

Data File : VW011155.D
Acq On : 08 Jul 2019 10:13
Operator : SY/VA
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Quant Time: Jul 09 05:47:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 09 05:44:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	252644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	355094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167493	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	16615	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
35) Dibromofluoromethane	7.88	113	12952	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
50) Toluene-d8	10.32	98	51208	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
62) 4-Bromofluorobenzene	12.62	95	19446	5.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.66%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	10025	5.320 ug/l	99
3) Chloromethane	2.21	50	13508	5.564 ug/l	96
4) Vinyl Chloride	2.35	62	16711	5.259 ug/l	98
5) Bromomethane	2.77	94	8825	5.527 ug/l	92
6) Chloroethane	2.92	64	8847	5.169 ug/l	96
7) Trichlorofluoromethane	3.24	101	6177	5.472 ug/l	100
8) Diethyl Ether	3.68	74	7610	4.872 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14237	5.265 ug/l	97
10) Methyl Iodide	4.27	142	18775	5.048 ug/l	99
11) Tert butyl alcohol	5.17	59	5823	24.775 ug/l	99
12) 1,1-Dichloroethene	4.03	96	14657	5.222 ug/l	96
13) Acrolein	3.88	56	4442	23.734 ug/l	97
14) Allyl chloride	4.65	41	27030	5.281 ug/l	100
15) Acrylonitrile	5.36	53	19012	23.899 ug/l	97
16) Acetone	4.11	43	20259	26.523 ug/l	98
17) Carbon Disulfide	4.38	76	44300	5.206 ug/l	98
18) Methyl Acetate	4.67	43	15529	6.501 ug/l	99
19) Methyl tert-butyl Ether	5.42	73	20973	4.925 ug/l	97
20) Methylene Chloride	4.92	84	15981	5.304 ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	14896	5.108 ug/l	94
22) Diisopropyl ether	6.31	45	53745	4.882 ug/l	98
23) Vinyl Acetate	6.25	43	137891	20.241 ug/l	99
24) 1,1-Dichloroethane	6.21	63	29145	5.042 ug/l	99
25) 2-Butanone	7.16	43	27893	23.263 ug/l	94
26) 2,2-Dichloropropane	7.16	77	16327	5.434 ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	15377	4.888 ug/l	96
28) Bromochloromethane	7.51	49	13641	5.190 ug/l	100
29) Tetrahydrofuran	7.53	42	17973	22.860 ug/l	100
30) Chloroform	7.67	83	28370	5.300 ug/l	97
31) Cyclohexane	7.95	56	35731	5.810 ug/l	# 77
32) 1,1,1-Trichloroethane	7.87	97	21398	5.255 ug/l	98
36) 1,1-Dichloropropene	8.07	75	22840	5.195 ug/l	99
37) Ethyl Acetate	7.25	43	12884	4.877 ug/l	98
38) Carbon Tetrachloride	8.06	117	19282	5.173 ug/l	99

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VSTDIC005

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Quant Title : SW846 8260
QLast Update : Tue Jul 09 05:44:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	26931	5.053	ug/l	93
40) Benzene	8.32	78	62276	5.125	ug/l	96
41) Methacrylonitrile	7.48	41	7413	4.906	ug/l	94
42) 1,2-Dichloroethane	8.40	62	19992	5.072	ug/l	98
43) Isopropyl Acetate	8.43	43	22707	4.553	ug/l	96
44) Trichloroethene	9.09	130	14933	5.107	ug/l	96
45) 1,2-Dichloropropane	9.37	63	16733	5.085	ug/l	97
46) Dibromomethane	9.46	93	7558	4.890	ug/l	98
47) Bromodichloromethane	9.64	83	19472	4.923	ug/l	97
48) Methyl methacrylate	9.43	41	10382	4.327	ug/l	94
49) 1,4-Dioxane	9.45	88	2487	96.391	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	58684	22.524	ug/l	100
52) Toluene	10.38	92	36301	4.925	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	19410	4.611	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	23455	4.733	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	10772	4.912	ug/l	97
56) Ethyl methacrylate	10.65	69	14581	4.367	ug/l	99
57) 1,3-Dichloropropane	10.93	76	20082	4.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	31612	20.424	ug/l	99
59) 2-Hexanone	10.97	43	39703	21.973	ug/l	100
60) Dibromochloromethane	11.12	129	11086	4.610	ug/l	98
61) 1,2-Dibromoethane	11.24	107	9870	4.752	ug/l	99
64) Tetrachloroethene	10.86	164	13128	5.479	ug/l	96
65) Chlorobenzene	11.66	112	36804	5.098	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	12761	5.020	ug/l	99
67) Ethyl Benzene	11.73	91	69311	5.015	ug/l	98
68) m/p-Xylenes	11.83	106	50186	10.035	ug/l	100
69) o-Xylene	12.16	106	23358	4.956	ug/l	99
70) Styrene	12.18	104	38999	4.794	ug/l	99
71) Bromoform	12.35	173	6556	4.851	ug/l #	95
73) Isopropylbenzene	12.46	105	64499	5.151	ug/l	99
74) N-amyl acetate	12.27	43	20112	4.612	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	12924	5.036	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	16822	8.667	ug/l #	100
77) Bromobenzene	12.75	156	14486	5.155	ug/l	98
78) n-propylbenzene	12.80	91	79699	5.167	ug/l	99
79) 2-Chlorotoluene	12.89	91	46037	5.187	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	54635	5.136	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	3954	4.620	ug/l	96
82) 4-Chlorotoluene	12.99	91	48083	5.201	ug/l	99
83) tert-Butylbenzene	13.21	119	45484	5.127	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	54493	5.102	ug/l	98
85) sec-Butylbenzene	13.38	105	67155	5.246	ug/l	99
86) p-Isopropyltoluene	13.50	119	58739	5.116	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	28671	5.303	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	28969	5.321	ug/l	91
89) n-Butylbenzene	13.82	91	58602	5.117	ug/l	100
90) Hexachloroethane	14.09	117	10990	5.238	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	25566	5.213	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2323	5.103	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070819\
Quantitation Report (Not Reviewed)

Data File : VW011155.D
Acq On : 08 Jul 2019 10:13
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Jul 09 05:47:10 2019
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Quant Title : SW846 8260
QLast Update : Tue Jul 09 05:44:32 2019
Response via : Initial Calibration

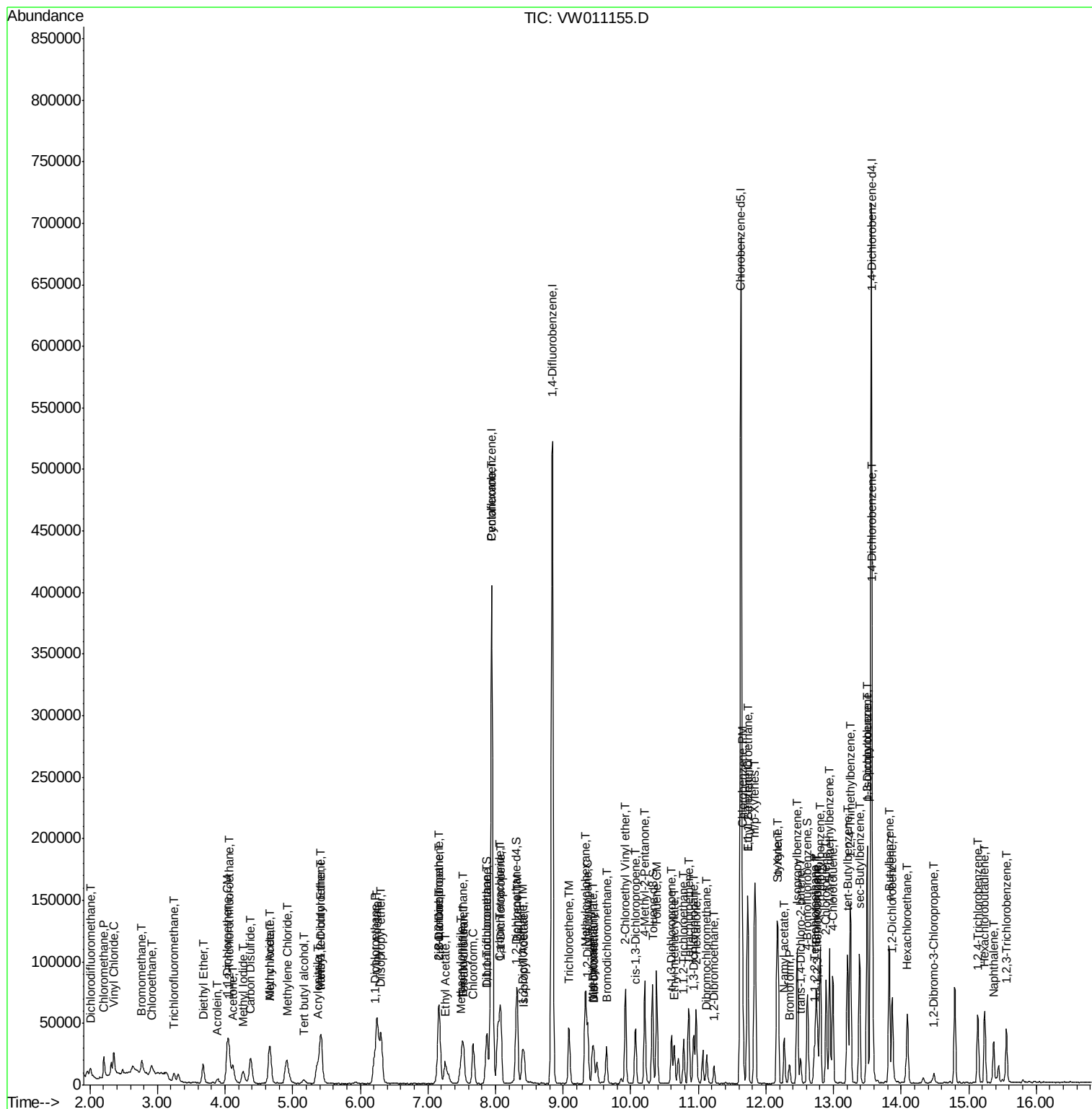
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	16449	4.869	ug/l	98
94) Hexachlorobutadiene	15.24	225	10809	5.212	ug/l	100
95) Naphthalene	15.37	128	27242	4.208	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	13916	4.668	ug/l	96

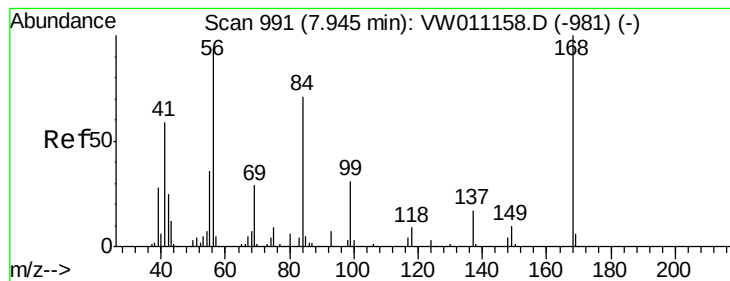
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW011155.D
Acq On : 08 Jul 2019 10:13
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Jul 09 05:47:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 09 05:44:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

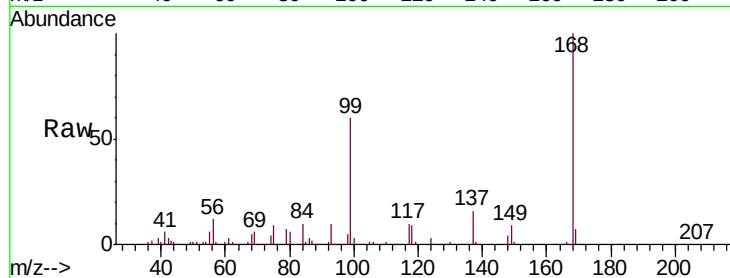
VSTDIC005

Tgt Ion: 168 Resp: 252644

Ion Ratio Lower Upper

168 100

99 60.2 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

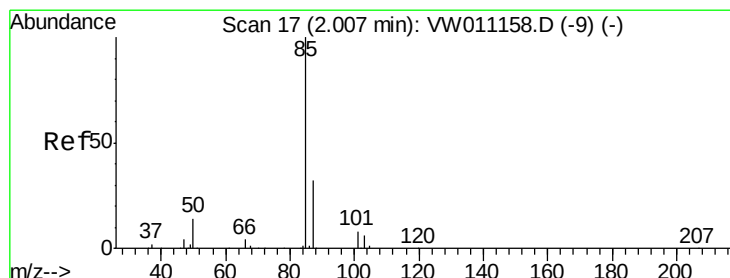
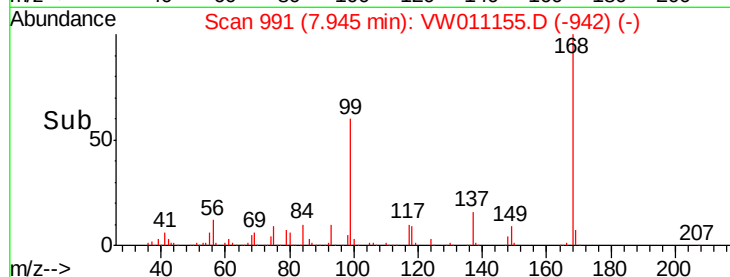
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 5.320 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011155.D

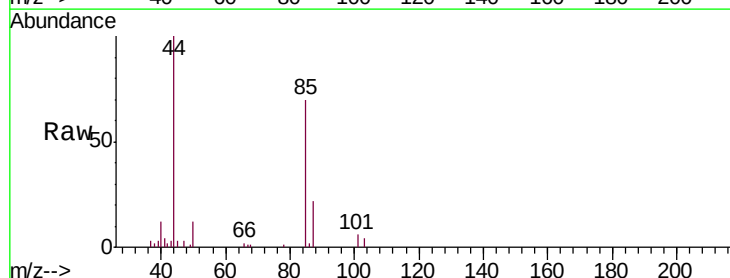
Acq: 08 Jul 2019 10:13

Tgt Ion: 85 Resp: 10025

Ion Ratio Lower Upper

85 100

87 31.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

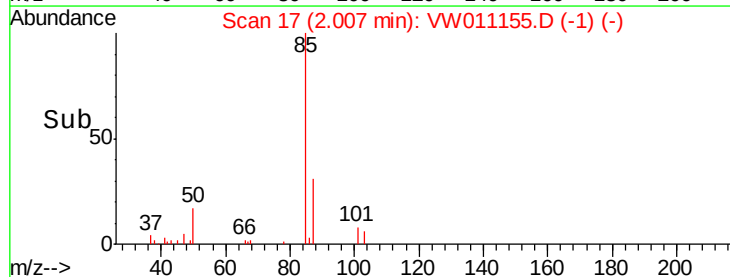
3000

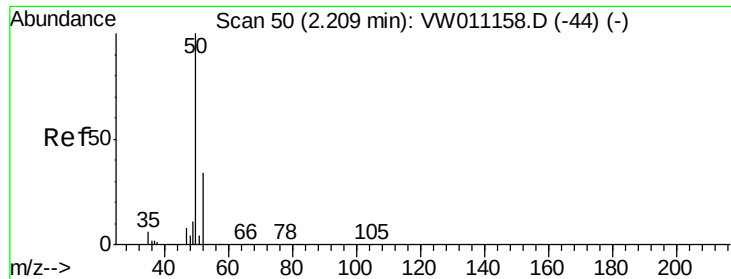
2000

1000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 5.564 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

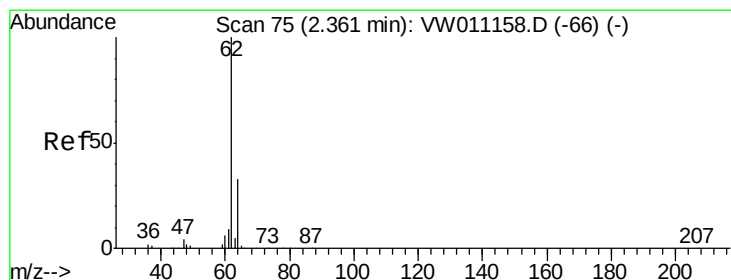
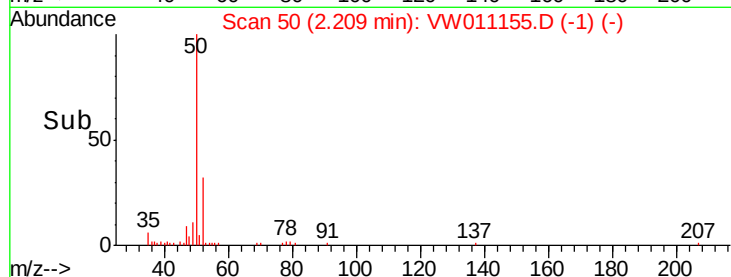
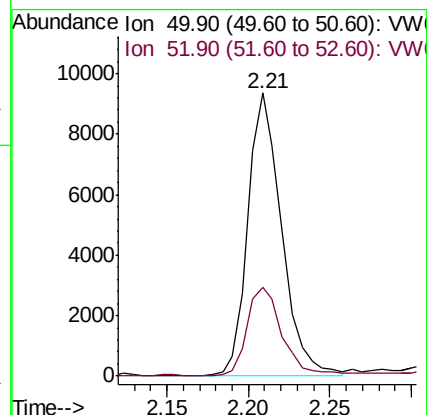
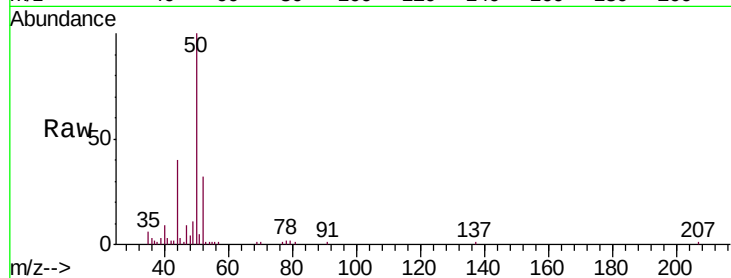
VSTDIC005

Tgt Ion: 50 Resp: 13508

Ion Ratio Lower Upper

50 100

52 31.5 26.9 40.3



#4

Vinyl Chloride

Concen: 5.259 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011155.D

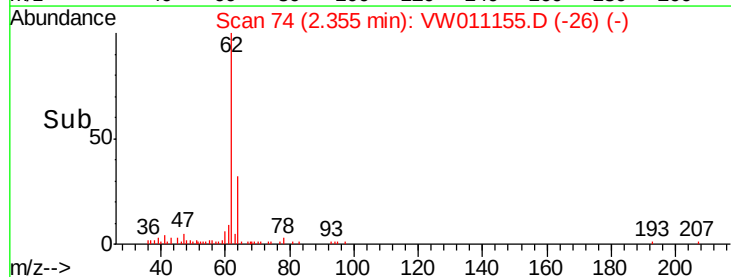
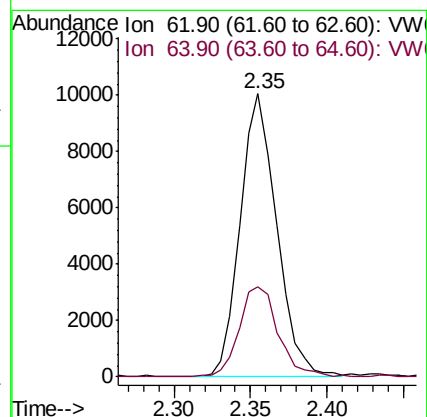
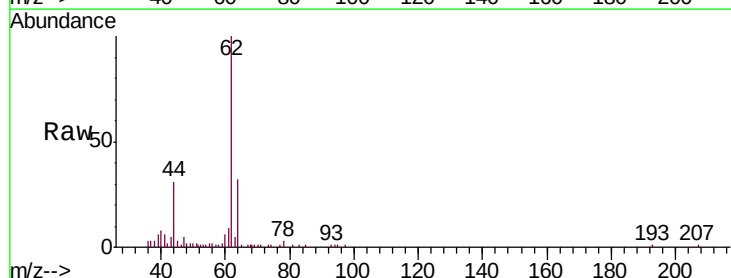
Acq: 08 Jul 2019 10:13

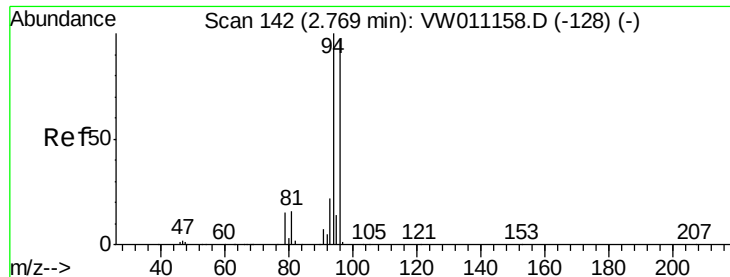
Tgt Ion: 62 Resp: 16711

Ion Ratio Lower Upper

62 100

64 31.9 26.6 40.0





#5

Bromomethane

Concen: 5.527 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

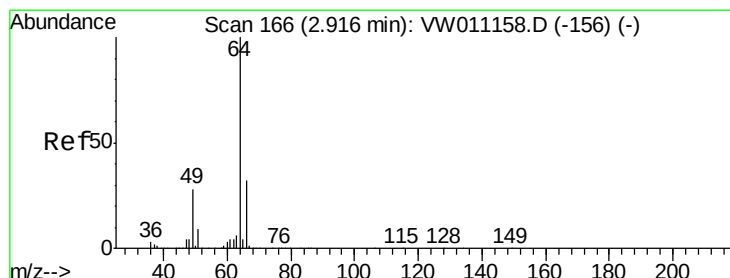
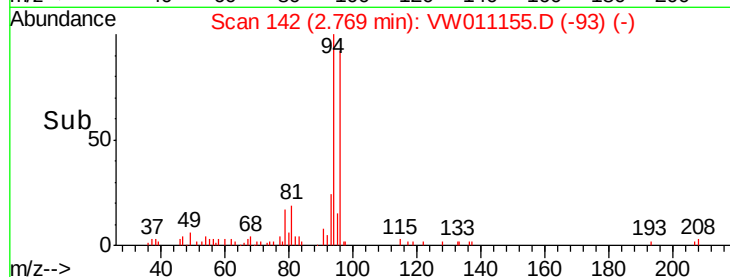
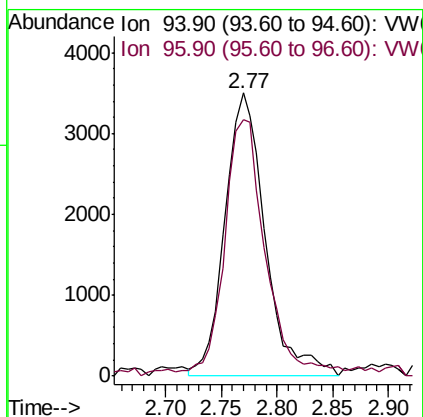
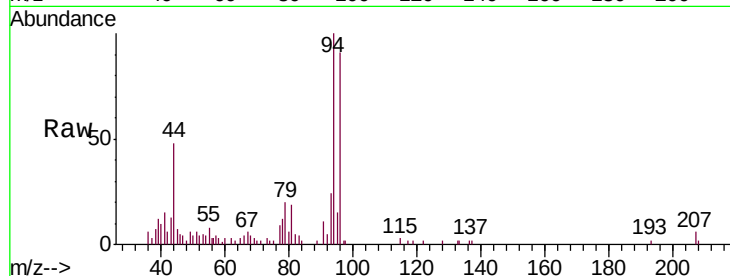
VSTDIC005

Tgt Ion: 94 Resp: 8825

Ion Ratio Lower Upper

94 100

96 88.7 77.4 116.0



#6

Chloroethane

Concen: 5.169 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011155.D

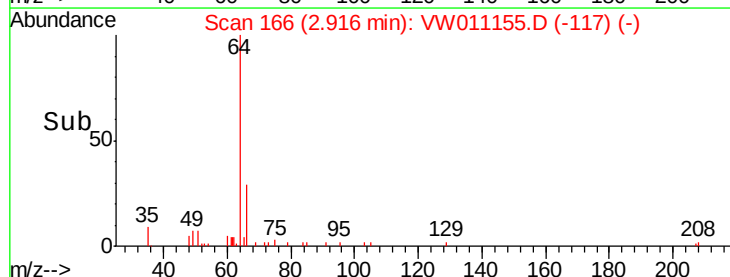
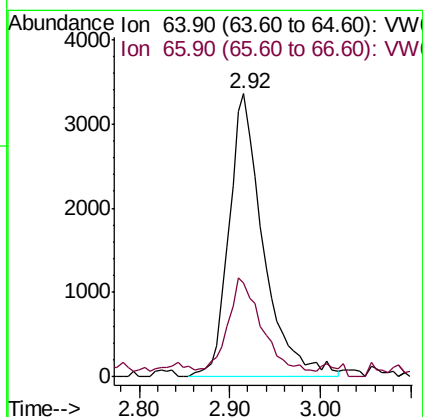
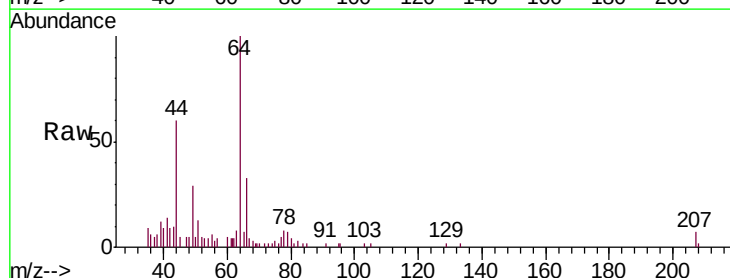
Acq: 08 Jul 2019 10:13

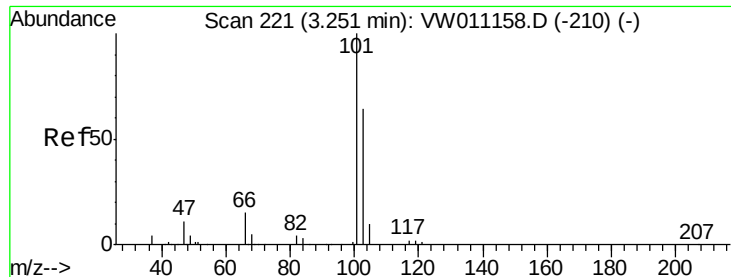
Tgt Ion: 64 Resp: 8847

Ion Ratio Lower Upper

64 100

66 30.3 25.8 38.8



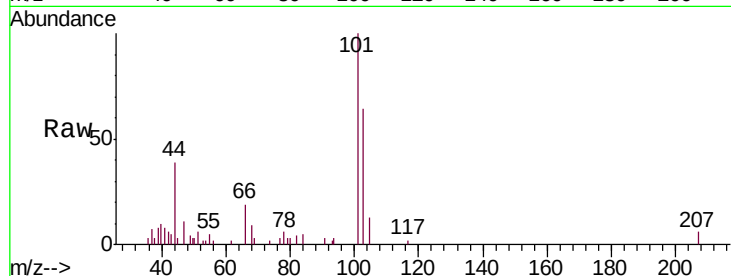


#7

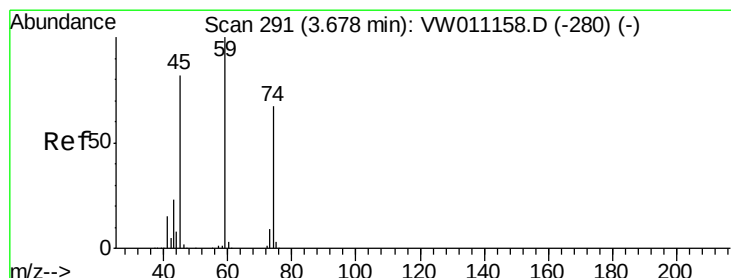
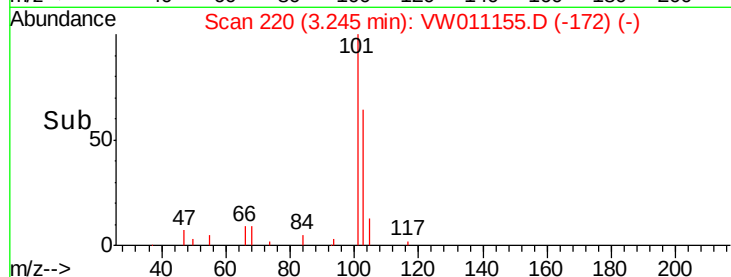
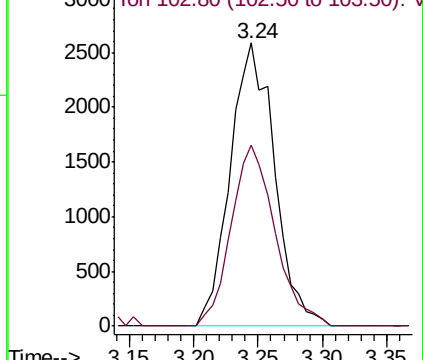
Trichlorofluoromethane
 Concen: 5.472 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:101 Resp: 6177
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.3 76.9



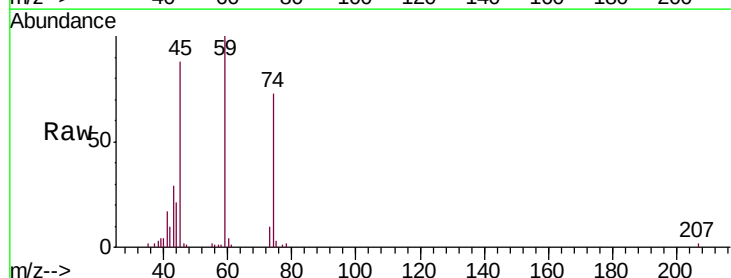
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



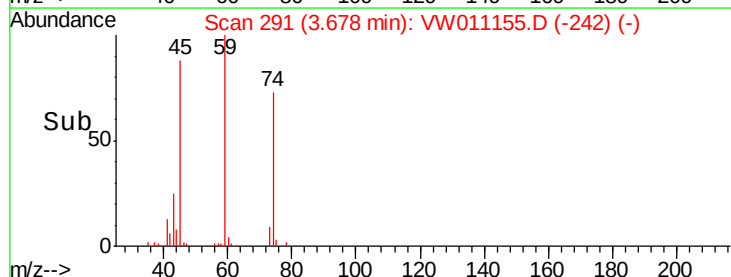
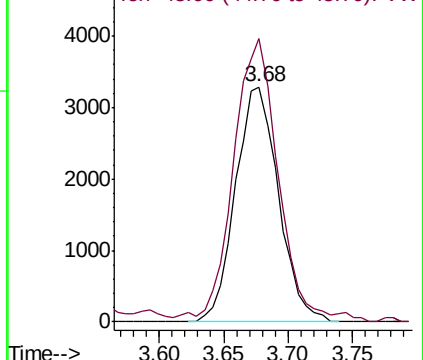
#8

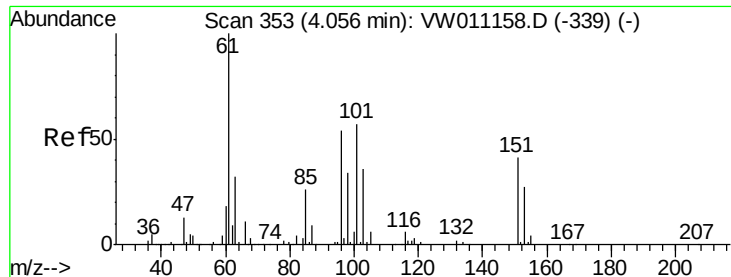
Diethyl Ether
 Concen: 4.872 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion: 74 Resp: 7610
 Ion Ratio Lower Upper
 74 100
 45 127.1 59.9 179.7



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW

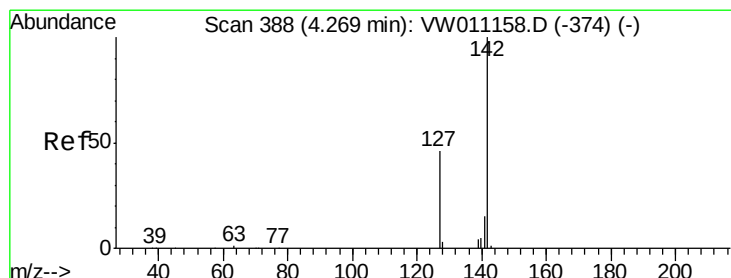
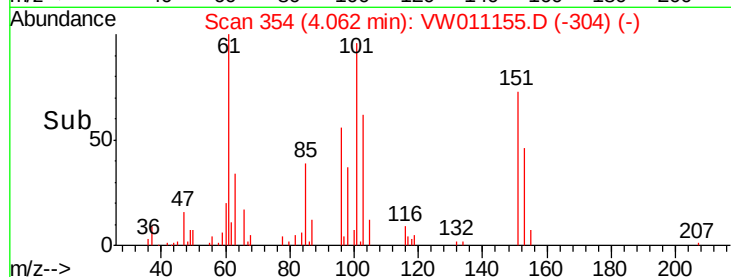
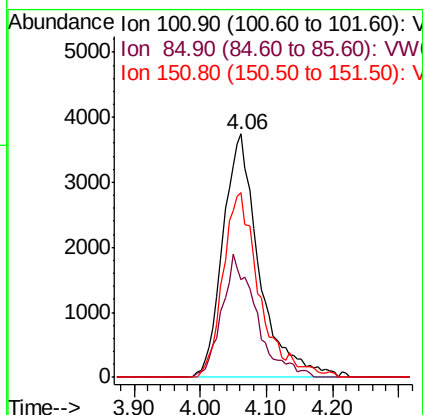
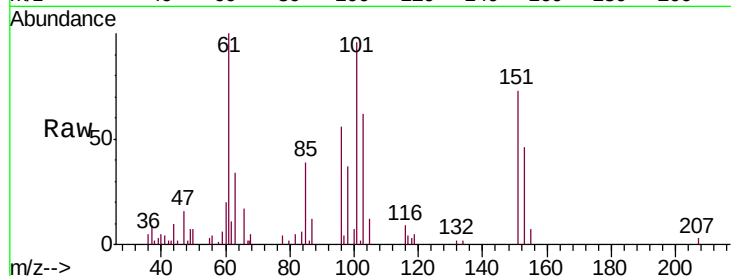




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.265 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VW011155.D
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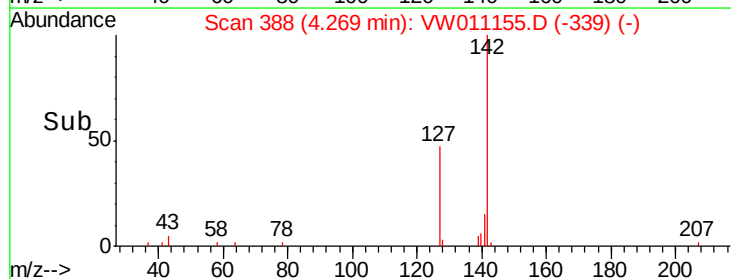
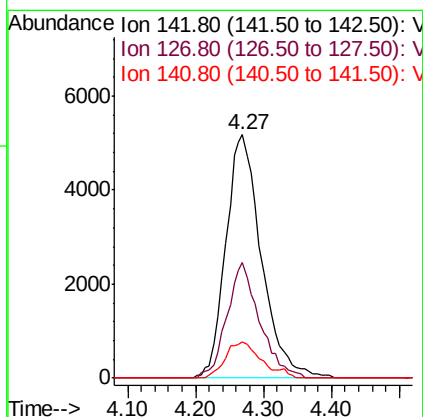
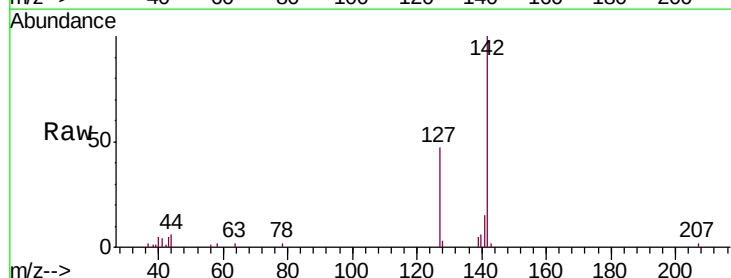
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

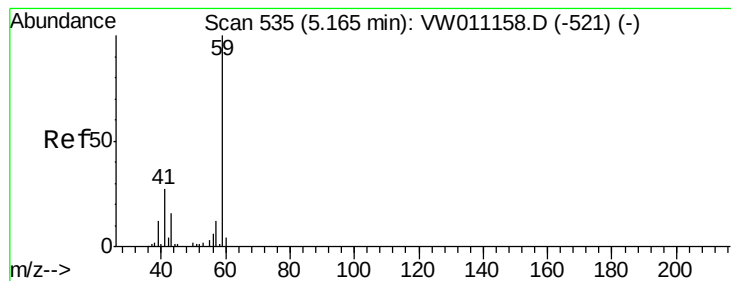
Tgt Ion	Ratio	Lower	Upper
101	100		
85	48.1	36.5	54.7
151	75.8	59.1	88.7



#10
 Methyl Iodide
 Concen: 5.048 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.8	35.7	53.5
141	14.9	11.5	17.3



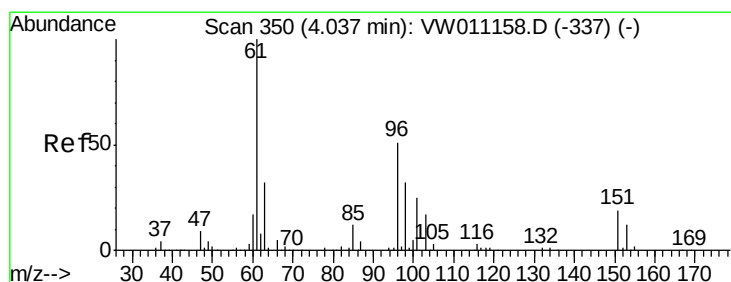
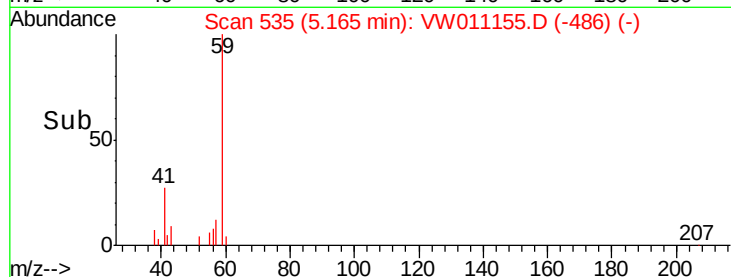
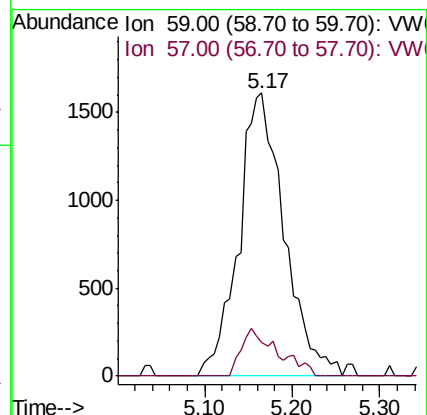
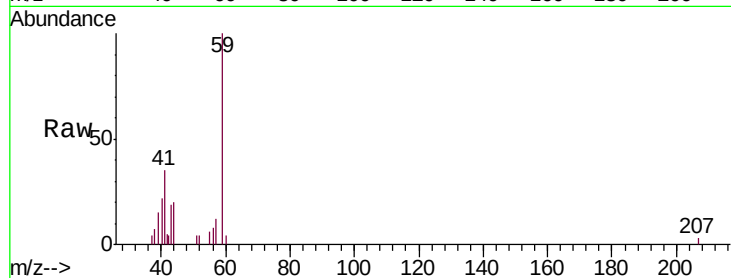


#11

Tert butyl alcohol
 Concen: 24.775 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

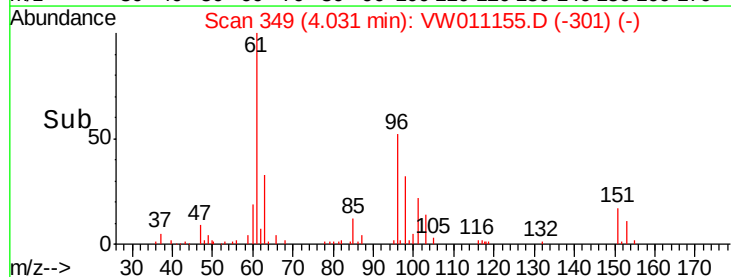
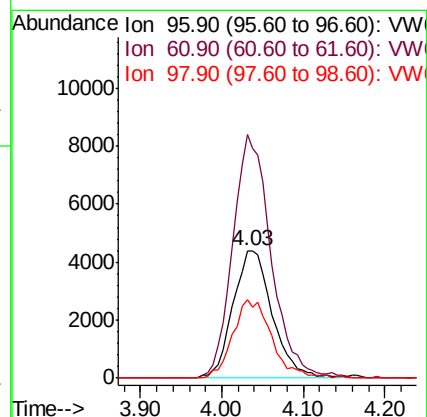
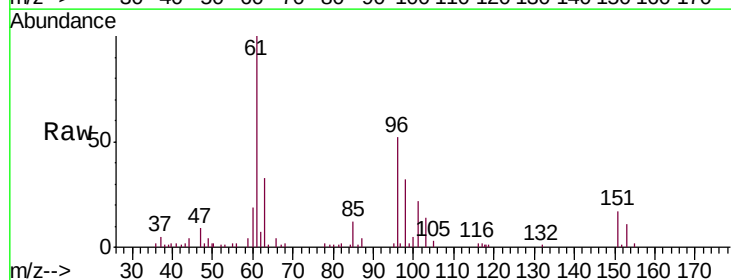
Tgt Ion: 59 Resp: 5823
 Ion Ratio Lower Upper
 59 100
 57 11.0 9.0 13.6

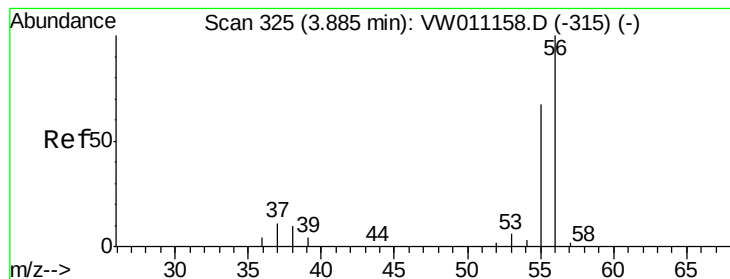


#12

1,1-Dichloroethene
 Concen: 5.222 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion: 96 Resp: 14657
 Ion Ratio Lower Upper
 96 100
 61 191.0 157.7 236.5
 98 62.0 50.9 76.3





#13

Acrolein

Concen: 23.734 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

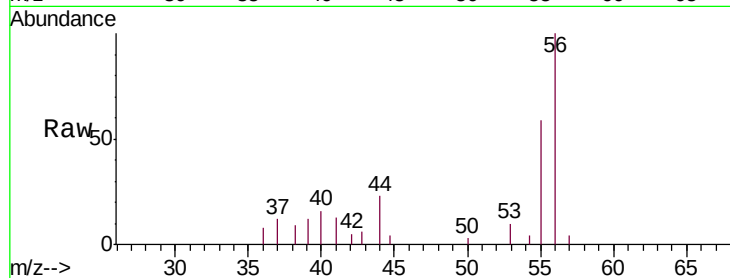
VSTDIC005

Tgt Ion: 56 Resp: 4442

Ion Ratio Lower Upper

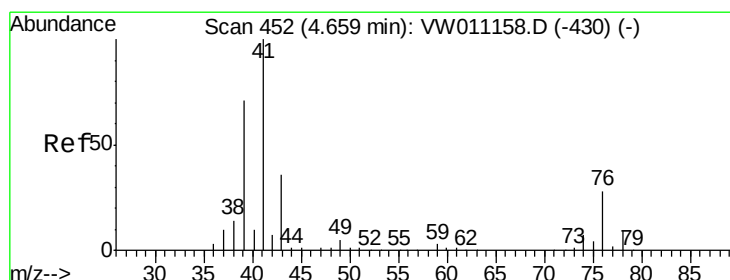
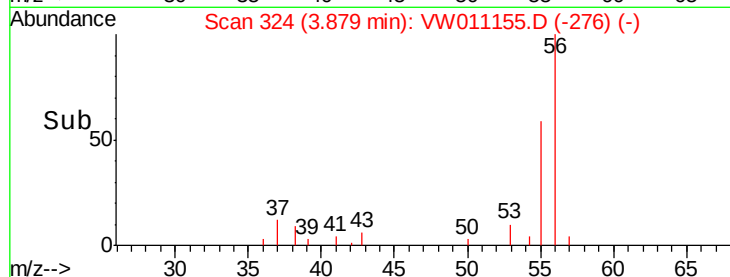
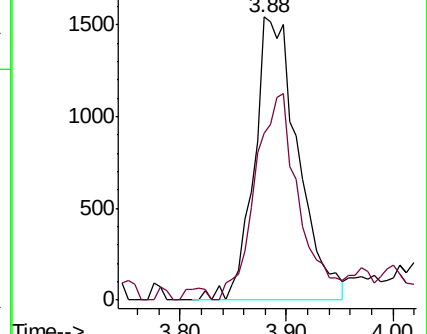
56 100

55 73.1 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 5.281 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

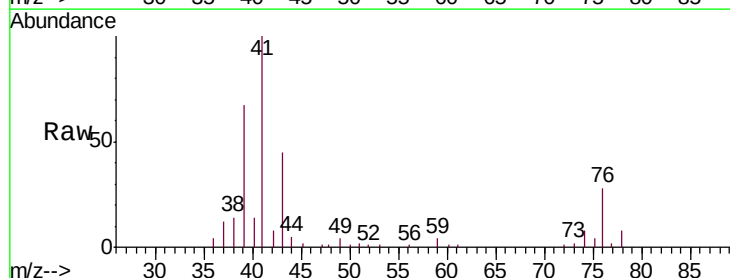
Tgt Ion: 41 Resp: 27030

Ion Ratio Lower Upper

41 100

39 69.5 55.1 82.7

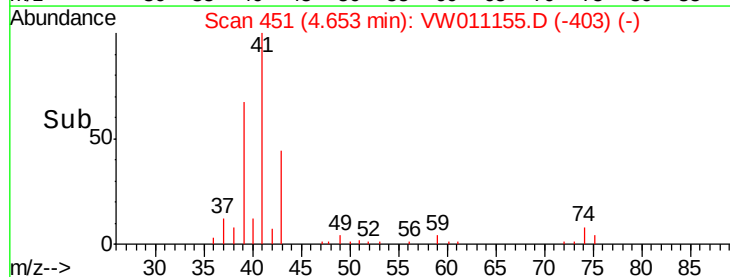
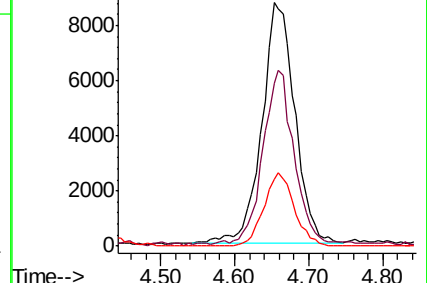
76 28.1 22.5 33.7

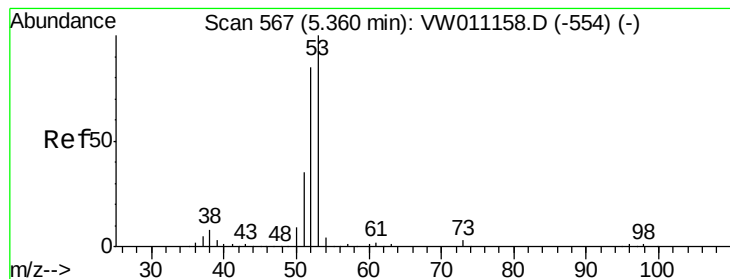


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 23.899 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

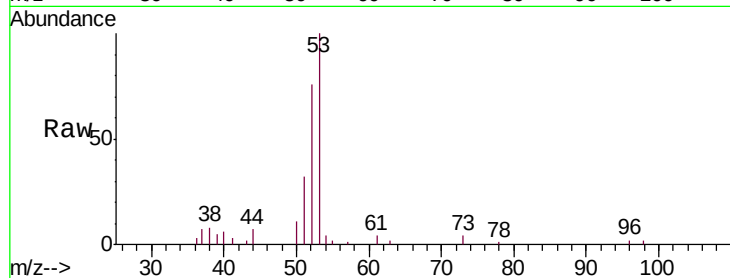
Tgt Ion: 53 Resp: 19012

Ion Ratio Lower Upper

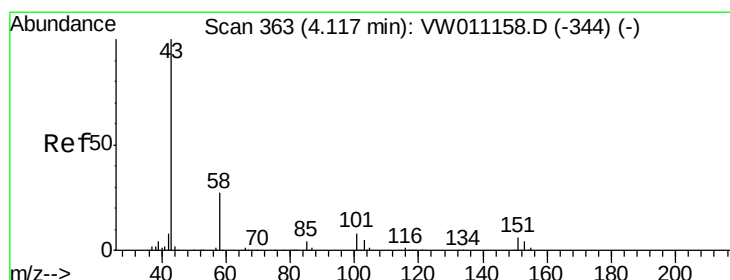
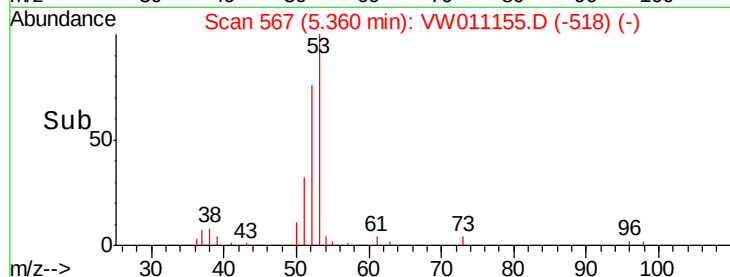
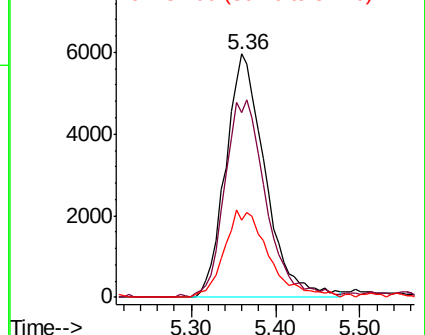
53 100

52 84.5 66.2 99.4

51 40.0 29.1 43.7



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



#16

Acetone

Concen: 26.523 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW011155.D

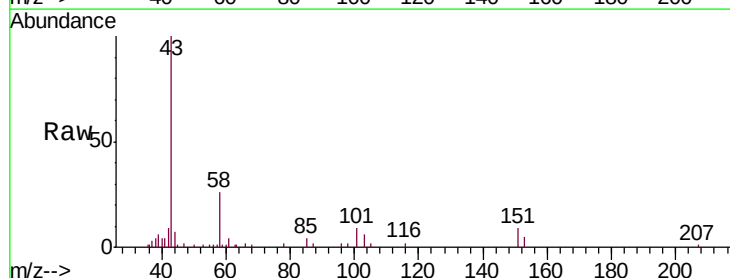
Acq: 08 Jul 2019 10:13

Tgt Ion: 43 Resp: 20259

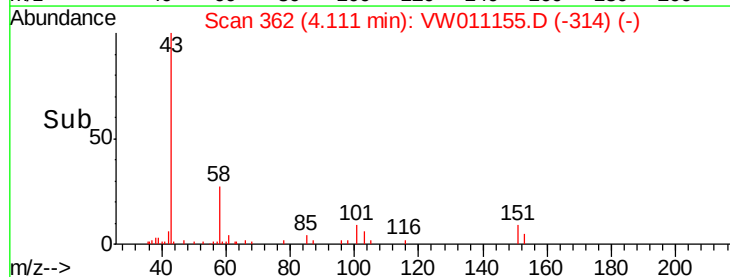
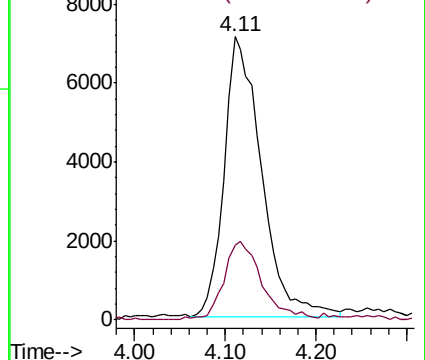
Ion Ratio Lower Upper

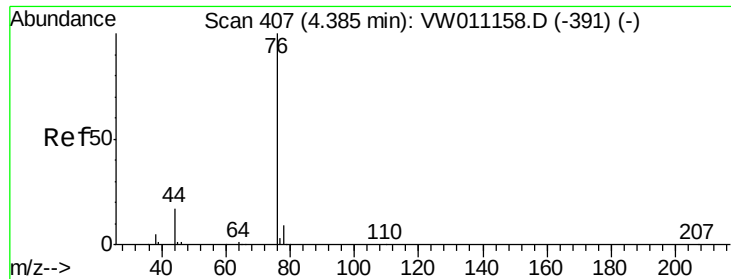
43 100

58 26.0 21.8 32.6



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

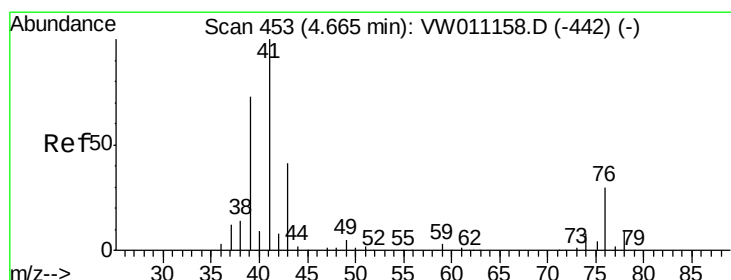
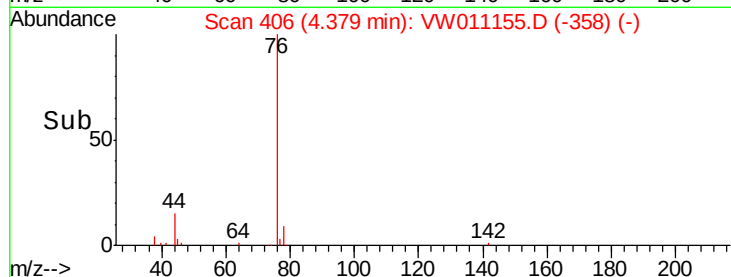
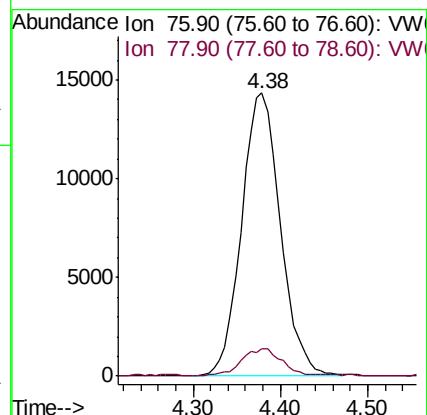
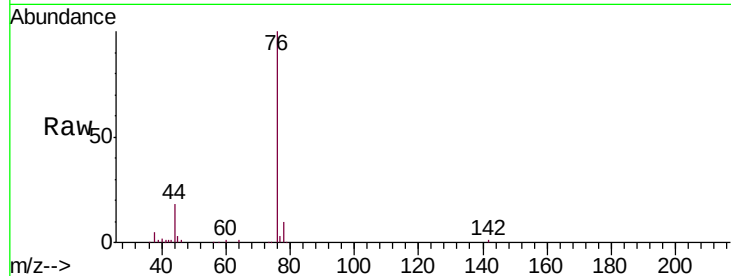




#17
Carbon Disulfide
Concen: 5.206 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

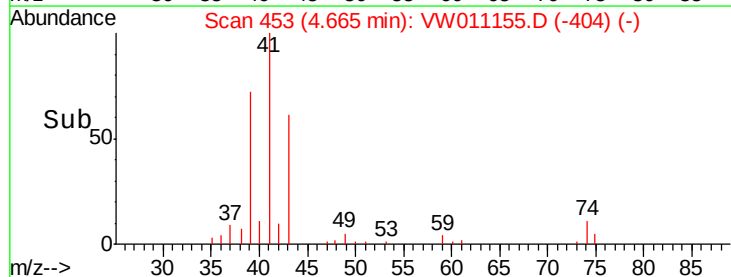
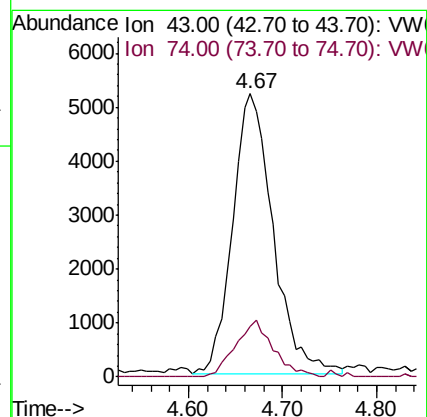
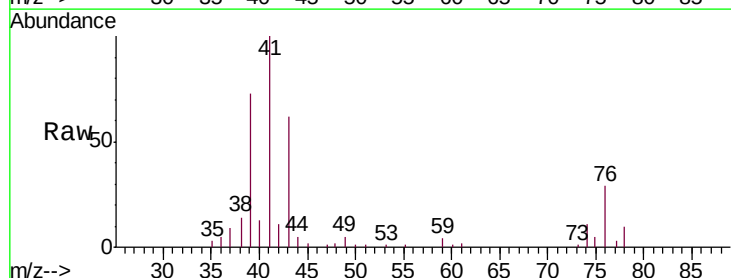
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

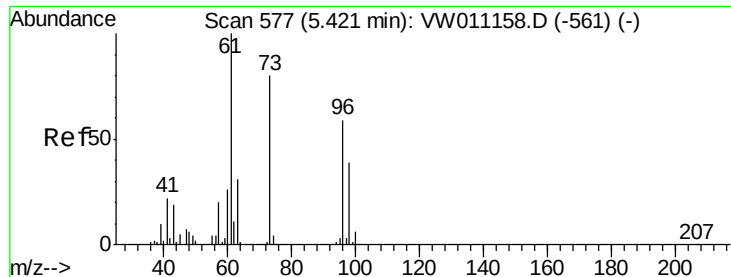
Tgt Ion: 76 Resp: 44300
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7



#18
Methyl Acetate
Concen: 6.501 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion: 43 Resp: 15529
Ion Ratio Lower Upper
43 100
74 19.1 15.7 23.5

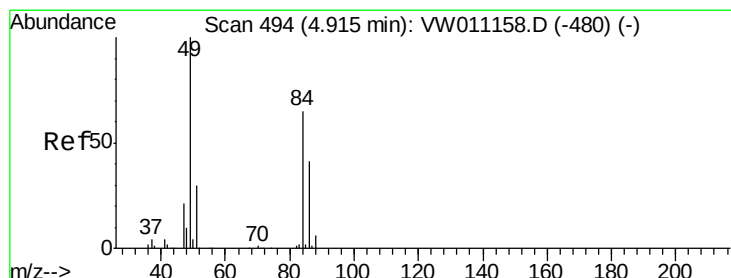
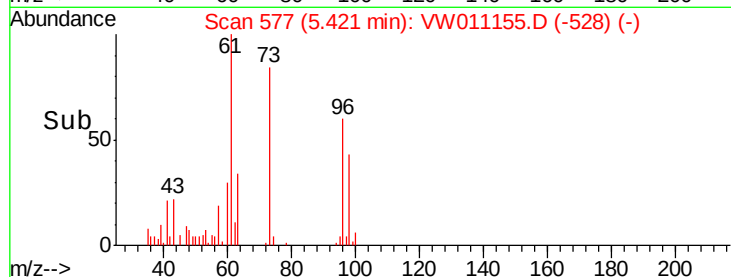
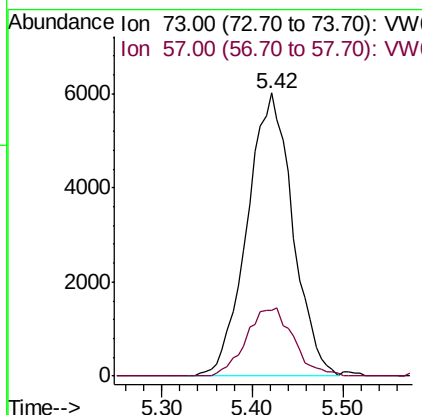
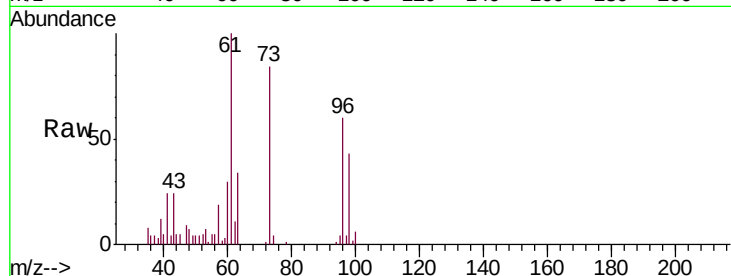




#19
Methyl tert-butyl Ether
Concen: 4.925 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

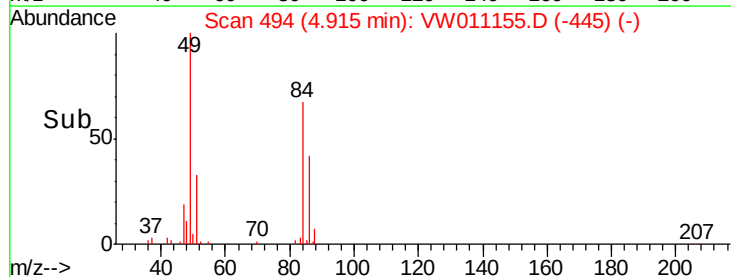
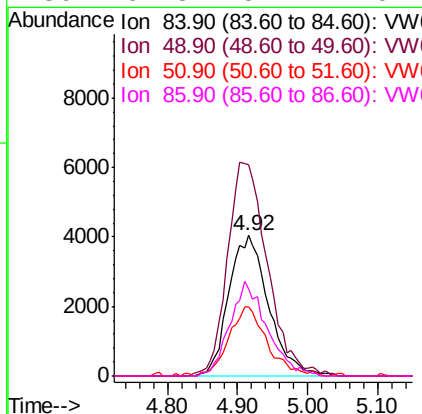
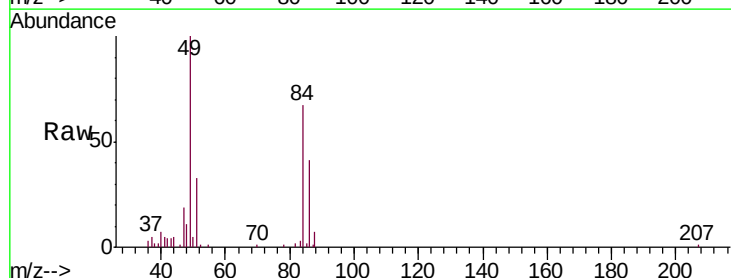
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

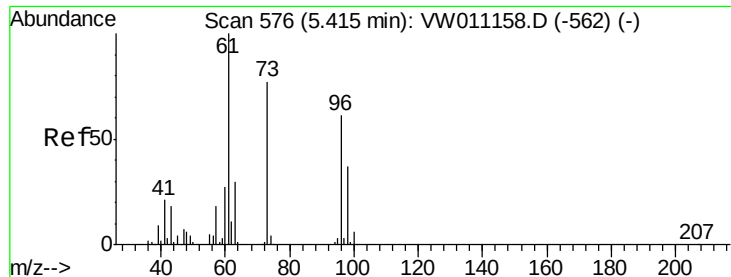
Tgt Ion: 73 Resp: 20973
Ion Ratio Lower Upper
73 100
57 23.2 19.7 29.5



#20
Methylene Chloride
Concen: 5.304 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion: 84 Resp: 15981
Ion Ratio Lower Upper
84 100
49 150.3 123.8 185.6
51 47.5 37.4 56.2
86 61.8 51.1 76.7

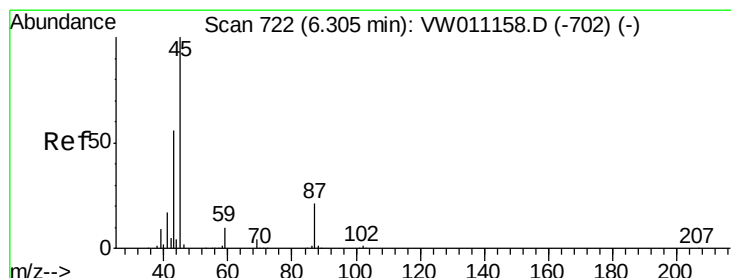
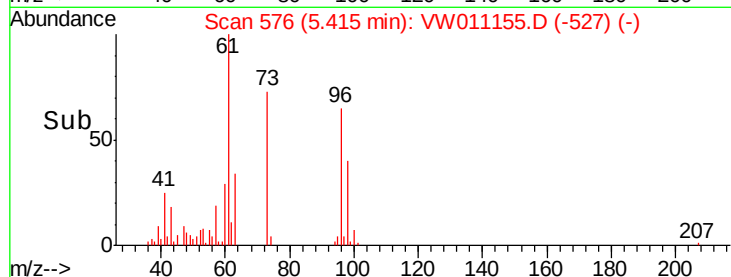
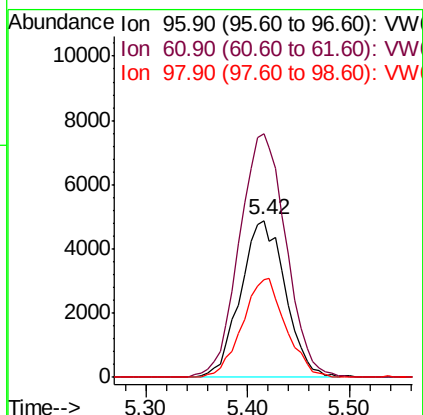
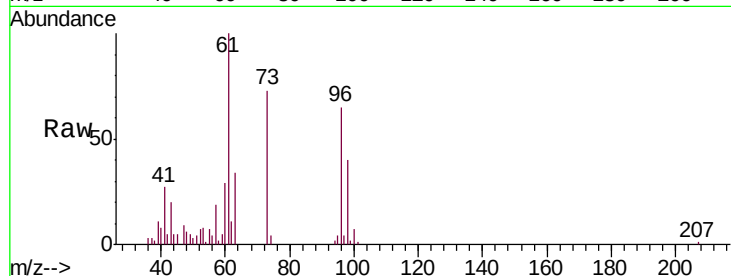




#21
trans-1,2-Dichloroethene
Concen: 5.108 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

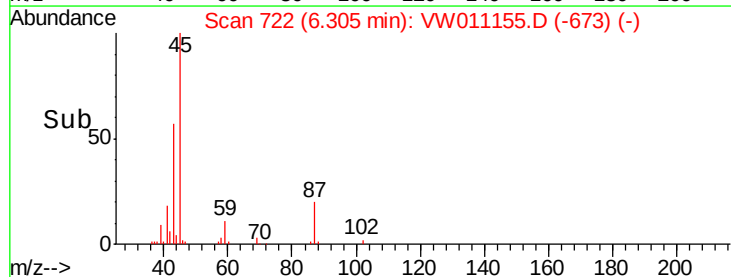
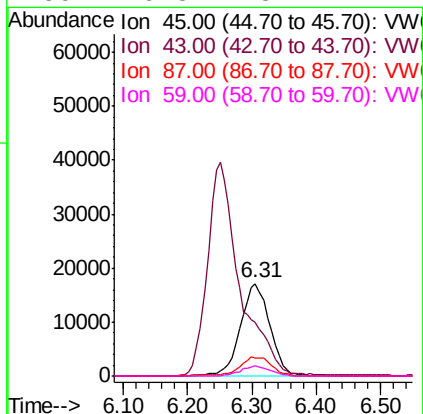
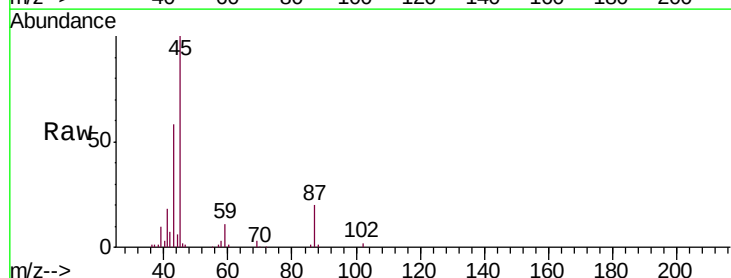
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

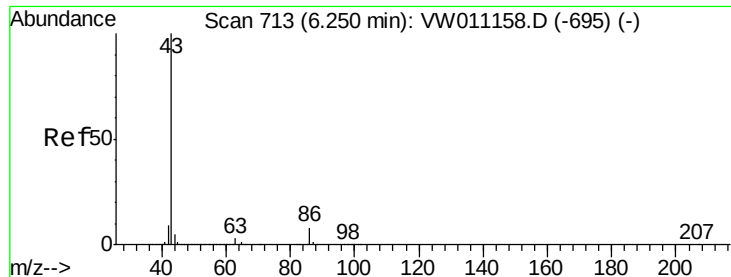
Tgt Ion: 96 Resp: 14896
Ion Ratio Lower Upper
96 100
61 154.9 132.2 198.2
98 61.9 49.4 74.0



#22
Diisopropyl ether
Concen: 4.882 ug/l
RT: 6.31 min Scan# 722
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion: 45 Resp: 53745
Ion Ratio Lower Upper
45 100
43 56.7 44.6 66.8
87 19.9 17.3 25.9
59 10.8 8.2 12.2





#23

Vinyl Acetate

Concen: 20.241 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

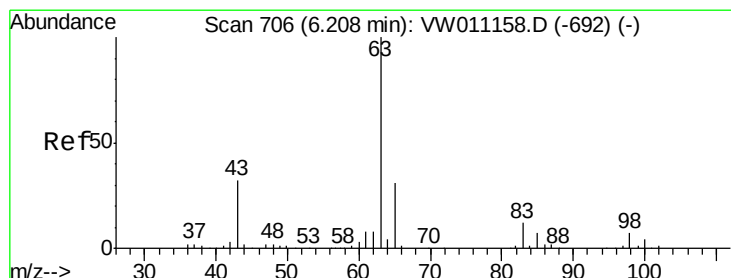
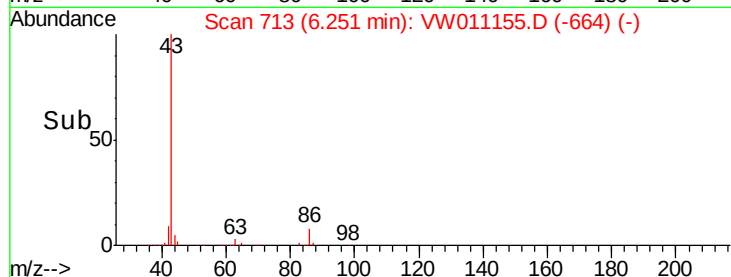
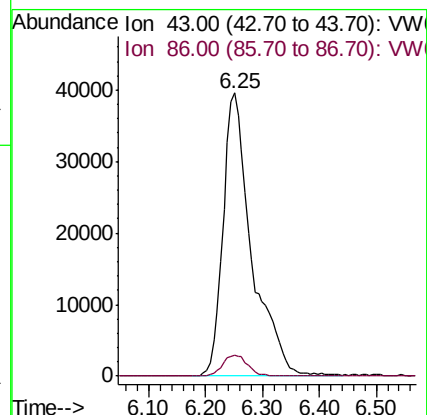
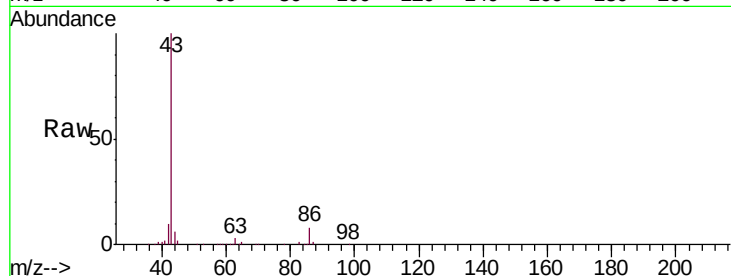
VSTDIC005

Tgt Ion: 43 Resp: 137891

Ion Ratio Lower Upper

43 100

86 7.6 6.5 9.7



#24

1,1-Dichloroethane

Concen: 5.042 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

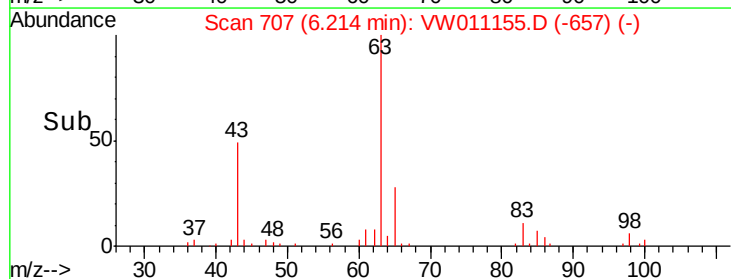
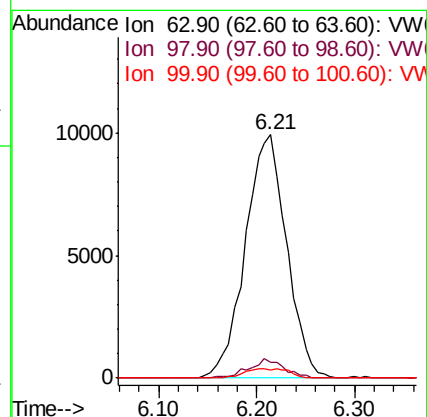
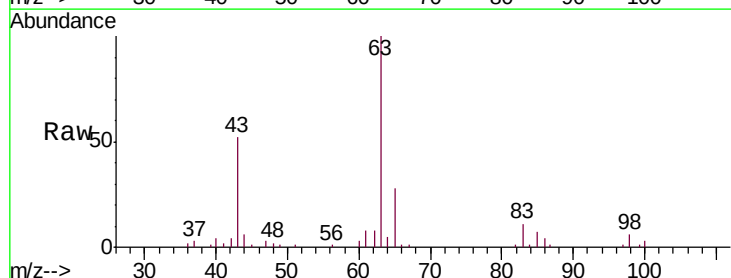
Tgt Ion: 63 Resp: 29145

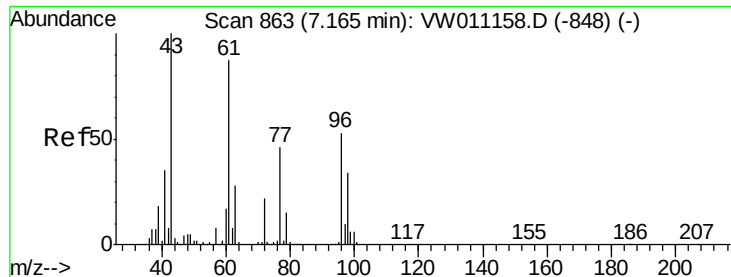
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 3.4 2.1 6.2





#25

2-Butanone

Concen: 23.263 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

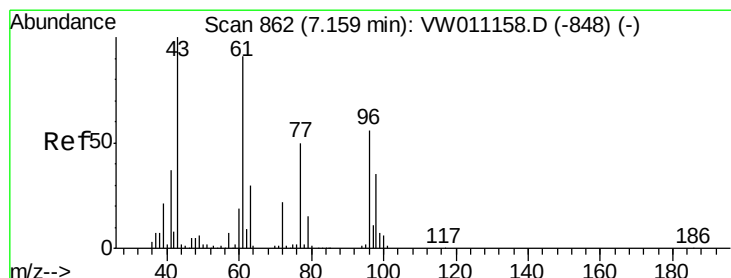
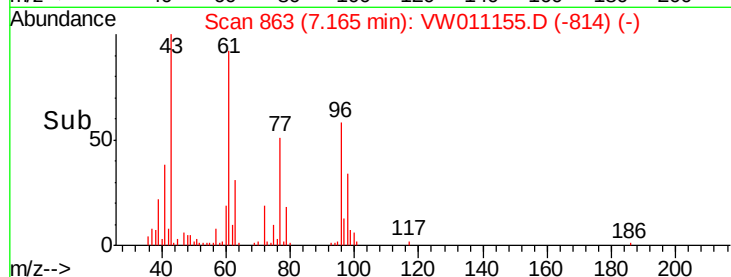
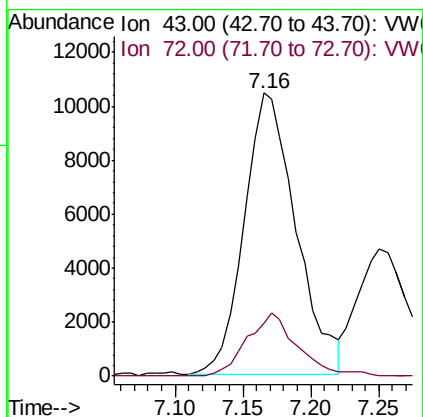
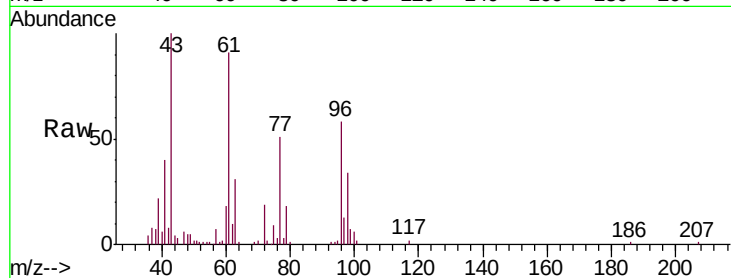
VSTDIC005

Tgt Ion: 43 Resp: 27893

Ion Ratio Lower Upper

43 100

72 19.0 17.6 26.4



#26

2,2-Dichloropropane

Concen: 5.434 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011155.D

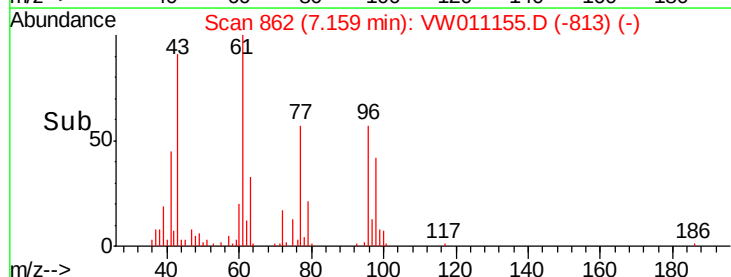
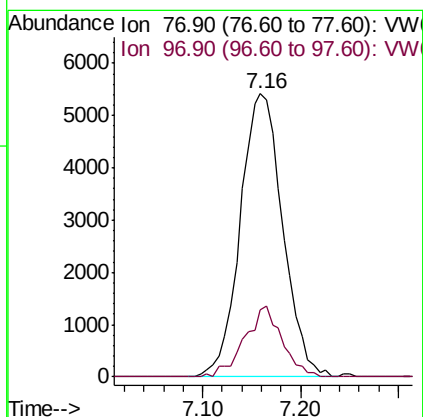
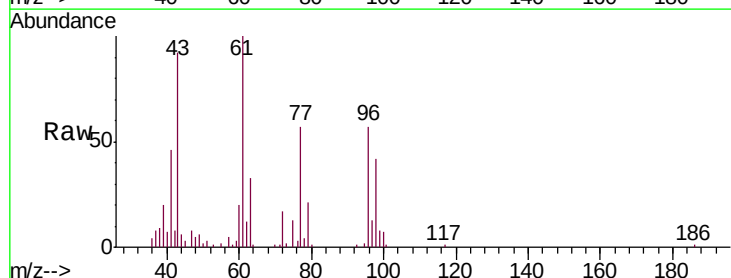
Acq: 08 Jul 2019 10:13

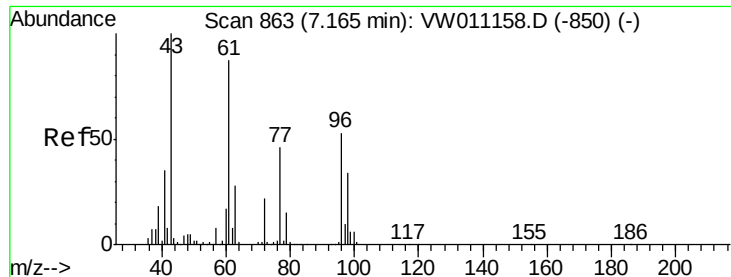
Tgt Ion: 77 Resp: 16327

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.5



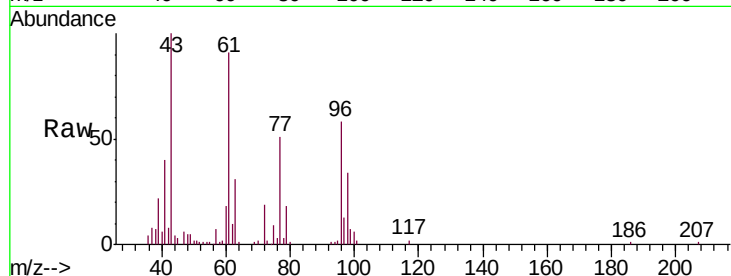


#27

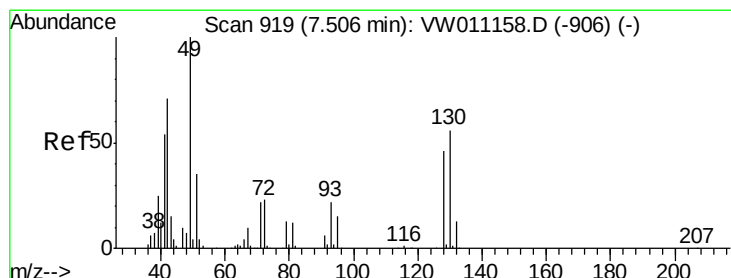
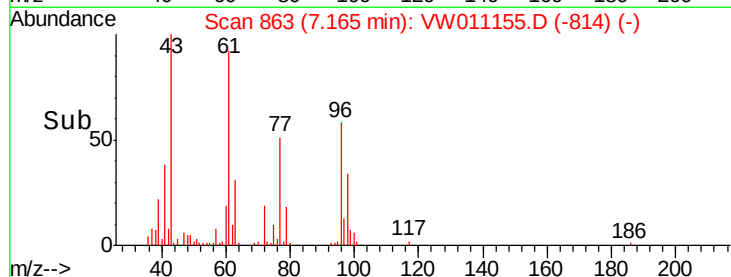
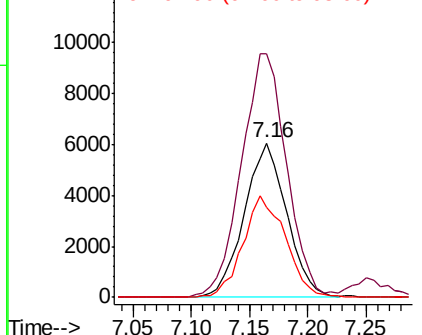
cis-1,2-Dichloroethene
 Concen: 4.888 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 96 Resp: 15377
 Ion Ratio Lower Upper
 96 100
 61 168.4 0.0 325.6
 98 66.3 0.0 128.2



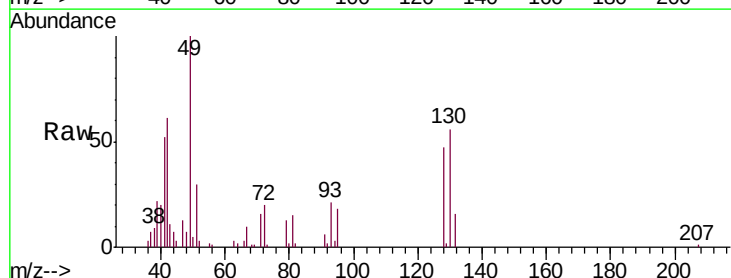
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



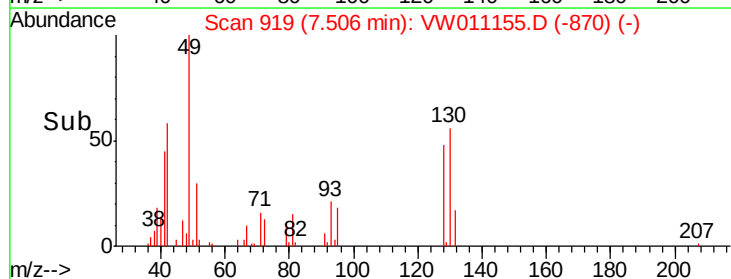
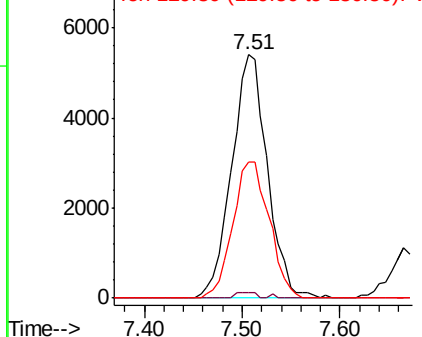
#28

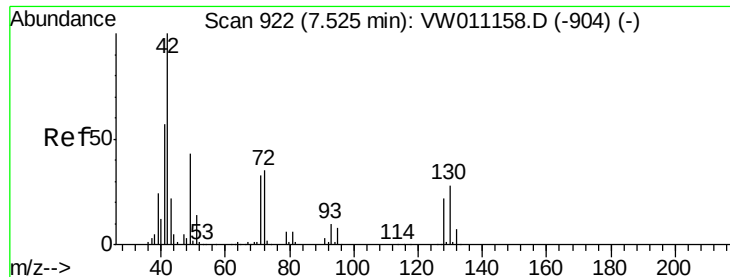
Bromochloromethane
 Concen: 5.190 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion: 49 Resp: 13641
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 1.4
 130 57.0 45.8 68.8



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

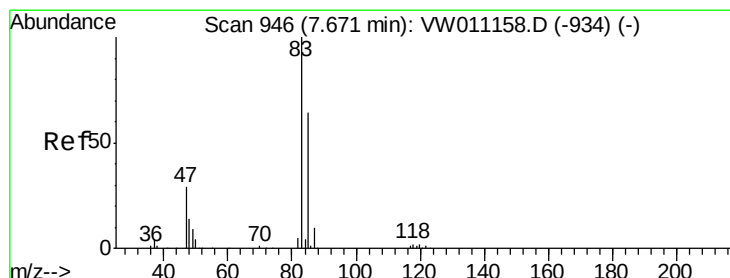
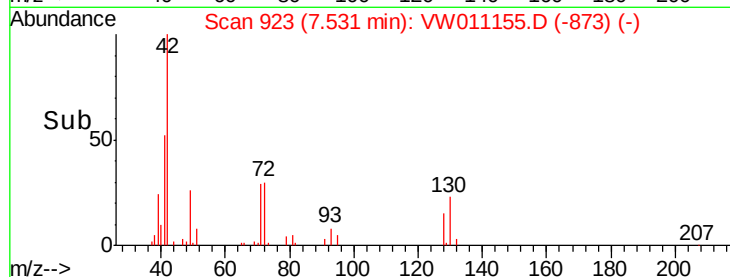
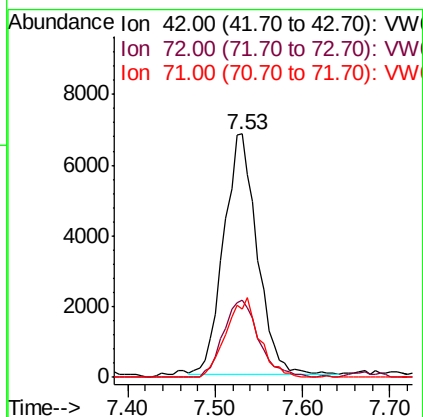
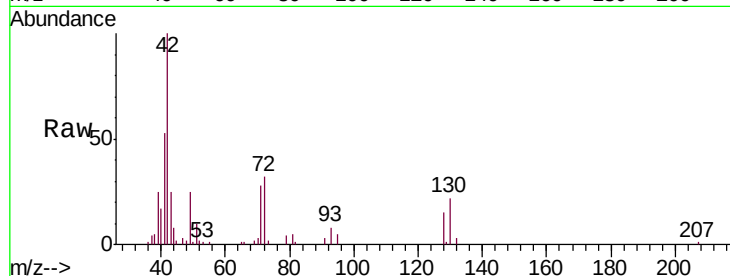




#29
Tetrahydrofuran
Concen: 22.860 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

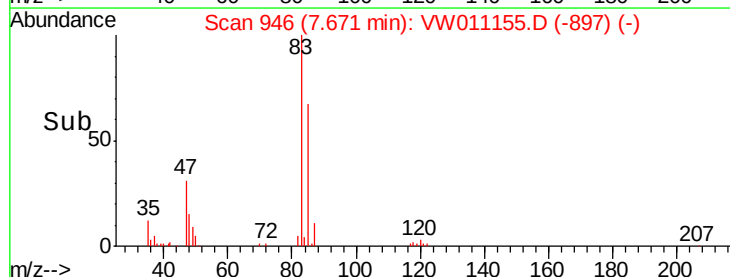
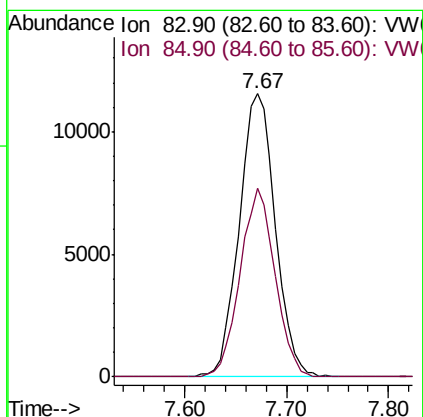
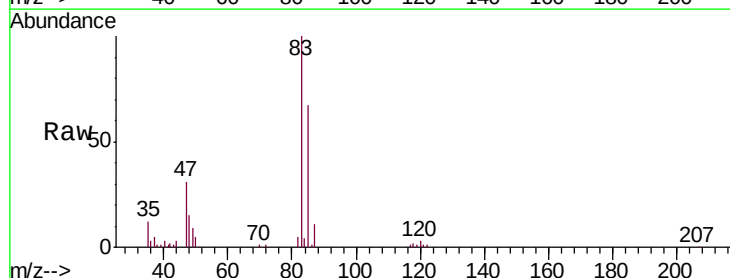
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

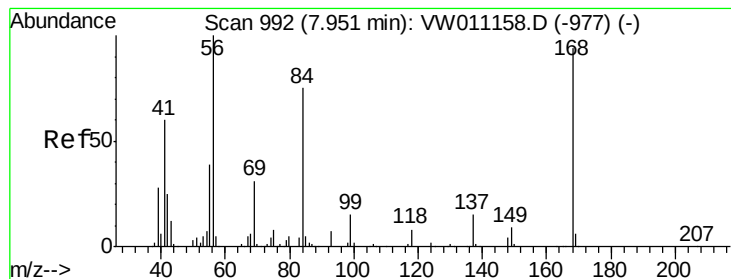
Tgt Ion: 42 Resp: 17973
Ion Ratio Lower Upper
42 100
72 34.3 27.4 41.2
71 32.6 25.9 38.9



#30
Chloroform
Concen: 5.300 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion: 83 Resp: 28370
Ion Ratio Lower Upper
83 100
85 66.9 51.4 77.2





#31

Cyclohexane

Concen: 5.810 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

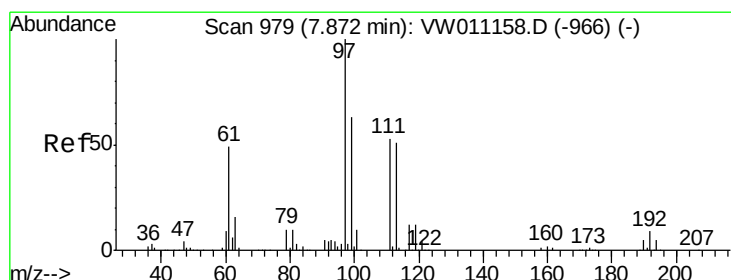
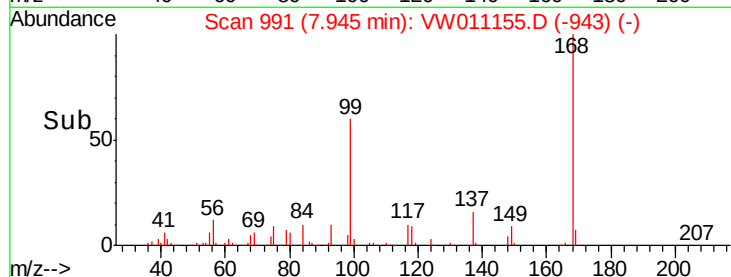
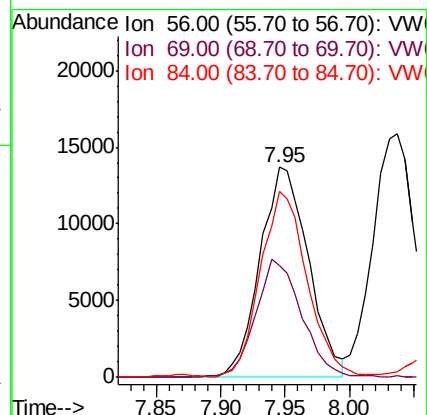
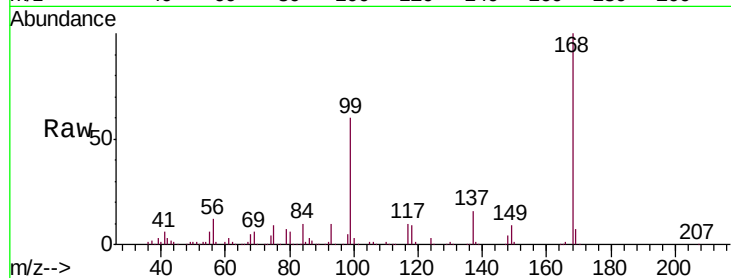
Tgt Ion: 56 Resp: 35731

Ion Ratio Lower Upper

56 100

69 53.0 24.6 36.8#

84 88.2 60.1 90.1



#32

1,1,1-Trichloroethane

Concen: 5.255 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

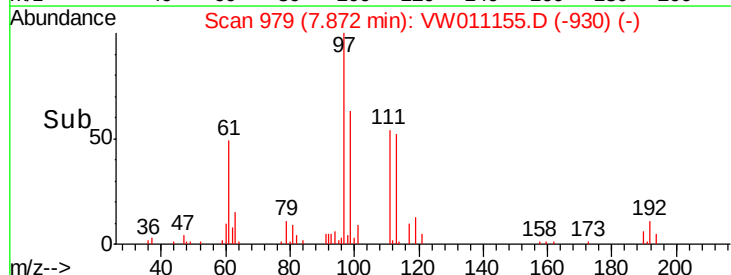
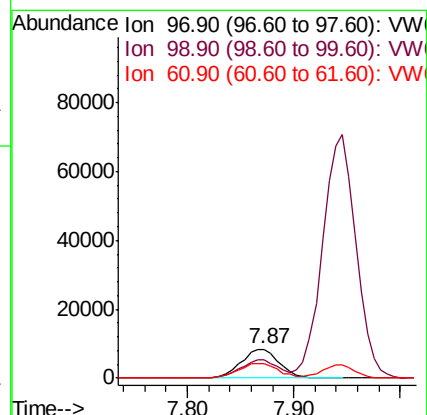
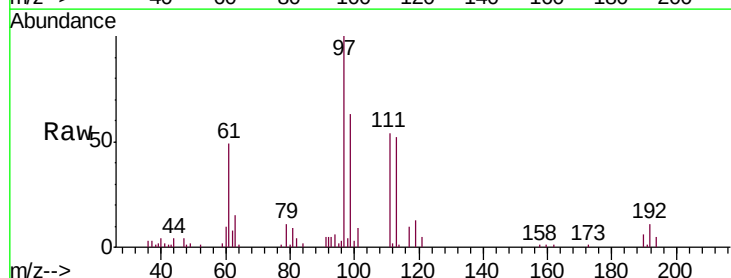
Tgt Ion: 97 Resp: 21398

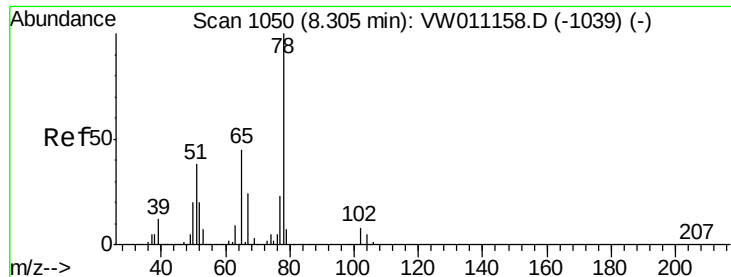
Ion Ratio Lower Upper

97 100

99 62.7 51.0 76.4

61 52.7 40.4 60.6





#33

1,2-Dichloroethane-d4

Concen: 5.234 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

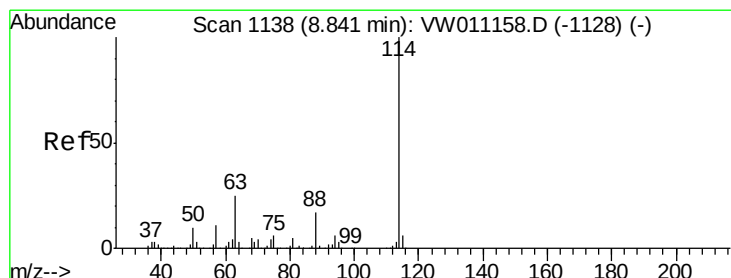
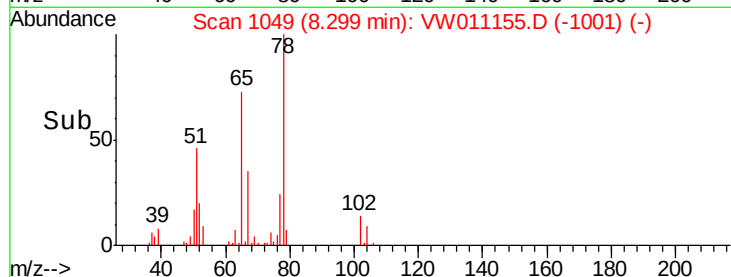
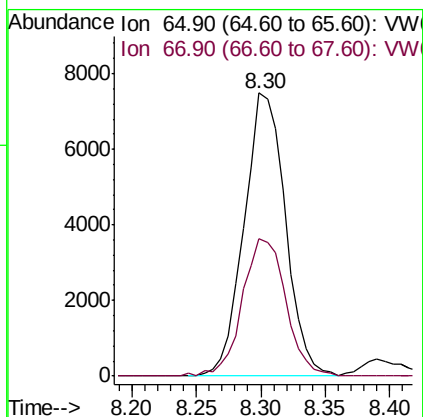
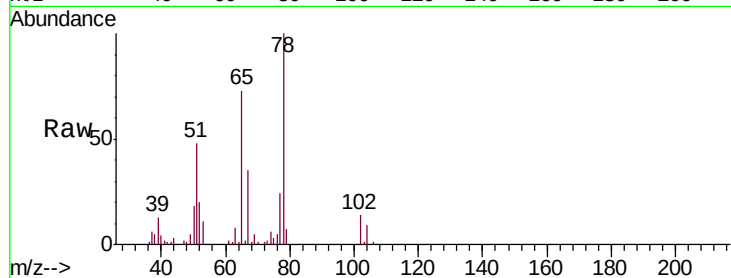
VSTDIC005

Tgt Ion: 65 Resp: 16615

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

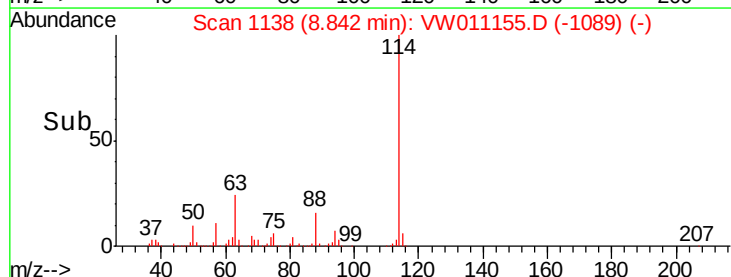
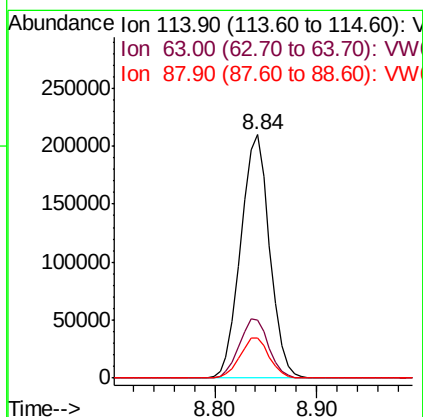
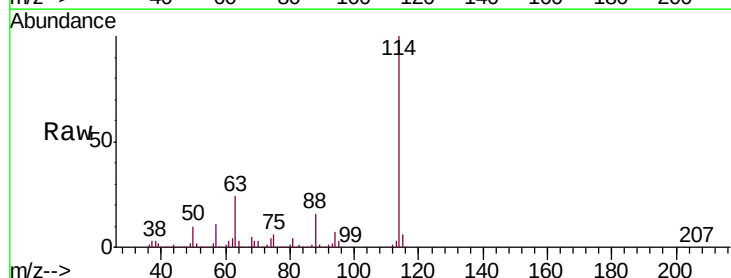
Tgt Ion: 114 Resp: 412895

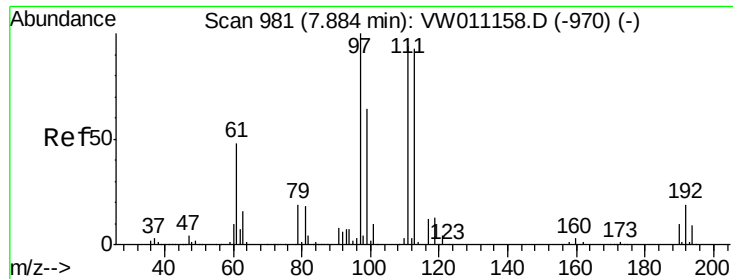
Ion Ratio Lower Upper

114 100

63 24.0 0.0 50.8

88 16.5 0.0 34.2

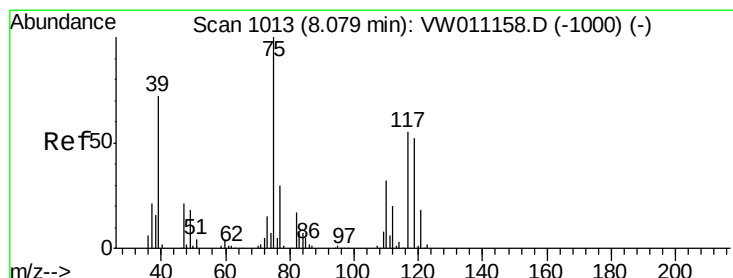
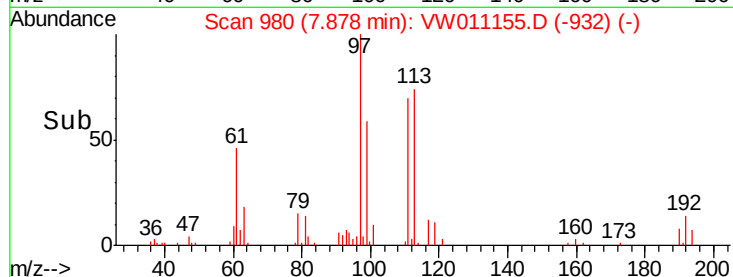
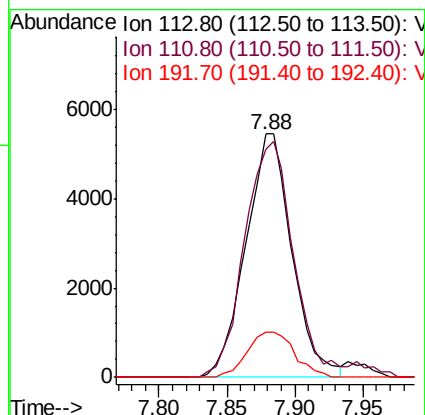
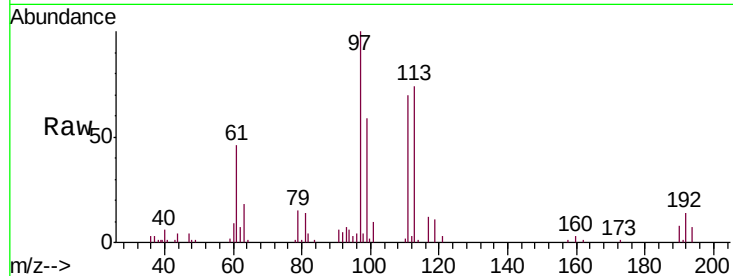




#35
Dibromofluoromethane
Concen: 5.263 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

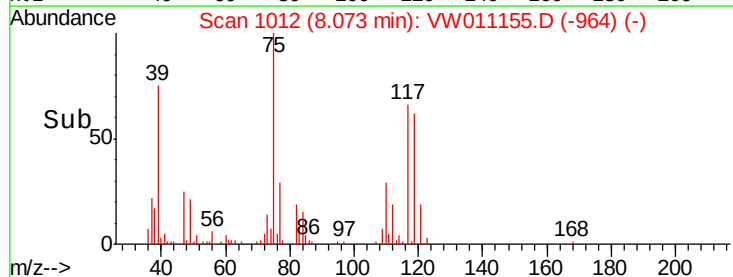
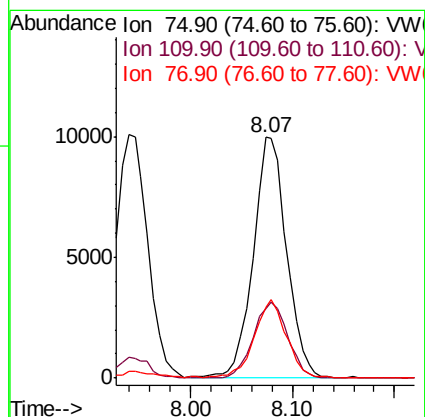
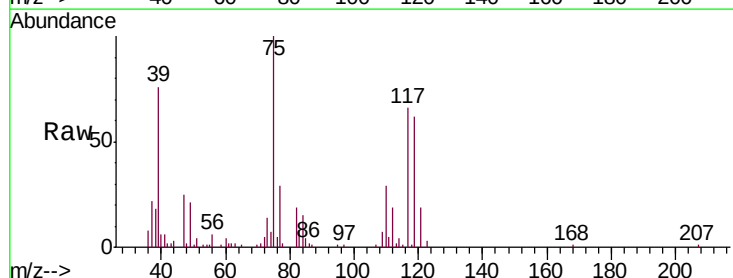
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

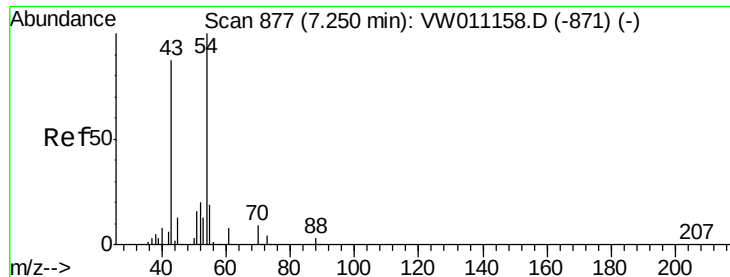
Tgt Ion:113 Resp: 12952
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 19.1 15.8 23.8



#36
1,1-Dichloropropene
Concen: 5.195 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion: 75 Resp: 22840
Ion Ratio Lower Upper
75 100
110 32.0 15.9 47.6
77 31.5 24.6 36.8

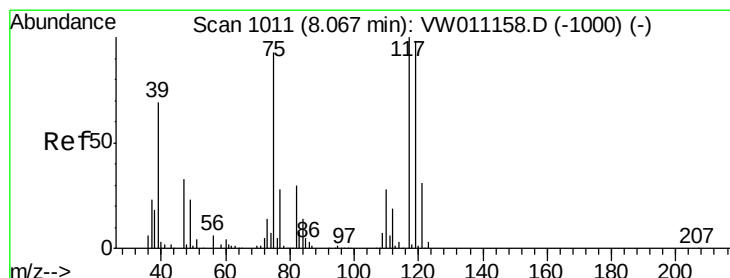
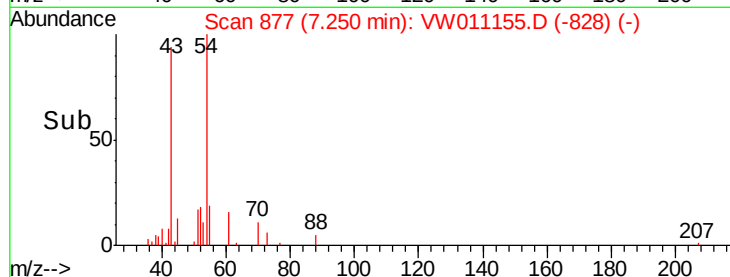
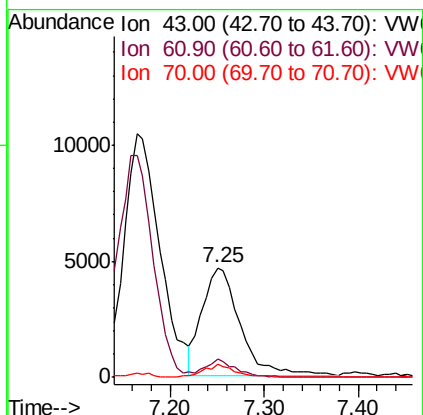
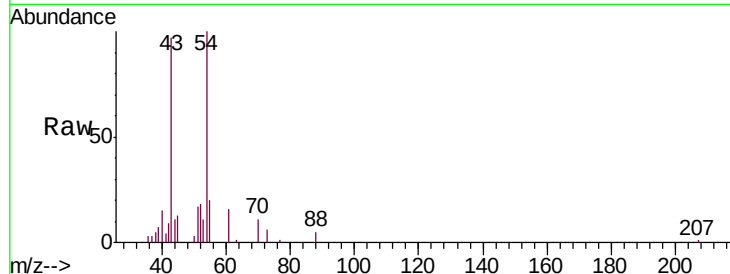




#37
Ethyl Acetate
Concen: 4.877 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

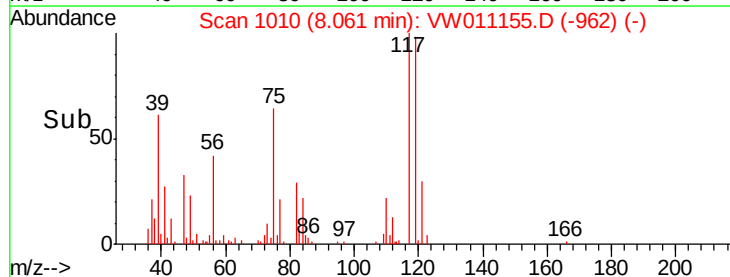
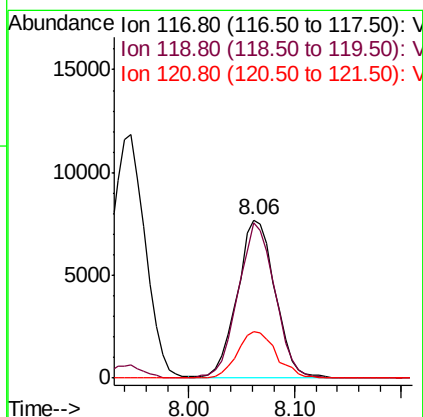
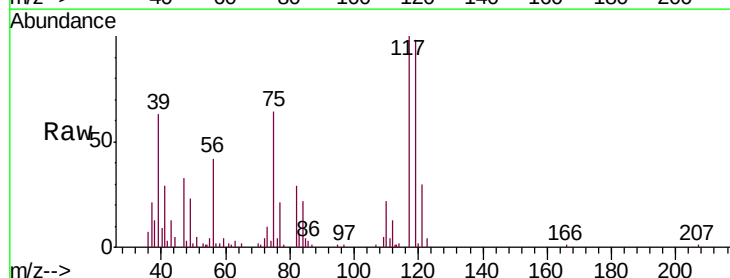
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

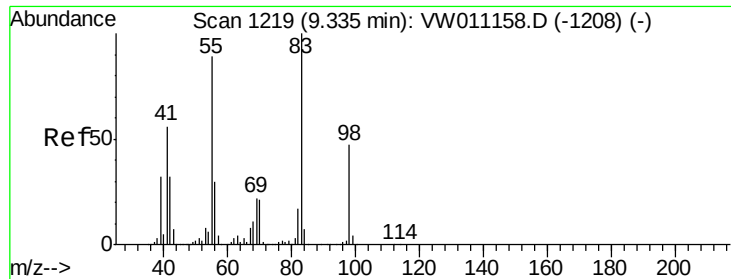
Tgt Ion: 43 Resp: 12884
Ion Ratio Lower Upper
43 100
61 12.8 9.5 14.3
70 9.8 7.1 10.7



#38
Carbon Tetrachloride
Concen: 5.173 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion: 117 Resp: 19282
Ion Ratio Lower Upper
117 100
119 98.0 78.1 117.1
121 29.5 25.1 37.7

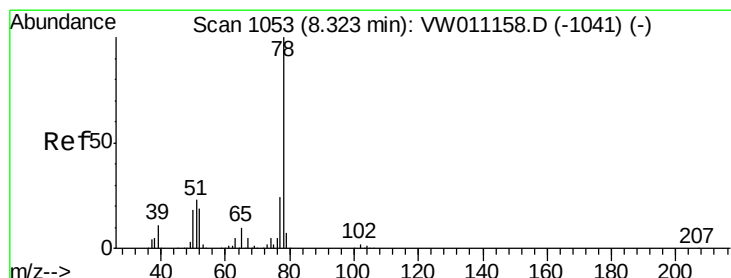
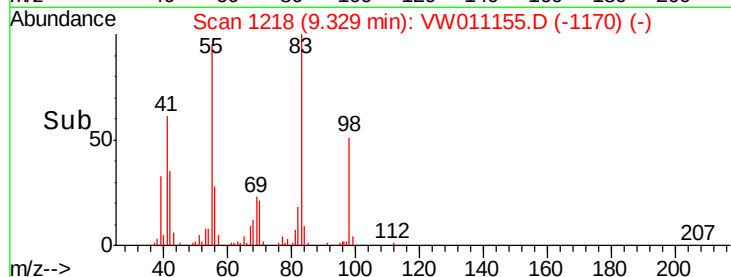
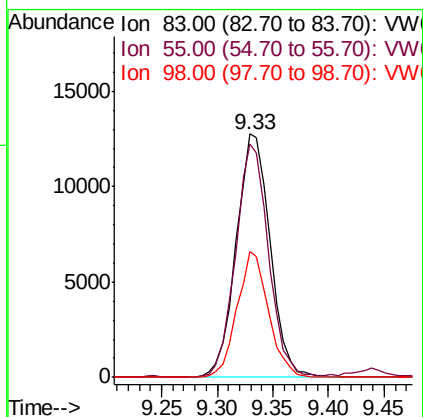
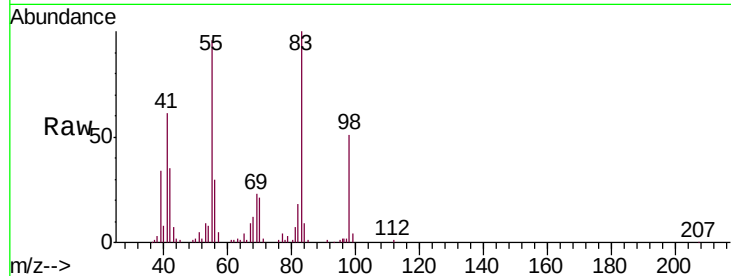




#39
Methylcyclohexane
Concen: 5.053 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

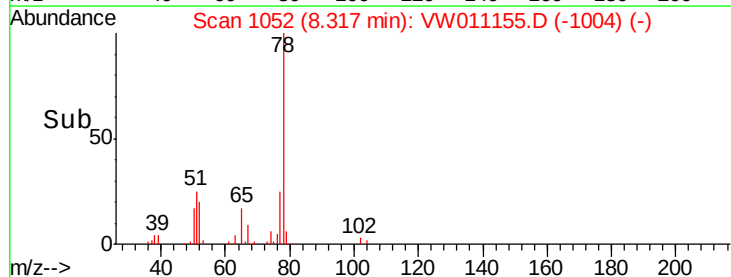
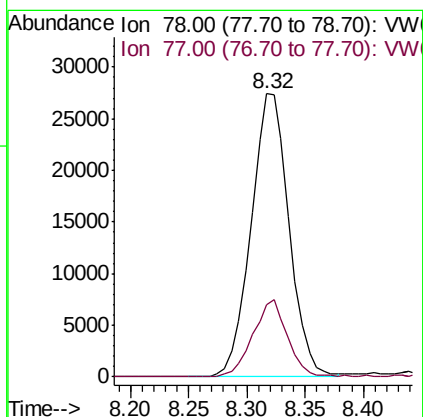
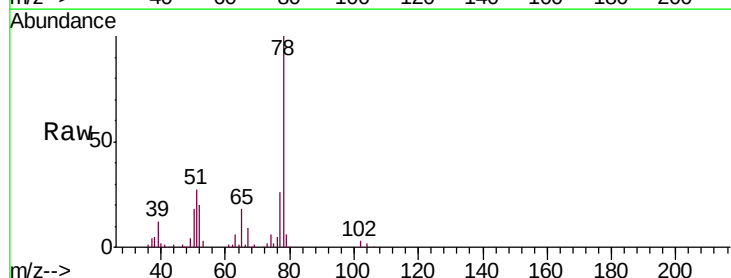
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

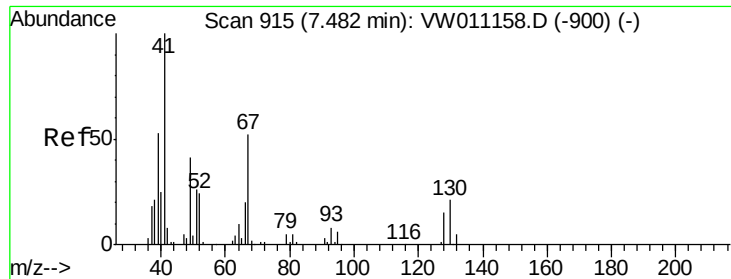
Tgt Ion: 83 Resp: 26931
Ion Ratio Lower Upper
83 100
55 95.7 71.2 106.8
98 51.4 37.5 56.3



#40
Benzene
Concen: 5.125 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion: 78 Resp: 62276
Ion Ratio Lower Upper
78 100
77 25.6 19.0 28.6

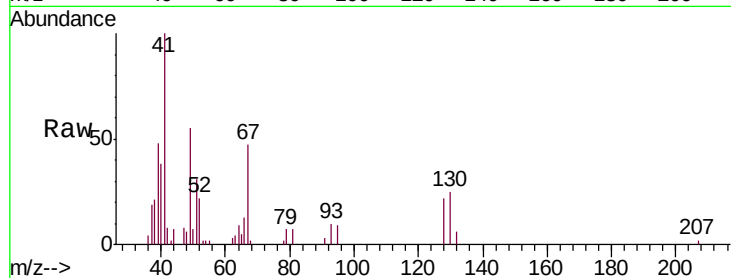




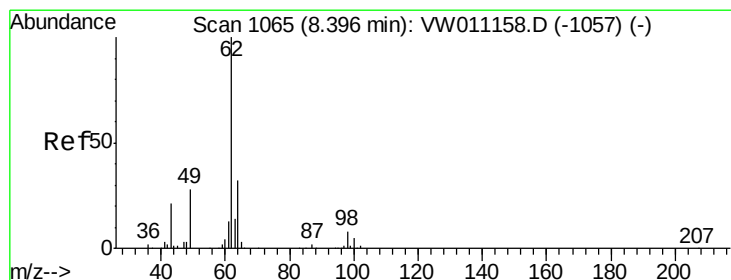
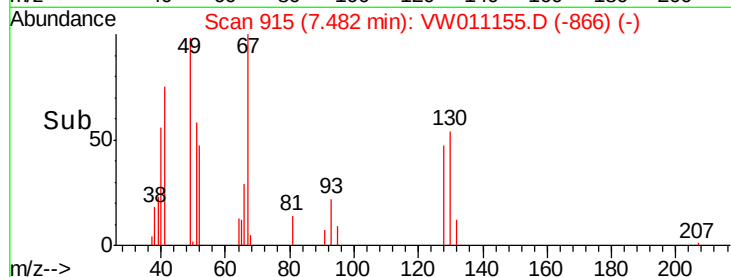
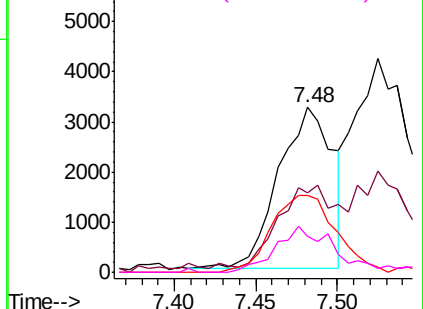
#41
Methacrylonitrile
Concen: 4.906 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion:	41	Resp:	7413
Ion	Ratio	Lower	Upper
41	100		
39	56.2	48.0	72.0
67	56.8	49.7	74.5
52	31.9	23.4	35.0

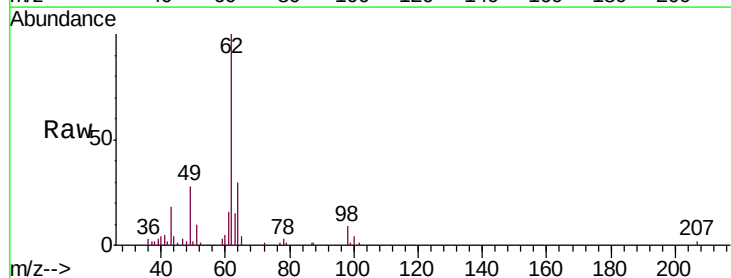


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

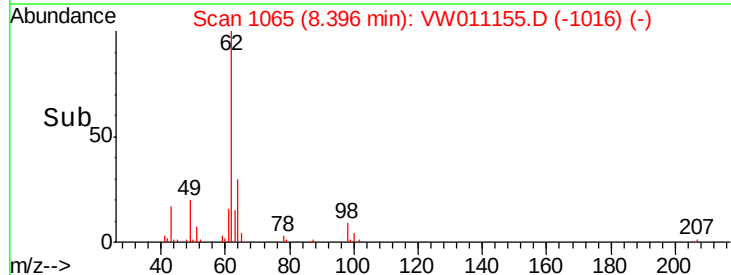
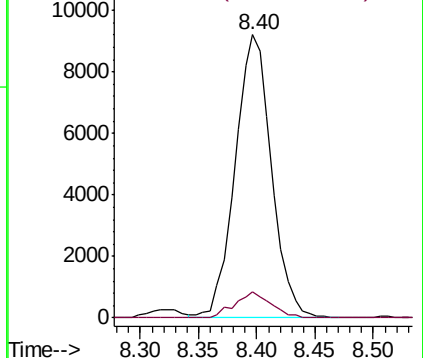


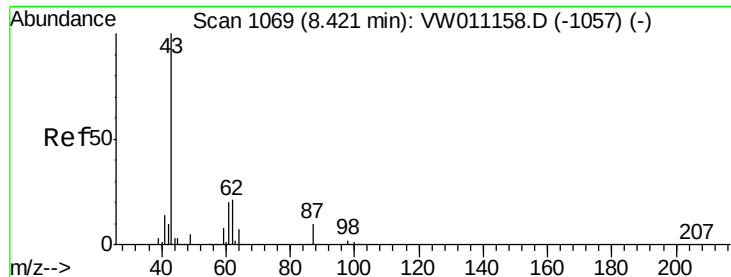
#42
1,2-Dichloroethane
Concen: 5.072 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion:	62	Resp:	19992
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.8



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





#43

Isopropyl Acetate

Concen: 4.553 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

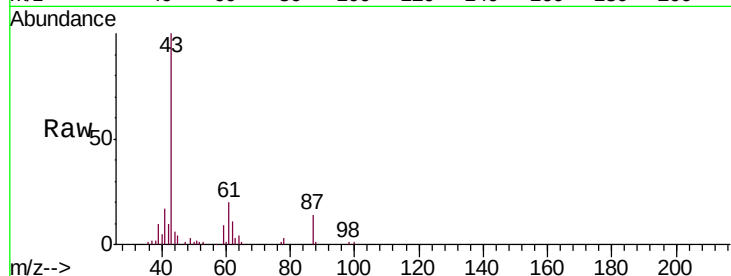
Tgt Ion: 43 Resp: 22707

Ion Ratio Lower Upper

43 100

61 28.4 20.7 31.1

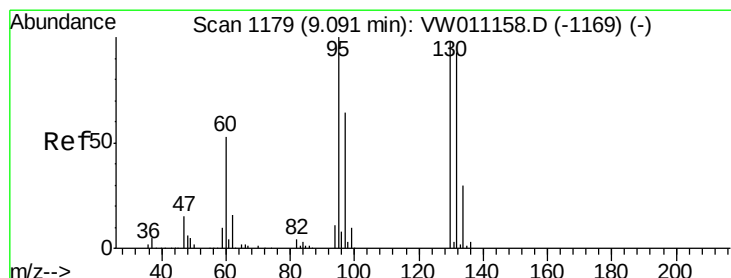
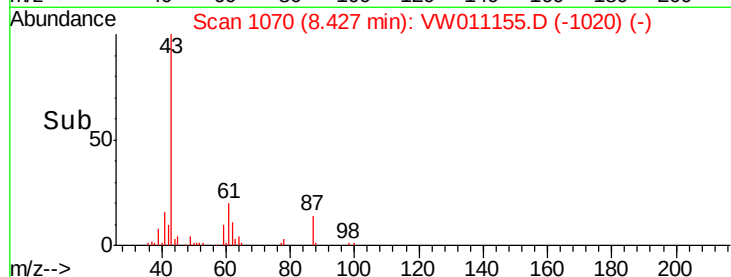
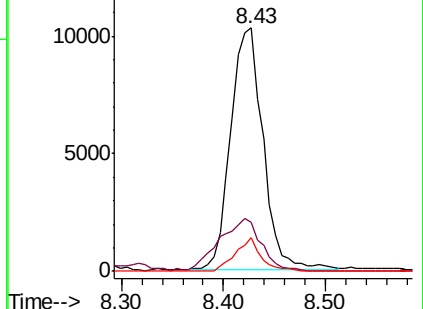
87 10.8 8.1 12.1



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: 5.107 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011155.D

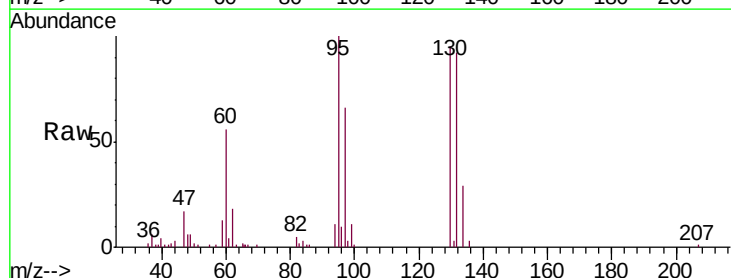
Acq: 08 Jul 2019 10:13

Tgt Ion: 130 Resp: 14933

Ion Ratio Lower Upper

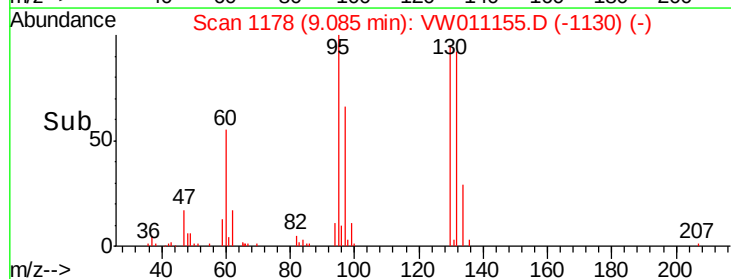
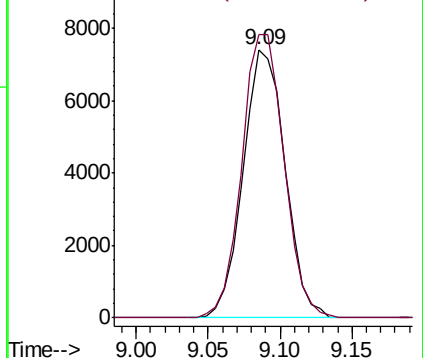
130 100

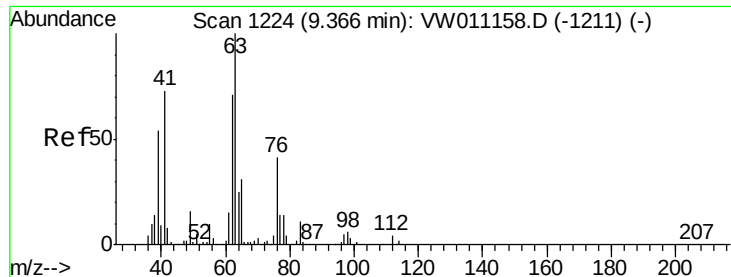
95 105.4 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 5.085 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

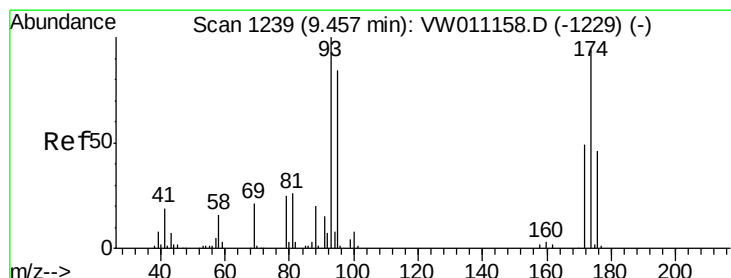
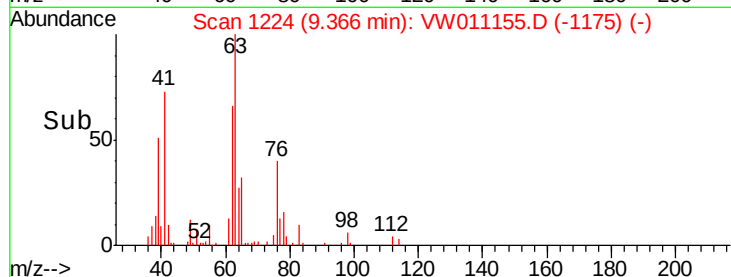
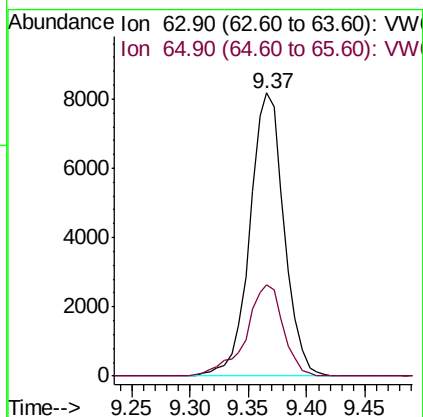
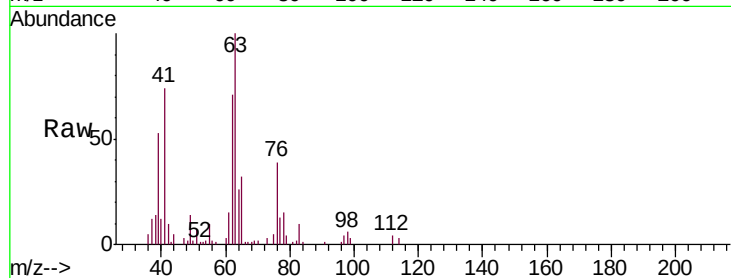
VSTDIC005

Tgt Ion: 63 Resp: 16733

Ion Ratio Lower Upper

63 100

65 32.2 24.4 36.6



#46

Dibromomethane

Concen: 4.890 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

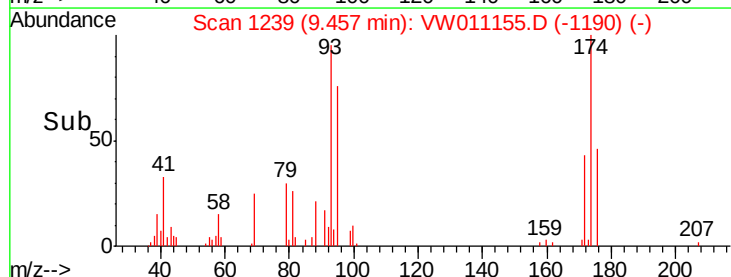
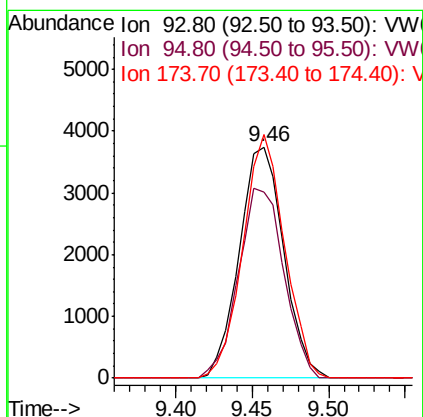
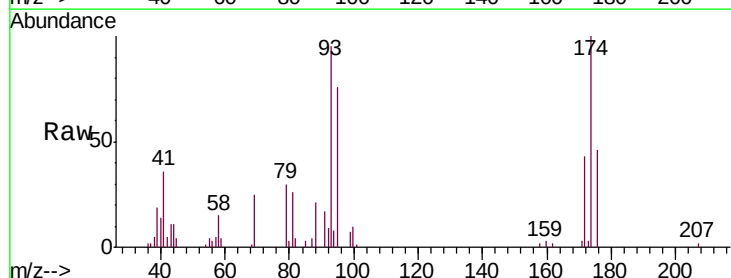
Tgt Ion: 93 Resp: 7558

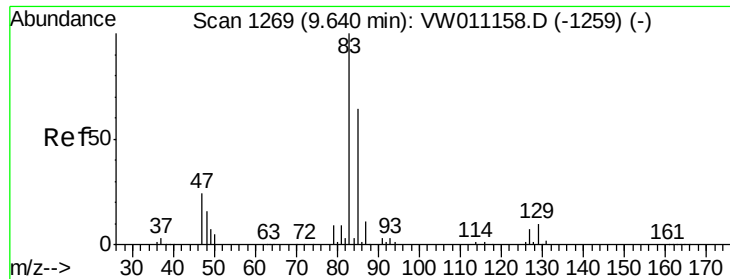
Ion Ratio Lower Upper

93 100

95 83.9 67.2 100.8

174 98.9 76.3 114.5

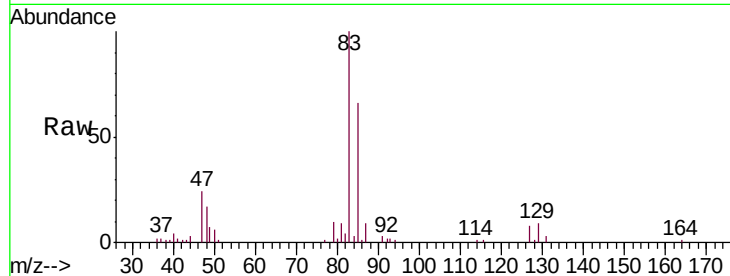




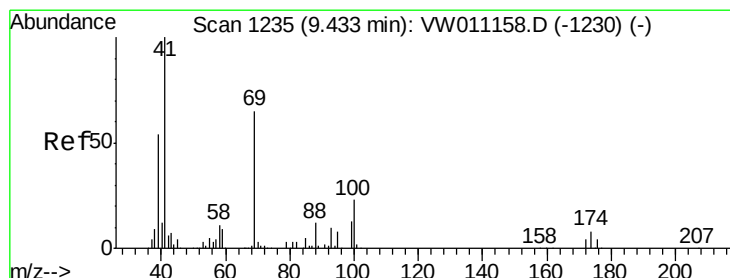
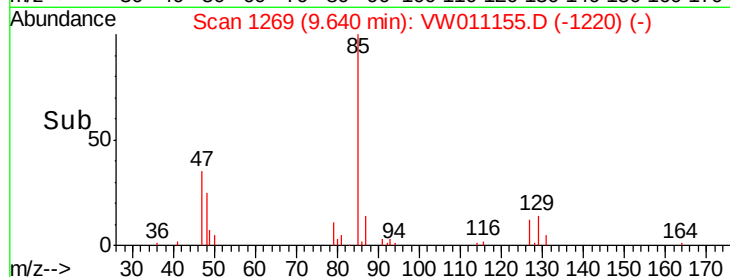
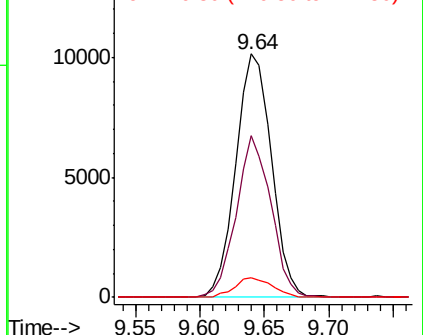
#47
 Bromodichloromethane
 Concen: 4.923 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 83 Resp: 19472
 Ion Ratio Lower Upper
 83 100
 85 66.3 51.0 76.4
 127 8.2 6.0 9.0

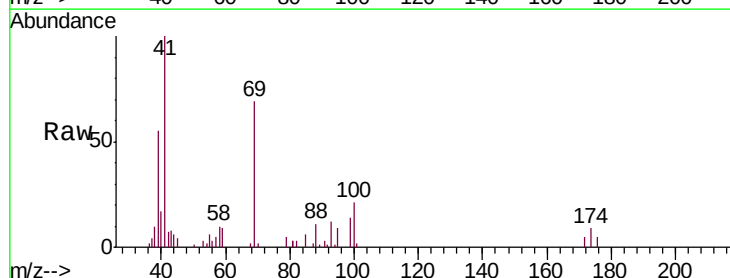


Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): V

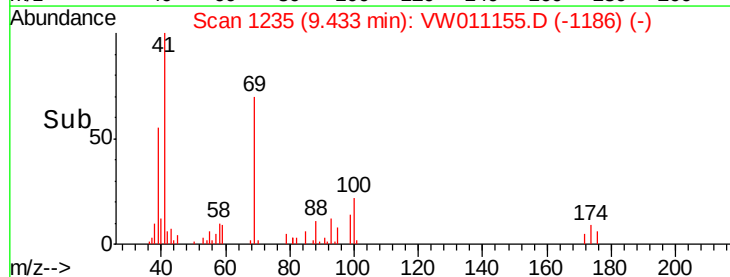
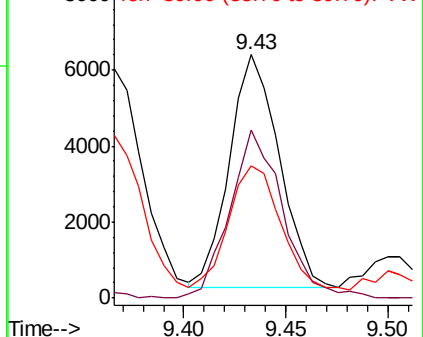


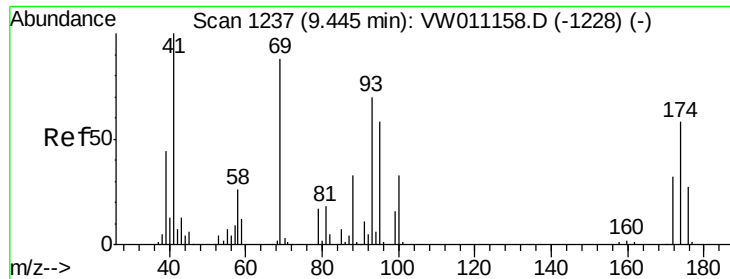
#48
 Methyl methacrylate
 Concen: 4.327 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion: 41 Resp: 10382
 Ion Ratio Lower Upper
 41 100
 69 76.7 56.0 84.0
 39 56.7 43.5 65.3



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





#49

1,4-Dioxane

Concen: 96.391 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

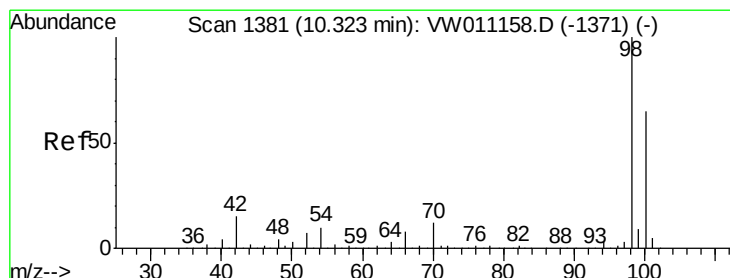
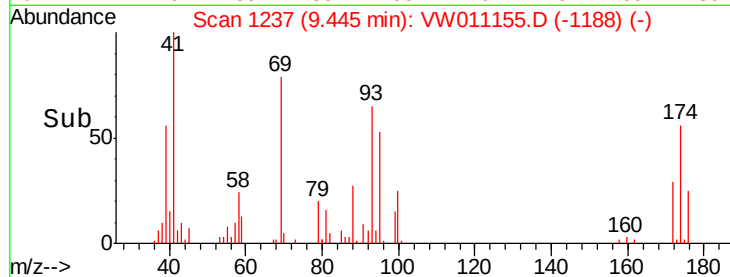
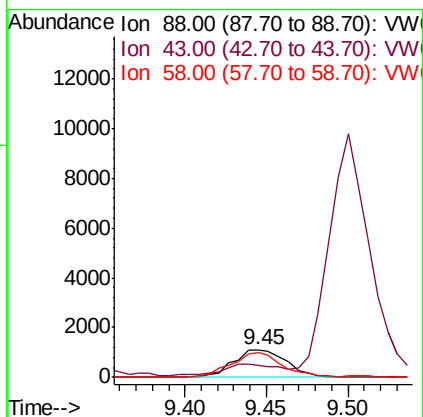
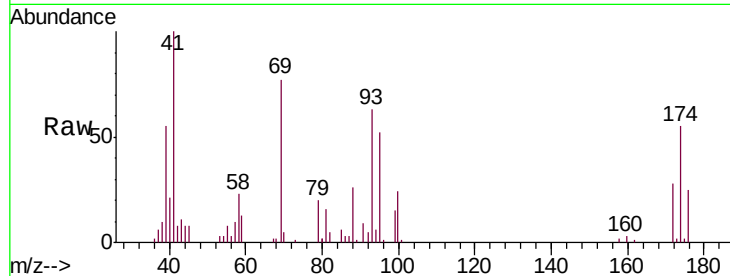
Tgt Ion: 88 Resp: 2487

Ion Ratio Lower Upper

88 100

43 40.9 33.4 50.0

58 87.7 64.5 96.7



#50

Toluene-d8

Concen: 5.148 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011155.D

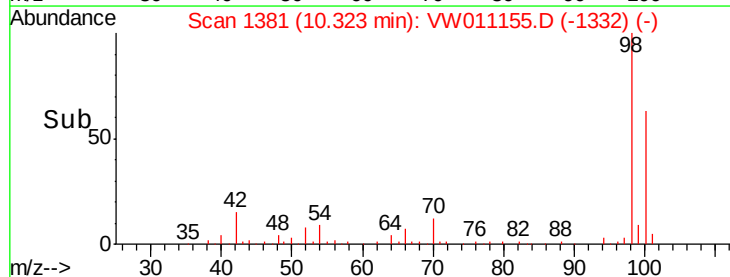
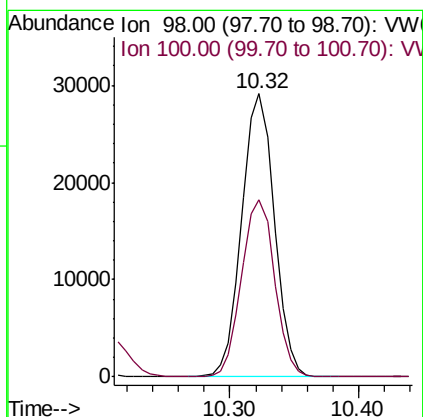
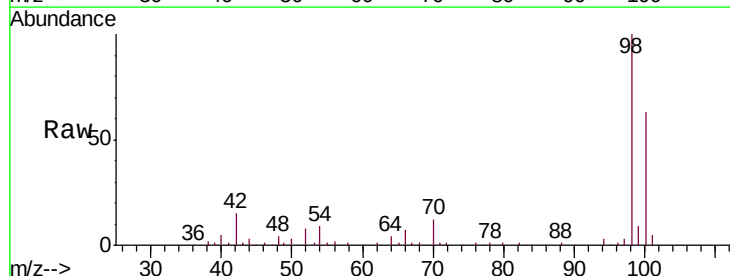
Acq: 08 Jul 2019 10:13

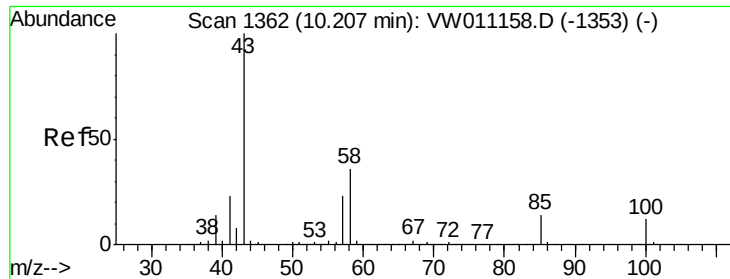
Tgt Ion: 98 Resp: 51208

Ion Ratio Lower Upper

98 100

100 63.4 52.4 78.6

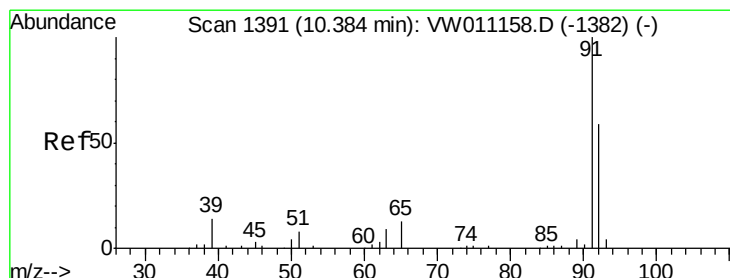
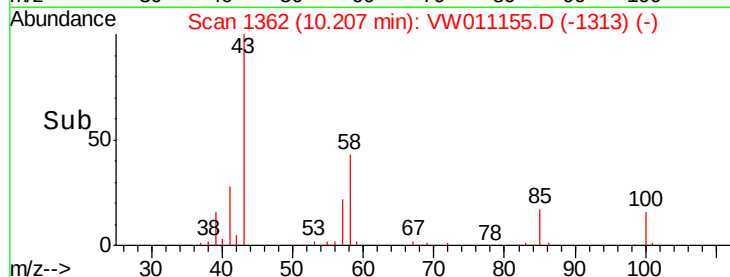
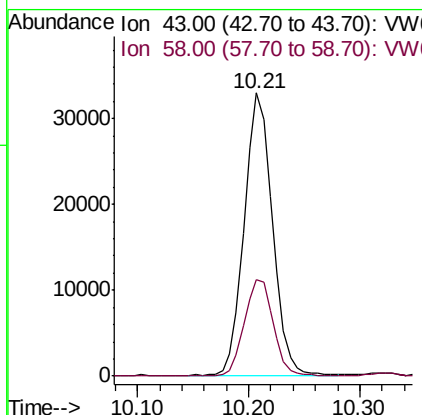
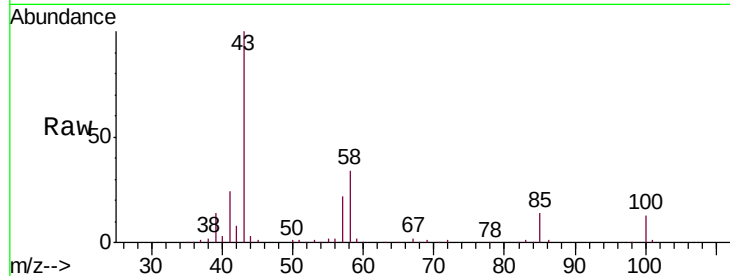




#51
 4-Methyl-2-Pentanone
 Concen: 22.524 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

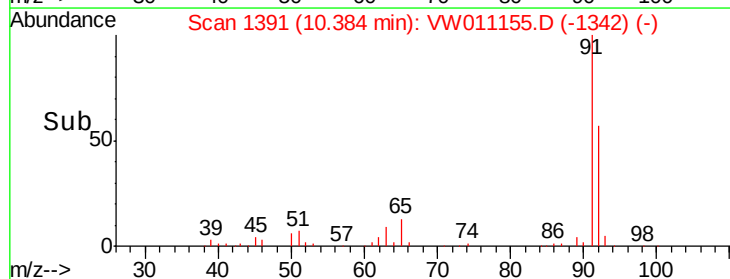
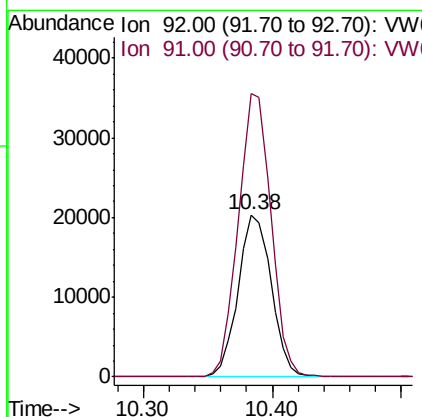
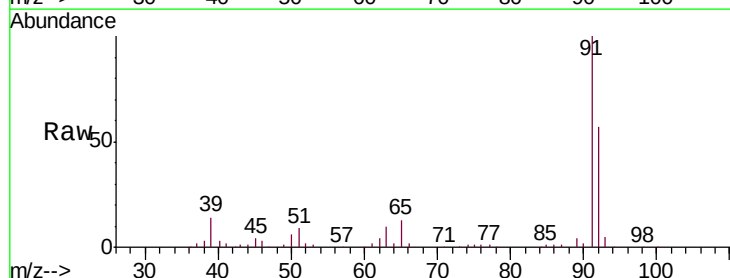
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

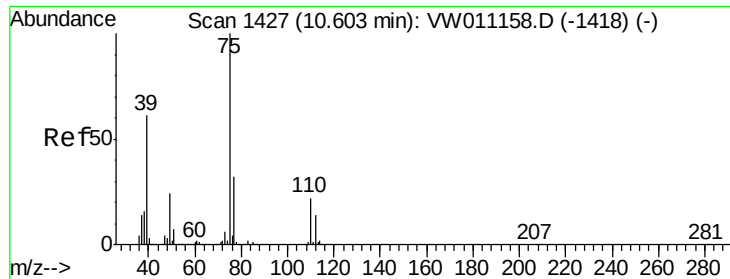
Tgt Ion: 43 Resp: 58684
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.2 42.2



#52
 Toluene
 Concen: 4.925 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion: 92 Resp: 36301
 Ion Ratio Lower Upper
 92 100
 91 172.5 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 4.611 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampled :

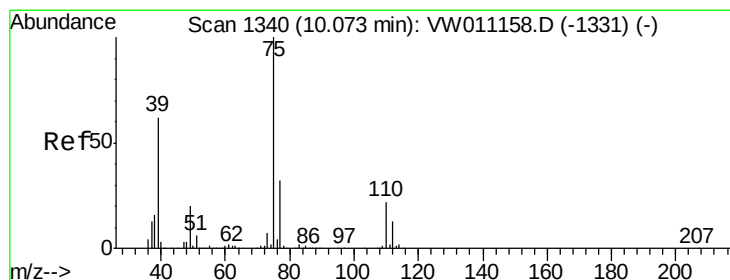
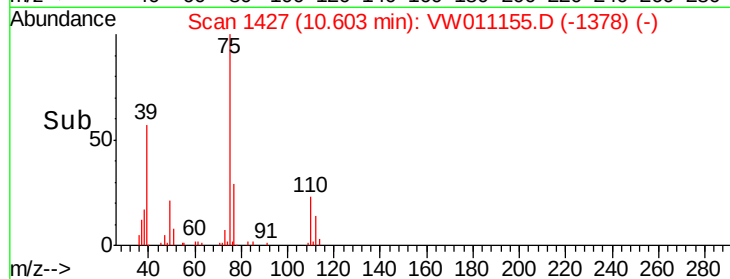
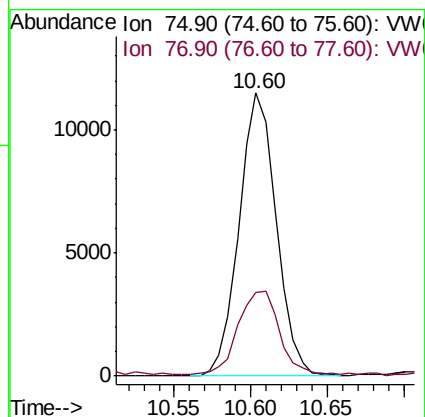
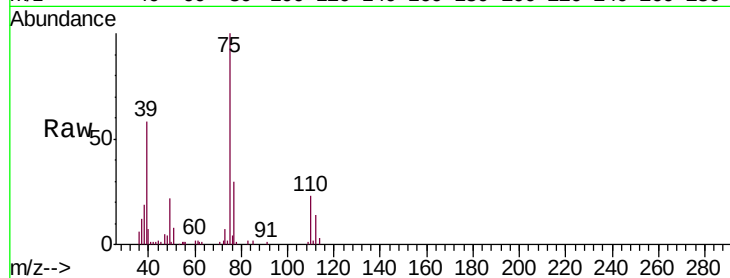
VSTDIC005

Tgt Ion: 75 Resp: 19410

Ion Ratio Lower Upper

75 100

77 28.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 4.733 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

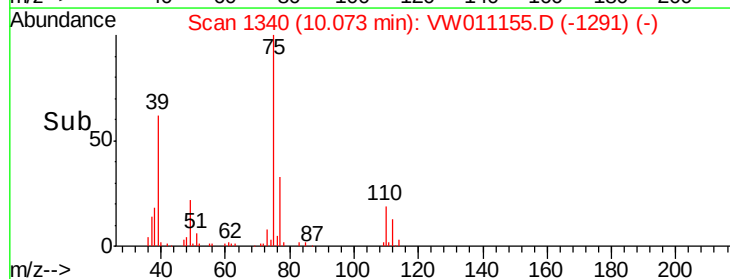
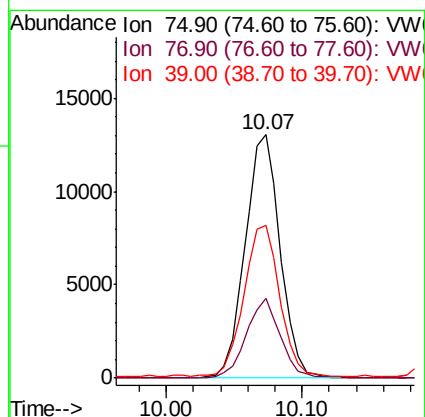
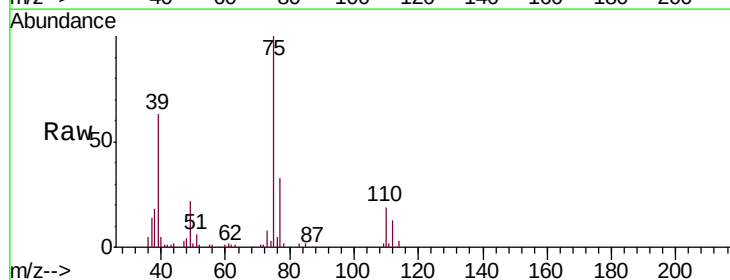
Tgt Ion: 75 Resp: 23455

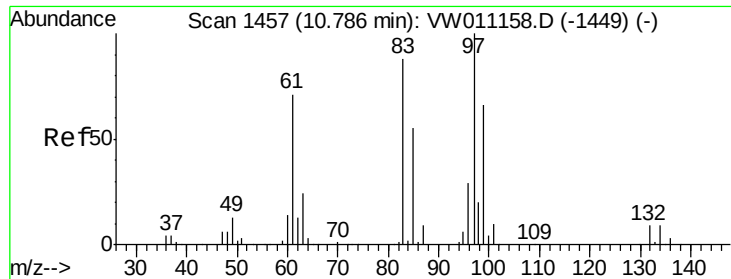
Ion Ratio Lower Upper

75 100

77 32.7 25.7 38.5

39 62.3 49.8 74.8

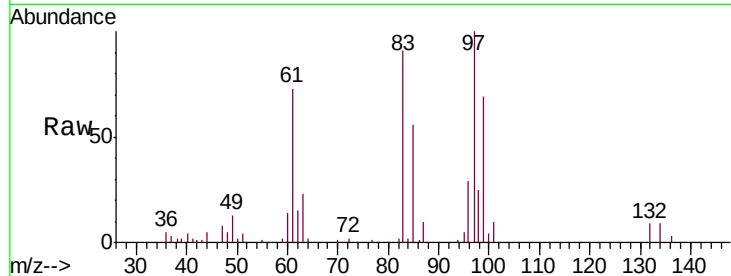




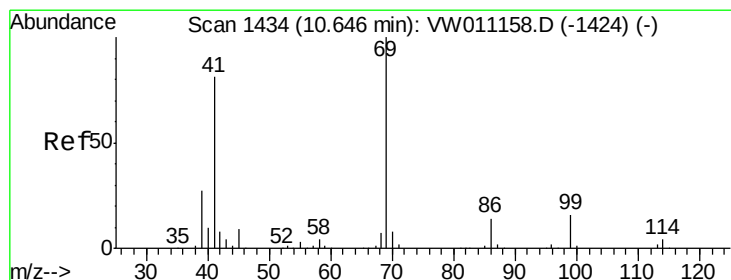
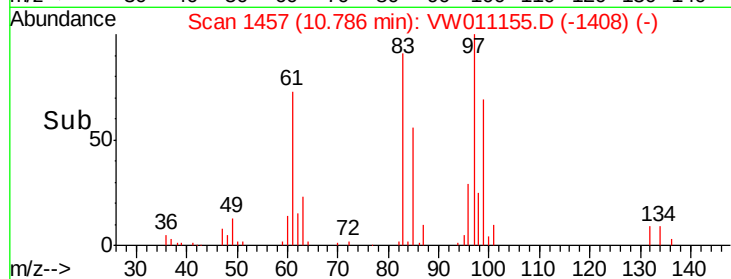
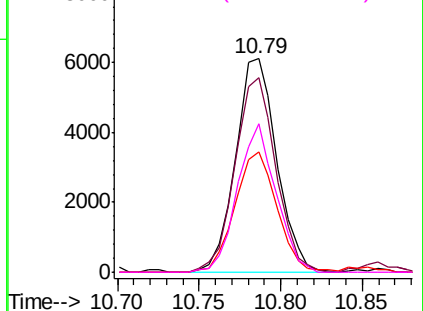
#55
1,1,2-Trichloroethane
Concen: 4.912 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:	97	Resp:	10772
Ion	Ratio	Lower	Upper
97	100		
83	91.0	70.2	105.4
85	56.2	44.2	66.2
99	69.3	52.6	79.0

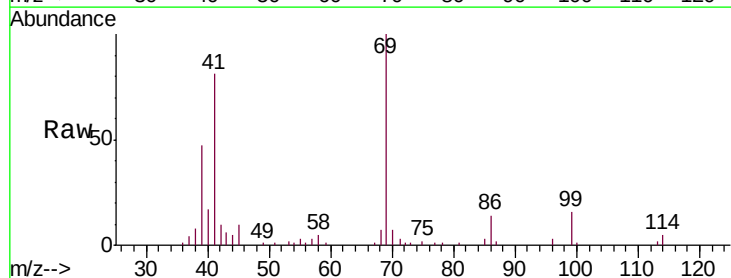


Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW

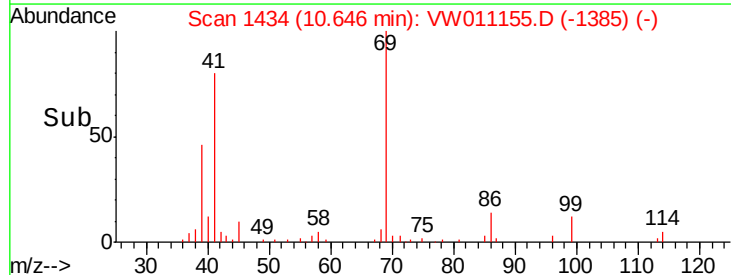
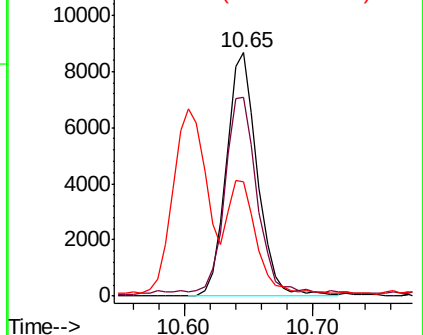


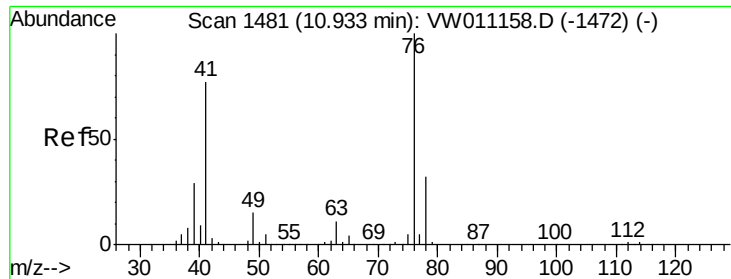
#56
Ethyl methacrylate
Concen: 4.367 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion:	69	Resp:	14581
Ion	Ratio	Lower	Upper
69	100		
41	82.2	66.5	99.7
39	40.6	32.5	48.7



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

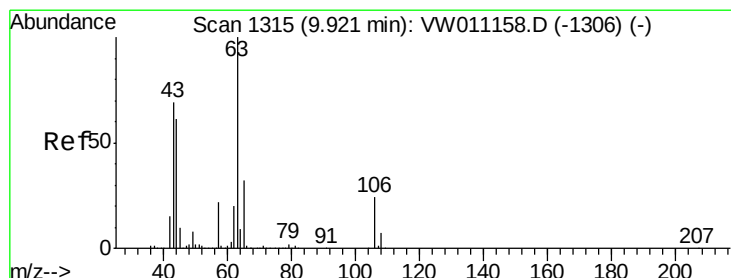
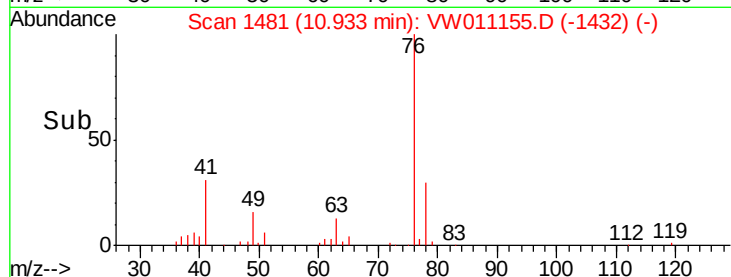
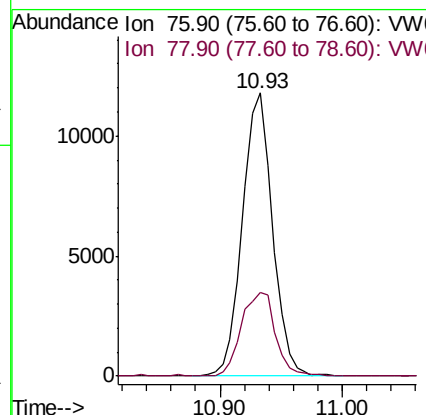
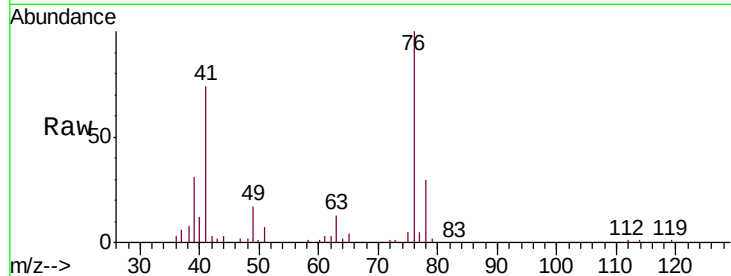




#57
 1,3-Dichloropropane
 Concen: 4.843 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

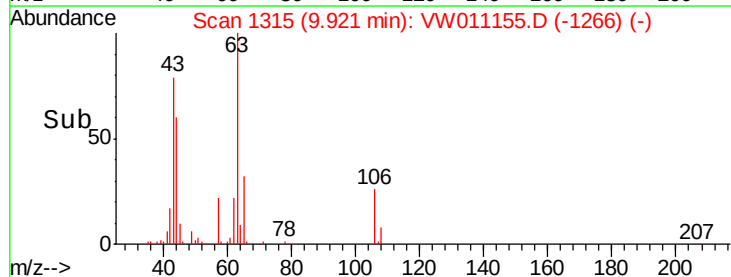
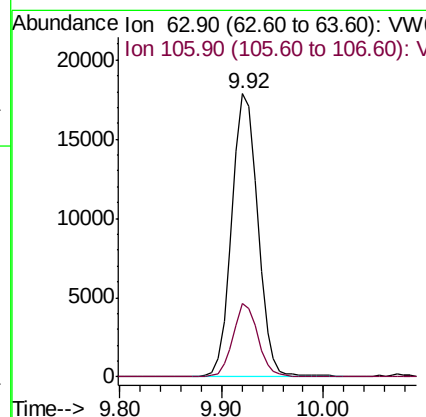
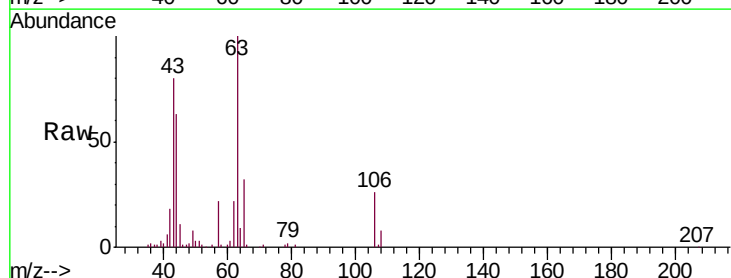
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

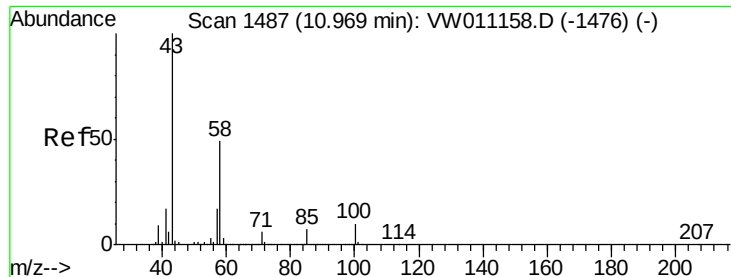
Tgt Ion: 76 Resp: 20082
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.424 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion: 63 Resp: 31612
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.4 29.0

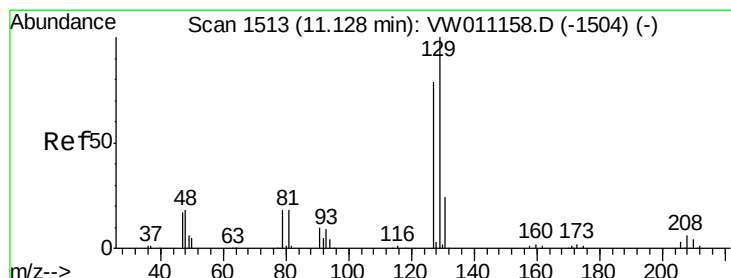
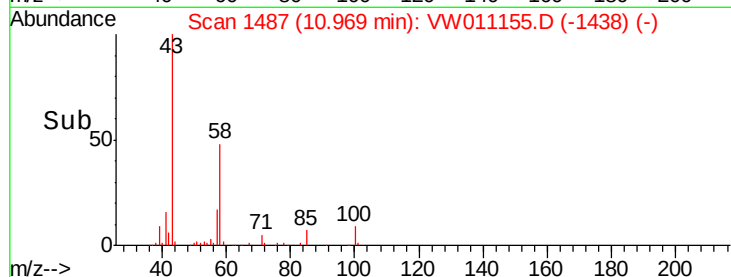
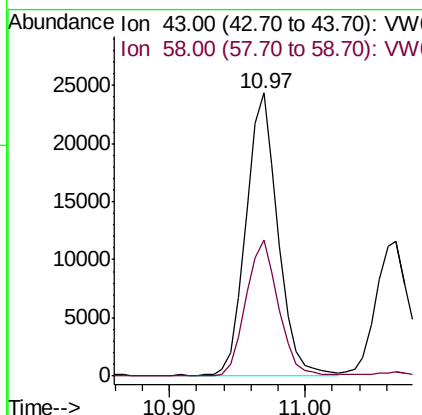
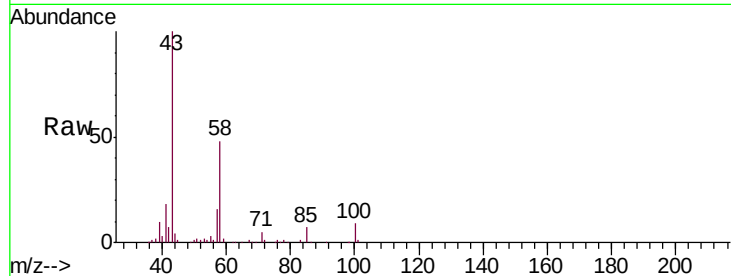




#59
2-Hexanone
Concen: 21.973 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

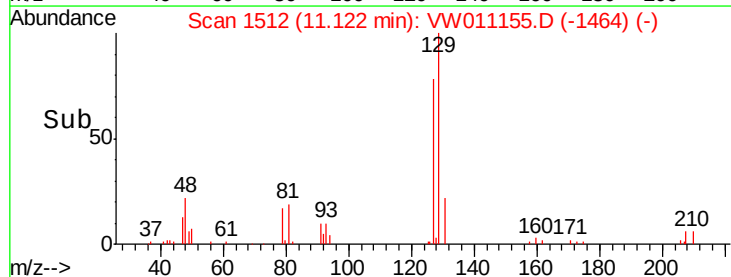
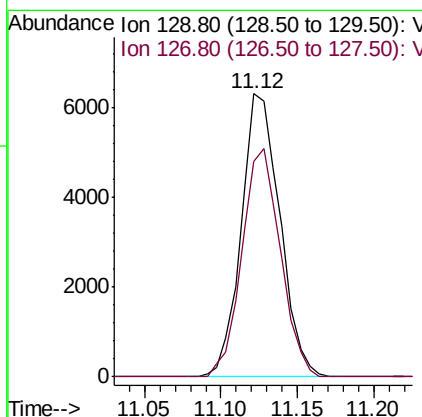
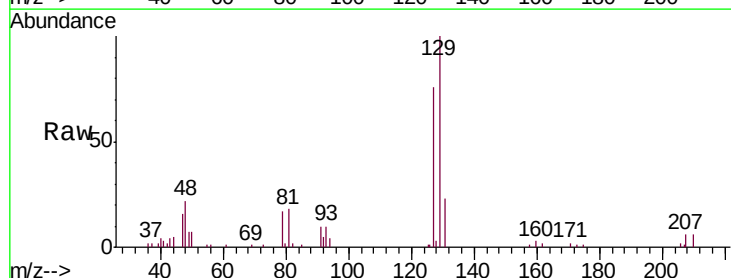
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

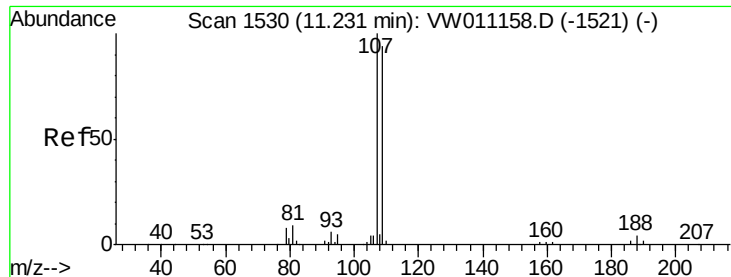
Tgt Ion: 43 Resp: 39703
Ion Ratio Lower Upper
43 100
58 49.1 24.4 73.4



#60
Dibromochloromethane
Concen: 4.610 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion: 129 Resp: 11086
Ion Ratio Lower Upper
129 100
127 80.0 39.1 117.3

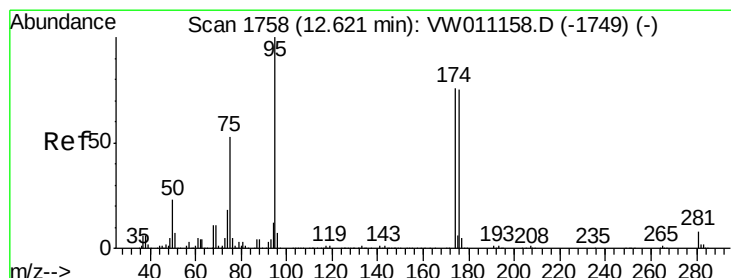
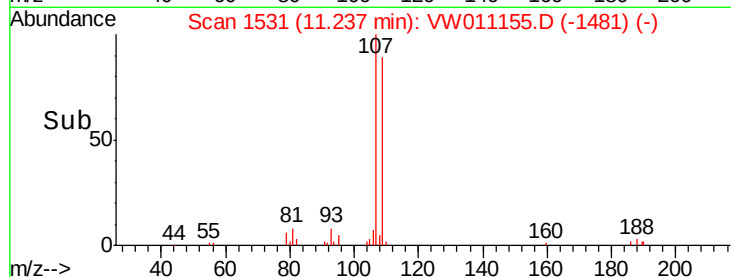
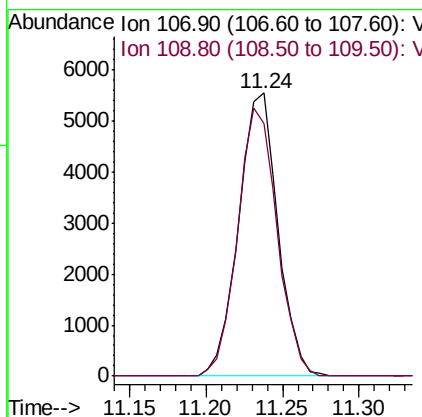
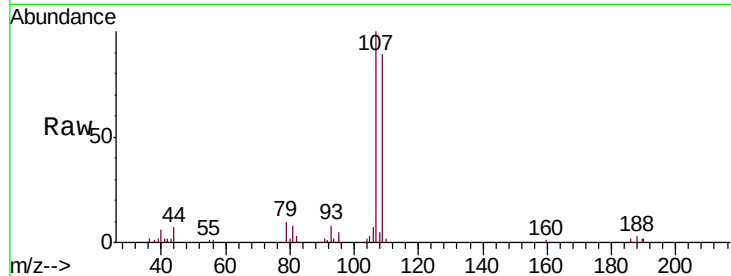




#61
 1,2-Dibromoethane
 Concen: 4.752 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

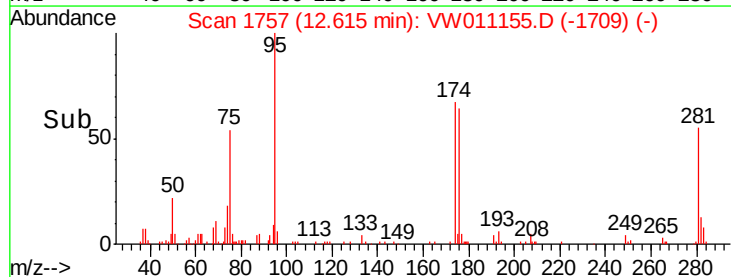
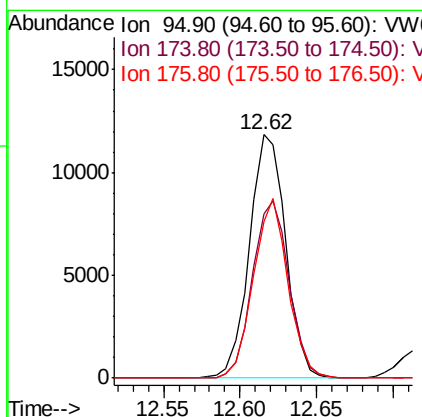
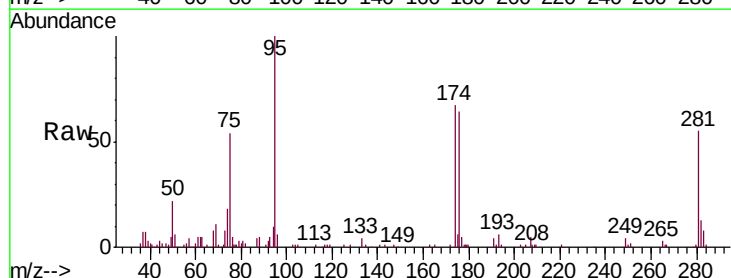
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

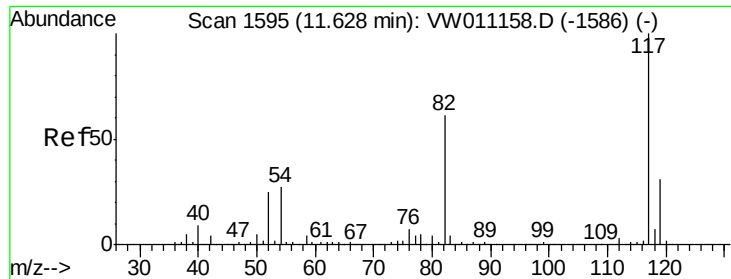
Tgt Ion: 107 Resp: 9870
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 5.333 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion: 95 Resp: 19446
 Ion Ratio Lower Upper
 95 100
 174 73.8 0.0 147.6
 176 70.7 0.0 144.6

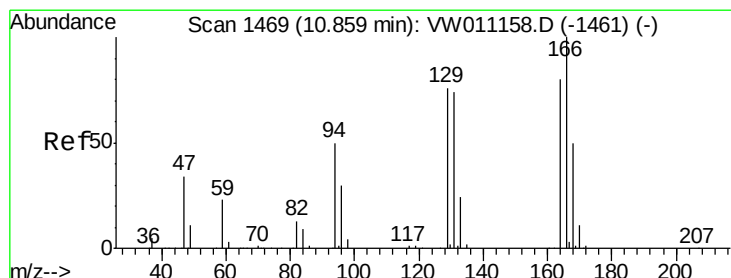
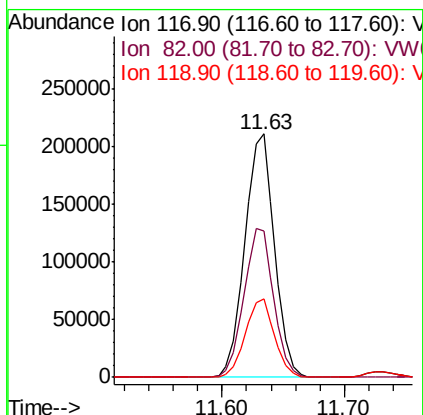
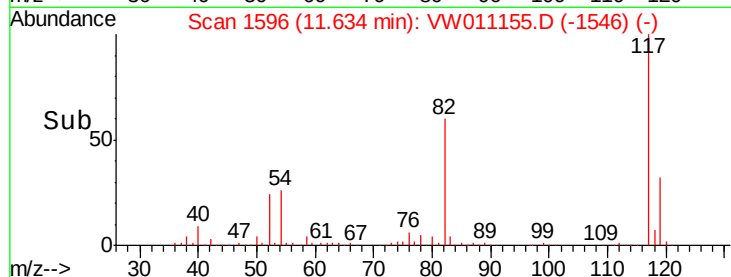
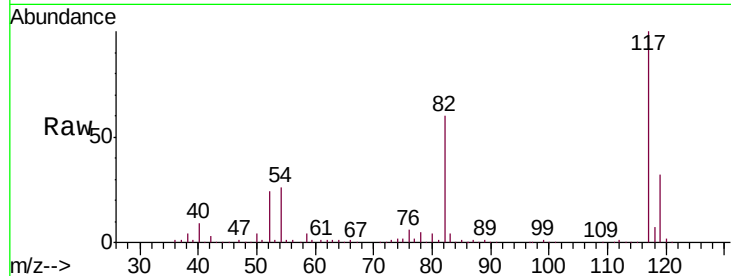




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

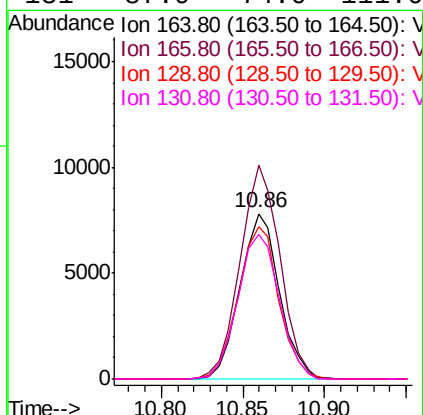
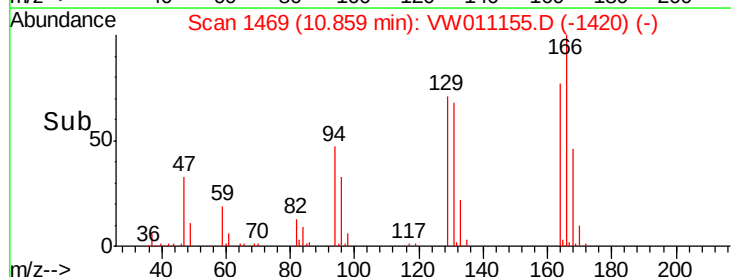
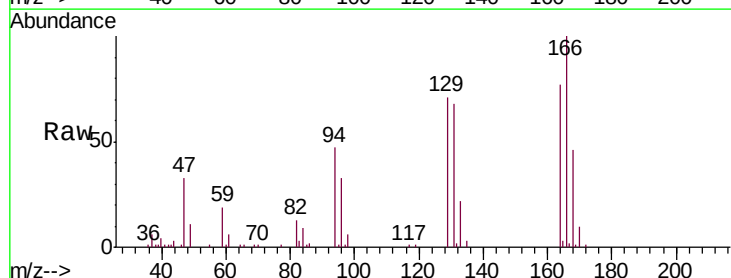
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

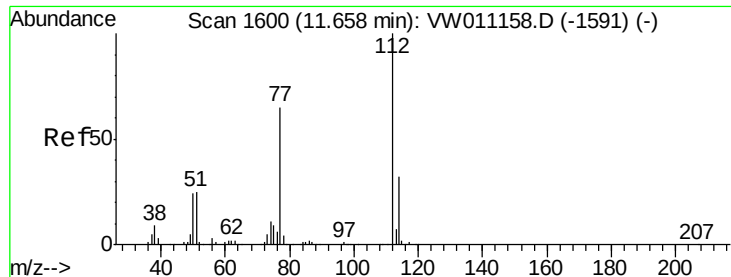
Tgt Ion:117 Resp: 355094
Ion Ratio Lower Upper
117 100
82 60.3 48.9 73.3
119 32.3 25.0 37.6



#64
Tetrachloroethene
Concen: 5.479 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion:164 Resp: 13128
Ion Ratio Lower Upper
164 100
166 129.2 99.7 149.5
129 92.3 76.2 114.2
131 87.9 74.0 111.0

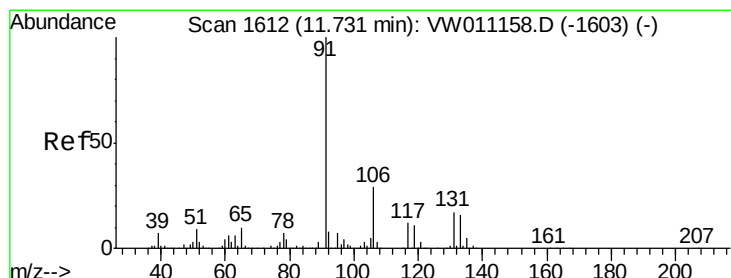
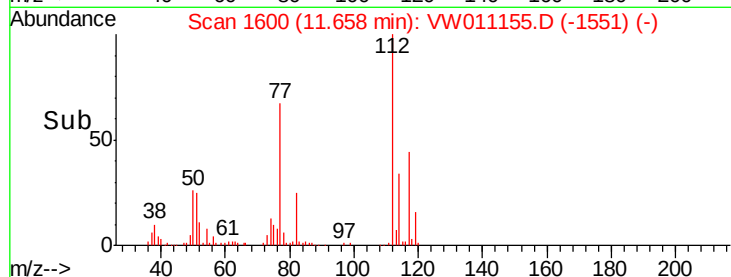
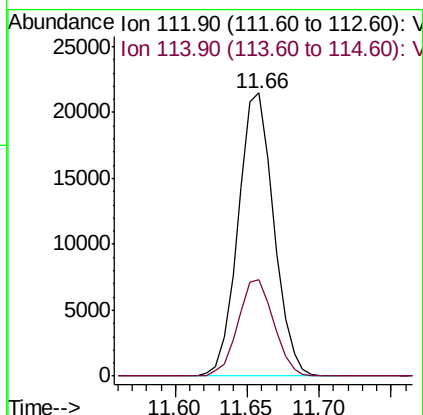
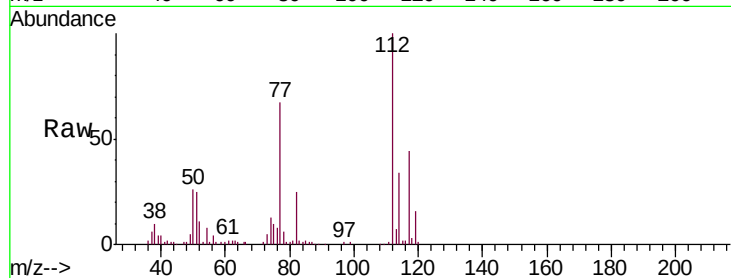




#65
Chlorobenzene
Concen: 5.098 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

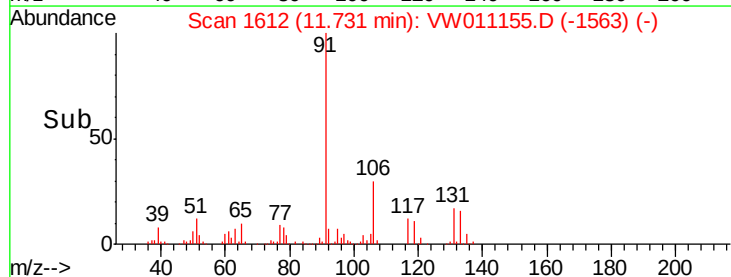
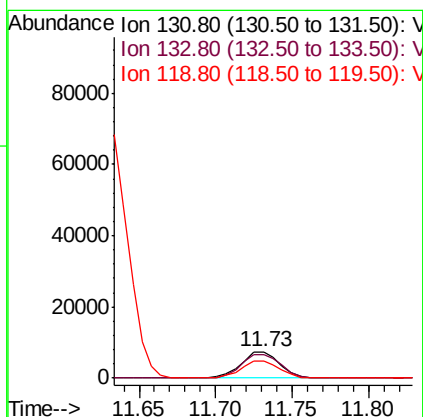
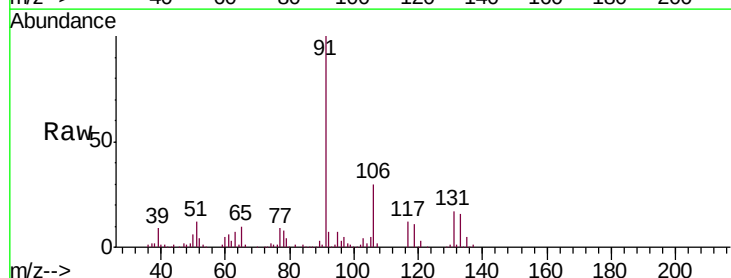
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

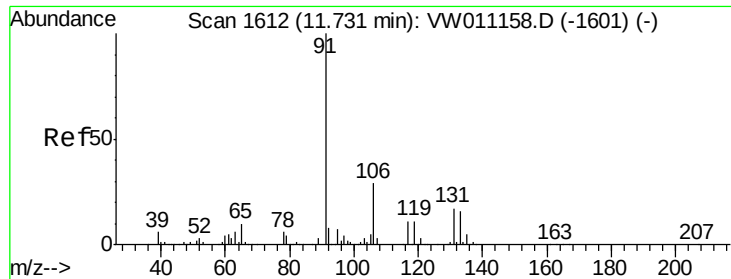
Tgt Ion:112 Resp: 36804
Ion Ratio Lower Upper
112 100
114 34.1 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 5.020 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion:131 Resp: 12761
Ion Ratio Lower Upper
131 100
133 94.1 47.9 143.8
119 66.3 33.1 99.2

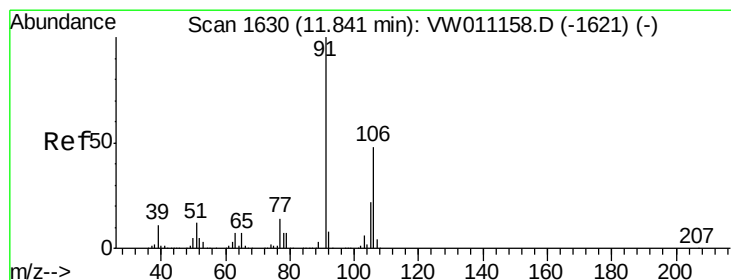
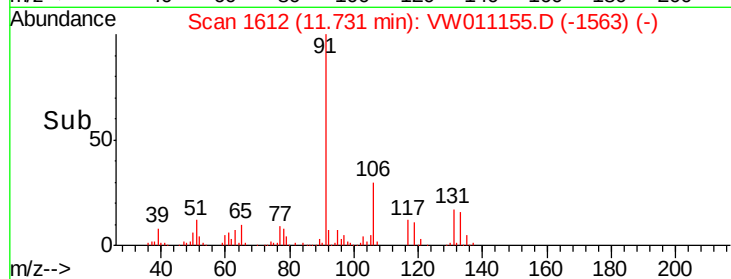
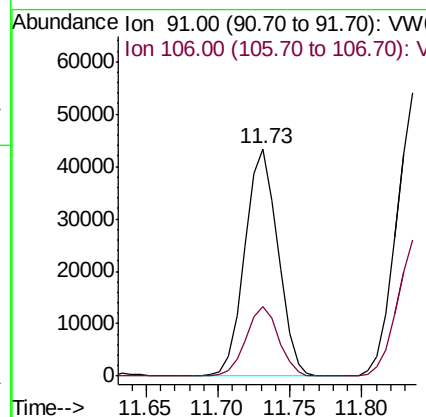
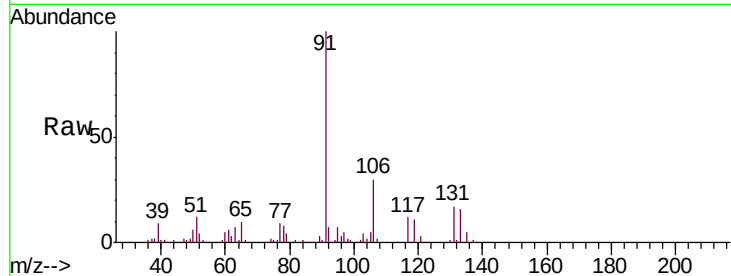




#67
Ethyl Benzene
Concen: 5.015 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

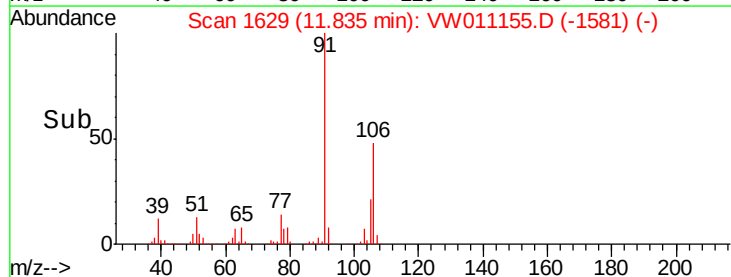
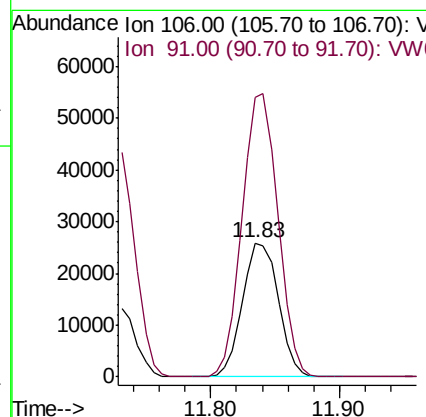
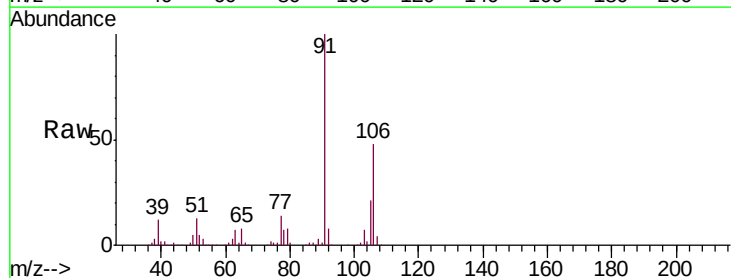
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

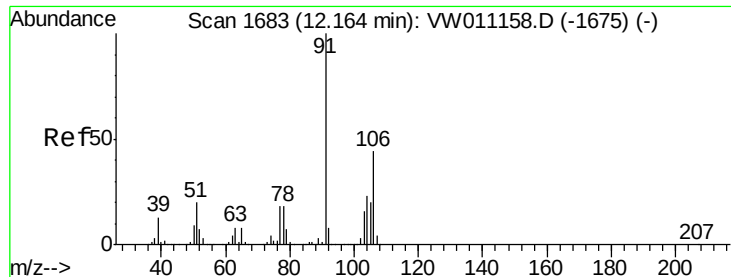
Tgt Ion: 91 Resp: 69311
Ion Ratio Lower Upper
91 100
106 30.4 23.5 35.3



#68
m/p-Xylenes
Concen: 10.035 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion: 106 Resp: 50186
Ion Ratio Lower Upper
106 100
91 210.2 167.7 251.5

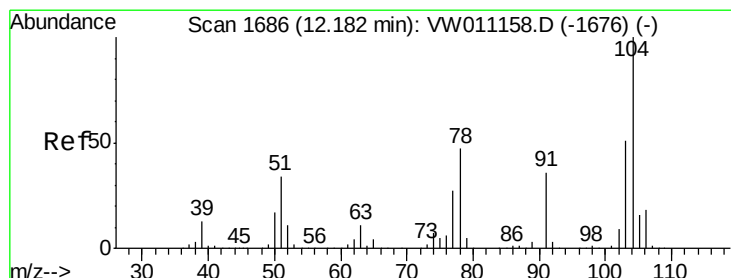
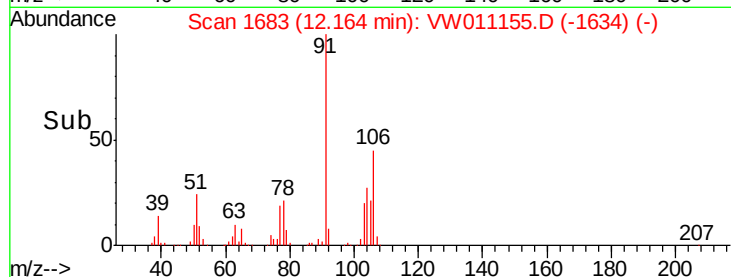
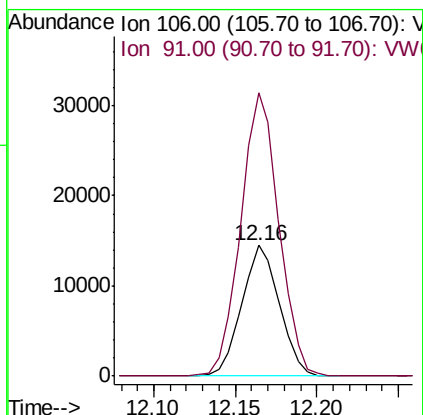
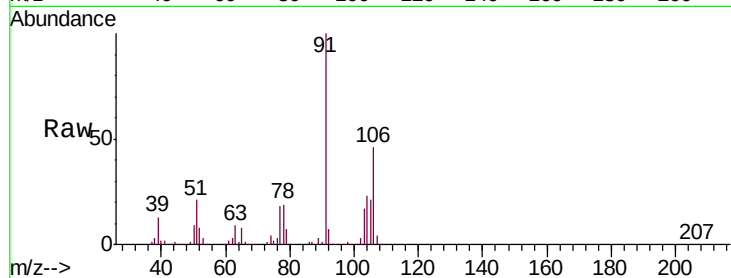




#69
o-Xylene
Concen: 4.956 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

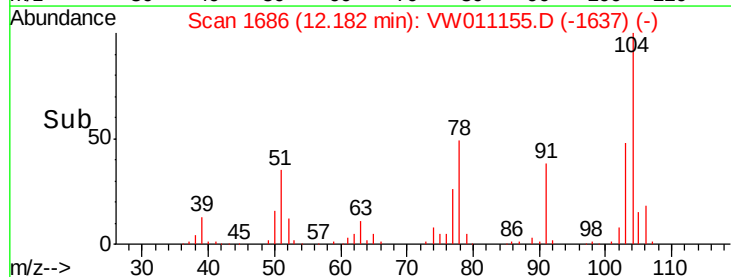
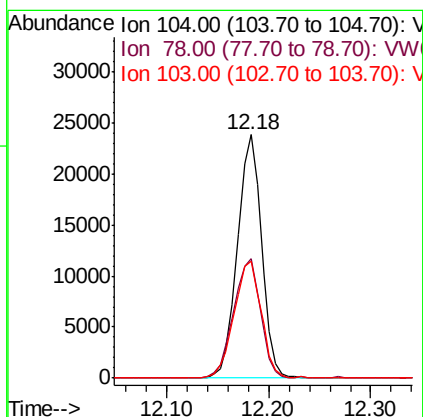
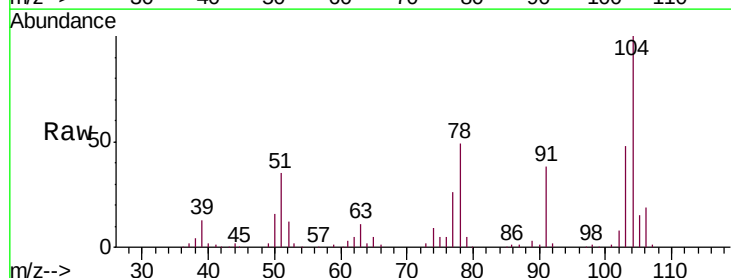
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

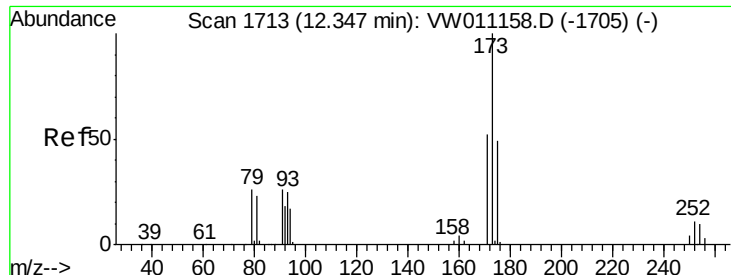
Tgt Ion:106 Resp: 23358
Ion Ratio Lower Upper
106 100
91 219.3 110.7 332.1



#70
Styrene
Concen: 4.794 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion:104 Resp: 38999
Ion Ratio Lower Upper
104 100
78 54.8 43.1 64.7
103 53.8 44.1 66.1





#71

Bromoform

Concen: 4.851 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

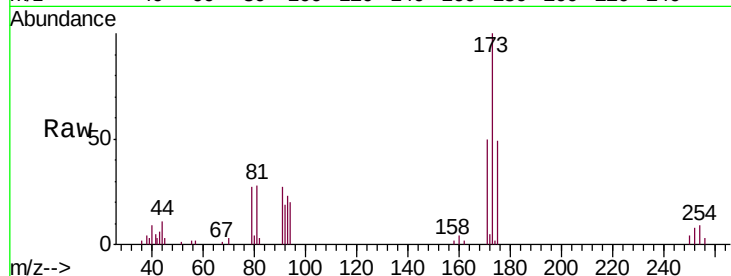
Tgt Ion:173 Resp: 6556

Ion Ratio Lower Upper

173 100

175 46.0 24.8 74.3

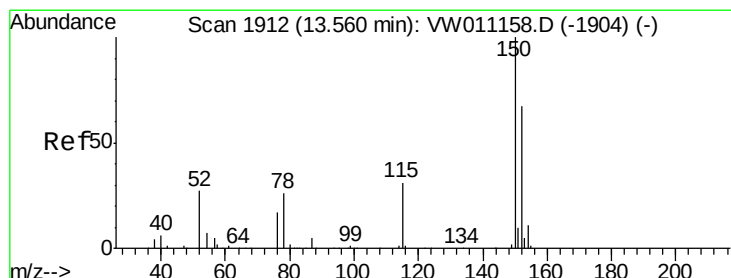
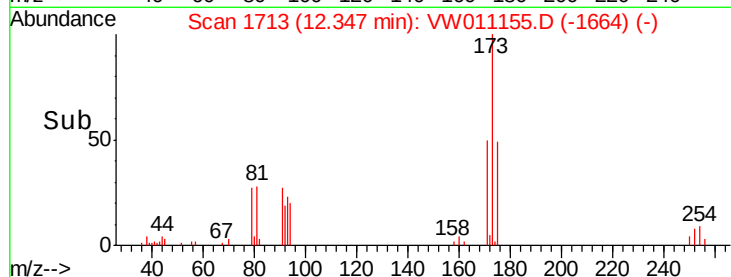
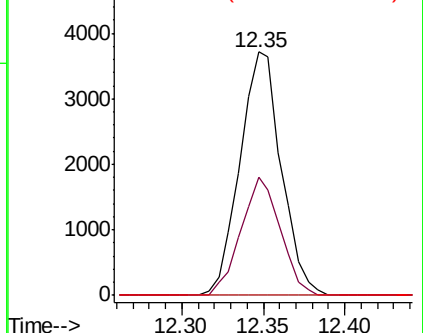
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

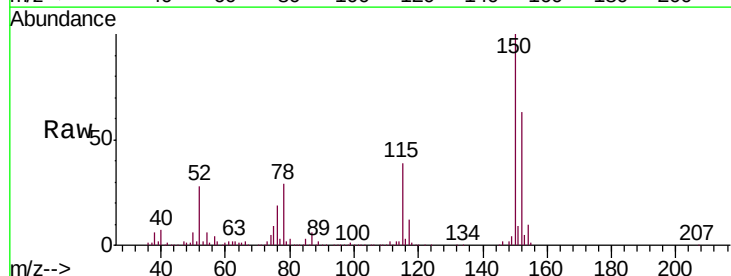
Tgt Ion:152 Resp: 167493

Ion Ratio Lower Upper

152 100

115 61.7 30.1 90.3

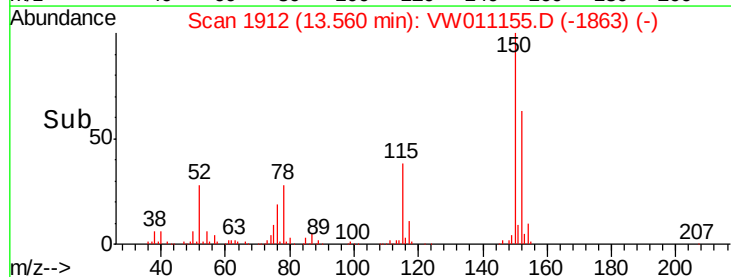
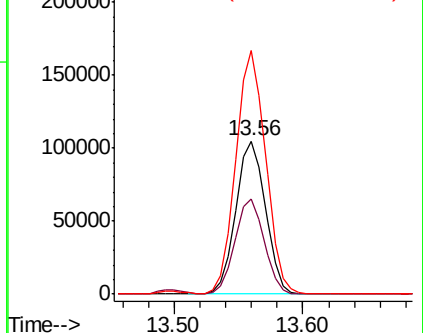
150 159.8 0.0 346.0

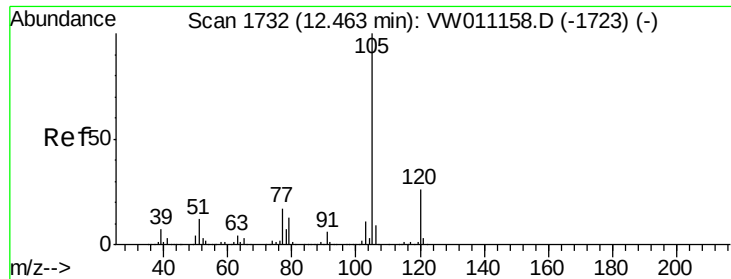


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.151 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

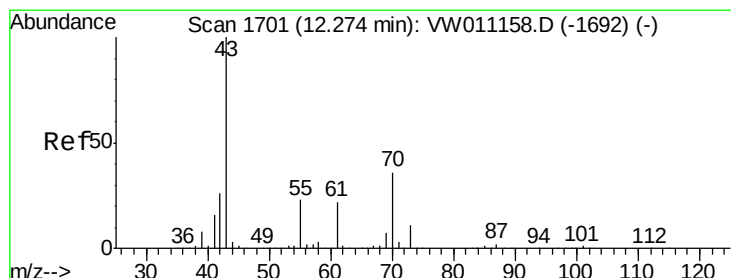
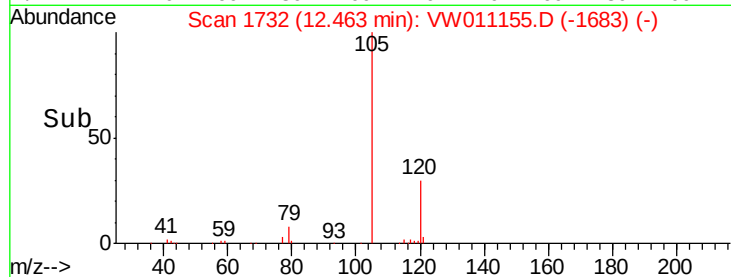
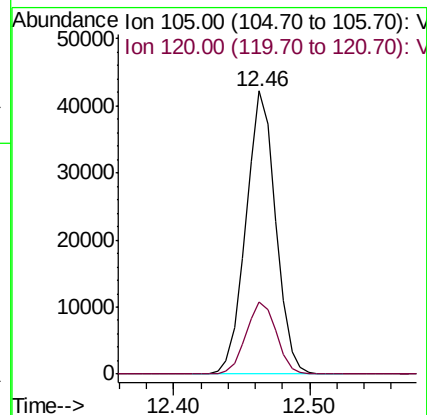
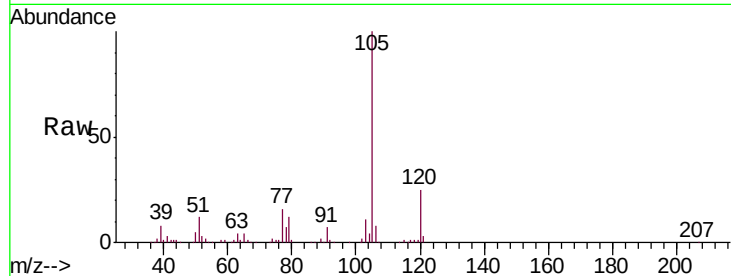
VSTDIC005

Tgt Ion: 105 Resp: 64499

Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.3



#74

N-ethyl acetate

Concen: 4.612 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Tgt Ion: 43 Resp: 20112

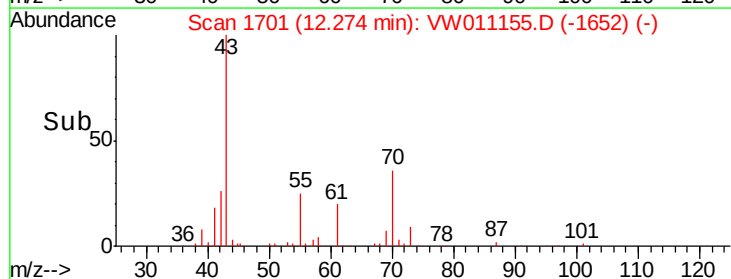
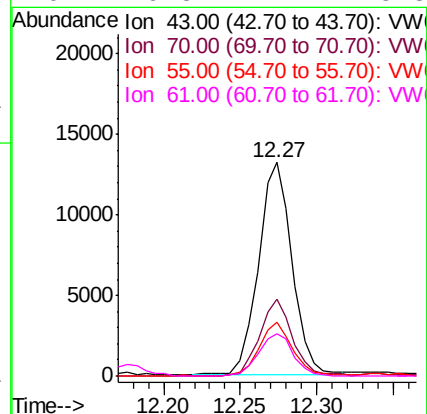
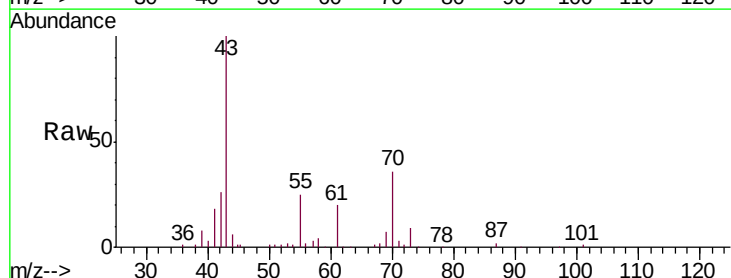
Ion Ratio Lower Upper

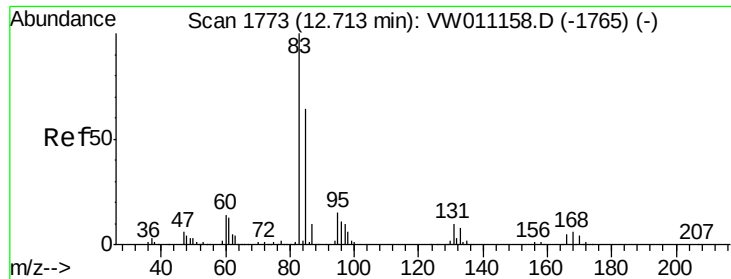
43 100

70 35.5 28.5 42.7

55 25.6 18.1 27.1

61 20.8 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 5.036 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

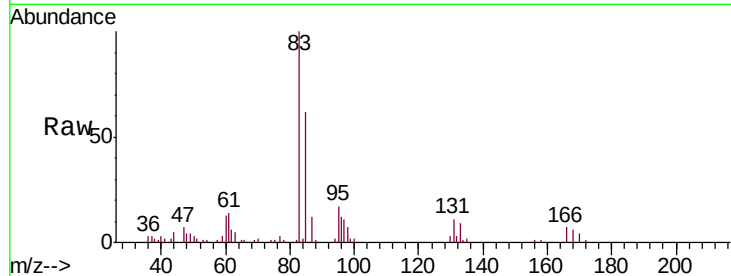
Tgt Ion: 83 Resp: 12924

Ion Ratio Lower Upper

83 100

131 10.3 5.0 15.0

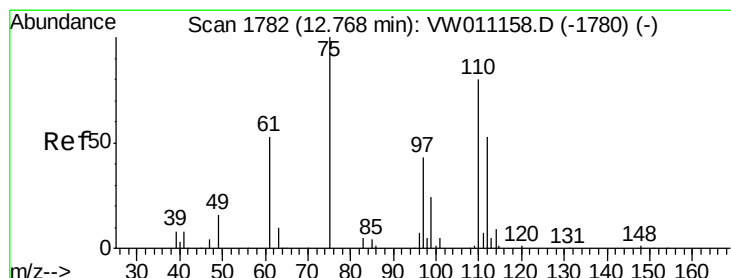
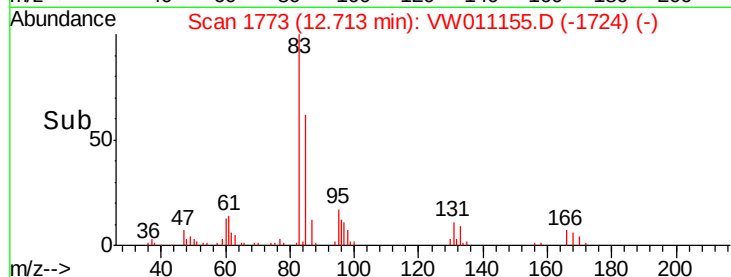
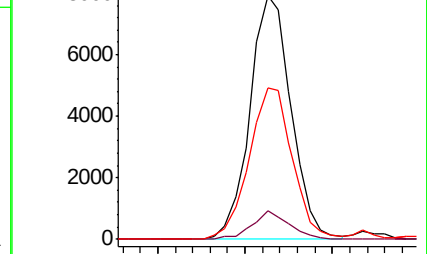
85 65.4 31.6 94.8



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: 8.667 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011155.D

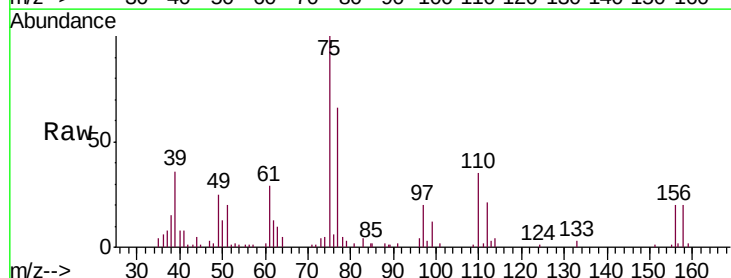
Acq: 08 Jul 2019 10:13

Tgt Ion: 75 Resp: 16822

Ion Ratio Lower Upper

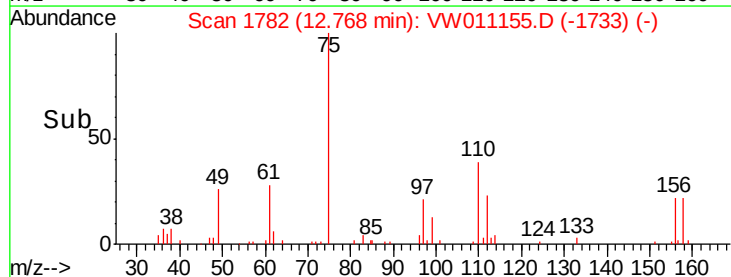
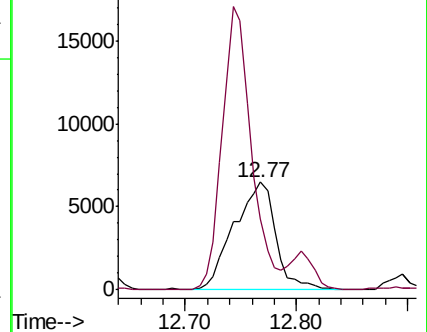
75 100

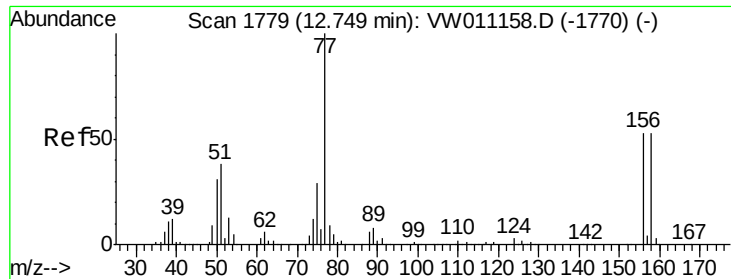
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.155 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

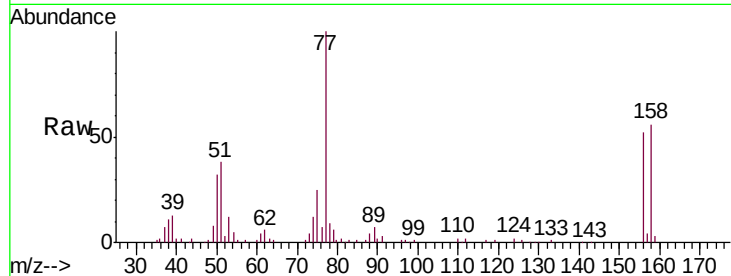
Tgt Ion:156 Resp: 14486

Ion Ratio Lower Upper

156 100

77 214.2 109.0 327.0

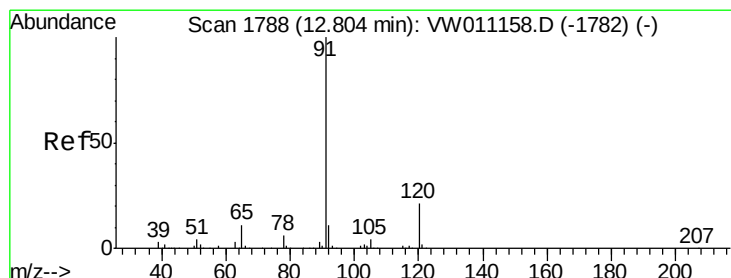
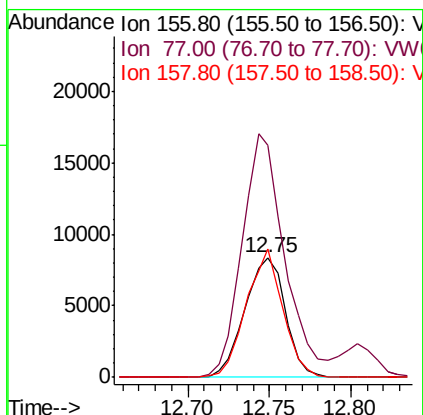
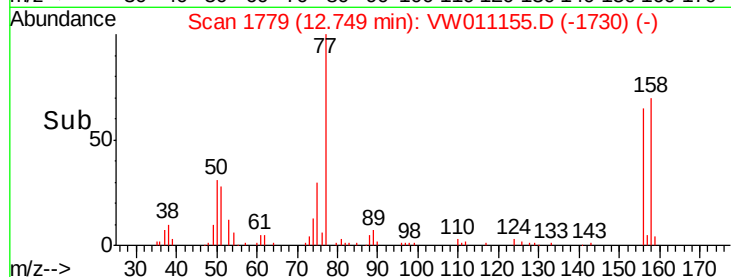
158 97.2 48.8 146.3



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: 5.167 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011155.D

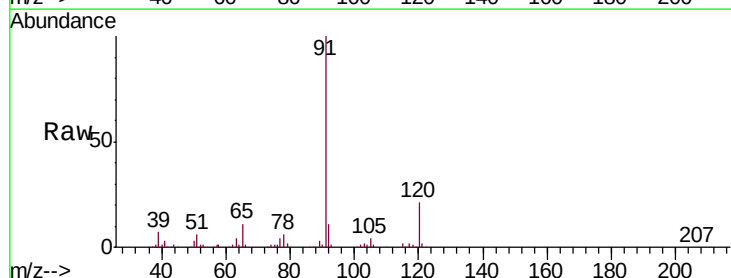
Acq: 08 Jul 2019 10:13

Tgt Ion: 91 Resp: 79699

Ion Ratio Lower Upper

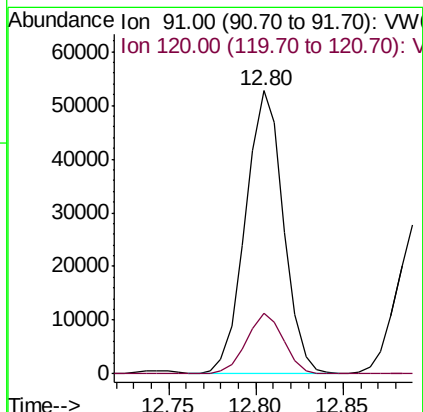
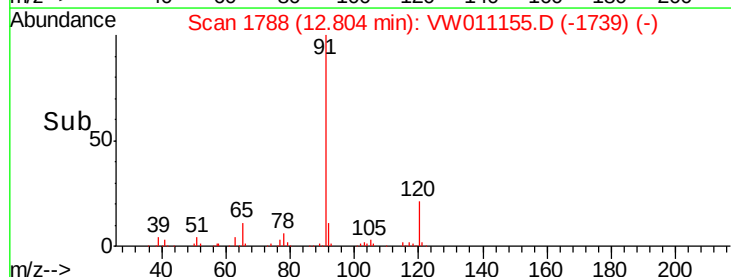
91 100

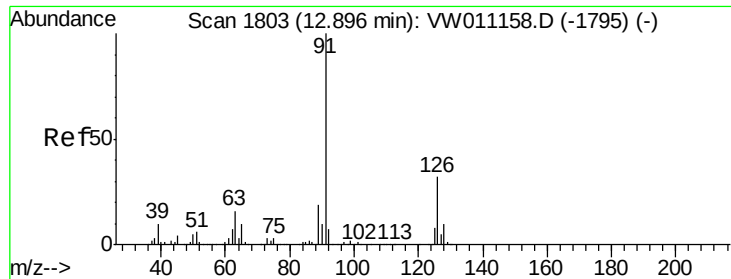
120 21.0 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.187 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

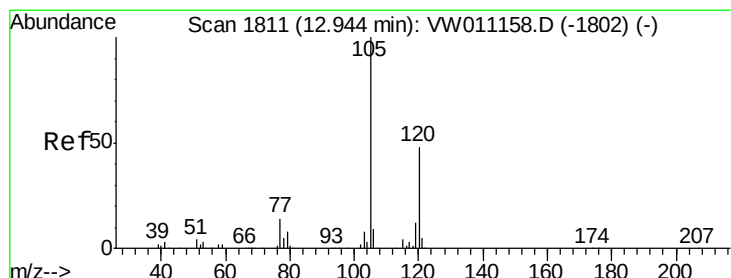
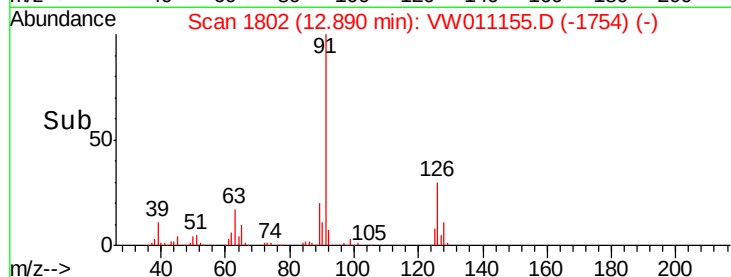
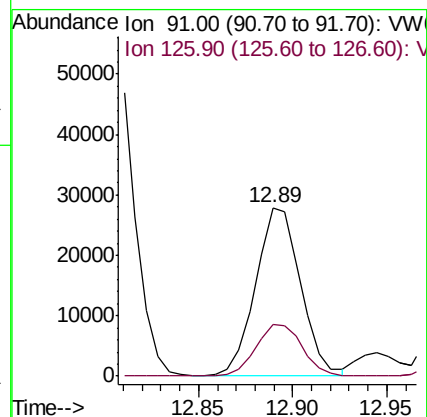
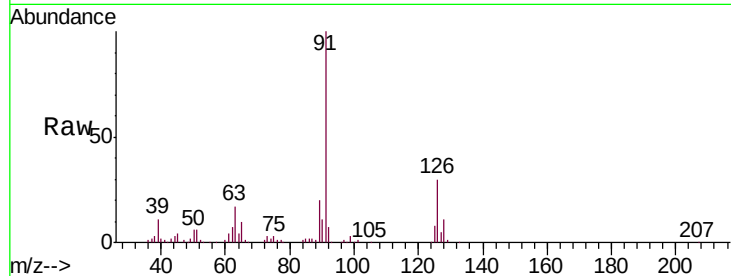
VSTDIC005

Tgt Ion: 91 Resp: 46037

Ion Ratio Lower Upper

91 100

126 31.5 15.8 47.3



#80

1,3,5-Trimethylbenzene

Concen: 5.136 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011155.D

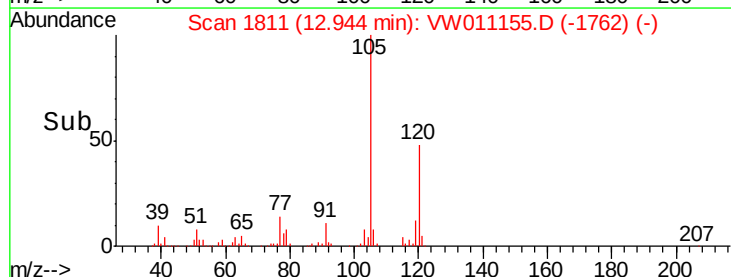
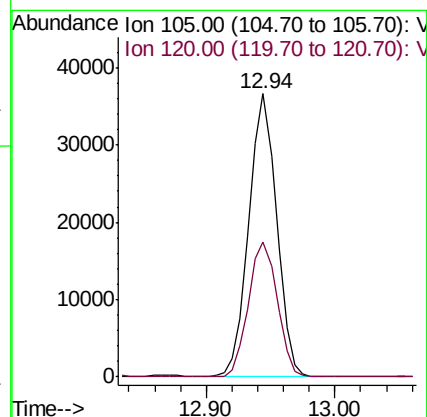
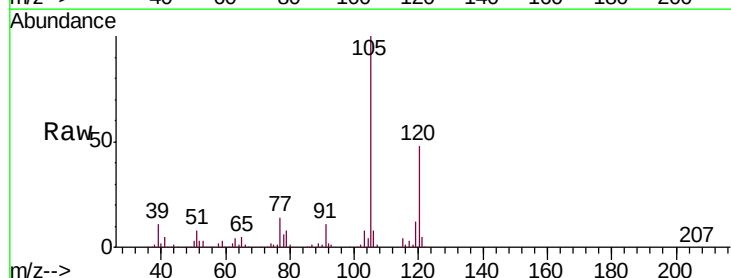
Acq: 08 Jul 2019 10:13

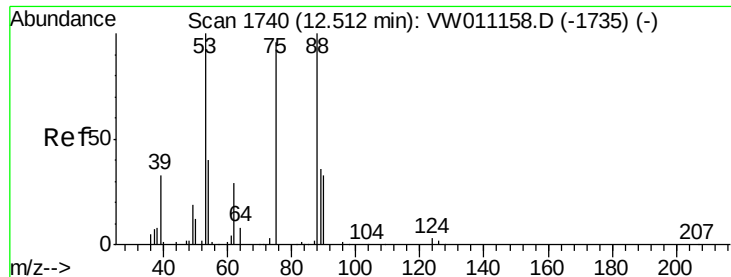
Tgt Ion: 105 Resp: 54635

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 4.620 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

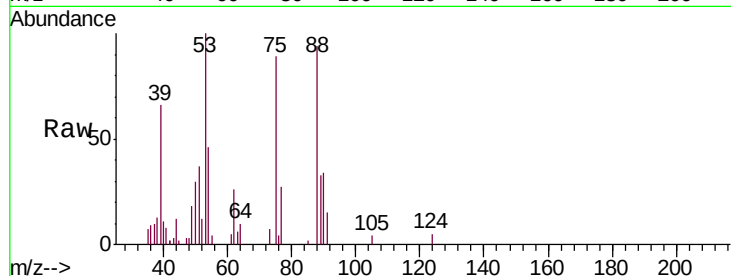
Tgt Ion: 75 Resp: 3954

Ion Ratio Lower Upper

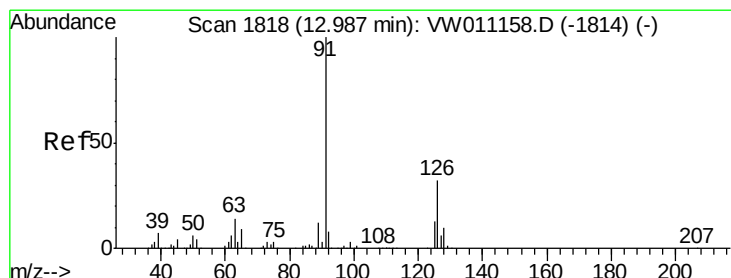
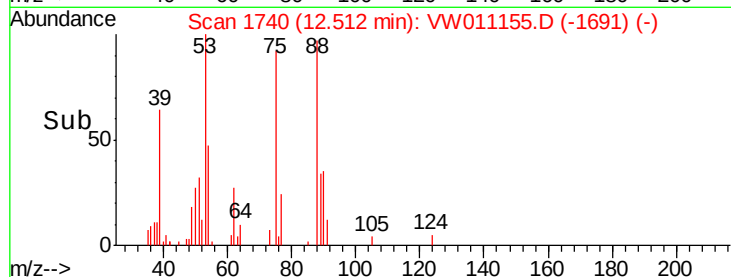
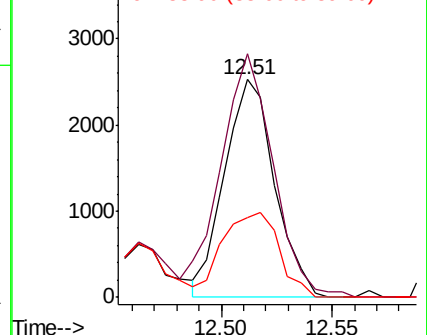
75 100

53 117.8 89.8 134.6

89 44.1 34.3 51.5



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 5.201 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011155.D

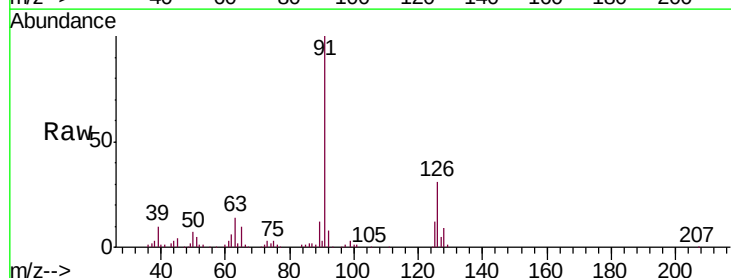
Acq: 08 Jul 2019 10:13

Tgt Ion: 91 Resp: 48083

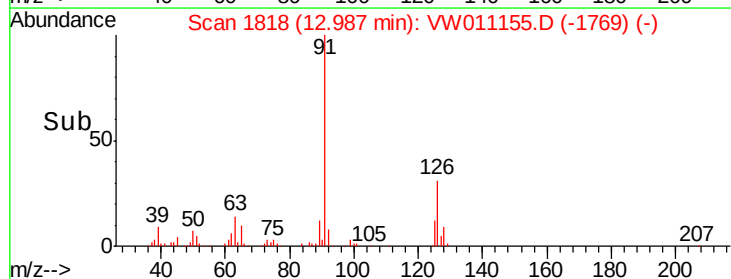
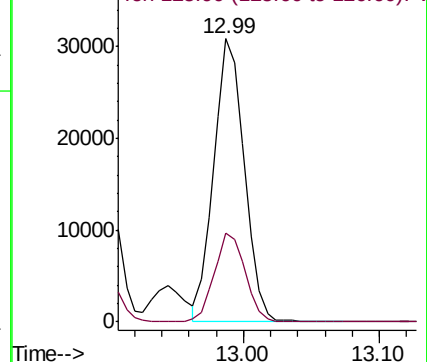
Ion Ratio Lower Upper

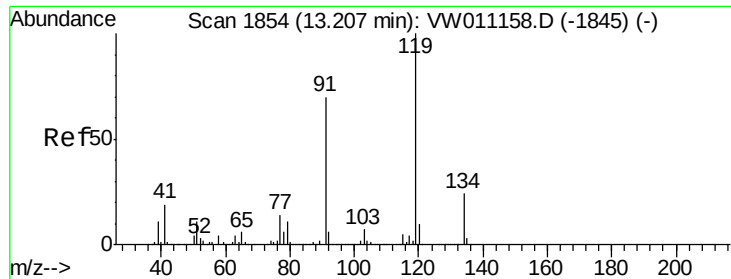
91 100

126 31.9 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

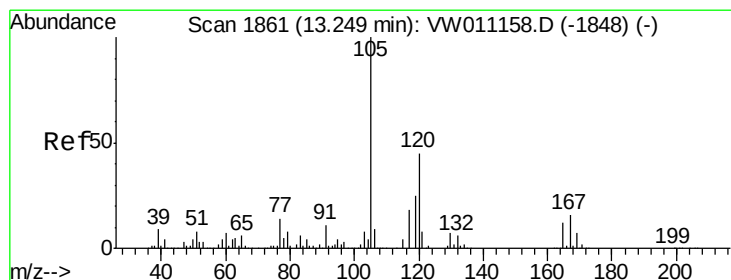
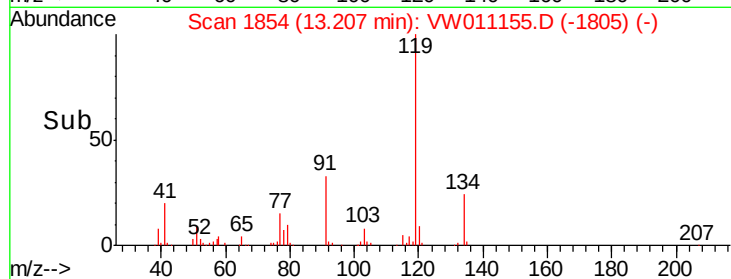
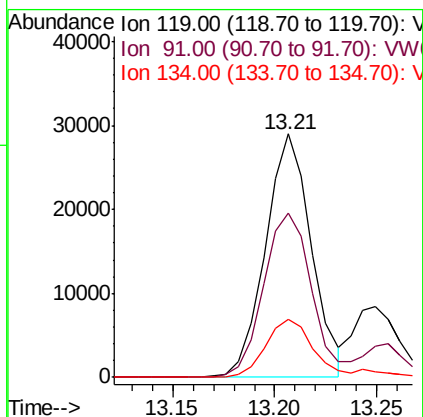
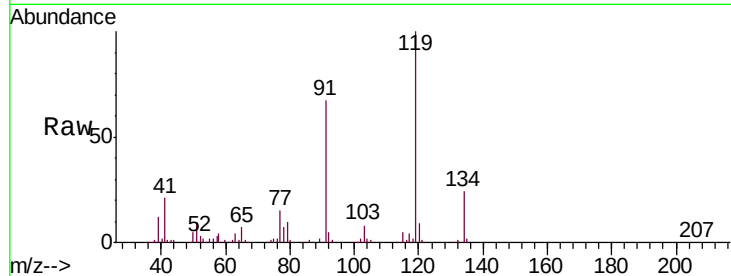




#83
 tert-Butylbenzene
 Concen: 5.127 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

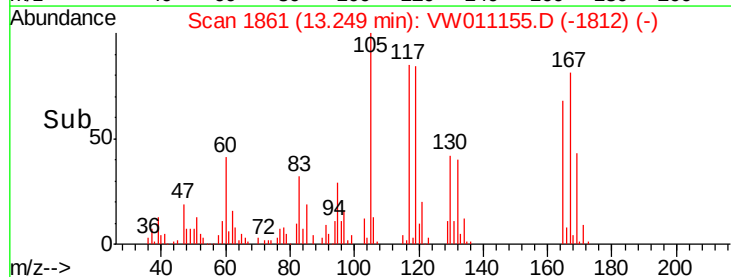
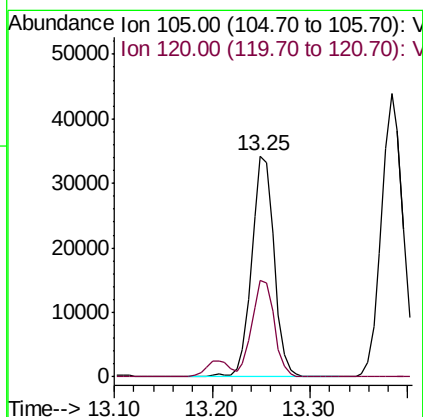
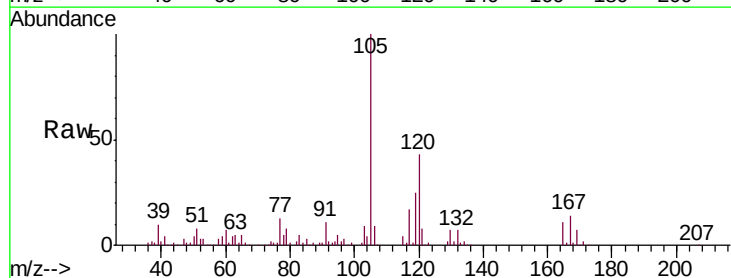
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

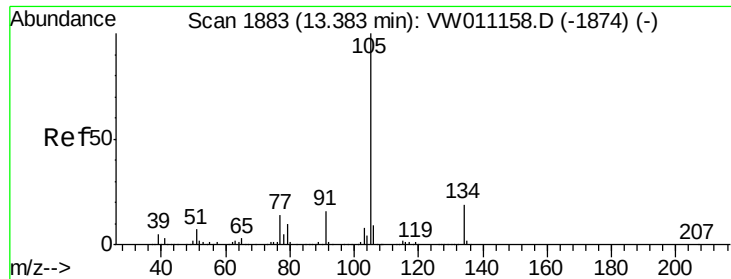
Tgt Ion:119 Resp: 45484
 Ion Ratio Lower Upper
 119 100
 91 71.4 35.4 106.3
 134 24.6 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 5.102 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion:105 Resp: 54493
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.3 66.9





#85

sec-Butylbenzene

Concen: 5.246 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

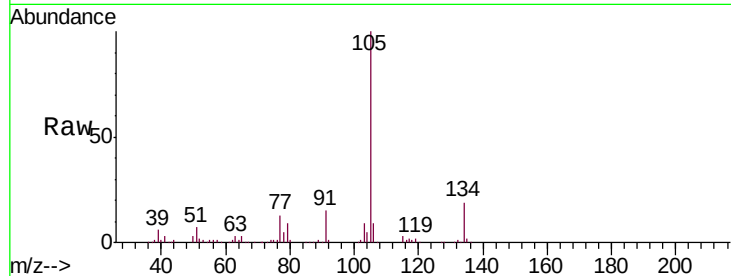
VSTDIC005

Tgt Ion:105 Resp: 67155

Ion Ratio Lower Upper

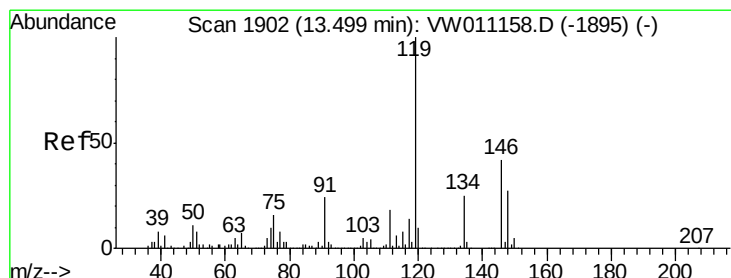
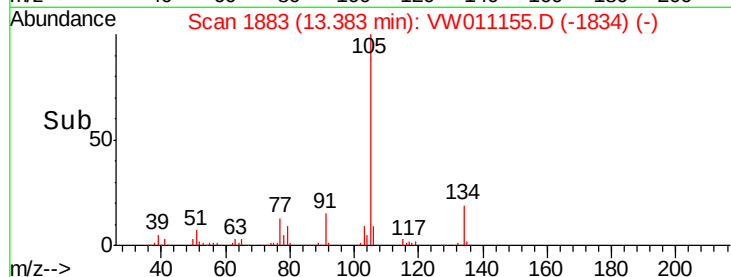
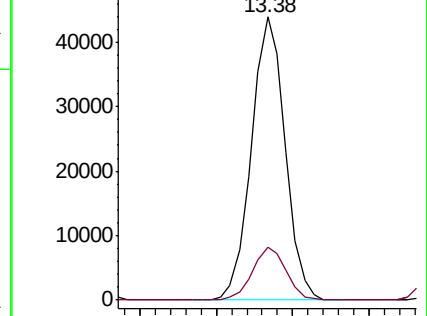
105 100

134 18.7 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.116 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

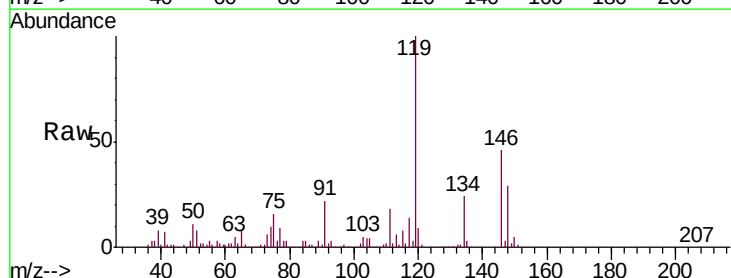
Tgt Ion:119 Resp: 58739

Ion Ratio Lower Upper

119 100

134 25.0 12.9 38.6

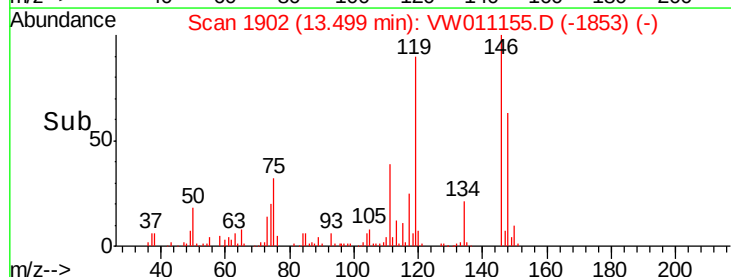
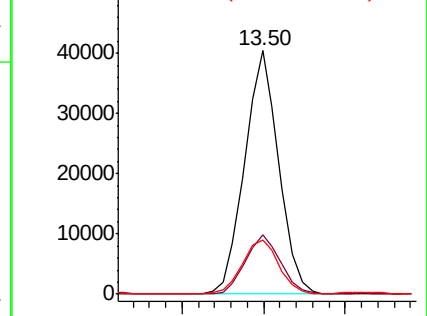
91 24.2 12.3 36.8

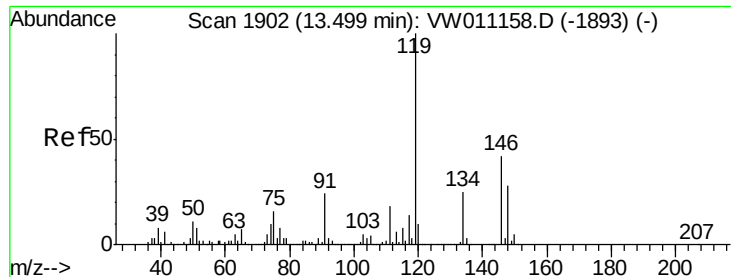


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

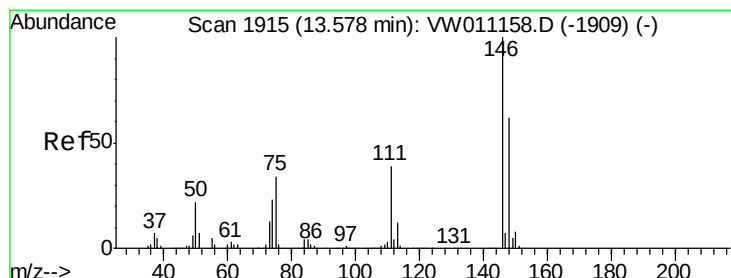
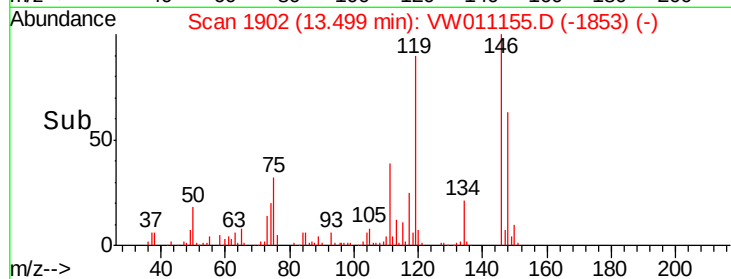
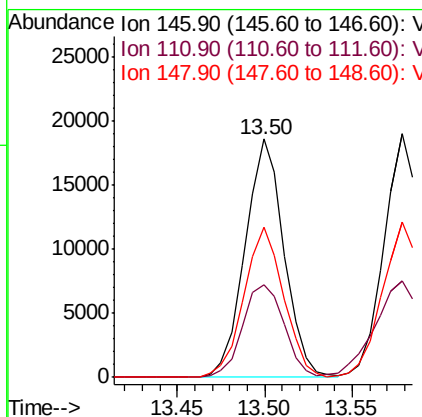
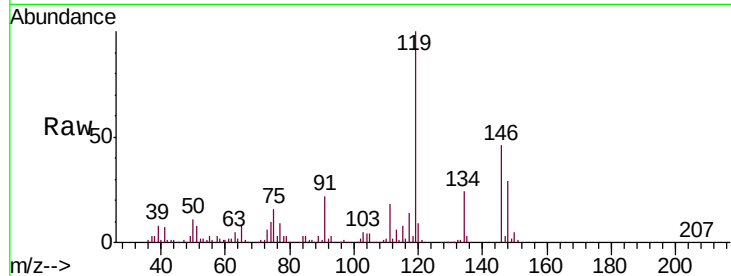




#87
 1,3-Dichlorobenzene
 Concen: 5.303 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

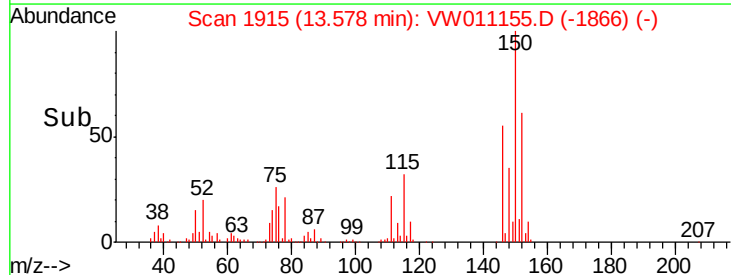
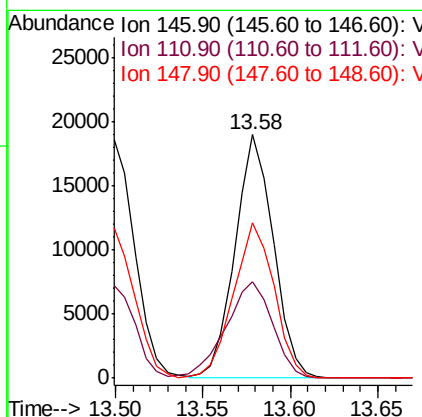
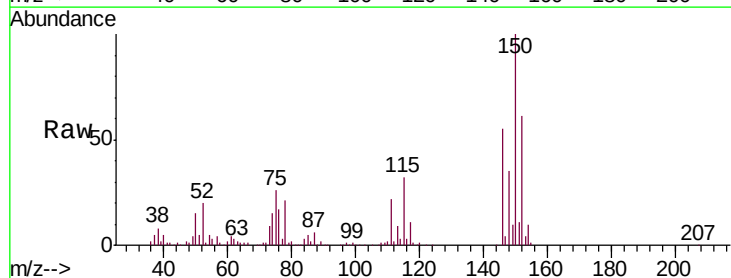
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

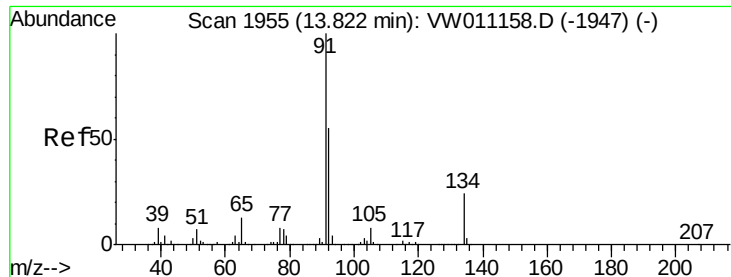
Tgt Ion:146 Resp: 28671
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.1 63.1
 148 64.4 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 5.321 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion:146 Resp: 28969
 Ion Ratio Lower Upper
 146 100
 111 48.2 19.9 59.7
 148 67.8 31.5 94.5

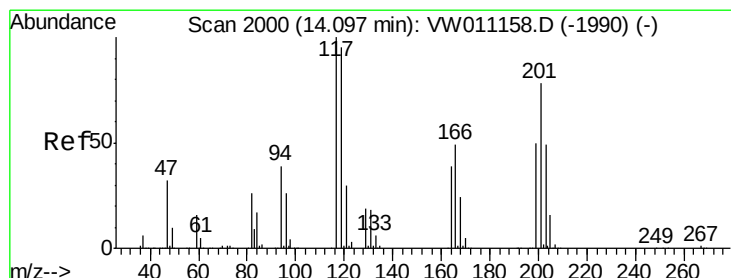
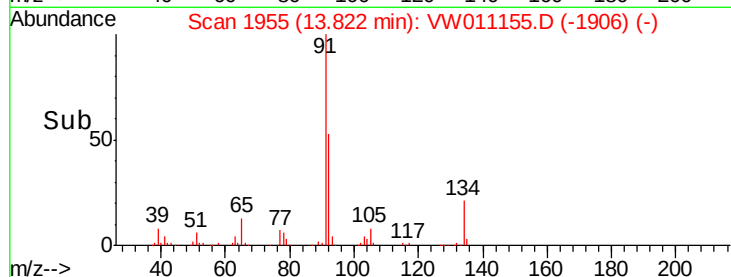
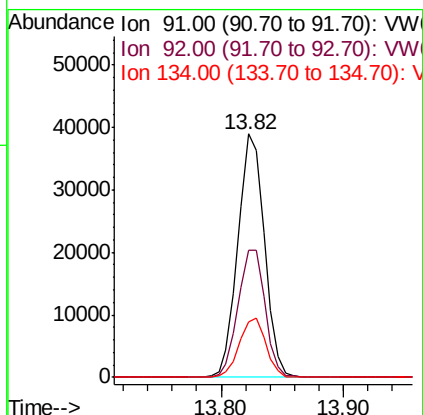
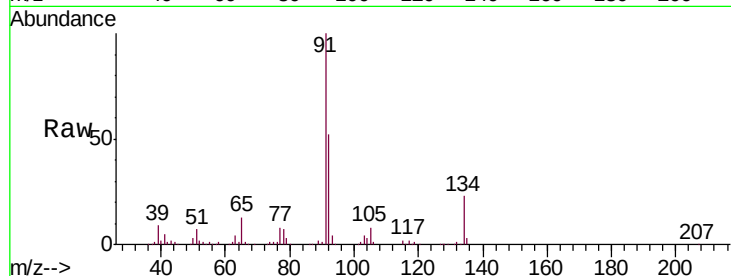




#89
n-Butylbenzene
Concen: 5.117 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

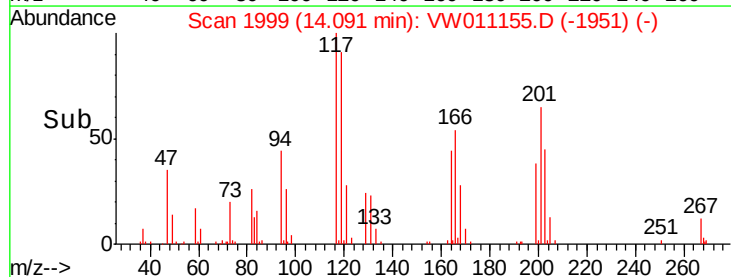
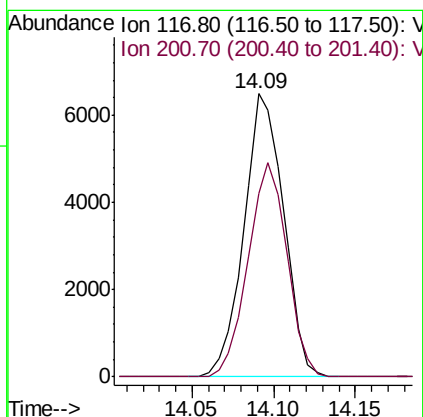
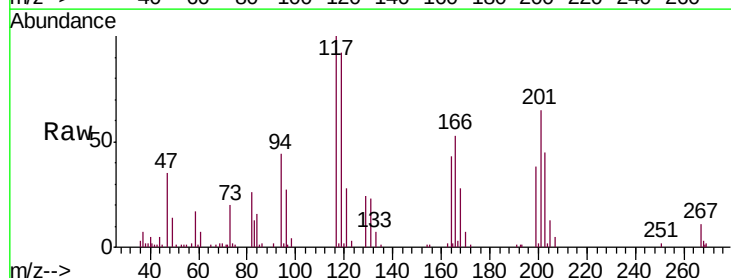
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

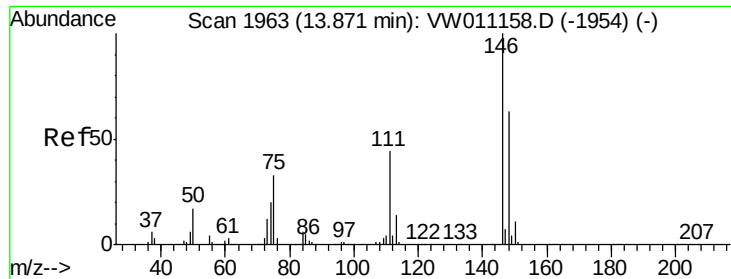
Tgt Ion: 91 Resp: 58602
Ion Ratio Lower Upper
91 100
92 53.5 26.9 80.7
134 24.4 12.2 36.4



#90
Hexachloroethane
Concen: 5.238 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion: 117 Resp: 10990
Ion Ratio Lower Upper
117 100
201 74.0 38.3 114.8

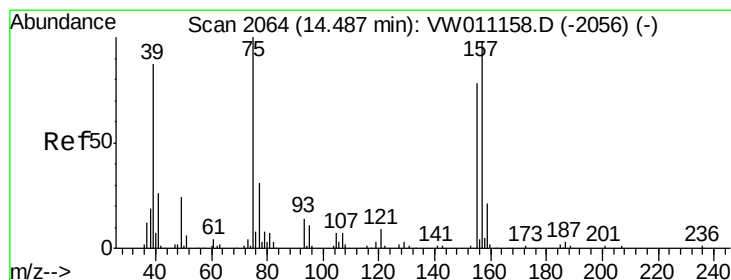
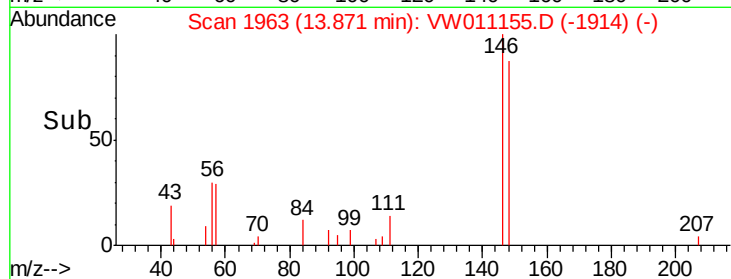
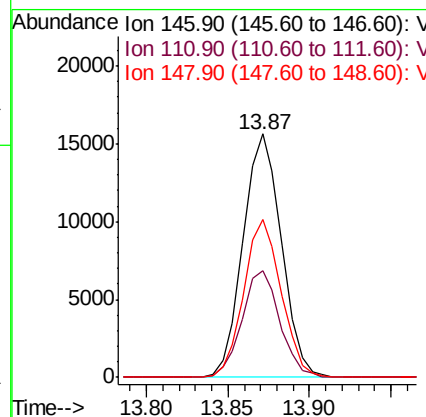
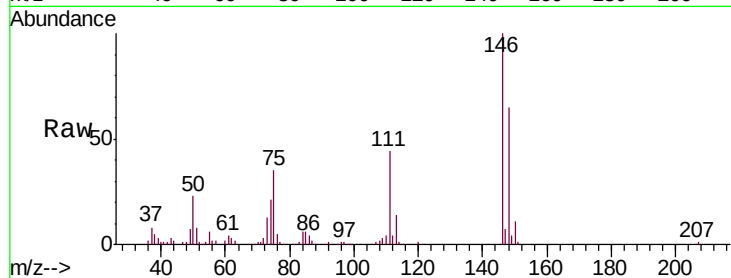




#91
 1,2-Dichlorobenzene
 Concen: 5.213 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

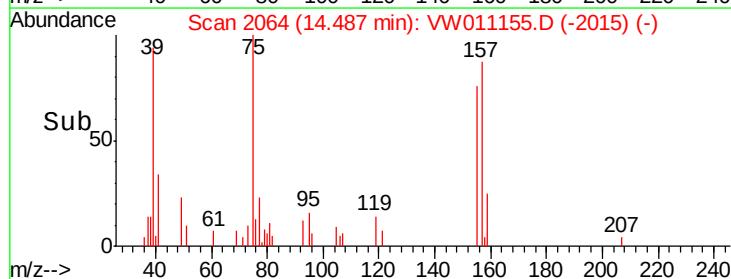
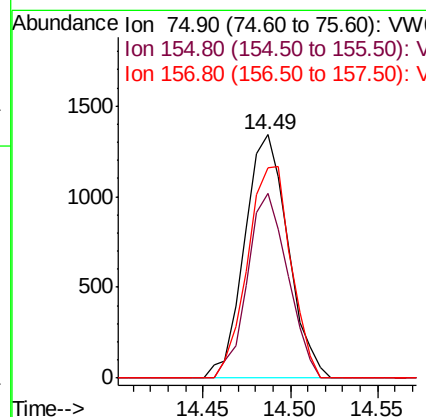
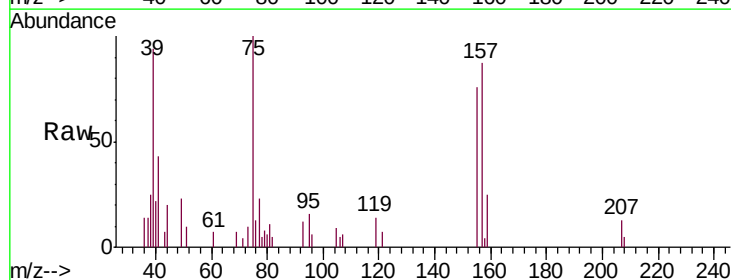
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

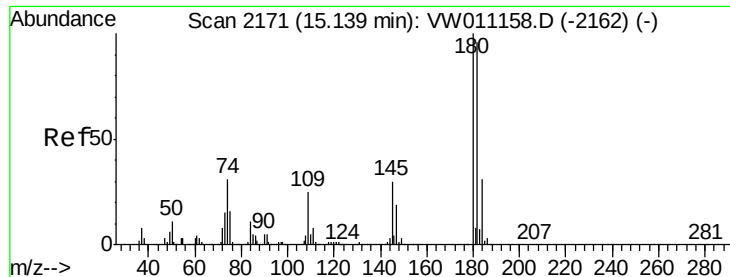
Tgt Ion: 146 Resp: 25566
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.6 65.0
 148 63.2 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.103 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion: 75 Resp: 2323
 Ion Ratio Lower Upper
 75 100
 155 70.3 37.1 111.3
 157 86.6 48.5 145.6





#93

1,2,4-Trichlorobenzene

Concen: 4.869 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

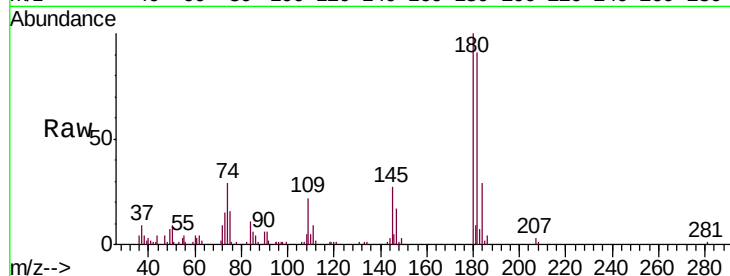
Tgt Ion:180 Resp: 16449

Ion Ratio Lower Upper

180 100

182 94.0 48.3 144.9

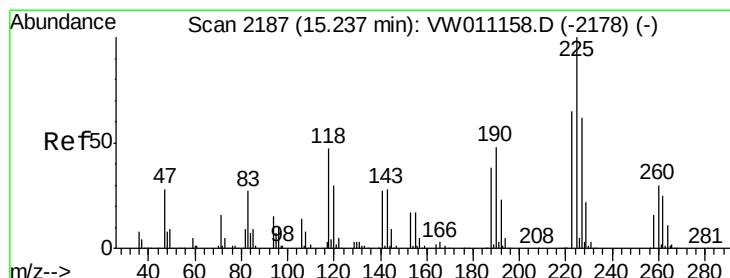
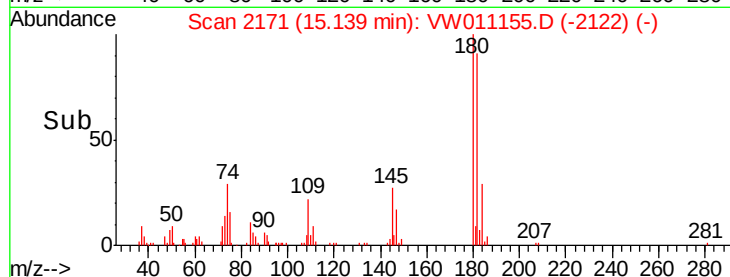
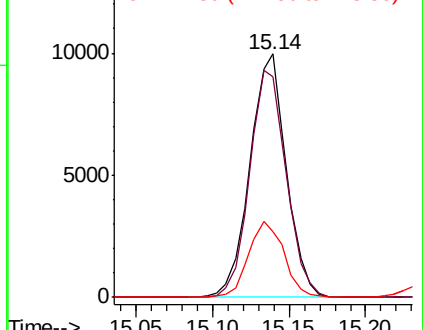
145 30.4 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 5.212 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

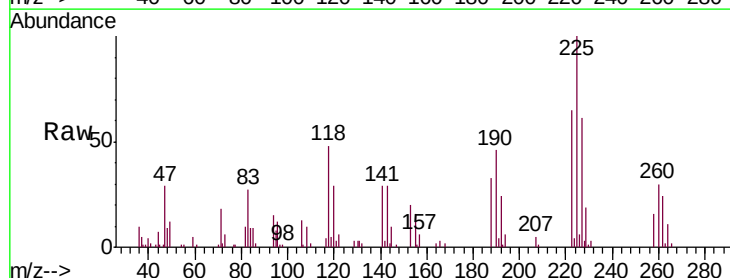
Tgt Ion:225 Resp: 10809

Ion Ratio Lower Upper

225 100

223 63.0 31.6 95.0

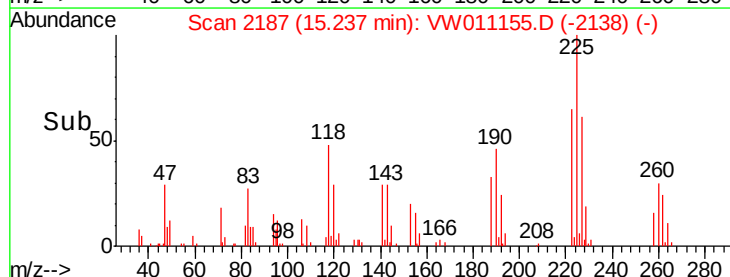
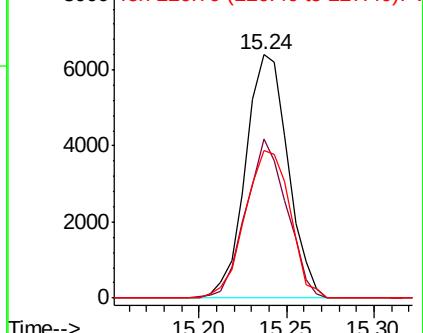
227 64.3 32.0 96.0

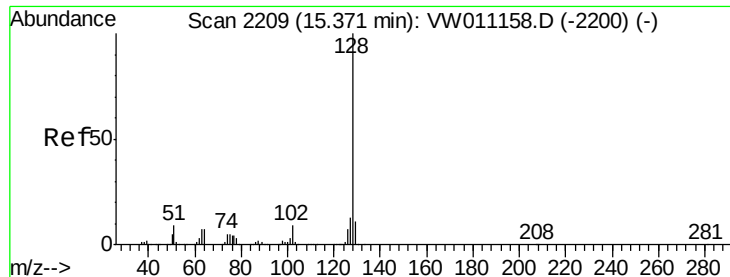


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

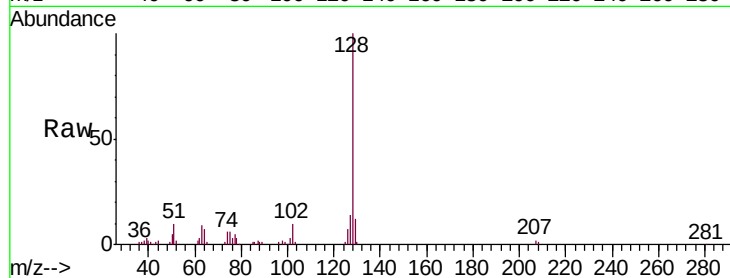




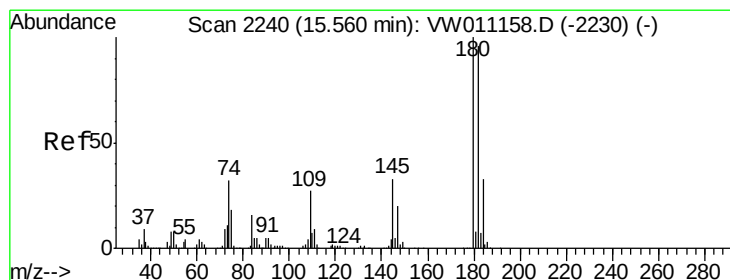
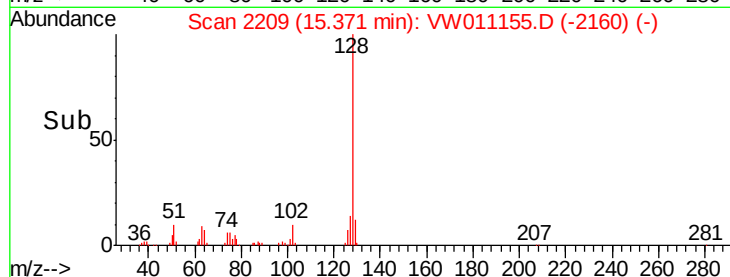
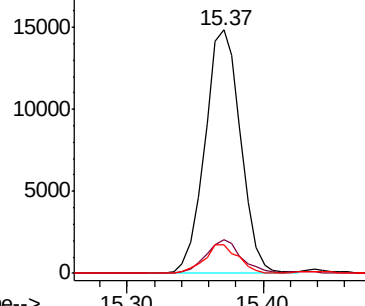
#95
Naphthalene
Concen: 4.208 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 27242
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 11.1 8.7 13.1

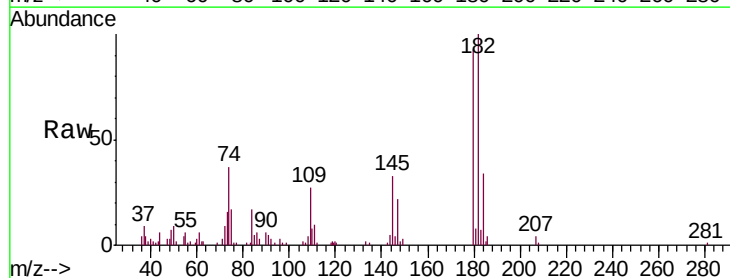


Abundance Ion 128.00 (127.70 to 128.70): V
20000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.668 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion:180 Resp: 13916
Ion Ratio Lower Upper
180 100
182 99.7 47.6 142.8
145 32.3 16.5 49.5



Abundance Ion 179.80 (179.50 to 180.50): V
10000 Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

