

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012124.D
 Acq On : 23 Aug 2019 09:19
 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: Aug 26 07:06:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:02:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	268949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	433856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	371058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	179665	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	17488	5.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.94%	
35) Dibromofluoromethane	7.88	113	14052	5.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.86%	
50) Toluene-d8	10.32	98	55256	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
62) 4-Bromofluorobenzene	12.62	95	20403	5.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.02%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	9168	5.536	ug/l 96
3) Chloromethane	2.21	50	14994	5.844	ug/l 96
4) Vinyl Chloride	2.36	62	17592	5.602	ug/l 99
5) Bromomethane	2.78	94	9168	5.765	ug/l 98
6) Chloroethane	2.92	64	9486	5.355	ug/l # 74
7) Trichlorofluoromethane	3.25	101	7451	4.725	ug/l 99
8) Diethyl Ether	3.68	74	7708	5.150	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14690	5.481	ug/l 97
10) Methyl Iodide	4.26	142	19185	5.290	ug/l 98
11) Tert butyl alcohol	5.18	59	4635	23.799	ug/l 97
12) 1,1-Dichloroethene	4.04	96	14454	5.358	ug/l 97
13) Acrolein	3.89	56	4578	25.277	ug/l 88
14) Allyl chloride	4.67	41	29168	5.058	ug/l 97
15) Acrylonitrile	5.37	53	18696	25.202	ug/l 99
16) Acetone	4.12	43	19081	23.348	ug/l 92
17) Carbon Disulfide	4.38	76	43711	5.361	ug/l 99
18) Methyl Acetate	4.67	43	10640	5.256	ug/l 97
19) Methyl tert-butyl Ether	5.42	73	22483	5.154	ug/l 99
20) Methylene Chloride	4.92	84	18907	6.120	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	14993	5.183	ug/l 98
22) Diisopropyl ether	6.31	45	53302	4.986	ug/l 93
23) Vinyl Acetate	6.26	43	153390	23.316	ug/l 99
24) 1,1-Dichloroethane	6.21	63	29904	5.138	ug/l 97
25) 2-Butanone	7.18	43	25409	22.879	ug/l 94
26) 2,2-Dichloropropane	7.16	77	18199	5.524	ug/l 100
27) cis-1,2-Dichloroethene	7.16	96	15569	5.037	ug/l 97
28) Bromochloromethane	7.51	49	14577	5.746	ug/l 99
29) Tetrahydrofuran	7.54	42	15191	22.799	ug/l 95
30) Chloroform	7.68	83	28454	5.343	ug/l 99
31) Cyclohexane	7.95	56	34903	6.061	ug/l # 85
32) 1,1,1-Trichloroethane	7.87	97	21944	5.209	ug/l 99
36) 1,1-Dichloropropene	8.09	75	23405	5.220	ug/l 98
37) Ethyl Acetate	7.25	43	12726	5.180	ug/l 98
38) Carbon Tetrachloride	8.07	117	19665	5.068	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012124.D
 Acq On : 23 Aug 2019 09:19
 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: Aug 26 07:06:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:02:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	26089	5.180	ug/l	98
40) Benzene	8.32	78	63587	5.194	ug/l	94
41) Methacrylonitrile	7.48	41	6087	4.215	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	19614	5.112	ug/l	97
43) Isopropyl Acetate	8.43	43	21985	4.831	ug/l	100
44) Trichloroethene	9.09	130	15459	5.194	ug/l	92
45) 1,2-Dichloropropane	9.37	63	16885	5.125	ug/l	100
46) Dibromomethane	9.46	93	7629	5.204	ug/l	97
47) Bromodichloromethane	9.64	83	19295	4.946	ug/l	96
48) Methyl methacrylate	9.44	41	9921	4.580	ug/l	96
49) 1,4-Dioxane	9.46	88	2016	89.832	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	54751	23.654	ug/l	96
52) Toluene	10.39	92	37249	5.065	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	18213	4.583	ug/l	90
54) cis-1,3-Dichloropropene	10.07	75	22382	4.664	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	10234	4.934	ug/l	97
56) Ethyl methacrylate	10.65	69	13551	4.489	ug/l	97
57) 1,3-Dichloropropane	10.93	76	19197	4.898	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	35836	23.131	ug/l	100
59) 2-Hexanone	10.97	43	36239	22.127	ug/l	99
60) Dibromochloromethane	11.13	129	11122	4.814	ug/l	97
61) 1,2-Dibromoethane	11.23	107	9460	4.896	ug/l	100
64) Tetrachloroethene	10.87	164	12386	5.149	ug/l	95
65) Chlorobenzene	11.66	112	37556	5.140	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	12476	4.895	ug/l	96
67) Ethyl Benzene	11.73	91	71209	5.059	ug/l	97
68) m/p-Xylenes	11.84	106	51045	10.068	ug/l	99
69) o-Xylene	12.16	106	22769	4.852	ug/l	100
70) Styrene	12.18	104	39497	4.863	ug/l	98
71) Bromoform	12.35	173	6012	4.734	ug/l #	99
73) Isopropylbenzene	12.46	105	65903	4.895	ug/l	100
74) N-amyl acetate	12.27	43	17686	4.348	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	12138	4.918	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	16188	9.351	ug/l #	100
77) Bromobenzene	12.74	156	14693	5.045	ug/l	99
78) n-propylbenzene	12.80	91	80276	4.884	ug/l	98
79) 2-Chlorotoluene	12.89	91	47182	5.057	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	54871	4.878	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	3301	4.136	ug/l	87
82) 4-Chlorotoluene	12.99	91	49820	5.099	ug/l	99
83) tert-Butylbenzene	13.21	119	46670	4.898	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	56274	4.980	ug/l	99
85) sec-Butylbenzene	13.38	105	69246	5.072	ug/l	99
86) p-Isopropyltoluene	13.50	119	60828	4.989	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	29228	5.131	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	29580	5.229	ug/l	93
89) n-Butylbenzene	13.82	91	59415	4.900	ug/l	99
90) Hexachloroethane	14.09	117	10659	4.983	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	25406	5.084	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2028	4.874	ug/l	94

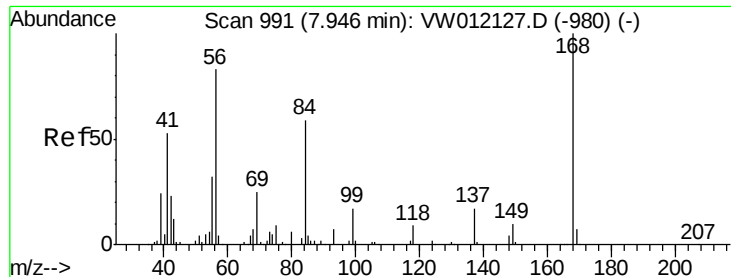
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
Data File : VW012124.D
Acq On : 23 Aug 2019 09:19
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Aug 26 07:06:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:02:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	16469	4.769	ug/l	97
94) Hexachlorobutadiene	15.24	225	11853	5.198	ug/l	98
95) Naphthalene	15.37	128	24117	3.988	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	14161	4.700	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

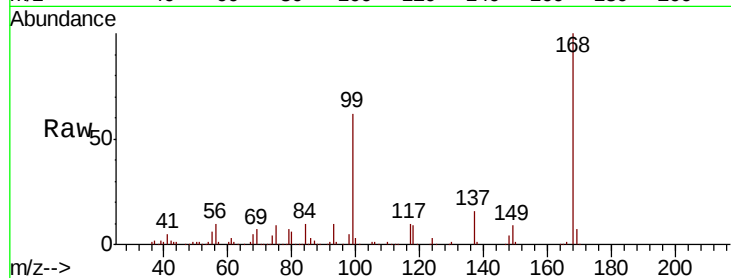
VSTDIC005

Tgt Ion:168 Resp: 268949

Ion Ratio Lower Upper

168 100

99 62.1 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

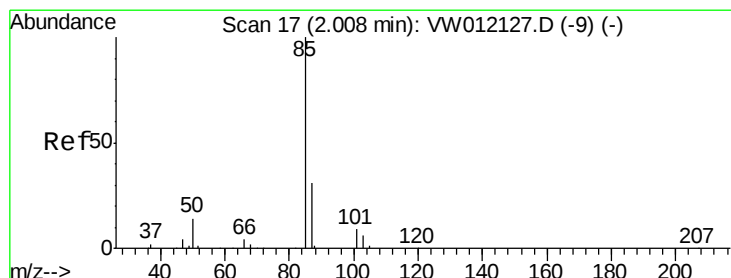
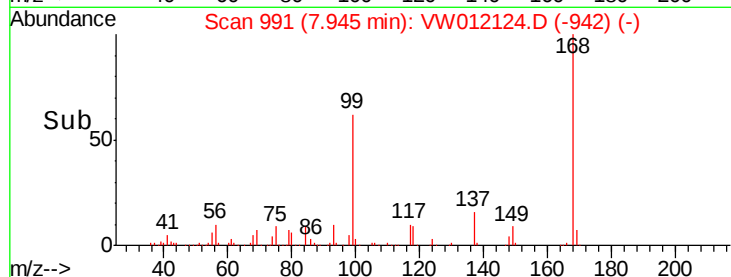
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 5.536 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012124.D

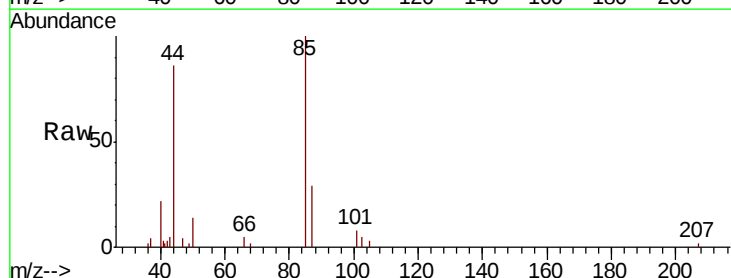
Acq: 23 Aug 2019 09:19

Tgt Ion: 85 Resp: 9168

Ion Ratio Lower Upper

85 100

87 29.2 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

4000

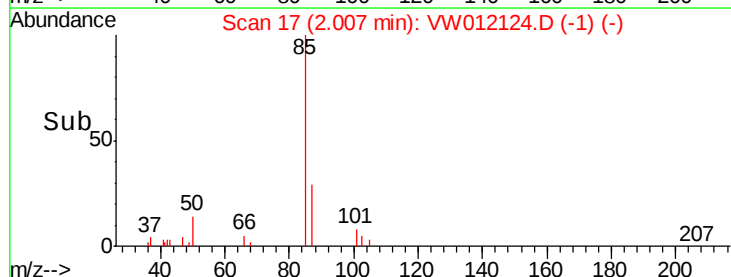
3000

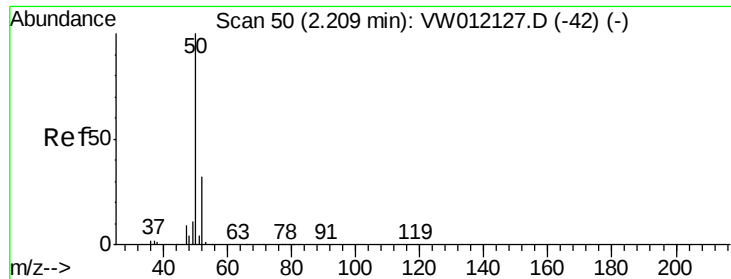
2000

1000

0

Time--> 1.95 2.00 2.05 2.10 2.15





#3

Chloromethane

Concen: 5.844 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

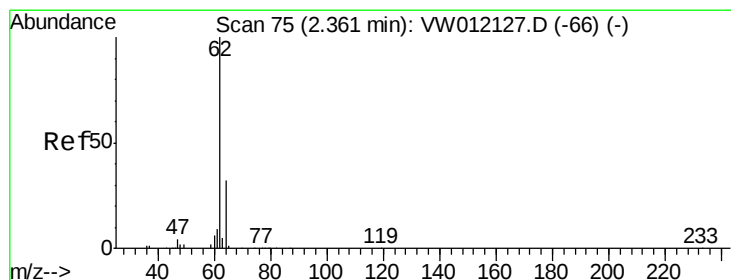
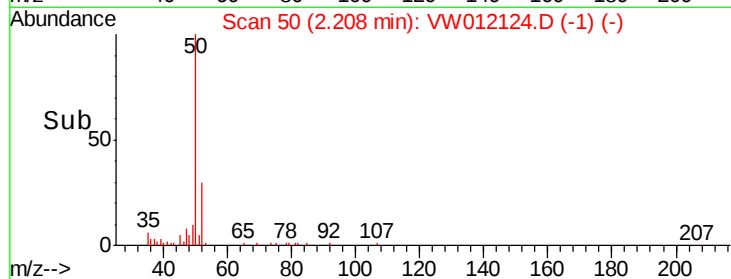
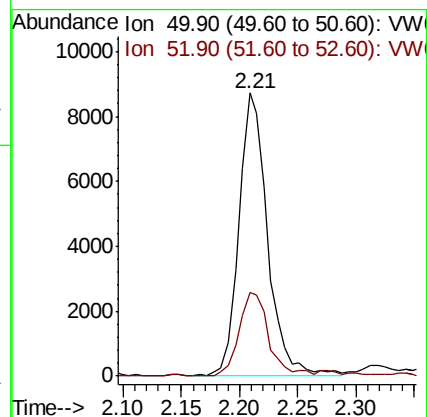
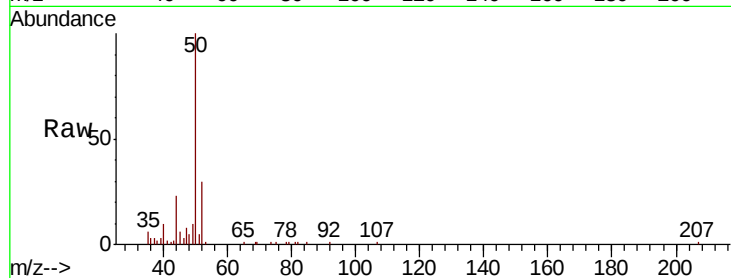
VSTDIC005

Tgt Ion: 50 Resp: 14994

Ion Ratio Lower Upper

50 100

52 29.6 25.5 38.3



#4

Vinyl Chloride

Concen: 5.602 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012124.D

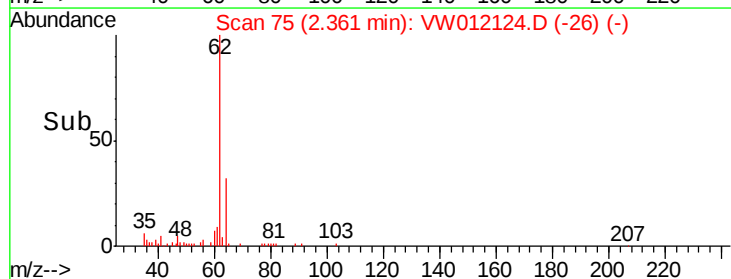
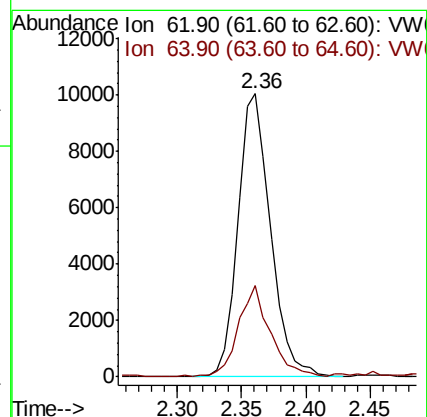
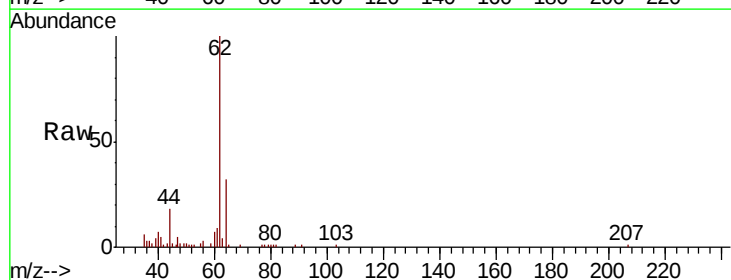
Acq: 23 Aug 2019 09:19

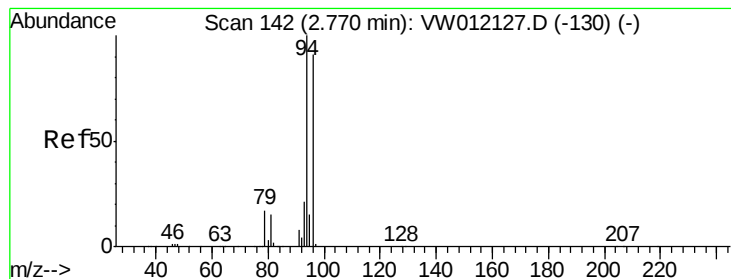
Tgt Ion: 62 Resp: 17592

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9





#5

Bromomethane

Concen: 5.765 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

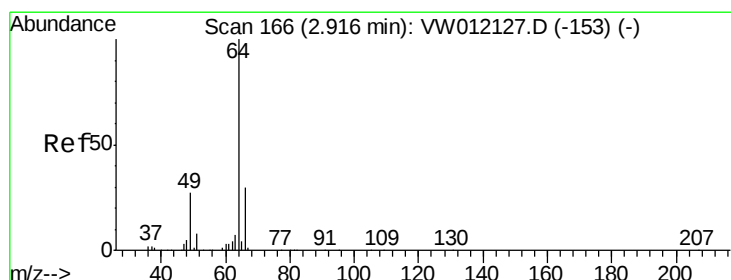
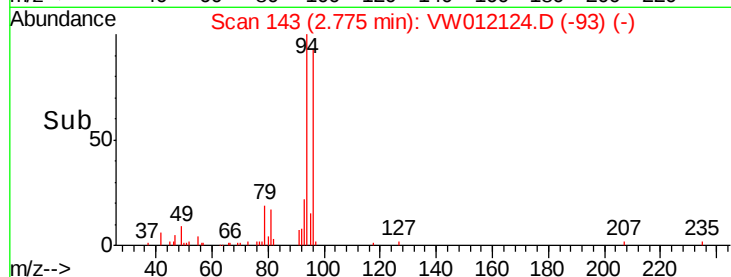
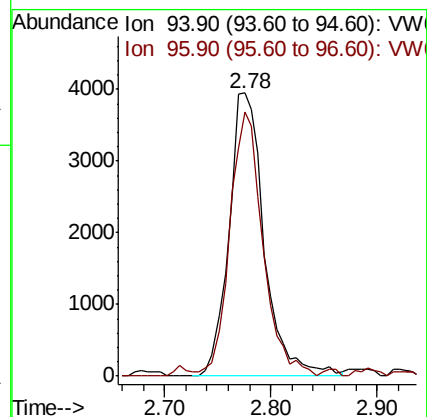
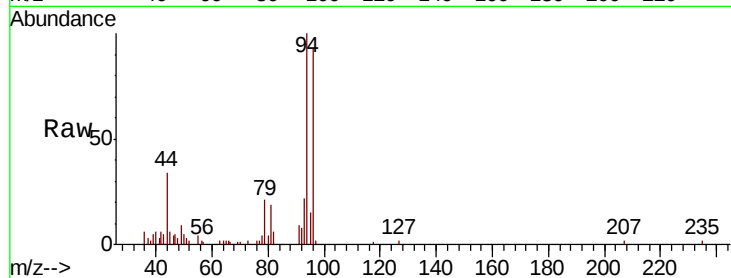
VSTDIC005

Tgt Ion: 94 Resp: 9168

Ion Ratio Lower Upper

94 100

96 93.4 72.9 109.3



#6

Chloroethane

Concen: 5.355 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012124.D

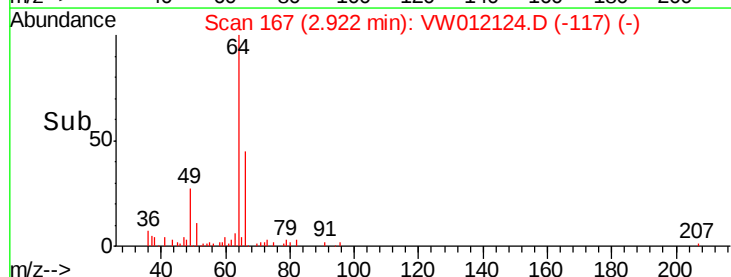
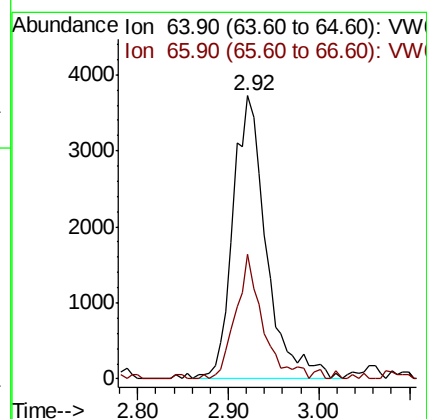
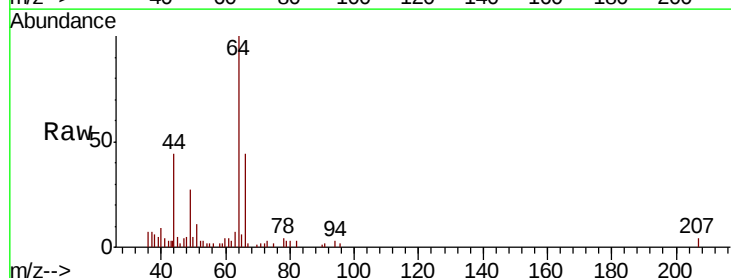
Acq: 23 Aug 2019 09:19

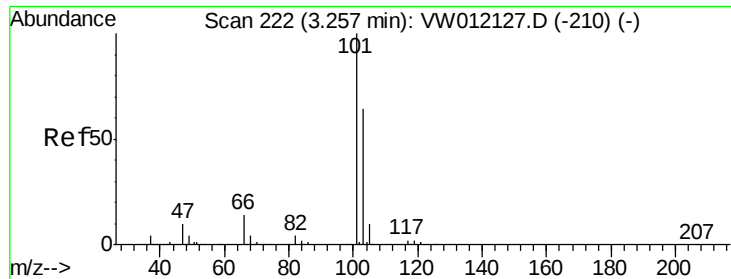
Tgt Ion: 64 Resp: 9486

Ion Ratio Lower Upper

64 100

66 44.1 23.8 35.8#



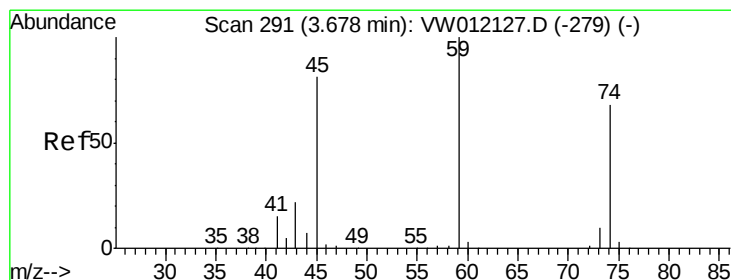
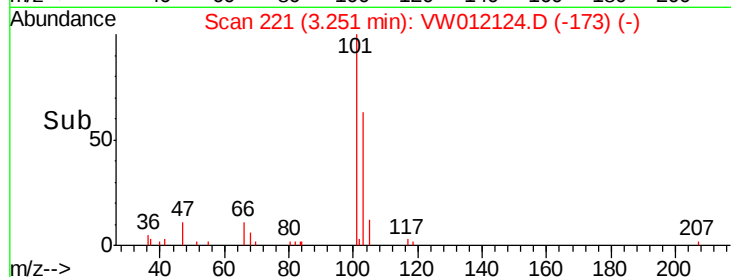
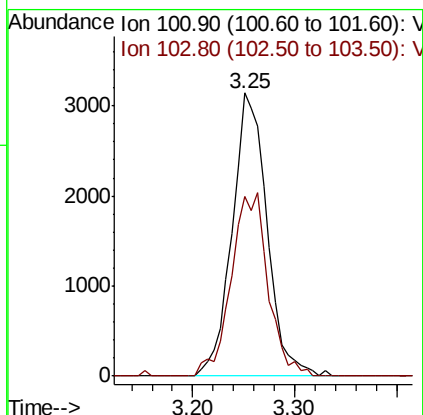
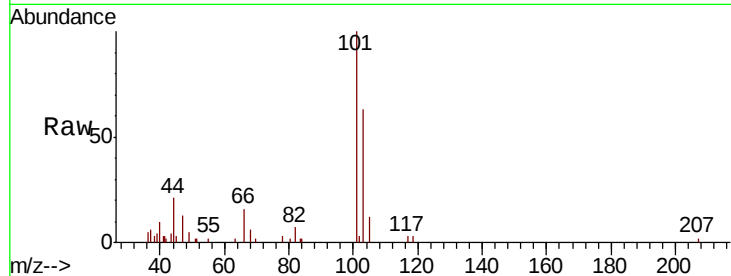


#7

Trichlorofluoromethane
 Concen: 4.725 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

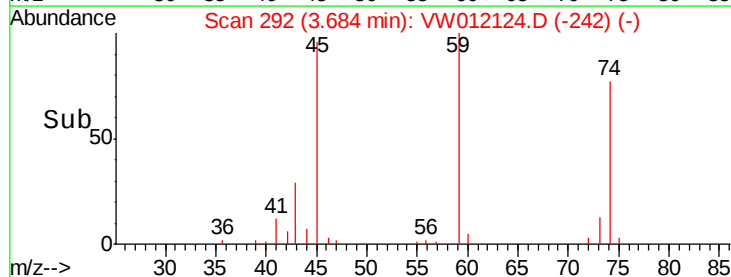
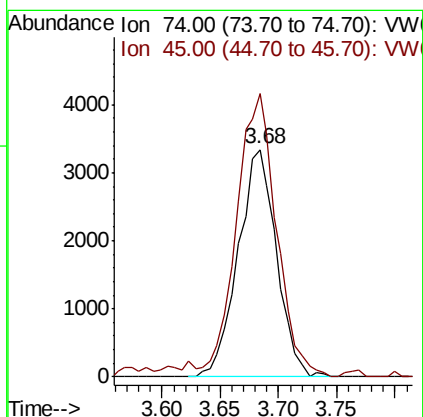
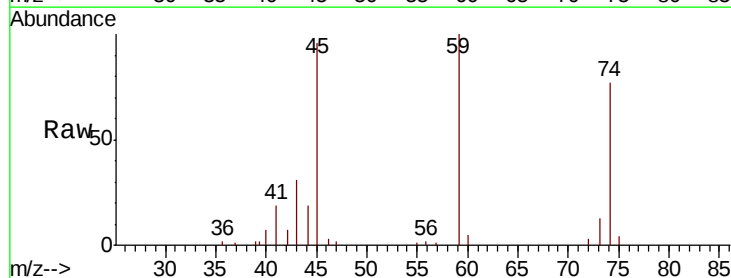
Tgt Ion:101 Resp: 7451
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.2 76.8

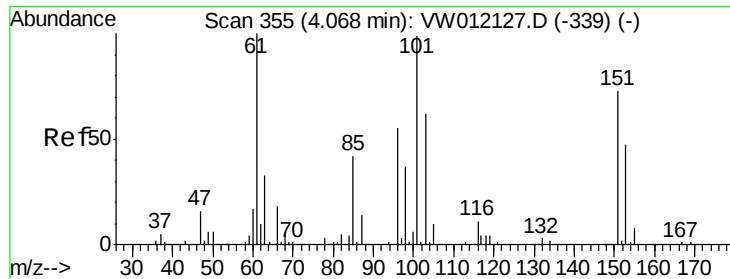


#8

Diethyl Ether
 Concen: 5.150 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

Tgt Ion: 74 Resp: 7708
 Ion Ratio Lower Upper
 74 100
 45 129.6 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.481 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

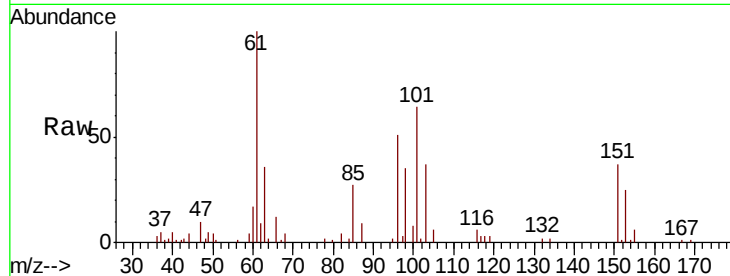
Tgt Ion:101 Resp: 14690

Ion Ratio Lower Upper

101 100

85 41.7 35.8 53.6

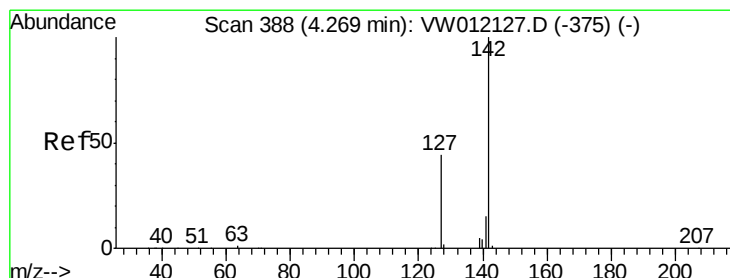
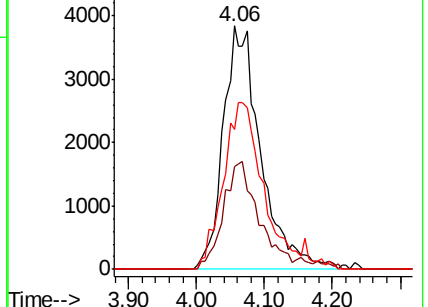
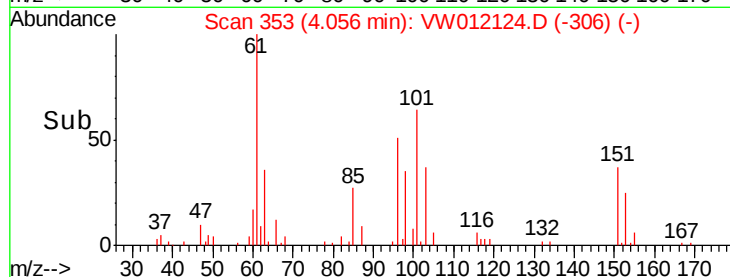
151 72.0 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.290 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

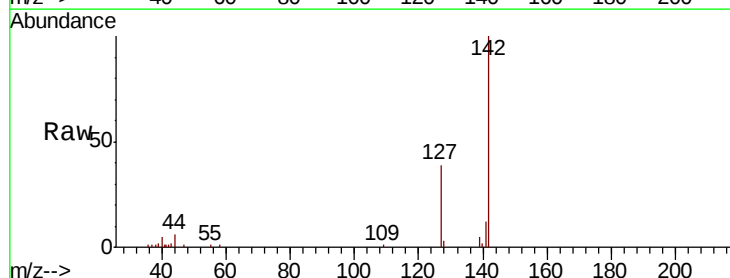
Tgt Ion:142 Resp: 19185

Ion Ratio Lower Upper

142 100

127 43.1 35.5 53.3

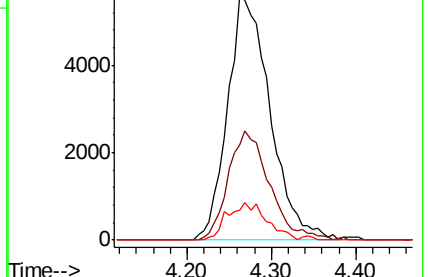
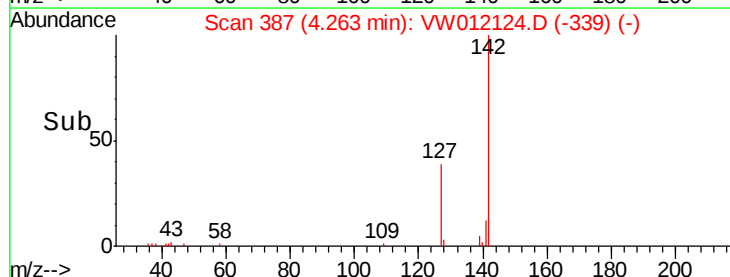
141 14.0 11.8 17.8

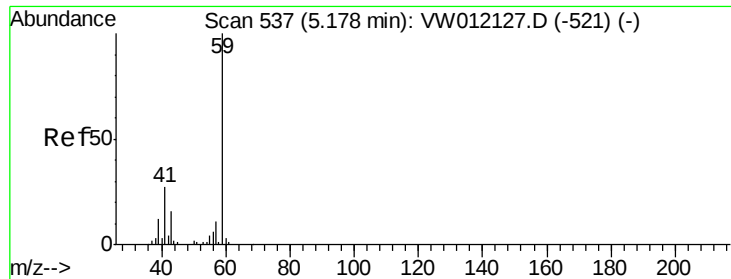


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



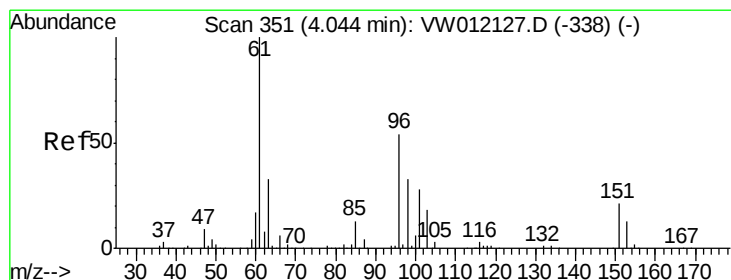
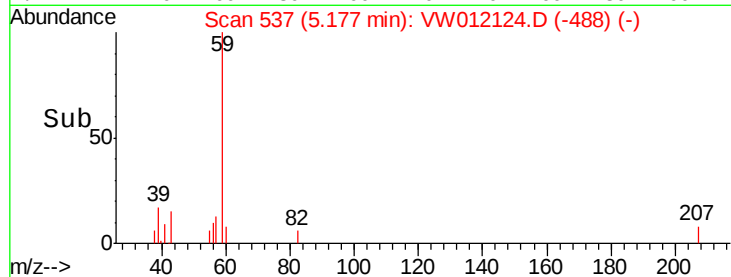
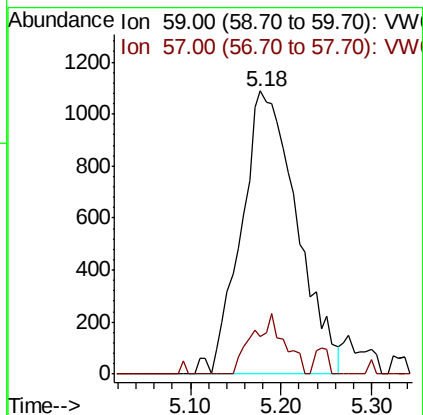
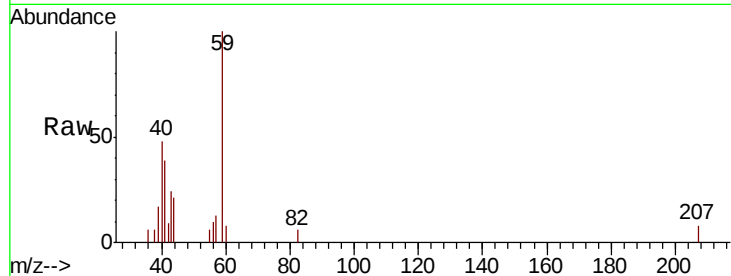


#11

Tert butyl alcohol
Concen: 23.799 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

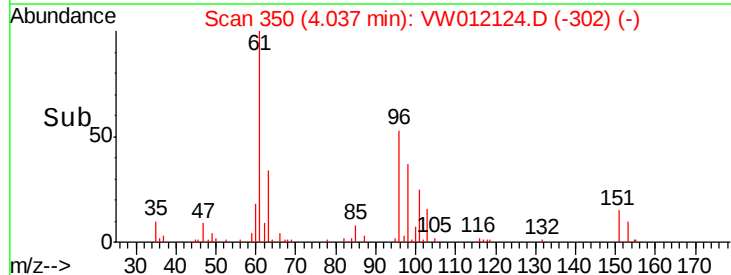
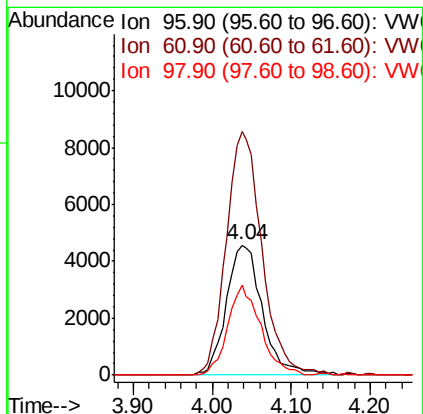
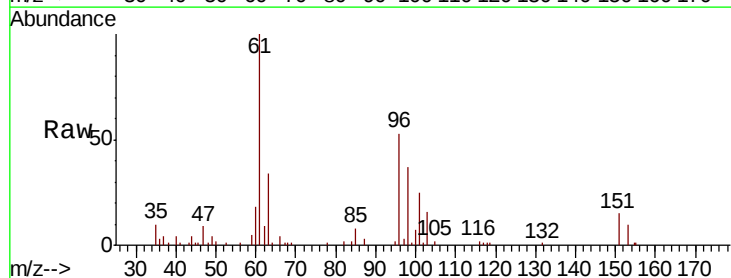
Tgt Ion: 59 Resp: 4635
Ion Ratio Lower Upper
59 100
57 12.2 9.0 13.4

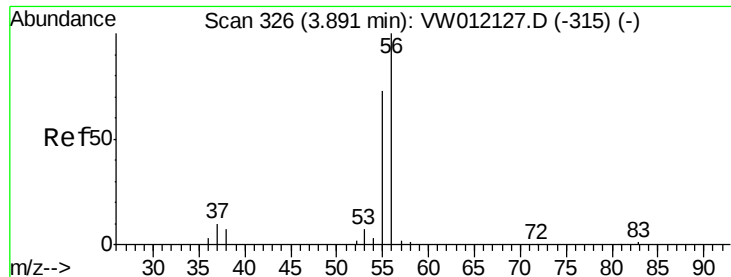


#12

1,1-Dichloroethene
Concen: 5.358 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Tgt Ion: 96 Resp: 14454
Ion Ratio Lower Upper
96 100
61 187.5 149.1 223.7
98 68.8 49.4 74.2





#13

Acrolein

Concen: 25.277 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

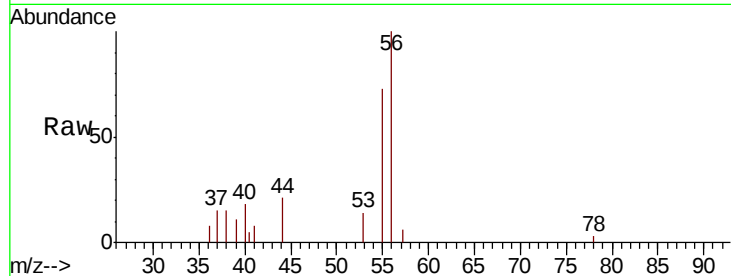
VSTDIC005

Tgt Ion: 56 Resp: 4578

Ion Ratio Lower Upper

56 100

55 79.3 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

2000

1500

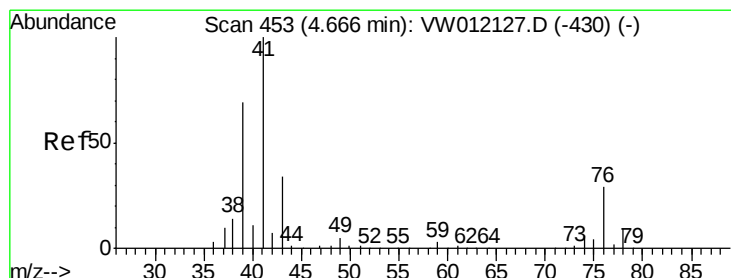
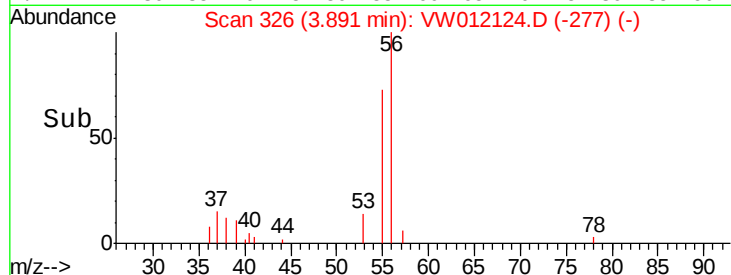
1000

500

0

3.80 3.85 3.90 3.95

Time-->



#14

Allyl chloride

Concen: 5.058 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

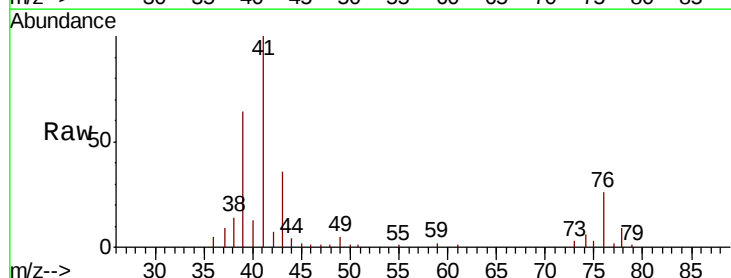
Tgt Ion: 41 Resp: 29168

Ion Ratio Lower Upper

41 100

39 70.2 53.4 80.2

76 27.6 22.1 33.1



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

4.67

12000

10000

8000

6000

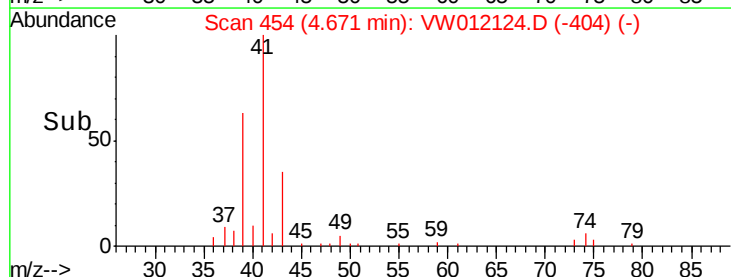
4000

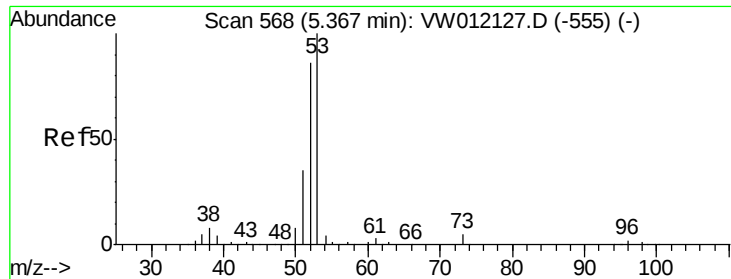
2000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 25.202 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

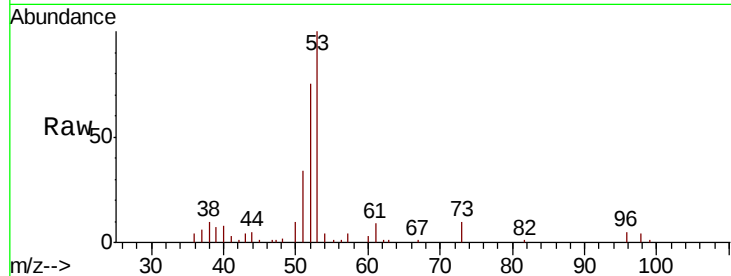
Tgt Ion: 53 Resp: 18696

Ion Ratio Lower Upper

53 100

52 84.1 66.7 100.1

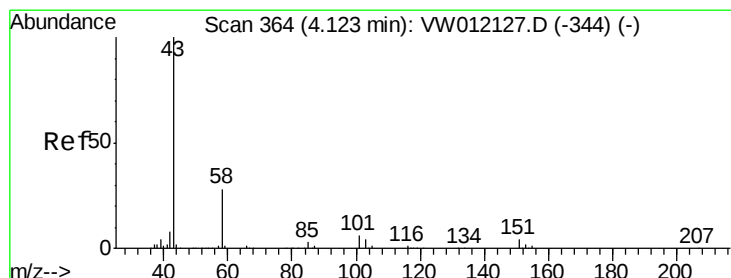
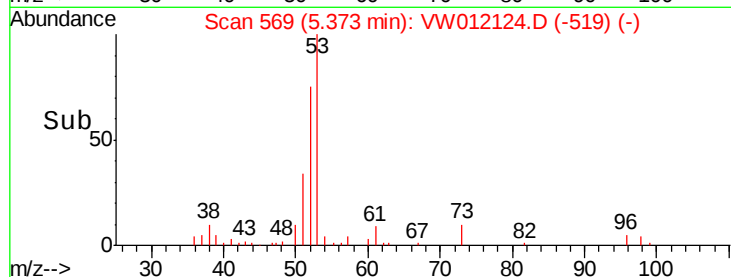
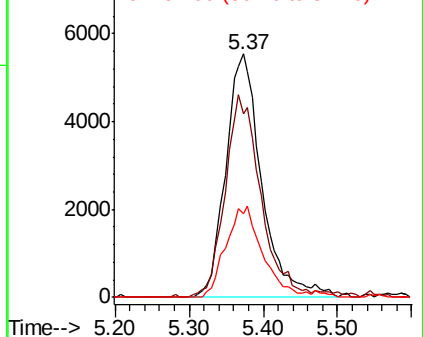
51 37.5 30.1 45.1



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: 23.348 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012124.D

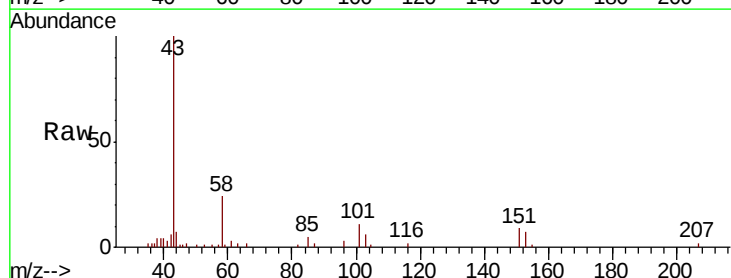
Acq: 23 Aug 2019 09:19

Tgt Ion: 43 Resp: 19081

Ion Ratio Lower Upper

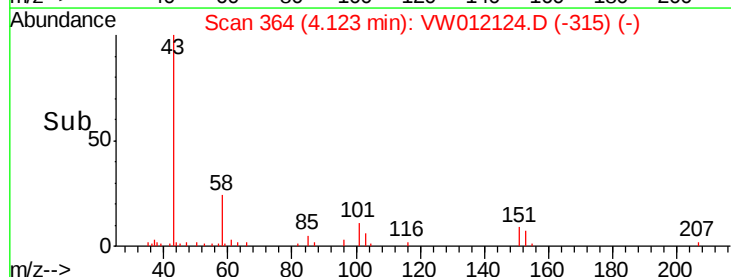
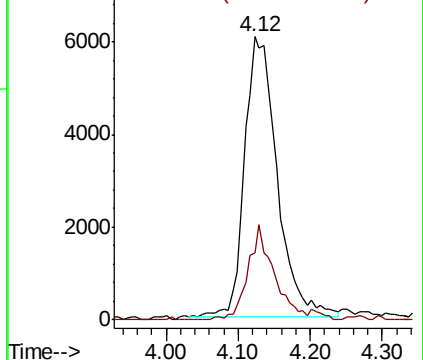
43 100

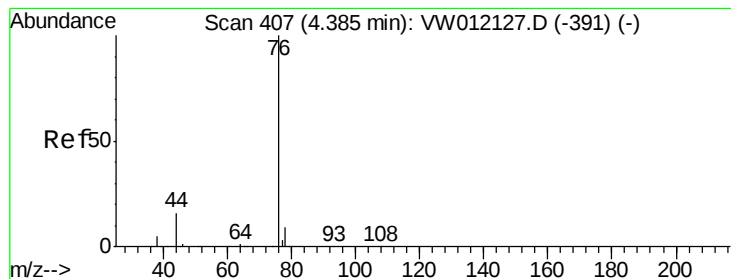
58 24.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 5.361 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

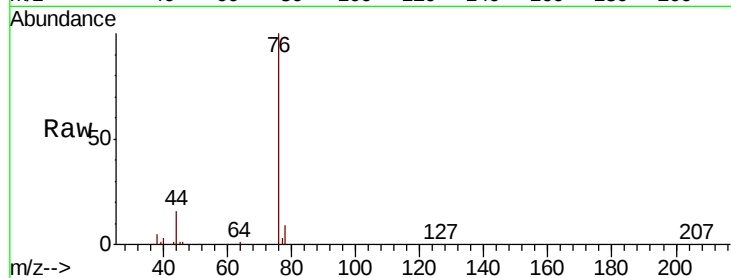
VSTDIC005

Tgt Ion: 76 Resp: 43711

Ion Ratio Lower Upper

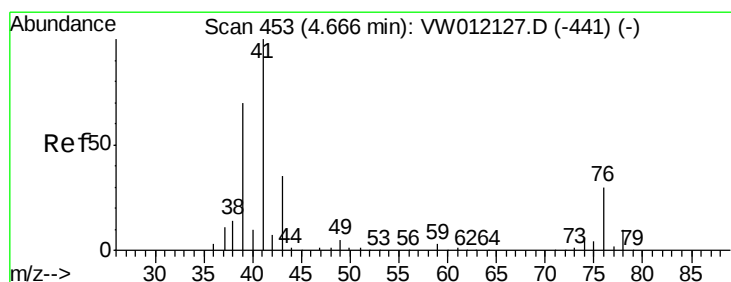
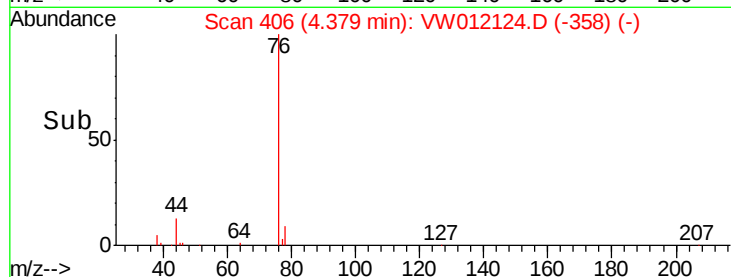
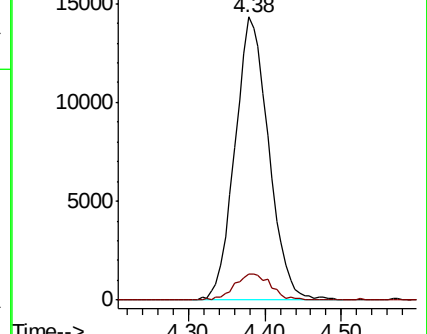
76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 5.256 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012124.D

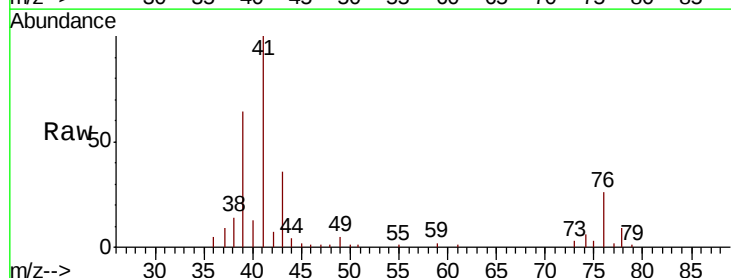
Acq: 23 Aug 2019 09:19

Tgt Ion: 43 Resp: 10640

Ion Ratio Lower Upper

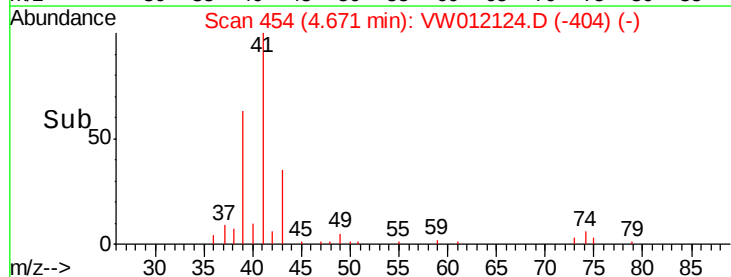
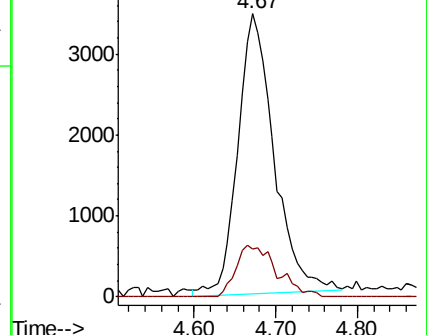
43 100

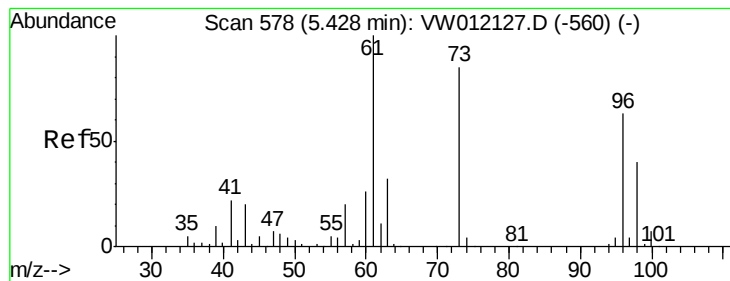
74 20.9 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

Methyl tert-butyl Ether

Concen: 5.154 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

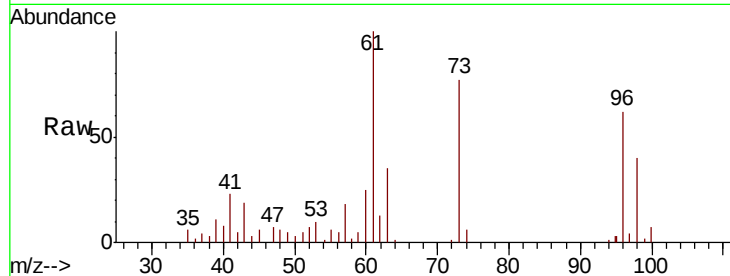
VSTDIC005

Tgt Ion: 73 Resp: 22483

Ion Ratio Lower Upper

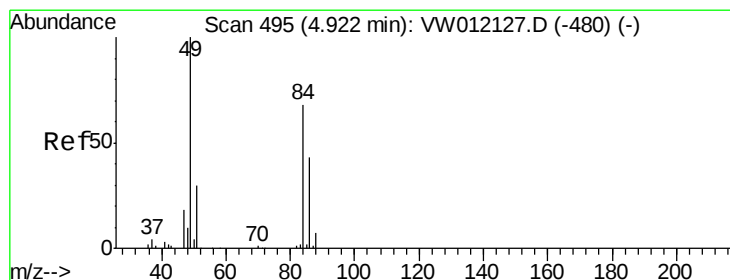
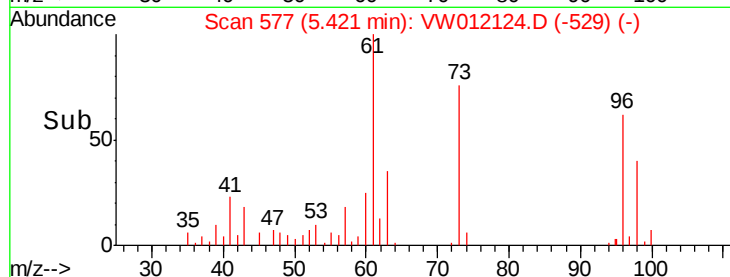
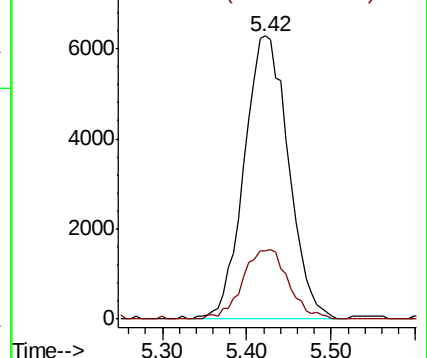
73 100

57 24.0 18.9 28.3



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 6.120 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Tgt Ion: 84 Resp: 18907

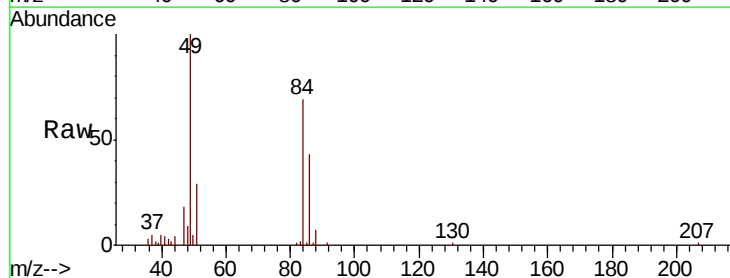
Ion Ratio Lower Upper

84 100

49 143.3 117.8 176.8

51 41.9 35.6 53.4

86 62.0 51.2 76.8

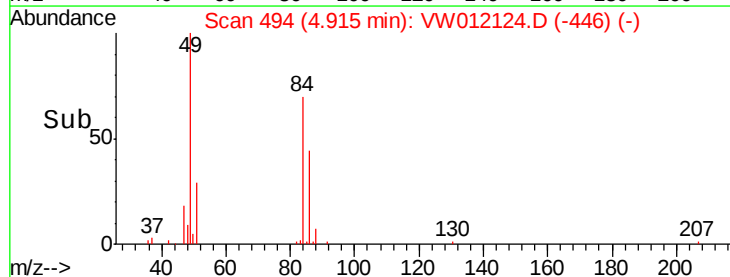
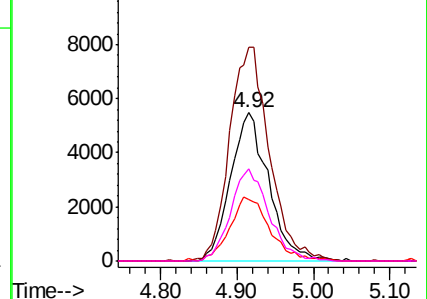


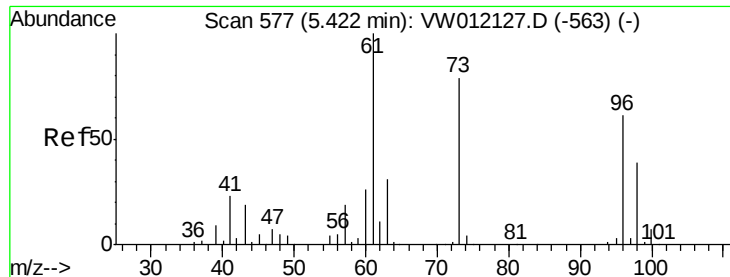
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 5.183 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

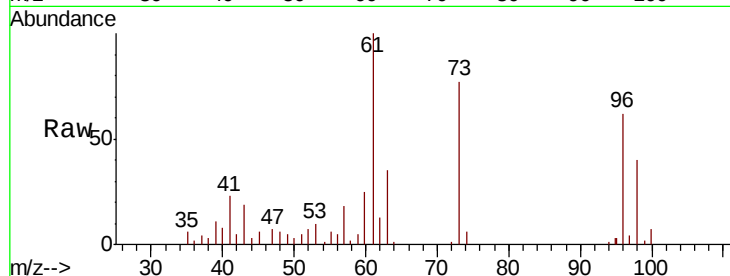
Tgt Ion: 96 Resp: 14993

Ion Ratio Lower Upper

96 100

61 160.5 131.4 197.0

98 64.7 51.4 77.0

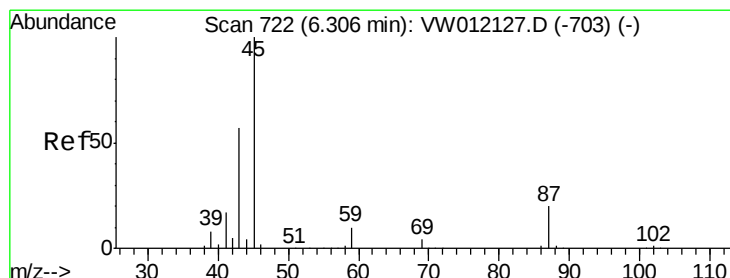
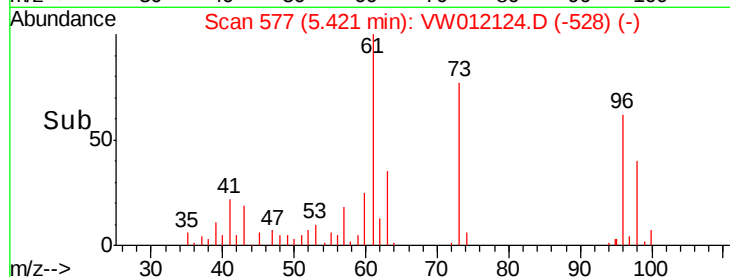
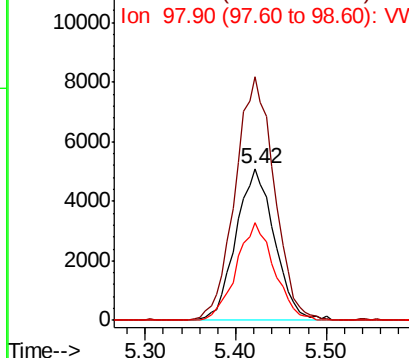


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 4.986 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Tgt Ion: 45 Resp: 53302

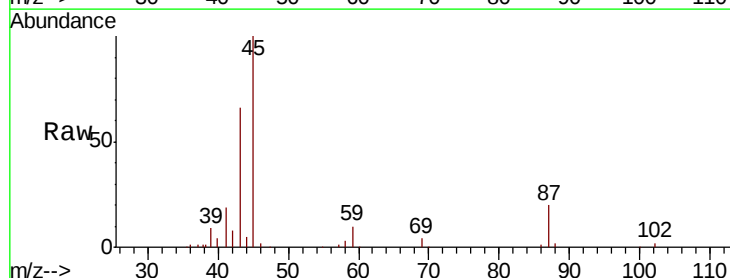
Ion Ratio Lower Upper

45 100

43 64.3 45.5 68.3

87 19.7 16.1 24.1

59 10.4 8.2 12.2



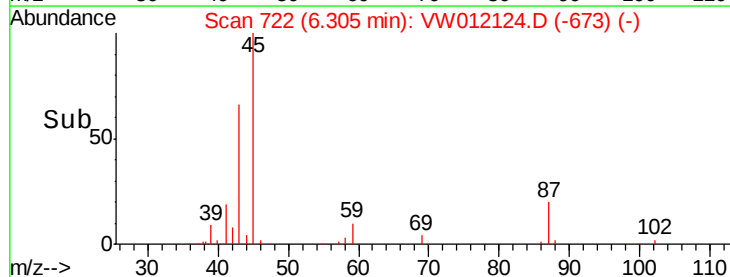
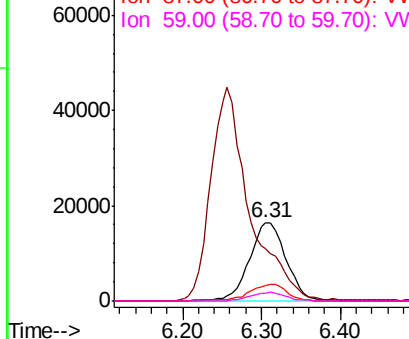
Abundance

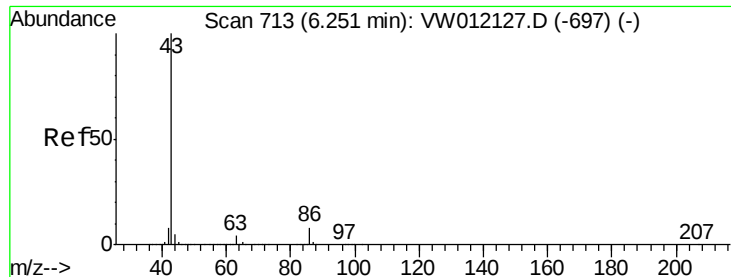
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 23.316 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

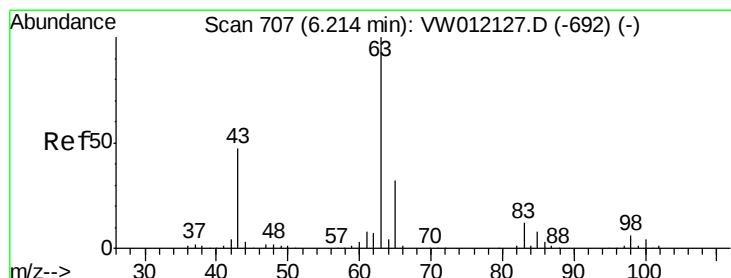
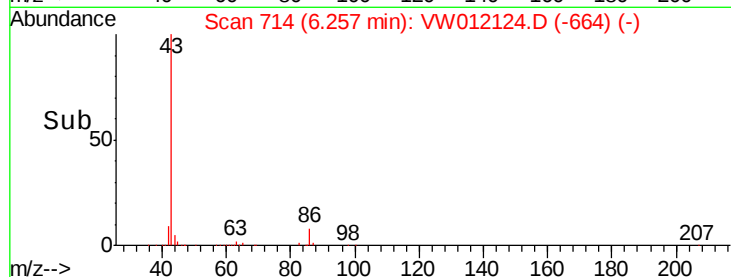
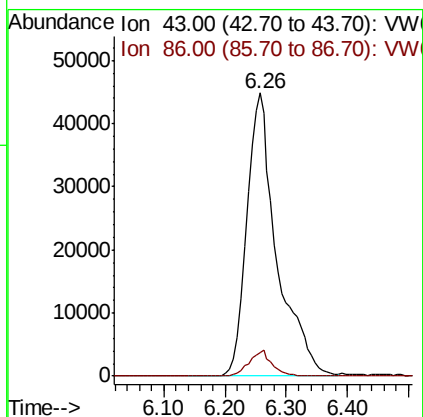
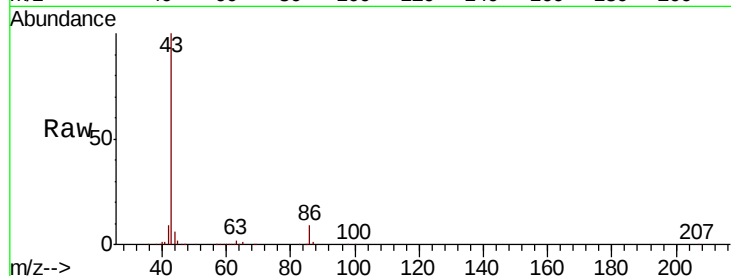
VSTDIC005

Tgt Ion: 43 Resp: 153390

Ion Ratio Lower Upper

43 100

86 8.5 6.5 9.7



#24

1,1-Dichloroethane

Concen: 5.138 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

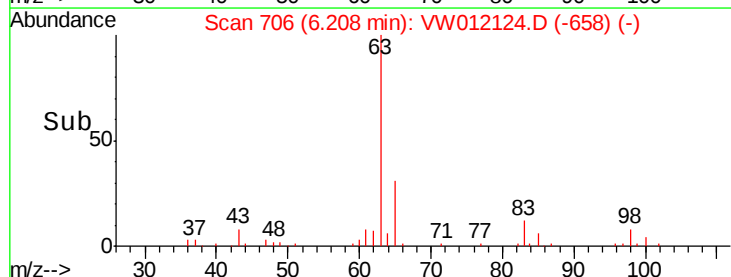
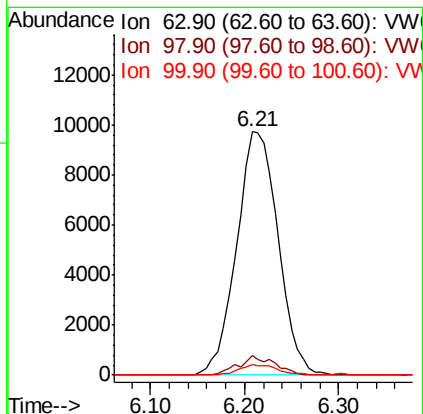
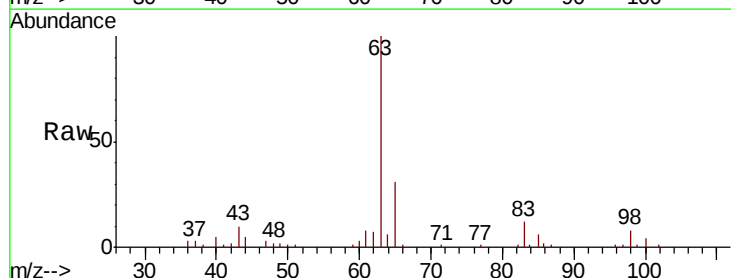
Tgt Ion: 63 Resp: 29904

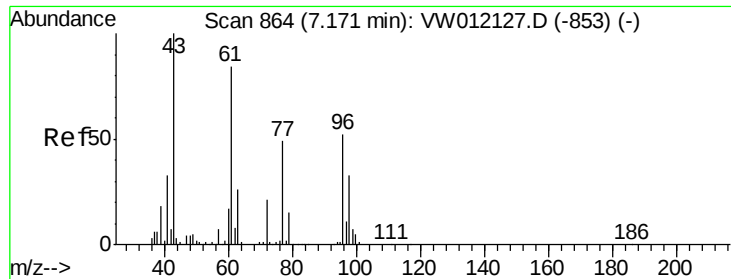
Ion Ratio Lower Upper

63 100

98 7.9 3.0 9.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 22.879 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

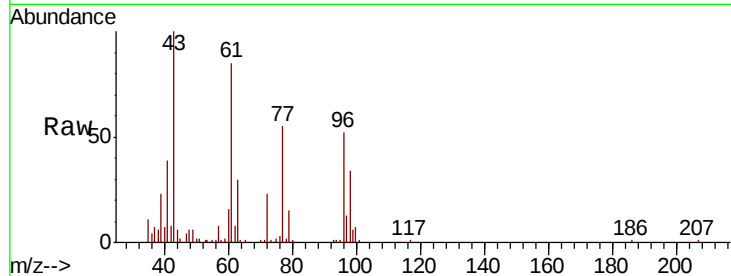
VSTDIC005

Tgt Ion: 43 Resp: 25409

Ion Ratio Lower Upper

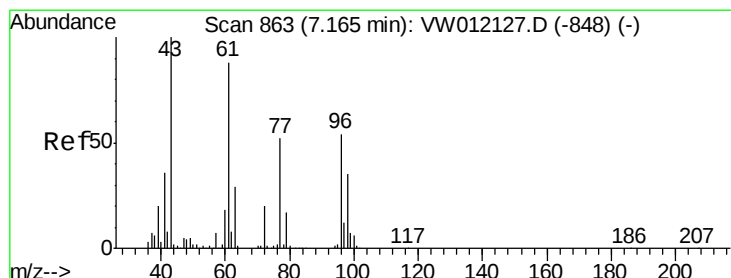
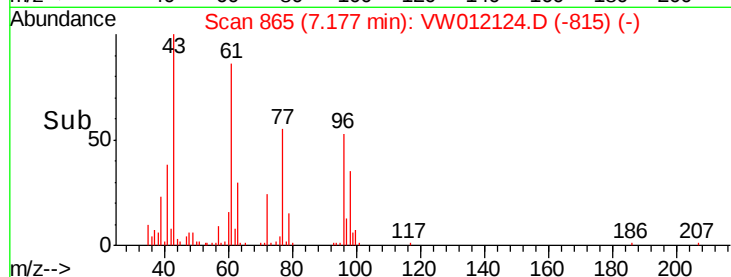
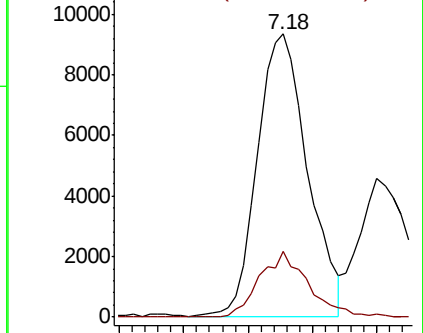
43 100

72 23.4 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 5.524 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012124.D

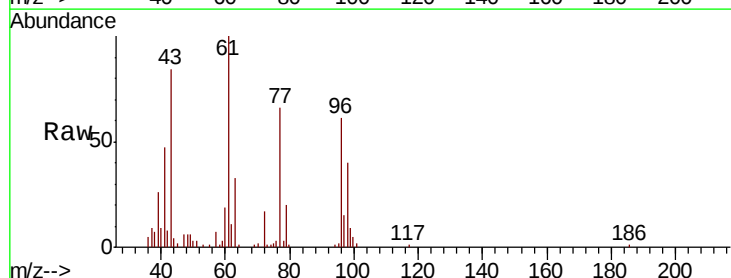
Acq: 23 Aug 2019 09:19

Tgt Ion: 77 Resp: 18199

Ion Ratio Lower Upper

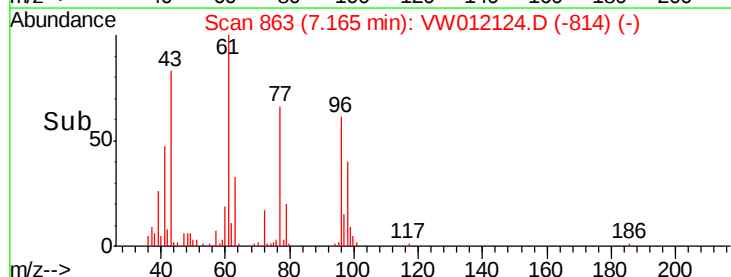
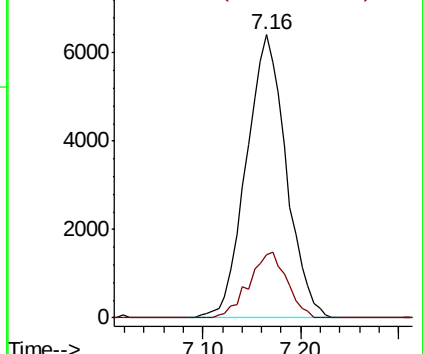
77 100

97 22.1 11.1 33.1



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



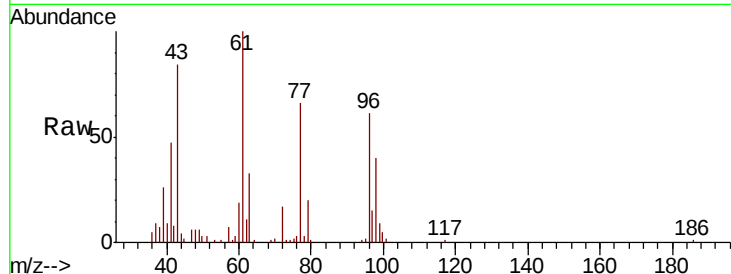


#27

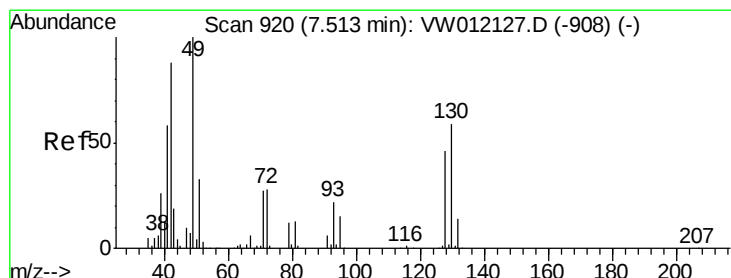
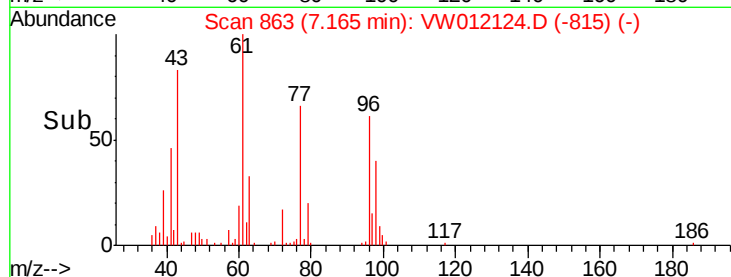
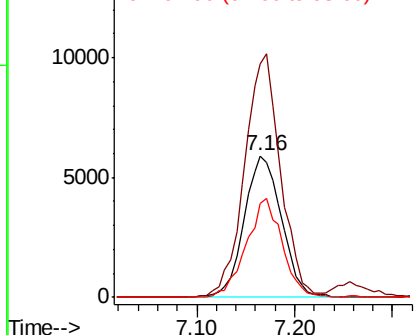
cis-1,2-Dichloroethene
Concen: 5.037 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 15569
Ion Ratio Lower Upper
96 100
61 165.8 0.0 326.6
98 67.0 0.0 127.4



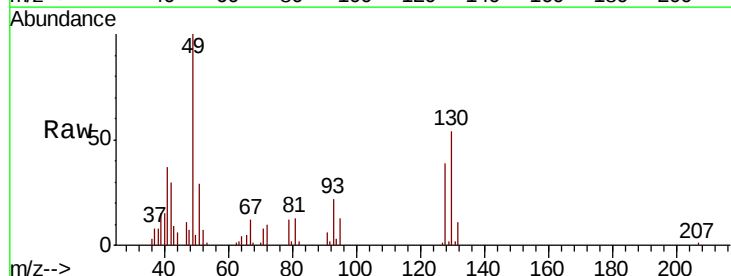
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



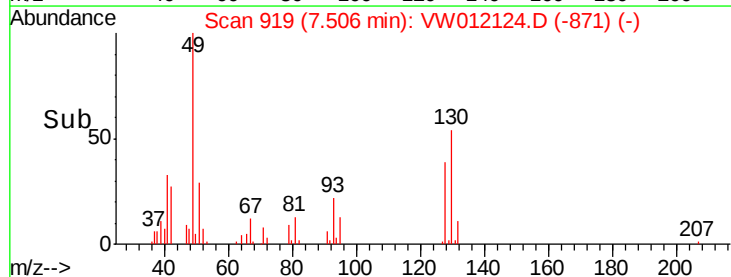
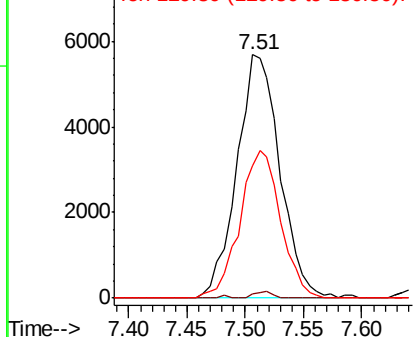
#28

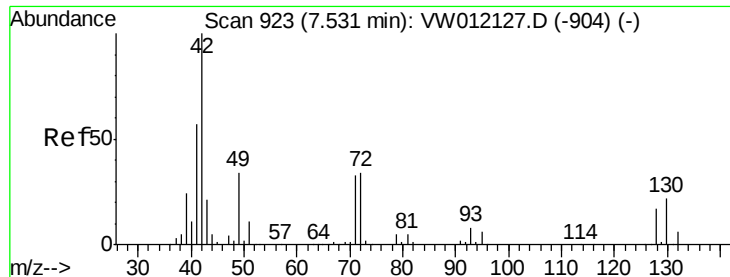
Bromochloromethane
Concen: 5.746 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Tgt Ion: 49 Resp: 14577
Ion Ratio Lower Upper
49 100
129 1.2 0.0 1.4
130 57.5 45.5 68.3



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

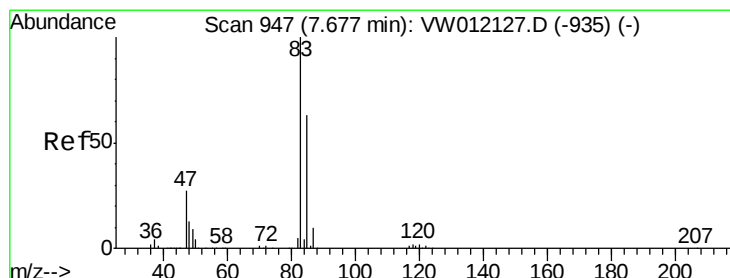
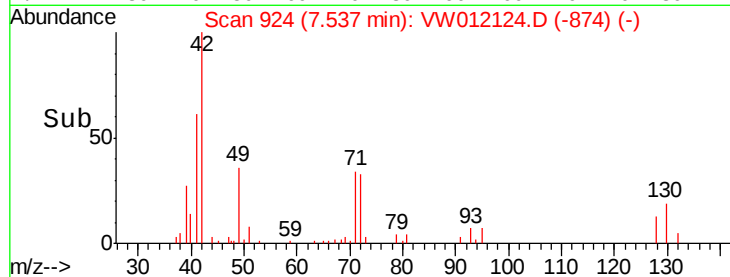
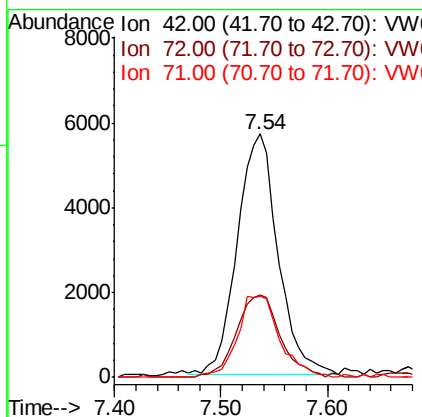
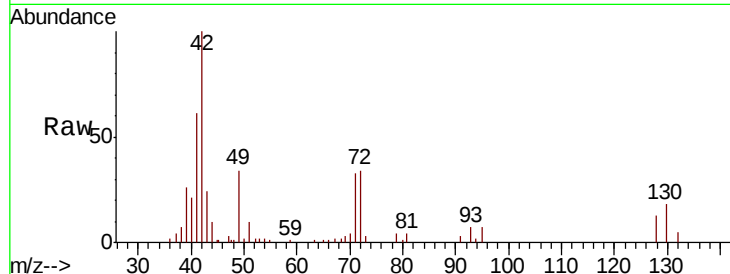




#29
Tetrahydrofuran
Concen: 22.799 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

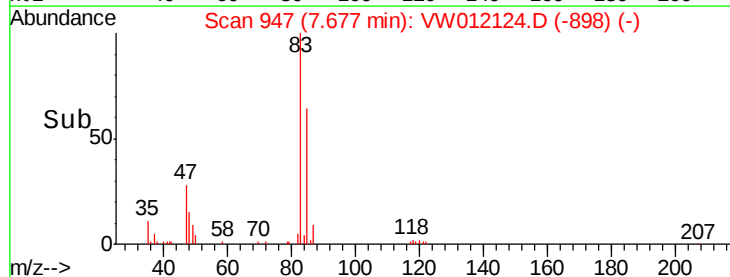
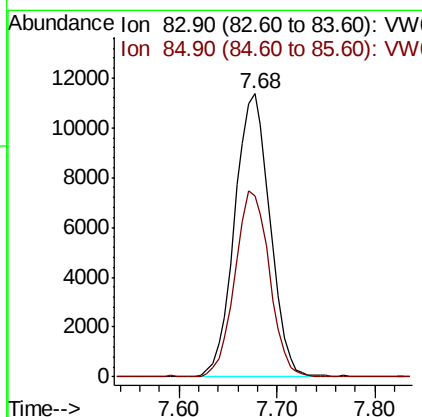
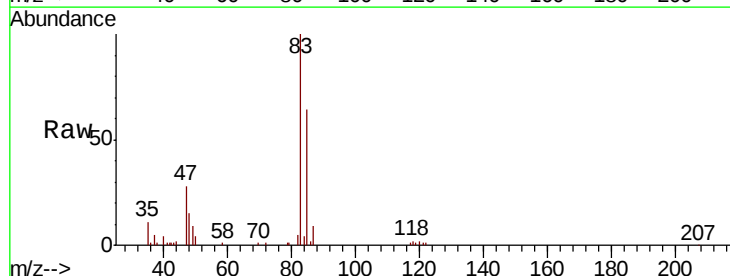
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

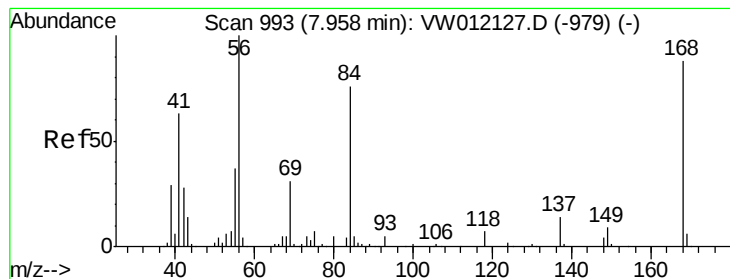
Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.8	27.3	40.9
71	35.2	25.5	38.3



#30
Chloroform
Concen: 5.343 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.6	76.0





#31

Cyclohexane

Concen: 6.061 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

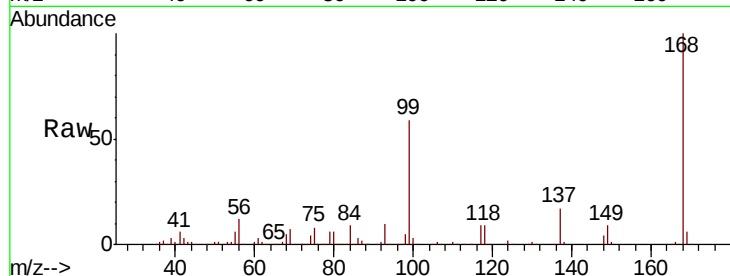
Tgt Ion: 56 Resp: 34903

Ion Ratio Lower Upper

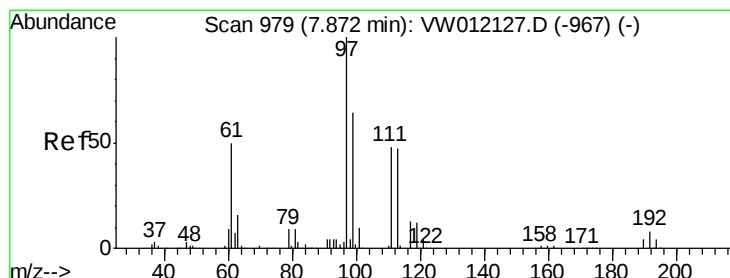
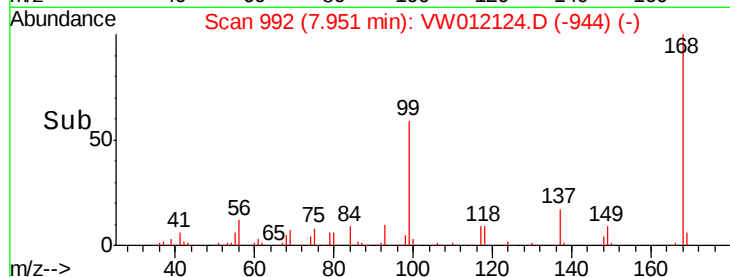
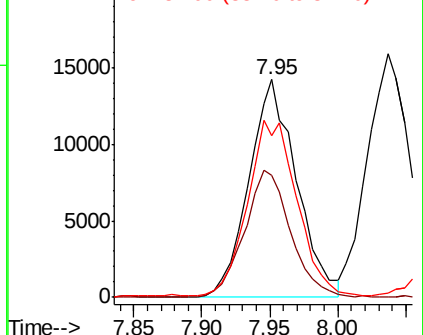
56 100

69 56.3 24.9 37.3#

84 73.6 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 5.209 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

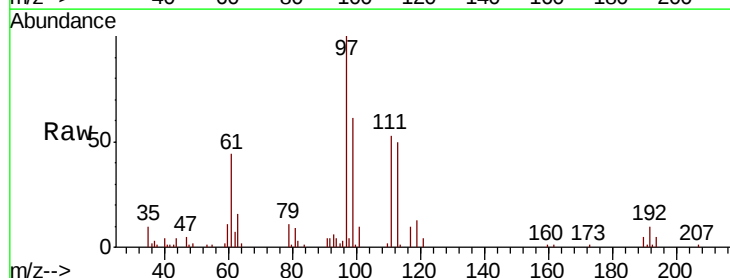
Tgt Ion: 97 Resp: 21944

Ion Ratio Lower Upper

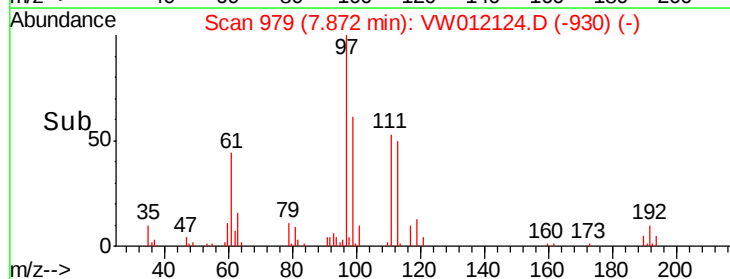
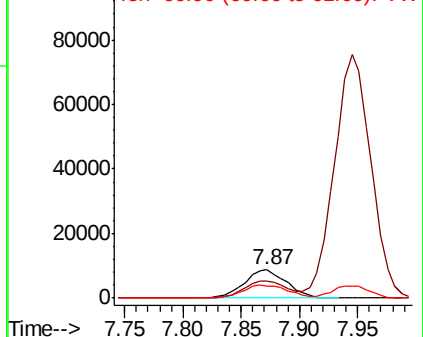
97 100

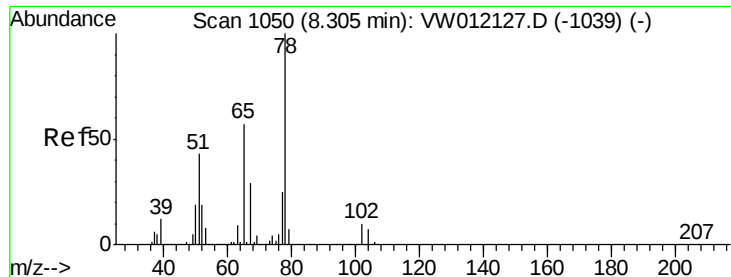
99 64.2 51.4 77.0

61 50.2 39.5 59.3



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

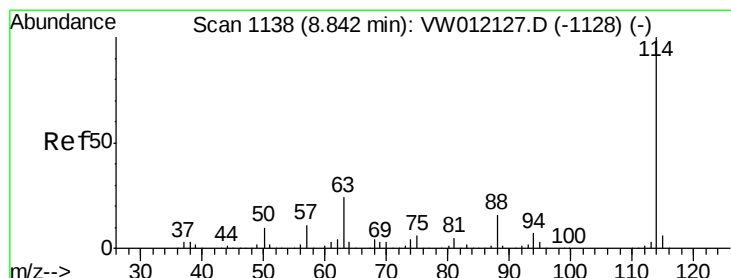
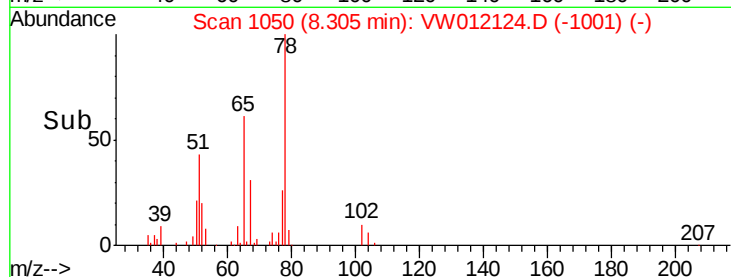
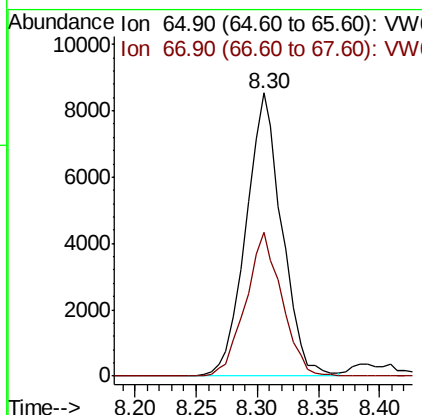
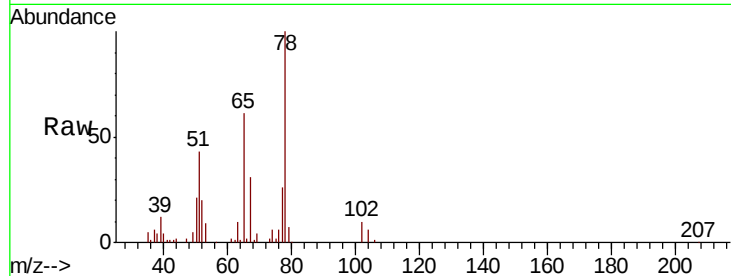




#33
 1,2-Dichloroethane-d4
 Concen: 5.470 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

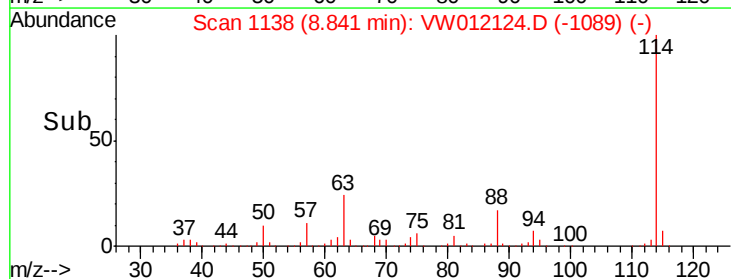
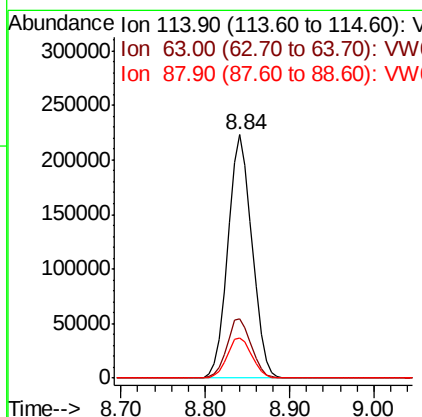
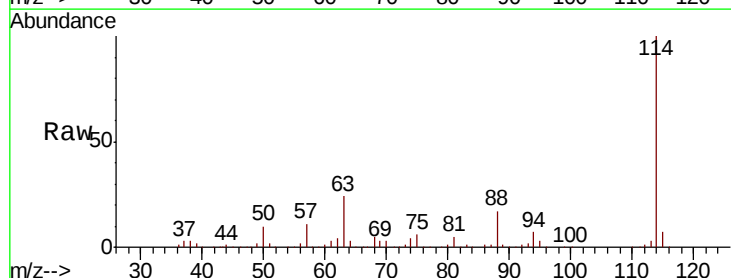
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 17488
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

Tgt Ion: 114 Resp: 433856
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.6
 88 16.5 0.0 32.2

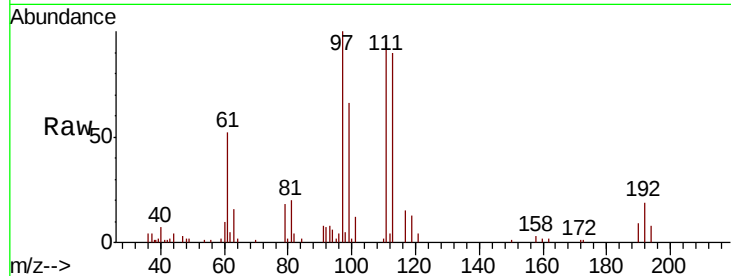




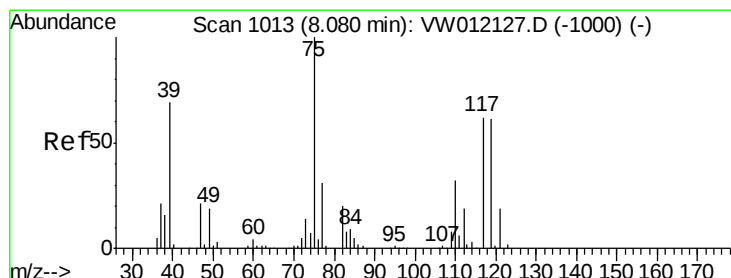
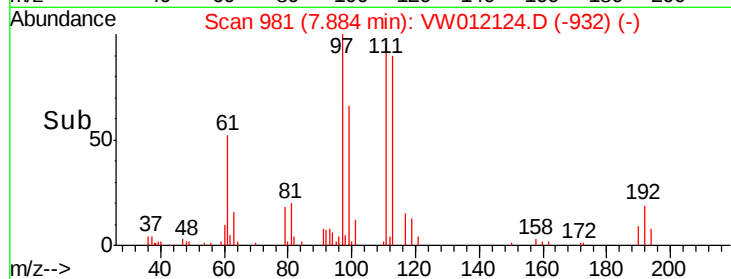
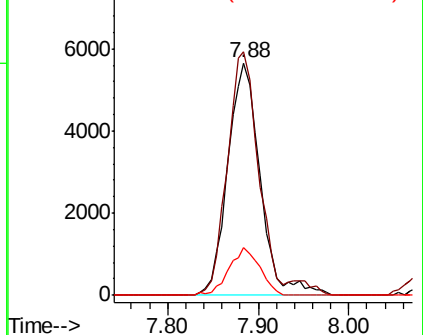
#35
 Dibromofluoromethane
 Concen: 5.426 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.6	82.7	124.1
192	19.6	16.2	24.2

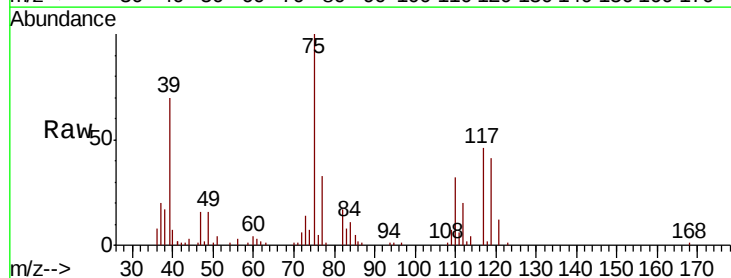


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

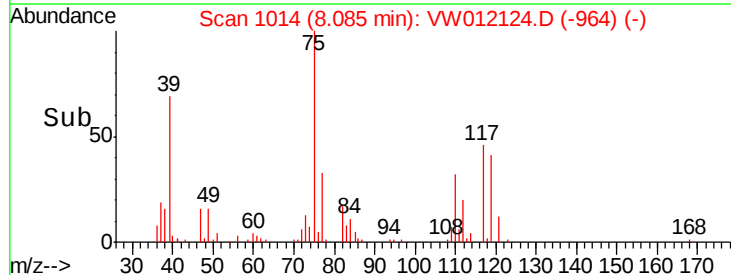
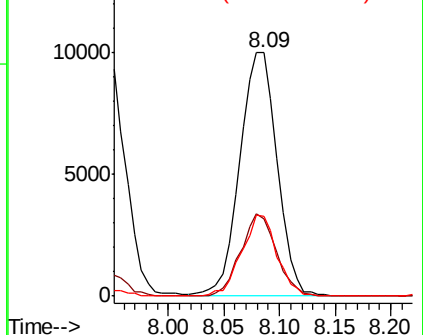


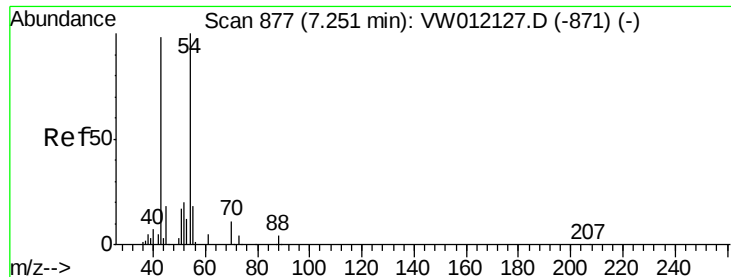
#36
 1,1-Dichloropropene
 Concen: 5.220 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.2	15.6	46.8
77	31.3	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

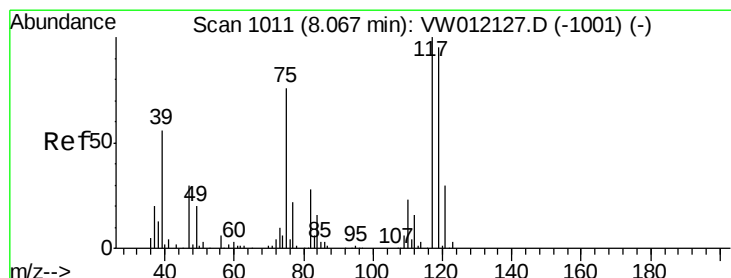
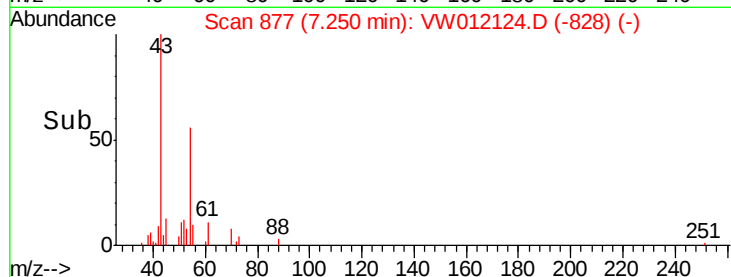
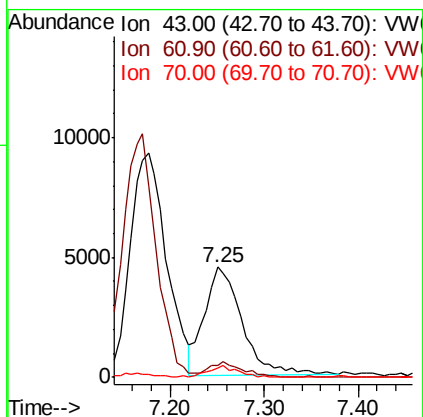
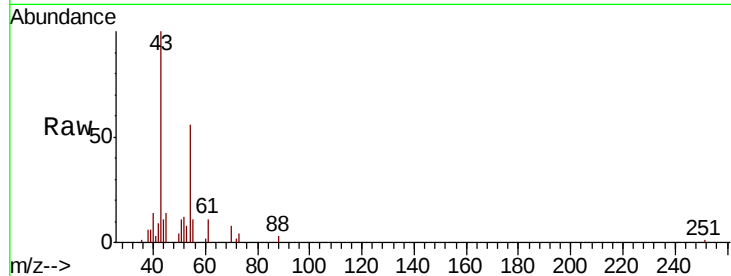




#37
Ethyl Acetate
Concen: 5.180 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

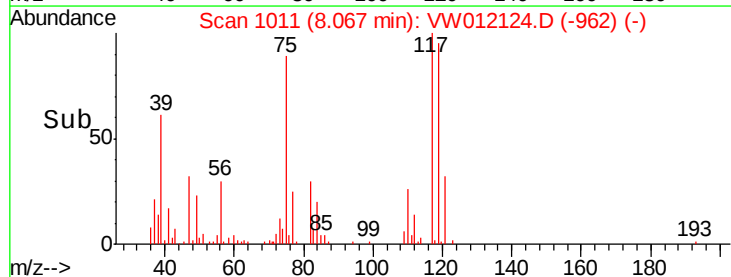
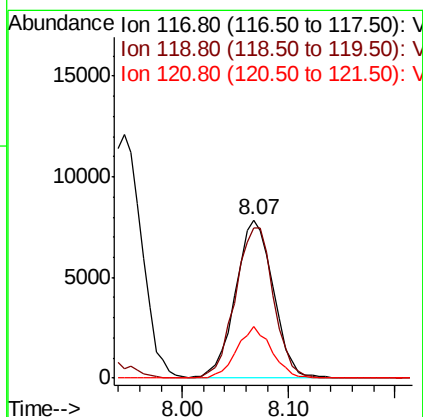
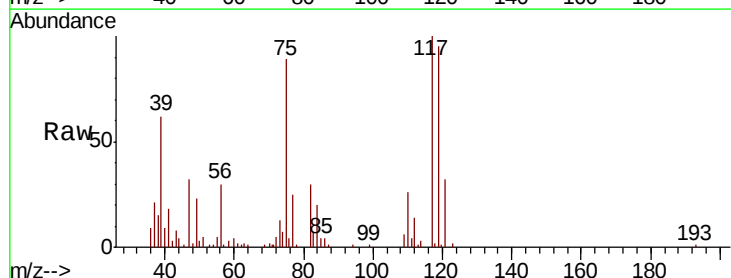
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

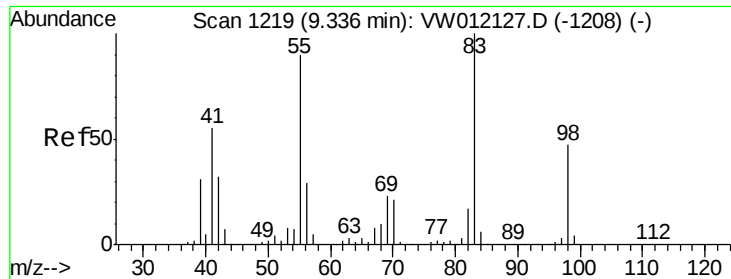
Tgt Ion: 43 Resp: 12726
Ion Ratio Lower Upper
43 100
61 12.6 9.2 13.8
70 8.2 6.9 10.3



#38
Carbon Tetrachloride
Concen: 5.068 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Tgt Ion: 117 Resp: 19665
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.2
121 32.2 23.8 35.8

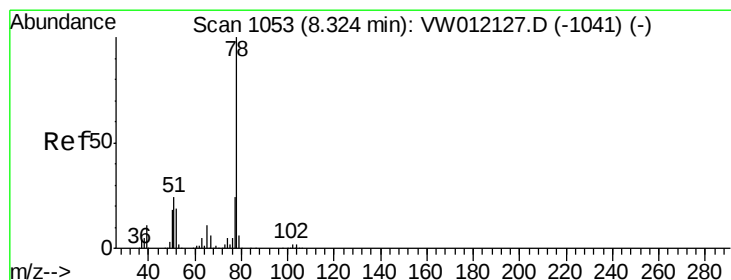
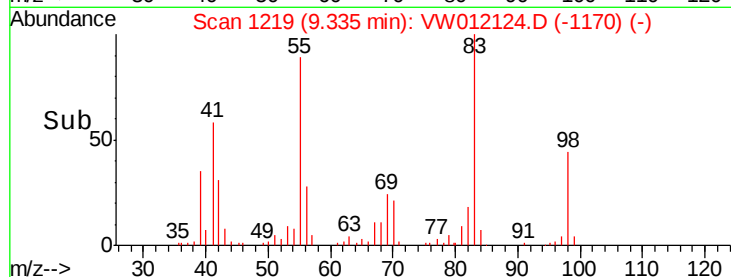
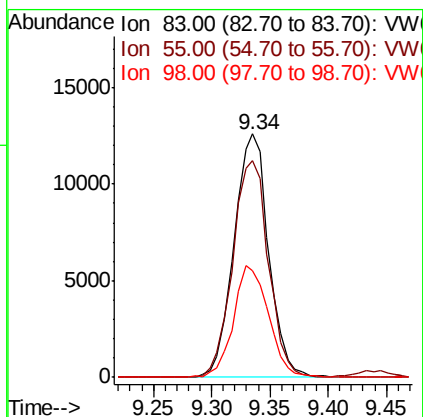
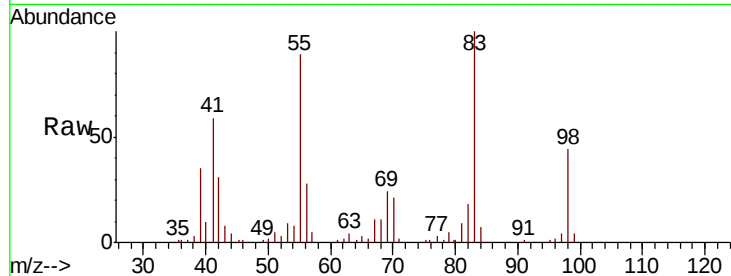




#39
Methylcyclohexane
Concen: 5.180 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

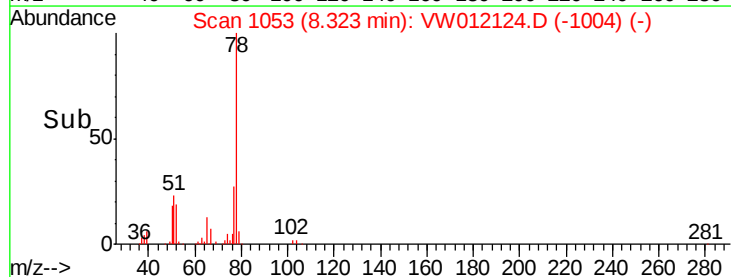
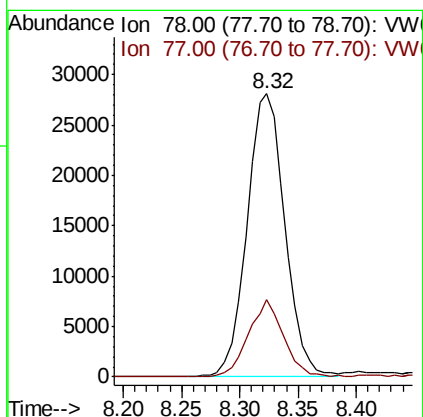
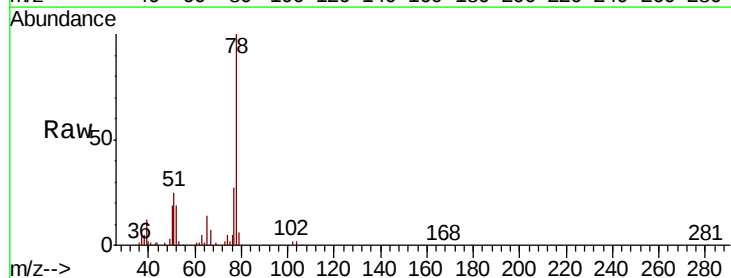
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

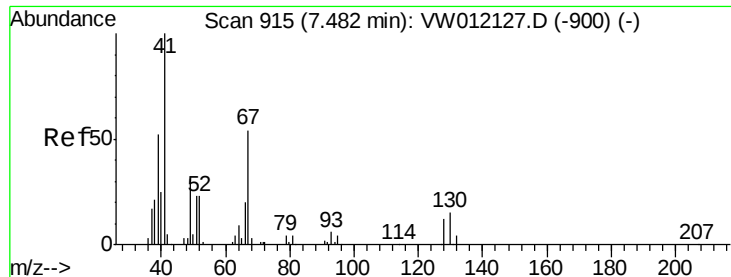
Tgt Ion: 83 Resp: 26089
Ion Ratio Lower Upper
83 100
55 88.8 71.8 107.8
98 44.0 37.8 56.8



#40
Benzene
Concen: 5.194 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Tgt Ion: 78 Resp: 63587
Ion Ratio Lower Upper
78 100
77 27.2 19.5 29.3





#41

Methacrylonitrile

Concen: 4.215 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 6087

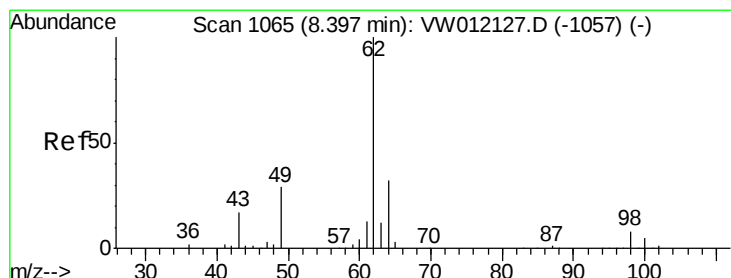
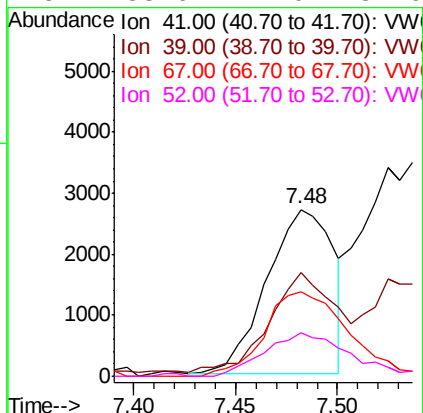
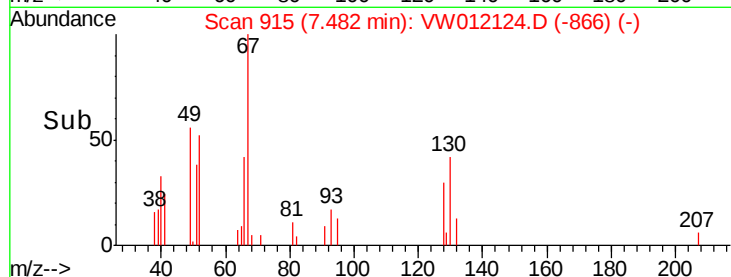
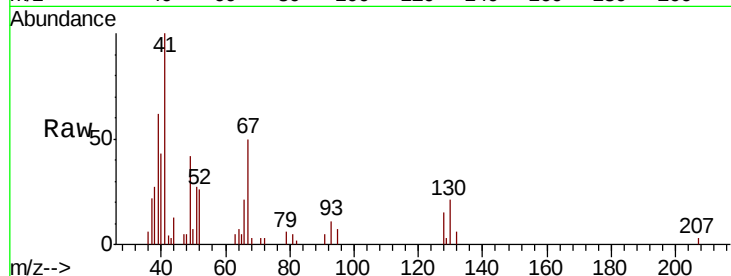
Ion Ratio Lower Upper

41 100

39 61.7 45.8 68.8

67 64.5 46.2 69.4

52 33.6 21.0 31.6#



#42

1,2-Dichloroethane

Concen: 5.112 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012124.D

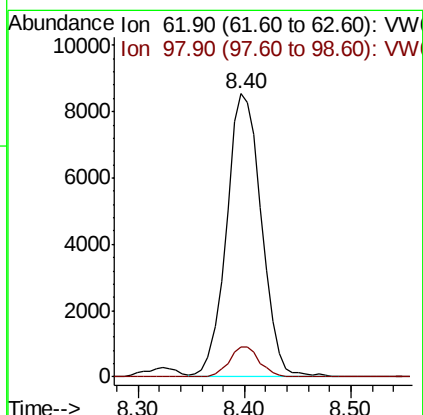
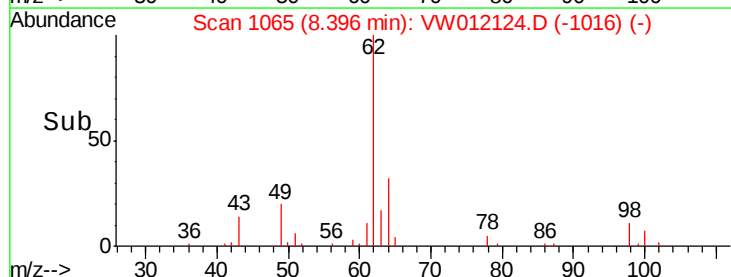
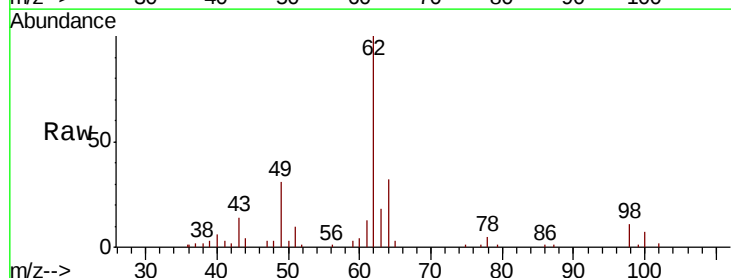
Acq: 23 Aug 2019 09:19

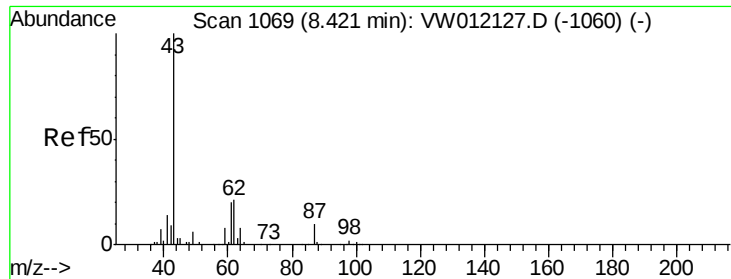
Tgt Ion: 62 Resp: 19614

Ion Ratio Lower Upper

62 100

98 9.2 0.0 16.6





#43

Isopropyl Acetate

Concen: 4.831 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

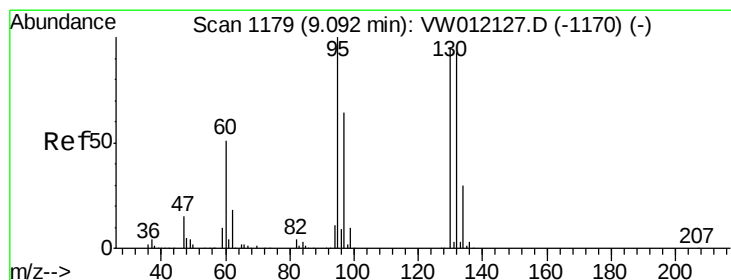
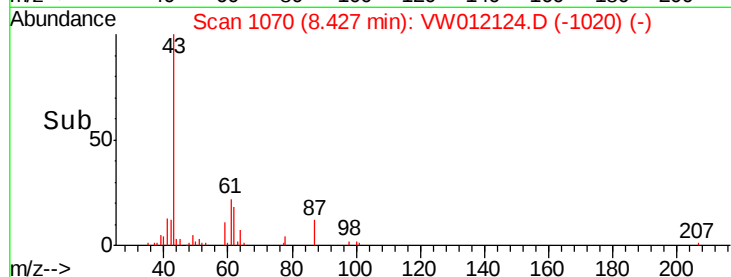
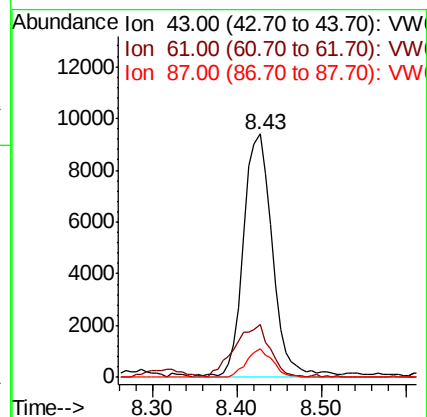
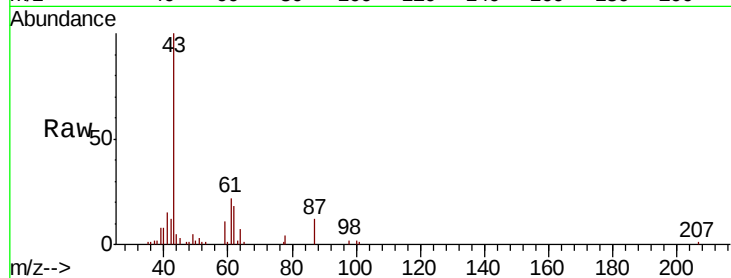
Tgt Ion: 43 Resp: 21985

Ion Ratio Lower Upper

43 100

61 26.3 21.1 31.7

87 10.3 8.2 12.2



#44

Trichloroethene

Concen: 5.194 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012124.D

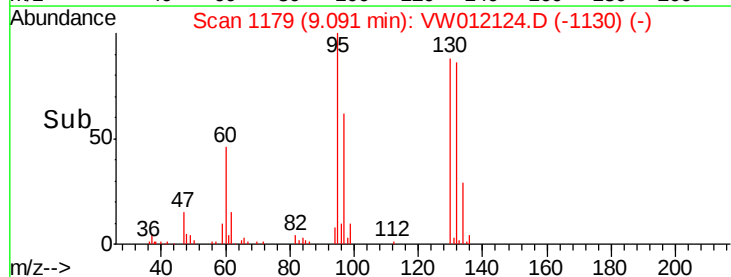
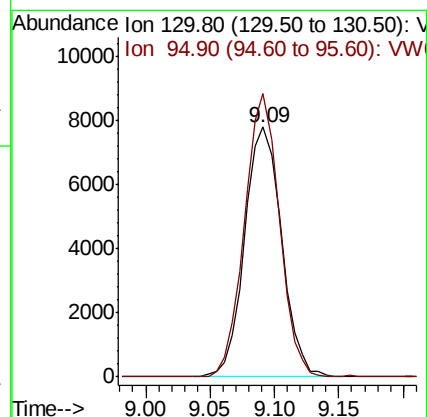
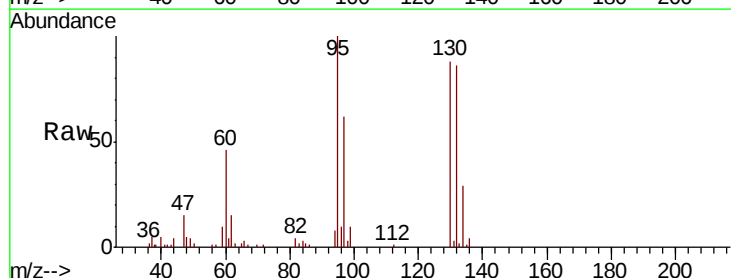
Acq: 23 Aug 2019 09:19

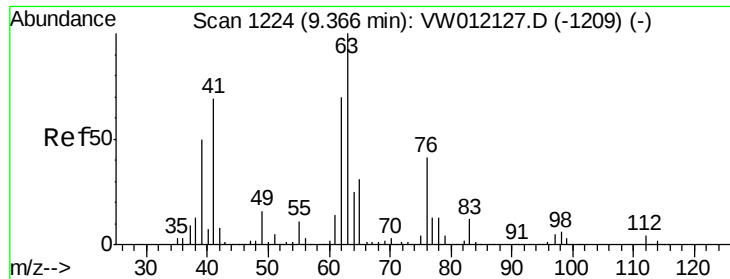
Tgt Ion: 130 Resp: 15459

Ion Ratio Lower Upper

130 100

95 113.4 0.0 210.6

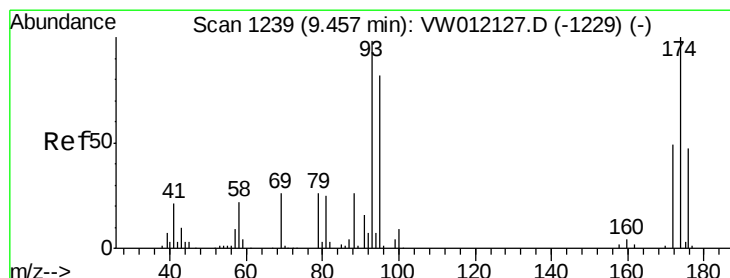
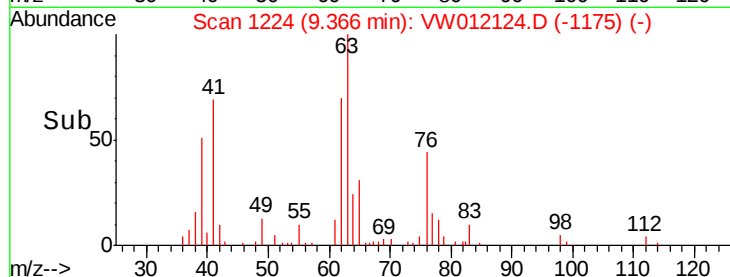
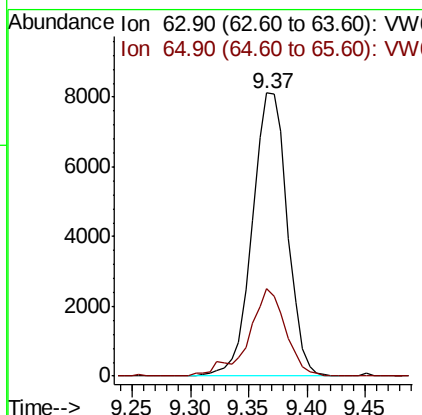
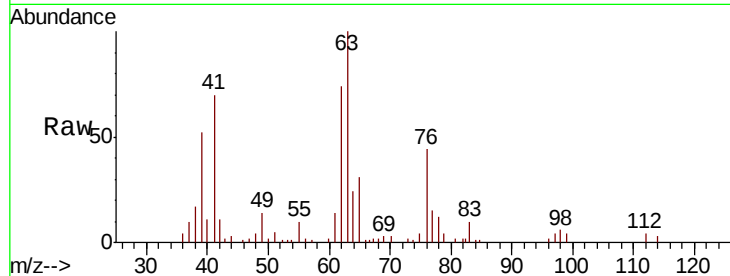




#45
 1,2-Dichloropropane
 Concen: 5.125 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

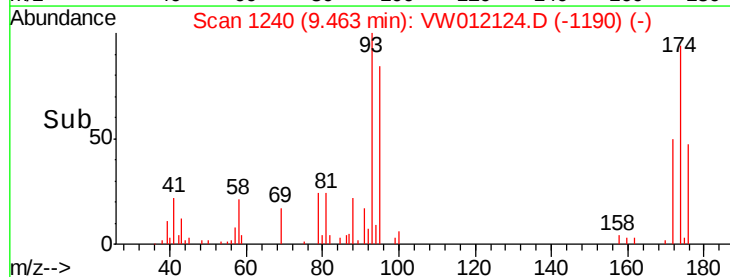
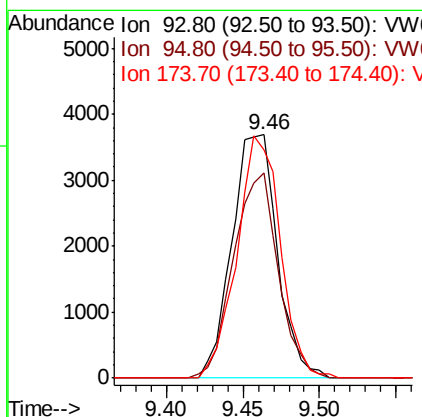
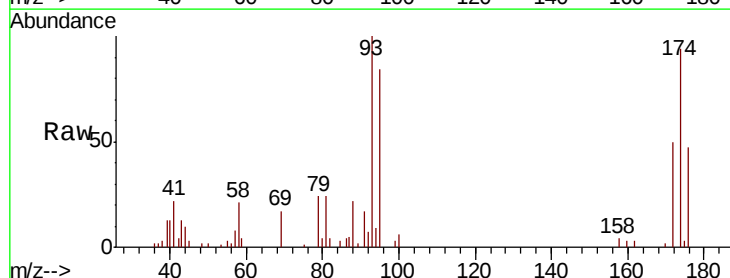
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 63 Resp: 16885
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.4



#46
 Dibromomethane
 Concen: 5.204 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

Tgt Ion: 93 Resp: 7629
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.2 100.8
 174 95.0 79.0 118.6





#47

Bromodichloromethane

Concen: 4.946 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

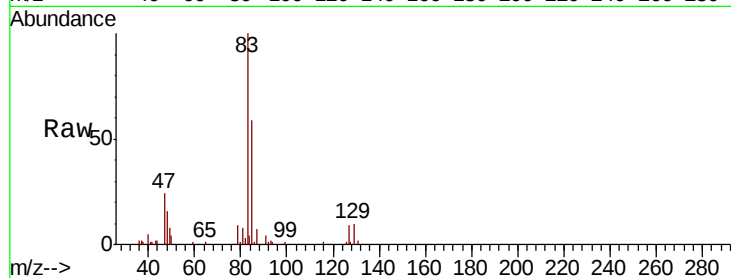
Tgt Ion: 83 Resp: 19295

Ion Ratio Lower Upper

83 100

85 58.6 49.4 74.2

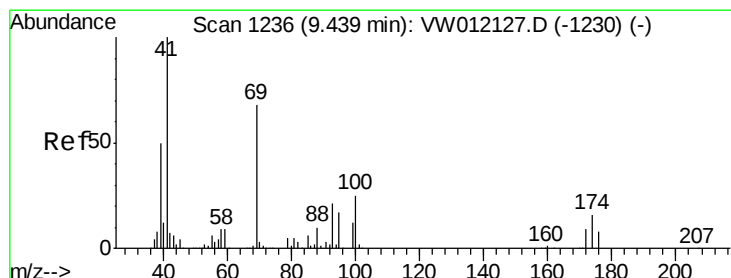
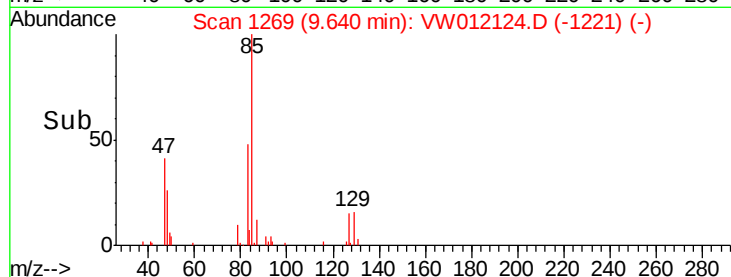
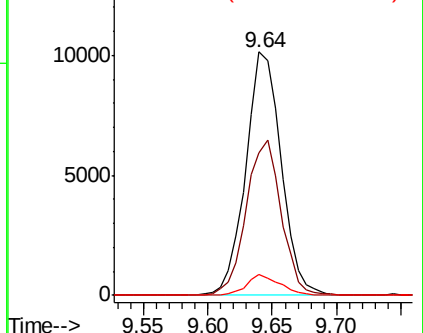
127 8.6 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 4.580 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

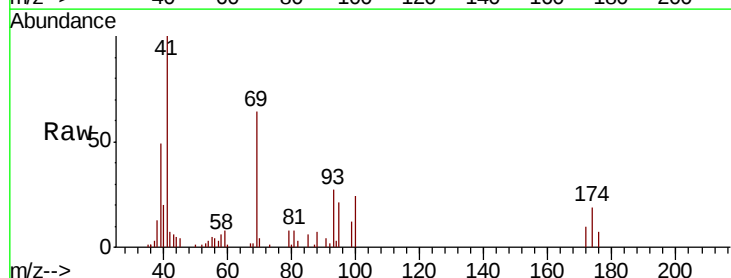
Tgt Ion: 41 Resp: 9921

Ion Ratio Lower Upper

41 100

69 75.5 56.7 85.1

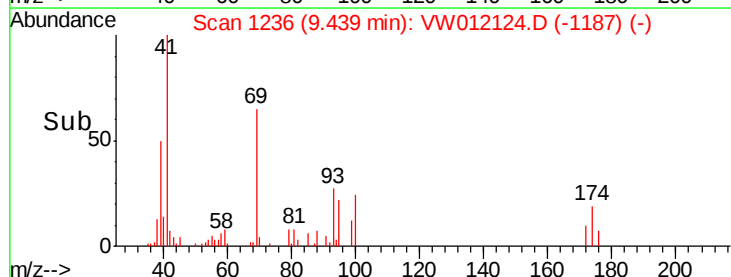
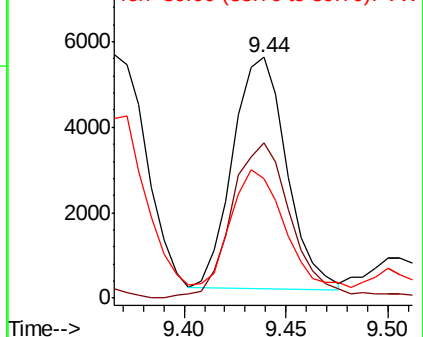
39 51.1 42.0 63.0

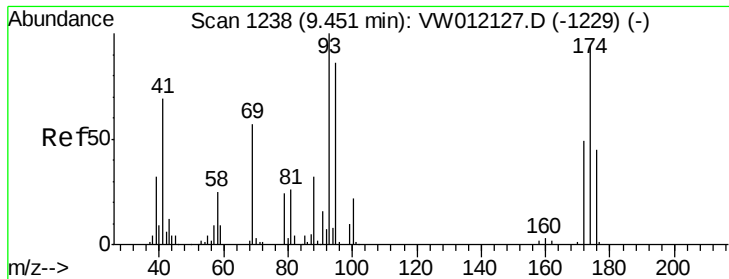


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

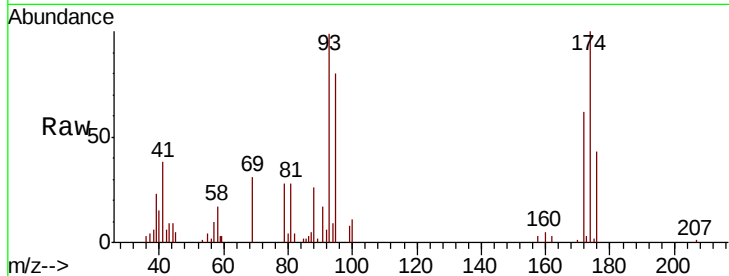




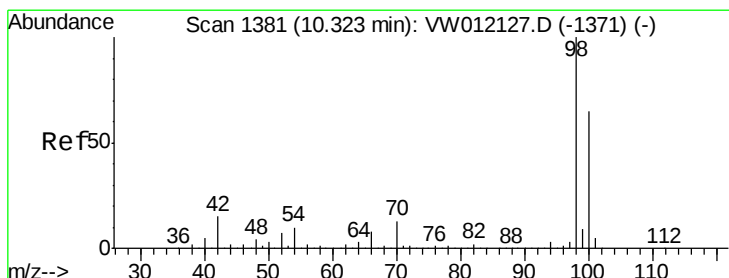
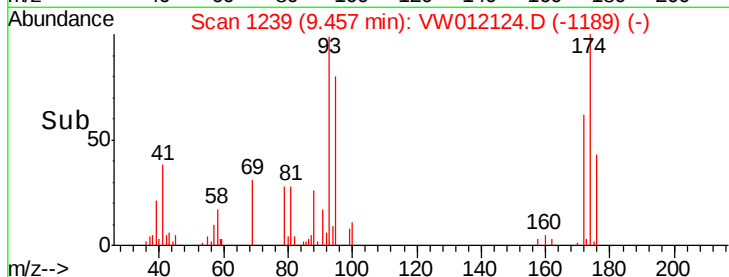
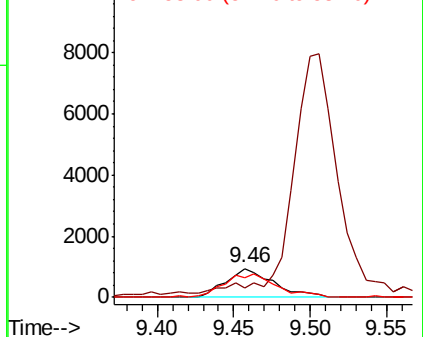
#49
1,4-Dioxane
Concen: 89.832 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 2016
Ion Ratio Lower Upper
88 100
43 25.5 32.9 49.3#
58 91.4 71.0 106.4

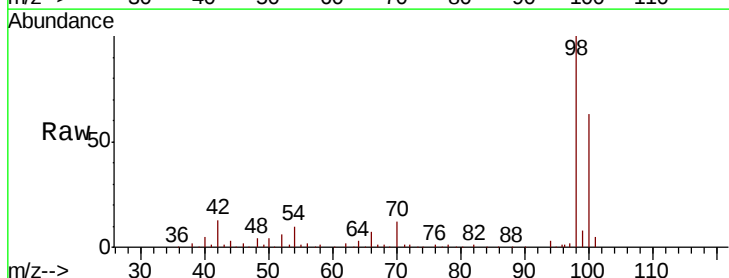


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

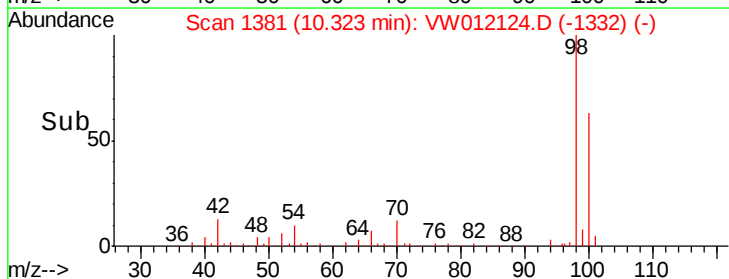
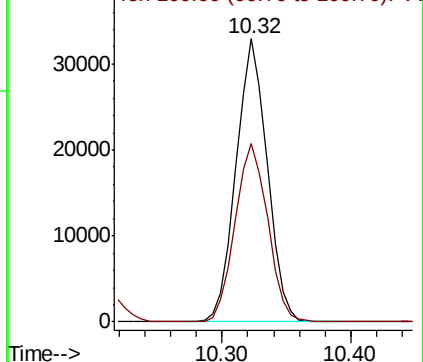


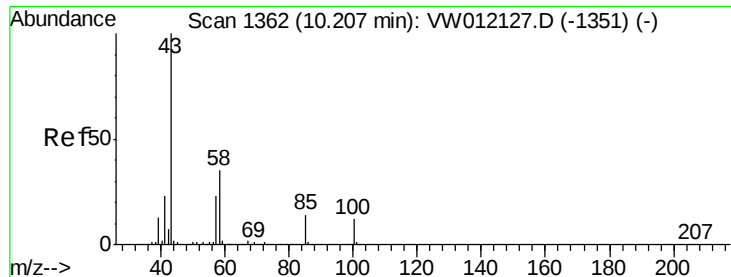
#50
Toluene-d8
Concen: 5.262 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Tgt Ion: 98 Resp: 55256
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

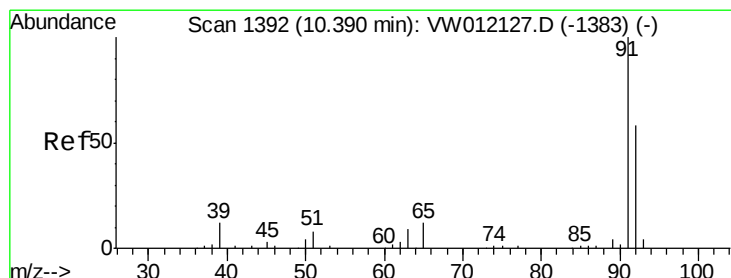
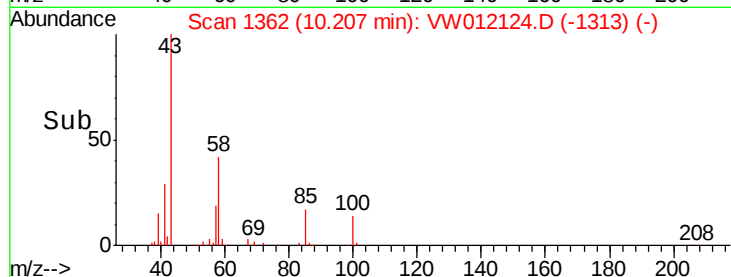
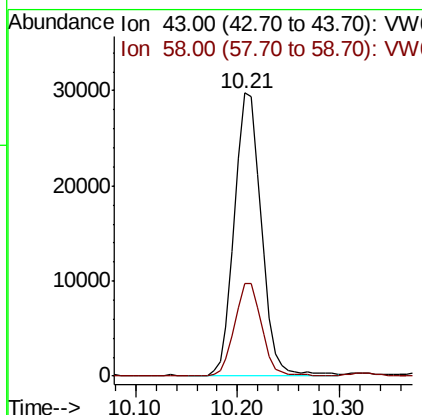
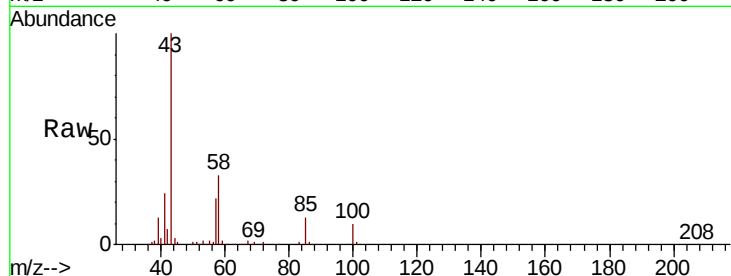




#51
 4-Methyl-2-Pentanone
 Concen: 23.654 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

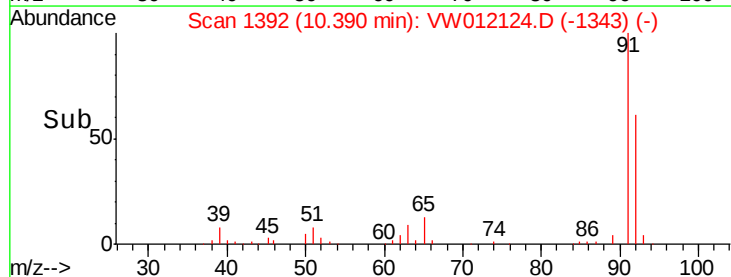
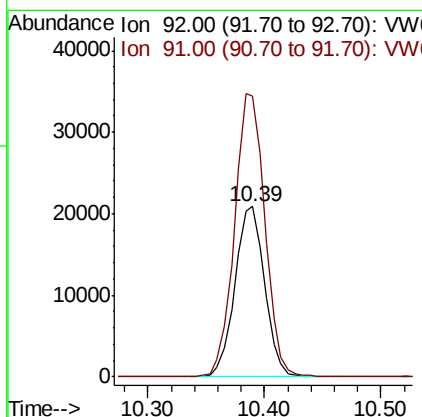
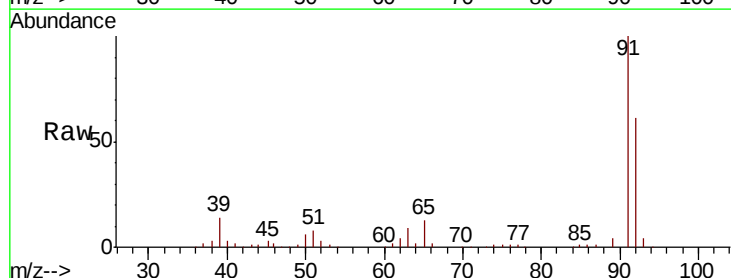
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

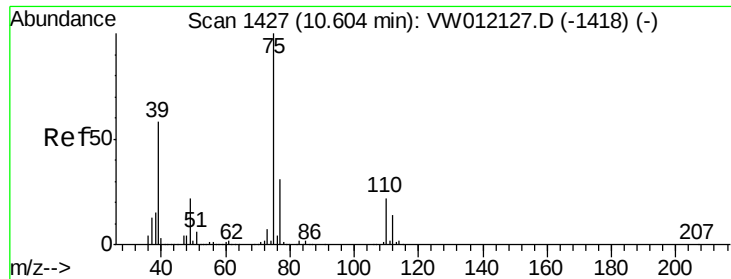
Tgt Ion: 43 Resp: 54751
 Ion Ratio Lower Upper
 43 100
 58 32.9 28.2 42.2



#52
 Toluene
 Concen: 5.065 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

Tgt Ion: 92 Resp: 37249
 Ion Ratio Lower Upper
 92 100
 91 169.1 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 4.583 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

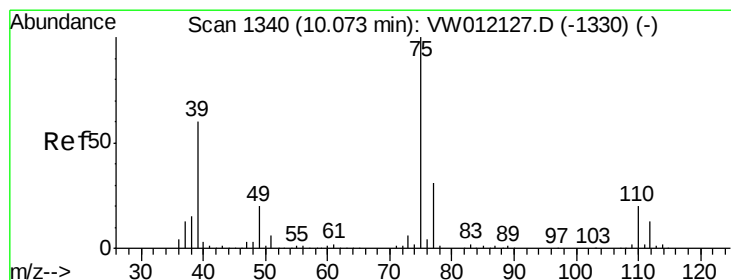
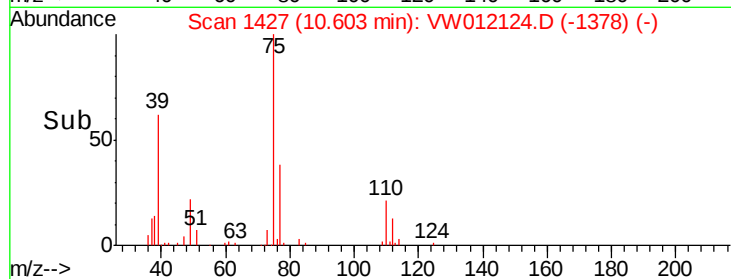
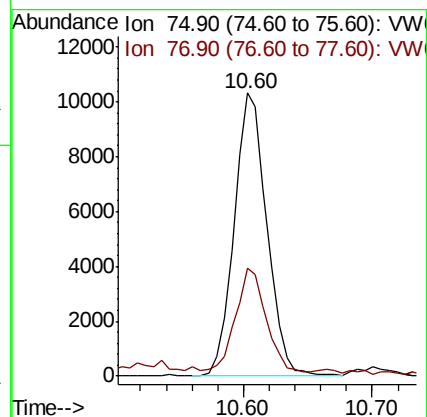
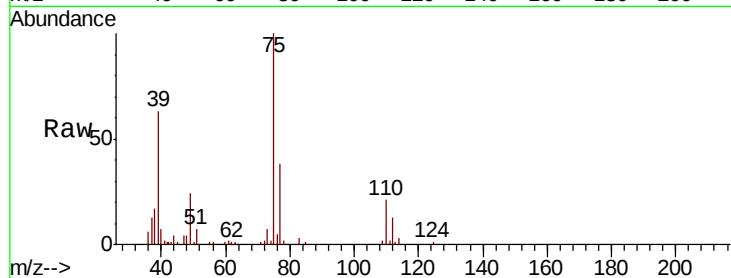
VSTDIC005

Tgt Ion: 75 Resp: 18213

Ion Ratio Lower Upper

75 100

77 36.9 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 4.664 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

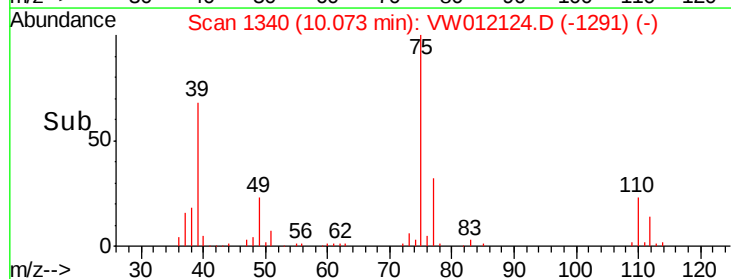
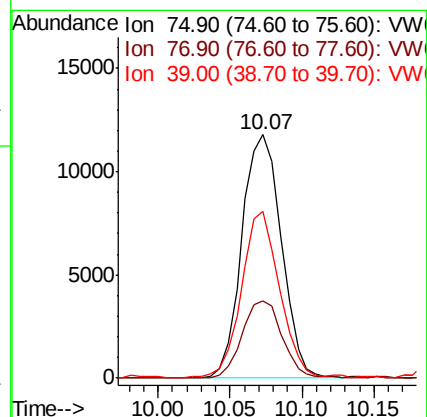
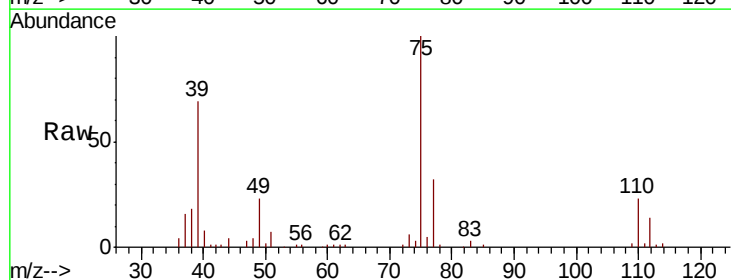
Tgt Ion: 75 Resp: 22382

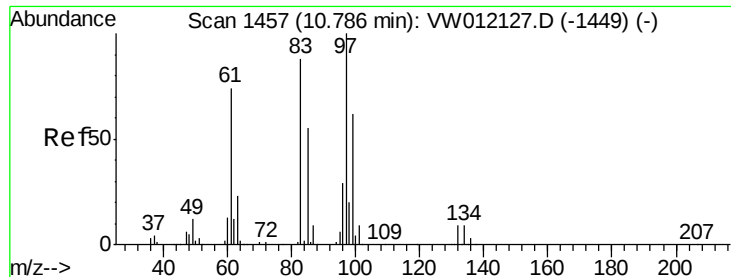
Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7

39 68.0 48.3 72.5

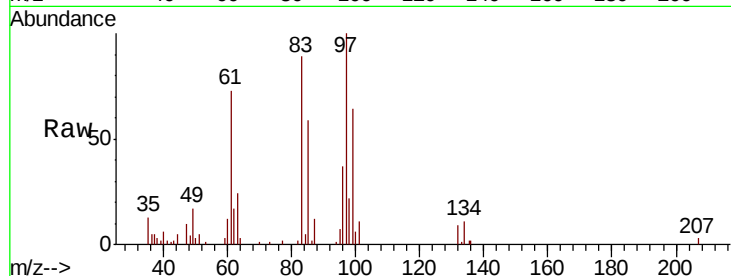




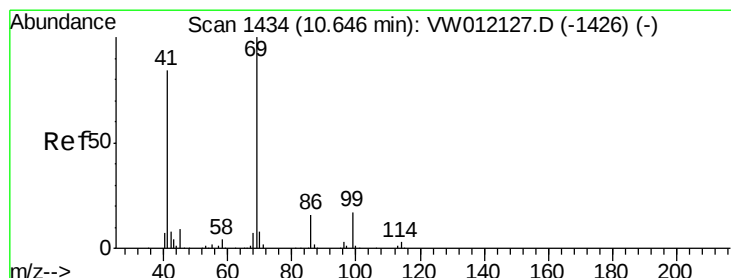
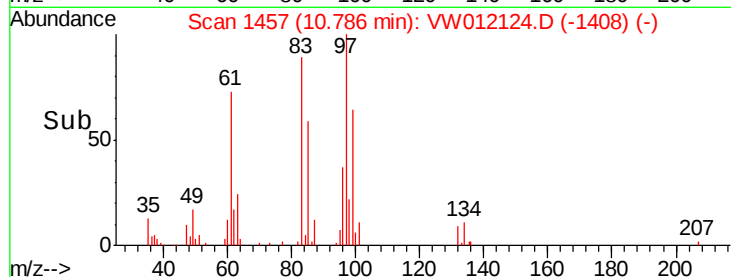
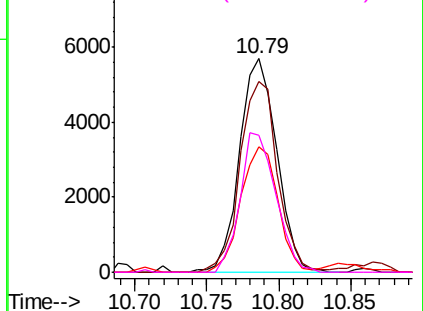
#55
 1,1,2-Trichloroethane
 Concen: 4.934 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:	97	Resp:	10234
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.8	106.2
85	58.8	43.8	65.8
99	64.2	49.8	74.6

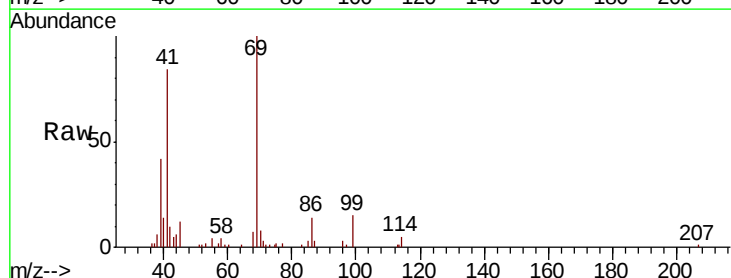


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

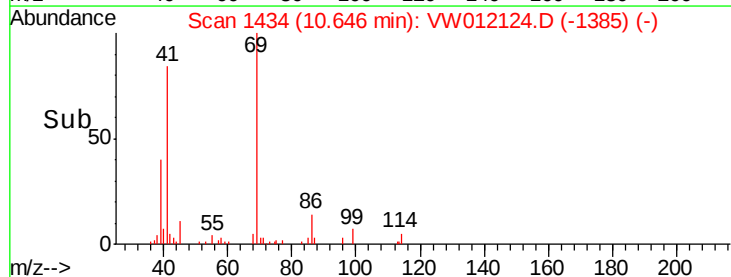
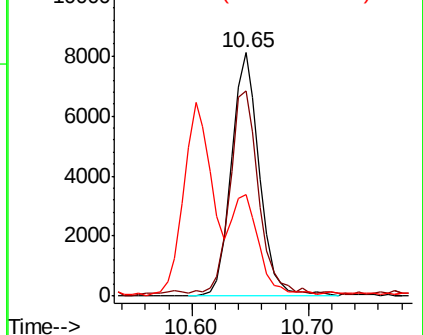


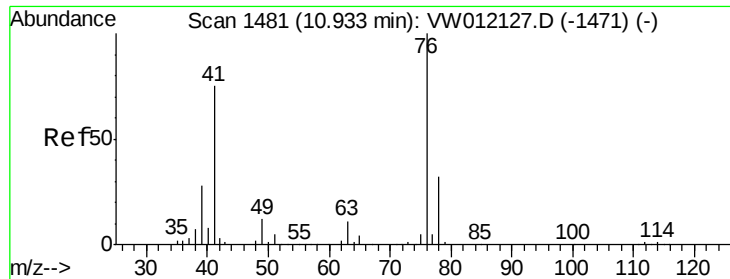
#56
 Ethyl methacrylate
 Concen: 4.489 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

Tgt Ion:	69	Resp:	13551
Ion	Ratio	Lower	Upper
69	100		
41	85.8	66.5	99.7
39	40.1	31.0	46.4



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

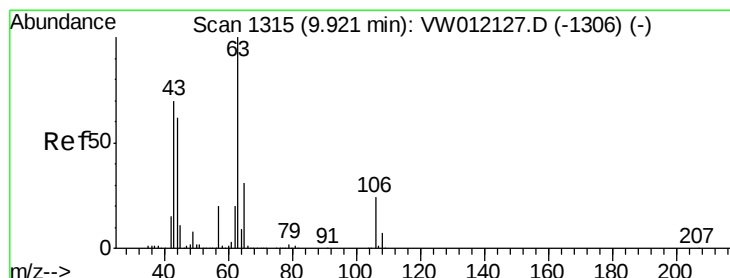
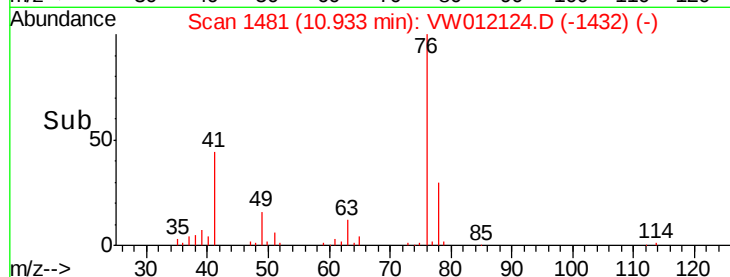
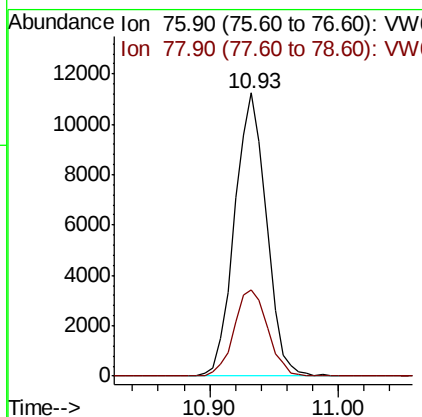
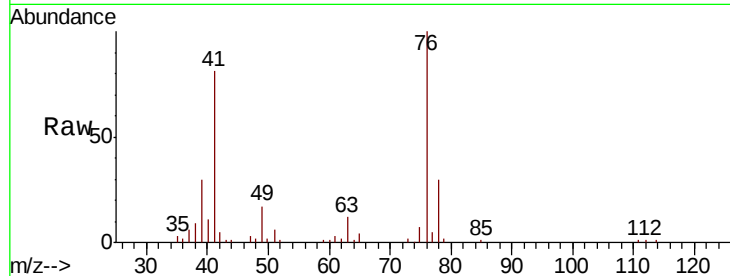




#57
 1,3-Dichloropropane
 Concen: 4.898 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

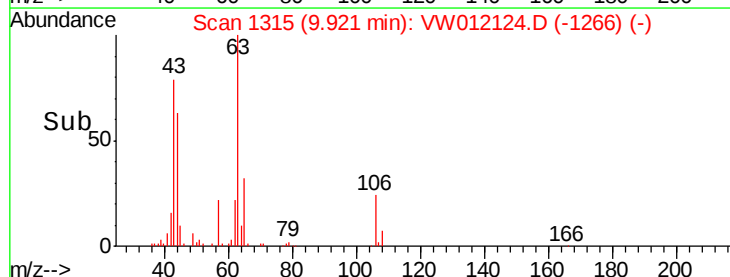
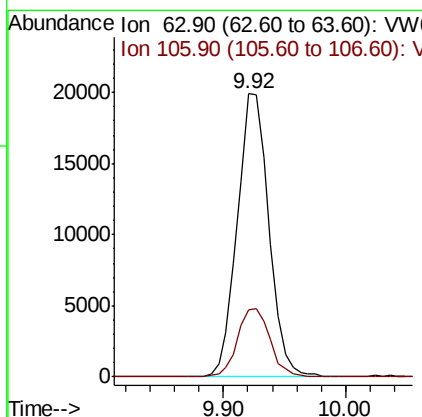
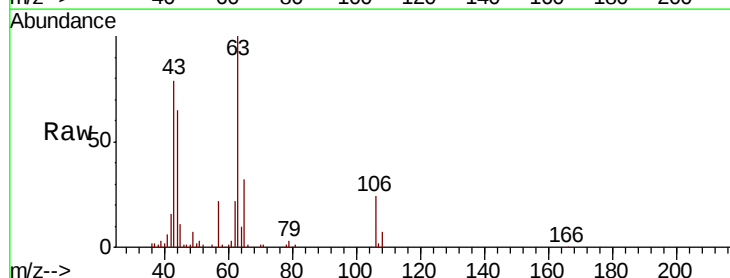
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

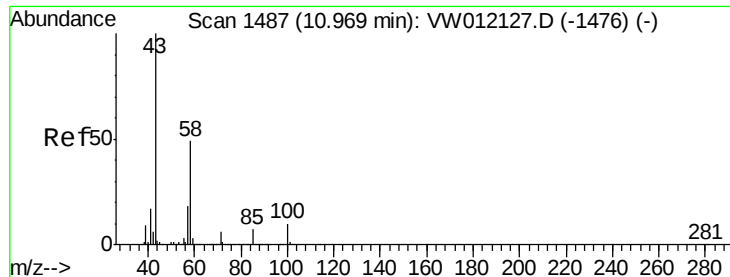
Tgt Ion: 76 Resp: 19197
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.131 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

Tgt Ion: 63 Resp: 35836
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.8 29.8

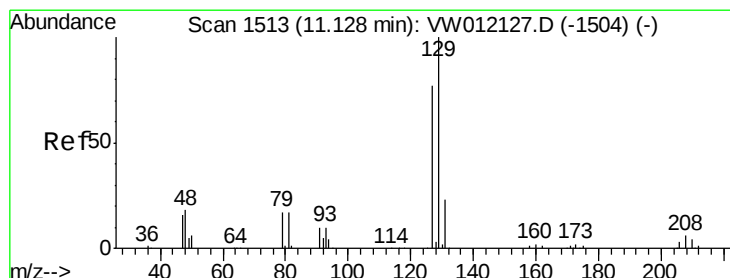
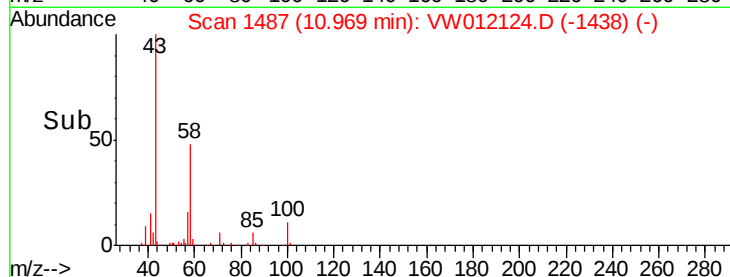
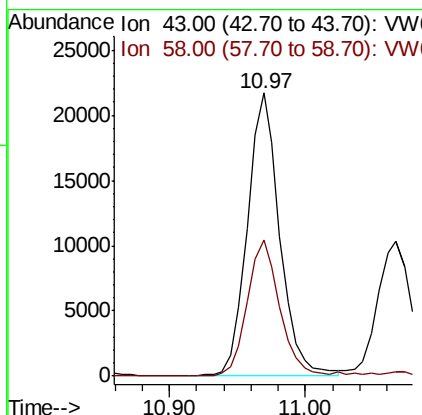
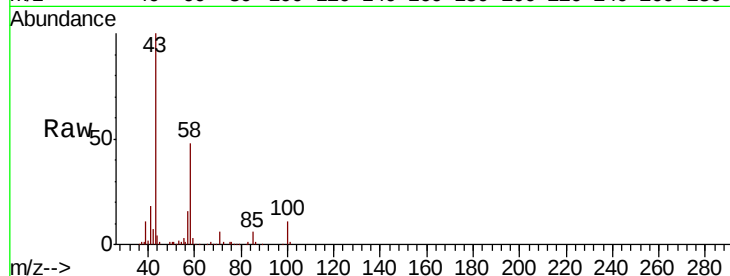




#59
2-Hexanone
Concen: 22.127 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

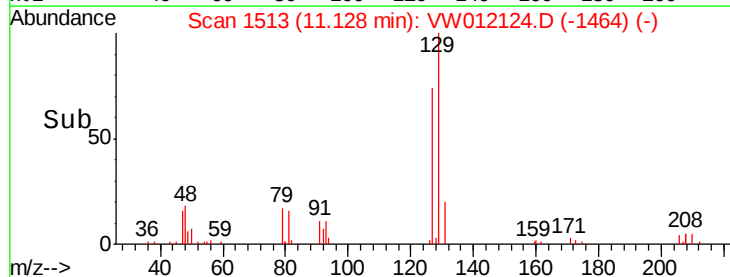
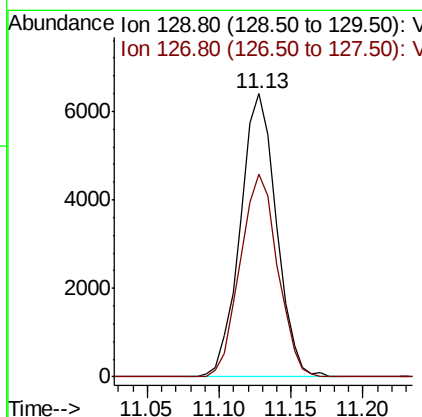
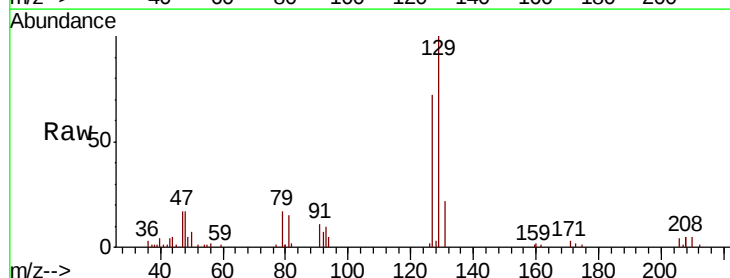
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

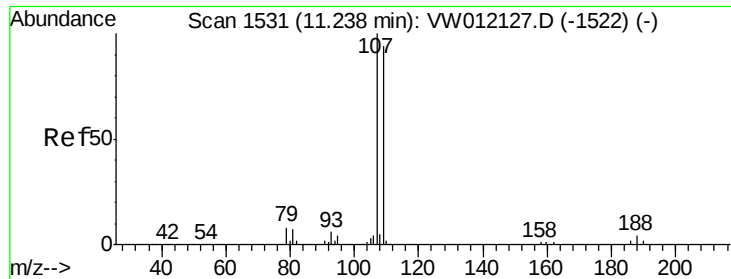
Tgt Ion: 43 Resp: 36239
Ion Ratio Lower Upper
43 100
58 48.0 24.3 72.9



#60
Dibromochloromethane
Concen: 4.814 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Tgt Ion: 129 Resp: 11122
Ion Ratio Lower Upper
129 100
127 74.3 38.6 115.8

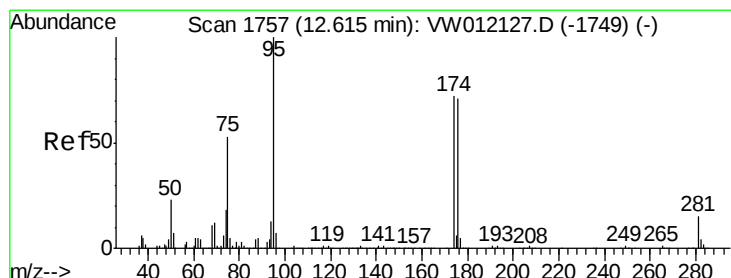
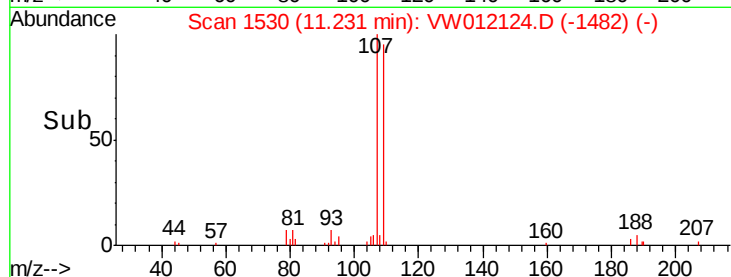
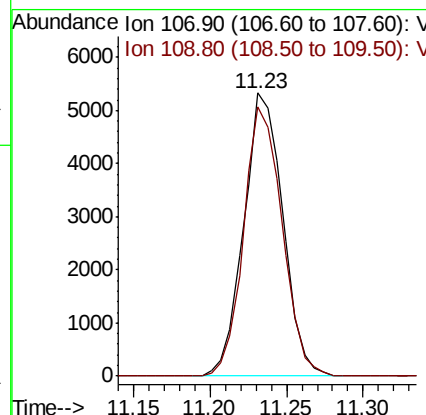
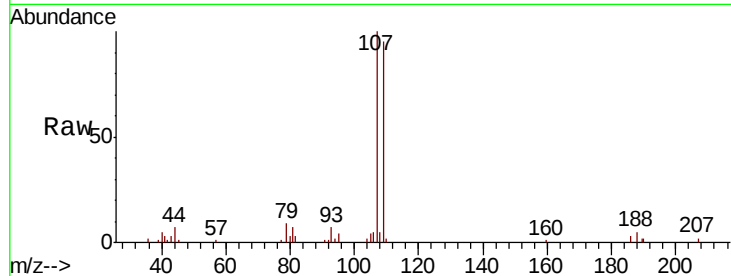




#61
 1,2-Dibromoethane
 Concen: 4.896 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

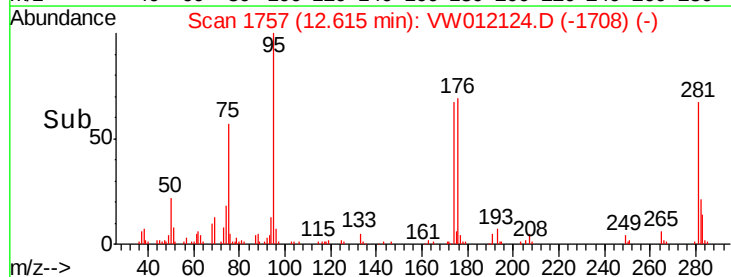
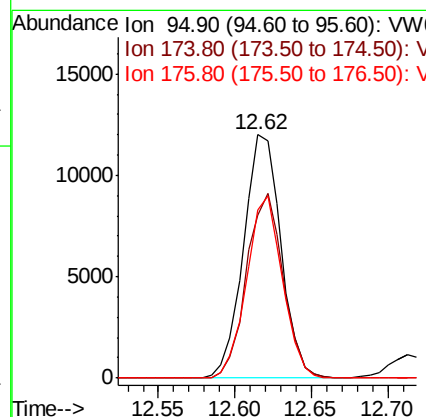
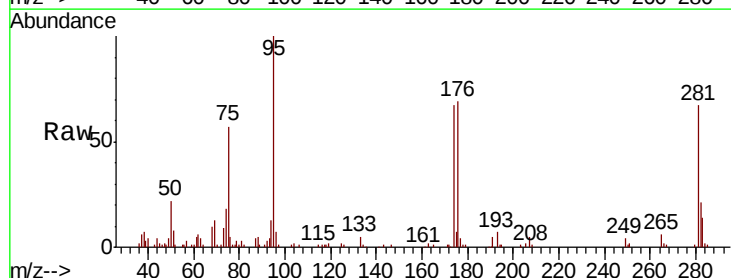
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

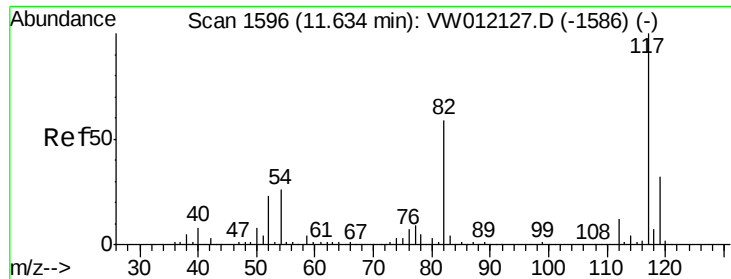
Tgt Ion: 107 Resp: 9460
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 5.512 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

Tgt Ion: 95 Resp: 20403
 Ion Ratio Lower Upper
 95 100
 174 74.1 0.0 150.8
 176 71.4 0.0 148.6

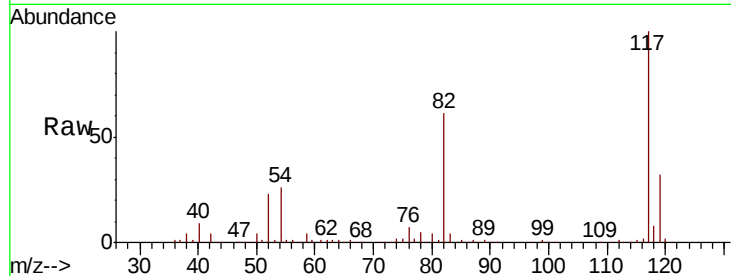




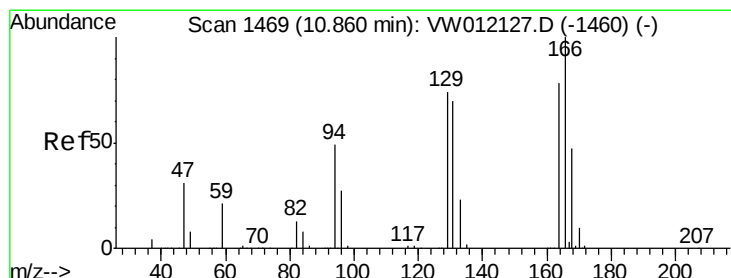
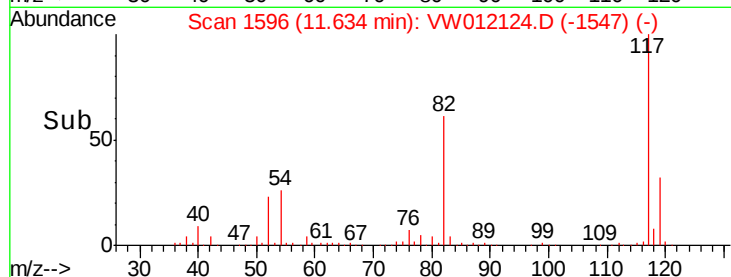
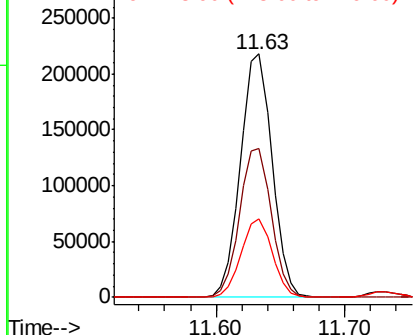
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 371058
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.2
119 32.2 25.4 38.2



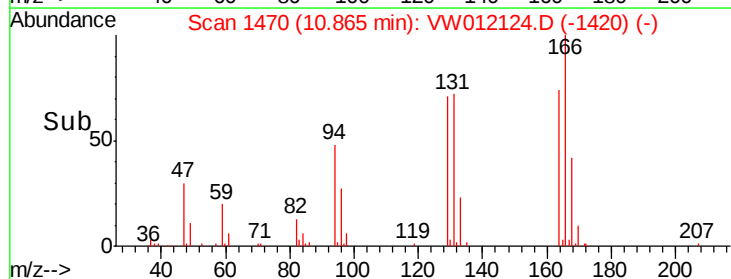
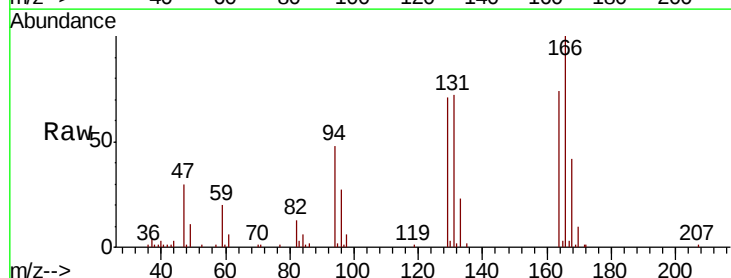
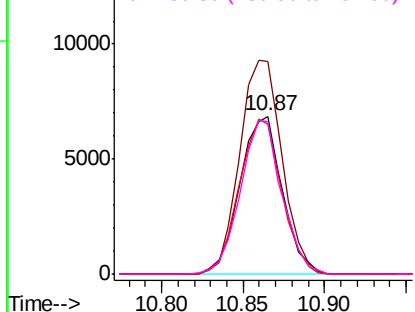
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

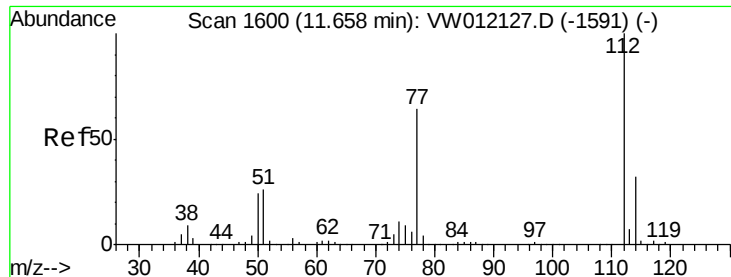


#64
Tetrachloroethene
Concen: 5.149 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Tgt Ion:164 Resp: 12386
Ion Ratio Lower Upper
164 100
166 134.8 102.4 153.6
129 95.3 75.8 113.6
131 96.7 71.4 107.2

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

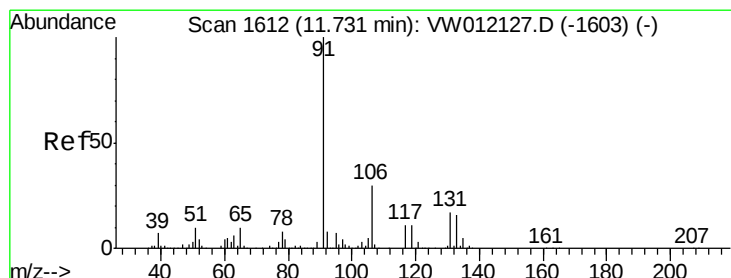
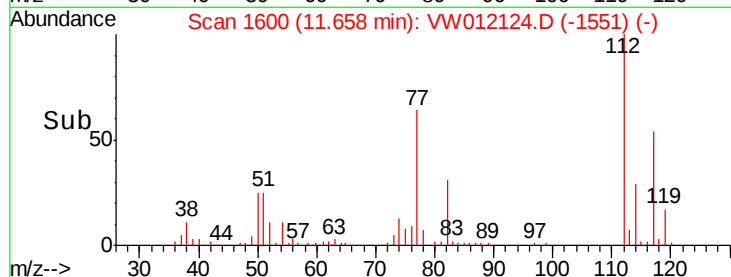
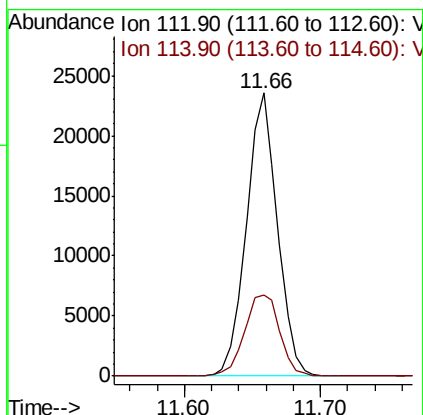
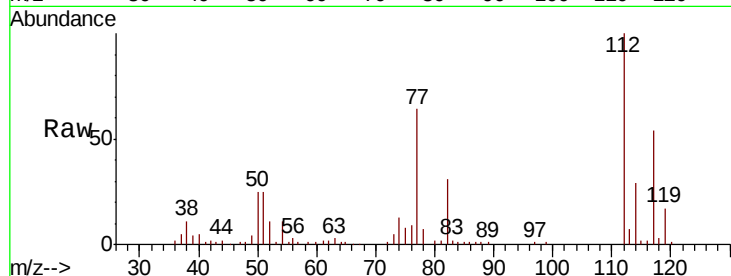




#65
Chlorobenzene
Concen: 5.140 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

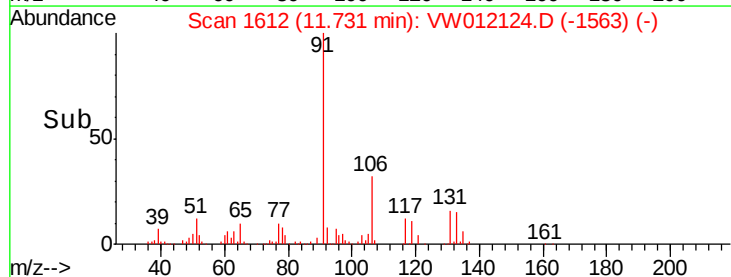
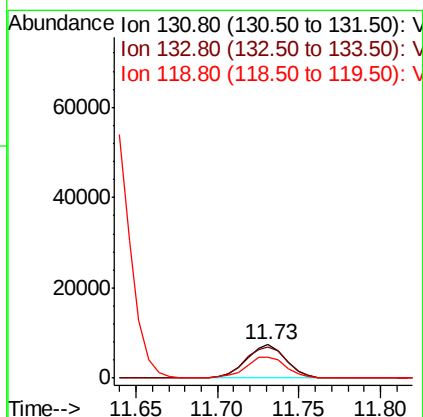
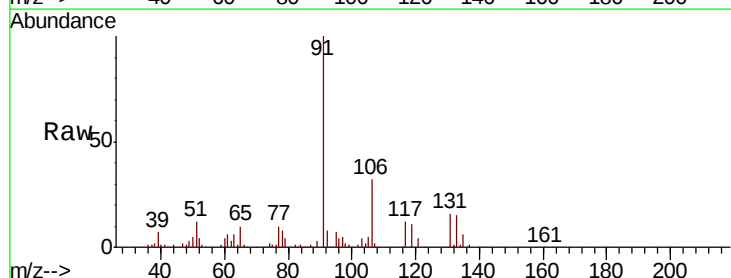
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 37556
Ion Ratio Lower Upper
112 100
114 28.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.895 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Tgt Ion:131 Resp: 12476
Ion Ratio Lower Upper
131 100
133 99.0 47.1 141.3
119 65.7 31.8 95.3

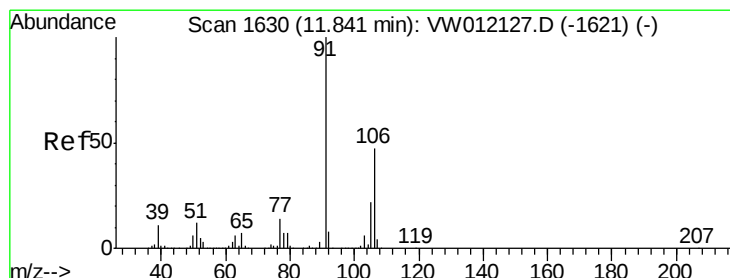
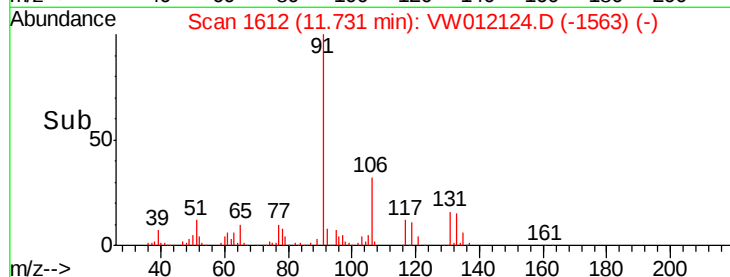
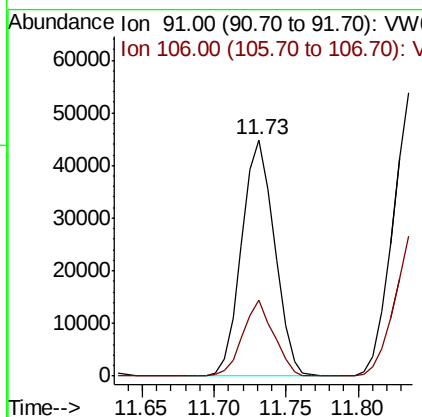
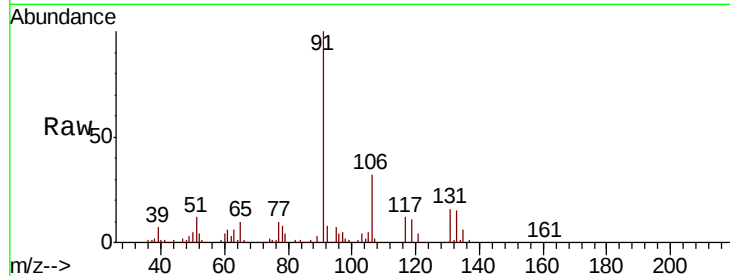




#67
Ethyl Benzene
Concen: 5.059 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

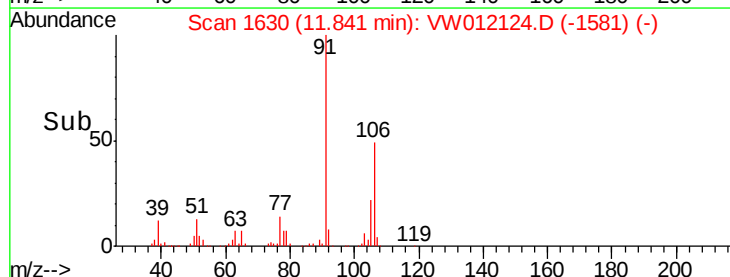
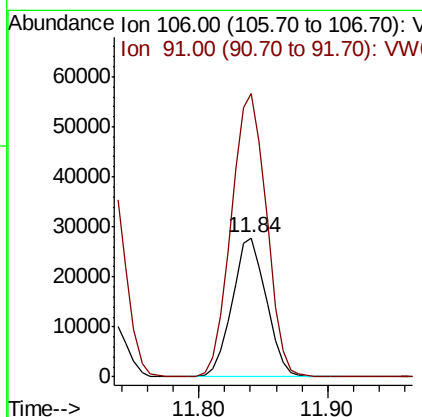
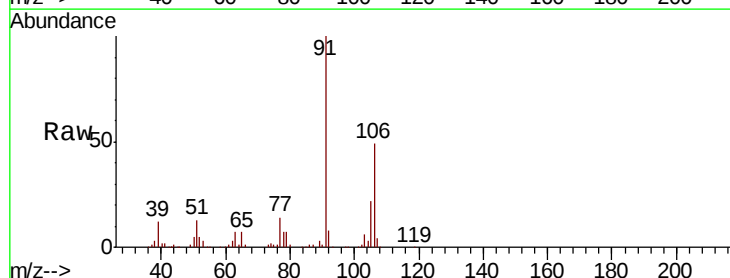
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

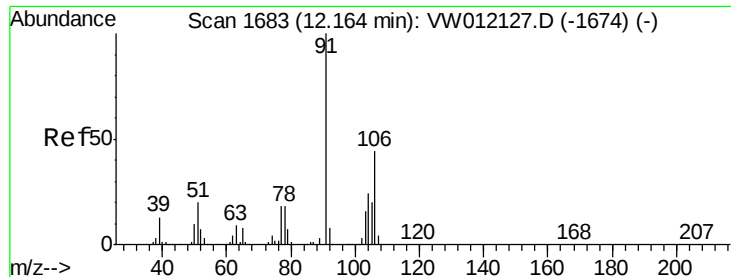
Tgt Ion: 91 Resp: 71209
Ion Ratio Lower Upper
91 100
106 32.3 24.3 36.5



#68
m/p-Xylenes
Concen: 10.068 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Tgt Ion: 106 Resp: 51045
Ion Ratio Lower Upper
106 100
91 210.0 169.5 254.3

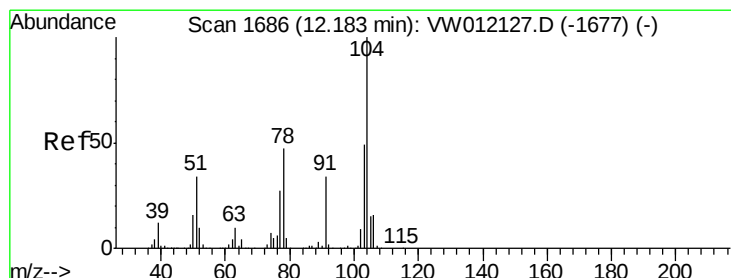
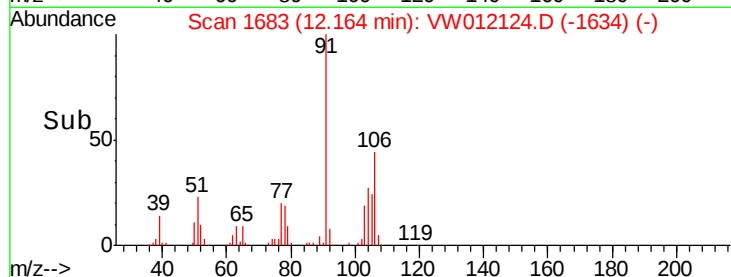
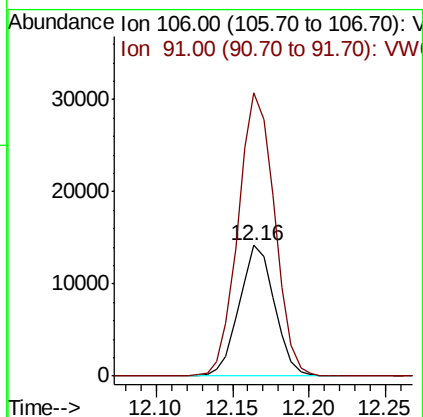
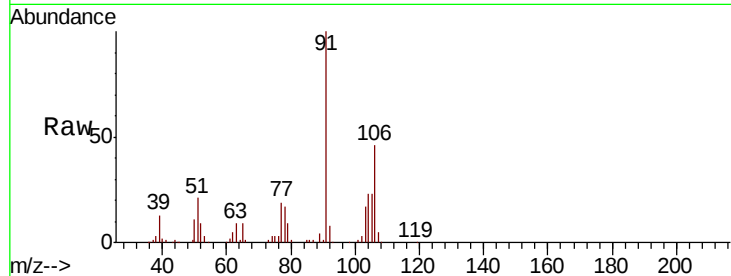




#69
o-Xylene
Concen: 4.852 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

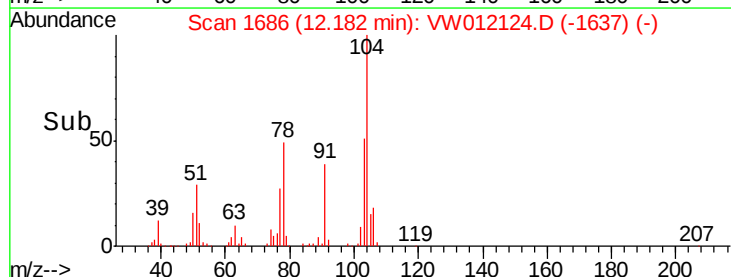
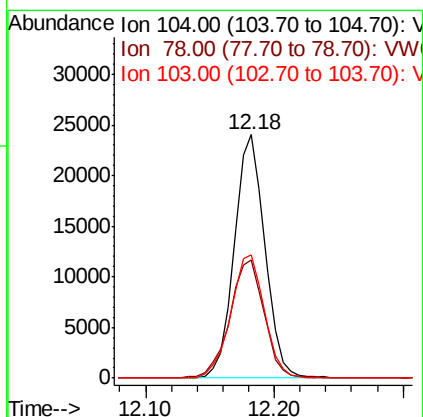
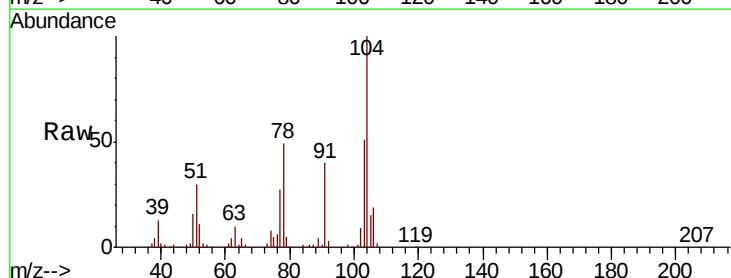
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

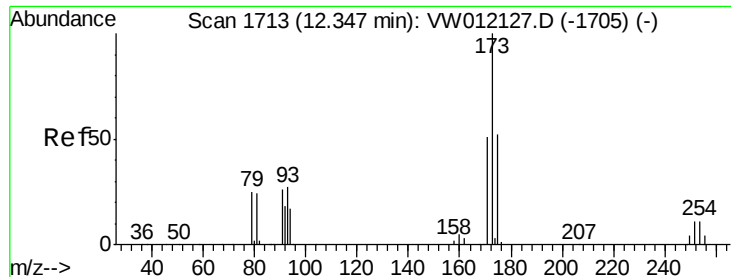
Tgt Ion:106 Resp: 22769
Ion Ratio Lower Upper
106 100
91 223.3 111.6 334.6



#70
Styrene
Concen: 4.863 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Tgt Ion:104 Resp: 39497
Ion Ratio Lower Upper
104 100
78 54.7 43.1 64.7
103 55.9 43.5 65.3

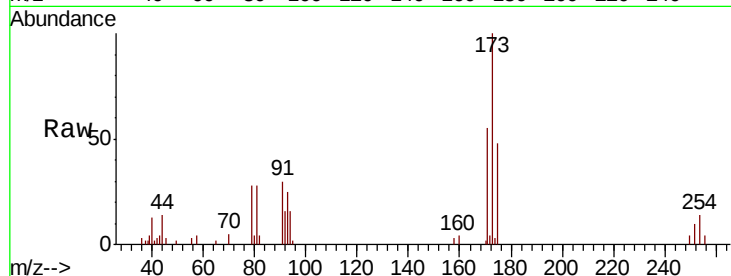




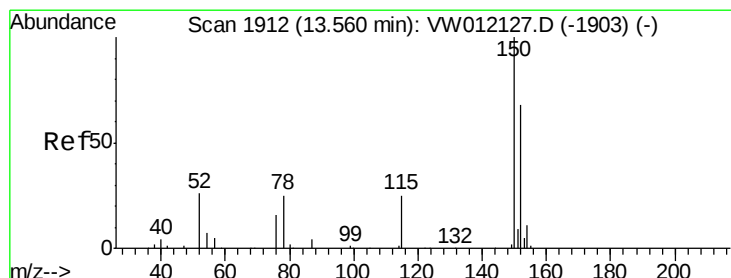
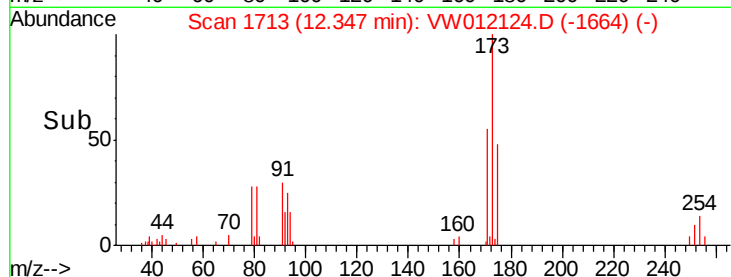
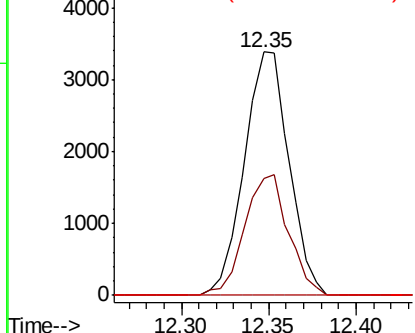
#71
Bromoform
Concen: 4.734 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:173 Resp: 6012
Ion Ratio Lower Upper
173 100
175 48.6 24.6 74.0
254 0.0 0.2 0.2#

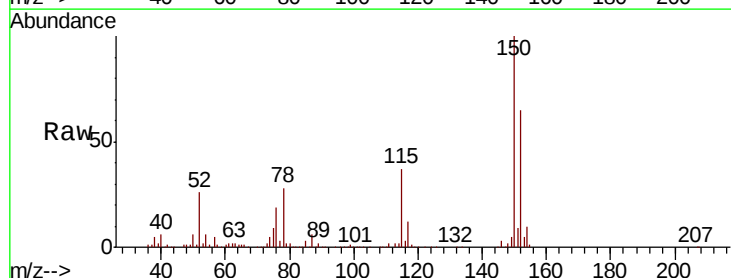


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

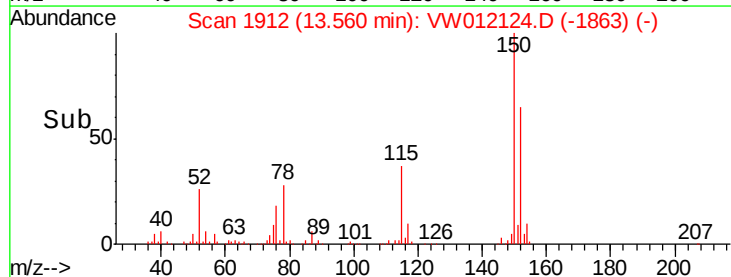
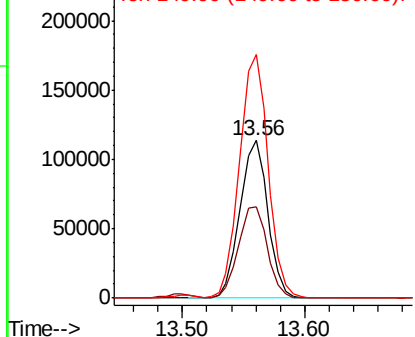


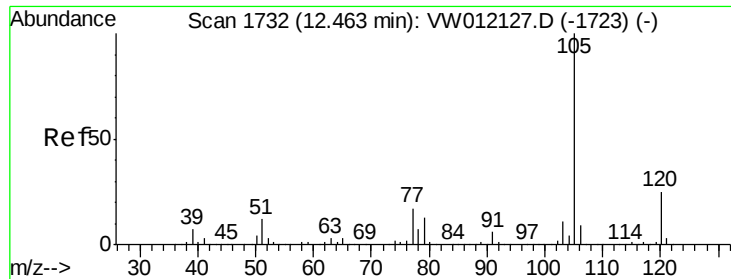
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Tgt Ion:152 Resp: 179665
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.3
150 158.2 0.0 345.8



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

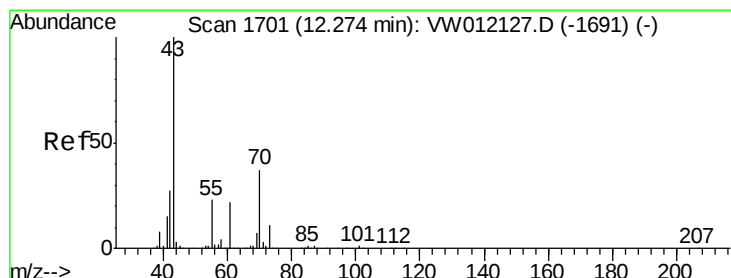
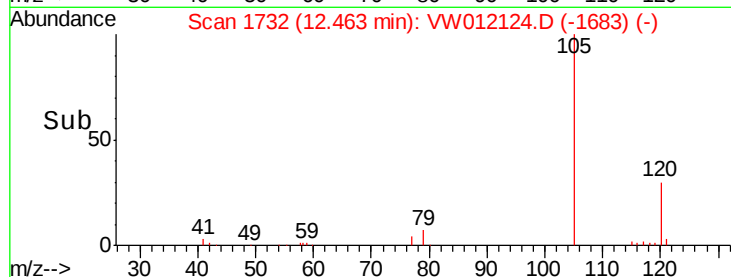
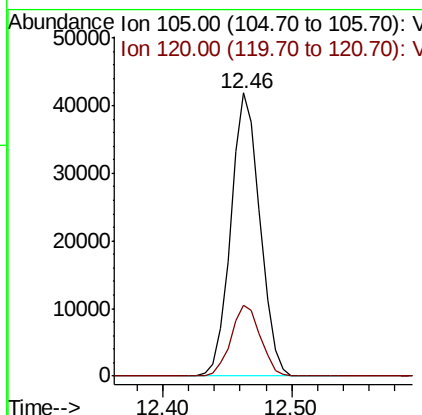
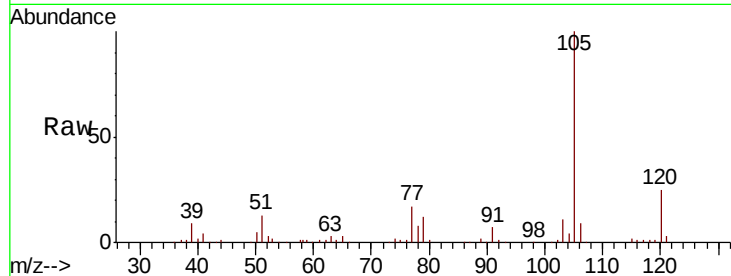




#73
Isopropylbenzene
Concen: 4.895 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

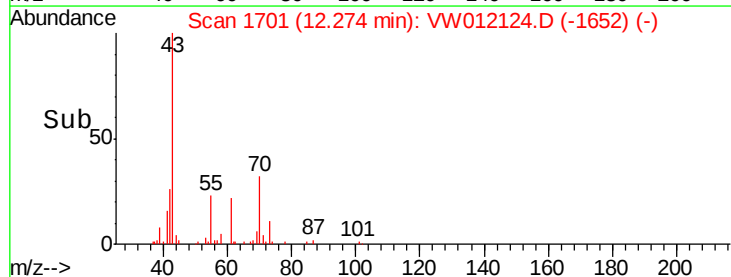
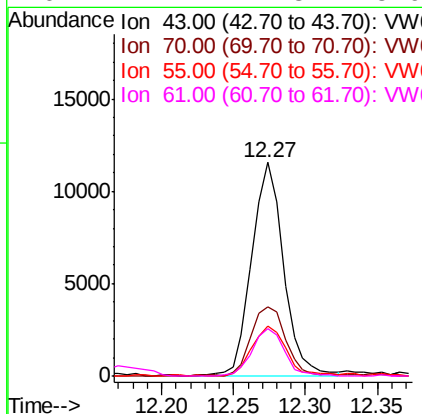
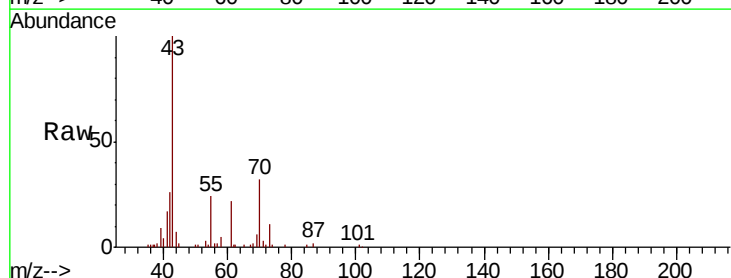
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:105 Resp: 65903
Ion Ratio Lower Upper
105 100
120 25.1 12.5 37.5



#74
N-ethyl acetate
Concen: 4.348 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Tgt Ion: 43 Resp: 17686
Ion Ratio Lower Upper
43 100
70 36.1 28.6 43.0
55 24.9 17.8 26.6
61 22.4 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 4.918 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

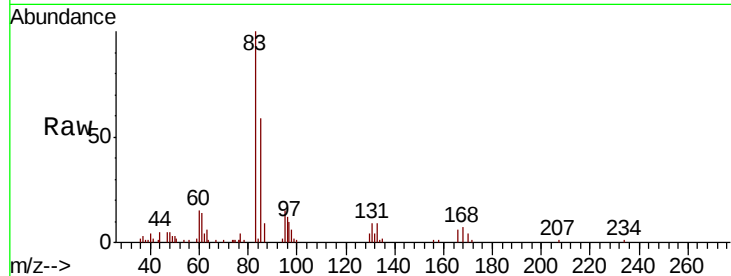
Tgt Ion: 83 Resp: 12138

Ion Ratio Lower Upper

83 100

131 12.2 4.9 14.7

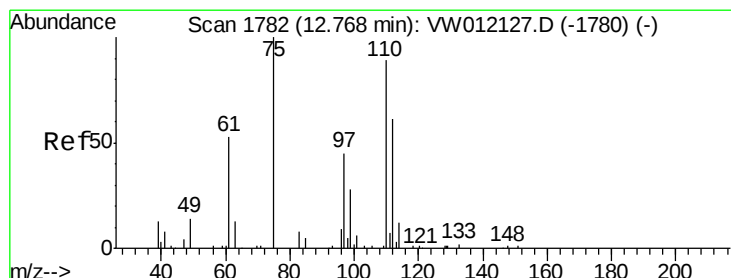
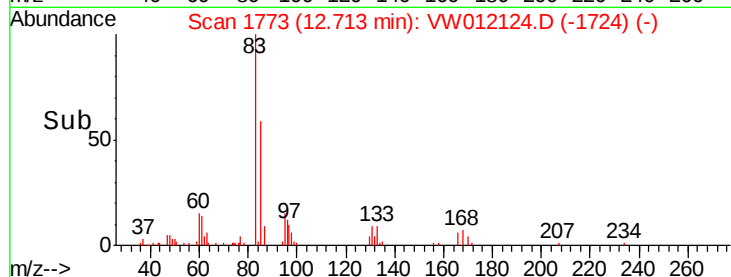
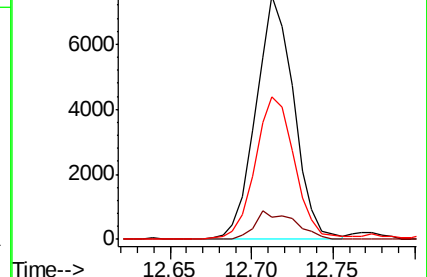
85 60.9 31.9 95.7



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: 9.351 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012124.D

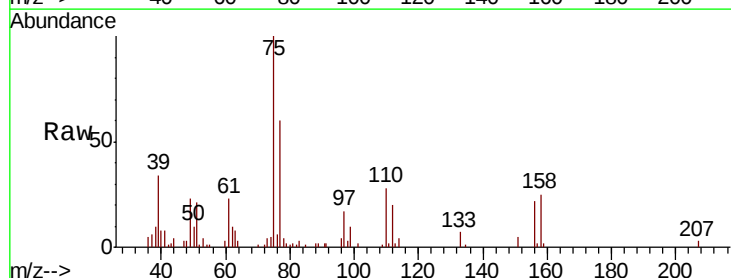
Acq: 23 Aug 2019 09:19

Tgt Ion: 75 Resp: 16188

Ion Ratio Lower Upper

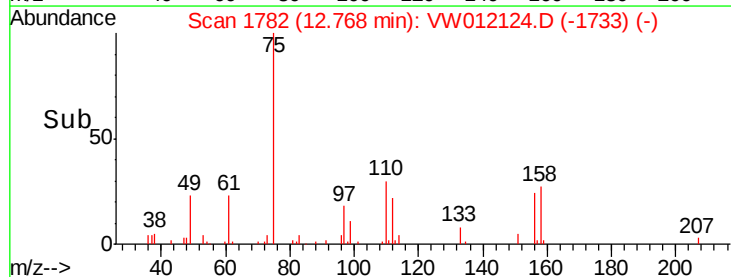
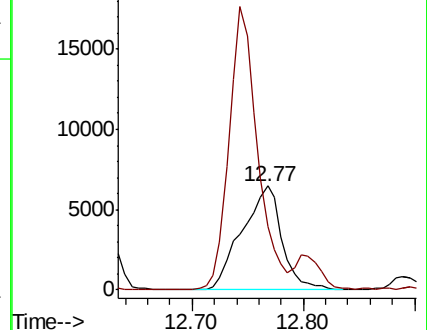
75 100

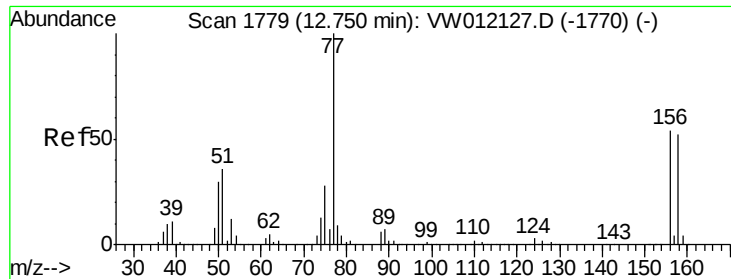
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.045 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

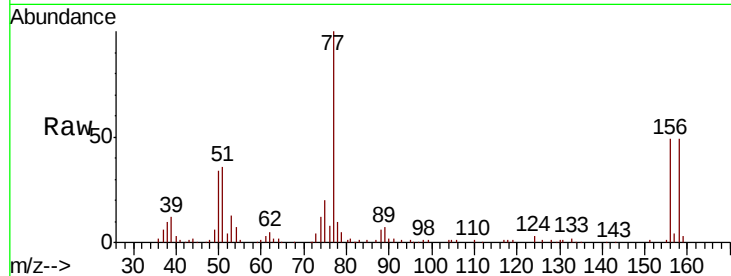
Tgt Ion: 156 Resp: 14693

Ion Ratio Lower Upper

156 100

77 213.3 107.3 321.8

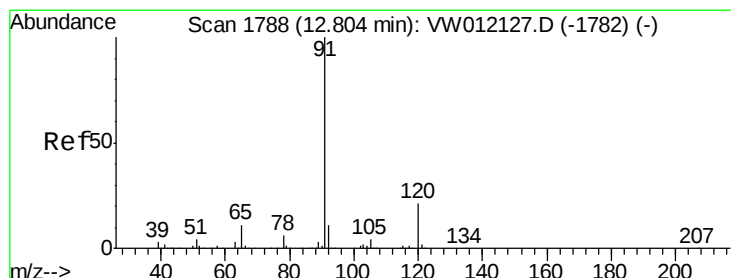
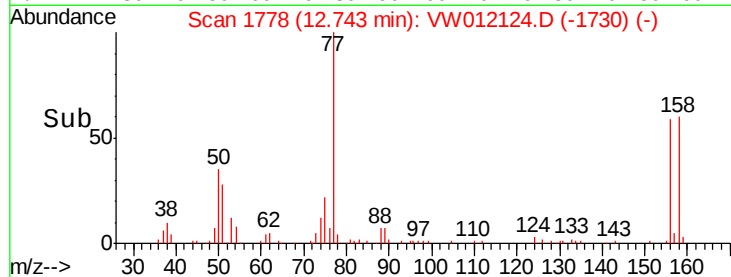
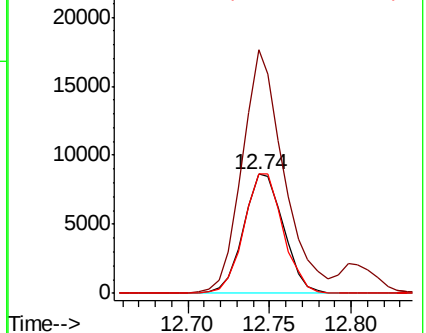
158 98.3 49.0 147.0



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: 4.884 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012124.D

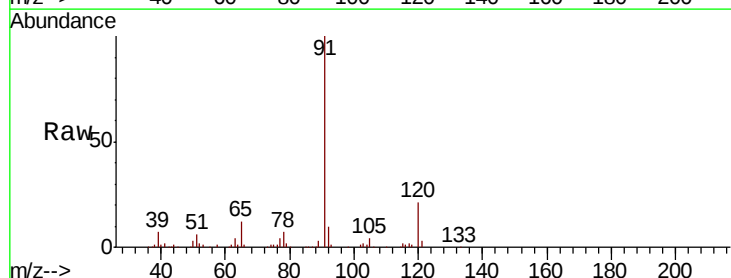
Acq: 23 Aug 2019 09:19

Tgt Ion: 91 Resp: 80276

Ion Ratio Lower Upper

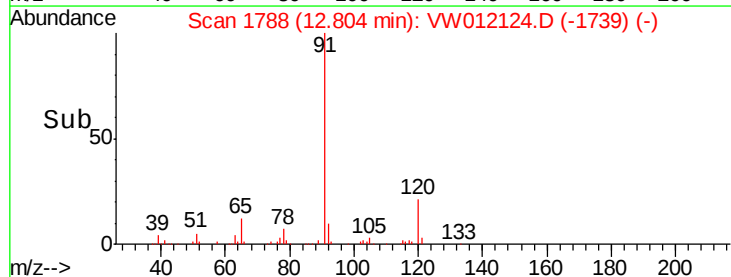
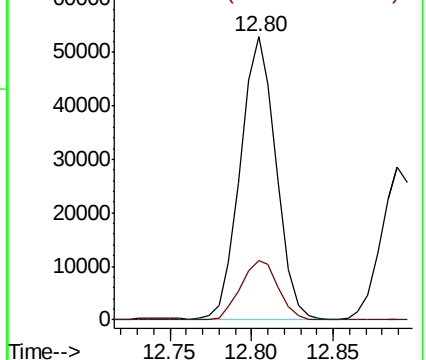
91 100

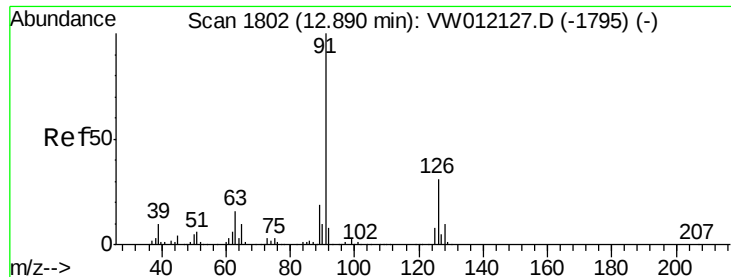
120 22.1 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.057 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

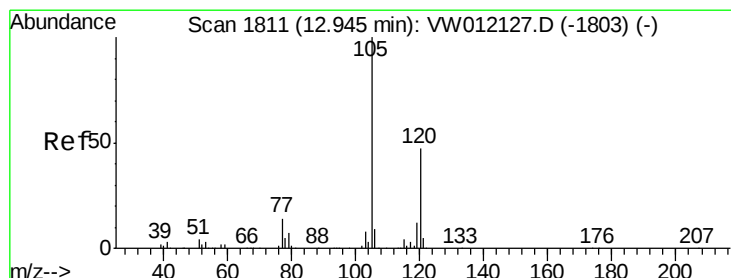
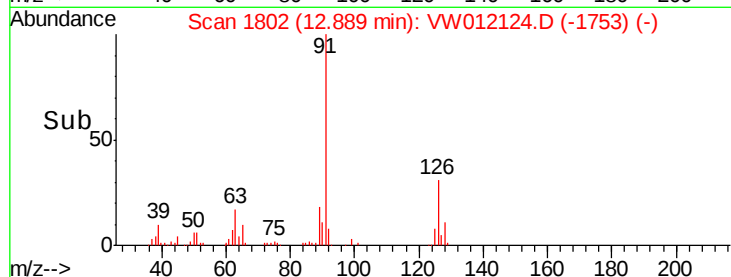
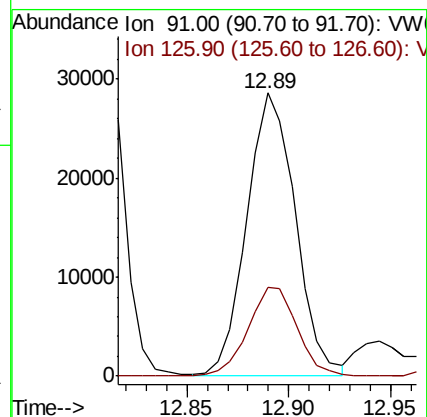
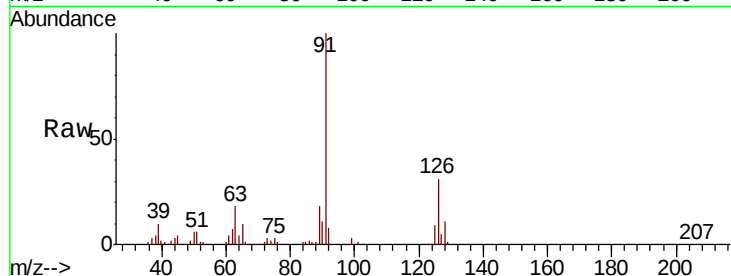
VSTDIC005

Tgt Ion: 91 Resp: 47182

Ion Ratio Lower Upper

91 100

126 31.7 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 4.878 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012124.D

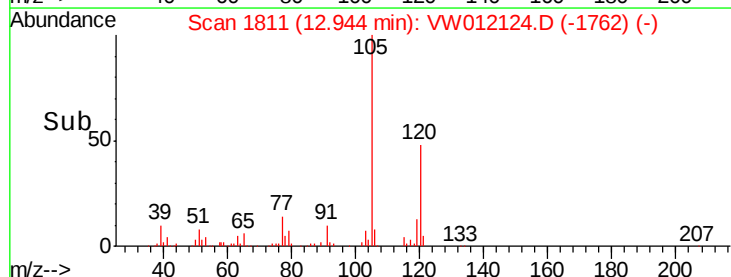
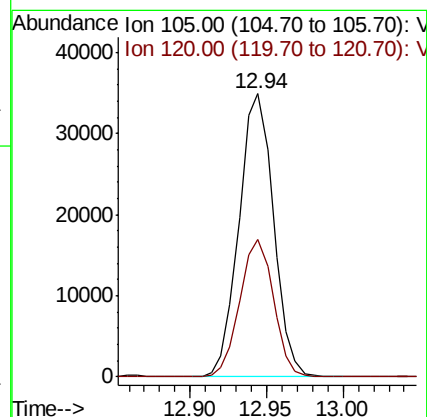
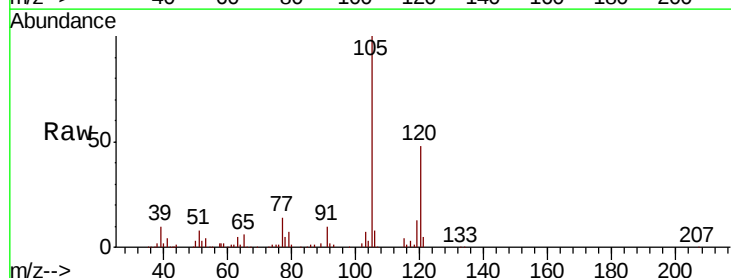
Acq: 23 Aug 2019 09:19

Tgt Ion: 105 Resp: 54871

Ion Ratio Lower Upper

105 100

120 47.6 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.136 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

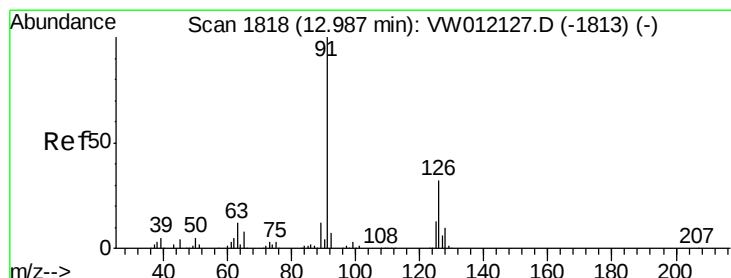
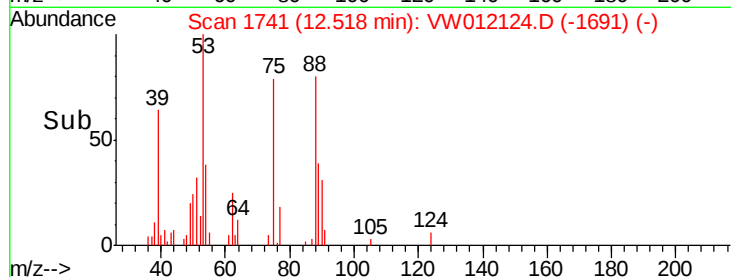
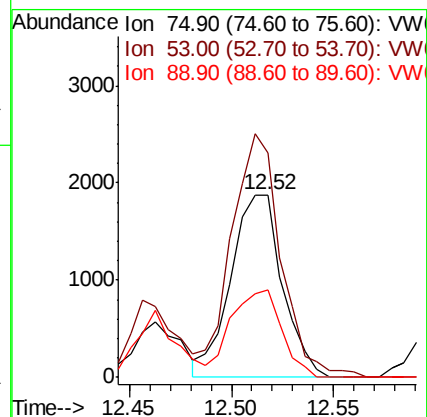
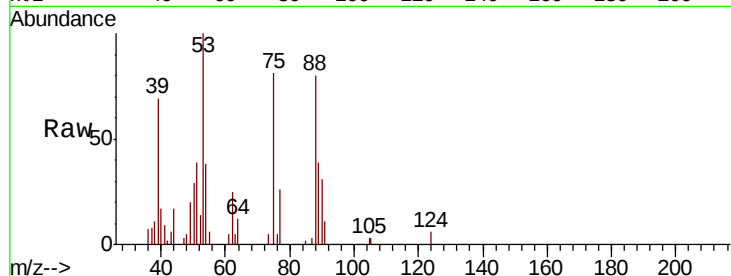
Tgt Ion: 75 Resp: 3301

Ion Ratio Lower Upper

75 100

53 128.4 89.4 134.0

89 46.8 34.5 51.7



#82

4-Chlorotoluene

Concen: 5.099 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012124.D

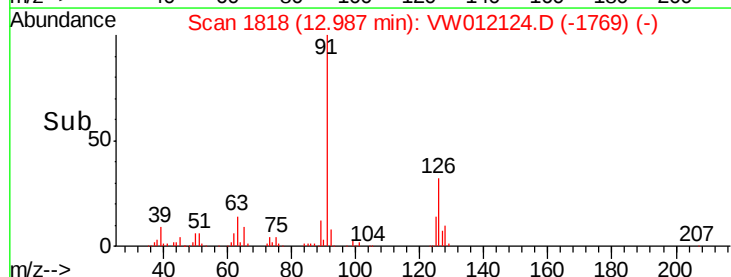
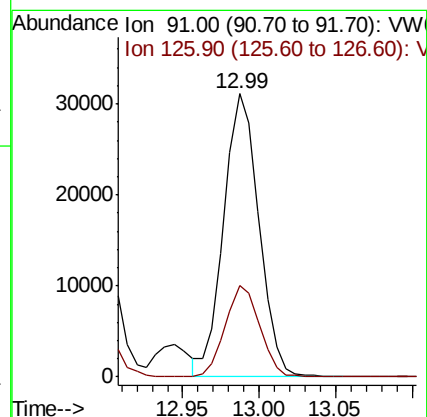
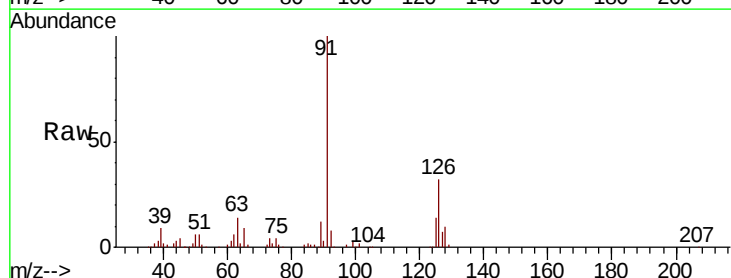
Acq: 23 Aug 2019 09:19

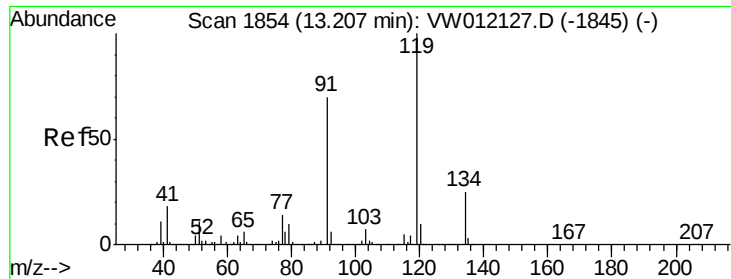
Tgt Ion: 91 Resp: 49820

Ion Ratio Lower Upper

91 100

126 31.6 15.6 46.8

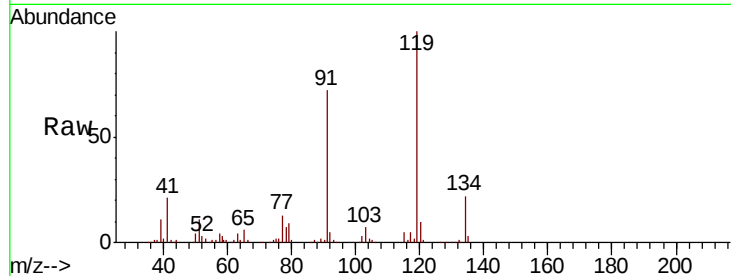




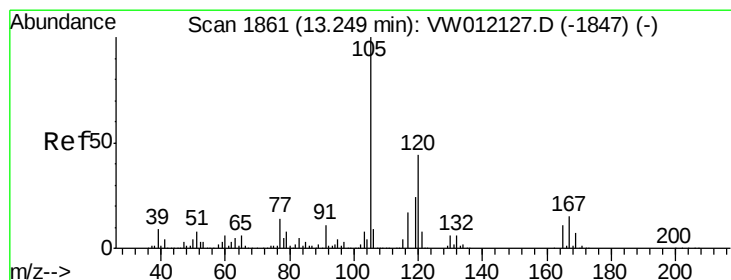
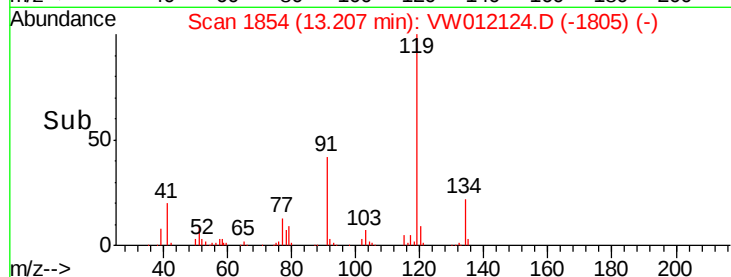
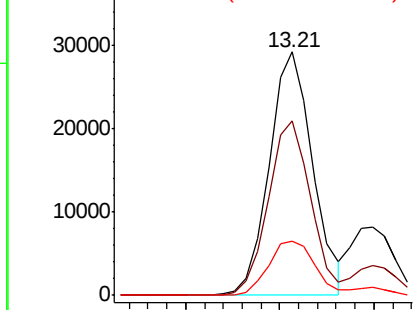
#83
tert-Butylbenzene
Concen: 4.898 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 46670
Ion Ratio Lower Upper
119 100
91 70.1 34.8 104.3
134 24.0 13.3 39.8

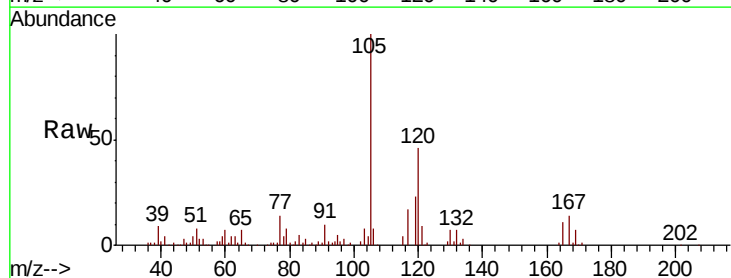


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

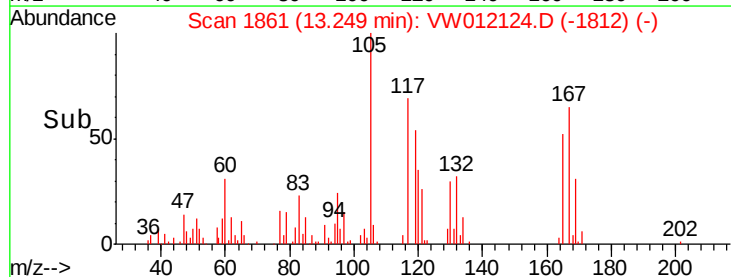
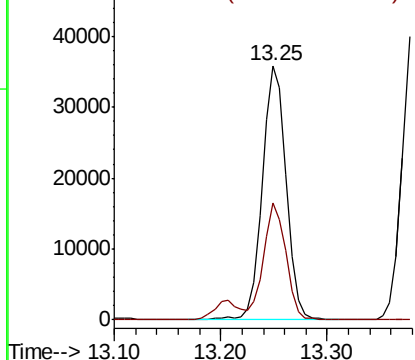


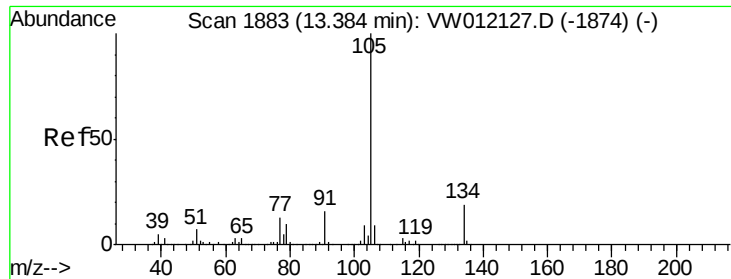
#84
1,2,4-Trimethylbenzene
Concen: 4.980 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012124.D
Acq: 23 Aug 2019 09:19

Tgt Ion:105 Resp: 56274
Ion Ratio Lower Upper
105 100
120 43.0 21.9 65.7



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

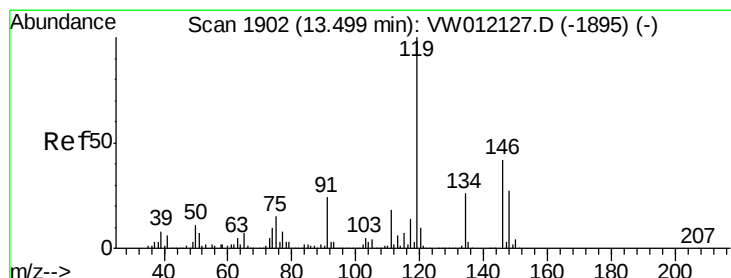
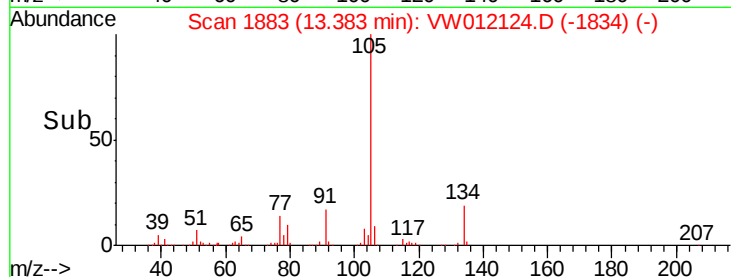
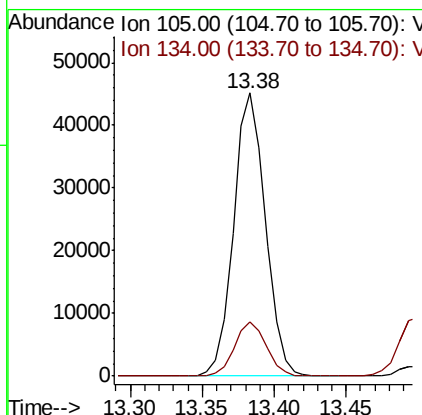
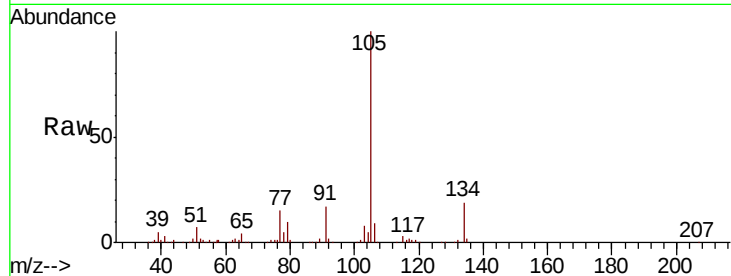




#85
 sec-Butylbenzene
 Concen: 5.072 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

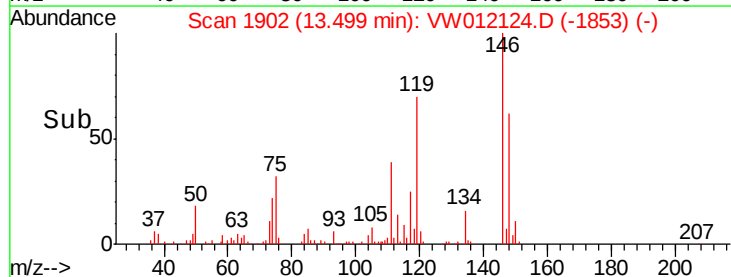
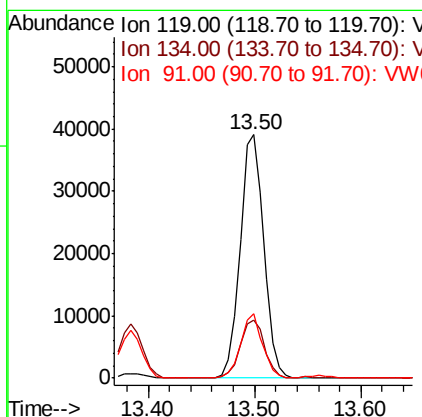
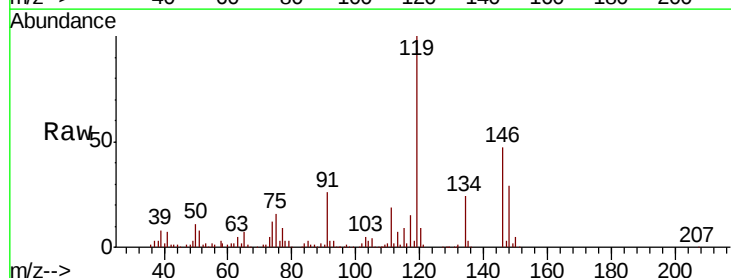
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

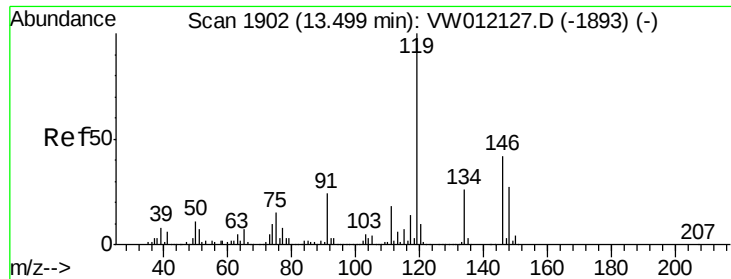
Tgt Ion:105 Resp: 69246
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 4.989 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

Tgt Ion:119 Resp: 60828
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.8 38.3
 91 24.8 12.3 36.9

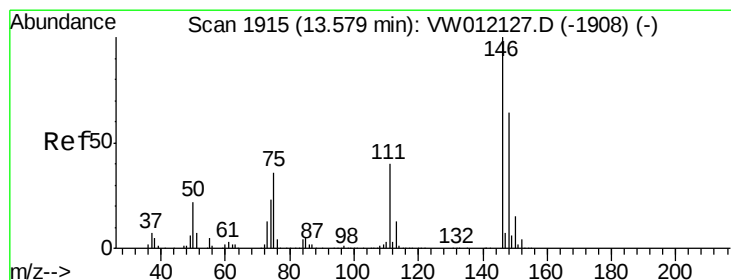
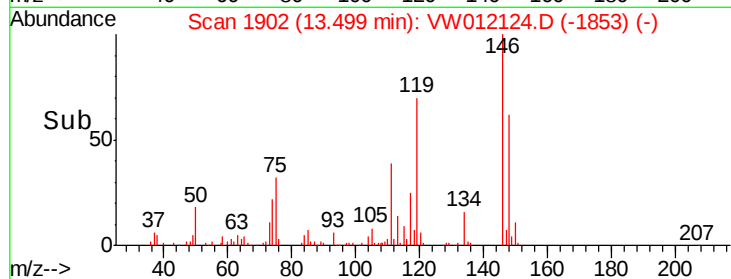
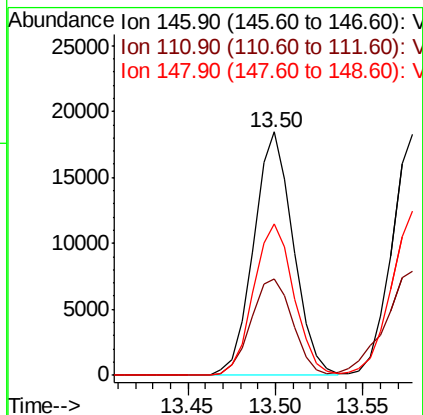
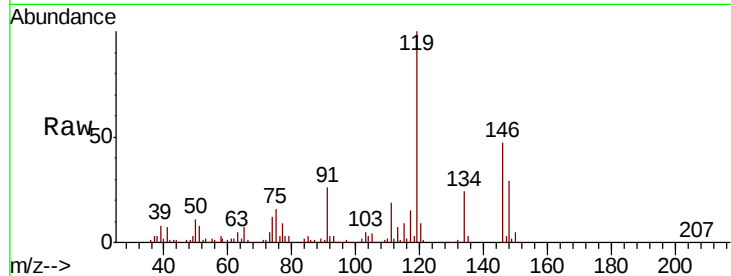




#87
 1,3-Dichlorobenzene
 Concen: 5.131 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

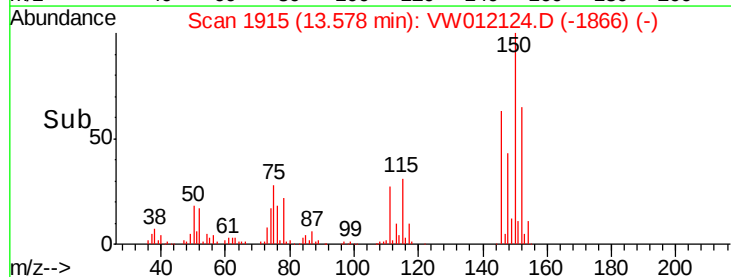
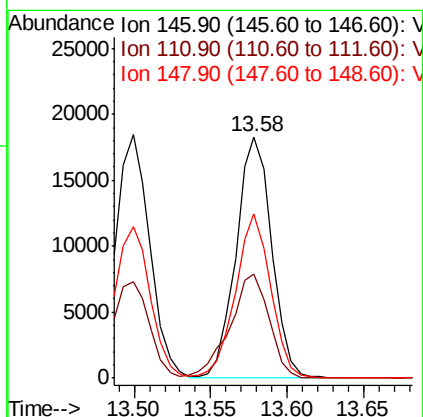
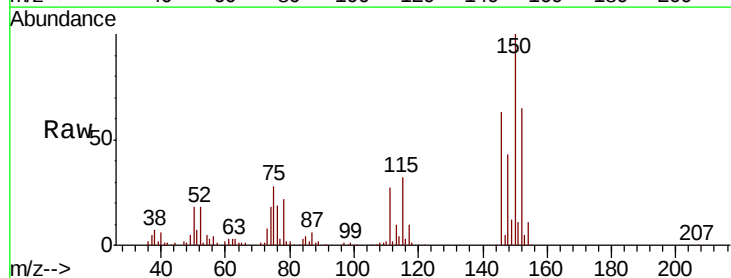
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

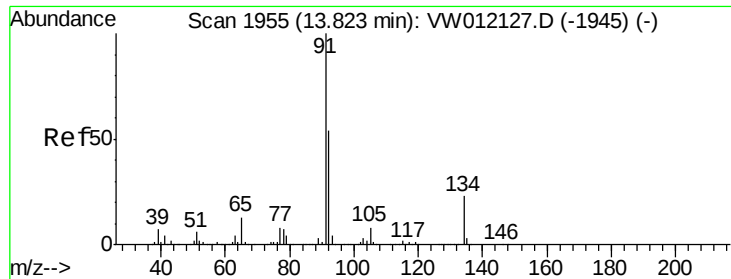
Tgt Ion:146 Resp: 29228
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.9 62.7
 148 63.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 5.229 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

Tgt Ion:146 Resp: 29580
 Ion Ratio Lower Upper
 146 100
 111 47.7 20.0 60.0
 148 67.4 32.1 96.3





#89

n-Butylbenzene

Concen: 4.900 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

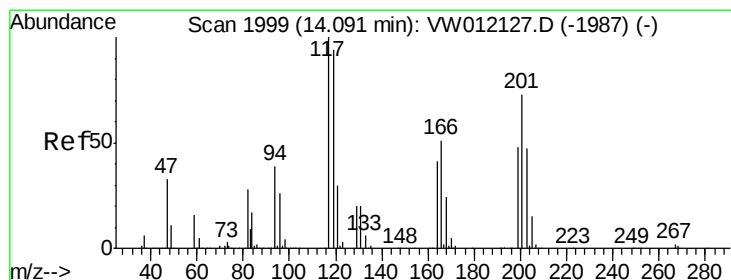
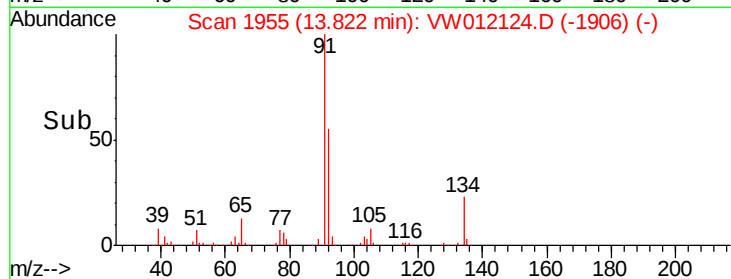
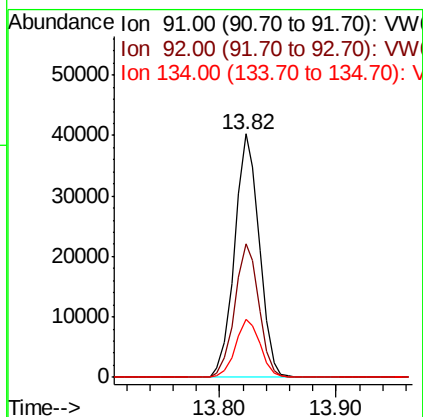
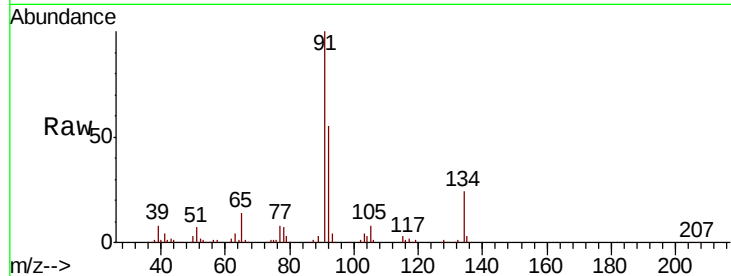
Tgt Ion: 91 Resp: 59415

Ion Ratio Lower Upper

91 100

92 53.7 27.1 81.2

134 23.6 12.2 36.4



#90

Hexachloroethane

Concen: 4.983 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012124.D

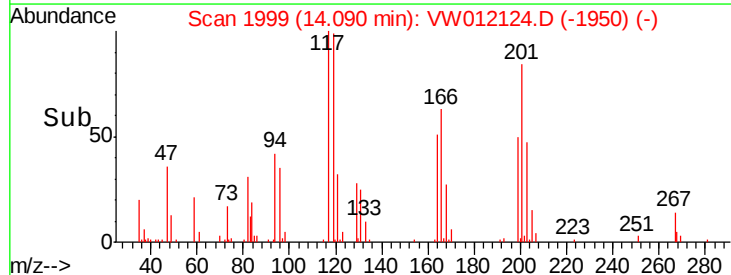
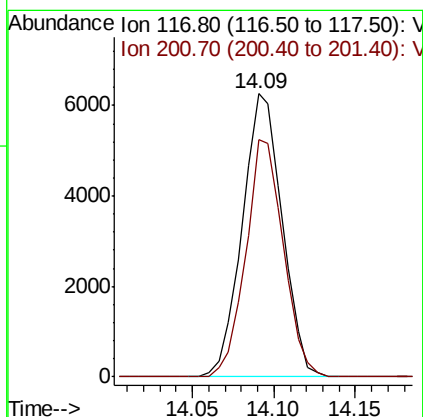
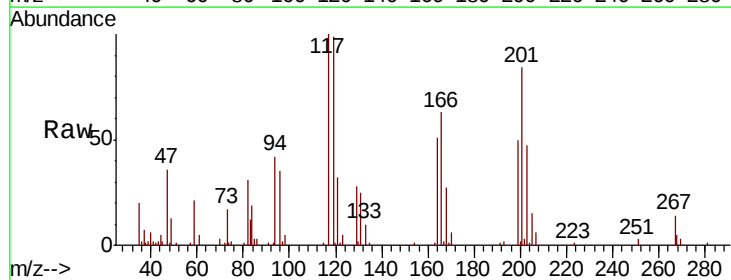
Acq: 23 Aug 2019 09:19

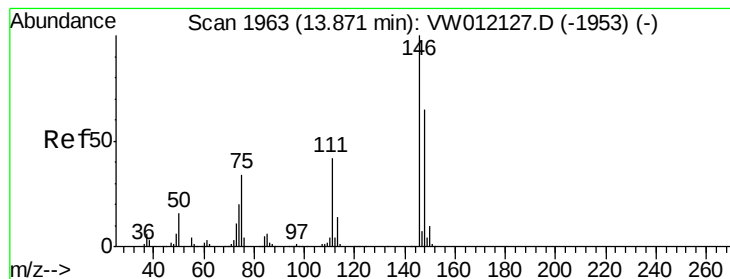
Tgt Ion: 117 Resp: 10659

Ion Ratio Lower Upper

117 100

201 79.1 38.6 115.7





#91

1,2-Dichlorobenzene

Concen: 5.084 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

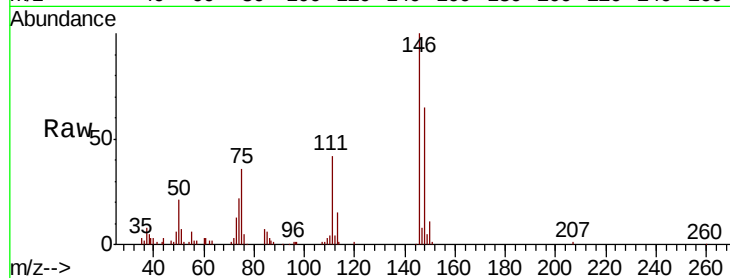
Tgt Ion:146 Resp: 25406

Ion Ratio Lower Upper

146 100

111 43.1 21.2 63.6

148 66.4 32.5 97.4

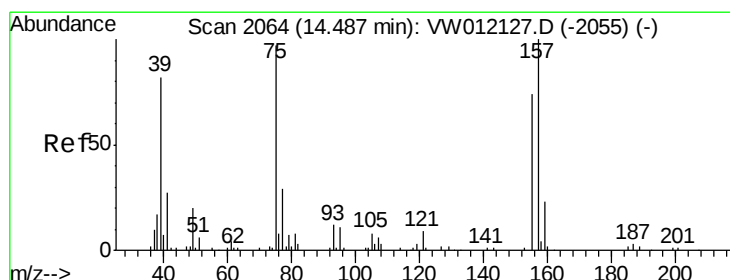
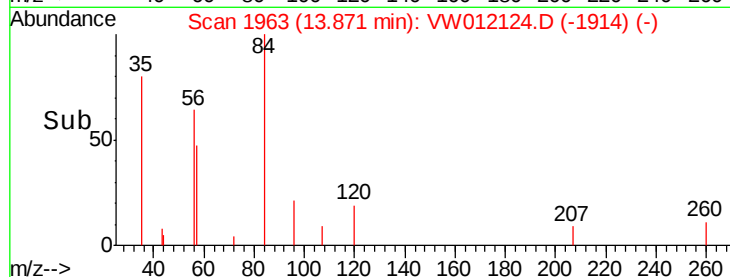
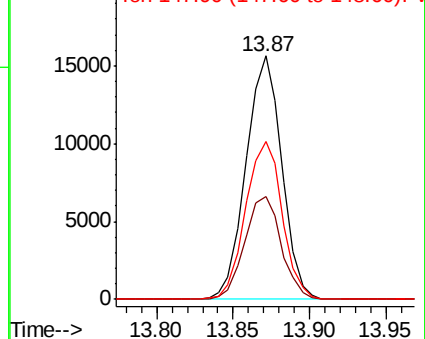


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.874 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

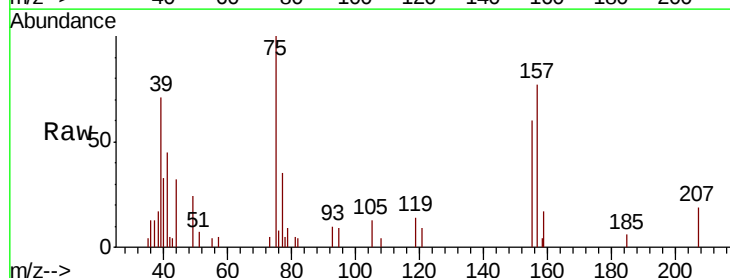
Tgt Ion: 75 Resp: 2028

Ion Ratio Lower Upper

75 100

155 74.7 37.5 112.3

157 89.9 50.5 151.5

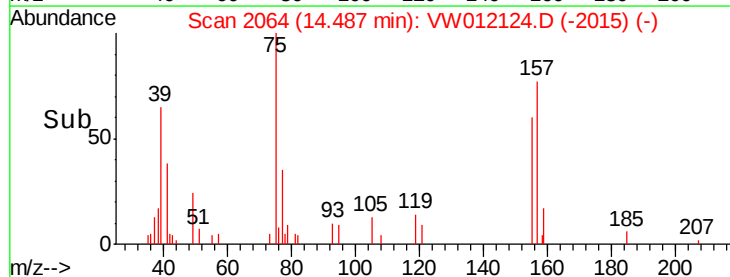
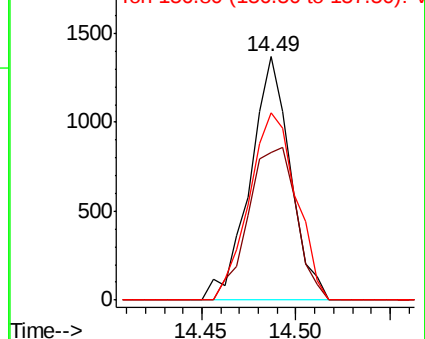


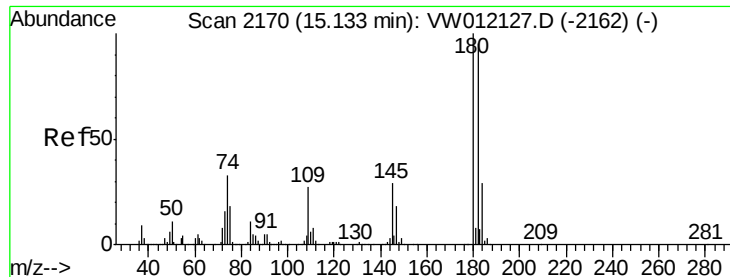
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

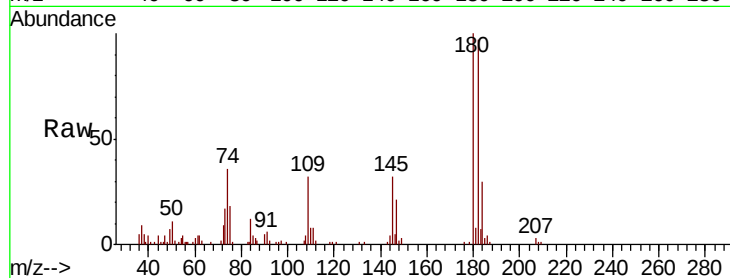




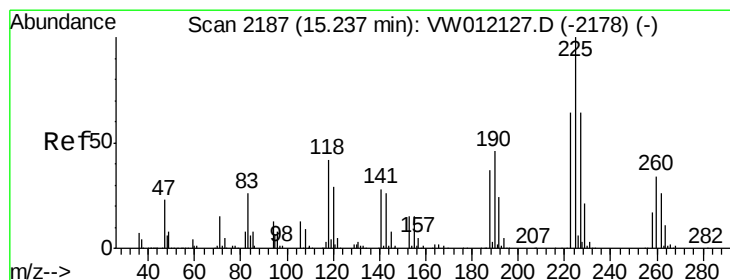
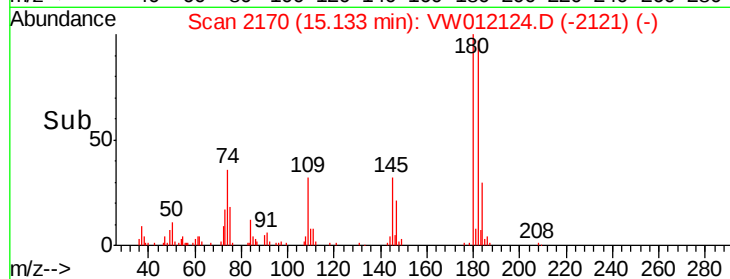
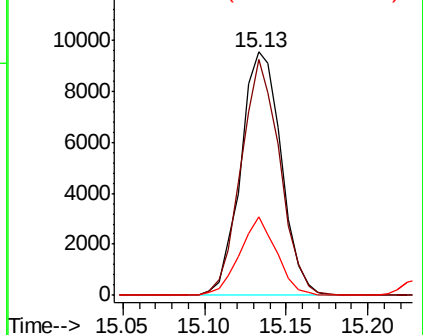
#93
 1,2,4-Trichlorobenzene
 Concen: 4.769 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 16469
 Ion Ratio Lower Upper
 180 100
 182 92.8 47.8 143.4
 145 29.2 15.0 45.1

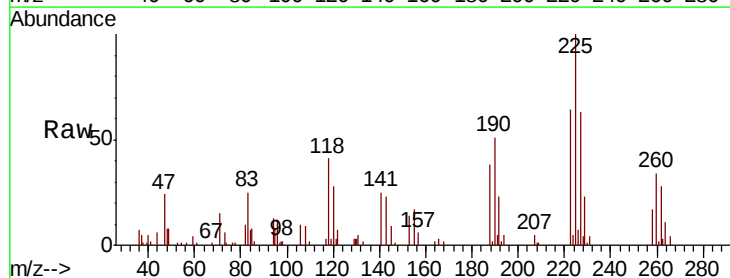


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

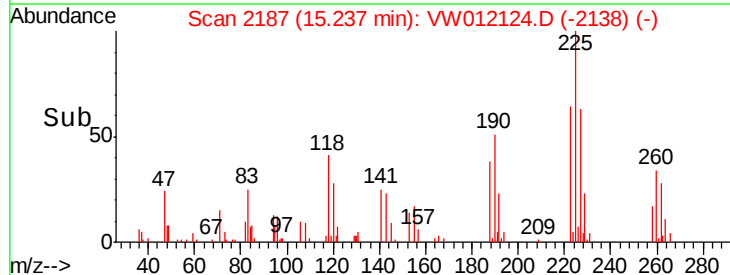
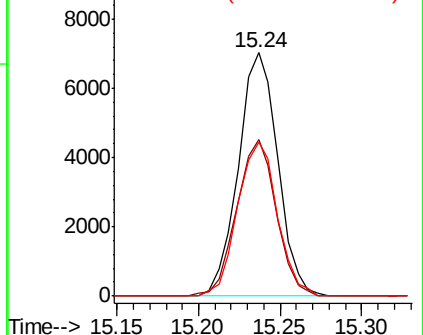


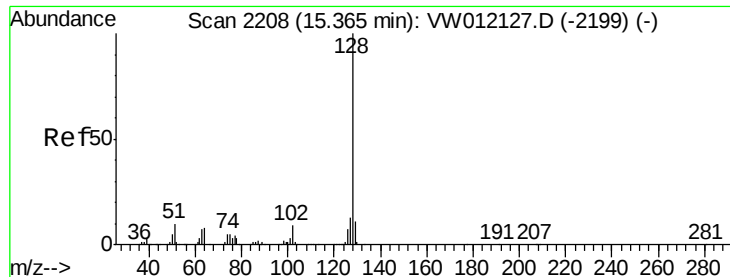
#94
 Hexachlorobutadiene
 Concen: 5.198 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012124.D
 Acq: 23 Aug 2019 09:19

Tgt Ion:225 Resp: 11853
 Ion Ratio Lower Upper
 225 100
 223 64.1 32.3 96.8
 227 63.6 32.9 98.6



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: 3.988 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

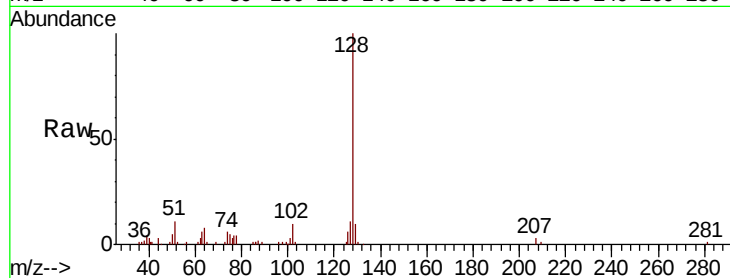
Tgt Ion:128 Resp: 24117

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

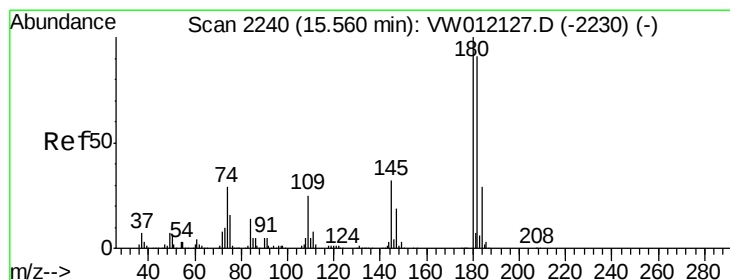
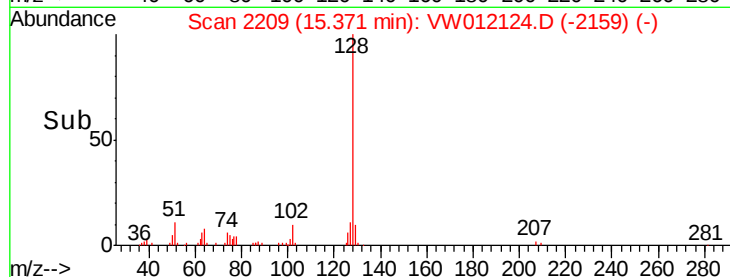
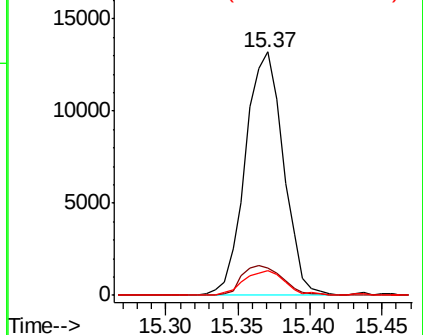
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.700 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012124.D

Acq: 23 Aug 2019 09:19

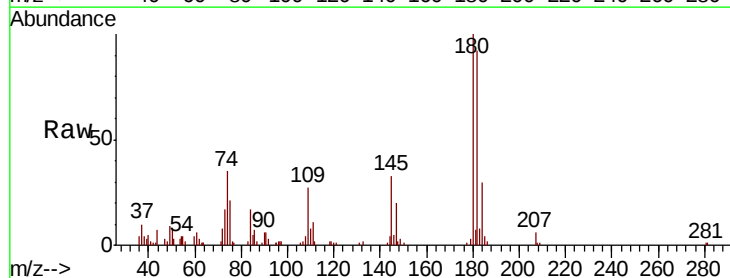
Tgt Ion:180 Resp: 14161

Ion Ratio Lower Upper

180 100

182 95.5 47.1 141.3

145 32.1 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

