

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031320\
 Data File : VU037242.D
 Acq On : 13 Mar 2020 15:17
 Operator : JC/MD
 Sample : L1891-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 14 00:26:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 14 00:24:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	122085	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	121949	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	60403	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	39078	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	1.93	69	32747	5.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.60%
11) 1,1-Dichloroethene-d2	2.59	63	56555	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.40%
20) 2-Butanone-d5	4.68	46	101533	49.51	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.02%
24) Chloroform-d	5.10	84	73496	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.74	65	47954	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.76	84	140988	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.73	67	44847	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.92	98	129789	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	8.20	79	17862	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.66	63	79873	49.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.04%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	37672	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	54872	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

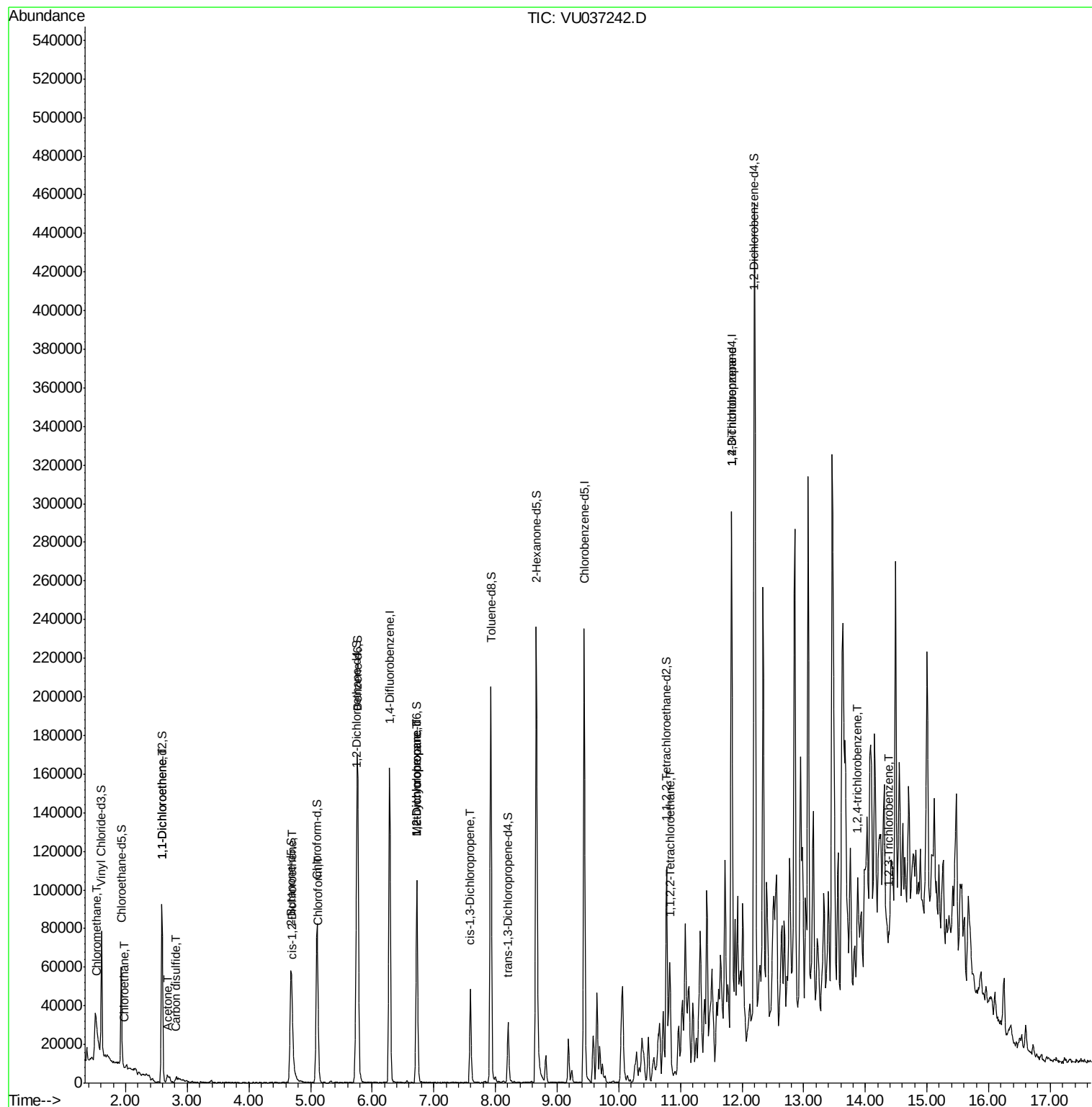
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	2037	0.152	ug/L #	79
8) Chloroethane	1.99	64	459	0.075	ug/L #	54
12) 1,1-Dichloroethene	2.59	96	497	0.062	ug/L #	1
13) Acetone	2.68	43	6114	3.638	ug/L	77
14) Carbon disulfide	2.82	76	3502	0.132	ug/L #	89
22) cis-1,2-Dichloroethene	4.71	96	1620	0.175	ug/L	100
25) Chloroform	5.13	83	4589	0.247	ug/L	99
35) Methylcyclohexane	6.72	83	11004	0.731	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	5902	0.622	ug/L #	88
39) cis-1,3-Dichloropropene	7.60	75	1440	0.106	ug/L #	49
58) 1,1,2,2-Tetrachloroethane	10.83	83	4258	0.504	ug/L #	35
59) 1,2,3-Trichloropropane	11.83	75	8490	1.251	ug/L #	78
68) 1,2,4-trichlorobenzene	13.87	180	794	0.086	ug/L #	80
70) 1,2,3-Trichlorobenzene	14.38	180	2024	0.235	ug/L #	22

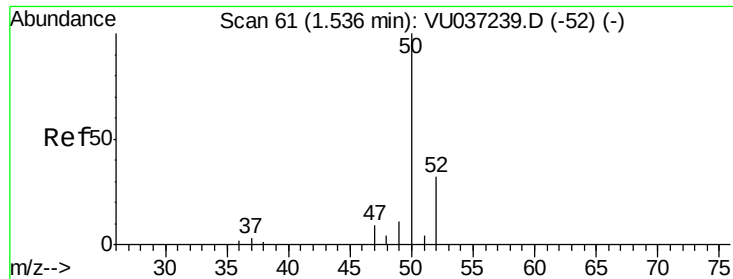
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 14 00:24:25 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.152 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037242.D

Acq: 13 Mar 2020 15:17

Instrument :

MSVOA_U

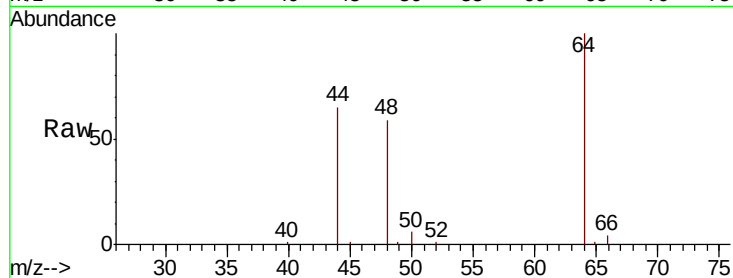
ClientSampleId :

Tot Ion: 50 Resp: 2037

Ion Ratio Lower Upper

50 100

52 21.2 23.3 43.3#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

800

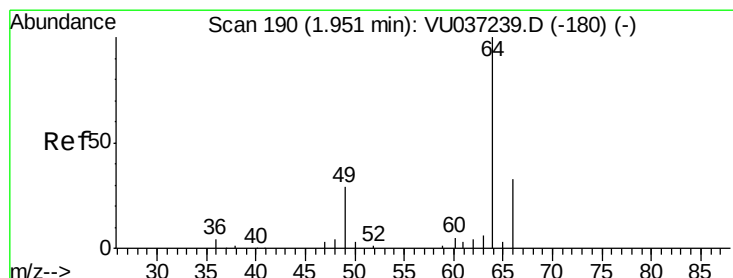
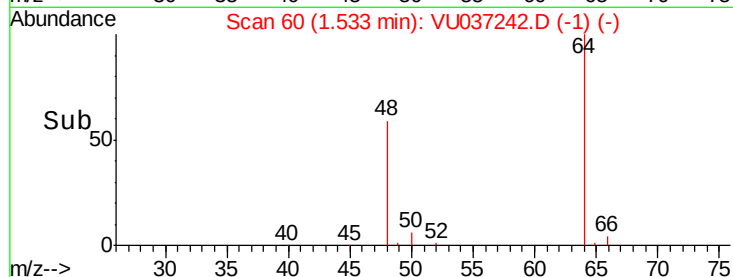
600

400

200

0

Time-->



#8

Chloroethane

Concen: 0.075 ug/L

RT: 1.99 min Scan# 201

Delta R.T. 0.04 min

Lab File: VU037242.D

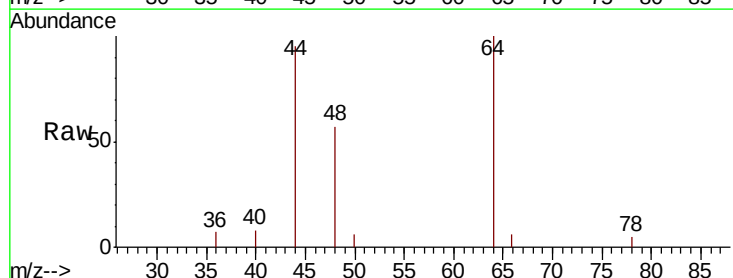
Acq: 13 Mar 2020 15:17

Tgt Ion: 64 Resp: 459

Ion Ratio Lower Upper

64 100

66 5.7 22.0 40.8#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.99

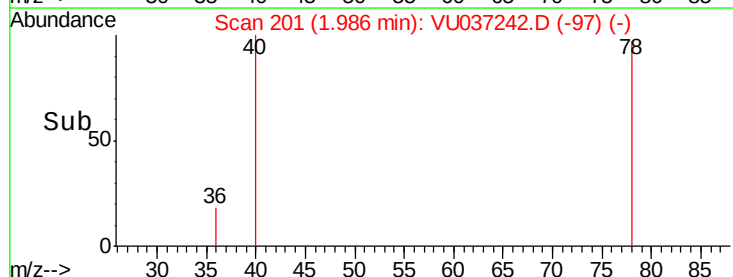
3000

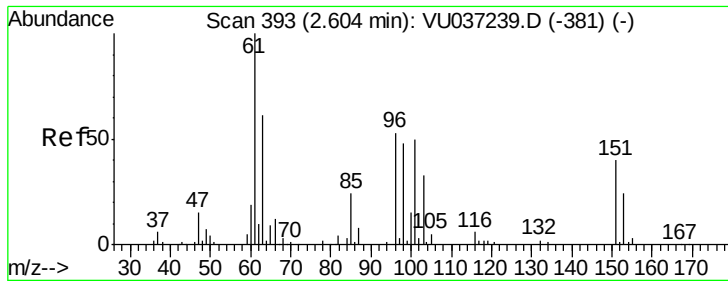
2000

1000

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.062 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037242.D

Acq: 13 Mar 2020 15:17

Instrument :

MSVOA_U

ClientSampleId :

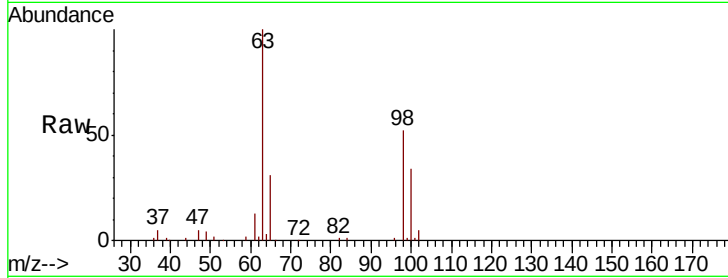
Tot Ion: 96 Resp: 497

Ion Ratio Lower Upper

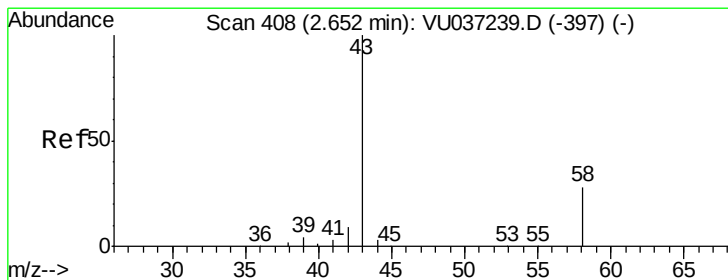
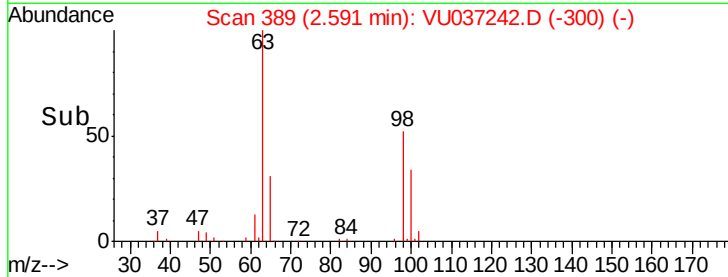
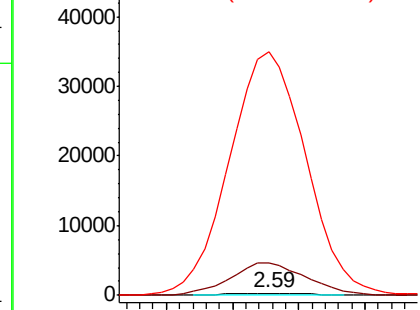
96 100

61 1415.0 136.4 253.2#

63 10496.1 86.2 160.0#



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



#13

Acetone

Concen: 3.638 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.03 min

Lab File: VU037242.D

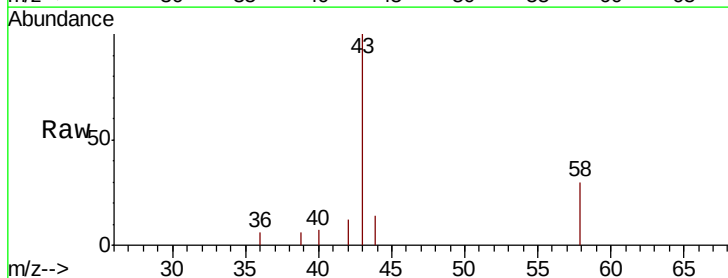
Acq: 13 Mar 2020 15:17

Tgt Ion: 43 Resp: 6114

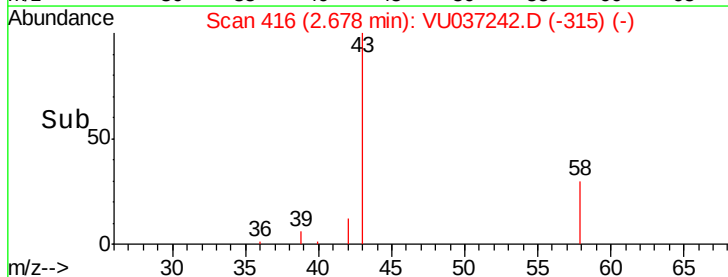
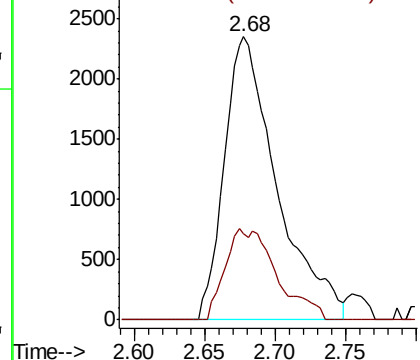
Ion Ratio Lower Upper

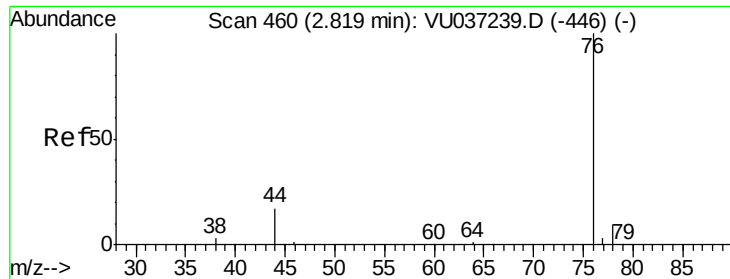
43 100

58 14.4 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0

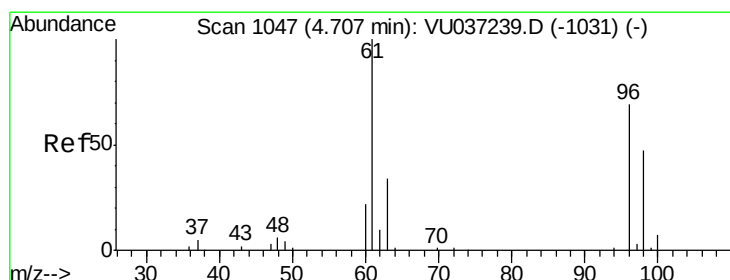
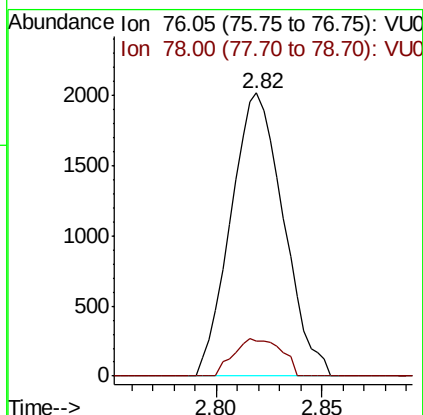
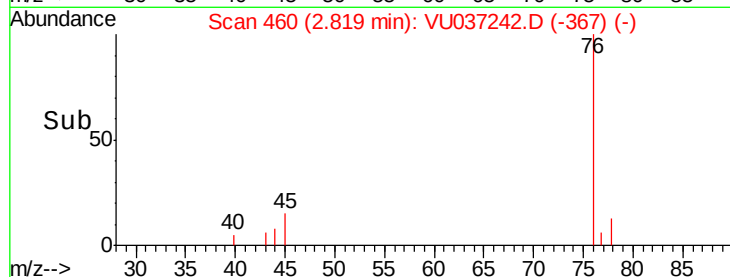
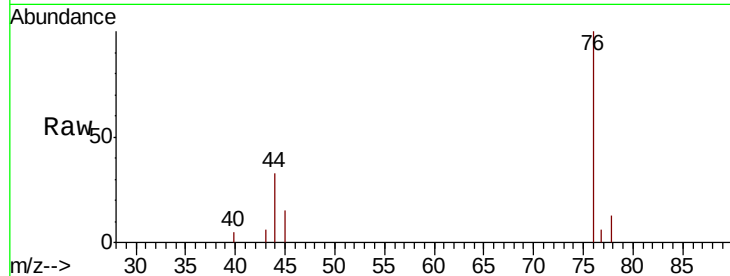




#14
Carbon disulfide
Concen: 0.132 ug/L
RT: 2.82 min Scan# 460
Delta R.T. -0.00 min
Lab File: VU037242.D
Acq: 13 Mar 2020 15:17

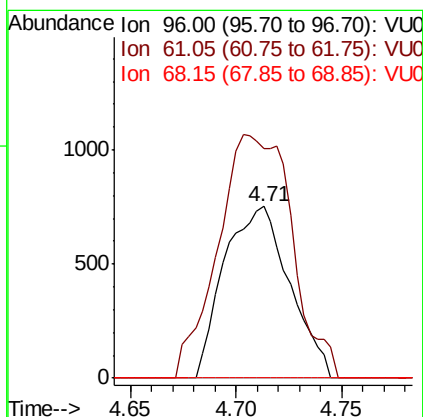
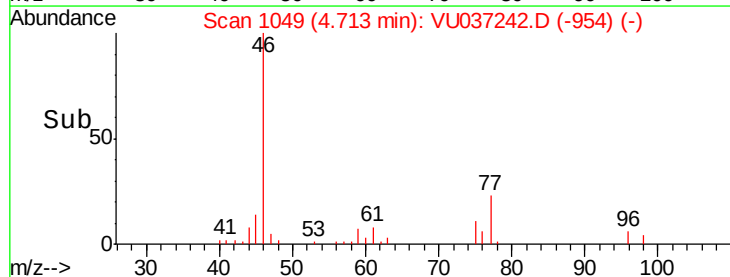
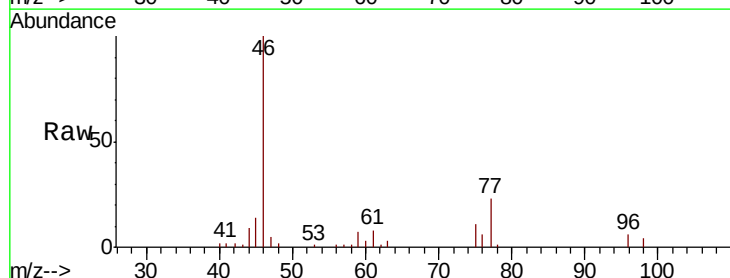
Instrument :
MSVOA_U
ClientSampleId :

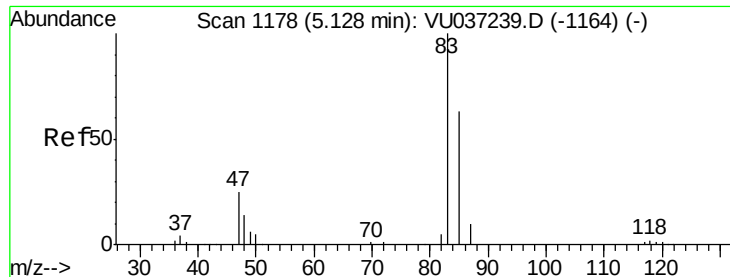
Tot Ion: 76 Resp: 3502
Ion Ratio Lower Upper
76 100
78 12.6 6.9 10.3#



#22
cis-1,2-Dichloroethene
Concen: 0.175 ug/L
RT: 4.71 min Scan# 1049
Delta R.T. 0.01 min
Lab File: VU037242.D
Acq: 13 Mar 2020 15:17

Tgt Ion: 96 Resp: 1620
Ion Ratio Lower Upper
96 100
61 134.0 94.1 174.8
68 0.0 0.0 0.0

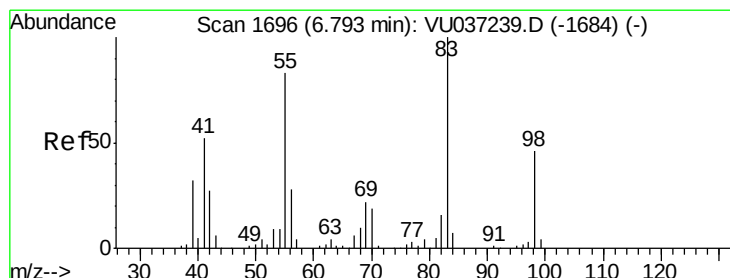
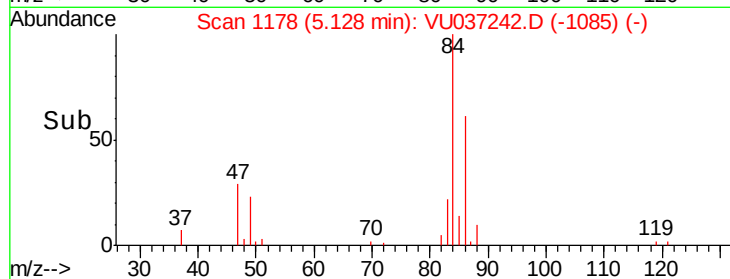
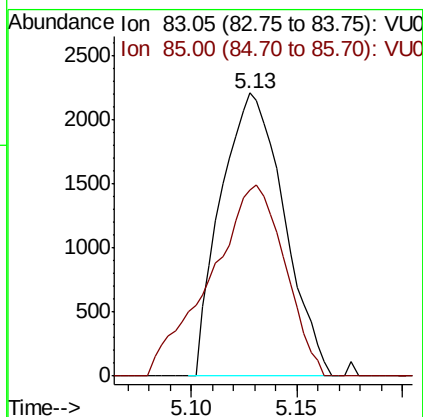
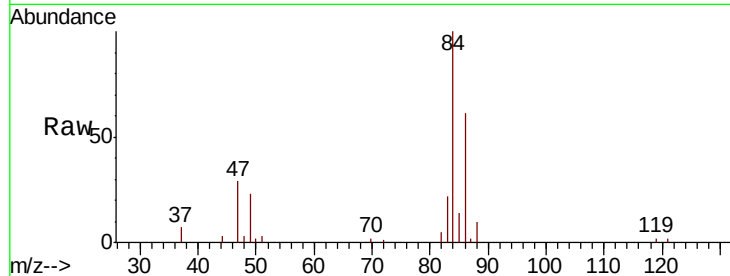




#25
Chloroform
Concen: 0.247 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037242.D
Acq: 13 Mar 2020 15:17

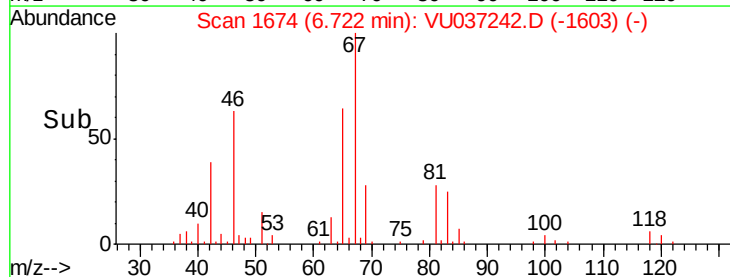
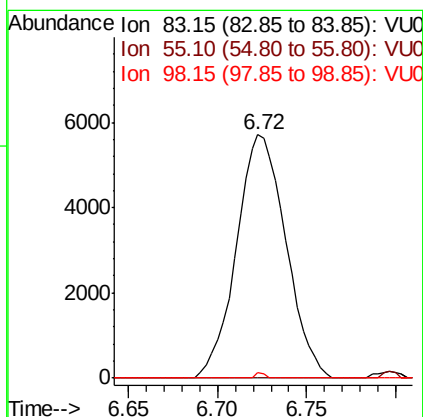
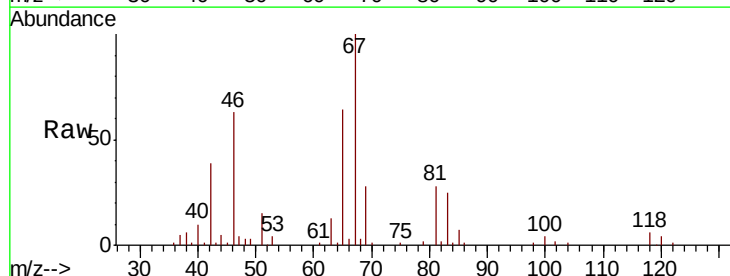
Instrument :
MSVOA_U
ClientSampled :

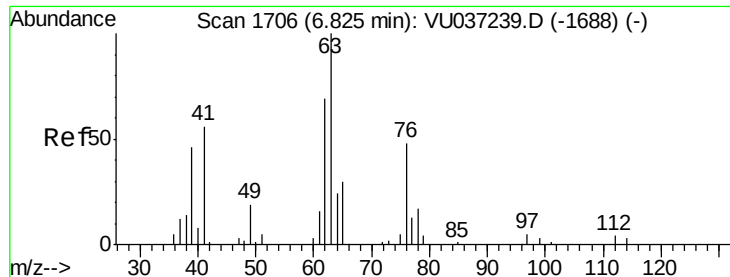
Tot Ion: 83 Resp: 4589
Ion Ratio Lower Upper
83 100
85 65.6 45.3 84.1



#35
Methylcyclohexane
Concen: 0.731 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037242.D
Acq: 13 Mar 2020 15:17

Tgt Ion: 83 Resp: 11004
Ion Ratio Lower Upper
83 100
55 0.7 68.1 102.1#
98 0.4 37.0 55.4#

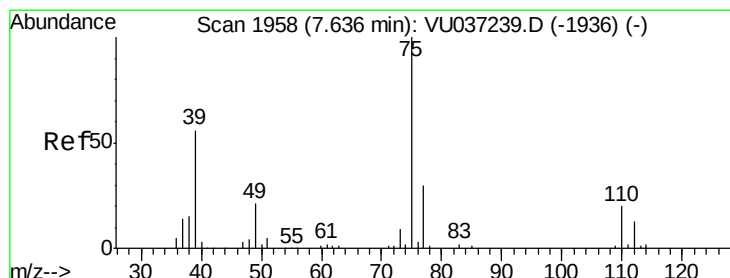
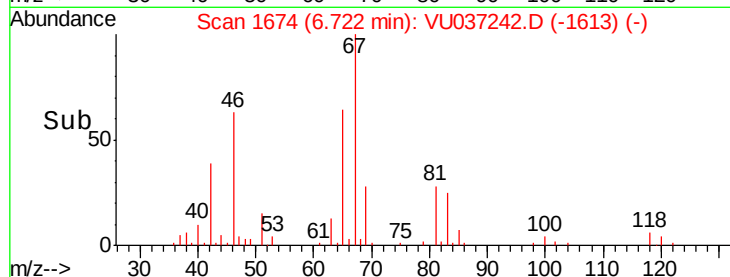
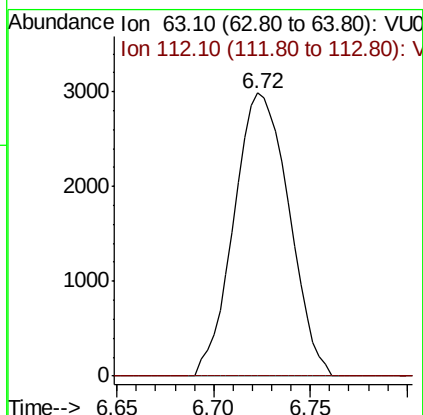
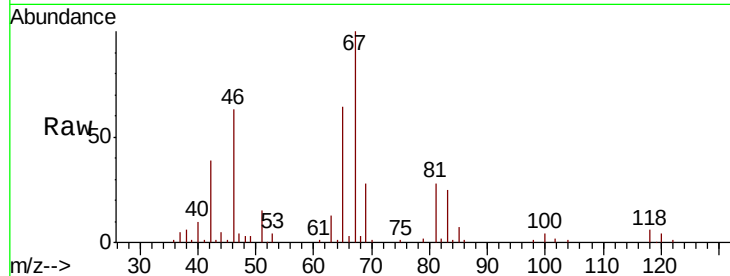




#37
 1,2-Dichloropropane
 Concen: 0.622 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037242.D
 Acq: 13 Mar 2020 15:17

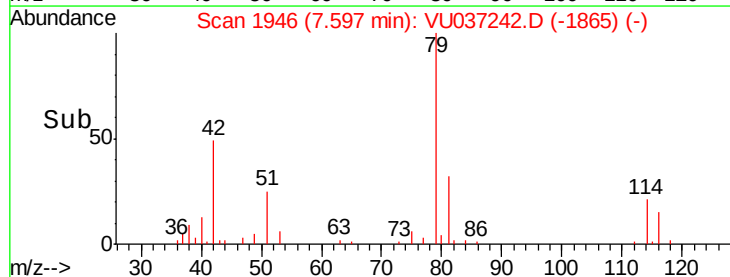
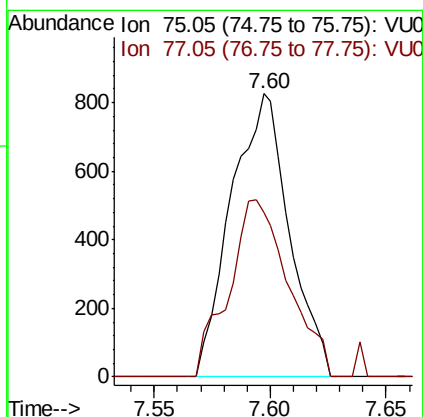
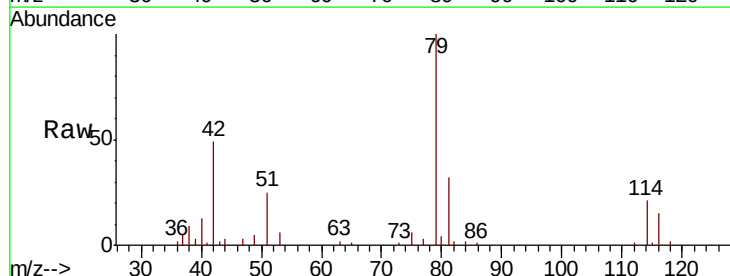
Instrument :
 MSVOA_U
 ClientSampled :

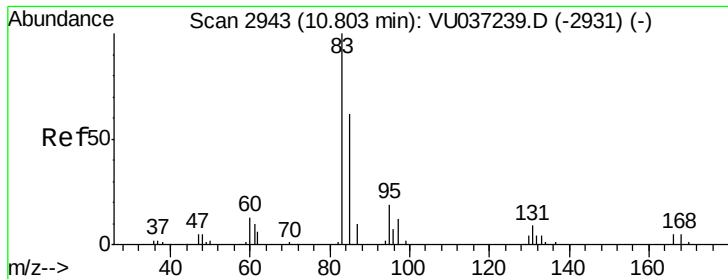
Tot Ion: 63 Resp: 5902
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.106 ug/L
 RT: 7.60 min Scan# 1946
 Delta R.T. -0.04 min
 Lab File: VU037242.D
 Acq: 13 Mar 2020 15:17

Tgt Ion: 75 Resp: 1440
 Ion Ratio Lower Upper
 75 100
 77 58.0 21.1 39.1#





#58

1,1,2,2-Tetrachloroethane

Concen: 0.504 ug/L

RT: 10.83 min Scan# 2950

Delta R.T. 0.02 min

Lab File: VU037242.D

Acq: 13 Mar 2020 15:17

Instrument :

MSVOA_U

ClientSampled :

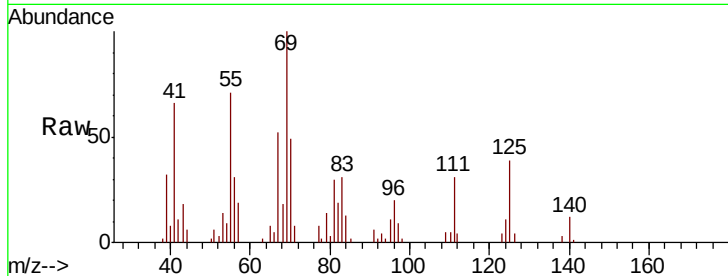
Tot Ion: 83 Resp: 4258

Ion Ratio Lower Upper

83 100

85 6.8 43.0 80.0#

131 0.0 8.2 12.2#

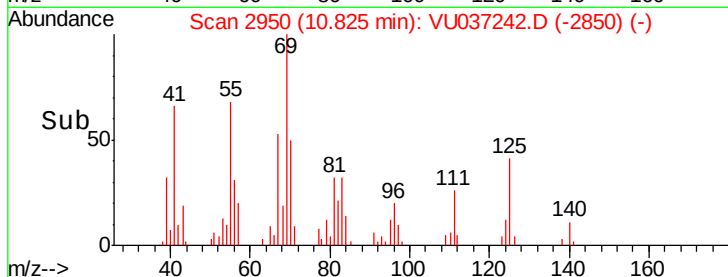


Abundance Ion 82.95 (82.65 to 83.65): VU037239.D (-2931) (-)

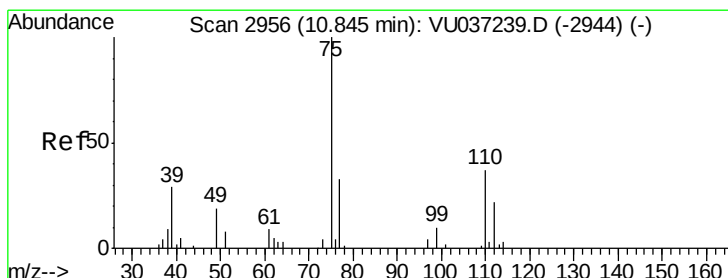
Ion 85.00 (84.70 to 85.70): VU037239.D (-2931) (-)

Ion 130.95 (130.65 to 131.65): VU037239.D (-2931) (-)

Time-->



Time-->



#59

1,2,3-Trichloropropane

Concen: 1.251 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037242.D

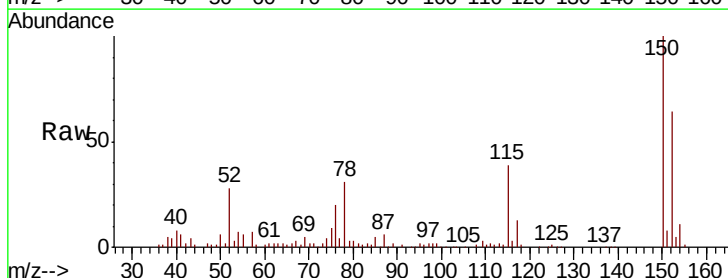
Acq: 13 Mar 2020 15:17

Tgt Ion: 75 Resp: 8490

Ion Ratio Lower Upper

75 100

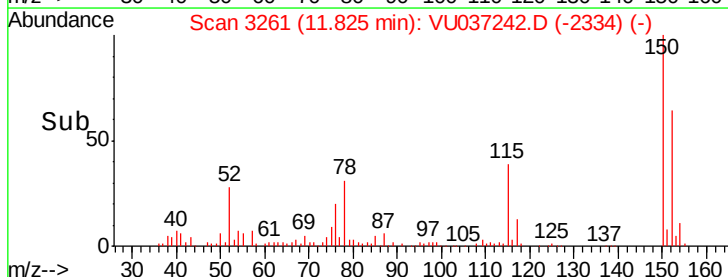
77 47.1 27.4 41.0#



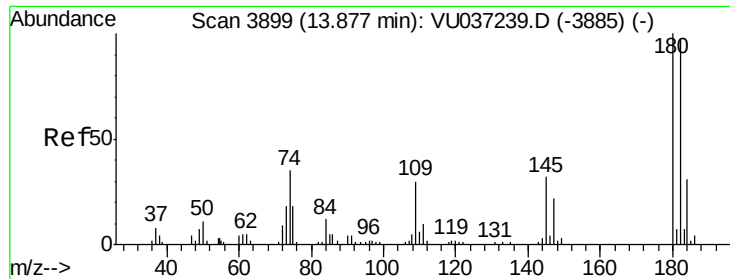
Abundance Ion 75.00 (74.70 to 75.70): VU037239.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU037239.D (-2944) (-)

Time-->



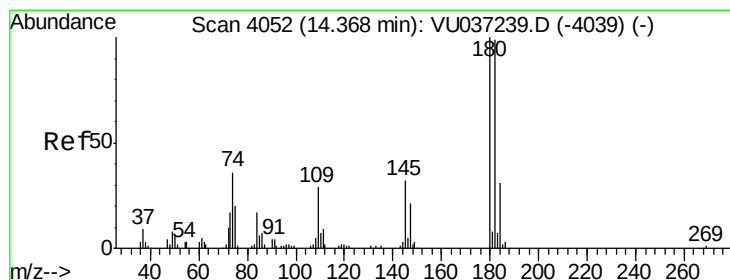
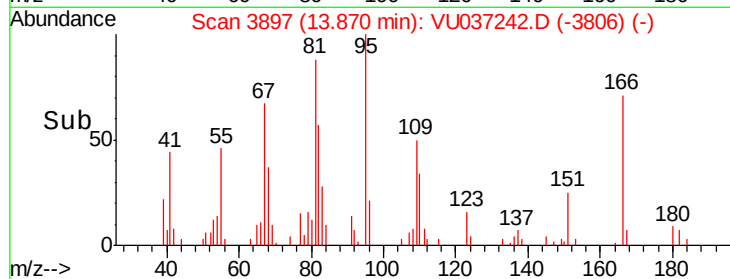
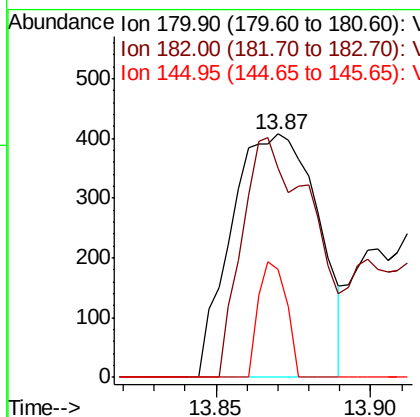
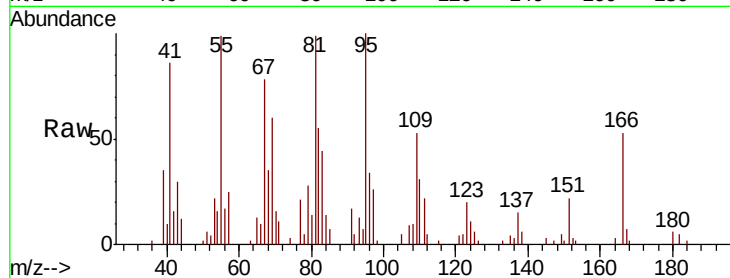
Time-->



#68
 1,2,4-trichlorobenzene
 Concen: 0.086 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.01 min
 Lab File: VU037242.D
 Acq: 13 Mar 2020 15:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 794
 Ion Ratio Lower Upper
 180 100
 182 80.6 76.7 115.1
 145 15.4 26.6 39.8#



#70
 1,2,3-Trichlorobenzene
 Concen: 0.235 ug/L
 RT: 14.38 min Scan# 4055
 Delta R.T. 0.01 min
 Lab File: VU037242.D
 Acq: 13 Mar 2020 15:17

Tgt Ion:180 Resp: 2024
 Ion Ratio Lower Upper
 180 100
 182 13.8 77.0 115.6#
 145 0.0 28.2 42.4#

