

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041746.D
 Acq On : 22 Dec 2020 17:13
 Operator : SY/MD
 Sample : L5162-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Quant Time: Dec 23 05:09:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 05:08:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	129691	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124251	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53792	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41532	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.92	69	40992	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.58	63	66420	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.66	46	136669	46.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.86%
24) Chloroform-d	5.08	84	80321	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.72	65	46655	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.74	84	157376	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.70	67	51131	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.90	98	126008	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.40%
43) trans-1,3-Dichloropropene-	8.19	79	19600	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.64	63	123084	44.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.78%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48202	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	48763	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

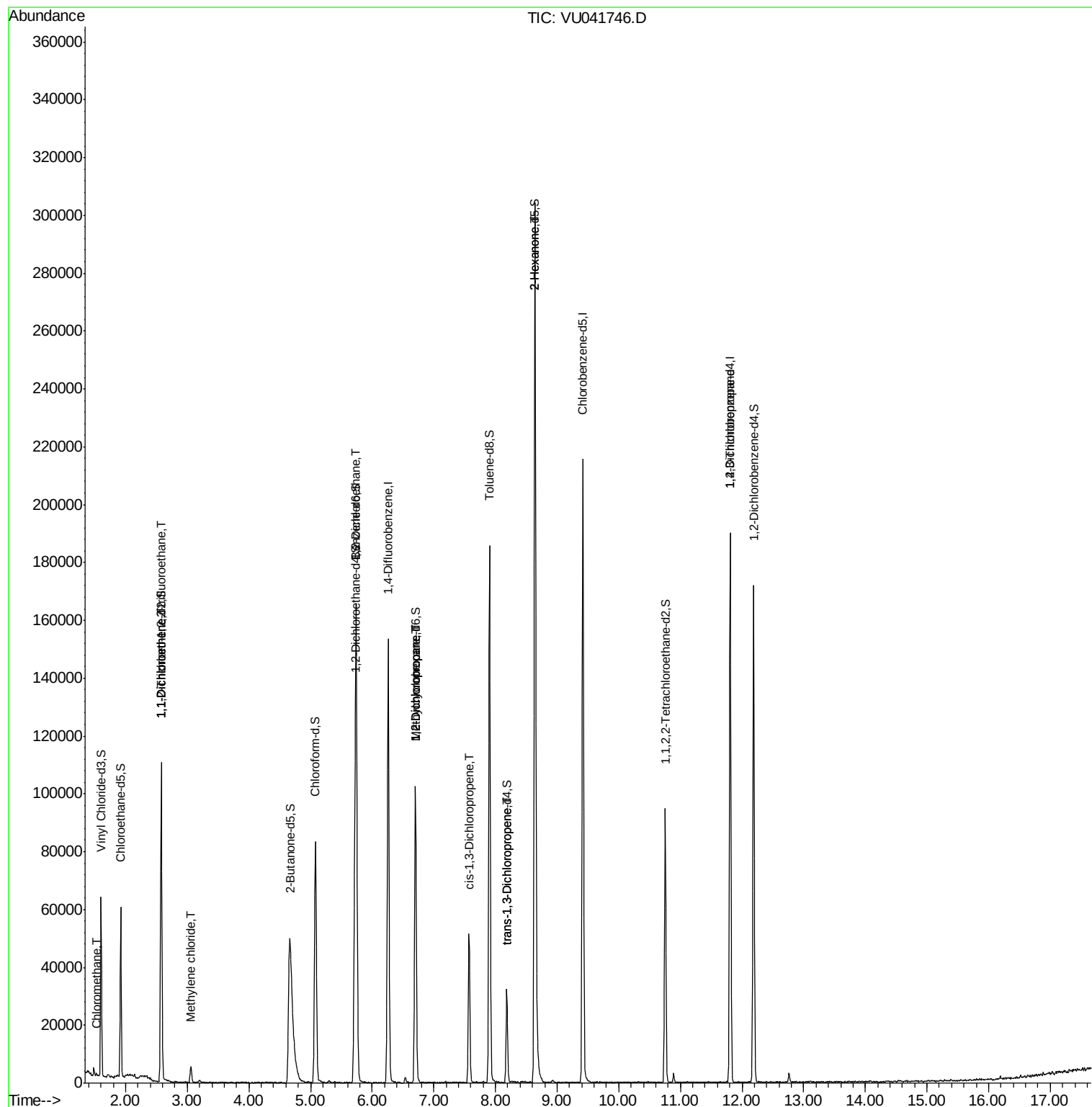
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	489	0.046	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	747	0.084	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	600	0.068	ug/L #	1
16) Methylene chloride	3.06	84	2893	0.275	ug/L	84
27) 1,2-Dichloroethane	5.74	62	820	0.071	ug/L #	73
35) Methylcyclohexane	6.70	83	12034	0.746	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5360	0.527	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1030	0.068	ug/L #	25
44) trans-1,3-Dichloropropene	8.19	75	728	0.054	ug/L	91
48) 2-Hexanone	8.64	43	14769	2.806	ug/L #	62
59) 1,2,3-Trichloropropane	11.81	75	5983	0.784	ug/L	94

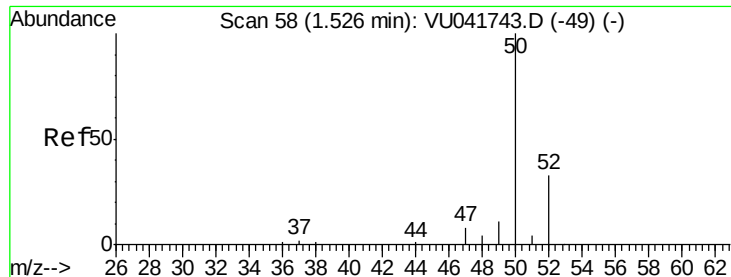
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.046 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041746.D

Acq: 22 Dec 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

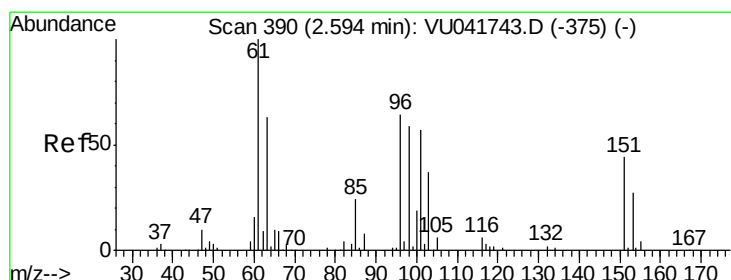
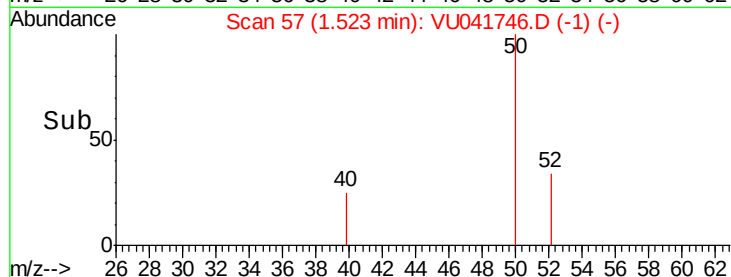
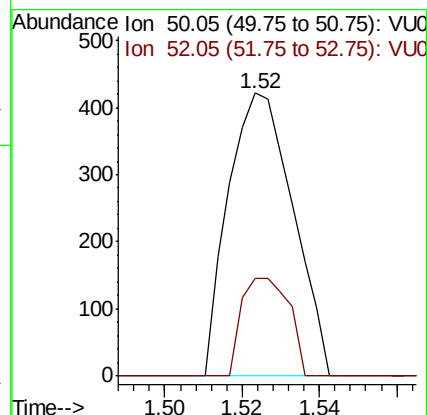
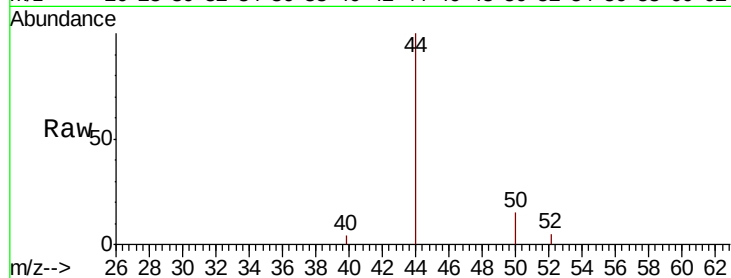
VHBLK01

Tot Ion: 50 Resp: 489

Ion Ratio Lower Upper

50 100

52 34.4 24.1 44.8



#10

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

Concen: 0.084 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041746.D

Acq: 22 Dec 2020 17:13

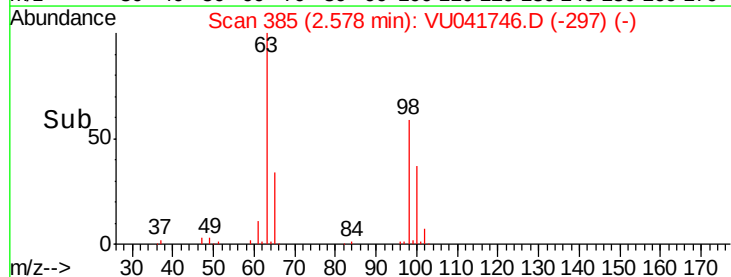
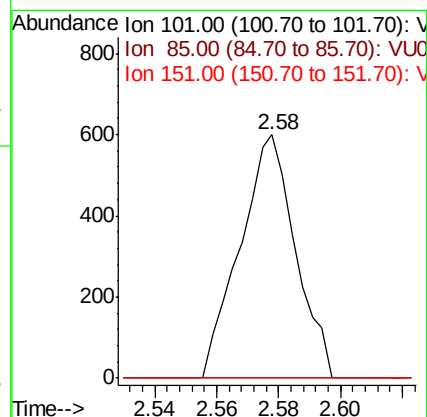
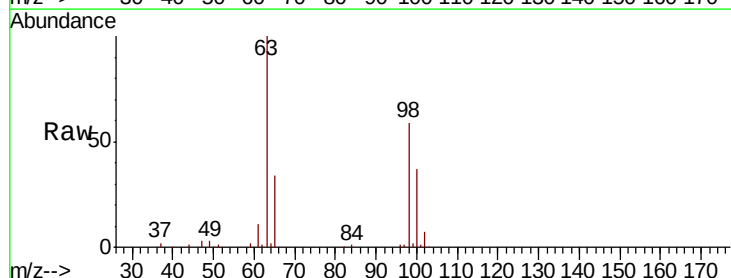
Tgt Ion: 101 Resp: 747

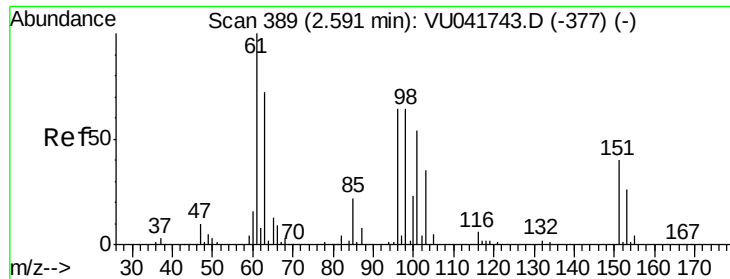
Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#

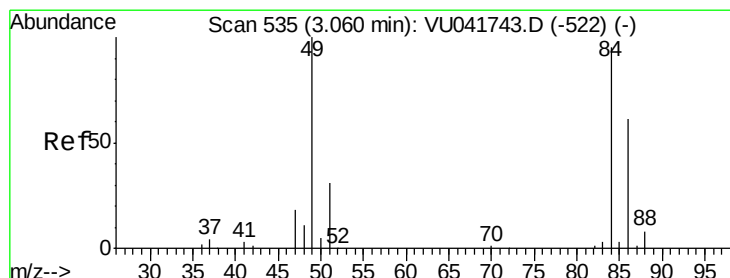
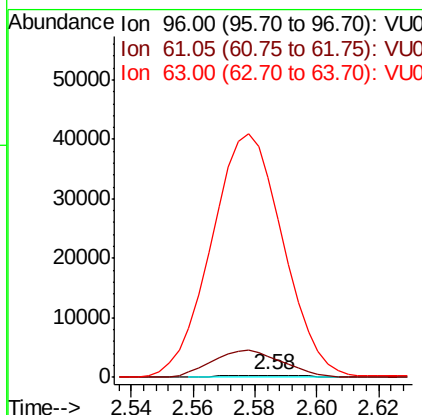
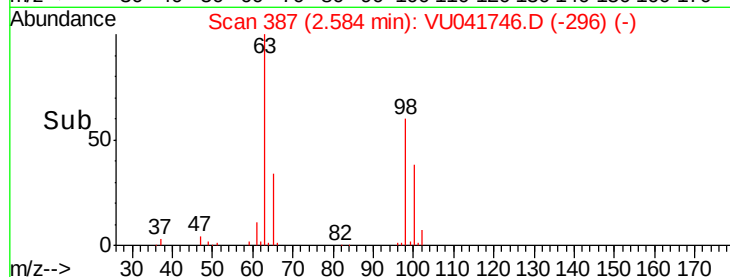
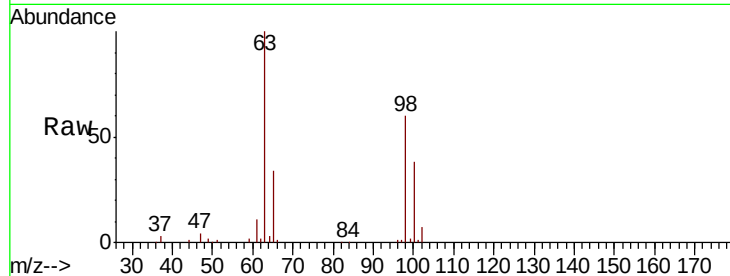




#12
 1,1-Dichloroethene
 Concen: 0.068 ug/L
 RT: 2.58 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VU041746.D
 Acq: 22 Dec 2020 17:13

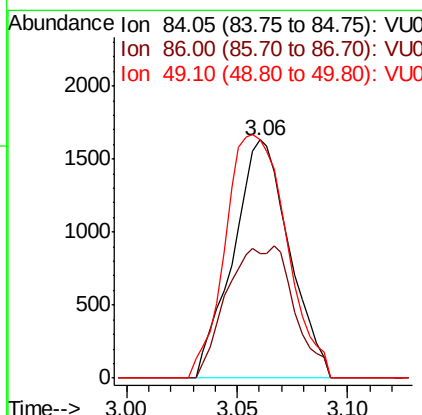
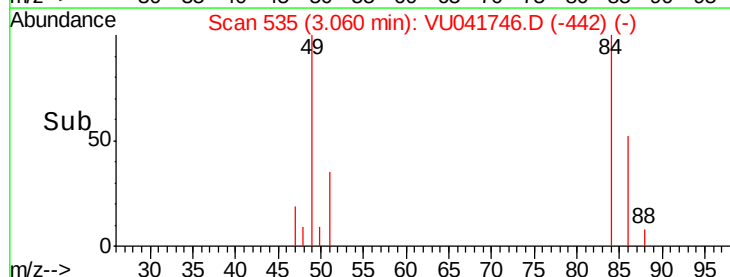
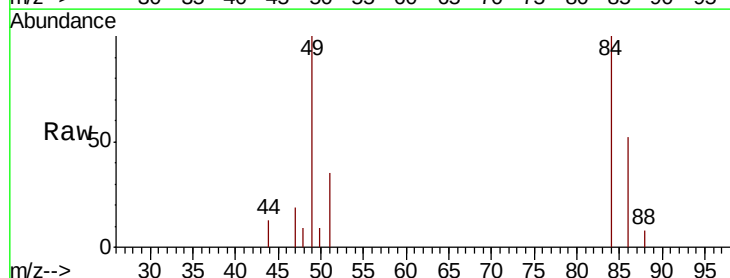
Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

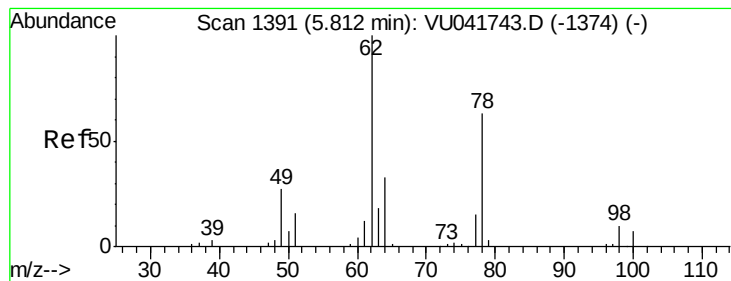
Tot Ion: 96 Resp: 600
 Ion Ratio Lower Upper
 96 100
 61 960.9 123.8 230.0#
 63 8951.1 81.0 150.4#



#16
 Methylene chloride
 Concen: 0.275 ug/L
 RT: 3.06 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VU041746.D
 Acq: 22 Dec 2020 17:13

Tgt Ion: 84 Resp: 2893
 Ion Ratio Lower Upper
 84 100
 86 52.5 45.1 83.7
 49 100.2 83.1 154.3





#27

1,2-Dichloroethane

Concen: 0.071 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.07 min

Lab File: VU041746.D

Acq: 22 Dec 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

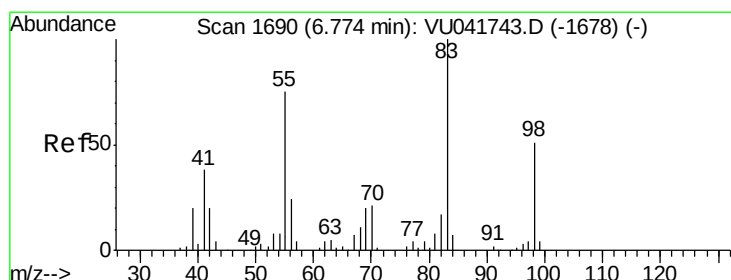
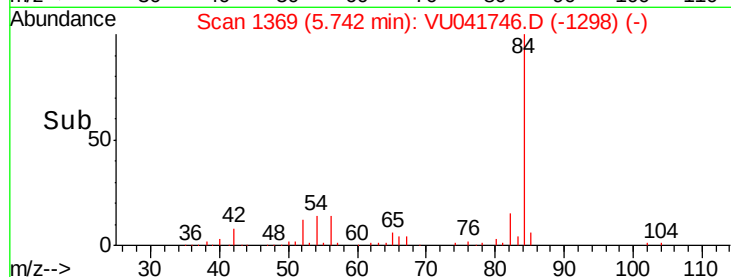
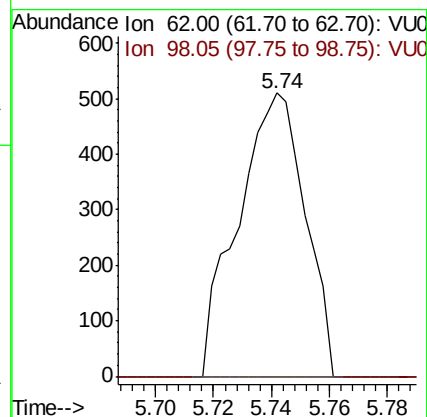
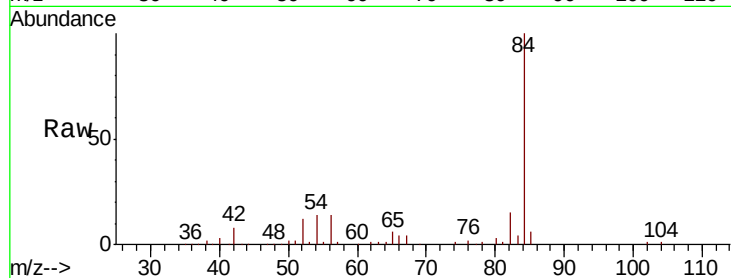
VHBLK01

Tot Ion: 62 Resp: 820

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#



#35

Methylcyclohexane

Concen: 0.746 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041746.D

Acq: 22 Dec 2020 17:13

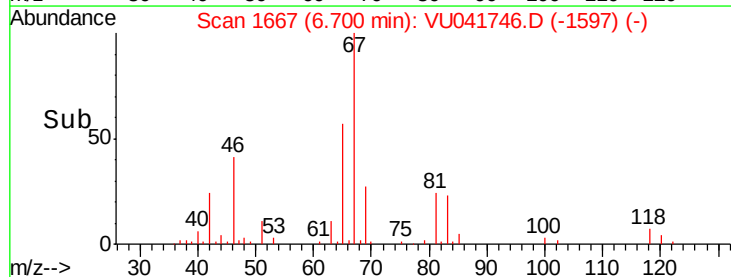
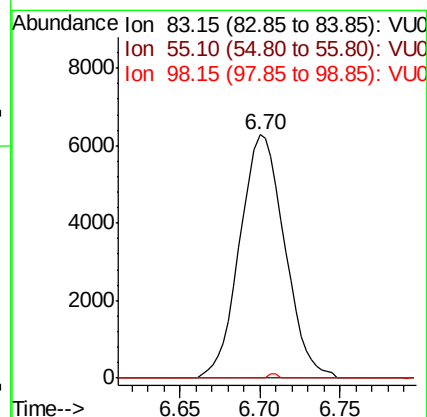
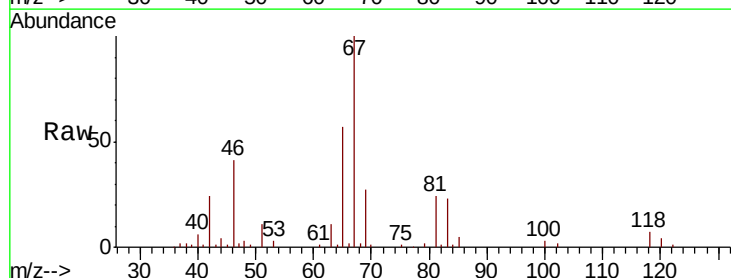
Tgt Ion: 83 Resp: 12034

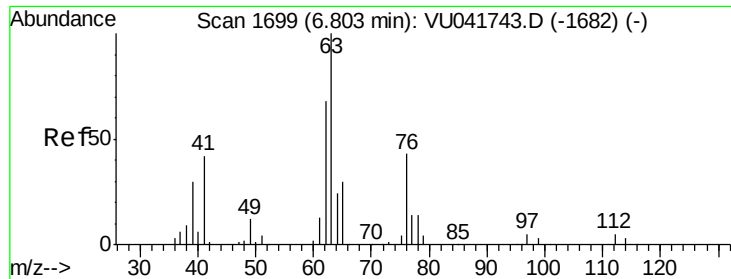
Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

98 0.3 36.6 54.8#

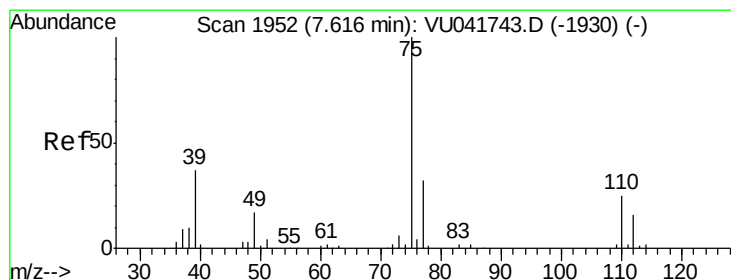
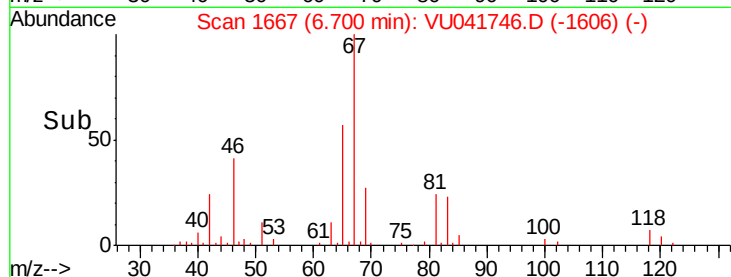
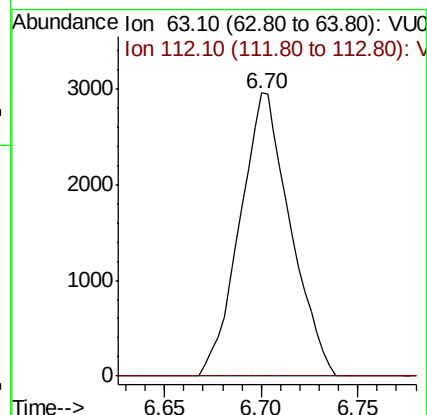
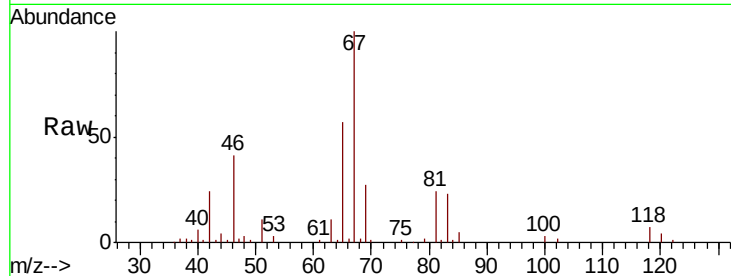




#37
 1,2-Dichloropropane
 Concen: 0.527 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041746.D
 Acq: 22 Dec 2020 17:13

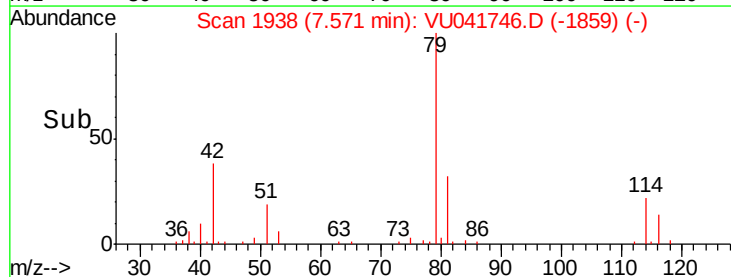
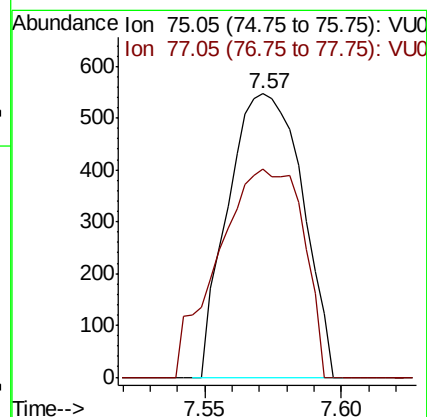
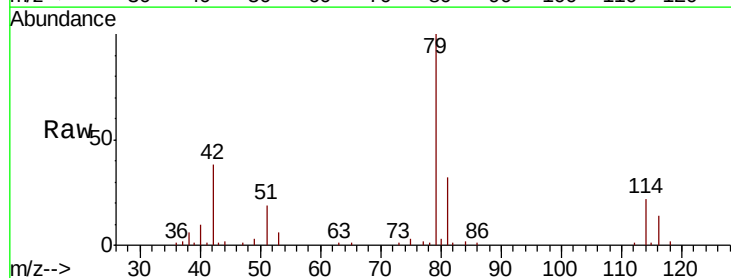
Instrument :
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 ClientSampleId :
 VHBLK01

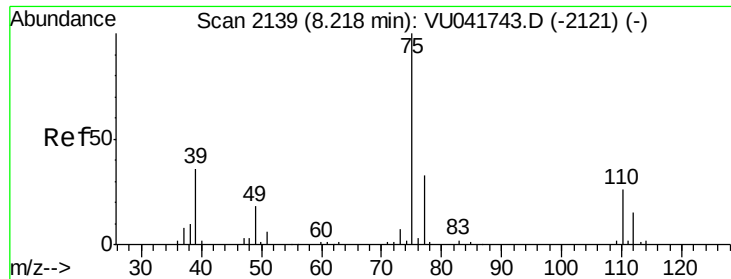
Tot Ion: 63 Resp: 5360
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.068 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041746.D
 Acq: 22 Dec 2020 17:13

Tgt Ion: 75 Resp: 1030
 Ion Ratio Lower Upper
 75 100
 77 73.5 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.054 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041746.D

Acq: 22 Dec 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

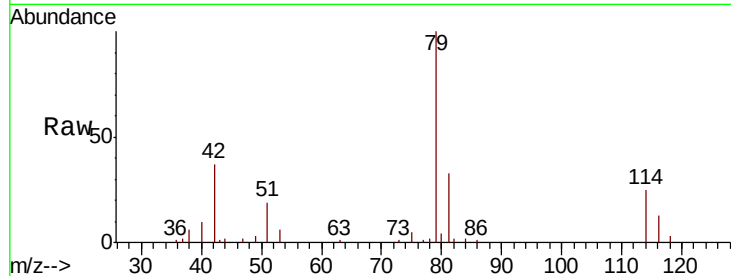
VHBLK01

Tot Ion: 75 Resp: 728

Ion Ratio Lower Upper

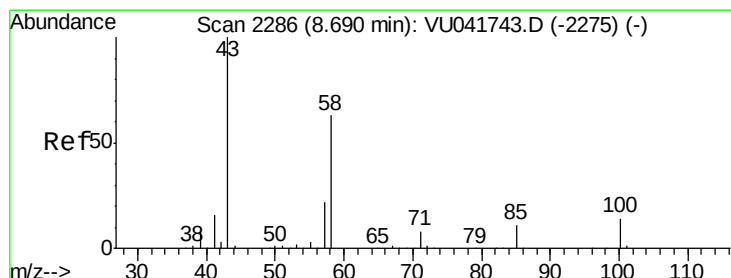
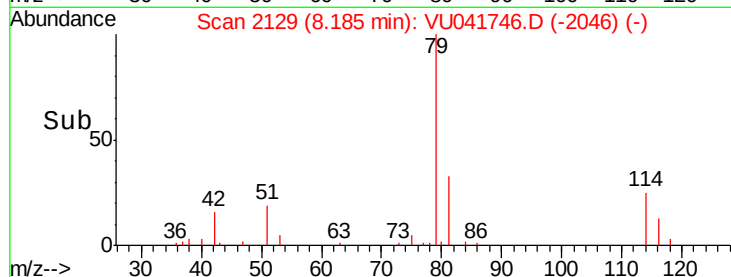
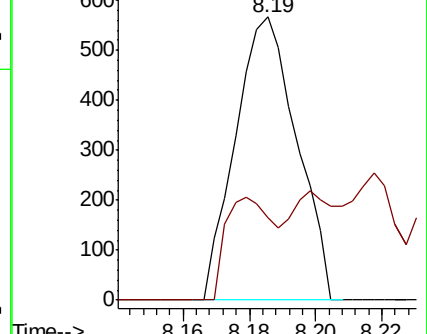
75 100

77 29.1 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 2.806 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041746.D

Acq: 22 Dec 2020 17:13

Tgt Ion: 43 Resp: 14769

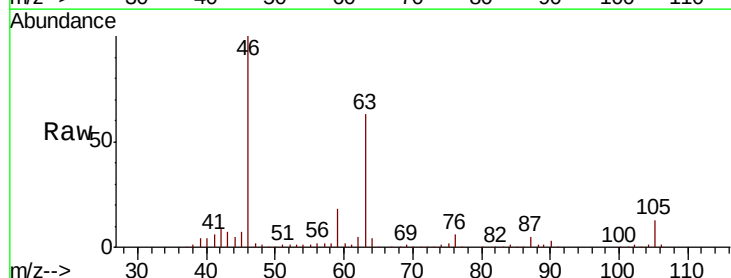
Ion Ratio Lower Upper

43 100

58 27.7 47.9 71.9#

57 34.9 16.5 24.7#

100 1.3 9.4 14.2#

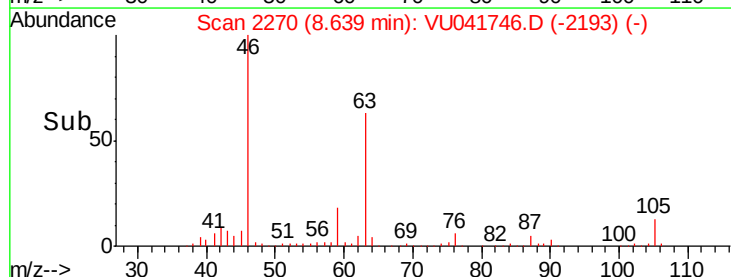
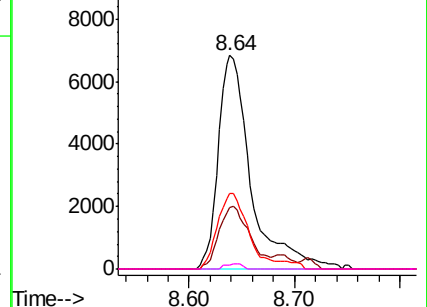


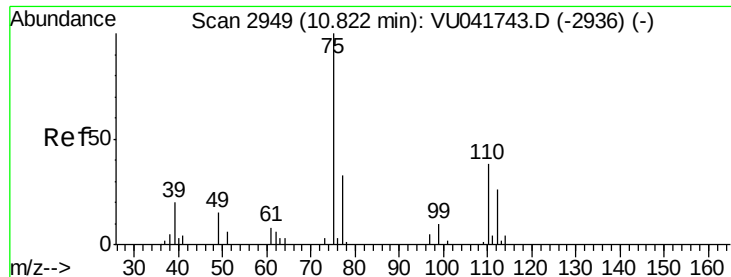
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#59

1,2,3-Trichloropropane

Concen: 0.784 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041746.D

Acq: 22 Dec 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

Tot Ion: 75 Resp: 5983

Ion Ratio Lower Upper

75 100

77 36.1 26.2 39.2

