

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100620\
 Data File : VX018805.D
 Acq On : 06 Oct 2020 17:39
 Operator : JC/SP
 Sample : L4239-04DL2 2000X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N3DL2

Quant Time: Oct 07 01:33:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 07 01:30:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	111817	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	110532	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	54757	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	31834	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	1.70	69	29655	5.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.00%
11) 1,1-Dichloroethene-d2	2.34	63	56287	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	4.56	46	120092	70.09	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	140.18%#
24) Chloroform-d	5.14	84	85281	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	6.03	65	51472	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
32) Benzene-d6	6.05	84	154829	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.80%
36) 1,2-Dichloropropane-d6	7.37	67	46825	5.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	118.00%
41) Toluene-d8	8.70	98	131391	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
45) trans-1,3-Dichloropropene-	8.99	79	21969	5.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.80%
48) 2-Hexanone-d5	9.43	63	97126	67.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	135.66%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	38670	5.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	57685	5.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.20%

Target Compounds

				Ovalue	
12) 1,1-Dichloroethene	2.34	96	966	0.173 ug/L #	1
15) Methyl Acetate	2.75	43	250	0.109 ug/L #	47
16) Methylene chloride	2.83	84	1529	0.226 ug/L	89
22) cis-1,2-Dichloroethene	4.56	96	14839	2.413 ug/L #	94
29) 1,1,1-Trichloroethane	5.46	97	53738	4.110 ug/L	99
35) Methylcyclohexane	7.37	83	12775	1.319 ug/L #	20
37) 1,2-Dichloropropane	7.37	63	5886	1.015 ug/L #	82
39) cis-1,3-Dichloropropene	8.37	75	1785	0.193 ug/L #	46
42) Toluene	8.76	91	236581	9.341 ug/L	99
43) 1,3,5-Trimethylbenzene	11.79	105	3377	0.141 ug/L	98
44) 1,2,4-Trimethylbenzene	11.79	105	3377	0.139 ug/L	93
50) 2-Hexanone	9.43	43	11690	4.791 ug/L #	70
55) m,p-xylene	10.34	106	1802	0.163 ug/L	71
56) o-xylene	10.68	106	1313	0.128 ug/L	96
70) Naphthalene	13.82	128	763	0.055 ug/L #	86

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 07 01:30:09 2020
Response via : Initial Calibration

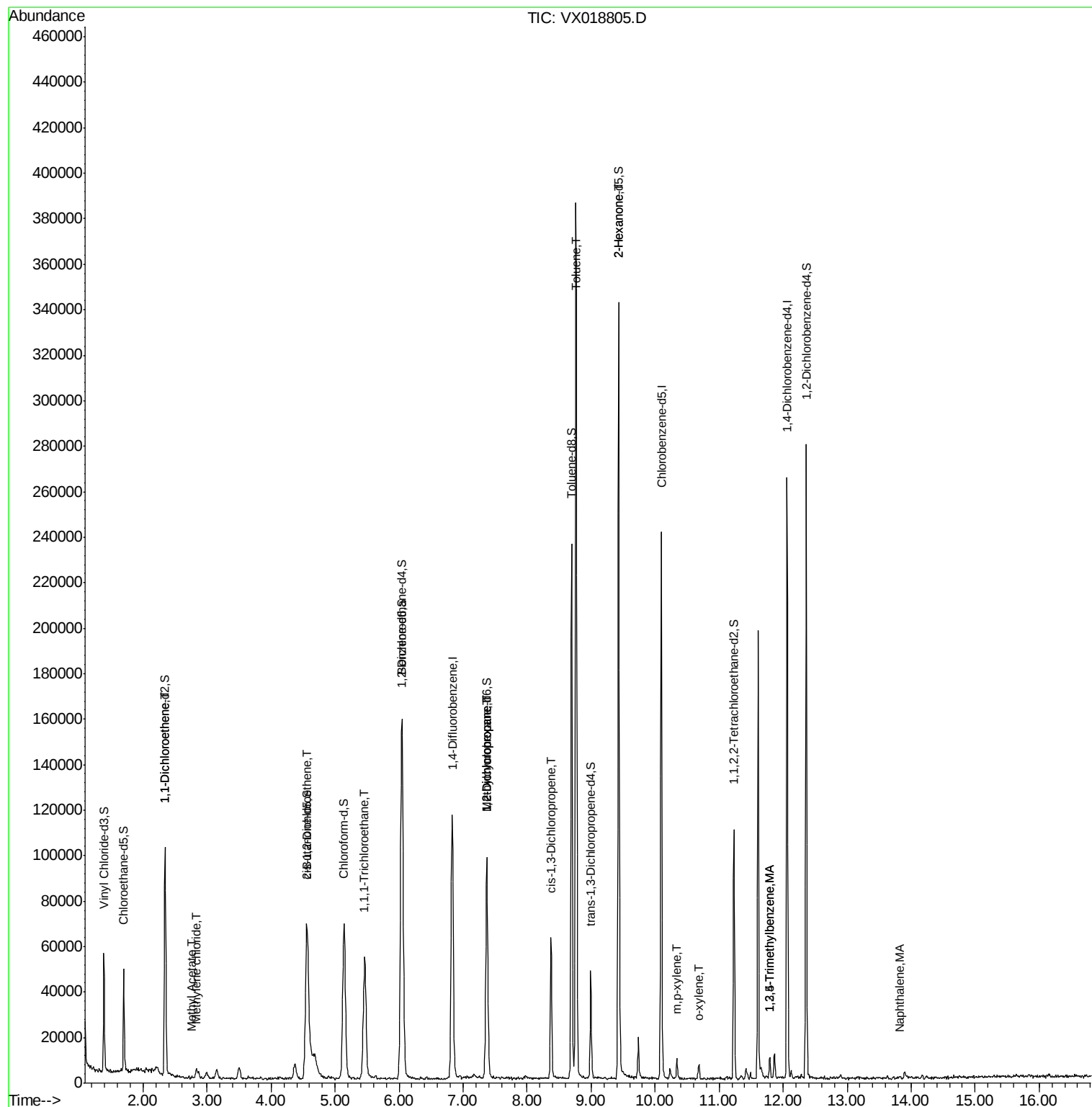
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

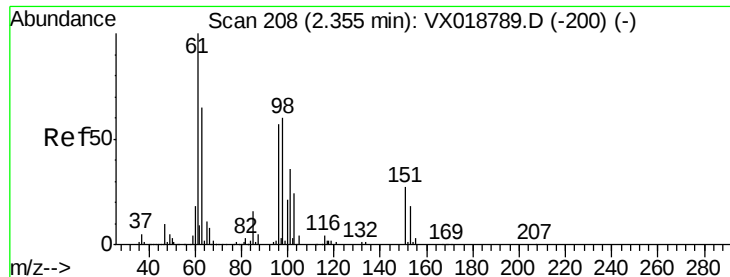
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100620\
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QLast Update : Wed Oct 07 01:30:09 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.173 ug/L

RT: 2.34 min Scan# 205

Delta R.T. -0.02 min

Lab File: VX018805.D

Acq: 06 Oct 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

BG3N3DL2

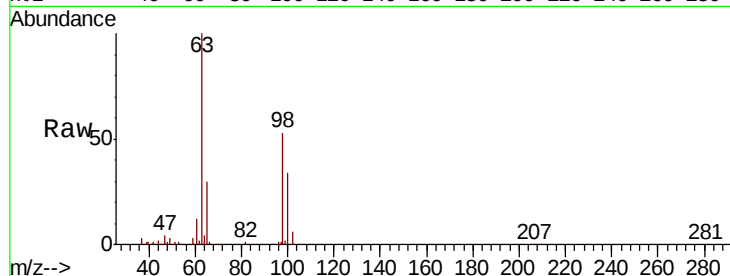
Tot Ion: 96 Resp: 966

Ion Ratio Lower Upper

96 100

61 804.4 133.2 247.4#

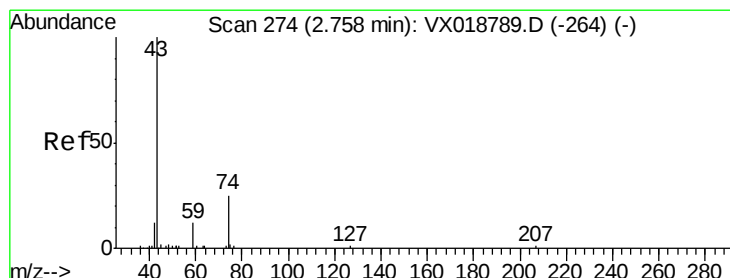
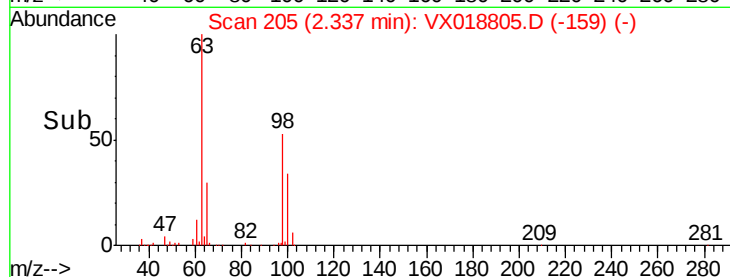
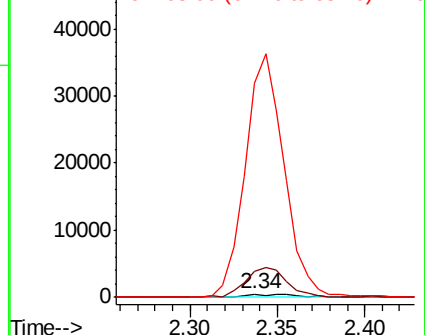
63 6743.3 115.1 213.7#



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0



#15

Methyl Acetate

Concen: 0.109 ug/L

RT: 2.75 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX018805.D

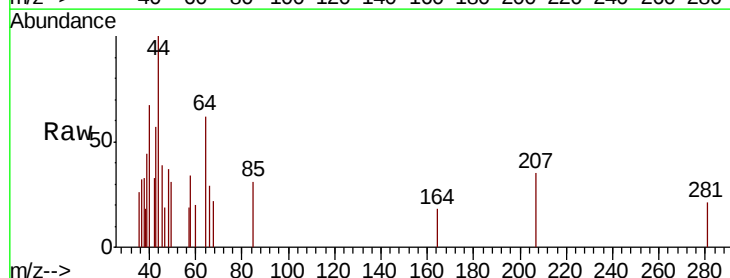
Acq: 06 Oct 2020 17:39

Tgt Ion: 43 Resp: 250

Ion Ratio Lower Upper

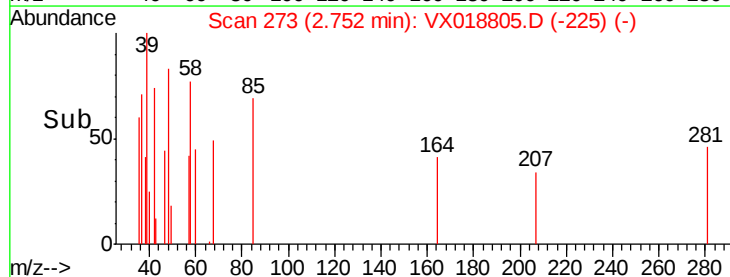
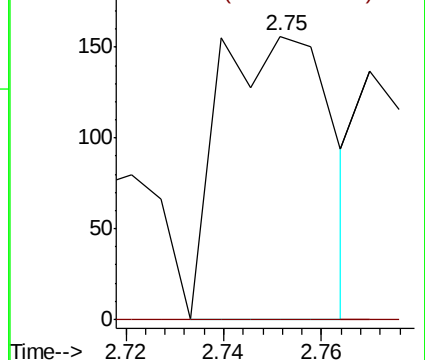
43 100

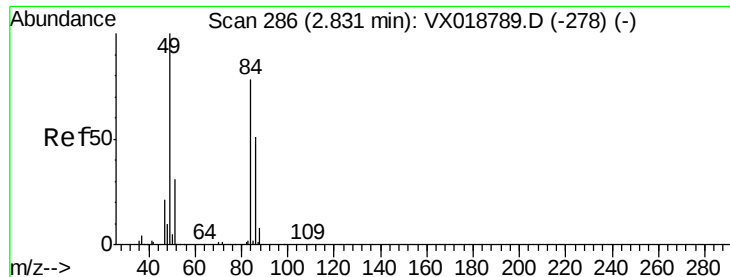
74 0.0 21.9 32.9#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0

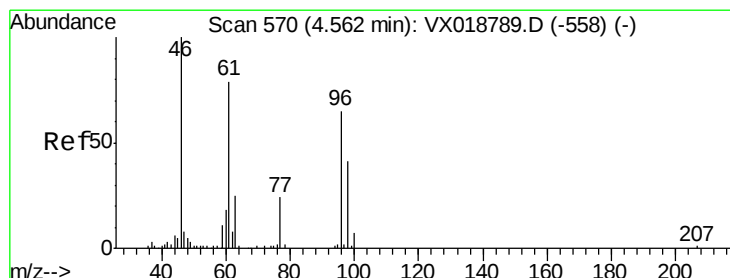
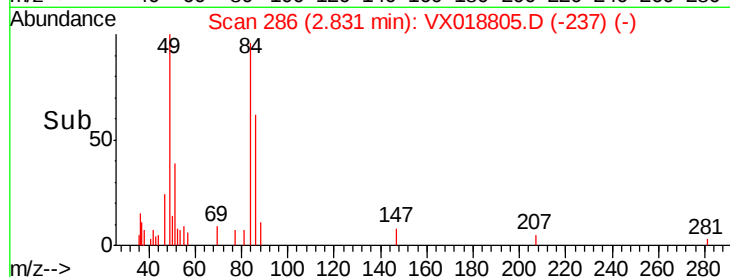
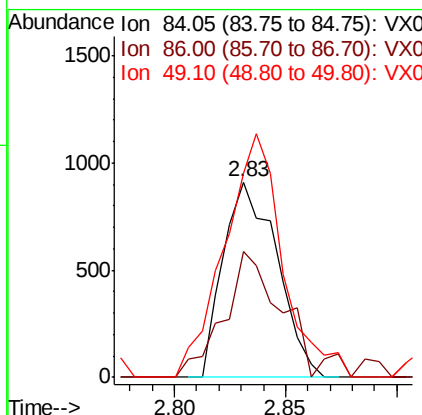
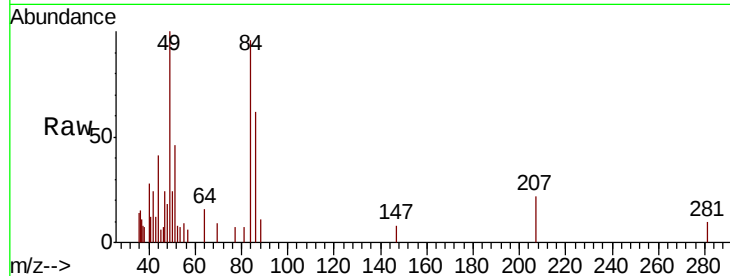




#16
Methylene chloride
Concen: 0.226 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018805.D
Acq: 06 Oct 2020 17:39

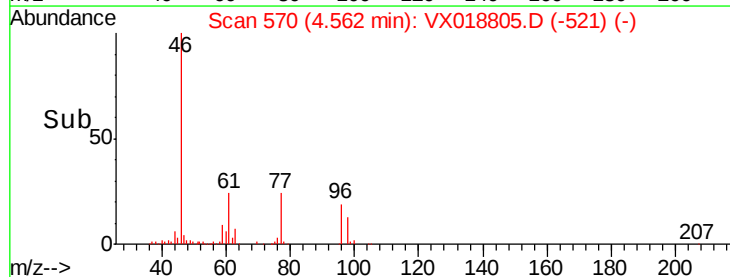
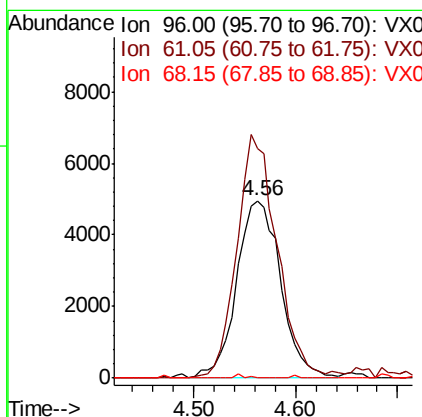
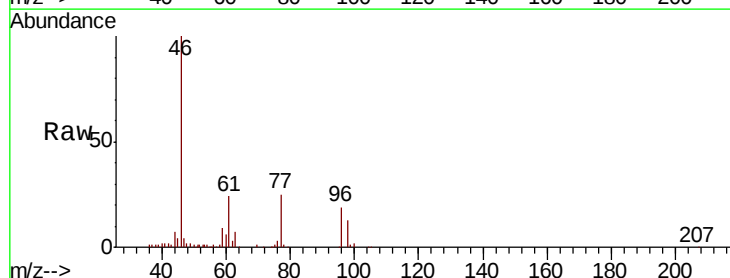
Instrument :
MSVOA_X
ClientSampled :
BG3N3DL2

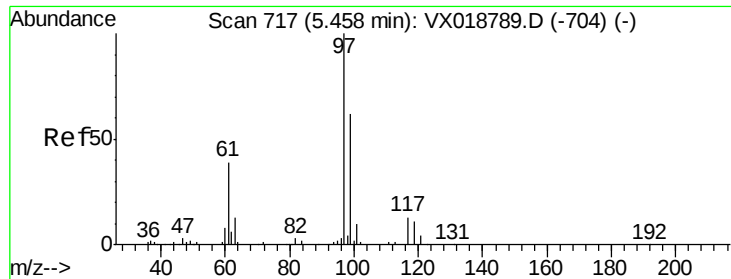
Tot Ion: 84 Resp: 1529
Ion Ratio Lower Upper
84 100
86 64.5 45.6 84.8
49 104.4 85.8 159.3



#22
cis-1,2-Dichloroethene
Concen: 2.413 ug/L
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX018805.D
Acq: 06 Oct 2020 17:39

Tgt Ion: 96 Resp: 14839
Ion Ratio Lower Upper
96 100
61 129.6 86.2 160.0
68 0.0 0.3 0.7#

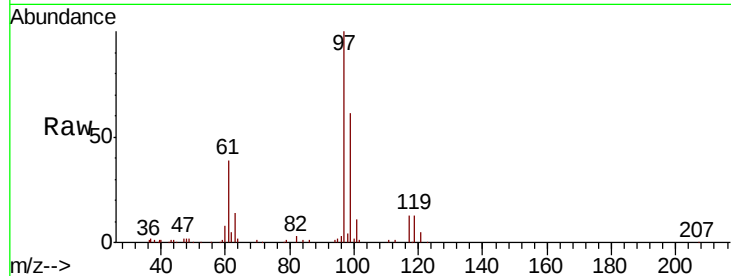




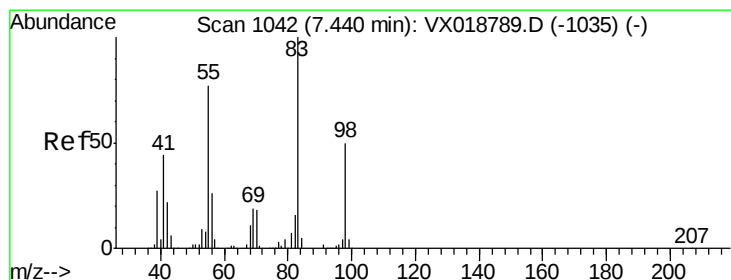
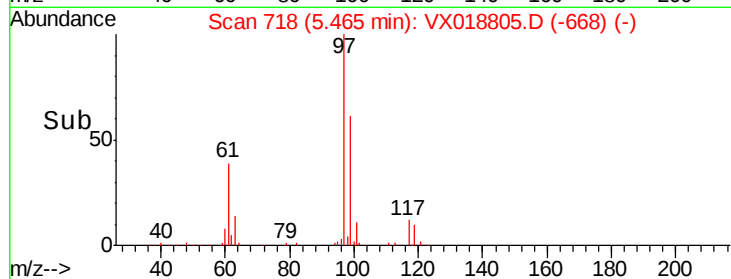
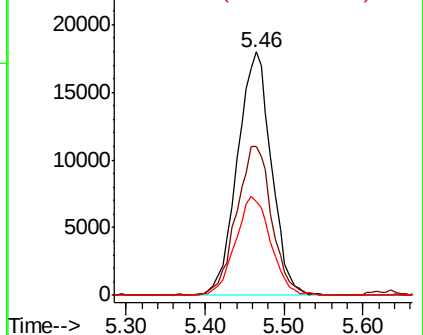
#29
 1,1,1-Trichloroethane
 Concen: 4.110 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX018805.D
 Acq: 06 Oct 2020 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N3DL2

Tot Ion	97	Resp	53738
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.3	76.9
61	42.2	33.3	49.9

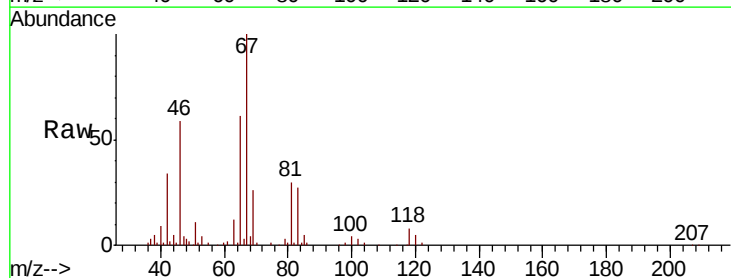


Abundance Ion 96.95 (96.65 to 97.65): VX0
 Ion 99.05 (98.75 to 99.75): VX0
 Ion 61.05 (60.75 to 61.75): VX0

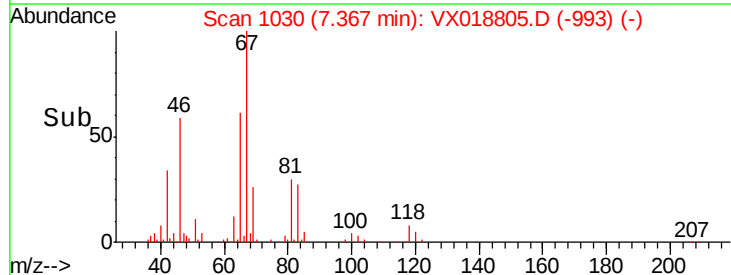
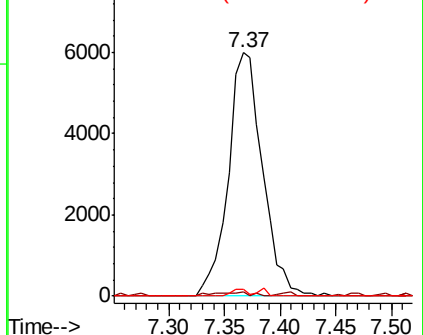


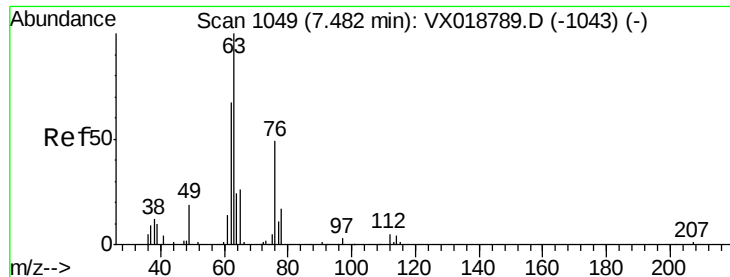
#35
 Methylcyclohexane
 Concen: 1.319 ug/L
 RT: 7.37 min Scan# 1030
 Delta R.T. -0.07 min
 Lab File: VX018805.D
 Acq: 06 Oct 2020 17:39

Tgt Ion	83	Resp	12775
Ion Ratio	Lower	Upper	
83	100		
55	1.0	60.3	90.5#
98	1.3	39.4	59.0#



Abundance Ion 83.15 (82.85 to 83.85): VX0
 Ion 55.10 (54.80 to 55.80): VX0
 Ion 98.15 (97.85 to 98.85): VX0





#37

1,2-Dichloropropane

Concen: 1.015 ug/L

RT: 7.37 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VX018805.D

Acq: 06 Oct 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

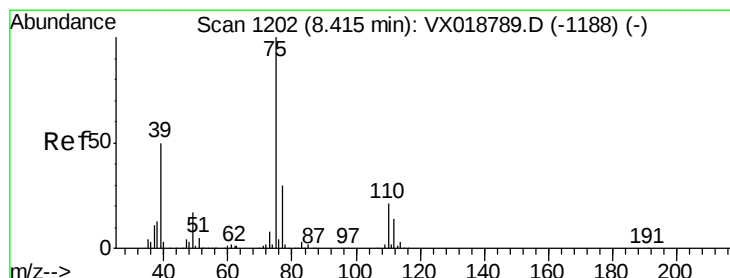
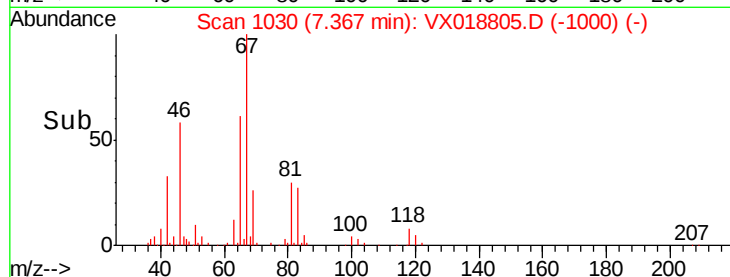
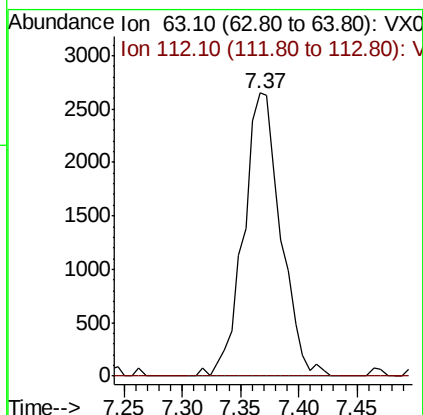
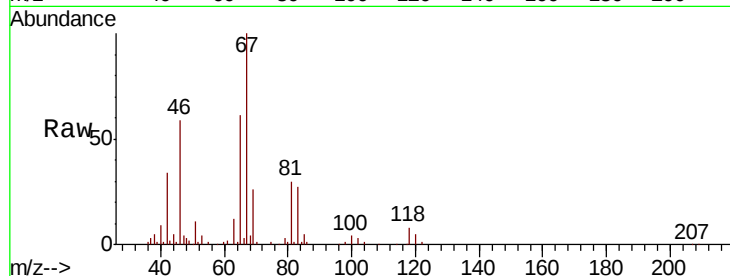
BG3N3DL2

Tot Ion: 63 Resp: 5886

Ion Ratio Lower Upper

63 100

112 0.0 4.7 7.1#



#39

cis-1,3-Dichloropropene

Concen: 0.193 ug/L

RT: 8.37 min Scan# 1195

Delta R.T. -0.04 min

Lab File: VX018805.D

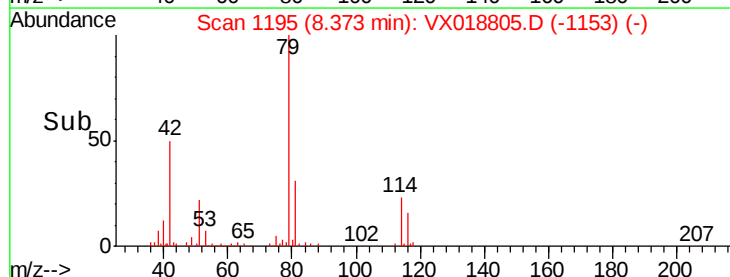
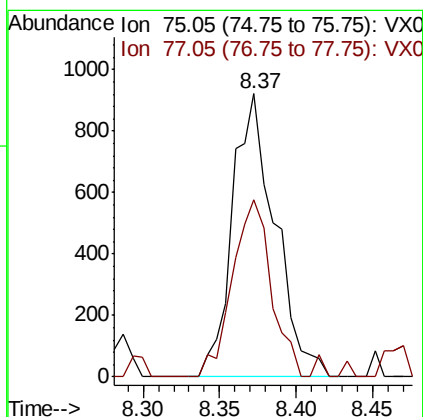
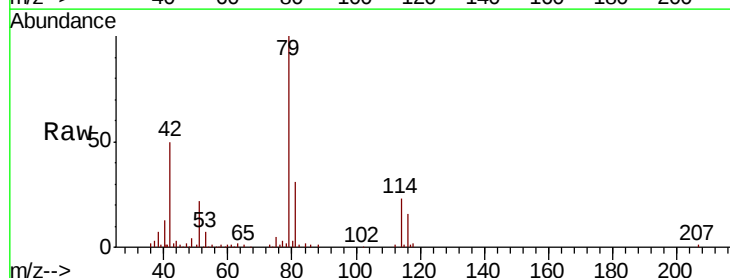
Acq: 06 Oct 2020 17:39

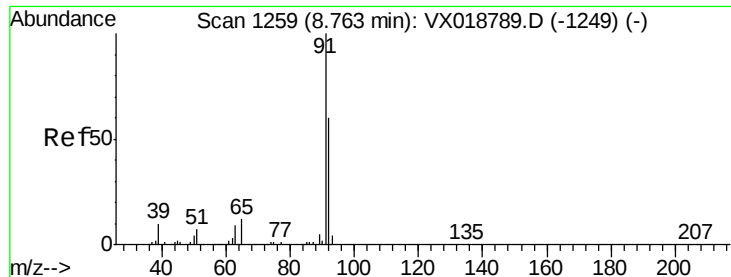
Tgt Ion: 75 Resp: 1785

Ion Ratio Lower Upper

75 100

77 62.4 22.5 41.7#





#42

Toluene

Concen: 9.341 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018805.D

Acq: 06 Oct 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

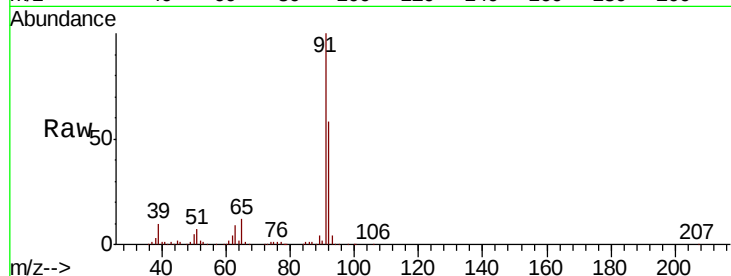
BG3N3DL2

Tot Ion: 91 Resp: 236581

Ion Ratio Lower Upper

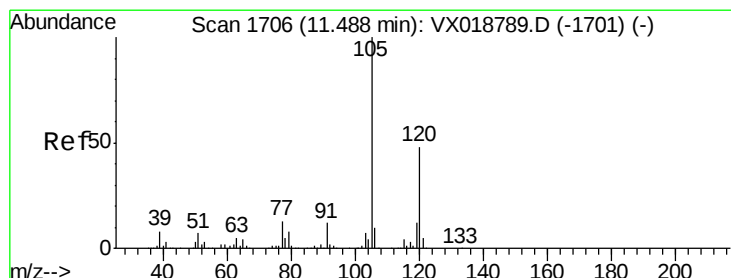
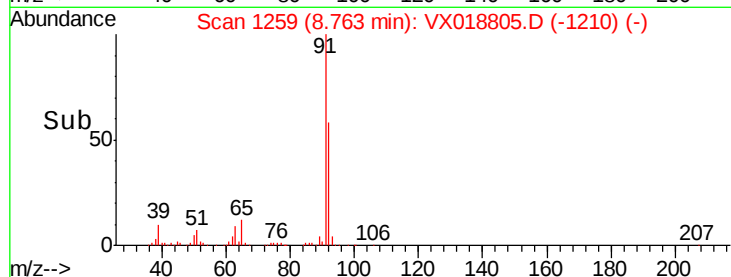
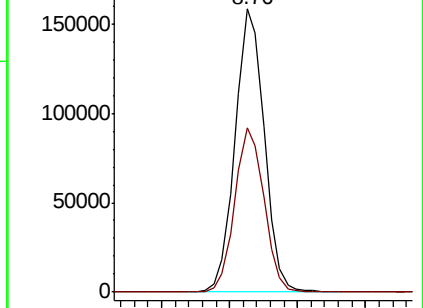
91 100

92 58.2 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0



#43

1,3,5-Trimethylbenzene

Concen: 0.141 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.30 min

Lab File: VX018805.D

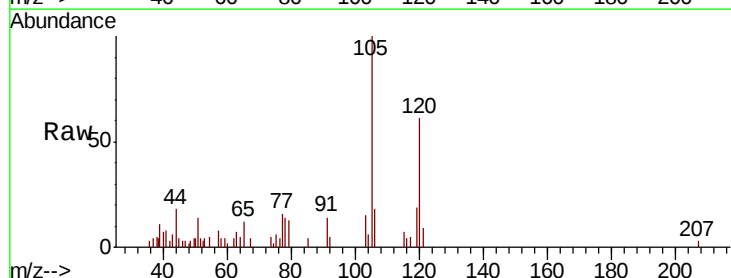
Acq: 06 Oct 2020 17:39

Tgt Ion:105 Resp: 3377

Ion Ratio Lower Upper

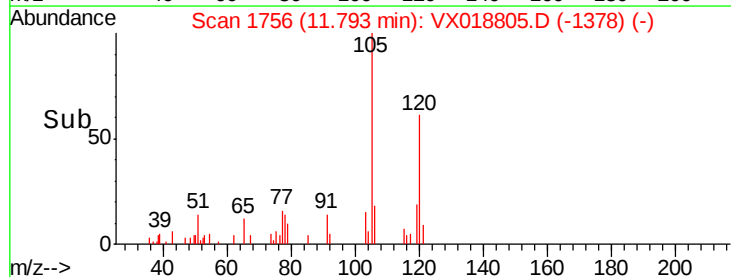
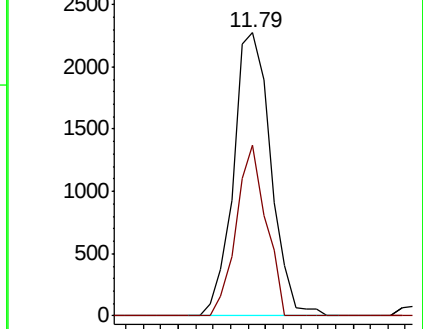
105 100

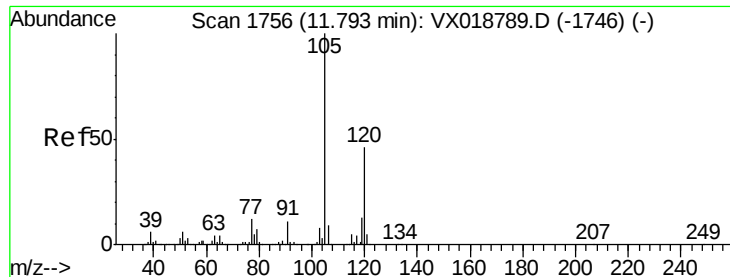
120 48.2 37.7 56.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#44

1,2,4-Trimethylbenzene

Concen: 0.139 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018805.D

Acq: 06 Oct 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

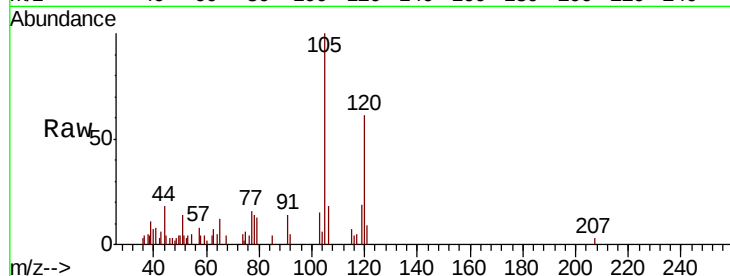
BG3N3DL2

Tot Ion:105 Resp: 3377

Ion Ratio Lower Upper

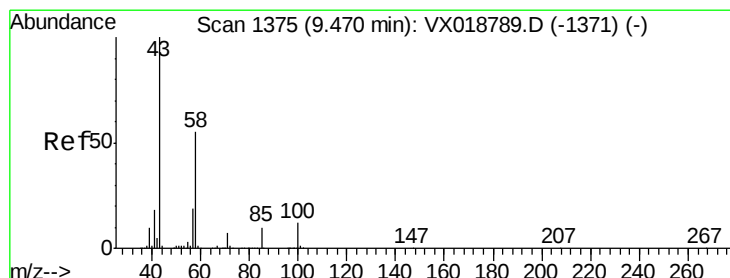
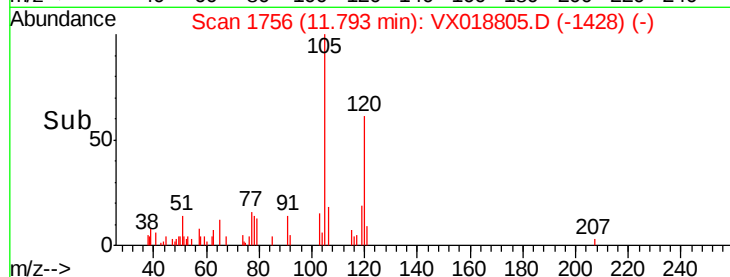
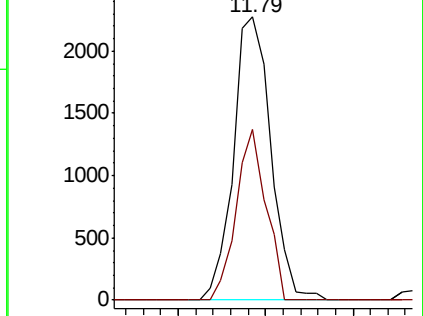
105 100

120 48.2 35.1 52.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#50

2-Hexanone

Concen: 4.791 ug/L

RT: 9.43 min Scan# 1368

Delta R.T. -0.04 min

Lab File: VX018805.D

Acq: 06 Oct 2020 17:39

Tgt Ion: 43 Resp: 11690

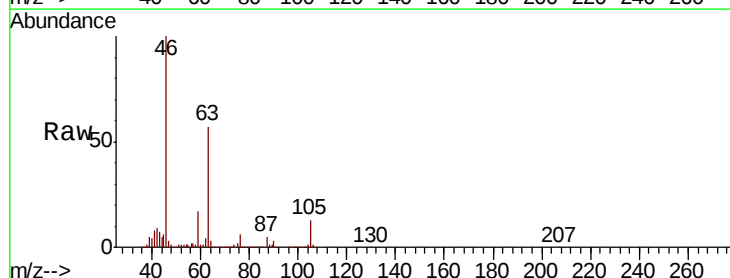
Ion Ratio Lower Upper

43 100

58 29.1 41.0 61.4#

57 30.9 15.9 23.9#

100 0.3 10.1 15.1#

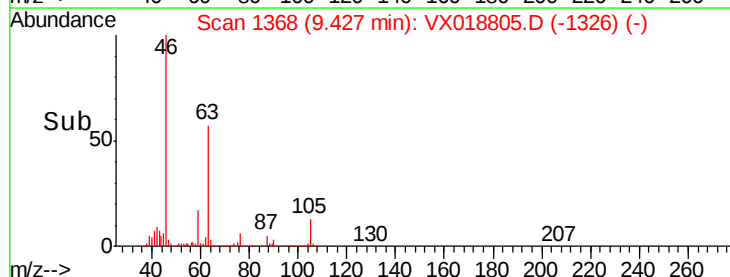
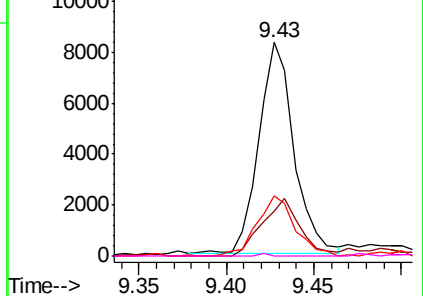


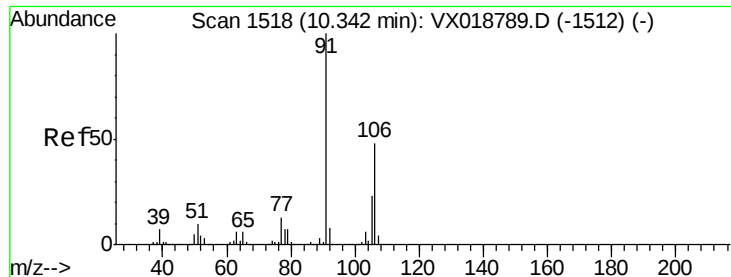
Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 57.20 (56.90 to 57.90): VX0

Ion 100.15 (99.85 to 100.85): VX0





#55

m,p-xylene

Concen: 0.163 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018805.D

Acq: 06 Oct 2020 17:39

Instrument :

MSVOA_X

ClientSampled :

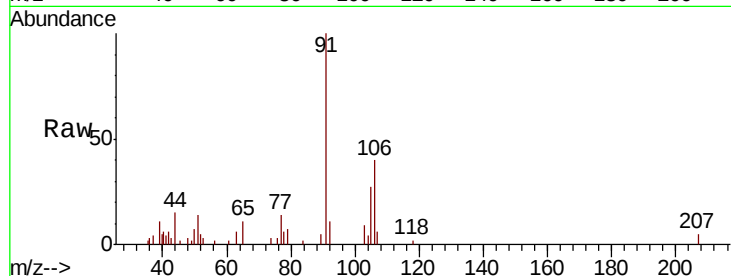
BG3N3DL2

Tot Ion:106 Resp: 1802

Ion Ratio Lower Upper

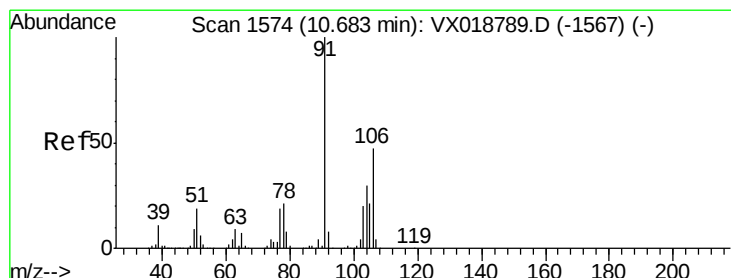
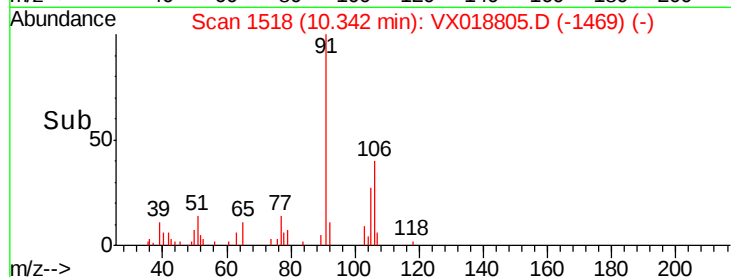
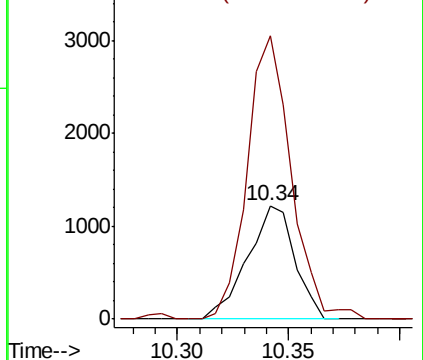
106 100

91 249.0 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.128 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018805.D

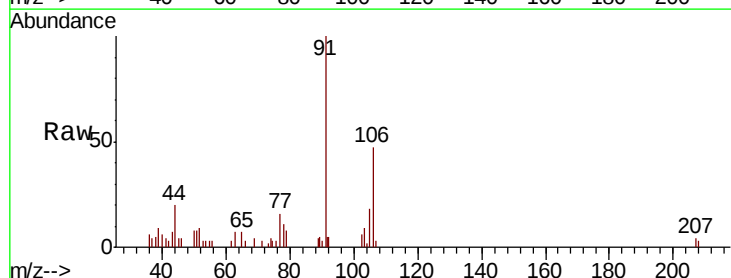
Acq: 06 Oct 2020 17:39

Tgt Ion:106 Resp: 1313

Ion Ratio Lower Upper

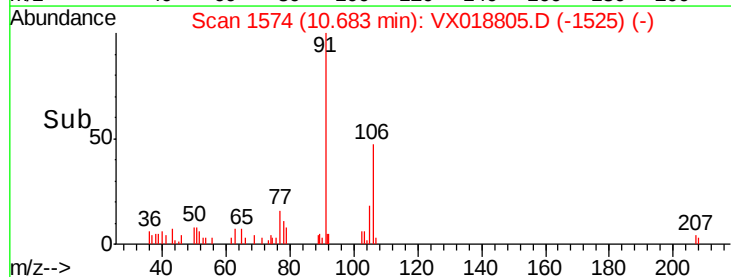
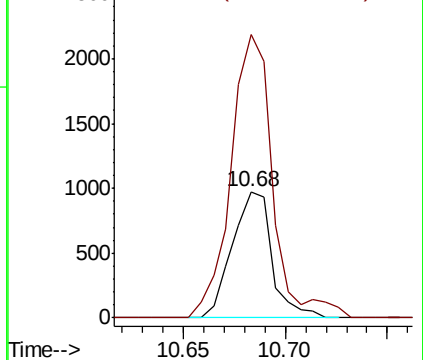
106 100

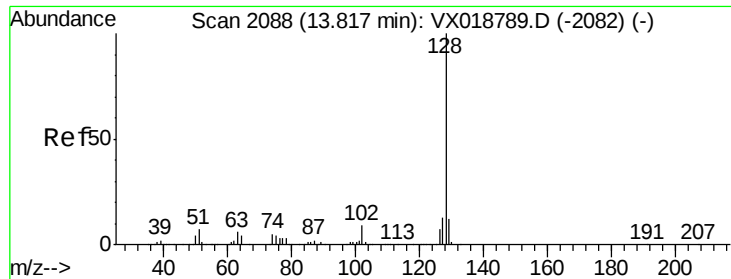
91 224.8 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#70

Naphthalene

Concen: 0.055 ug/L

RT: 13.82 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VX018805.D

Acq: 06 Oct 2020 17:39

Instrument :

MSVOA_X

ClientSampleId :

BG3N3DL2

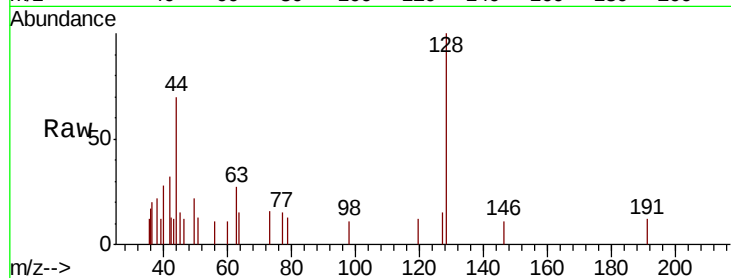
Tot Ion:128 Resp: 763

Ion Ratio Lower Upper

128 100

129 4.1 9.0 13.4#

127 9.3 10.5 15.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

