

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092820\
 Data File : VX018636.D
 Acq On : 28 Sep 2020 23:45
 Operator : JC/SP
 Sample : L4135-16
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG489

Quant Time: Sep 29 02:41:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 29 02:30:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	267675	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	250317	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	125069	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	66210	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.70	69	53268	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.34	63	115209	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	4.54	46	194343	54.41	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.82%
24) Chloroform-d	5.14	84	158048	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	6.03	65	85203	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
32) Benzene-d6	6.05	84	293883	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	7.37	67	93052	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	8.70	98	270363	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
45) trans-1,3-Dichloropropene-	8.99	79	36517	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
48) 2-Hexanone-d5	9.43	63	154853	55.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.44%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	65398	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	104200	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.31	50	2062	0.149	ug/L #	66
8) Chloroethane	1.73	64	2918	0.366	ug/L #	54
12) 1,1-Dichloroethene	2.34	96	1507	0.115	ug/L #	1
13) Acetone	2.45	43	7361	3.723	ug/L	81
14) Carbon disulfide	2.56	76	4388	0.110	ug/L	99
16) Methylene chloride	2.83	84	3066	0.172	ug/L	94
22) cis-1,2-Dichloroethene	4.56	96	2953	0.217	ug/L #	79
30) Cyclohexane	5.55	56	2138	0.113	ug/L #	89
33) Benzene	6.12	78	10454	0.217	ug/L	100
35) Methylcyclohexane	7.37	83	23778	1.224	ug/L #	16
37) 1,2-Dichloropropane	7.37	63	11524	0.895	ug/L #	87
53) Chlorobenzene	10.12	112	260327	7.560	ug/L	98
55) m,p-xylene	10.34	106	1658	0.076	ug/L #	50
56) o-xylene	10.68	106	1368	0.067	ug/L	73
58) Isopropylbenzene	11.00	105	11831	0.215	ug/L #	93
63) 1,3-Dichlorobenzene	12.01	146	2138	0.079	ug/L #	76
64) 1,4-Dichlorobenzene	12.08	146	43012	1.566	ug/L	91

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 29 02:30:52 2020
Response via : Initial Calibration

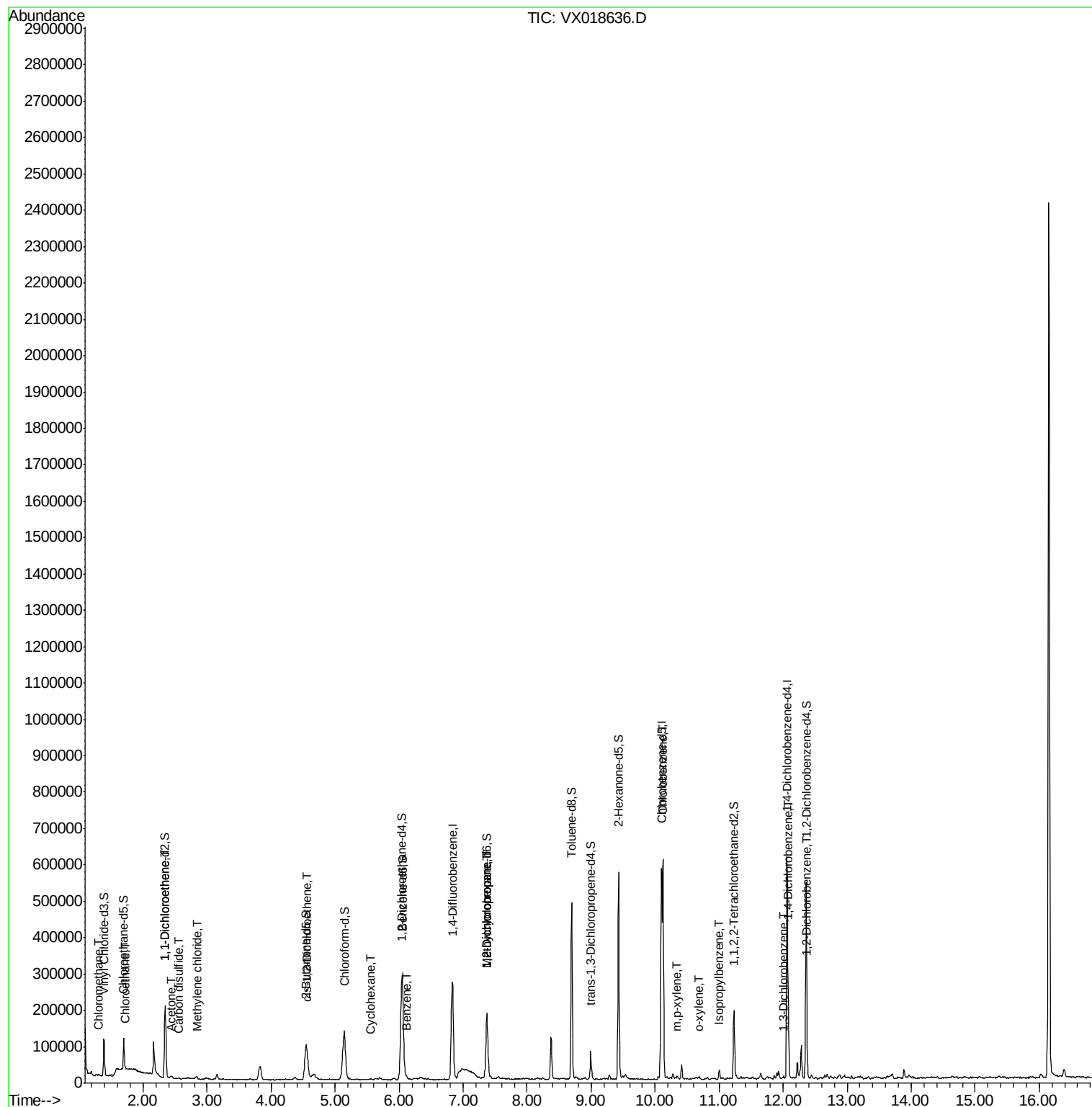
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
66) 1,2-Dichlorobenzene	12.38	146	8526	0.337	ug/L #	89
-----	-----	-----	-----	-----	-----	-----

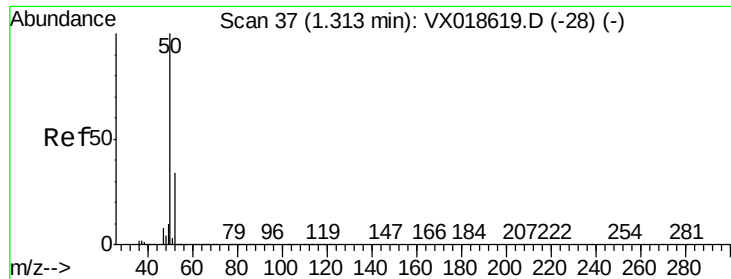
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.149 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018636.D

Acq: 28 Sep 2020 23:45

Instrument :

MSVOA_X

ClientSampleId :

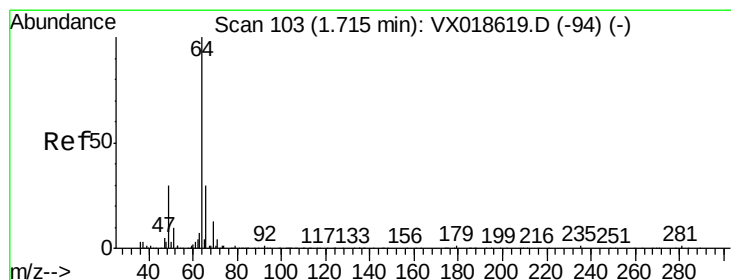
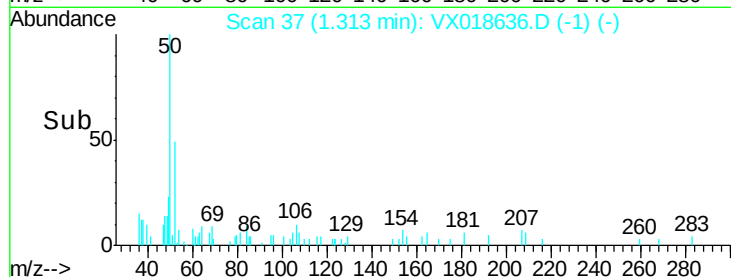
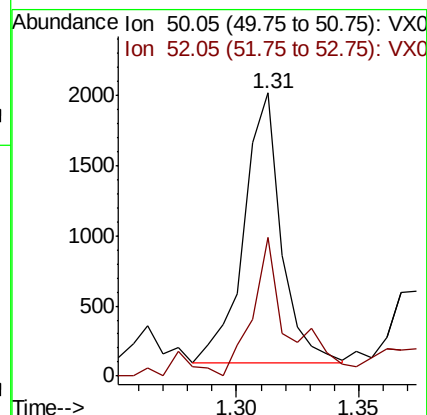
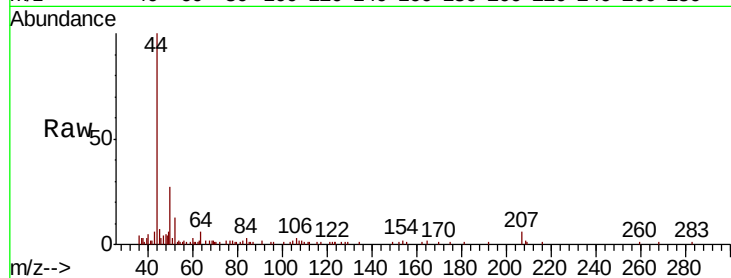
BG489

Tot Ion: 50 Resp: 2062

Ion Ratio Lower Upper

50 100

52 49.1 21.2 39.4#



#8

Chloroethane

Concen: 0.366 ug/L

RT: 1.73 min Scan# 105

Delta R.T. 0.01 min

Lab File: VX018636.D

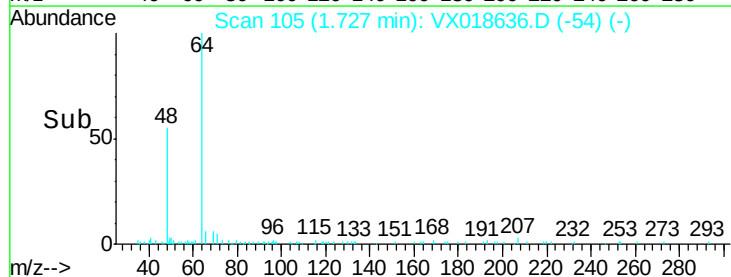
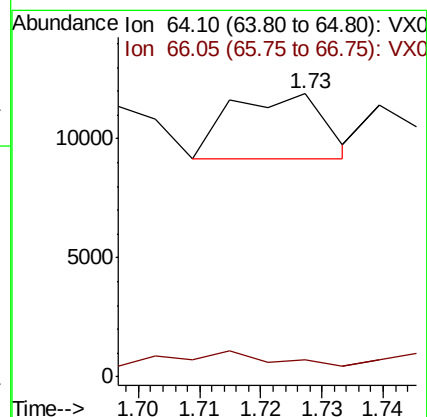
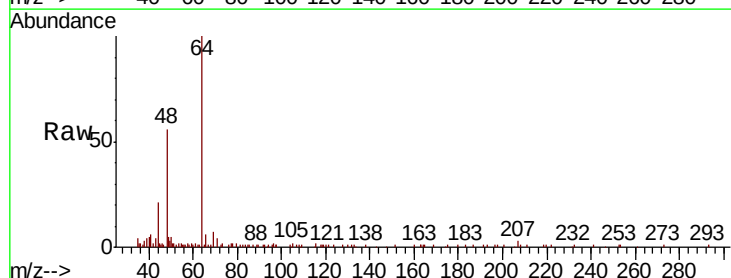
Acq: 28 Sep 2020 23:45

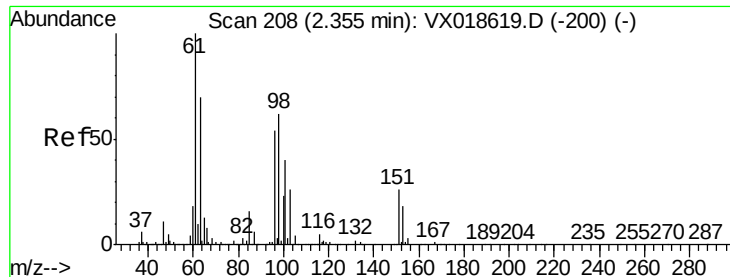
Tgt Ion: 64 Resp: 2918

Ion Ratio Lower Upper

64 100

66 6.2 22.3 41.3#





#12

1,1-Dichloroethene

Concen: 0.115 ug/L

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX018636.D

Acq: 28 Sep 2020 23:45

Instrument :

MSVOA_X

ClientSampleId :

BG489

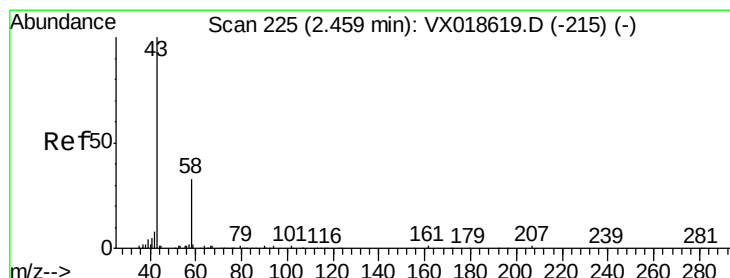
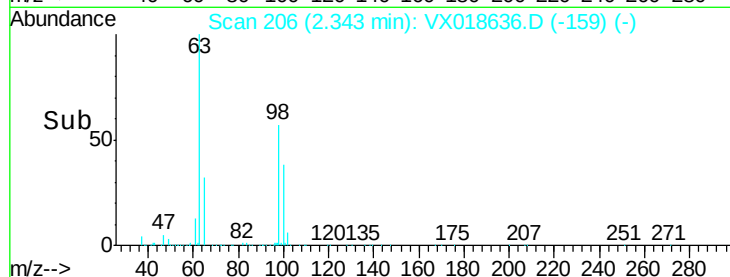
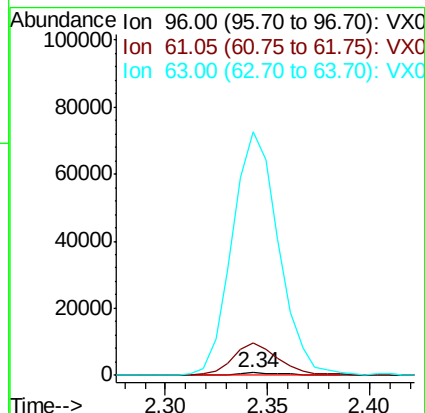
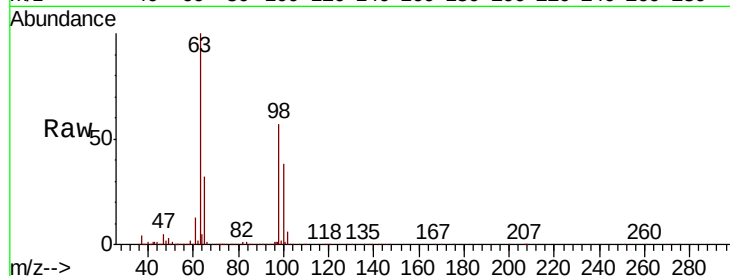
Tot Ion: 96 Resp: 1507

Ion Ratio Lower Upper

96 100

61 737.1 123.8 229.8#

63 5596.9 104.7 194.4#



#13

Acetone

Concen: 3.723 ug/L

RT: 2.45 min Scan# 223

Delta R.T. -0.01 min

Lab File: VX018636.D

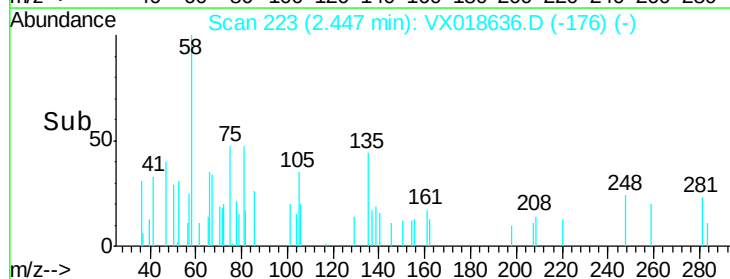
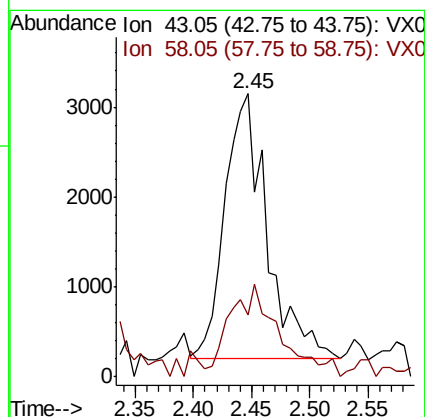
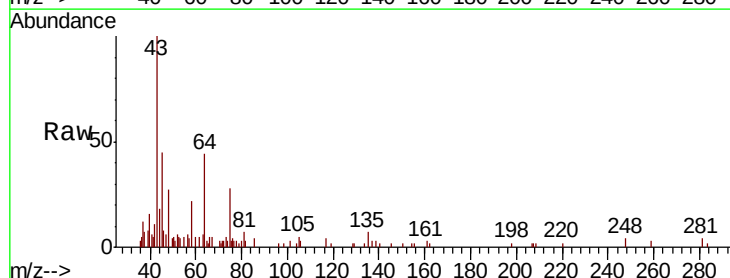
Acq: 28 Sep 2020 23:45

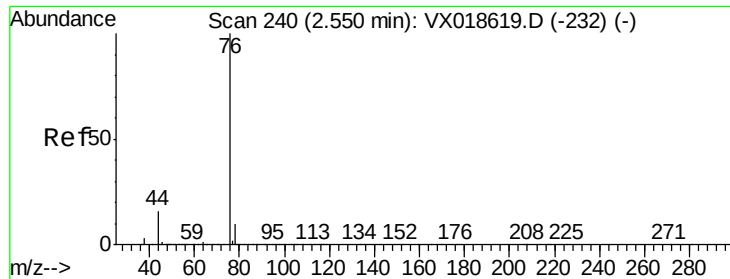
Tgt Ion: 43 Resp: 7361

Ion Ratio Lower Upper

43 100

58 41.1 0.0 61.6





#14

Carbon disulfide

Concen: 0.110 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018636.D

Acq: 28 Sep 2020 23:45

Instrument :

MSVOA_X

ClientSampled :

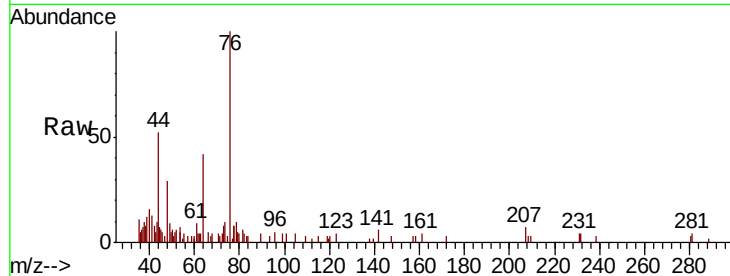
BG489

Tot Ion: 76 Resp: 4388

Ion Ratio Lower Upper

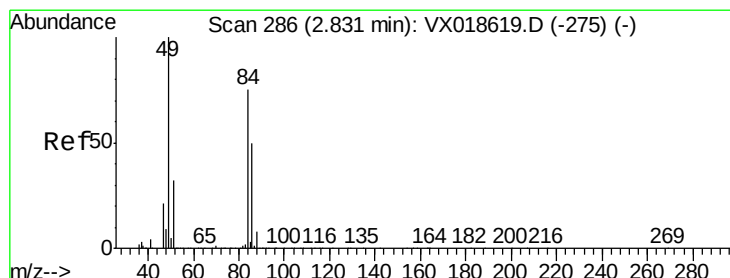
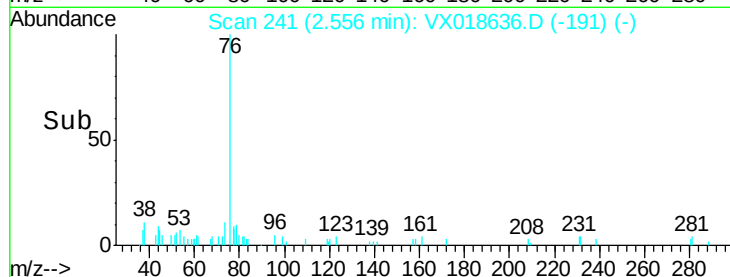
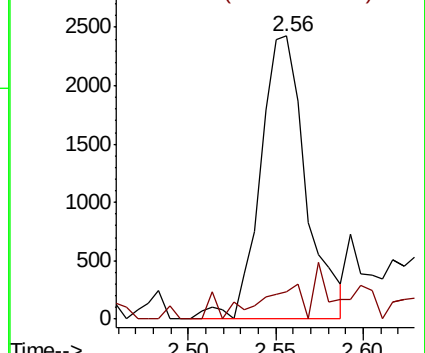
76 100

78 9.6 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0



#16

Methylene chloride

Concen: 0.172 ug/L

RT: 2.83 min Scan# 286

Delta R.T. -0.00 min

Lab File: VX018636.D

Acq: 28 Sep 2020 23:45

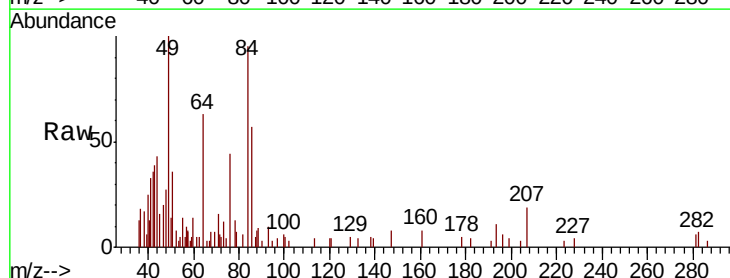
Tgt Ion: 84 Resp: 3066

Ion Ratio Lower Upper

84 100

86 60.1 41.9 77.7

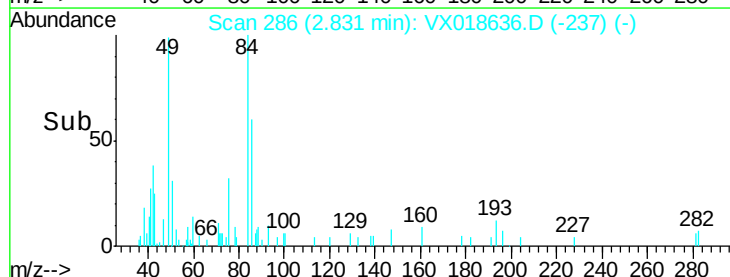
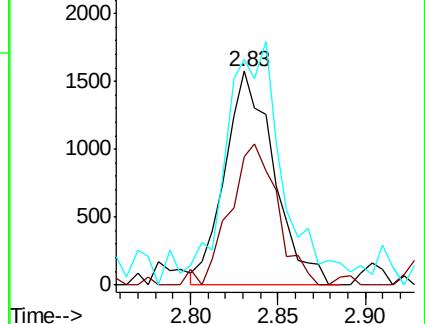
49 105.4 80.8 150.2

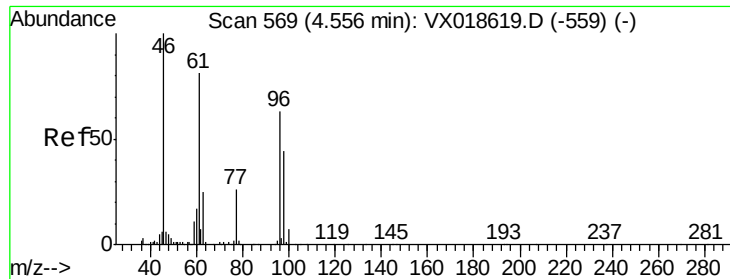


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0



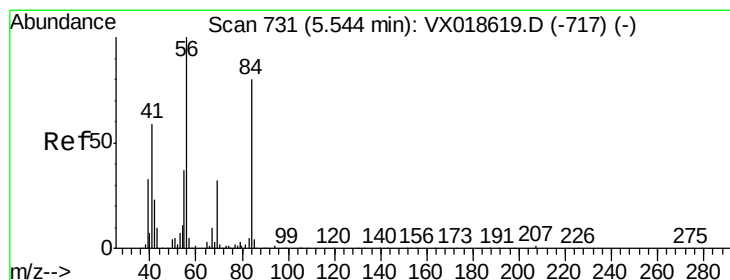
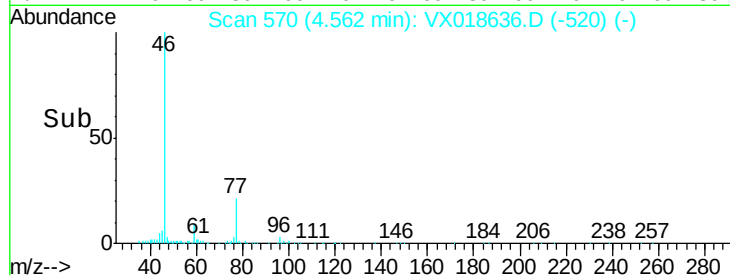
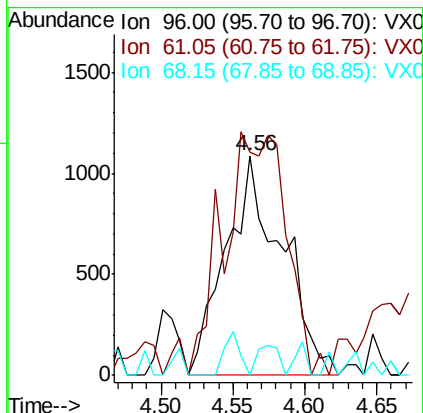
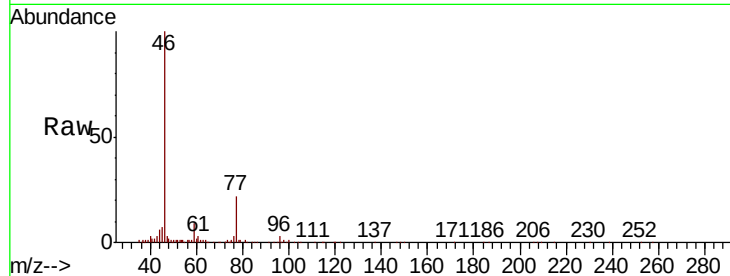


#22

cis-1,2-Dichloroethene
 Concen: 0.217 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX018636.D
 Acq: 28 Sep 2020 23:45

Instrument :
 MSVOA_X
 ClientSampleId :
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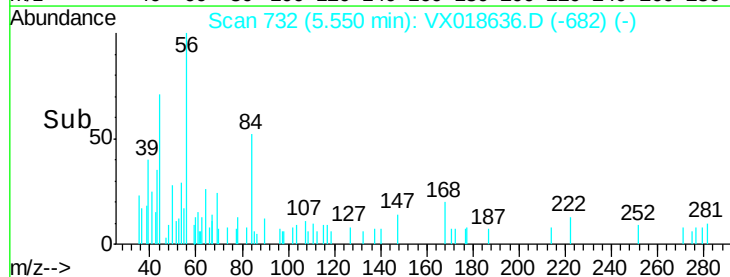
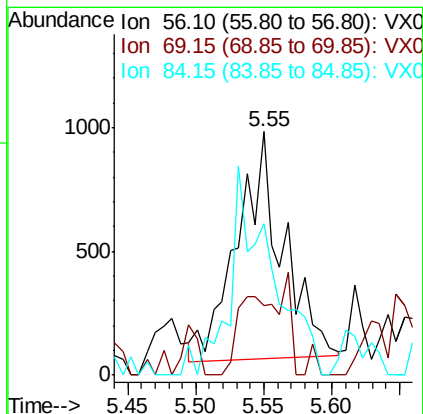
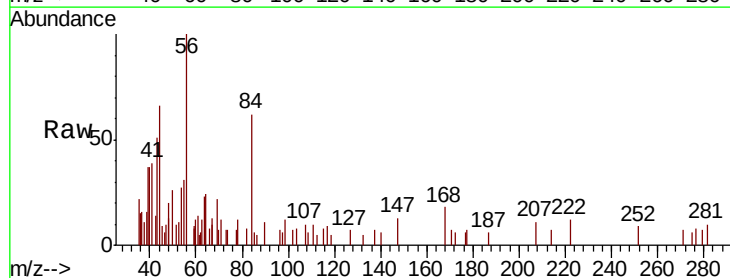
Tot Ion: 96 Resp: 2953
 Ion Ratio Lower Upper
 96 100
 61 101.5 87.7 162.9
 68 0.0 0.3 0.7#

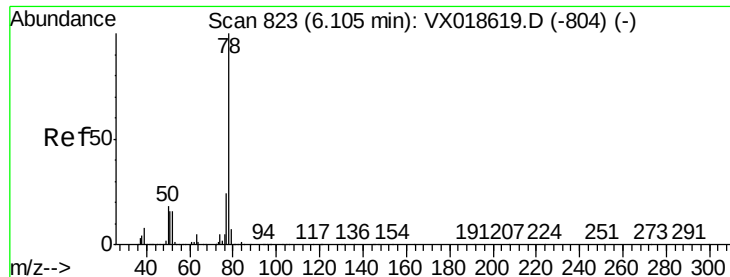


#30

Cyclohexane
 Concen: 0.113 ug/L
 RT: 5.55 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VX018636.D
 Acq: 28 Sep 2020 23:45

Tgt Ion: 56 Resp: 2138
 Ion Ratio Lower Upper
 56 100
 69 21.2 26.4 39.6#
 84 84.5 72.7 109.1





#33

Benzene

Concen: 0.217 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX018636.D

Acq: 28 Sep 2020 23:45

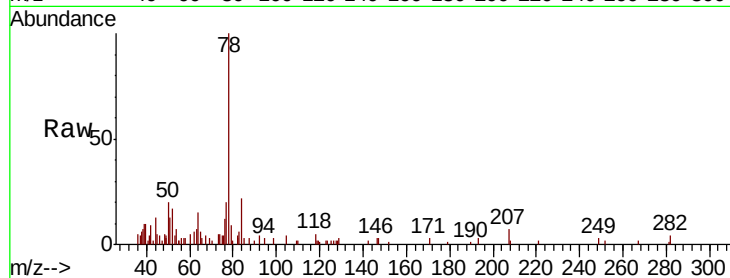
Instrument :

MSVOA_X

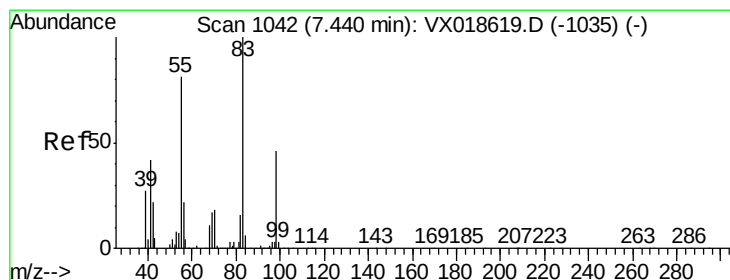
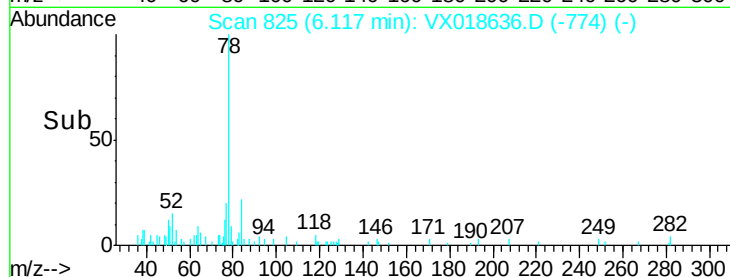
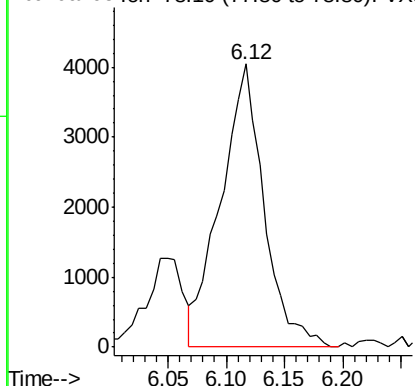
ClientSampleId :

BG489

Tgt Ion: 78 Resp: 10454



Abundance Ion 78.10 (77.80 to 78.80): VX0



#35

Methylcyclohexane

Concen: 1.224 ug/L

RT: 7.37 min Scan# 1031

Delta R.T. -0.07 min

Lab File: VX018636.D

Acq: 28 Sep 2020 23:45

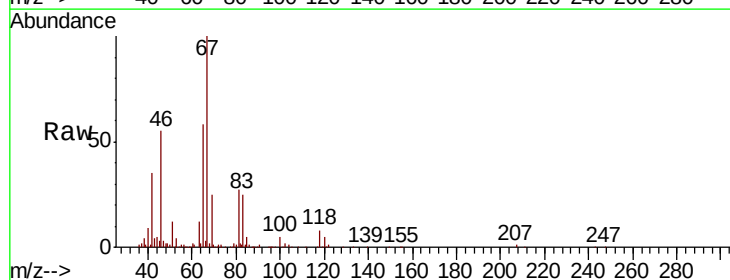
Tgt Ion: 83 Resp: 23778

Ion Ratio Lower Upper

83 100

55 0.9 67.4 101.0#

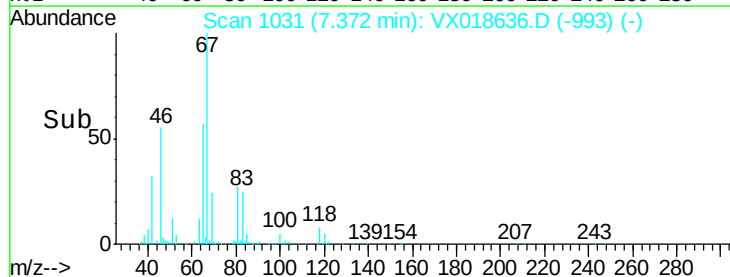
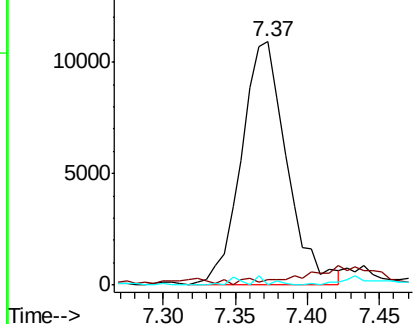
98 1.1 41.1 61.7#

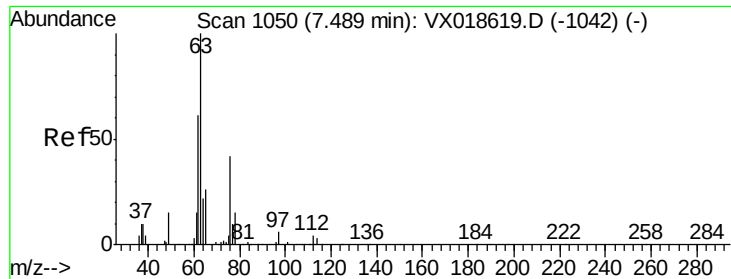


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

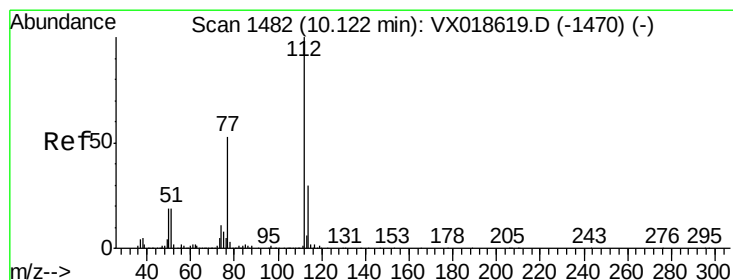
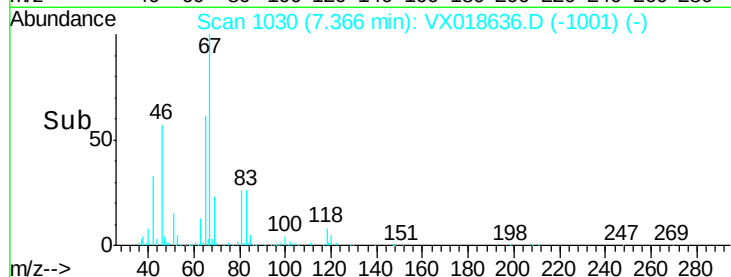
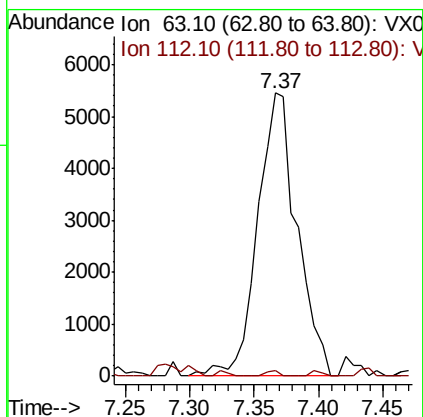
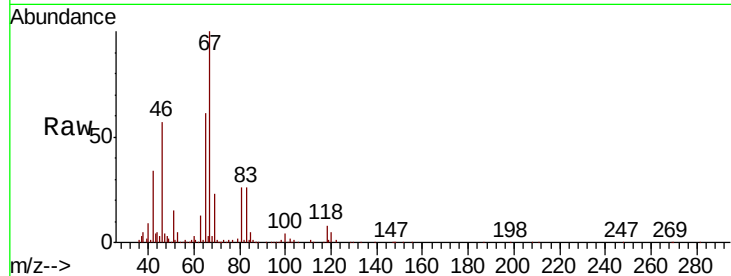




#37
 1,2-Dichloropropane
 Concen: 0.895 ug/L
 RT: 7.37 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VX018636.D
 Acq: 28 Sep 2020 23:45

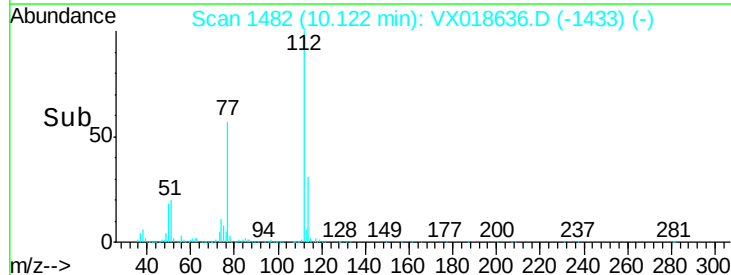
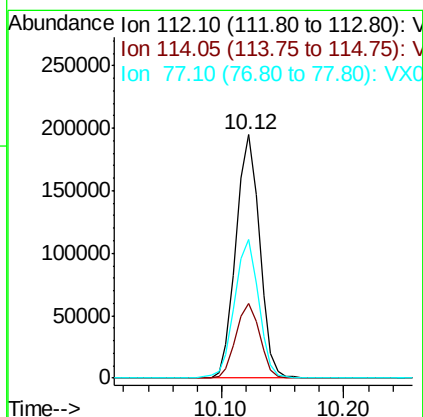
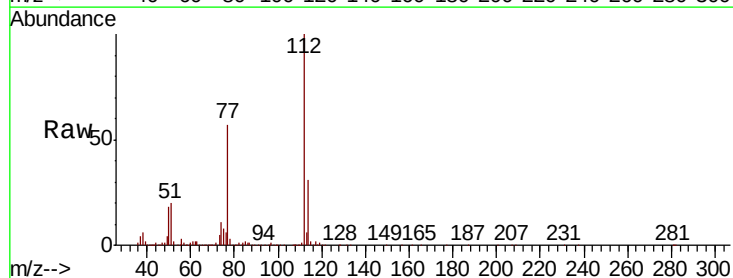
Instrument :
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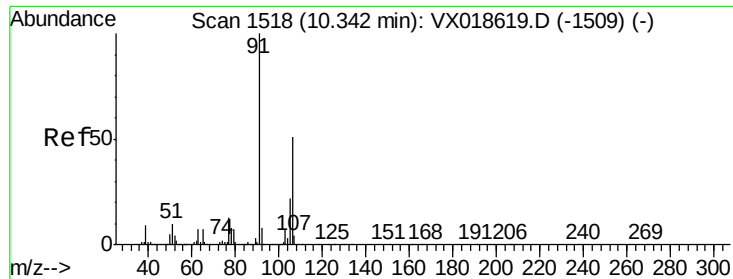
Tot Ion: 63 Resp: 11524
 Ion Ratio Lower Upper
 63 100
 112 0.7 4.1 6.1#



#53
 Chlorobenzene
 Concen: 7.560 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VX018636.D
 Acq: 28 Sep 2020 23:45

Tgt Ion: 112 Resp: 260327
 Ion Ratio Lower Upper
 112 100
 114 30.5 20.6 38.4
 77 57.2 46.6 69.8





#55

m,p-xylene

Concen: 0.076 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018636.D

Acq: 28 Sep 2020 23:45

Instrument :

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ClientSampleId :

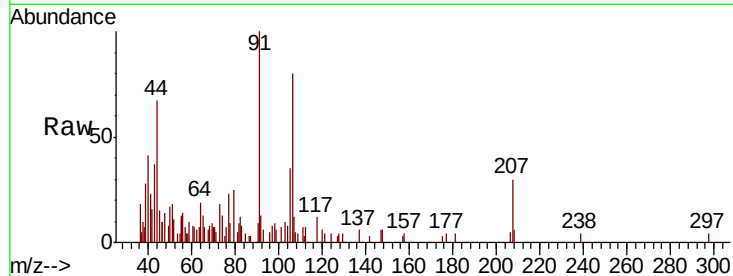
BG489

Tot Ion:106 Resp: 1658

Ion Ratio Lower Upper

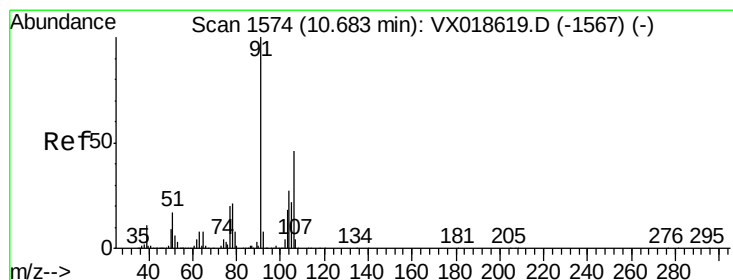
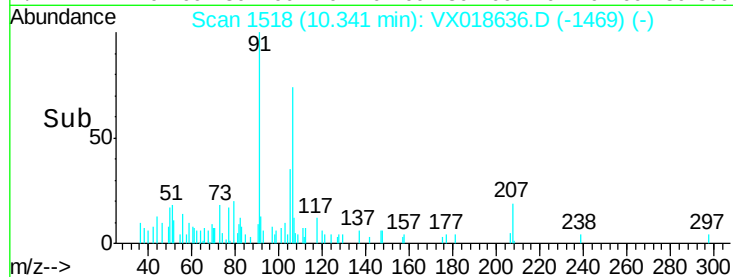
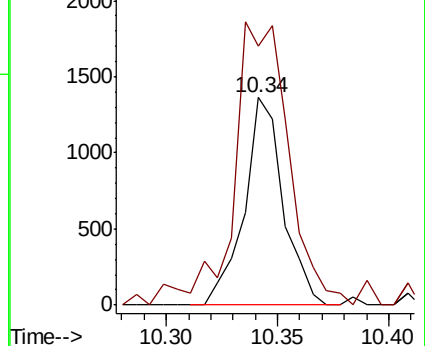
106 100

91 124.9 140.3 260.6#



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.067 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018636.D

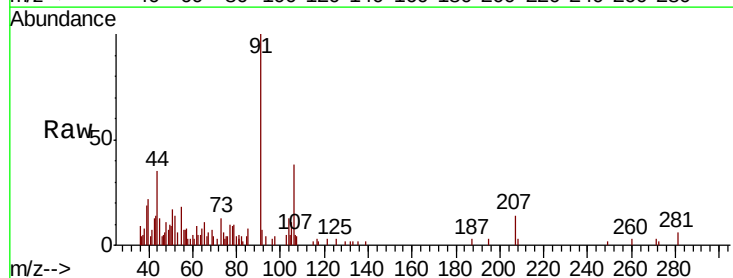
Acq: 28 Sep 2020 23:45

Tgt Ion:106 Resp: 1368

Ion Ratio Lower Upper

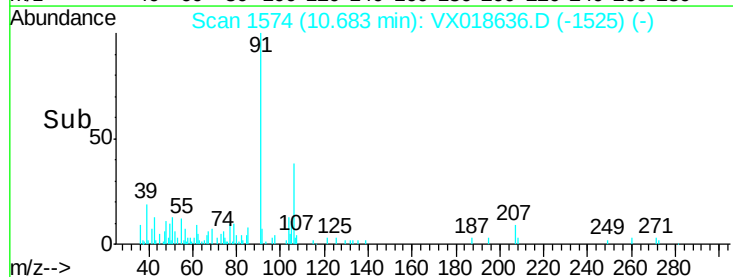
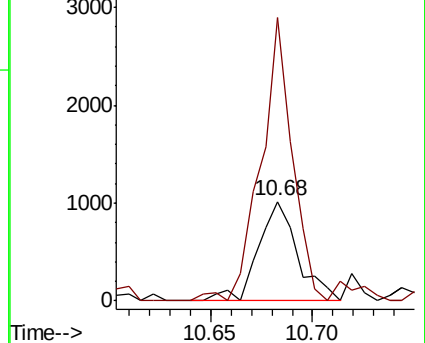
106 100

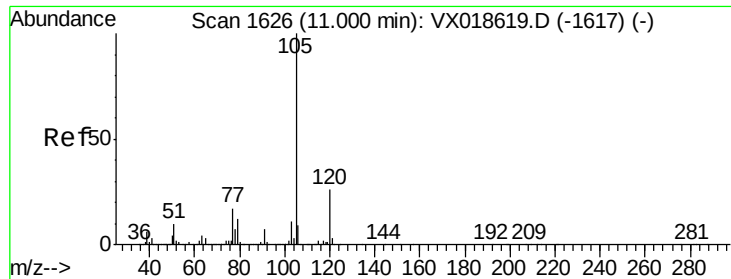
91 284.8 167.5 311.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 0.215 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX018636.D

Acq: 28 Sep 2020 23:45

Instrument :

MSVOA_X

ClientSampleId :

BG489

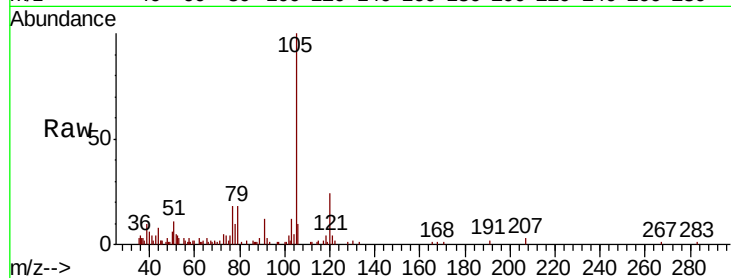
Tot Ion:105 Resp: 11831

Ion Ratio Lower Upper

105 100

120 29.4 21.2 31.8

77 20.4 13.3 19.9#

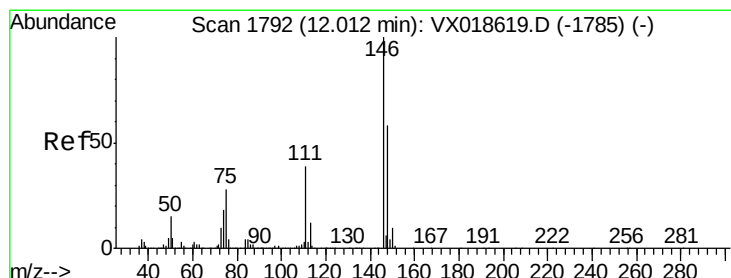
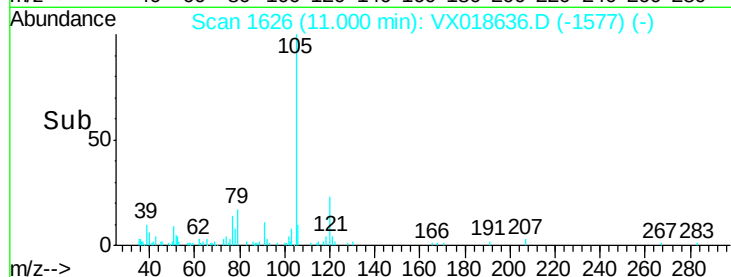


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

Time-->



#63

1,3-Dichlorobenzene

Concen: 0.079 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX018636.D

Acq: 28 Sep 2020 23:45

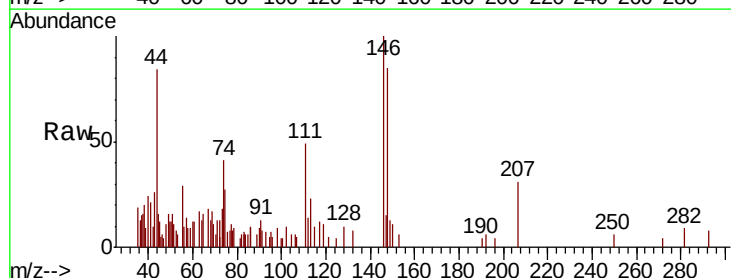
Tgt Ion:146 Resp: 2138

Ion Ratio Lower Upper

146 100

111 48.9 26.7 49.7

148 85.2 44.4 82.5#

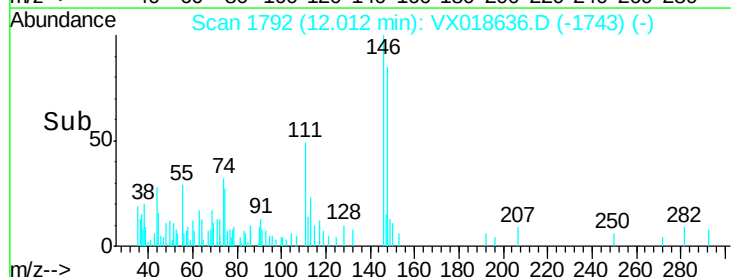


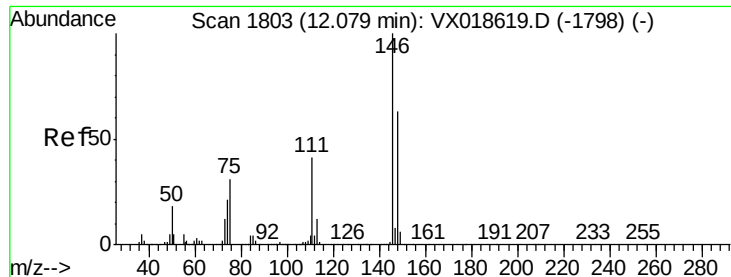
Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

Time-->

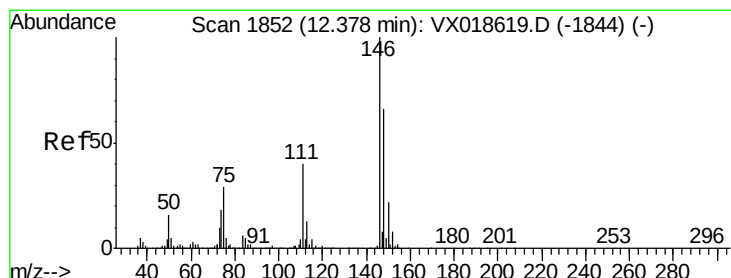
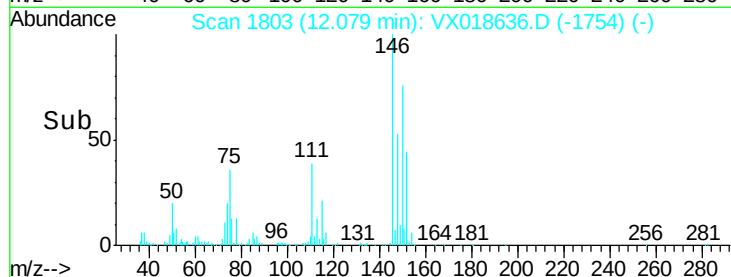
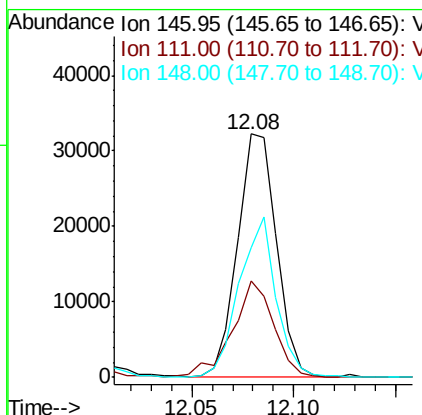
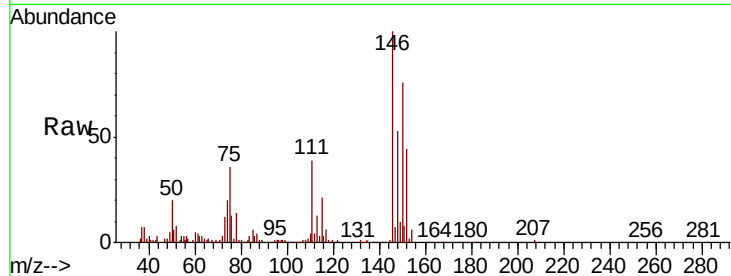




#64
 1,4-Dichlorobenzene
 Concen: 1.566 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX018636.D
 Acq: 28 Sep 2020 23:45

Instrument :
 MSVOA_X
 ClientSampleId :
 BG489

Tot Ion:146 Resp: 43012
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.8 53.4
 148 53.3 44.9 83.3



#66
 1,2-Dichlorobenzene
 Concen: 0.337 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX018636.D
 Acq: 28 Sep 2020 23:45

Tgt Ion:146 Resp: 8526
 Ion Ratio Lower Upper
 146 100
 111 52.0 33.6 50.4#
 148 59.8 53.4 80.2

