

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122318\
 Data File : VW007830.D
 Acq On : 22 Dec 2018 09:15
 Operator : SY/AP
 Sample : J6426-11
 Misc : 5.22G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-3036-01

Quant Time: Dec 23 23:48:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	40625	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.85	114	78840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	32332	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.57	152	7171	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	28880	64.86	ug/l	0.00
Spiked Amount			Recovery	=	129.72%	
35) Dibromofluoromethane	7.89	113	25098	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
50) Toluene-d8	10.37	98	50304	27.74	ug/l	0.04
Spiked Amount			Recovery	=	55.48%	
62) 4-Bromofluorobenzene	12.62	95	10509	15.00	ug/l	0.00
Spiked Amount			Recovery	=	30.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	366	12.185	ug/l #	73
13) Acrolein	4.09	56	59	2.457	ug/l	91
15) Acrylonitrile	5.45	53	38906	506.656	ug/l #	39
16) Acetone	4.12	43	36752	440.773	ug/l	96
20) Methylene Chloride	4.92	84	4331	4.670	ug/l #	19
25) 2-Butanone	7.17	43	20869	213.683	ug/l #	73
26) 2,2-Dichloropropane	7.15	77	1042	1.967	ug/l #	1
27) cis-1,2-Dichloroethene	7.18	96	37244	79.302	ug/l	94
29) Tetrahydrofuran	7.53	42	78	1.339	ug/l #	27
31) Cyclohexane	7.96	56	340027	512.989	ug/l	94
36) 1,1-Dichloropropene	7.95	75	3530	4.639	ug/l #	40
37) Ethyl Acetate	7.17	43	20869	79.467	ug/l #	1
38) Carbon Tetrachloride	7.96	117	3852	4.298	ug/l #	11
39) Methylcyclohexane	9.35	83	643950	681.026	ug/l	98
40) Benzene	8.33	78	29906	14.728	ug/l	99
41) Methacrylonitrile	7.52	41	234	1.569	ug/l #	40
42) 1,2-Dichloroethane	8.41	62	1473	2.165	ug/l #	77
43) Isopropyl Acetate	8.43	43	25770	48.980	ug/l #	49
45) 1,2-Dichloropropane	9.35	63	6622	14.697	ug/l #	1
48) Methyl methacrylate	9.52	41	16383	62.382	ug/l #	43
51) 4-Methyl-2-Pentanone	10.11	43	160531	645.611	ug/l #	38
52) Toluene	10.40	92	26489437	19443.507	ug/l #	1
53) t-1,3-Dichloropropene	10.40	75	270460	372.916	ug/l #	1
55) 1,1,2-Trichloroethane	10.77	97	47742	124.862	ug/l #	23
56) Ethyl methacrylate	10.63	69	5228	11.573	ug/l #	26
59) 2-Hexanone	10.94	43	57889	331.044	ug/l #	30
64) Tetrachloroethene	10.88	164	1349	5.892	ug/l #	85
65) Chlorobenzene	11.67	112	769145	1099.089	ug/l	98
67) Ethyl Benzene	11.84	91	2200506	1832.445	ug/l #	40
68) m/p-Xylenes	11.86	106	10319946	22153.874	ug/l #	1
69) o-Xylene	12.19	106	21203328	48558.409	ug/l #	1
70) Styrene	12.21	104	1257345	1751.724	ug/l #	1
71) Bromoform	12.34	173	354	2.727	ug/l #	29
73) Isopropylbenzene	12.48	105	1226135	2262.043	ug/l	100

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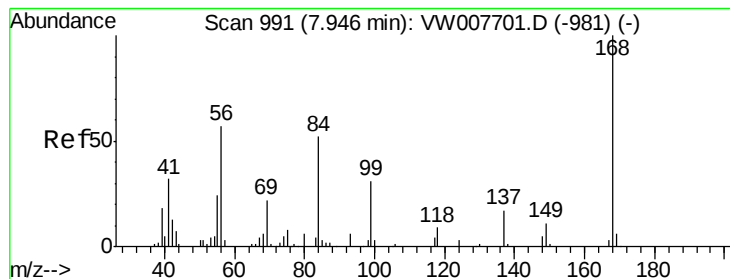
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-3036-01

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

74) N-amyl acetate	12.26	43	32029	341.131	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.79	83	8550	105.203	ug/l #	26
76) 1,2,3-Trichloropropane	12.82	75	11041	199.206	ug/l #	100
77) Bromobenzene	12.93	156	102467	824.858	ug/l #	50
78) n-propylbenzene	12.82	91	1729706	2741.308	ug/l	99
79) 2-Chlorotoluene	12.88	91	693133	1885.690	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.96	105	1687748	3609.731	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	15444	584.899	ug/l #	65
82) 4-Chlorotoluene	12.95	91	180463	461.093	ug/l #	42
83) tert-Butylbenzene	13.26	119	627298	1529.086	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.26	105	5029318	10660.097	ug/l	99
85) sec-Butylbenzene	13.26	105	5029318	8895.308	ug/l #	56
86) p-Isopropyltoluene	13.51	119	885435	1722.244	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	191147	774.992	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1197461	4853.595	ug/l	99
89) n-Butylbenzene	13.83	91	100239	212.649	ug/l #	77
90) Hexachloroethane	14.10	117	39380	436.301	ug/l #	13
91) 1,2-Dichlorobenzene	13.88	146	427693	1936.750	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	514	30.797	ug/l #	40
93) 1,2,4-Trichlorobenzene	15.14	180	667971	4357.591	ug/l	98
94) Hexachlorobutadiene	15.51	225	643	7.849	ug/l #	1
95) Naphthalene	15.38	128	2492477	8794.729	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	342761	2612.195	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

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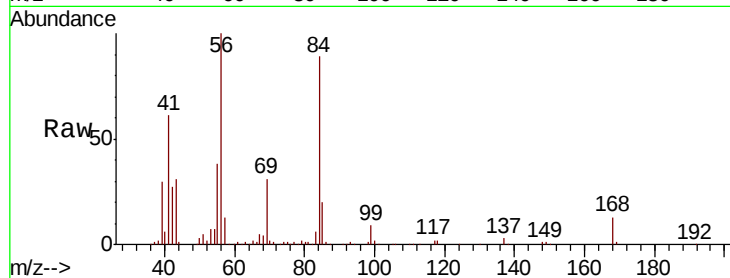
P001-SS013A-3036-01

Tgt Ion:168 Resp: 40625

Ion Ratio Lower Upper

168 100

99 65.2 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

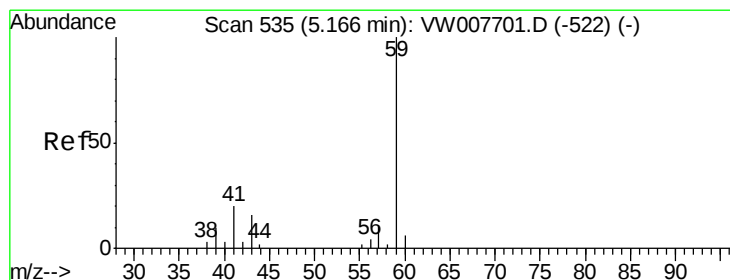
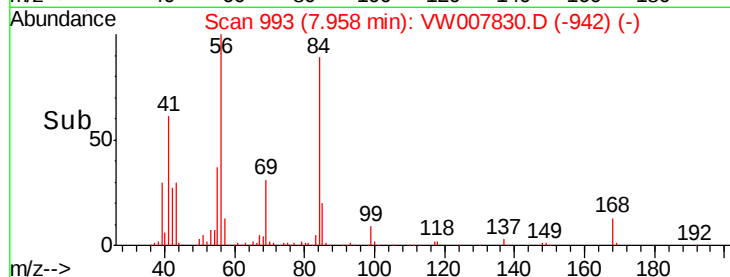
10000

5000

0

Time-->

7.80 8.00 8.20



#11

Tert butyl alcohol

Concen: 12.185 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW007830.D

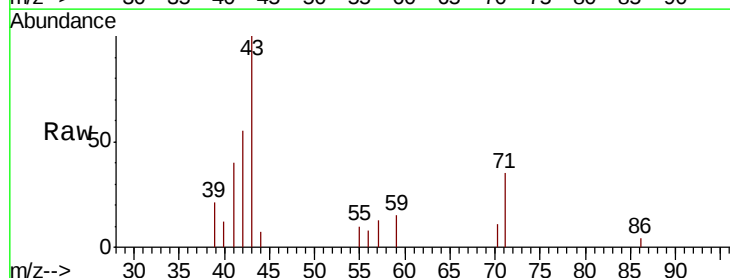
Acq: 22 Dec 2018 09:15

Tgt Ion: 59 Resp: 366

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

1000

800

600

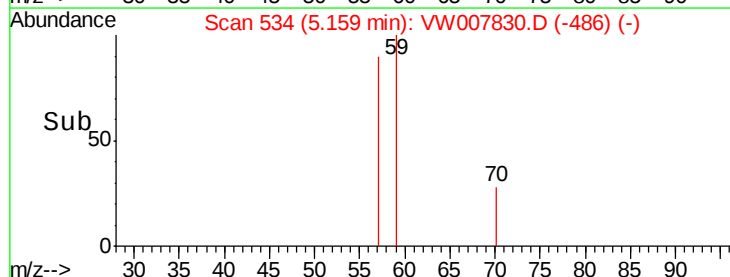
400

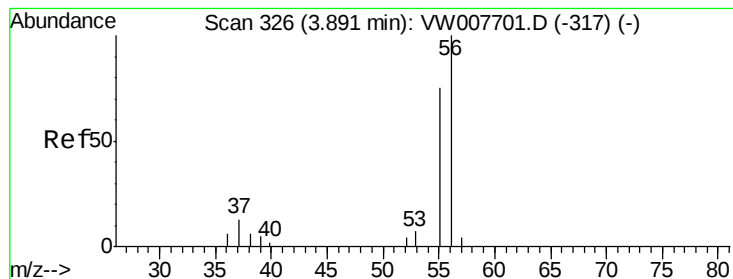
200

0

Time-->

5.10 5.15





#13

Acrolein

Concen: 2.457 ug/l

RT: 4.09 min Scan# 359

Delta R.T. 0.20 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

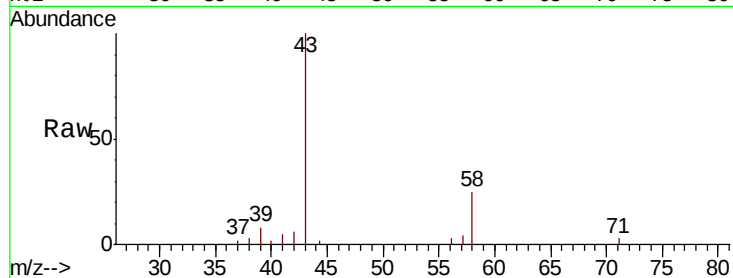
P001-SS013A-3036-01

Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

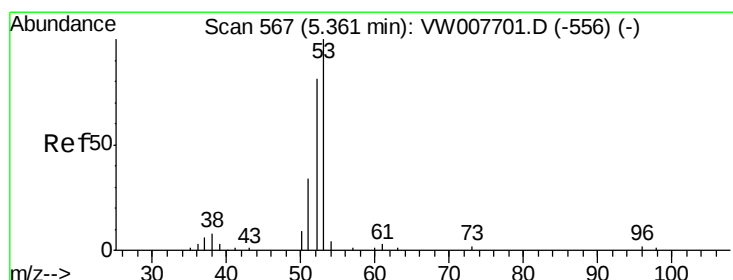
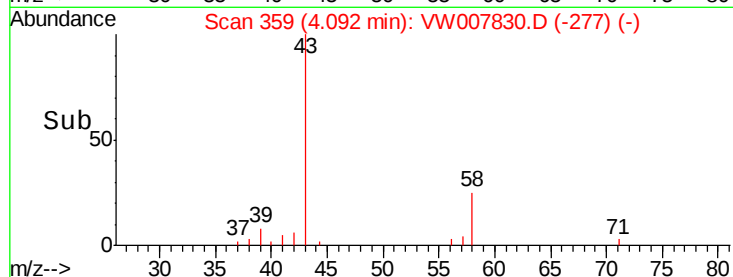
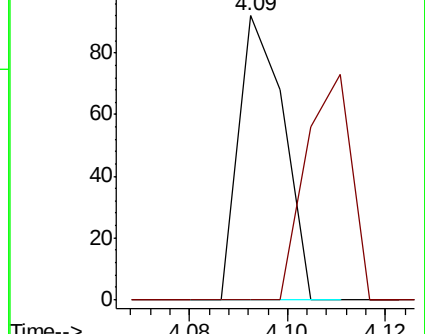
56 100

55 79.7 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#15

Acrylonitrile

Concen: 506.656 ug/l

RT: 5.45 min Scan# 582

Delta R.T. 0.09 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

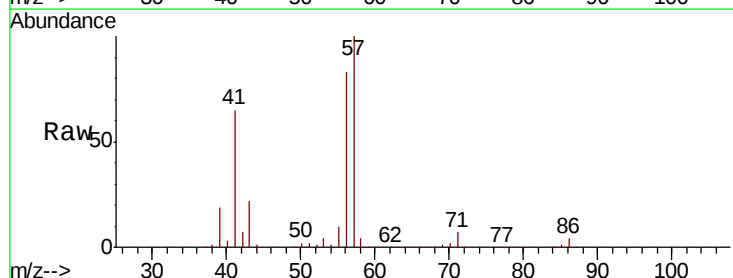
Tgt Ion: 53 Resp: 38906

Ion Ratio Lower Upper

53 100

52 19.8 67.0 100.4#

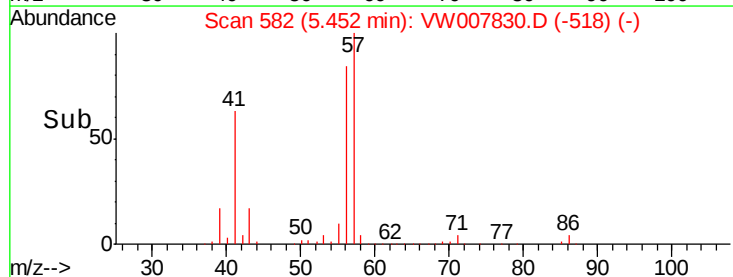
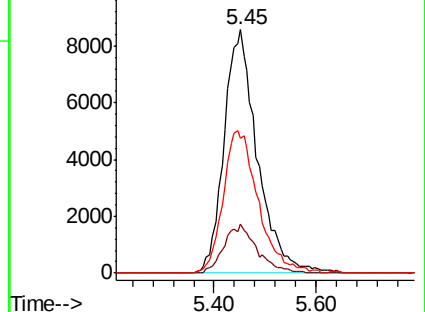
51 61.4 30.2 45.2#

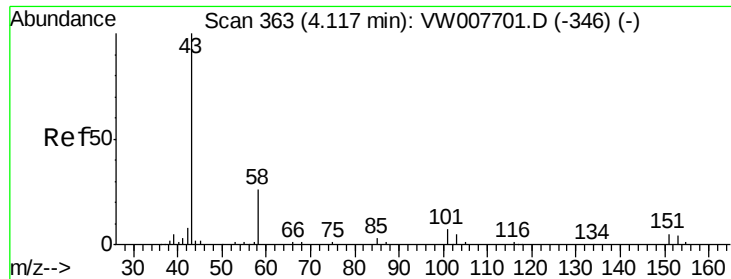


Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW





#16

Acetone

Concen: 440.773 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

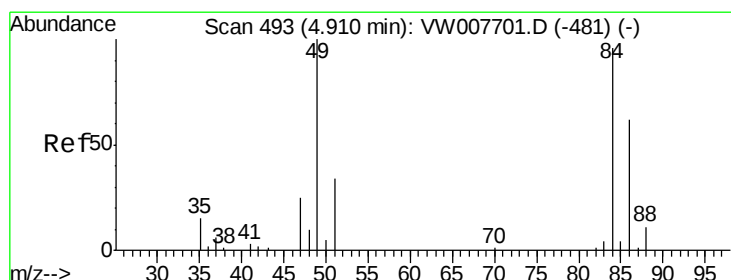
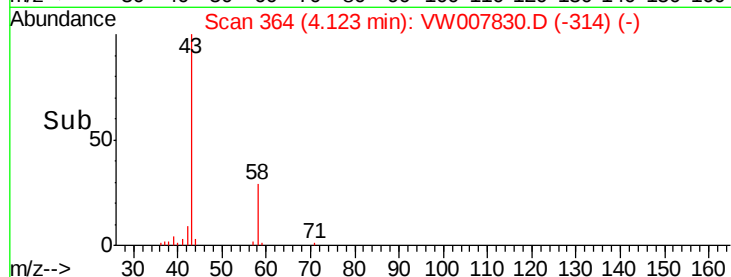
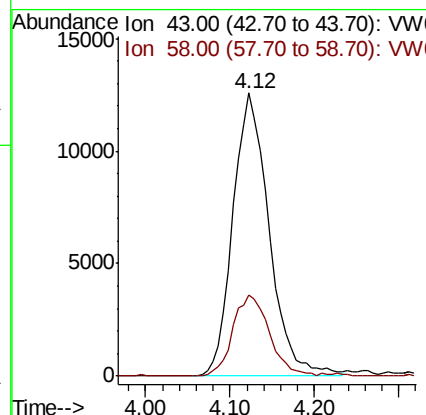
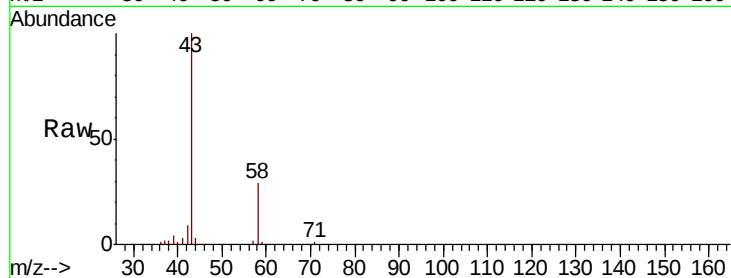
P001-SS013A-3036-01

Tgt Ion: 43 Resp: 36752

Ion Ratio Lower Upper

43 100

58 28.6 21.2 31.8



#20

Methylene Chloride

Concen: 4.670 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Tgt Ion: 84 Resp: 4331

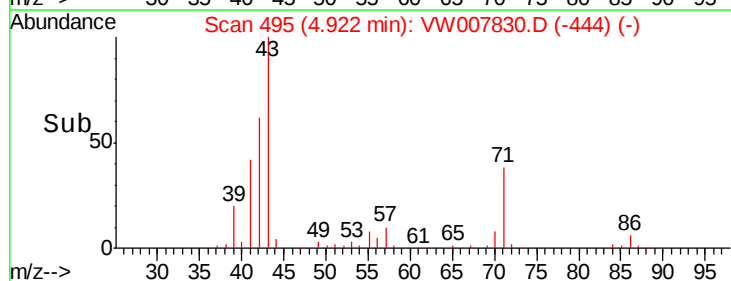
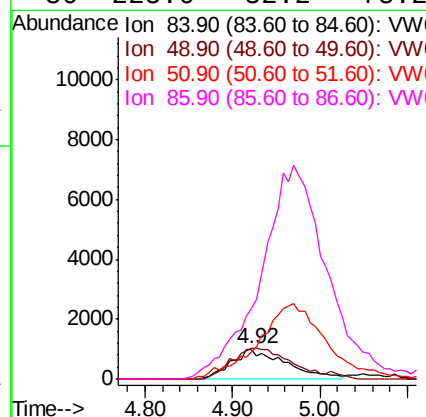
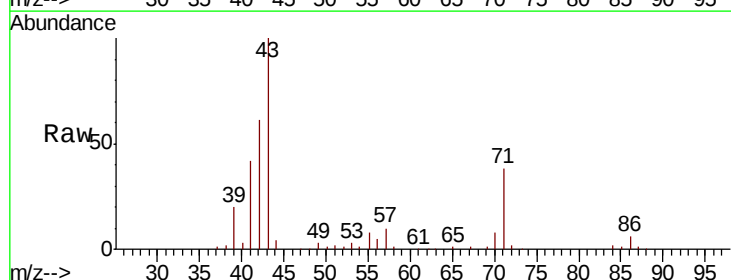
Ion Ratio Lower Upper

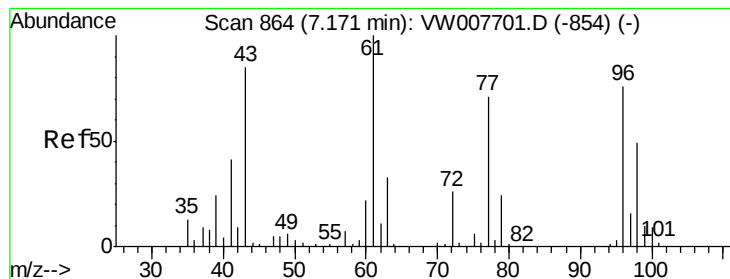
84 100

49 103.9 83.7 125.5

51 90.6 28.2 42.2#

86 225.6 52.2 78.2#





#25

2-Butanone

Concen: 213.683 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

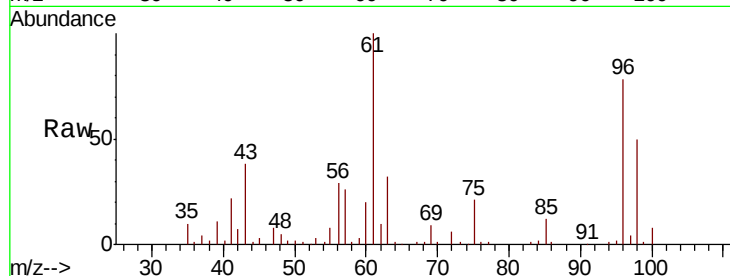
P001-SS013A-3036-01

Tgt Ion: 43 Resp: 20869

Ion Ratio Lower Upper

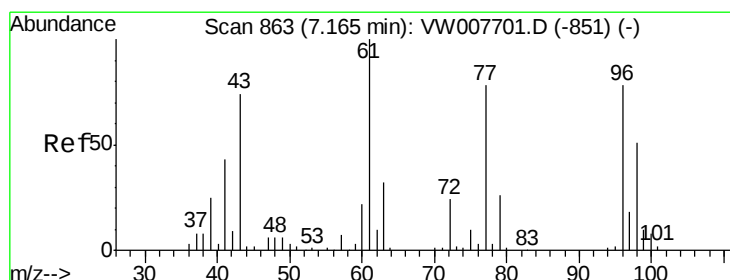
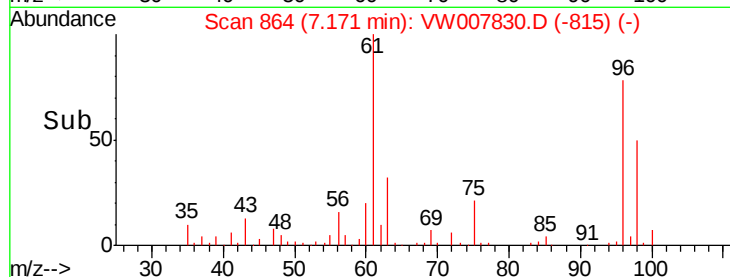
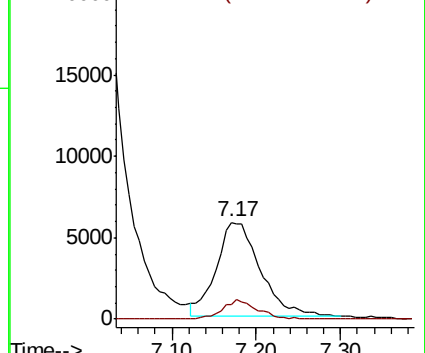
43 100

72 15.8 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.967 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW007830.D

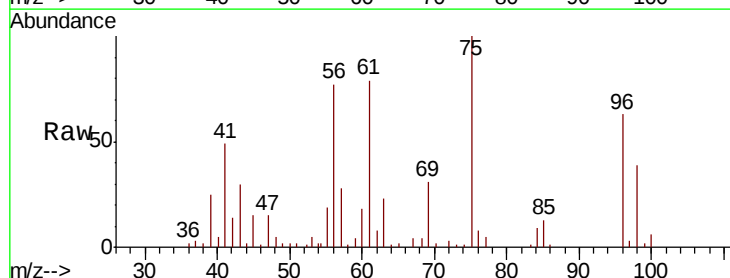
Acq: 22 Dec 2018 09:15

Tgt Ion: 77 Resp: 1042

Ion Ratio Lower Upper

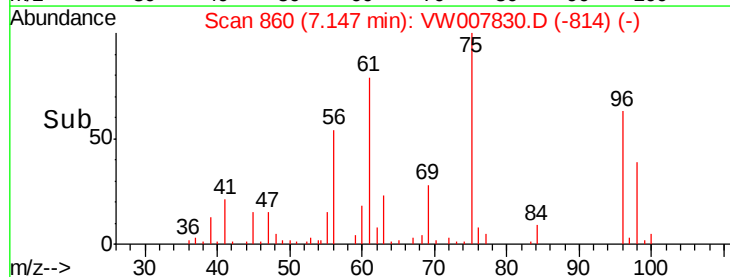
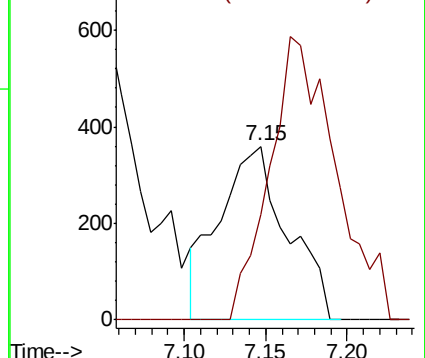
77 100

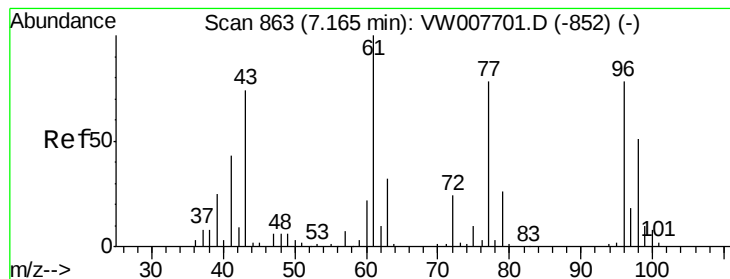
97 157.5 11.3 33.9#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



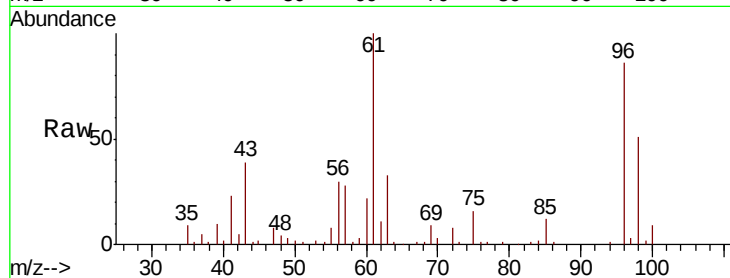


#27

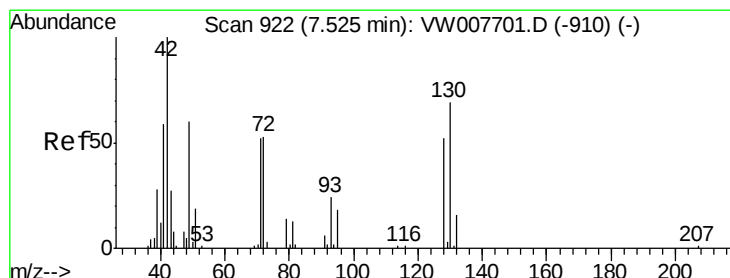
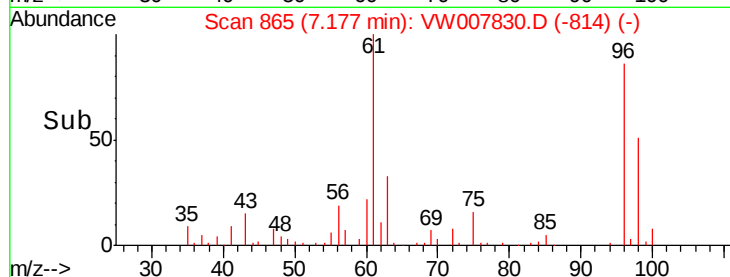
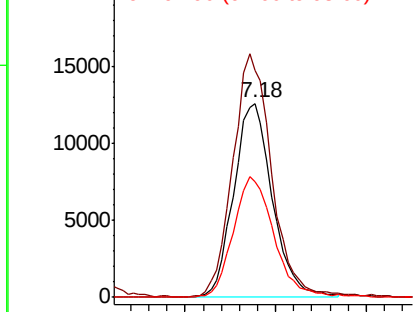
cis-1,2-Dichloroethene
 Concen: 79.302 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-3036-01

Tgt Ion: 96 Resp: 37244
 Ion Ratio Lower Upper
 96 100
 61 125.1 0.0 271.6
 98 65.6 0.0 131.2



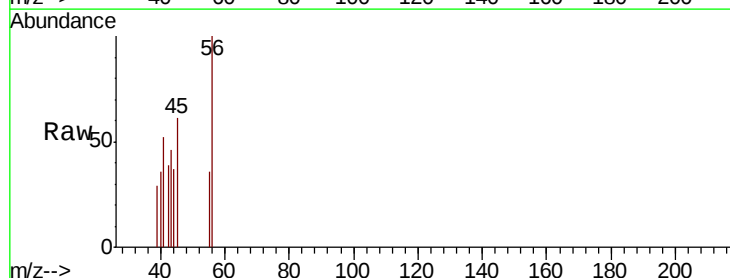
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



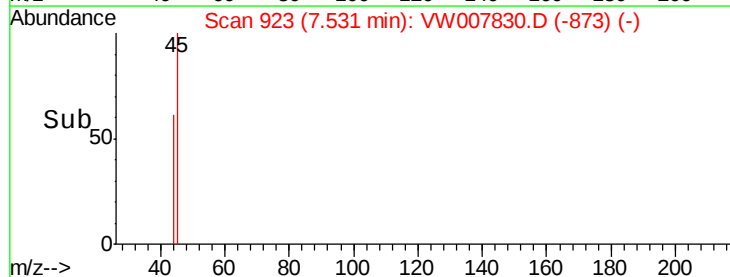
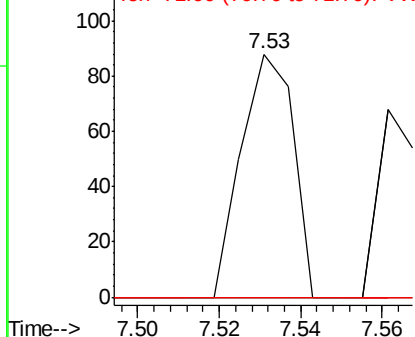
#29

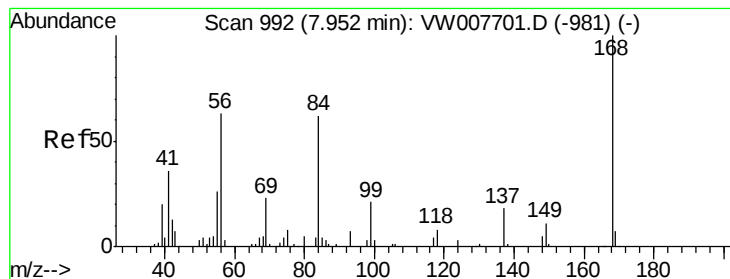
Tetrahydrofuran
 Concen: 1.339 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

Tgt Ion: 42 Resp: 78
 Ion Ratio Lower Upper
 42 100
 72 0.0 41.7 62.5#
 71 0.0 39.0 58.6#



Abundance Ion 42.00 (41.70 to 42.70): VW
 Ion 72.00 (71.70 to 72.70): VW
 Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 512.989 ug/l

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013A-3036-01

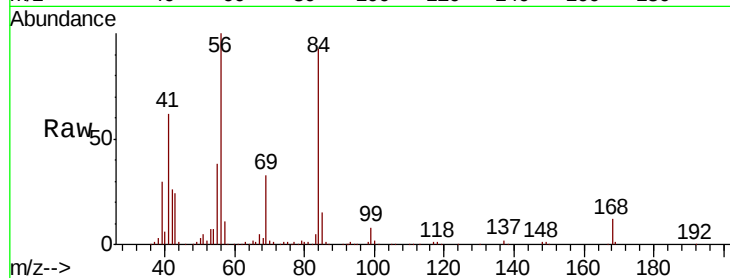
Tgt Ion: 56 Resp: 340027

Ion Ratio Lower Upper

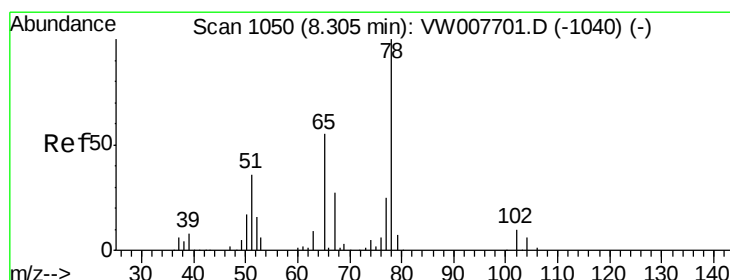
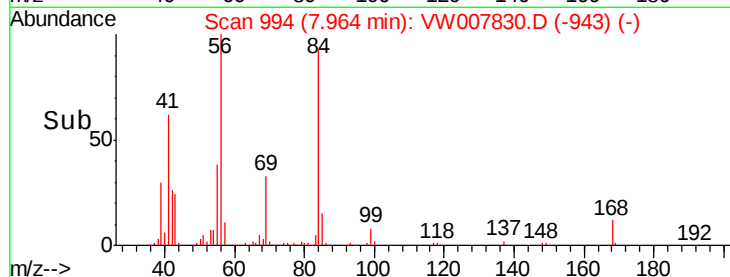
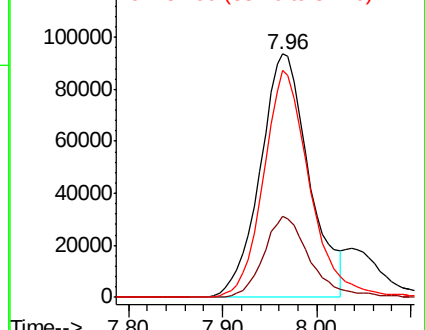
56 100

69 33.0 29.7 44.5

84 93.0 78.9 118.3



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



#33

1,2-Dichloroethane-d4

Concen: 64.860 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW007830.D

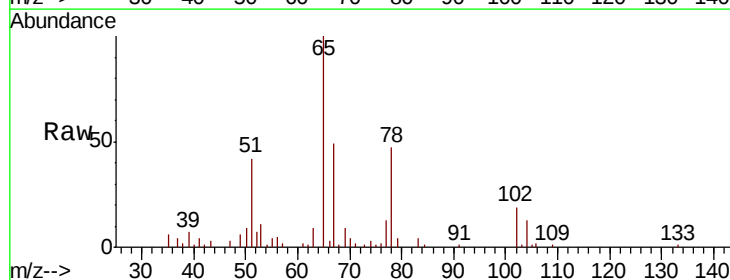
Acq: 22 Dec 2018 09:15

Tgt Ion: 65 Resp: 28880

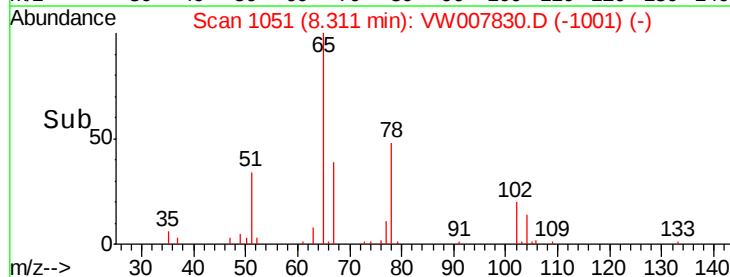
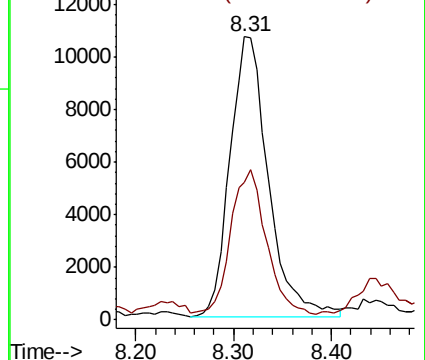
Ion Ratio Lower Upper

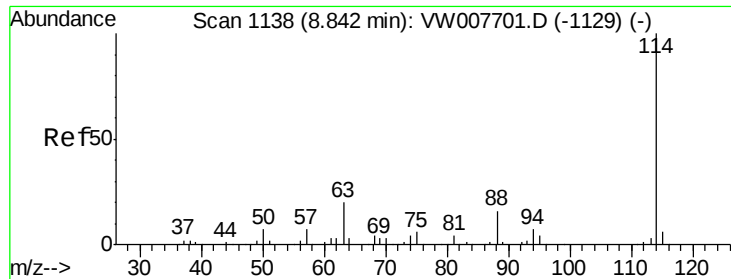
65 100

67 47.8 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

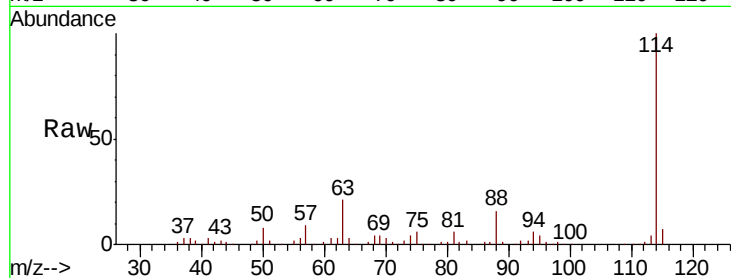




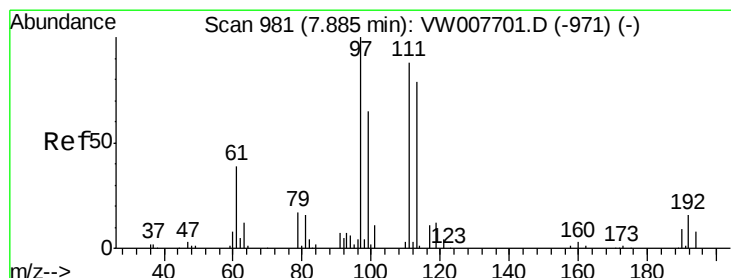
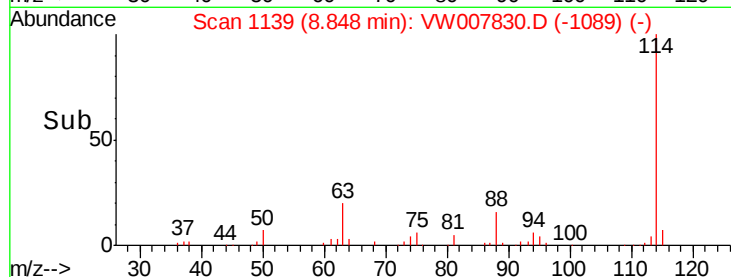
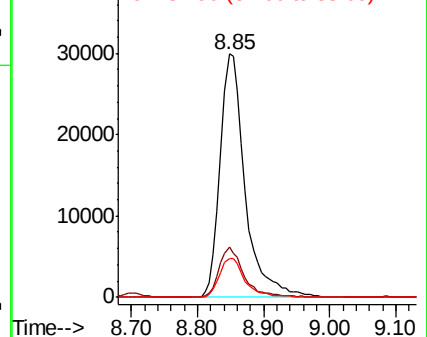
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-3036-01

Tgt Ion:114 Resp: 78840
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.0
 88 15.7 0.0 32.6

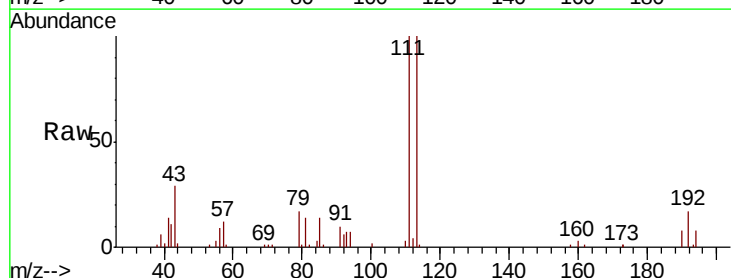


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

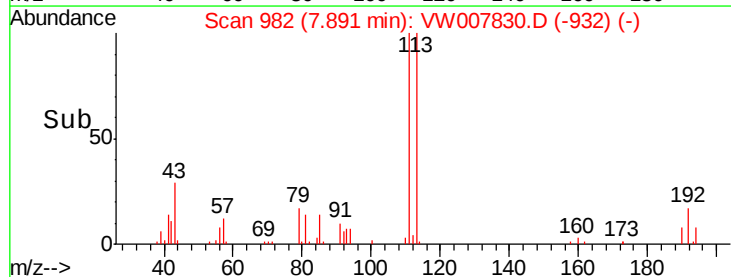
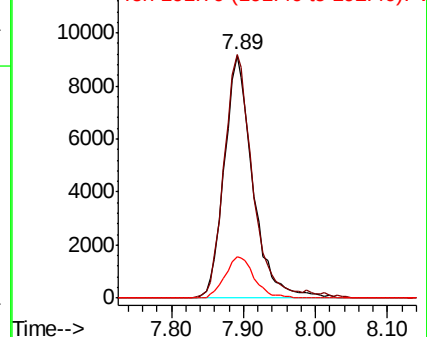


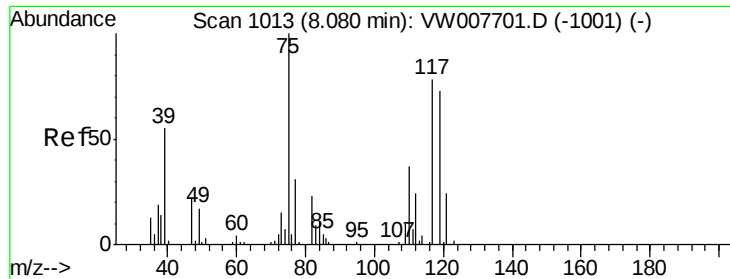
#35
 Dibromofluoromethane
 Concen: 52.183 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

Tgt Ion:113 Resp: 25098
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.6 124.0
 192 17.4 15.5 23.3



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

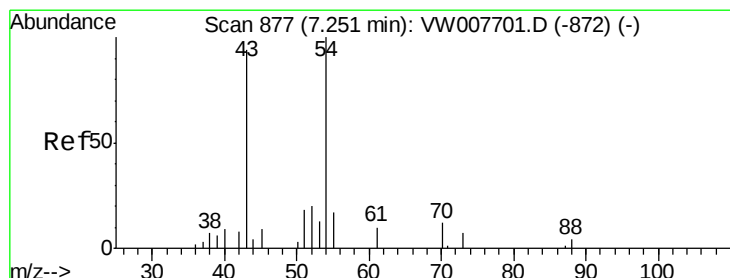
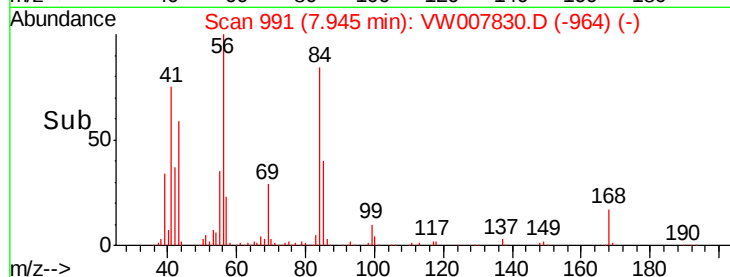
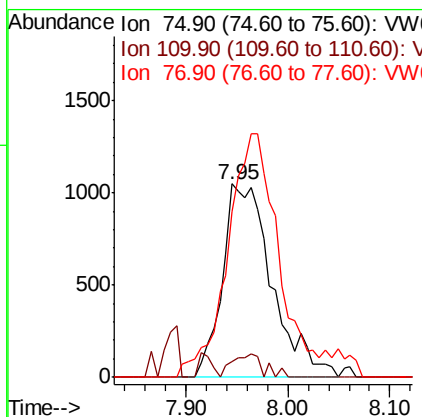
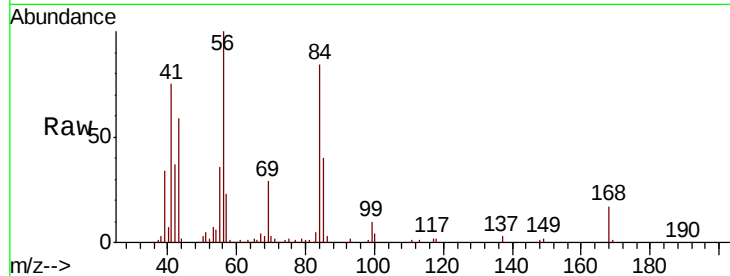




#36
 1,1-Dichloropropene
 Concen: 4.639 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

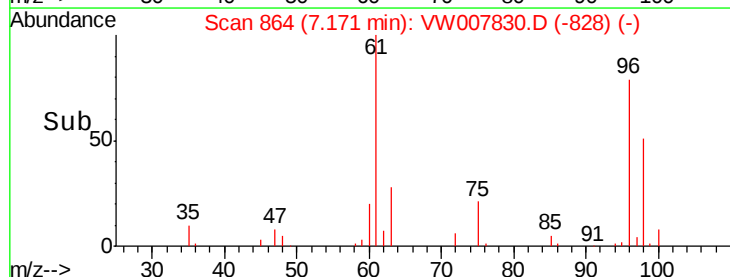
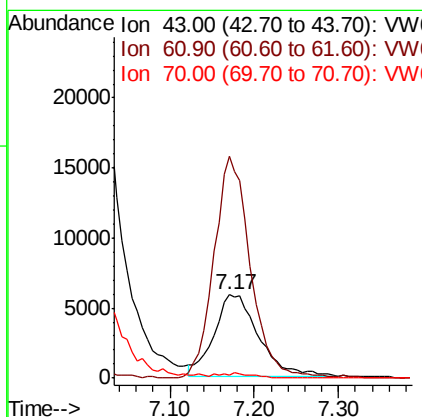
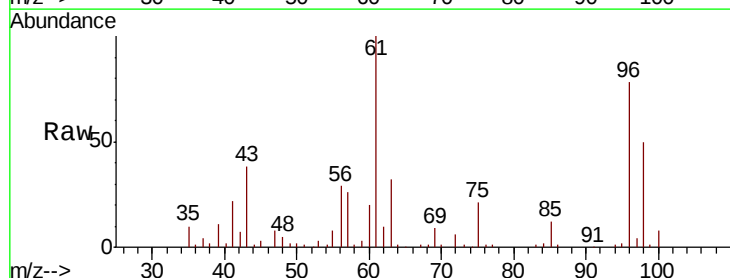
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-3036-01

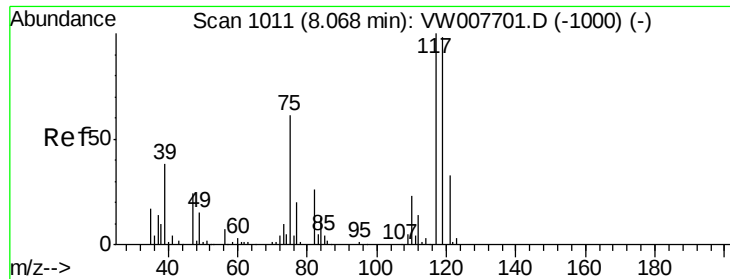
Tgt Ion: 75 Resp: 3530
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.6 55.8#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 79.467 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

Tgt Ion: 43 Resp: 20869
 Ion Ratio Lower Upper
 43 100
 61 223.0 11.2 16.8#
 70 0.0 9.3 13.9#

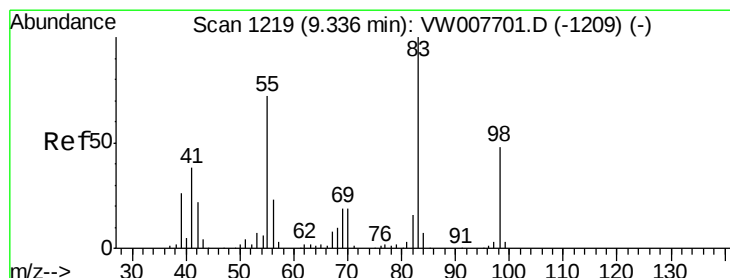
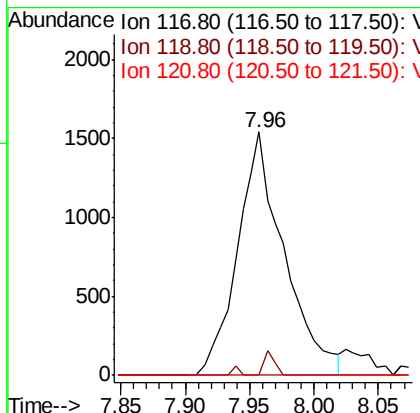
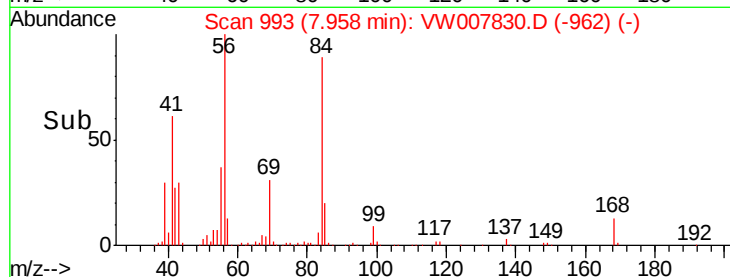
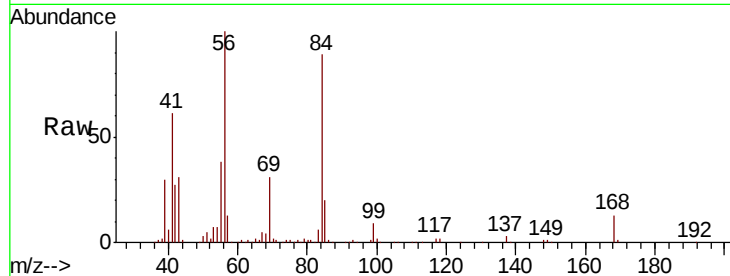




#38
Carbon Tetrachloride
Concen: 4.298 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.11 min
Lab File: VW007830.D
Acq: 22 Dec 2018 09:15

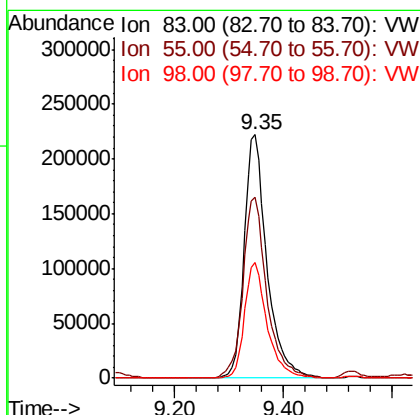
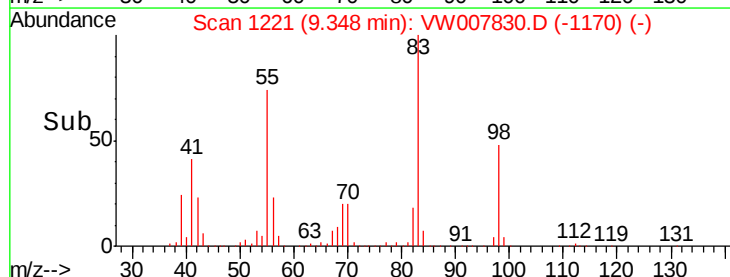
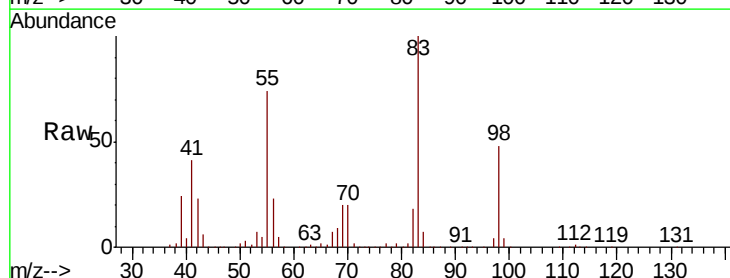
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013A-3036-01

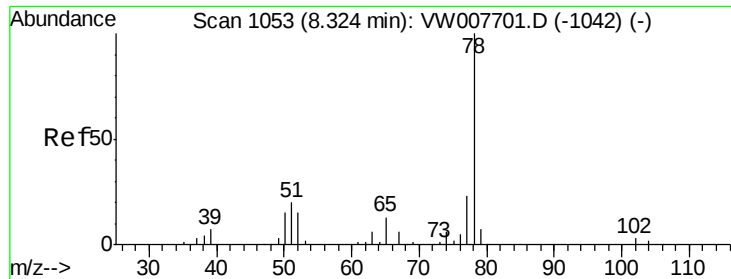
Tgt Ion: 117 Resp: 3852
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 26.1 39.1#



#39
Methylcyclohexane
Concen: 681.026 ug/l
RT: 9.35 min Scan# 1221
Delta R.T. 0.01 min
Lab File: VW007830.D
Acq: 22 Dec 2018 09:15

Tgt Ion: 83 Resp: 643950
Ion Ratio Lower Upper
83 100
55 74.2 57.2 85.8
98 47.6 38.6 58.0





#40

Benzene

Concen: 14.728 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

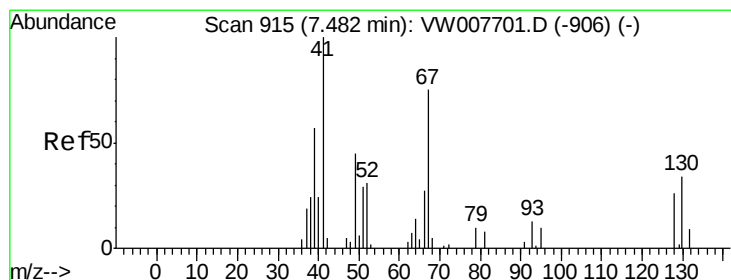
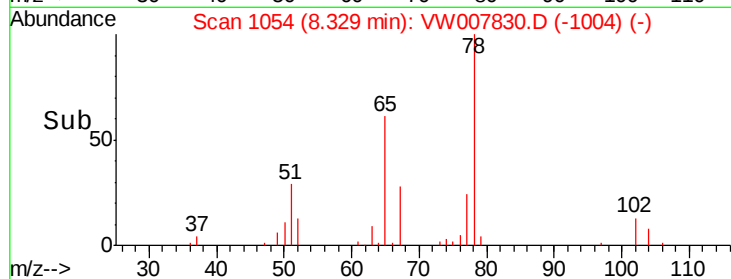
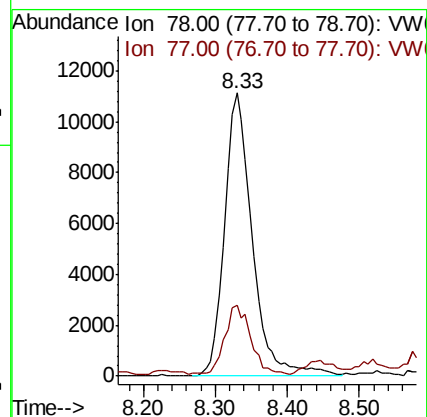
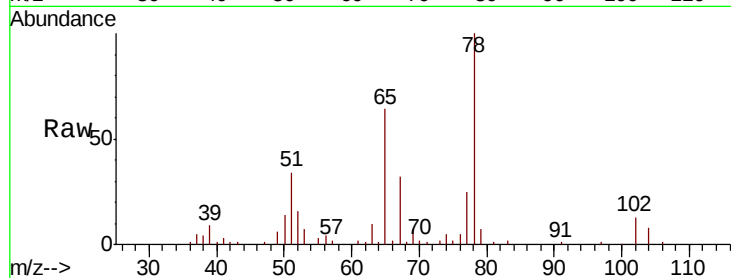
P001-SS013A-3036-01

Tgt Ion: 78 Resp: 29906

Ion Ratio Lower Upper

78 100

77 24.0 18.7 28.1



#41

Methacrylonitrile

Concen: 1.569 ug/l

RT: 7.52 min Scan# 921

Delta R.T. 0.04 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Tgt Ion: 41 Resp: 234

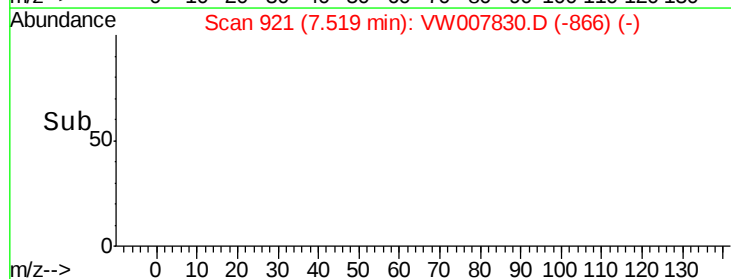
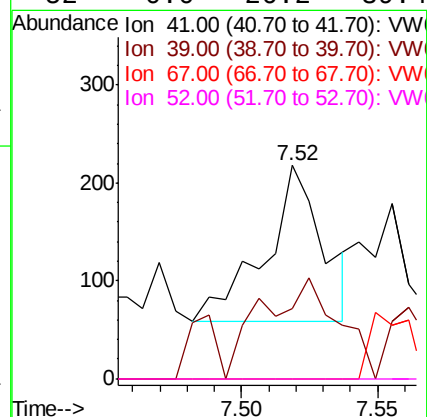
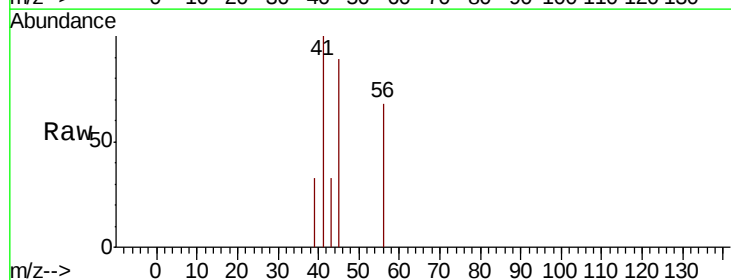
Ion Ratio Lower Upper

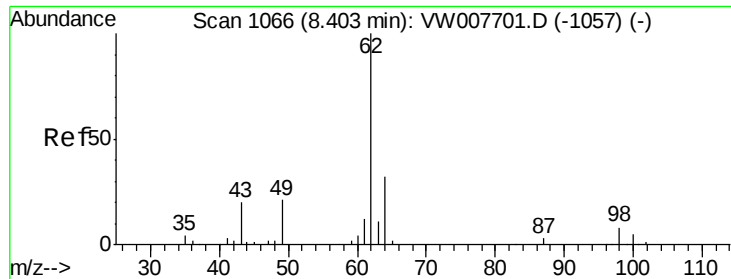
41 100

39 85.5 54.2 81.4#

67 0.0 65.7 98.5#

52 0.0 26.2 39.4#

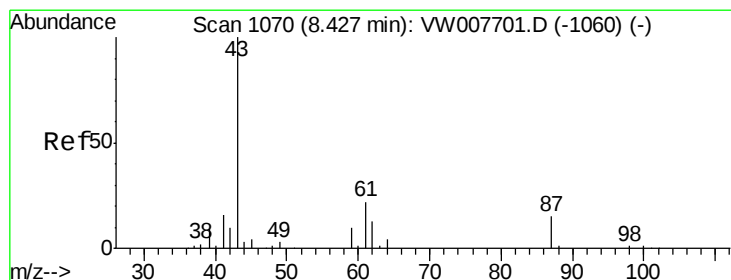
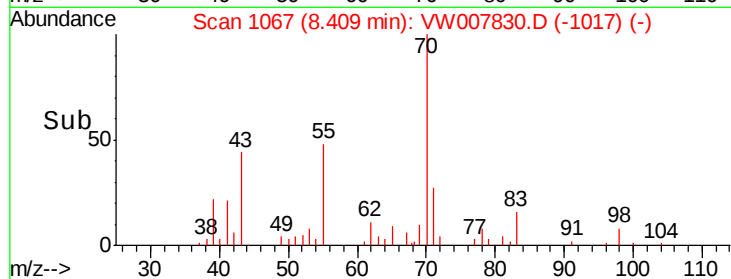
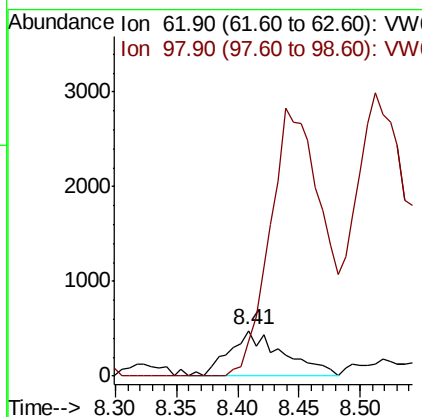
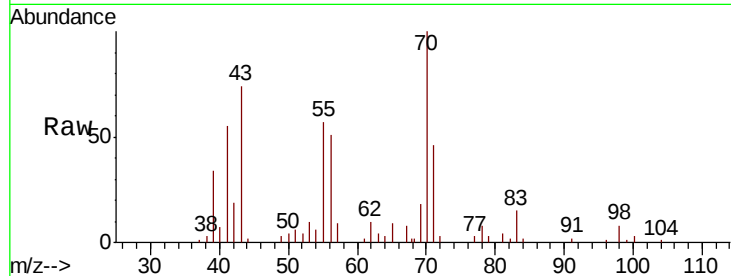




#42
 1,2-Dichloroethane
 Concen: 2.165 ug/l
 RT: 8.41 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

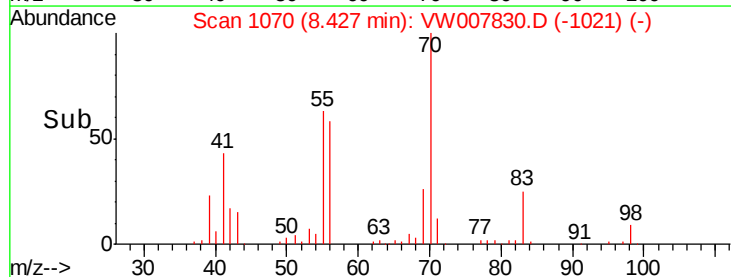
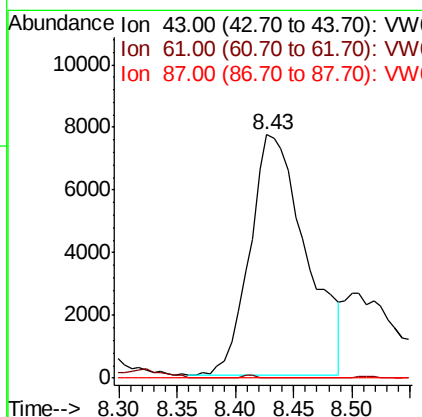
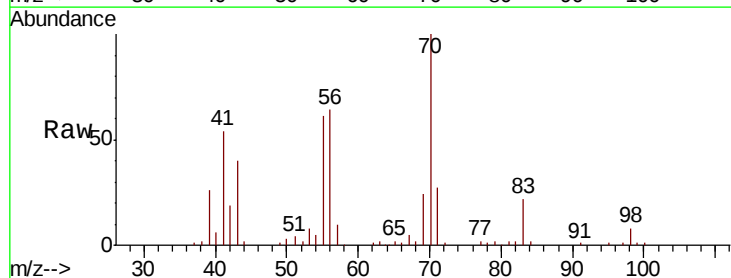
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-3036-01

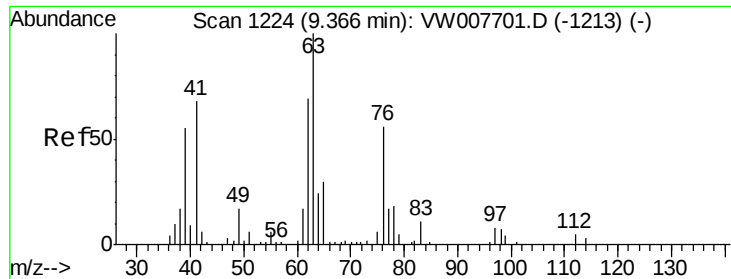
Tgt Ion: 62 Resp: 1473
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 16.6



#43
 Isopropyl Acetate
 Concen: 48.980 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. -0.00 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

Tgt Ion: 43 Resp: 25770
 Ion Ratio Lower Upper
 43 100
 61 0.2 26.3 39.5#
 87 0.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 14.697 ug/l

RT: 9.35 min Scan# 1221

Delta R.T. -0.02 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

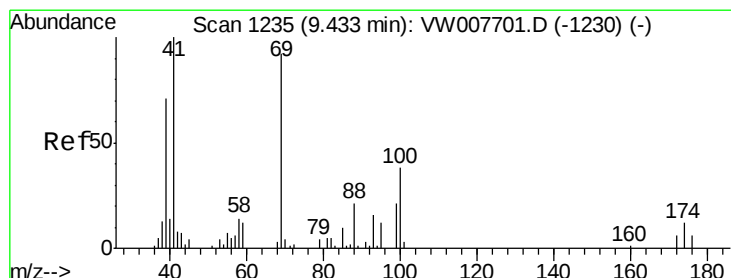
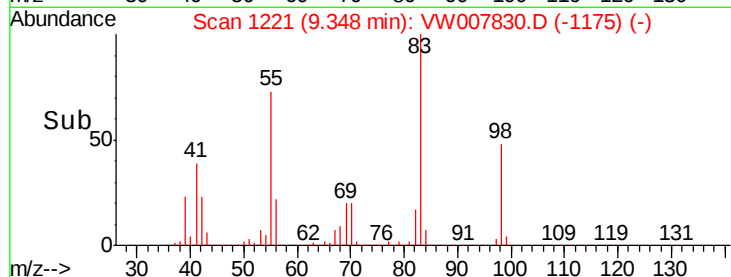
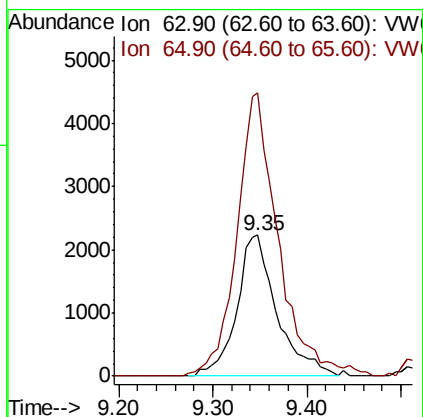
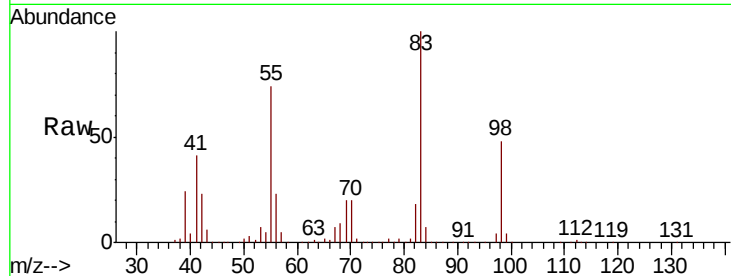
P001-SS013A-3036-01

Tgt Ion: 63 Resp: 6622

Ion Ratio Lower Upper

63 100

65 198.6 23.8 35.8#



#48

Methyl methacrylate

Concen: 62.382 ug/l

RT: 9.52 min Scan# 1250

Delta R.T. 0.09 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

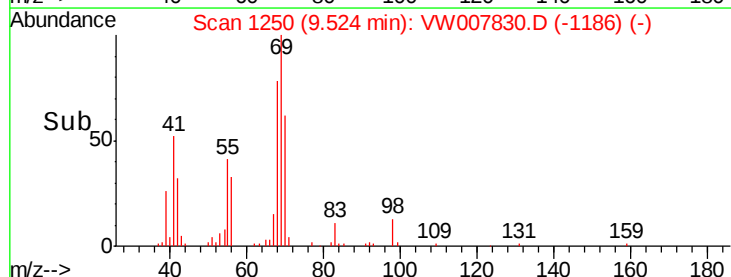
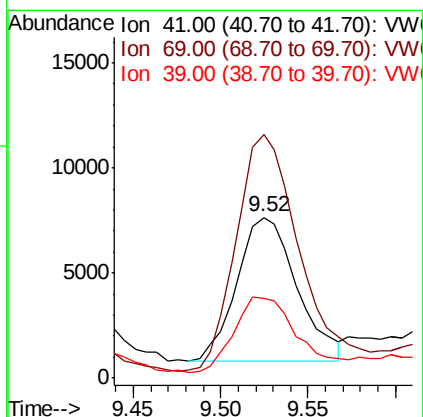
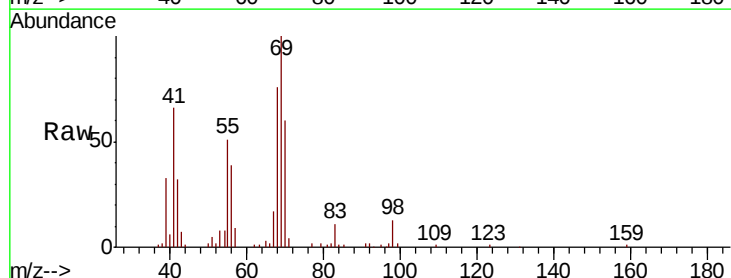
Tgt Ion: 41 Resp: 16383

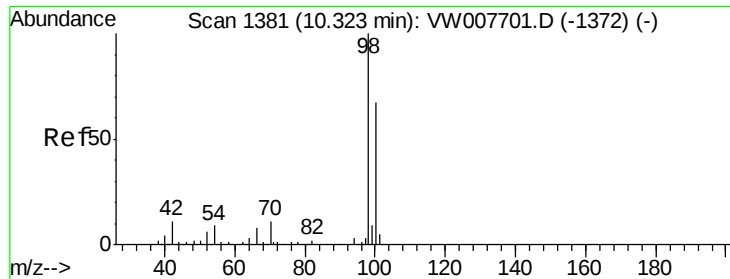
Ion Ratio Lower Upper

41 100

69 177.5 74.2 111.2#

39 56.9 53.9 80.9





#50

Toluene-d8

Concen: 27.744 ug/l

RT: 10.37 min Scan# 1388

Delta R.T. 0.04 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

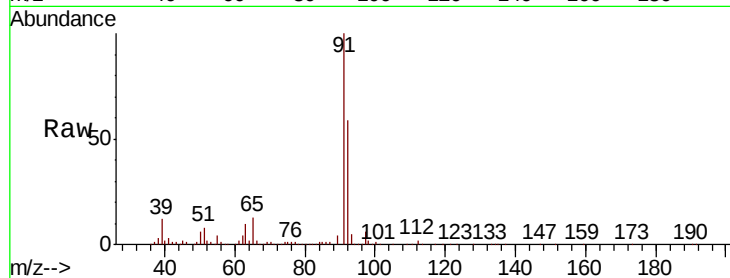
P001-SS013A-3036-01

Tgt Ion: 98 Resp: 50304

Ion Ratio Lower Upper

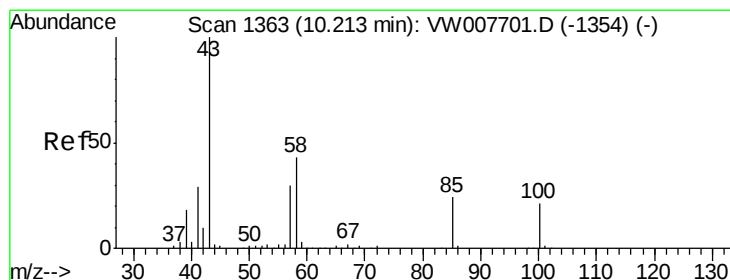
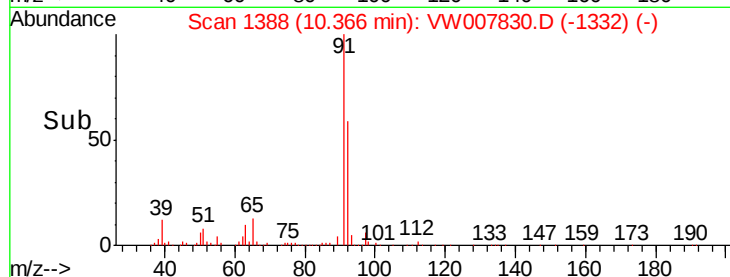
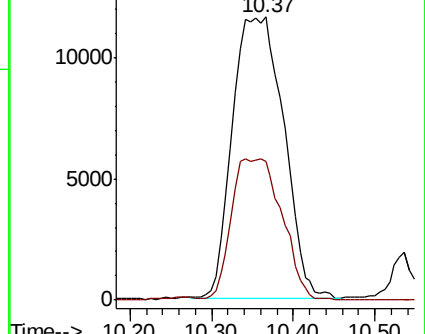
98 100

100 49.6 52.2 78.2#



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 645.611 ug/l

RT: 10.11 min Scan# 1346

Delta R.T. -0.10 min

Lab File: VW007830.D

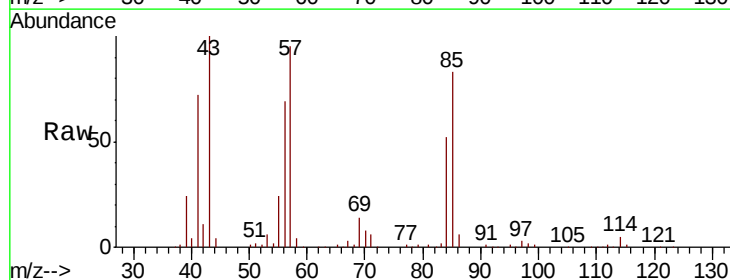
Acq: 22 Dec 2018 09:15

Tgt Ion: 43 Resp: 160531

Ion Ratio Lower Upper

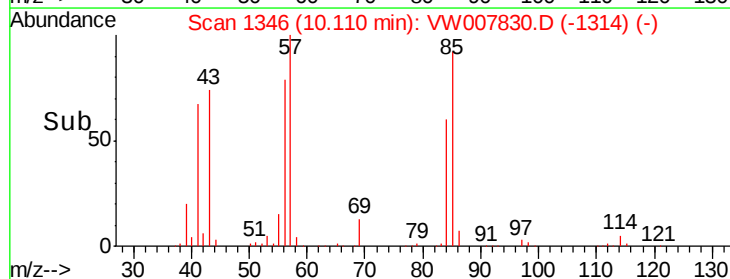
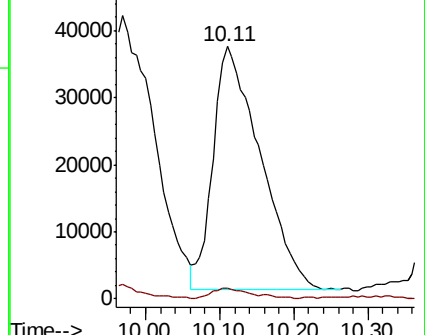
43 100

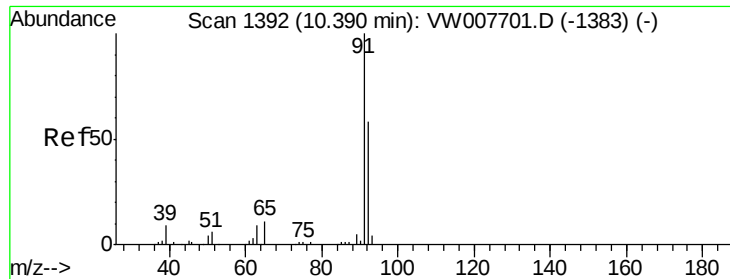
58 2.6 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 19443.507 ug/l

RT: 10.40 min Scan# 1394

Delta R.T. 0.01 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

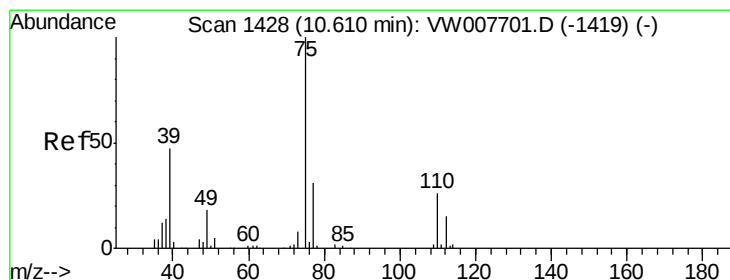
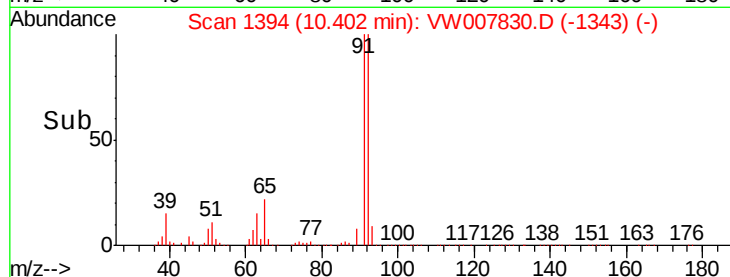
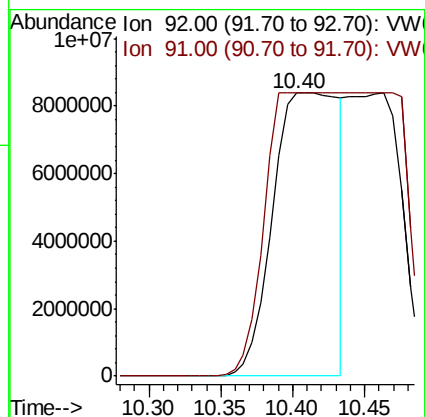
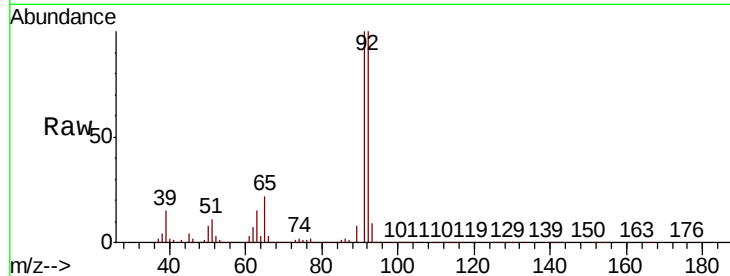
P001-SS013A-3036-01

Tgt Ion: 92 Resp: 26489437

Ion Ratio Lower Upper

92 100

91 0.0 137.0 205.4#



#53

t-1,3-Dichloropropene

Concen: 372.916 ug/l

RT: 10.40 min Scan# 1394

Delta R.T. -0.21 min

Lab File: VW007830.D

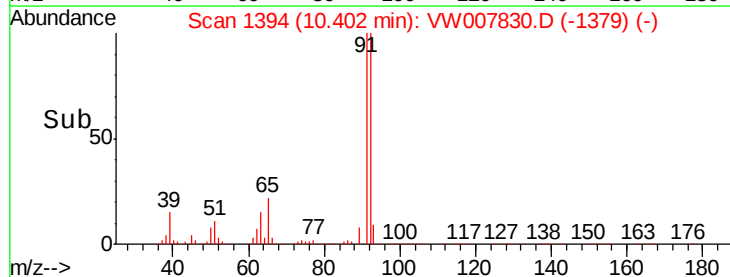
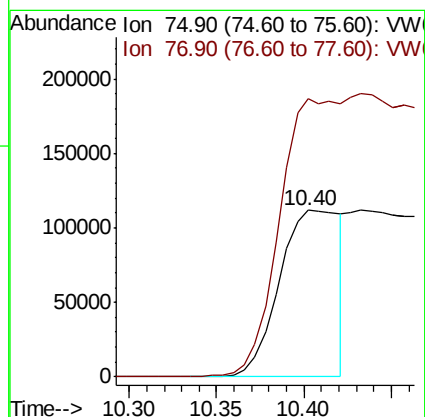
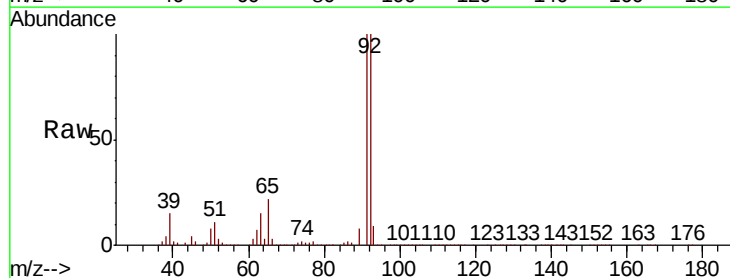
Acq: 22 Dec 2018 09:15

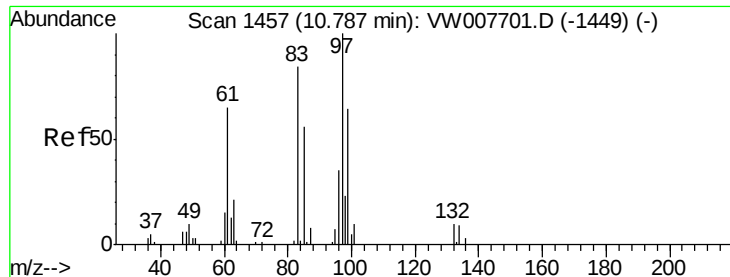
Tgt Ion: 75 Resp: 270460

Ion Ratio Lower Upper

75 100

77 166.7 25.2 37.8#

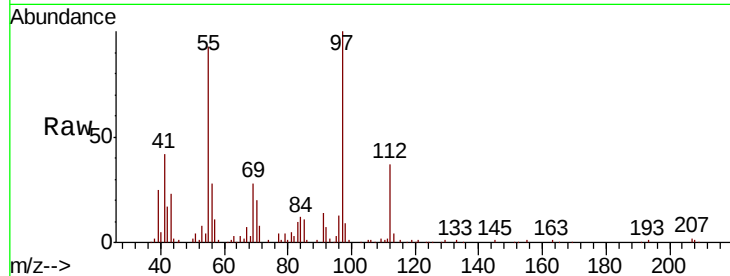




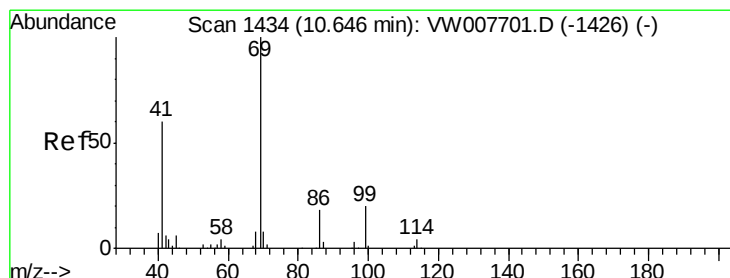
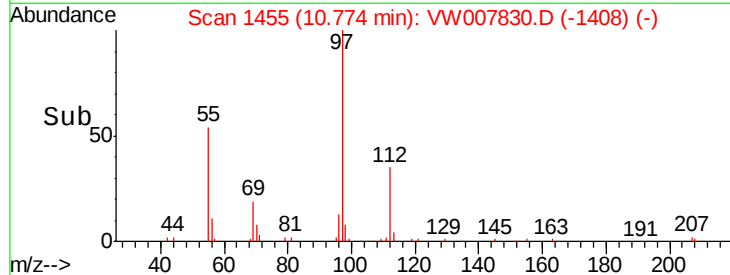
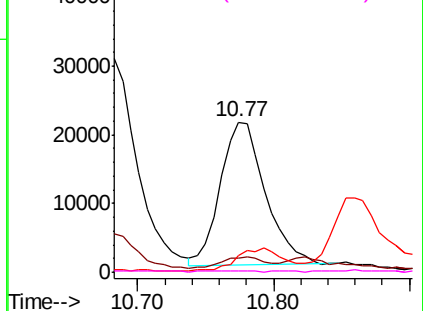
#55
 1,1,2-Trichloroethane
 Concen: 124.862 ug/l
 RT: 10.77 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-3036-01

Tgt Ion: 97 Resp: 47742
 Ion Ratio Lower Upper
 97 100
 83 7.7 67.5 101.3#
 85 10.3 44.8 67.2#
 99 0.3 51.0 76.4#

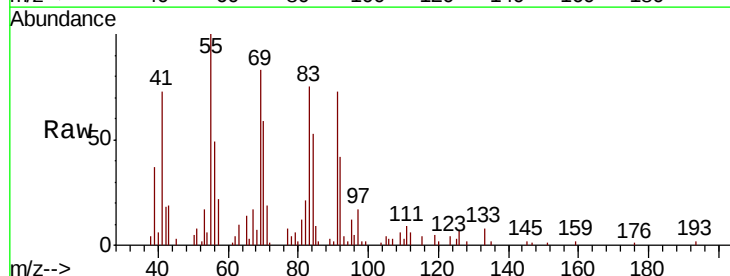


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

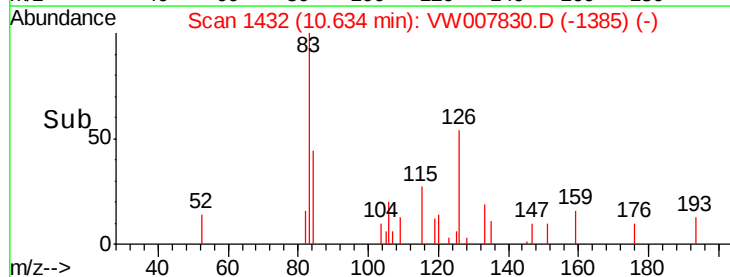
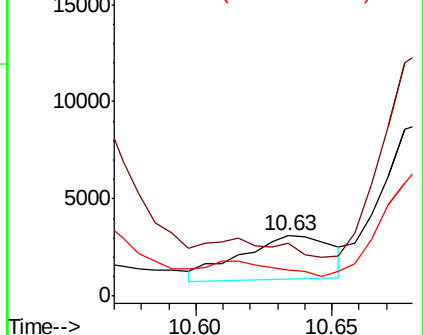


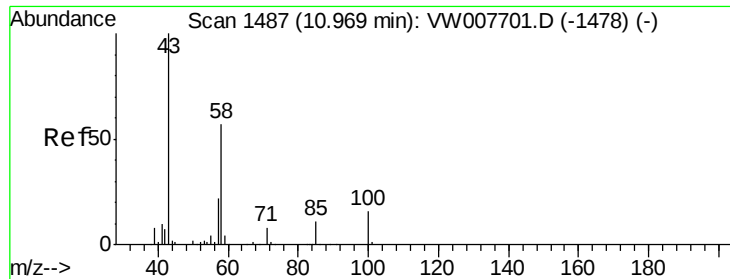
#56
 Ethyl methacrylate
 Concen: 11.573 ug/l
 RT: 10.63 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

Tgt Ion: 69 Resp: 5228
 Ion Ratio Lower Upper
 69 100
 41 0.0 48.9 73.3#
 39 0.0 31.3 46.9#



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





#59

2-Hexanone

Concen: 331.044 ug/l

RT: 10.94 min Scan# 1483

Delta R.T. -0.02 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

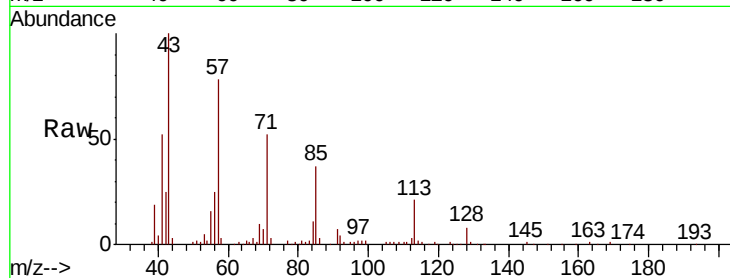
P001-SS013A-3036-01

Tgt Ion: 43 Resp: 57889

Ion Ratio Lower Upper

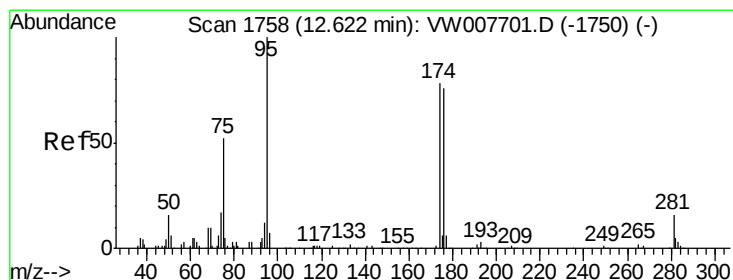
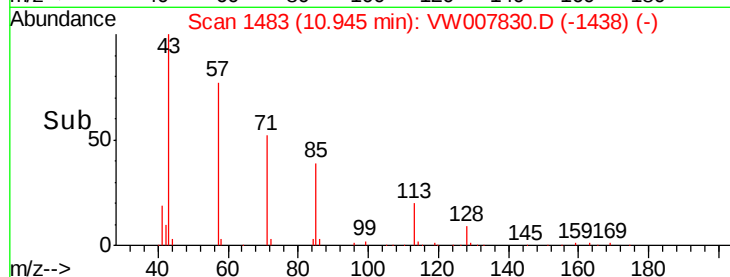
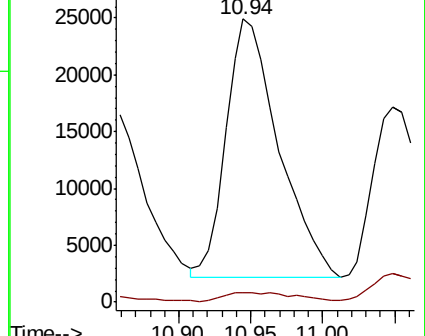
43 100

58 4.7 27.7 83.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 15.003 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

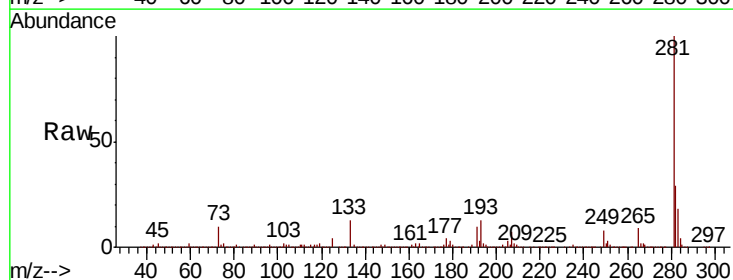
Tgt Ion: 95 Resp: 10509

Ion Ratio Lower Upper

95 100

174 60.2 0.0 152.2

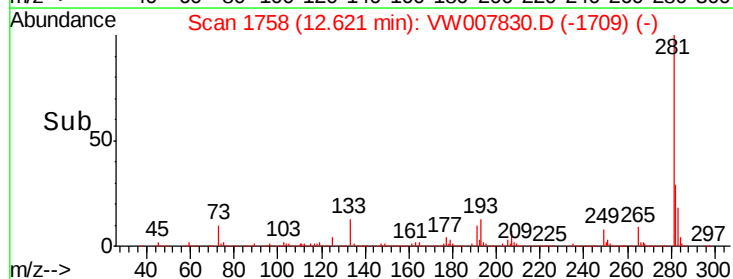
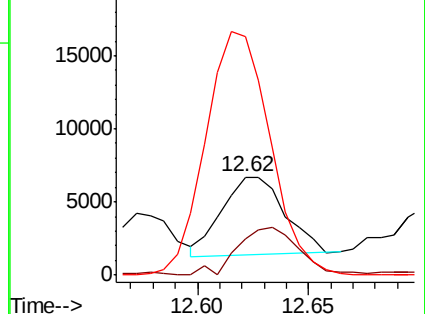
176 319.1 0.0 146.8#

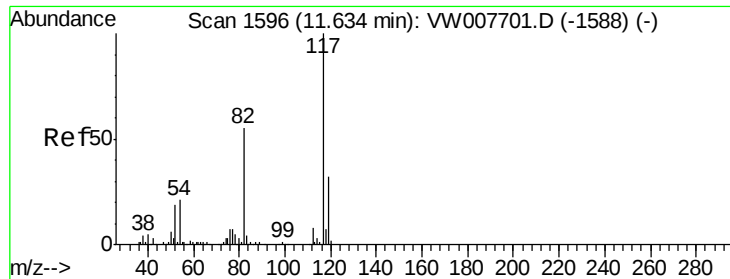


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

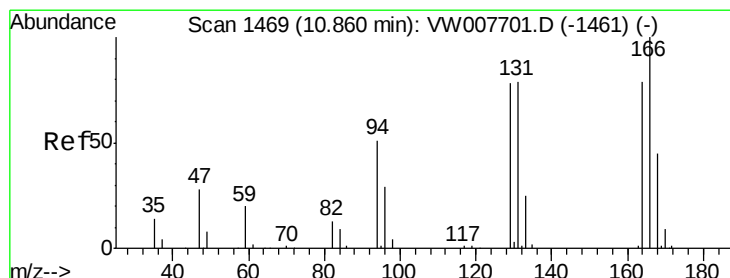
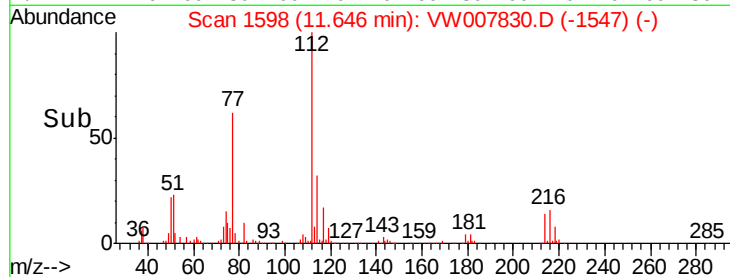
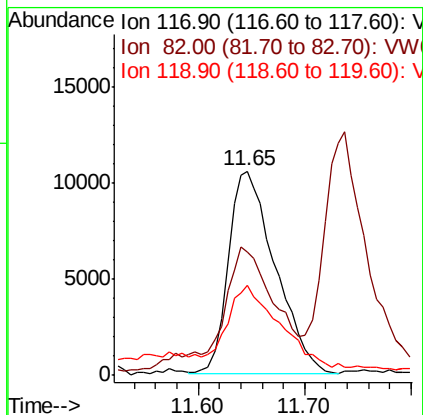
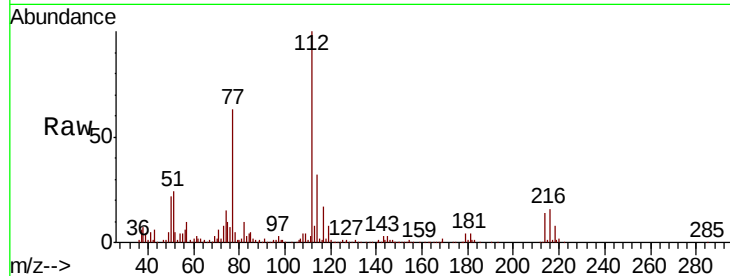




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VW007830.D
Acq: 22 Dec 2018 09:15

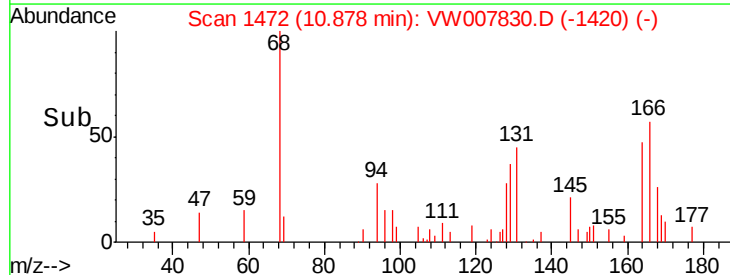
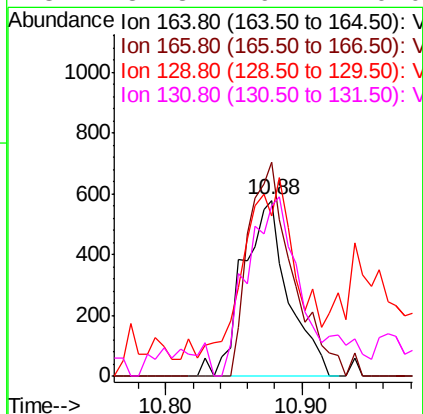
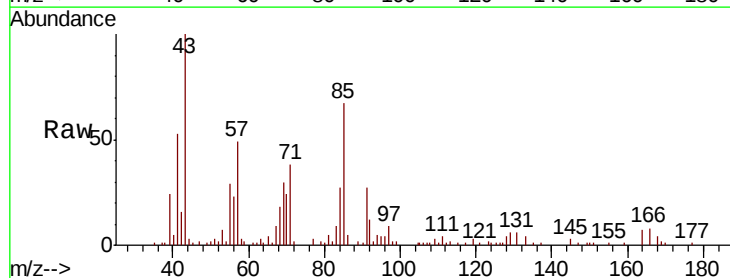
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013A-3036-01

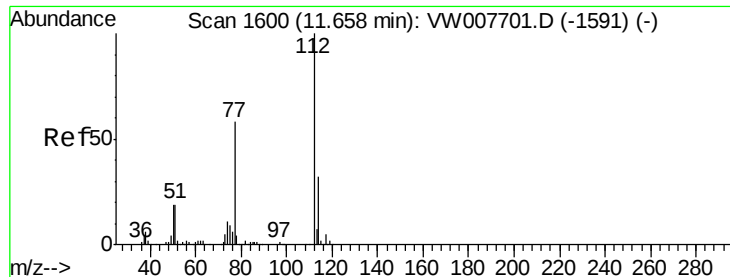
Tgt Ion:117 Resp: 32332
Ion Ratio Lower Upper
117 100
82 50.5 44.3 66.5
119 38.9 25.7 38.5#



#64
Tetrachloroethene
Concen: 5.892 ug/l
RT: 10.88 min Scan# 1472
Delta R.T. 0.02 min
Lab File: VW007830.D
Acq: 22 Dec 2018 09:15

Tgt Ion:164 Resp: 1349
Ion Ratio Lower Upper
164 100
166 121.4 101.0 151.6
129 70.0 78.7 118.1#
131 84.3 79.4 119.0

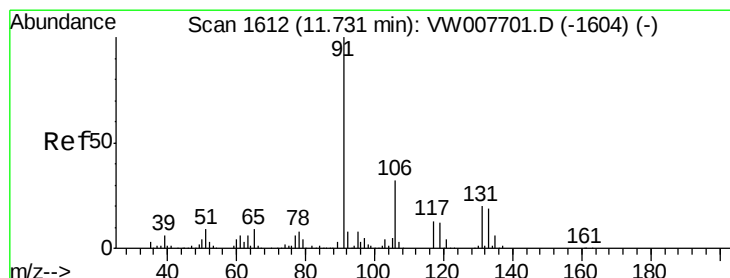
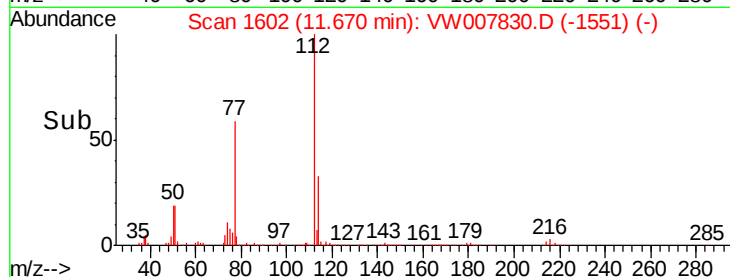
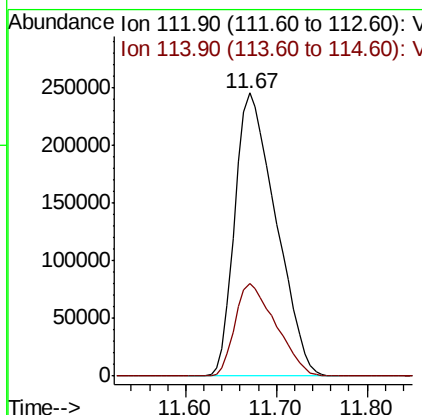
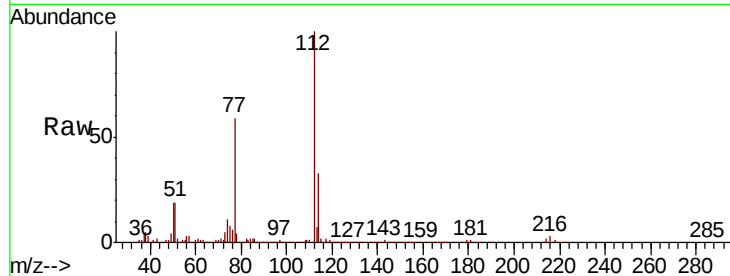




#65
Chlorobenzene
Concen: 1099.089 ug/l
RT: 11.67 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VW007830.D
Acq: 22 Dec 2018 09:15

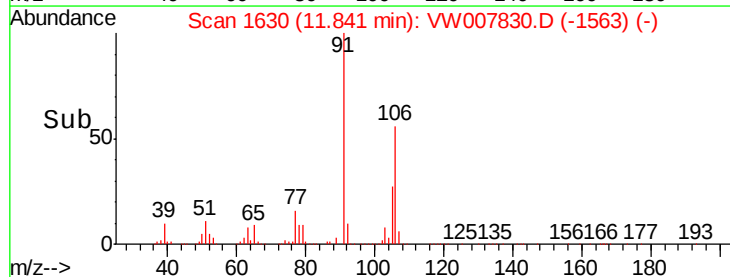
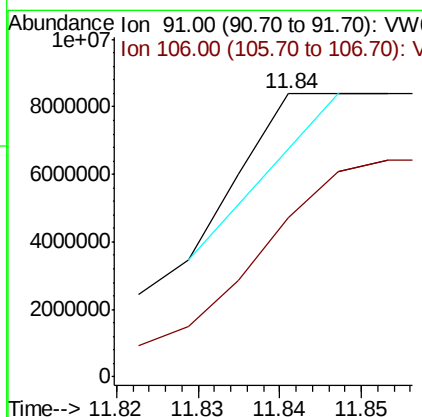
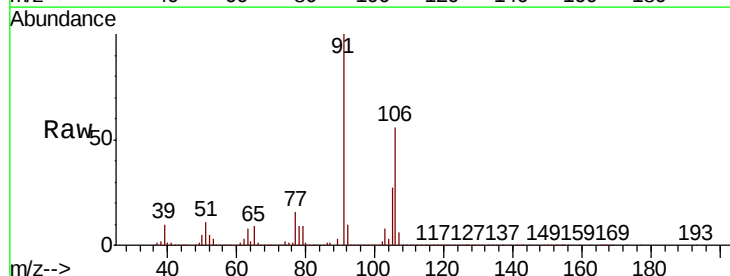
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013A-3036-01

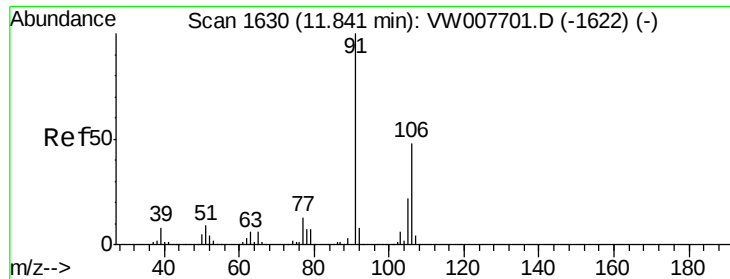
Tgt Ion: 112 Resp: 769145
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8



#67
Ethyl Benzene
Concen: 1832.445 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.11 min
Lab File: VW007830.D
Acq: 22 Dec 2018 09:15

Tgt Ion: 91 Resp: 2200506
Ion Ratio Lower Upper
91 100
106 65.6 25.8 38.8#

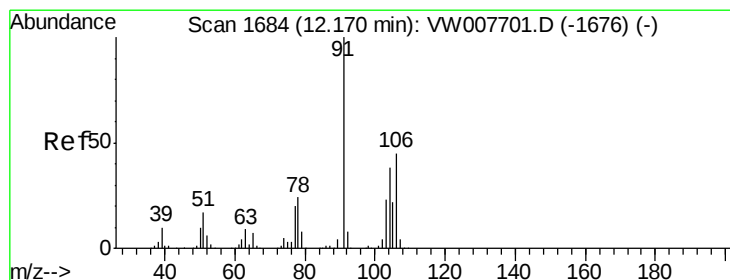
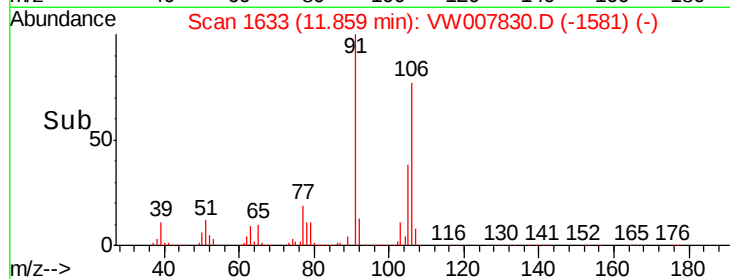
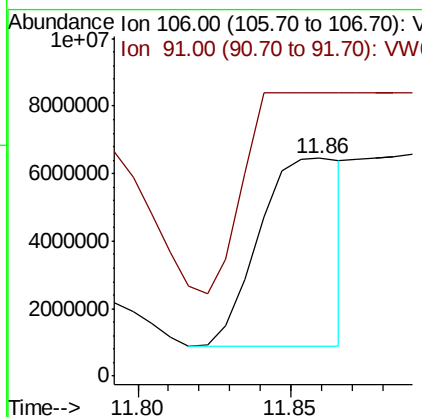
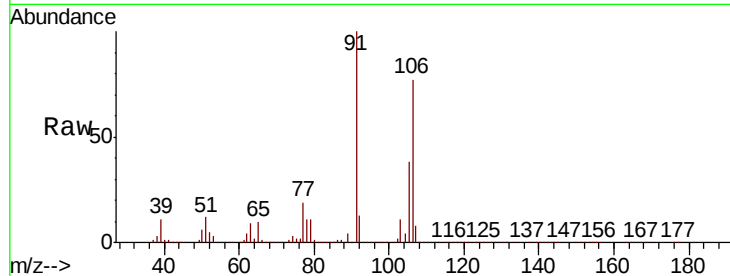




#68
m/p-Xylenes
Concen: 22153.874 ug/l
RT: 11.86 min Scan# 1633
Delta R.T. 0.02 min
Lab File: VW007830.D
Acq: 22 Dec 2018 09:15

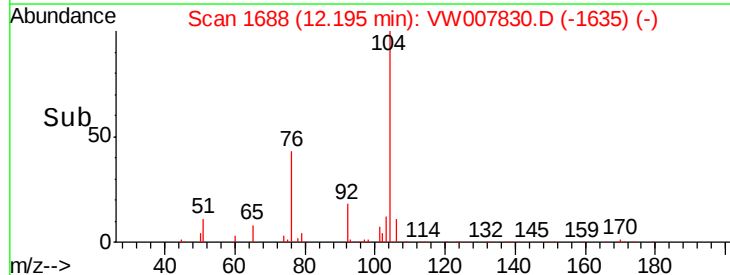
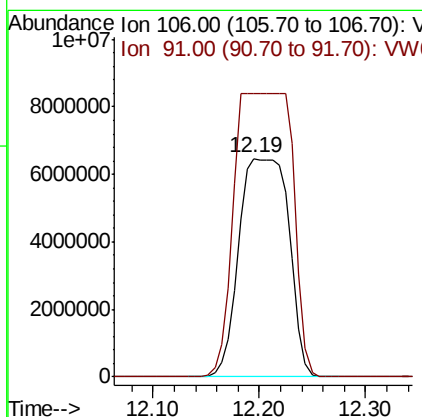
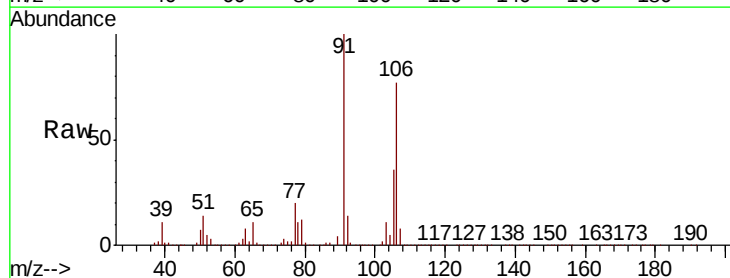
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013A-3036-01

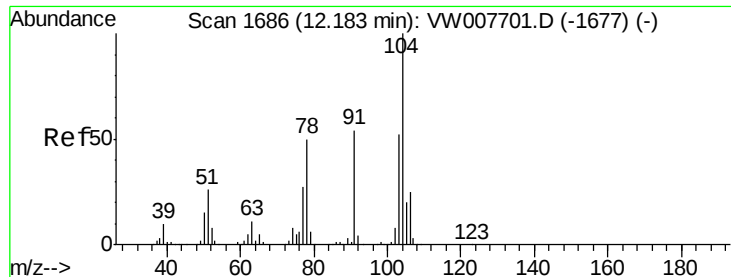
Tgt Ion:106 Resp:10319946
Ion Ratio Lower Upper
106 100
91 21.3 165.2 247.8#



#69
o-Xylene
Concen: 48558.409 ug/l
RT: 12.19 min Scan# 1688
Delta R.T. 0.02 min
Lab File: VW007830.D
Acq: 22 Dec 2018 09:15

Tgt Ion:106 Resp:21203328
Ion Ratio Lower Upper
106 100
91 0.0 110.5 331.4#





#70

Styrene

Concen: 1751.724 ug/l

RT: 12.21 min Scan# 1690

Delta R.T. 0.02 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013A-3036-01

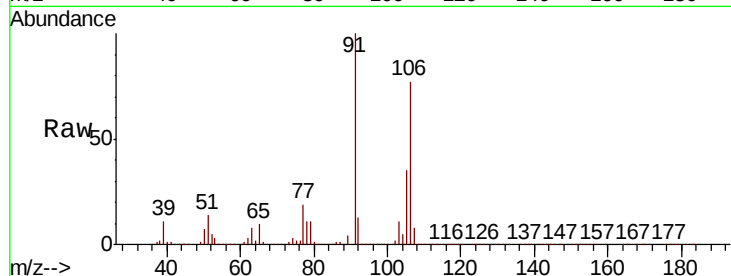
Tgt Ion:104 Resp: 1257345

Ion Ratio Lower Upper

104 100

78 249.8 43.4 65.0#

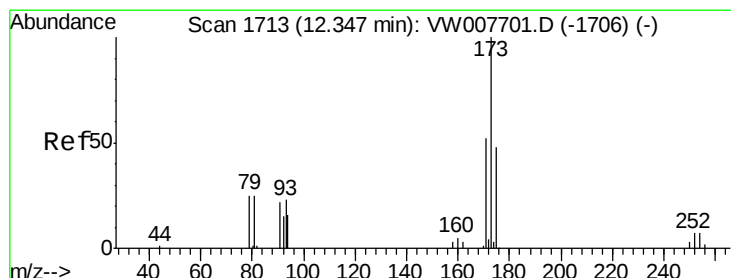
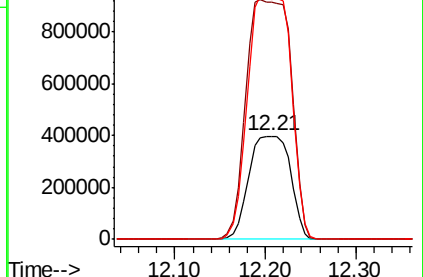
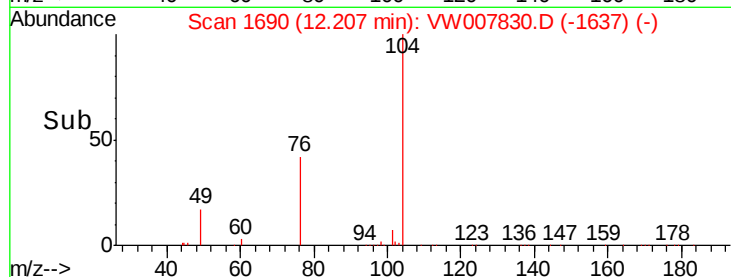
103 243.7 44.5 66.7#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 2.727 ug/l

RT: 12.34 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

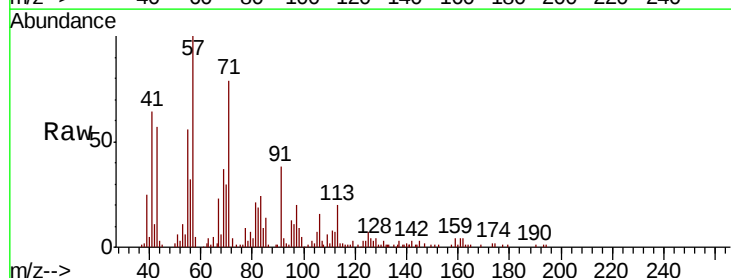
Tgt Ion:173 Resp: 354

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.7#

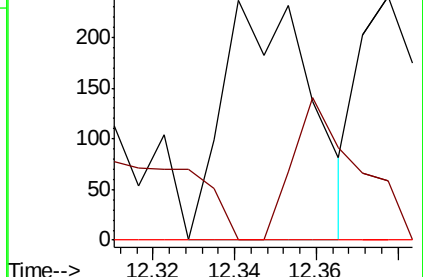
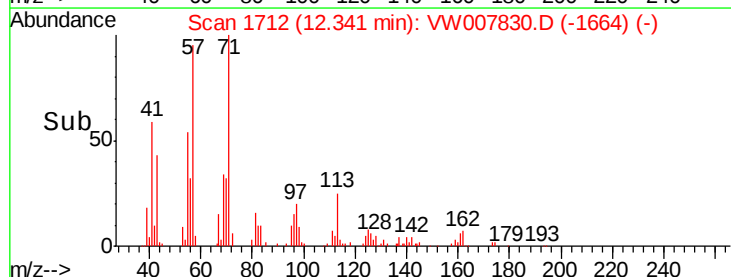
254 0.0 0.0 0.0

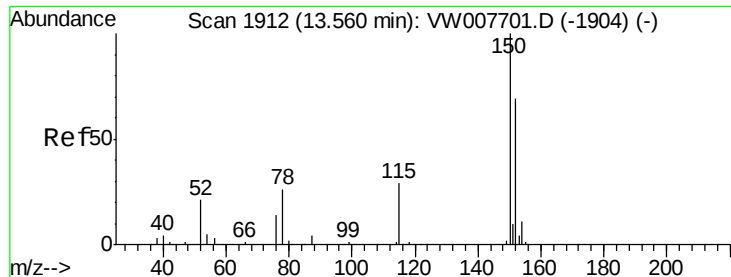


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013A-3036-01

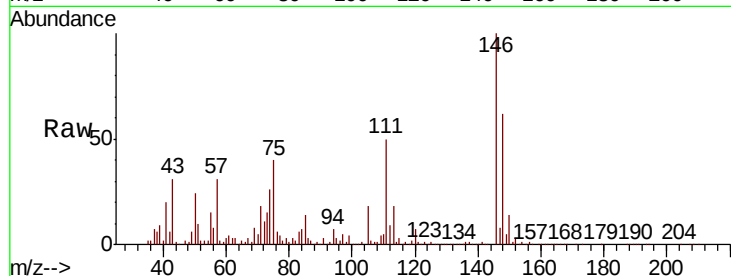
Tgt Ion:152 Resp: 7171

Ion Ratio Lower Upper

152 100

115 0.0 31.8 95.4#

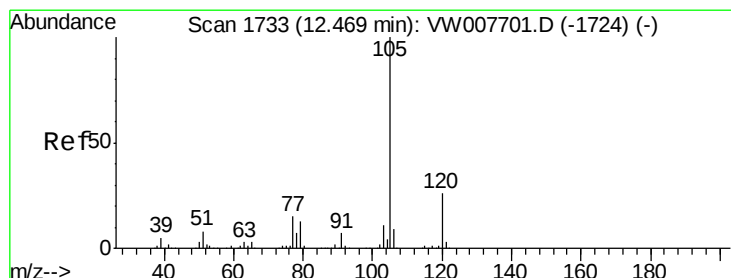
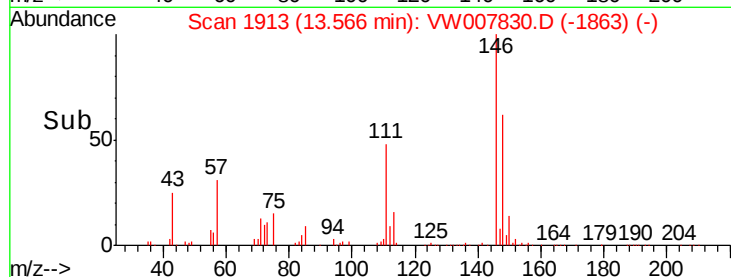
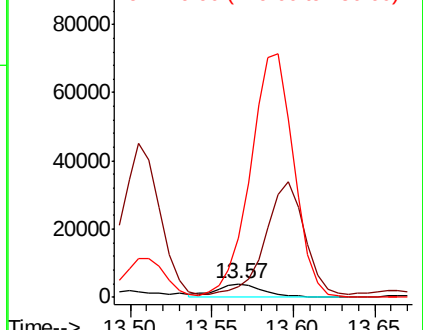
150 0.0 0.0 350.8



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: 2262.043 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW007830.D

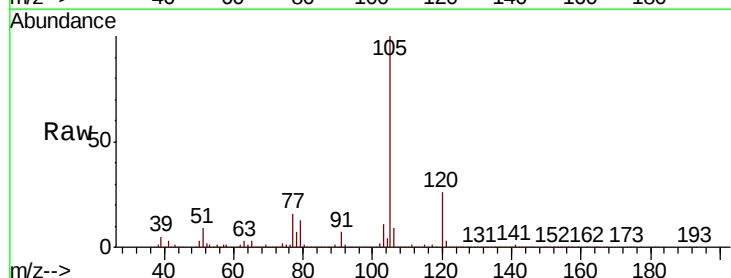
Acq: 22 Dec 2018 09:15

Tgt Ion:105 Resp: 1226135

Ion Ratio Lower Upper

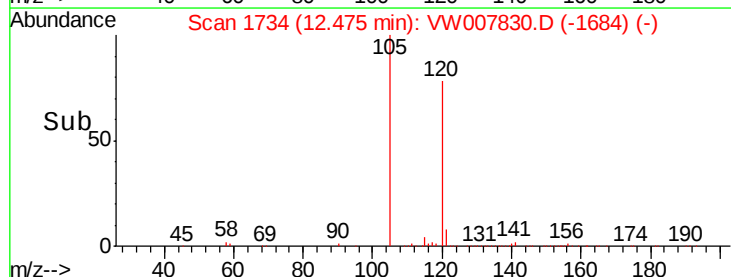
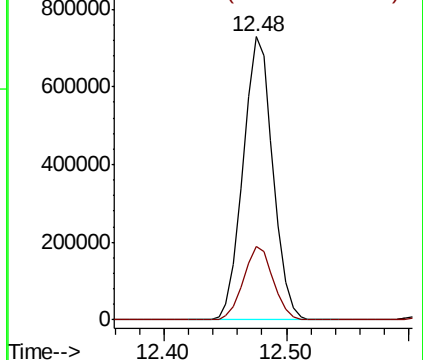
105 100

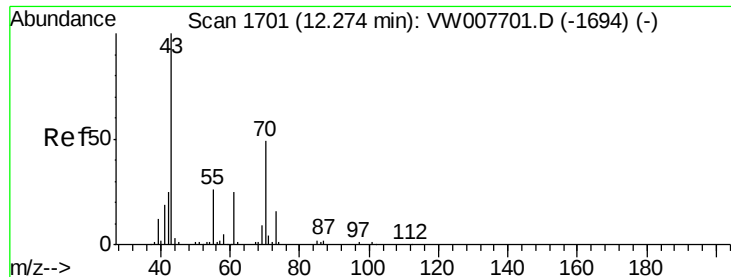
120 26.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 341.131 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.01 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013A-3036-01

Tgt Ion: 43 Resp: 32029

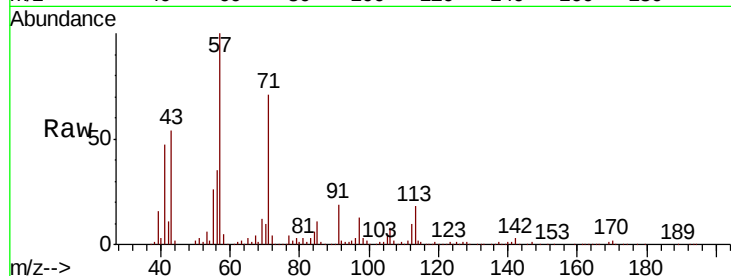
Ion Ratio Lower Upper

43 100

70 21.5 37.6 56.4#

55 37.8 21.7 32.5#

61 0.0 20.1 30.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

150000

100000

50000

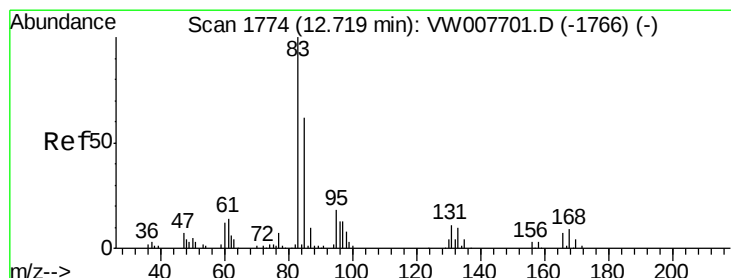
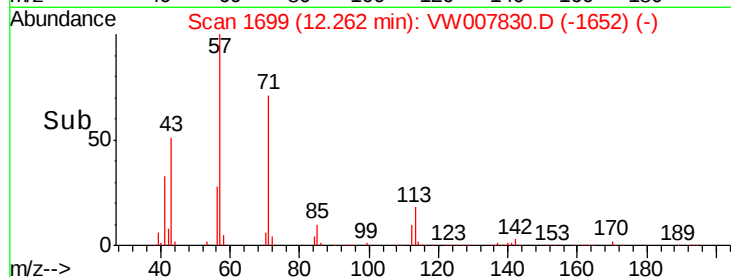
0

12.26

12.25

12.30

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 105.203 ug/l

RT: 12.79 min Scan# 1786

Delta R.T. 0.07 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

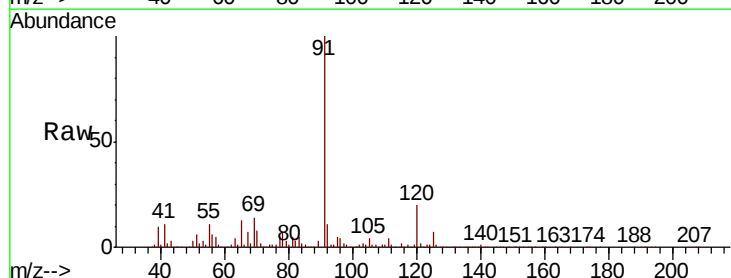
Tgt Ion: 83 Resp: 8550

Ion Ratio Lower Upper

83 100

131 0.0 6.3 18.8#

85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

8000

6000

4000

2000

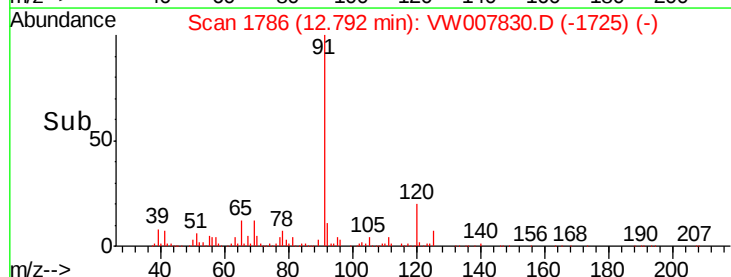
0

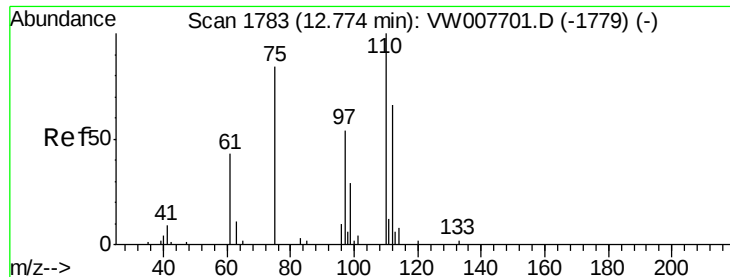
12.79

12.75

12.80

Time-->

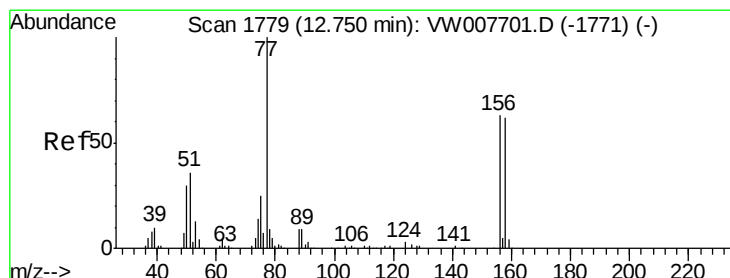
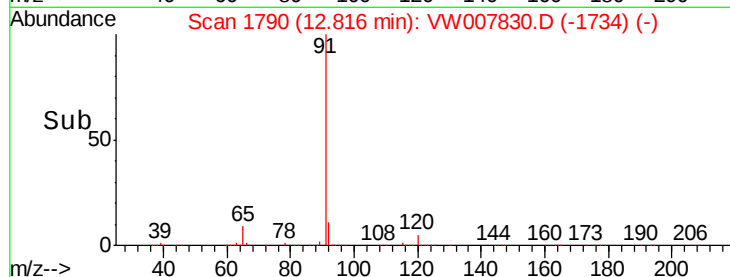
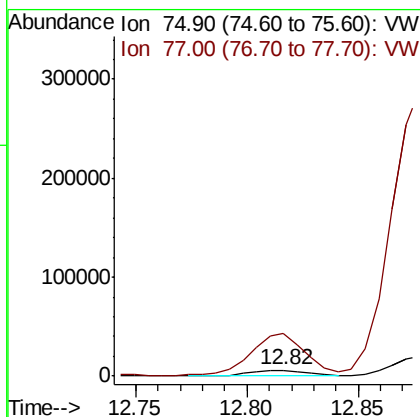
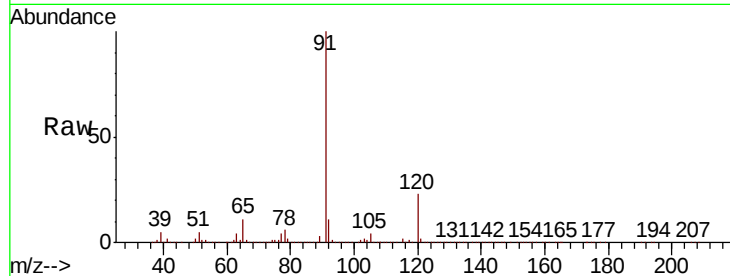




#76
 1,2,3-Trichloropropane
 Concen: 199.206 ug/l
 RT: 12.82 min Scan# 1790
 Delta R.T. 0.04 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

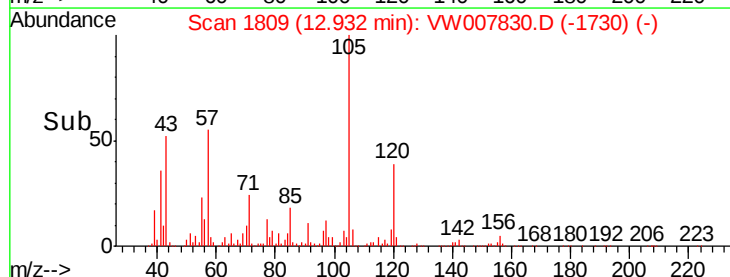
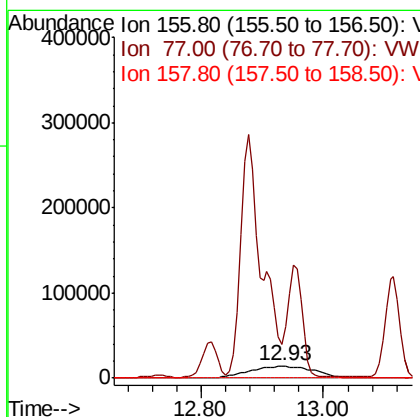
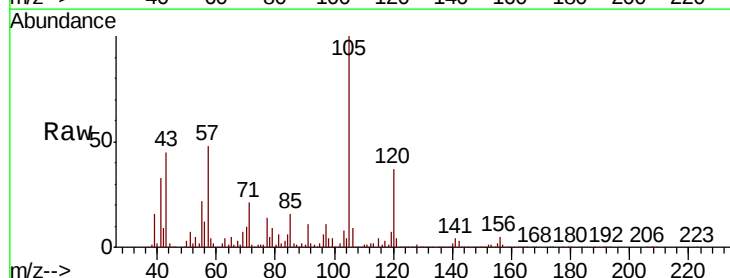
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-3036-01

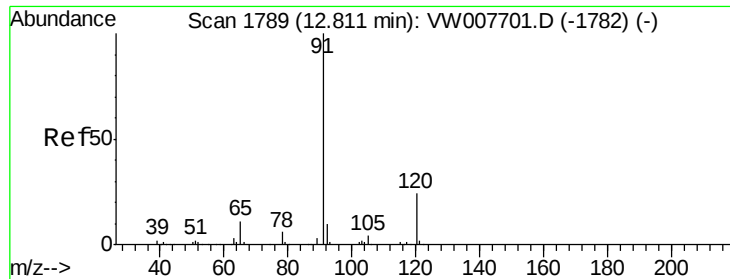
Tgt Ion: 75 Resp: 11041
 Ion Ratio Lower Upper
 75 100
 77 644.6 0.0 0.0#



#77
 Bromobenzene
 Concen: 824.858 ug/l
 RT: 12.93 min Scan# 1809
 Delta R.T. 0.18 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

Tgt Ion: 156 Resp: 102467
 Ion Ratio Lower Upper
 156 100
 77 207.6 87.4 262.1
 158 0.1 48.4 145.0#





#78

n-propylbenzene

Concen: 2741.308 ug/l

RT: 12.82 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

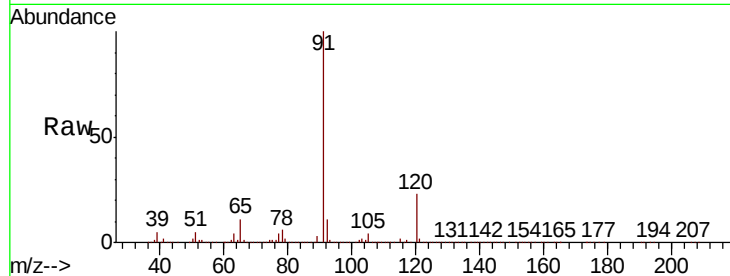
P001-SS013A-3036-01

Tgt Ion: 91 Resp: 1729706

Ion Ratio Lower Upper

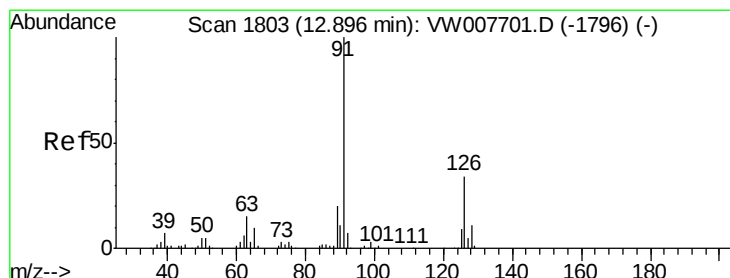
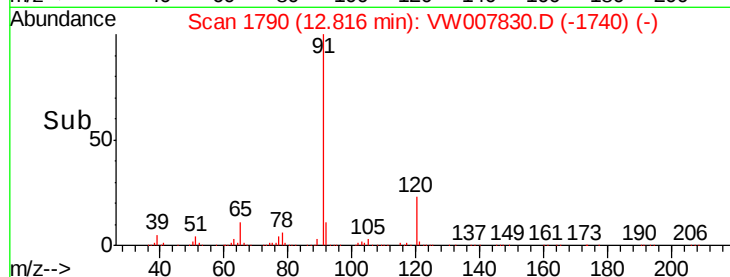
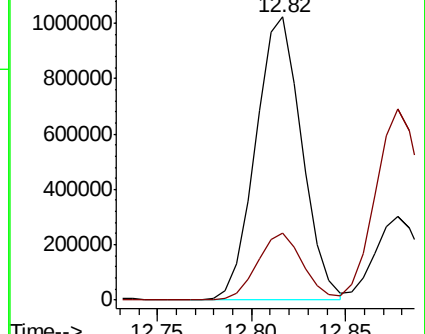
91 100

120 23.5 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1885.690 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. -0.02 min

Lab File: VW007830.D

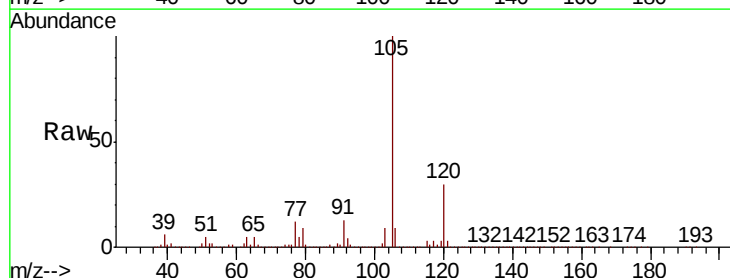
Acq: 22 Dec 2018 09:15

Tgt Ion: 91 Resp: 693133

Ion Ratio Lower Upper

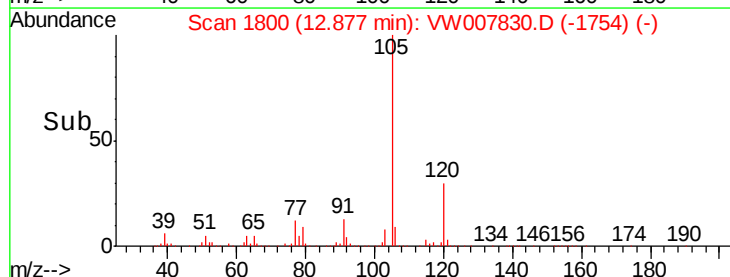
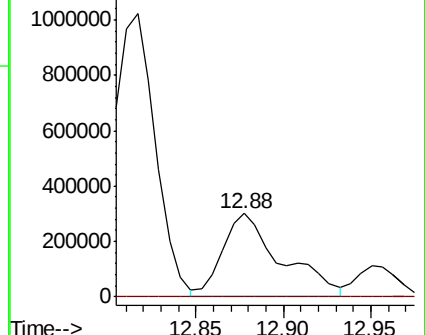
91 100

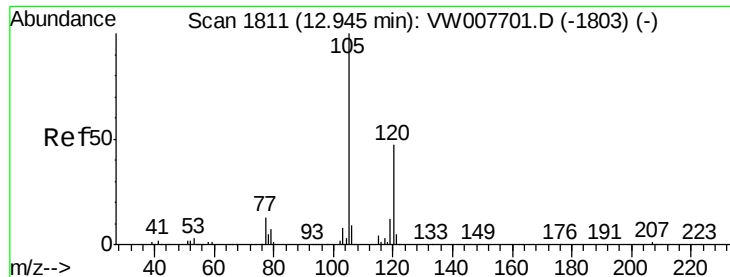
126 0.0 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

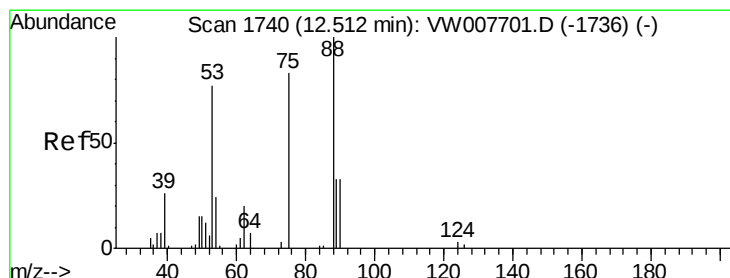
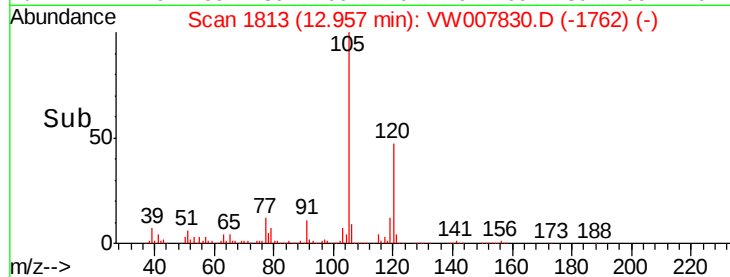
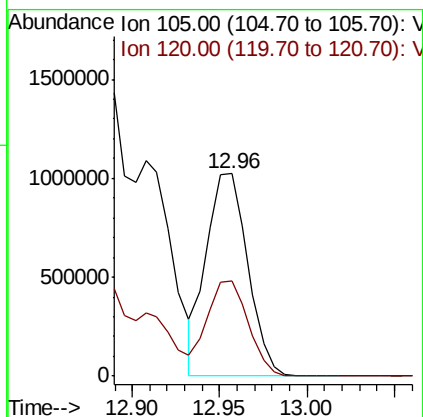
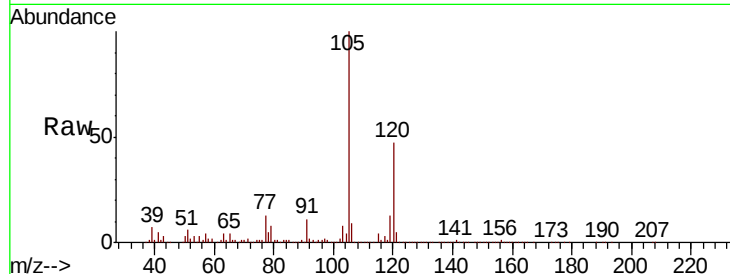




#80
 1,3,5-Trimethylbenzene
 Concen: 3609.731 ug/l
 RT: 12.96 min Scan# 1813
 Delta R.T. 0.01 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

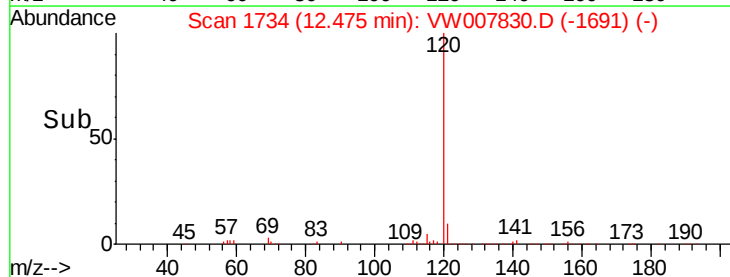
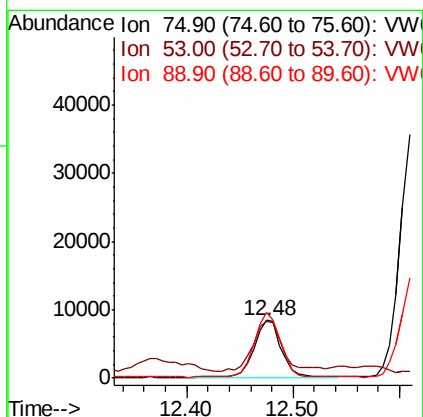
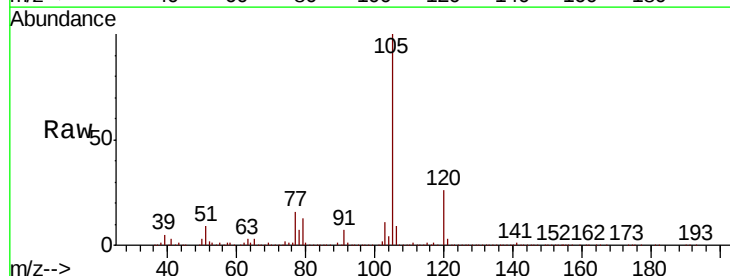
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-3036-01

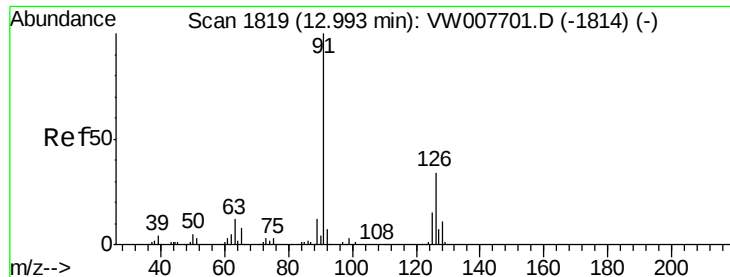
Tgt Ion: 105 Resp: 1687748
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.6 70.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 584.899 ug/l
 RT: 12.48 min Scan# 1734
 Delta R.T. -0.04 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

Tgt Ion: 75 Resp: 15444
 Ion Ratio Lower Upper
 75 100
 53 89.5 80.2 120.2
 89 107.2 39.2 58.8#

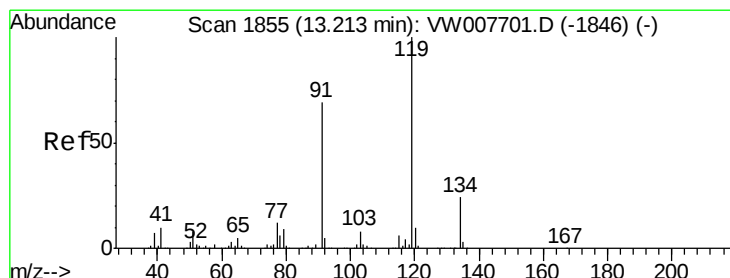
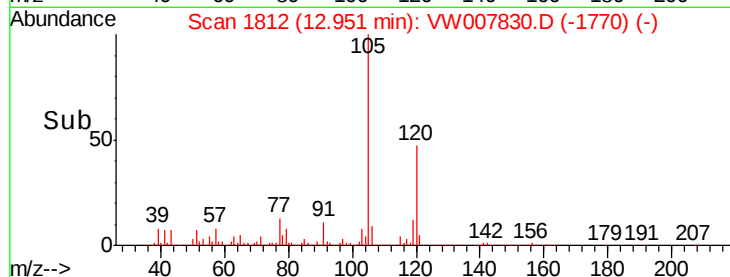
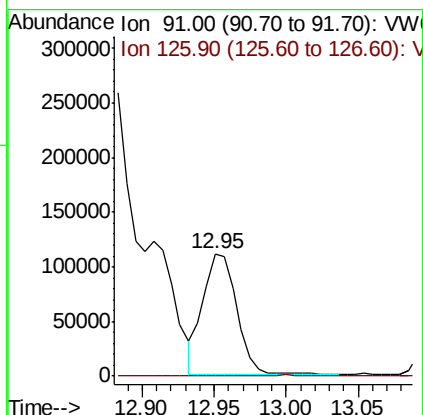
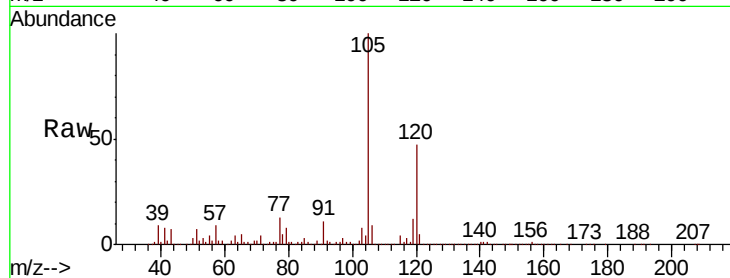




#82
4-Chlorotoluene
Concen: 461.093 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. -0.04 min
Lab File: VW007830.D
Acq: 22 Dec 2018 09:15

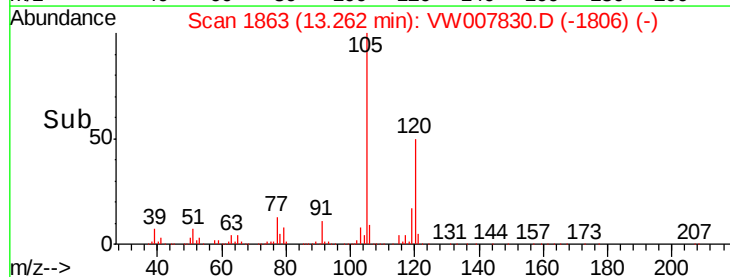
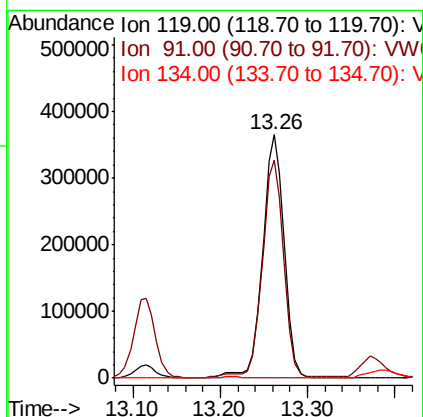
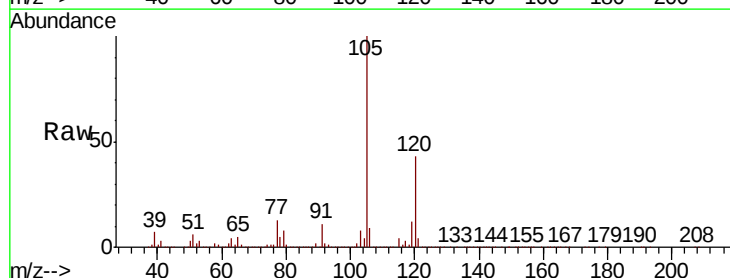
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013A-3036-01

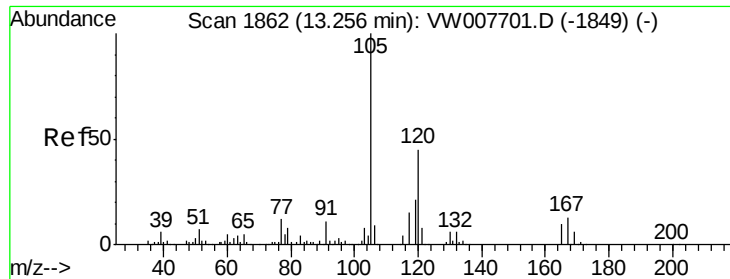
Tgt Ion: 91 Resp: 180463
Ion Ratio Lower Upper
91 100
126 0.1 16.5 49.5#



#83
tert-Butylbenzene
Concen: 1529.086 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. 0.05 min
Lab File: VW007830.D
Acq: 22 Dec 2018 09:15

Tgt Ion: 119 Resp: 627298
Ion Ratio Lower Upper
119 100
91 89.2 34.2 102.5
134 0.0 12.8 38.4#

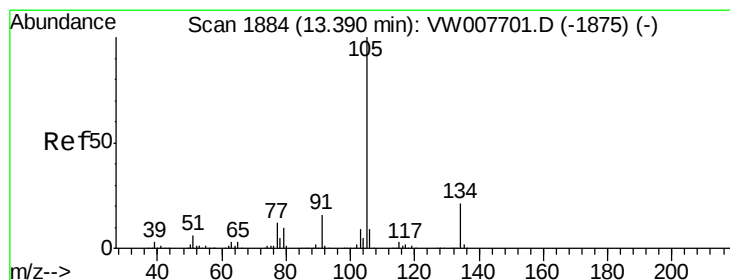
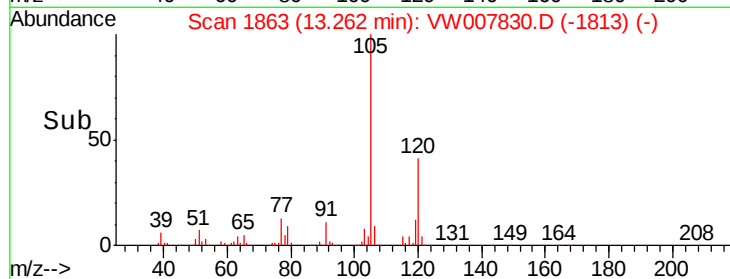
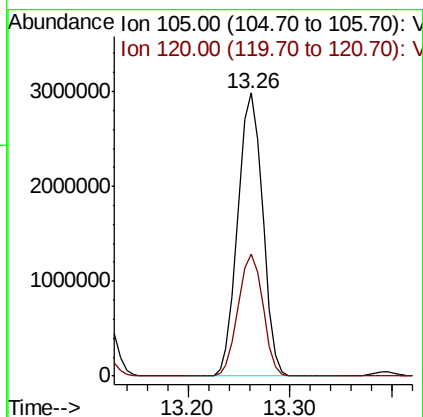
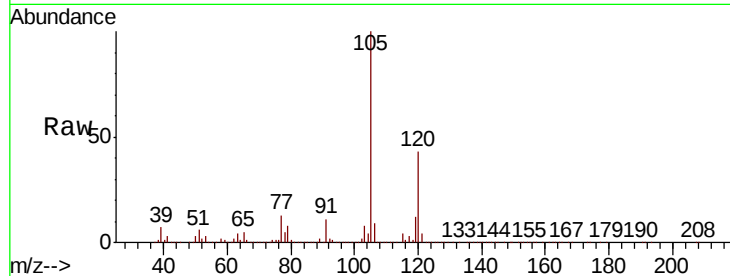




#84
 1,2,4-Trimethylbenzene
 Concen: 10660.097 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

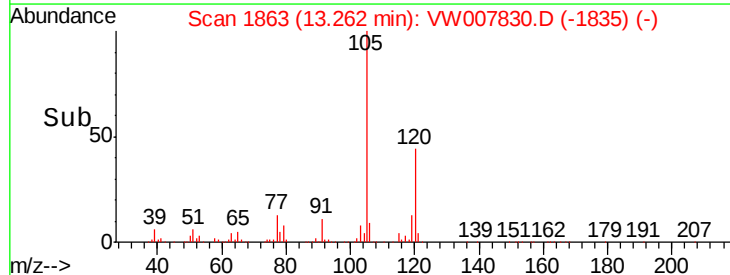
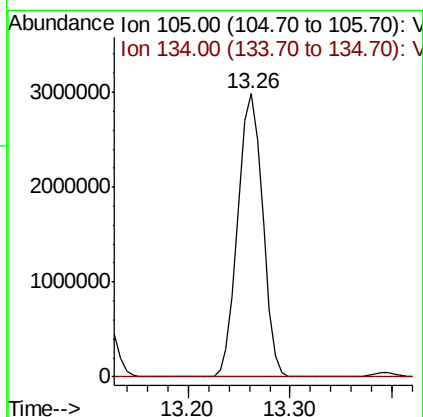
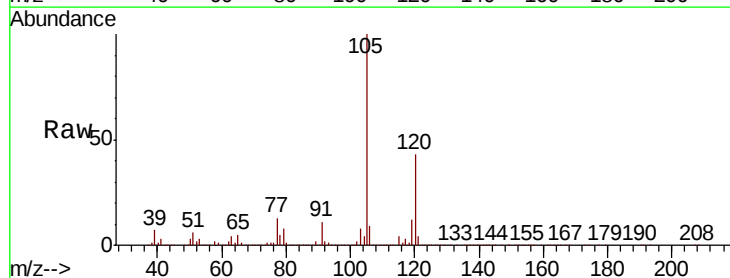
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-3036-01

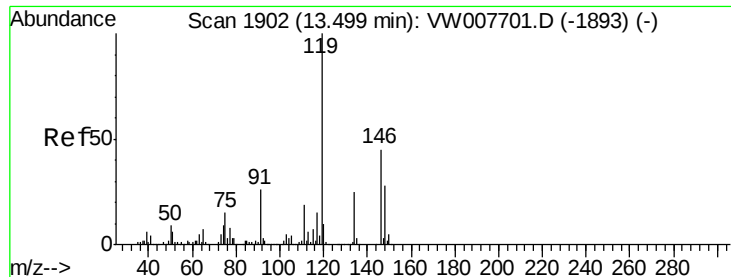
Tgt Ion:105 Resp: 5029318
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.0 66.0



#85
 sec-Butylbenzene
 Concen: 8895.308 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. -0.13 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

Tgt Ion:105 Resp: 5029318
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#

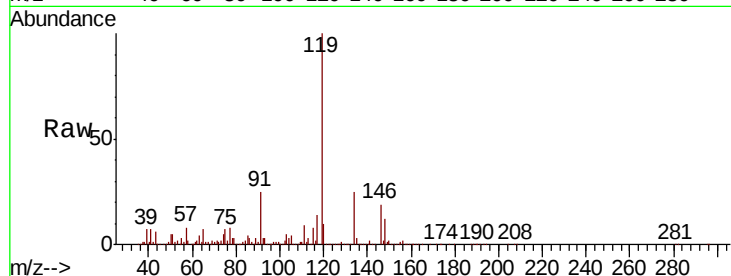




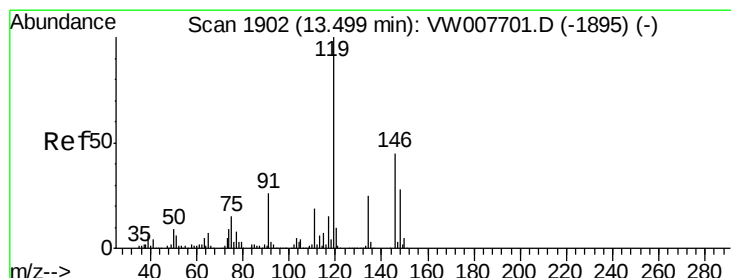
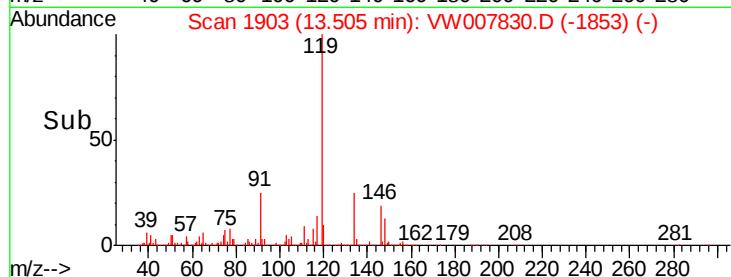
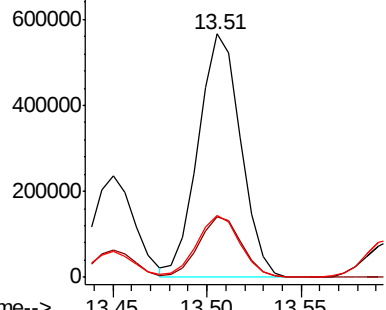
#86
p-Isopropyltoluene
Concen: 1722.244 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.01 min
Lab File: VW007830.D
Acq: 22 Dec 2018 09:15

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013A-3036-01

Tgt Ion:119 Resp: 885435
Ion Ratio Lower Upper
119 100
134 25.0 13.0 39.0
91 25.2 12.8 38.4

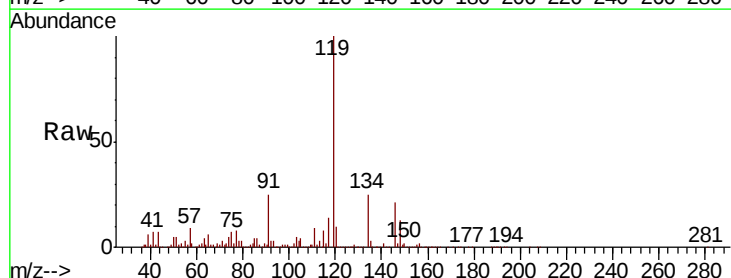


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

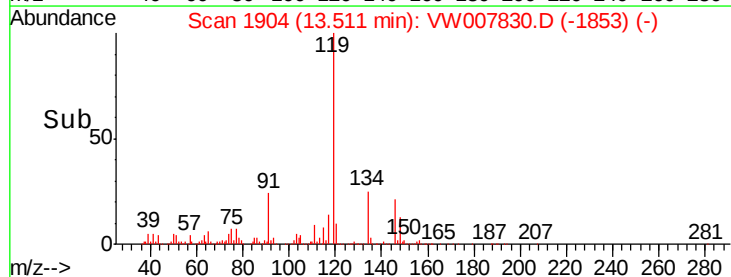
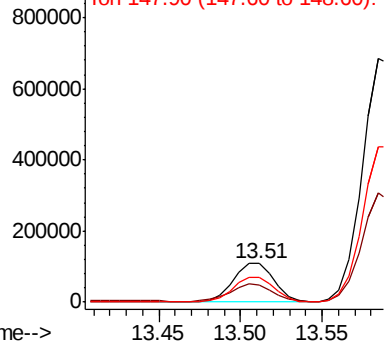


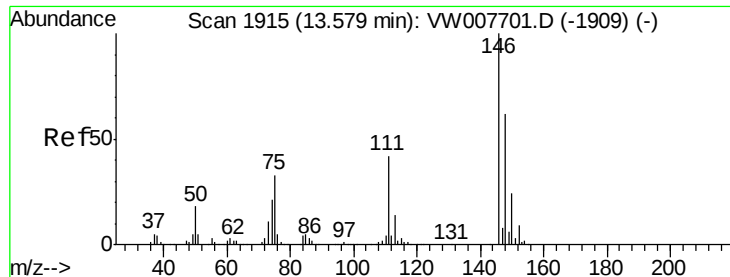
#87
1,3-Dichlorobenzene
Concen: 774.992 ug/l
RT: 13.51 min Scan# 1904
Delta R.T. 0.01 min
Lab File: VW007830.D
Acq: 22 Dec 2018 09:15

Tgt Ion:146 Resp: 191147
Ion Ratio Lower Upper
146 100
111 44.4 21.1 63.4
148 64.1 32.1 96.5



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

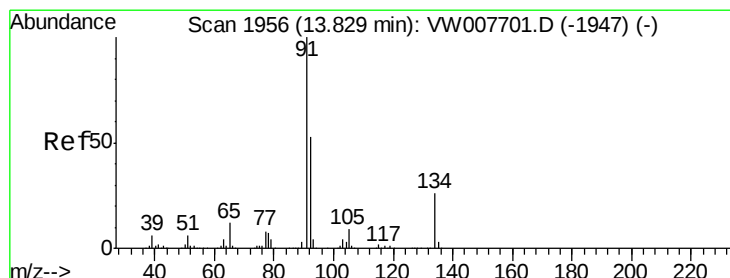
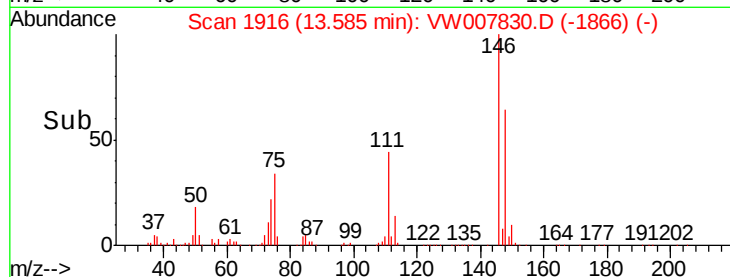
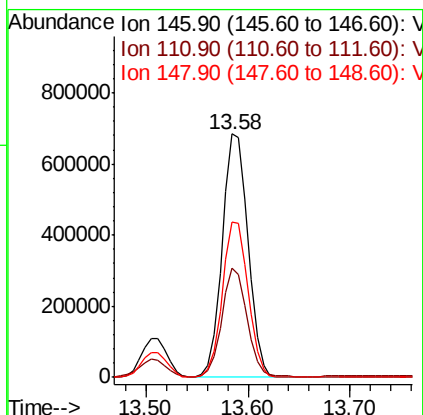
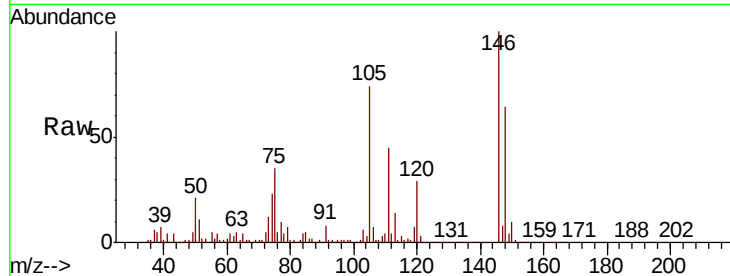




#88
 1,4-Dichlorobenzene
 Concen: 4853.595 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

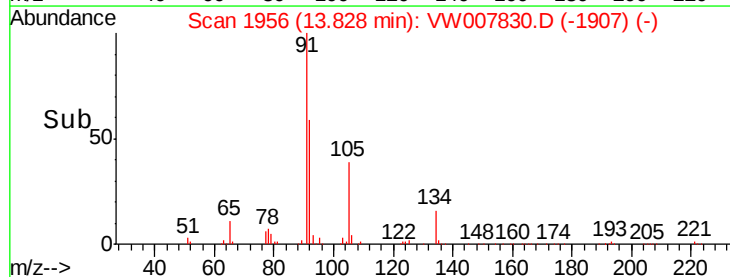
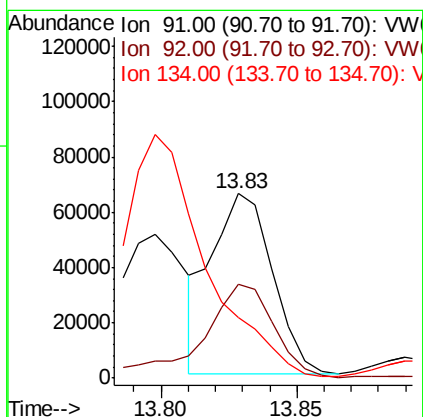
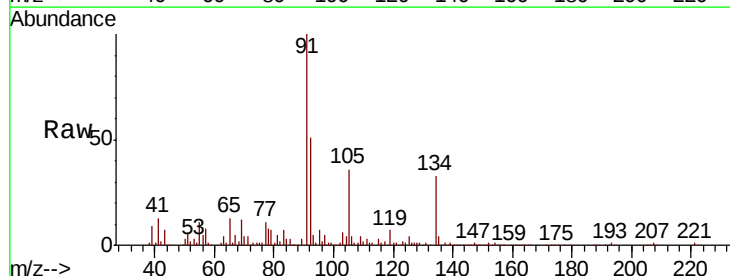
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-3036-01

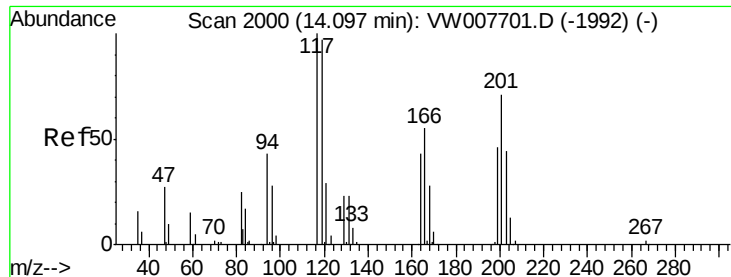
Tgt Ion:146 Resp: 1197461
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.0 63.0
 148 63.9 31.8 95.4



#89
 n-Butylbenzene
 Concen: 212.649 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

Tgt Ion: 91 Resp: 100239
 Ion Ratio Lower Upper
 91 100
 92 58.6 26.4 79.2
 134 0.0 13.7 41.0#

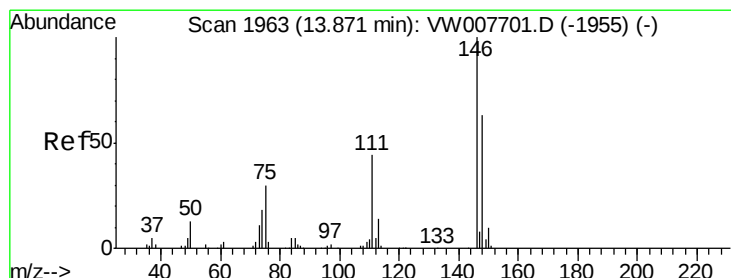
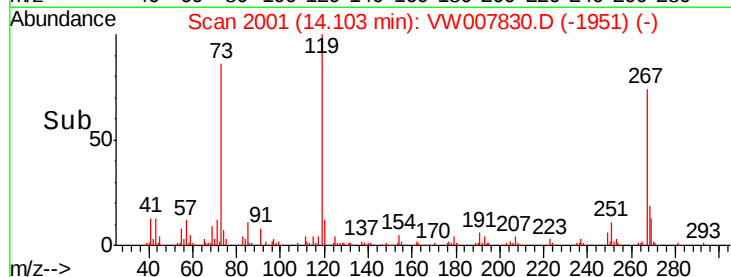
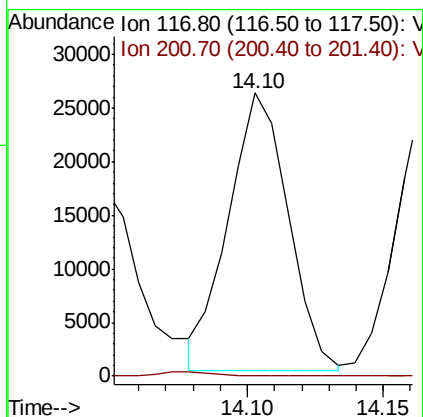
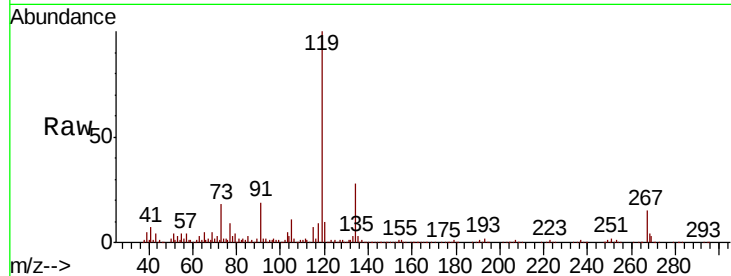




#90
Hexachloroethane
Concen: 436.301 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW007830.D
Acq: 22 Dec 2018 09:15

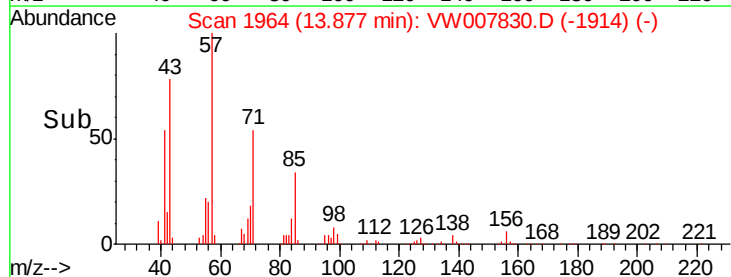
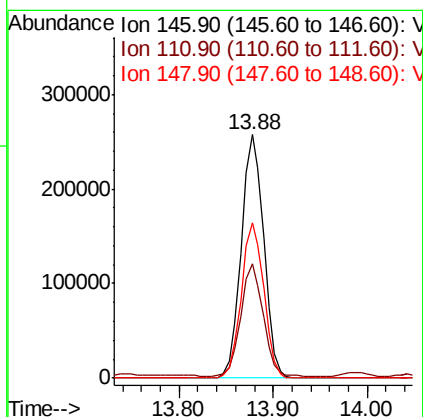
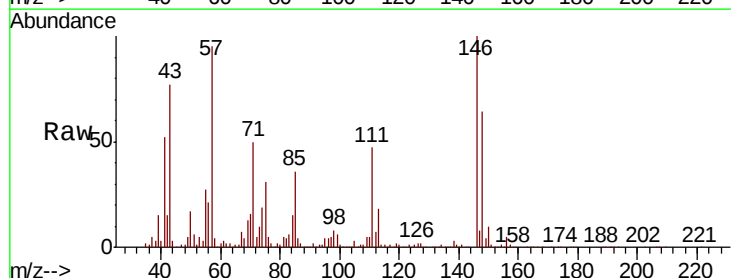
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013A-3036-01

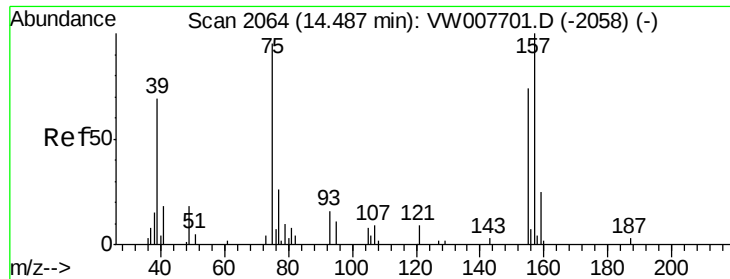
Tgt Ion:117 Resp: 39380
Ion Ratio Lower Upper
117 100
201 0.0 36.2 108.6#



#91
1,2-Dichlorobenzene
Concen: 1936.750 ug/l
RT: 13.88 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VW007830.D
Acq: 22 Dec 2018 09:15

Tgt Ion:146 Resp: 427693
Ion Ratio Lower Upper
146 100
111 46.3 21.7 65.1
148 63.7 32.1 96.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 30.797 ug/l

RT: 14.51 min Scan# 2068

Delta R.T. 0.02 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013A-3036-01

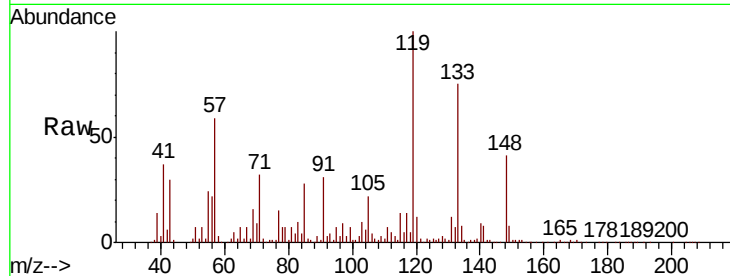
Tgt Ion: 75 Resp: 514

Ion Ratio Lower Upper

75 100

155 74.7 39.4 118.1

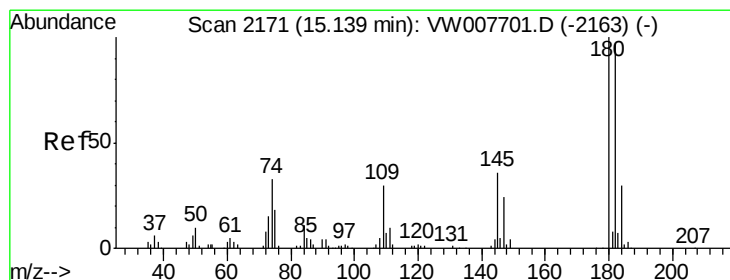
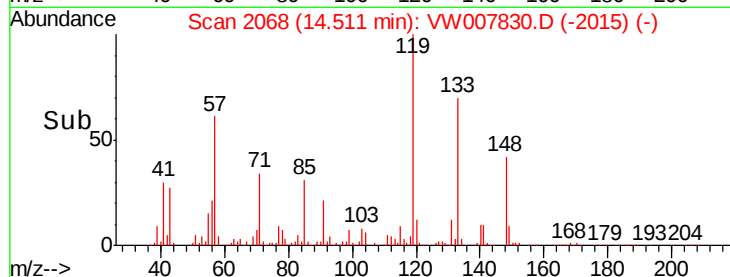
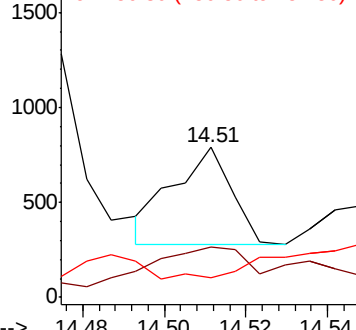
157 0.0 52.0 156.0#



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: 4357.591 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

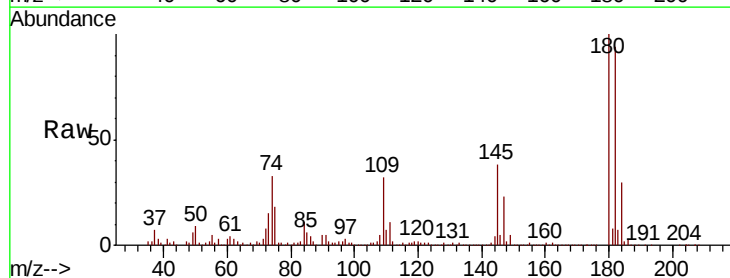
Tgt Ion: 180 Resp: 667971

Ion Ratio Lower Upper

180 100

182 94.7 47.5 142.6

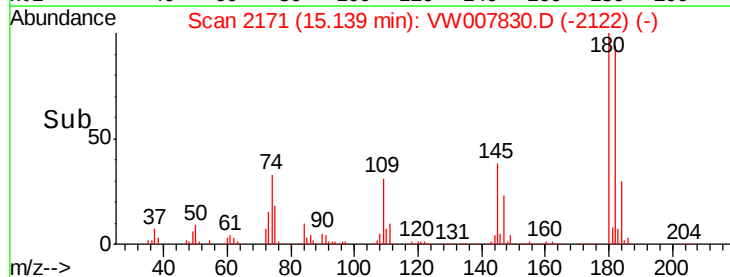
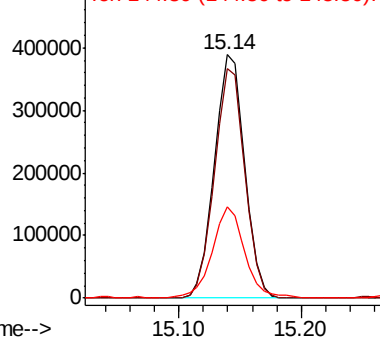
145 39.4 17.5 52.5

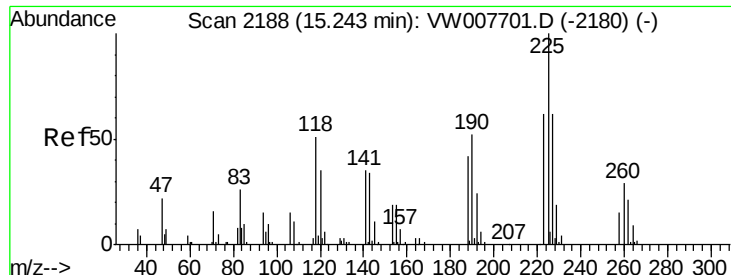


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 7.849 ug/l

RT: 15.51 min Scan# 2232

Delta R.T. 0.27 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013A-3036-01

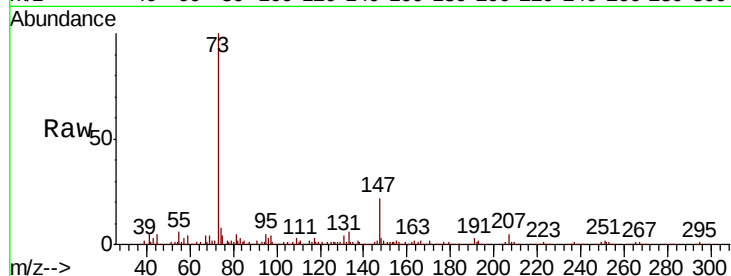
Tgt Ion:225 Resp: 643

Ion Ratio Lower Upper

225 100

223 384.3 31.6 94.8#

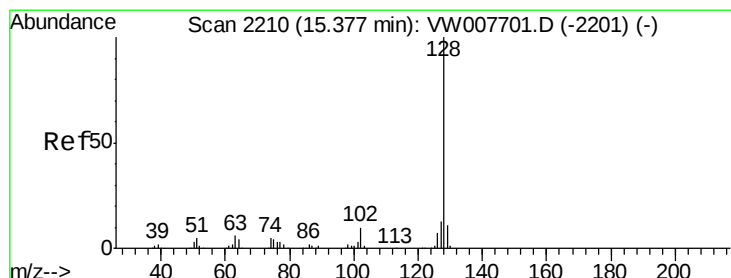
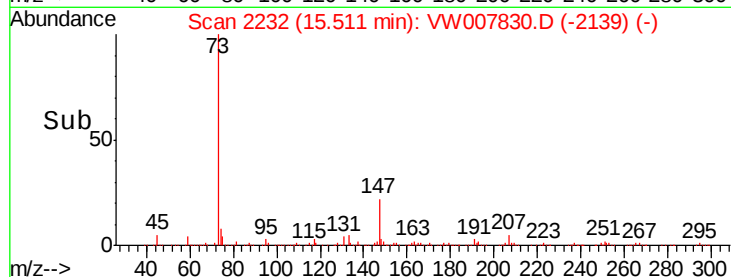
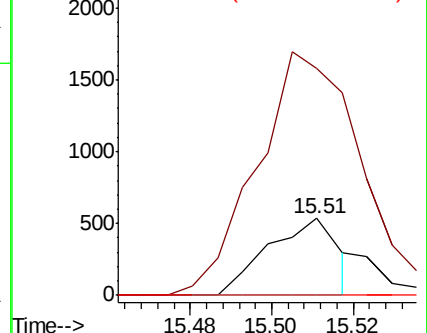
227 0.0 32.1 96.3#



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: 8794.729 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

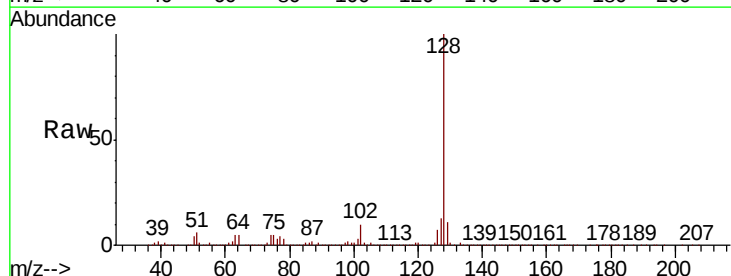
Tgt Ion:128 Resp: 2492477

Ion Ratio Lower Upper

128 100

127 13.8 10.7 16.1

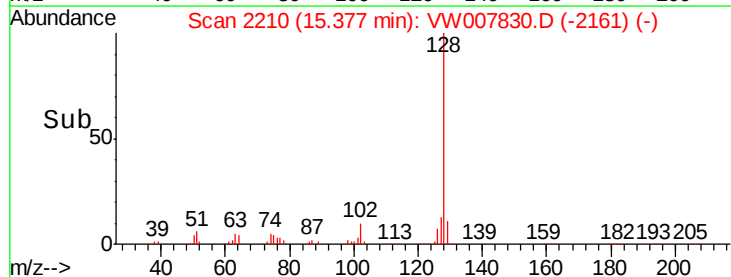
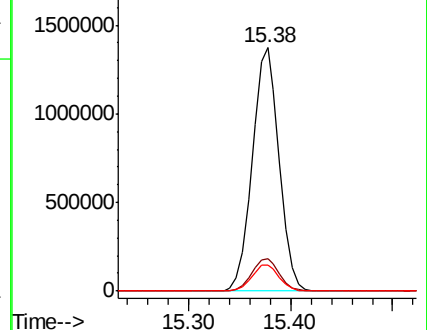
129 11.0 8.8 13.2

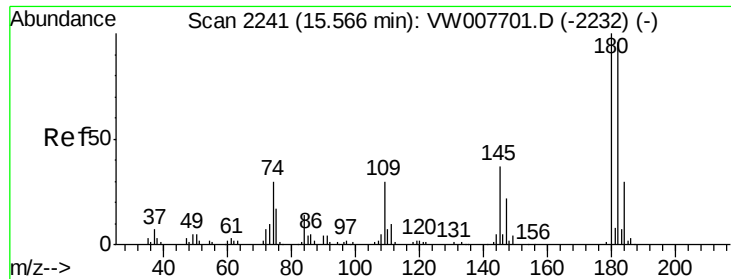


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

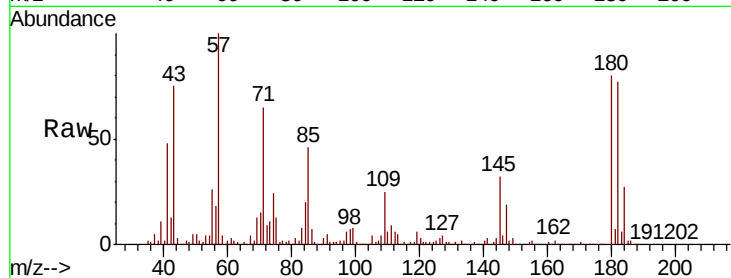




#96
 1,2,3-Trichlorobenzene
 Concen: 2612.195 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW007830.D
 Acq: 22 Dec 2018 09:15

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-3036-01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	41.5	18.4	55.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

