

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
 Data File : VX018769.D
 Acq On : 05 Oct 2020 16:38
 Operator : JC/SP
 Sample : L4239-04DL2 400X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N3DL2

Quant Time: Oct 06 01:45:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 06 01:36:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	148822	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	140662	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	69136	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	43971	5.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.00%
7) Chloroethane-d5	1.70	69	39552	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.20%
11) 1,1-Dichloroethene-d2	2.34	63	77568	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.20%
20) 2-Butanone-d5	4.56	46	147719	64.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.56%
24) Chloroform-d	5.14	84	108098	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	6.03	65	61463	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	6.05	84	207850	5.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	119.00%
36) 1,2-Dichloropropane-d6	7.37	67	61521	6.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	121.80%
41) Toluene-d8	8.70	98	186007	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
45) trans-1,3-Dichloropropene-	8.99	79	28651	5.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.40%
48) 2-Hexanone-d5	9.43	63	119658	65.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.34%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	48270	5.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	75271	5.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.35	101	1010	0.121	ug/L #	19
12) 1,1-Dichloroethene	2.36	96	2555	0.345	ug/L #	1
15) Methyl Acetate	2.75	43	374	0.122	ug/L #	47
16) Methylene chloride	2.83	84	2476	0.275	ug/L	89
19) 1,1-Dichloroethane	3.67	63	2417	0.171	ug/L	91
22) cis-1,2-Dichloroethene	4.56	96	82281	10.051	ug/L #	100
27) 1,2-Dichloroethane	6.05	62	1624	0.139	ug/L	98
29) 1,1,1-Trichloroethane	5.46	97	292492	17.577	ug/L	99
30) Cyclohexane	5.56	56	3246	0.281	ug/L	92
35) Methylcyclohexane	7.37	83	15754	1.278	ug/L #	19
37) 1,2-Dichloropropane	7.37	63	7883	1.068	ug/L #	86
42) Toluene	8.76	91	1409949	43.744	ug/L	95
43) 1,3,5-Trimethylbenzene	11.49	105	6121	0.201	ug/L	97
44) 1,2,4-Trimethylbenzene	11.79	105	23745	0.767	ug/L	99
50) 2-Hexanone	9.43	43	15224	4.903	ug/L #	69
53) Chlorobenzene	10.12	112	1389	0.063	ug/L #	82
54) Ethylbenzene	10.23	91	9509	0.263	ug/L	96

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QLast Update : Tue Oct 06 01:36:50 2020
Response via : Initial Calibration

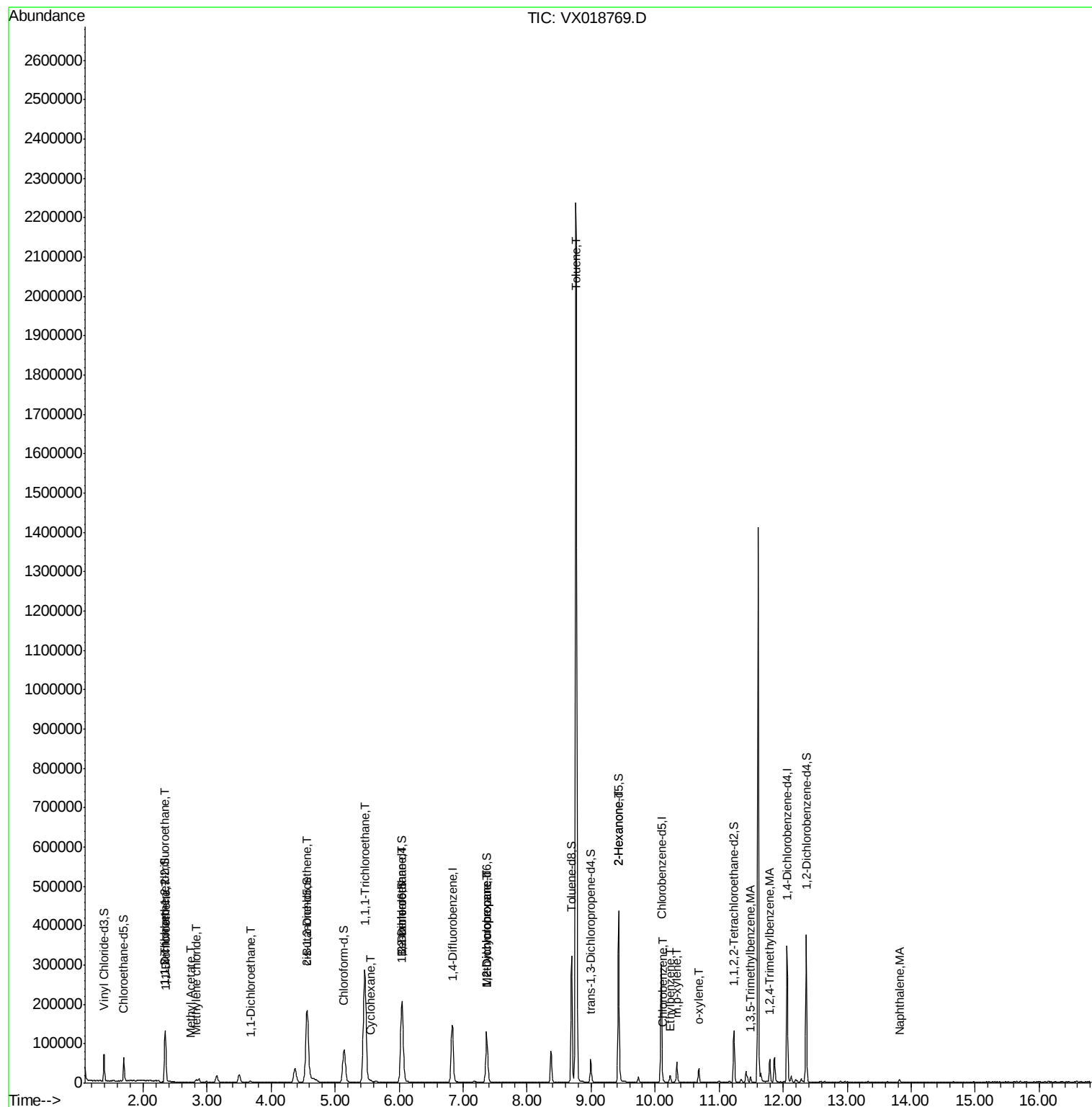
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) m,p-xylene	10.34	106	11223	0.796	ug/L	84
56) o-xylene	10.68	106	7282	0.559	ug/L	91
70) Naphthalene	13.82	128	4536	0.258	ug/L	100

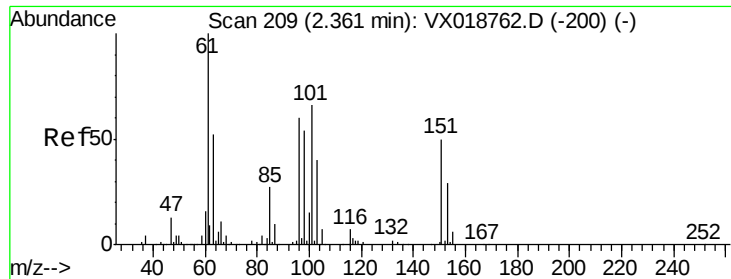
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.121 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX018769.D

Acq: 05 Oct 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

BG3N3DL2

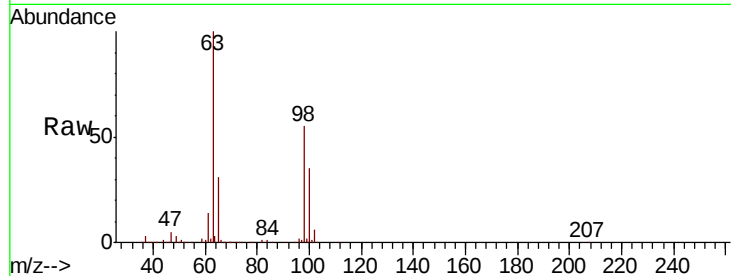
Tot Ion:101 Resp: 1010

Ion Ratio Lower Upper

101 100

85 2.3 37.1 55.7#

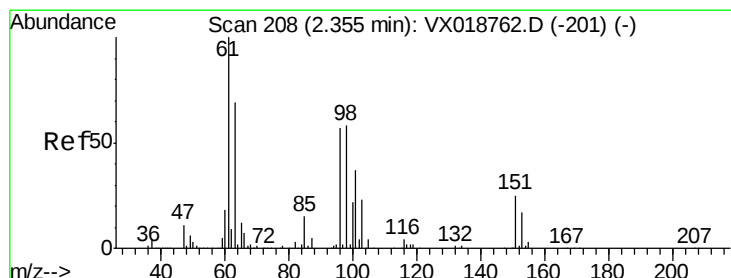
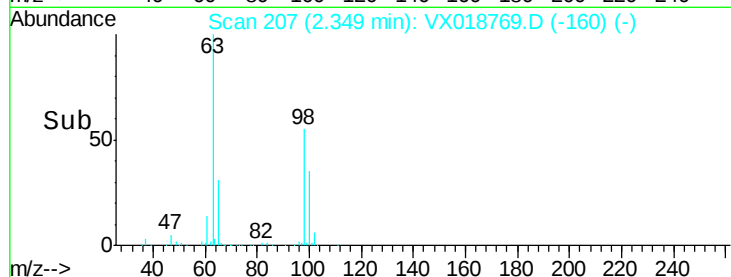
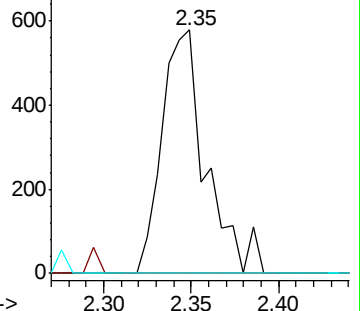
151 2.0 65.0 97.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.345 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018769.D

Acq: 05 Oct 2020 16:38

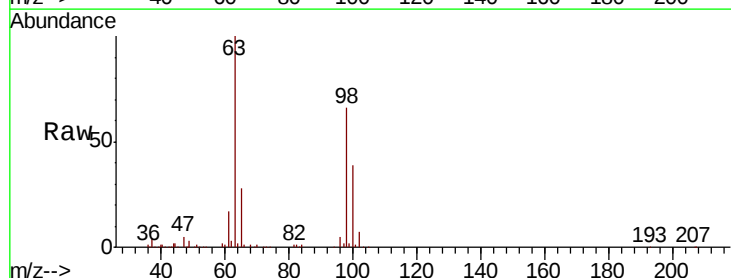
Tgt Ion: 96 Resp: 2555

Ion Ratio Lower Upper

96 100

61 328.8 133.2 247.4#

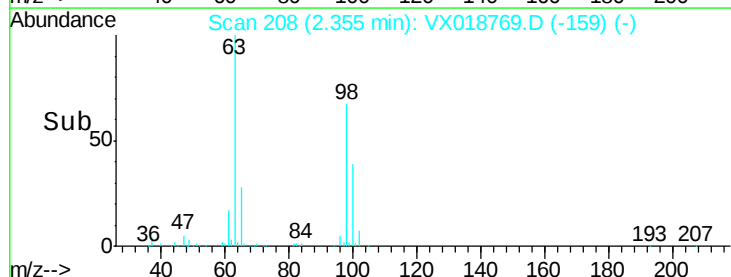
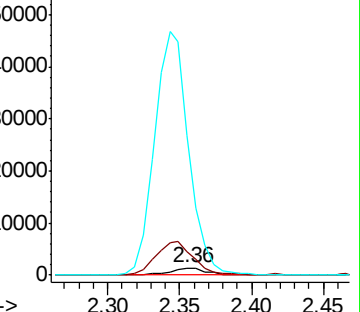
63 1925.7 115.1 213.7#

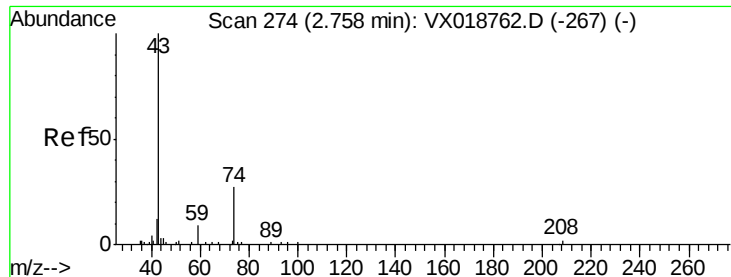


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0

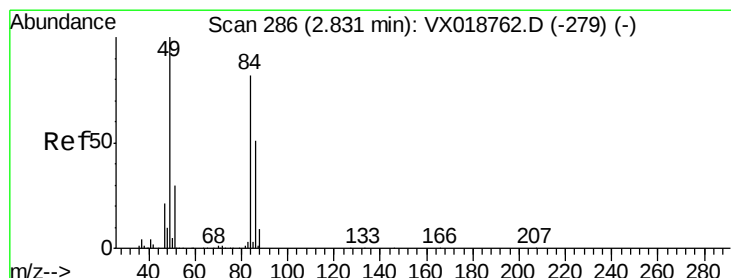
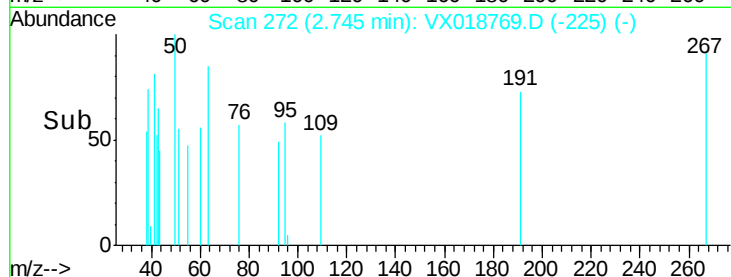
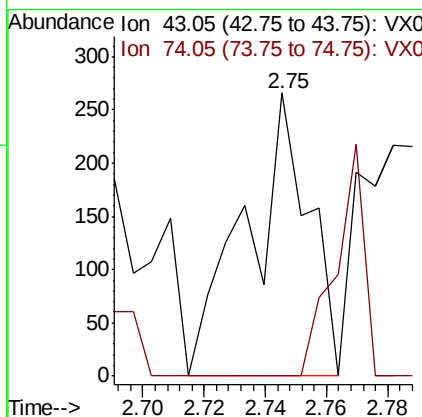
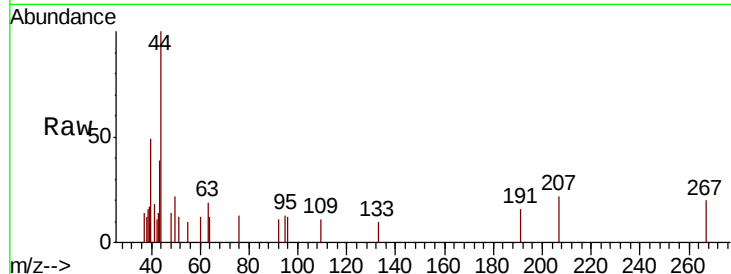




#15
Methyl Acetate
Concen: 0.122 ug/L
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX018769.D
Acq: 05 Oct 2020 16:38

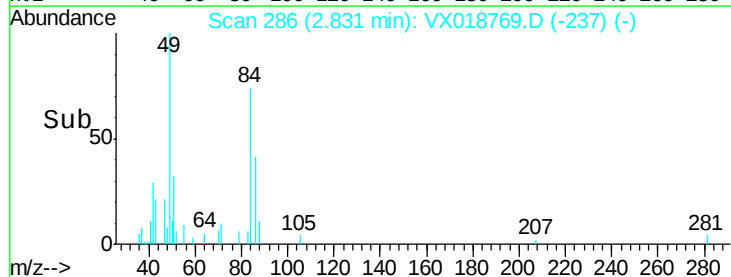
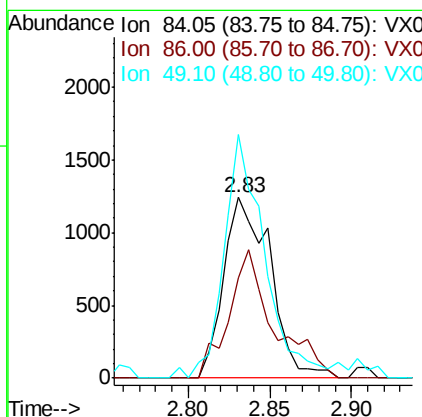
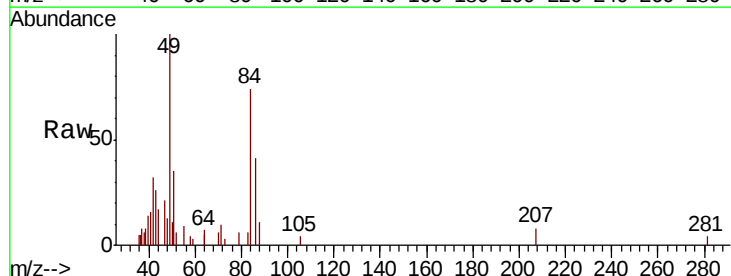
Instrument :
MSVOA_X
ClientSampled :
BG3N3DL2

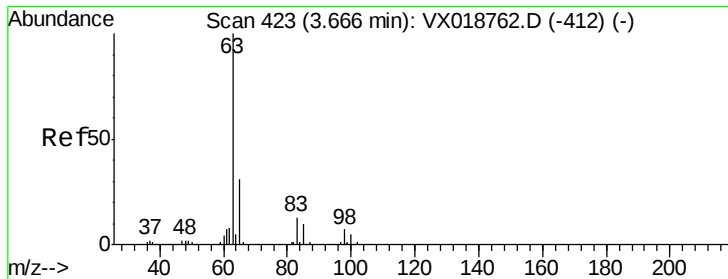
Tot Ion: 43 Resp: 374
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#16
Methylene chloride
Concen: 0.275 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018769.D
Acq: 05 Oct 2020 16:38

Tgt Ion: 84 Resp: 2476
Ion Ratio Lower Upper
84 100
86 55.3 45.6 84.8
49 134.7 85.8 159.3





#19

1,1-Dichloroethane

Concen: 0.171 ug/L

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX018769.D

Acq: 05 Oct 2020 16:38

Instrument :

MSVOA_X

ClientSampled :

BG3N3DL2

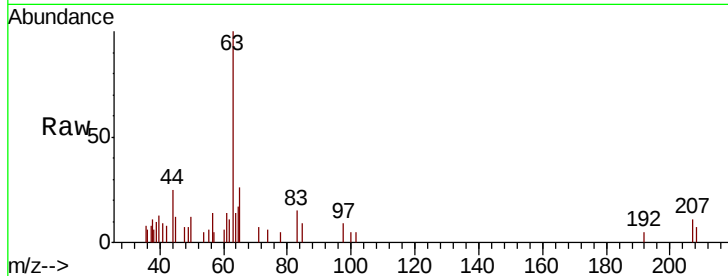
Tot Ion: 63 Resp: 2417

Ion Ratio Lower Upper

63 100

65 25.7 21.6 40.2

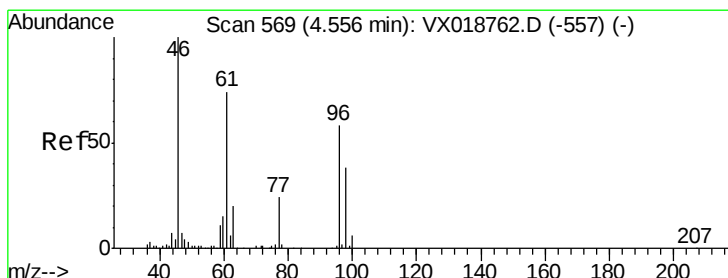
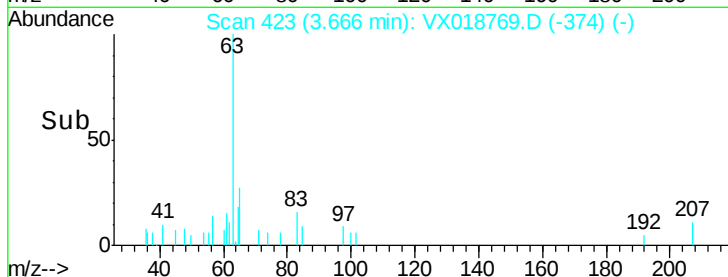
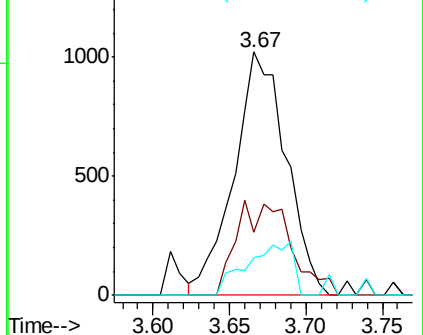
83 15.5 8.7 16.1



Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 65.10 (64.80 to 65.80): VX0

Ion 83.05 (82.75 to 83.75): VX0



#22

cis-1,2-Dichloroethene

Concen: 10.051 ug/L

RT: 4.56 min Scan# 570

Delta R.T. 0.01 min

Lab File: VX018769.D

Acq: 05 Oct 2020 16:38

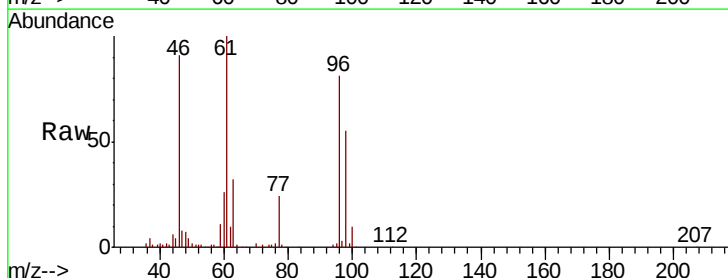
Tgt Ion: 96 Resp: 82281

Ion Ratio Lower Upper

96 100

61 123.2 86.2 160.0

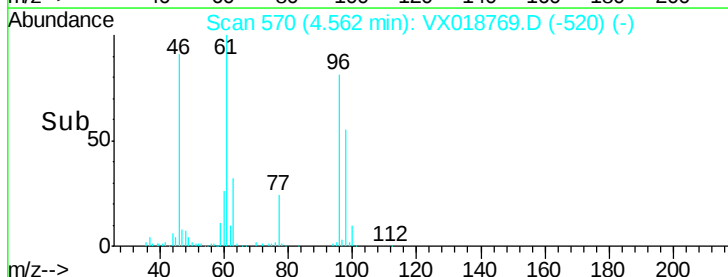
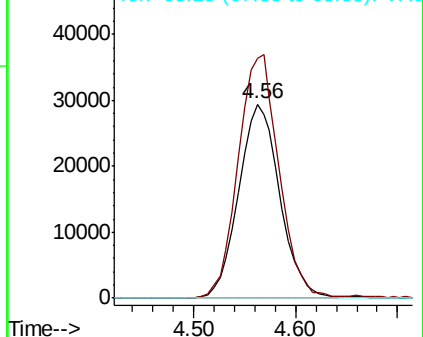
68 0.0 0.3 0.7#

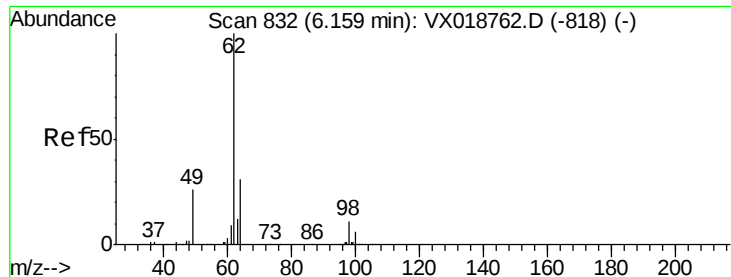


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 68.15 (67.85 to 68.85): VX0





#27

1,2-Dichloroethane

Concen: 0.139 ug/L

RT: 6.05 min Scan# 814

Delta R.T. -0.11 min

Lab File: VX018769.D

Acq: 05 Oct 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

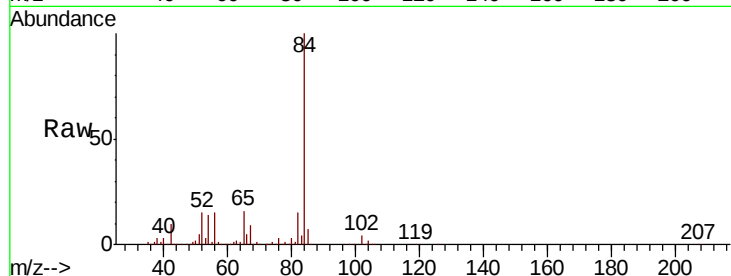
BG3N3DL2

Tot Ion: 62 Resp: 1624

Ion Ratio Lower Upper

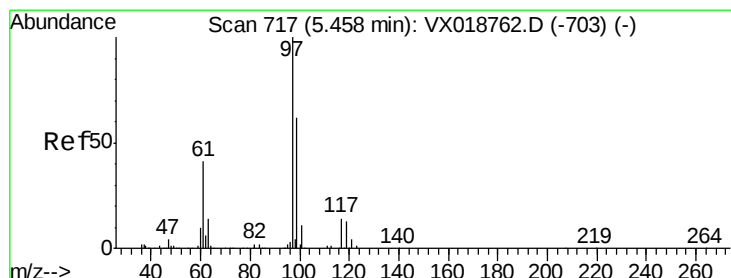
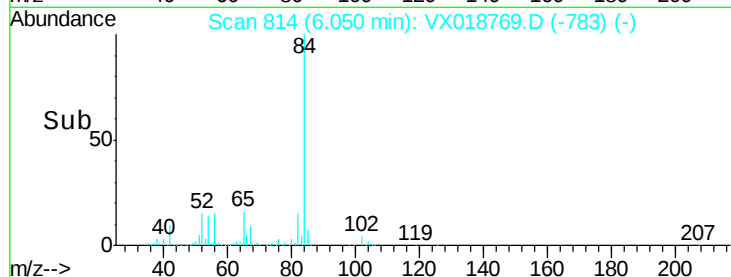
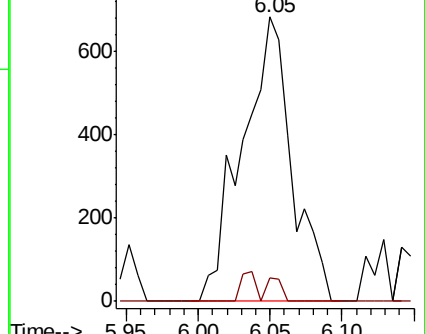
62 100

98 7.9 5.8 8.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.05 (97.75 to 98.75): VX0



#29

1,1,1-Trichloroethane

Concen: 17.577 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX018769.D

Acq: 05 Oct 2020 16:38

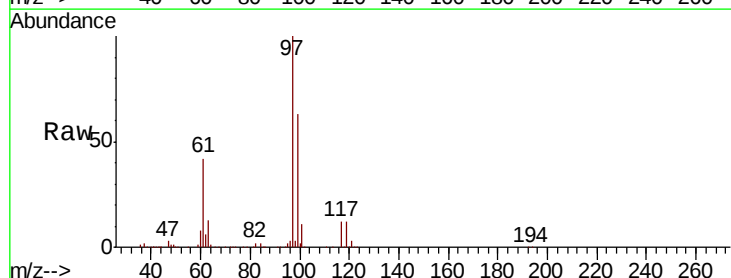
Tgt Ion: 97 Resp: 292492

Ion Ratio Lower Upper

97 100

99 63.4 51.3 76.9

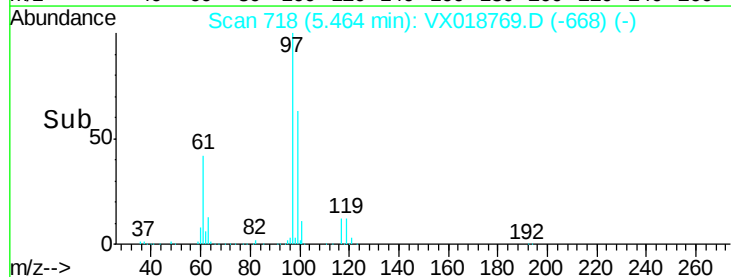
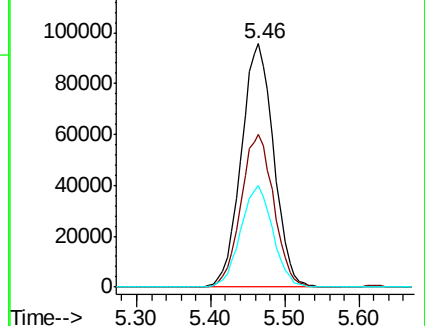
61 41.5 33.3 49.9

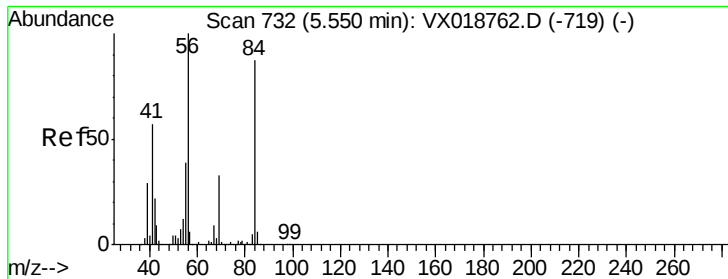


Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 61.05 (60.75 to 61.75): VX0

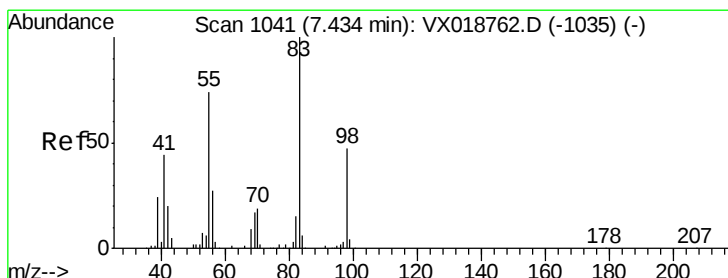
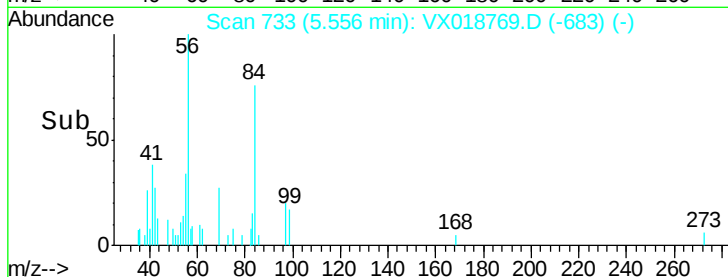
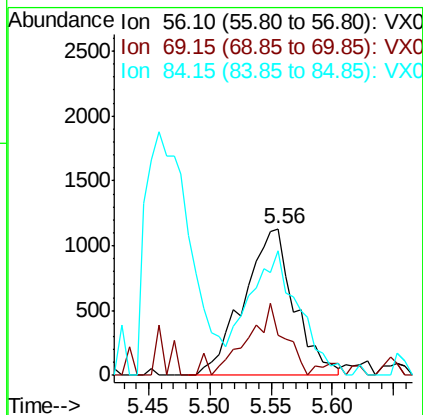
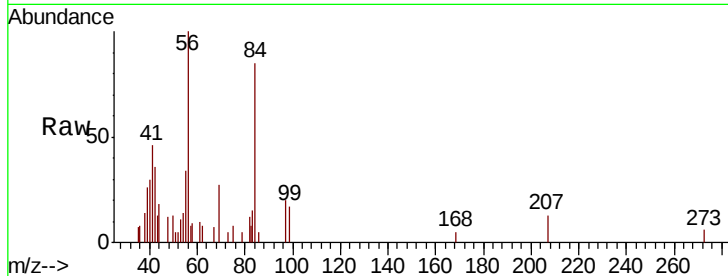




#30
Cyclohexane
Concen: 0.281 ug/L
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX018769.D
Acq: 05 Oct 2020 16:38

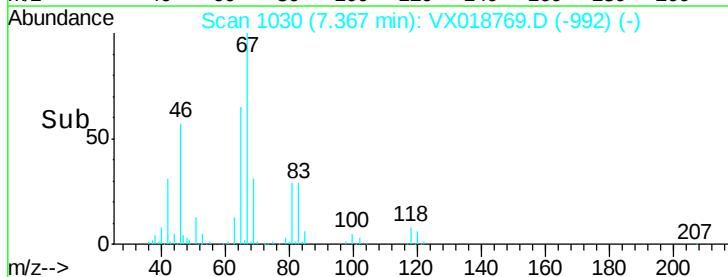
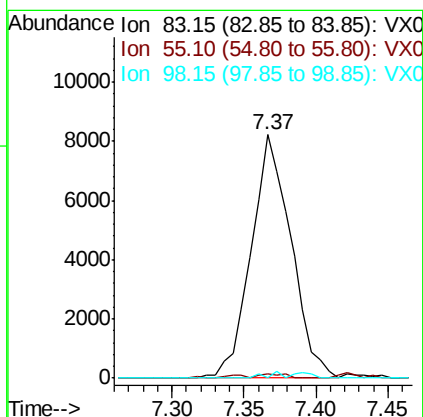
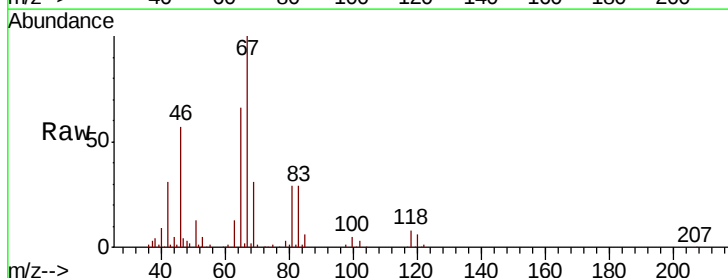
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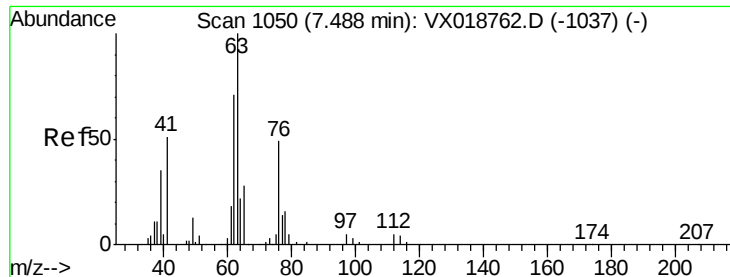
Tot Ion: 56 Resp: 3246
Ion Ratio Lower Upper
56 100
69 35.4 26.0 39.0
84 83.5 73.8 110.6



#35
Methylcyclohexane
Concen: 1.278 ug/L
RT: 7.37 min Scan# 1030
Delta R.T. -0.07 min
Lab File: VX018769.D
Acq: 05 Oct 2020 16:38

Tgt Ion: 83 Resp: 15754
Ion Ratio Lower Upper
83 100
55 1.1 60.3 90.5#
98 0.5 39.4 59.0#

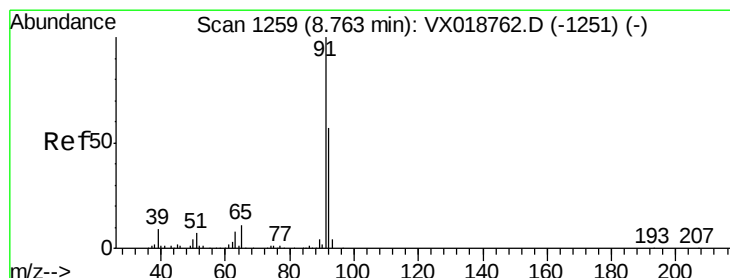
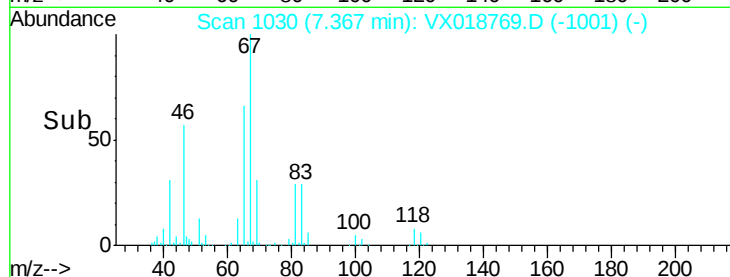
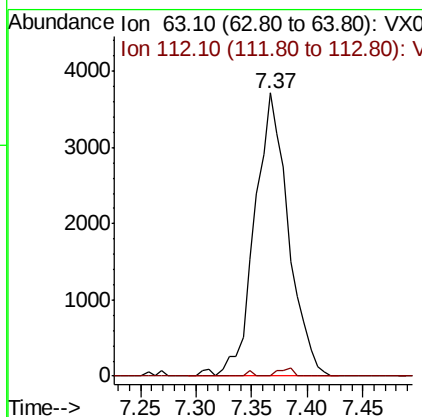
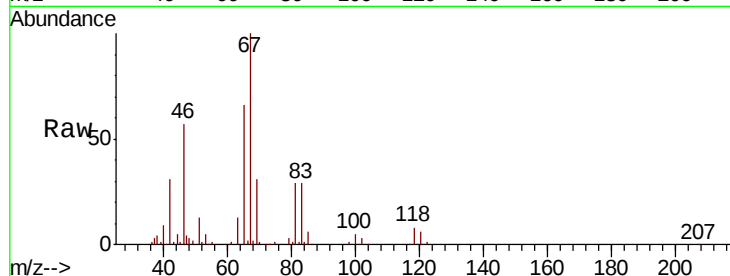




#37
 1,2-Dichloropropane
 Concen: 1.068 ug/L
 RT: 7.37 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VX018769.D
 Acq: 05 Oct 2020 16:38

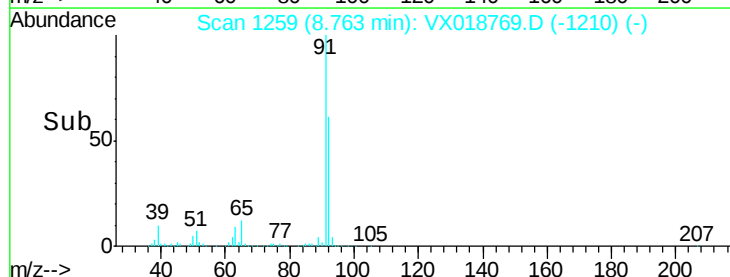
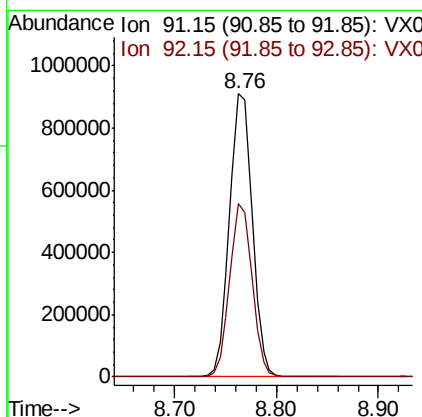
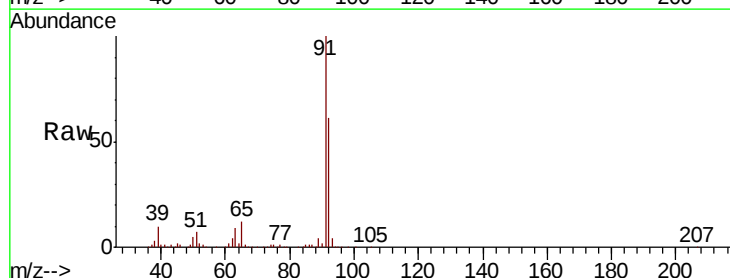
Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N3DL2

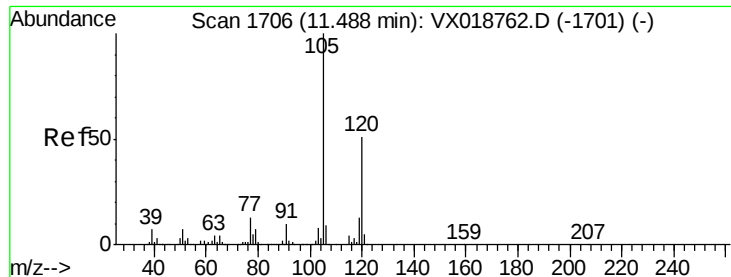
Tot Ion: 63 Resp: 7883
 Ion Ratio Lower Upper
 63 100
 112 1.1 4.7 7.1#



#42
 Toluene
 Concen: 43.744 ug/L
 RT: 8.76 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VX018769.D
 Acq: 05 Oct 2020 16:38

Tgt Ion: 91 Resp: 1409949
 Ion Ratio Lower Upper
 91 100
 92 61.1 40.3 74.9

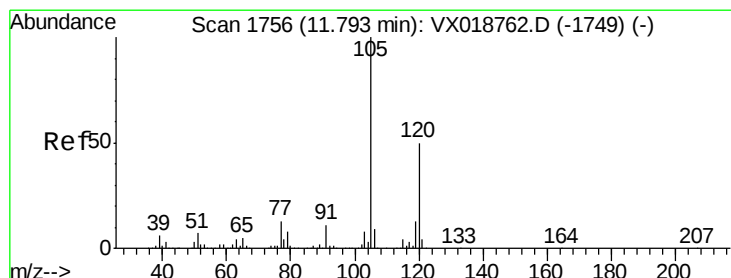
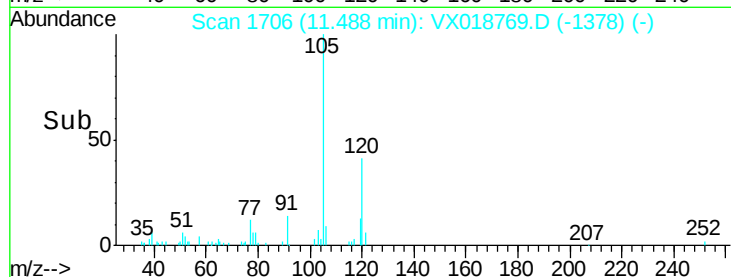
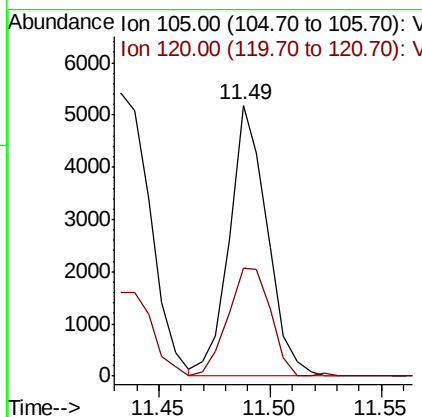
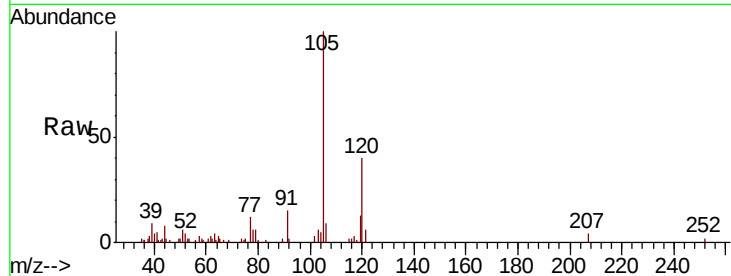




#43
 1,3,5-Trimethylbenzene
 Concen: 0.201 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX018769.D
 Acq: 05 Oct 2020 16:38

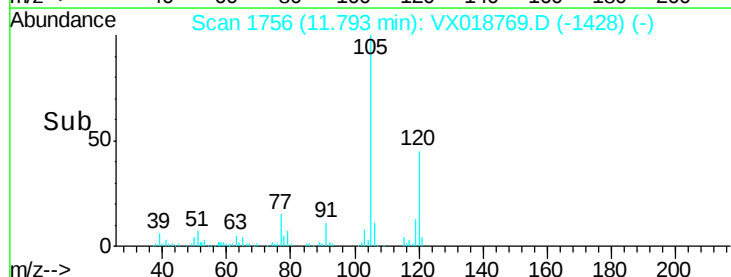
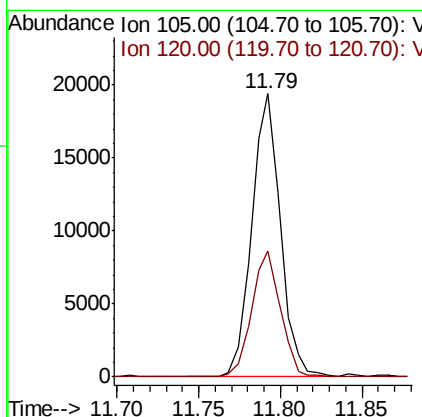
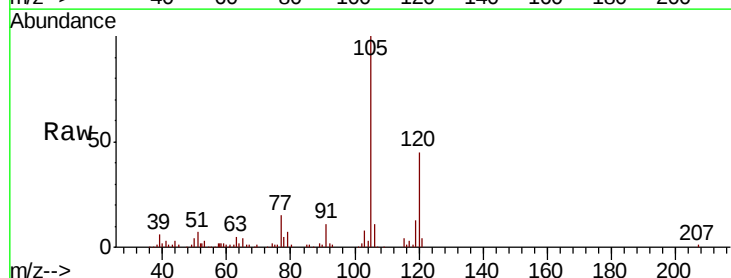
Instrument :
 MSVOA_X
 ClientSampled :
 BG3N3DL2

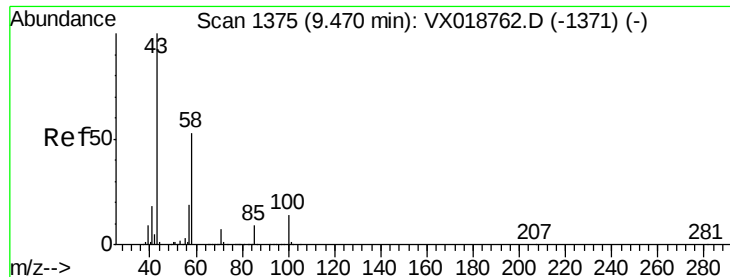
Tot Ion:105 Resp: 6121
 Ion Ratio Lower Upper
 105 100
 120 44.9 37.7 56.5



#44
 1,2,4-Trimethylbenzene
 Concen: 0.767 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX018769.D
 Acq: 05 Oct 2020 16:38

Tgt Ion:105 Resp: 23745
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.1 52.7

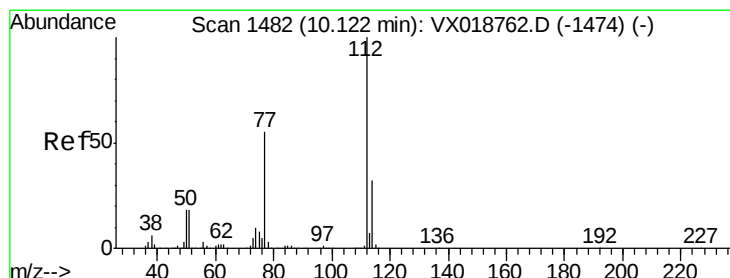
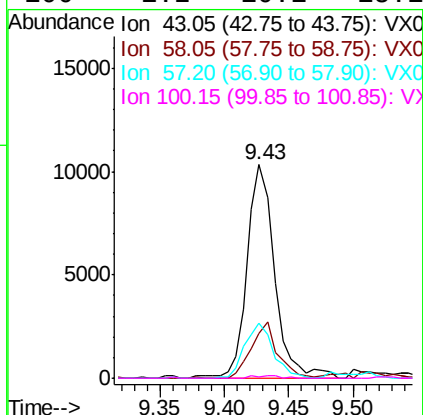
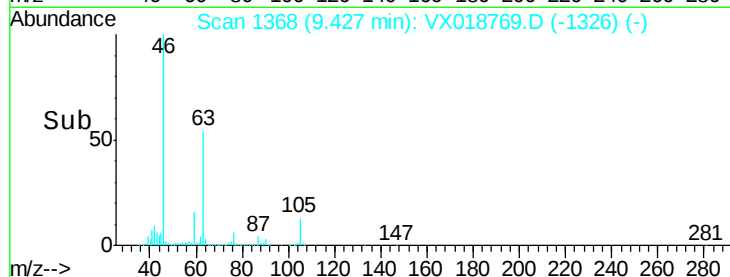
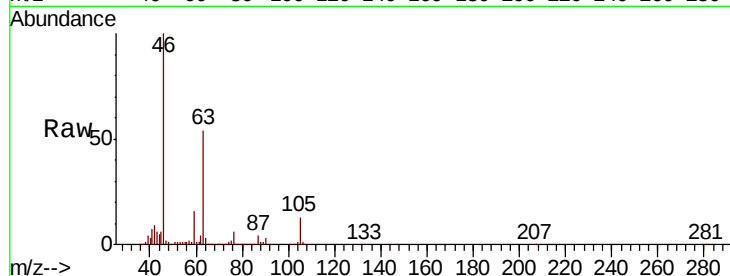




#50
2-Hexanone
Concen: 4.903 ug/L
RT: 9.43 min Scan# 1368
Delta R.T. -0.04 min
Lab File: VX018769.D
Acq: 05 Oct 2020 16:38

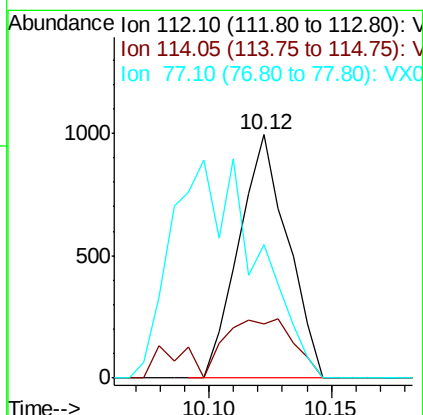
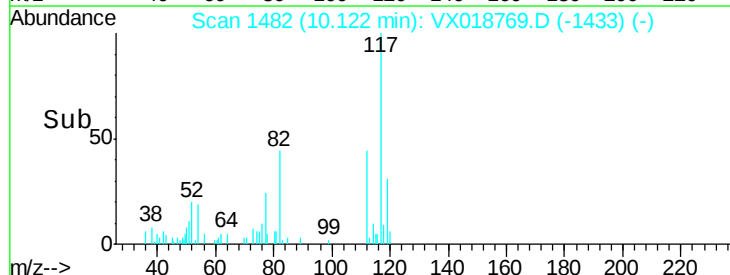
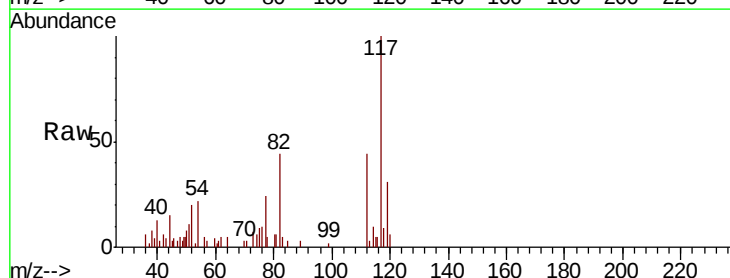
Instrument :
MSVOA_X
ClientSampleId :
BG3N3DL2

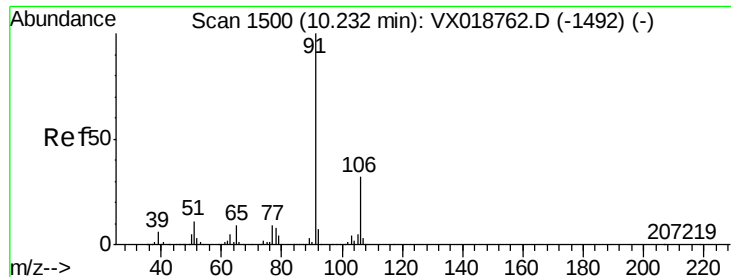
Tot Ion: 43 Resp: 15224
Ion Ratio Lower Upper
43 100
58 25.3 41.0 61.4#
57 26.9 15.9 23.9#
100 1.2 10.1 15.1#



#53
Chlorobenzene
Concen: 0.063 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018769.D
Acq: 05 Oct 2020 16:38

Tgt Ion: 112 Resp: 1389
Ion Ratio Lower Upper
112 100
114 22.4 21.3 39.5
77 66.6 42.4 63.6#





#54

Ethylbenzene

Concen: 0.263 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX018769.D

Acq: 05 Oct 2020 16:38

Instrument :

MSVOA_X

ClientSampled :

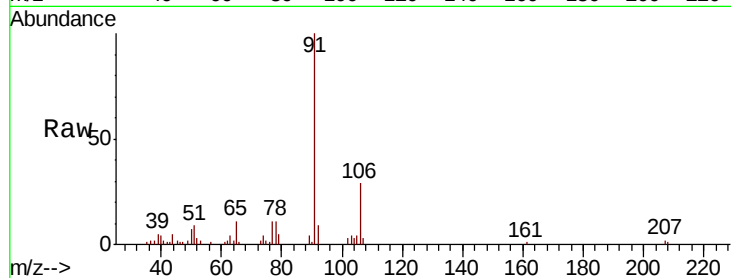
BG3N3DL2

Tot Ion: 91 Resp: 9509

Ion Ratio Lower Upper

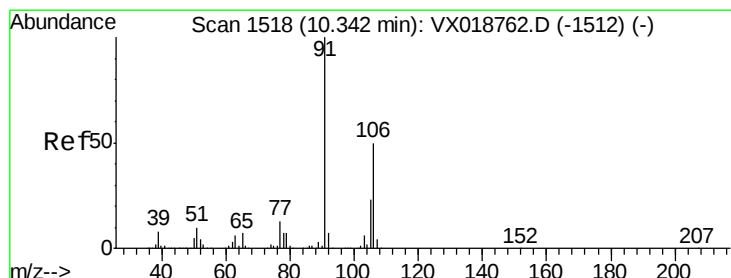
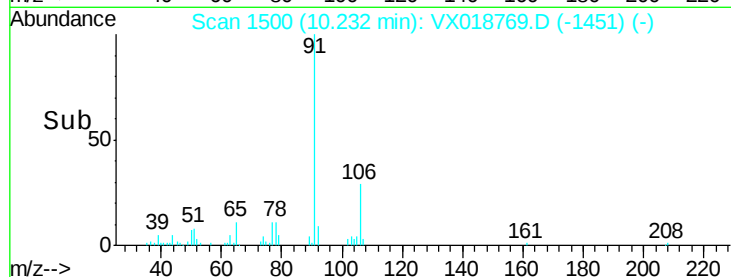
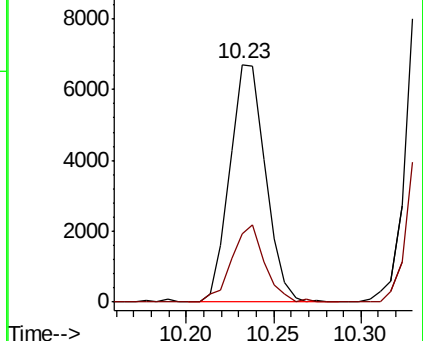
91 100

106 28.7 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V



#55

m,p-xylene

Concen: 0.796 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018769.D

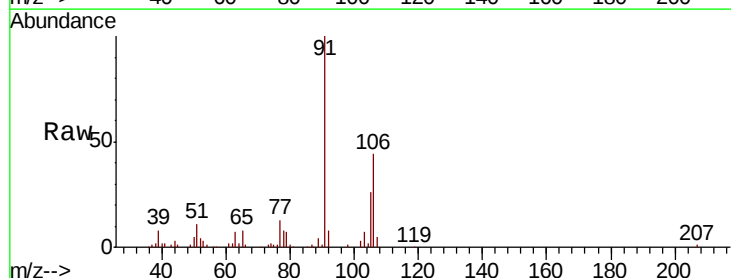
Acq: 05 Oct 2020 16:38

Tgt Ion: 106 Resp: 11223

Ion Ratio Lower Upper

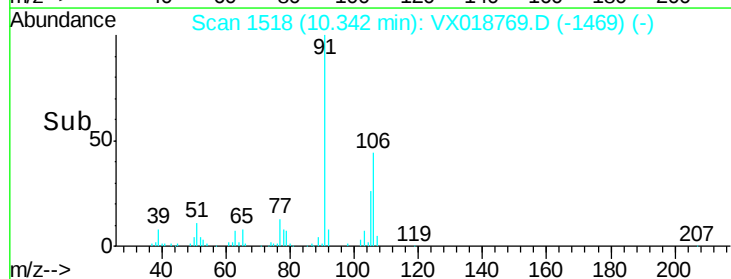
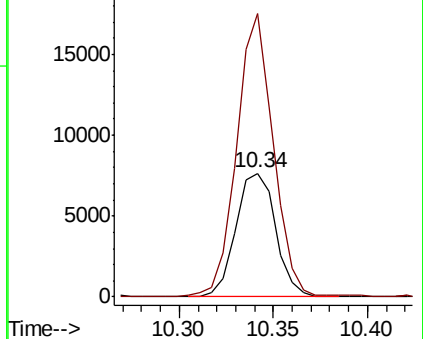
106 100

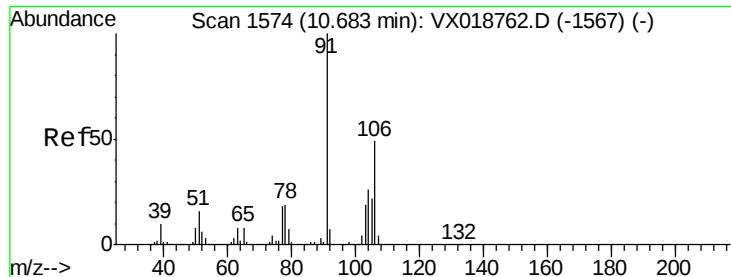
91 228.8 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#56

o-xylene

Concen: 0.559 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018769.D

Acq: 05 Oct 2020 16:38

Instrument :

MSVOA_X

ClientSampled :

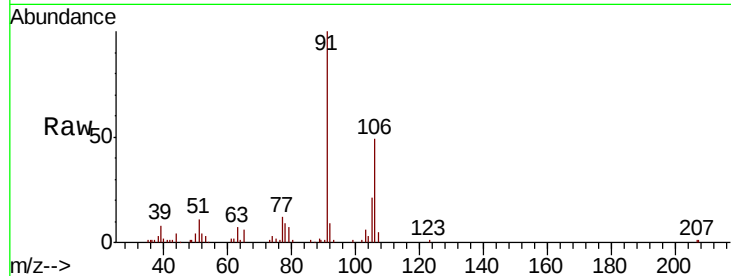
BG3N3DL2

Tot Ion:106 Resp: 7282

Ion Ratio Lower Upper

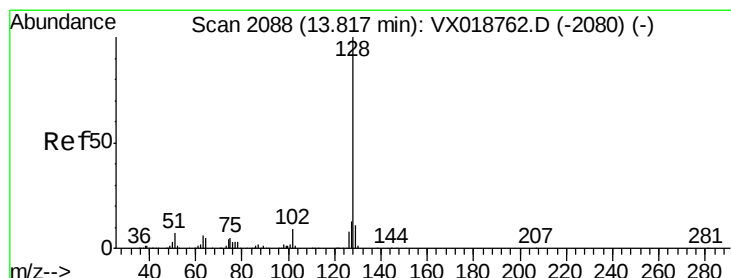
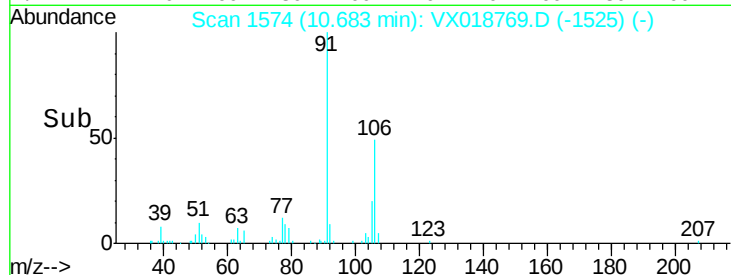
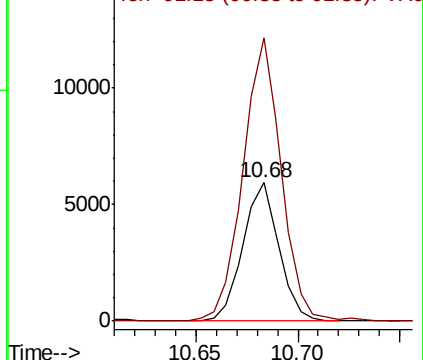
106 100

91 204.9 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#70

Naphthalene

Concen: 0.258 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018769.D

Acq: 05 Oct 2020 16:38

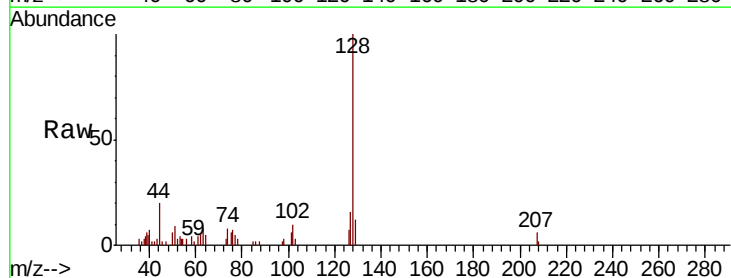
Tgt Ion:128 Resp: 4536

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.4

127 13.1 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

