

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012125.D
 Acq On : 23 Aug 2019 10:11
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: Aug 26 07:06:56 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	265833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	425057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174834	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	31131	9.85	ug/l	0.00
Spiked Amount			Recovery	=	19.70%	
35) Dibromofluoromethane	7.88	113	25466	10.04	ug/l	0.00
Spiked Amount			Recovery	=	20.08%	
50) Toluene-d8	10.32	98	100522	9.77	ug/l	0.00
Spiked Amount			Recovery	=	19.54%	
62) 4-Bromofluorobenzene	12.62	95	36228	9.99	ug/l	0.00
Spiked Amount			Recovery	=	19.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	13996	8.551	ug/l	95
3) Chloromethane	2.21	50	23981	9.457	ug/l	96
4) Vinyl Chloride	2.36	62	28967	9.333	ug/l	97
5) Bromomethane	2.78	94	14938	9.503	ug/l	97
6) Chloroethane	2.92	64	16522	9.436	ug/l	93
7) Trichlorofluoromethane	3.26	101	13539	8.687	ug/l	96
8) Diethyl Ether	3.68	74	13940	9.423	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	25364	9.574	ug/l	98
10) Methyl Iodide	4.27	142	33122	9.240	ug/l	98
11) Tert butyl alcohol	5.17	59	4426	22.992	ug/l	94
12) 1,1-Dichloroethene	4.04	96	24847	9.318	ug/l	98
13) Acrolein	3.89	56	9048	50.543	ug/l	96
14) Allyl chloride	4.67	41	52929	9.285	ug/l	99
15) Acrylonitrile	5.37	53	34462	46.998	ug/l	99
16) Acetone	4.12	43	34266	42.419	ug/l	99
17) Carbon Disulfide	4.38	76	69116	8.577	ug/l	99
18) Methyl Acetate	4.67	43	18662	9.328	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	41228	9.561	ug/l	95
20) Methylene Chloride	4.91	84	30202	9.890	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	26803	9.374	ug/l	99
22) Diisopropyl ether	6.31	45	103504	9.796	ug/l	96
23) Vinyl Acetate	6.26	43	295342	45.419	ug/l	99
24) 1,1-Dichloroethane	6.21	63	55681	9.678	ug/l	99
25) 2-Butanone	7.18	43	49439	45.039	ug/l	99
26) 2,2-Dichloropropane	7.16	77	31746	9.749	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	29055	9.511	ug/l	98
28) Bromochloromethane	7.51	49	24993	9.967	ug/l	97
29) Tetrahydrofuran	7.53	42	29722	45.131	ug/l	98
30) Chloroform	7.68	83	52065	9.892	ug/l	100
31) Cyclohexane	7.96	56	55483	9.748	ug/l	# 88
32) 1,1,1-Trichloroethane	7.87	97	39929	9.589	ug/l	98
36) 1,1-Dichloropropene	8.09	75	41970	9.555	ug/l	99
37) Ethyl Acetate	7.26	43	22130	9.194	ug/l	99
38) Carbon Tetrachloride	8.07	117	36125	9.502	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	45527	9.226	ug/l	96
40) Benzene	8.32	78	115980	9.670	ug/l	99
41) Methacrylonitrile	7.49	41	13766	9.731	ug/l	97
42) 1,2-Dichloroethane	8.40	62	36738	9.773	ug/l	99
43) Isopropyl Acetate	8.43	43	41112	9.221	ug/l	99
44) Trichloroethene	9.09	130	28108	9.640	ug/l	99
45) 1,2-Dichloropropane	9.37	63	31451	9.743	ug/l	96
46) Dibromomethane	9.46	93	13297	9.258	ug/l	98
47) Bromodichloromethane	9.65	83	36231	9.479	ug/l	99
48) Methyl methacrylate	9.44	41	18780	8.850	ug/l	96
49) 1,4-Dioxane	9.45	88	4338	197.302	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	104516	46.088	ug/l	99
52) Toluene	10.39	92	68961	9.571	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	35262	9.057	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	43810	9.319	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	20316	9.998	ug/l	97
56) Ethyl methacrylate	10.65	69	26449	8.943	ug/l	97
57) 1,3-Dichloropropane	10.93	76	37212	9.691	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	67978	44.786	ug/l	100
59) 2-Hexanone	10.97	43	71163	44.350	ug/l	100
60) Dibromochloromethane	11.13	129	20756	9.170	ug/l	96
61) 1,2-Dibromoethane	11.23	107	17779	9.391	ug/l	98
64) Tetrachloroethene	10.86	164	22479	9.437	ug/l	97
65) Chlorobenzene	11.66	112	70930	9.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	24031	9.522	ug/l	96
67) Ethyl Benzene	11.73	91	132157	9.483	ug/l	99
68) m/p-Xylenes	11.84	106	95893	19.103	ug/l	99
69) o-Xylene	12.17	106	44577	9.595	ug/l	100
70) Styrene	12.18	104	75314	9.365	ug/l	99
71) Bromoform	12.35	173	11386	9.055	ug/l #	99
73) Isopropylbenzene	12.46	105	126188	9.632	ug/l	98
74) N-amyl acetate	12.27	43	35774	9.038	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	23345	9.720	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	30091	17.862	ug/l #	100
77) Bromobenzene	12.75	156	27225	9.606	ug/l	99
78) n-propylbenzene	12.80	91	153777	9.615	ug/l	99
79) 2-Chlorotoluene	12.89	91	88013	9.693	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	105662	9.652	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	6713	8.644	ug/l	95
82) 4-Chlorotoluene	12.99	91	94440	9.933	ug/l	100
83) tert-Butylbenzene	13.21	119	90152	9.722	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	106420	9.678	ug/l	99
85) sec-Butylbenzene	13.38	105	128795	9.695	ug/l	99
86) p-Isopropyltoluene	13.50	119	114927	9.687	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	55589	10.028	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	54636	9.926	ug/l	96
89) n-Butylbenzene	13.82	91	112361	9.523	ug/l	99
90) Hexachloroethane	14.10	117	19281	9.263	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	48287	9.929	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3862	9.538	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	30859	9.182	ug/l	100
94) Hexachlorobutadiene	15.24	225	21709	9.783	ug/l	99
95) Naphthalene	15.37	128	50132	8.519	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	27239	9.290	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: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

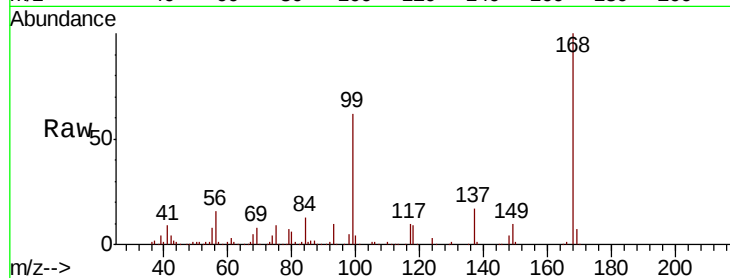
VSTDIC010

Tgt Ion:168 Resp: 265833

Ion Ratio Lower Upper

168 100

99 61.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

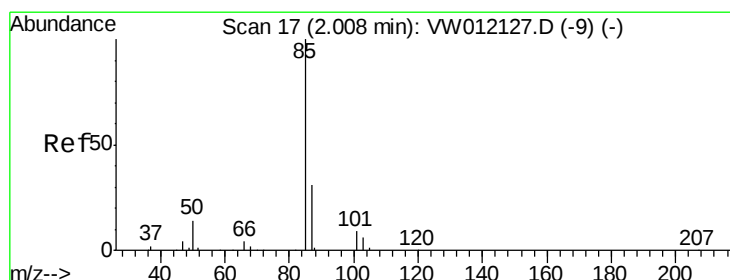
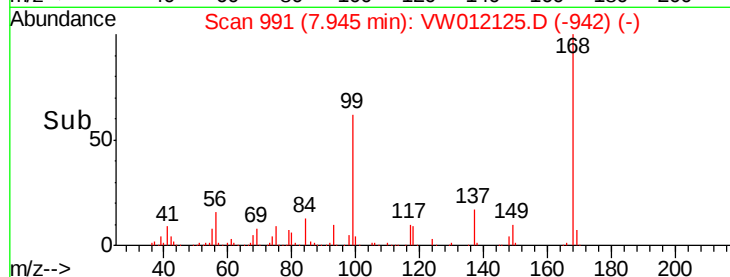
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 8.551 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012125.D

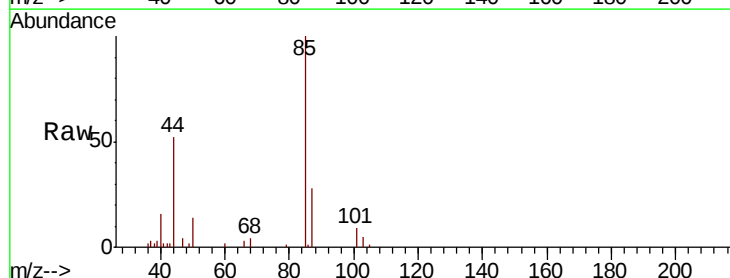
Acq: 23 Aug 2019 10:11

Tgt Ion: 85 Resp: 13996

Ion Ratio Lower Upper

85 100

87 28.2 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

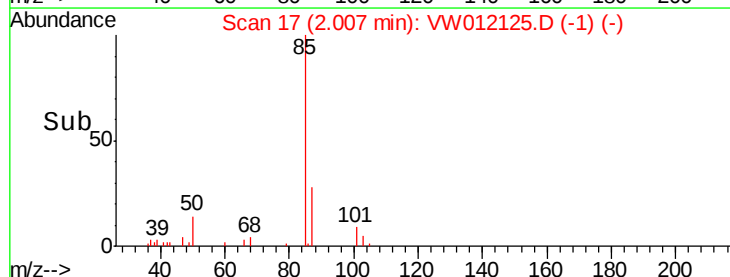
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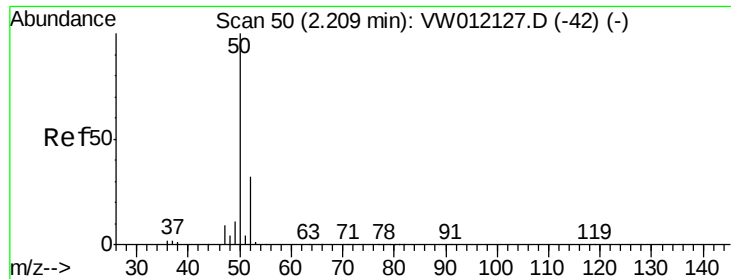
2000

1000

0

Time-->





#3

Chloromethane

Concen: 9.457 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

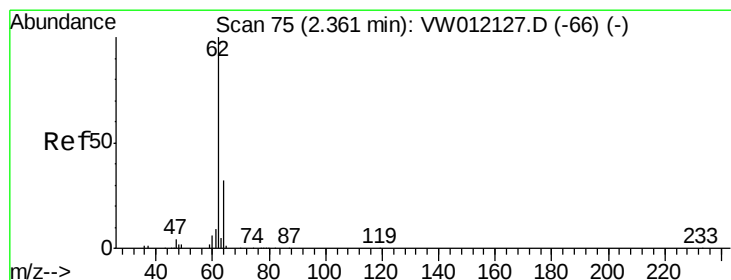
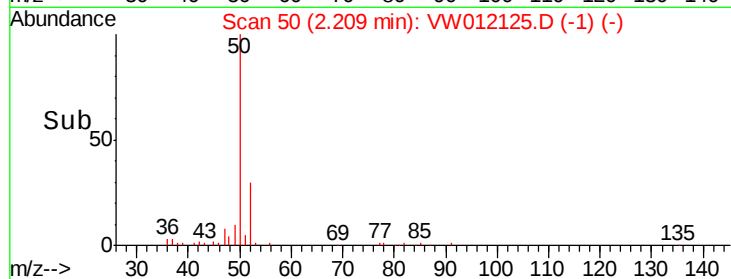
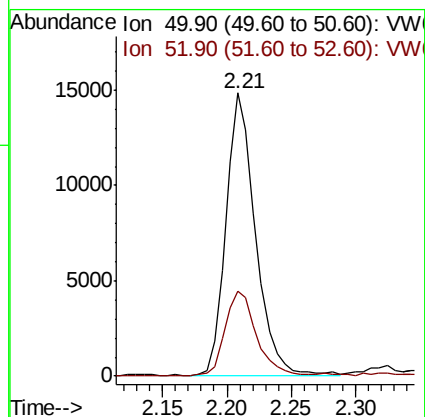
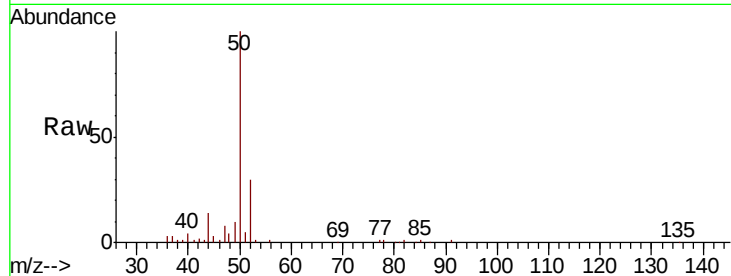
VSTDIC010

Tgt Ion: 50 Resp: 23981

Ion Ratio Lower Upper

50 100

52 29.9 25.5 38.3



#4

Vinyl Chloride

Concen: 9.333 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012125.D

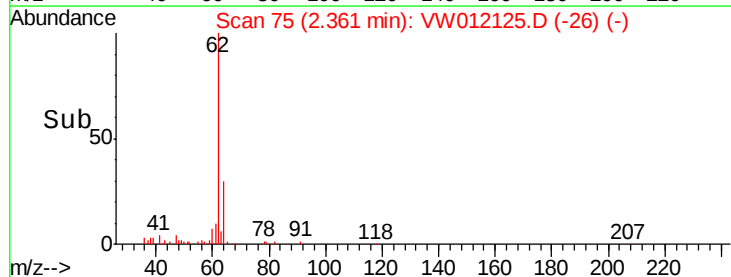
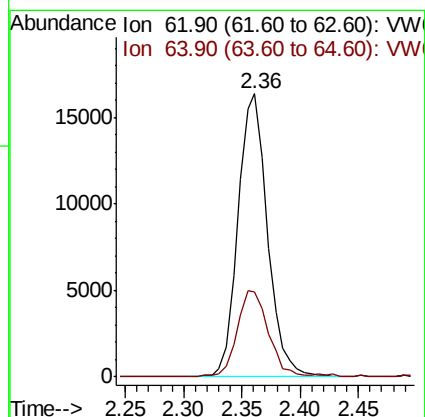
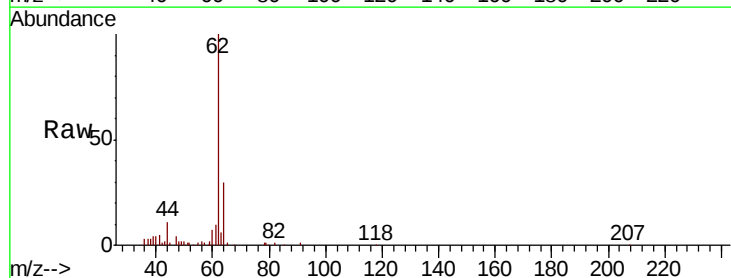
Acq: 23 Aug 2019 10:11

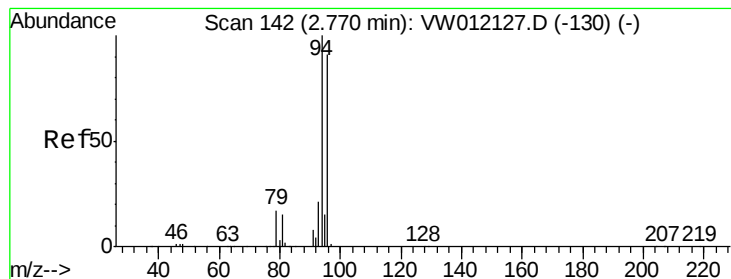
Tgt Ion: 62 Resp: 28967

Ion Ratio Lower Upper

62 100

64 30.0 25.3 37.9





#5

Bromomethane

Concen: 9.503 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

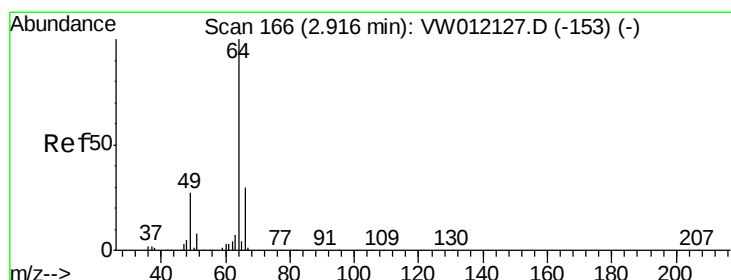
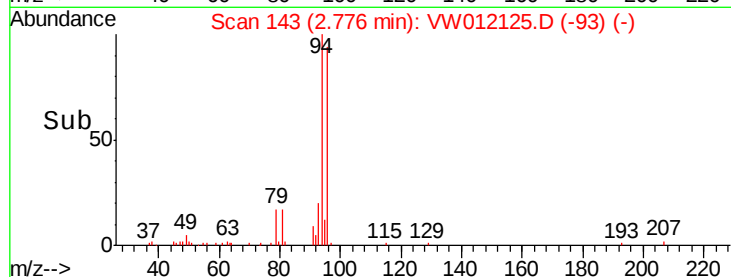
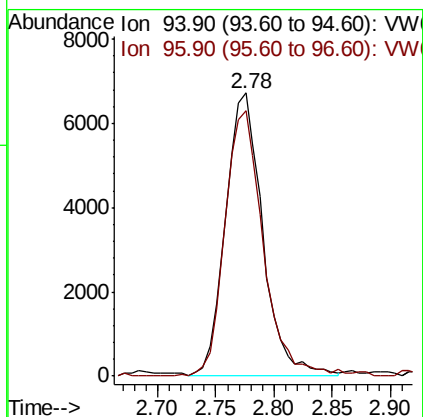
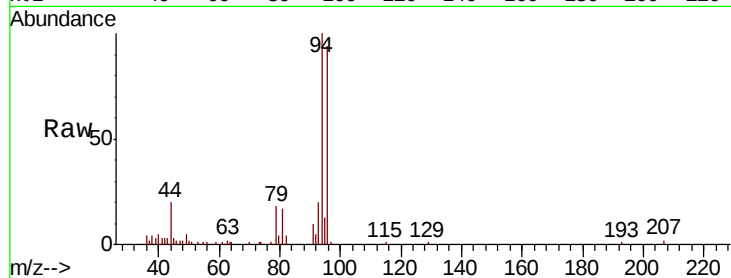
VSTDIC010

Tgt Ion: 94 Resp: 14938

Ion Ratio Lower Upper

94 100

96 94.0 72.9 109.3



#6

Chloroethane

Concen: 9.436 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012125.D

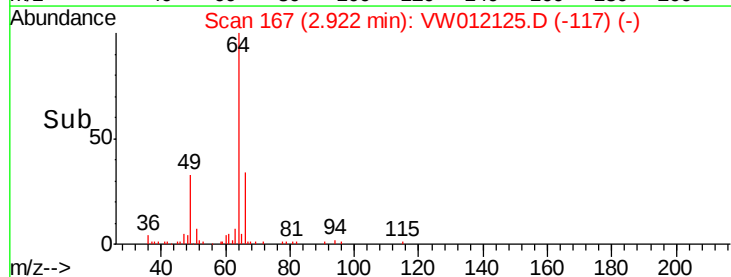
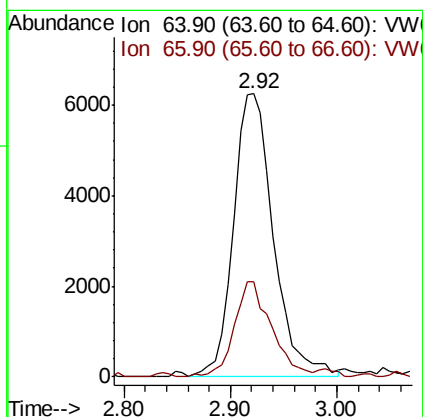
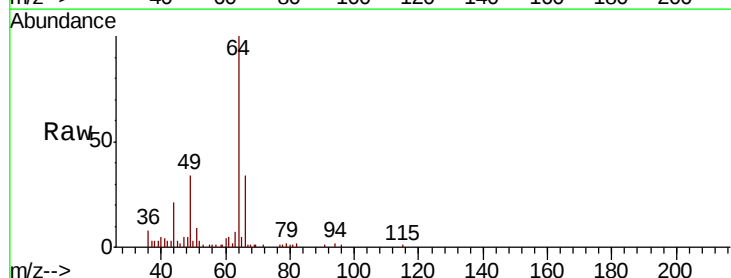
Acq: 23 Aug 2019 10:11

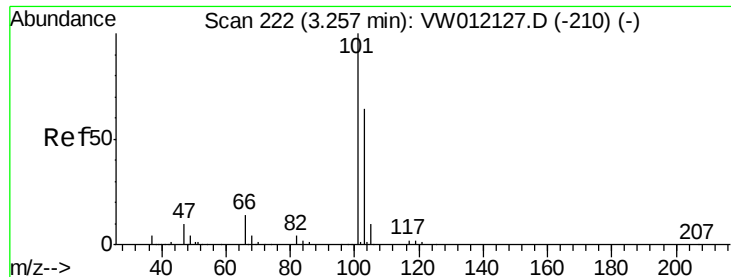
Tgt Ion: 64 Resp: 16522

Ion Ratio Lower Upper

64 100

66 33.8 23.8 35.8



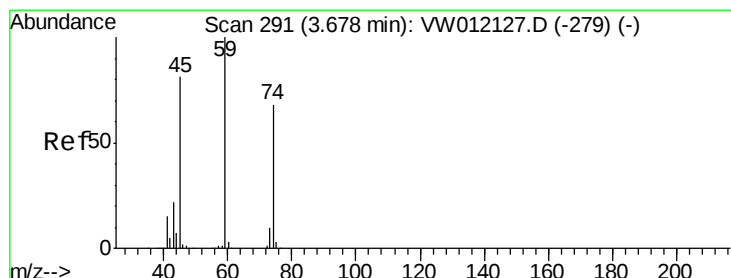
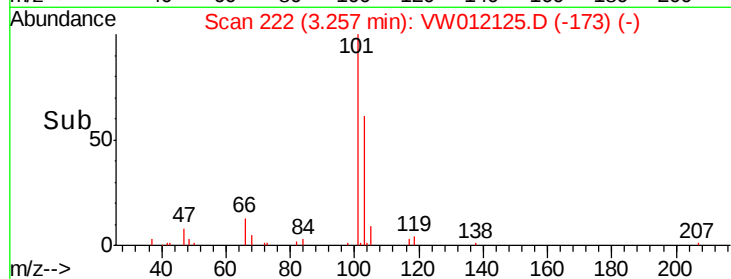
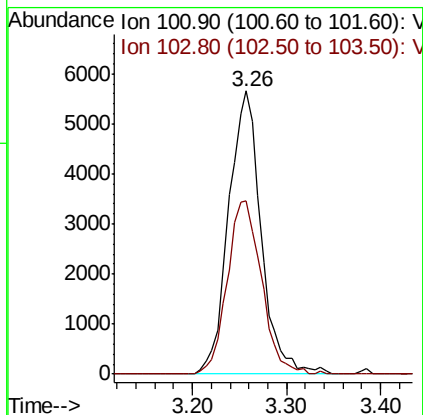
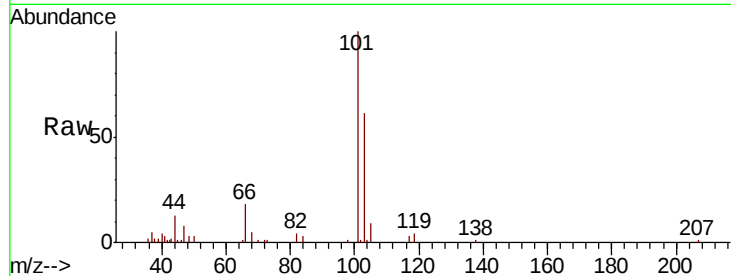


#7

Trichlorofluoromethane
 Concen: 8.687 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012125.D
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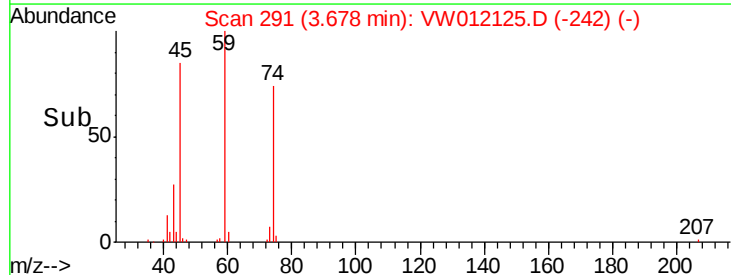
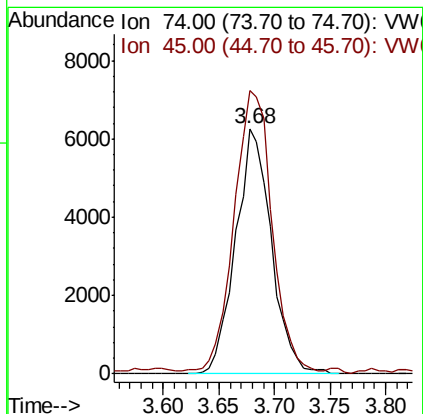
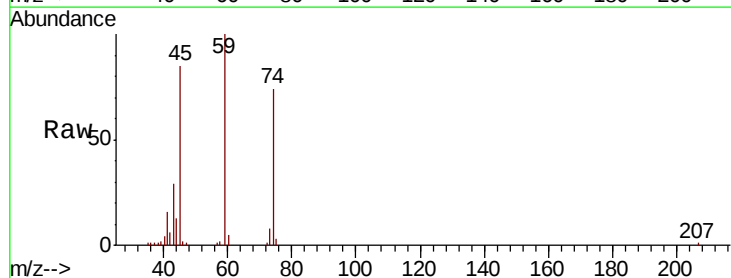
Tgt Ion:101 Resp: 13539
 Ion Ratio Lower Upper
 101 100
 103 61.1 51.2 76.8

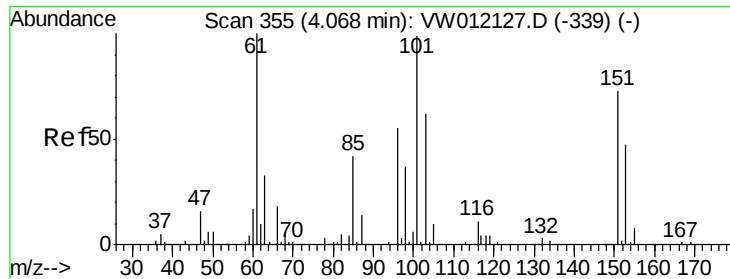


#8

Diethyl Ether
 Concen: 9.423 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012125.D
 Acq: 23 Aug 2019 10:11

Tgt Ion: 74 Resp: 13940
 Ion Ratio Lower Upper
 74 100
 45 121.6 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.574 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

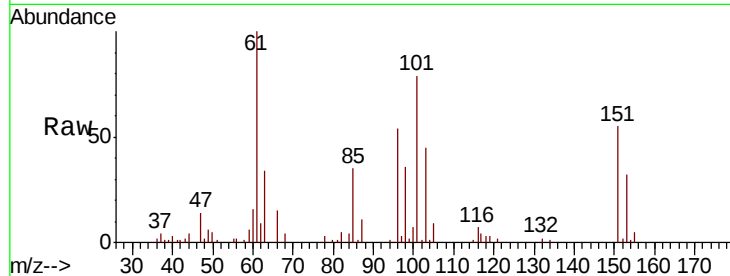
Tgt Ion:101 Resp: 25364

Ion Ratio Lower Upper

101 100

85 45.9 35.8 53.6

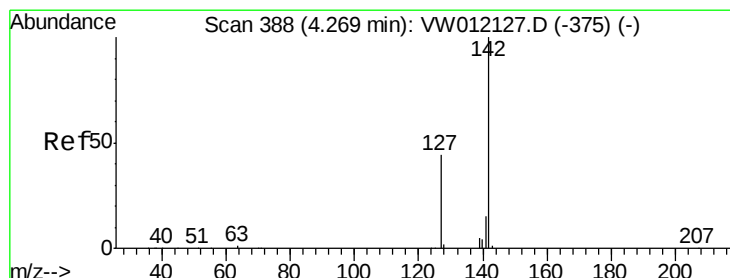
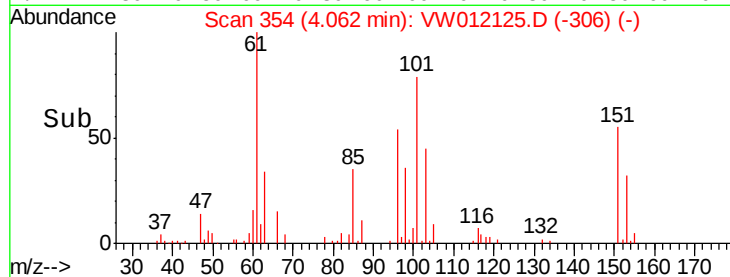
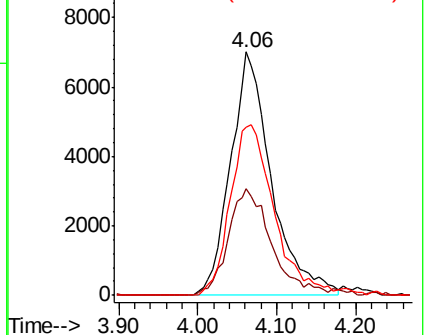
151 74.3 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.240 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

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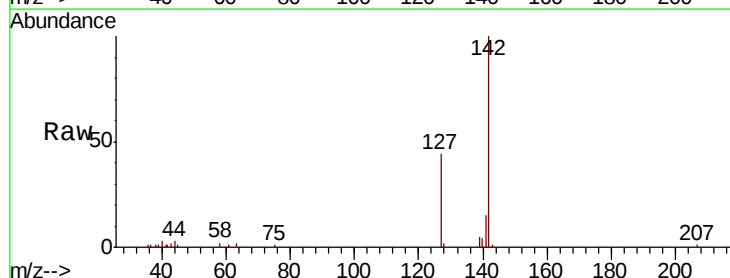
Tgt Ion:142 Resp: 33122

Ion Ratio Lower Upper

142 100

127 45.8 35.5 53.3

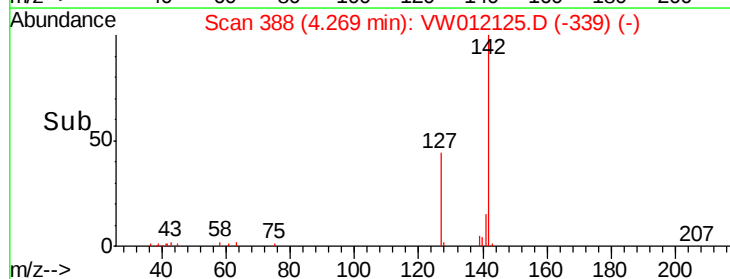
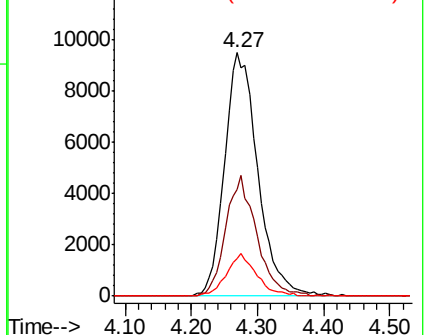
141 15.8 11.8 17.8

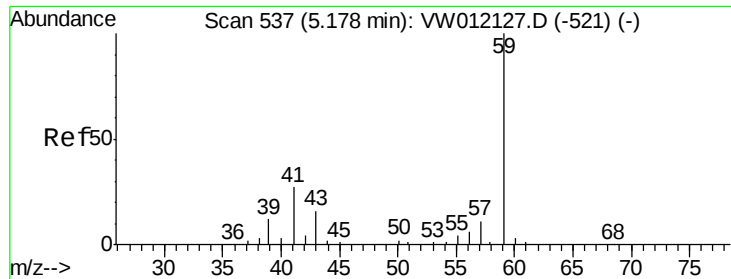


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

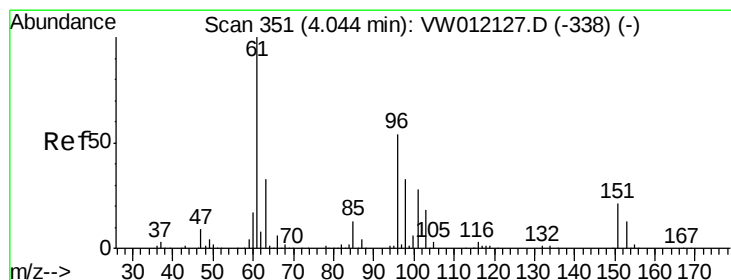
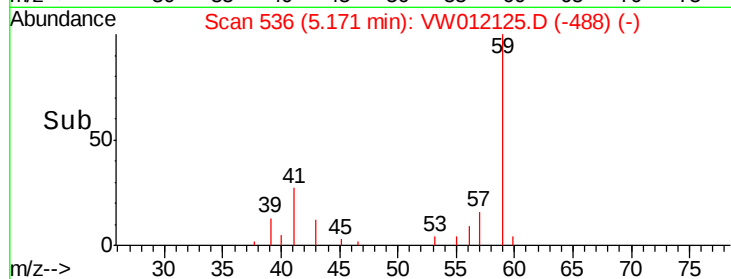
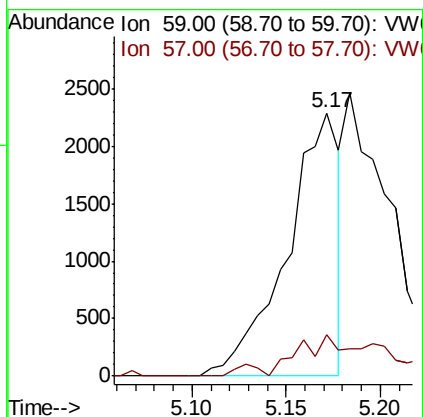
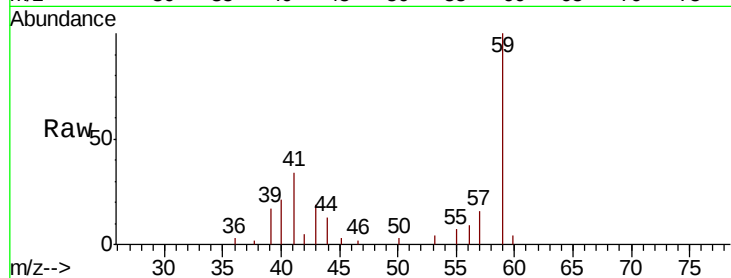




#11
Tert butyl alcohol
Concen: 22.992 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

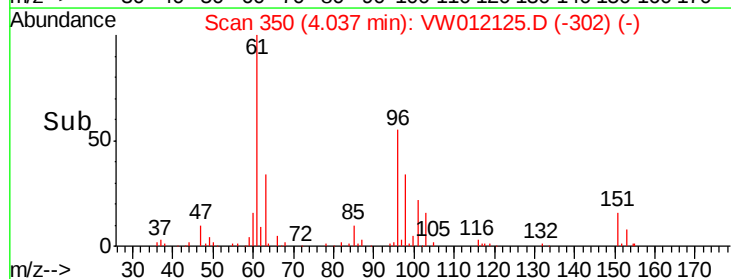
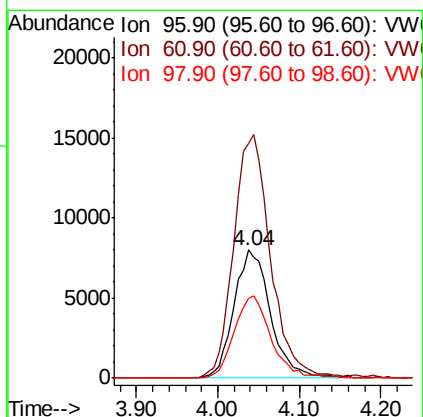
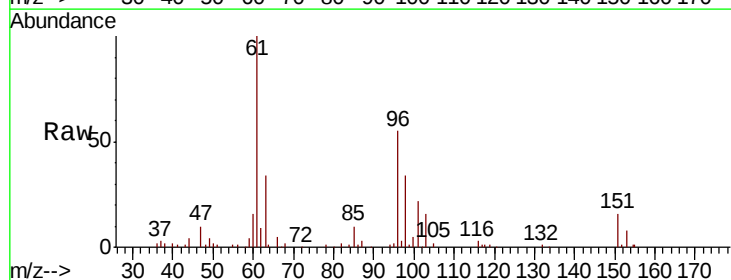
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

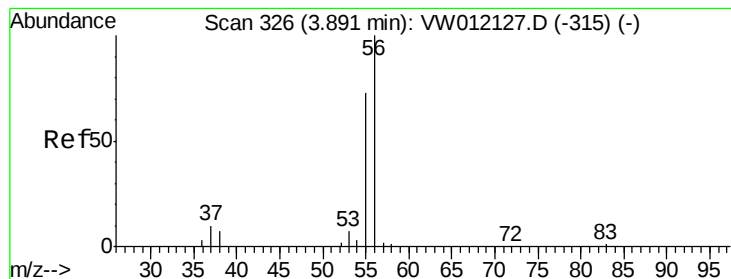
Tgt Ion: 59 Resp: 4426
Ion Ratio Lower Upper
59 100
57 13.4 9.0 13.4



#12
1,1-Dichloroethene
Concen: 9.318 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Tgt Ion: 96 Resp: 24847
Ion Ratio Lower Upper
96 100
61 182.6 149.1 223.7
98 61.5 49.4 74.2





#13

Acrolein

Concen: 50.543 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

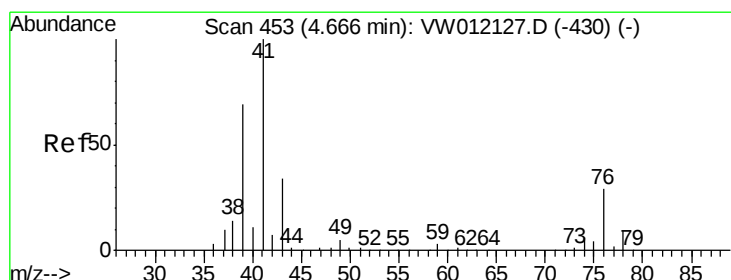
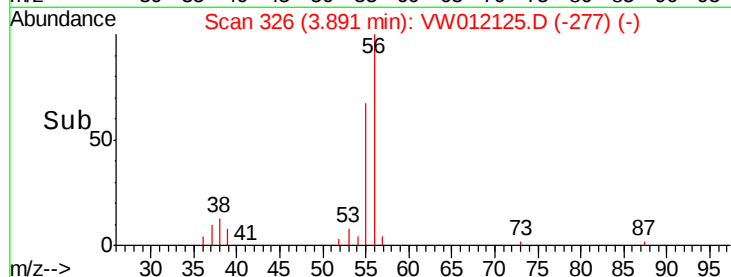
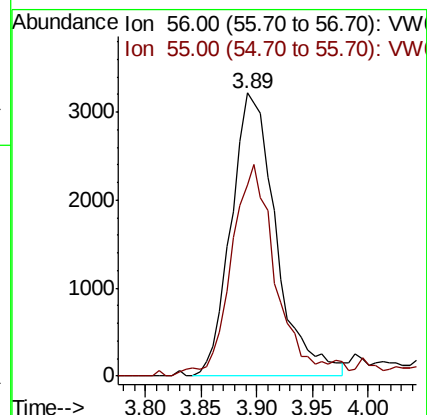
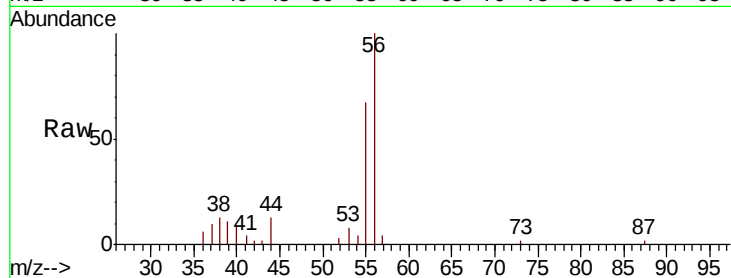
VSTDIC010

Tgt Ion: 56 Resp: 9048

Ion Ratio Lower Upper

56 100

55 72.8 55.8 83.8



#14

Allyl chloride

Concen: 9.285 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

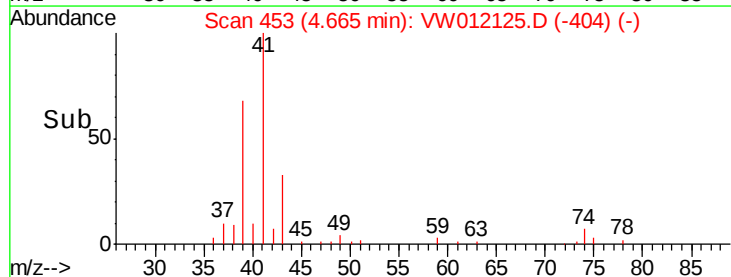
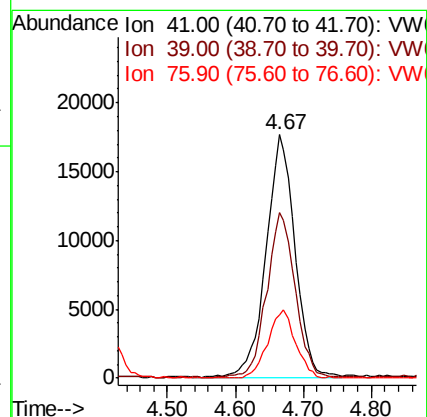
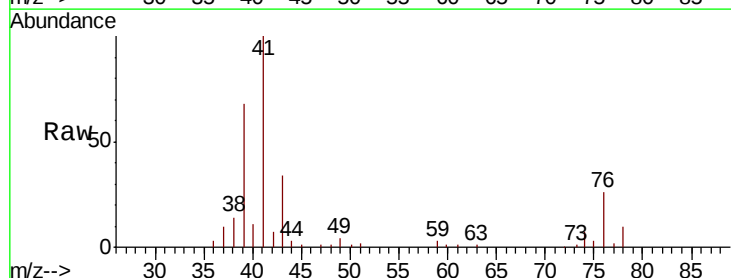
Tgt Ion: 41 Resp: 52929

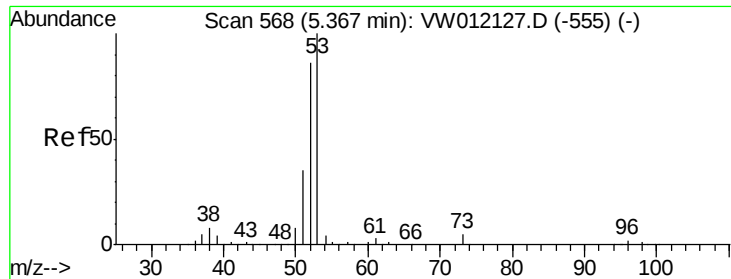
Ion Ratio Lower Upper

41 100

39 66.8 53.4 80.2

76 26.5 22.1 33.1





#15

Acrylonitrile

Concen: 46.998 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

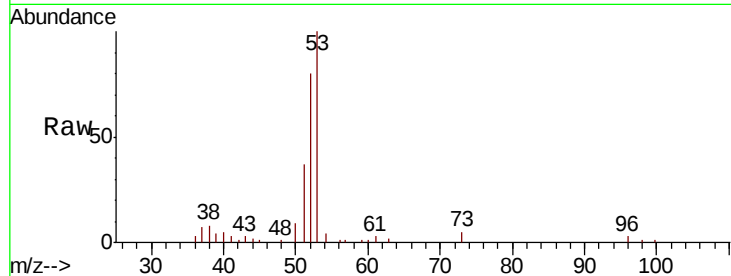
Tgt Ion: 53 Resp: 34462

Ion Ratio Lower Upper

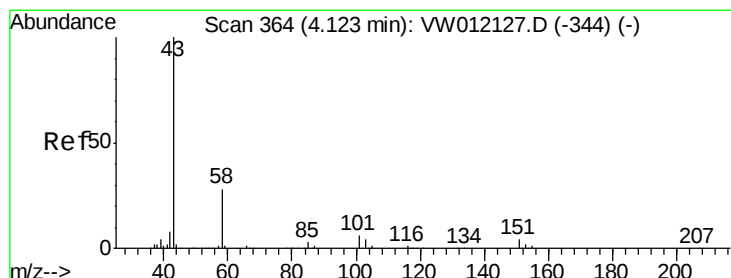
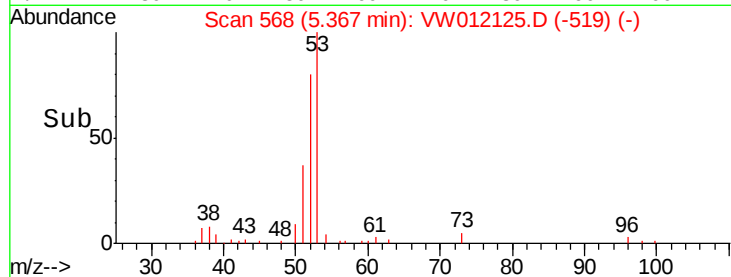
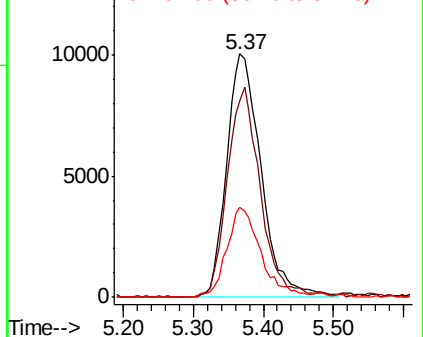
53 100

52 82.6 66.7 100.1

51 36.5 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: 42.419 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012125.D

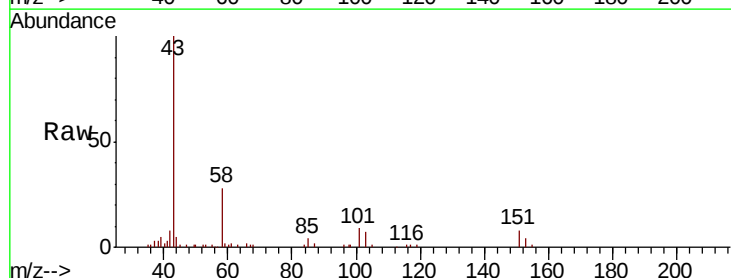
Acq: 23 Aug 2019 10:11

Tgt Ion: 43 Resp: 34266

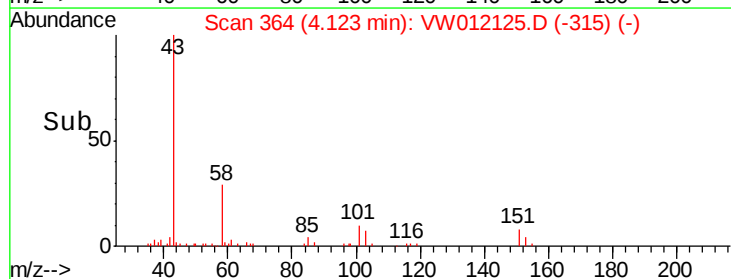
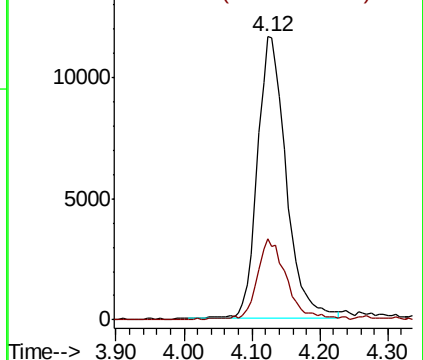
Ion Ratio Lower Upper

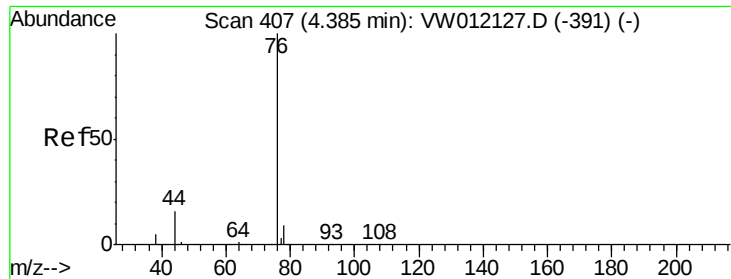
43 100

58 28.7 22.4 33.6



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

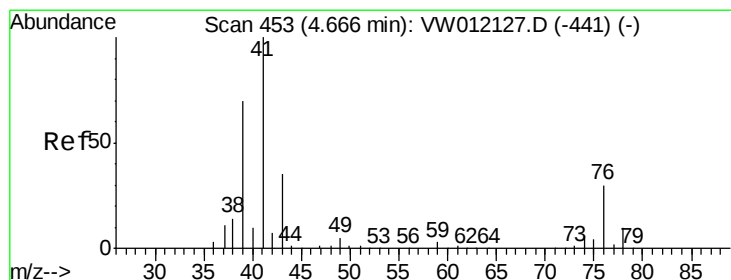
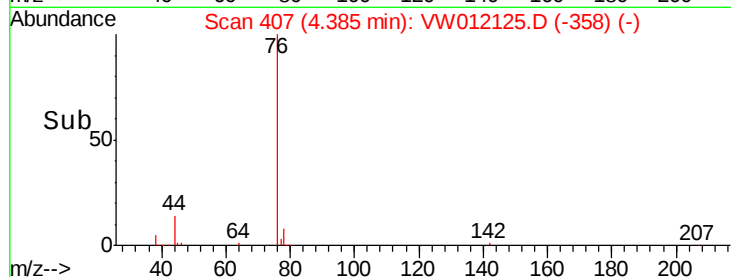
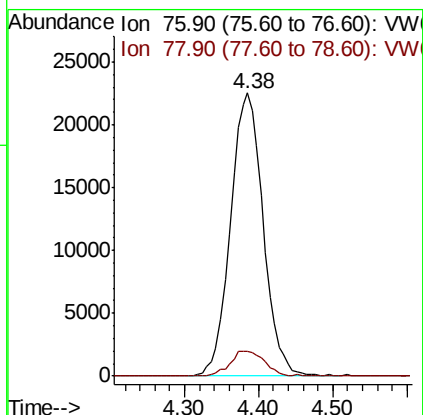
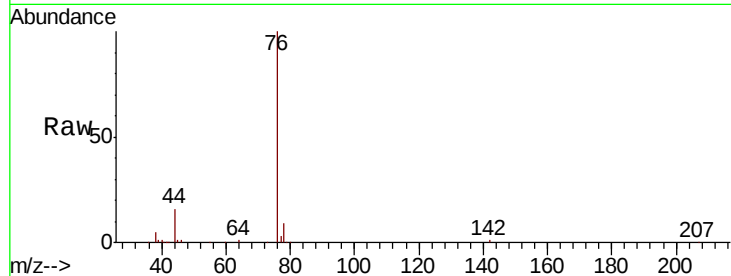




#17
Carbon Disulfide
Concen: 8.577 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

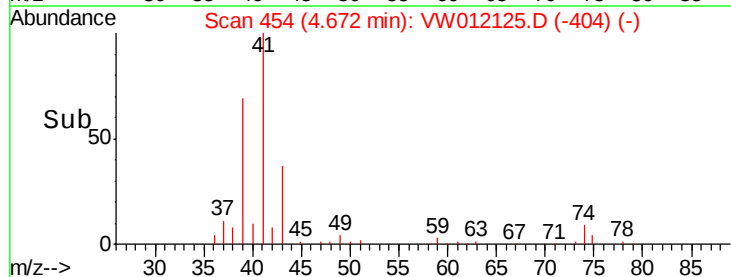
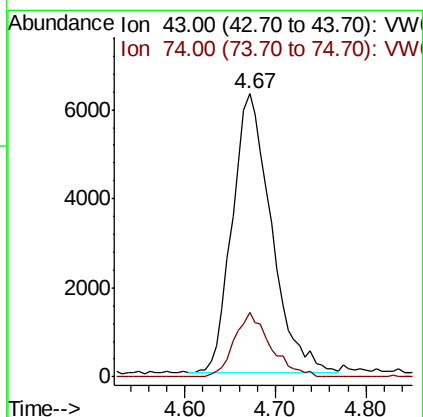
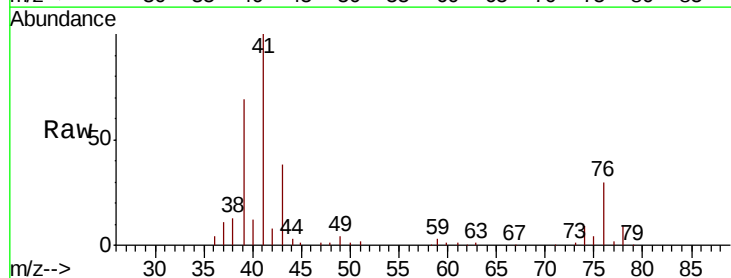
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

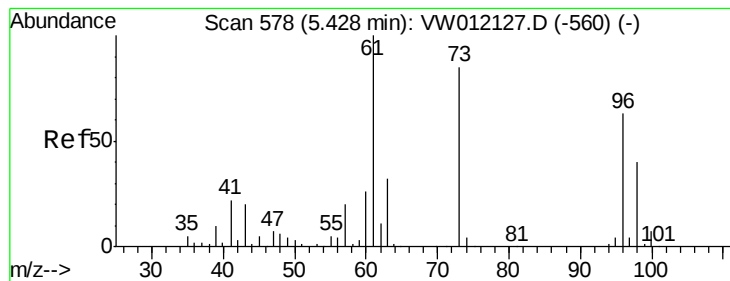
Tgt Ion: 76 Resp: 69116
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 9.328 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Tgt Ion: 43 Resp: 18662
Ion Ratio Lower Upper
43 100
74 21.4 15.7 23.5





#19

Methyl tert-butyl Ether

Concen: 9.561 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

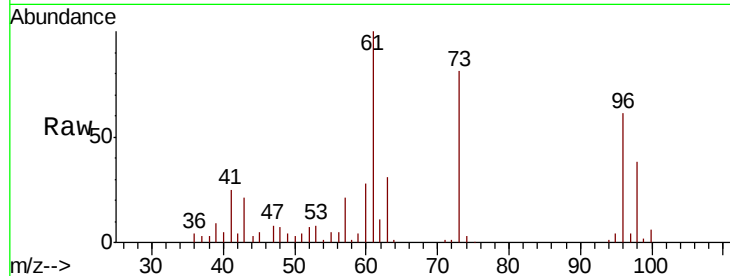
VSTDIC010

Tgt Ion: 73 Resp: 41228

Ion Ratio Lower Upper

73 100

57 26.1 18.9 28.3



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.42

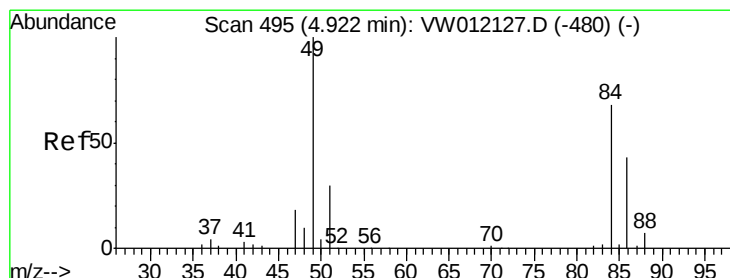
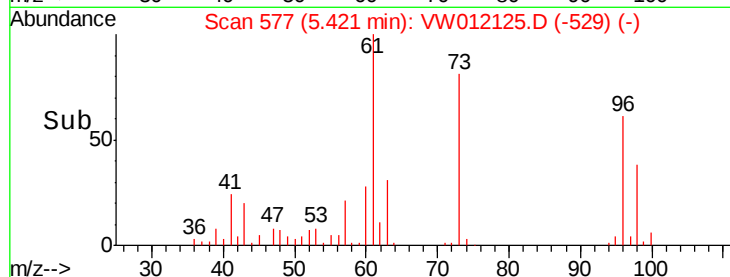
10000

5000

0

Time-->

5.30 5.40 5.50



#20

Methylene Chloride

Concen: 9.890 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Tgt Ion: 84 Resp: 30202

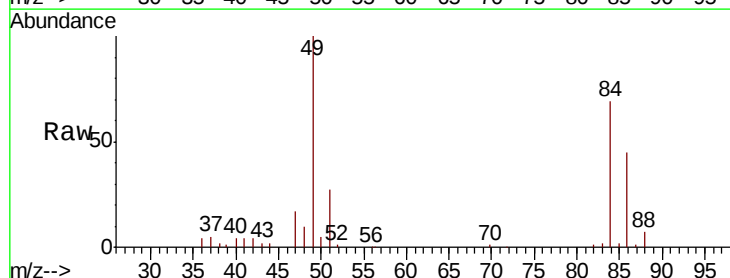
Ion Ratio Lower Upper

84 100

49 144.7 117.8 176.8

51 38.9 35.6 53.4

86 66.1 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

20000

15000

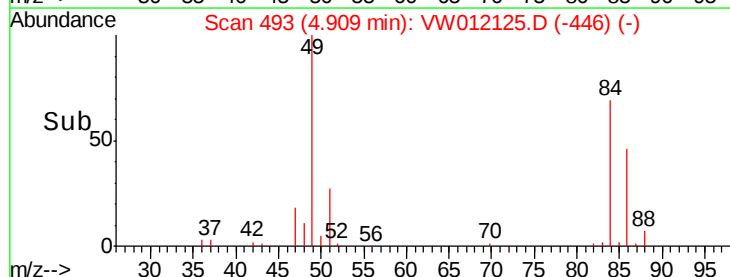
10000

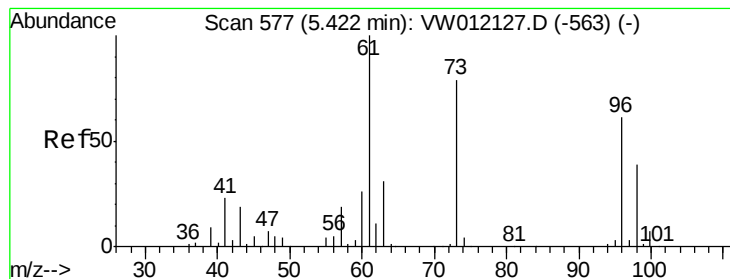
5000

0

Time-->

4.80 4.90 5.00 5.10





#21

trans-1,2-Dichloroethene

Concen: 9.374 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

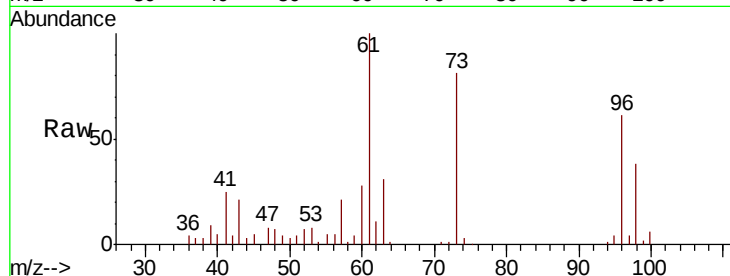
Tgt Ion: 96 Resp: 26803

Ion Ratio Lower Upper

96 100

61 164.7 131.4 197.0

98 63.1 51.4 77.0

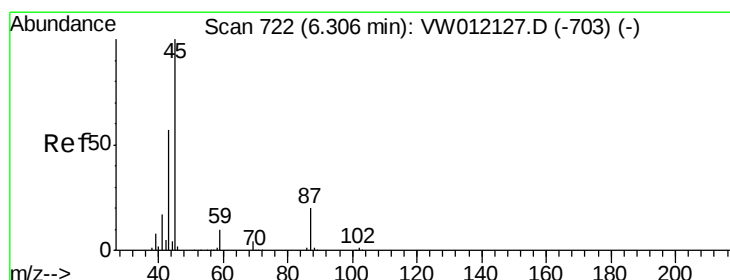
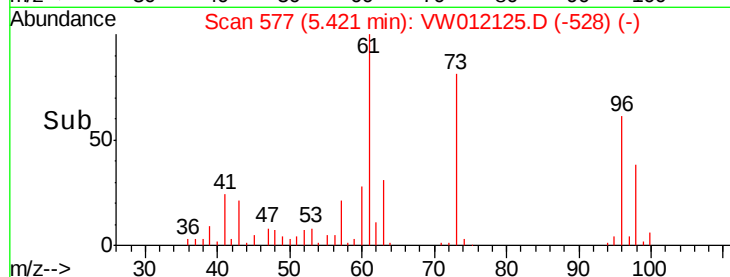
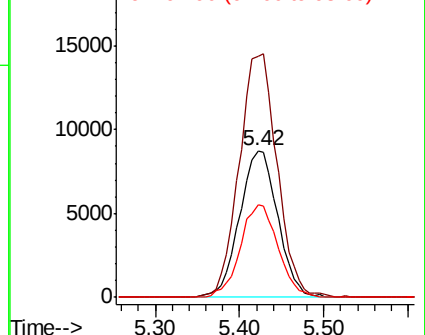


Abundance

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: 9.796 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Tgt Ion: 45 Resp: 103504

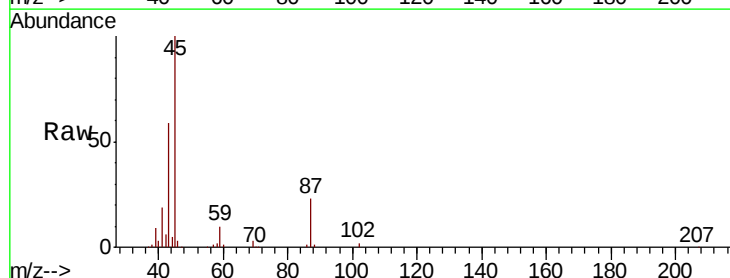
Ion Ratio Lower Upper

45 100

43 59.2 45.5 68.3

87 23.3 16.1 24.1

59 10.1 8.2 12.2



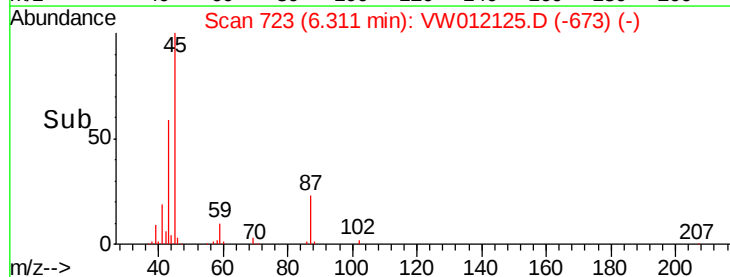
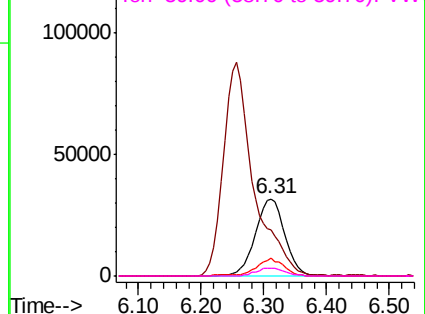
Abundance

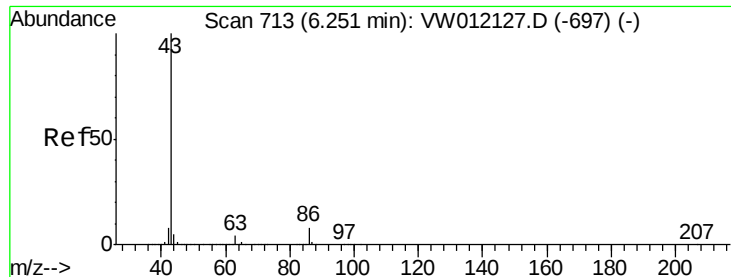
Ion 45.00 (44.70 to 45.70): VW

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: 45.419 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

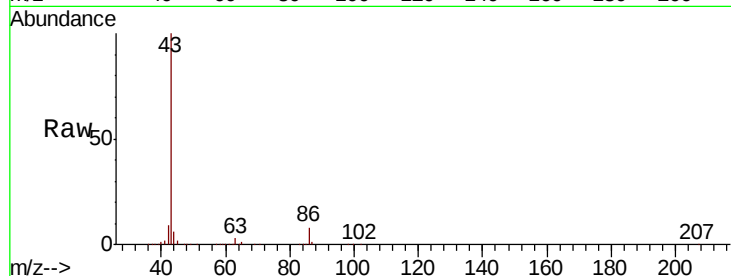
VSTDIC010

Tgt Ion: 43 Resp: 295342

Ion Ratio Lower Upper

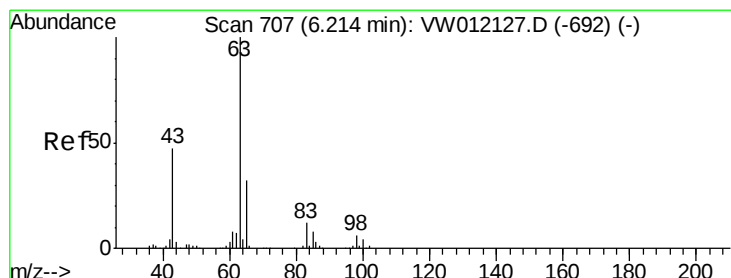
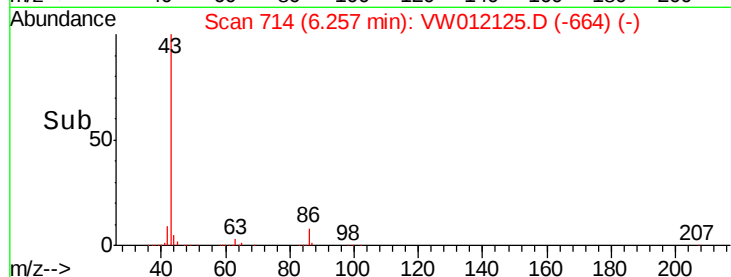
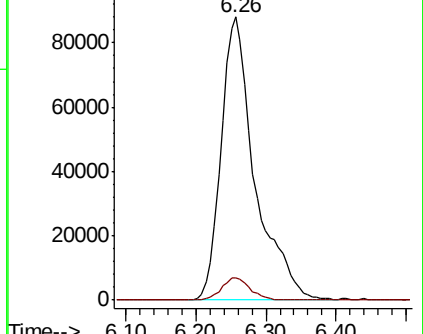
43 100

86 7.8 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 9.678 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

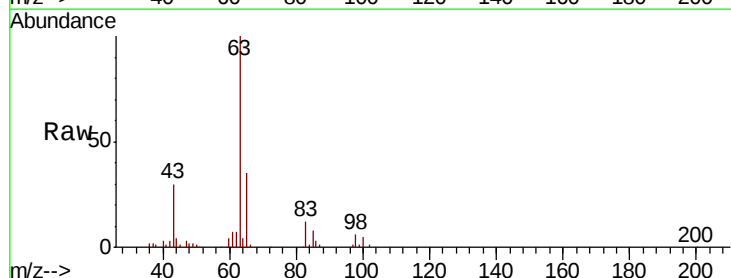
Tgt Ion: 63 Resp: 55681

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

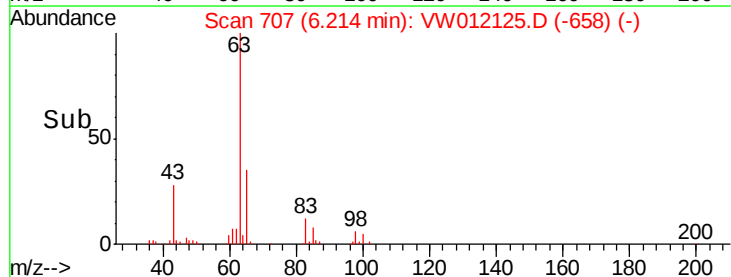
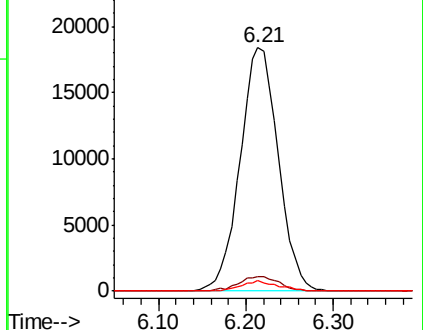
100 4.5 2.0 6.0

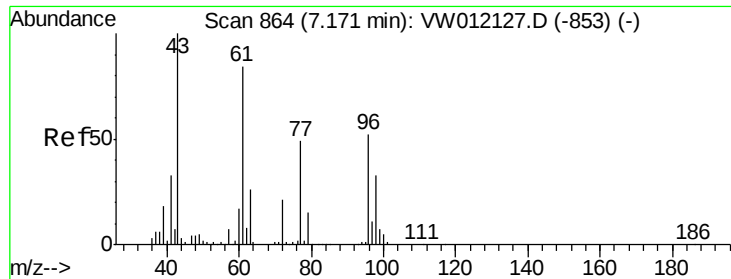


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

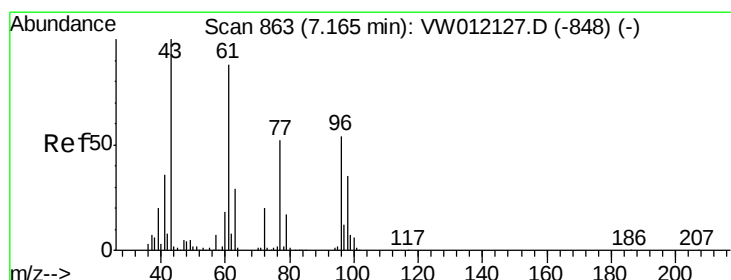
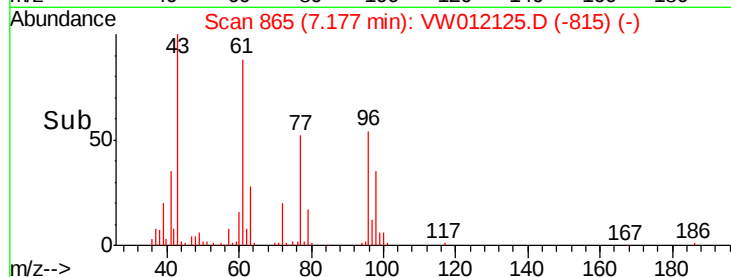
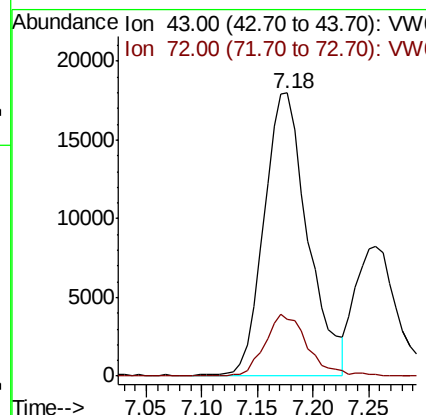
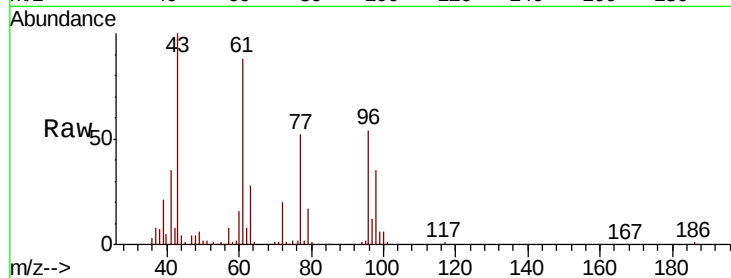




#25
2-Butanone
Concen: 45.039 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

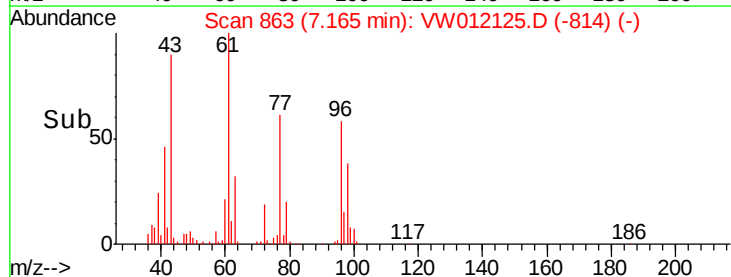
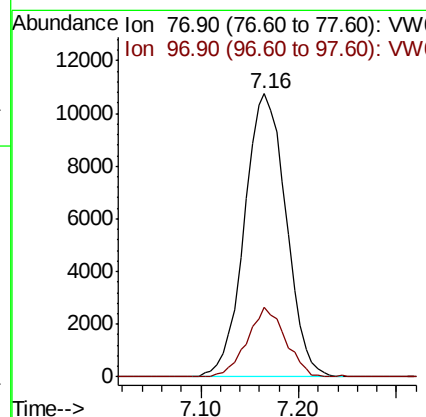
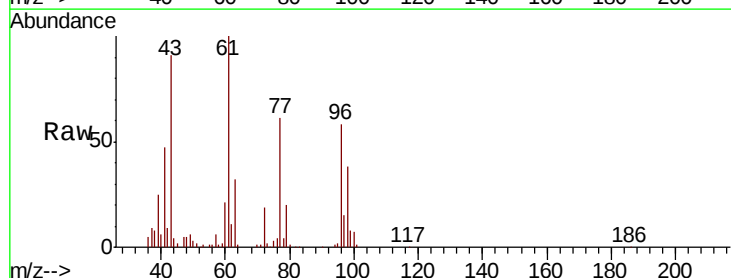
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion: 43 Resp: 49439
Ion Ratio Lower Upper
43 100
72 20.3 16.6 24.8



#26
2,2-Dichloropropane
Concen: 9.749 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Tgt Ion: 77 Resp: 31746
Ion Ratio Lower Upper
77 100
97 22.5 11.1 33.1



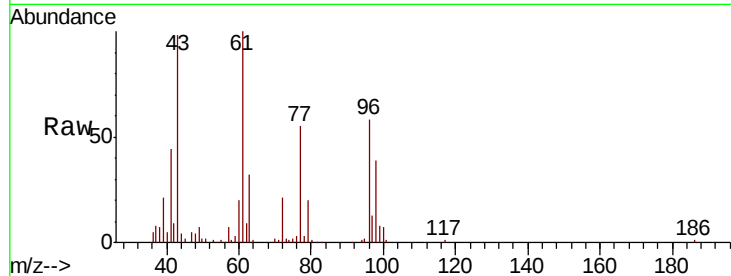


#27

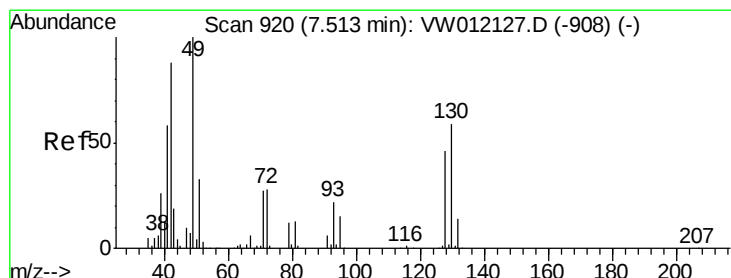
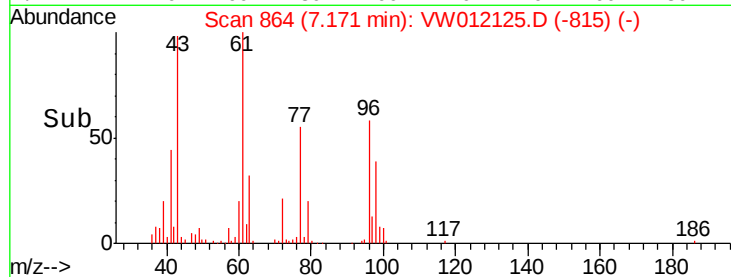
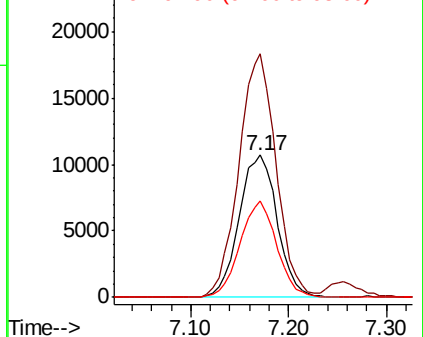
cis-1,2-Dichloroethene
Concen: 9.511 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 96 Resp: 29055
Ion Ratio Lower Upper
96 100
61 166.1 0.0 326.6
98 64.9 0.0 127.4



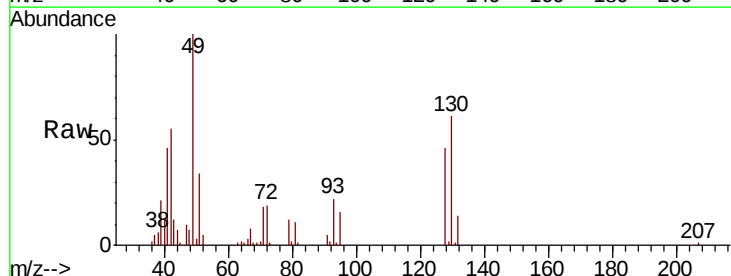
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



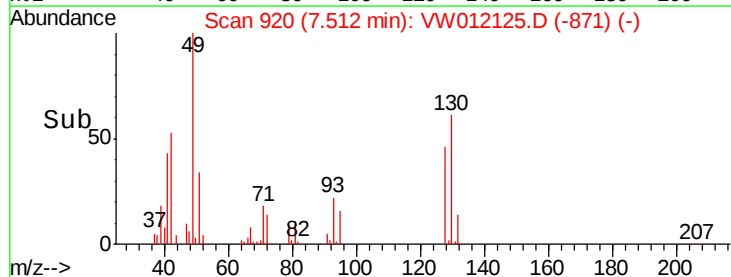
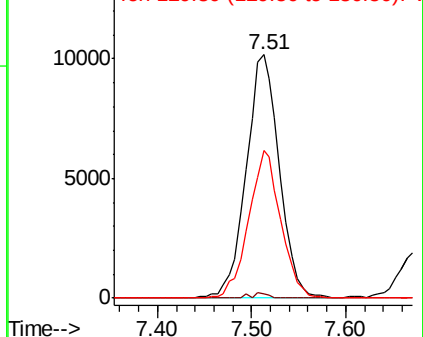
#28

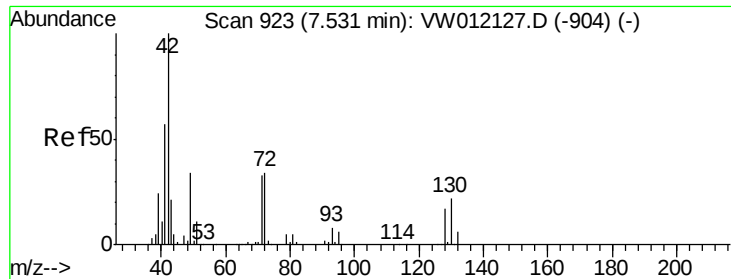
Bromochloromethane
Concen: 9.967 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Tgt Ion: 49 Resp: 24993
Ion Ratio Lower Upper
49 100
129 1.1 0.0 1.4
130 59.0 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

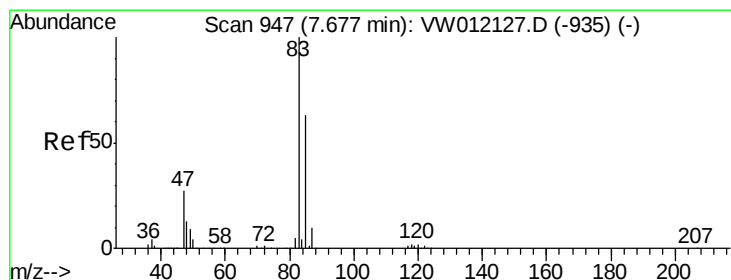
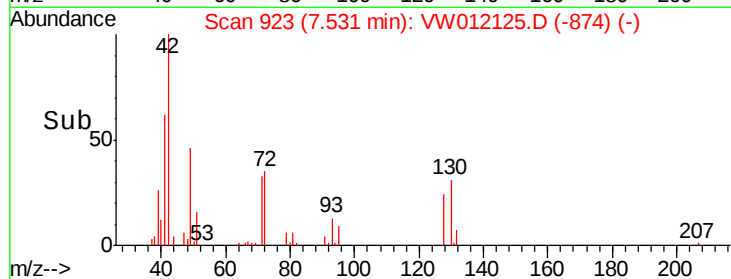
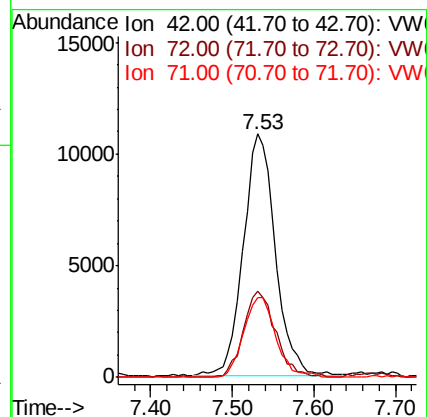
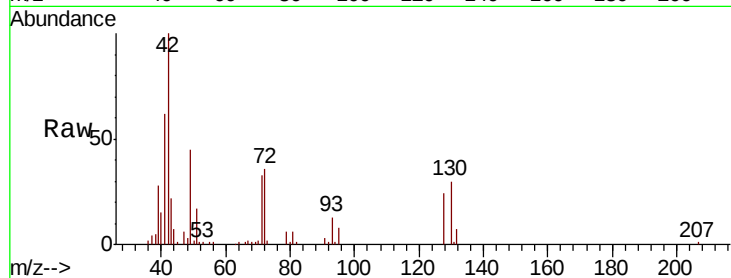




#29
Tetrahydrofuran
Concen: 45.131 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

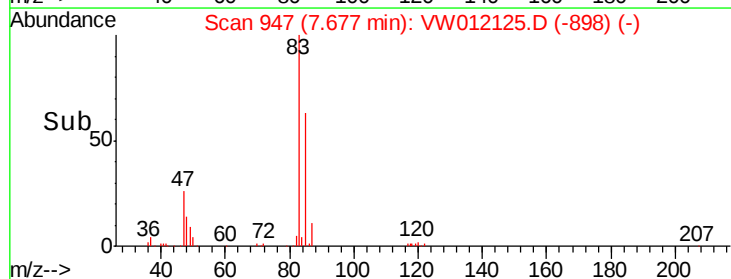
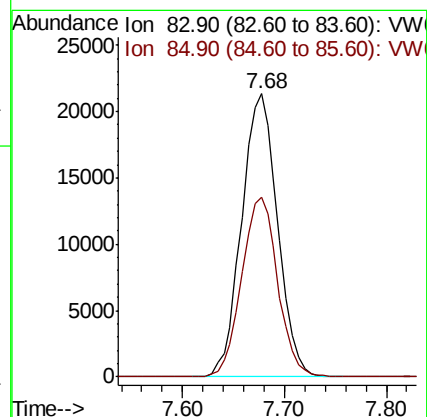
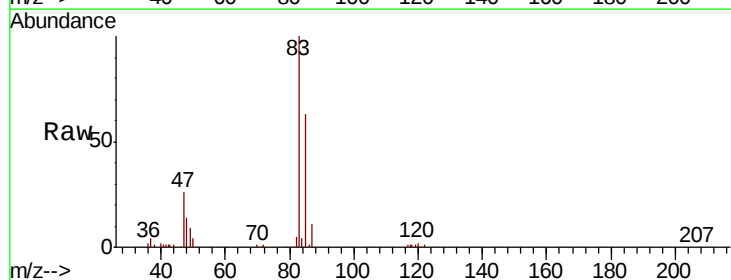
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

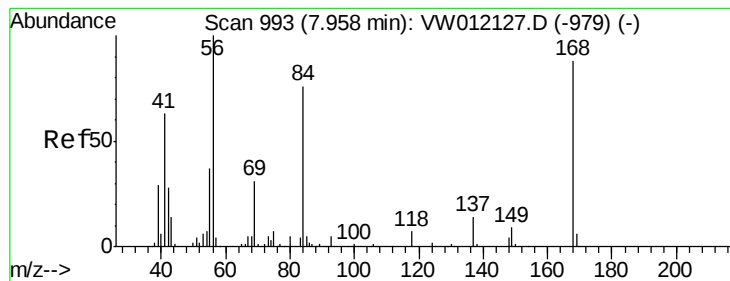
Tgt Ion: 42 Resp: 29722
Ion Ratio Lower Upper
42 100
72 35.5 27.3 40.9
71 33.0 25.5 38.3



#30
Chloroform
Concen: 9.892 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Tgt Ion: 83 Resp: 52065
Ion Ratio Lower Upper
83 100
85 63.3 50.6 76.0





#31

Cyclohexane

Concen: 9.748 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

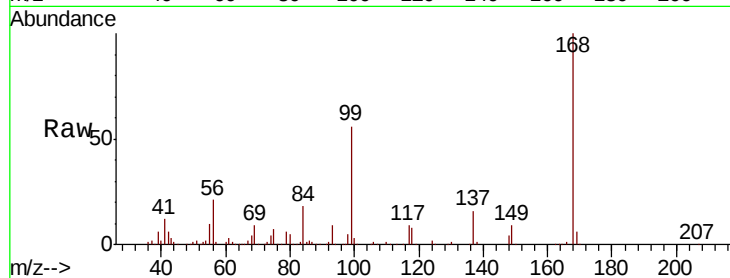
Tgt Ion: 56 Resp: 55483

Ion Ratio Lower Upper

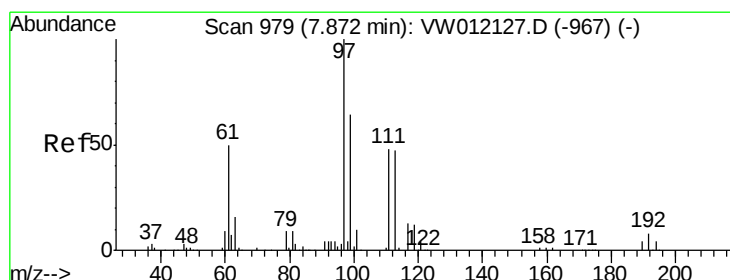
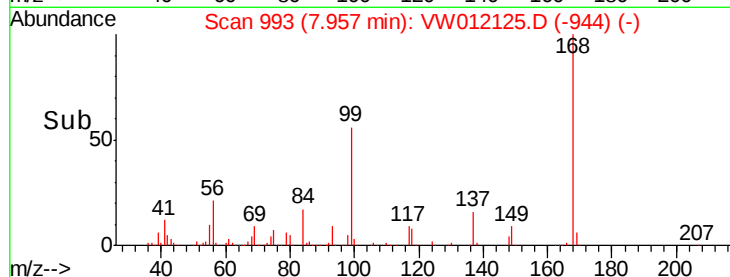
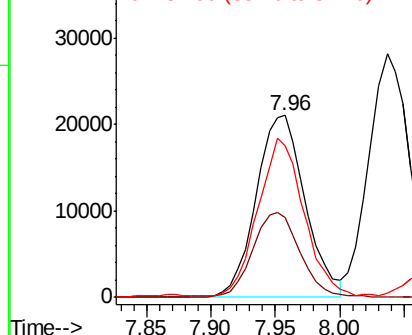
56 100

69 43.7 24.9 37.3#

84 82.4 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: 9.589 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

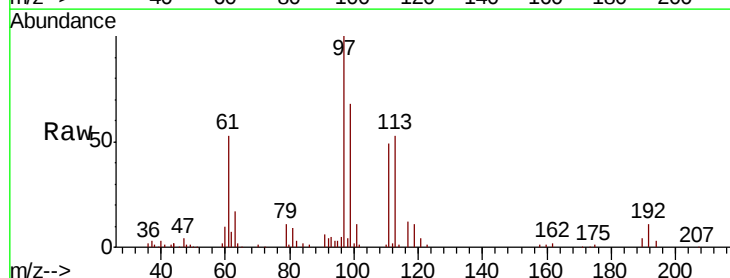
Tgt Ion: 97 Resp: 39929

Ion Ratio Lower Upper

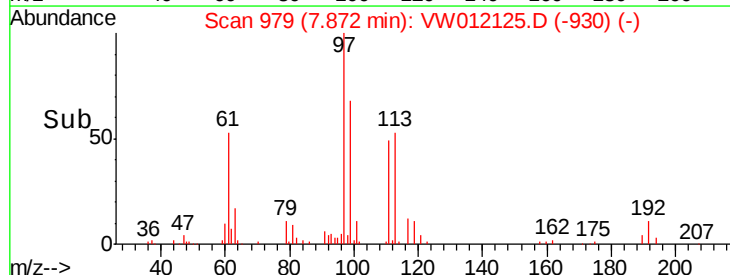
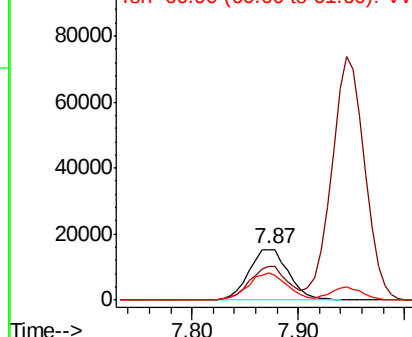
97 100

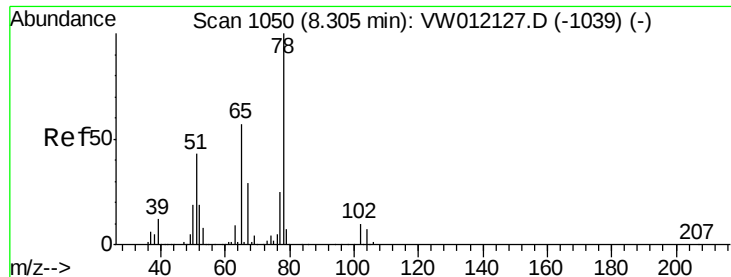
99 64.3 51.4 77.0

61 52.5 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

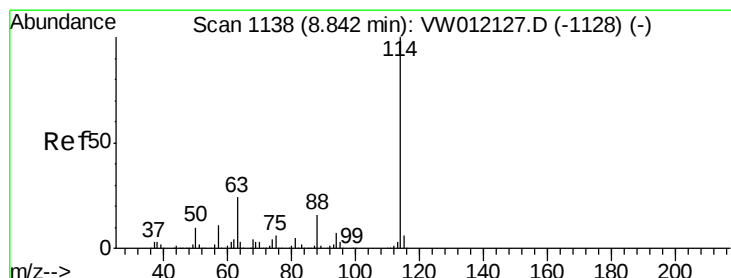
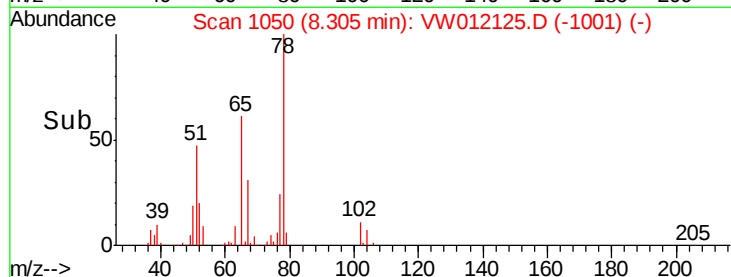
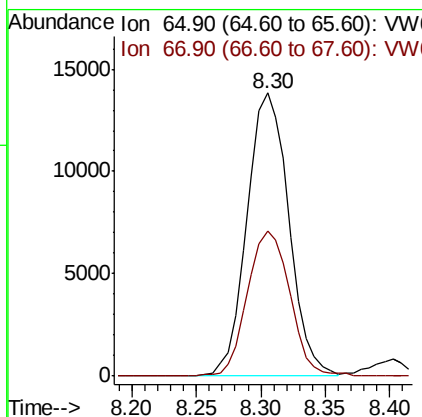
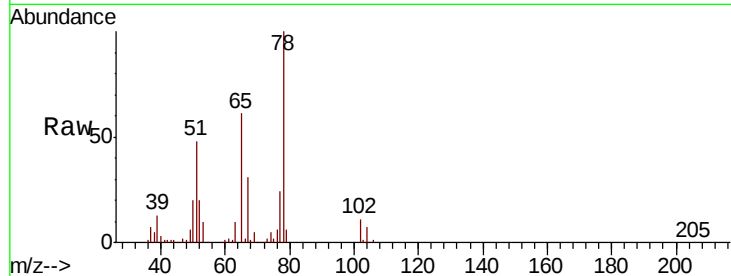




#33
 1,2-Dichloroethane-d4
 Concen: 9.851 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012125.D
 Acq: 23 Aug 2019 10:11

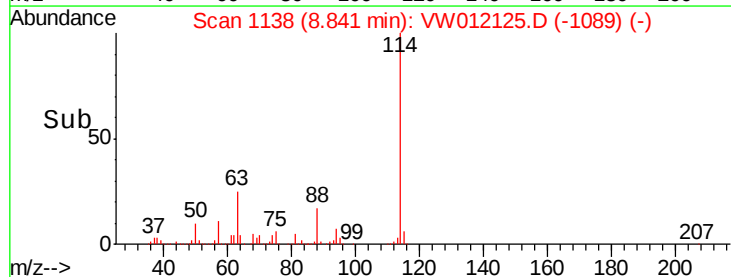
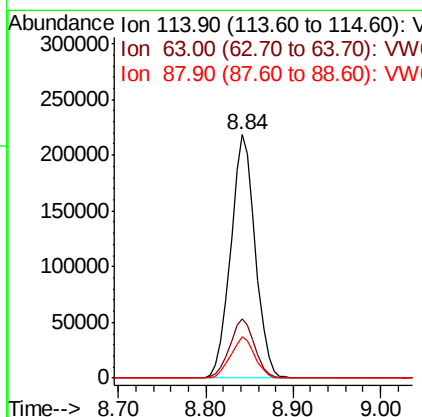
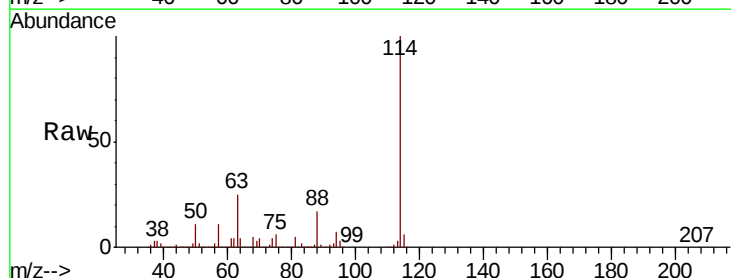
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion: 65 Resp: 31131
 Ion Ratio Lower Upper
 65 100
 67 52.2 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: VW012125.D
 Acq: 23 Aug 2019 10:11

Tgt Ion: 114 Resp: 425057
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 17.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 10.037 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

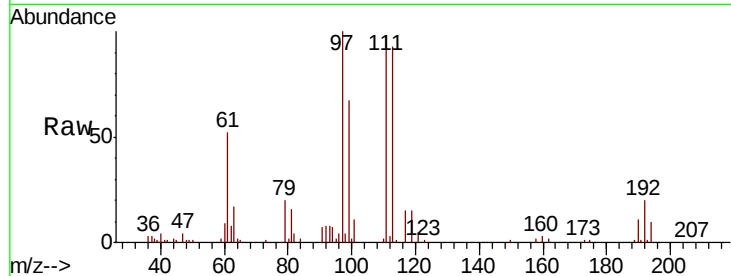
Tgt Ion:113 Resp: 25466

Ion Ratio Lower Upper

113 100

111 101.3 82.7 124.1

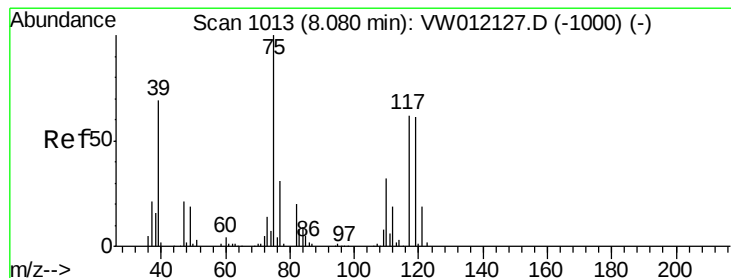
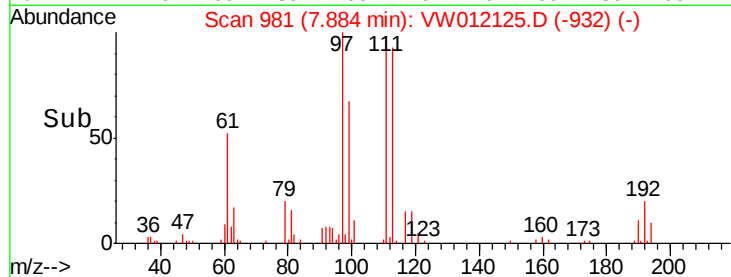
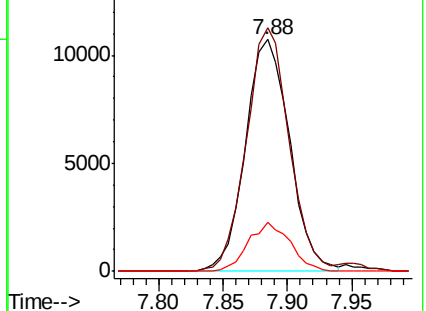
192 20.0 16.2 24.2



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: 9.555 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

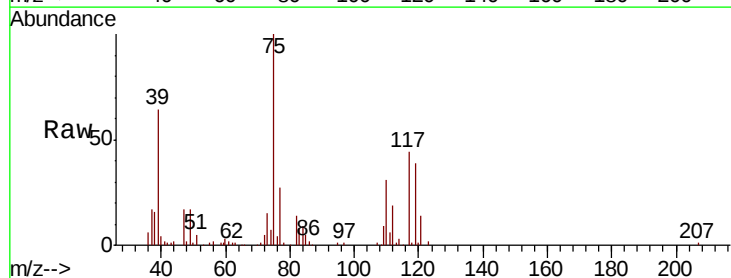
Tgt Ion: 75 Resp: 41970

Ion Ratio Lower Upper

75 100

110 32.0 15.6 46.8

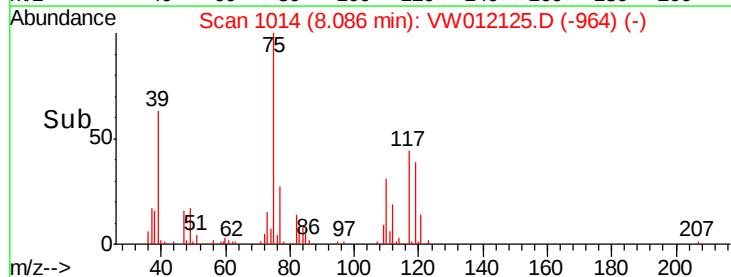
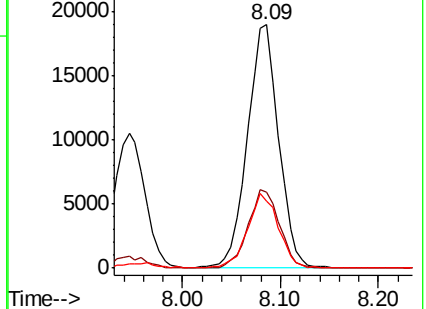
77 30.2 24.6 36.8

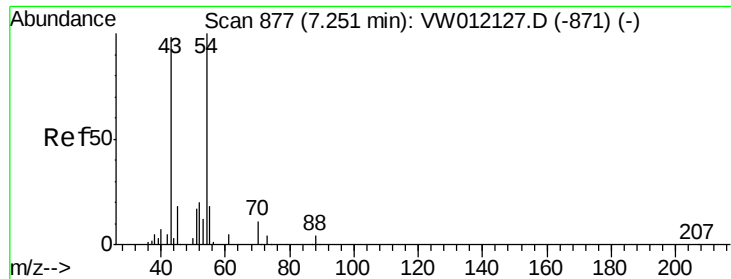


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

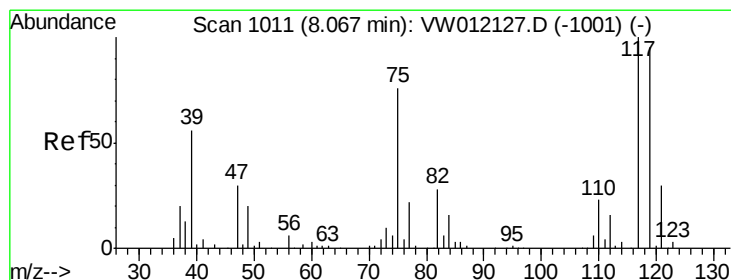
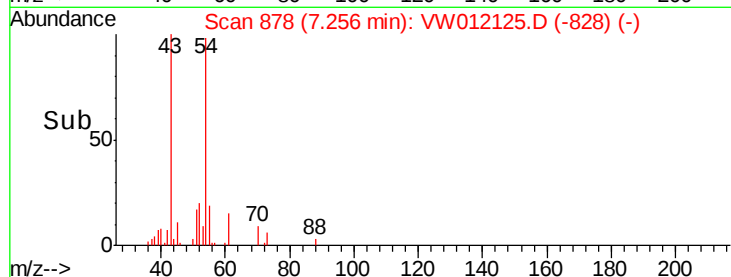
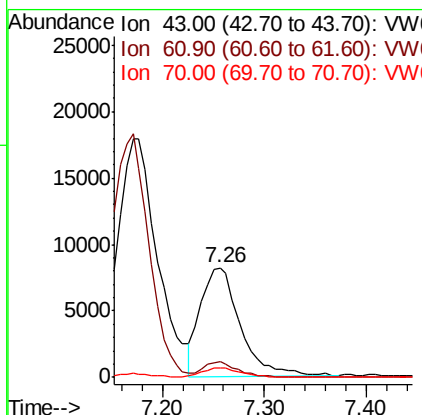
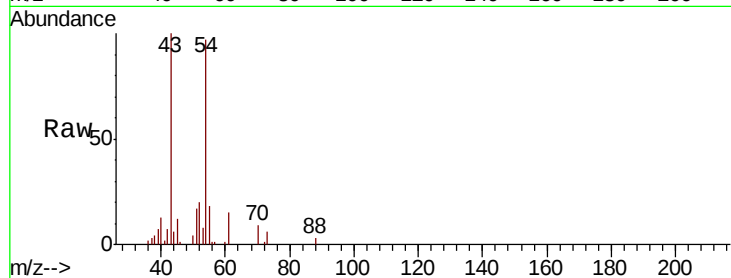




#37
Ethyl Acetate
Concen: 9.194 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

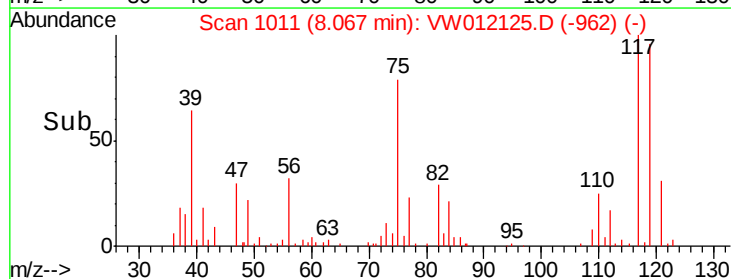
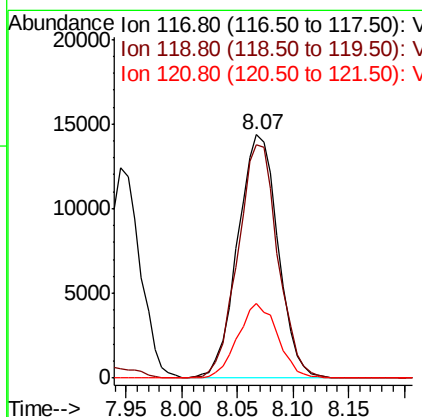
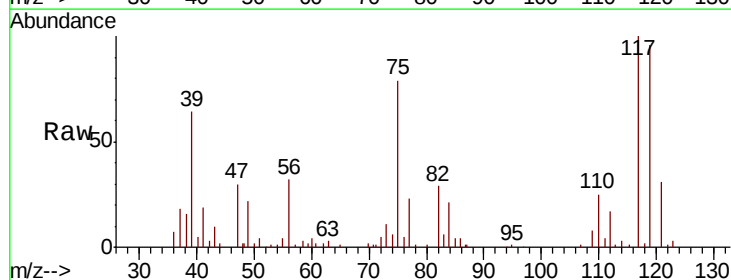
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

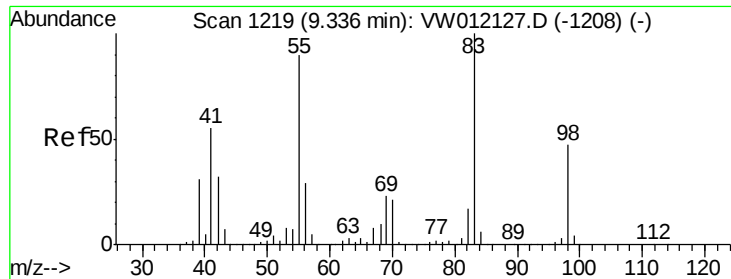
Tgt Ion: 43 Resp: 22130
Ion Ratio Lower Upper
43 100
61 12.3 9.2 13.8
70 8.5 6.9 10.3



#38
Carbon Tetrachloride
Concen: 9.502 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Tgt Ion: 117 Resp: 36125
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.2
121 30.8 23.8 35.8

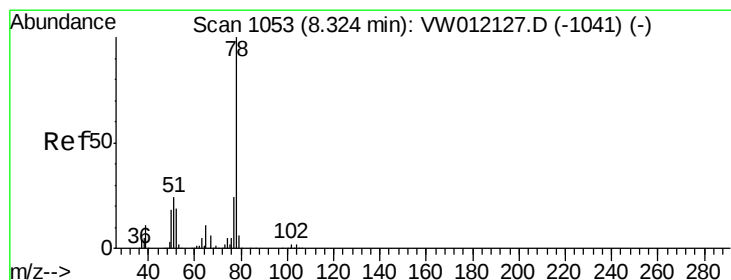
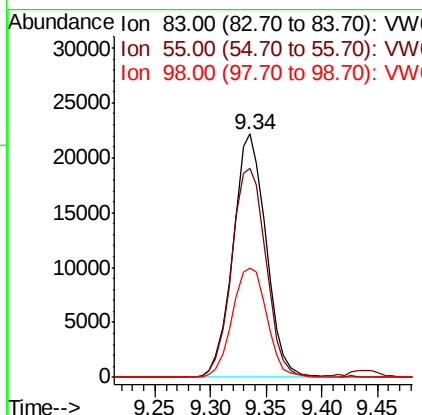
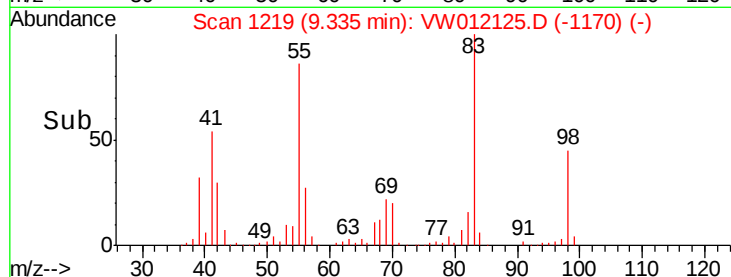
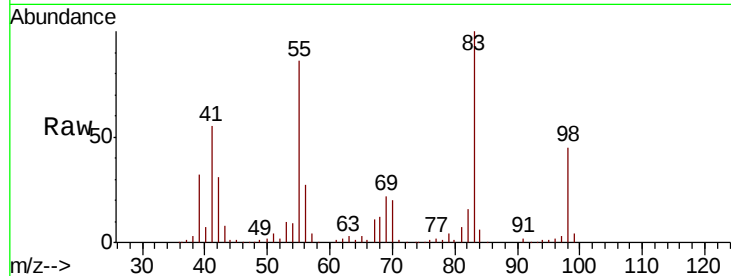




#39
Methylcyclohexane
Concen: 9.226 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

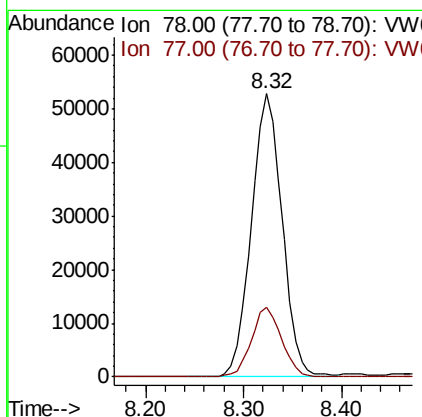
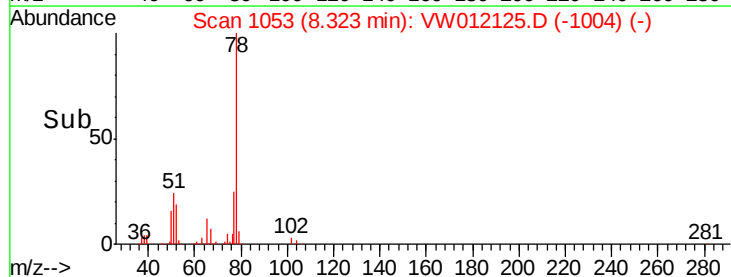
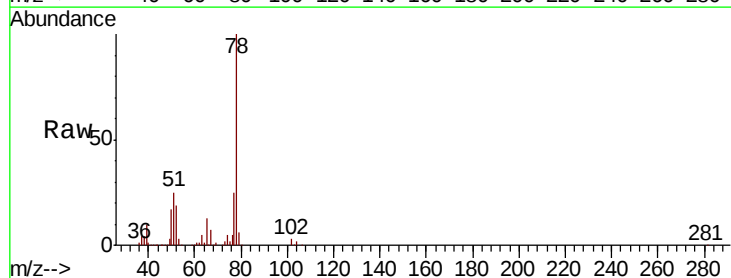
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

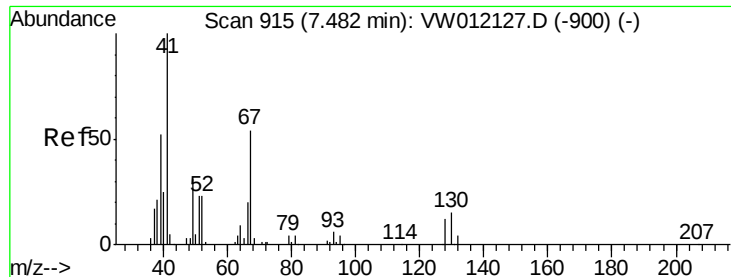
Tgt Ion: 83 Resp: 45527
Ion Ratio Lower Upper
83 100
55 85.9 71.8 107.8
98 45.1 37.8 56.8



#40
Benzene
Concen: 9.670 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Tgt Ion: 78 Resp: 115980
Ion Ratio Lower Upper
78 100
77 24.7 19.5 29.3

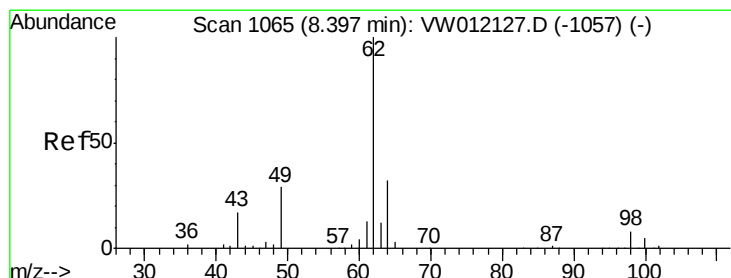
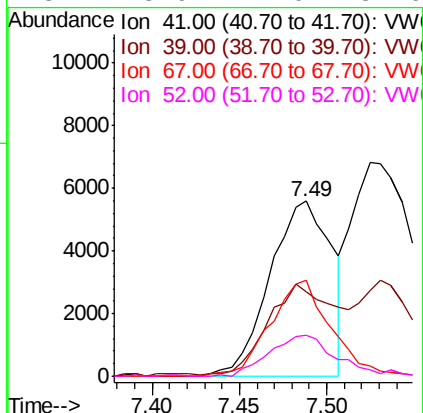
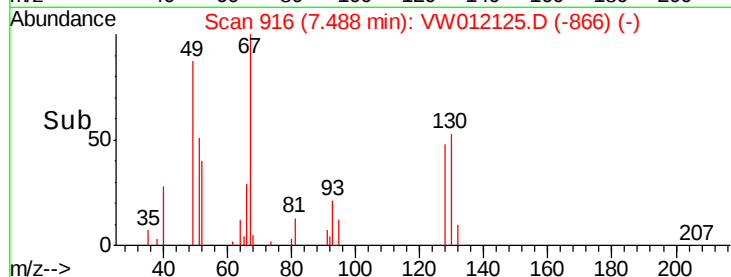
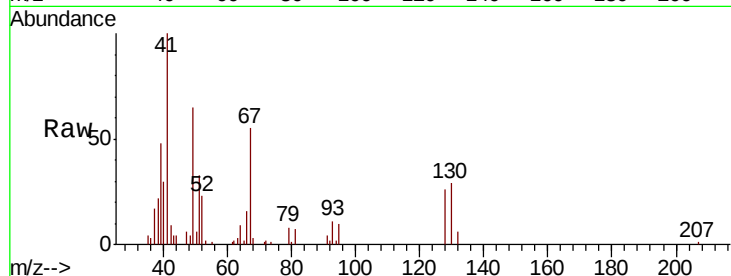




#41
Methacrylonitrile
Concen: 9.731 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

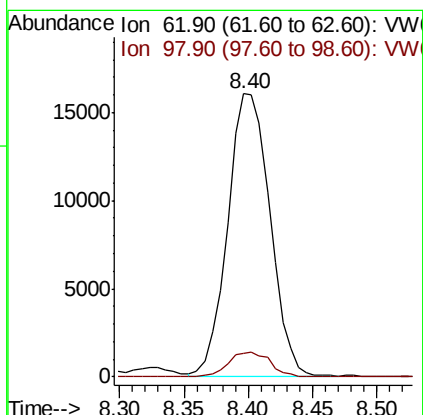
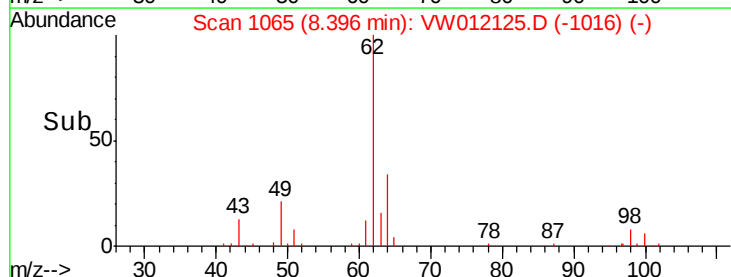
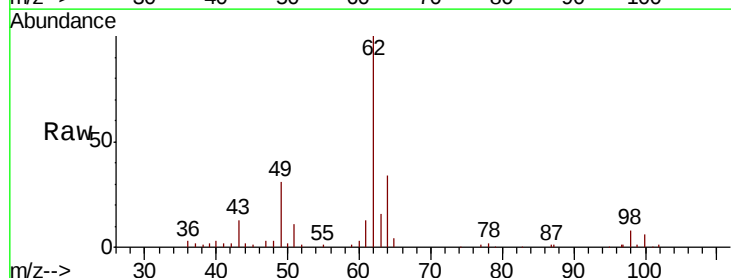
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

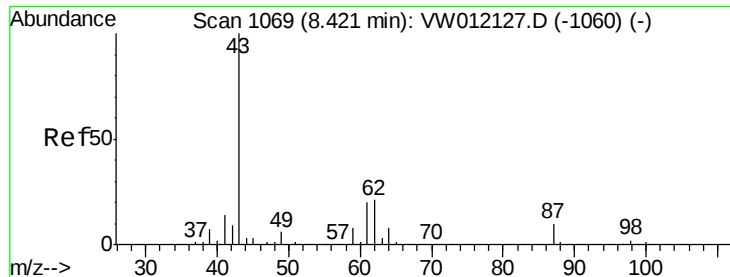
Tgt Ion:	41	Resp:	13766
Ion	Ratio	Lower	Upper
41	100		
39	58.9	45.8	68.8
67	54.5	46.2	69.4
52	25.9	21.0	31.6



#42
1,2-Dichloroethane
Concen: 9.773 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Tgt Ion:	62	Resp:	36738
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.6





#43

Isopropyl Acetate

Concen: 9.221 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

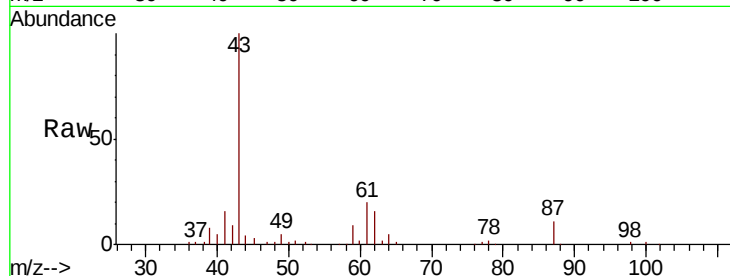
Tgt Ion: 43 Resp: 41112

Ion Ratio Lower Upper

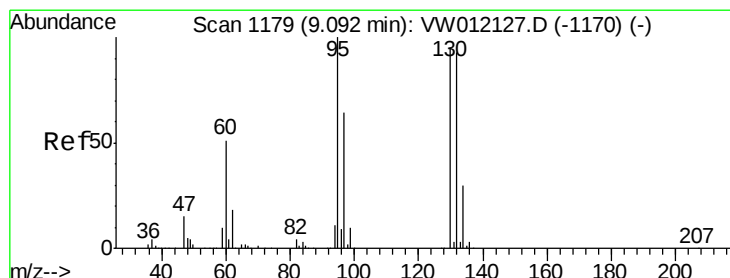
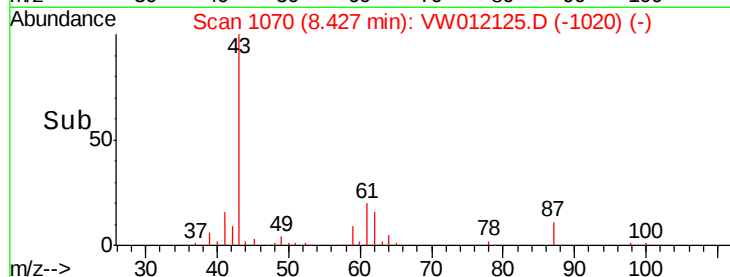
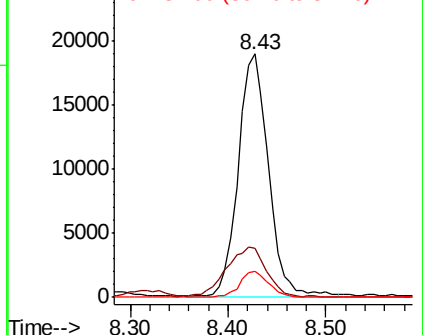
43 100

61 27.4 21.1 31.7

87 10.2 8.2 12.2



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



#44

Trichloroethene

Concen: 9.640 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012125.D

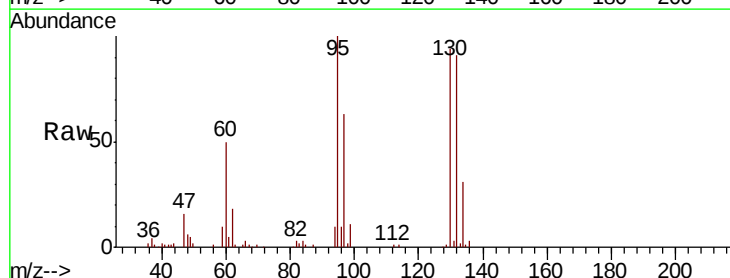
Acq: 23 Aug 2019 10:11

Tgt Ion: 130 Resp: 28108

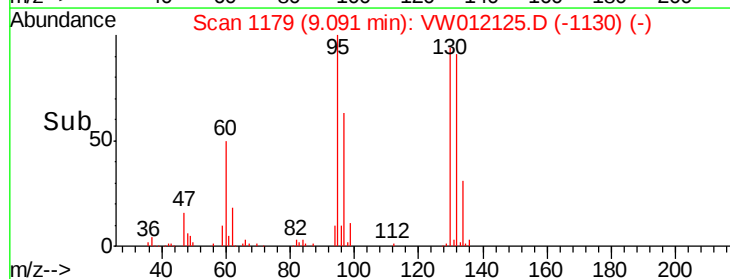
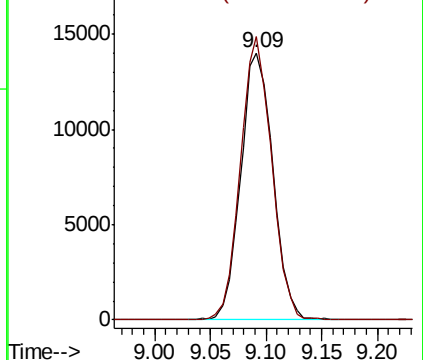
Ion Ratio Lower Upper

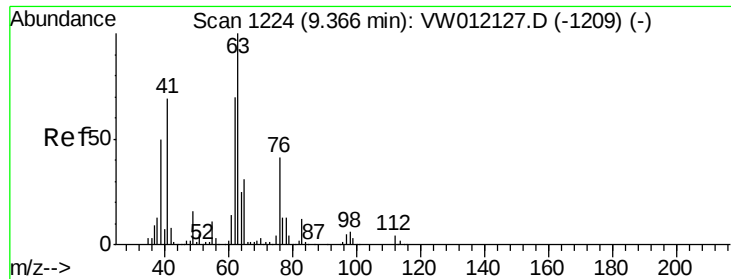
130 100

95 105.9 0.0 210.6



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





#45

1,2-Dichloropropane

Concen: 9.743 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

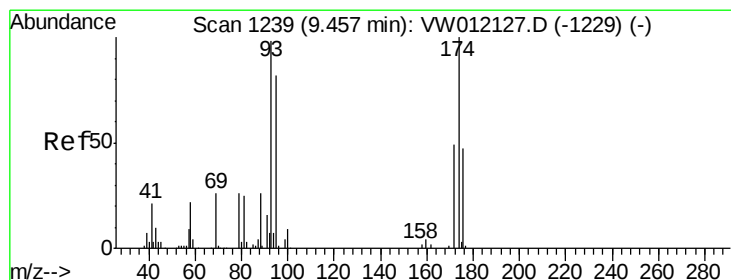
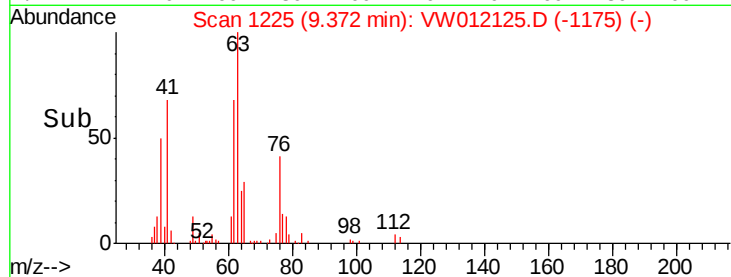
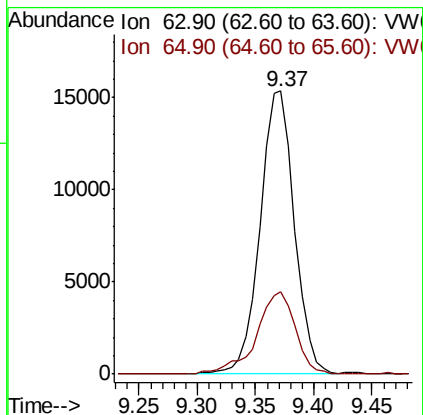
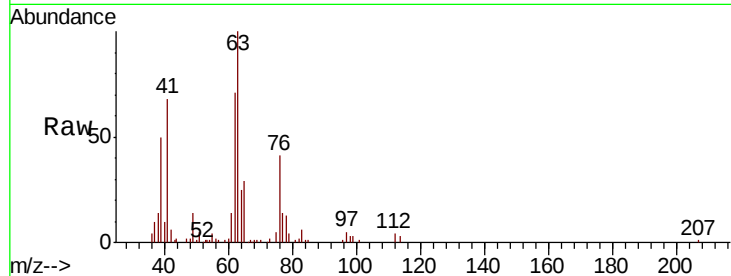
VSTDIC010

Tgt Ion: 63 Resp: 31451

Ion Ratio Lower Upper

63 100

65 29.1 25.0 37.4



#46

Dibromomethane

Concen: 9.258 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

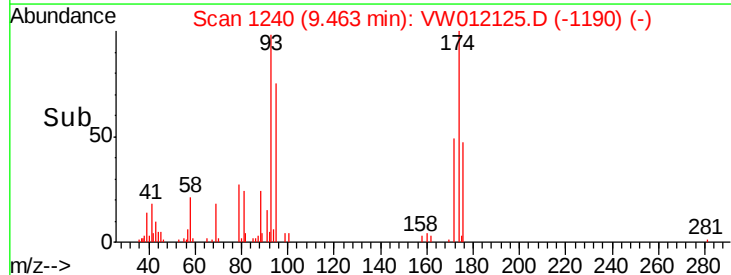
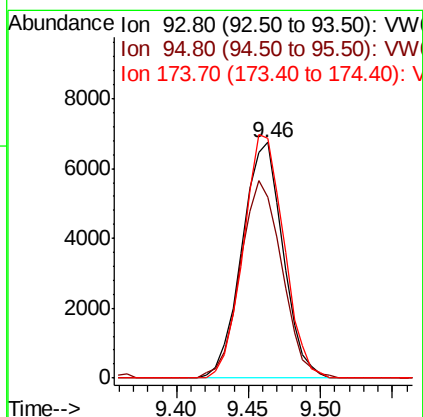
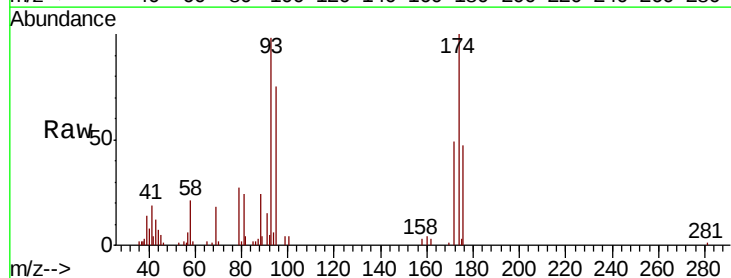
Tgt Ion: 93 Resp: 13297

Ion Ratio Lower Upper

93 100

95 85.3 67.2 100.8

174 102.0 79.0 118.6





#47

Bromodichloromethane

Concen: 9.479 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

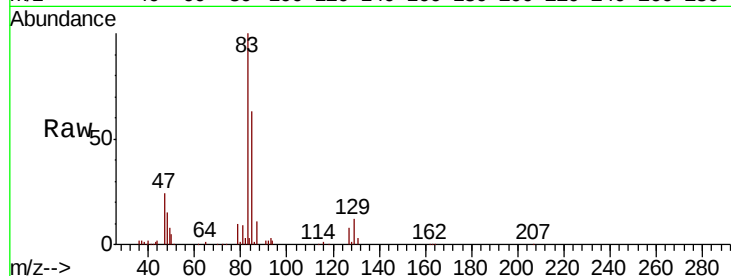
Tgt Ion: 83 Resp: 36231

Ion Ratio Lower Upper

83 100

85 62.5 49.4 74.2

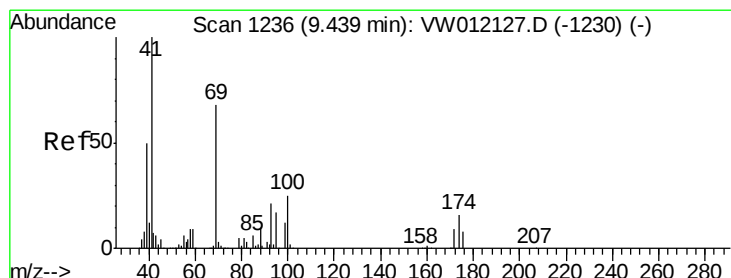
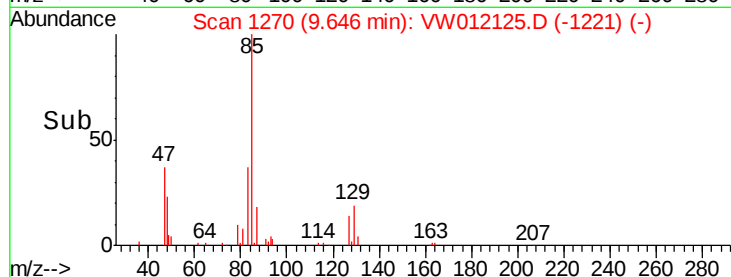
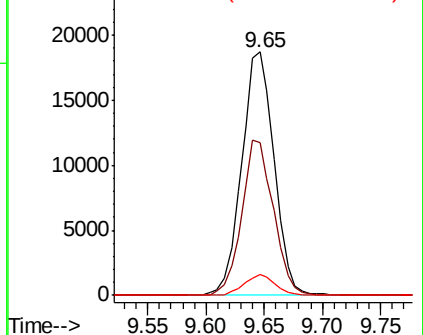
127 8.5 6.1 9.1



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: 8.850 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

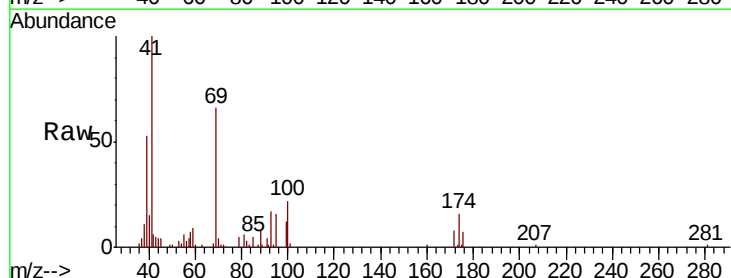
Tgt Ion: 41 Resp: 18780

Ion Ratio Lower Upper

41 100

69 77.1 56.7 85.1

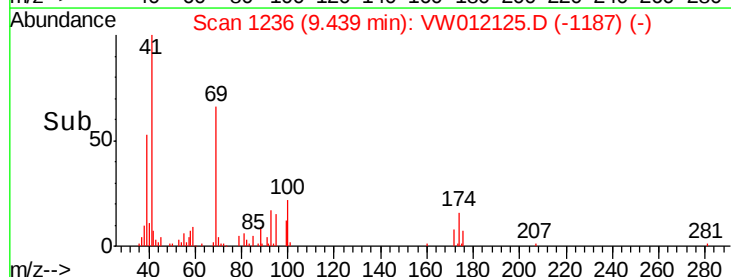
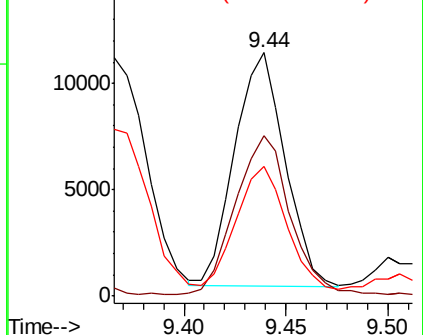
39 52.3 42.0 63.0

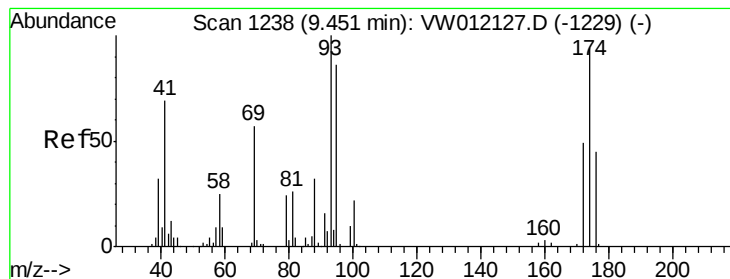


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 197.302 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

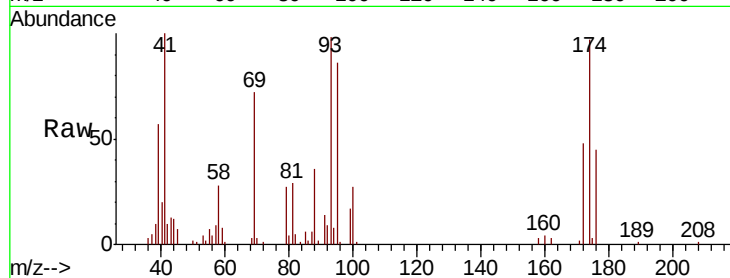
Tgt Ion: 88 Resp: 4338

Ion Ratio Lower Upper

88 100

43 28.3 32.9 49.3#

58 83.8 71.0 106.4

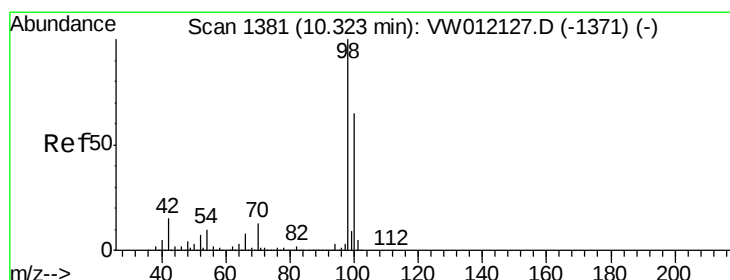
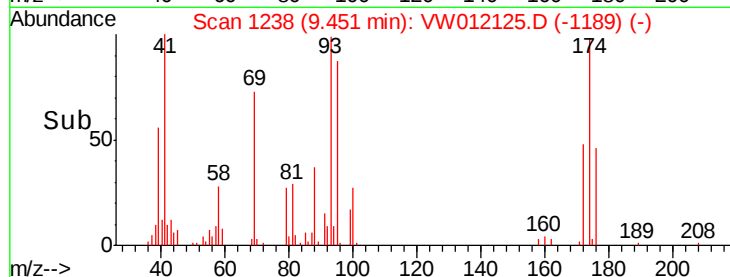
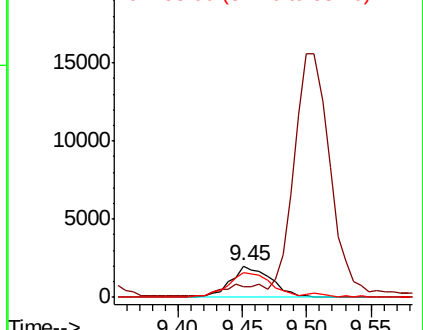


Abundance

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: 9.771 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012125.D

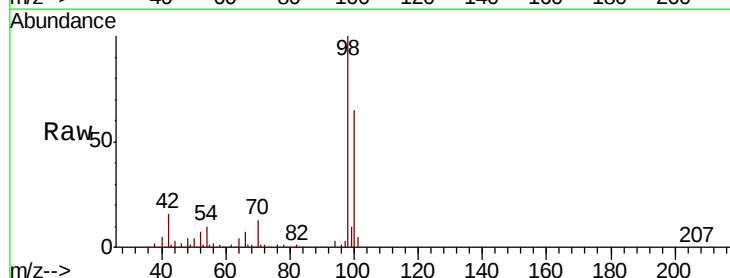
Acq: 23 Aug 2019 10:11

Tgt Ion: 98 Resp: 100522

Ion Ratio Lower Upper

98 100

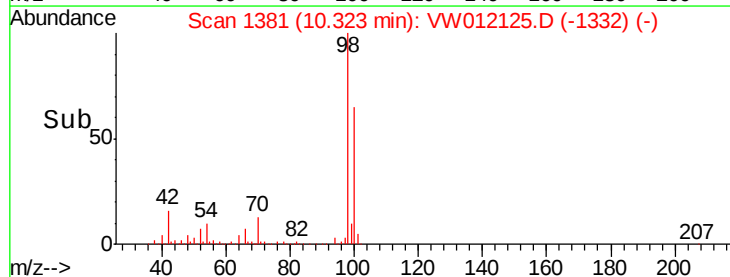
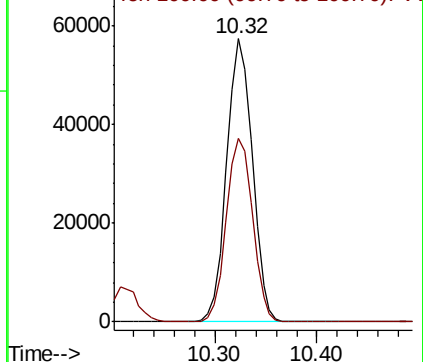
100 66.4 52.4 78.6



Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

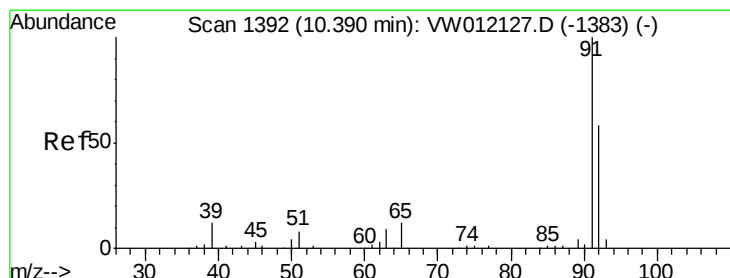
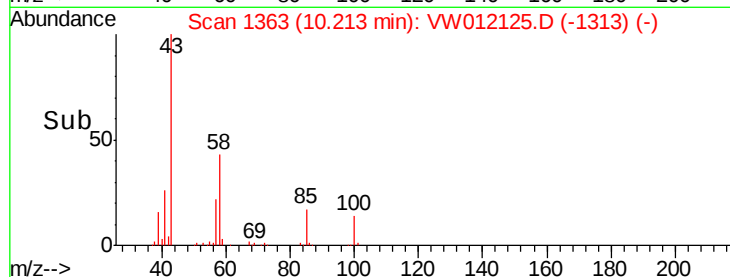
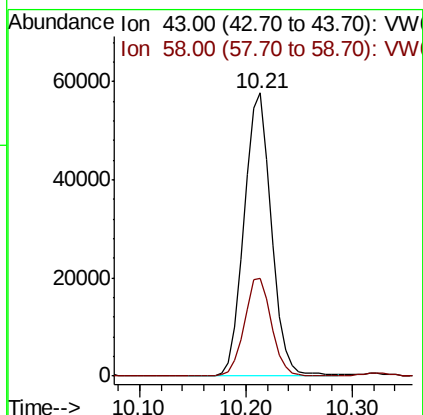
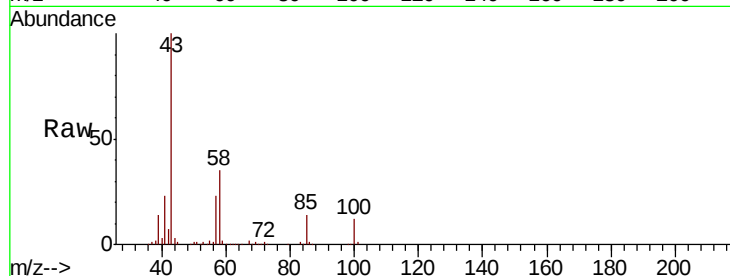




#51
 4-Methyl-2-Pentanone
 Concen: 46.088 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW012125.D
 Acq: 23 Aug 2019 10:11

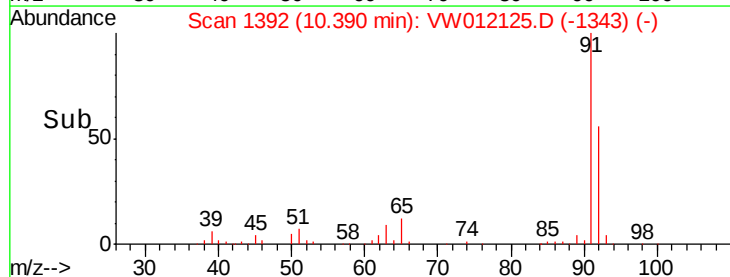
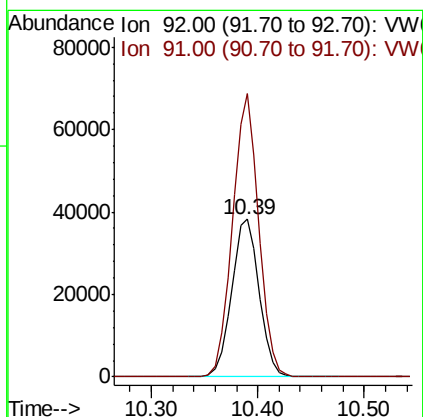
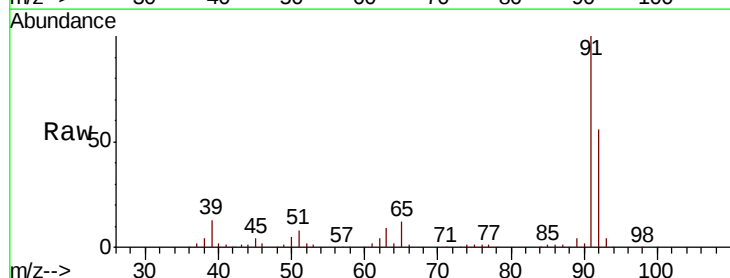
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

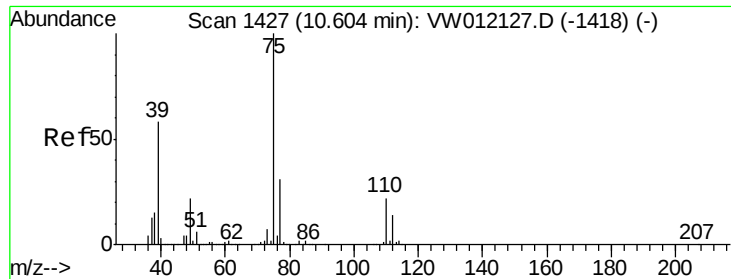
Tgt Ion: 43 Resp: 104516
 Ion Ratio Lower Upper
 43 100
 58 34.6 28.2 42.2



#52
 Toluene
 Concen: 9.571 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW012125.D
 Acq: 23 Aug 2019 10:11

Tgt Ion: 92 Resp: 68961
 Ion Ratio Lower Upper
 92 100
 91 171.5 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 9.057 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampled :

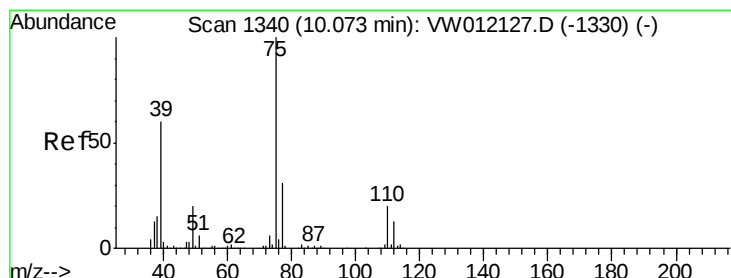
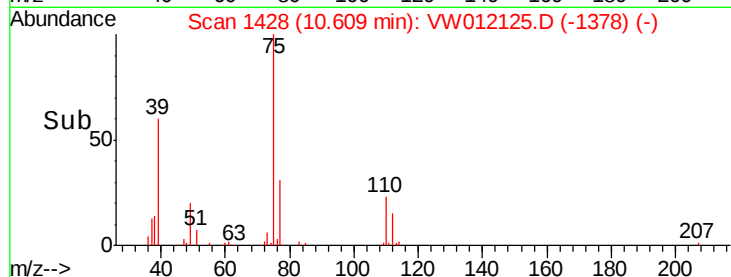
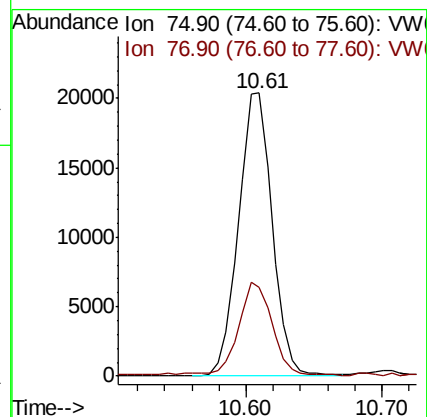
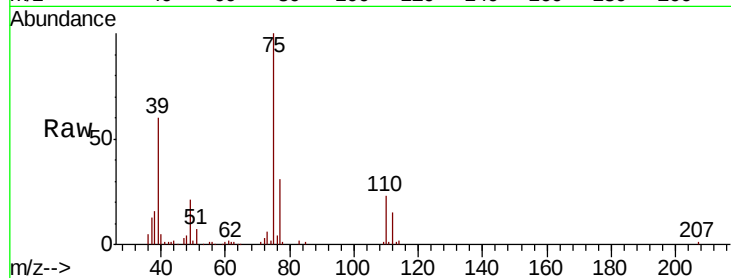
VSTDIC010

Tgt Ion: 75 Resp: 35262

Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 9.319 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

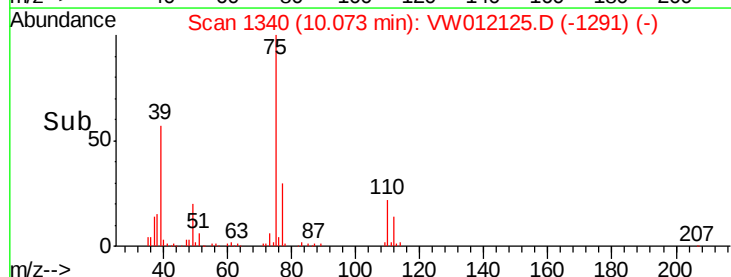
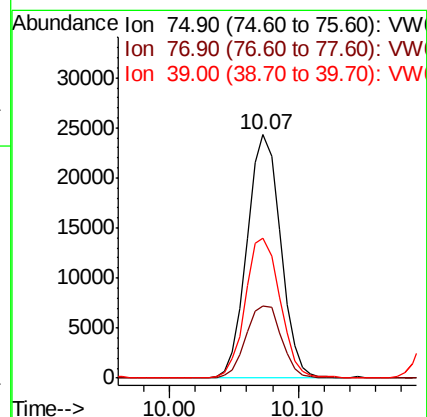
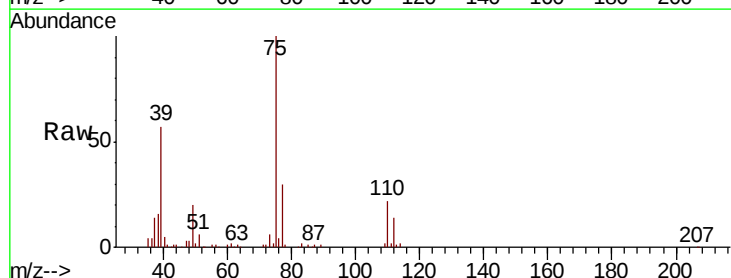
Tgt Ion: 75 Resp: 43810

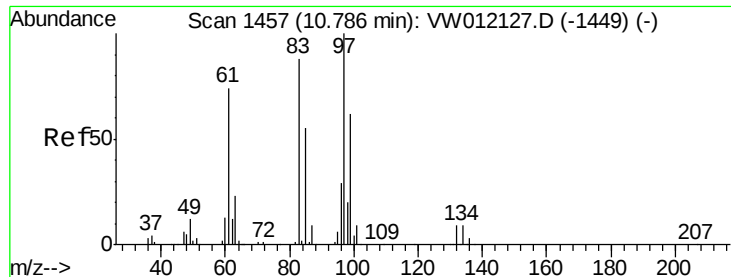
Ion Ratio Lower Upper

75 100

77 29.8 25.1 37.7

39 57.2 48.3 72.5

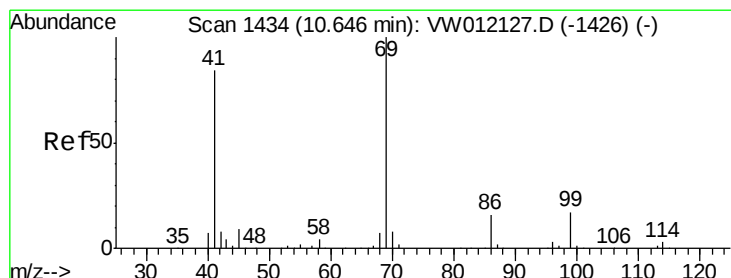
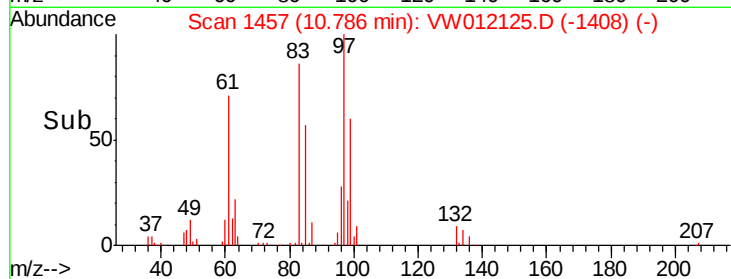
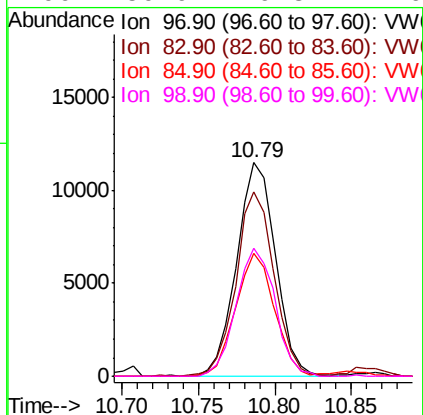
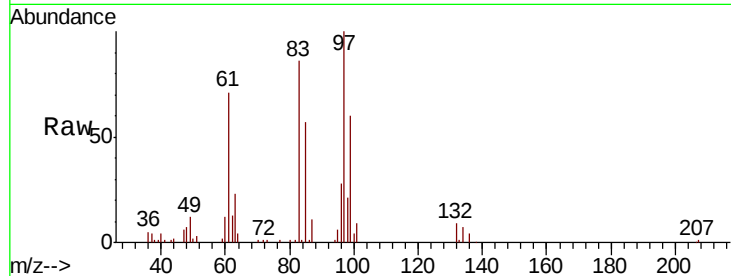




#55
 1,1,2-Trichloroethane
 Concen: 9.998 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012125.D
 Acq: 23 Aug 2019 10:11

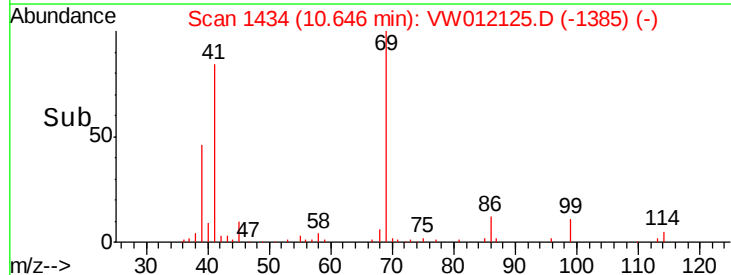
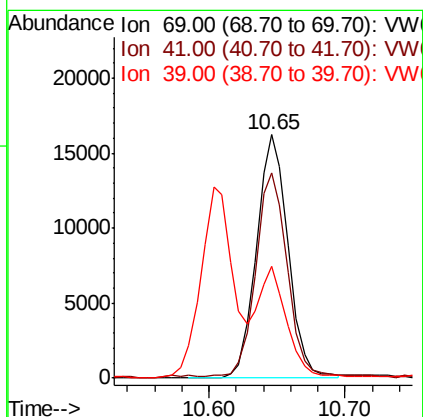
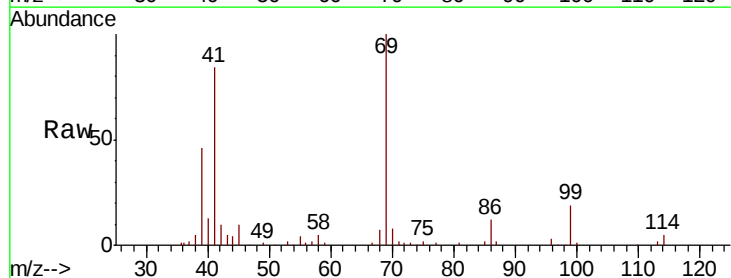
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

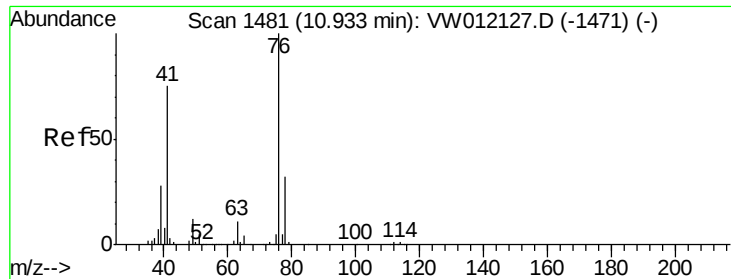
Tgt Ion:	97	Resp:	20316
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.8	106.2
85	57.4	43.8	65.8
99	59.9	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 8.943 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012125.D
 Acq: 23 Aug 2019 10:11

Tgt Ion:	69	Resp:	26449
Ion	Ratio	Lower	Upper
69	100		
41	85.1	66.5	99.7
39	42.0	31.0	46.4

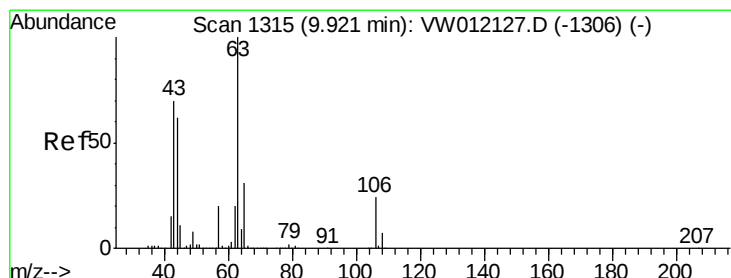
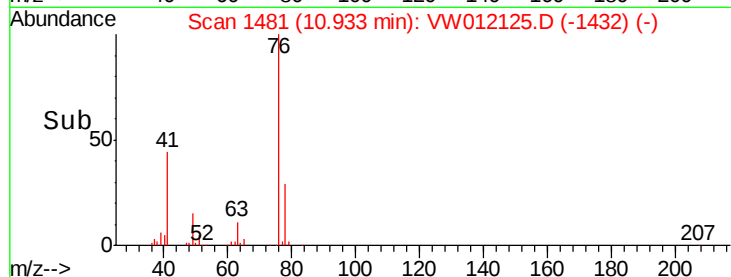
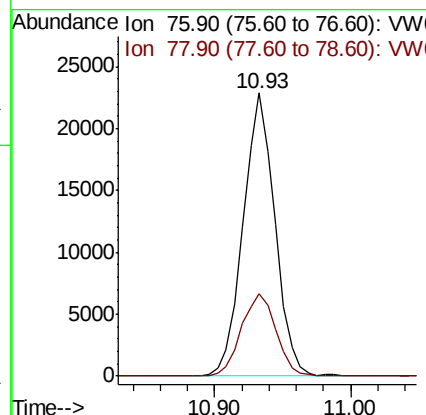
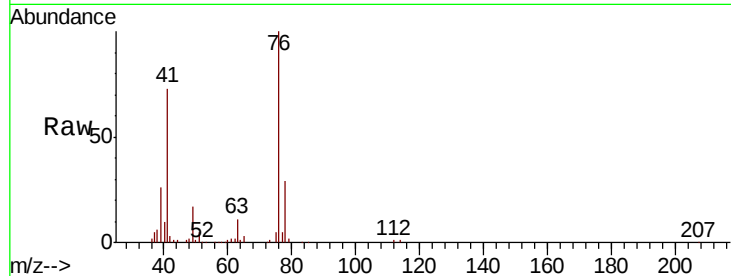




#57
 1,3-Dichloropropane
 Concen: 9.691 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012125.D
 Acq: 23 Aug 2019 10:11

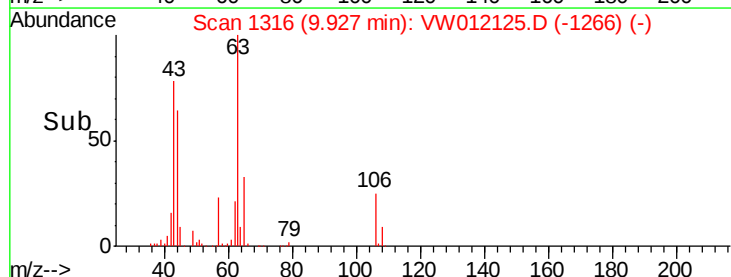
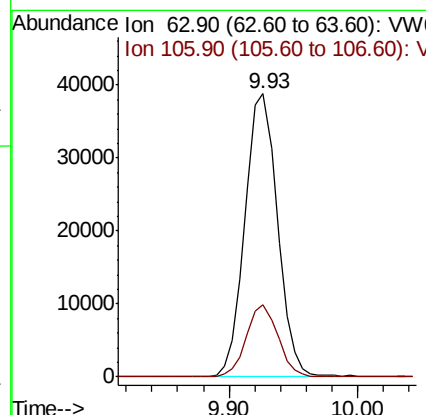
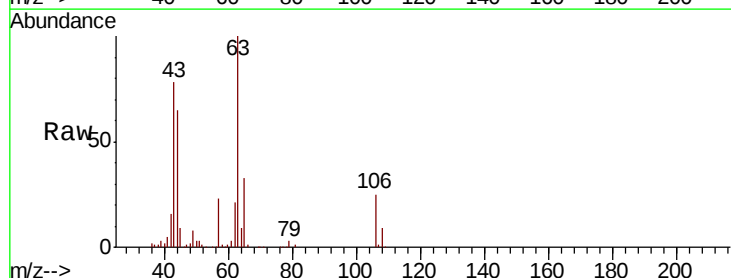
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

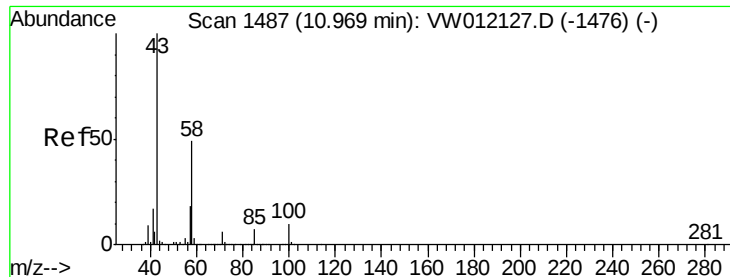
Tgt Ion: 76 Resp: 37212
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 44.786 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012125.D
 Acq: 23 Aug 2019 10:11

Tgt Ion: 63 Resp: 67978
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.8 29.8

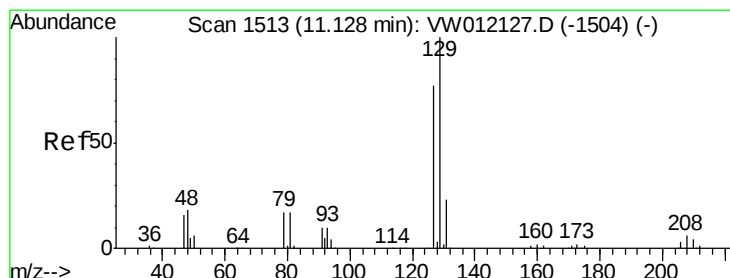
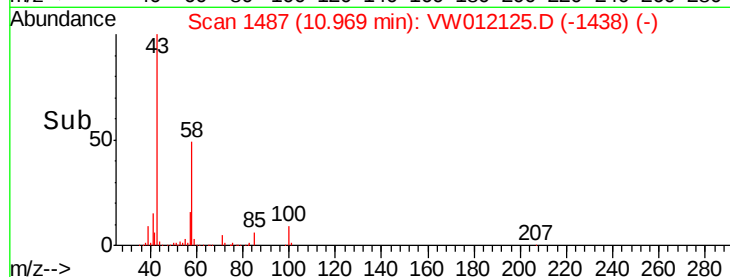
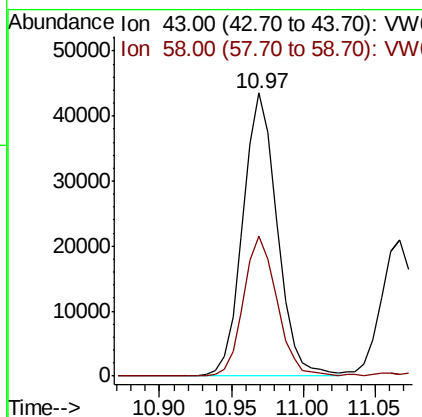
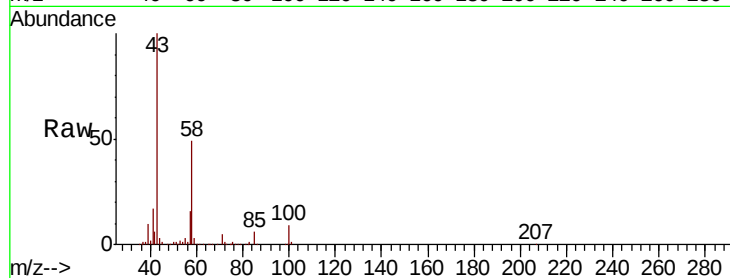




#59
2-Hexanone
Concen: 44.350 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

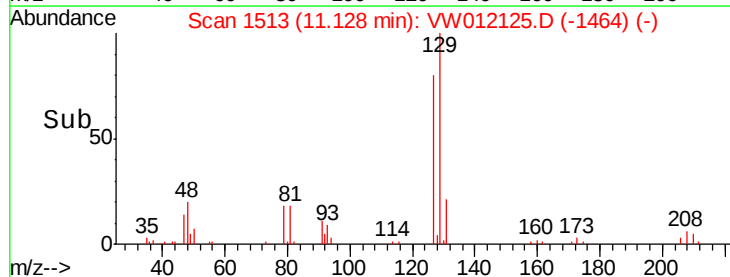
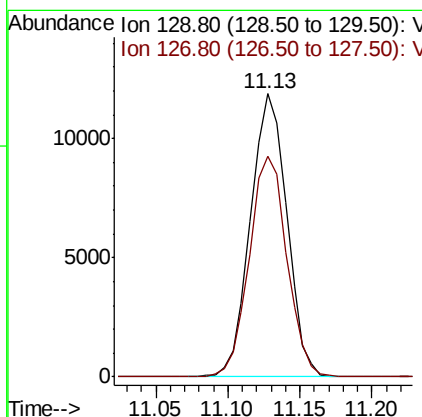
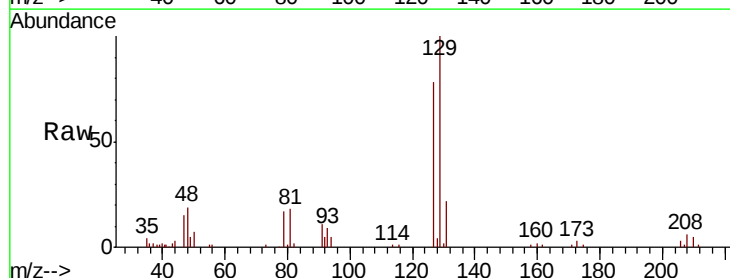
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

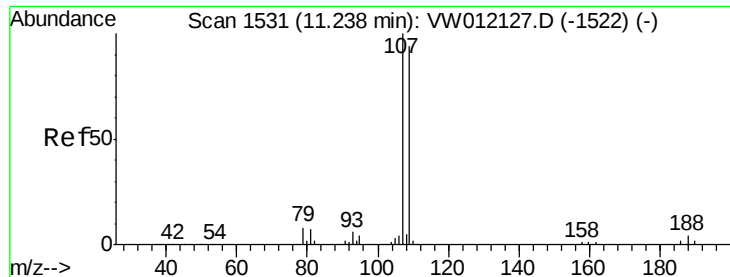
Tgt Ion: 43 Resp: 71163
Ion Ratio Lower Upper
43 100
58 48.6 24.3 72.9



#60
Dibromochloromethane
Concen: 9.170 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Tgt Ion: 129 Resp: 20756
Ion Ratio Lower Upper
129 100
127 80.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 9.391 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

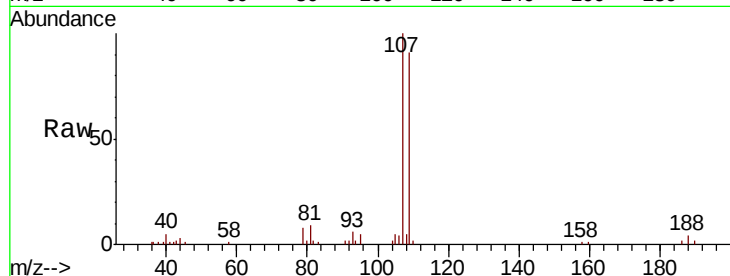
VSTDIC010

Tgt Ion: 107 Resp: 17779

Ion Ratio Lower Upper

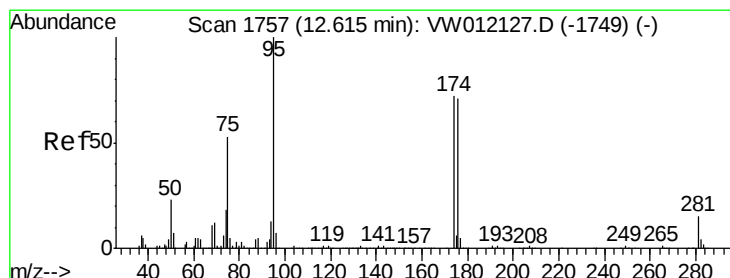
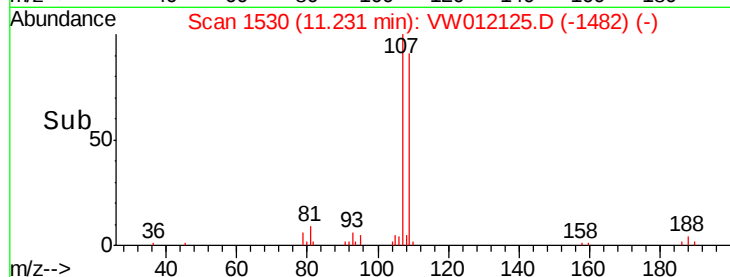
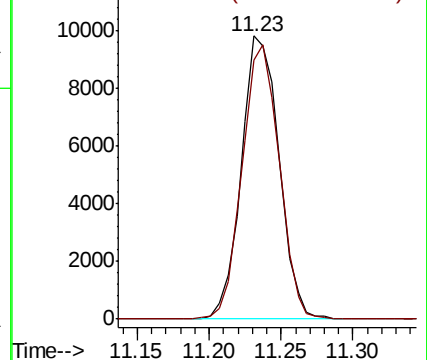
107 100

109 95.8 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 9.990 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

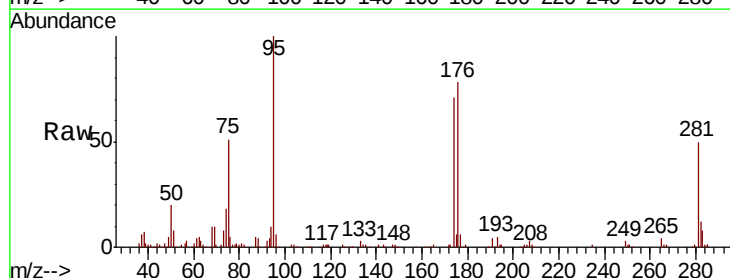
Tgt Ion: 95 Resp: 36228

Ion Ratio Lower Upper

95 100

174 73.3 0.0 150.8

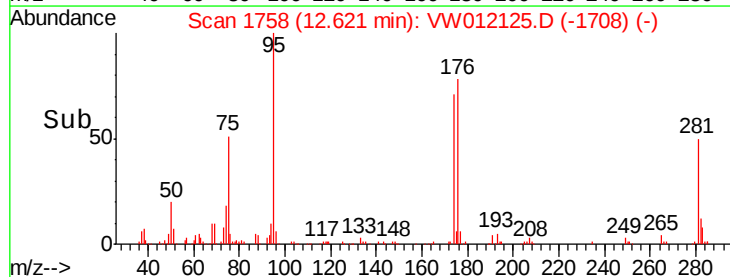
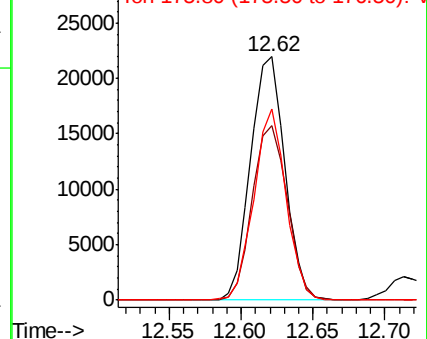
176 73.2 0.0 148.6

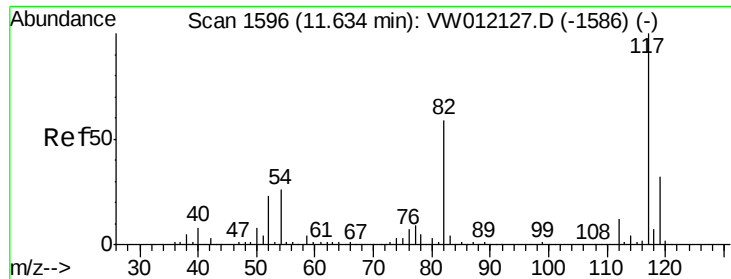


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

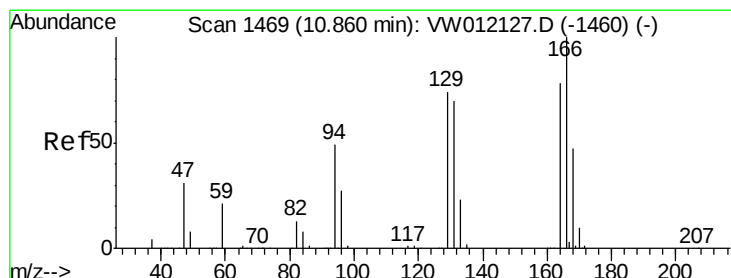
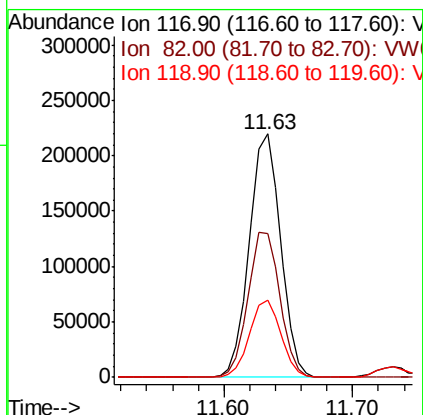
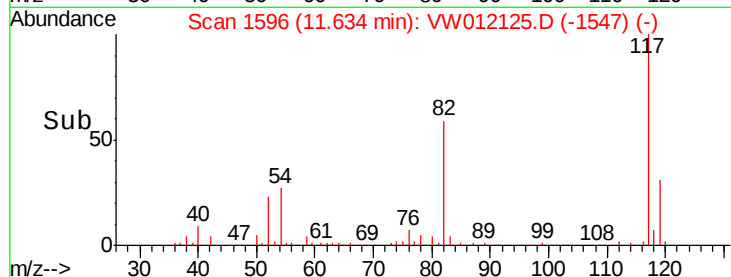
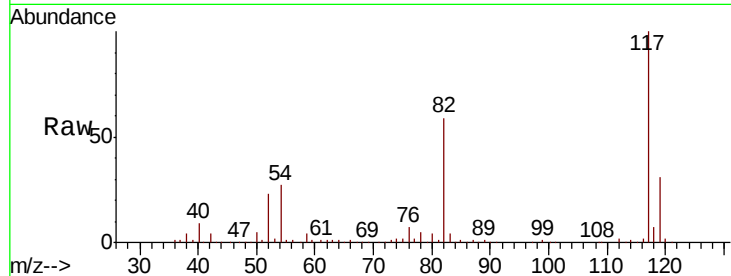




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

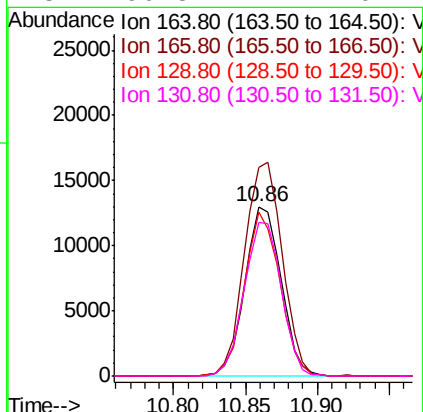
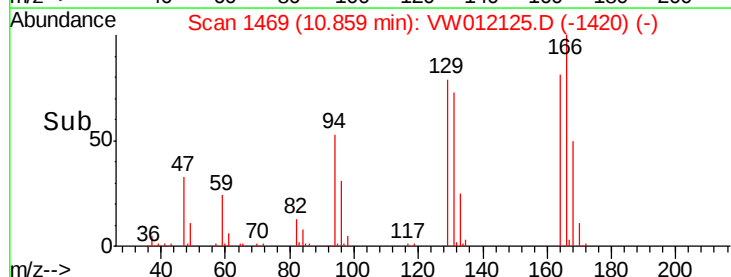
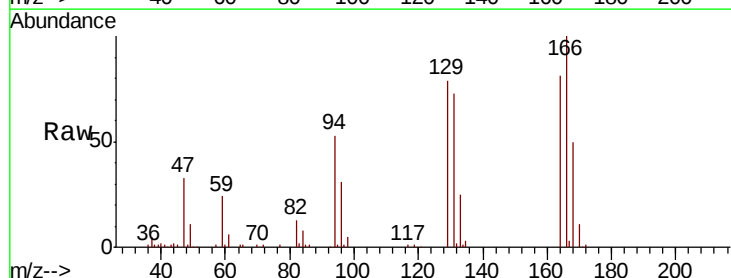
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

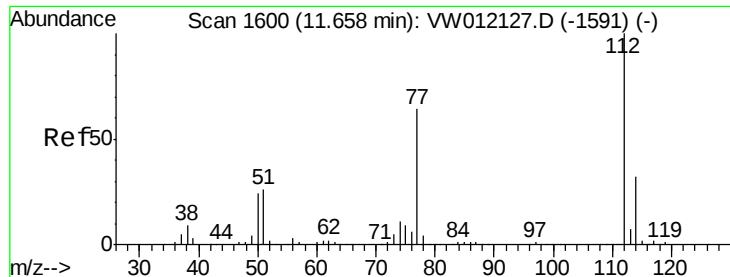
Tgt Ion:117 Resp: 367397
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 31.5 25.4 38.2



#64
Tetrachloroethene
Concen: 9.437 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Tgt Ion:164 Resp: 22479
Ion Ratio Lower Upper
164 100
166 123.6 102.4 153.6
129 97.0 75.8 113.6
131 90.8 71.4 107.2





#65

Chlorobenzene

Concen: 9.805 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

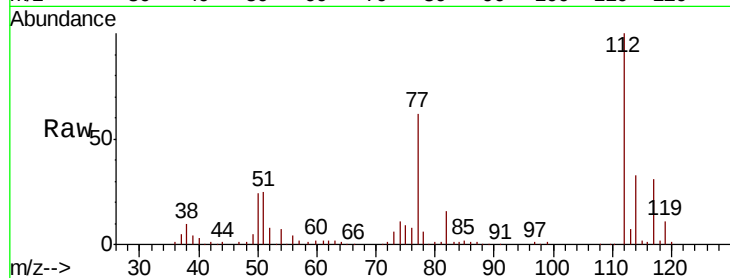
VSTDIC010

Tgt Ion:112 Resp: 70930

Ion Ratio Lower Upper

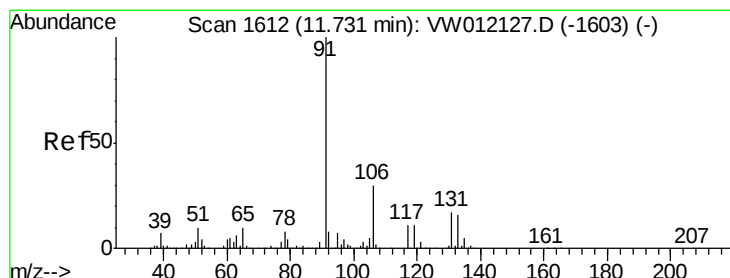
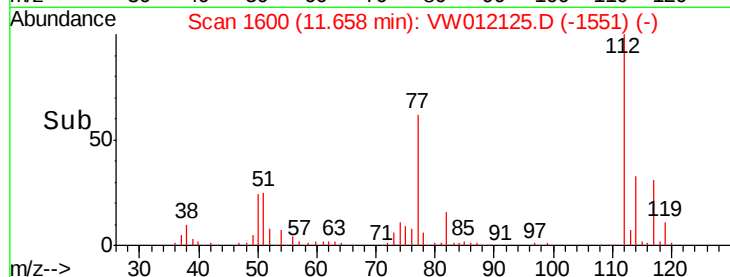
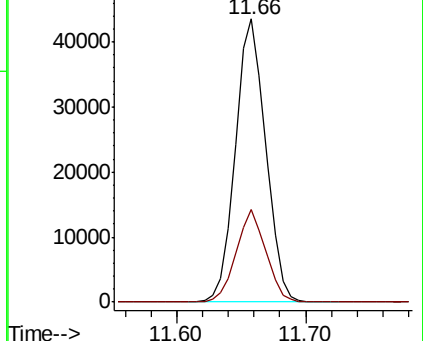
112 100

114 32.9 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.522 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

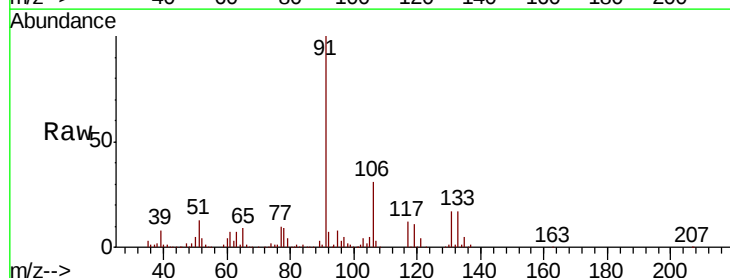
Tgt Ion:131 Resp: 24031

Ion Ratio Lower Upper

131 100

133 98.0 47.1 141.3

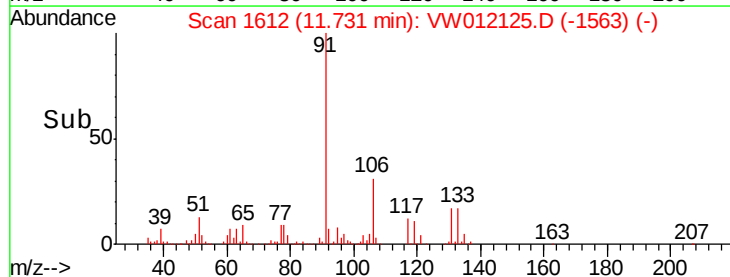
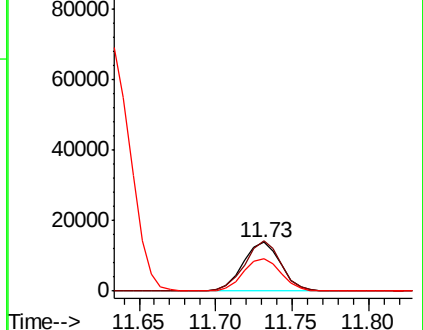
119 66.5 31.8 95.3

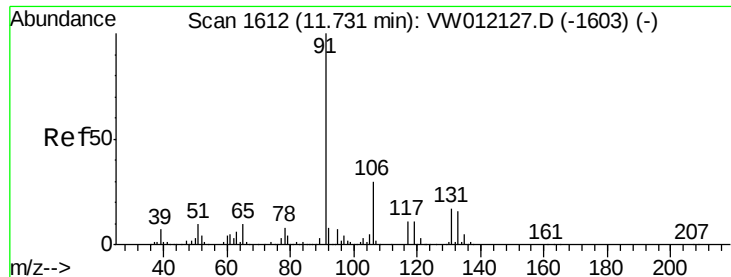


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

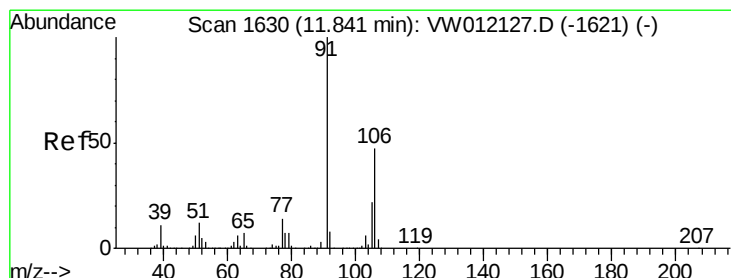
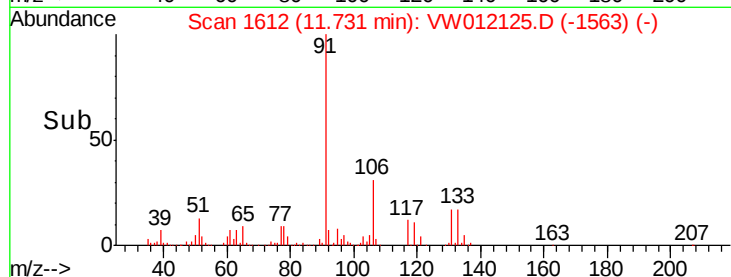
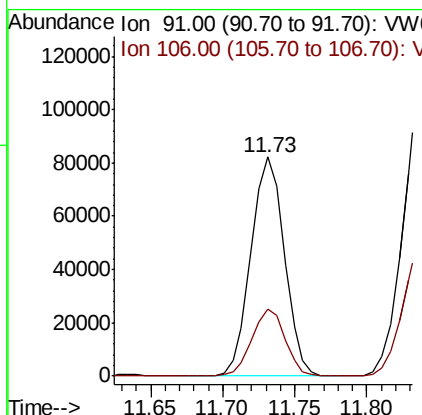
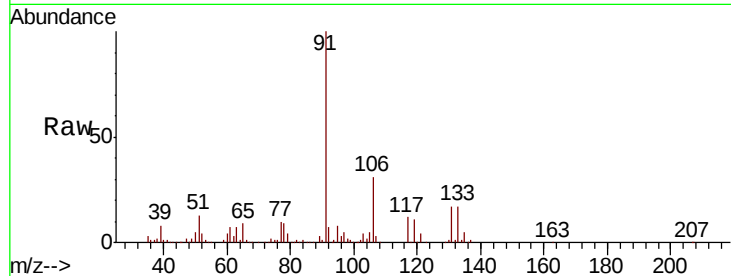




#67
Ethyl Benzene
Concen: 9.483 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

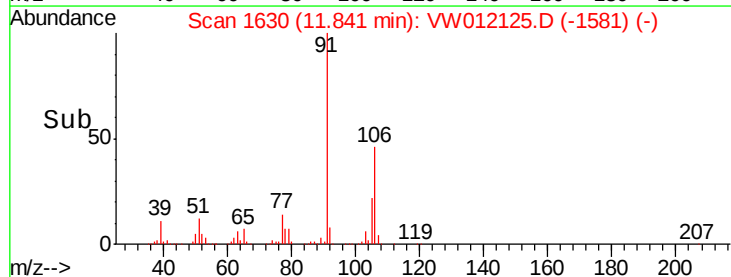
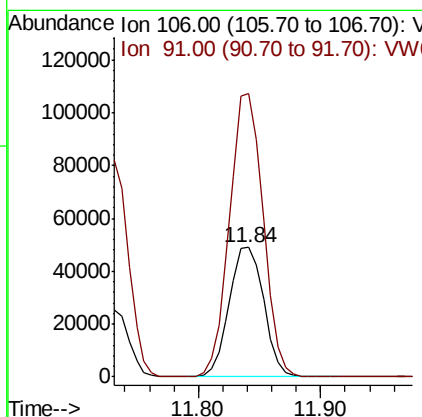
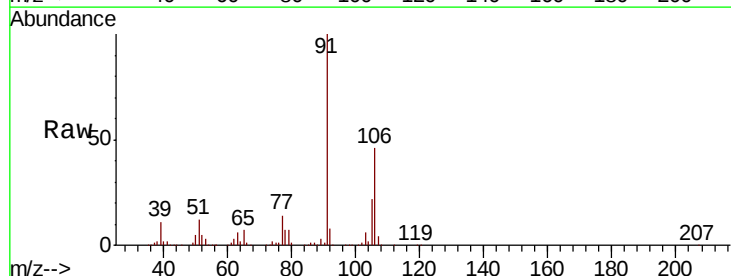
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 132157
Ion Ratio Lower Upper
91 100
106 30.9 24.3 36.5



#68
m/p-Xylenes
Concen: 19.103 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Tgt Ion: 106 Resp: 95893
Ion Ratio Lower Upper
106 100
91 213.3 169.5 254.3

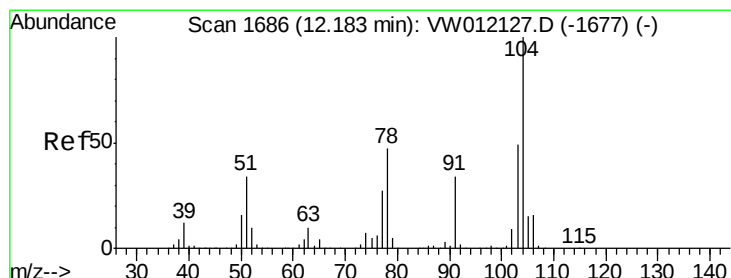
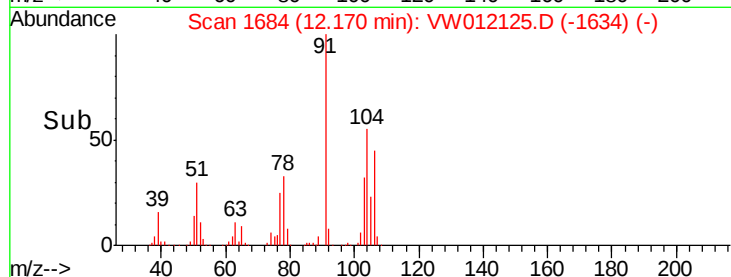
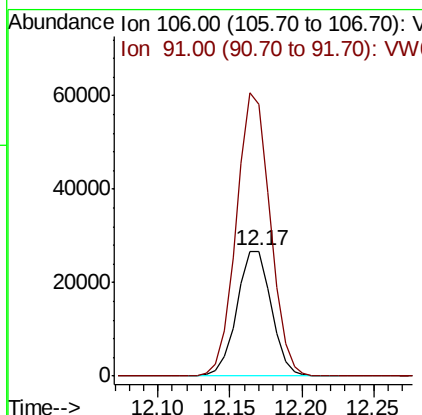
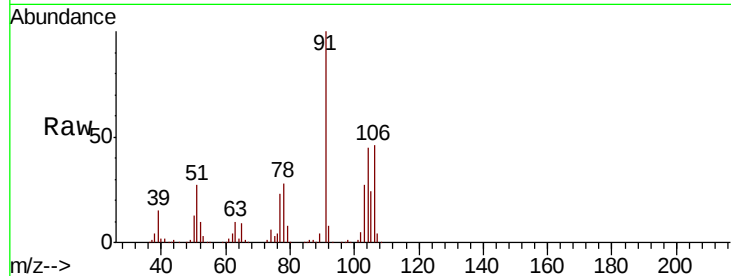




#69
o-Xylene
Concen: 9.595 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

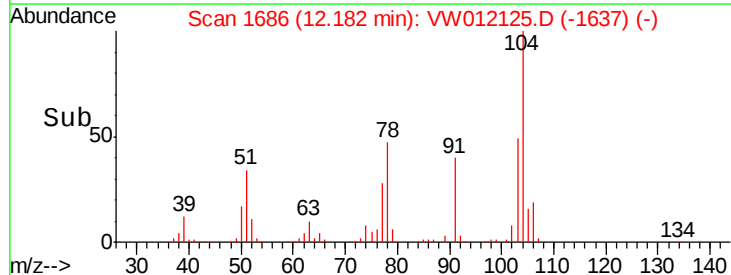
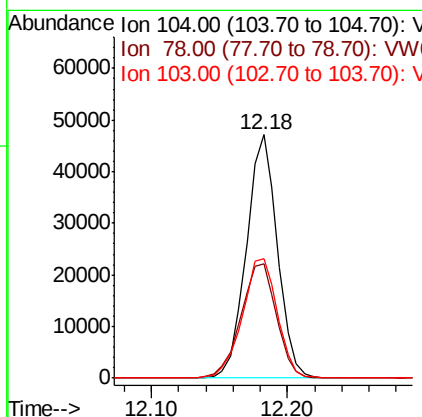
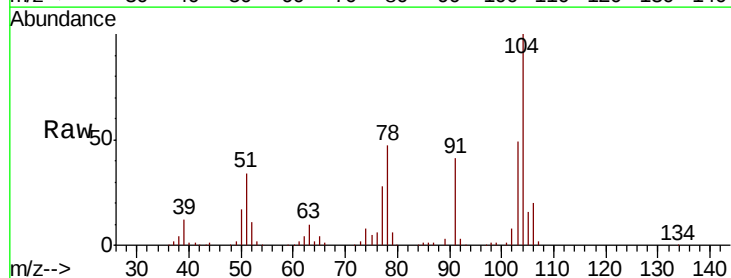
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

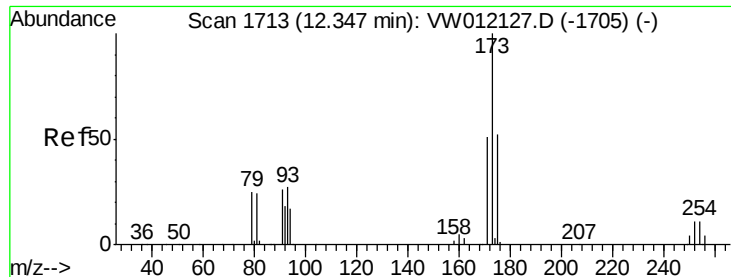
Tgt Ion:106 Resp: 44577
Ion Ratio Lower Upper
106 100
91 223.0 111.6 334.6



#70
Styrene
Concen: 9.365 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Tgt Ion:104 Resp: 75314
Ion Ratio Lower Upper
104 100
78 54.2 43.1 64.7
103 55.5 43.5 65.3





#71

Bromoform

Concen: 9.055 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

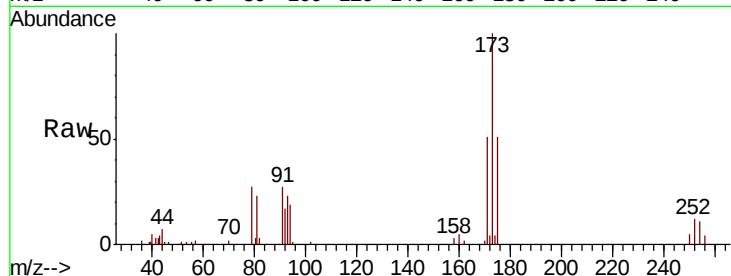
Tgt Ion:173 Resp: 11386

Ion Ratio Lower Upper

173 100

175 50.3 24.6 74.0

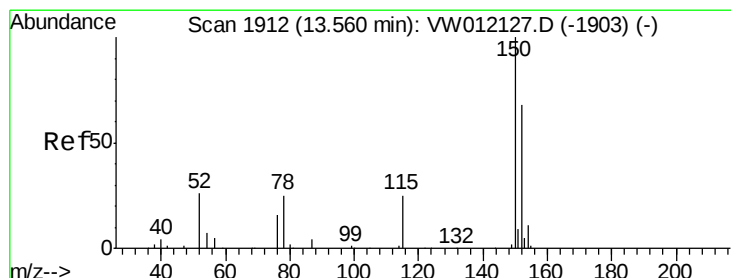
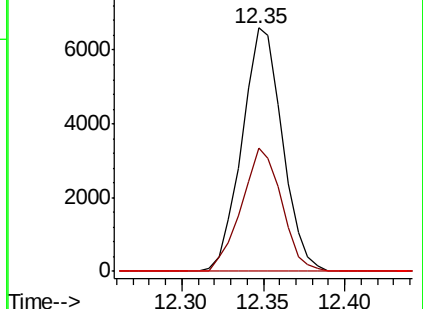
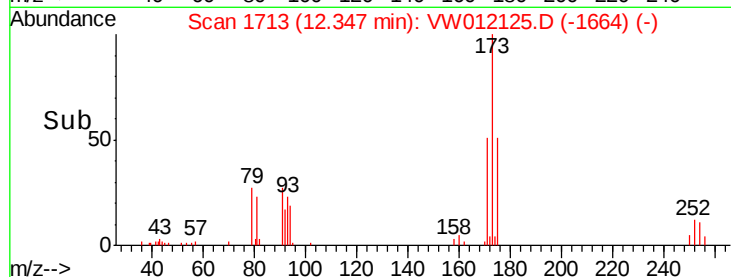
254 0.0 0.2 0.2#



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: VW012125.D

Acq: 23 Aug 2019 10:11

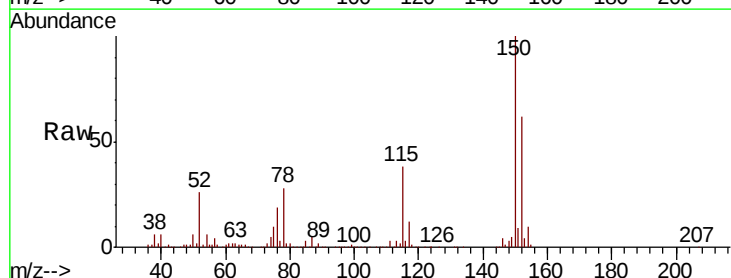
Tgt Ion:152 Resp: 174834

Ion Ratio Lower Upper

152 100

115 61.4 30.1 90.3

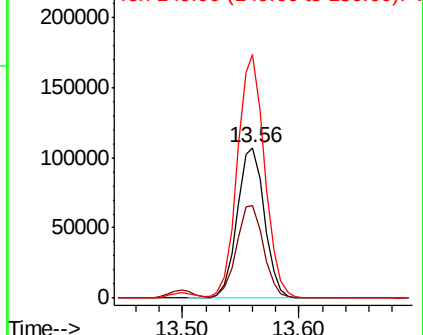
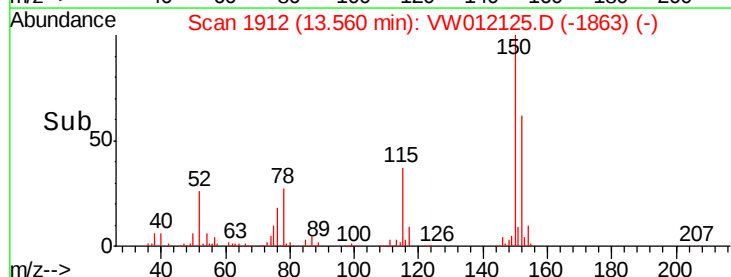
150 161.8 0.0 345.8

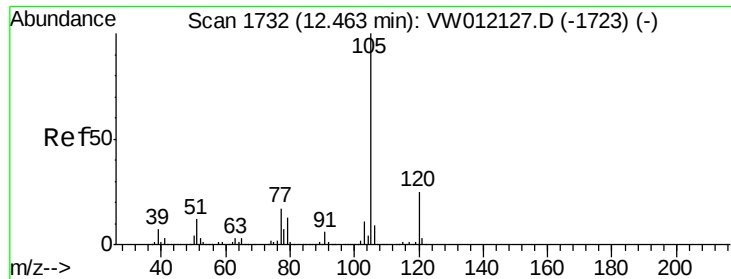


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.632 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

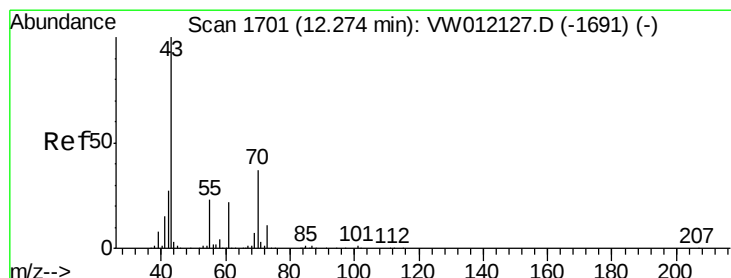
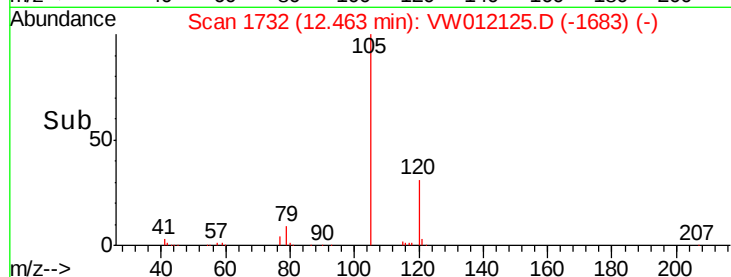
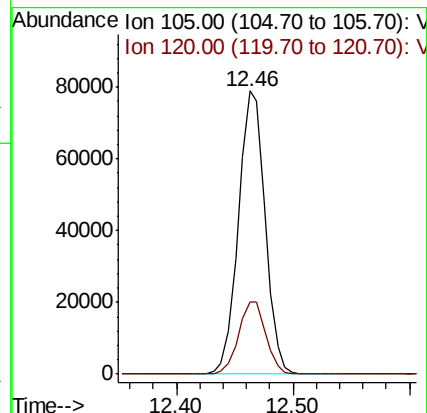
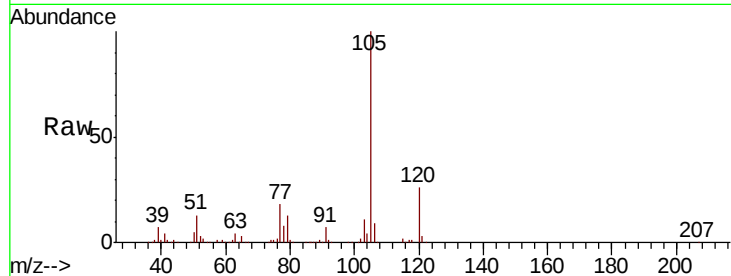
VSTDIC010

Tgt Ion: 105 Resp: 126188

Ion Ratio Lower Upper

105 100

120 25.9 12.5 37.5



#74

N-ethyl acetate

Concen: 9.038 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Tgt Ion: 43 Resp: 35774

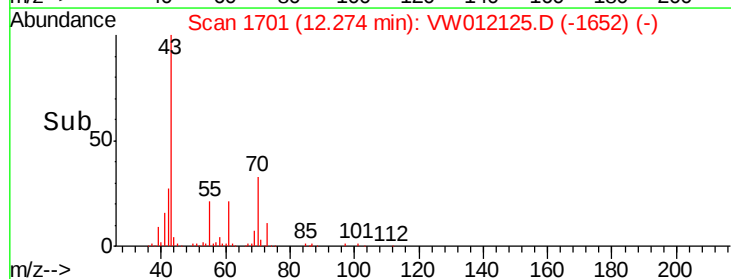
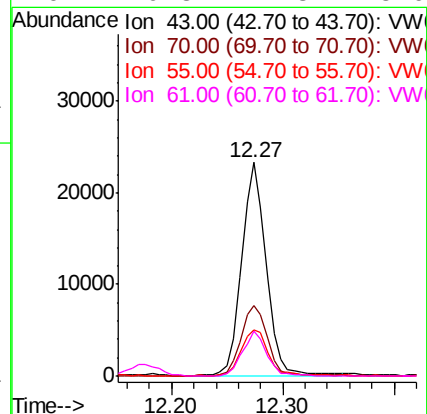
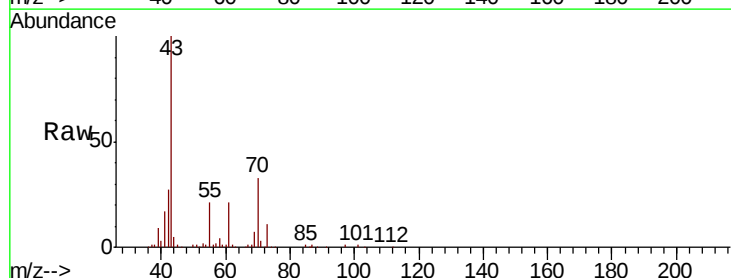
Ion Ratio Lower Upper

43 100

70 34.9 28.6 43.0

55 24.2 17.8 26.6

61 20.3 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 9.720 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

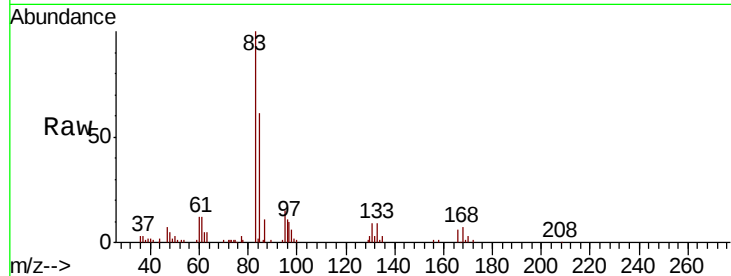
Tgt Ion: 83 Resp: 23345

Ion Ratio Lower Upper

83 100

131 10.6 4.9 14.7

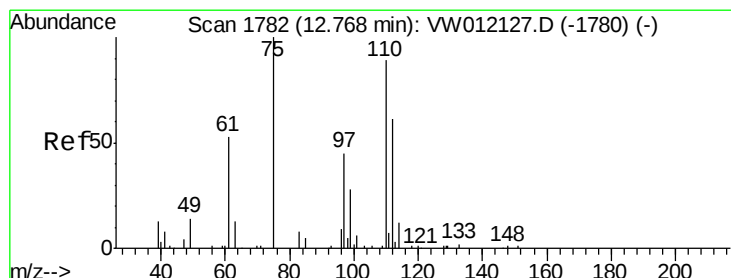
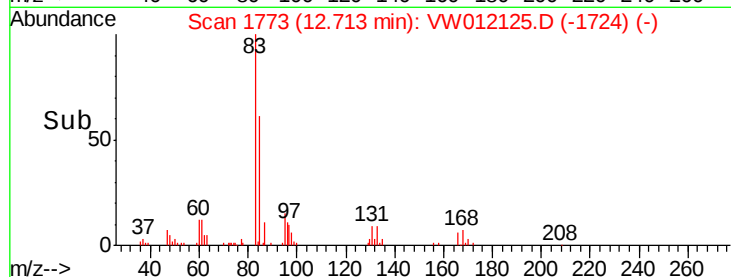
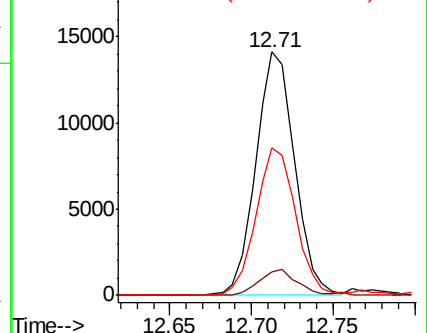
85 61.7 31.9 95.7



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: 17.862 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012125.D

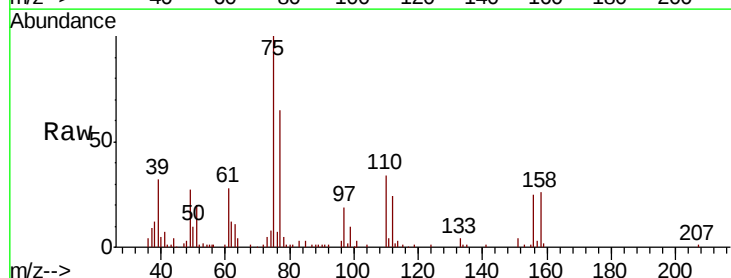
Acq: 23 Aug 2019 10:11

Tgt Ion: 75 Resp: 30091

Ion Ratio Lower Upper

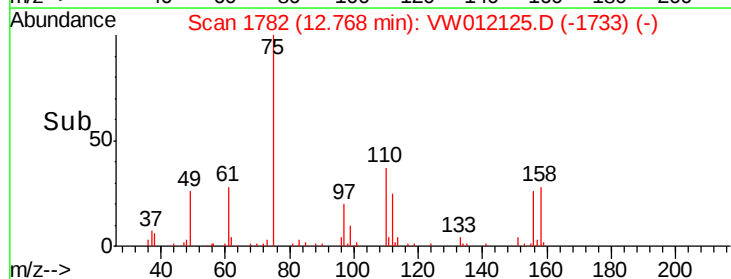
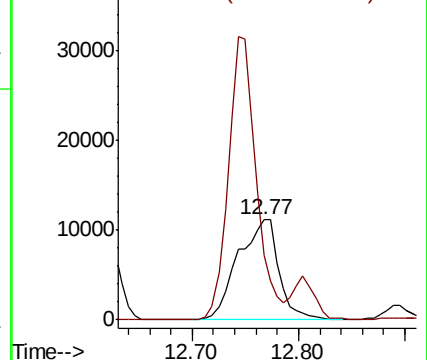
75 100

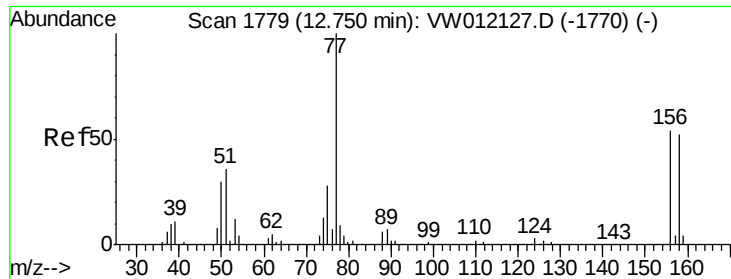
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 9.606 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

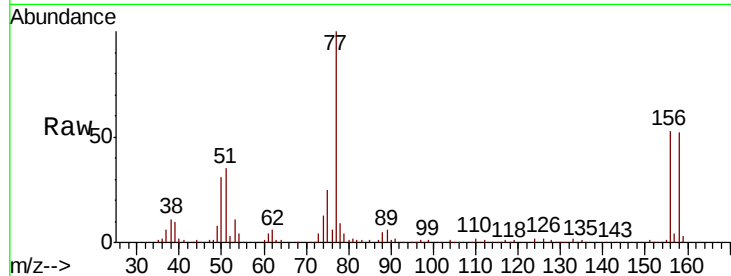
Tgt Ion: 156 Resp: 27225

Ion Ratio Lower Upper

156 100

77 211.6 107.3 321.8

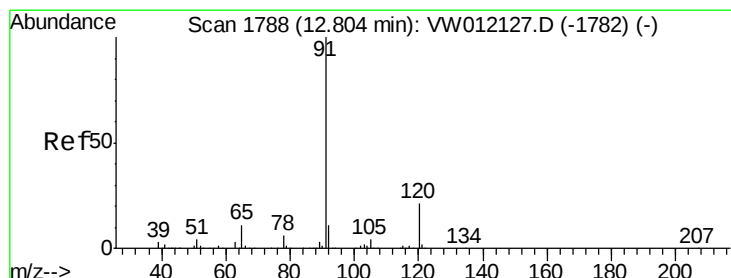
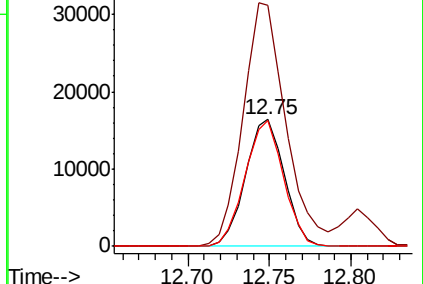
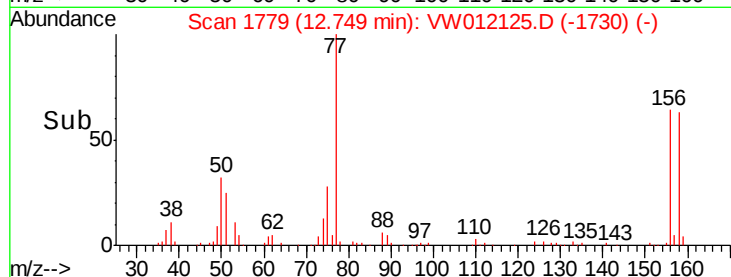
158 98.6 49.0 147.0



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: 9.615 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012125.D

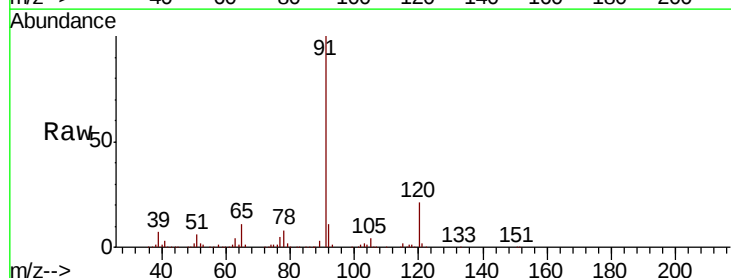
Acq: 23 Aug 2019 10:11

Tgt Ion: 91 Resp: 153777

Ion Ratio Lower Upper

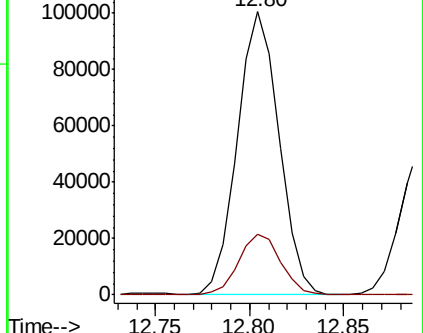
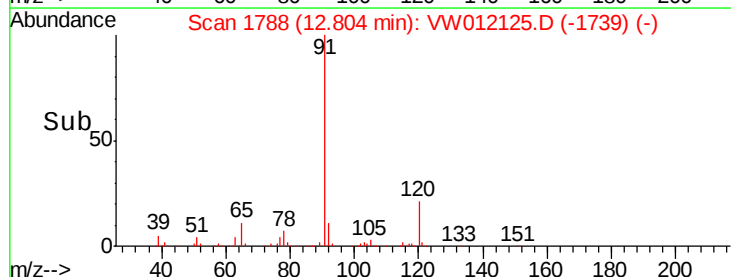
91 100

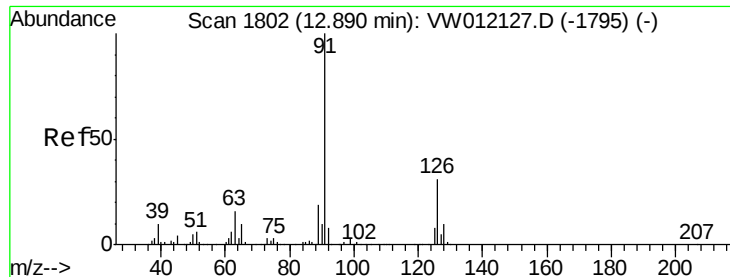
120 21.7 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.693 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampled :

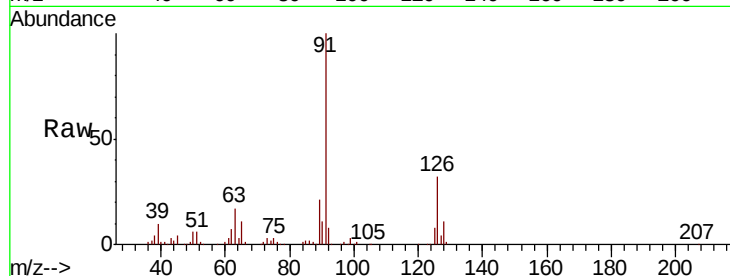
VSTDIC010

Tgt Ion: 91 Resp: 88013

Ion Ratio Lower Upper

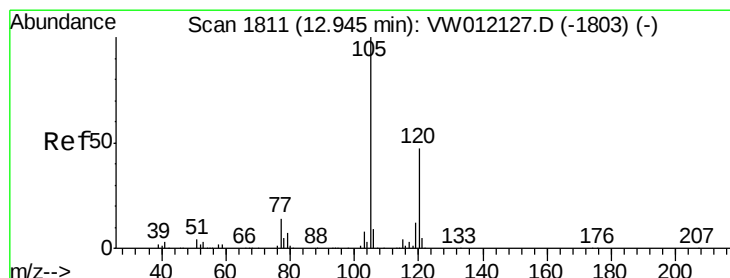
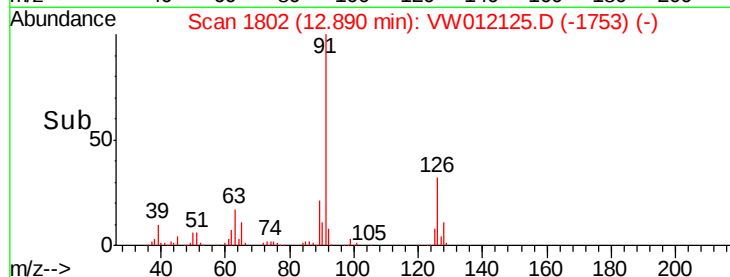
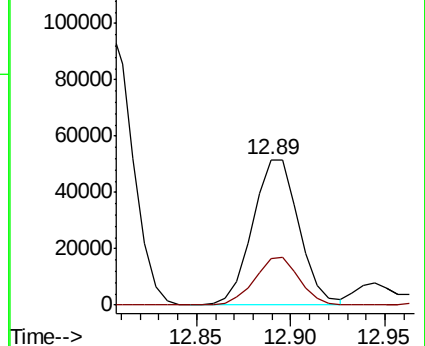
91 100

126 31.7 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 9.652 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012125.D

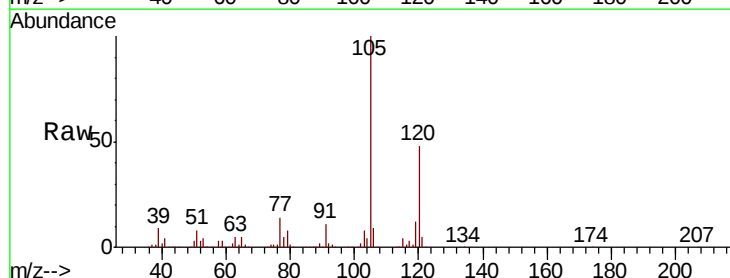
Acq: 23 Aug 2019 10:11

Tgt Ion: 105 Resp: 105662

Ion Ratio Lower Upper

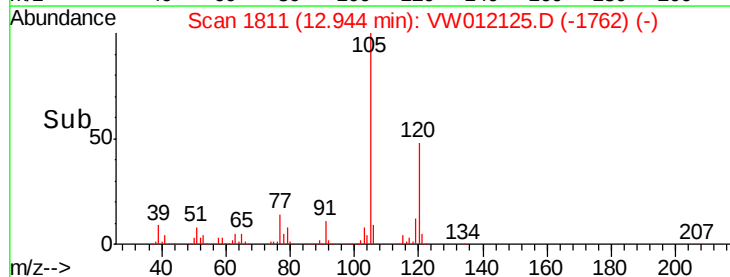
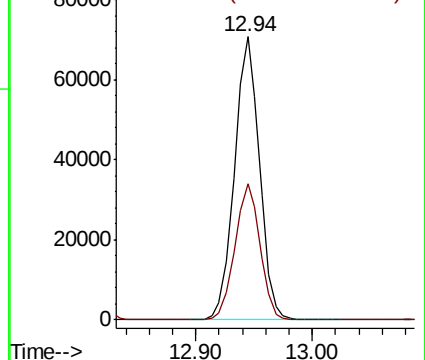
105 100

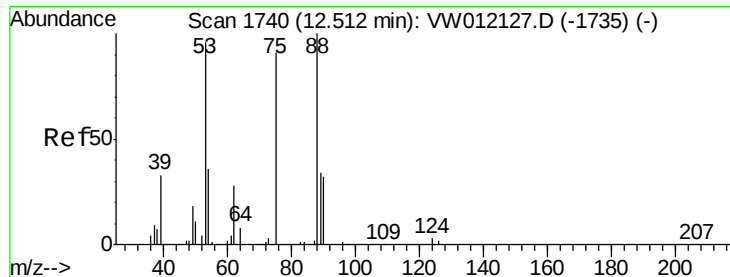
120 48.3 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 8.644 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

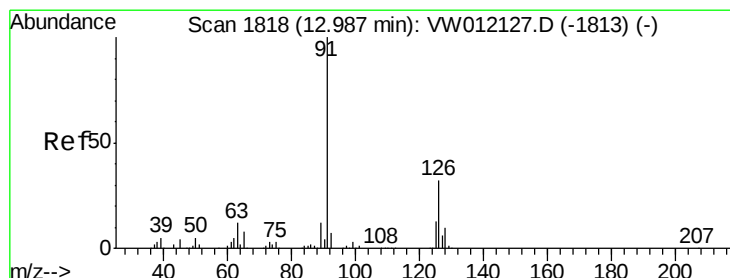
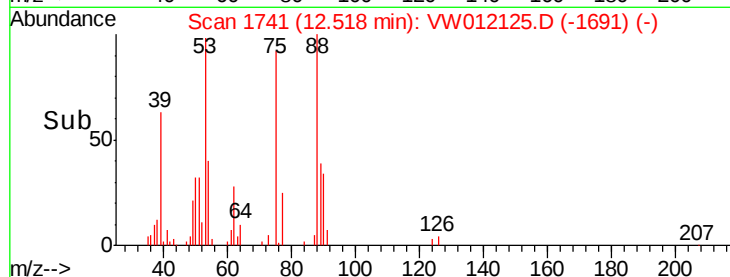
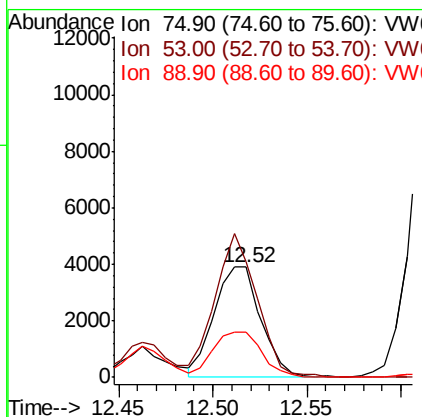
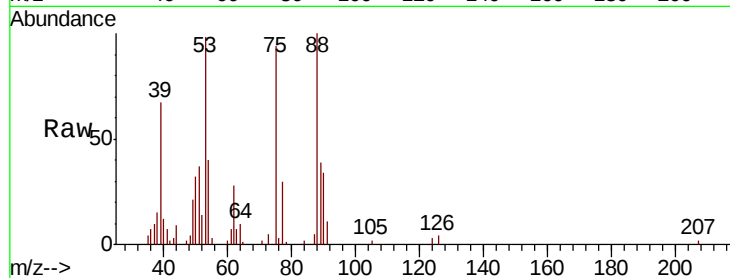
Tgt Ion: 75 Resp: 6713

Ion Ratio Lower Upper

75 100

53 119.3 89.4 134.0

89 42.8 34.5 51.7



#82

4-Chlorotoluene

Concen: 9.933 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012125.D

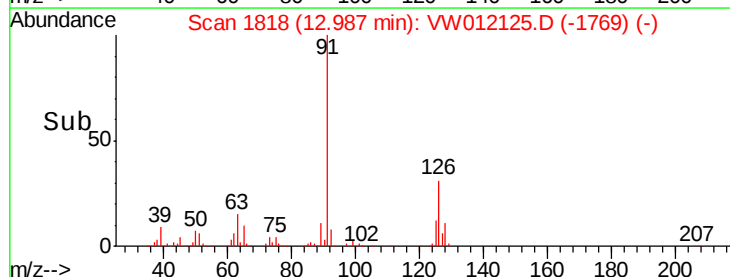
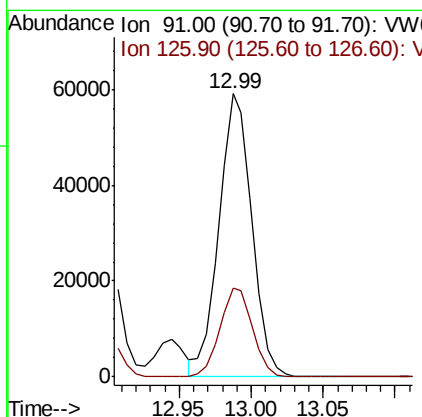
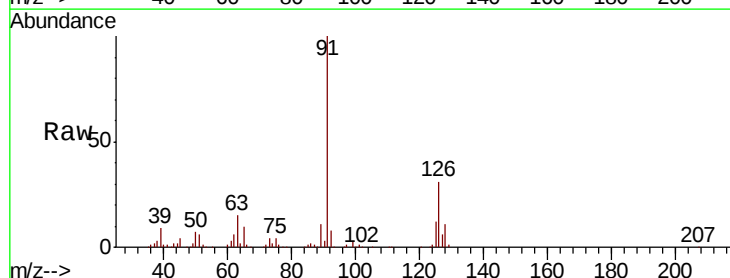
Acq: 23 Aug 2019 10:11

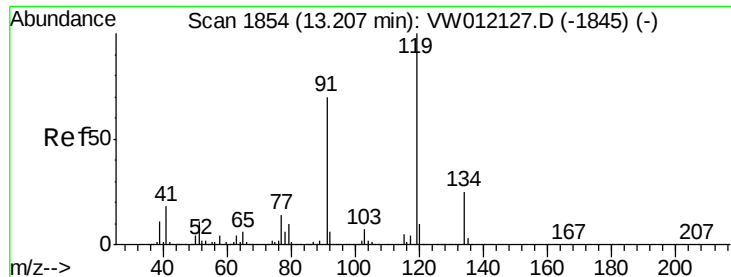
Tgt Ion: 91 Resp: 94440

Ion Ratio Lower Upper

91 100

126 31.1 15.6 46.8

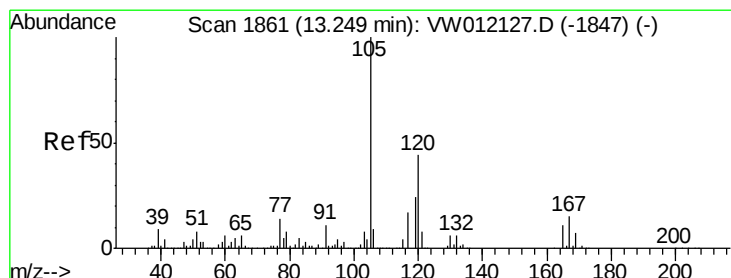
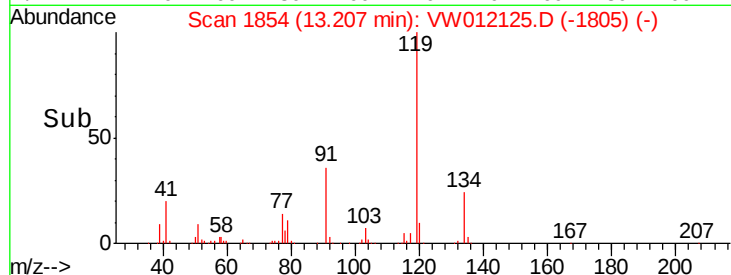
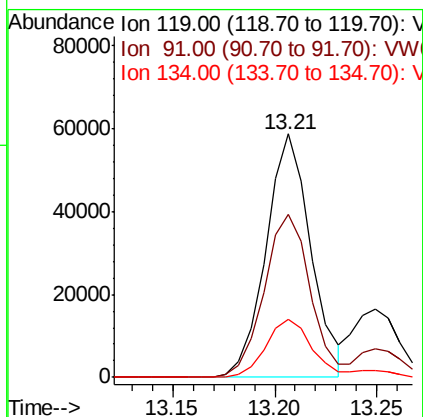
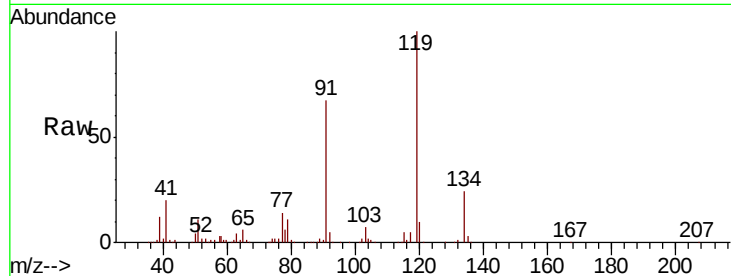




#83
tert-Butylbenzene
Concen: 9.722 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

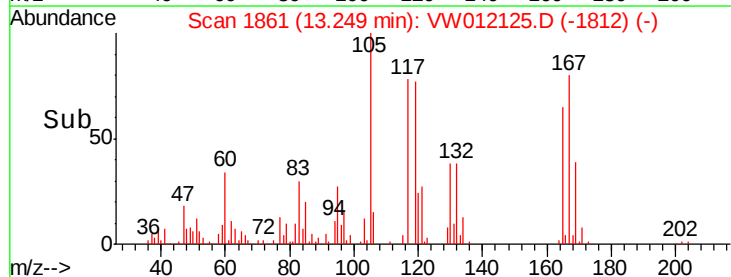
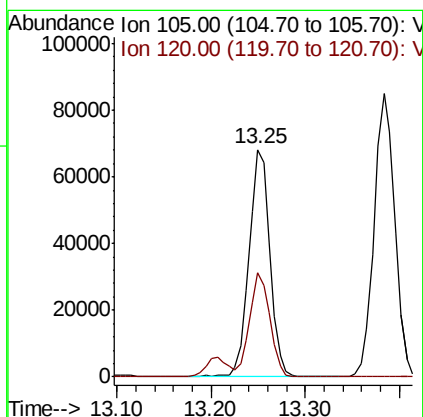
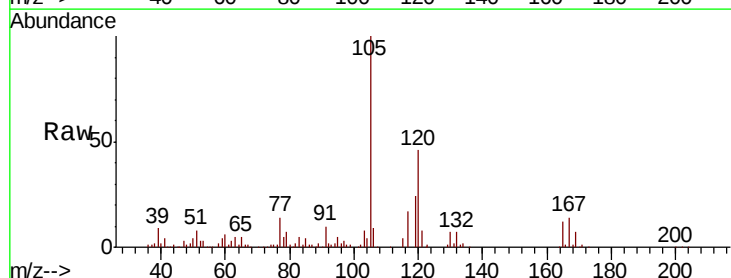
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

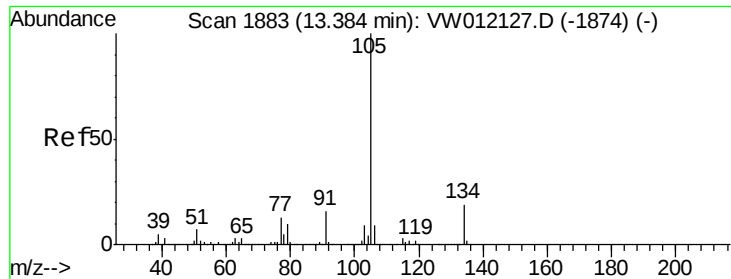
Tgt Ion:119 Resp: 90152
Ion Ratio Lower Upper
119 100
91 68.4 34.8 104.3
134 24.5 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 9.678 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Tgt Ion:105 Resp: 106420
Ion Ratio Lower Upper
105 100
120 44.2 21.9 65.7

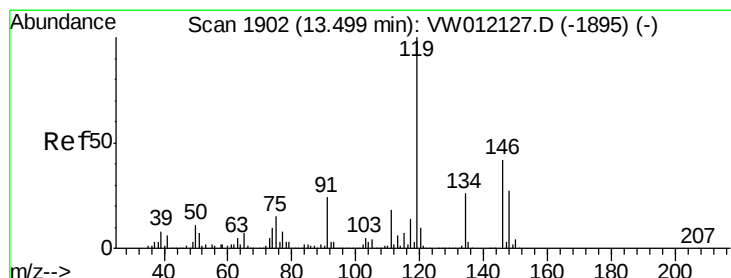
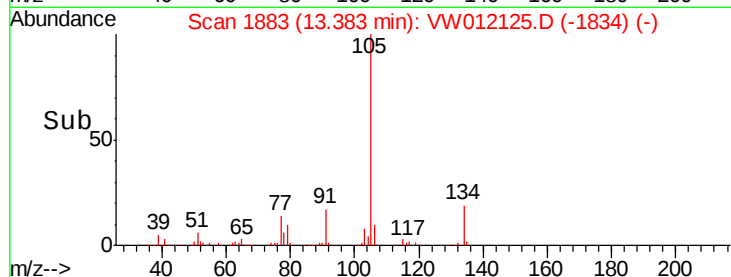
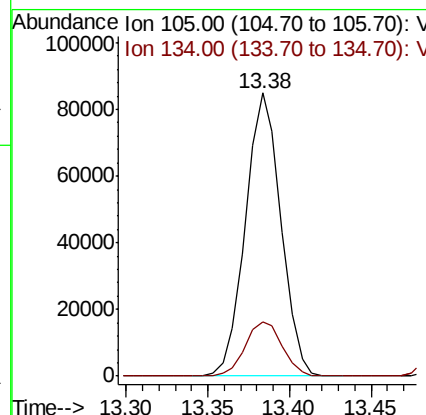
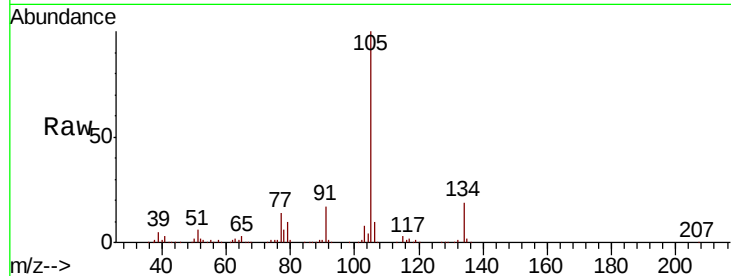




#85
 sec-Butylbenzene
 Concen: 9.695 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012125.D
 Acq: 23 Aug 2019 10:11

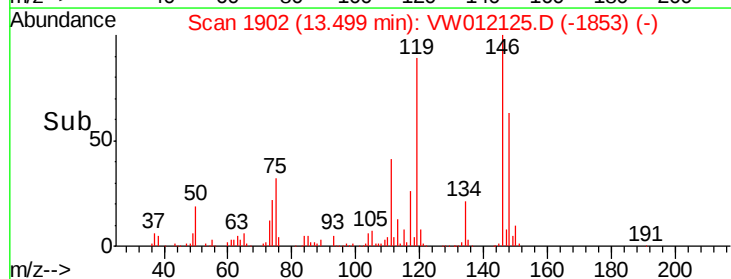
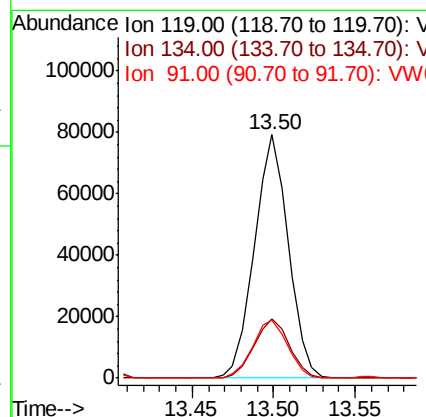
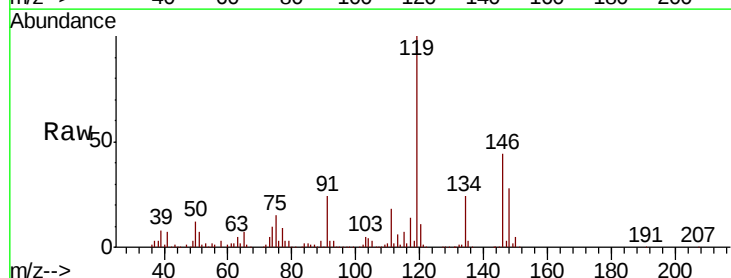
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion:105 Resp: 128795
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 9.687 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012125.D
 Acq: 23 Aug 2019 10:11

Tgt Ion:119 Resp: 114927
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.8 38.3
 91 24.4 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 10.028 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

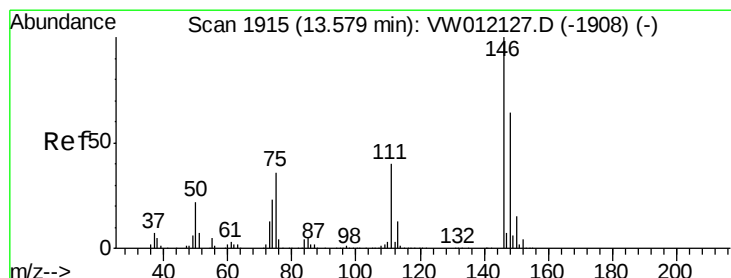
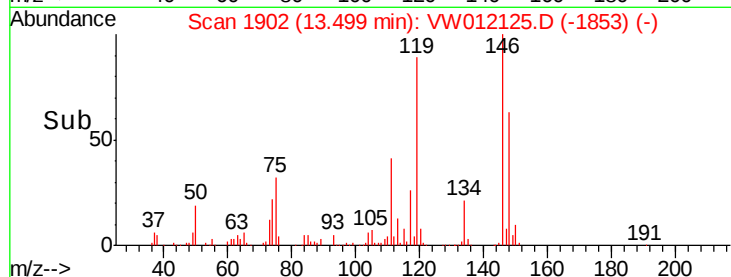
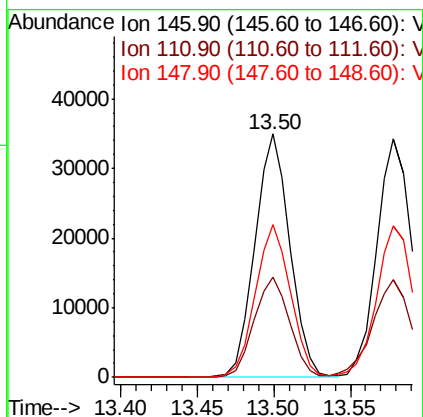
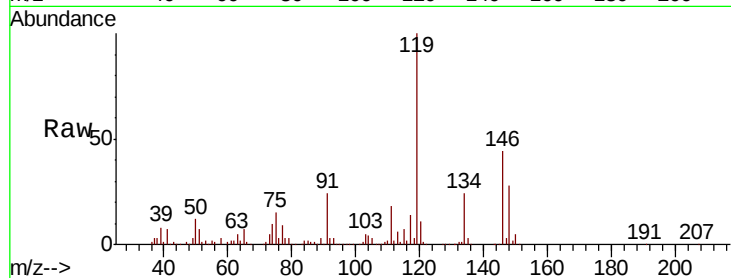
Tgt Ion:146 Resp: 55589

Ion Ratio Lower Upper

146 100

111 42.0 20.9 62.7

148 62.9 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 9.926 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

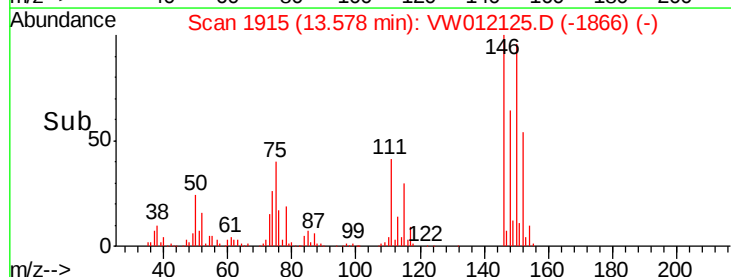
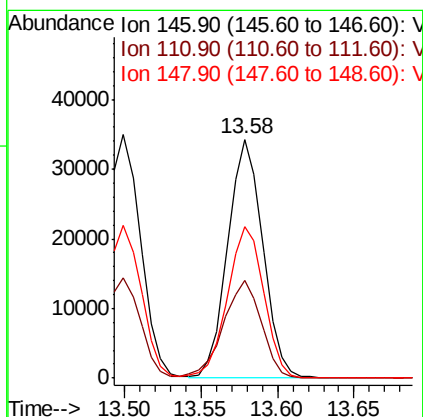
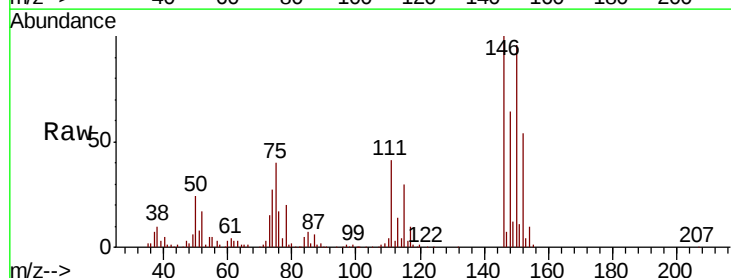
Tgt Ion:146 Resp: 54636

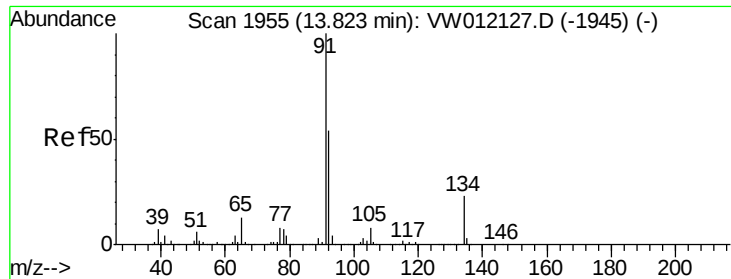
Ion Ratio Lower Upper

146 100

111 44.1 20.0 60.0

148 65.9 32.1 96.3





#89

n-Butylbenzene

Concen: 9.523 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012125.D

Acq: 23 Aug 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

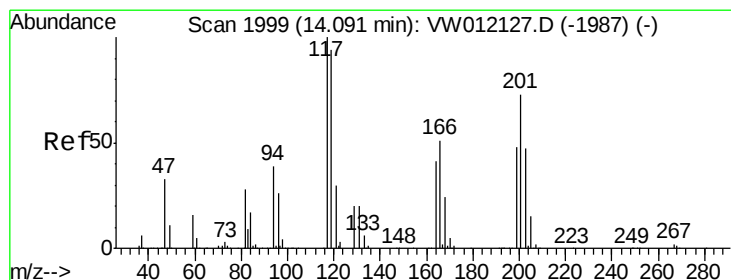
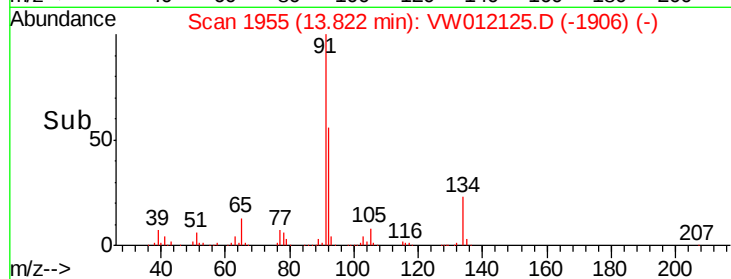
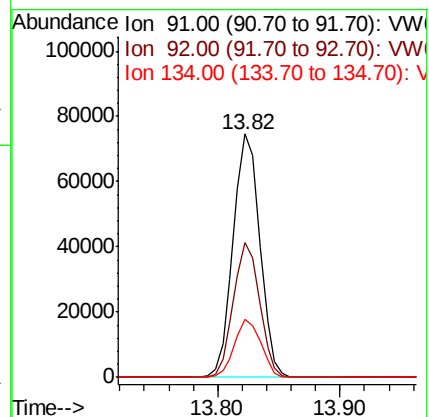
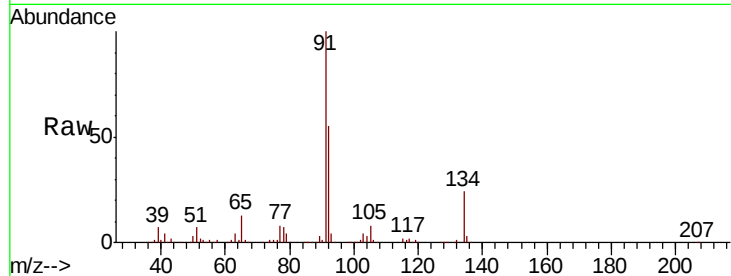
Tgt Ion: 91 Resp: 112361

Ion Ratio Lower Upper

91 100

92 54.6 27.1 81.2

134 23.8 12.2 36.4



#90

Hexachloroethane

Concen: 9.263 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW012125.D

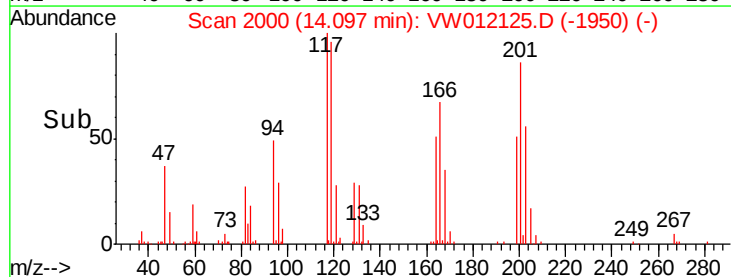
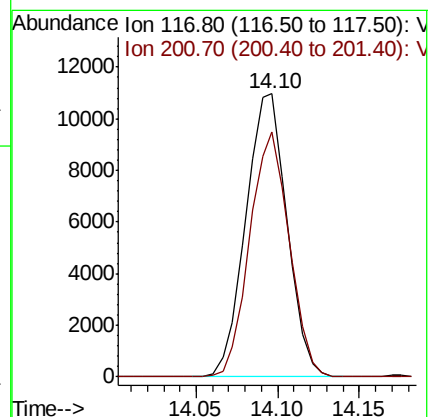
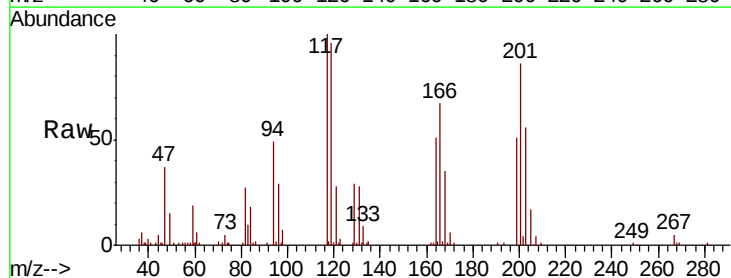
Acq: 23 Aug 2019 10:11

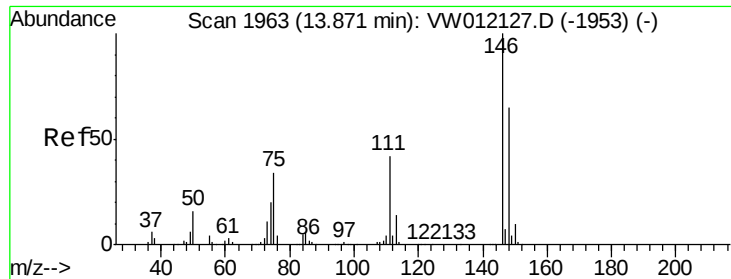
Tgt Ion: 117 Resp: 19281

Ion Ratio Lower Upper

117 100

201 82.7 38.6 115.7

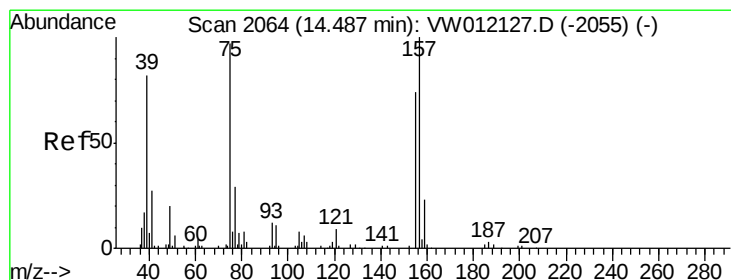
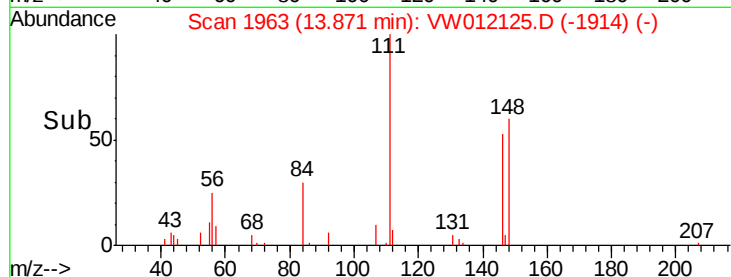
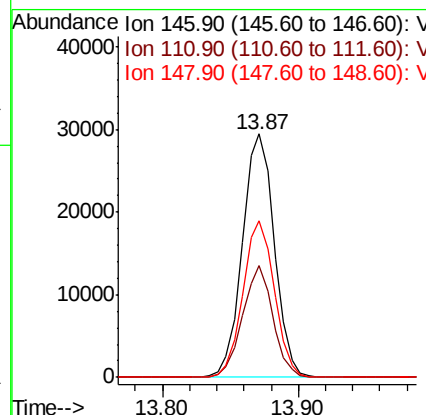
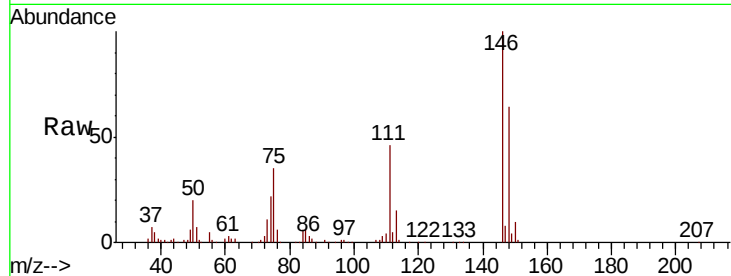




#91
 1,2-Dichlorobenzene
 Concen: 9.929 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012125.D
 Acq: 23 Aug 2019 10:11

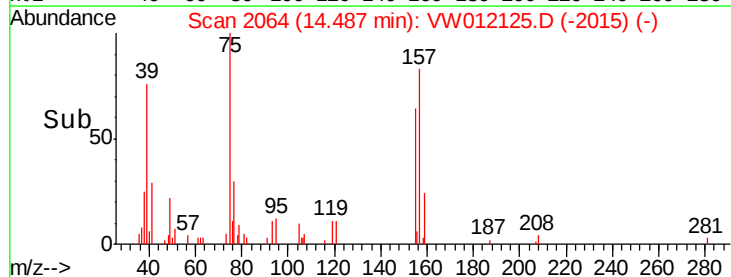
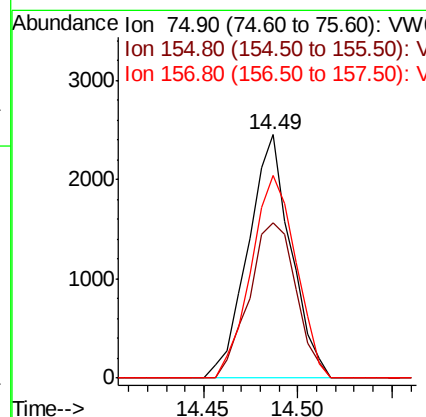
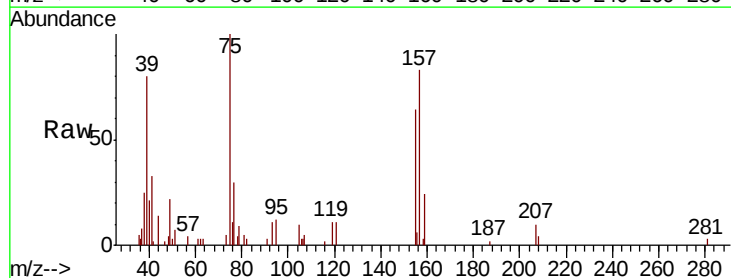
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

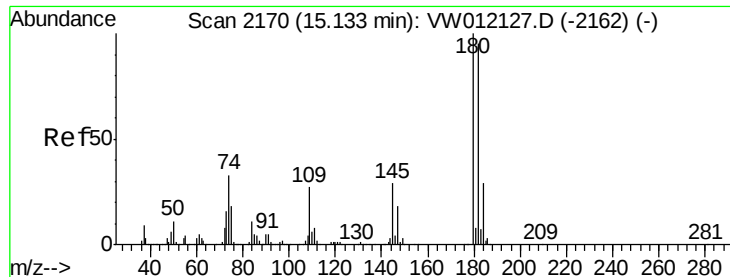
Tgt Ion: 146 Resp: 48287
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.2 63.6
 148 63.4 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.538 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012125.D
 Acq: 23 Aug 2019 10:11

Tgt Ion: 75 Resp: 3862
 Ion Ratio Lower Upper
 75 100
 155 69.7 37.5 112.3
 157 87.5 50.5 151.5

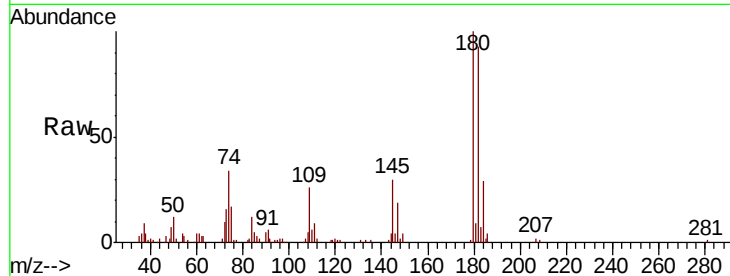




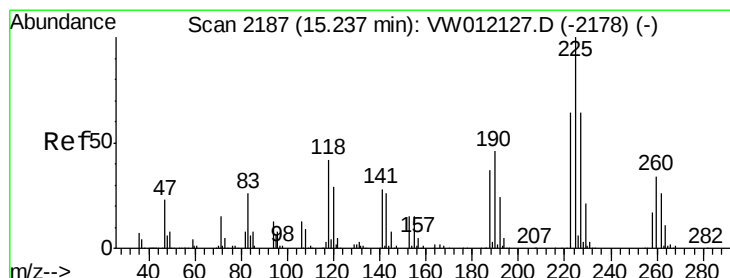
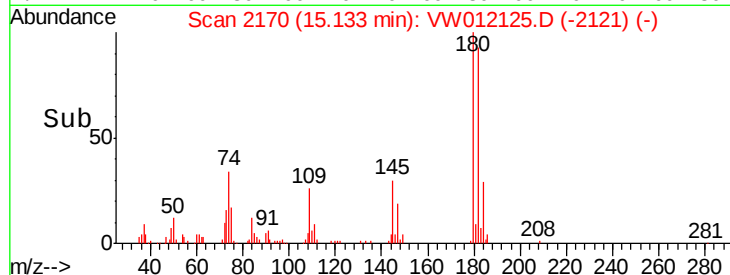
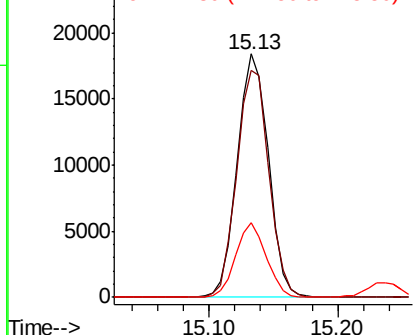
#93
 1,2,4-Trichlorobenzene
 Concen: 9.182 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012125.D
 Acq: 23 Aug 2019 10:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.4
145	30.1	15.0	45.1

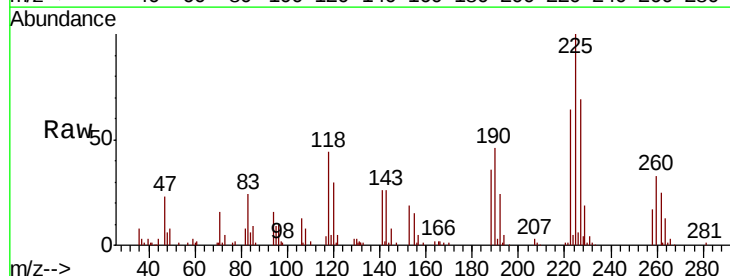


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

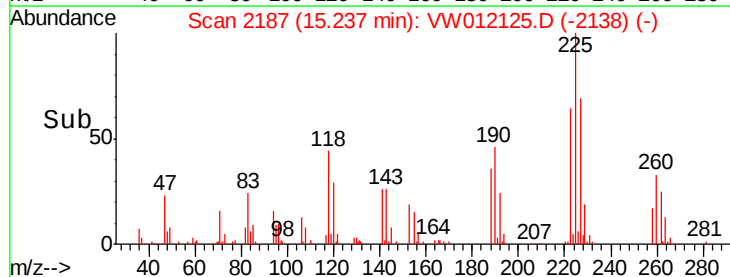
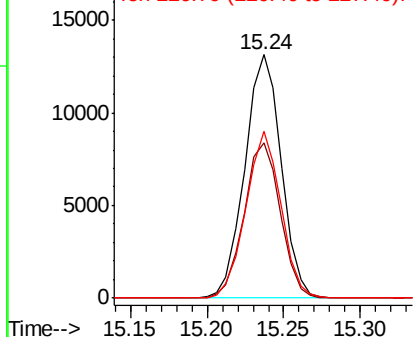


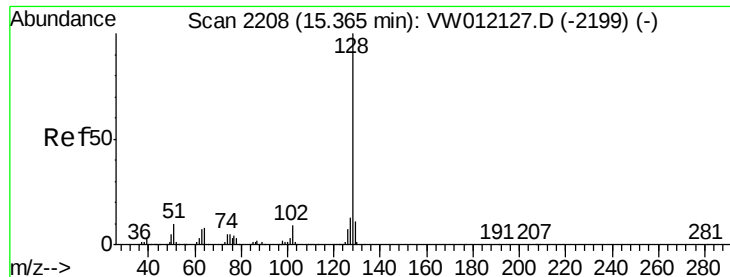
#94
 Hexachlorobutadiene
 Concen: 9.783 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012125.D
 Acq: 23 Aug 2019 10:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	32.3	96.8
227	66.0	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

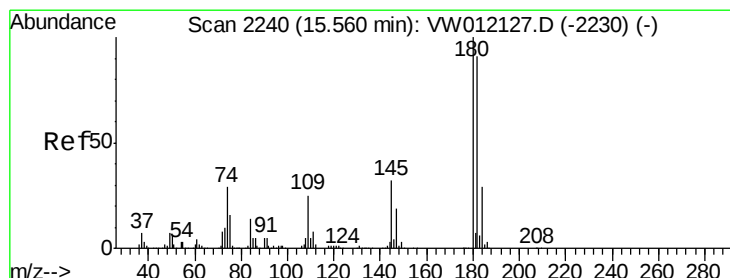
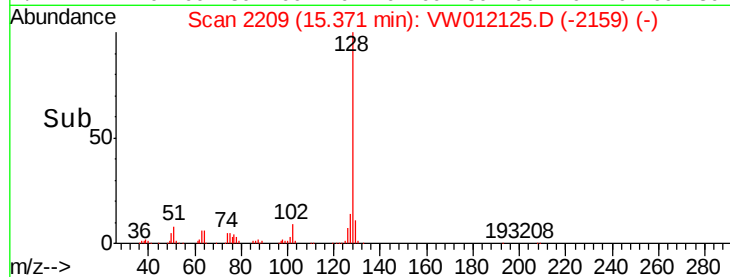
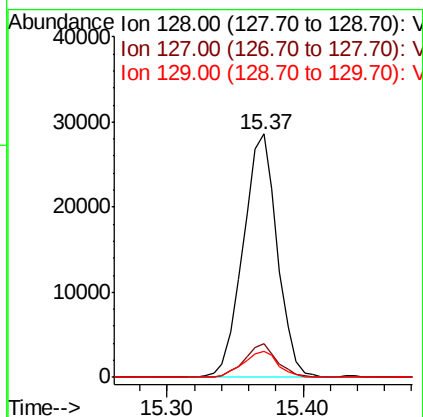
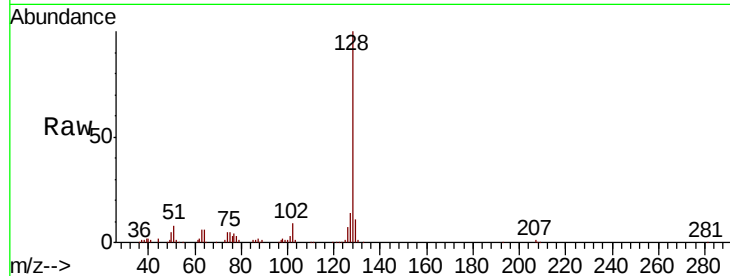




#95
Naphthalene
Concen: 8.519 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 50132
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 9.290 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012125.D
Acq: 23 Aug 2019 10:11

Tgt Ion:180 Resp: 27239
Ion Ratio Lower Upper
180 100
182 93.6 47.1 141.3
145 33.6 16.2 48.5

