

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
 Data File : VX011402.D
 Acq On : 09 Aug 2019 12:12
 Operator : JC/SP
 Sample : K4251-05 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-FD-0819

Quant Time: Aug 10 23:57:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	182659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	269674	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130258	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	96915	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
35) Dibromofluoromethane	5.49	113	81884	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
50) Toluene-d8	8.71	98	318702	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
62) 4-Bromofluorobenzene	11.13	95	113064	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	591	0.476	ug/l	87
6) Chloroethane	1.74	64	41	Below Cal	#	66
10) Methyl Iodide	2.50	142	775	0.367	ug/l #	84
11) Tert butyl alcohol	3.06	59	6182	16.875	ug/l #	92
13) Acrolein	2.28	56	184	0.385	ug/l	91
15) Acrylonitrile	3.14	53	199	0.227	ug/l #	1
16) Acetone	2.44	43	1264	1.444	ug/l #	83
20) Methylene Chloride	2.84	84	577	0.301	ug/l #	85
25) 2-Butanone	4.70	43	565	0.454	ug/l	97
29) Tetrahydrofuran	5.10	42	192	0.251	ug/l #	37
30) Chloroform	5.21	83	1204	0.386	ug/l #	75
36) 1,1-Dichloropropene	5.65	75	12507	5.312	ug/l #	45
38) Carbon Tetrachloride	5.65	117	17569	7.417	ug/l #	14
39) Methylcyclohexane	7.46	83	1009	0.362	ug/l #	85
49) 1,4-Dioxane	7.64	88	21	0.408	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	96	2.873	ug/l #	43
55) 1,1,2-Trichloroethane	9.16	97	481	0.252	ug/l #	16
60) Dibromochloromethane	9.33	129	426	0.218	ug/l #	10
64) Tetrachloroethene	9.33	164	475	0.227	ug/l #	79
67) Ethyl Benzene	10.25	91	47683	5.390	ug/l	99
68) m/p-Xylenes	10.36	106	21735	6.351	ug/l	95
69) o-Xylene	10.70	106	702	0.209	ug/l	78
73) Isopropylbenzene	11.01	105	66795	7.498	ug/l	99
74) N-ethyl acetate	10.91	43	1148	0.357	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	1097	0.370	ug/l #	47
76) 1,2,3-Trichloropropane	11.13	75	58411	24.624	ug/l #	36
78) n-propylbenzene	11.36	91	143080	14.442	ug/l	99
79) 2-Chlorotoluene	11.45	91	20059	3.397	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	130536	17.504	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	58411	64.325	ug/l #	10
82) 4-Chlorotoluene	11.51	91	14297	2.078	ug/l #	43
83) tert-Butylbenzene	11.77	119	6827	0.933	ug/l	85
84) 1,2,4-Trimethylbenzene	11.80	105	1023037	137.784	ug/l	100
85) sec-Butylbenzene	11.94	105	35604	4.052	ug/l #	74

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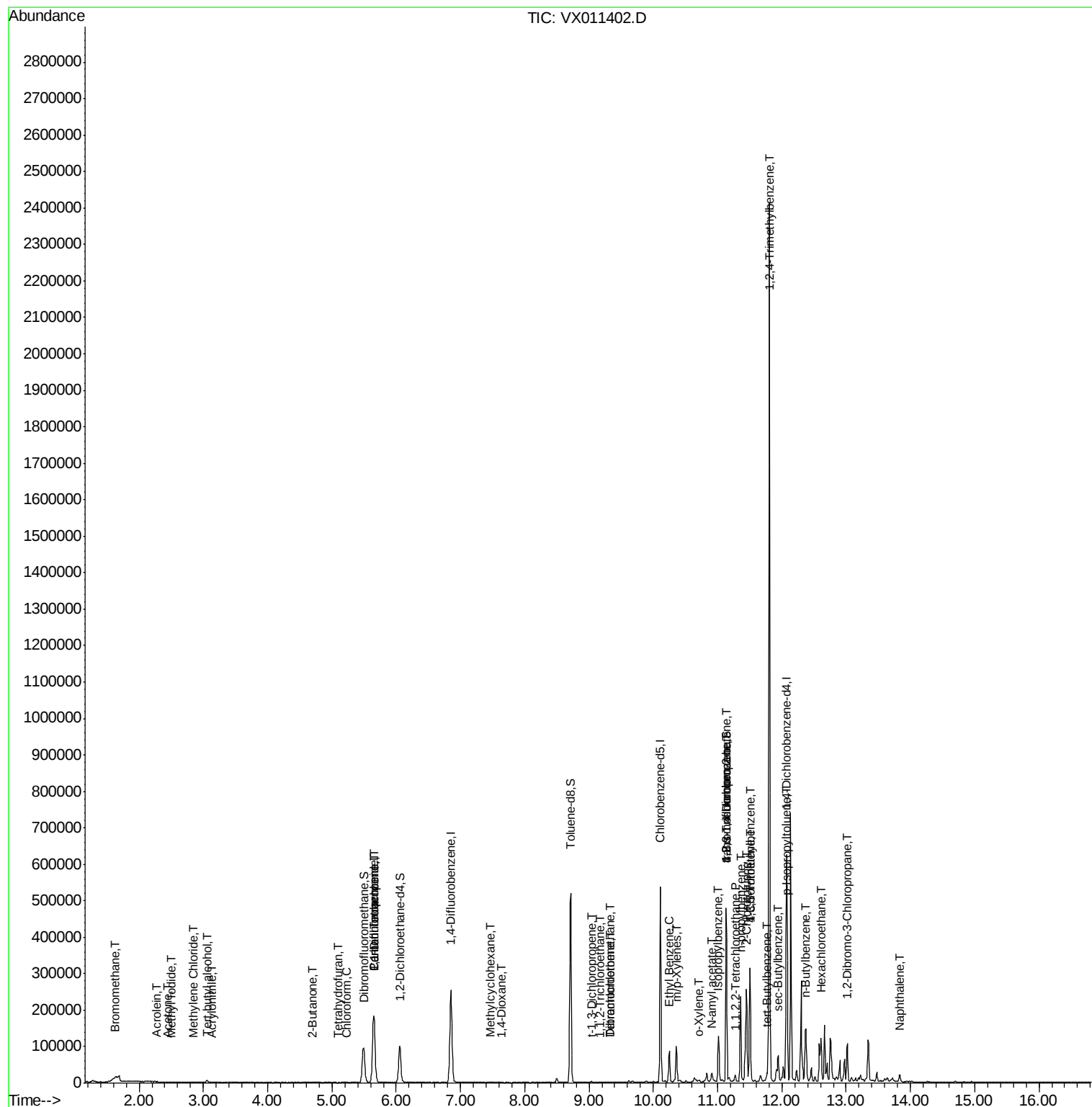
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	12.06	119	32447	4.014	ug/l	98
89) n-Butylbenzene	12.38	91	29336	4.212	ug/l #	46
90) Hexachloroethane	12.61	117	3871	3.239	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	13.02	75	517	0.899	ug/l #	1
95) Naphthalene	13.83	128	12315	1.448	ug/l	100

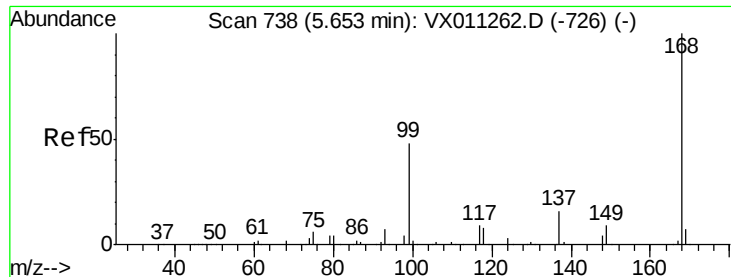
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

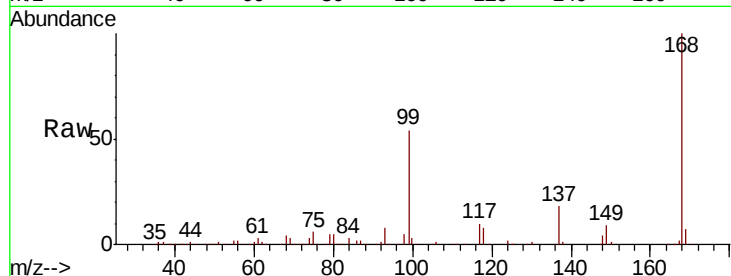
EP1-MW-FD-0819

Tgt Ion:168 Resp: 182659

Ion Ratio Lower Upper

168 100

99 54.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

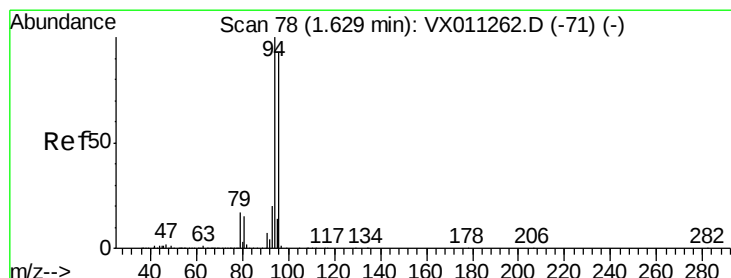
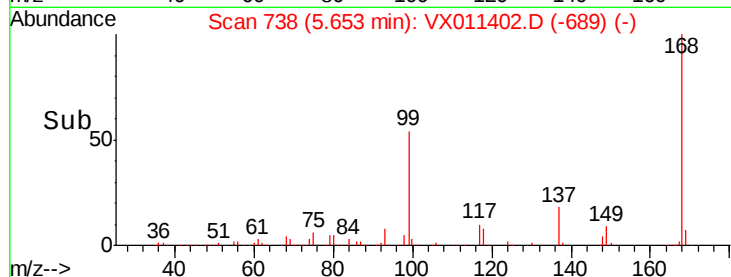
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.476 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011402.D

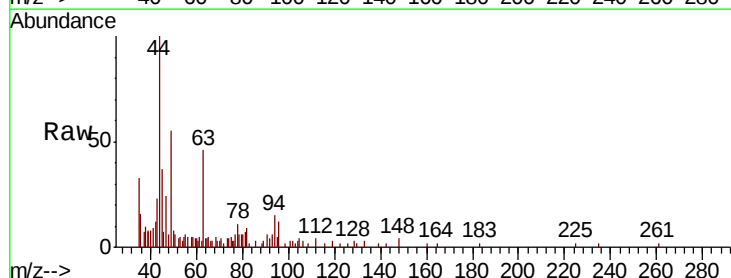
Acq: 09 Aug 2019 12:12

Tgt Ion: 94 Resp: 591

Ion Ratio Lower Upper

94 100

96 106.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

400

300

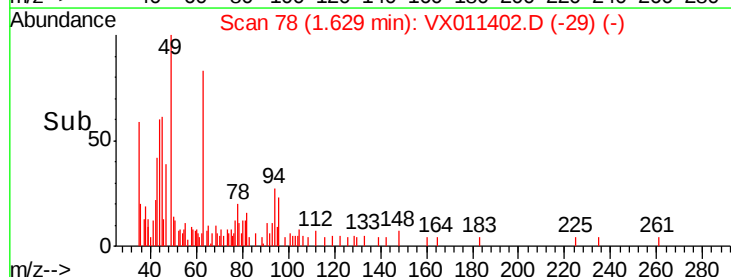
200

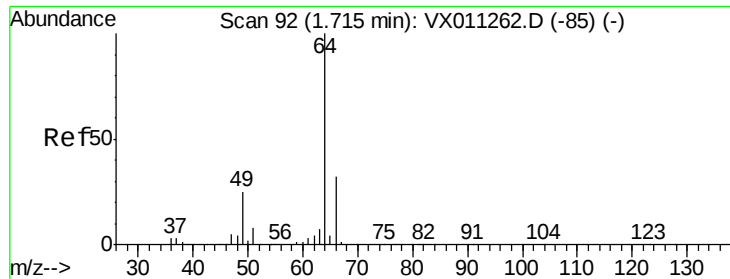
100

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

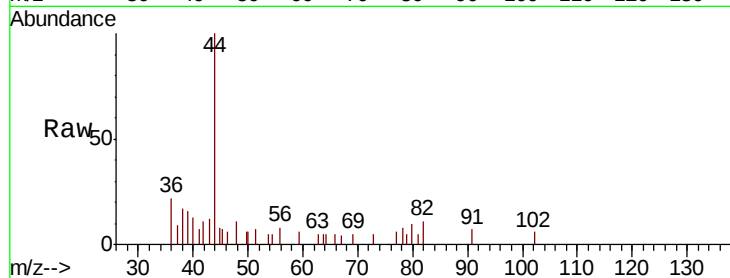
EP1-MW-FD-0819

Tgt Ion: 64 Resp: 41

Ion Ratio Lower Upper

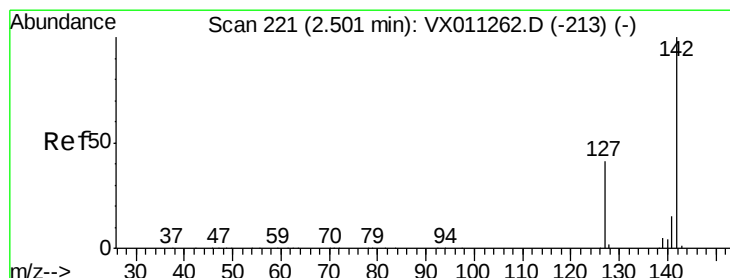
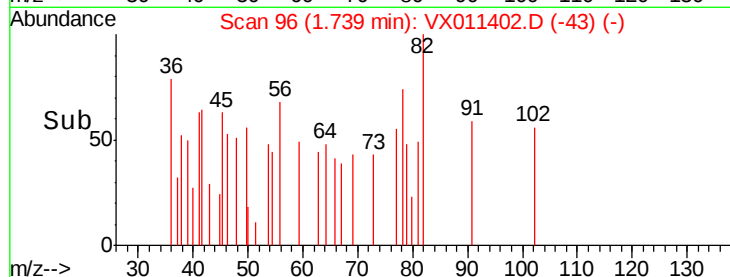
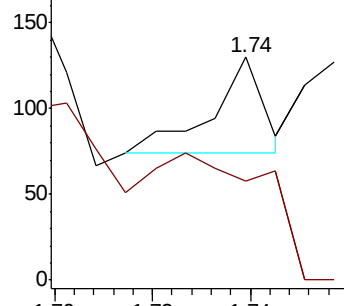
64 100

66 12.5 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.367 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.00 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

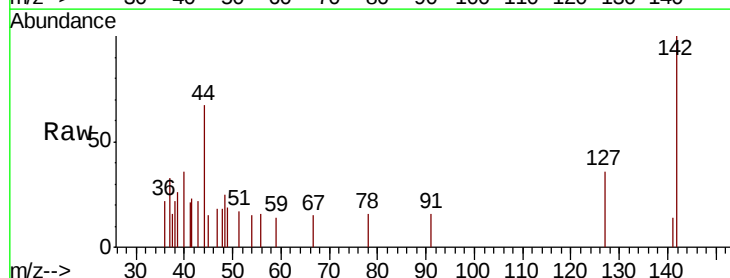
Tgt Ion: 142 Resp: 775

Ion Ratio Lower Upper

142 100

127 32.0 33.8 50.8#

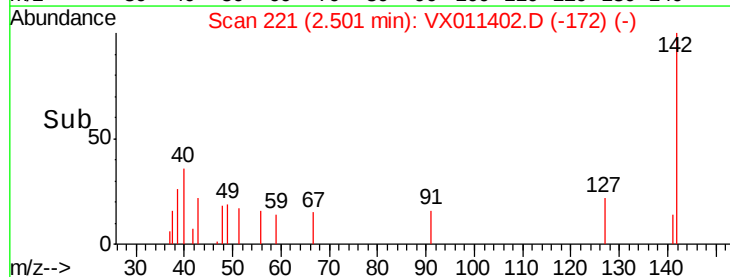
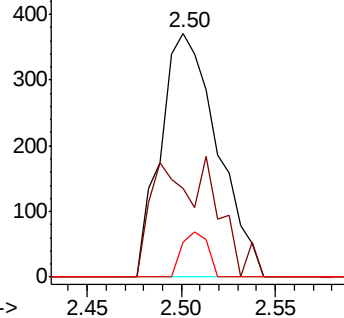
141 8.4 11.4 17.2#

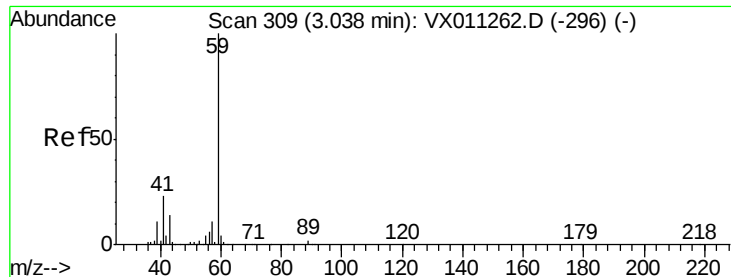


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

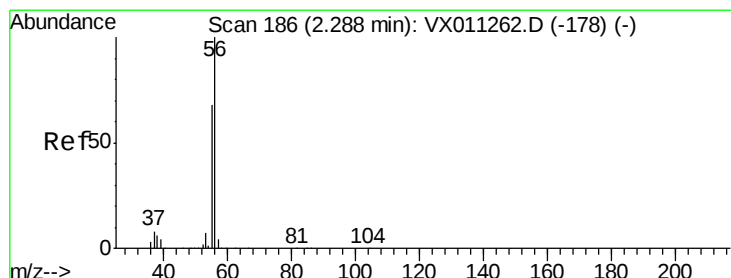
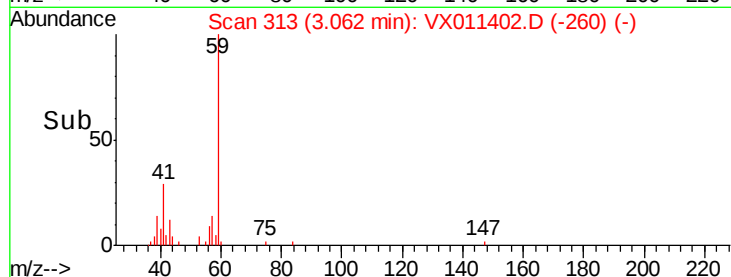
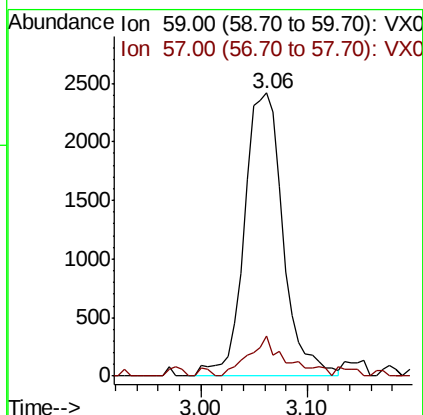
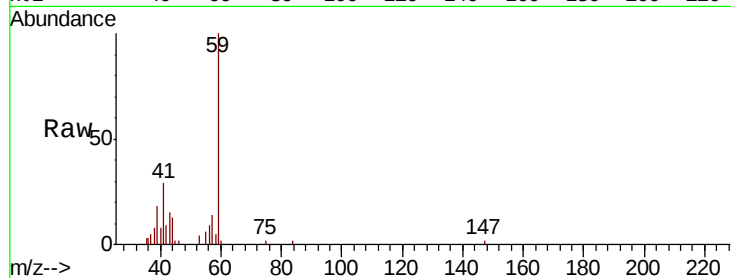




#11
Tert butyl alcohol
Concen: 16.875 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.02 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

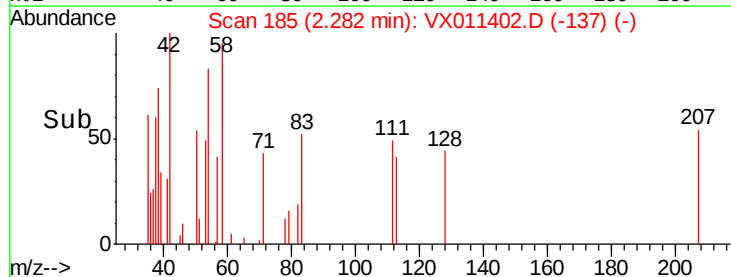
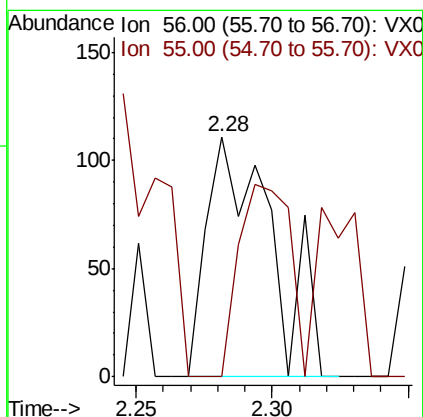
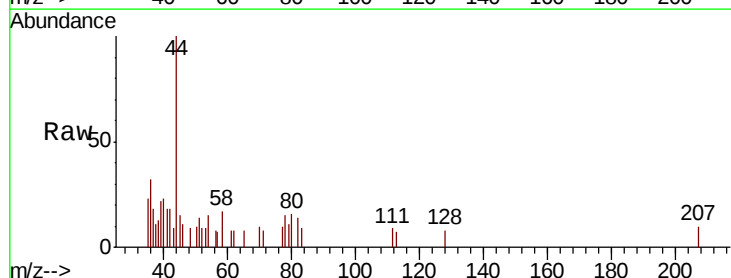
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-FD-0819

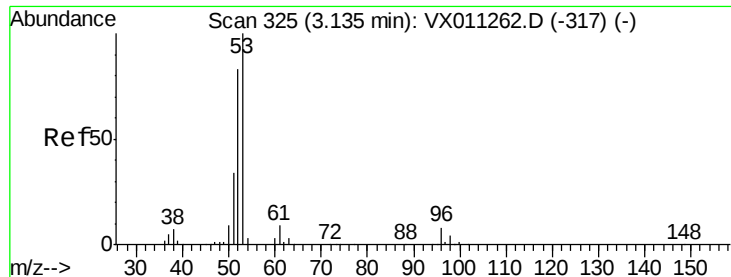
Tgt Ion: 59 Resp: 6182
Ion Ratio Lower Upper
59 100
57 13.4 8.3 12.5#



#13
Acrolein
Concen: 0.385 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

Tgt Ion: 56 Resp: 184
Ion Ratio Lower Upper
56 100
55 62.5 56.0 84.0





#15

Acrylonitrile

Concen: 0.227 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-FD-0819

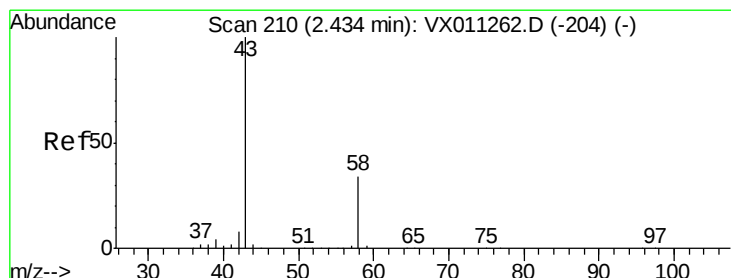
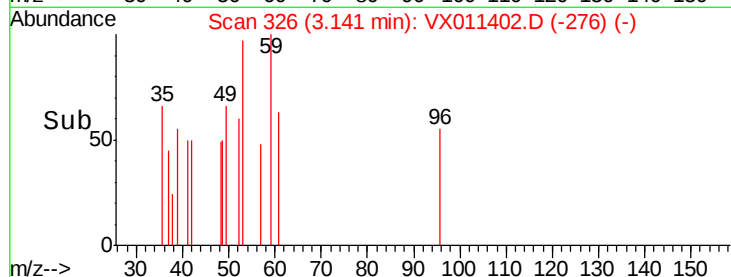
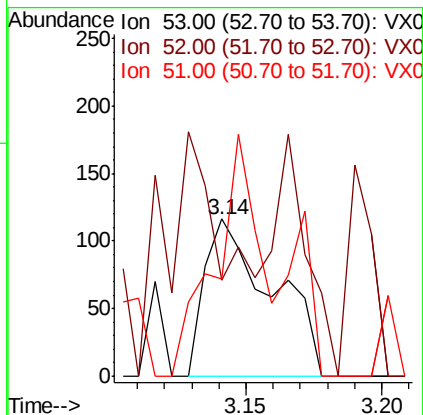
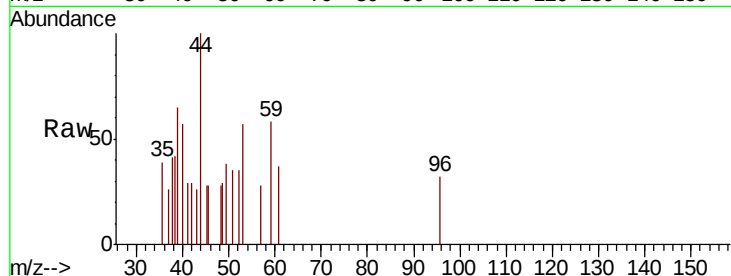
Tgt Ion: 53 Resp: 199

Ion Ratio Lower Upper

53 100

52 165.8 65.5 98.3#

51 136.2 27.9 41.9#



#16

Acetone

Concen: 1.444 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011402.D

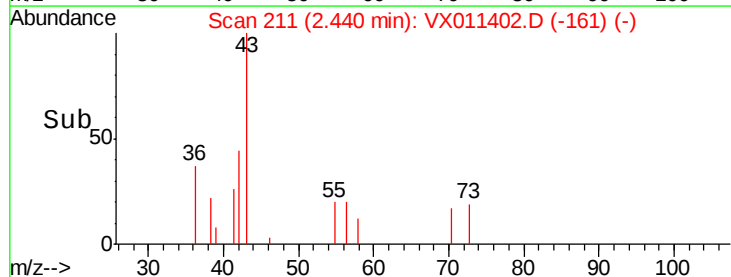
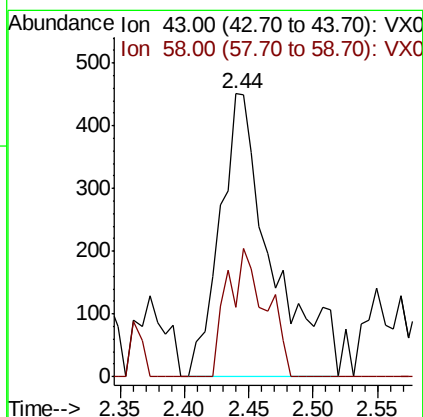
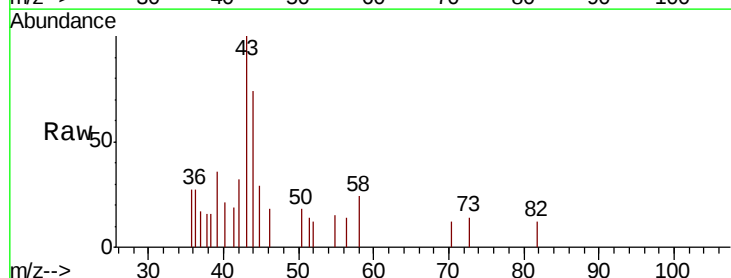
Acq: 09 Aug 2019 12:12

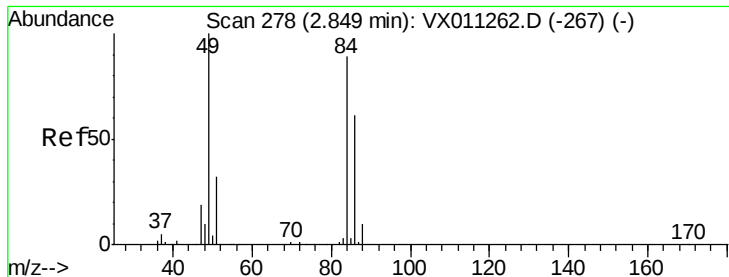
Tgt Ion: 43 Resp: 1264

Ion Ratio Lower Upper

43 100

58 24.4 27.4 41.0#





#20

Methylene Chloride

Concen: 0.301 ug/l

RT: 2.84 min Scan# 277

Delta R.T. -0.01 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

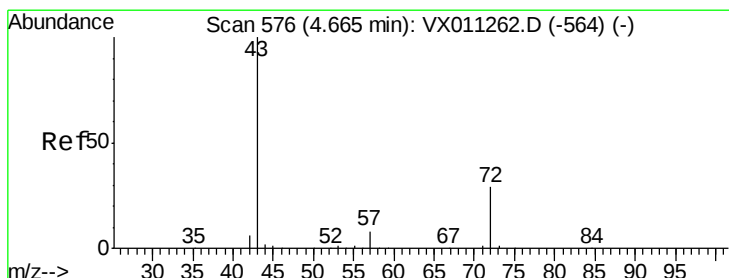
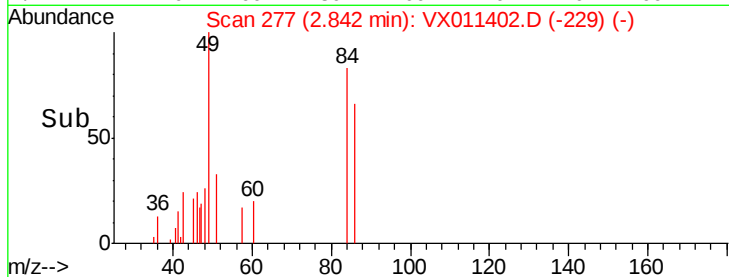
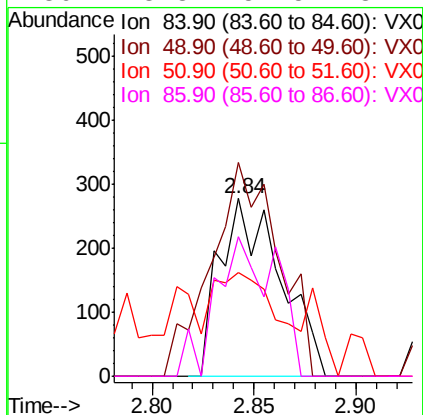
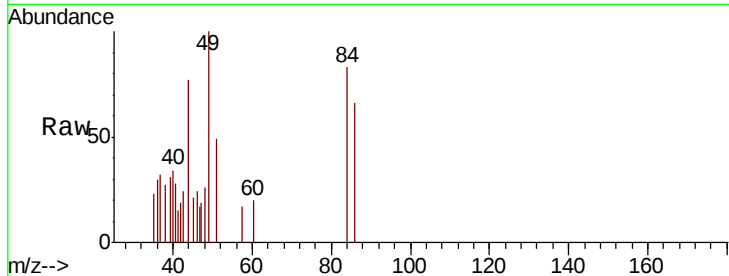
Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-FD-0819

Tgt Ion:	84	Resp:	577
Ion	Ratio	Lower	Upper
84	100		
49	120.1	89.3	133.9
51	58.3	28.3	42.5#
86	78.8	54.5	81.7



#25

2-Butanone

Concen: 0.454 ug/l

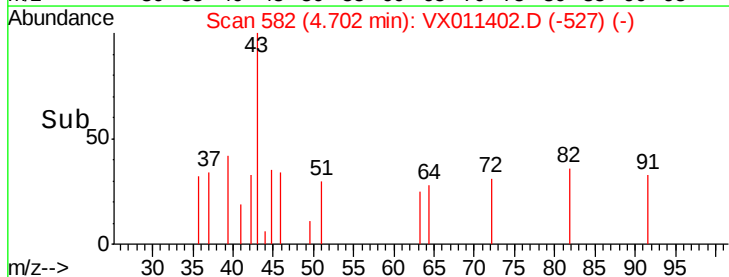
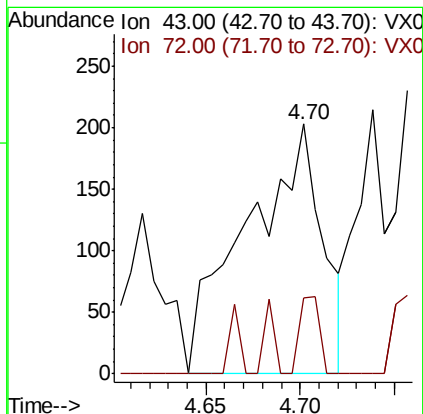
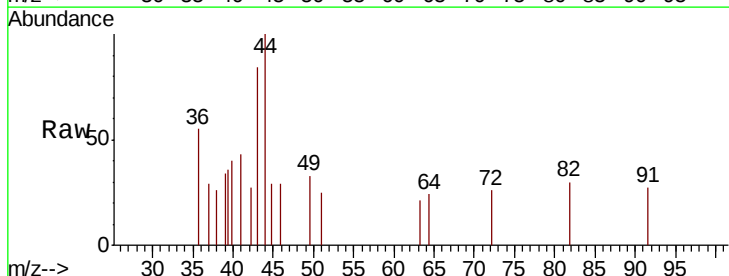
RT: 4.70 min Scan# 582

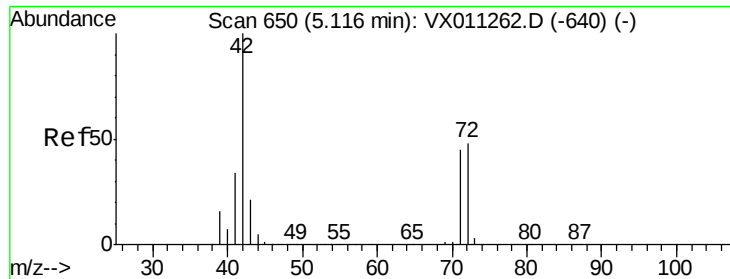
Delta R.T. 0.04 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

Tgt Ion:	43	Resp:	565
Ion	Ratio	Lower	Upper
43	100		
72	30.5	23.2	34.8





#29

Tetrahydrofuran

Concen: 0.251 ug/l

RT: 5.10 min Scan# 647

Delta R.T. -0.02 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-FD-0819

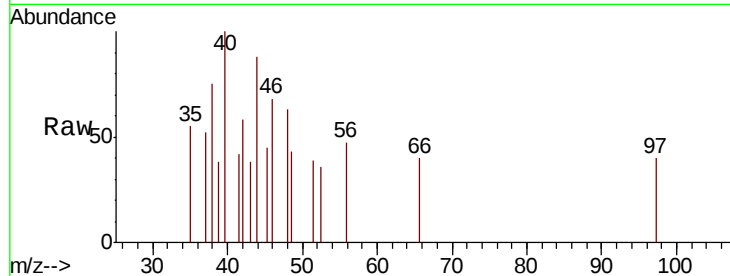
Tgt Ion: 42 Resp: 192

Ion Ratio Lower Upper

42 100

72 10.4 39.9 59.9#

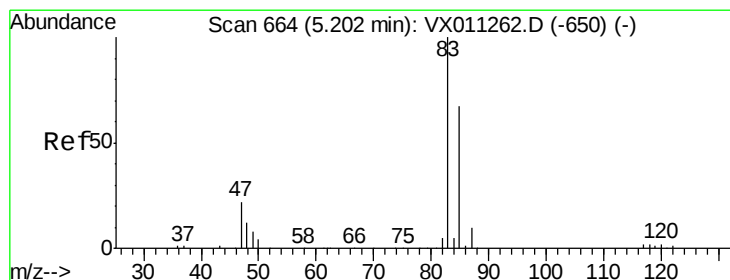
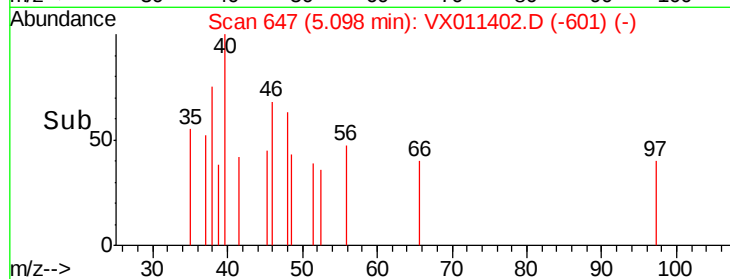
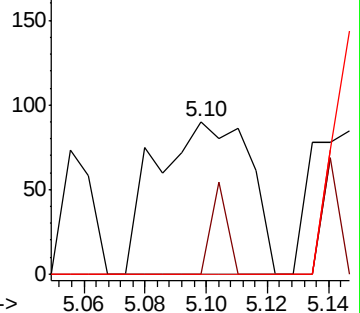
71 0.0 36.9 55.3#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 0.386 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX011402.D

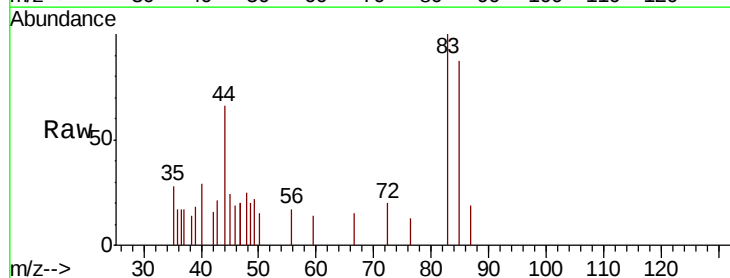
Acq: 09 Aug 2019 12:12

Tgt Ion: 83 Resp: 1204

Ion Ratio Lower Upper

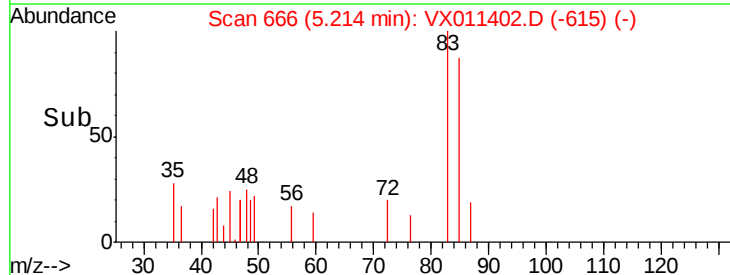
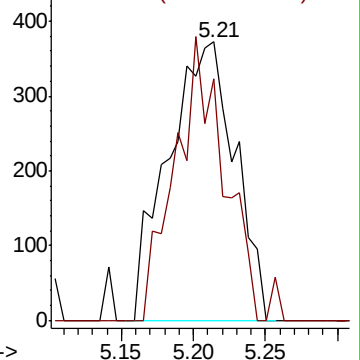
83 100

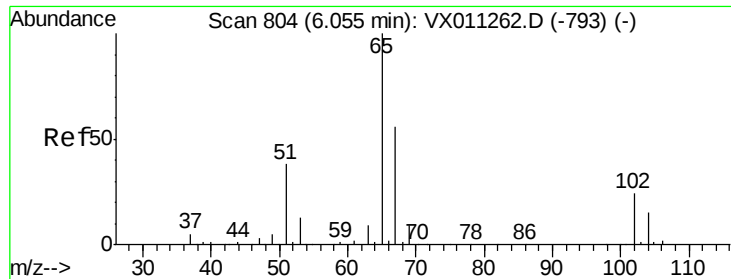
85 86.8 53.4 80.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.686 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

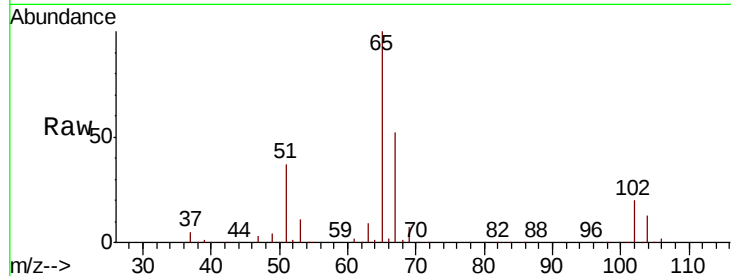
EP1-MW-FD-0819

Tgt Ion: 65 Resp: 96915

Ion Ratio Lower Upper

65 100

67 51.6 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

30000

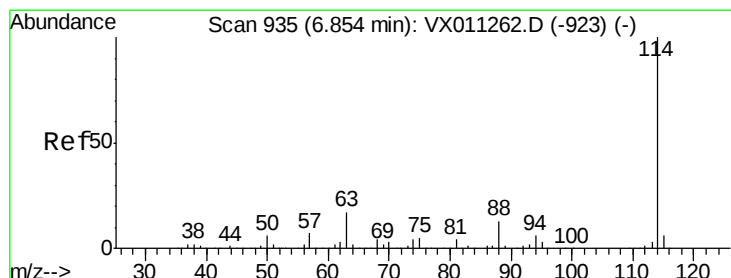
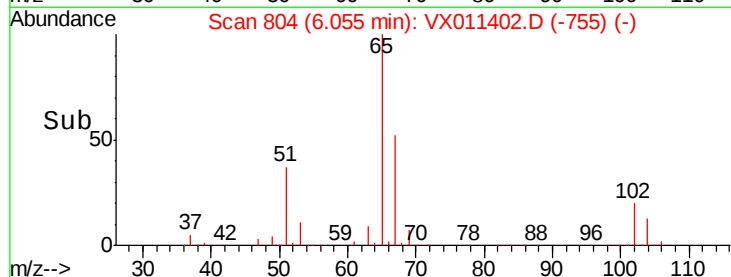
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

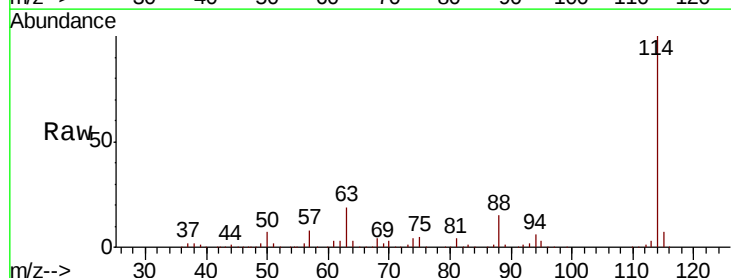
Tgt Ion: 114 Resp: 269674

Ion Ratio Lower Upper

114 100

63 19.0 0.0 34.0

88 14.8 0.0 26.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

150000

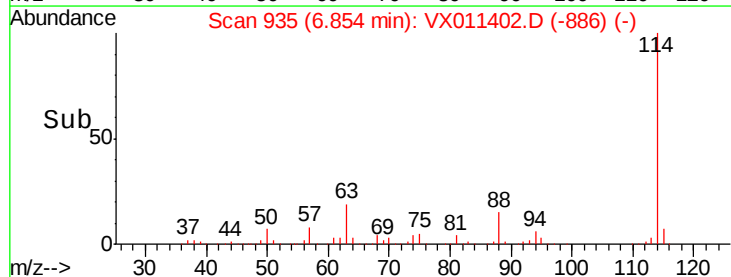
100000

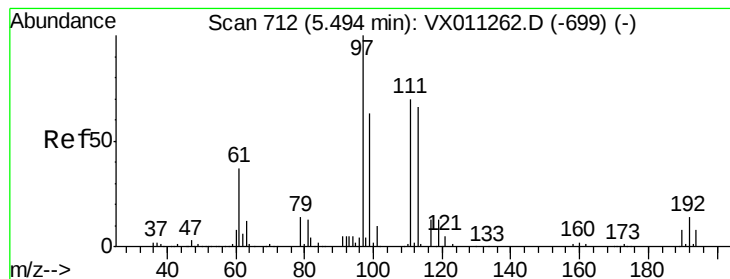
50000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 46.508 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-FD-0819

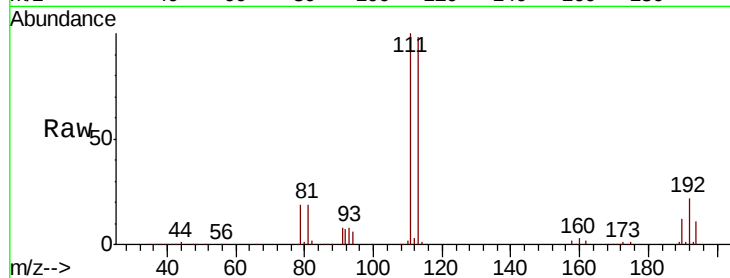
Tgt Ion:113 Resp: 81884

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

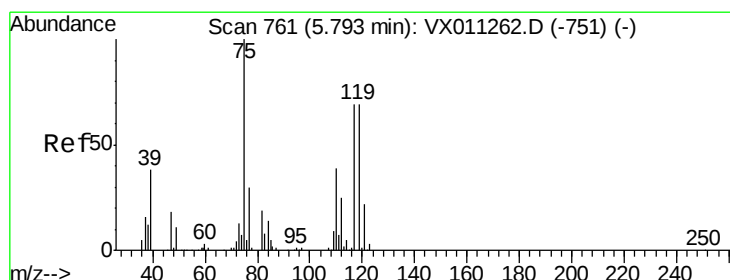
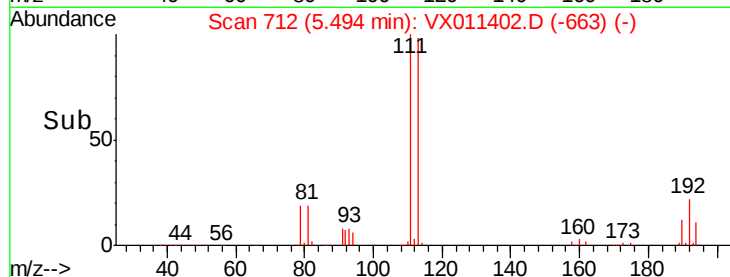
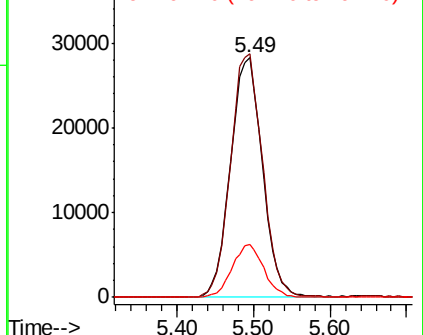
192 21.8 17.8 26.8



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: 5.312 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.15 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

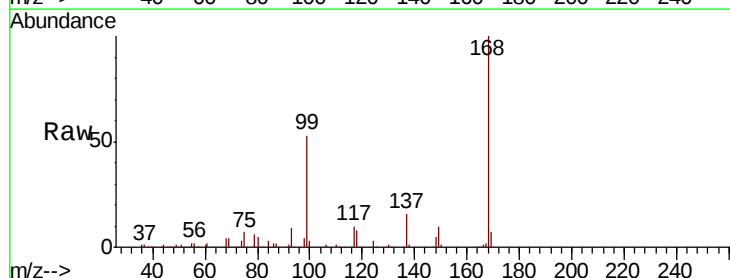
Tgt Ion: 75 Resp: 12507

Ion Ratio Lower Upper

75 100

110 6.1 20.0 59.9#

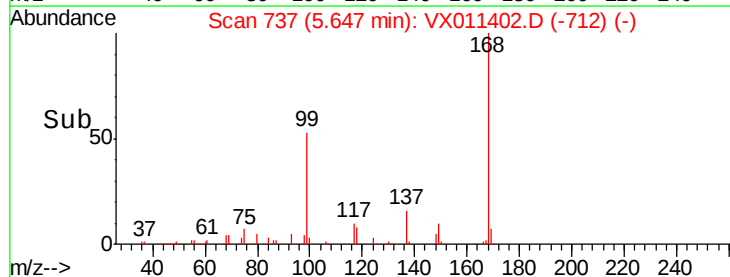
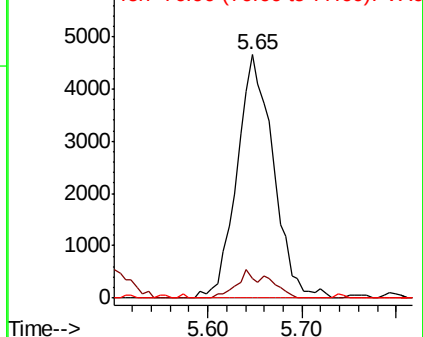
77 0.0 24.8 37.2#

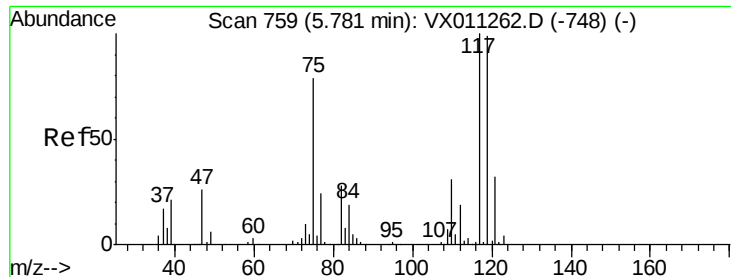


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.417 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-FD-0819

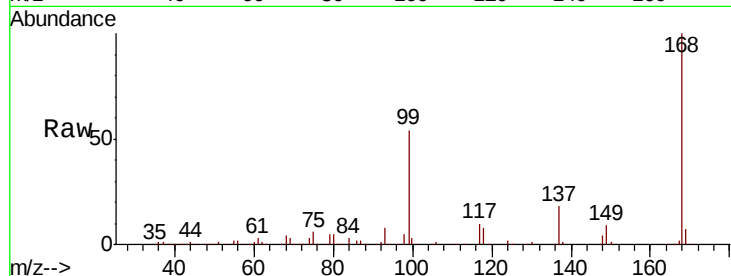
Tgt Ion:117 Resp: 17569

Ion Ratio Lower Upper

117 100

119 4.5 79.0 118.4#

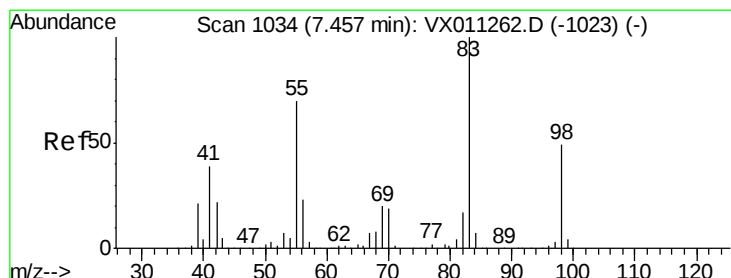
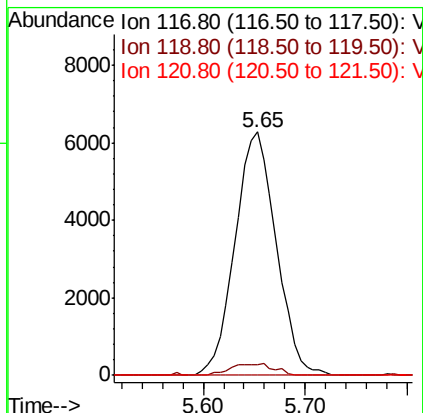
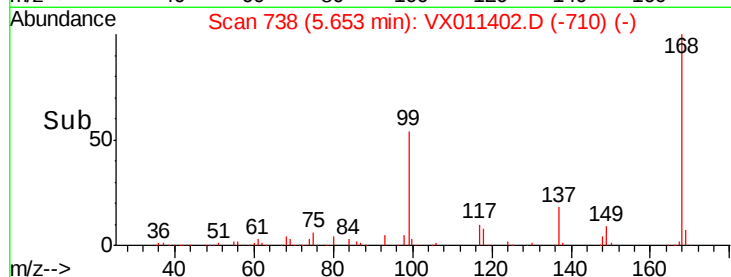
121 0.0 25.9 38.9#



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: 0.362 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

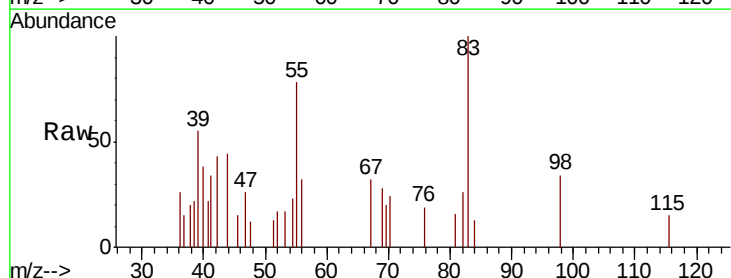
Tgt Ion: 83 Resp: 1009

Ion Ratio Lower Upper

83 100

55 78.2 56.1 84.1

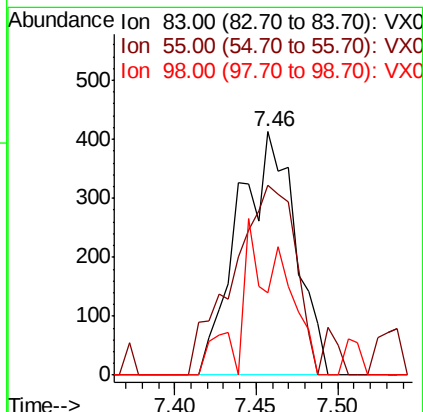
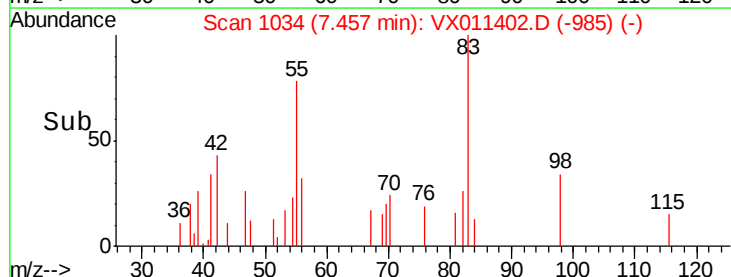
98 33.7 39.0 58.4#

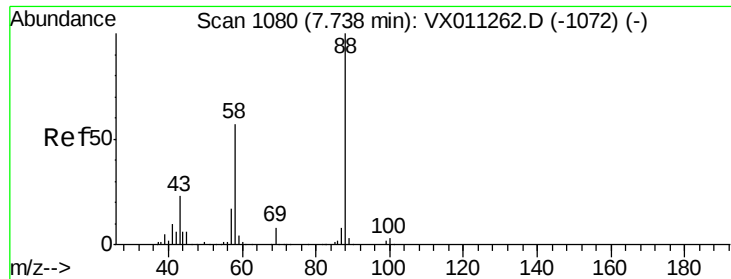


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

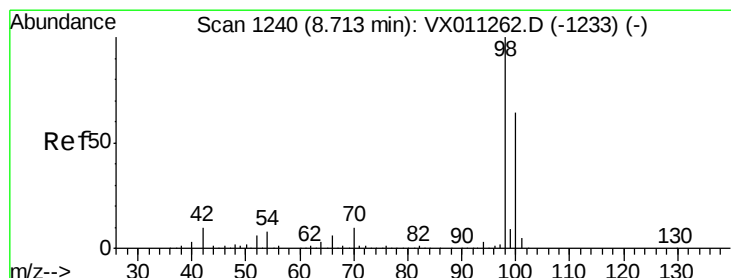
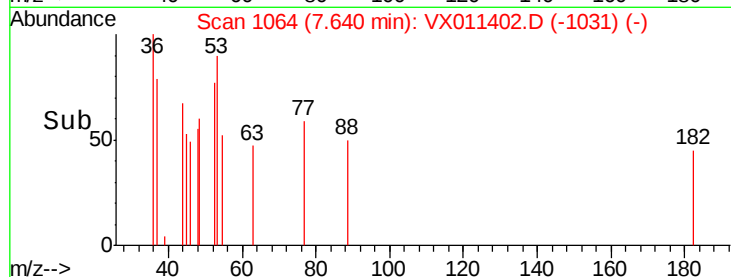
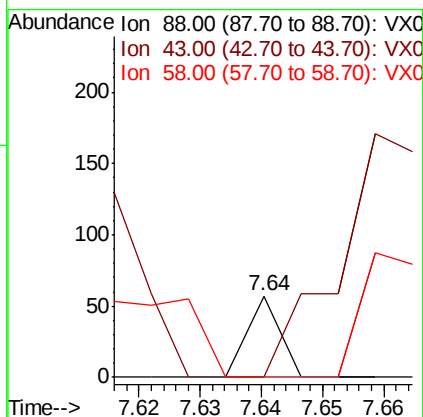
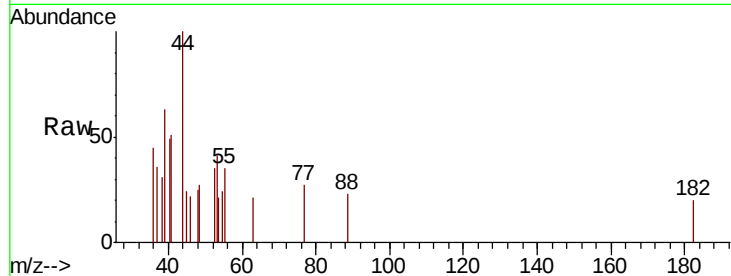




#49
1,4-Dioxane
Concen: 0.408 ug/l
RT: 7.64 min Scan# 1064
Delta R.T. -0.10 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

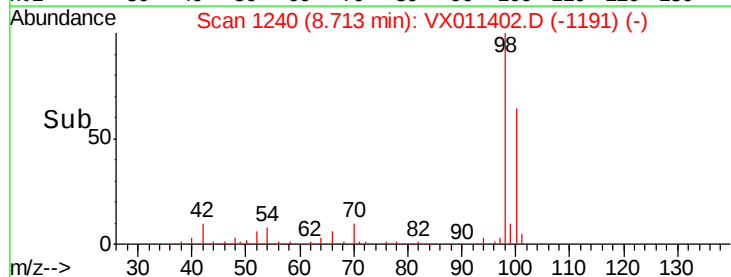
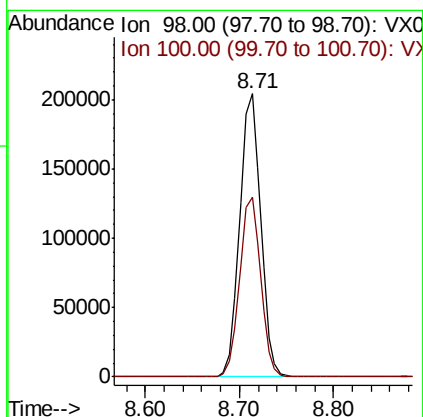
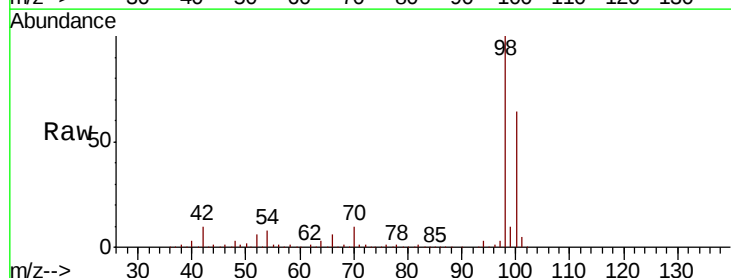
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-FD-0819

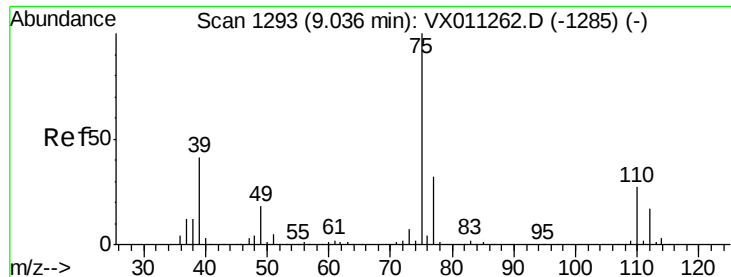
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 781.0 22.2 33.2#
58 290.5 47.8 71.8#



#50
Toluene-d8
Concen: 47.955 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

Tgt Ion: 98 Resp: 318702
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5

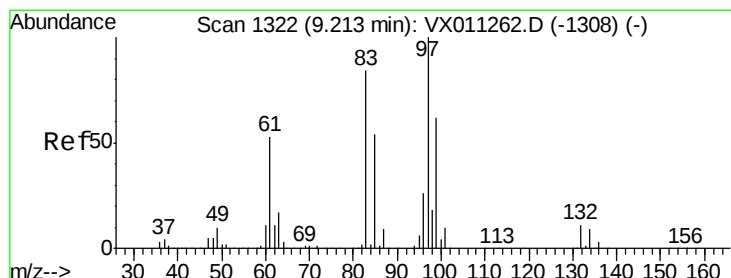
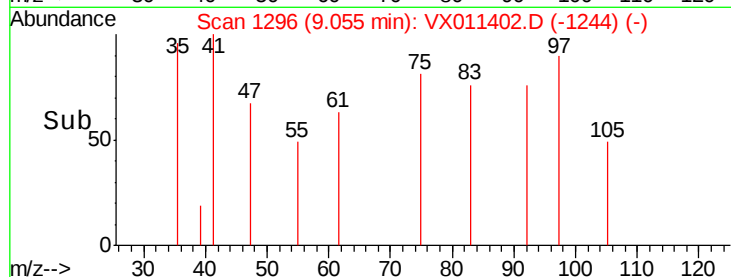
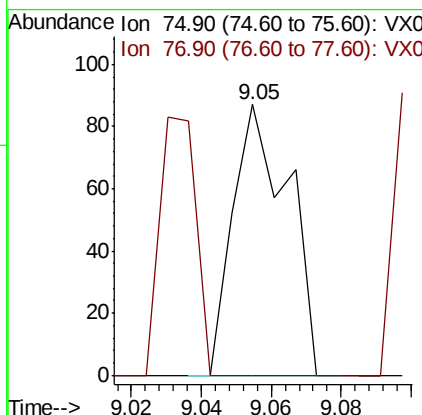
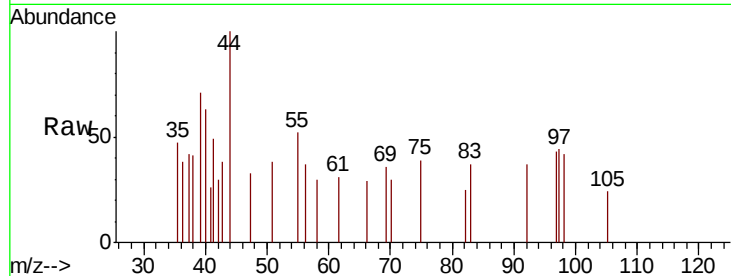




#53
t-1,3-Dichloropropene
Concen: 2.873 ug/l
RT: 9.05 min Scan# 1296
Delta R.T. 0.02 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

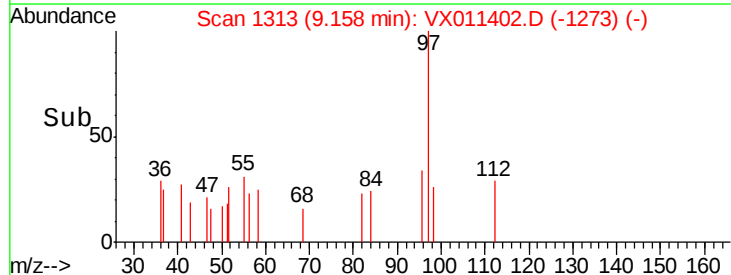
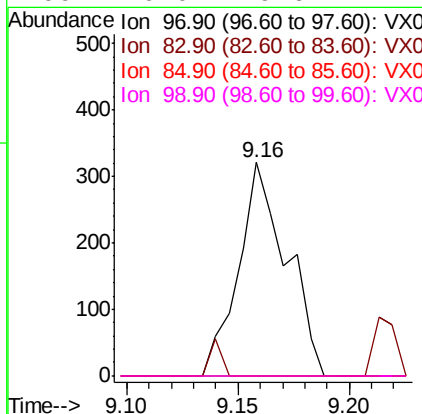
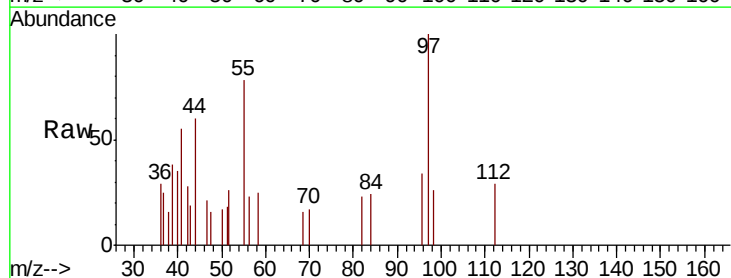
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-FD-0819

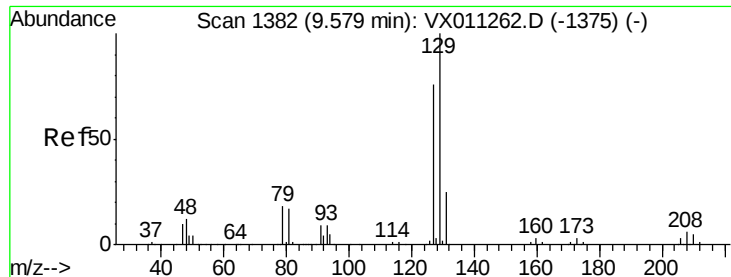
Tgt Ion: 75 Resp: 96
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#55
1,1,2-Trichloroethane
Concen: 0.252 ug/l
RT: 9.16 min Scan# 1313
Delta R.T. -0.05 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

Tgt Ion: 97 Resp: 481
Ion Ratio Lower Upper
97 100
83 0.0 67.6 101.4#
85 0.0 43.4 65.0#
99 0.0 49.6 74.4#

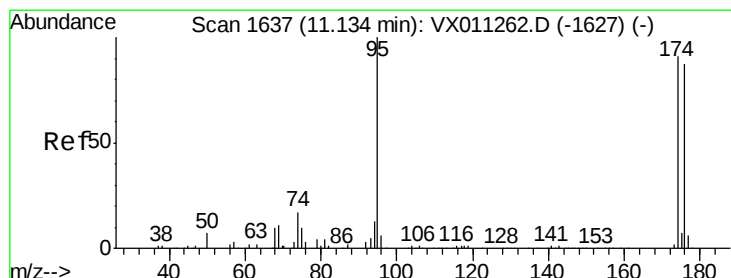
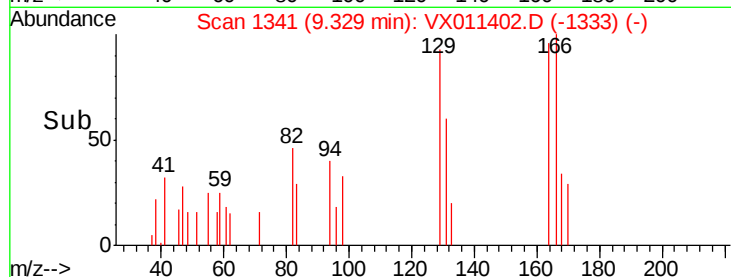
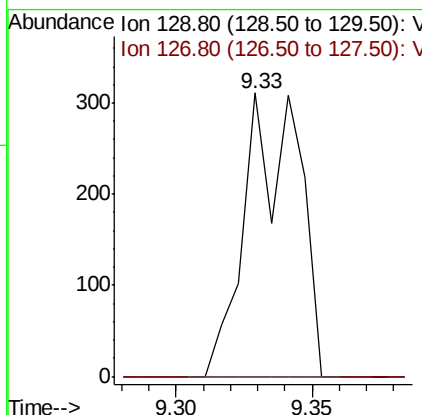
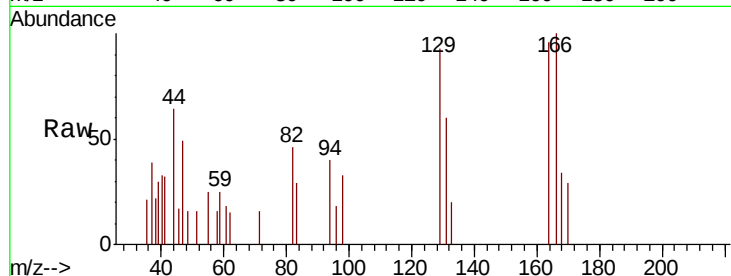




#60
Dibromochloromethane
Concen: 0.218 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.25 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

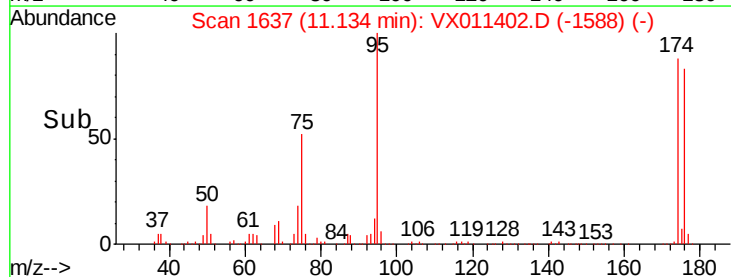
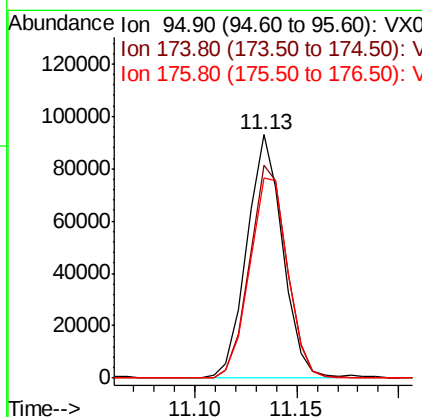
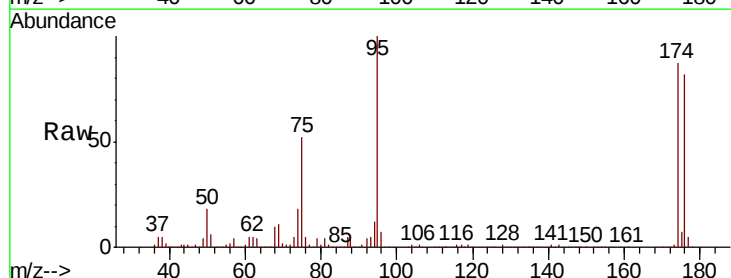
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-FD-0819

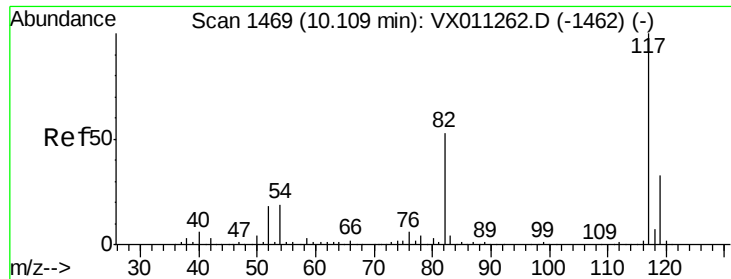
Tgt Ion: 129 Resp: 426
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#



#62
4-Bromofluorobenzene
Concen: 47.651 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

Tgt Ion: 95 Resp: 113064
Ion Ratio Lower Upper
95 100
174 91.5 0.0 191.2
176 88.6 0.0 184.8

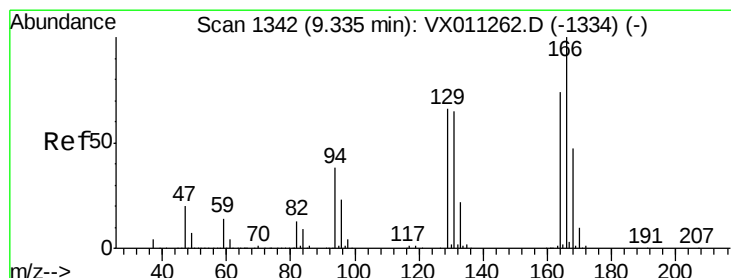
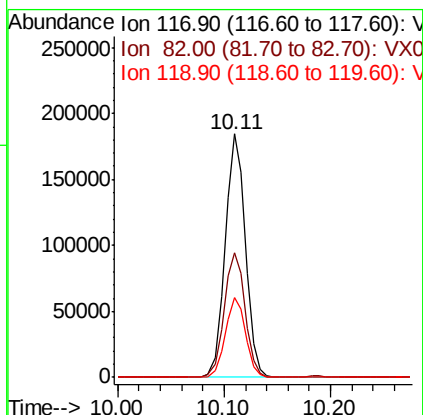
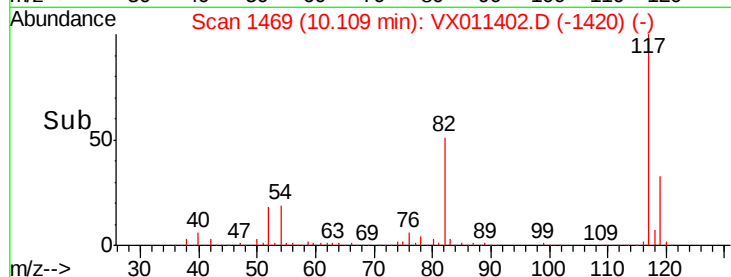
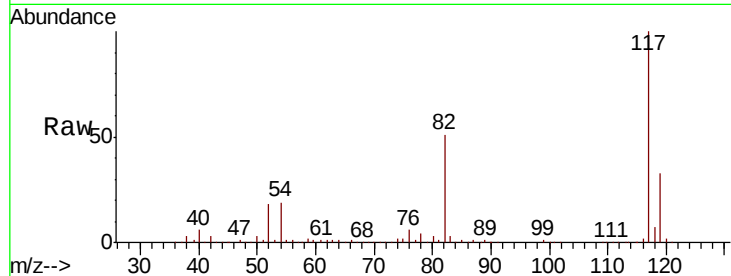




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

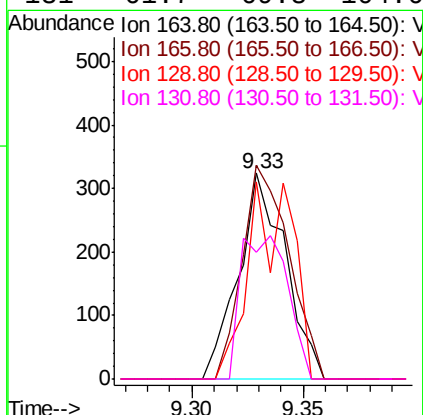
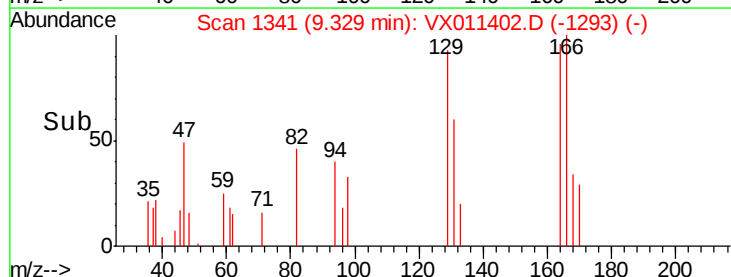
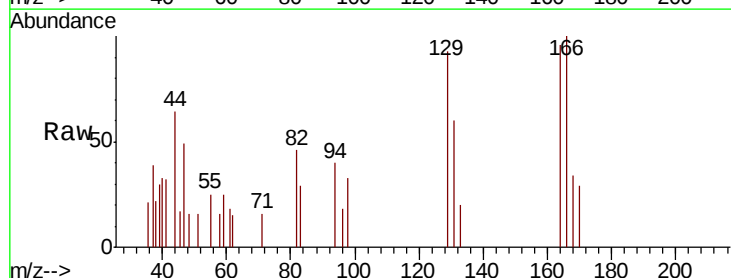
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-FD-0819

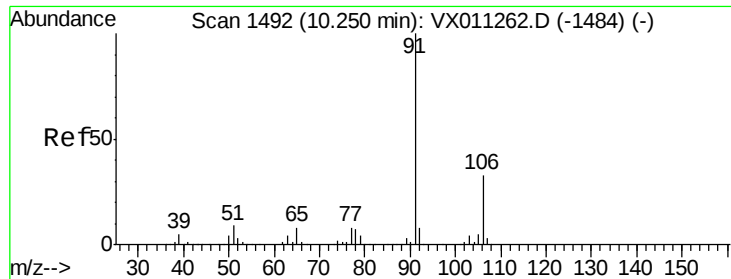
Tgt Ion:117 Resp: 246384
Ion Ratio Lower Upper
117 100
82 51.4 42.2 63.2
119 32.6 26.6 39.8



#64
Tetrachloroethene
Concen: 0.227 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

Tgt Ion:164 Resp: 475
Ion Ratio Lower Upper
164 100
166 103.7 107.5 161.3#
129 96.0 71.0 106.4
131 61.7 69.8 104.6#

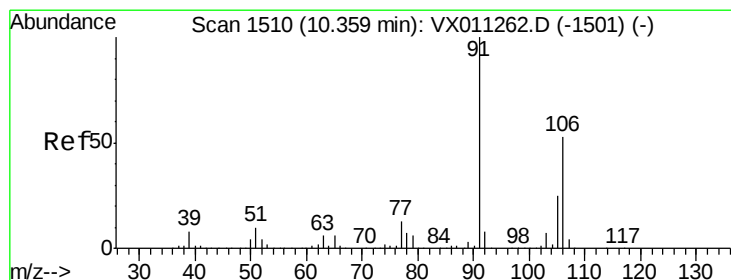
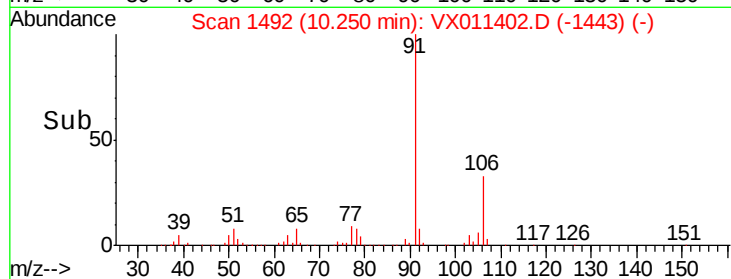
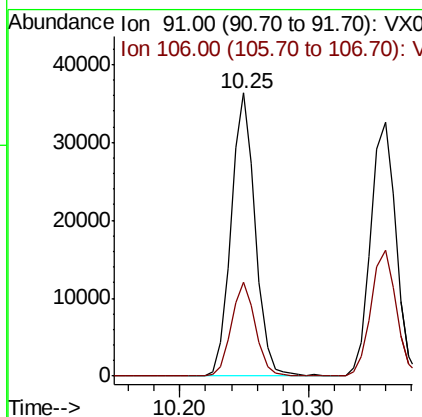
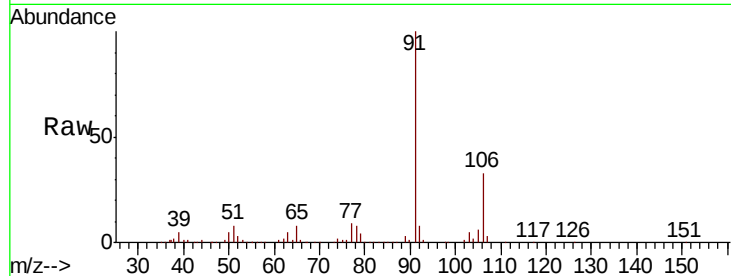




#67
Ethyl Benzene
Concen: 5.390 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

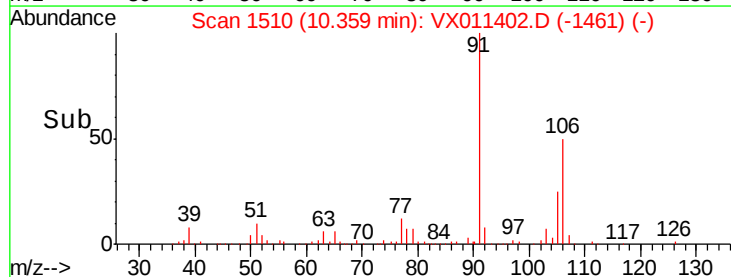
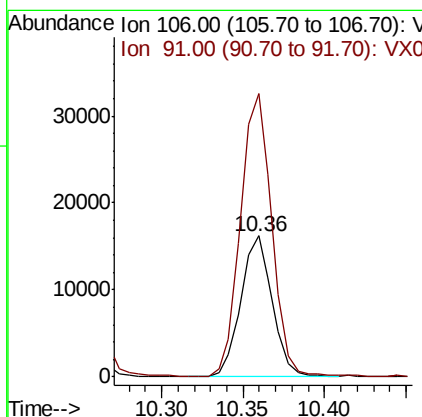
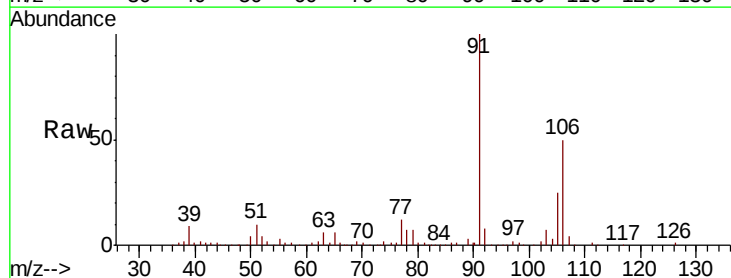
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-FD-0819

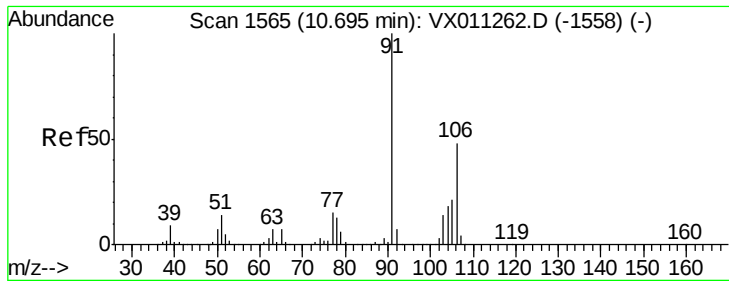
Tgt Ion: 91 Resp: 47683
Ion Ratio Lower Upper
91 100
106 33.1 26.2 39.4



#68
m/p-Xylenes
Concen: 6.351 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

Tgt Ion: 106 Resp: 21735
Ion Ratio Lower Upper
106 100
91 202.9 155.9 233.9

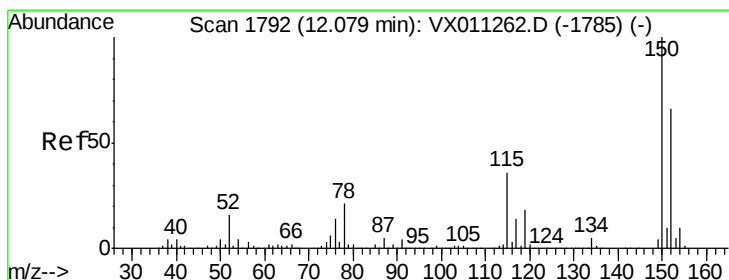
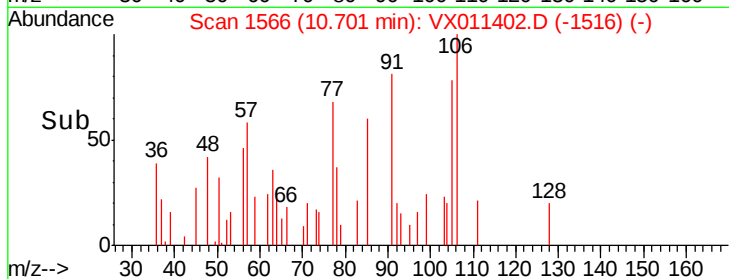
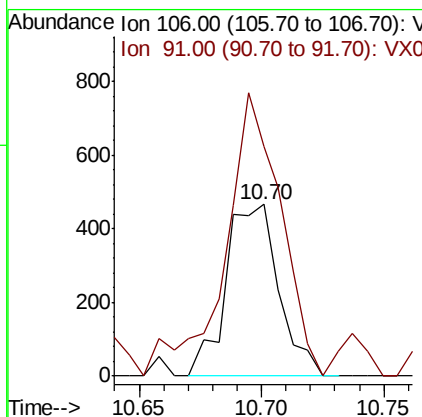
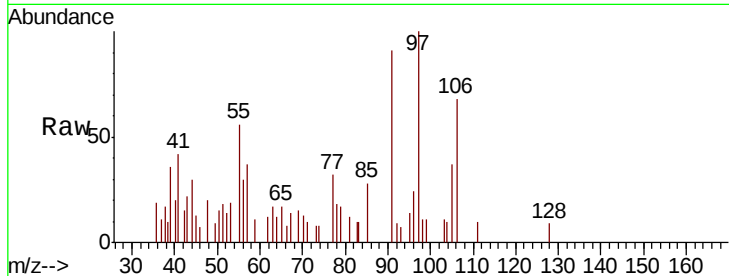




#69
o-Xylene
Concen: 0.209 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

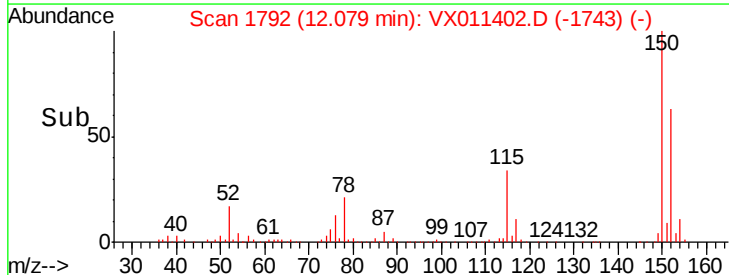
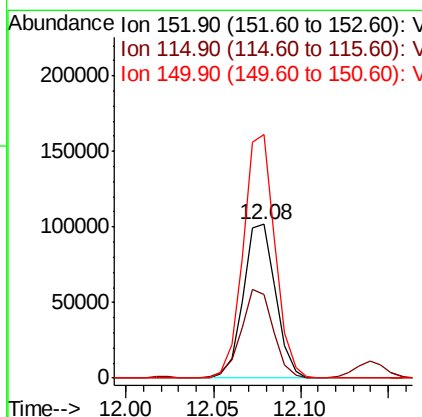
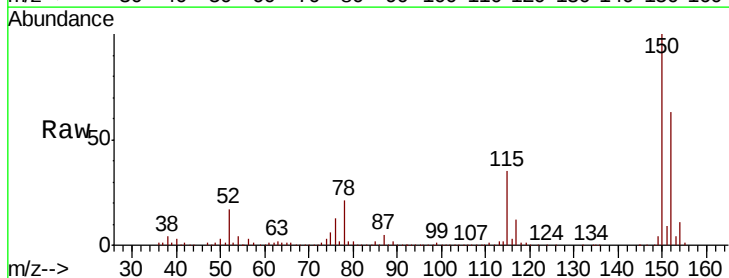
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-FD-0819

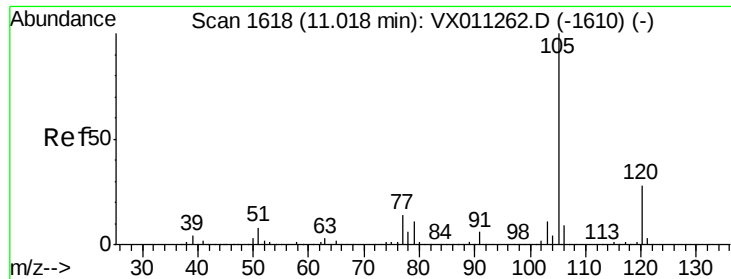
Tgt Ion:106 Resp: 702
Ion Ratio Lower Upper
106 100
91 174.1 103.8 311.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

Tgt Ion:152 Resp: 130258
Ion Ratio Lower Upper
152 100
115 57.2 40.0 119.9
150 156.1 0.0 350.4





#73

Isopropylbenzene

Concen: 7.498 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

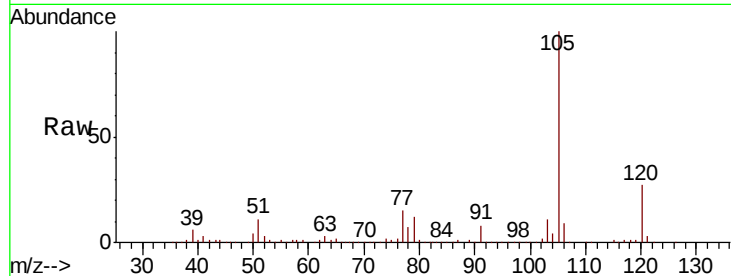
EP1-MW-FD-0819

Tgt Ion: 105 Resp: 66795

Ion Ratio Lower Upper

105 100

120 26.8 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

60000

50000

40000

30000

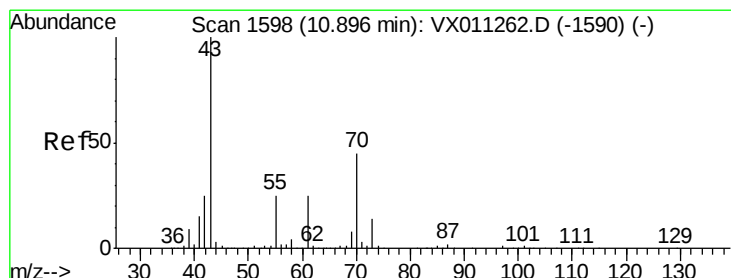
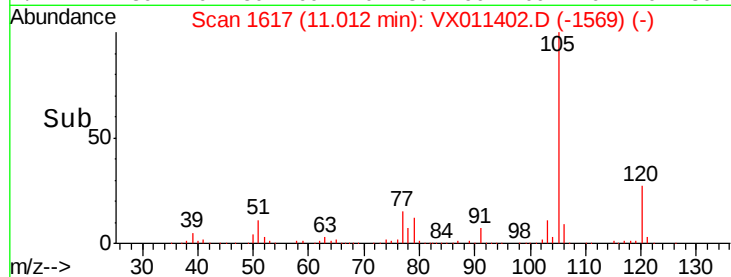
20000

10000

0

Time-->

10.95 11.00 11.05



#74

N-ethyl acetate

Concen: 0.357 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

Tgt Ion: 43 Resp: 1148

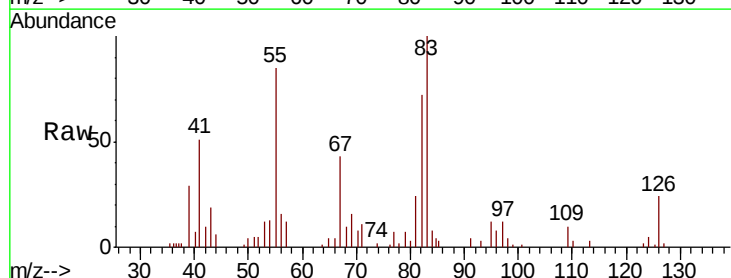
Ion Ratio Lower Upper

43 100

70 108.3 35.9 53.9#

55 455.7 19.8 29.6#

61 0.0 19.7 29.5#



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

5000

4000

3000

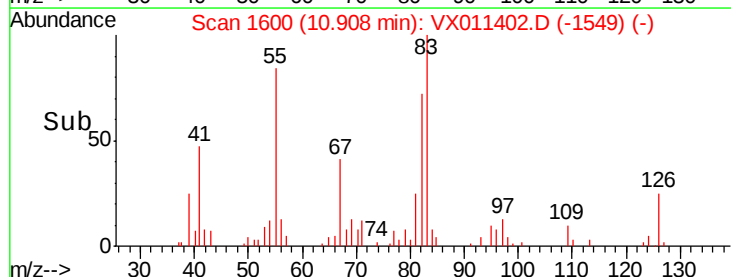
2000

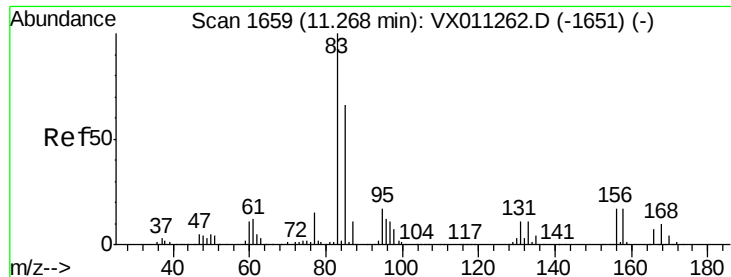
1000

0

Time-->

10.85 10.90 10.95





#75

1,1,2,2-Tetrachloroethane

Concen: 0.370 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-FD-0819

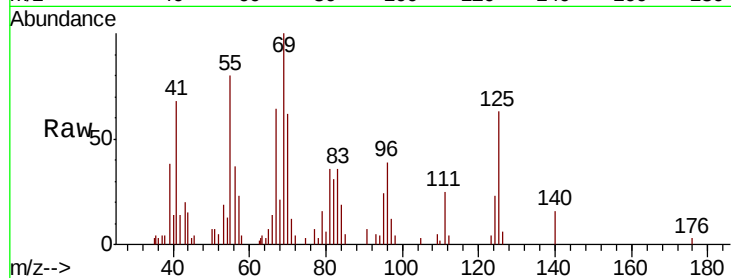
Tgt Ion: 83 Resp: 1097

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

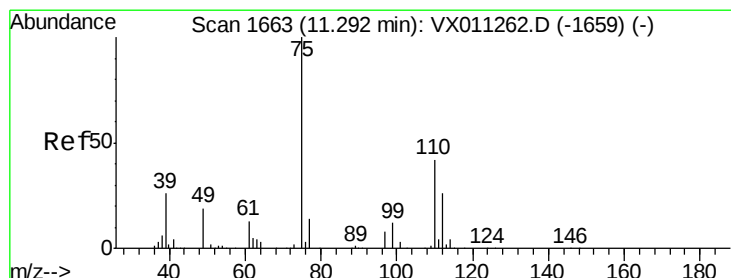
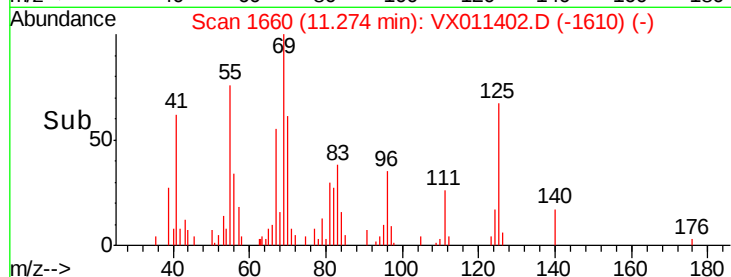
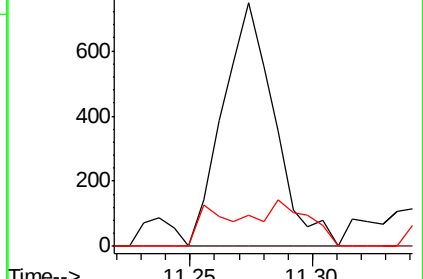
85 19.3 32.1 96.5#



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: 24.624 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011402.D

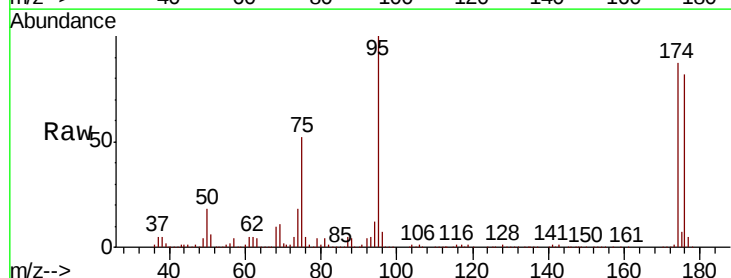
Acq: 09 Aug 2019 12:12

Tgt Ion: 75 Resp: 58411

Ion Ratio Lower Upper

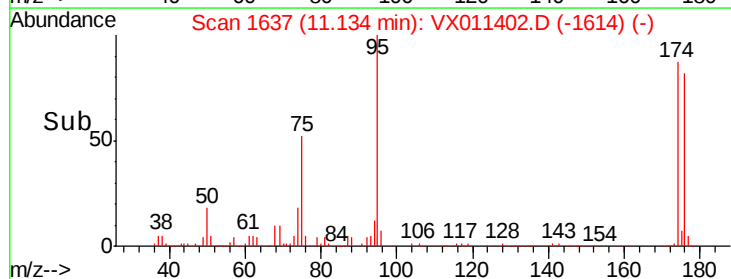
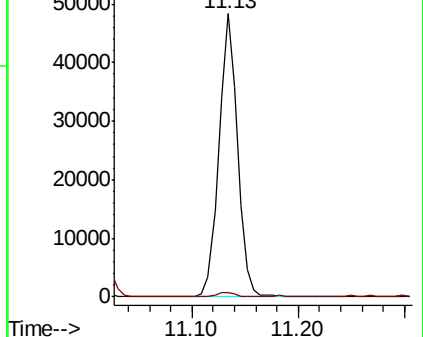
75 100

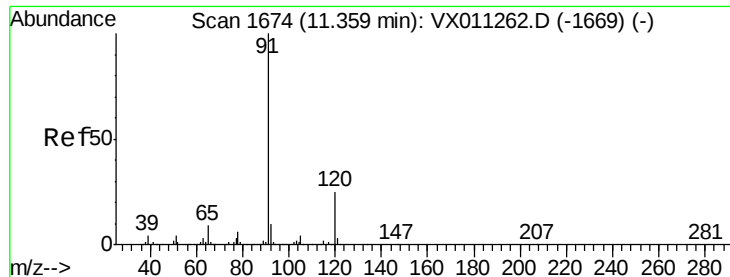
77 1.7 21.1 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 14.442 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

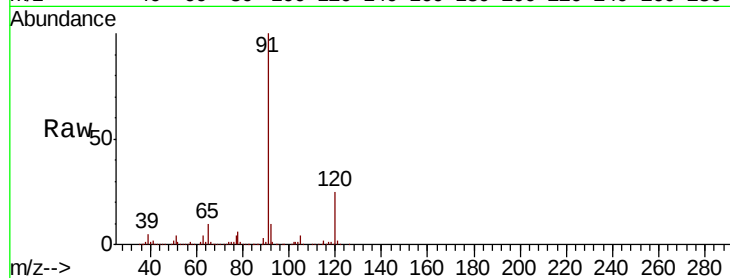
EP1-MW-FD-0819

Tgt Ion: 91 Resp: 143080

Ion Ratio Lower Upper

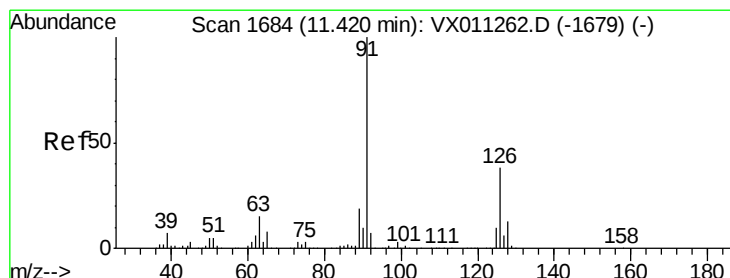
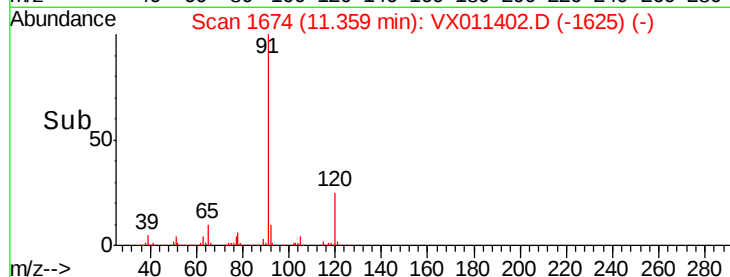
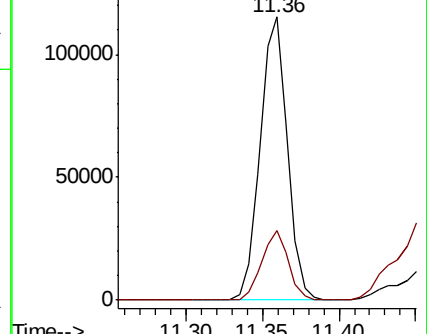
91 100

120 24.2 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 3.397 ug/l

RT: 11.45 min Scan# 1689

Delta R.T. 0.03 min

Lab File: VX011402.D

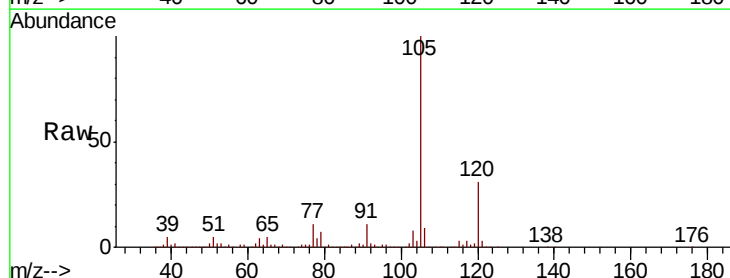
Acq: 09 Aug 2019 12:12

Tgt Ion: 91 Resp: 20059

Ion Ratio Lower Upper

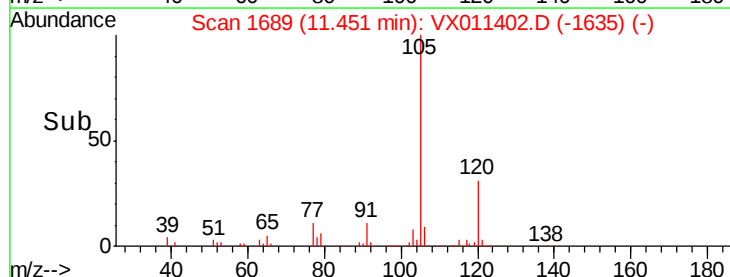
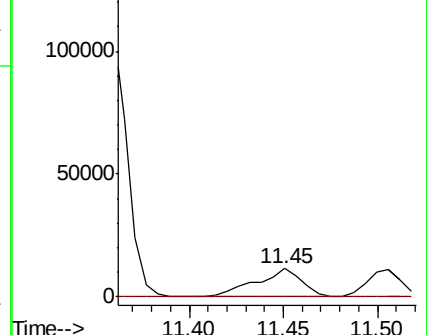
91 100

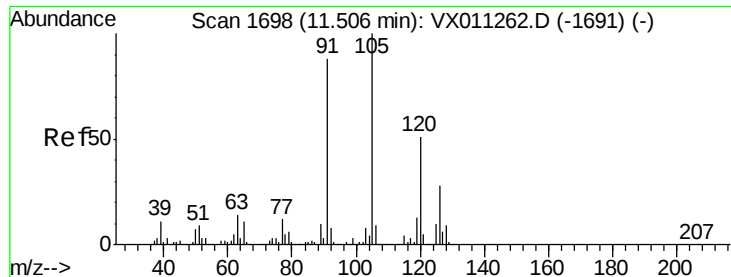
126 0.1 18.5 55.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 17.504 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

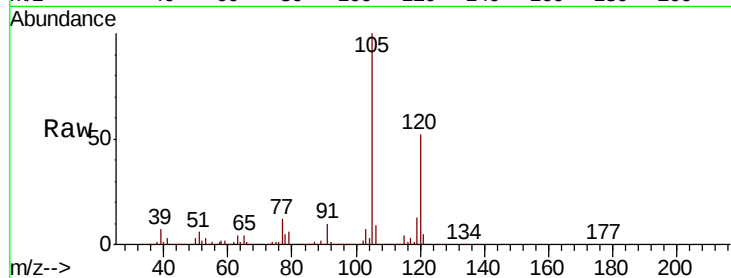
EP1-MW-FD-0819

Tgt Ion:105 Resp: 130536

Ion Ratio Lower Upper

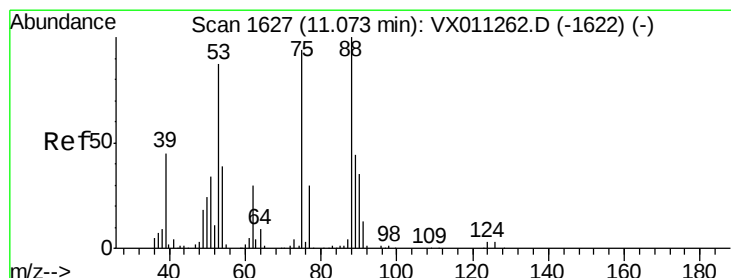
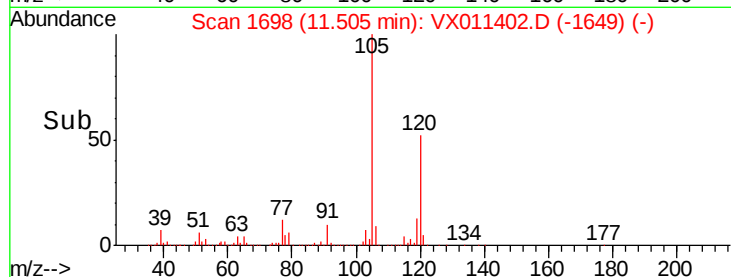
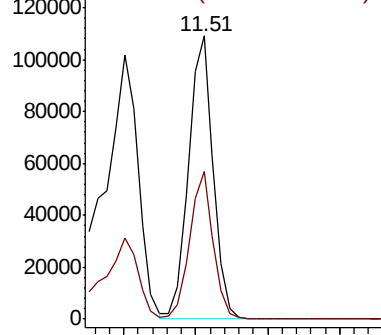
105 100

120 50.1 25.1 75.2



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: 64.325 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

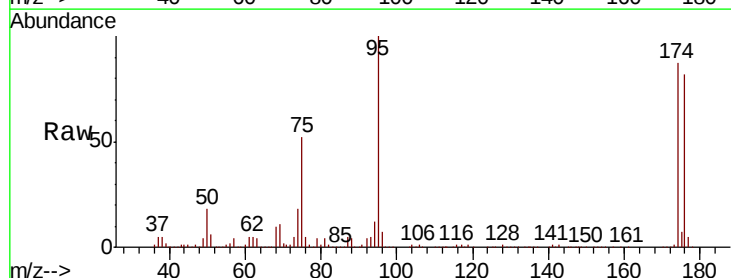
Tgt Ion: 75 Resp: 58411

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

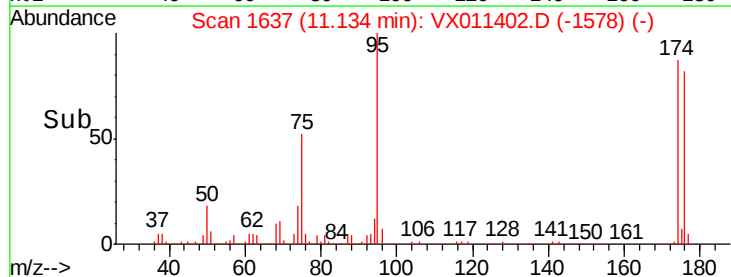
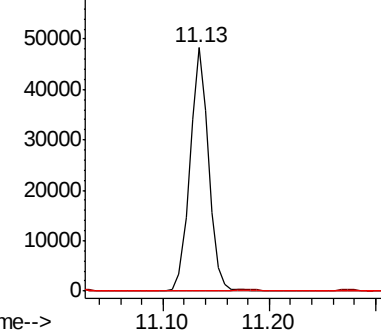
89 0.0 37.9 56.9#

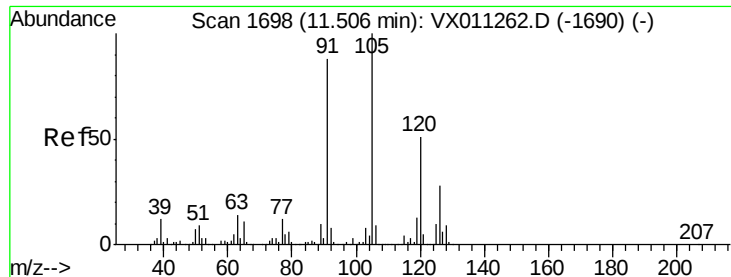


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

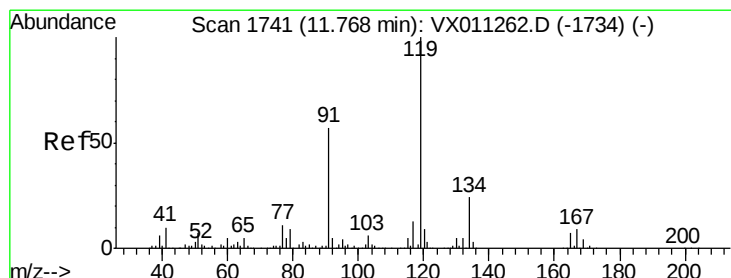
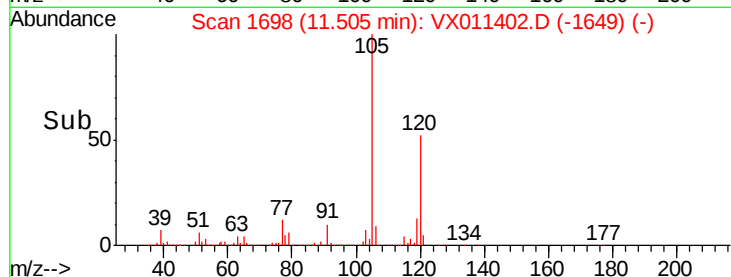
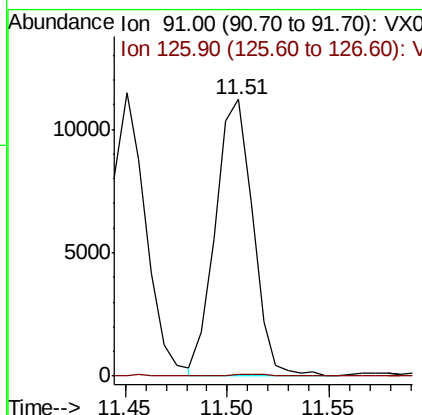
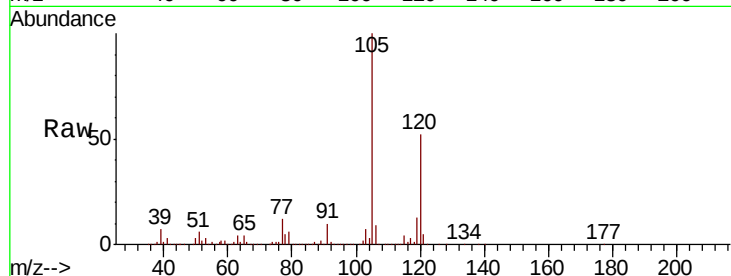




#82
4-Chlorotoluene
Concen: 2.078 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

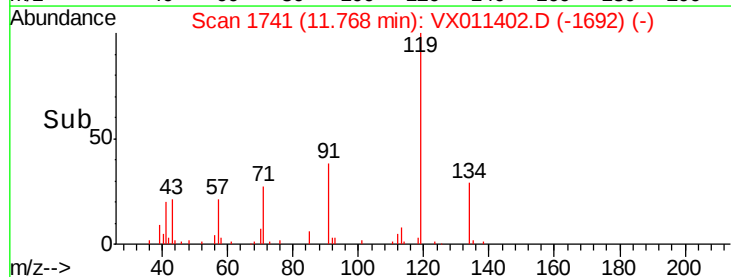
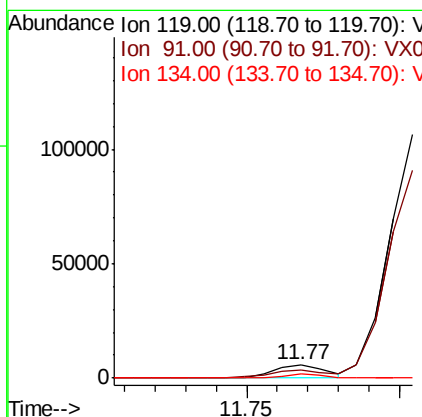
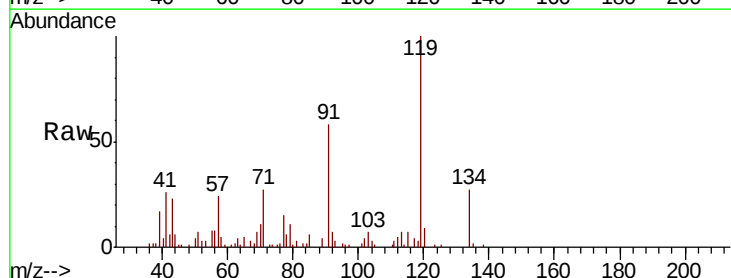
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-FD-0819

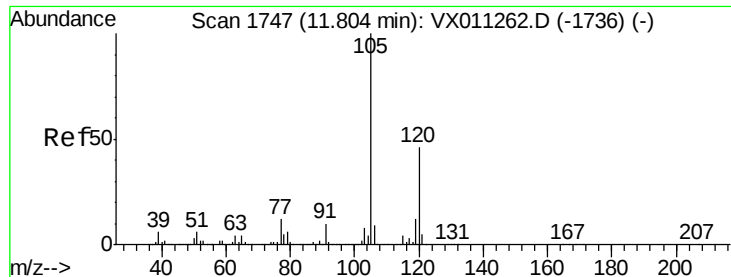
Tgt Ion: 91 Resp: 14297
Ion Ratio Lower Upper
91 100
126 0.7 16.4 49.2#



#83
tert-Butylbenzene
Concen: 0.933 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

Tgt Ion: 119 Resp: 6827
Ion Ratio Lower Upper
119 100
91 70.0 28.0 84.0
134 25.8 11.9 35.5





#84

1,2,4-Trimethylbenzene

Concen: 137.784 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

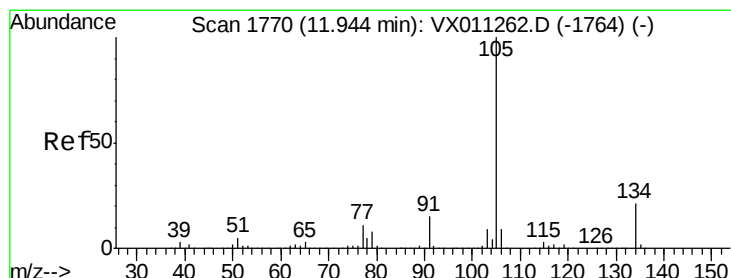
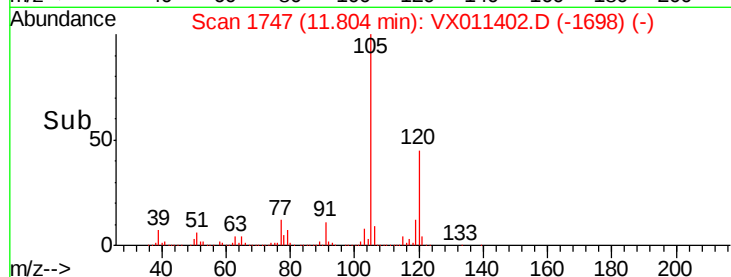
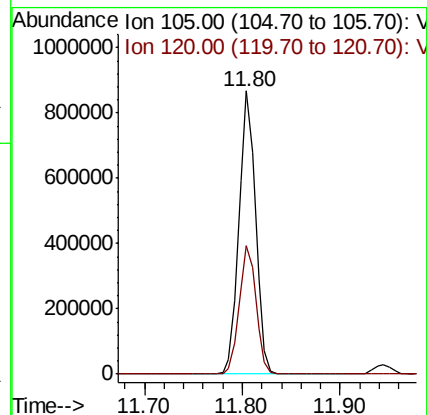
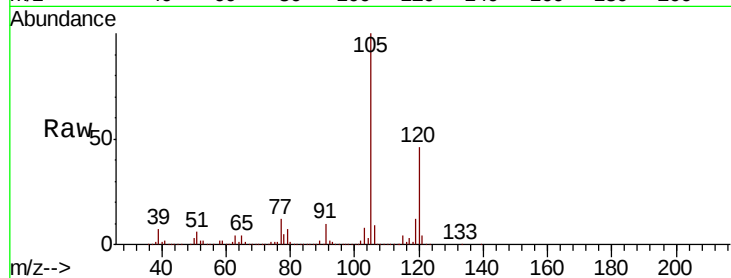
EP1-MW-FD-0819

Tgt Ion:105 Resp: 1023037

Ion Ratio Lower Upper

105 100

120 46.1 23.0 69.0



#85

sec-Butylbenzene

Concen: 4.052 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011402.D

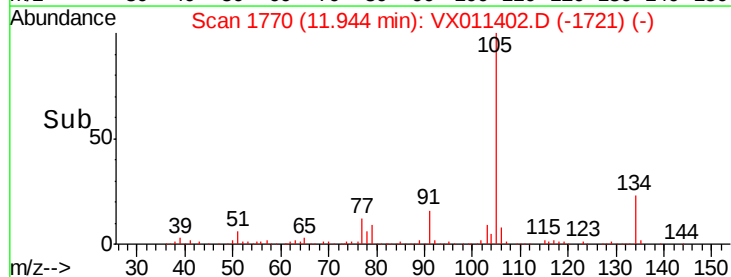
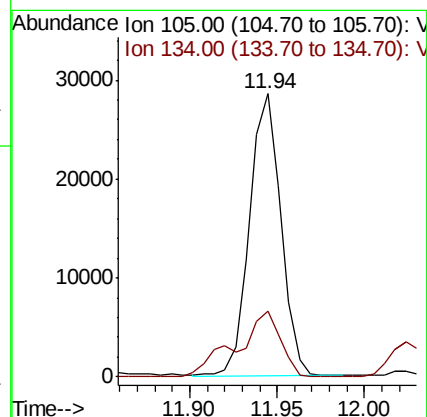
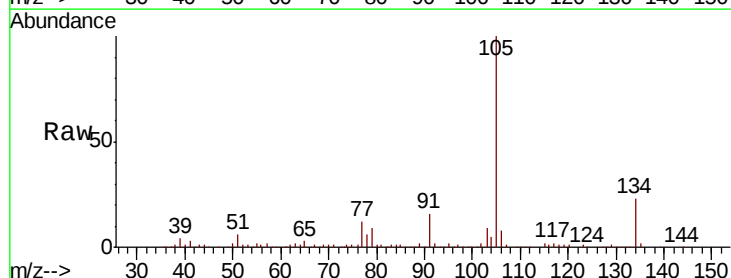
Acq: 09 Aug 2019 12:12

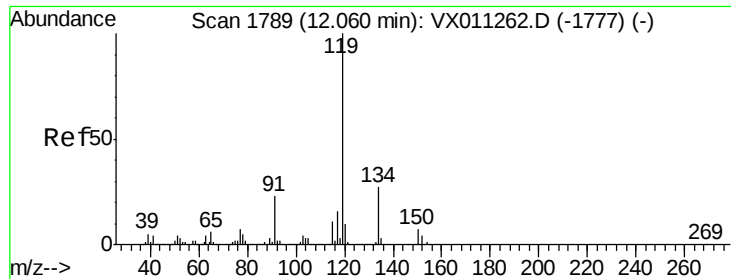
Tgt Ion:105 Resp: 35604

Ion Ratio Lower Upper

105 100

134 32.9 10.4 31.4#

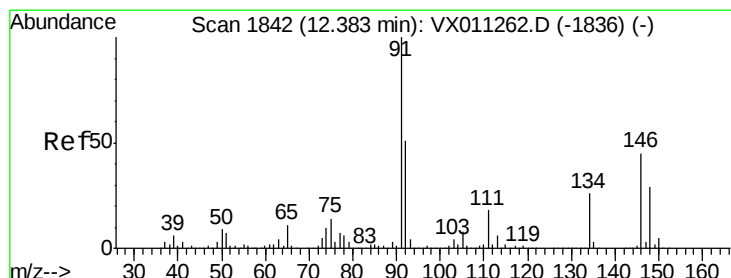
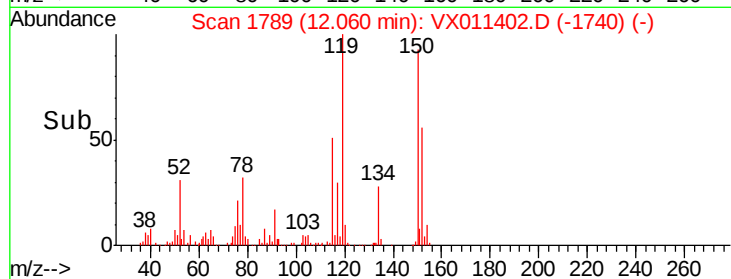
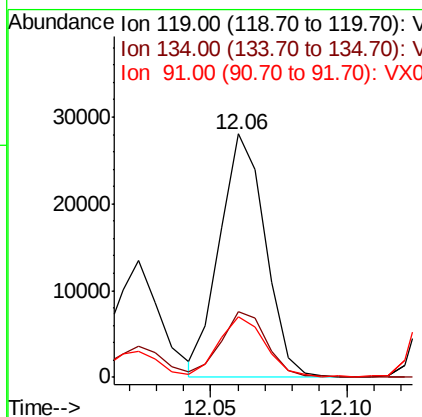
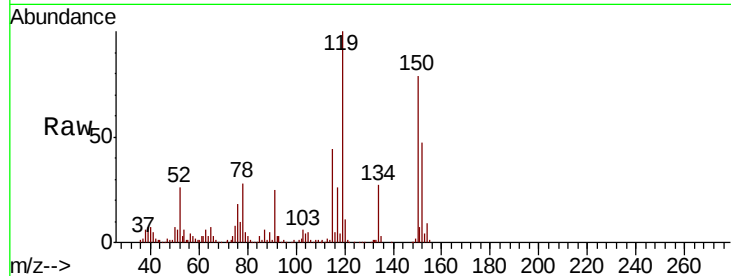




#86
p-Isopropyltoluene
Concen: 4.014 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

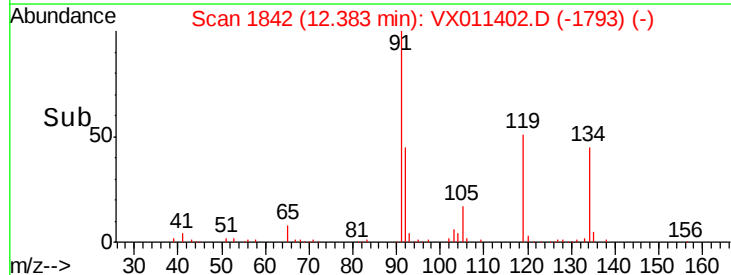
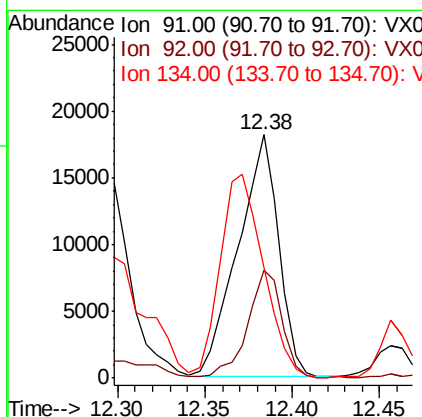
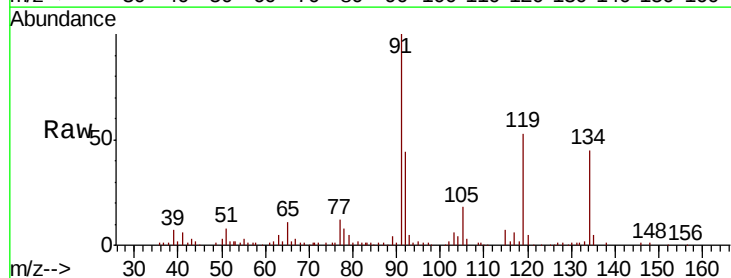
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-FD-0819

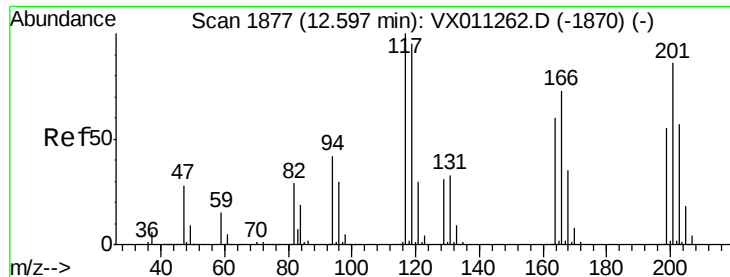
Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.7	41.0
91	24.9	11.4	34.2



#89
n-Butylbenzene
Concen: 4.212 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	37.8	25.8	77.3
134	89.8	13.7	41.0





#90

Hexachloroethane

Concen: 3.239 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

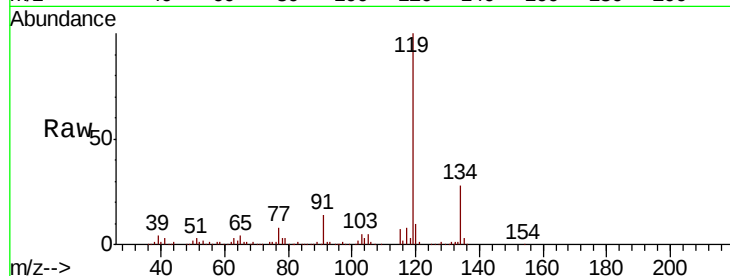
EP1-MW-FD-0819

Tgt Ion: 117 Resp: 3871

Ion Ratio Lower Upper

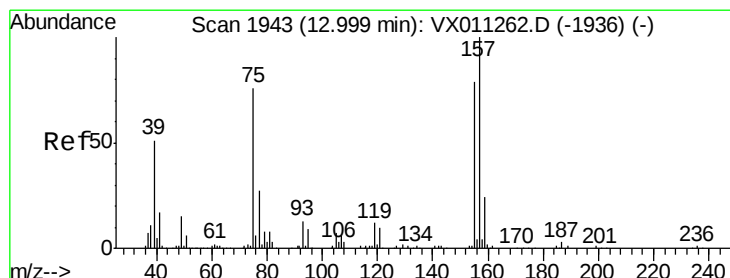
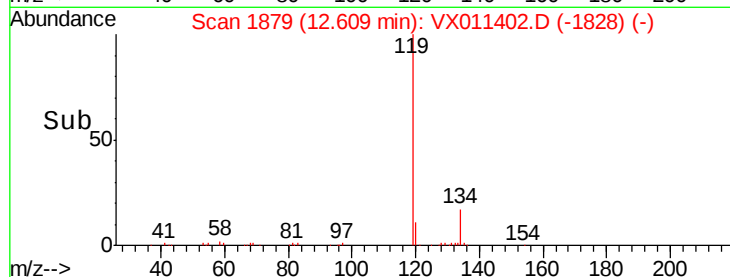
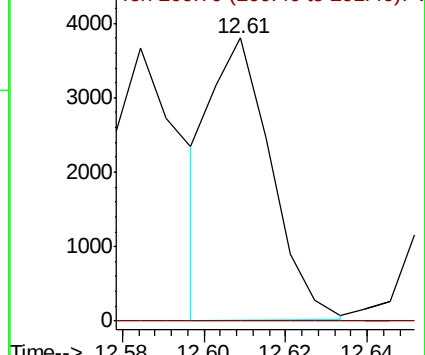
117 100

201 0.0 41.8 125.4#



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: 0.899 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX011402.D

Acq: 09 Aug 2019 12:12

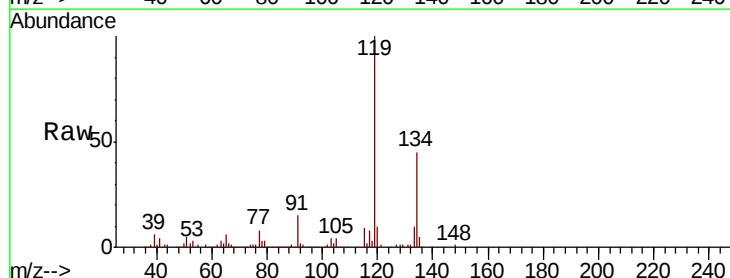
Tgt Ion: 75 Resp: 517

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.8#

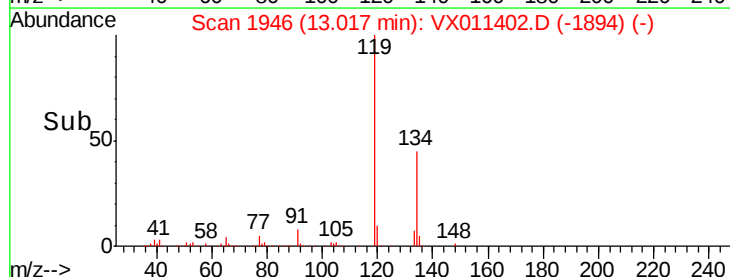
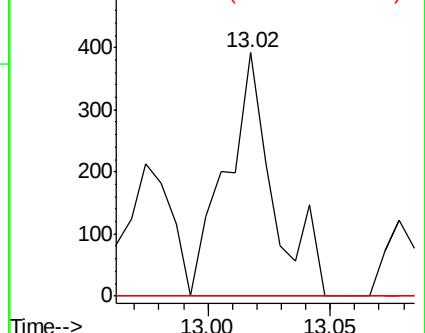
157 0.0 64.3 192.7#

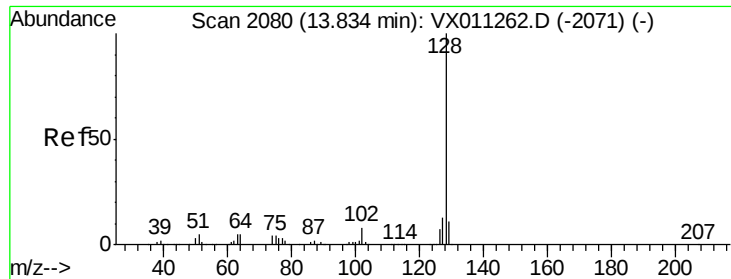


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 1.448 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011402.D
Acq: 09 Aug 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-FD-0819

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.9	13.3

