

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080720\
 Data File : VX017837.D
 Acq On : 07 Aug 2020 20:07
 Operator : JC/SP
 Sample : L3591-10
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 08 00:14:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 08 00:10:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	267771	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	268624	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	122426	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	92109	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.69	69	78606	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.00%
11) 1,1-Dichloroethene-d2	2.34	63	218058	5.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.40%
20) 2-Butanone-d5	4.53	46	224366	45.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.32%
24) Chloroform-d	5.14	84	173777	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	6.03	65	99703	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	6.05	84	331159	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	7.37	67	109869	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	8.70	98	319386	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
45) trans-1,3-Dichloropropene-	8.99	79	39631	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
48) 2-Hexanone-d5	9.43	63	182717	44.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.06%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	72703	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	124622	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

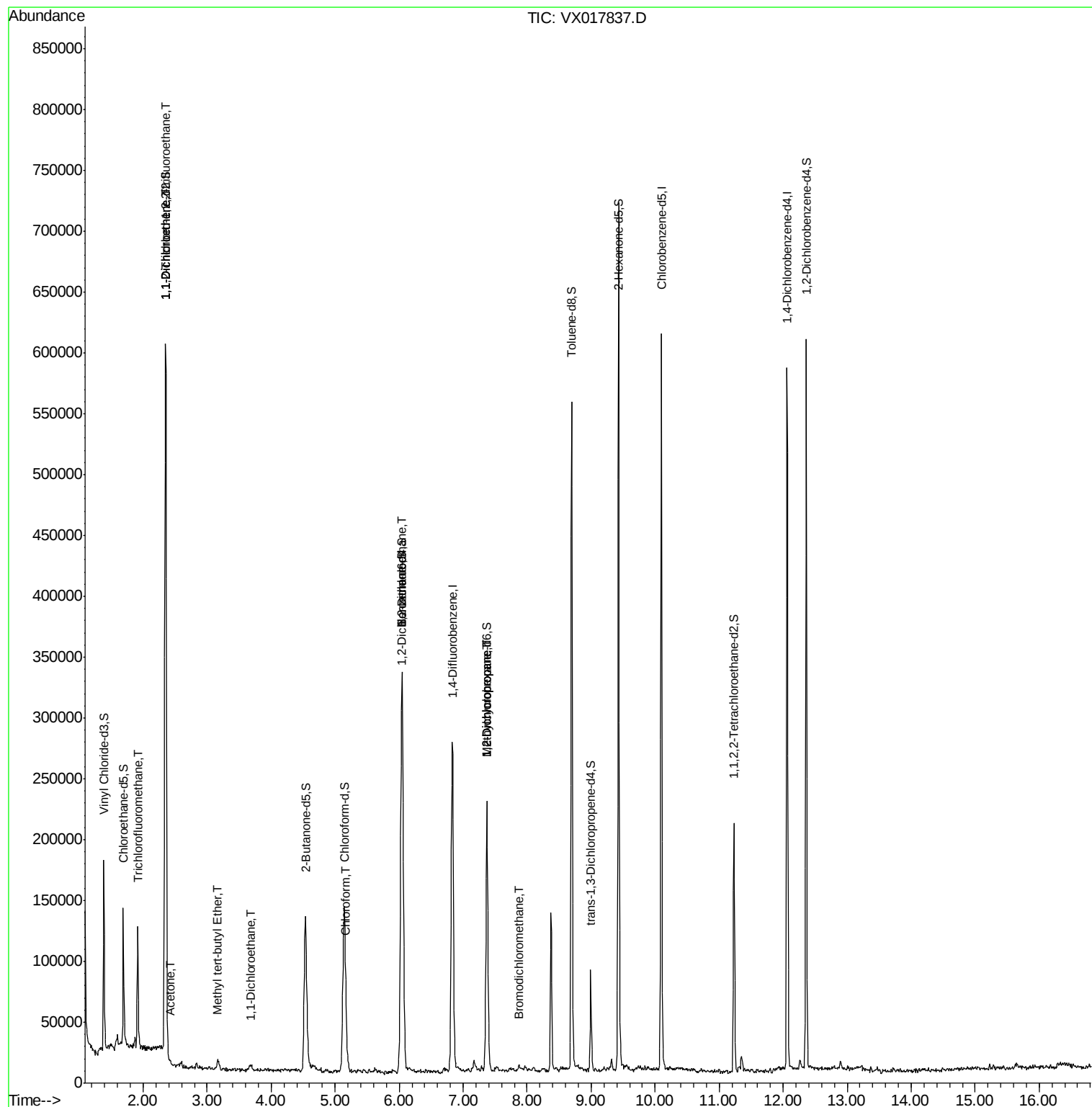
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.92	101	59555	1.467	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.34	101	2456	0.111	ug/L #	31
12) 1,1-Dichloroethene	2.36	96	147767	7.200	ug/L	89
13) Acetone	2.42	43	3745	1.043	ug/L	99
17) Methyl tert-butyl Ether	3.17	73	8091	0.147	ug/L #	78
19) 1,1-Dichloroethane	3.67	63	5119	0.123	ug/L #	84
25) Chloroform	5.17	83	15725	0.351	ug/L	98
27) 1,2-Dichloroethane	6.05	62	2449	0.085	ug/L	98
35) Methylcyclohexane	7.37	83	27717	0.710	ug/L #	19
37) 1,2-Dichloropropane	7.37	63	12534	0.524	ug/L #	88
38) Bromodichloromethane	7.87	83	3447	0.103	ug/L	94

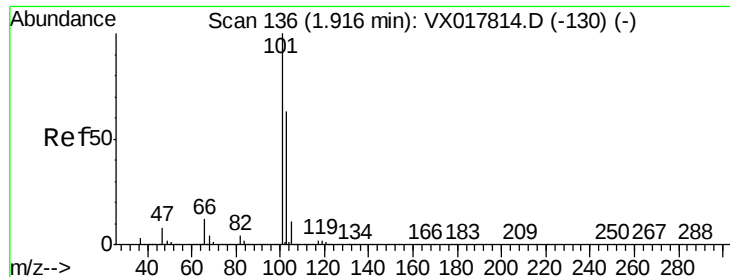
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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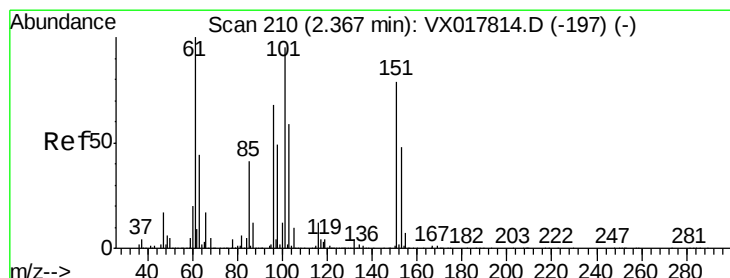
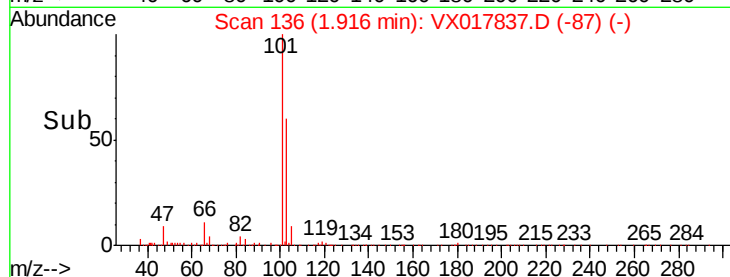
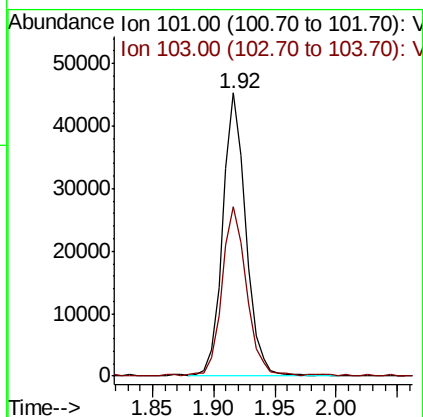
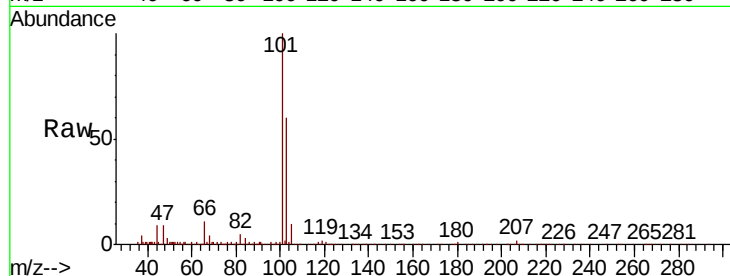


#9

Trichlorofluoromethane
Concen: 1.467 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017837.D
Acq: 07 Aug 2020 20:07

Instrument :
MSVOA_X
ClientSampled :

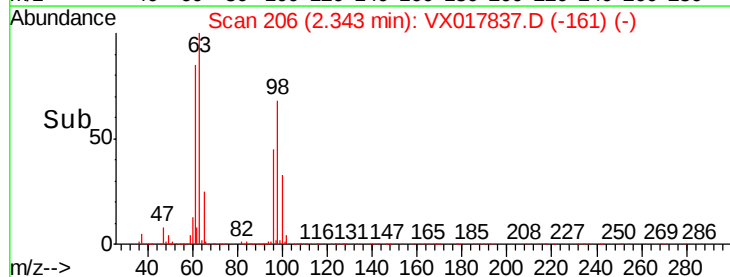
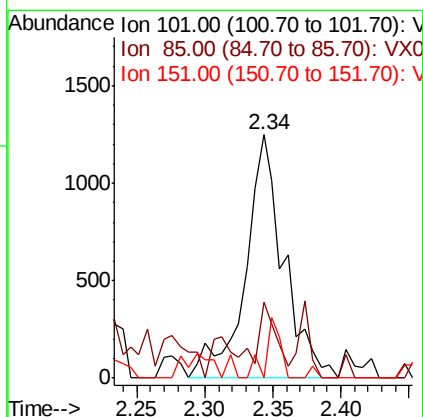
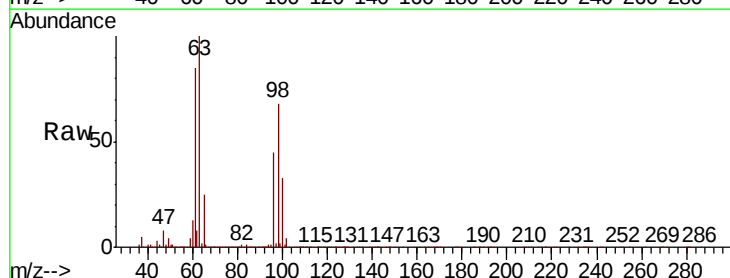
Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.0	78.0

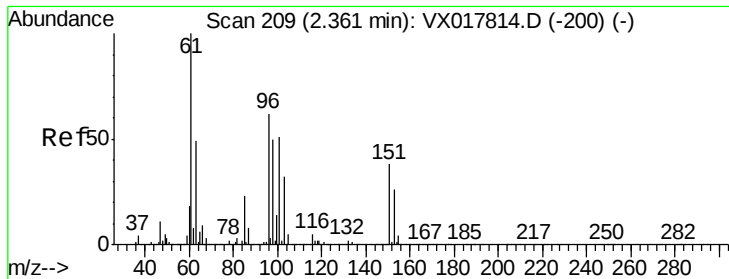


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.111 ug/L
RT: 2.34 min Scan# 206
Delta R.T. -0.02 min
Lab File: VX017837.D
Acq: 07 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
101	100		
85	13.0	34.3	51.5#
151	9.6	64.8	97.2#





#12

1,1-Dichloroethene

Concen: 7.200 ug/L

RT: 2.36 min Scan# 208

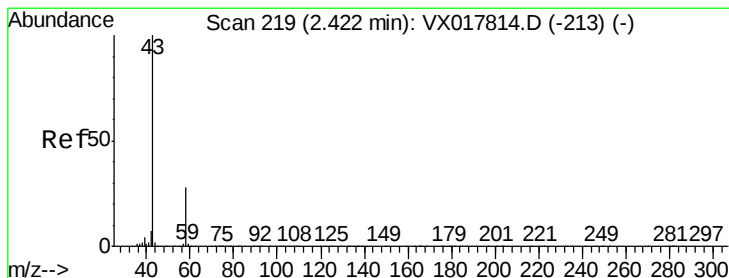
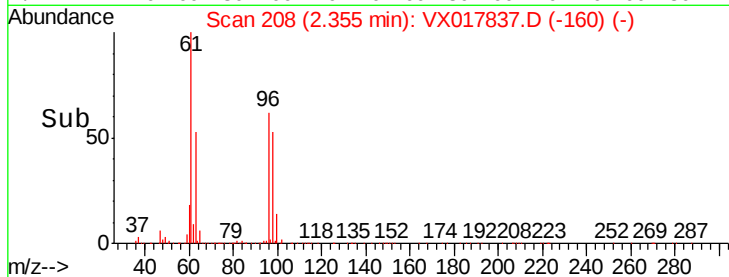
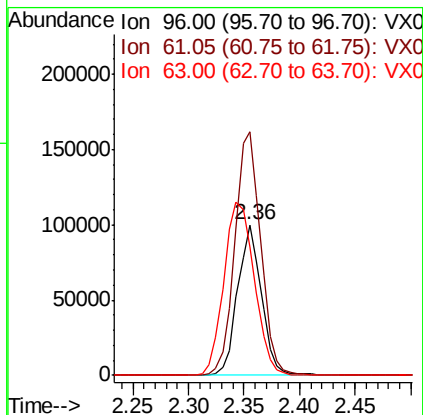
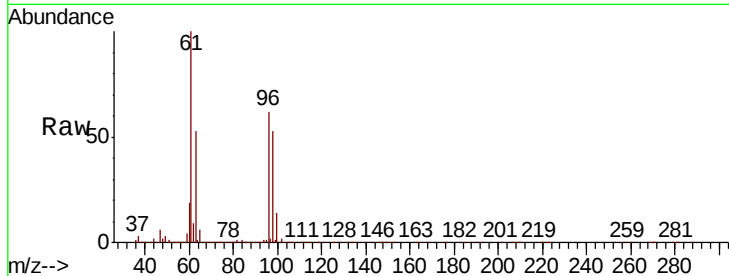
Delta R.T. -0.01 min

Lab File: VX017837.D

Acq: 07 Aug 2020 20:07

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	96	Resp:	147767
Ion	Ratio	Lower	Upper
96	100		
61	161.6	123.5	229.3
63	85.3	67.0	124.4



#13

Acetone

Concen: 1.043 ug/L

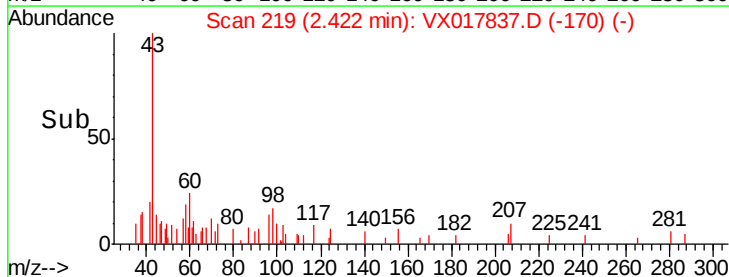
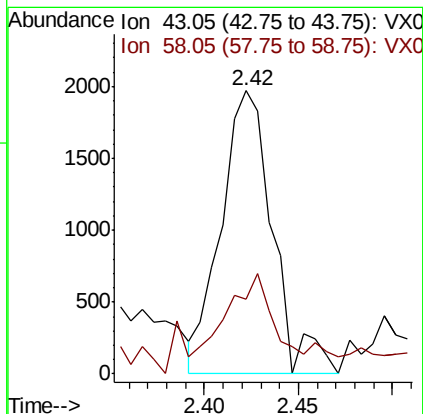
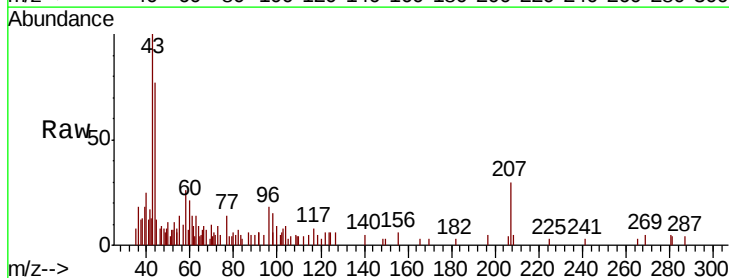
RT: 2.42 min Scan# 219

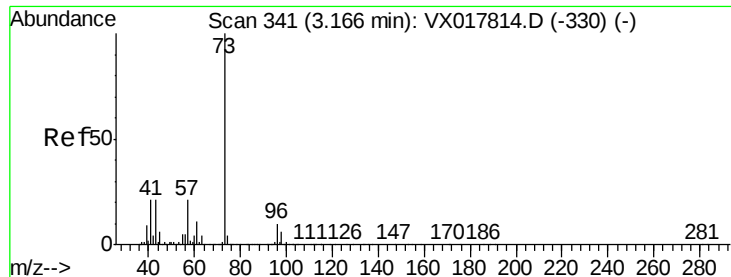
Delta R.T. 0.00 min

Lab File: VX017837.D

Acq: 07 Aug 2020 20:07

Tgt Ion:	43	Resp:	3745
Ion	Ratio	Lower	Upper
43	100		
58	29.8	0.0	60.8



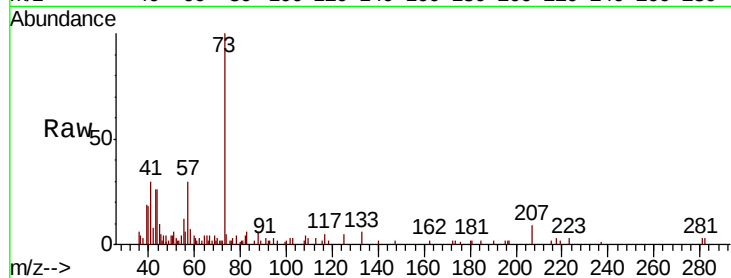


#17

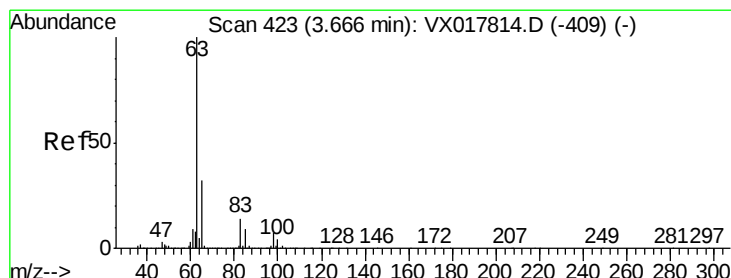
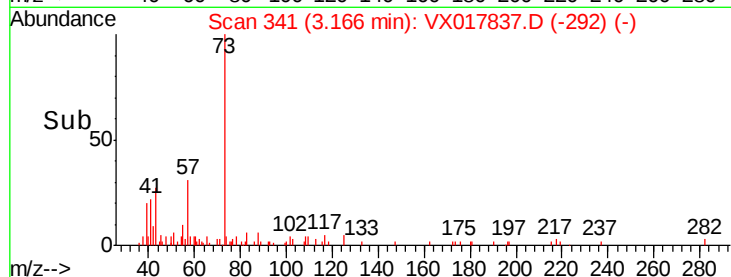
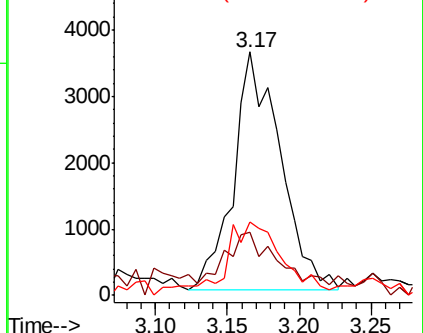
Methvl tert-butvl Ether
 Concen: 0.147 ug/L
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX017837.D
 Acq: 07 Aug 2020 20:07

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	26.3	17.7	26.5
57	38.5	17.0	25.6



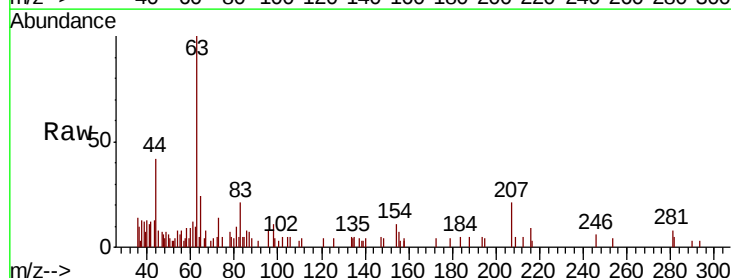
Abundance Ion 73.10 (72.80 to 73.80): VX0
 Ion 43.05 (42.75 to 43.75): VX0
 Ion 57.10 (56.80 to 57.80): VX0



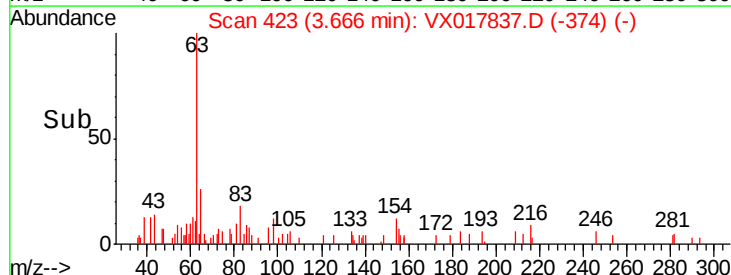
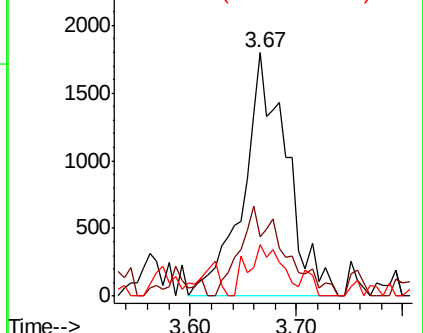
#19

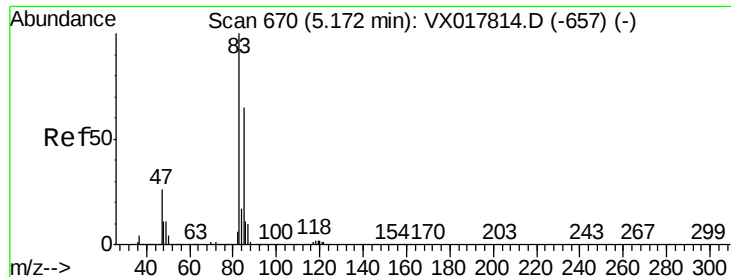
1,1-Dichloroethane
 Concen: 0.123 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX017837.D
 Acq: 07 Aug 2020 20:07

Tgt Ion	Ratio	Lower	Upper
63	100		
65	24.3	22.6	42.0
83	21.5	9.5	17.7



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





#25

Chloroform

Concen: 0.351 ug/L

RT: 5.17 min Scan# 670

Delta R.T. 0.00 min

Lab File: VX017837.D

Acq: 07 Aug 2020 20:07

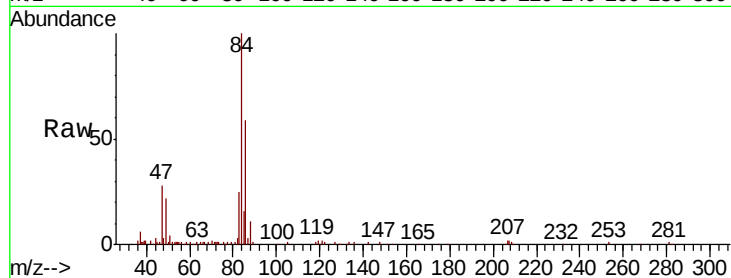
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 83 Resp: 15725

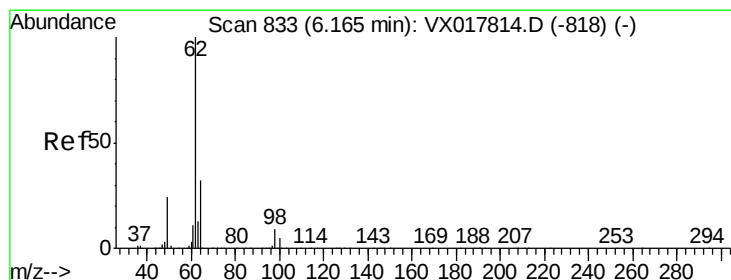
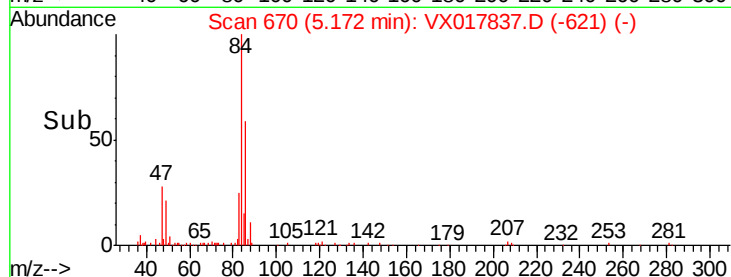
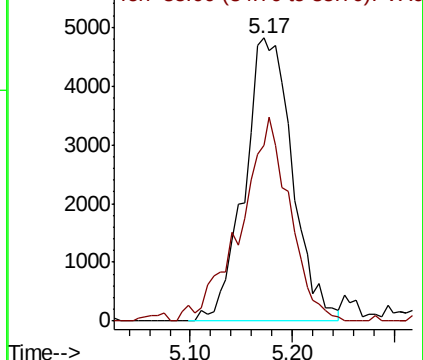
Ion Ratio Lower Upper

83 100

85 62.1 44.7 83.1



Abundance Ion 83.05 (82.75 to 83.75): VX0
Ion 85.00 (84.70 to 85.70): VX0



#27

1,2-Dichloroethane

Concen: 0.085 ug/L

RT: 6.05 min Scan# 814

Delta R.T. -0.12 min

Lab File: VX017837.D

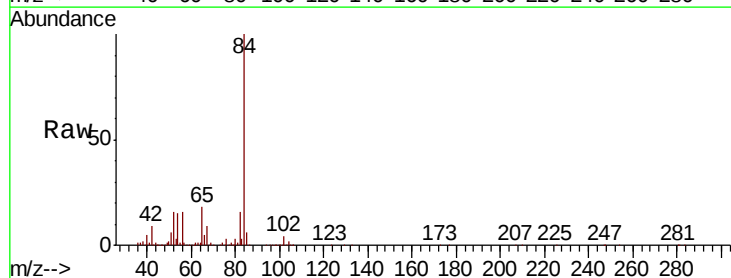
Acq: 07 Aug 2020 20:07

Tgt Ion: 62 Resp: 2449

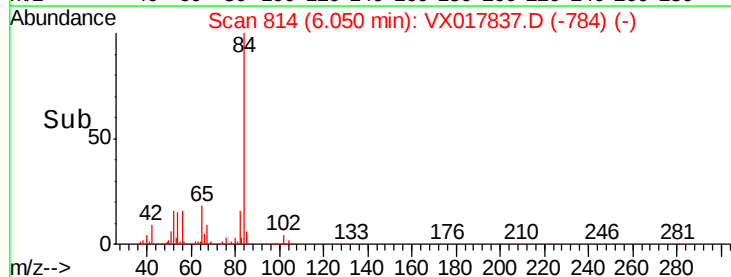
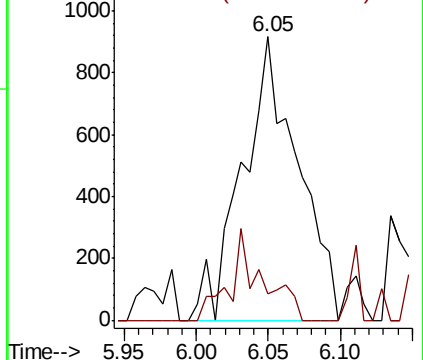
Ion Ratio Lower Upper

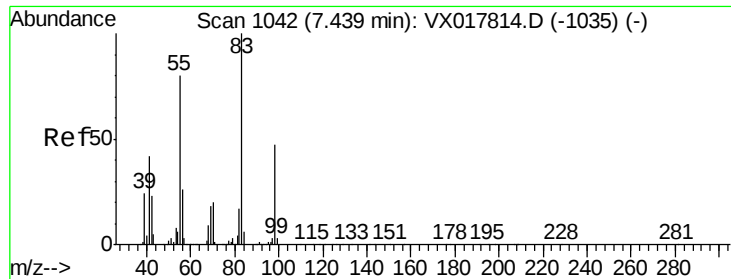
62 100

98 9.3 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.05 (97.75 to 98.75): VX0

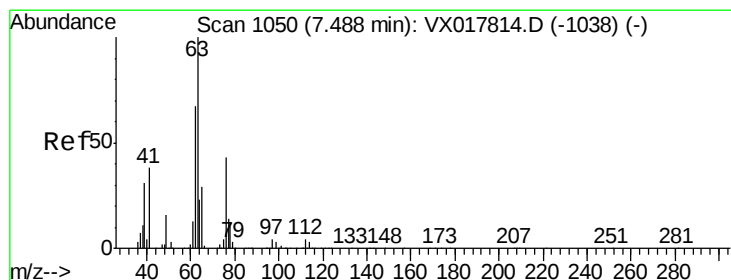
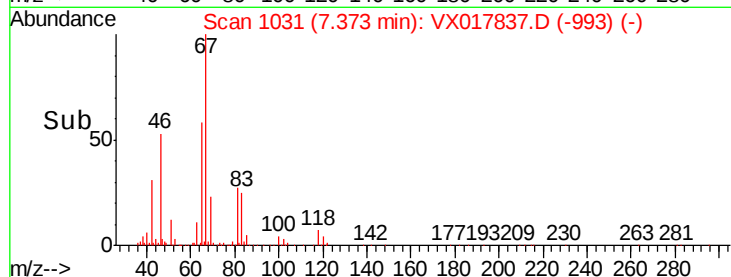
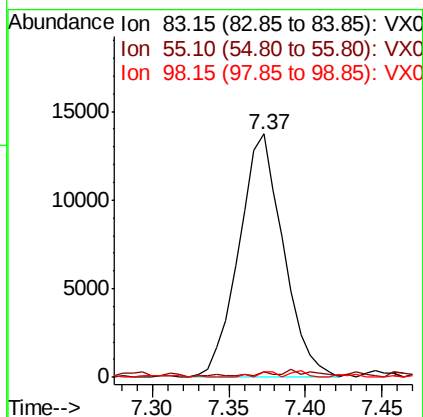
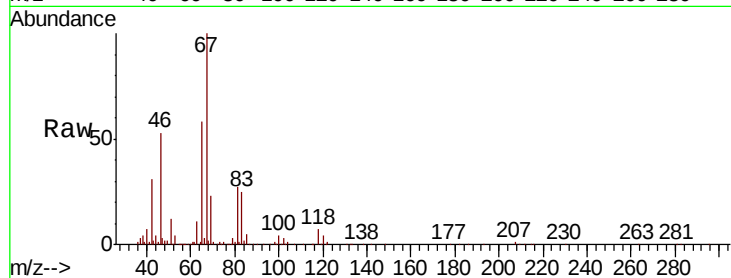




#35
Methvlcvclohexane
Concen: 0.710 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.07 min
Lab File: VX017837.D
Acq: 07 Aug 2020 20:07

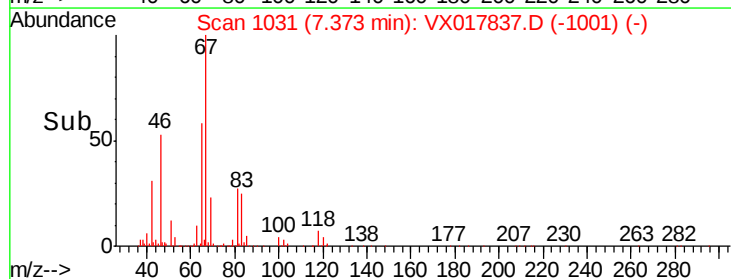
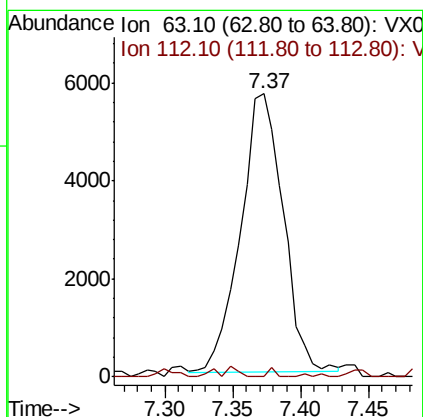
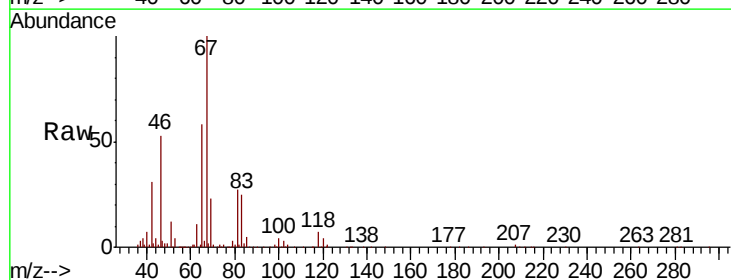
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MSVOA_X
ClientSampleId :

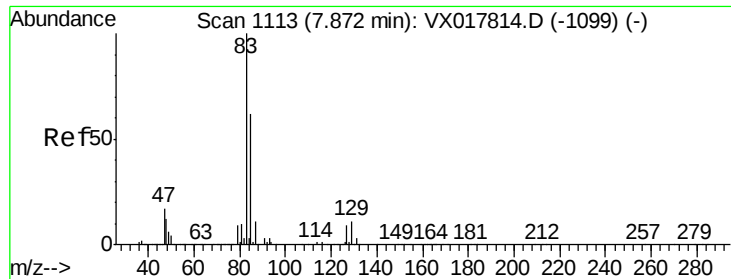
Tot Ion: 83 Resp: 27717
Ion Ratio Lower Upper
83 100
55 0.6 62.4 93.6#
98 1.0 38.0 57.0#



#37
1,2-Dichloropropane
Concen: 0.524 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VX017837.D
Acq: 07 Aug 2020 20:07

Tgt Ion: 63 Resp: 12534
Ion Ratio Lower Upper
63 100
112 0.6 3.6 5.4#





#38

Bromodichloromethane

Concen: 0.103 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX017837.D

Acq: 07 Aug 2020 20:07

Instrument :
MSVOA_X
ClientSampleId :

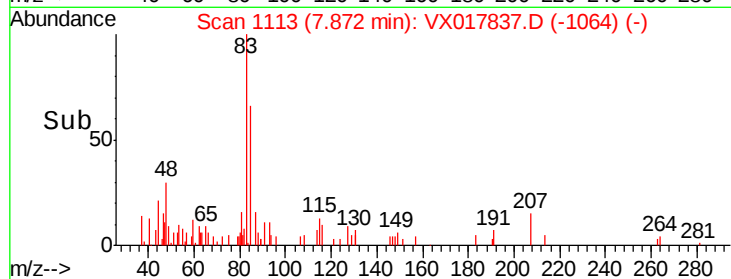
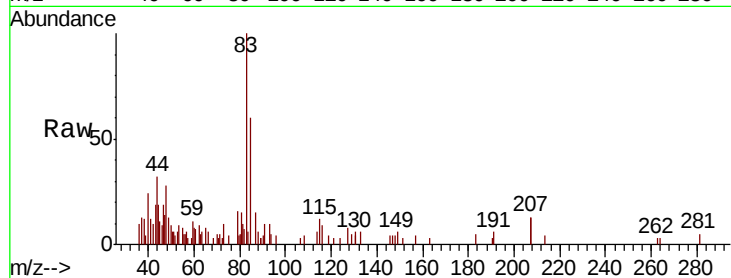
Tot Ion: 83 Resp: 3447

Ion Ratio Lower Upper

83 100

85 60.4 45.9 85.3

127 8.0 7.9 11.9



Abundance Ion 82.95 (82.65 to 83.65): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 126.90 (126.60 to 127.60): V

