

Data File : VU041401.D
Acq On : 23 Nov 2020 20:38
Operator : SY/MD
Sample : L4849-10DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4400DL

Quant Time: Nov 24 01:56:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 24 01:52:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	66247	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	68357	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29183	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23735	5.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.00%
7) Chloroethane-d5	1.92	69	16428	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.58	63	35397	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.66	46	73798	62.22	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.44%
24) Chloroform-d	5.08	84	46921	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.72	65	28713	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.74	84	78554	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.70	67	28433	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.91	98	72533	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	8.19	79	11726	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.64	63	45031	56.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.94%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23450	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	26679	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

					Qvalue
5) Vinyl chloride	1.61	62	7860	1.358 ug/L #	1
8) Chloroethane	1.93	64	411	0.125 ug/L #	46
12) 1,1-Dichloroethene	2.58	96	236	0.058 ug/L #	1
13) Acetone	2.66	43	11947	14.903 ug/L	87
14) Carbon disulfide	2.81	76	1301	0.091 ug/L #	76
15) Methyl Acetate	2.97	43	269	0.142 ug/L #	55
16) Methylene chloride	3.06	84	6724	1.153 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	11288	1.111 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	1012	0.229 ug/L	92
19) 1,1-Dichloroethane	3.89	63	1604	0.182 ug/L	99
21) 2-Butanone	4.74	43	5852	4.596 ug/L #	62
22) cis-1,2-Dichloroethene	4.68	96	43837	9.318 ug/L	97
25) Chloroform	5.11	83	644	0.067 ug/L	98
27) 1,2-Dichloroethane	5.74	62	425	0.067 ug/L #	78
33) Benzene	5.79	78	1538	0.084 ug/L	100
34) Trichloroethene	6.56	95	3040	0.609 ug/L	97
35) Methylcyclohexane	6.70	83	6737	0.925 ug/L #	15

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112320\
Quantitation Report (Not Reviewed)

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QLast Update : Tue Nov 24 01:52:19 2020
Response via : Initial Calibration

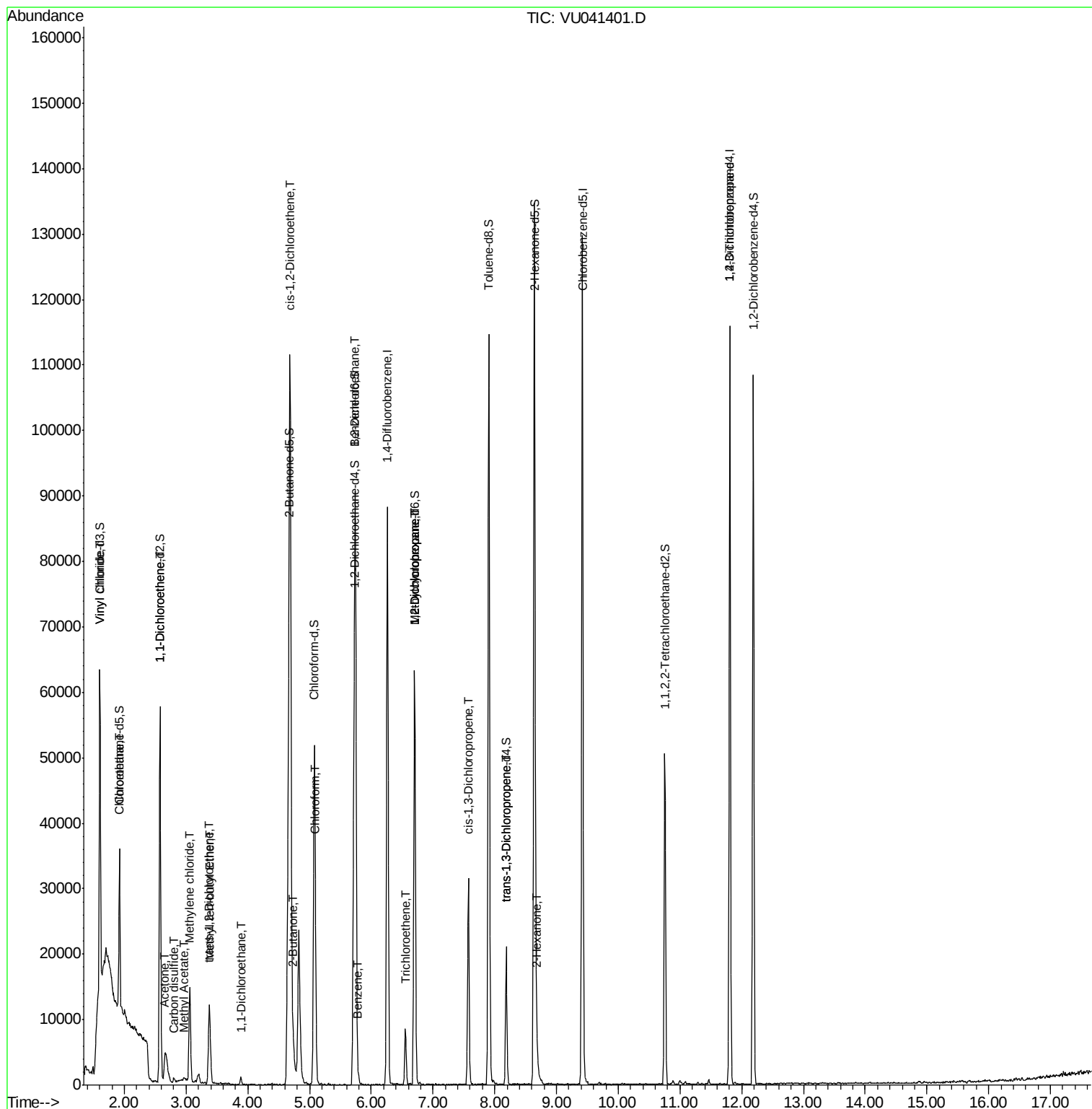
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,2-Dichloropropane	6.70	63	3348	0.666	ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	778	0.112	ug/L #	34
44) trans-1,3-Dichloropropene	8.18	75	522	0.082	ug/L #	70
48) 2-Hexanone	8.69	43	1592	0.703	ug/L #	47
59) 1,2,3-Trichloropropane	11.81	75	3431	1.044	ug/L #	87

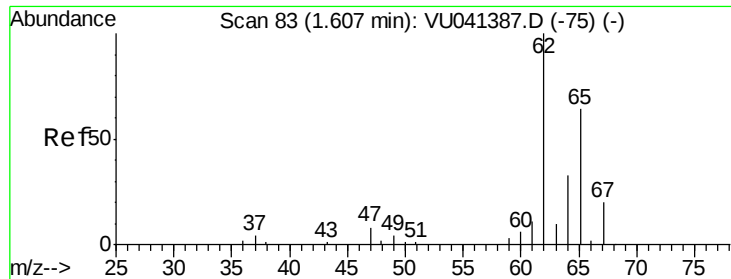
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.358 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041401.D

Acq: 23 Nov 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

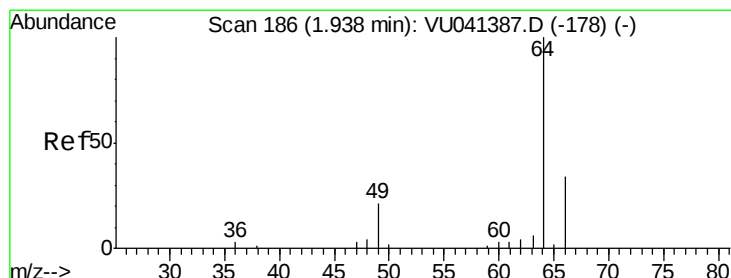
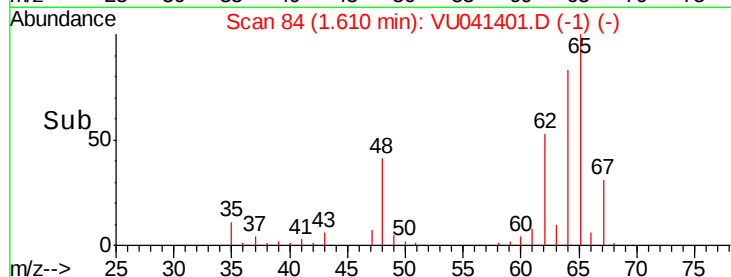
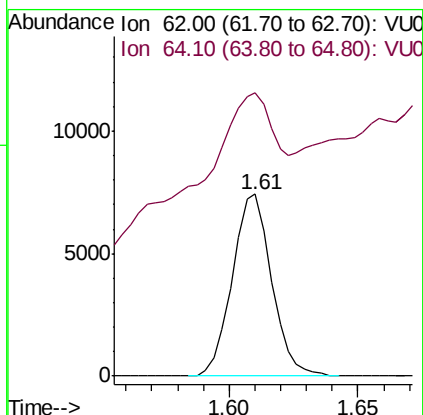
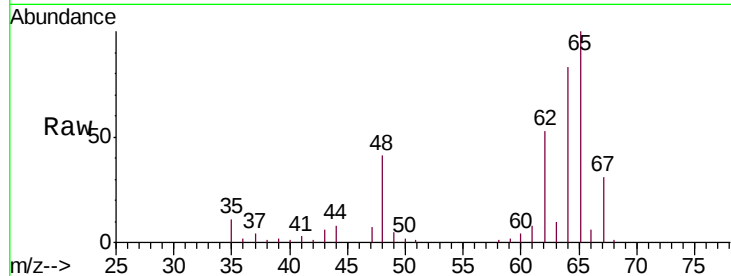
H4400DL

Tgt Ion: 62 Resp: 7860

Ion Ratio Lower Upper

62 100

64 155.6 23.8 44.2#



#8

Chloroethane

Concen: 0.125 ug/L

RT: 1.93 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU041401.D

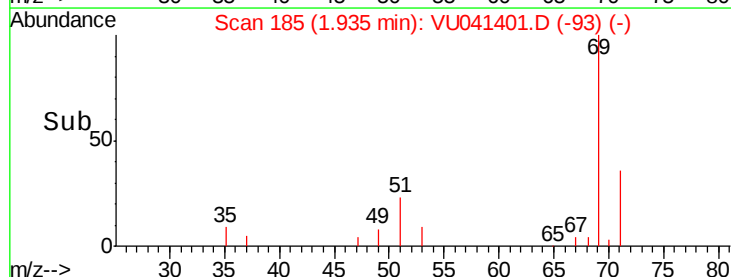
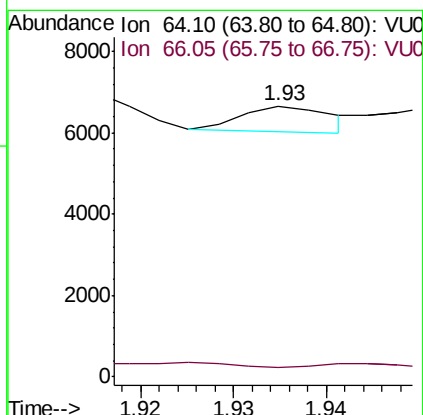
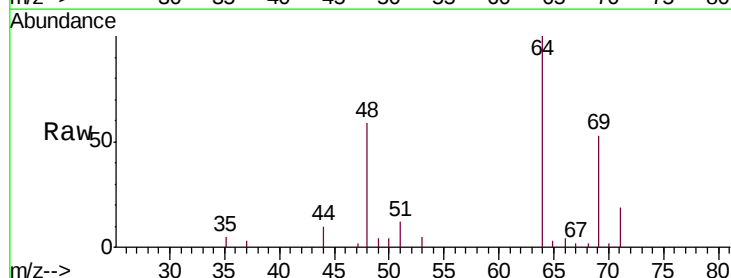
Acq: 23 Nov 2020 20:38

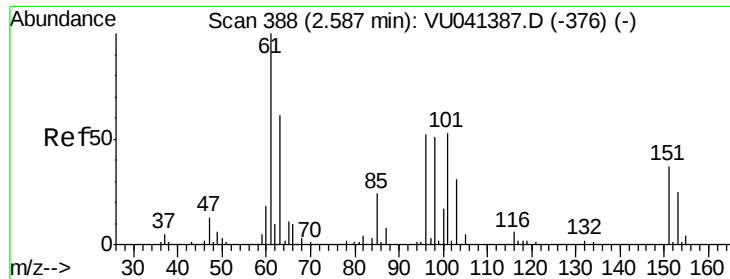
Tgt Ion: 64 Resp: 411

Ion Ratio Lower Upper

64 100

66 3.5 24.6 45.8#





#12

1,1-Dichloroethene

Concen: 0.058 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041401.D

Acq: 23 Nov 2020 20:38

Instrument :

MSVOA_U

ClientSampleID :

H4400DL

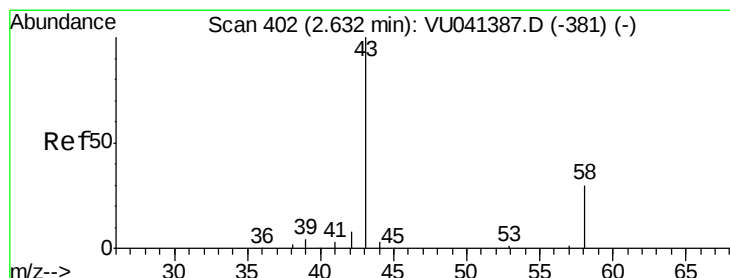
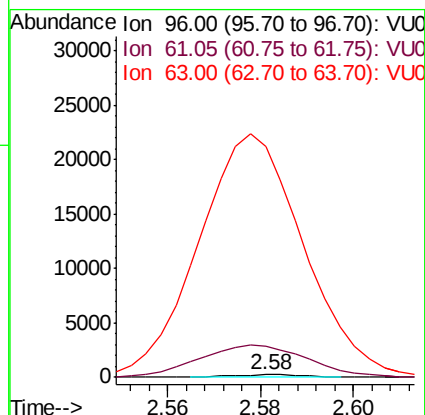
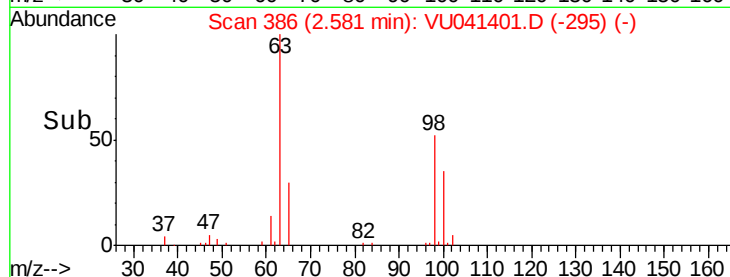
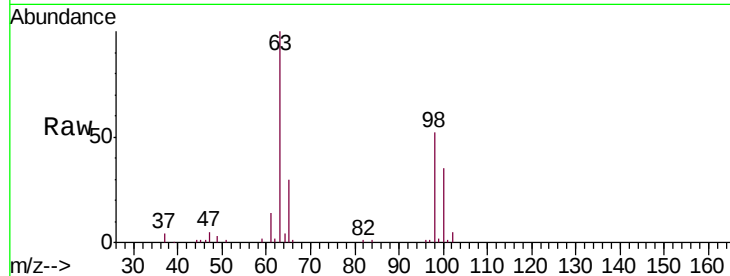
Tgt Ion: 96 Resp: 236

Ion Ratio Lower Upper

96 100

61 1170.3 129.8 241.2#

63 8611.4 79.2 147.0#



#13

Acetone

Concen: 14.903 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.03 min

Lab File: VU041401.D

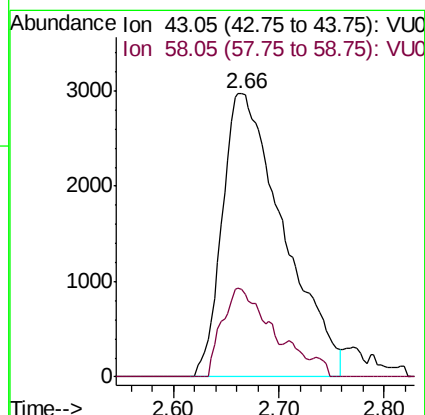
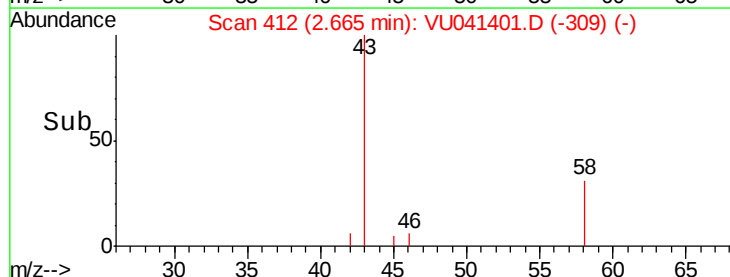
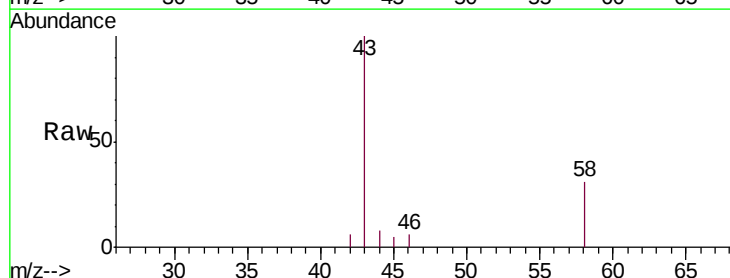
Acq: 23 Nov 2020 20:38

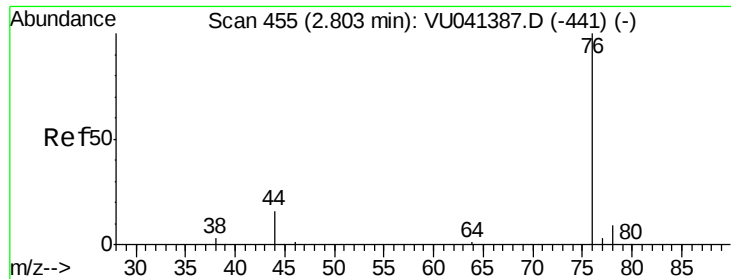
Tgt Ion: 43 Resp: 11947

Ion Ratio Lower Upper

43 100

58 22.2 0.0 57.8

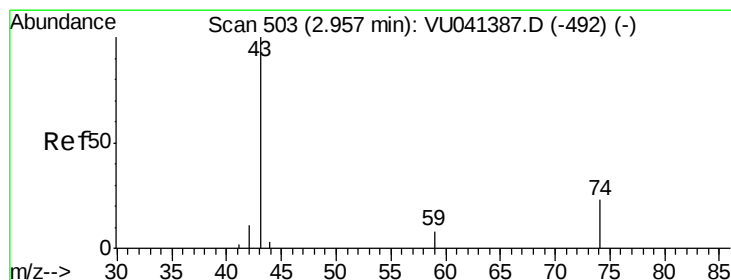
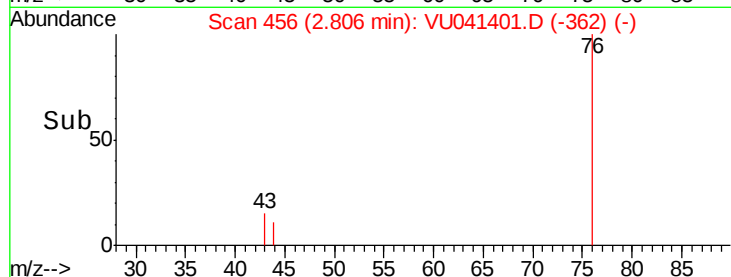
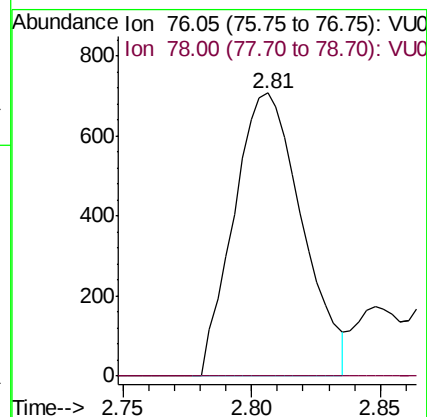
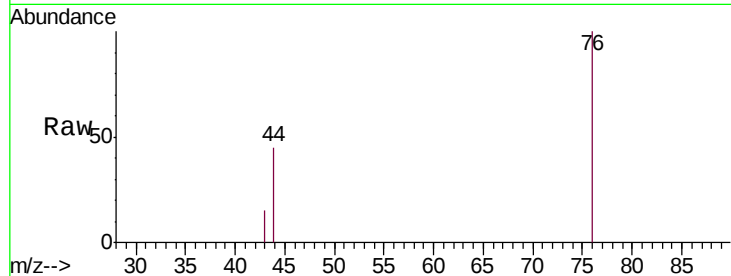




#14
Carbon disulfide
Concen: 0.091 ug/L
RT: 2.81 min Scan# 456
Delta R.T. 0.00 min
Lab File: VU041401.D
Acq: 23 Nov 2020 20:38

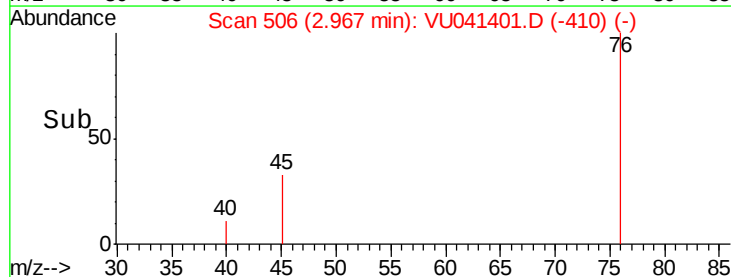
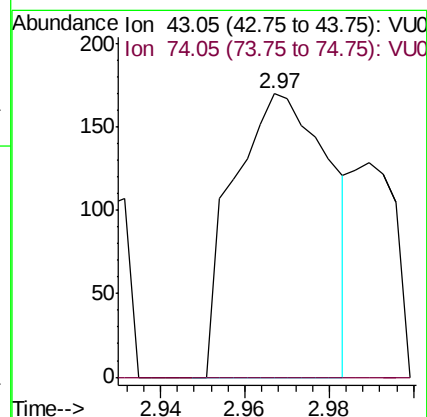
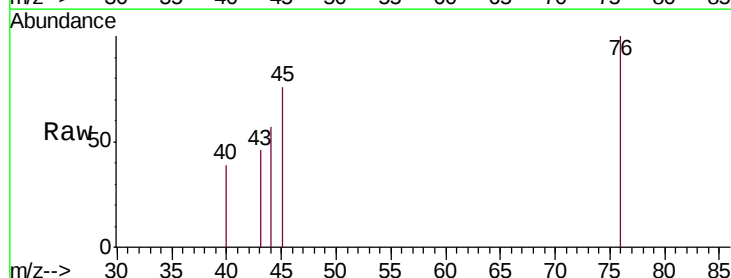
Instrument :
MSVOA_U
ClientSampleId :
H4400DL

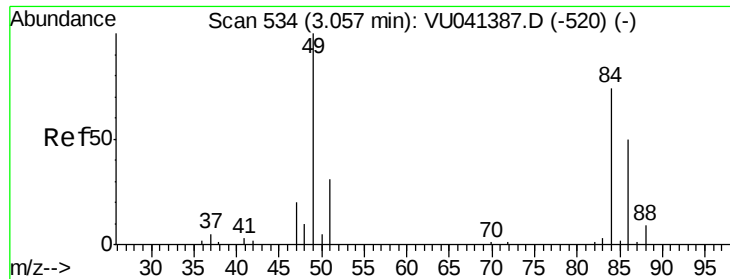
Tgt Ion: 76 Resp: 1301
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#15
Methyl Acetate
Concen: 0.142 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.01 min
Lab File: VU041401.D
Acq: 23 Nov 2020 20:38

Tgt Ion: 43 Resp: 269
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.6#

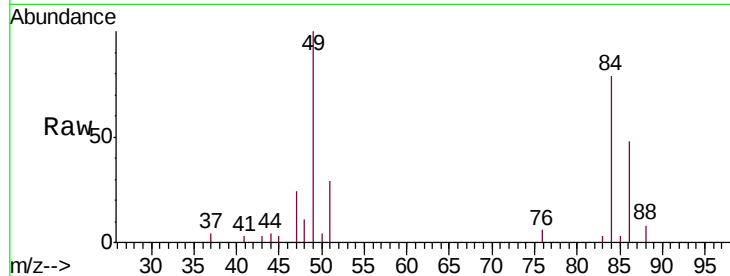




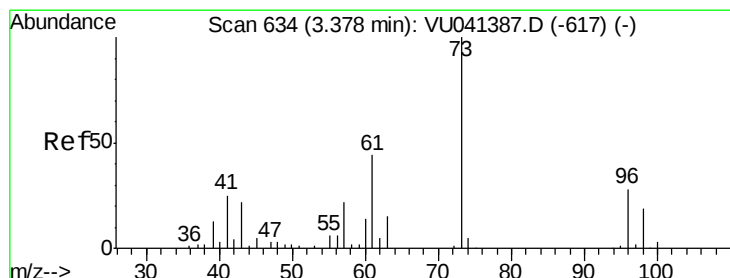
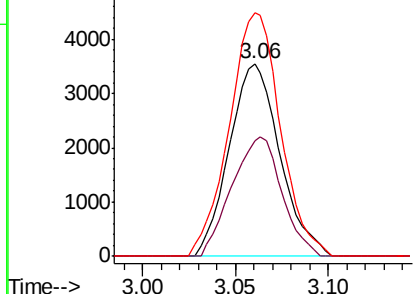
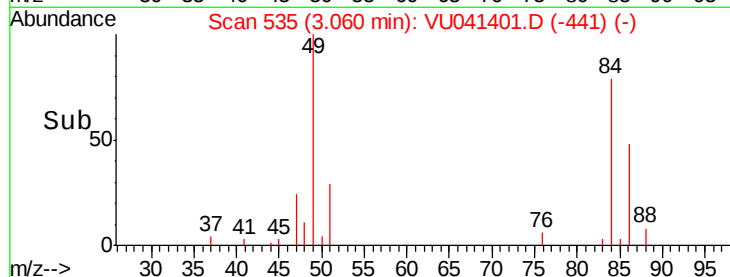
#16
Methylene chloride
Concen: 1.153 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041401.D
Acq: 23 Nov 2020 20:38

Instrument :
MSVOA_U
ClientSampleId :
H4400DL

Tgt Ion: 84 Resp: 6724
Ion Ratio Lower Upper
84 100
86 59.9 44.4 82.5
49 126.2 89.9 167.0

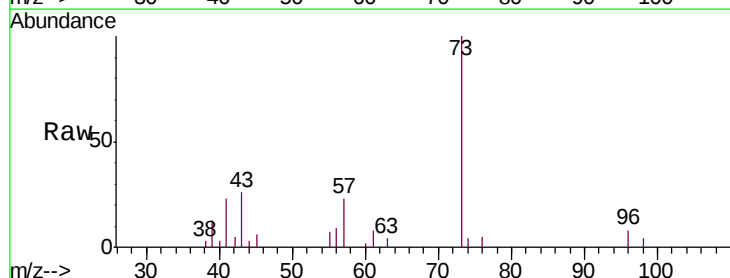


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

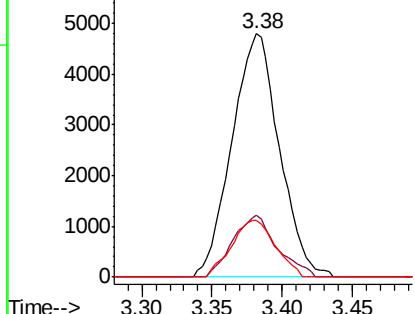
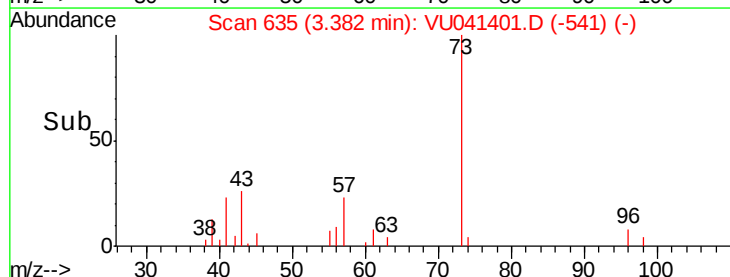


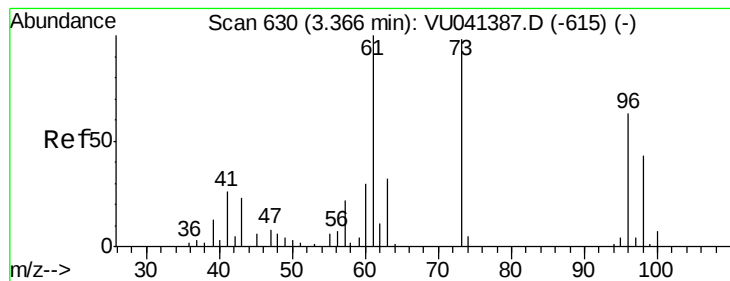
#17
Methyl tert-butyl Ether
Concen: 1.111 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041401.D
Acq: 23 Nov 2020 20:38

Tgt Ion: 73 Resp: 11288
Ion Ratio Lower Upper
73 100
43 23.6 18.3 27.5
57 21.6 17.7 26.5



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





#18

trans-1,2-Dichloroethene

Concen: 0.229 ug/L

RT: 3.37 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU041401.D

Acq: 23 Nov 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

H4400DL

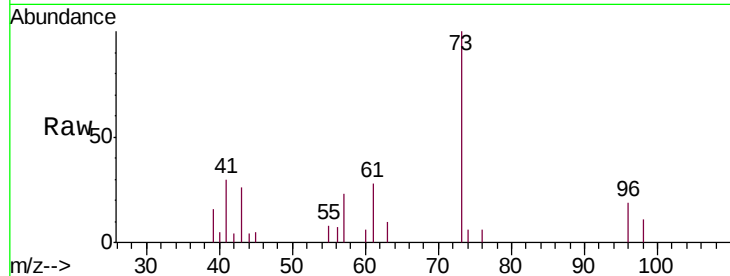
Tgt Ion: 96 Resp: 1012

Ion Ratio Lower Upper

96 100

61 142.8 103.7 192.5

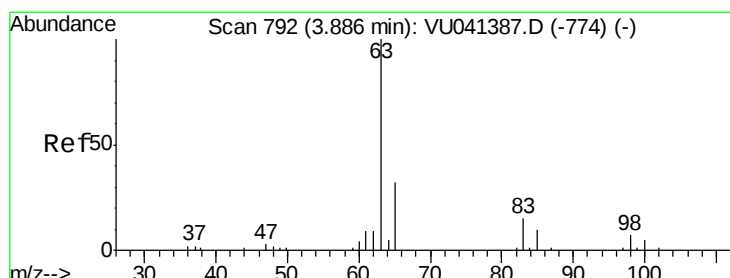
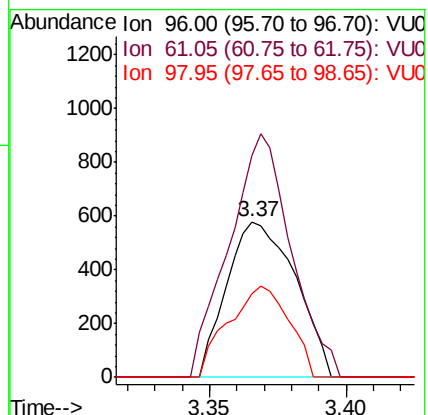
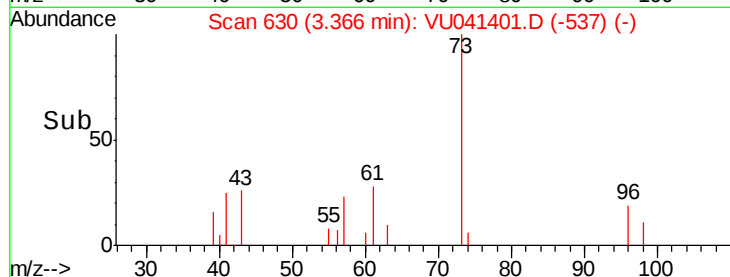
98 54.1 47.5 88.3



Abundance Ion 96.00 (95.70 to 96.70): VU041401.D (-537) (-)

Ion 61.05 (60.75 to 61.75): VU041401.D (-537) (-)

Ion 97.95 (97.65 to 98.65): VU041401.D (-537) (-)



#19

1,1-Dichloroethane

Concen: 0.182 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041401.D

Acq: 23 Nov 2020 20:38

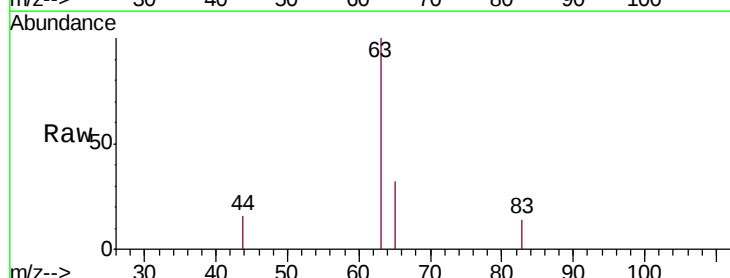
Tgt Ion: 63 Resp: 1604

Ion Ratio Lower Upper

63 100

65 32.4 23.0 42.8

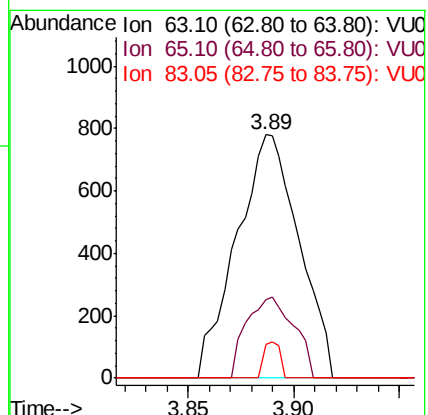
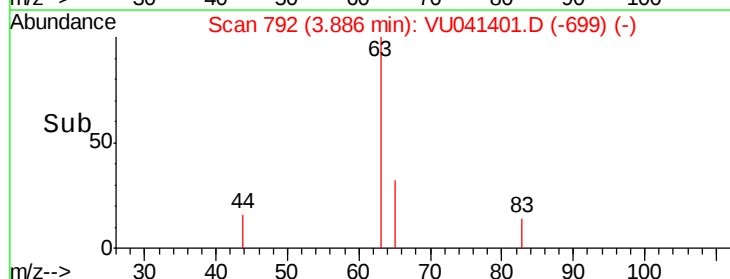
83 13.7 9.4 17.4

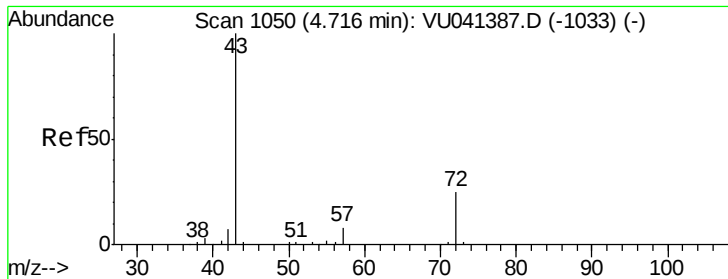


Abundance Ion 63.10 (62.80 to 63.80): VU041401.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU041401.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU041401.D (-699) (-)





#21

2-Butanone

Concen: 4.596 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VU041401.D

Acq: 23 Nov 2020 20:38

Instrument :

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ClientSampleId :

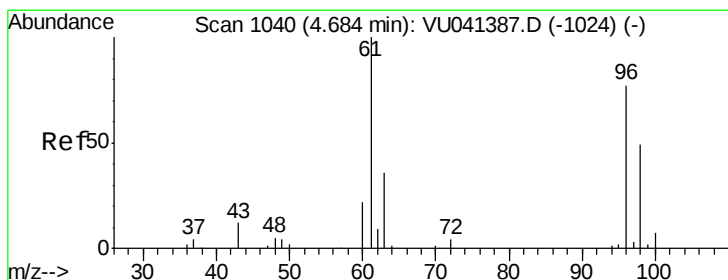
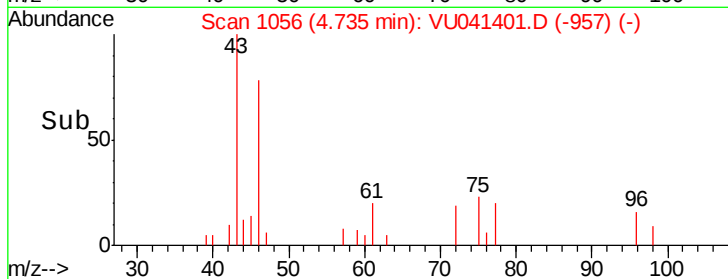
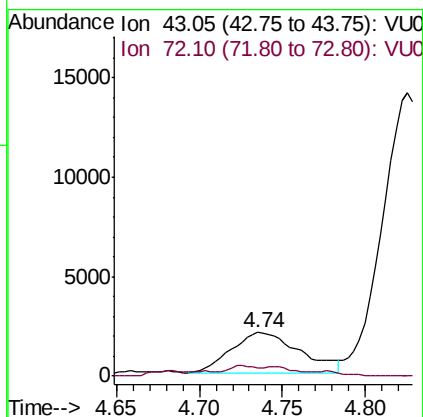
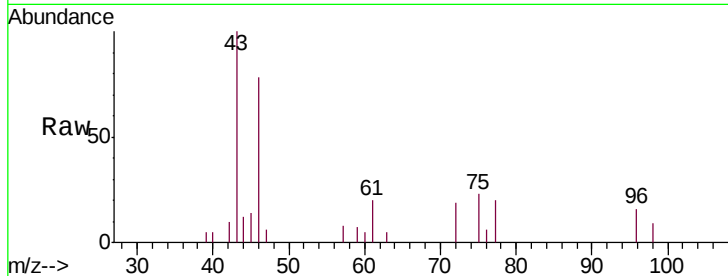
H4400DL

Tgt Ion: 43 Resp: 5852

Ion Ratio Lower Upper

43 100

72 5.8 12.6 37.6#



#22

cis-1,2-Dichloroethene

Concen: 9.318 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041401.D

Acq: 23 Nov 2020 20:38

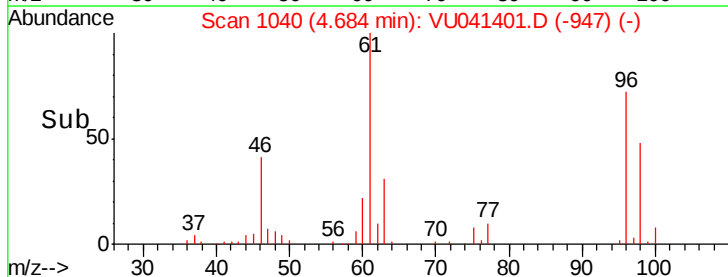
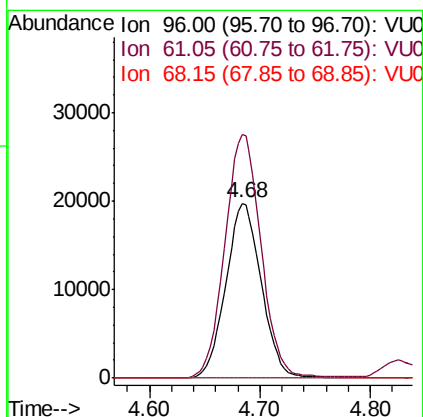
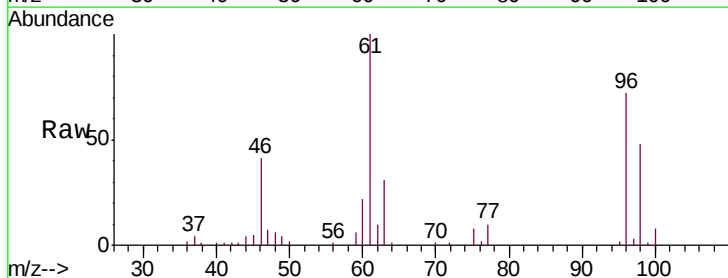
Tgt Ion: 96 Resp: 43837

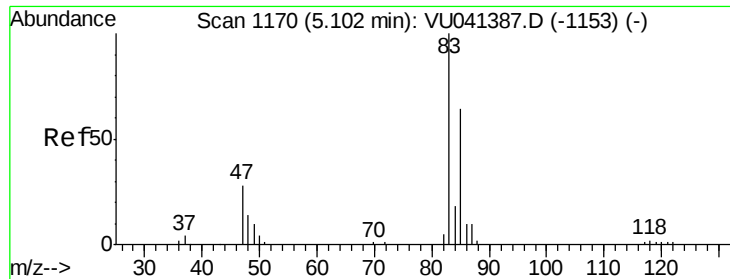
Ion Ratio Lower Upper

96 100

61 139.4 95.3 176.9

68 0.0 0.0 0.0

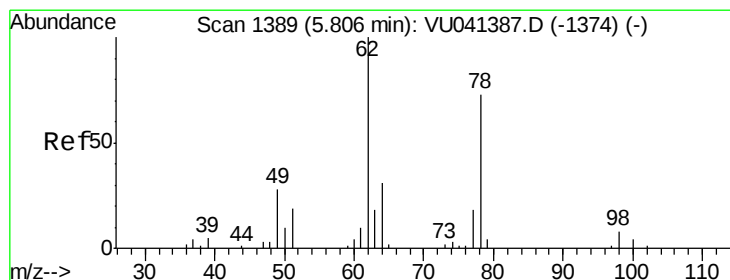
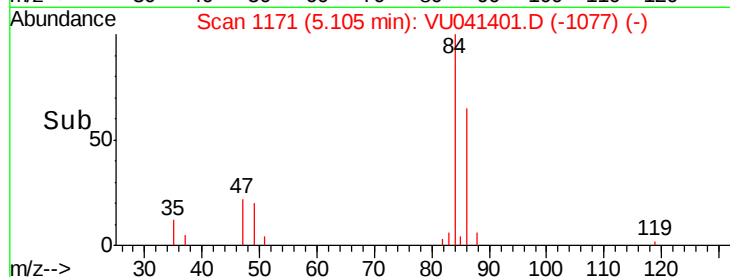
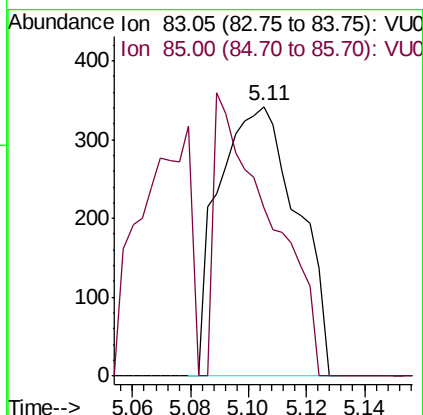
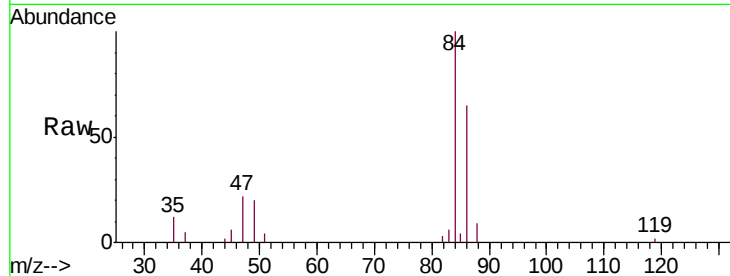




#25
Chloroform
Concen: 0.067 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041401.D
Acq: 23 Nov 2020 20:38

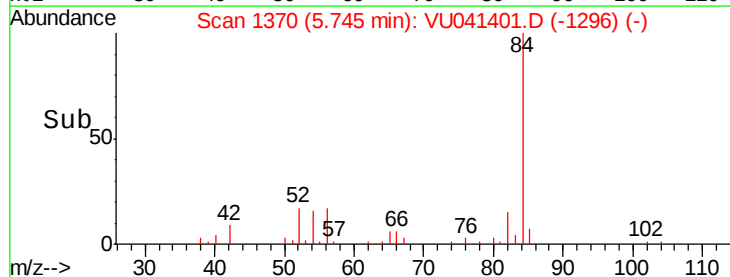
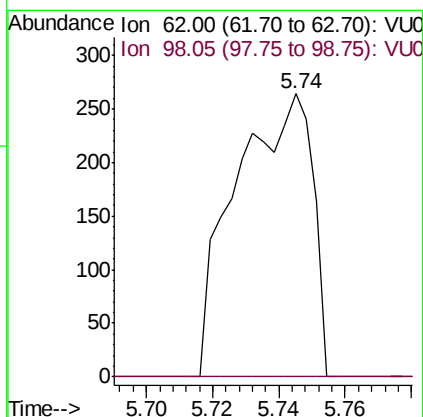
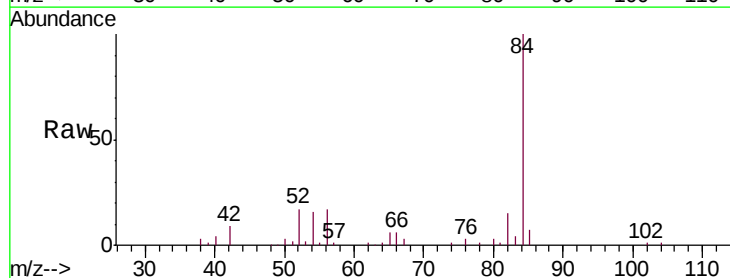
Instrument :
MSVOA_U
ClientSampleId :
H4400DL

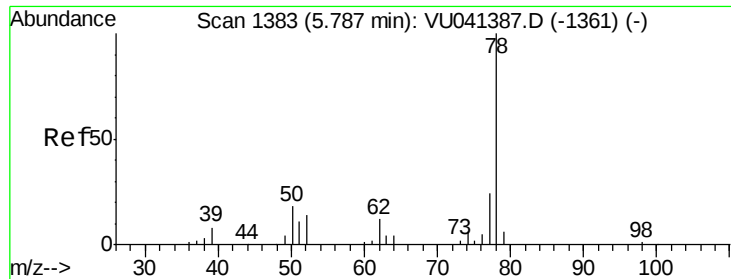
Tgt Ion: 83 Resp: 644
Ion Ratio Lower Upper
83 100
85 62.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.067 ug/L
RT: 5.74 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041401.D
Acq: 23 Nov 2020 20:38

Tgt Ion: 62 Resp: 425
Ion Ratio Lower Upper
62 100
98 0.0 6.0 9.0#

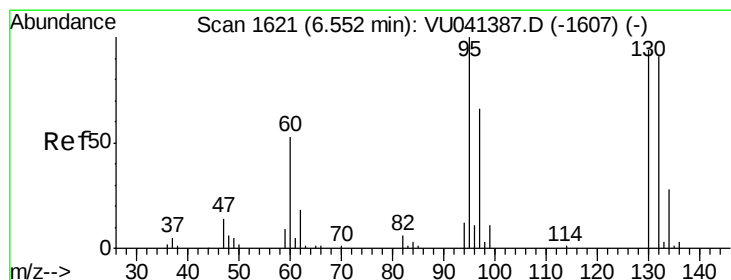
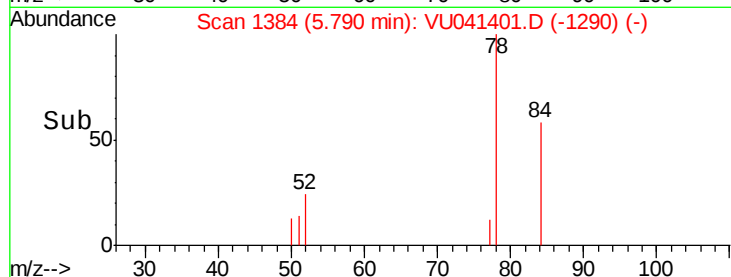
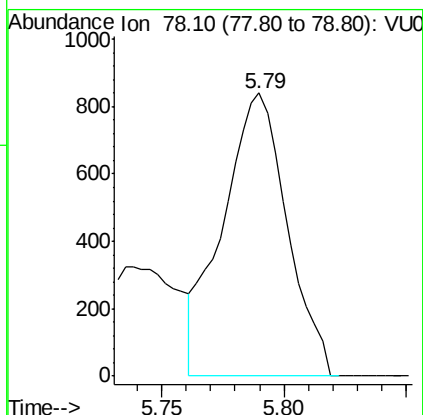
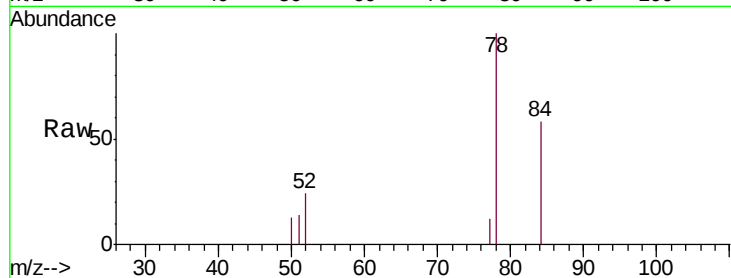




#33
Benzene
Concen: 0.084 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041401.D
Acq: 23 Nov 2020 20:38

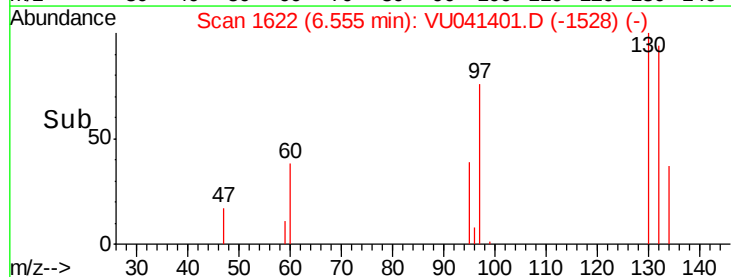
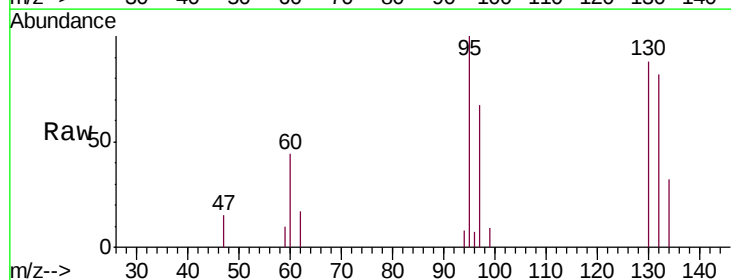
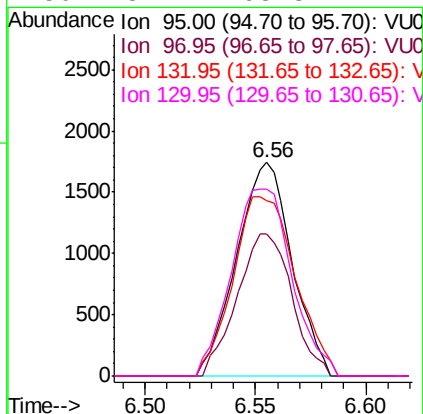
Instrument :
MSVOA_U
ClientSampleID :
H4400DL

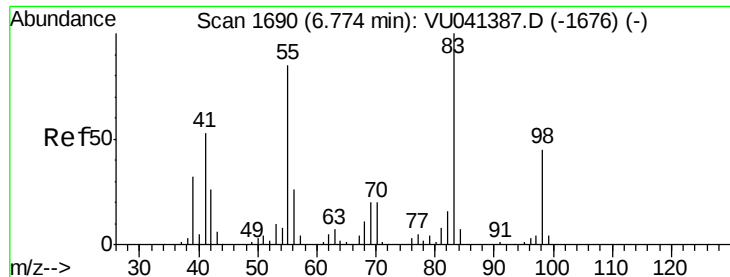
Tgt Ion: 78 Resp: 1538



#34
Trichloroethene
Concen: 0.609 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU041401.D
Acq: 23 Nov 2020 20:38

Tgt Ion: 95 Resp: 3040
Ion Ratio Lower Upper
95 100
97 66.8 46.5 86.5
132 82.2 60.8 113.0
130 87.7 63.3 117.7

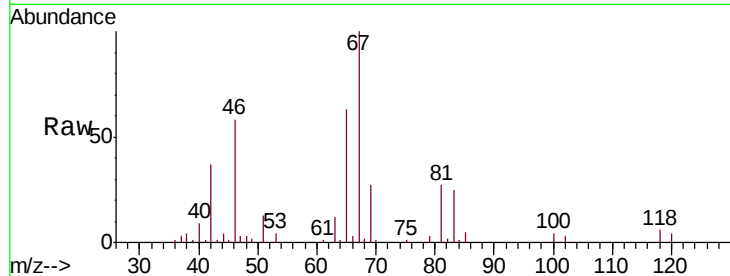




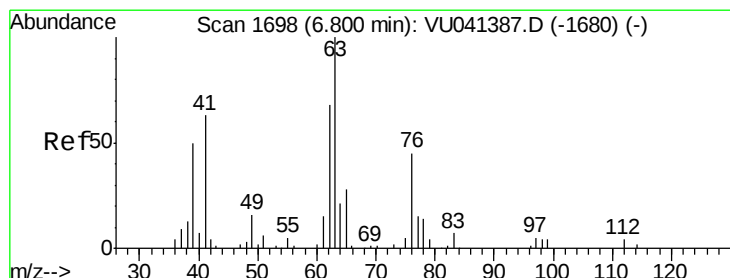
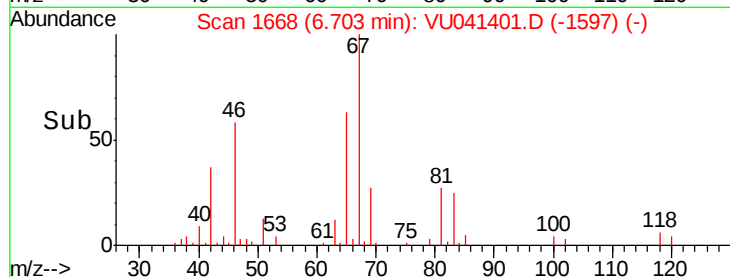
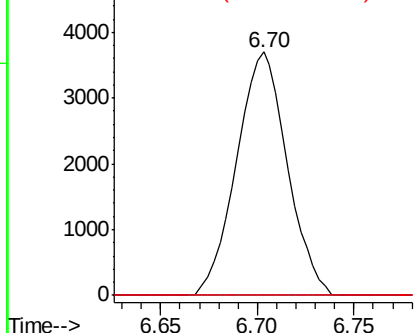
#35
Methylcyclohexane
Concen: 0.925 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041401.D
Acq: 23 Nov 2020 20:38

Instrument :
MSVOA_U
ClientSampleId :
H4400DL

Tgt Ion: 83 Resp: 6737
Ion Ratio Lower Upper
83 100
55 0.0 68.4 102.6#
98 0.0 36.5 54.7#

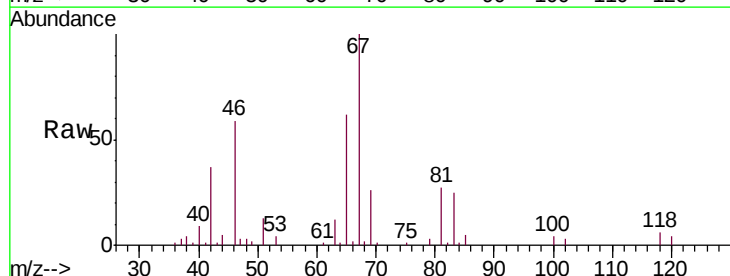


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

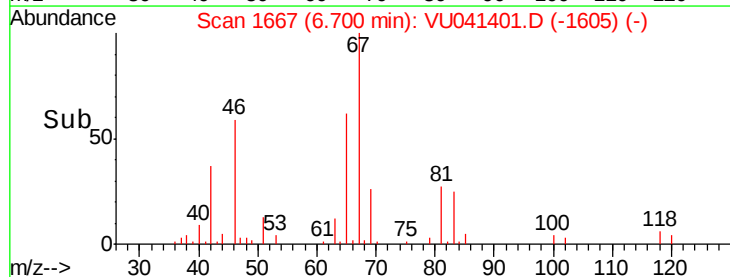
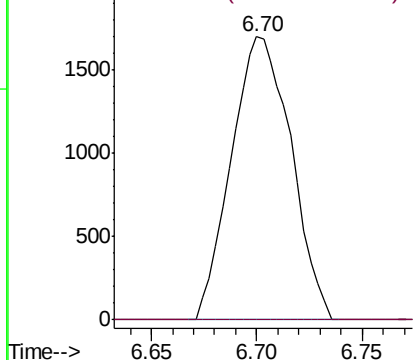


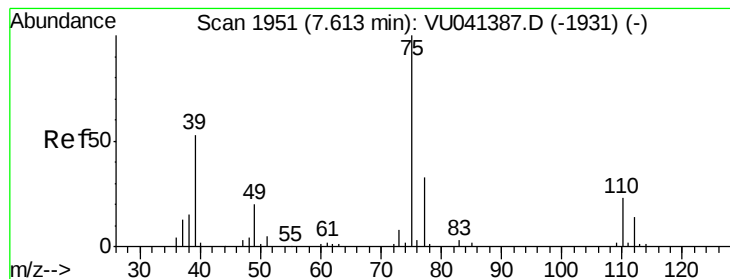
#37
1,2-Dichloropropane
Concen: 0.666 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041401.D
Acq: 23 Nov 2020 20:38

Tgt Ion: 63 Resp: 3348
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#



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: 0.112 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041401.D

Acq: 23 Nov 2020 20:38

Instrument :

MSVOA_U

ClientSampleId :

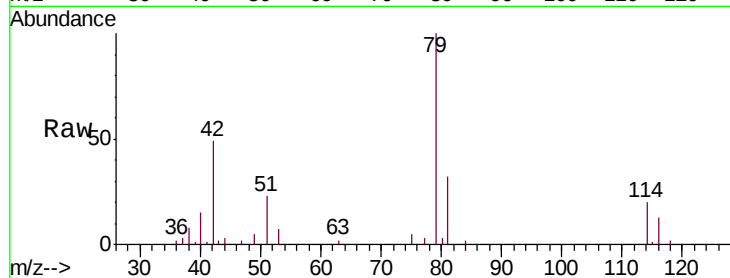
H4400DL

Tgt Ion: 75 Resp: 778

Ion Ratio Lower Upper

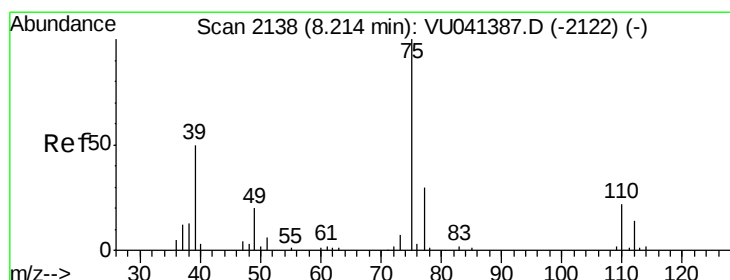
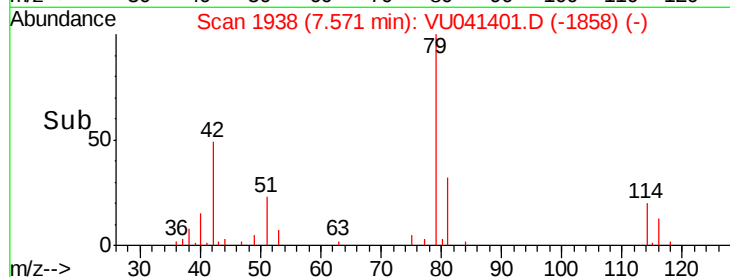
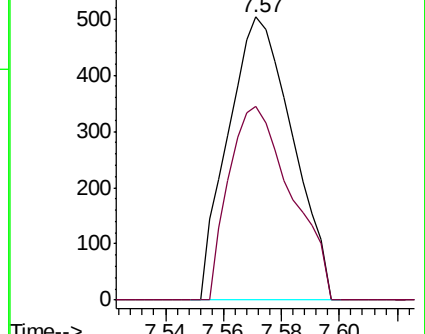
75 100

77 68.4 22.1 41.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041401.D

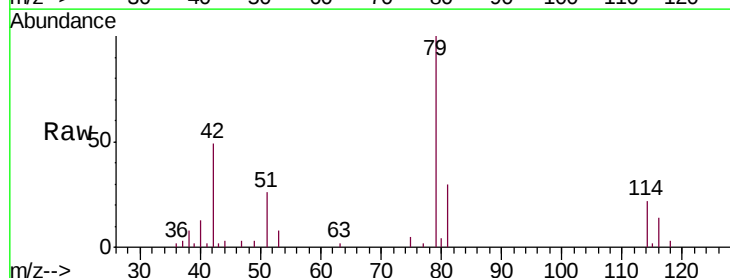
Acq: 23 Nov 2020 20:38

Tgt Ion: 75 Resp: 522

Ion Ratio Lower Upper

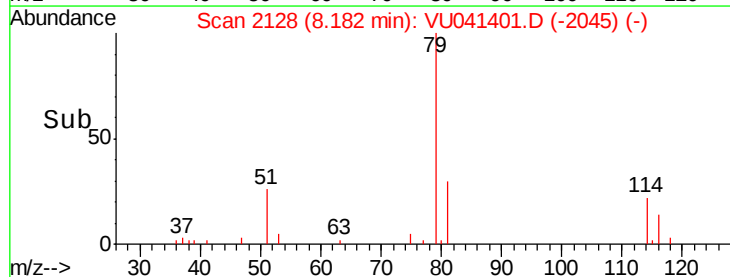
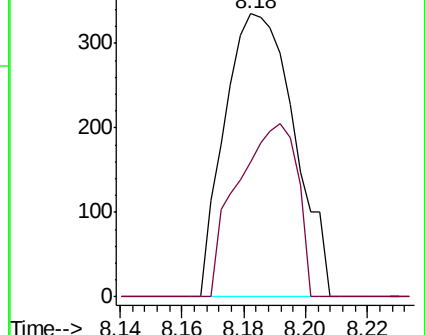
75 100

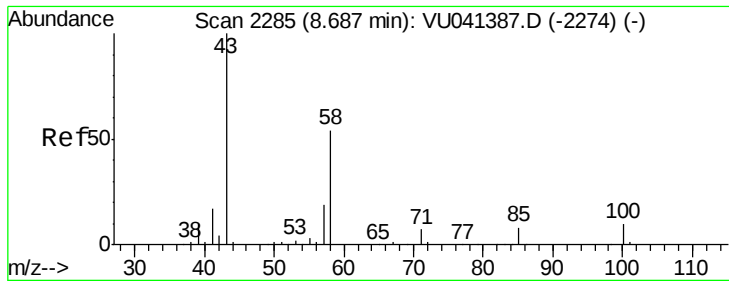
77 47.5 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#48

2-Hexanone

Concen: 0.703 ug/L

RT: 8.69 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VU041401.D

Acq: 23 Nov 2020 20:38

Instrument :

MSVOA_U

ClientSampleID :

H4400DL

Tgt Ion: 43 Resp: 1592

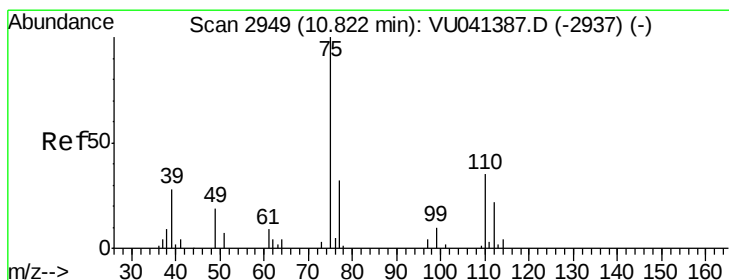
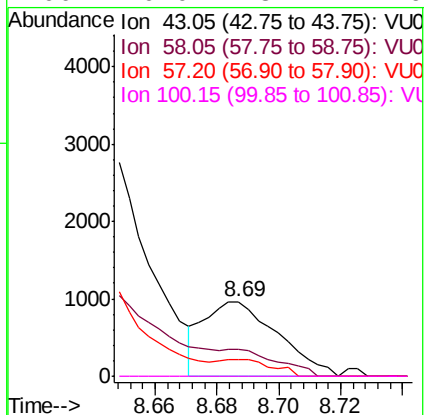
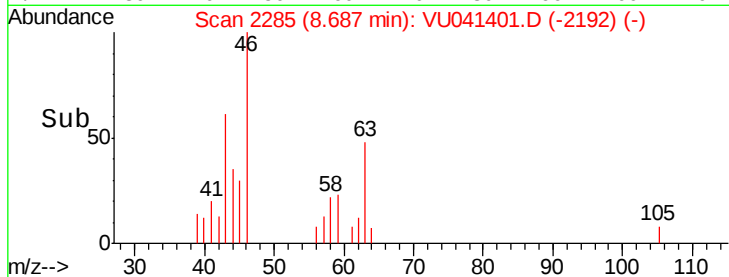
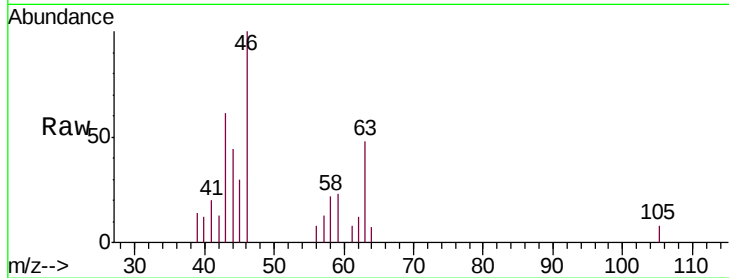
Ion Ratio Lower Upper

43 100

58 0.0 42.0 63.0#

57 16.5 15.0 22.4

100 0.0 8.4 12.6#



#59

1,2,3-Trichloropropane

Concen: 1.044 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041401.D

Acq: 23 Nov 2020 20:38

Tgt Ion: 75 Resp: 3431

Ion Ratio Lower Upper

75 100

77 38.7 25.1 37.7#

