

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041351.D
 Acq On : 19 Nov 2020 18:24
 Operator : SY/MD
 Sample : L4790-15DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4399DL

Quant Time: Nov 20 05:59:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 20 05:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	59820	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	61362	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23904	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	13980	3.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.60%
7) Chloroethane-d5	1.92	69	14279	3.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.80%
11) 1,1-Dichloroethene-d2	2.58	63	22875	2.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.40%#
20) 2-Butanone-d5	4.66	46	92243	50.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.68%
24) Chloroform-d	5.08	84	43272	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.72	65	26468	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
32) Benzene-d6	5.74	84	66429	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.40%
36) 1,2-Dichloropropane-d6	6.70	67	24639	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	7.91	98	48961	3.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	62.80%#
43) trans-1,3-Dichloropropene-	8.19	79	9871	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.64	63	58959	44.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.98%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25549	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	22141	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	374	0.070	ug/L	94
5) Vinyl chloride	1.61	62	23798	4.583	ug/L	98
8) Chloroethane	1.94	64	442	0.128	ug/L #	56
12) 1,1-Dichloroethene	2.59	96	309	0.079	ug/L #	1
15) Methyl Acetate	2.69	43	265	0.106	ug/L #	53
16) Methylene chloride	3.06	84	1277	0.262	ug/L #	88
18) trans-1,2-Dichloroethene	3.37	96	1623	0.428	ug/L	92
19) 1,1-Dichloroethane	3.89	63	1185	0.140	ug/L #	79
21) 2-Butanone	4.83	43	29133	15.943	ug/L #	52
22) cis-1,2-Dichloroethene	4.68	96	7761	1.812	ug/L	98
27) 1,2-Dichloroethane	5.74	62	384	0.058	ug/L #	74
33) Benzene	5.79	78	642	0.039	ug/L	100
34) Trichloroethene	6.56	95	561	0.125	ug/L	85
35) Methylcyclohexane	6.70	83	5799	0.971	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3077	0.633	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	523	0.077	ug/L	83
44) trans-1,3-Dichloropropene	8.18	75	334	0.052	ug/L #	73

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 20 05:56:10 2020
Response via : Initial Calibration

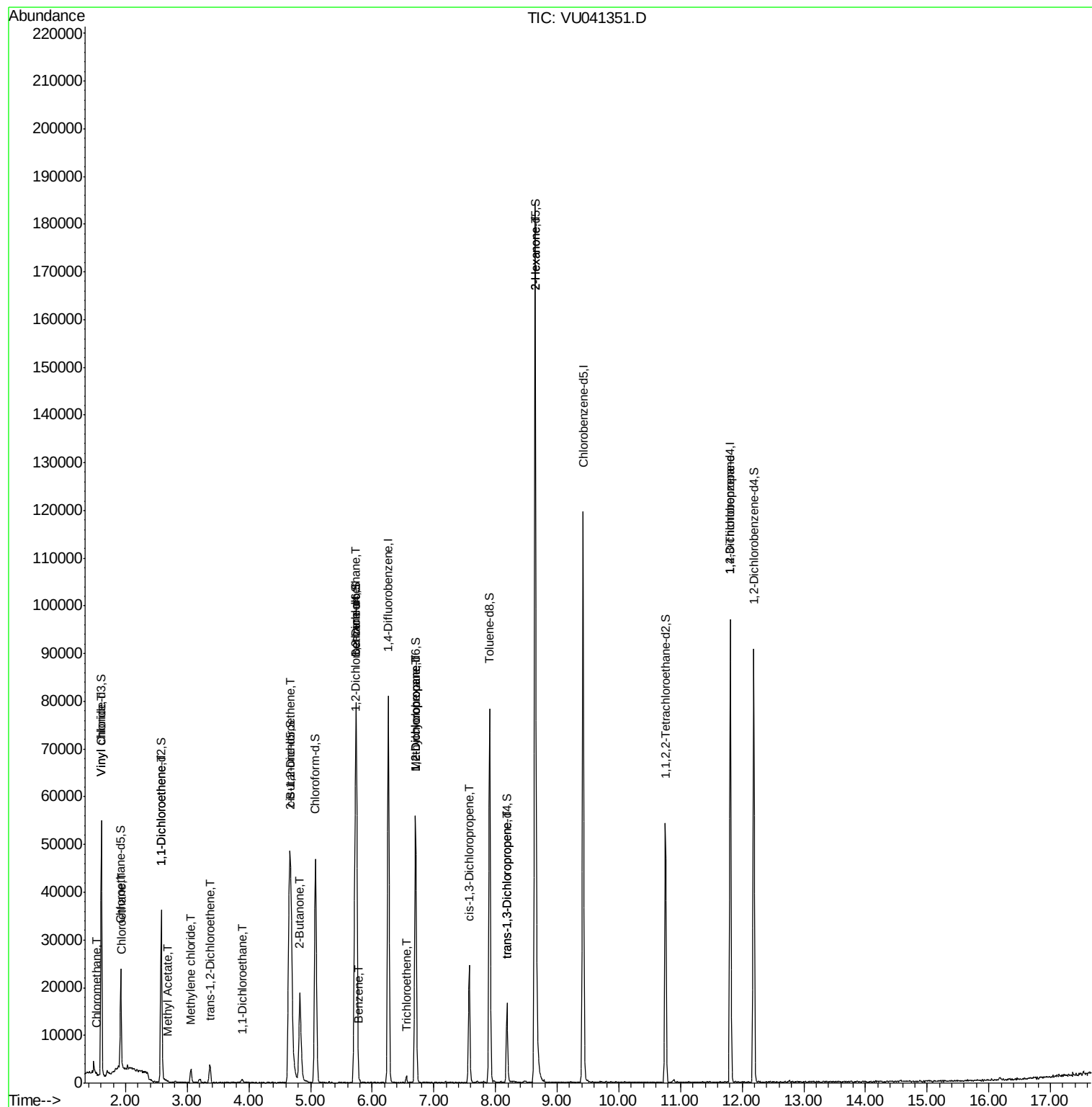
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.64	43	9339	3.110	ug/L #	80
59) 1,2,3-Trichloropropane	11.81	75	3267	0.852	ug/L #	80

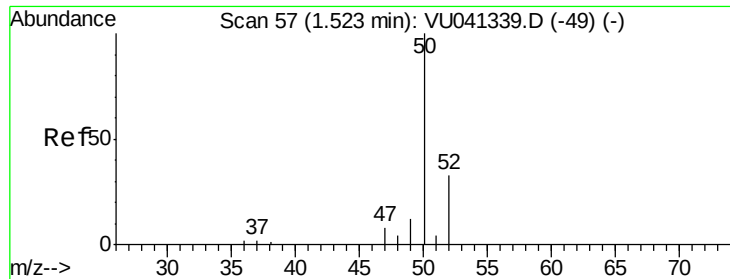
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.070 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041351.D

Acq: 19 Nov 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

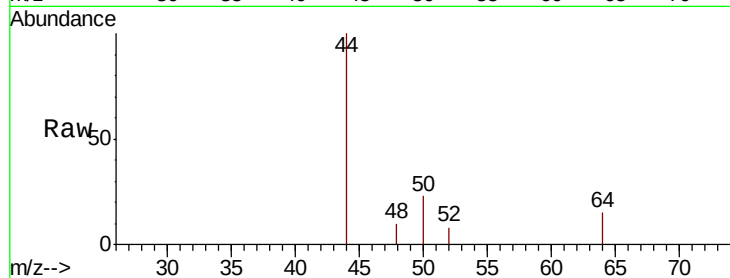
H4399DL

Tot Ion: 50 Resp: 374

Ion Ratio Lower Upper

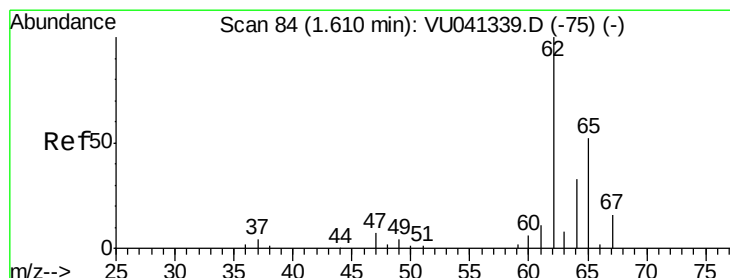
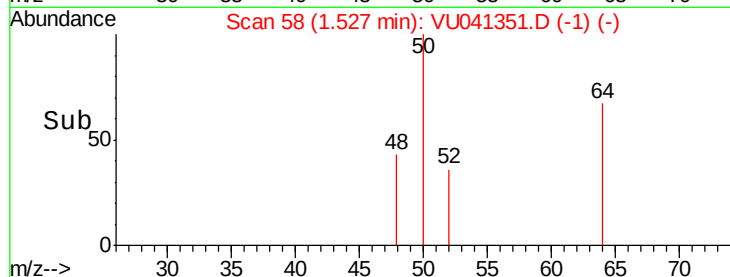
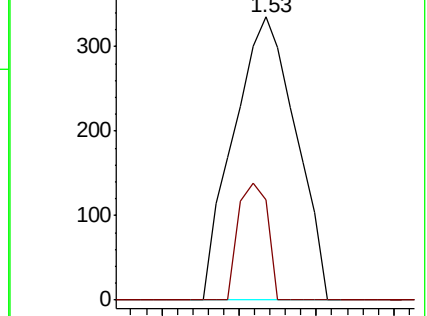
50 100

52 35.5 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 4.583 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041351.D

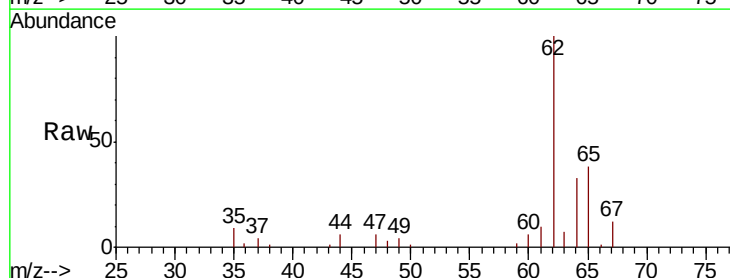
Acq: 19 Nov 2020 18:24

Tgt Ion: 62 Resp: 23798

Ion Ratio Lower Upper

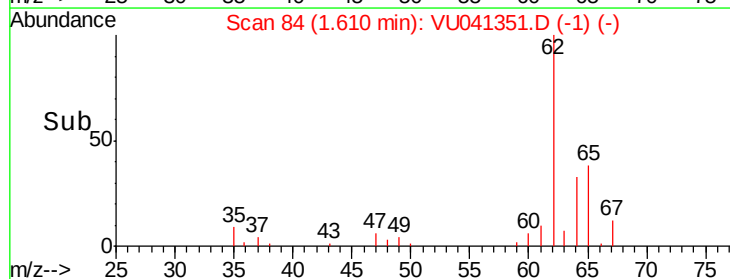
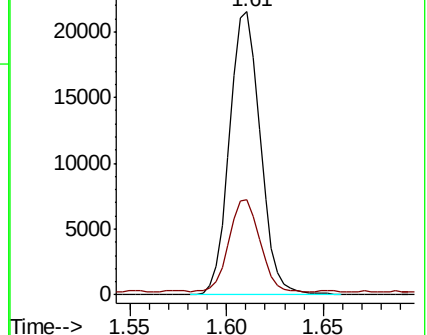
62 100

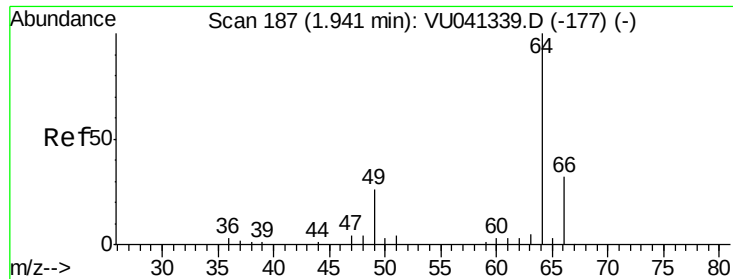
64 33.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

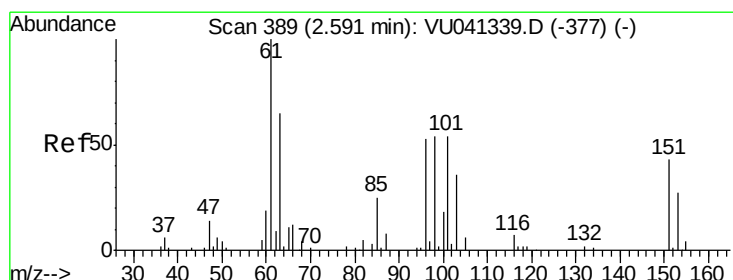
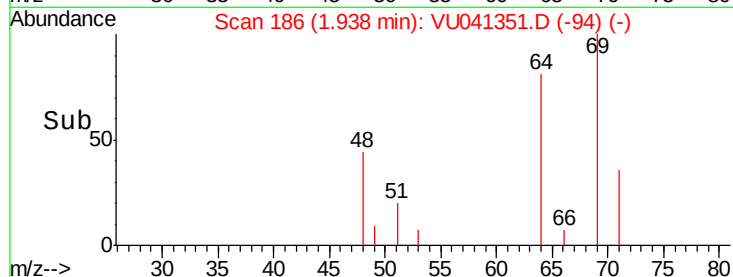
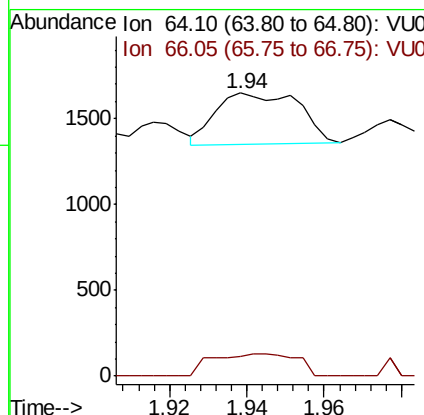
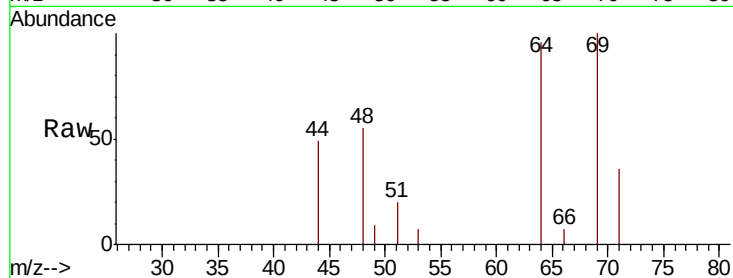




#8
Chloroethane
Concen: 0.128 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU041351.D
Acq: 19 Nov 2020 18:24

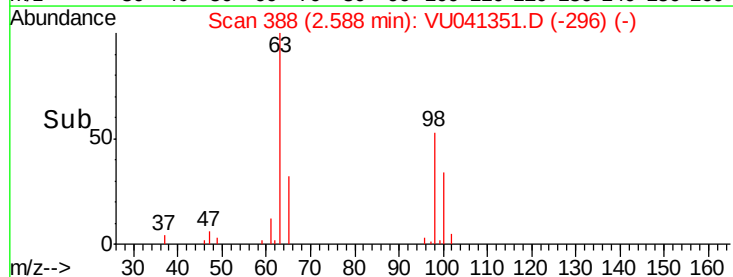
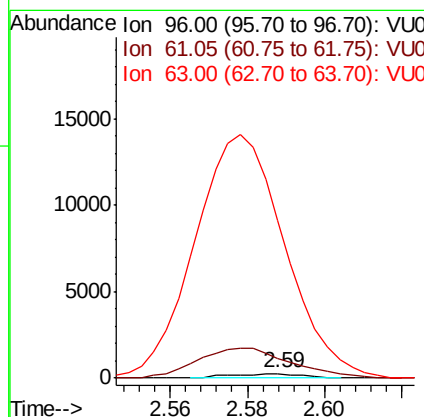
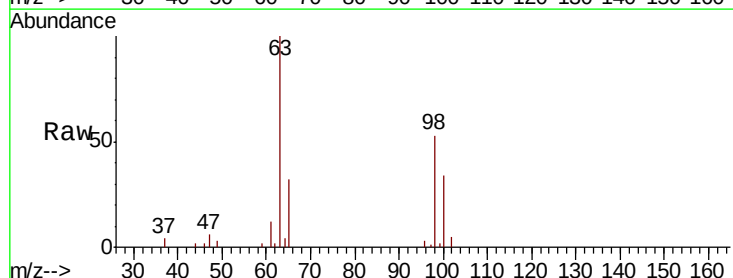
Instrument :
MSVOA_U
ClientSampleID :
H4399DL

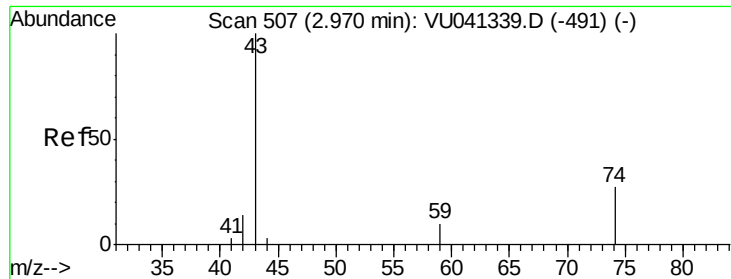
Tot Ion: 64 Resp: 442
Ion Ratio Lower Upper
64 100
66 7.2 22.3 41.5#



#12
1,1-Dichloroethene
Concen: 0.079 ug/L
RT: 2.59 min Scan# 388
Delta R.T. -0.00 min
Lab File: VU041351.D
Acq: 19 Nov 2020 18:24

Tgt Ion: 96 Resp: 309
Ion Ratio Lower Upper
96 100
61 451.0 134.3 249.5#
63 3685.0 95.0 176.4#

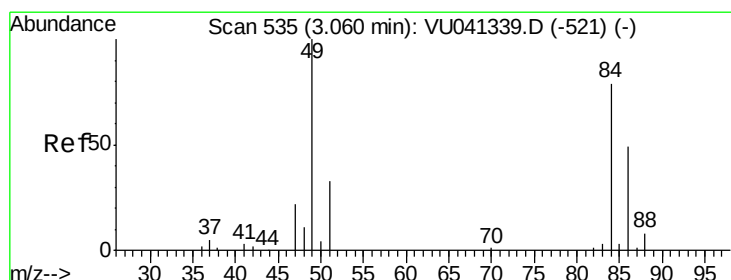
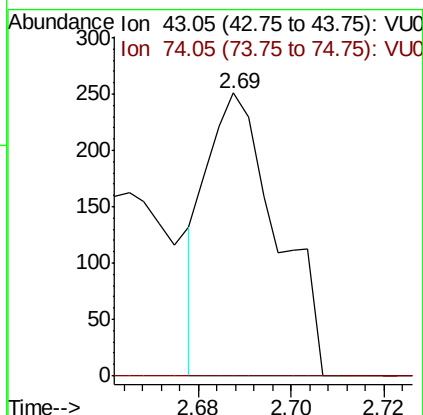
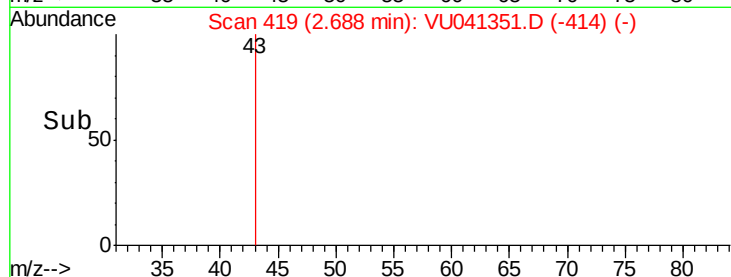
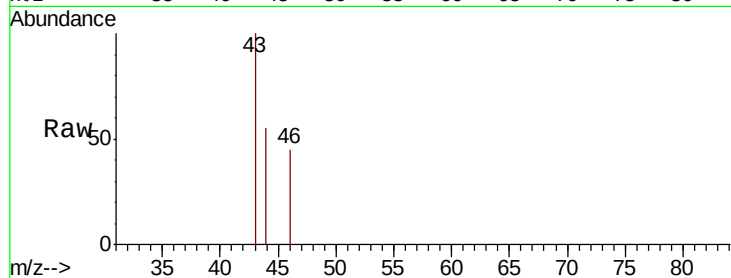




#15
Methyl Acetate
Concen: 0.106 ug/L
RT: 2.69 min Scan# 419
Delta R.T. -0.28 min
Lab File: VU041351.D
Acq: 19 Nov 2020 18:24

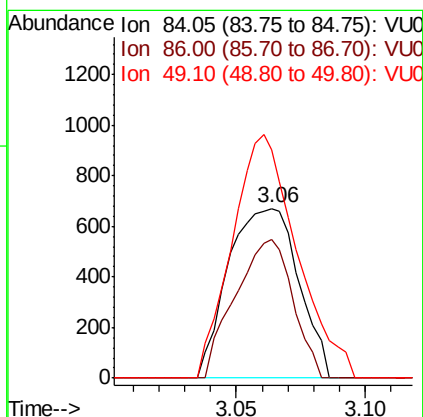
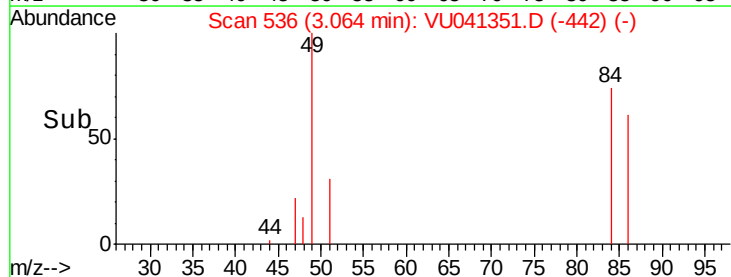
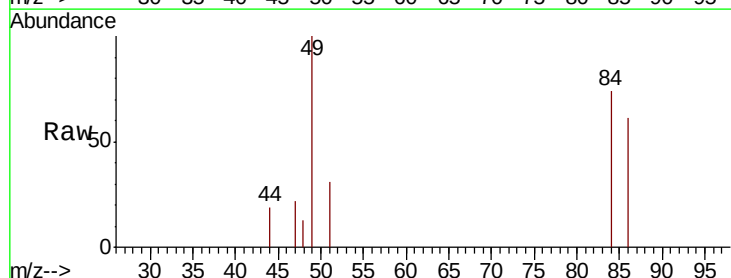
Instrument :
MSVOA_U
ClientSampleID :
H4399DL

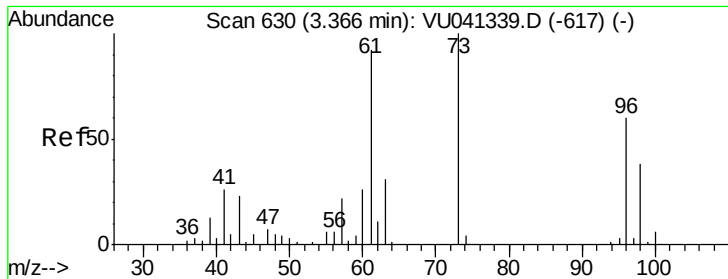
Tot Ion: 43 Resp: 265
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#16
Methylene chloride
Concen: 0.262 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU041351.D
Acq: 19 Nov 2020 18:24

Tgt Ion: 84 Resp: 1277
Ion Ratio Lower Upper
84 100
86 81.5 42.8 79.6#
49 134.3 99.5 184.7





#18

trans-1,2-Dichloroethene

Concen: 0.428 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041351.D

Acq: 19 Nov 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

H4399DL

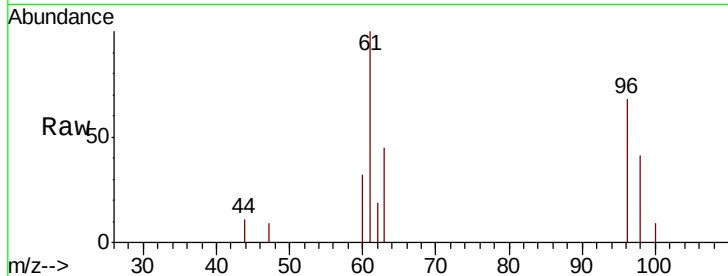
Tot Ion: 96 Resp: 1623

Ion Ratio Lower Upper

96 100

61 147.2 110.9 205.9

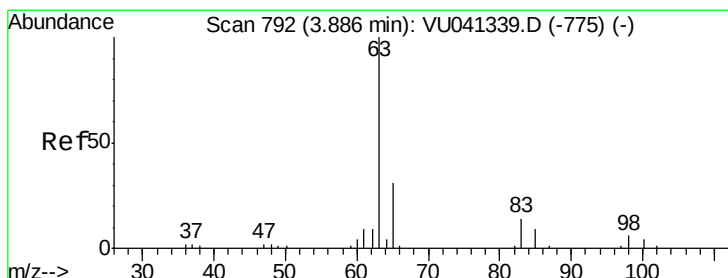
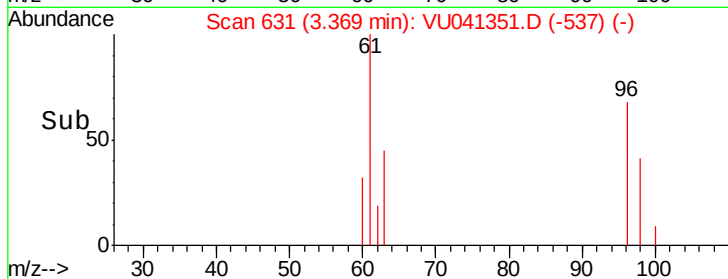
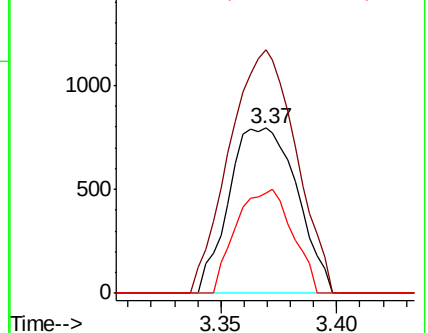
98 60.9 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU041339.D (-617) (-)

Ion 61.05 (60.75 to 61.75): VU041339.D (-617) (-)

Ion 97.95 (97.65 to 98.65): VU041339.D (-617) (-)



#19

1,1-Dichloroethane

Concen: 0.140 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041351.D

Acq: 19 Nov 2020 18:24

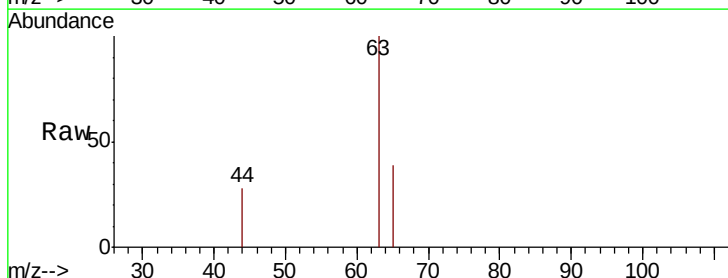
Tgt Ion: 63 Resp: 1185

Ion Ratio Lower Upper

63 100

65 39.4 21.3 39.6

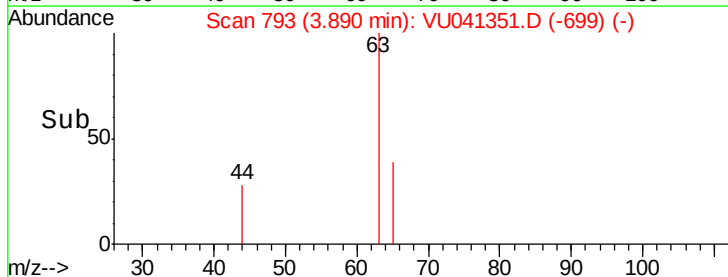
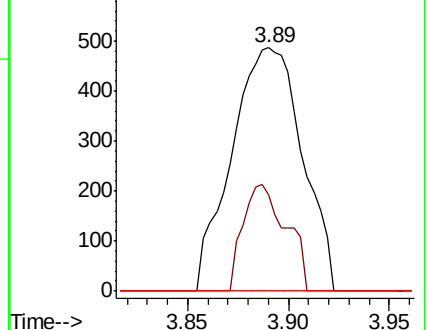
83 0.0 8.8 16.3#

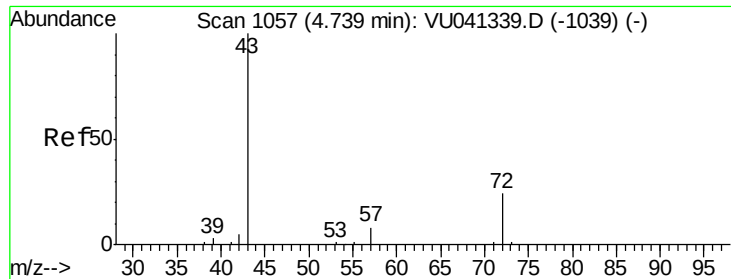


Abundance Ion 63.10 (62.80 to 63.80): VU041339.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU041339.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU041339.D (-775) (-)





#21

2-Butanone

Concen: 15.943 ug/L

RT: 4.83 min Scan# 1084

Delta R.T. 0.09 min

Lab File: VU041351.D

Acq: 19 Nov 2020 18:24

Instrument :

MSVOA_U

ClientSampled :

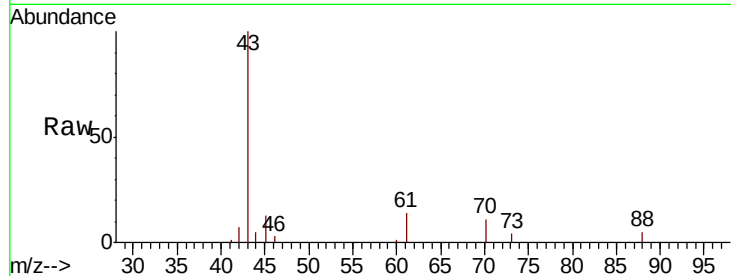
H4399DL

Tot Ion: 43 Resp: 29133

Ion Ratio Lower Upper

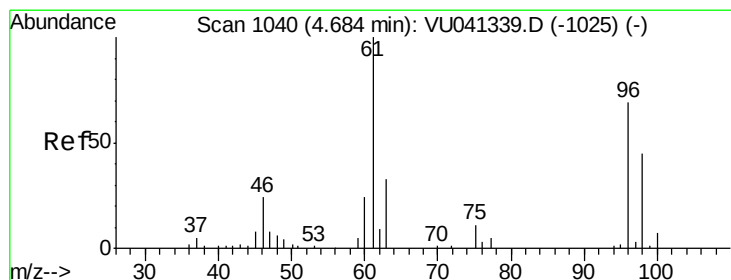
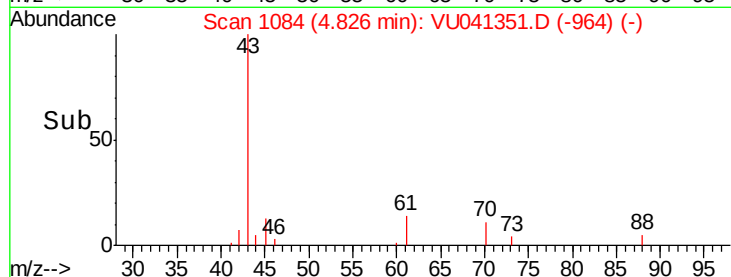
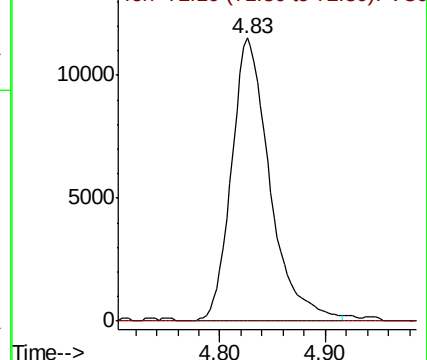
43 100

72 0.0 11.8 35.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



#22

cis-1,2-Dichloroethene

Concen: 1.812 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041351.D

Acq: 19 Nov 2020 18:24

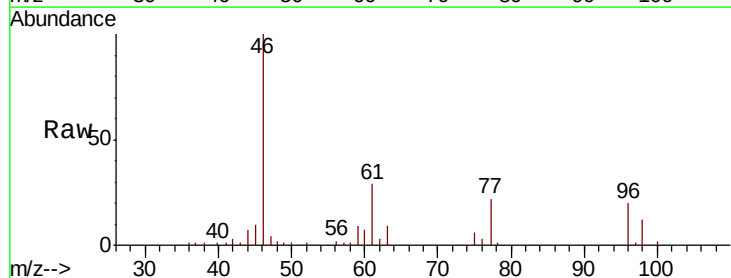
Tgt Ion: 96 Resp: 7761

Ion Ratio Lower Upper

96 100

61 141.2 97.2 180.4

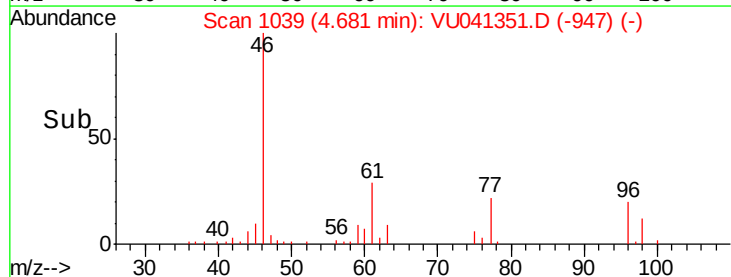
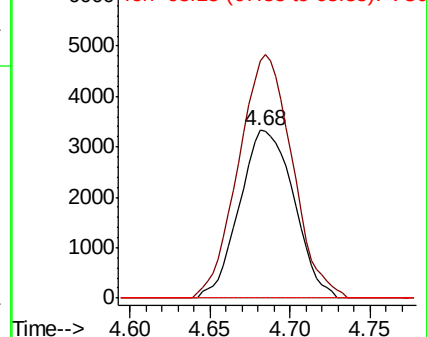
68 0.0 0.0 0.0

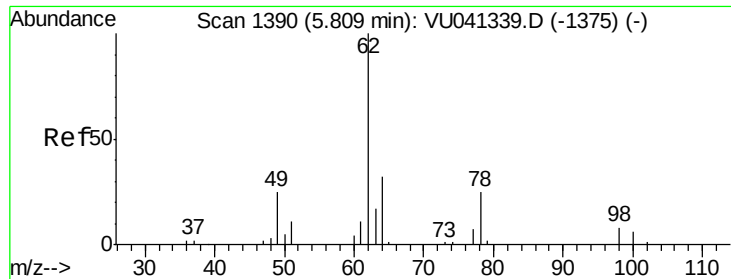


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

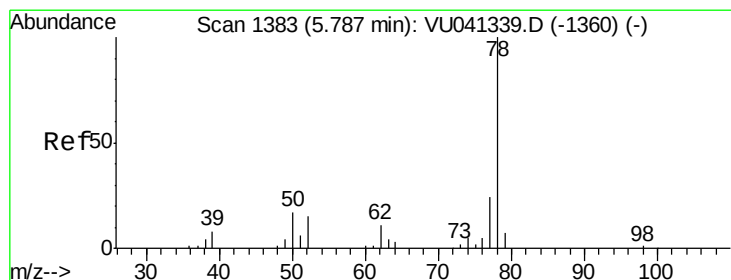
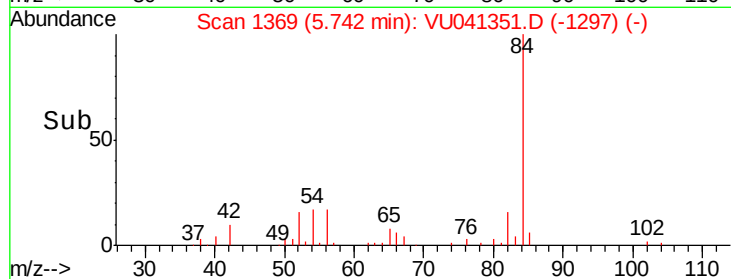
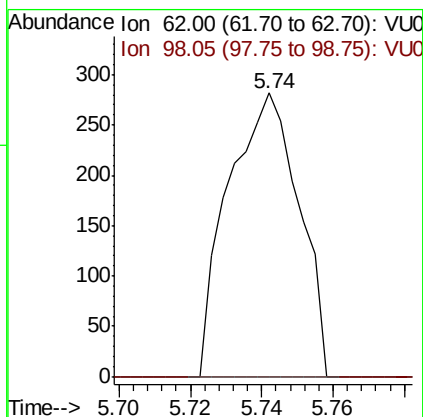
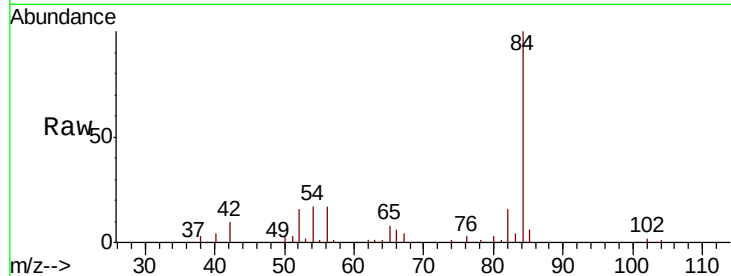




#27
 1,2-Dichloroethane
 Concen: 0.058 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.07 min
 Lab File: VU041351.D
 Acq: 19 Nov 2020 18:24

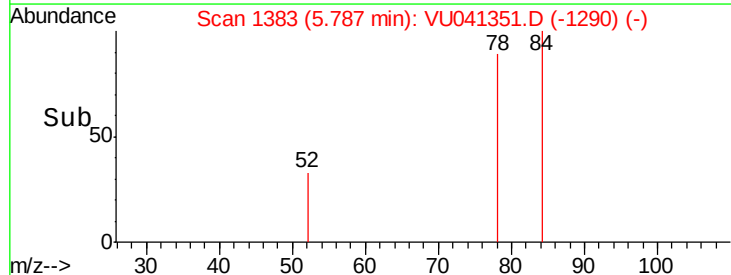
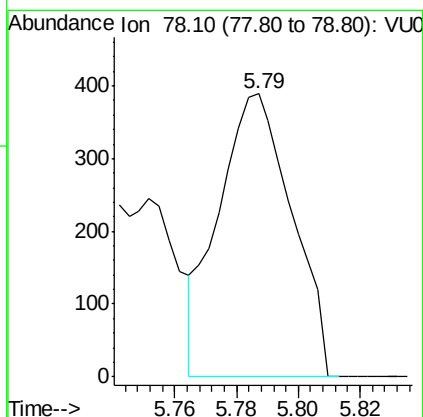
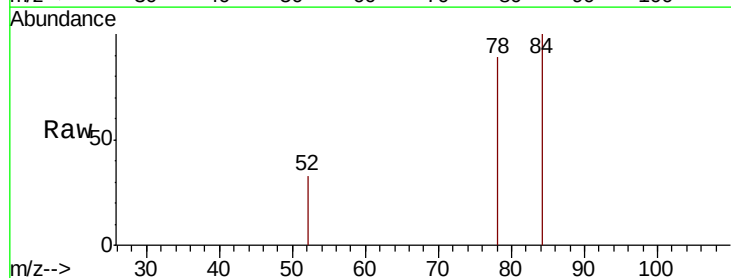
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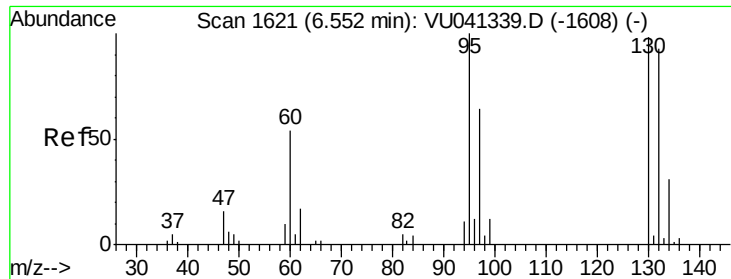
Tot Ion: 62 Resp: 384
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.039 ug/L
 RT: 5.79 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VU041351.D
 Acq: 19 Nov 2020 18:24

Tgt Ion: 78 Resp: 642

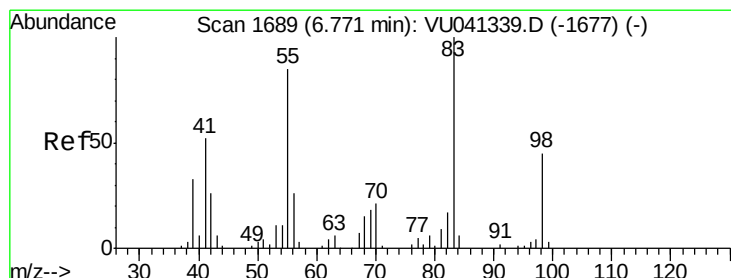
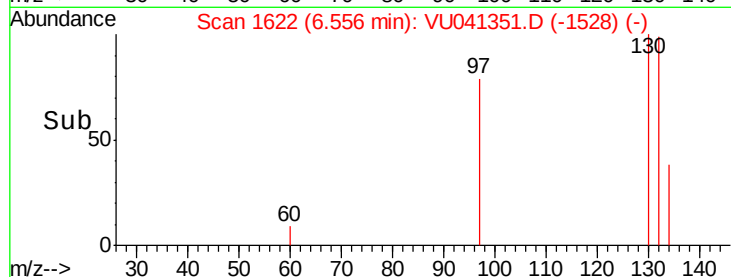
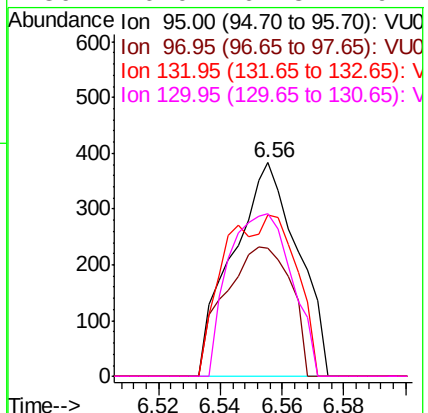
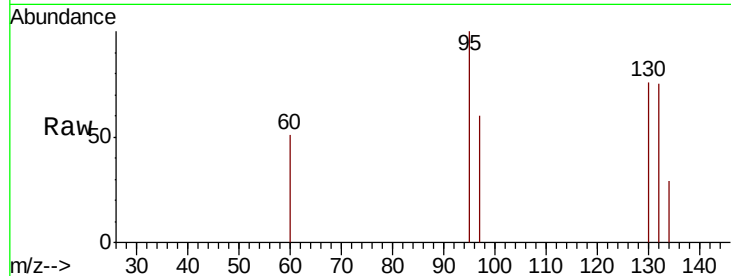




#34
 Trichloroethene
 Concen: 0.125 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041351.D
 Acq: 19 Nov 2020 18:24

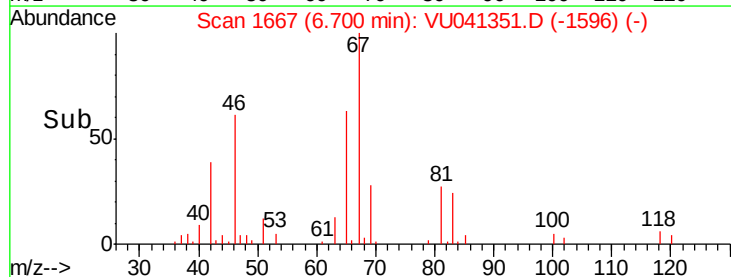
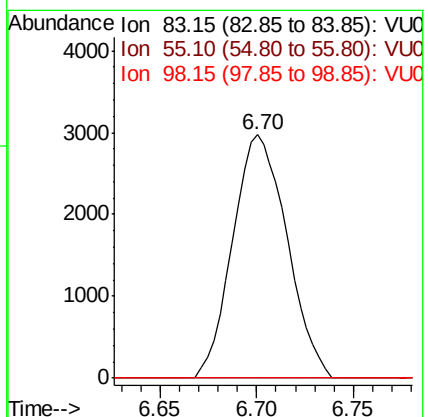
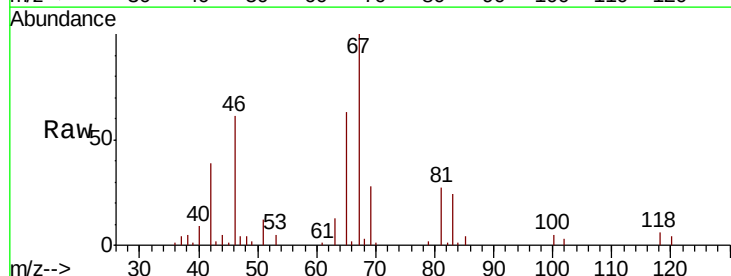
Instrument :
 MSVOA_U
 ClientSampleId :
 H4399DL

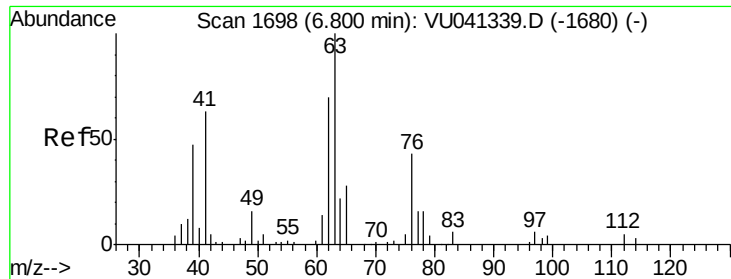
Tot Ion: 95 Resp: 561
 Ion Ratio Lower Upper
 95 100
 97 60.1 45.6 84.6
 132 75.5 64.8 120.4
 130 76.0 64.8 120.4



#35
 Methylcyclohexane
 Concen: 0.971 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041351.D
 Acq: 19 Nov 2020 18:24

Tgt Ion: 83 Resp: 5799
 Ion Ratio Lower Upper
 83 100
 55 0.0 72.0 108.0#
 98 0.0 36.6 55.0#

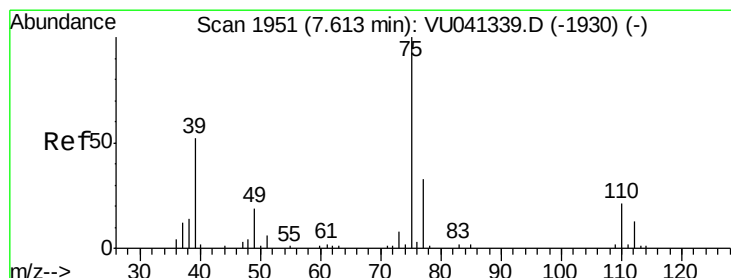
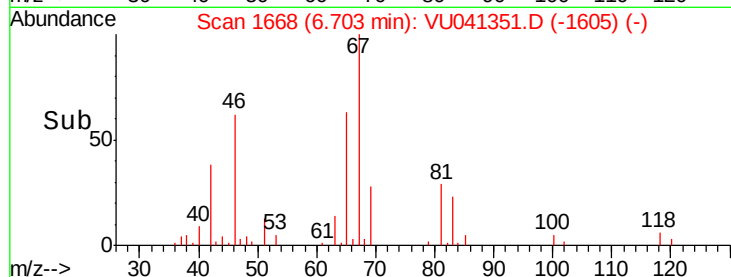
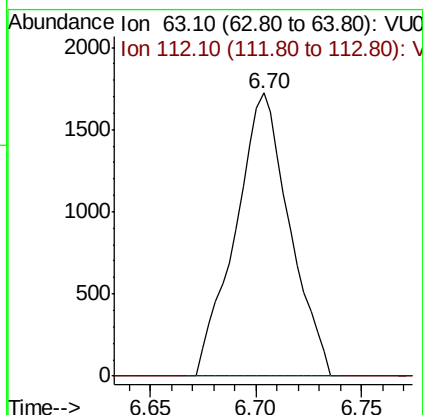
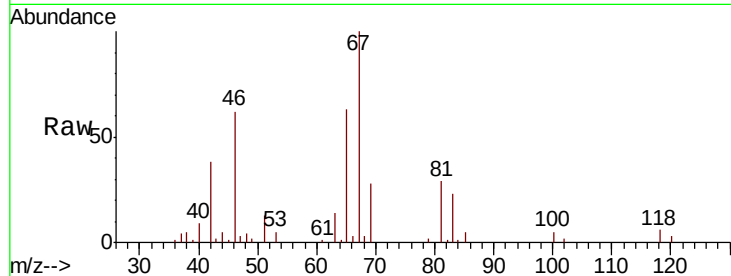




#37
 1,2-Dichloropropane
 Concen: 0.633 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041351.D
 Acq: 19 Nov 2020 18:24

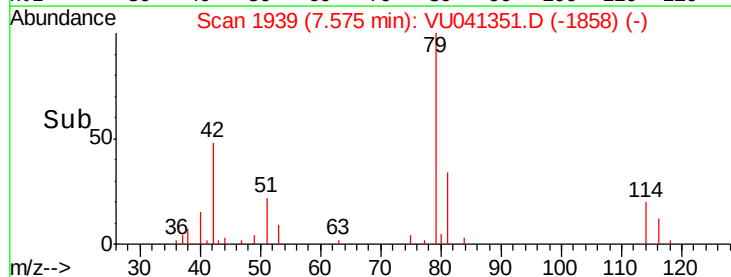
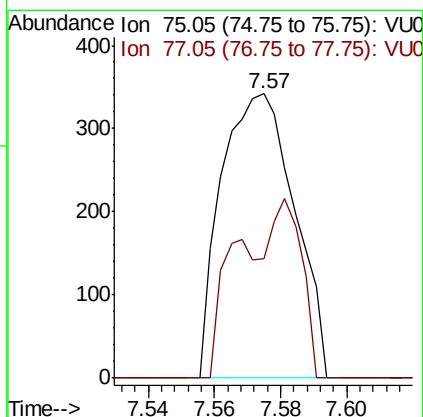
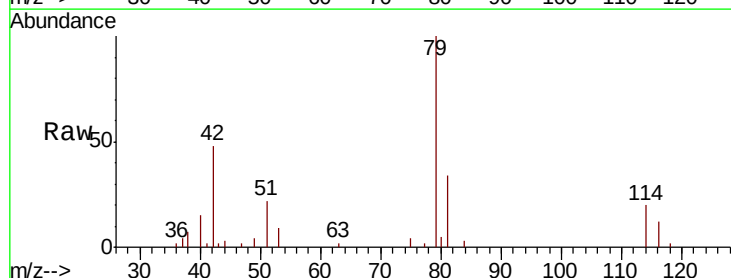
Instrument :
 MSVOA_U
 ClientSampleId :
 H4399DL

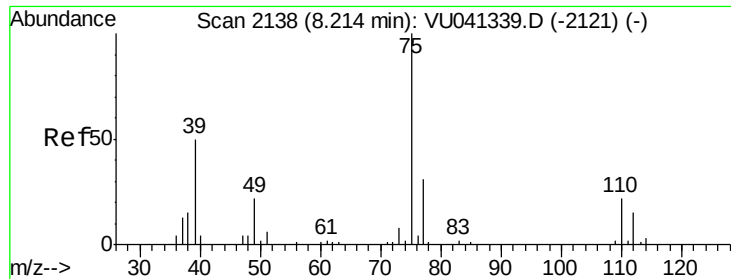
Tot Ion: 63 Resp: 3077
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.077 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041351.D
 Acq: 19 Nov 2020 18:24

Tgt Ion: 75 Resp: 523
 Ion Ratio Lower Upper
 75 100
 77 41.8 22.7 42.3





#44

trans-1,3-Dichloropropene

Concen: 0.052 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041351.D

Acq: 19 Nov 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

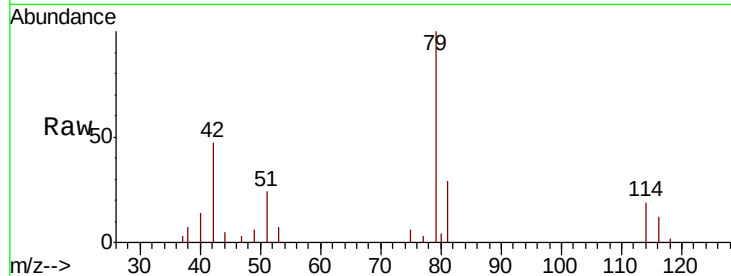
H4399DL

Tot Ion: 75 Resp: 334

Ion Ratio Lower Upper

75 100

77 48.5 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.18

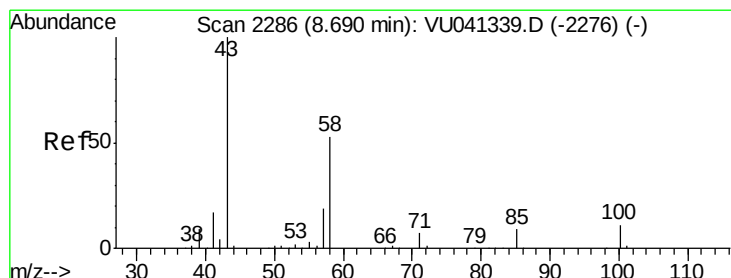
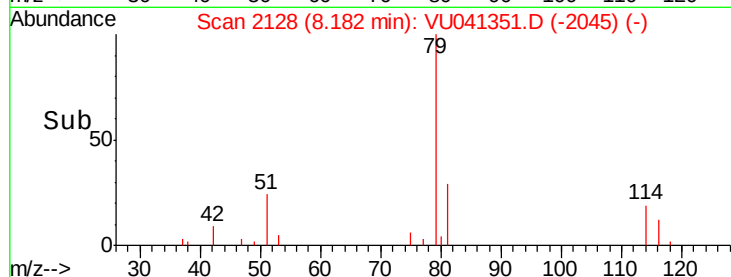
300

200

100

0

Time-->



#48

2-Hexanone

Concen: 3.110 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU041351.D

Acq: 19 Nov 2020 18:24

Tgt Ion: 43 Resp: 9339

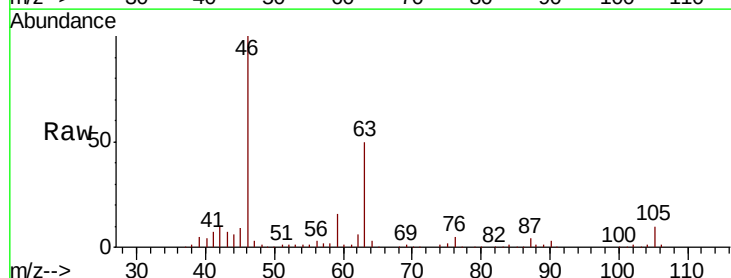
Ion Ratio Lower Upper

43 100

58 40.5 41.4 62.2#

57 29.7 14.6 21.8#

100 0.8 8.3 12.5#



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

8.64

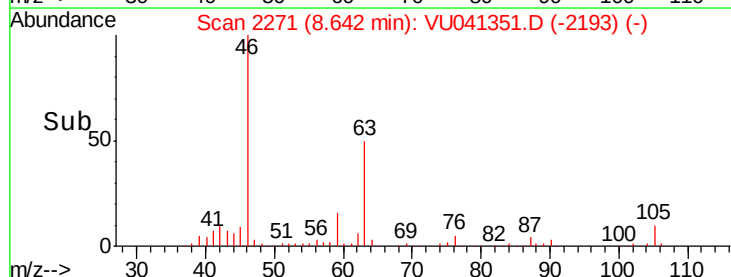
6000

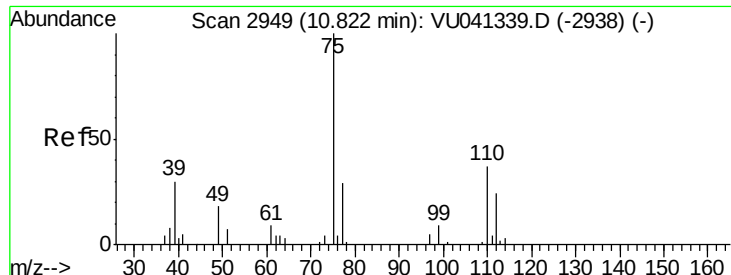
4000

2000

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.852 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041351.D

Acq: 19 Nov 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

H4399DL

Tot Ion: 75 Resp: 3267

Ion Ratio Lower Upper

75 100

77 43.4 25.7 38.5#

