

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091619\
 Data File : VX012423.D
 Acq On : 16 Sep 2019 22:12
 Operator : JC/SP
 Sample : K4830-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 K4830-11MS

Quant Time: Sep 17 04:57:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	113276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	185068	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	173125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99785	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	121193	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
35) Dibromofluoromethane	5.49	113	85338	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
50) Toluene-d8	8.71	98	311390	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
62) 4-Bromofluorobenzene	11.14	95	128230	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.19	85	24	0.509 ug/l #	42
3) Chloromethane	1.32	50	1097	1.261 ug/l #	80
5) Bromomethane	1.64	94	353	0.872 ug/l #	48
6) Chloroethane	1.93	64	767	1.219 ug/l #	44
10) Methyl Iodide	2.51	142	282	0.235 ug/l #	85
11) Tert butyl alcohol	3.01	59	622	1.062 ug/l #	72
13) Acrolein	2.38	56	4702	18.632 ug/l	88
14) Allyl chloride	2.84	41	16180	7.098 ug/l #	69
15) Acrylonitrile	3.16	53	3523	3.637 ug/l #	41
16) Acetone	2.44	43	3363	3.226 ug/l	95
17) Carbon Disulfide	2.56	76	543	1.867 ug/l #	51
18) Methyl Acetate	2.83	43	37793	16.281 ug/l #	53
20) Methylene Chloride	2.84	84	868	0.610 ug/l #	36
25) 2-Butanone	4.69	43	1195	0.805 ug/l #	51
31) Cyclohexane	5.57	56	77397	48.536 ug/l	97
36) 1,1-Dichloropropene	5.65	75	10207	5.968 ug/l #	46
38) Carbon Tetrachloride	5.65	117	13046	6.251 ug/l #	16
39) Methylcyclohexane	7.46	83	166800	101.540 ug/l	96
43) Isopropyl Acetate	6.45	43	2618	0.579 ug/l #	65
45) 1,2-Dichloropropane	7.46	63	2238	1.390 ug/l #	1
47) Bromodichloromethane	7.84	83	1484	0.619 ug/l #	1
48) Methyl methacrylate	7.73	41	11003	6.217 ug/l #	59
49) 1,4-Dioxane	7.58	88	19	0.369 ug/l #	1
51) 4-Methyl-2-Pentanone	8.67	43	4364	1.491 ug/l #	43
55) 1,1,2-Trichloroethane	9.16	97	46983	26.065 ug/l #	18
56) Ethyl methacrylate	9.16	69	10395	3.833 ug/l #	1
59) 2-Hexanone	9.44	43	8305	3.680 ug/l #	30
60) Dibromochloromethane	9.44	129	23	1.754 ug/l #	11
67) Ethyl Benzene	10.25	91	25701	3.726 ug/l	94
68) m/p-Xylenes	10.36	106	32590	12.799 ug/l	98
69) o-Xylene	10.70	106	4958	1.878 ug/l	92
71) Bromoform	11.12	173	45	2.092 ug/l #	29
73) Isopropylbenzene	11.01	105	583847	84.218 ug/l	99
74) N-amyl acetate	10.90	43	1440	0.392 ug/l #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091619\
 Data File : VX012423.D
 Acq On : 16 Sep 2019 22:12
 Operator : JC/SP
 Sample : K4830-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

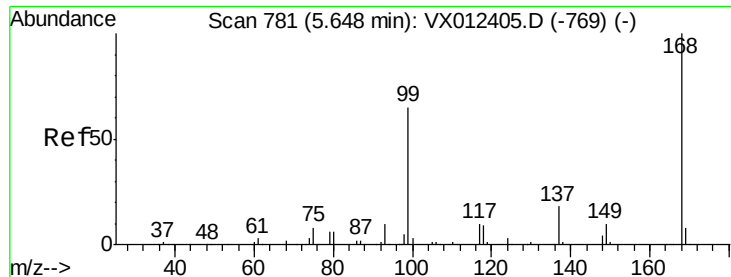
Instrument :
 MSVOA_X
 ClientSampleId :
 K4830-11MS

Quant Time: Sep 17 04:57:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

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

75) 1,1,2,2-Tetrachloroethane	11.27	83	3375	1.214	ug/l #	25
76) 1,2,3-Trichloropropane	11.35	75	4866	1.886	ug/l #	1
78) n-propylbenzene	11.35	91	648467	82.767	ug/l	99
79) 2-Chlorotoluene	11.35	91	648467	128.929	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.45	105	59168	9.801	ug/l	69
81) trans-1,4-Dichloro-2-buten	11.01	75	7922	8.670	ug/l #	73
82) 4-Chlorotoluene	11.35	91	648467	110.559	ug/l #	47
83) tert-Butylbenzene	11.76	119	18010	2.813	ug/l	92
84) 1,2,4-Trimethylbenzene	11.81	105	1526619	249.227	ug/l	99
85) sec-Butylbenzene	11.94	105	109624	15.486	ug/l	82
86) p-Isopropyltoluene	12.06	119	29293	4.517	ug/l	99
89) n-Butylbenzene	12.39	91	44690	7.803	ug/l #	71
90) Hexachloroethane	12.58	117	10511	8.383	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	12.97	75	1580	2.152	ug/l #	4
95) Naphthalene	13.83	128	351749	41.688	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

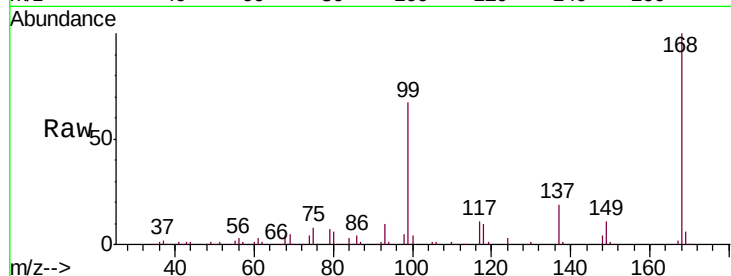
K4830-11MS

Tgt Ion:168 Resp: 113276

Ion Ratio Lower Upper

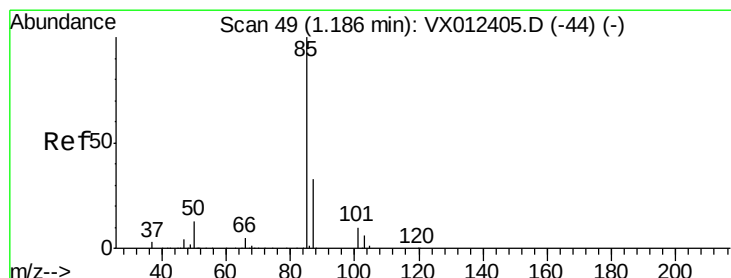
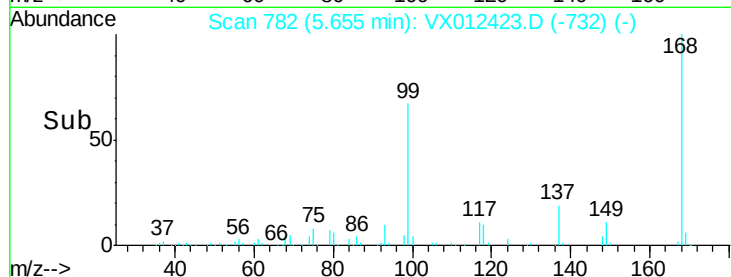
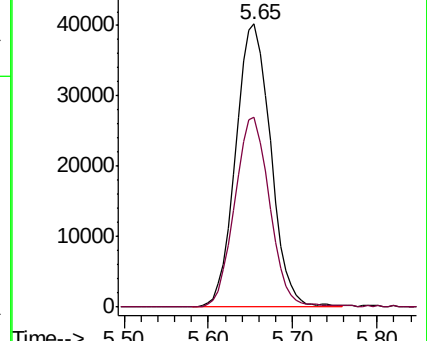
168 100

99 67.2 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.509 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012423.D

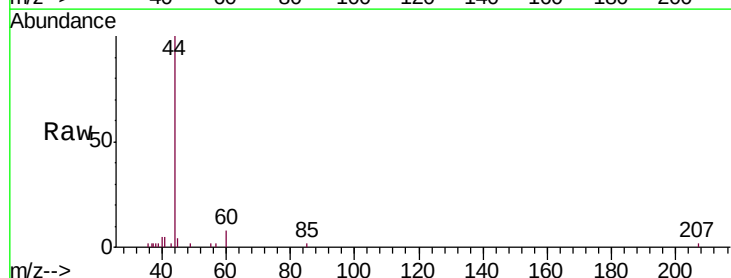
Acq: 16 Sep 2019 22:12

Tgt Ion: 85 Resp: 24

Ion Ratio Lower Upper

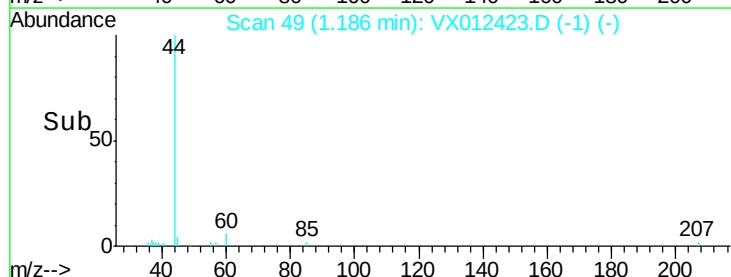
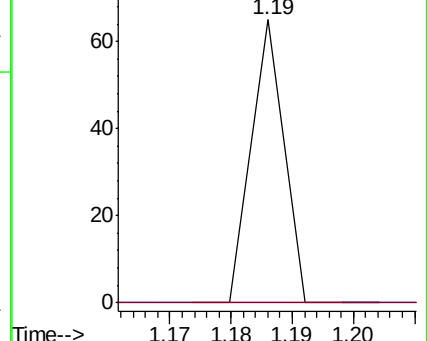
85 100

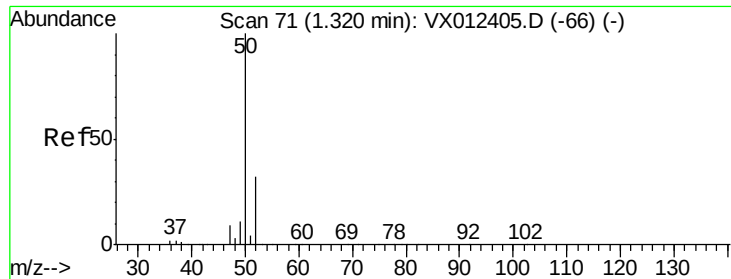
87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 1.261 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

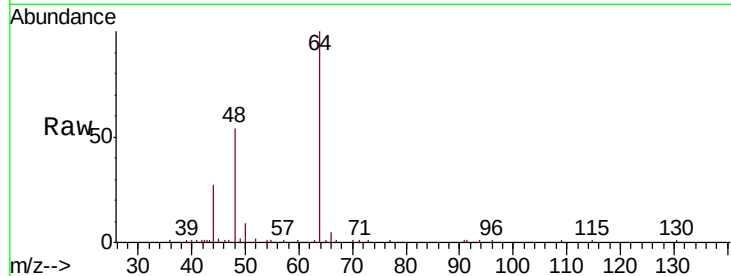
K4830-11MS

Tgt Ion: 50 Resp: 1097

Ion Ratio Lower Upper

50 100

52 20.5 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

400

200

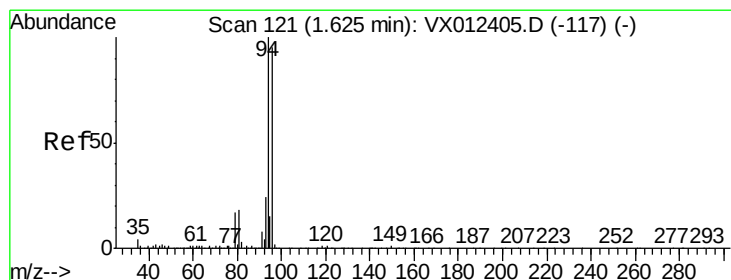
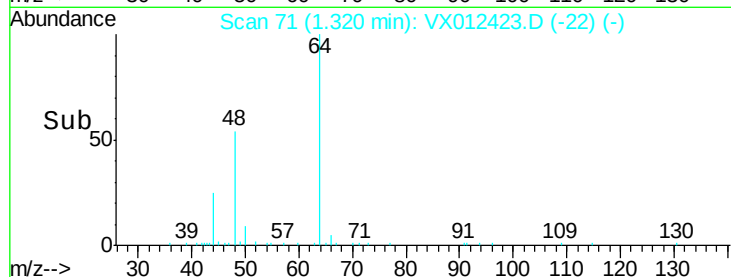
0

1.25

1.30

1.35

Time-->



#5

Bromomethane

Concen: 0.872 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012423.D

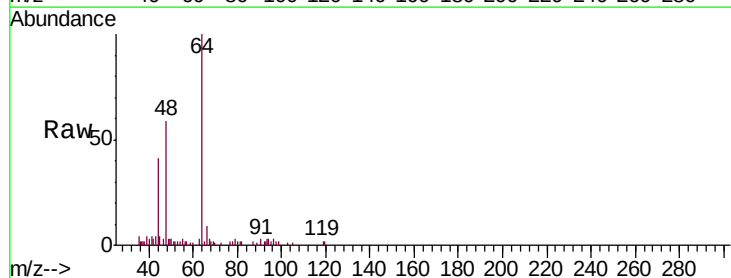
Acq: 16 Sep 2019 22:12

Tgt Ion: 94 Resp: 353

Ion Ratio Lower Upper

94 100

96 44.4 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

150

100

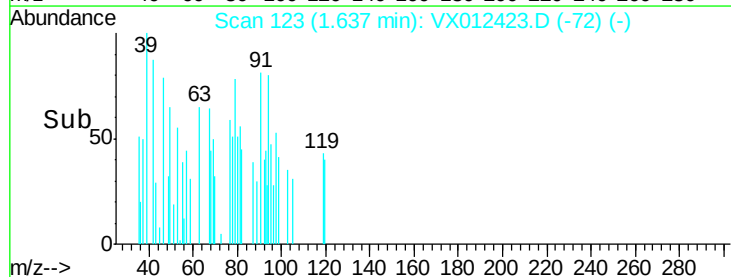
50

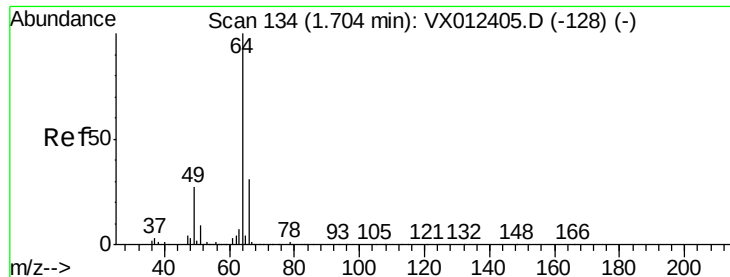
0

1.60

1.65

Time-->





#6

Chloroethane

Concen: 1.219 ug/l

RT: 1.93 min Scan# 171

Delta R.T. 0.23 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampled :

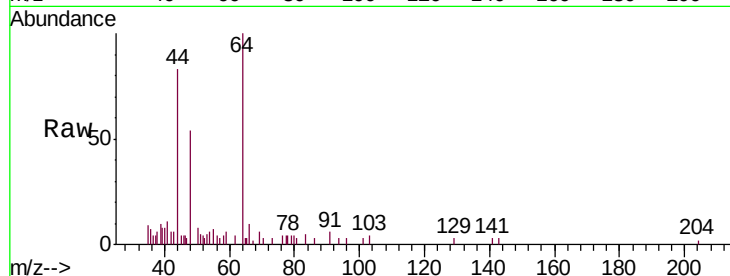
K4830-11MS

Tgt Ion: 64 Resp: 767

Ion Ratio Lower Upper

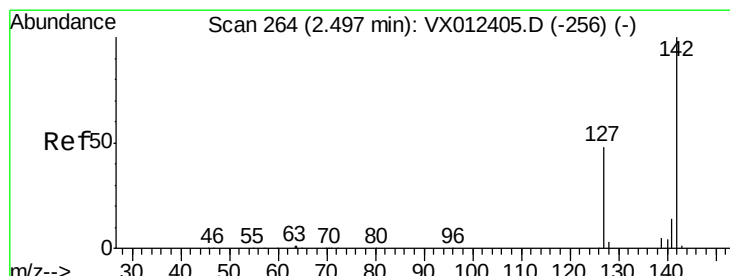
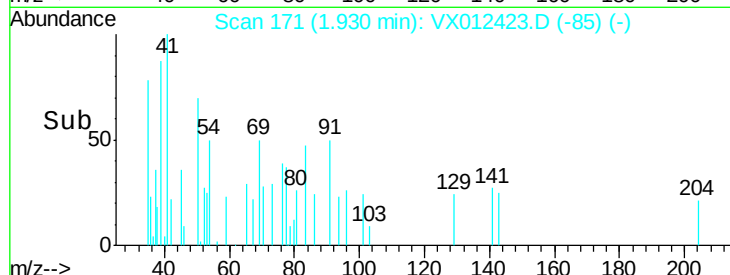
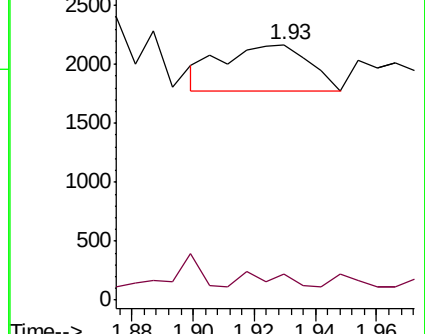
64 100

66 0.0 24.7 37.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.235 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

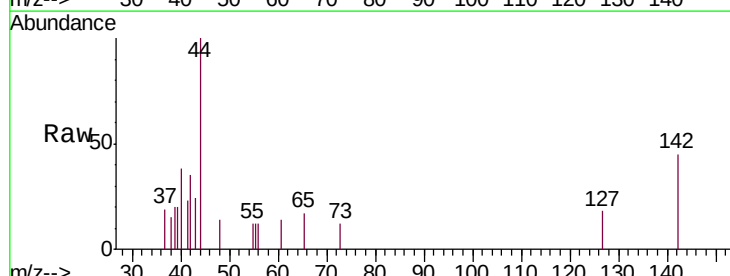
Tgt Ion: 142 Resp: 282

Ion Ratio Lower Upper

142 100

127 56.0 39.6 59.4

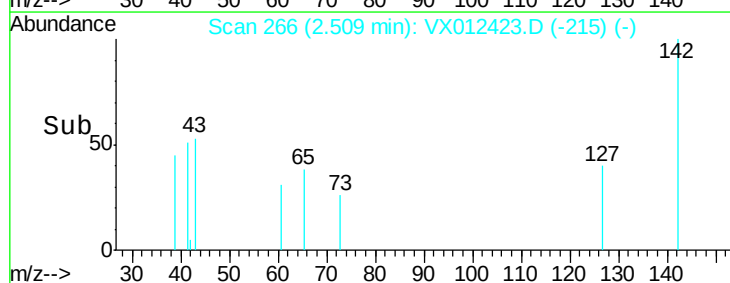
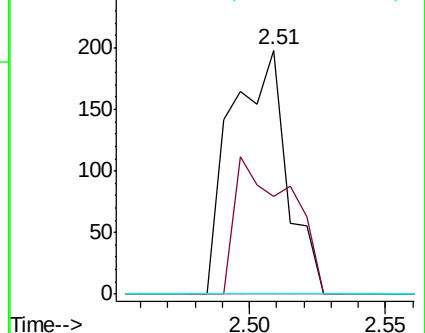
141 0.0 11.6 17.4#

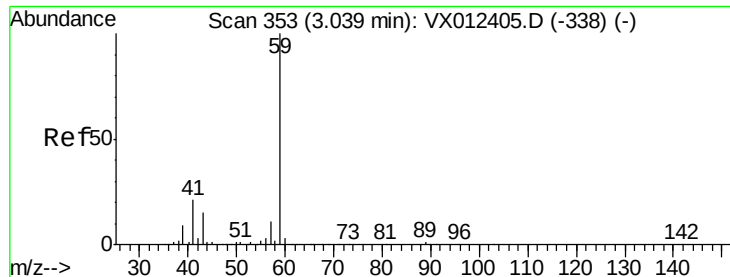


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

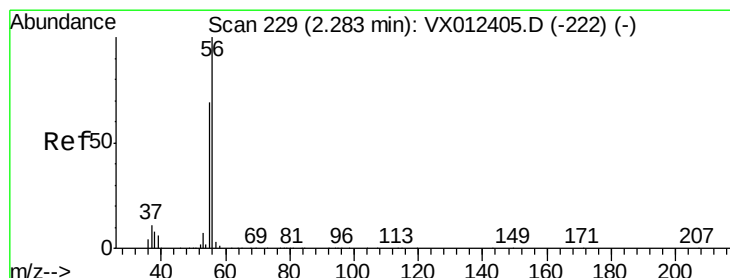
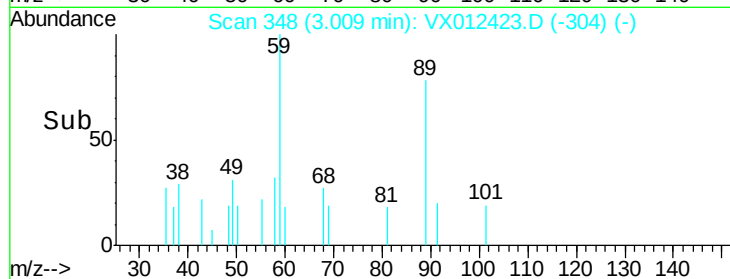
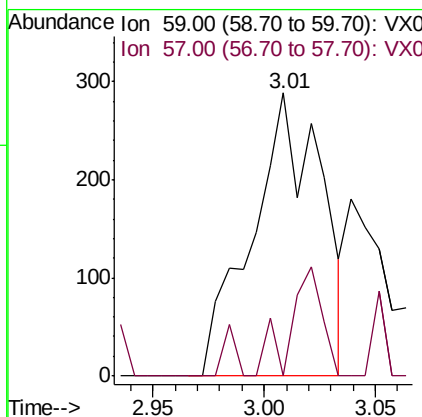
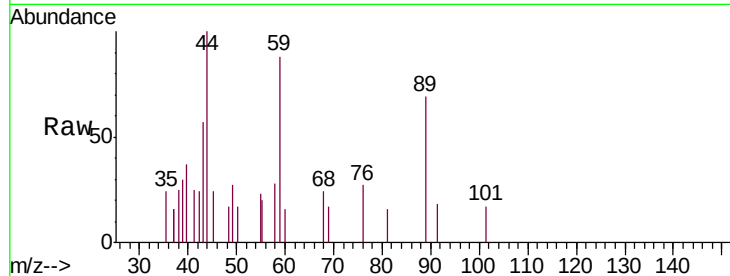




#11
Tert butyl alcohol
Concen: 1.062 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012423.D
Acq: 16 Sep 2019 22:12

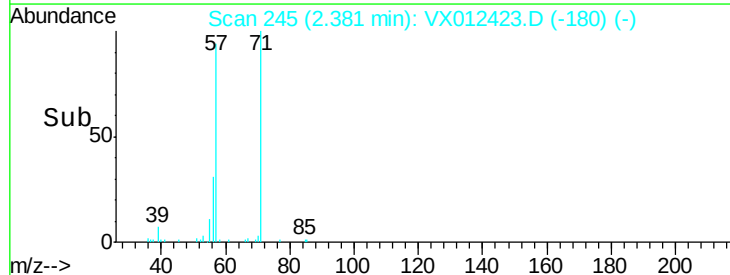
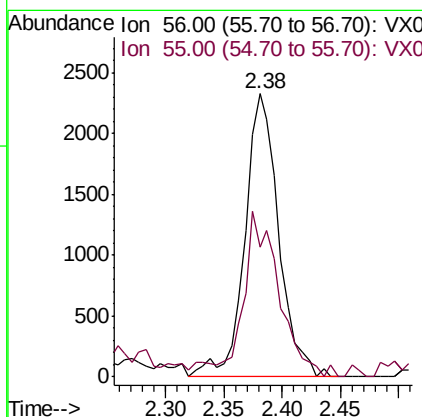
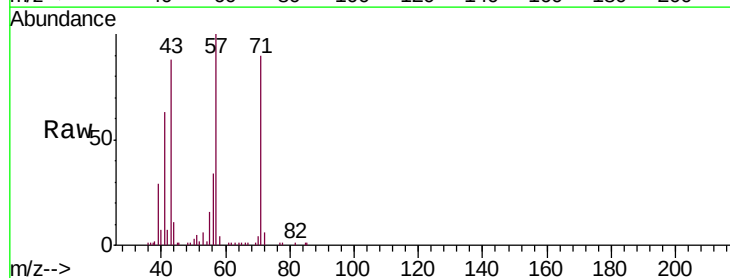
Instrument :
MSVOA_X
ClientSampled :
K4830-11MS

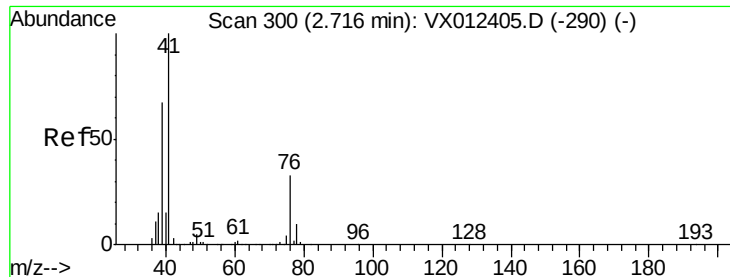
Tgt Ion: 59 Resp: 622
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 18.632 ug/l
RT: 2.38 min Scan# 245
Delta R.T. 0.10 min
Lab File: VX012423.D
Acq: 16 Sep 2019 22:12

Tgt Ion: 56 Resp: 4702
Ion Ratio Lower Upper
56 100
55 60.4 56.1 84.1

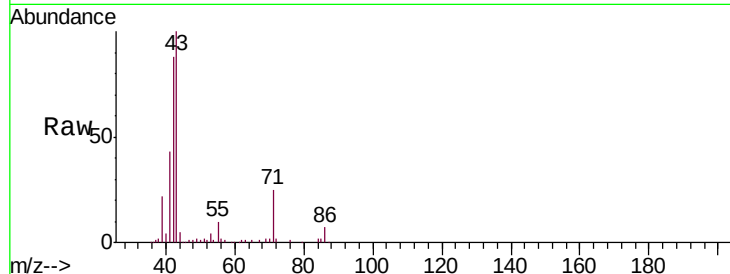




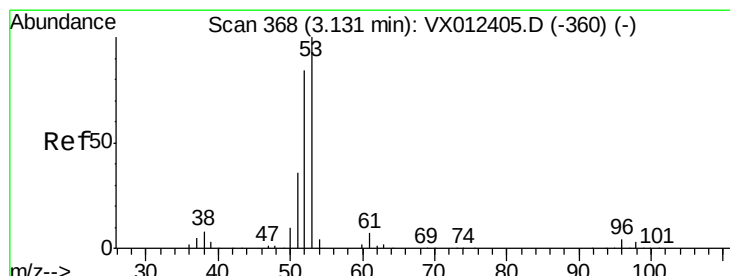
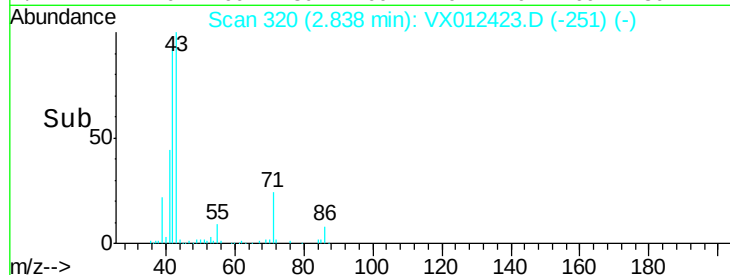
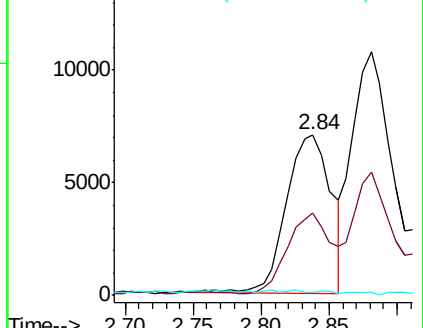
#14
 Allyl chloride
 Concen: 7.098 ug/l
 RT: 2.84 min Scan# 320
 Delta R.T. 0.12 min
 Lab File: VX012423.D
 Acq: 16 Sep 2019 22:12

Instrument :
 MSVOA_X
 ClientSampled :
 K4830-11MS

Tgt Ion: 41 Resp: 16180
 Ion Ratio Lower Upper
 41 100
 39 48.3 51.1 76.7#
 76 0.0 23.4 35.2#

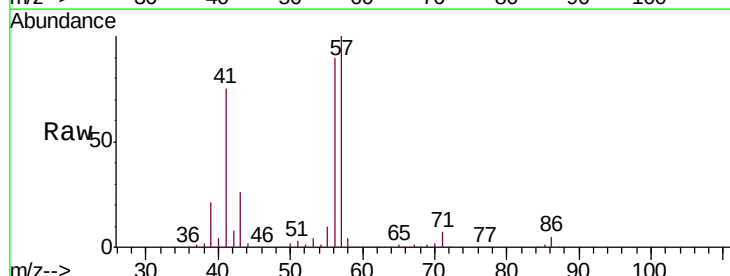


Abundance Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0
 Ion 75.90 (75.60 to 76.60): VX0

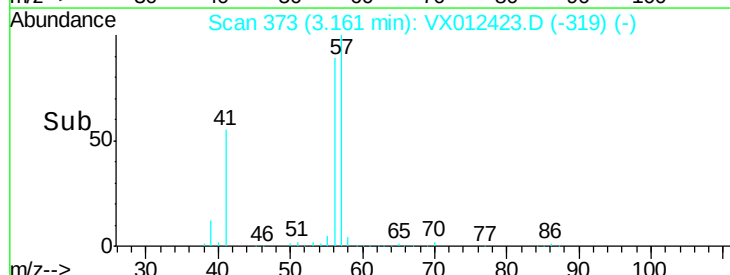
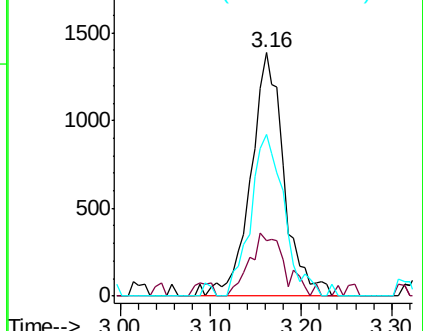


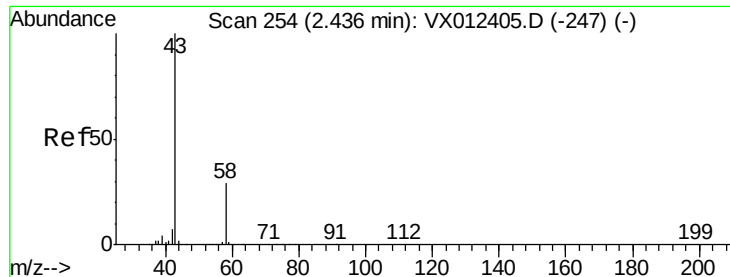
#15
 Acrylonitrile
 Concen: 3.637 ug/l
 RT: 3.16 min Scan# 373
 Delta R.T. 0.03 min
 Lab File: VX012423.D
 Acq: 16 Sep 2019 22:12

Tgt Ion: 53 Resp: 3523
 Ion Ratio Lower Upper
 53 100
 52 26.9 67.4 101.2#
 51 66.4 29.8 44.6#



Abundance Ion 53.00 (52.70 to 53.70): VX0
 Ion 52.00 (51.70 to 52.70): VX0
 Ion 51.00 (50.70 to 51.70): VX0

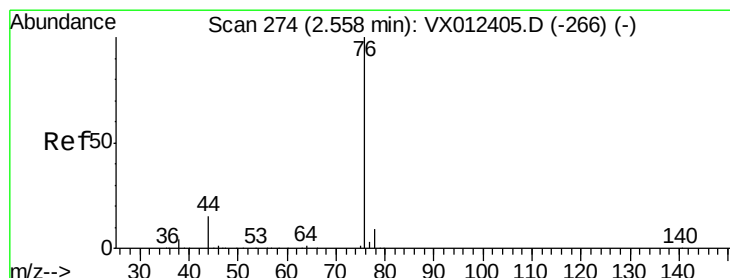
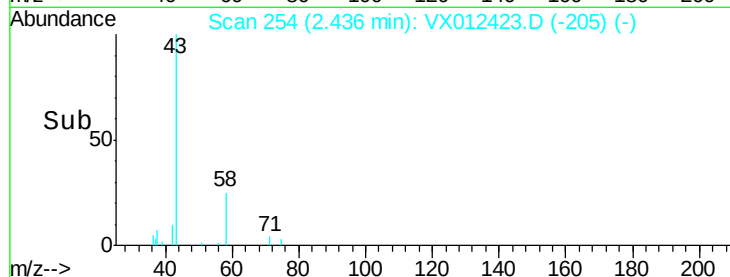
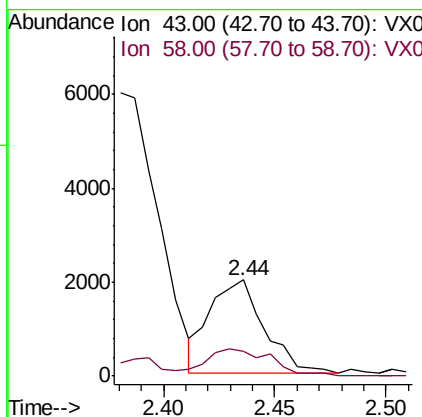
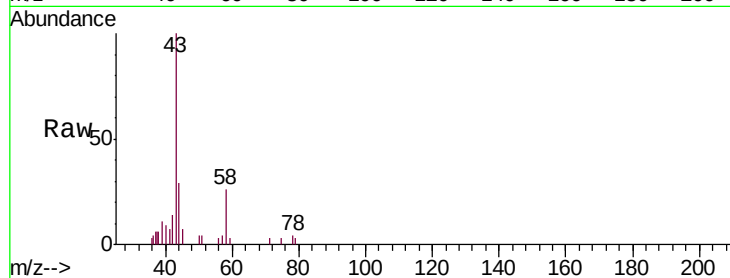




#16
Acetone
Concen: 3.226 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX012423.D
Acq: 16 Sep 2019 22:12

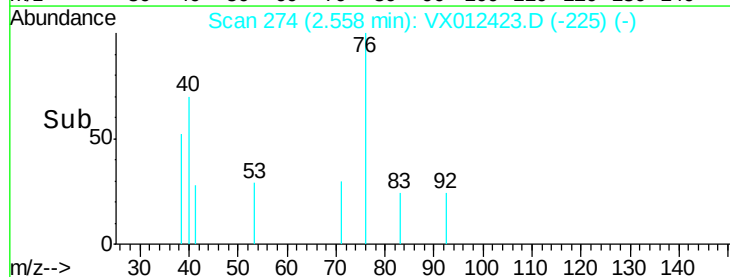
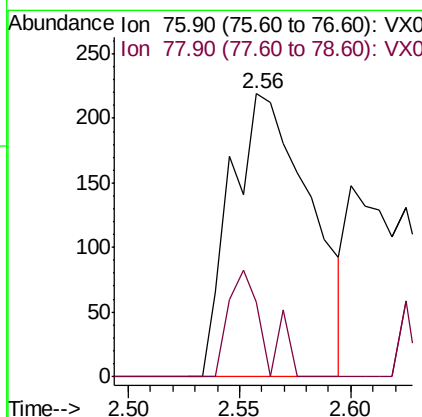
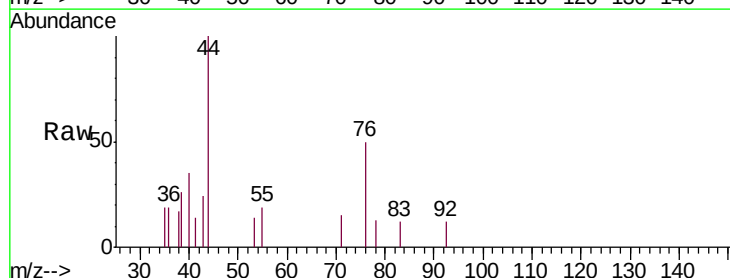
Instrument :
MSVOA_X
ClientSampled :
K4830-11MS

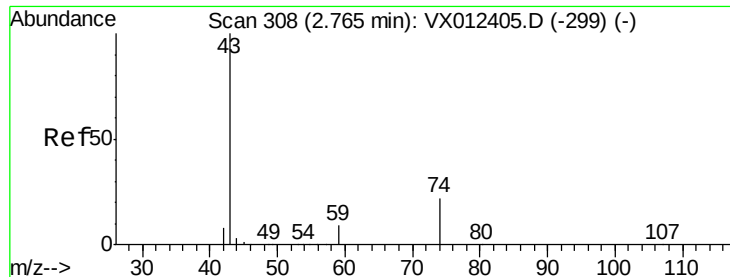
Tgt Ion: 43 Resp: 3363
Ion Ratio Lower Upper
43 100
58 27.0 23.5 35.3



#17
Carbon Disulfide
Concen: 1.867 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012423.D
Acq: 16 Sep 2019 22:12

Tgt Ion: 76 Resp: 543
Ion Ratio Lower Upper
76 100
78 26.5 7.1 10.7#

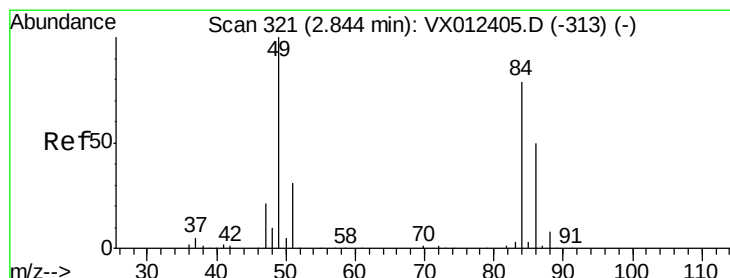
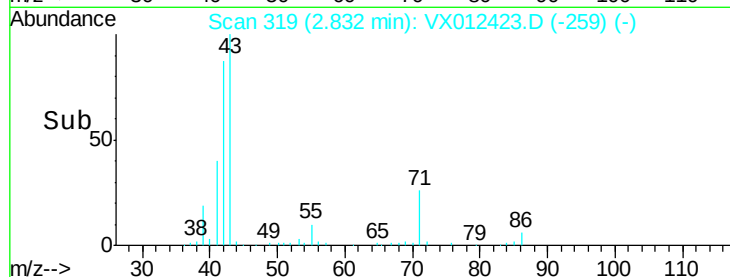
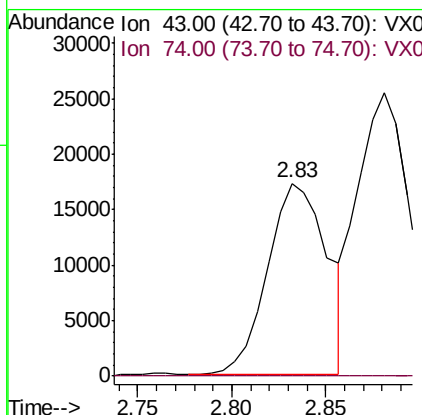
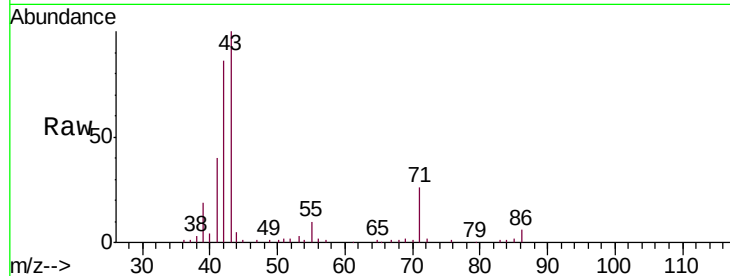




#18
Methyl Acetate
Concen: 16.281 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.07 min
Lab File: VX012423.D
Acq: 16 Sep 2019 22:12

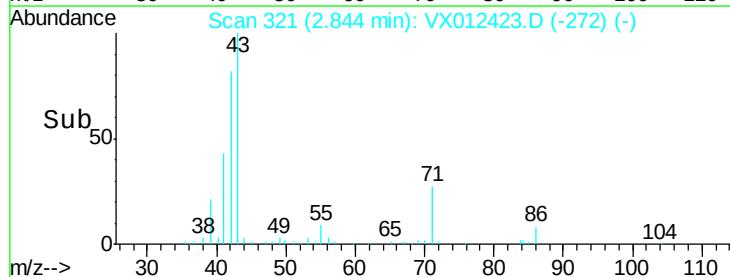
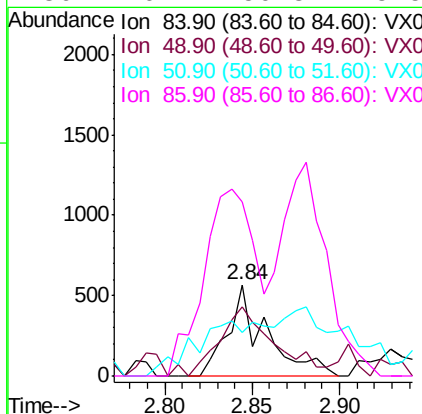
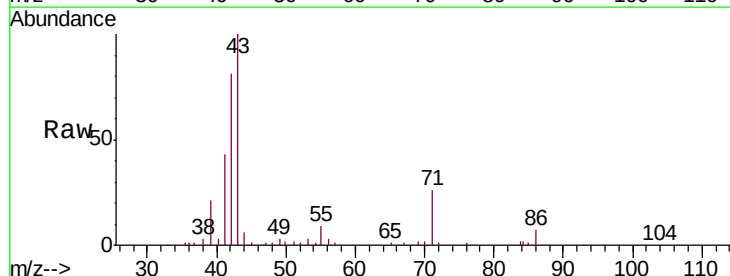
Instrument :
MSVOA_X
ClientSampled :
K4830-11MS

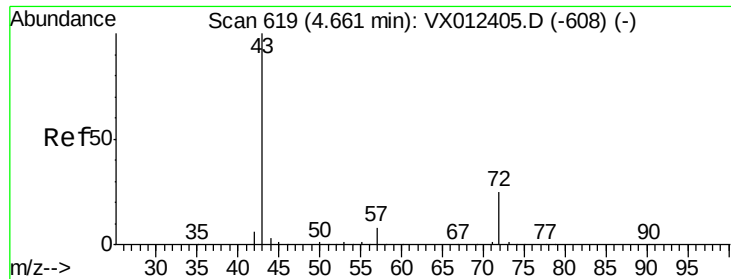
Tgt Ion: 43 Resp: 37793
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



#20
Methylene Chloride
Concen: 0.610 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012423.D
Acq: 16 Sep 2019 22:12

Tgt Ion: 84 Resp: 868
Ion Ratio Lower Upper
84 100
49 75.5 101.7 152.5#
51 6.9 31.2 46.8#
86 146.7 50.3 75.5#





#25

2-Butanone

Concen: 0.805 ug/l

RT: 4.69 min Scan# 624

Delta R.T. 0.03 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampled :

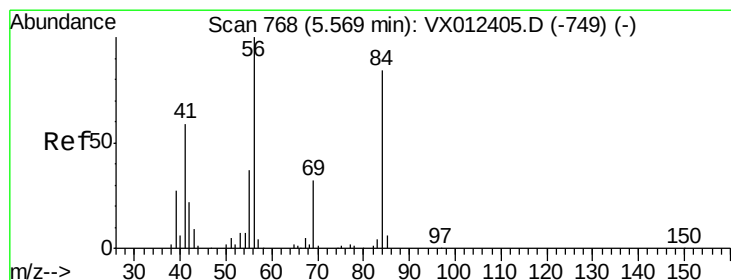
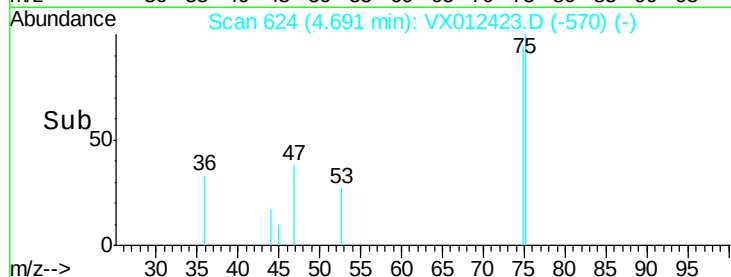
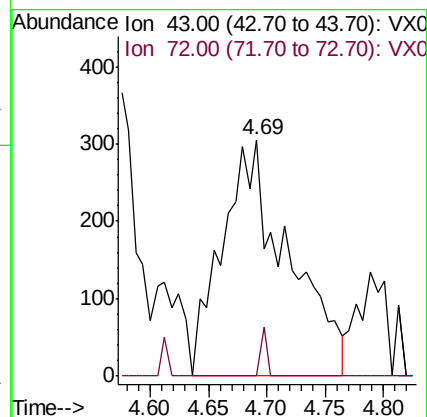
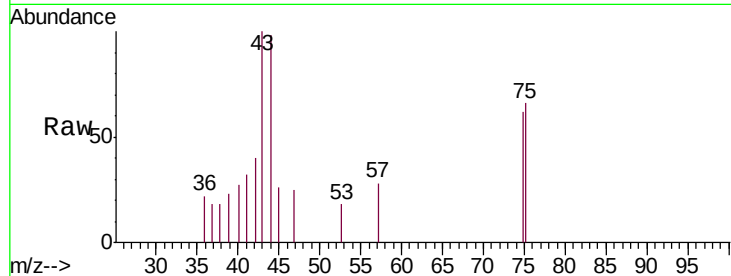
K4830-11MS

Tgt Ion: 43 Resp: 1195

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



#31

Cyclohexane

Concen: 48.536 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

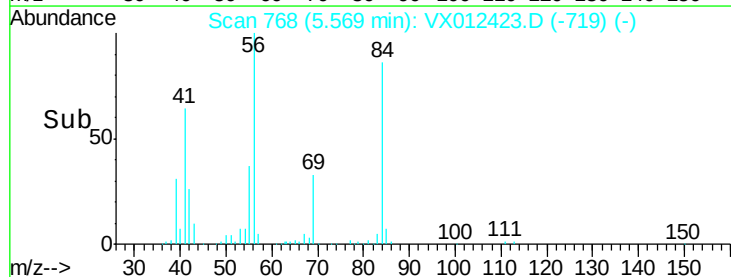
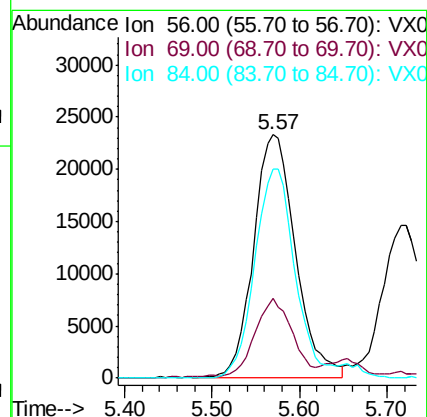
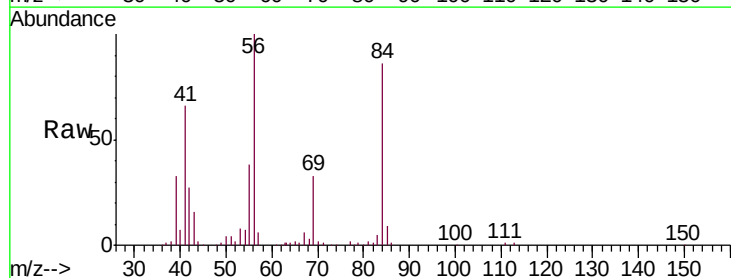
Tgt Ion: 56 Resp: 77397

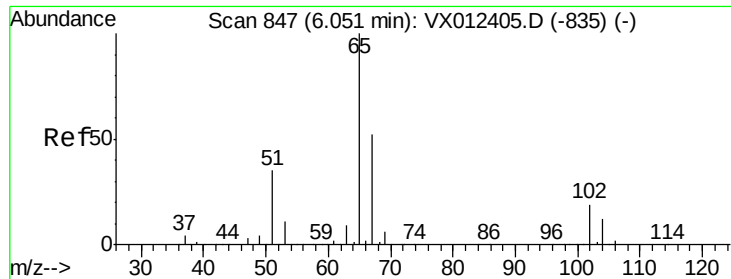
Ion Ratio Lower Upper

56 100

69 32.4 24.9 37.3

84 86.4 67.2 100.8

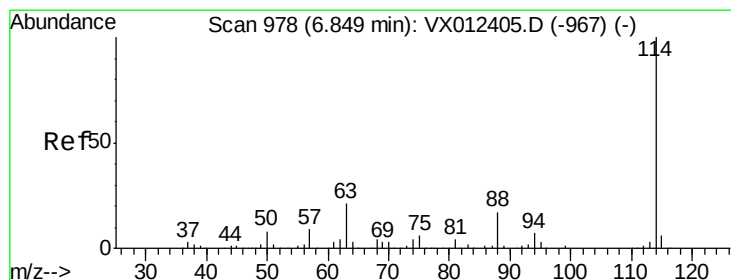
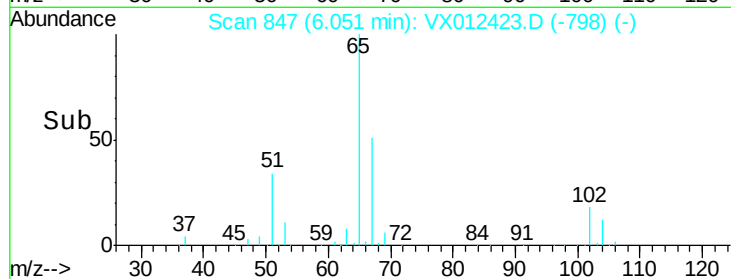
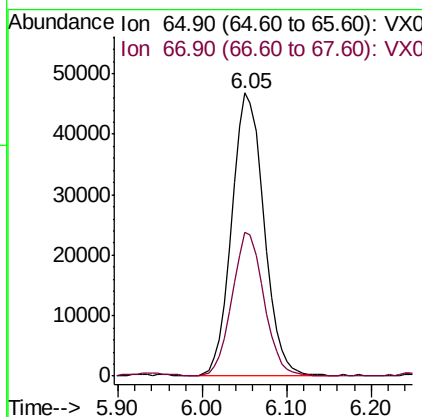
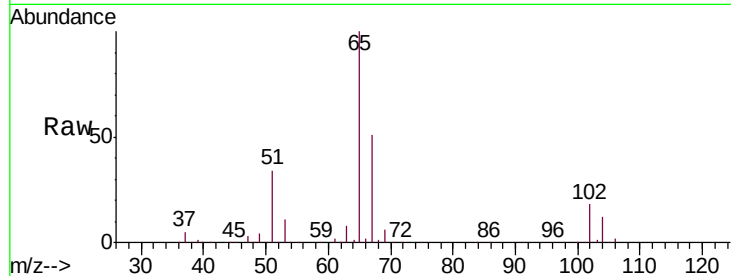




#33
 1,2-Dichloroethane-d4
 Concen: 52.215 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012423.D
 Acq: 16 Sep 2019 22:12

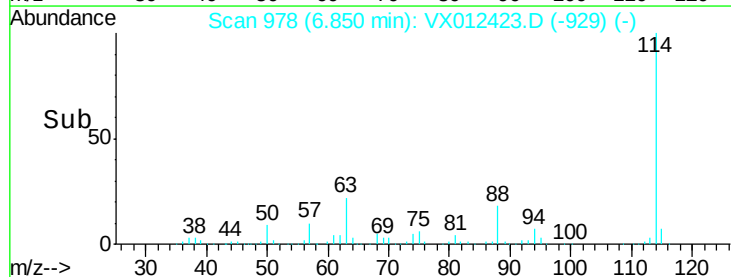
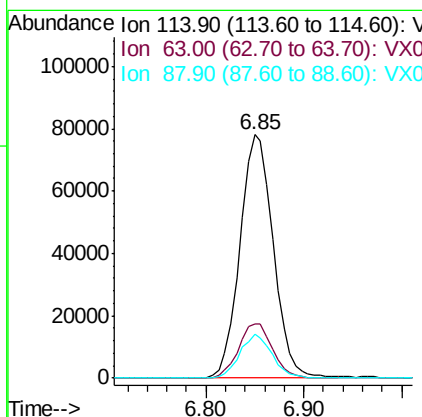
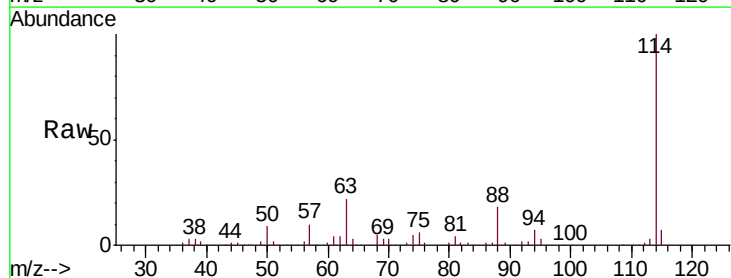
Instrument :
 MSVOA_X
 ClientSampleId :
 K4830-11MS

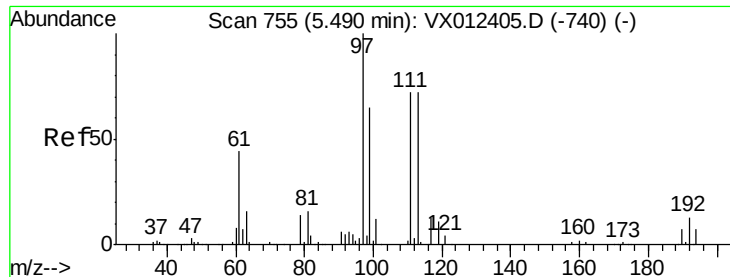
Tgt Ion: 65 Resp: 121193
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012423.D
 Acq: 16 Sep 2019 22:12

Tgt Ion: 114 Resp: 185068
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 42.4
 88 17.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.602 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

K4830-11MS

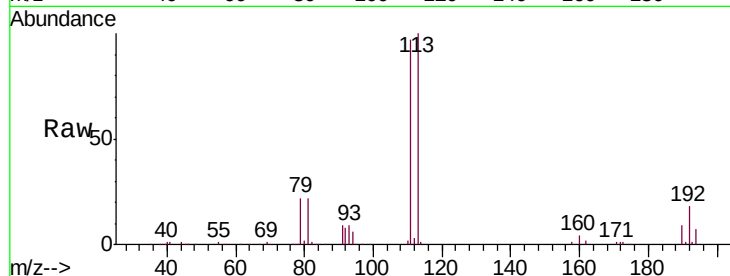
Tgt Ion:113 Resp: 85338

Ion Ratio Lower Upper

113 100

111 100.6 81.8 122.6

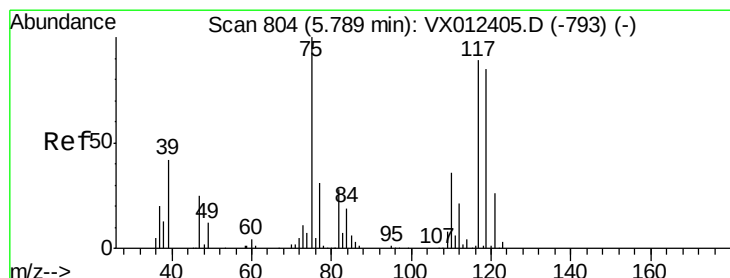
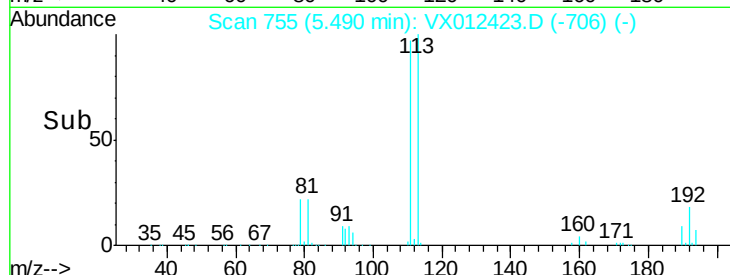
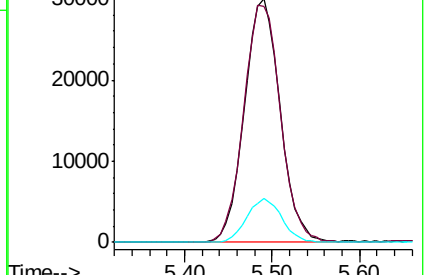
192 17.7 15.0 22.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.968 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

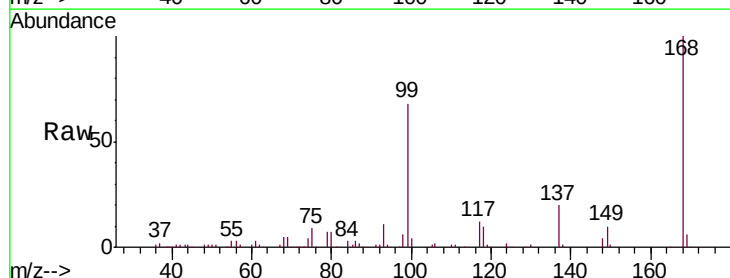
Tgt Ion: 75 Resp: 10207

Ion Ratio Lower Upper

75 100

110 5.1 17.4 52.2#

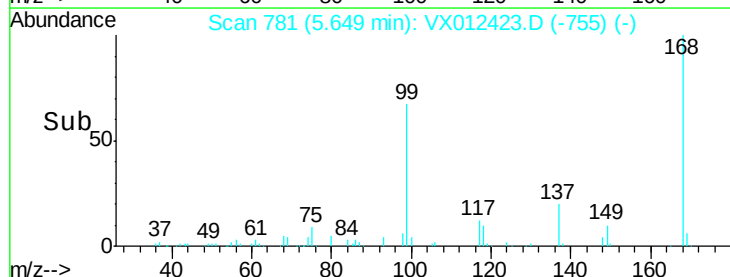
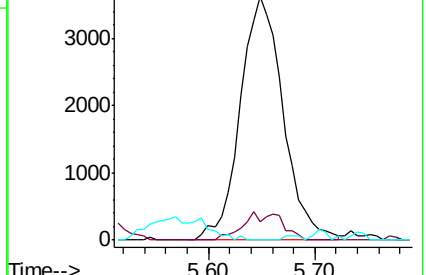
77 0.0 24.8 37.2#

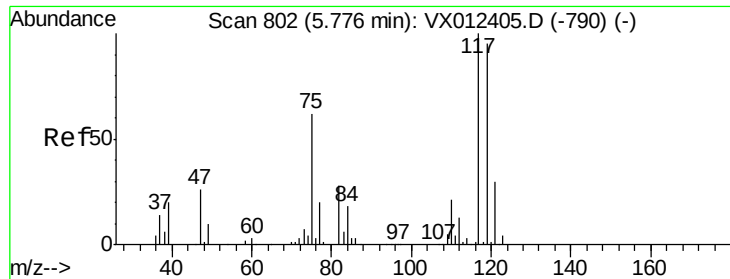


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.251 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

K4830-11MS

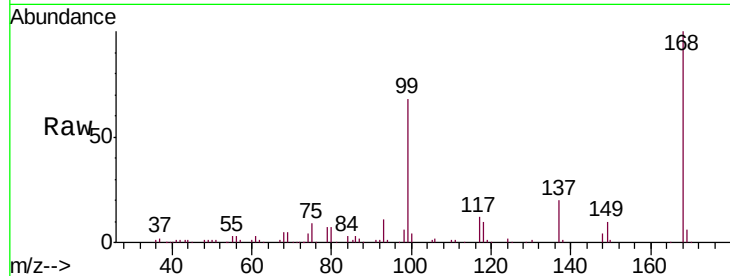
Tgt Ion:117 Resp: 13046

Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.8#

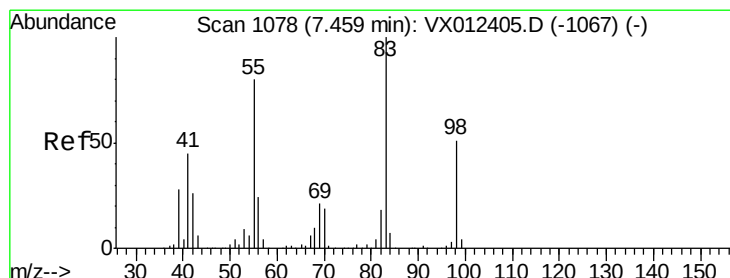
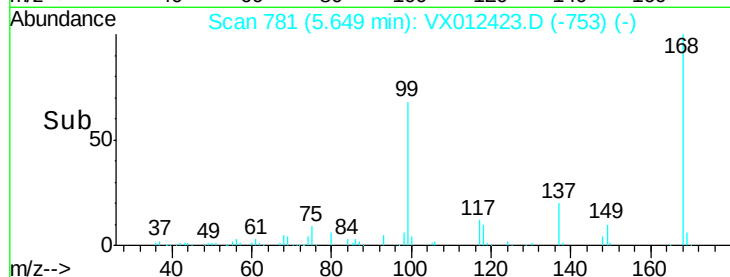
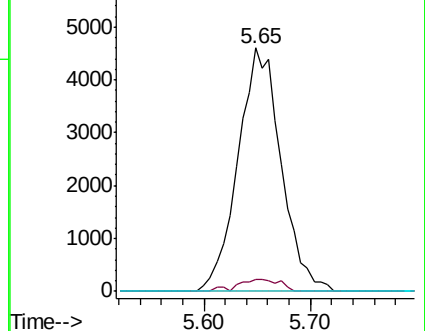
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 101.540 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

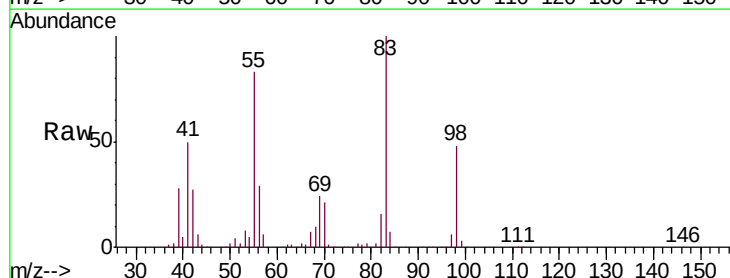
Tgt Ion: 83 Resp: 166800

Ion Ratio Lower Upper

83 100

55 82.5 63.8 95.6

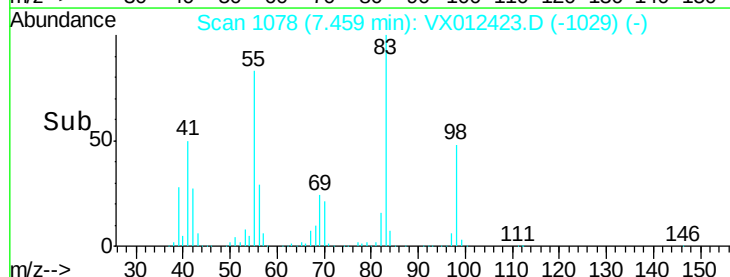
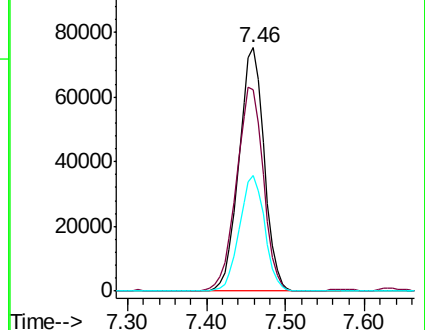
98 47.6 40.6 61.0

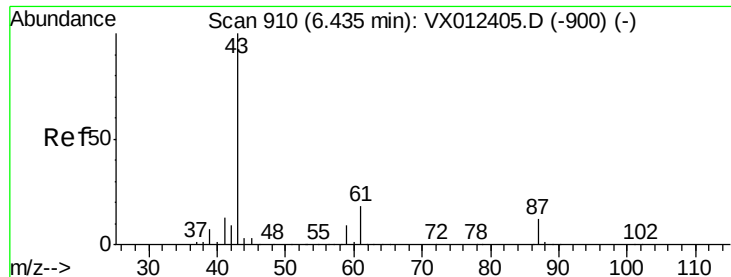


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#43

Isopropyl Acetate

Concen: 0.579 ug/l

RT: 6.45 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampled :

K4830-11MS

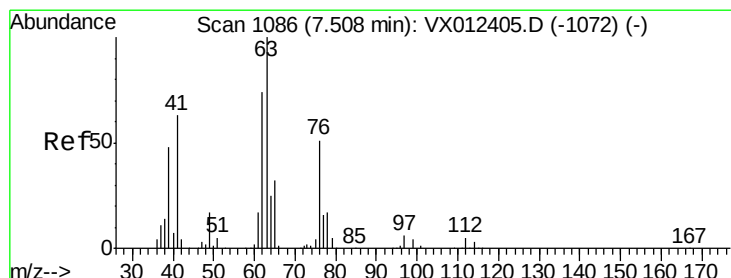
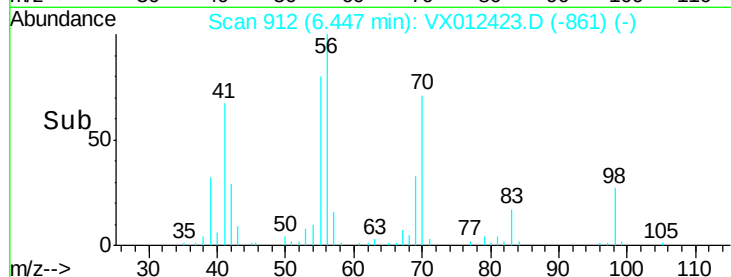
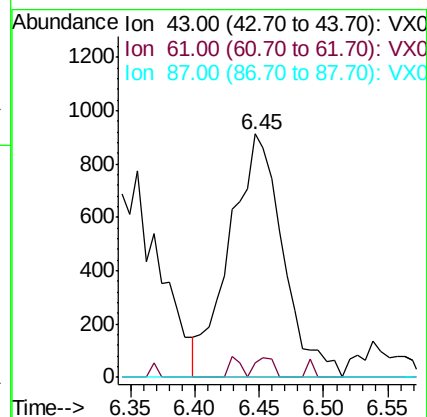
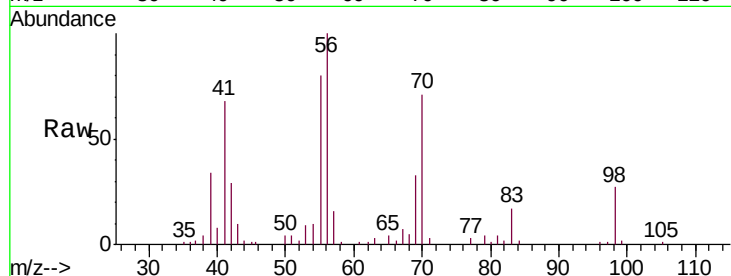
Tgt Ion: 43 Resp: 2618

Ion Ratio Lower Upper

43 100

61 2.8 15.5 23.3#

87 0.0 10.0 15.0#



#45

1,2-Dichloropropane

Concen: 1.390 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.05 min

Lab File: VX012423.D

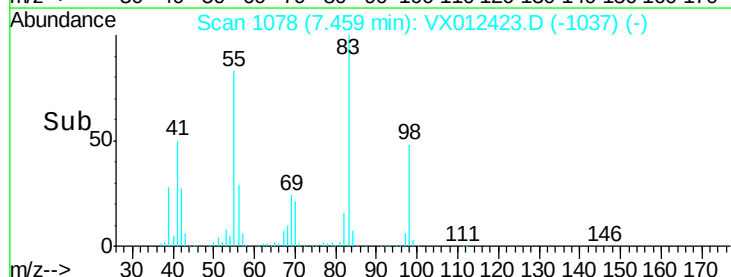
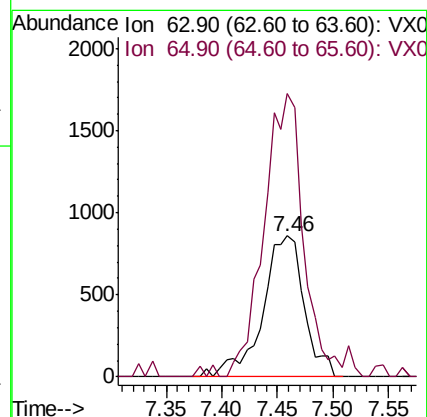
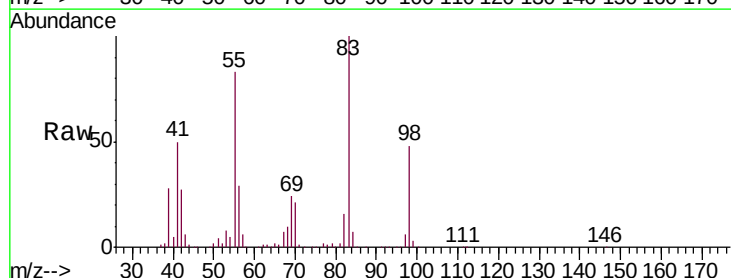
Acq: 16 Sep 2019 22:12

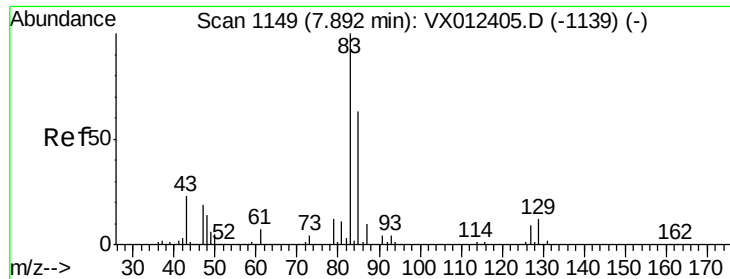
Tgt Ion: 63 Resp: 2238

Ion Ratio Lower Upper

63 100

65 200.7 25.6 38.4#





#47

Bromodichloromethane

Concen: 0.619 ug/l

RT: 7.84 min Scan# 1141

Delta R.T. -0.05 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

K4830-11MS

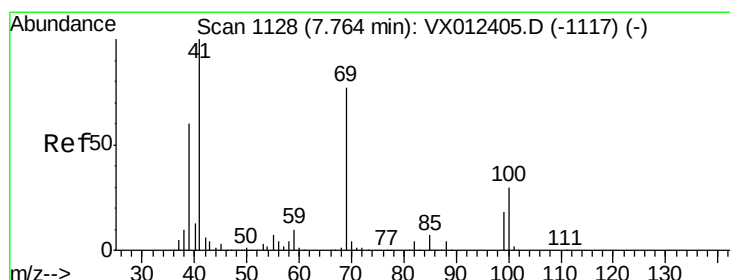
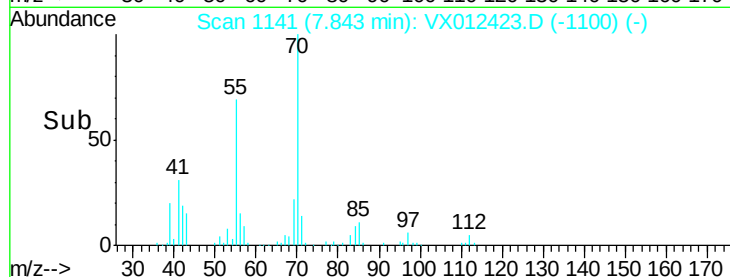
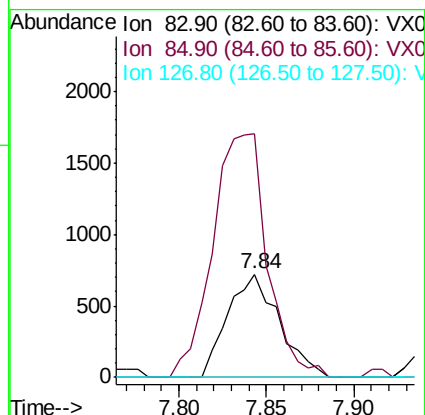
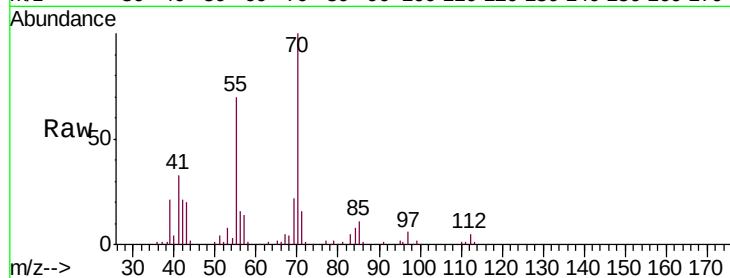
Tgt Ion: 83 Resp: 1484

Ion Ratio Lower Upper

83 100

85 236.0 50.2 75.4#

127 0.0 6.9 10.3#



#48

Methyl methacrylate

Concen: 6.217 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.04 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

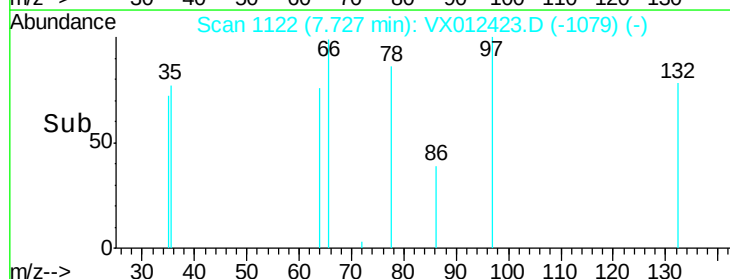
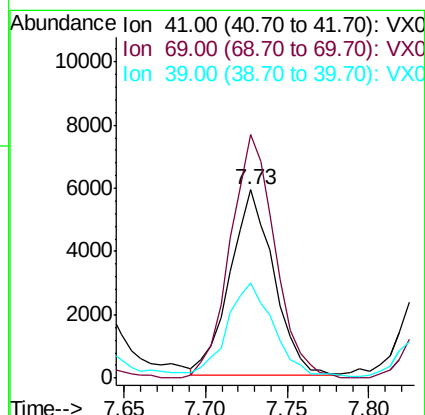
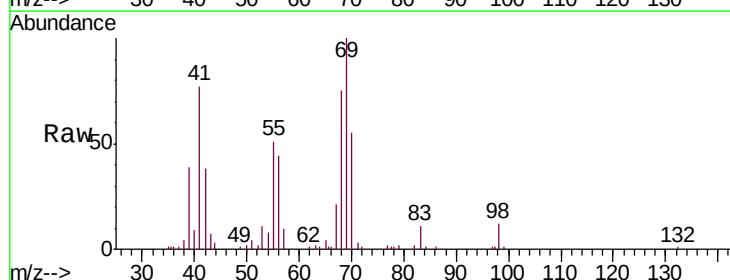
Tgt Ion: 41 Resp: 11003

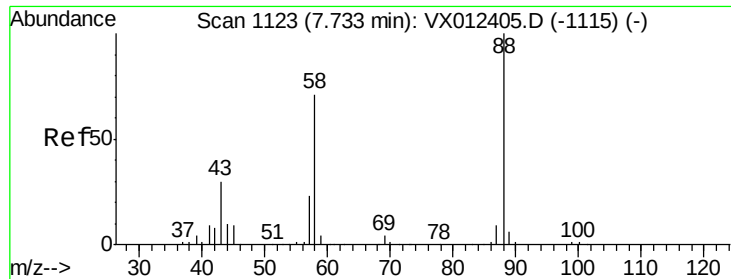
Ion Ratio Lower Upper

41 100

69 133.8 61.6 92.4#

39 52.4 47.6 71.4

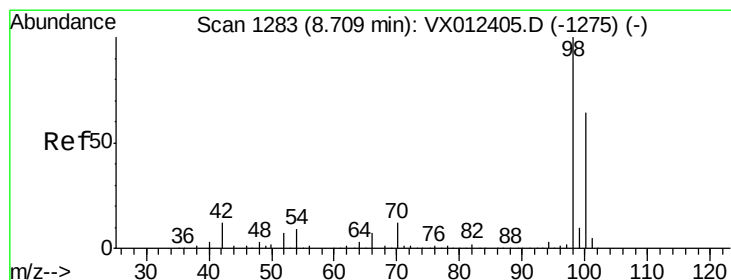
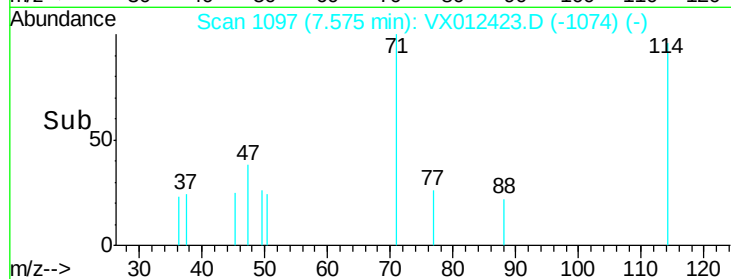
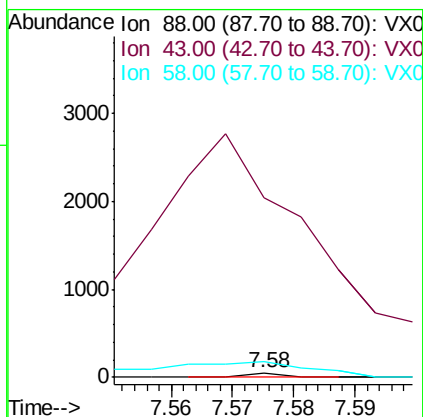
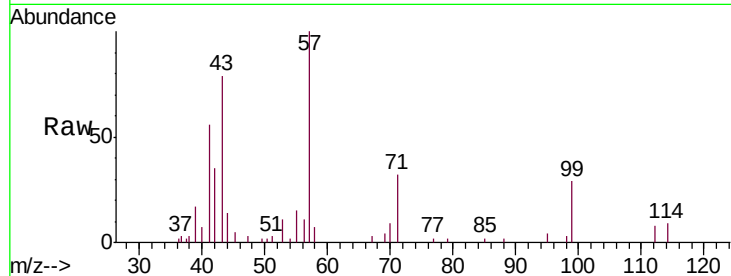




#49
1,4-Dioxane
Concen: 0.369 ug/l
RT: 7.58 min Scan# 1097
Delta R.T. -0.16 min
Lab File: VX012423.D
Acq: 16 Sep 2019 22:12

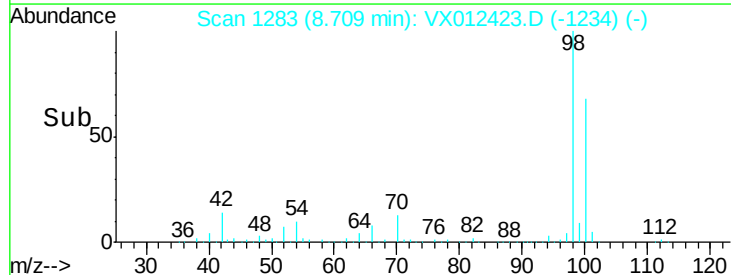
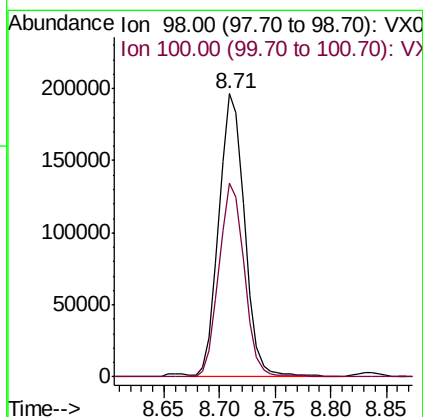
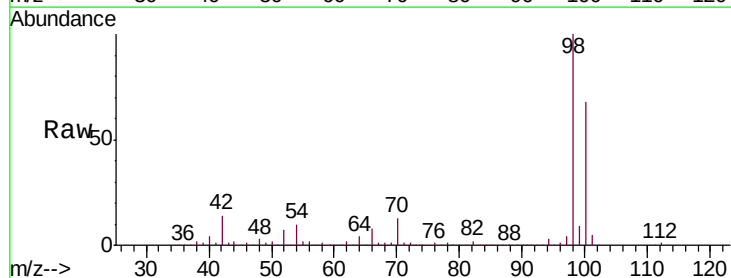
Instrument :
MSVOA_X
ClientSampled :
K4830-11MS

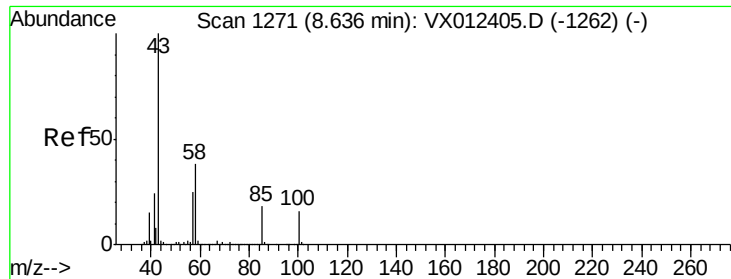
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 27689.5 26.6 39.8#
58 1968.4 57.1 85.7#



#50
Toluene-d8
Concen: 48.948 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012423.D
Acq: 16 Sep 2019 22:12

Tgt Ion: 98 Resp: 311390
Ion Ratio Lower Upper
98 100
100 68.9 54.4 81.6

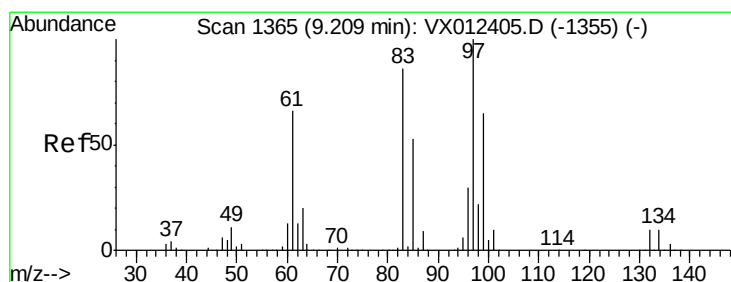
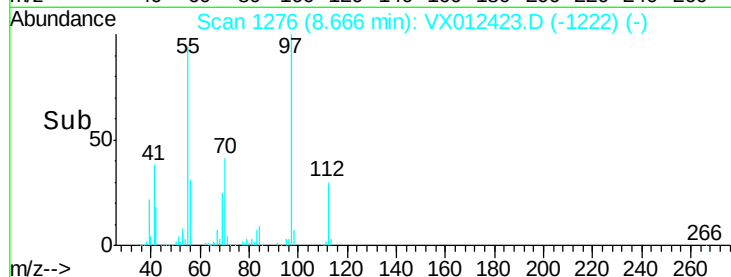
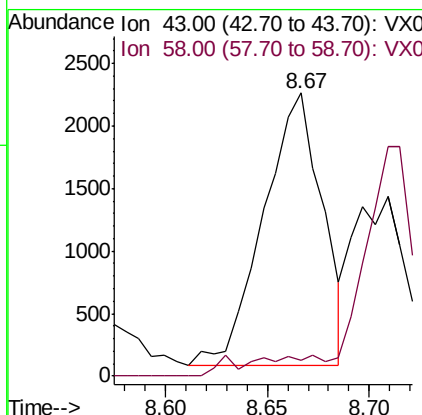
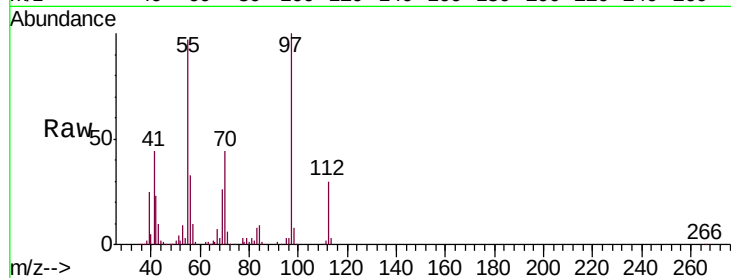




#51
 4-Methyl-2-Pentanone
 Concen: 1.491 ug/l
 RT: 8.67 min Scan# 1276
 Delta R.T. 0.03 min
 Lab File: VX012423.D
 Acq: 16 Sep 2019 22:12

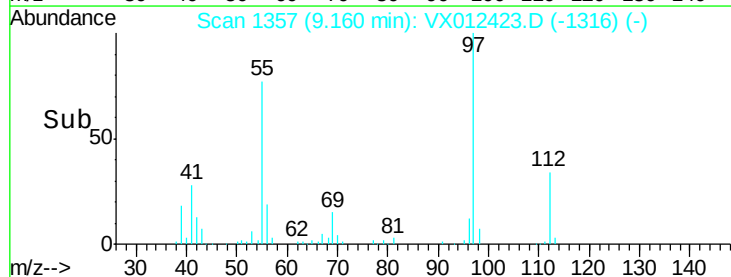
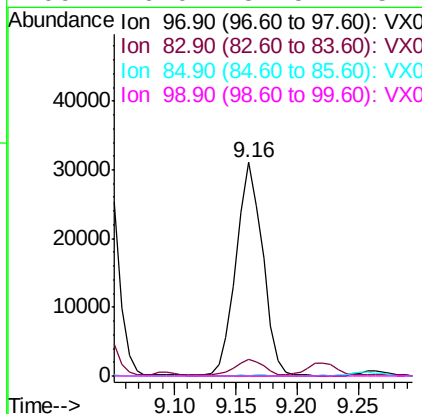
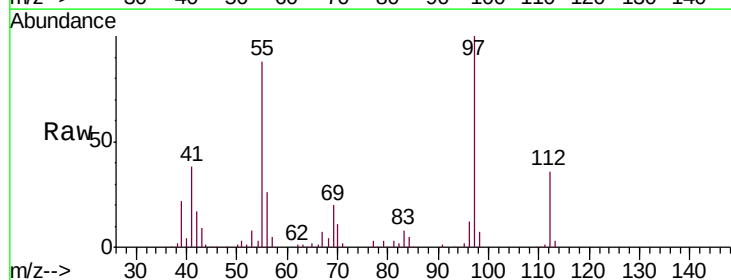
Instrument :
 MSVOA_X
 ClientSampleId :
 K4830-11MS

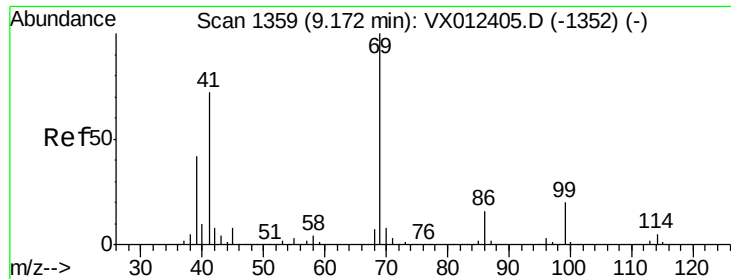
Tgt Ion: 43 Resp: 4364
 Ion Ratio Lower Upper
 43 100
 58 3.3 30.2 45.4#



#55
 1,1,2-Trichloroethane
 Concen: 26.065 ug/l
 RT: 9.16 min Scan# 1357
 Delta R.T. -0.05 min
 Lab File: VX012423.D
 Acq: 16 Sep 2019 22:12

Tgt Ion: 97 Resp: 46983
 Ion Ratio Lower Upper
 97 100
 83 7.5 68.5 102.7#
 85 0.3 42.6 64.0#
 99 0.0 52.5 78.7#





#56

Ethyl methacrylate

Concen: 3.833 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampled :

K4830-11MS

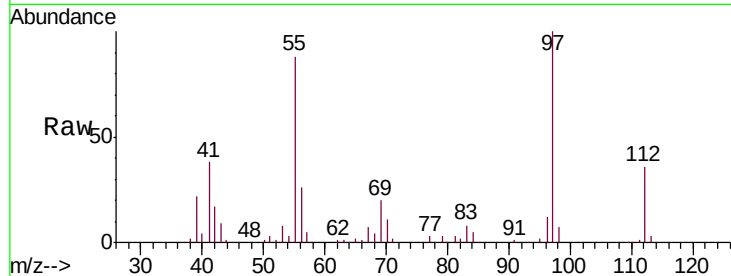
Tgt Ion: 69 Resp: 10395

Ion Ratio Lower Upper

69 100

41 181.9 57.0 85.6#

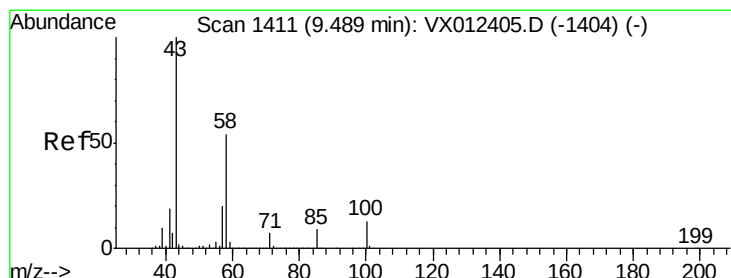
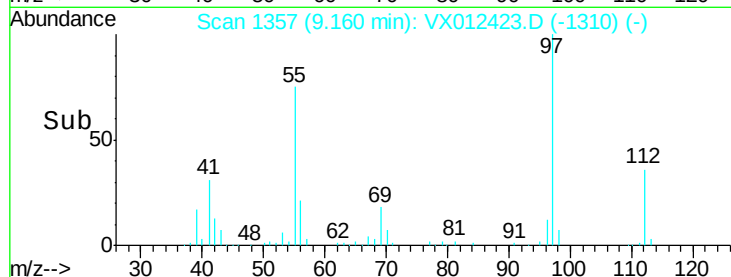
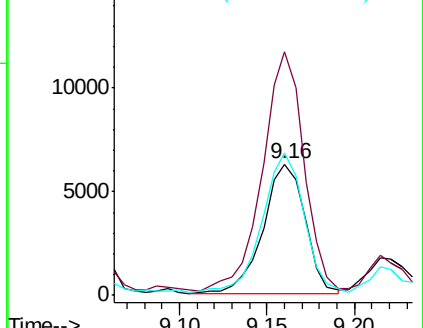
39 106.1 32.6 49.0#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 3.680 ug/l

RT: 9.44 min Scan# 1403

Delta R.T. -0.05 min

Lab File: VX012423.D

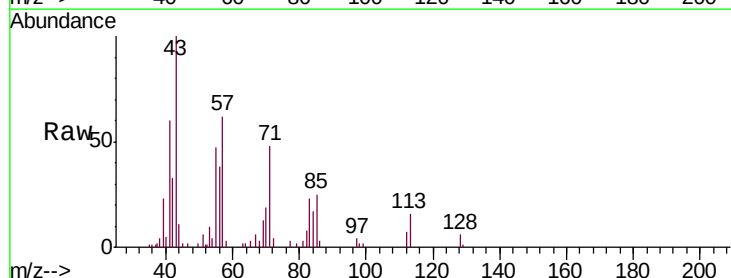
Acq: 16 Sep 2019 22:12

Tgt Ion: 43 Resp: 8305

Ion Ratio Lower Upper

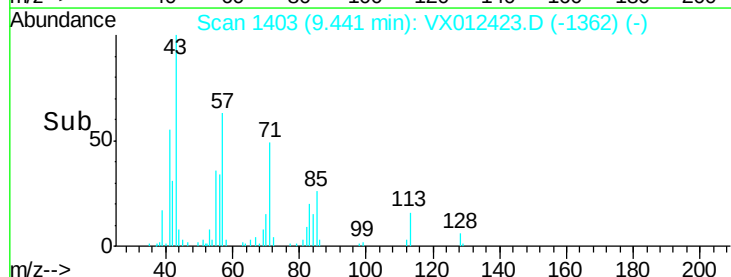
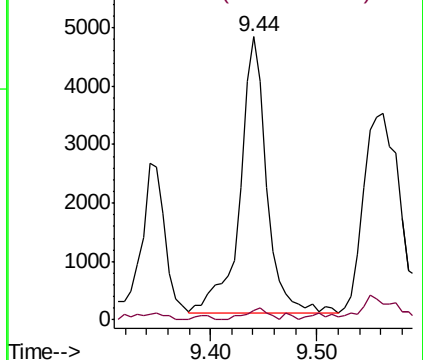
43 100

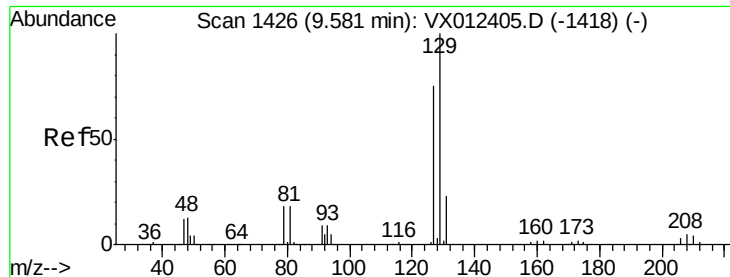
58 3.5 26.4 79.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 1.754 ug/l

RT: 9.44 min Scan# 1403

Delta R.T. -0.14 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

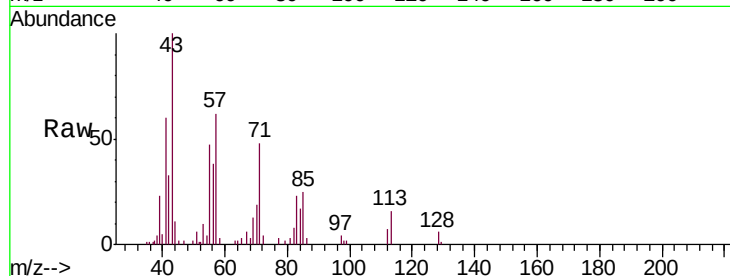
K4830-11MS

Tgt Ion:129 Resp: 23

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.44

60

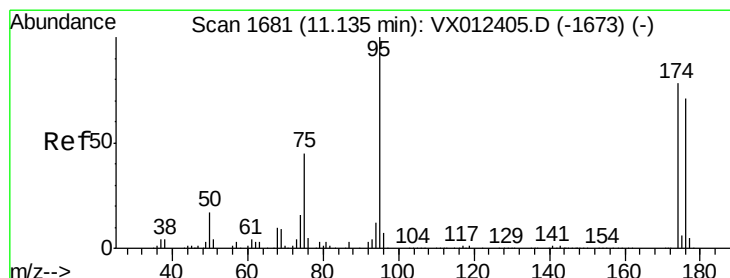
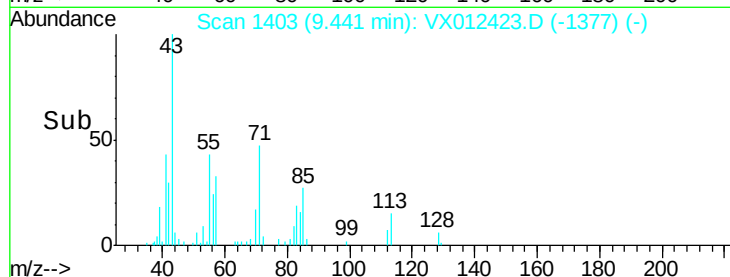
40

20

0

9.42 9.43 9.44 9.45 9.46

Time-->



#62

4-Bromofluorobenzene

Concen: 47.910 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

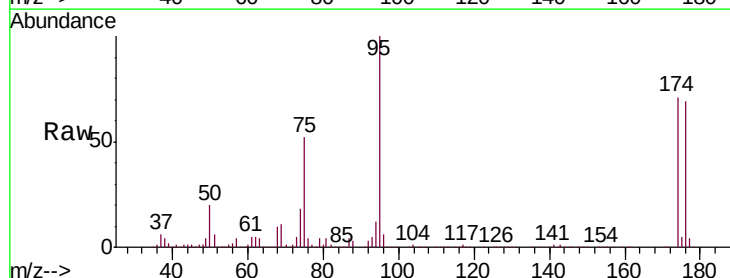
Tgt Ion: 95 Resp: 128230

Ion Ratio Lower Upper

95 100

174 68.4 0.0 146.0

176 66.0 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

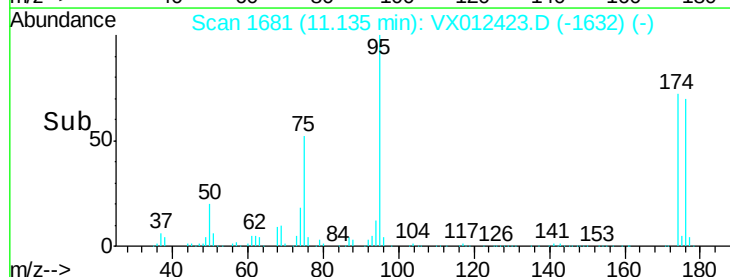
40000

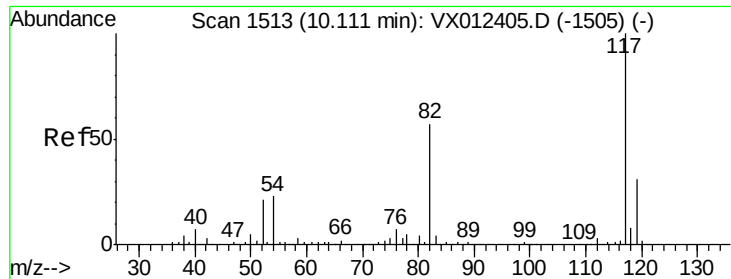
20000

0

11.05 11.10 11.15

Time-->

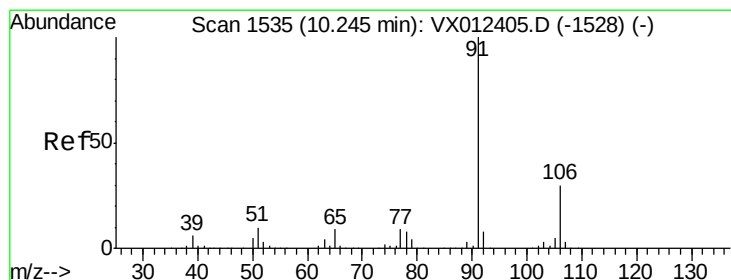
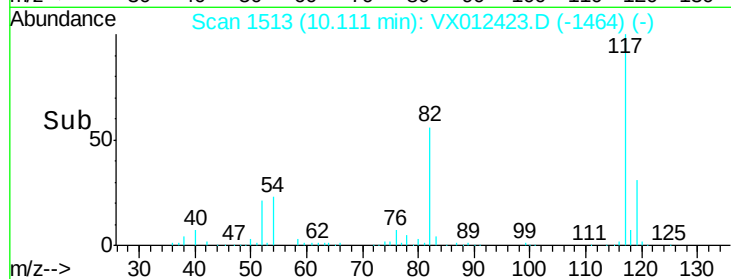
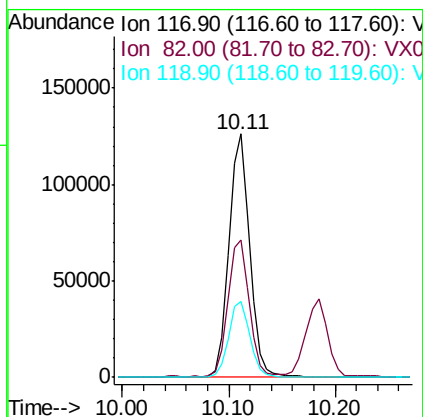
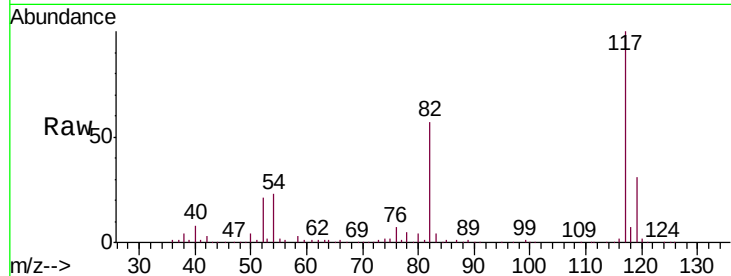




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012423.D
Acq: 16 Sep 2019 22:12

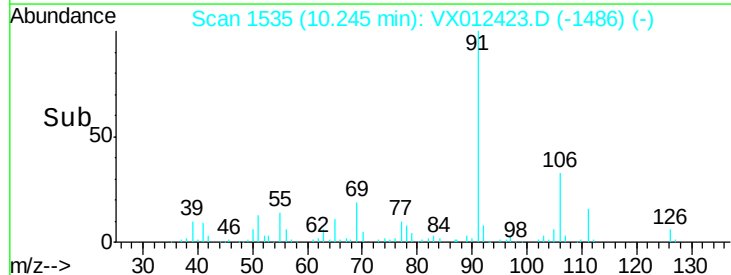
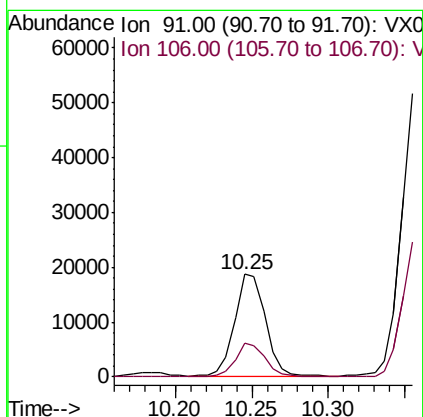
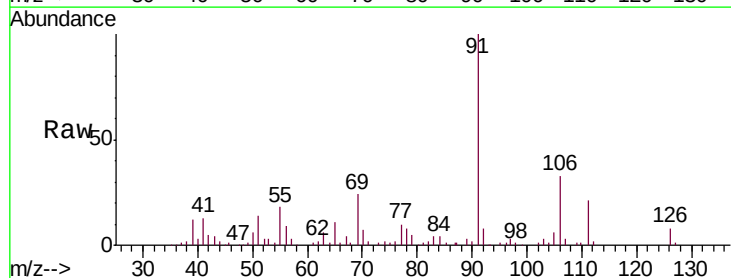
Instrument :
MSVOA_X
ClientSampleId :
K4830-11MS

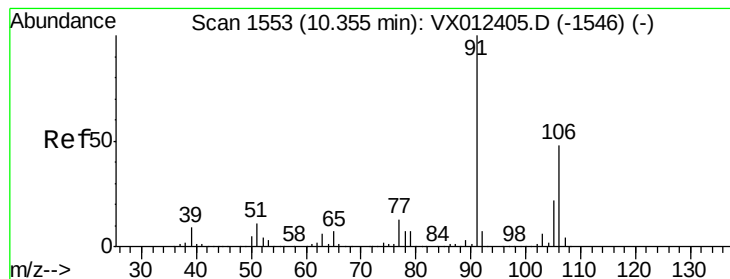
Tgt Ion: 117 Resp: 173125
Ion Ratio Lower Upper
117 100
82 56.3 45.8 68.6
119 31.4 24.9 37.3



#67
Ethyl Benzene
Concen: 3.726 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012423.D
Acq: 16 Sep 2019 22:12

Tgt Ion: 91 Resp: 25701
Ion Ratio Lower Upper
91 100
106 33.3 24.0 36.0





#68

m/p-Xylenes

Concen: 12.799 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

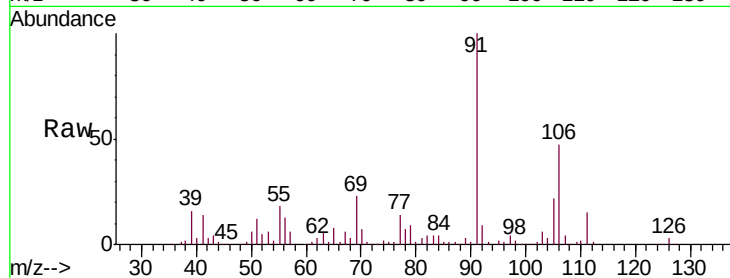
K4830-11MS

Tgt Ion:106 Resp: 32590

Ion Ratio Lower Upper

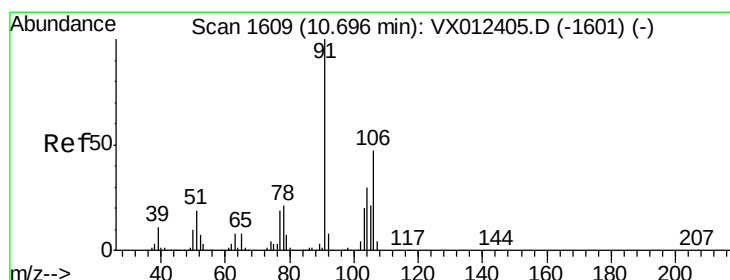
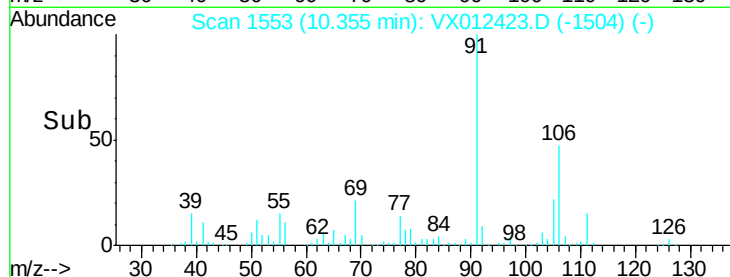
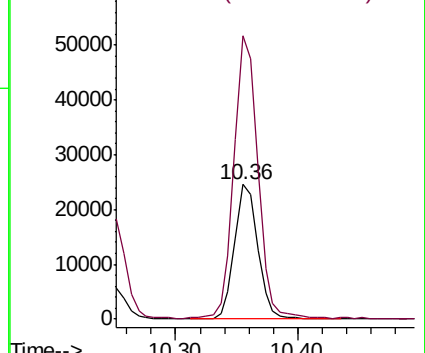
106 100

91 212.1 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 1.878 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX012423.D

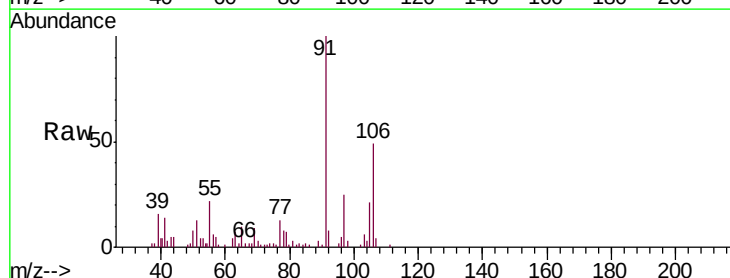
Acq: 16 Sep 2019 22:12

Tgt Ion:106 Resp: 4958

Ion Ratio Lower Upper

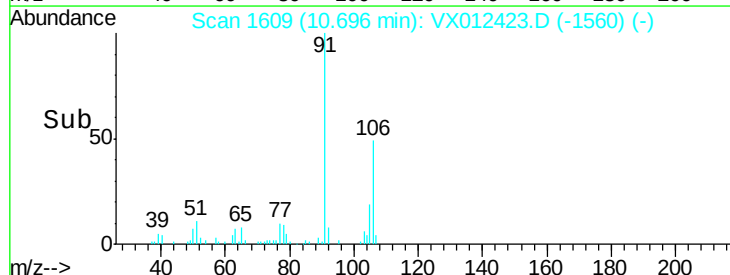
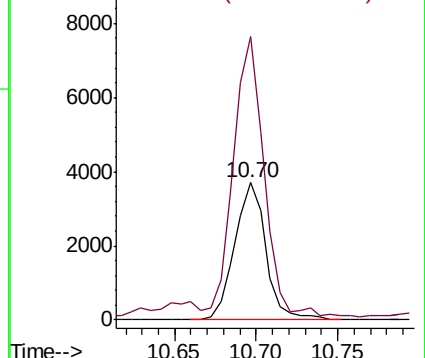
106 100

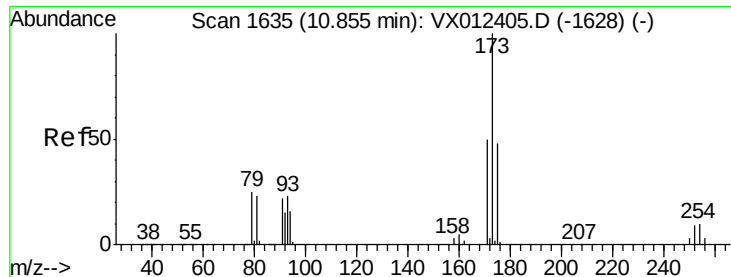
91 202.4 107.8 323.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

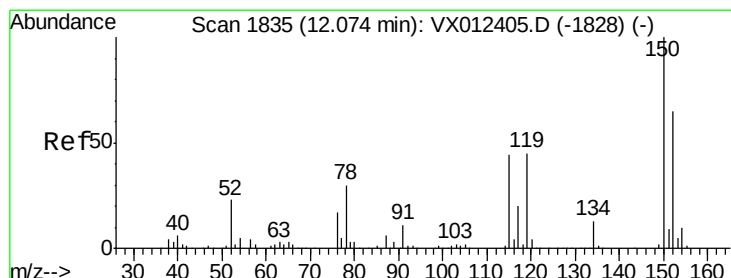
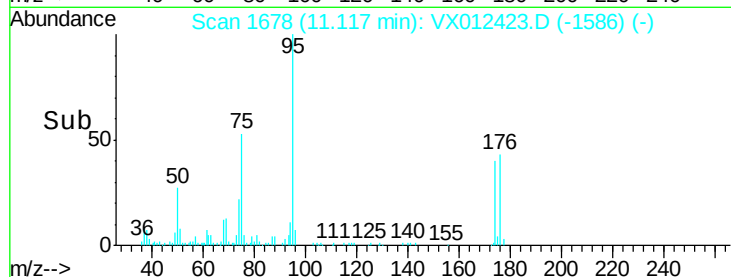
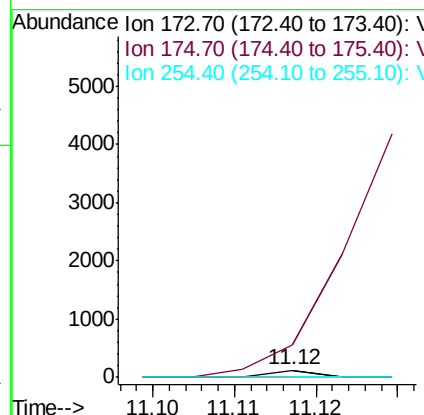
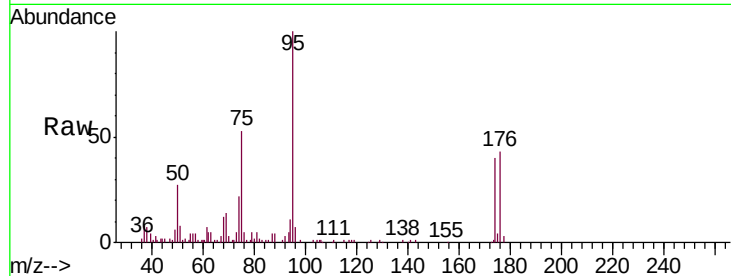




#71
Bromoform
Concen: 2.092 ug/l
RT: 11.12 min Scan# 1678
Delta R.T. 0.26 min
Lab File: VX012423.D
Acq: 16 Sep 2019 22:12

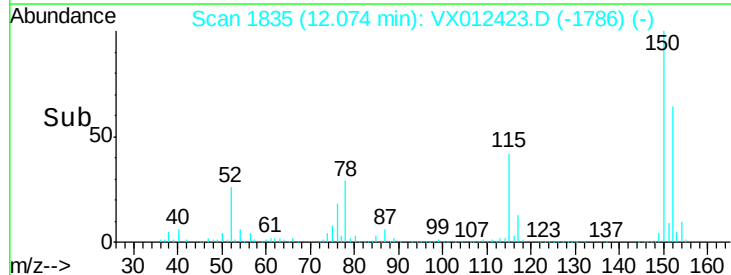
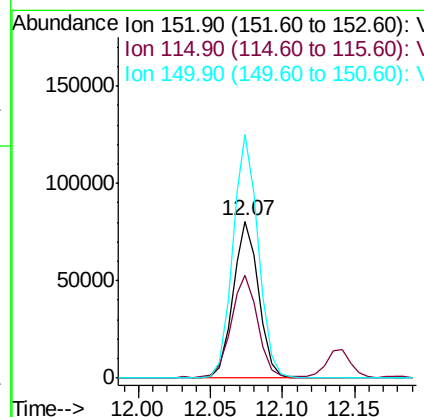
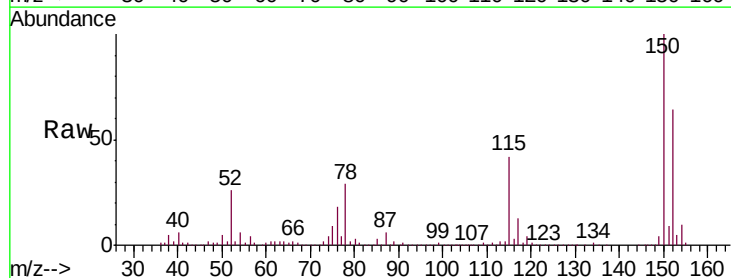
Instrument :
MSVOA_X
ClientSampled :
K4830-11MS

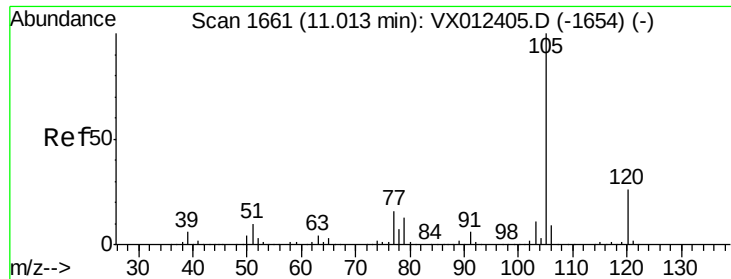
Tgt Ion:173 Resp: 45
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012423.D
Acq: 16 Sep 2019 22:12

Tgt Ion:152 Resp: 99785
Ion Ratio Lower Upper
152 100
115 69.5 45.3 135.9
150 154.8 0.0 354.0





#73

Isopropylbenzene

Concen: 84.218 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampled :

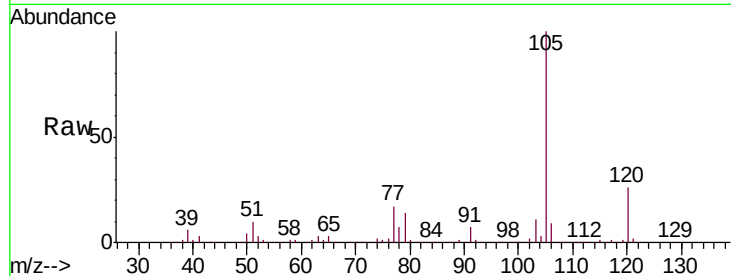
K4830-11MS

Tgt Ion: 105 Resp: 583847

Ion Ratio Lower Upper

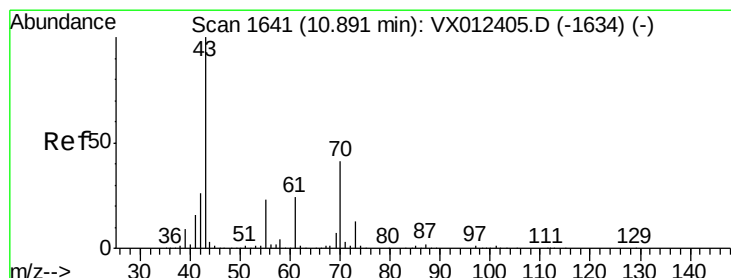
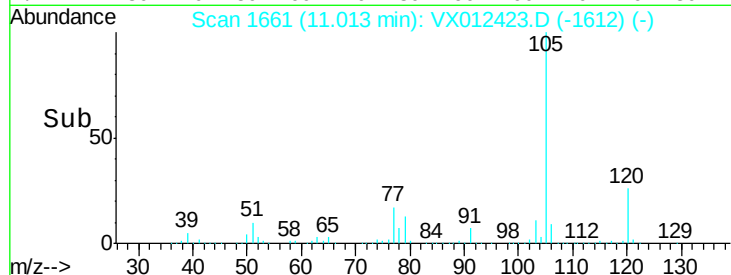
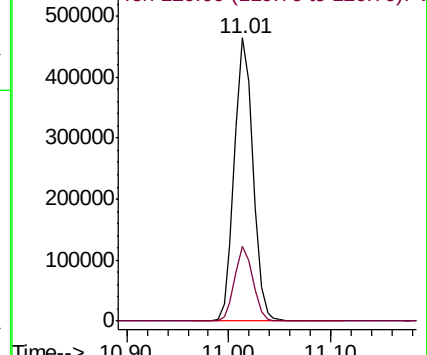
105 100

120 25.9 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.392 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Tgt Ion: 43 Resp: 1440

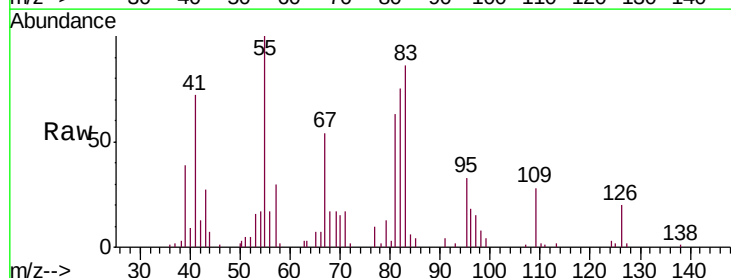
Ion Ratio Lower Upper

43 100

70 92.5 32.7 49.1#

55 628.2 18.9 28.3#

61 0.0 19.0 28.4#

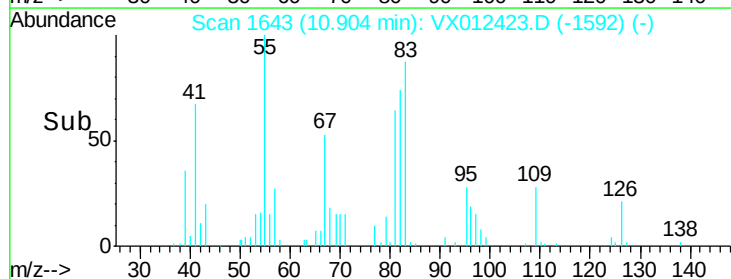
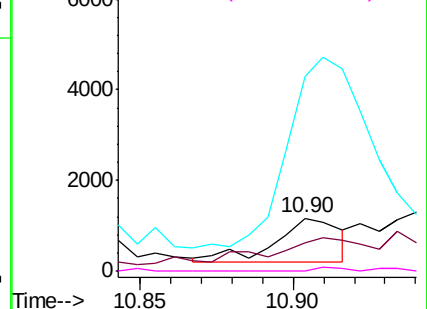


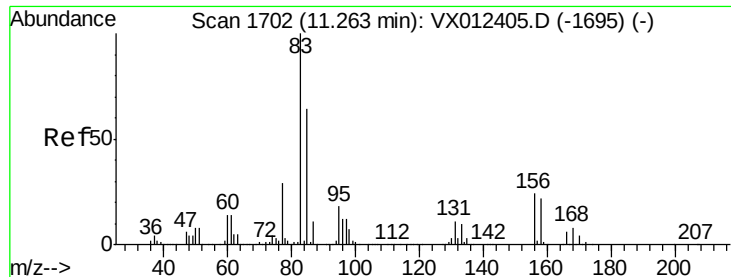
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.214 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

K4830-11MS

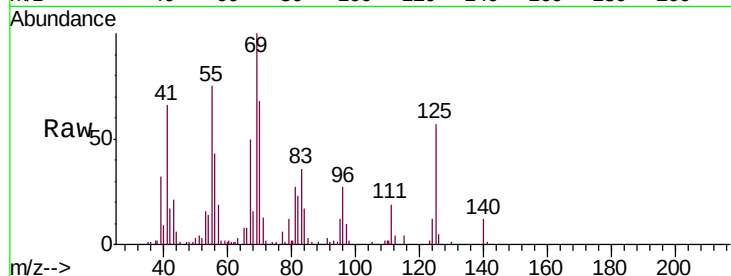
Tgt Ion: 83 Resp: 3375

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

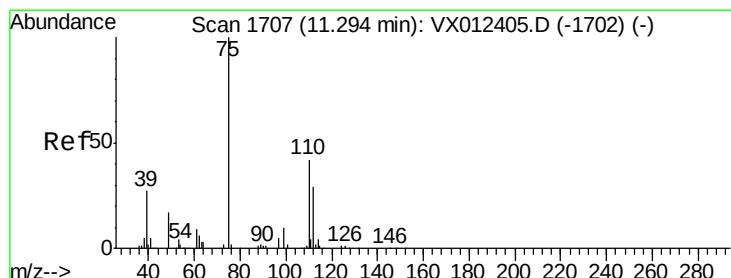
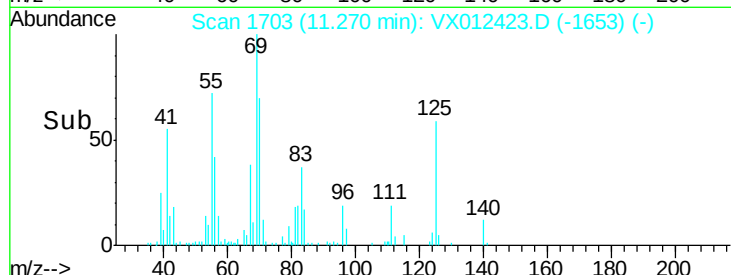
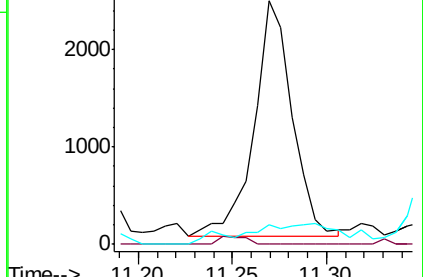
85 0.0 32.9 98.7#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 1.886 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.06 min

Lab File: VX012423.D

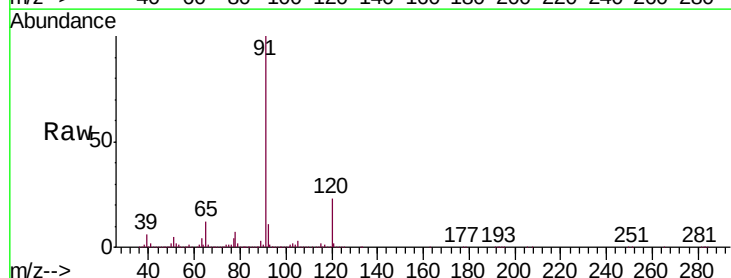
Acq: 16 Sep 2019 22:12

Tgt Ion: 75 Resp: 4866

Ion Ratio Lower Upper

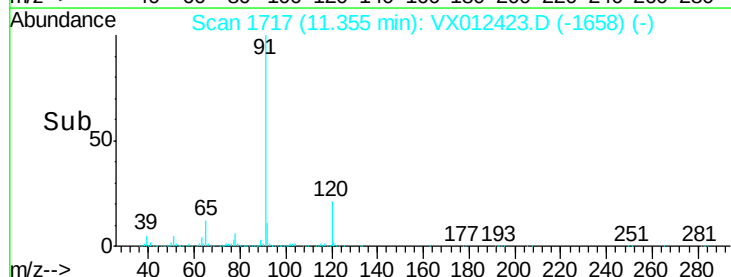
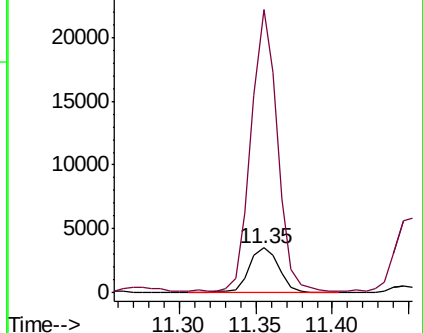
75 100

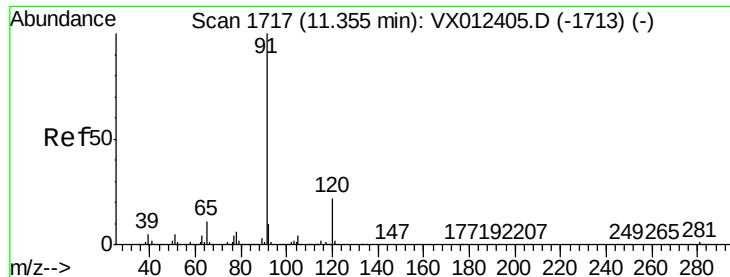
77 543.4 19.4 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 82.767 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

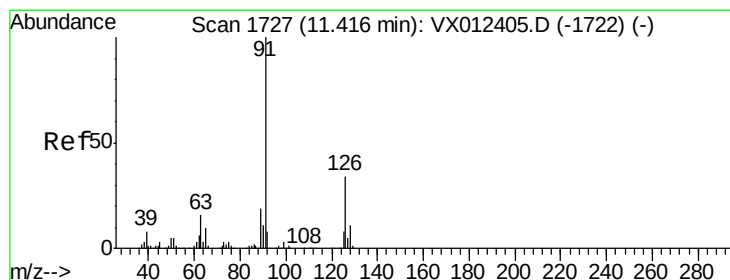
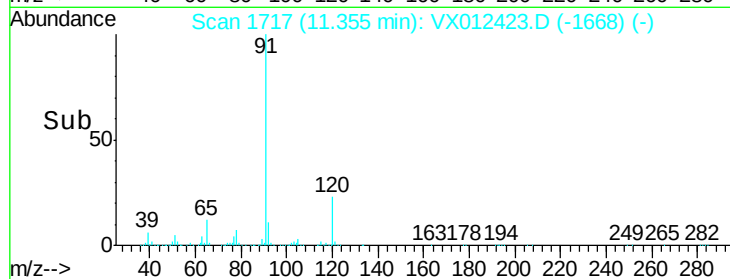
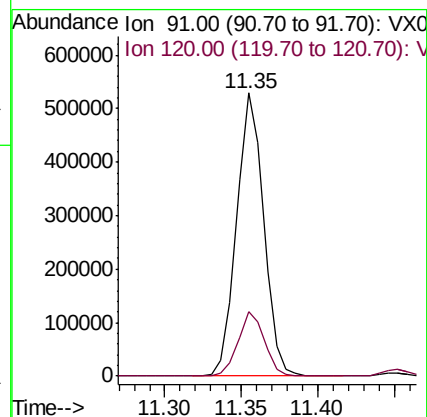
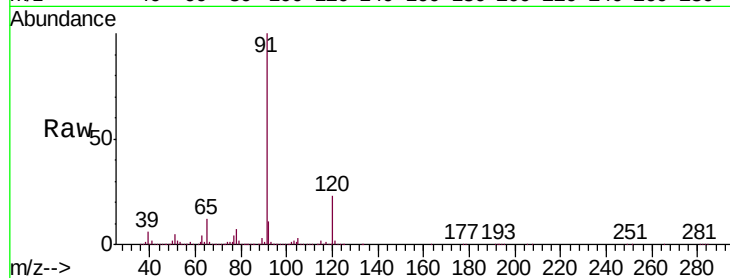
K4830-11MS

Tgt Ion: 91 Resp: 648467

Ion Ratio Lower Upper

91 100

120 22.2 11.5 34.4



#79

2-Chlorotoluene

Concen: 128.929 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.06 min

Lab File: VX012423.D

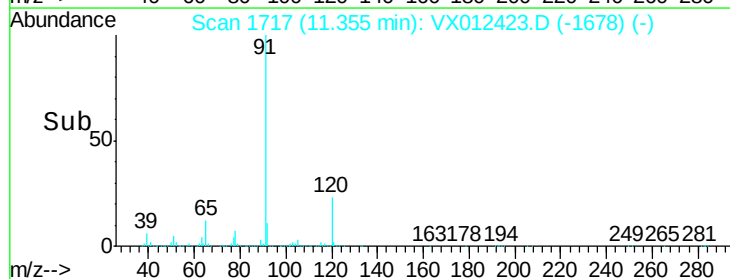
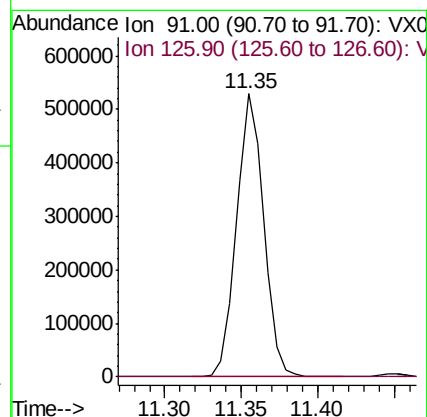
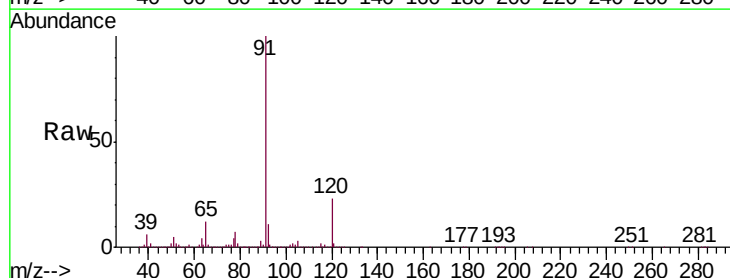
Acq: 16 Sep 2019 22:12

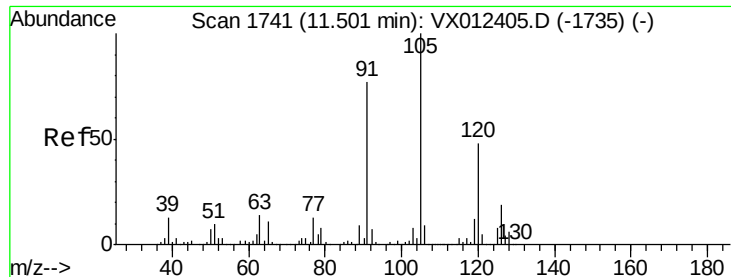
Tgt Ion: 91 Resp: 648467

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.2#





#80

1,3,5-Trimethylbenzene

Concen: 9.801 ug/l

RT: 11.45 min Scan# 1733

Delta R.T. -0.05 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampled :

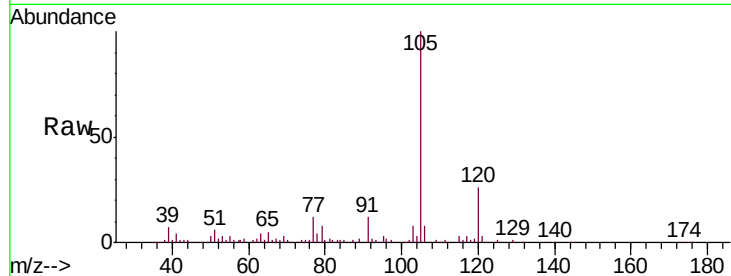
K4830-11MS

Tgt Ion:105 Resp: 59168

Ion Ratio Lower Upper

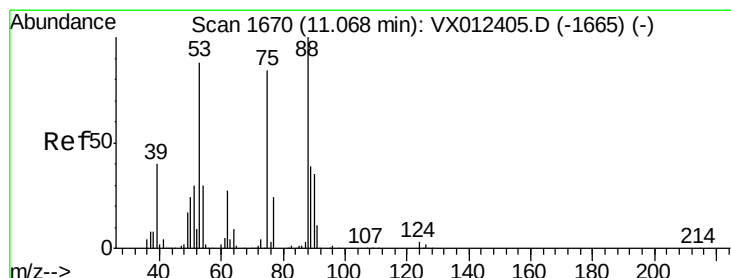
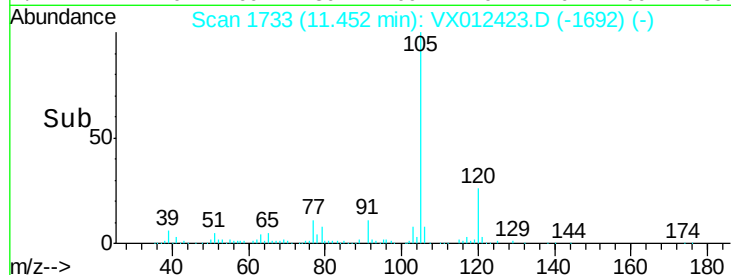
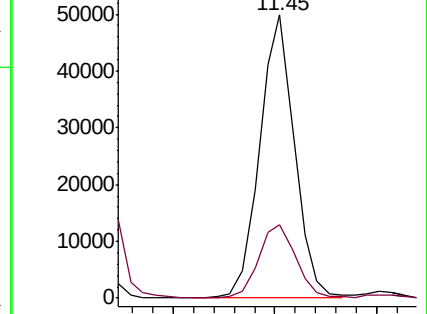
105 100

120 27.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 8.670 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.05 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

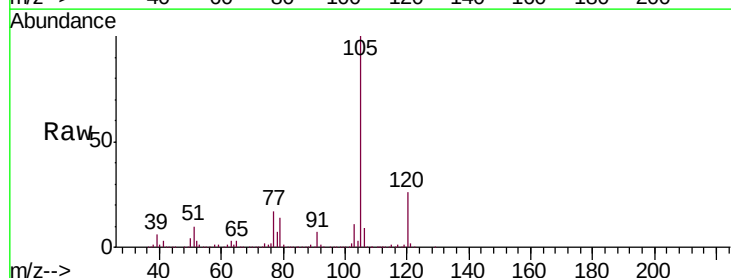
Tgt Ion: 75 Resp: 7922

Ion Ratio Lower Upper

75 100

53 101.4 84.6 127.0

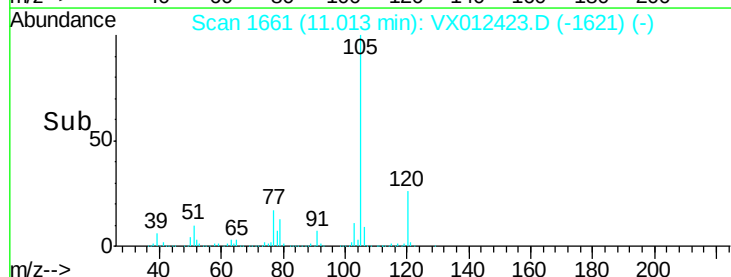
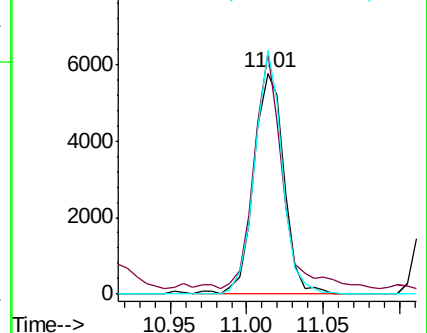
89 100.5 38.8 58.2#

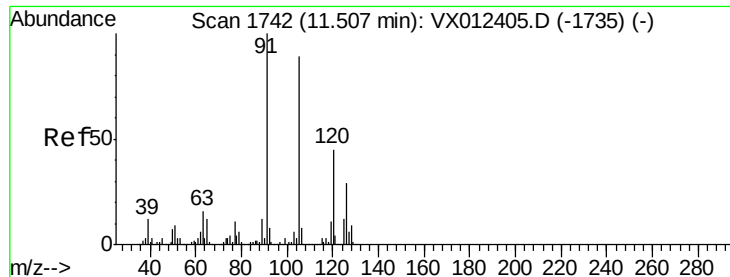


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#82

4-Chlorotoluene

Concen: 110.559 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.15 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

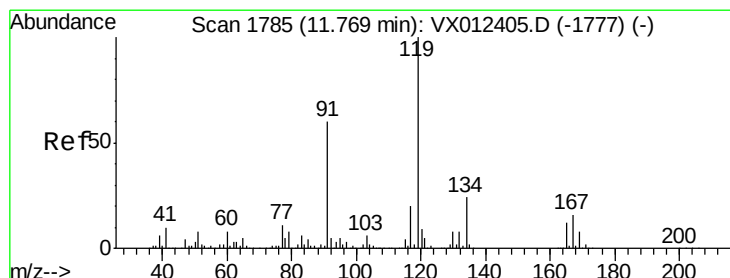
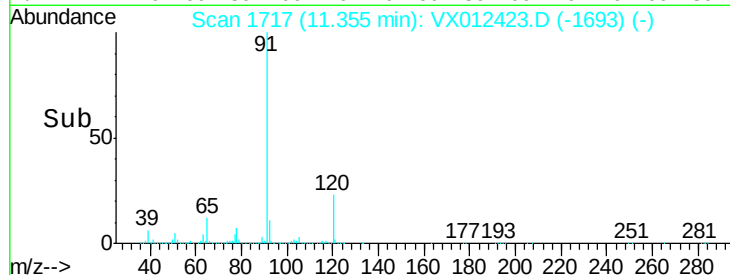
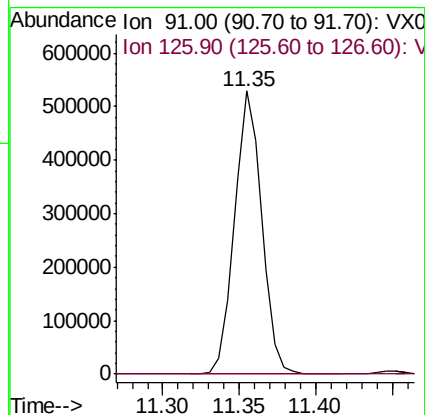
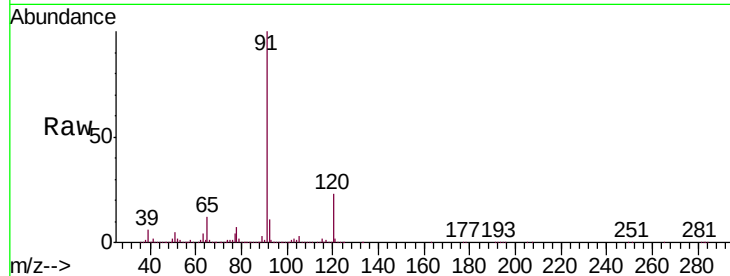
K4830-11MS

Tgt Ion: 91 Resp: 648467

Ion Ratio Lower Upper

91 100

126 0.0 14.1 42.3#



#83

tert-Butylbenzene

Concen: 2.813 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

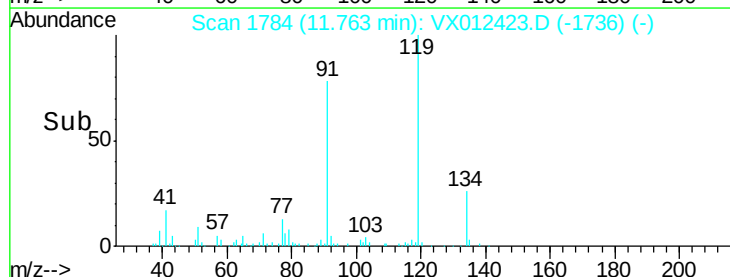
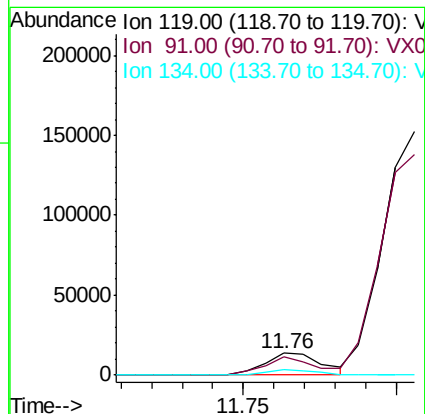
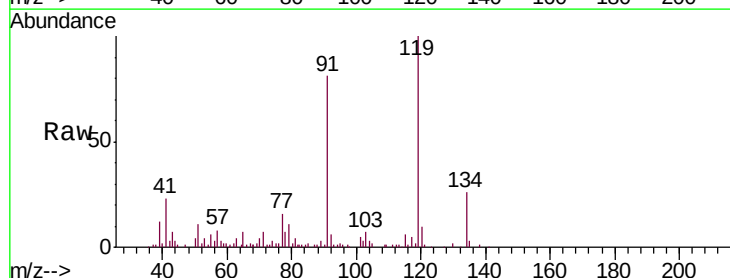
Tgt Ion: 119 Resp: 18010

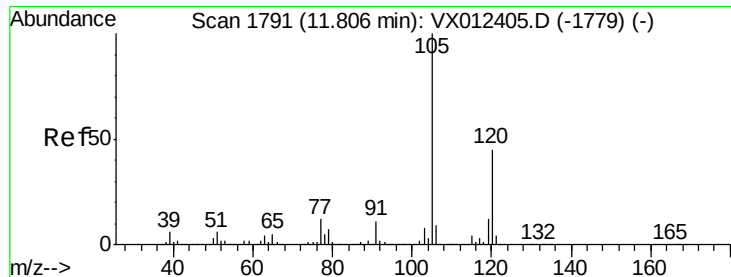
Ion Ratio Lower Upper

119 100

91 67.0 29.6 88.8

134 22.8 11.4 34.1





#84

1,2,4-Trimethylbenzene

Concen: 249.227 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

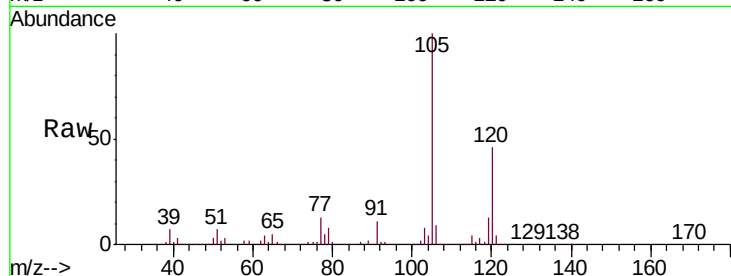
K4830-11MS

Tgt Ion:105 Resp: 1526619

Ion Ratio Lower Upper

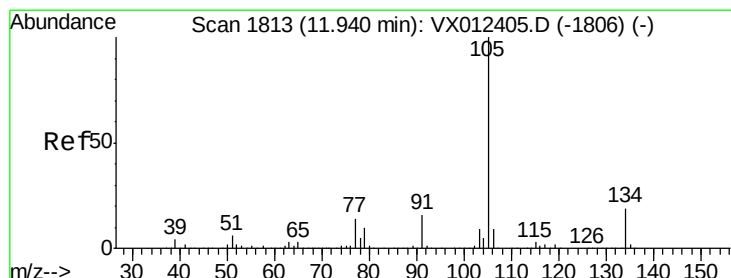
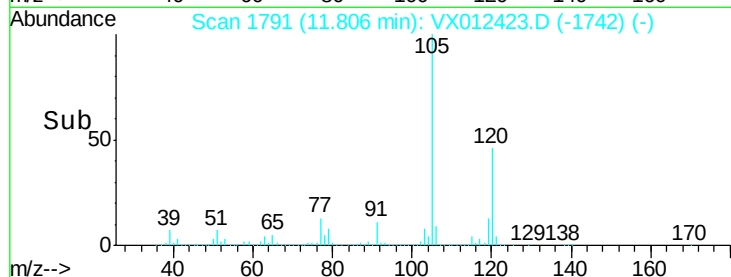
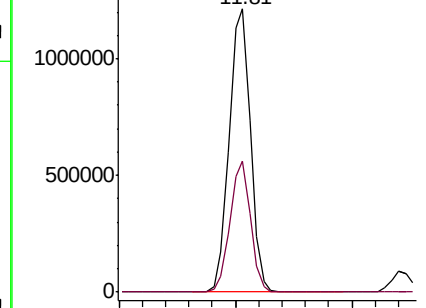
105 100

120 44.6 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 15.486 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012423.D

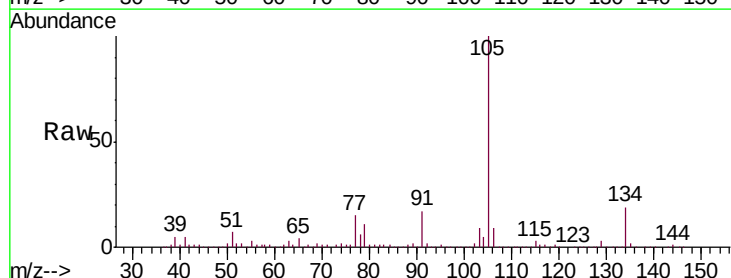
Acq: 16 Sep 2019 22:12

Tgt Ion:105 Resp: 109624

Ion Ratio Lower Upper

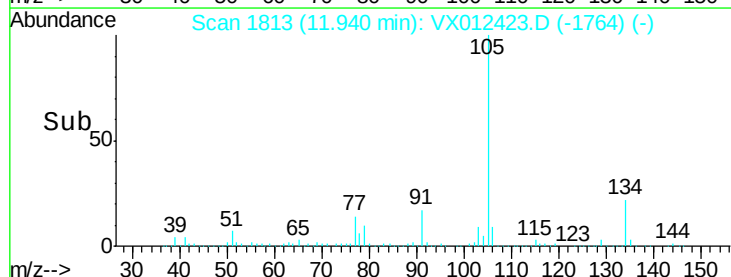
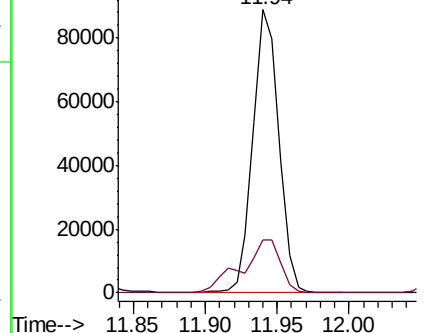
105 100

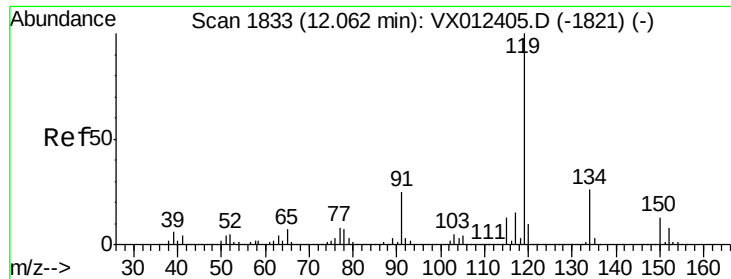
134 28.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

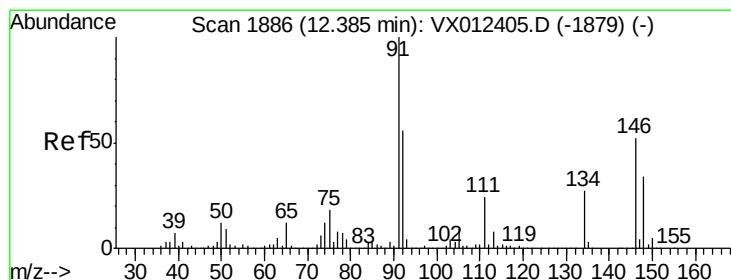
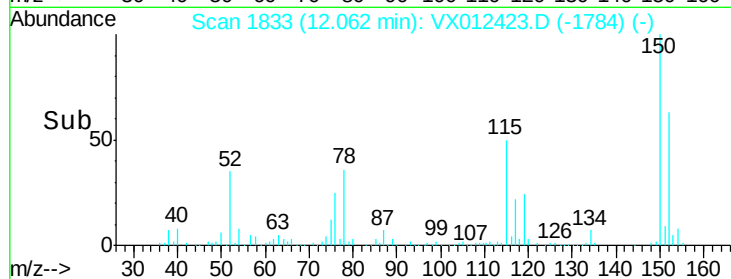
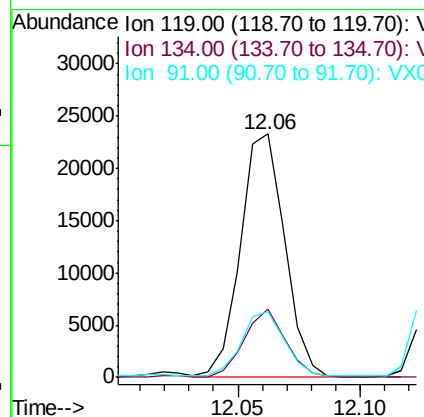
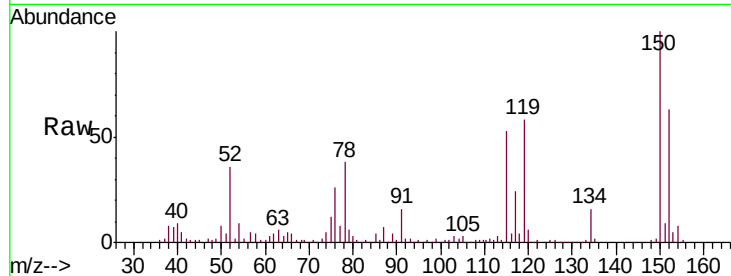




#86
p-Isopropyltoluene
Concen: 4.517 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX012423.D
Acq: 16 Sep 2019 22:12

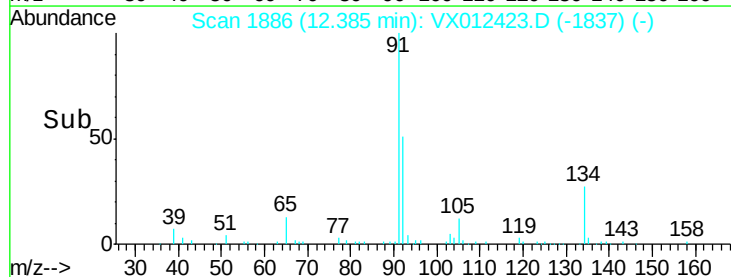
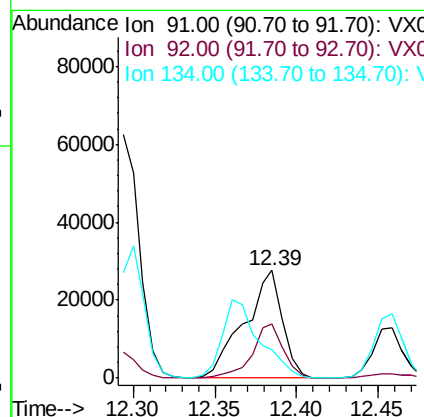
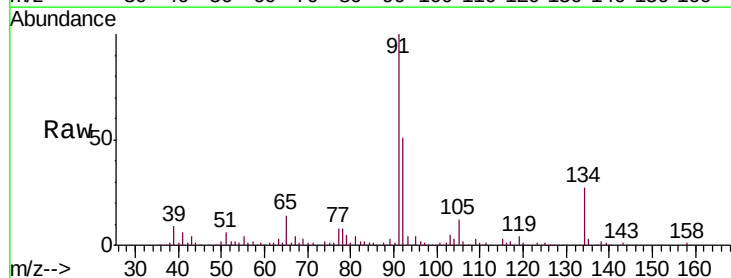
Instrument :
MSVOA_X
ClientSampled :
K4830-11MS

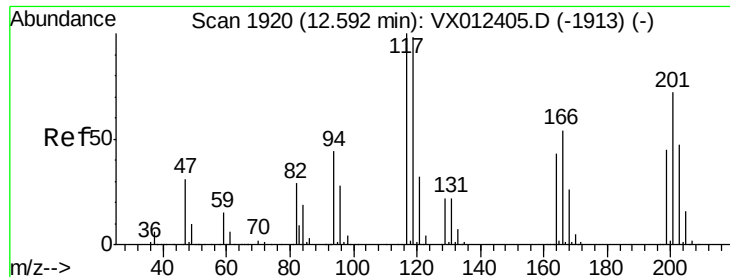
Tgt Ion: 119 Resp: 29293
Ion Ratio Lower Upper
119 100
134 26.4 12.9 38.6
91 25.8 12.9 38.6



#89
n-Butylbenzene
Concen: 7.803 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012423.D
Acq: 16 Sep 2019 22:12

Tgt Ion: 91 Resp: 44690
Ion Ratio Lower Upper
91 100
92 41.7 27.5 82.4
134 0.0 13.2 39.6#





#90

Hexachloroethane

Concen: 8.383 ug/l

RT: 12.58 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

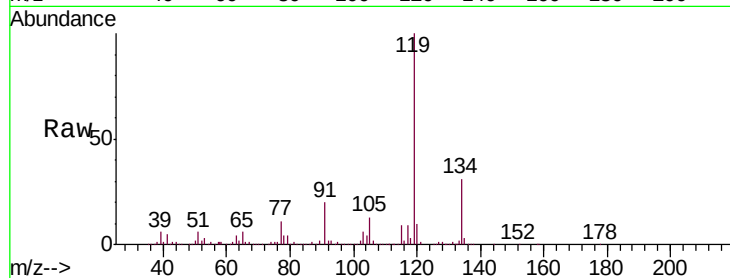
K4830-11MS

Tgt Ion:117 Resp: 10511

Ion Ratio Lower Upper

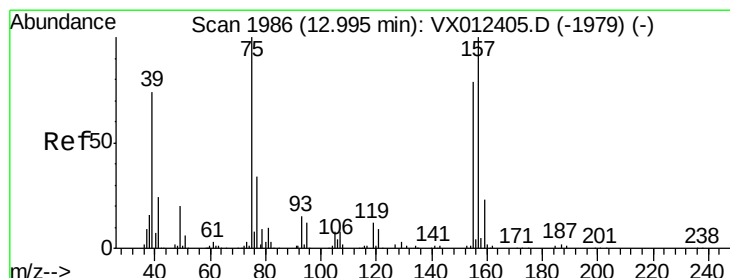
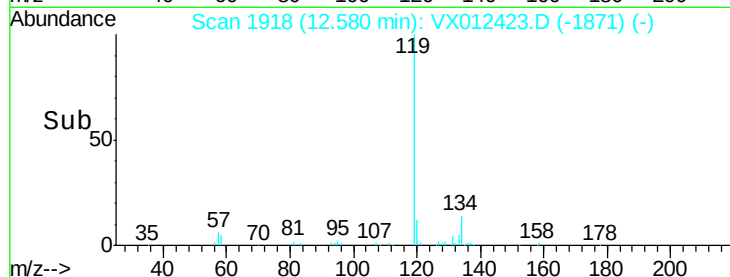
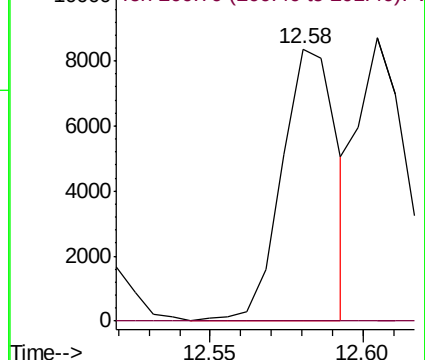
117 100

201 0.0 35.2 105.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.152 ug/l

RT: 12.97 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VX012423.D

Acq: 16 Sep 2019 22:12

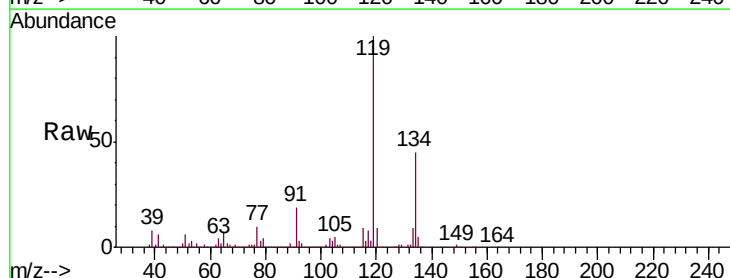
Tgt Ion: 75 Resp: 1580

Ion Ratio Lower Upper

75 100

155 0.0 39.8 119.4#

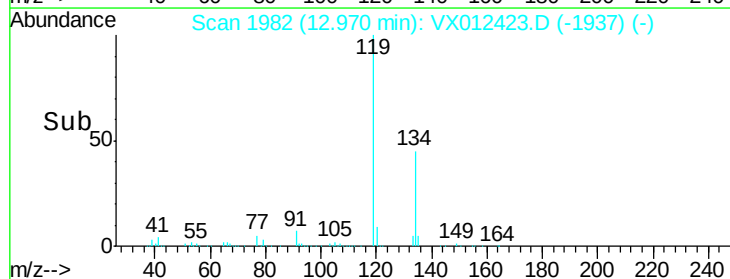
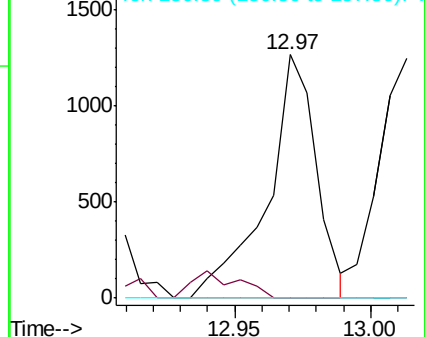
157 0.0 50.0 150.1#

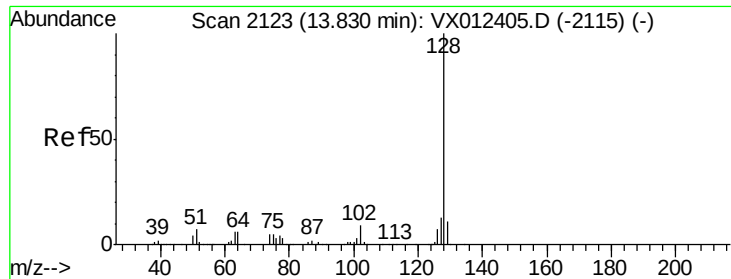


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

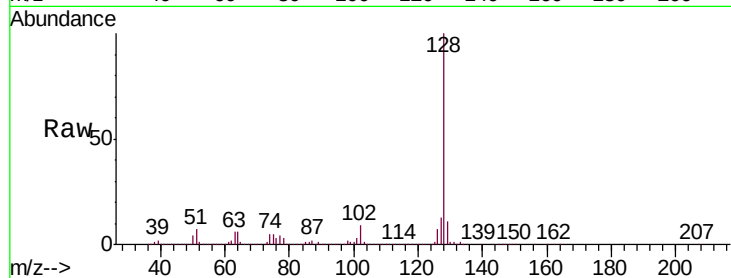




#95
 Naphthalene
 Concen: 41.688 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX012423.D
 Acq: 16 Sep 2019 22:12

Instrument :
 MSVOA_X
 ClientSampleId :
 K4830-11MS

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	12.1	8.6	13.0



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

