

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081020\
 Data File : VX017857.D
 Acq On : 10 Aug 2020 18:09
 Operator : JC/SP
 Sample : L3600-18
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VBLK65

Quant Time: Aug 11 07:17:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 11 07:12:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	276733	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	271540	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	120225	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	82330	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.69	69	79174	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.34	63	124591	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	4.54	46	320290	63.07	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.14%
24) Chloroform-d	5.14	84	164516	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	6.03	65	116195	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	6.05	84	327584	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	7.37	67	122516	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	8.70	98	288109	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.20%
45) trans-1,3-Dichloropropene-	8.99	79	46735	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
48) 2-Hexanone-d5	9.43	63	266562	64.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.54%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	94805	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	114220	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.39	62	37713	1.447	ug/L	98
12) 1,1-Dichloroethene	2.35	96	11082	0.522	ug/L #	1
13) Acetone	2.42	43	12463	3.359	ug/L	82
14) Carbon disulfide	2.55	76	4203	0.055	ug/L #	87
15) Methyl Acetate	2.76	43	1451	0.133	ug/L	94
17) Methyl tert-butyl Ether	3.17	73	55935	0.985	ug/L	99
18) trans-1,2-Dichloroethene	3.14	96	19331	0.803	ug/L	97
19) 1,1-Dichloroethane	3.67	63	16778	0.391	ug/L	97
22) cis-1,2-Dichloroethene	4.56	96	2732331	108.188	ug/L #	99
25) Chloroform	5.17	83	34863	0.754	ug/L	97
33) Benzene	6.12	78	5276	0.055	ug/L	100
34) Trichloroethene	7.19	95	668531	23.824	ug/L	98
35) Methylcyclohexane	7.37	83	32331	0.820	ug/L #	19
37) 1,2-Dichloropropane	7.37	63	15271	0.632	ug/L #	88
42) Toluene	8.77	91	8359	0.080	ug/L	94
50) 2-Hexanone	9.43	43	33191	2.942	ug/L #	68

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QLast Update : Tue Aug 11 07:12:14 2020
Response via : Initial Calibration

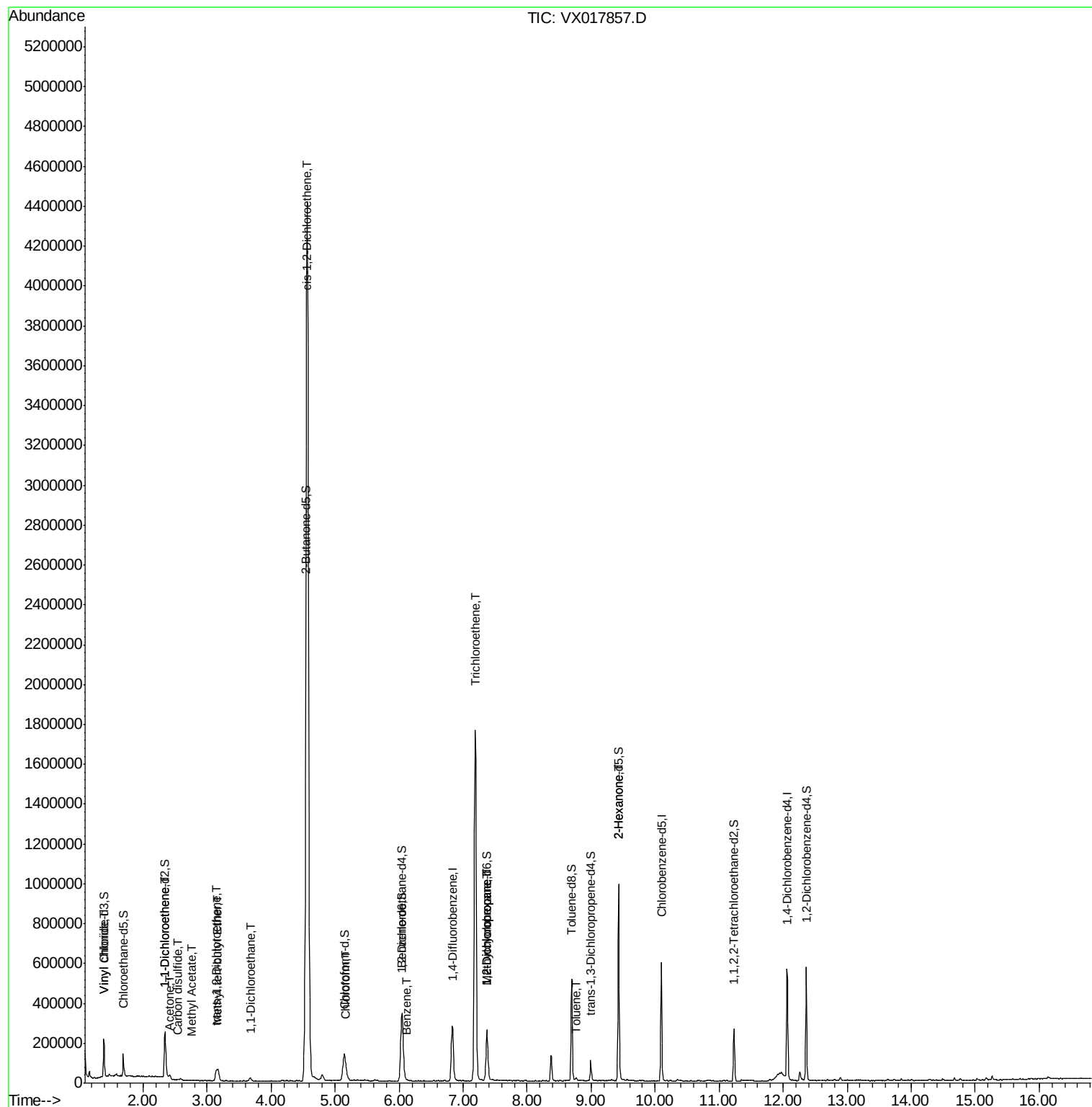
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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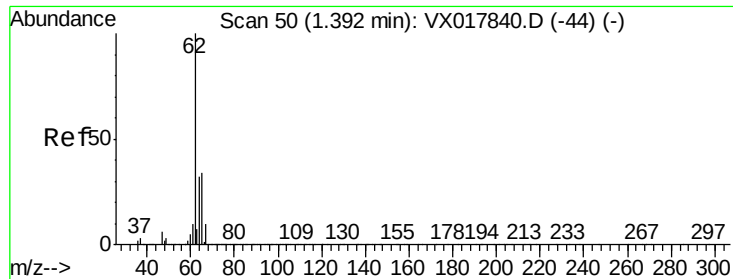
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.447 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017857.D

Acq: 10 Aug 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

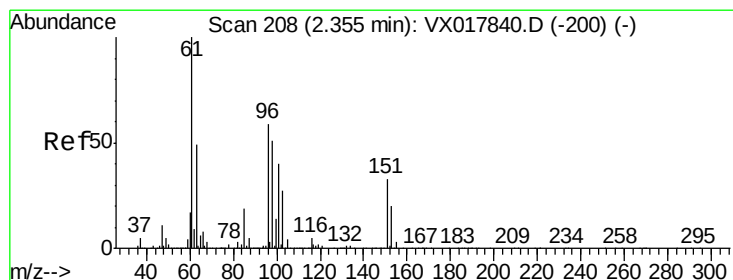
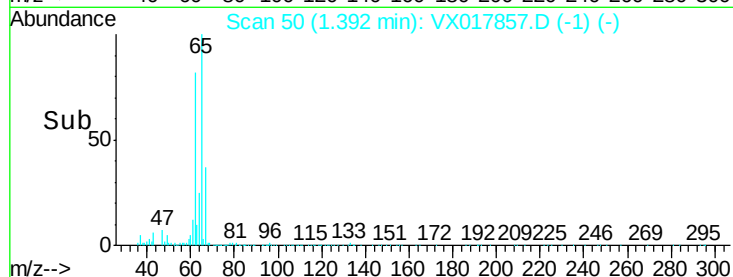
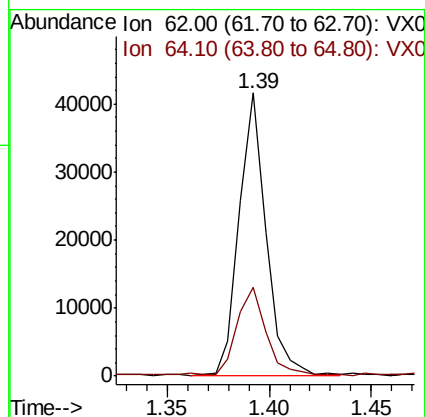
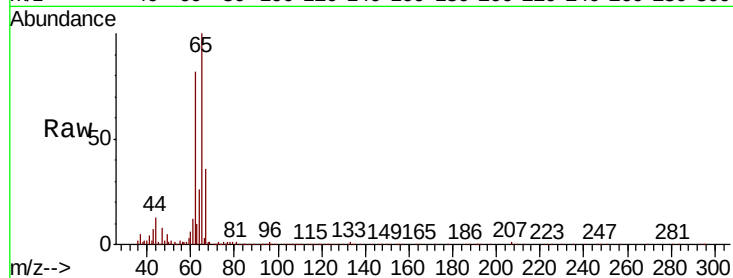
VBLK65

Tot Ion: 62 Resp: 37713

Ion Ratio Lower Upper

62 100

64 31.4 21.3 39.6



#12

1,1-Dichloroethene

Concen: 0.522 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX017857.D

Acq: 10 Aug 2020 18:09

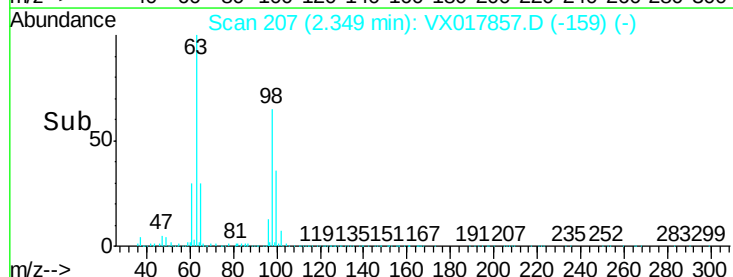
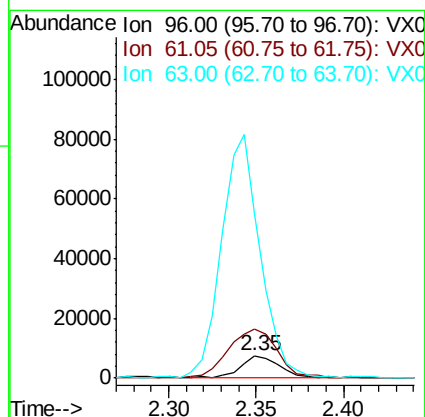
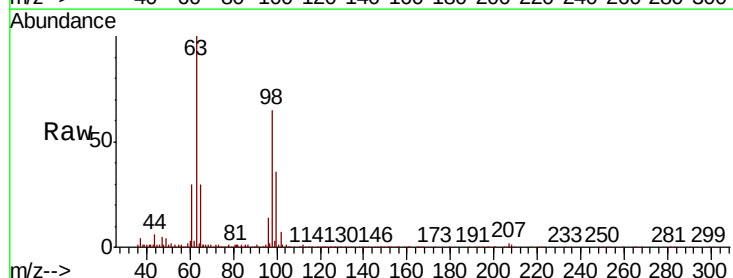
Tgt Ion: 96 Resp: 11082

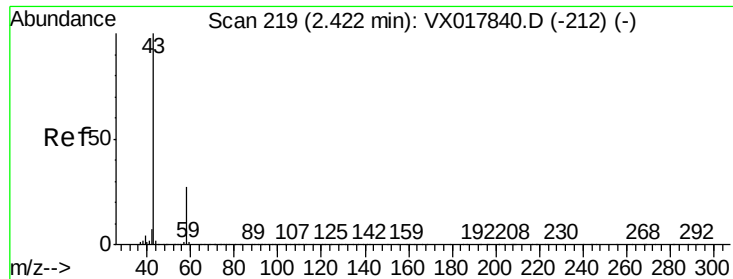
Ion Ratio Lower Upper

96 100

61 219.4 123.5 229.3

63 733.4 67.0 124.4#





#13

Acetone

Concen: 3.359 ug/L

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017857.D

Acq: 10 Aug 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

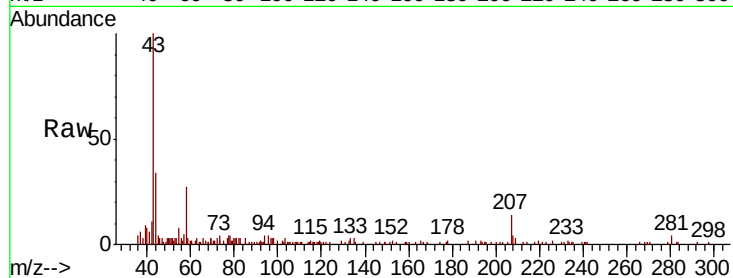
VBLK65

Tot Ion: 43 Resp: 12463

Ion Ratio Lower Upper

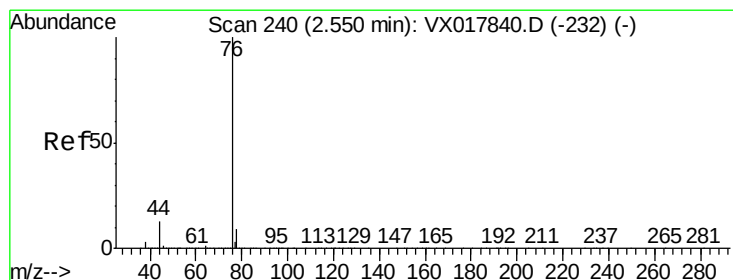
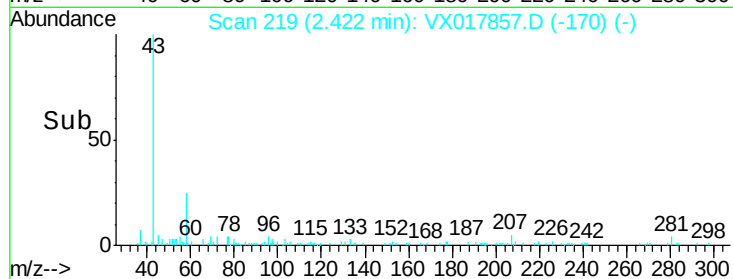
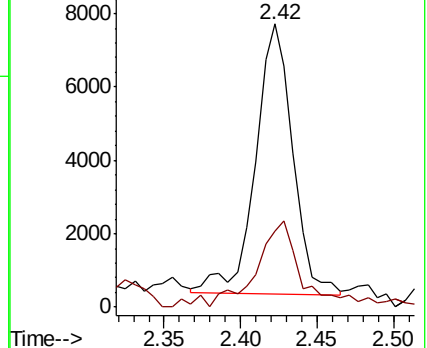
43 100

58 40.3 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 0.055 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017857.D

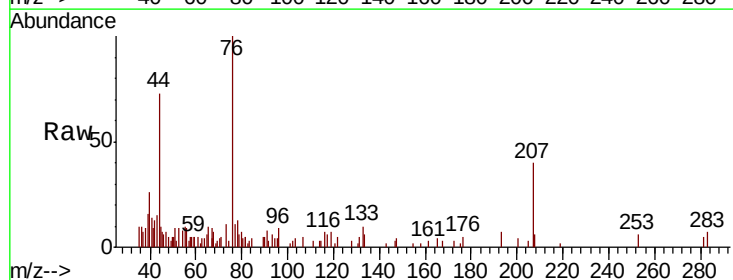
Acq: 10 Aug 2020 18:09

Tgt Ion: 76 Resp: 4203

Ion Ratio Lower Upper

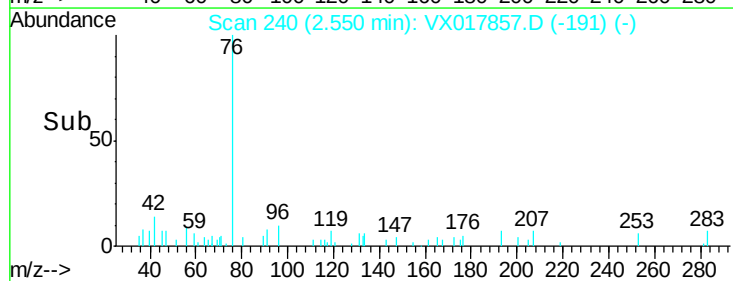
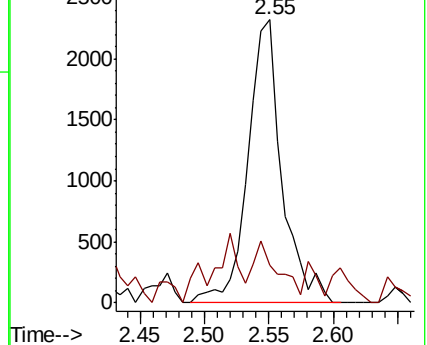
76 100

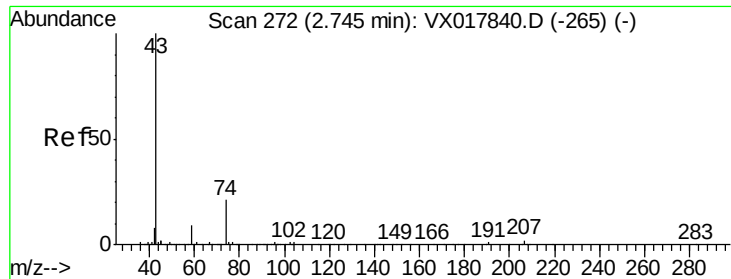
78 13.2 7.0 10.4#



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

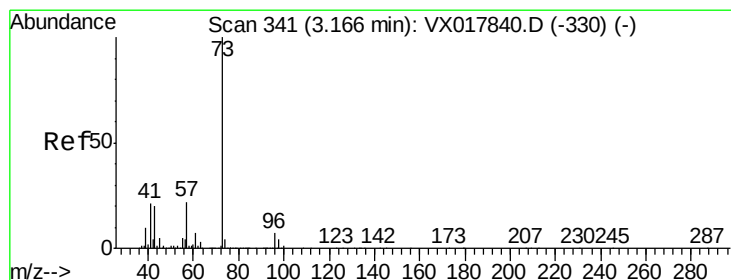
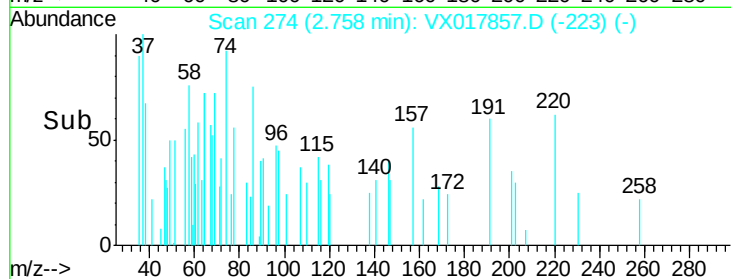
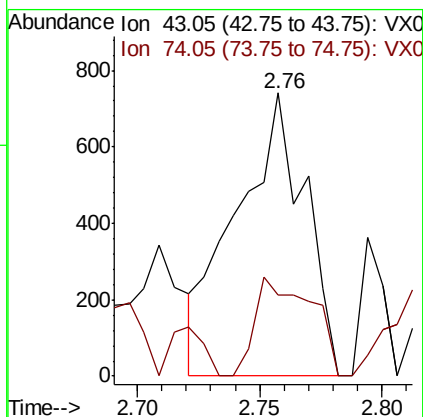
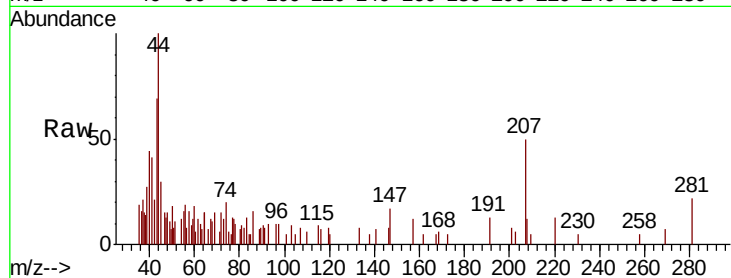




#15
Methyl Acetate
Concen: 0.133 ug/L
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017857.D
Acq: 10 Aug 2020 18:09

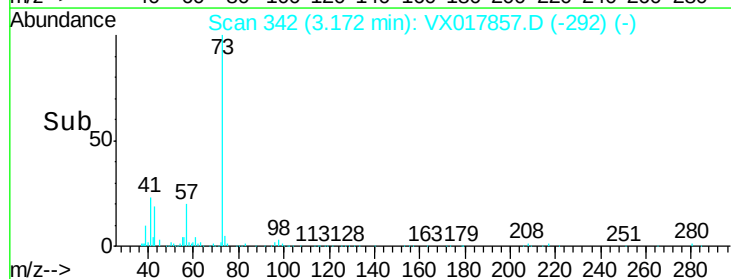
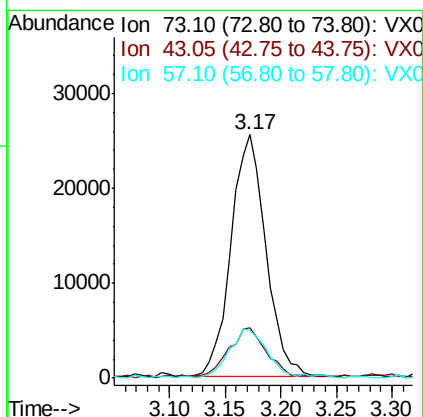
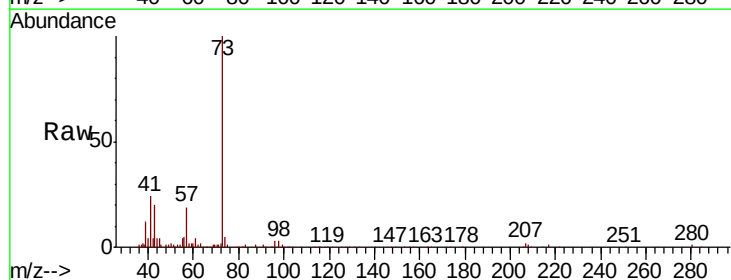
Instrument :
MSVOA_X
ClientSampled :
VBLK65

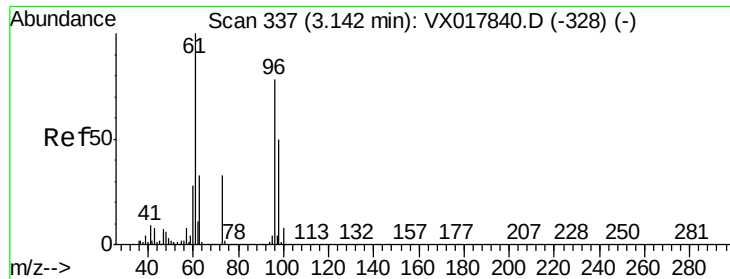
Tot Ion: 43 Resp: 1451
Ion Ratio Lower Upper
43 100
74 28.7 20.4 30.6



#17
Methyl tert-butyl Ether
Concen: 0.985 ug/L
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX017857.D
Acq: 10 Aug 2020 18:09

Tgt Ion: 73 Resp: 55935
Ion Ratio Lower Upper
73 100
43 22.6 17.7 26.5
57 21.0 17.0 25.6

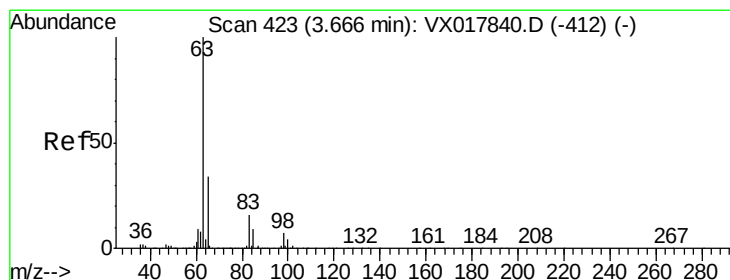
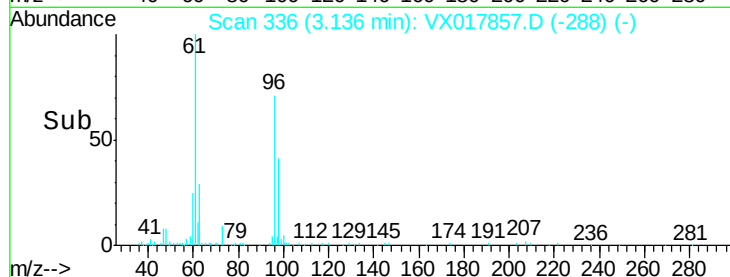
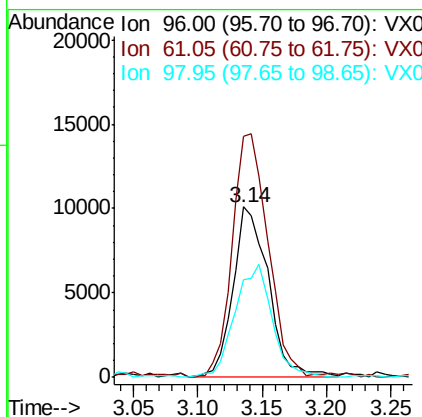
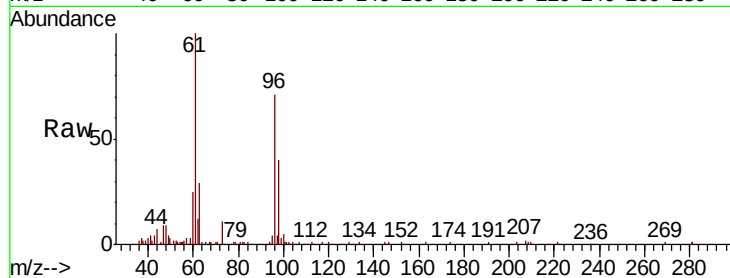




#18
trans-1,2-Dichloroethene
Concen: 0.803 ug/L
RT: 3.14 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX017857.D
Acq: 10 Aug 2020 18:09

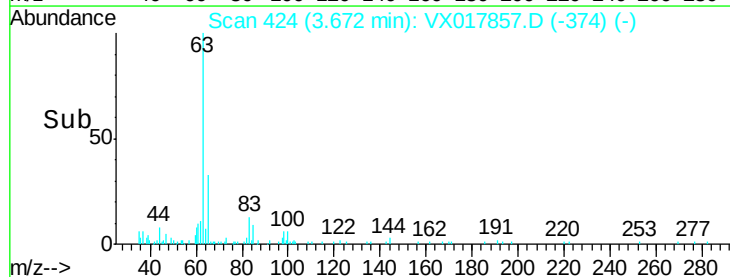
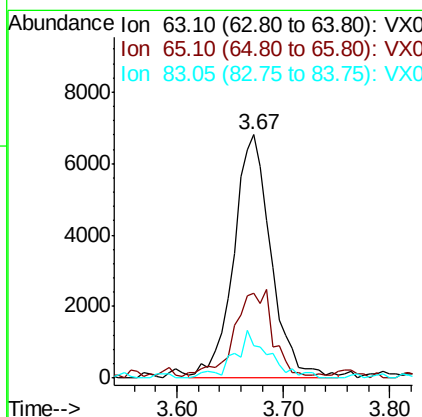
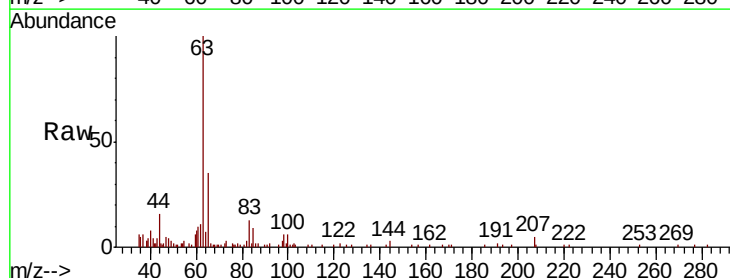
Instrument :
MSVOA_X
ClientSampleId :
VBLK65

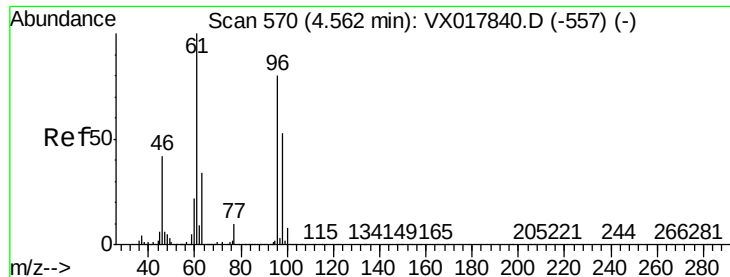
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	98.4	182.8
98	57.2	44.9	83.5



#19
1,1-Dichloroethane
Concen: 0.391 ug/L
RT: 3.67 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX017857.D
Acq: 10 Aug 2020 18:09

Tgt Ion	Ratio	Lower	Upper
63	100		
65	34.6	22.6	42.0
83	13.4	9.5	17.7



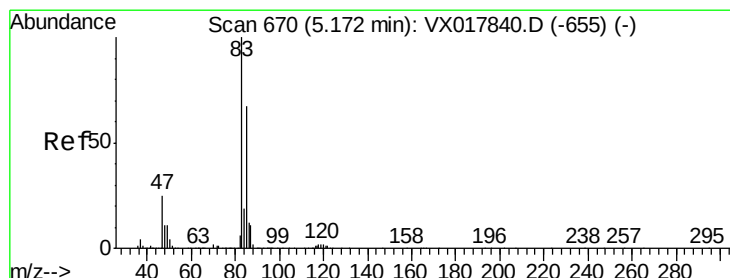
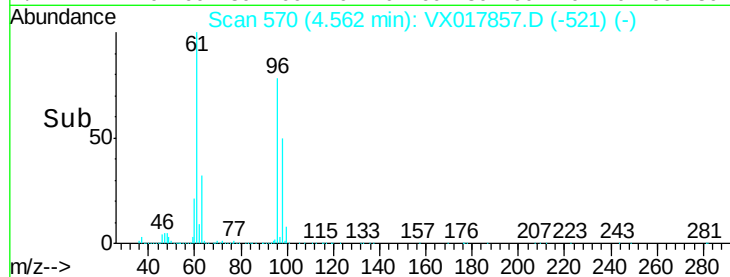
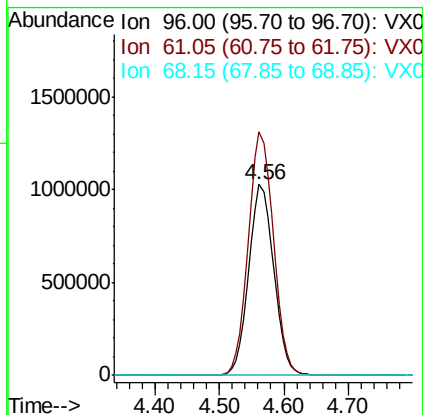
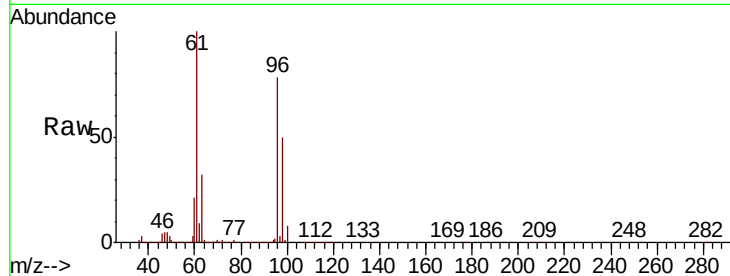


#22

cis-1,2-Dichloroethene
 Concen: 108.188 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VX017857.D
 Acq: 10 Aug 2020 18:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VBLK65

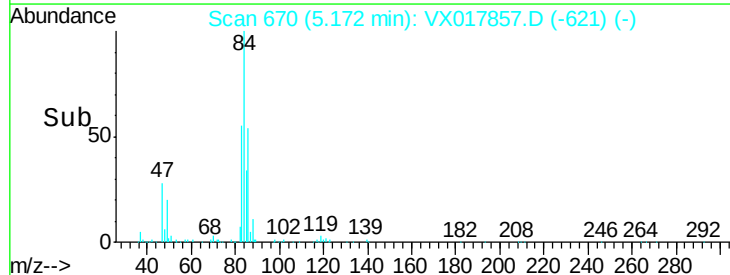
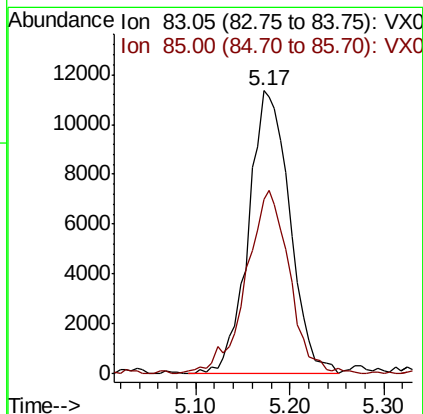
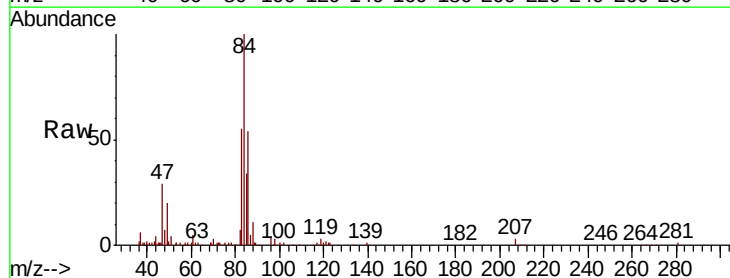
Tot Ion: 96 Resp: 2732331
 Ion Ratio Lower Upper
 96 100
 61 127.5 88.8 165.0
 68 0.0 0.2 0.4#

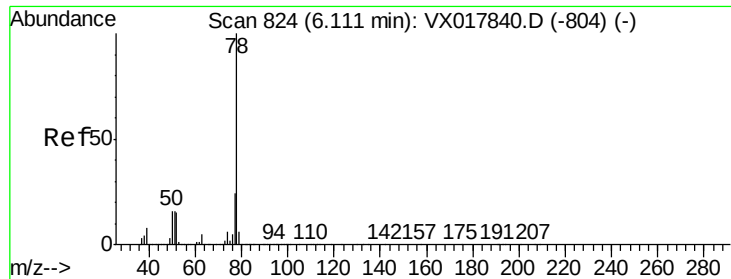


#25

Chloroform
 Concen: 0.754 ug/L
 RT: 5.17 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VX017857.D
 Acq: 10 Aug 2020 18:09

Tgt Ion: 83 Resp: 34863
 Ion Ratio Lower Upper
 83 100
 85 61.9 44.7 83.1





#33

Benzene

Concen: 0.055 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX017857.D

Acq: 10 Aug 2020 18:09

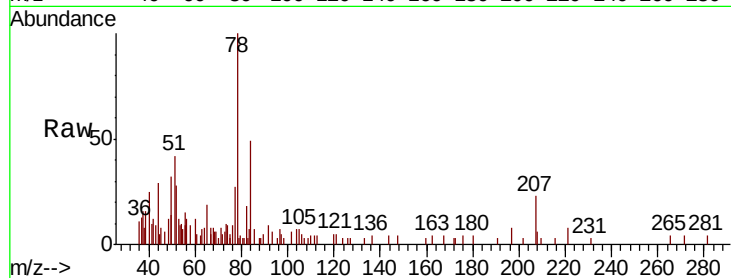
Instrument :

MSVOA_X

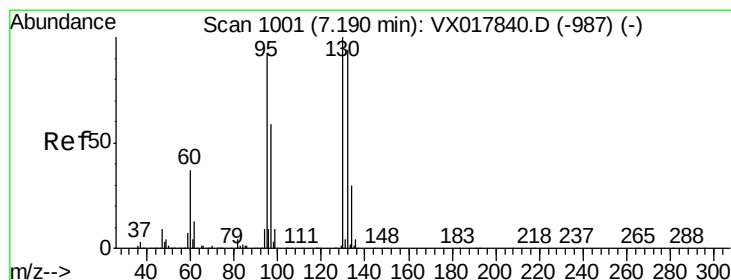
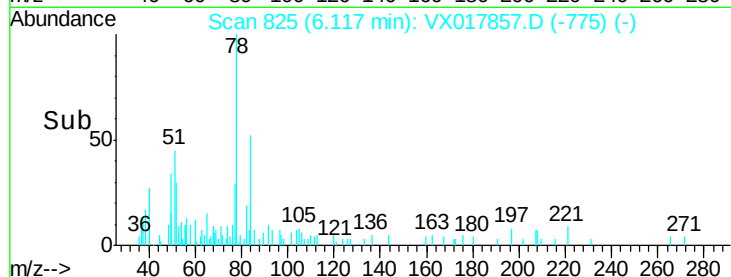
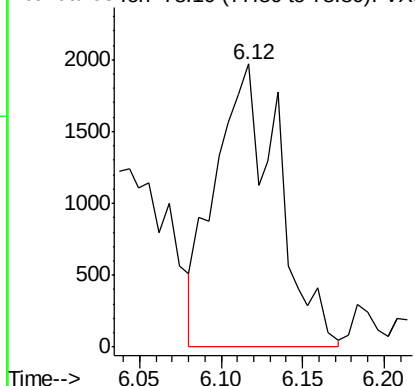
ClientSampleId :

VBLK65

Tgt Ion: 78 Resp: 5276



Abundance Ion 78.10 (77.80 to 78.80): VX0



#34

Trichloroethene

Concen: 23.824 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX017857.D

Acq: 10 Aug 2020 18:09

Tgt Ion: 95 Resp: 668531

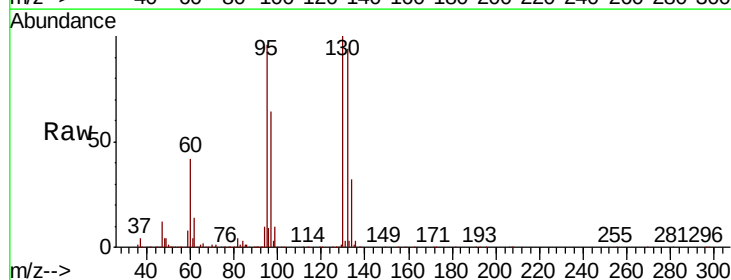
Ion Ratio Lower Upper

95 100

97 66.4 46.1 85.5

132 97.7 66.0 122.6

130 104.4 71.7 133.1

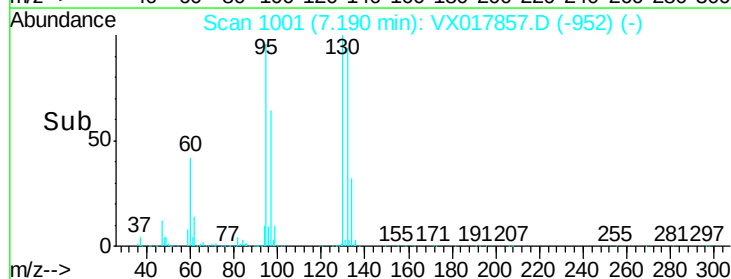
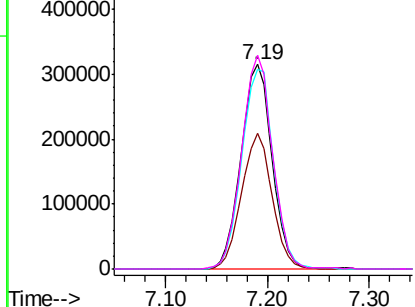


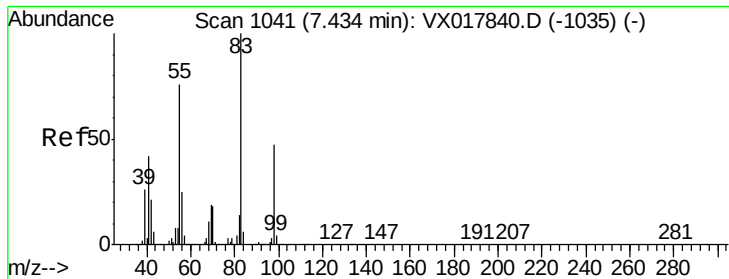
Abundance Ion 95.00 (94.70 to 95.70): VX0

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

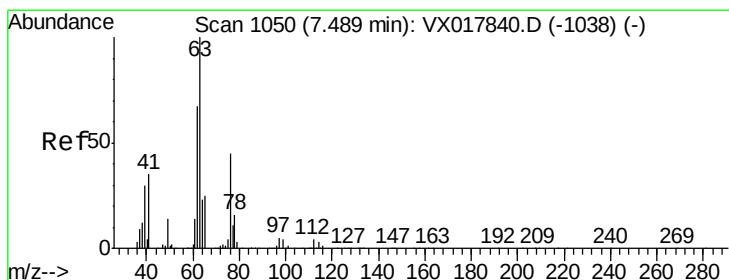
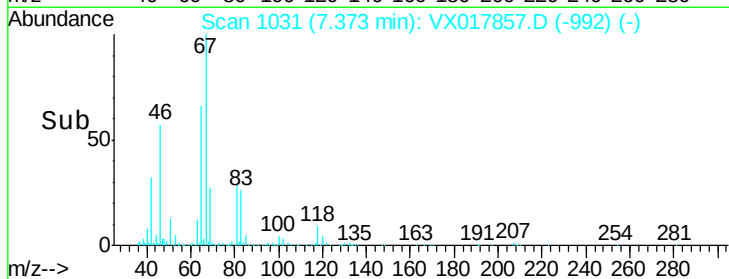
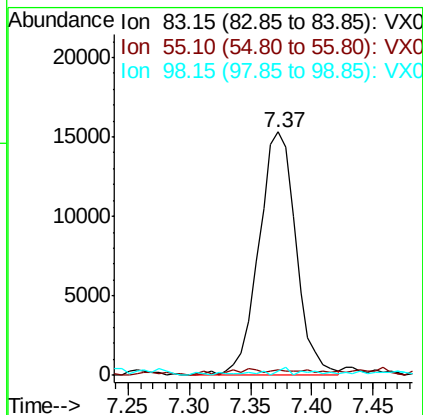
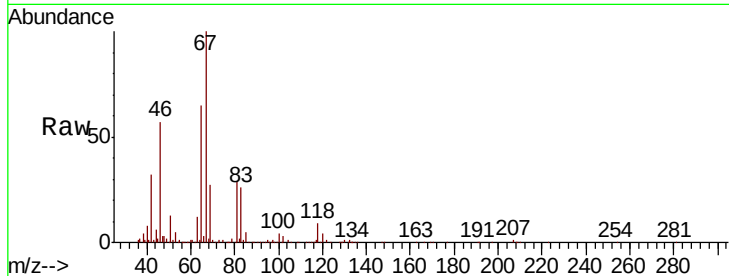




#35
Methylvlcyclohexane
Concen: 0.820 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.06 min
Lab File: VX017857.D
Acq: 10 Aug 2020 18:09

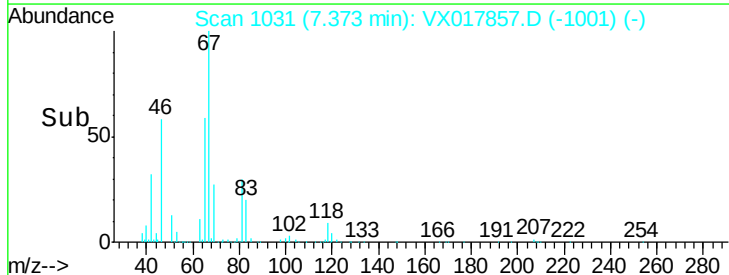
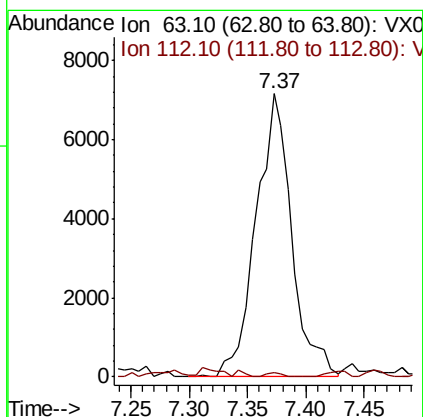
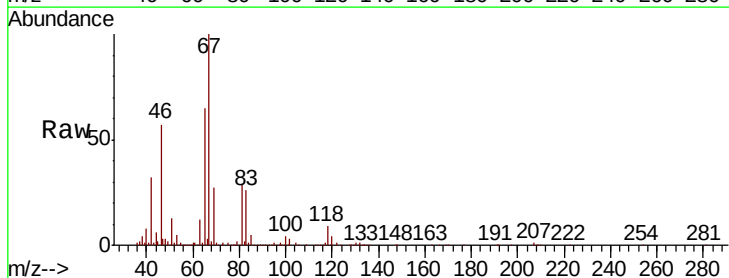
Instrument :
MSVOA_X
ClientSampleId :
VBLK65

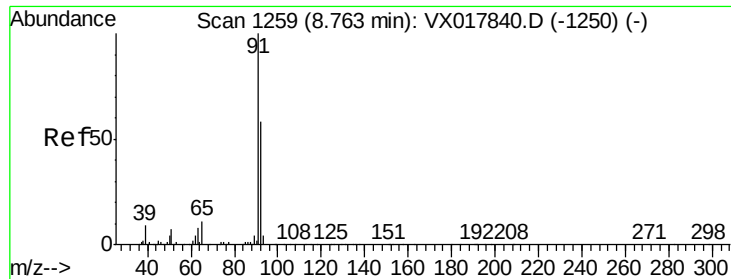
Tot Ion	83	Resp	32331
Ion Ratio	Lower	Upper	
83	100		
55	2.0	62.4	93.6#
98	0.0	38.0	57.0#



#37
1,2-Dichloropropane
Concen: 0.632 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VX017857.D
Acq: 10 Aug 2020 18:09

Tgt Ion	63	Resp	15271
Ion Ratio	Lower	Upper	
63	100		
112	0.7	3.6	5.4#





#42

Toluene

Concen: 0.080 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017857.D

Acq: 10 Aug 2020 18:09

Instrument :

MSVOA_X

ClientSampled :

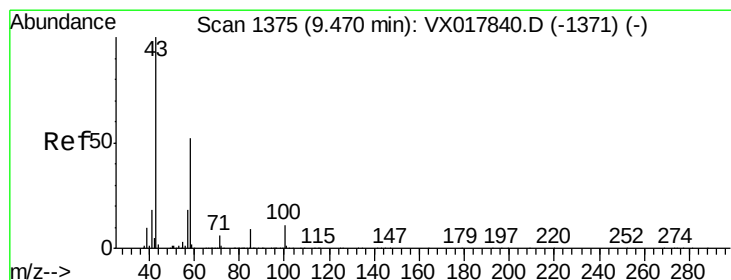
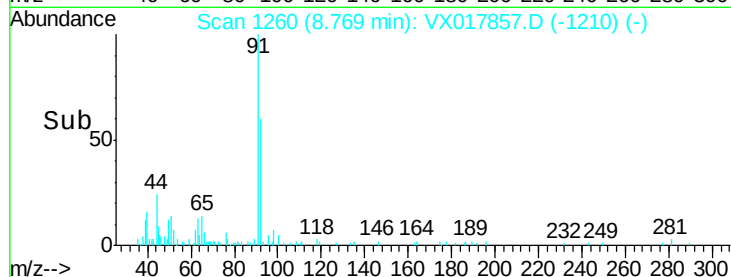
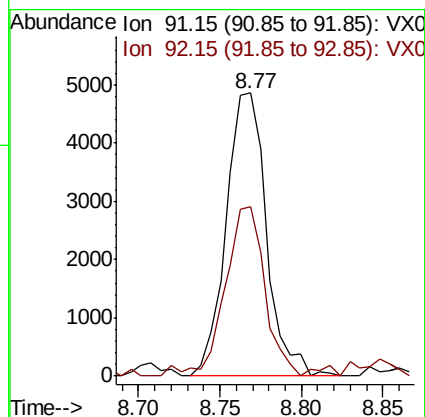
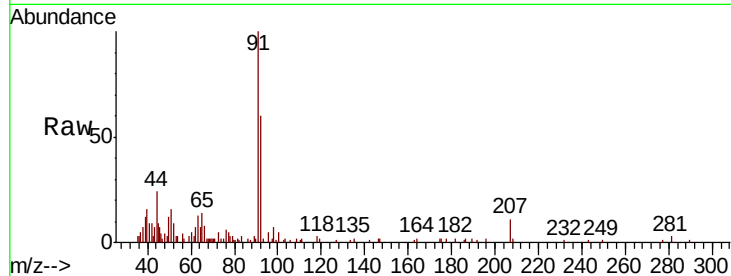
VBLK65

Tot Ion: 91 Resp: 8359

Ion Ratio Lower Upper

91 100

92 60.0 38.8 72.0



#50

2-Hexanone

Concen: 2.942 ug/L

RT: 9.43 min Scan# 1368

Delta R.T. -0.04 min

Lab File: VX017857.D

Acq: 10 Aug 2020 18:09

Tgt Ion: 43 Resp: 33191

Ion Ratio Lower Upper

43 100

58 27.7 43.0 64.6#

57 29.1 15.0 22.4#

100 1.7 9.2 13.8#

