

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW050919\
 Data File : VW010331.D
 Acq On : 09 May 2019 11:38
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: May 09 13:13:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:10:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1344192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2150823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1917399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	955481	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	147166	8.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.74%	
35) Dibromofluoromethane	7.88	113	127201	9.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.60%	
50) Toluene-d8	10.32	98	518077	10.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.22%	
62) 4-Bromofluorobenzene	12.62	95	171085	9.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.38%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	93807	9.153	ug/l 97
3) Chloromethane	2.21	50	125196	12.215	ug/l 97
4) Vinyl Chloride	2.36	62	162425	13.633	ug/l 96
5) Bromomethane	2.77	94	96265	12.023	ug/l 96
6) Chloroethane	2.92	64	93714	12.039	ug/l 92
7) Trichlorofluoromethane	3.25	101	78983	9.588	ug/l 98
8) Diethyl Ether	3.67	74	75969	11.087	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	140048	10.104	ug/l 96
10) Methyl Iodide	4.26	142	193143	10.083	ug/l 94
11) Tert butyl alcohol	5.18	59	49678	52.577	ug/l 99
12) 1,1-Dichloroethene	4.03	96	145871	10.977	ug/l 91
13) Acrolein	3.89	56	65745	66.139	ug/l 98
14) Allyl chloride	4.65	41	212675	9.002	ug/l 91
15) Acrylonitrile	5.36	53	202795	57.510	ug/l 98
16) Acetone	4.12	43	174468	45.331	ug/l 91
17) Carbon Disulfide	4.37	76	423194	11.610	ug/l 99
18) Methyl Acetate	4.67	43	90263	10.133	ug/l 95
19) Methyl tert-butyl Ether	5.42	73	166718	9.659	ug/l 93
20) Methylene Chloride	4.91	84	158921	8.975	ug/l 93
21) trans-1,2-Dichloroethene	5.41	96	155436	10.802	ug/l 97
22) Diisopropyl ether	6.31	45	425594	8.881	ug/l 96
23) Vinyl Acetate	6.25	43	1359736	45.073	ug/l 96
24) 1,1-Dichloroethane	6.21	63	287728	10.044	ug/l 99
25) 2-Butanone	7.17	43	266457	52.703	ug/l 97
26) 2,2-Dichloropropane	7.16	77	143876	9.078	ug/l 97
27) cis-1,2-Dichloroethene	7.16	96	157939	9.980	ug/l 97
28) Bromochloromethane	7.51	49	120844	10.322	ug/l 100
29) Tetrahydrofuran	7.52	42	168794	52.690	ug/l 96
30) Chloroform	7.67	83	271815	9.469	ug/l 95
31) Cyclohexane	7.95	56	296286	11.045	ug/l # 89
32) 1,1,1-Trichloroethane	7.87	97	209799	9.310	ug/l 99
36) 1,1-Dichloropropene	8.08	75	230271	10.481	ug/l 99
37) Ethyl Acetate	7.26	43	116249	10.413	ug/l # 96
38) Carbon Tetrachloride	8.06	117	198025	9.235	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	271515	10.982	ug/l	99
40) Benzene	8.32	78	647762	10.783	ug/l	99
41) Methacrylonitrile	7.49	41	62689	9.852	ug/l	92
42) 1,2-Dichloroethane	8.40	62	183496	8.888	ug/l	98
43) Isopropyl Acetate	8.43	43	186883	8.933	ug/l	97
44) Trichloroethene	9.09	130	158403	10.382	ug/l	92
45) 1,2-Dichloropropane	9.37	63	159418	10.096	ug/l	97
46) Dibromomethane	9.46	93	83557	10.210	ug/l	99
47) Bromodichloromethane	9.64	83	191249	9.053	ug/l	100
48) Methyl methacrylate	9.44	41	85192	8.366	ug/l #	85
49) 1,4-Dioxane	9.45	88	25881	206.966	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	549504	50.150	ug/l	95
52) Toluene	10.39	92	384763	10.282	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	187676	8.960	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	222794	9.315	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	115905	10.147	ug/l	98
56) Ethyl methacrylate	10.65	69	135004	9.507	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	203955	9.962	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	333629	51.017	ug/l	100
59) 2-Hexanone	10.97	43	373689	48.993	ug/l	95
60) Dibromochloromethane	11.13	129	121328	9.190	ug/l	99
61) 1,2-Dibromoethane	11.23	107	111177	10.232	ug/l	99
64) Tetrachloroethene	10.86	164	135230	10.864	ug/l	99
65) Chlorobenzene	11.66	112	396349	10.100	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	131105	9.342	ug/l	98
67) Ethyl Benzene	11.73	91	712687	10.179	ug/l	98
68) m/p-Xylenes	11.84	106	529336	20.225	ug/l	99
69) o-Xylene	12.17	106	233185	9.785	ug/l	98
70) Styrene	12.18	104	402851	9.804	ug/l	98
71) Bromoform	12.35	173	74342	10.018	ug/l #	99
73) Isopropylbenzene	12.47	105	659023	9.910	ug/l	100
74) N-amyl acetate	12.27	43	156497	8.498	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.71	83	154696	11.775	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	189829	19.851	ug/l #	100
77) Bromobenzene	12.75	156	152926	9.999	ug/l	99
78) n-propylbenzene	12.80	91	826516	10.028	ug/l	100
79) 2-Chlorotoluene	12.89	91	475588	10.033	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	562600	9.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	43751	10.788	ug/l	97
82) 4-Chlorotoluene	12.99	91	507499	10.173	ug/l	99
83) tert-Butylbenzene	13.21	119	455551	9.756	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	564112	9.868	ug/l	100
85) sec-Butylbenzene	13.39	105	695803	9.972	ug/l	100
86) p-Isopropyltoluene	13.50	119	604219	9.825	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	312622	10.112	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	311073	10.080	ug/l	98
89) n-Butylbenzene	13.83	91	607123	9.964	ug/l	99
90) Hexachloroethane	14.10	117	112800	9.576	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	279660	10.089	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25795	10.971	ug/l	97

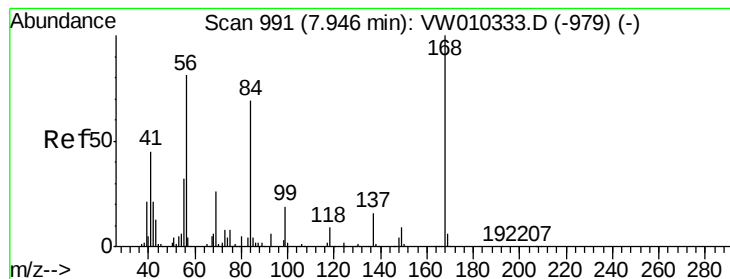
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW050919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	174690	9.552	ug/l	99
94) Hexachlorobutadiene	15.24	225	115608	10.410	ug/l	100
95) Naphthalene	15.37	128	322917	9.835	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	156770	9.881	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

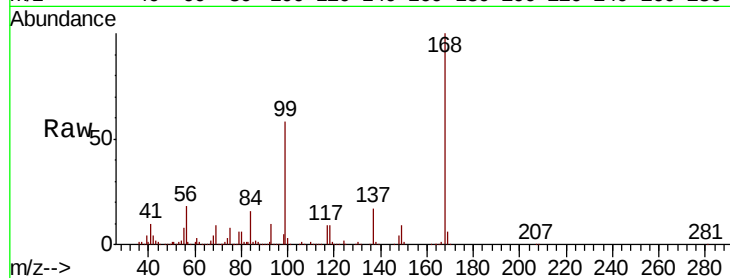
VSTDIC010

Tgt Ion:168 Resp: 1344192

Ion Ratio Lower Upper

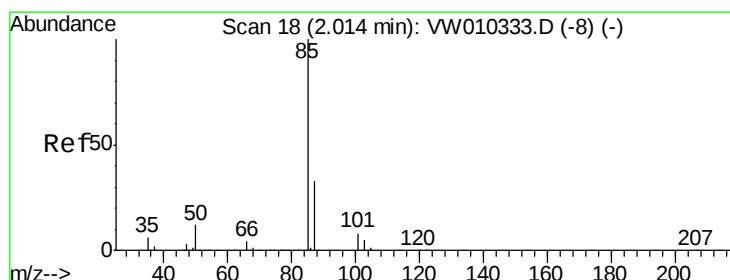
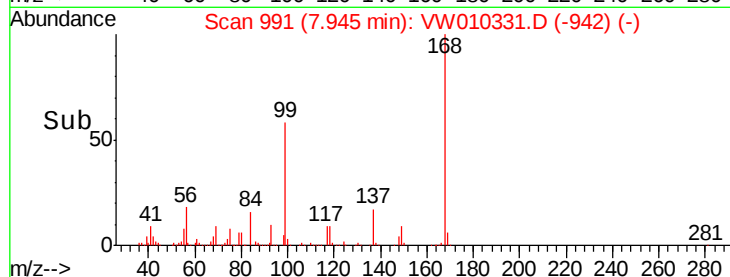
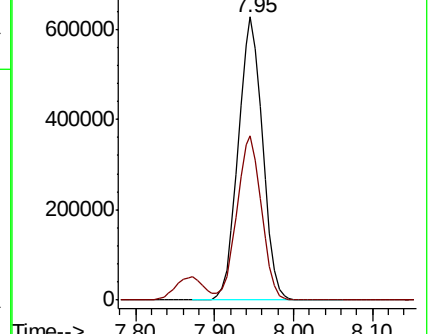
168 100

99 57.8 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: 9.153 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010331.D

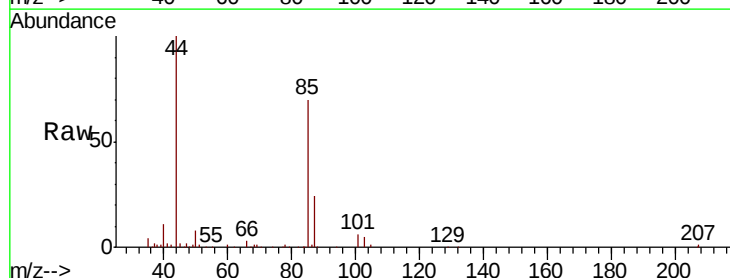
Acq: 09 May 2019 11:38

Tgt Ion: 85 Resp: 93807

Ion Ratio Lower Upper

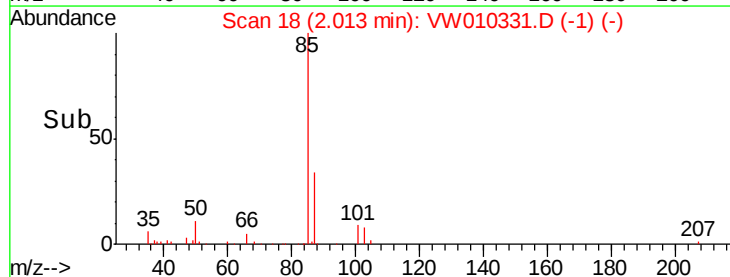
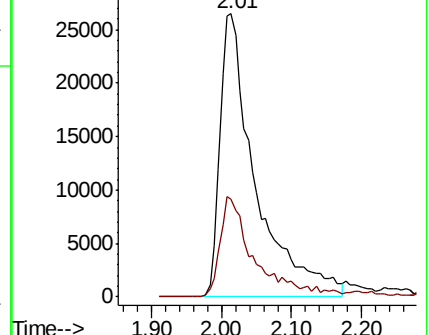
85 100

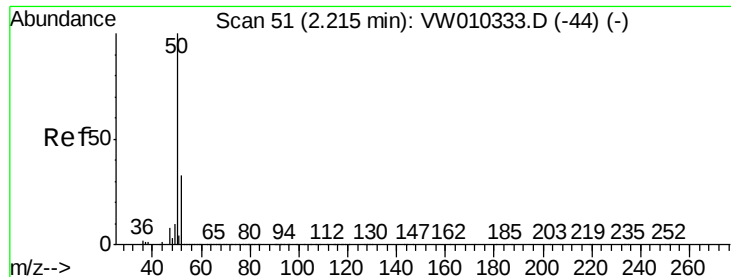
87 34.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 12.215 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

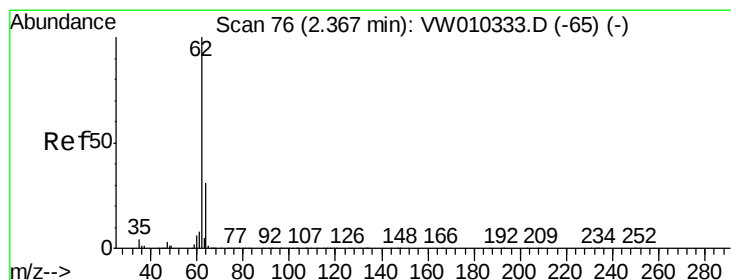
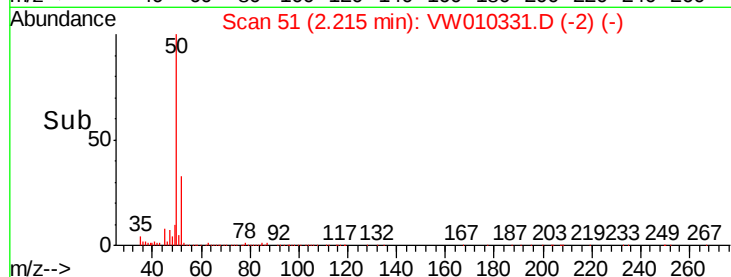
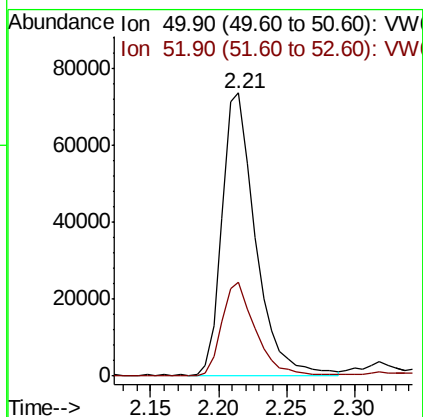
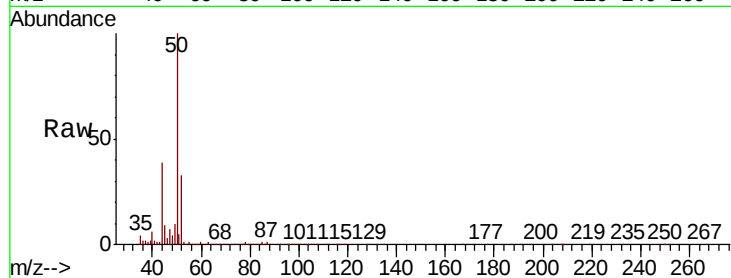
VSTDIC010

Tgt Ion: 50 Resp: 125196

Ion Ratio Lower Upper

50 100

52 33.1 25.0 37.6



#4

Vinyl Chloride

Concen: 13.633 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW010331.D

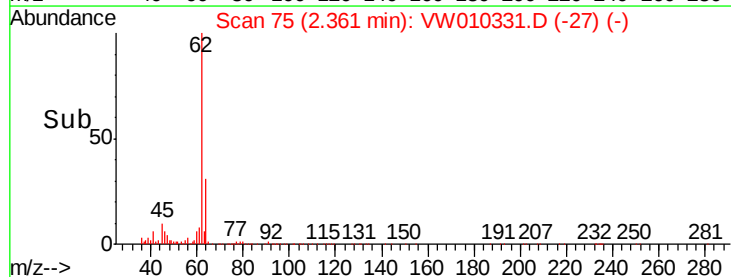
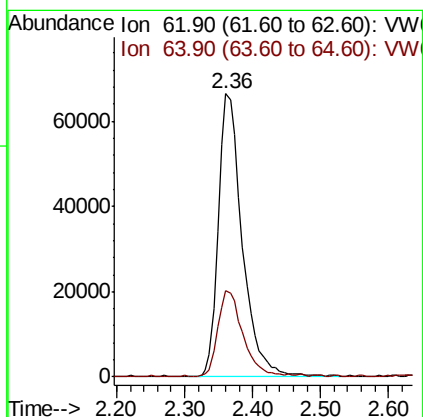
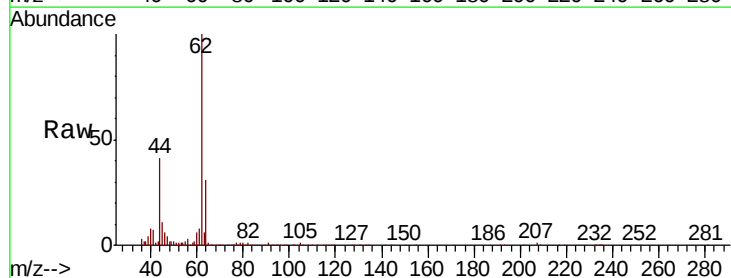
Acq: 09 May 2019 11:38

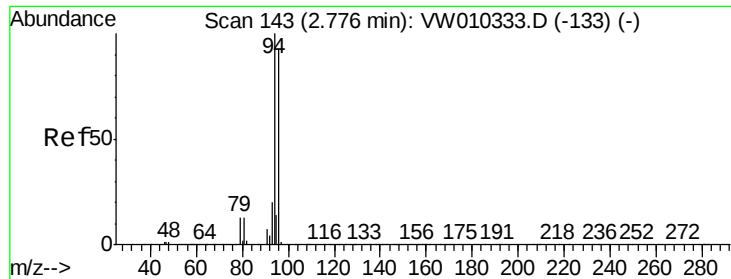
Tgt Ion: 62 Resp: 162425

Ion Ratio Lower Upper

62 100

64 30.2 25.9 38.9





#5

Bromomethane

Concen: 12.023 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

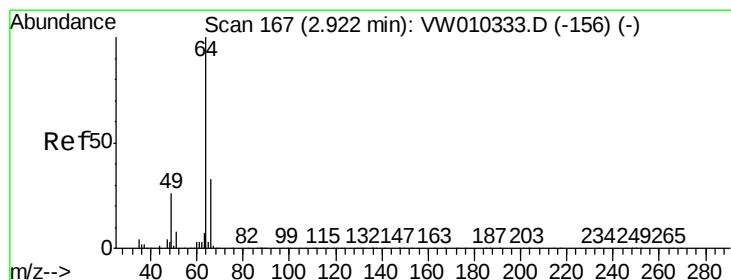
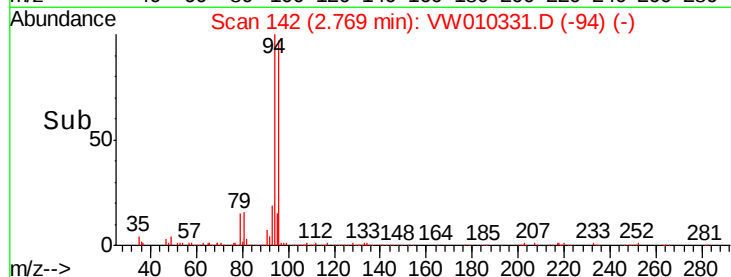
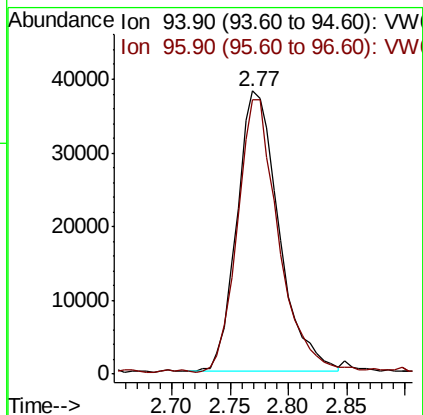
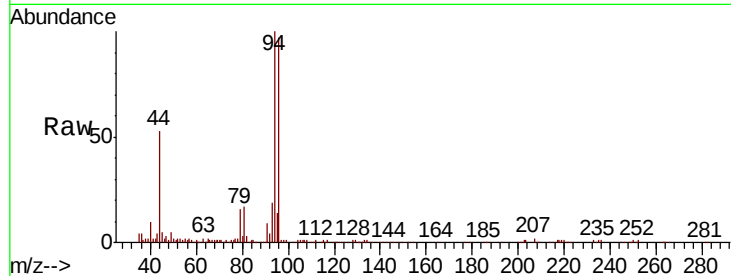
VSTDIC010

Tgt Ion: 94 Resp: 96265

Ion Ratio Lower Upper

94 100

96 96.6 74.2 111.2



#6

Chloroethane

Concen: 12.039 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010331.D

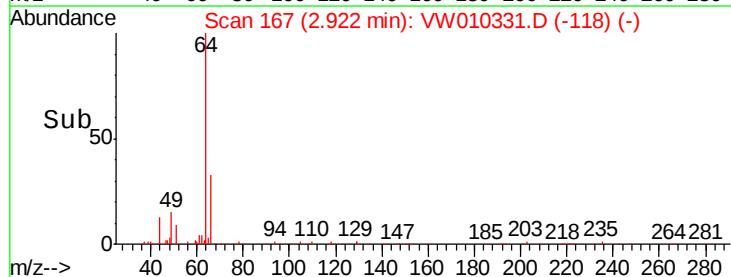
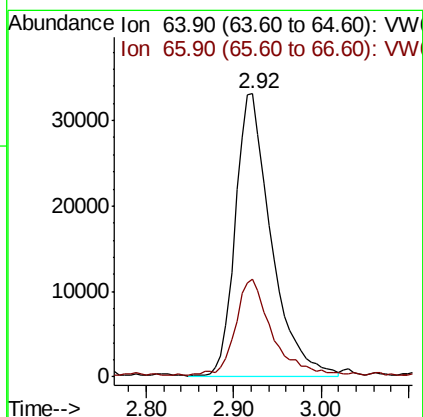
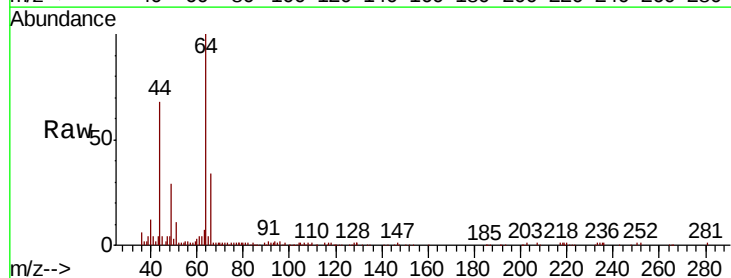
Acq: 09 May 2019 11:38

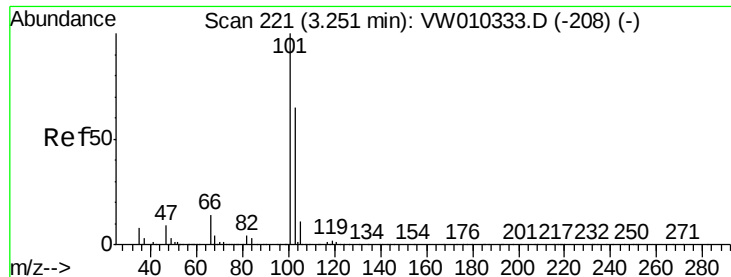
Tgt Ion: 64 Resp: 93714

Ion Ratio Lower Upper

64 100

66 33.7 23.4 35.0





#7

Trichlorofluoromethane

Concen: 9.588 ug/l

RT: 3.25 min Scan# 221

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

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ClientSampleId :

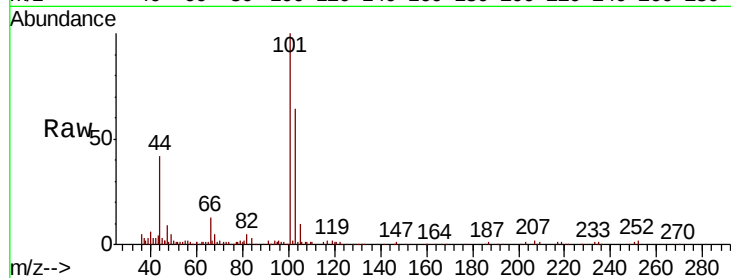
VSTDIC010

Tgt Ion:101 Resp: 78983

Ion Ratio Lower Upper

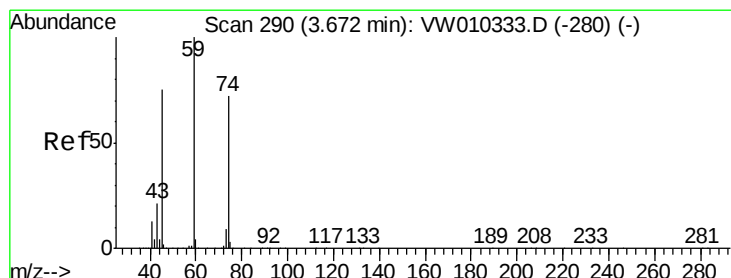
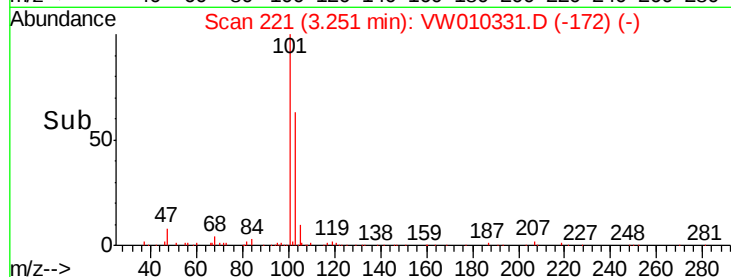
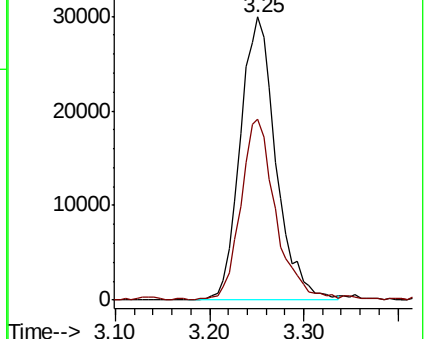
101 100

103 63.7 49.8 74.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 11.087 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW010331.D

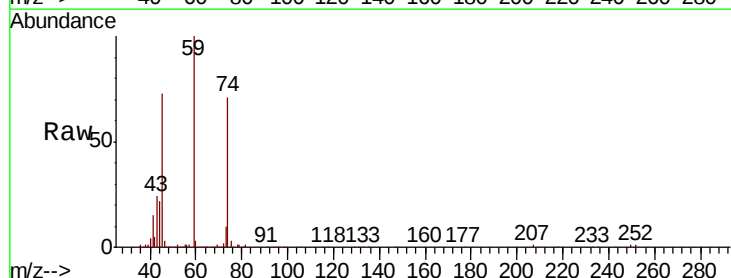
Acq: 09 May 2019 11:38

Tgt Ion: 74 Resp: 75969

Ion Ratio Lower Upper

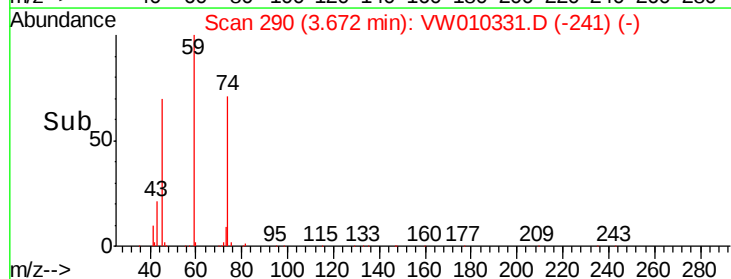
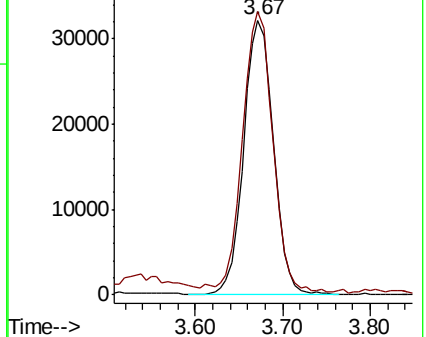
74 100

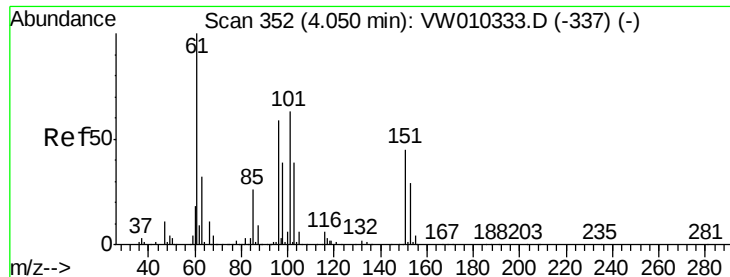
45 103.1 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.104 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010331.D

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VSTDIC010

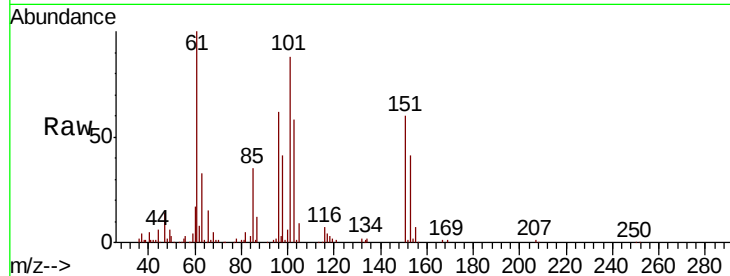
Tgt Ion:101 Resp: 140048

Ion Ratio Lower Upper

101 100

85 41.3 36.3 54.5

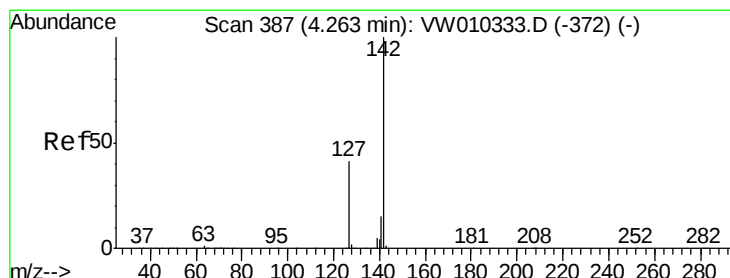
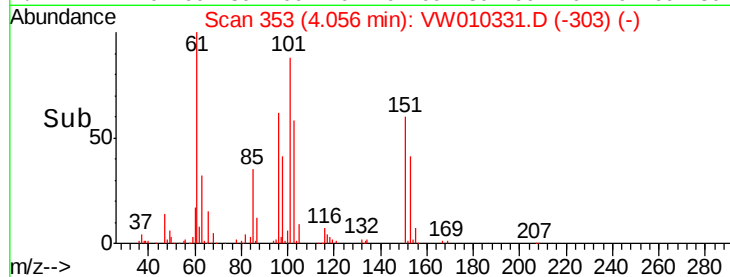
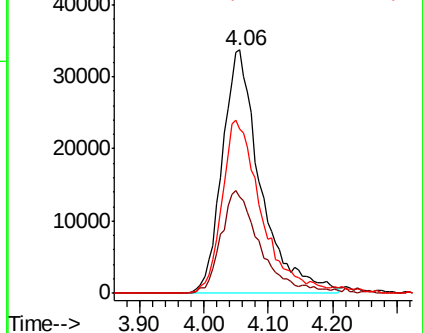
151 72.7 60.2 90.2



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: 10.083 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

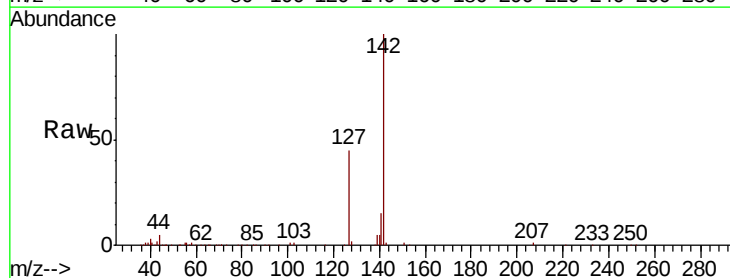
Tgt Ion:142 Resp: 193143

Ion Ratio Lower Upper

142 100

127 42.9 38.1 57.1

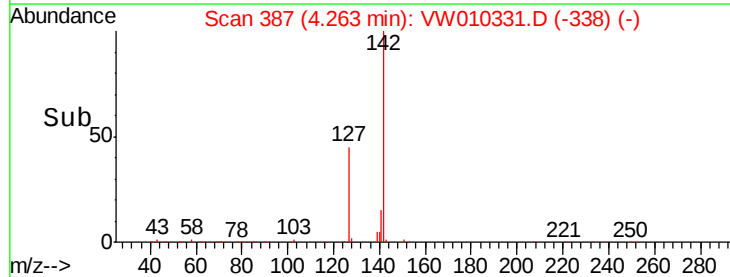
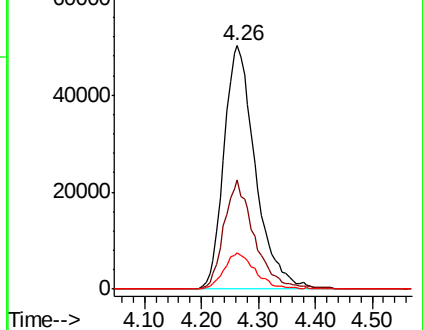
141 14.8 12.2 18.2

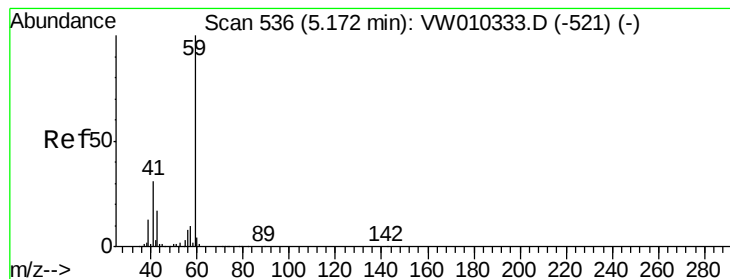


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



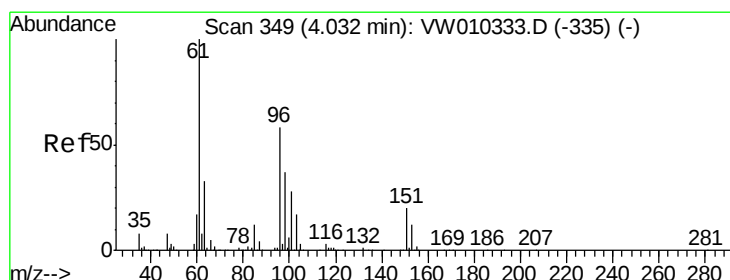
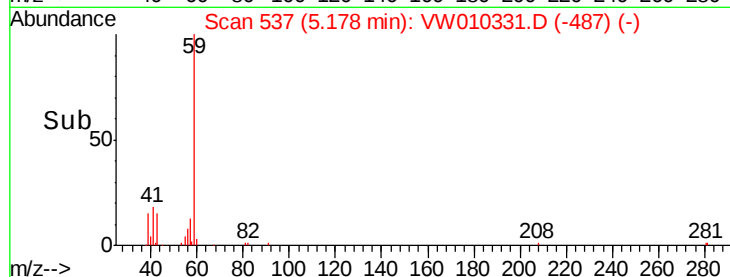
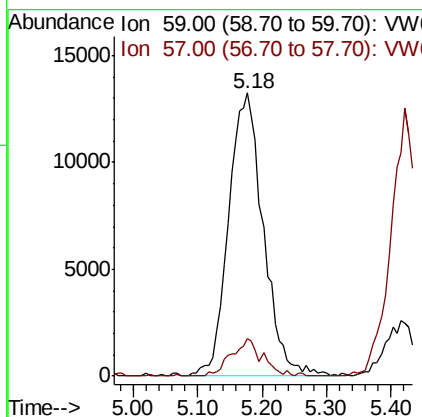
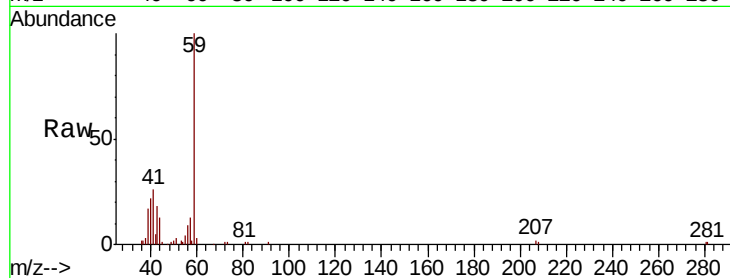


#11

Tert butyl alcohol
 Concen: 52.577 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

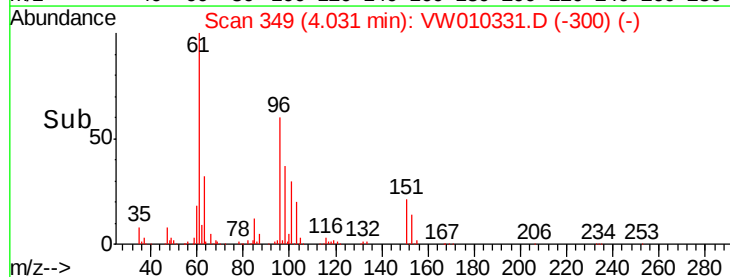
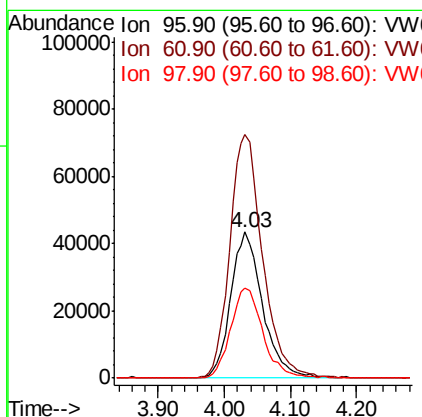
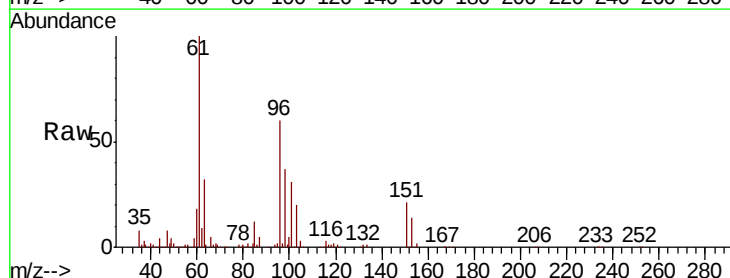
Tgt Ion: 59 Resp: 49678
 Ion Ratio Lower Upper
 59 100
 57 11.7 9.0 13.4

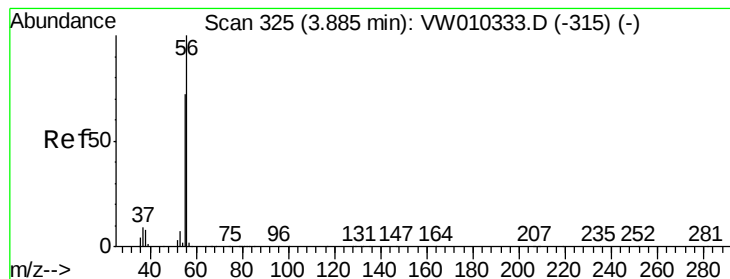


#12

1,1-Dichloroethene
 Concen: 10.977 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion: 96 Resp: 145871
 Ion Ratio Lower Upper
 96 100
 61 166.5 147.4 221.2
 98 61.9 49.7 74.5





#13

Acrolein

Concen: 66.139 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampled :

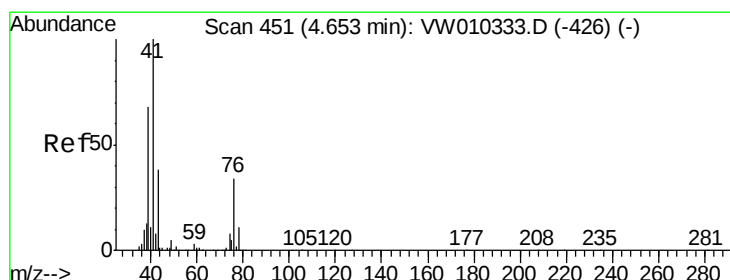
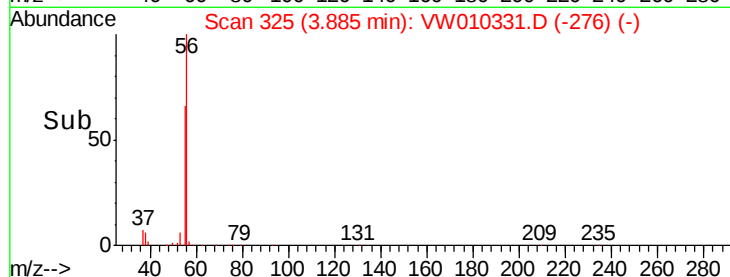
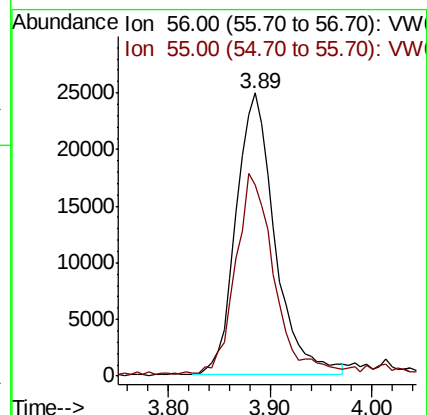
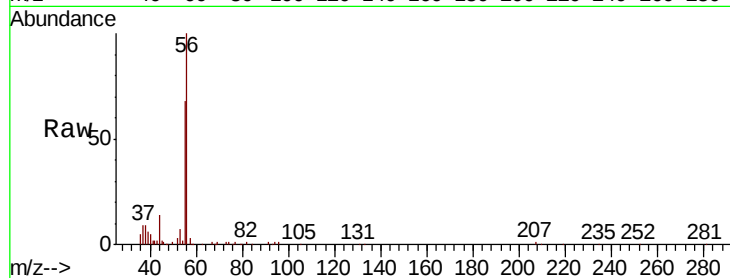
VSTDIC010

Tgt Ion: 56 Resp: 65745

Ion Ratio Lower Upper

56 100

55 69.7 54.2 81.2



#14

Allyl chloride

Concen: 9.002 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

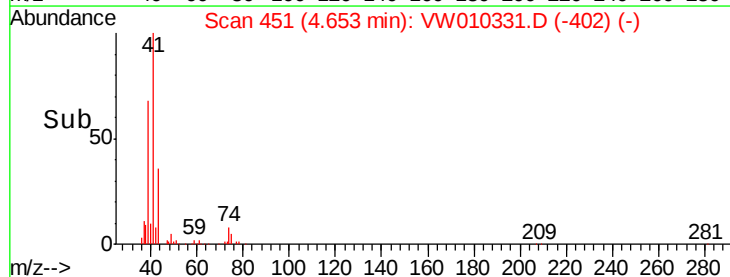
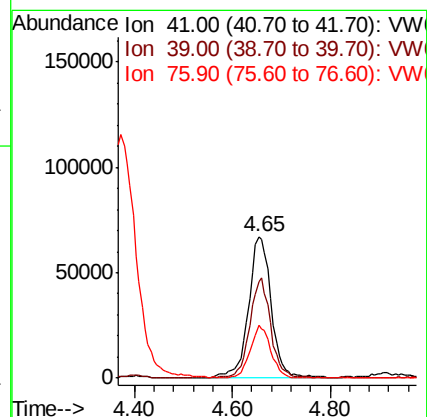
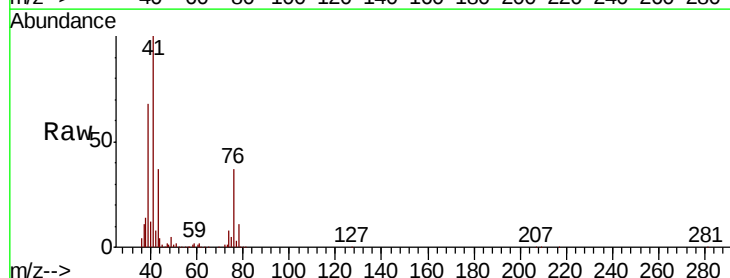
Tgt Ion: 41 Resp: 212675

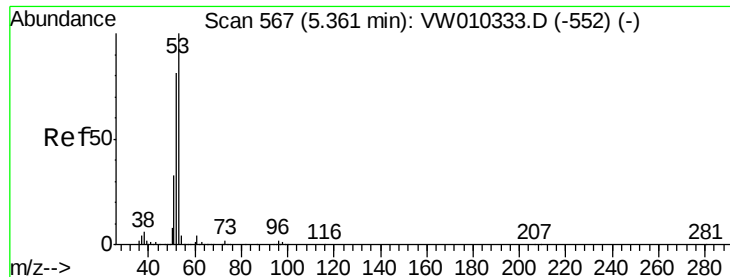
Ion Ratio Lower Upper

41 100

39 64.8 60.2 90.4

76 32.9 25.0 37.6





#15

Acrylonitrile

Concen: 57.510 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

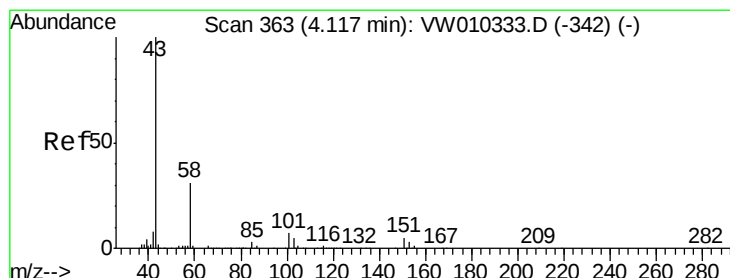
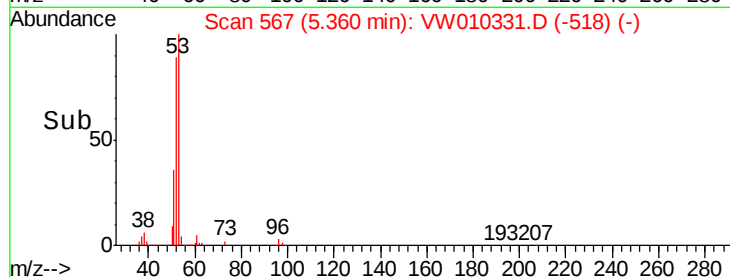
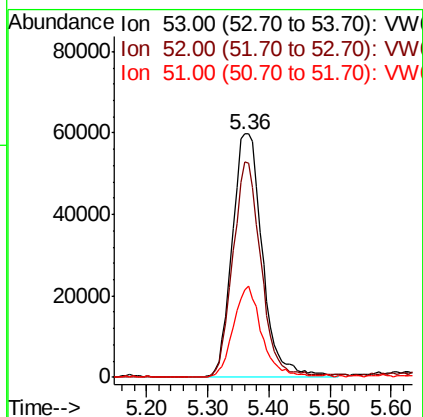
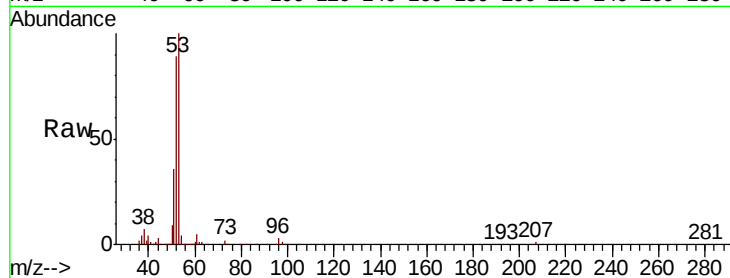
Tgt Ion: 53 Resp: 202795

Ion Ratio Lower Upper

53 100

52 82.7 66.6 100.0

51 35.4 30.3 45.5



#16

Acetone

Concen: 45.331 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010331.D

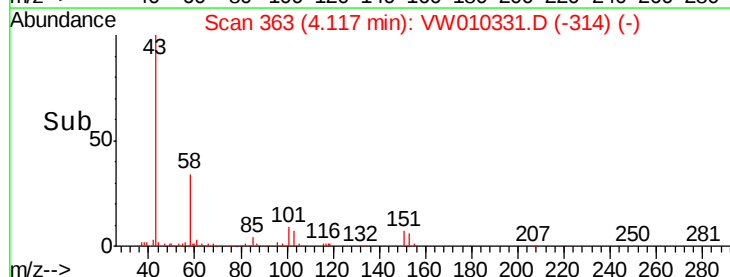
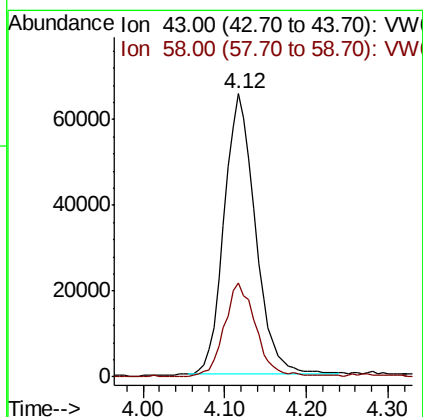
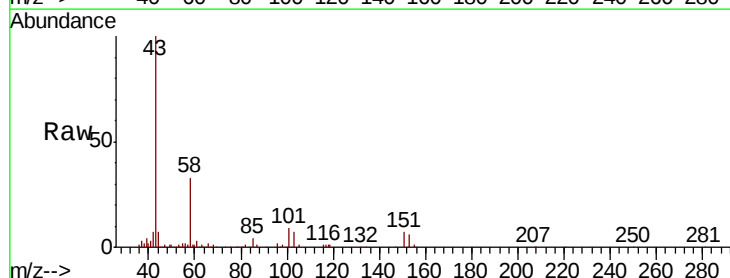
Acq: 09 May 2019 11:38

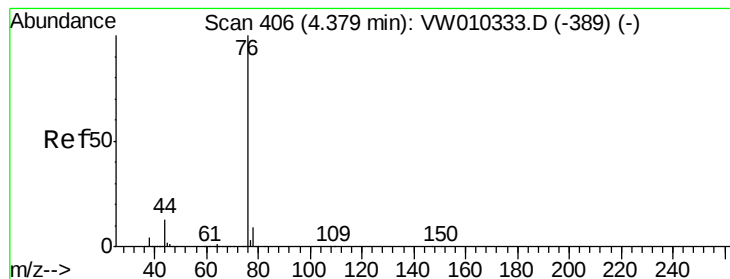
Tgt Ion: 43 Resp: 174468

Ion Ratio Lower Upper

43 100

58 33.4 22.7 34.1





#17

Carbon Disulfide

Concen: 11.610 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

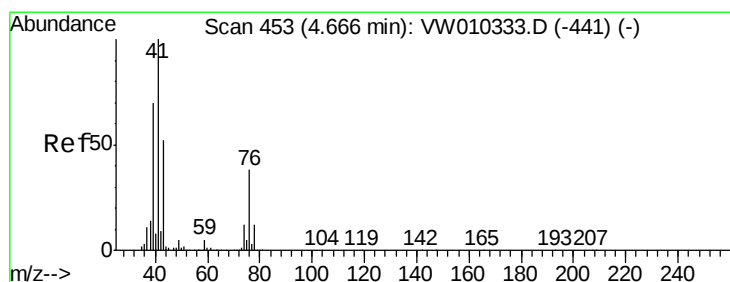
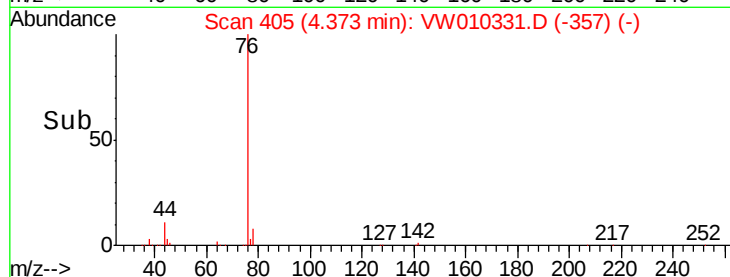
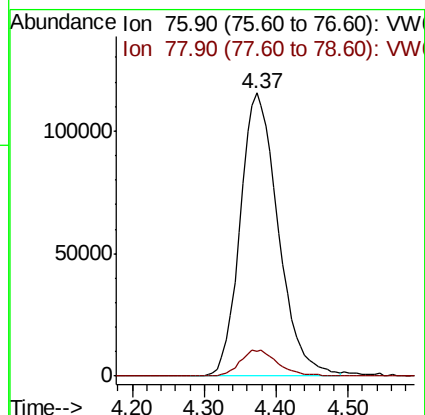
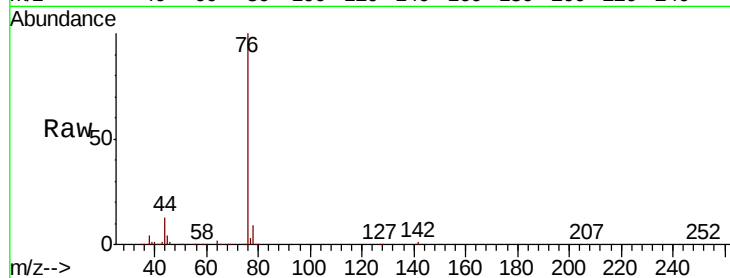
VSTDIC010

Tgt Ion: 76 Resp: 423194

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2



#18

Methyl Acetate

Concen: 10.133 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010331.D

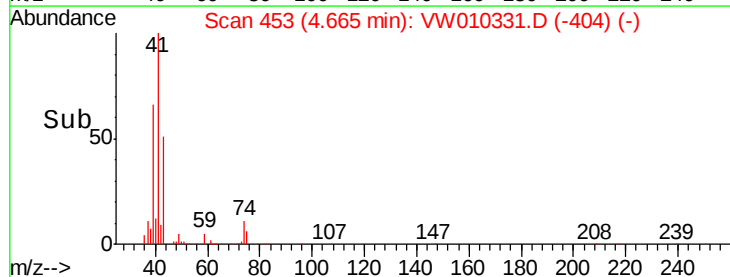
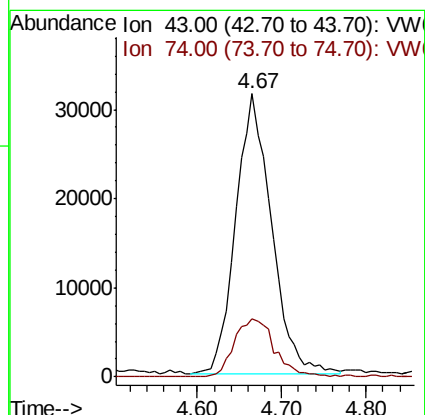
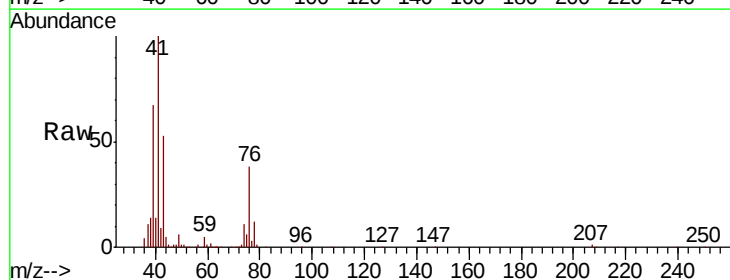
Acq: 09 May 2019 11:38

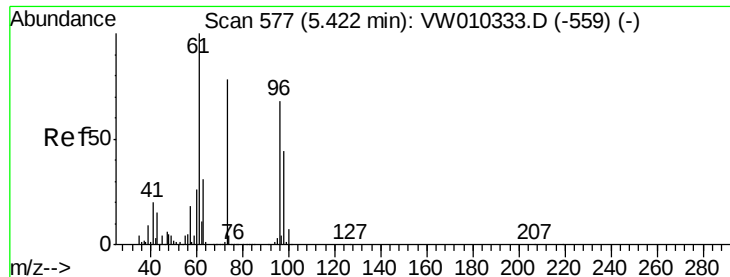
Tgt Ion: 43 Resp: 90263

Ion Ratio Lower Upper

43 100

74 23.4 16.8 25.2





#19

Methyl tert-butyl Ether

Concen: 9.659 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

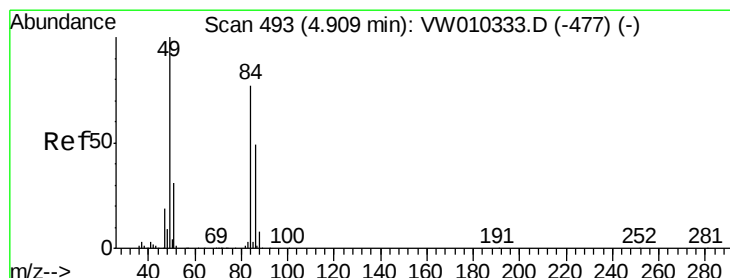
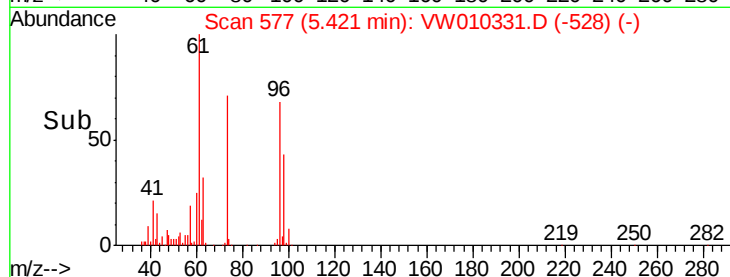
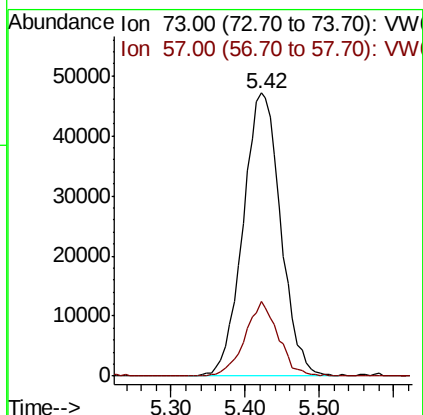
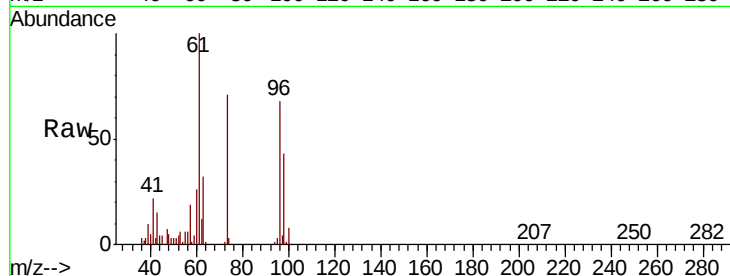
VSTDIC010

Tgt Ion: 73 Resp: 166718

Ion Ratio Lower Upper

73 100

57 26.6 18.5 27.7



#20

Methylene Chloride

Concen: 8.975 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Tgt Ion: 84 Resp: 158921

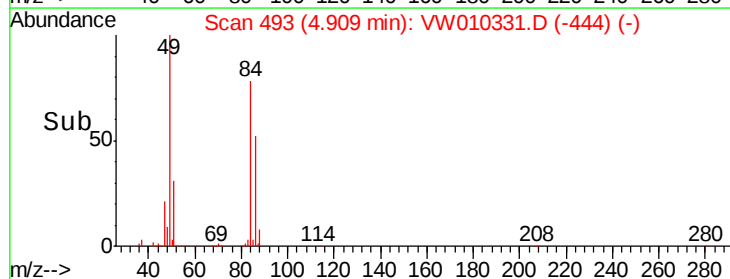
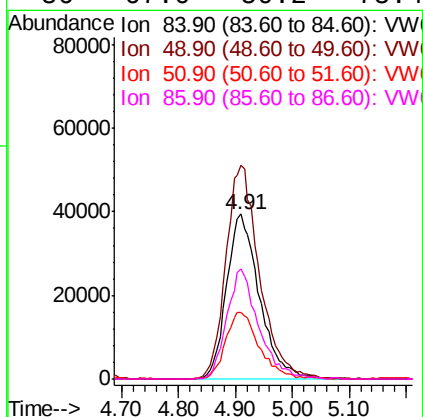
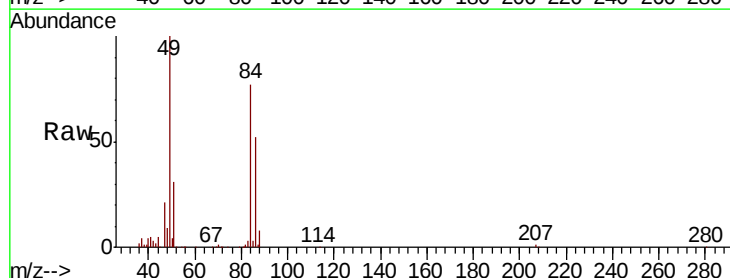
Ion Ratio Lower Upper

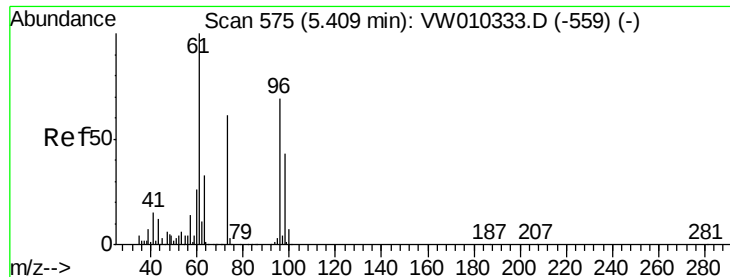
84 100

49 129.6 112.3 168.5

51 40.8 33.9 50.9

86 67.0 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 10.802 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

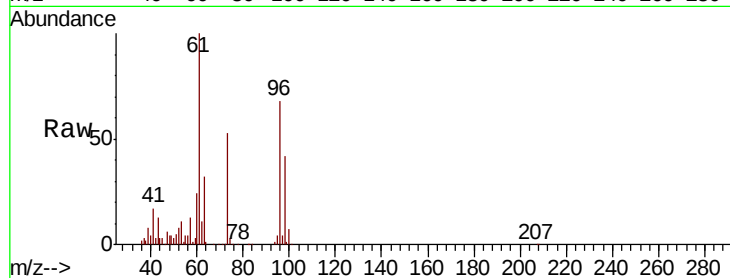
Tgt Ion: 96 Resp: 155436

Ion Ratio Lower Upper

96 100

61 147.9 122.3 183.5

98 62.4 50.5 75.7

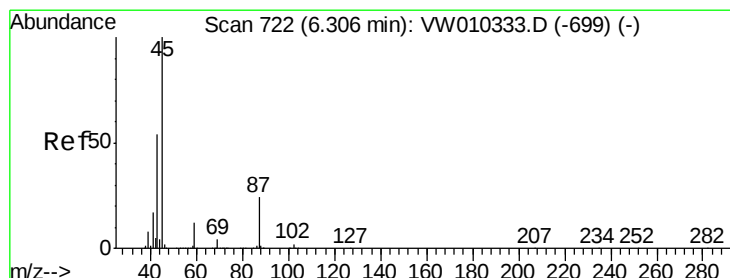
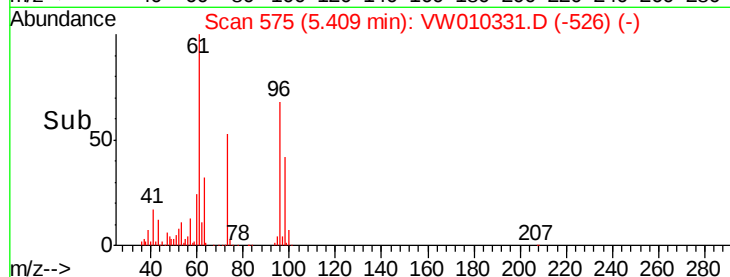
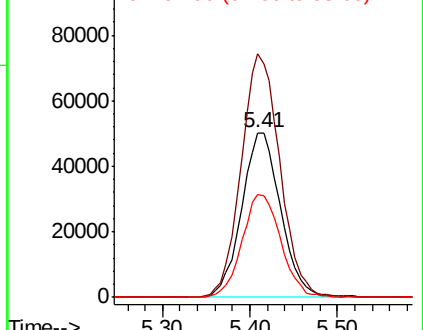


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 8.881 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Tgt Ion: 45 Resp: 425594

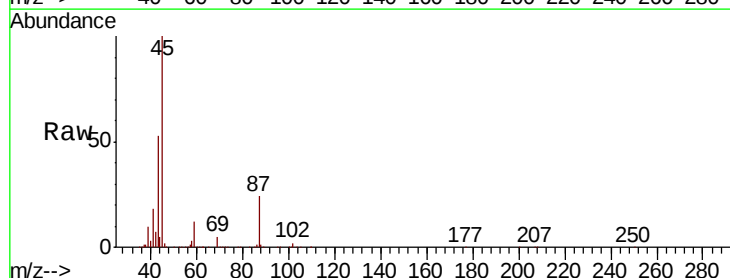
Ion Ratio Lower Upper

45 100

43 53.3 46.1 69.1

87 23.4 18.3 27.5

59 11.8 8.2 12.4



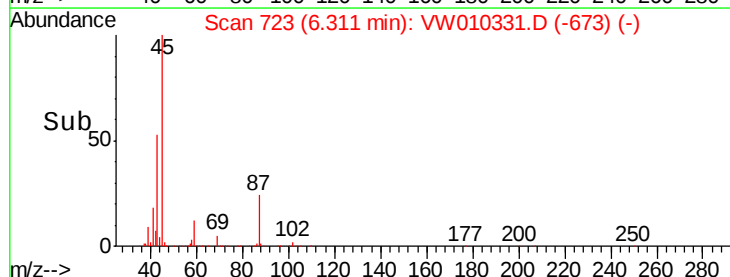
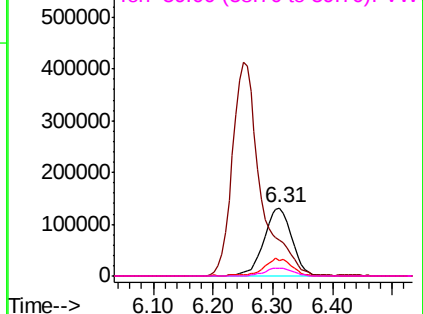
Abundance

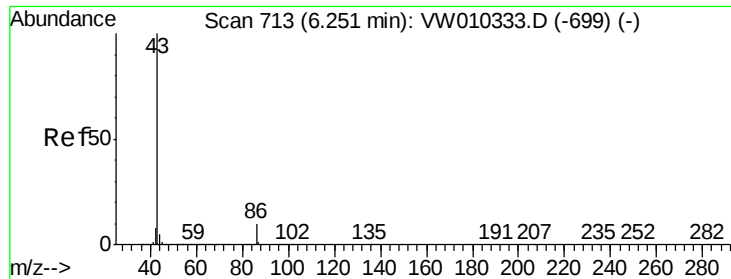
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW

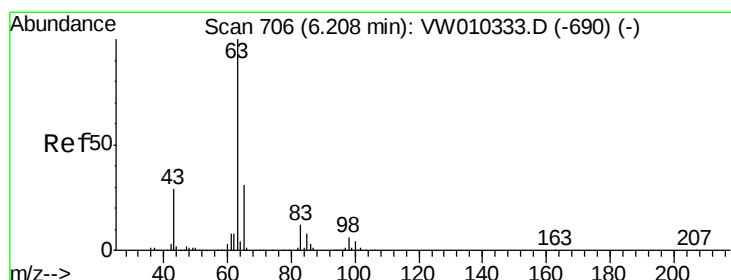
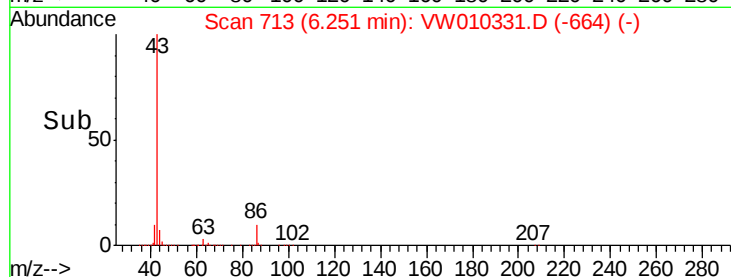
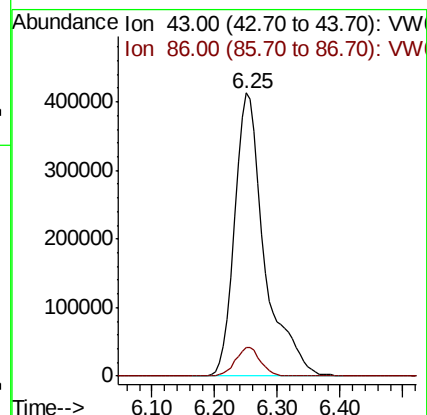
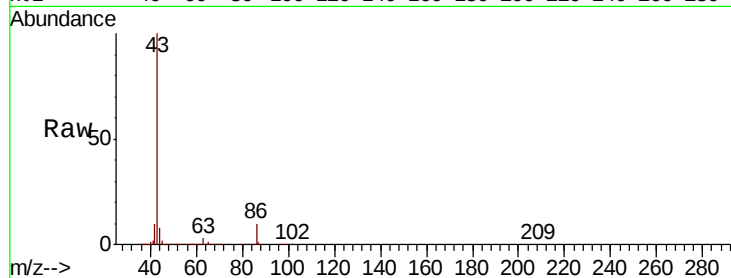




#23
 Vinyl Acetate
 Concen: 45.073 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

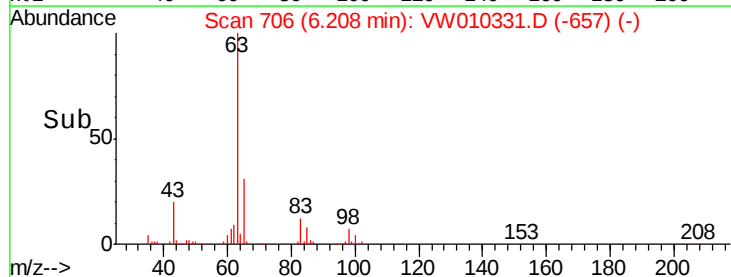
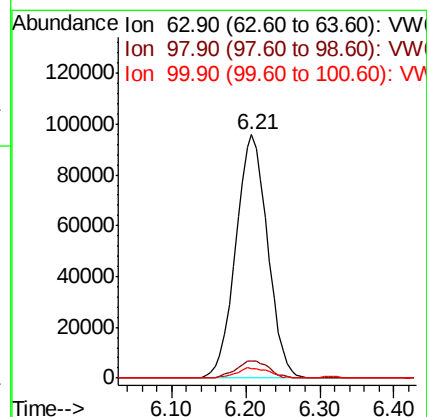
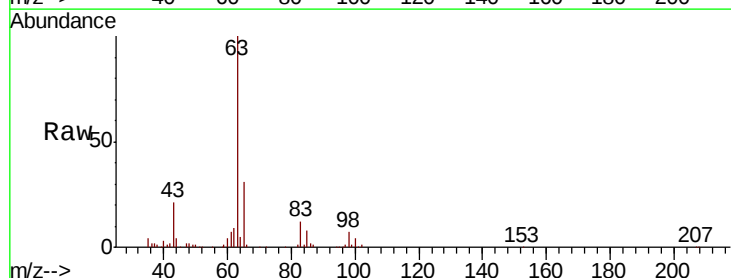
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

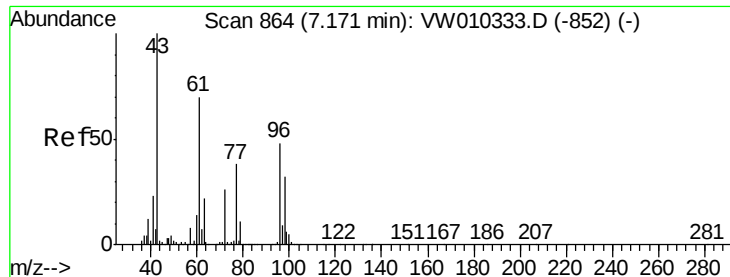
Tgt Ion: 43 Resp: 1359736
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 10.044 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion: 63 Resp: 287728
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.8
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 52.703 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampled :

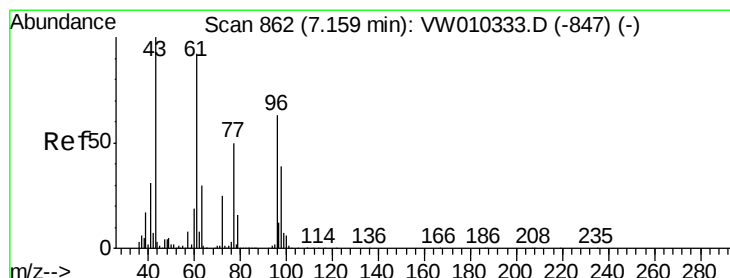
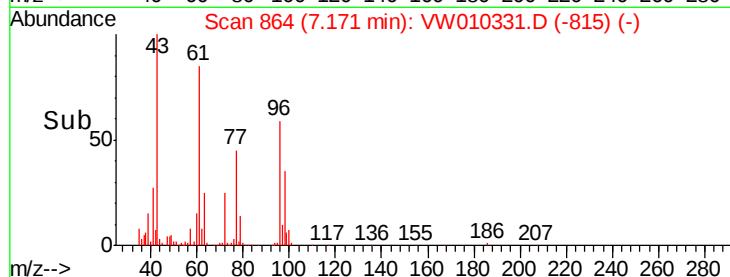
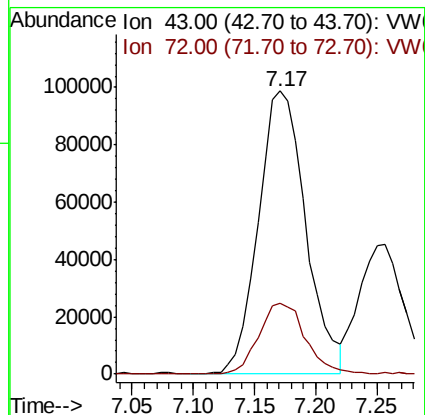
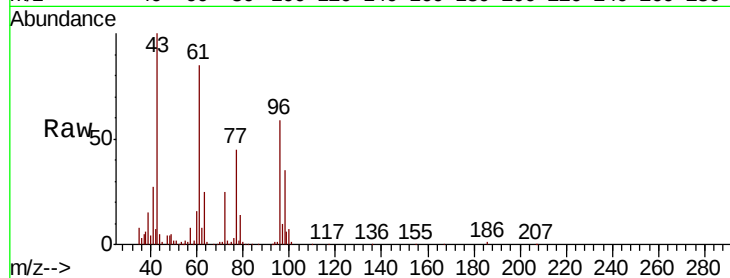
VSTDIC010

Tgt Ion: 43 Resp: 266457

Ion Ratio Lower Upper

43 100

72 25.2 19.1 28.7



#26

2,2-Dichloropropane

Concen: 9.078 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010331.D

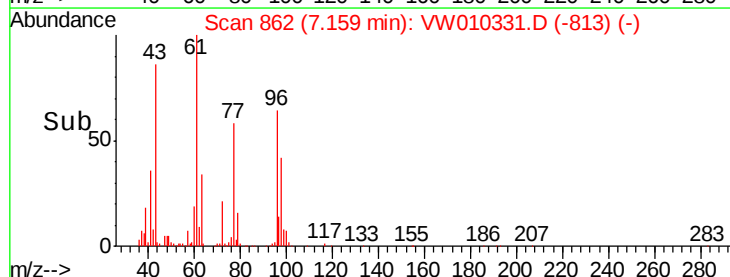
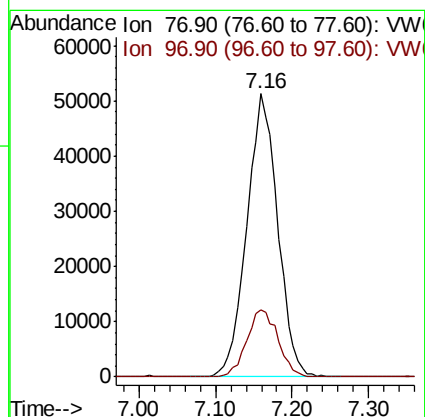
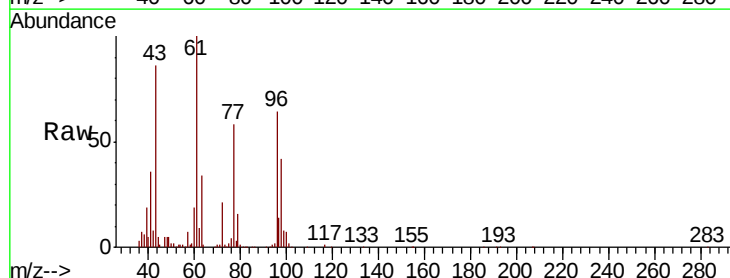
Acq: 09 May 2019 11:38

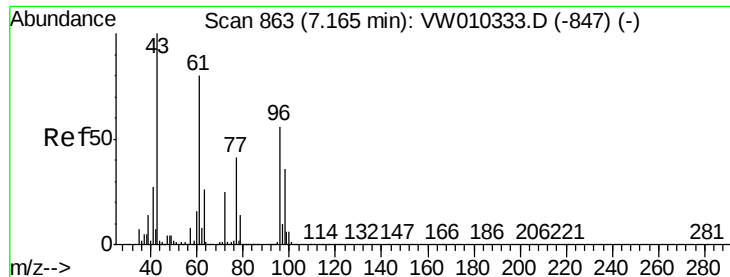
Tgt Ion: 77 Resp: 143876

Ion Ratio Lower Upper

77 100

97 24.2 11.3 33.9



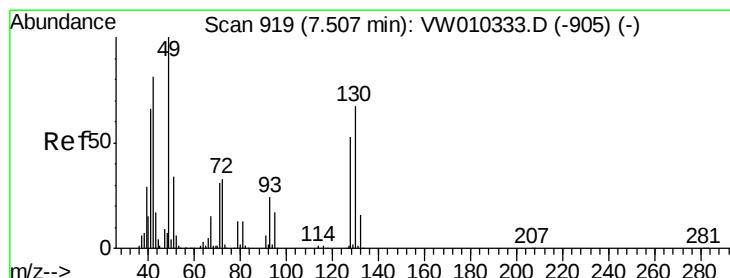
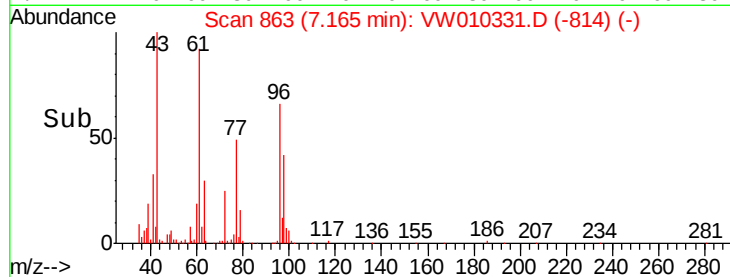
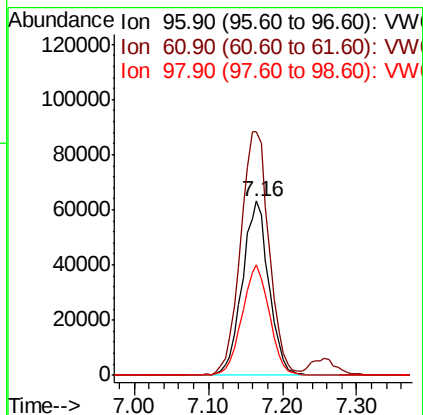
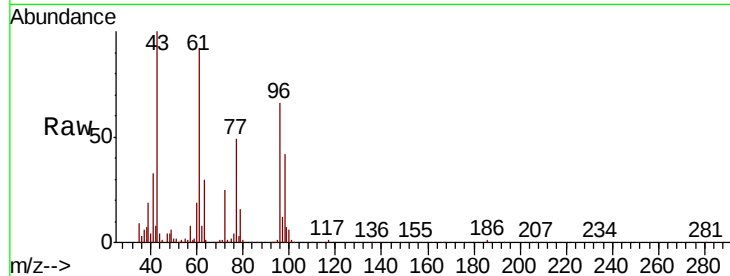


#27

cis-1,2-Dichloroethene
Concen: 9.980 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

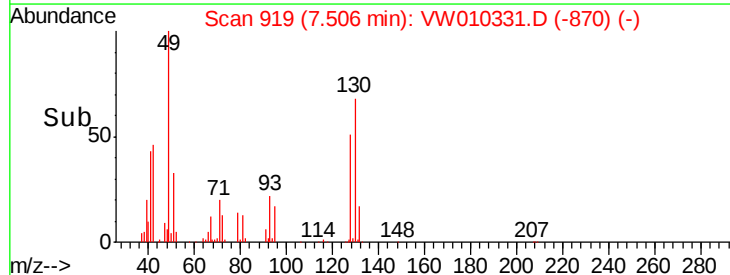
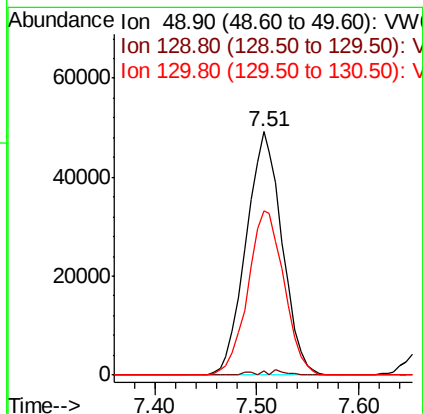
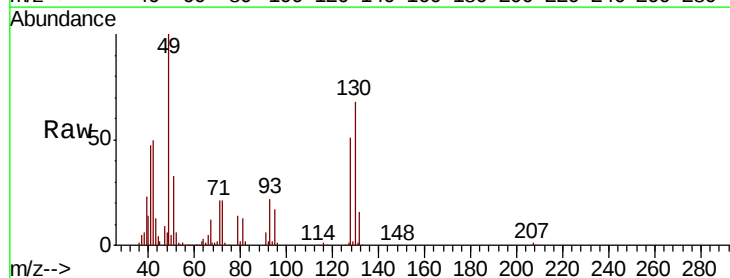
Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	309.4
98	65.2	0.0	128.6

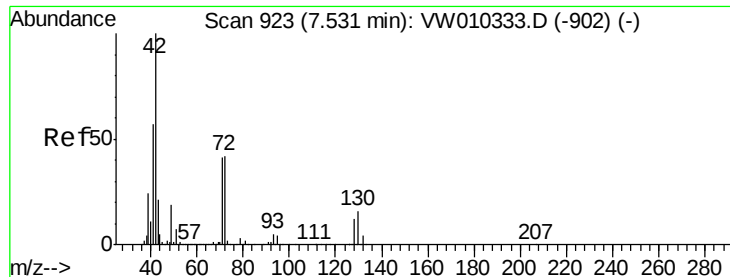


#28

Bromochloromethane
Concen: 10.322 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.8
130	68.0	54.6	82.0





#29

Tetrahydrofuran

Concen: 52.690 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

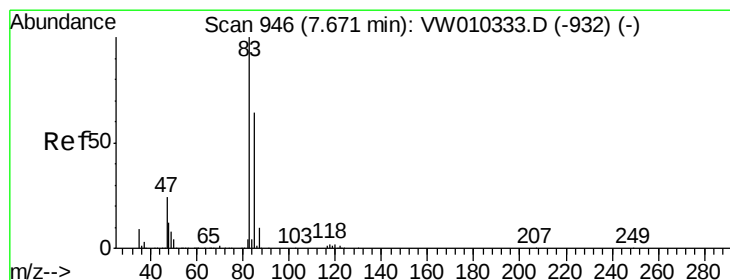
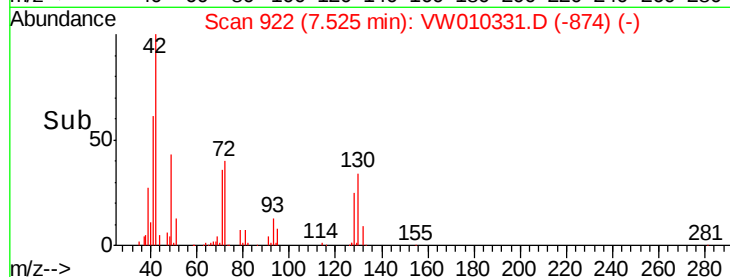
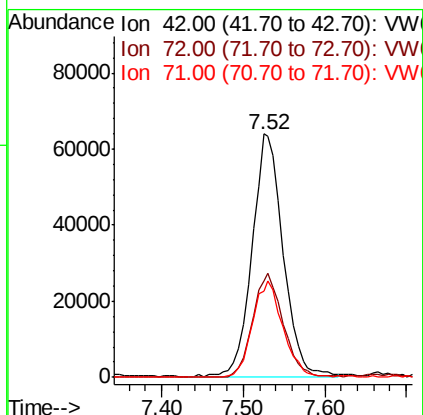
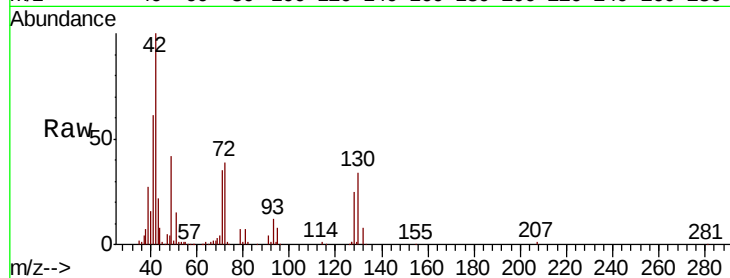
Tgt Ion: 42 Resp: 168794

Ion Ratio Lower Upper

42 100

72 41.9 31.0 46.6

71 39.1 29.7 44.5



#30

Chloroform

Concen: 9.469 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010331.D

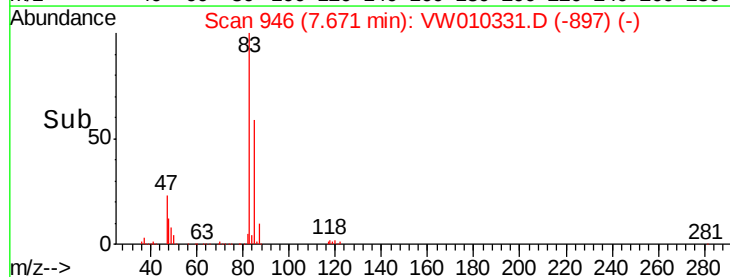
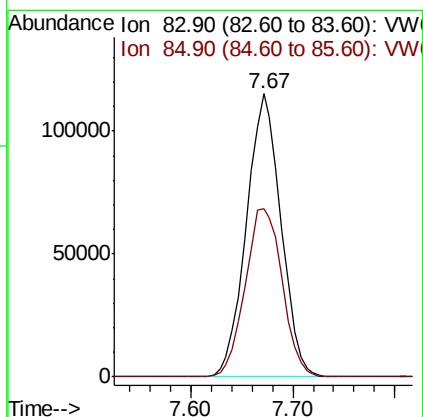
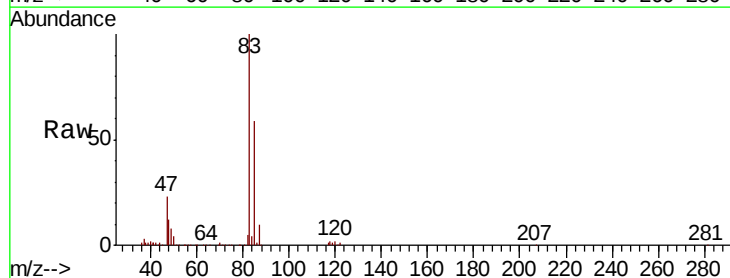
Acq: 09 May 2019 11:38

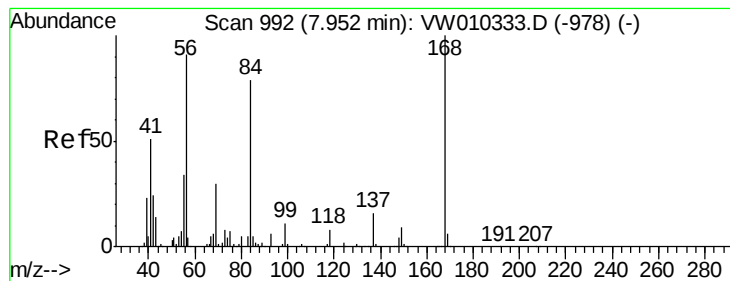
Tgt Ion: 83 Resp: 271815

Ion Ratio Lower Upper

83 100

85 59.5 50.7 76.1





#31

Cyclohexane

Concen: 11.045 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

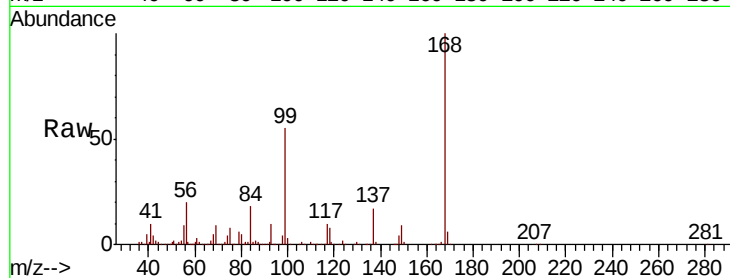
Tgt Ion: 56 Resp: 296286

Ion Ratio Lower Upper

56 100

69 45.0 26.6 40.0#

84 88.9 66.2 99.2

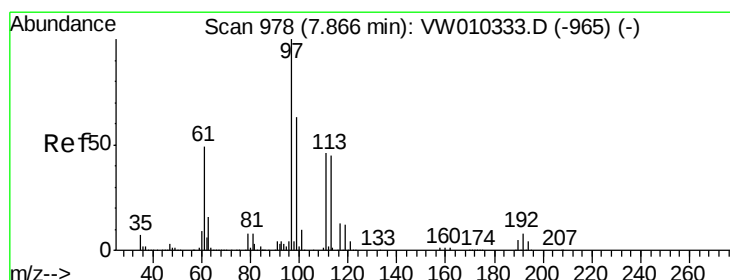
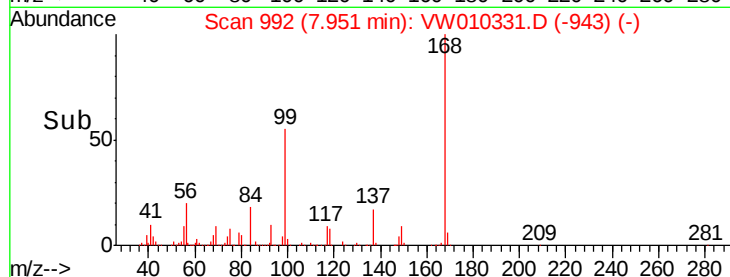
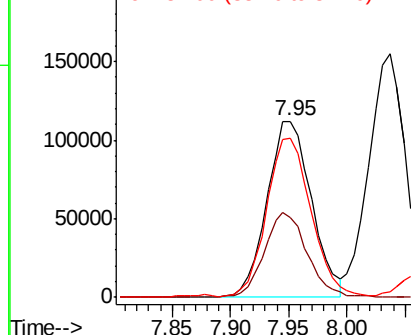


Abundance

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: 9.310 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

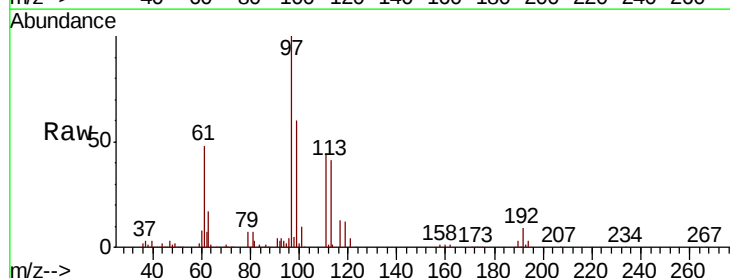
Tgt Ion: 97 Resp: 209799

Ion Ratio Lower Upper

97 100

99 63.5 50.2 75.2

61 48.4 38.2 57.2

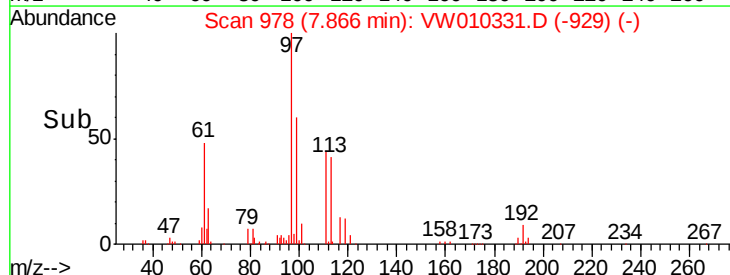
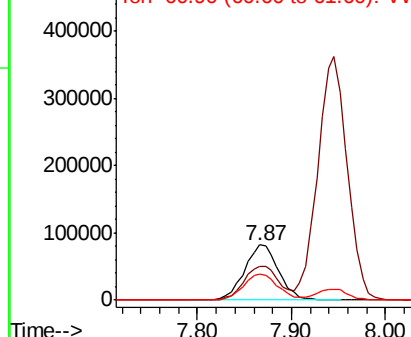


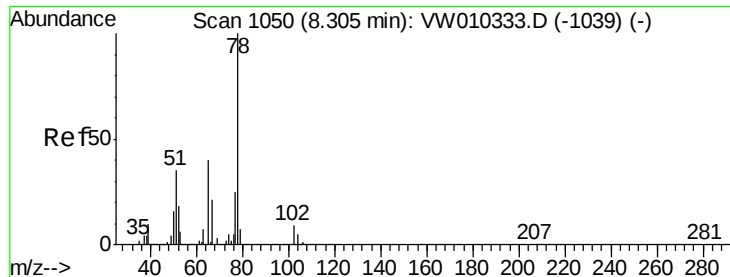
Abundance

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: 8.872 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

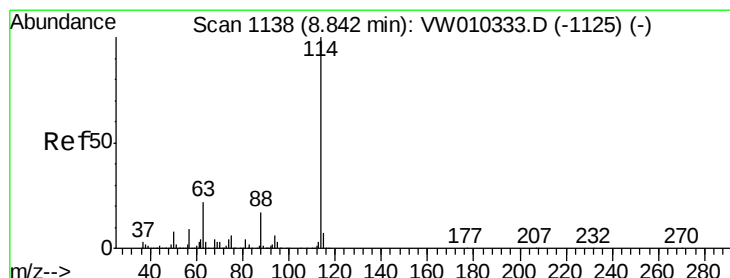
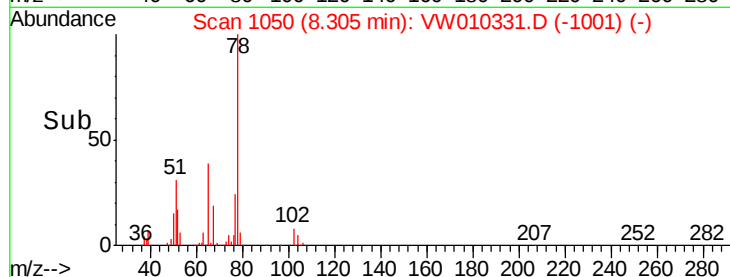
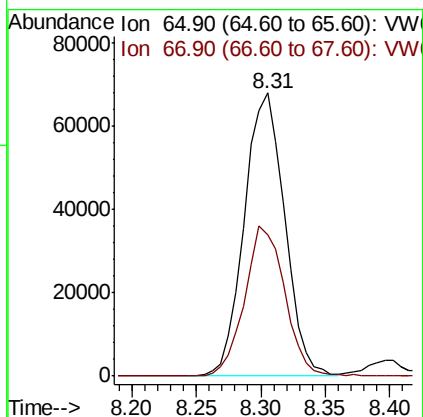
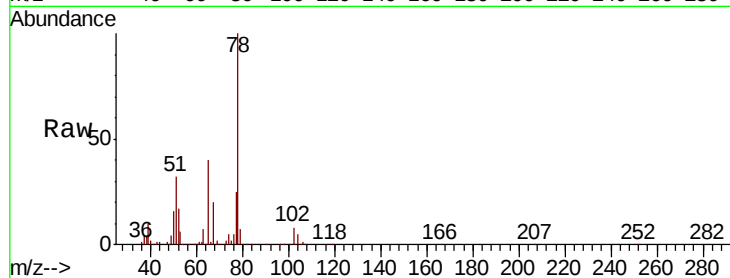
VSTDIC010

Tgt Ion: 65 Resp: 147166

Ion Ratio Lower Upper

65 100

67 52.7 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: VW010331.D

Acq: 09 May 2019 11:38

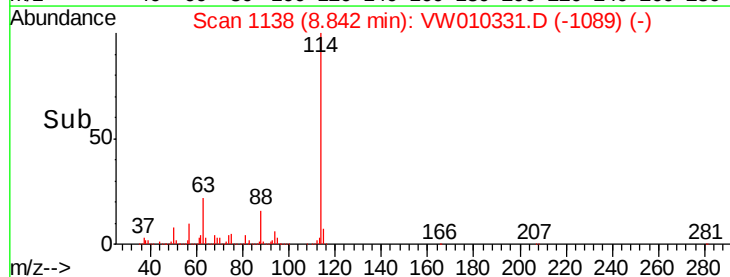
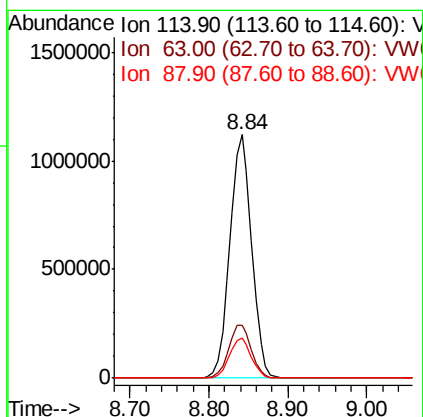
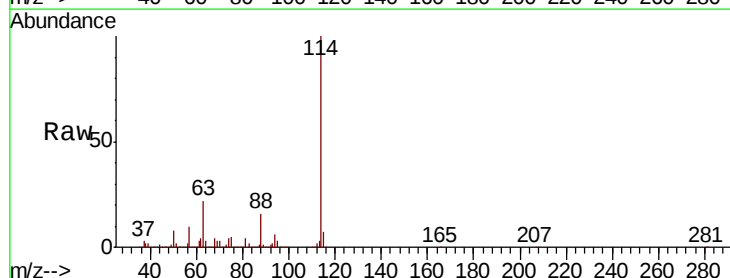
Tgt Ion: 114 Resp: 2150823

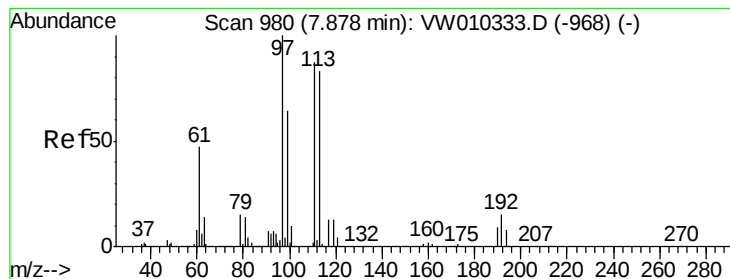
Ion Ratio Lower Upper

114 100

63 21.9 0.0 46.2

88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 9.302 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

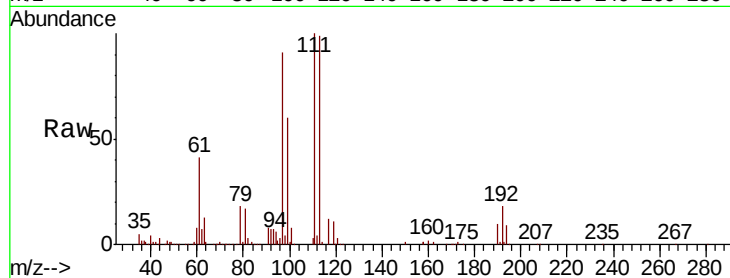
Tgt Ion: 113 Resp: 127201

Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

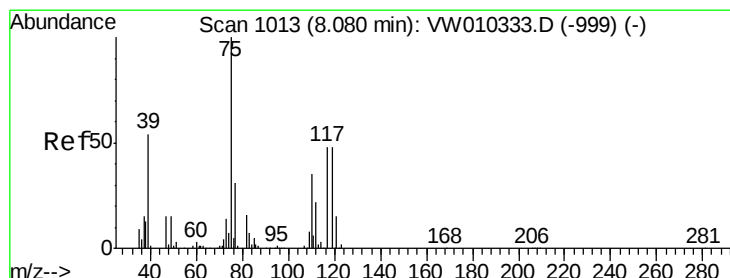
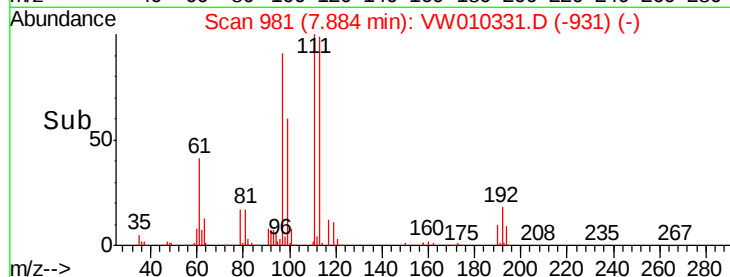
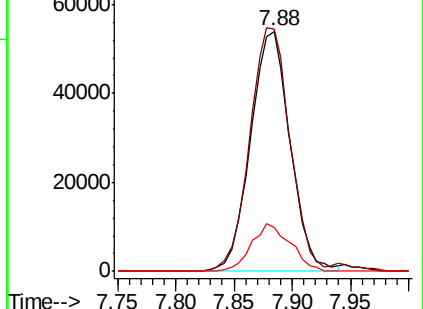
192 19.6 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 10.481 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

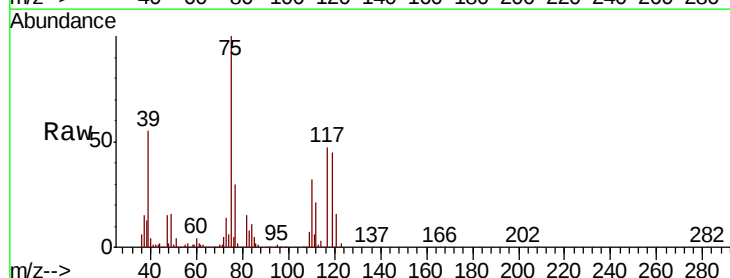
Tgt Ion: 75 Resp: 230271

Ion Ratio Lower Upper

75 100

110 32.3 16.6 49.8

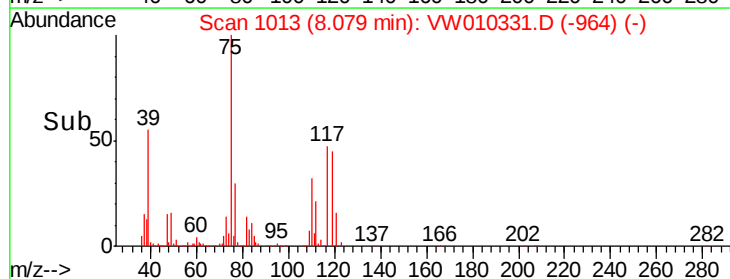
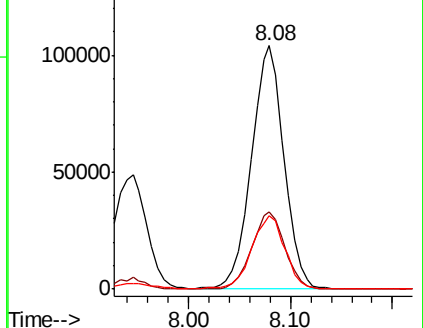
77 30.8 24.8 37.2

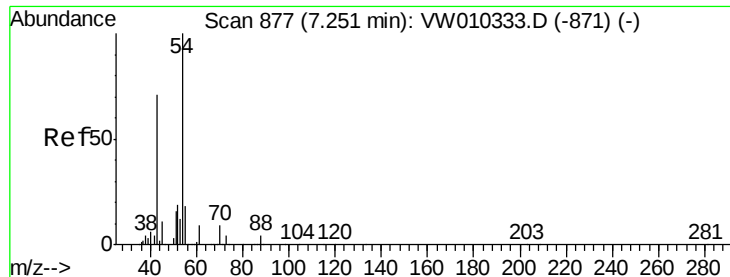


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

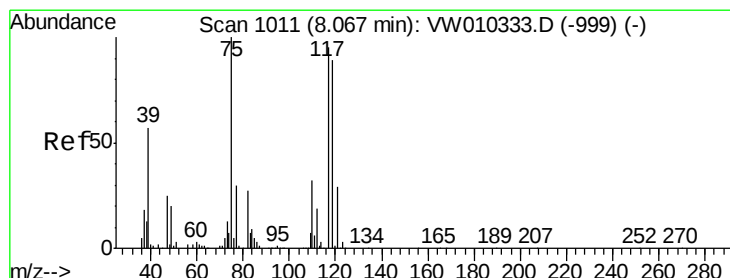
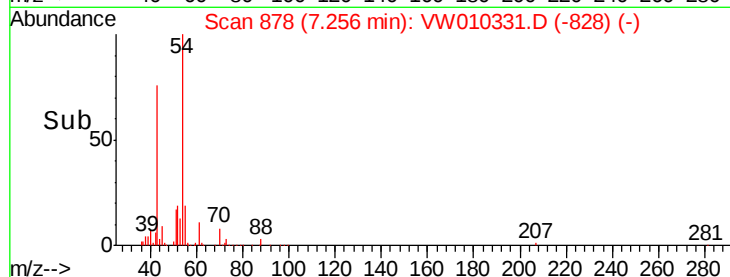
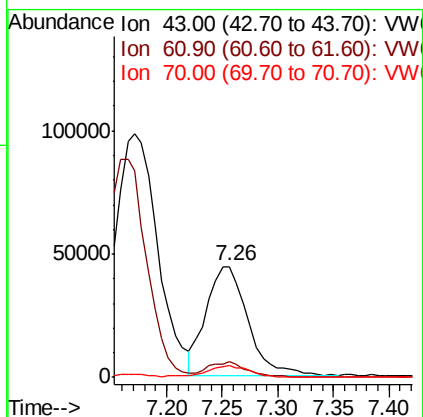
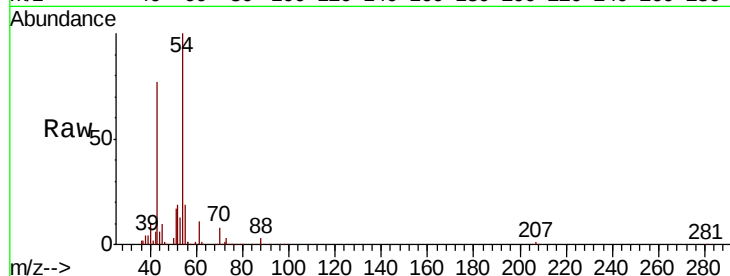




#37
Ethyl Acetate
Concen: 10.413 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

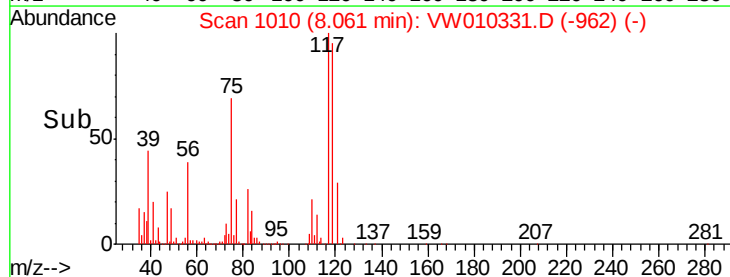
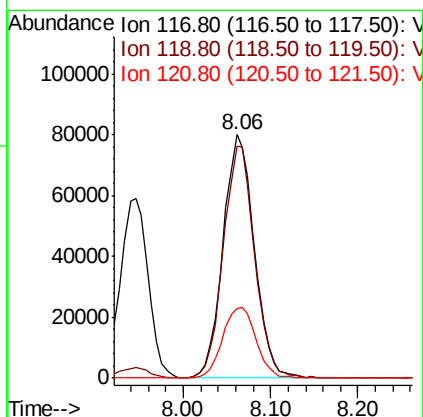
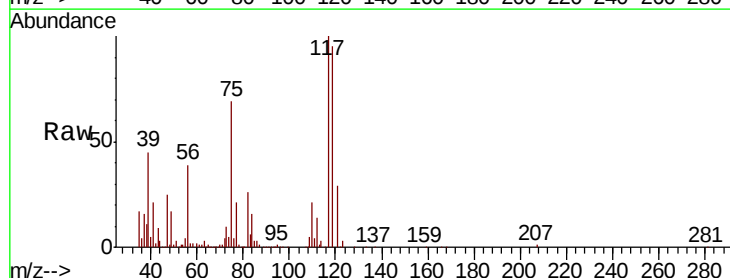
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

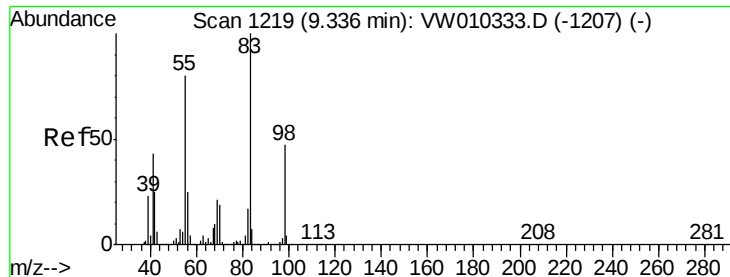
Tgt Ion: 43 Resp: 116249
Ion Ratio Lower Upper
43 100
61 13.5 9.8 14.8
70 11.3 7.4 11.0#



#38
Carbon Tetrachloride
Concen: 9.235 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion: 117 Resp: 198025
Ion Ratio Lower Upper
117 100
119 95.2 75.3 112.9
121 28.8 24.4 36.6

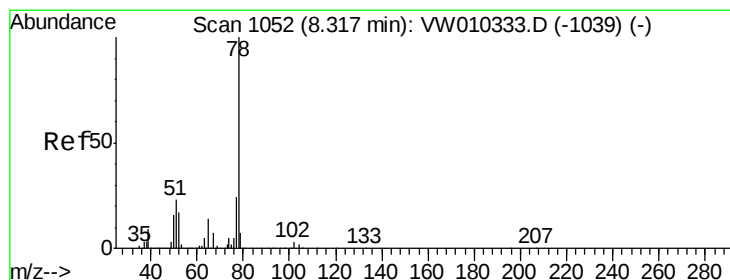
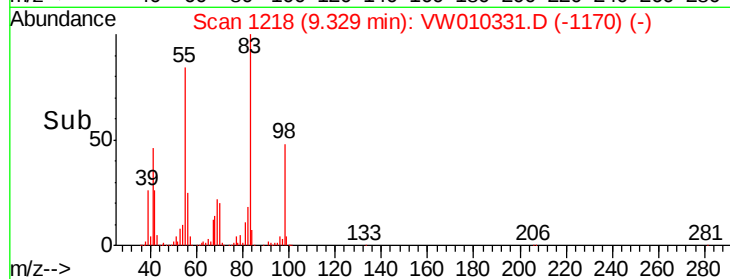
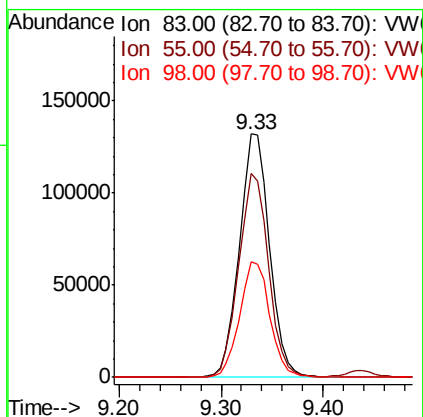
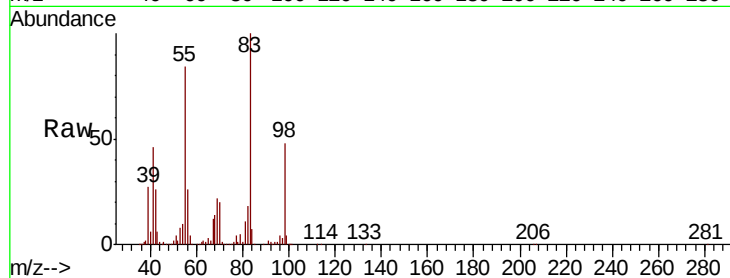




#39
Methylcyclohexane
Concen: 10.982 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

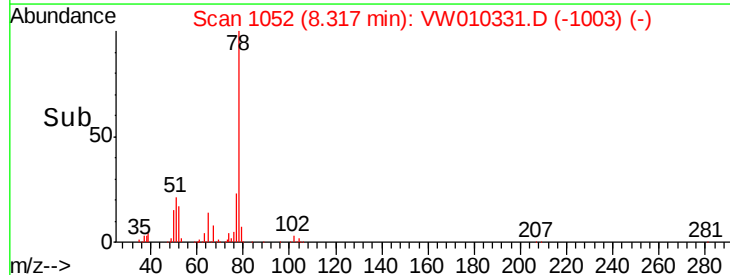
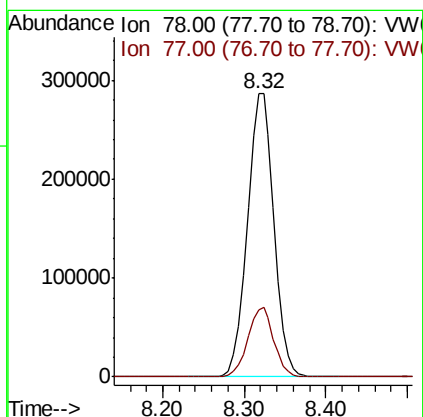
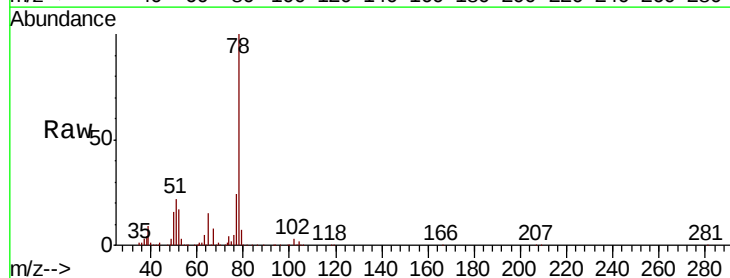
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

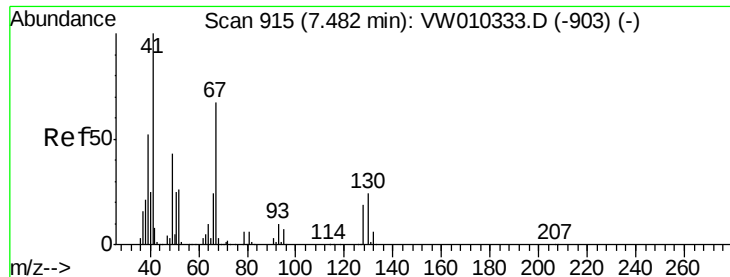
Tgt Ion: 83 Resp: 271515
Ion Ratio Lower Upper
83 100
55 84.0 67.1 100.7
98 47.7 39.2 58.8



#40
Benzene
Concen: 10.783 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion: 78 Resp: 647762
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

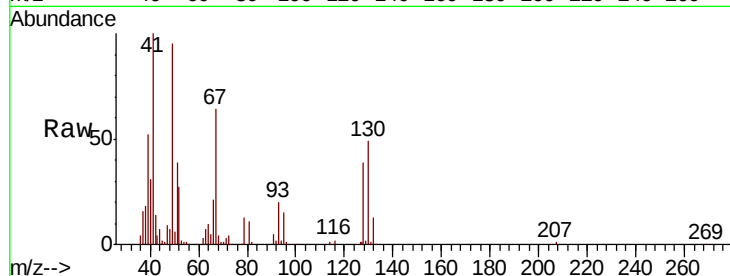




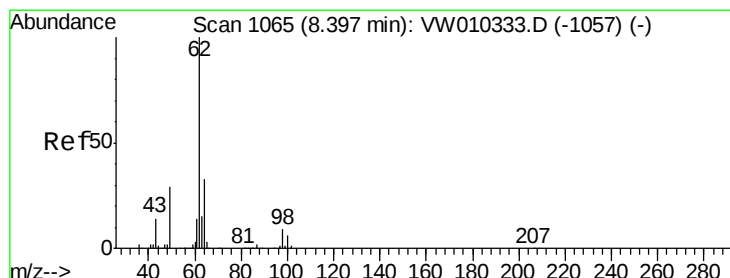
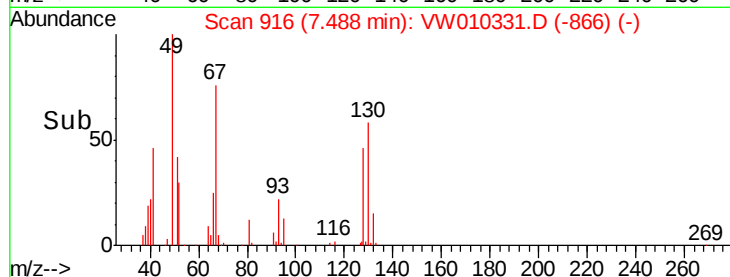
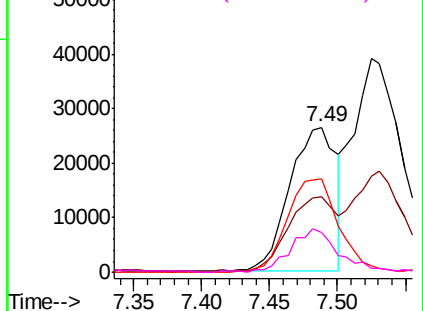
#41
Methacrylonitrile
Concen: 9.852 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:	41	Resp:	62689
Ion	Ratio	Lower	Upper
41	100		
39	52.5	45.0	67.4
67	72.0	50.7	76.1
52	32.0	22.6	33.8

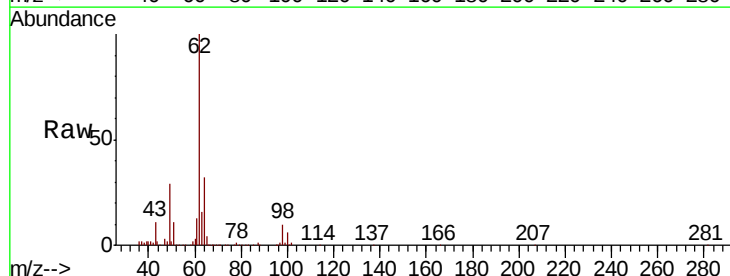


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

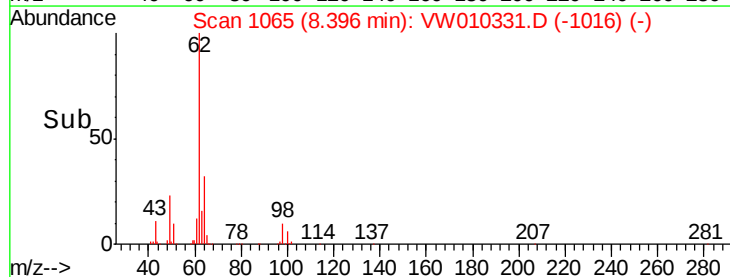
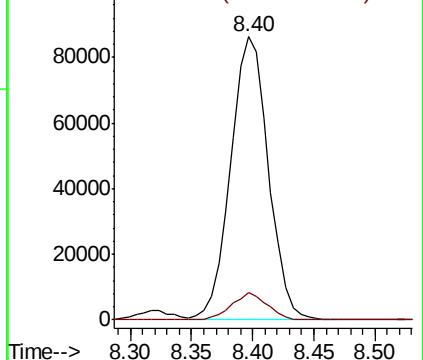


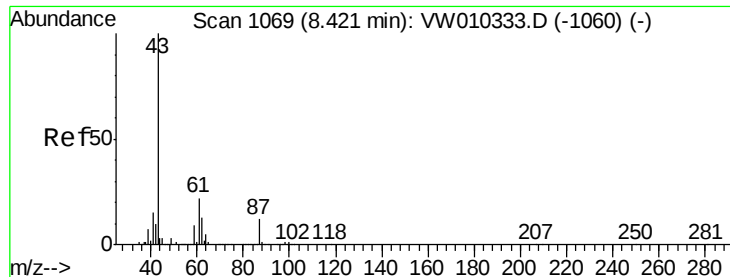
#42
1,2-Dichloroethane
Concen: 8.888 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion:	62	Resp:	183496
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 8.933 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

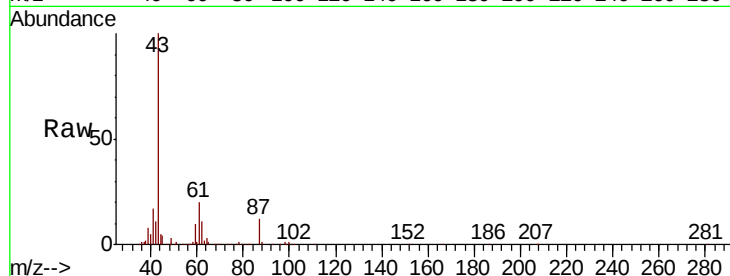
Tgt Ion: 43 Resp: 186883

Ion Ratio Lower Upper

43 100

61 30.6 23.0 34.6

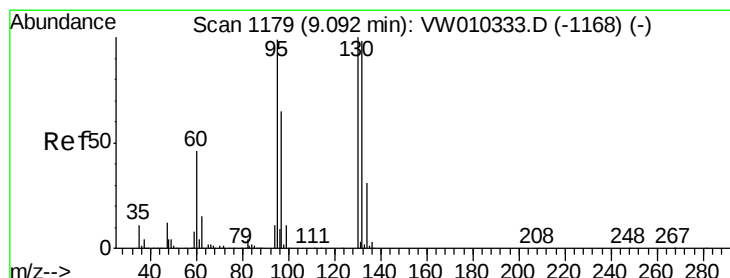
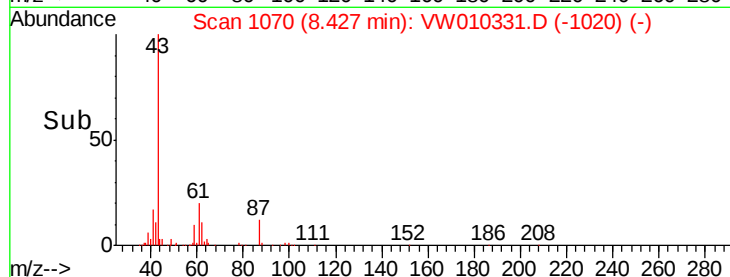
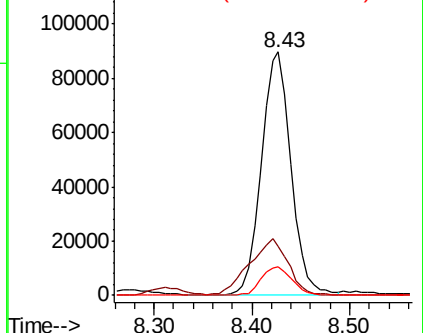
87 12.4 9.3 13.9



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: 10.382 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010331.D

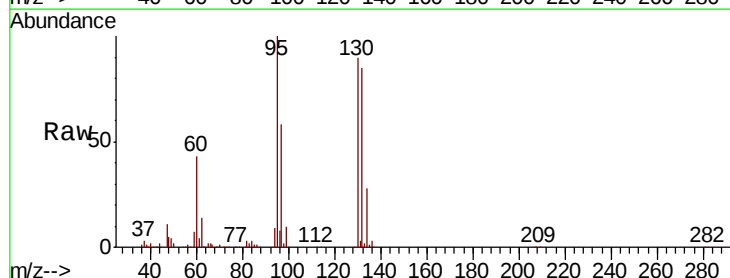
Acq: 09 May 2019 11:38

Tgt Ion: 130 Resp: 158403

Ion Ratio Lower Upper

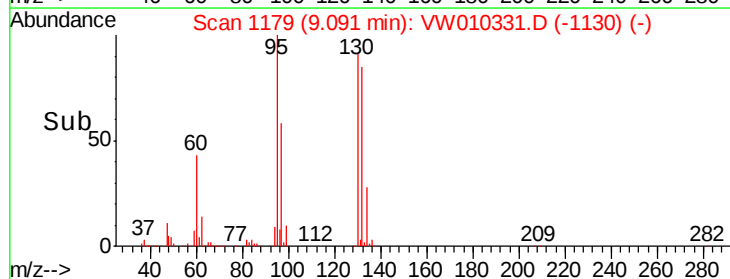
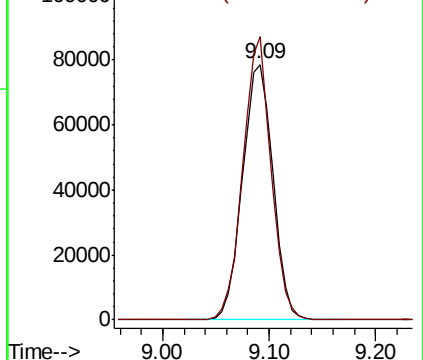
130 100

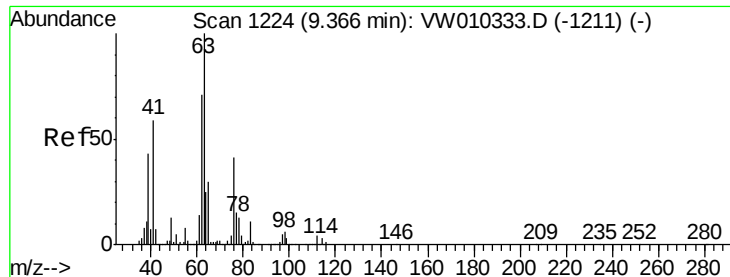
95 110.6 0.0 205.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 10.096 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

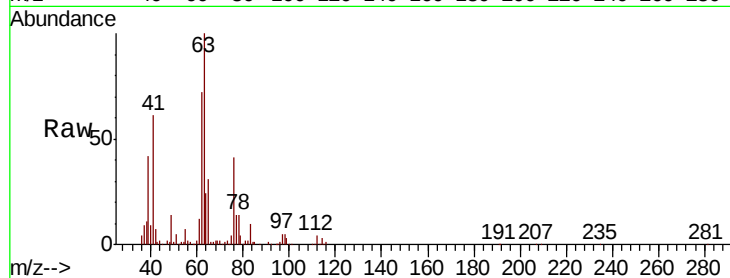
VSTDIC010

Tgt Ion: 63 Resp: 159418

Ion Ratio Lower Upper

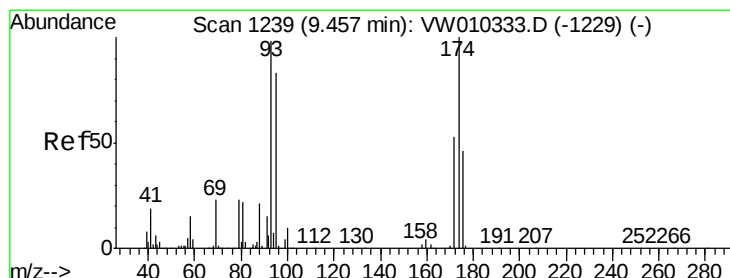
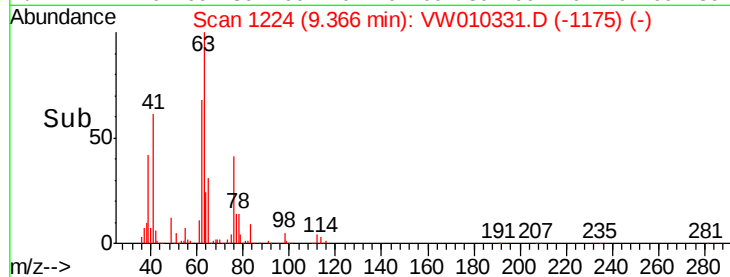
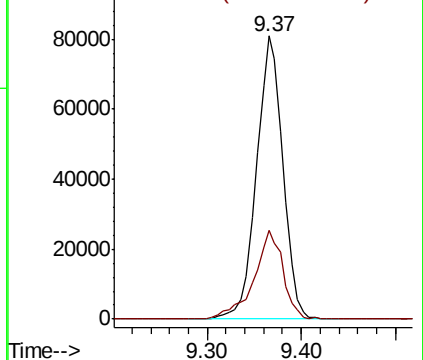
63 100

65 31.3 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 10.210 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

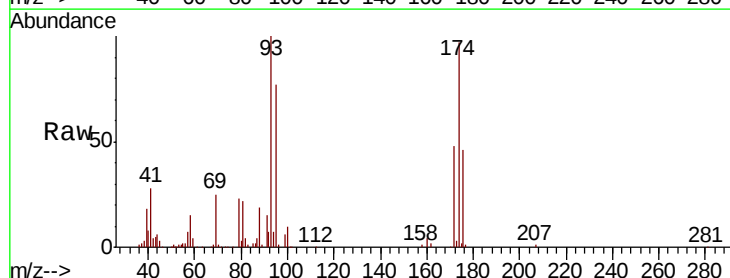
Tgt Ion: 93 Resp: 83557

Ion Ratio Lower Upper

93 100

95 80.2 65.8 98.8

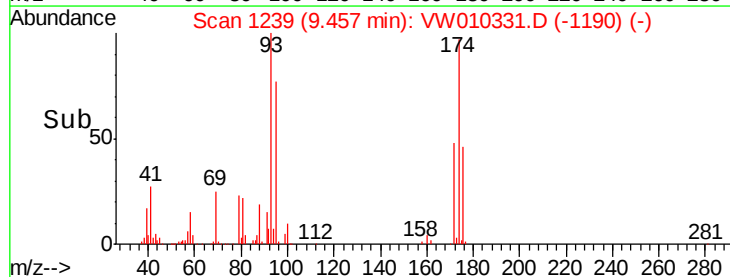
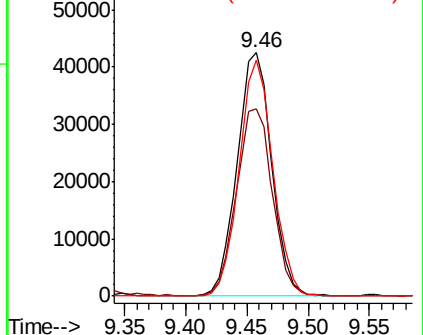
174 94.2 75.5 113.3

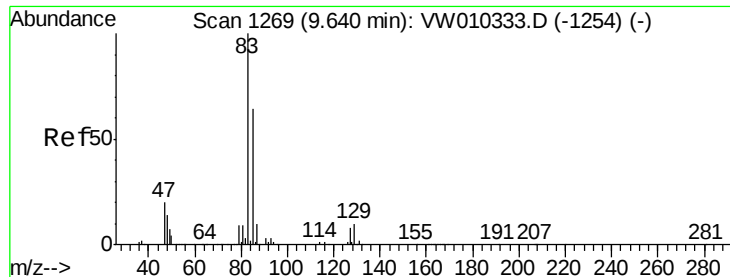


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 9.053 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

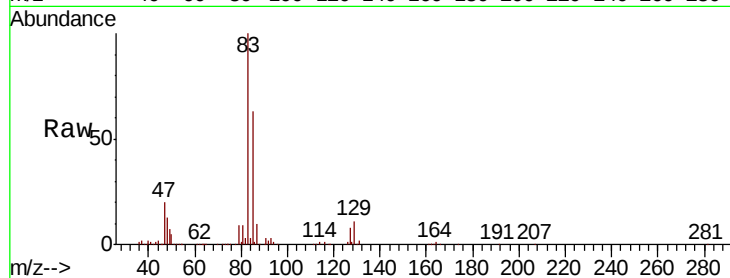
Tgt Ion: 83 Resp: 191249

Ion Ratio Lower Upper

83 100

85 63.3 50.6 75.8

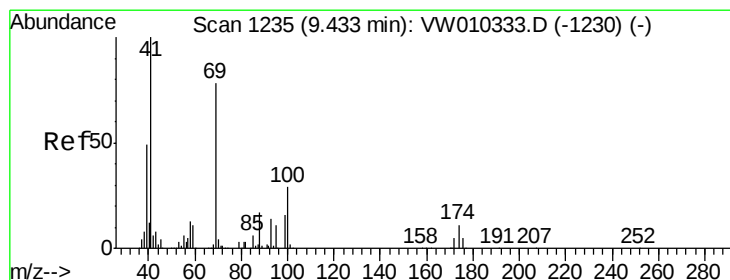
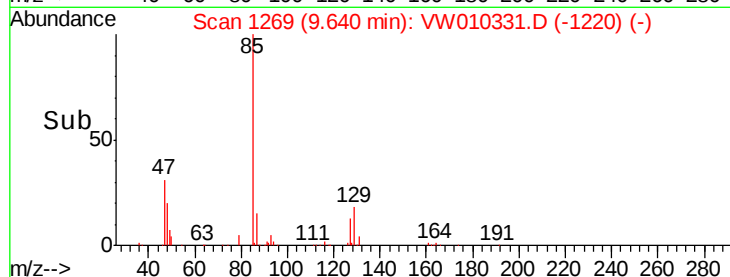
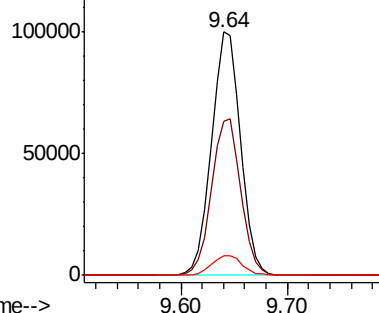
127 8.0 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 8.366 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

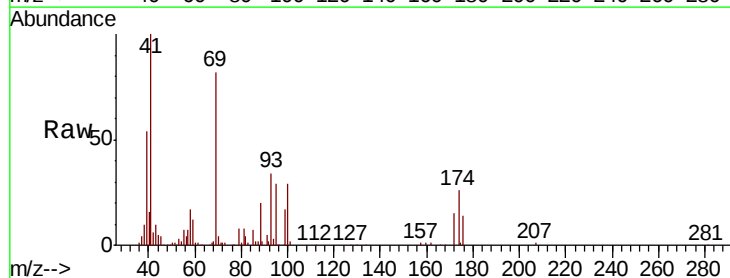
Tgt Ion: 41 Resp: 85192

Ion Ratio Lower Upper

41 100

69 90.4 60.1 90.1#

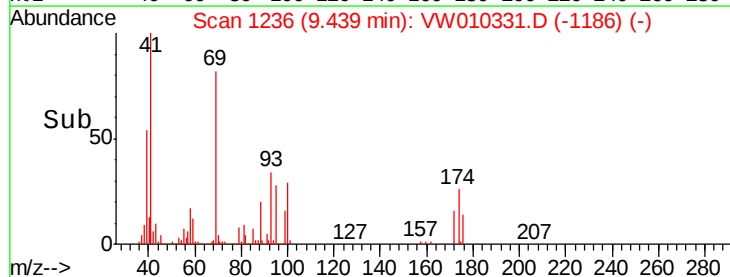
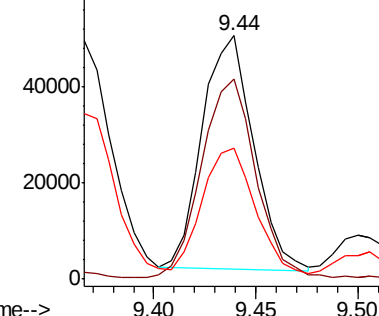
39 54.4 51.0 76.6

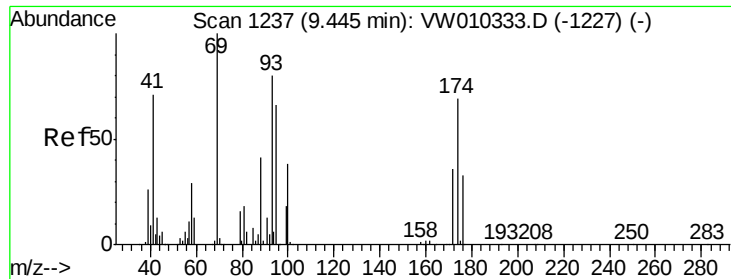


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

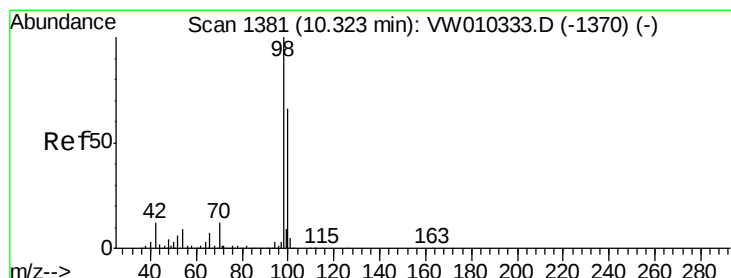
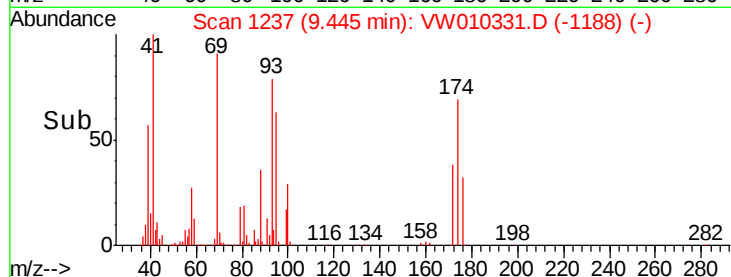
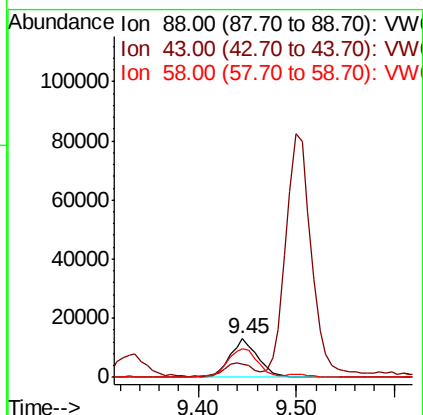
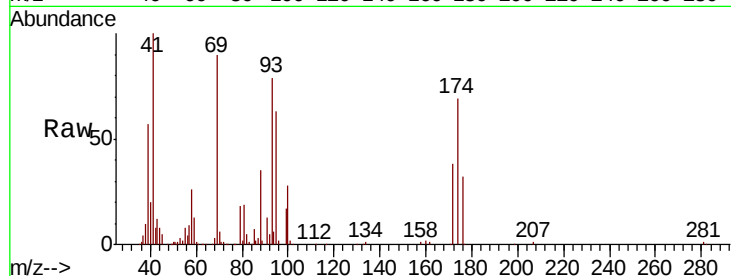




#49
1,4-Dioxane
Concen: 206.966 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

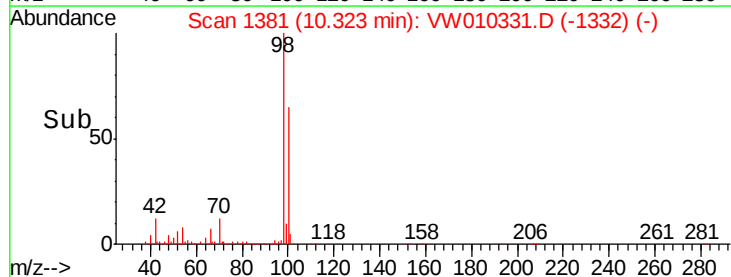
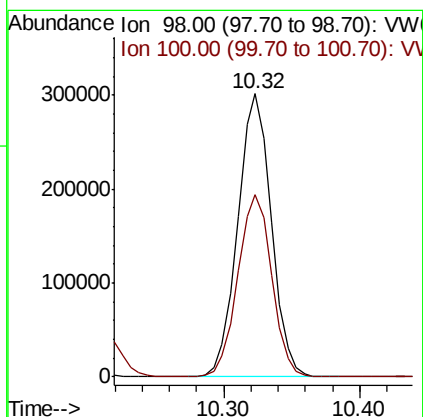
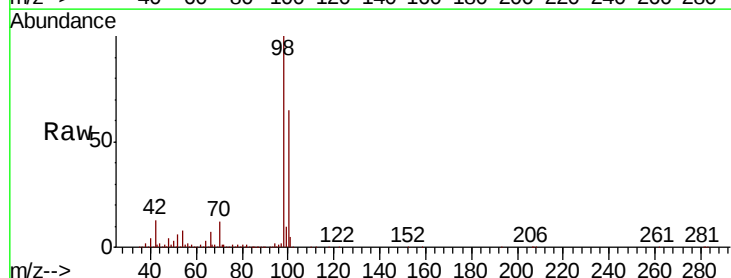
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

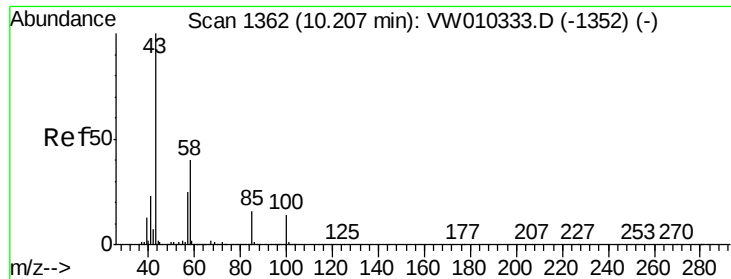
Tgt Ion: 88 Resp: 25881
Ion Ratio Lower Upper
88 100
43 34.6 31.9 47.9
58 80.8 61.8 92.6



#50
Toluene-d8
Concen: 10.111 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion: 98 Resp: 518077
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5

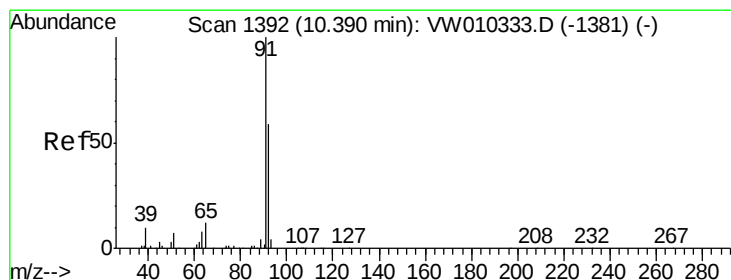
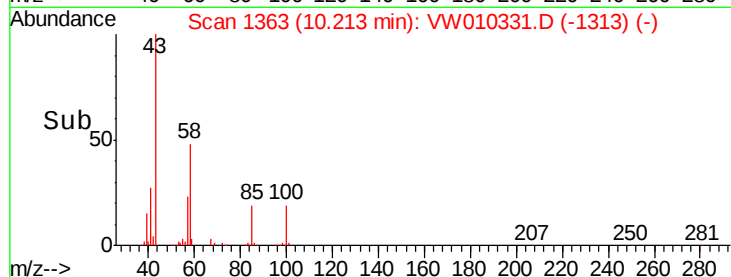
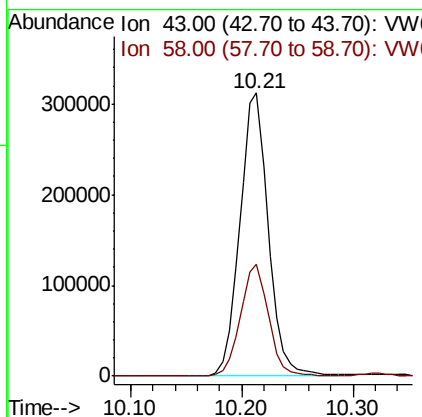
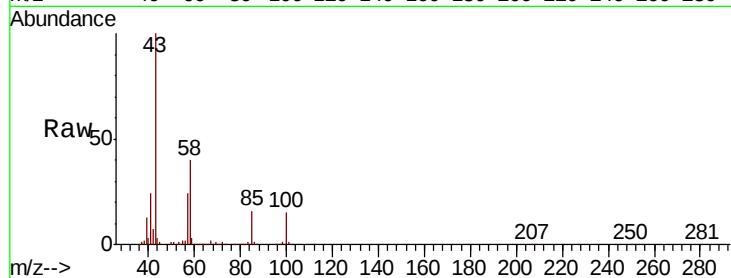




#51
 4-Methyl-2-Pentanone
 Concen: 50.150 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

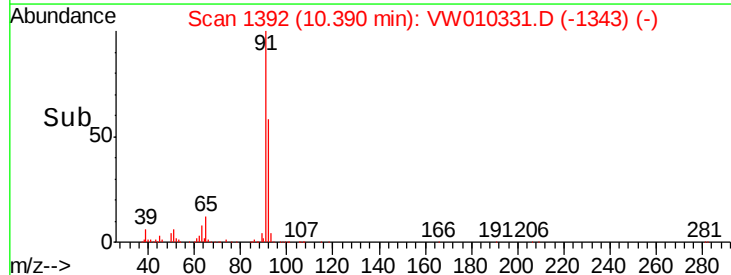
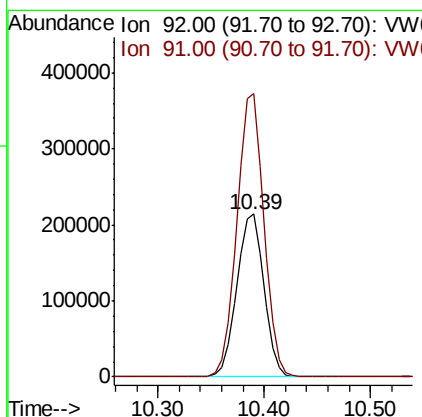
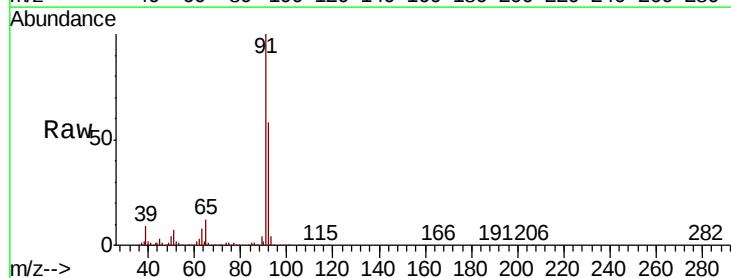
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

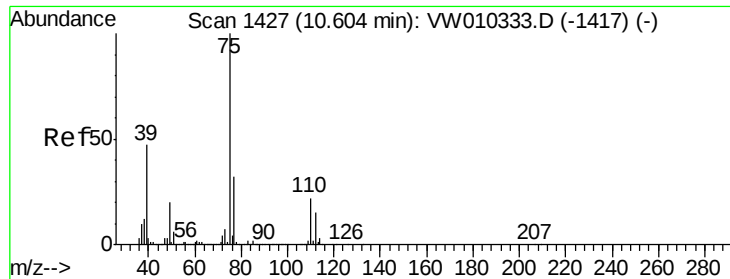
Tgt Ion: 43 Resp: 549504
 Ion Ratio Lower Upper
 43 100
 58 39.0 28.9 43.3



#52
 Toluene
 Concen: 10.282 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion: 92 Resp: 384763
 Ion Ratio Lower Upper
 92 100
 91 172.8 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 8.960 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

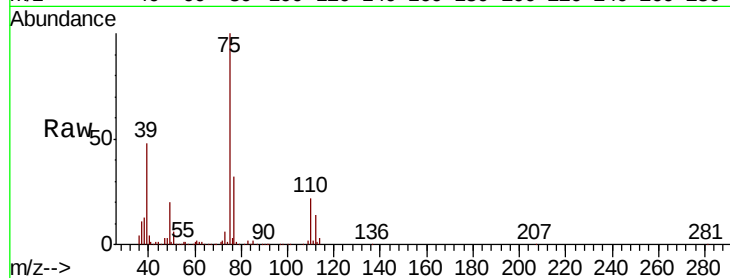
VSTDIC010

Tgt Ion: 75 Resp: 187676

Ion Ratio Lower Upper

75 100

77 31.8 26.9 40.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

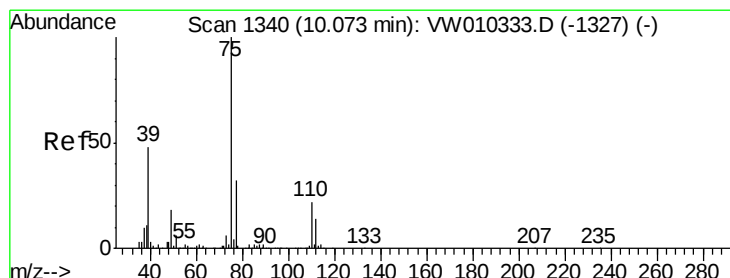
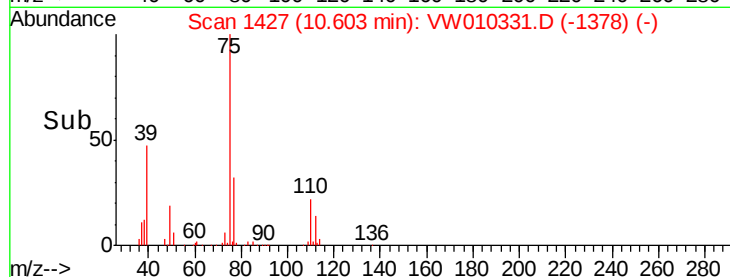
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 9.315 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

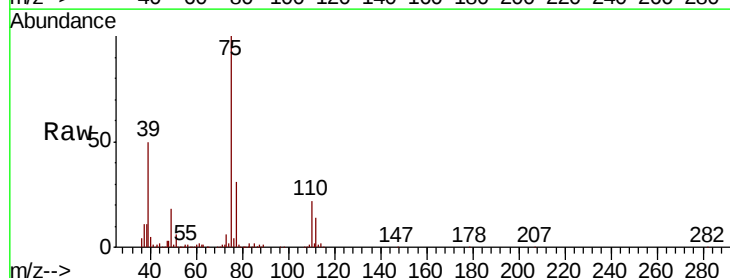
Tgt Ion: 75 Resp: 222794

Ion Ratio Lower Upper

75 100

77 31.2 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

10.07

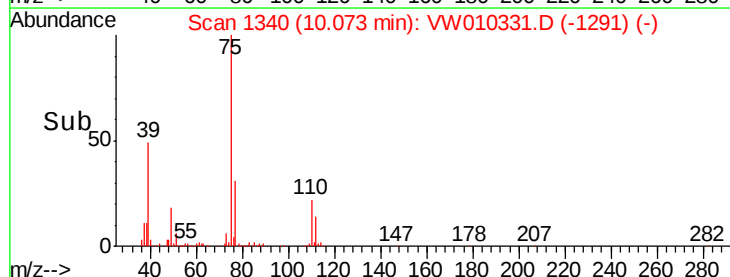
150000

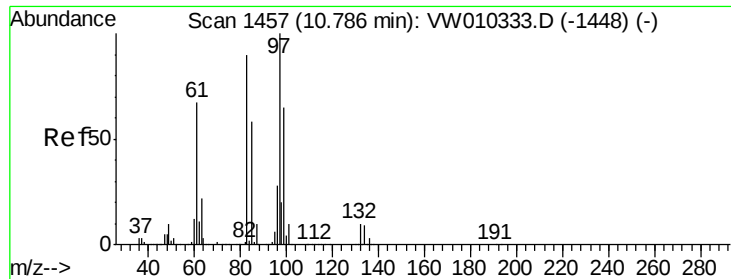
100000

50000

0

Time--> 10.00 10.10

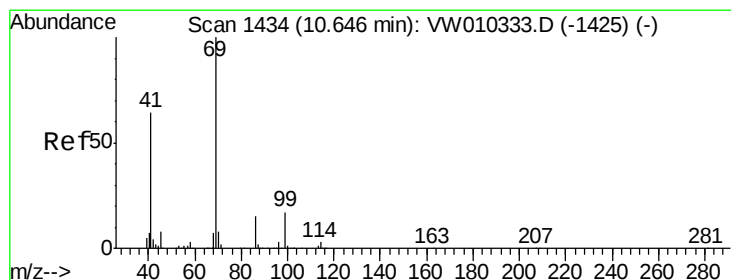
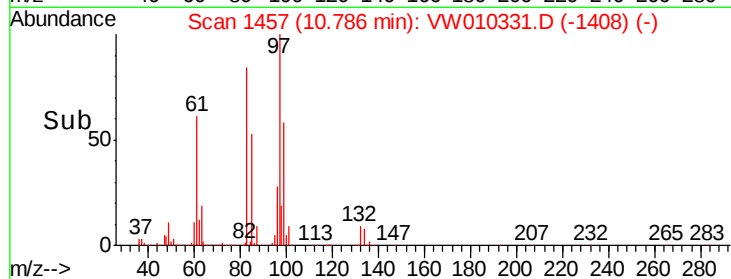
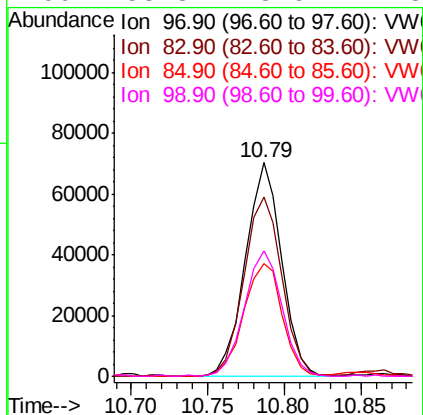
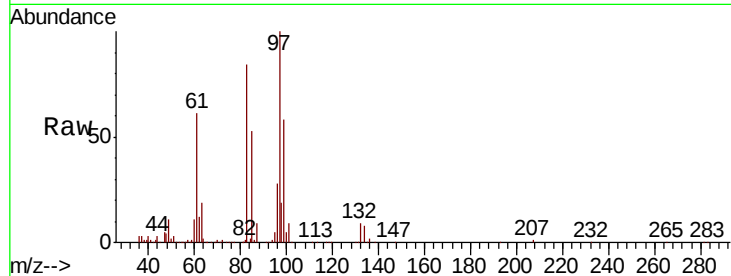




#55
 1,1,2-Trichloroethane
 Concen: 10.147 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

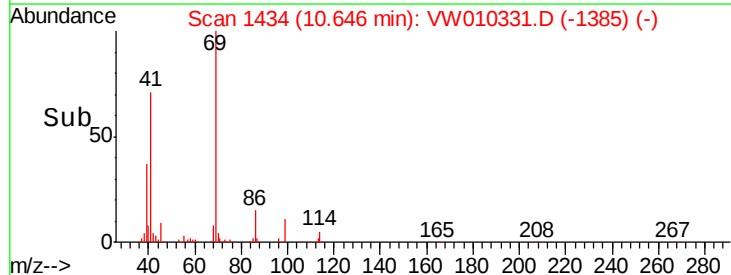
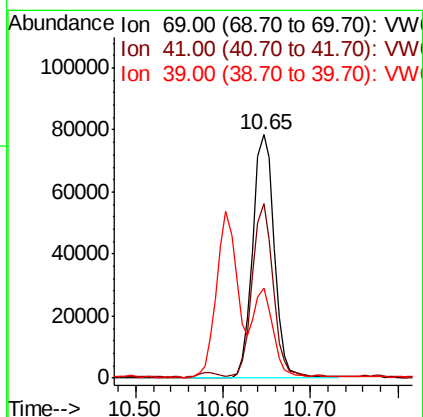
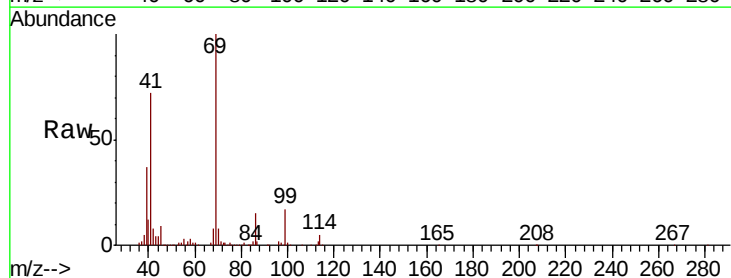
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

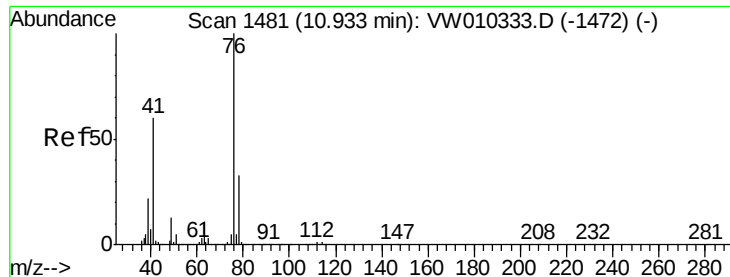
Tgt Ion:	97	Resp:	115905
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.9	103.3
85	52.5	42.9	64.3
99	58.3	48.6	72.8



#56
 Ethyl methacrylate
 Concen: 9.507 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion:	69	Resp:	135004
Ion	Ratio	Lower	Upper
69	100		
41	67.4	61.0	91.6
39	32.5	33.8	50.6#





#57

1,3-Dichloropropane

Concen: 9.962 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

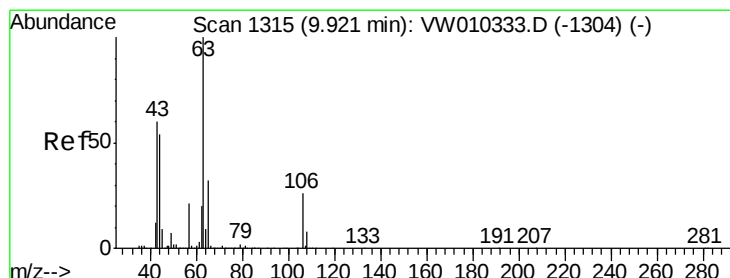
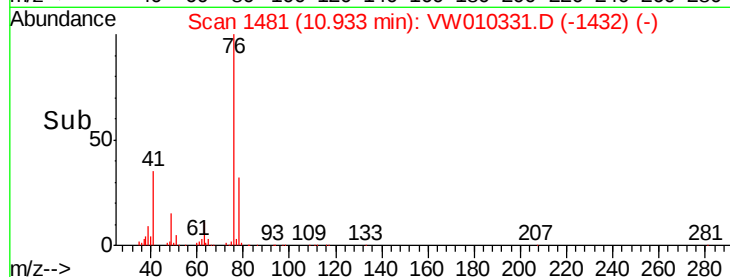
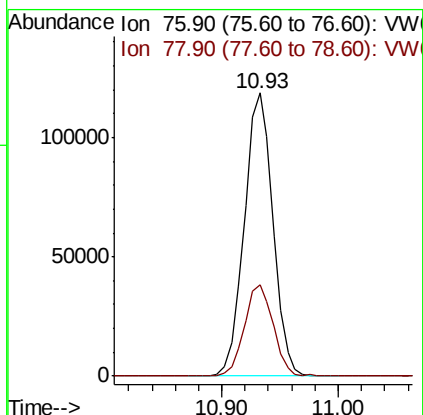
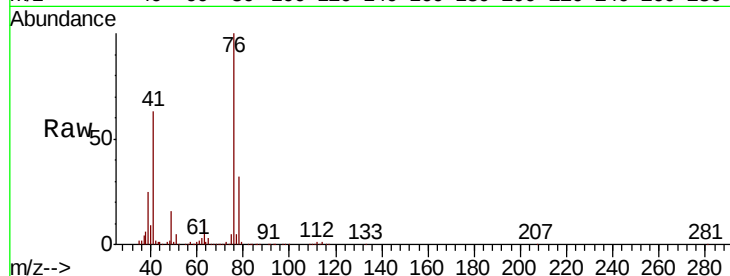
VSTDIC010

Tgt Ion: 76 Resp: 203955

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 51.017 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW010331.D

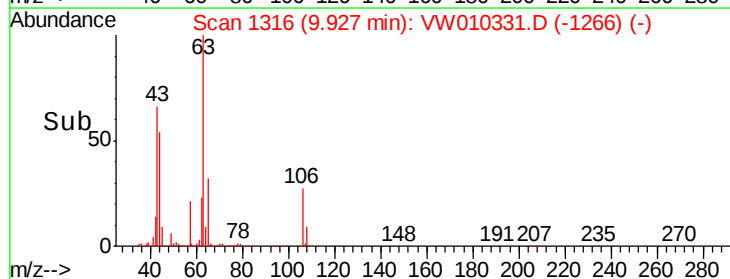
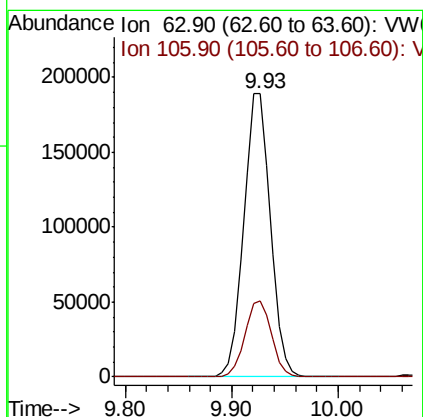
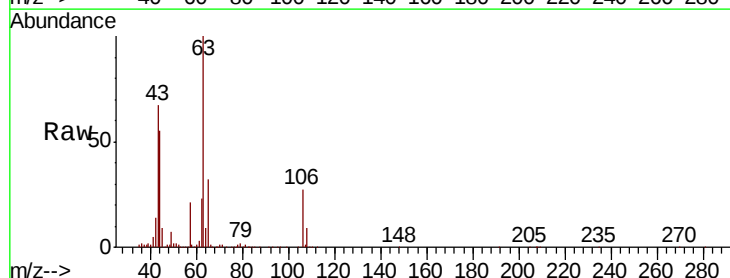
Acq: 09 May 2019 11:38

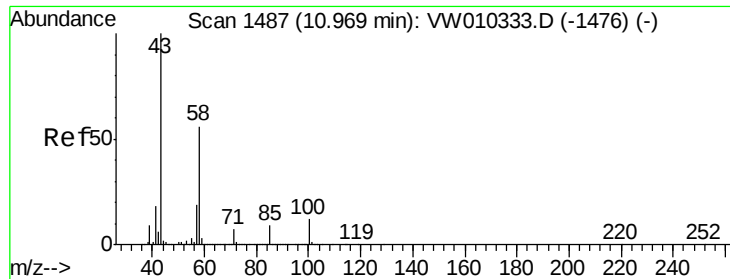
Tgt Ion: 63 Resp: 333629

Ion Ratio Lower Upper

63 100

106 26.9 21.4 32.0





#59

2-Hexanone

Concen: 48.993 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampled :

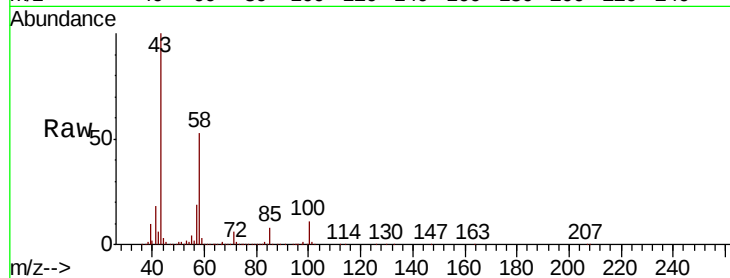
VSTDIC010

Tgt Ion: 43 Resp: 373689

Ion Ratio Lower Upper

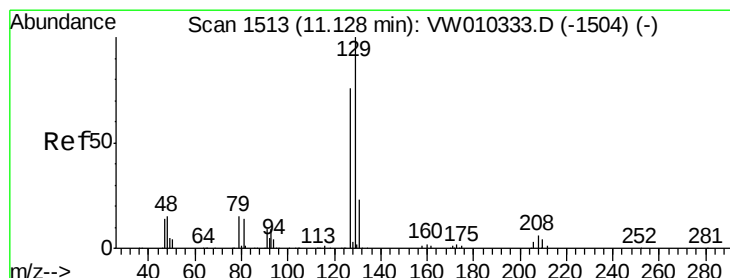
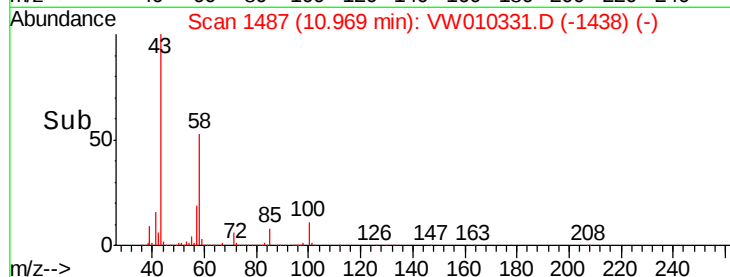
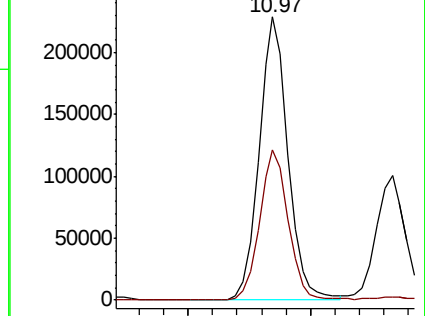
43 100

58 52.9 24.9 74.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 9.190 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010331.D

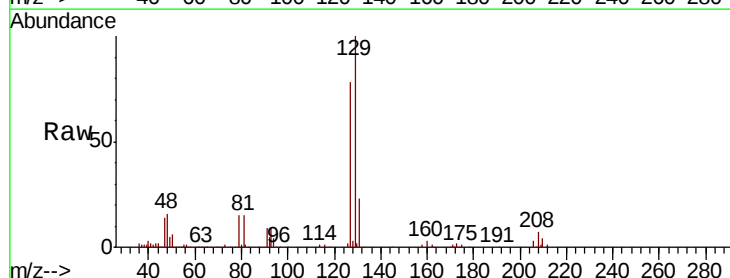
Acq: 09 May 2019 11:38

Tgt Ion: 129 Resp: 121328

Ion Ratio Lower Upper

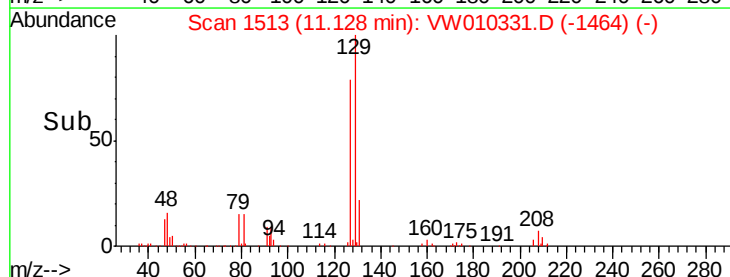
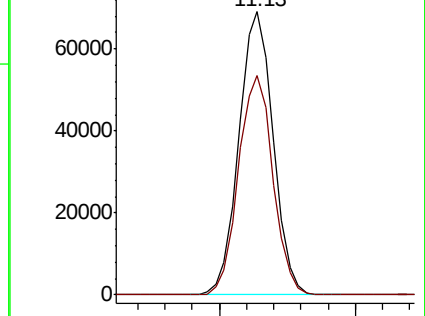
129 100

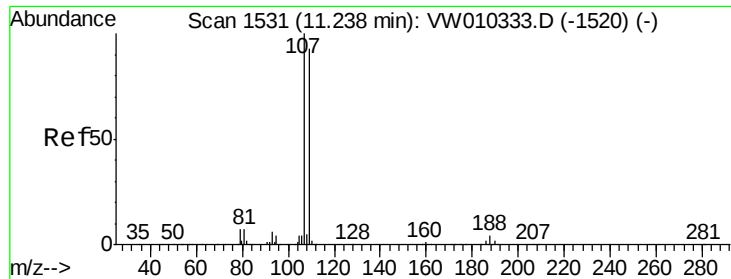
127 77.9 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

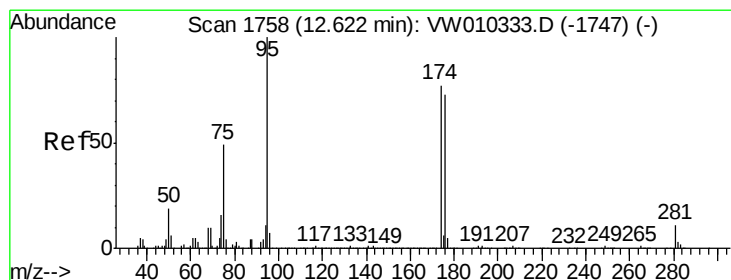
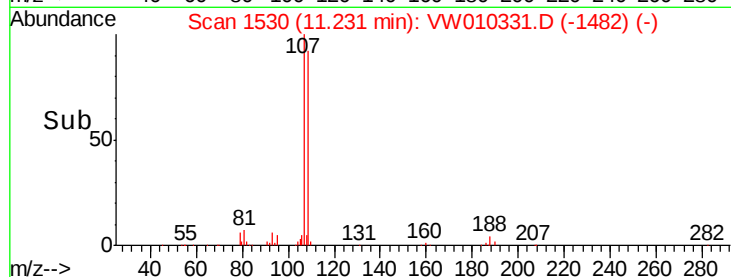
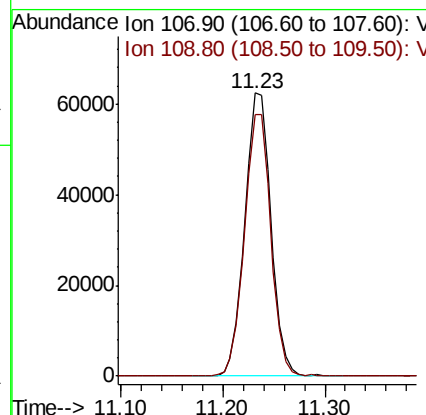
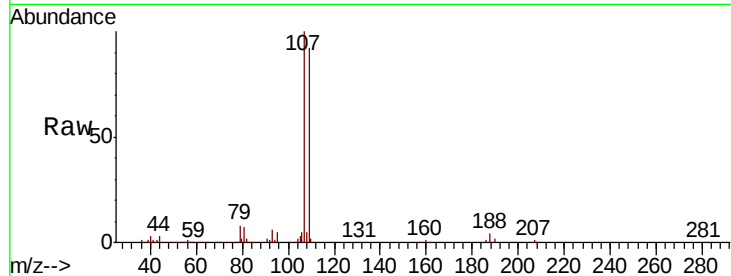




#61
 1,2-Dibromoethane
 Concen: 10.232 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

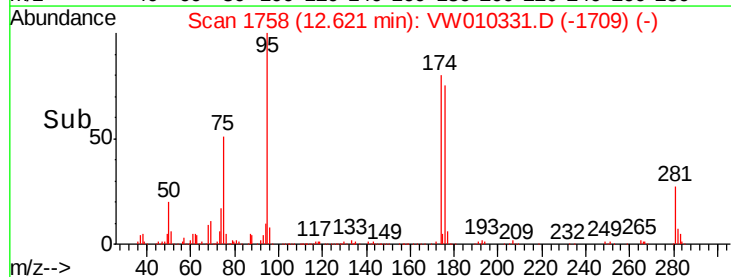
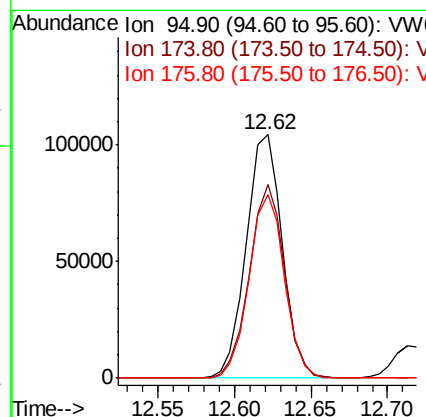
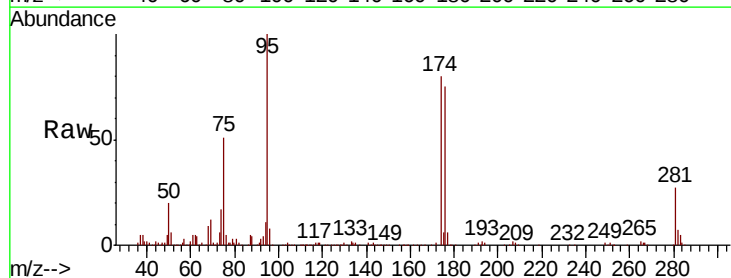
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

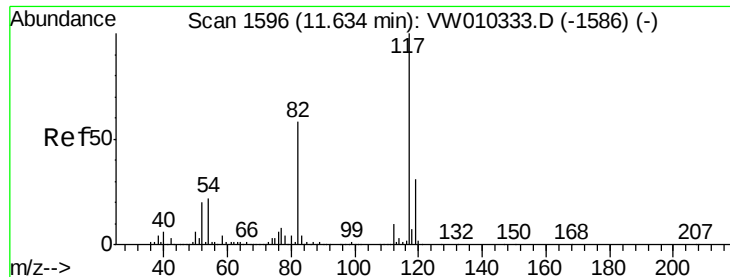
Tgt Ion: 107 Resp: 111177
 Ion Ratio Lower Upper
 107 100
 109 92.8 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 9.186 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion: 95 Resp: 171085
 Ion Ratio Lower Upper
 95 100
 174 77.5 0.0 151.4
 176 74.3 0.0 146.2

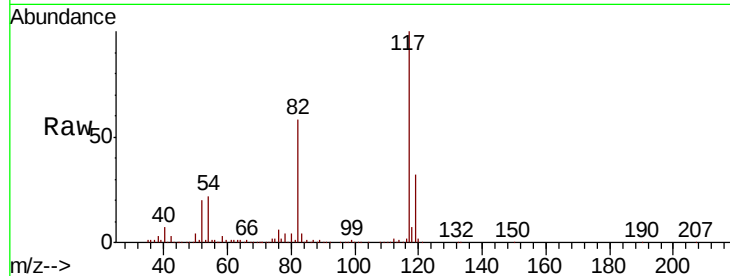




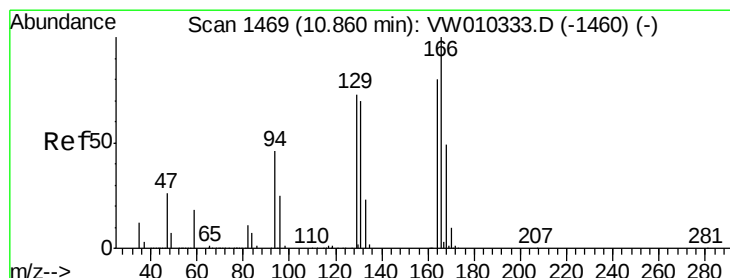
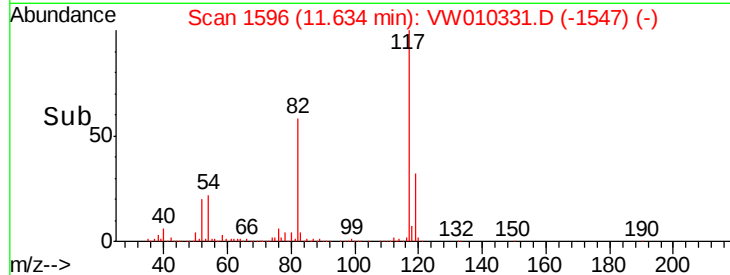
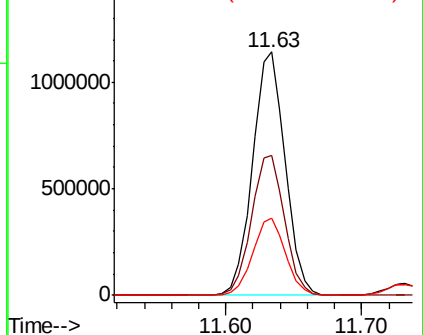
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:117 Resp: 1917399
Ion Ratio Lower Upper
117 100
82 57.5 45.2 67.8
119 31.9 25.4 38.2

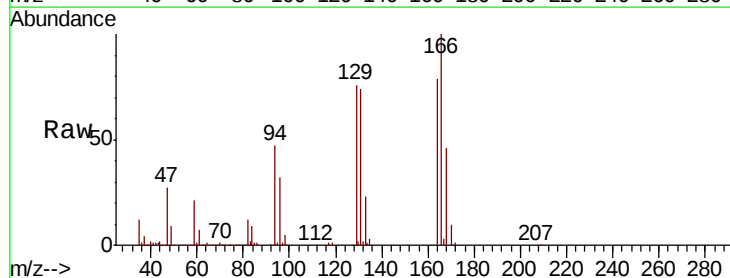


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

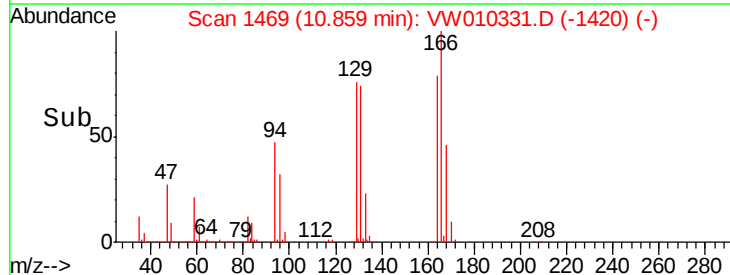
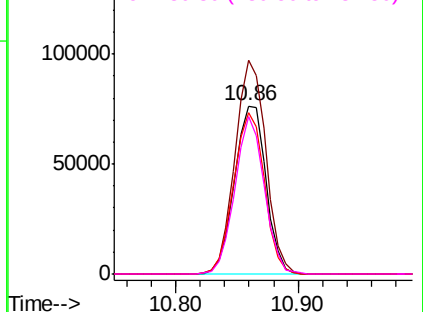


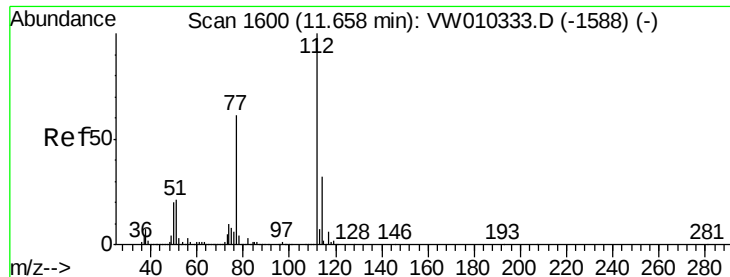
#64
Tetrachloroethene
Concen: 10.864 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion:164 Resp: 135230
Ion Ratio Lower Upper
164 100
166 127.4 101.2 151.8
129 96.5 77.8 116.6
131 93.9 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: 10.100 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampled :

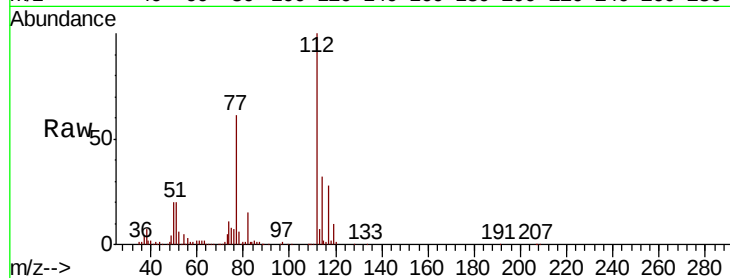
VSTDIC010

Tgt Ion:112 Resp: 396349

Ion Ratio Lower Upper

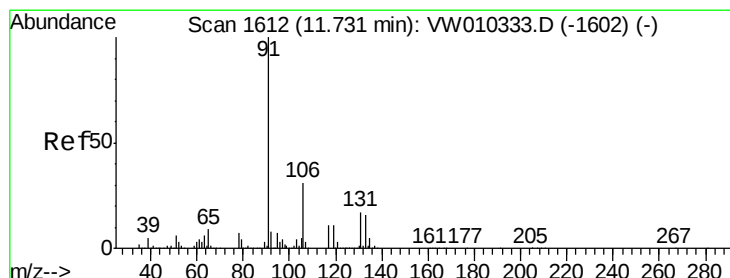
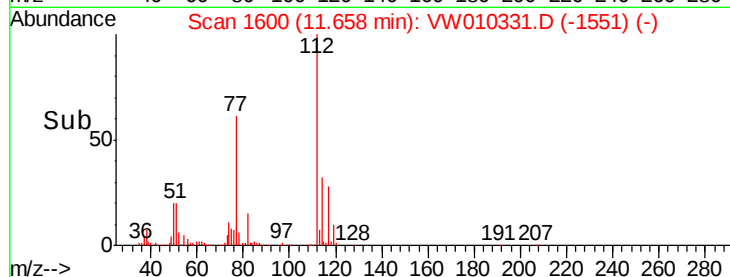
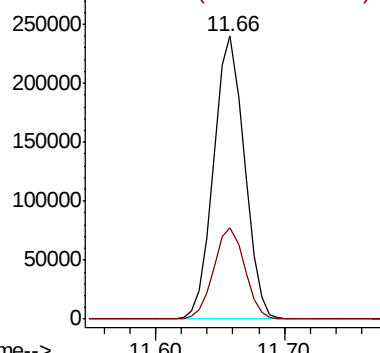
112 100

114 32.2 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.342 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

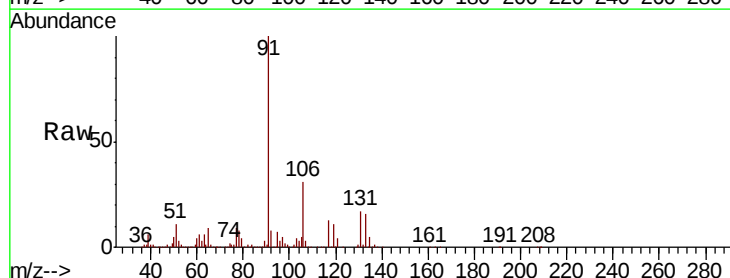
Tgt Ion:131 Resp: 131105

Ion Ratio Lower Upper

131 100

133 94.1 46.5 139.5

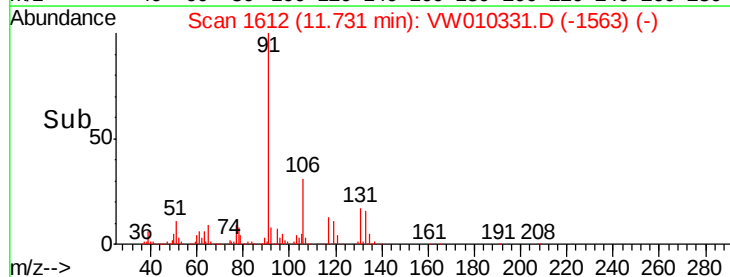
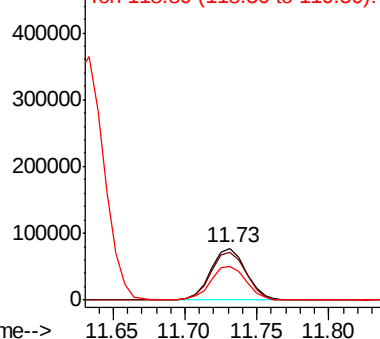
119 66.8 31.9 95.5

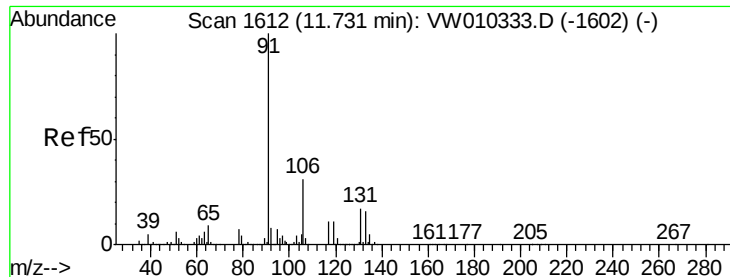


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

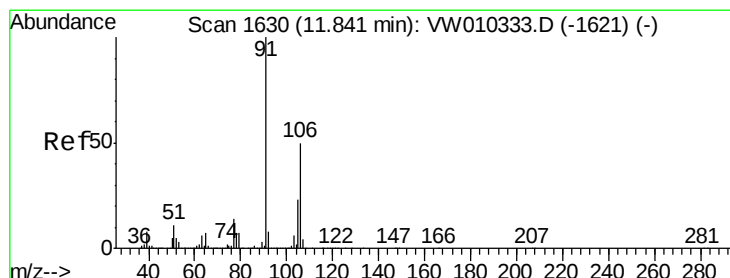
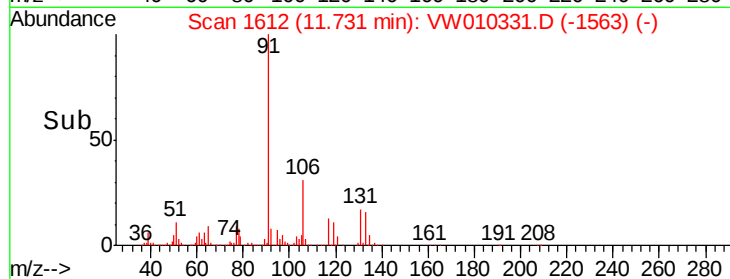
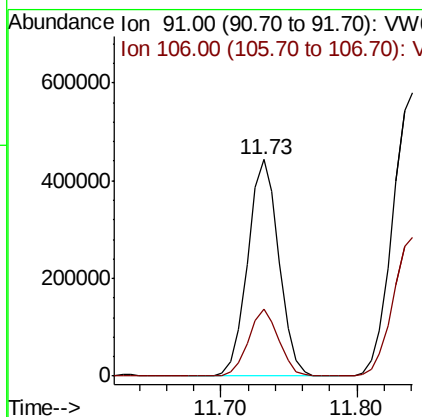
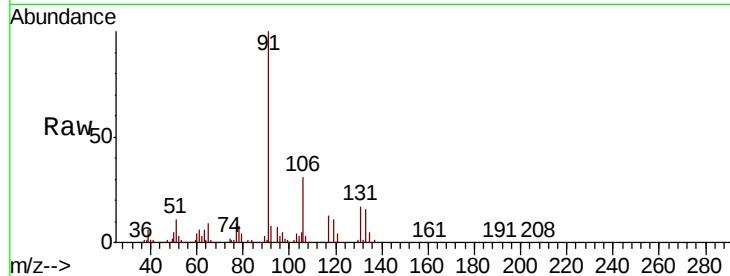




#67
Ethyl Benzene
Concen: 10.179 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

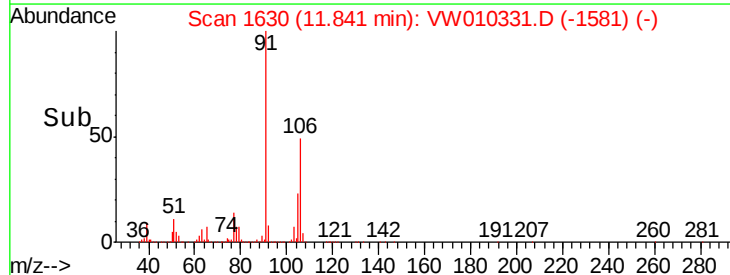
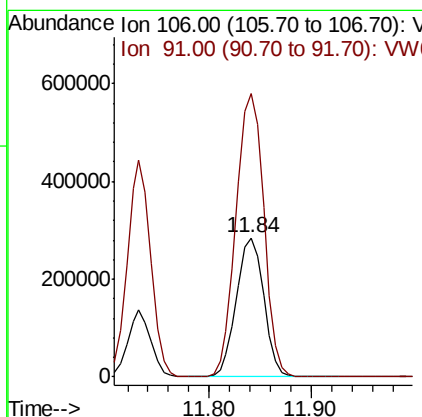
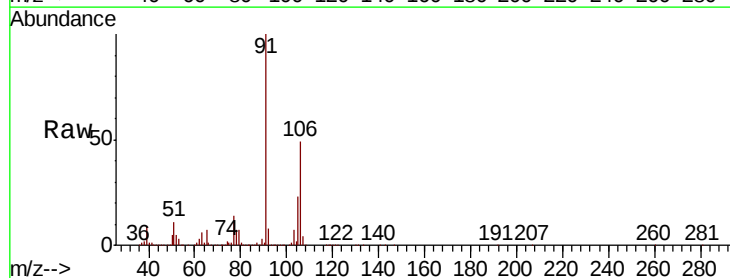
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

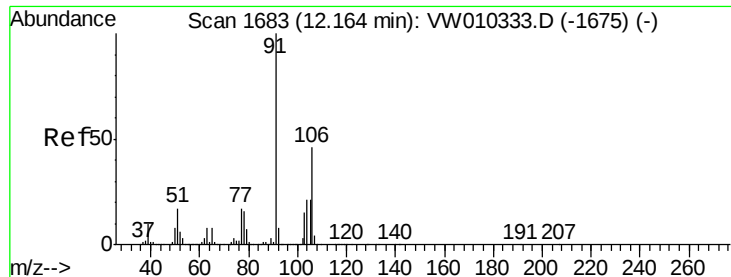
Tgt Ion: 91 Resp: 712687
Ion Ratio Lower Upper
91 100
106 30.8 23.8 35.8



#68
m/p-Xylenes
Concen: 20.225 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion: 106 Resp: 529336
Ion Ratio Lower Upper
106 100
91 207.1 165.0 247.6

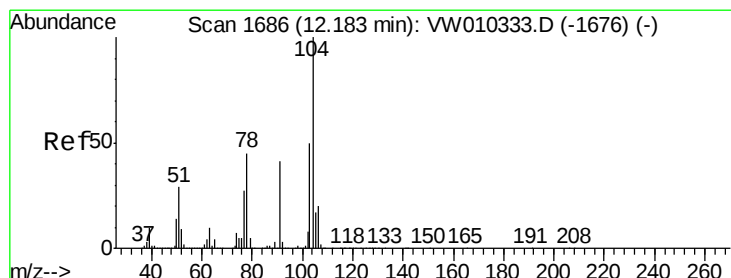
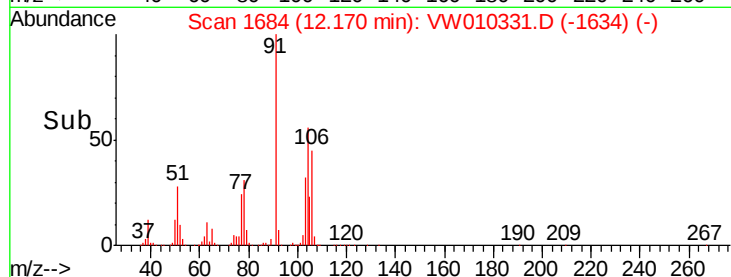
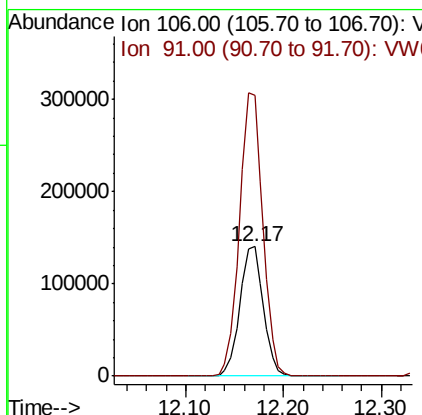
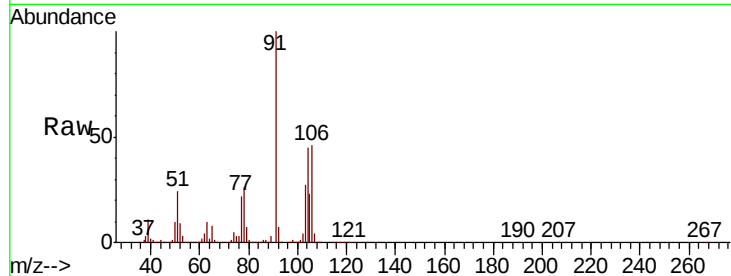




#69
o-Xylene
Concen: 9.785 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

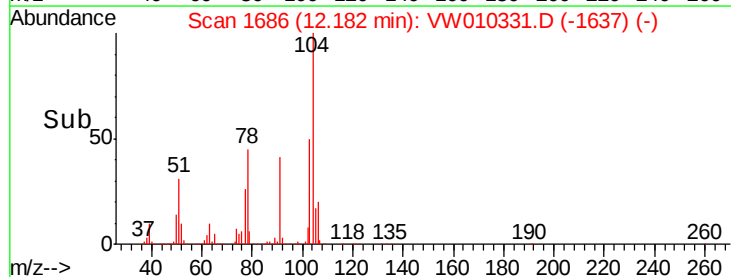
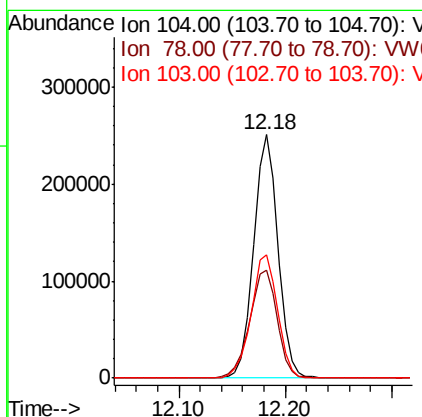
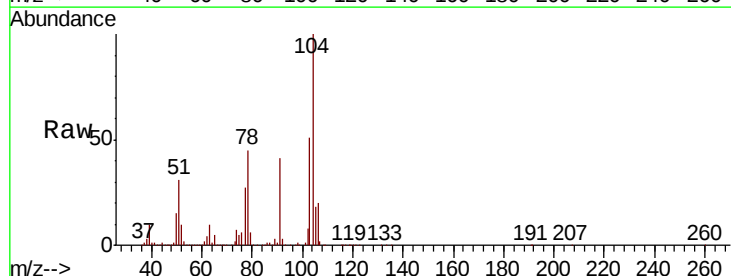
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

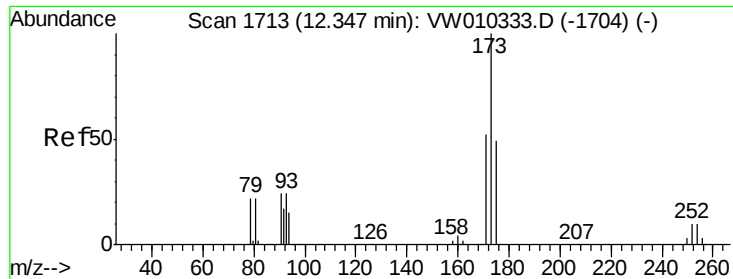
Tgt Ion:106 Resp: 233185
Ion Ratio Lower Upper
106 100
91 217.5 110.5 331.4



#70
Styrene
Concen: 9.804 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion:104 Resp: 402851
Ion Ratio Lower Upper
104 100
78 50.3 42.5 63.7
103 55.1 43.6 65.4

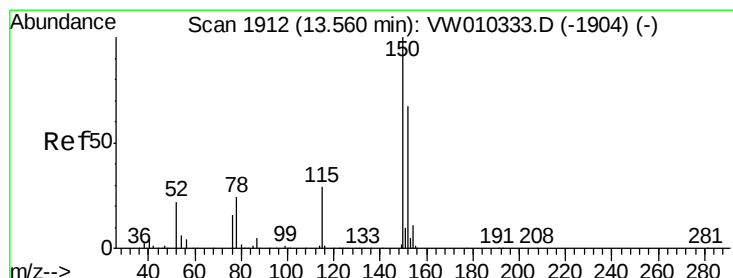
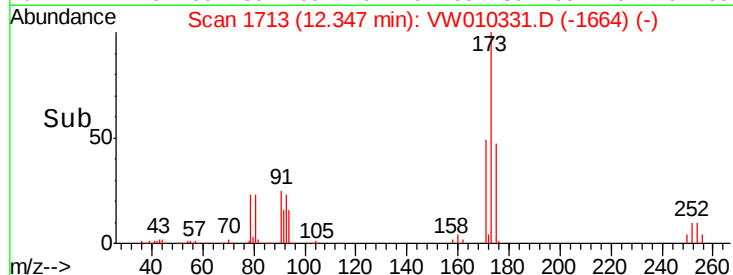
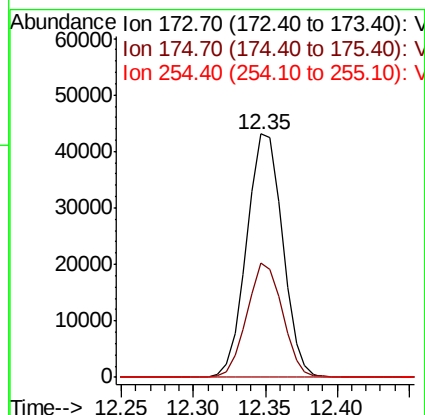
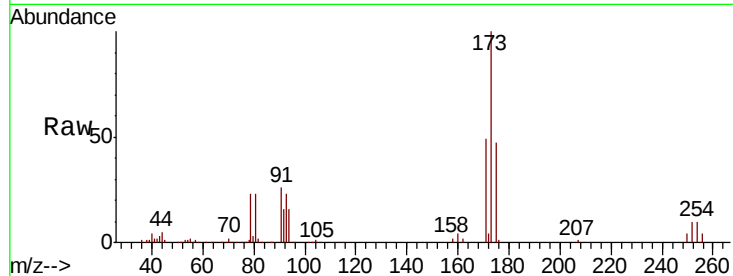




#71
Bromoform
Concen: 10.018 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

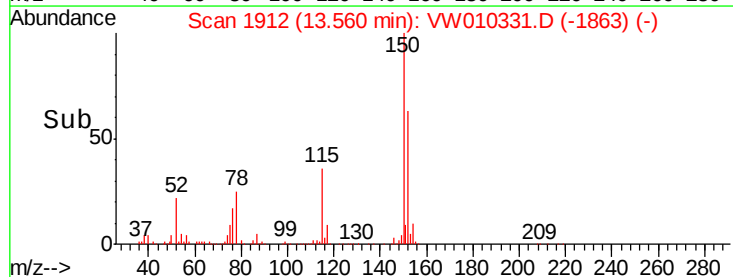
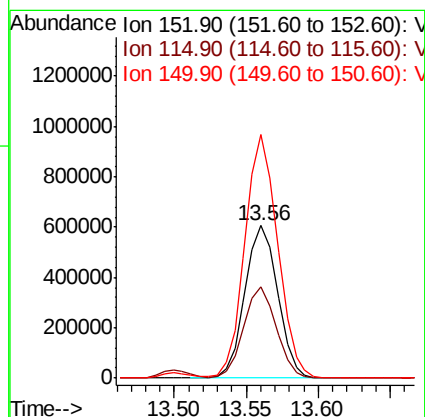
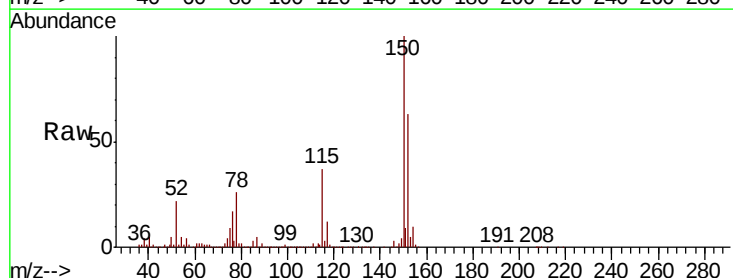
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

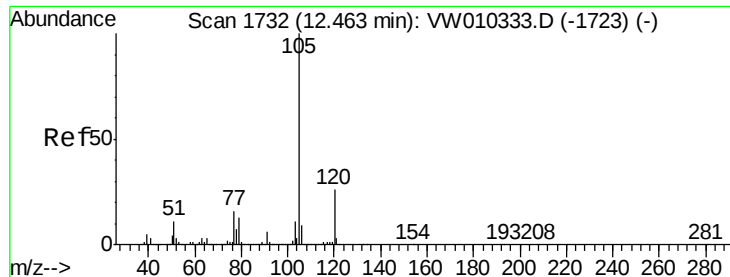
Tgt Ion:173 Resp: 74342
Ion Ratio Lower Upper
173 100
175 46.6 23.8 71.4
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion:152 Resp: 955481
Ion Ratio Lower Upper
152 100
115 59.2 30.4 91.2
150 159.8 0.0 347.0





#73

Isopropylbenzene

Concen: 9.910 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

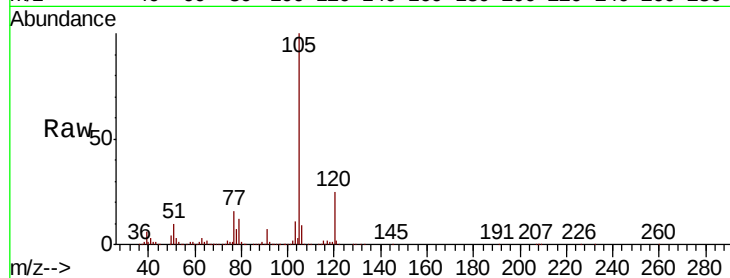
VSTDIC010

Tgt Ion: 105 Resp: 659023

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

400000

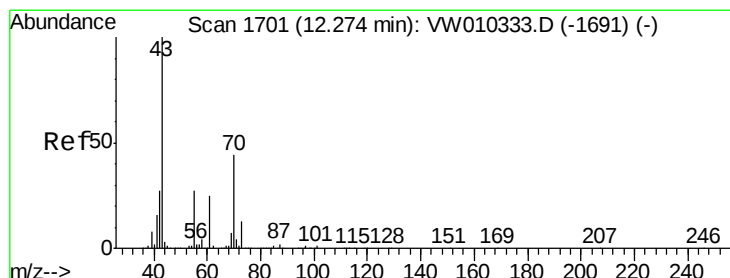
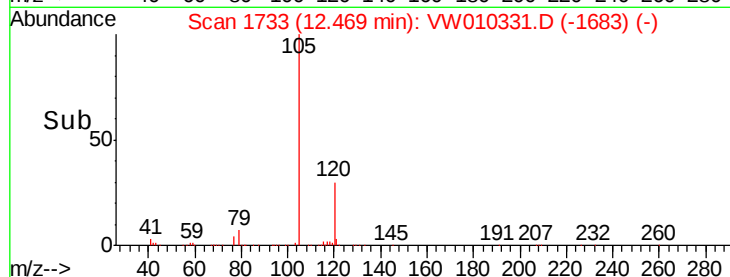
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 8.498 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Tgt Ion: 43 Resp: 156497

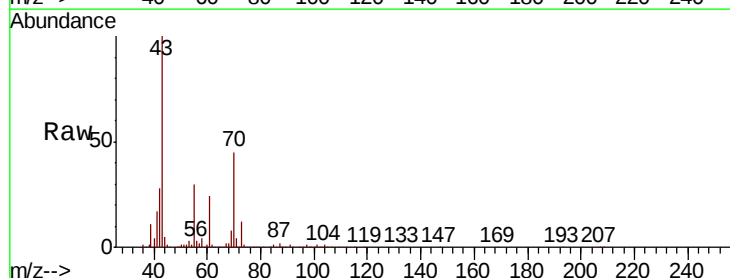
Ion Ratio Lower Upper

43 100

70 44.1 31.3 46.9

55 29.6 20.0 30.0

61 25.0 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

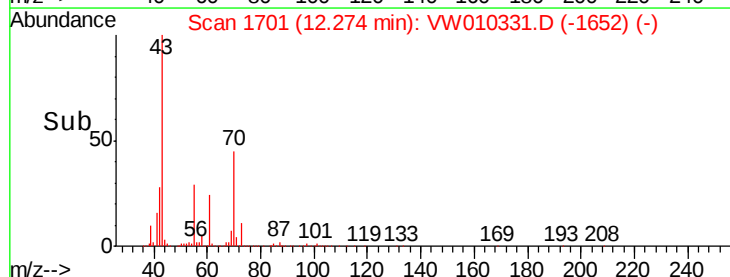
150000

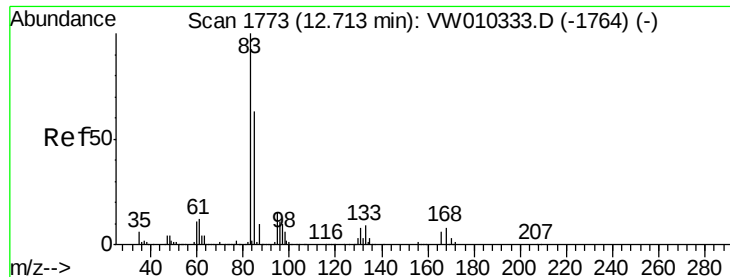
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 11.775 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

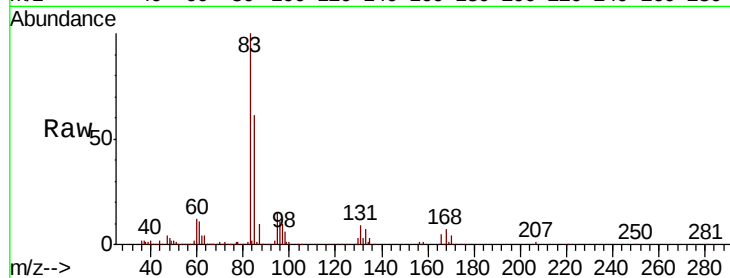
Tgt Ion: 83 Resp: 154696

Ion Ratio Lower Upper

83 100

131 9.4 5.3 15.8

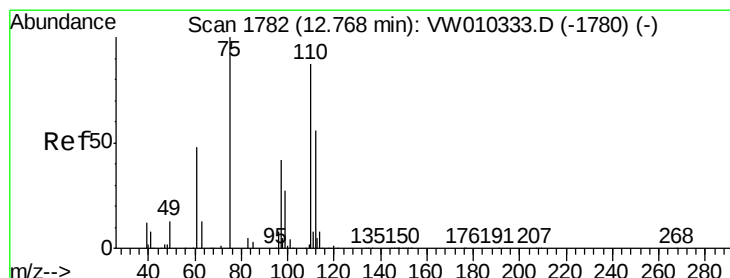
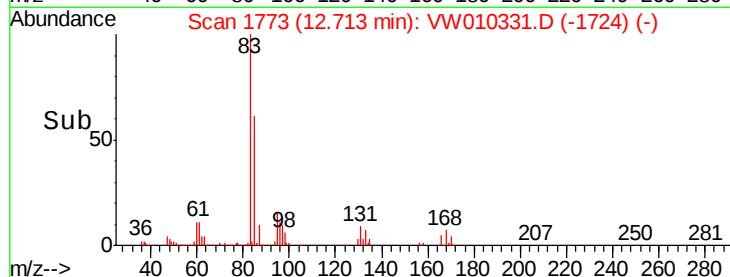
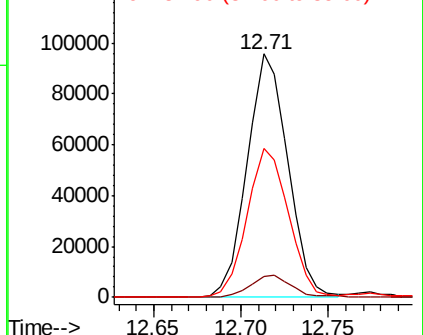
85 62.4 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 19.851 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010331.D

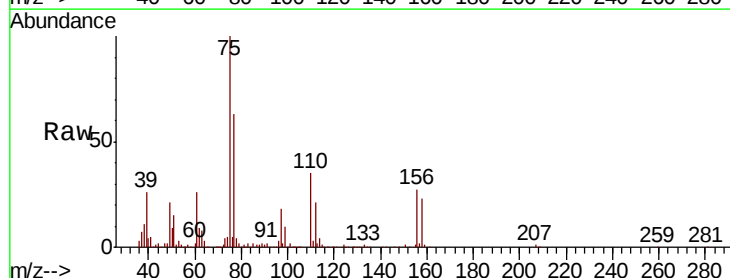
Acq: 09 May 2019 11:38

Tgt Ion: 75 Resp: 189829

Ion Ratio Lower Upper

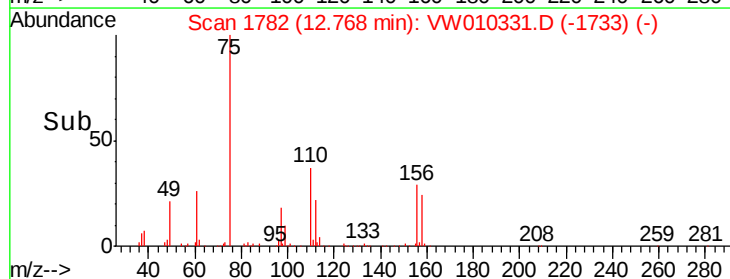
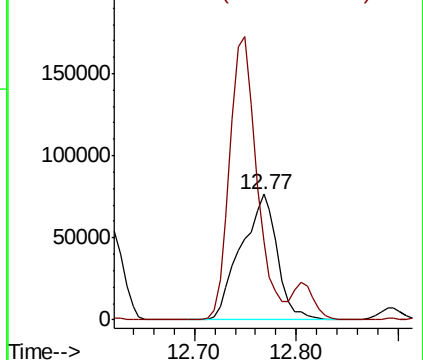
75 100

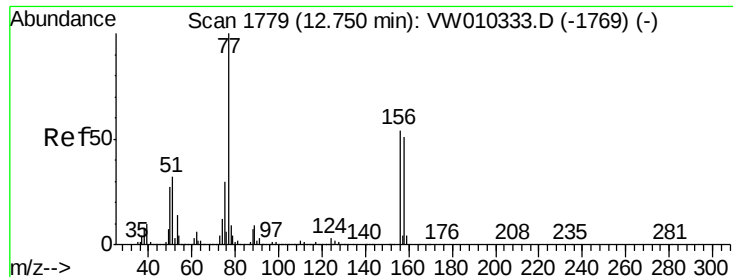
77 167.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 9.999 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

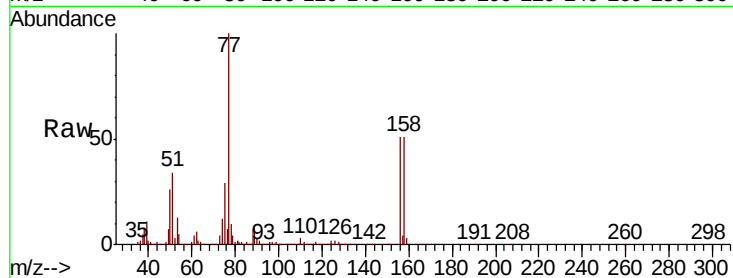
Tgt Ion: 156 Resp: 152926

Ion Ratio Lower Upper

156 100

77 207.8 102.5 307.4

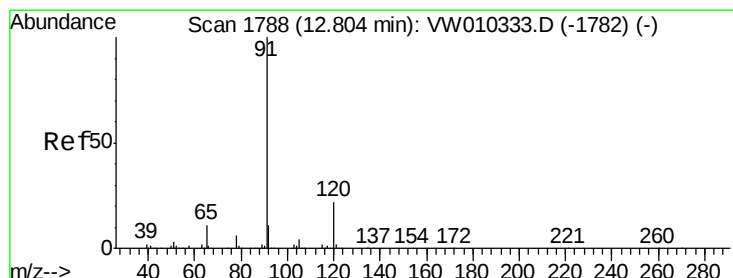
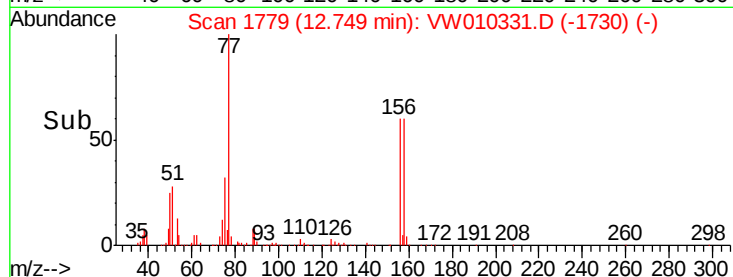
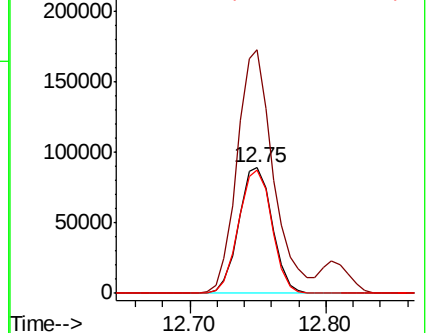
158 97.4 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.028 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010331.D

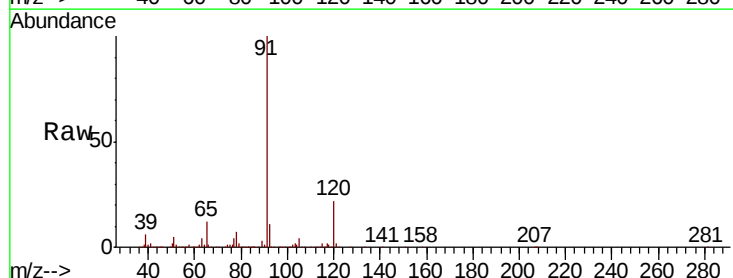
Acq: 09 May 2019 11:38

Tgt Ion: 91 Resp: 826516

Ion Ratio Lower Upper

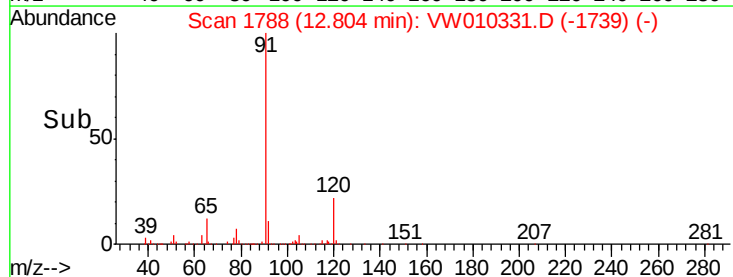
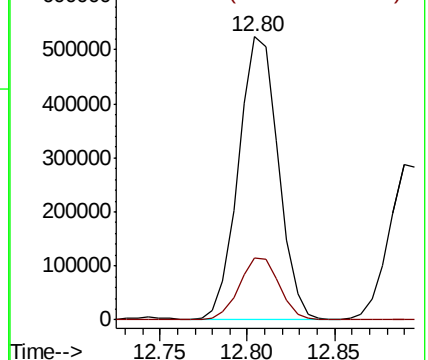
91 100

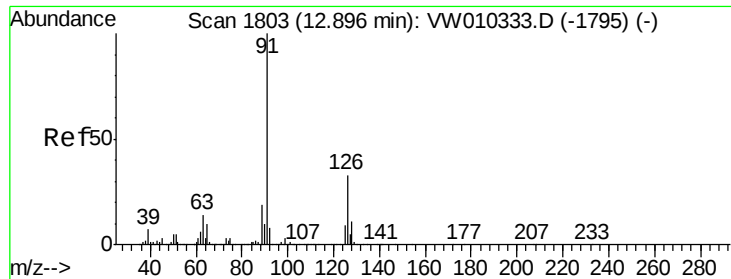
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.033 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

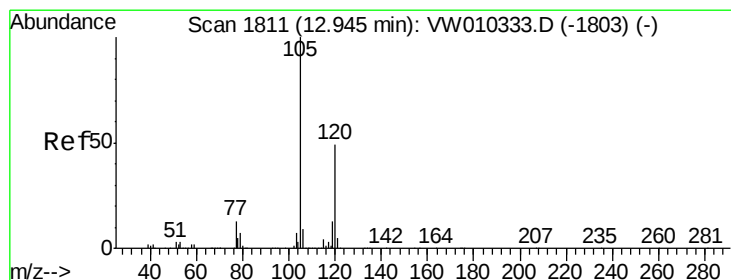
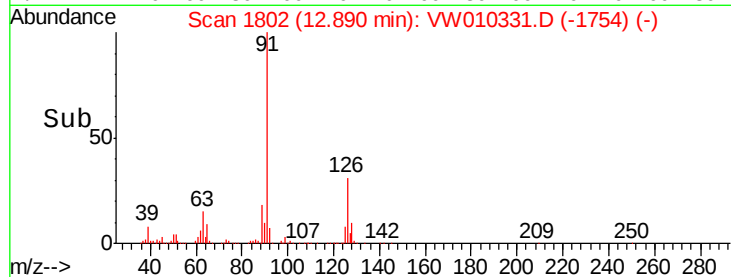
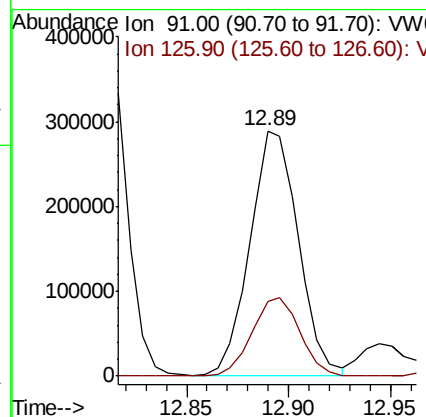
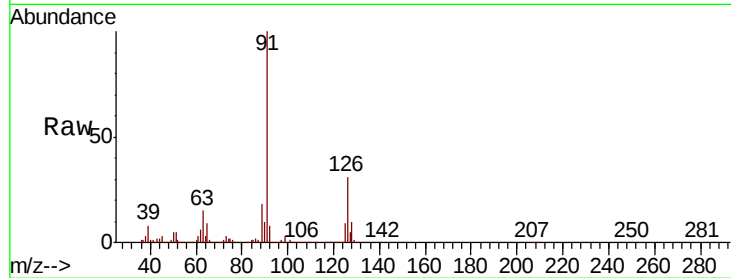
VSTDIC010

Tgt Ion: 91 Resp: 475588

Ion Ratio Lower Upper

91 100

126 31.9 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 9.978 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010331.D

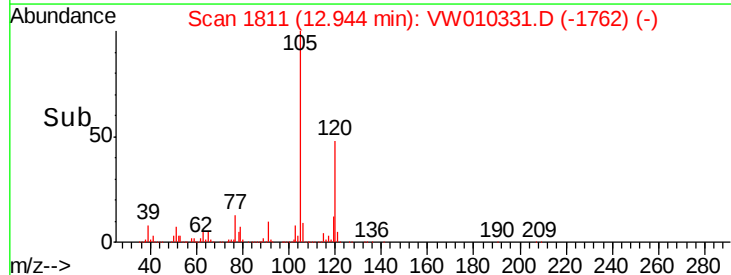
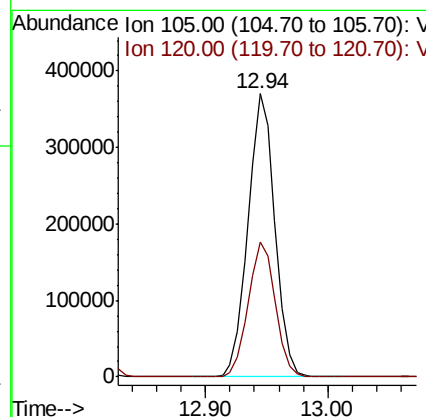
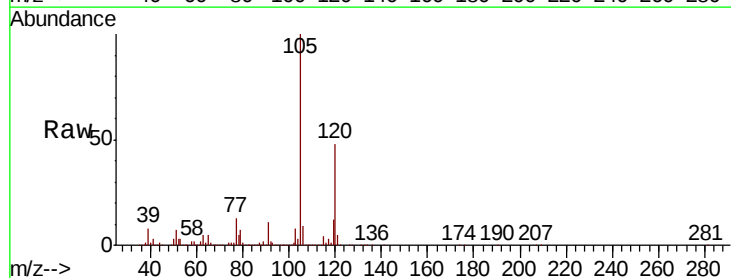
Acq: 09 May 2019 11:38

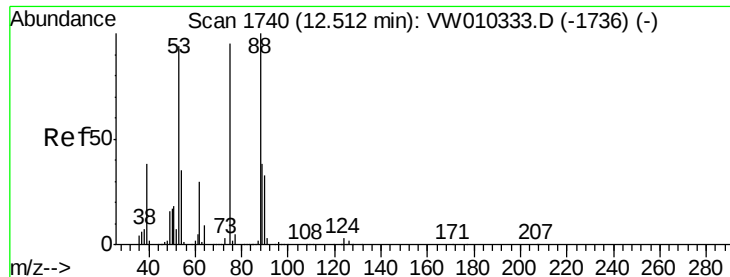
Tgt Ion: 105 Resp: 562600

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 10.788 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

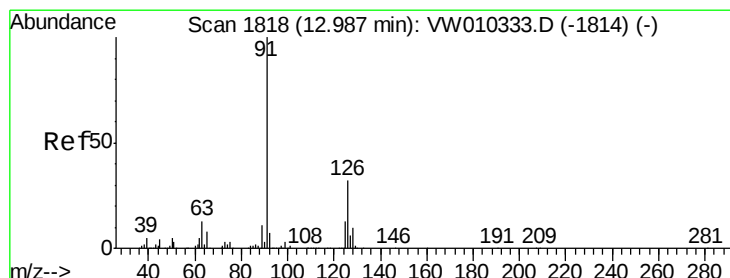
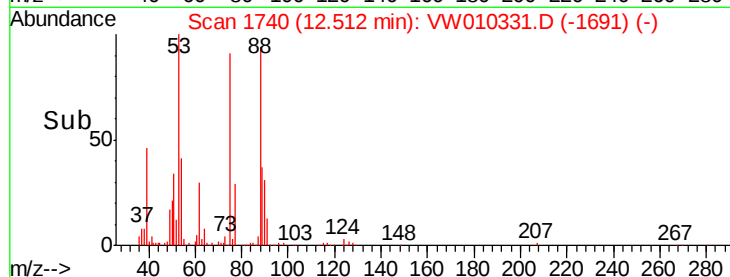
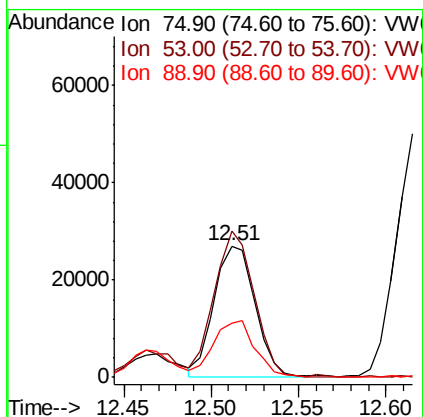
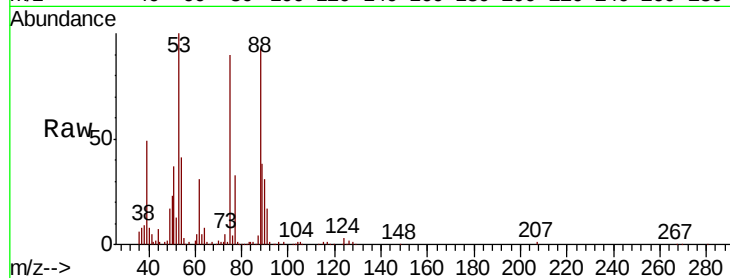
Tgt Ion: 75 Resp: 43751

Ion Ratio Lower Upper

75 100

53 108.0 89.8 134.8

89 44.6 36.6 54.8



#82

4-Chlorotoluene

Concen: 10.173 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010331.D

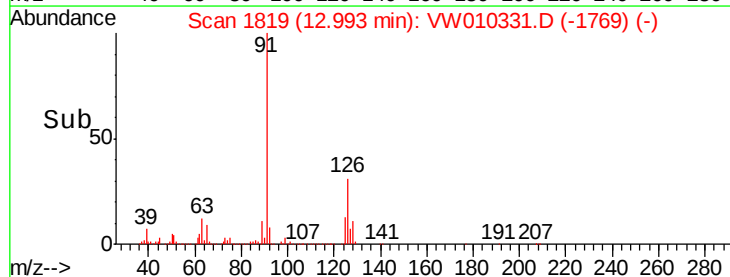
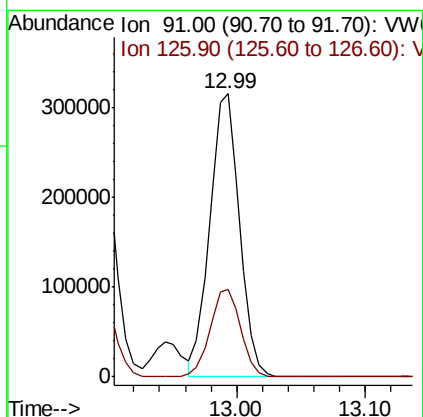
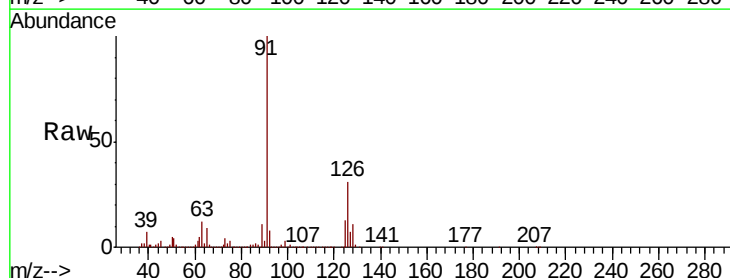
Acq: 09 May 2019 11:38

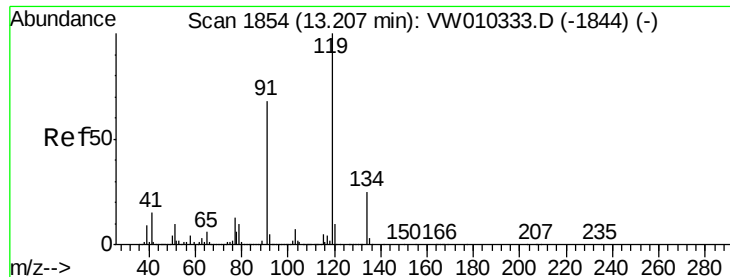
Tgt Ion: 91 Resp: 507499

Ion Ratio Lower Upper

91 100

126 31.9 16.4 49.1





#83

tert-Butylbenzene

Concen: 9.756 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

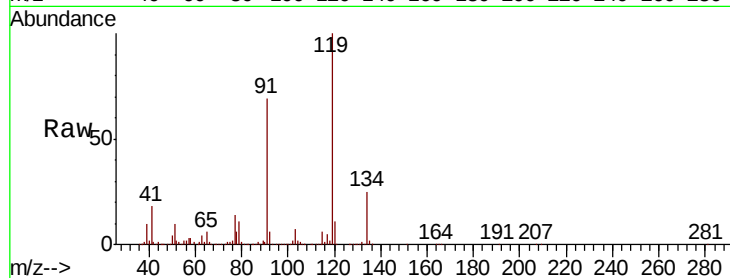
Tgt Ion:119 Resp: 455551

Ion Ratio Lower Upper

119 100

91 67.6 34.8 104.4

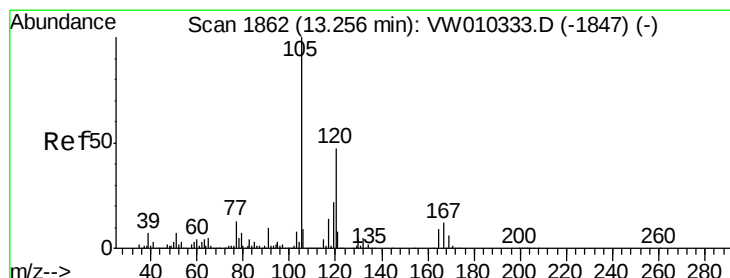
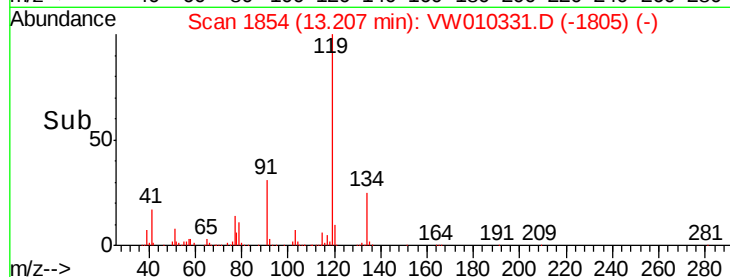
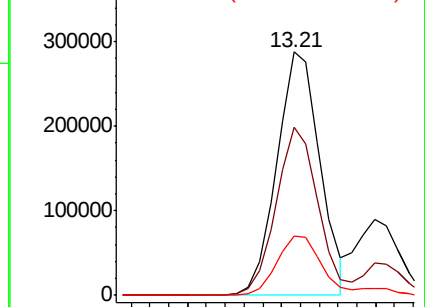
134 25.0 13.7 41.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 9.868 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010331.D

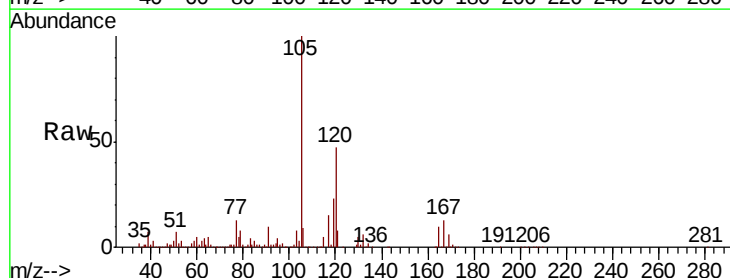
Acq: 09 May 2019 11:38

Tgt Ion:105 Resp: 564112

Ion Ratio Lower Upper

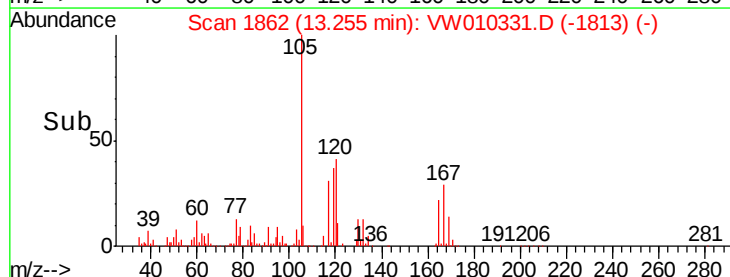
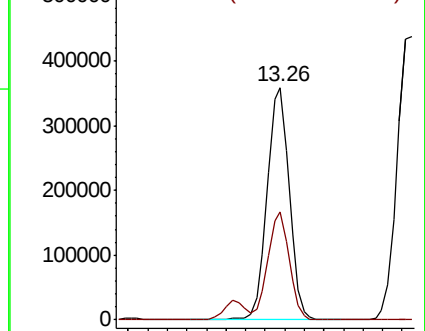
105 100

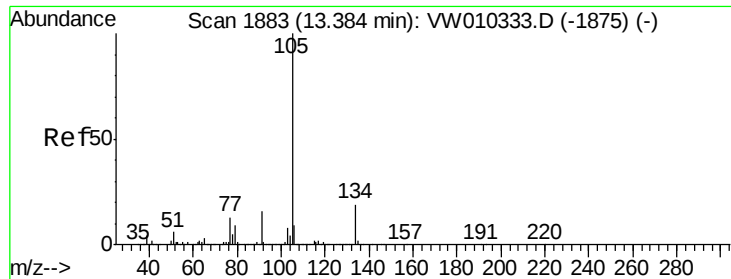
120 45.0 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

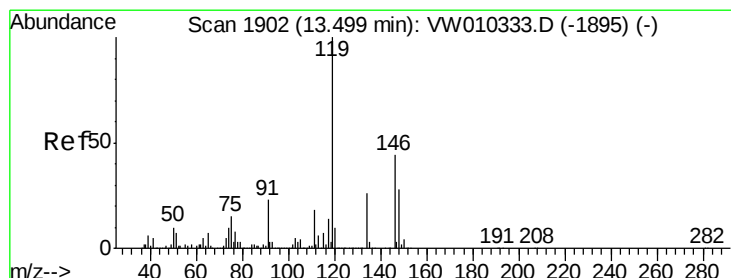
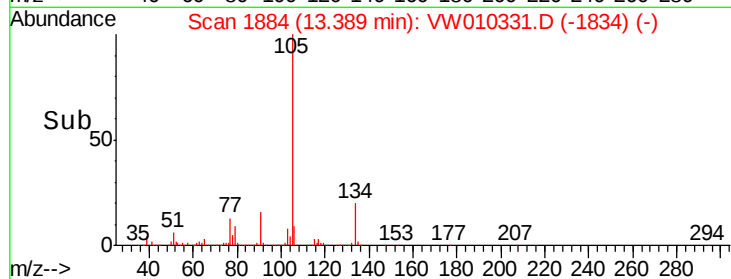
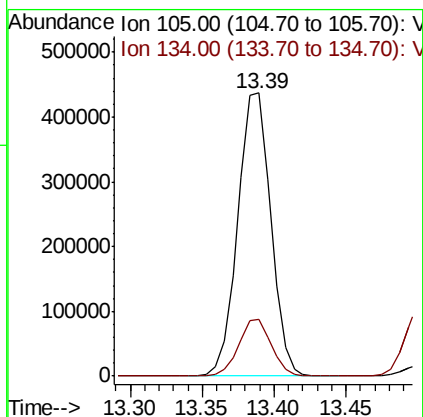
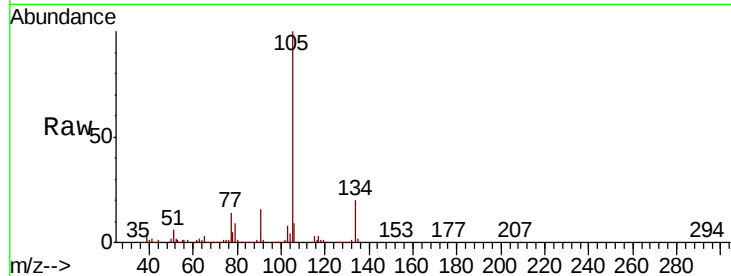




#85
 sec-Butylbenzene
 Concen: 9.972 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

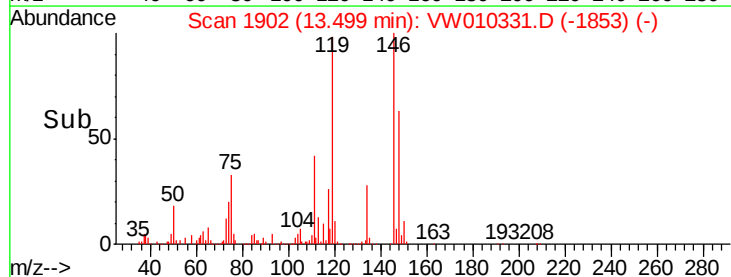
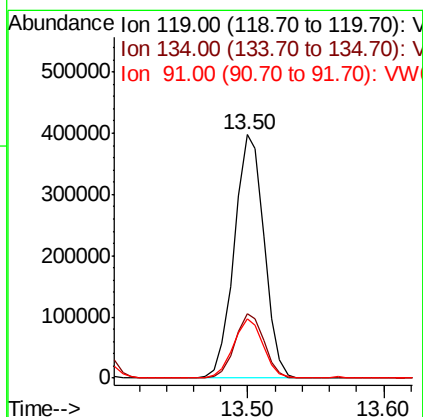
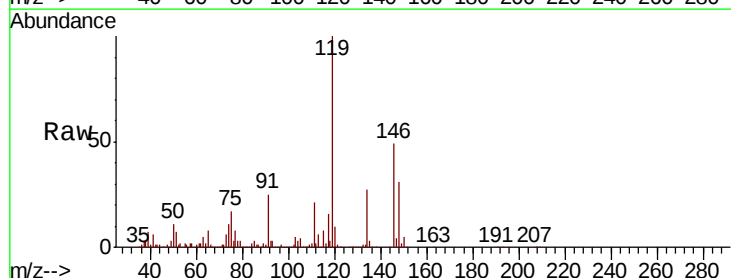
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

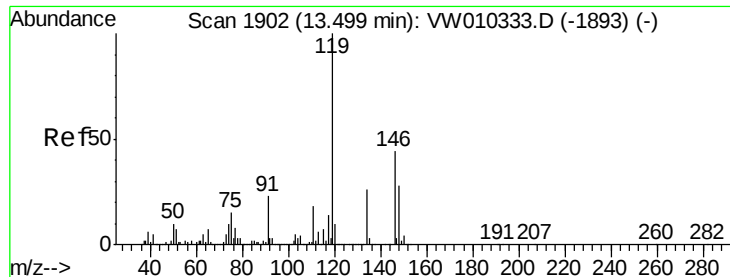
Tgt Ion:105 Resp: 695803
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 9.825 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion:119 Resp: 604219
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 38.9
 91 24.3 12.3 36.9

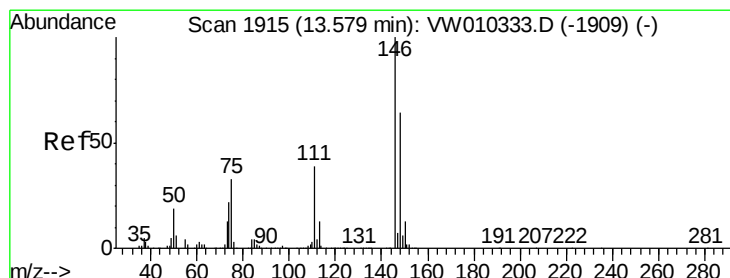
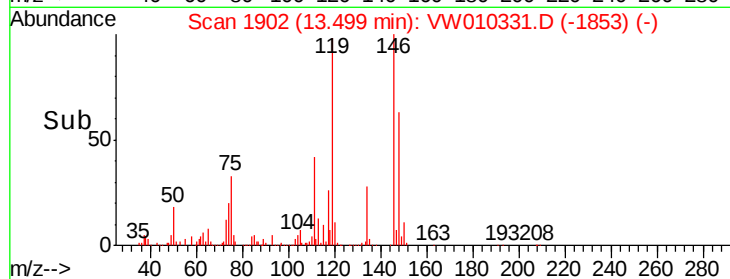
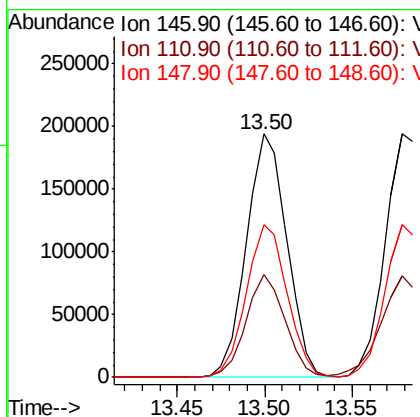
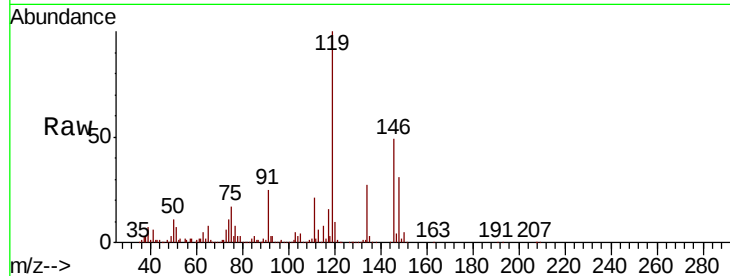




#87
 1,3-Dichlorobenzene
 Concen: 10.112 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

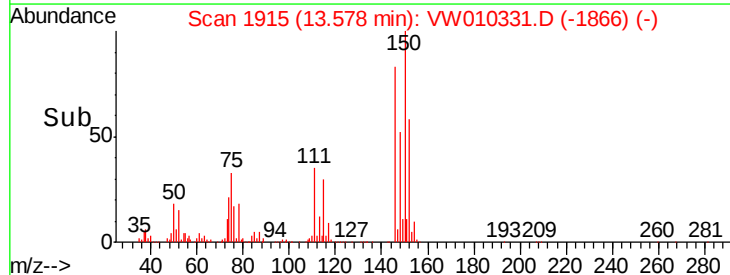
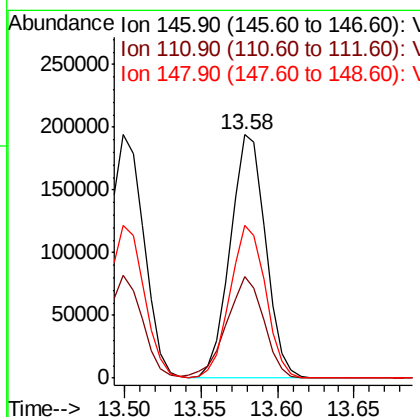
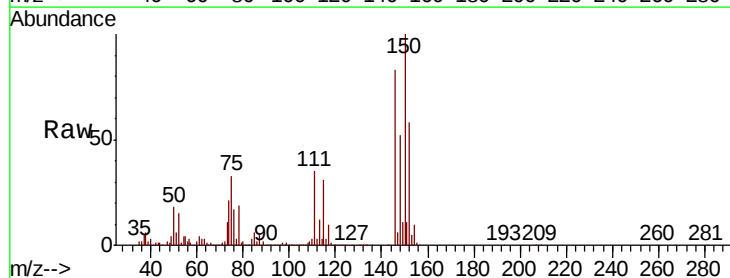
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

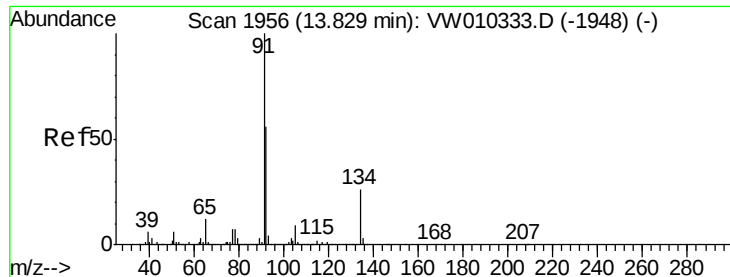
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	61.0
148	63.4	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 10.080 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	20.1	60.3
148	63.4	31.8	95.3





#89

n-Butylbenzene

Concen: 9.964 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

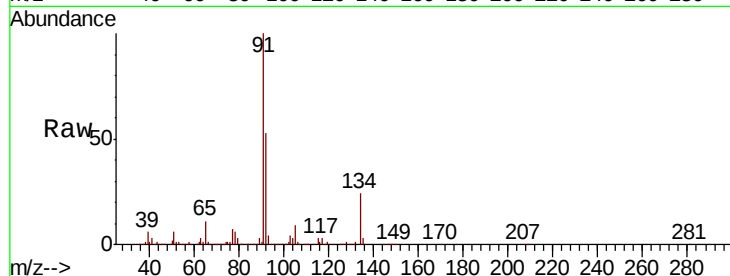
Tgt Ion: 91 Resp: 607123

Ion Ratio Lower Upper

91 100

92 52.7 26.5 79.4

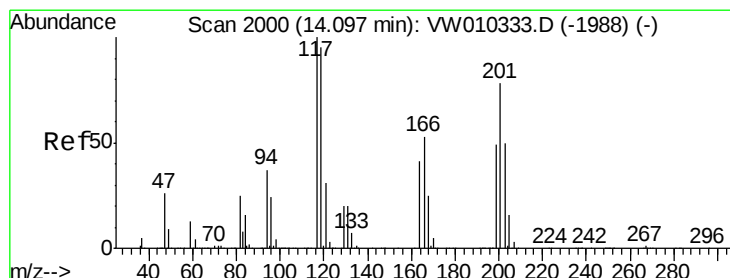
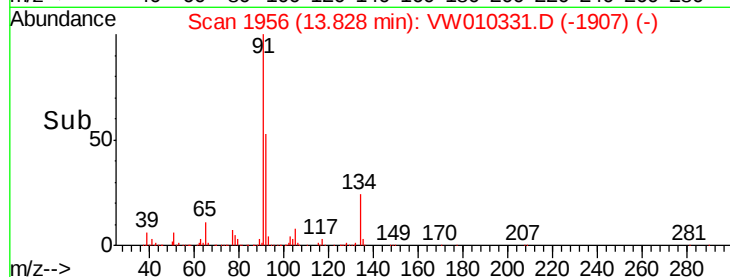
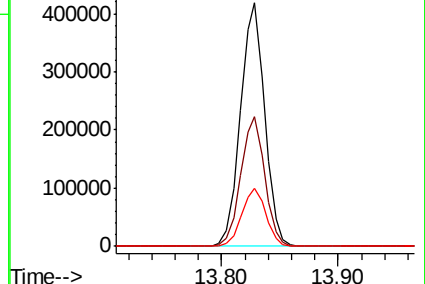
134 23.9 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 9.576 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010331.D

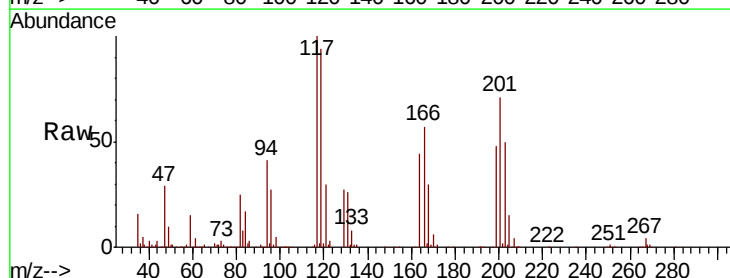
Acq: 09 May 2019 11:38

Tgt Ion: 117 Resp: 112800

Ion Ratio Lower Upper

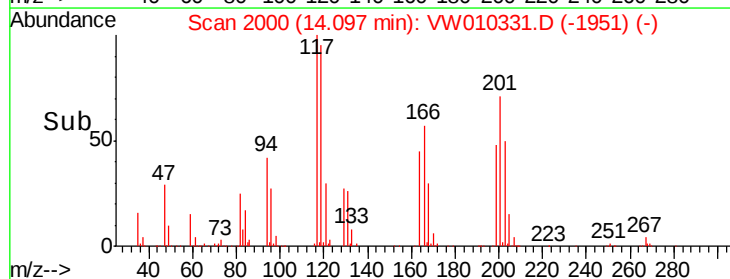
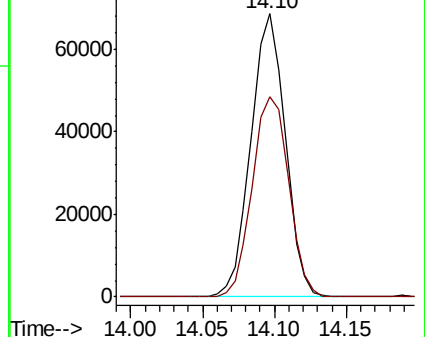
117 100

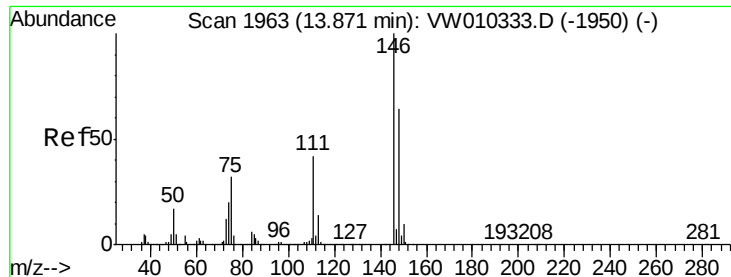
201 75.2 36.1 108.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

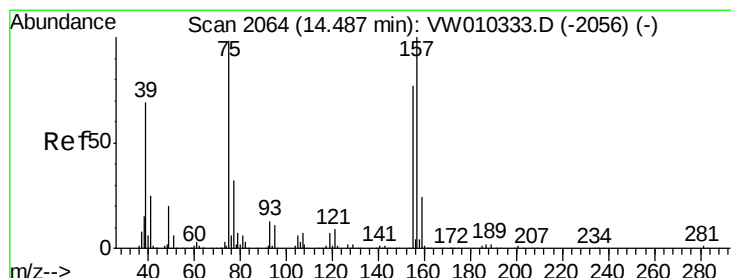
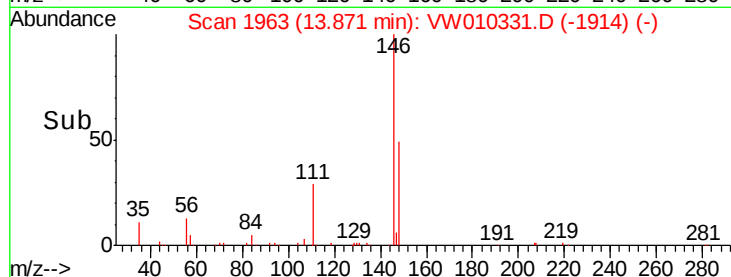
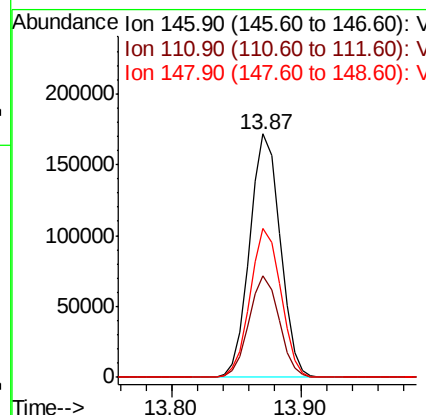
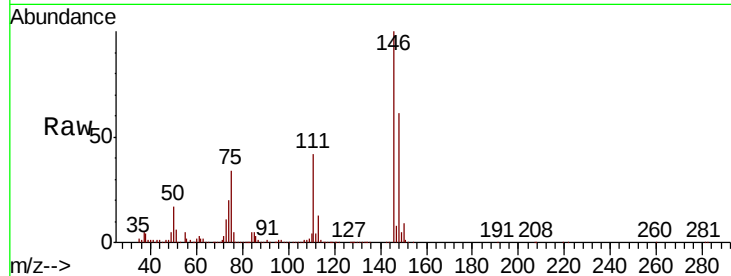




#91
 1,2-Dichlorobenzene
 Concen: 10.089 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

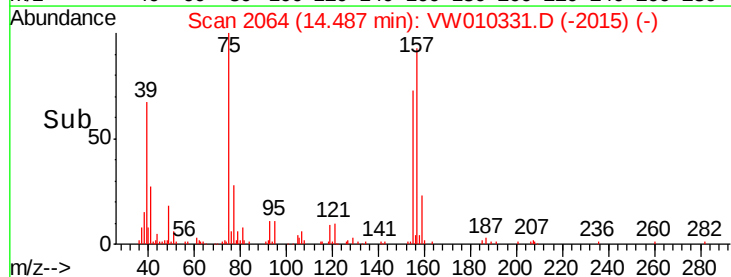
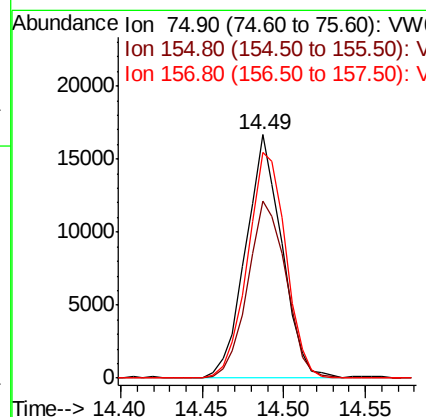
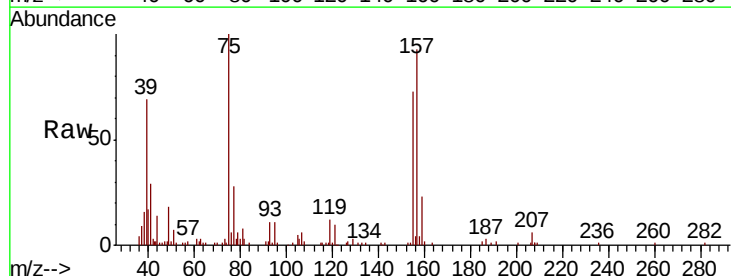
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

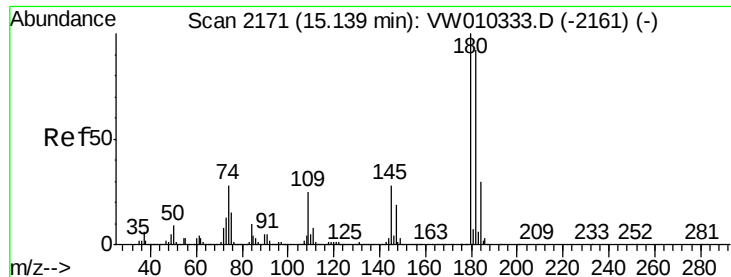
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.9	62.8
148	61.6	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.971 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	37.1	111.5
157	97.5	47.3	141.9

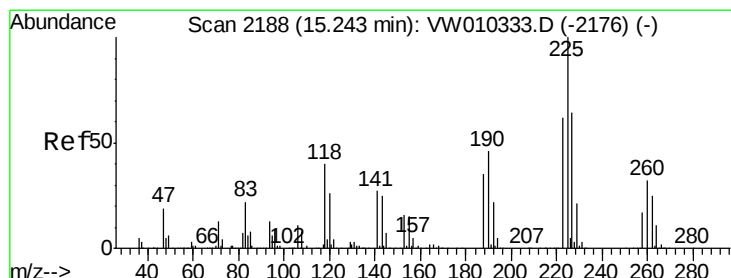
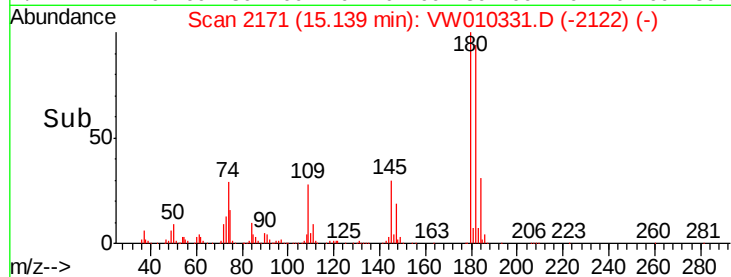
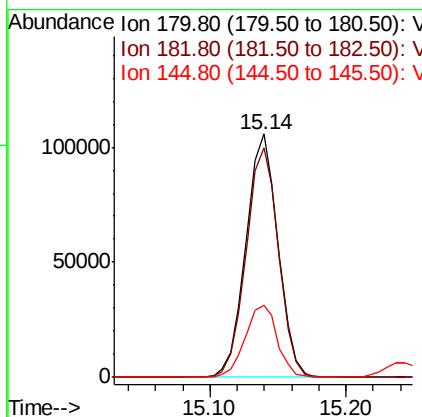
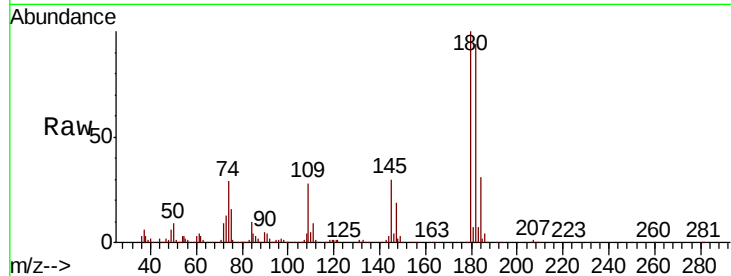




#93
 1,2,4-Trichlorobenzene
 Concen: 9.552 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

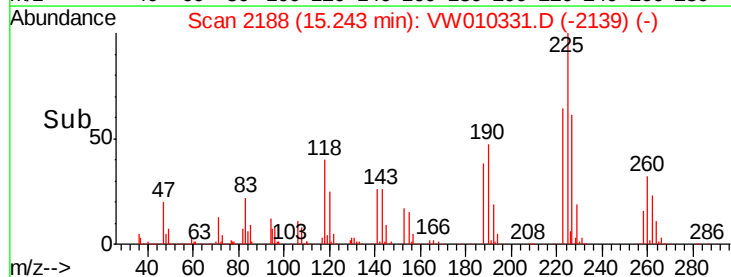
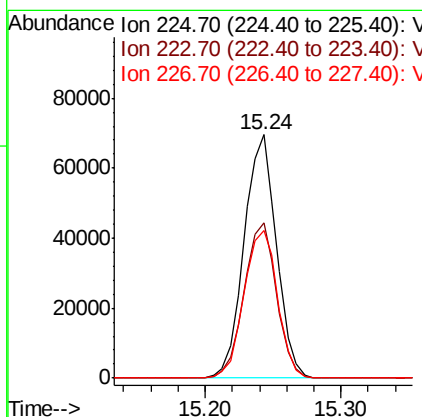
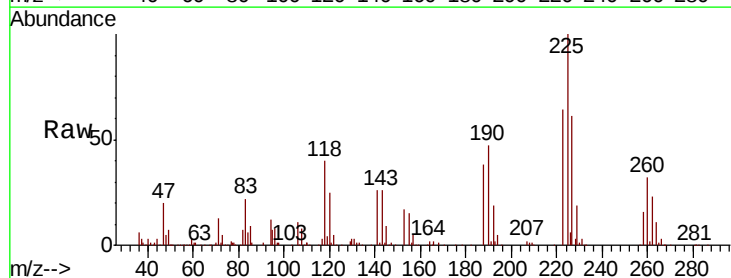
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

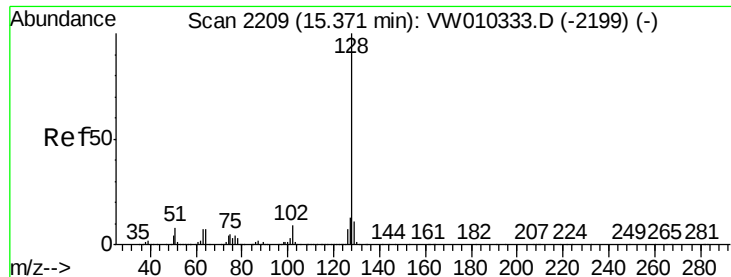
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.1	141.4
145	29.8	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 10.410 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.9	95.5
227	63.0	31.8	95.3

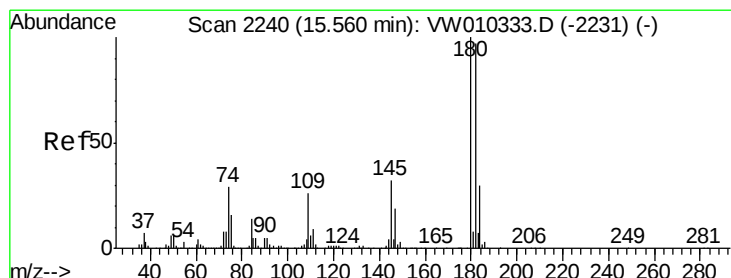
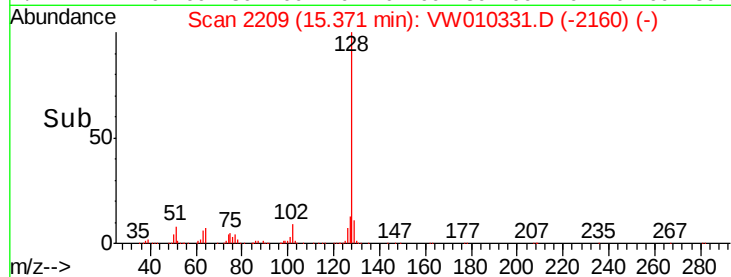
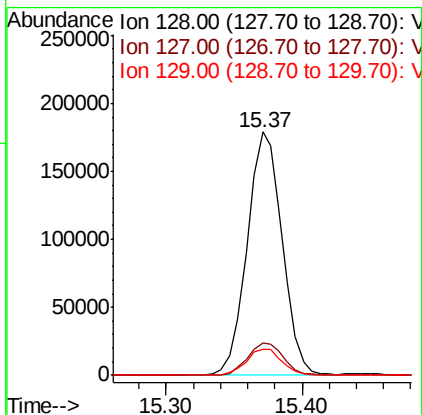
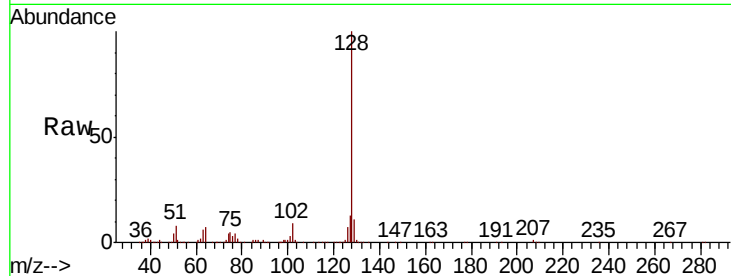




#95
Naphthalene
Concen: 9.835 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	11.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 9.881 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.8	143.3
145	32.8	16.4	49.2

