

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062920\
 Data File : VU039204.D
 Acq On : 29 Jun 2020 20:13
 Operator : SY/MD
 Sample : L3121-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F31

Quant Time: Jun 30 01:40:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 30 01:35:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	184921	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	185349	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	78328	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	49552	2.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.40%
7) Chloroethane-d5	1.93	69	52804	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.60%
11) 1,1-Dichloroethene-d2	2.59	63	74211	2.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	47.00%#
20) 2-Butanone-d5	4.68	46	303742	58.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.18%
24) Chloroform-d	5.10	84	137913	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.74	65	90472	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.76	84	238191	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	6.72	67	84680	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.92	98	173262	3.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.40%#
43) trans-1,3-Dichloropropene-	8.20	79	27264	3.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.60%
46) 2-Hexanone-d5	8.65	63	220311	56.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.80%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	80424	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	73466	4.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.20%

Target Compounds

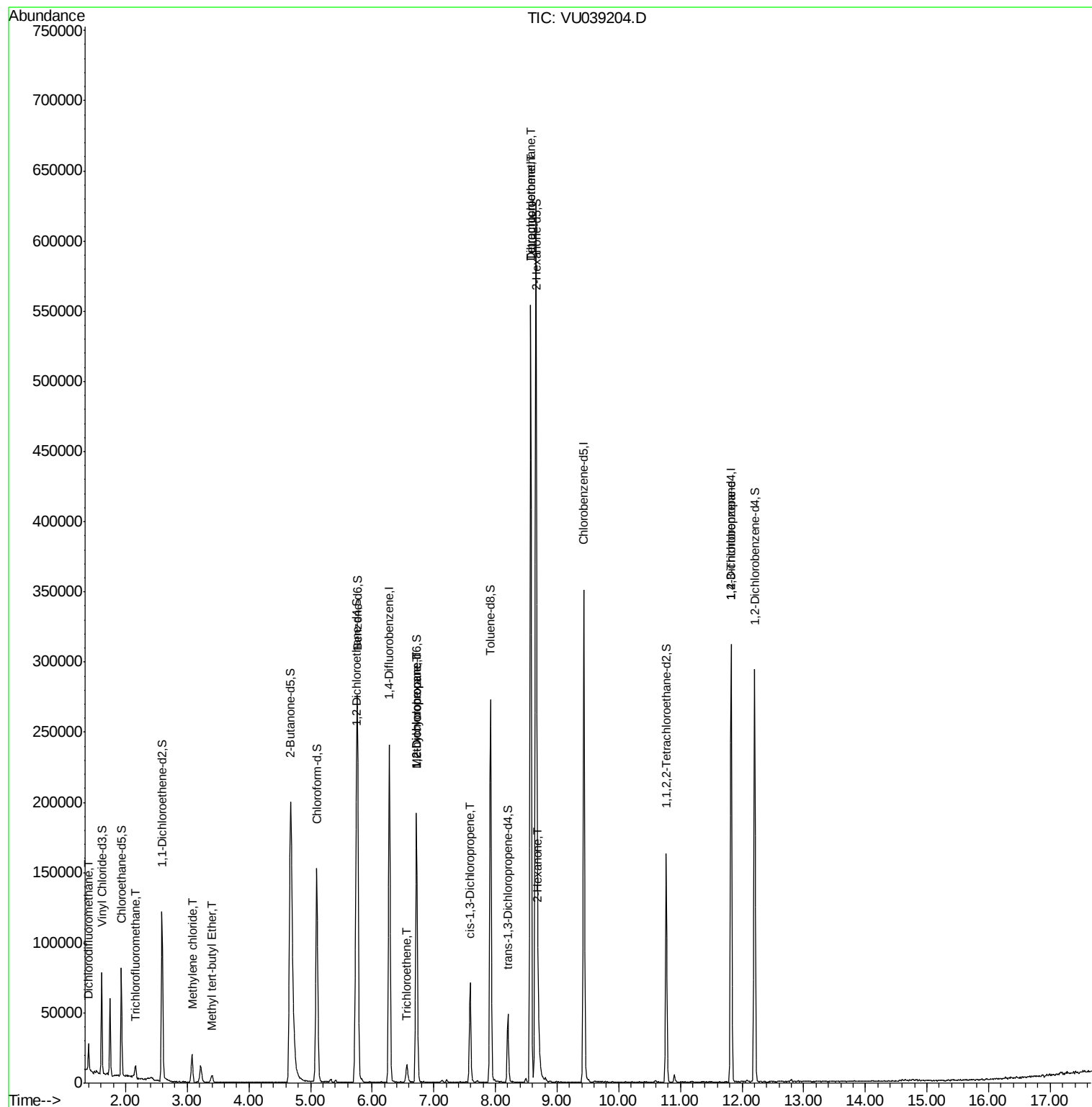
					Ovalue
2) Dichlorodifluoromethane	1.39	85	7246	0.396	ug/L 93
9) Trichlorofluoromethane	2.16	101	4541	0.180	ug/L 97
16) Methylene chloride	3.08	84	8700	0.533	ug/L 96
17) Methyl tert-butyl Ether	3.40	73	5054	0.138	ug/L 97
34) Trichloroethene	6.57	95	2650	0.174	ug/L # 81
35) Methylcyclohexane	6.72	83	19614	0.862	ug/L # 16
37) 1,2-Dichloropropane	6.72	63	10270	0.648	ug/L # 89
39) cis-1,3-Dichloropropene	7.59	75	2165	0.095	ug/L 86
47) Tetrachloroethene	8.57	164	115003	10.470	ug/L 98
48) 2-Hexanone	8.70	43	14859	1.700	ug/L # 88
49) Dibromochloromethane	8.57	129	110332	8.158	ug/L # 11
59) 1,2,3-Trichloropropane	11.82	75	9675	0.811	ug/L # 81

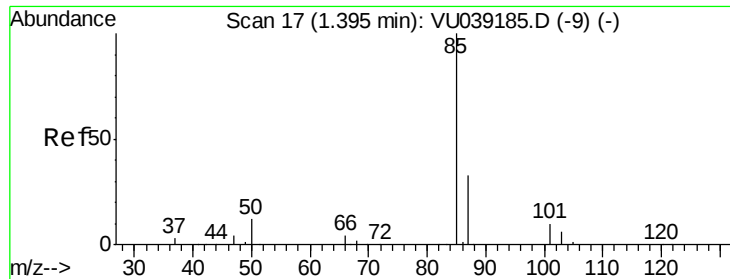
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.396 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039204.D

Acq: 29 Jun 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

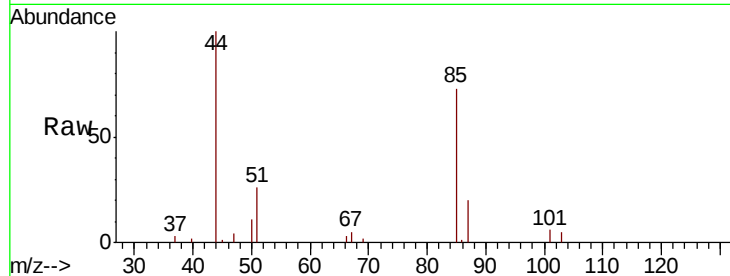
F9F31

Tot Ion: 85 Resp: 7246

Ion Ratio Lower Upper

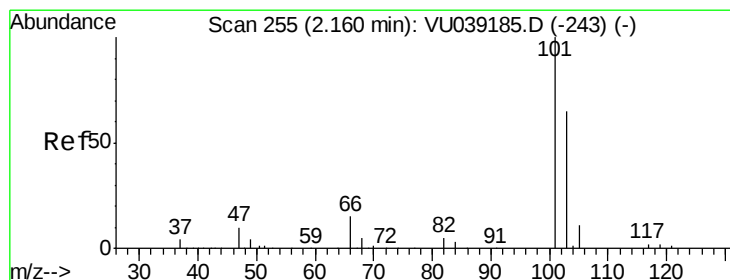
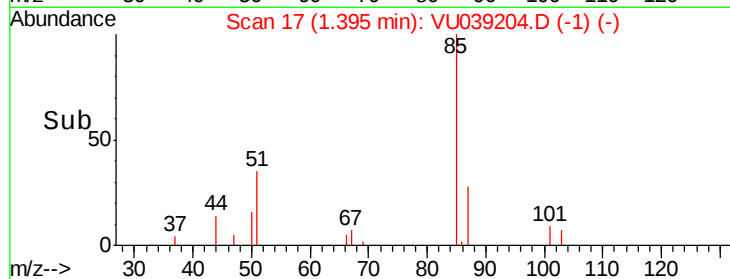
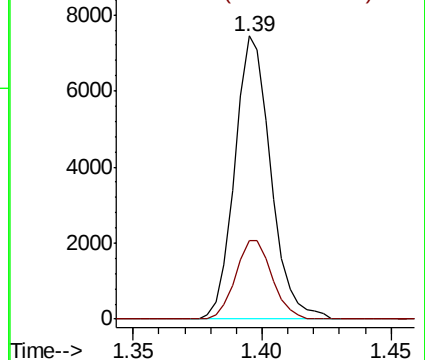
85 100

87 28.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU039204.D (-162) (-)

Ion 87.00 (86.70 to 87.70): VU039204.D (-162) (-)



#9

Trichlorofluoromethane

Concen: 0.180 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU039204.D

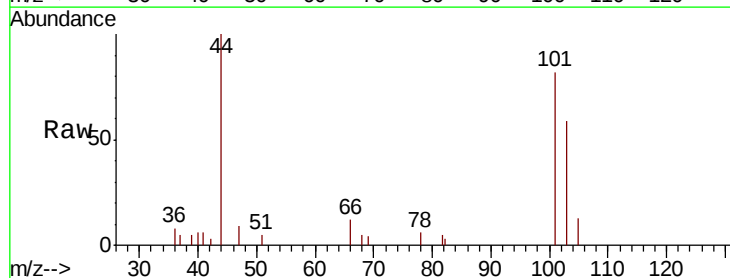
Acq: 29 Jun 2020 20:13

Tgt Ion: 101 Resp: 4541

Ion Ratio Lower Upper

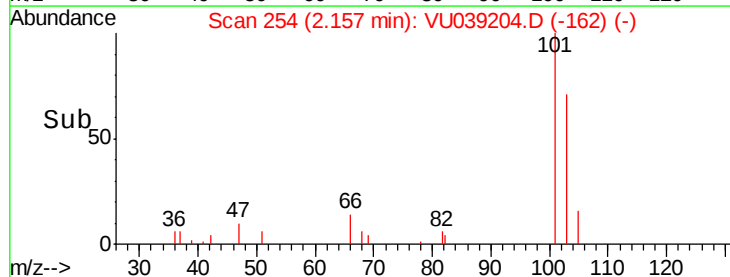
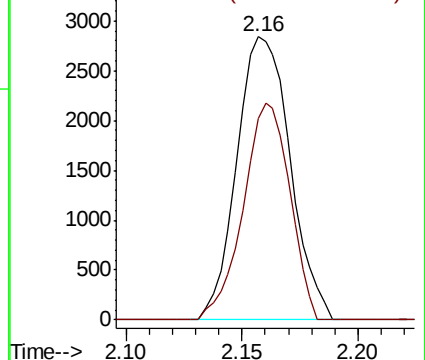
101 100

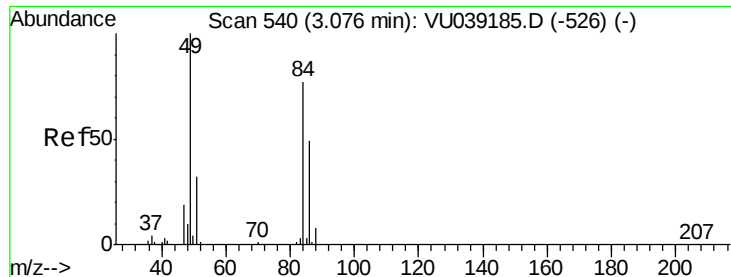
103 66.9 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU039204.D (-162) (-)

Ion 103.00 (102.70 to 103.70): VU039204.D (-162) (-)

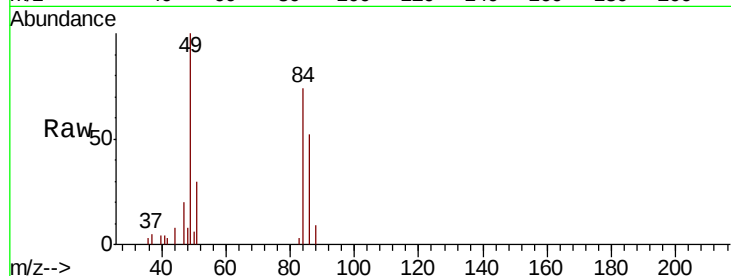




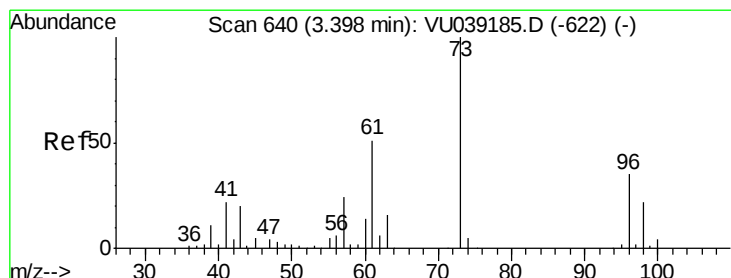
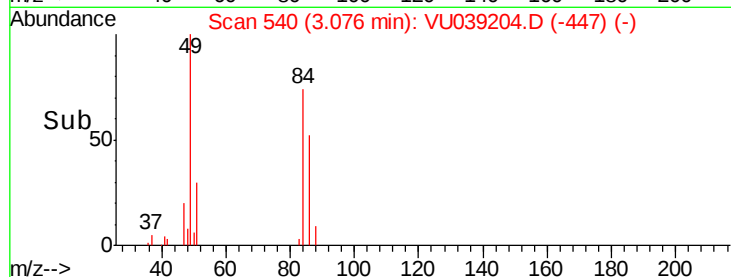
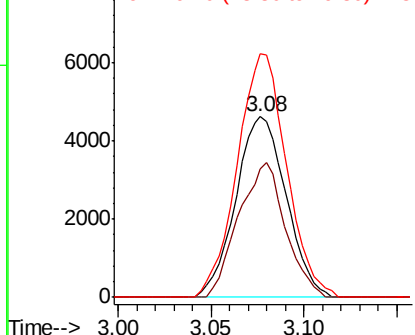
#16
Methvlene chloride
Concen: 0.533 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU039204.D
Acq: 29 Jun 2020 20:13

Instrument :
MSVOA_U
ClientSampleId :
F9F31

Tot Ion: 84 Resp: 8700
Ion Ratio Lower Upper
84 100
86 70.8 44.2 82.2
49 134.9 93.2 173.0

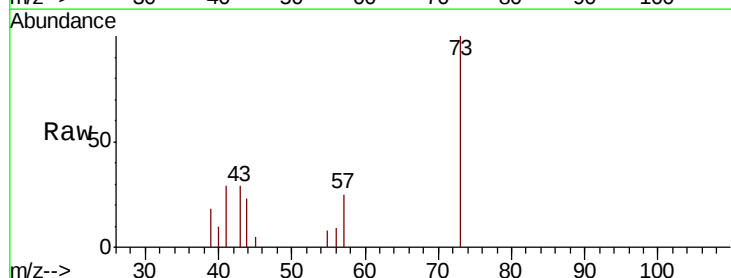


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

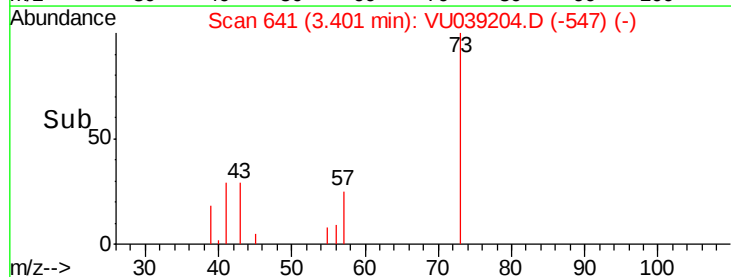
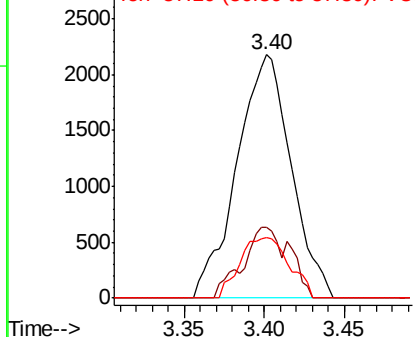


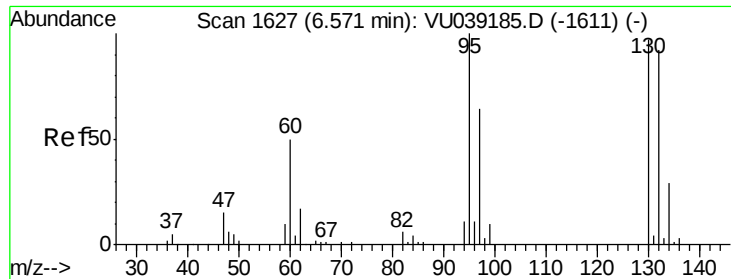
#17
Methyl tert-butyl Ether
Concen: 0.138 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU039204.D
Acq: 29 Jun 2020 20:13

Tgt Ion: 73 Resp: 5054
Ion Ratio Lower Upper
73 100
43 19.2 17.4 26.0
57 22.5 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

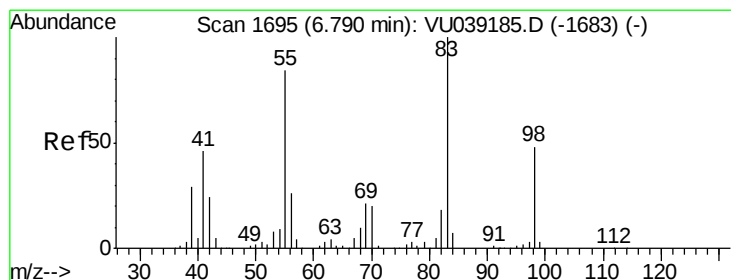
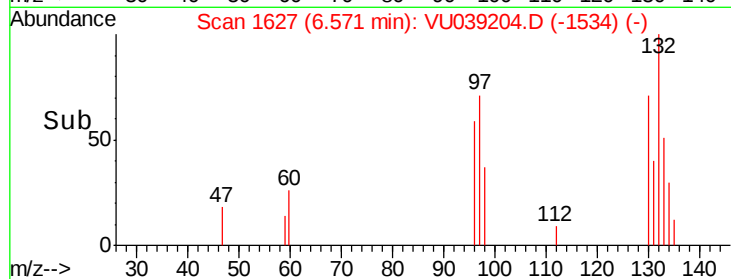
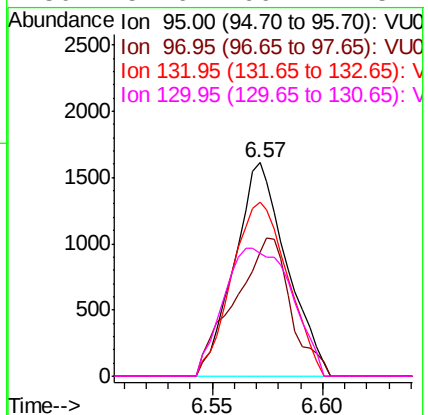
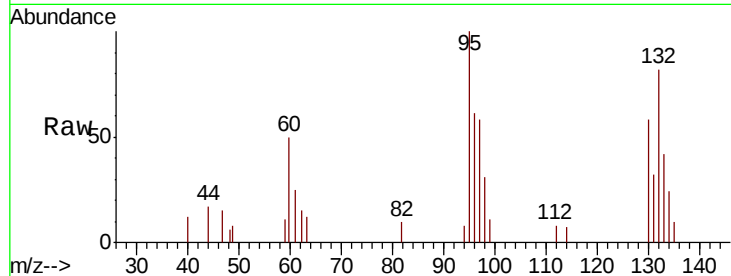




#34
 Trichloroethene
 Concen: 0.174 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU039204.D
 Acq: 29 Jun 2020 20:13

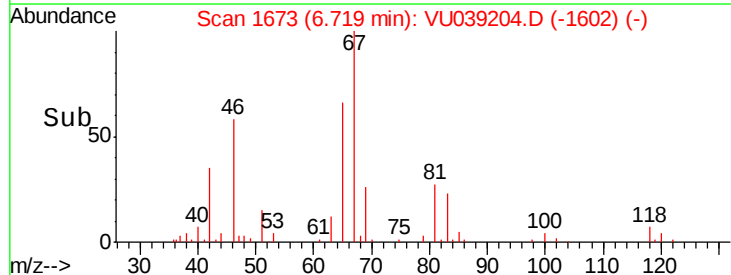
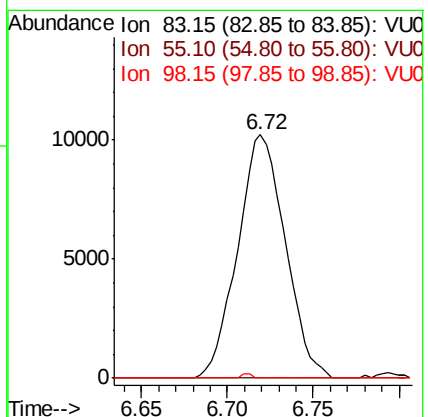
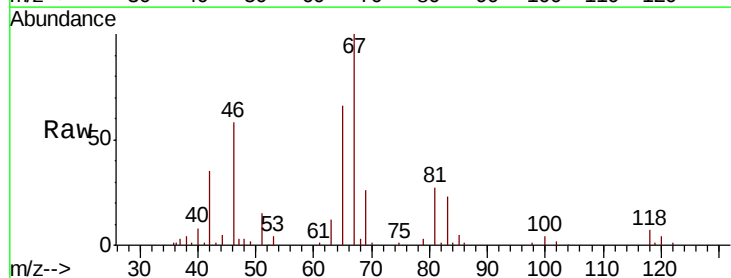
Instrument :
 MSVOA_U
 ClientSampleID :
 F9F31

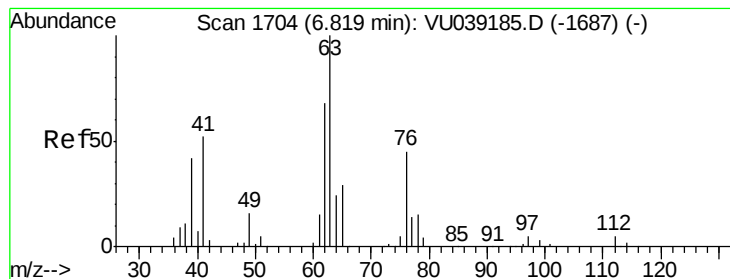
Tot Ion: 95 Resp: 2650
 Ion Ratio Lower Upper
 95 100
 97 58.0 44.0 81.8
 132 81.6 61.2 113.8
 130 57.6 66.4 123.4#



#35
 Methylcyclohexane
 Concen: 0.862 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.07 min
 Lab File: VU039204.D
 Acq: 29 Jun 2020 20:13

Tgt Ion: 83 Resp: 19614
 Ion Ratio Lower Upper
 83 100
 55 0.0 65.5 98.3#
 98 0.4 38.2 57.4#





#37

1,2-Dichloropropane

Concen: 0.648 ug/L

RT: 6.72 min Scan# 1672

Delta R.T. -0.10 min

Lab File: VU039204.D

Acq: 29 Jun 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

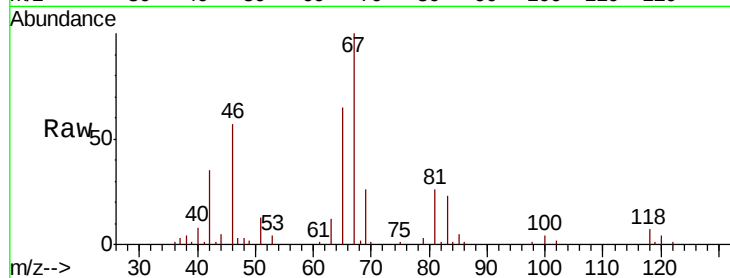
F9F31

Tot Ion: 63 Resp: 10270

Ion Ratio Lower Upper

63 100

112 0.7 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU039185.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU039185.D (-1687) (-)

6.72

6000

5000

4000

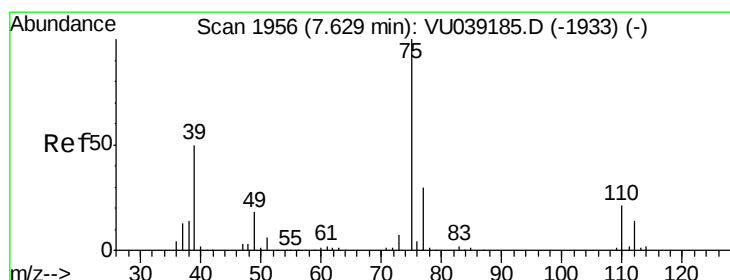
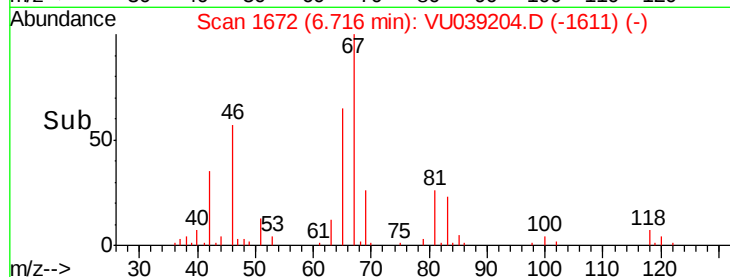
3000

2000

1000

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU039204.D

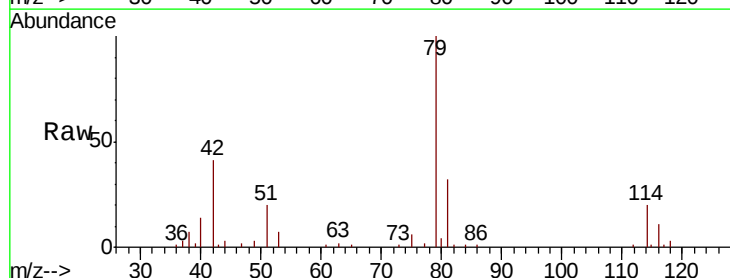
Acq: 29 Jun 2020 20:13

Tgt Ion: 75 Resp: 2165

Ion Ratio Lower Upper

75 100

77 40.4 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU039185.D (-1933) (-)

Ion 77.05 (76.75 to 77.75): VU039185.D (-1933) (-)

7.59

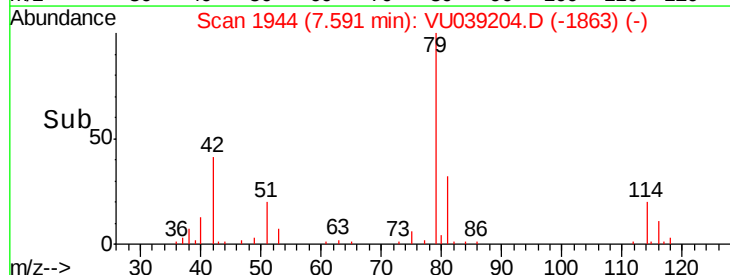
1500

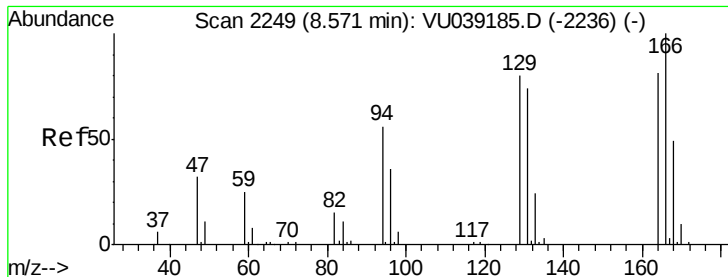
1000

500

0

Time-->





#47

Tetrachloroethene

Concen: 10.470 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. 0.00 min

Lab File: VU039204.D

Acq: 29 Jun 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

F9F31

Tot Ion:164 Resp: 115003

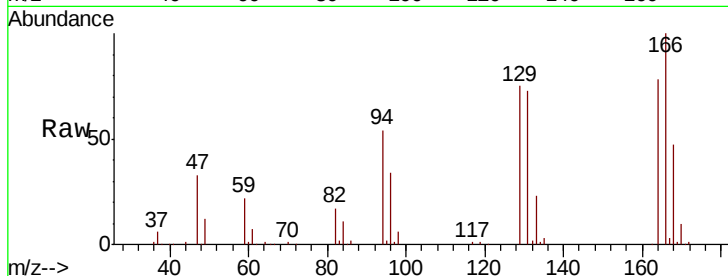
Ion Ratio Lower Upper

164 100

129 96.5 67.6 125.6

131 93.1 66.1 122.7

166 128.3 86.8 161.2

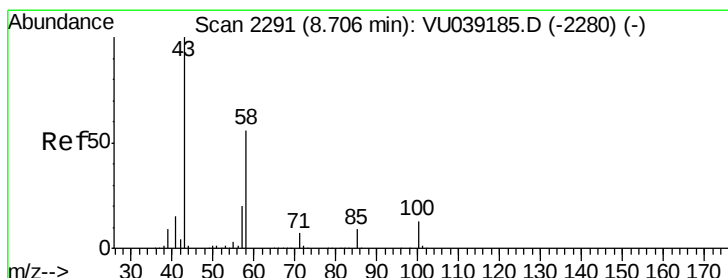
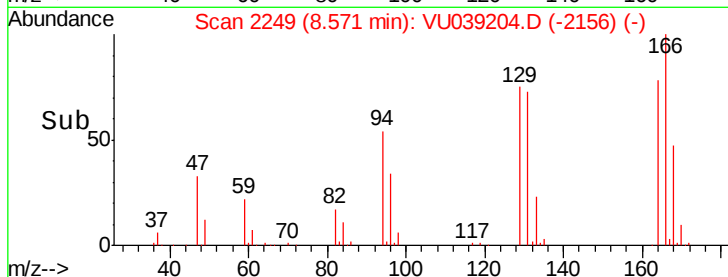
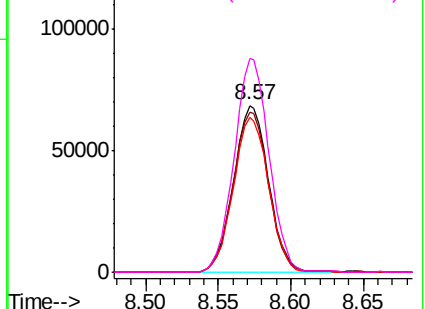


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.700 ug/L

RT: 8.70 min Scan# 2288

Delta R.T. -0.01 min

Lab File: VU039204.D

Acq: 29 Jun 2020 20:13

Tgt Ion: 43 Resp: 14859

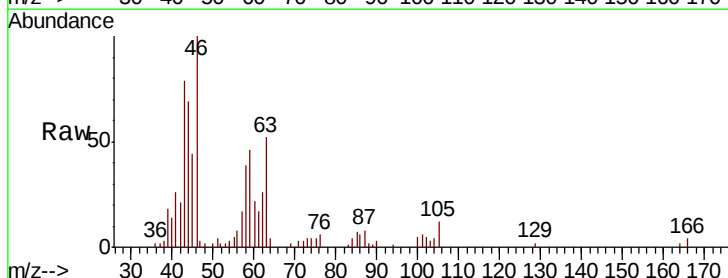
Ion Ratio Lower Upper

43 100

58 44.0 43.6 65.4

57 16.9 15.6 23.4

100 8.7 9.4 14.2#

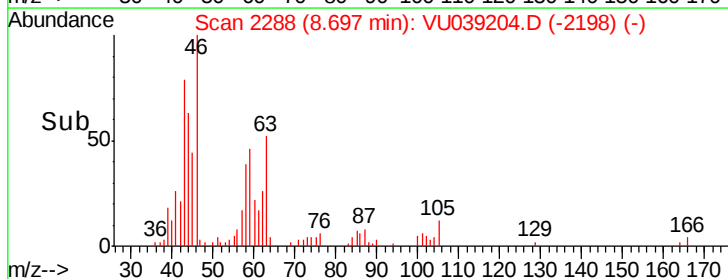
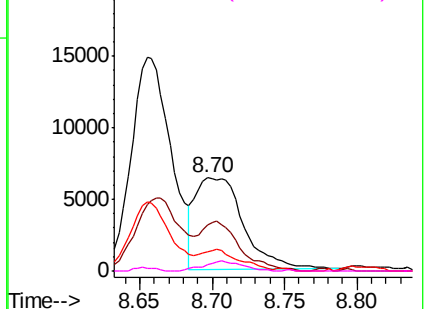


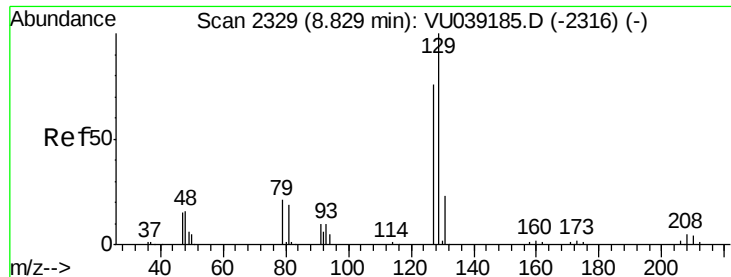
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

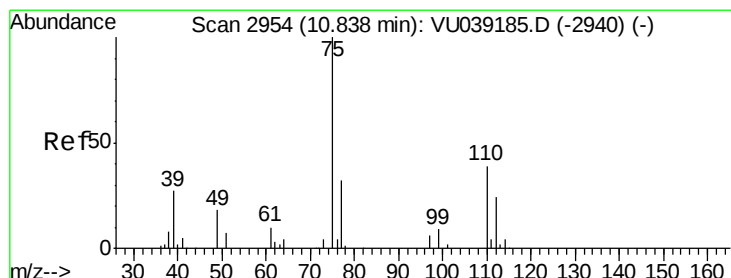
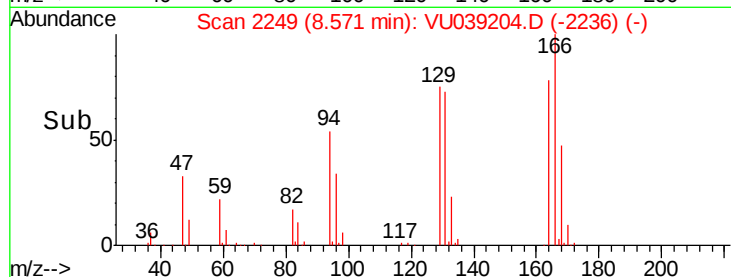
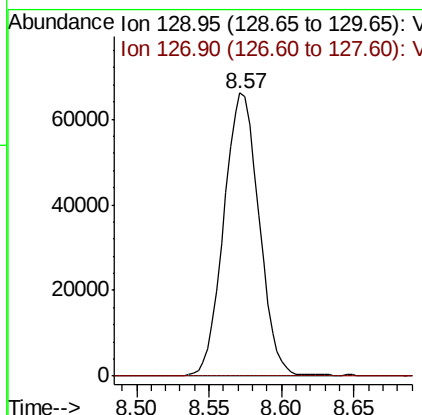
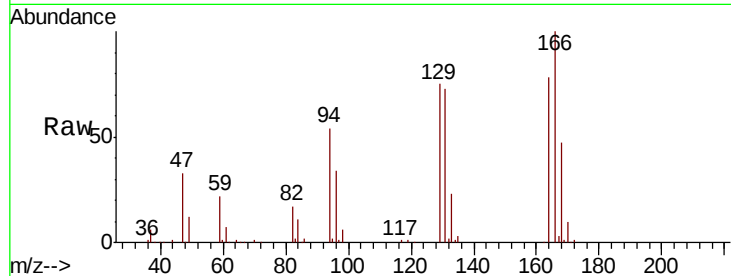




#49
 Dibromochloromethane
 Concen: 8.158 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. -0.26 min
 Lab File: VU039204.D
 Acq: 29 Jun 2020 20:13

Instrument :
 MSVOA_U
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 F9F31

Tot Ion:129 Resp: 110332
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.5 99.3#



#59
 1,2,3-Trichloropropane
 Concen: 0.811 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU039204.D
 Acq: 29 Jun 2020 20:13

Tgt Ion: 75 Resp: 9675
 Ion Ratio Lower Upper
 75 100
 77 42.7 25.6 38.4#

