

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012129.D
 Acq On : 23 Aug 2019 11:55
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Quant Time: Aug 26 07:09:27 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	243448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	391717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157830	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	436333	150.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.54%	
35) Dibromofluoromethane	7.88	113	351691	150.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.82%	
50) Toluene-d8	10.32	98	1441897	152.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.18%	
62) 4-Bromofluorobenzene	12.62	95	498123	149.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	263028	175.469	ug/l	96
3) Chloromethane	2.21	50	370550	159.556	ug/l	99
4) Vinyl Chloride	2.36	62	446630	157.126	ug/l	100
5) Bromomethane	2.76	94	219860	152.727	ug/l	98
6) Chloroethane	2.91	64	257606	160.651	ug/l	97
7) Trichlorofluoromethane	3.25	101	260203	182.304	ug/l	99
8) Diethyl Ether	3.68	74	219671	162.145	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	377005	155.394	ug/l	99
10) Methyl Iodide	4.27	142	531116	161.797	ug/l	100
11) Tert butyl alcohol	5.17	59	148355	841.526	ug/l	99
12) 1,1-Dichloroethene	4.04	96	392249	160.633	ug/l	97
13) Acrolein	3.89	56	120690	736.184	ug/l	98
14) Allyl chloride	4.67	41	855818	163.937	ug/l	99
15) Acrylonitrile	5.36	53	553344	824.026	ug/l	99
16) Acetone	4.12	43	615009	831.354	ug/l	100
17) Carbon Disulfide	4.38	76	1246152	168.858	ug/l	100
18) Methyl Acetate	4.67	43	297679	162.464	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	617421	156.351	ug/l	99
20) Methylene Chloride	4.92	84	406533	145.366	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	417762	159.538	ug/l	100
22) Diisopropyl ether	6.31	45	1513558	156.415	ug/l	95
23) Vinyl Acetate	6.25	43	5005218	840.494	ug/l	100
24) 1,1-Dichloroethane	6.21	63	834916	158.467	ug/l	99
25) 2-Butanone	7.17	43	855633	851.157	ug/l	100
26) 2,2-Dichloropropane	7.17	77	453645	152.120	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	448114	160.172	ug/l	99
28) Bromochloromethane	7.51	49	334498	145.664	ug/l #	99
29) Tetrahydrofuran	7.52	42	517212	857.571	ug/l	99
30) Chloroform	7.68	83	736655	152.823	ug/l	98
31) Cyclohexane	7.95	56	782342	150.084	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	601778	157.812	ug/l	100
36) 1,1-Dichloropropene	8.08	75	636229	157.173	ug/l	100
37) Ethyl Acetate	7.25	43	358772	161.739	ug/l	99
38) Carbon Tetrachloride	8.07	117	562175	160.457	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	738168	162.322	ug/l	98
40) Benzene	8.32	78	1715272	155.183	ug/l	99
41) Methacrylonitrile	7.48	41	219976	168.729	ug/l	98
42) 1,2-Dichloroethane	8.40	62	540423	156.004	ug/l	100
43) Isopropyl Acetate	8.42	43	690962	168.165	ug/l	99
44) Trichloroethene	9.09	130	423599	157.648	ug/l	99
45) 1,2-Dichloropropane	9.37	63	466597	156.853	ug/l	100
46) Dibromomethane	9.46	93	210808	159.274	ug/l	98
47) Bromodichloromethane	9.65	83	568629	161.426	ug/l	98
48) Methyl methacrylate	9.43	41	339457	173.583	ug/l	98
49) 1,4-Dioxane	9.45	88	70311	3470.078	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1746075	835.492	ug/l	100
52) Toluene	10.39	92	1051344	158.331	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	613600	171.008	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	721453	166.522	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	298492	159.395	ug/l	99
56) Ethyl methacrylate	10.65	69	473709	173.807	ug/l	100
57) 1,3-Dichloropropane	10.93	76	569287	160.869	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1142788	816.990	ug/l	100
59) 2-Hexanone	10.97	43	1257474	850.380	ug/l	99
60) Dibromochloromethane	11.13	129	349696	167.654	ug/l	100
61) 1,2-Dibromoethane	11.24	107	283559	162.534	ug/l	99
64) Tetrachloroethene	10.86	164	342569	155.470	ug/l	99
65) Chlorobenzene	11.66	112	1043962	155.996	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	371742	159.228	ug/l	98
67) Ethyl Benzene	11.73	91	2053590	159.299	ug/l	99
68) m/p-Xylenes	11.84	106	1471891	316.969	ug/l	98
69) o-Xylene	12.16	106	690211	160.595	ug/l	99
70) Styrene	12.18	104	1198186	161.065	ug/l	100
71) Bromoform	12.35	173	197218	169.549	ug/l #	99
73) Isopropylbenzene	12.46	105	1889155	159.740	ug/l	98
74) N-amyl acetate	12.27	43	626988	175.475	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	347650	160.345	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	477090	313.717	ug/l #	100
77) Bromobenzene	12.75	156	408691	159.737	ug/l	100
78) n-propylbenzene	12.80	91	2308524	159.896	ug/l	99
79) 2-Chlorotoluene	12.89	91	1300480	158.655	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1576853	159.566	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	126924	181.040	ug/l	96
82) 4-Chlorotoluene	12.99	91	1340009	156.128	ug/l	99
83) tert-Butylbenzene	13.21	119	1335217	159.505	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1560184	157.168	ug/l	100
85) sec-Butylbenzene	13.38	105	1884977	157.174	ug/l	100
86) p-Isopropyltoluene	13.50	119	1690912	157.876	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	776853	155.235	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	768328	154.625	ug/l	99
89) n-Butylbenzene	13.82	91	1712618	160.797	ug/l	100
90) Hexachloroethane	14.09	117	309053	164.468	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	677700	154.369	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	61495	168.243	ug/l	98

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QLast Update : Mon Aug 26 07:02:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	515292	169.847	ug/l	99
94) Hexachlorobutadiene	15.24	225	319463	159.472	ug/l	97
95) Naphthalene	15.36	128	990431	186.433	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	446662	168.745	ug/l	98

(#) = 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: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

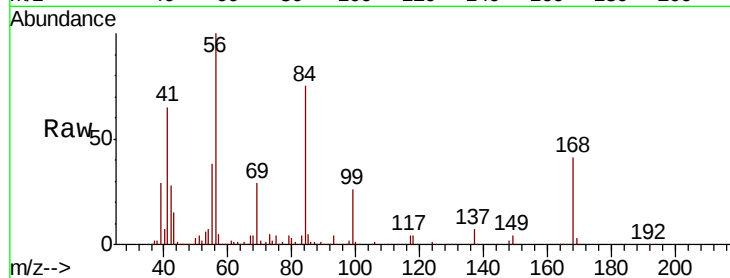
VSTDIC150

Tgt Ion:168 Resp: 243448

Ion Ratio Lower Upper

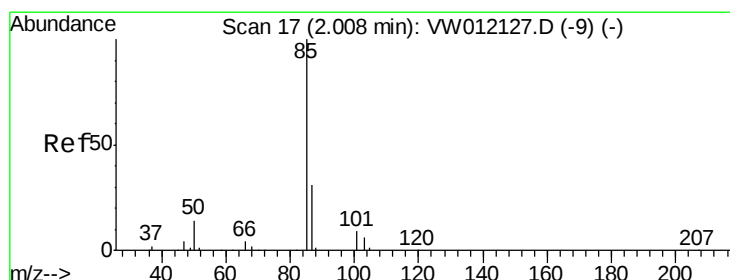
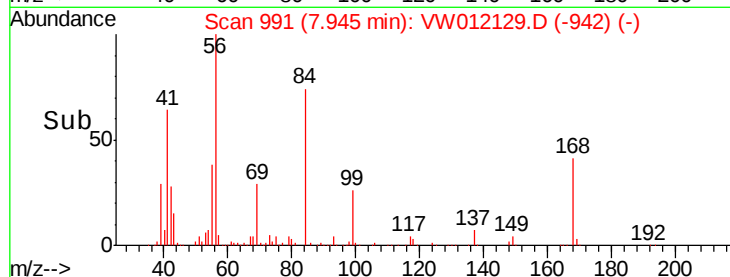
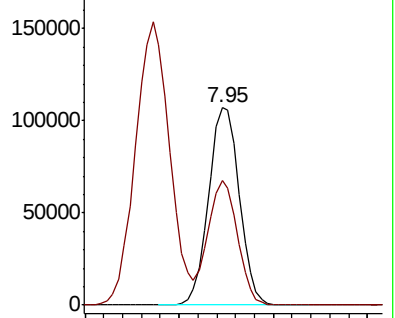
168 100

99 62.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 175.469 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012129.D

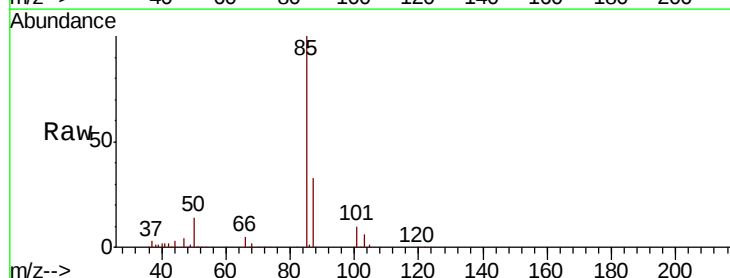
Acq: 23 Aug 2019 11:55

Tgt Ion: 85 Resp: 263028

Ion Ratio Lower Upper

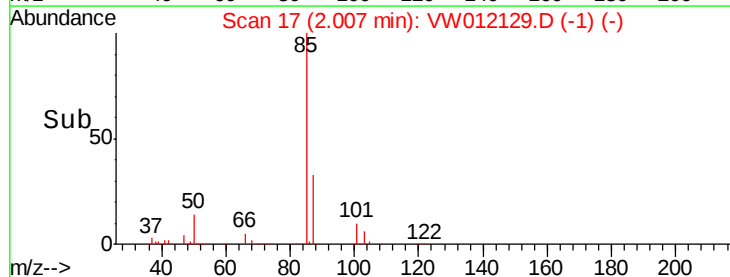
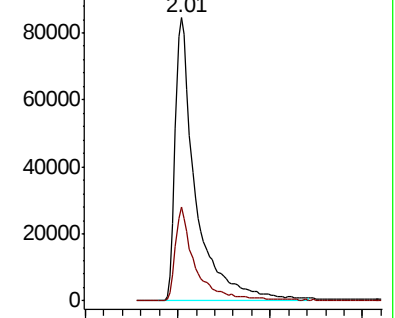
85 100

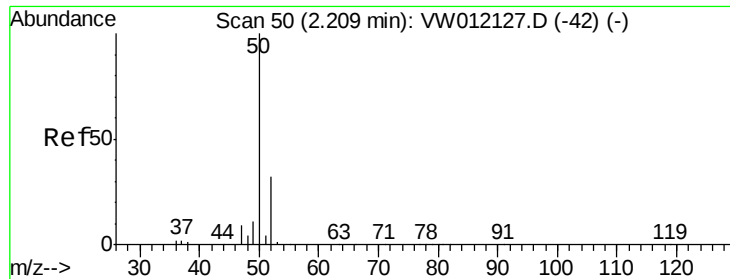
87 33.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 159.556 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

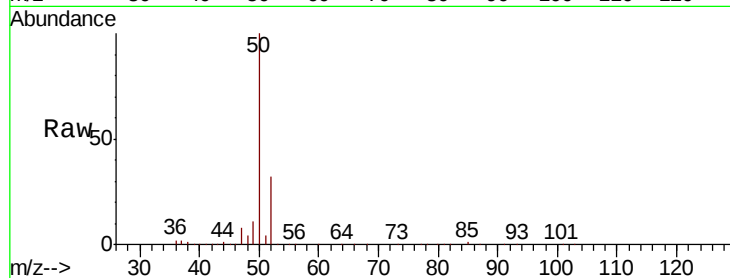
VSTDIC150

Tgt Ion: 50 Resp: 370550

Ion Ratio Lower Upper

50 100

52 32.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

200000

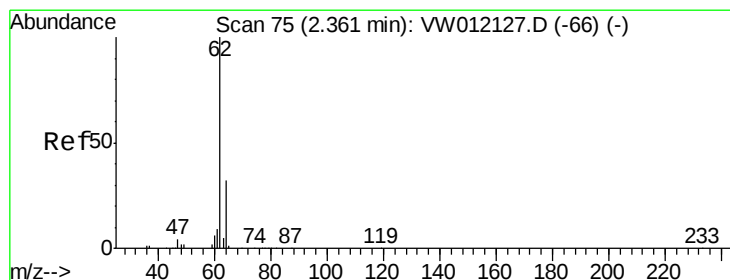
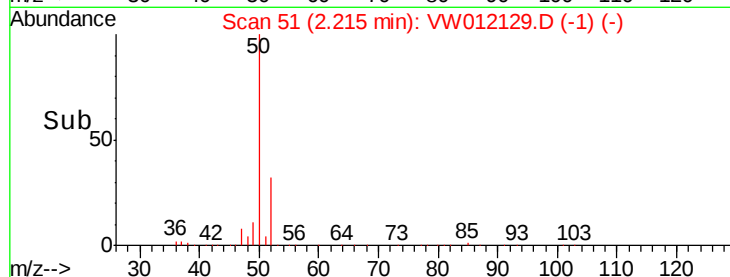
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 157.126 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012129.D

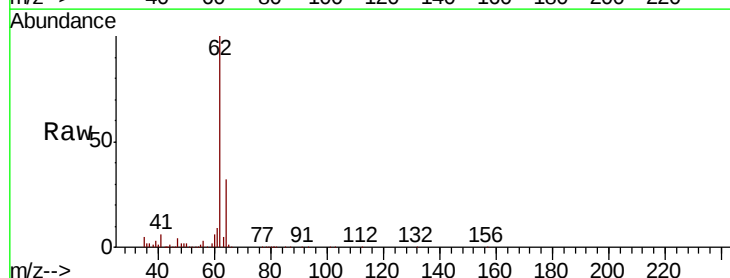
Acq: 23 Aug 2019 11:55

Tgt Ion: 62 Resp: 446630

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

250000

200000

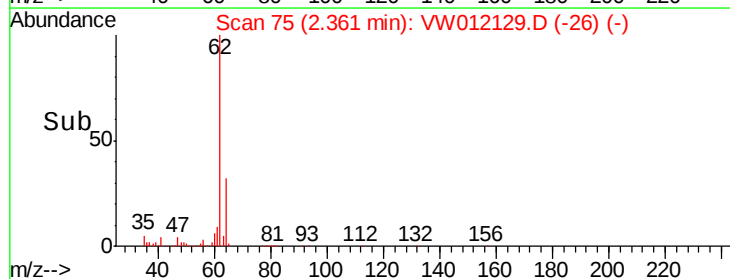
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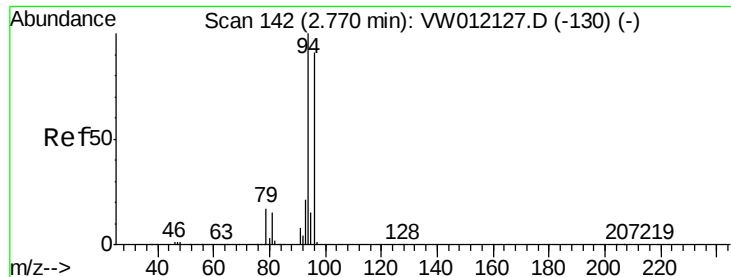
100000

50000

0

Time-->





#5

Bromomethane

Concen: 152.727 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

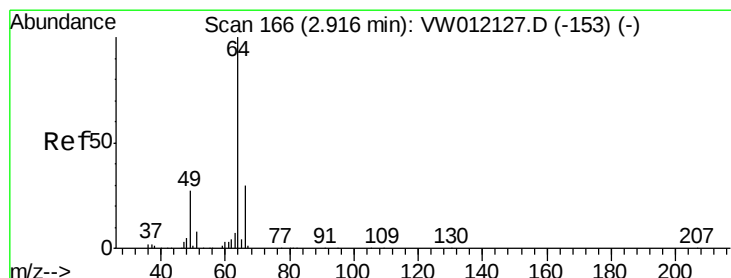
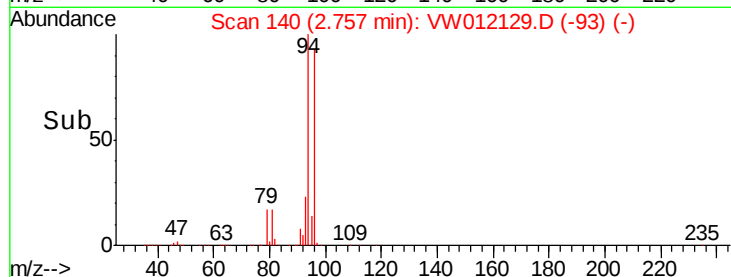
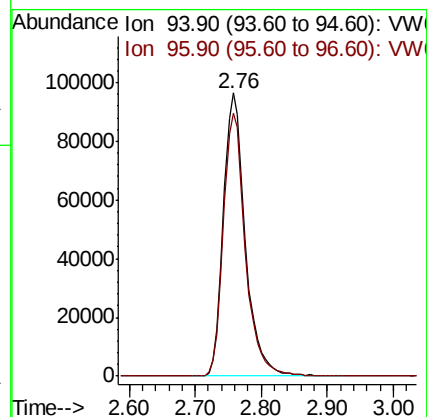
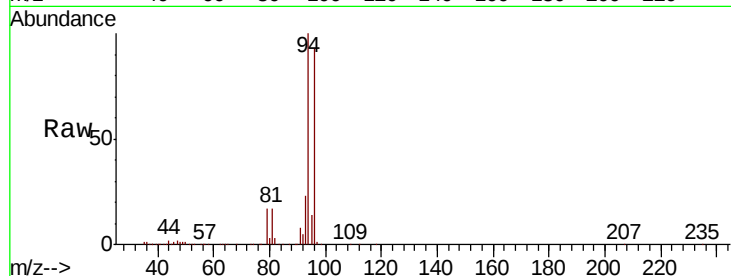
VSTDIC150

Tgt Ion: 94 Resp: 219860

Ion Ratio Lower Upper

94 100

96 92.9 72.9 109.3



#6

Chloroethane

Concen: 160.651 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012129.D

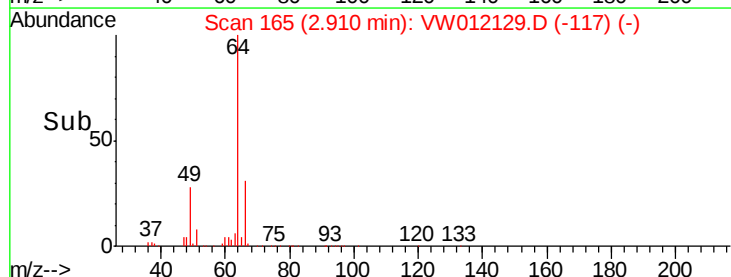
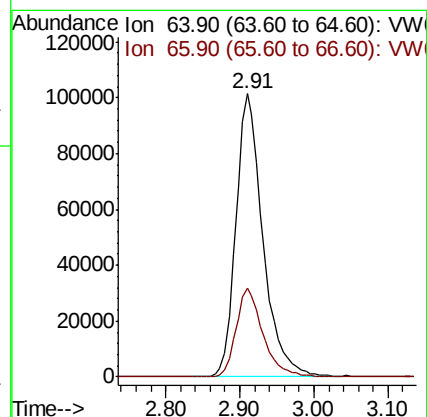
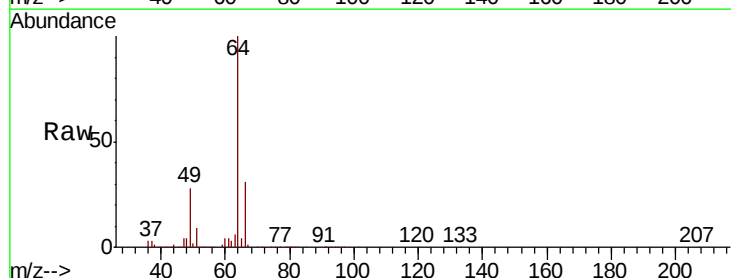
Acq: 23 Aug 2019 11:55

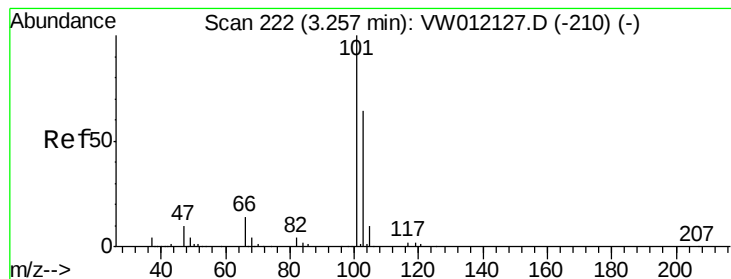
Tgt Ion: 64 Resp: 257606

Ion Ratio Lower Upper

64 100

66 31.3 23.8 35.8



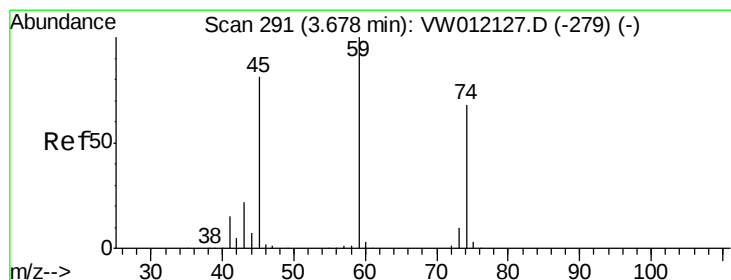
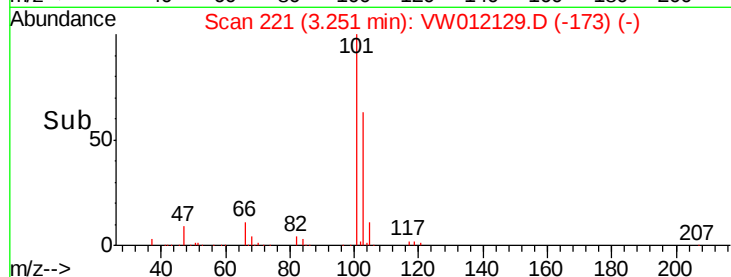
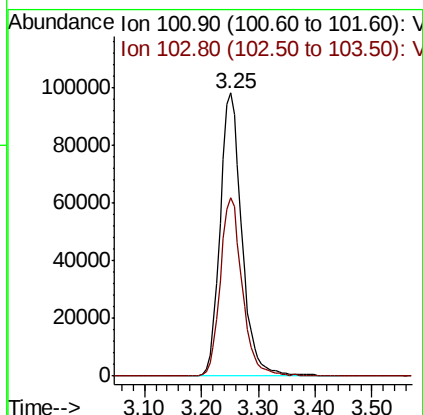
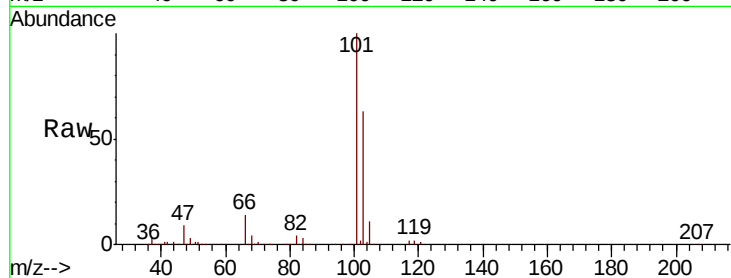


#7

Trichlorofluoromethane
 Concen: 182.304 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

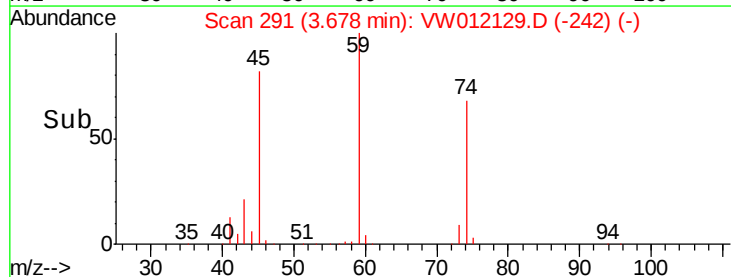
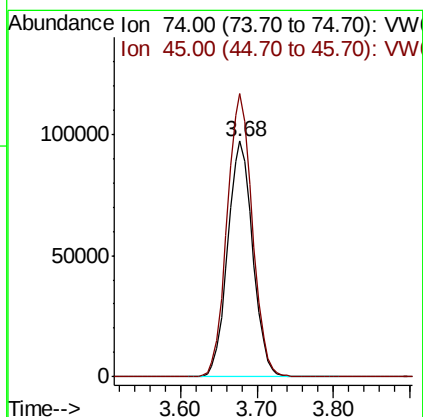
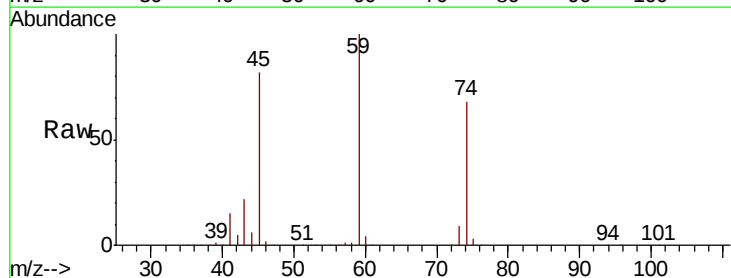
Tgt Ion: 101 Resp: 260203
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.2 76.8

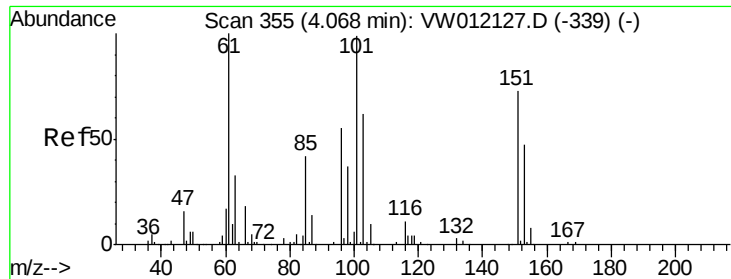


#8

Diethyl Ether
 Concen: 162.145 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion: 74 Resp: 219671
 Ion Ratio Lower Upper
 74 100
 45 120.6 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 155.394 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

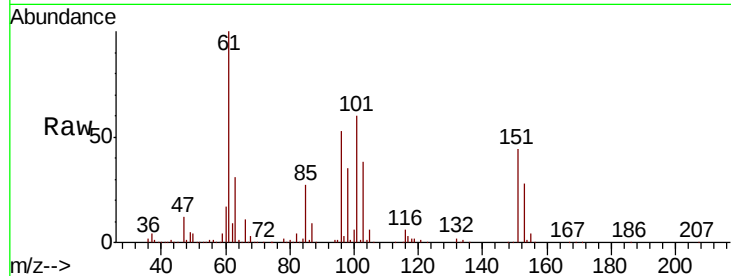
Tgt Ion:101 Resp: 377005

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

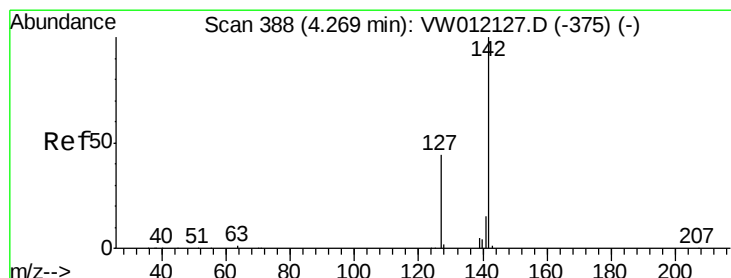
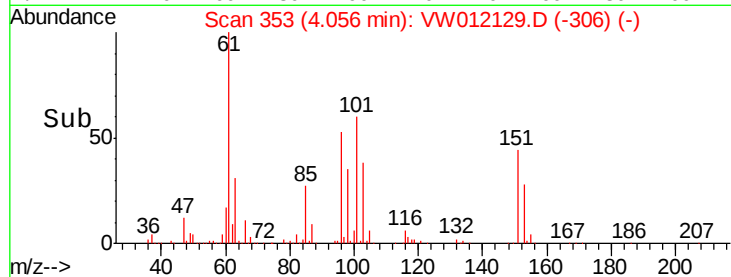
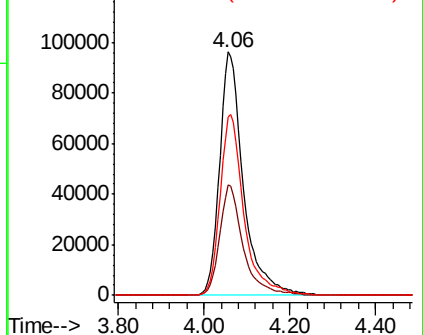
151 74.4 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 161.797 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

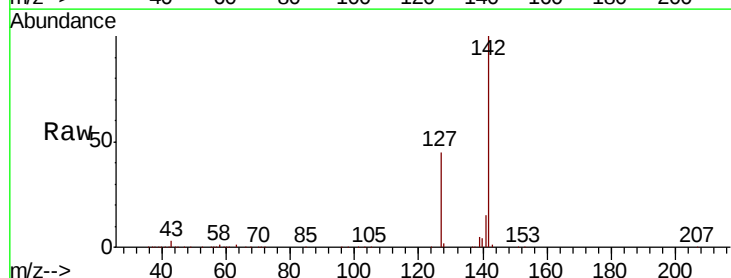
Tgt Ion:142 Resp: 531116

Ion Ratio Lower Upper

142 100

127 44.0 35.5 53.3

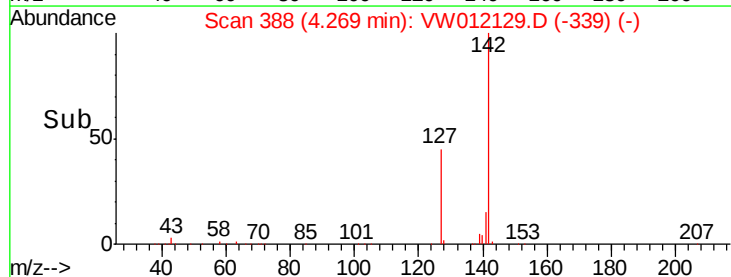
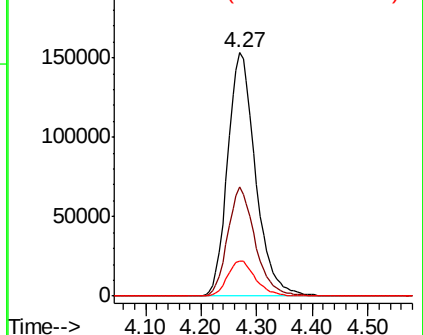
141 14.8 11.8 17.8

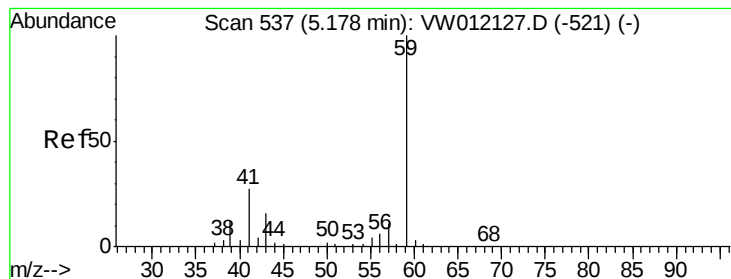


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



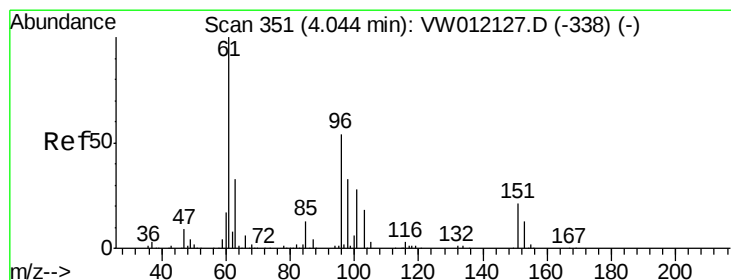
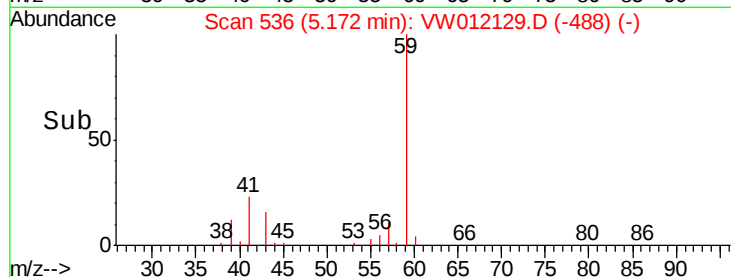
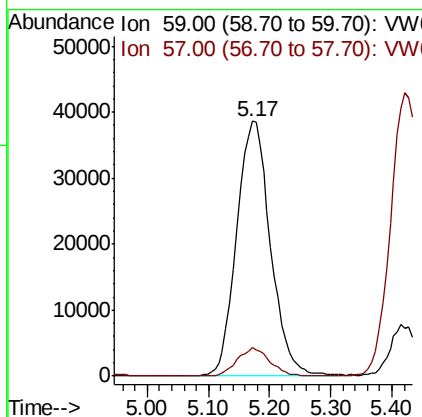
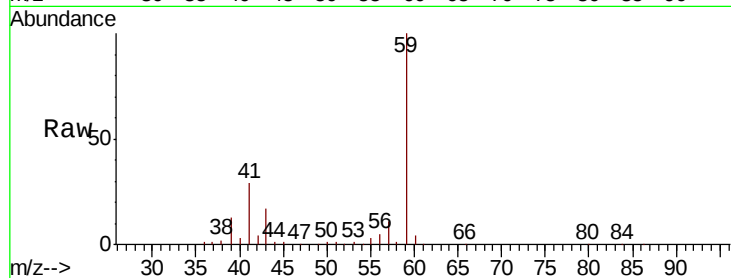


#11

Tert butyl alcohol
 Concen: 841.526 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

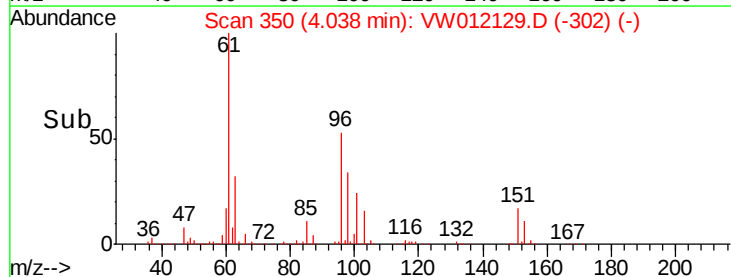
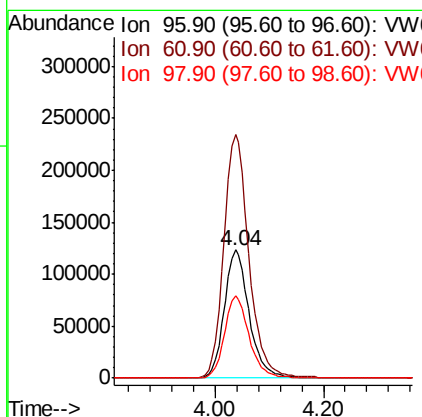
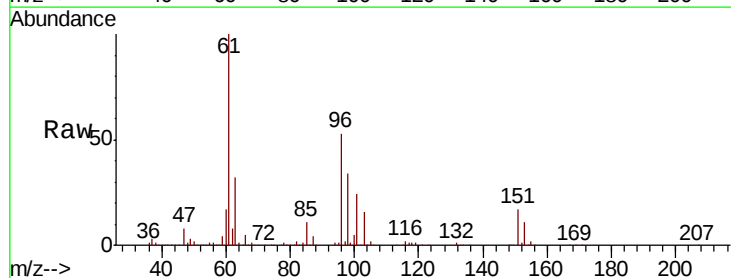
Tgt Ion: 59 Resp: 148355
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.4

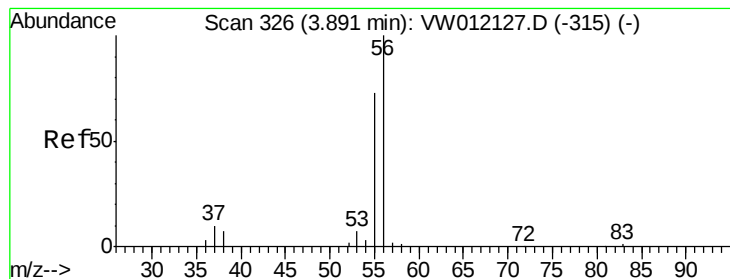


#12

1,1-Dichloroethene
 Concen: 160.633 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion: 96 Resp: 392249
 Ion Ratio Lower Upper
 96 100
 61 190.2 149.1 223.7
 98 63.9 49.4 74.2





#13

Acrolein

Concen: 736.184 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

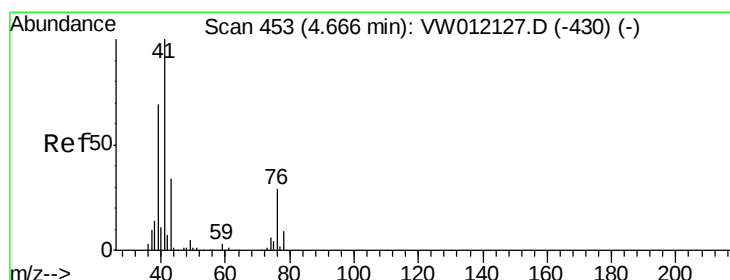
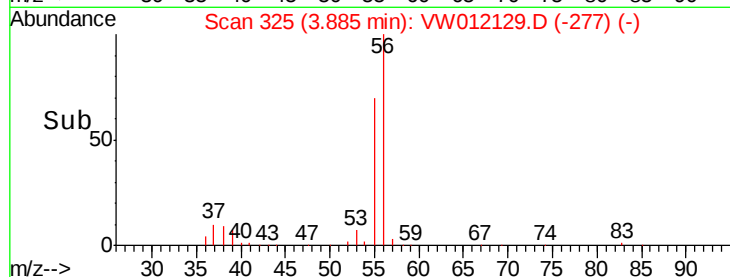
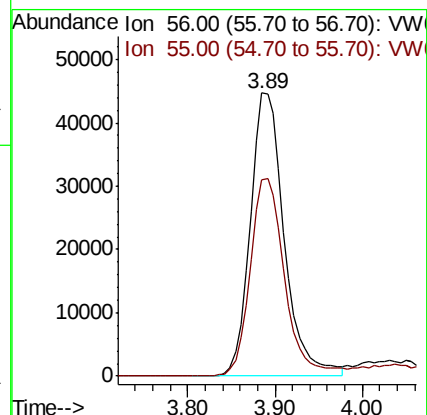
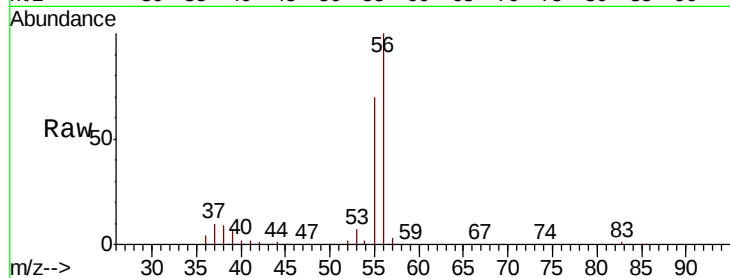
VSTDIC150

Tgt Ion: 56 Resp: 120690

Ion Ratio Lower Upper

56 100

55 71.5 55.8 83.8



#14

Allyl chloride

Concen: 163.937 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

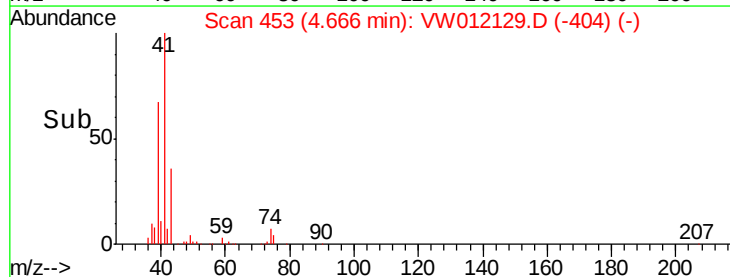
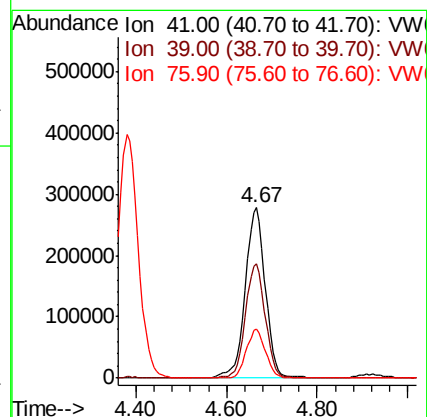
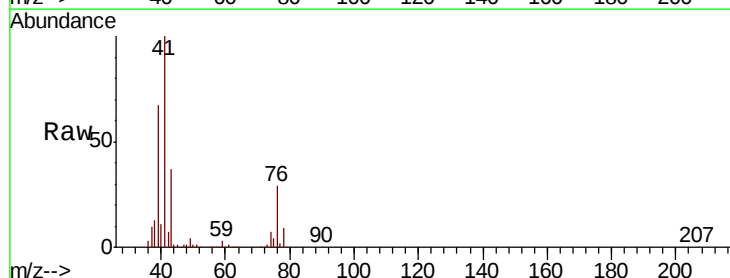
Tgt Ion: 41 Resp: 855818

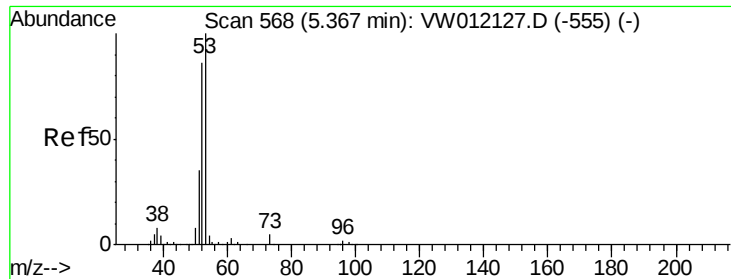
Ion Ratio Lower Upper

41 100

39 65.9 53.4 80.2

76 27.2 22.1 33.1





#15

Acrylonitrile

Concen: 824.026 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

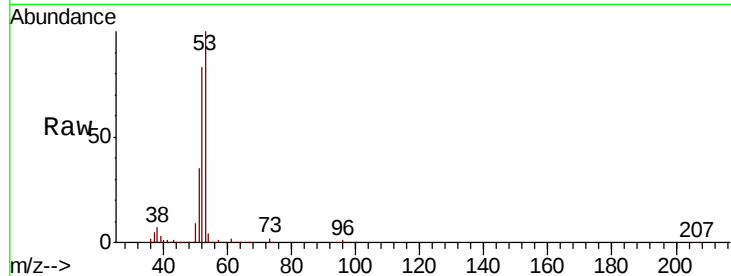
Tgt Ion: 53 Resp: 553344

Ion Ratio Lower Upper

53 100

52 83.5 66.7 100.1

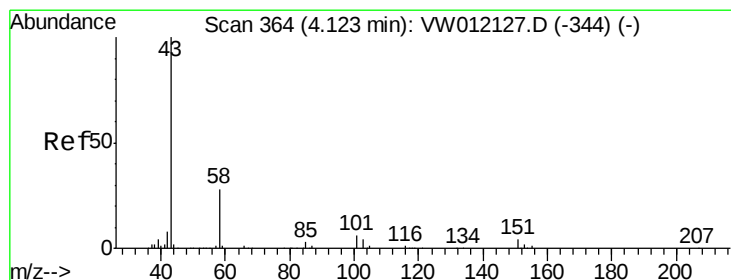
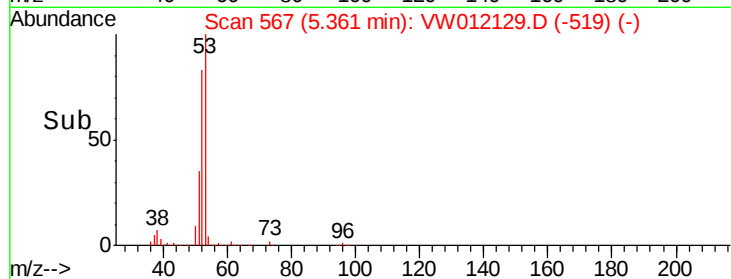
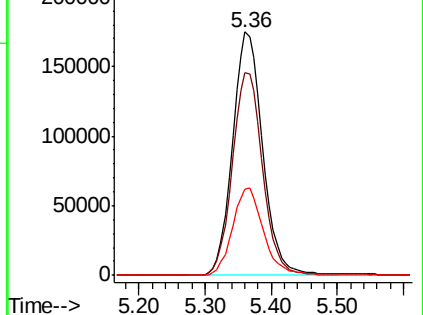
51 36.7 30.1 45.1



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: 831.354 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012129.D

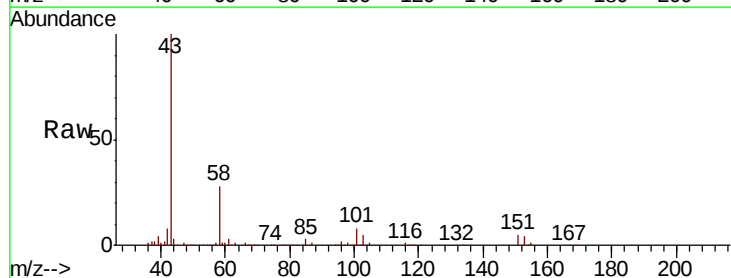
Acq: 23 Aug 2019 11:55

Tgt Ion: 43 Resp: 615009

Ion Ratio Lower Upper

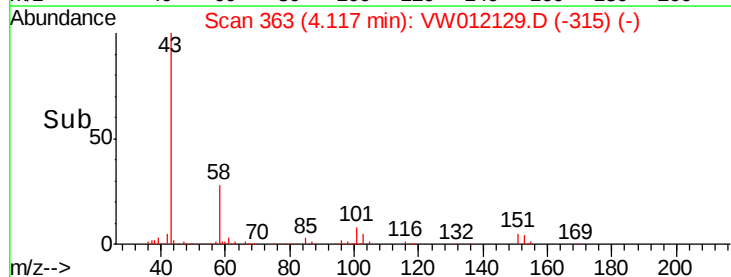
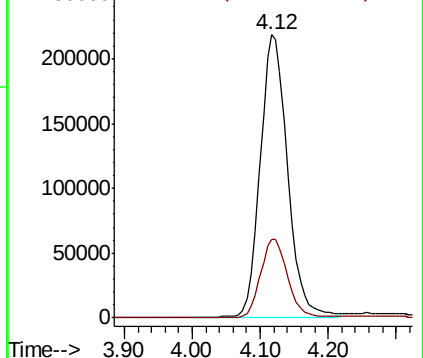
43 100

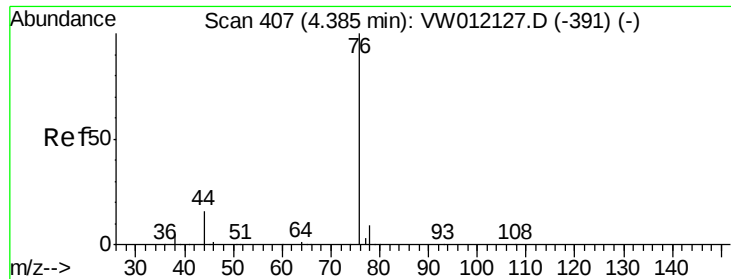
58 27.7 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

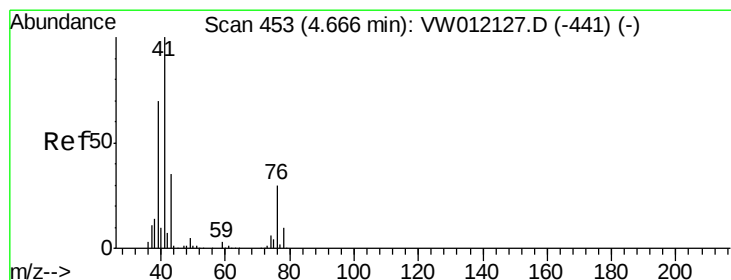
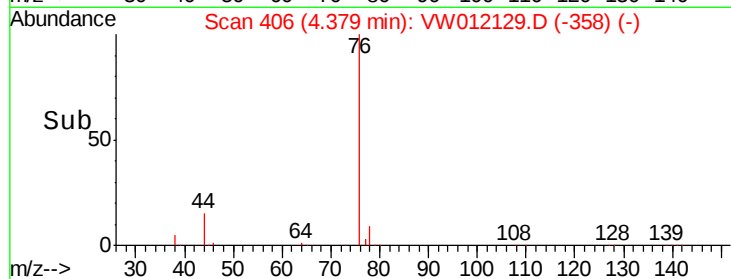
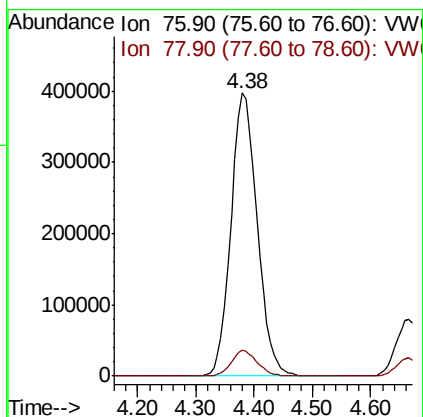
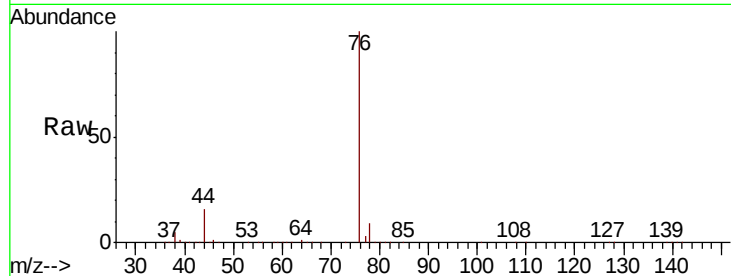




#17
Carbon Disulfide
Concen: 168.858 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

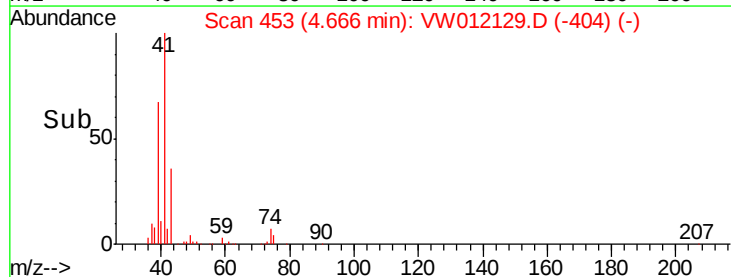
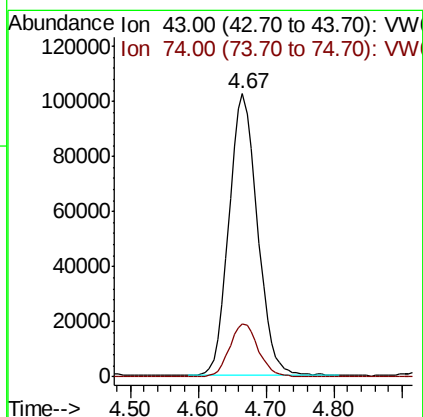
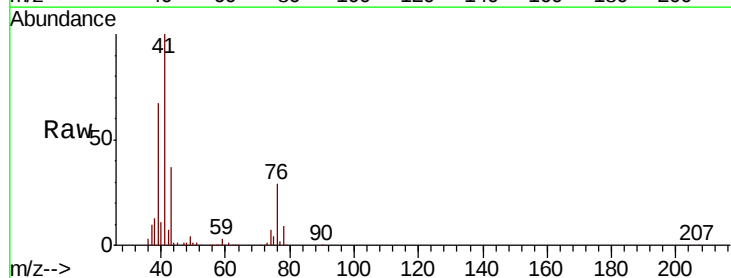
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

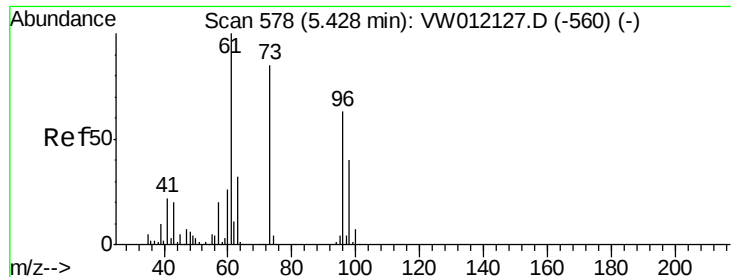
Tgt Ion: 76 Resp: 1246152
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 162.464 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion: 43 Resp: 297679
Ion Ratio Lower Upper
43 100
74 19.0 15.7 23.5



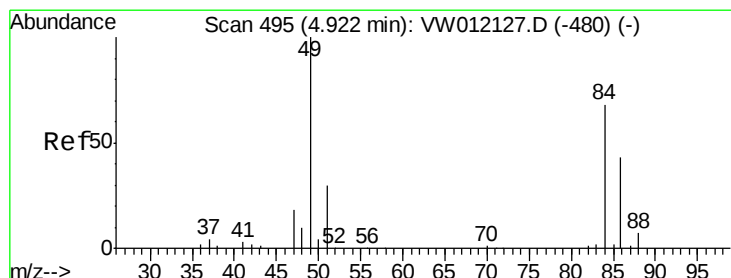
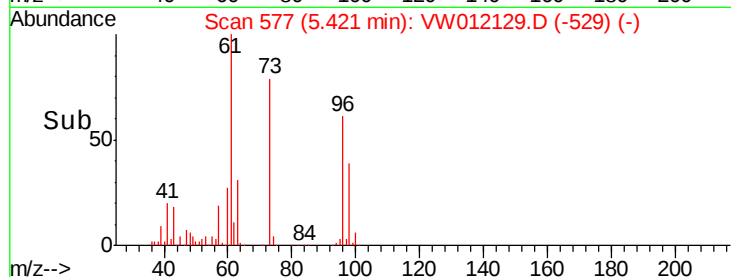
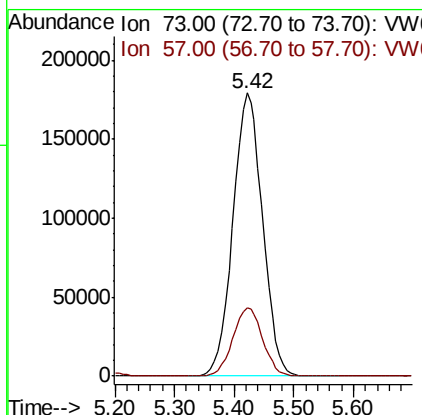
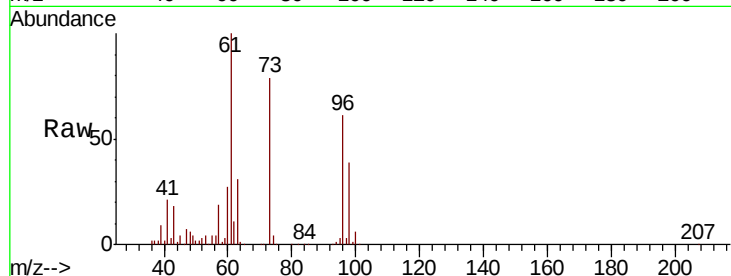


#19

Methyl tert-butyl Ether
Concen: 156.351 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

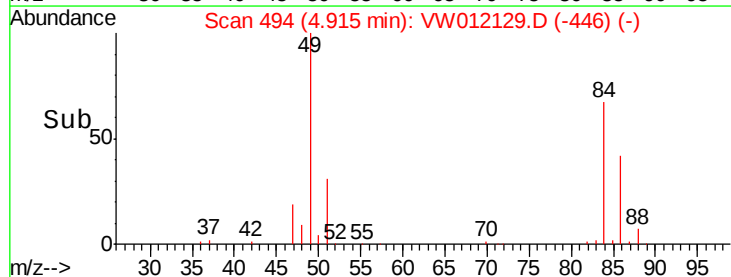
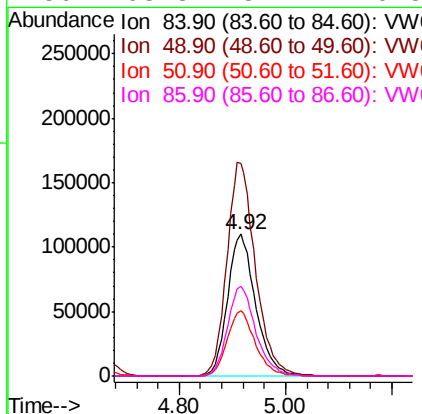
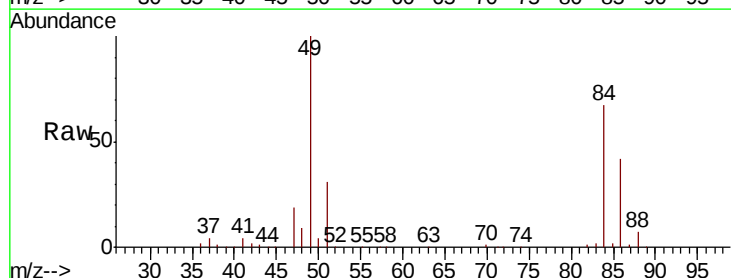
Tgt Ion: 73 Resp: 617421
Ion Ratio Lower Upper
73 100
57 23.9 18.9 28.3

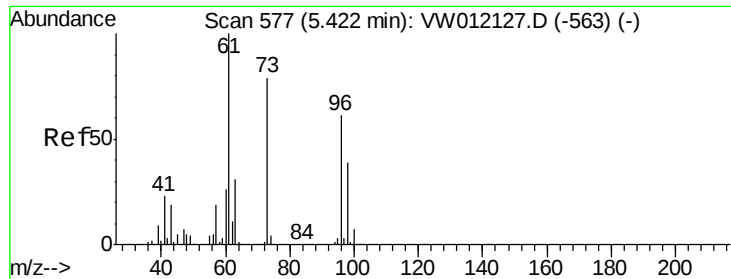


#20

Methylene Chloride
Concen: 145.366 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion: 84 Resp: 406533
Ion Ratio Lower Upper
84 100
49 150.3 117.8 176.8
51 46.0 35.6 53.4
86 63.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 159.538 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

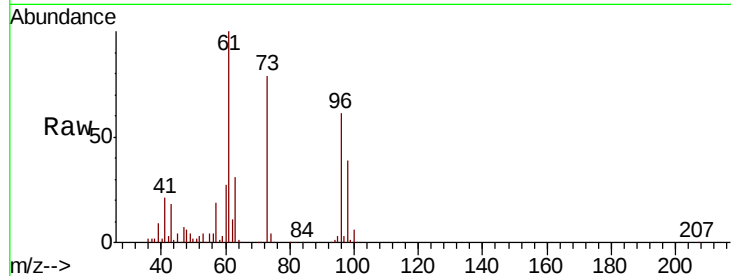
Tgt Ion: 96 Resp: 417762

Ion Ratio Lower Upper

96 100

61 163.9 131.4 197.0

98 64.6 51.4 77.0

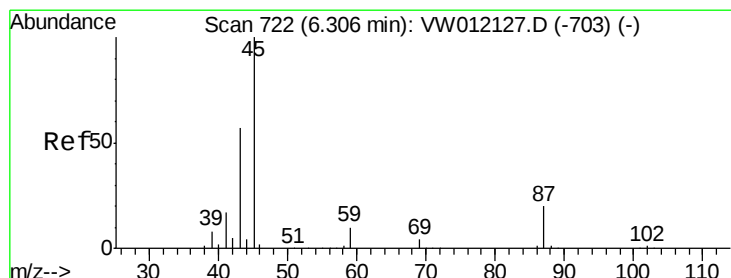
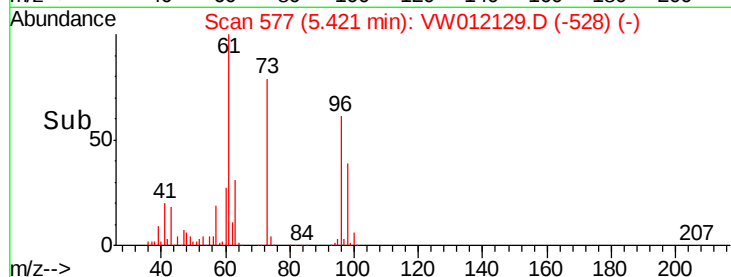
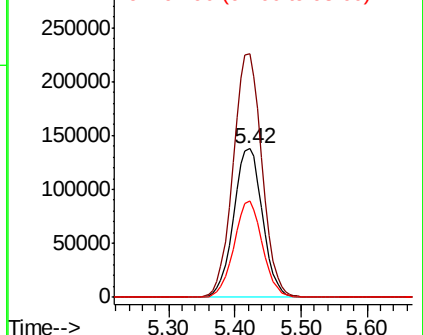


Abundance

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: 156.415 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Tgt Ion: 45 Resp: 1513558

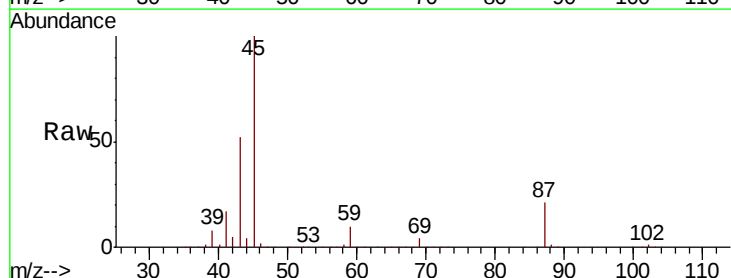
Ion Ratio Lower Upper

45 100

43 51.5 45.5 68.3

87 21.1 16.1 24.1

59 10.0 8.2 12.2



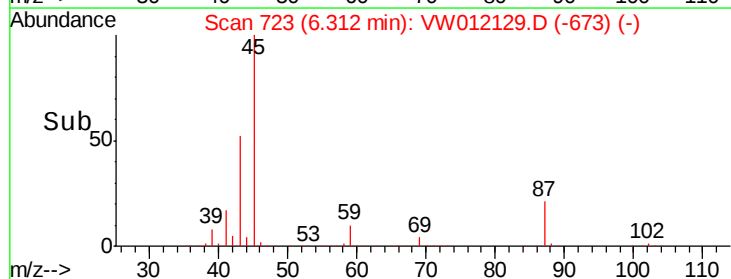
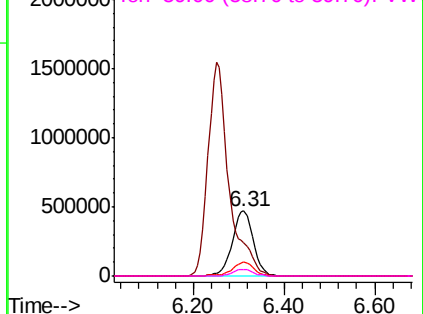
Abundance

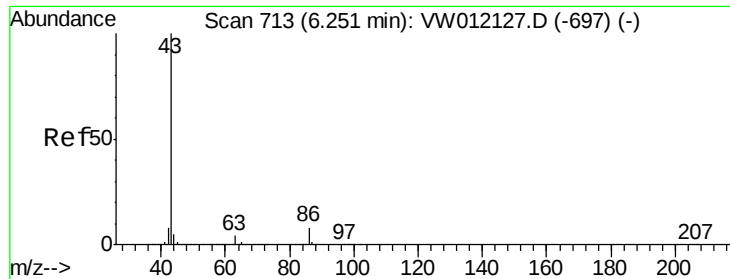
Ion 45.00 (44.70 to 45.70): VW

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: 840.494 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

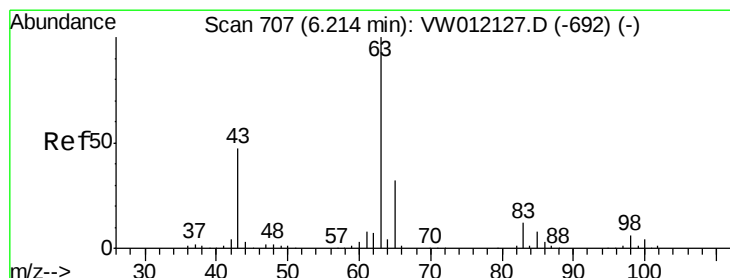
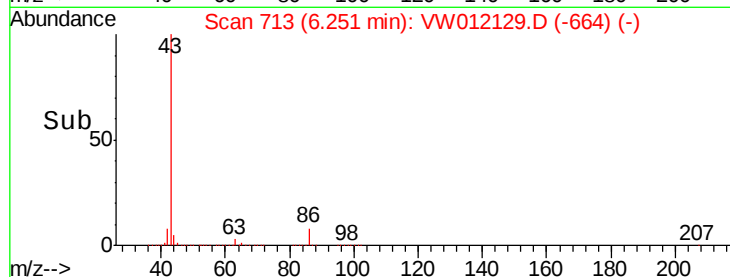
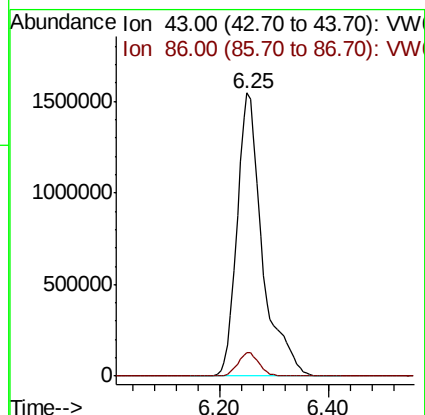
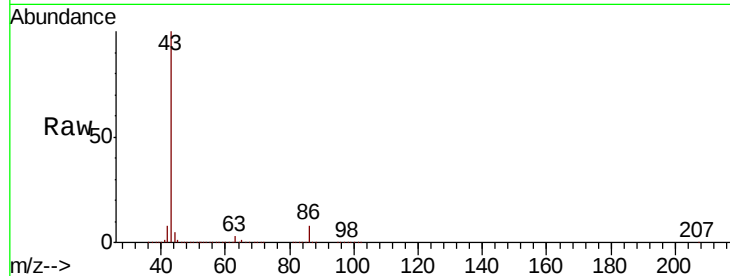
VSTDIC150

Tgt Ion: 43 Resp: 5005218

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7



#24

1,1-Dichloroethane

Concen: 158.467 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

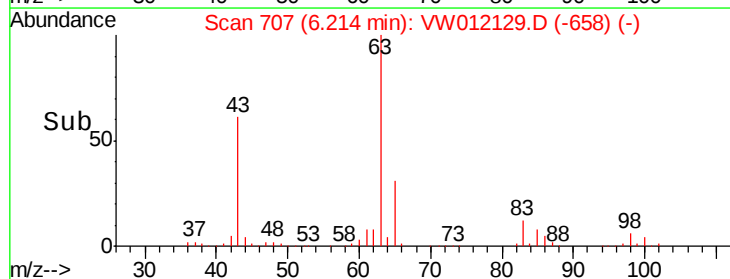
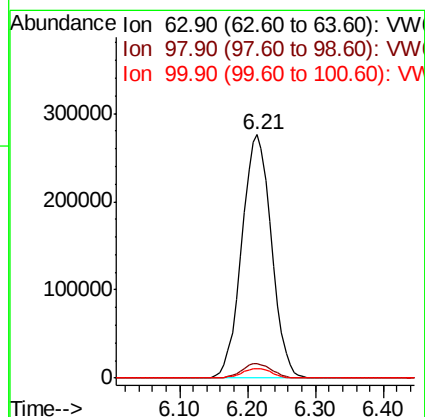
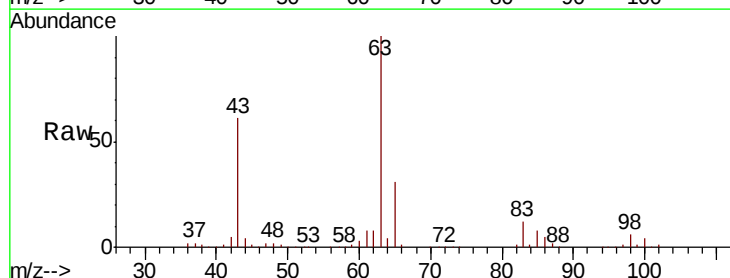
Tgt Ion: 63 Resp: 834916

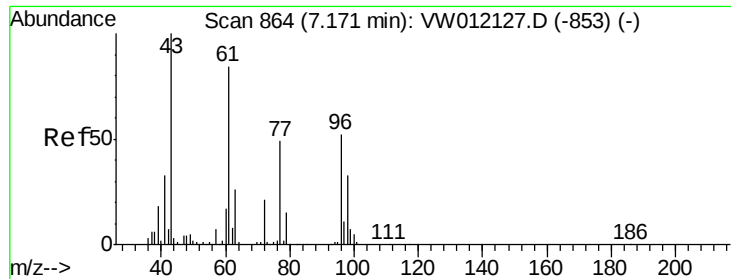
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 851.157 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampled :

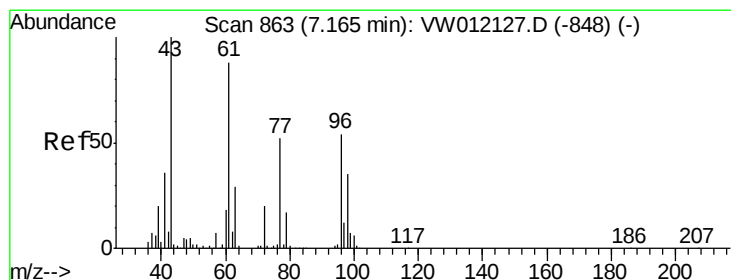
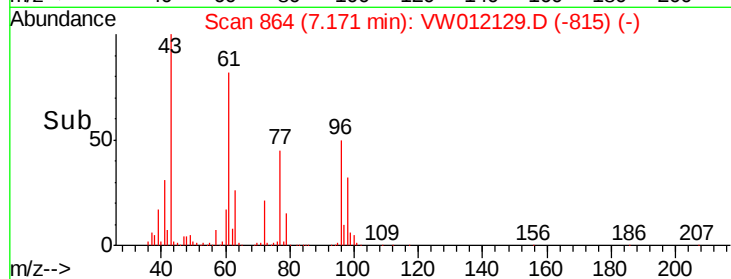
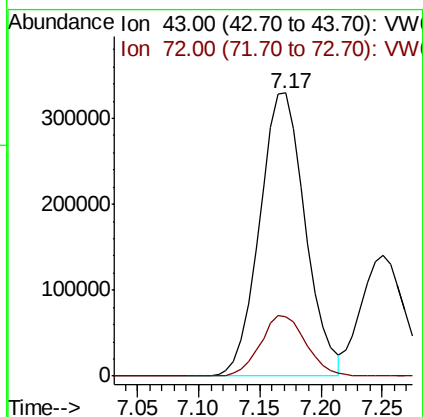
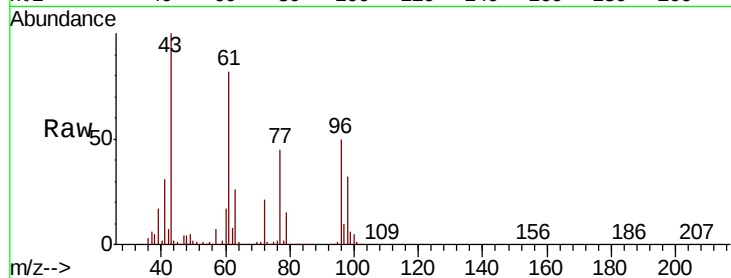
VSTDIC150

Tgt Ion: 43 Resp: 855633

Ion Ratio Lower Upper

43 100

72 20.9 16.6 24.8



#26

2,2-Dichloropropane

Concen: 152.120 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012129.D

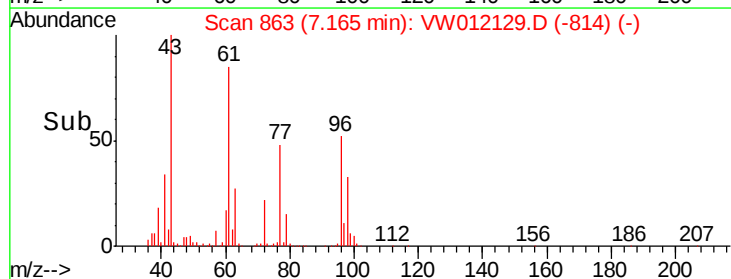
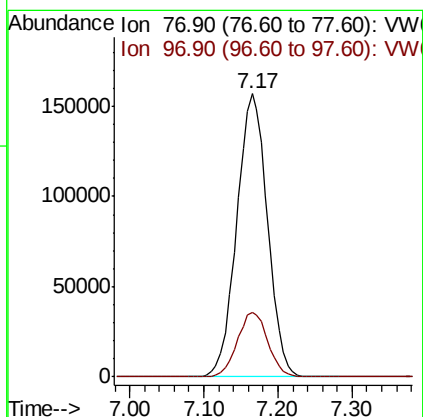
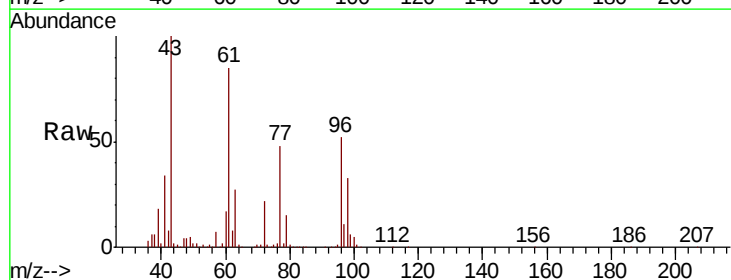
Acq: 23 Aug 2019 11:55

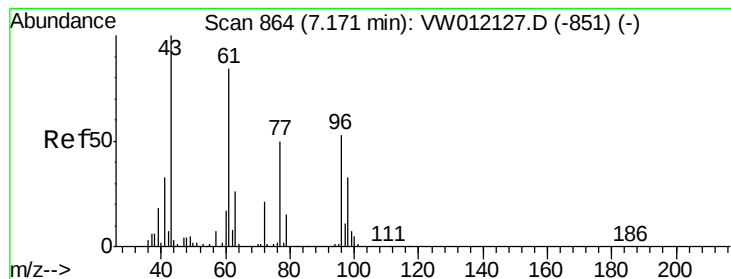
Tgt Ion: 77 Resp: 453645

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.1



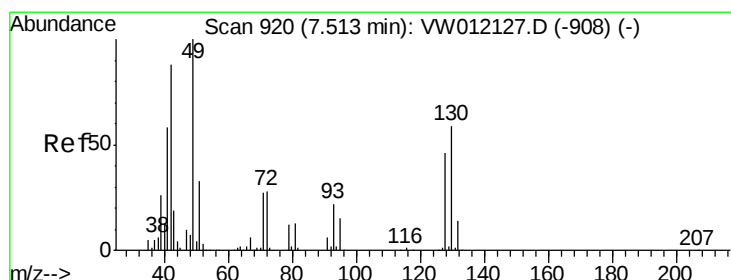
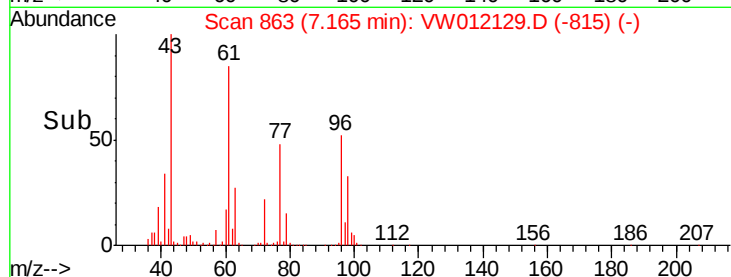
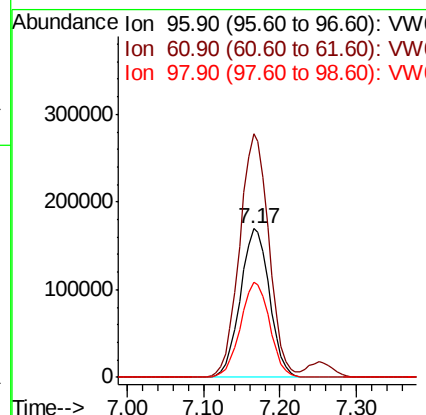
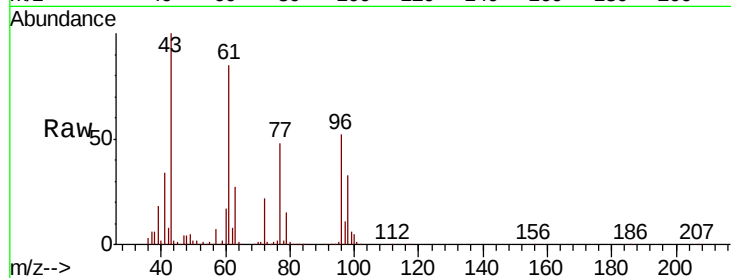


#27

cis-1,2-Dichloroethene
 Concen: 160.172 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

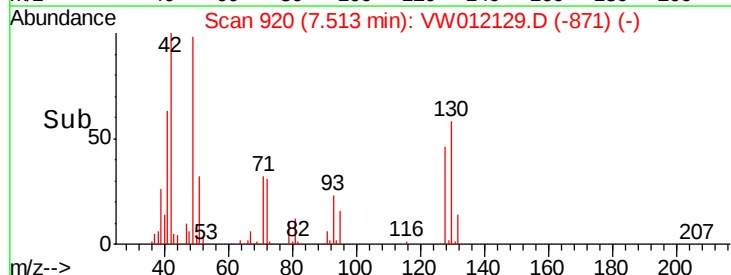
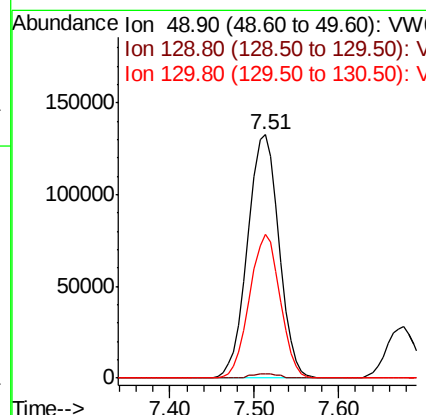
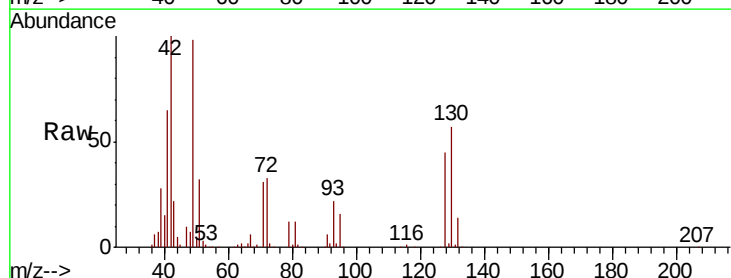
Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.2	0.0	326.6
98	63.8	0.0	127.4

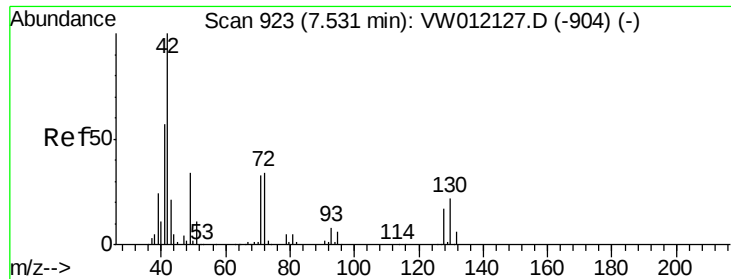


#28

Bromochloromethane
 Concen: 145.664 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	1.4#
130	57.6	45.5	68.3

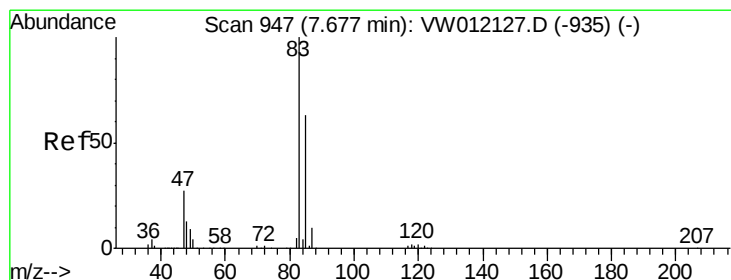
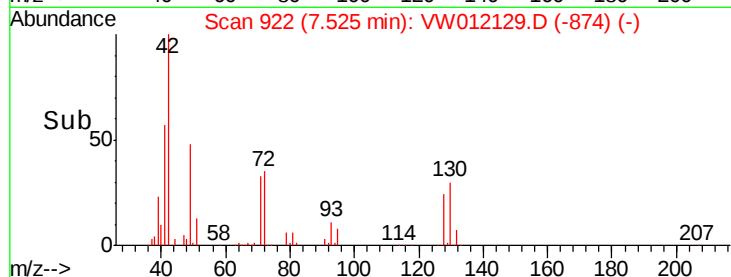
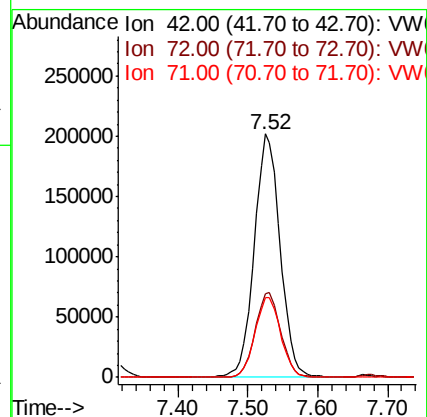
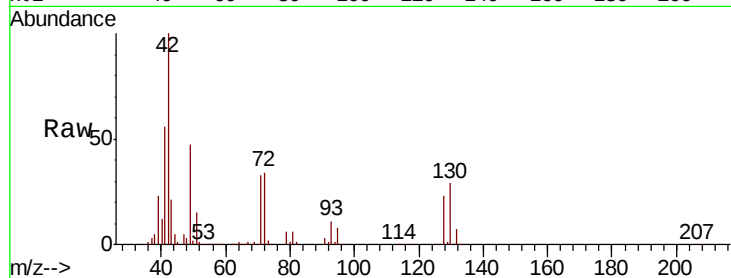




#29
Tetrahydrofuran
Concen: 857.571 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

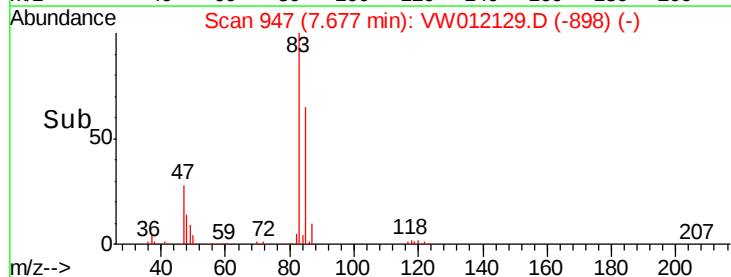
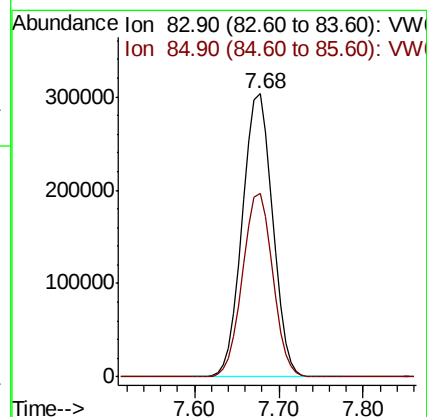
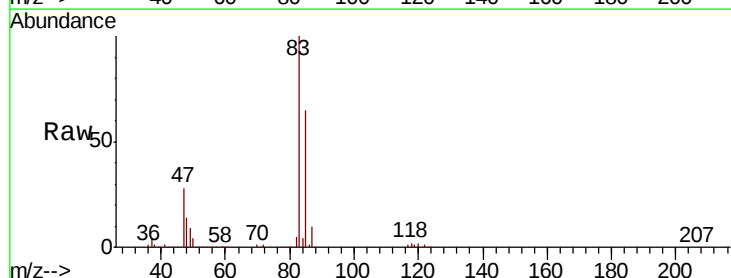
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

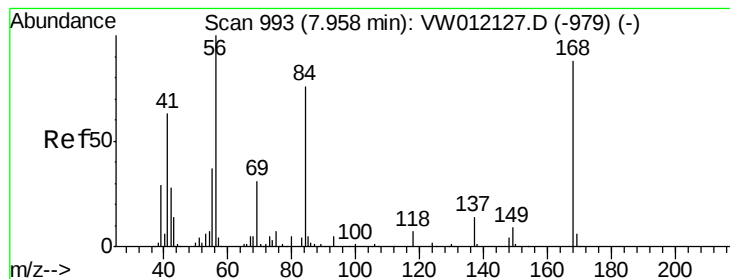
Tgt Ion: 42 Resp: 517212
Ion Ratio Lower Upper
42 100
72 34.4 27.3 40.9
71 32.7 25.5 38.3



#30
Chloroform
Concen: 152.823 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion: 83 Resp: 736655
Ion Ratio Lower Upper
83 100
85 64.8 50.6 76.0





#31

Cyclohexane

Concen: 150.084 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

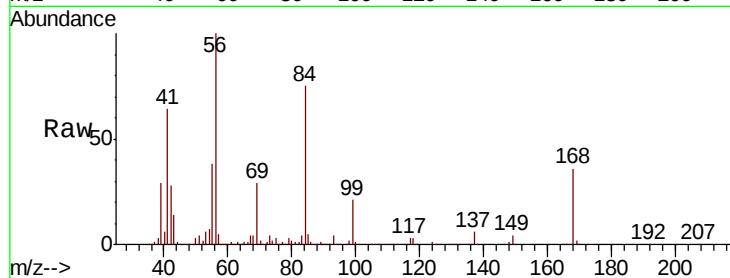
Tgt Ion: 56 Resp: 782342

Ion Ratio Lower Upper

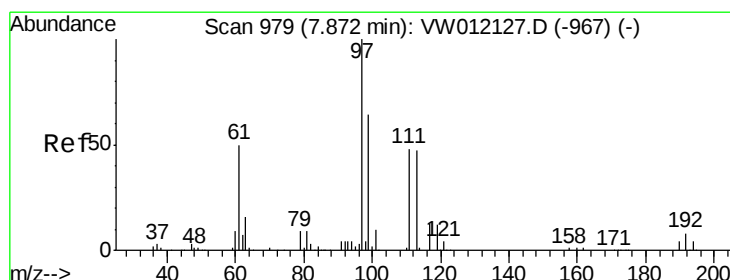
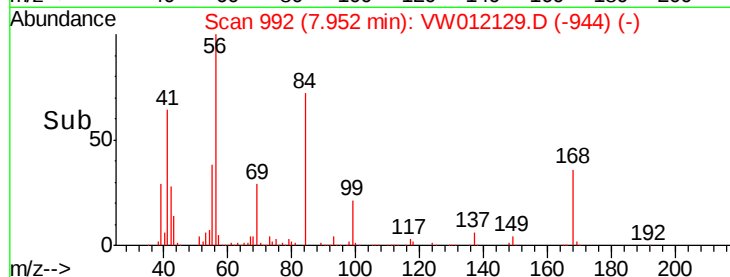
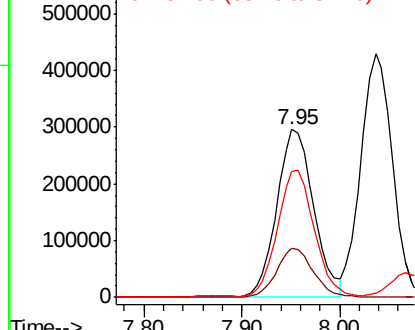
56 100

69 29.1 24.9 37.3

84 74.9 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: 157.812 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

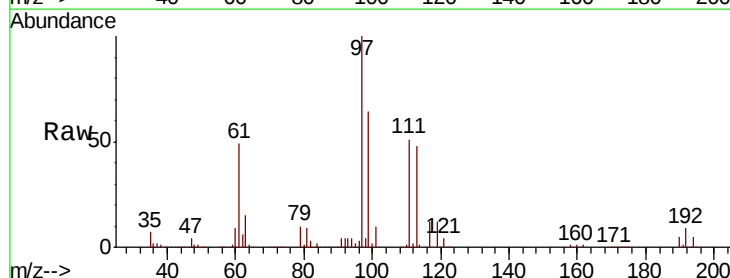
Tgt Ion: 97 Resp: 601778

Ion Ratio Lower Upper

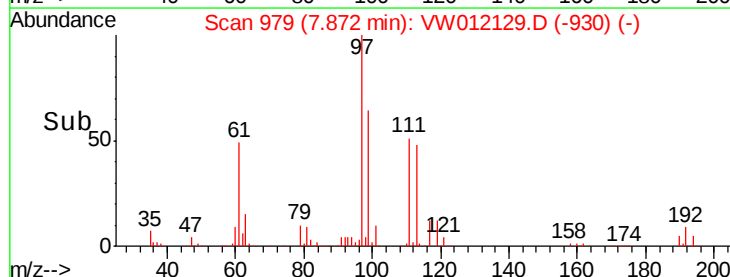
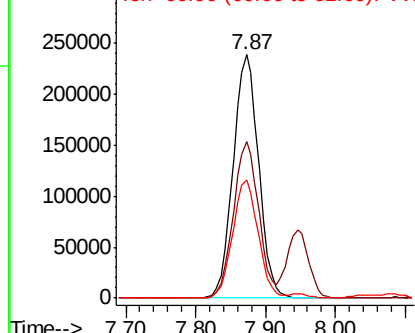
97 100

99 64.3 51.4 77.0

61 49.0 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

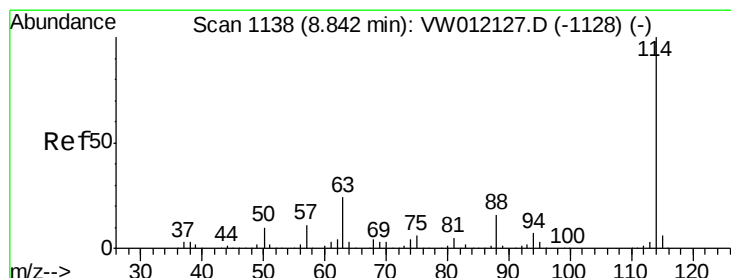
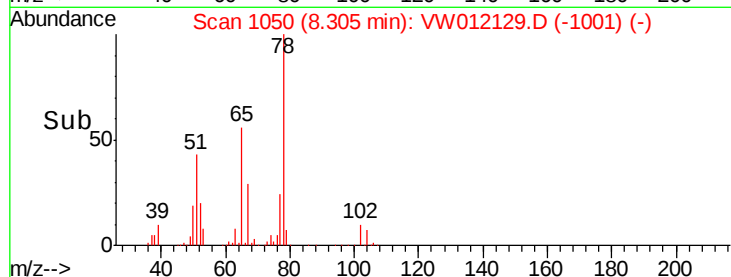
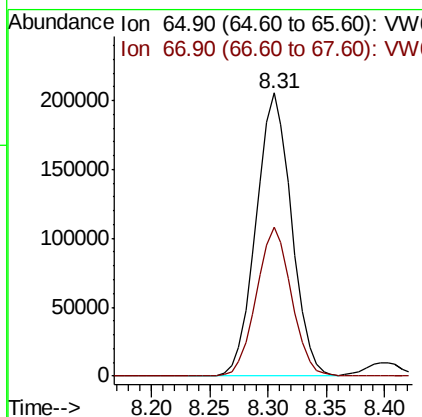
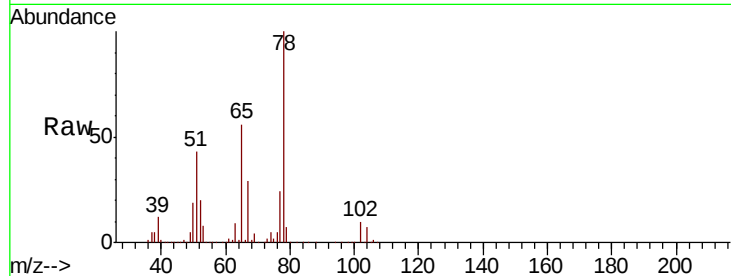




#33
 1,2-Dichloroethane-d4
 Concen: 150.771 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

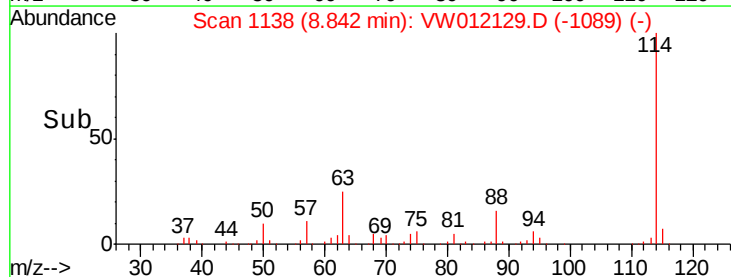
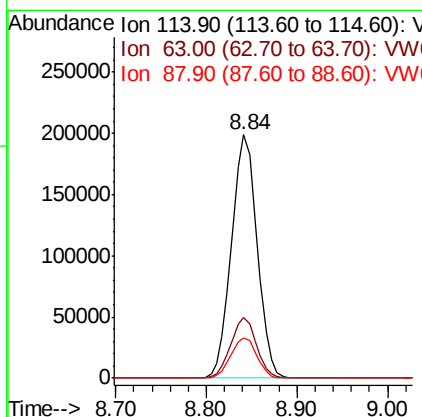
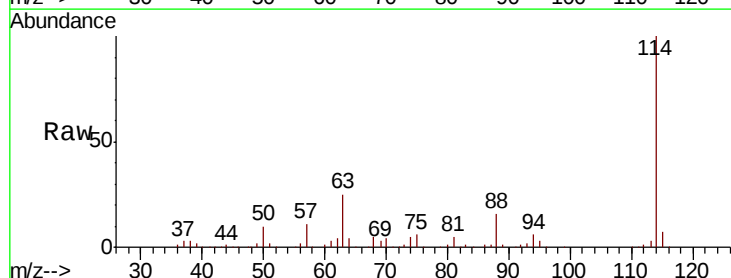
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 65 Resp: 436333
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion: 114 Resp: 391717
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 48.6
 88 16.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 150.413 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

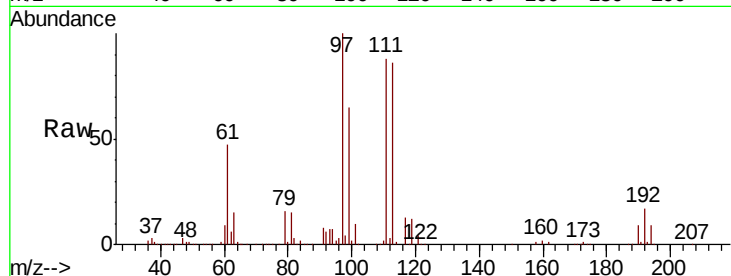
Tgt Ion:113 Resp: 351691

Ion Ratio Lower Upper

113 100

111 102.9 82.7 124.1

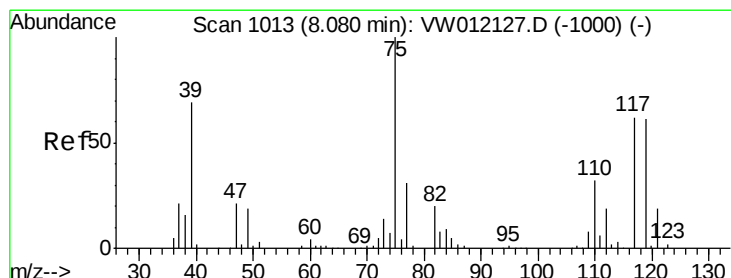
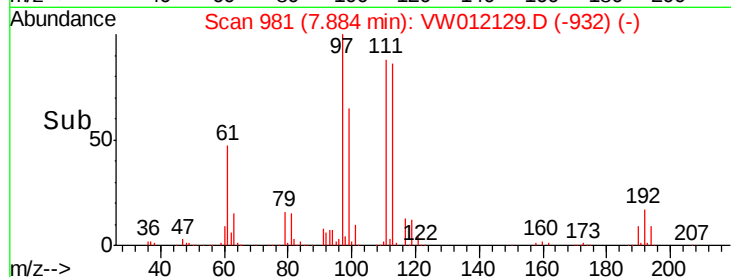
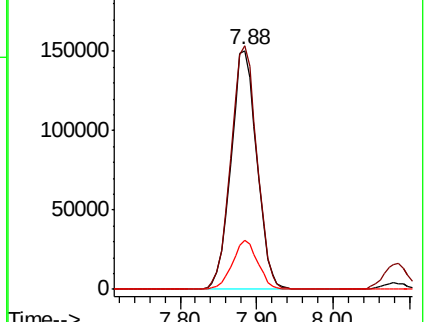
192 20.0 16.2 24.2



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: 157.173 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

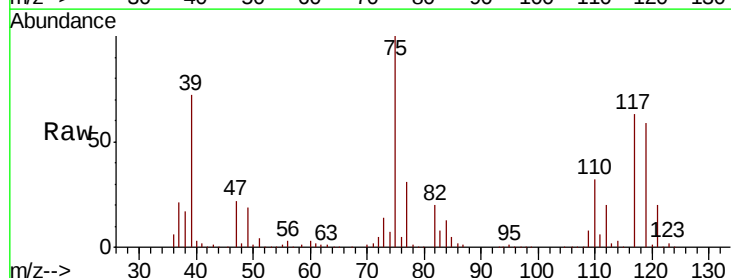
Tgt Ion: 75 Resp: 636229

Ion Ratio Lower Upper

75 100

110 31.4 15.6 46.8

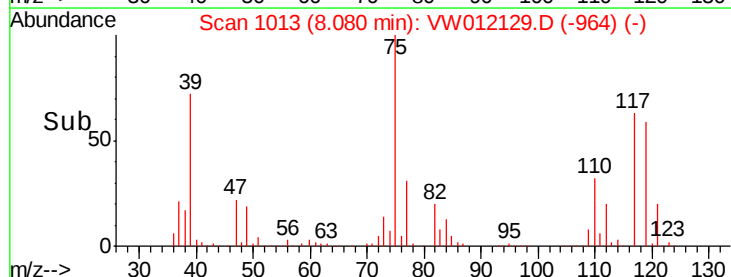
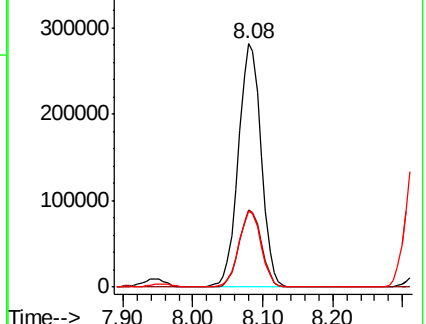
77 30.7 24.6 36.8



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

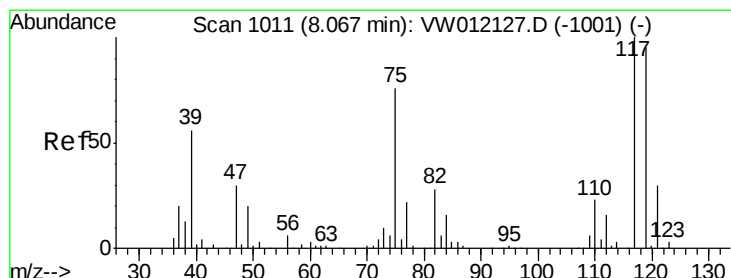
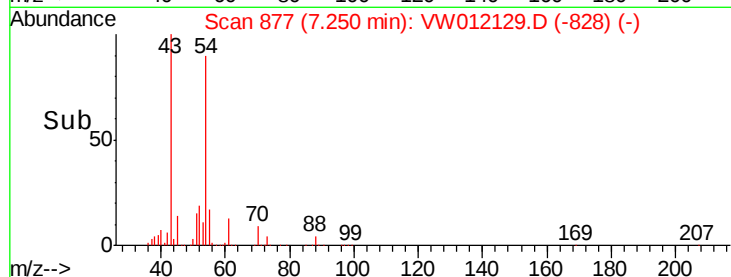
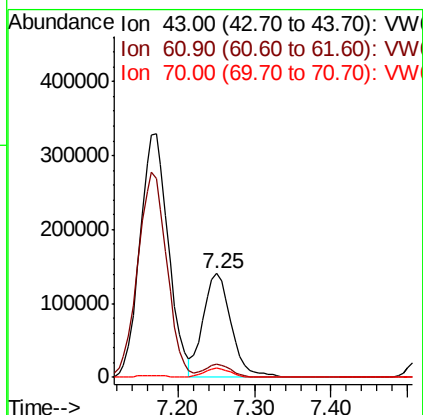
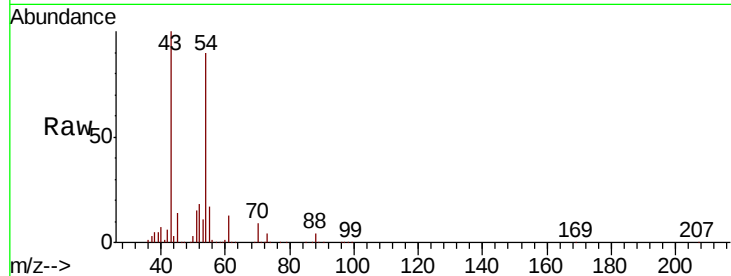




#37
Ethyl Acetate
Concen: 161.739 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

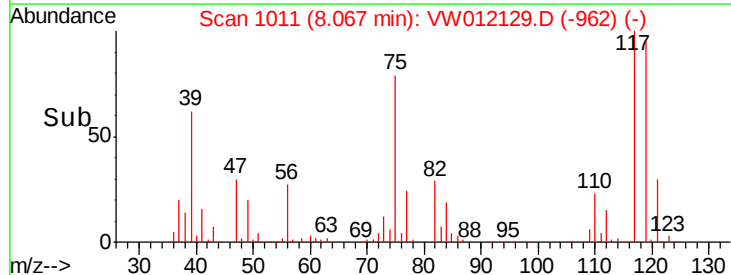
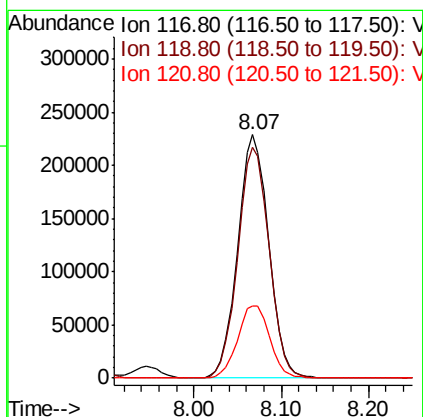
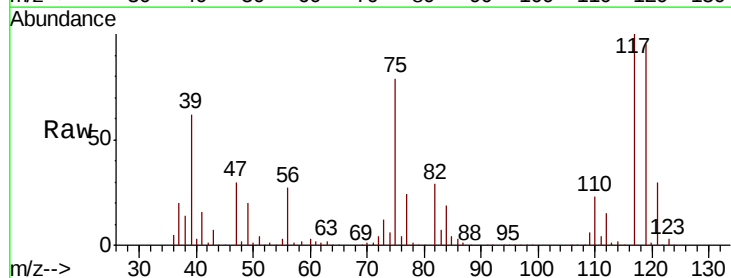
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

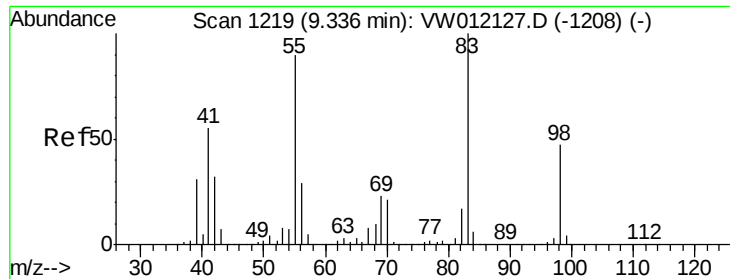
Tgt Ion: 43 Resp: 358772
Ion Ratio Lower Upper
43 100
61 11.9 9.2 13.8
70 8.7 6.9 10.3



#38
Carbon Tetrachloride
Concen: 160.457 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion: 117 Resp: 562175
Ion Ratio Lower Upper
117 100
119 95.0 76.2 114.2
121 29.7 23.8 35.8

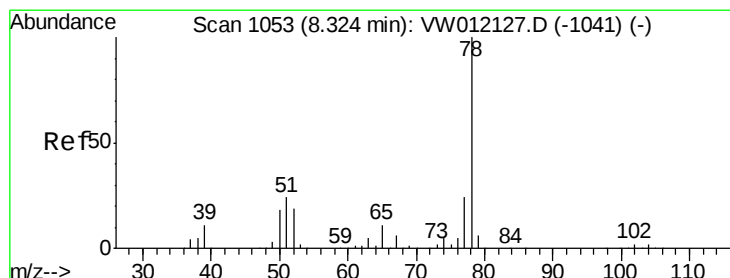
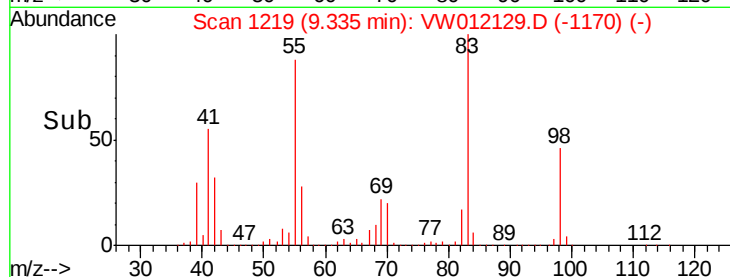
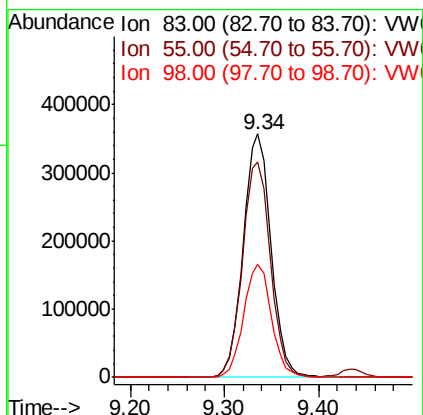
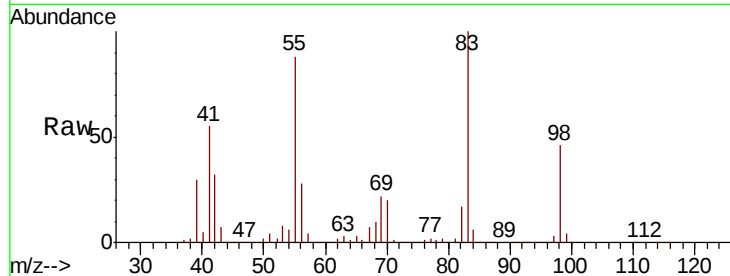




#39
Methylcyclohexane
Concen: 162.322 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

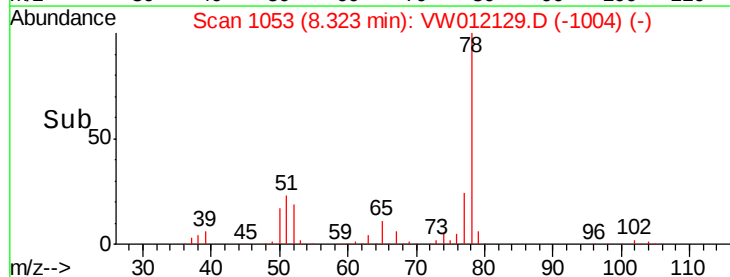
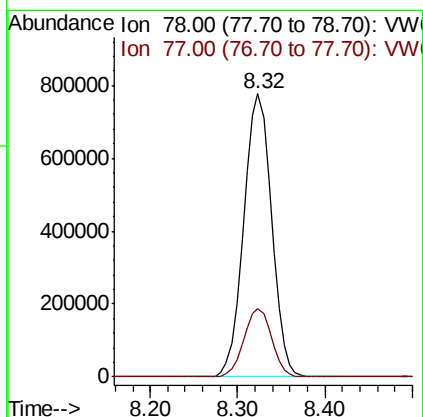
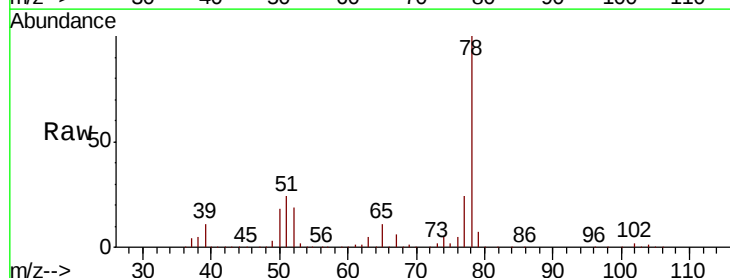
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

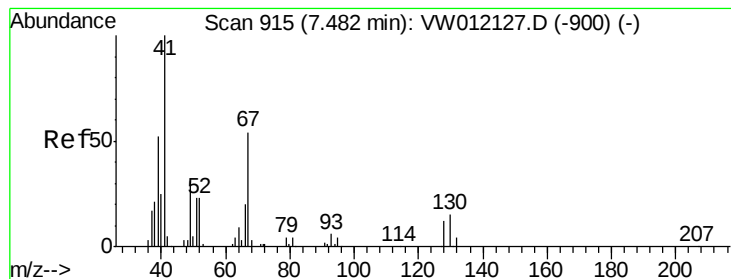
Tgt Ion: 83 Resp: 738168
Ion Ratio Lower Upper
83 100
55 88.3 71.8 107.8
98 46.2 37.8 56.8



#40
Benzene
Concen: 155.183 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion: 78 Resp: 1715272
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3





#41

Methacrylonitrile

Concen: 168.729 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 219976

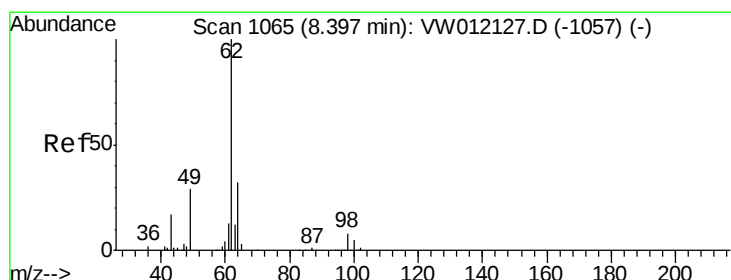
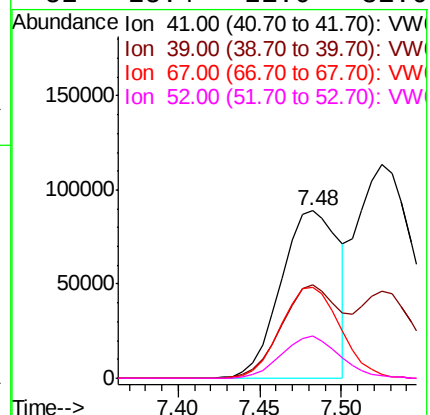
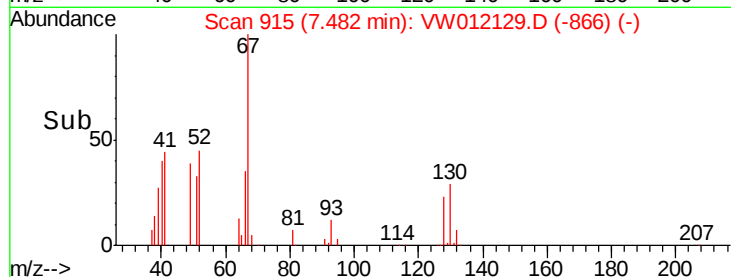
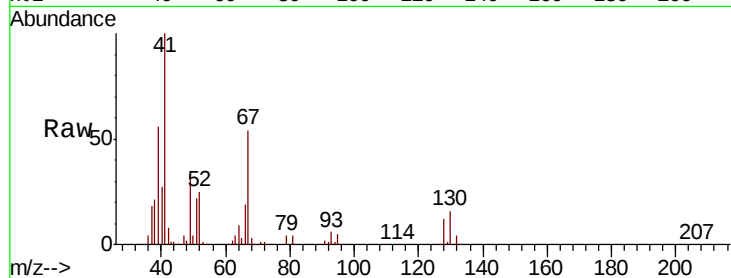
Ion Ratio Lower Upper

41 100

39 58.8 45.8 68.8

67 55.9 46.2 69.4

52 25.4 21.0 31.6



#42

1,2-Dichloroethane

Concen: 156.004 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012129.D

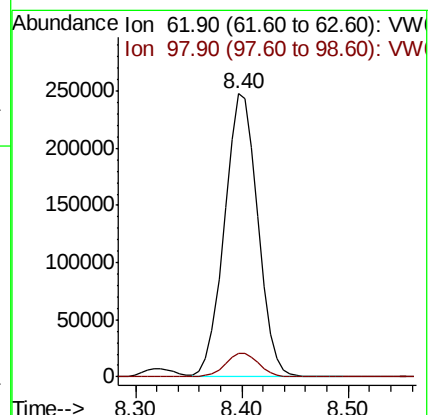
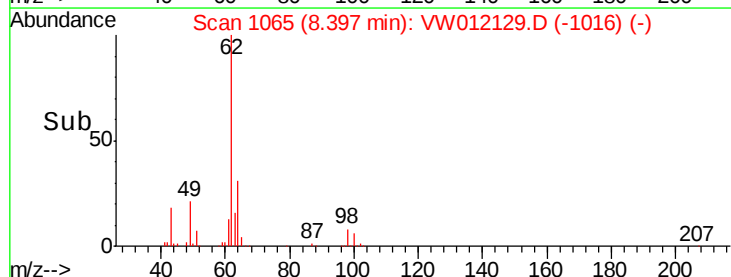
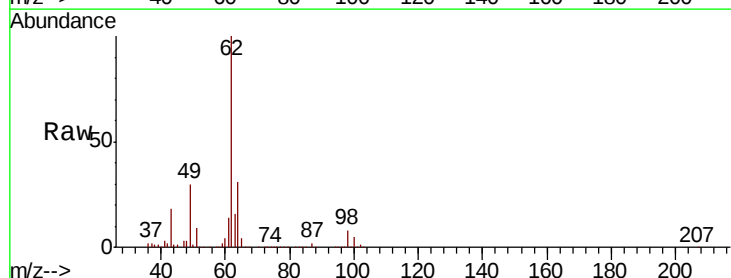
Acq: 23 Aug 2019 11:55

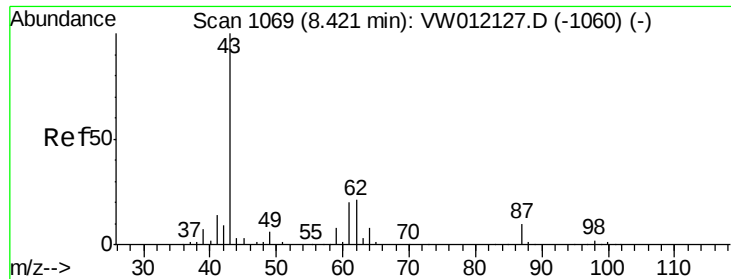
Tgt Ion: 62 Resp: 540423

Ion Ratio Lower Upper

62 100

98 8.4 0.0 16.6





#43

Isopropyl Acetate

Concen: 168.165 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

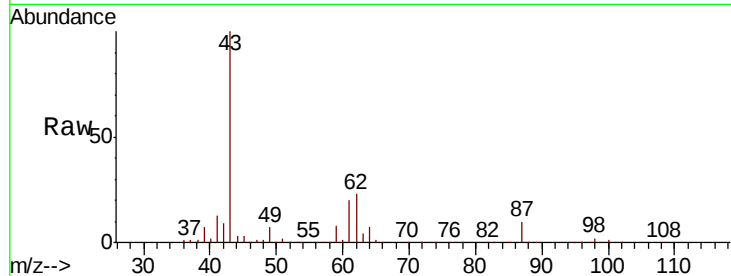
Tgt Ion: 43 Resp: 690962

Ion Ratio Lower Upper

43 100

61 25.8 21.1 31.7

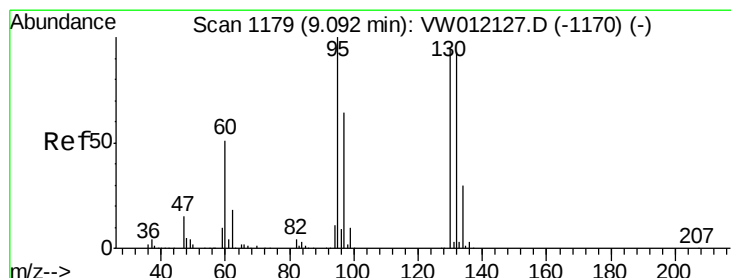
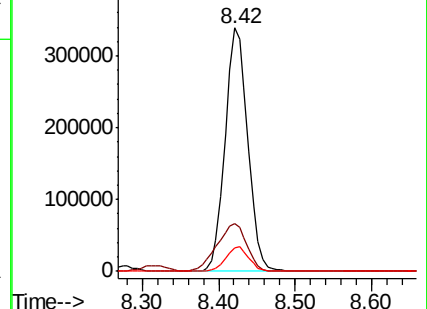
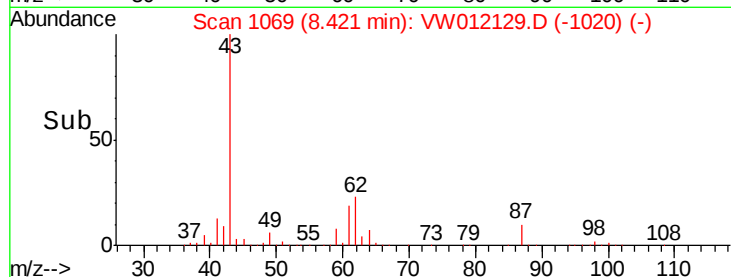
87 10.1 8.2 12.2



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: 157.648 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012129.D

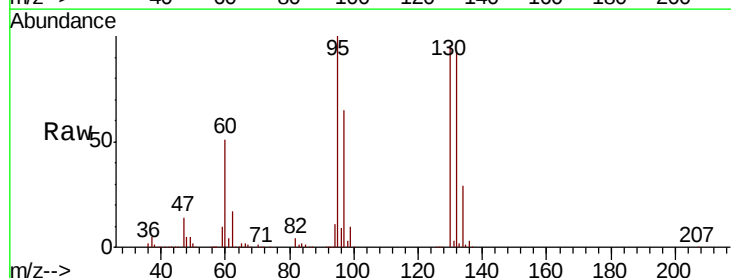
Acq: 23 Aug 2019 11:55

Tgt Ion: 130 Resp: 423599

Ion Ratio Lower Upper

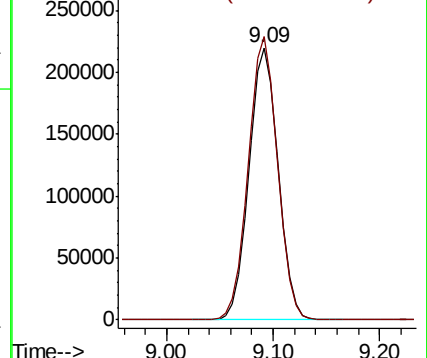
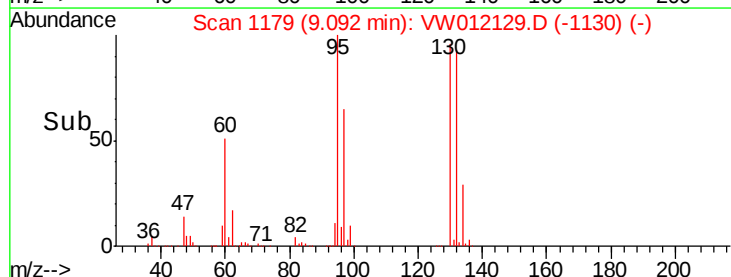
130 100

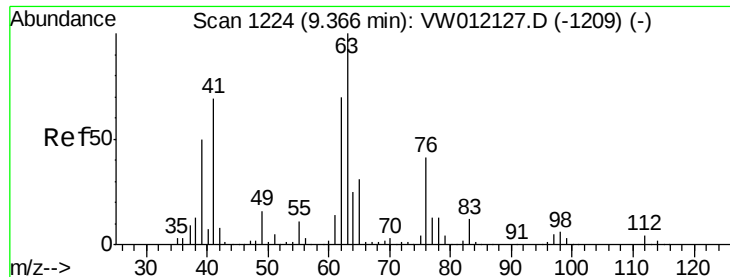
95 104.1 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 156.853 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

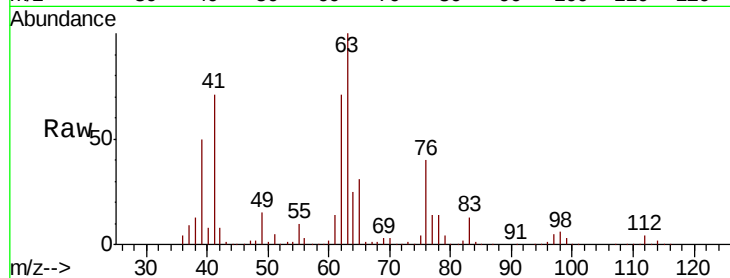
VSTDIC150

Tgt Ion: 63 Resp: 466597

Ion Ratio Lower Upper

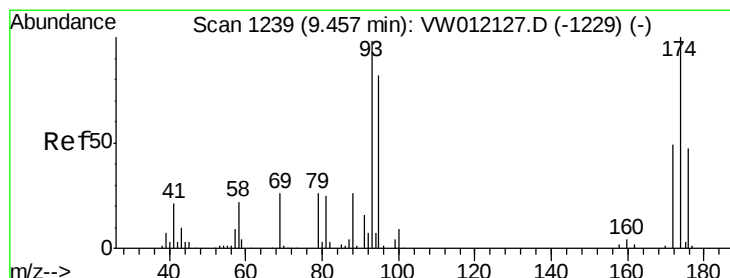
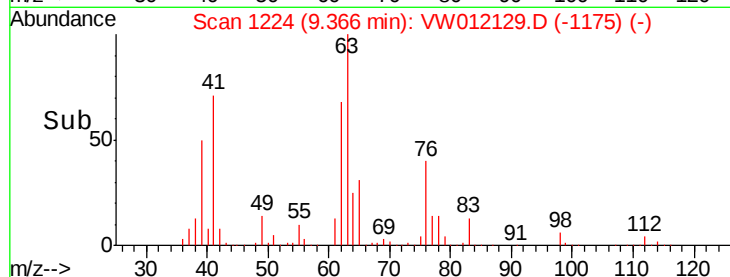
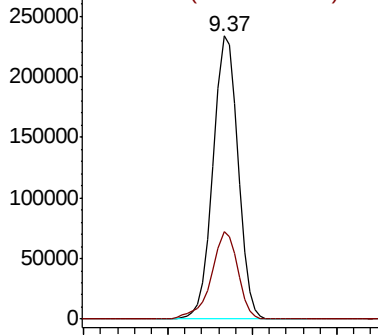
63 100

65 31.0 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 159.274 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

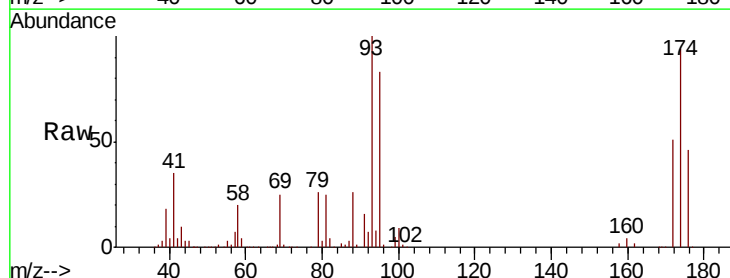
Tgt Ion: 93 Resp: 210808

Ion Ratio Lower Upper

93 100

95 81.9 67.2 100.8

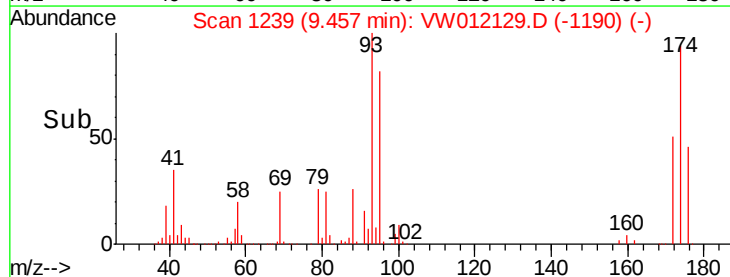
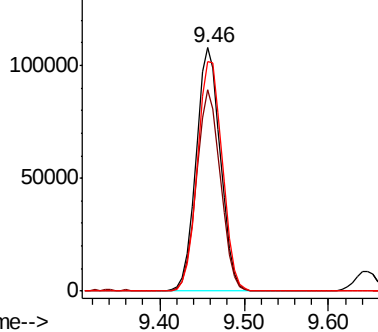
174 96.9 79.0 118.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

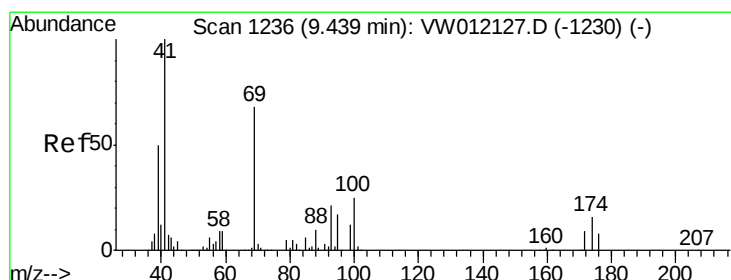
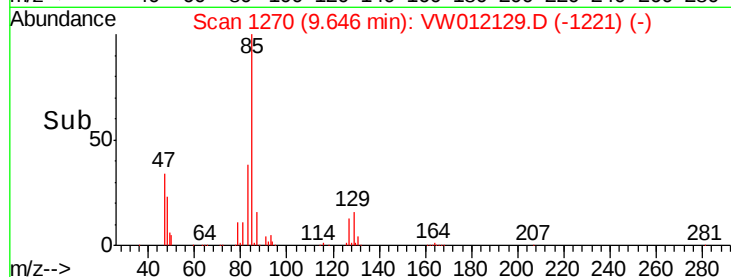
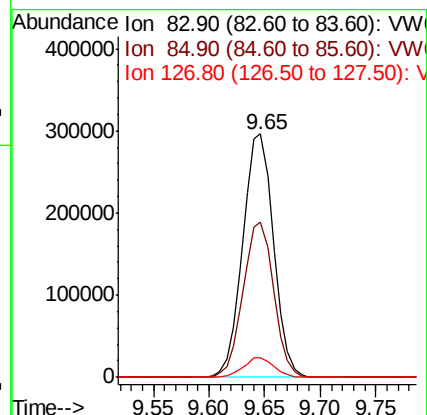
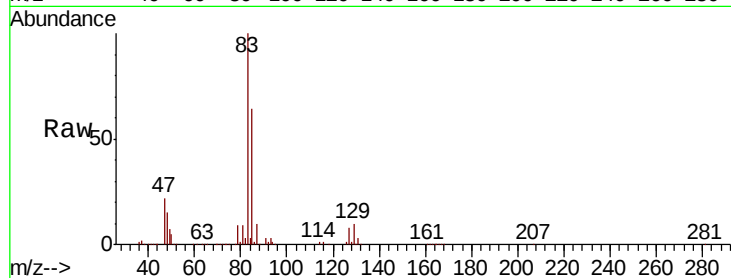




#47
 Bromodichloromethane
 Concen: 161.426 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

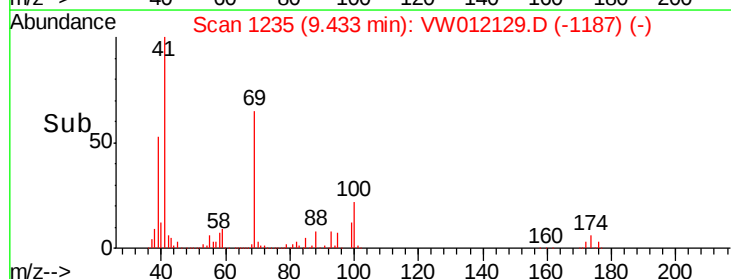
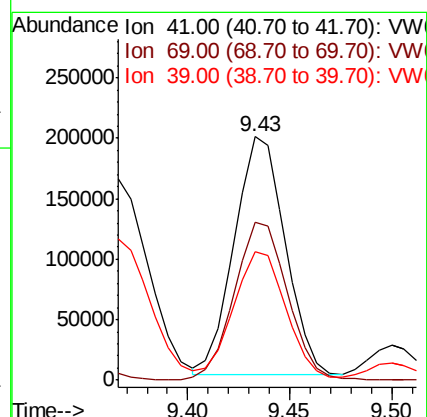
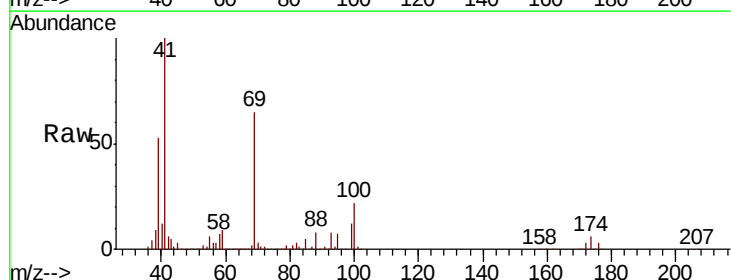
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

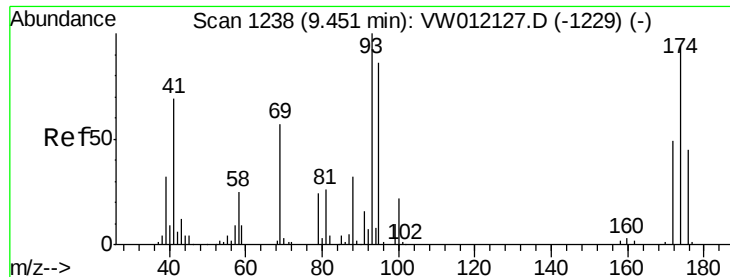
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.4	74.2
127	8.1	6.1	9.1



#48
 Methyl methacrylate
 Concen: 173.583 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	69.5	56.7	85.1
39	54.3	42.0	63.0





#49

1,4-Dioxane

Concen: 3470.078 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

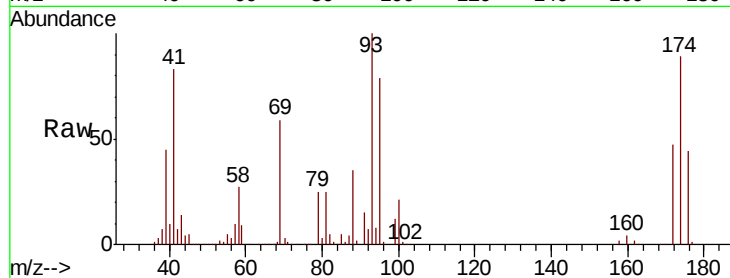
Tgt Ion: 88 Resp: 70311

Ion Ratio Lower Upper

88 100

43 41.5 32.9 49.3

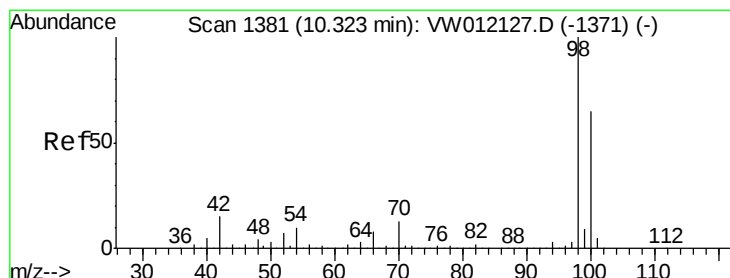
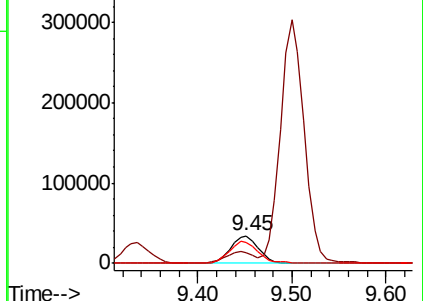
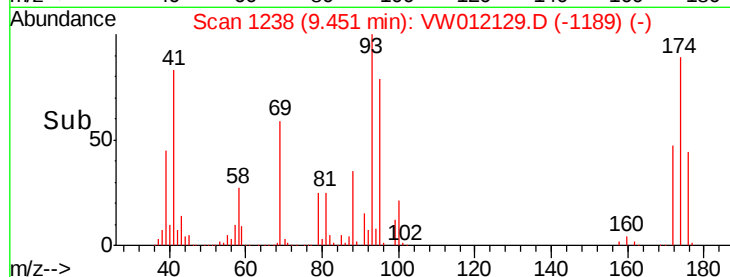
58 83.6 71.0 106.4



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: 152.089 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012129.D

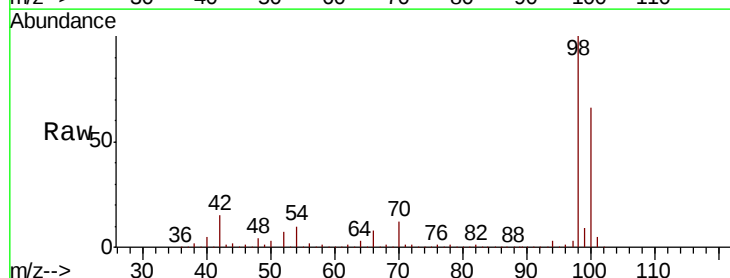
Acq: 23 Aug 2019 11:55

Tgt Ion: 98 Resp: 1441897

Ion Ratio Lower Upper

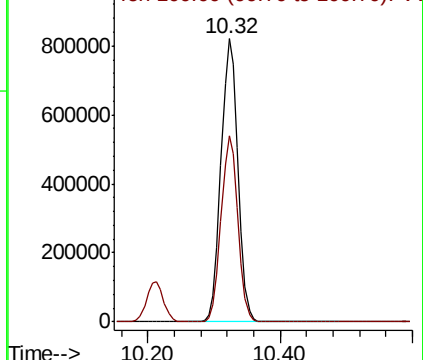
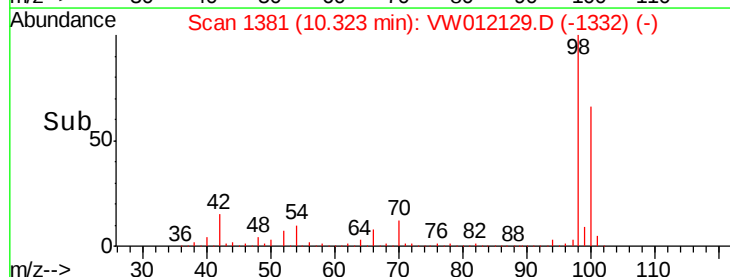
98 100

100 65.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

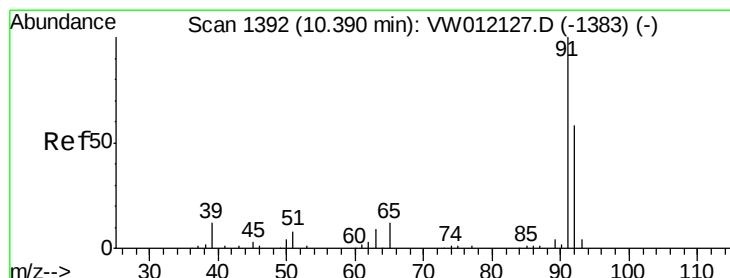
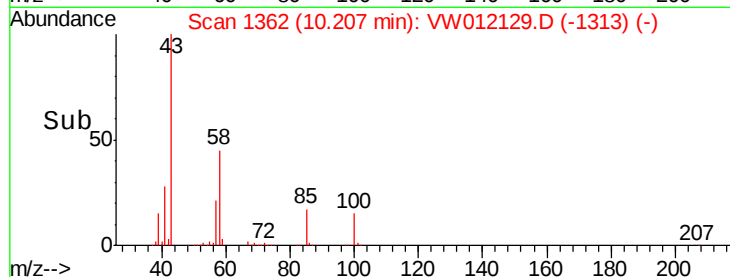
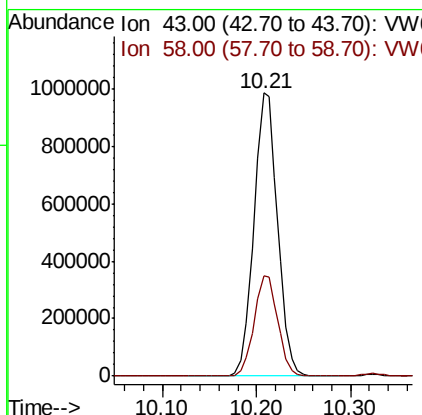
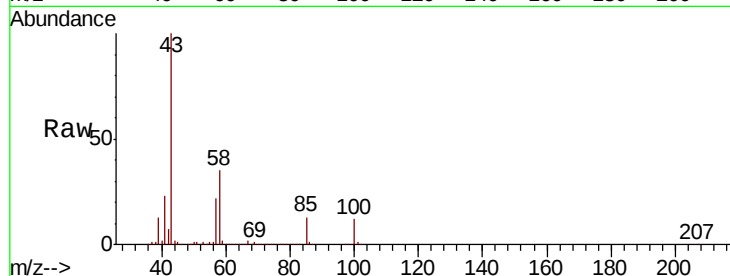




#51
 4-Methyl-2-Pentanone
 Concen: 835.492 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

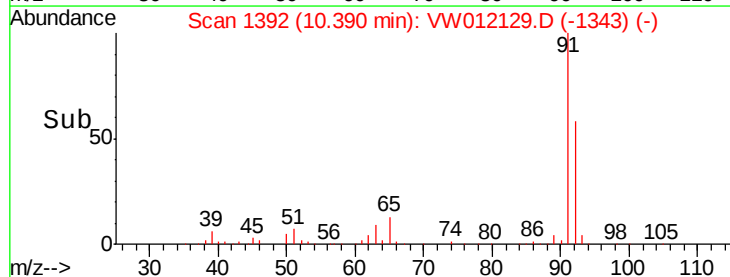
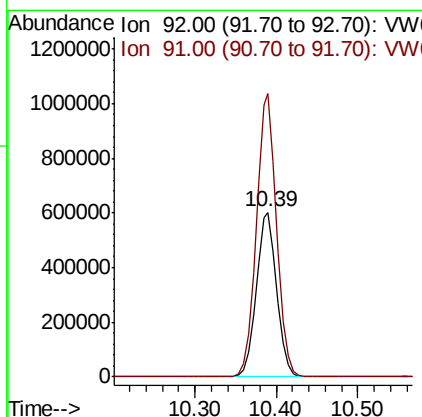
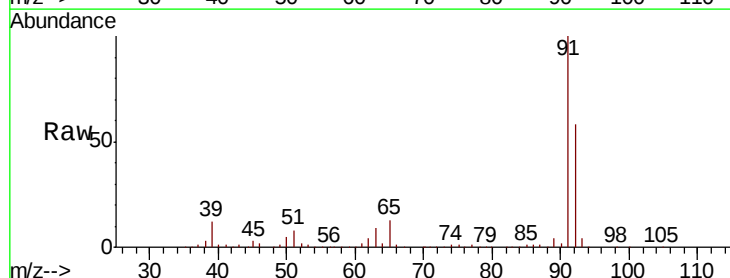
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp: 1746075
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.2 42.2



#52
 Toluene
 Concen: 158.331 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion: 92 Resp: 1051344
 Ion Ratio Lower Upper
 92 100
 91 170.9 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 171.008 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

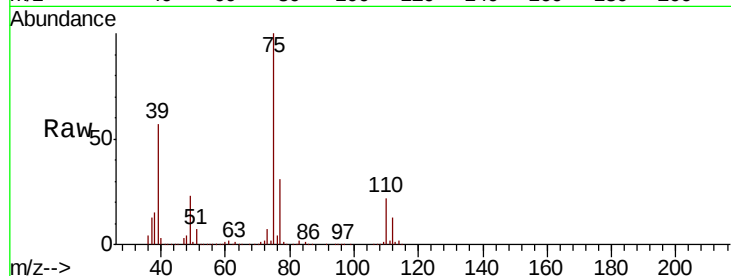
VSTDIC150

Tgt Ion: 75 Resp: 613600

Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

400000

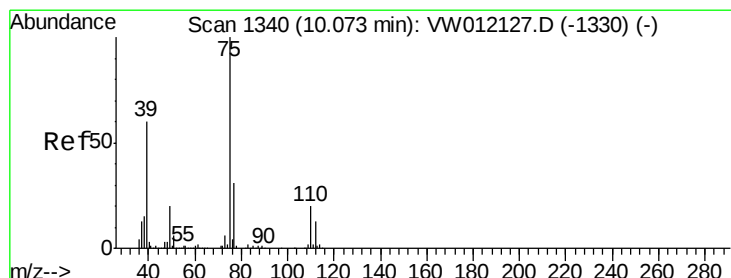
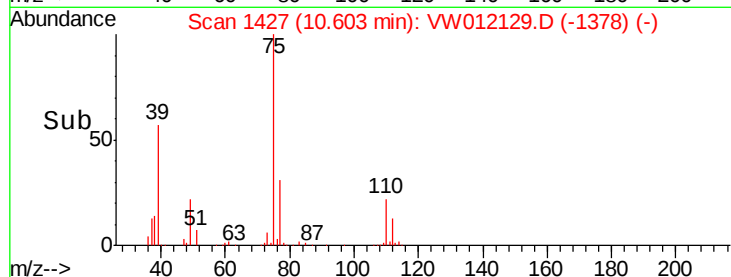
300000

200000

100000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 166.522 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

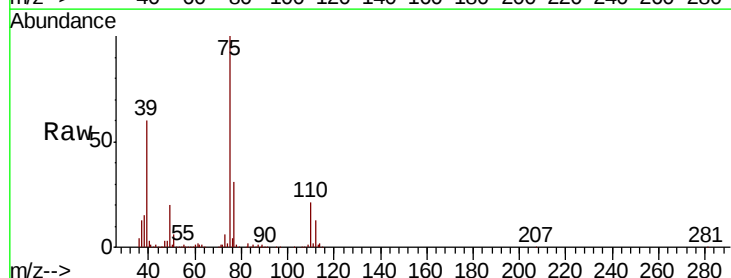
Tgt Ion: 75 Resp: 721453

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 59.9 48.3 72.5



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

500000

400000

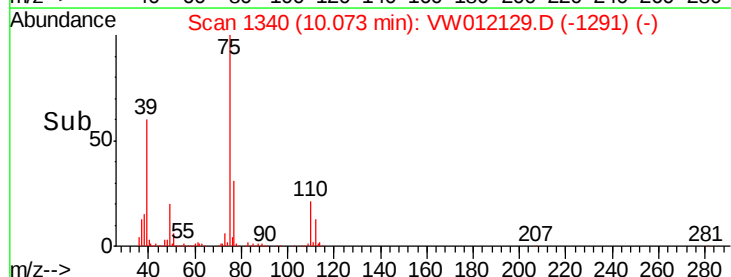
300000

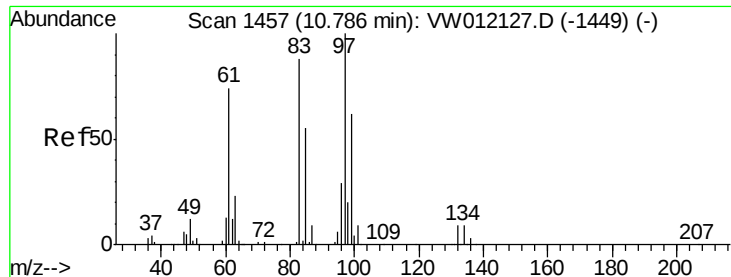
200000

100000

0

Time--> 10.00 10.10 10.20

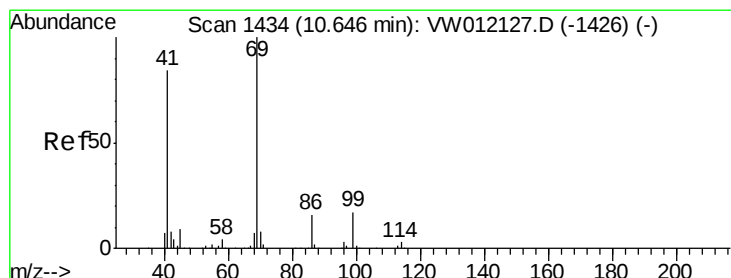
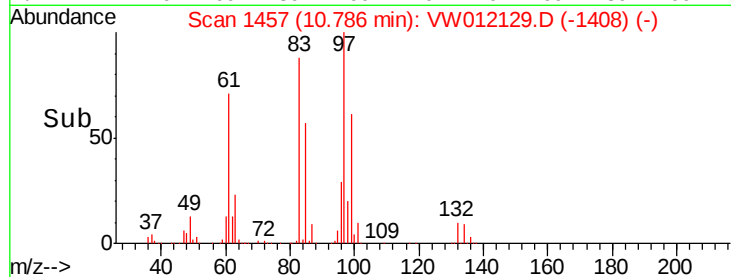
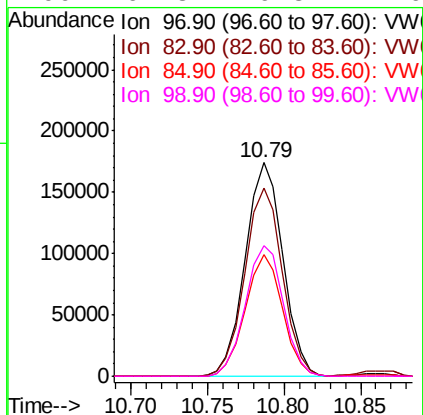
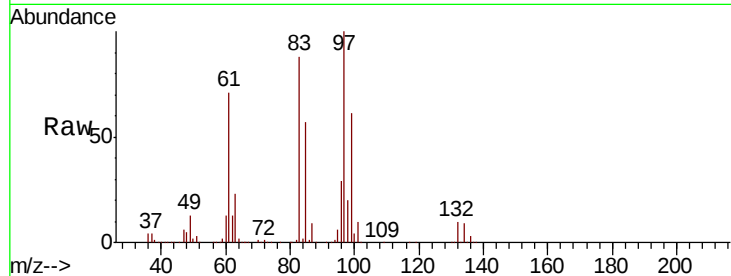




#55
 1,1,2-Trichloroethane
 Concen: 159.395 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

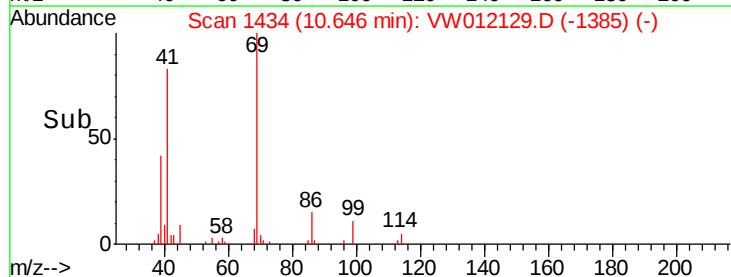
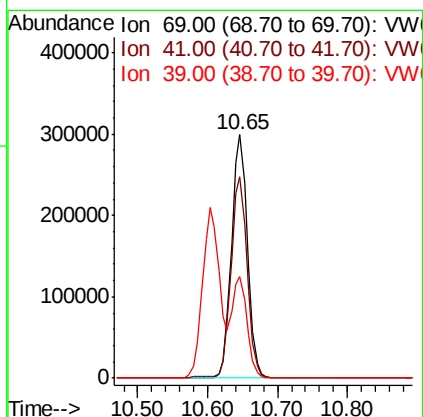
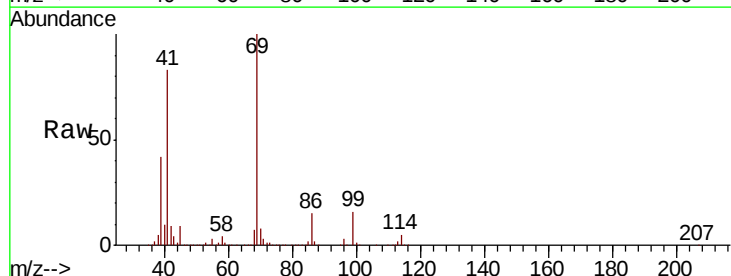
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

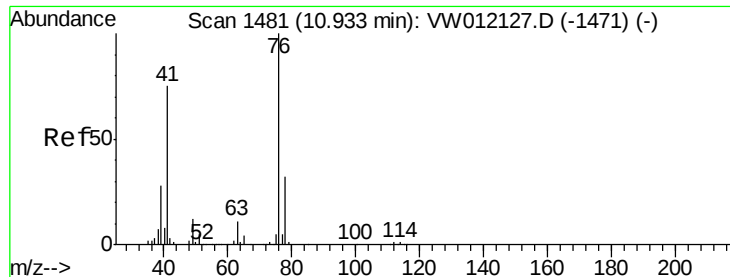
Tgt Ion:	97	Resp:	298492
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.8	106.2
85	57.0	43.8	65.8
99	61.3	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 173.807 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion:	69	Resp:	473709
Ion	Ratio	Lower	Upper
69	100		
41	83.0	66.5	99.7
39	38.9	31.0	46.4

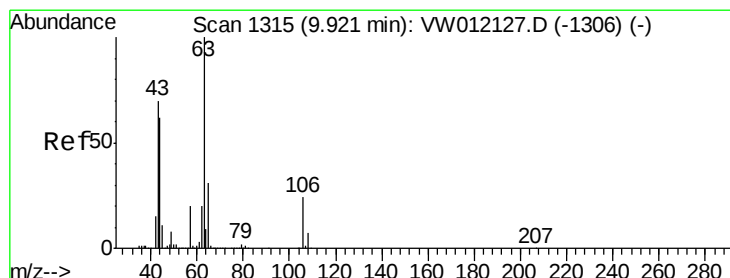
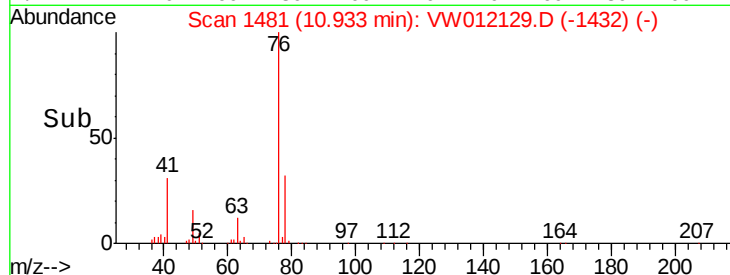
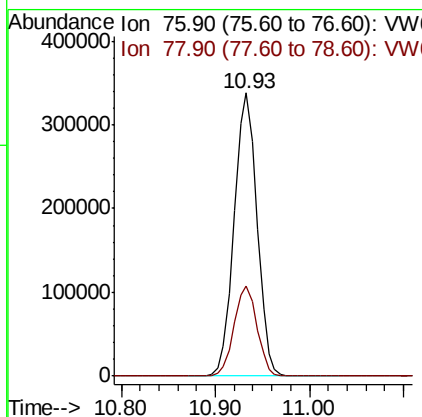
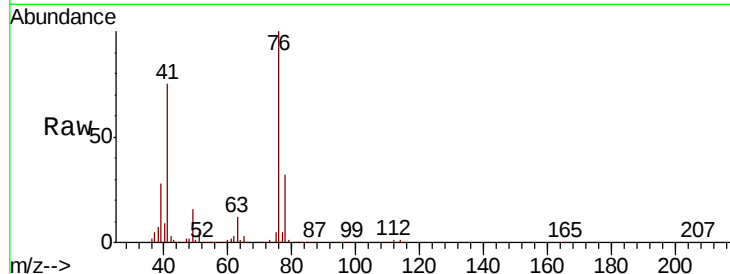




#57
 1,3-Dichloropropane
 Concen: 160.869 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

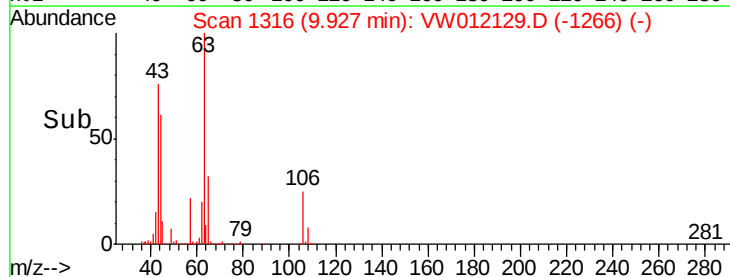
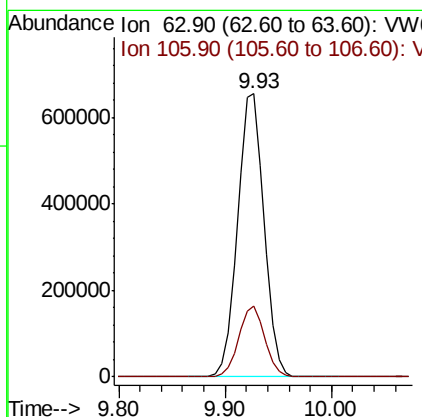
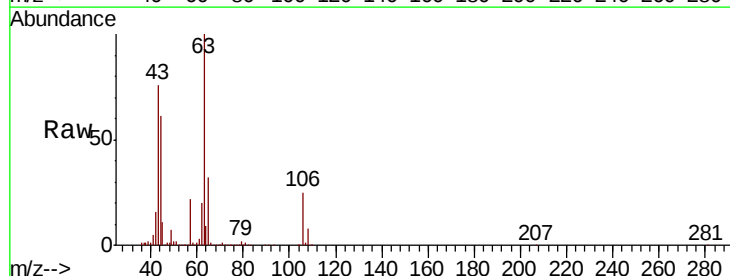
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 76 Resp: 569287
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 816.990 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion: 63 Resp: 1142788
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.8 29.8

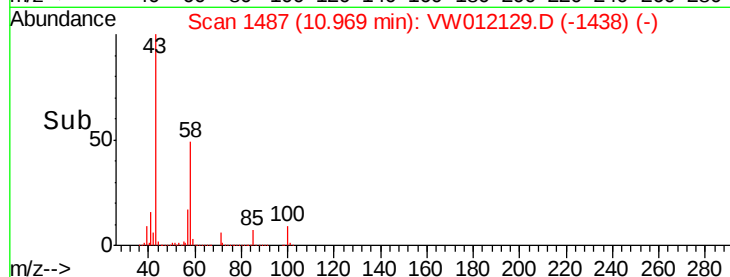
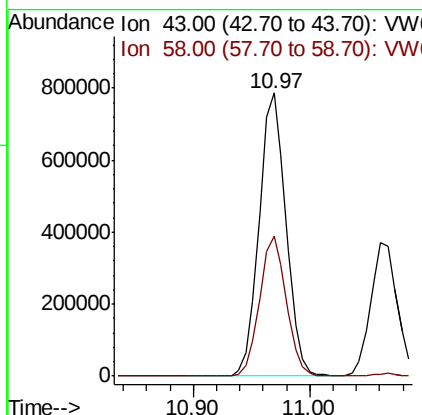
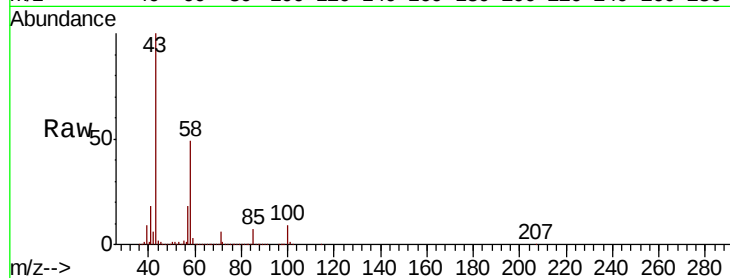




#59
2-Hexanone
Concen: 850.380 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

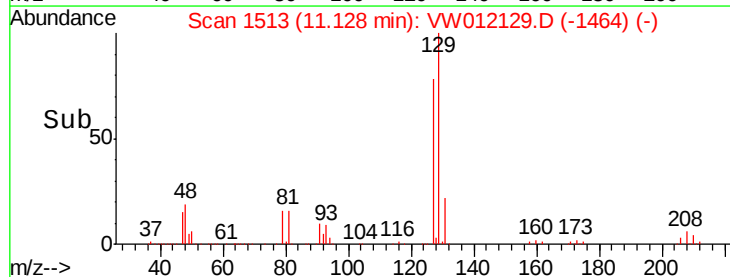
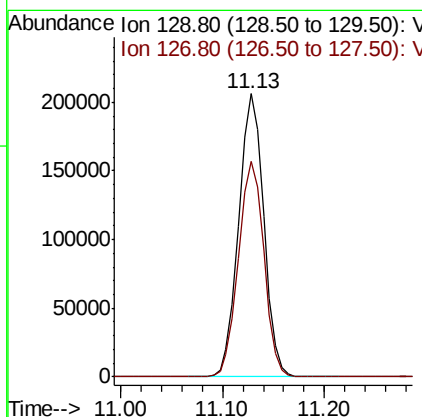
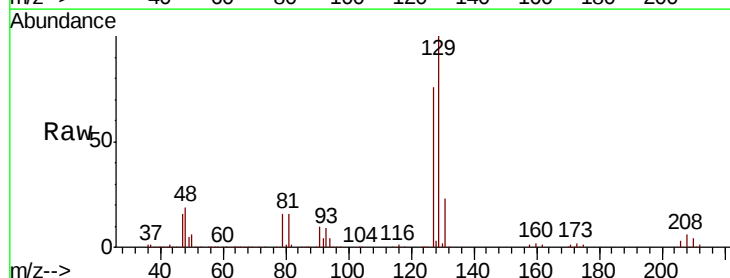
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 1257474
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9



#60
Dibromochloromethane
Concen: 167.654 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion: 129 Resp: 349696
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 162.534 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

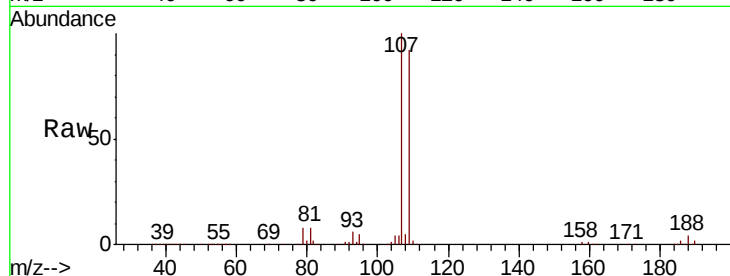
VSTDIC150

Tgt Ion: 107 Resp: 283559

Ion Ratio Lower Upper

107 100

109 93.2 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

150000

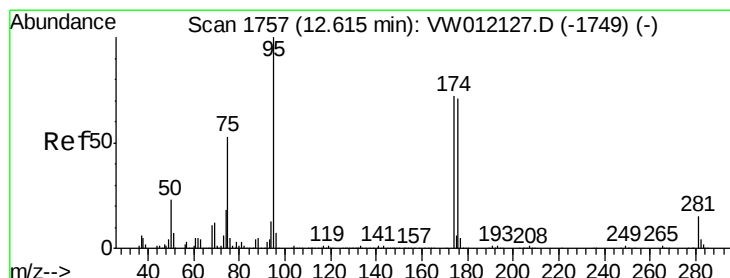
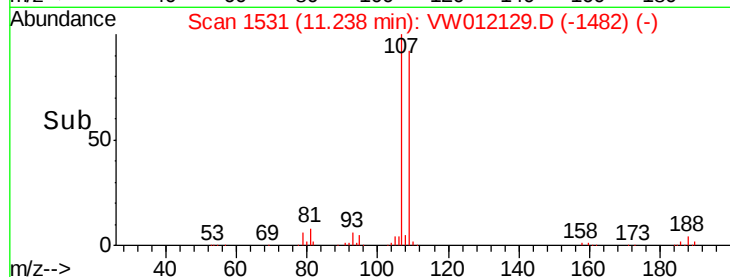
100000

50000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 149.054 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

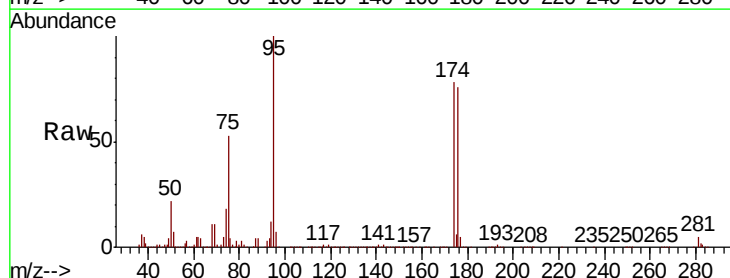
Tgt Ion: 95 Resp: 498123

Ion Ratio Lower Upper

95 100

174 75.6 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

400000

300000

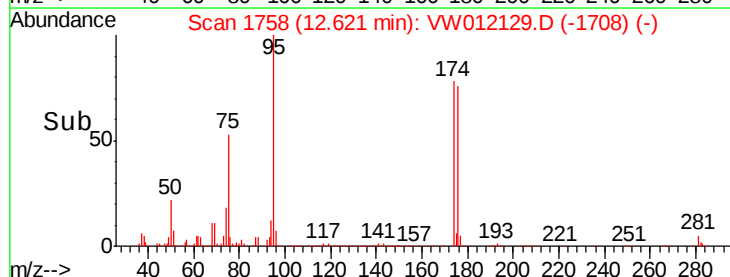
200000

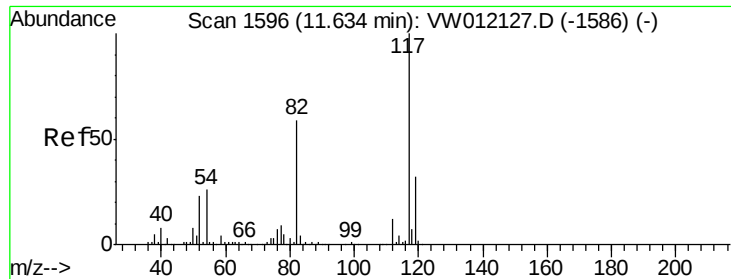
100000

0

Time-->

12.60 12.70

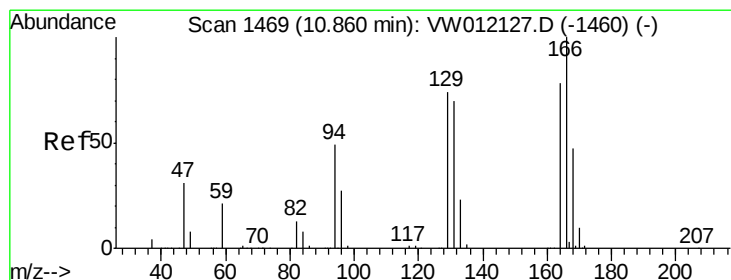
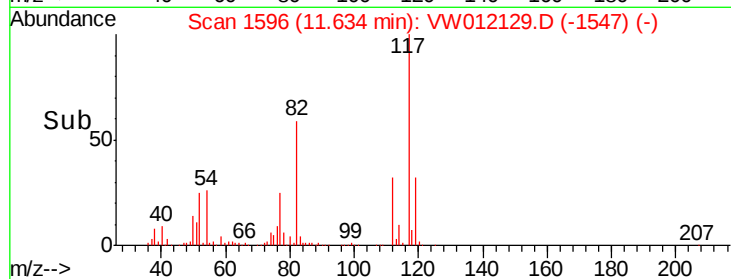
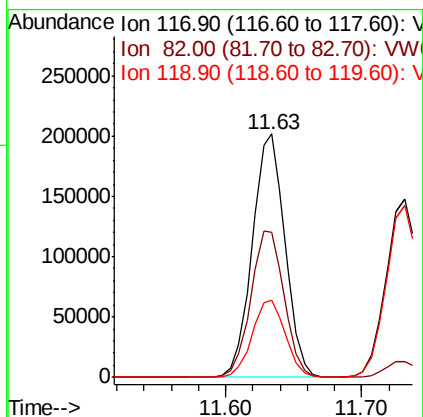
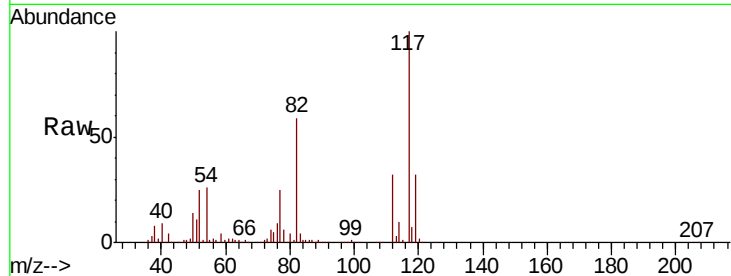




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

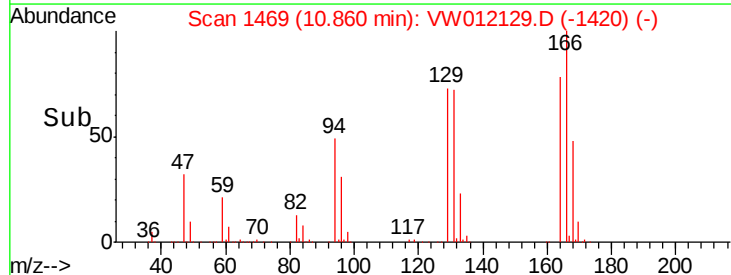
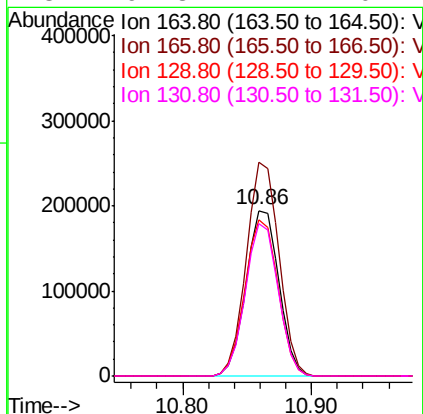
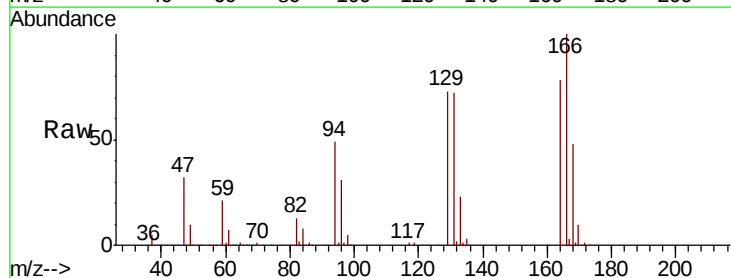
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

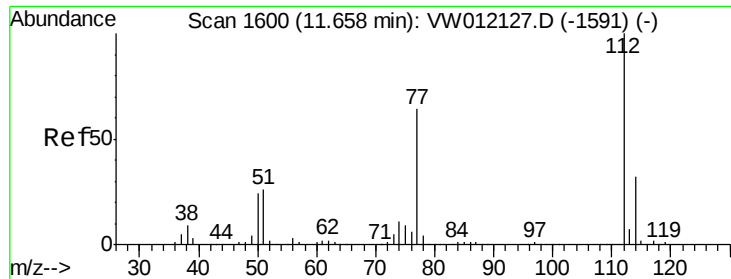
Tgt Ion:117 Resp: 339865
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 155.470 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion:164 Resp: 342569
Ion Ratio Lower Upper
164 100
166 129.0 102.4 153.6
129 94.4 75.8 113.6
131 92.3 71.4 107.2

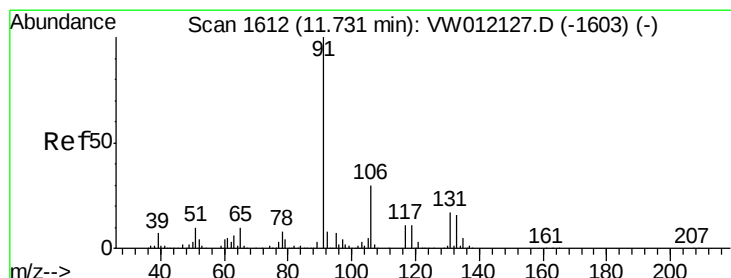
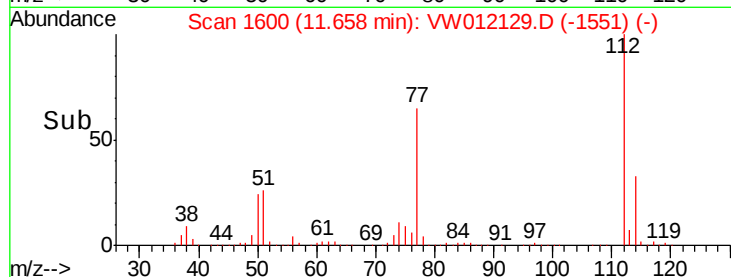
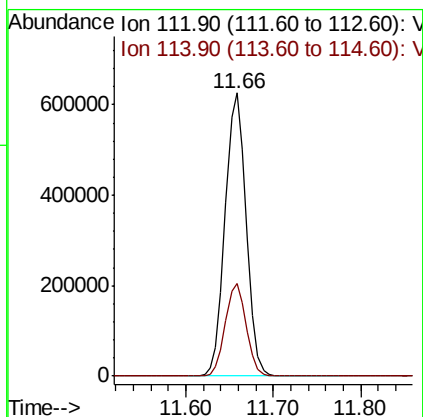
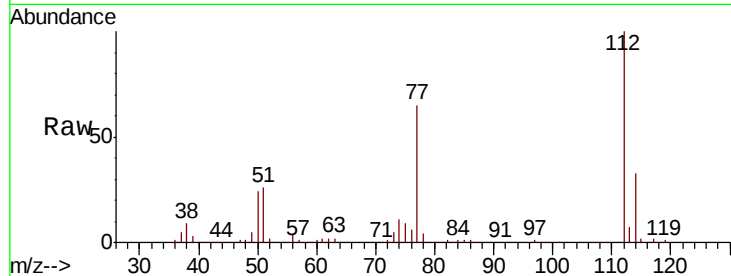




#65
Chlorobenzene
Concen: 155.996 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

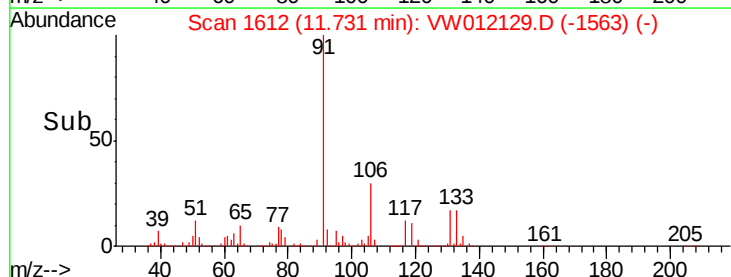
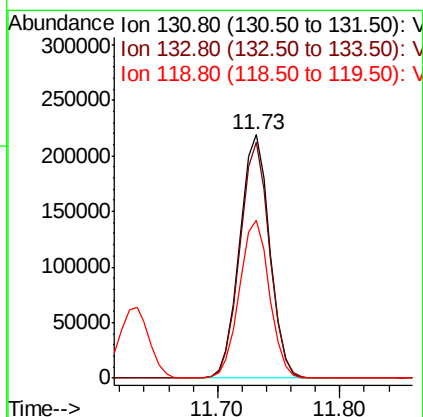
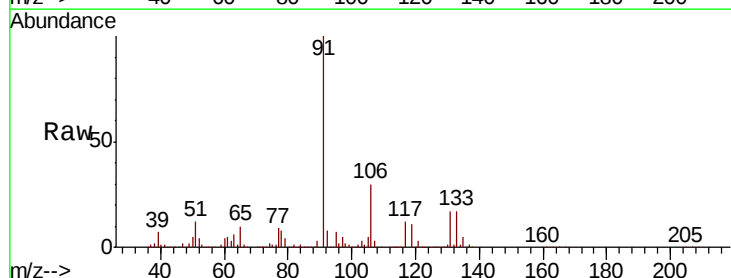
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 1043962
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 159.228 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion:131 Resp: 371742
Ion Ratio Lower Upper
131 100
133 95.7 47.1 141.3
119 64.9 31.8 95.3





#67

Ethyl Benzene

Concen: 159.299 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

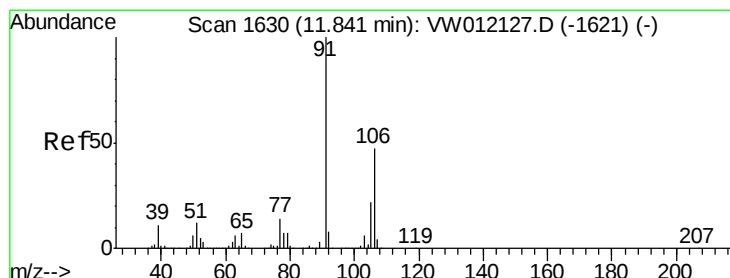
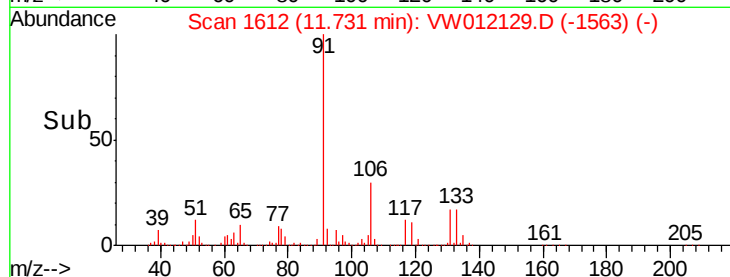
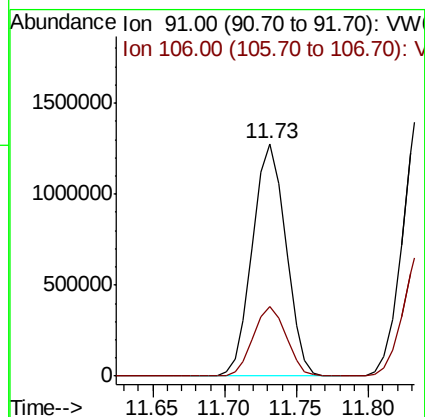
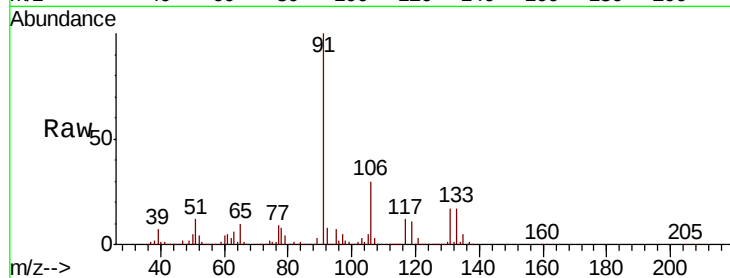
VSTDIC150

Tgt Ion: 91 Resp: 2053590

Ion Ratio Lower Upper

91 100

106 29.9 24.3 36.5



#68

m/p-Xylenes

Concen: 316.969 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012129.D

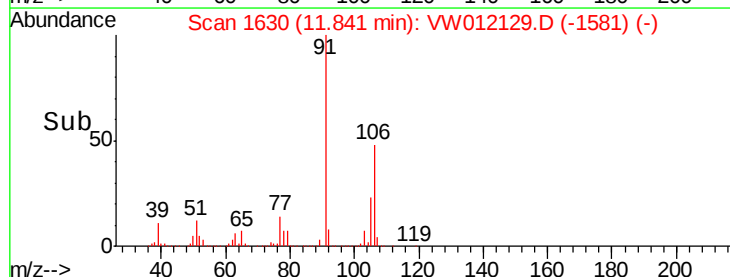
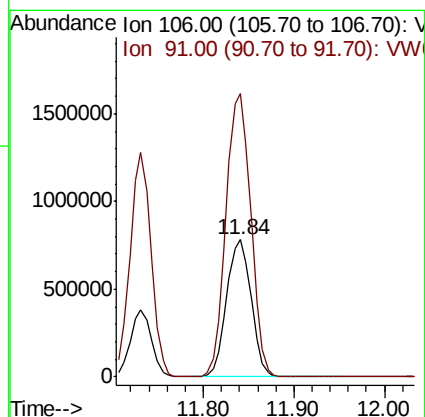
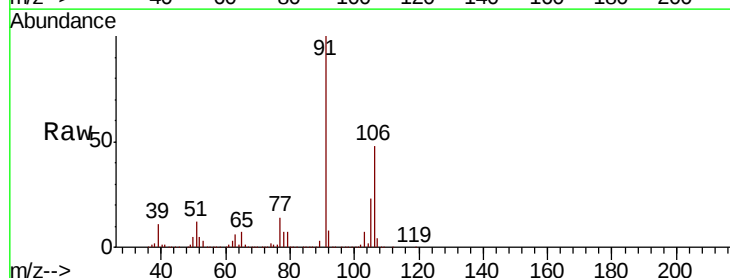
Acq: 23 Aug 2019 11:55

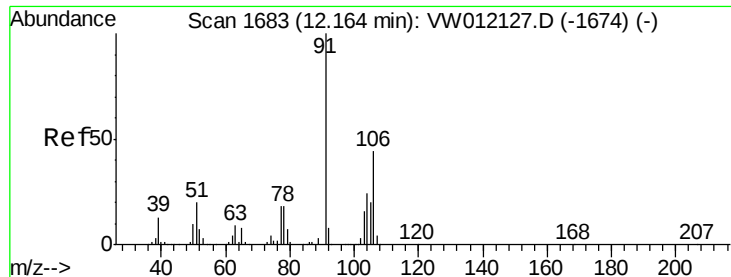
Tgt Ion: 106 Resp: 1471891

Ion Ratio Lower Upper

106 100

91 209.1 169.5 254.3

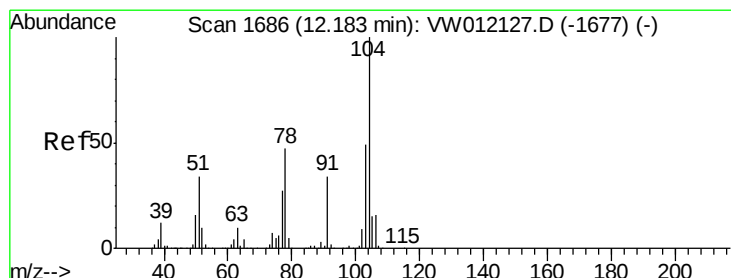
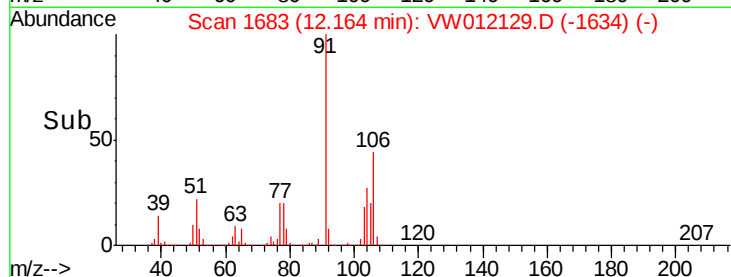
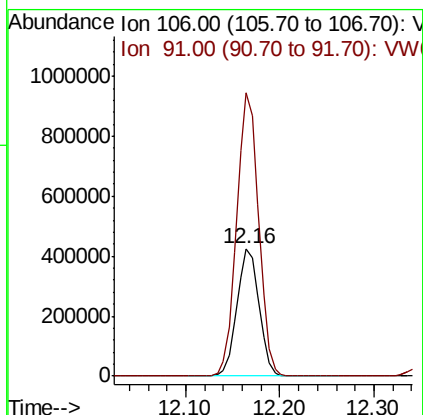
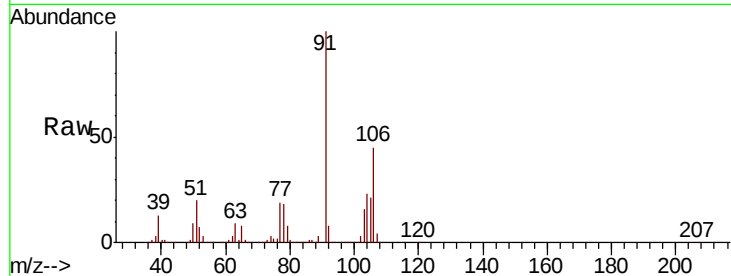




#69
o-Xylene
Concen: 160.595 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

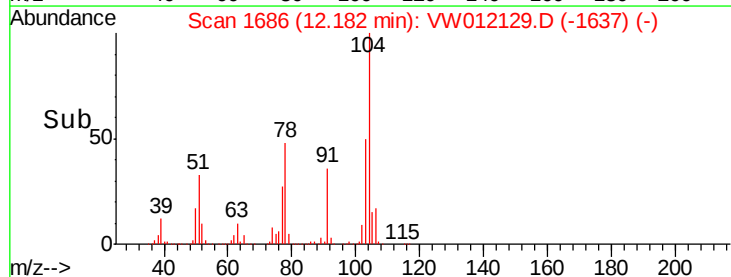
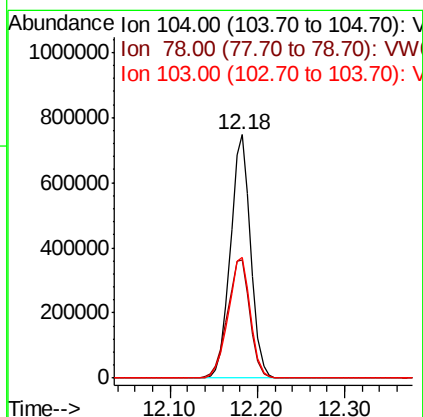
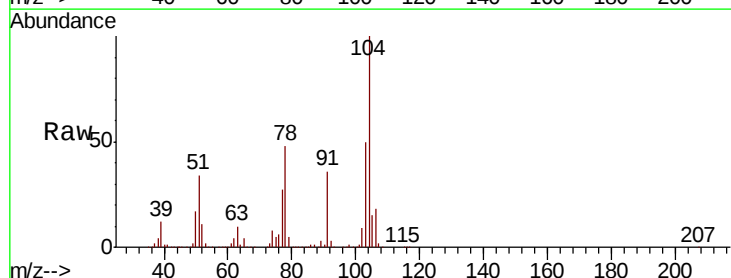
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

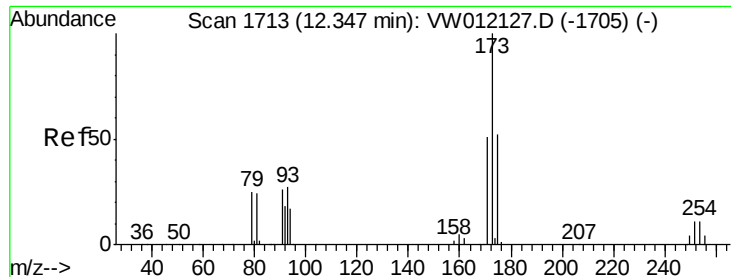
Tgt Ion:106 Resp: 690211
Ion Ratio Lower Upper
106 100
91 220.9 111.6 334.6



#70
Styrene
Concen: 161.065 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion:104 Resp: 1198186
Ion Ratio Lower Upper
104 100
78 54.3 43.1 64.7
103 54.2 43.5 65.3





#71

Bromoform

Concen: 169.549 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

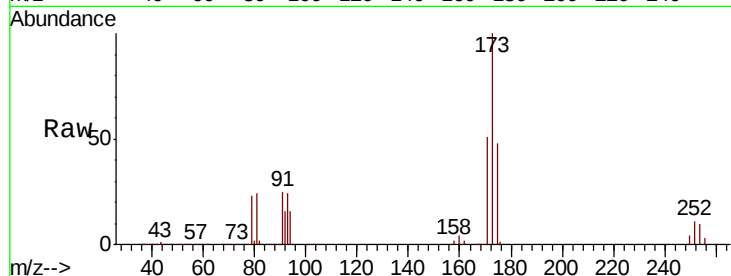
Tgt Ion:173 Resp: 197218

Ion Ratio Lower Upper

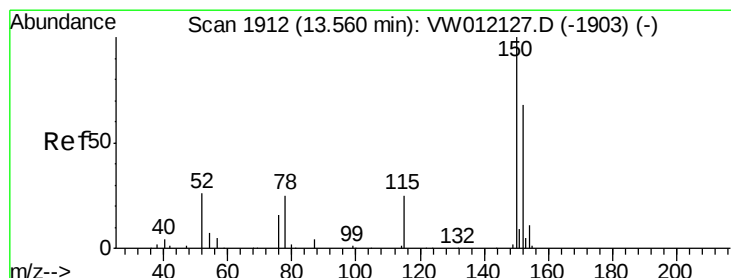
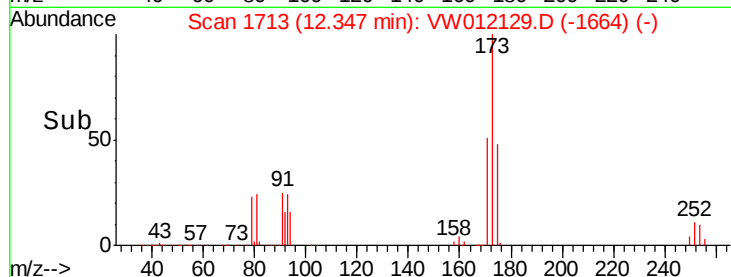
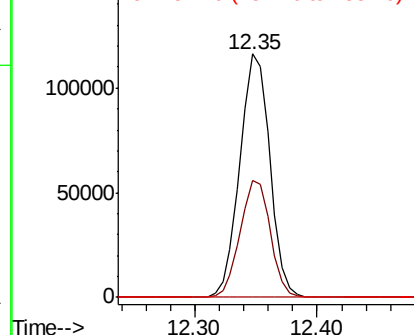
173 100

175 48.4 24.6 74.0

254 0.1 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: VW012129.D

Acq: 23 Aug 2019 11:55

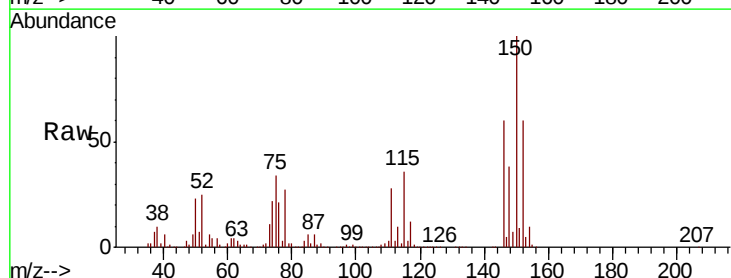
Tgt Ion:152 Resp: 157830

Ion Ratio Lower Upper

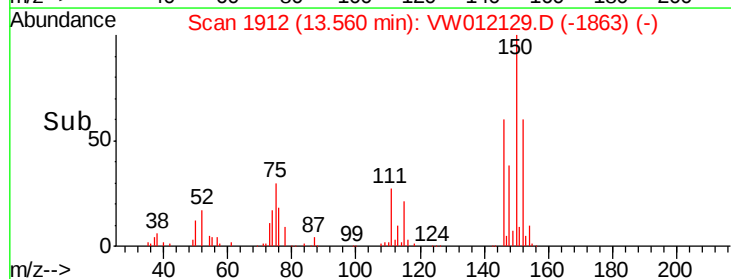
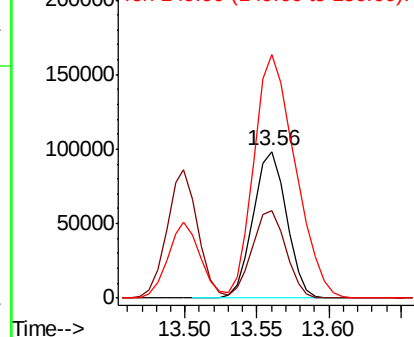
152 100

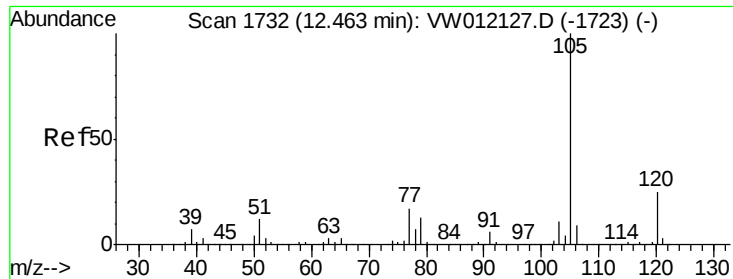
115 59.9 30.1 90.3

150 205.6 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: 159.740 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

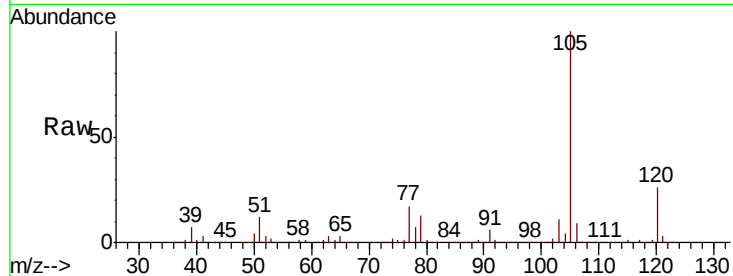
VSTDIC150

Tgt Ion:105 Resp: 1889155

Ion Ratio Lower Upper

105 100

120 25.8 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

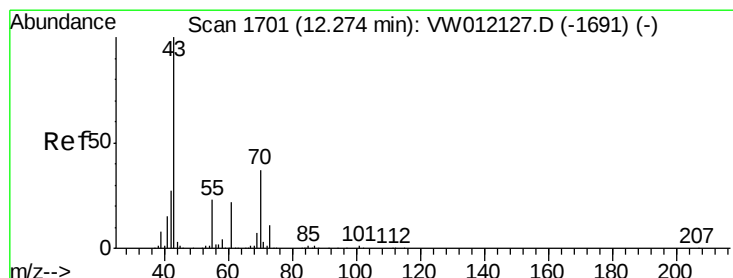
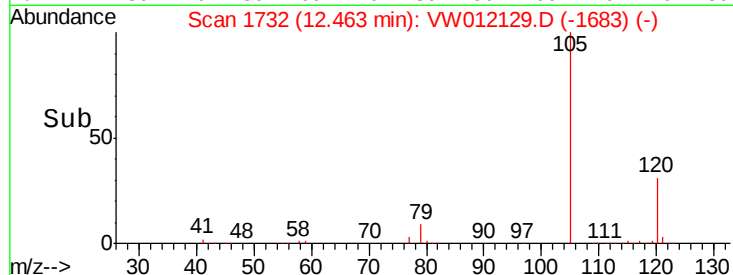
12.46

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 175.475 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Tgt Ion: 43 Resp: 626988

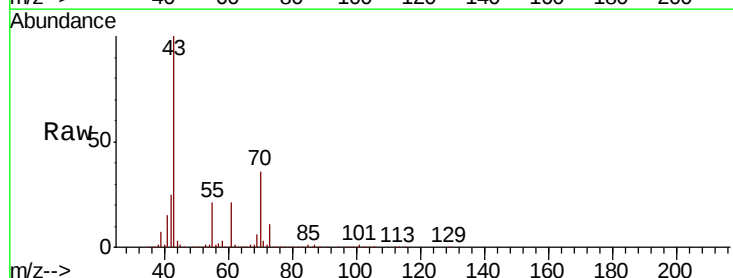
Ion Ratio Lower Upper

43 100

70 35.6 28.6 43.0

55 21.9 17.8 26.6

61 21.5 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

600000

500000

400000

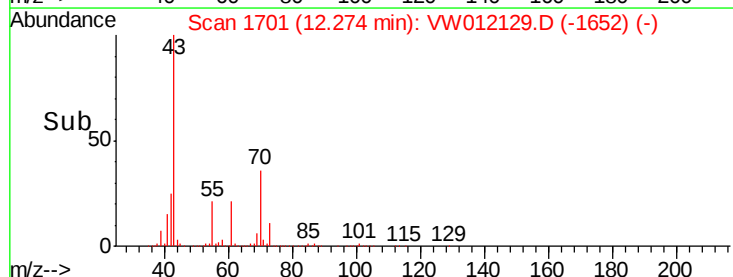
300000

200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 160.345 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

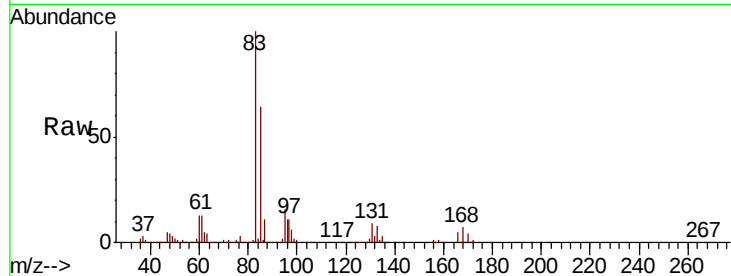
Tgt Ion: 83 Resp: 347650

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

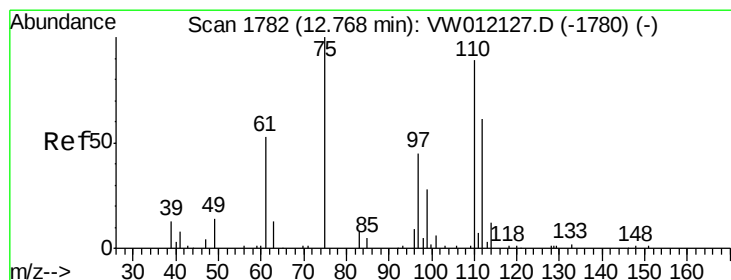
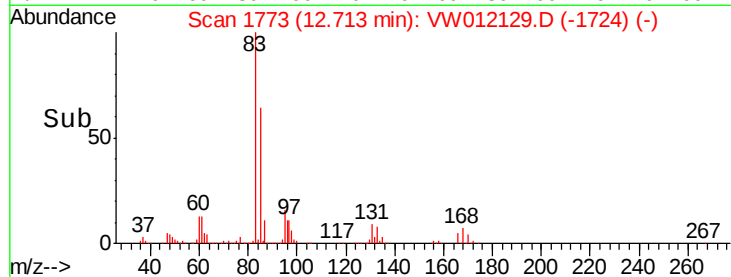
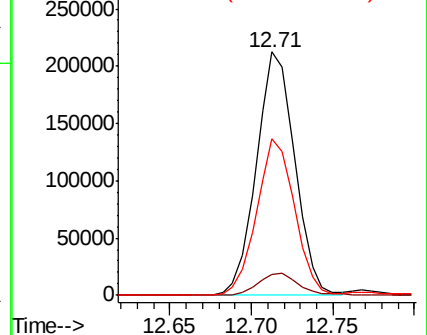
85 63.4 31.9 95.7



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: 313.717 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012129.D

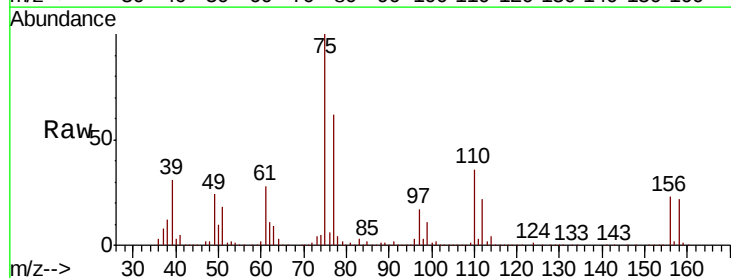
Acq: 23 Aug 2019 11:55

Tgt Ion: 75 Resp: 477090

Ion Ratio Lower Upper

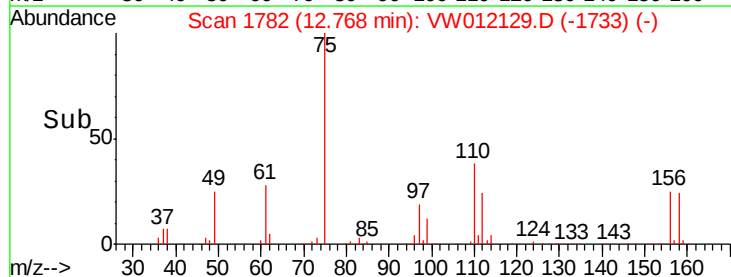
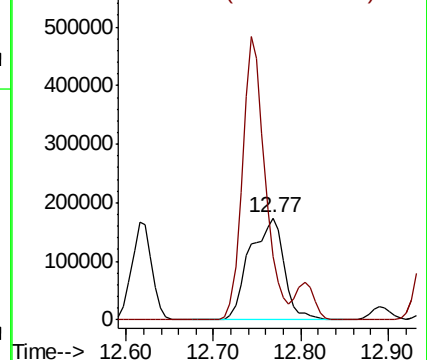
75 100

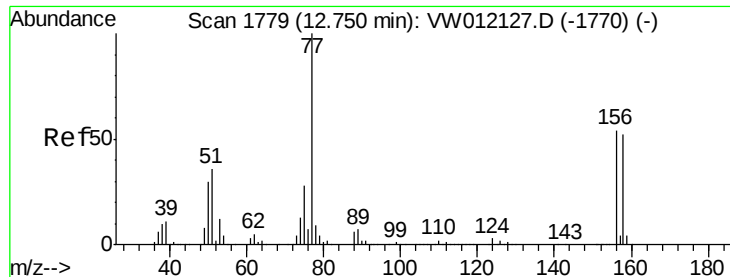
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 159.737 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

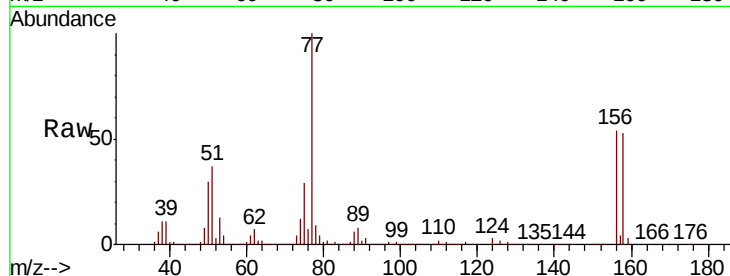
Tgt Ion:156 Resp: 408691

Ion Ratio Lower Upper

156 100

77 214.7 107.3 321.8

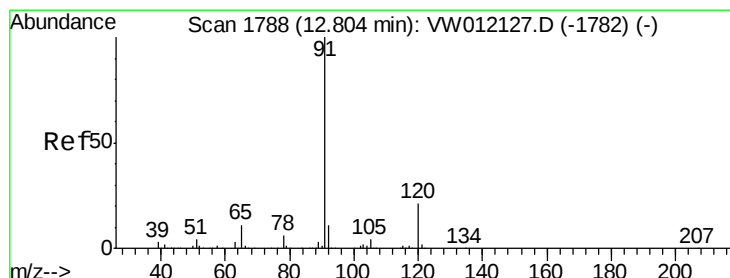
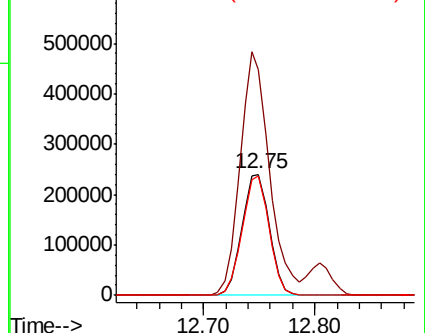
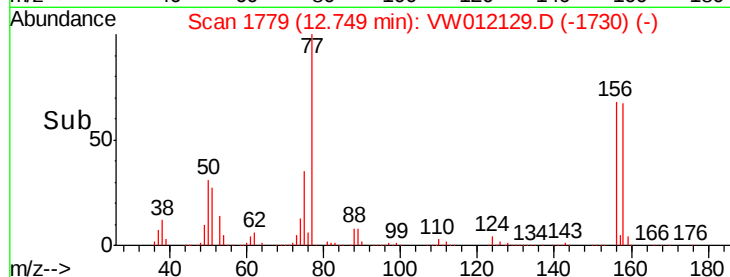
158 96.7 49.0 147.0



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: 159.896 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012129.D

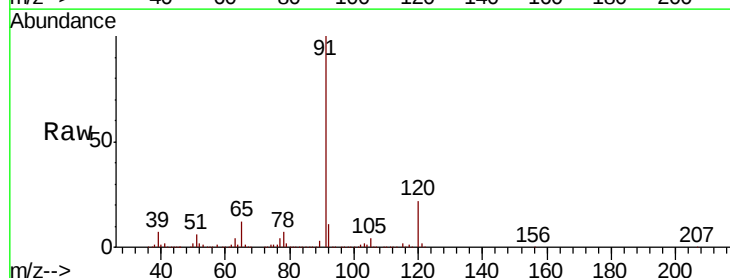
Acq: 23 Aug 2019 11:55

Tgt Ion: 91 Resp: 2308524

Ion Ratio Lower Upper

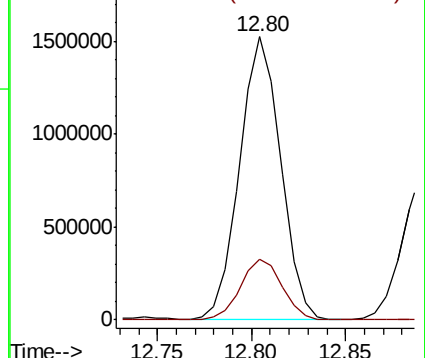
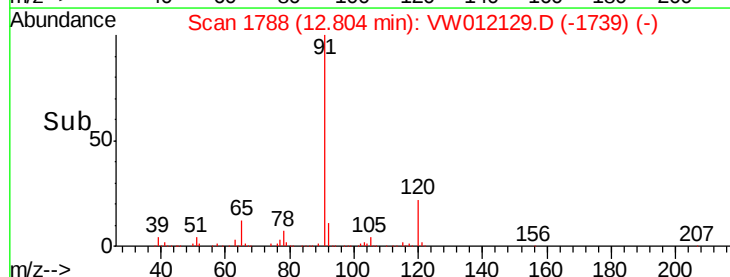
91 100

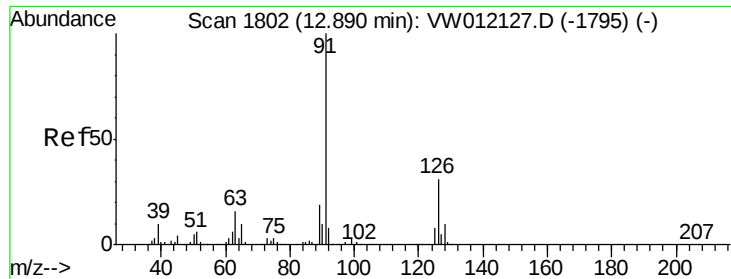
120 21.7 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 158.655 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

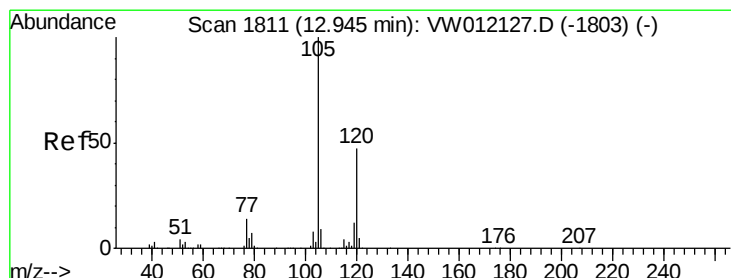
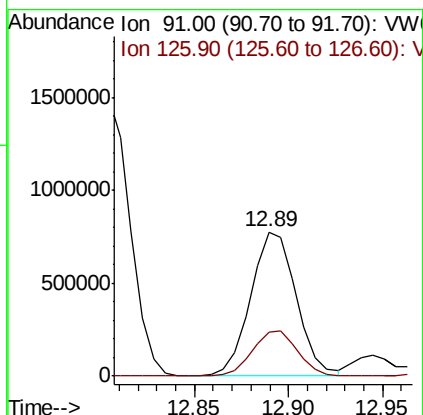
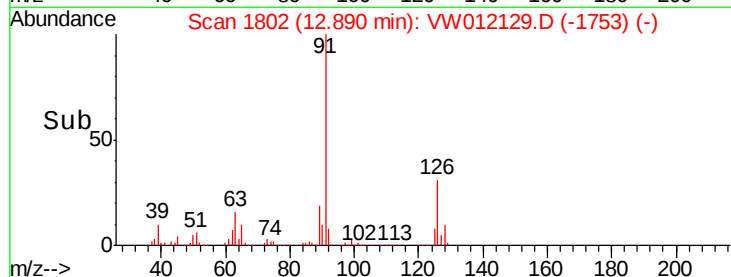
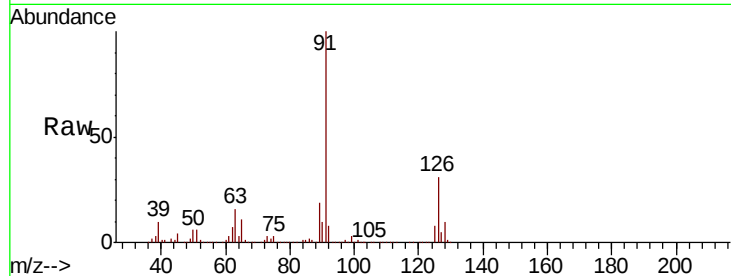
VSTDIC150

Tgt Ion: 91 Resp: 1300480

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 159.566 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012129.D

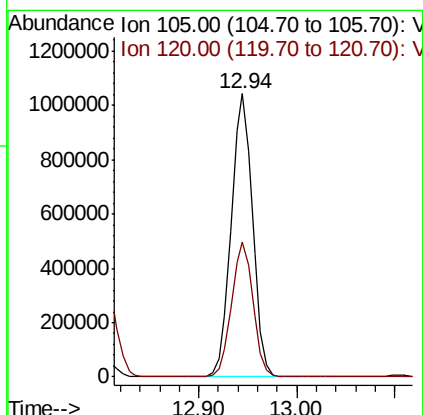
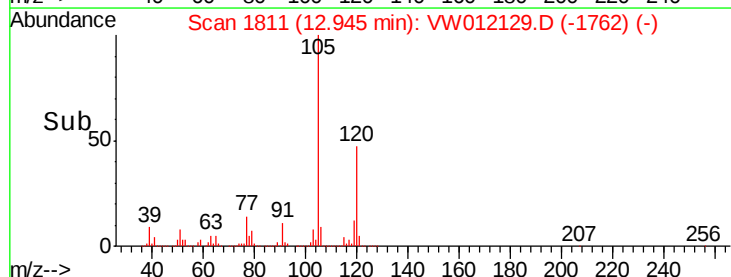
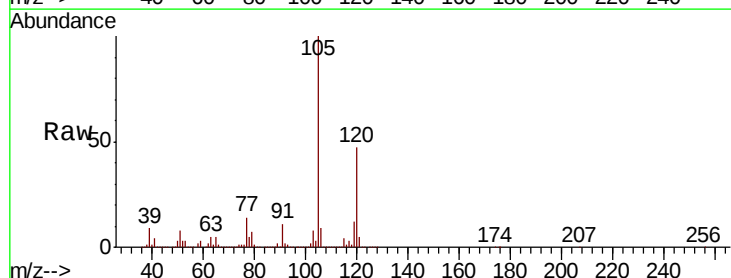
Acq: 23 Aug 2019 11:55

Tgt Ion: 105 Resp: 1576853

Ion Ratio Lower Upper

105 100

120 47.7 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 181.040 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

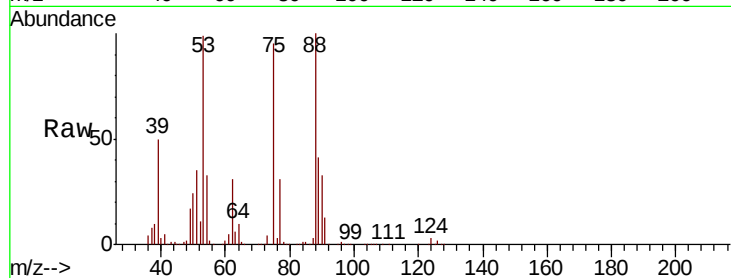
Tgt Ion: 75 Resp: 126924

Ion Ratio Lower Upper

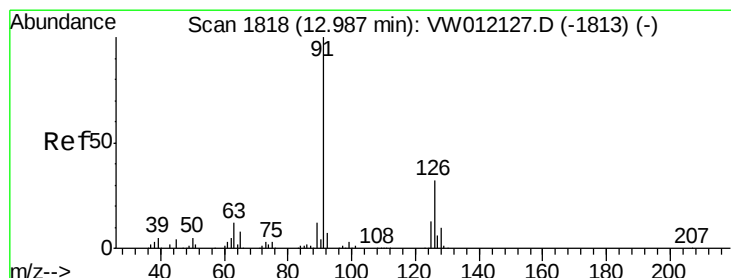
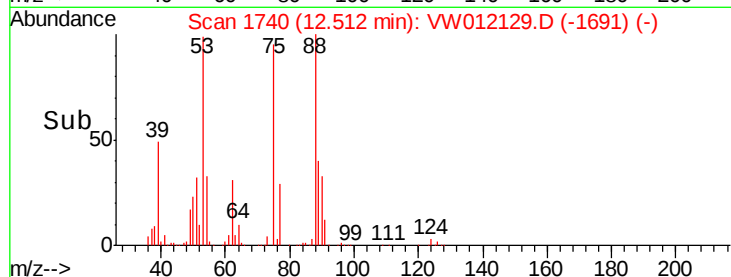
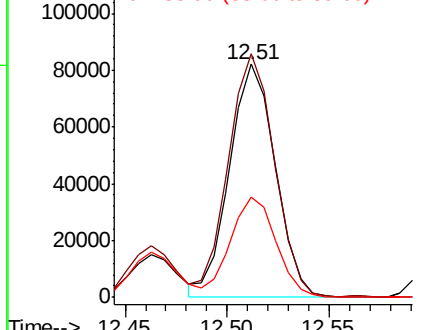
75 100

53 105.8 89.4 134.0

89 43.0 34.5 51.7



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



#82

4-Chlorotoluene

Concen: 156.128 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012129.D

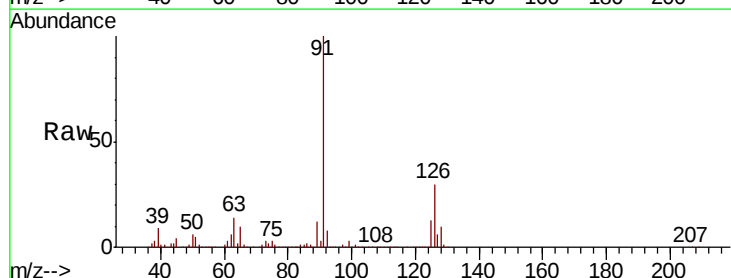
Acq: 23 Aug 2019 11:55

Tgt Ion: 91 Resp: 1340009

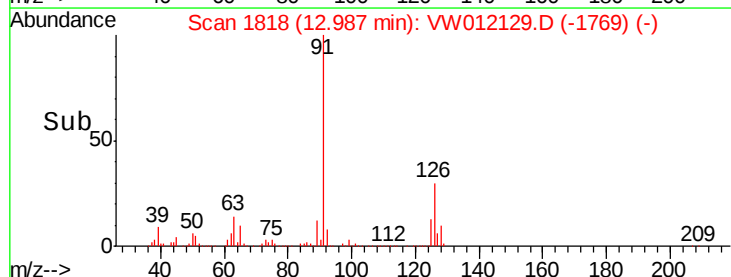
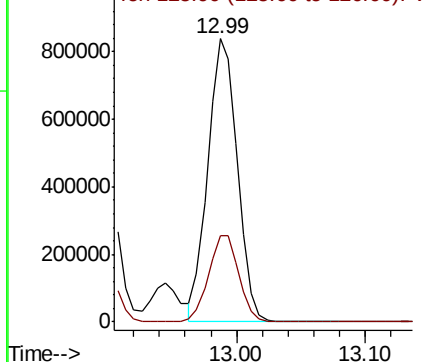
Ion Ratio Lower Upper

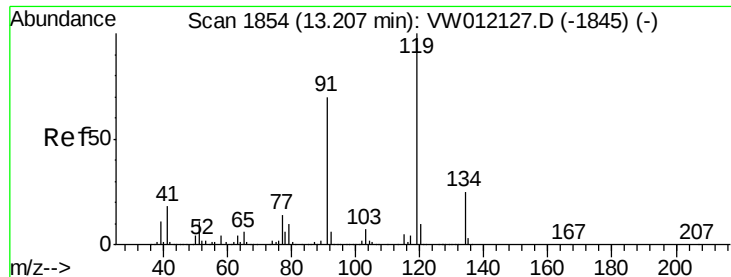
91 100

126 31.5 15.6 46.8



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

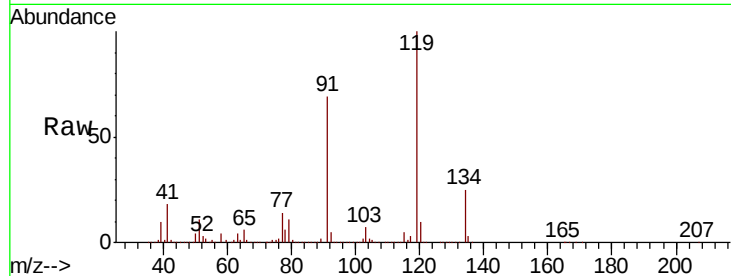




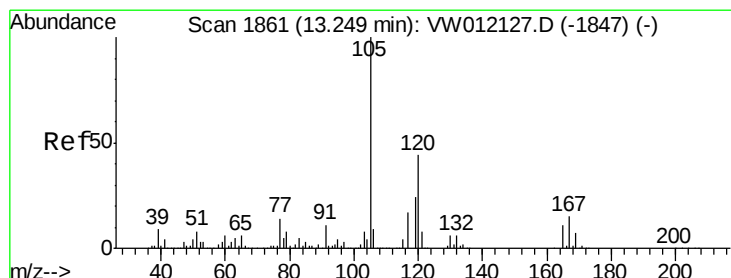
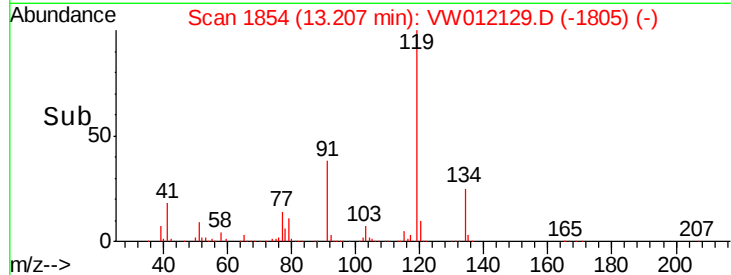
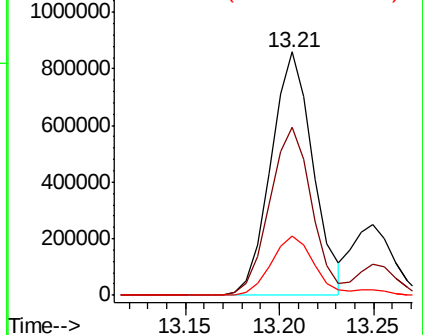
#83
tert-Butylbenzene
Concen: 159.505 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:119 Resp: 1335217
Ion Ratio Lower Upper
119 100
91 68.7 34.8 104.3
134 24.7 13.3 39.8

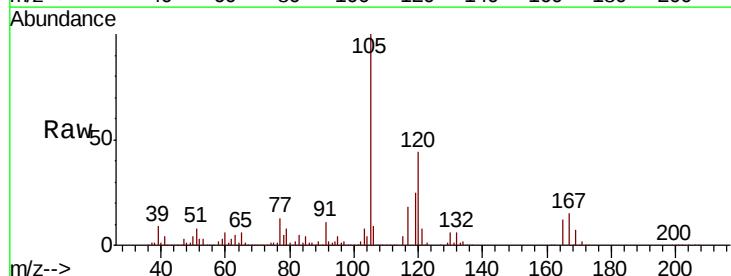


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

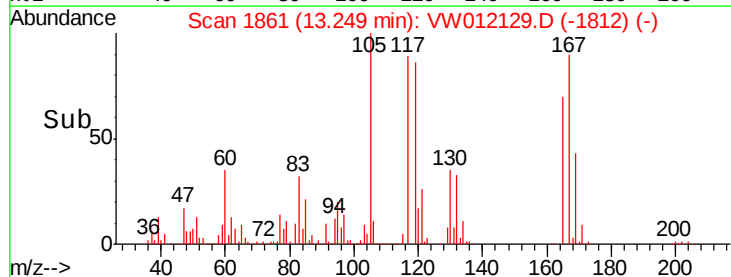
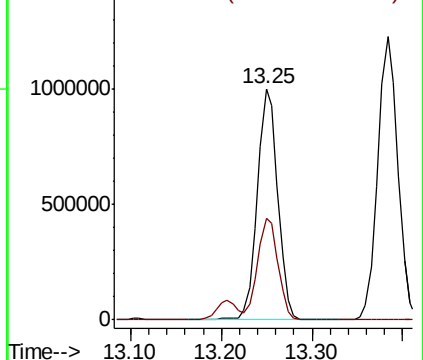


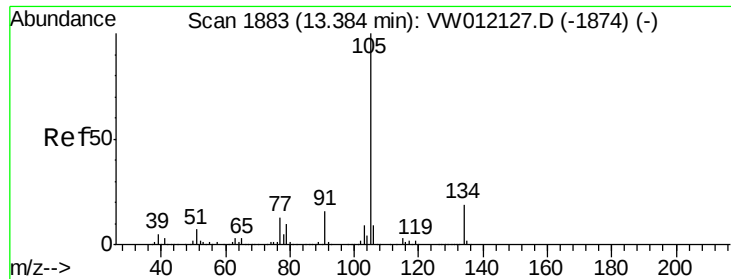
#84
1,2,4-Trimethylbenzene
Concen: 157.168 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion:105 Resp: 1560184
Ion Ratio Lower Upper
105 100
120 44.1 21.9 65.7



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

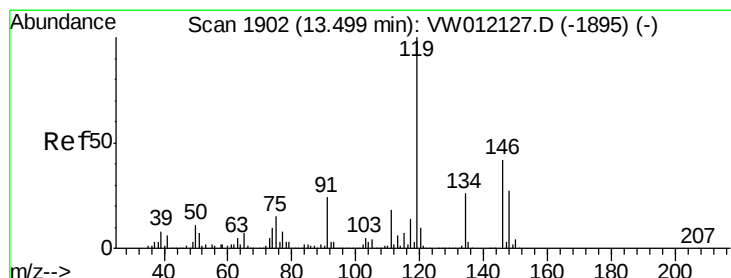
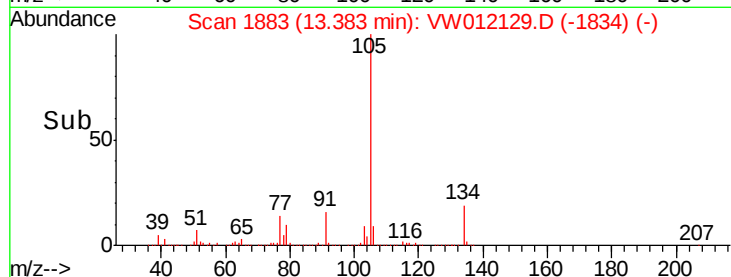
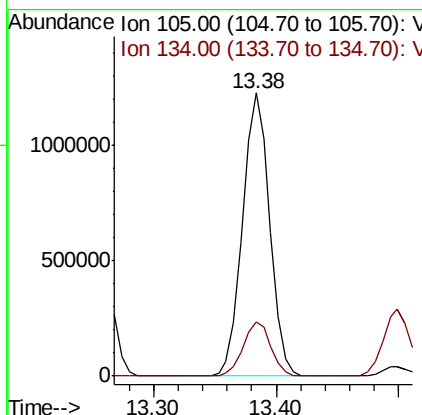
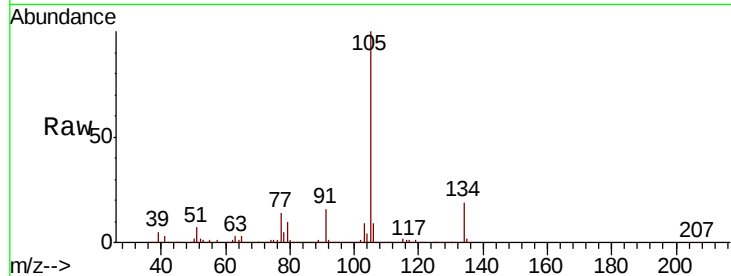




#85
 sec-Butylbenzene
 Concen: 157.174 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

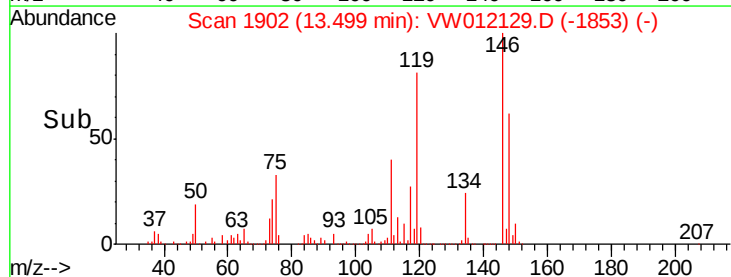
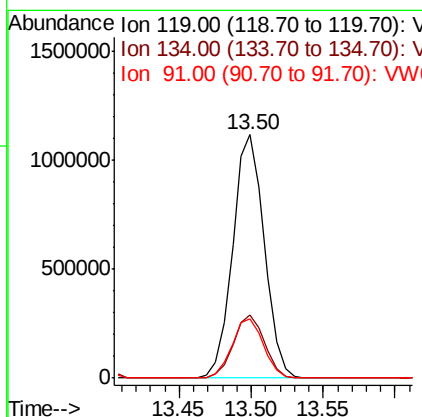
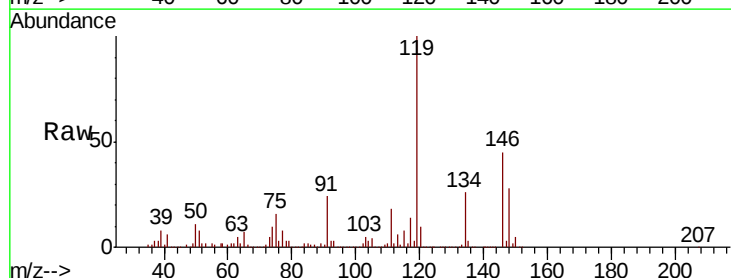
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 1884977
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 157.876 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion:119 Resp: 1690912
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.8 38.3
 91 24.7 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 155.235 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

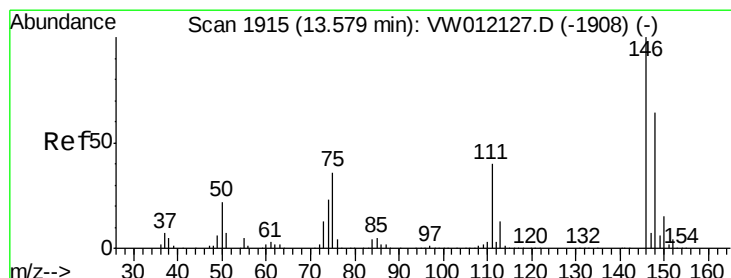
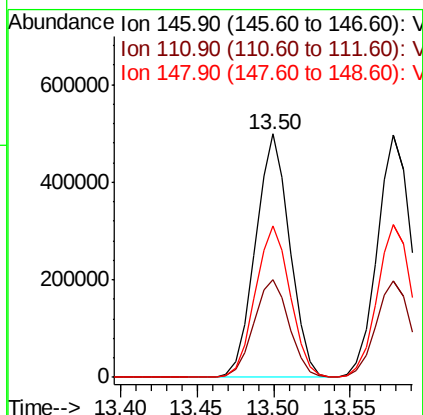
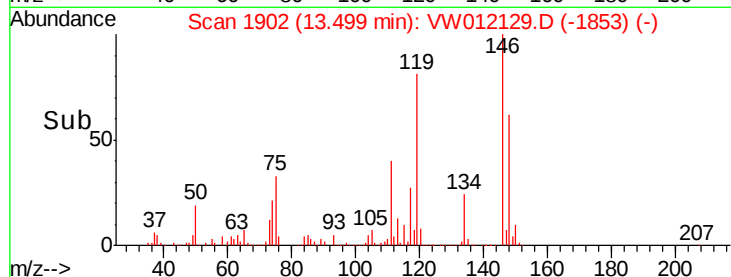
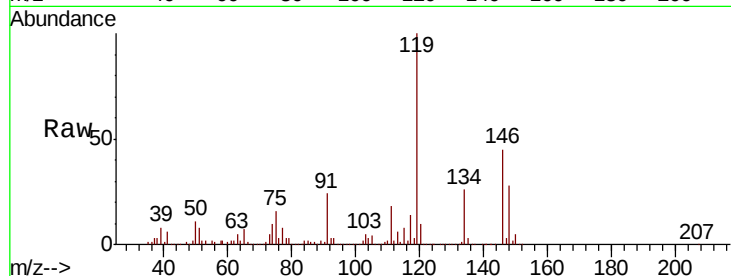
Tgt Ion:146 Resp: 776853

Ion Ratio Lower Upper

146 100

111 41.1 20.9 62.7

148 63.5 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 154.625 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

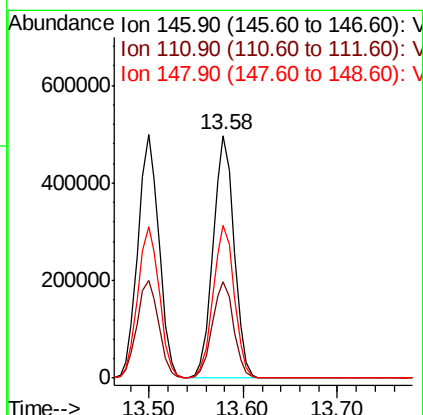
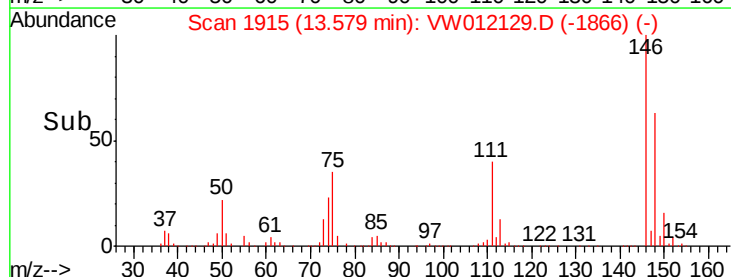
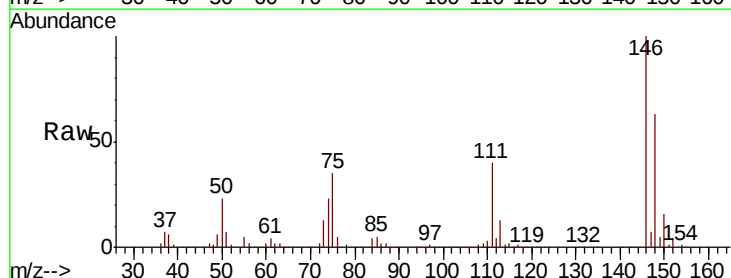
Tgt Ion:146 Resp: 768328

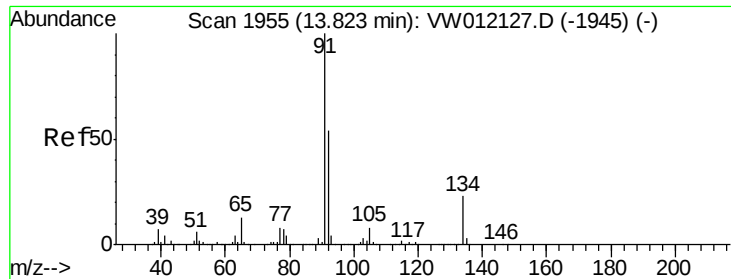
Ion Ratio Lower Upper

146 100

111 40.3 20.0 60.0

148 63.5 32.1 96.3





#89

n-Butylbenzene

Concen: 160.797 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012129.D

Acq: 23 Aug 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

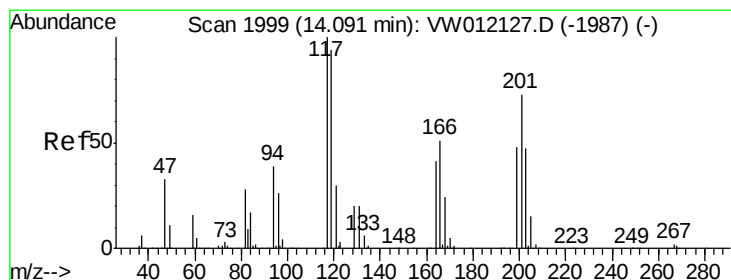
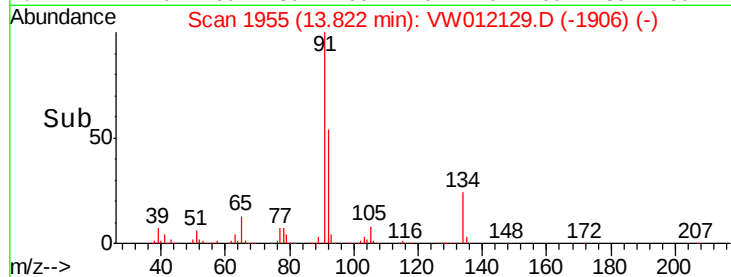
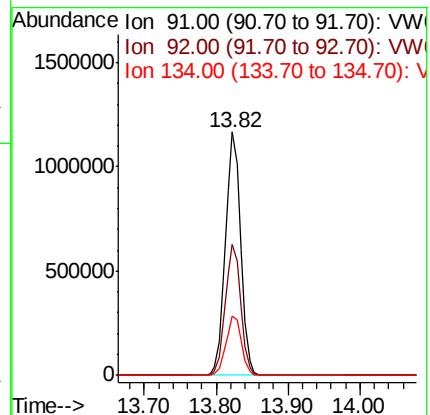
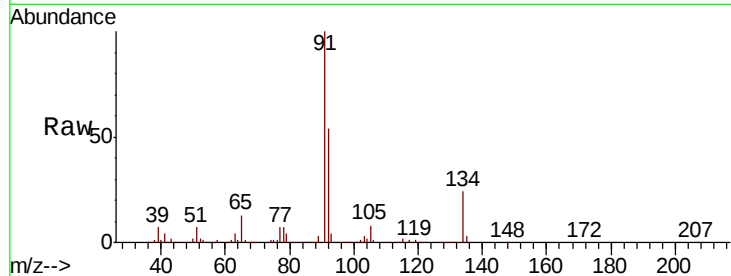
Tgt Ion: 91 Resp: 1712618

Ion Ratio Lower Upper

91 100

92 54.4 27.1 81.2

134 24.6 12.2 36.4



#90

Hexachloroethane

Concen: 164.468 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012129.D

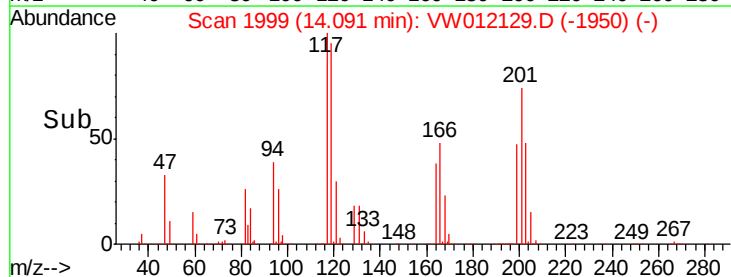
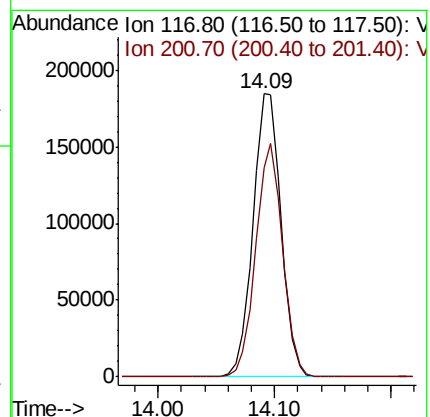
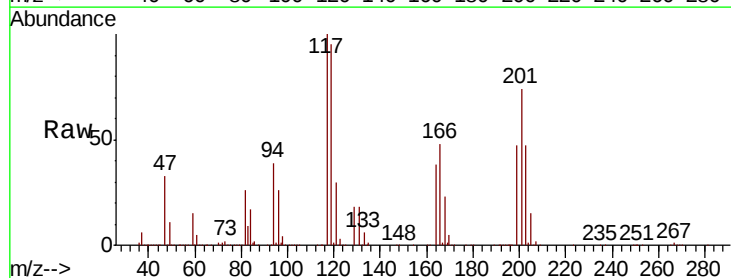
Acq: 23 Aug 2019 11:55

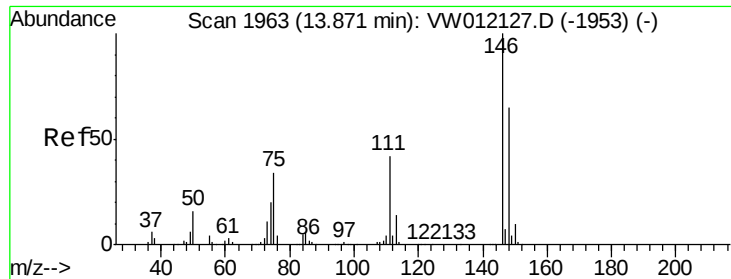
Tgt Ion: 117 Resp: 309053

Ion Ratio Lower Upper

117 100

201 79.2 38.6 115.7

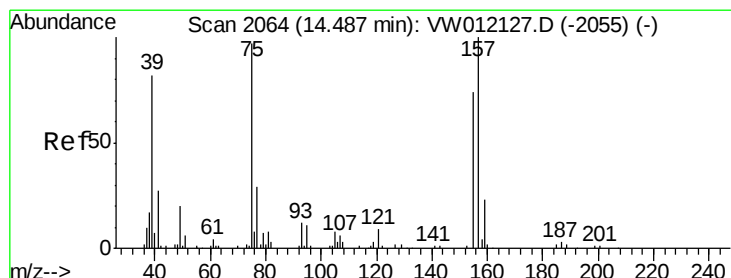
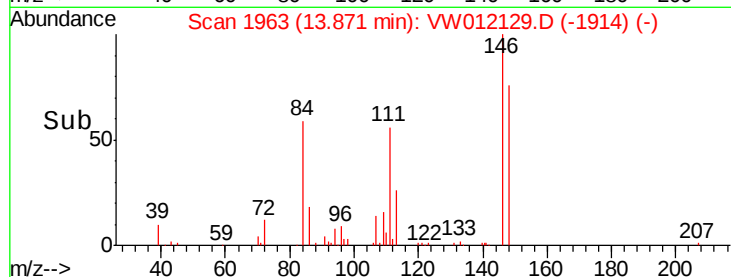
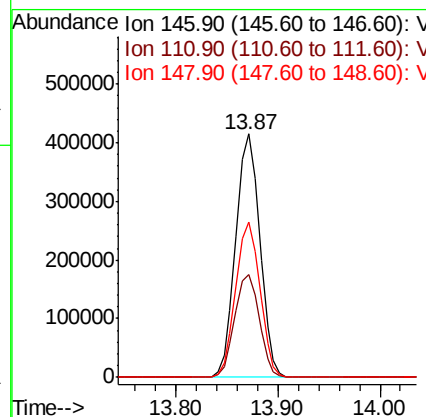
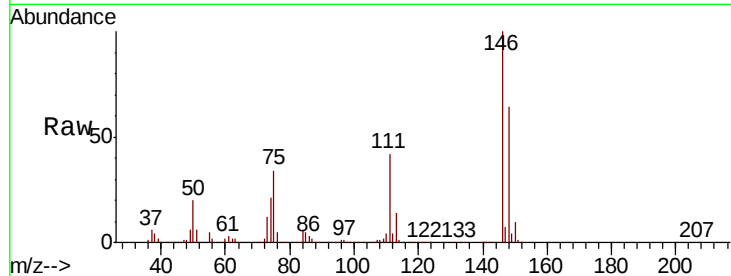




#91
 1,2-Dichlorobenzene
 Concen: 154.369 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

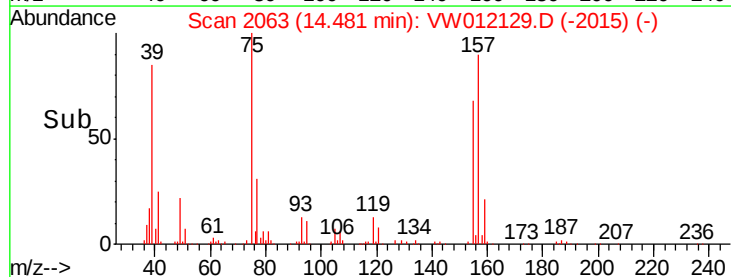
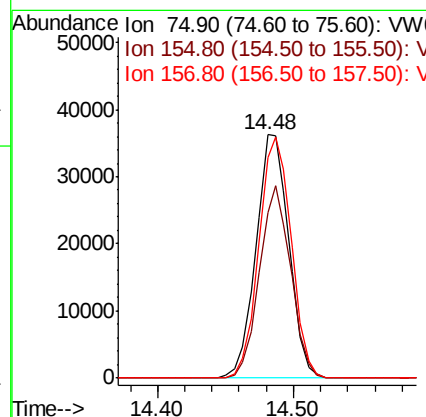
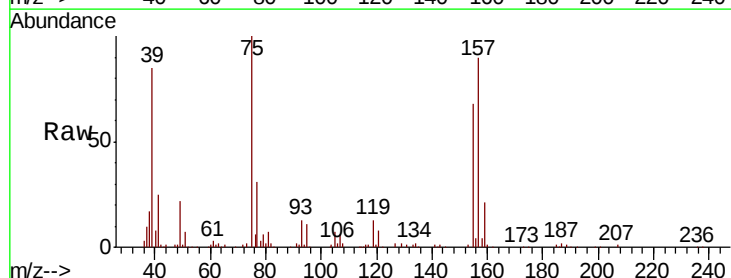
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

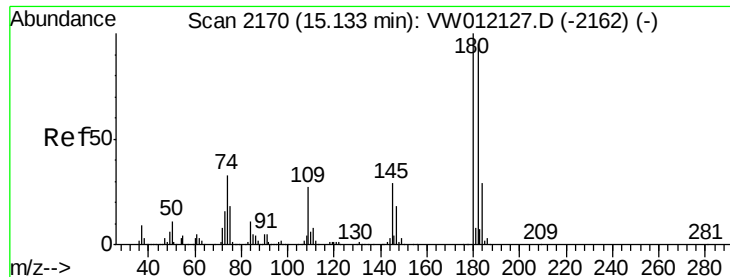
Tgt Ion: 146 Resp: 677700
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.2 63.6
 148 64.2 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 168.243 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion: 75 Resp: 61495
 Ion Ratio Lower Upper
 75 100
 155 75.0 37.5 112.3
 157 97.4 50.5 151.5

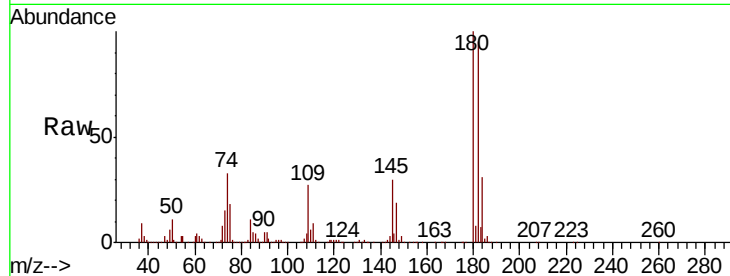




#93
 1,2,4-Trichlorobenzene
 Concen: 169.847 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.8	143.4
145	30.0	15.0	45.1

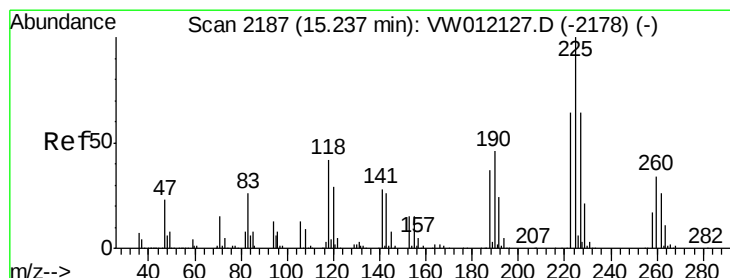
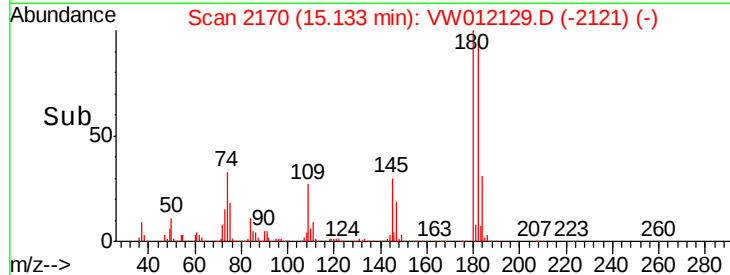
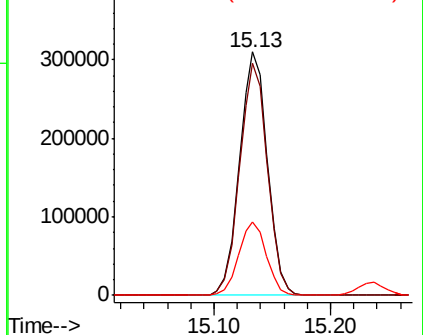


Abundance

Ion 179.80 (179.50 to 180.50): V

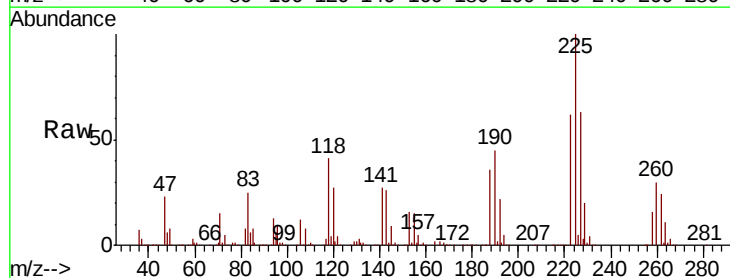
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 159.472 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012129.D
 Acq: 23 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.3	96.8
227	62.4	32.9	98.6

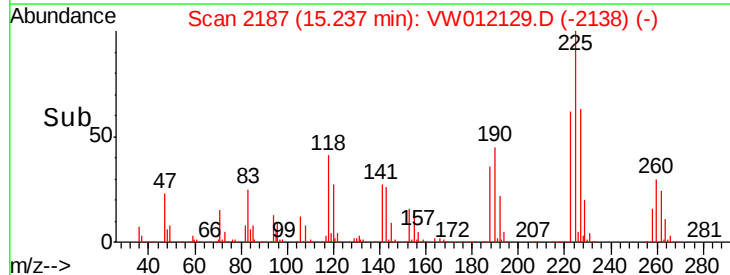
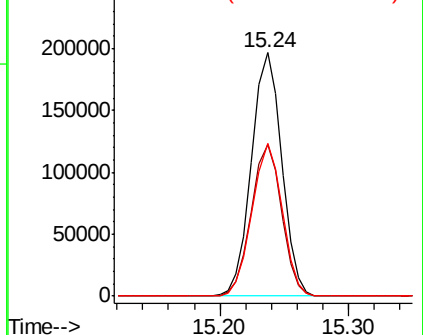


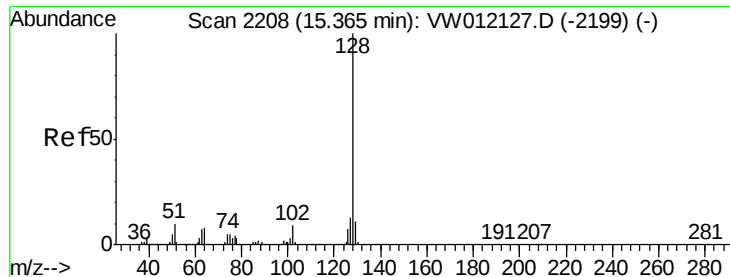
Abundance

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

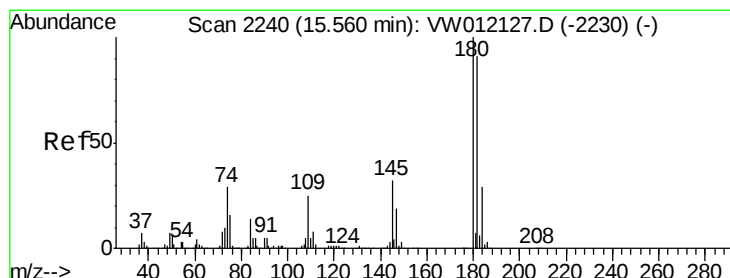
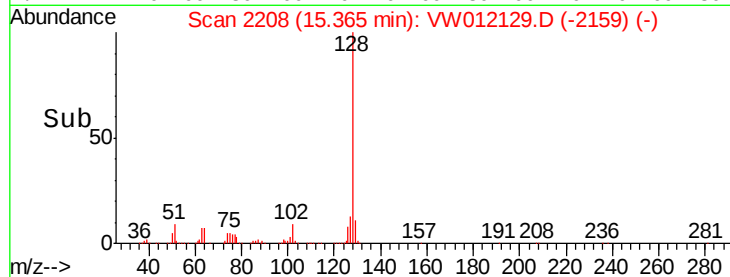
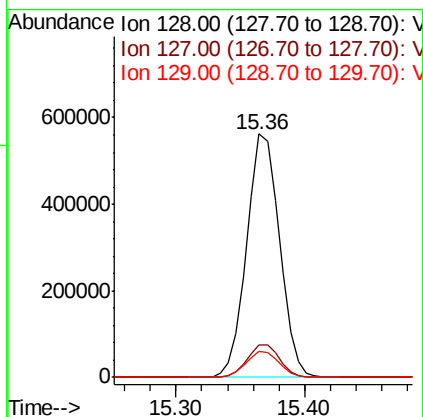
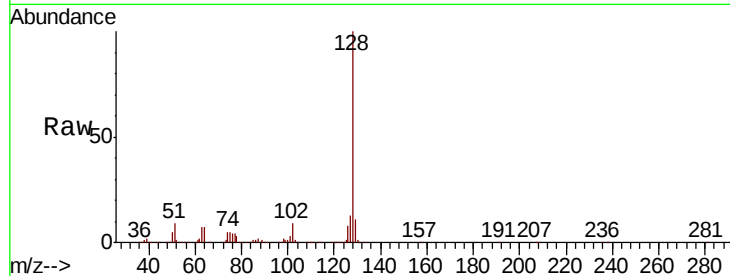




#95
Naphthalene
Concen: 186.433 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 990431
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 168.745 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012129.D
Acq: 23 Aug 2019 11:55

Tgt Ion:180 Resp: 446662
Ion Ratio Lower Upper
180 100
182 96.2 47.1 141.3
145 32.2 16.2 48.5

