

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100620\
 Data File : VX018807.D
 Acq On : 06 Oct 2020 18:30
 Operator : JC/SP
 Sample : L4239-06DL2 2000X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N6DL2

Quant Time: Oct 07 01:34:12 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	110242	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	106008	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	49470	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	29299	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.70	69	27853	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.60%
11) 1,1-Dichloroethene-d2	2.34	63	54516	3.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.00%
20) 2-Butanone-d5	4.56	46	114523	67.80	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	135.60%#
24) Chloroform-d	5.14	84	82405	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	6.03	65	49692	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	6.05	84	145609	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
36) 1,2-Dichloropropane-d6	7.37	67	45692	6.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	120.00%
41) Toluene-d8	8.70	98	128578	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
45) trans-1,3-Dichloropropene-	8.99	79	20719	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
48) 2-Hexanone-d5	9.43	63	93054	67.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	135.52%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	36877	5.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.00%
65) 1,2-Dichlorobenzene-d4	12.36	152	52899	5.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.36	96	863	0.157	ug/L #	1
15) Methyl Acetate	2.77	43	609	0.269	ug/L	94
16) Methylene chloride	2.84	84	4396	0.660	ug/L	91
22) cis-1,2-Dichloroethene	4.57	96	23324	3.846	ug/L #	92
29) 1,1,1-Trichloroethane	5.46	97	38613	3.079	ug/L	98
35) Methylcyclohexane	7.37	83	12476	1.343	ug/L #	19
37) 1,2-Dichloropropane	7.37	63	6397	1.150	ug/L #	86
39) cis-1,3-Dichloropropene	8.36	75	1723	0.194	ug/L	99
42) Toluene	8.76	91	235215	9.683	ug/L	99
43) 1,3,5-Trimethylbenzene	11.79	105	7064	0.307	ug/L	92
44) 1,2,4-Trimethylbenzene	11.79	105	7064	0.303	ug/L	97
50) 2-Hexanone	9.43	43	11951	5.107	ug/L #	73
54) Ethylbenzene	10.24	91	2296	0.084	ug/L	98
55) m,p-xylene	10.34	106	2296	0.216	ug/L	84
56) o-xylene	10.68	106	1728	0.176	ug/L	99
70) Naphthalene	13.82	128	748	0.060	ug/L	97

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Quant Time: Oct 07 01:34:12 2020
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 07 01:30:09 2020
Response via : Initial Calibration

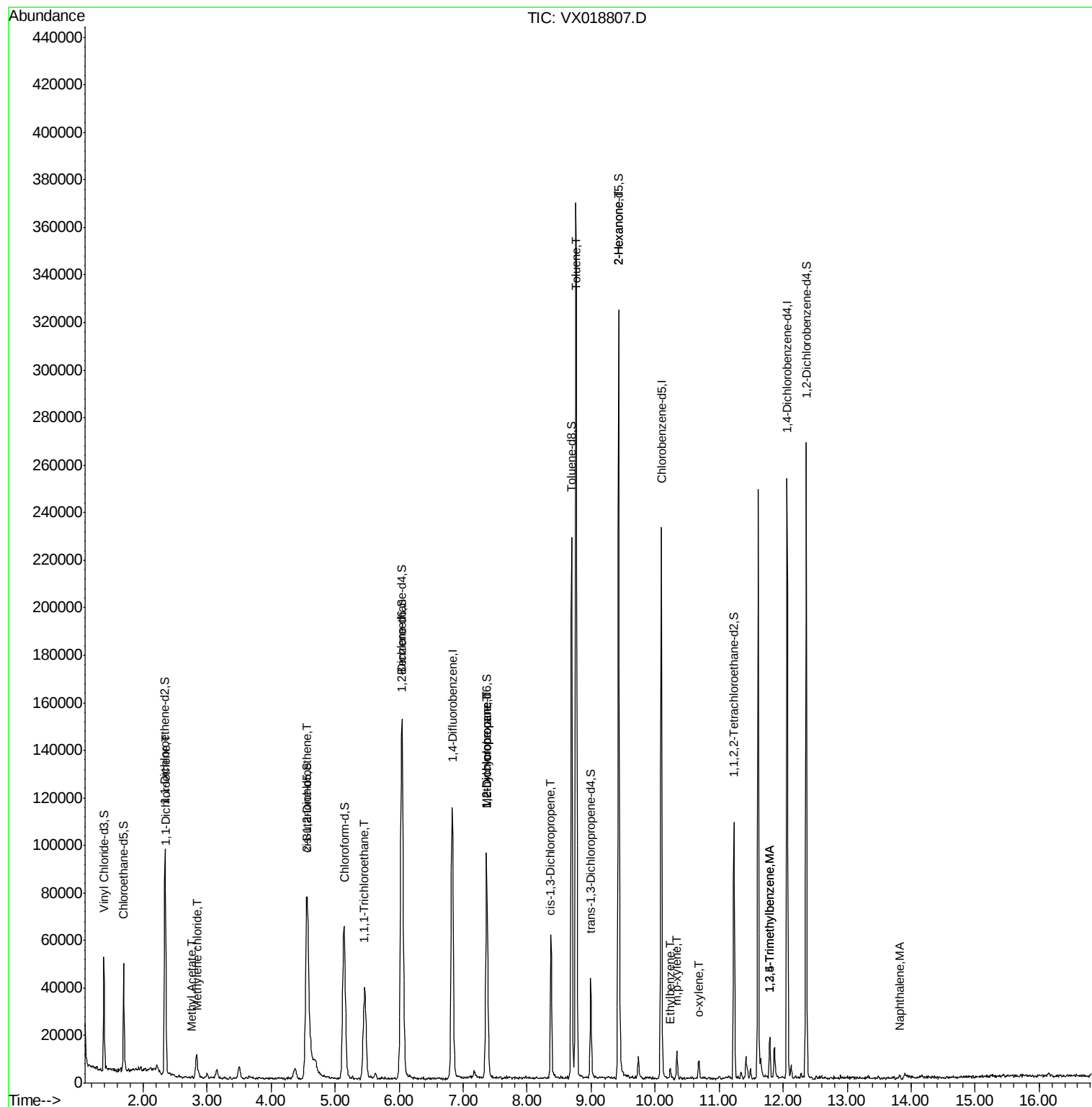
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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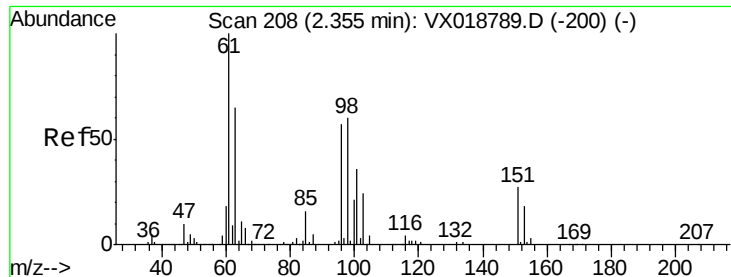
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#12

1,1-Dichloroethene

Concen: 0.157 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018807.D

Acq: 06 Oct 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

BG3N6DL2

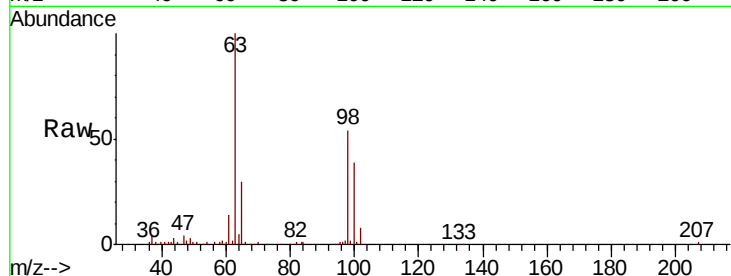
Tot Ion: 96 Resp: 863

Ion Ratio Lower Upper

96 100

61 605.9 133.2 247.4#

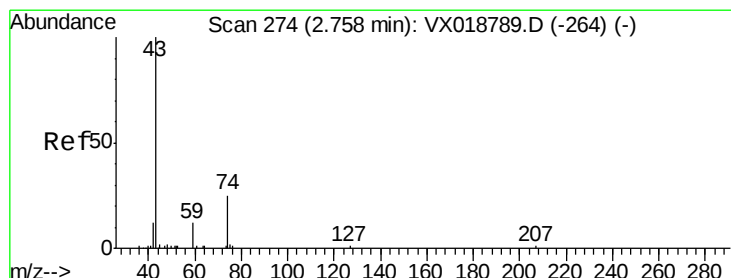
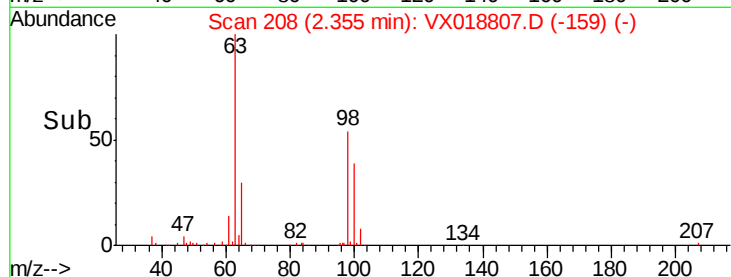
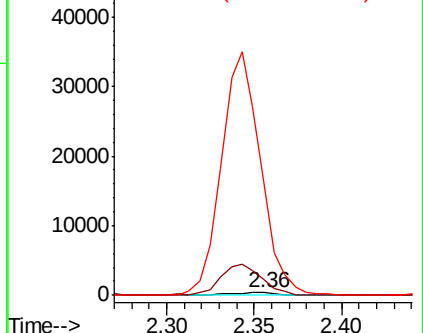
63 4304.0 115.1 213.7#



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: 0.269 ug/L

RT: 2.77 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX018807.D

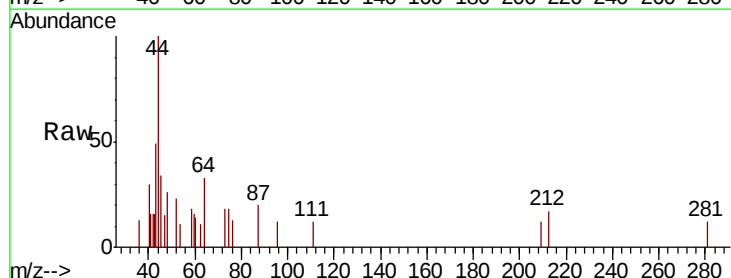
Acq: 06 Oct 2020 18:30

Tgt Ion: 43 Resp: 609

Ion Ratio Lower Upper

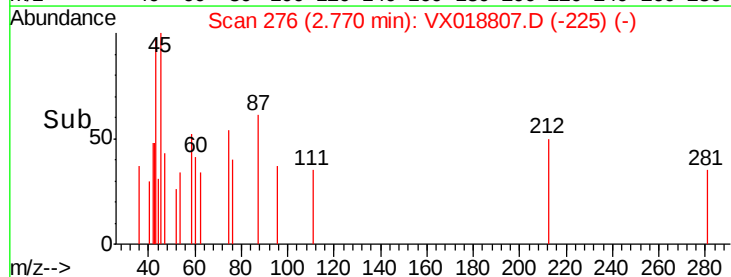
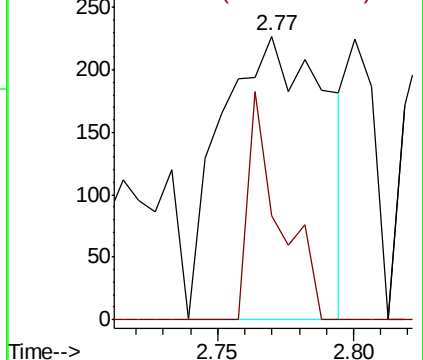
43 100

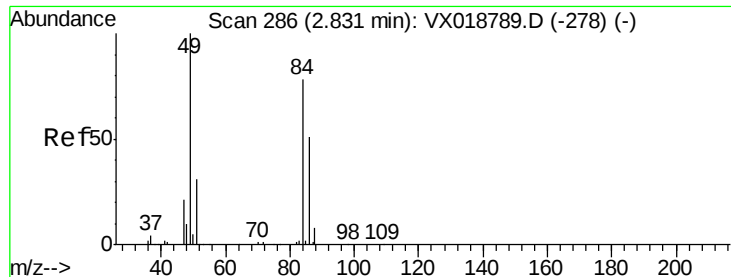
74 24.1 21.9 32.9



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0

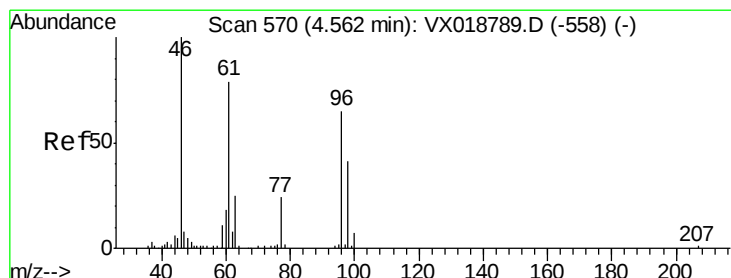
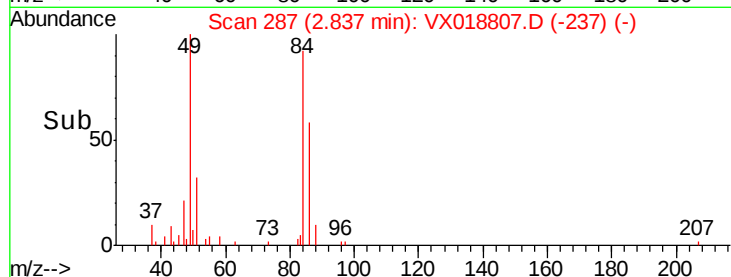
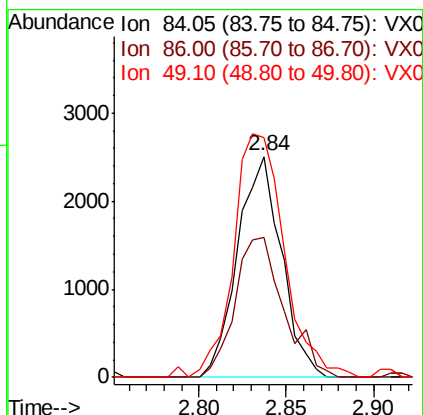
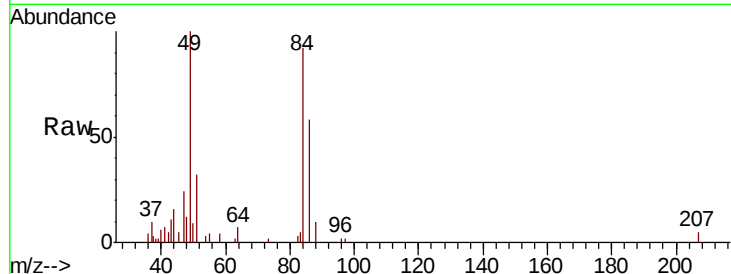




#16
Methvlene chloride
Concen: 0.660 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018807.D
Acq: 06 Oct 2020 18:30

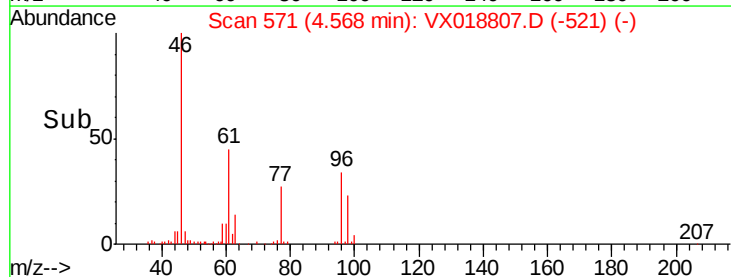
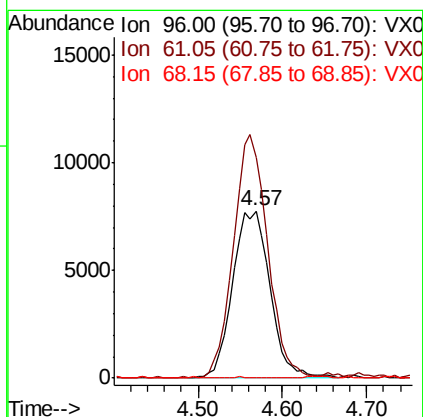
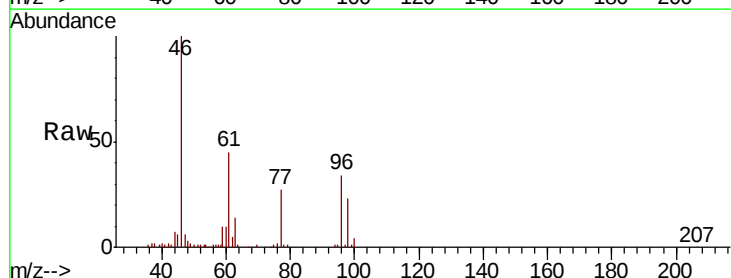
Instrument :
MSVOA_X
ClientSampleId :
BG3N6DL2

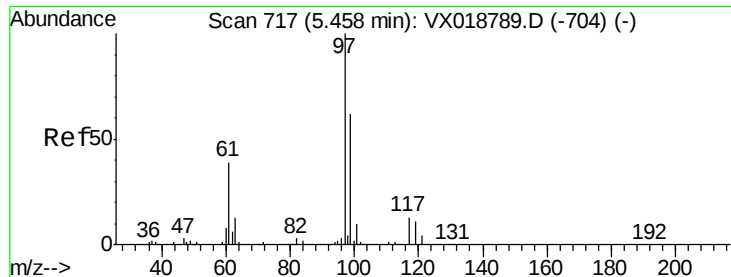
Tot Ion: 84 Resp: 4396
Ion Ratio Lower Upper
84 100
86 63.3 45.6 84.8
49 108.4 85.8 159.3



#22
cis-1,2-Dichloroethene
Concen: 3.846 ug/L
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX018807.D
Acq: 06 Oct 2020 18:30

Tgt Ion: 96 Resp: 23324
Ion Ratio Lower Upper
96 100
61 132.1 86.2 160.0
68 0.0 0.3 0.7#





#29

1,1,1-Trichloroethane

Concen: 3.079 ug/L

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX018807.D

Acq: 06 Oct 2020 18:30

Instrument :

MSVOA_X

ClientSampled :

BG3N6DL2

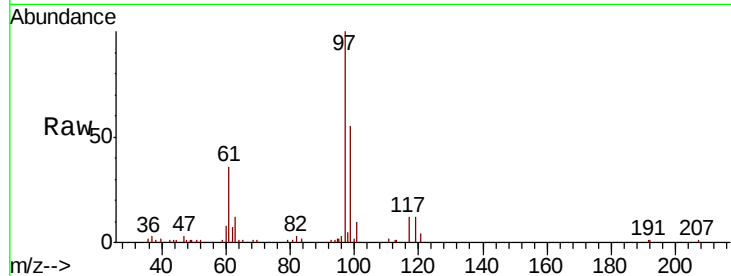
Tot Ion: 97 Resp: 38613

Ion Ratio Lower Upper

97 100

99 61.7 51.3 76.9

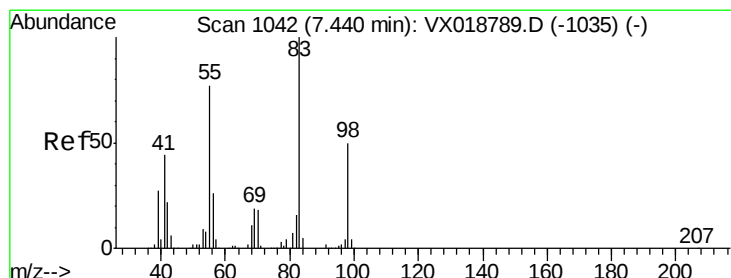
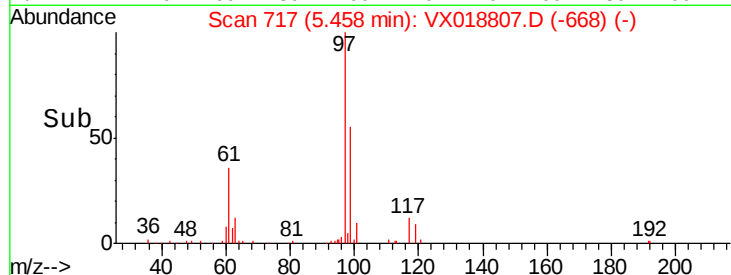
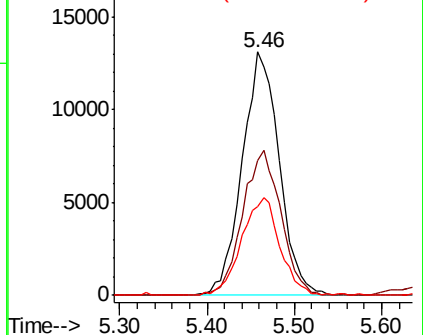
61 41.4 33.3 49.9



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: 1.343 ug/L

RT: 7.37 min Scan# 1030

Delta R.T. -0.07 min

Lab File: VX018807.D

Acq: 06 Oct 2020 18:30

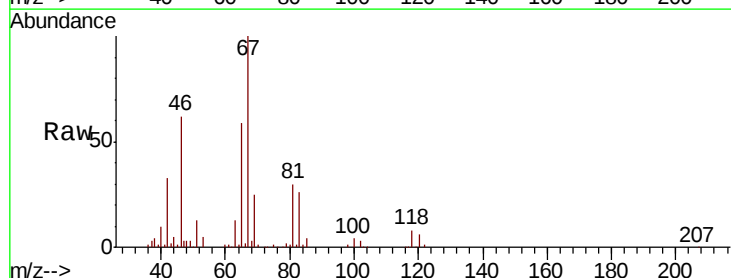
Tgt Ion: 83 Resp: 12476

Ion Ratio Lower Upper

83 100

55 0.4 60.3 90.5#

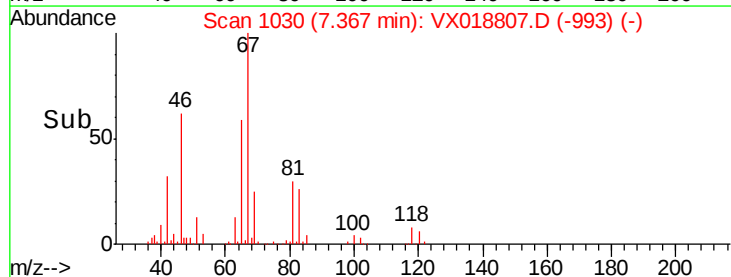
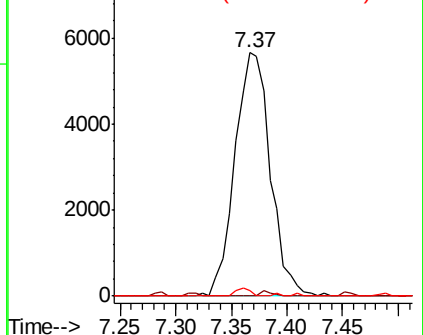
98 1.3 39.4 59.0#

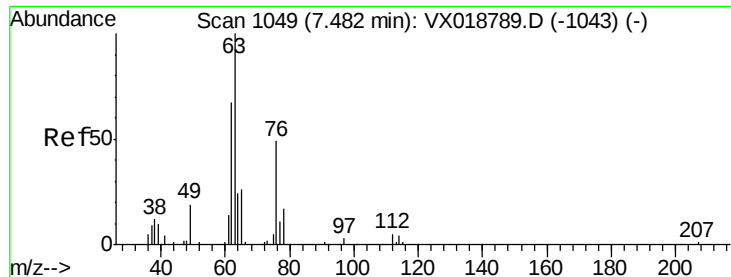


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#37

1,2-Dichloropropane

Concen: 1.150 ug/L

RT: 7.37 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VX018807.D

Acq: 06 Oct 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

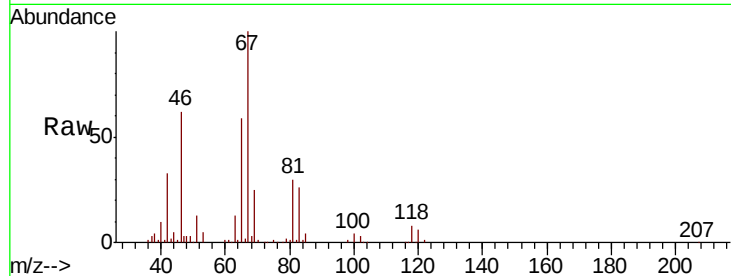
BG3N6DL2

Tot Ion: 63 Resp: 6397

Ion Ratio Lower Upper

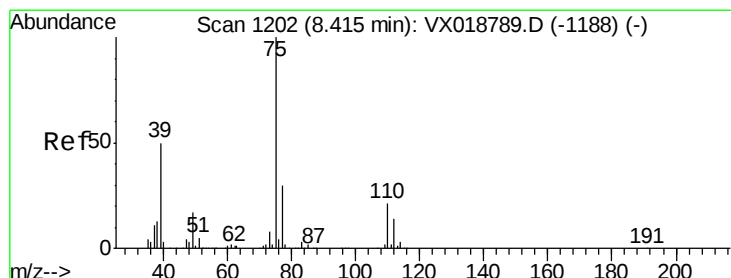
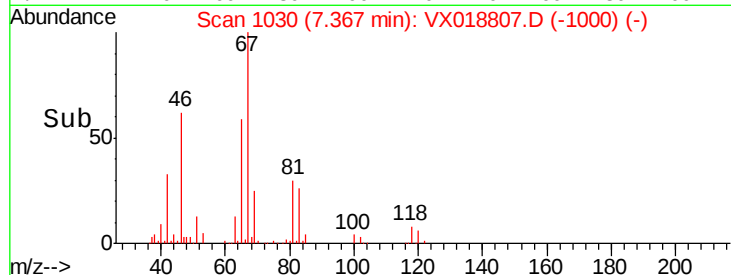
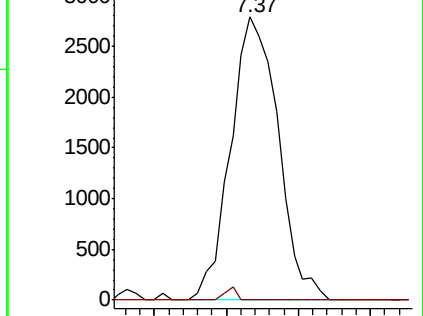
63 100

112 1.1 4.7 7.1#



Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.194 ug/L

RT: 8.36 min Scan# 1193

Delta R.T. -0.05 min

Lab File: VX018807.D

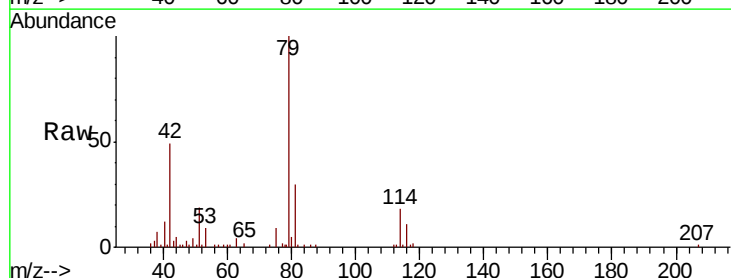
Acq: 06 Oct 2020 18:30

Tgt Ion: 75 Resp: 1723

Ion Ratio Lower Upper

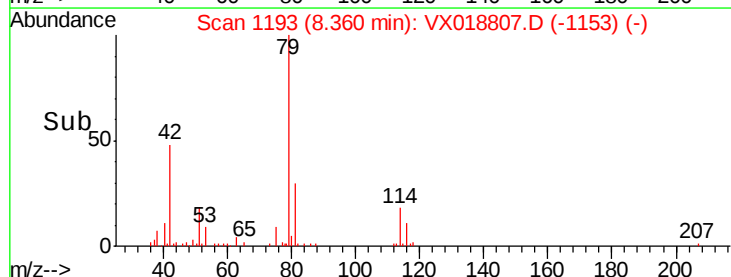
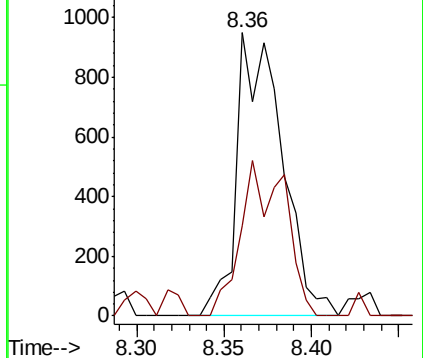
75 100

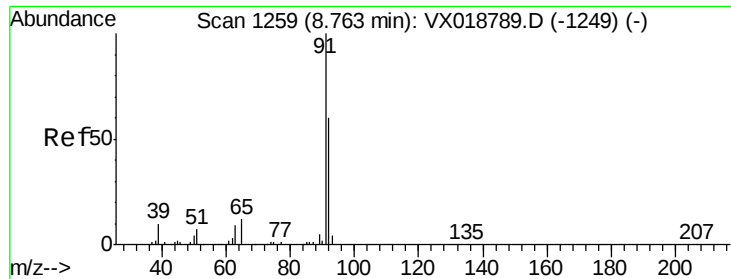
77 31.8 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0





#42

Toluene

Concen: 9.683 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018807.D

Acq: 06 Oct 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

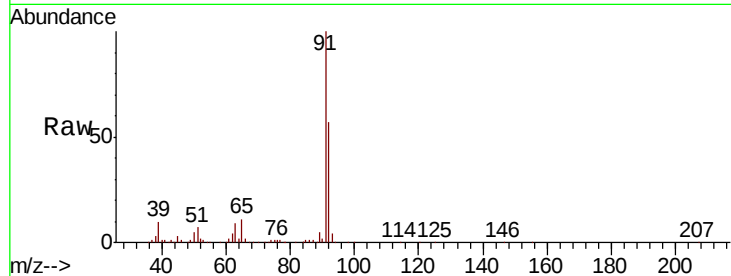
BG3N6DL2

Tot Ion: 91 Resp: 235215

Ion Ratio Lower Upper

91 100

92 57.1 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0

150000

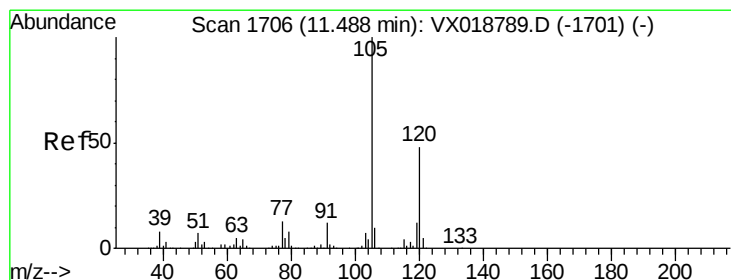
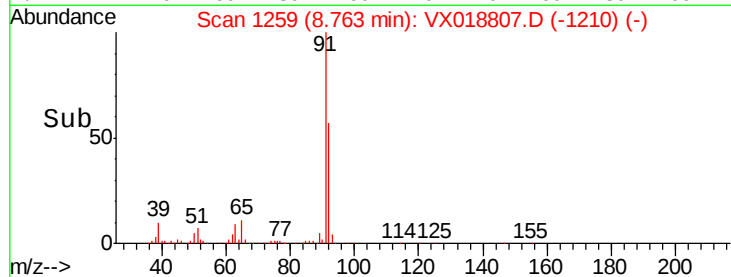
100000

50000

0

8.65 8.70 8.75 8.80 8.85

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 0.307 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.30 min

Lab File: VX018807.D

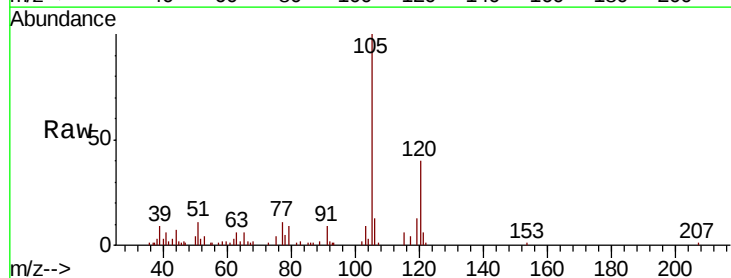
Acq: 06 Oct 2020 18:30

Tgt Ion:105 Resp: 7064

Ion Ratio Lower Upper

105 100

120 42.0 37.7 56.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

6000

5000

4000

3000

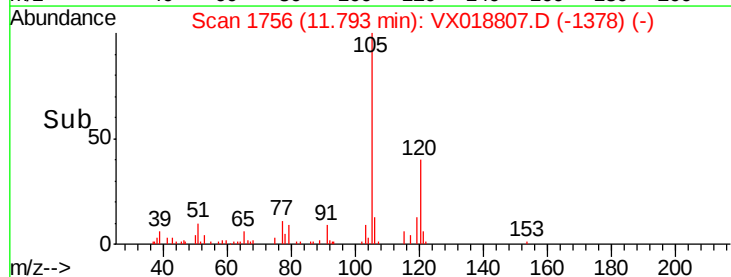
2000

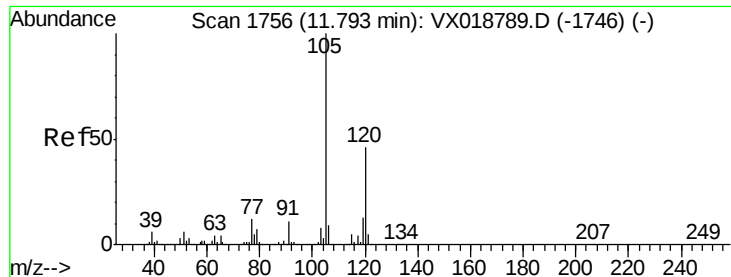
1000

0

11.75 11.80 11.85

Time-->





#44

1,2,4-Trimethylbenzene

Concen: 0.303 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018807.D

Acq: 06 Oct 2020 18:30

Instrument :

MSVOA_X

ClientSampleId :

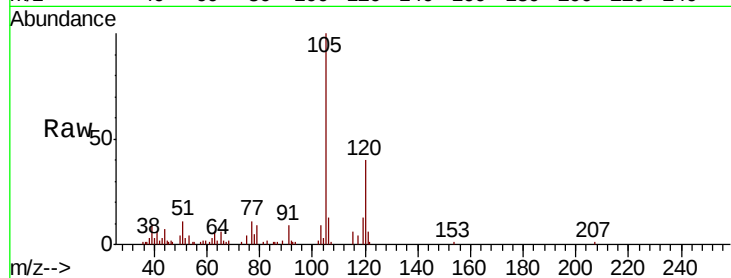
BG3N6DL2

Tot Ion:105 Resp: 7064

Ion Ratio Lower Upper

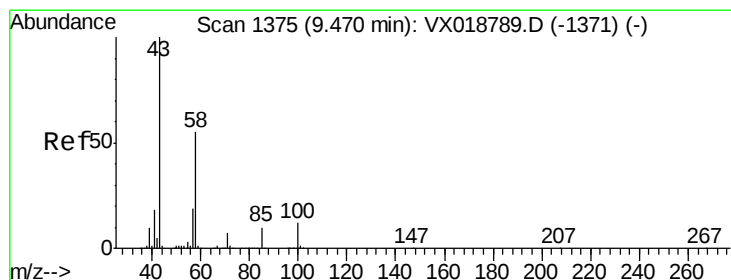
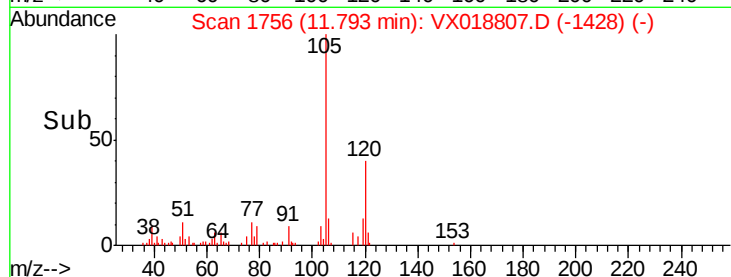
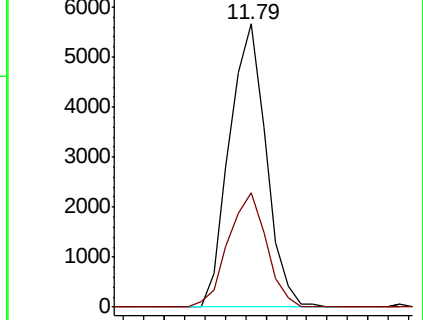
105 100

120 42.0 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: 5.107 ug/L

RT: 9.43 min Scan# 1368

Delta R.T. -0.04 min

Lab File: VX018807.D

Acq: 06 Oct 2020 18:30

Tgt Ion: 43 Resp: 11951

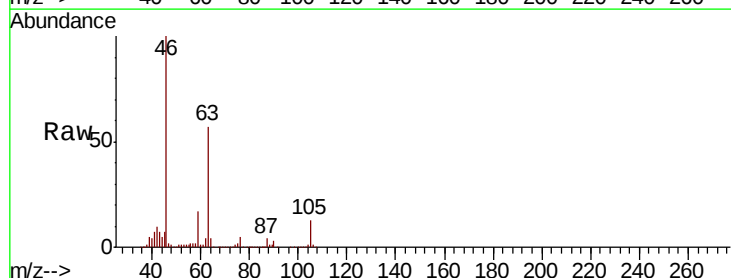
Ion Ratio Lower Upper

43 100

58 28.9 41.0 61.4#

57 27.2 15.9 23.9#

100 3.3 10.1 15.1#

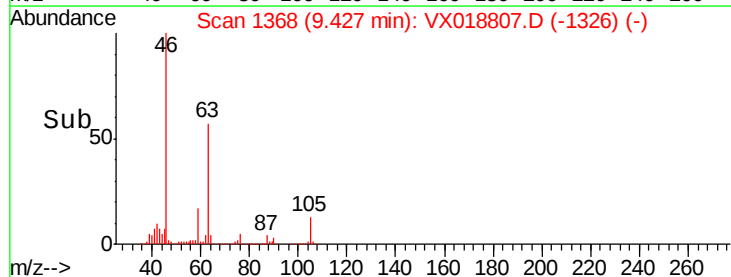
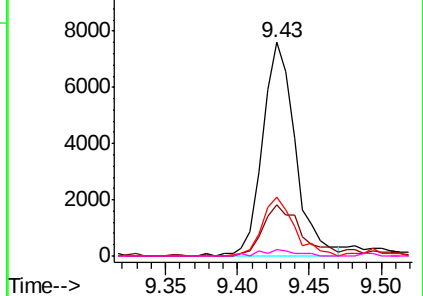


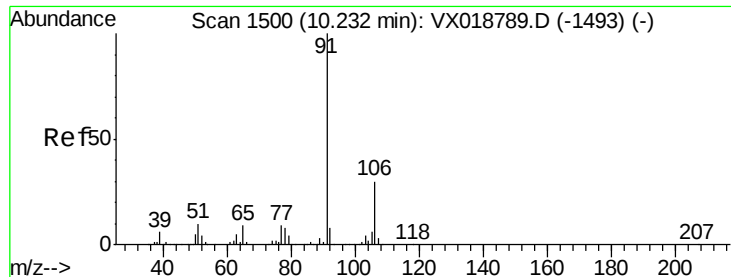
Abundance Ion 43.05 (42.75 to 43.75): VX0

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): V

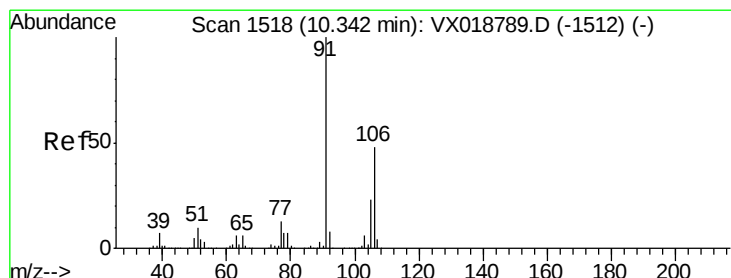
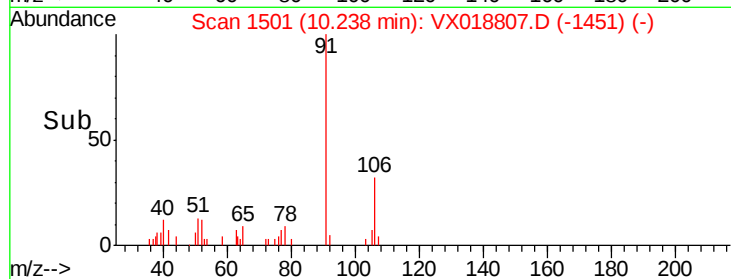
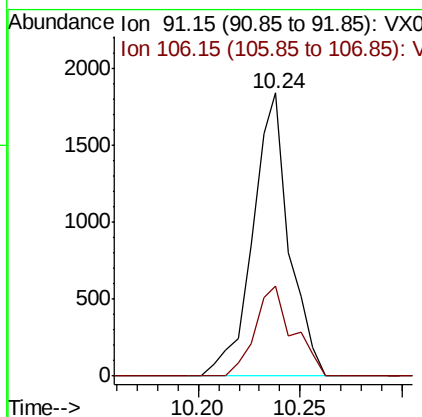
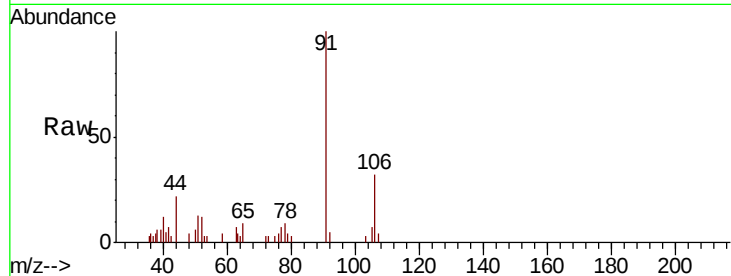




#54
Ethylbenzene
Concen: 0.084 ug/L
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX018807.D
Acq: 06 Oct 2020 18:30

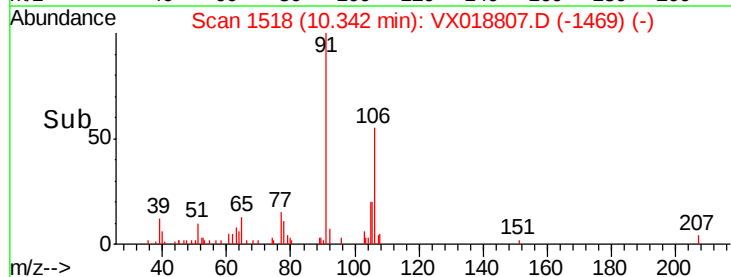
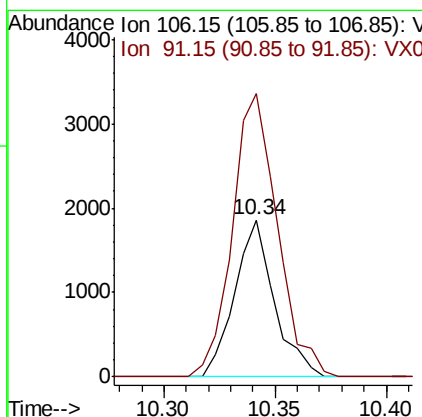
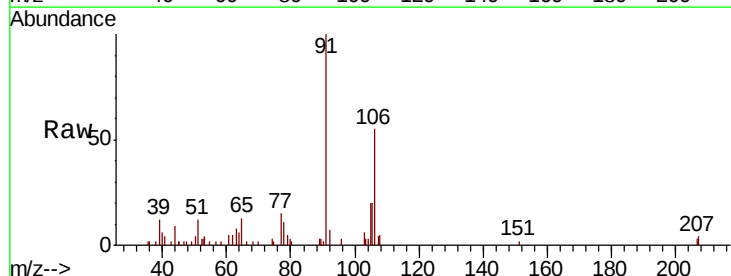
Instrument :
MSVOA_X
ClientSampled :
BG3N6DL2

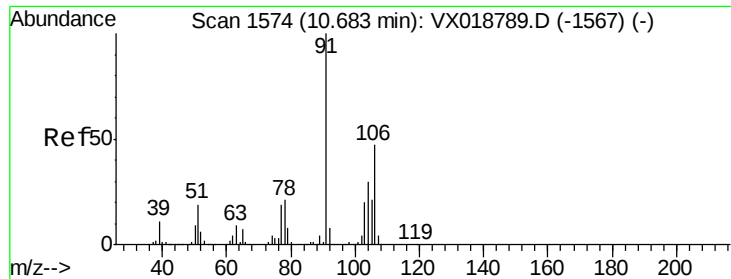
Tot Ion: 91 Resp: 2296
Ion Ratio Lower Upper
91 100
106 31.7 21.5 39.9



#55
m,p-xylene
Concen: 0.216 ug/L
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX018807.D
Acq: 06 Oct 2020 18:30

Tgt Ion: 106 Resp: 2296
Ion Ratio Lower Upper
106 100
91 180.7 143.4 266.2

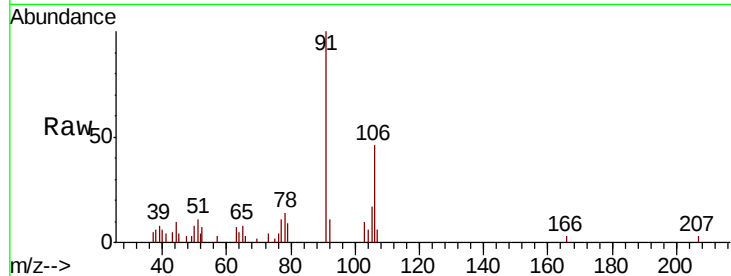




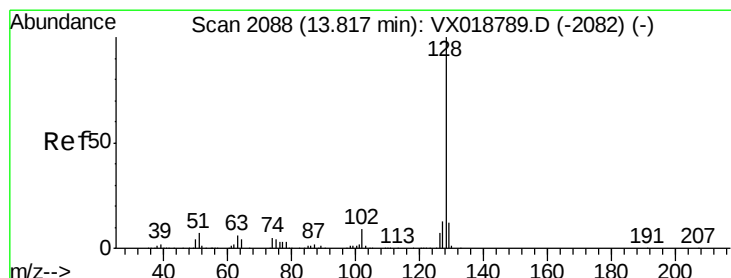
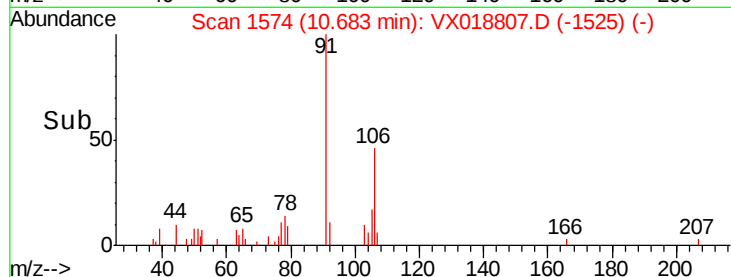
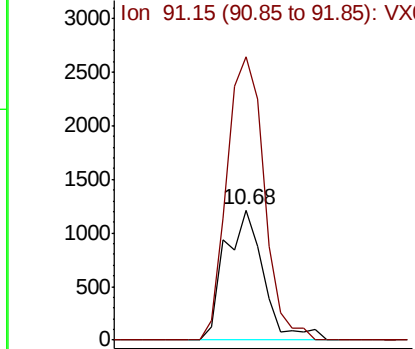
#56
o-xylene
Concen: 0.176 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018807.D
Acq: 06 Oct 2020 18:30

Instrument :
MSVOA_X
ClientSampled :
BG3N6DL2

Tot Ion:106 Resp: 1728
Ion Ratio Lower Upper
106 100
91 218.0 153.4 284.8

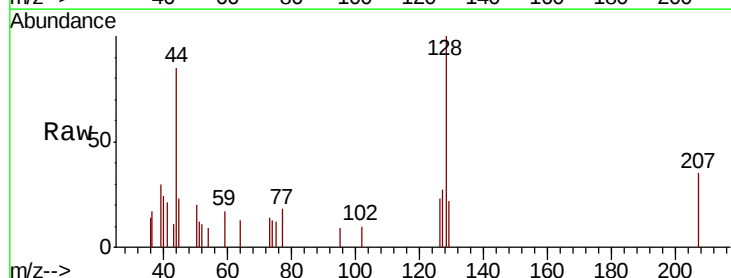


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VX0



#70
Naphthalene
Concen: 0.060 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX018807.D
Acq: 06 Oct 2020 18:30

Tgt Ion:128 Resp: 748
Ion Ratio Lower Upper
128 100
129 12.7 9.0 13.4
127 12.2 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

