

Data File : VW010401.D
Acq On : 12 May 2019 11:43
Operator : SY/VA
Sample : VW0512SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Quant Time: May 13 05:21:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
Quant Title : SW846 8260
QLast Update : Fri May 10 03:41:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1414796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2254423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2046451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1039811	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	631990	42.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.04%	
35) Dibromofluoromethane	7.88	113	558924	42.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.74%	
50) Toluene-d8	10.32	98	2247871	41.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.68%	
62) 4-Bromofluorobenzene	12.62	95	819362	43.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.66%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	188405	17.628	ug/l	98
3) Chloromethane	2.21	50	250073	17.267	ug/l	97
4) Vinyl Chloride	2.37	62	331969	18.444	ug/l	99
5) Bromomethane	2.77	94	193561	18.649	ug/l	94
6) Chloroethane	2.92	64	198624	19.082	ug/l	100
7) Trichlorofluoromethane	3.25	101	156687	17.390	ug/l	99
8) Diethyl Ether	3.67	74	161474	20.386	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	287310	19.460	ug/l	98
10) Methyl Iodide	4.26	142	402357	19.245	ug/l	95
11) Tert butyl alcohol	5.18	59	84795	79.828	ug/l	98
12) 1,1-Dichloroethene	4.03	96	294308	19.077	ug/l	95
13) Acrolein	3.88	56	98648	70.341	ug/l	95
14) Allyl chloride	4.66	41	449165	19.505	ug/l	93
15) Acrylonitrile	5.36	53	360791	82.178	ug/l	98
16) Acetone	4.12	43	314227	80.137	ug/l	91
17) Carbon Disulfide	4.37	76	847268	18.159	ug/l	99
18) Methyl Acetate	4.67	43	162344	16.715	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	367755	20.024	ug/l	99
20) Methylene Chloride	4.91	84	320410	19.591	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	324539	19.543	ug/l	97
22) Diisopropyl ether	6.31	45	990886	22.171	ug/l	94
23) Vinyl Acetate	6.25	43	3013966	98.211	ug/l	96
24) 1,1-Dichloroethane	6.21	63	615767	20.464	ug/l	99
25) 2-Butanone	7.17	43	474468	79.097	ug/l	99
26) 2,2-Dichloropropane	7.16	77	310218	20.721	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	349593	20.471	ug/l	96
28) Bromochloromethane	7.51	49	270987	24.427	ug/l	99
29) Tetrahydrofuran	7.53	42	314908	81.164	ug/l	97
30) Chloroform	7.67	83	590428	20.966	ug/l	100
31) Cyclohexane	7.95	56	597761	19.402	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	442702	20.296	ug/l	100
36) 1,1-Dichloropropene	8.08	75	490032	20.047	ug/l	99
37) Ethyl Acetate	7.25	43	226549	17.407	ug/l	98
38) Carbon Tetrachloride	8.06	117	417006	19.901	ug/l	99

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	584006	19.530	ug/l	96
40) Benzene	8.32	78	1358472	20.293	ug/l	100
41) Methacrylonitrile	7.48	41	122668	16.806	ug/l	94
42) 1,2-Dichloroethane	8.40	62	401295	20.942	ug/l	97
43) Isopropyl Acetate	8.43	43	384095	17.795	ug/l	97
44) Trichloroethene	9.09	130	332941	19.866	ug/l	95
45) 1,2-Dichloropropane	9.37	63	348738	20.958	ug/l	97
46) Dibromomethane	9.46	93	169035	19.663	ug/l	96
47) Bromodichloromethane	9.64	83	427279	20.721	ug/l	98
48) Methyl methacrylate	9.44	41	186441	18.268	ug/l	87
49) 1,4-Dioxane	9.45	88	54455	363.238	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	1064558	86.012	ug/l	94
52) Toluene	10.39	92	854508	20.884	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	425607	20.376	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	518048	20.942	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	244540	20.028	ug/l	97
56) Ethyl methacrylate	10.65	69	310589	19.263	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	448432	20.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	817735	105.928	ug/l	100
59) 2-Hexanone	10.97	43	743984	85.018	ug/l	94
60) Dibromochloromethane	11.13	129	270382	20.579	ug/l	100
61) 1,2-Dibromoethane	11.23	107	230936	19.703	ug/l	98
64) Tetrachloroethene	10.86	164	283673	19.833	ug/l	99
65) Chlorobenzene	11.66	112	860821	20.320	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	297161	20.754	ug/l	98
67) Ethyl Benzene	11.73	91	1612466	20.691	ug/l	100
68) m/p-Xylenes	11.84	106	1217104	42.035	ug/l	100
69) o-Xylene	12.16	106	546640	20.870	ug/l	98
70) Styrene	12.18	104	971641	21.290	ug/l	99
71) Bromoform	12.35	173	150754	18.419	ug/l #	97
73) Isopropylbenzene	12.47	105	1546170	20.400	ug/l	99
74) N-amyl acetate	12.27	43	361789	18.477	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	294960	17.663	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	380326	31.371	ug/l #	100
77) Bromobenzene	12.75	156	347619	20.313	ug/l	99
78) n-propylbenzene	12.80	91	1933260	20.652	ug/l	99
79) 2-Chlorotoluene	12.90	91	1093042	20.504	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1338025	20.941	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	90768	16.908	ug/l	96
82) 4-Chlorotoluene	12.99	91	1152403	20.632	ug/l	99
83) tert-Butylbenzene	13.21	119	1069320	20.064	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1346646	21.209	ug/l	100
85) sec-Butylbenzene	13.38	105	1613088	20.503	ug/l	100
86) p-Isopropyltoluene	13.50	119	1453255	20.804	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	704751	20.623	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	693366	20.446	ug/l	99
89) n-Butylbenzene	13.83	91	1445786	20.641	ug/l	99
90) Hexachloroethane	14.10	117	255040	19.684	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	624132	20.632	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	46481	15.456	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051219\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Fri May 10 03:41:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	441484	21.384	ug/l	99
94) Hexachlorobutadiene	15.24	225	270425	20.432	ug/l	99
95) Naphthalene	15.37	128	764547	18.639	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	383308	20.552	ug/l	99

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

Data File : VW010401.D

Acq On : 12 May 2019 11:43

Operator : SY/VA

Sample : VW0512SBSD01

Misc : 5.00G/5ML/MSVOA W/SOIL

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ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

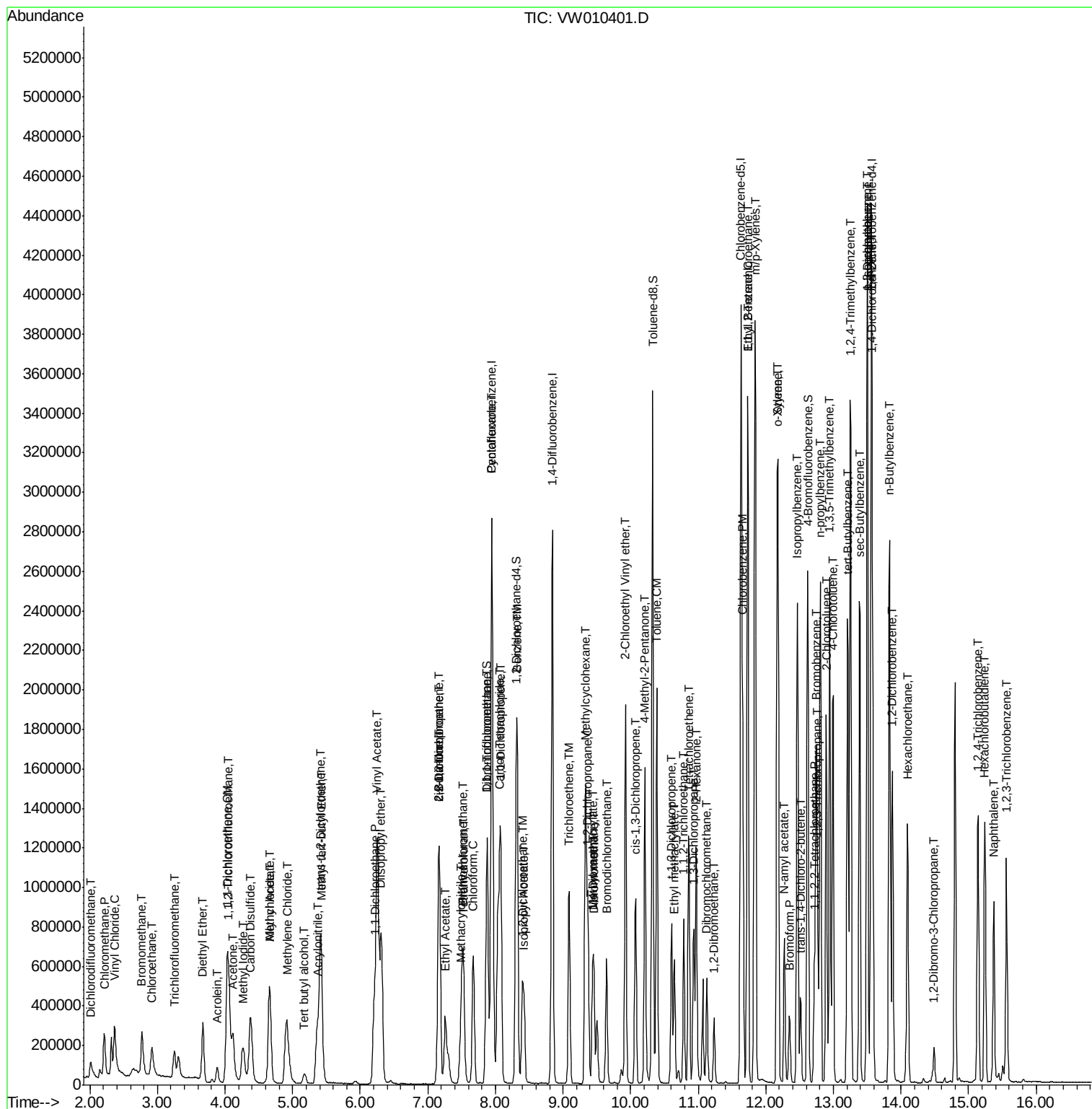
Quant Time: May 13 05:21:07 2019

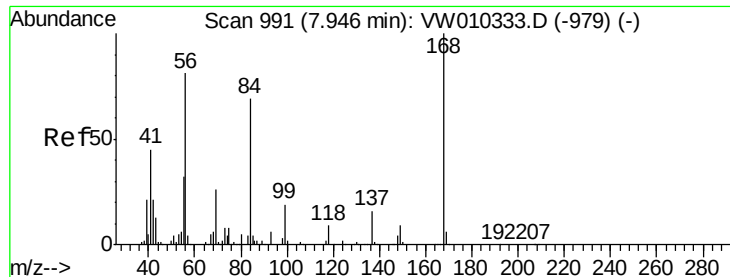
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W050919S.M

Quant Title : SW846 8260

QLast Update : Fri May 10 03:41:21 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

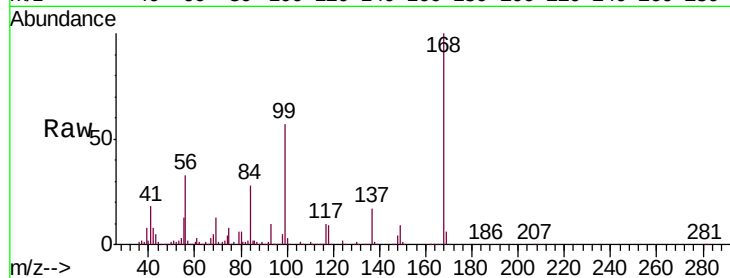
VW0512SBSD01

Tgt Ion:168 Resp: 1414796

Ion Ratio Lower Upper

168 100

99 57.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

600000

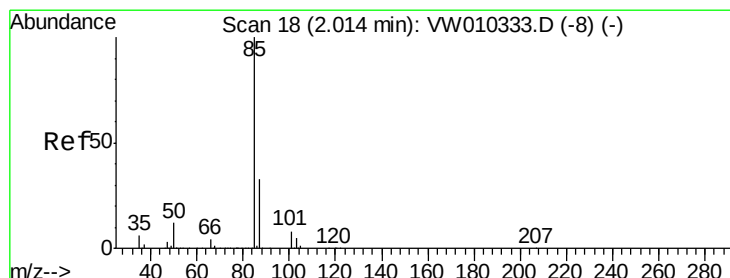
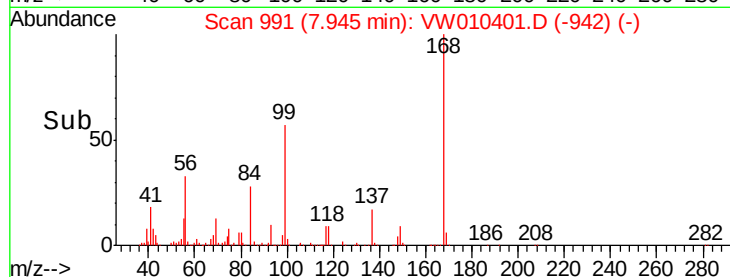
400000

200000

0

Time-->

7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 17.628 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010401.D

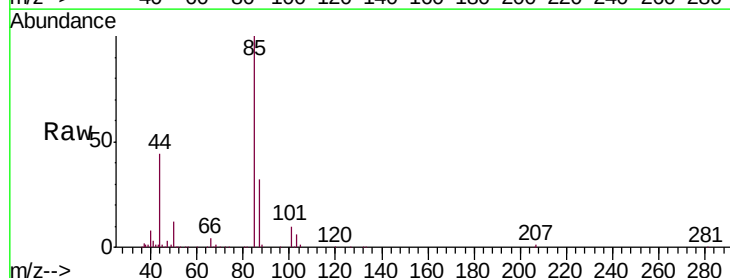
Acq: 12 May 2019 11:43

Tgt Ion: 85 Resp: 188405

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

50000

40000

30000

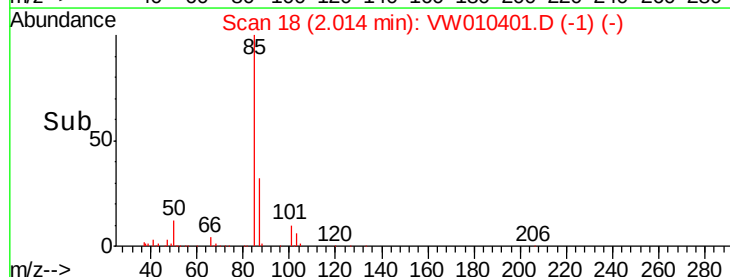
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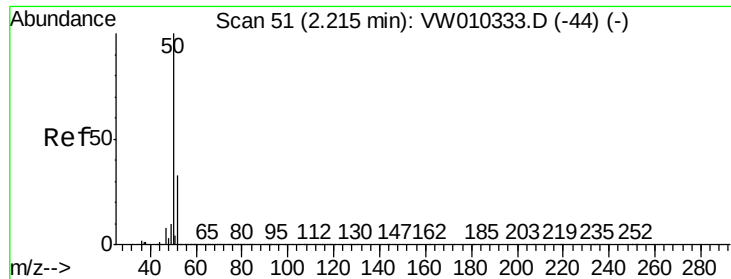
10000

0

Time-->

1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 17.267 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

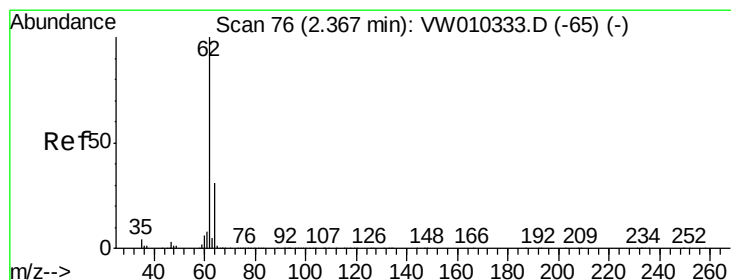
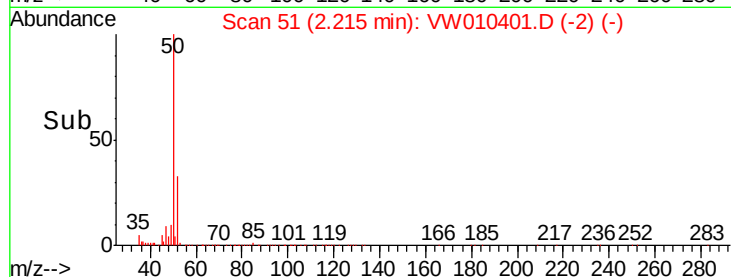
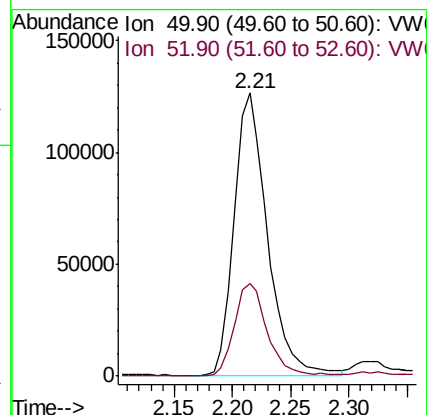
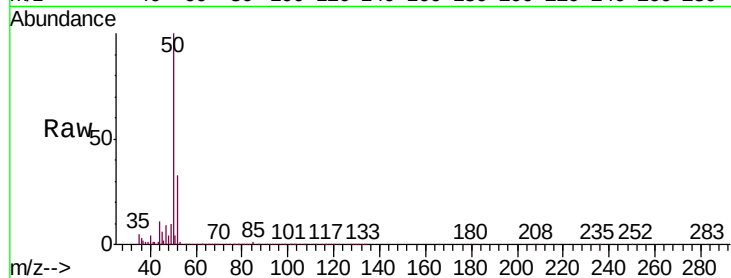
VW0512SBSD01

Tgt Ion: 50 Resp: 250073

Ion Ratio Lower Upper

50 100

52 33.1 25.0 37.6



#4

Vinyl Chloride

Concen: 18.444 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010401.D

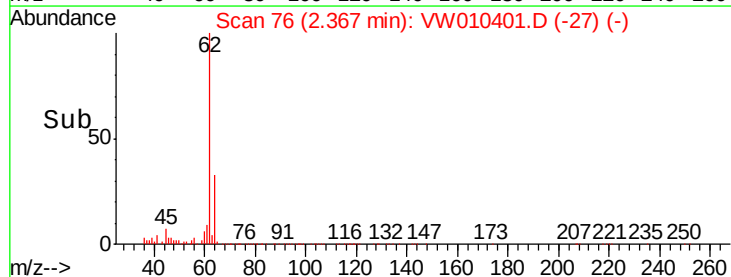
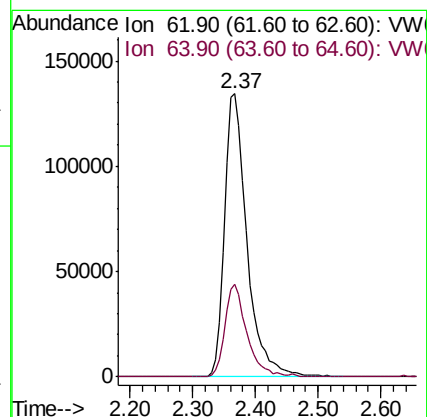
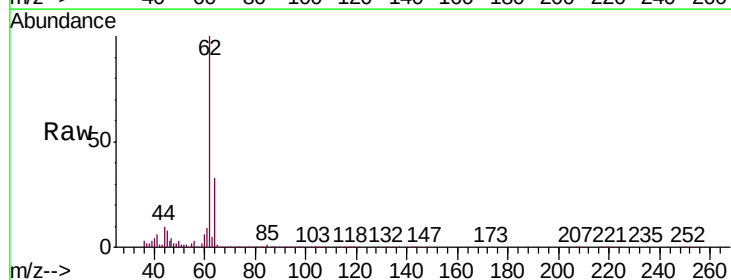
Acq: 12 May 2019 11:43

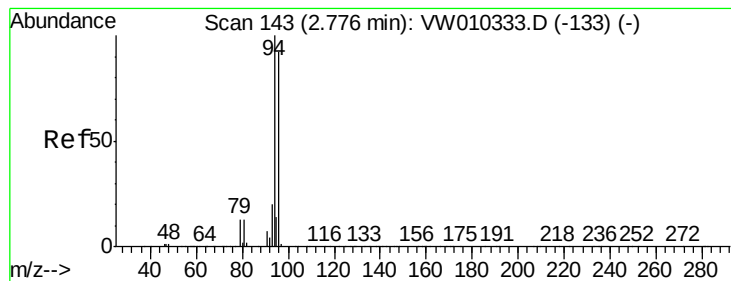
Tgt Ion: 62 Resp: 331969

Ion Ratio Lower Upper

62 100

64 32.7 25.9 38.9





#5

Bromomethane

Concen: 18.649 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

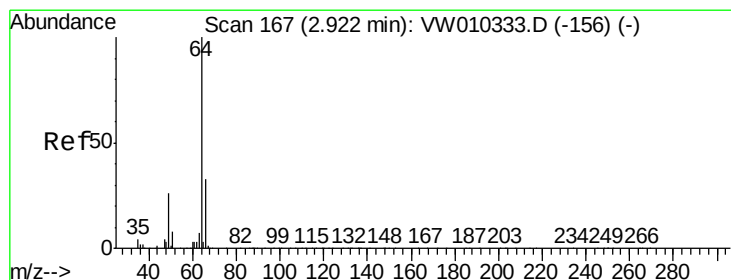
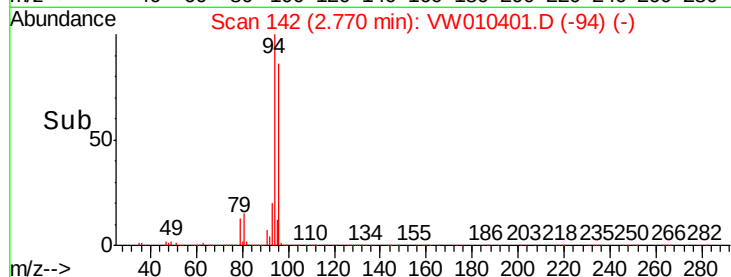
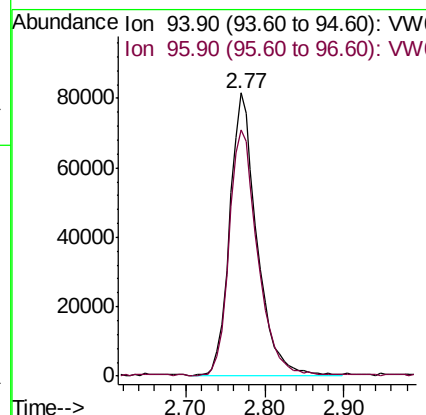
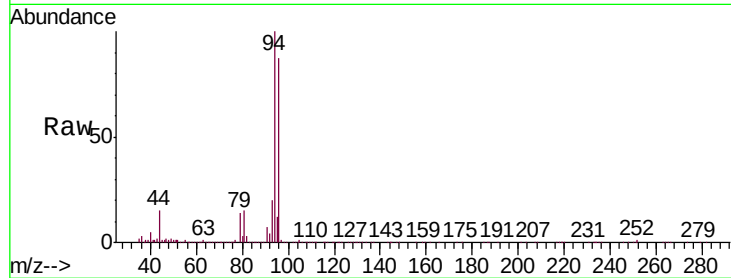
VW0512SBSD01

Tgt Ion: 94 Resp: 193561

Ion Ratio Lower Upper

94 100

96 86.7 74.2 111.2



#6

Chloroethane

Concen: 19.082 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010401.D

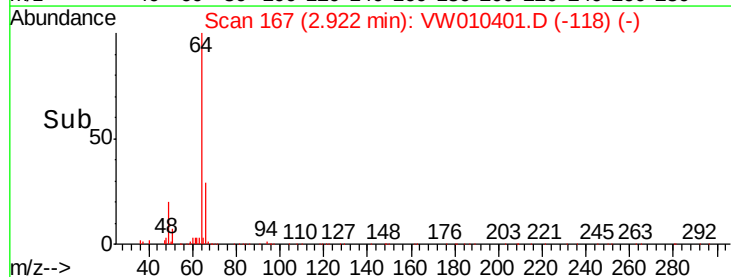
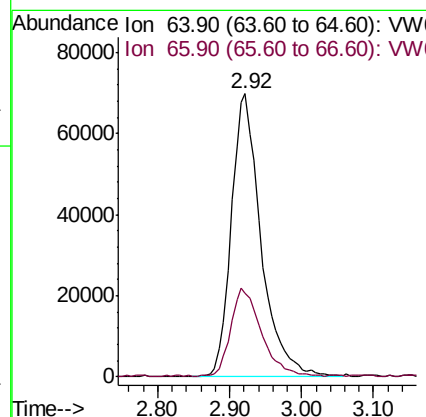
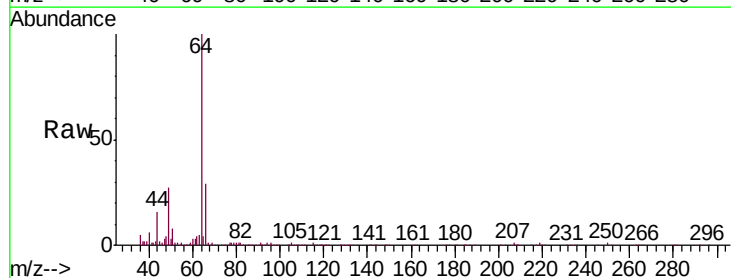
Acq: 12 May 2019 11:43

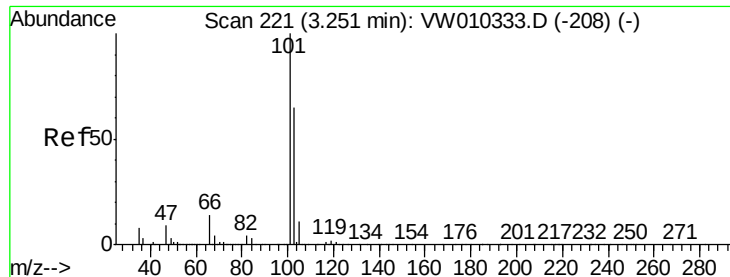
Tgt Ion: 64 Resp: 198624

Ion Ratio Lower Upper

64 100

66 29.3 23.4 35.0



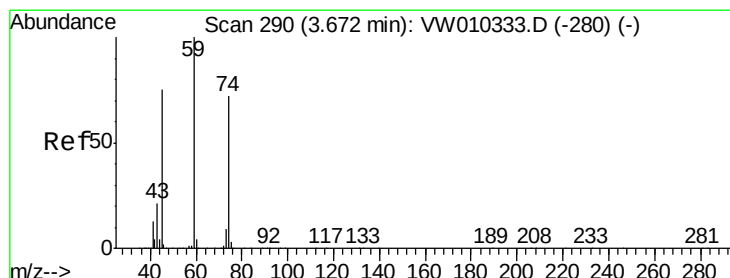
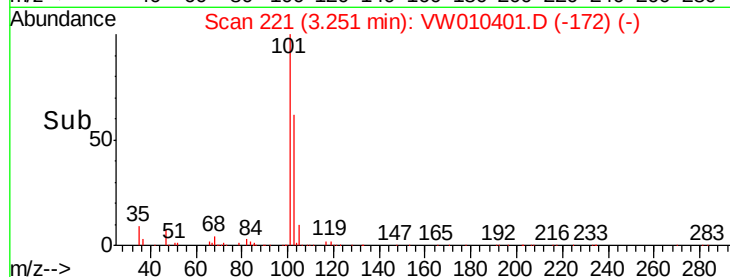
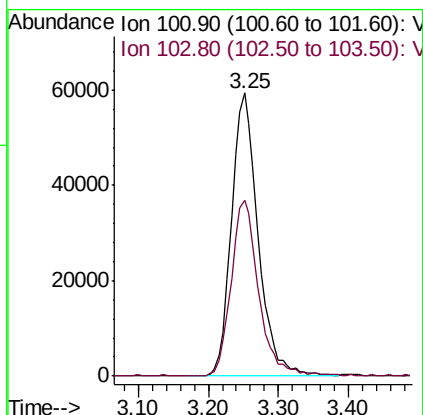
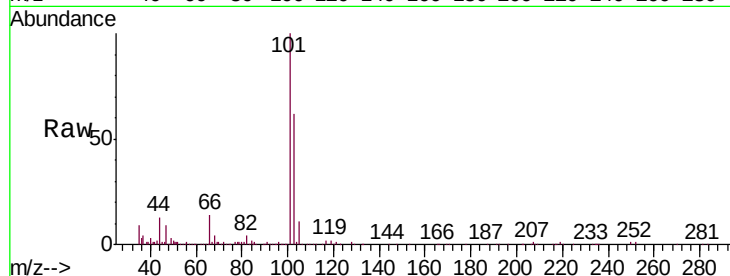


#7

Trichlorofluoromethane
 Concen: 17.390 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
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 VW0512SBSD01

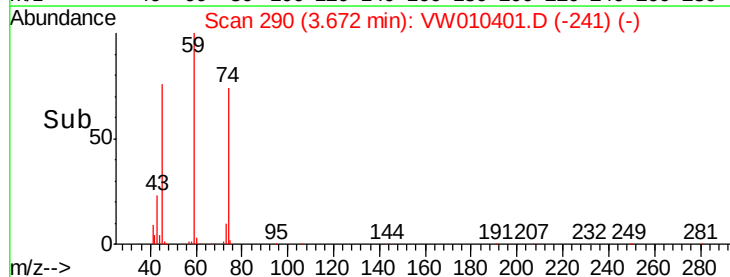
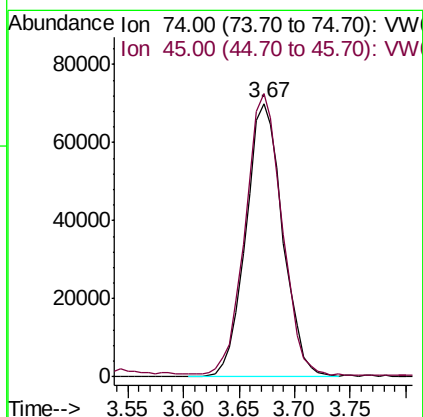
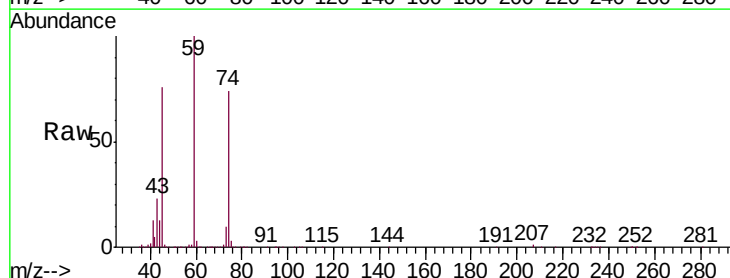
Tgt Ion: 101 Resp: 156687
 Ion Ratio Lower Upper
 101 100
 103 61.8 49.8 74.6

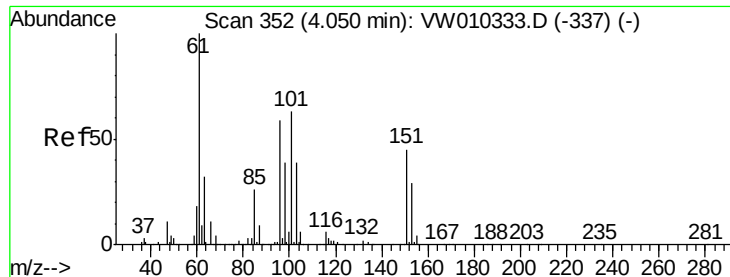


#8

Diethyl Ether
 Concen: 20.386 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

Tgt Ion: 74 Resp: 161474
 Ion Ratio Lower Upper
 74 100
 45 102.9 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.460 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010401.D

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Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

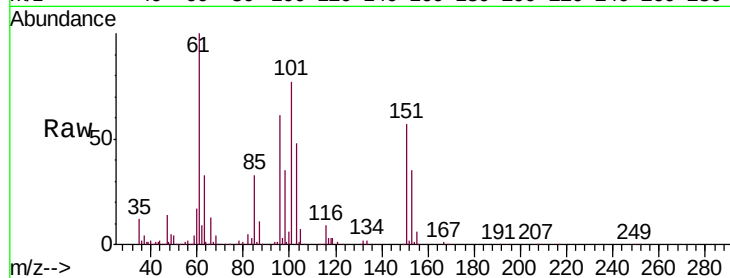
Tgt Ion:101 Resp: 287310

Ion Ratio Lower Upper

101 100

85 43.2 36.3 54.5

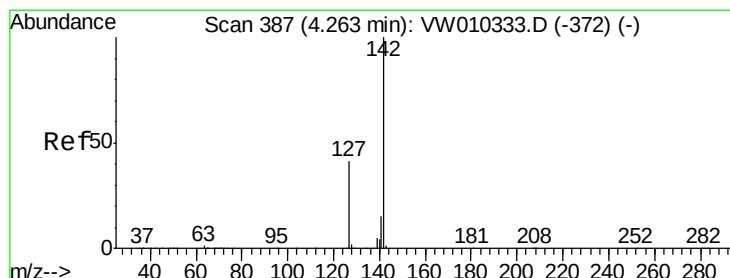
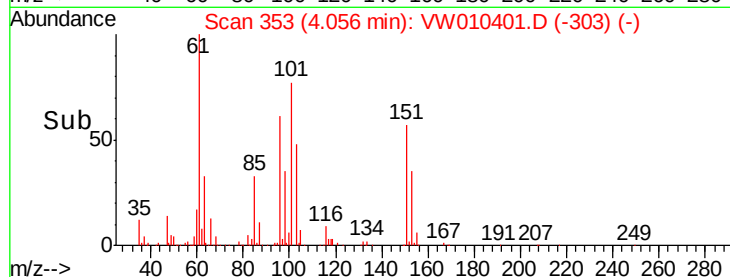
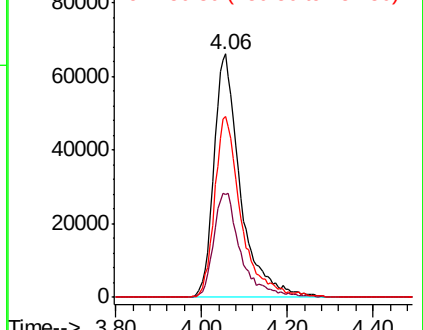
151 74.5 60.2 90.2



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: 19.245 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

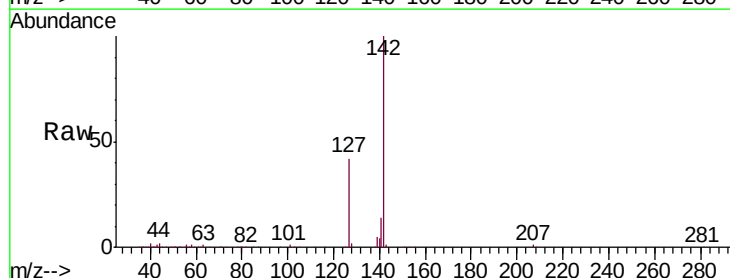
Tgt Ion:142 Resp: 402357

Ion Ratio Lower Upper

142 100

127 43.3 38.1 57.1

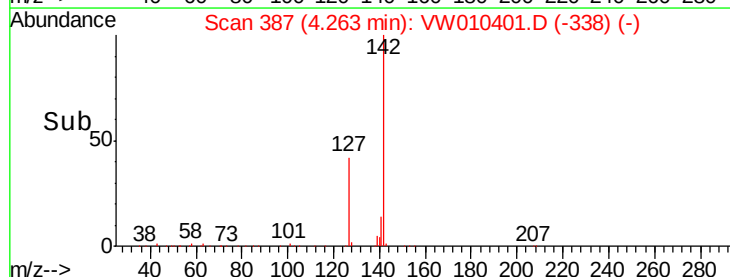
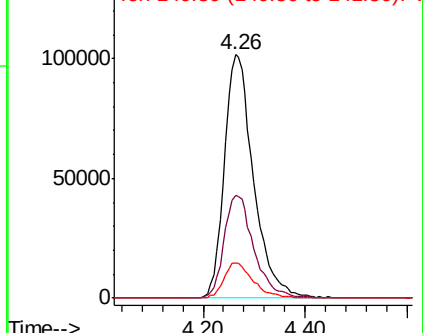
141 14.5 12.2 18.2

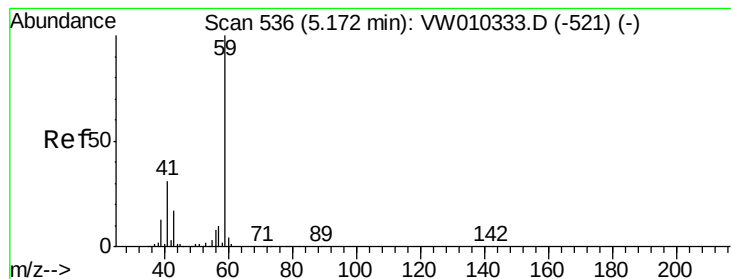


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



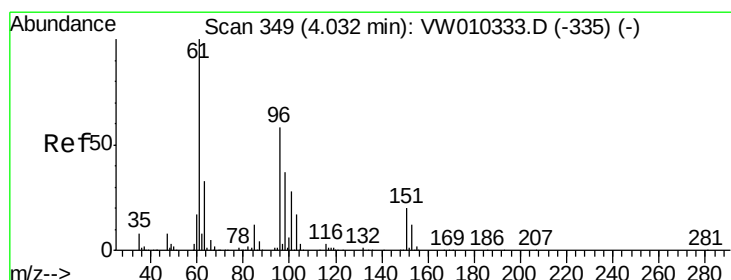
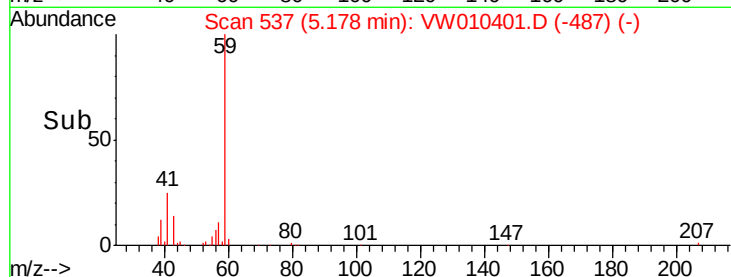
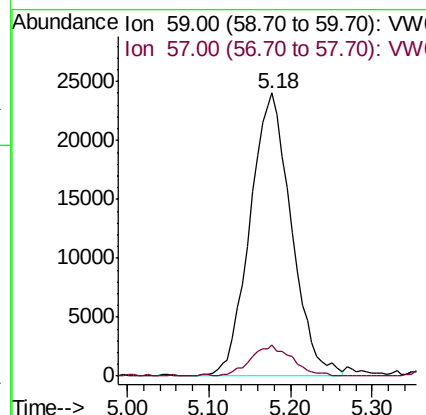
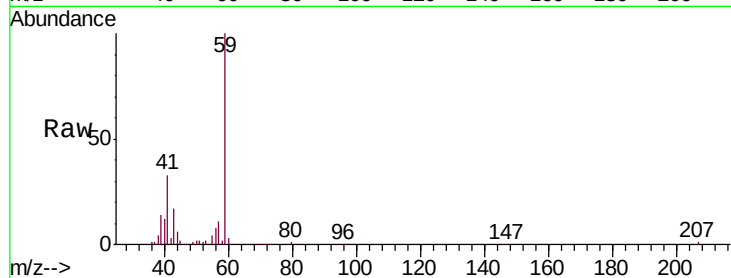


#11

Tert butyl alcohol
 Concen: 79.828 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

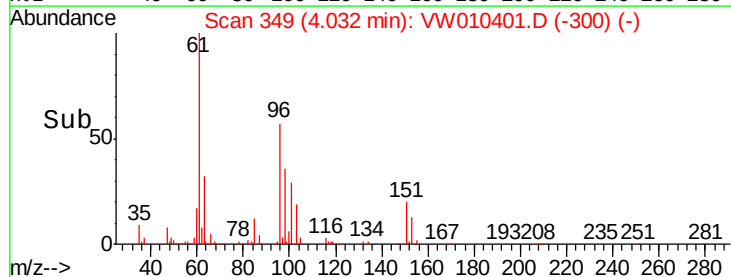
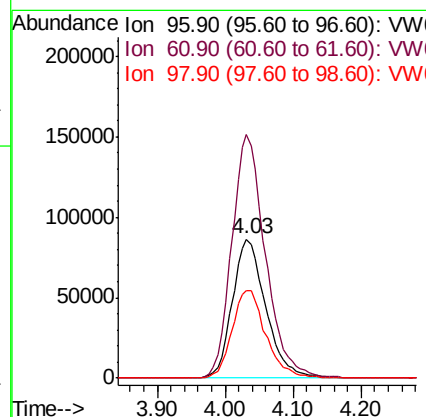
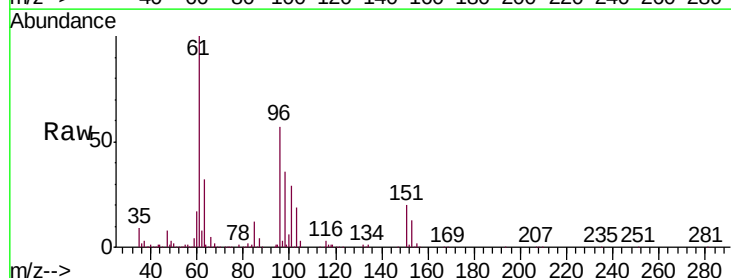
Tgt Ion: 59 Resp: 84795
 Ion Ratio Lower Upper
 59 100
 57 10.4 9.0 13.4

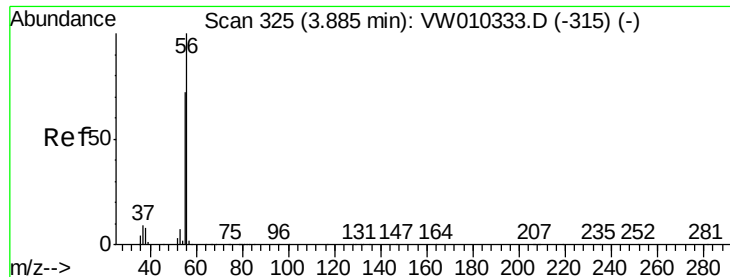


#12

1,1-Dichloroethene
 Concen: 19.077 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

Tgt Ion: 96 Resp: 294308
 Ion Ratio Lower Upper
 96 100
 61 175.2 147.4 221.2
 98 62.8 49.7 74.5





#13

Acrolein

Concen: 70.341 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

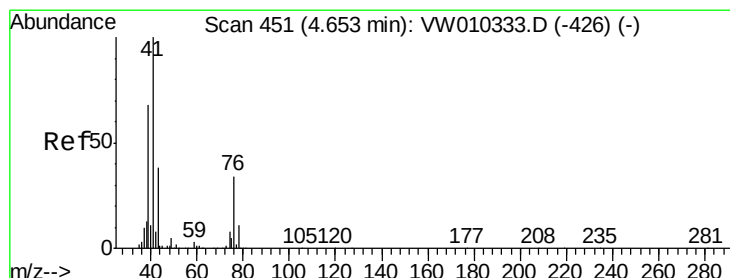
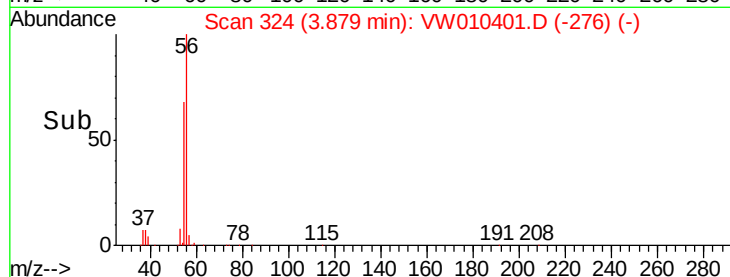
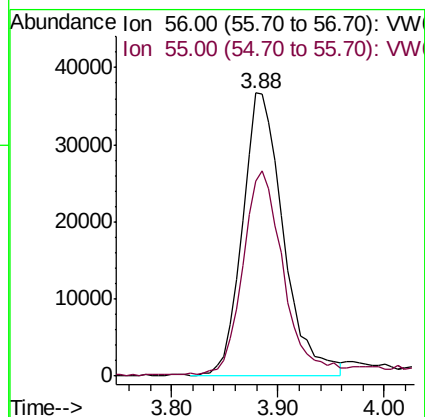
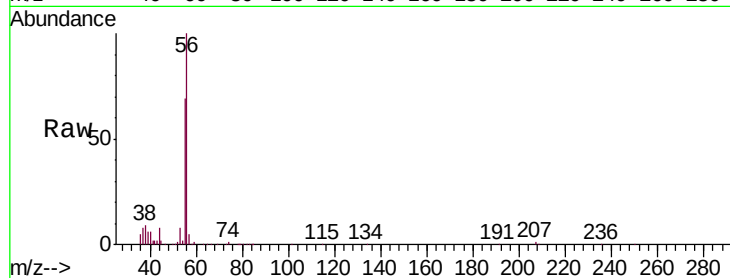
VW0512SBSD01

Tgt Ion: 56 Resp: 98648

Ion Ratio Lower Upper

56 100

55 71.5 54.2 81.2



#14

Allyl chloride

Concen: 19.505 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.01 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

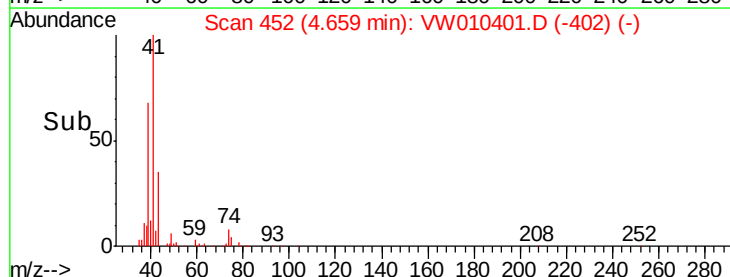
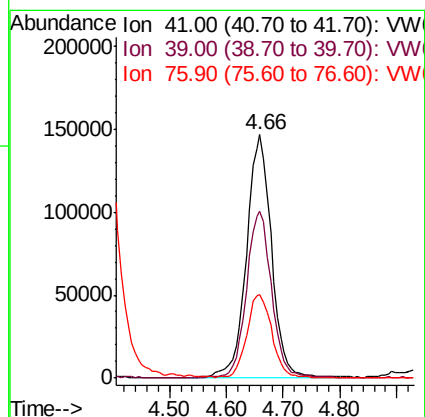
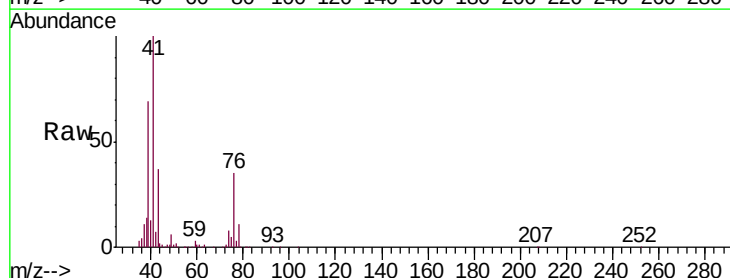
Tgt Ion: 41 Resp: 449165

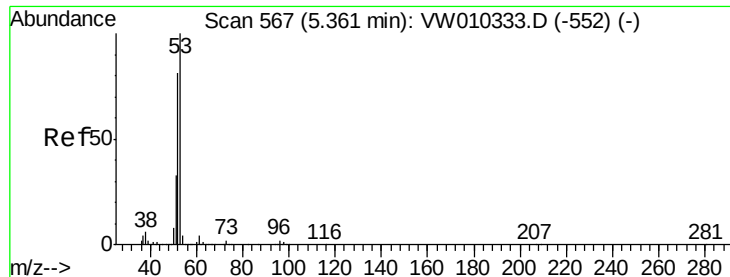
Ion Ratio Lower Upper

41 100

39 68.8 60.2 90.4

76 33.9 25.0 37.6

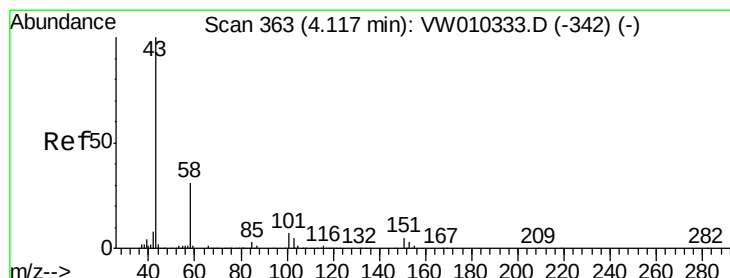
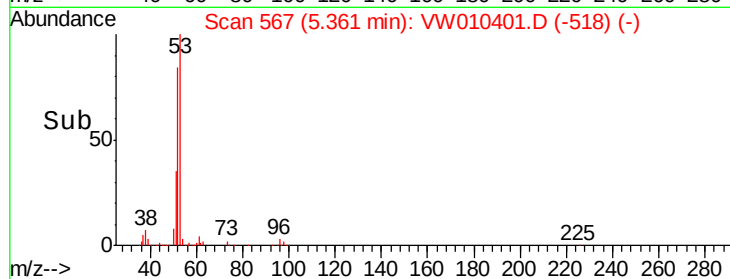
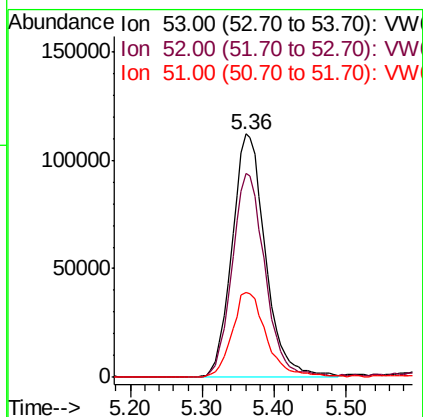
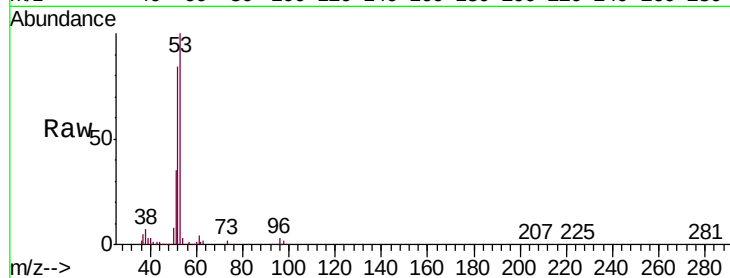




#15
 Acrylonitrile
 Concen: 82.178 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

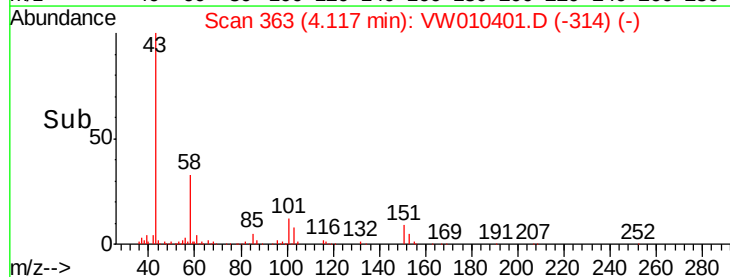
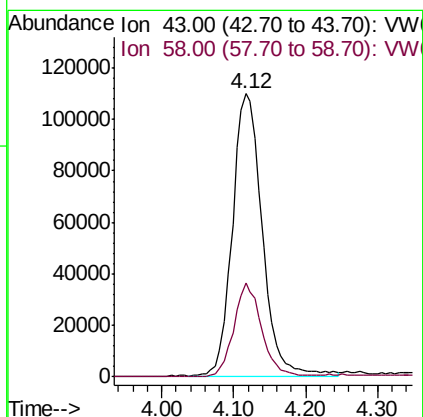
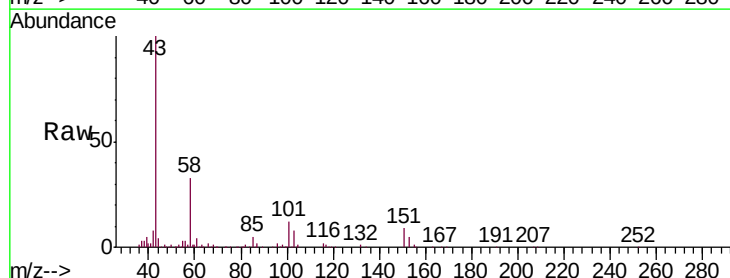
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

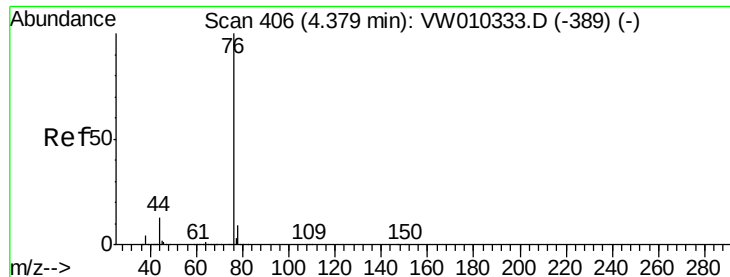
Tgt Ion: 53 Resp: 360791
 Ion Ratio Lower Upper
 53 100
 52 82.7 66.6 100.0
 51 35.9 30.3 45.5



#16
 Acetone
 Concen: 80.137 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

Tgt Ion: 43 Resp: 314227
 Ion Ratio Lower Upper
 43 100
 58 32.9 22.7 34.1





#17

Carbon Disulfide

Concen: 18.159 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

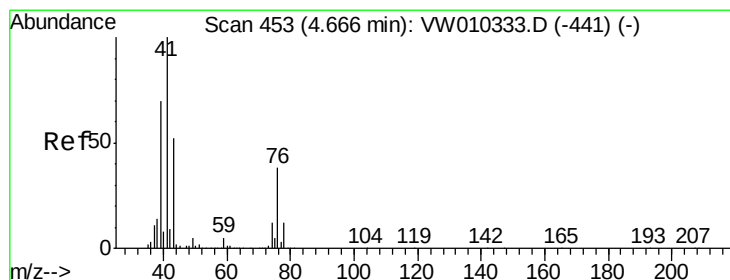
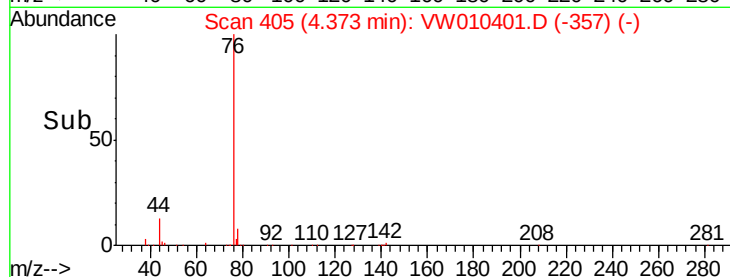
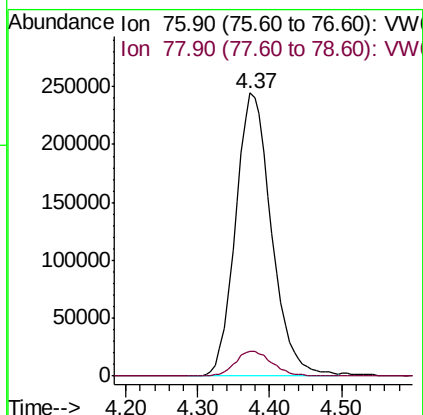
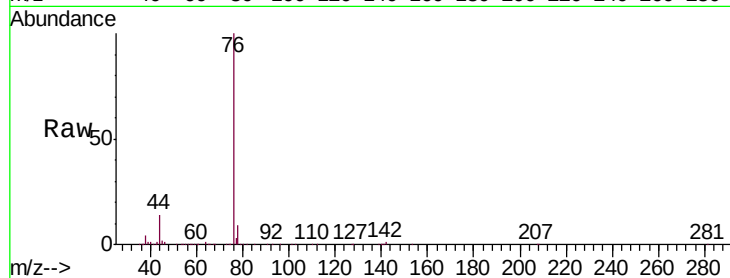
VW0512SBSD01

Tgt Ion: 76 Resp: 847268

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2



#18

Methyl Acetate

Concen: 16.715 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010401.D

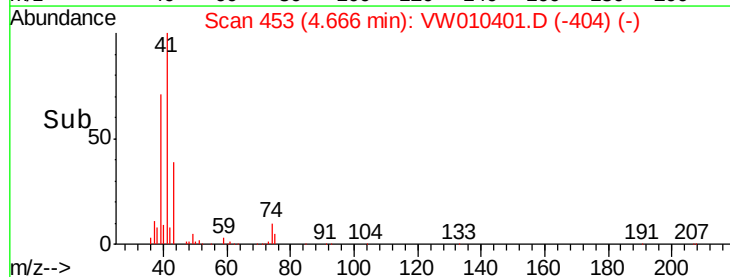
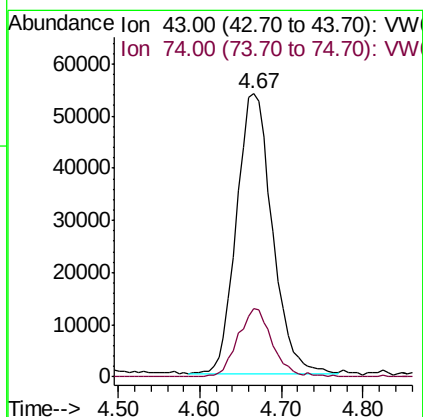
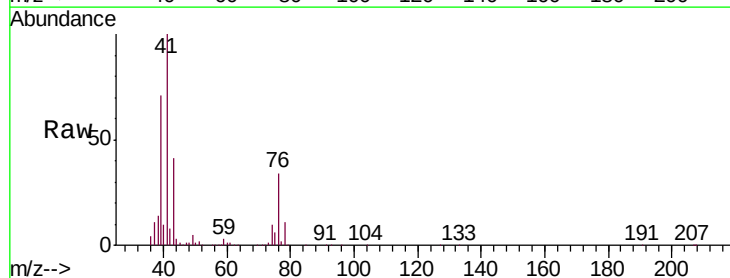
Acq: 12 May 2019 11:43

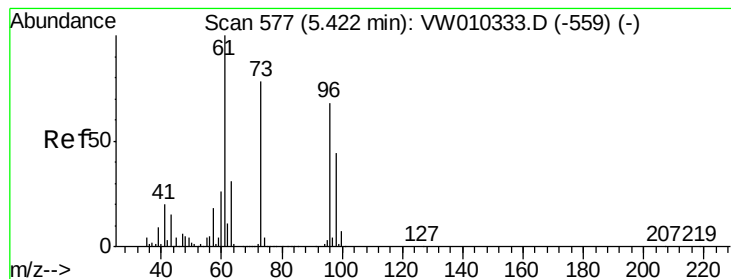
Tgt Ion: 43 Resp: 162344

Ion Ratio Lower Upper

43 100

74 23.7 16.8 25.2



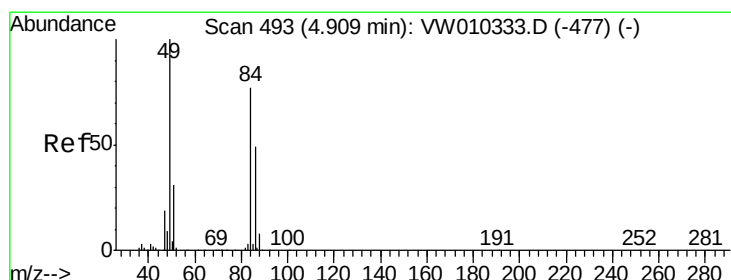
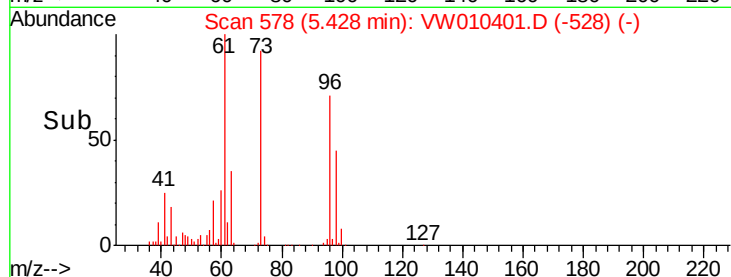
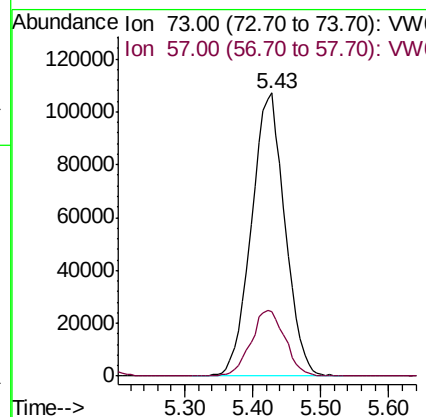
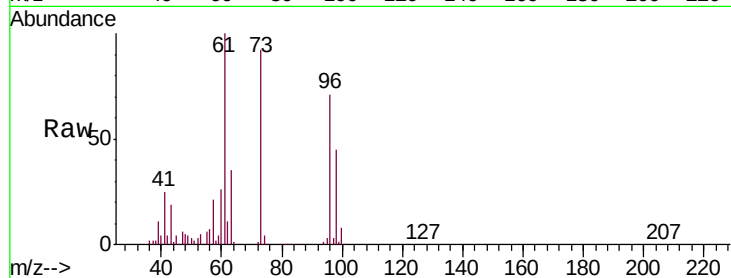


#19

Methyl tert-butyl Ether
 Concen: 20.024 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

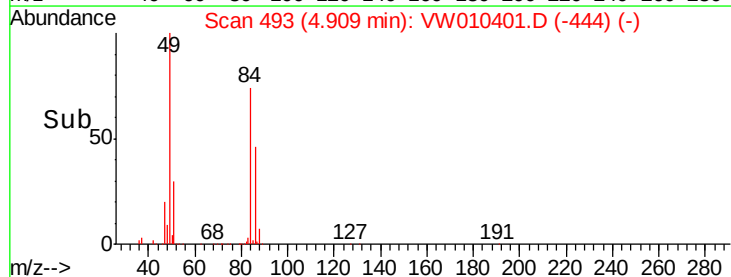
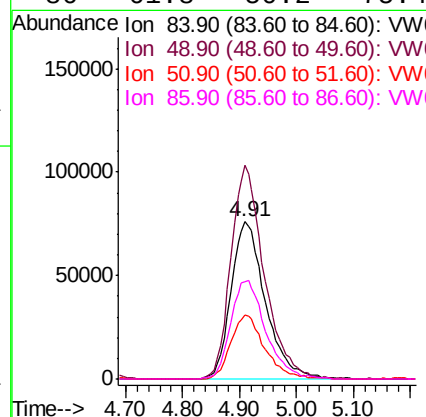
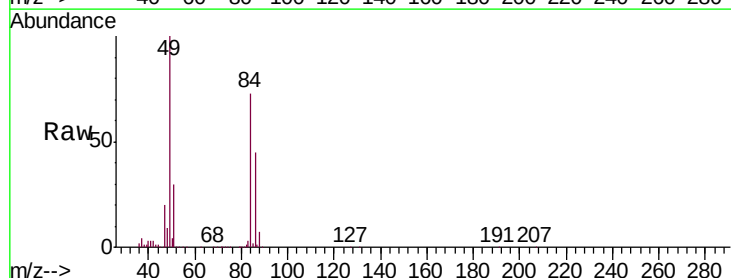
Tgt Ion: 73 Resp: 367755
 Ion Ratio Lower Upper
 73 100
 57 22.7 18.5 27.7

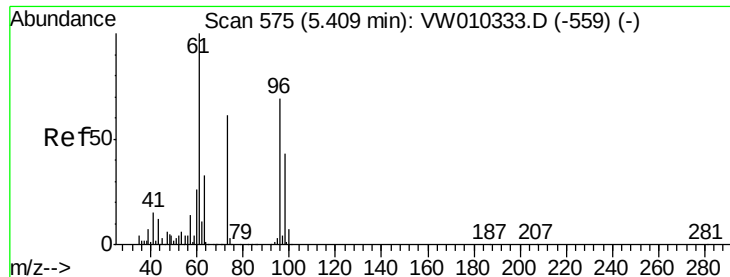


#20

Methylene Chloride
 Concen: 19.591 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

Tgt Ion: 84 Resp: 320410
 Ion Ratio Lower Upper
 84 100
 49 136.1 112.3 168.5
 51 40.9 33.9 50.9
 86 61.8 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 19.543 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

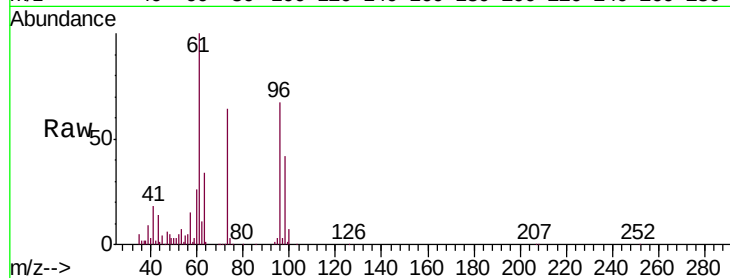
Tgt Ion: 96 Resp: 324539

Ion Ratio Lower Upper

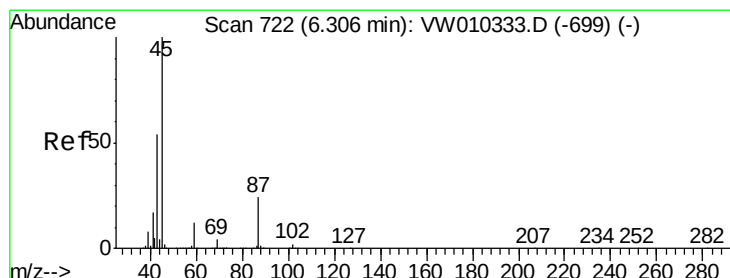
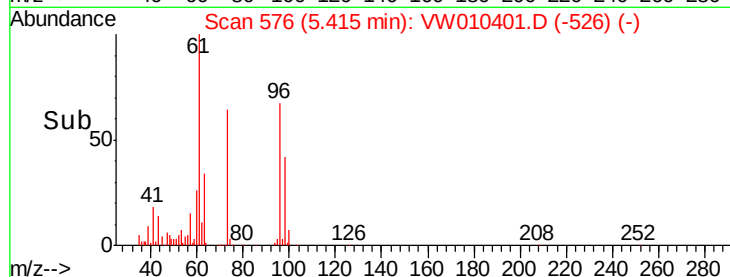
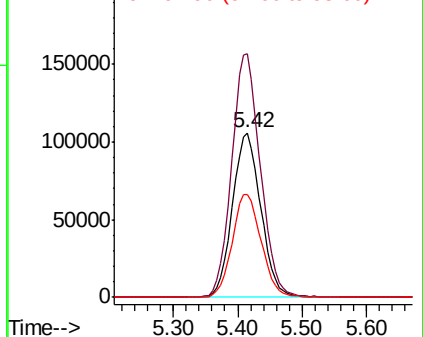
96 100

61 148.1 122.3 183.5

98 62.5 50.5 75.7



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



#22

Diisopropyl ether

Concen: 22.171 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Tgt Ion: 45 Resp: 990886

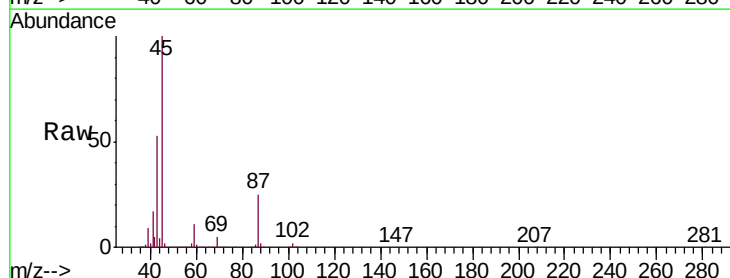
Ion Ratio Lower Upper

45 100

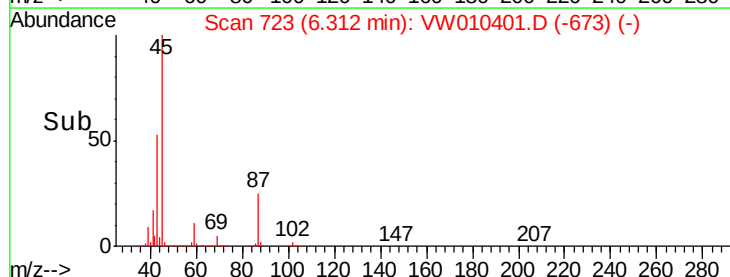
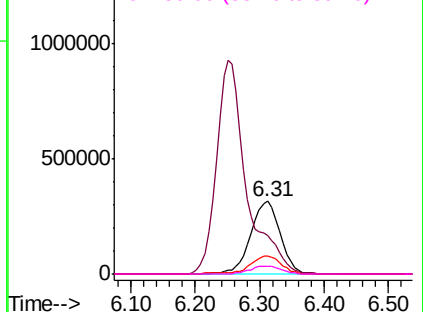
43 52.3 46.1 69.1

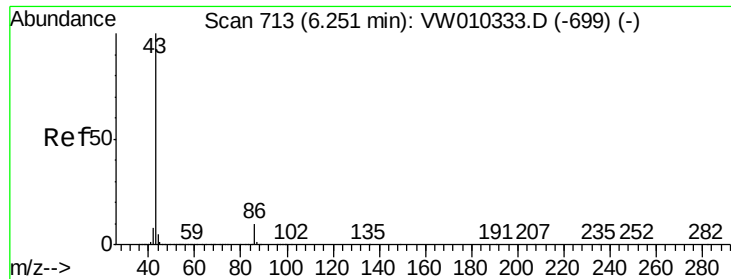
87 24.7 18.3 27.5

59 11.3 8.2 12.4



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





#23

Vinyl Acetate

Concen: 98.211 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

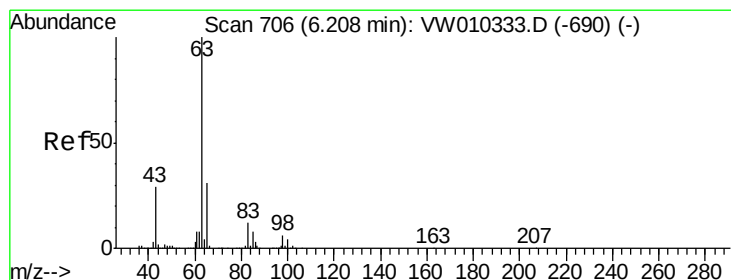
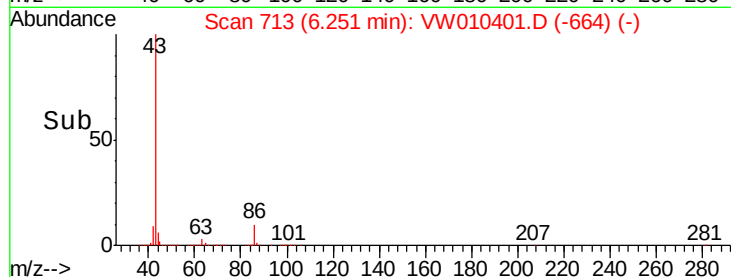
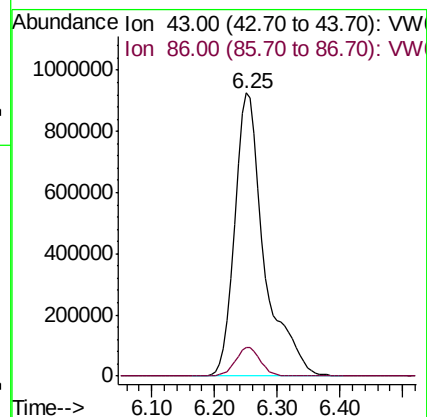
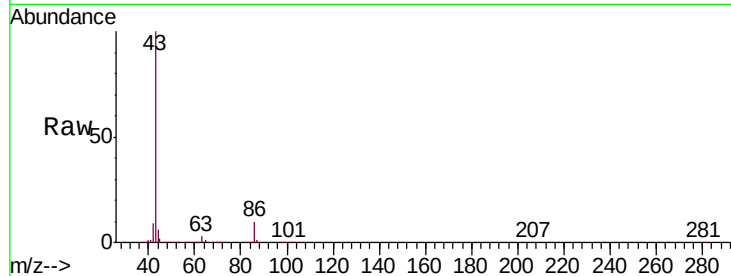
VW0512SBSD01

Tgt Ion: 43 Resp: 3013966

Ion Ratio Lower Upper

43 100

86 10.2 7.0 10.6



#24

1,1-Dichloroethane

Concen: 20.464 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

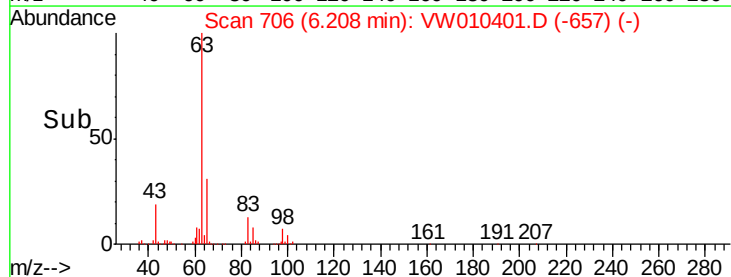
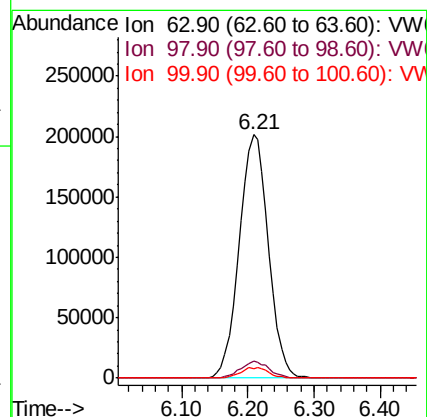
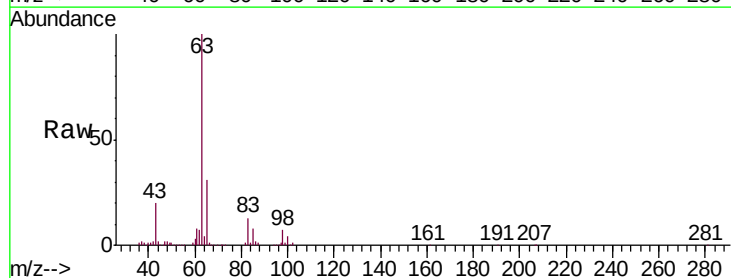
Tgt Ion: 63 Resp: 615767

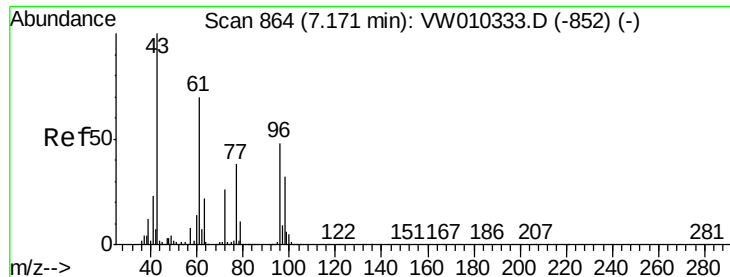
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 79.097 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

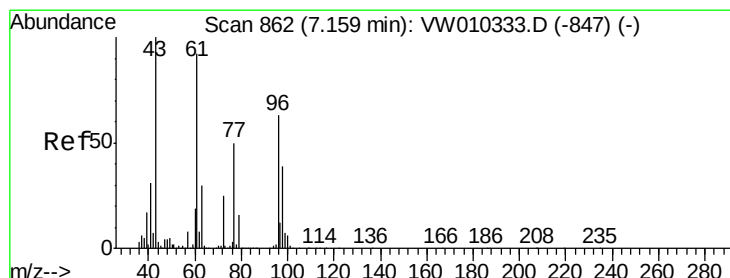
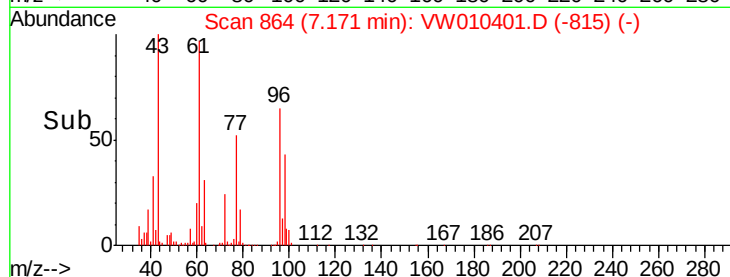
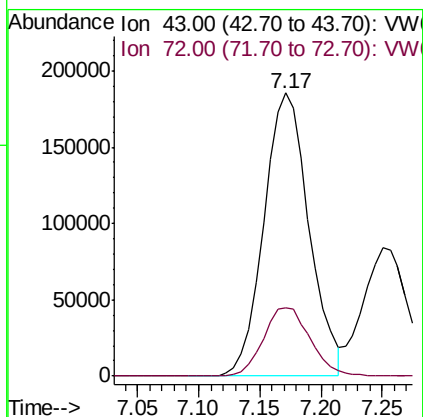
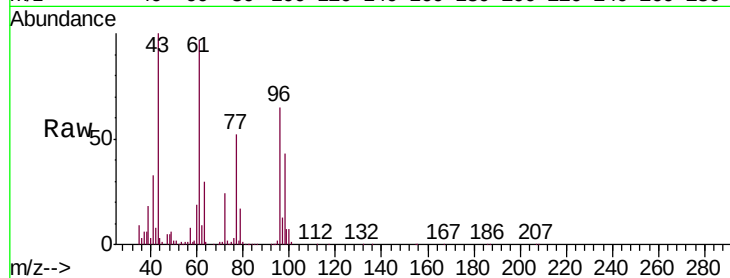
VW0512SBSD01

Tgt Ion: 43 Resp: 474468

Ion Ratio Lower Upper

43 100

72 24.4 19.1 28.7



#26

2,2-Dichloropropane

Concen: 20.721 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010401.D

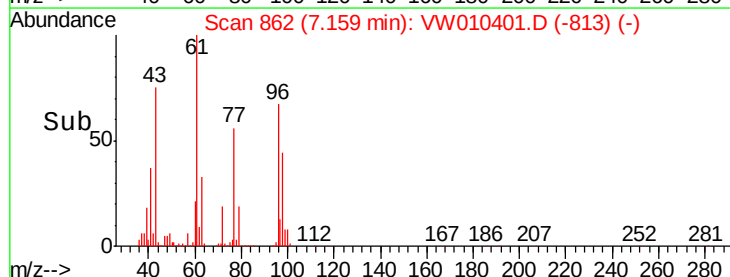
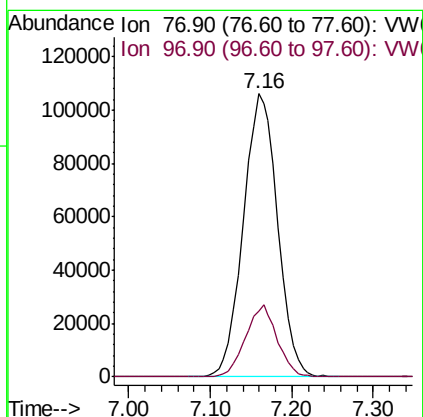
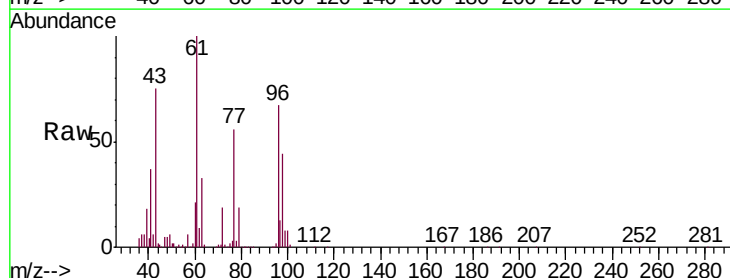
Acq: 12 May 2019 11:43

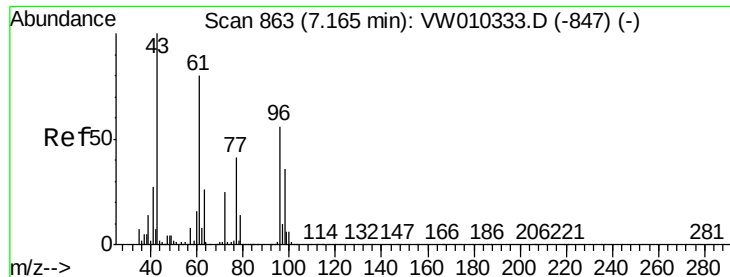
Tgt Ion: 77 Resp: 310218

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.9



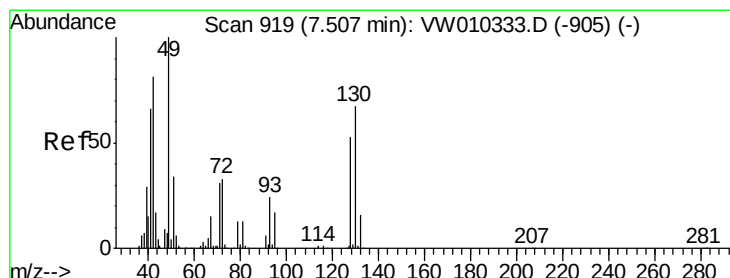
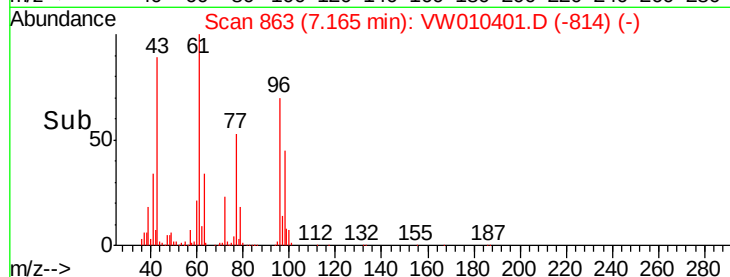
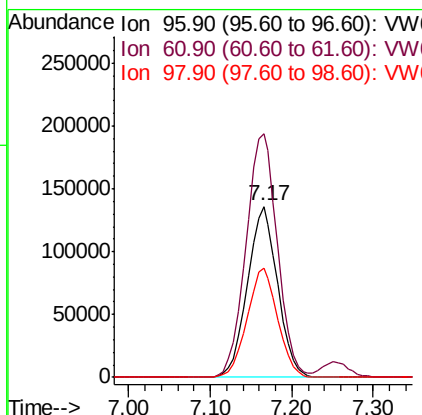
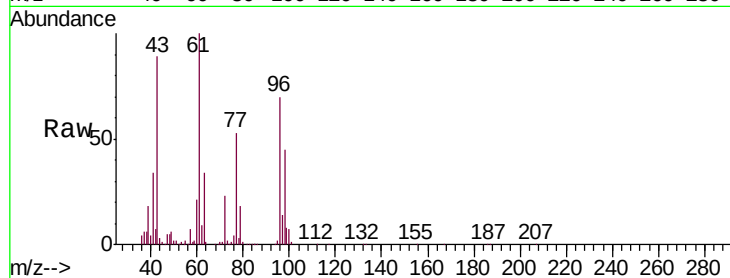


#27

cis-1,2-Dichloroethene
Concen: 20.471 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

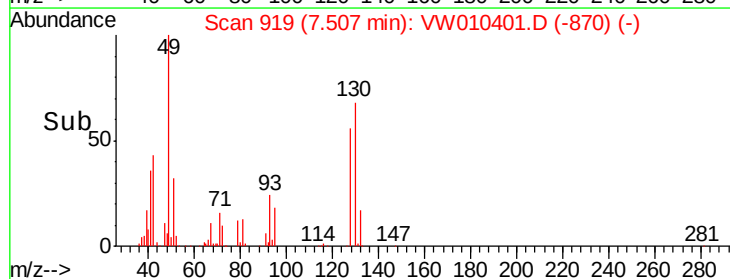
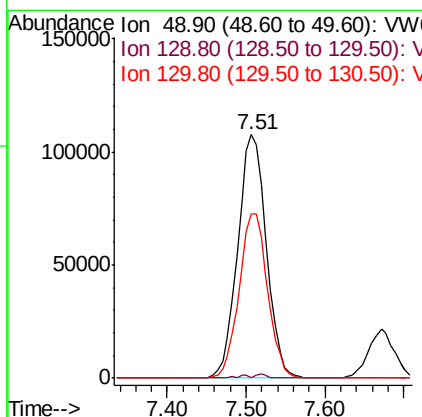
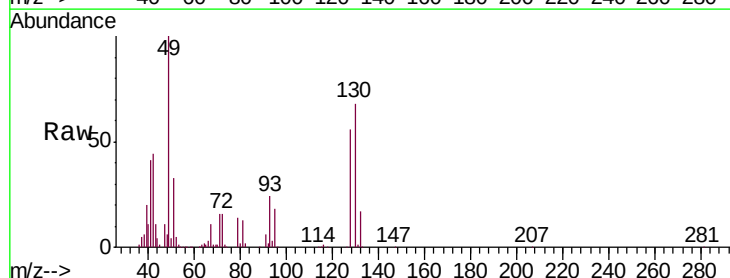
Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	309.4
98	64.6	0.0	128.6

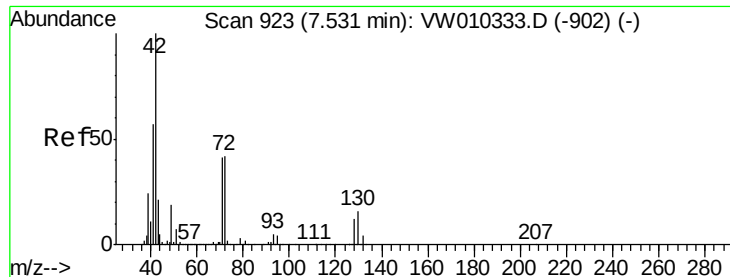


#28

Bromochloromethane
Concen: 24.427 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.8
130	67.5	54.6	82.0





#29

Tetrahydrofuran

Concen: 81.164 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

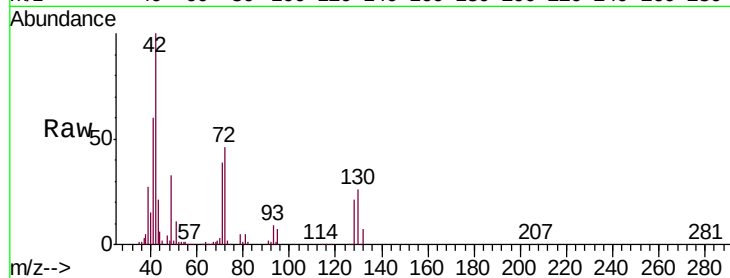
Tgt Ion: 42 Resp: 314908

Ion Ratio Lower Upper

42 100

72 41.4 31.0 46.6

71 38.4 29.7 44.5

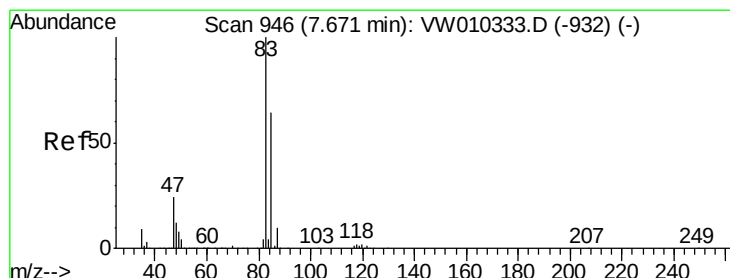
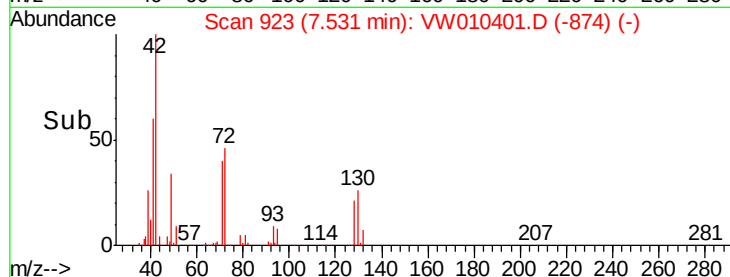
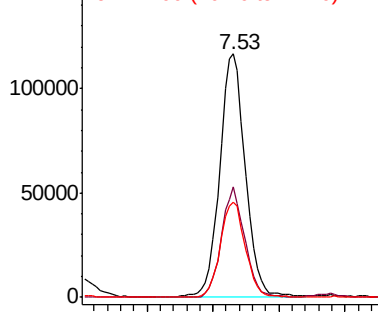


Abundance

Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 20.966 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010401.D

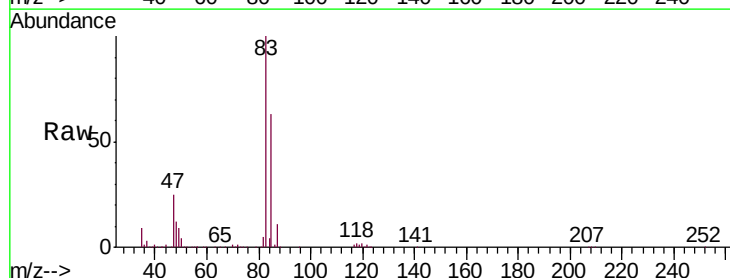
Acq: 12 May 2019 11:43

Tgt Ion: 83 Resp: 590428

Ion Ratio Lower Upper

83 100

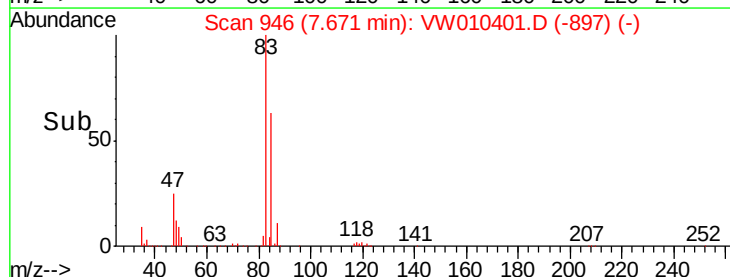
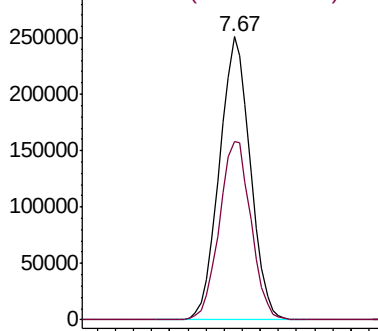
85 63.0 50.7 76.1

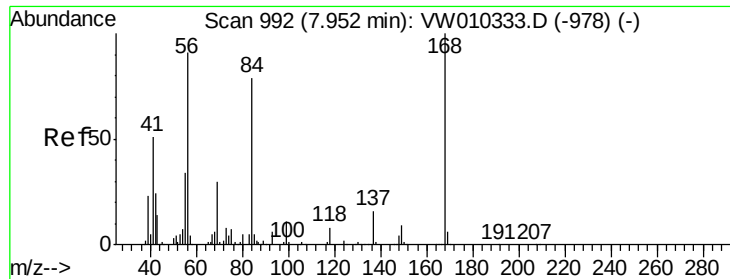


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

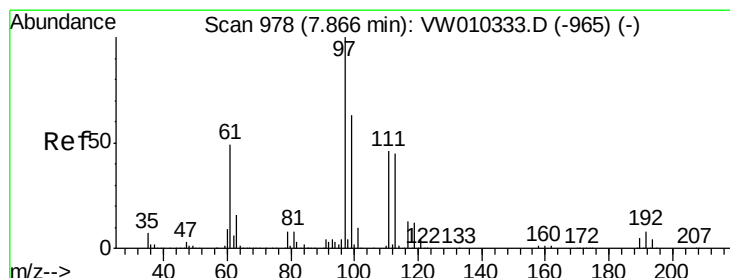
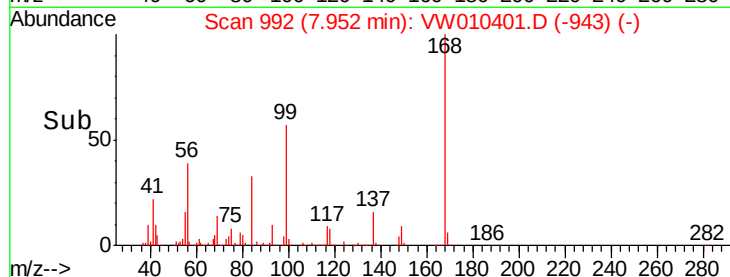
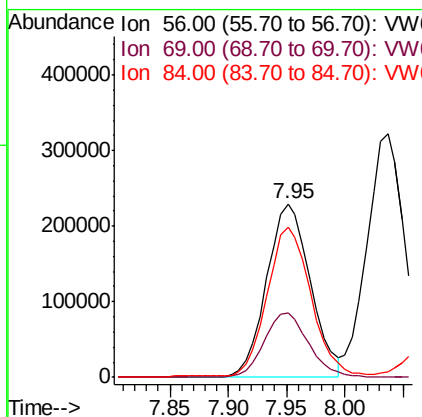
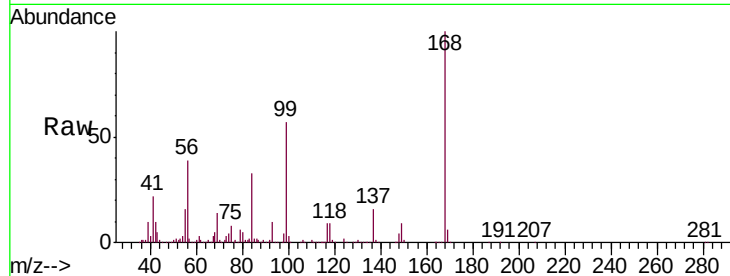




#31
Cyclohexane
Concen: 19.402 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

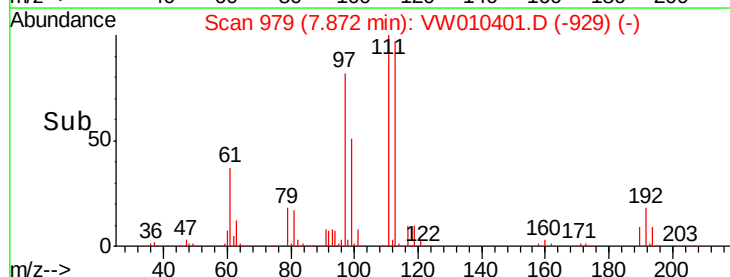
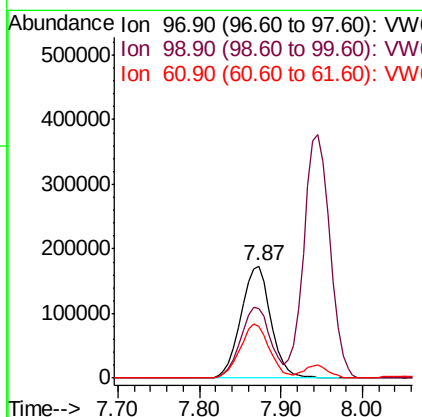
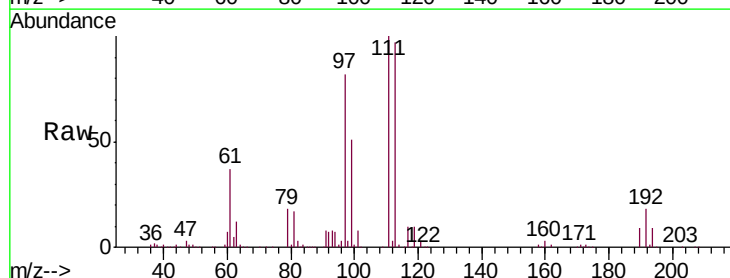
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

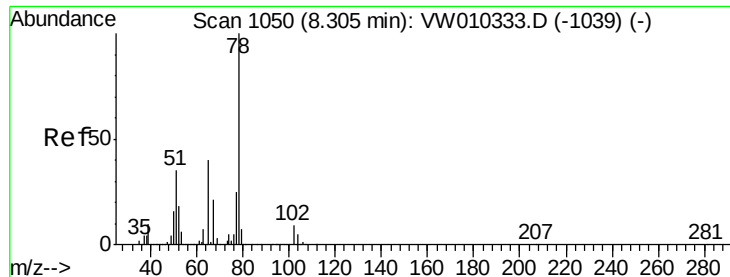
Tgt Ion: 56 Resp: 597761
Ion Ratio Lower Upper
56 100
69 37.2 26.6 40.0
84 85.3 66.2 99.2



#32
1,1,1-Trichloroethane
Concen: 20.296 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

Tgt Ion: 97 Resp: 442702
Ion Ratio Lower Upper
97 100
99 62.9 50.2 75.2
61 47.3 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 42.017 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

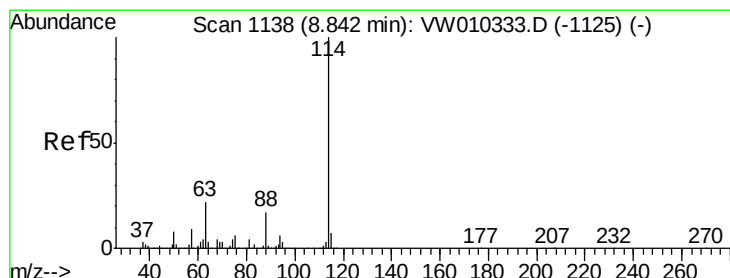
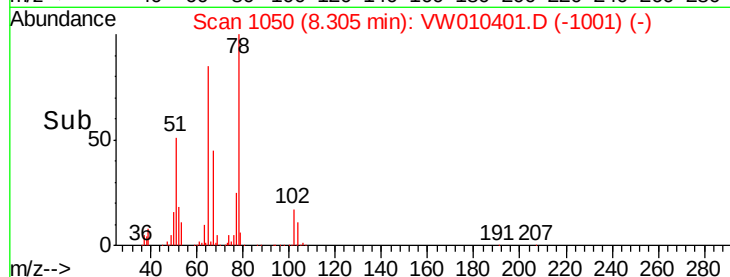
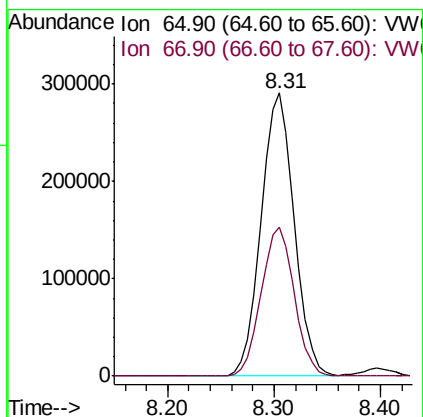
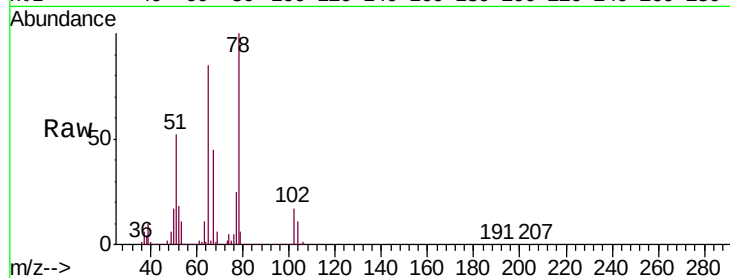
VW0512SBSD01

Tgt Ion: 65 Resp: 631990

Ion Ratio Lower Upper

65 100

67 52.8 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

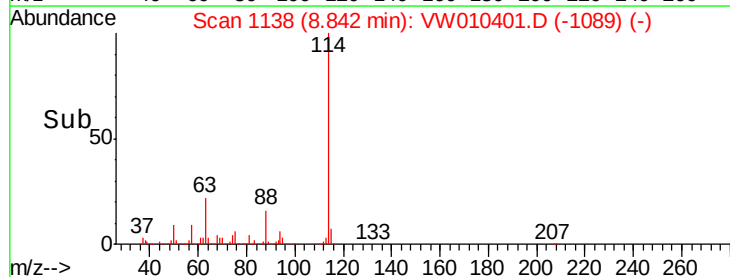
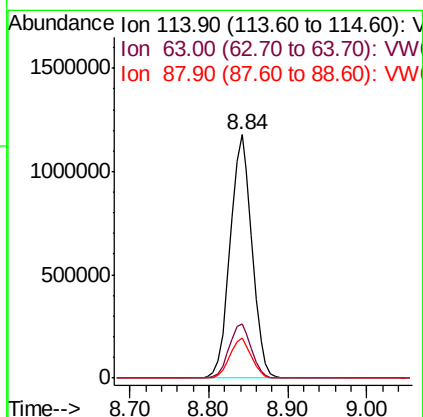
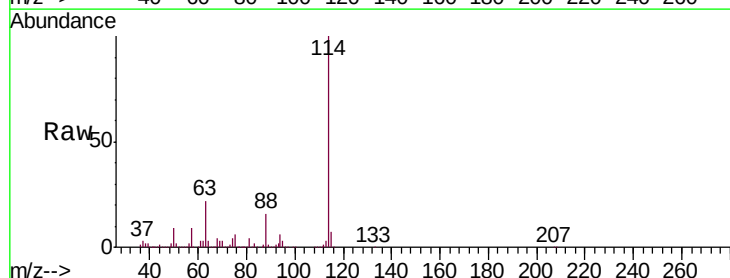
Tgt Ion: 114 Resp: 2254423

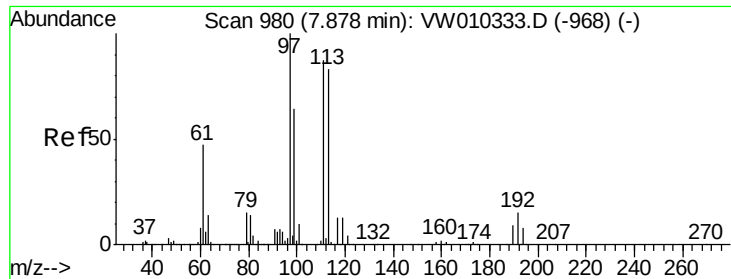
Ion Ratio Lower Upper

114 100

63 22.2 0.0 46.2

88 16.5 0.0 32.6

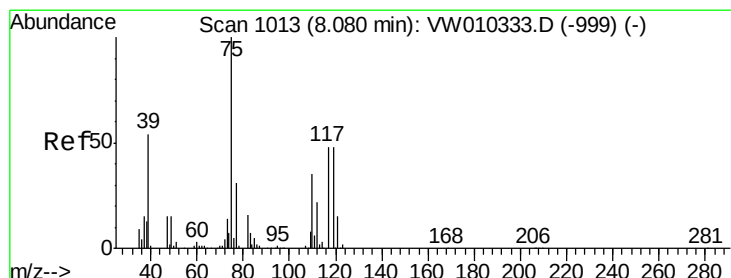
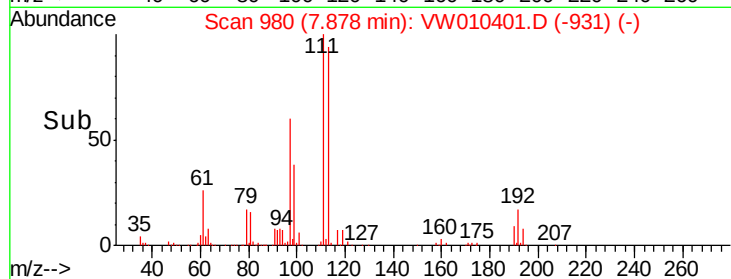
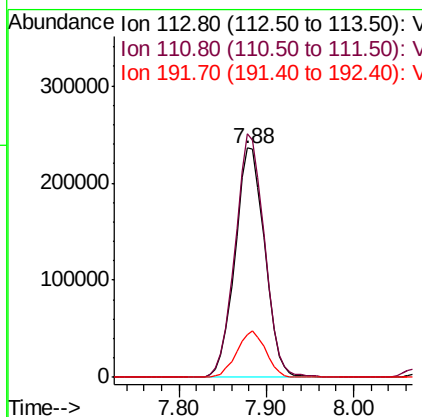
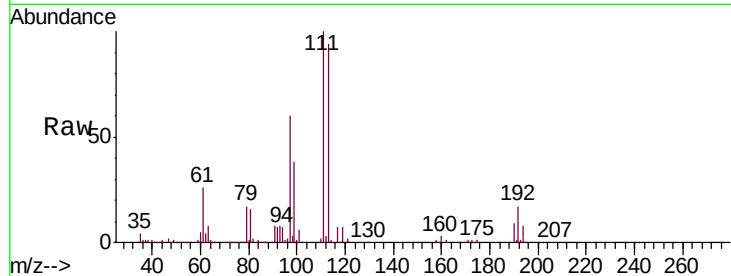




#35
 Dibromofluoromethane
 Concen: 42.366 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

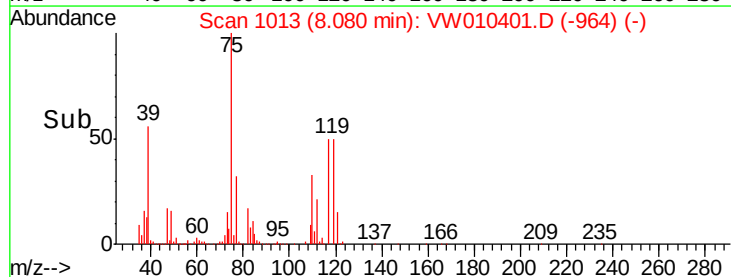
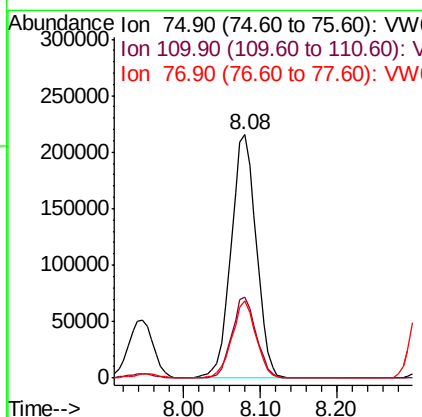
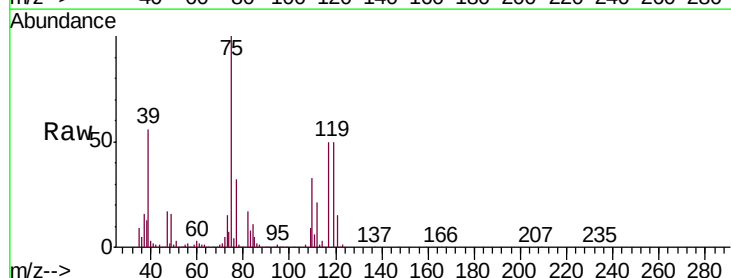
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

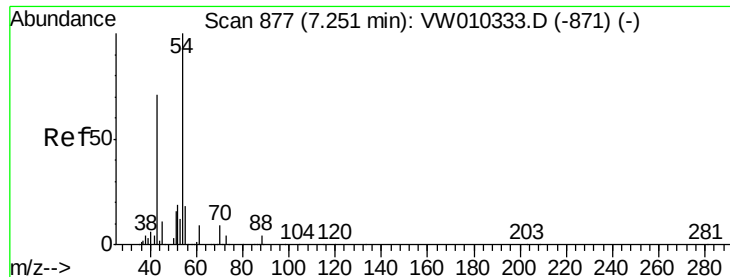
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.6	123.8
192	19.7	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 20.047 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.6	49.8
77	30.3	24.8	37.2

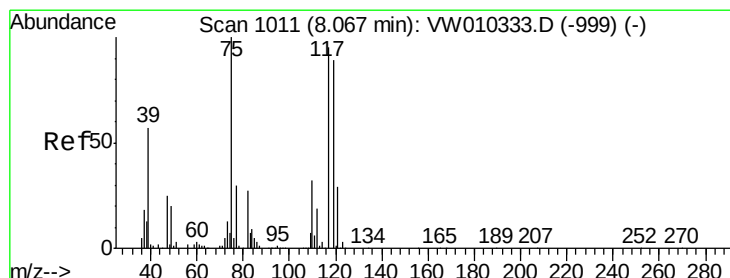
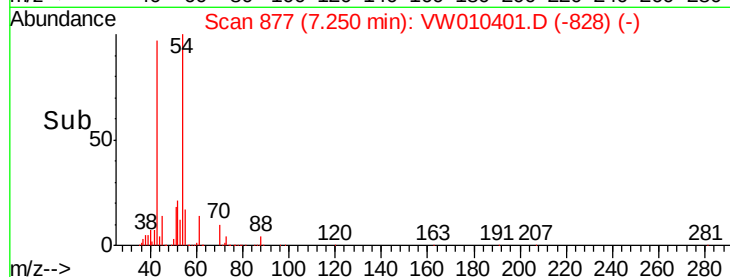
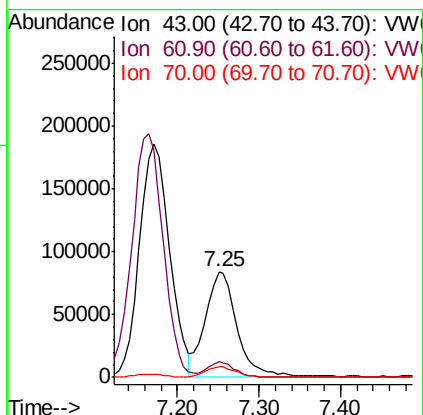
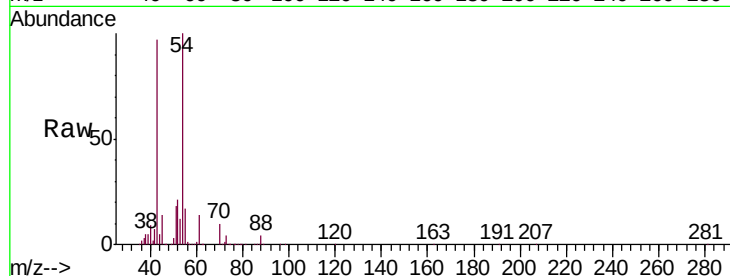




#37
Ethyl Acetate
Concen: 17.407 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

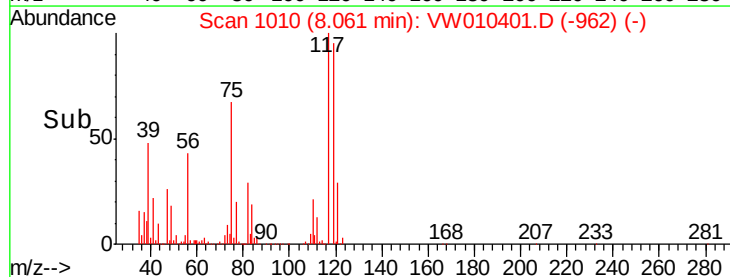
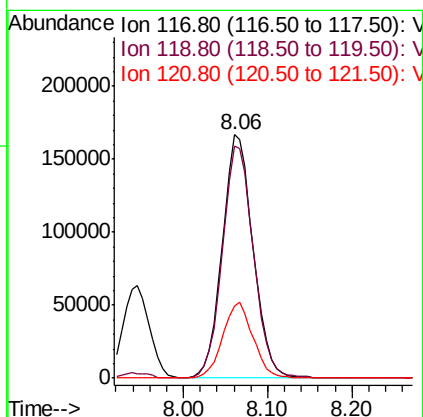
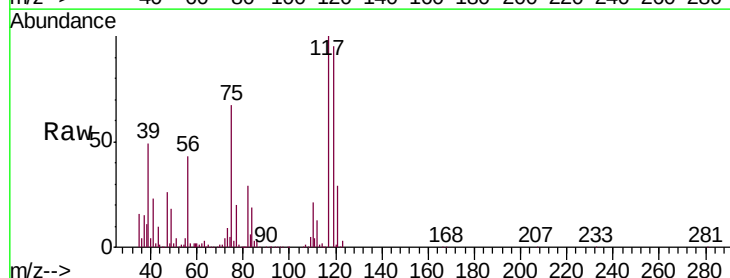
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

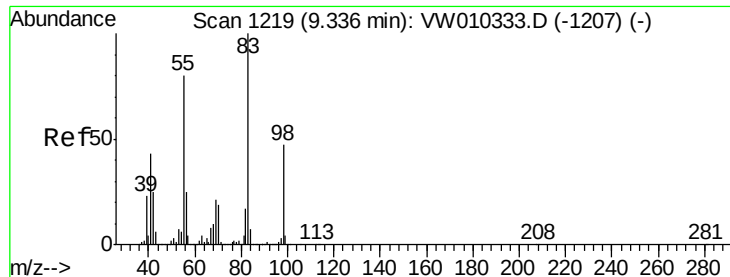
Tgt Ion: 43 Resp: 226549
Ion Ratio Lower Upper
43 100
61 13.3 9.8 14.8
70 9.9 7.4 11.0



#38
Carbon Tetrachloride
Concen: 19.901 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

Tgt Ion: 117 Resp: 417006
Ion Ratio Lower Upper
117 100
119 95.2 75.3 112.9
121 29.5 24.4 36.6

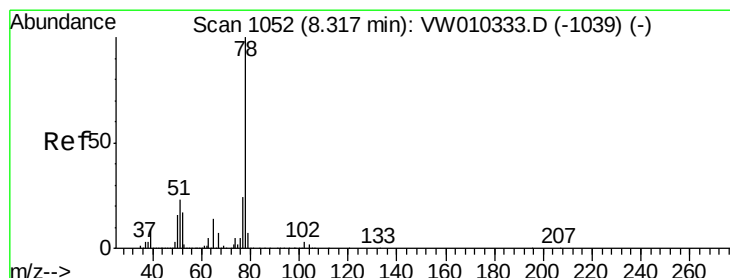
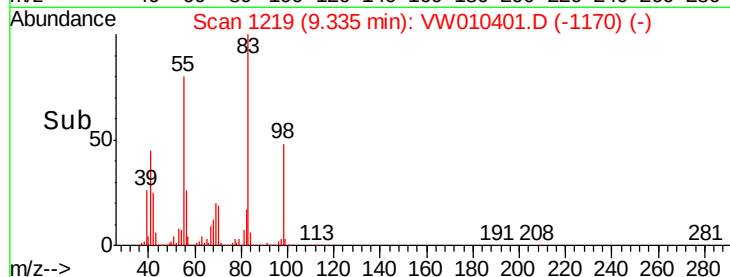
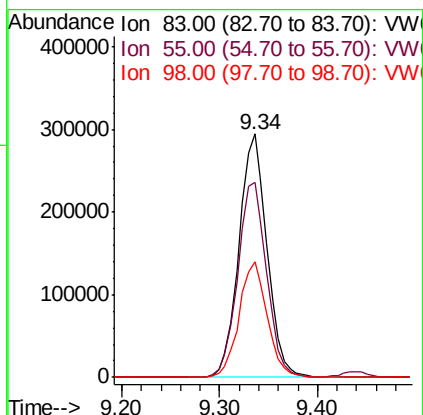
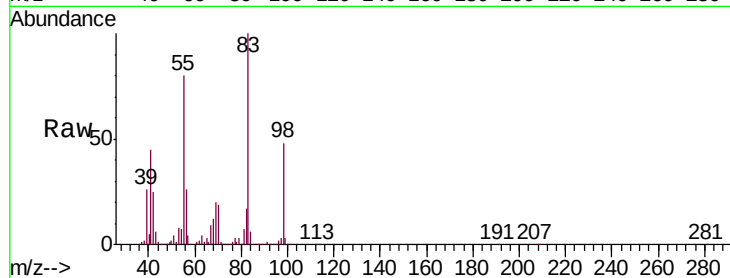




#39
Methylcyclohexane
Concen: 19.530 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

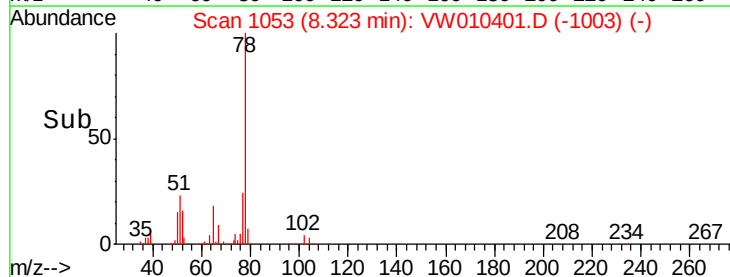
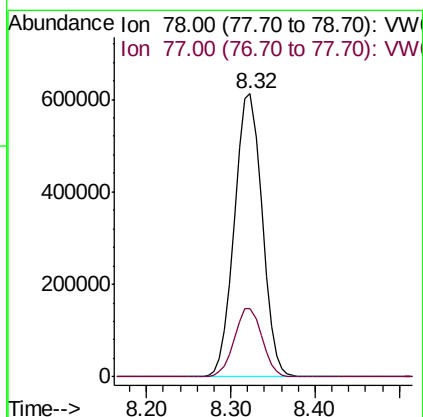
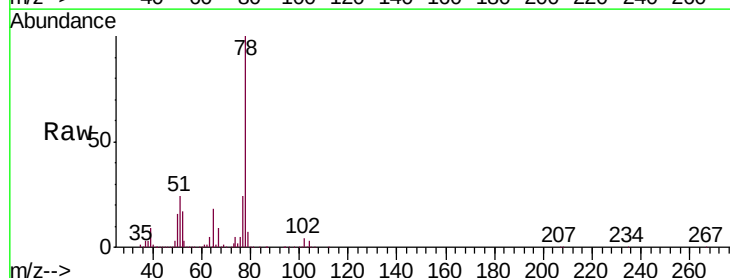
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

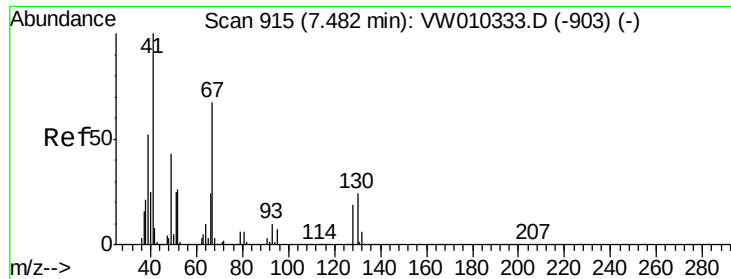
Tgt Ion: 83 Resp: 584006
Ion Ratio Lower Upper
83 100
55 79.8 67.1 100.7
98 47.7 39.2 58.8



#40
Benzene
Concen: 20.293 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

Tgt Ion: 78 Resp: 1358472
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7

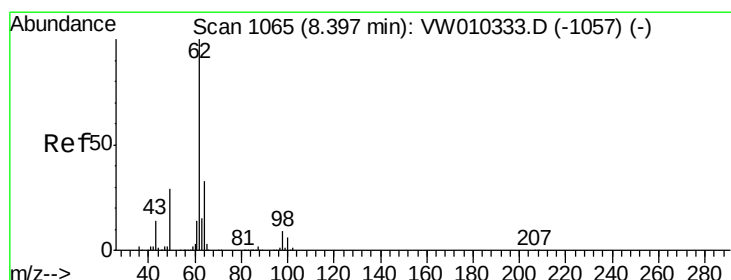
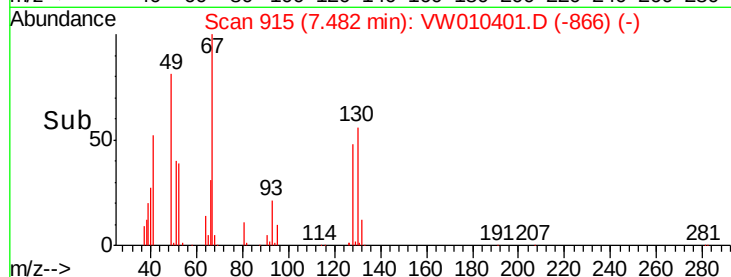
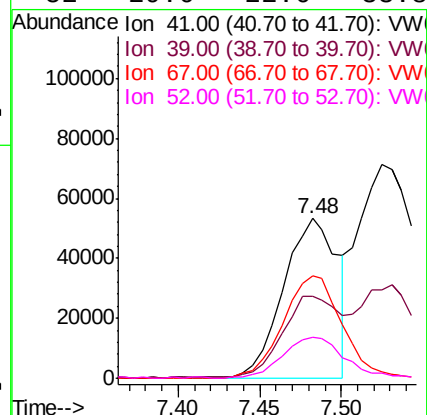
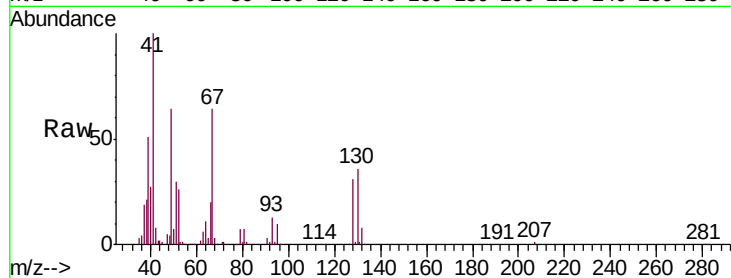




#41
Methacrylonitrile
Concen: 16.806 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

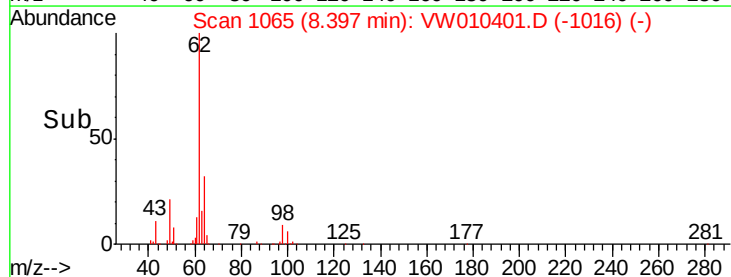
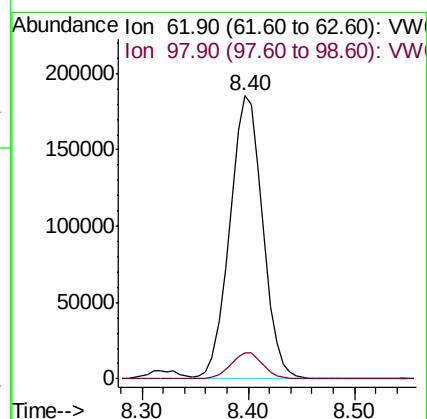
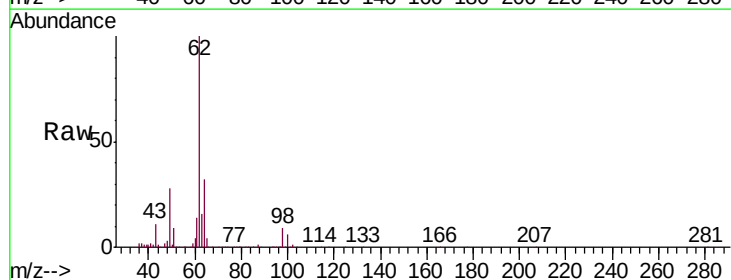
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

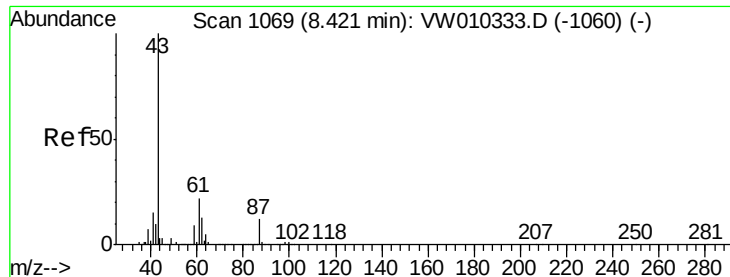
Tgt Ion:	41	Resp:	122668
Ion	Ratio	Lower	Upper
41	100		
39	53.5	45.0	67.4
67	70.1	50.7	76.1
52	29.6	22.6	33.8



#42
1,2-Dichloroethane
Concen: 20.942 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

Tgt Ion:	62	Resp:	401295
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 17.795 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

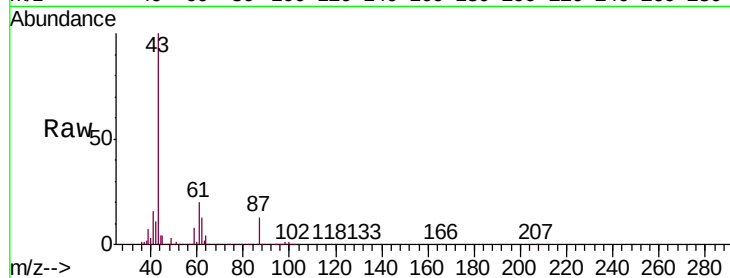
Tgt Ion: 43 Resp: 384095

Ion Ratio Lower Upper

43 100

61 30.5 23.0 34.6

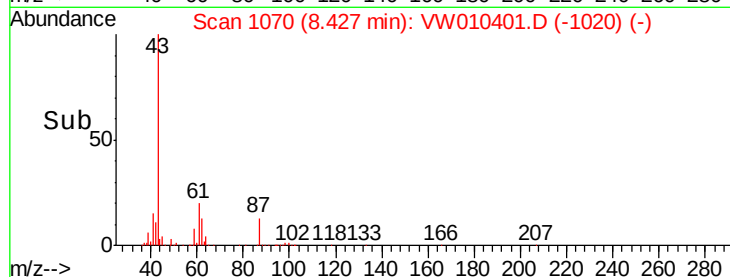
87 12.8 9.3 13.9



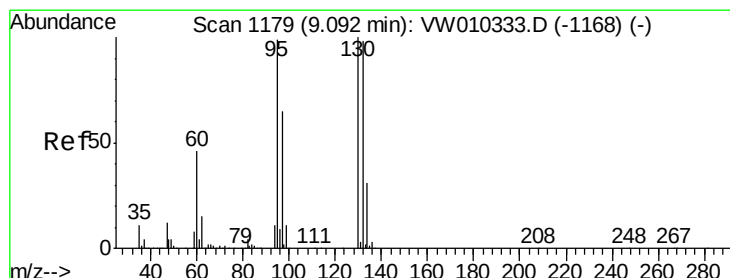
Abundance Ion 43.00 (42.70 to 43.70): VW
 250000 Ion 61.00 (60.70 to 61.70): VW
 Ion 87.00 (86.70 to 87.70): VW

8.43

Time-->



Time-->



#44

Trichloroethene

Concen: 19.866 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010401.D

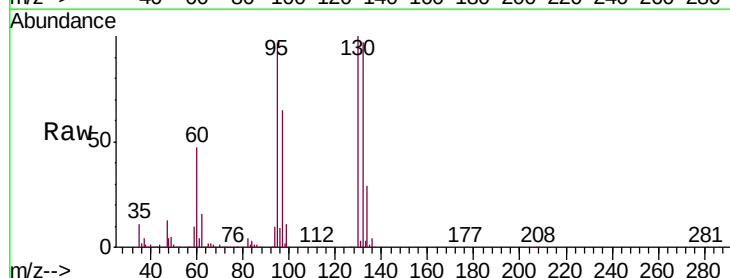
Acq: 12 May 2019 11:43

Tgt Ion: 130 Resp: 332941

Ion Ratio Lower Upper

130 100

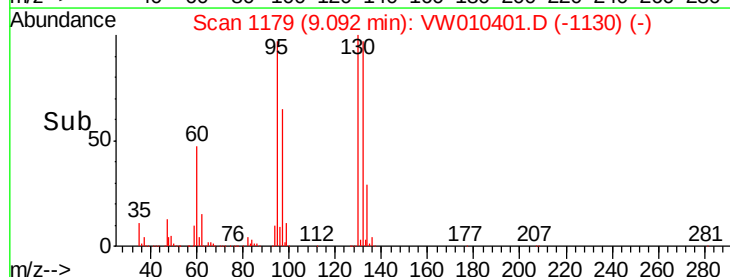
95 97.4 0.0 205.4



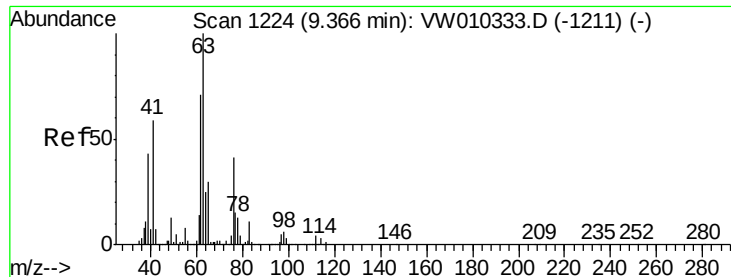
Abundance Ion 129.80 (129.50 to 130.50): V
 200000 Ion 94.90 (94.60 to 95.60): VW

9.09

Time-->



Time-->



#45

1,2-Dichloropropane

Concen: 20.958 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

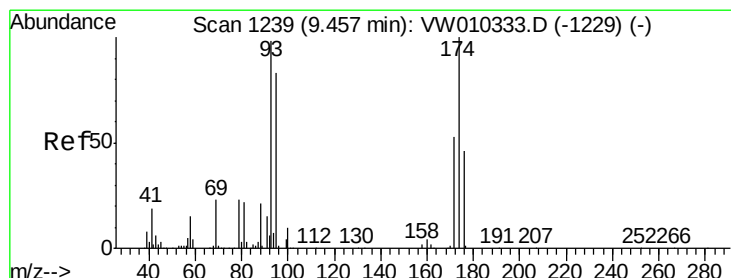
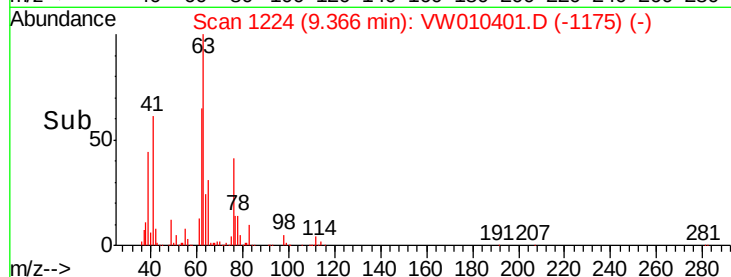
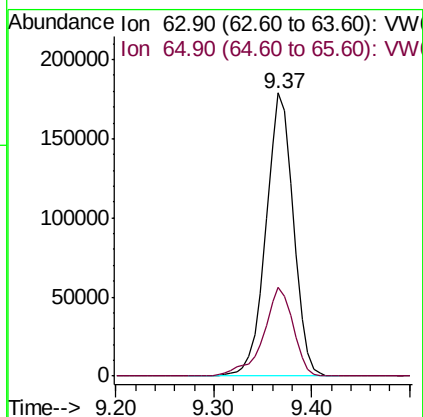
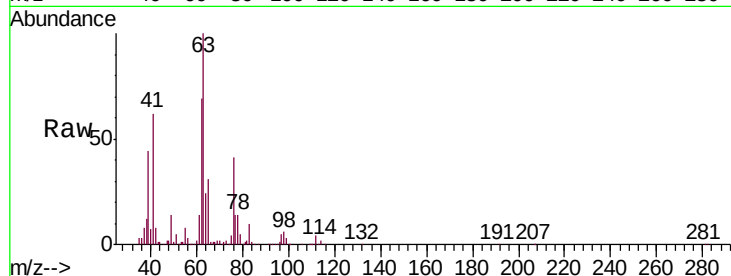
VW0512SBSD01

Tgt Ion: 63 Resp: 348738

Ion Ratio Lower Upper

63 100

65 31.4 23.8 35.6



#46

Dibromomethane

Concen: 19.663 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

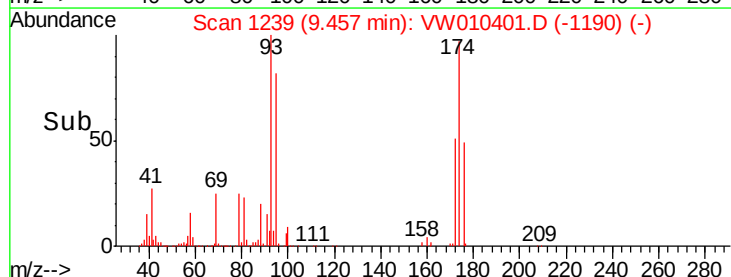
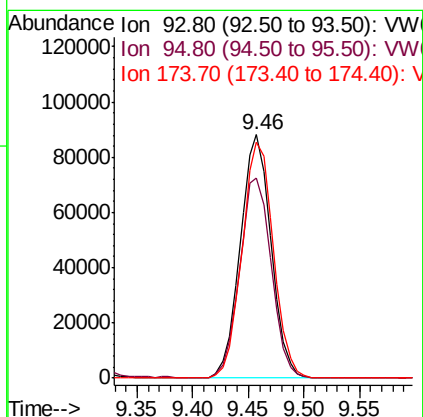
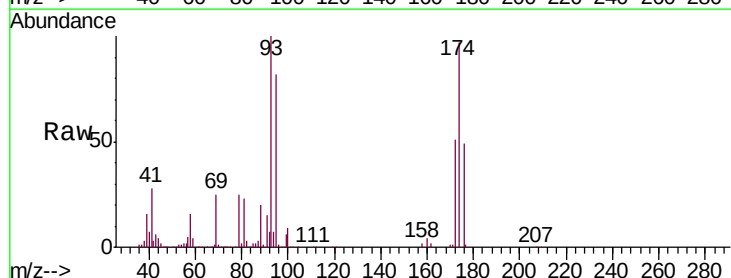
Tgt Ion: 93 Resp: 169035

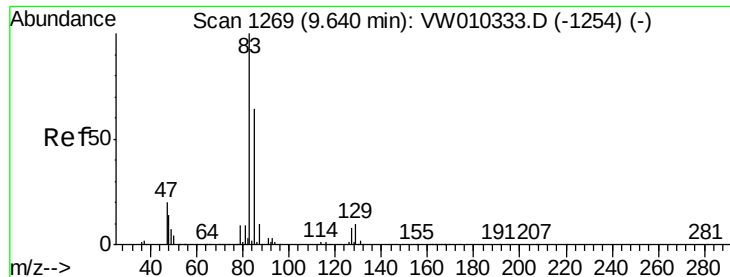
Ion Ratio Lower Upper

93 100

95 84.9 65.8 98.8

174 98.8 75.5 113.3





#47

Bromodichloromethane

Concen: 20.721 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

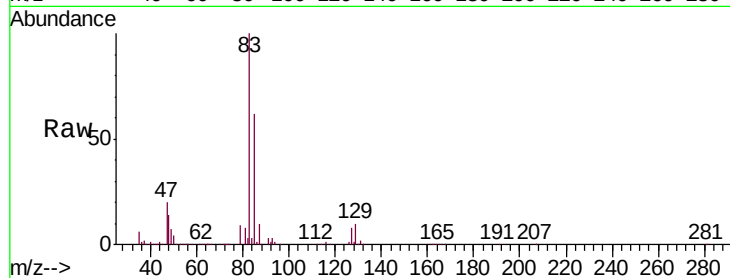
Tgt Ion: 83 Resp: 427279

Ion Ratio Lower Upper

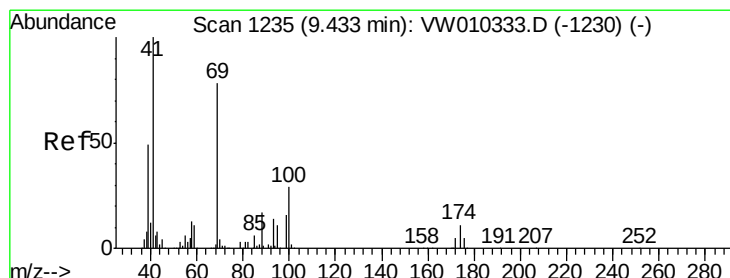
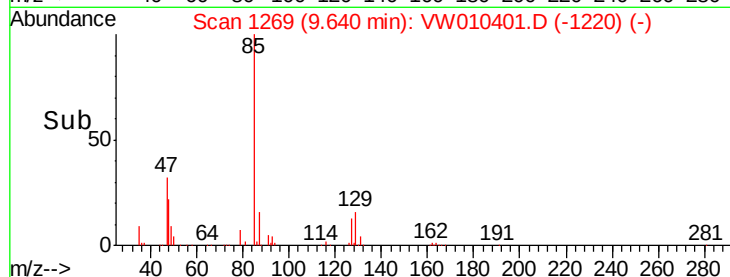
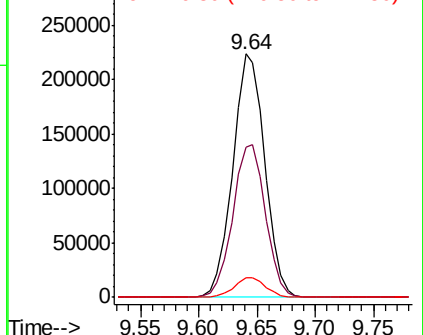
83 100

85 61.8 50.6 75.8

127 8.0 6.6 10.0



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



#48

Methyl methacrylate

Concen: 18.268 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

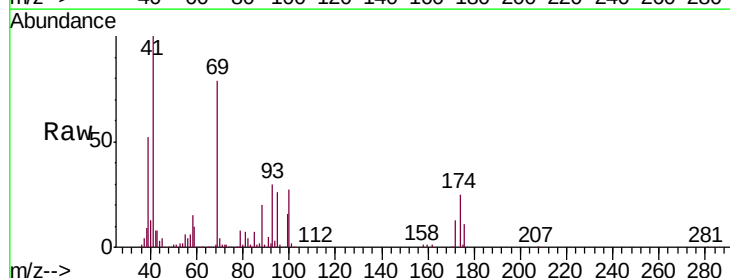
Tgt Ion: 41 Resp: 186441

Ion Ratio Lower Upper

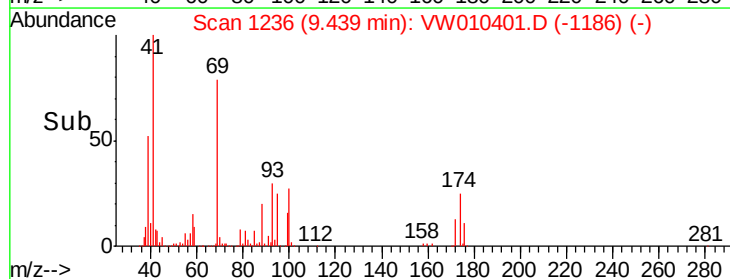
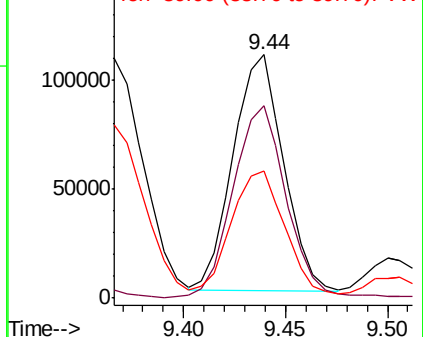
41 100

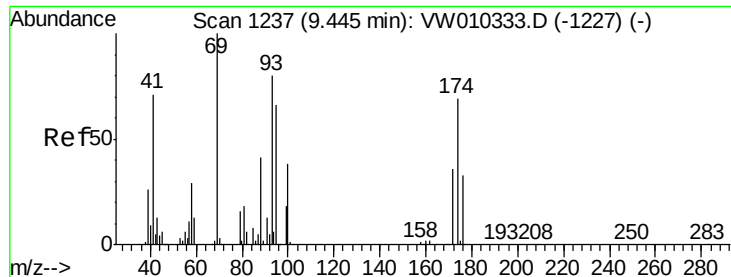
69 85.9 60.1 90.1

39 53.8 51.0 76.6



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 363.238 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

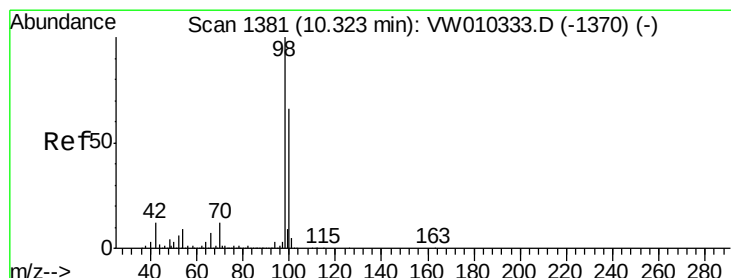
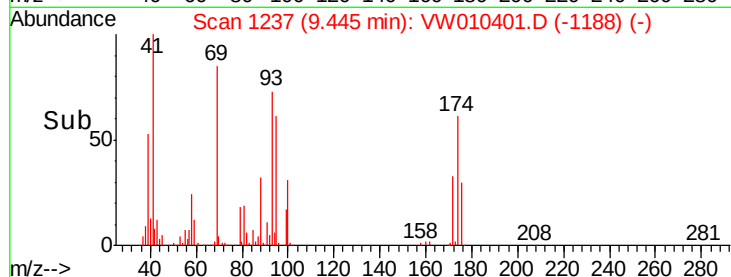
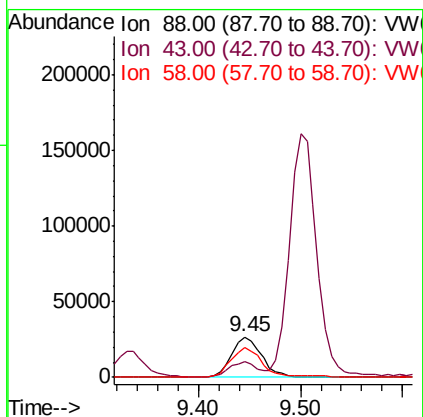
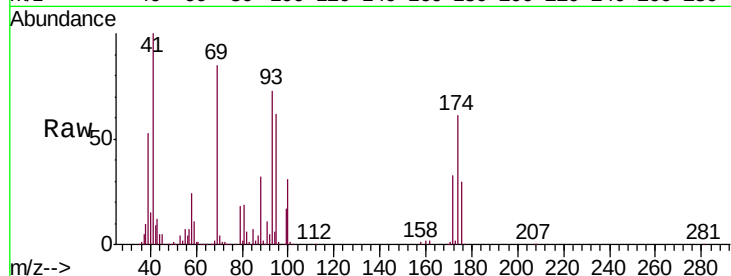
Tgt Ion: 88 Resp: 54455

Ion Ratio Lower Upper

88 100

43 34.0 31.9 47.9

58 74.8 61.8 92.6



#50

Toluene-d8

Concen: 41.844 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010401.D

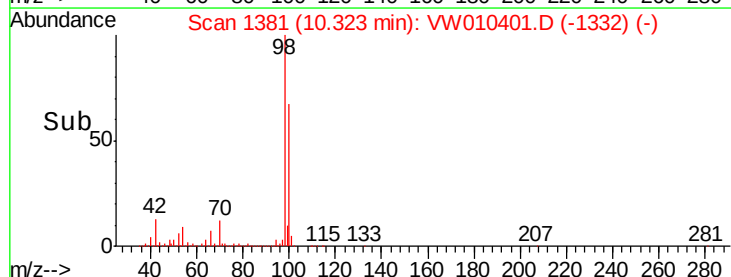
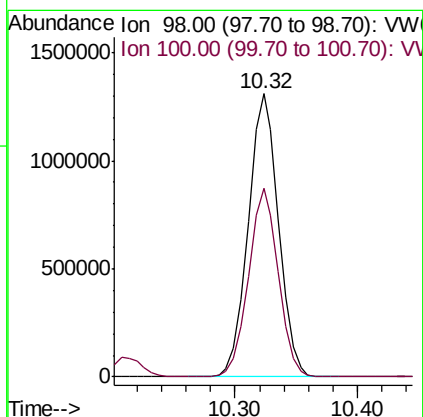
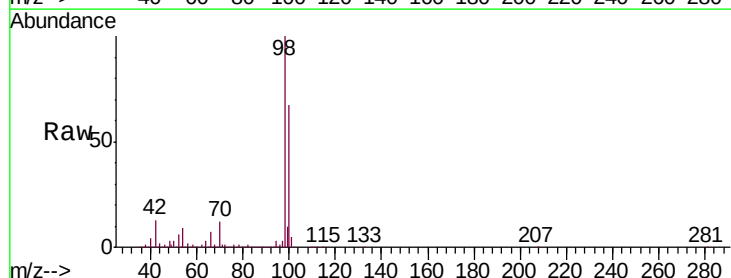
Acq: 12 May 2019 11:43

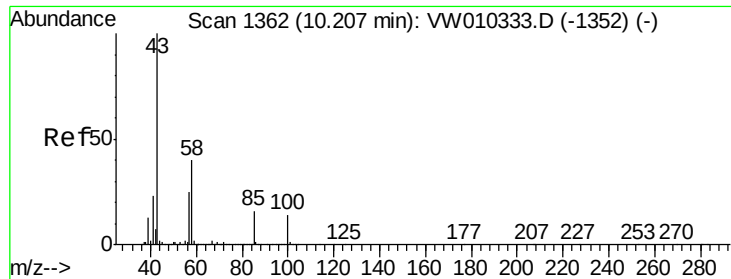
Tgt Ion: 98 Resp: 2247871

Ion Ratio Lower Upper

98 100

100 65.7 52.3 78.5

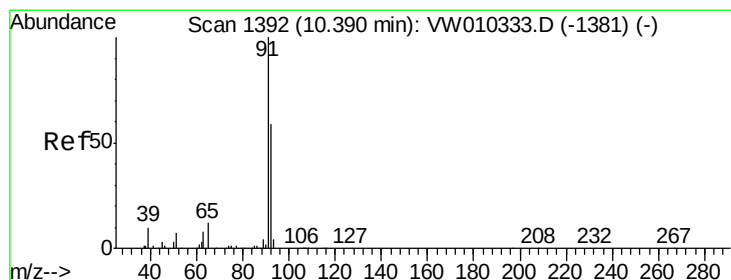
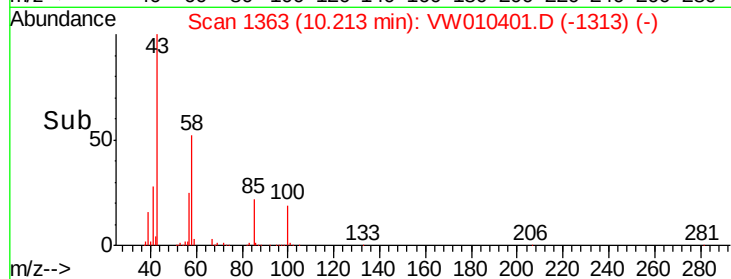
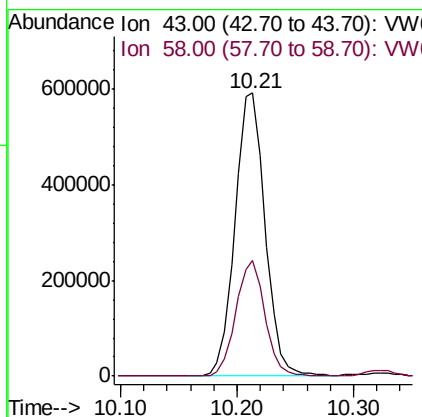
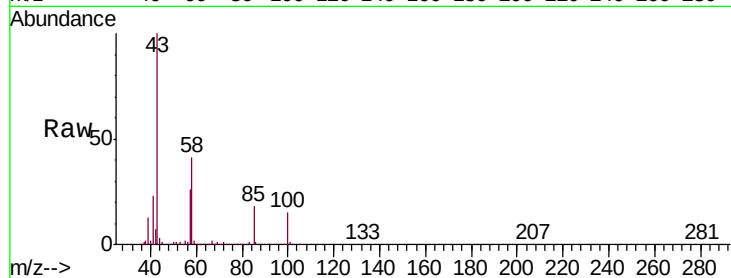




#51
4-Methyl-2-Pentanone
Concen: 86.012 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

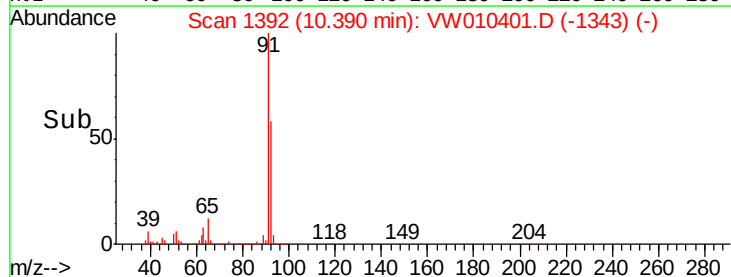
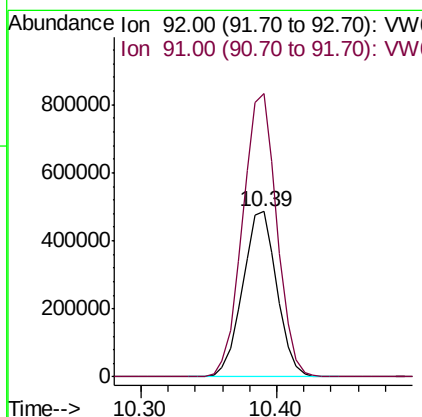
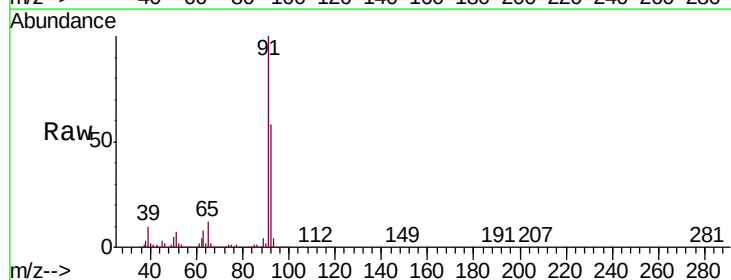
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

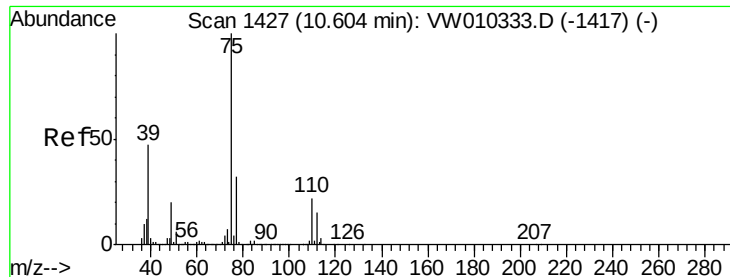
Tgt Ion: 43 Resp: 1064558
Ion Ratio Lower Upper
43 100
58 39.7 28.9 43.3



#52
Toluene
Concen: 20.884 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

Tgt Ion: 92 Resp: 854508
Ion Ratio Lower Upper
92 100
91 171.3 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 20.376 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

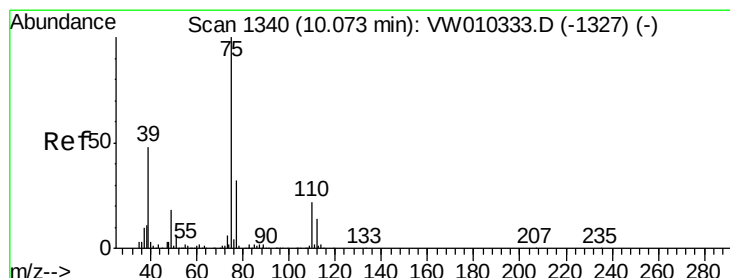
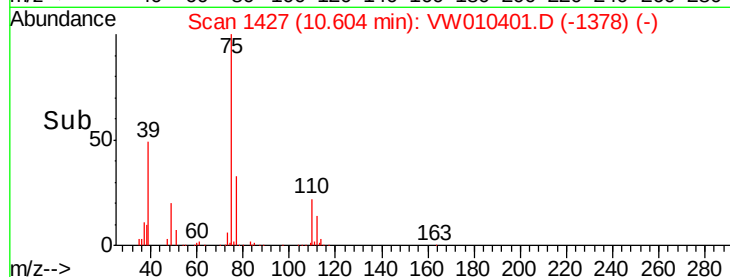
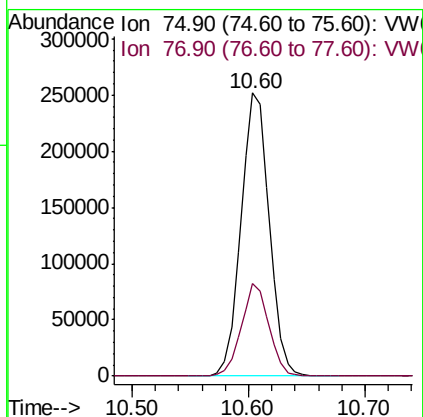
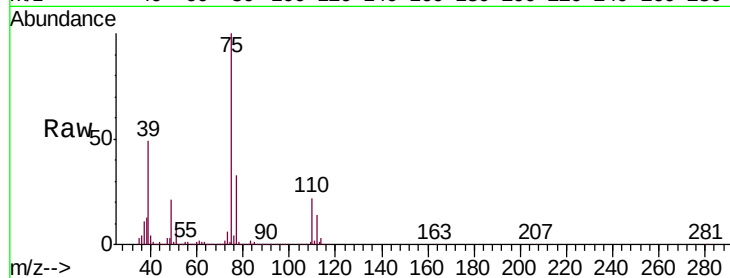
VW0512SBSD01

Tgt Ion: 75 Resp: 425607

Ion Ratio Lower Upper

75 100

77 32.6 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 20.942 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

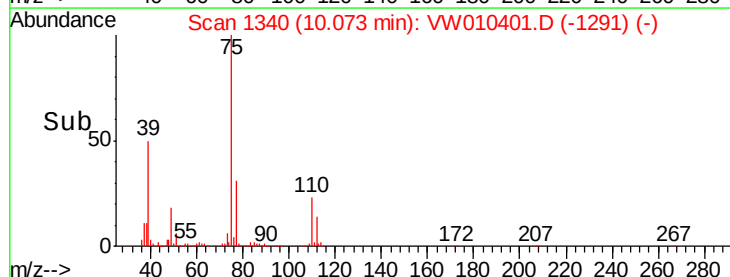
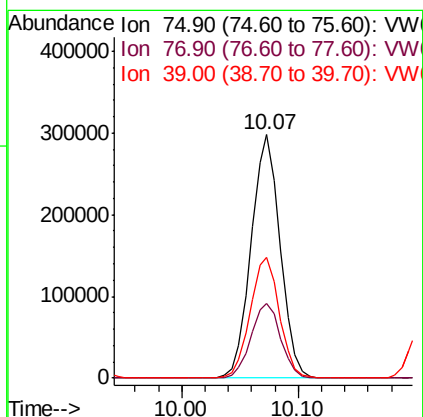
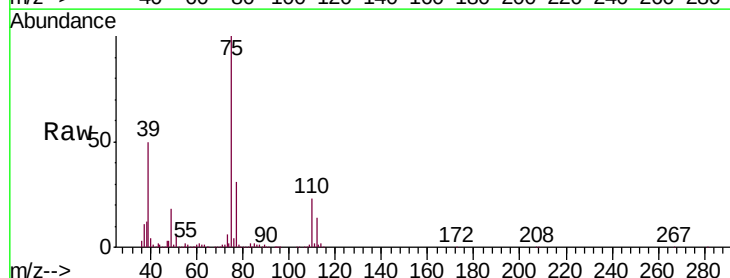
Tgt Ion: 75 Resp: 518048

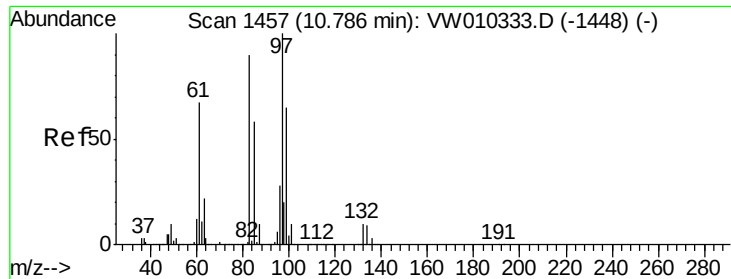
Ion Ratio Lower Upper

75 100

77 30.7 25.6 38.4

39 49.6 47.8 71.6

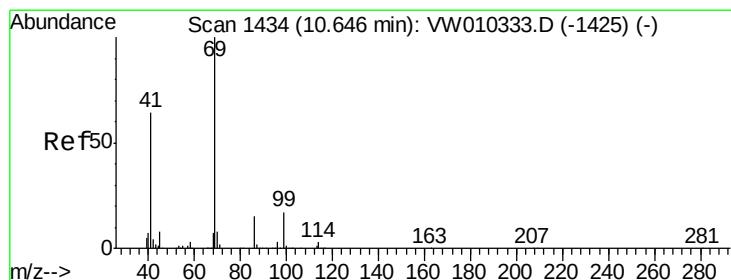
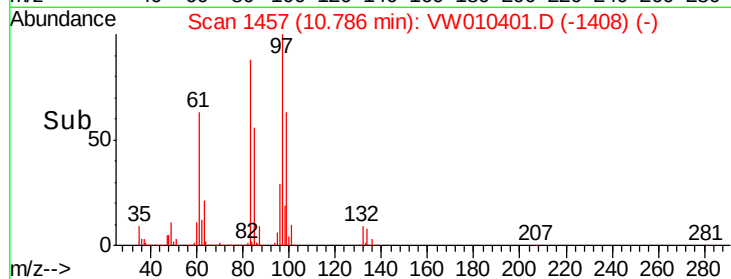
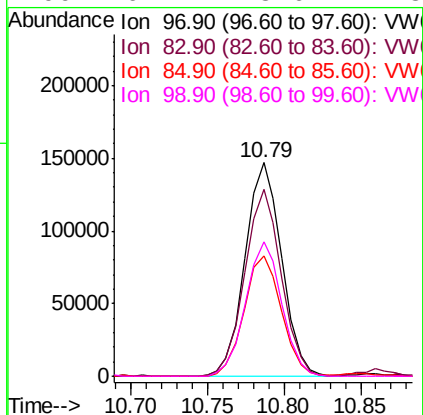
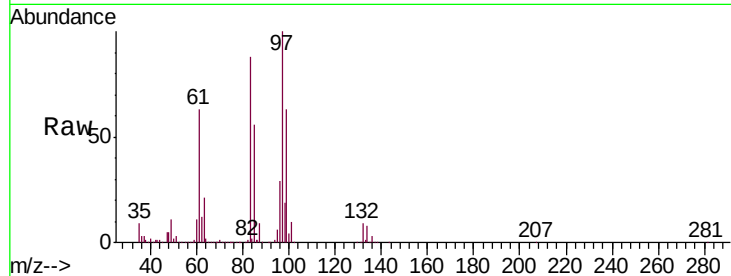




#55
 1,1,2-Trichloroethane
 Concen: 20.028 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

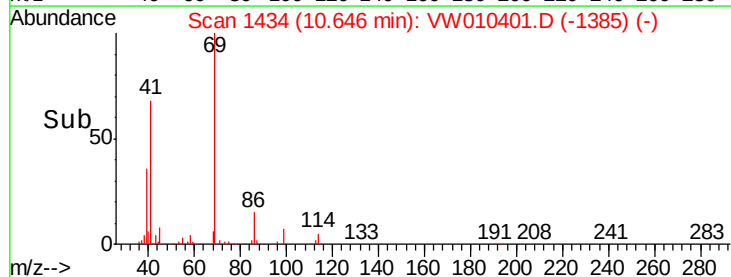
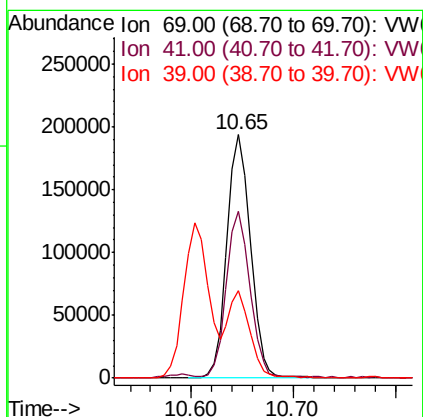
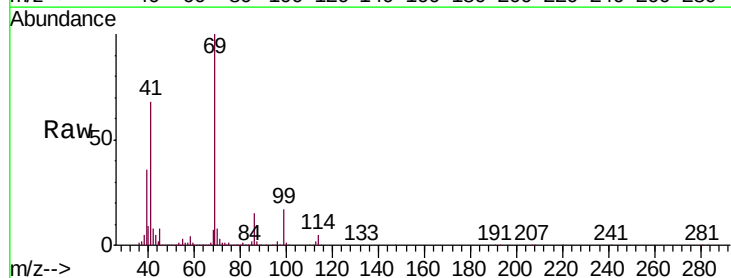
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

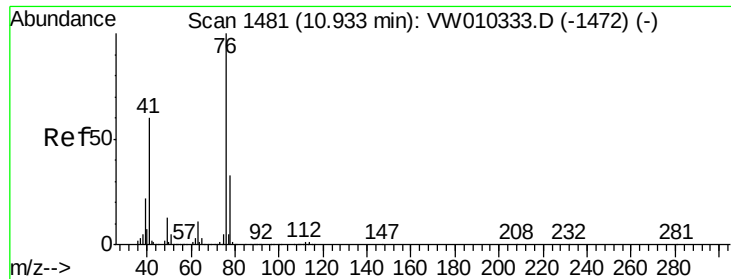
Tgt Ion:	97	Resp:	244540
Ion	Ratio	Lower	Upper
97	100		
83	87.7	68.9	103.3
85	56.4	42.9	64.3
99	62.7	48.6	72.8



#56
 Ethyl methacrylate
 Concen: 19.263 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

Tgt Ion:	69	Resp:	310589
Ion	Ratio	Lower	Upper
69	100		
41	68.7	61.0	91.6
39	33.4	33.8	50.6#

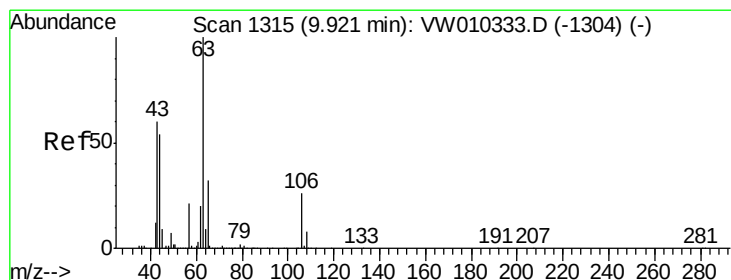
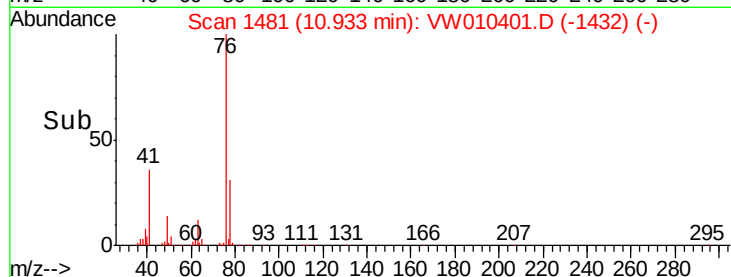
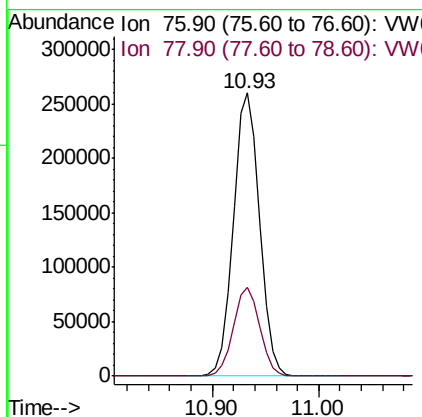
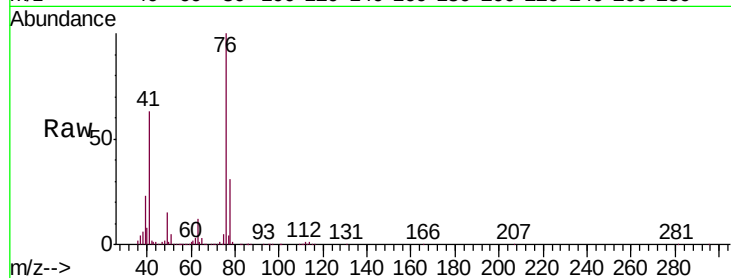




#57
 1,3-Dichloropropane
 Concen: 20.544 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

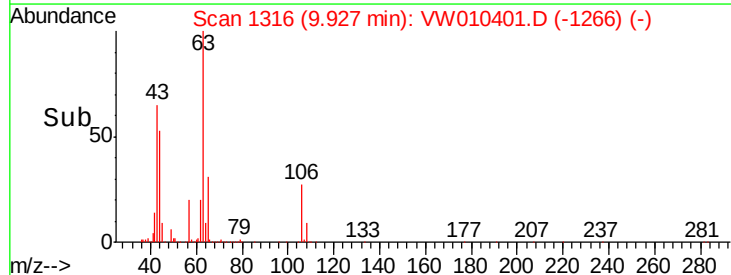
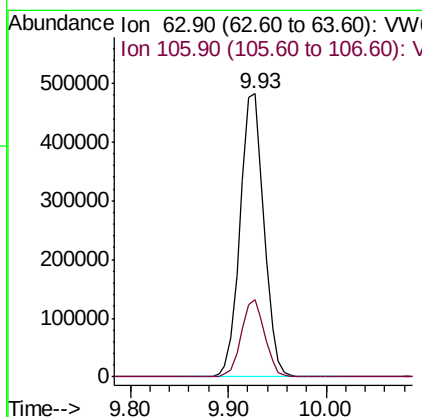
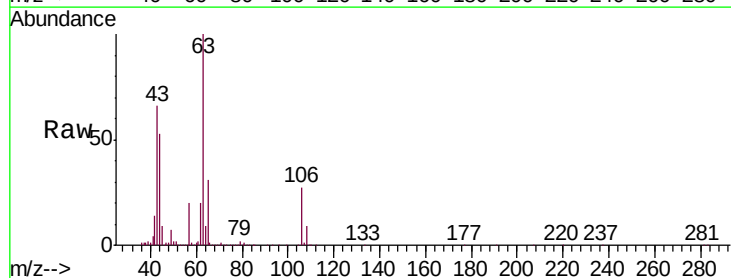
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

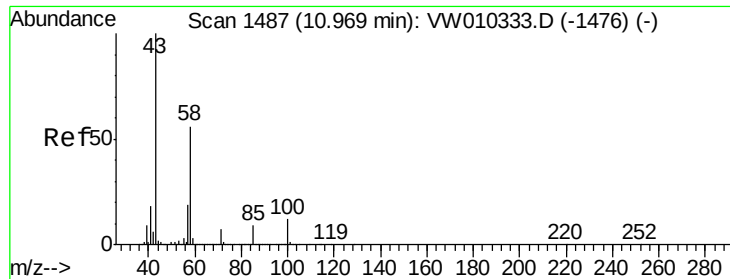
Tgt Ion: 76 Resp: 448432
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.928 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

Tgt Ion: 63 Resp: 817735
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.4 32.0

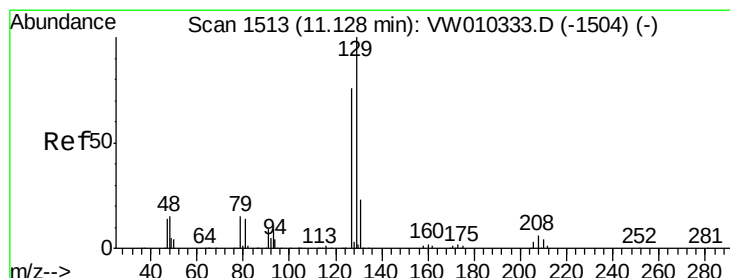
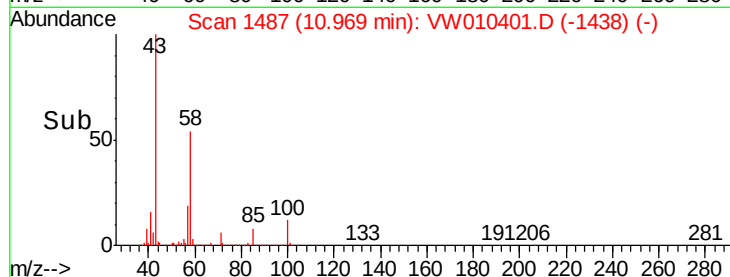
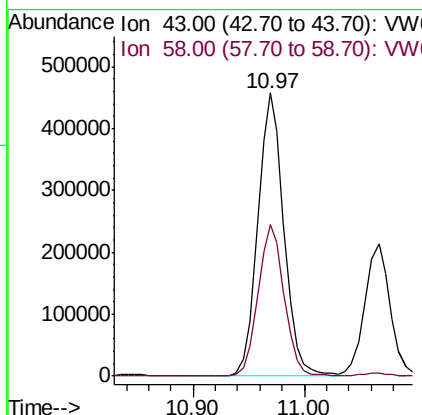
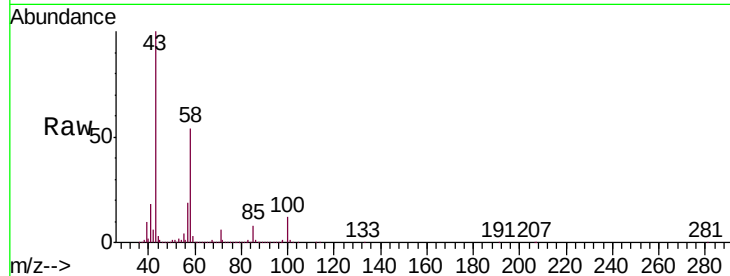




#59
2-Hexanone
Concen: 85.018 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

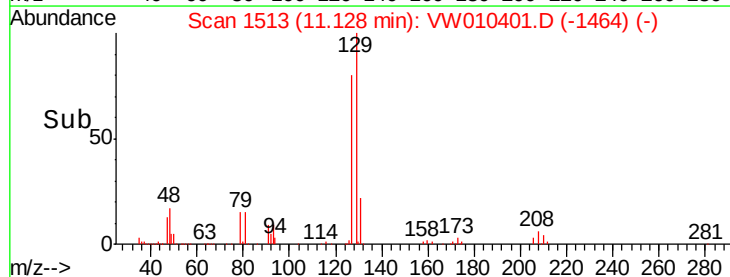
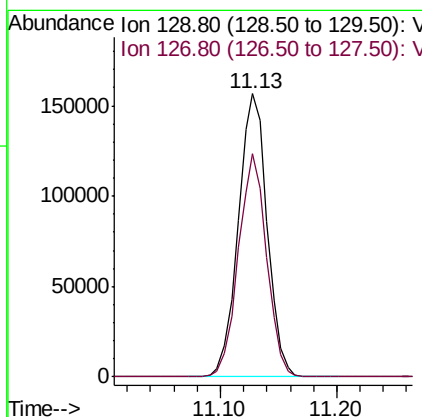
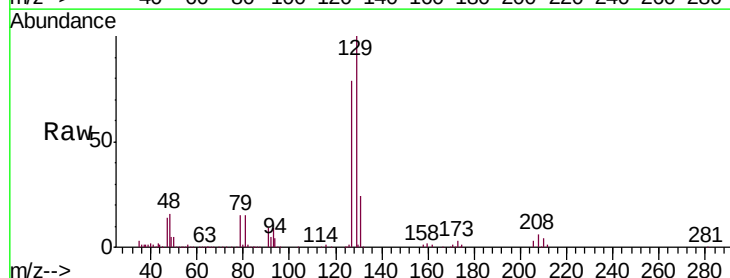
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

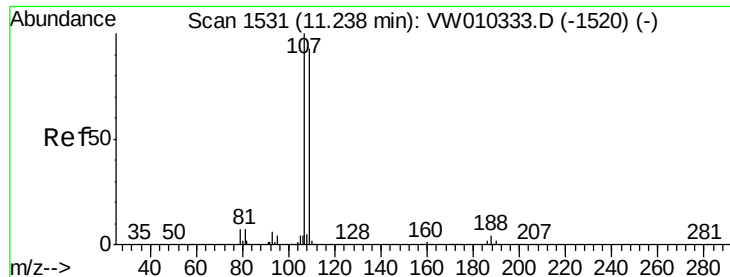
Tgt Ion: 43 Resp: 743984
Ion Ratio Lower Upper
43 100
58 53.8 24.9 74.7



#60
Dibromochloromethane
Concen: 20.579 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

Tgt Ion: 129 Resp: 270382
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0

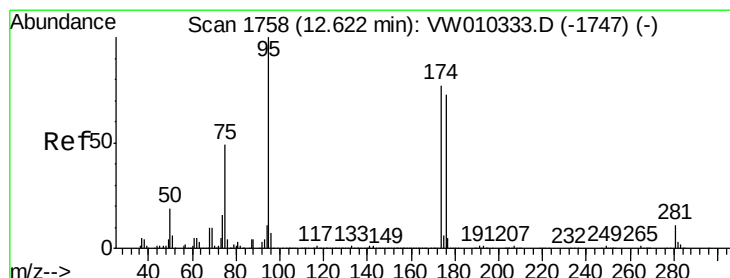
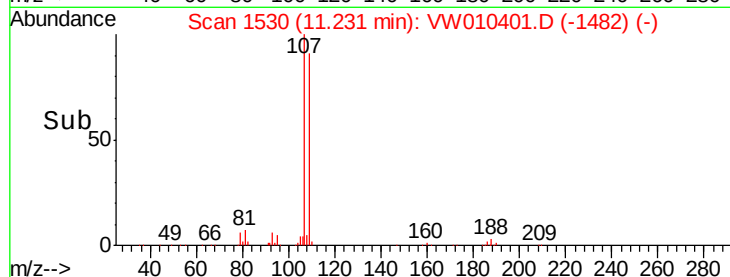
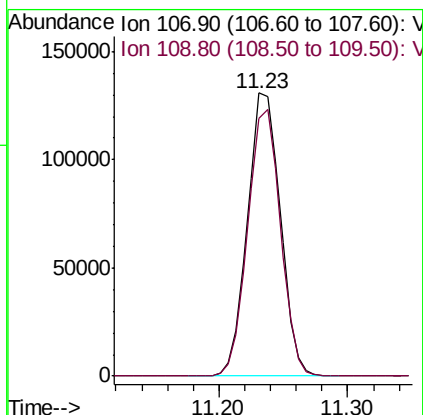
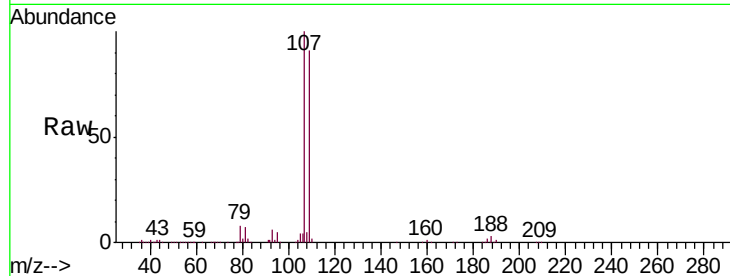




#61
 1,2-Dibromoethane
 Concen: 19.703 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

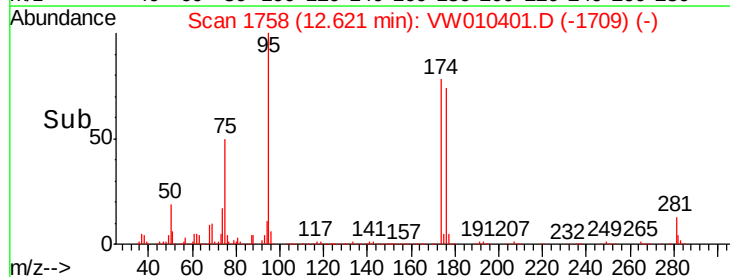
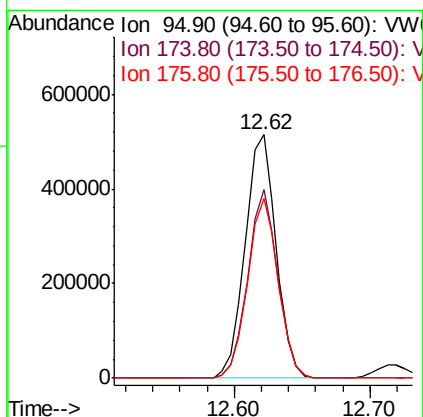
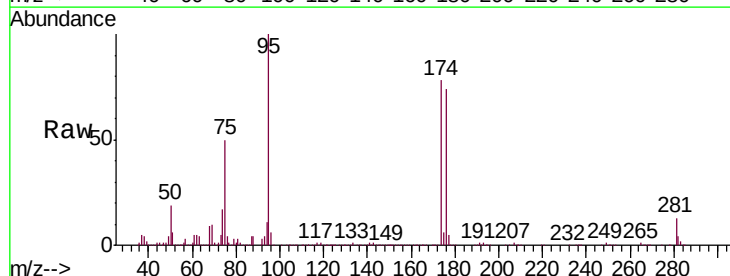
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

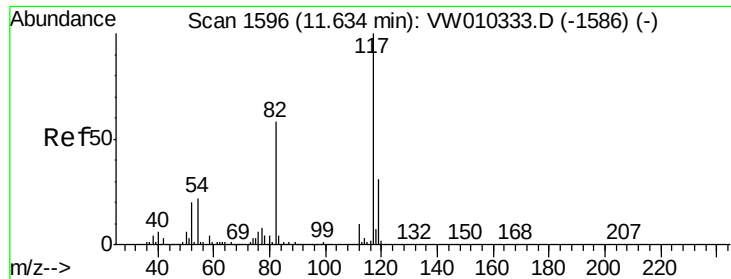
Tgt Ion: 107 Resp: 230936
 Ion Ratio Lower Upper
 107 100
 109 93.8 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 43.329 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

Tgt Ion: 95 Resp: 819362
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 151.4
 176 72.9 0.0 146.2

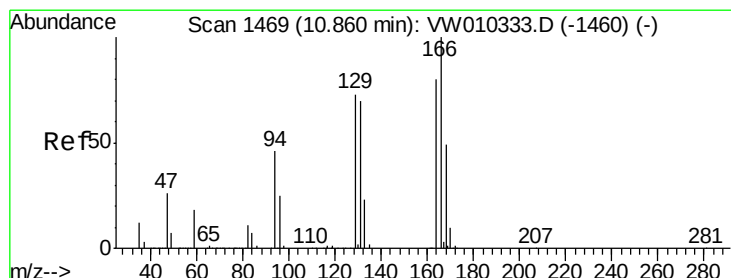
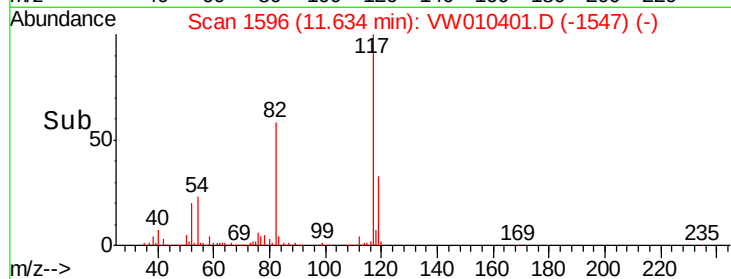
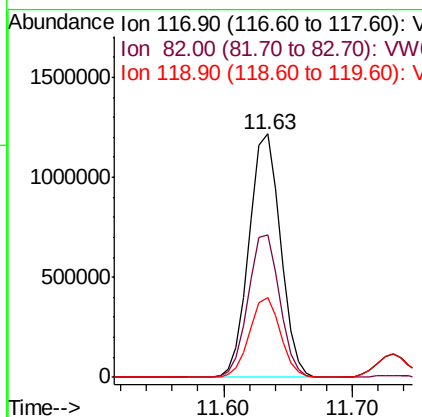
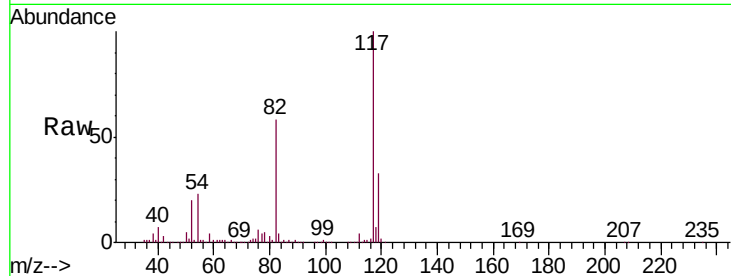




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

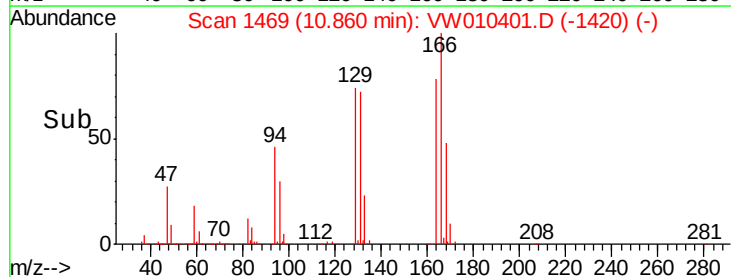
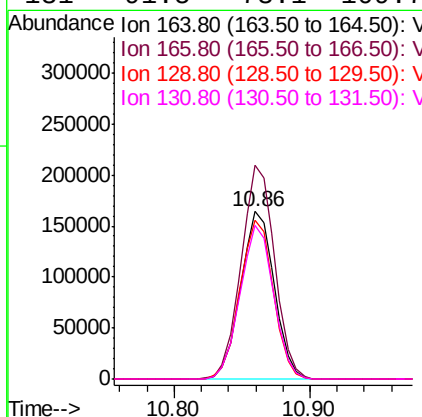
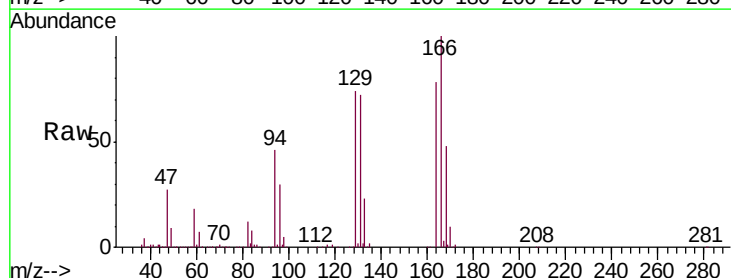
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

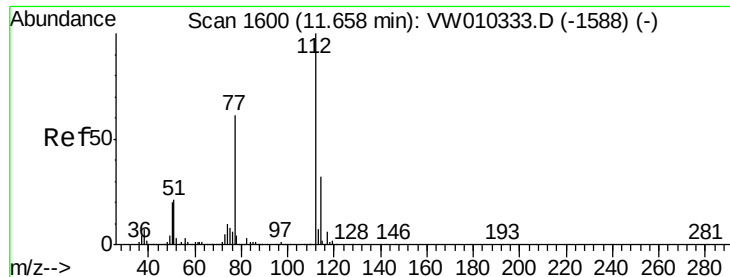
Tgt Ion:117 Resp: 2046451
Ion Ratio Lower Upper
117 100
82 58.5 45.2 67.8
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 19.833 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

Tgt Ion:164 Resp: 283673
Ion Ratio Lower Upper
164 100
166 127.5 101.2 151.8
129 94.4 77.8 116.6
131 91.5 73.1 109.7

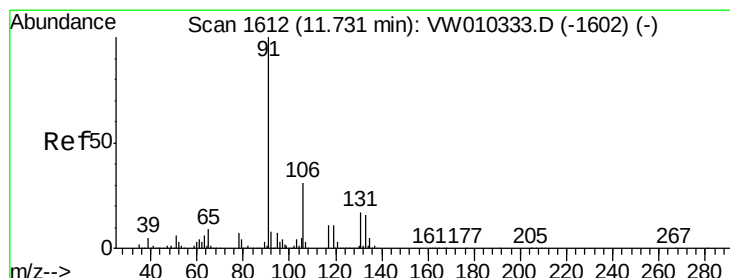
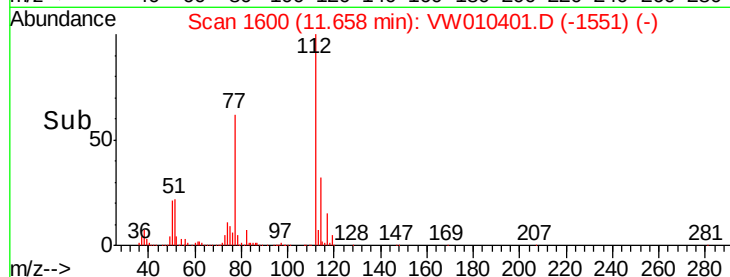
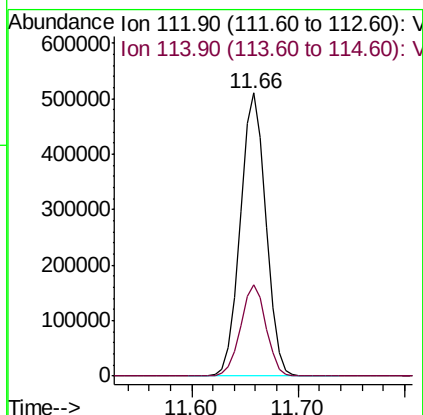
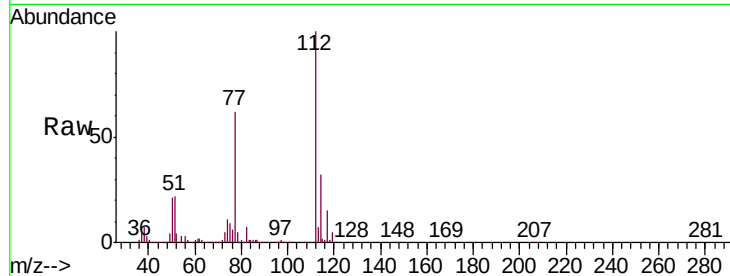




#65
Chlorobenzene
Concen: 20.320 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

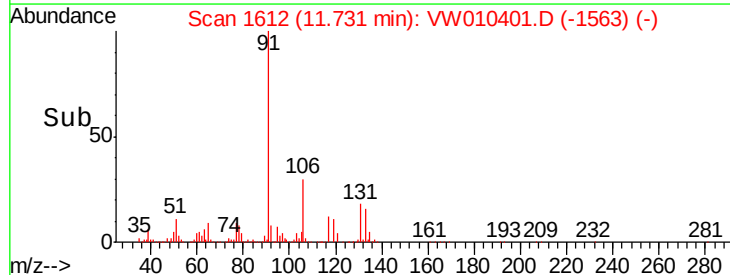
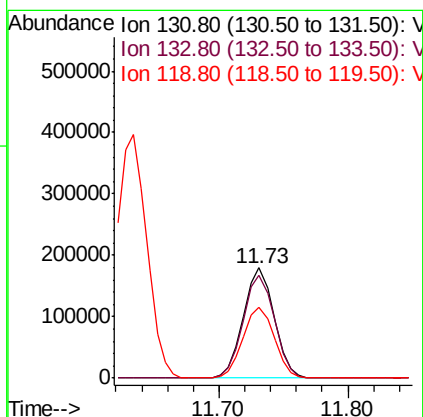
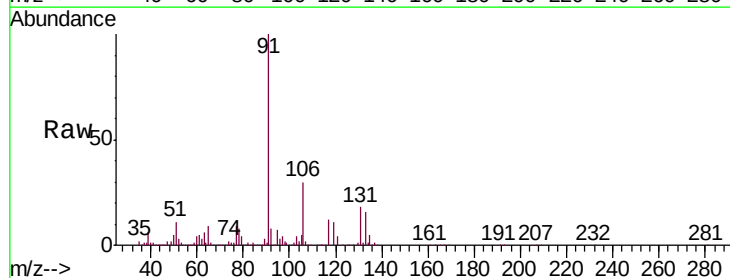
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

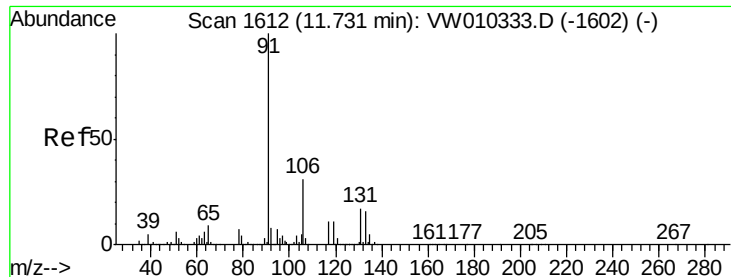
Tgt Ion:112 Resp: 860821
Ion Ratio Lower Upper
112 100
114 32.4 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.754 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

Tgt Ion:131 Resp: 297161
Ion Ratio Lower Upper
131 100
133 94.5 46.5 139.5
119 65.7 31.9 95.5

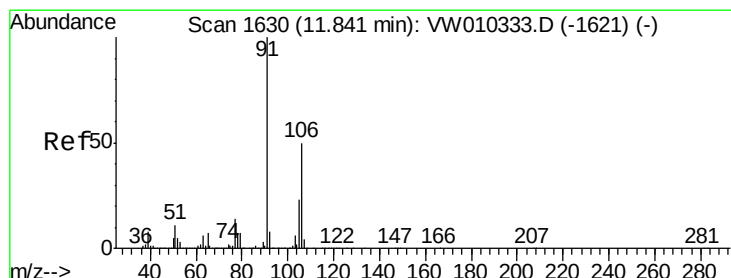
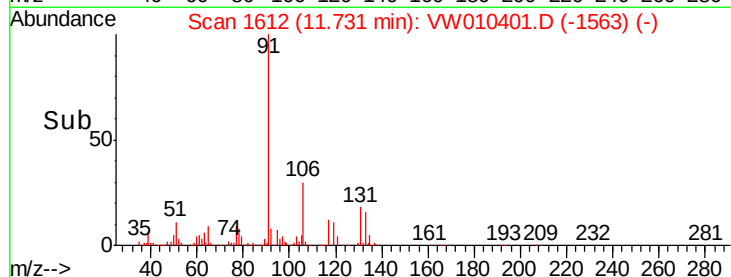
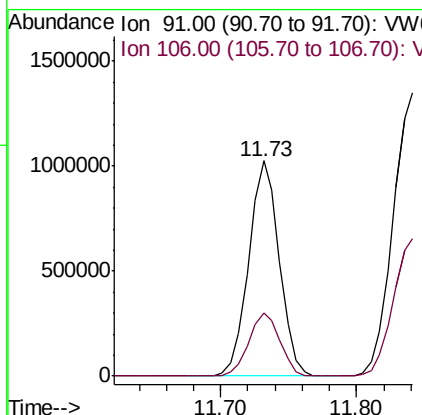
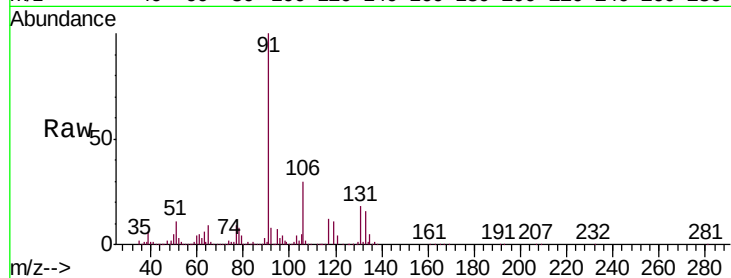




#67
Ethyl Benzene
Concen: 20.691 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

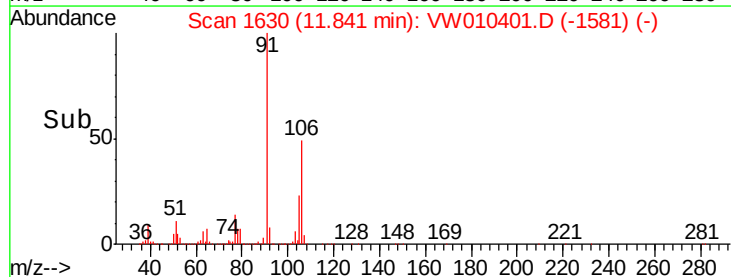
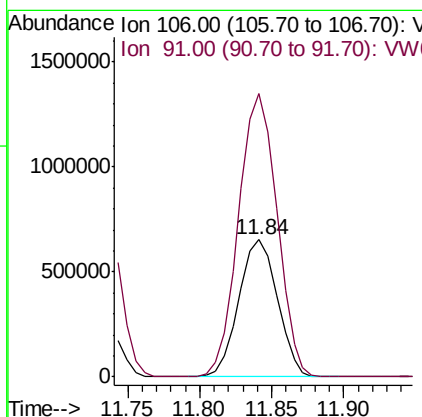
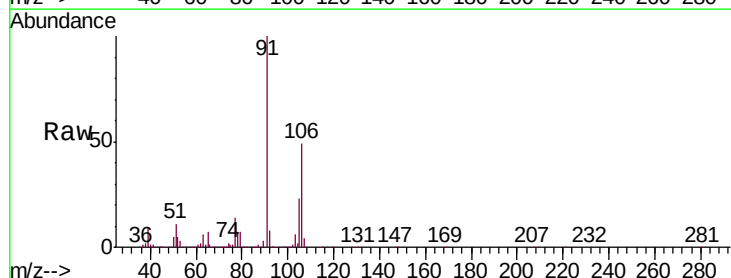
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

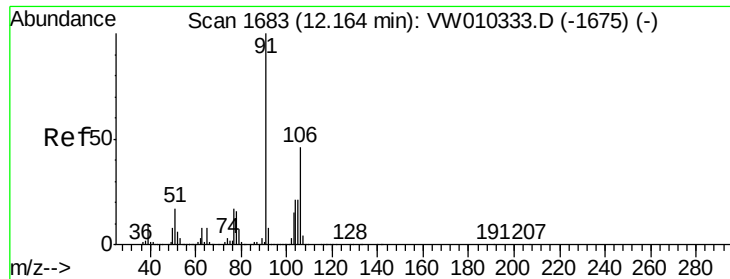
Tgt Ion: 91 Resp: 1612466
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.8



#68
m/p-Xylenes
Concen: 42.035 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

Tgt Ion: 106 Resp: 1217104
Ion Ratio Lower Upper
106 100
91 206.6 165.0 247.6

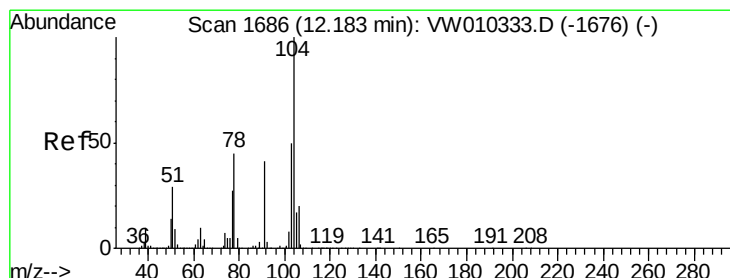
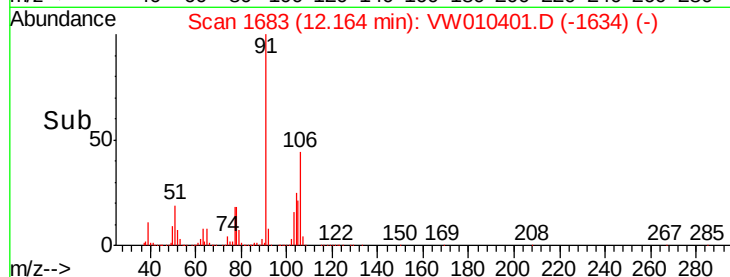
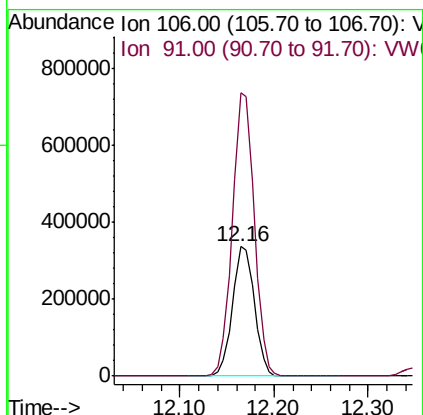
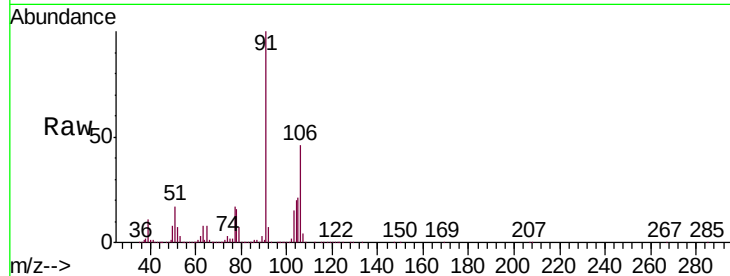




#69
o-Xylene
Concen: 20.870 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

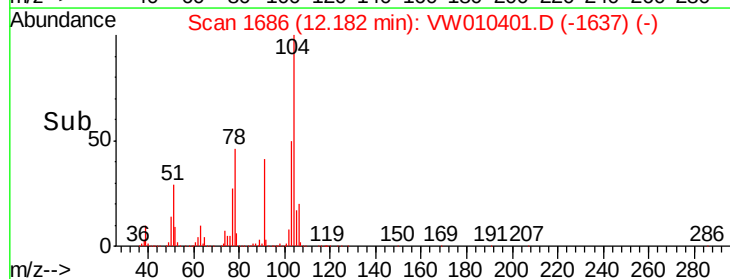
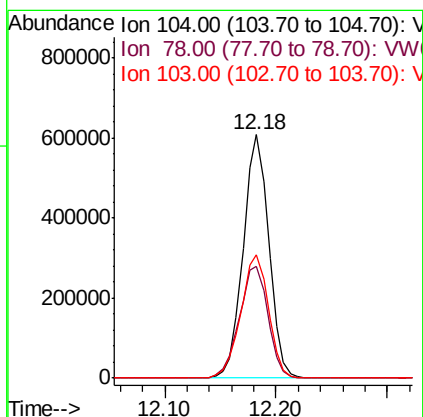
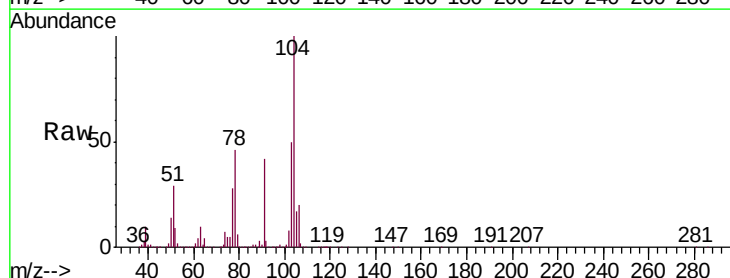
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

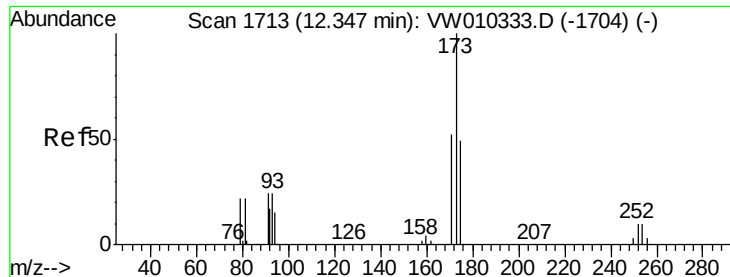
Tgt Ion:106 Resp: 546640
Ion Ratio Lower Upper
106 100
91 218.3 110.5 331.4



#70
Styrene
Concen: 21.290 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

Tgt Ion:104 Resp: 971641
Ion Ratio Lower Upper
104 100
78 51.6 42.5 63.7
103 54.9 43.6 65.4





#71

Bromoform

Concen: 18.419 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

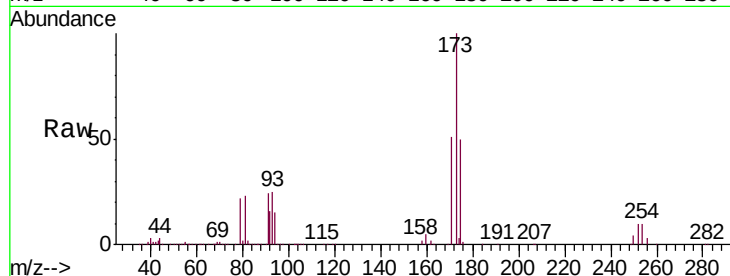
Tgt Ion:173 Resp: 150754

Ion Ratio Lower Upper

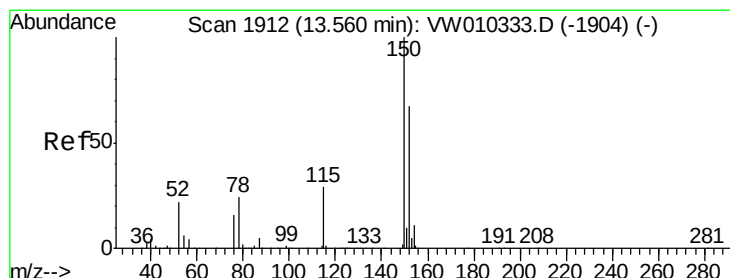
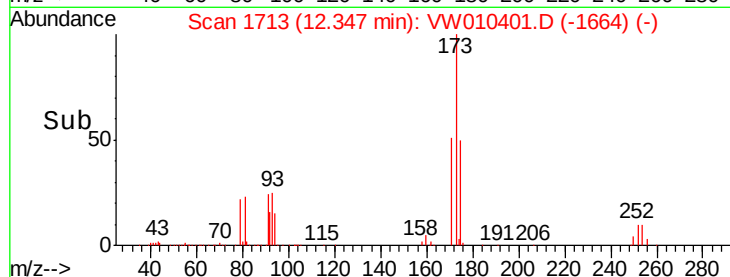
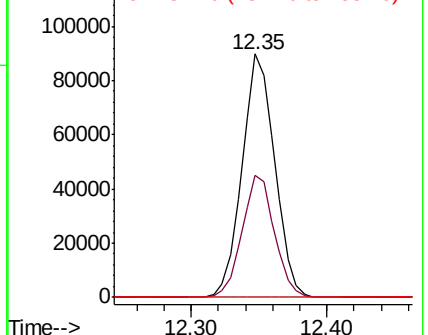
173 100

175 49.4 23.8 71.4

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

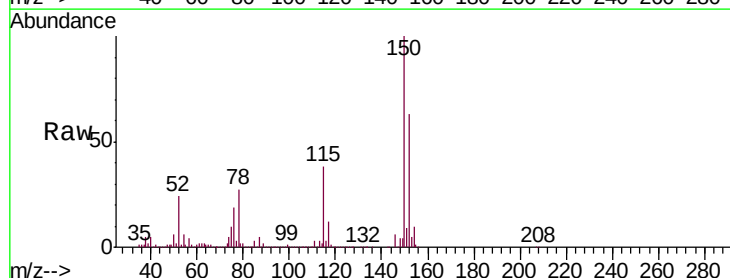
Tgt Ion:152 Resp: 1039811

Ion Ratio Lower Upper

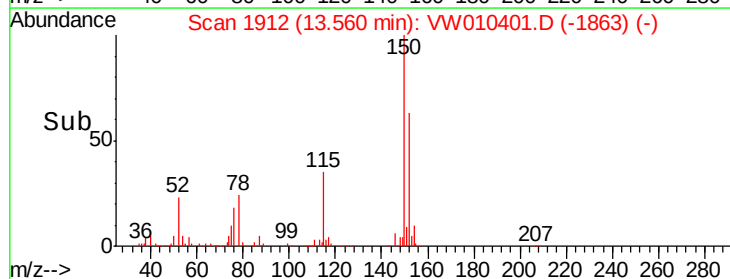
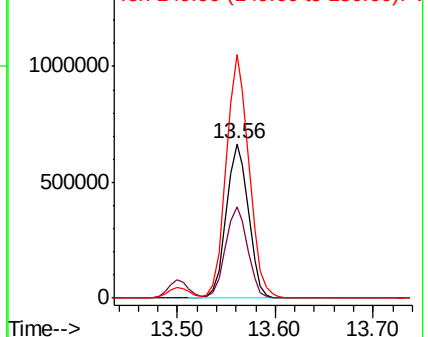
152 100

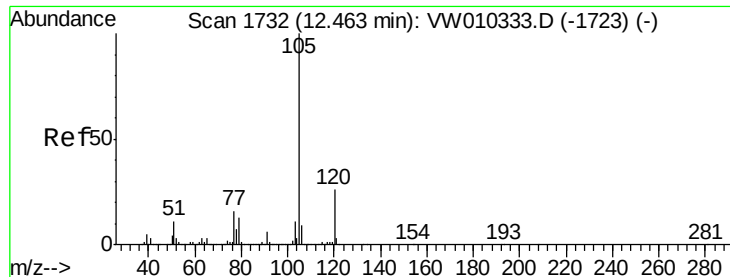
115 59.4 30.4 91.2

150 162.9 0.0 347.0



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: 20.400 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

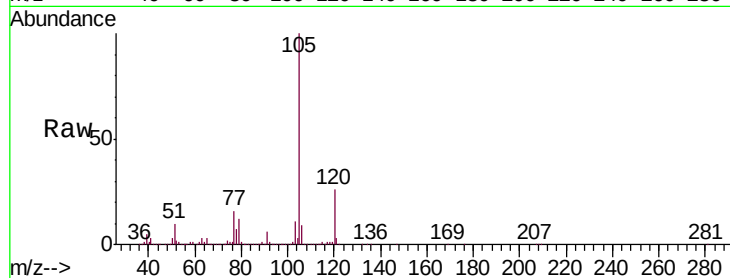
VW0512SBSD01

Tgt Ion: 105 Resp: 1546170

Ion Ratio Lower Upper

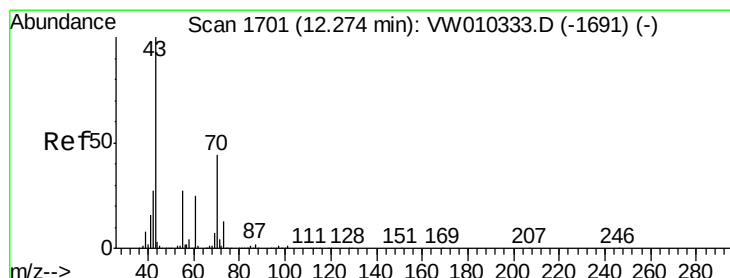
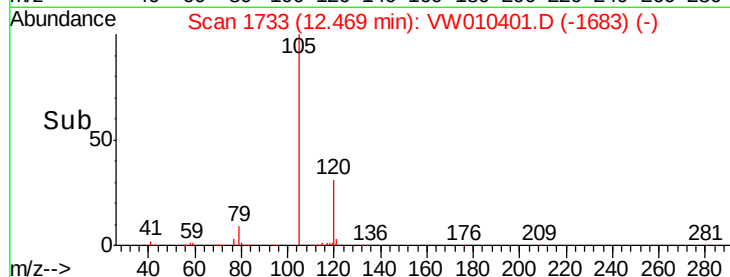
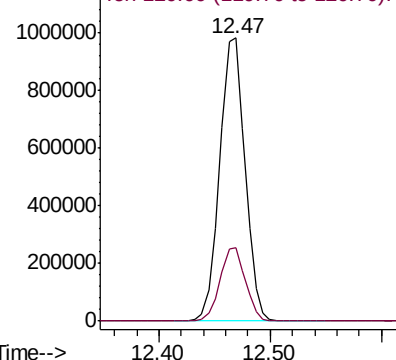
105 100

120 25.8 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.477 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Tgt Ion: 43 Resp: 361789

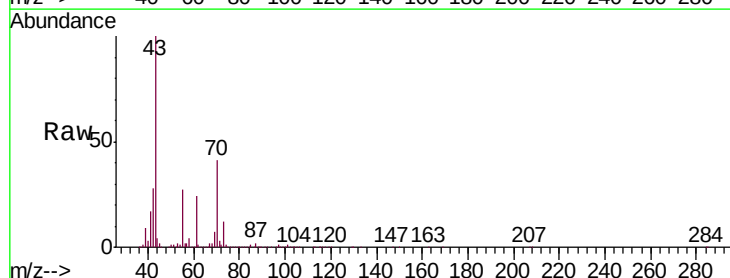
Ion Ratio Lower Upper

43 100

70 42.9 31.3 46.9

55 28.4 20.0 30.0

61 23.7 17.8 26.8

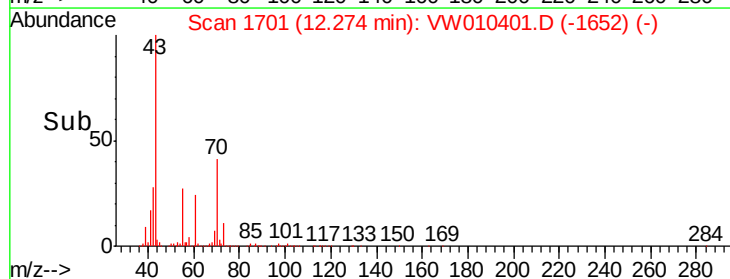
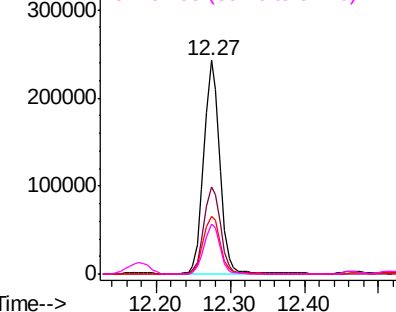


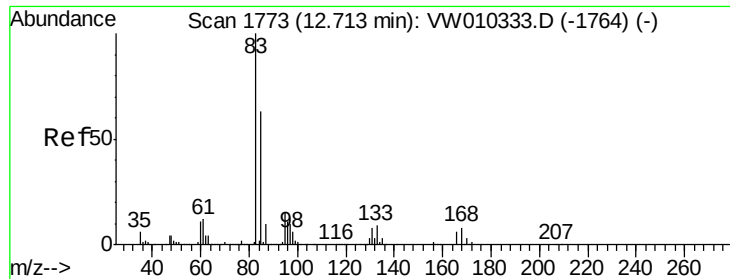
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 17.663 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

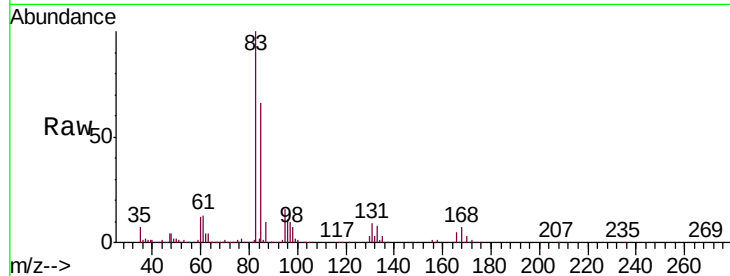
Tgt Ion: 83 Resp: 294960

Ion Ratio Lower Upper

83 100

131 10.1 5.3 15.8

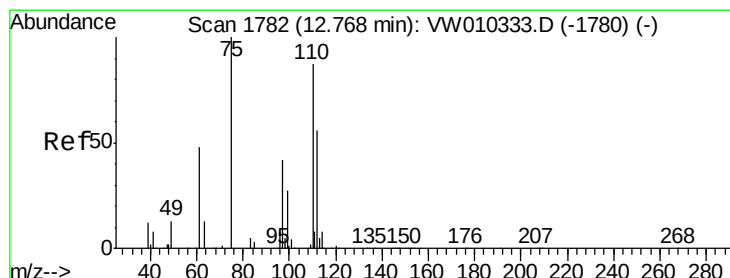
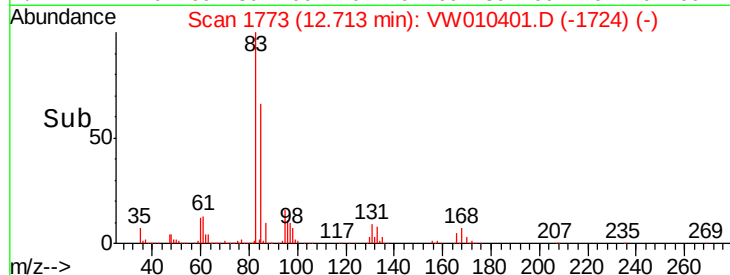
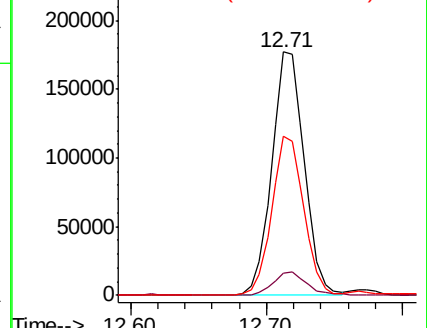
85 64.6 32.0 96.2



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: 31.371 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010401.D

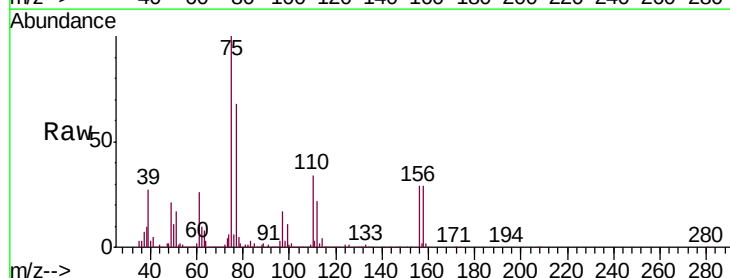
Acq: 12 May 2019 11:43

Tgt Ion: 75 Resp: 380326

Ion Ratio Lower Upper

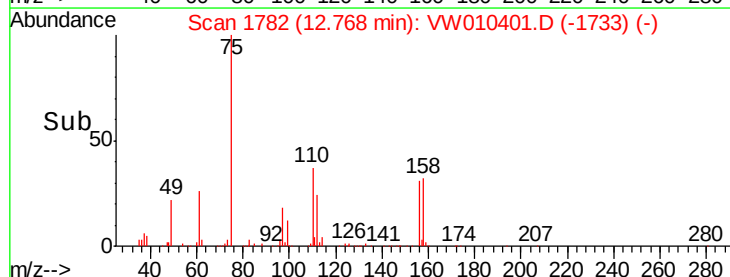
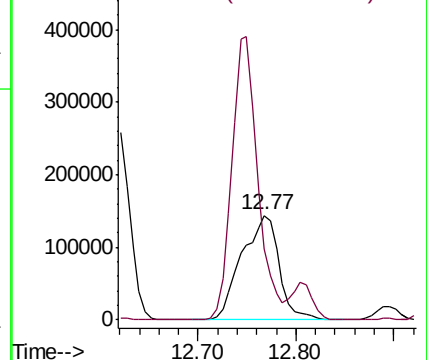
75 100

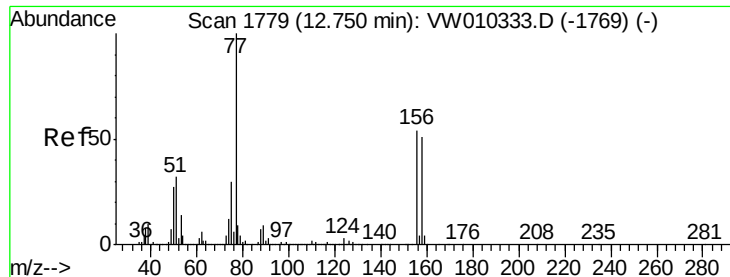
77 188.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.313 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

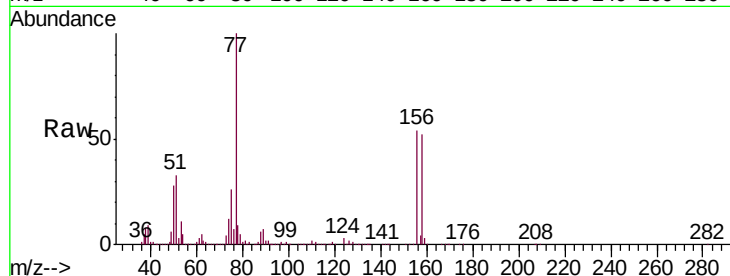
Tgt Ion:156 Resp: 347619

Ion Ratio Lower Upper

156 100

77 205.9 102.5 307.4

158 96.7 48.8 146.4

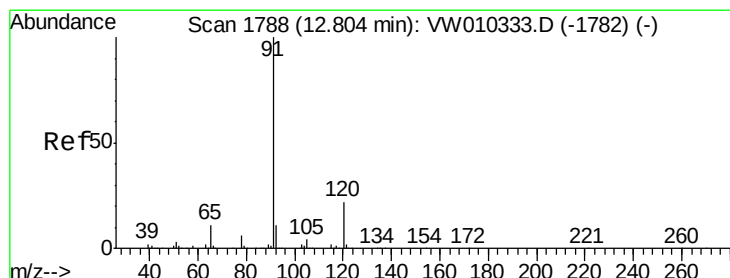
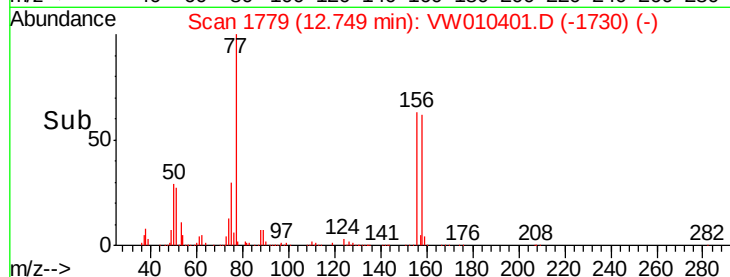
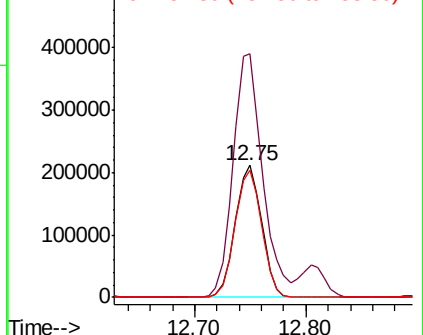


Abundance

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: 20.652 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010401.D

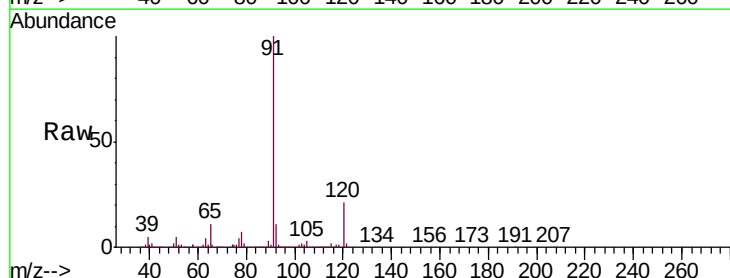
Acq: 12 May 2019 11:43

Tgt Ion: 91 Resp: 1933260

Ion Ratio Lower Upper

91 100

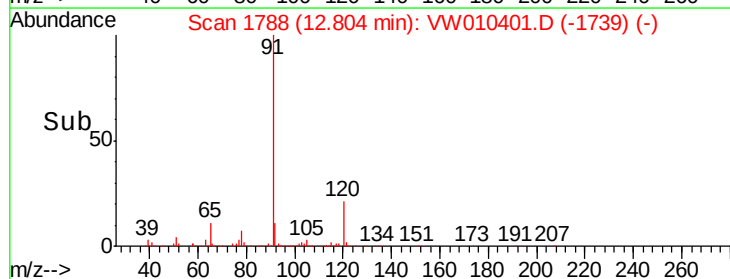
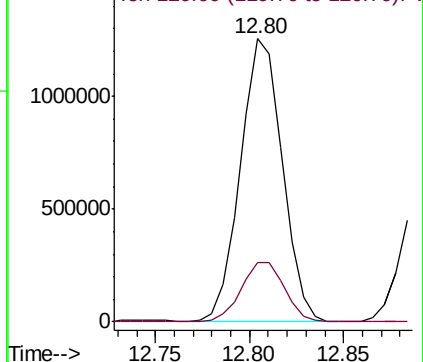
120 21.8 11.1 33.1

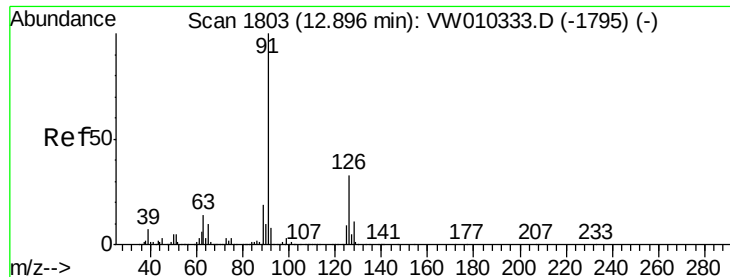


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.504 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

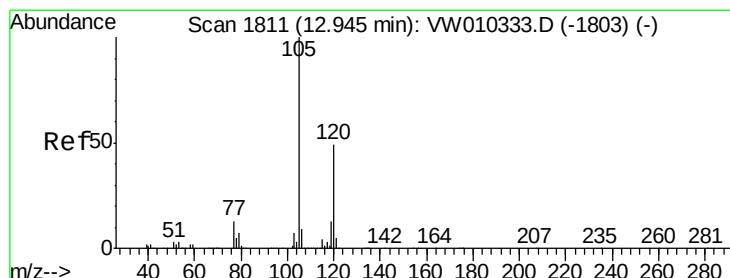
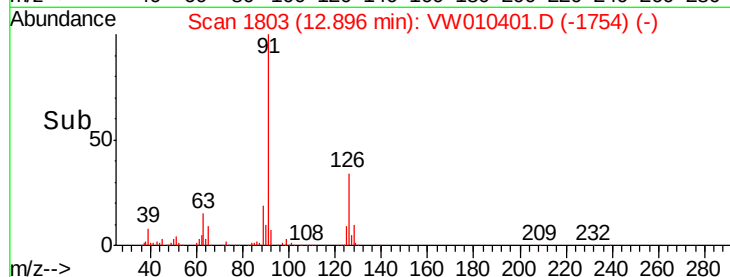
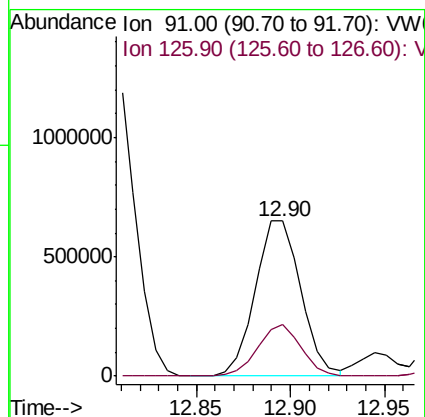
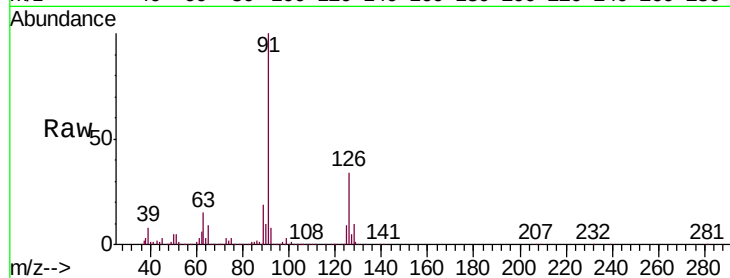
VW0512SBSD01

Tgt Ion: 91 Resp: 1093042

Ion Ratio Lower Upper

91 100

126 31.8 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 20.941 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010401.D

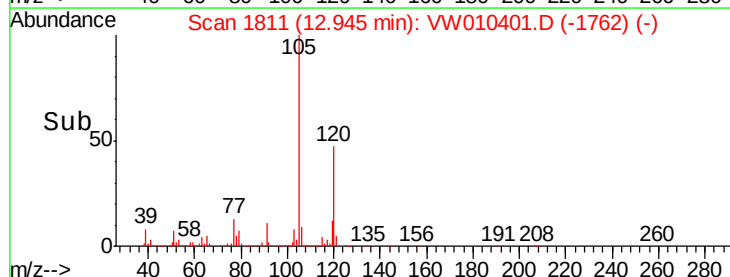
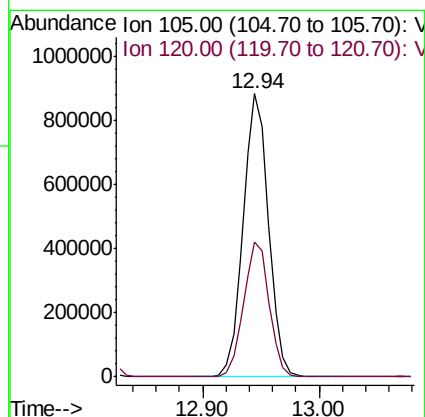
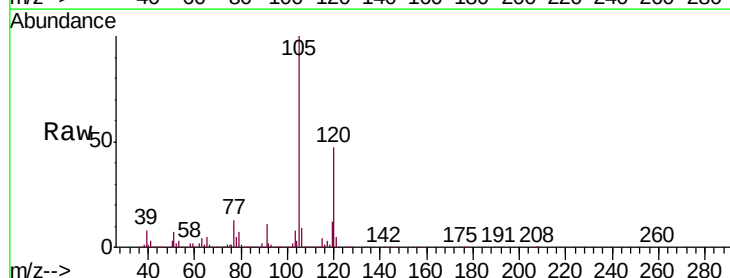
Acq: 12 May 2019 11:43

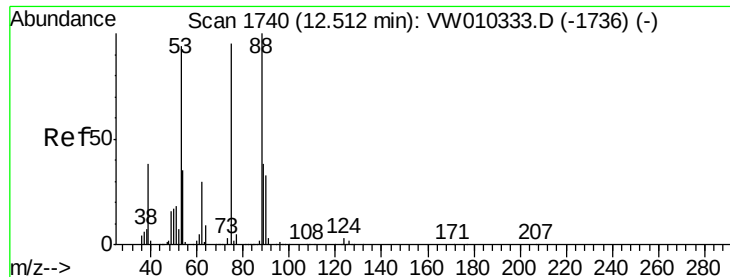
Tgt Ion: 105 Resp: 1338025

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.908 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

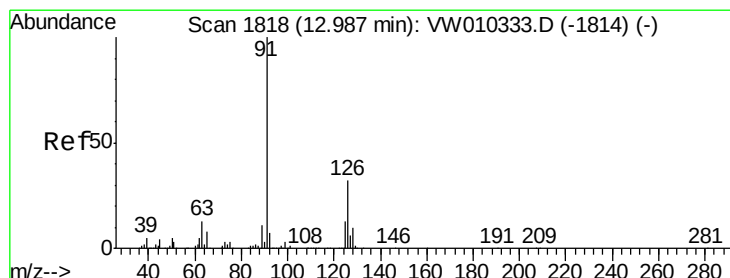
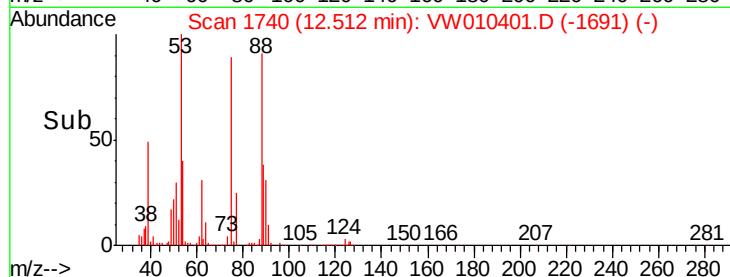
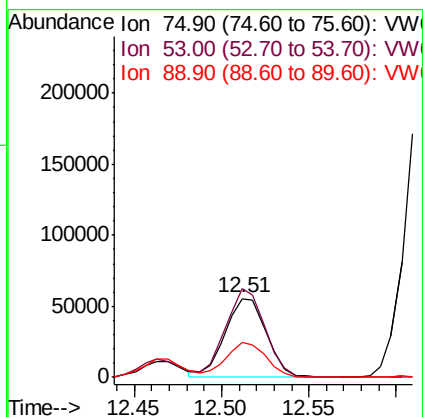
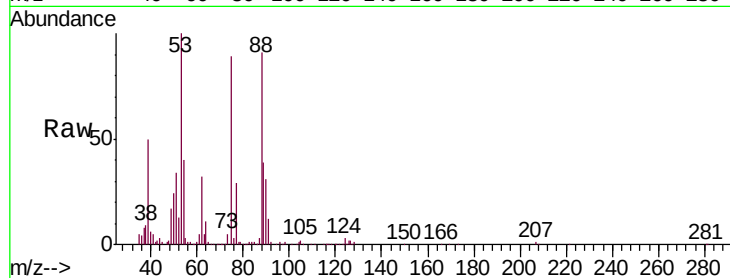
Tgt Ion: 75 Resp: 90768

Ion Ratio Lower Upper

75 100

53 107.3 89.8 134.8

89 43.9 36.6 54.8



#82

4-Chlorotoluene

Concen: 20.632 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010401.D

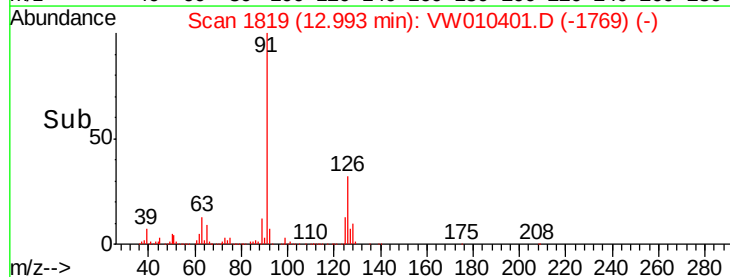
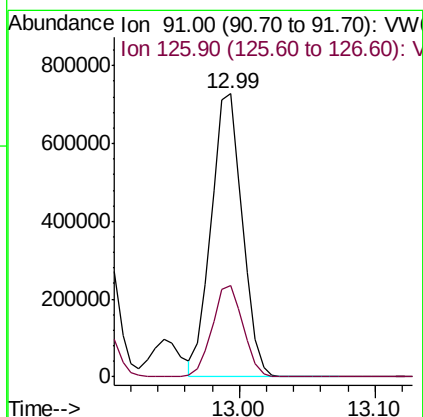
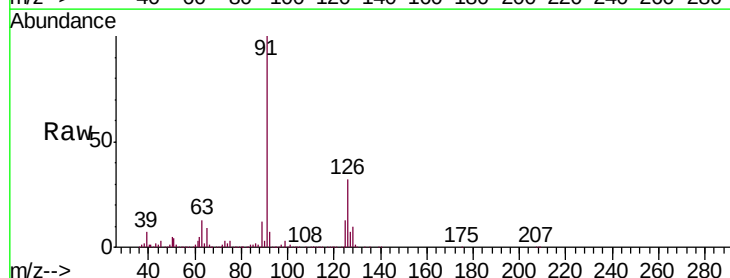
Acq: 12 May 2019 11:43

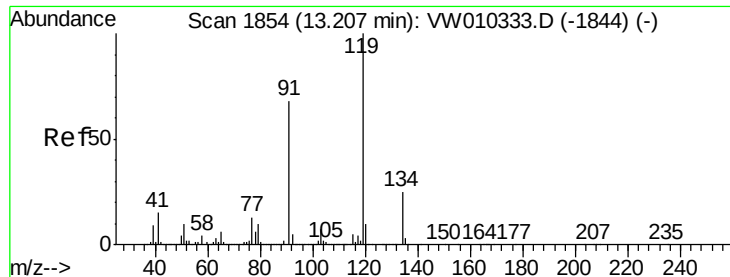
Tgt Ion: 91 Resp: 1152403

Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.1

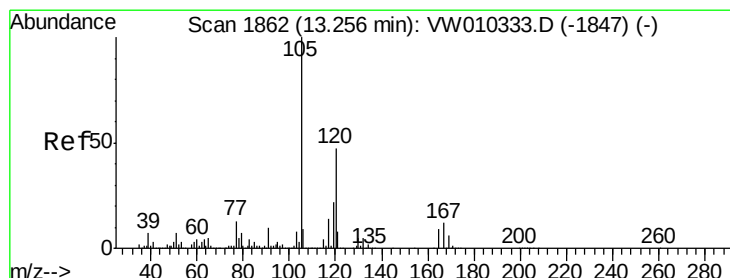
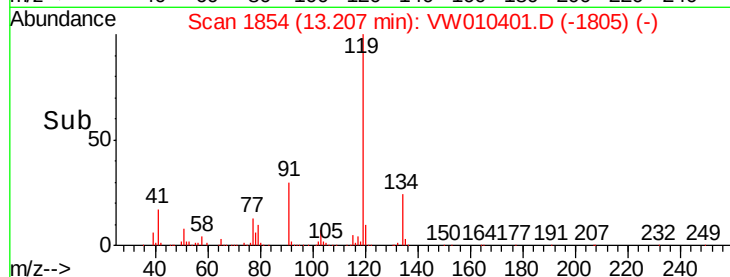
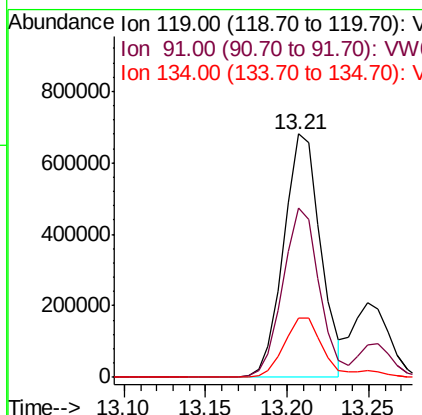
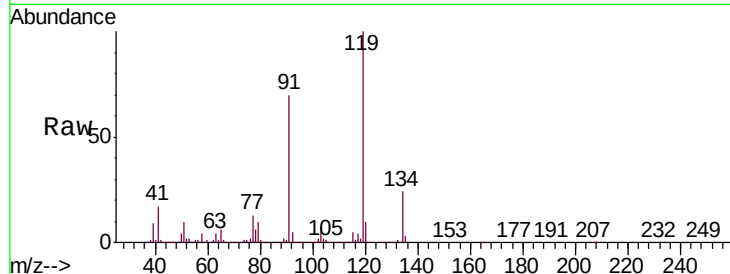




#83
 tert-Butylbenzene
 Concen: 20.064 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

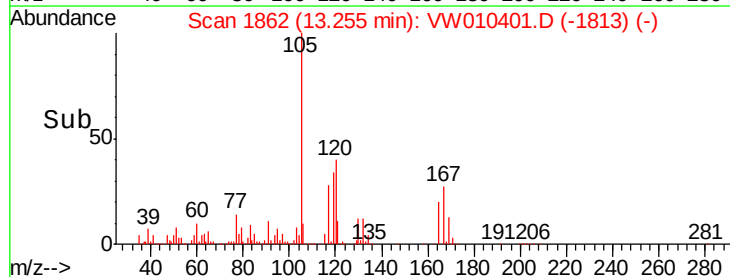
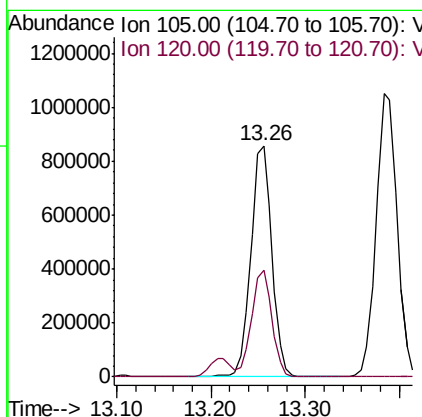
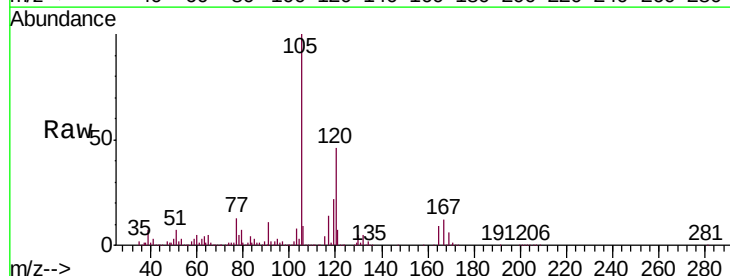
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

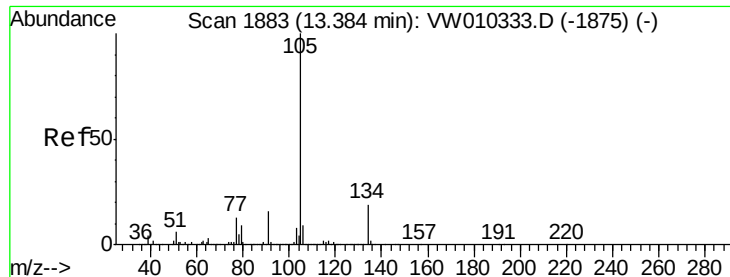
Tgt Ion:119 Resp: 1069320
 Ion Ratio Lower Upper
 119 100
 91 69.1 34.8 104.4
 134 27.4 13.7 41.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.209 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

Tgt Ion:105 Resp: 1346646
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.6 67.7

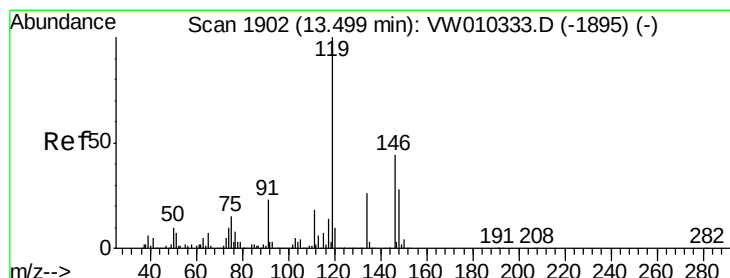
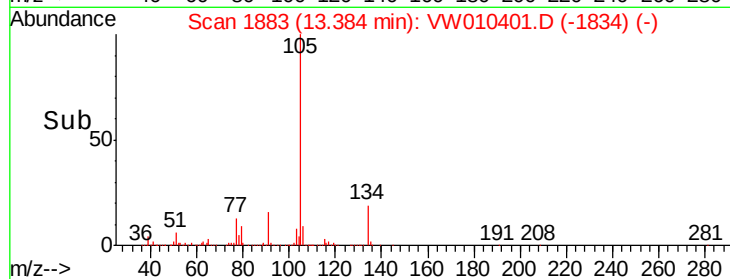
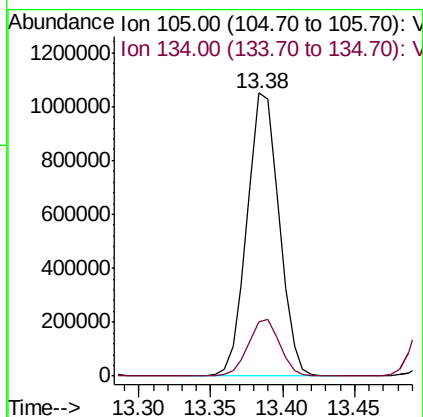
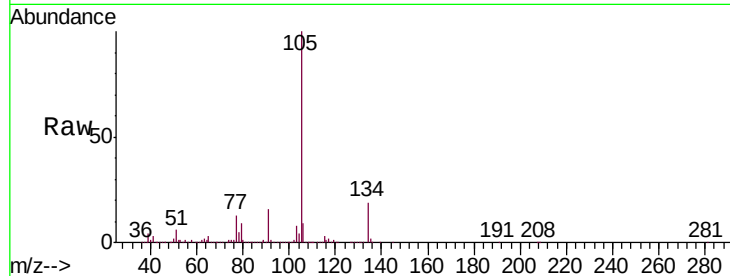




#85
 sec-Butylbenzene
 Concen: 20.503 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

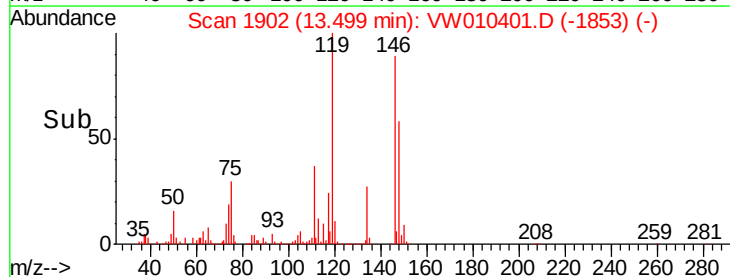
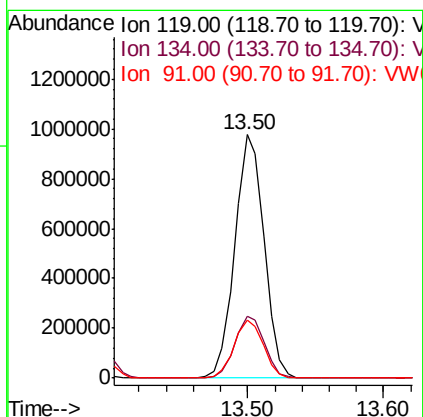
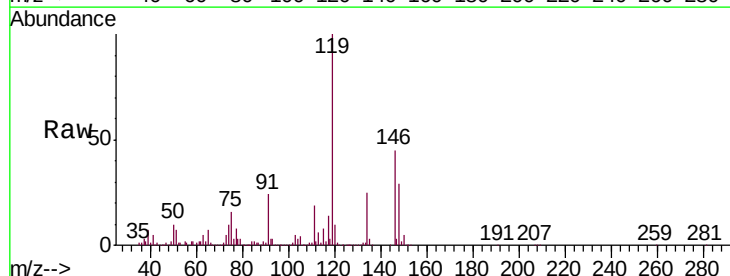
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

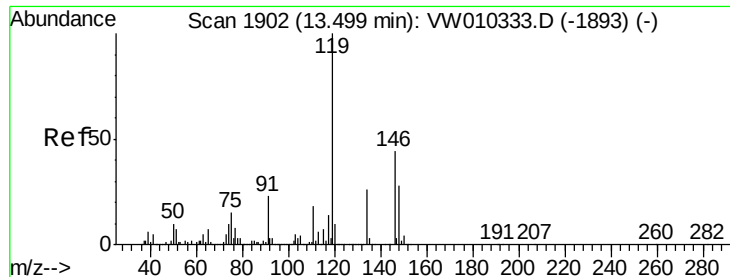
Tgt Ion:105 Resp: 1613088
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.804 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

Tgt Ion:119 Resp: 1453255
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 38.9
 91 24.0 12.3 36.9

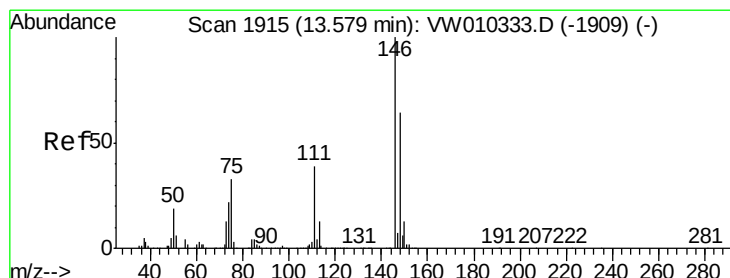
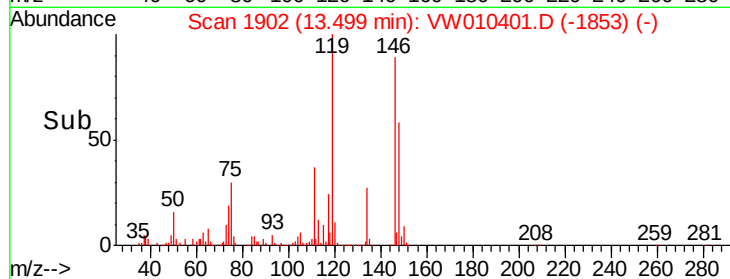
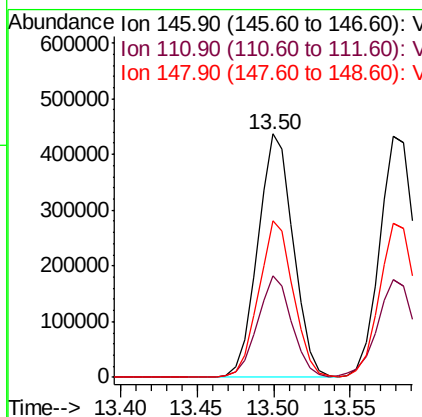
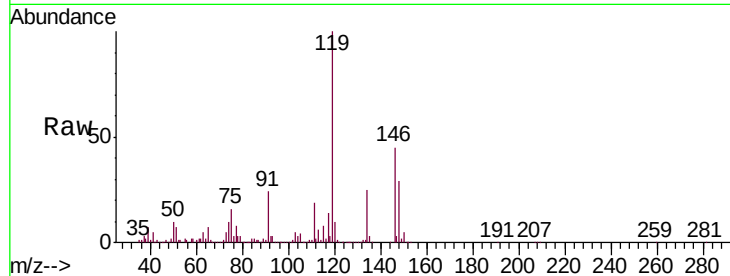




#87
 1,3-Dichlorobenzene
 Concen: 20.623 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

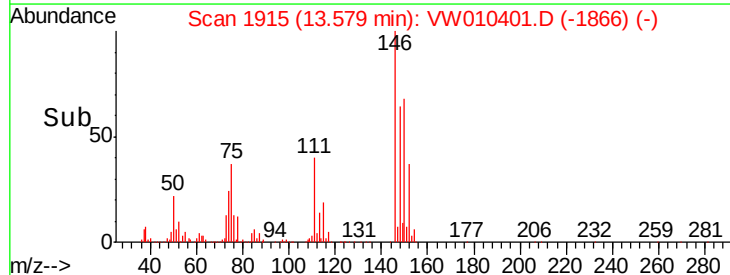
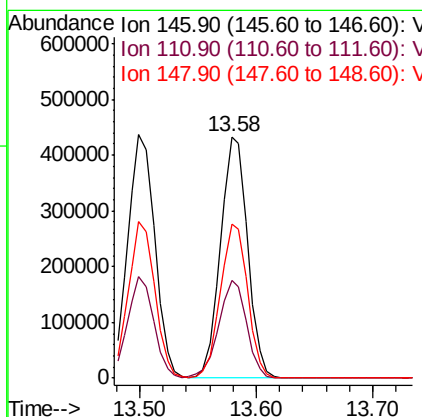
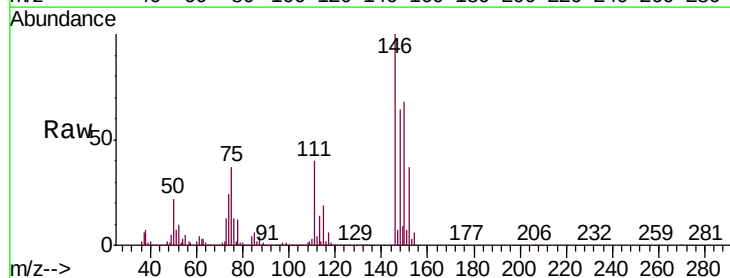
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

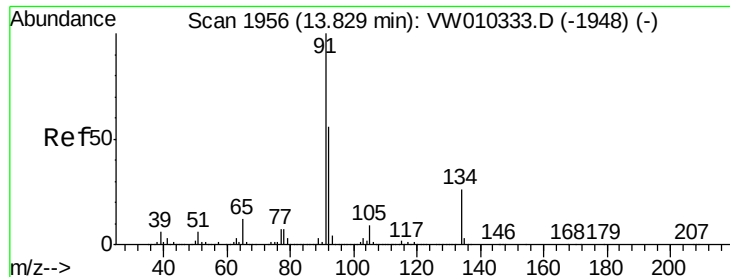
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	61.0
148	62.9	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.446 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.1	60.3
148	64.1	31.8	95.3





#89

n-Butylbenzene

Concen: 20.641 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010401.D

Acq: 12 May 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

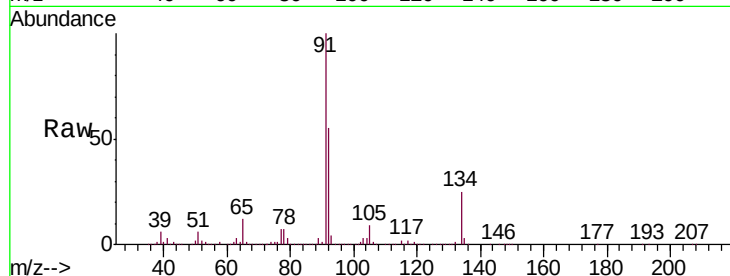
Tgt Ion: 91 Resp: 1445786

Ion Ratio Lower Upper

91 100

92 54.1 26.5 79.4

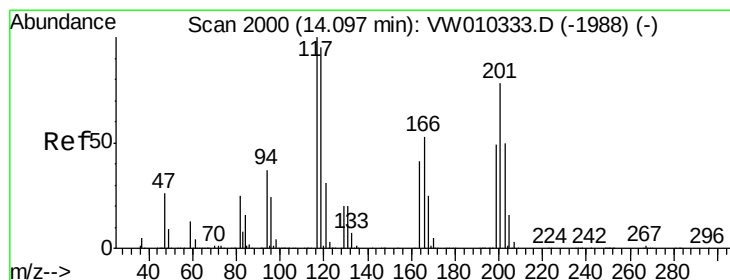
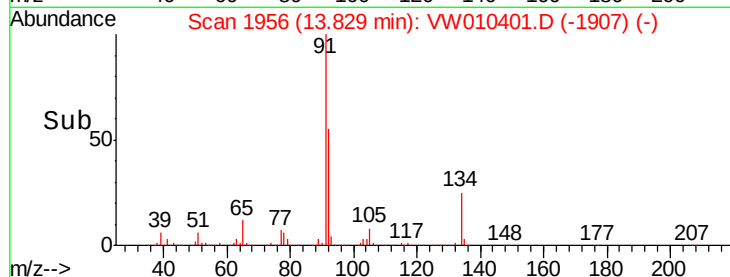
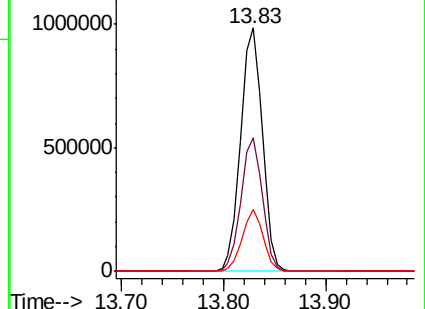
134 24.4 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.684 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010401.D

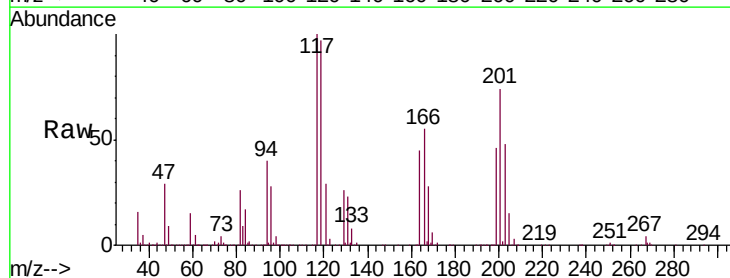
Acq: 12 May 2019 11:43

Tgt Ion: 117 Resp: 255040

Ion Ratio Lower Upper

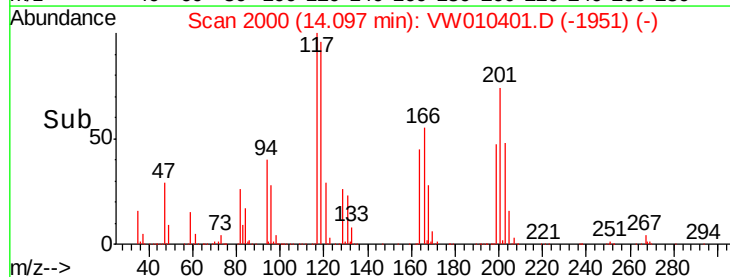
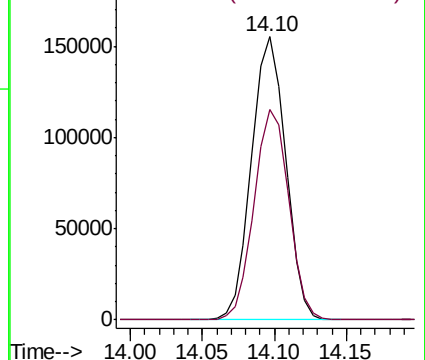
117 100

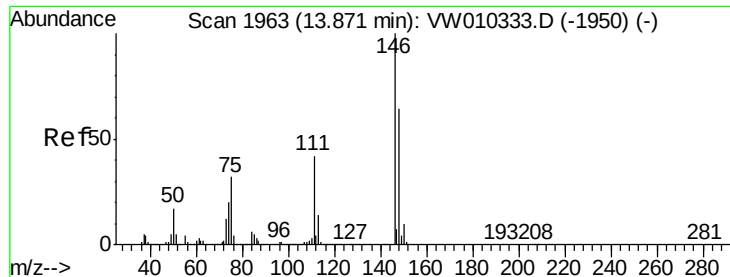
201 75.3 36.1 108.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

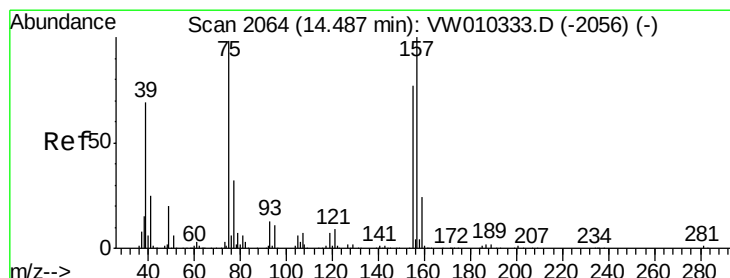
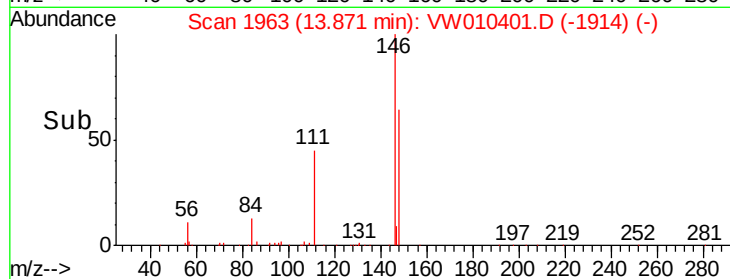
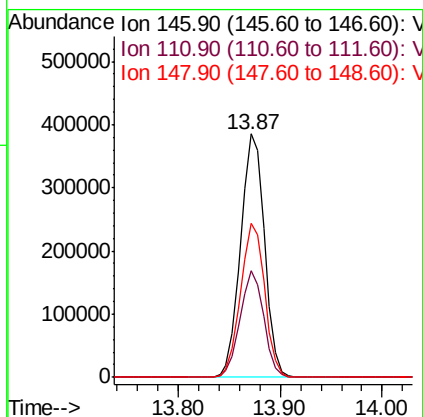
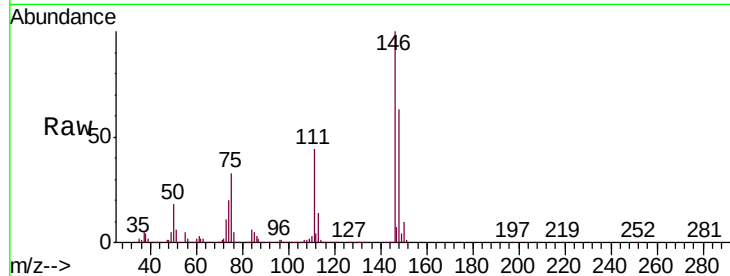




#91
 1,2-Dichlorobenzene
 Concen: 20.632 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

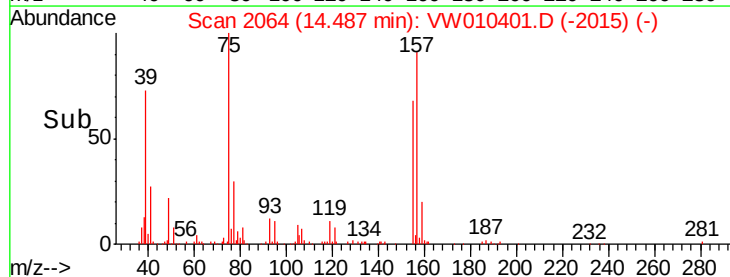
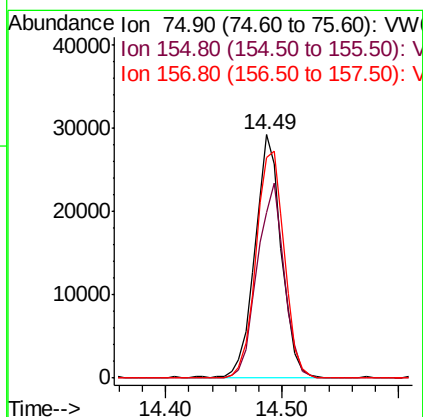
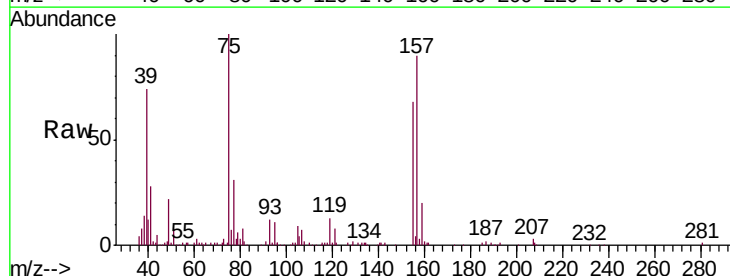
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

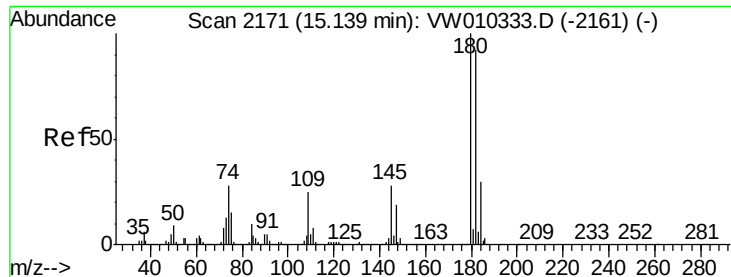
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.9	62.8
148	63.7	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.456 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	37.1	111.5
157	99.1	47.3	141.9

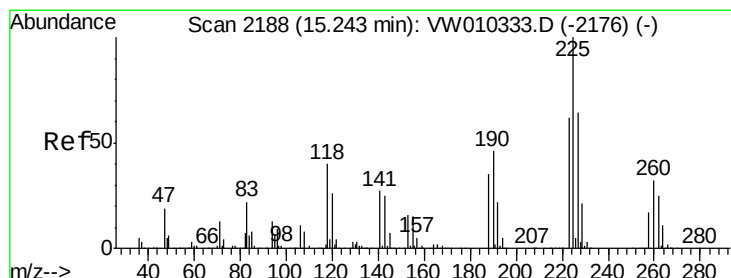
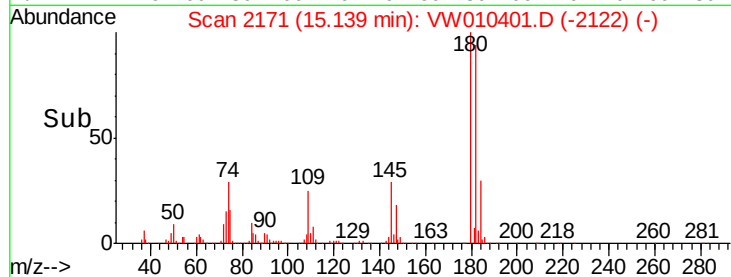
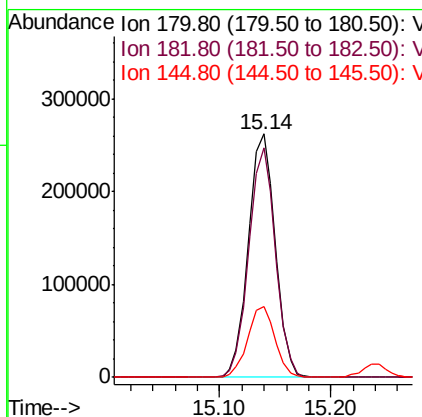
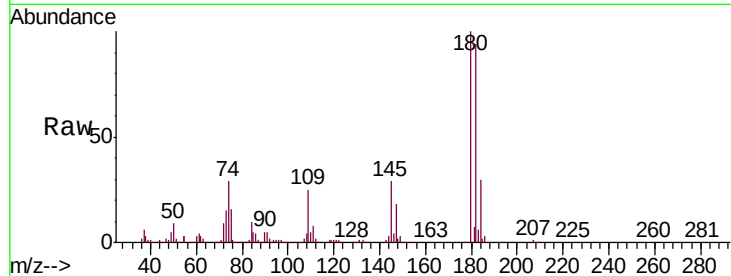




#93
 1,2,4-Trichlorobenzene
 Concen: 21.384 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

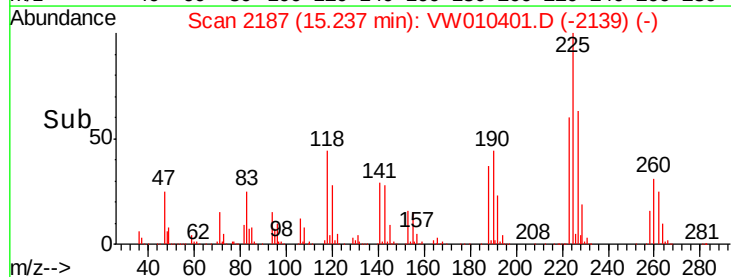
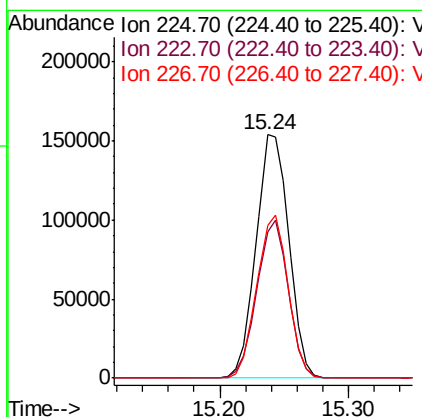
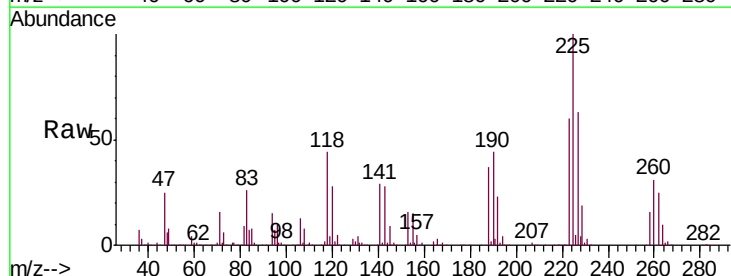
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

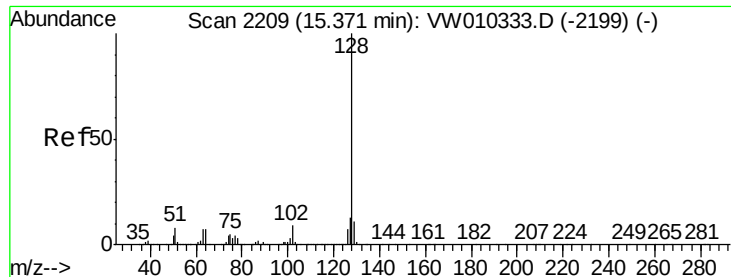
Tgt Ion:180 Resp: 441484
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.1 141.4
 145 29.3 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 20.432 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010401.D
 Acq: 12 May 2019 11:43

Tgt Ion:225 Resp: 270425
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.9 95.5
 227 64.1 31.8 95.3

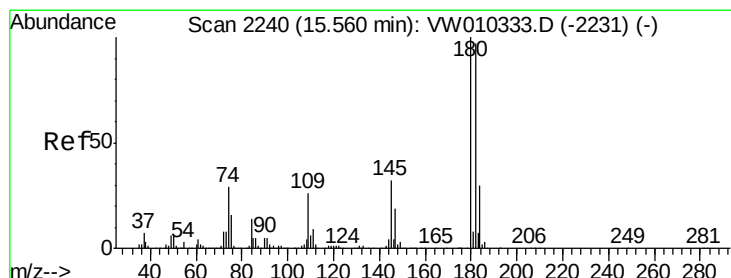
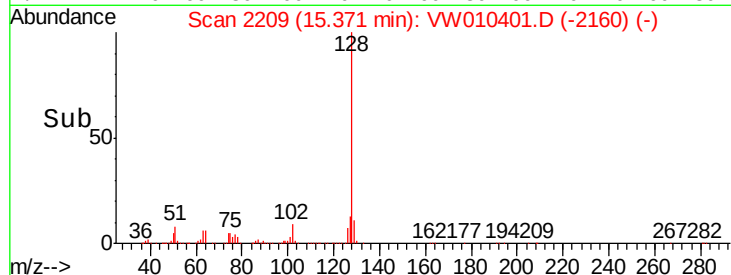
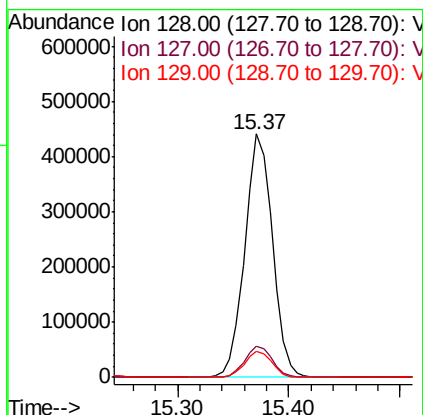
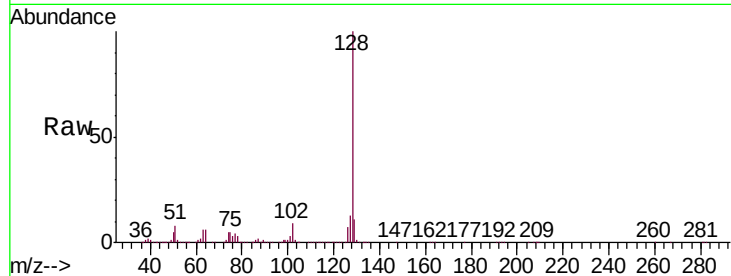




#95
Naphthalene
Concen: 18.639 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.6	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.552 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010401.D
Acq: 12 May 2019 11:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.3
145	32.3	16.4	49.2

