

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071620\
 Data File : VU039532.D
 Acq On : 16 Jul 2020 18:23
 Operator : SY/MD
 Sample : L3292-15 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT90DL

Quant Time: Jul 17 01:11:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 17 01:06:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	91516	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	88560	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	40796	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	19811	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.93	69	24056	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.58	63	34346	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.66	46	108765	44.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.64%
24) Chloroform-d	5.08	84	48884	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.72	65	33145	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.75	84	95281	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.71	67	33344	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.91	98	83800	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	8.19	79	12338	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
46) 2-Hexanone-d5	8.64	63	76082	38.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.56%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	29992	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	32807	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

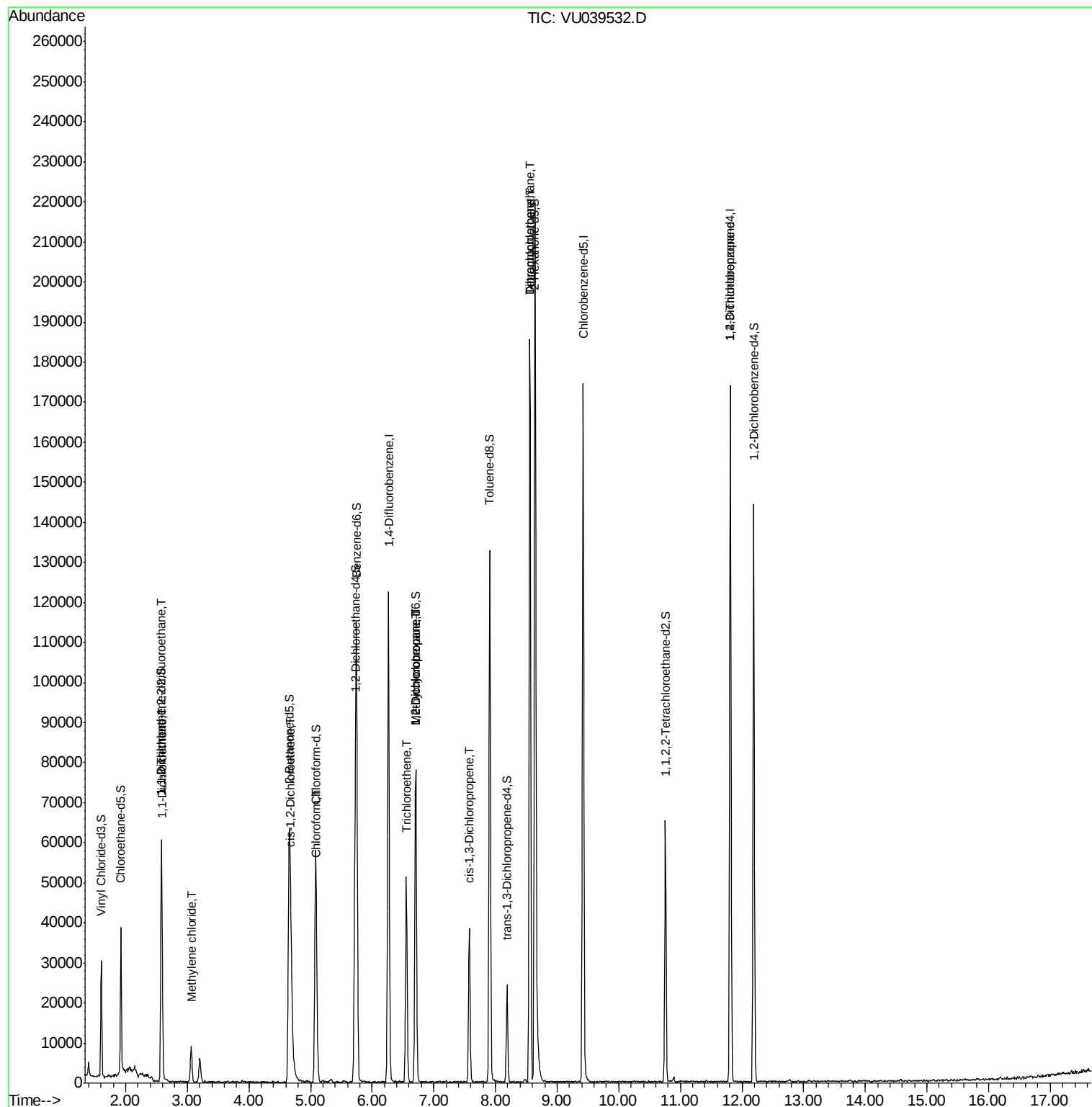
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1193	0.224	ug/L #	74
12) 1,1-Dichloroethene	2.60	96	2545	0.468	ug/L #	1
16) Methylene chloride	3.07	84	4032	0.589	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	1764	0.261	ug/L #	47
25) Chloroform	5.11	83	3953	0.332	ug/L	96
34) Trichloroethene	6.56	95	16173	2.363	ug/L	97
35) Methylcyclohexane	6.70	83	7095	0.647	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	3981	0.552	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1077	0.099	ug/L	84
47) Tetrachloroethene	8.56	164	35309	7.416	ug/L	99
49) Dibromochloromethane	8.56	129	34597	5.509	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6541	1.230	ug/L	99

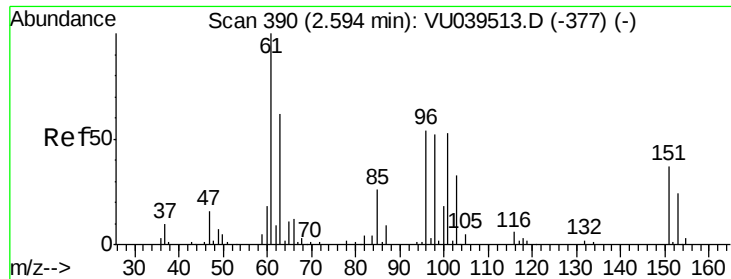
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.224 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039532.D

Acq: 16 Jul 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

BFT90DL

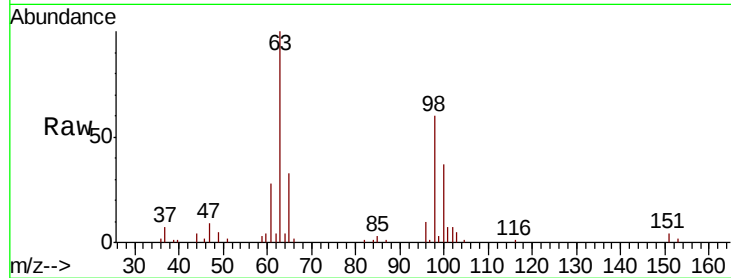
Tot Ion:101 Resp: 1193

Ion Ratio Lower Upper

101 100

85 60.6 38.9 58.3#

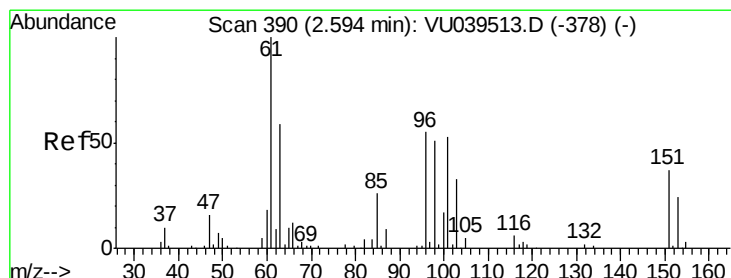
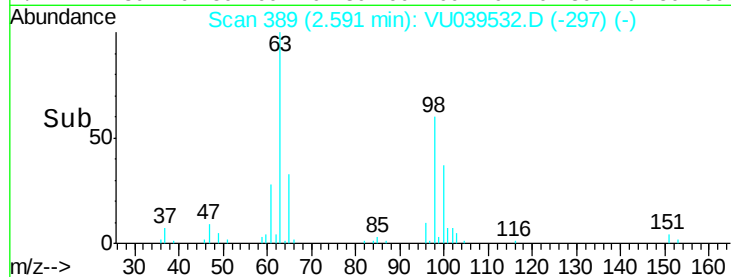
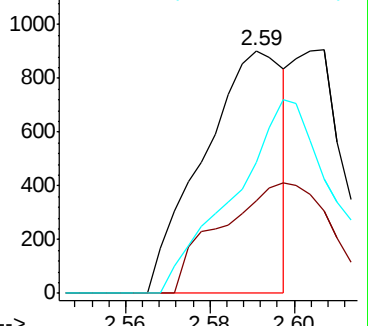
151 97.3 57.0 85.4#



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: 0.468 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039532.D

Acq: 16 Jul 2020 18:23

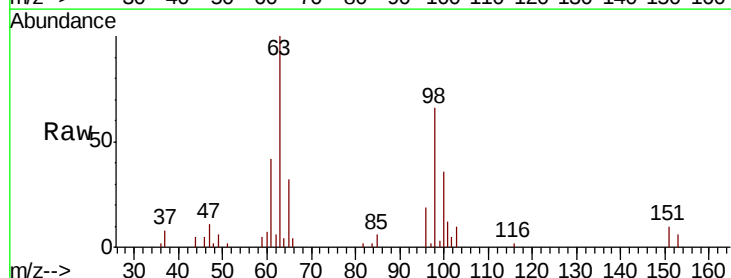
Tgt Ion: 96 Resp: 2545

Ion Ratio Lower Upper

96 100

61 222.3 125.4 232.8

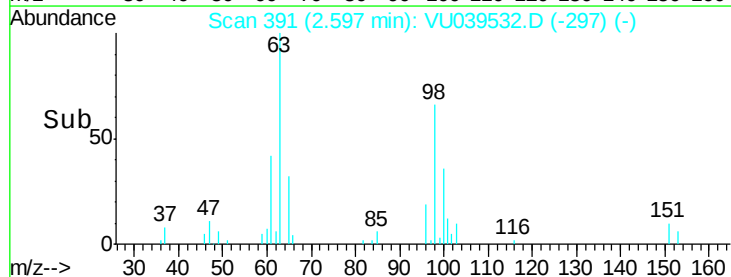
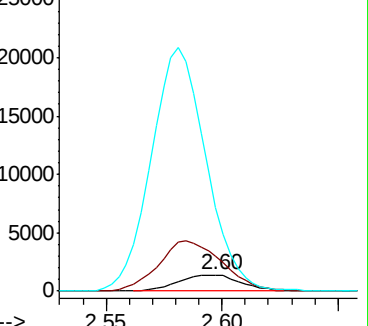
63 527.8 92.7 172.3#

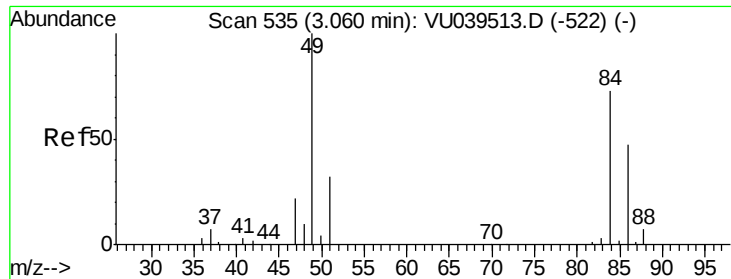


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

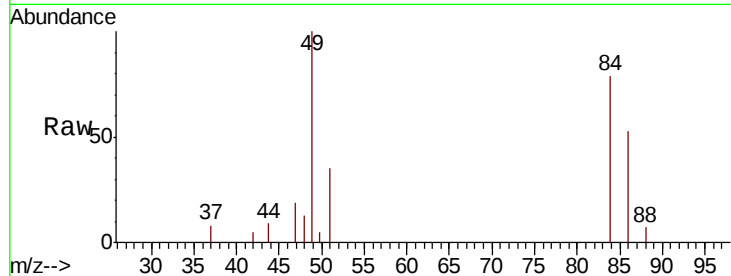




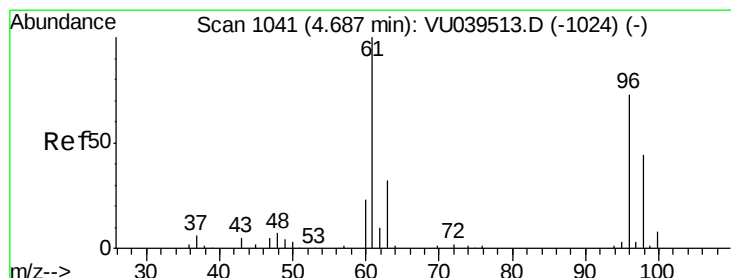
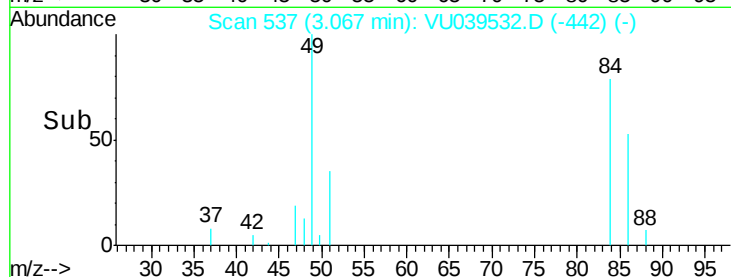
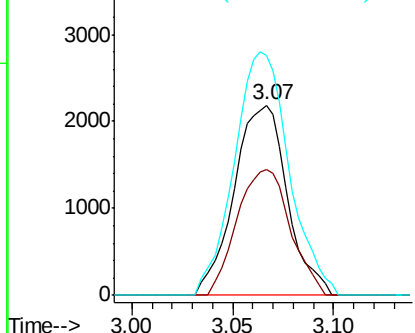
#16
Methylene chloride
Concen: 0.589 ug/L
RT: 3.07 min Scan# 537
Delta R.T. 0.01 min
Lab File: VU039532.D
Acq: 16 Jul 2020 18:23

Instrument :
MSVOA_U
ClientSampled :
BFT90DL

Tot Ion: 84 Resp: 4032
Ion Ratio Lower Upper
84 100
86 66.4 43.5 80.9
49 132.5 91.1 169.1

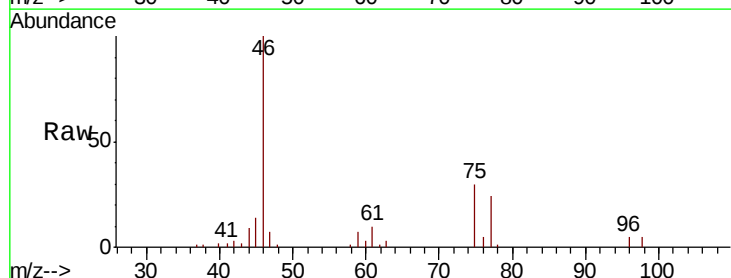


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

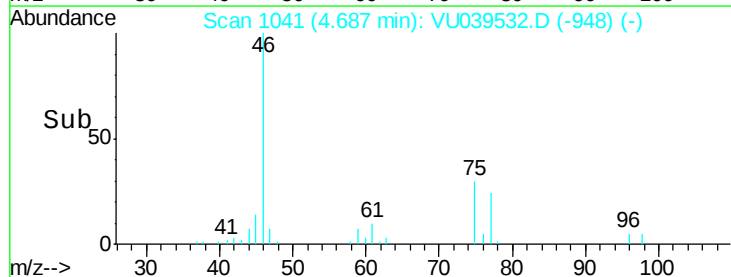
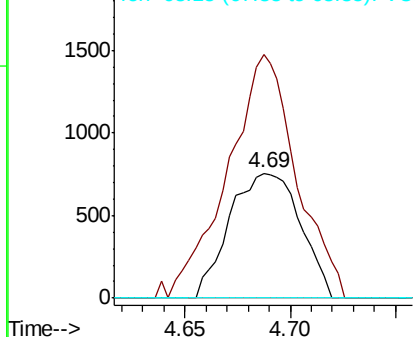


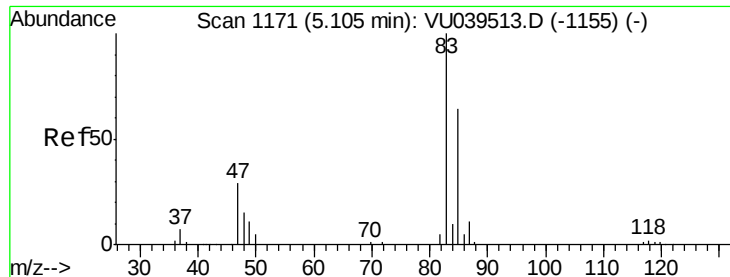
#22
cis-1,2-Dichloroethene
Concen: 0.261 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VU039532.D
Acq: 16 Jul 2020 18:23

Tgt Ion: 96 Resp: 1764
Ion Ratio Lower Upper
96 100
61 195.1 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

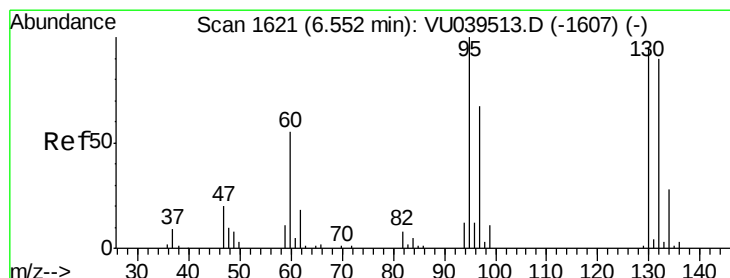
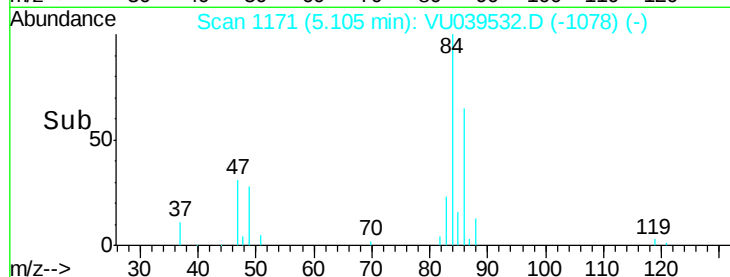
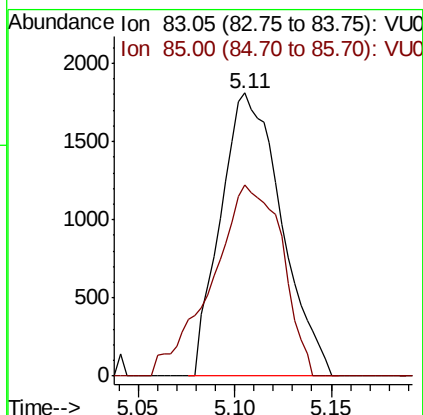
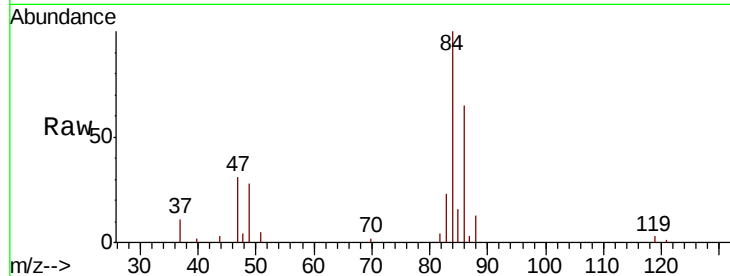




#25
Chloroform
Concen: 0.332 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039532.D
Acq: 16 Jul 2020 18:23

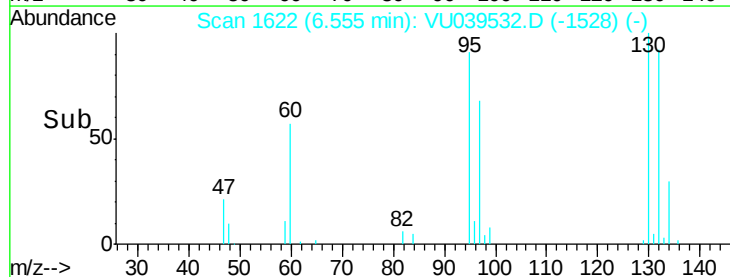
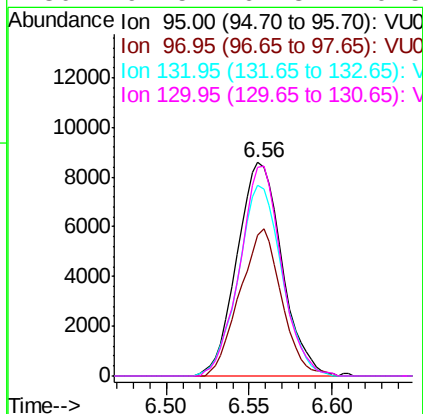
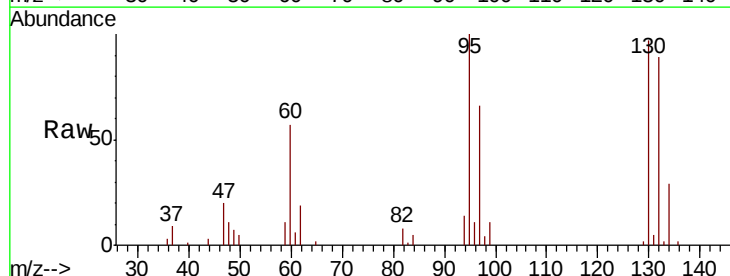
Instrument :
MSVOA_U
ClientSampleId :
BFT90DL

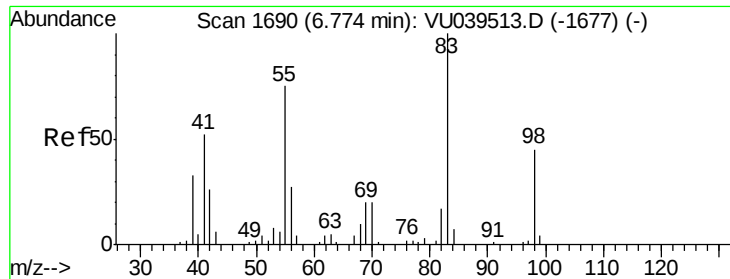
Tot Ion: 83 Resp: 3953
Ion Ratio Lower Upper
83 100
85 67.7 44.9 83.5



#34
Trichloroethene
Concen: 2.363 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU039532.D
Acq: 16 Jul 2020 18:23

Tgt Ion: 95 Resp: 16173
Ion Ratio Lower Upper
95 100
97 66.0 46.3 85.9
132 89.4 64.0 118.8
130 97.5 64.3 119.5

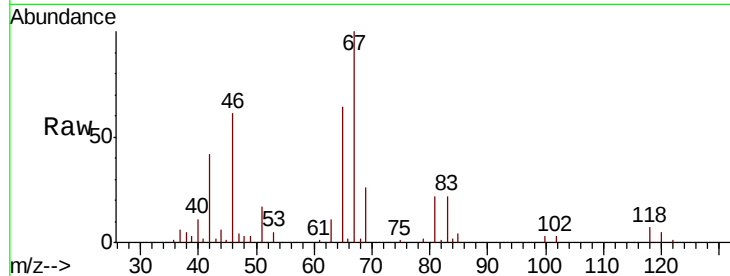




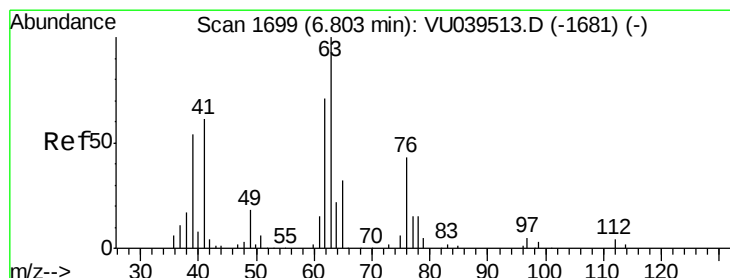
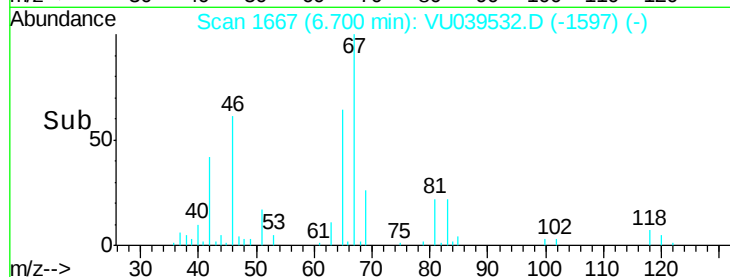
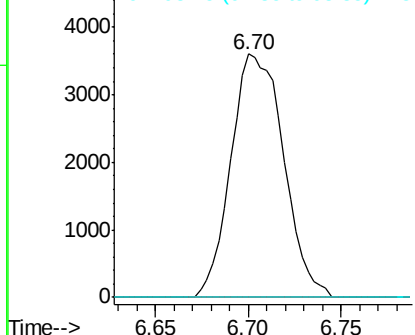
#35
Methvlcvclohexane
Concen: 0.647 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU039532.D
Acq: 16 Jul 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :
BFT90DL

Tot Ion: 83 Resp: 7095
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 35.9 53.9#

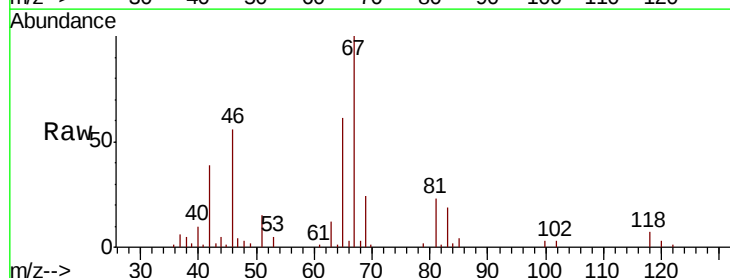


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

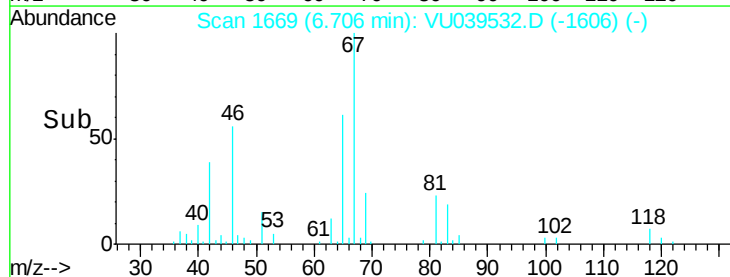
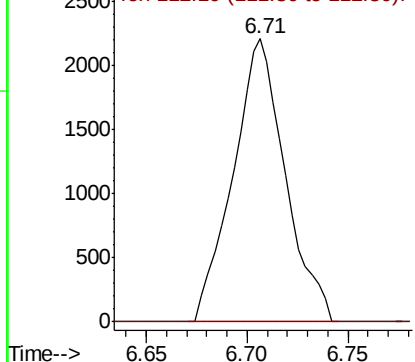


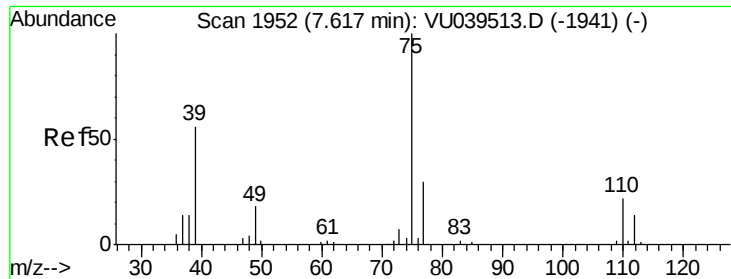
#37
1,2-Dichloropropane
Concen: 0.552 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039532.D
Acq: 16 Jul 2020 18:23

Tgt Ion: 63 Resp: 3981
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

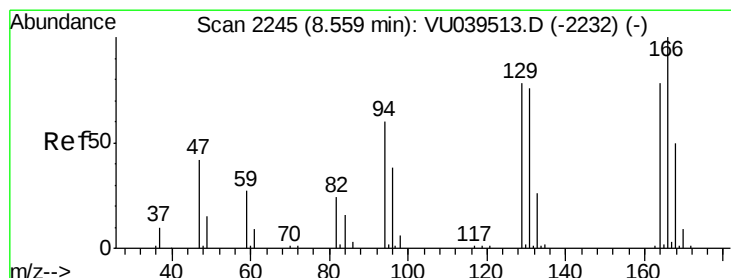
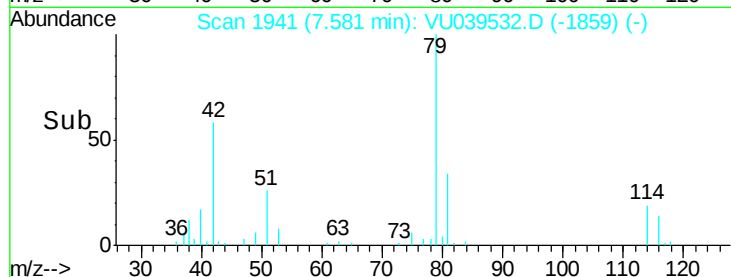
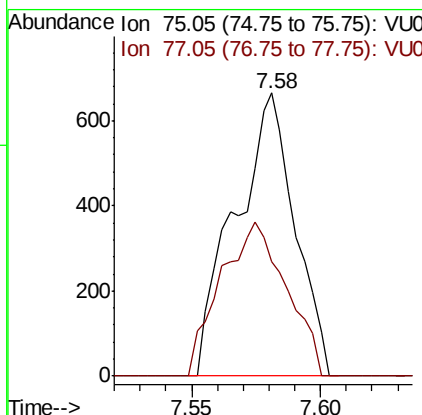
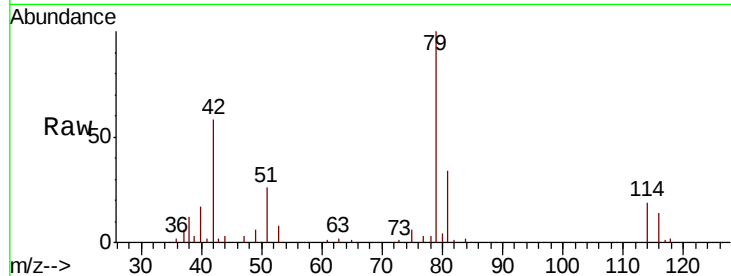




#39
 cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.58 min Scan# 1941
 Delta R.T. -0.04 min
 Lab File: VU039532.D
 Acq: 16 Jul 2020 18:23

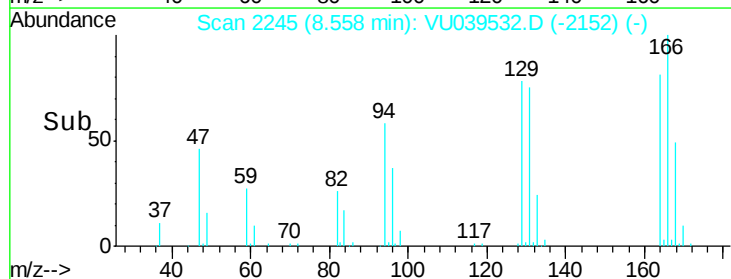
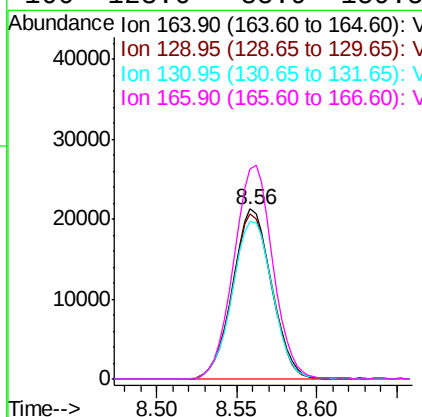
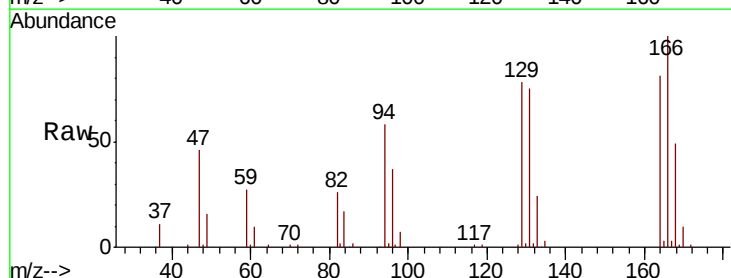
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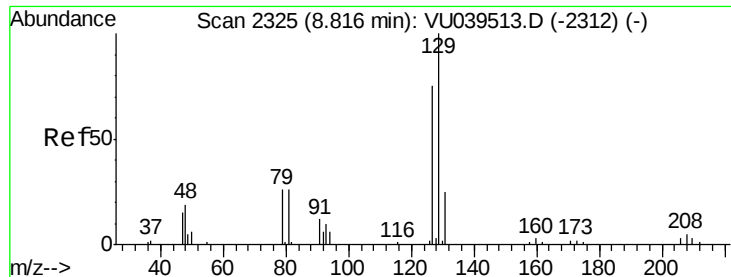
Tot Ion: 75 Resp: 1077
 Ion Ratio Lower Upper
 75 100
 77 40.6 22.3 41.3



#47
 Tetrachloroethene
 Concen: 7.416 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039532.D
 Acq: 16 Jul 2020 18:23

Tgt Ion: 164 Resp: 35309
 Ion Ratio Lower Upper
 164 100
 129 97.0 68.6 127.4
 131 92.5 66.4 123.4
 166 123.6 85.9 159.5





#49

Dibromochloromethane

Concen: 5.509 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039532.D

Acq: 16 Jul 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

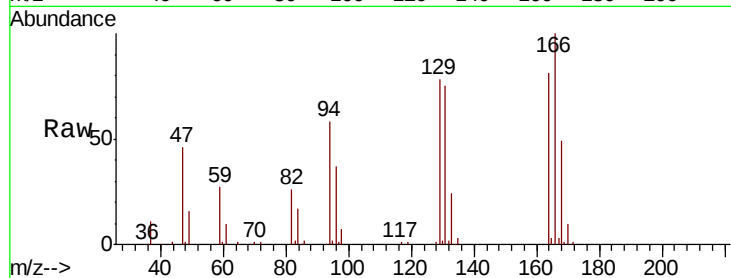
BFT90DL

Tot Ion:129 Resp: 34597

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

8.56

20000

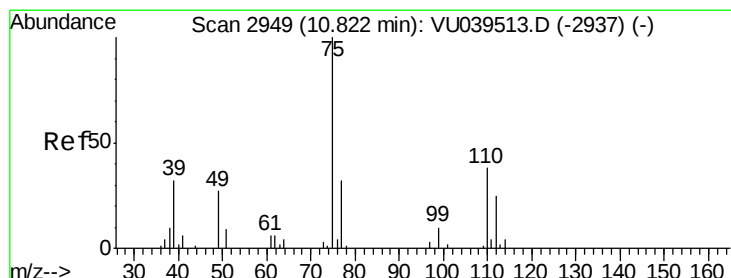
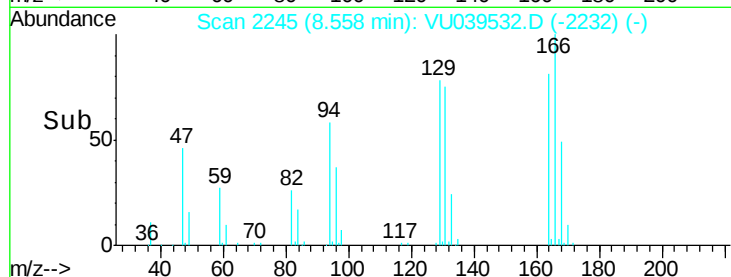
15000

10000

5000

0

Time--> 8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 1.230 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039532.D

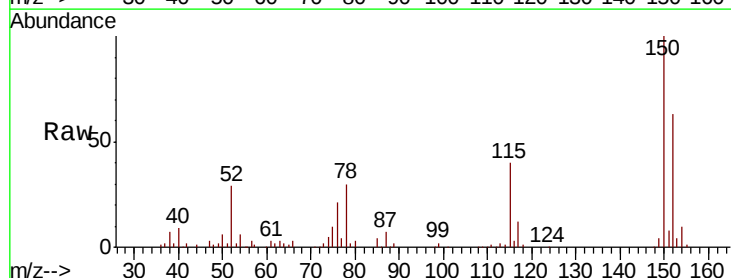
Acq: 16 Jul 2020 18:23

Tgt Ion: 75 Resp: 6541

Ion Ratio Lower Upper

75 100

77 33.9 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

4000

3000

2000

1000

0

Time--> 11.75 11.80 11.85

