

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012126.D
 Acq On : 23 Aug 2019 10:37
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 26 07:07:33 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	266554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	428874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	365857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174368	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	61563	19.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.86%	
35) Dibromofluoromethane	7.88	113	48828	19.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.14%	
50) Toluene-d8	10.32	98	201196	19.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.76%	
62) 4-Bromofluorobenzene	12.62	95	69615	19.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.06%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	26546	16.174	ug/l 99
3) Chloromethane	2.21	50	45368	17.842	ug/l 99
4) Vinyl Chloride	2.36	62	56974	18.306	ug/l 98
5) Bromomethane	2.77	94	27390	17.377	ug/l 97
6) Chloroethane	2.92	64	31778	18.100	ug/l 99
7) Trichlorofluoromethane	3.25	101	28409	18.179	ug/l 98
8) Diethyl Ether	3.68	74	28022	18.891	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	48973	18.436	ug/l 97
10) Methyl Iodide	4.27	142	65741	18.291	ug/l 100
11) Tert butyl alcohol	5.17	59	17543	90.885	ug/l 99
12) 1,1-Dichloroethene	4.04	96	49114	18.370	ug/l 90
13) Acrolein	3.89	56	18855	105.042	ug/l 100
14) Allyl chloride	4.67	41	106620	18.653	ug/l 100
15) Acrylonitrile	5.37	53	70048	95.271	ug/l 99
16) Acetone	4.12	43	72371	89.349	ug/l 98
17) Carbon Disulfide	4.38	76	137280	16.989	ug/l 97
18) Methyl Acetate	4.67	43	39443	19.661	ug/l 98
19) Methyl tert-butyl Ether	5.42	73	84371	19.513	ug/l 100
20) Methylene Chloride	4.92	84	58060	18.961	ug/l 98
21) trans-1,2-Dichloroethene	5.42	96	54187	18.900	ug/l 97
22) Diisopropyl ether	6.31	45	209879	19.809	ug/l 98
23) Vinyl Acetate	6.26	43	626236	96.044	ug/l 99
24) 1,1-Dichloroethane	6.21	63	111584	19.343	ug/l 99
25) 2-Butanone	7.17	43	102722	93.327	ug/l 100
26) 2,2-Dichloropropane	7.17	77	62722	19.209	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	59045	19.275	ug/l 98
28) Bromochloromethane	7.51	49	52146	20.740	ug/l 100
29) Tetrahydrofuran	7.53	42	63430	96.054	ug/l 99
30) Chloroform	7.68	83	102796	19.477	ug/l 100
31) Cyclohexane	7.96	56	104283	18.271	ug/l 97
32) 1,1,1-Trichloroethane	7.87	97	80833	19.360	ug/l 99
36) 1,1-Dichloropropene	8.08	75	84154	18.988	ug/l 99
37) Ethyl Acetate	7.25	43	46827	19.281	ug/l 100
38) Carbon Tetrachloride	8.07	117	72918	19.009	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	91377	18.353	ug/l	99
40) Benzene	8.32	78	233802	19.320	ug/l	98
41) Methacrylonitrile	7.48	41	29204	20.460	ug/l	93
42) 1,2-Dichloroethane	8.40	62	74143	19.549	ug/l	99
43) Isopropyl Acetate	8.42	43	85003	18.896	ug/l	100
44) Trichloroethene	9.09	130	56126	19.078	ug/l	97
45) 1,2-Dichloropropane	9.37	63	63055	19.360	ug/l	95
46) Dibromomethane	9.46	93	28211	19.468	ug/l	98
47) Bromodichloromethane	9.65	83	73970	19.180	ug/l	97
48) Methyl methacrylate	9.43	41	40481	18.907	ug/l	96
49) 1,4-Dioxane	9.46	88	7782	350.792	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	220424	96.334	ug/l	99
52) Toluene	10.39	92	139905	19.244	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	74247	18.900	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	91189	19.224	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	39827	19.425	ug/l	98
56) Ethyl methacrylate	10.65	69	56736	19.013	ug/l	99
57) 1,3-Dichloropropane	10.93	76	75179	19.404	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	150716	98.413	ug/l	100
59) 2-Hexanone	10.97	43	152981	94.492	ug/l	100
60) Dibromochloromethane	11.13	129	43544	19.068	ug/l	99
61) 1,2-Dibromoethane	11.24	107	36648	19.186	ug/l	99
64) Tetrachloroethene	10.86	164	46400	19.562	ug/l	96
65) Chlorobenzene	11.66	112	140767	19.540	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	49363	19.641	ug/l	99
67) Ethyl Benzene	11.73	91	268705	19.363	ug/l	98
68) m/p-Xylenes	11.84	106	194994	39.008	ug/l	100
69) o-Xylene	12.16	106	90236	19.504	ug/l	99
70) Styrene	12.18	104	156214	19.507	ug/l	99
71) Bromoform	12.35	173	24453	19.529	ug/l #	97
73) Isopropylbenzene	12.46	105	254037	19.443	ug/l	100
74) N-amyl acetate	12.27	43	76039	19.263	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47373	19.777	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	62249	37.050	ug/l #	100
77) Bromobenzene	12.75	156	55167	19.517	ug/l	99
78) n-propylbenzene	12.80	91	311824	19.550	ug/l	99
79) 2-Chlorotoluene	12.89	91	176618	19.503	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	213944	19.596	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15049	19.429	ug/l	98
82) 4-Chlorotoluene	12.99	91	183548	19.357	ug/l	99
83) tert-Butylbenzene	13.21	119	179262	19.384	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	215906	19.687	ug/l	100
85) sec-Butylbenzene	13.38	105	257806	19.458	ug/l	100
86) p-Isopropyltoluene	13.50	119	229276	19.377	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	108052	19.544	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	107002	19.492	ug/l	99
89) n-Butylbenzene	13.82	91	227470	19.331	ug/l	100
90) Hexachloroethane	14.09	117	38764	18.672	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	94306	19.444	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7886	19.529	ug/l	93

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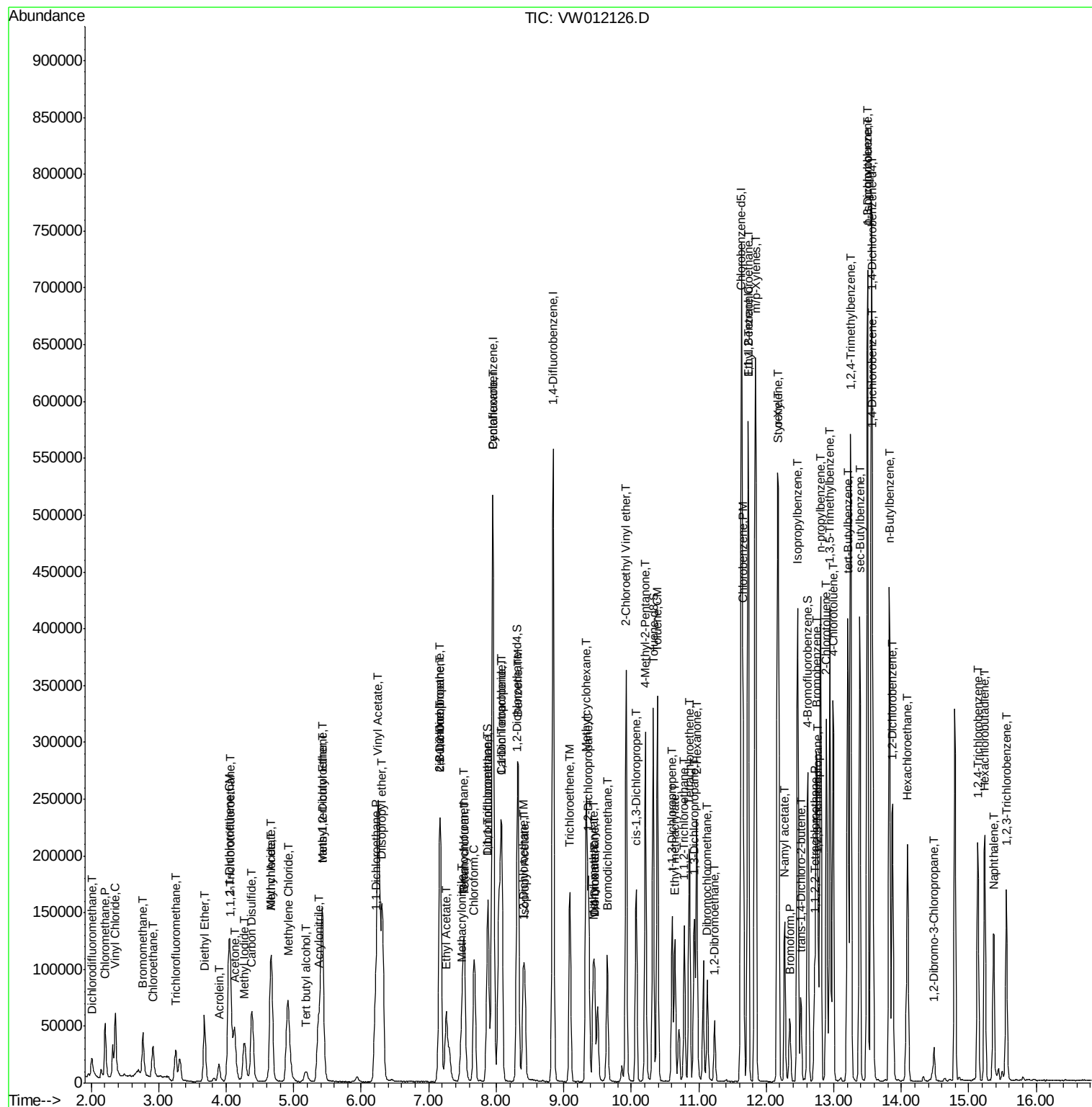
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	64140	19.136	ug/l	98
94) Hexachlorobutadiene	15.24	225	42491	19.199	ug/l	98
95) Naphthalene	15.37	128	109655	18.683	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	55050	18.825	ug/l	98

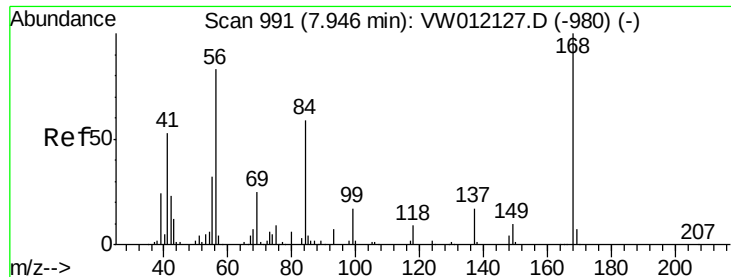
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

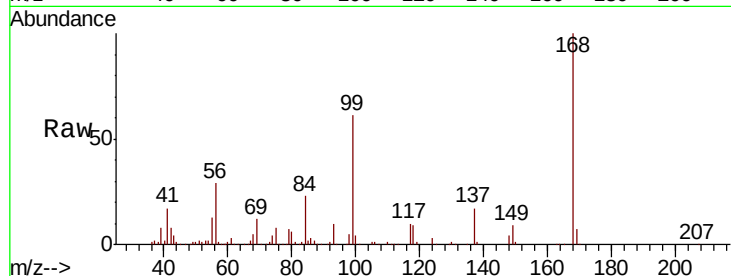
VSTDIC020

Tgt Ion:168 Resp: 266554

Ion Ratio Lower Upper

168 100

99 61.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

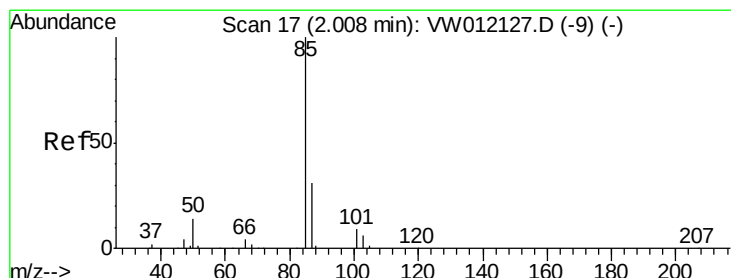
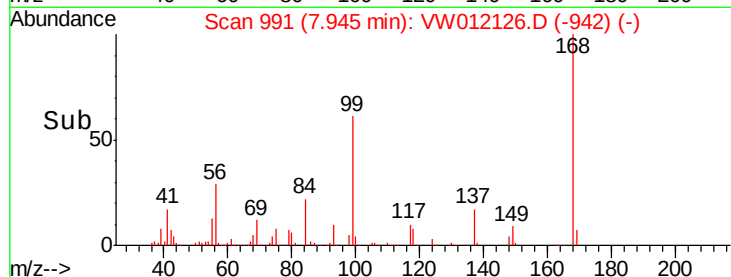
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.174 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012126.D

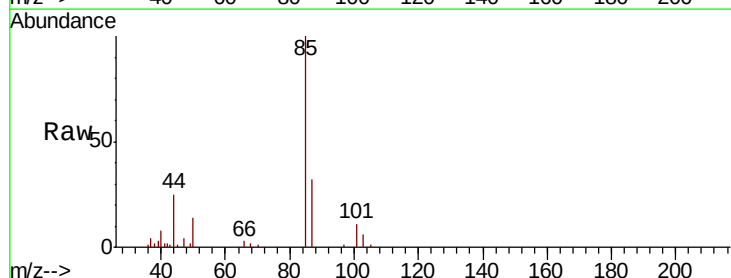
Acq: 23 Aug 2019 10:37

Tgt Ion: 85 Resp: 26546

Ion Ratio Lower Upper

85 100

87 31.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

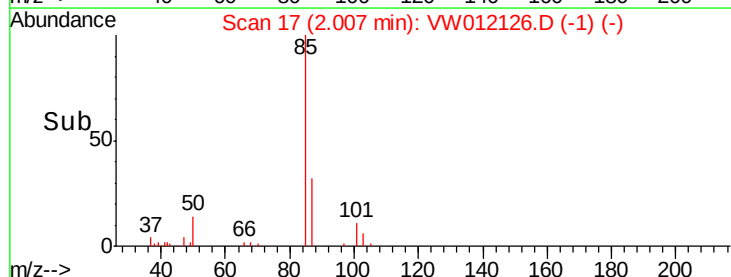
6000

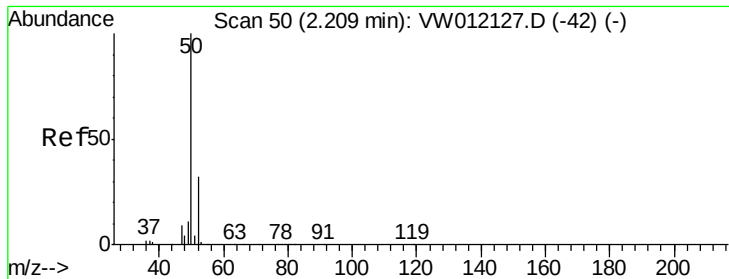
4000

2000

0

Time-->





#3

Chloromethane

Concen: 17.842 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

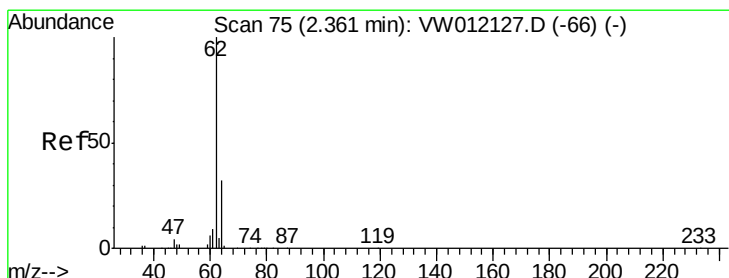
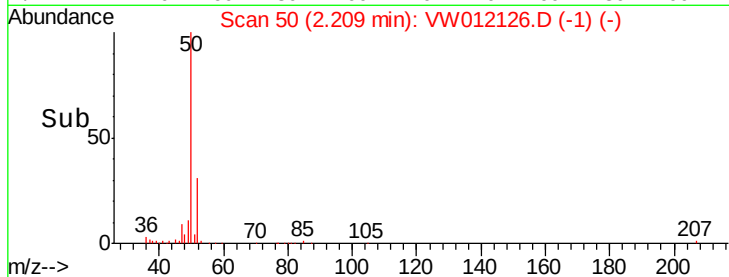
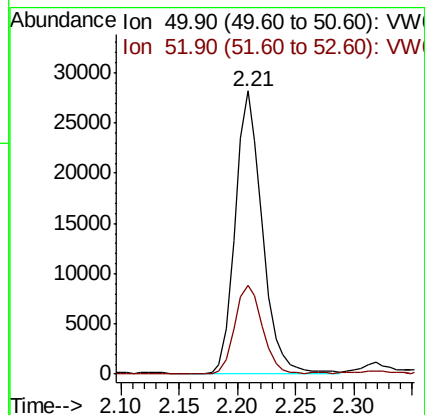
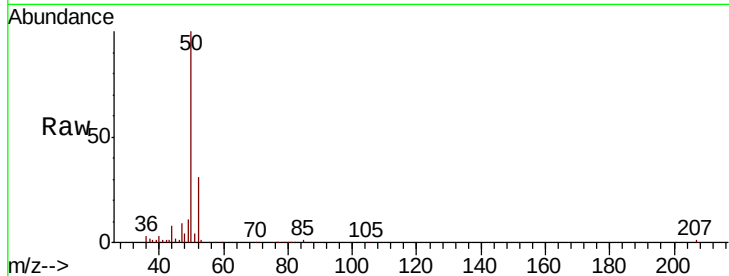
VSTDIC020

Tgt Ion: 50 Resp: 45368

Ion Ratio Lower Upper

50 100

52 31.5 25.5 38.3



#4

Vinyl Chloride

Concen: 18.306 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012126.D

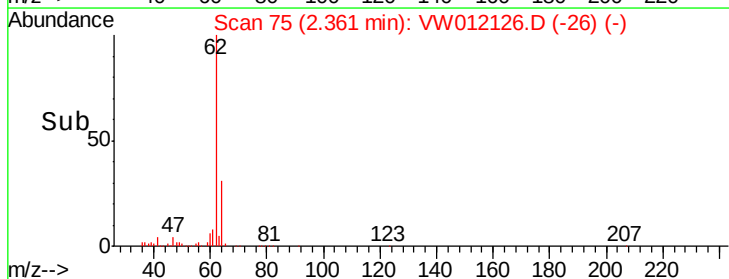
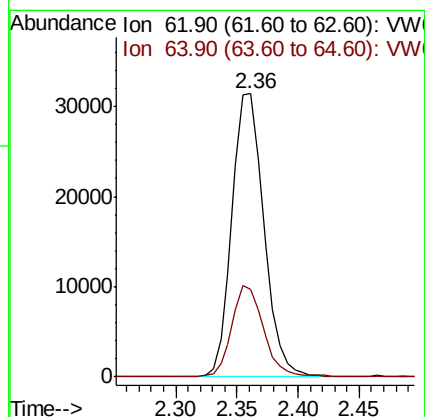
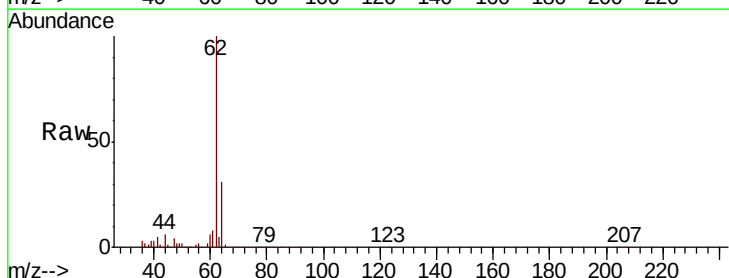
Acq: 23 Aug 2019 10:37

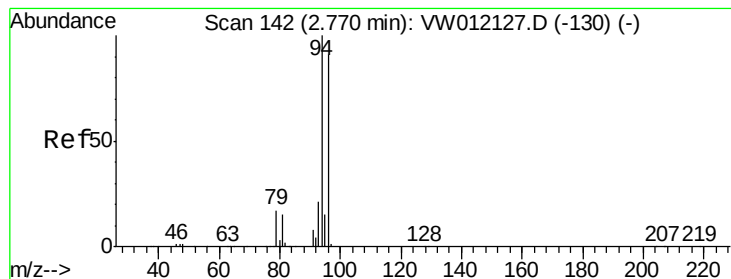
Tgt Ion: 62 Resp: 56974

Ion Ratio Lower Upper

62 100

64 30.7 25.3 37.9





#5

Bromomethane

Concen: 17.377 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

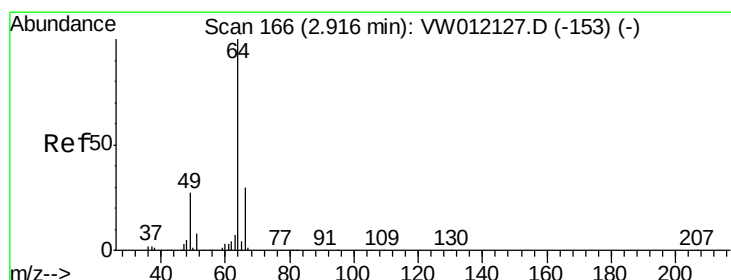
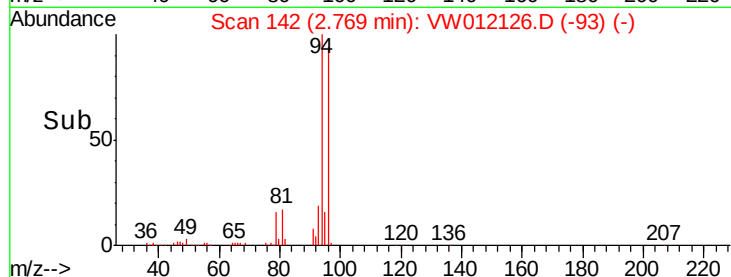
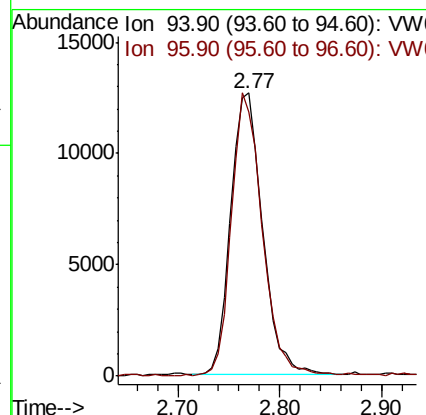
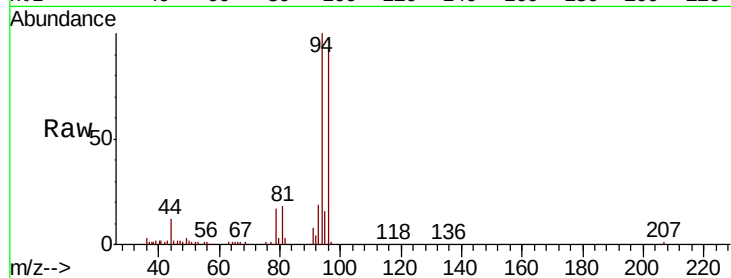
VSTDIC020

Tgt Ion: 94 Resp: 27390

Ion Ratio Lower Upper

94 100

96 93.9 72.9 109.3



#6

Chloroethane

Concen: 18.100 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012126.D

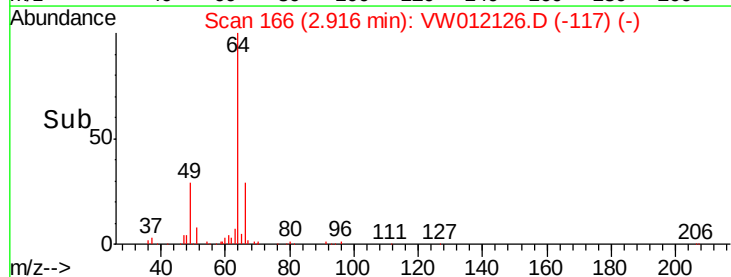
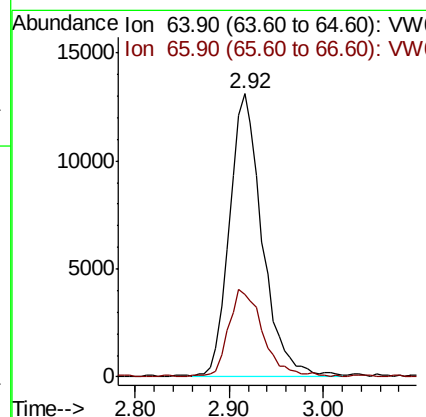
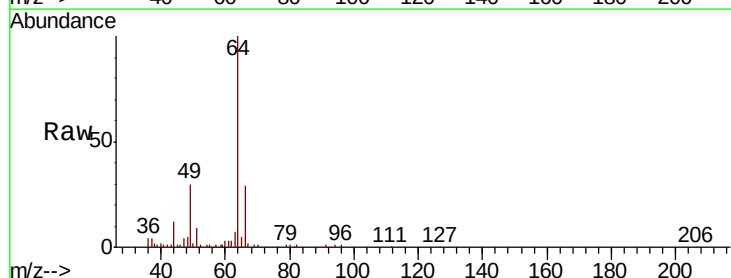
Acq: 23 Aug 2019 10:37

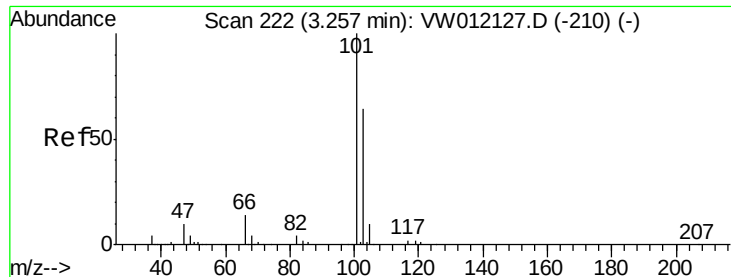
Tgt Ion: 64 Resp: 31778

Ion Ratio Lower Upper

64 100

66 29.3 23.8 35.8



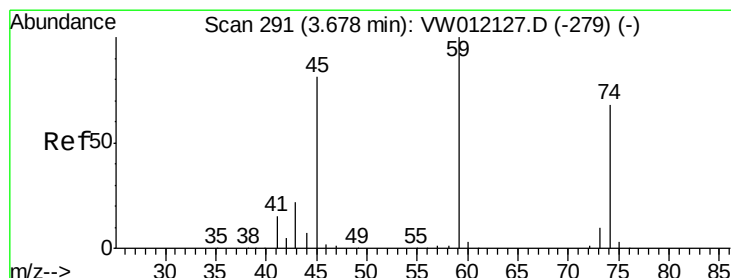
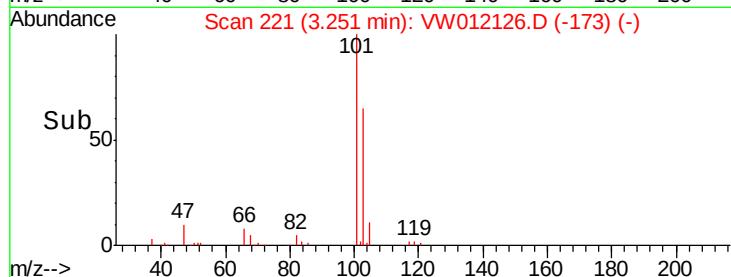
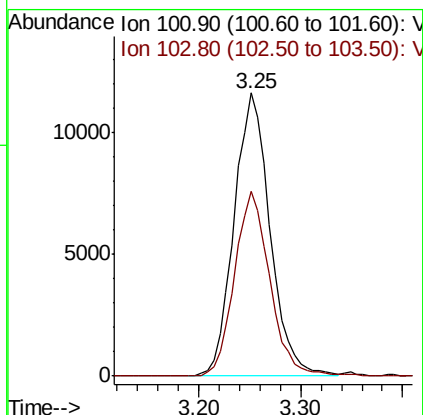
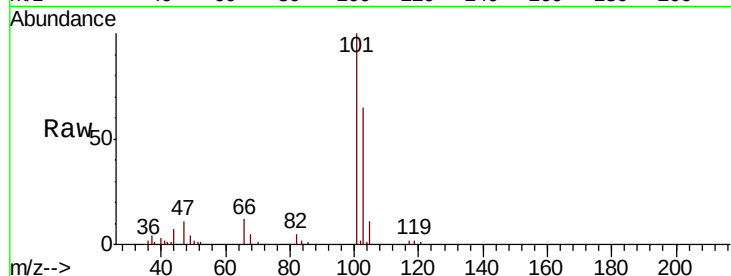


#7

Trichlorofluoromethane
 Concen: 18.179 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012126.D
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 VSTDIC020

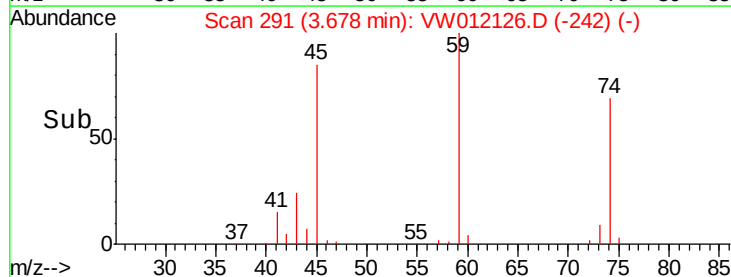
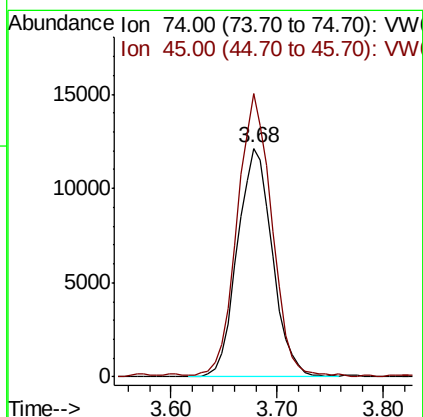
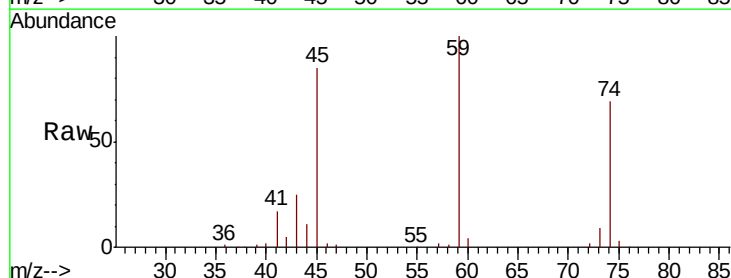
Tgt Ion:101 Resp: 28409
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.2 76.8

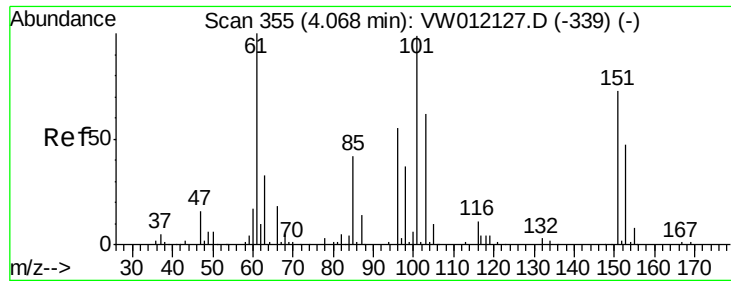


#8

Diethyl Ether
 Concen: 18.891 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion: 74 Resp: 28022
 Ion Ratio Lower Upper
 74 100
 45 123.2 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.436 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

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VSTDIC020

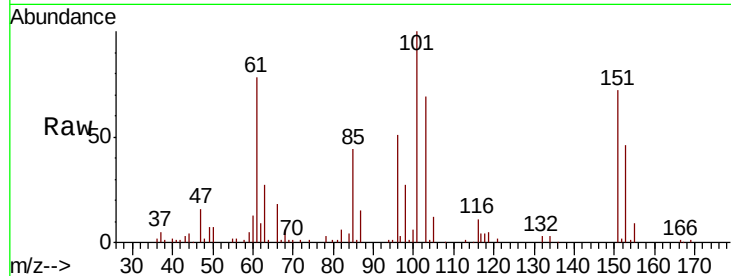
Tgt Ion:101 Resp: 48973

Ion Ratio Lower Upper

101 100

85 45.7 35.8 53.6

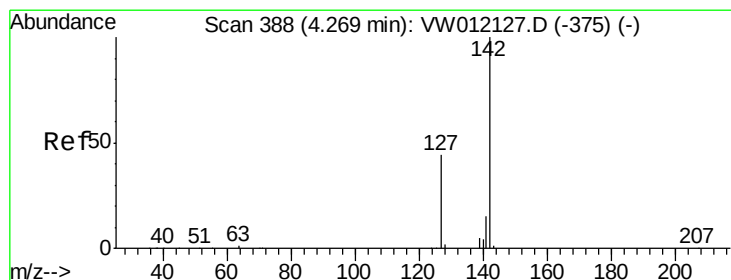
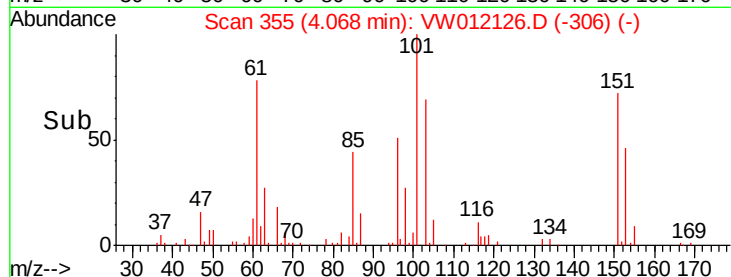
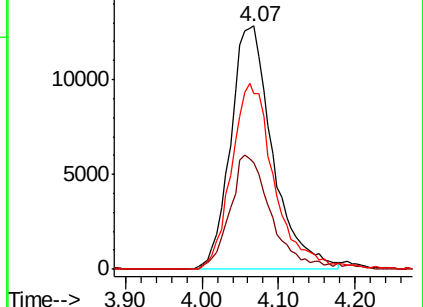
151 76.9 58.6 87.8



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: 18.291 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

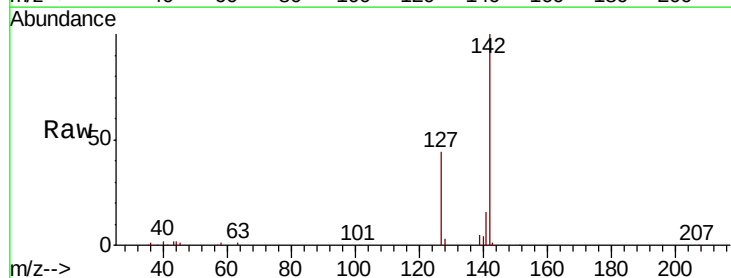
Tgt Ion:142 Resp: 65741

Ion Ratio Lower Upper

142 100

127 44.6 35.5 53.3

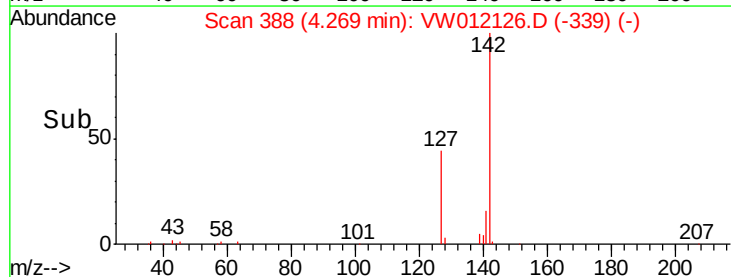
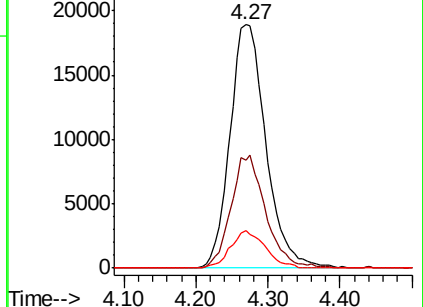
141 14.9 11.8 17.8

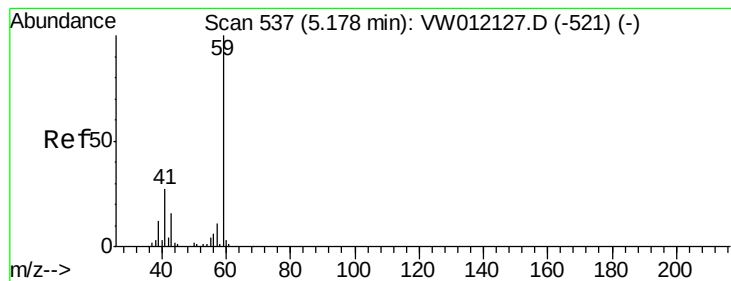


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



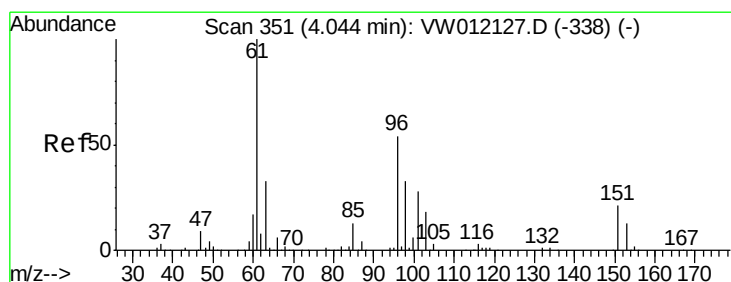
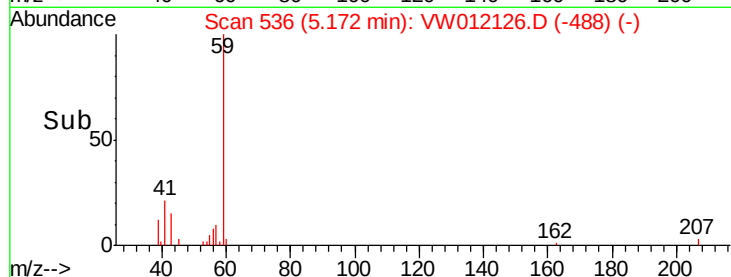
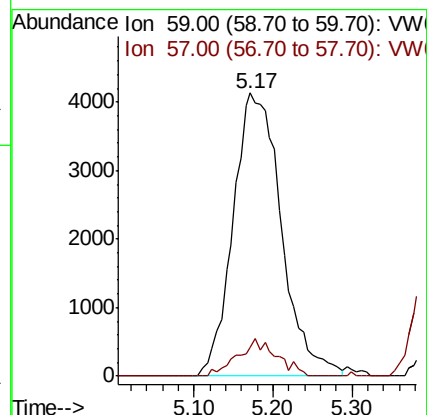
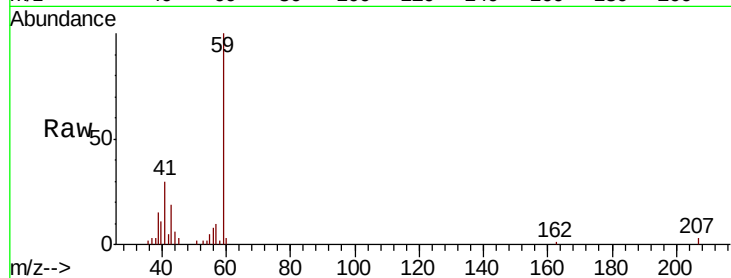


#11

Tert butyl alcohol
Concen: 90.885 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

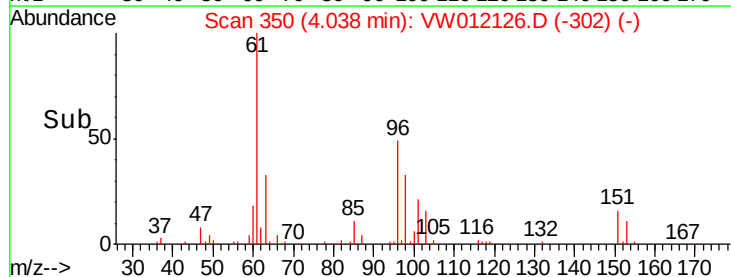
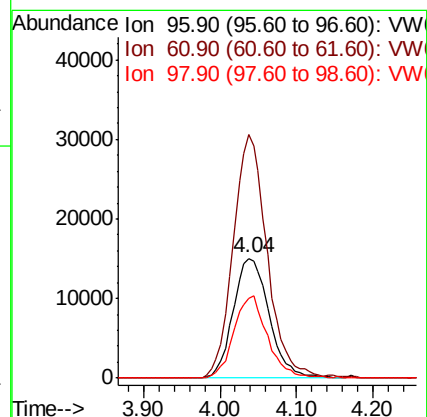
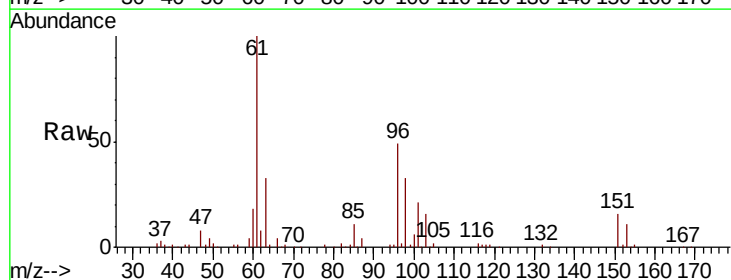
Tgt Ion: 59 Resp: 17543
Ion Ratio Lower Upper
59 100
57 10.7 9.0 13.4

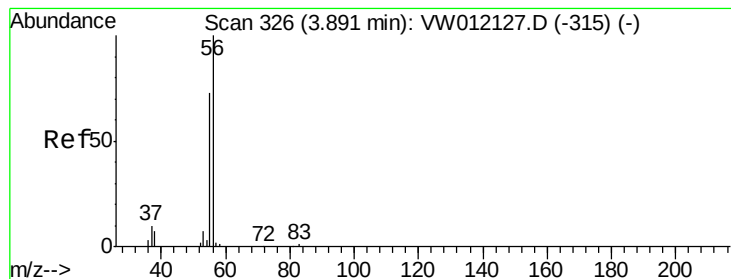


#12

1,1-Dichloroethene
Concen: 18.370 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 96 Resp: 49114
Ion Ratio Lower Upper
96 100
61 202.9 149.1 223.7
98 66.3 49.4 74.2





#13

Acrolein

Concen: 105.042 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

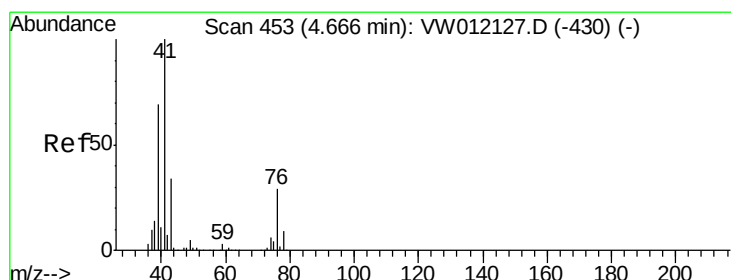
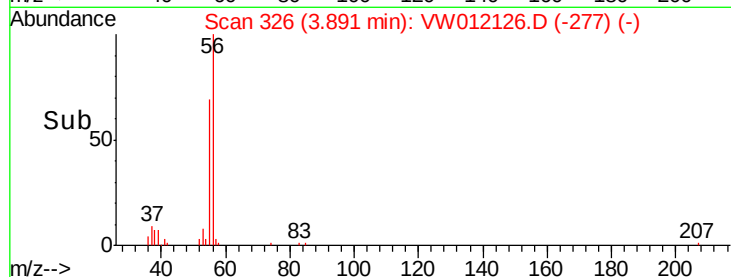
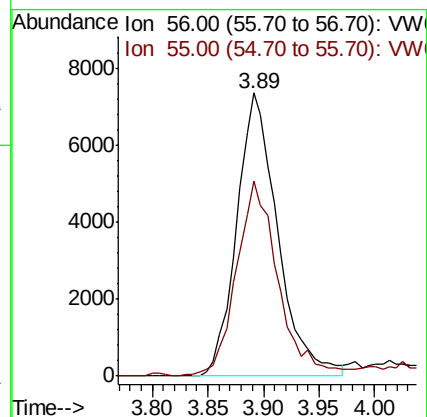
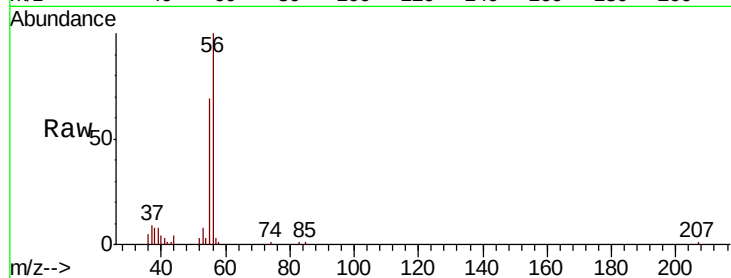
VSTDIC020

Tgt Ion: 56 Resp: 18855

Ion Ratio Lower Upper

56 100

55 70.0 55.8 83.8



#14

Allyl chloride

Concen: 18.653 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

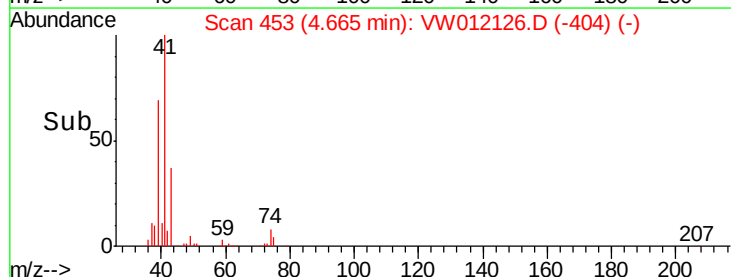
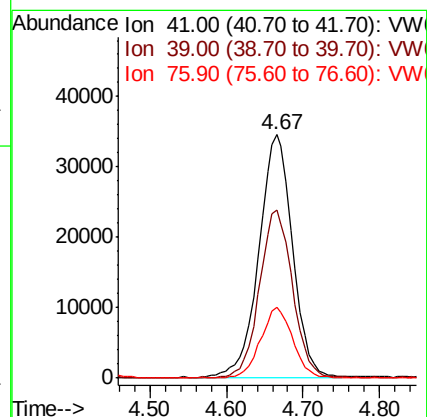
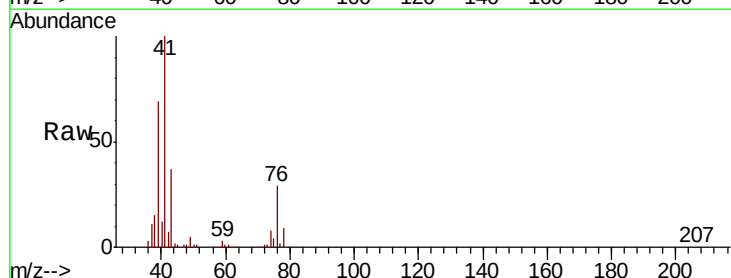
Tgt Ion: 41 Resp: 106620

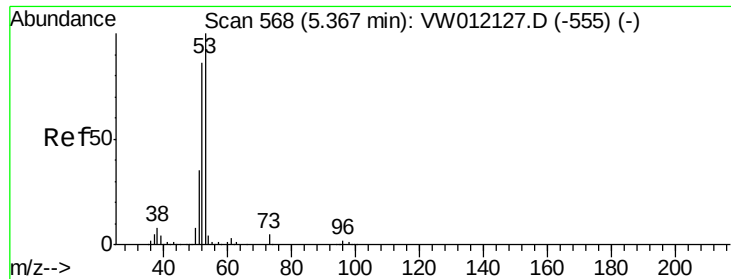
Ion Ratio Lower Upper

41 100

39 66.8 53.4 80.2

76 27.7 22.1 33.1





#15

Acrylonitrile

Concen: 95.271 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

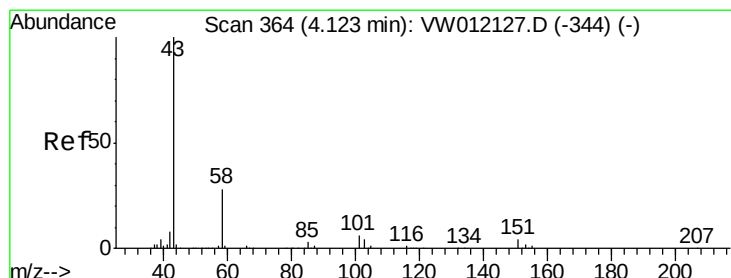
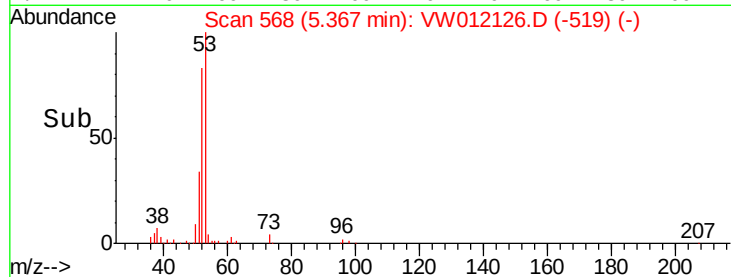
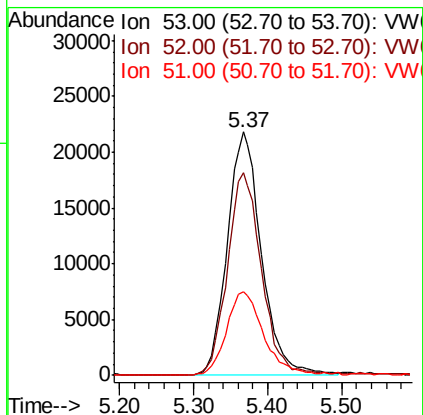
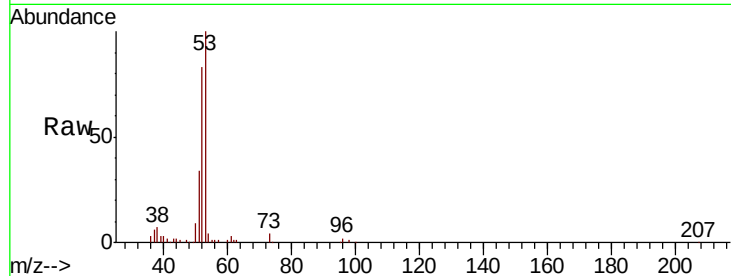
Tgt Ion: 53 Resp: 70048

Ion Ratio Lower Upper

53 100

52 83.0 66.7 100.1

51 37.2 30.1 45.1



#16

Acetone

Concen: 89.349 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012126.D

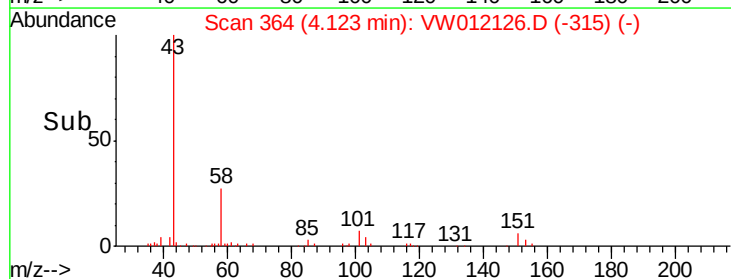
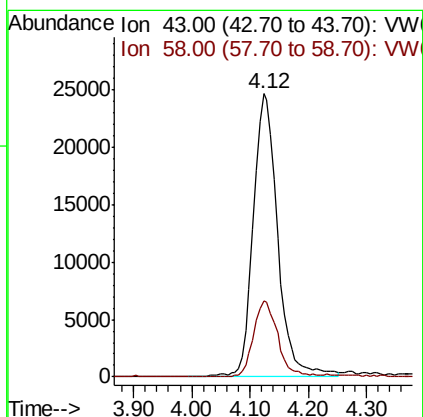
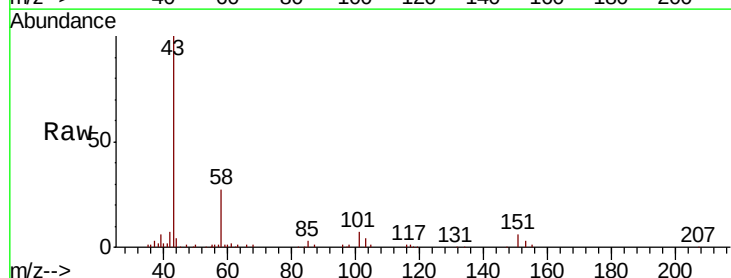
Acq: 23 Aug 2019 10:37

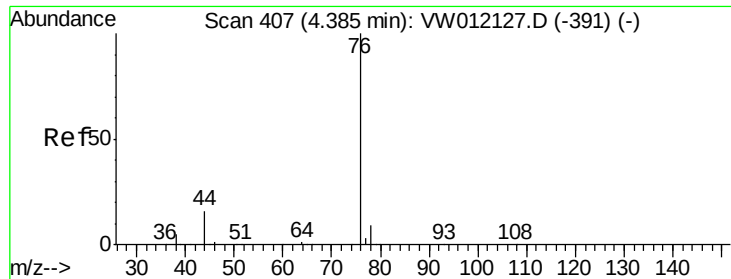
Tgt Ion: 43 Resp: 72371

Ion Ratio Lower Upper

43 100

58 26.8 22.4 33.6

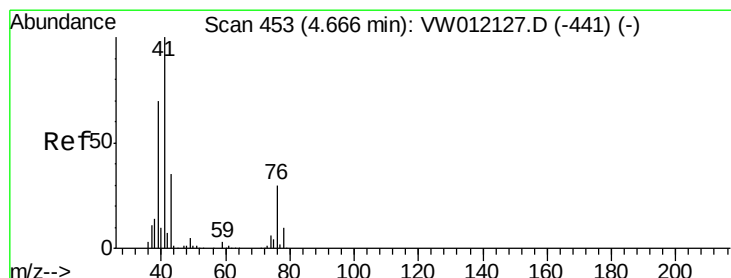
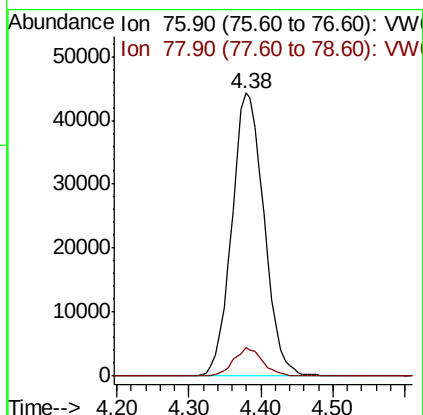
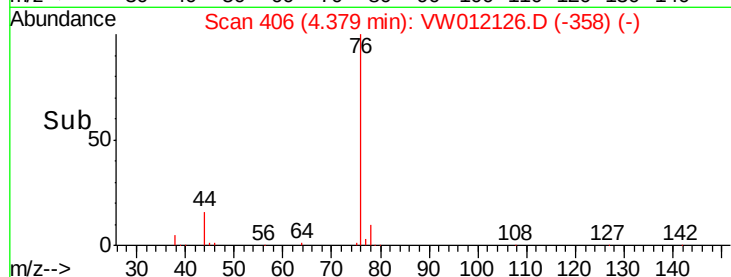
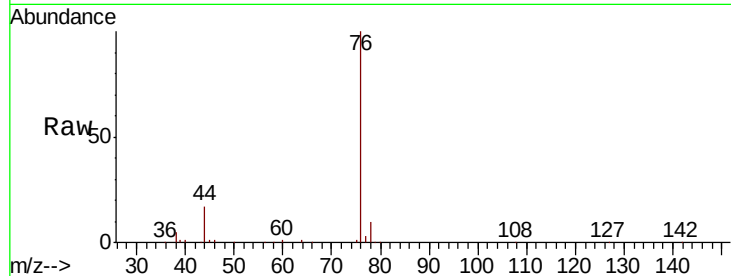




#17
Carbon Disulfide
Concen: 16.989 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

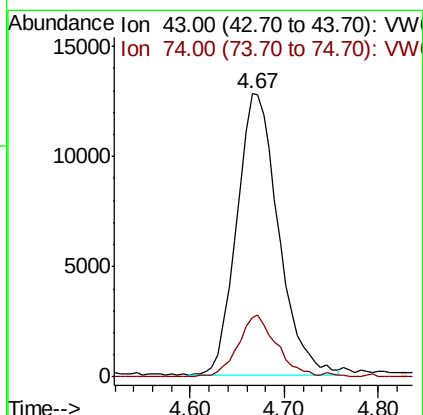
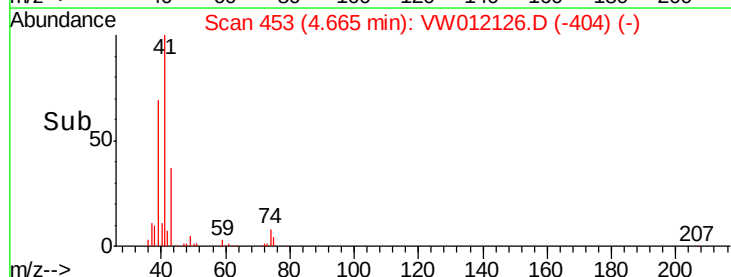
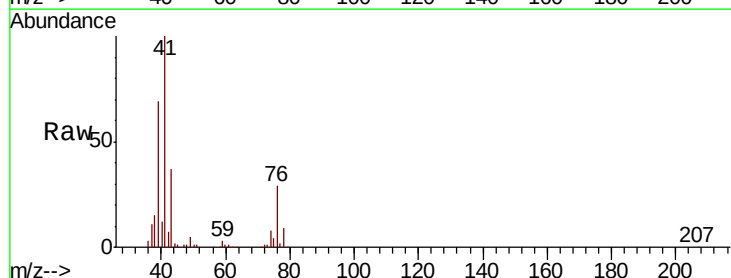
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

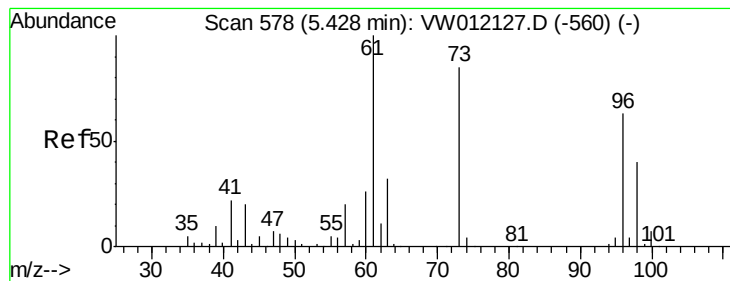
Tgt Ion: 76 Resp: 137280
Ion Ratio Lower Upper
76 100
78 10.3 7.3 10.9



#18
Methyl Acetate
Concen: 19.661 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 43 Resp: 39443
Ion Ratio Lower Upper
43 100
74 20.3 15.7 23.5





#19

Methyl tert-butyl Ether

Concen: 19.513 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

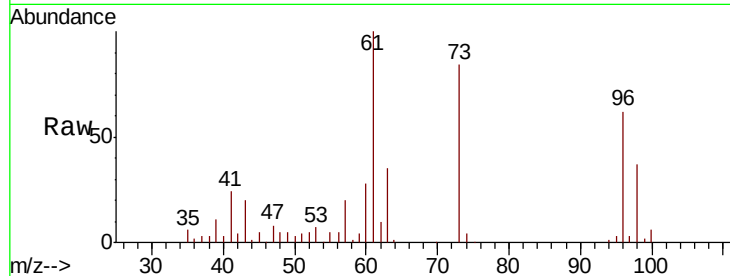
VSTDIC020

Tgt Ion: 73 Resp: 84371

Ion Ratio Lower Upper

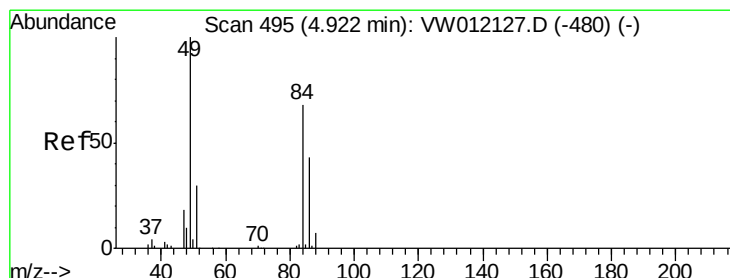
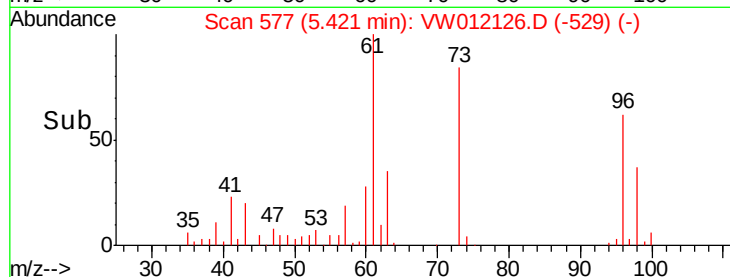
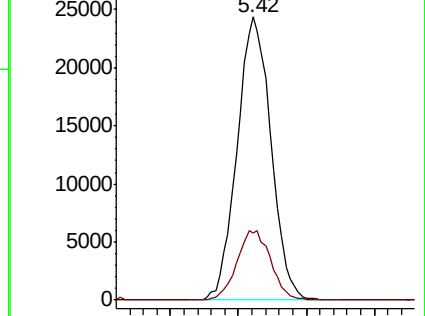
73 100

57 23.5 18.9 28.3



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 18.961 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Tgt Ion: 84 Resp: 58060

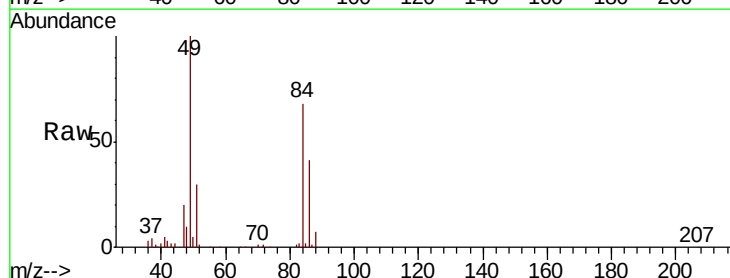
Ion Ratio Lower Upper

84 100

49 146.7 117.8 176.8

51 43.7 35.6 53.4

86 60.4 51.2 76.8

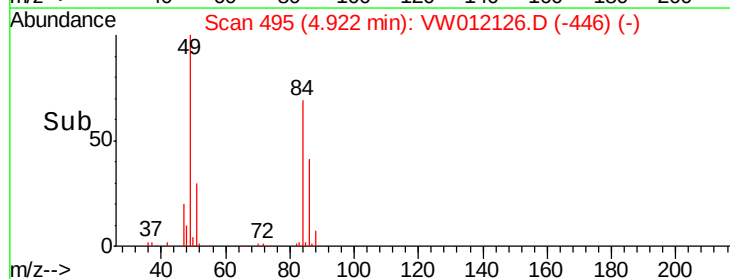
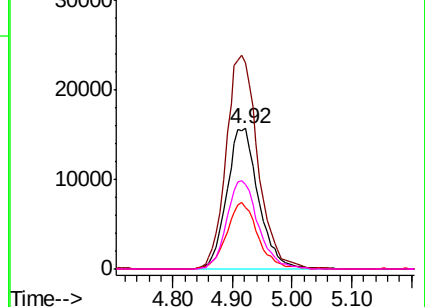


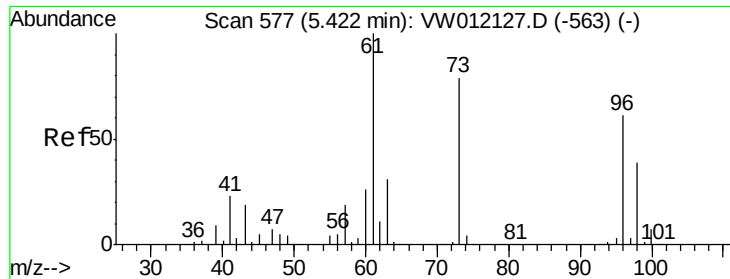
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

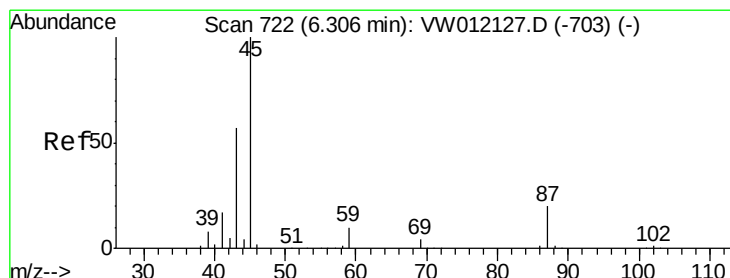
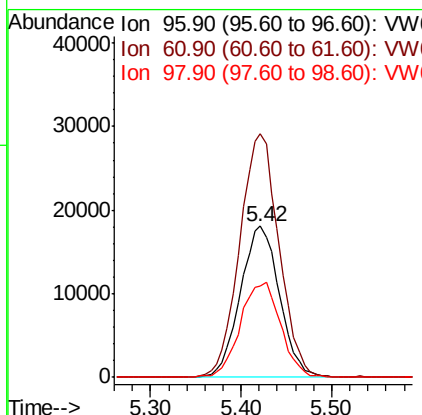
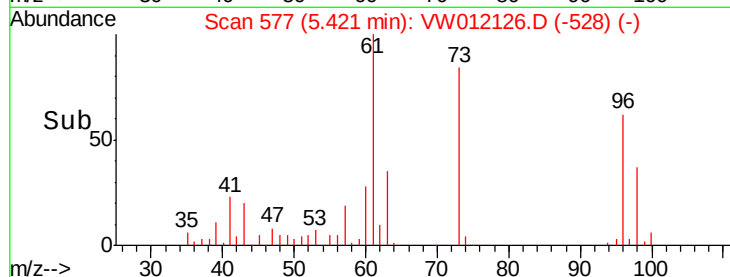
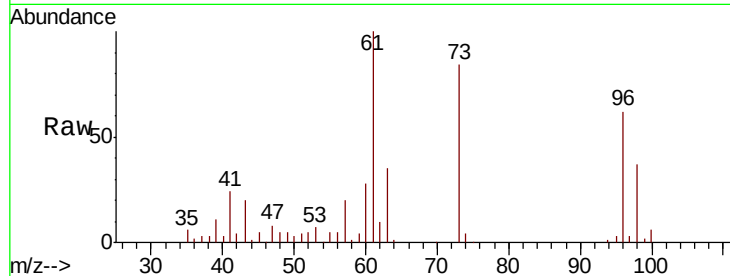




#21
trans-1,2-Dichloroethene
Concen: 18.900 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

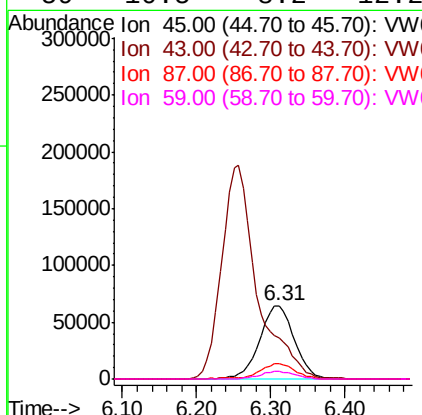
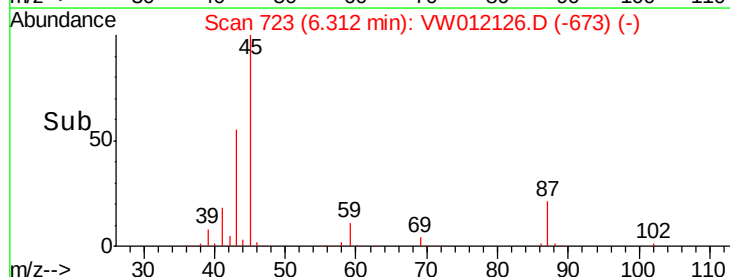
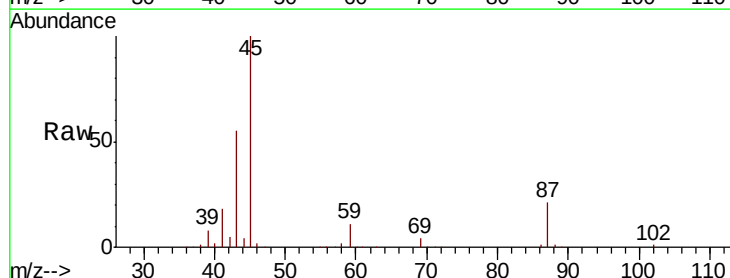
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

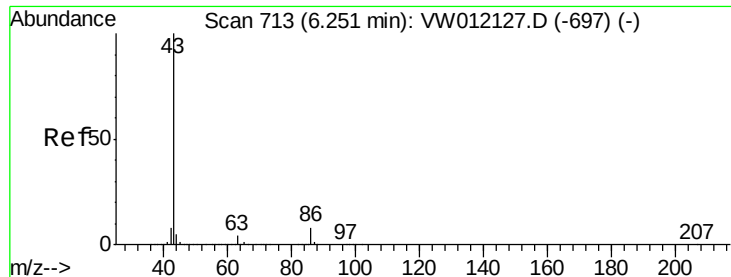
Tgt Ion: 96 Resp: 54187
Ion Ratio Lower Upper
96 100
61 161.2 131.4 197.0
98 60.2 51.4 77.0



#22
Diisopropyl ether
Concen: 19.809 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.01 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 45 Resp: 209879
Ion Ratio Lower Upper
45 100
43 54.7 45.5 68.3
87 20.5 16.1 24.1
59 10.5 8.2 12.2





#23

Vinyl Acetate

Concen: 96.044 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

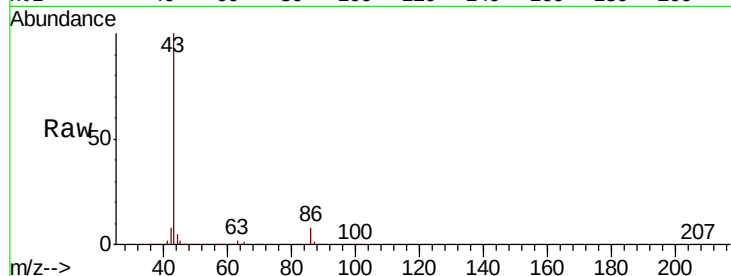
VSTDIC020

Tgt Ion: 43 Resp: 626236

Ion Ratio Lower Upper

43 100

86 7.6 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

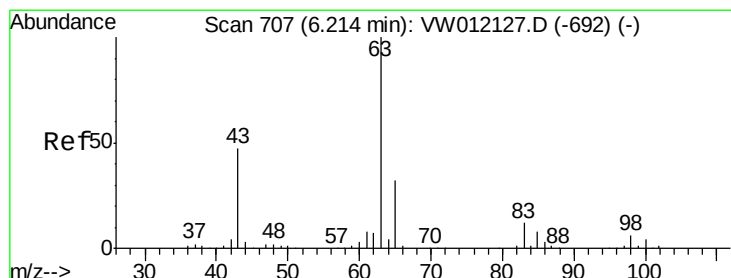
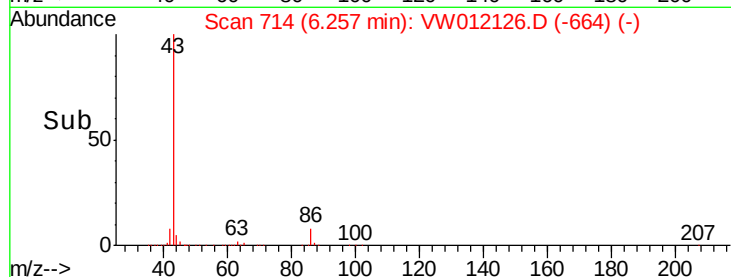
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.343 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

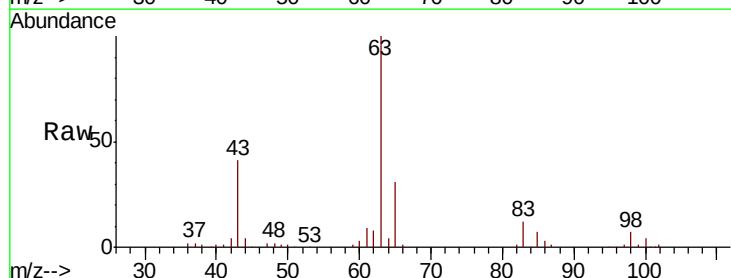
Tgt Ion: 63 Resp: 111584

Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.2

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

50000

40000

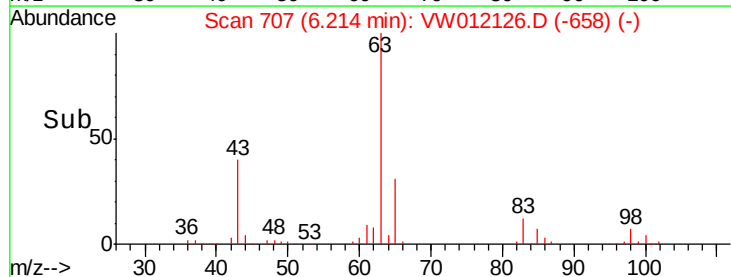
30000

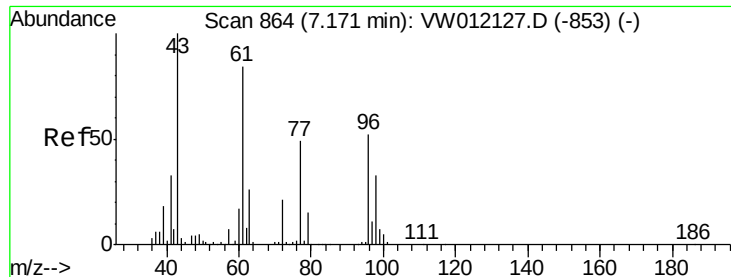
20000

10000

0

Time-->





#25

2-Butanone

Concen: 93.327 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampled :

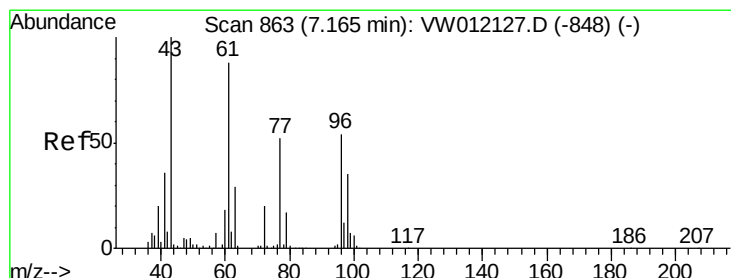
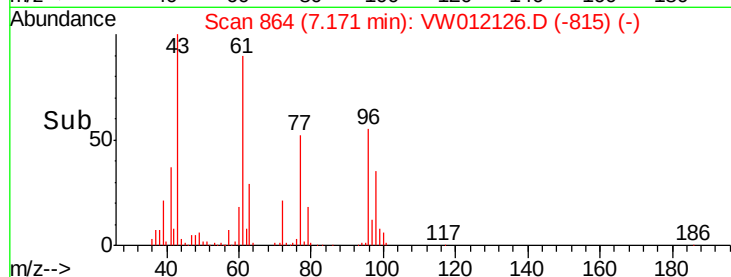
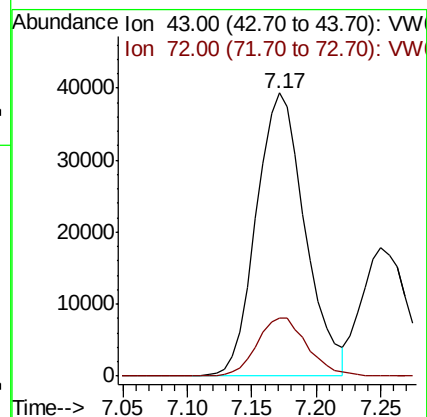
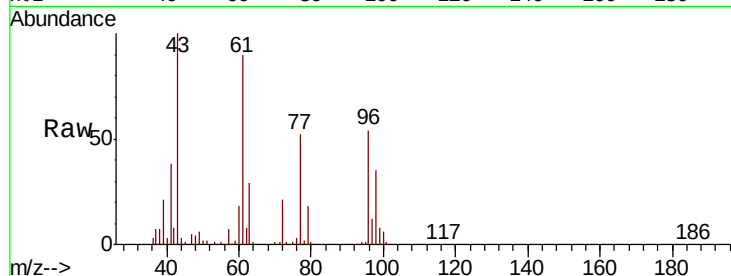
VSTDIC020

Tgt Ion: 43 Resp: 102722

Ion Ratio Lower Upper

43 100

72 20.7 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.209 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012126.D

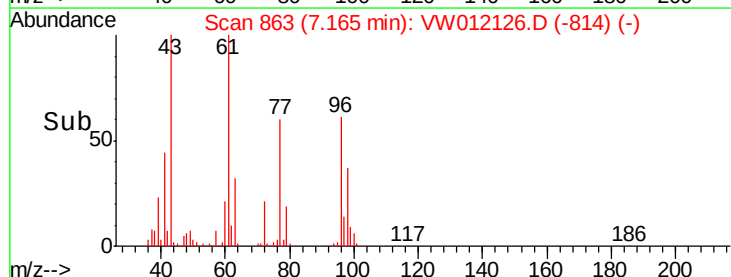
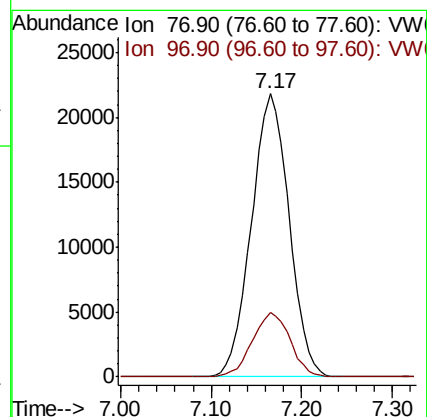
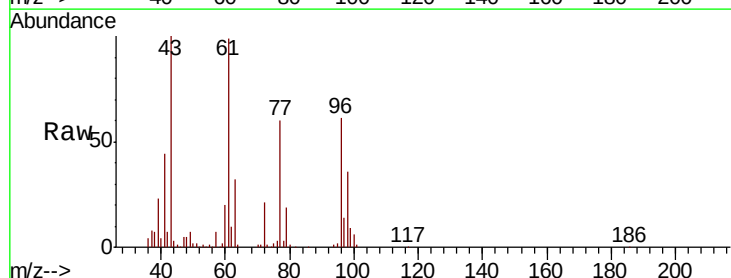
Acq: 23 Aug 2019 10:37

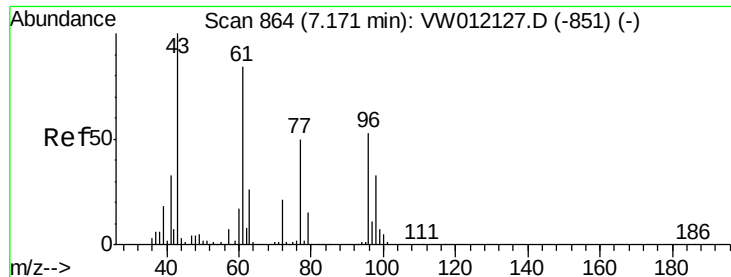
Tgt Ion: 77 Resp: 62722

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.1

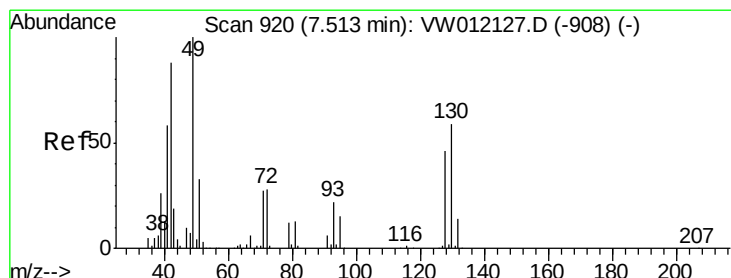
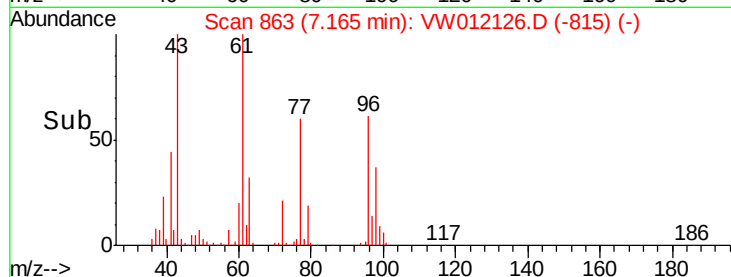
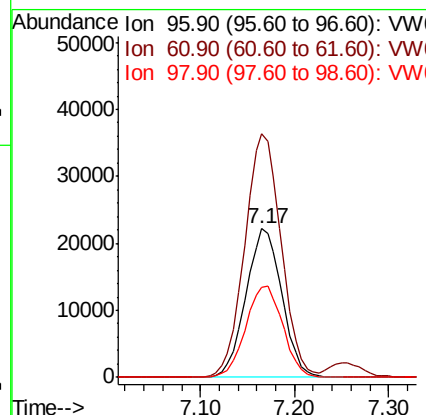
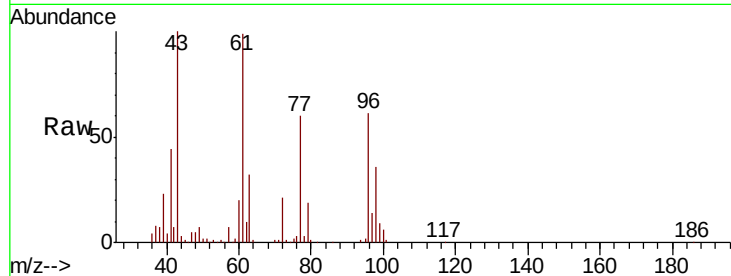




#27
 cis-1,2-Dichloroethene
 Concen: 19.275 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

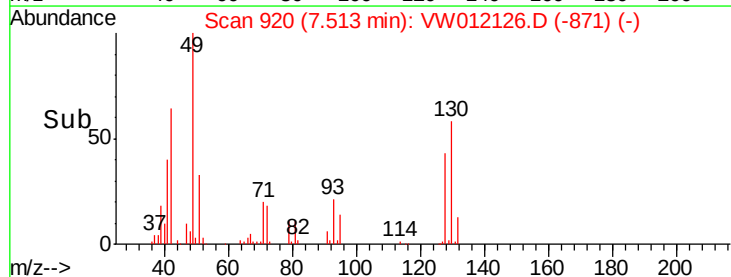
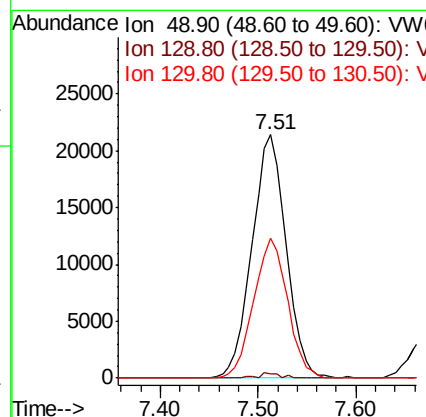
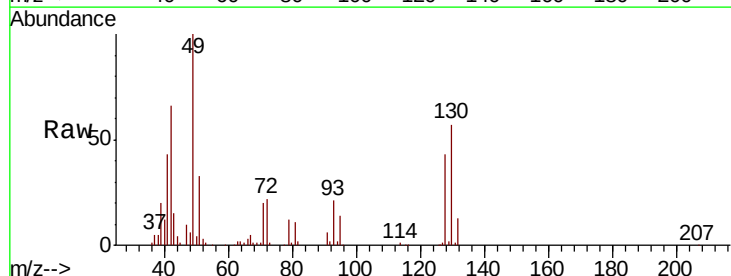
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

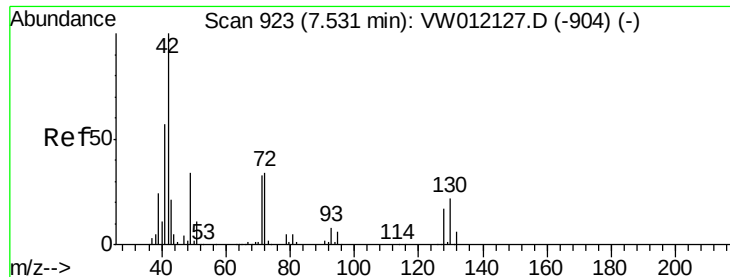
Tgt Ion: 96 Resp: 59045
 Ion Ratio Lower Upper
 96 100
 61 165.7 0.0 326.6
 98 63.1 0.0 127.4



#28
 Bromochloromethane
 Concen: 20.740 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion: 49 Resp: 52146
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 1.4
 130 57.0 45.5 68.3

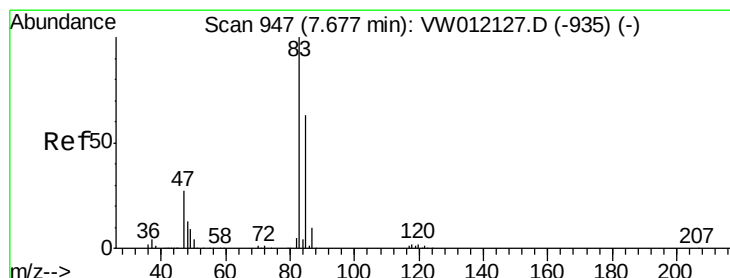
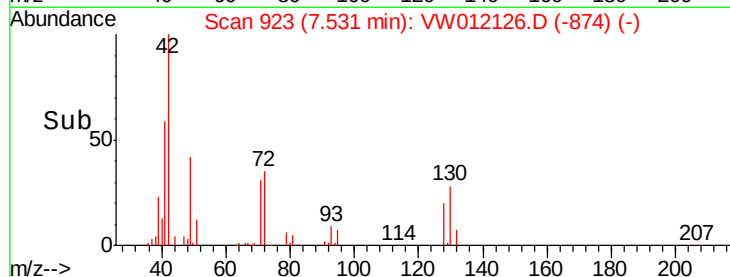
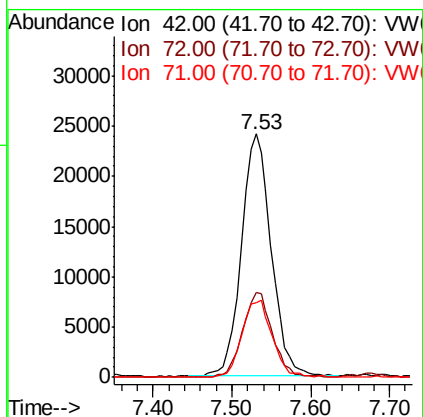
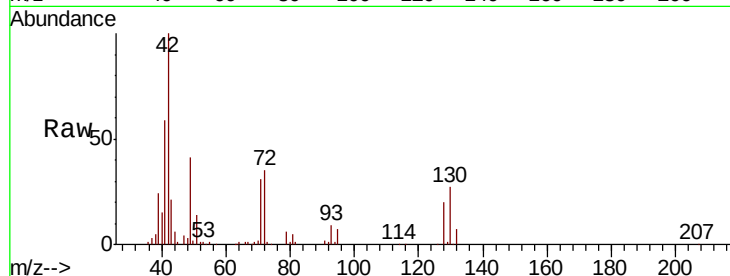




#29
Tetrahydrofuran
Concen: 96.054 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

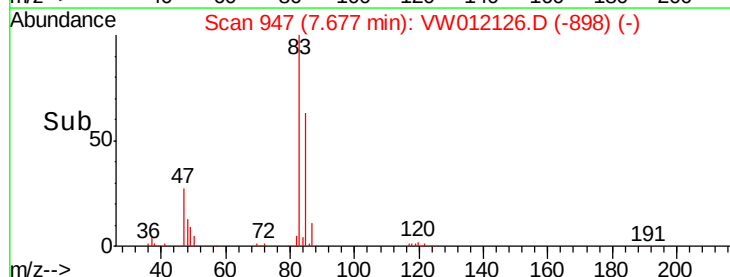
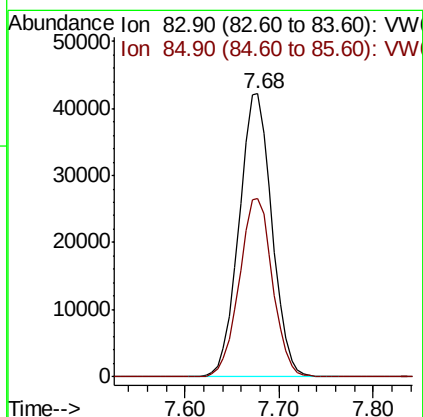
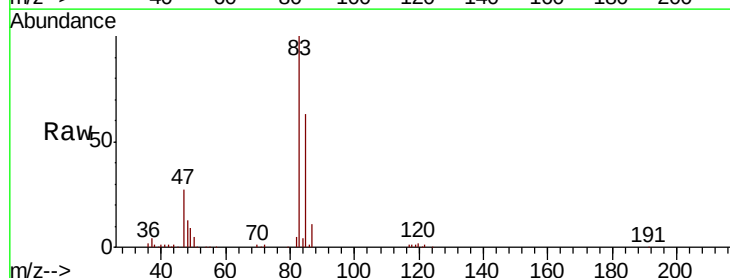
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

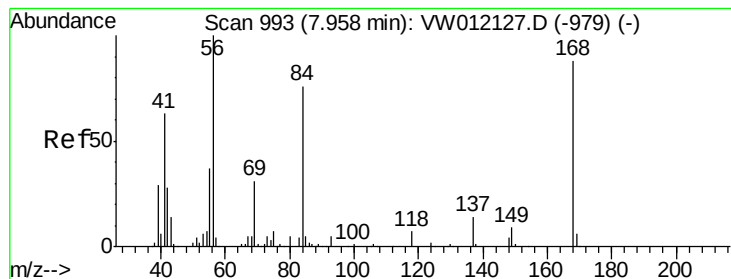
Tgt Ion: 42 Resp: 63430
Ion Ratio Lower Upper
42 100
72 35.1 27.3 40.9
71 32.4 25.5 38.3



#30
Chloroform
Concen: 19.477 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 83 Resp: 102796
Ion Ratio Lower Upper
83 100
85 63.0 50.6 76.0





#31

Cyclohexane

Concen: 18.271 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

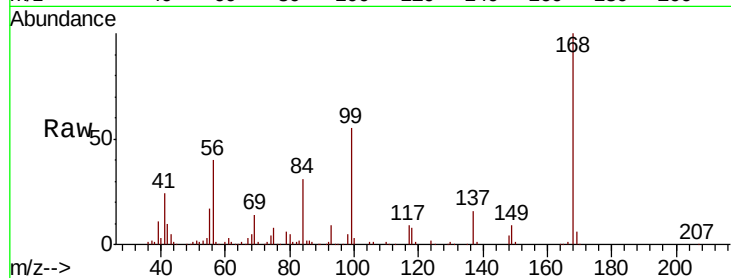
Tgt Ion: 56 Resp: 104283

Ion Ratio Lower Upper

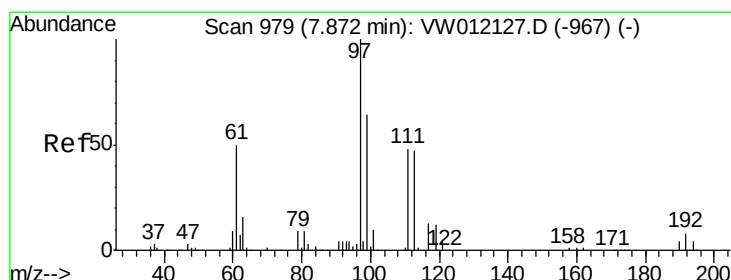
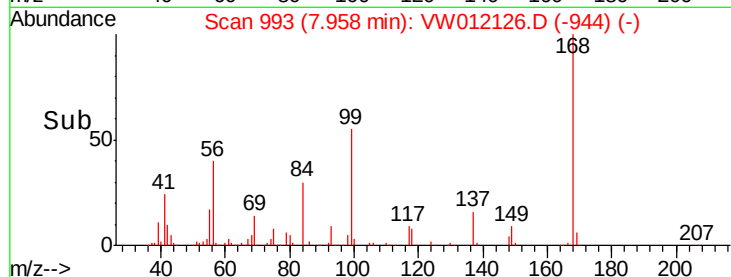
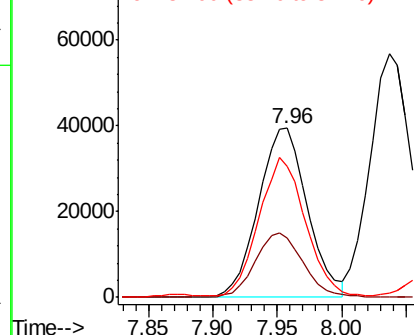
56 100

69 34.7 24.9 37.3

84 76.5 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: 19.360 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

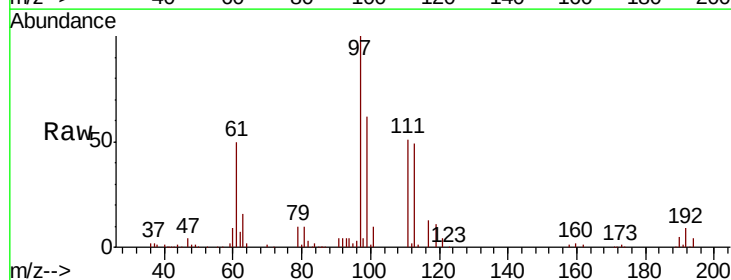
Tgt Ion: 97 Resp: 80833

Ion Ratio Lower Upper

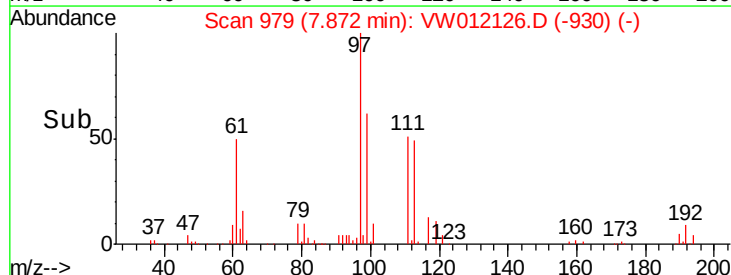
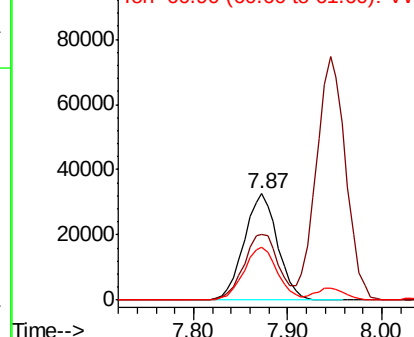
97 100

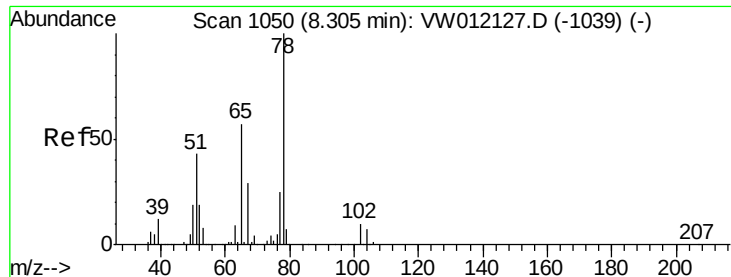
99 65.4 51.4 77.0

61 50.3 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

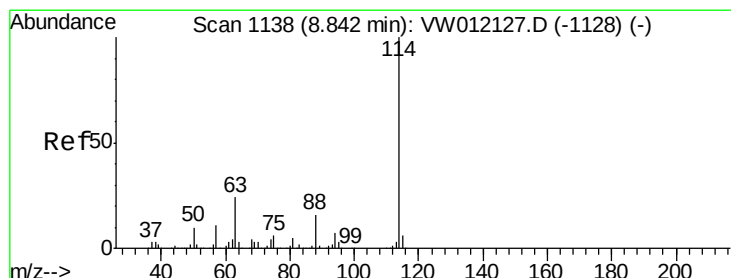
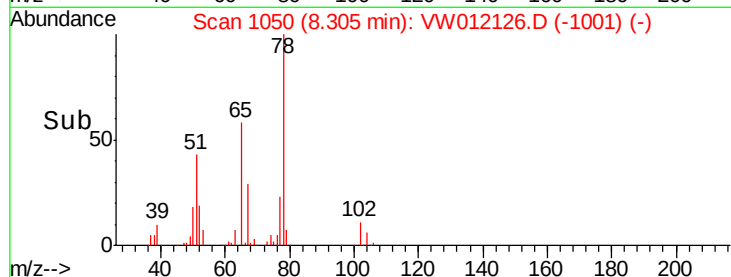
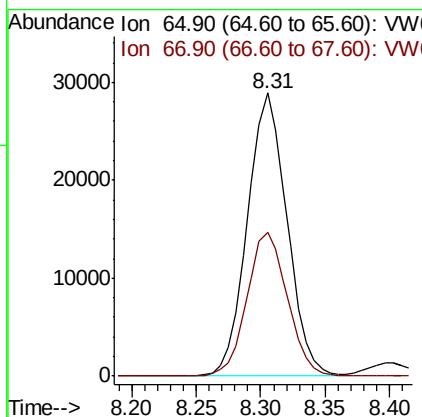
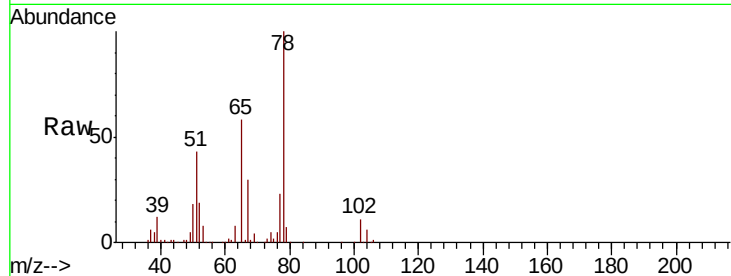




#33
 1,2-Dichloroethane-d4
 Concen: 19.429 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

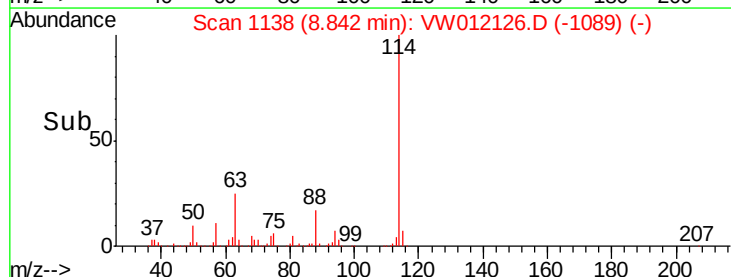
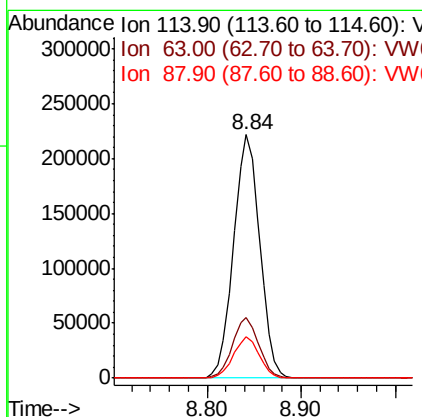
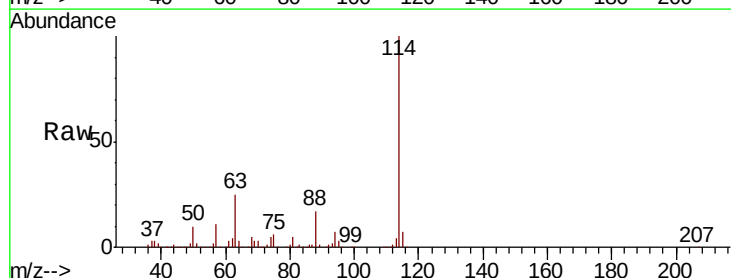
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

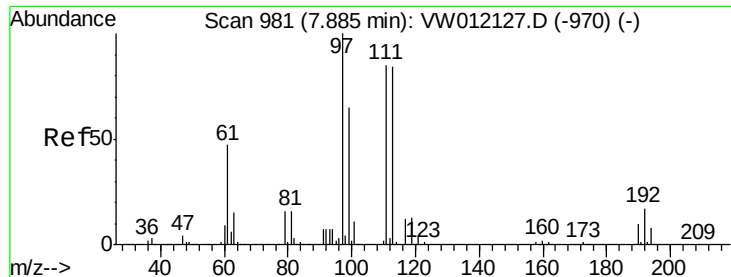
Tgt Ion: 65 Resp: 61563
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion: 114 Resp: 428874
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 16.7 0.0 32.2

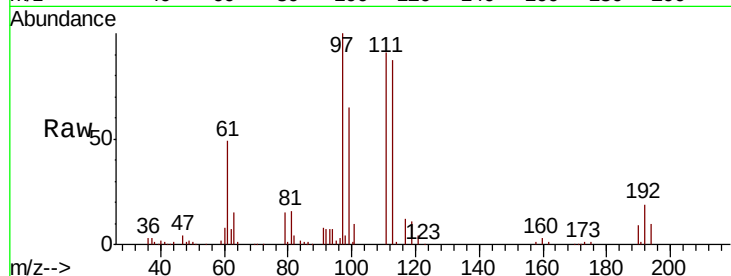




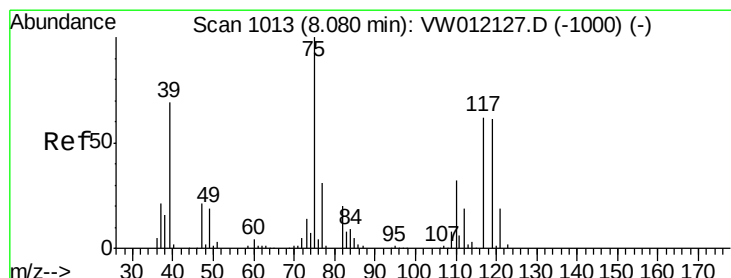
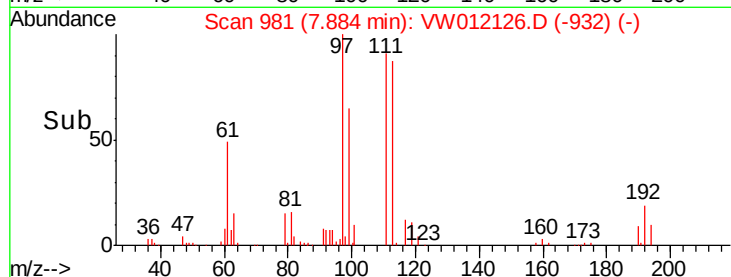
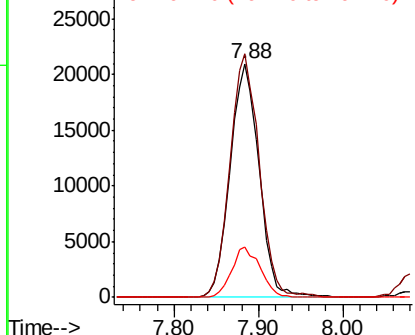
#35
 Dibromofluoromethane
 Concen: 19.074 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 113 Resp: 48828
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.7 124.1
 192 21.2 16.2 24.2

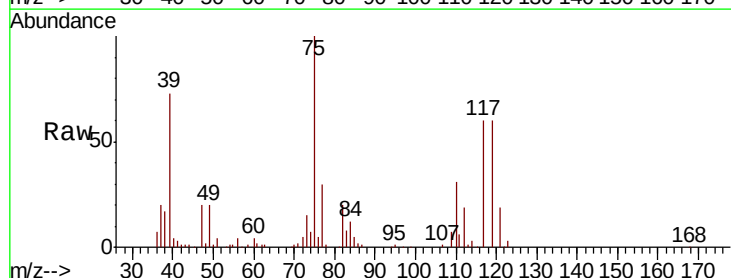


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

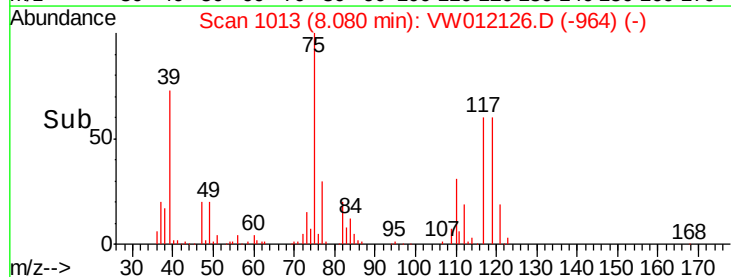
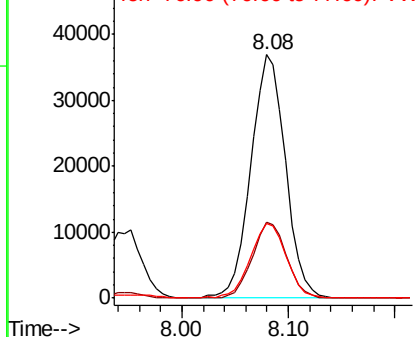


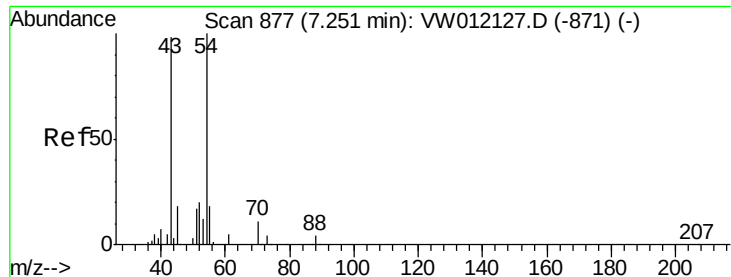
#36
 1,1-Dichloropropene
 Concen: 18.988 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion: 75 Resp: 84154
 Ion Ratio Lower Upper
 75 100
 110 30.8 15.6 46.8
 77 31.6 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

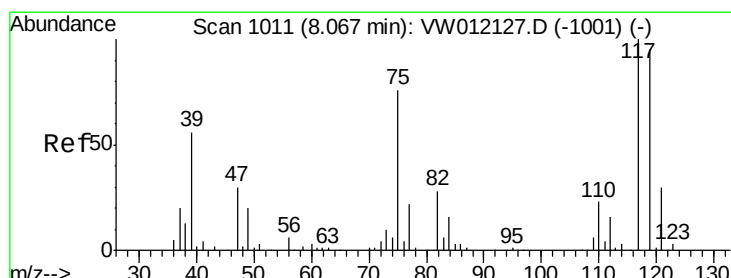
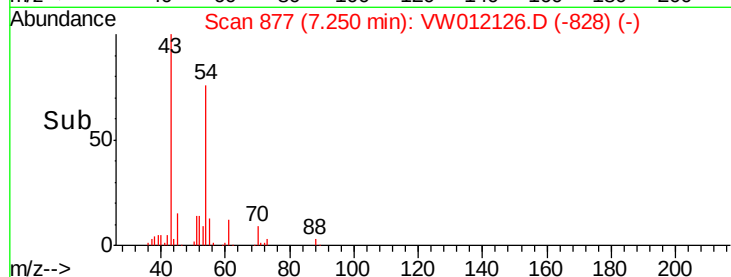
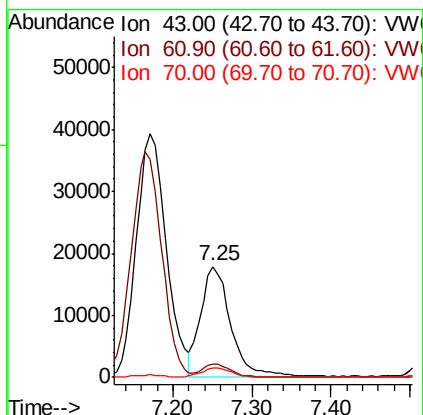
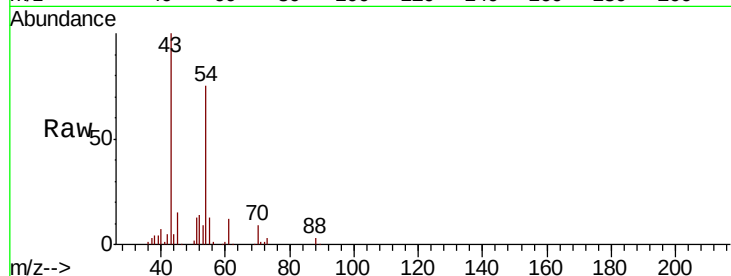




#37
Ethyl Acetate
Concen: 19.281 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

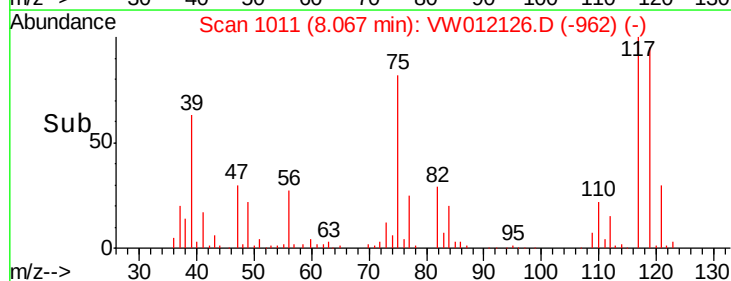
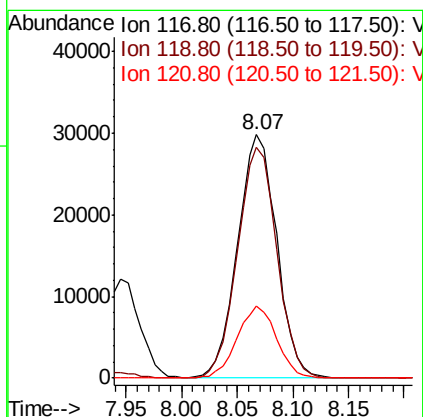
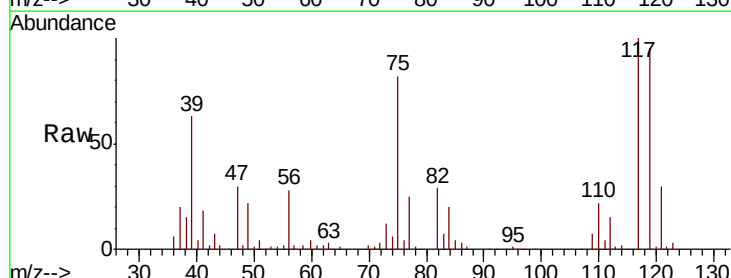
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

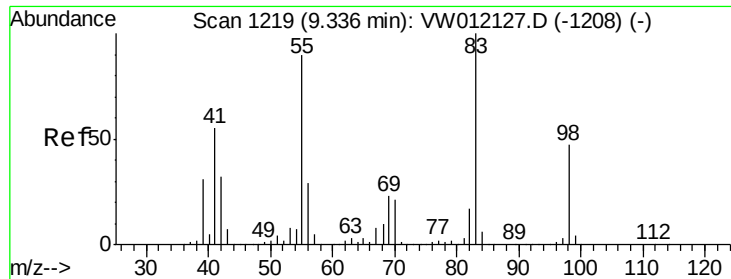
Tgt Ion: 43 Resp: 46827
Ion Ratio Lower Upper
43 100
61 11.5 9.2 13.8
70 8.9 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.009 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 117 Resp: 72918
Ion Ratio Lower Upper
117 100
119 94.9 76.2 114.2
121 29.8 23.8 35.8

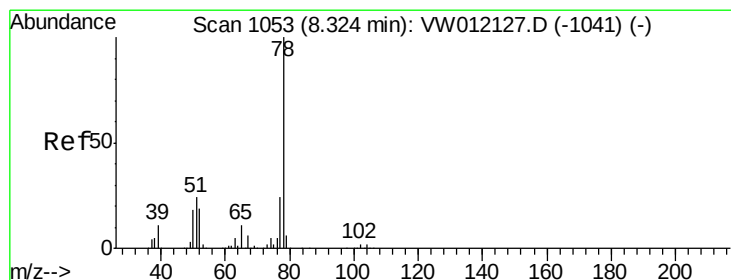
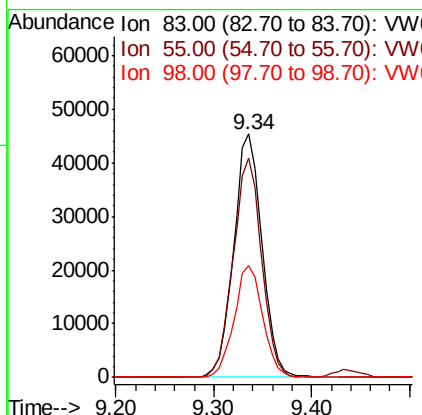
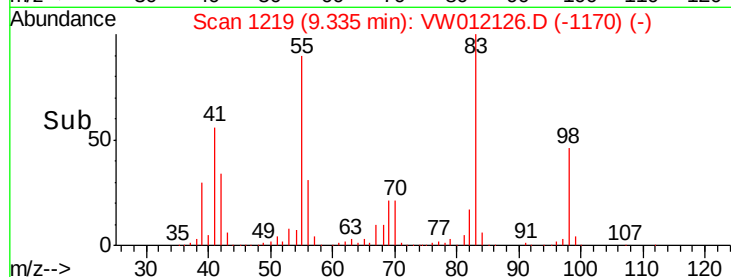
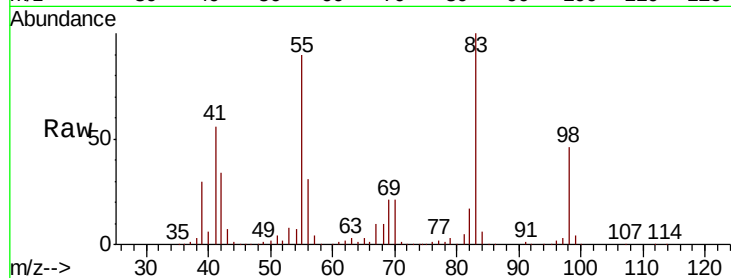




#39
Methylcyclohexane
Concen: 18.353 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

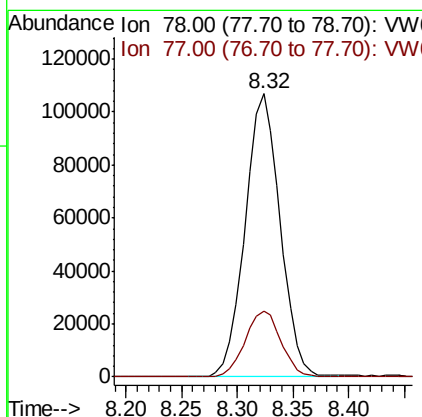
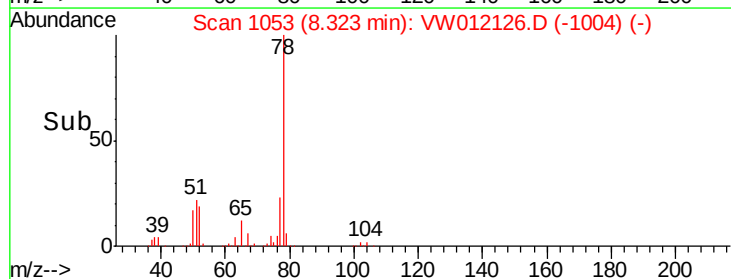
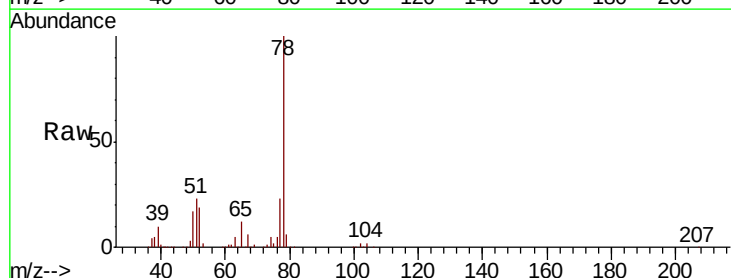
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

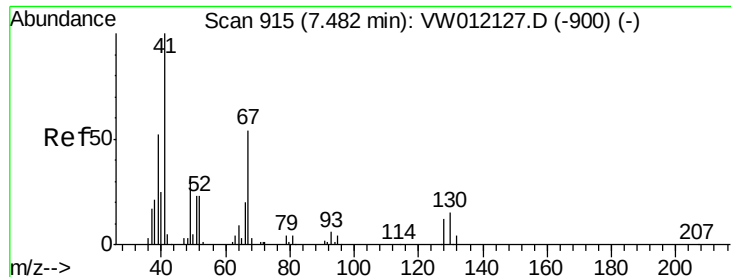
Tgt Ion: 83 Resp: 91377
Ion Ratio Lower Upper
83 100
55 89.9 71.8 107.8
98 46.0 37.8 56.8



#40
Benzene
Concen: 19.320 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 78 Resp: 233802
Ion Ratio Lower Upper
78 100
77 23.3 19.5 29.3

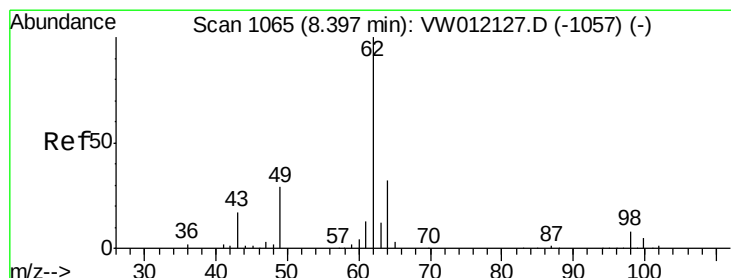
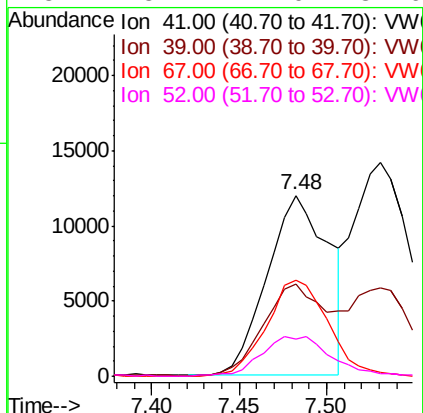
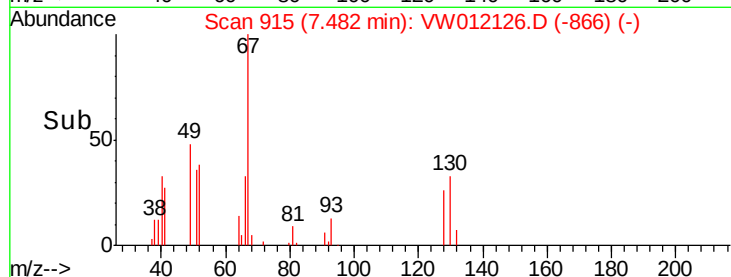
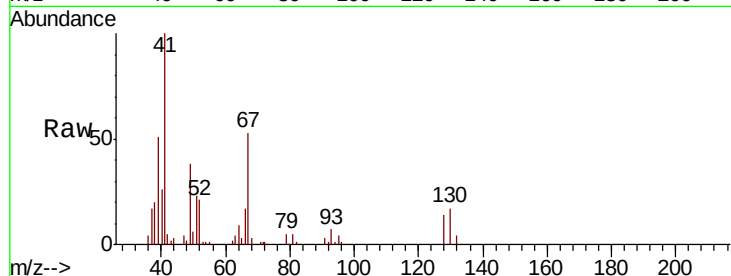




#41
Methacrylonitrile
Concen: 20.460 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

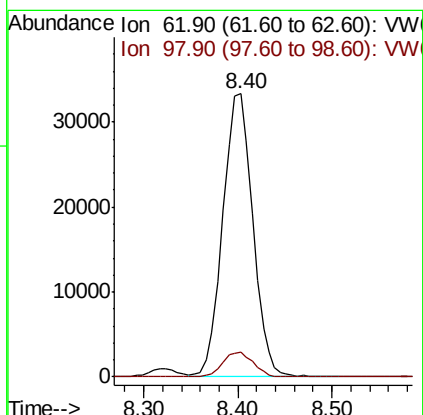
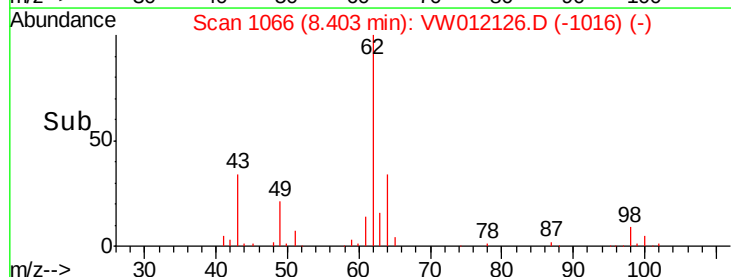
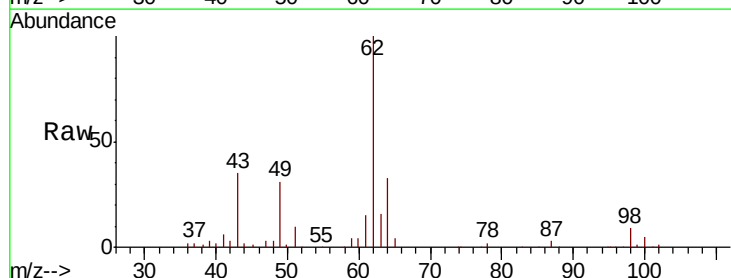
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

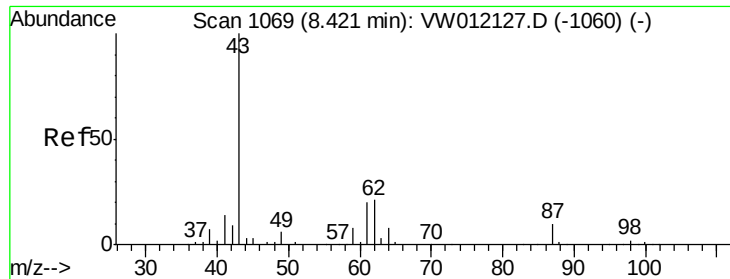
Tgt Ion:	41	Resp:	29204
Ion	Ratio	Lower	Upper
41	100		
39	48.6	45.8	68.8
67	53.9	46.2	69.4
52	25.4	21.0	31.6



#42
1,2-Dichloroethane
Concen: 19.549 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion:	62	Resp:	74143
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.6





#43

Isopropyl Acetate

Concen: 18.896 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

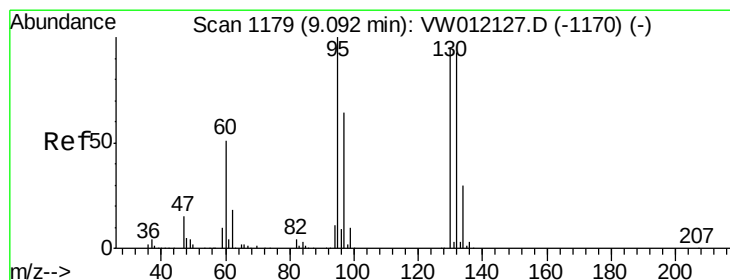
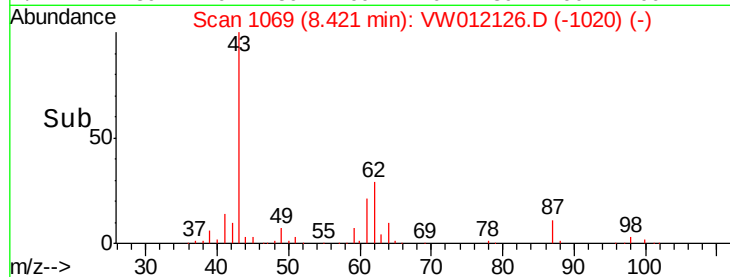
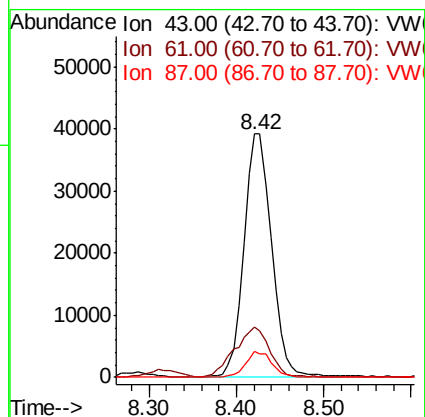
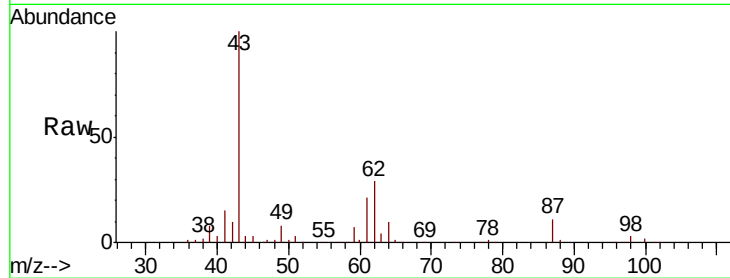
Tgt Ion: 43 Resp: 85003

Ion Ratio Lower Upper

43 100

61 26.6 21.1 31.7

87 10.1 8.2 12.2



#44

Trichloroethene

Concen: 19.078 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012126.D

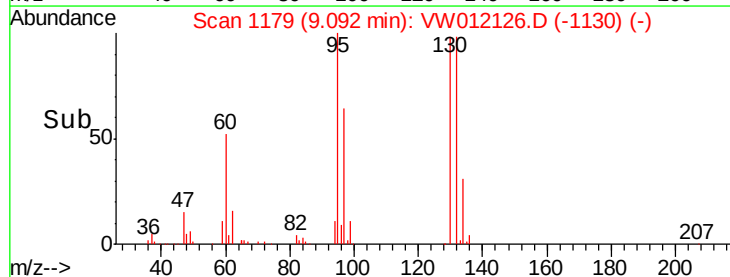
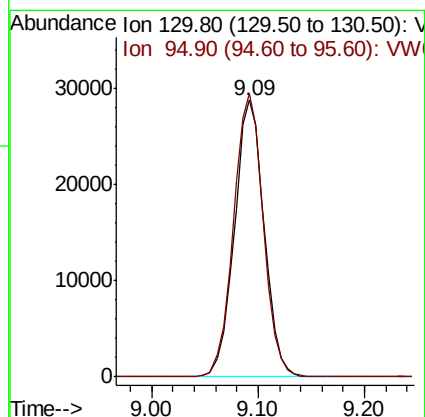
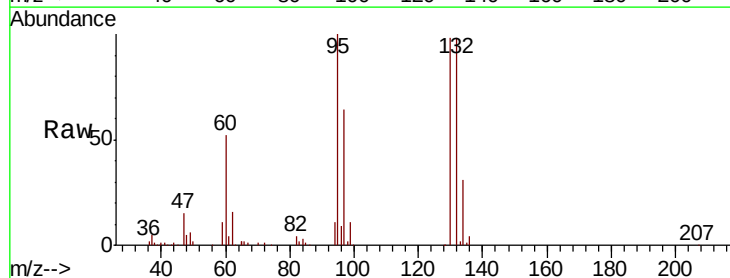
Acq: 23 Aug 2019 10:37

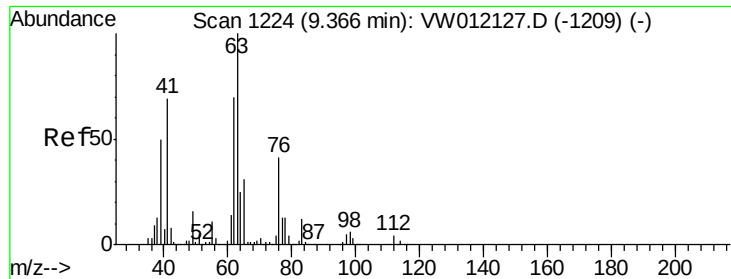
Tgt Ion: 130 Resp: 56126

Ion Ratio Lower Upper

130 100

95 102.3 0.0 210.6

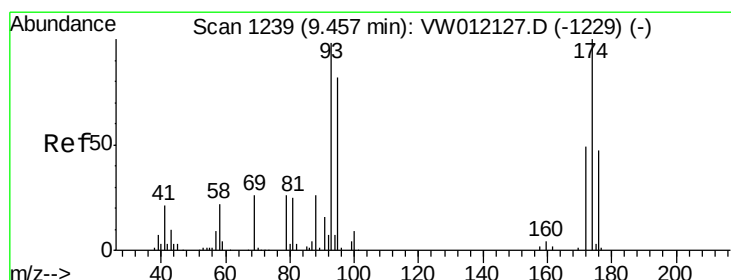
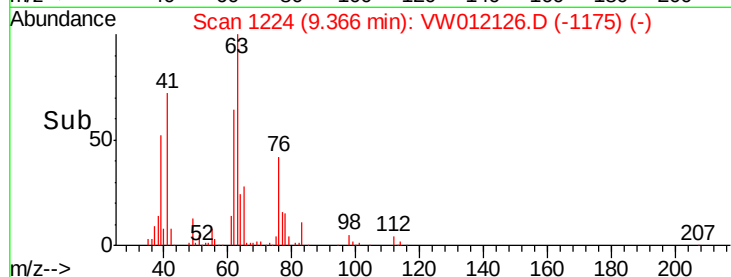
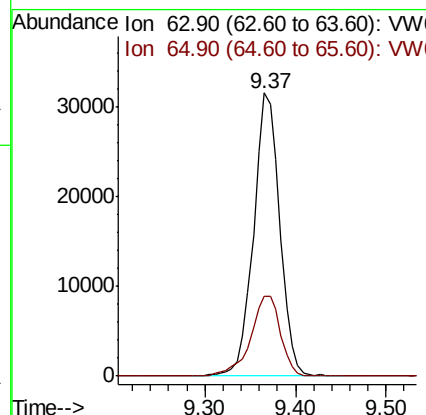
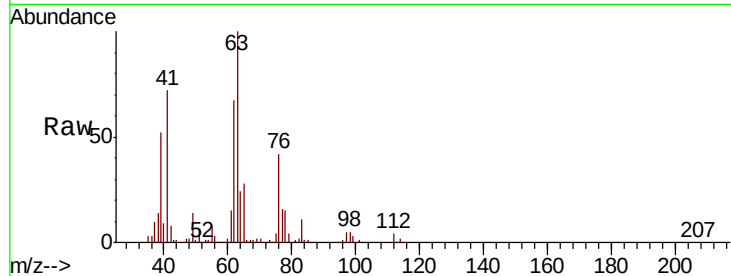




#45
 1,2-Dichloropropane
 Concen: 19.360 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

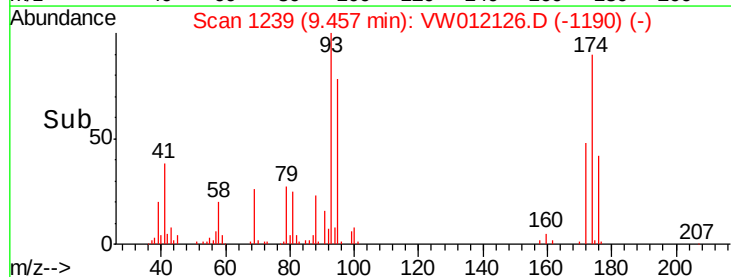
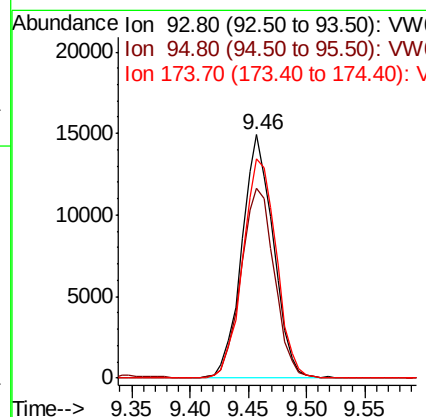
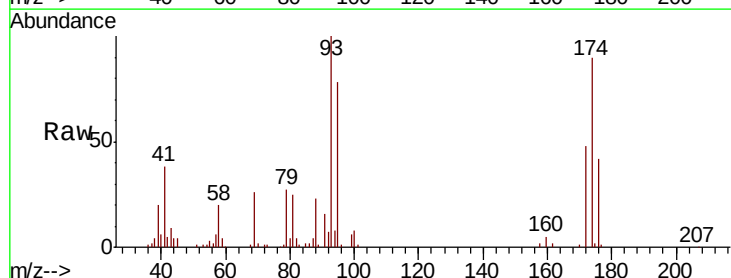
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

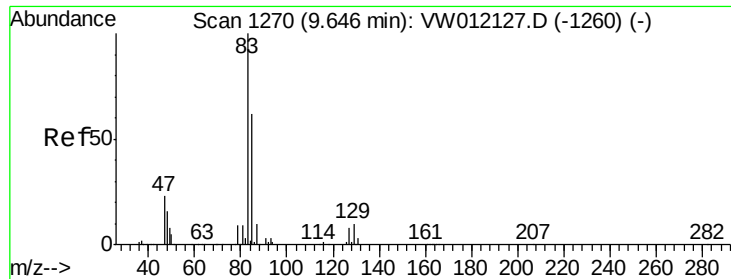
Tgt Ion: 63 Resp: 63055
 Ion Ratio Lower Upper
 63 100
 65 28.3 25.0 37.4



#46
 Dibromomethane
 Concen: 19.468 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion: 93 Resp: 28211
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.2 100.8
 174 95.9 79.0 118.6





#47

Bromodichloromethane

Concen: 19.180 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

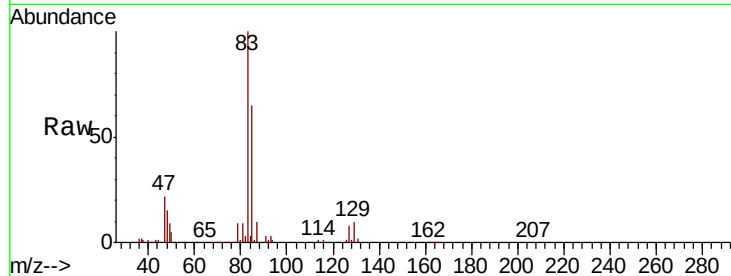
Tgt Ion: 83 Resp: 73970

Ion Ratio Lower Upper

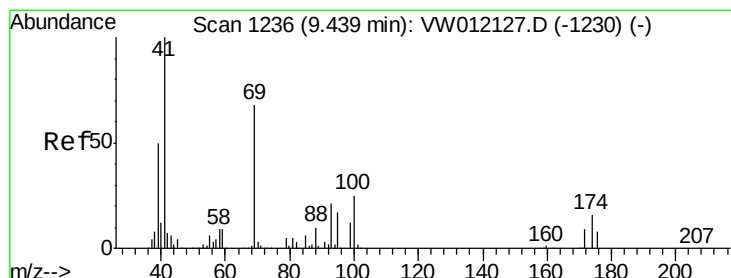
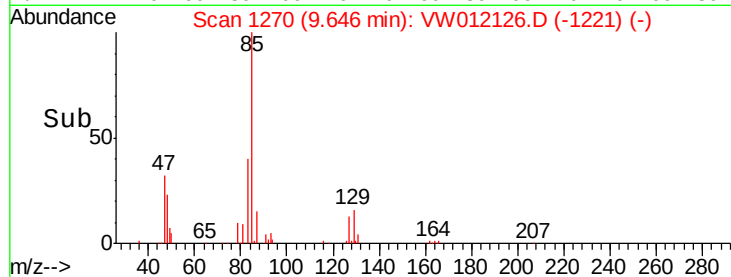
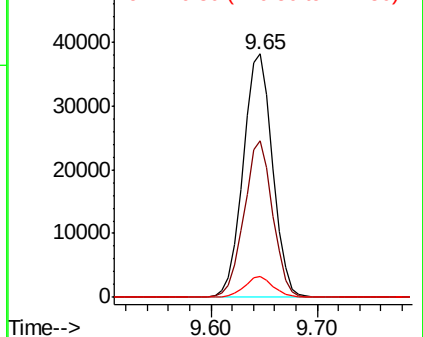
83 100

85 64.5 49.4 74.2

127 8.4 6.1 9.1



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



#48

Methyl methacrylate

Concen: 18.907 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

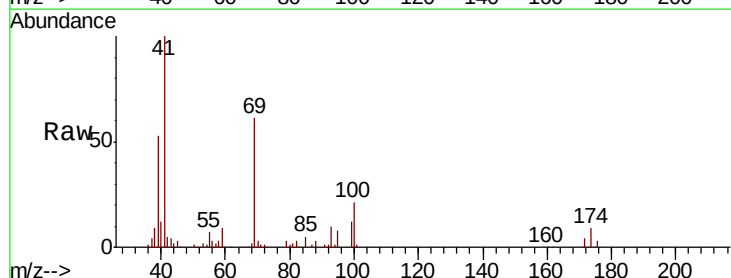
Tgt Ion: 41 Resp: 40481

Ion Ratio Lower Upper

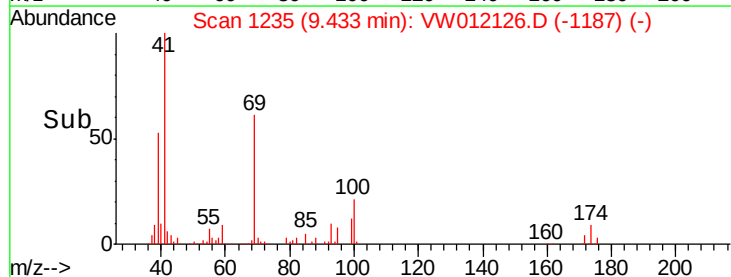
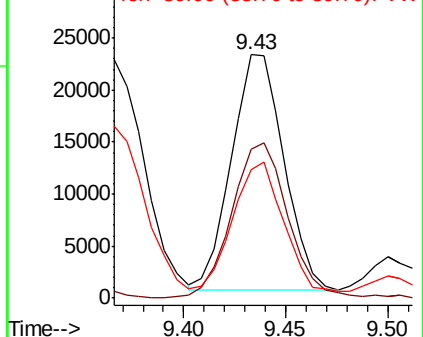
41 100

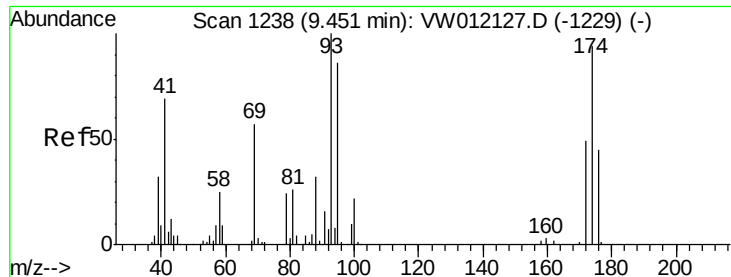
69 69.8 56.7 85.1

39 58.4 42.0 63.0



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

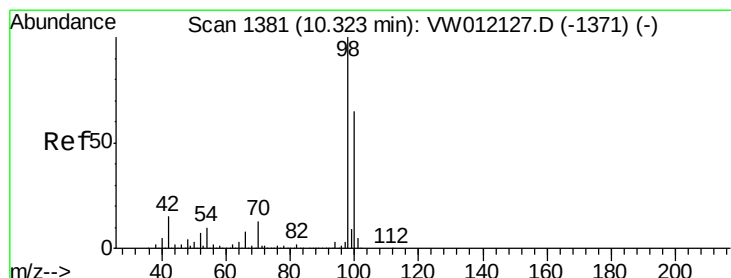
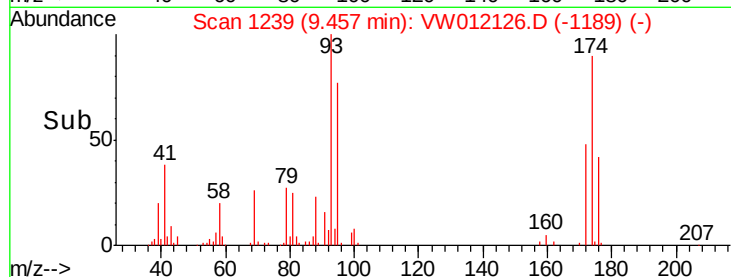
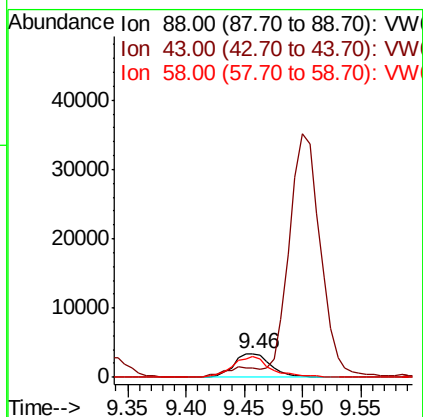
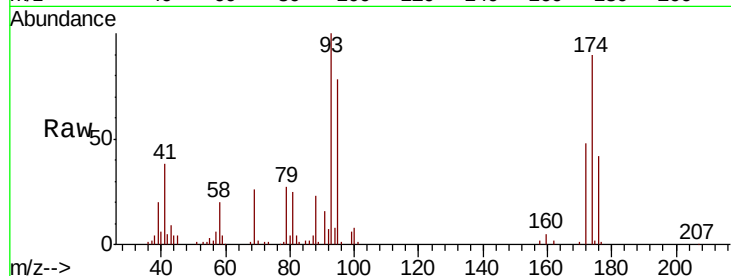




#49
1,4-Dioxane
Concen: 350.792 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

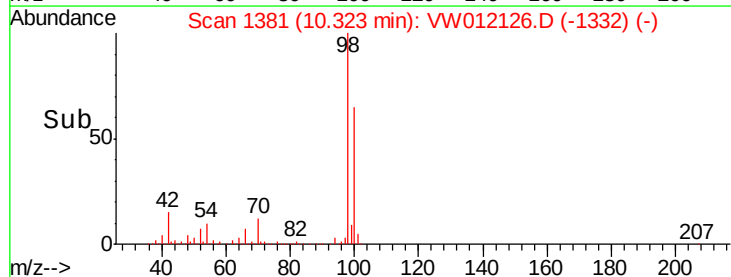
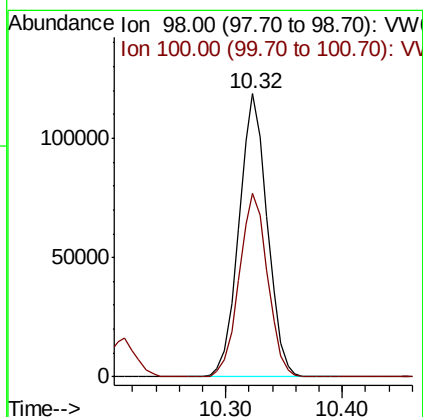
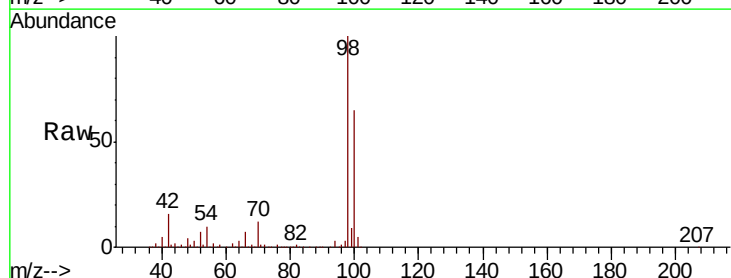
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

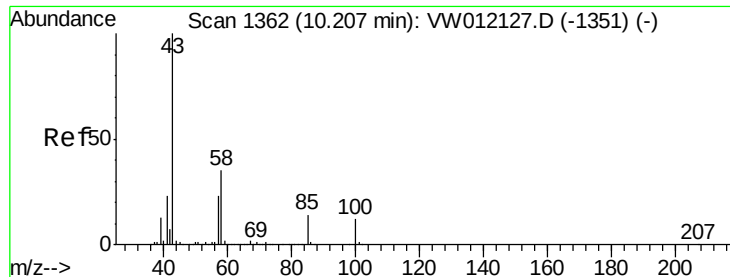
Tgt Ion: 88 Resp: 7782
Ion Ratio Lower Upper
88 100
43 35.1 32.9 49.3
58 88.6 71.0 106.4



#50
Toluene-d8
Concen: 19.383 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 98 Resp: 201196
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 96.334 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampled :

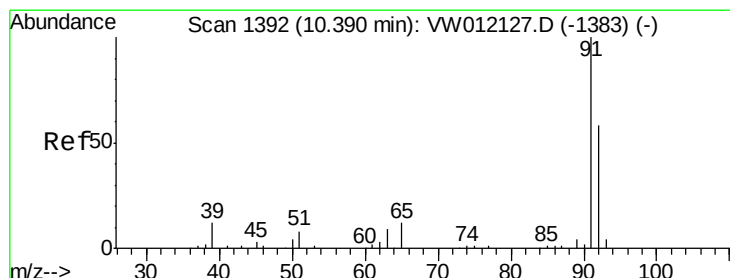
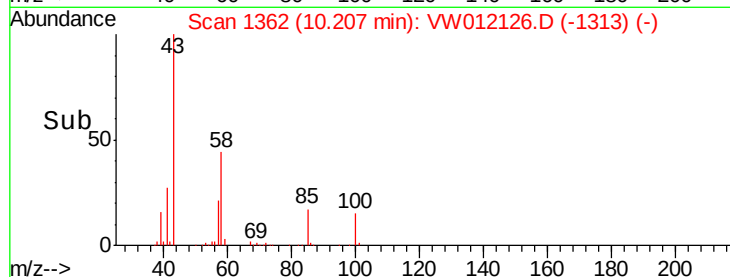
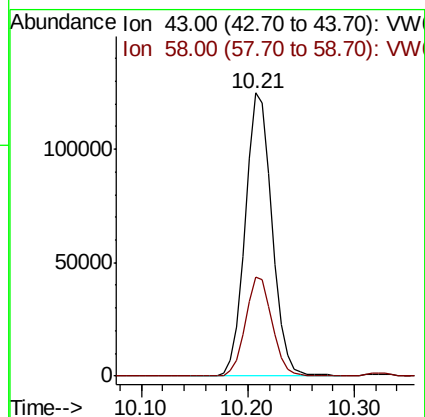
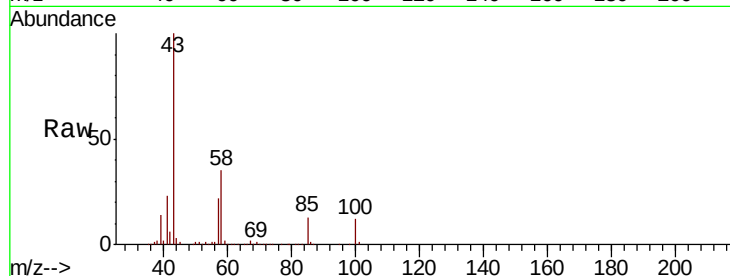
VSTDIC020

Tgt Ion: 43 Resp: 220424

Ion Ratio Lower Upper

43 100

58 34.9 28.2 42.2



#52

Toluene

Concen: 19.244 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012126.D

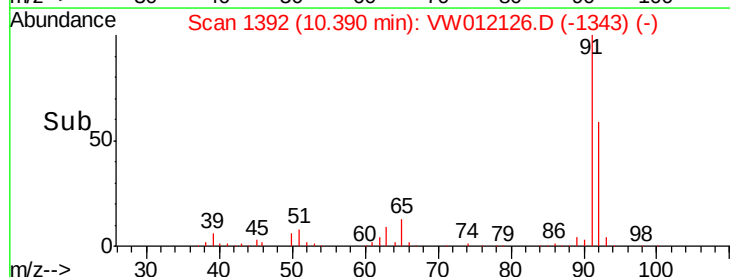
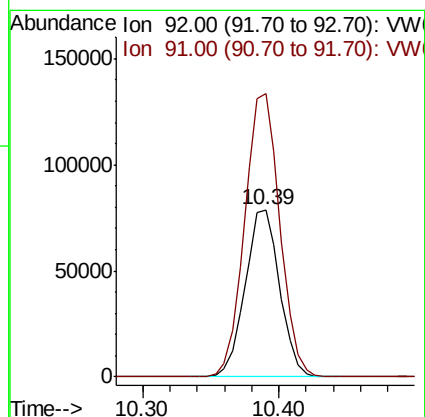
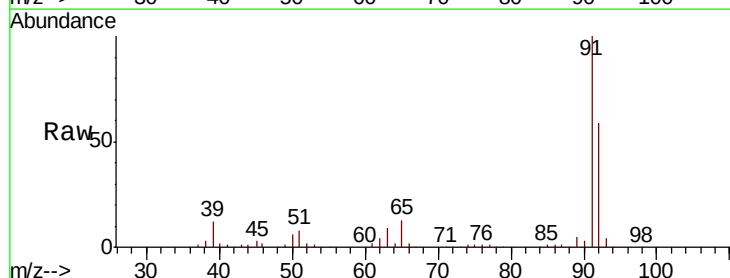
Acq: 23 Aug 2019 10:37

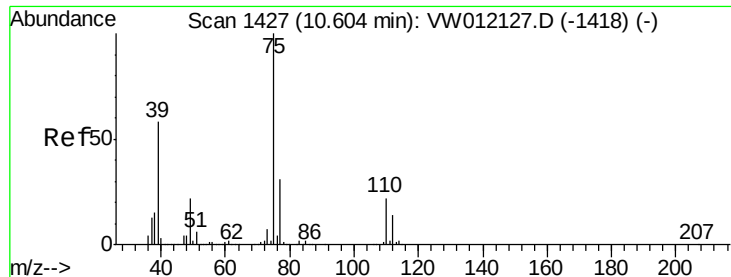
Tgt Ion: 92 Resp: 139905

Ion Ratio Lower Upper

92 100

91 172.2 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 18.900 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

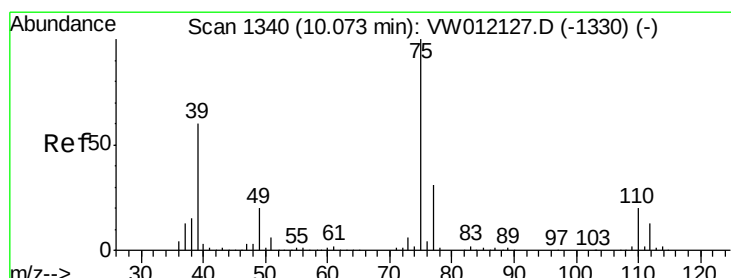
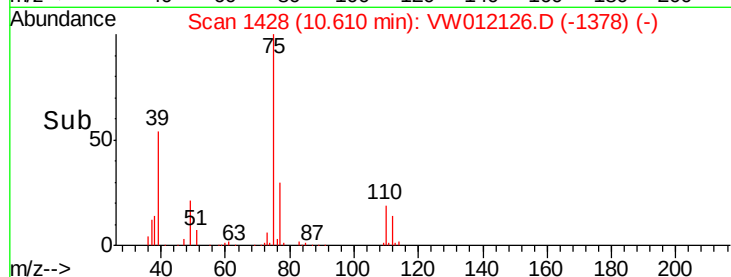
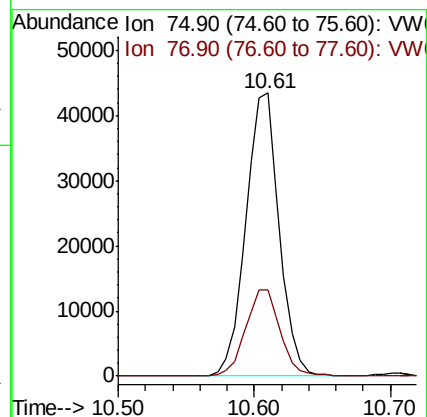
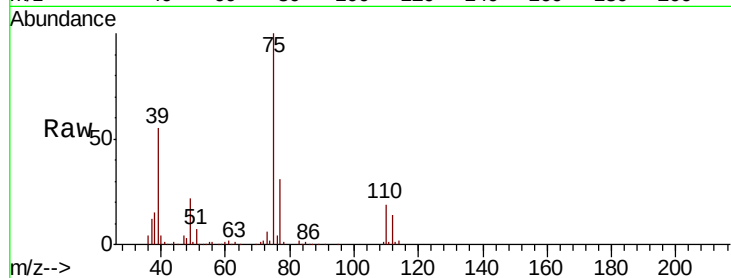
VSTDIC020

Tgt Ion: 75 Resp: 74247

Ion Ratio Lower Upper

75 100

77 30.3 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.224 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

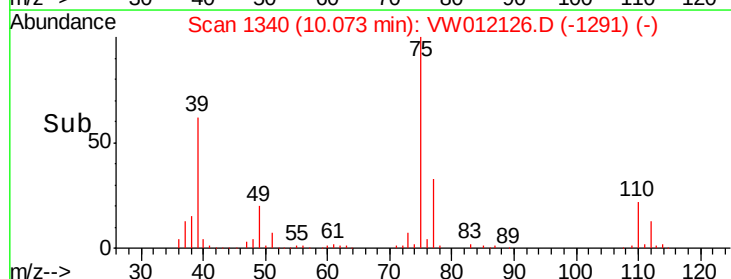
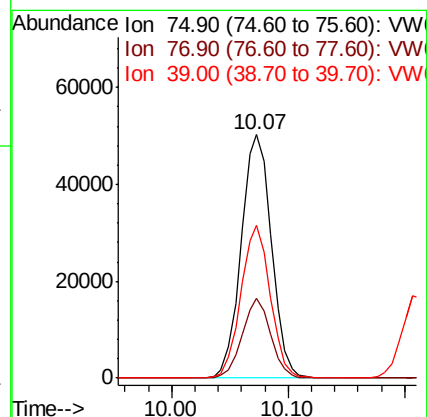
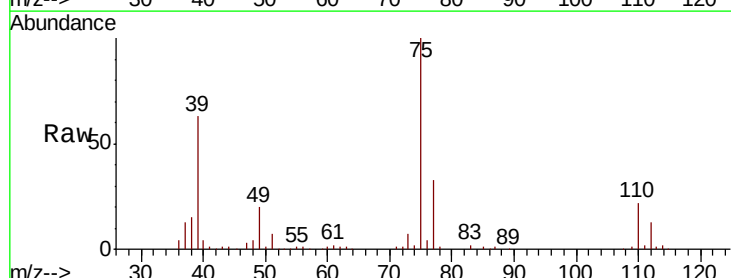
Tgt Ion: 75 Resp: 91189

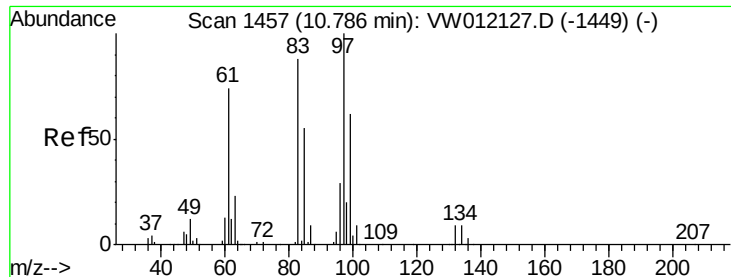
Ion Ratio Lower Upper

75 100

77 32.7 25.1 37.7

39 62.4 48.3 72.5

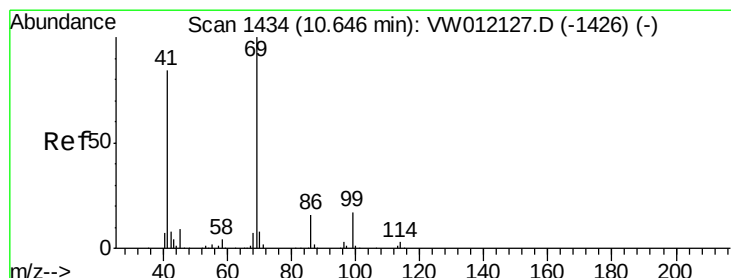
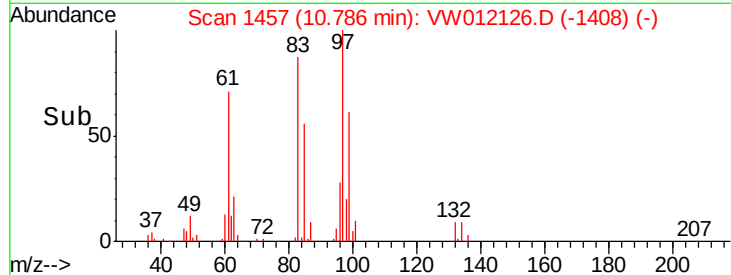
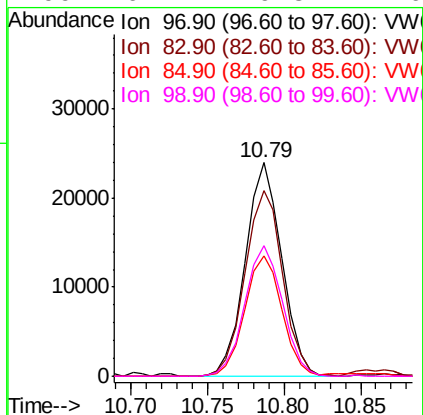
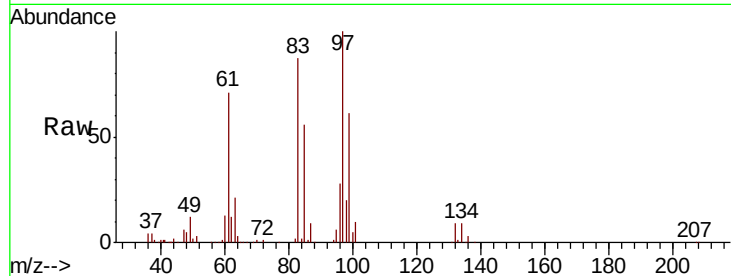




#55
 1,1,2-Trichloroethane
 Concen: 19.425 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

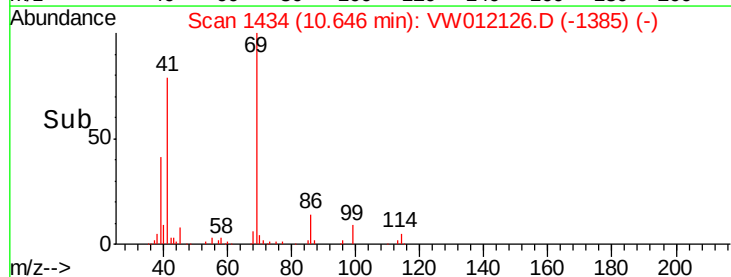
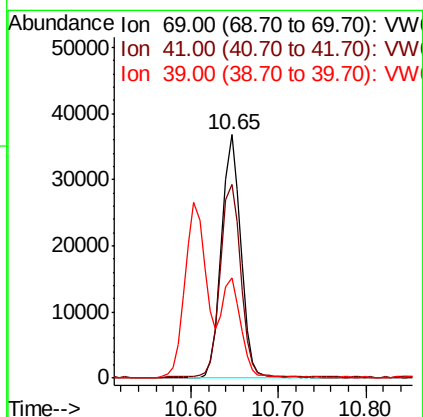
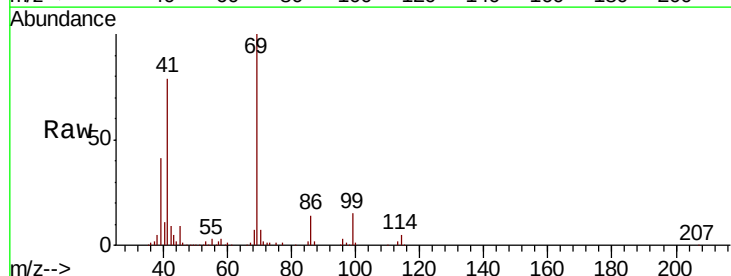
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

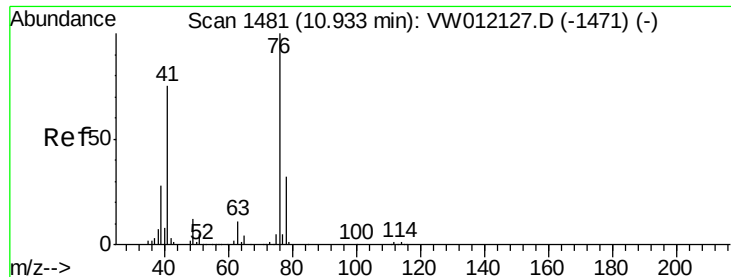
Tgt Ion:	97	Resp:	39827
Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.8	106.2
85	56.4	43.8	65.8
99	61.1	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 19.013 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion:	69	Resp:	56736
Ion	Ratio	Lower	Upper
69	100		
41	83.3	66.5	99.7
39	39.7	31.0	46.4





#57

1,3-Dichloropropane

Concen: 19.404 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

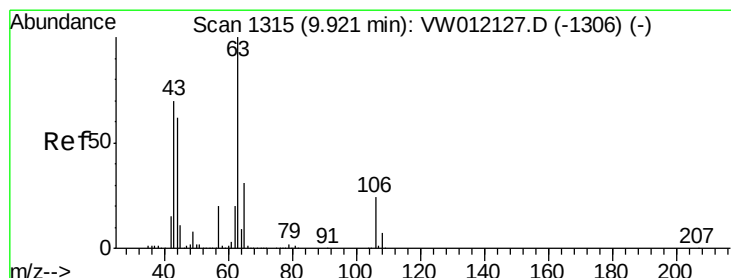
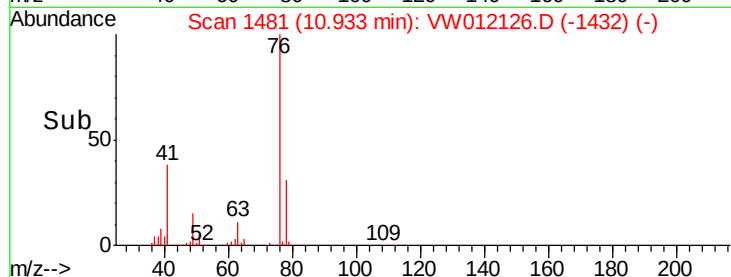
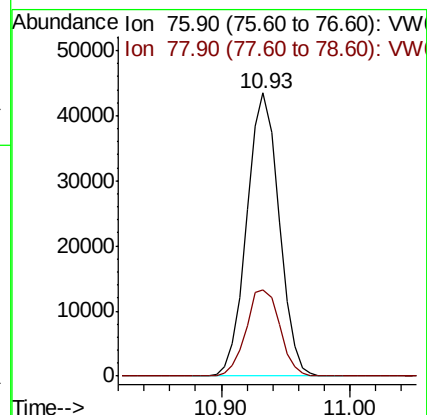
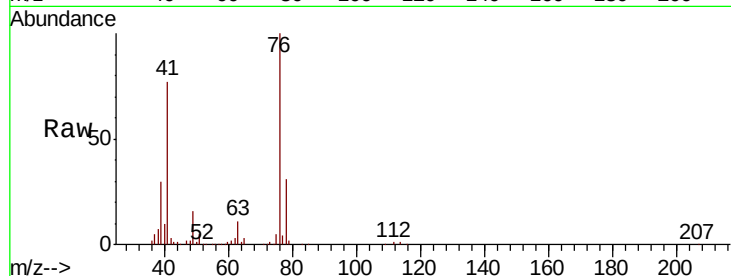
VSTDIC020

Tgt Ion: 76 Resp: 75179

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 98.413 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW012126.D

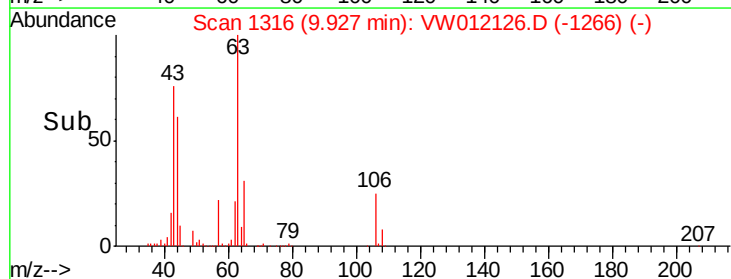
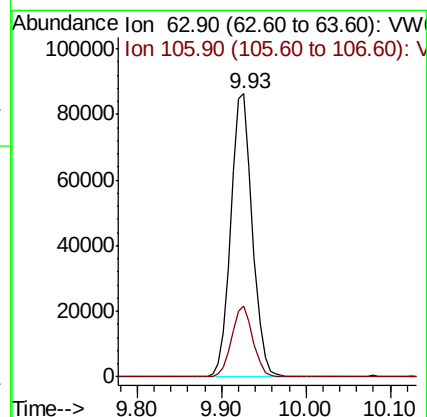
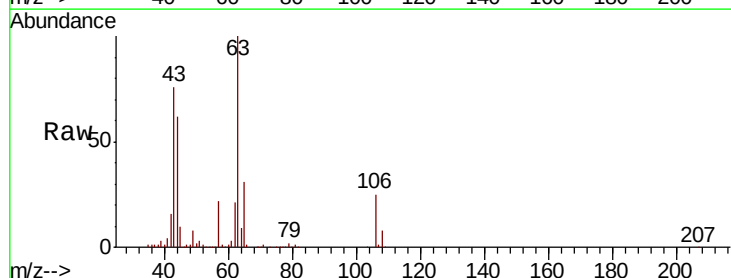
Acq: 23 Aug 2019 10:37

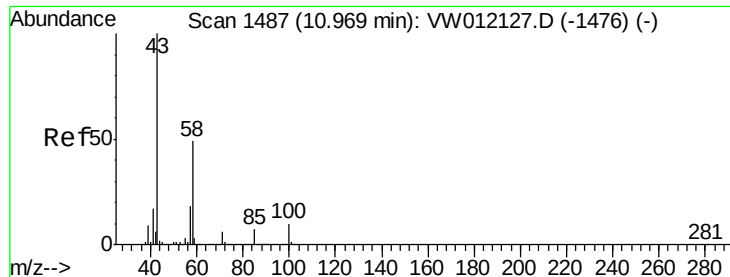
Tgt Ion: 63 Resp: 150716

Ion Ratio Lower Upper

63 100

106 24.6 19.8 29.8

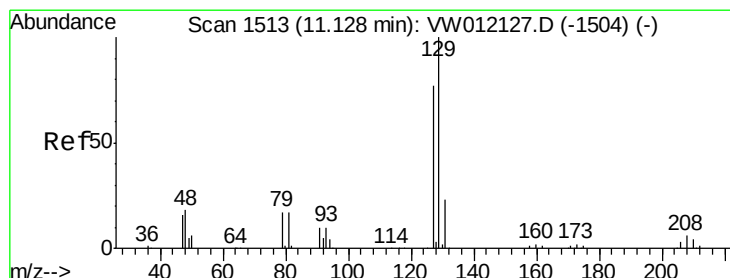
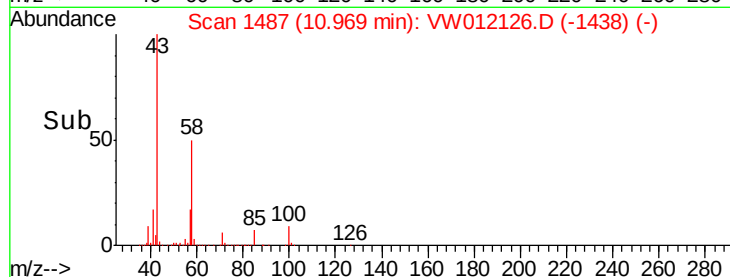
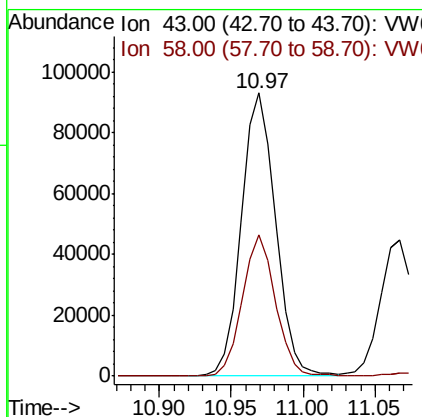
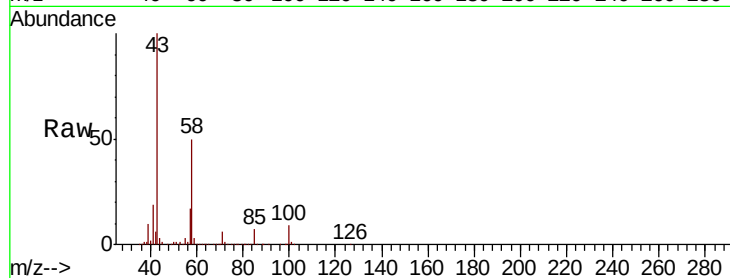




#59
2-Hexanone
Concen: 94.492 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

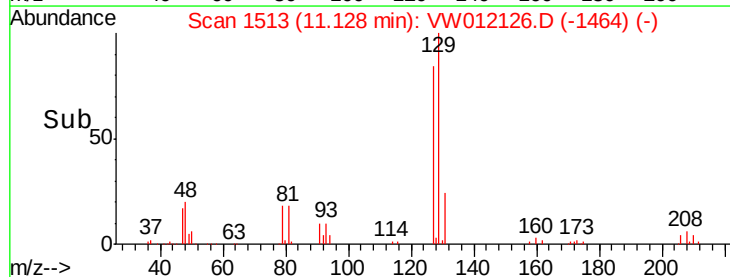
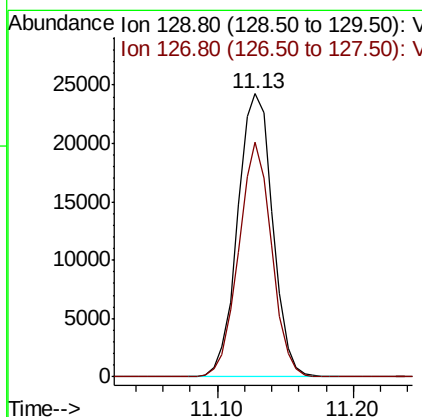
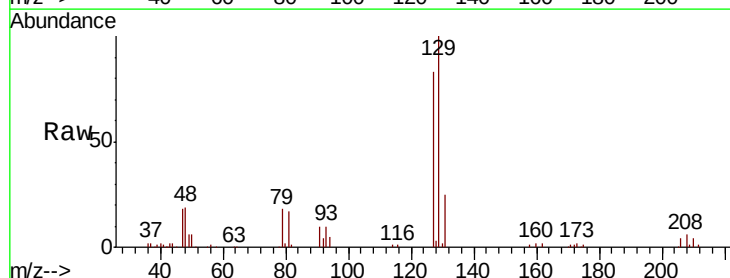
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

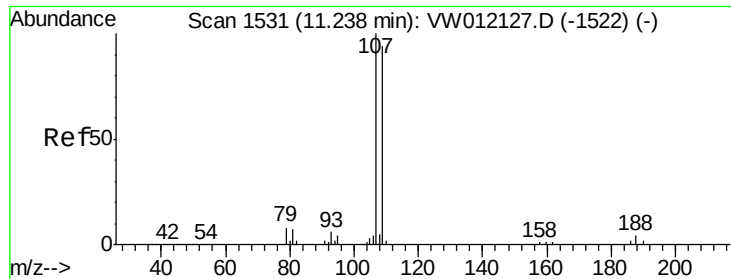
Tgt Ion: 43 Resp: 152981
Ion Ratio Lower Upper
43 100
58 48.5 24.3 72.9



#60
Dibromochloromethane
Concen: 19.068 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 129 Resp: 43544
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.186 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

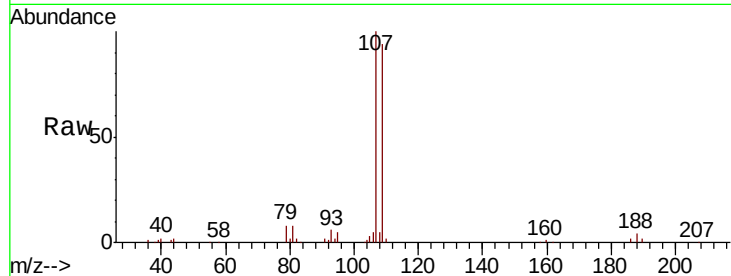
VSTDIC020

Tgt Ion: 107 Resp: 36648

Ion Ratio Lower Upper

107 100

109 95.6 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

20000

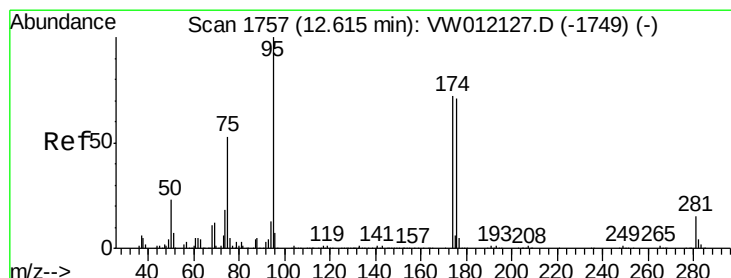
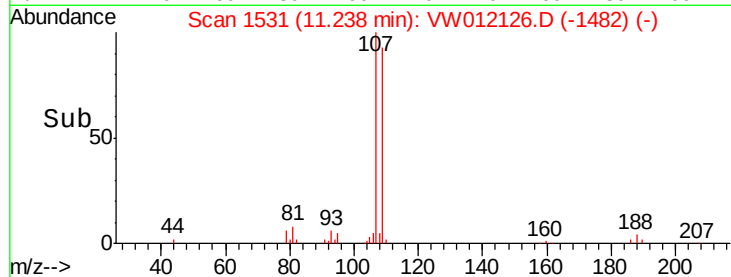
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 19.026 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

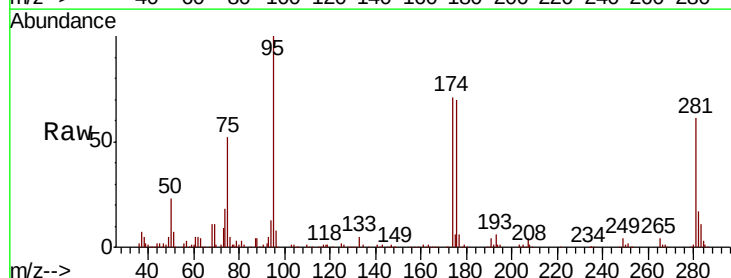
Tgt Ion: 95 Resp: 69615

Ion Ratio Lower Upper

95 100

174 76.1 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

50000

40000

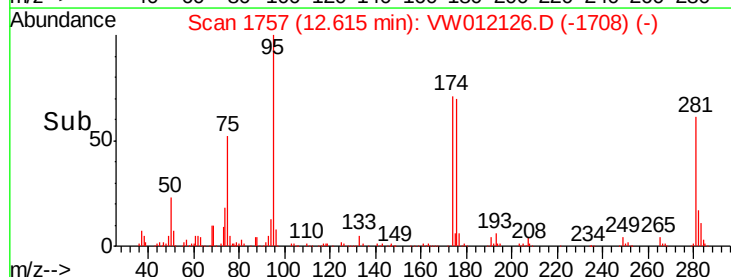
30000

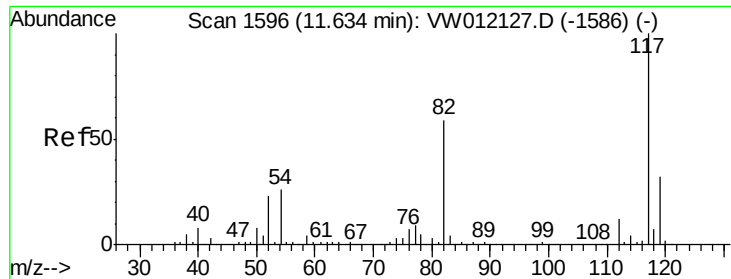
20000

10000

0

Time-->

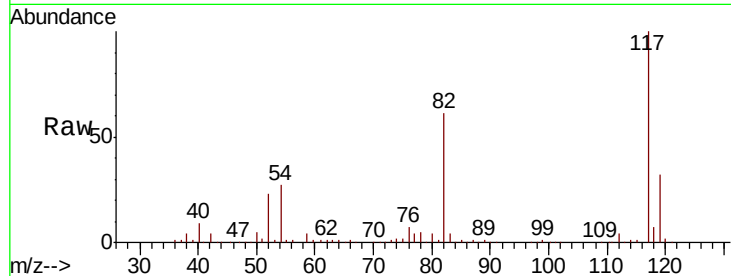




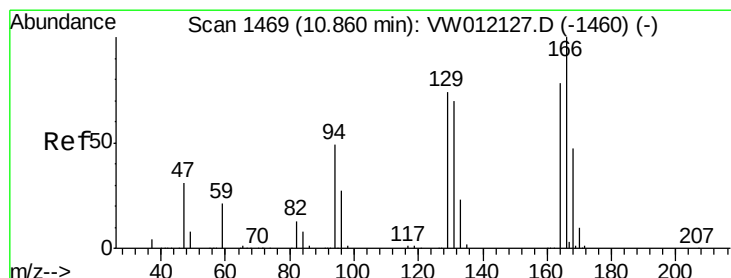
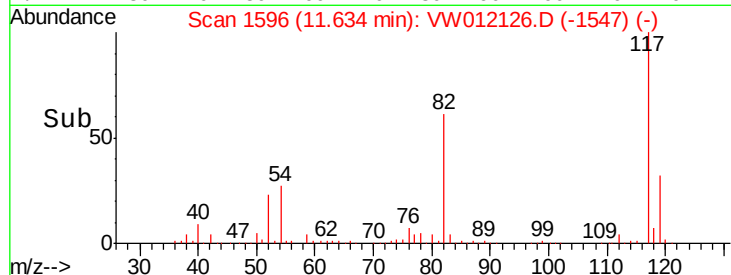
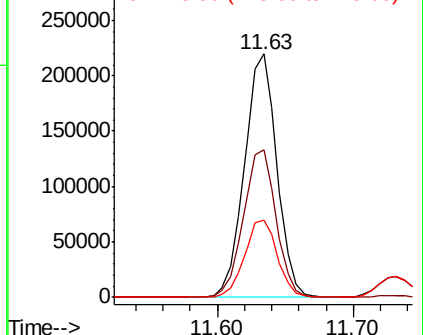
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 365857
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 31.7 25.4 38.2



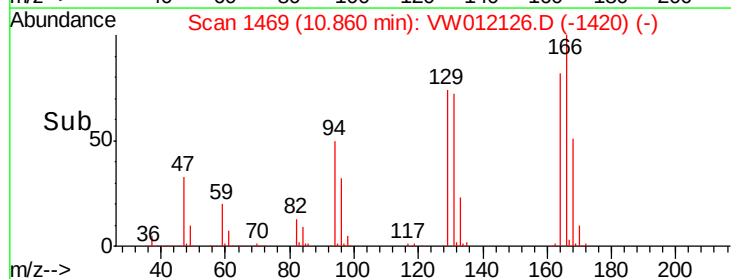
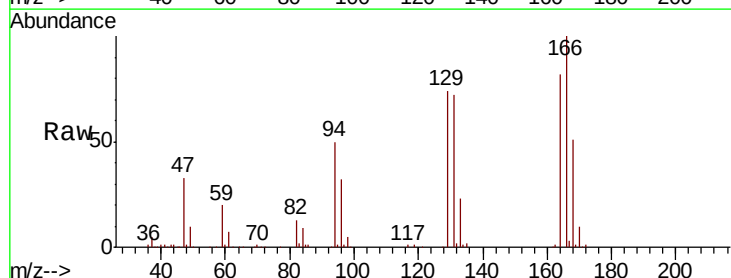
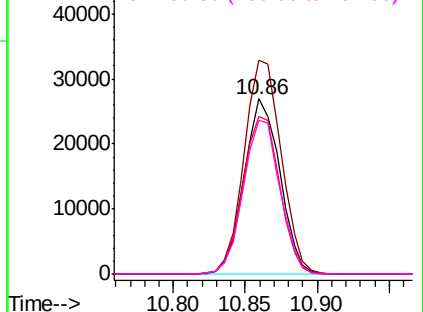
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

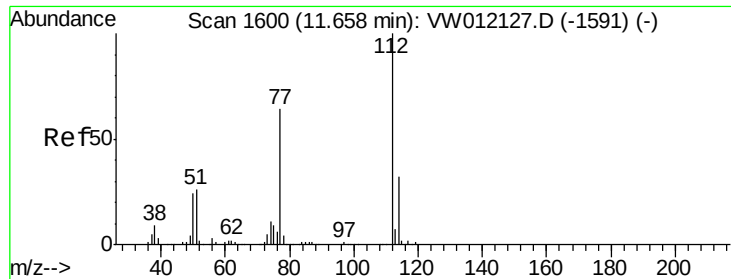


#64
Tetrachloroethene
Concen: 19.562 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion:164 Resp: 46400
Ion Ratio Lower Upper
164 100
166 122.0 102.4 153.6
129 90.2 75.8 113.6
131 87.5 71.4 107.2

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





#65

Chlorobenzene

Concen: 19.540 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

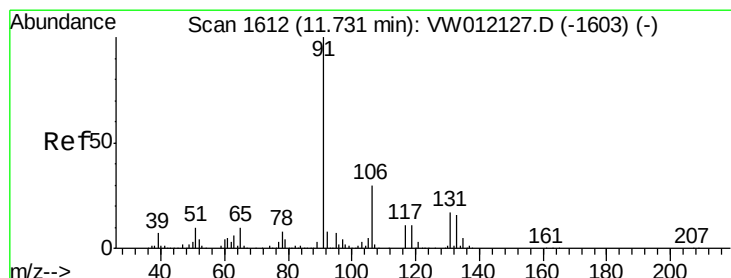
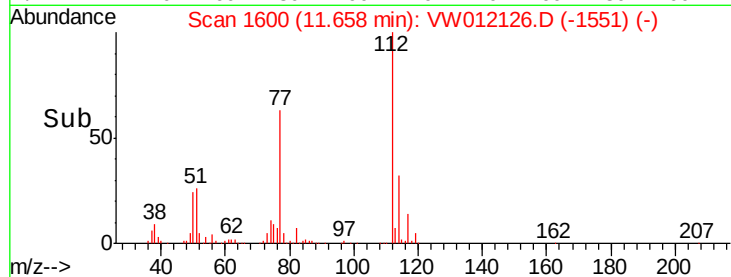
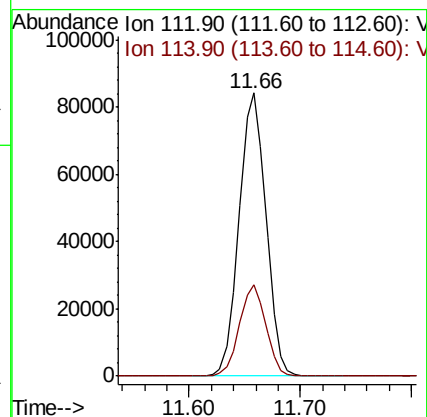
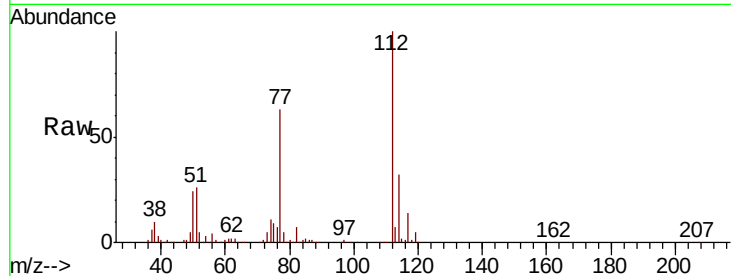
VSTDIC020

Tgt Ion:112 Resp: 140767

Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 19.641 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

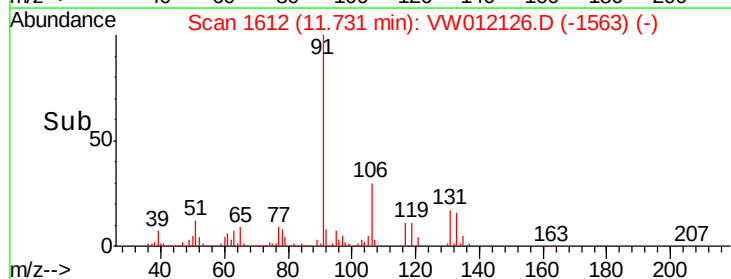
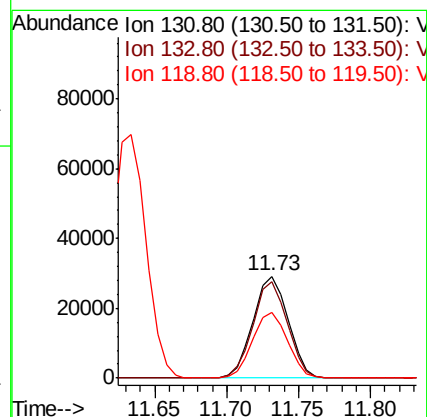
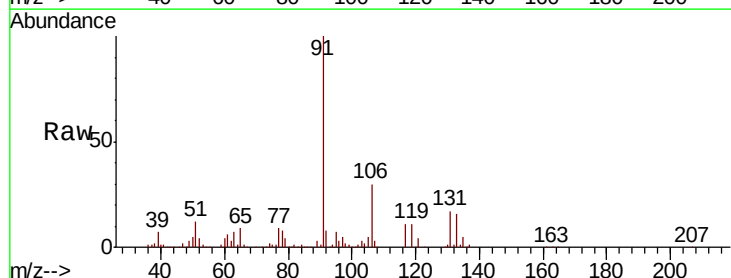
Tgt Ion:131 Resp: 49363

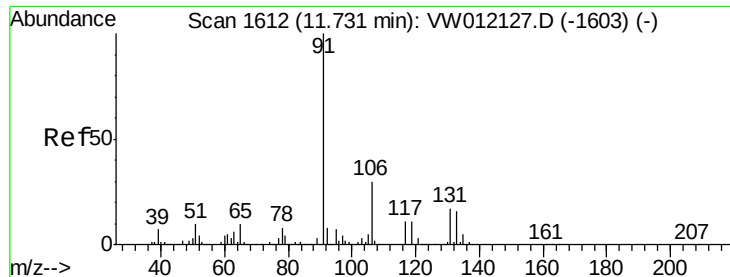
Ion Ratio Lower Upper

131 100

133 93.1 47.1 141.3

119 64.5 31.8 95.3





#67

Ethyl Benzene

Concen: 19.363 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

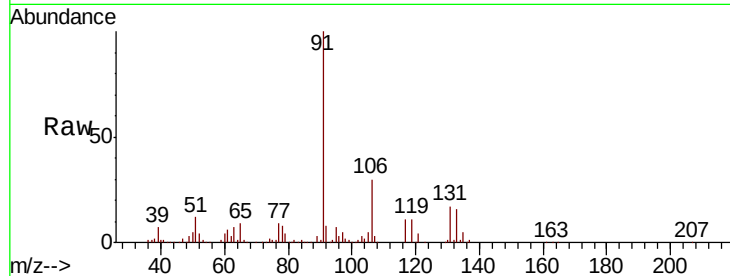
VSTDIC020

Tgt Ion: 91 Resp: 268705

Ion Ratio Lower Upper

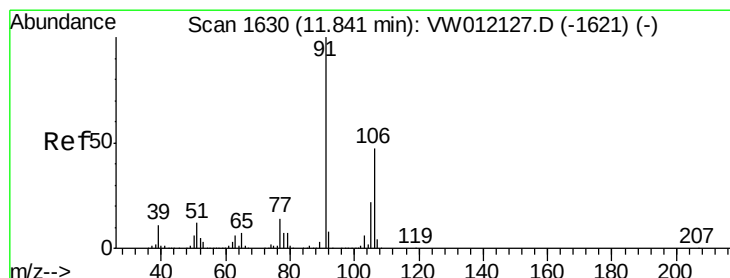
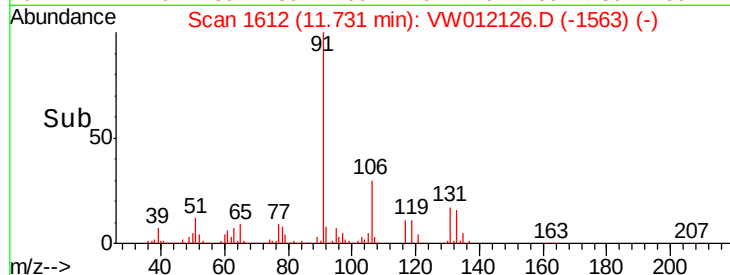
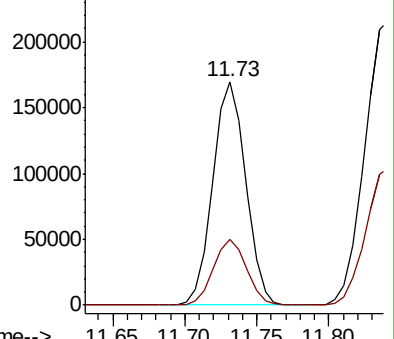
91 100

106 29.5 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.008 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012126.D

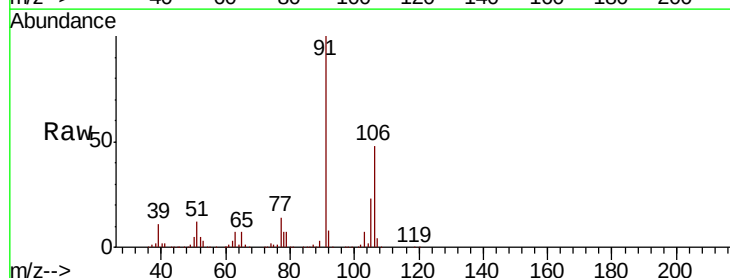
Acq: 23 Aug 2019 10:37

Tgt Ion: 106 Resp: 194994

Ion Ratio Lower Upper

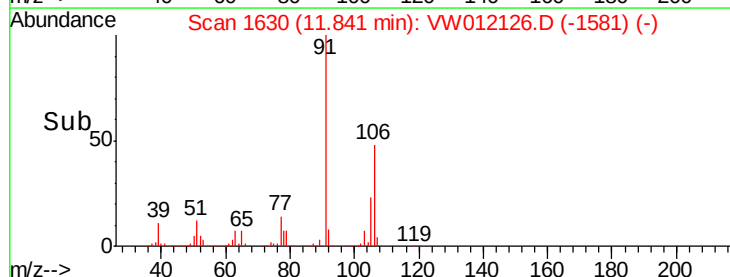
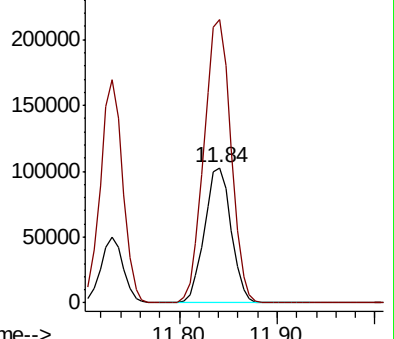
106 100

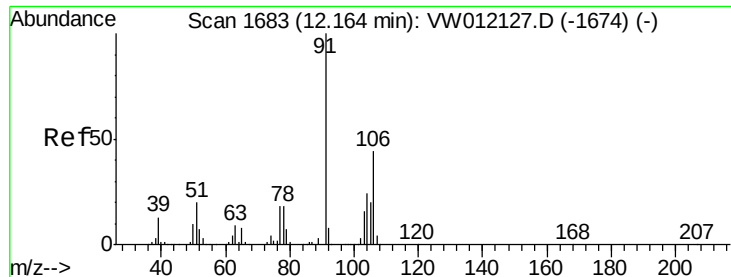
91 211.4 169.5 254.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

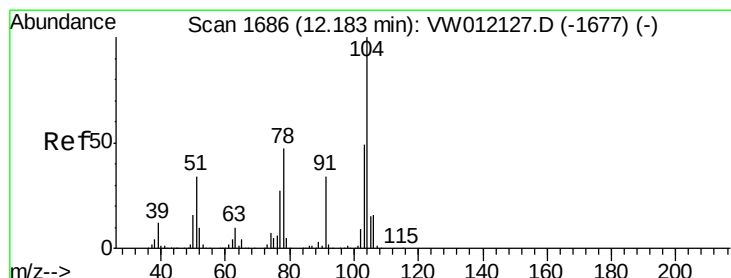
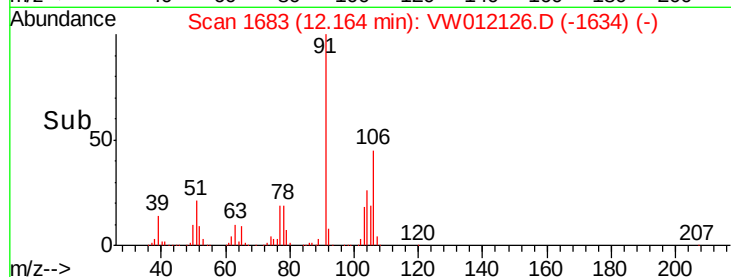
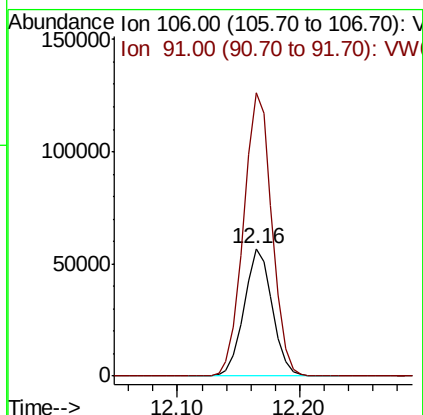
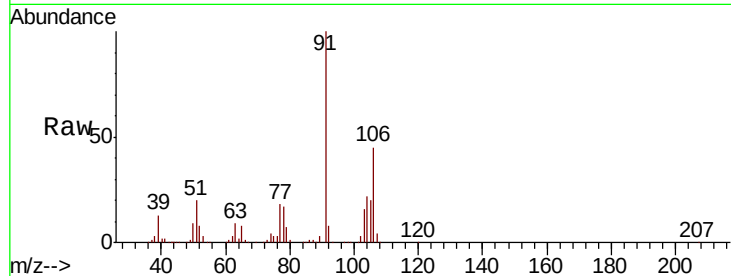




#69
o-Xylene
Concen: 19.504 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

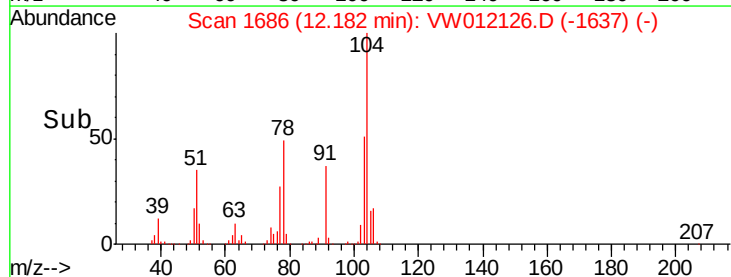
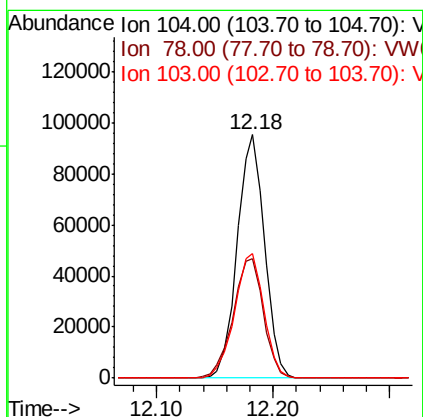
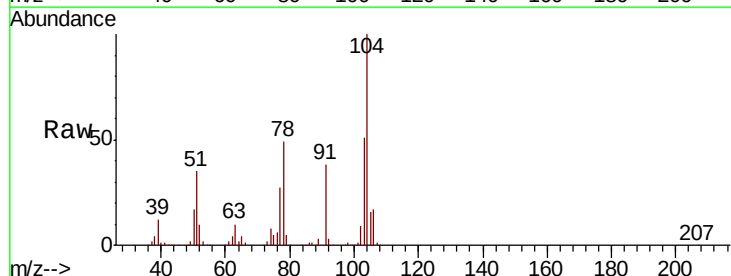
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

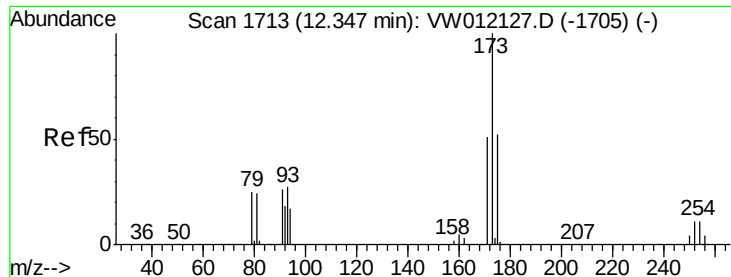
Tgt Ion:106 Resp: 90236
Ion Ratio Lower Upper
106 100
91 224.7 111.6 334.6



#70
Styrene
Concen: 19.507 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion:104 Resp: 156214
Ion Ratio Lower Upper
104 100
78 54.2 43.1 64.7
103 55.0 43.5 65.3





#71

Bromoform

Concen: 19.529 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

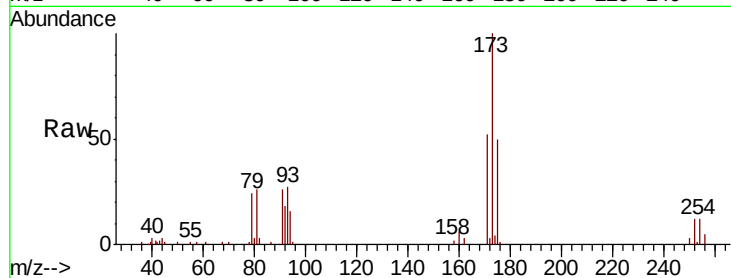
Tgt Ion:173 Resp: 24453

Ion Ratio Lower Upper

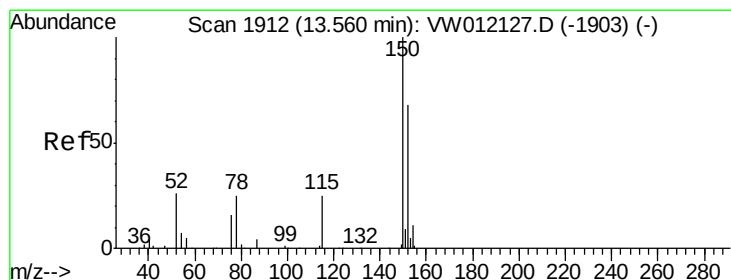
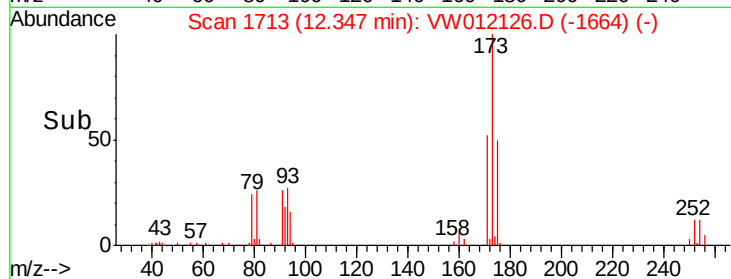
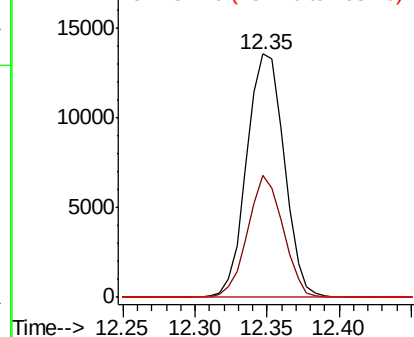
173 100

175 47.2 24.6 74.0

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

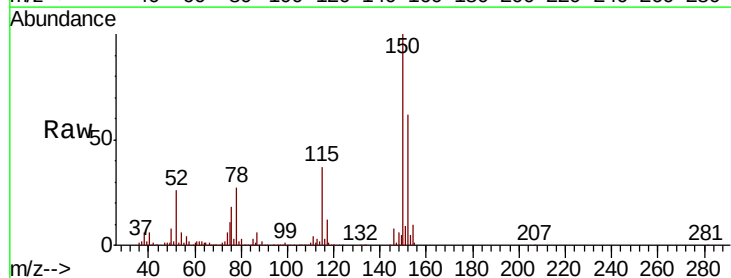
Tgt Ion:152 Resp: 174368

Ion Ratio Lower Upper

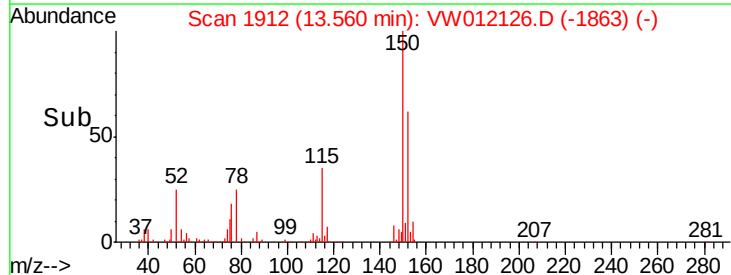
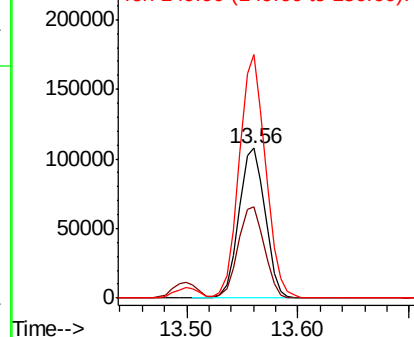
152 100

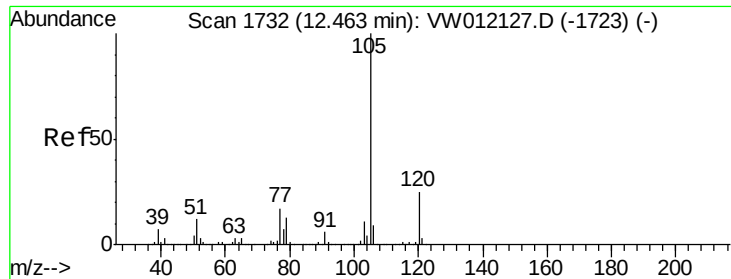
115 61.4 30.1 90.3

150 163.7 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: 19.443 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

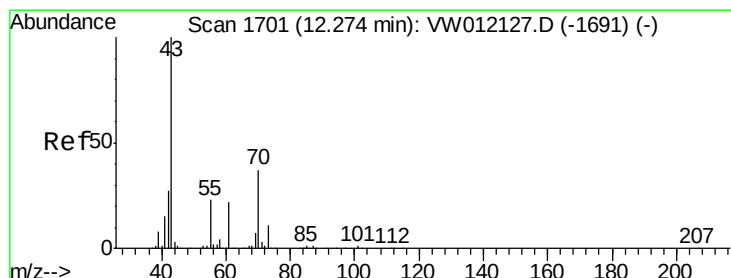
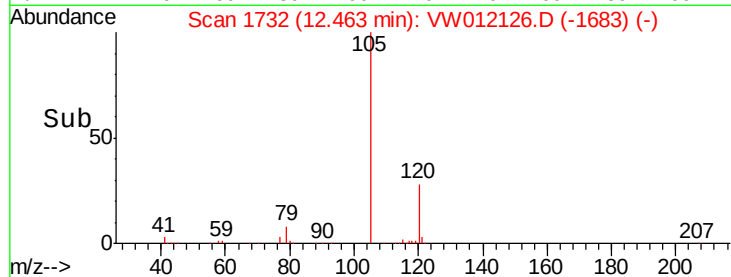
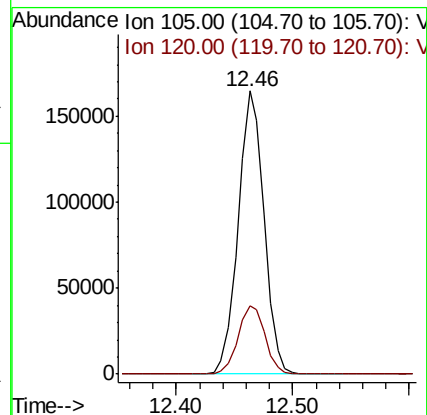
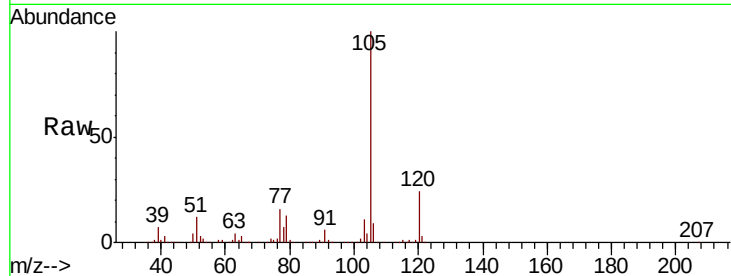
VSTDIC020

Tgt Ion:105 Resp: 254037

Ion Ratio Lower Upper

105 100

120 25.1 12.5 37.5



#74

N-ethyl acetate

Concen: 19.263 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Tgt Ion: 43 Resp: 76039

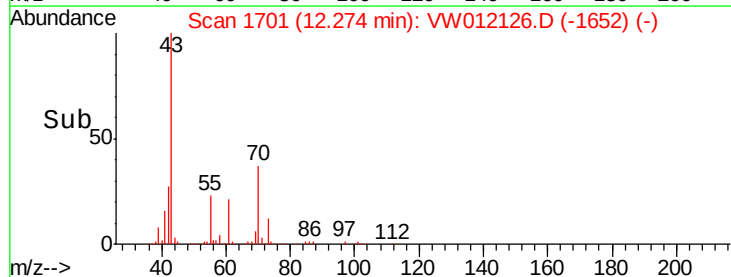
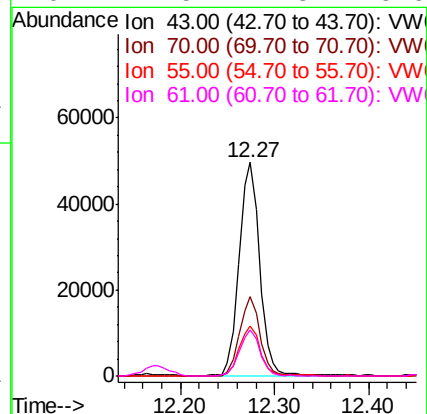
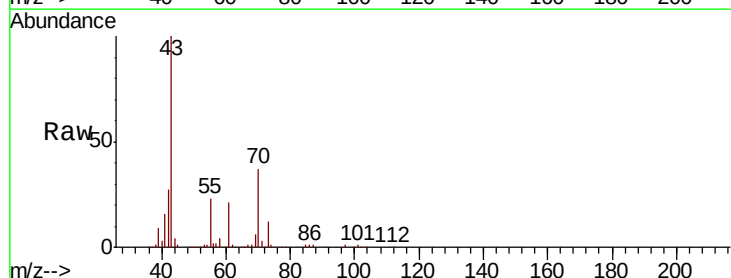
Ion Ratio Lower Upper

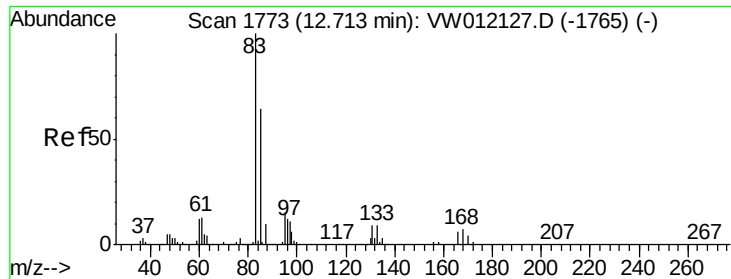
43 100

70 36.5 28.6 43.0

55 23.4 17.8 26.6

61 21.5 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.777 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

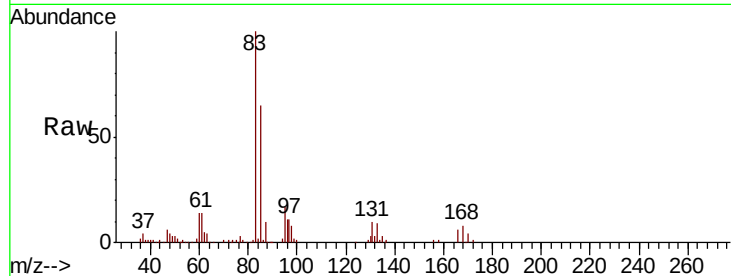
Tgt Ion: 83 Resp: 47373

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

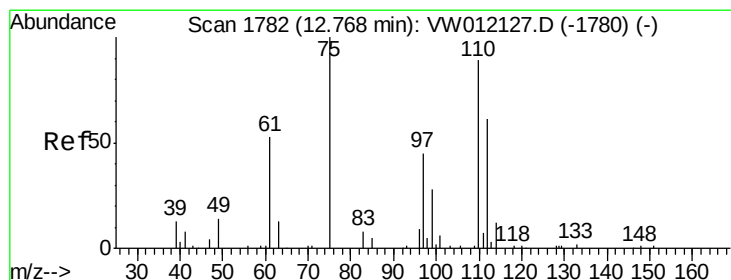
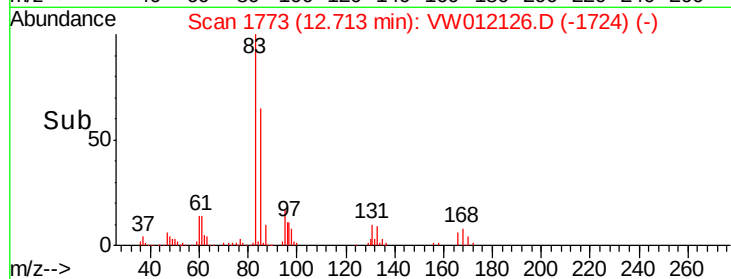
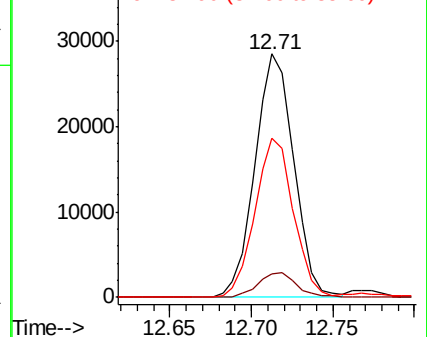
85 64.9 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.050 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012126.D

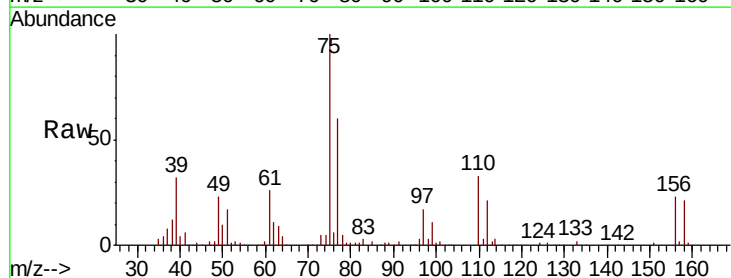
Acq: 23 Aug 2019 10:37

Tgt Ion: 75 Resp: 62249

Ion Ratio Lower Upper

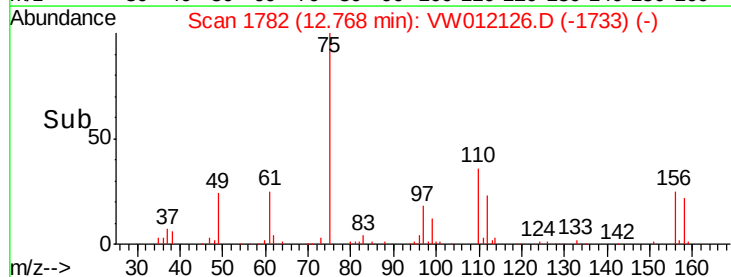
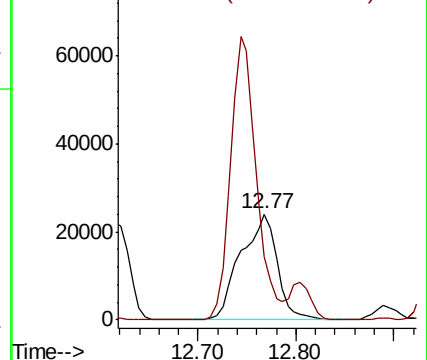
75 100

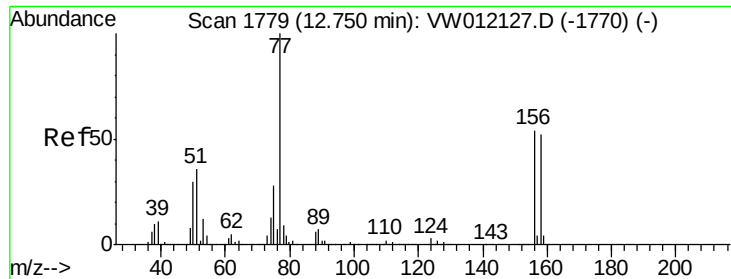
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.517 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

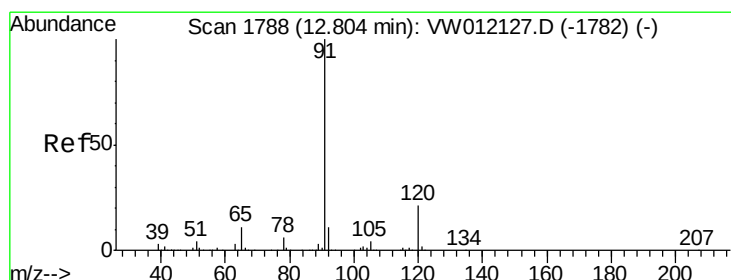
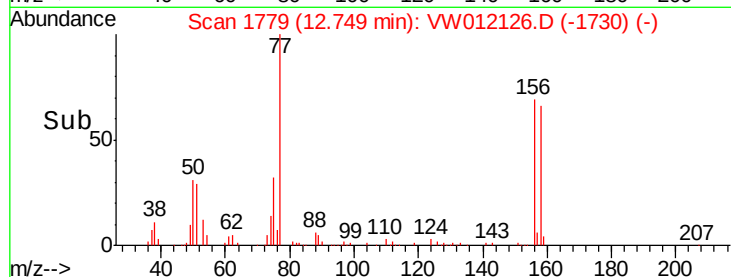
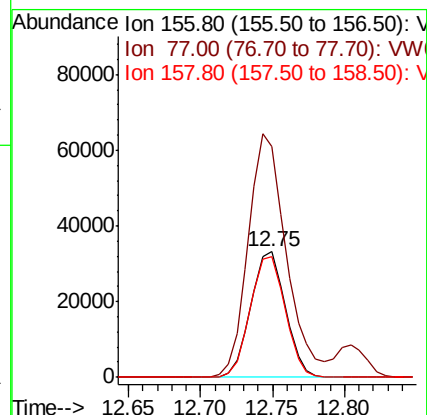
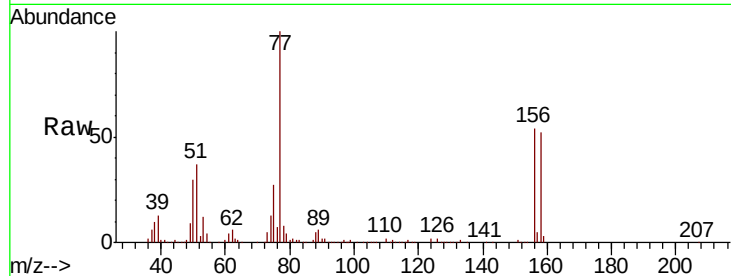
Tgt Ion:156 Resp: 55167

Ion Ratio Lower Upper

156 100

77 213.6 107.3 321.8

158 97.2 49.0 147.0



#78

n-propylbenzene

Concen: 19.550 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012126.D

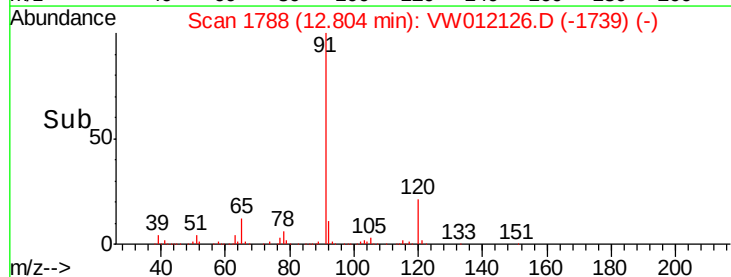
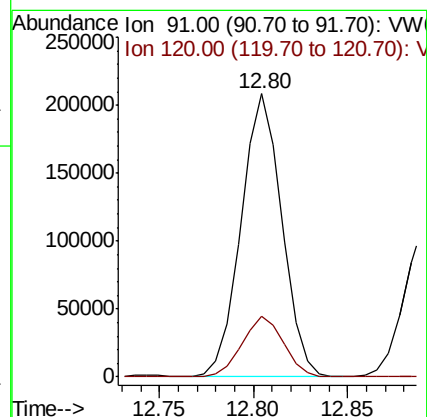
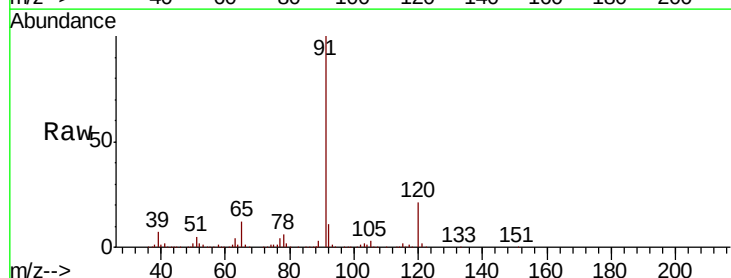
Acq: 23 Aug 2019 10:37

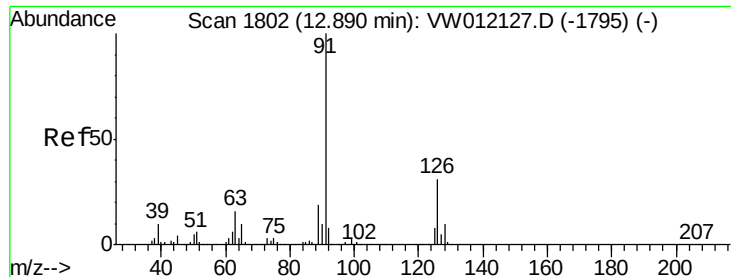
Tgt Ion: 91 Resp: 311824

Ion Ratio Lower Upper

91 100

120 21.6 10.5 31.6





#79

2-Chlorotoluene

Concen: 19.503 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

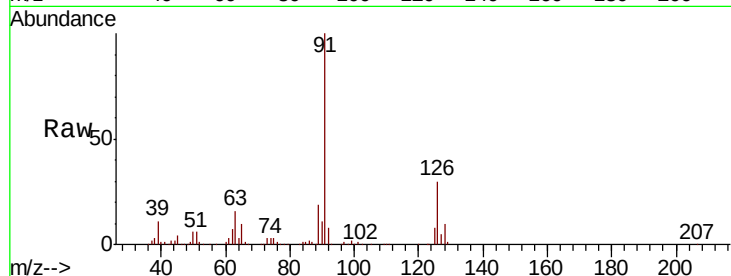
VSTDIC020

Tgt Ion: 91 Resp: 176618

Ion Ratio Lower Upper

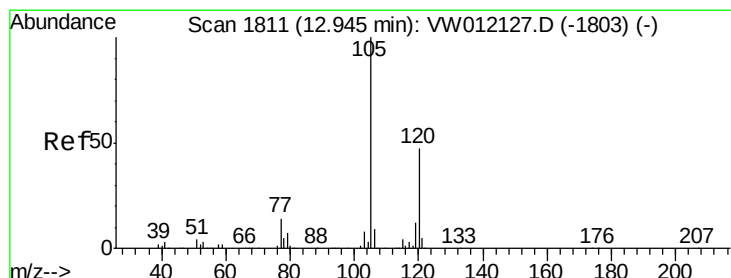
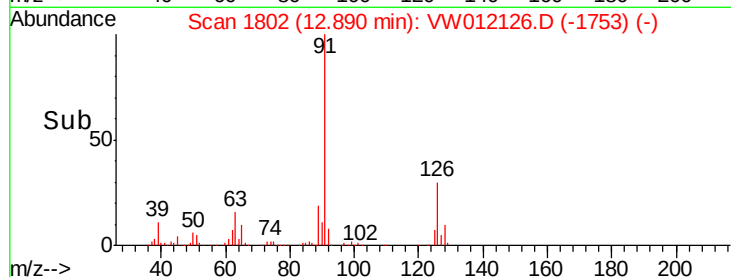
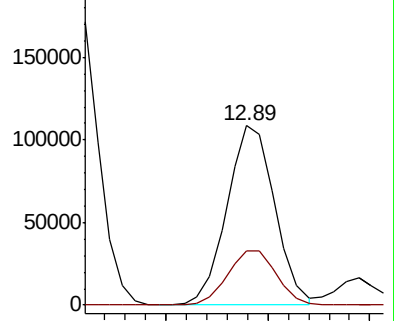
91 100

126 31.4 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.596 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012126.D

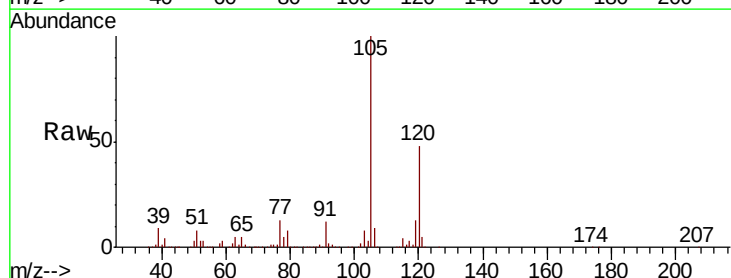
Acq: 23 Aug 2019 10:37

Tgt Ion: 105 Resp: 213944

Ion Ratio Lower Upper

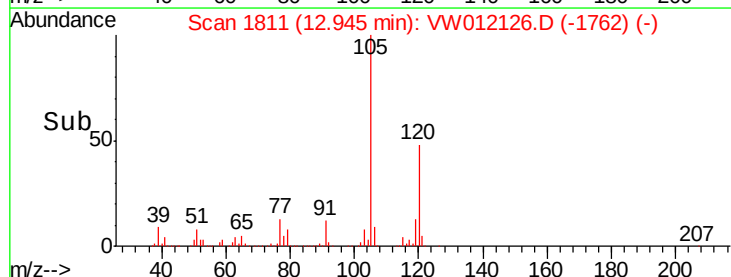
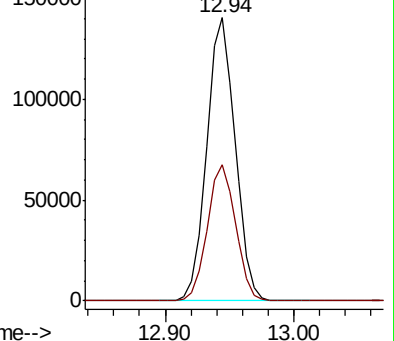
105 100

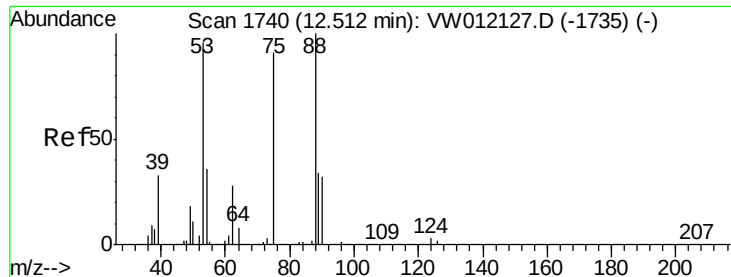
120 47.9 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.429 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

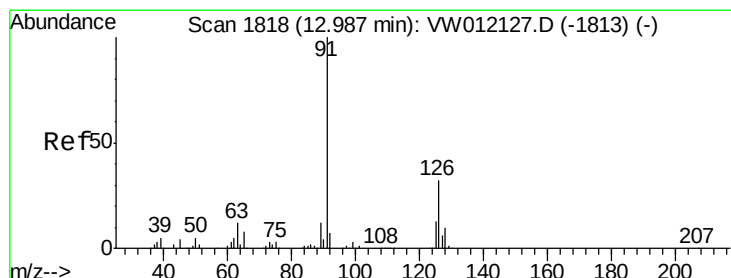
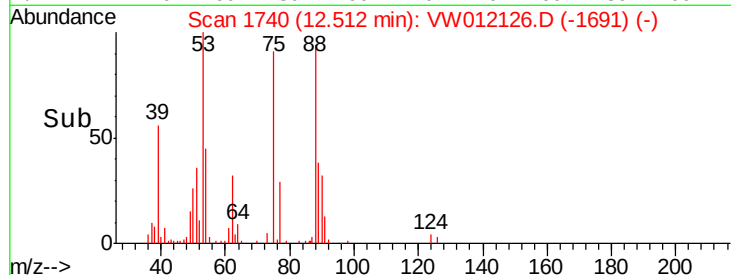
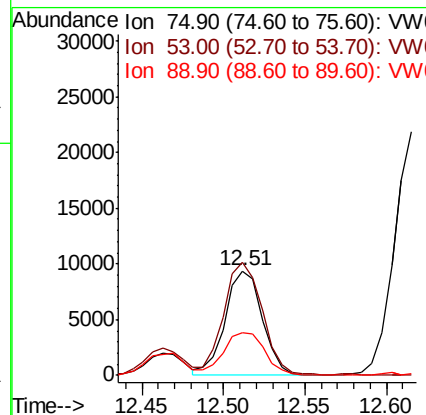
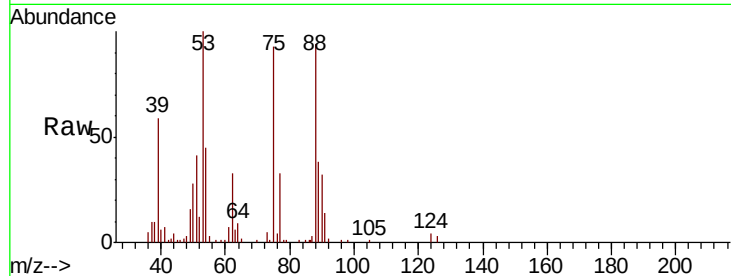
Tgt Ion: 75 Resp: 15049

Ion Ratio Lower Upper

75 100

53 110.2 89.4 134.0

89 44.5 34.5 51.7



#82

4-Chlorotoluene

Concen: 19.357 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012126.D

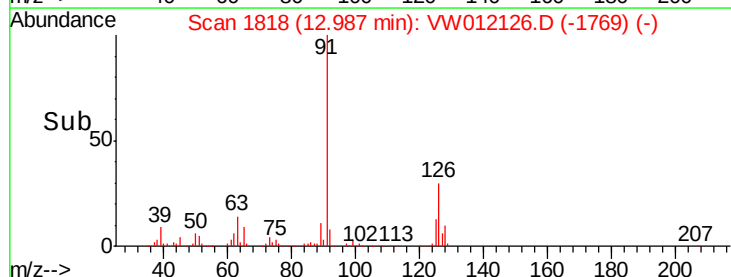
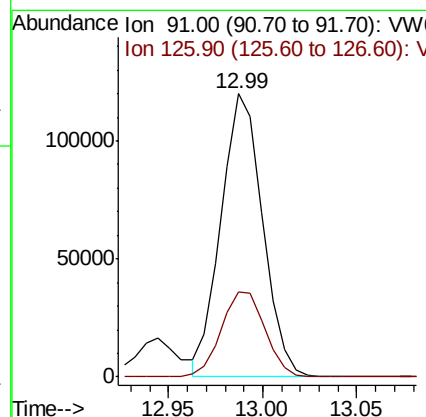
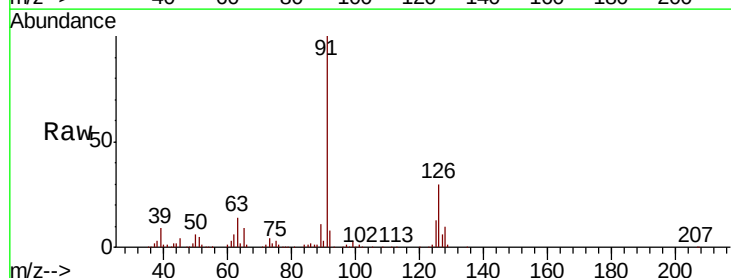
Acq: 23 Aug 2019 10:37

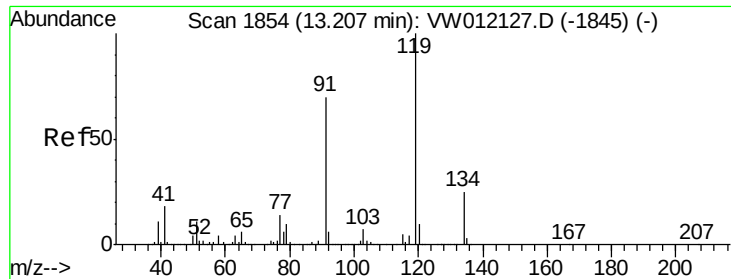
Tgt Ion: 91 Resp: 183548

Ion Ratio Lower Upper

91 100

126 31.7 15.6 46.8

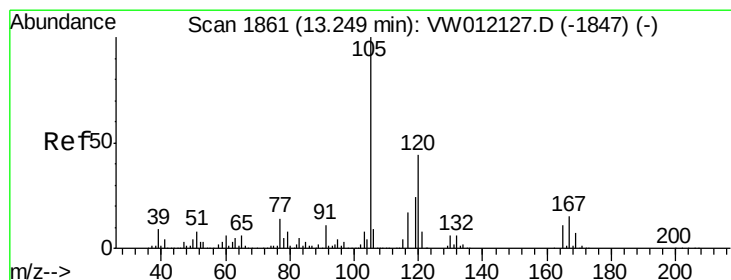
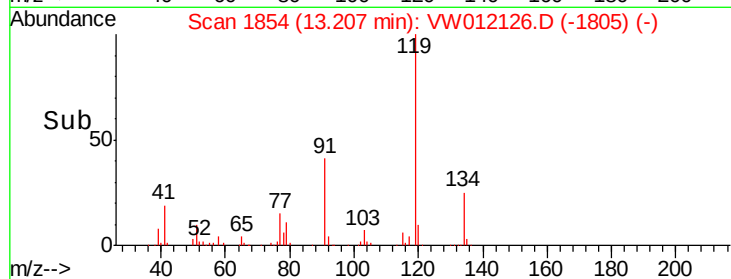
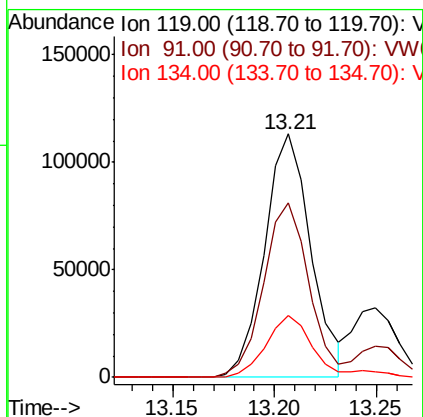
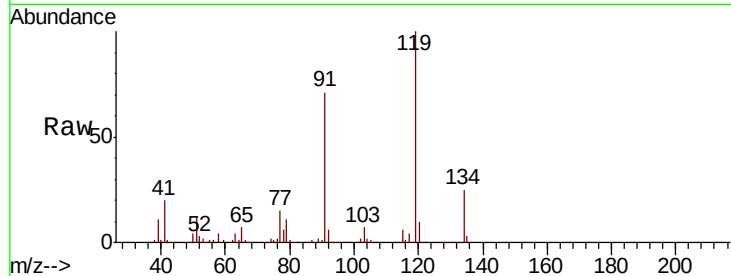




#83
 tert-Butylbenzene
 Concen: 19.384 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

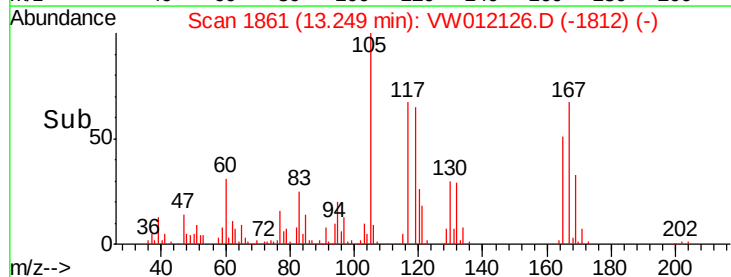
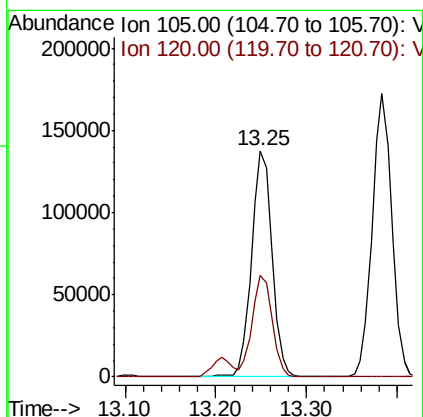
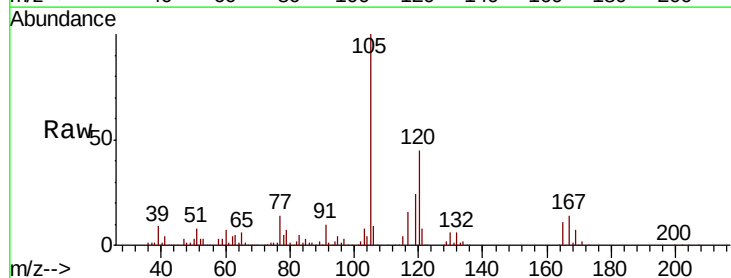
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

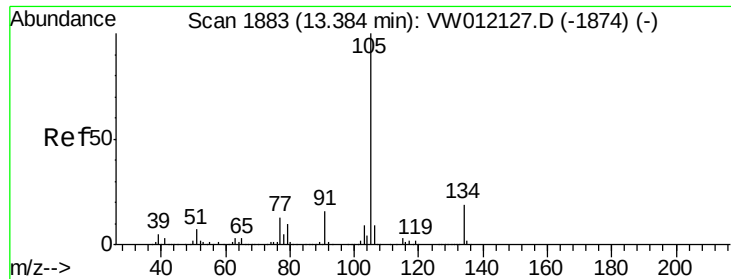
Tgt Ion:119 Resp: 179262
 Ion Ratio Lower Upper
 119 100
 91 69.8 34.8 104.3
 134 25.1 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.687 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion:105 Resp: 215906
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.7





#85

sec-Butylbenzene

Concen: 19.458 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

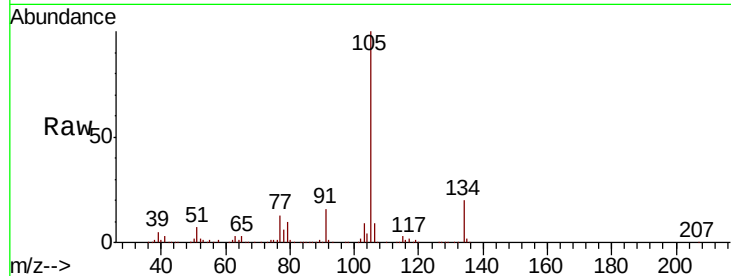
VSTDIC020

Tgt Ion:105 Resp: 257806

Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

200000

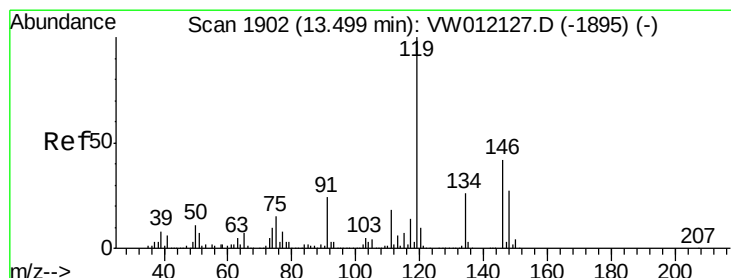
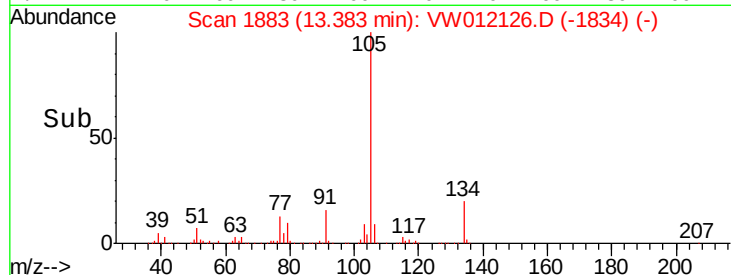
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 19.377 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

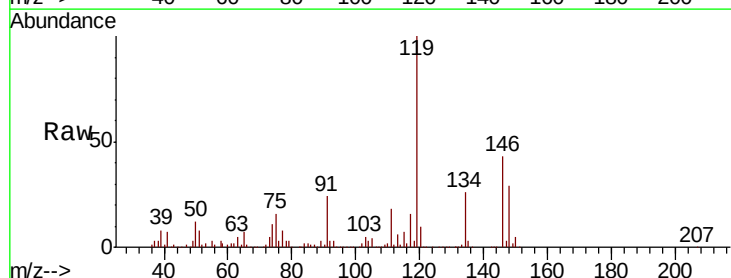
Tgt Ion:119 Resp: 229276

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.3

91 24.6 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

200000

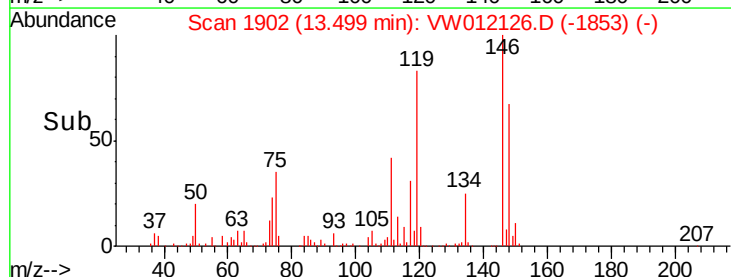
150000

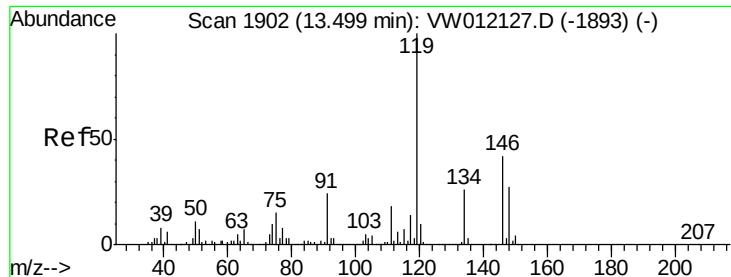
100000

50000

0

Time--> 13.45 13.50 13.55

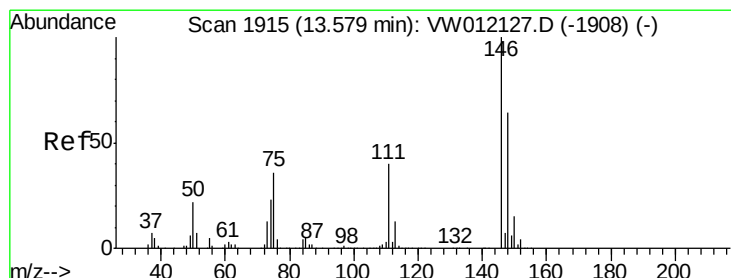
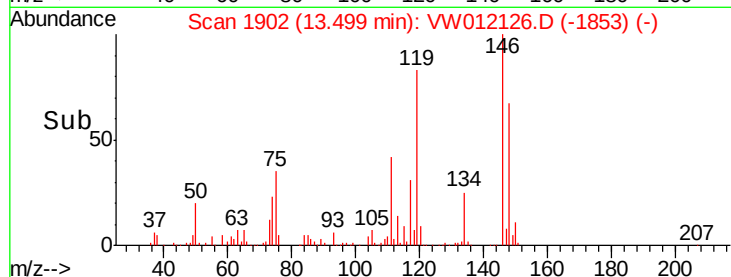
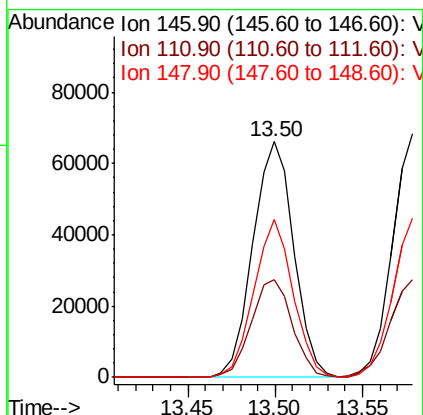
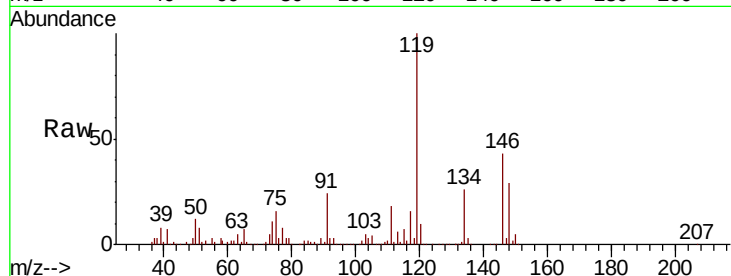




#87
 1,3-Dichlorobenzene
 Concen: 19.544 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

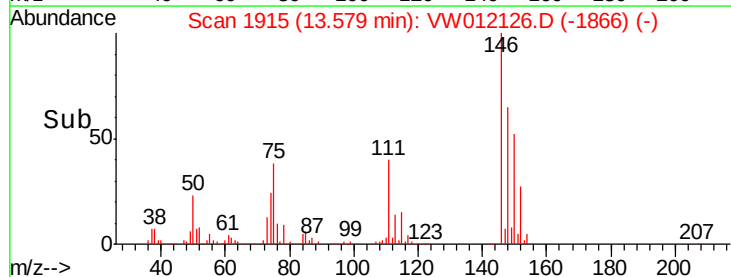
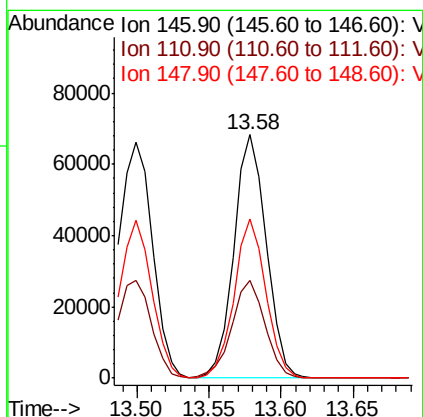
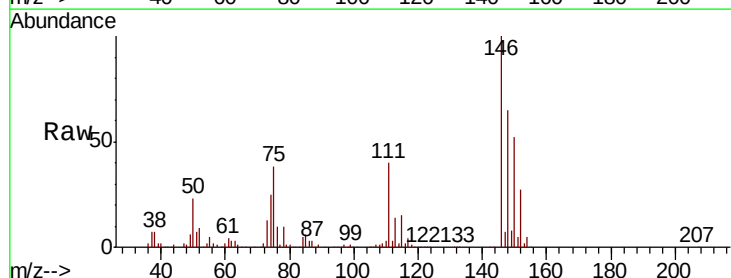
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

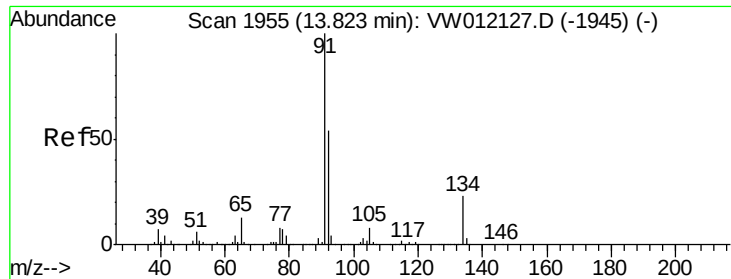
Tgt Ion:146 Resp: 108052
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.9 62.7
 148 64.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.492 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion:146 Resp: 107002
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.0 60.0
 148 64.4 32.1 96.3





#89

n-Butylbenzene

Concen: 19.331 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

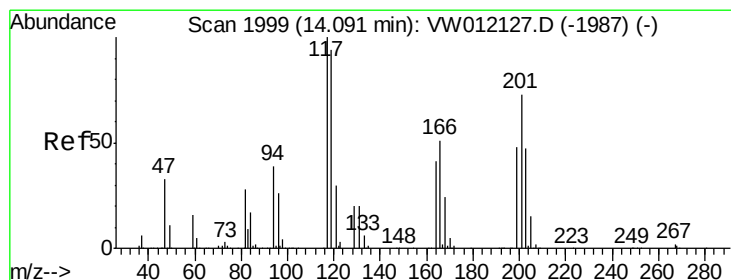
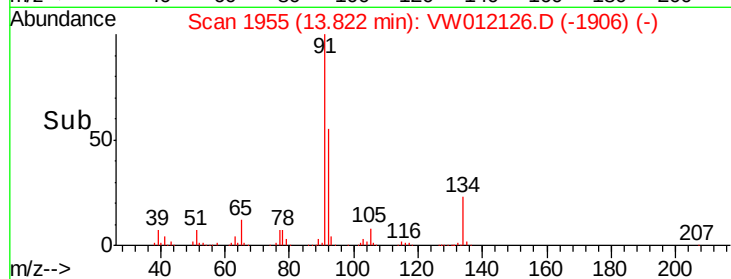
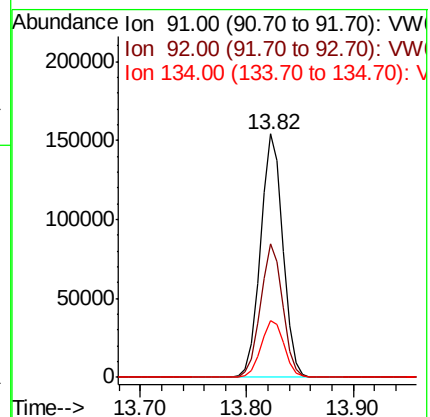
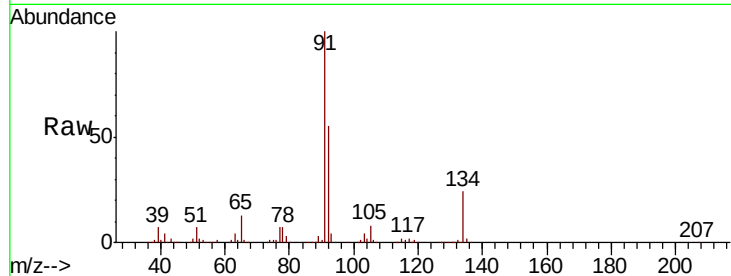
Tgt Ion: 91 Resp: 227470

Ion Ratio Lower Upper

91 100

92 54.1 27.1 81.2

134 24.0 12.2 36.4



#90

Hexachloroethane

Concen: 18.672 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012126.D

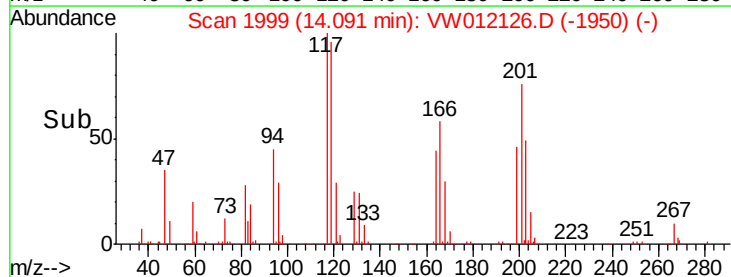
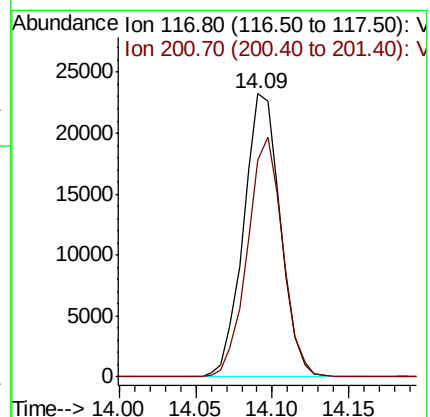
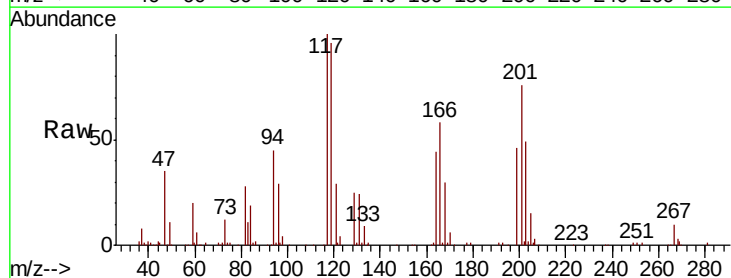
Acq: 23 Aug 2019 10:37

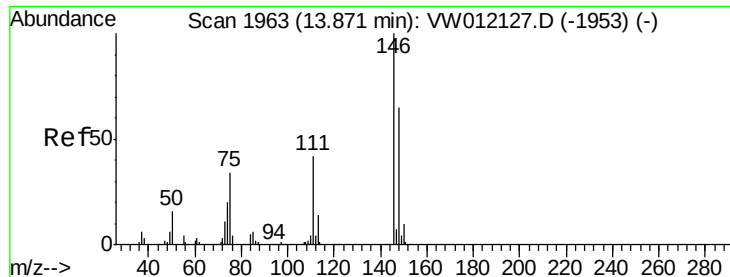
Tgt Ion: 117 Resp: 38764

Ion Ratio Lower Upper

117 100

201 81.2 38.6 115.7

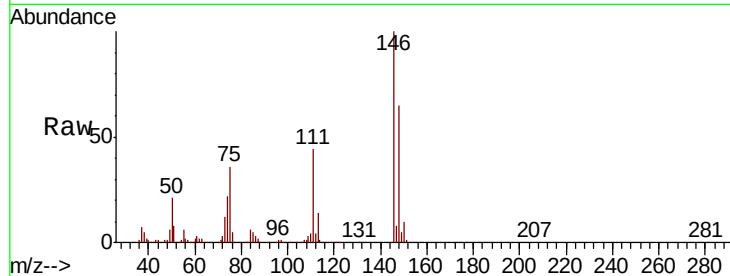




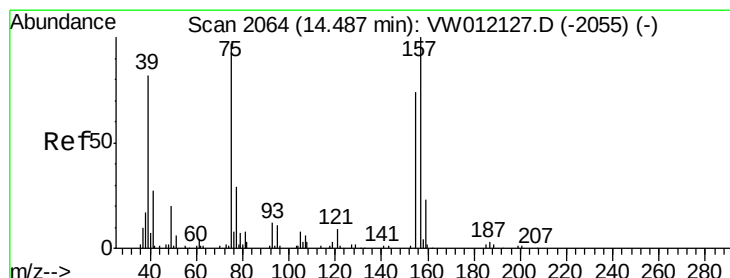
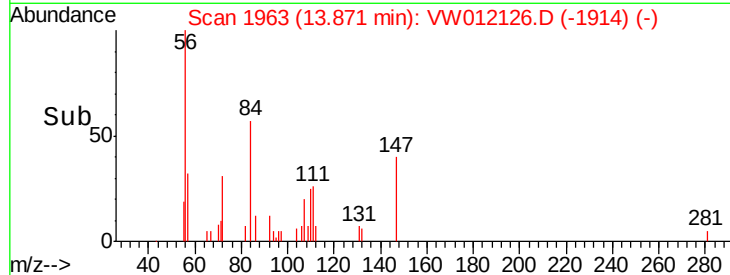
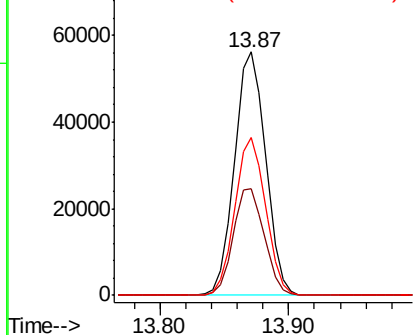
#91
 1,2-Dichlorobenzene
 Concen: 19.444 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:146 Resp: 94306
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.2 63.6
 148 64.1 32.5 97.4

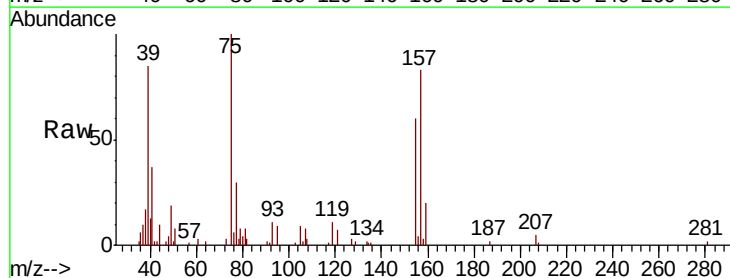


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

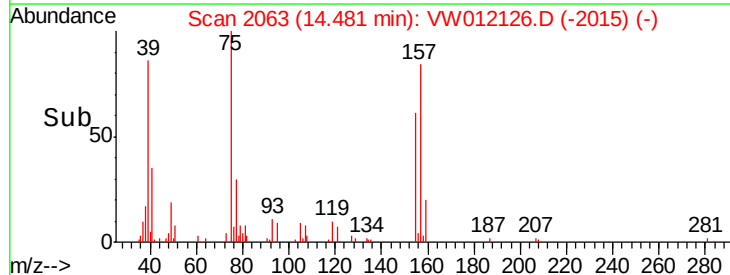
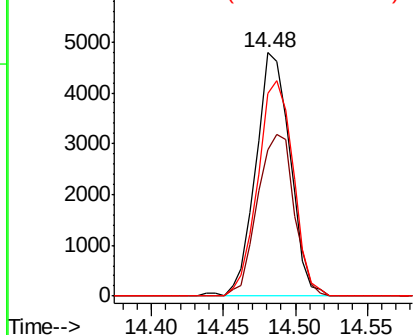


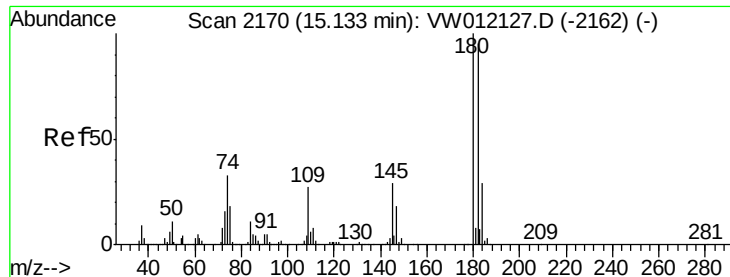
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.529 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion: 75 Resp: 7886
 Ion Ratio Lower Upper
 75 100
 155 71.0 37.5 112.3
 157 91.3 50.5 151.5



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

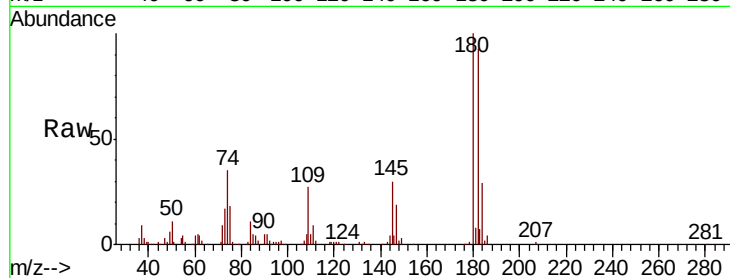




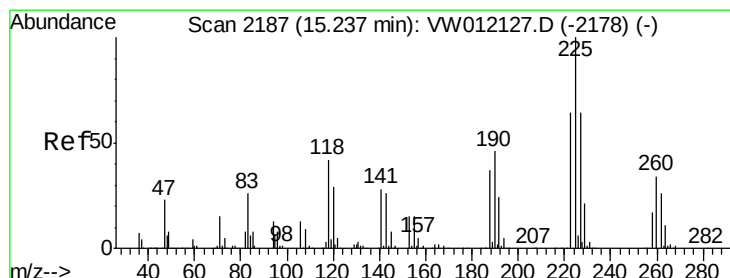
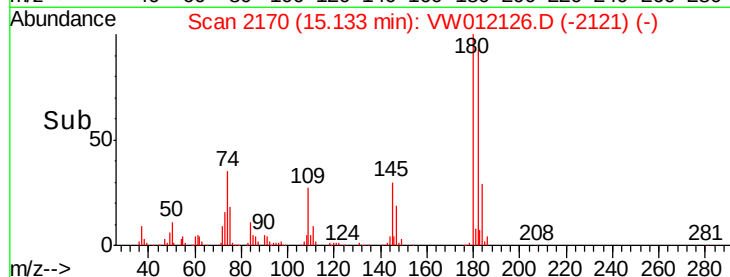
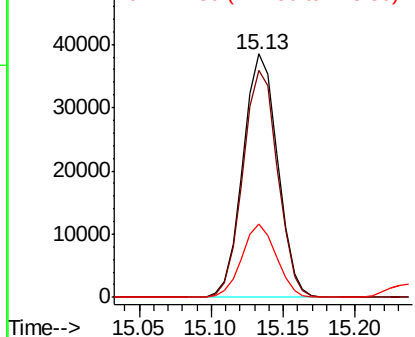
#93
 1,2,4-Trichlorobenzene
 Concen: 19.136 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 64140
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.8 143.4
 145 30.0 15.0 45.1

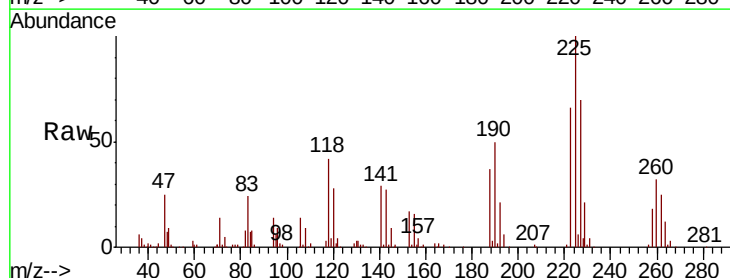


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

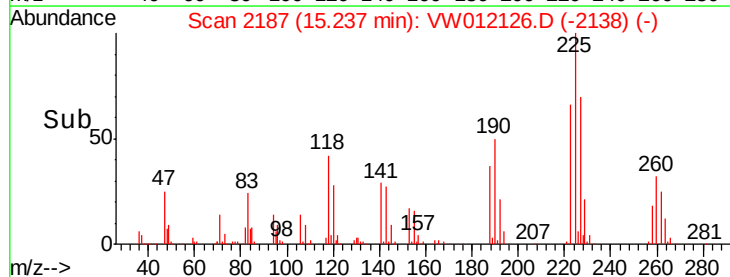
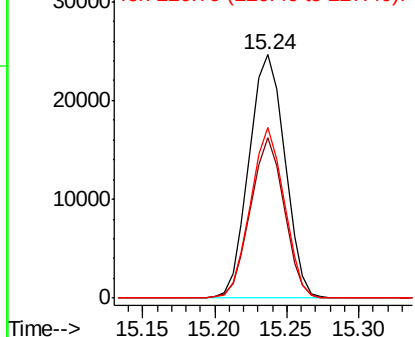


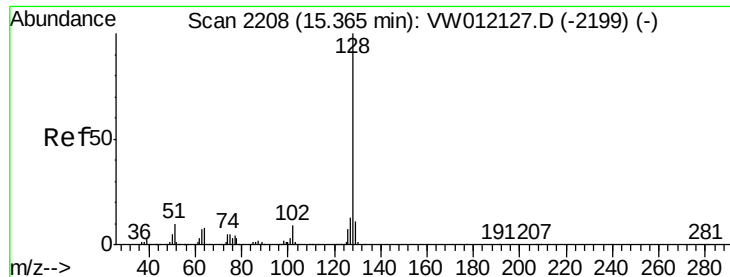
#94
 Hexachlorobutadiene
 Concen: 19.199 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion:225 Resp: 42491
 Ion Ratio Lower Upper
 225 100
 223 61.9 32.3 96.8
 227 65.9 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

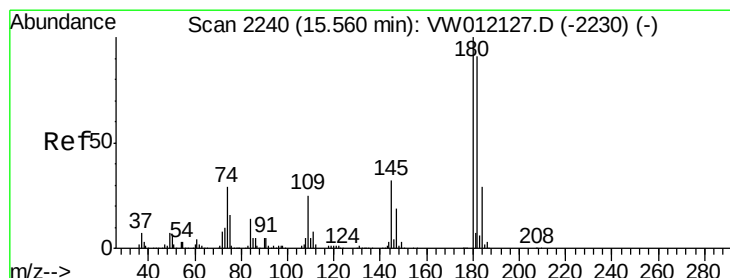
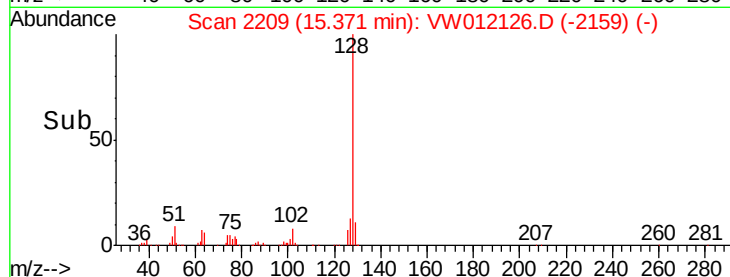
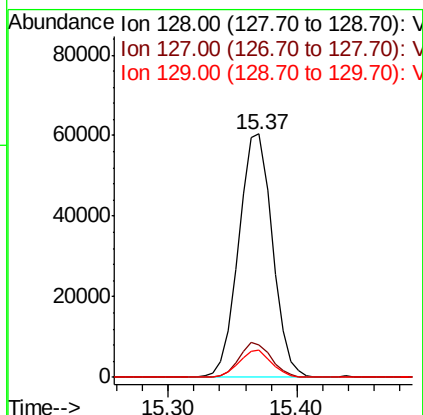
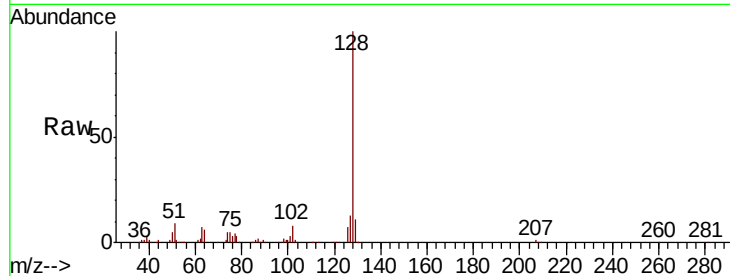




#95
Naphthalene
Concen: 18.683 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.825 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.1	141.3
145	32.5	16.2	48.5

