

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
 Data File : VU039407.D
 Acq On : 09 Jul 2020 19:52
 Operator : SY/MD
 Sample : L3231-09DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4310DL

Quant Time: Jul 10 00:23:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 10 00:19:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	100184	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	92476	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46636	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	24462	4.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	1.92	69	51125	8.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	172.20%#
11) 1,1-Dichloroethene-d2	2.57	63	42979	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	4.65	46	156932	59.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.14%
24) Chloroform-d	5.08	84	59894	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.72	65	42605	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
32) Benzene-d6	5.74	84	126990	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.00%
36) 1,2-Dichloropropane-d6	6.70	67	44199	5.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.00%
41) Toluene-d8	7.91	98	108579	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.60%
43) trans-1,3-Dichloropropene-	8.19	79	17637	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	8.65	63	121549	59.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.64%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	43293	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	44947	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

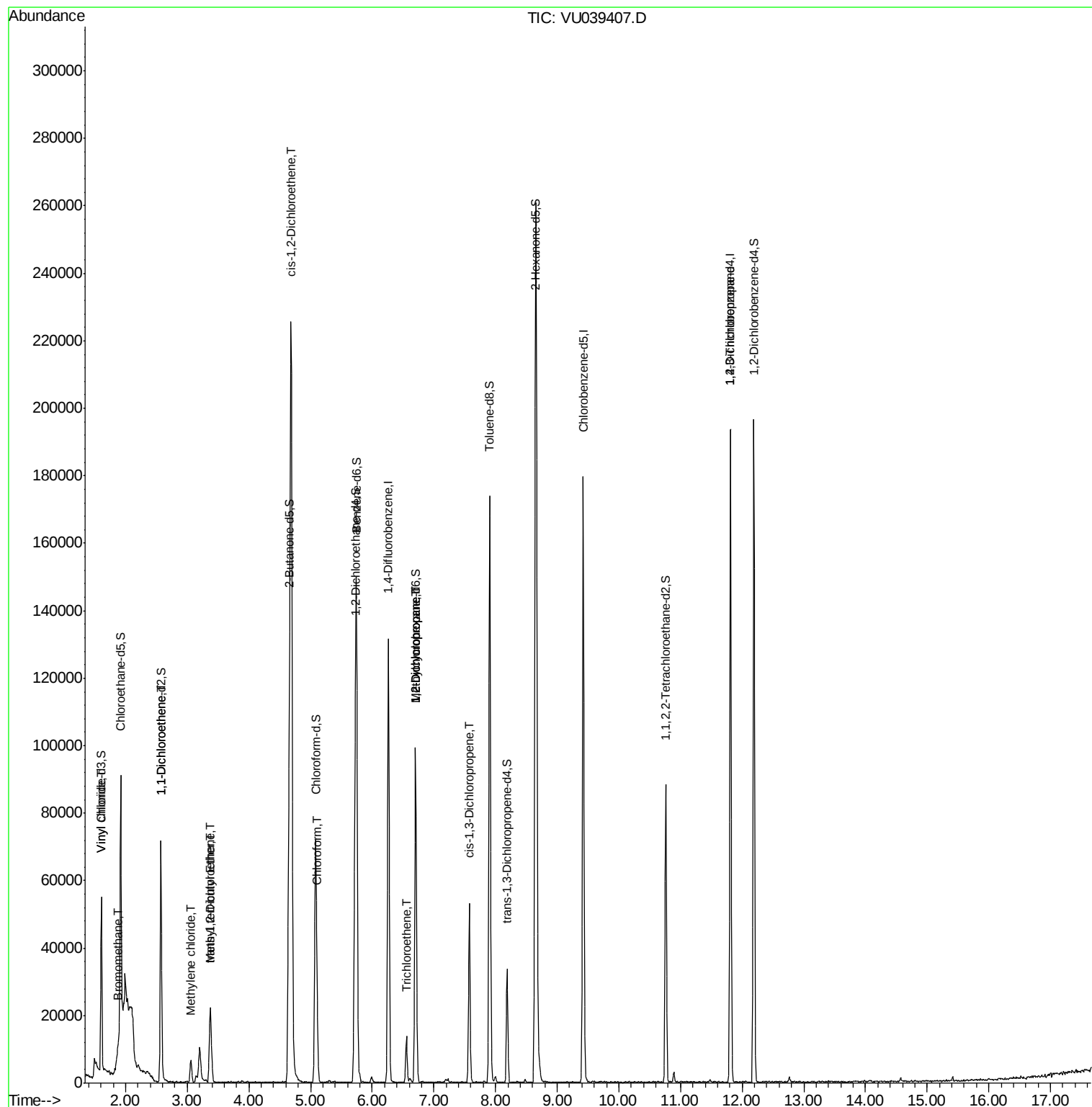
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	8209	1.005	ug/L #	69
6) Bromomethane	1.87	94	670	0.190	ug/L	89
12) 1,1-Dichloroethene	2.58	96	585	0.098	ug/L #	1
16) Methylene chloride	3.05	84	3034	0.405	ug/L	87
17) Methyl tert-butyl Ether	3.38	73	13255	0.706	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	5069	0.768	ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	94900	12.831	ug/L	99
25) Chloroform	5.11	83	8257	0.634	ug/L	100
34) Trichloroethene	6.56	95	3964	0.555	ug/L	88
35) Methylcyclohexane	6.70	83	9600	0.838	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5484	0.728	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1590	0.140	ug/L #	75
59) 1,2,3-Trichloropropane	11.81	75	7319	1.318	ug/L	94

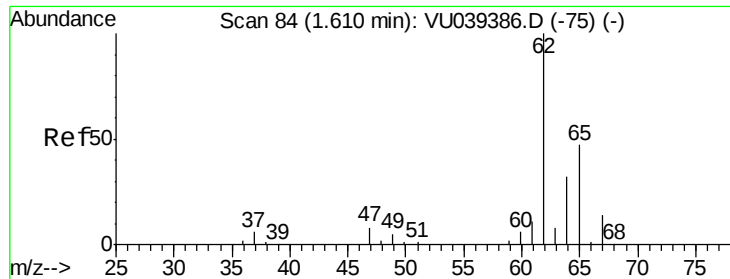
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 10 00:19:08 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.005 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039407.D

Acq: 09 Jul 2020 19:52

Instrument :

MSVOA_U

ClientSampleId :

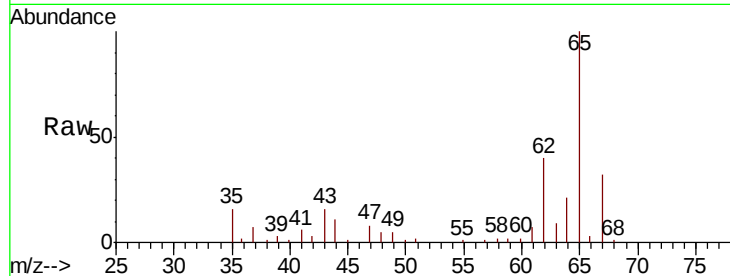
H4310DL

Tot Ion: 62 Resp: 8209

Ion Ratio Lower Upper

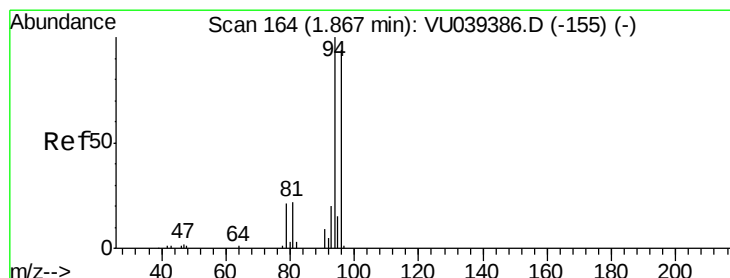
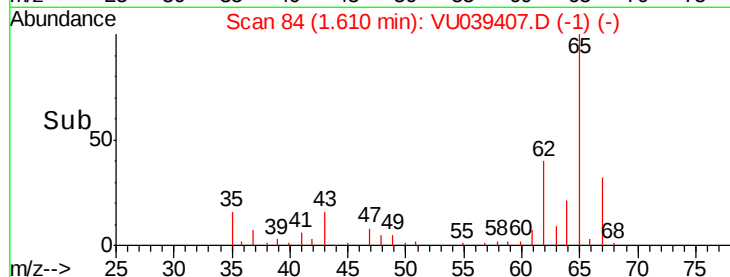
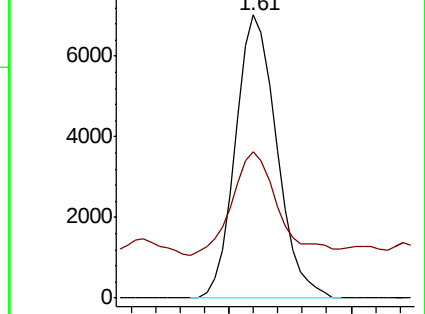
62 100

64 51.5 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU039386.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039386.D (-75) (-)



#6

Bromomethane

Concen: 0.190 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039407.D

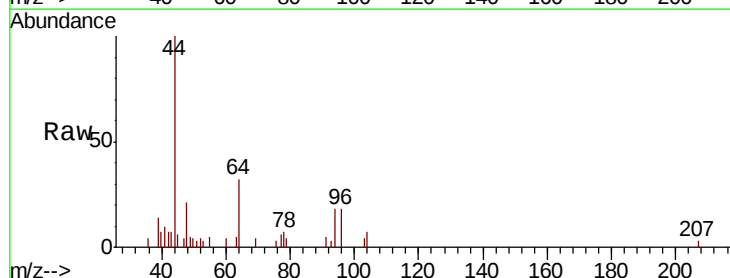
Acq: 09 Jul 2020 19:52

Tgt Ion: 94 Resp: 670

Ion Ratio Lower Upper

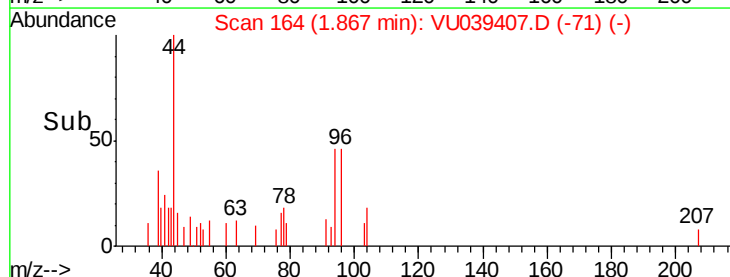
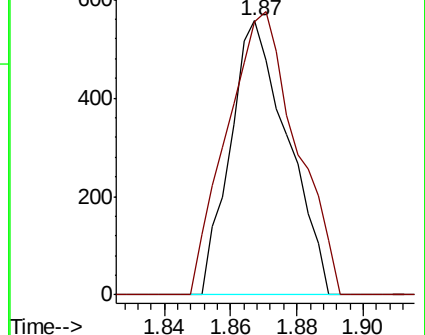
94 100

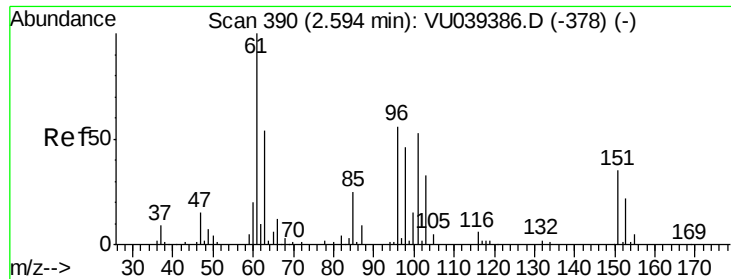
96 99.6 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU039386.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039386.D (-155) (-)

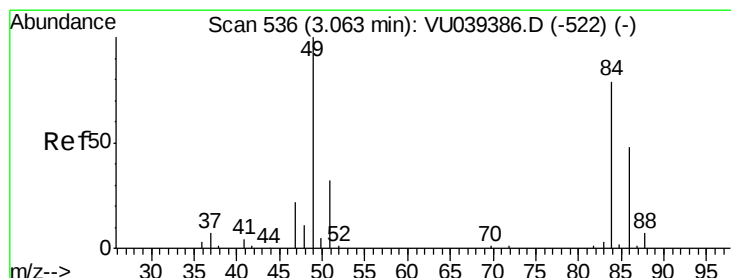
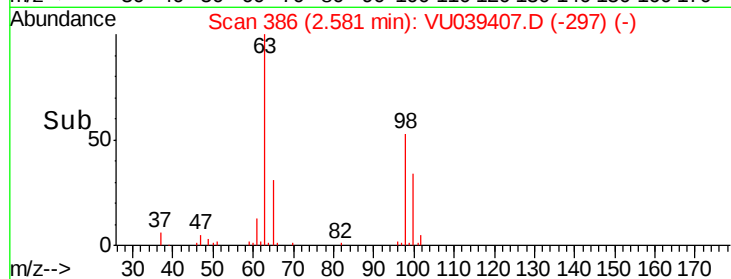
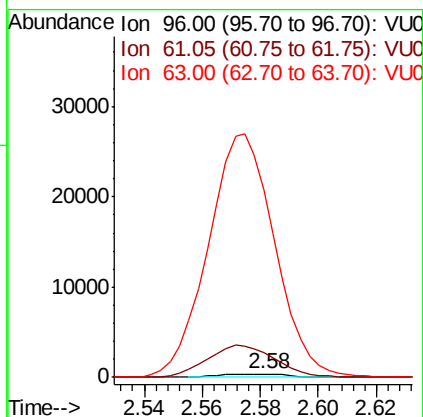
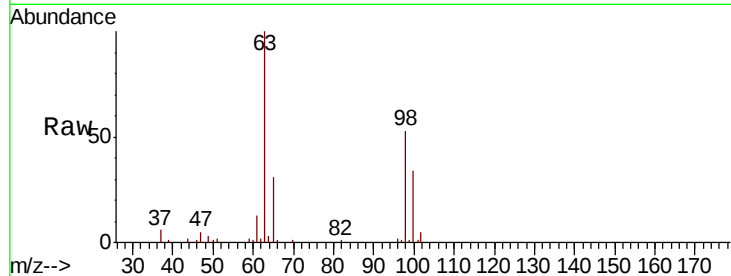




#12
 1,1-Dichloroethene
 Concen: 0.098 ug/L
 RT: 2.58 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VU039407.D
 Acq: 09 Jul 2020 19:52

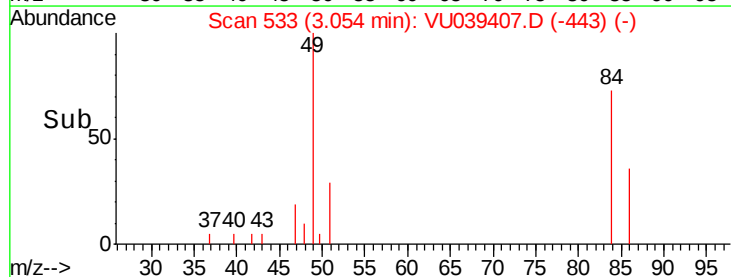
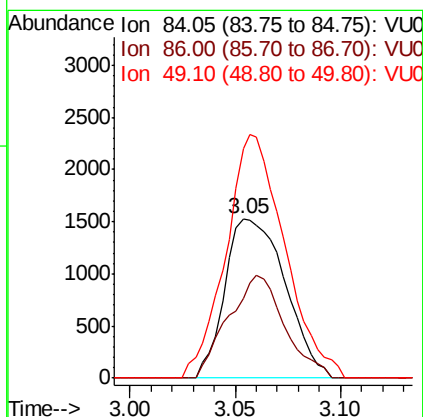
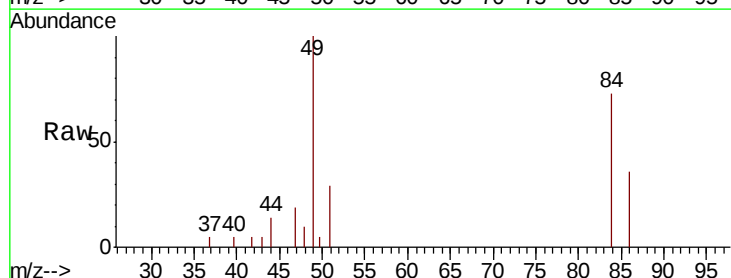
Instrument :
 MSVOA_U
 ClientSampleID :
 H4310DL

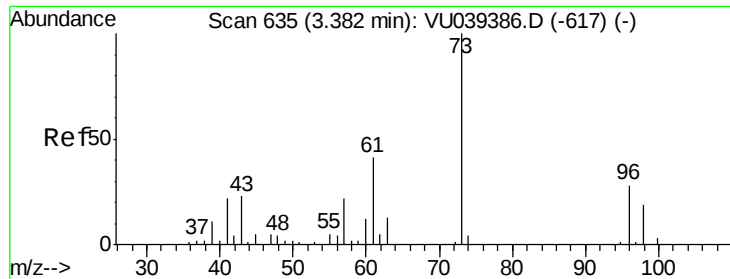
Tot Ion: 96 Resp: 585
 Ion Ratio Lower Upper
 96 100
 61 766.3 125.4 232.8#
 63 5910.9 92.7 172.3#



#16
 Methylene chloride
 Concen: 0.405 ug/L
 RT: 3.05 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VU039407.D
 Acq: 09 Jul 2020 19:52

Tgt Ion: 84 Resp: 3034
 Ion Ratio Lower Upper
 84 100
 86 49.7 43.5 80.9
 49 143.4 91.1 169.1

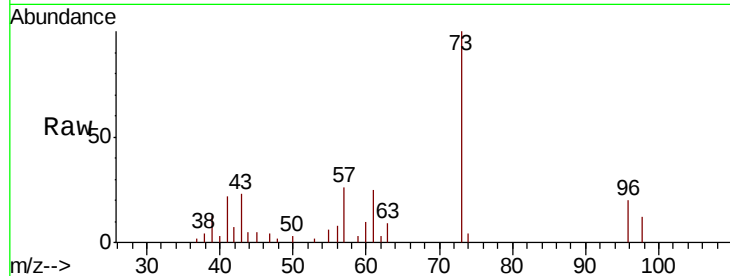




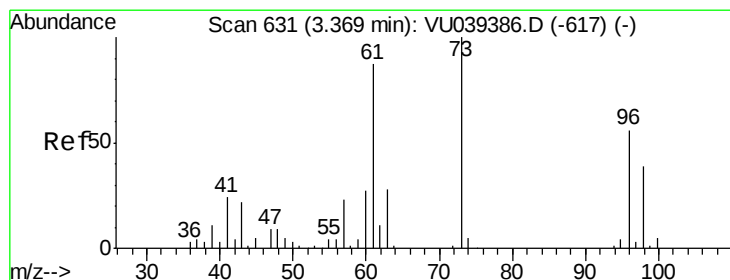
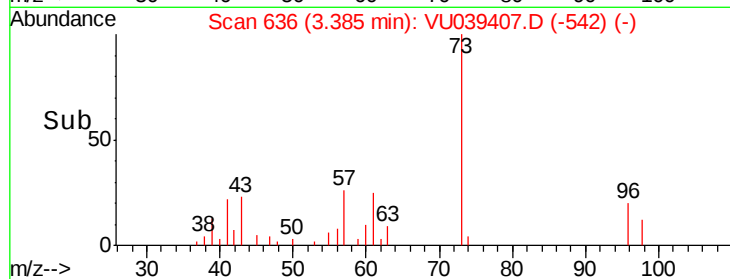
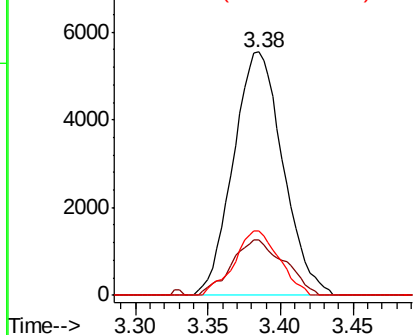
#17
Methvl tert-butvl Ether
Concen: 0.706 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039407.D
Acq: 09 Jul 2020 19:52

Instrument :
MSVOA_U
ClientSampleId :
H4310DL

Tot Ion: 73 Resp: 13255
Ion Ratio Lower Upper
73 100
43 24.2 18.6 28.0
57 23.9 17.9 26.9

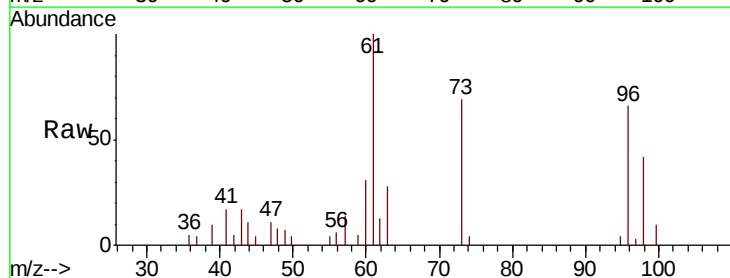


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

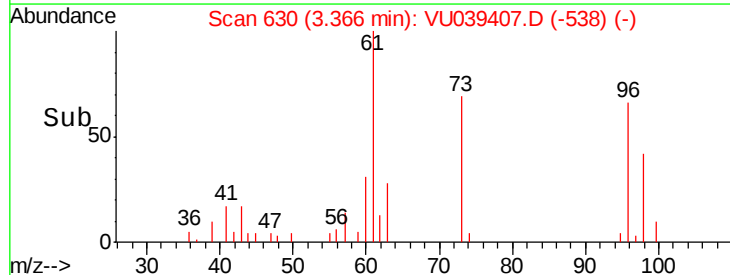
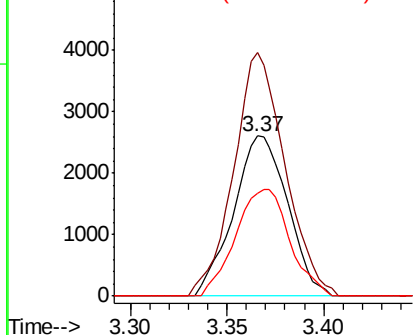


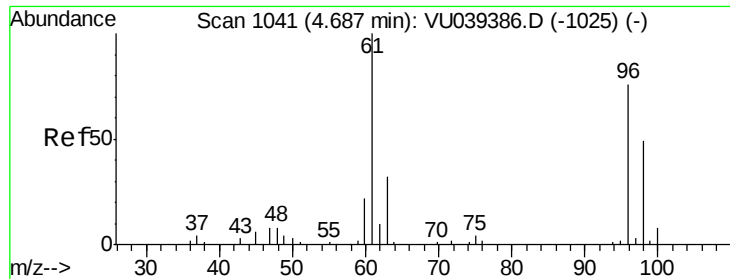
#18
trans-1,2-Dichloroethene
Concen: 0.768 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU039407.D
Acq: 09 Jul 2020 19:52

Tgt Ion: 96 Resp: 5069
Ion Ratio Lower Upper
96 100
61 152.1 102.1 189.5
98 64.0 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

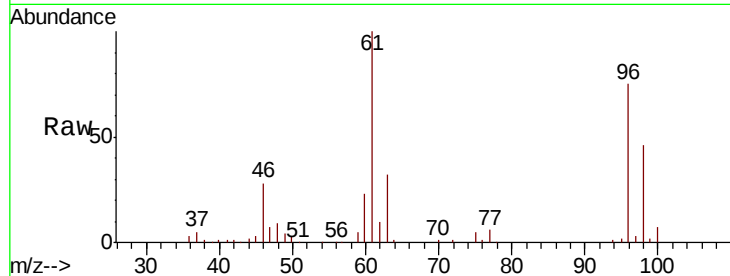




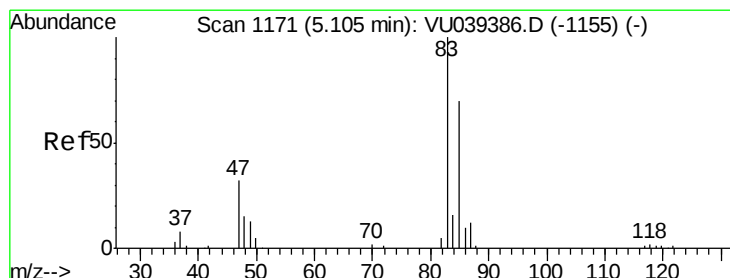
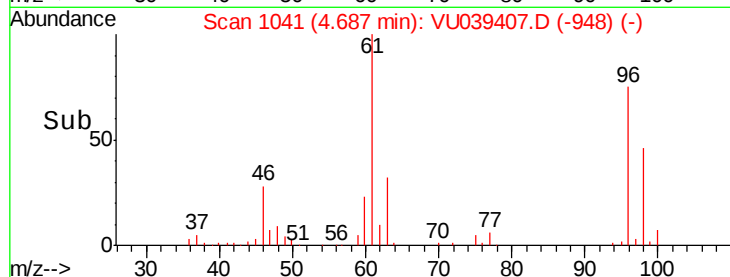
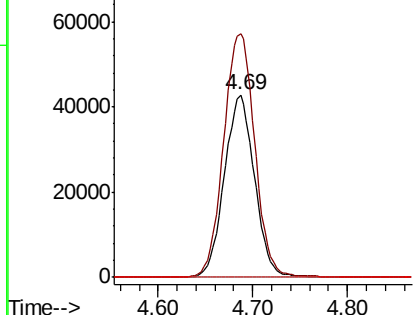
#22
 cis-1,2-Dichloroethene
 Concen: 12.831 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039407.D
 Acq: 09 Jul 2020 19:52

Instrument :
 MSVOA_U
 ClientSampleId :
 H4310DL

Tot Ion: 96 Resp: 94900
 Ion Ratio Lower Upper
 96 100
 61 133.5 92.8 172.4
 68 0.0 0.0 0.0

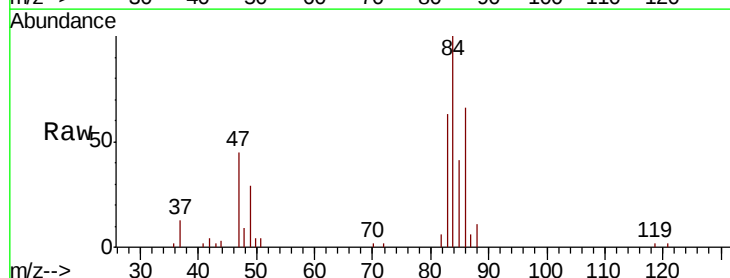


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

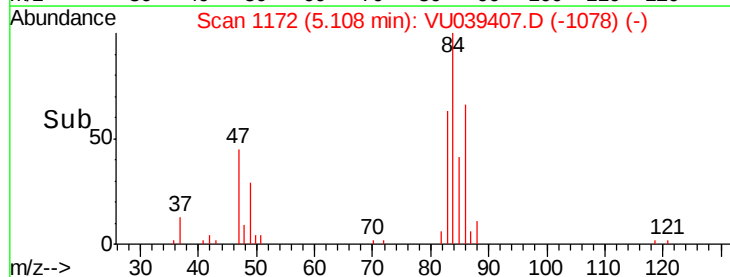
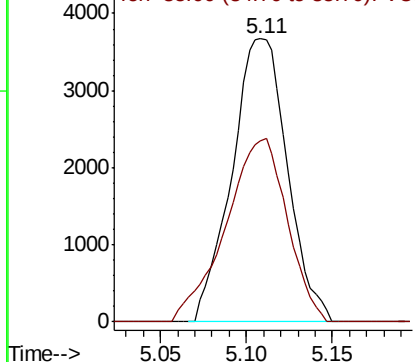


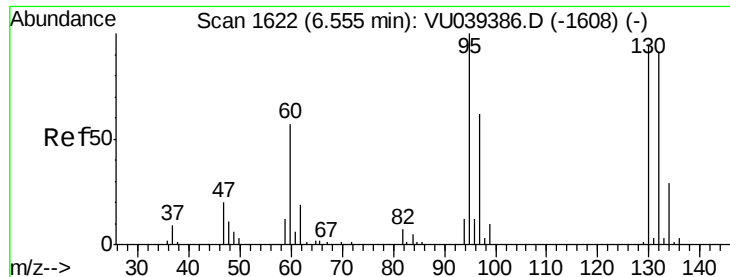
#25
 Chloroform
 Concen: 0.634 ug/L
 RT: 5.11 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU039407.D
 Acq: 09 Jul 2020 19:52

Tgt Ion: 83 Resp: 8257
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 0.555 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039407.D

Acq: 09 Jul 2020 19:52

Instrument :

MSVOA_U

ClientSampleId :

H4310DL

Tot Ion: 95 Resp: 3964

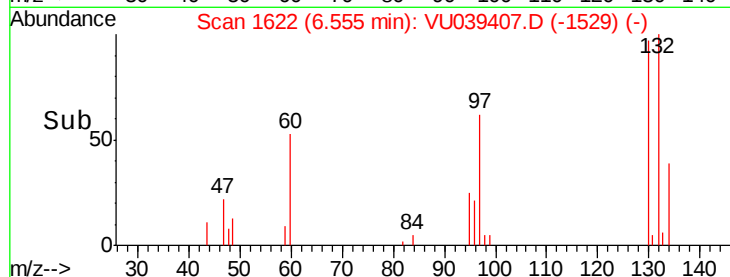
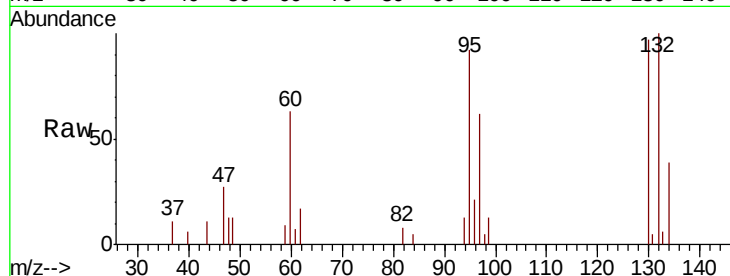
Ion Ratio Lower Upper

95 100

97 67.2 46.3 85.9

132 108.2 64.0 118.8

130 105.5 64.3 119.5

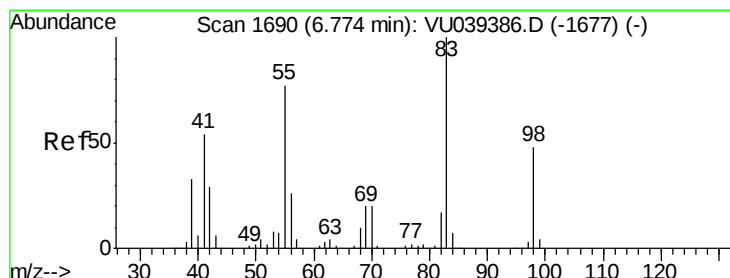
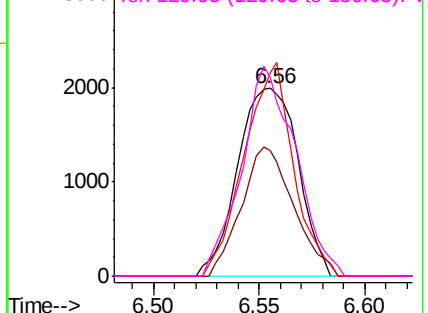


Abundance Ion 95.00 (94.70 to 95.70): VU039407.D (-1529) (-)

Ion 96.95 (96.65 to 97.65): VU039407.D (-1529) (-)

Ion 131.95 (131.65 to 132.65): VU039407.D (-1529) (-)

Ion 129.95 (129.65 to 130.65): VU039407.D (-1529) (-)



#35

Methylcyclohexane

Concen: 0.838 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU039407.D

Acq: 09 Jul 2020 19:52

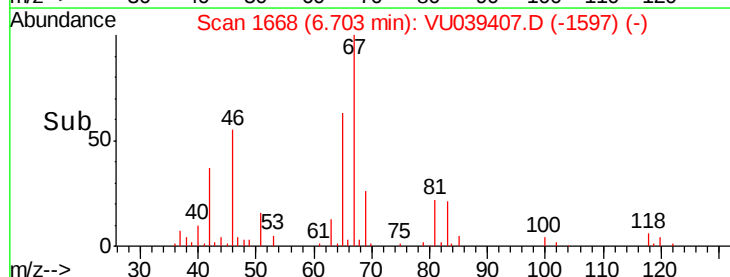
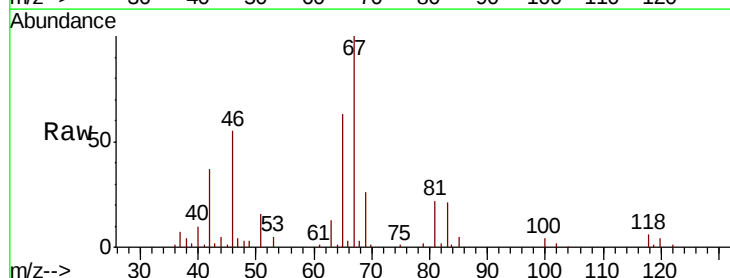
Tgt Ion: 83 Resp: 9600

Ion Ratio Lower Upper

83 100

55 0.0 62.1 93.1#

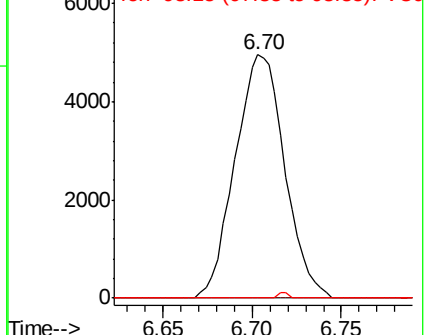
98 0.4 35.9 53.9#

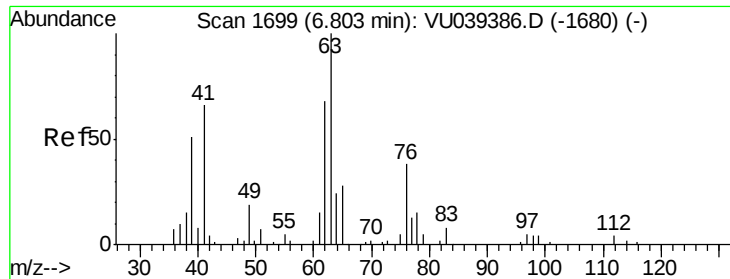


Abundance Ion 83.15 (82.85 to 83.85): VU039407.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU039407.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU039407.D (-1597) (-)

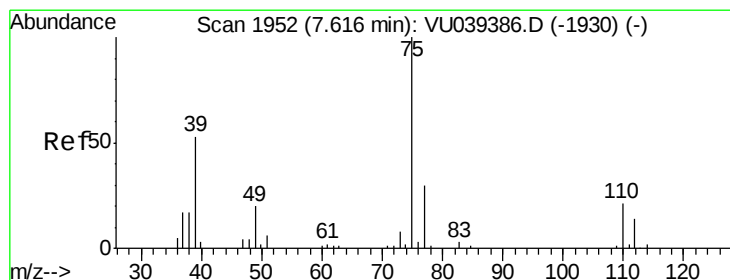
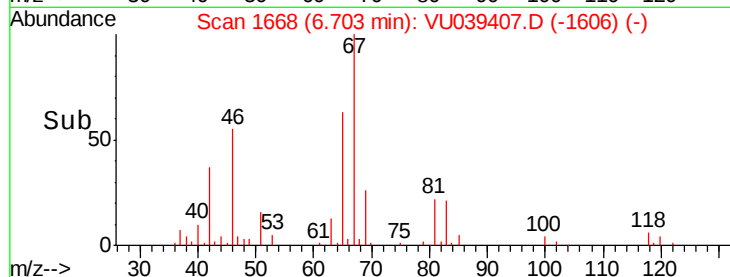
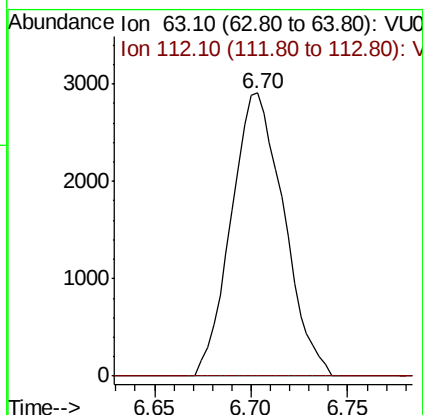
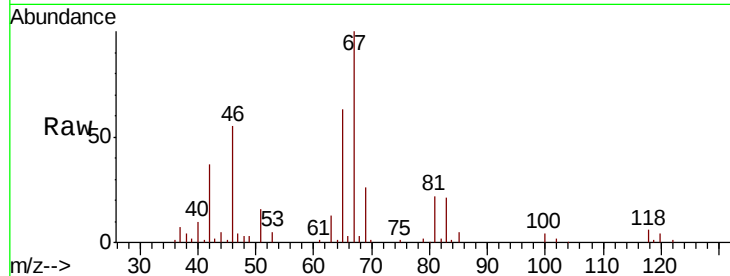




#37
 1,2-Dichloropropane
 Concen: 0.728 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU039407.D
 Acq: 09 Jul 2020 19:52

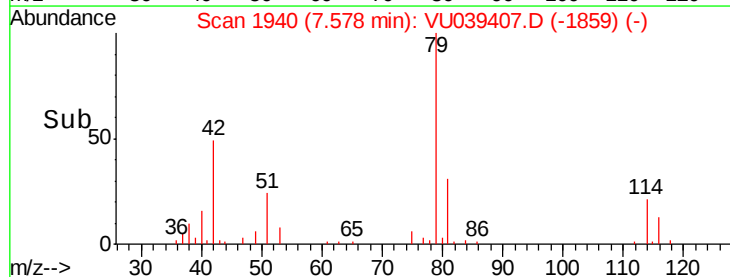
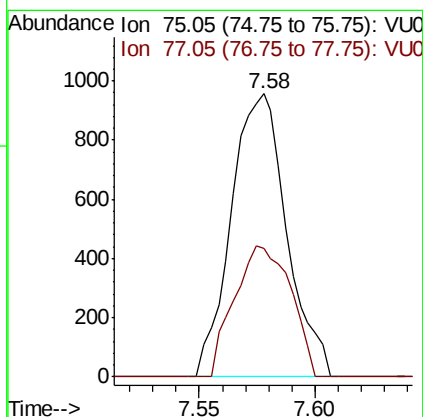
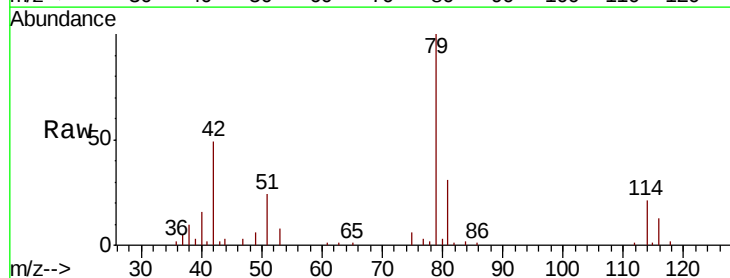
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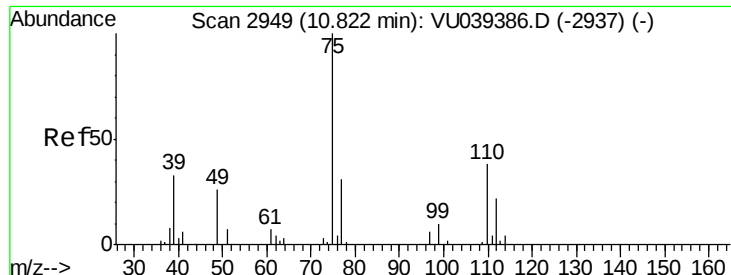
Tot Ion: 63 Resp: 5484
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.140 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039407.D
 Acq: 09 Jul 2020 19:52

Tgt Ion: 75 Resp: 1590
 Ion Ratio Lower Upper
 75 100
 77 45.5 22.3 41.3#





#59

1,2,3-Trichloropropane

Concen: 1.318 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039407.D

Acq: 09 Jul 2020 19:52

Instrument :

MSVOA_U

ClientSampleId :

H4310DL

Tot Ion: 75 Resp: 7319

Ion Ratio Lower Upper

75 100

77 36.7 26.8 40.2

