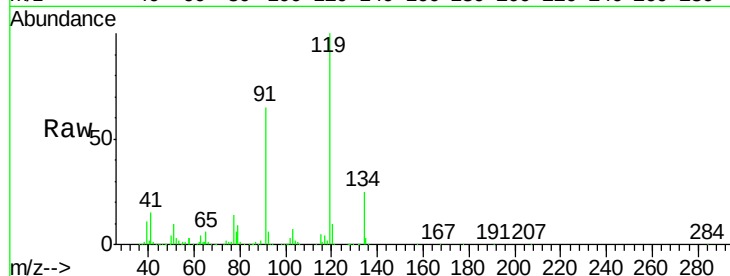
Tgt Ion:119 Resp: 243215

Ion Ratio Lower Upper

119 100

91 65.4 34.2 102.5

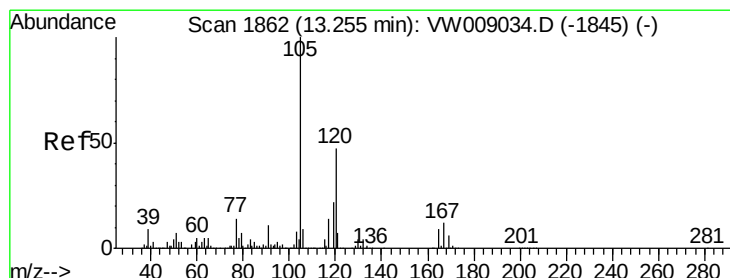
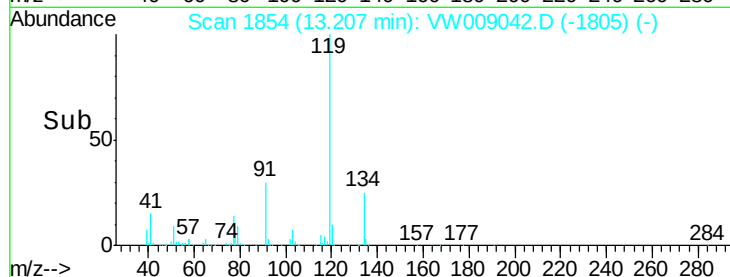
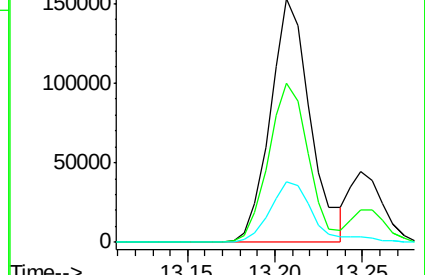
134 27.1 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.318 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW009042.D

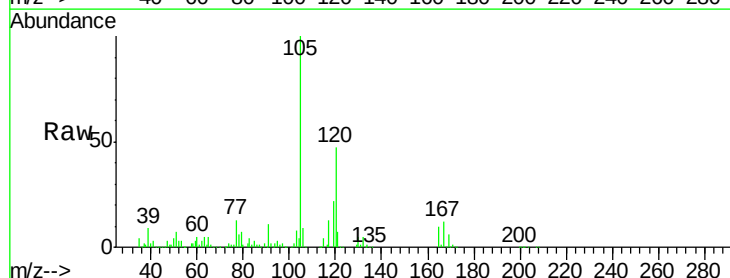
Acq: 07 Mar 2019 16:22

Tgt Ion:105 Resp: 279708

Ion Ratio Lower Upper

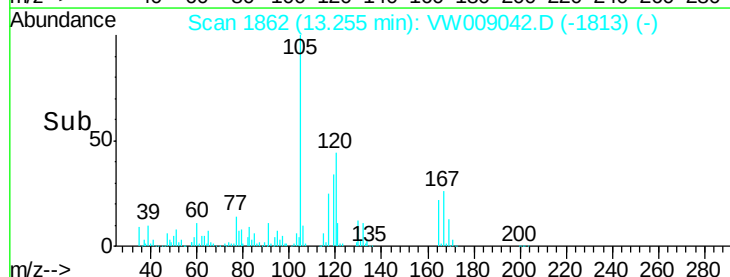
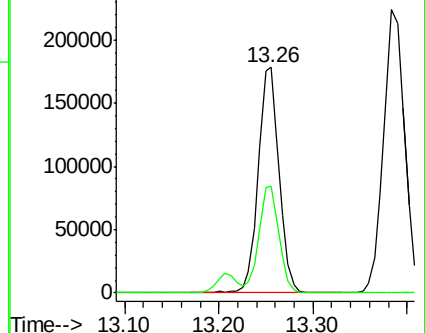
105 100

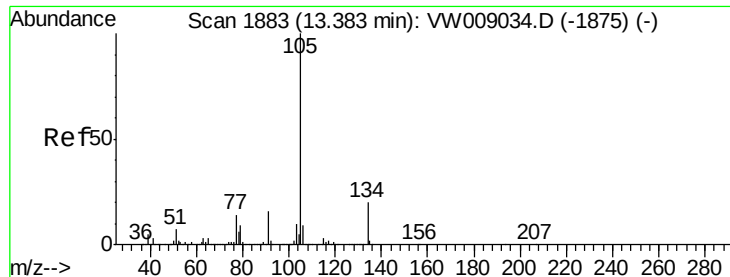
120 45.8 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

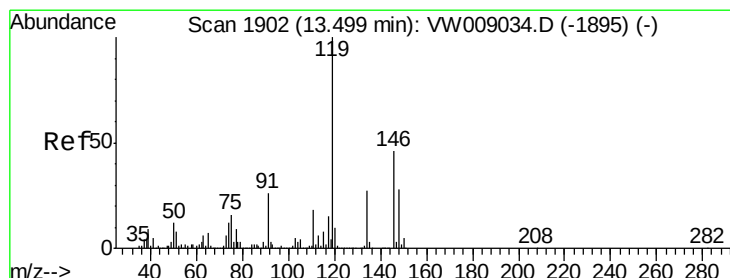
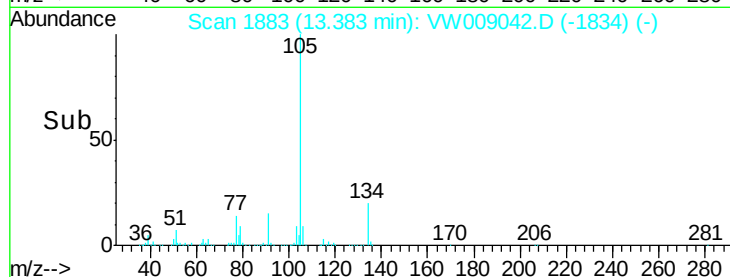
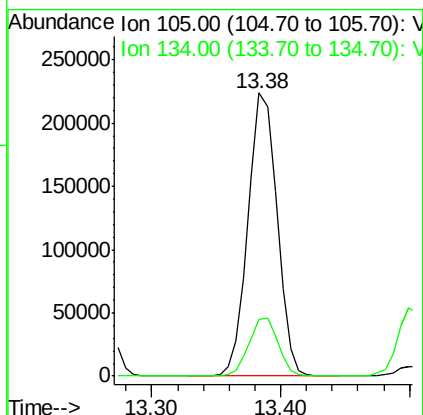
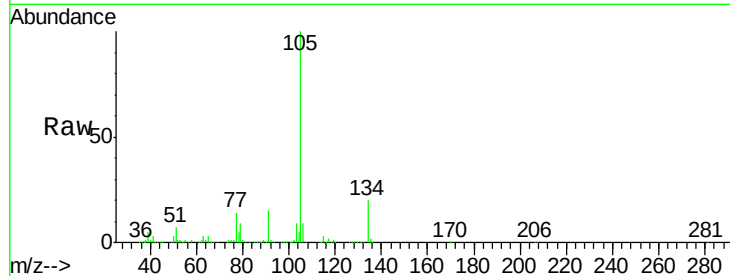




#85
 sec-Butylbenzene
 Concen: 20.517 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

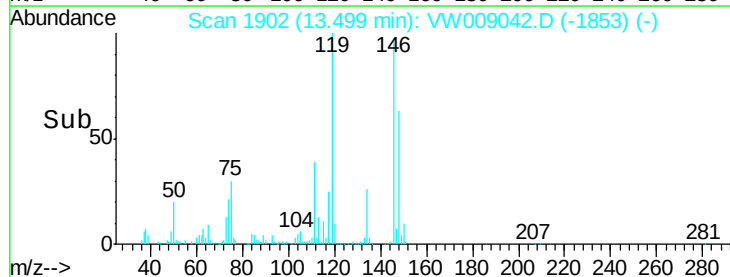
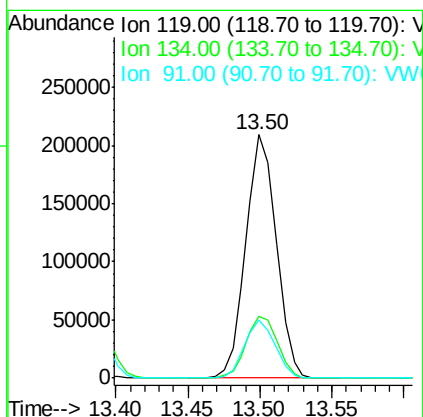
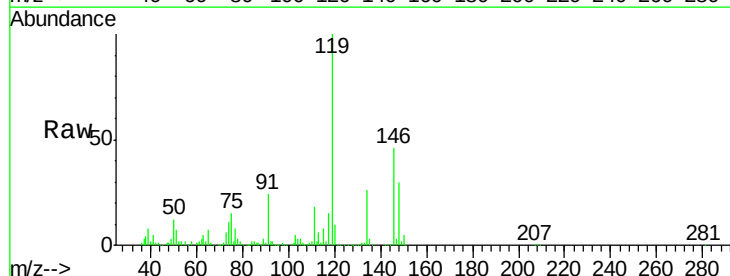
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBSD01

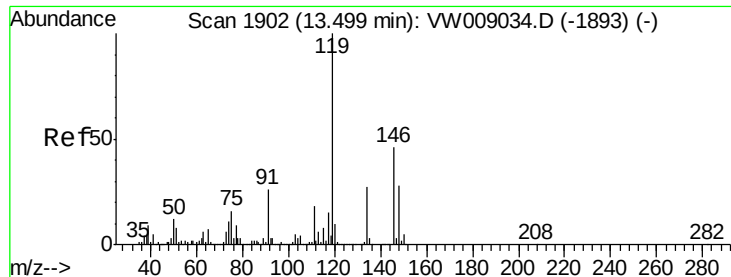
Tgt Ion:105 Resp: 348891
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 20.096 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

Tgt Ion:119 Resp: 305705
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.9
 91 24.1 12.3 36.9

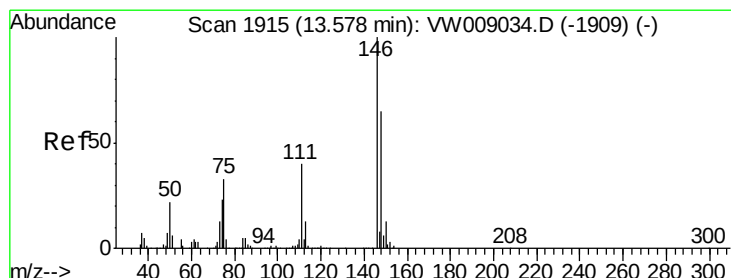
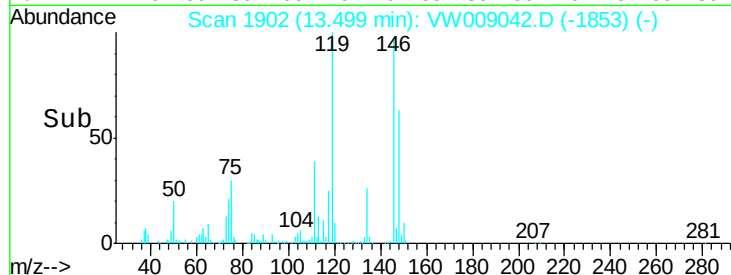
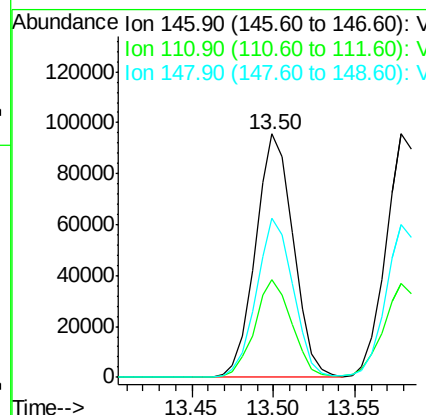
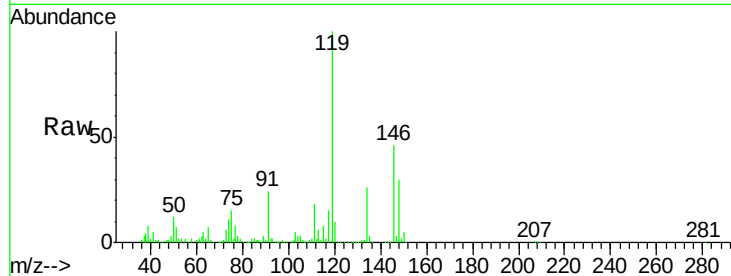




#87
 1,3-Dichlorobenzene
 Concen: 20.278 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

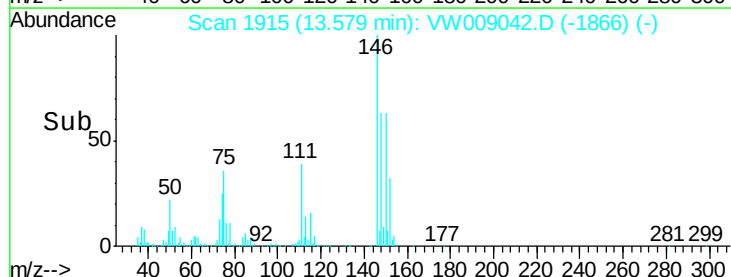
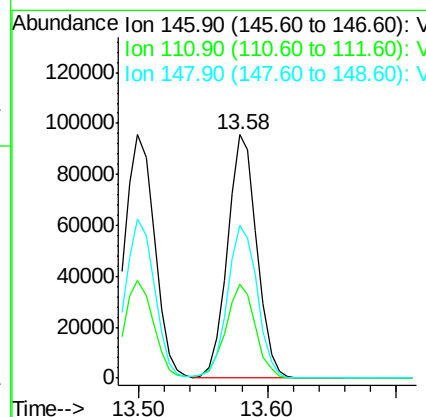
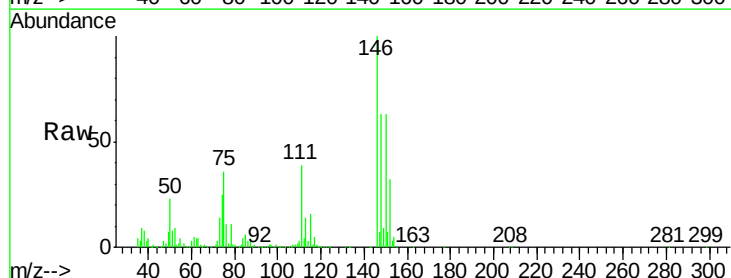
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBS01

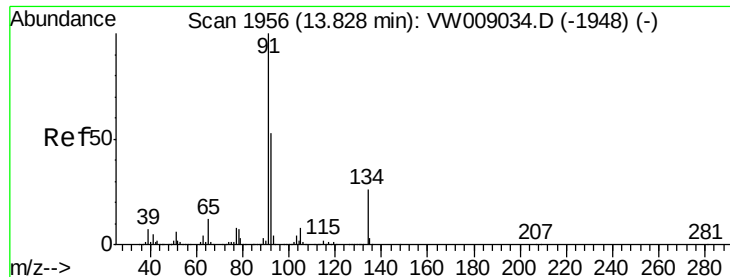
Tgt Ion:146 Resp: 153726
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.8 59.4
 148 63.8 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 20.377 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

Tgt Ion:146 Resp: 152667
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.7 59.0
 148 63.8 32.2 96.6

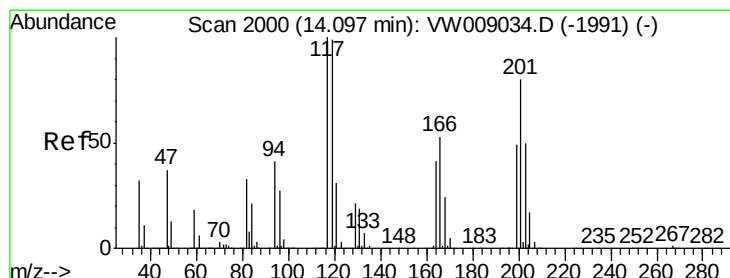
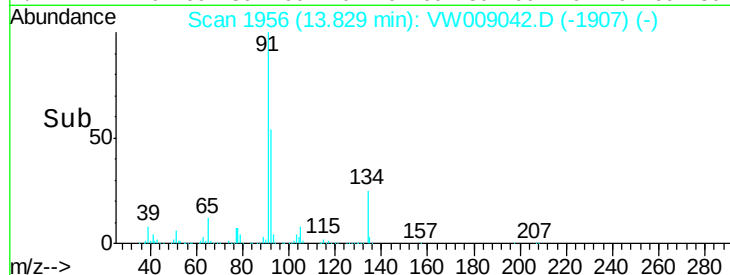
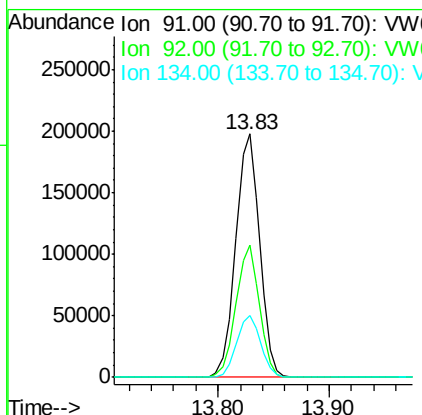
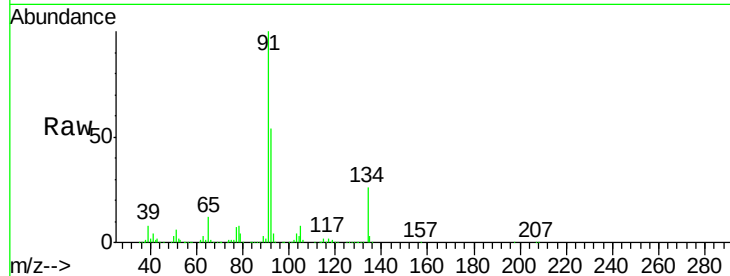




#89
n-Butylbenzene
Concen: 20.291 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

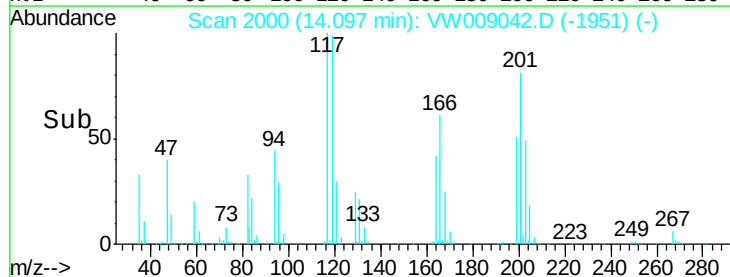
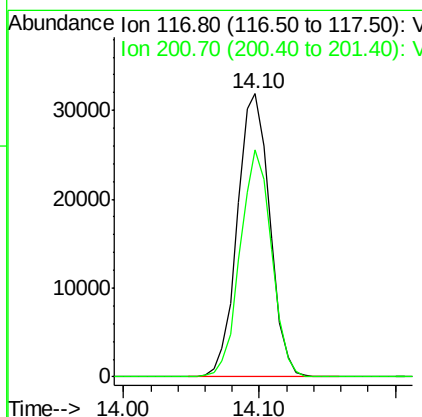
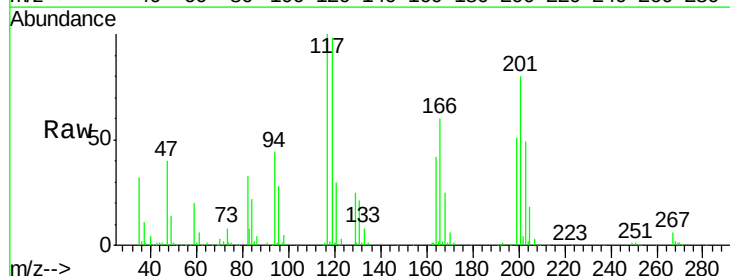
Instrument :
MSVOA_W
ClientSampleId :
VW0307SBSD01

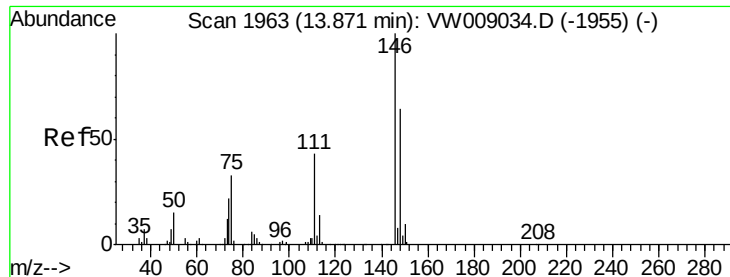
Tgt Ion: 91 Resp: 293451
Ion Ratio Lower Upper
91 100
92 53.1 26.8 80.3
134 25.5 12.9 38.7



#90
Hexachloroethane
Concen: 20.254 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

Tgt Ion: 117 Resp: 53140
Ion Ratio Lower Upper
117 100
201 77.4 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 20.441 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBSD01

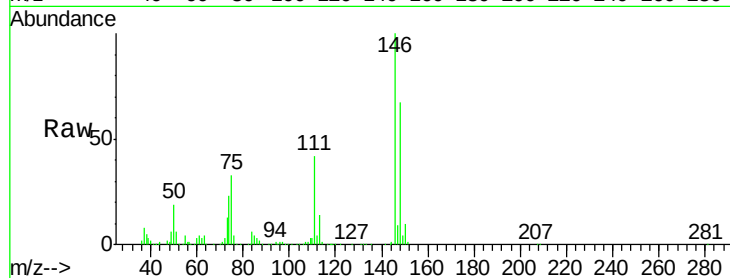
Tgt Ion:146 Resp: 136726

Ion Ratio Lower Upper

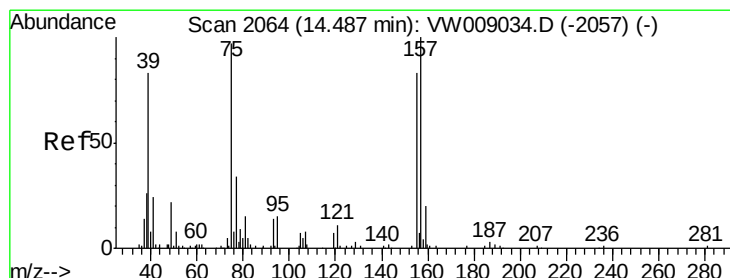
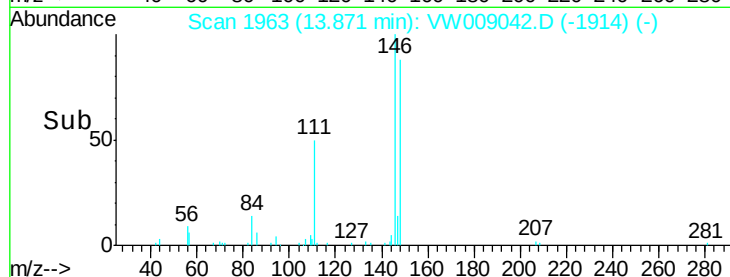
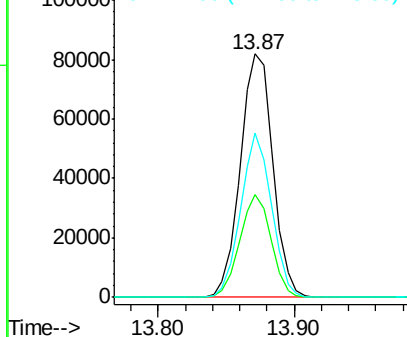
146 100

111 40.7 21.1 63.1

148 63.9 32.3 96.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.574 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009042.D

Acq: 07 Mar 2019 16:22

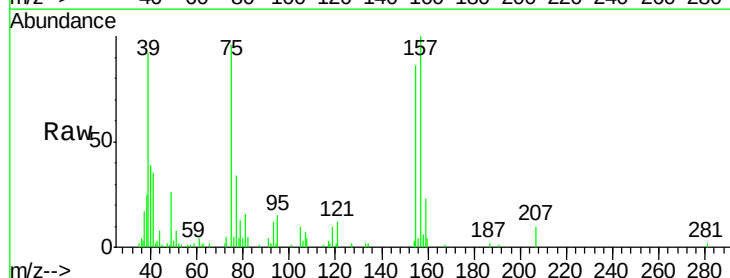
Tgt Ion: 75 Resp: 8682

Ion Ratio Lower Upper

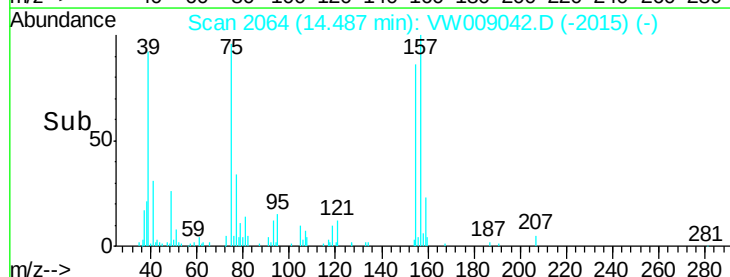
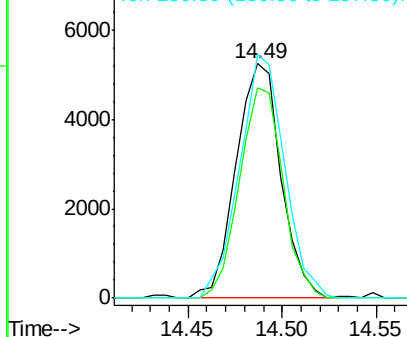
75 100

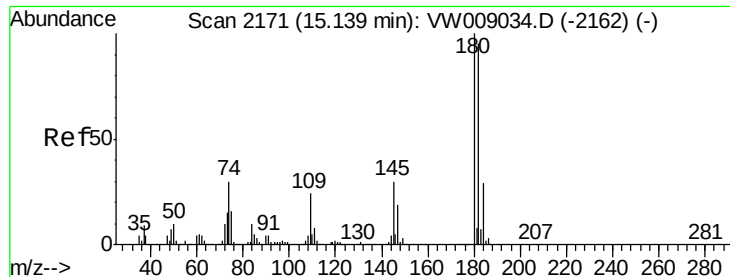
155 86.6 40.8 122.4

157 103.8 52.4 157.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

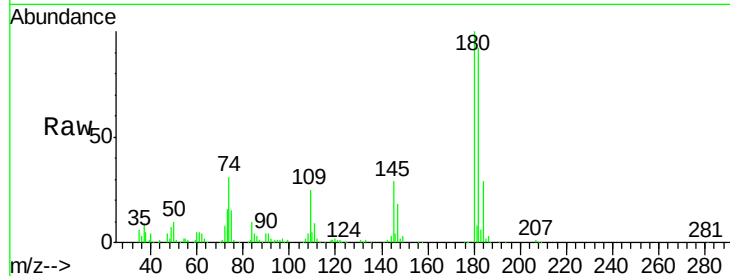




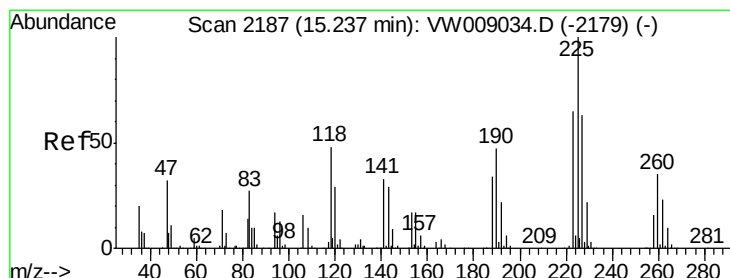
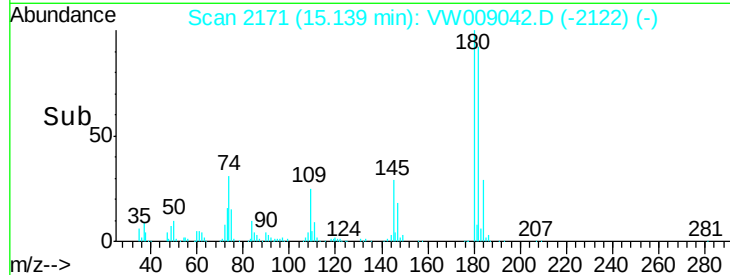
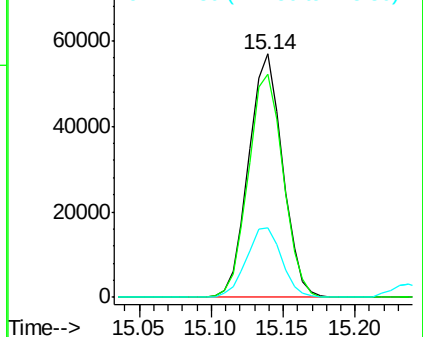
#93
 1,2,4-Trichlorobenzene
 Concen: 20.513 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBSD01

Tgt Ion:180 Resp: 92662
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.1 144.3
 145 29.8 15.4 46.1

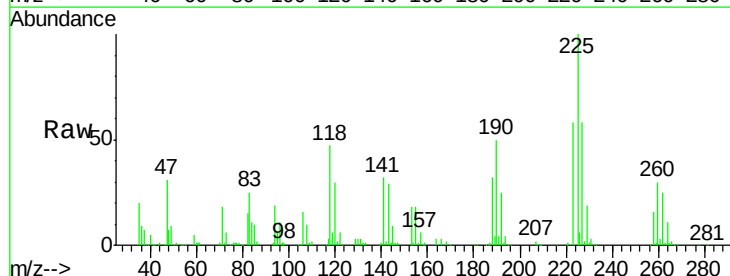


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

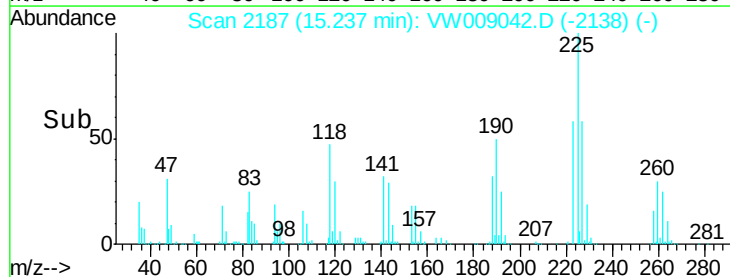
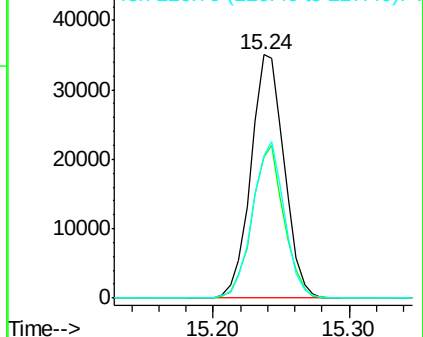


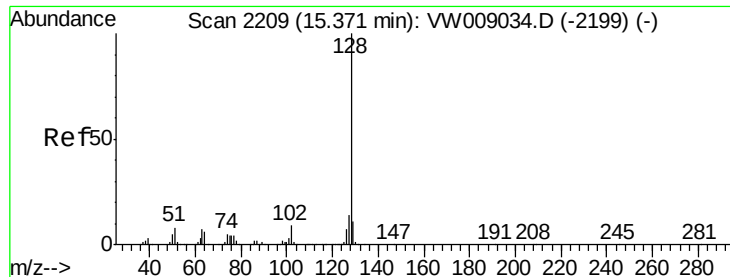
#94
 Hexachlorobutadiene
 Concen: 21.235 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW009042.D
 Acq: 07 Mar 2019 16:22

Tgt Ion:225 Resp: 60083
 Ion Ratio Lower Upper
 225 100
 223 59.7 31.6 94.8
 227 61.5 32.0 96.2



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

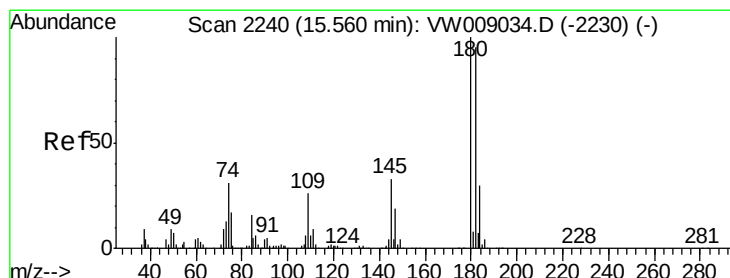
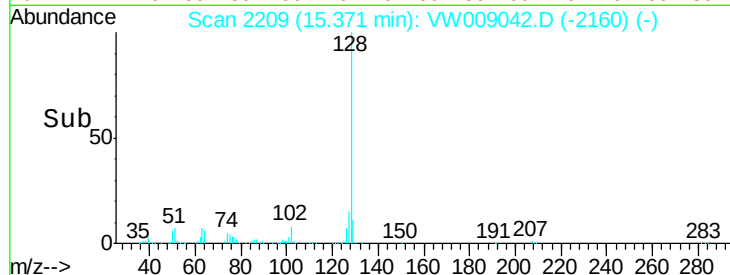
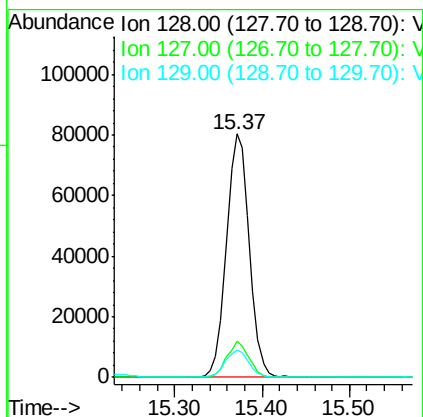
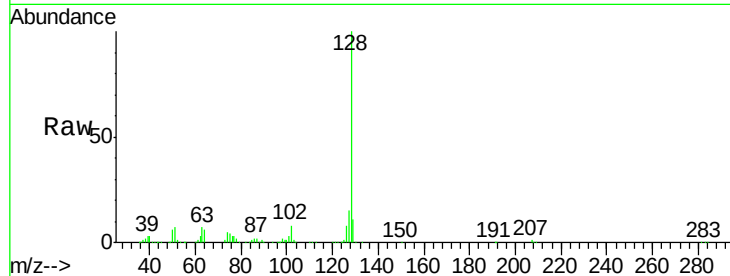




#95
Naphthalene
Concen: 19.596 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0307SBSD01

Tgt Ion:128 Resp: 144899
Ion Ratio Lower Upper
128 100
127 14.2 11.0 16.6
129 11.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.146 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009042.D
Acq: 07 Mar 2019 16:22

Tgt Ion:180 Resp: 80022
Ion Ratio Lower Upper
180 100
182 95.5 48.1 144.3
145 31.6 15.8 47.3

