

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100520\
 Data File : VX018766.D
 Acq On : 05 Oct 2020 15:21
 Operator : JC/SP
 Sample : L4239-02DL2 400X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N0DL2

Quant Time: Oct 06 01:44:59 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	170780	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	157805	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	77782	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	43446	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.70	69	36242	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.34	63	74608	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	4.57	46	143313	54.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.54%
24) Chloroform-d	5.14	84	103812	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	6.03	65	59208	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
32) Benzene-d6	6.05	84	198076	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	7.37	67	59924	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	8.70	98	176414	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
45) trans-1,3-Dichloropropene-	8.99	79	27643	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
48) 2-Hexanone-d5	9.43	63	118384	57.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.82%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	46821	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
65) 1,2-Dichlorobenzene-d4	12.36	152	73295	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	1.64	94	468	0.086	ug/L	97
12) 1,1-Dichloroethene	2.34	96	1032	0.121	ug/L #	1
15) Methyl Acetate	2.82	43	4728	1.347	ug/L #	49
16) Methylene chloride	2.83	84	2541	0.246	ug/L	82
19) 1,1-Dichloroethane	3.67	63	2919	0.180	ug/L #	88
22) cis-1,2-Dichloroethene	4.56	96	20614	2.194	ug/L #	93
29) 1,1,1-Trichloroethane	5.46	97	48347	2.590	ug/L	99
30) Cyclohexane	5.54	56	7624	0.589	ug/L	92
34) Trichloroethene	7.19	95	1042	0.107	ug/L #	71
35) Methylcyclohexane	7.37	83	15861	1.147	ug/L #	19
37) 1,2-Dichloropropane	7.37	63	7227	0.873	ug/L #	84
42) Toluene	8.76	91	456634	12.628	ug/L	98
43) 1,3,5-Trimethylbenzene	11.49	105	32092	0.938	ug/L	99
44) 1,2,4-Trimethylbenzene	11.79	105	113123	3.257	ug/L	95
50) 2-Hexanone	9.43	43	15296	4.391	ug/L #	70
54) Ethylbenzene	10.23	91	18852	0.465	ug/L	91
55) m,p-xylene	10.34	106	27045	1.710	ug/L	94

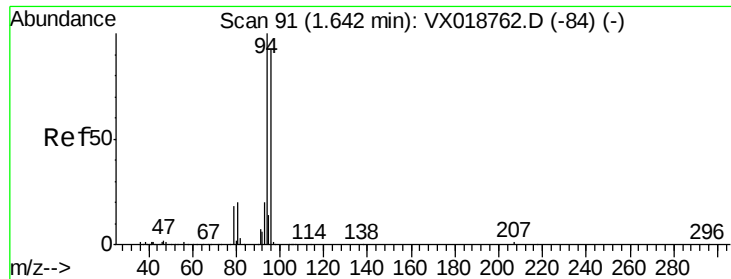
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
Data File : VX018766.D
Acq On : 05 Oct 2020 15:21
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Quant Time: Oct 06 01:44:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 06 01:36:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) o-xylene	10.68	106	13509	0.925	ug/L	87
58) Isopropylbenzene	11.00	105	6190	0.151	ug/L	94
64) 1,4-Dichlorobenzene	12.08	146	2024	0.107	ug/L	93
66) 1,2-Dichlorobenzene	12.37	146	1319	0.075	ug/L #	81
69) 1,2,4-trichlorobenzene	13.63	180	958	0.079	ug/L	96
70) Naphthalene	13.82	128	9979	0.505	ug/L	98

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



#6

Bromomethane

Concen: 0.086 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX018766.D

Acq: 05 Oct 2020 15:21

Instrument :

MSVOA_X

ClientSampled :

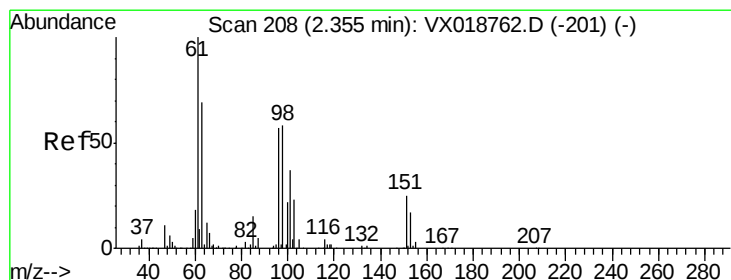
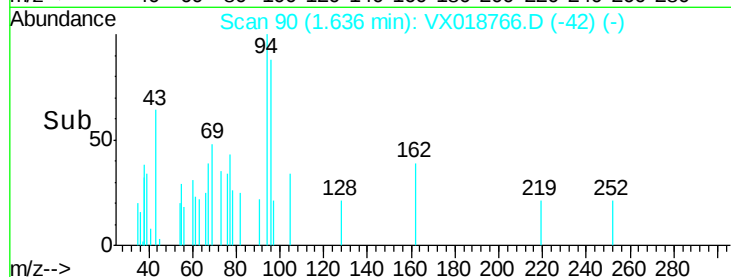
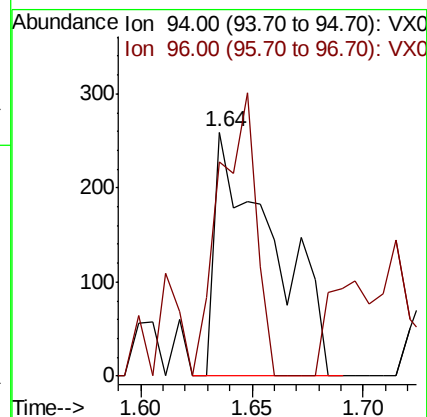
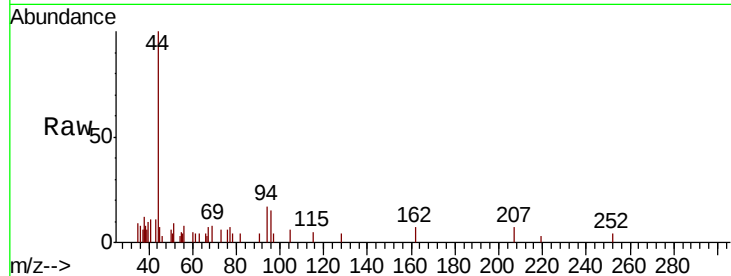
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Tot Ion: 94 Resp: 468

Ion Ratio Lower Upper

94 100

96 88.0 63.5 117.9



#12

1,1-Dichloroethene

Concen: 0.121 ug/L

RT: 2.34 min Scan# 205

Delta R.T. -0.02 min

Lab File: VX018766.D

Acq: 05 Oct 2020 15:21

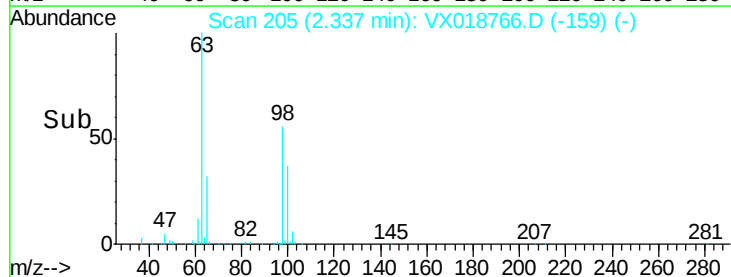
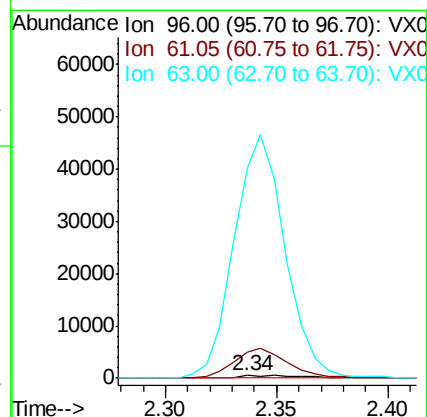
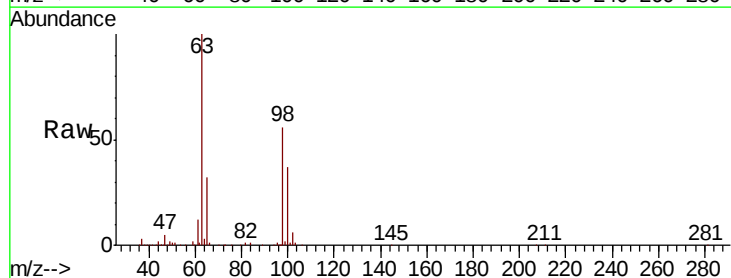
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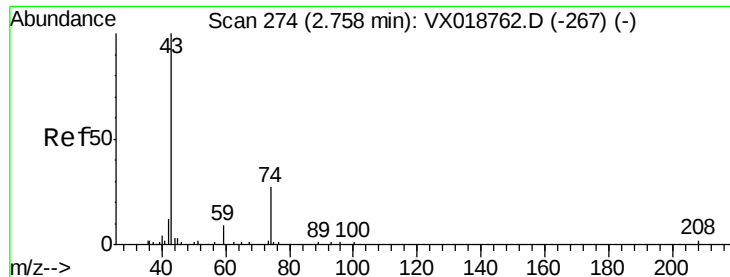
Ion Ratio Lower Upper

96 100

61 920.5 133.2 247.4#

63 7452.9 115.1 213.7#

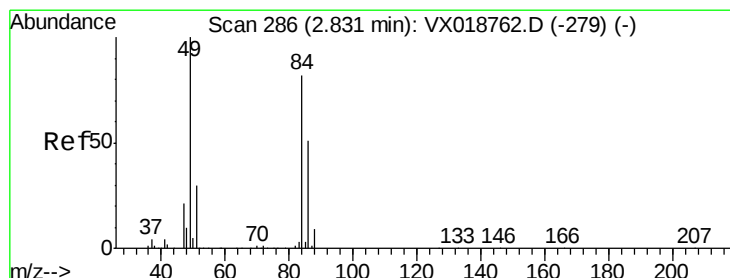
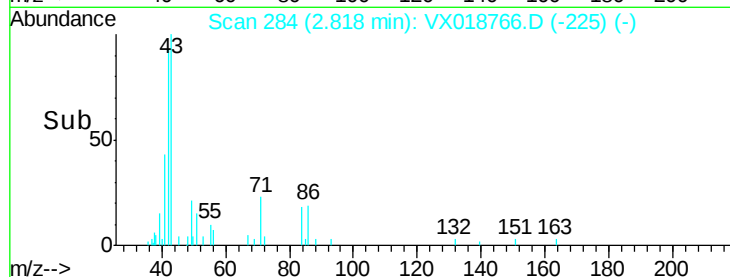
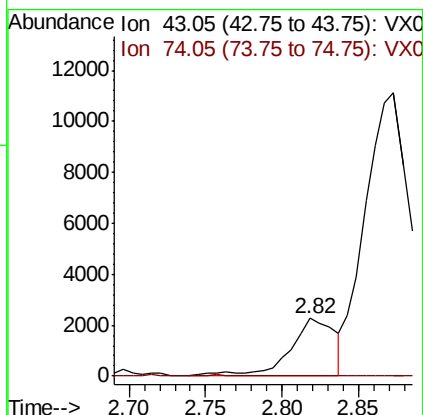
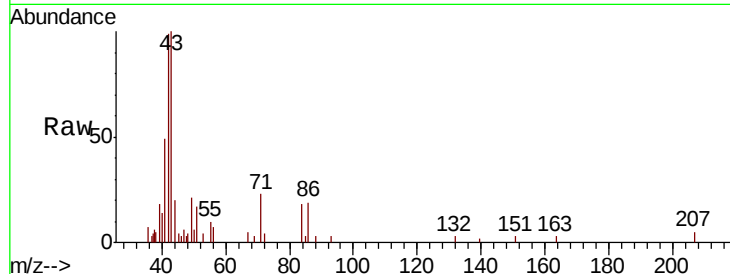




#15
Methyl Acetate
Concen: 1.347 ug/L
RT: 2.82 min Scan# 284
Delta R.T. 0.06 min
Lab File: VX018766.D
Acq: 05 Oct 2020 15:21

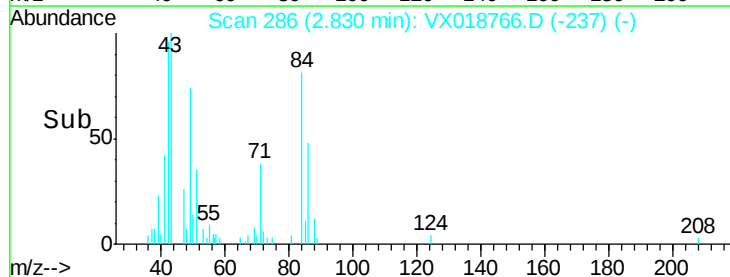
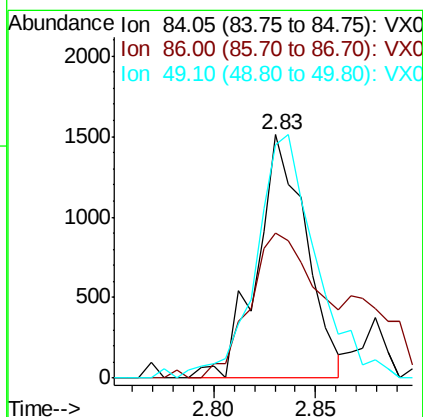
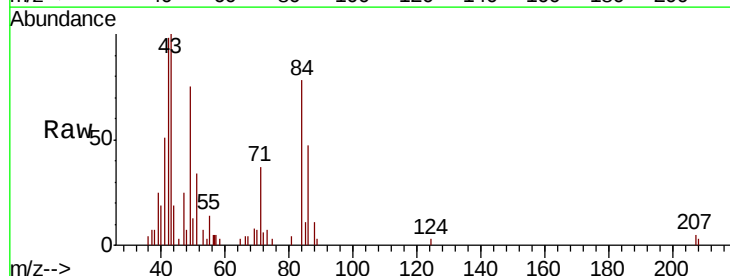
Instrument :
MSVOA_X
ClientSampled :
BG3N0DL2

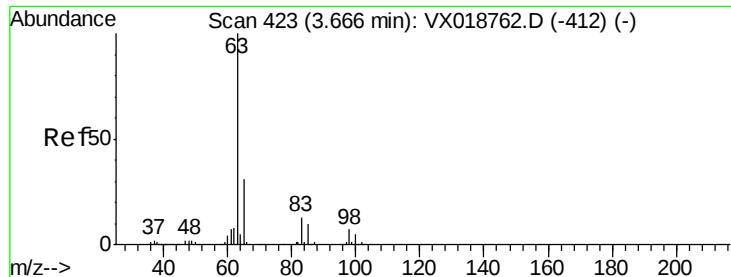
Tot Ion: 43 Resp: 4728
Ion Ratio Lower Upper
43 100
74 0.7 21.9 32.9#



#16
Methylene chloride
Concen: 0.246 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX018766.D
Acq: 05 Oct 2020 15:21

Tgt Ion: 84 Resp: 2541
Ion Ratio Lower Upper
84 100
86 59.9 45.6 84.8
49 96.0 85.8 159.3

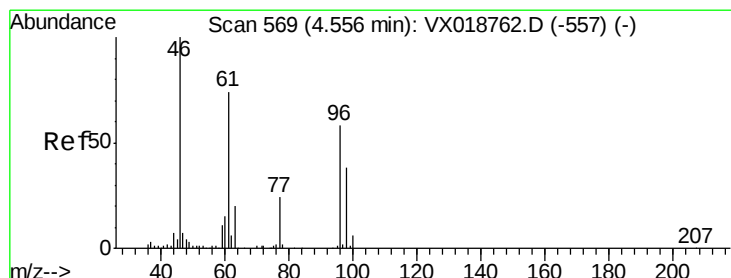
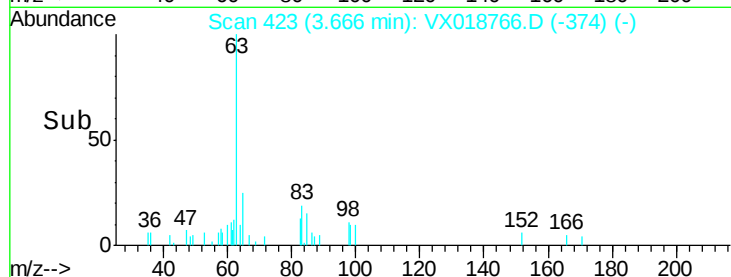
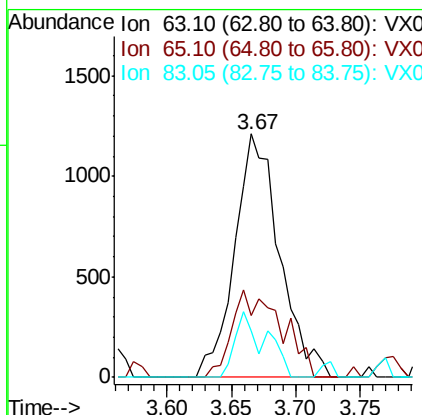
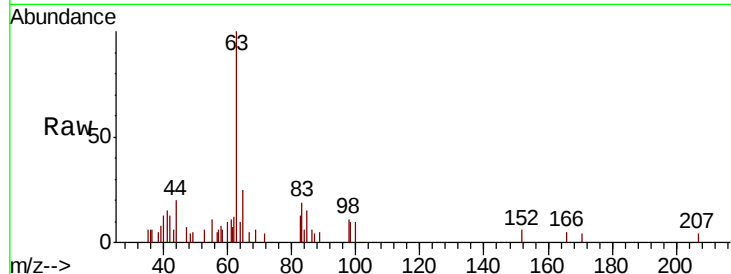




#19
 1,1-Dichloroethane
 Concen: 0.180 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: VX018766.D
 Acq: 05 Oct 2020 15:21

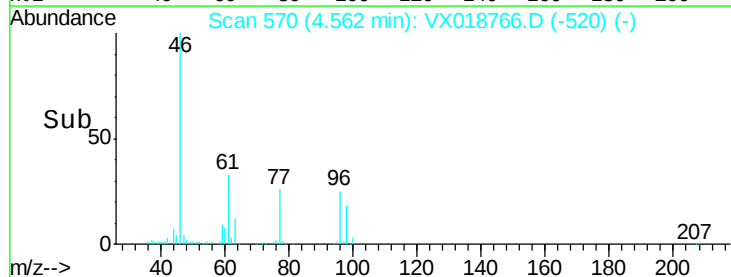
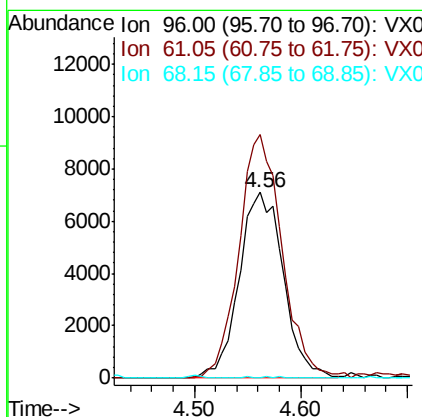
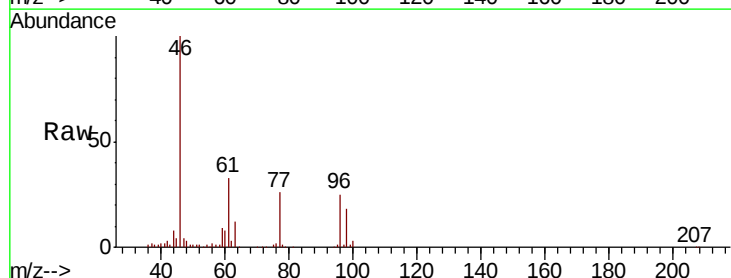
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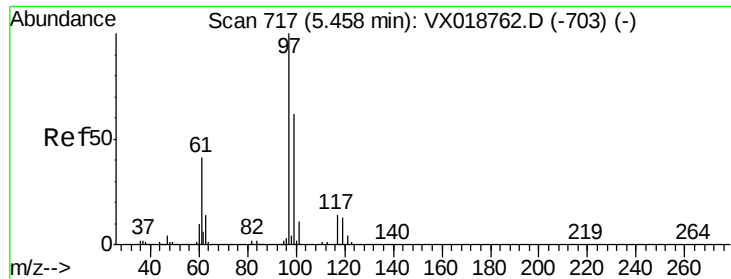
Tot Ion: 63 Resp: 2919
 Ion Ratio Lower Upper
 63 100
 65 25.2 21.6 40.2
 83 19.1 8.7 16.1#



#22
 cis-1,2-Dichloroethene
 Concen: 2.194 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX018766.D
 Acq: 05 Oct 2020 15:21

Tgt Ion: 96 Resp: 20614
 Ion Ratio Lower Upper
 96 100
 61 131.1 86.2 160.0
 68 0.0 0.3 0.7#

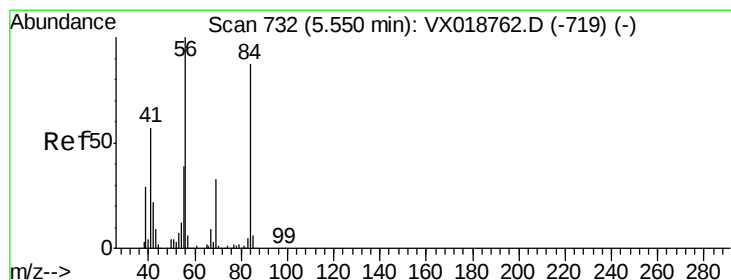
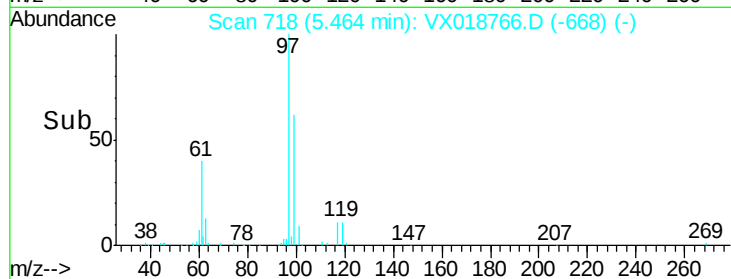
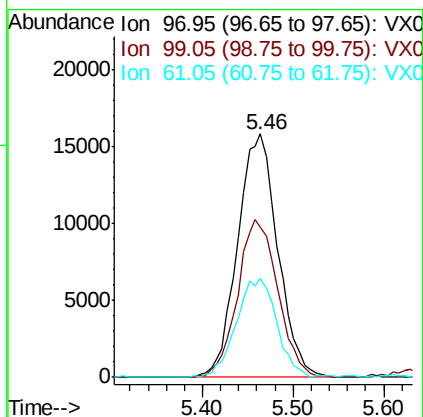
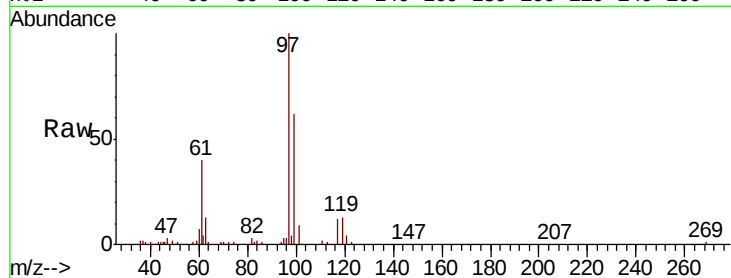




#29
 1,1,1-Trichloroethane
 Concen: 2.590 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX018766.D
 Acq: 05 Oct 2020 15:21

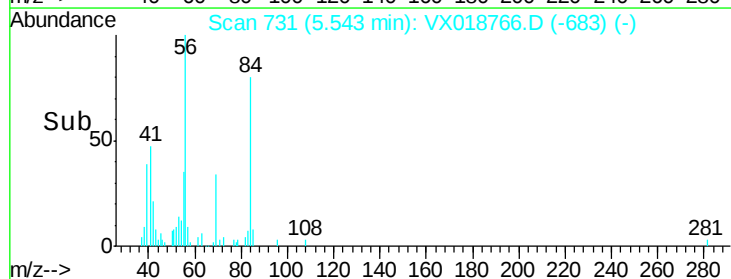
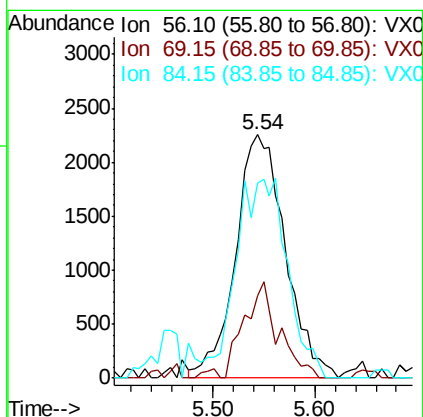
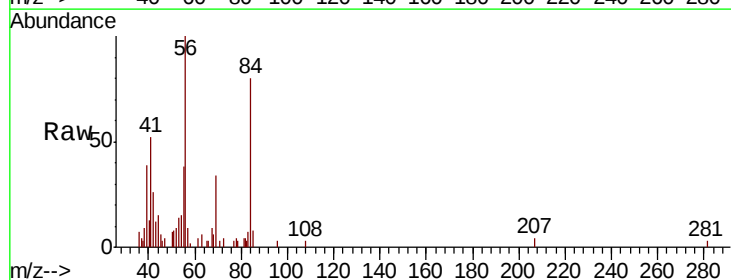
Instrument :
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 ClientSampled :
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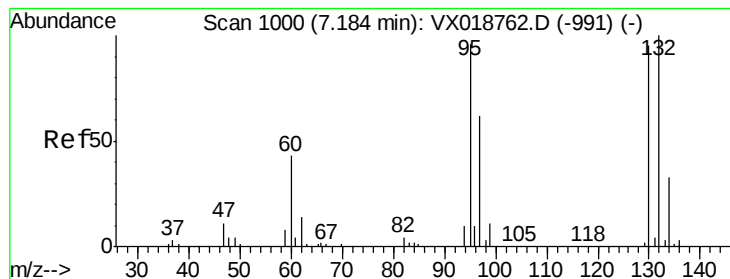
Tot Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.3	76.9
61	41.0	33.3	49.9



#30
 Cyclohexane
 Concen: 0.589 ug/L
 RT: 5.54 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: VX018766.D
 Acq: 05 Oct 2020 15:21

Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.6	26.0	39.0
84	84.7	73.8	110.6





#34

Trichloroethene

Concen: 0.107 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX018766.D

Acq: 05 Oct 2020 15:21

Instrument :

MSVOA_X

ClientSampled :

BG3N0DL2

Tot Ion: 95 Resp: 1042

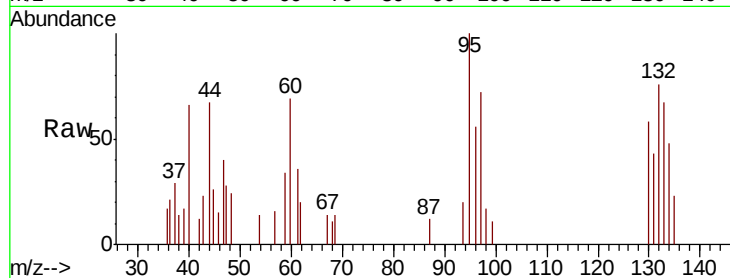
Ion Ratio Lower Upper

95 100

97 72.5 45.3 84.1

132 76.4 68.6 127.4

130 57.6 74.5 138.3#

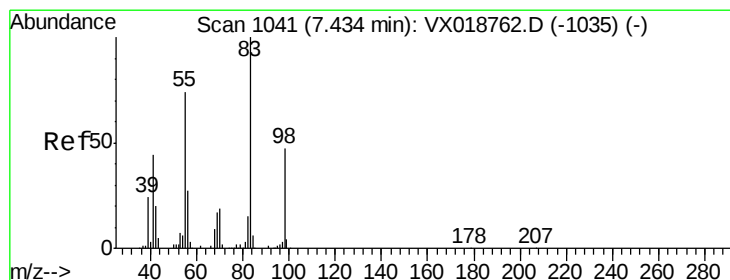
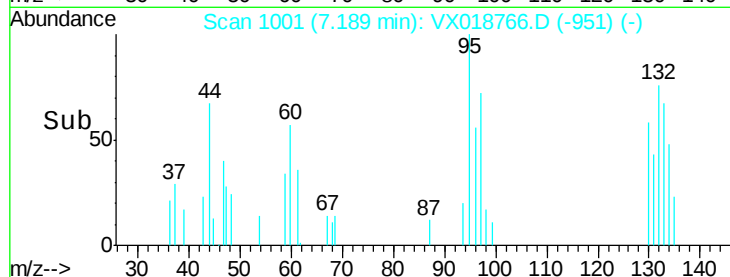
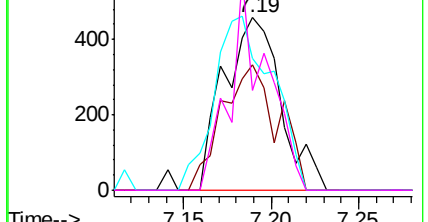


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 1.147 ug/L

RT: 7.37 min Scan# 1030

Delta R.T. -0.07 min

Lab File: VX018766.D

Acq: 05 Oct 2020 15:21

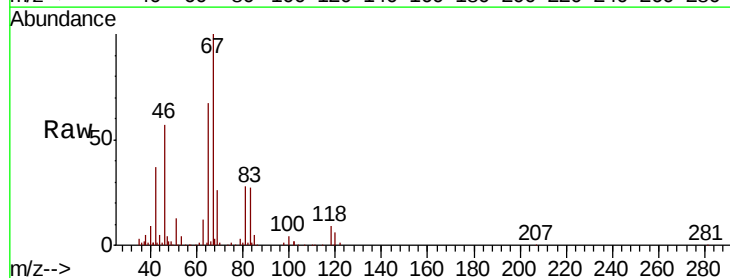
Tgt Ion: 83 Resp: 15861

Ion Ratio Lower Upper

83 100

55 0.8 60.3 90.5#

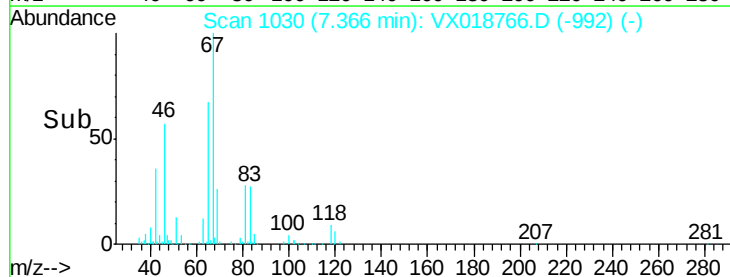
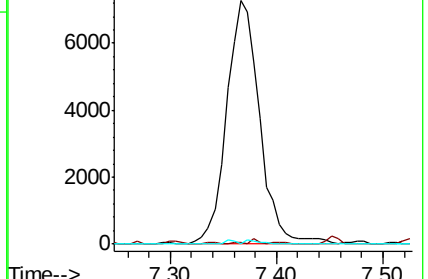
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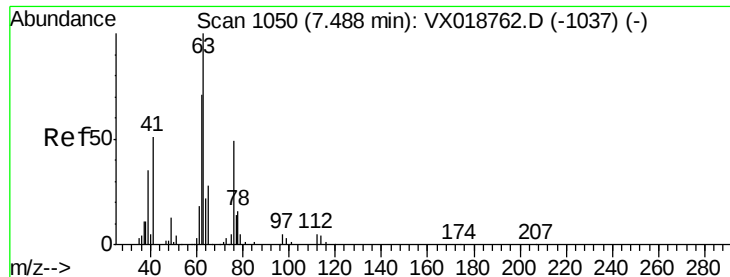


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

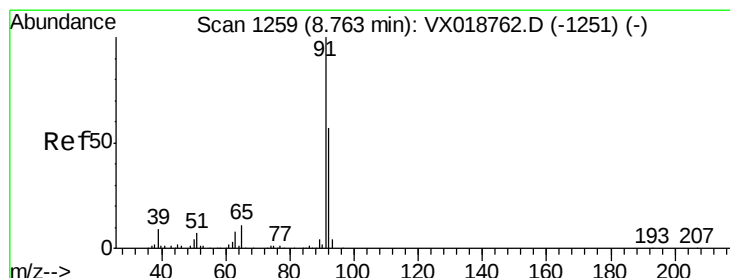
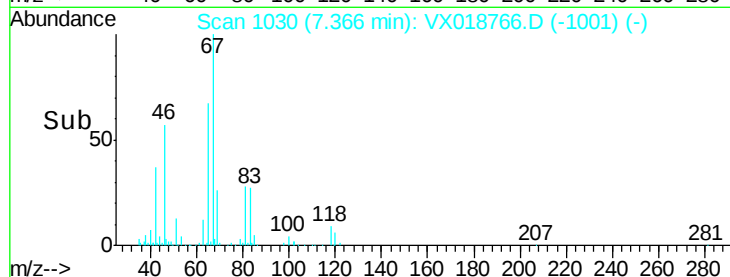
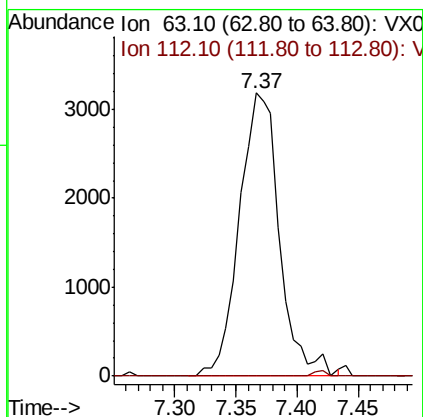
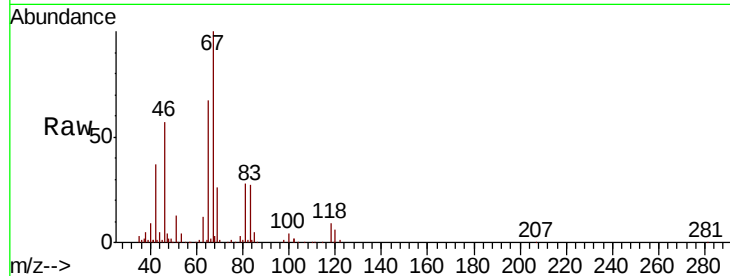




#37
 1,2-Dichloropropane
 Concen: 0.873 ug/L
 RT: 7.37 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VX018766.D
 Acq: 05 Oct 2020 15:21

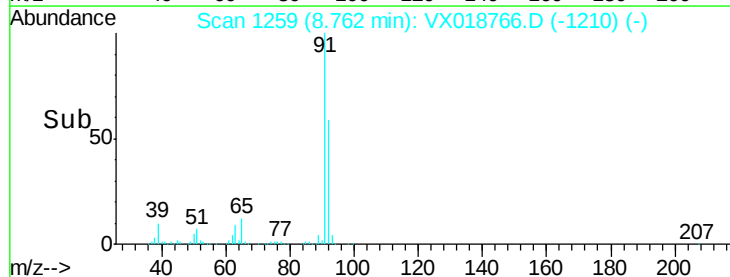
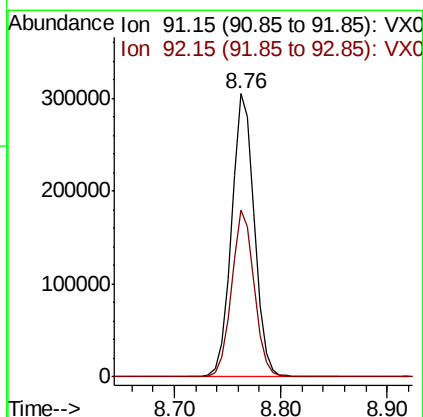
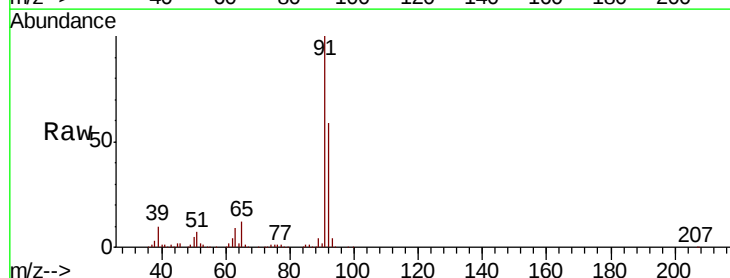
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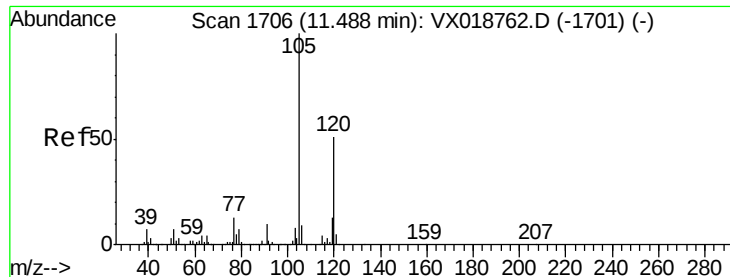
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 Ion Ratio Lower Upper
 63 100
 112 0.6 4.7 7.1#



#42
 Toluene
 Concen: 12.628 ug/L
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VX018766.D
 Acq: 05 Oct 2020 15:21

Tgt Ion: 91 Resp: 456634
 Ion Ratio Lower Upper
 91 100
 92 58.8 40.3 74.9



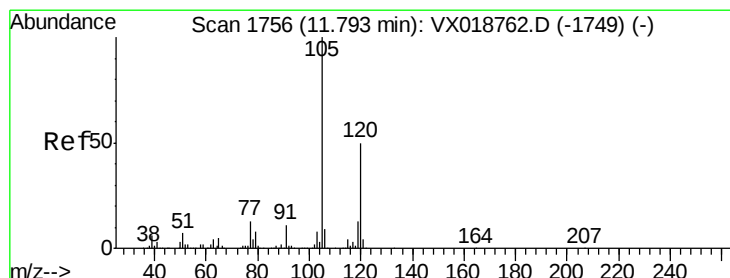
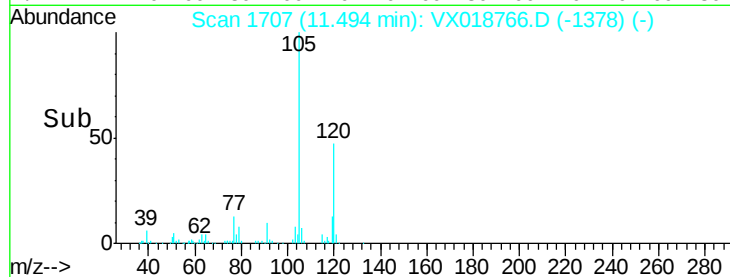
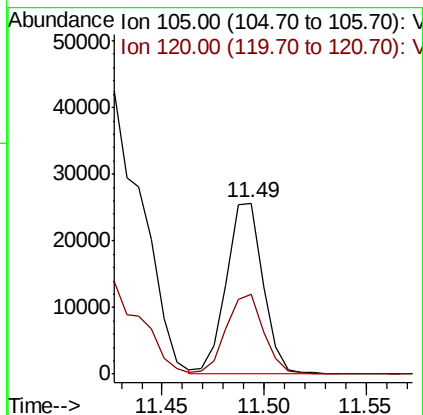
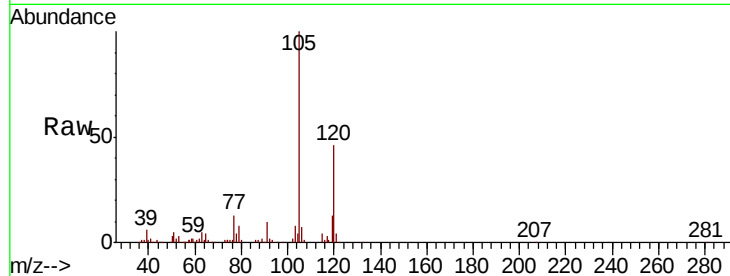


#43

1,3,5-Trimethylbenzene
Concen: 0.938 ug/L
RT: 11.49 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VX018766.D
Acq: 05 Oct 2020 15:21

Instrument :
MSVOA_X
ClientSampleId :
BG3N0DL2

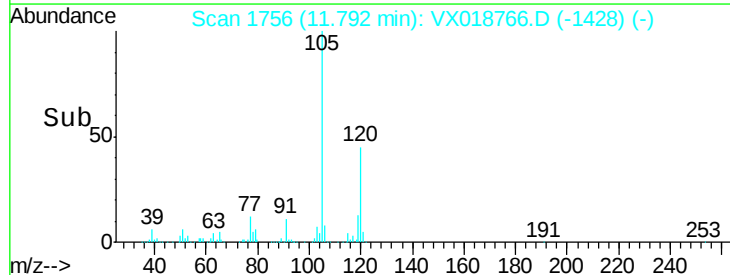
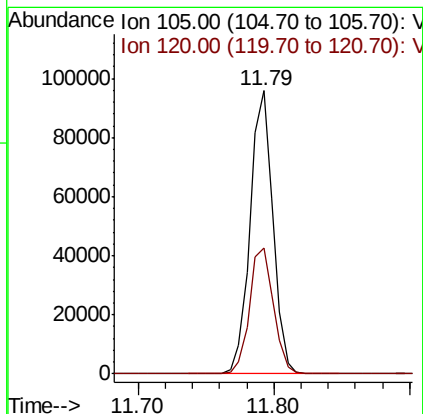
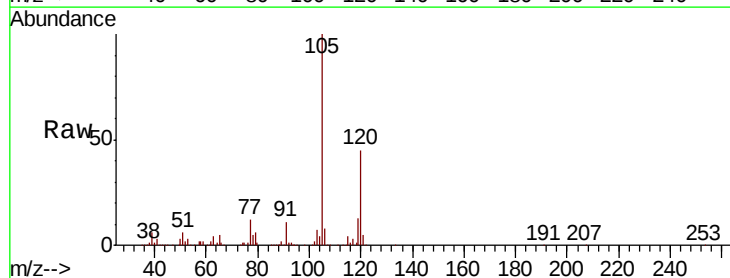
Tot Ion:105 Resp: 32092
Ion Ratio Lower Upper
105 100
120 47.6 37.7 56.5

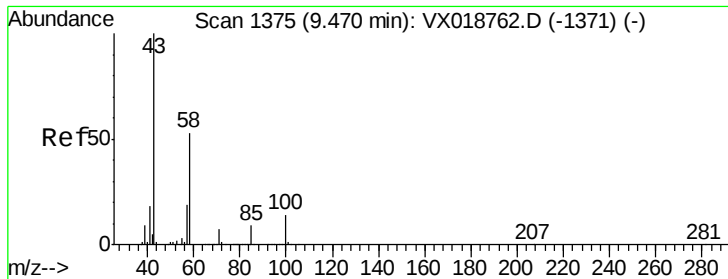


#44

1,2,4-Trimethylbenzene
Concen: 3.257 ug/L
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX018766.D
Acq: 05 Oct 2020 15:21

Tgt Ion:105 Resp: 113123
Ion Ratio Lower Upper
105 100
120 46.9 35.1 52.7

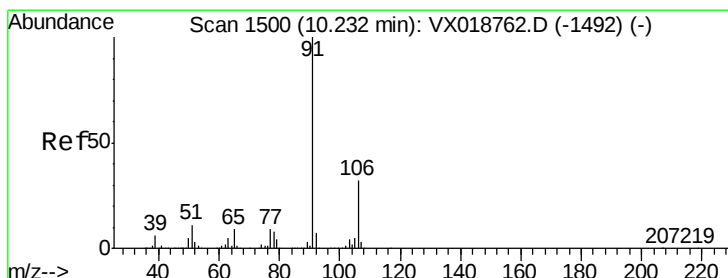
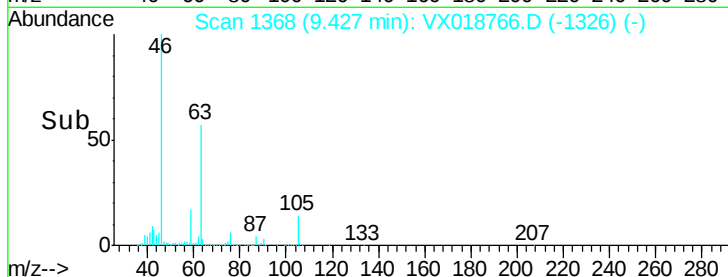
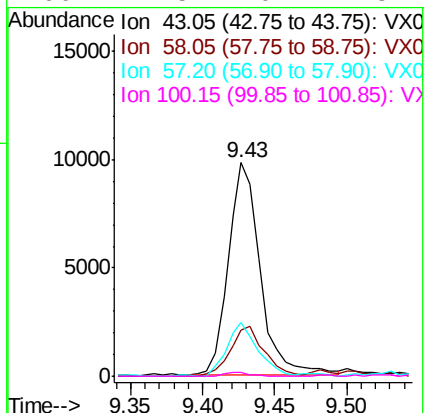
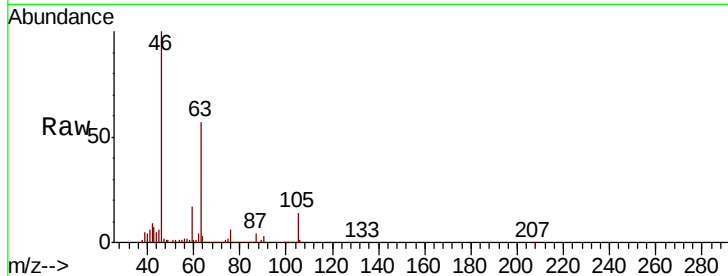




#50
2-Hexanone
Concen: 4.391 ug/L
RT: 9.43 min Scan# 1368
Delta R.T. -0.04 min
Lab File: VX018766.D
Acq: 05 Oct 2020 15:21

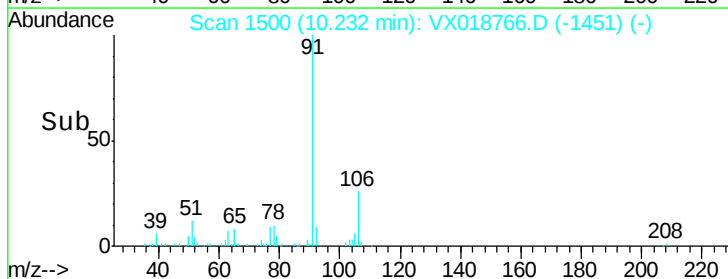
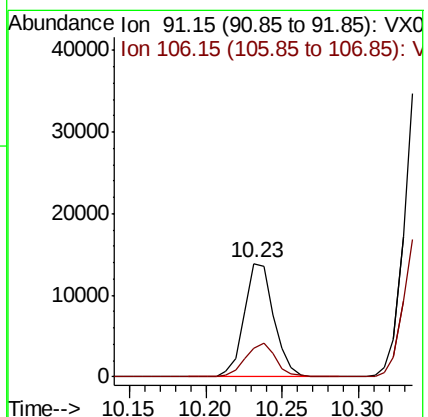
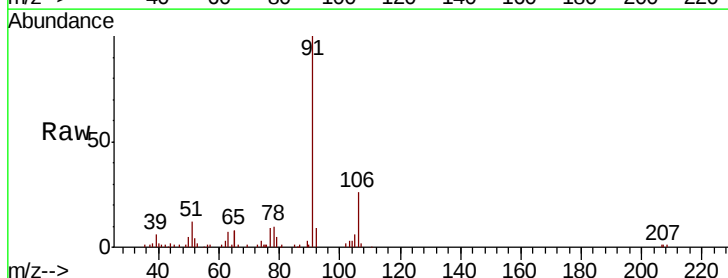
Instrument :
MSVOA_X
ClientSampled :
BG3N0DL2

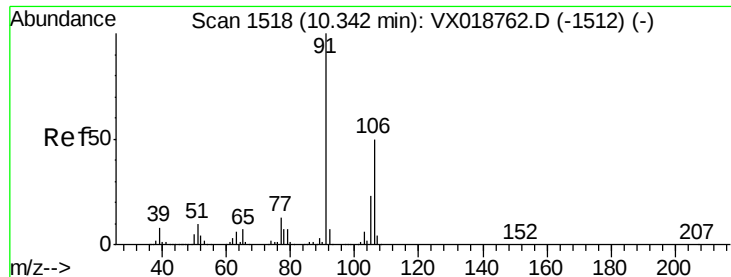
Tot Ion	Ratio	Lower	Upper
43	100		
58	24.7	41.0	61.4#
57	24.4	15.9	23.9#
100	1.5	10.1	15.1#



#54
Ethylbenzene
Concen: 0.465 ug/L
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX018766.D
Acq: 05 Oct 2020 15:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.6	21.5	39.9





#55

m,p-xylene

Concen: 1.710 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018766.D

Acq: 05 Oct 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

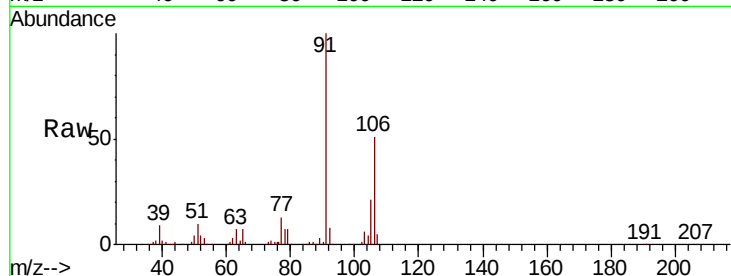
BG3N0DL2

Tot Ion:106 Resp: 27045

Ion Ratio Lower Upper

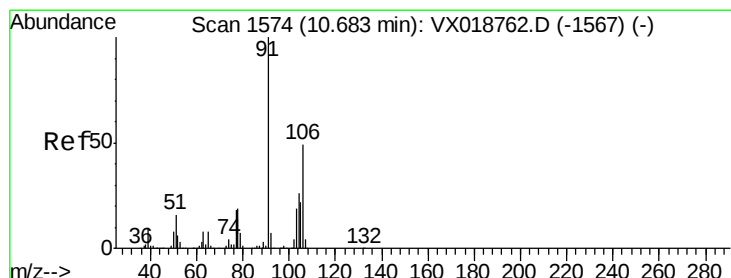
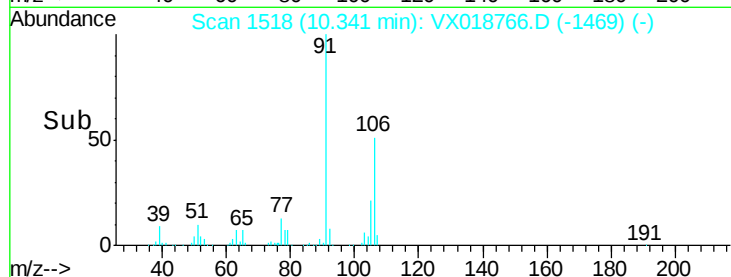
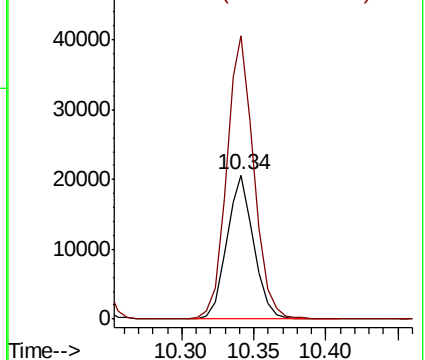
106 100

91 196.1 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.925 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018766.D

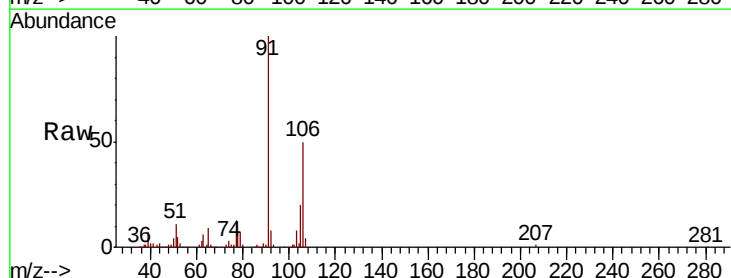
Acq: 05 Oct 2020 15:21

Tgt Ion:106 Resp: 13509

Ion Ratio Lower Upper

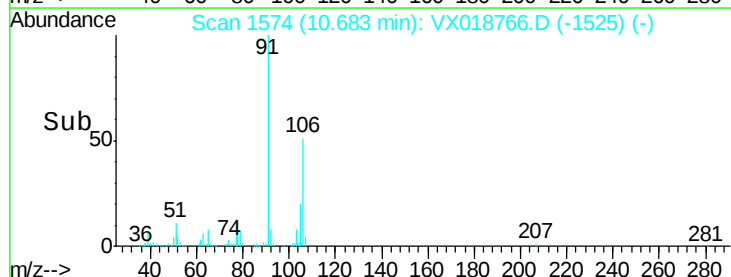
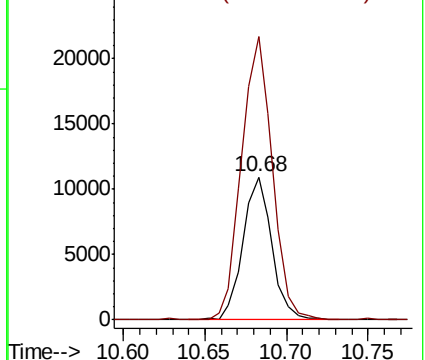
106 100

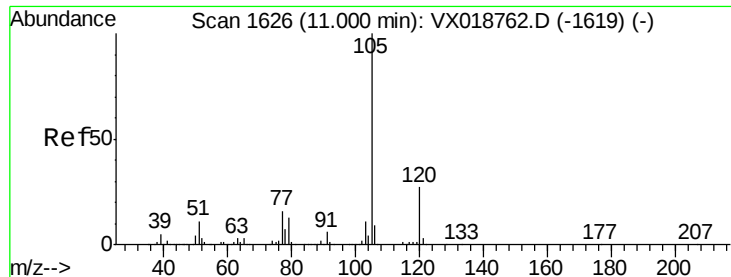
91 198.4 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 0.151 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX018766.D

Acq: 05 Oct 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

BG3N0DL2

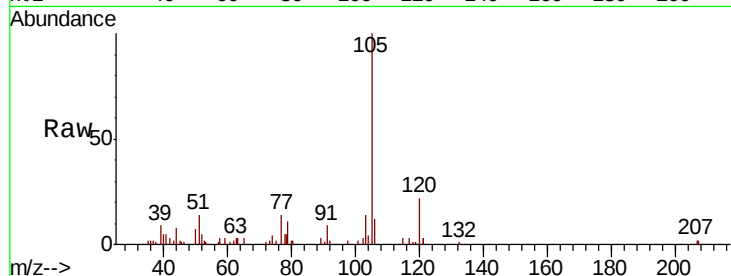
Tot Ion:105 Resp: 6190

Ion Ratio Lower Upper

105 100

120 29.2 20.2 30.2

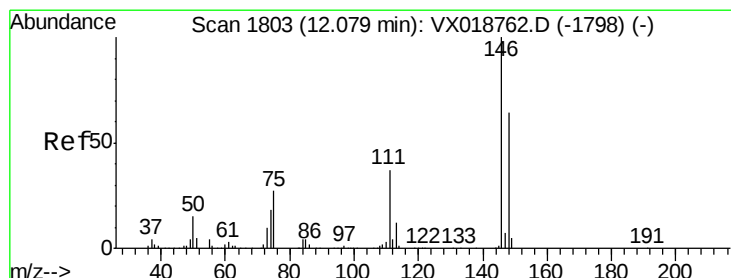
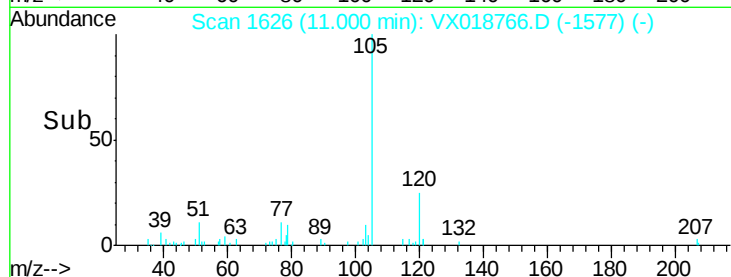
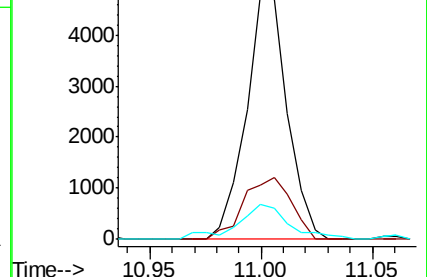
77 17.7 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#64

1,4-Dichlorobenzene

Concen: 0.107 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX018766.D

Acq: 05 Oct 2020 15:21

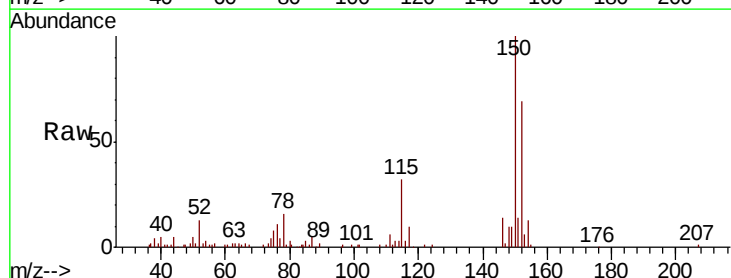
Tgt Ion:146 Resp: 2024

Ion Ratio Lower Upper

146 100

111 42.2 28.6 53.2

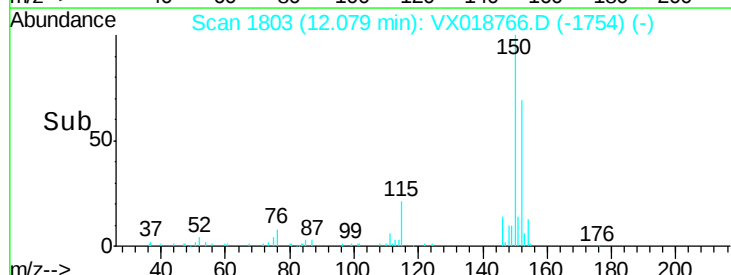
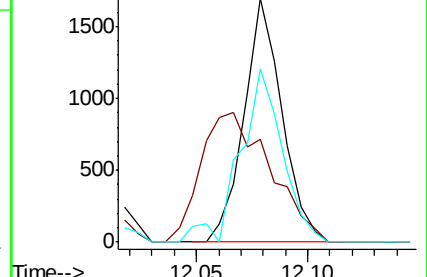
148 71.2 44.2 82.0

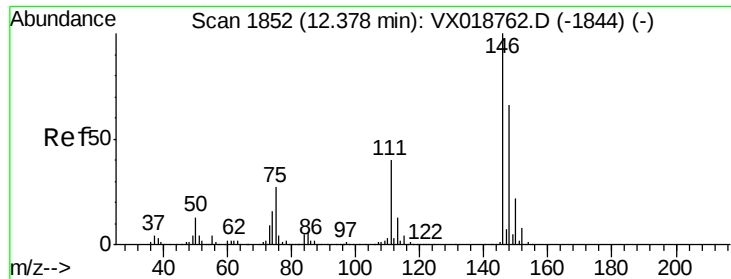


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

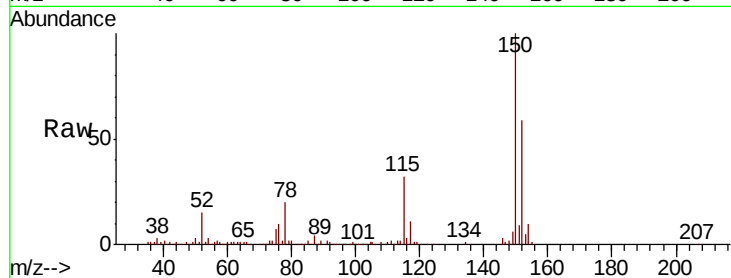




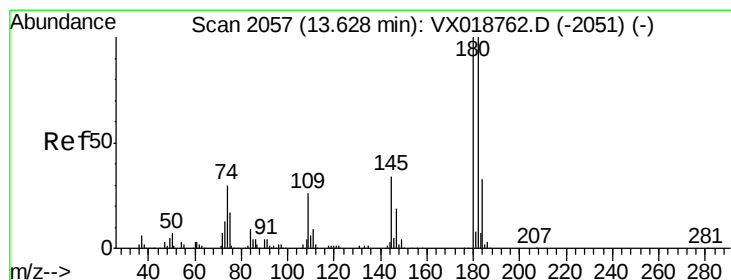
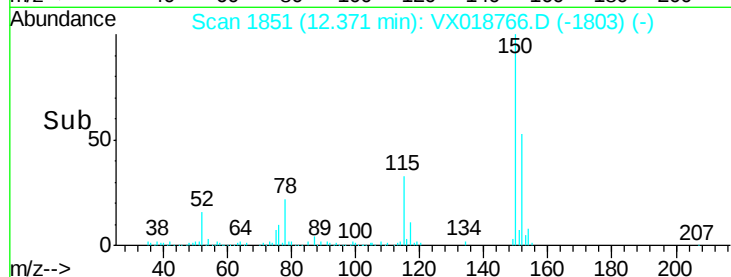
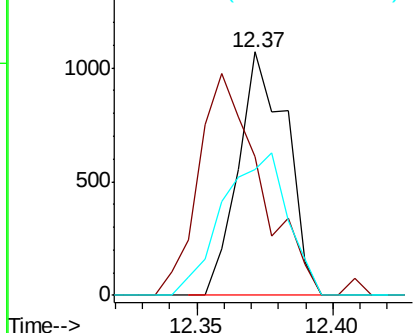
#66
 1,2-Dichlorobenzene
 Concen: 0.075 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX018766.D
 Acq: 05 Oct 2020 15:21

Instrument :
 MSVOA_X
 ClientSampled :
 BG3N0DL2

Tot Ion:146 Resp: 1319
 Ion Ratio Lower Upper
 146 100
 111 56.8 31.7 47.5#
 148 51.6 49.0 73.6

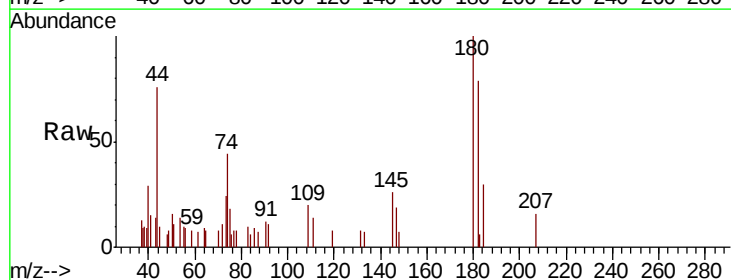


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

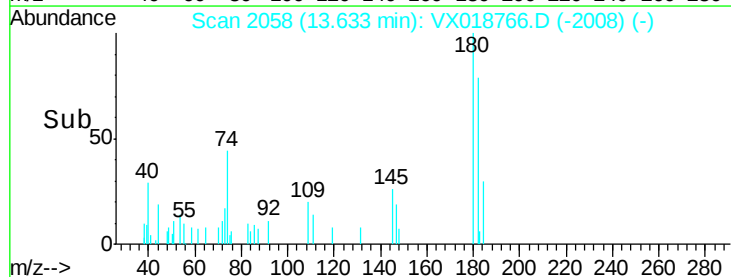
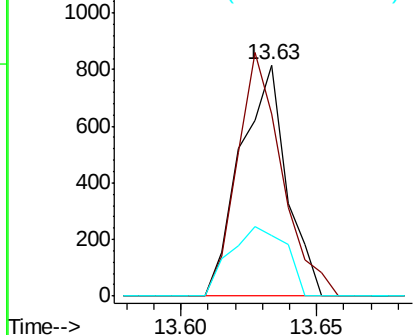


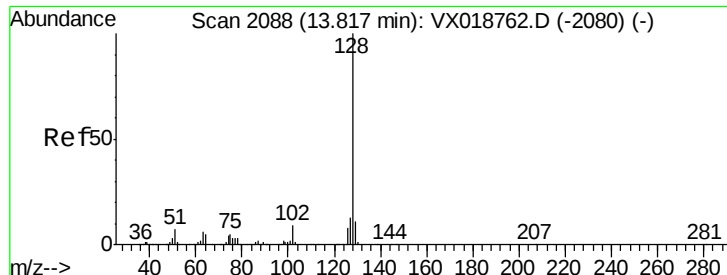
#69
 1,2,4-trichlorobenzene
 Concen: 0.079 ug/L
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX018766.D
 Acq: 05 Oct 2020 15:21

Tgt Ion:180 Resp: 958
 Ion Ratio Lower Upper
 180 100
 182 102.3 80.2 120.4
 145 36.3 25.2 37.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#70

Naphthalene

Concen: 0.505 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018766.D

Acq: 05 Oct 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

BG3N0DL2

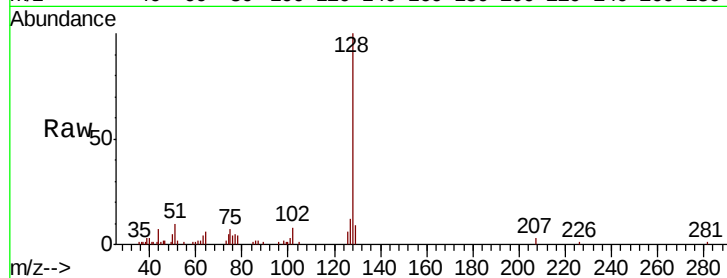
Tot Ion:128 Resp: 9979

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.4

127 13.8 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

