

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\
 Data File : VU037960.D
 Acq On : 30 Apr 2020 19:13
 Operator : JC/MD
 Sample : L2396-02 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 01 02:21:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 01 02:16:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	717447	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	700807	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	315188	50.00	ug/L	0.00

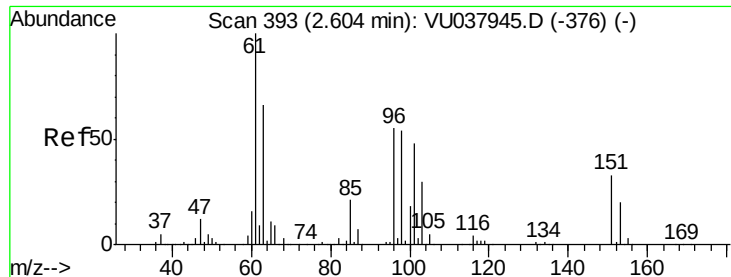
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	285827	45.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.58%
7) Chloroethane-d5	1.93	69	241323	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.02%
11) 1,1-Dichloroethene-d2	2.59	63	371189	35.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.92%
21) 2-Butanone-d5	4.66	46	422898	85.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.74%
24) Chloroform-d	5.10	84	430676	44.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.14%
26) 1,2-Dichloroethane-d4	5.74	65	317464	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
32) Benzene-d6	5.76	84	982529	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.14%
36) 1,2-Dichloropropane-d6	6.72	67	326142	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.24%
41) Toluene-d8	7.92	98	886288	46.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.54%
43) trans-1,3-Dichloropropene-	8.20	79	147744	46.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.00%
47) 2-Hexanone-d5	8.65	63	292361	98.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.15%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	432928	43.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.74%
64) 1,2-Dichlorobenzene-d4	12.20	152	310293	47.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.18%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3428	0.747	ug/L #	24
12) 1,1-Dichloroethene	2.60	96	34358	7.312	ug/L #	1
16) Methylene chloride	3.08	84	13760	2.484	ug/L	97
20) cis-1,2-Dichloroethene	4.70	96	13219	2.357	ug/L	98
25) Chloroform	5.12	83	24737	2.550	ug/L	97
30) 1,1,1-Trichloroethane	5.35	97	50553	6.489	ug/L	98
31) Carbon tetrachloride	5.36	117	6568	1.068	ug/L	96
34) Trichloroethene	6.57	95	634897	119.511	ug/L	100
48) 2-Hexanone	8.71	43	33335	4.262	ug/L	95
59) 1,2,3-Trichloropropane	11.83	75	45546	5.608	ug/L	96

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



#10

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

Concen: 0.747 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037960.D

Acq: 30 Apr 2020 19:13

Instrument :

MSVOA_U

ClientSampled :

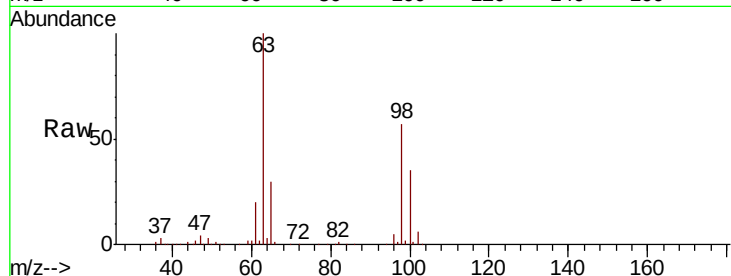
Tot Ion:101 Resp: 3428

Ion Ratio Lower Upper

101 100

85 1.4 34.7 52.1#

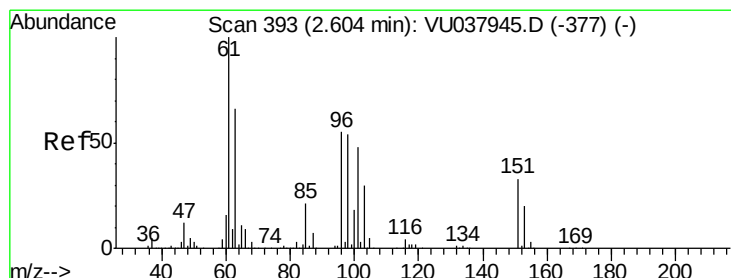
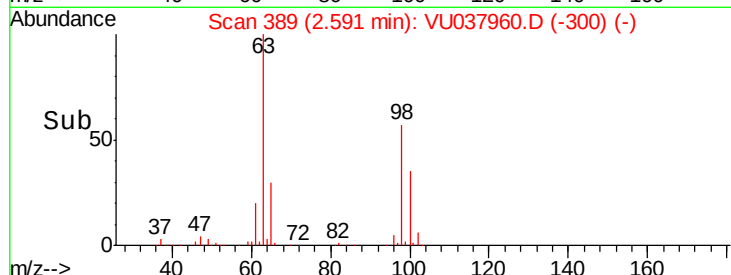
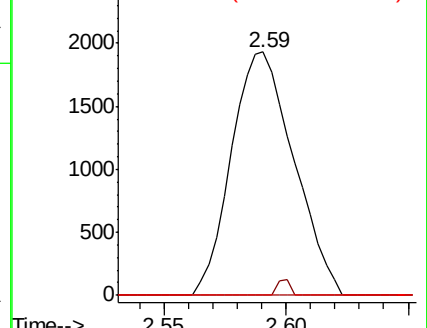
151 0.0 53.4 80.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 7.312 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037960.D

Acq: 30 Apr 2020 19:13

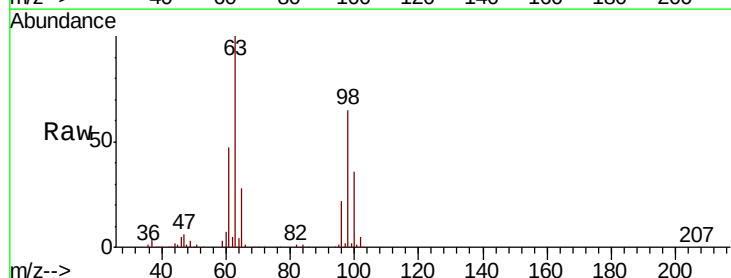
Tgt Ion: 96 Resp: 34358

Ion Ratio Lower Upper

96 100

61 216.0 126.1 234.3

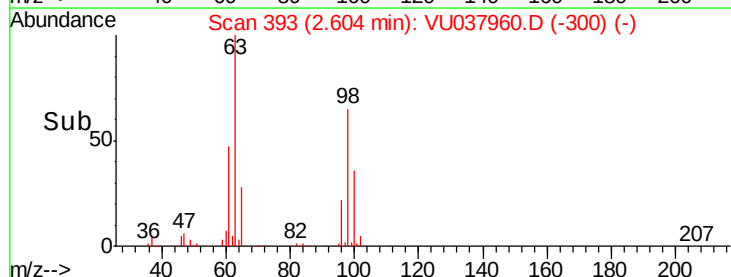
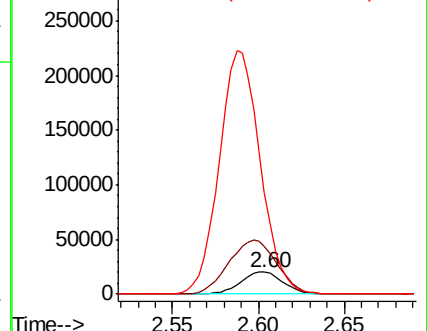
63 460.6 83.4 154.8#

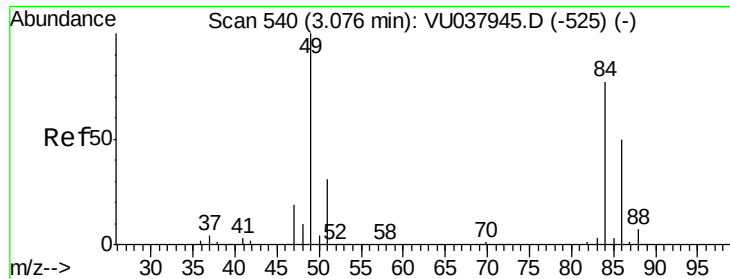


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

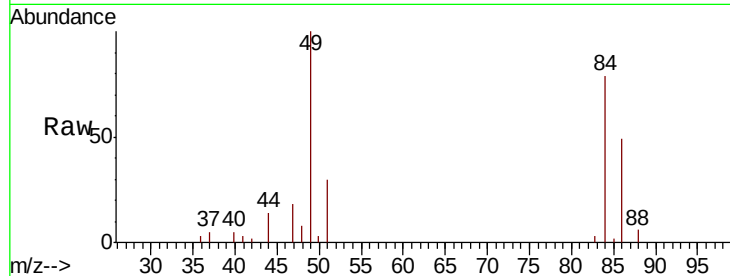




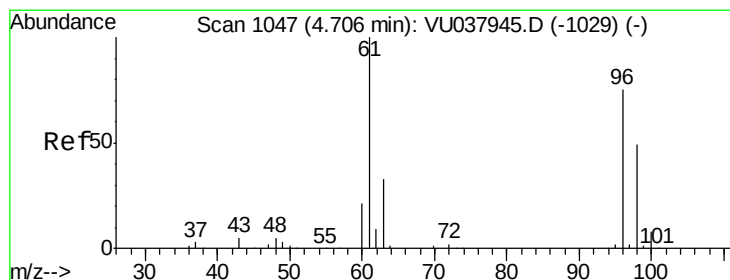
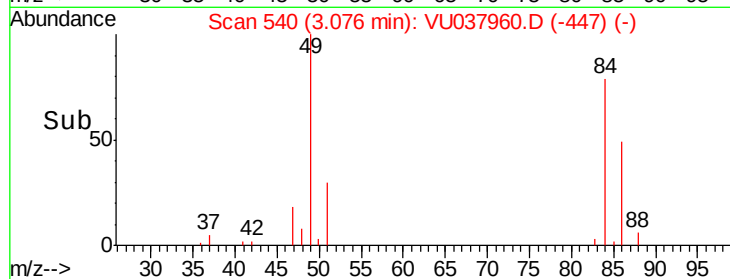
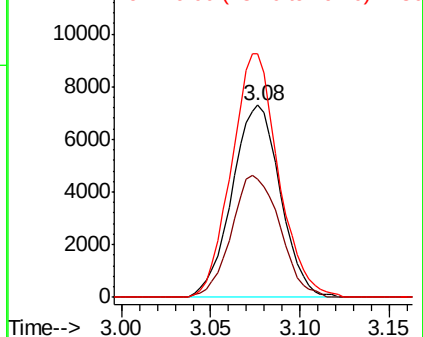
#16
Methylene chloride
Concen: 2.484 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037960.D
Acq: 30 Apr 2020 19:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 13760
Ion Ratio Lower Upper
84 100
86 61.5 45.1 83.9
49 126.6 91.2 169.4

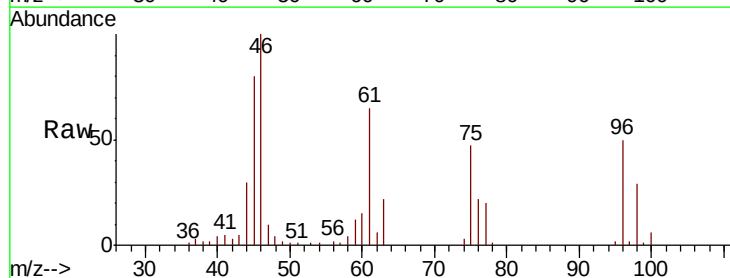


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

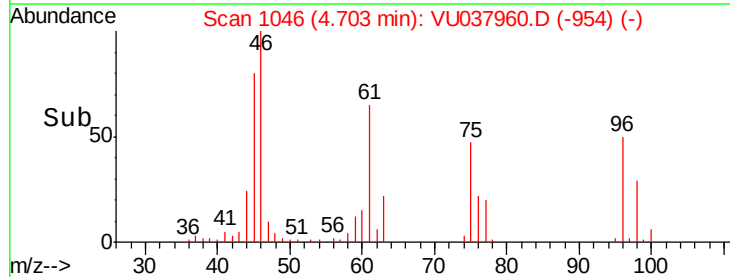
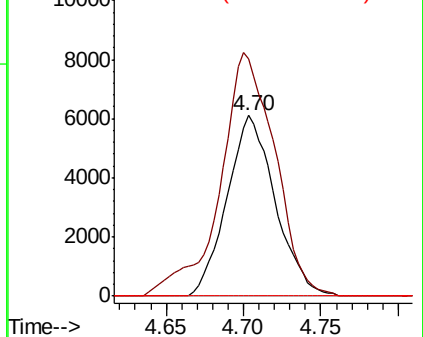


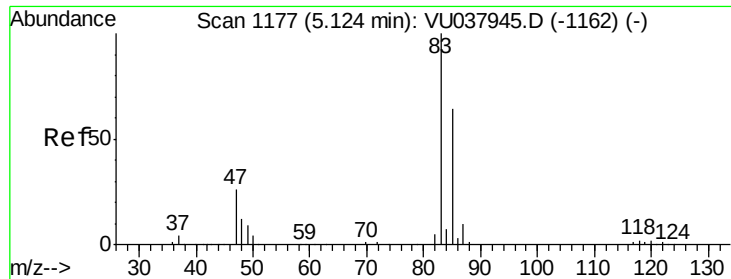
#20
cis-1,2-Dichloroethene
Concen: 2.357 ug/L
RT: 4.70 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VU037960.D
Acq: 30 Apr 2020 19:13

Tgt Ion: 96 Resp: 13219
Ion Ratio Lower Upper
96 100
61 131.8 93.9 174.3
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0

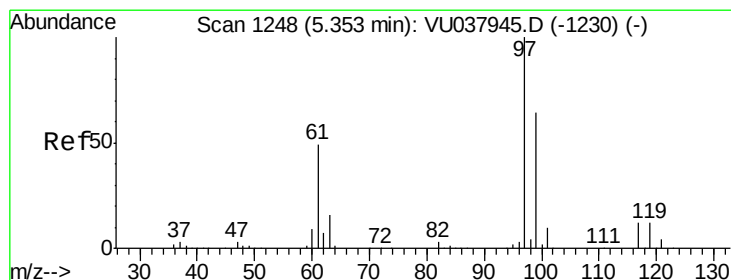
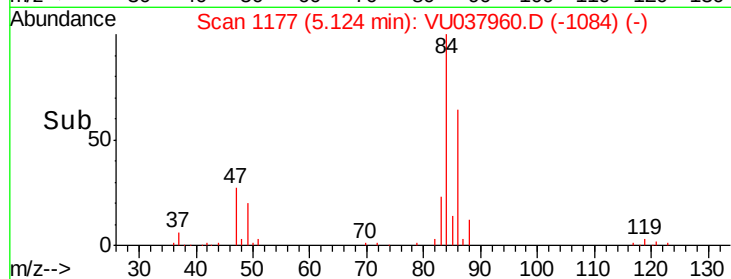
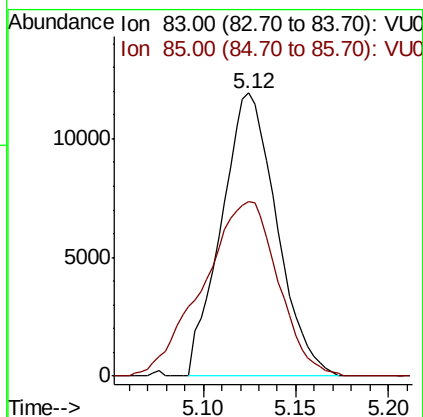
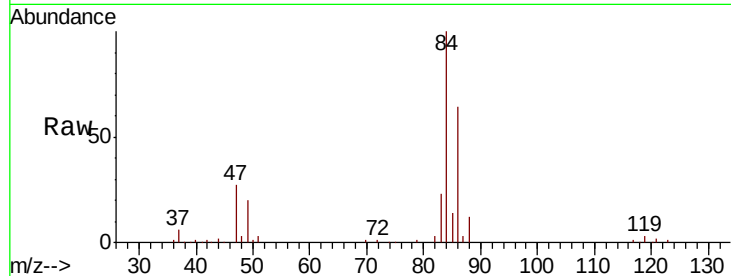




#25
Chloroform
Concen: 2.550 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037960.D
Acq: 30 Apr 2020 19:13

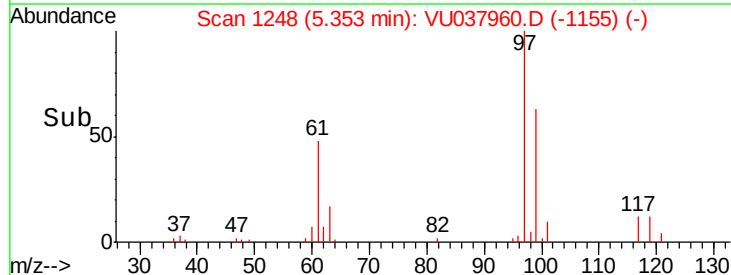
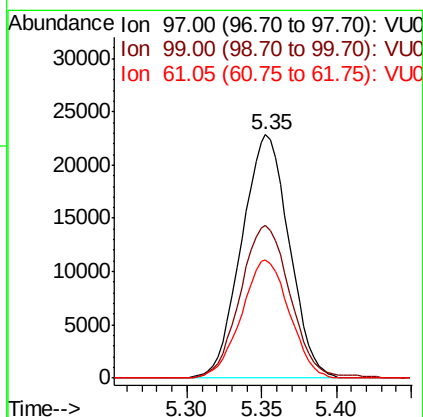
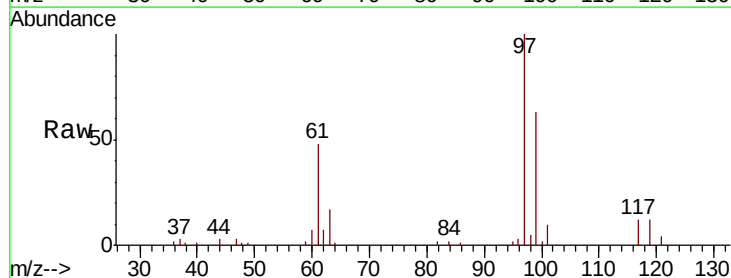
Instrument :
MSVOA_U
ClientSampled :

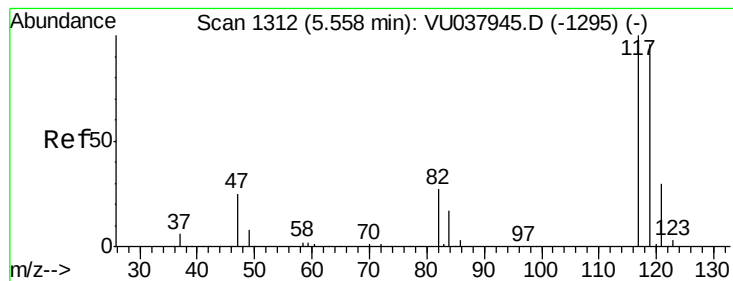
Tot Ion: 83 Resp: 24737
Ion Ratio Lower Upper
83 100
85 61.6 45.0 83.6



#30
1,1,1-Trichloroethane
Concen: 6.489 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037960.D
Acq: 30 Apr 2020 19:13

Tgt Ion: 97 Resp: 50553
Ion Ratio Lower Upper
97 100
99 65.3 50.5 75.7
61 48.8 38.8 58.2





#31

Carbon tetrachloride

Concen: 1.068 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.20 min

Lab File: VU037960.D

Acq: 30 Apr 2020 19:13

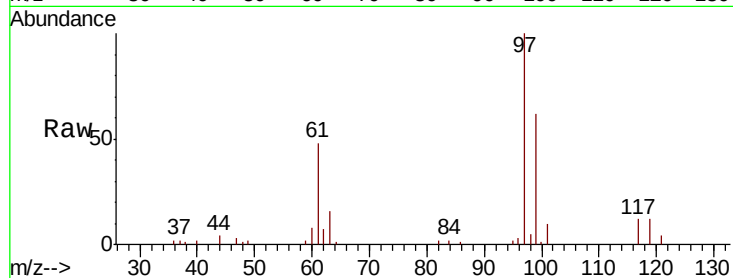
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 6568

Ion Ratio Lower Upper

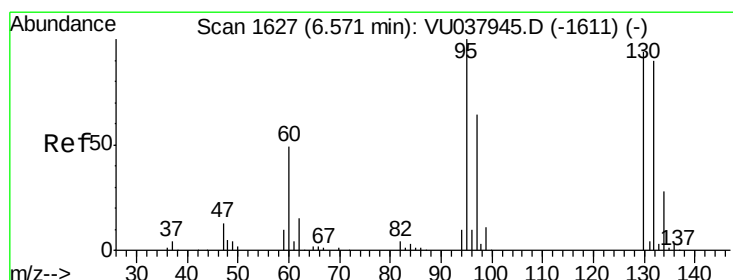
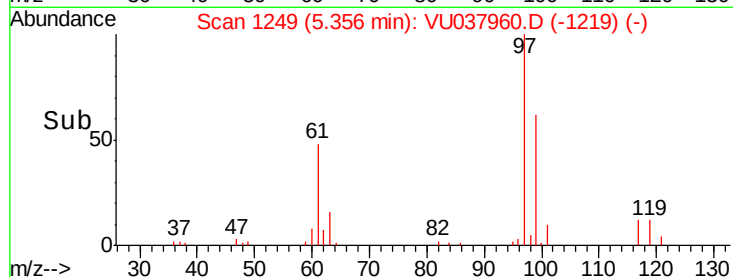
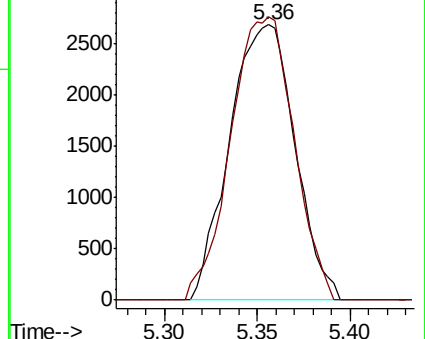
117 100

119 99.6 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 119.511 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037960.D

Acq: 30 Apr 2020 19:13

Tgt Ion: 95 Resp: 634897

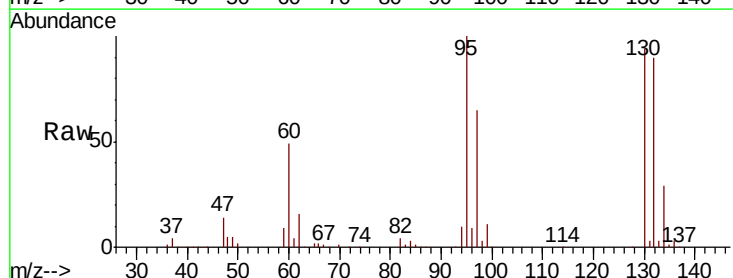
Ion Ratio Lower Upper

95 100

97 64.8 44.9 83.5

132 90.0 63.2 117.4

130 94.3 65.9 122.3

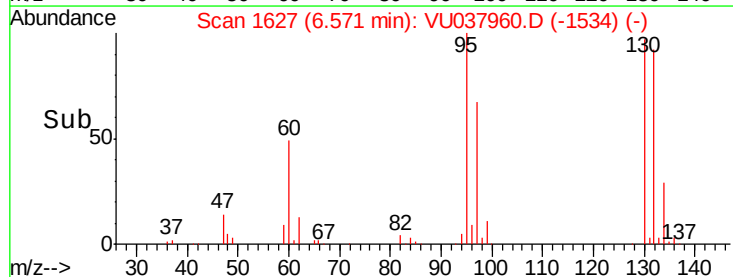
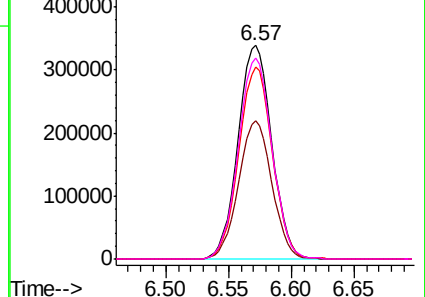


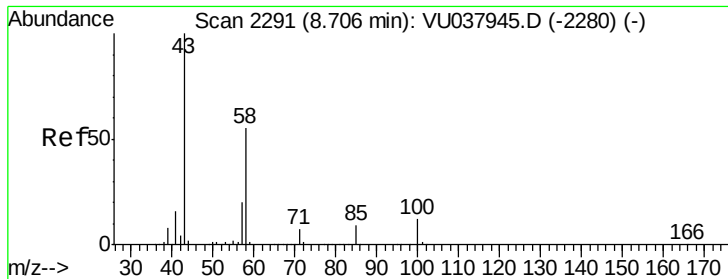
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

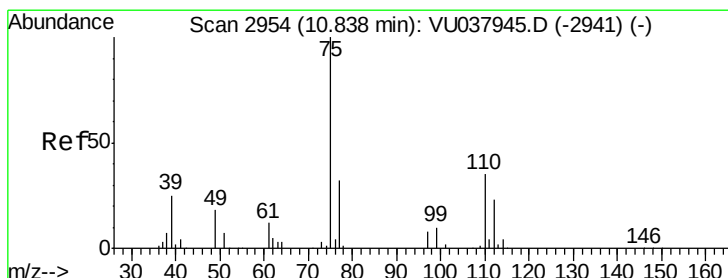
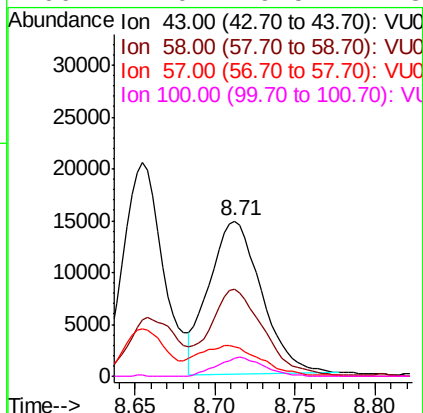
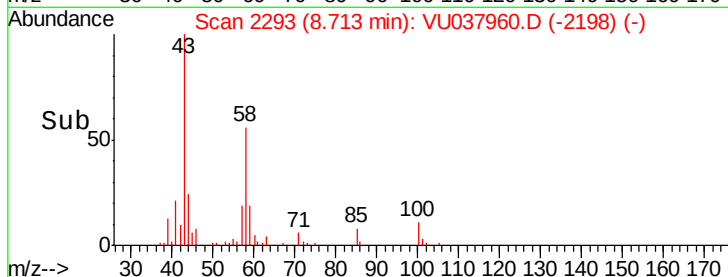
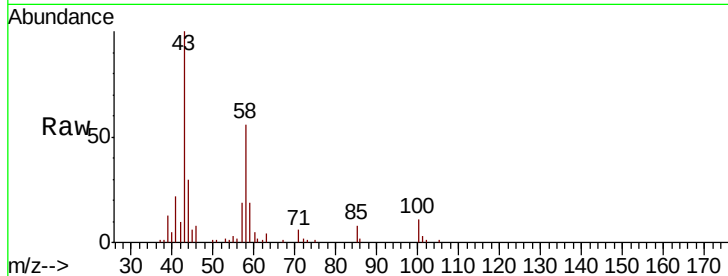




#48
2-Hexanone
Concen: 4.262 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VU037960.D
Acq: 30 Apr 2020 19:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	33335
Ion	Ratio	Lower	Upper
43	100		
58	55.1	46.4	69.6
57	24.0	16.4	24.6
100	11.0	9.5	14.3



#59
1,2,3-Trichloropropane
Concen: 5.608 ug/L
RT: 11.83 min Scan# 3261
Delta R.T. 0.99 min
Lab File: VU037960.D
Acq: 30 Apr 2020 19:13

Tgt Ion:	75	Resp:	45546
Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.4	38.2

