

Data File : VU041320.D
Acq On : 18 Nov 2020 18:38
Operator : SY/MD
Sample : L4790-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4389

Quant Time: Nov 19 00:51:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	64209	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	65720	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25395	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	20340	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.92	69	18908	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.58	63	34568	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.66	46	90101	46.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.54%
24) Chloroform-d	5.08	84	49607	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.72	65	31581	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.74	84	87058	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.70	67	30171	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.91	98	68920	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	8.19	79	11650	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.64	63	64402	45.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	27121	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	26541	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

					Qvalue
3) Chloromethane	1.52	50	568	0.100 ug/L	91
5) Vinyl chloride	1.61	62	17518	3.143 ug/L #	74
8) Chloroethane	1.94	64	219	0.059 ug/L #	56
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	357	0.075 ug/L #	22
12) 1,1-Dichloroethene	2.59	96	1381	0.330 ug/L #	1
13) Acetone	2.66	43	7542	5.838 ug/L	97
14) Carbon disulfide	2.81	76	1789	0.145 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	28093	6.901 ug/L	98
19) 1,1-Dichloroethane	3.89	63	826	0.091 ug/L #	75
22) cis-1,2-Dichloroethene	4.68	96	102282	22.248 ug/L	98
27) 1,2-Dichloroethane	5.74	62	578	0.081 ug/L #	74
33) Benzene	5.79	78	1229	0.069 ug/L	100
34) Trichloroethene	6.55	95	127882	26.568 ug/L	97
35) Methylcyclohexane	6.70	83	7050	1.102 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3718	0.714 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	710	0.098 ug/L #	52
44) trans-1,3-Dichloropropene	8.19	75	499	0.073 ug/L #	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\
Quantitation Report (Not Reviewed)

Data File : VU041320.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration

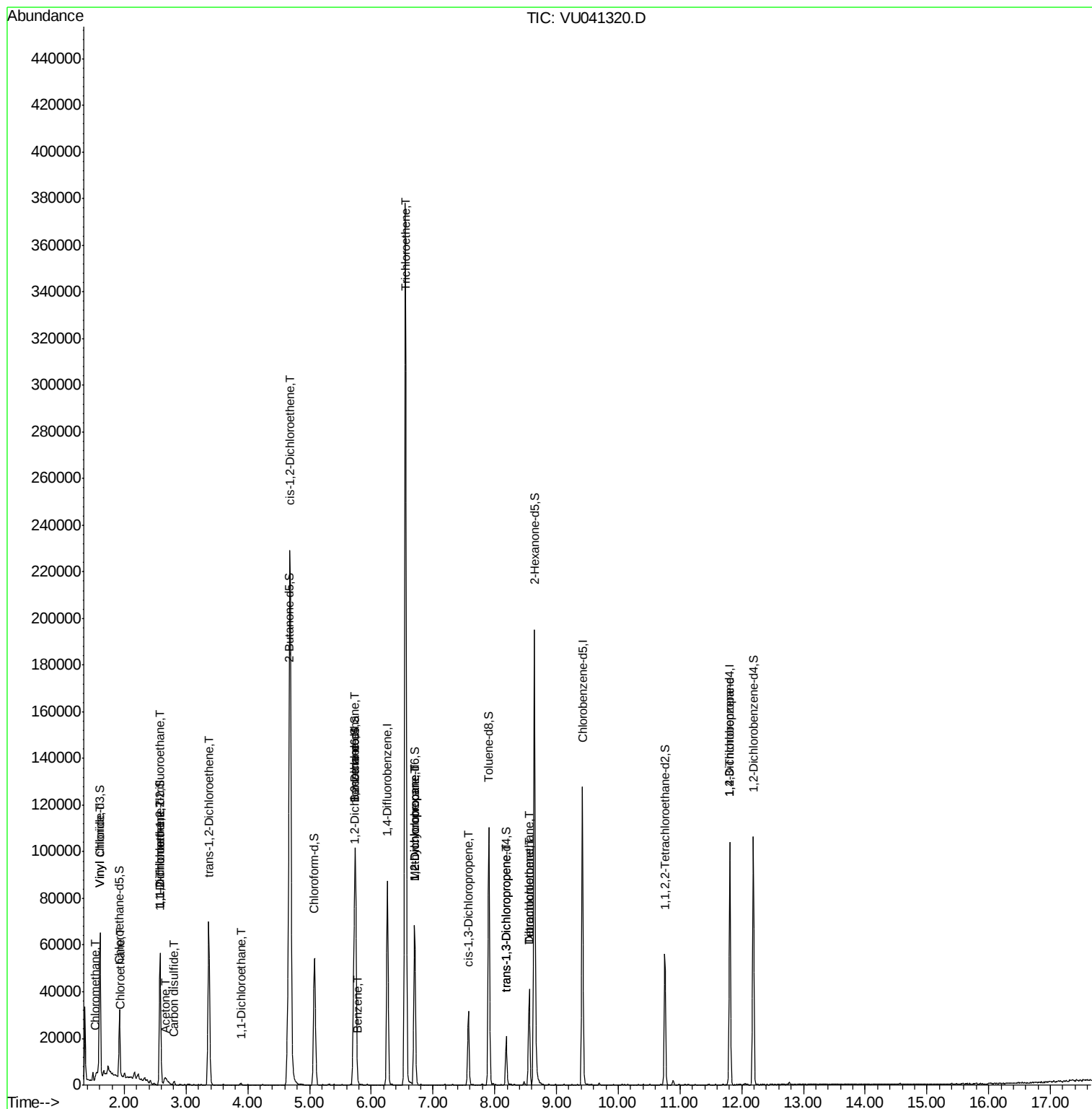
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.56	164	8223	2.312	ug/L	92
49) Dibromochloromethane	8.56	129	8864	1.858	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3300	0.804	ug/L	97

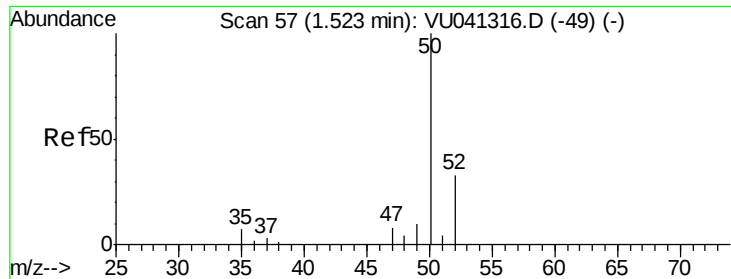
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.100 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041320.D

Acq: 18 Nov 2020 18:38

Instrument :

MSVOA_U

ClientSampleId :

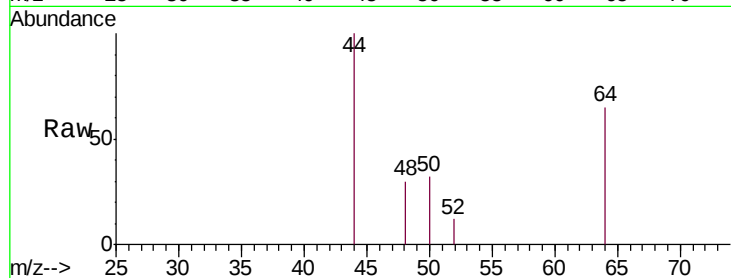
H4389

Tgt Ion: 50 Resp: 568

Ion Ratio Lower Upper

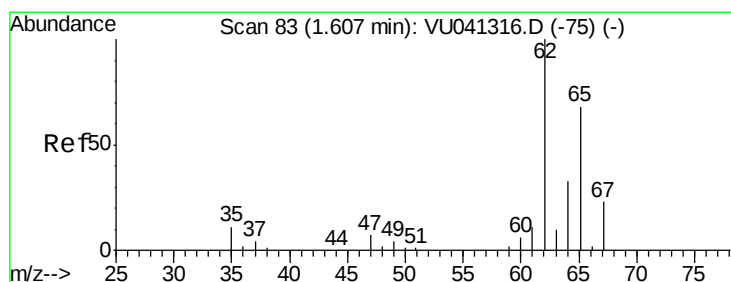
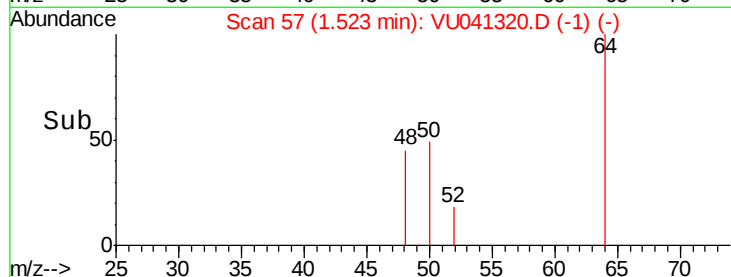
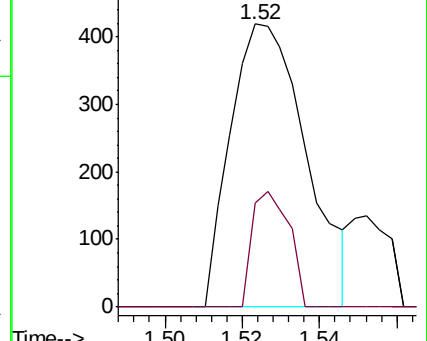
50 100

52 36.8 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: 3.143 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041320.D

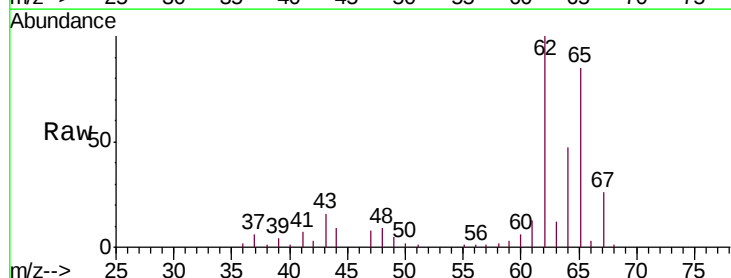
Acq: 18 Nov 2020 18:38

Tgt Ion: 62 Resp: 17518

Ion Ratio Lower Upper

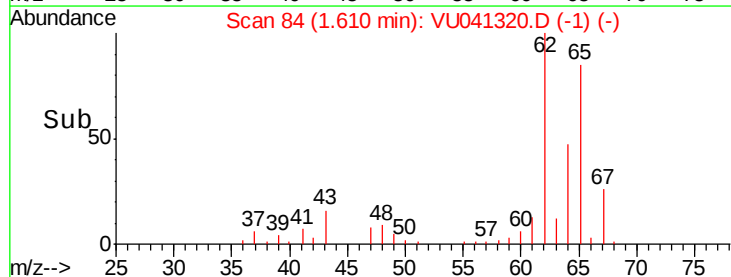
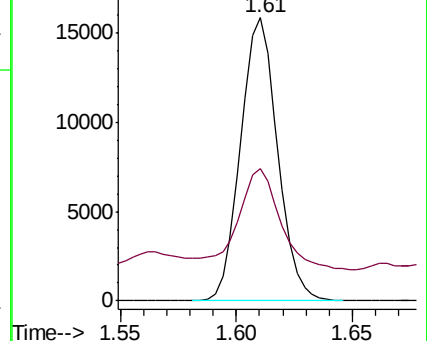
62 100

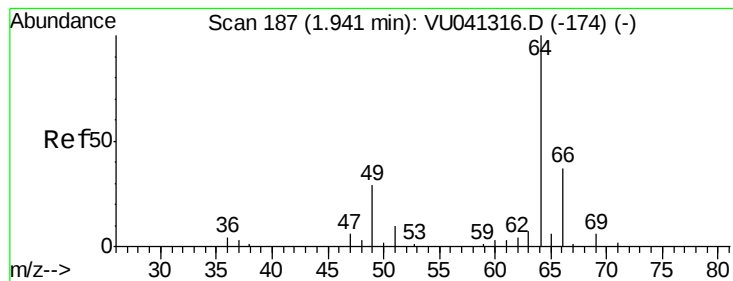
64 47.0 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#8

Chloroethane

Concen: 0.059 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041320.D

Acq: 18 Nov 2020 18:38

Instrument :

MSVOA_U

ClientSampleId :

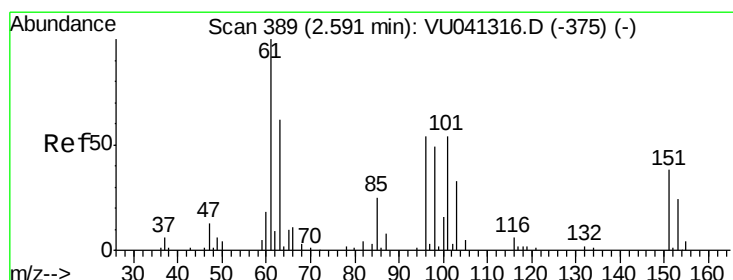
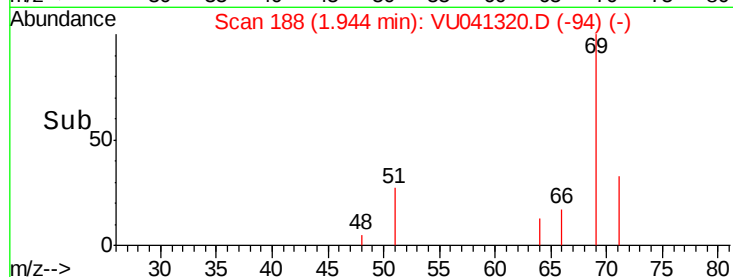
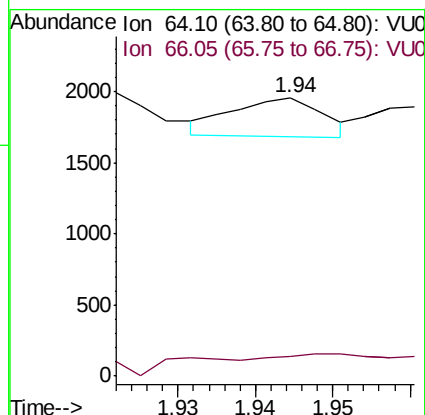
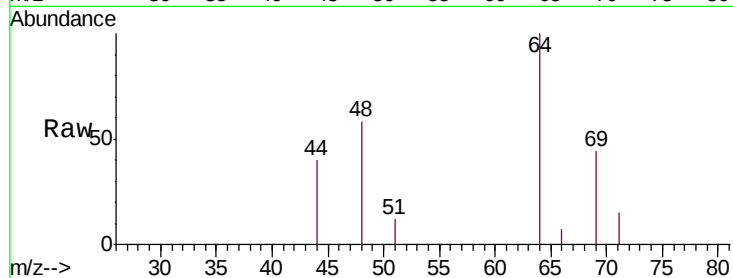
H4389

Tgt Ion: 64 Resp: 219

Ion Ratio Lower Upper

64 100

66 7.3 22.3 41.5#



#10

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

Concen: 0.075 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041320.D

Acq: 18 Nov 2020 18:38

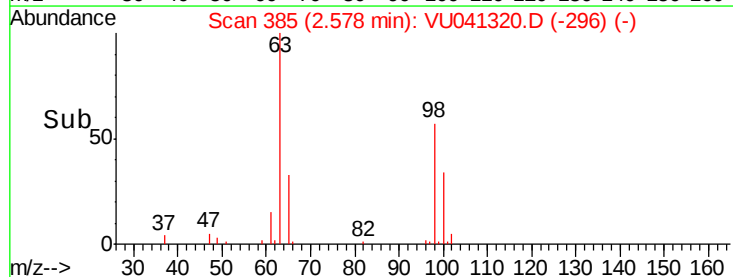
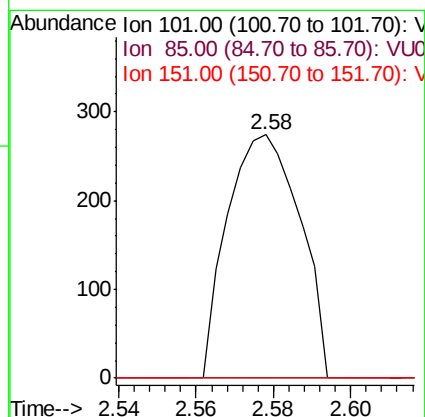
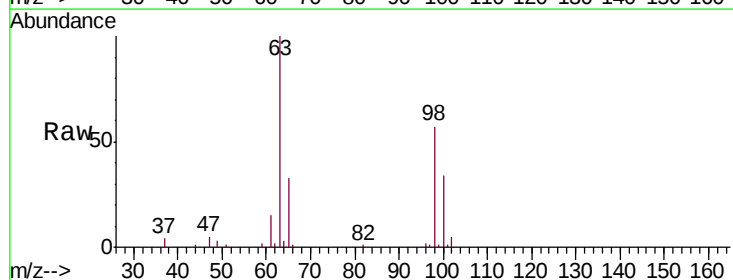
Tgt Ion: 101 Resp: 357

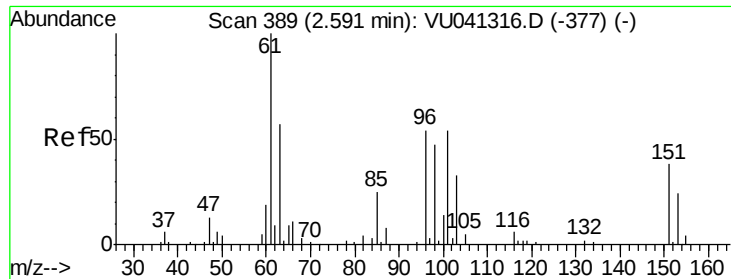
Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#

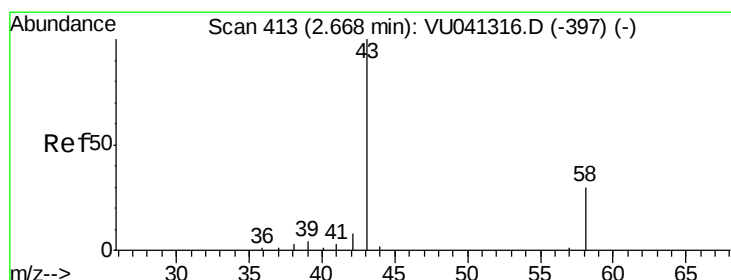
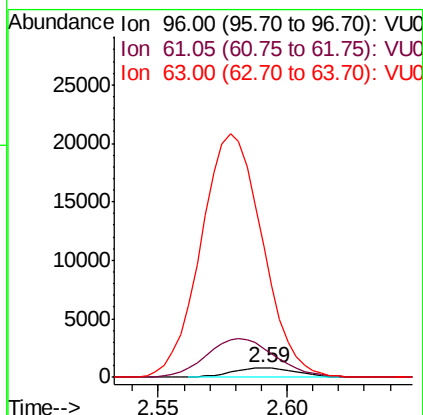
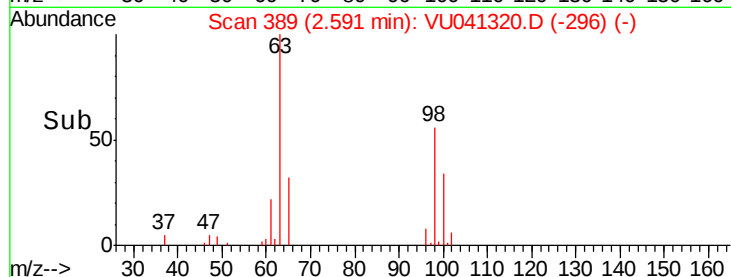
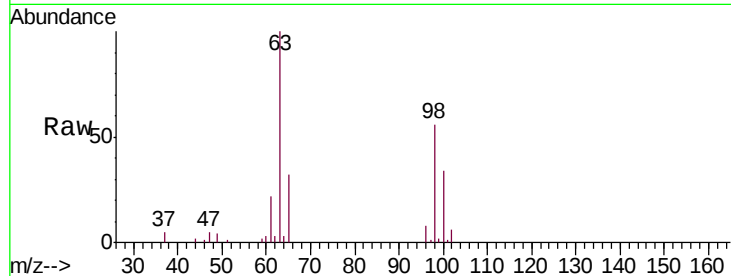




#12
 1,1-Dichloroethene
 Concen: 0.330 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VU041320.D
 Acq: 18 Nov 2020 18:38

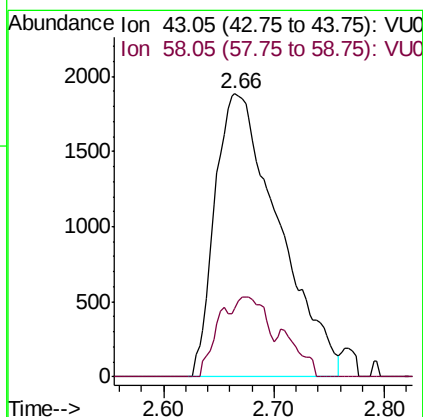
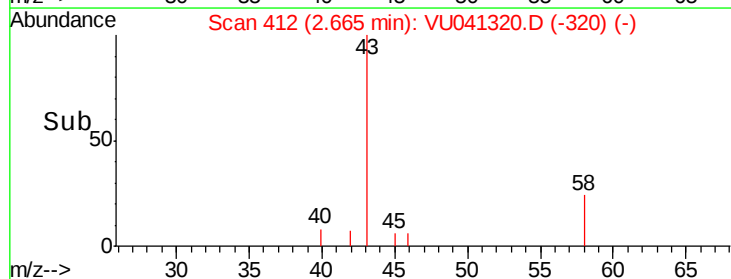
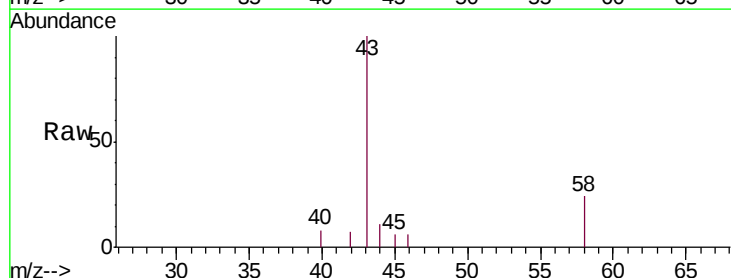
Instrument :
 MSVOA_U
 ClientSampled :
 H4389

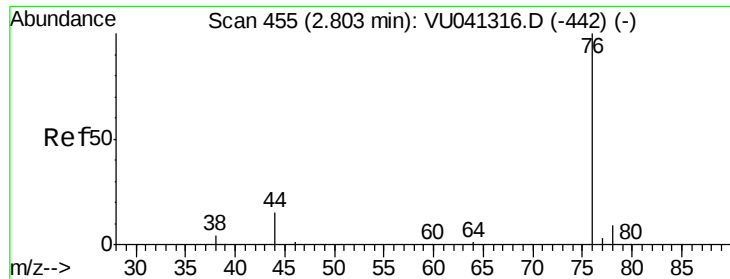
Tgt Ion: 96 Resp: 1381
 Ion Ratio Lower Upper
 96 100
 61 293.0 134.3 249.5#
 63 1320.3 95.0 176.4#



#13
 Acetone
 Concen: 5.838 ug/L
 RT: 2.66 min Scan# 412
 Delta R.T. -0.00 min
 Lab File: VU041320.D
 Acq: 18 Nov 2020 18:38

Tgt Ion: 43 Resp: 7542
 Ion Ratio Lower Upper
 43 100
 58 13.8 0.0 25.4





#14

Carbon disulfide

Concen: 0.145 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041320.D

Acq: 18 Nov 2020 18:38

Instrument :

MSVOA_U

ClientSampleId :

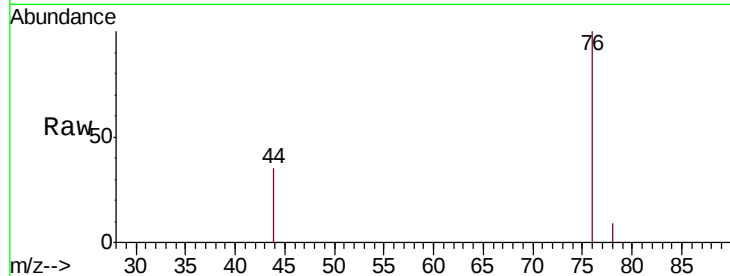
H4389

Tgt Ion: 76 Resp: 1789

Ion Ratio Lower Upper

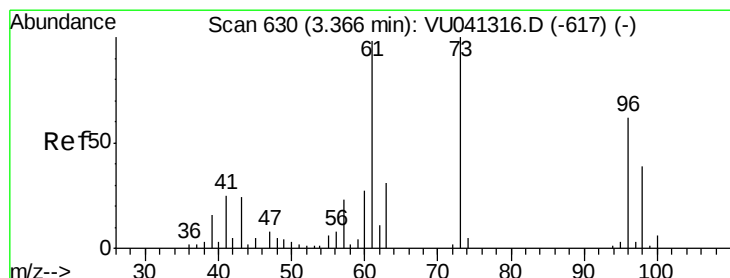
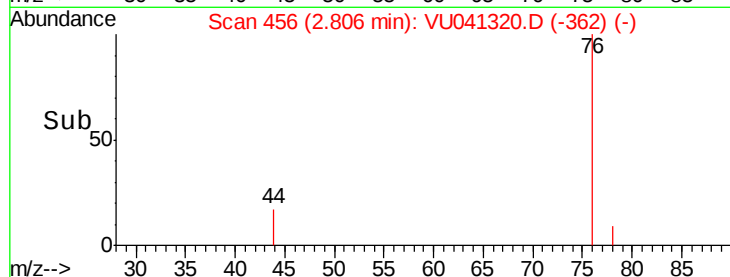
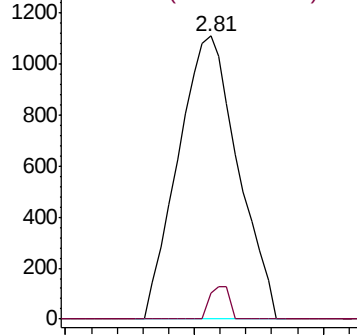
76 100

78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#18

trans-1,2-Dichloroethene

Concen: 6.901 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041320.D

Acq: 18 Nov 2020 18:38

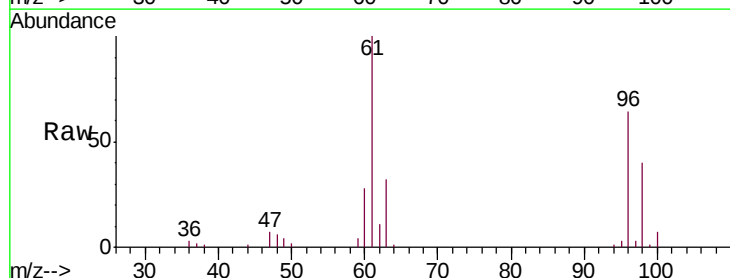
Tgt Ion: 96 Resp: 28093

Ion Ratio Lower Upper

96 100

61 155.8 110.9 205.9

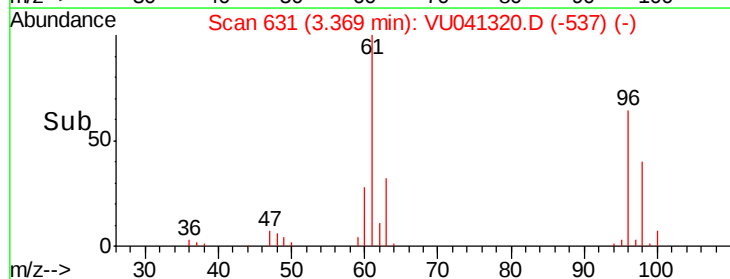
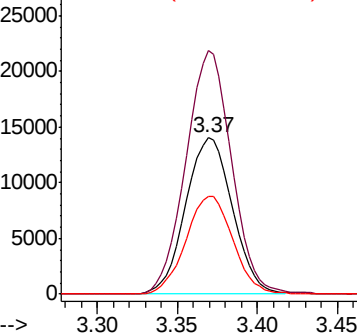
98 62.5 45.4 84.2

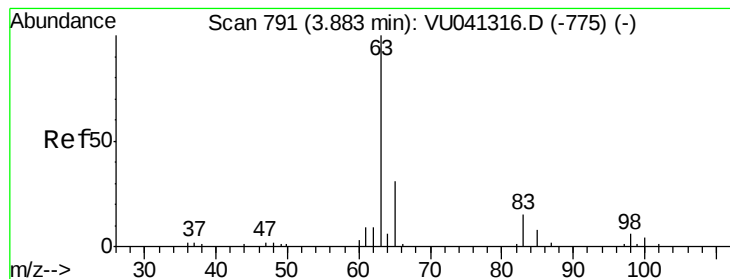


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.091 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041320.D

Acq: 18 Nov 2020 18:38

Instrument :

MSVOA_U

ClientSampled :

H4389

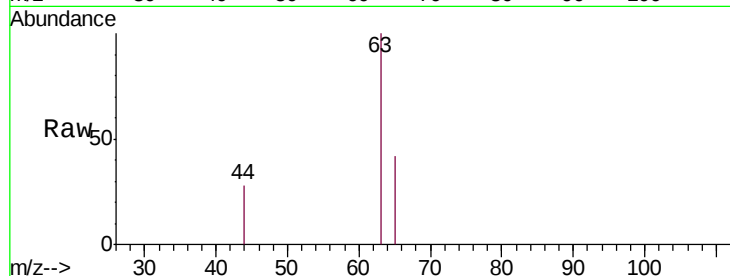
Tgt Ion: 63 Resp: 826

Ion Ratio Lower Upper

63 100

65 42.4 21.3 39.6#

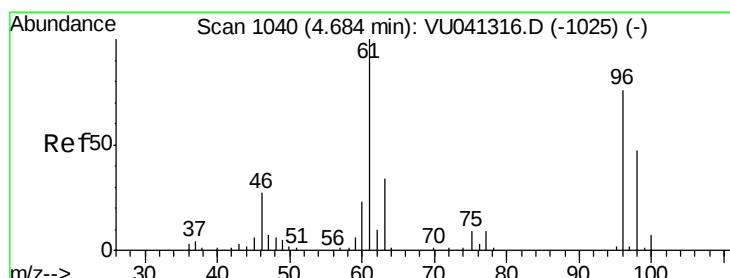
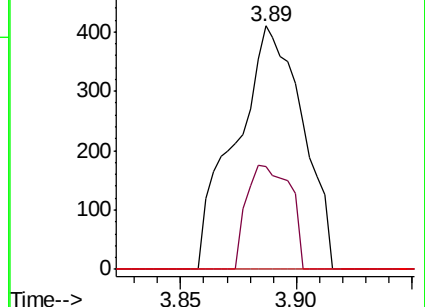
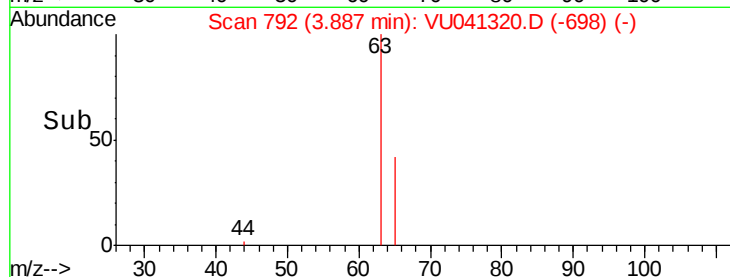
83 0.0 8.8 16.3#



Abundance Ion 63.10 (62.80 to 63.80): VU041320.D (-698) (-)

Ion 65.10 (64.80 to 65.80): VU041320.D (-698) (-)

Ion 83.05 (82.75 to 83.75): VU041320.D (-698) (-)



#22

cis-1,2-Dichloroethene

Concen: 22.248 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041320.D

Acq: 18 Nov 2020 18:38

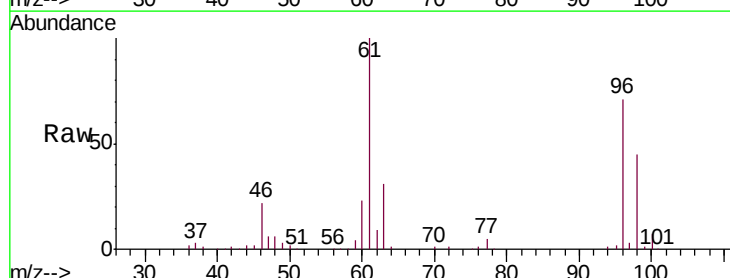
Tgt Ion: 96 Resp: 102282

Ion Ratio Lower Upper

96 100

61 141.2 97.2 180.4

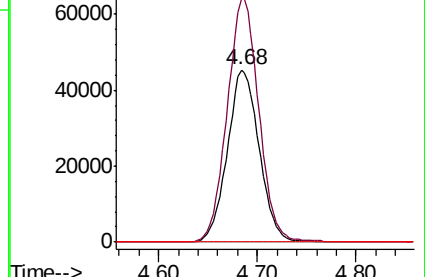
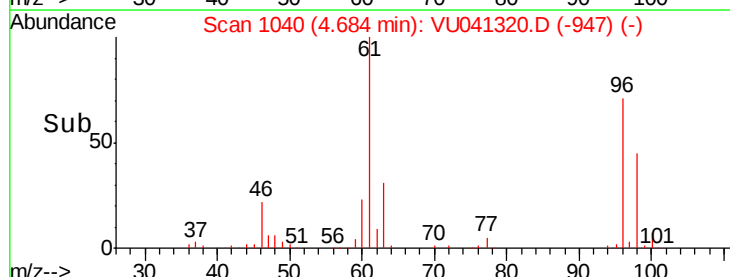
68 0.0 0.0 0.0

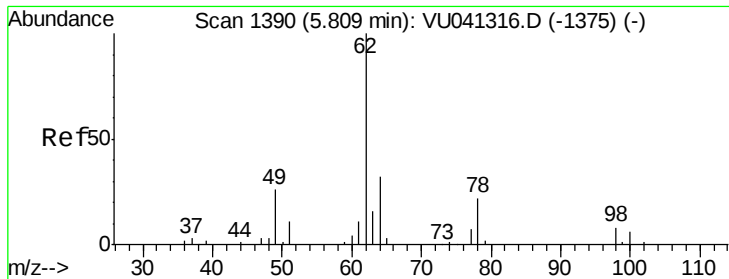


Abundance Ion 96.00 (95.70 to 96.70): VU041320.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041320.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041320.D (-947) (-)

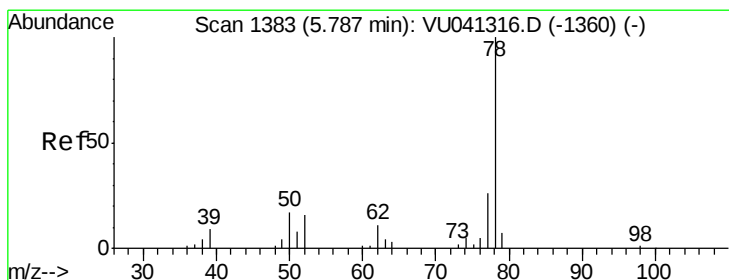
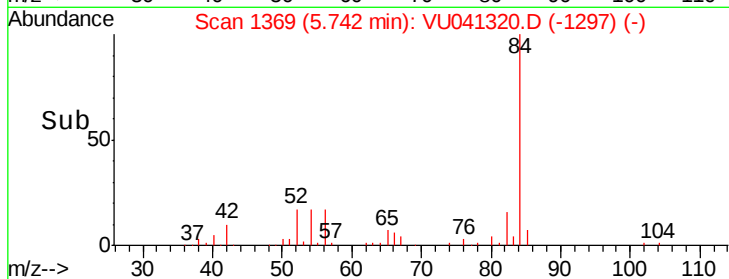
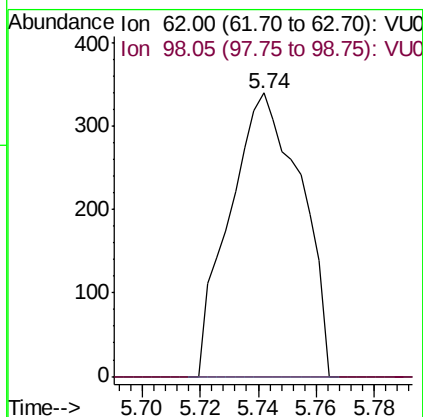
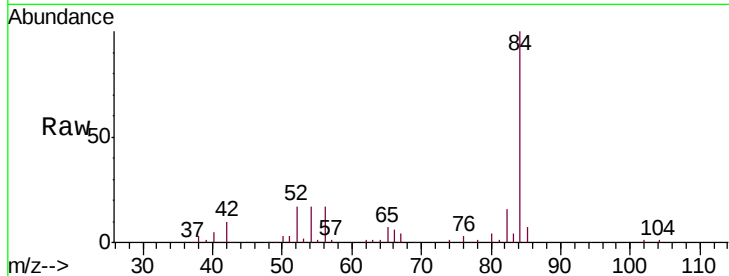




#27
 1,2-Dichloroethane
 Concen: 0.081 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.07 min
 Lab File: VU041320.D
 Acq: 18 Nov 2020 18:38

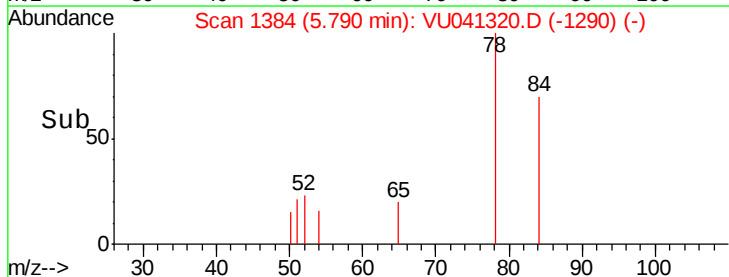
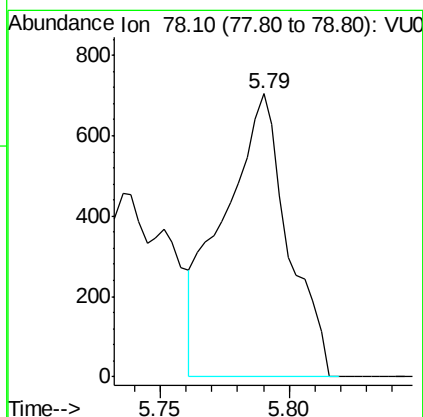
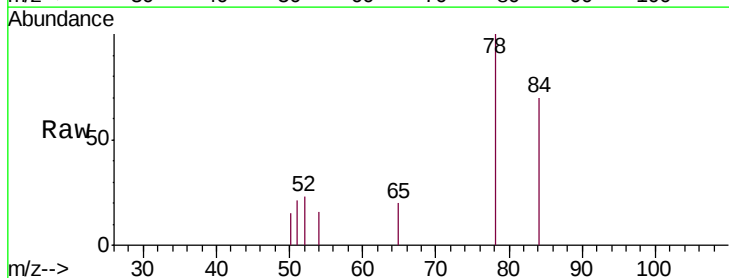
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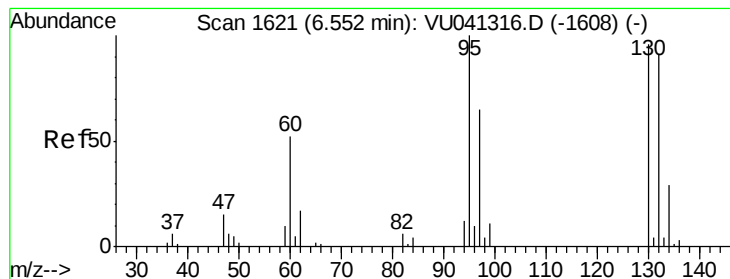
Tgt Ion: 62 Resp: 578
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.069 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VU041320.D
 Acq: 18 Nov 2020 18:38

Tgt Ion: 78 Resp: 1229





#34

Trichloroethene

Concen: 26.568 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041320.D

Acq: 18 Nov 2020 18:38

Instrument :

MSVOA_U

ClientSampleId :

H4389

Tgt Ion: 95 Resp: 127882

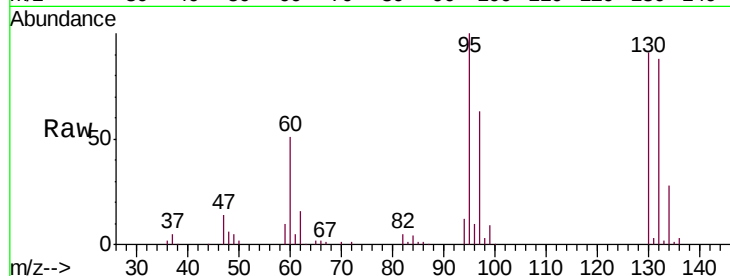
Ion Ratio Lower Upper

95 100

97 63.1 45.6 84.6

132 88.3 64.8 120.4

130 90.9 64.8 120.4

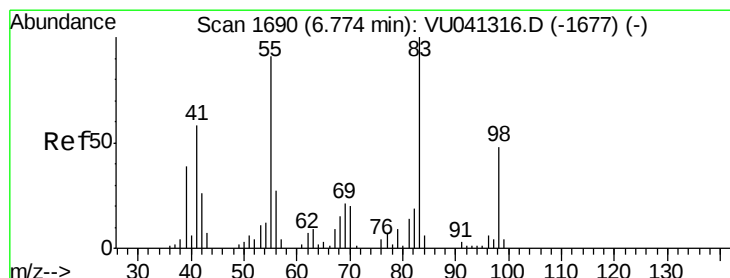
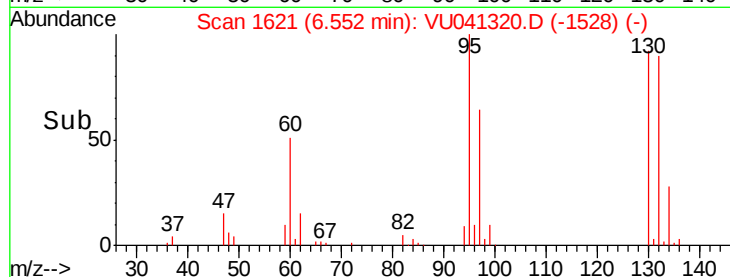
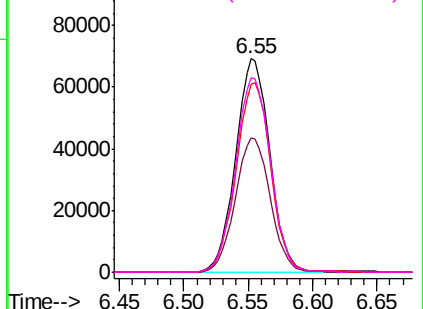


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 1.102 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041320.D

Acq: 18 Nov 2020 18:38

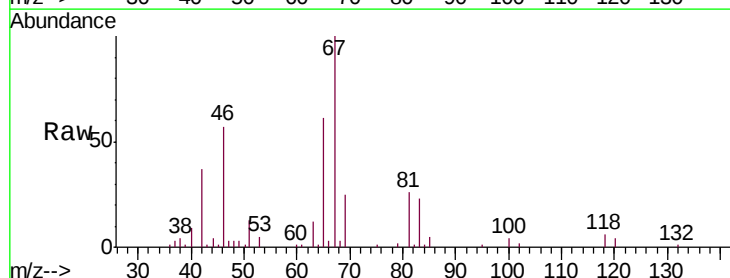
Tgt Ion: 83 Resp: 7050

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

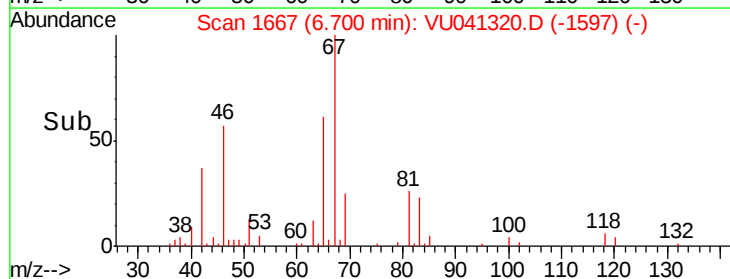
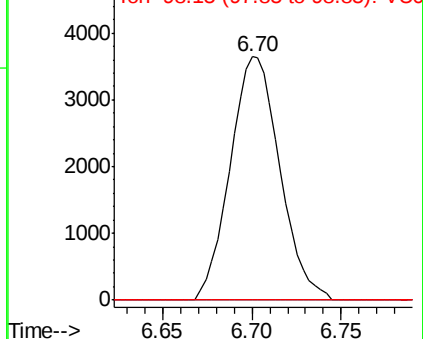
98 0.0 36.6 55.0#

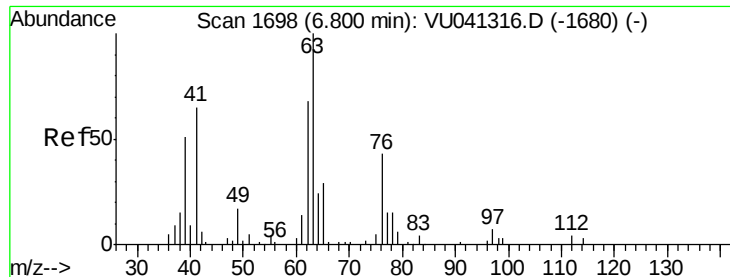


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

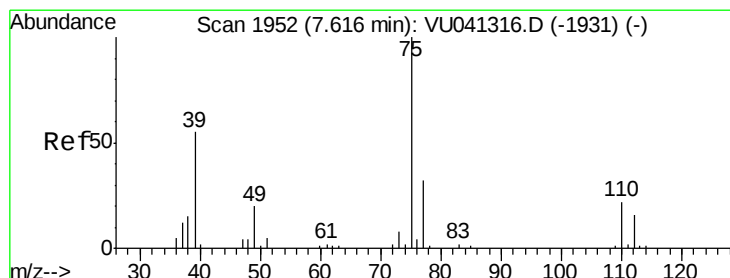
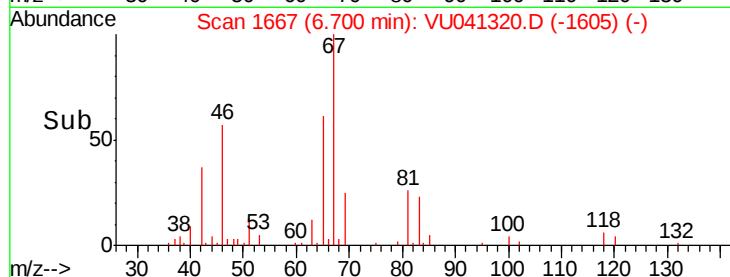
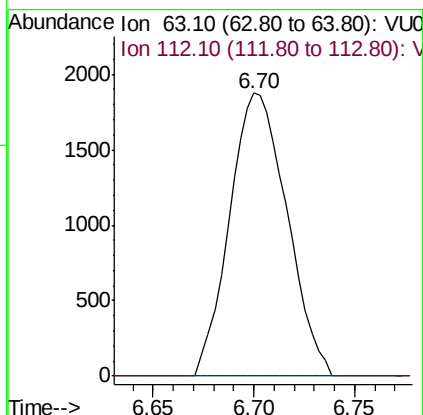
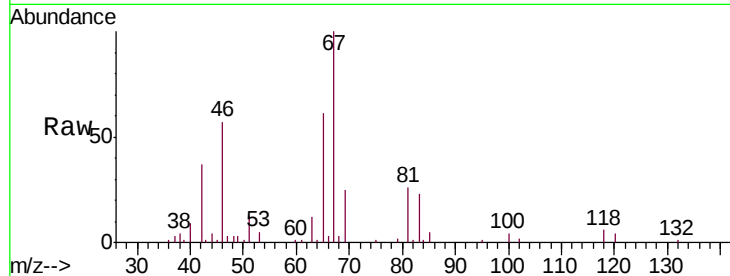




#37
 1,2-Dichloropropane
 Concen: 0.714 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041320.D
 Acq: 18 Nov 2020 18:38

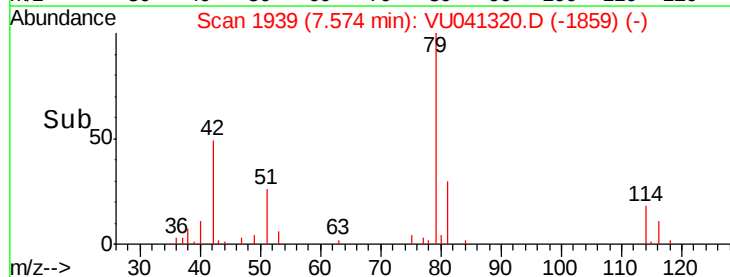
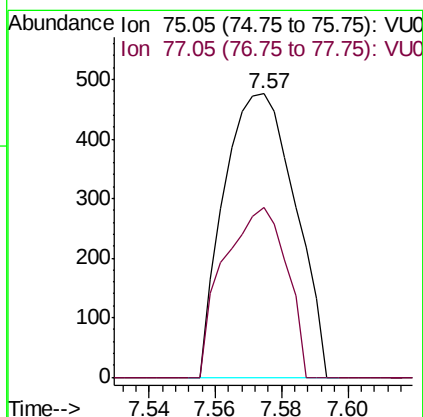
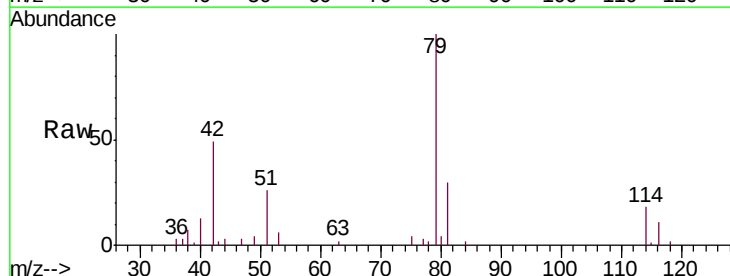
Instrument :
 MSVOA_U
 ClientSampleId :
 H4389

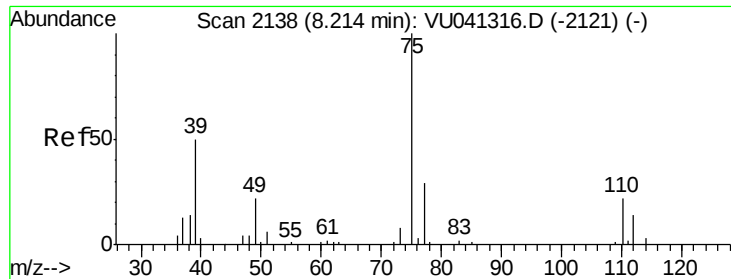
Tgt Ion: 63 Resp: 3718
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041320.D
 Acq: 18 Nov 2020 18:38

Tgt Ion: 75 Resp: 710
 Ion Ratio Lower Upper
 75 100
 77 59.7 22.7 42.3#

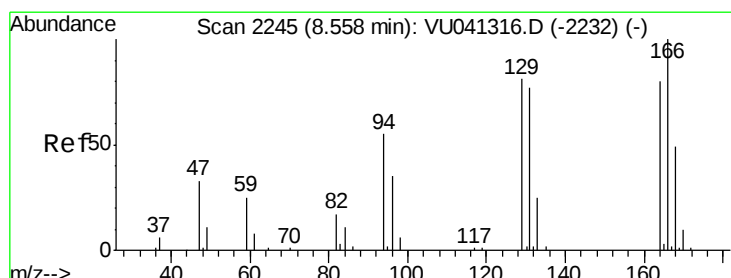
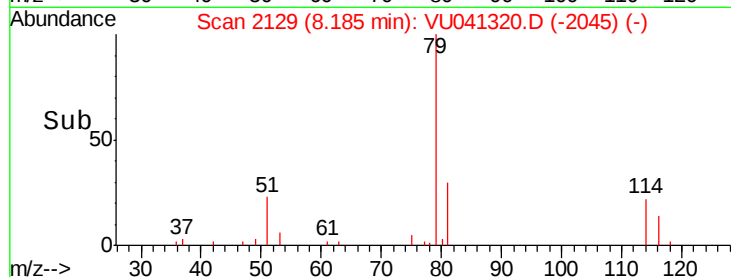
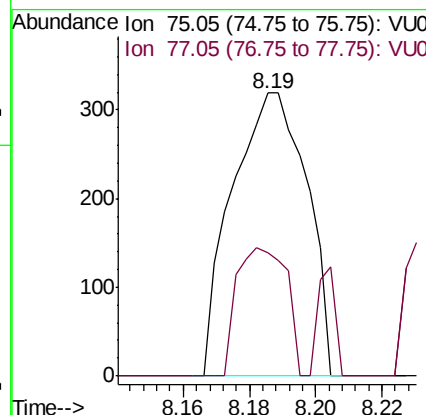
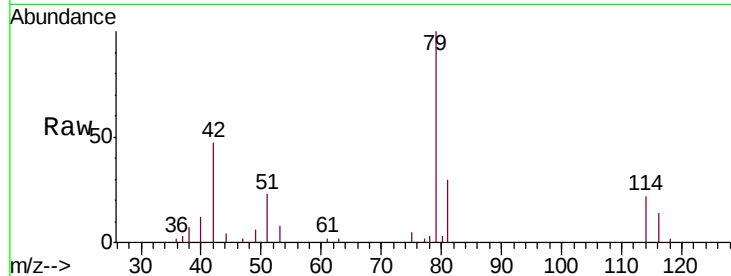




#44
trans-1,3-Dichloropropene
Concen: 0.073 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041320.D
Acq: 18 Nov 2020 18:38

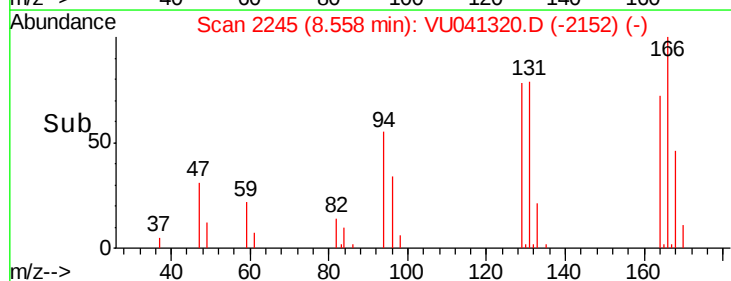
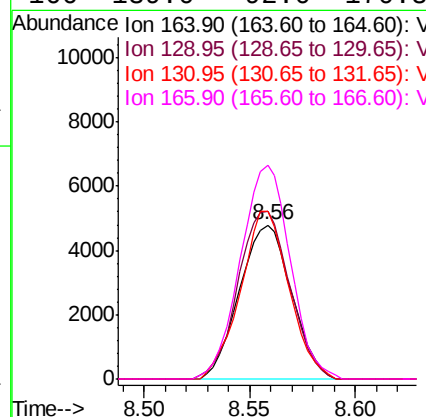
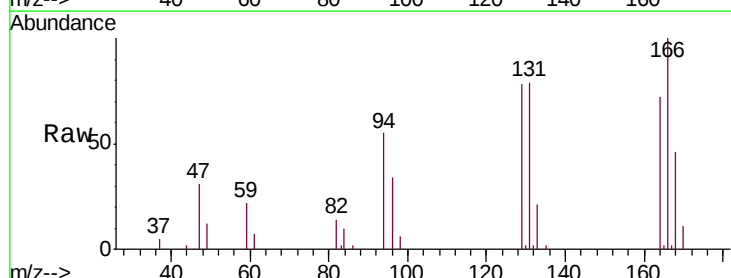
Instrument :
MSVOA_U
ClientSampled :
H4389

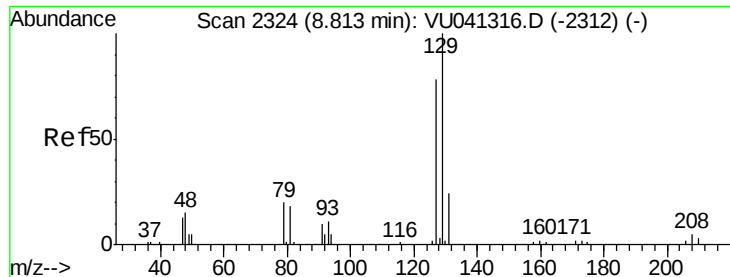
Tgt Ion: 75 Resp: 499
Ion Ratio Lower Upper
75 100
77 43.6 23.3 43.3#



#47
Tetrachloroethene
Concen: 2.312 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU041320.D
Acq: 18 Nov 2020 18:38

Tgt Ion: 164 Resp: 8223
Ion Ratio Lower Upper
164 100
129 108.8 70.3 130.7
131 109.6 70.8 131.4
166 139.0 92.0 170.8





#49

Dibromochloromethane

Concen: 1.858 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041320.D

Acq: 18 Nov 2020 18:38

Instrument :

MSVOA_U

ClientSampleId :

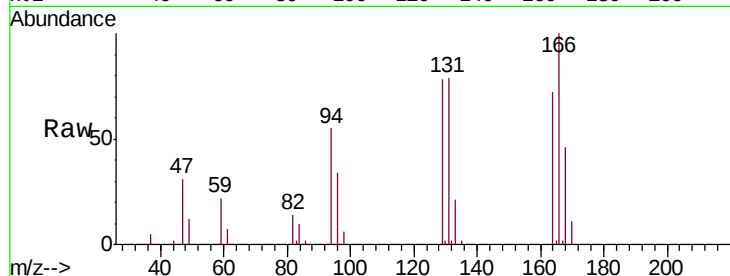
H4389

Tgt Ion:129 Resp: 8864

Ion Ratio Lower Upper

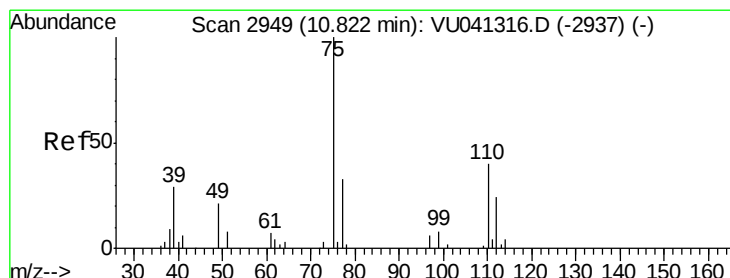
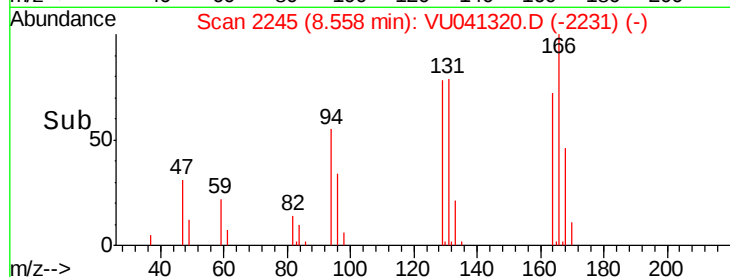
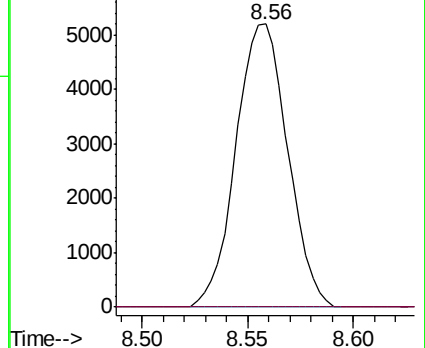
129 100

127 0.0 53.4 99.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.804 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041320.D

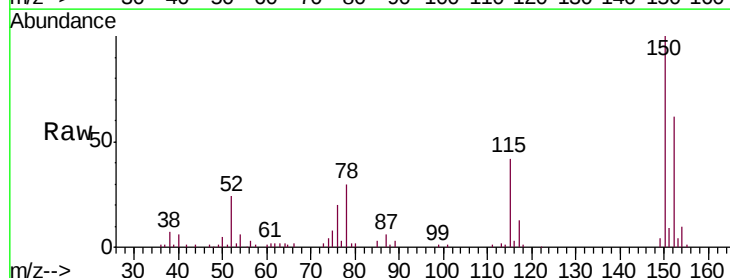
Acq: 18 Nov 2020 18:38

Tgt Ion: 75 Resp: 3300

Ion Ratio Lower Upper

75 100

77 33.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

