

Data File : VW010405.D
Acq On : 12 May 2019 13:47
Operator : SY/VA
Sample : VW0512SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Quant Time: May 13 05:22:53 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	1251609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2009753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1836358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	948014	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	684229	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.88	113	598097	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.32	98	2399884	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.62	95	874102	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	176492	18.642	ug/l	99
3) Chloromethane	2.21	50	221613	17.297	ug/l	100
4) Vinyl Chloride	2.37	62	315368	19.806	ug/l	98
5) Bromomethane	2.77	94	179277	19.525	ug/l	97
6) Chloroethane	2.92	64	184886	20.078	ug/l	94
7) Trichlorofluoromethane	3.25	101	129701	16.272	ug/l	97
8) Diethyl Ether	3.67	74	150817	21.523	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	270920	20.743	ug/l	98
10) Methyl Iodide	4.27	142	377828	20.428	ug/l	95
11) Tert butyl alcohol	5.18	59	77009	81.950	ug/l	100
12) 1,1-Dichloroethene	4.03	96	274883	20.141	ug/l	96
13) Acrolein	3.89	56	93458	75.329	ug/l	96
14) Allyl chloride	4.66	41	411510	20.199	ug/l	94
15) Acrylonitrile	5.37	53	335117	86.282	ug/l	100
16) Acetone	4.12	43	291610	84.065	ug/l	92
17) Carbon Disulfide	4.38	76	805117	19.505	ug/l	100
18) Methyl Acetate	4.67	43	159104	18.518	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	342813	21.100	ug/l	98
20) Methylene Chloride	4.92	84	306248	21.167	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	298416	20.313	ug/l	96
22) Diisopropyl ether	6.31	45	932959	23.596	ug/l	96
23) Vinyl Acetate	6.25	43	2791309	102.815	ug/l	97
24) 1,1-Dichloroethane	6.21	63	576732	21.666	ug/l	99
25) 2-Butanone	7.17	43	454988	85.739	ug/l	100
26) 2,2-Dichloropropane	7.16	77	277885	20.981	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	321681	21.292	ug/l	97
28) Bromochloromethane	7.51	49	257620	26.250	ug/l	98
29) Tetrahydrofuran	7.53	42	294342	85.755	ug/l	97
30) Chloroform	7.67	83	558302	22.411	ug/l	98
31) Cyclohexane	7.95	56	547897	20.102	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	412404	21.372	ug/l	100
36) 1,1-Dichloropropene	8.08	75	455150	20.887	ug/l	99
37) Ethyl Acetate	7.26	43	205870	17.744	ug/l	98
38) Carbon Tetrachloride	8.06	117	390054	20.881	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	530018	19.883	ug/l	98
40) Benzene	8.32	78	1277020	21.398	ug/l	98
41) Methacrylonitrile	7.49	41	127950	19.664	ug/l	98
42) 1,2-Dichloroethane	8.40	62	385094	22.544	ug/l	97
43) Isopropyl Acetate	8.43	43	359791	18.698	ug/l	95
44) Trichloroethene	9.09	130	308062	20.619	ug/l	100
45) 1,2-Dichloropropane	9.37	63	327987	22.110	ug/l	98
46) Dibromomethane	9.46	93	163910	21.388	ug/l	99
47) Bromodichloromethane	9.64	83	408475	22.220	ug/l	99
48) Methyl methacrylate	9.44	41	174042	19.129	ug/l	87
49) 1,4-Dioxane	9.45	88	49271	368.670	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1017330	92.202	ug/l	96
52) Toluene	10.38	92	793420	21.752	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	398729	21.413	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	475918	21.581	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	234996	21.589	ug/l	98
56) Ethyl methacrylate	10.65	69	285023	19.829	ug/l #	90
57) 1,3-Dichloropropane	10.93	76	422268	21.701	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	819871	119.134	ug/l	100
59) 2-Hexanone	10.97	43	700695	89.819	ug/l	94
60) Dibromochloromethane	11.13	129	251274	21.453	ug/l	99
61) 1,2-Dibromoethane	11.23	107	217464	20.812	ug/l	98
64) Tetrachloroethene	10.86	164	262757	20.472	ug/l	99
65) Chlorobenzene	11.66	112	812540	21.375	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	275590	21.450	ug/l	97
67) Ethyl Benzene	11.73	91	1491518	21.329	ug/l	100
68) m/p-Xylenes	11.84	106	1131547	43.551	ug/l	99
69) o-Xylene	12.16	106	500556	21.297	ug/l	100
70) Styrene	12.18	104	912762	22.288	ug/l	98
71) Bromoform	12.35	173	142410	19.390	ug/l	97
73) Isopropylbenzene	12.46	105	1429350	20.685	ug/l	99
74) N-amyl acetate	12.27	43	330657	18.522	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	281964	18.519	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	356038	32.212	ug/l #	100
77) Bromobenzene	12.75	156	326970	20.956	ug/l	100
78) n-propylbenzene	12.80	91	1799271	21.082	ug/l	100
79) 2-Chlorotoluene	12.90	91	1019458	20.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1236604	21.227	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	83656	17.092	ug/l	98
82) 4-Chlorotoluene	12.99	91	1089387	21.392	ug/l	98
83) tert-Butylbenzene	13.21	119	993615	20.449	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1259747	21.761	ug/l	100
85) sec-Butylbenzene	13.38	105	1490228	20.775	ug/l	99
86) p-Isopropyltoluene	13.50	119	1349477	21.189	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	664925	21.342	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	655669	21.206	ug/l	100
89) n-Butylbenzene	13.83	91	1340142	20.986	ug/l	100
90) Hexachloroethane	14.10	117	238707	20.208	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	588238	21.329	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	45245	16.502	ug/l	98

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	409704	21.766	ug/l	100
94) Hexachlorobutadiene	15.24	225	251958	20.880	ug/l	99
95) Naphthalene	15.37	128	714632	19.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	367341	21.603	ug/l	99

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

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Acq On : 12 May 2019 13:47

Operator : SY/VA

Sample : VW0512SBSD01

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

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ALS Vial      : 9      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

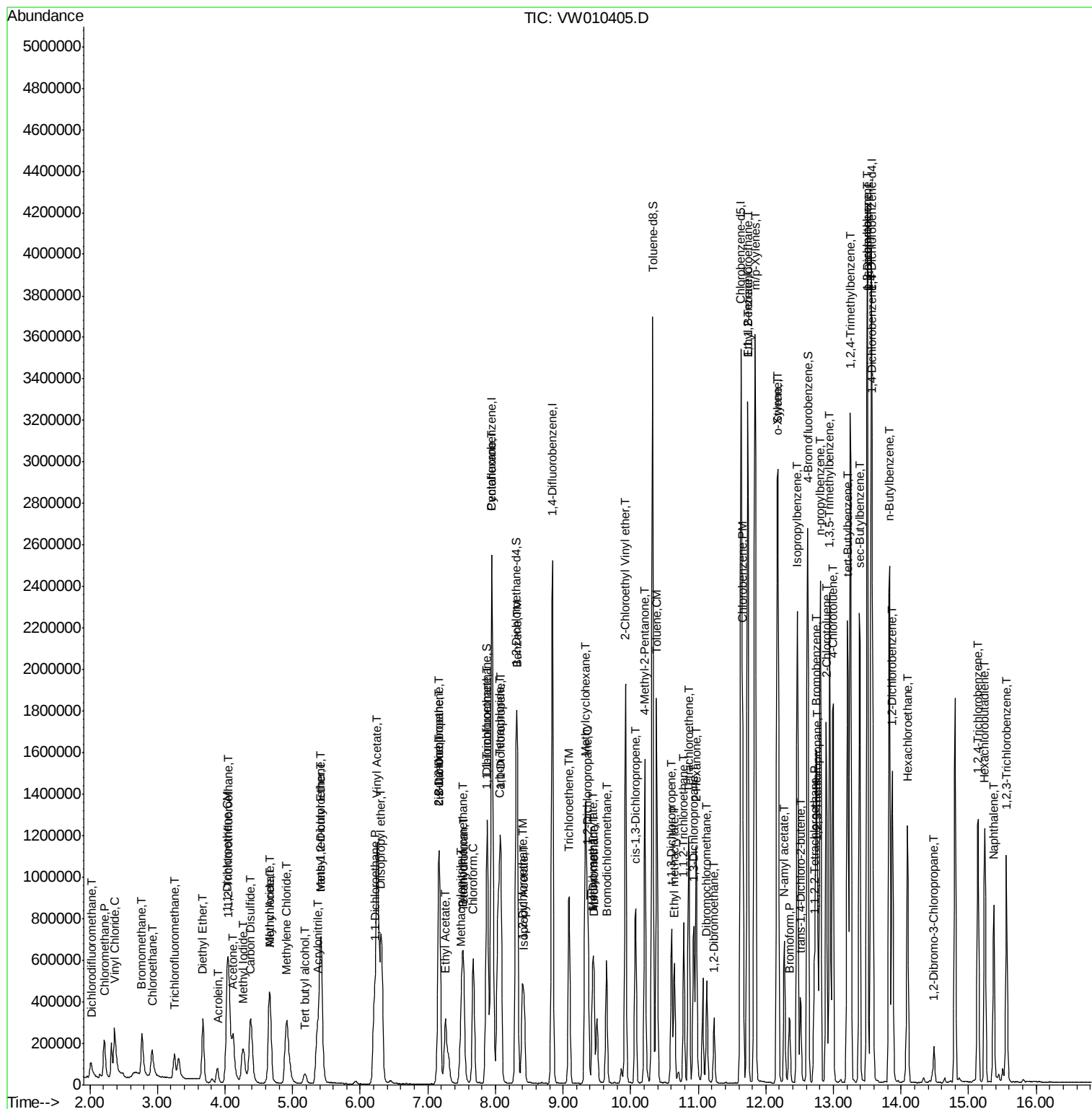
Quant Time: May 13 05:22:53 2019

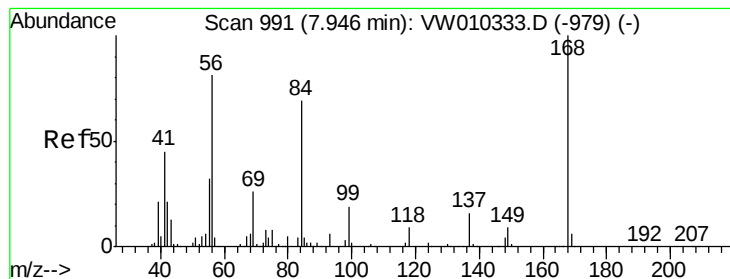
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Quant Title : SW846 8260

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: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

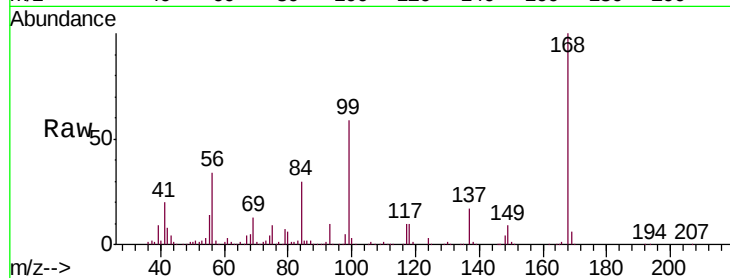
VW0512SBSD01

Tgt Ion:168 Resp: 1251609

Ion Ratio Lower Upper

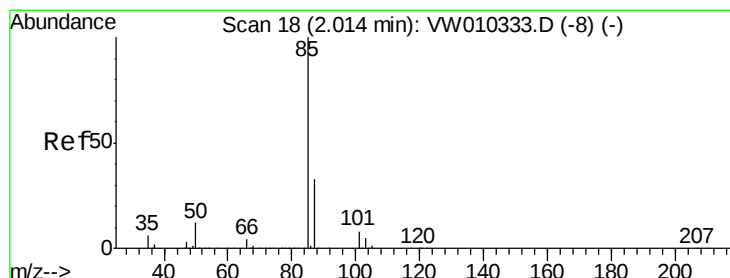
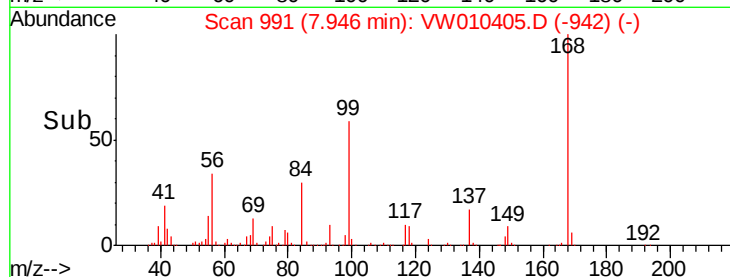
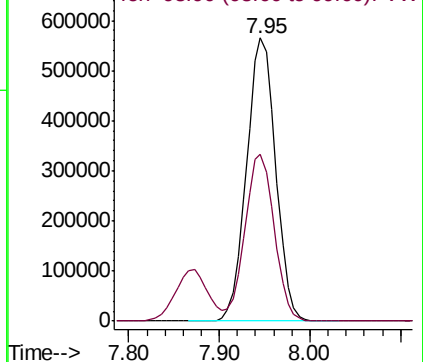
168 100

99 59.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.642 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010405.D

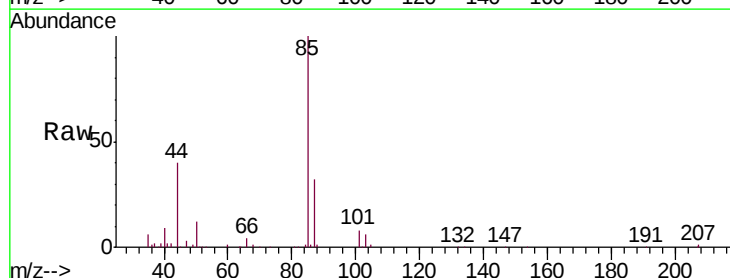
Acq: 12 May 2019 13:47

Tgt Ion: 85 Resp: 176492

Ion Ratio Lower Upper

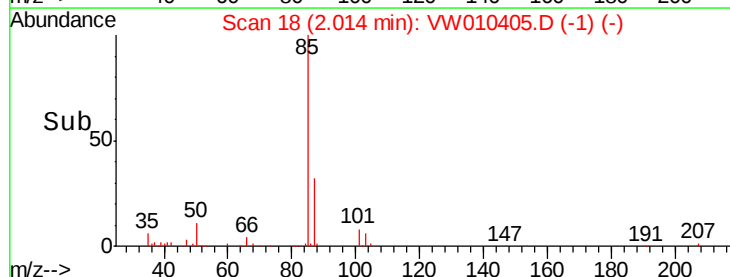
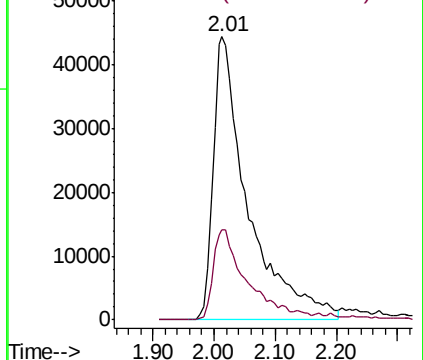
85 100

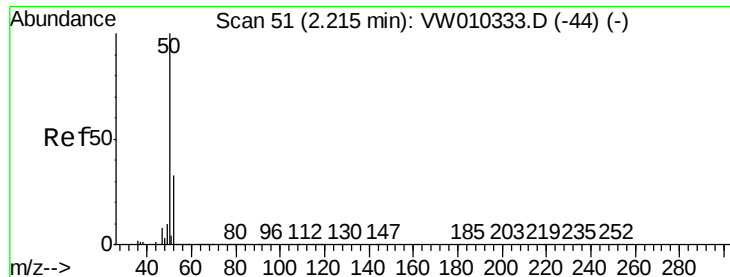
87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 17.297 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

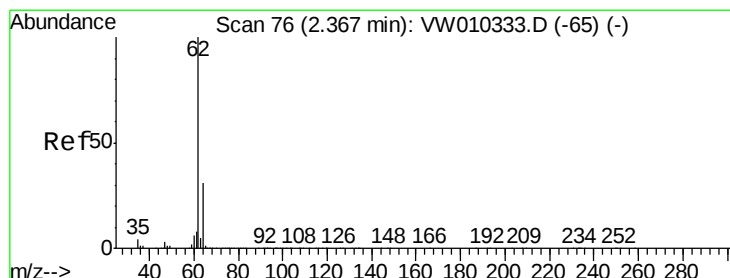
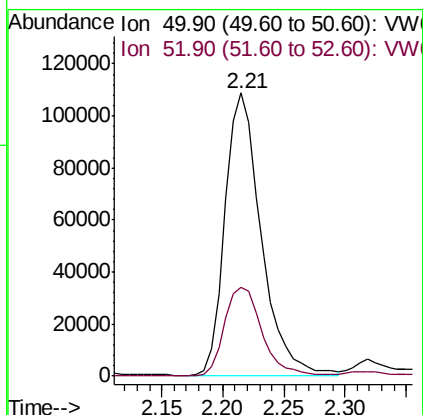
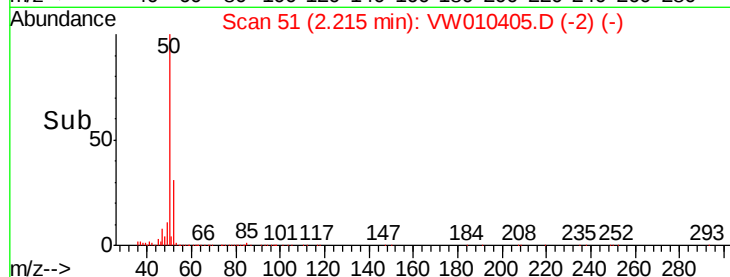
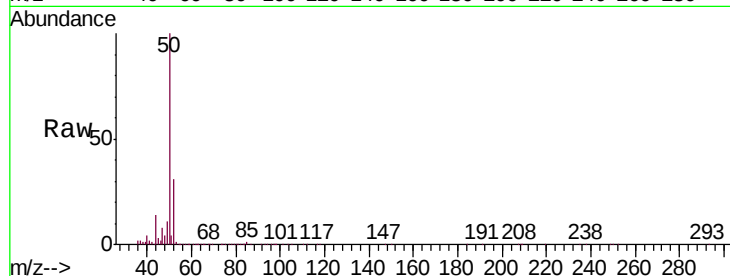
VW0512SBSD01

Tgt Ion: 50 Resp: 221613

Ion Ratio Lower Upper

50 100

52 31.2 25.0 37.6



#4

Vinyl Chloride

Concen: 19.806 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010405.D

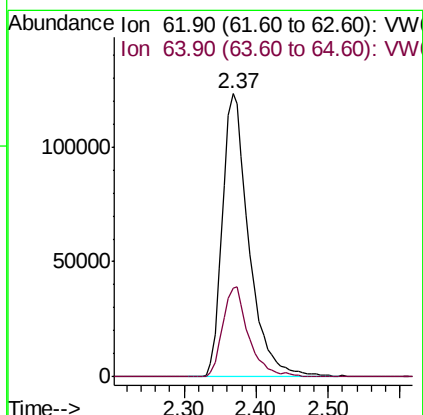
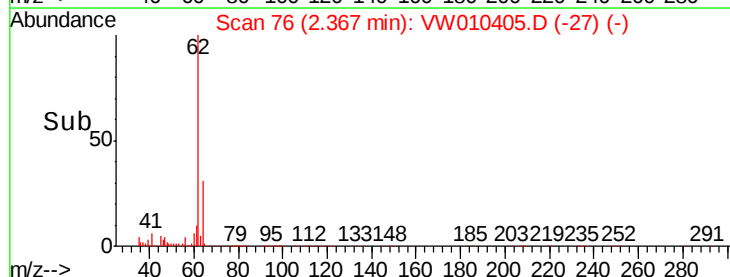
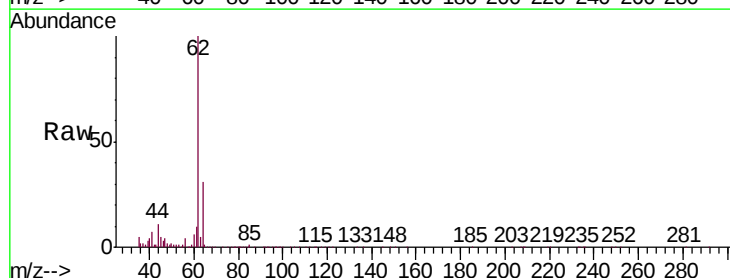
Acq: 12 May 2019 13:47

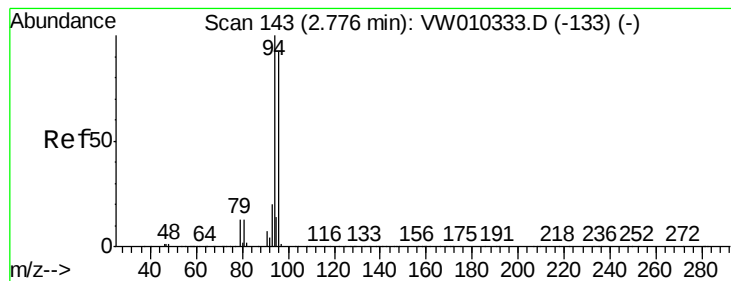
Tgt Ion: 62 Resp: 315368

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9





#5

Bromomethane

Concen: 19.525 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

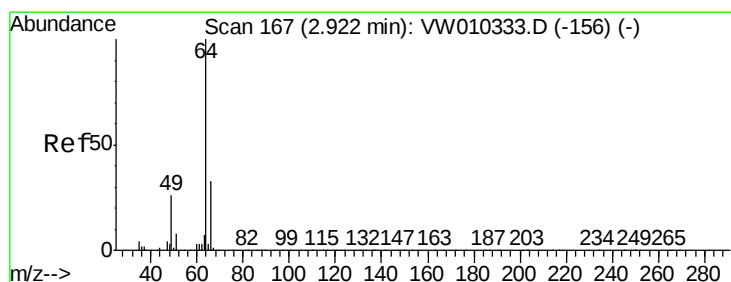
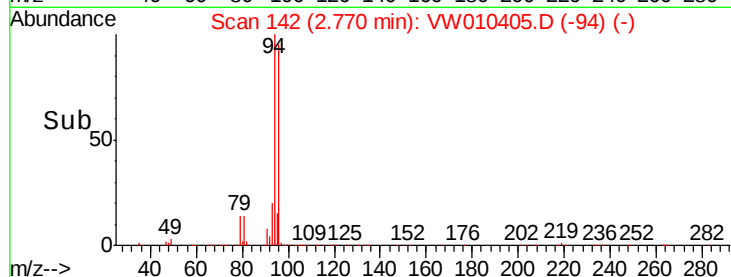
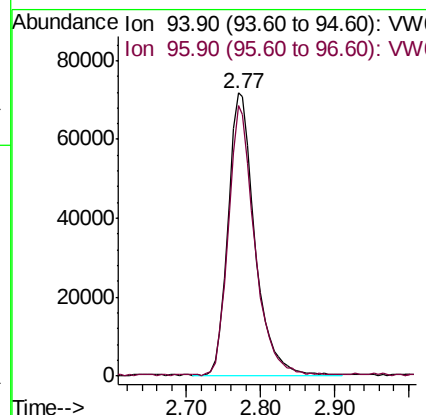
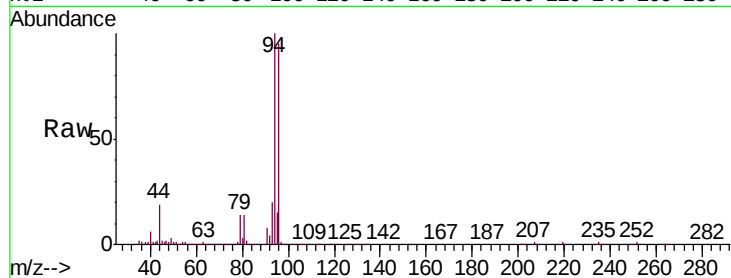
VW0512SBSD01

Tgt Ion: 94 Resp: 179277

Ion Ratio Lower Upper

94 100

96 95.2 74.2 111.2



#6

Chloroethane

Concen: 20.078 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010405.D

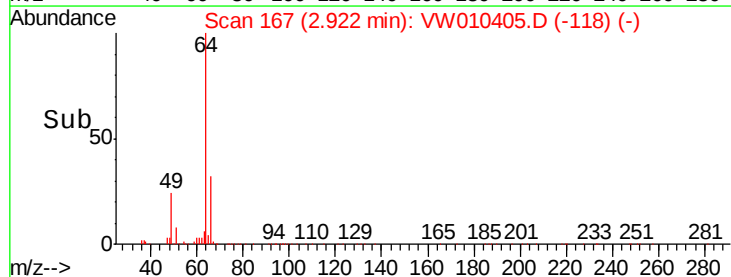
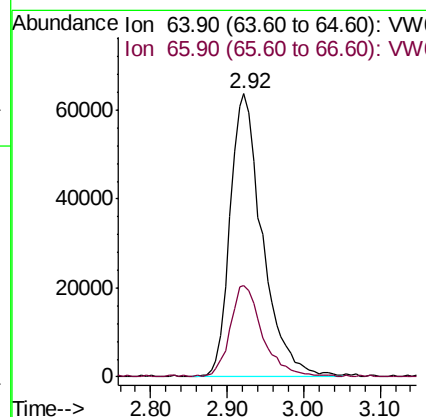
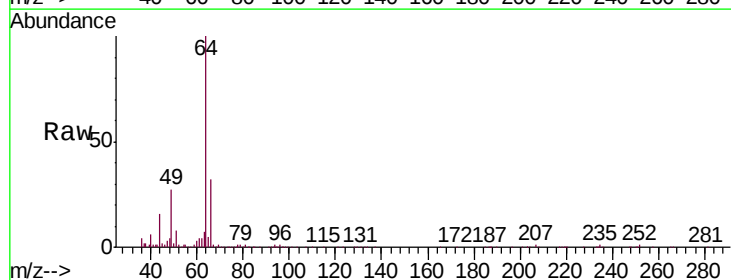
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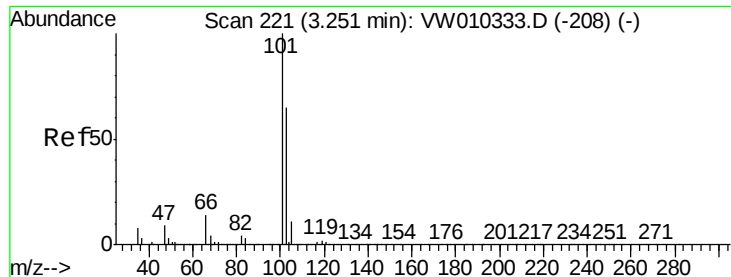
Tgt Ion: 64 Resp: 184886

Ion Ratio Lower Upper

64 100

66 32.4 23.4 35.0



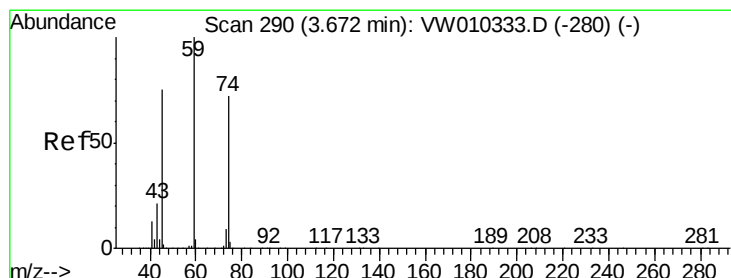
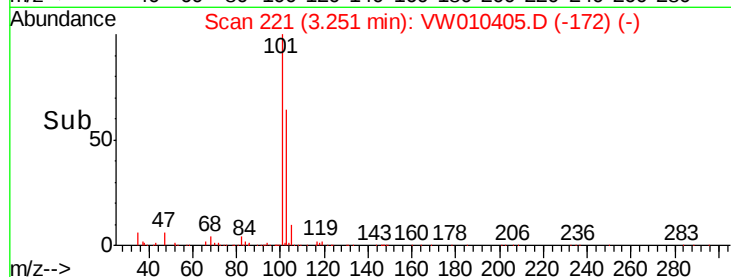
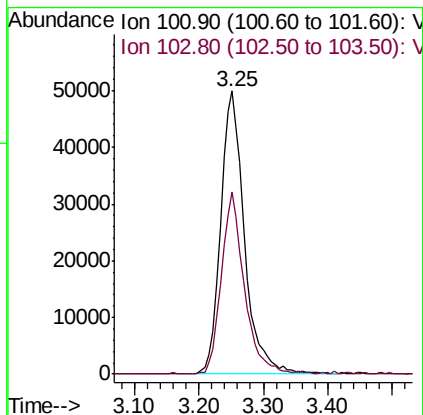
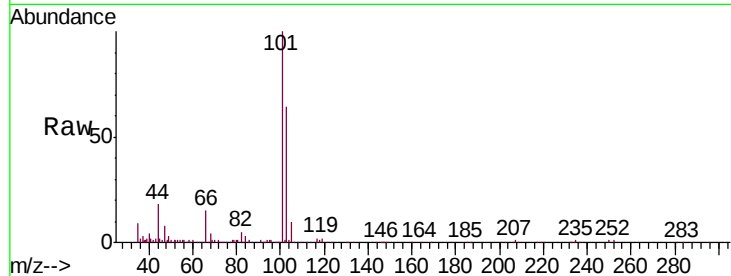


#7

Trichlorofluoromethane
 Concen: 16.272 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

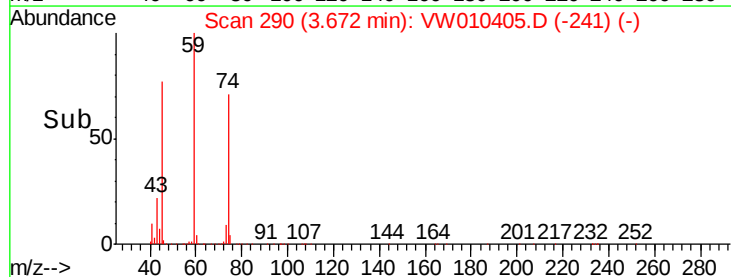
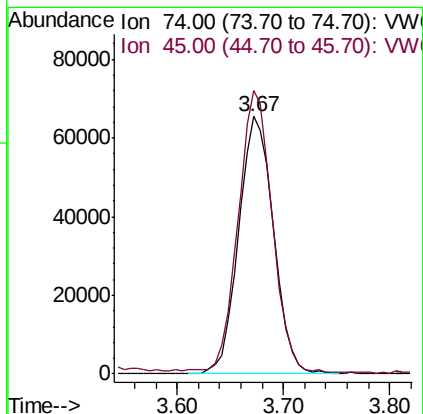
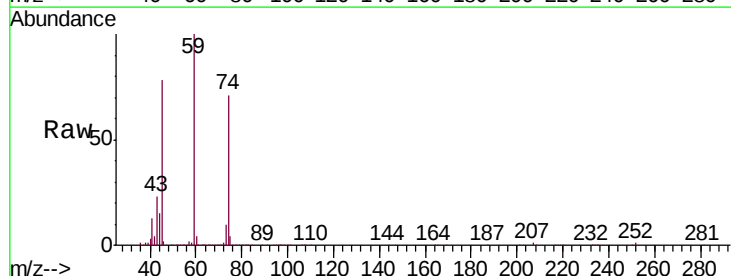
Tgt Ion: 101 Resp: 129701
 Ion Ratio Lower Upper
 101 100
 103 64.2 49.8 74.6

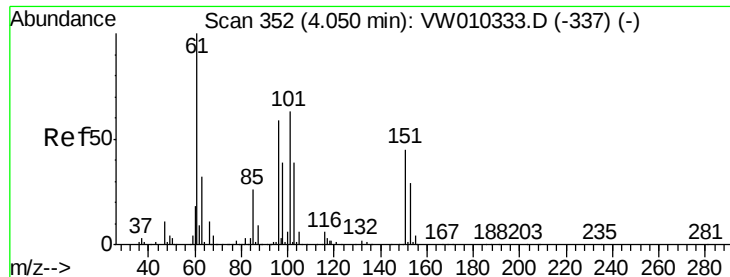


#8

Diethyl Ether
 Concen: 21.523 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion: 74 Resp: 150817
 Ion Ratio Lower Upper
 74 100
 45 107.8 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.743 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

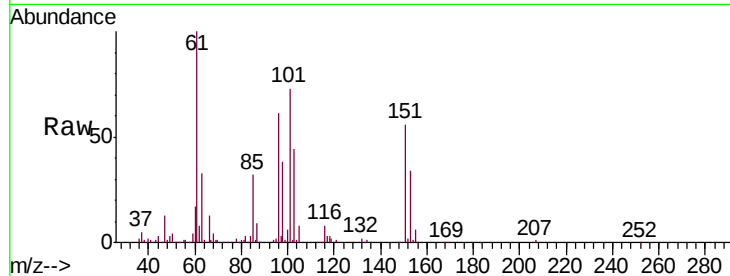
Tgt Ion:101 Resp: 270920

Ion Ratio Lower Upper

101 100

85 44.4 36.3 54.5

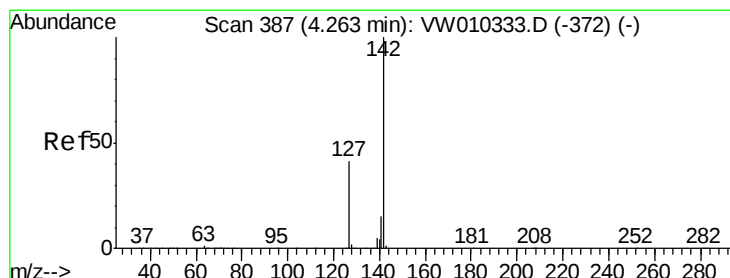
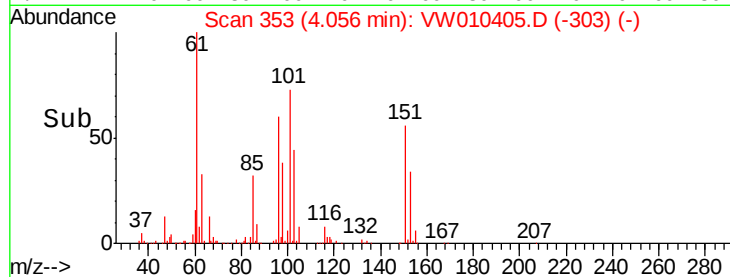
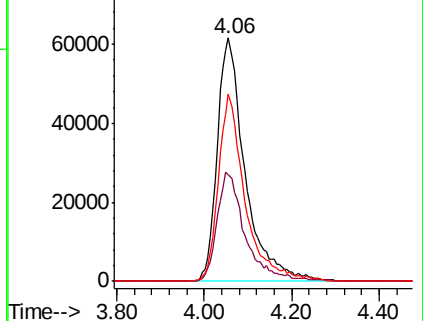
151 73.6 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.428 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

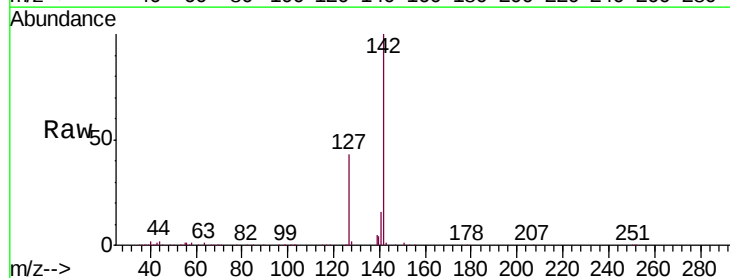
Tgt Ion:142 Resp: 377828

Ion Ratio Lower Upper

142 100

127 43.5 38.1 57.1

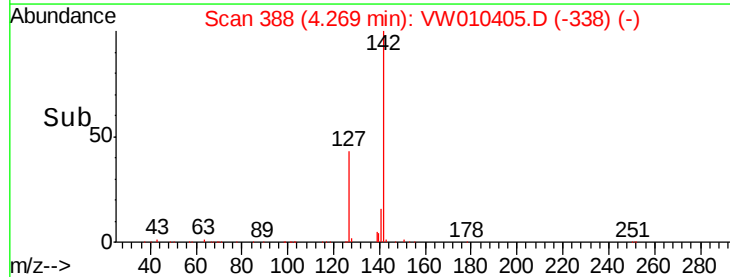
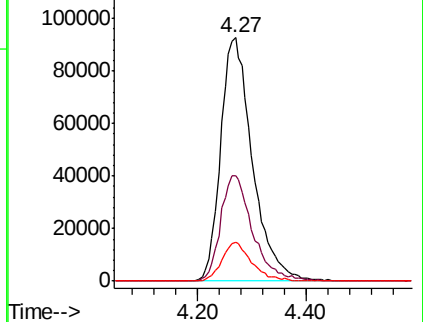
141 14.9 12.2 18.2

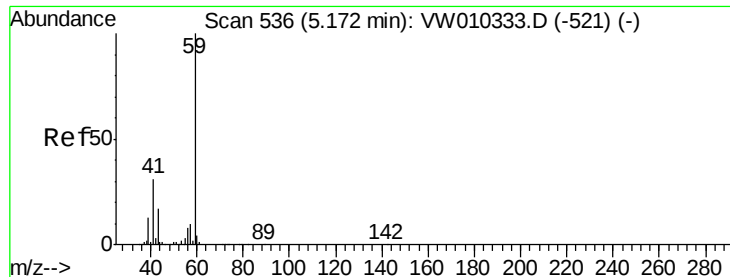


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

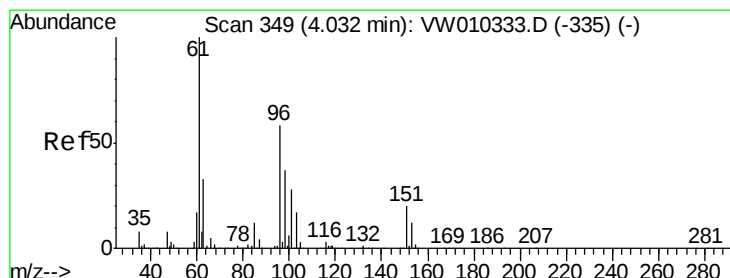
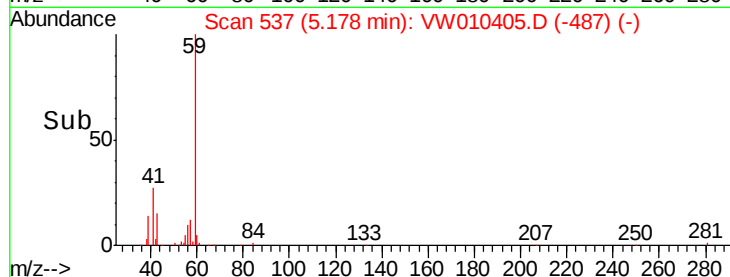
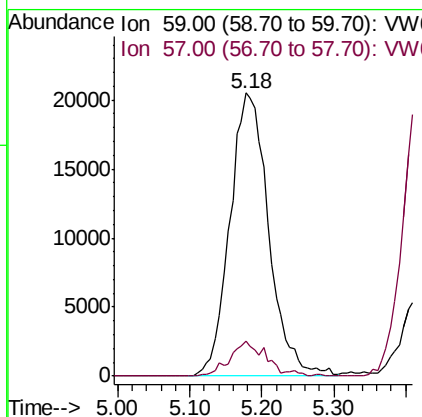
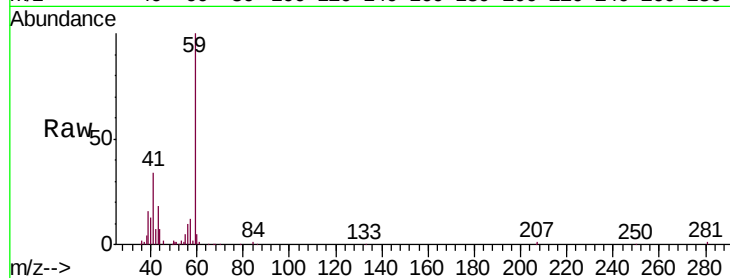




#11
Tert butyl alcohol
Concen: 81.950 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

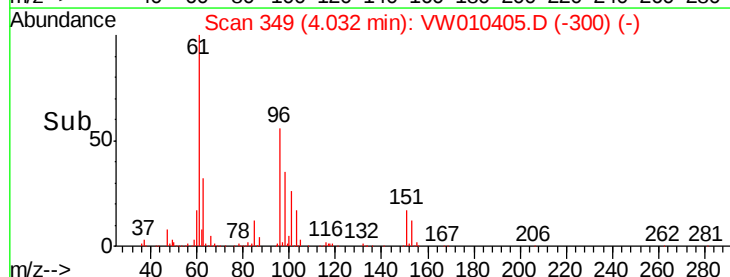
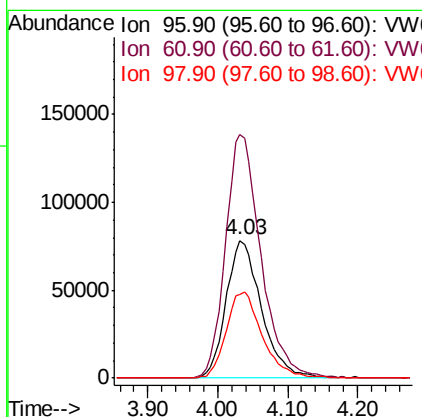
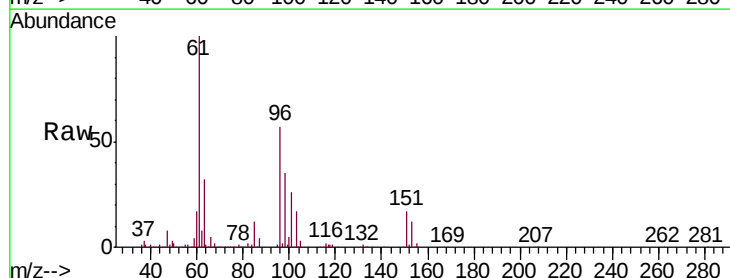
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

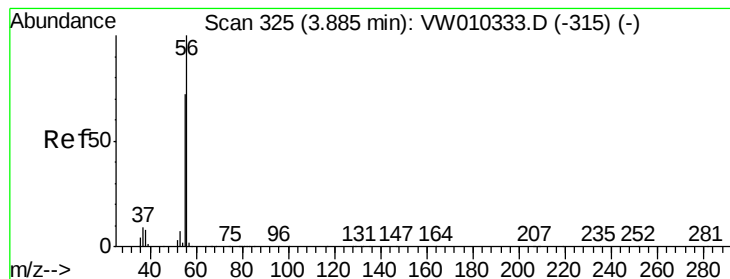
Tgt Ion: 59 Resp: 77009
Ion Ratio Lower Upper
59 100
57 11.1 9.0 13.4



#12
1,1-Dichloroethene
Concen: 20.141 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion: 96 Resp: 274883
Ion Ratio Lower Upper
96 100
61 176.9 147.4 221.2
98 61.0 49.7 74.5





#13

Acrolein

Concen: 75.329 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

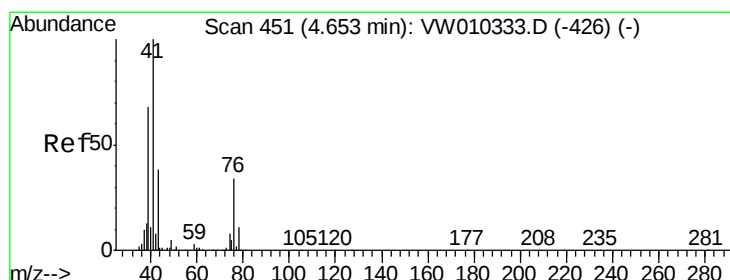
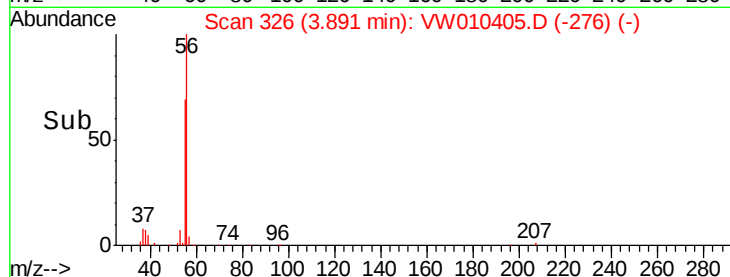
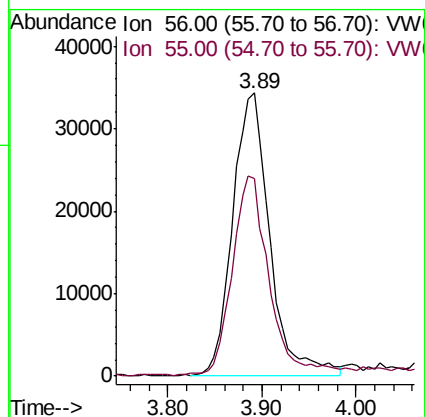
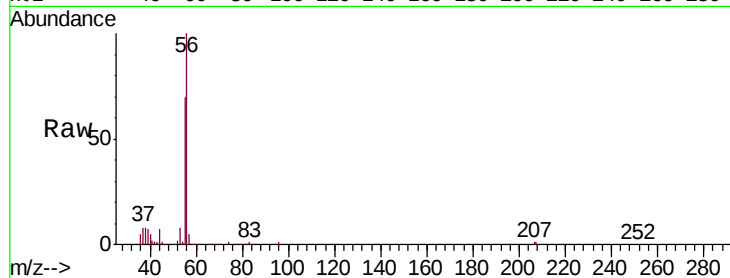
VW0512SBSD01

Tgt Ion: 56 Resp: 93458

Ion Ratio Lower Upper

56 100

55 71.0 54.2 81.2



#14

Allyl chloride

Concen: 20.199 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

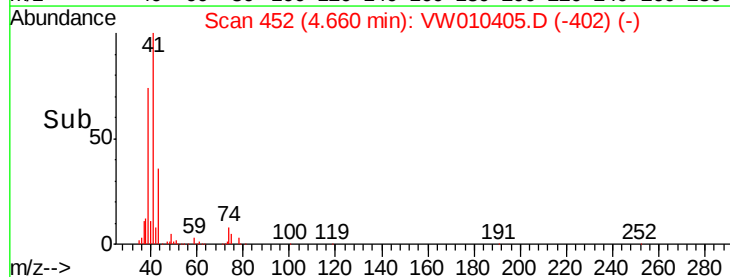
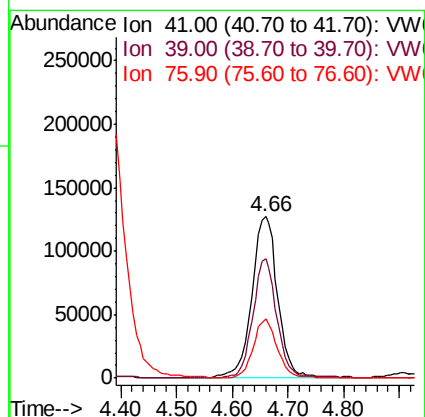
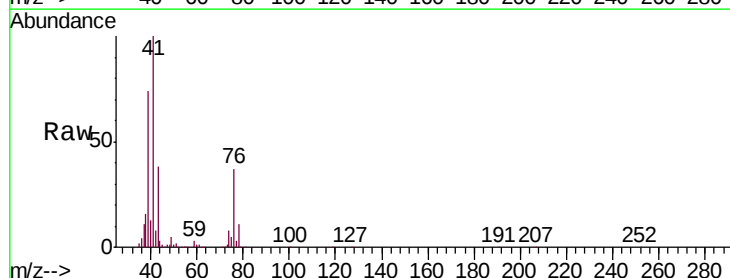
Tgt Ion: 41 Resp: 411510

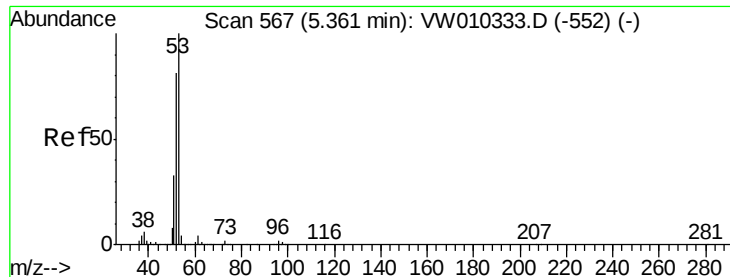
Ion Ratio Lower Upper

41 100

39 69.4 60.2 90.4

76 33.4 25.0 37.6





#15

Acrylonitrile

Concen: 86.282 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

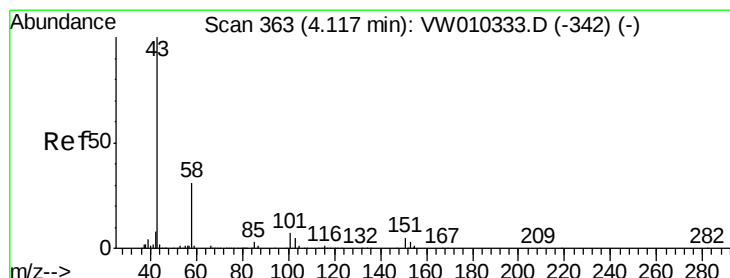
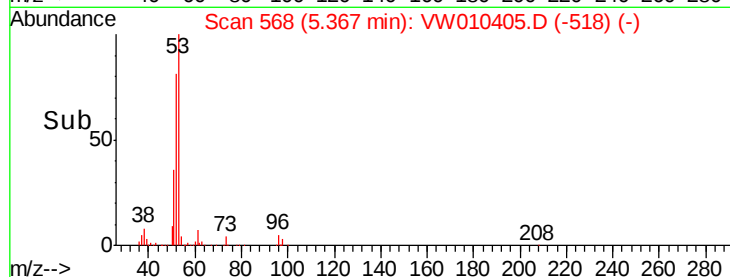
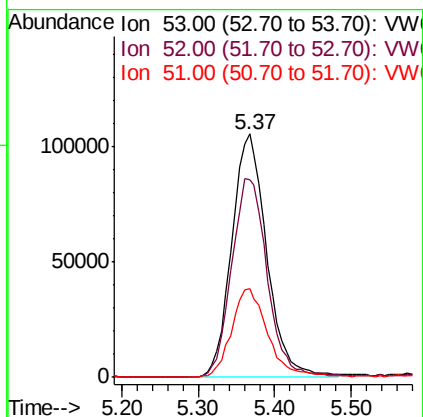
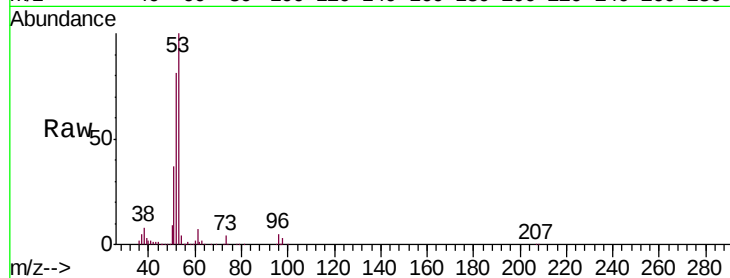
Tgt Ion: 53 Resp: 335117

Ion Ratio Lower Upper

53 100

52 83.1 66.6 100.0

51 37.5 30.3 45.5



#16

Acetone

Concen: 84.065 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010405.D

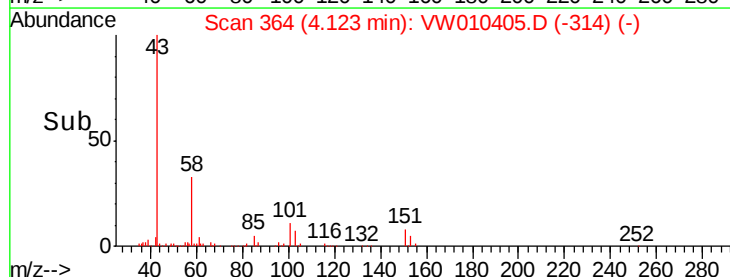
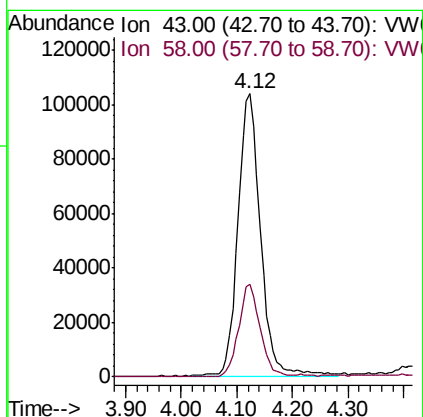
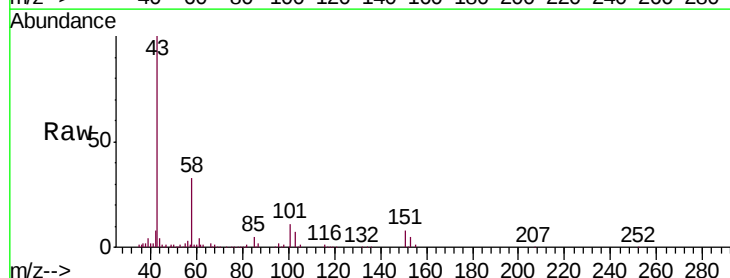
Acq: 12 May 2019 13:47

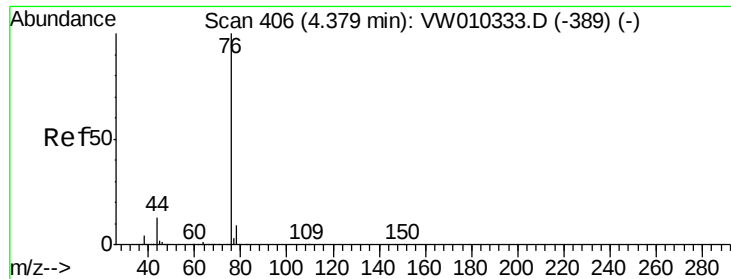
Tgt Ion: 43 Resp: 291610

Ion Ratio Lower Upper

43 100

58 32.8 22.7 34.1

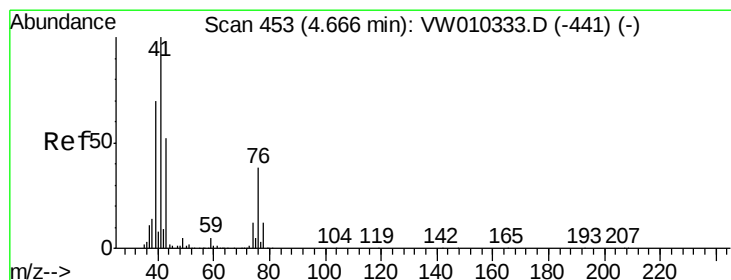
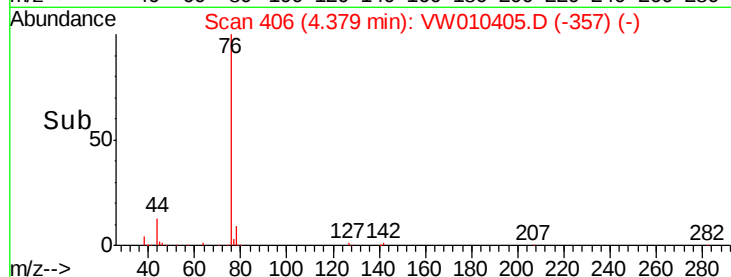
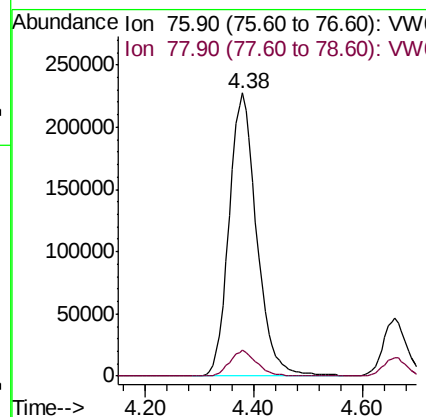
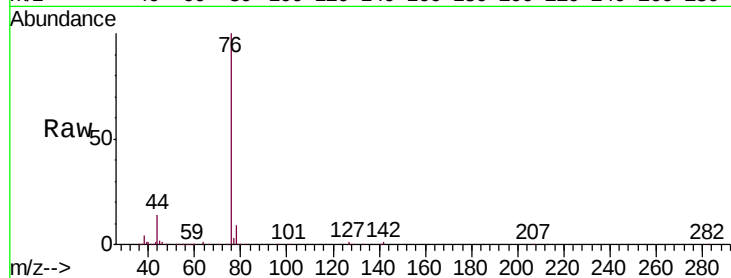




#17
Carbon Disulfide
Concen: 19.505 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

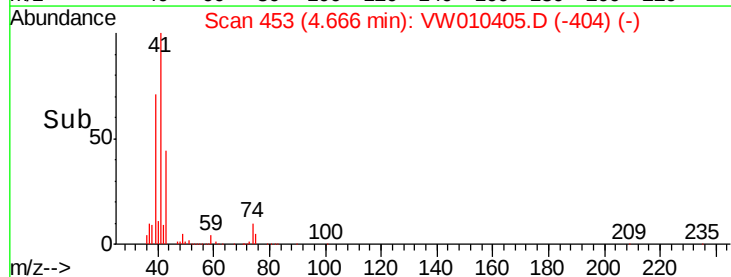
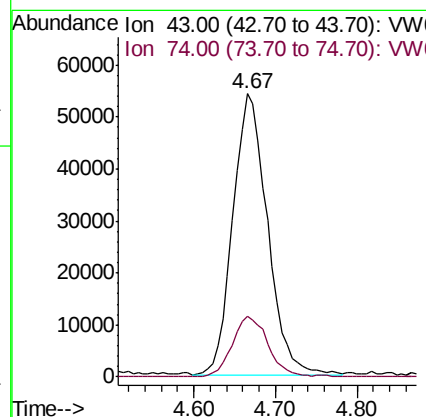
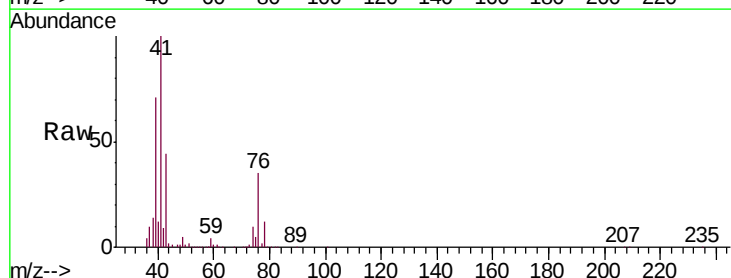
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

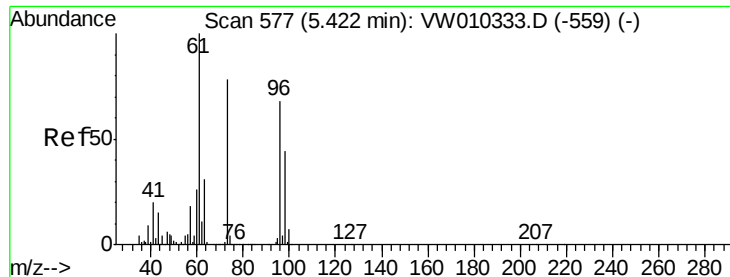
Tgt Ion: 76 Resp: 805117
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 18.518 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion: 43 Resp: 159104
Ion Ratio Lower Upper
43 100
74 22.2 16.8 25.2

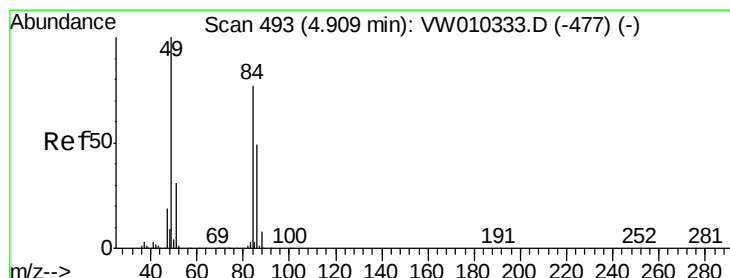
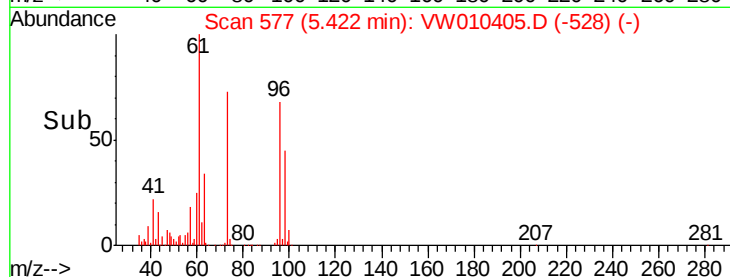
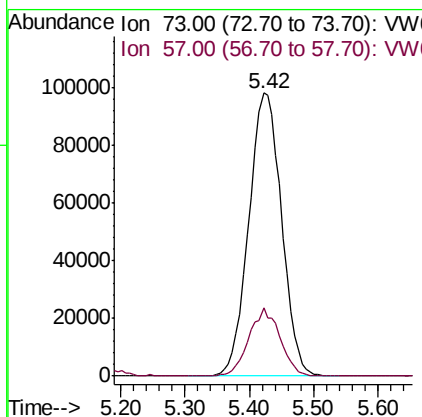
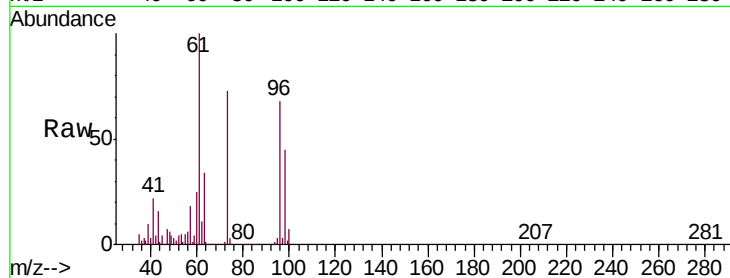




#19
Methyl tert-butyl Ether
Concen: 21.100 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

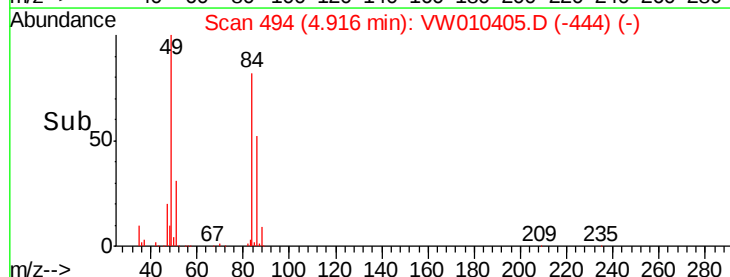
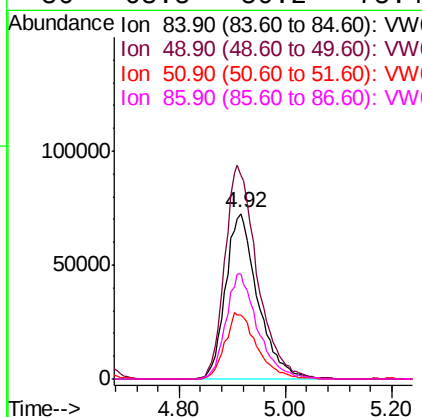
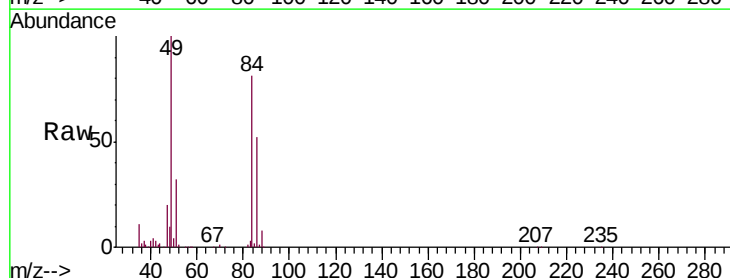
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

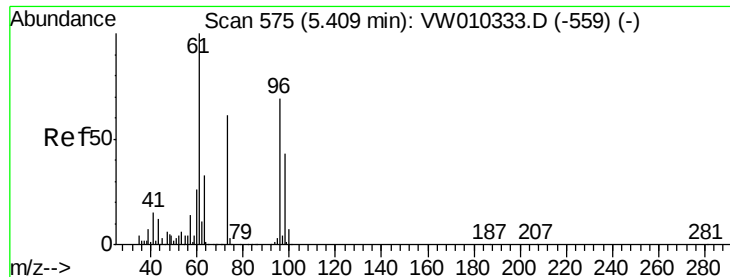
Tgt Ion: 73 Resp: 342813
Ion Ratio Lower Upper
73 100
57 24.3 18.5 27.7



#20
Methylene Chloride
Concen: 21.167 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion: 84 Resp: 306248
Ion Ratio Lower Upper
84 100
49 123.0 112.3 168.5
51 38.7 33.9 50.9
86 63.5 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.313 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

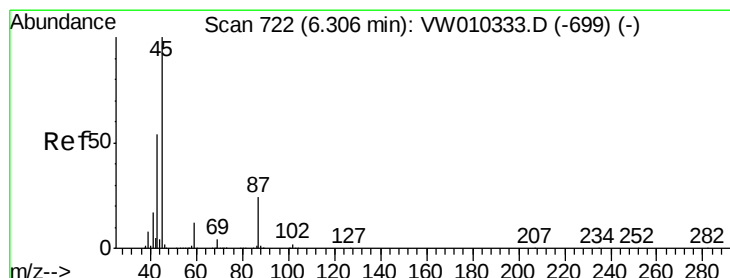
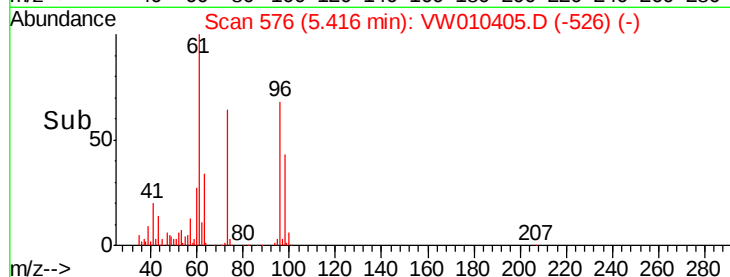
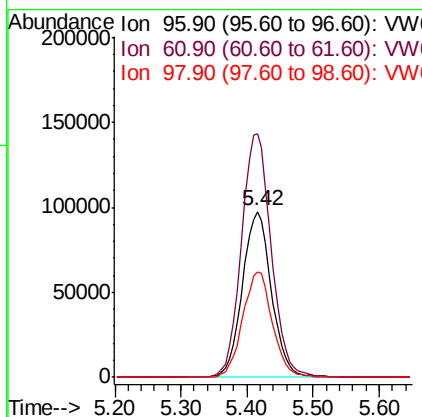
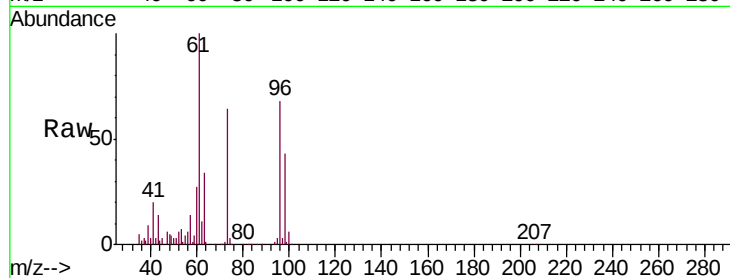
Tgt Ion: 96 Resp: 298416

Ion Ratio Lower Upper

96 100

61 146.7 122.3 183.5

98 63.7 50.5 75.7



#22

Diisopropyl ether

Concen: 23.596 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Tgt Ion: 45 Resp: 932959

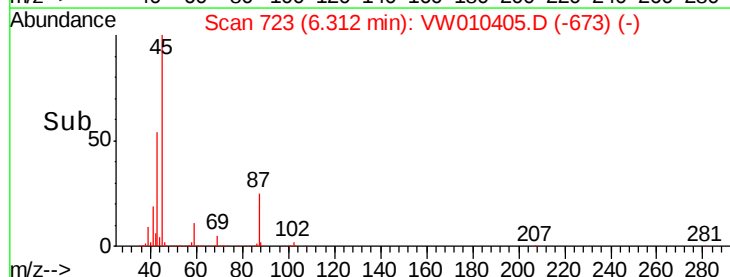
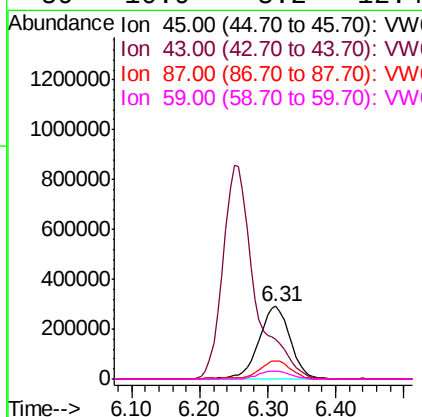
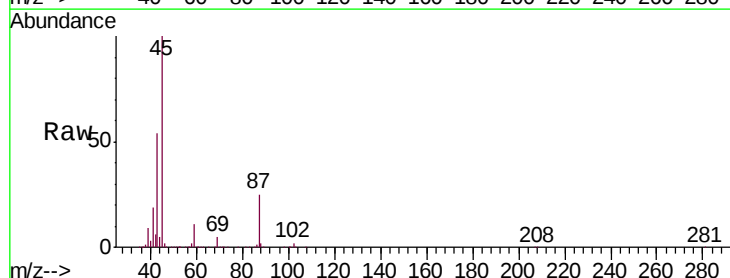
Ion Ratio Lower Upper

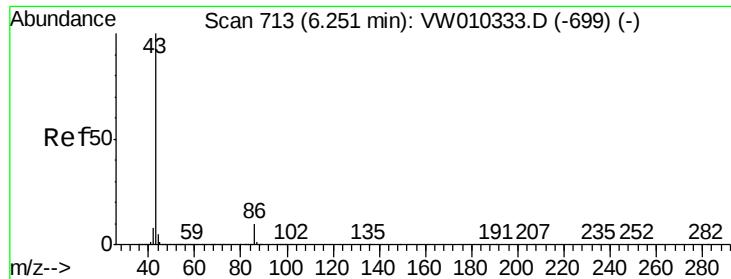
45 100

43 53.8 46.1 69.1

87 24.7 18.3 27.5

59 10.9 8.2 12.4

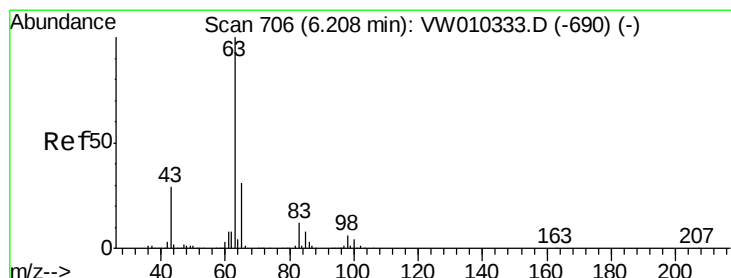
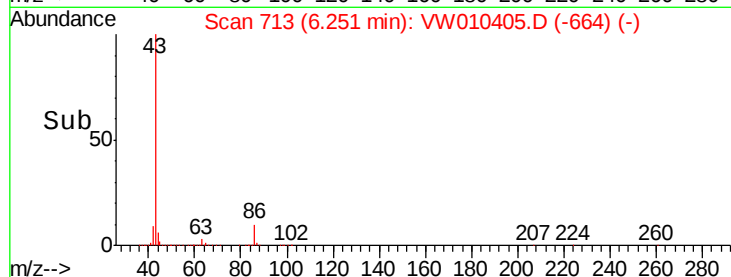
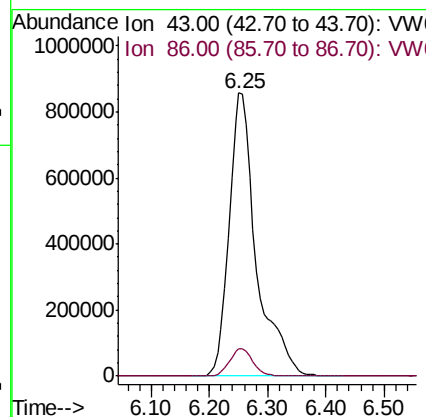
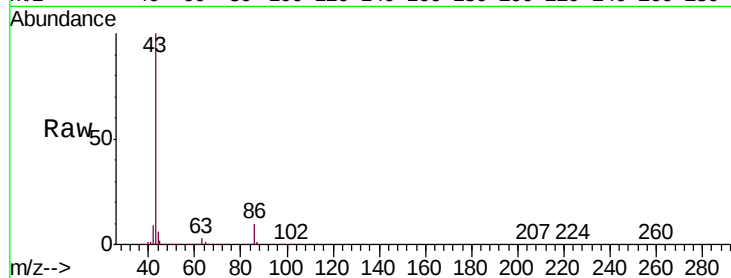




#23
 Vinyl Acetate
 Concen: 102.815 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

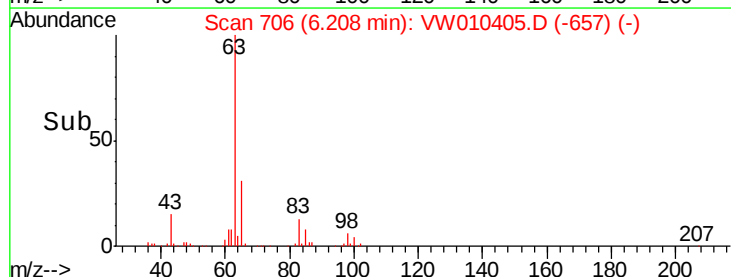
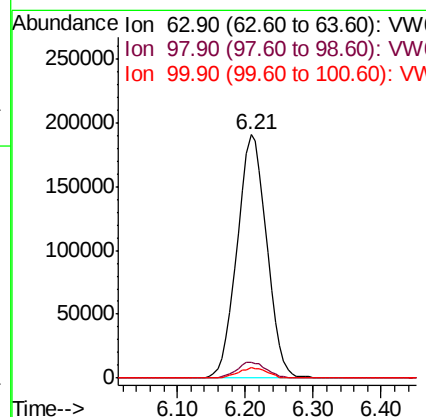
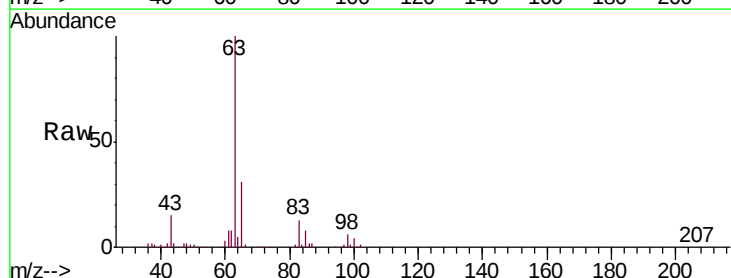
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

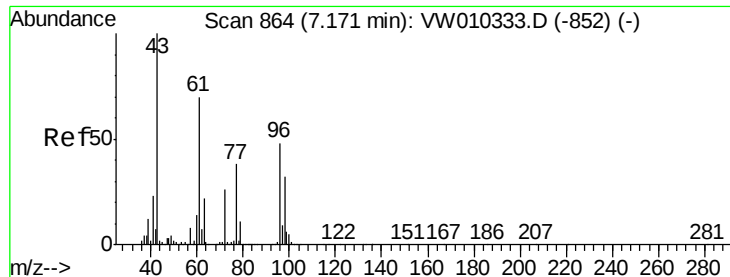
Tgt Ion: 43 Resp: 2791309
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 21.666 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion: 63 Resp: 576732
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.3 9.8
 100 4.5 2.0 6.0





#25

2-Butanone

Concen: 85.739 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

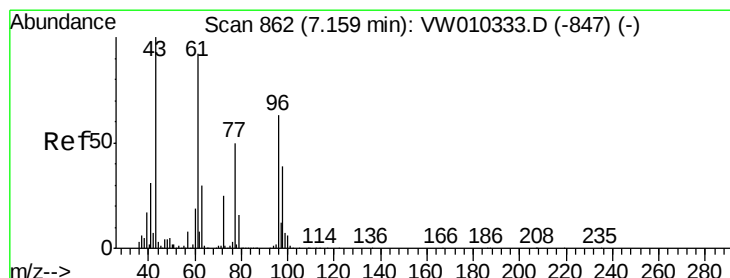
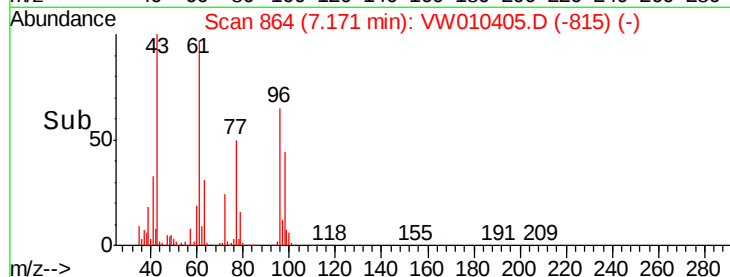
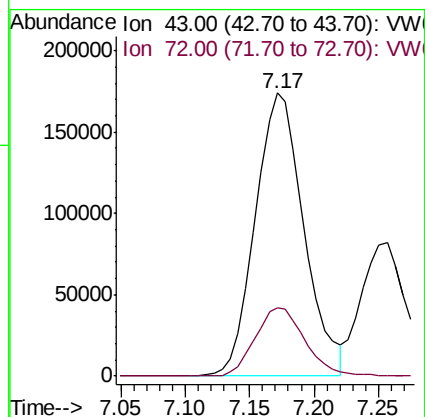
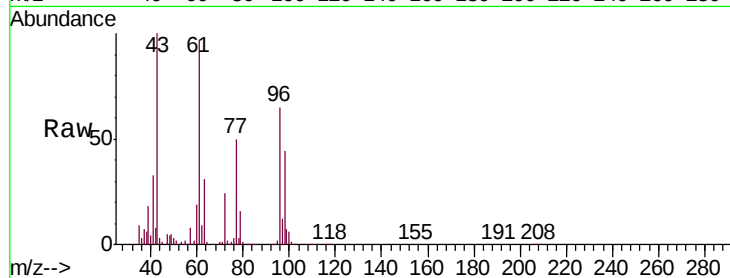
VW0512SBSD01

Tgt Ion: 43 Resp: 454988

Ion Ratio Lower Upper

43 100

72 24.0 19.1 28.7



#26

2,2-Dichloropropane

Concen: 20.981 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW010405.D

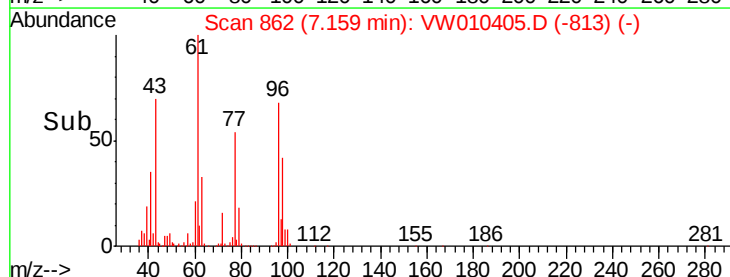
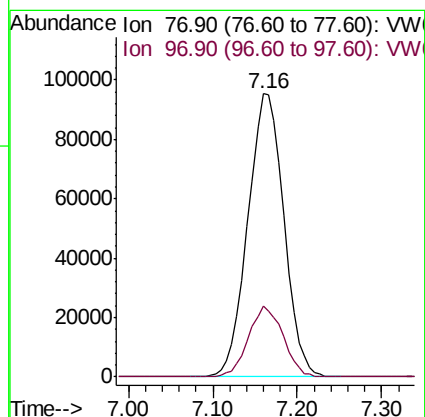
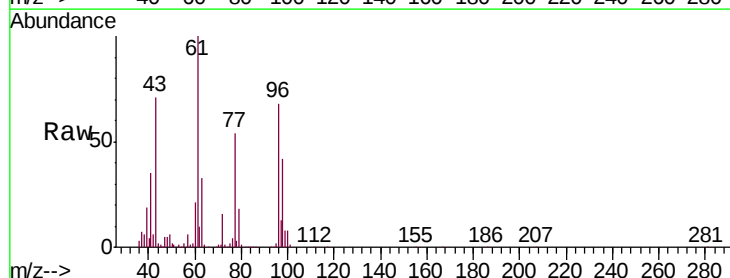
Acq: 12 May 2019 13:47

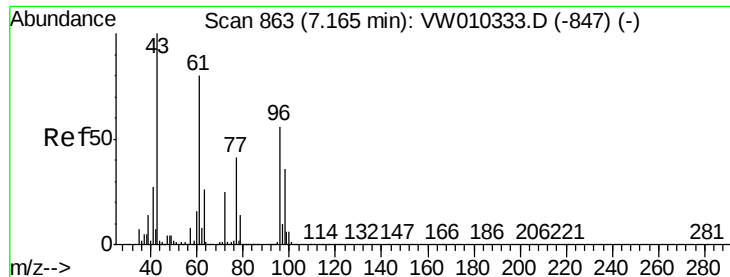
Tgt Ion: 77 Resp: 277885

Ion Ratio Lower Upper

77 100

97 24.0 11.3 33.9



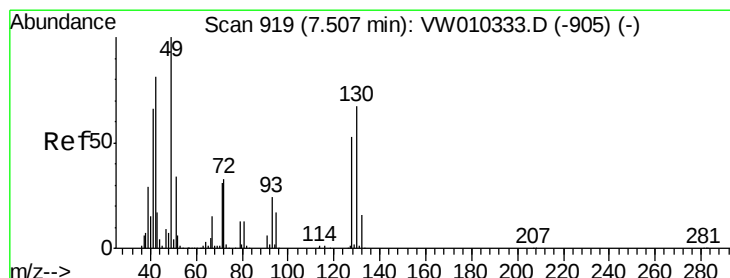
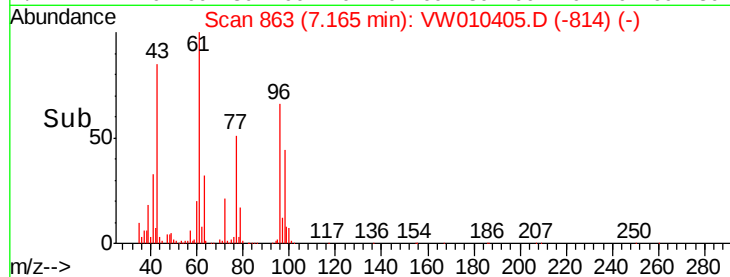
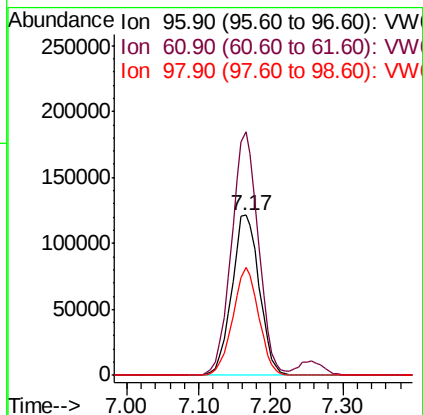
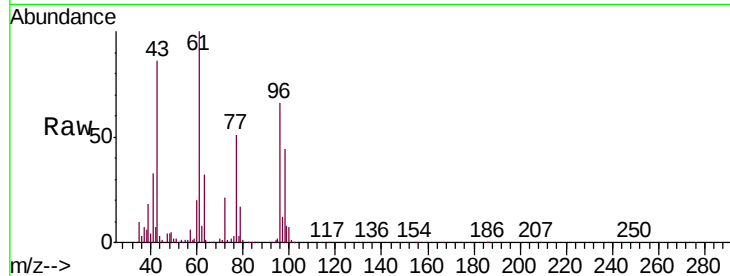


#27

cis-1,2-Dichloroethene
Concen: 21.292 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

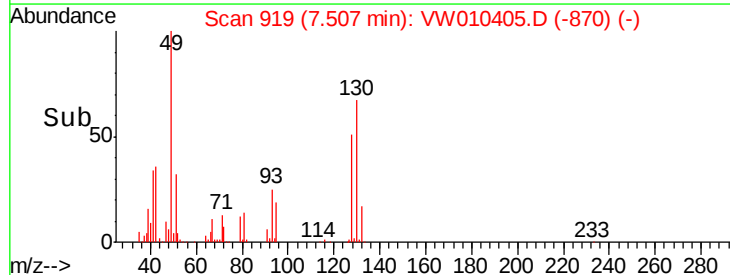
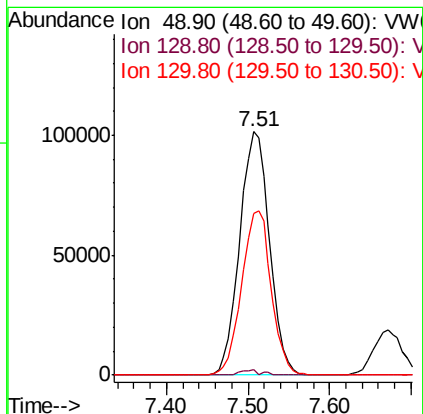
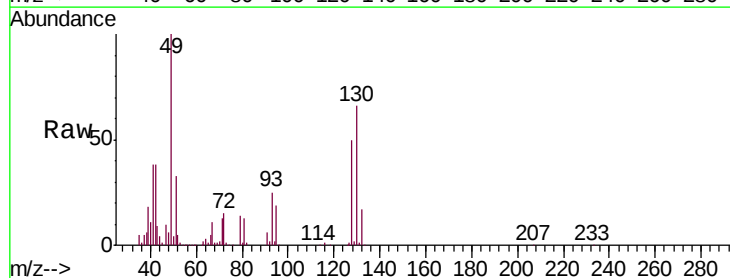
Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	309.4
98	63.7	0.0	128.6

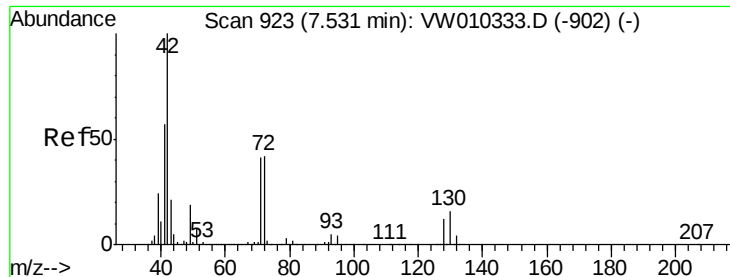


#28

Bromochloromethane
Concen: 26.250 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	66.9	54.6	82.0





#29

Tetrahydrofuran

Concen: 85.755 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

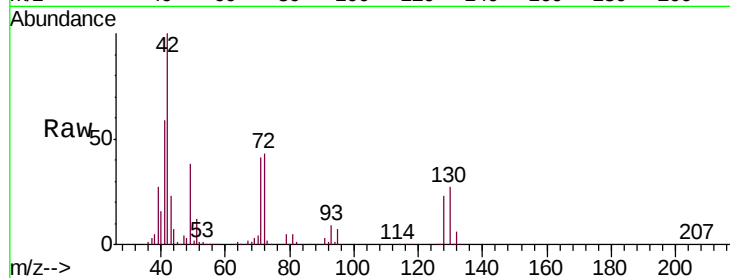
Tgt Ion: 42 Resp: 294342

Ion Ratio Lower Upper

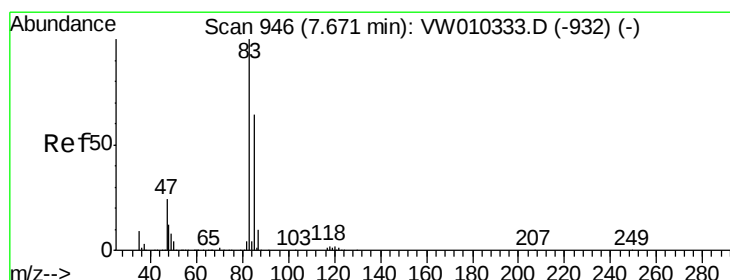
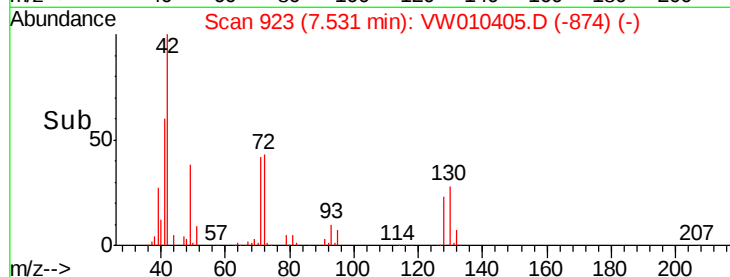
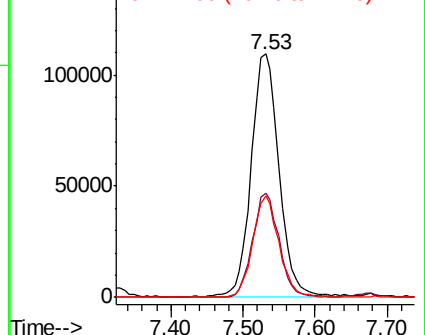
42 100

72 40.9 31.0 46.6

71 39.0 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: 22.411 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010405.D

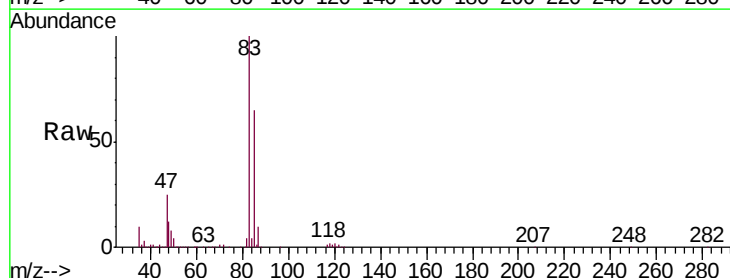
Acq: 12 May 2019 13:47

Tgt Ion: 83 Resp: 558302

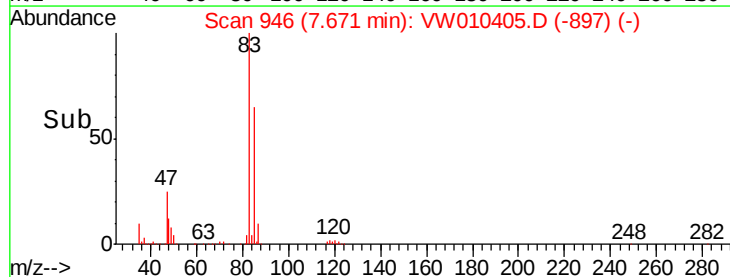
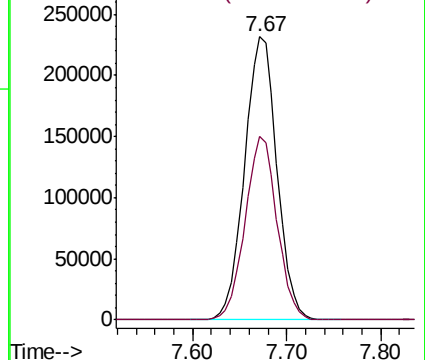
Ion Ratio Lower Upper

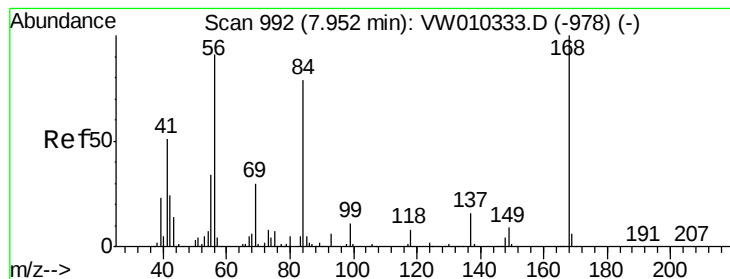
83 100

85 64.7 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: 20.102 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

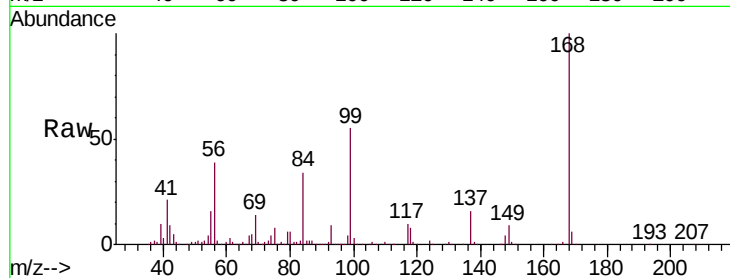
Tgt Ion: 56 Resp: 547897

Ion Ratio Lower Upper

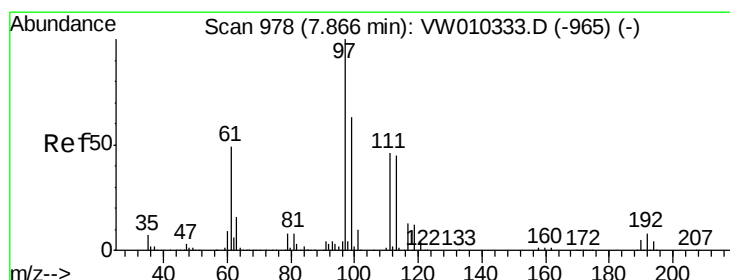
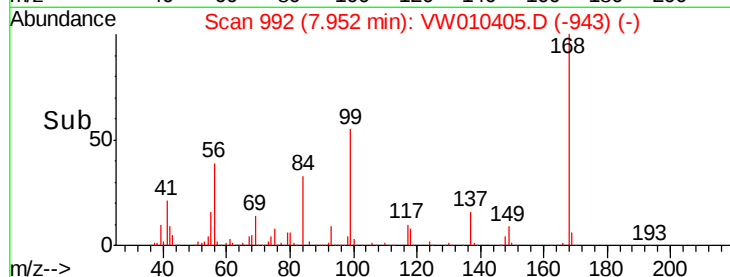
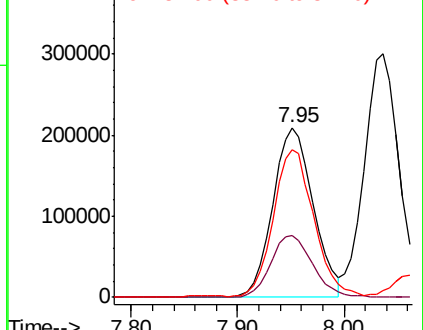
56 100

69 36.8 26.6 40.0

84 85.9 66.2 99.2



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



#32

1,1,1-Trichloroethane

Concen: 21.372 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

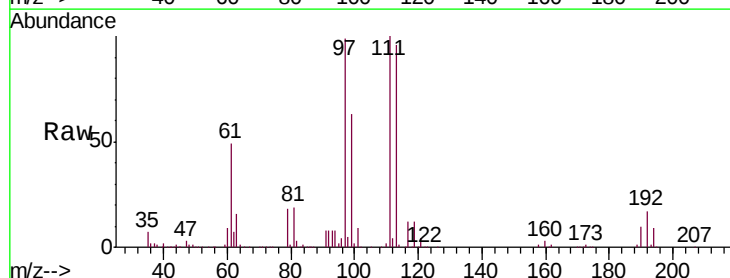
Tgt Ion: 97 Resp: 412404

Ion Ratio Lower Upper

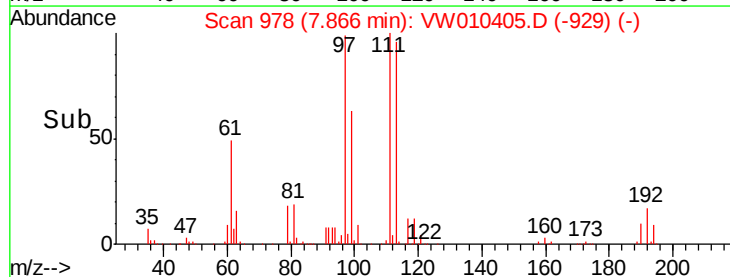
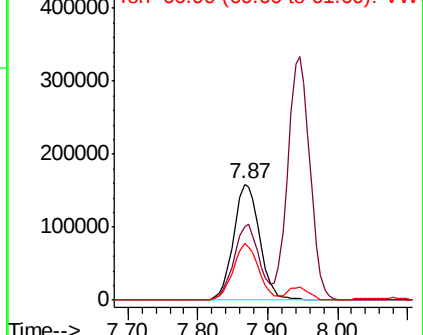
97 100

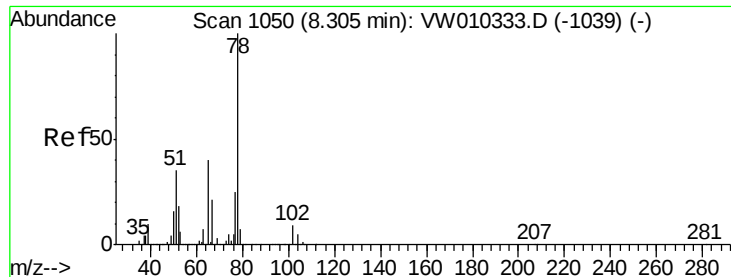
99 62.6 50.2 75.2

61 47.6 38.2 57.2



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





#33

1,2-Dichloroethane-d4

Concen: 51.421 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

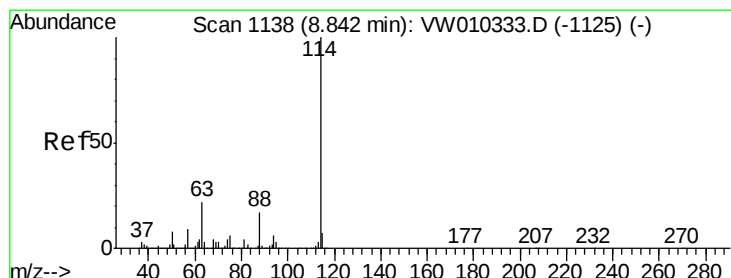
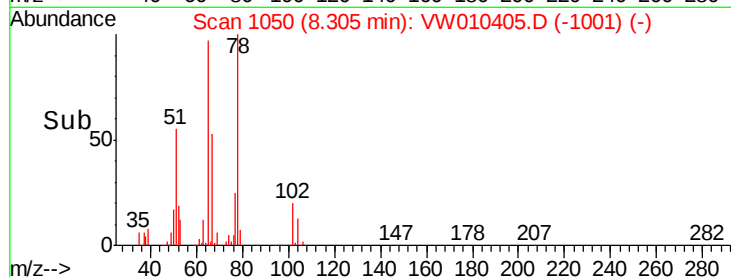
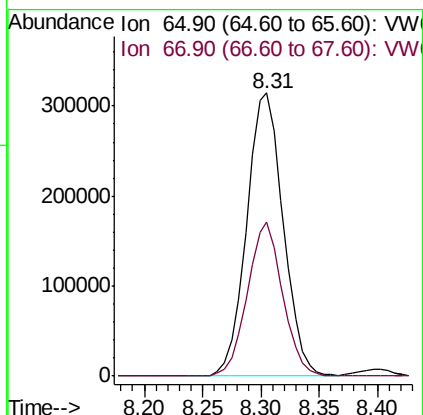
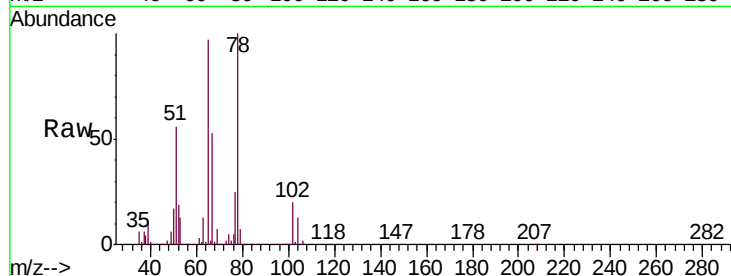
VW0512SBSD01

Tgt Ion: 65 Resp: 684229

Ion Ratio Lower Upper

65 100

67 52.5 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: VW010405.D

Acq: 12 May 2019 13:47

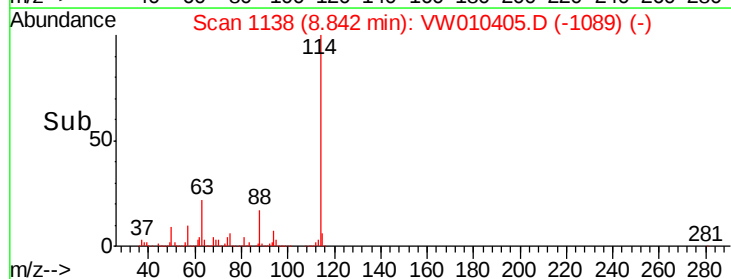
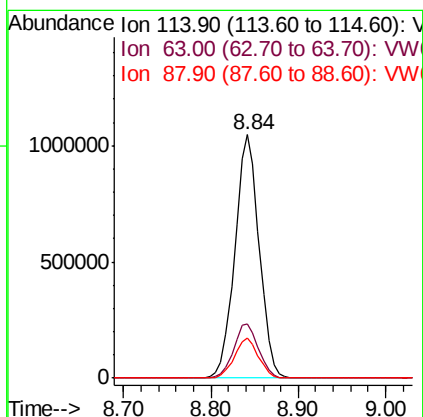
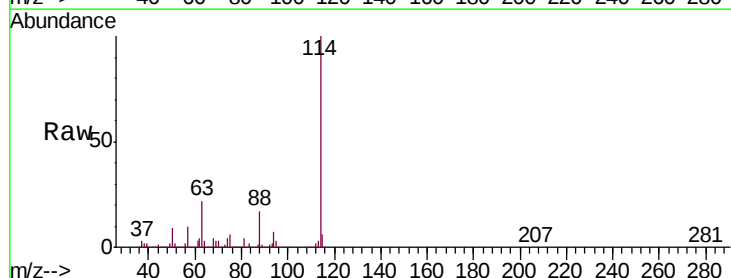
Tgt Ion: 114 Resp: 2009753

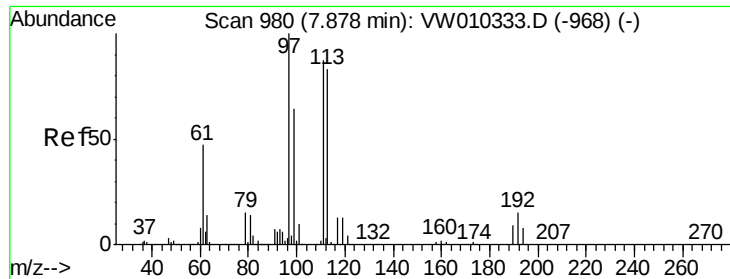
Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.2

88 16.6 0.0 32.6

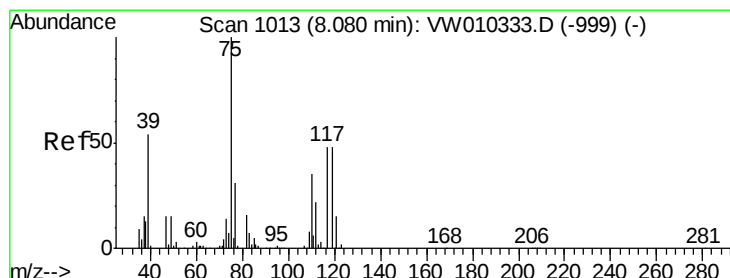
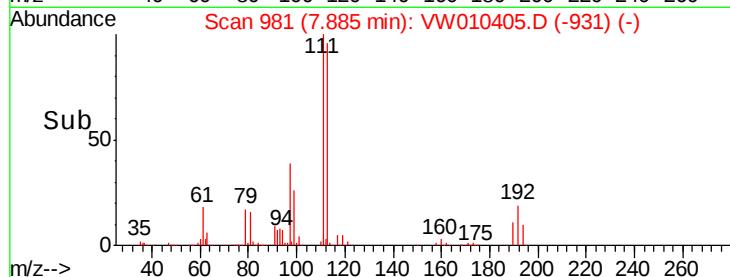
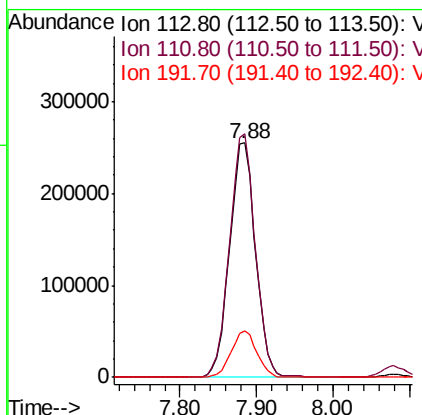
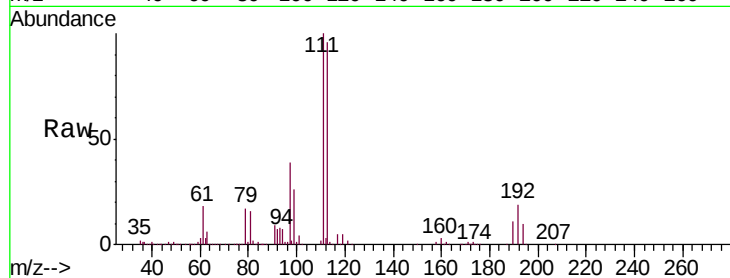




#35
 Dibromofluoromethane
 Concen: 50.855 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

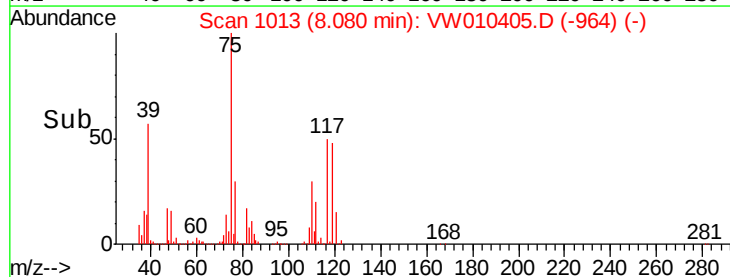
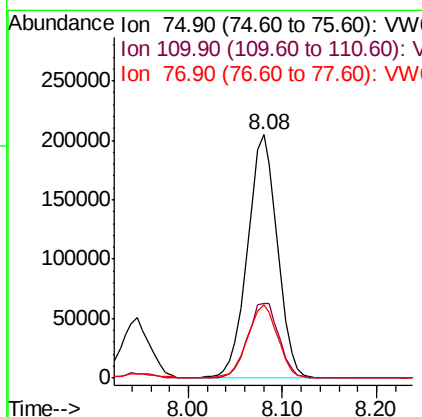
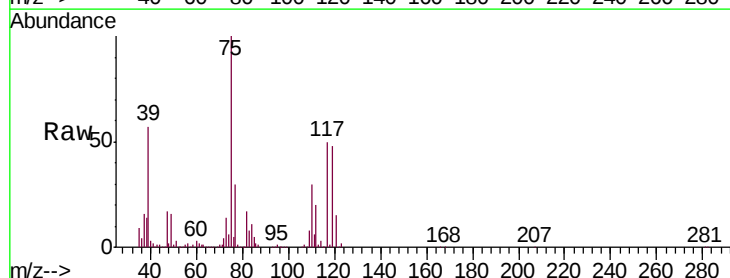
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

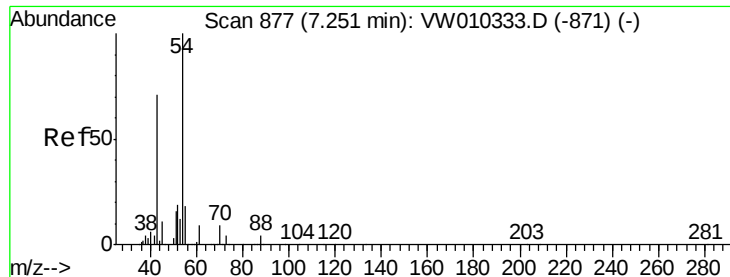
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	123.8
192	19.5	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 20.887 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.6	49.8
77	30.7	24.8	37.2

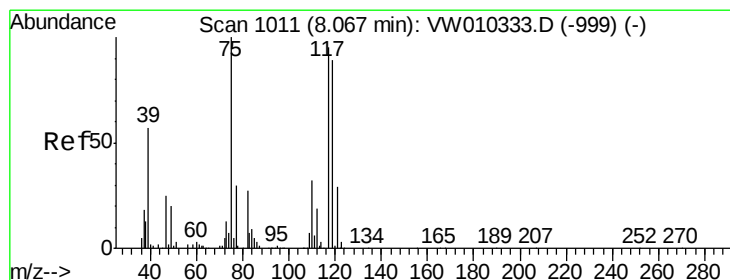
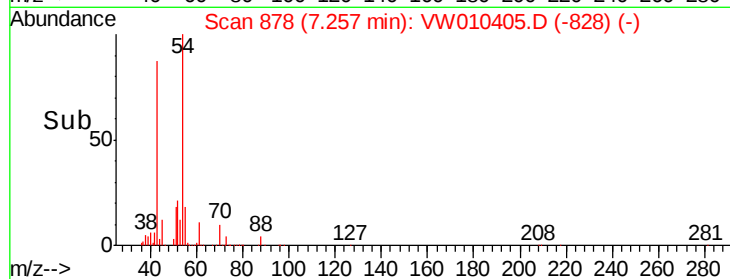
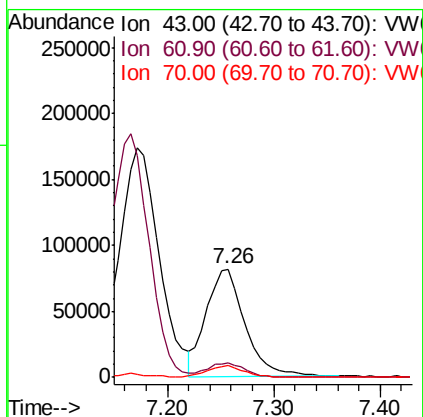
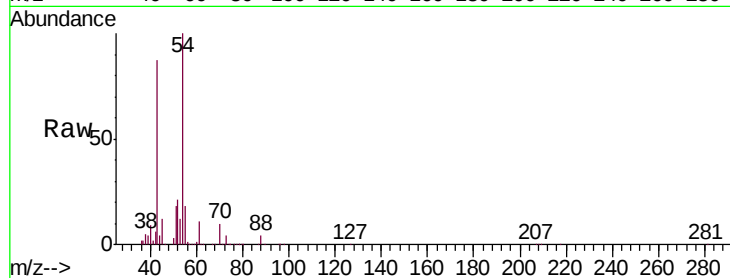




#37
Ethyl Acetate
Concen: 17.744 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

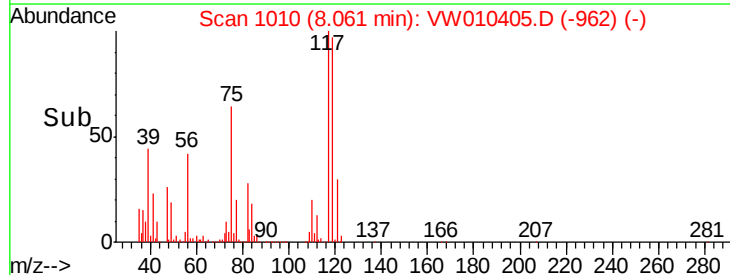
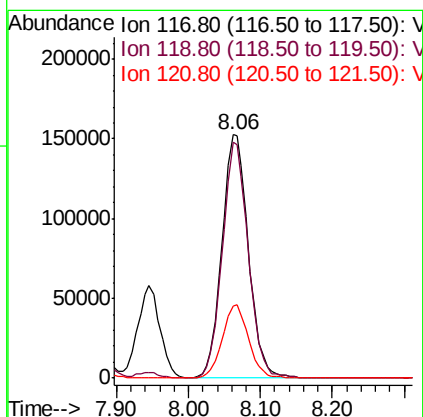
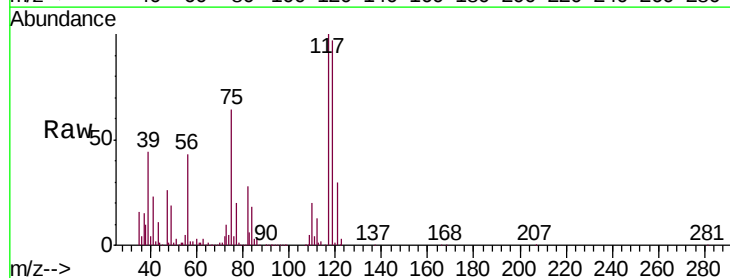
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

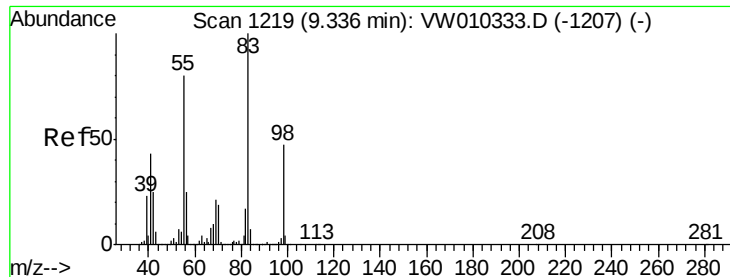
Tgt Ion:	43	Resp:	205870
Ion	Ratio	Lower	Upper
43	100		
61	12.7	9.8	14.8
70	10.6	7.4	11.0



#38
Carbon Tetrachloride
Concen: 20.881 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion:	117	Resp:	390054
Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.3	112.9
121	29.6	24.4	36.6

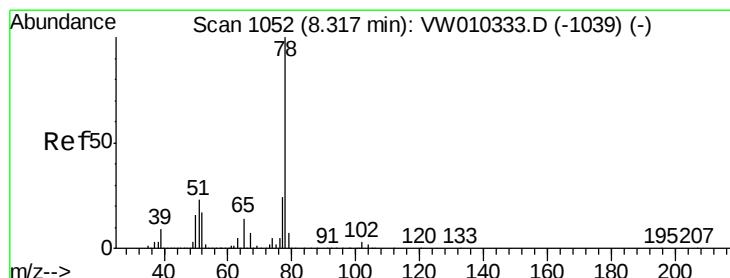
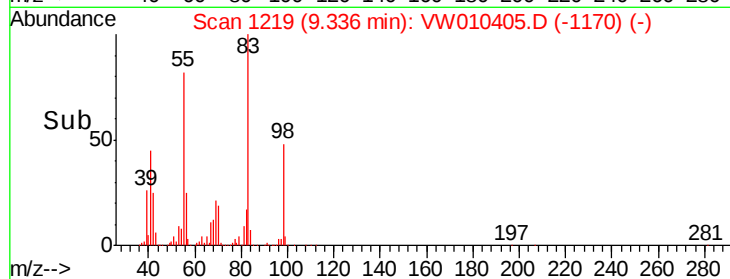
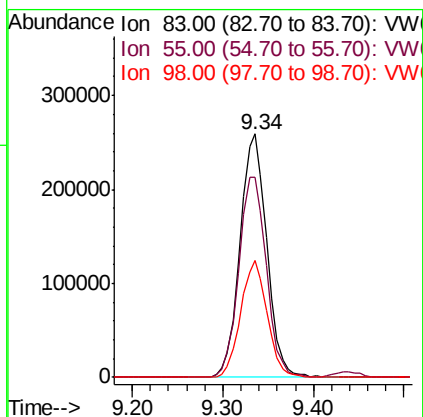
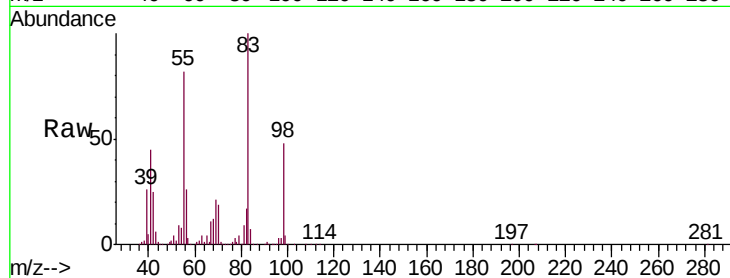




#39
Methylcyclohexane
Concen: 19.883 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

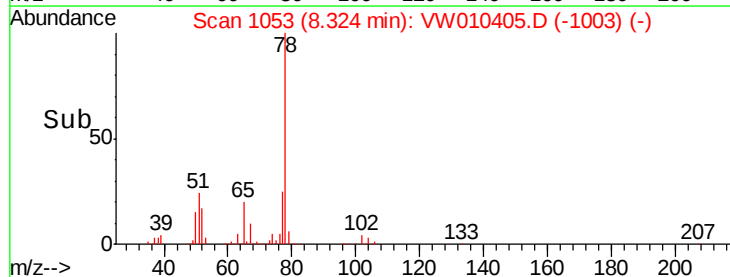
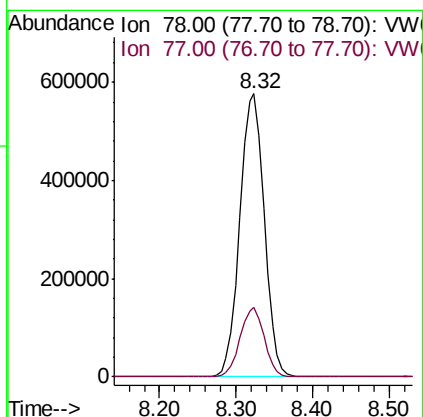
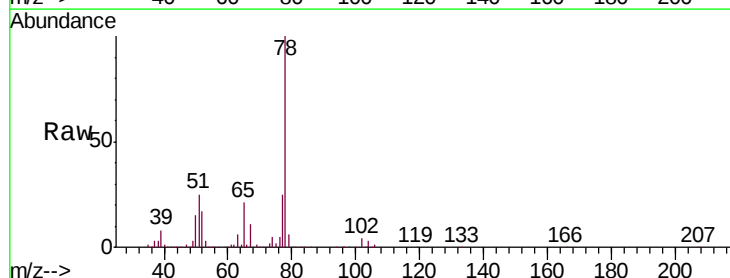
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

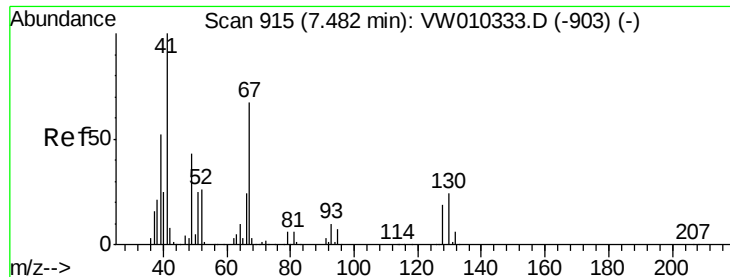
Tgt Ion: 83 Resp: 530018
Ion Ratio Lower Upper
83 100
55 82.0 67.1 100.7
98 47.9 39.2 58.8



#40
Benzene
Concen: 21.398 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion: 78 Resp: 1277020
Ion Ratio Lower Upper
78 100
77 24.8 19.1 28.7

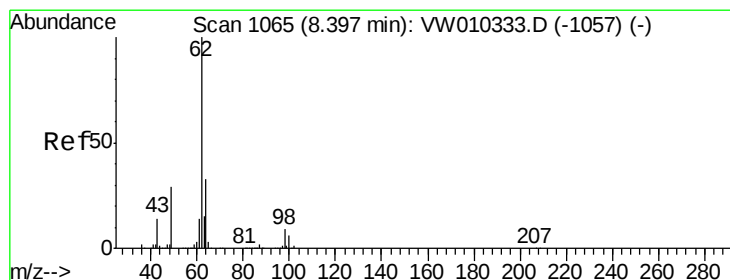
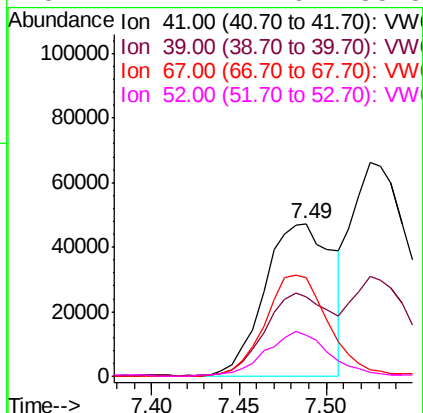
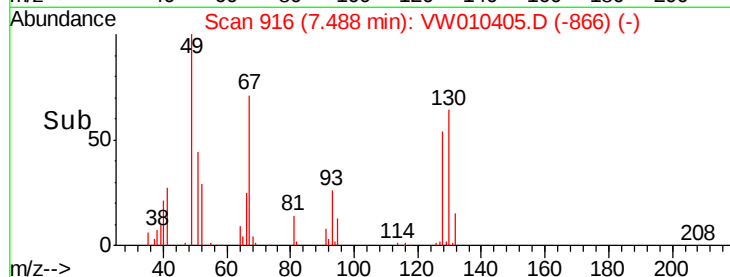
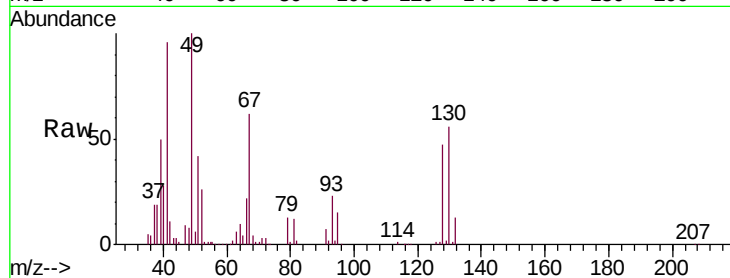




#41
Methacrylonitrile
Concen: 19.664 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

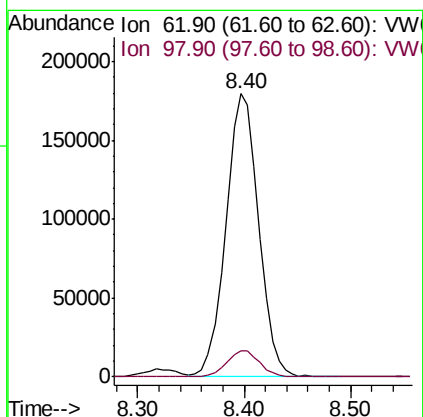
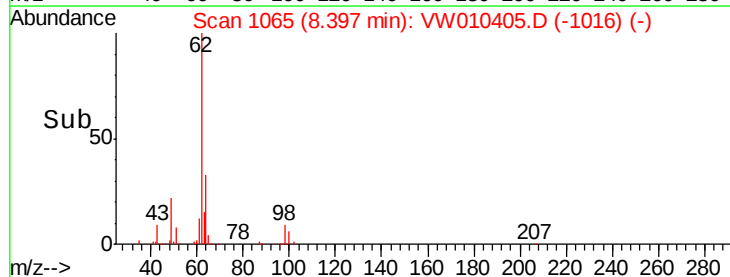
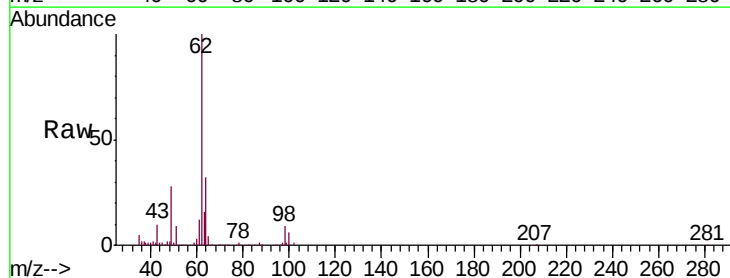
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

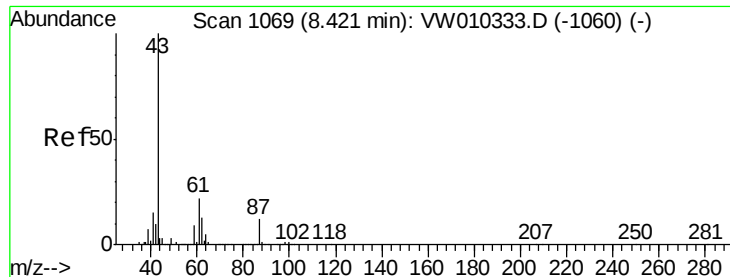
Tgt Ion:	41	Resp:	127950
Ion	Ratio	Lower	Upper
41	100		
39	52.4	45.0	67.4
67	63.2	50.7	76.1
52	27.4	22.6	33.8



#42
1,2-Dichloroethane
Concen: 22.544 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion:	62	Resp:	385094
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	16.6





#43

Isopropyl Acetate

Concen: 18.698 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

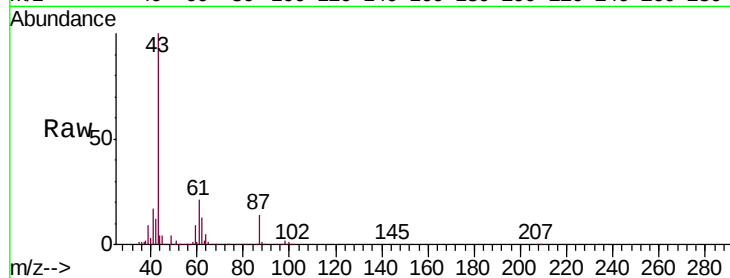
Tgt Ion: 43 Resp: 359791

Ion Ratio Lower Upper

43 100

61 31.6 23.0 34.6

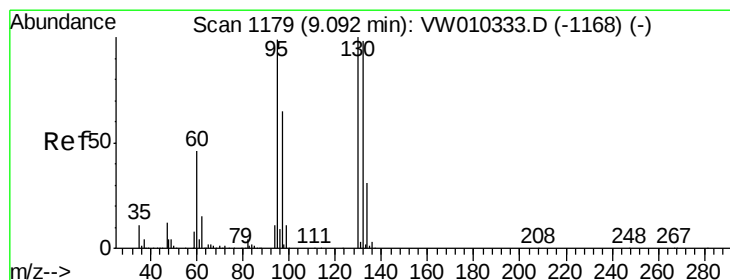
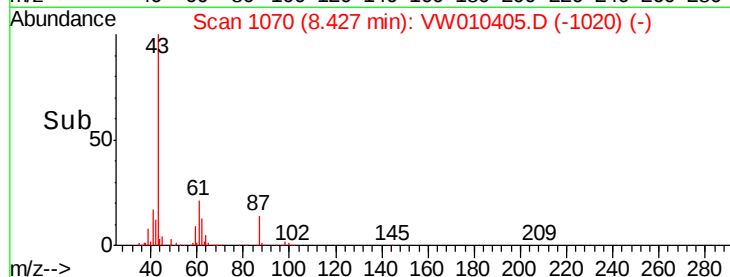
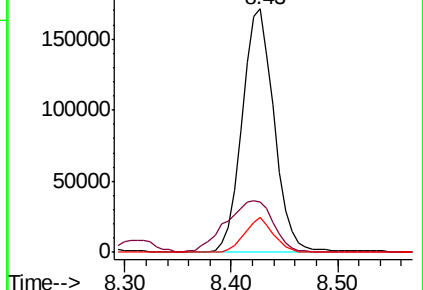
87 12.9 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.619 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010405.D

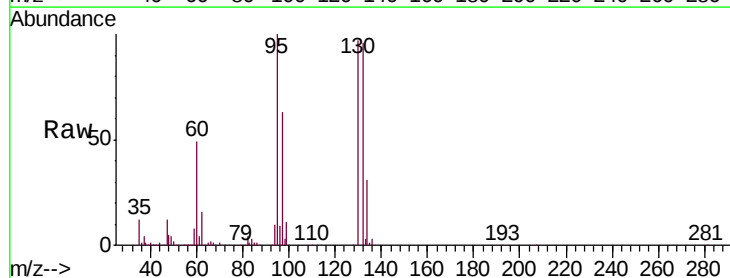
Acq: 12 May 2019 13:47

Tgt Ion: 130 Resp: 308062

Ion Ratio Lower Upper

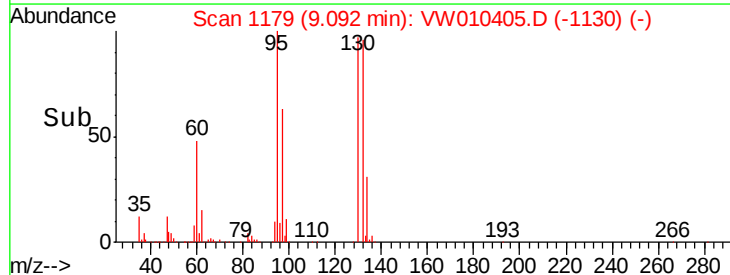
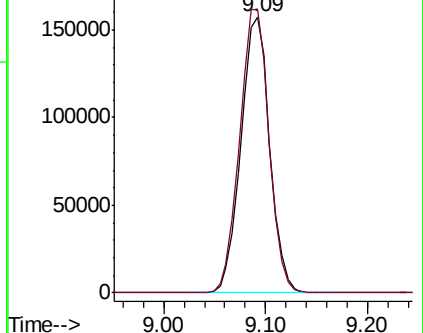
130 100

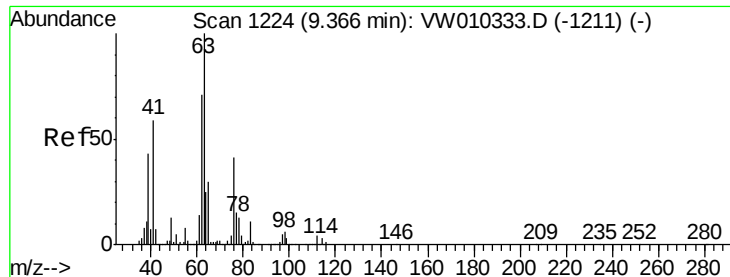
95 102.6 0.0 205.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

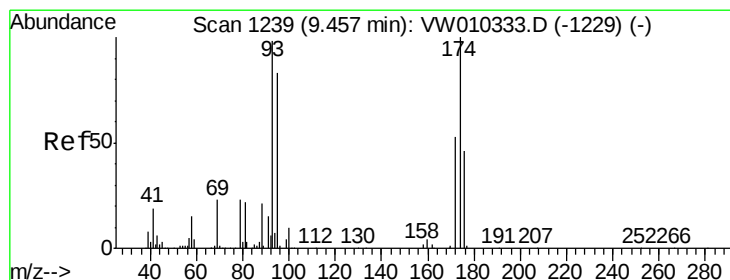
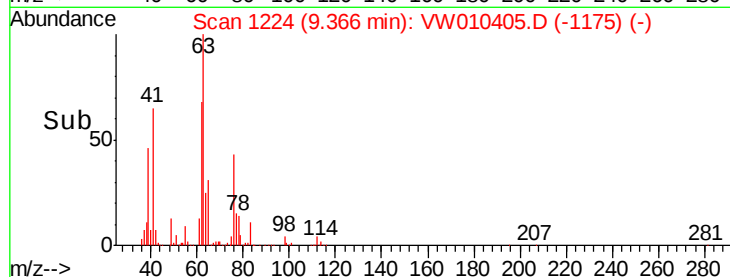
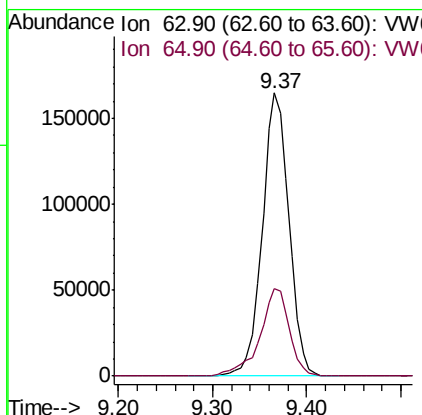
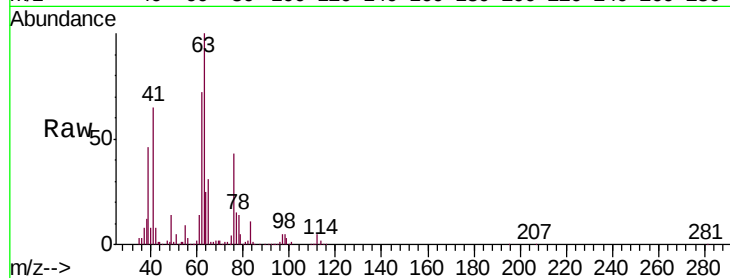




#45
 1,2-Dichloropropane
 Concen: 22.110 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

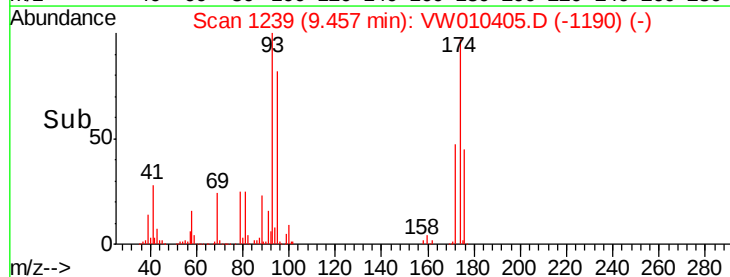
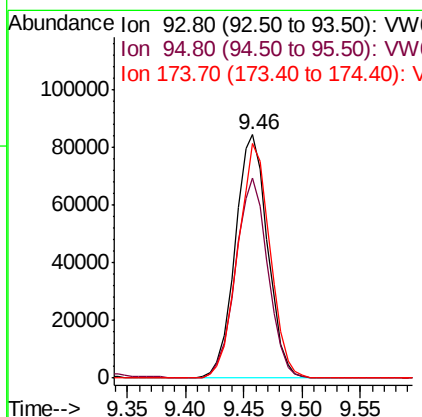
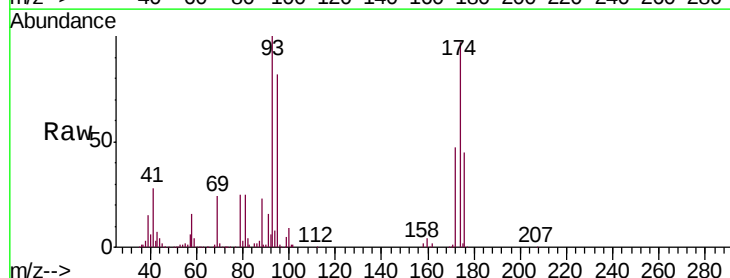
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

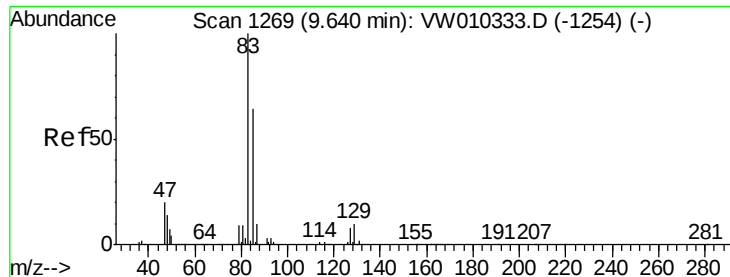
Tgt Ion: 63 Resp: 327987
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.8 35.6



#46
 Dibromomethane
 Concen: 21.388 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion: 93 Resp: 163910
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.8 98.8
 174 95.5 75.5 113.3





#47

Bromodichloromethane

Concen: 22.220 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

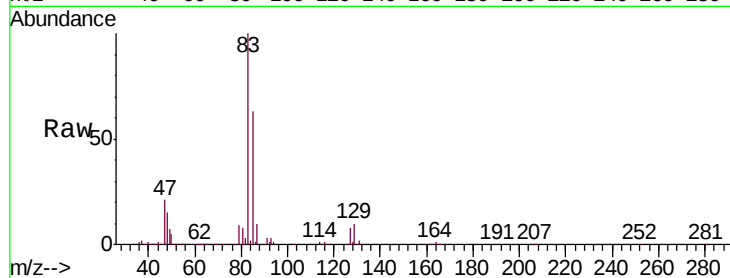
Tgt Ion: 83 Resp: 408475

Ion Ratio Lower Upper

83 100

85 62.9 50.6 75.8

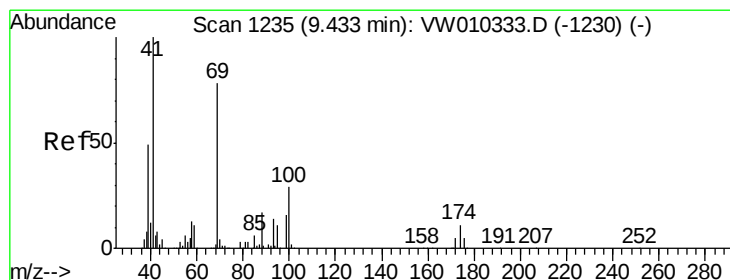
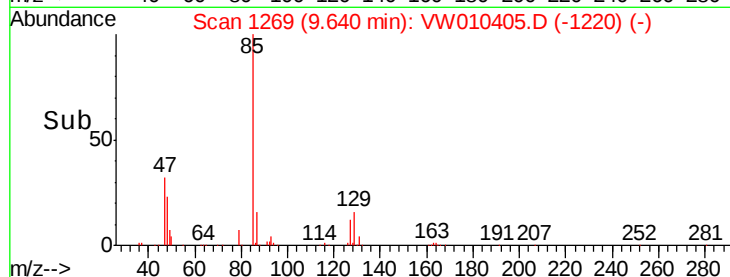
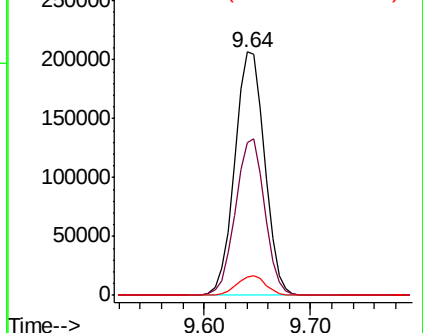
127 7.7 6.6 10.0



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): VW



#48

Methyl methacrylate

Concen: 19.129 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

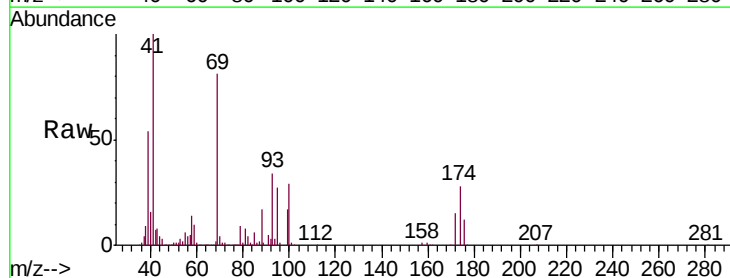
Tgt Ion: 41 Resp: 174042

Ion Ratio Lower Upper

41 100

69 85.3 60.1 90.1

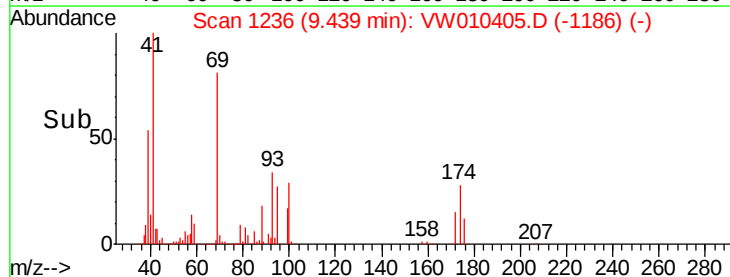
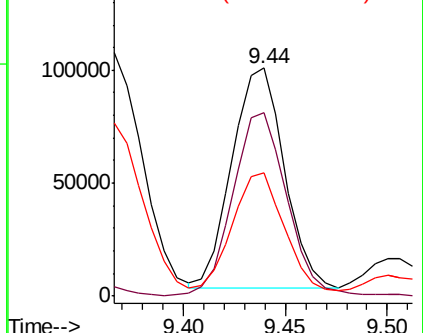
39 52.5 51.0 76.6

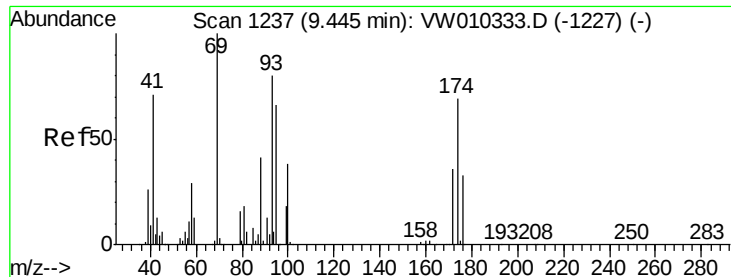


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

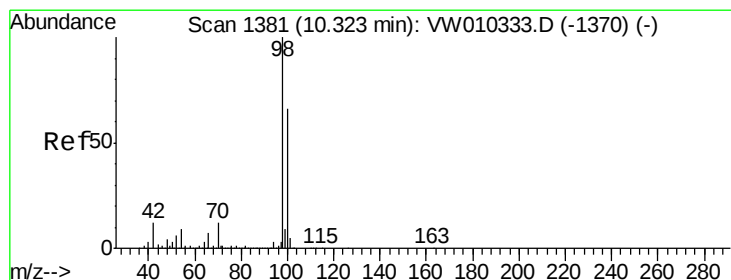
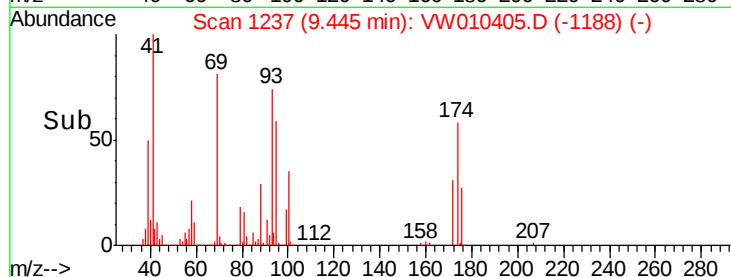
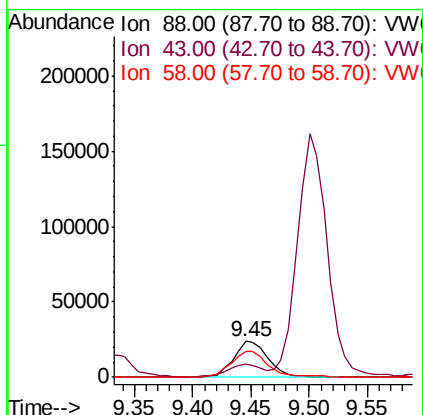
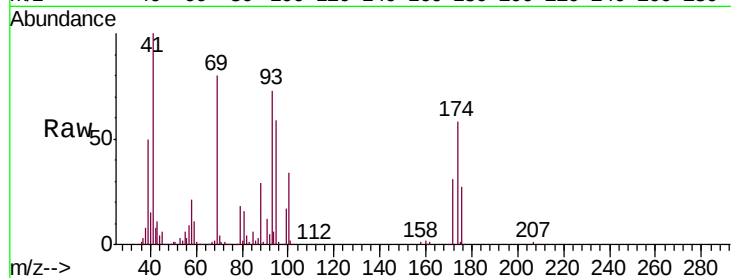




#49
1,4-Dioxane
Concen: 368.670 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

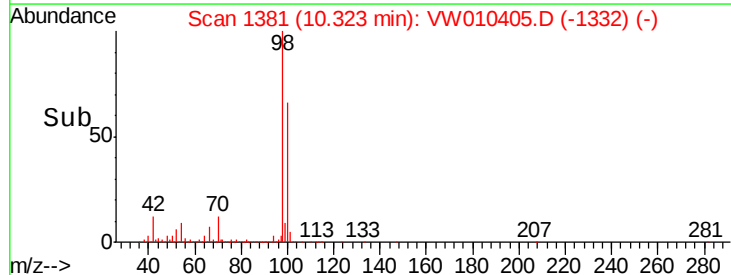
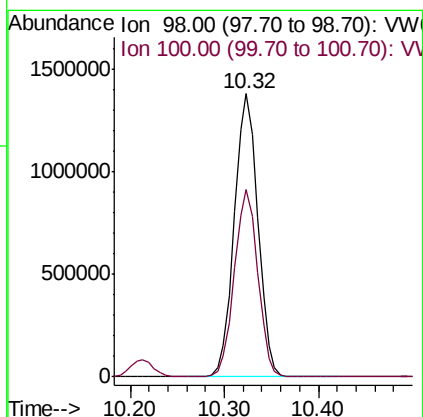
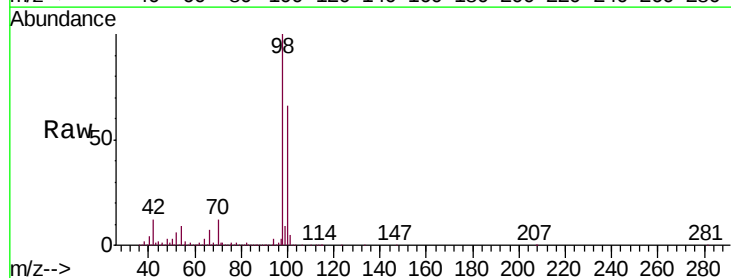
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

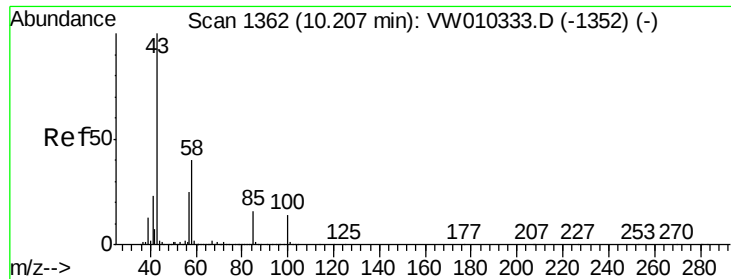
Tgt Ion: 88 Resp: 49271
Ion Ratio Lower Upper
88 100
43 33.7 31.9 47.9
58 76.9 61.8 92.6



#50
Toluene-d8
Concen: 50.112 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion: 98 Resp: 2399884
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5

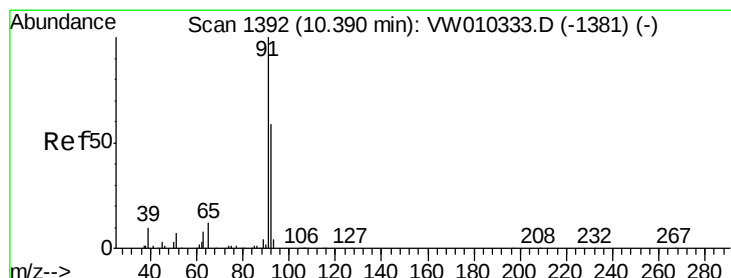
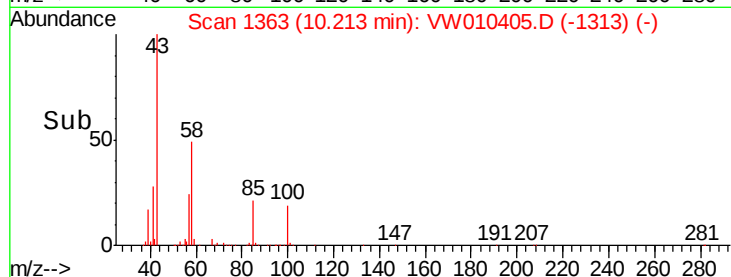
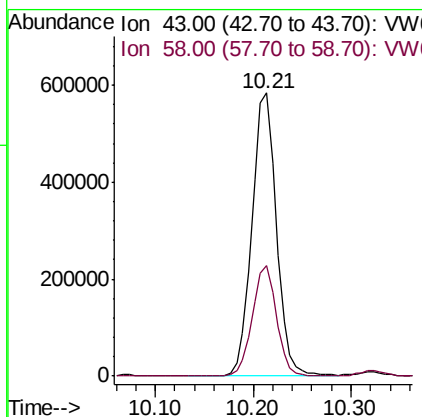
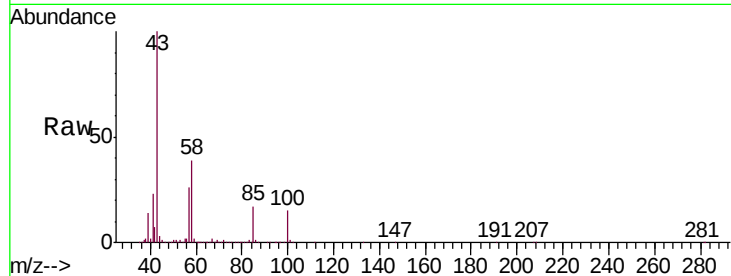




#51
 4-Methyl-2-Pentanone
 Concen: 92.202 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

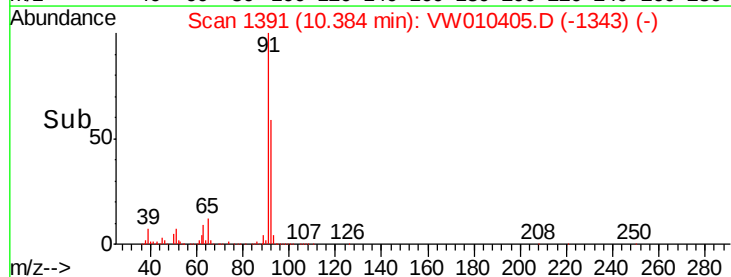
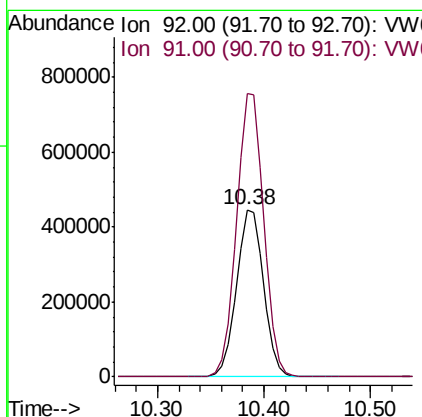
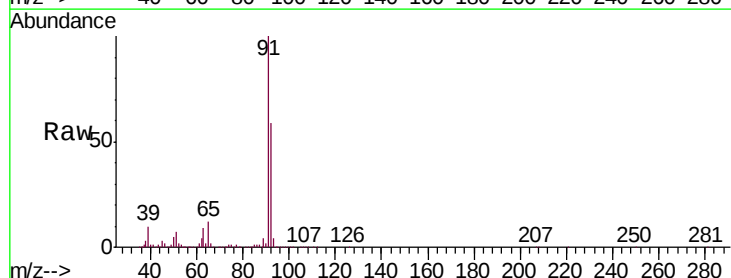
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

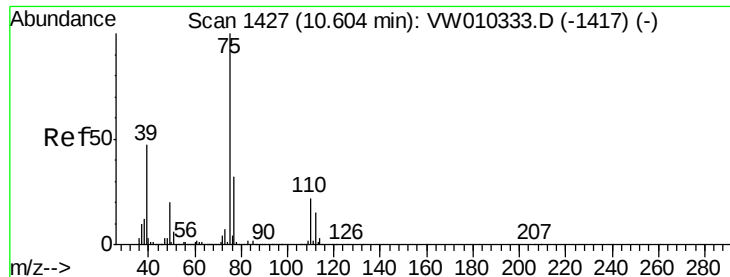
Tgt Ion: 43 Resp: 1017330
 Ion Ratio Lower Upper
 43 100
 58 38.7 28.9 43.3



#52
 Toluene
 Concen: 21.752 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion: 92 Resp: 793420
 Ion Ratio Lower Upper
 92 100
 91 171.4 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 21.413 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

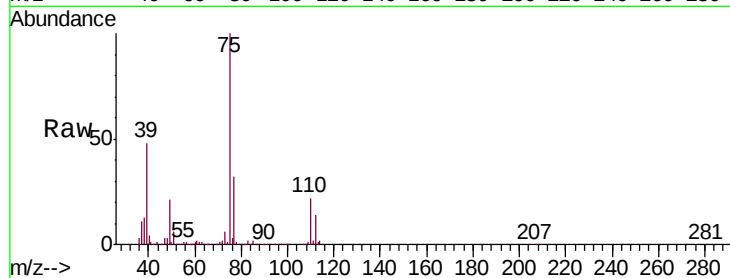
VW0512SBSD01

Tgt Ion: 75 Resp: 398729

Ion Ratio Lower Upper

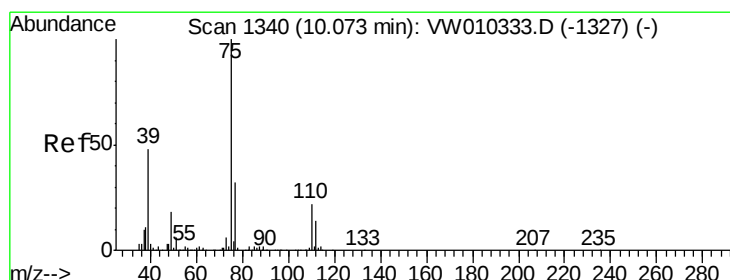
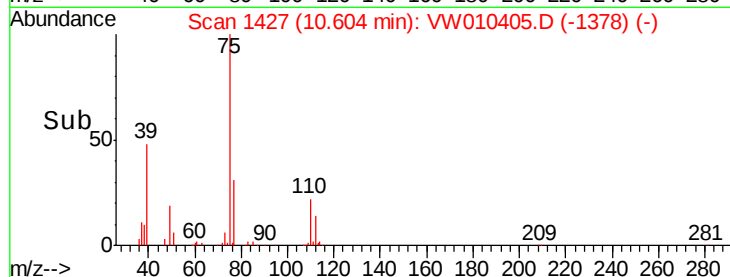
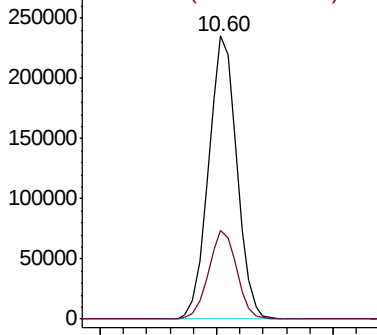
75 100

77 31.5 26.9 40.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 21.581 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

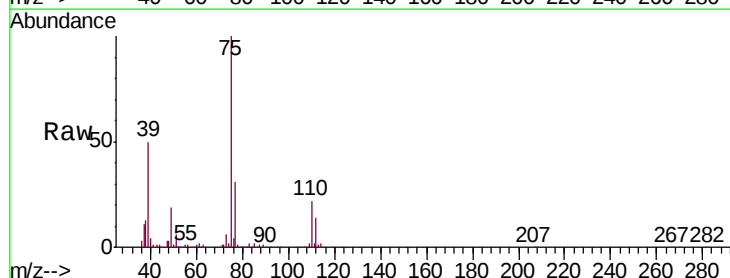
Tgt Ion: 75 Resp: 475918

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4

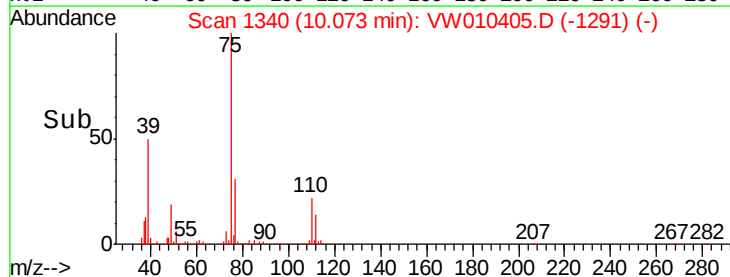
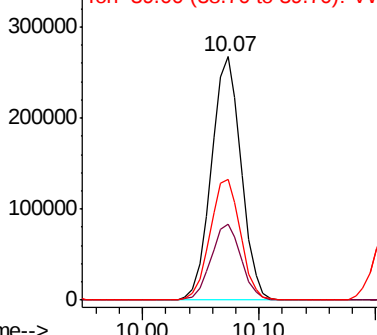
39 49.6 47.8 71.6

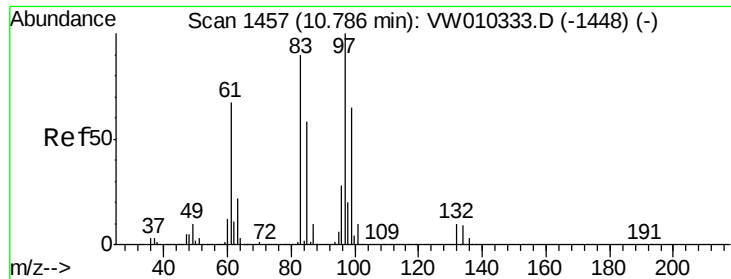


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

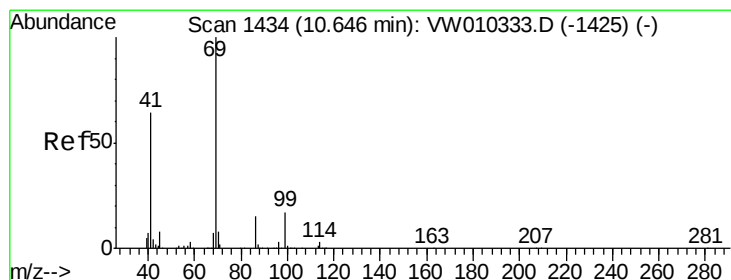
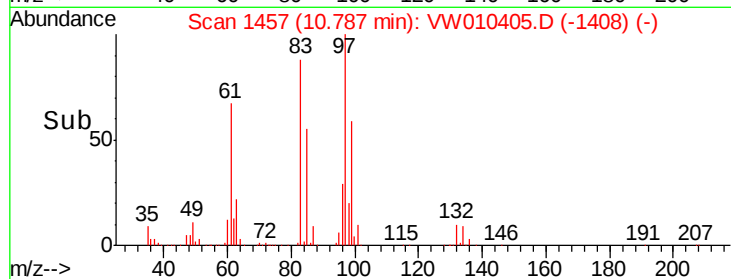
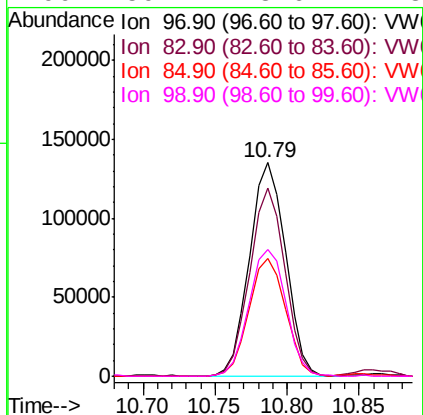
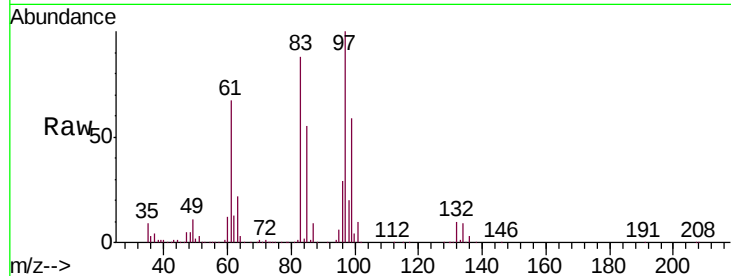




#55
 1,1,2-Trichloroethane
 Concen: 21.589 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

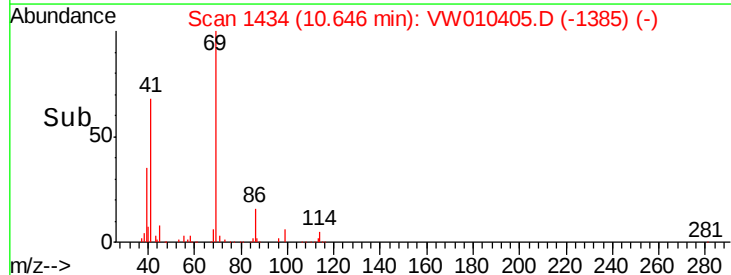
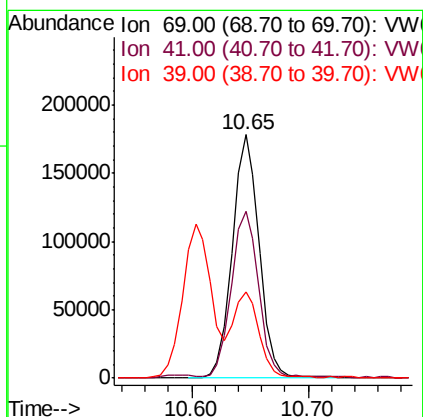
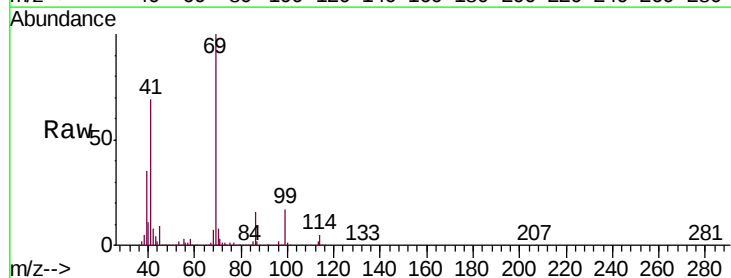
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

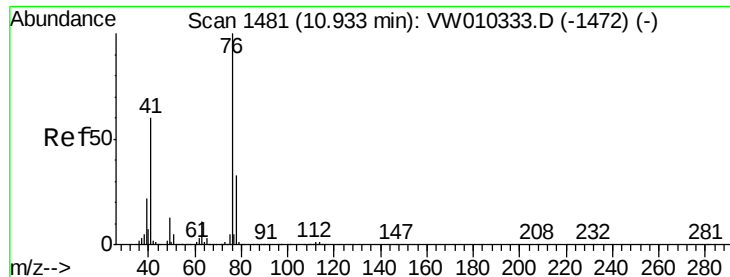
Tgt Ion:	97	Resp:	234996
Ion	Ratio	Lower	Upper
97	100		
83	88.0	68.9	103.3
85	54.9	42.9	64.3
99	59.4	48.6	72.8



#56
 Ethyl methacrylate
 Concen: 19.829 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion:	69	Resp:	285023
Ion	Ratio	Lower	Upper
69	100		
41	69.4	61.0	91.6
39	33.7	33.8	50.6#





#57

1,3-Dichloropropane

Concen: 21.701 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

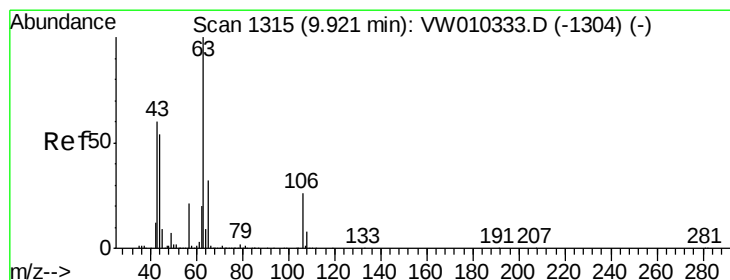
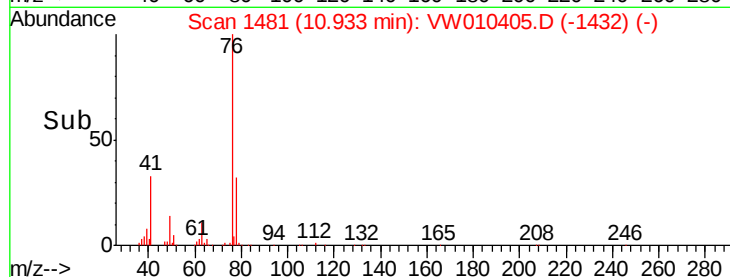
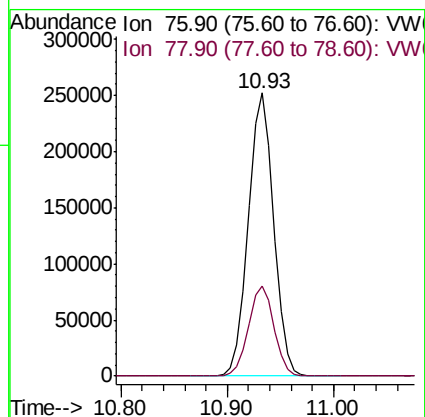
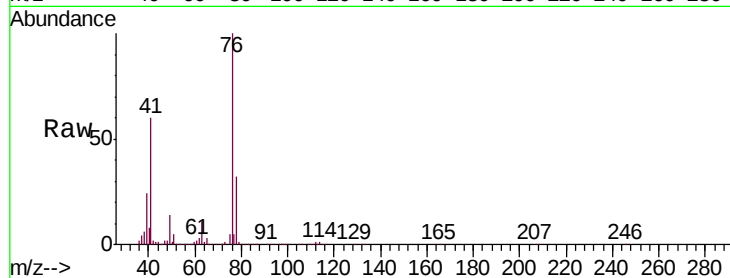
VW0512SBSD01

Tgt Ion: 76 Resp: 422268

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 119.134 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW010405.D

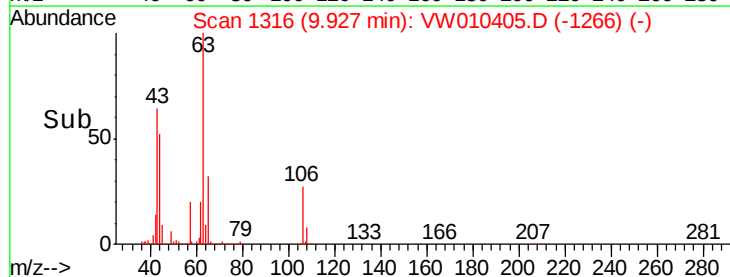
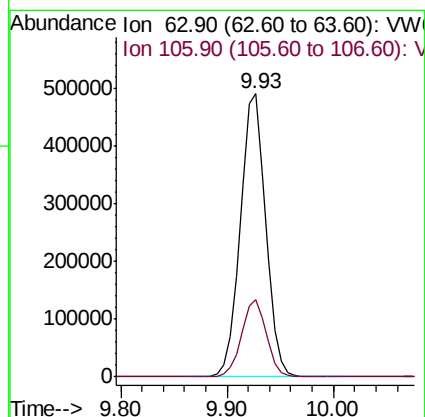
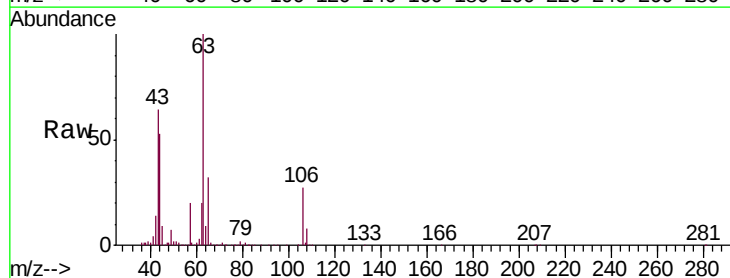
Acq: 12 May 2019 13:47

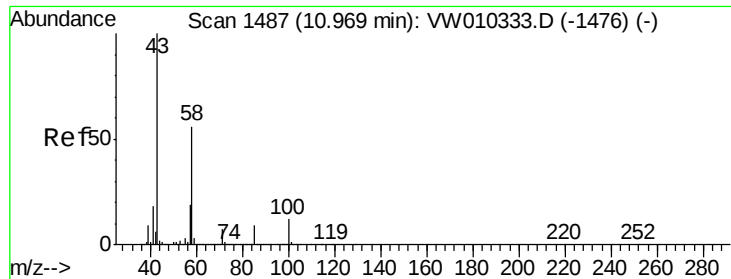
Tgt Ion: 63 Resp: 819871

Ion Ratio Lower Upper

63 100

106 26.7 21.4 32.0





#59

2-Hexanone

Concen: 89.819 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

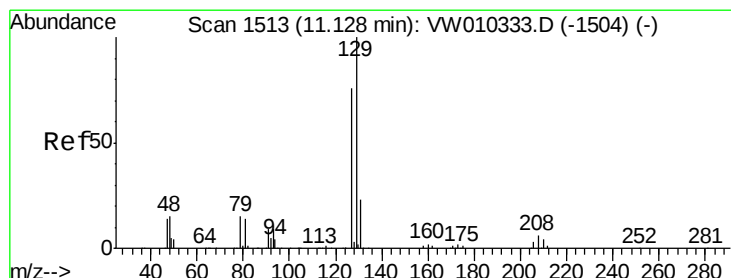
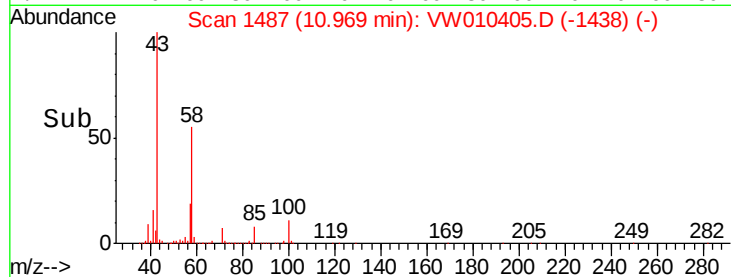
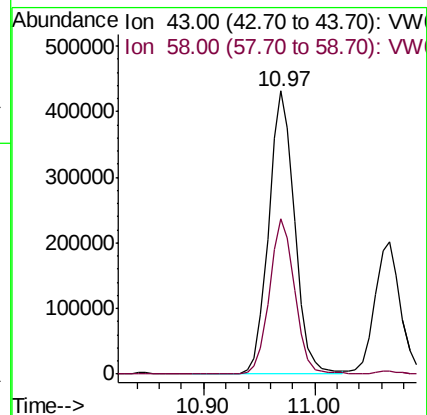
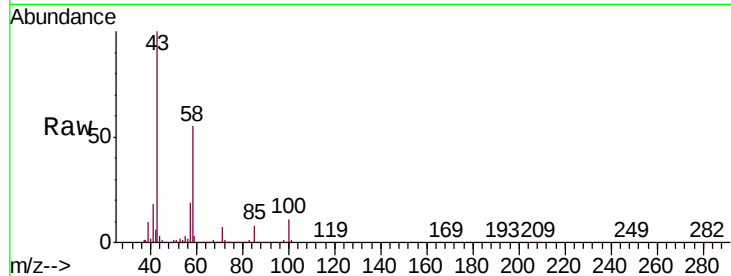
VW0512SBSD01

Tgt Ion: 43 Resp: 700695

Ion Ratio Lower Upper

43 100

58 53.7 24.9 74.7



#60

Dibromochloromethane

Concen: 21.453 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010405.D

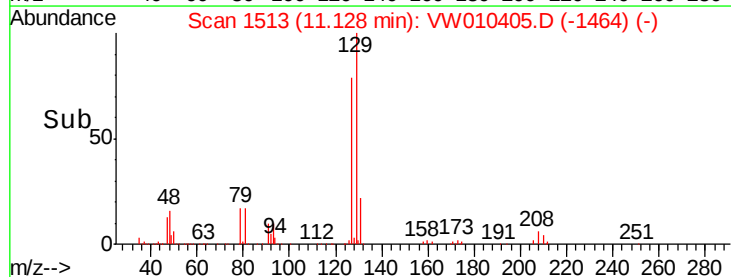
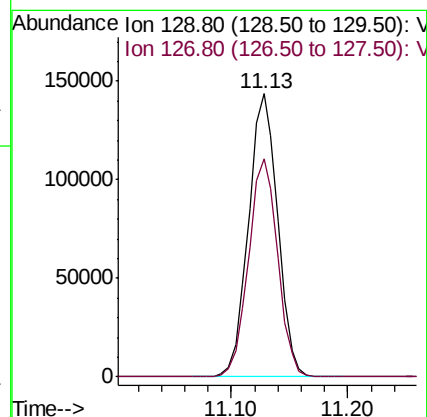
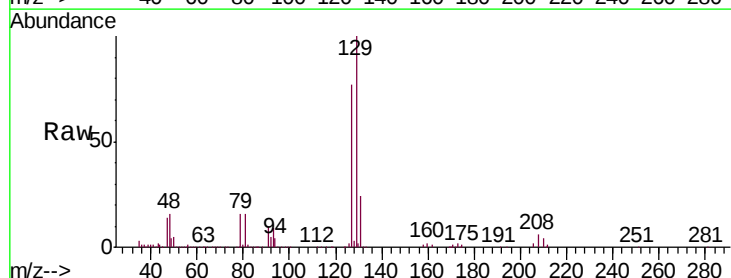
Acq: 12 May 2019 13:47

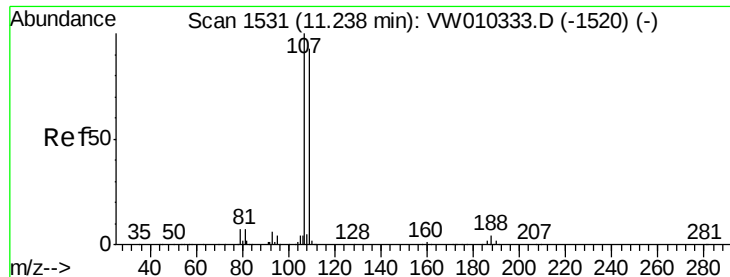
Tgt Ion: 129 Resp: 251274

Ion Ratio Lower Upper

129 100

127 76.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.812 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

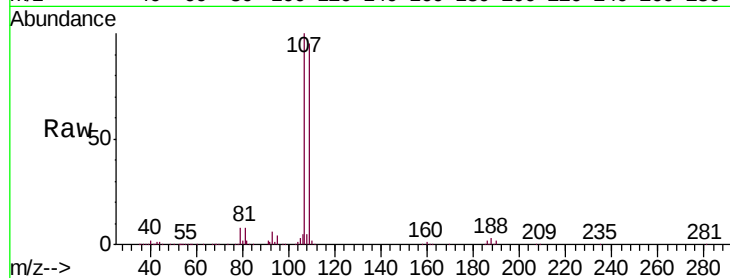
VW0512SBSD01

Tgt Ion: 107 Resp: 217464

Ion Ratio Lower Upper

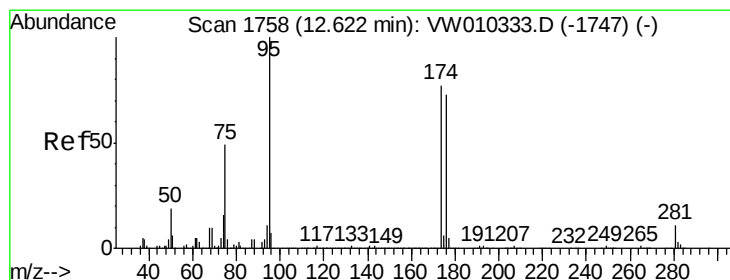
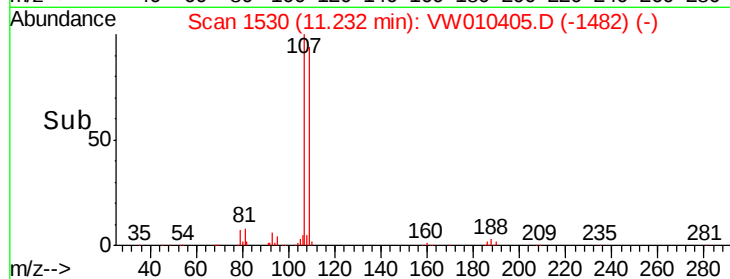
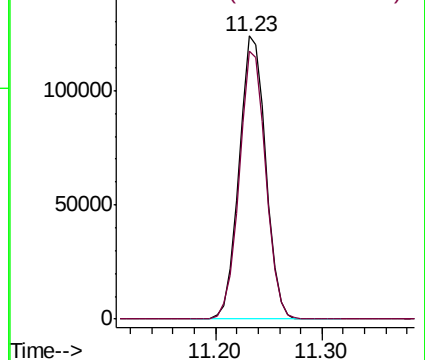
107 100

109 94.2 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.852 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

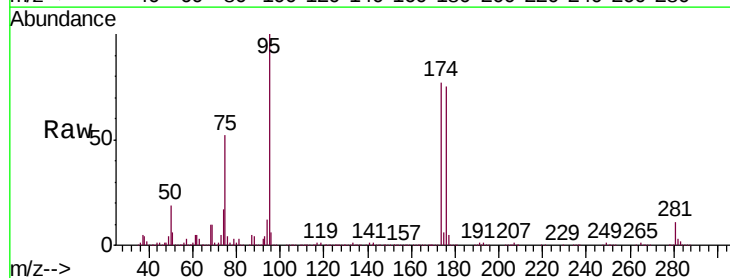
Tgt Ion: 95 Resp: 874102

Ion Ratio Lower Upper

95 100

174 75.5 0.0 151.4

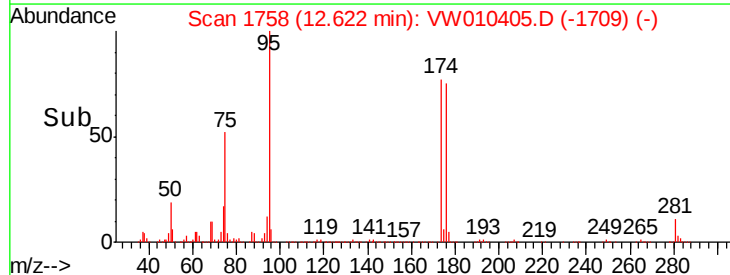
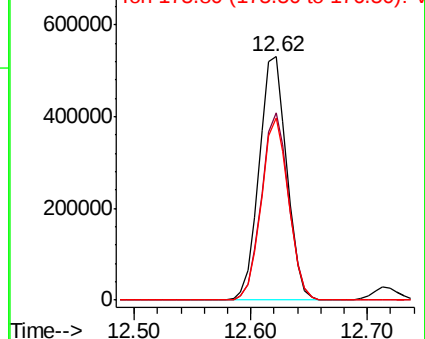
176 73.5 0.0 146.2

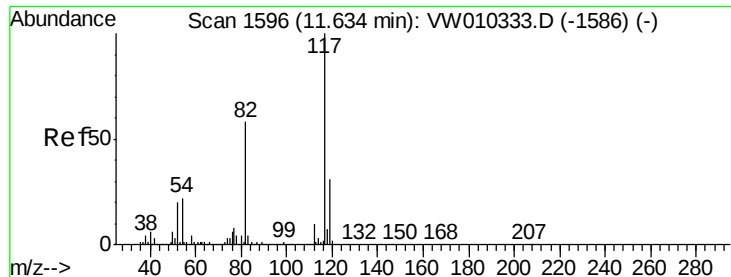


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

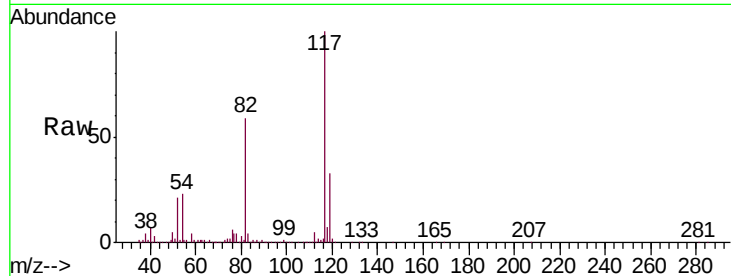




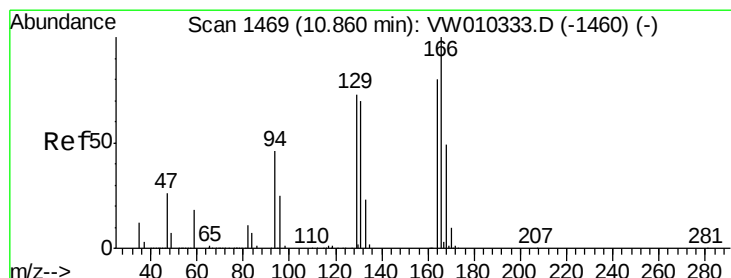
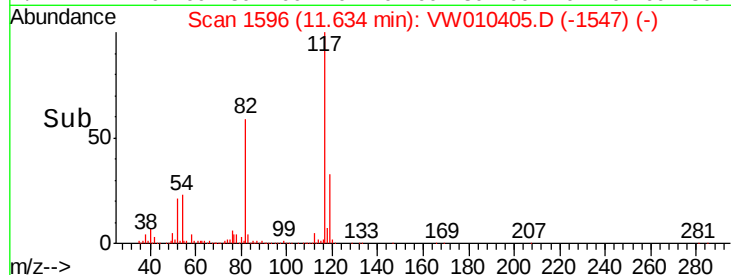
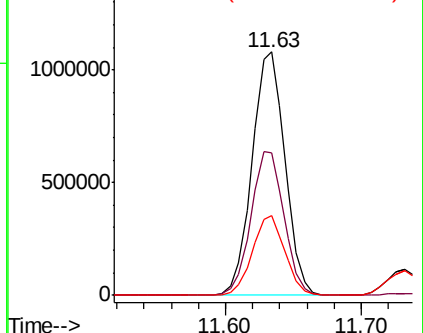
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Tgt Ion:117 Resp: 1836358
Ion Ratio Lower Upper
117 100
82 58.6 45.2 67.8
119 32.7 25.4 38.2

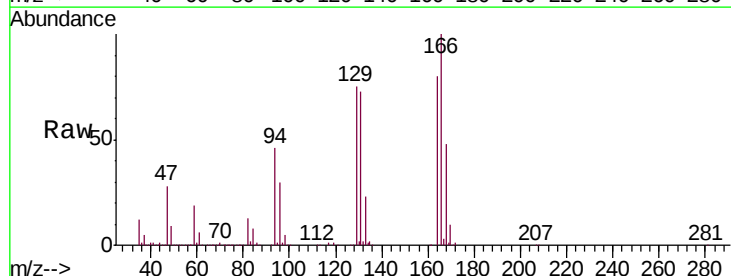


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

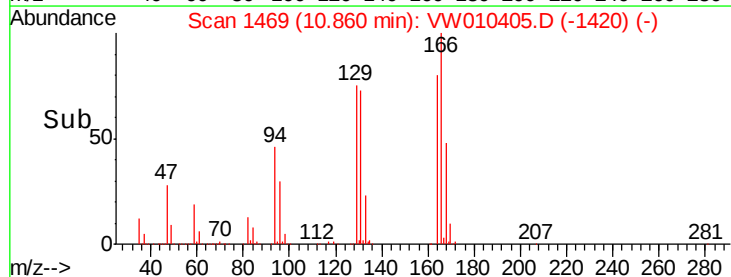
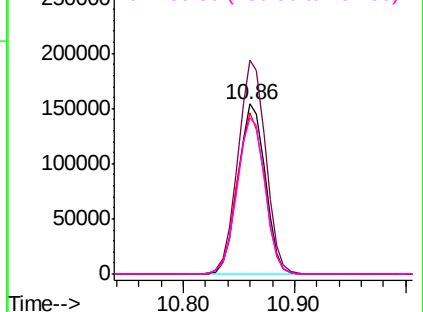


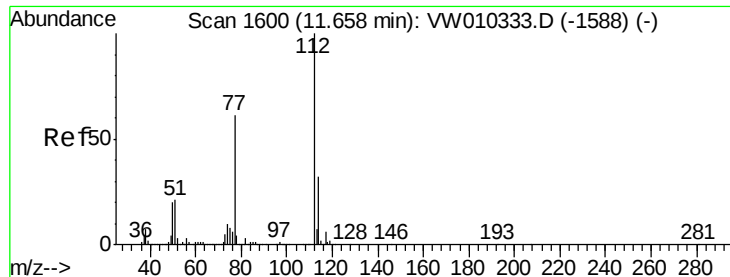
#64
Tetrachloroethene
Concen: 20.472 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion:164 Resp: 262757
Ion Ratio Lower Upper
164 100
166 125.7 101.2 151.8
129 94.8 77.8 116.6
131 91.6 73.1 109.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

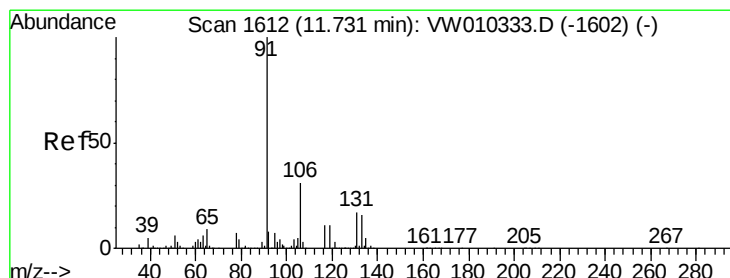
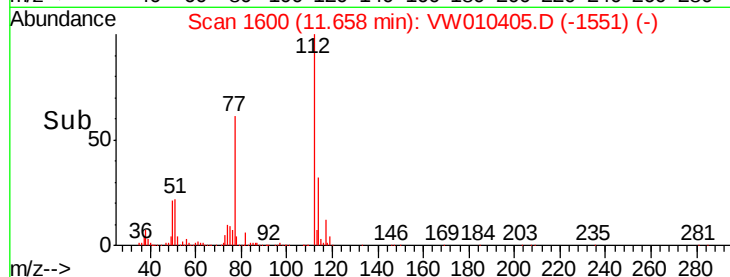
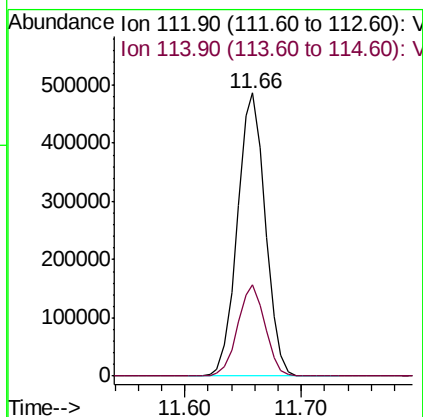
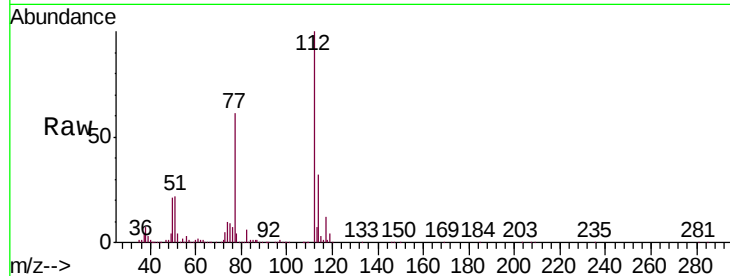




#65
Chlorobenzene
Concen: 21.375 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

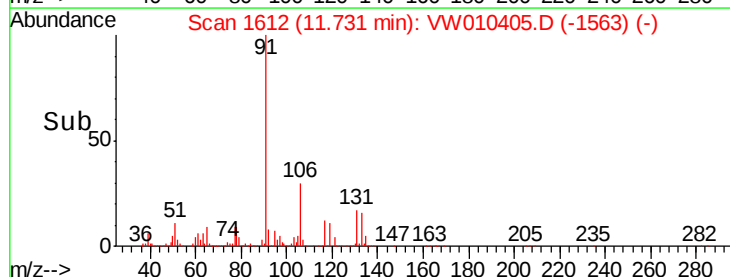
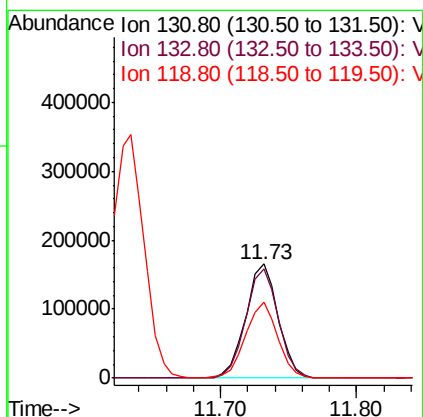
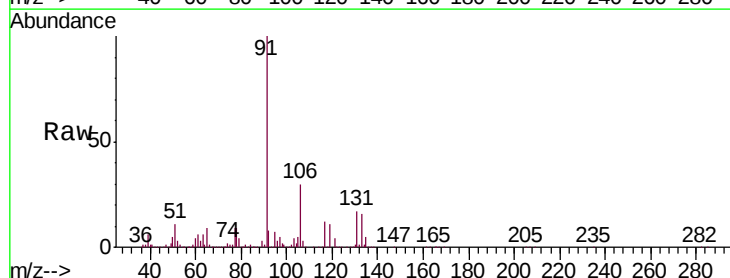
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

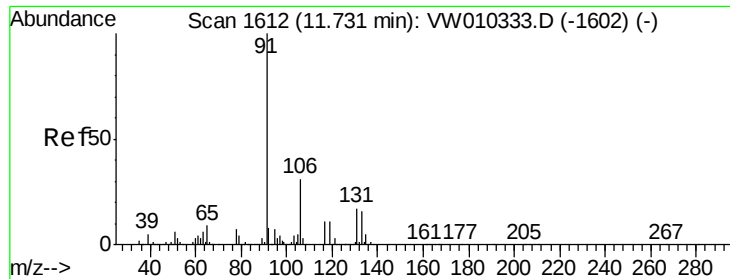
Tgt Ion:112 Resp: 812540
Ion Ratio Lower Upper
112 100
114 32.3 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.450 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion:131 Resp: 275590
Ion Ratio Lower Upper
131 100
133 96.2 46.5 139.5
119 66.0 31.9 95.5

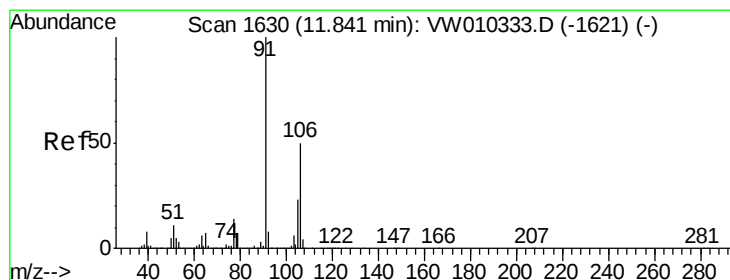
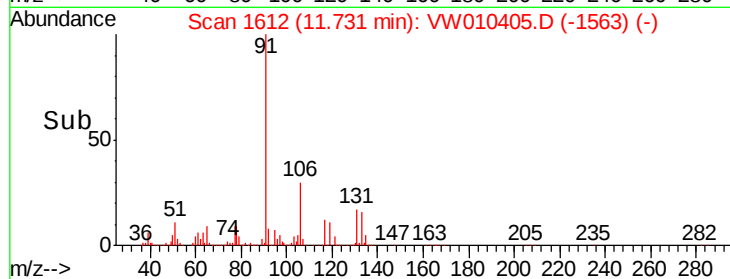
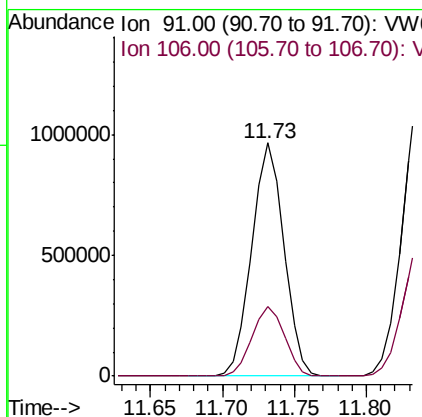
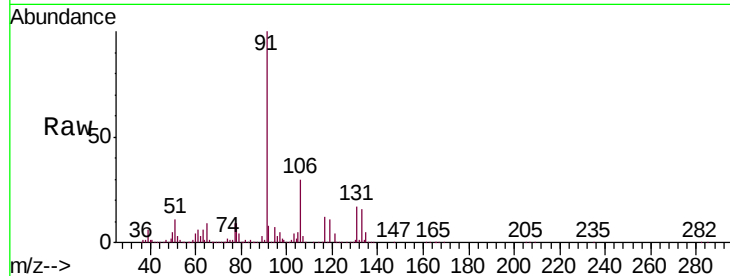




#67
Ethyl Benzene
Concen: 21.329 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

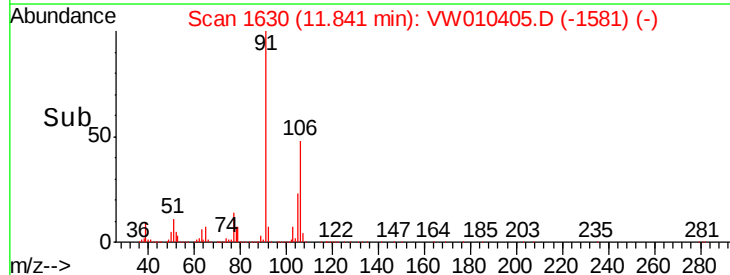
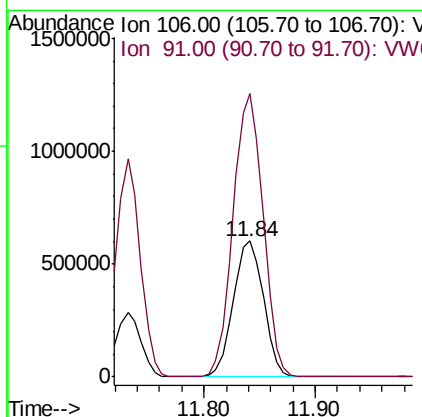
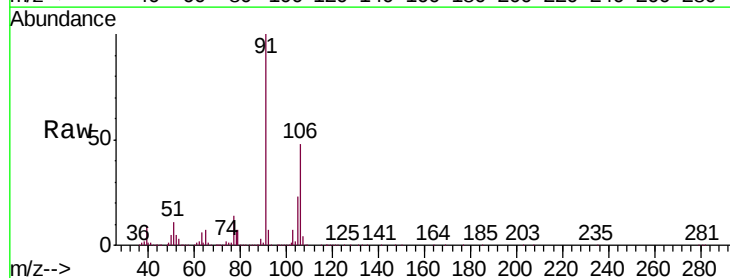
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

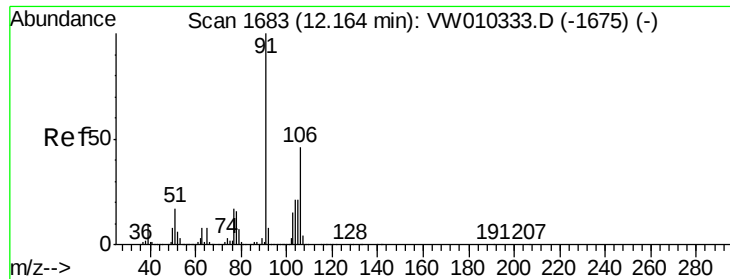
Tgt Ion: 91 Resp: 1491518
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.8



#68
m/p-Xylenes
Concen: 43.551 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion: 106 Resp: 1131547
Ion Ratio Lower Upper
106 100
91 207.4 165.0 247.6

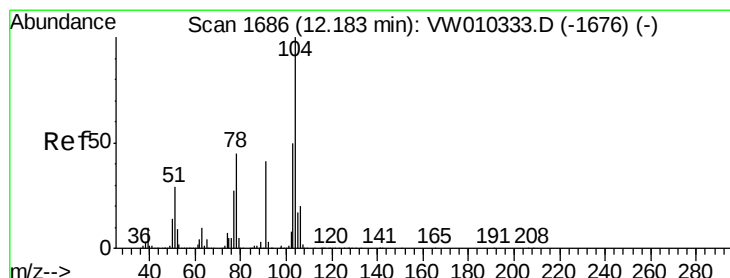
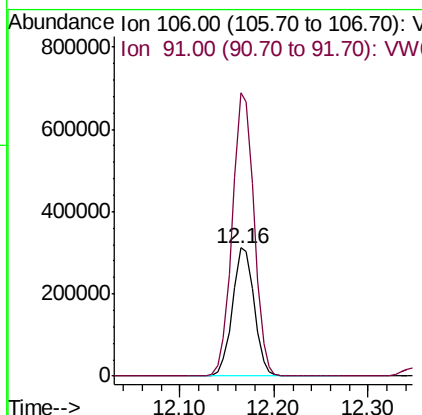
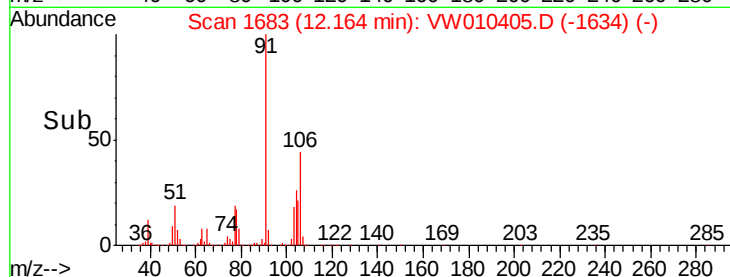
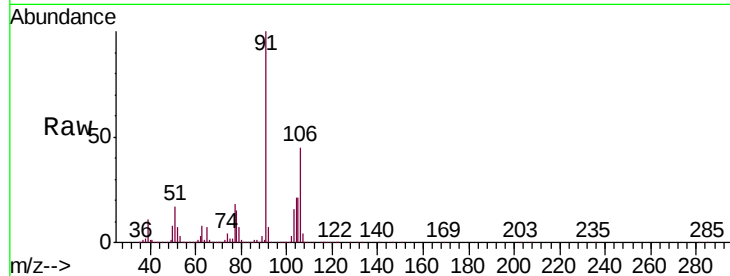




#69
o-Xylene
Concen: 21.297 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

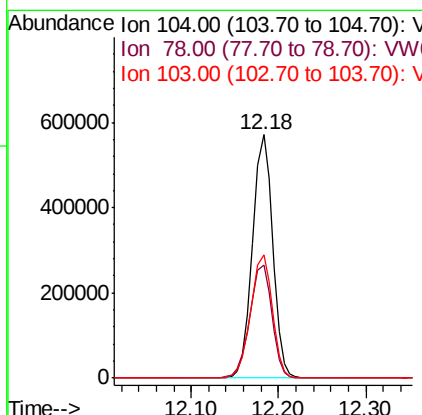
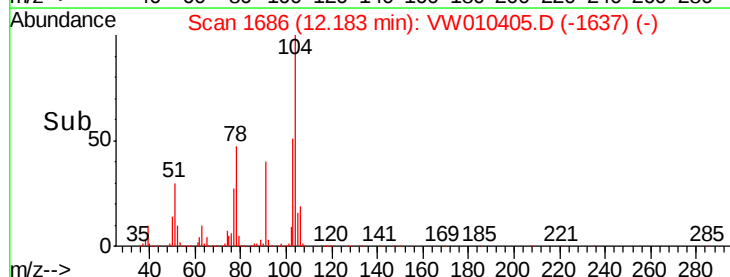
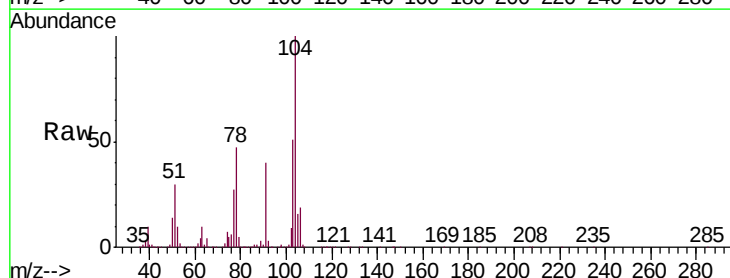
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

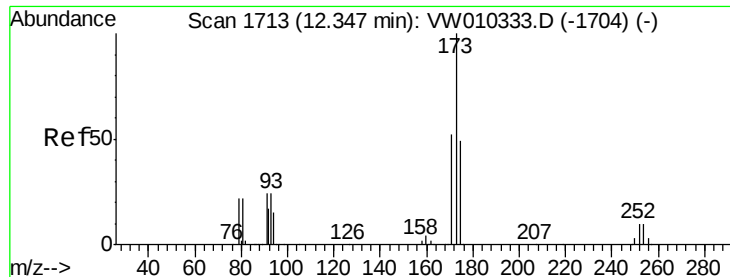
Tgt Ion:106 Resp: 500556
Ion Ratio Lower Upper
106 100
91 220.7 110.5 331.4



#70
Styrene
Concen: 22.288 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion:104 Resp: 912762
Ion Ratio Lower Upper
104 100
78 50.9 42.5 63.7
103 54.4 43.6 65.4

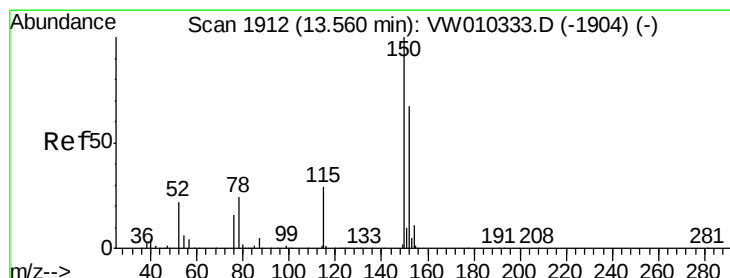
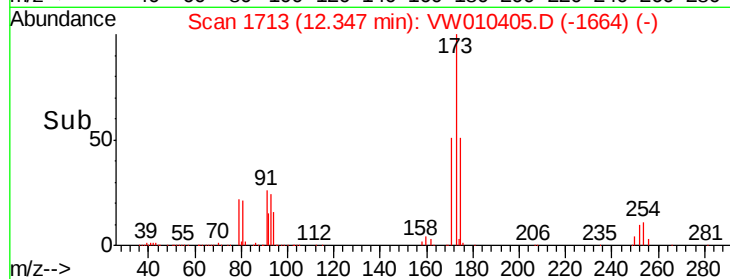
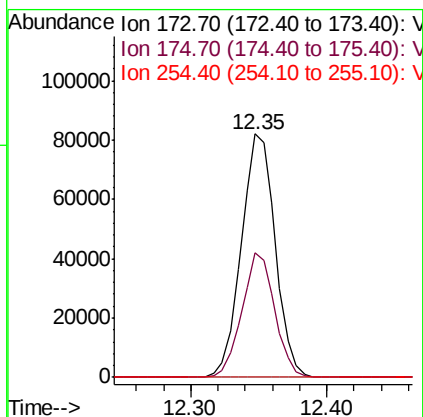
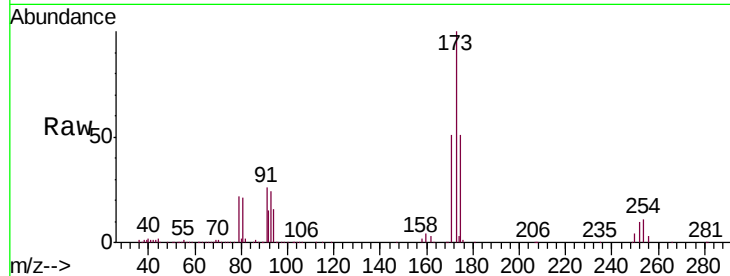




#71
Bromoform
Concen: 19.390 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

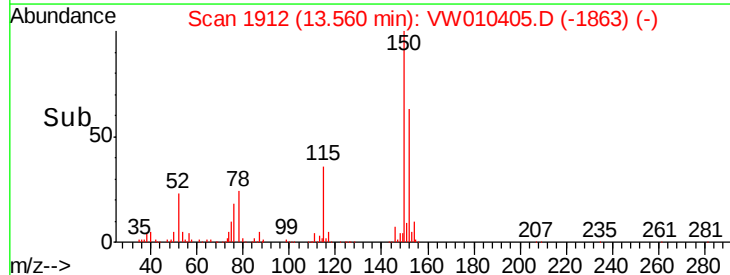
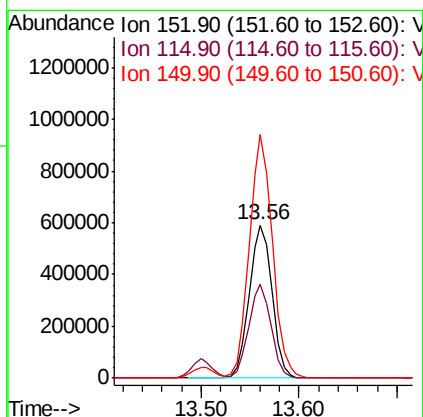
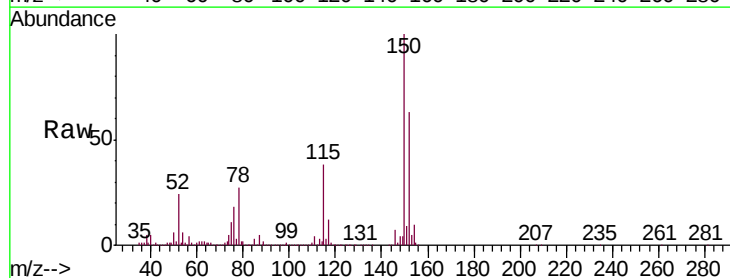
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

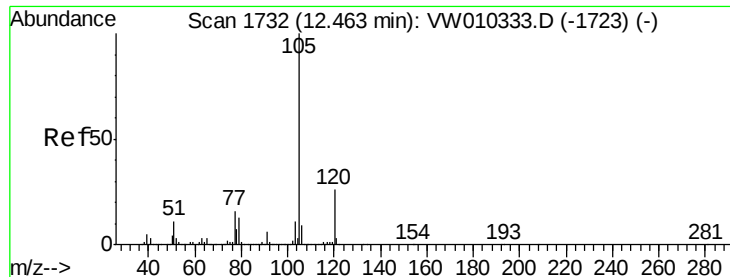
Tgt Ion:173 Resp: 142410
Ion Ratio Lower Upper
173 100
175 49.7 23.8 71.4
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion:152 Resp: 948014
Ion Ratio Lower Upper
152 100
115 60.0 30.4 91.2
150 162.4 0.0 347.0





#73

Isopropylbenzene

Concen: 20.685 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

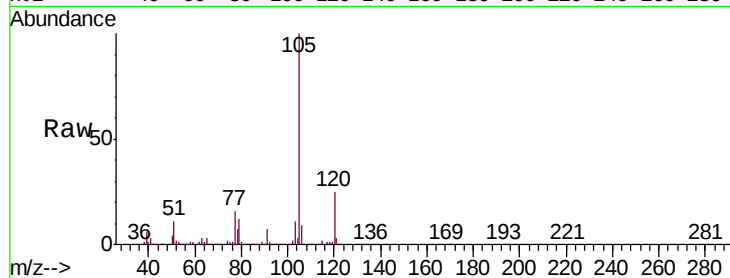
VW0512SBSD01

Tgt Ion:105 Resp: 1429350

Ion Ratio Lower Upper

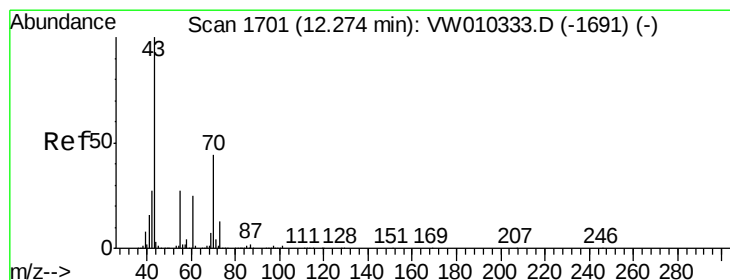
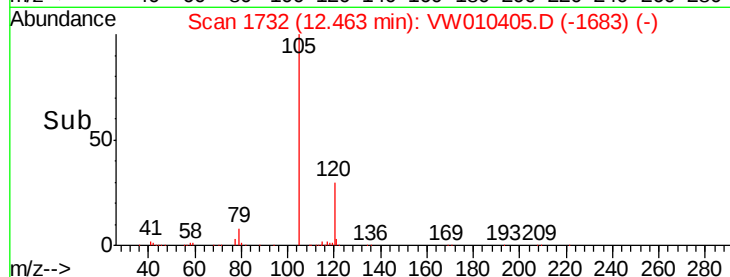
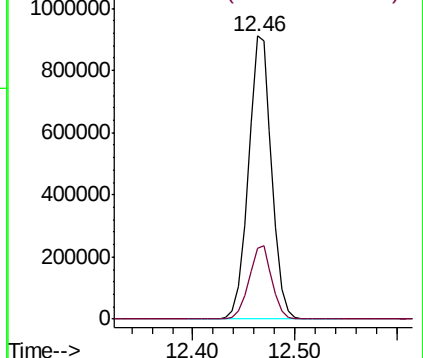
105 100

120 25.6 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: 18.522 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Tgt Ion: 43 Resp: 330657

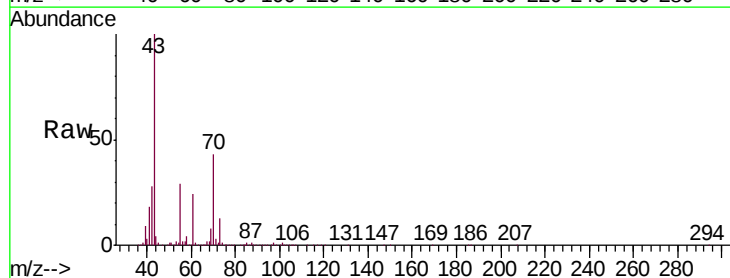
Ion Ratio Lower Upper

43 100

70 43.9 31.3 46.9

55 29.7 20.0 30.0

61 24.5 17.8 26.8

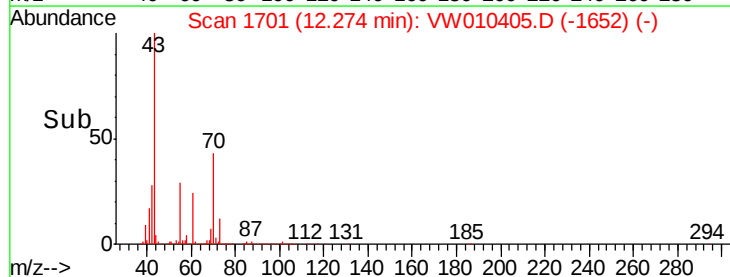
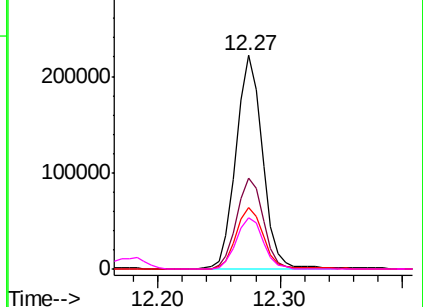


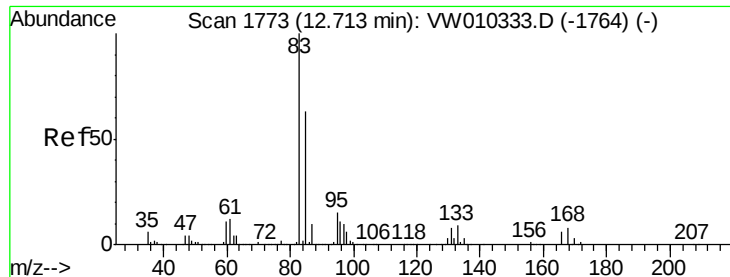
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

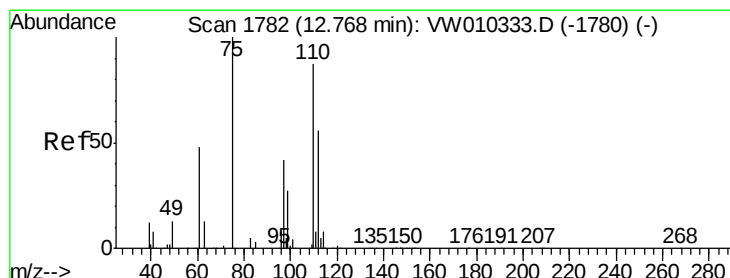
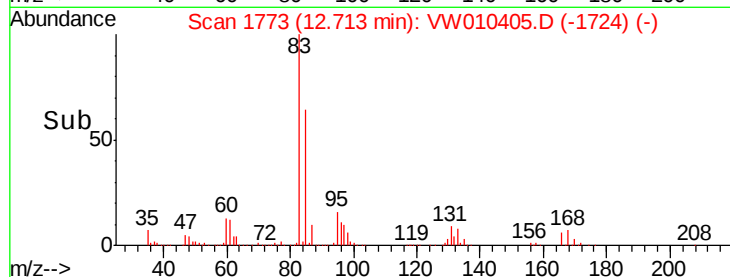
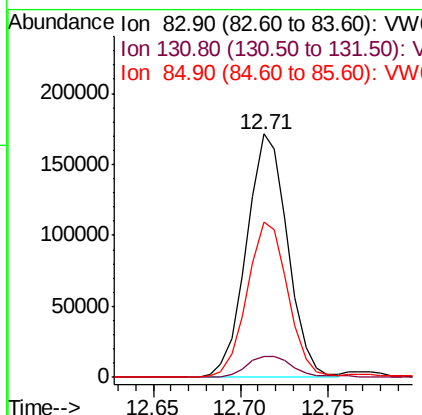
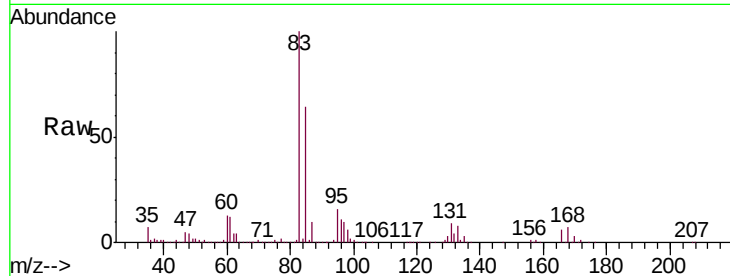




#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.519 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

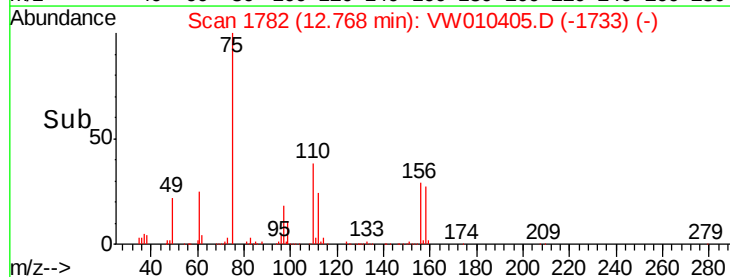
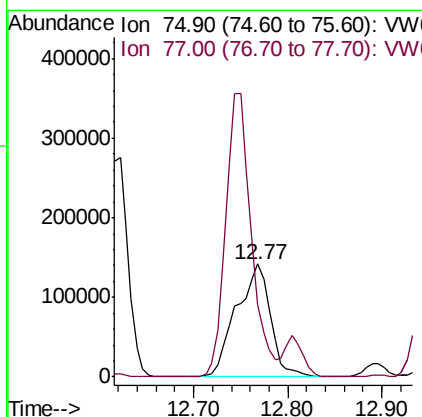
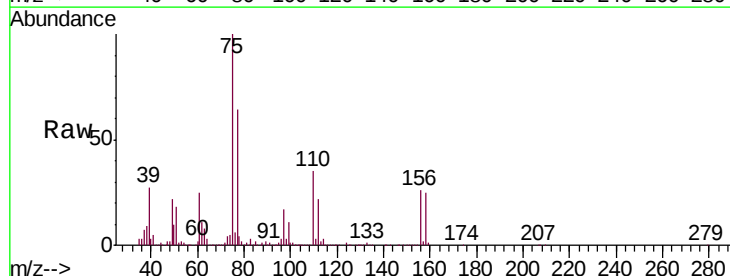
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

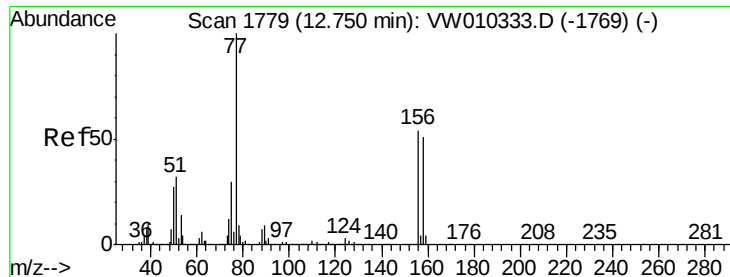
Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.3	15.8
85	63.5	32.0	96.2



#76
 1,2,3-Trichloropropane
 Concen: 32.212 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

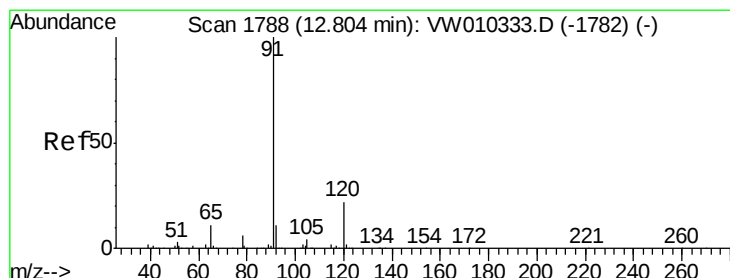
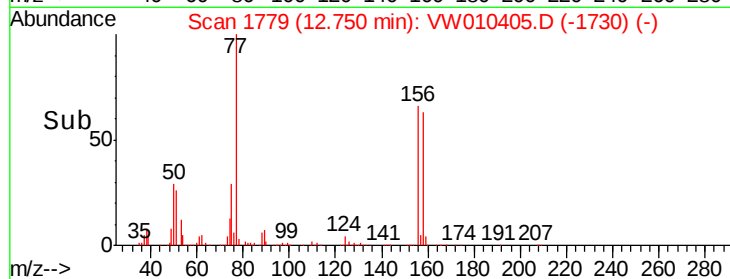
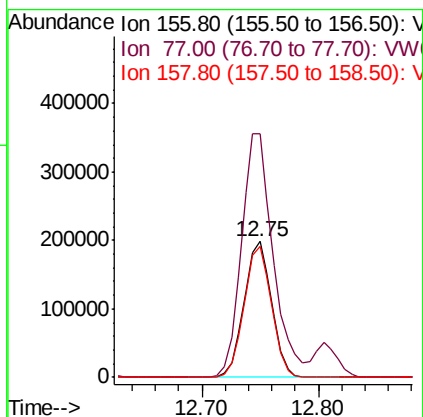
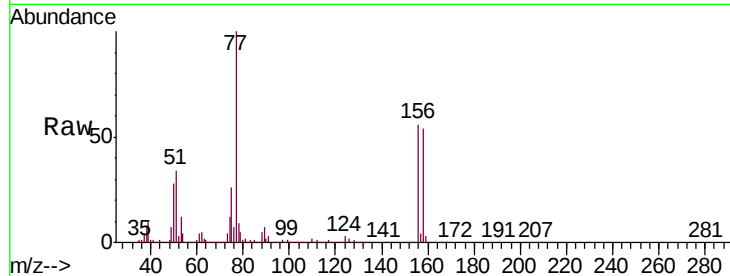




#77
Bromobenzene
Concen: 20.956 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

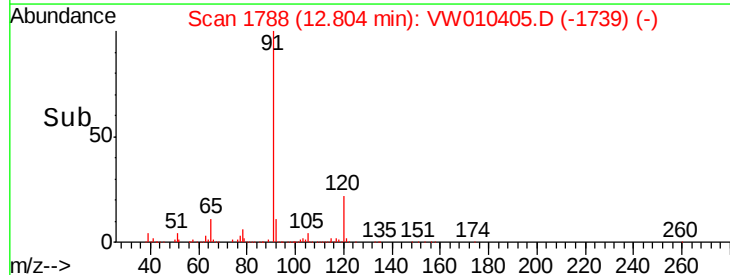
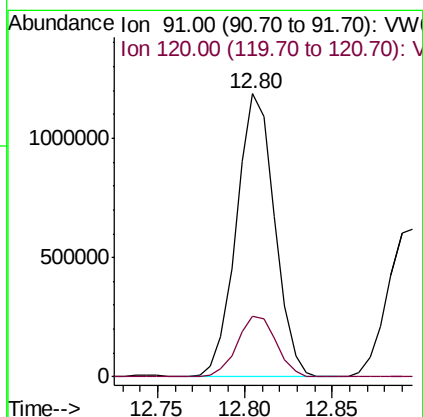
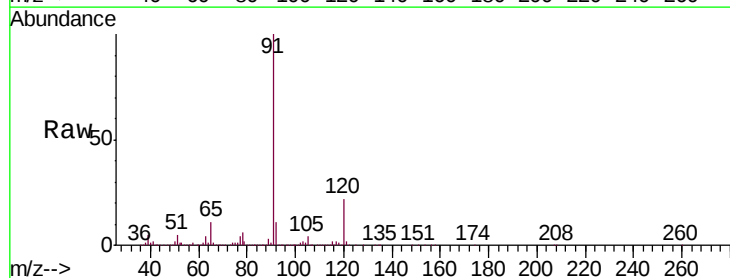
Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

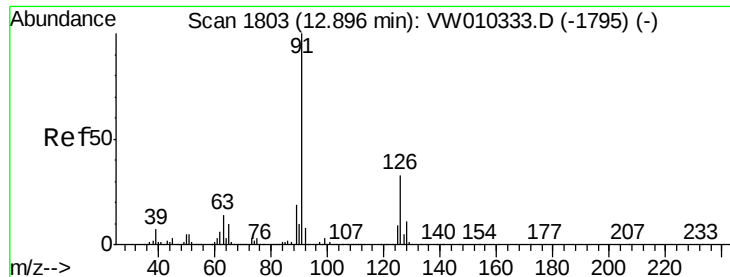
Tgt Ion: 156 Resp: 326970
Ion Ratio Lower Upper
156 100
77 204.9 102.5 307.4
158 96.5 48.8 146.4



#78
n-propylbenzene
Concen: 21.082 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion: 91 Resp: 1799271
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.1

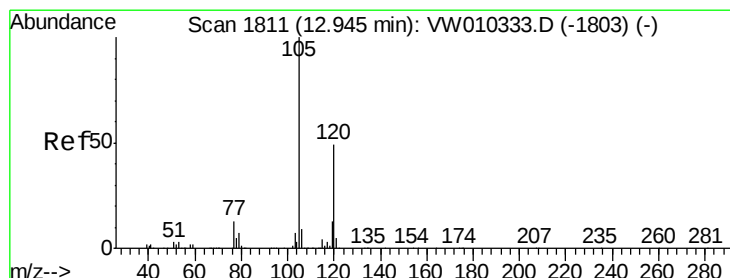
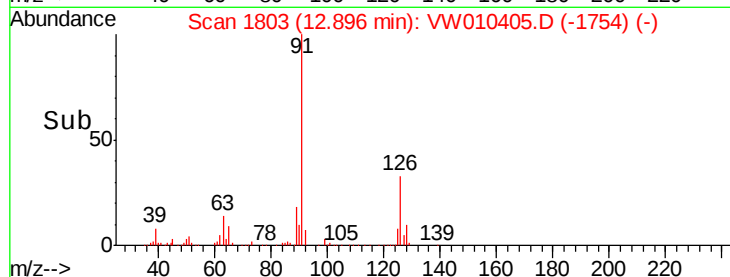
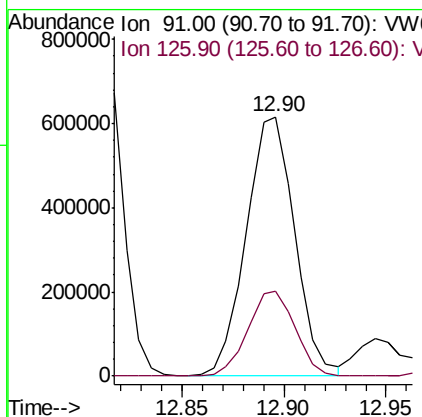
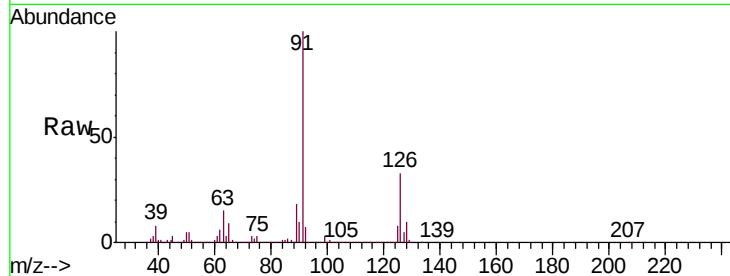




#79
 2-Chlorotoluene
 Concen: 20.975 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

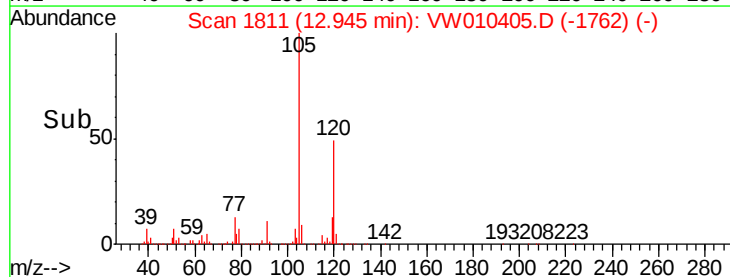
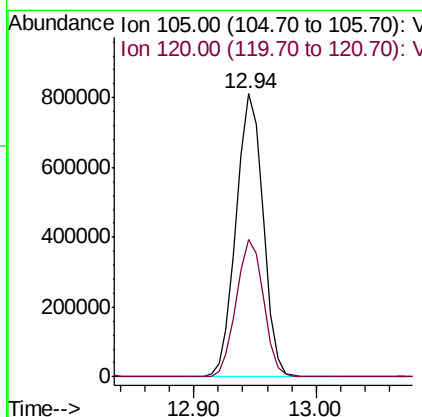
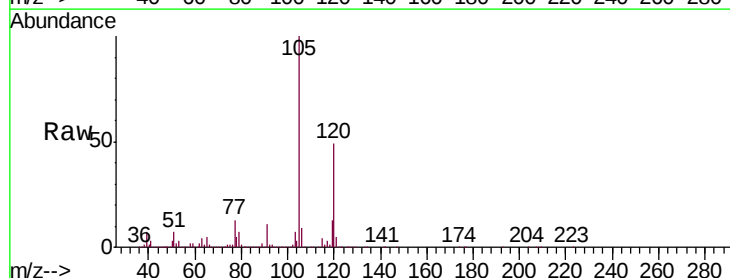
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

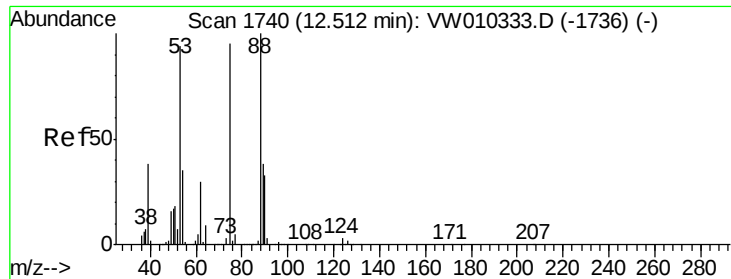
Tgt Ion: 91 Resp: 1019458
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.227 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion: 105 Resp: 1236604
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.092 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

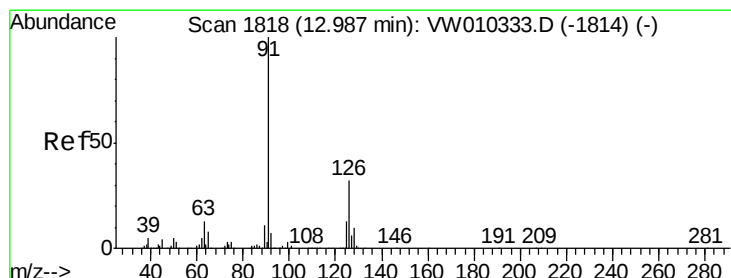
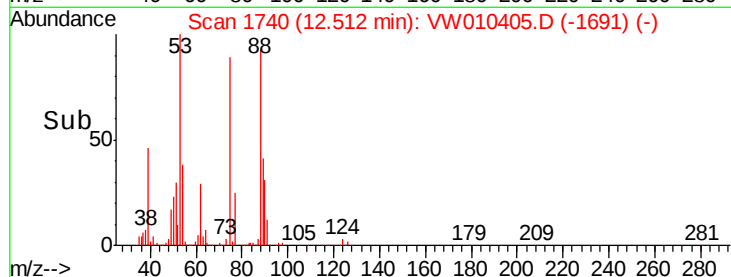
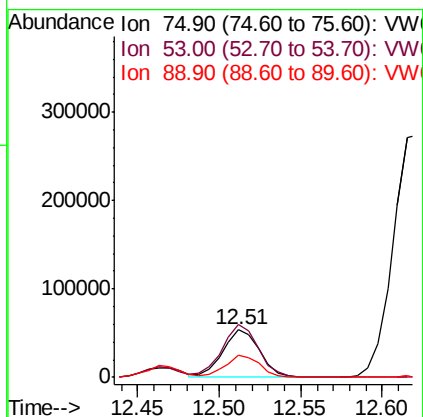
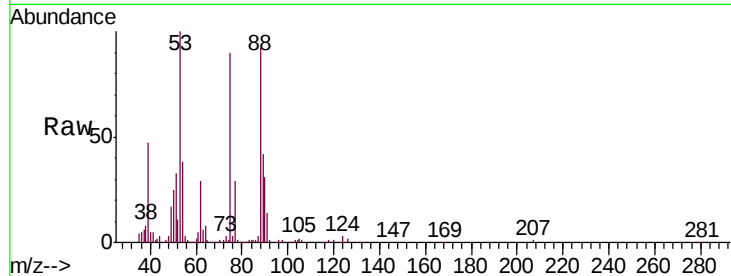
Tgt Ion: 75 Resp: 83656

Ion Ratio Lower Upper

75 100

53 110.1 89.8 134.8

89 44.7 36.6 54.8



#82

4-Chlorotoluene

Concen: 21.392 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010405.D

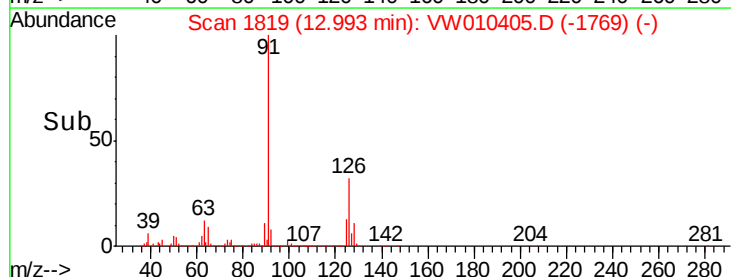
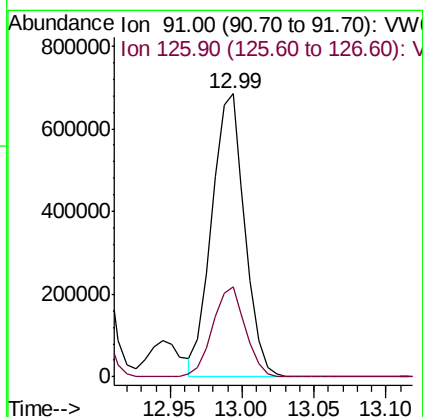
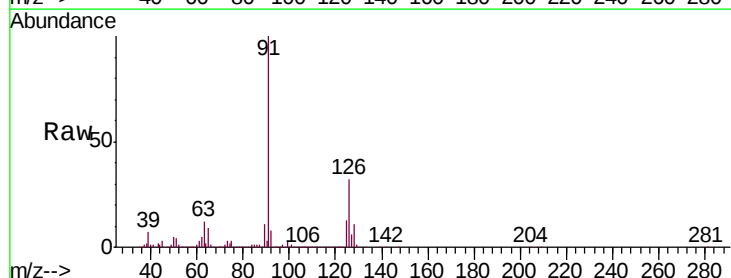
Acq: 12 May 2019 13:47

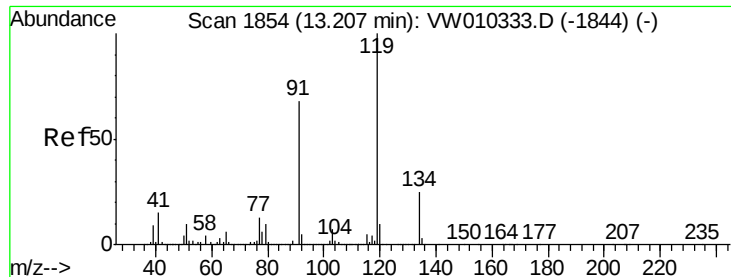
Tgt Ion: 91 Resp: 1089387

Ion Ratio Lower Upper

91 100

126 31.8 16.4 49.1





#83

tert-Butylbenzene

Concen: 20.449 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

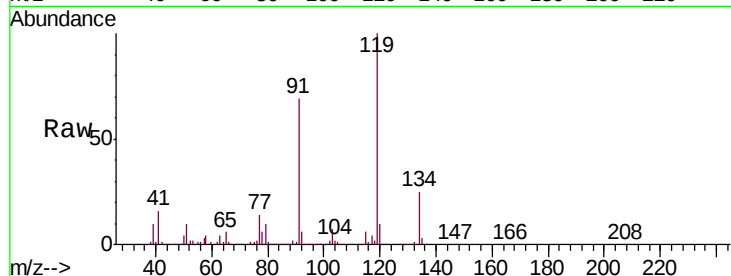
Tgt Ion:119 Resp: 993615

Ion Ratio Lower Upper

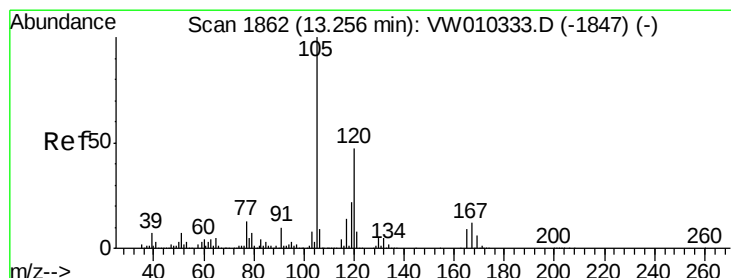
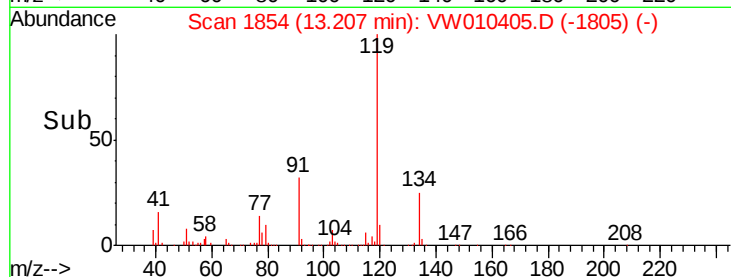
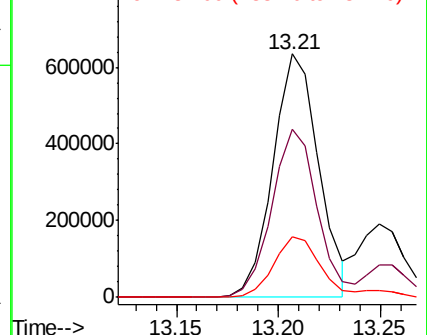
119 100

91 68.9 34.8 104.4

134 25.5 13.7 41.1



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



#84

1,2,4-Trimethylbenzene

Concen: 21.761 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW010405.D

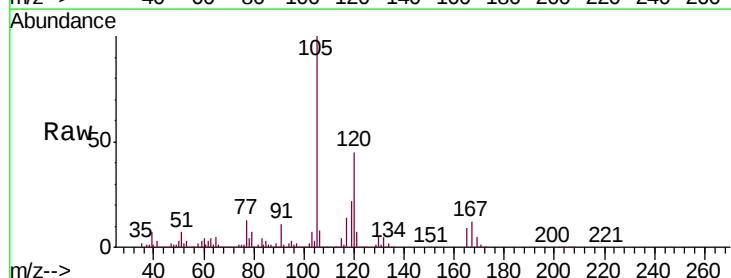
Acq: 12 May 2019 13:47

Tgt Ion:105 Resp: 1259747

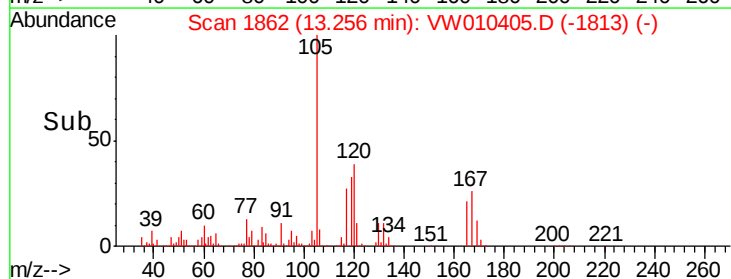
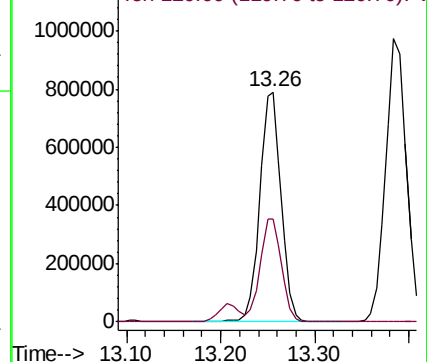
Ion Ratio Lower Upper

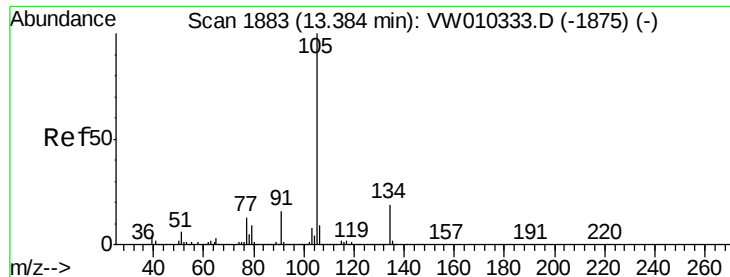
105 100

120 44.9 22.6 67.7



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

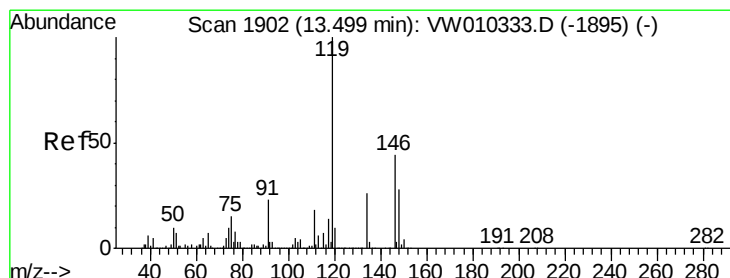
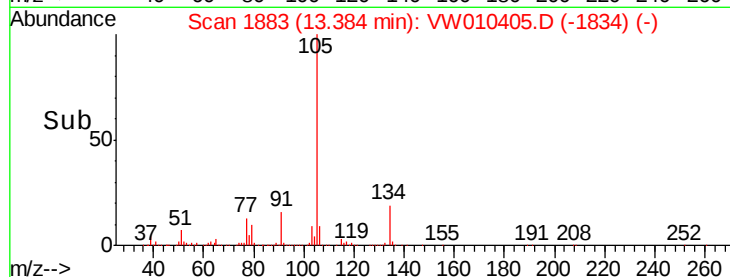
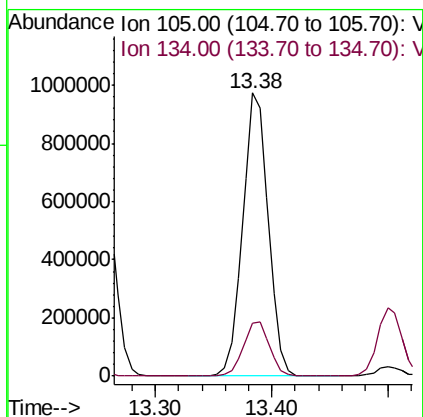
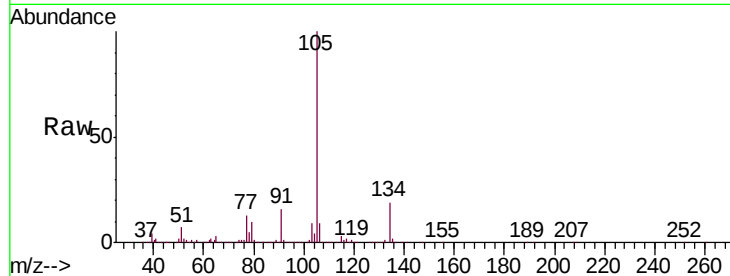




#85
 sec-Butylbenzene
 Concen: 20.775 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

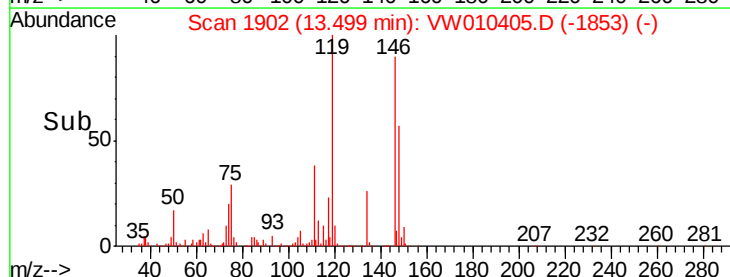
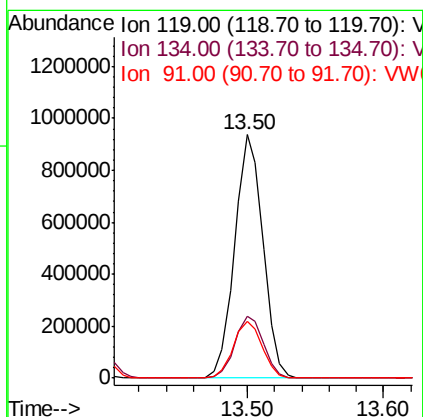
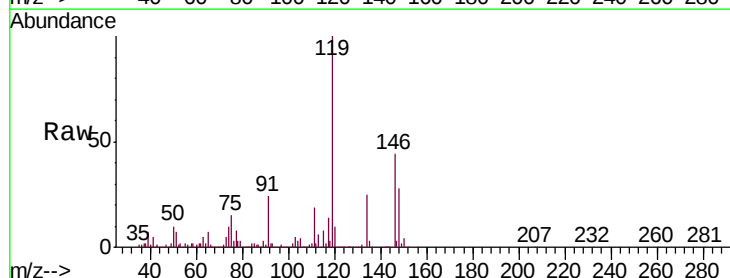
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

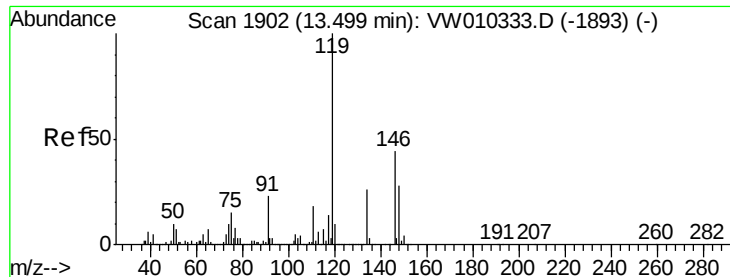
Tgt Ion:105 Resp: 1490228
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 21.189 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion:119 Resp: 1349477
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 23.7 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 21.342 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

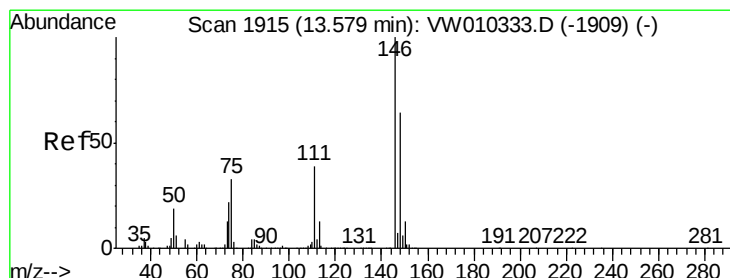
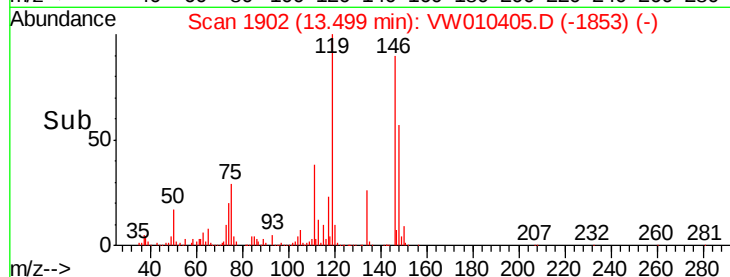
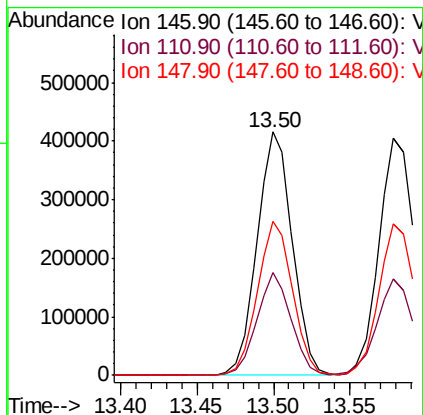
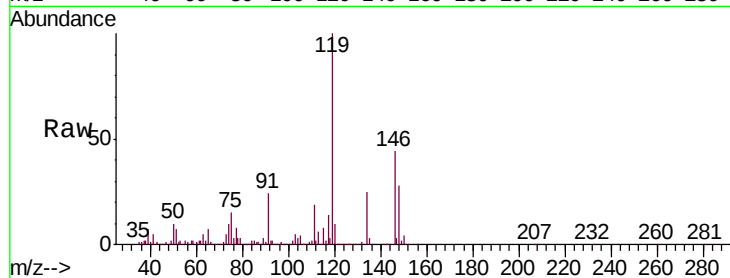
Tgt Ion:146 Resp: 664925

Ion Ratio Lower Upper

146 100

111 40.7 20.3 61.0

148 63.0 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 21.206 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

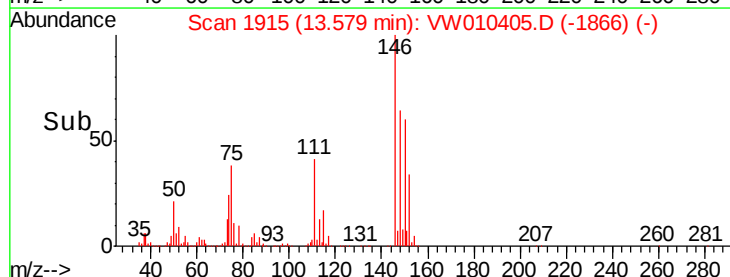
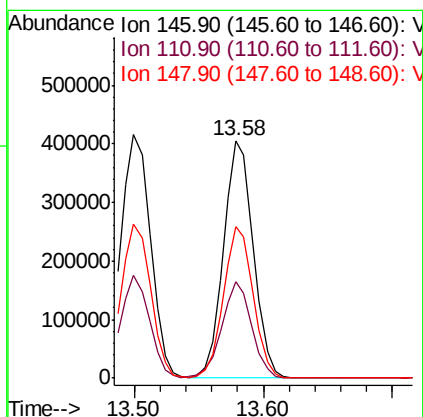
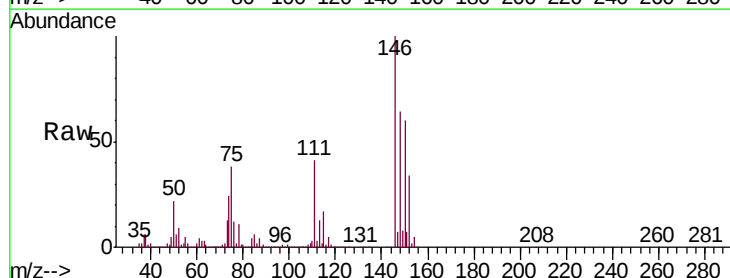
Tgt Ion:146 Resp: 655669

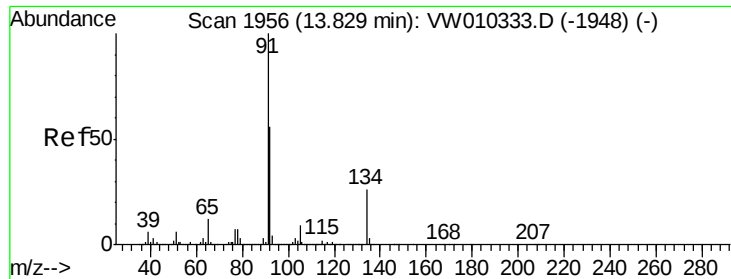
Ion Ratio Lower Upper

146 100

111 40.6 20.1 60.3

148 63.7 31.8 95.3





#89

n-Butylbenzene

Concen: 20.986 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

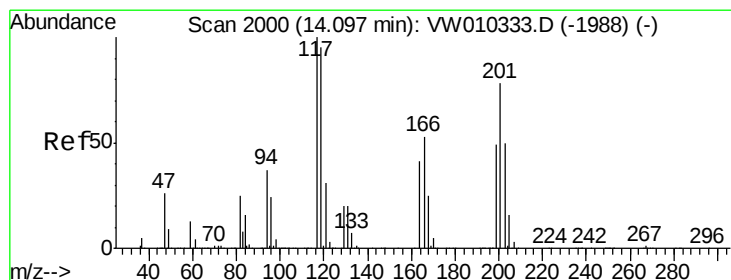
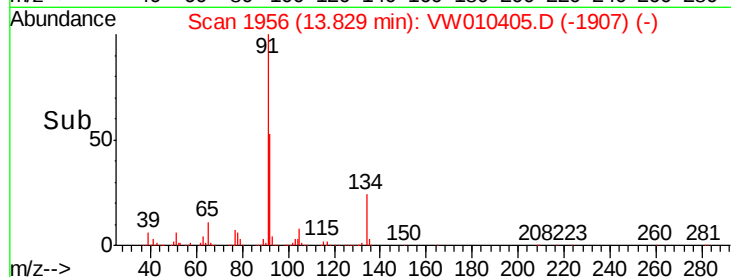
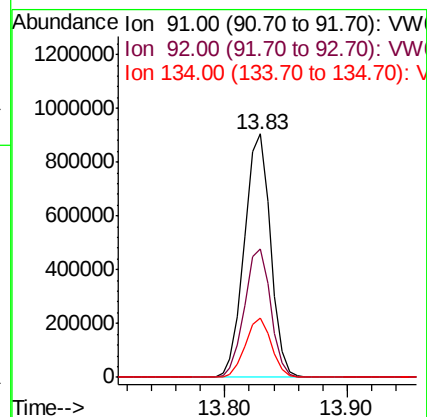
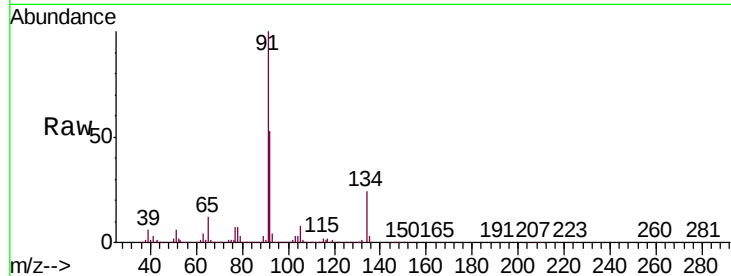
Tgt Ion: 91 Resp: 1340142

Ion Ratio Lower Upper

91 100

92 52.9 26.5 79.4

134 24.2 12.4 37.0



#90

Hexachloroethane

Concen: 20.208 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010405.D

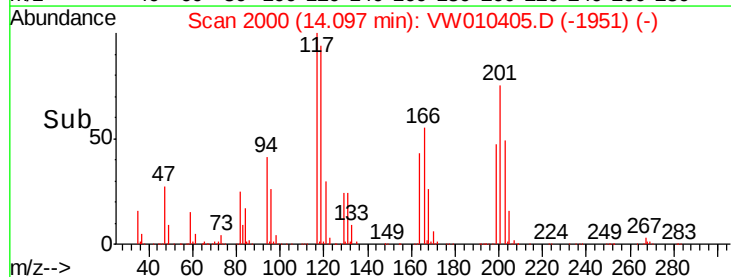
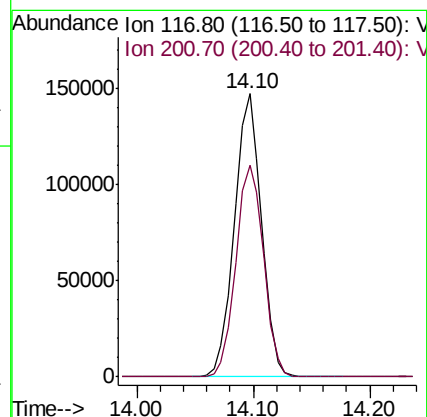
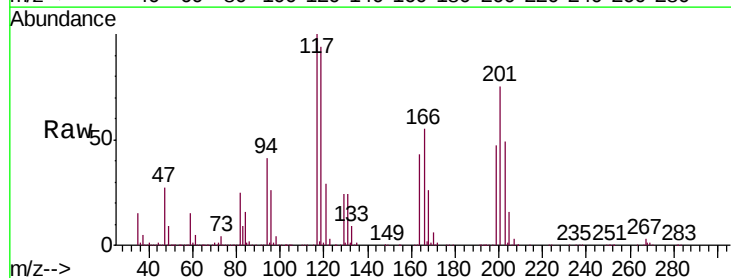
Acq: 12 May 2019 13:47

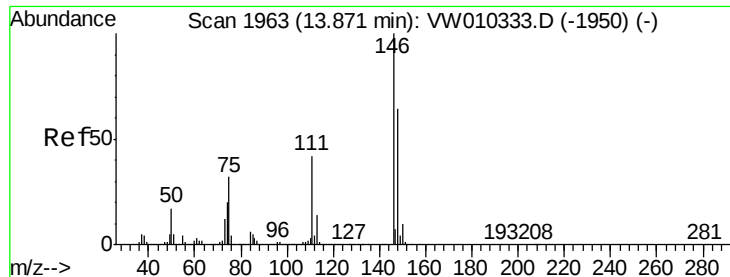
Tgt Ion: 117 Resp: 238707

Ion Ratio Lower Upper

117 100

201 76.5 36.1 108.3





#91

1,2-Dichlorobenzene

Concen: 21.329 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

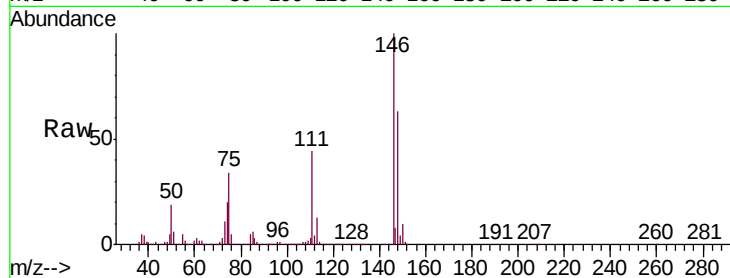
Tgt Ion:146 Resp: 588238

Ion Ratio Lower Upper

146 100

111 42.6 20.9 62.8

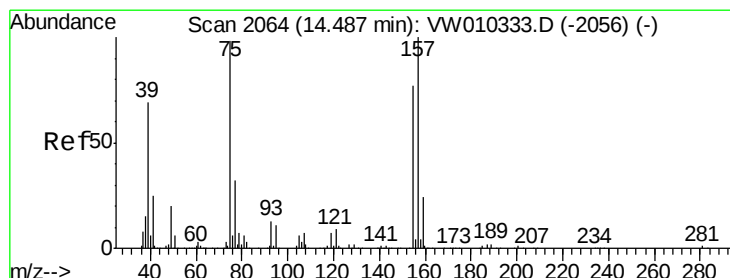
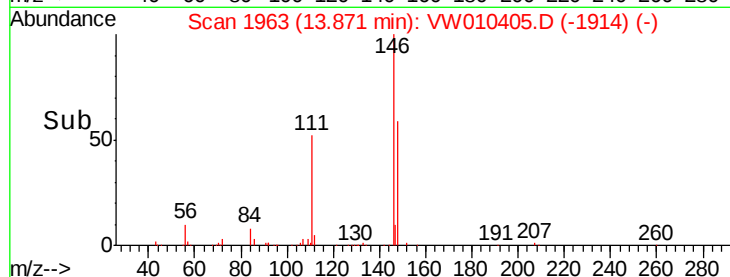
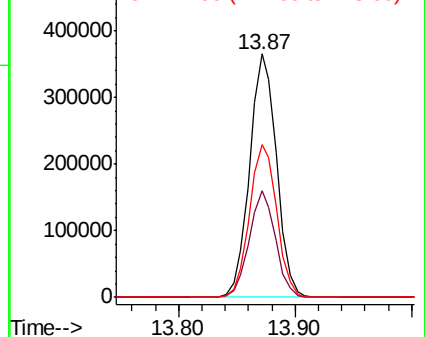
148 63.7 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.502 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

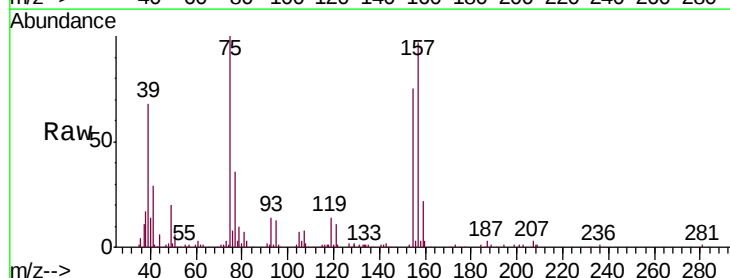
Tgt Ion: 75 Resp: 45245

Ion Ratio Lower Upper

75 100

155 76.4 37.1 111.5

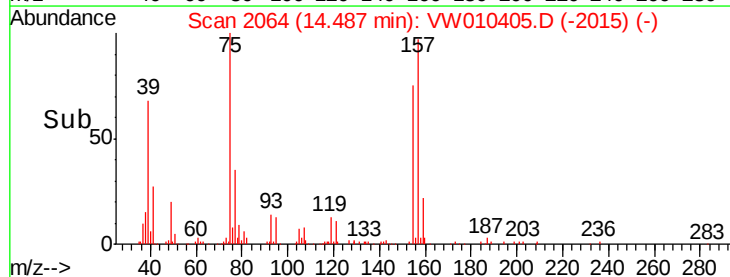
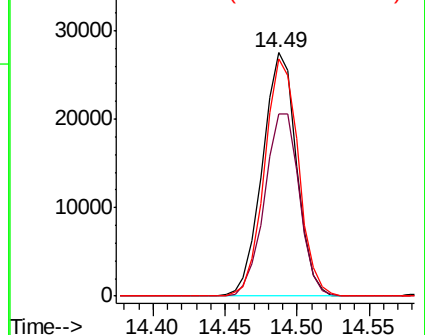
157 96.2 47.3 141.9

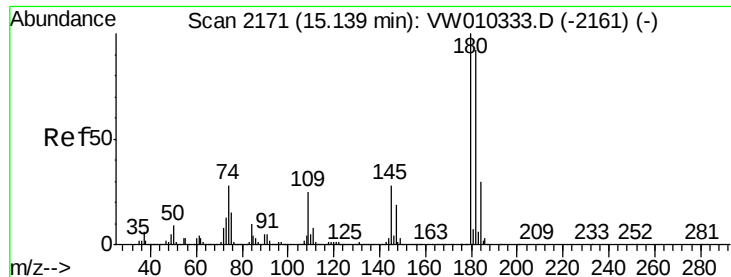


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

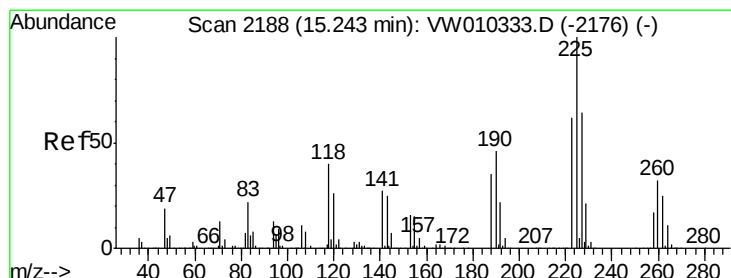
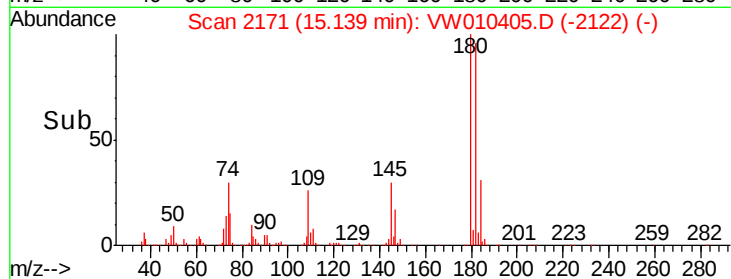
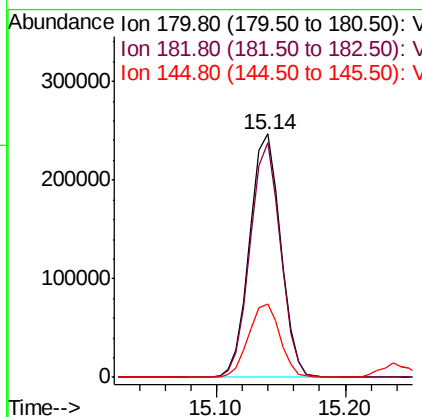
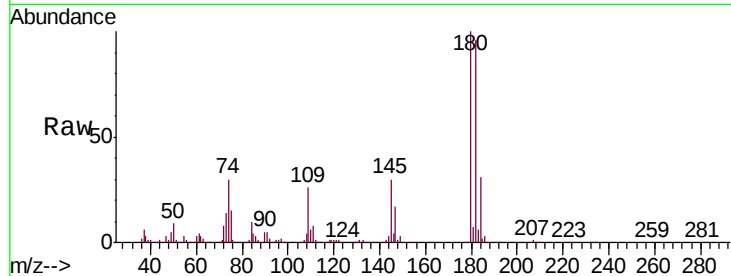




#93
 1,2,4-Trichlorobenzene
 Concen: 21.766 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

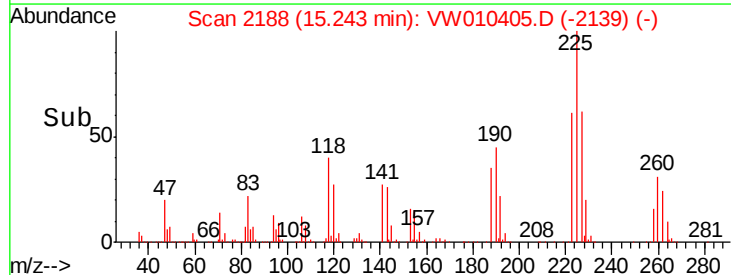
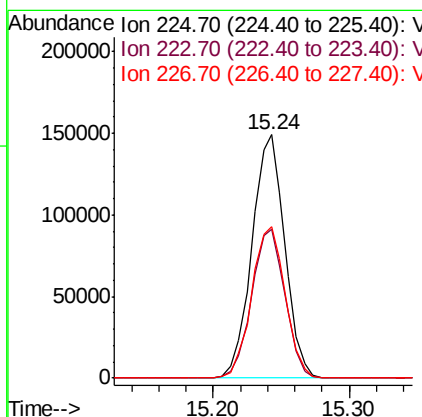
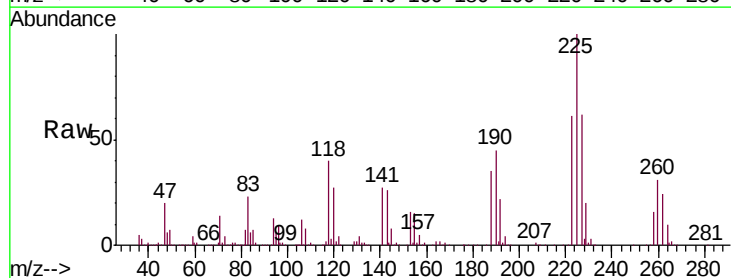
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

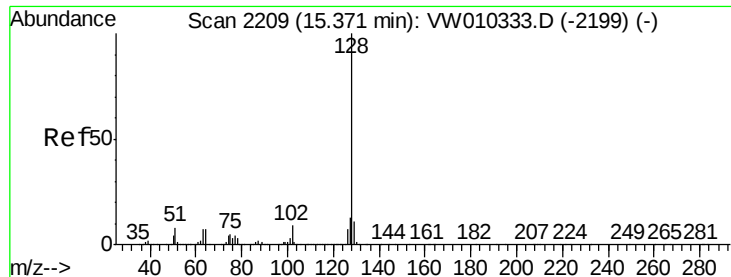
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.1	141.4
145	30.5	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 20.880 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.9	95.5
227	63.5	31.8	95.3





#95

Naphthalene

Concen: 19.019 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

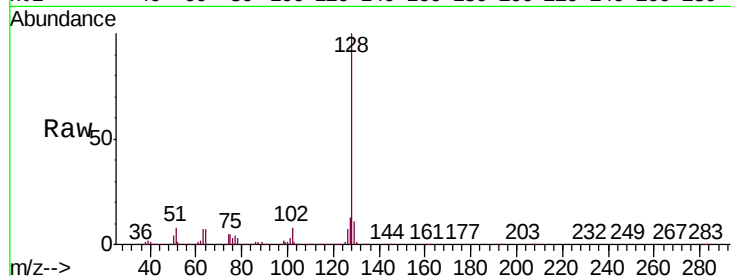
Tgt Ion:128 Resp: 714632

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

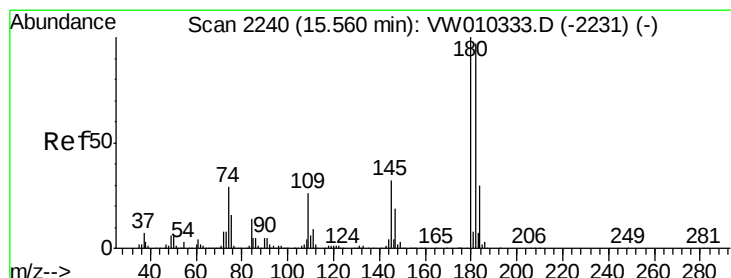
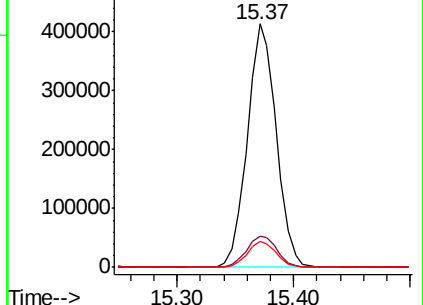
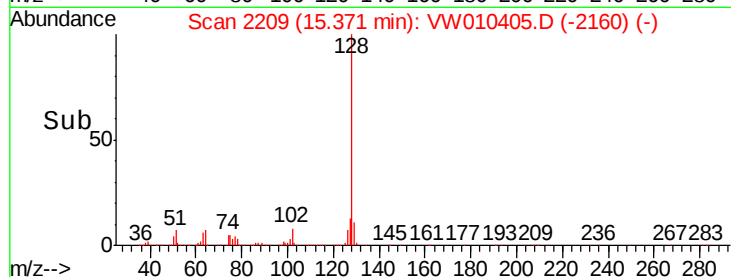
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.603 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

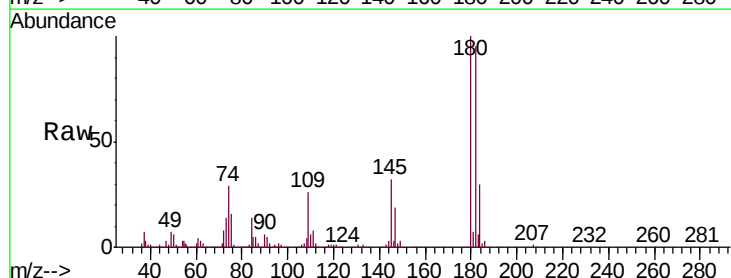
Tgt Ion:180 Resp: 367341

Ion Ratio Lower Upper

180 100

182 96.0 47.8 143.3

145 32.4 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

