

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070720\
 Data File : VU039323.D
 Acq On : 07 Jul 2020 18:47
 Operator : SY/MD
 Sample : L3193-05RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4285

Quant Time: Jul 08 01:47:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 08 01:44:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	106524	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	102036	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47505	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	38187	6.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.80%
7) Chloroethane-d5	1.93	69	36599	5.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.80%
11) 1,1-Dichloroethene-d2	2.58	63	58301	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	4.66	46	181880	64.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.76%
24) Chloroform-d	5.09	84	78006	5.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.60%
26) 1,2-Dichloroethane-d4	5.72	65	50940	6.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.40%
32) Benzene-d6	5.75	84	159109	6.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	129.60%#
36) 1,2-Dichloropropane-d6	6.71	67	54683	6.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	126.80%
41) Toluene-d8	7.91	98	141331	6.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	132.80%#
43) trans-1,3-Dichloropropene-	8.19	79	22877	6.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	120.00%
46) 2-Hexanone-d5	8.64	63	138299	61.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.36%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	49310	5.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	54130	6.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	127.60%#

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	810	0.104 ug/L	92
5) Vinyl chloride	1.61	62	46268	5.327 ug/L	90
8) Chloroethane	1.94	64	1562	0.249 ug/L #	55
12) 1,1-Dichloroethene	2.59	96	2877	0.454 ug/L #	1
17) Methyl tert-butyl Ether	3.39	73	419808	21.030 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	20413	2.911 ug/L	97
19) 1,1-Dichloroethane	3.89	63	17587	1.282 ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	553900	70.433 ug/L	95
25) Chloroform	5.11	83	2589	0.187 ug/L	95
33) Benzene	5.79	78	10661	0.349 ug/L	100
34) Trichloroethene	6.56	95	1029845	130.581 ug/L	98
35) Methylcyclohexane	6.71	83	11951	0.946 ug/L #	18
37) 1,2-Dichloropropane	6.71	63	6387	0.768 ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1947	0.155 ug/L #	68
44) trans-1,3-Dichloropropene	8.19	75	1376	0.123 ug/L	92
47) Tetrachloroethene	8.56	164	23325	4.252 ug/L	98
49) Dibromochloromethane	8.56	129	22482	3.107 ug/L #	10

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 08 01:44:57 2020
Response via : Initial Calibration

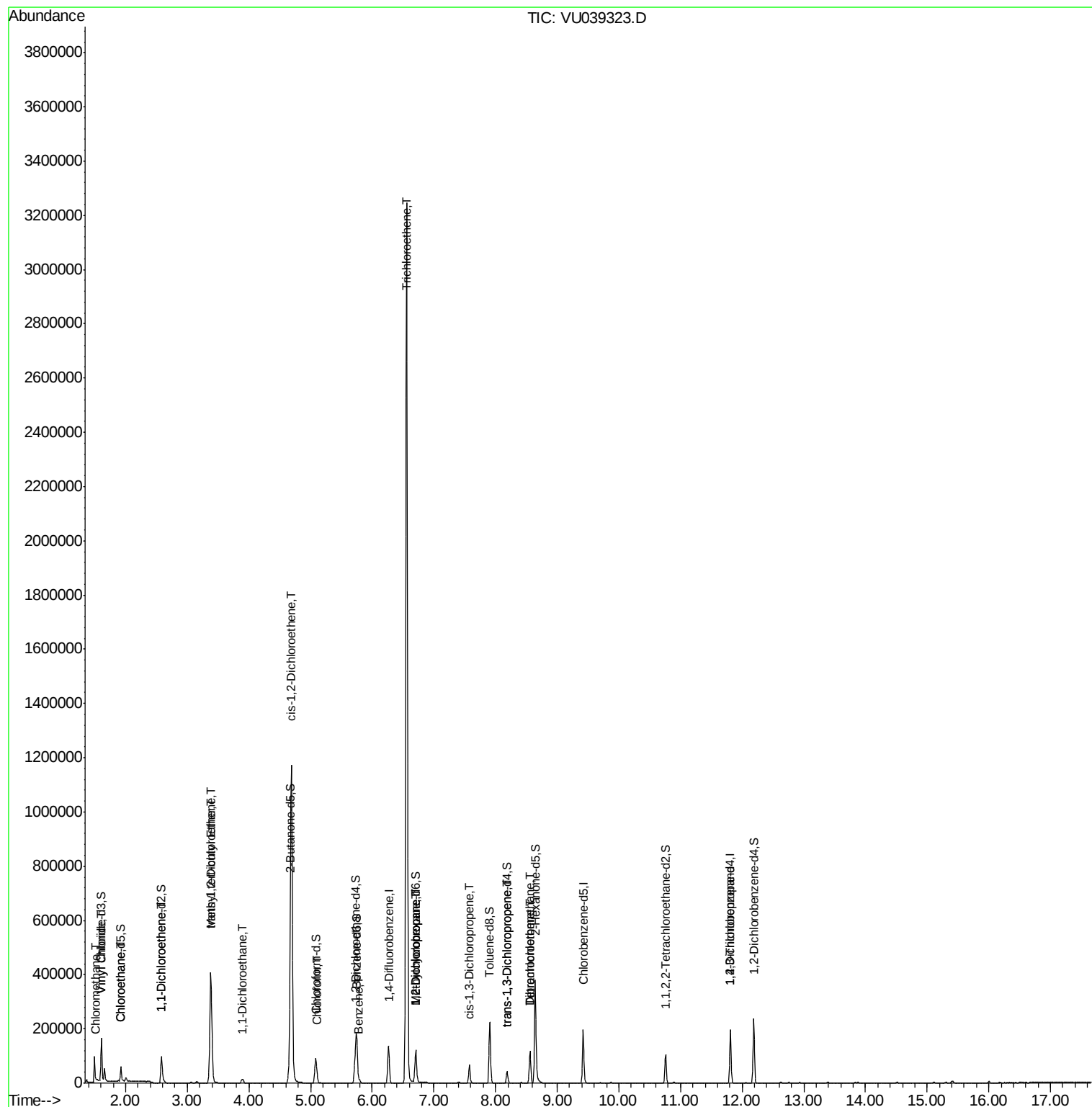
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
59) 1,2,3-Trichloropropane	11.81	75	6879	1.122	ug/L #	86
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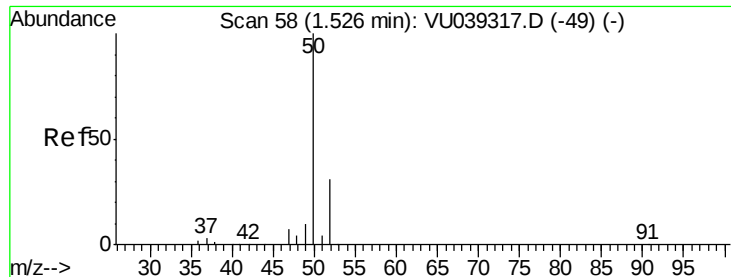
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.104 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU039323.D

Acq: 07 Jul 2020 18:47

Instrument :

MSVOA_U

ClientSampleId :

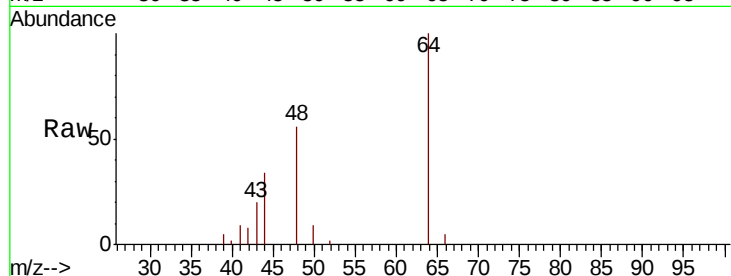
H4285

Tot Ion: 50 Resp: 810

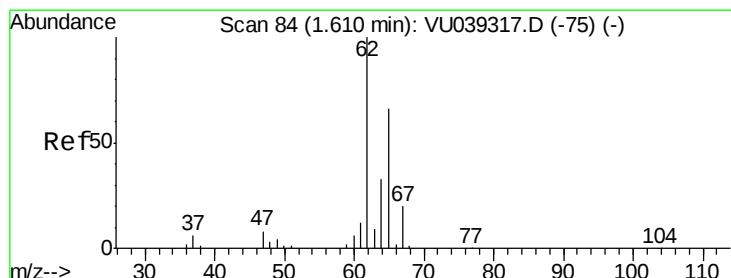
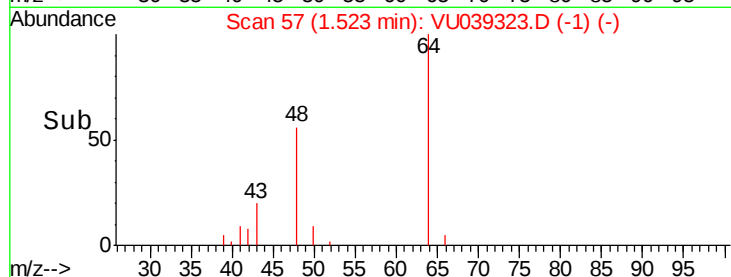
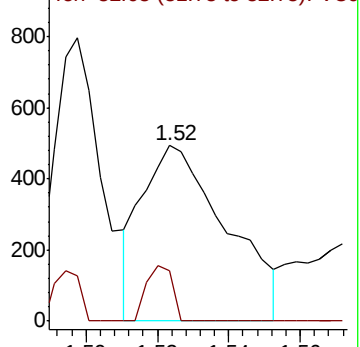
Ion Ratio Lower Upper

50 100

52 28.5 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039323.D (-1) (-)



#5

Vinyl chloride

Concen: 5.327 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039323.D

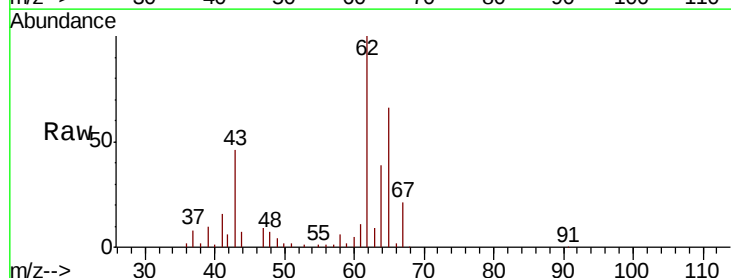
Acq: 07 Jul 2020 18:47

Tgt Ion: 62 Resp: 46268

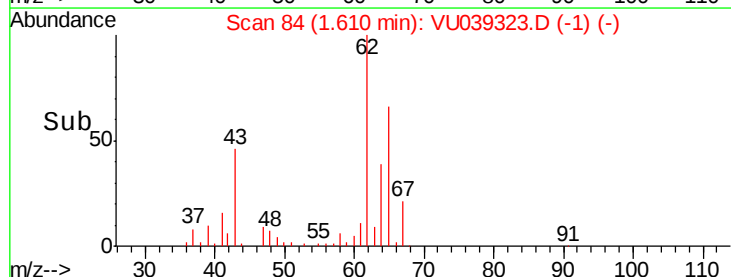
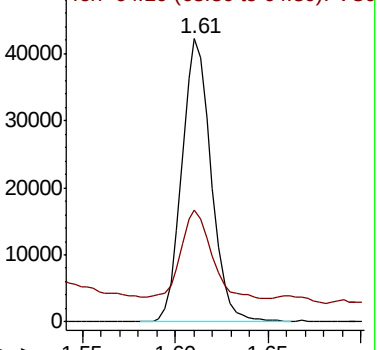
Ion Ratio Lower Upper

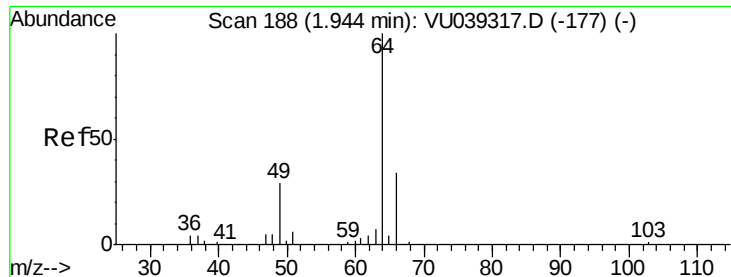
62 100

64 39.5 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU039323.D (-1) (-)





#8

Chloroethane

Concen: 0.249 ug/L

RT: 1.94 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU039323.D

Acq: 07 Jul 2020 18:47

Instrument :

MSVOA_U

ClientSampleId :

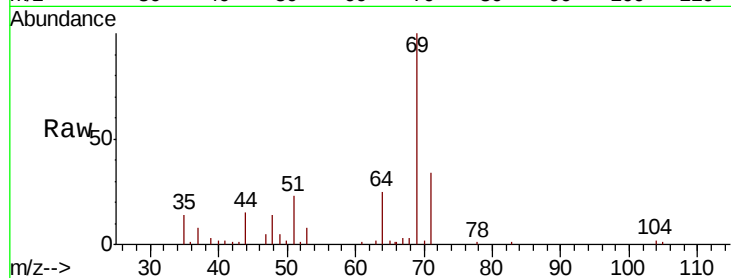
H4285

Tot Ion: 64 Resp: 1562

Ion Ratio Lower Upper

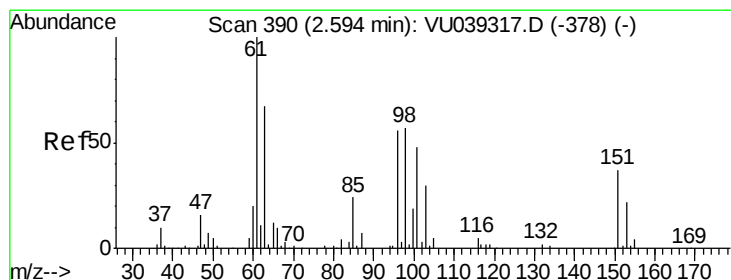
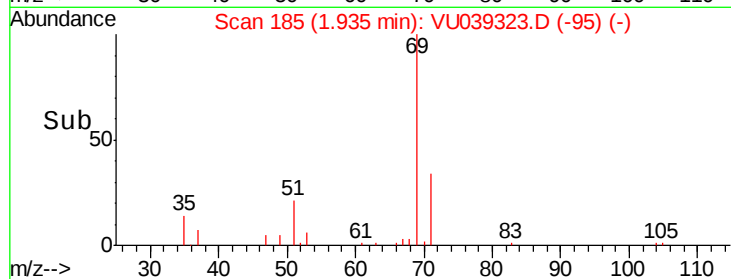
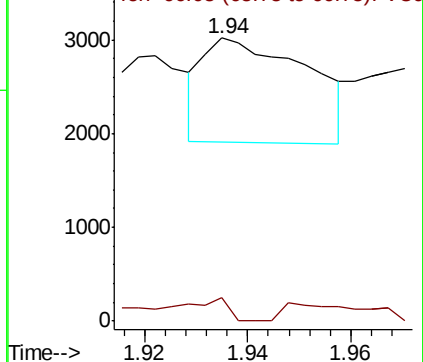
64 100

66 8.2 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#12

1,1-Dichloroethene

Concen: 0.454 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039323.D

Acq: 07 Jul 2020 18:47

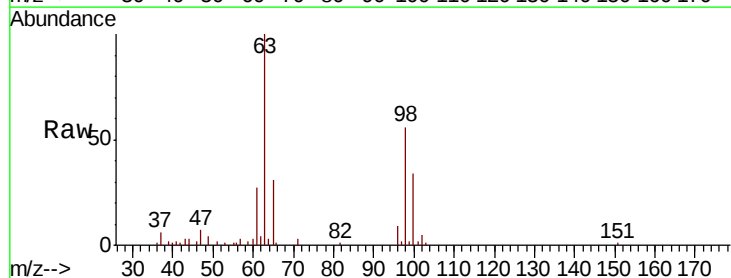
Tgt Ion: 96 Resp: 2877

Ion Ratio Lower Upper

96 100

61 305.3 125.4 232.8#

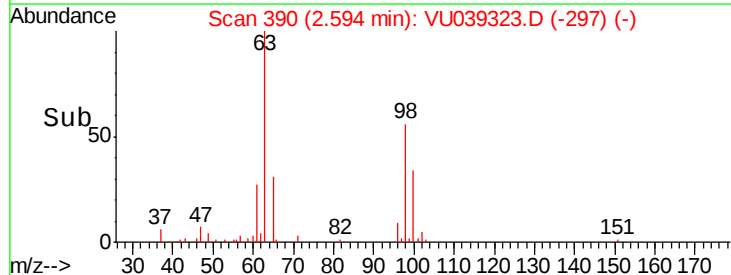
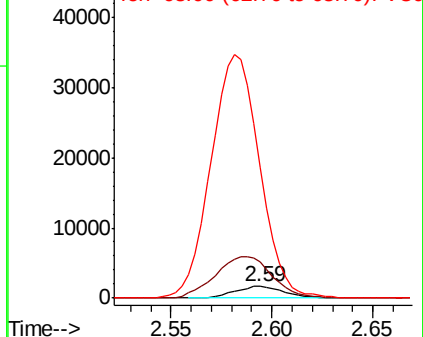
63 1122.2 92.7 172.3#

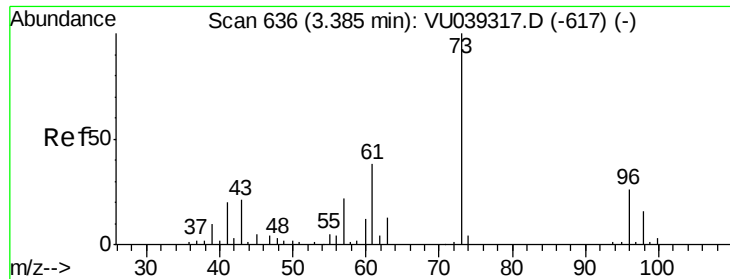


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

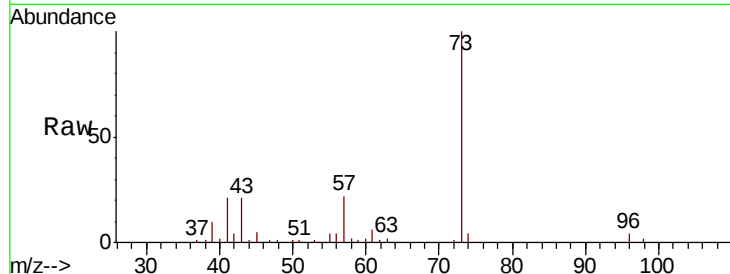




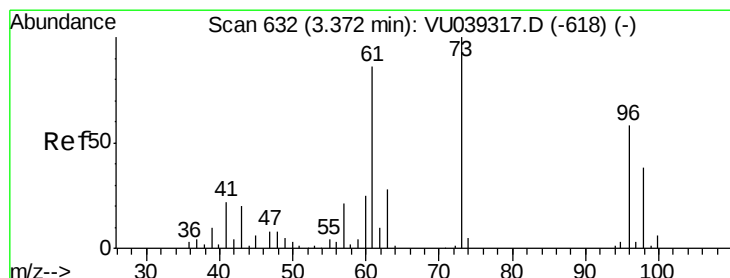
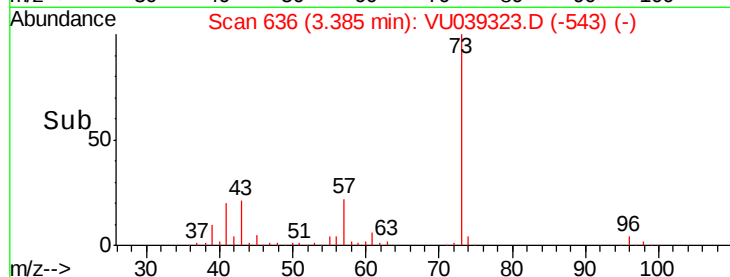
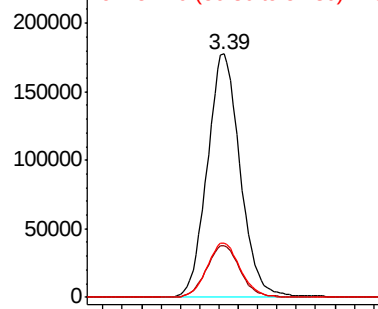
#17
Methvl tert-butvl Ether
Concen: 21.030 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039323.D
Acq: 07 Jul 2020 18:47

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Tot Ion: 73 Resp: 419808
Ion Ratio Lower Upper
73 100
43 21.9 18.6 28.0
57 22.7 17.9 26.9

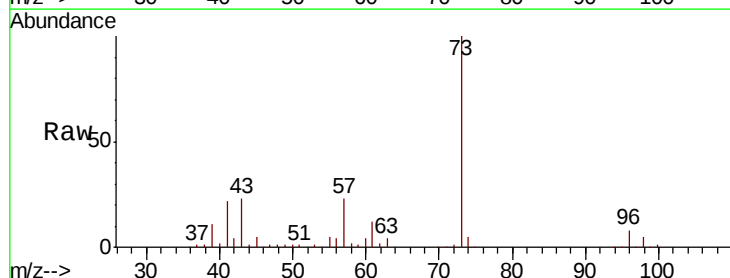


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

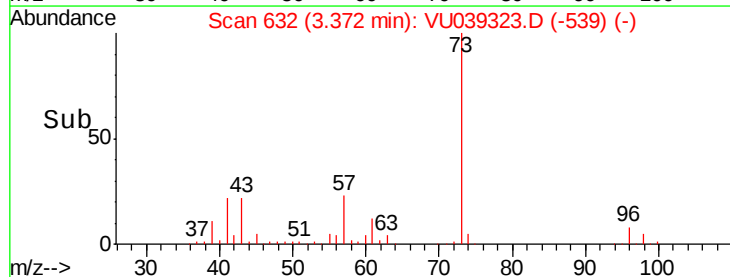
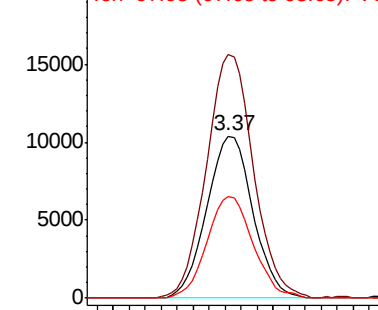


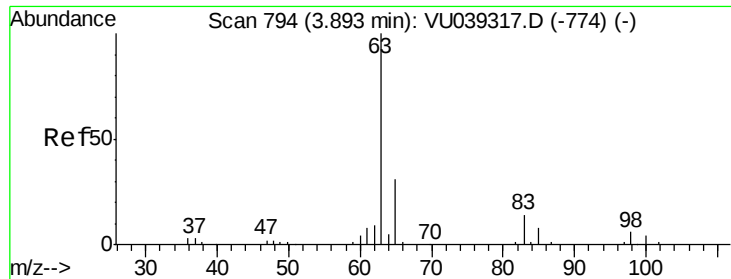
#18
trans-1,2-Dichloroethene
Concen: 2.911 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039323.D
Acq: 07 Jul 2020 18:47

Tgt Ion: 96 Resp: 20413
Ion Ratio Lower Upper
96 100
61 150.5 102.1 189.5
98 62.6 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

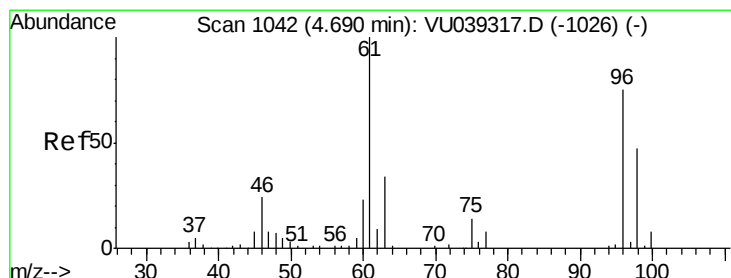
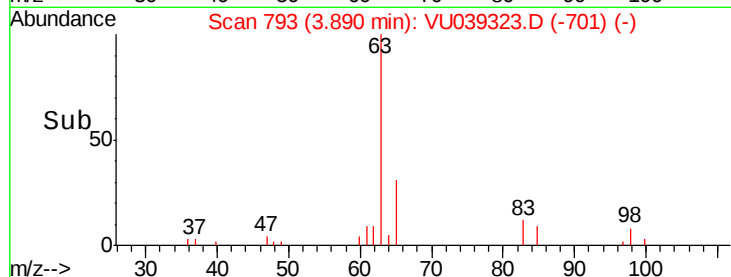
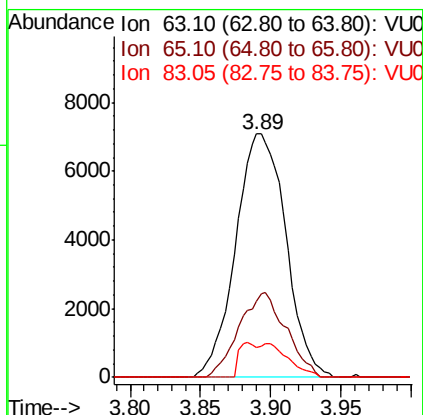
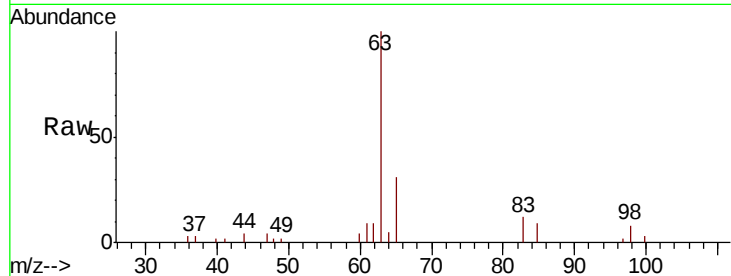




#19
 1,1-Dichloroethane
 Concen: 1.282 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU039323.D
 Acq: 07 Jul 2020 18:47

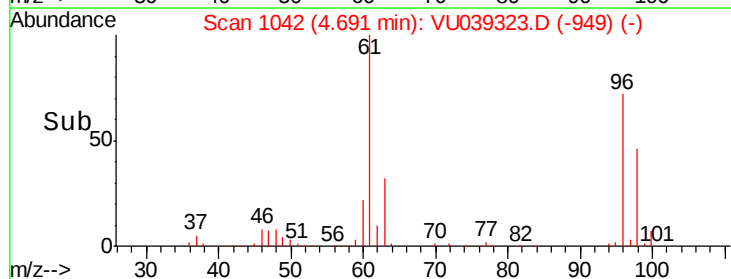
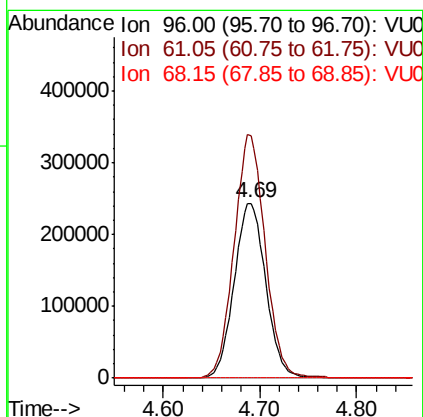
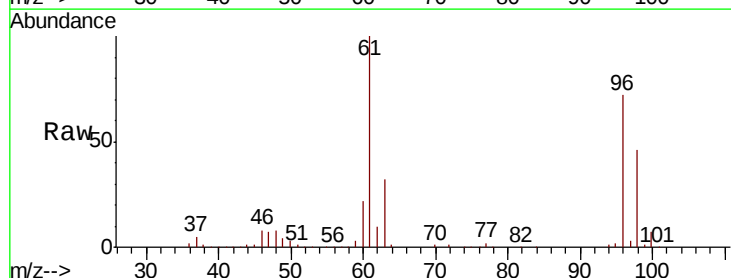
Instrument :
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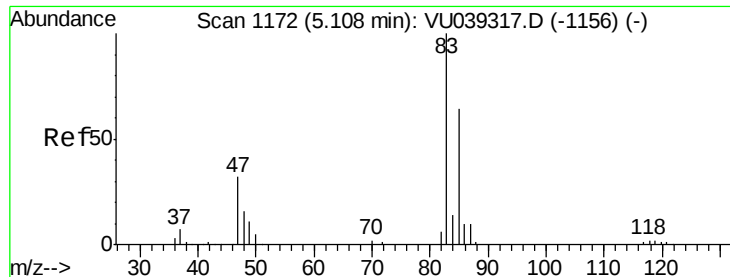
Tot Ion: 63 Resp: 17587
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.0 42.6
 83 12.5 9.6 17.8



#22
 cis-1,2-Dichloroethene
 Concen: 70.433 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VU039323.D
 Acq: 07 Jul 2020 18:47

Tgt Ion: 96 Resp: 553900
 Ion Ratio Lower Upper
 96 100
 61 138.7 92.8 172.4
 68 0.0 0.0 0.0

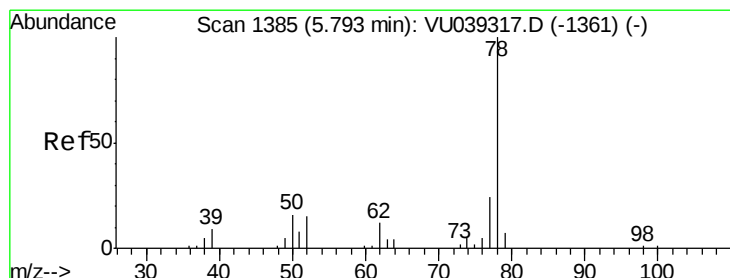
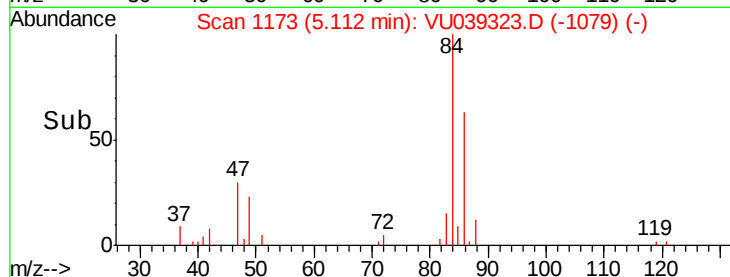
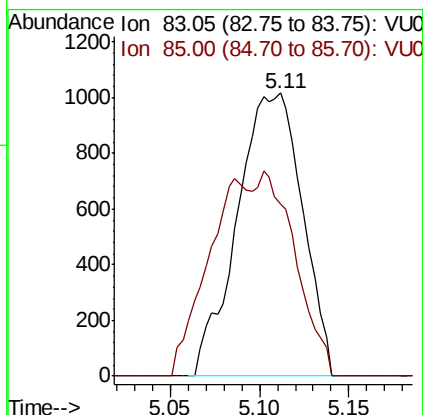
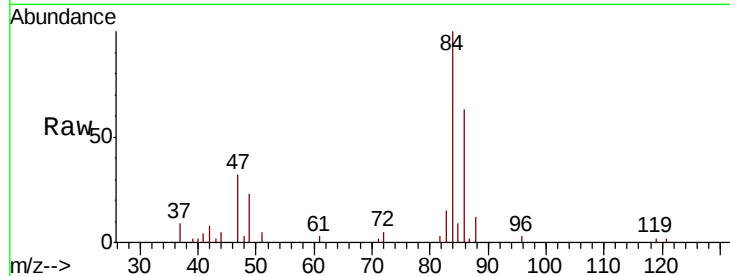




#25
Chloroform
Concen: 0.187 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039323.D
Acq: 07 Jul 2020 18:47

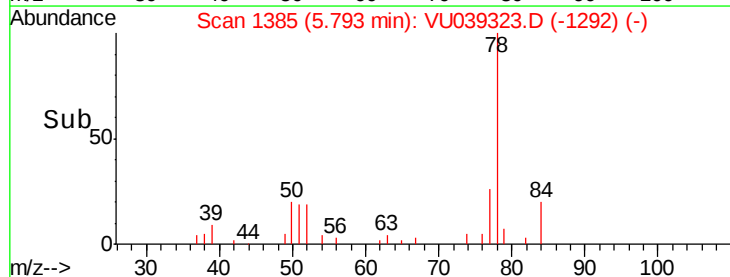
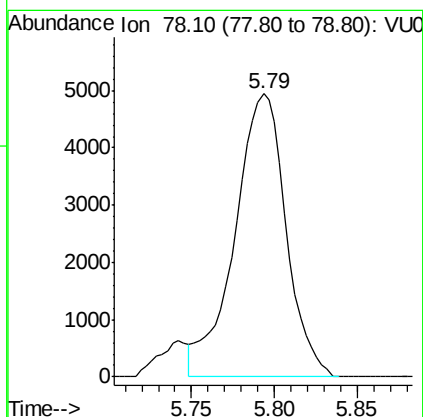
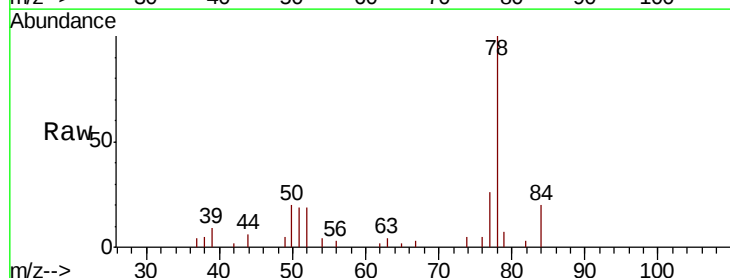
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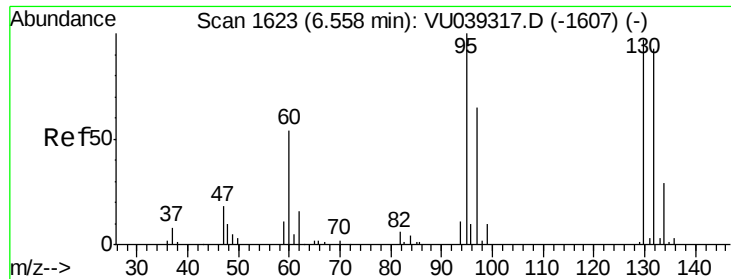
Tot Ion: 83 Resp: 2589
Ion Ratio Lower Upper
83 100
85 60.6 44.9 83.5



#33
Benzene
Concen: 0.349 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039323.D
Acq: 07 Jul 2020 18:47

Tgt Ion: 78 Resp: 10661

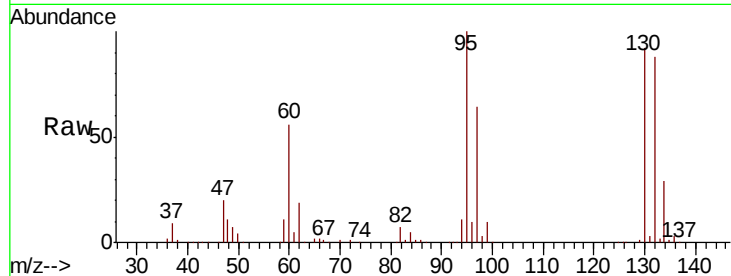




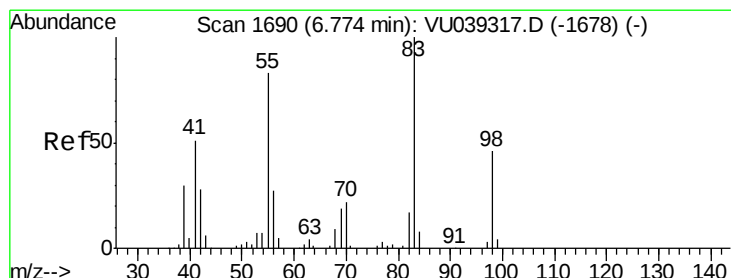
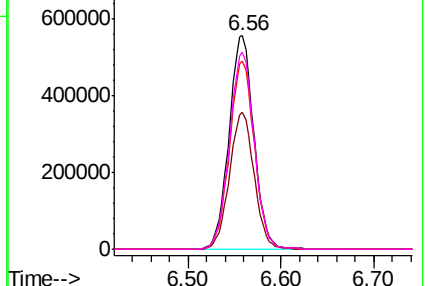
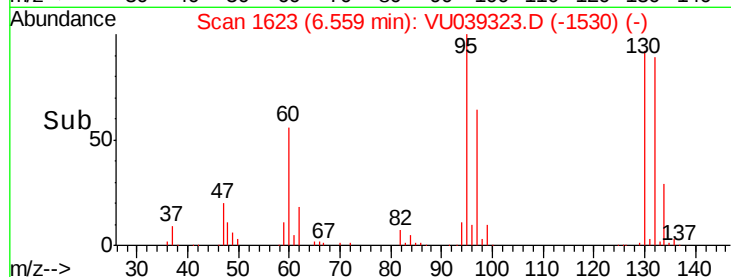
#34
 Trichloroethene
 Concen: 130.581 ug/L
 RT: 6.56 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: VU039323.D
 Acq: 07 Jul 2020 18:47

Instrument :
 MSVOA_U
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 H4285

Tot Ion: 95 Resp: 1029845
 Ion Ratio Lower Upper
 95 100
 97 64.0 46.3 85.9
 132 88.4 64.0 118.8
 130 92.1 64.3 119.5

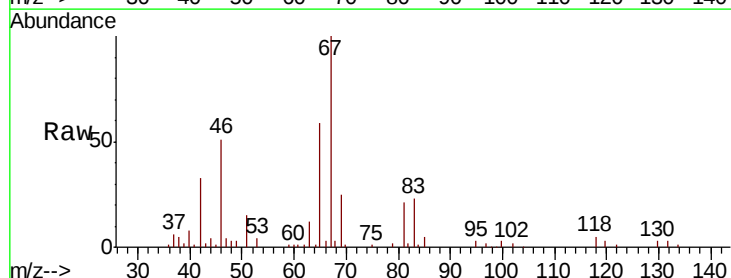


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

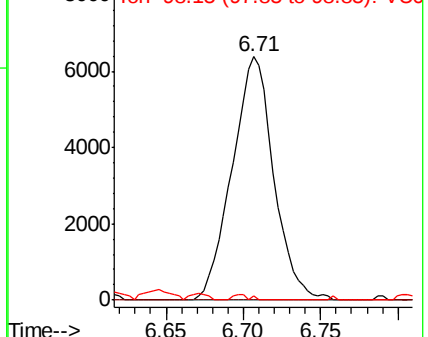
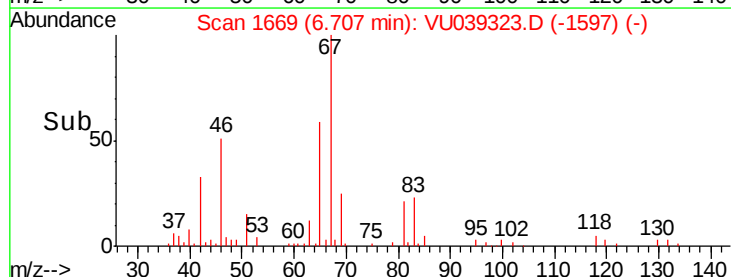


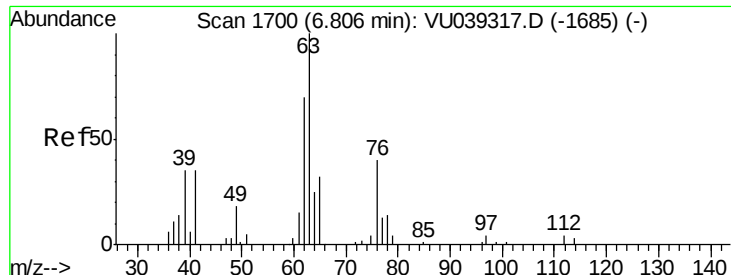
#35
 Methylcyclohexane
 Concen: 0.946 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.07 min
 Lab File: VU039323.D
 Acq: 07 Jul 2020 18:47

Tgt Ion: 83 Resp: 11951
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.1 93.1#
 98 0.0 35.9 53.9#



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

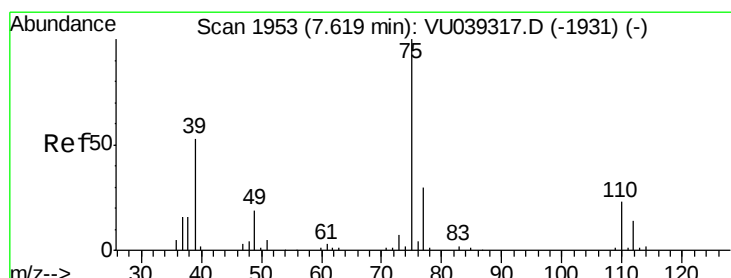
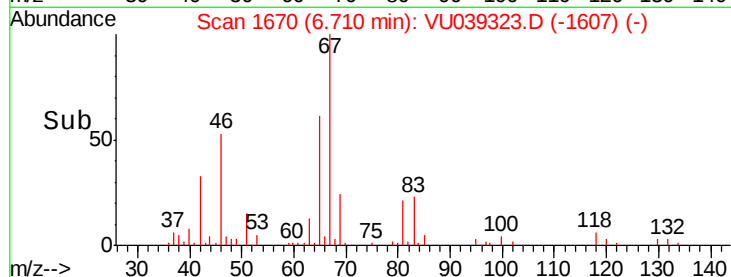
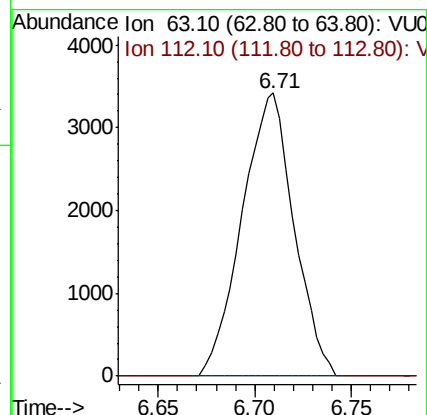
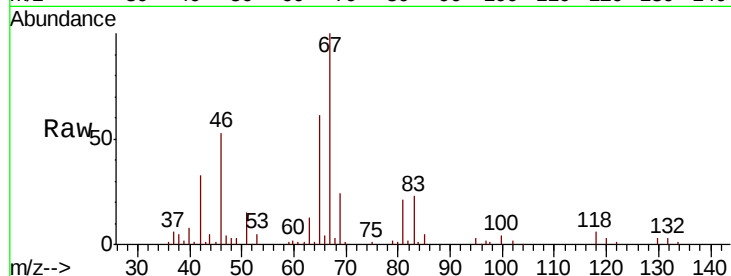




#37
 1,2-Dichloropropane
 Concen: 0.768 ug/L
 RT: 6.71 min Scan# 1670
 Delta R.T. -0.10 min
 Lab File: VU039323.D
 Acq: 07 Jul 2020 18:47

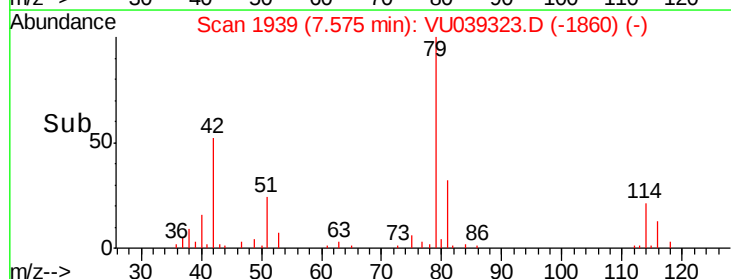
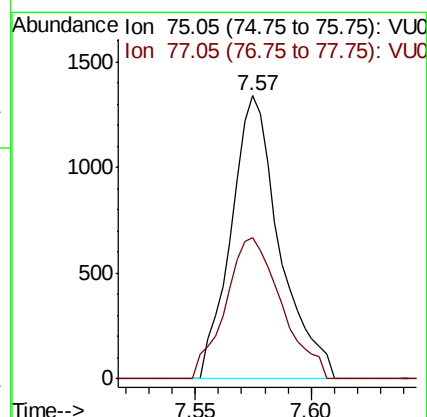
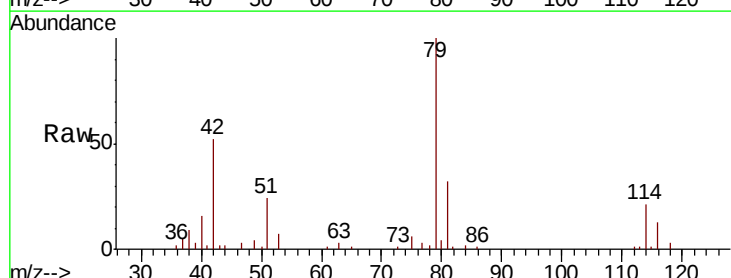
Instrument :
 MSVOA_U
 ClientSampleId :
 H4285

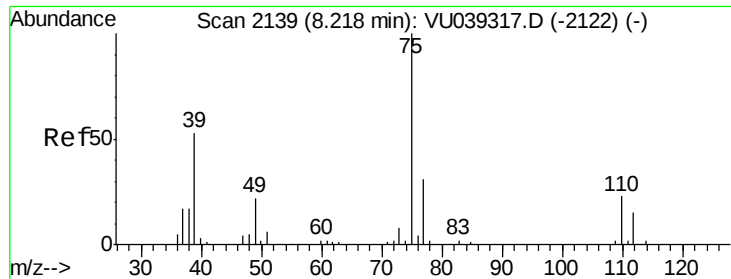
Tot Ion: 63 Resp: 6387
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.155 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039323.D
 Acq: 07 Jul 2020 18:47

Tgt Ion: 75 Resp: 1947
 Ion Ratio Lower Upper
 75 100
 77 49.8 22.3 41.3#

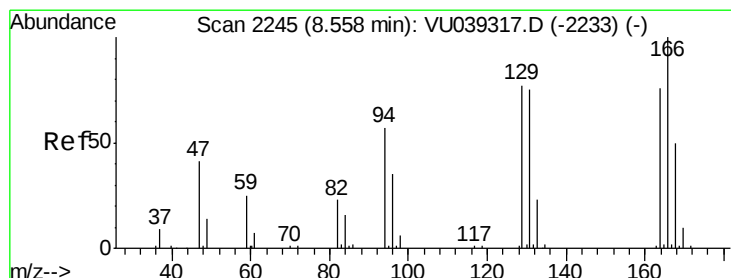
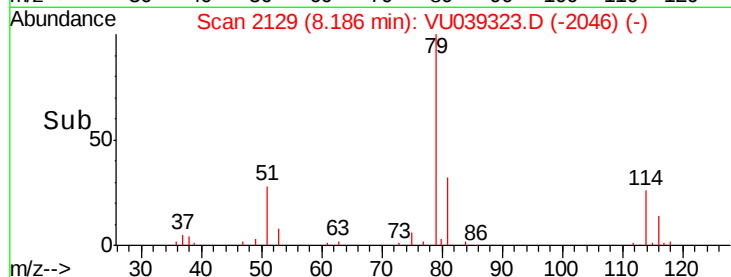
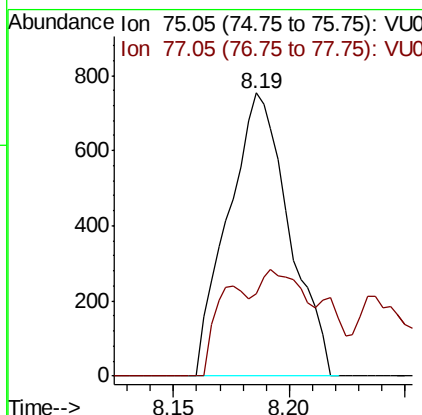
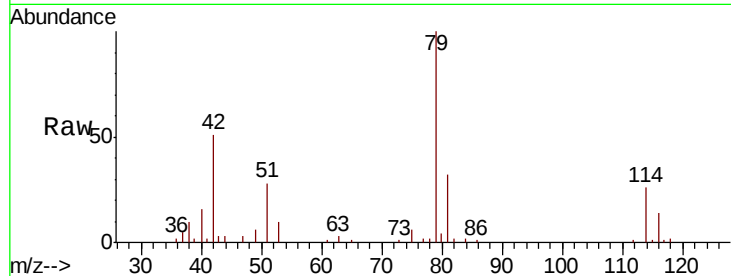




#44
trans-1,3-Dichloropropene
Concen: 0.123 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU039323.D
Acq: 07 Jul 2020 18:47

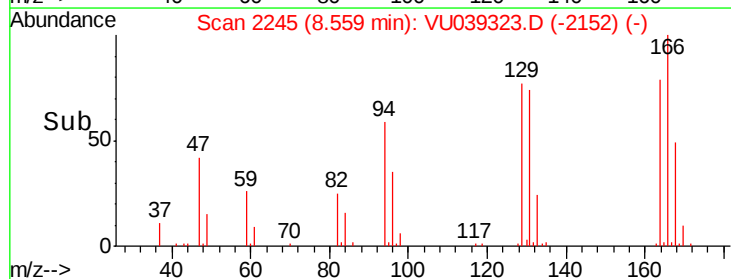
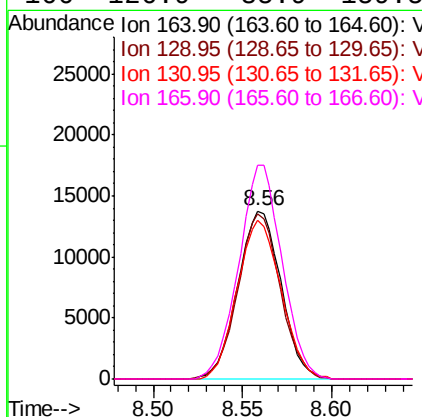
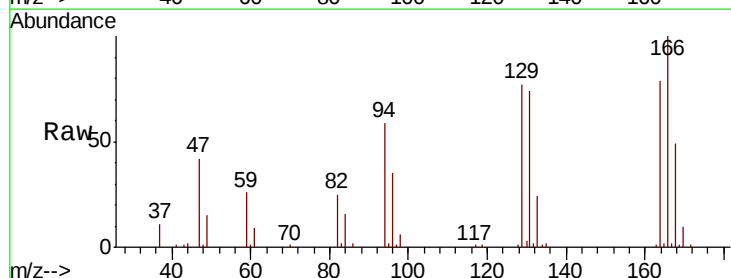
Instrument :
MSVOA_U
ClientSampleId :
H4285

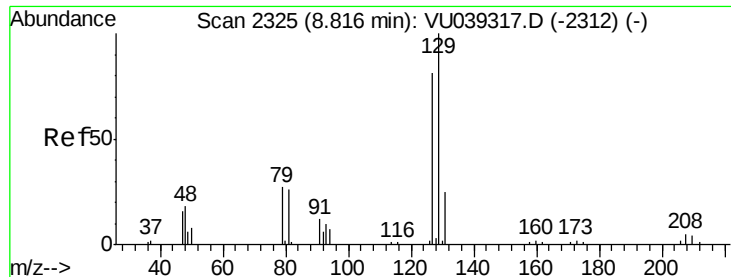
Tot Ion: 75 Resp: 1376
Ion Ratio Lower Upper
75 100
77 29.2 23.7 43.9



#47
Tetrachloroethene
Concen: 4.252 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU039323.D
Acq: 07 Jul 2020 18:47

Tgt Ion:164 Resp: 23325
Ion Ratio Lower Upper
164 100
129 97.8 68.6 127.4
131 94.3 66.4 123.4
166 126.9 85.9 159.5





#49

Dibromochloromethane

Concen: 3.107 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039323.D

Acq: 07 Jul 2020 18:47

Instrument :

MSVOA_U

ClientSampleId :

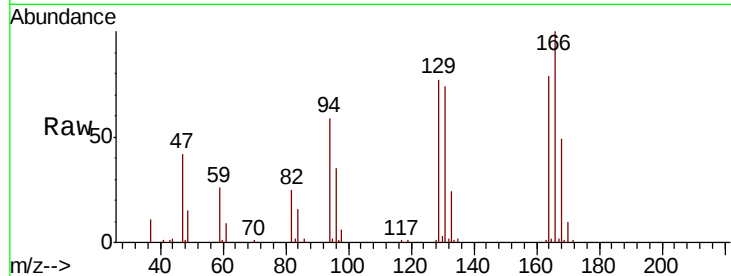
H4285

Tot Ion:129 Resp: 22482

Ion Ratio Lower Upper

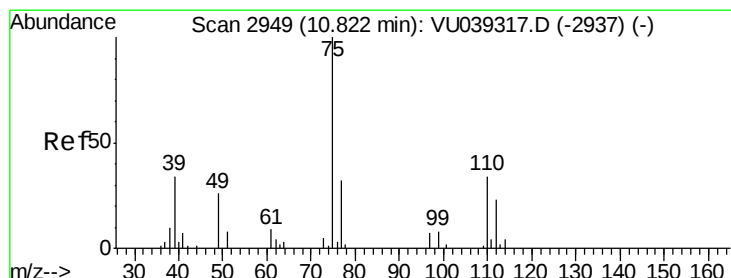
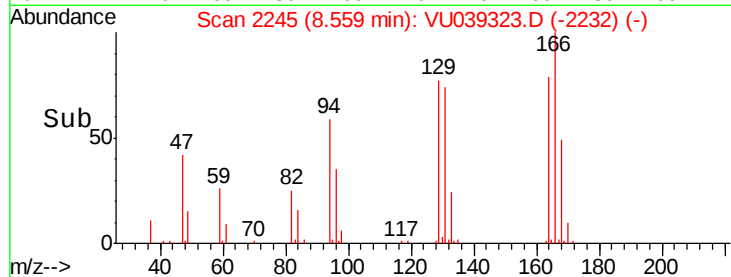
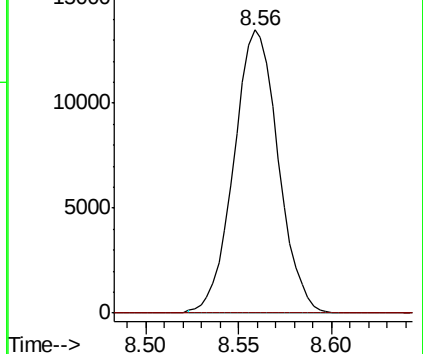
129 100

127 0.0 55.4 102.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.122 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039323.D

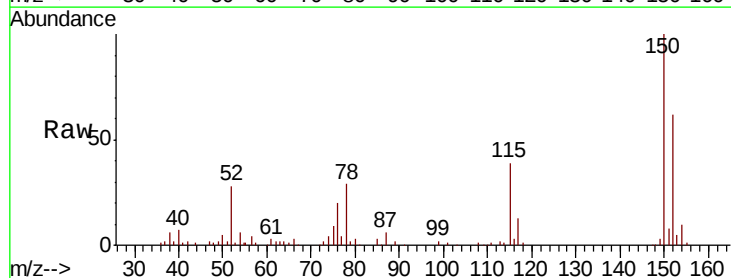
Acq: 07 Jul 2020 18:47

Tgt Ion: 75 Resp: 6879

Ion Ratio Lower Upper

75 100

77 41.8 26.8 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

