

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092820\
 Data File : VX018616.D
 Acq On : 28 Sep 2020 13:03
 Operator : JC/SP
 Sample : VIBLK61
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK61

Quant Time: Sep 29 01:02:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 29 00:54:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	255106	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	247904	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	114929	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	64362	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.70	69	55661	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.34	63	118425	4.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.40%
20) 2-Butanone-d5	4.56	46	170739	50.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.32%
24) Chloroform-d	5.14	84	149683	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	6.03	65	85132	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	6.05	84	281324	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	7.37	67	85768	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	8.70	98	254892	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
45) trans-1,3-Dichloropropene-	8.99	79	36343	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
48) 2-Hexanone-d5	9.43	63	132581	47.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.48%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	61255	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	93505	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.39	62	922	0.067	ug/L #	1
6) Bromomethane	1.65	94	2651	0.321	ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.35	101	1574	0.120	ug/L #	21
12) 1,1-Dichloroethene	2.34	96	1545	0.124	ug/L #	1
14) Carbon disulfide	2.55	76	5558	0.147	ug/L #	94
16) Methylene chloride	2.84	84	7115	0.418	ug/L #	79
18) trans-1,2-Dichloroethene	3.15	96	919	0.074	ug/L #	72
25) Chloroform	5.18	83	2484	0.102	ug/L	88
27) 1,2-Dichloroethane	6.05	62	1938	0.126	ug/L	96
35) Methylcyclohexane	7.37	83	20533	1.067	ug/L #	18
50) 2-Hexanone	9.43	43	17941	3.586	ug/L #	74
64) 1,4-Dichlorobenzene	12.09	146	2183	0.086	ug/L	96
66) 1,2-Dichlorobenzene	12.37	146	1413	0.061	ug/L #	77
68) 1,3,5-Trichlorobenzene	13.15	180	1783	0.095	ug/L #	93
69) 1,2,4-trichlorobenzene	13.63	180	2304	0.150	ug/L #	92
70) Naphthalene	13.82	128	2528	0.097	ug/L #	90
71) 1,2,3-Trichlorobenzene	13.99	180	2128	0.153	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 29 00:54:17 2020
Response via : Initial Calibration

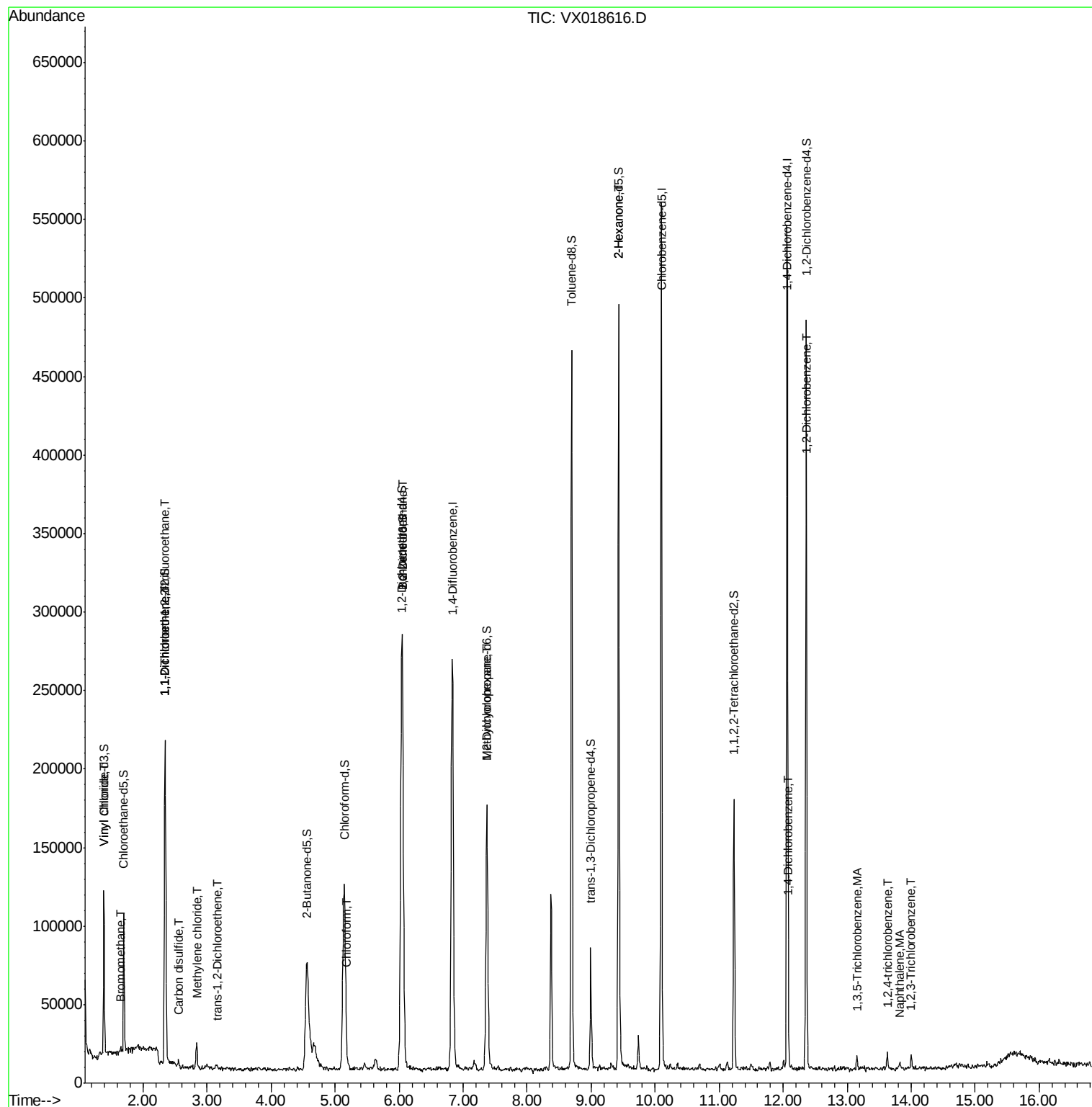
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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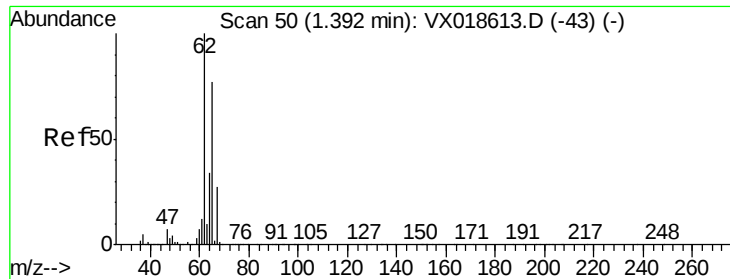
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.067 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018616.D

Acq: 28 Sep 2020 13:03

Instrument :

MSVOA_X

ClientSampled :

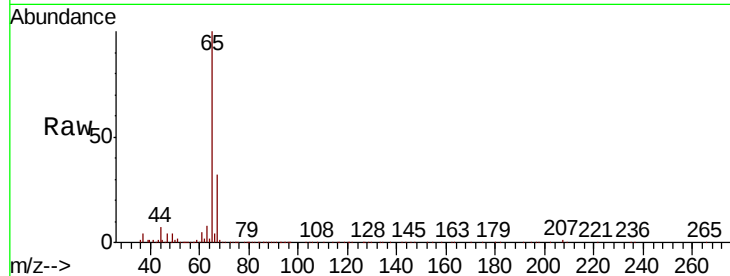
VIBLK61

Tot Ion: 62 Resp: 922

Ion Ratio Lower Upper

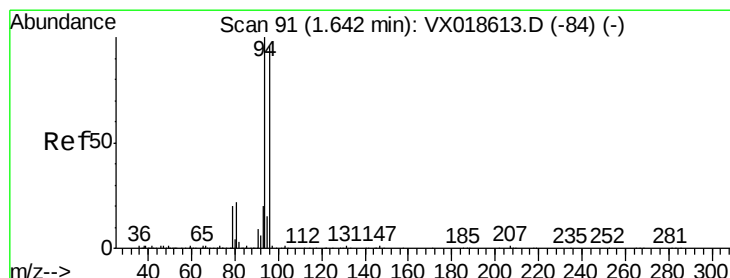
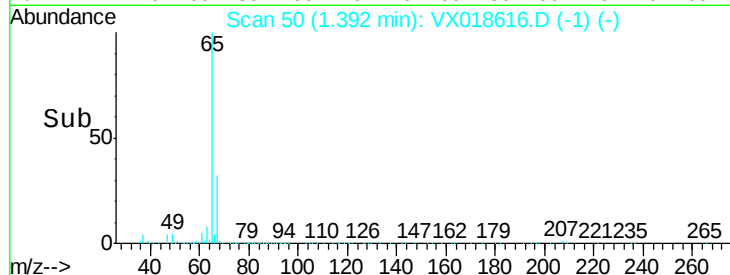
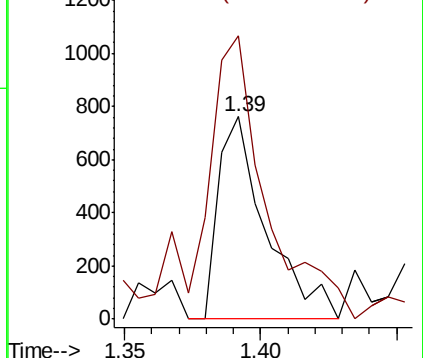
62 100

64 139.9 23.6 43.8#



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0



#6

Bromomethane

Concen: 0.321 ug/L

RT: 1.65 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX018616.D

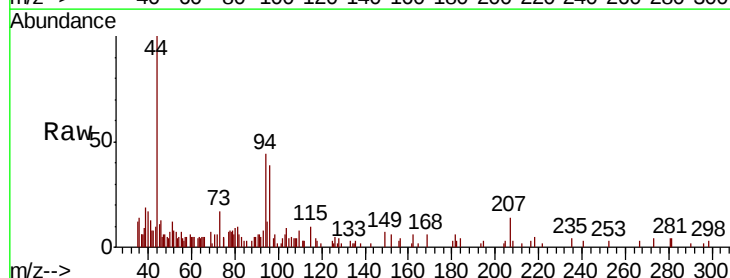
Acq: 28 Sep 2020 13:03

Tgt Ion: 94 Resp: 2651

Ion Ratio Lower Upper

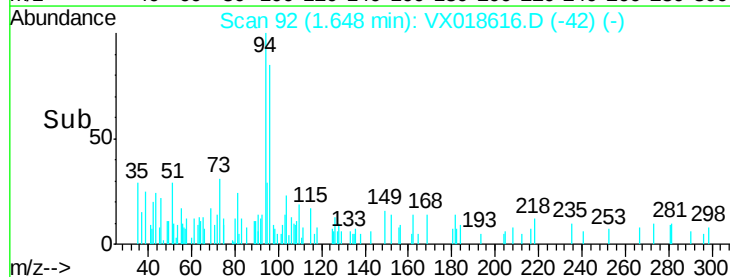
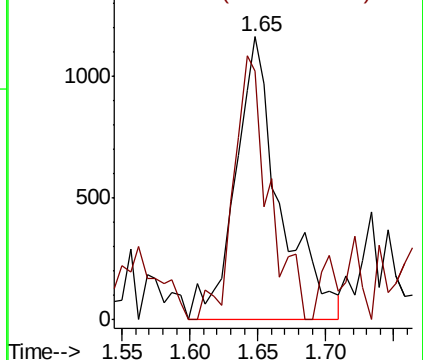
94 100

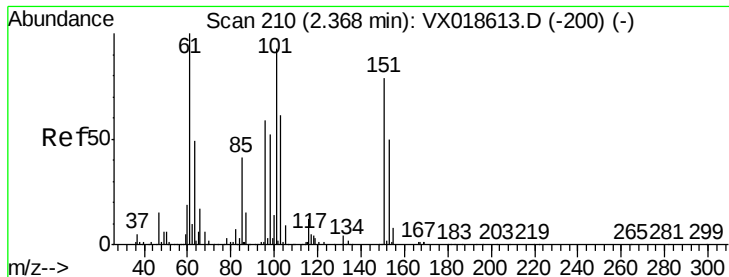
96 88.1 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#10

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

Concen: 0.120 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.02 min

Lab File: VX018616.D

Acq: 28 Sep 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VIBLK61

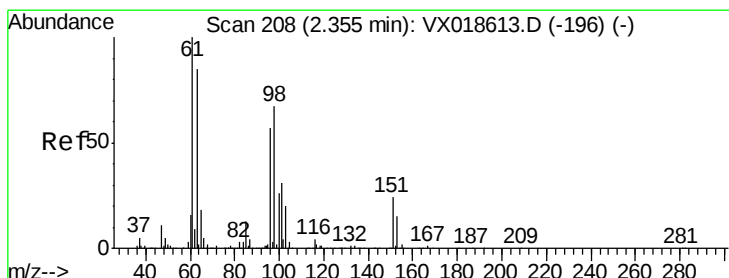
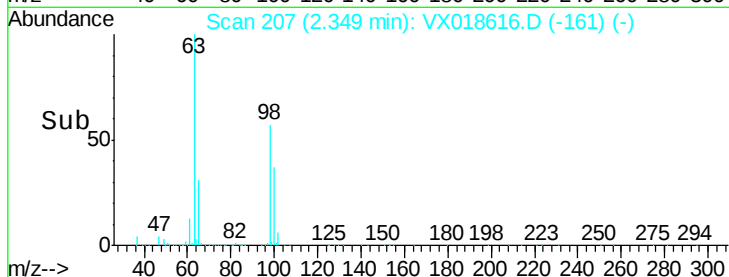
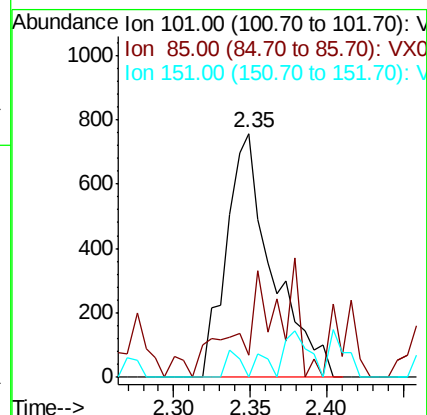
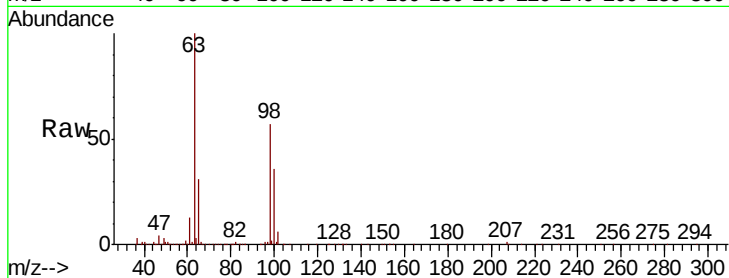
Tot Ion:101 Resp: 1574

Ion Ratio Lower Upper

101 100

85 4.1 36.1 54.1#

151 3.4 65.5 98.3#



#12

1,1-Dichloroethene

Concen: 0.124 ug/L

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX018616.D

Acq: 28 Sep 2020 13:03

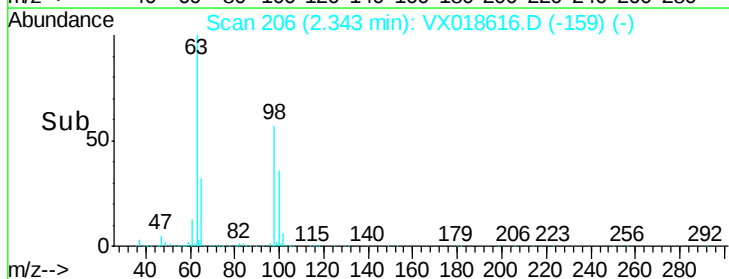
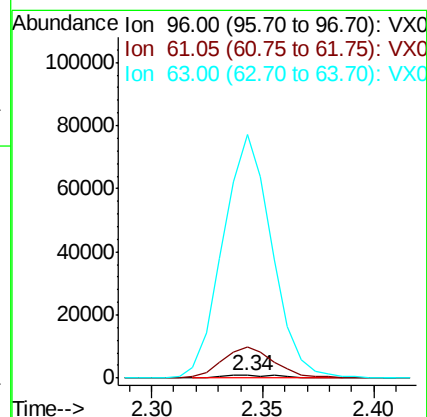
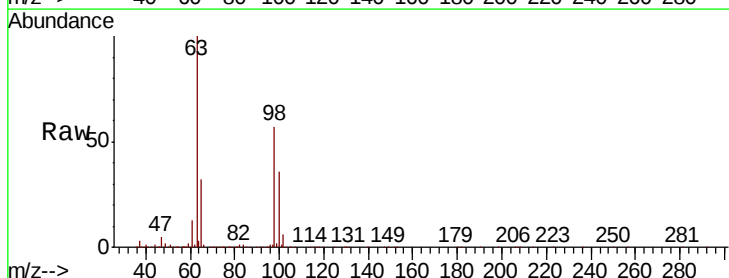
Tgt Ion: 96 Resp: 1545

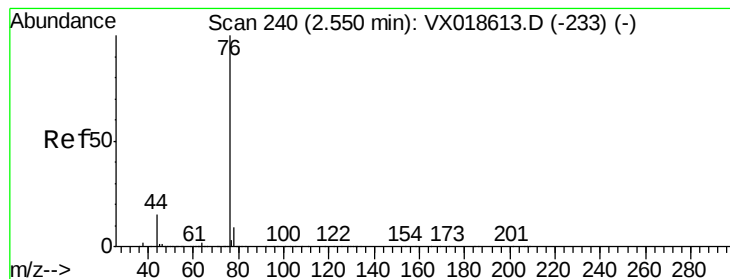
Ion Ratio Lower Upper

96 100

61 1155.4 123.8 229.8#

63 8958.9 104.7 194.4#





#14

Carbon disulfide

Concen: 0.147 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018616.D

Acq: 28 Sep 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

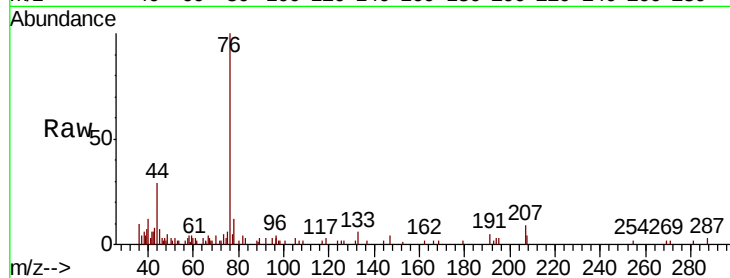
VIBLK61

Tot Ion: 76 Resp: 5558

Ion Ratio Lower Upper

76 100

78 11.5 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

2.55

4000

3000

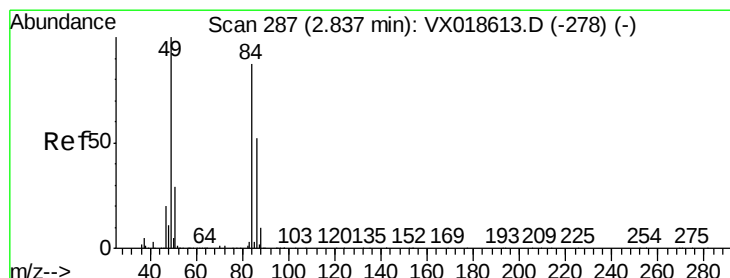
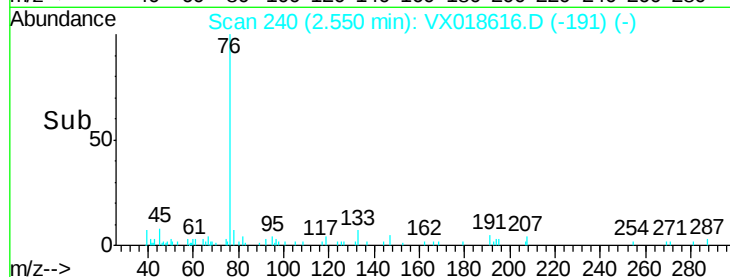
2000

1000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#16

Methylene chloride

Concen: 0.418 ug/L

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX018616.D

Acq: 28 Sep 2020 13:03

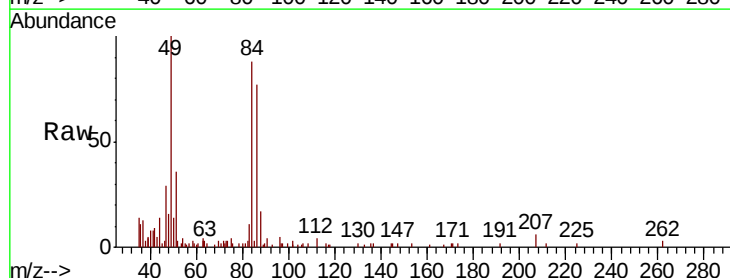
Tgt Ion: 84 Resp: 7115

Ion Ratio Lower Upper

84 100

86 87.0 41.9 77.7#

49 129.2 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

6000

5000

4000

3000

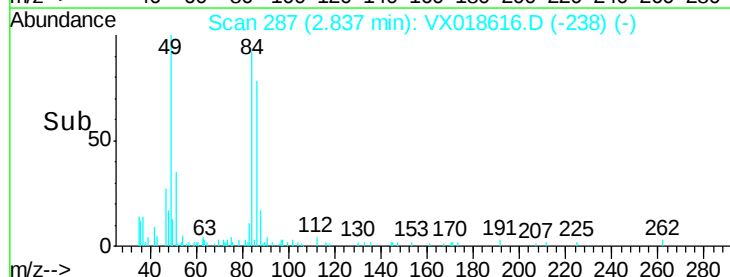
2000

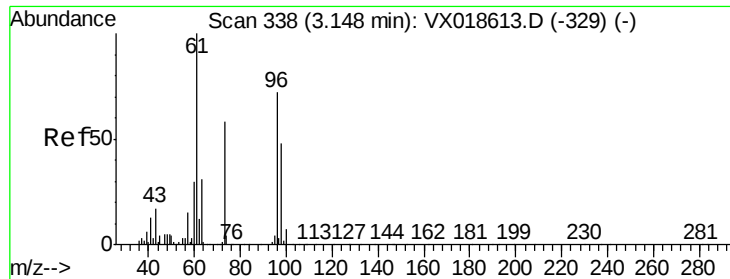
1000

0

Time-->

2.80 2.85 2.90





#18

trans-1,2-Dichloroethene

Concen: 0.074 ug/L

RT: 3.15 min Scan# 338

Delta R.T. -0.00 min

Lab File: VX018616.D

Acq: 28 Sep 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VIBLK61

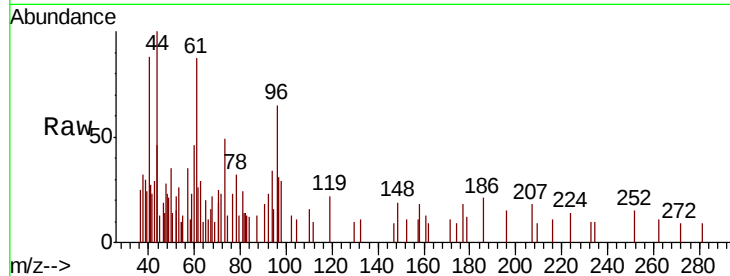
Tot Ion: 96 Resp: 919

Ion Ratio Lower Upper

96 100

61 173.7 97.3 180.7

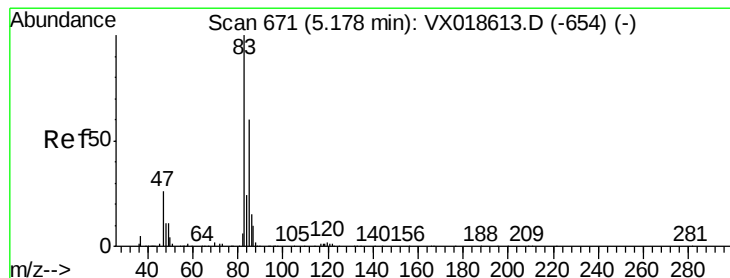
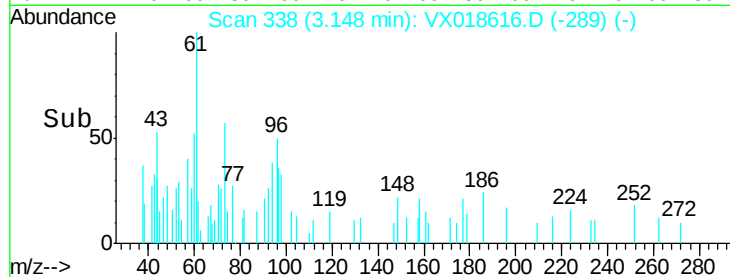
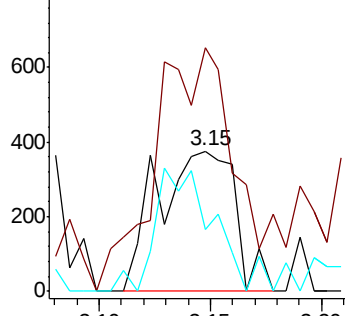
98 44.4 46.6 86.6#



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 97.95 (97.65 to 98.65): VX0



#25

Chloroform

Concen: 0.102 ug/L

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX018616.D

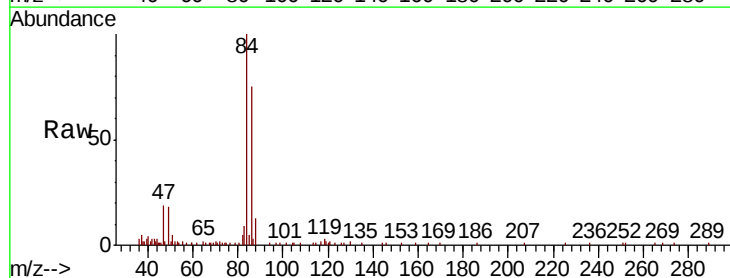
Acq: 28 Sep 2020 13:03

Tgt Ion: 83 Resp: 2484

Ion Ratio Lower Upper

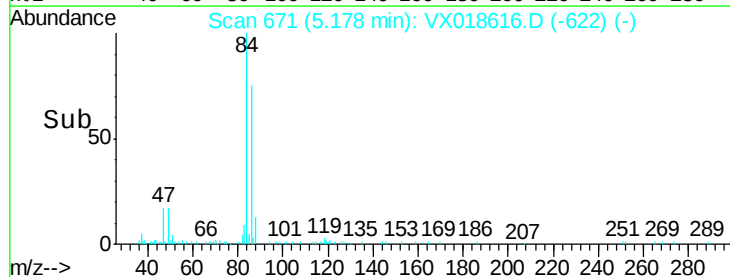
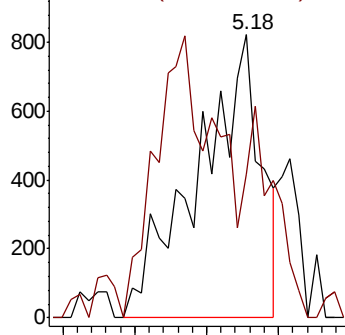
83 100

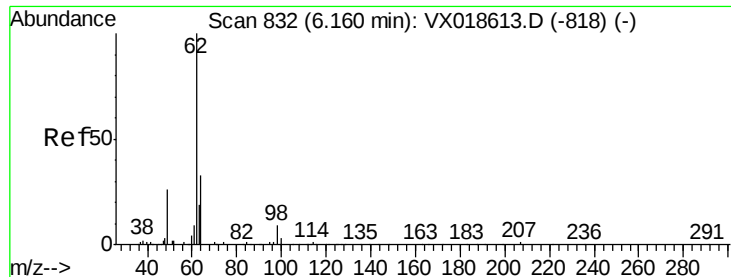
85 50.6 41.8 77.6



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0





#27

1,2-Dichloroethane

Concen: 0.126 ug/L

RT: 6.05 min Scan# 814

Delta R.T. -0.11 min

Lab File: VX018616.D

Acq: 28 Sep 2020 13:03

Instrument :

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ClientSampleId :

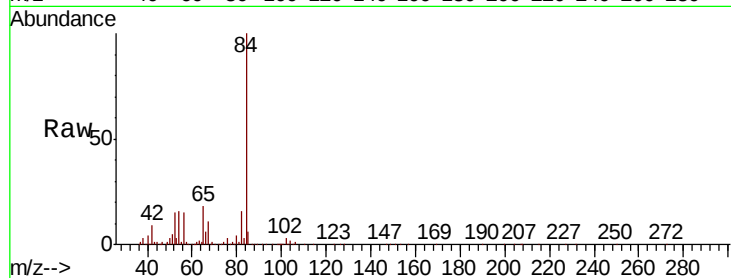
VIBLK61

Tot Ion: 62 Resp: 1938

Ion Ratio Lower Upper

62 100

98 10.2 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.05 (97.75 to 98.75): VX0

6.05

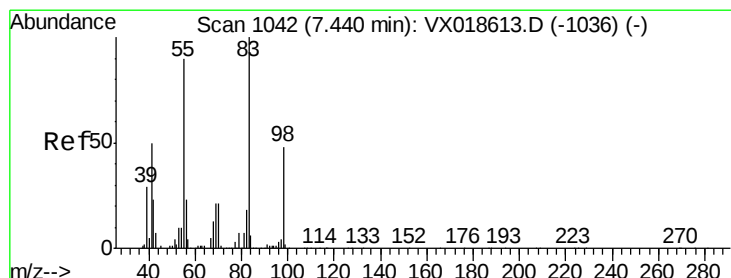
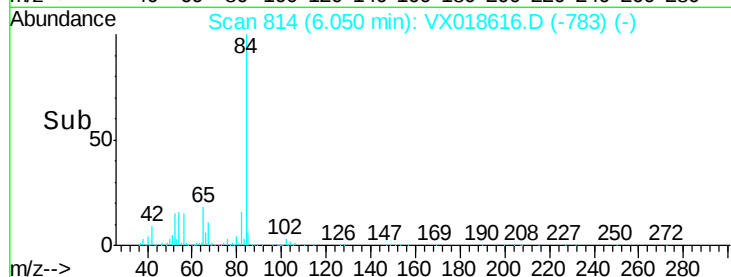
1500

1000

500

0

Time-->



#35

Methylcyclohexane

Concen: 1.067 ug/L

RT: 7.37 min Scan# 1031

Delta R.T. -0.07 min

Lab File: VX018616.D

Acq: 28 Sep 2020 13:03

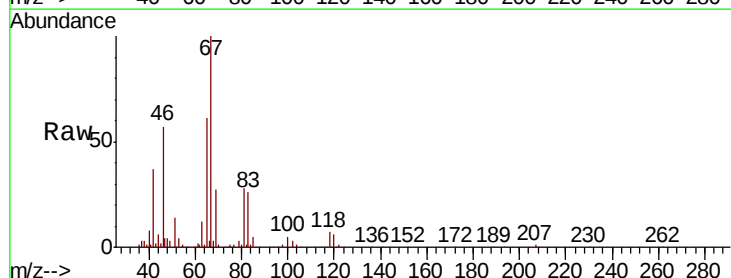
Tgt Ion: 83 Resp: 20533

Ion Ratio Lower Upper

83 100

55 3.6 67.4 101.0#

98 2.6 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

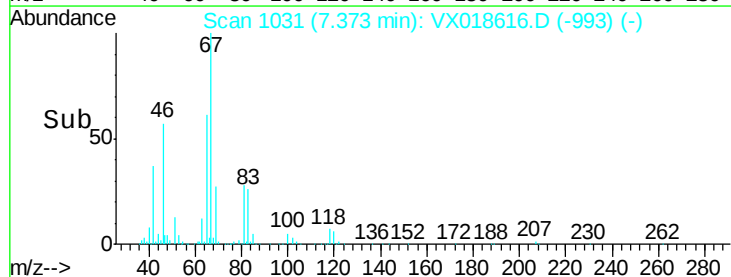
7.37

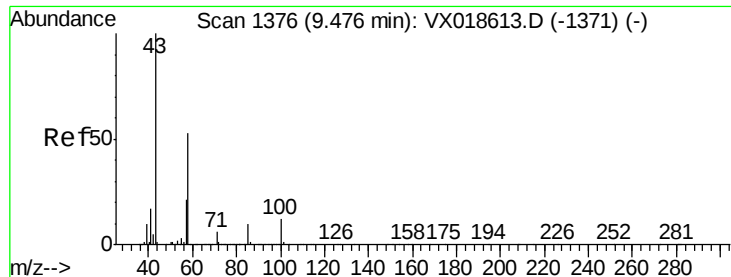
10000

5000

0

Time-->

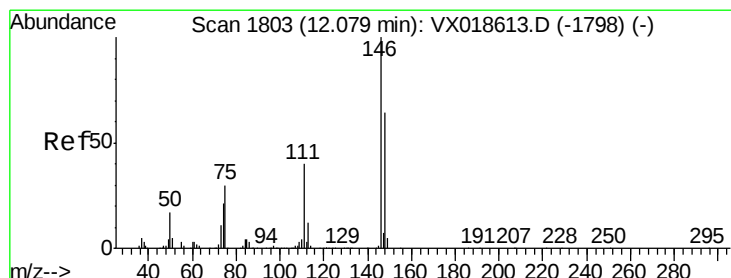
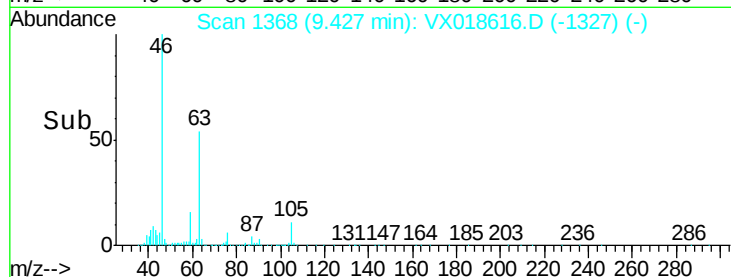
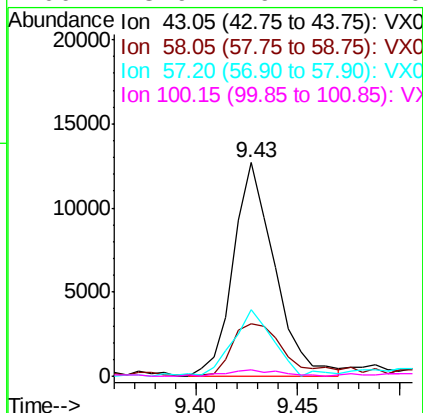
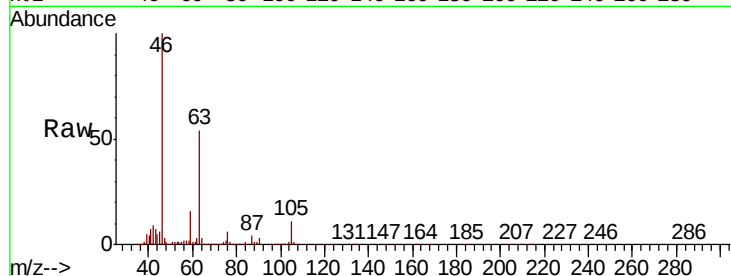




#50
2-Hexanone
Concen: 3.586 ug/L
RT: 9.43 min Scan# 1368
Delta R.T. -0.05 min
Lab File: VX018616.D
Acq: 28 Sep 2020 13:03

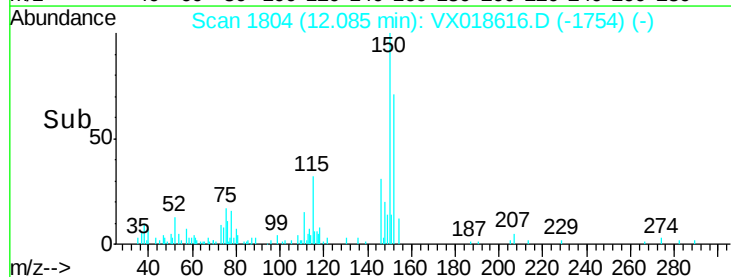
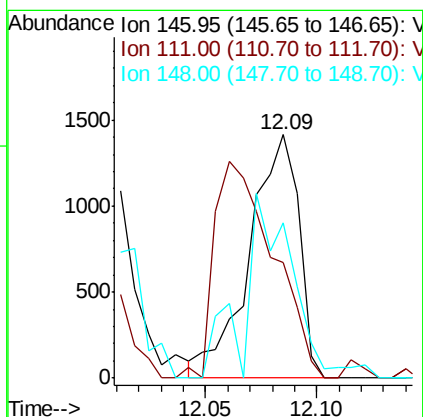
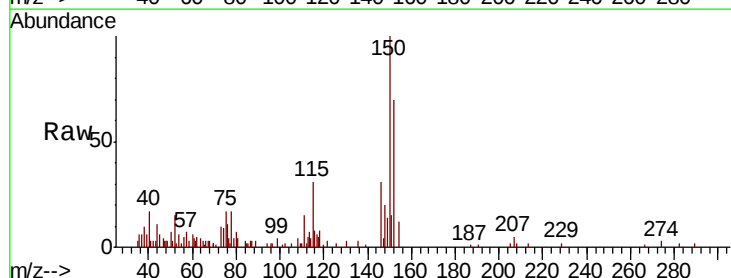
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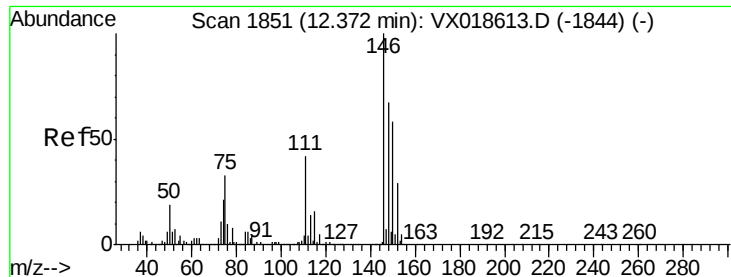
Tot Ion:	43	Resp:	17941
Ion	Ratio	Lower	Upper
43	100		
58	34.1	42.5	63.7#
57	31.9	15.9	23.9#
100	3.9	9.4	14.0#



#64
1,4-Dichlorobenzene
Concen: 0.086 ug/L
RT: 12.09 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VX018616.D
Acq: 28 Sep 2020 13:03

Tgt Ion:	146	Resp:	2183
Ion	Ratio	Lower	Upper
146	100		
111	47.7	28.8	53.4
148	63.9	44.9	83.3





#66

1,2-Dichlorobenzene

Concen: 0.061 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX018616.D

Acq: 28 Sep 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VIBLK61

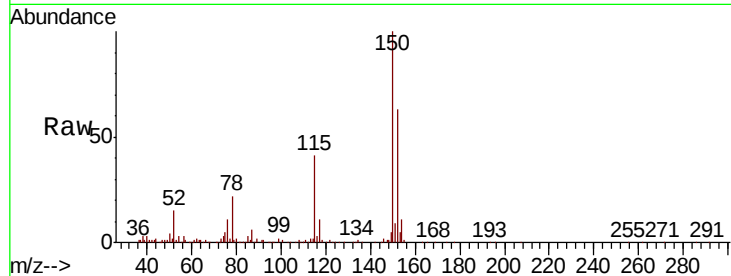
Tot Ion:146 Resp: 1413

Ion Ratio Lower Upper

146 100

111 71.9 33.6 50.4#

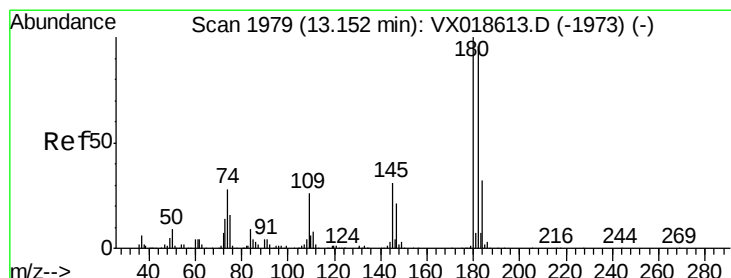
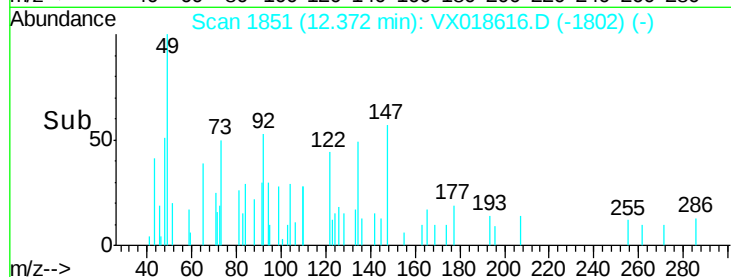
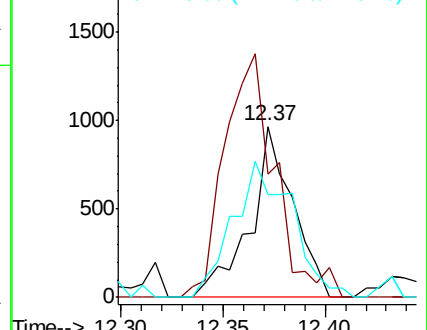
148 60.0 53.4 80.2



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



#68

1,3,5-Trichlorobenzene

Concen: 0.095 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VX018616.D

Acq: 28 Sep 2020 13:03

Tgt Ion:180 Resp: 1783

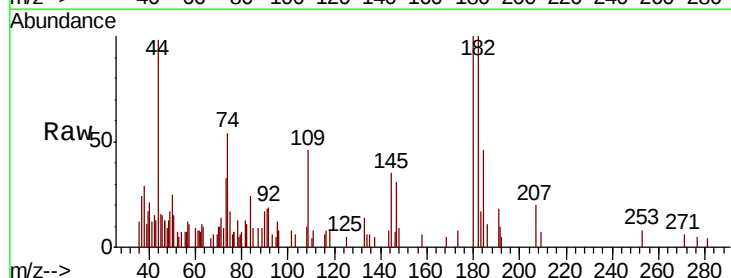
Ion Ratio Lower Upper

180 100

182 92.8 72.4 108.6

184 43.1 25.3 37.9#

145 36.9 25.6 38.4

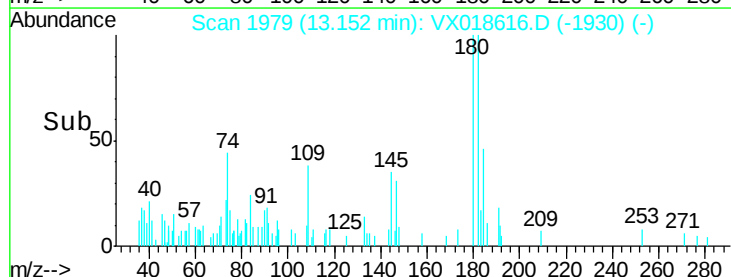
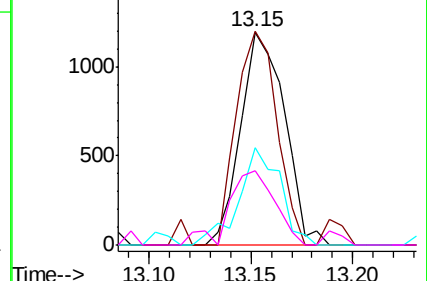


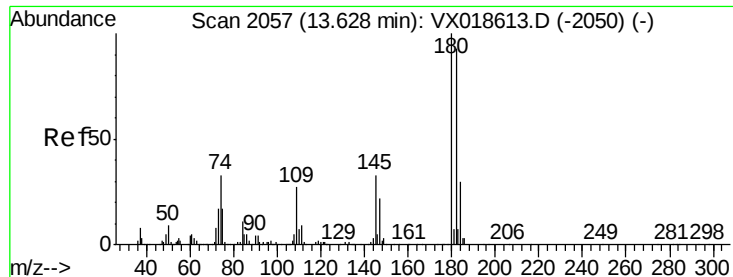
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

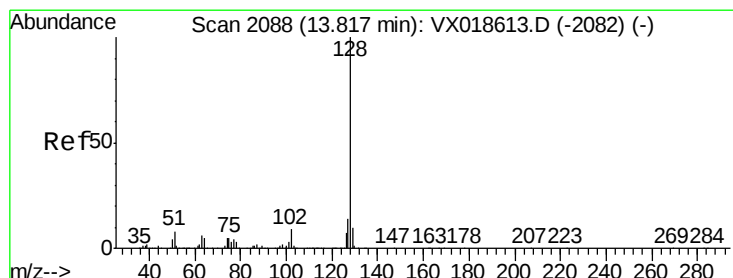
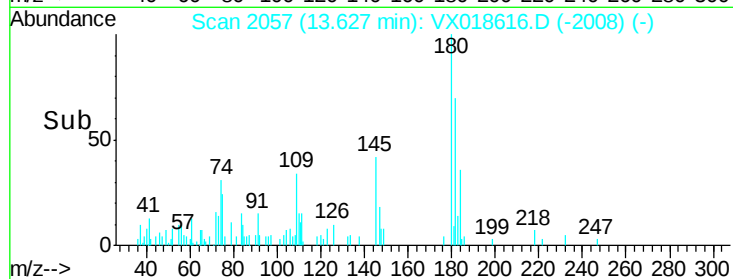
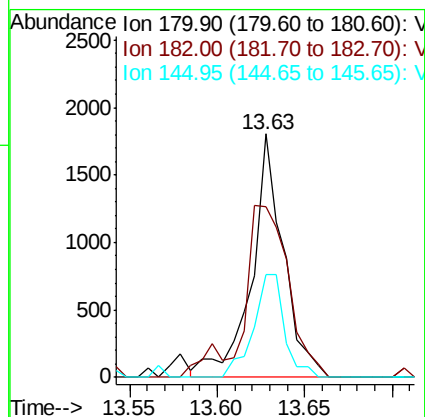
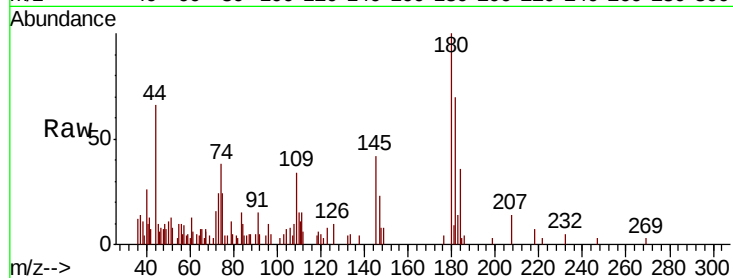




#69
1,2,4-trichlorobenzene
Concen: 0.150 ug/L
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX018616.D
Acq: 28 Sep 2020 13:03

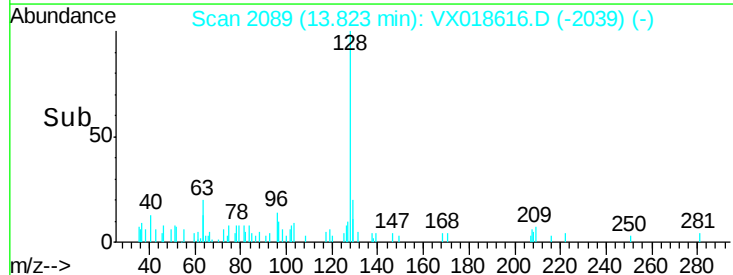
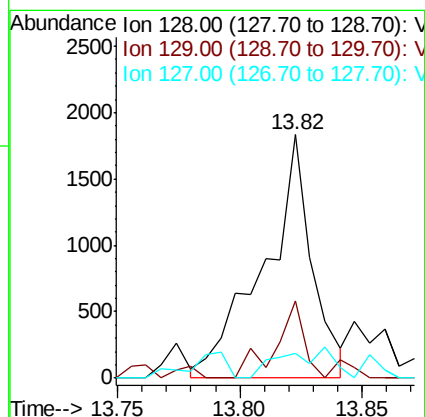
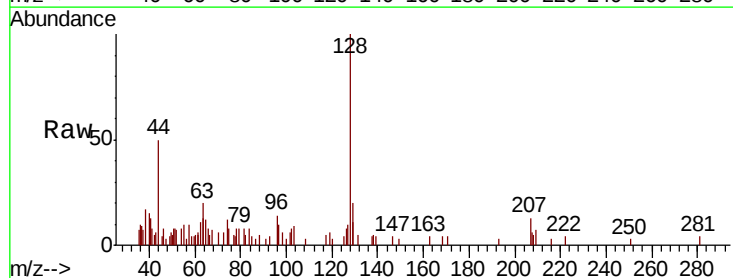
Instrument :
MSVOA_X
ClientSampleId :
VIBLK61

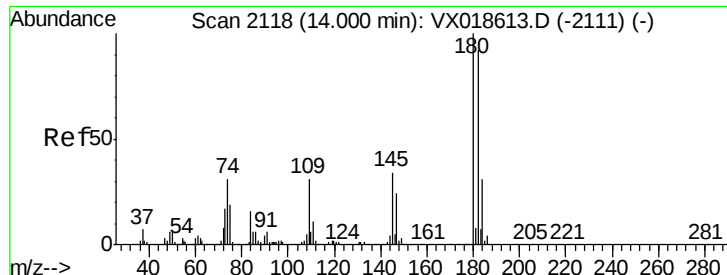
Tot Ion:180 Resp: 2304
Ion Ratio Lower Upper
180 100
182 89.3 74.6 112.0
145 41.3 25.0 37.6#



#70
Naphthalene
Concen: 0.097 ug/L
RT: 13.82 min Scan# 2089
Delta R.T. 0.01 min
Lab File: VX018616.D
Acq: 28 Sep 2020 13:03

Tgt Ion:128 Resp: 2528
Ion Ratio Lower Upper
128 100
129 18.6 8.8 13.2#
127 13.0 10.7 16.1





#71

1,2,3-Trichlorobenzene

Concen: 0.153 ug/L

RT: 13.99 min Scan# 2117

Delta R.T. -0.01 min

Lab File: VX018616.D

Acq: 28 Sep 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VIBLK61

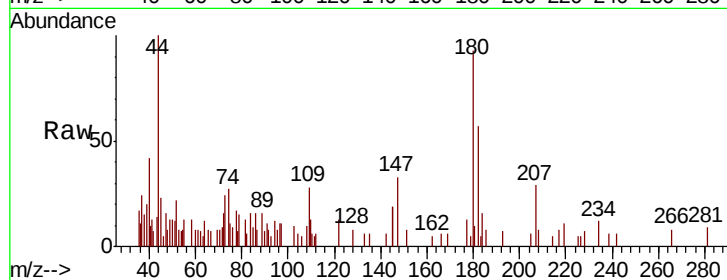
Tot Ion:180 Resp: 2128

Ion Ratio Lower Upper

180 100

182 98.7 77.7 116.5

145 32.9 28.6 42.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

