

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112420\
 Data File : VU041417.D
 Acq On : 24 Nov 2020 14:56
 Operator : SY/MD
 Sample : L4849-09DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4422DL

Quant Time: Nov 25 07:39:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 25 07:37:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	61834	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	65207	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28742	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17933	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.92	69	14075	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.58	63	28773	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.65	46	61970	55.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.94%
24) Chloroform-d	5.08	84	41512	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.72	65	28282	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
32) Benzene-d6	5.74	84	71680	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.70	67	23620	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.90	98	59691	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	8.19	79	10210	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.64	63	44122	58.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22268	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	25006	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

					Ovalue
3) Chloromethane	1.61	50	562	0.111 ug/L #	43
5) Vinyl chloride	1.61	62	53281	9.860 ug/L	97
8) Chloroethane	1.81	64	382	0.125 ug/L #	40
14) Carbon disulfide	2.81	76	641	0.048 ug/L #	76
16) Methylene chloride	3.06	84	1071	0.197 ug/L	95
17) Methyl tert-butyl Ether	3.38	73	3588	0.378 ug/L	94
18) trans-1,2-Dichloroethene	3.37	96	791	0.192 ug/L	80
19) 1,1-Dichloroethane	3.89	63	604	0.074 ug/L #	49
22) cis-1,2-Dichloroethene	4.68	96	22662	5.161 ug/L	99
25) Chloroform	5.11	83	1100	0.122 ug/L	98
27) 1,2-Dichloroethane	5.74	62	421	0.072 ug/L #	78
33) Benzene	5.79	78	817	0.047 ug/L	100
35) Methylcyclohexane	6.70	83	6020	0.867 ug/L #	15
37) 1,2-Dichloropropane	6.71	63	2960	0.617 ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	713	0.108 ug/L #	74
44) trans-1,3-Dichloropropene	8.19	75	438	0.072 ug/L #	68
48) 2-Hexanone	8.68	43	1385	0.641 ug/L #	48

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QLast Update : Wed Nov 25 07:37:29 2020
Response via : Initial Calibration

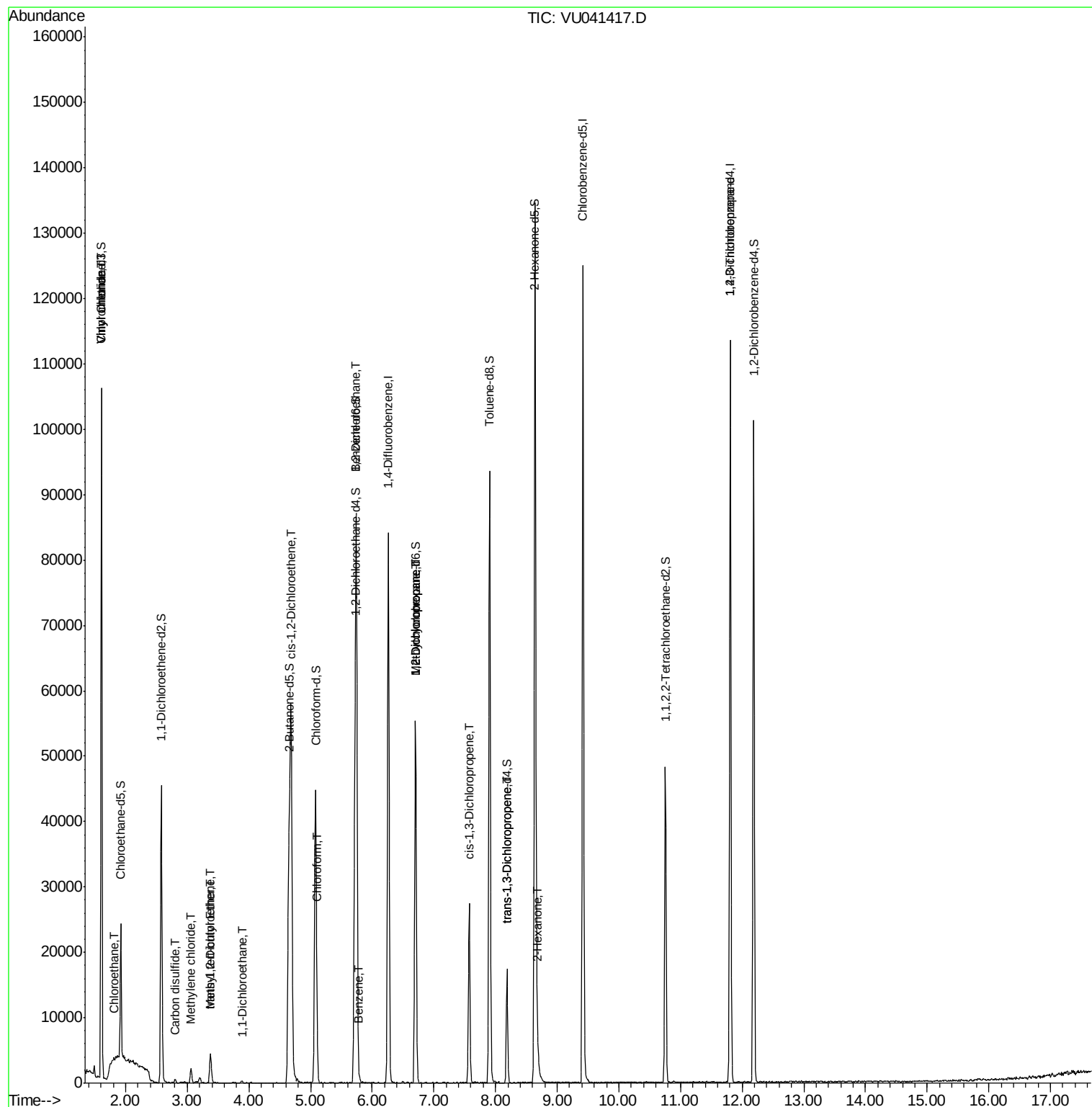
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	3541	1.130	ug/L #	86

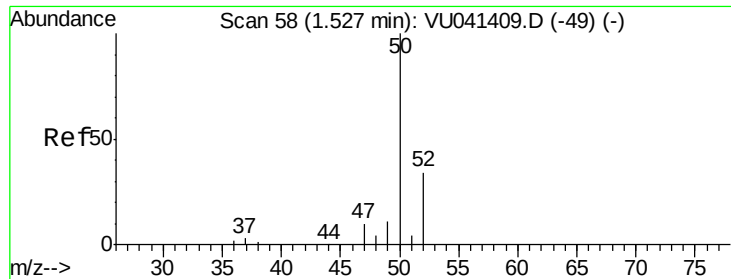
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.111 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.08 min

Lab File: VU041417.D

Acq: 24 Nov 2020 14:56

Instrument :

MSVOA_U

ClientSampled :

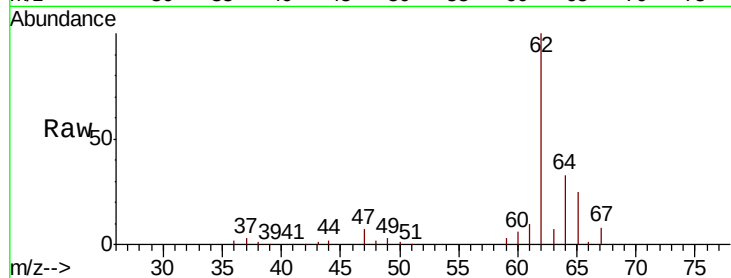
H4422DL

Tot Ion: 50 Resp: 562

Ion Ratio Lower Upper

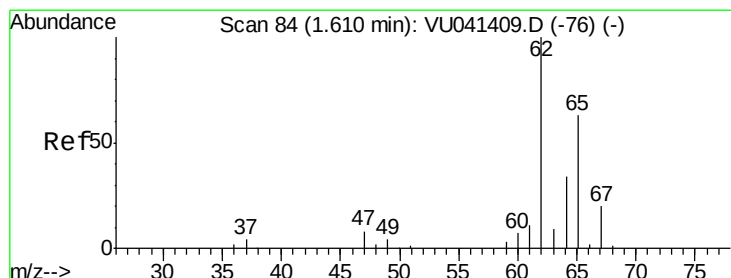
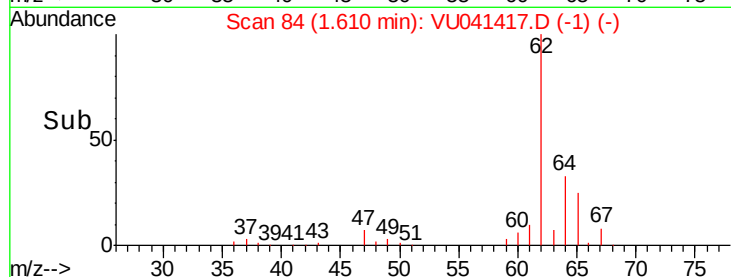
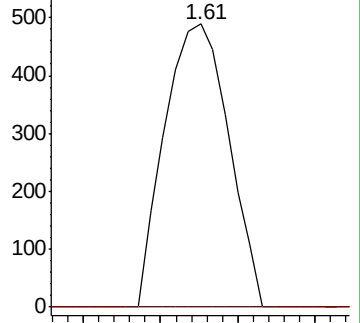
50 100

52 0.0 22.3 41.5#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 9.860 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041417.D

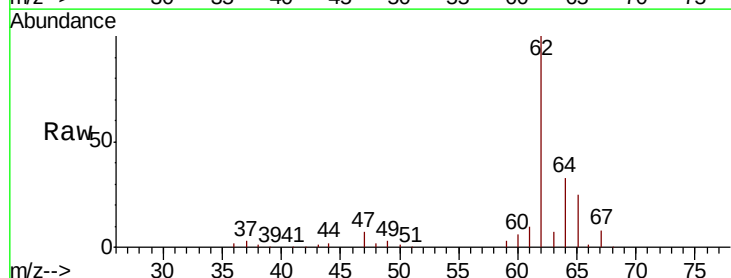
Acq: 24 Nov 2020 14:56

Tgt Ion: 62 Resp: 53281

Ion Ratio Lower Upper

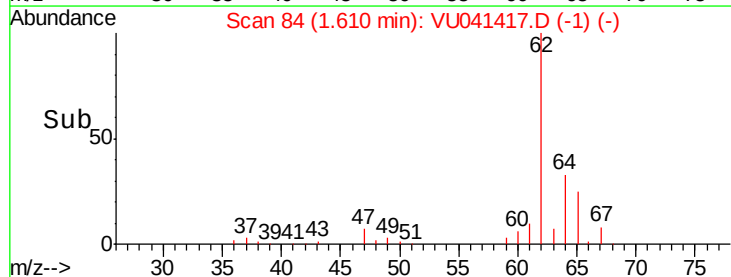
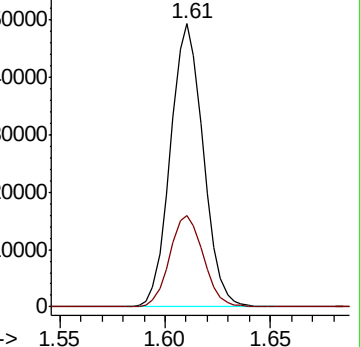
62 100

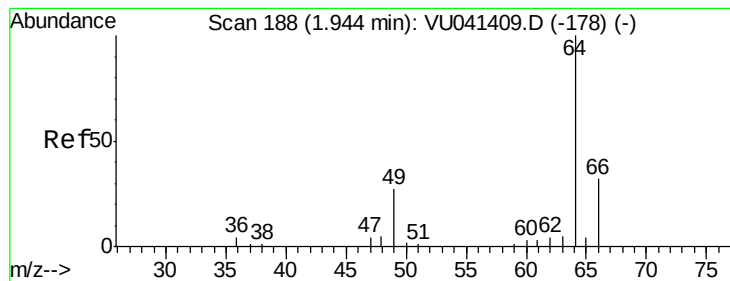
64 32.5 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#8

Chloroethane

Concen: 0.125 ug/L

RT: 1.81 min Scan# 147

Delta R.T. -0.13 min

Lab File: VU041417.D

Acq: 24 Nov 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

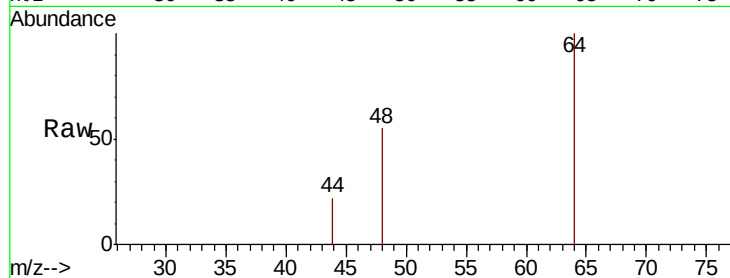
H4422DL

Tot Ion: 64 Resp: 382

Ion Ratio Lower Upper

64 100

66 0.0 24.6 45.8#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.81

2000

1500

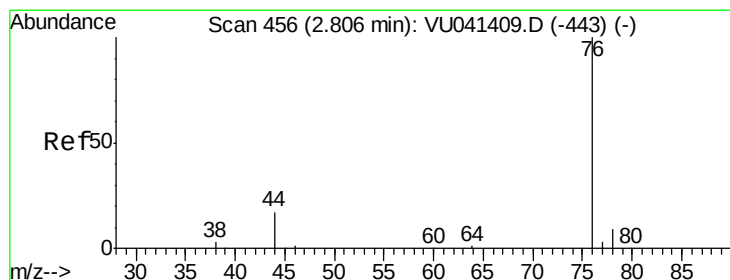
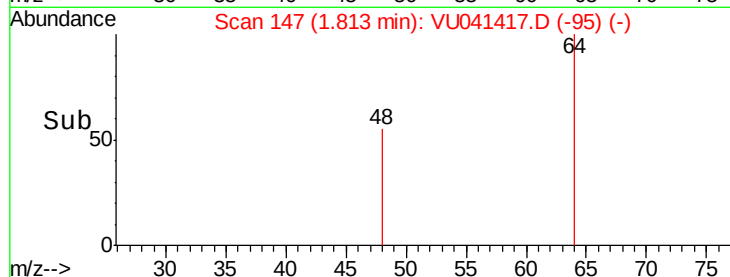
1000

500

0

1.80 1.81 1.82

Time-->



#14

Carbon disulfide

Concen: 0.048 ug/L

RT: 2.81 min Scan# 458

Delta R.T. 0.01 min

Lab File: VU041417.D

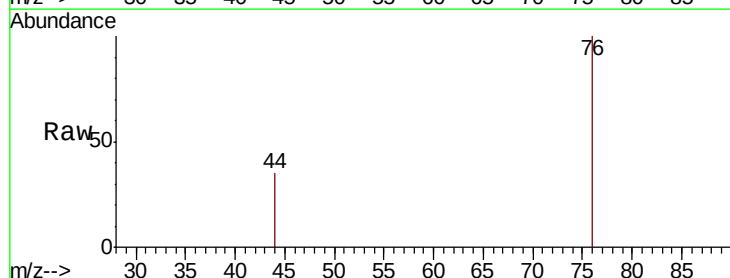
Acq: 24 Nov 2020 14:56

Tgt Ion: 76 Resp: 641

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

400

300

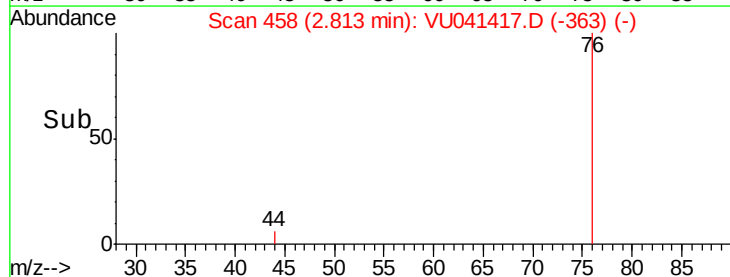
200

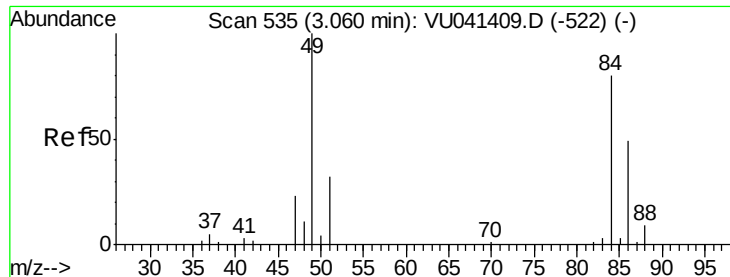
100

0

2.78 2.80 2.82 2.84

Time-->

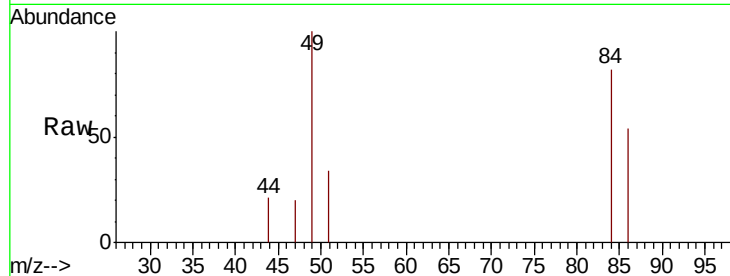




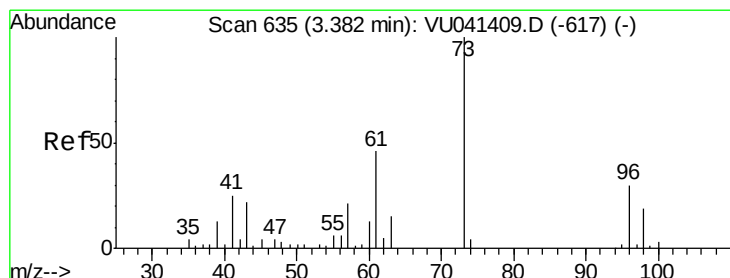
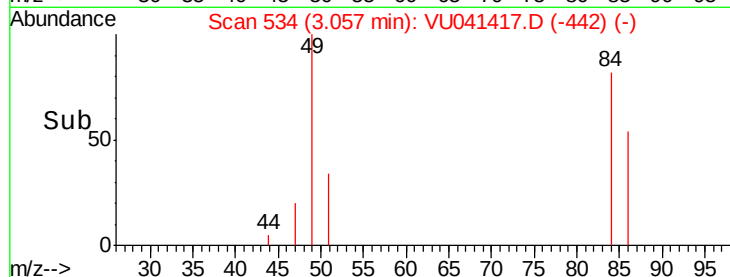
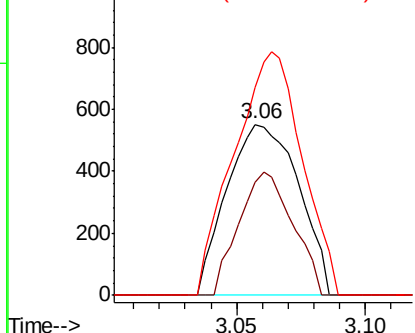
#16
Methylene chloride
Concen: 0.197 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041417.D
Acq: 24 Nov 2020 14:56

Instrument :
MSVOA_U
ClientSampleId :
H4422DL

Tot Ion: 84 Resp: 1071
Ion Ratio Lower Upper
84 100
86 66.3 44.4 82.5
49 121.7 89.9 167.0

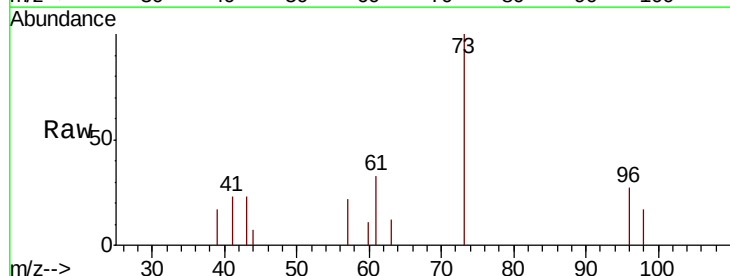


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

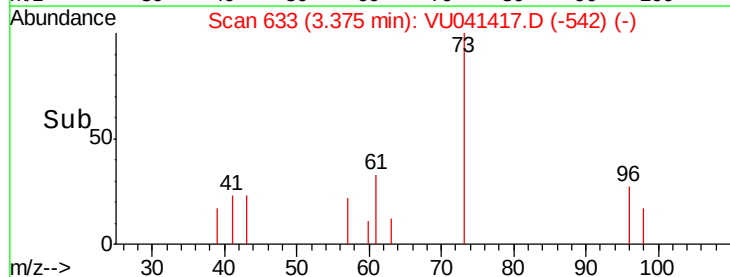
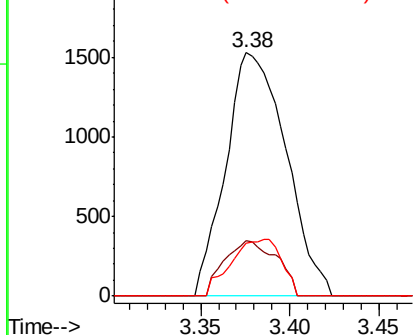


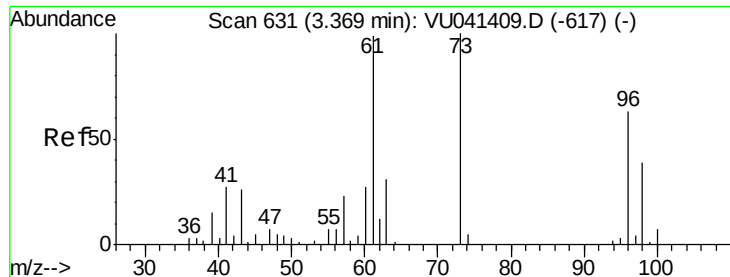
#17
Methyl tert-butyl Ether
Concen: 0.378 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.01 min
Lab File: VU041417.D
Acq: 24 Nov 2020 14:56

Tgt Ion: 73 Resp: 3588
Ion Ratio Lower Upper
73 100
43 19.8 18.3 27.5
57 19.6 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

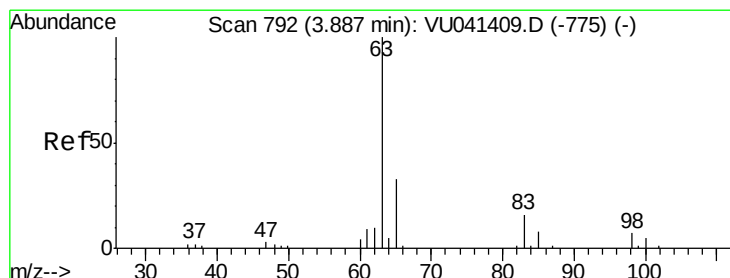
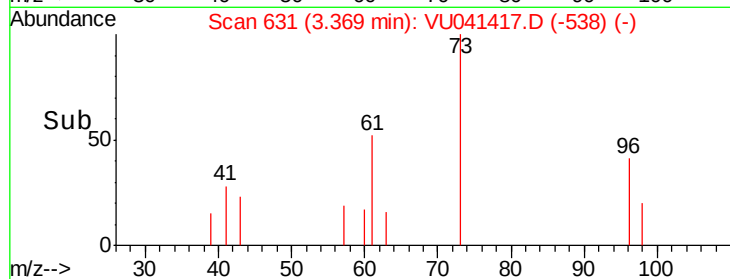
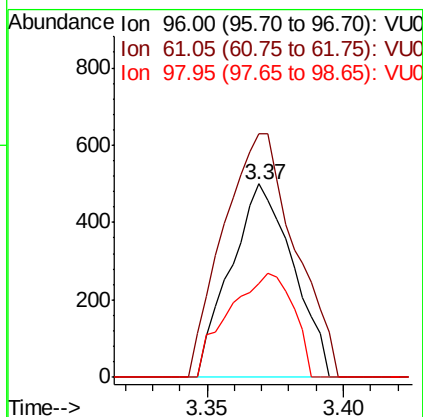
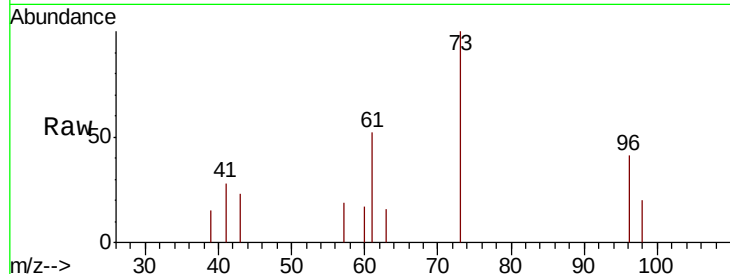




#18
 trans-1,2-Dichloroethene
 Concen: 0.192 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU041417.D
 Acq: 24 Nov 2020 14:56

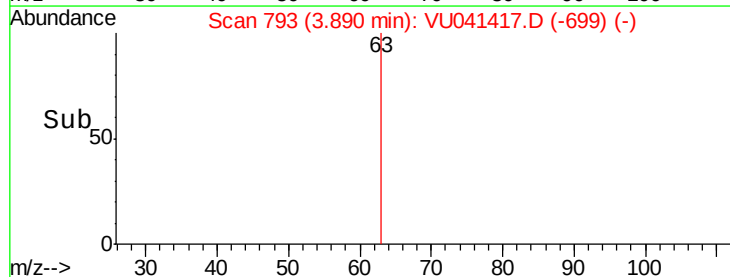
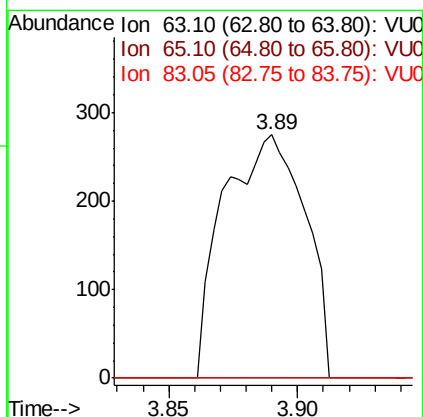
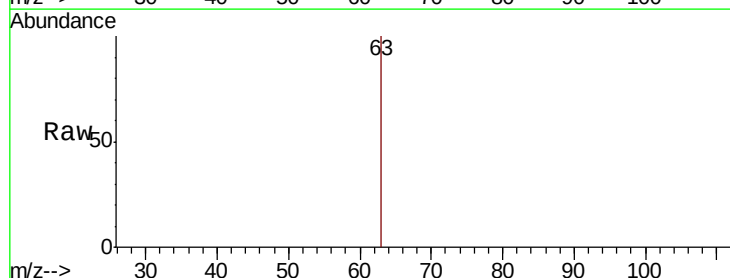
Instrument :
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 ClientSampleId :
 H4422DL

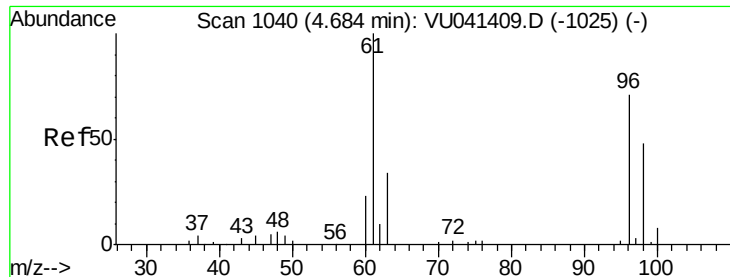
Tot Ion: 96 Resp: 791
 Ion Ratio Lower Upper
 96 100
 61 126.1 103.7 192.5
 98 48.5 47.5 88.3



#19
 1,1-Dichloroethane
 Concen: 0.074 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041417.D
 Acq: 24 Nov 2020 14:56

Tgt Ion: 63 Resp: 604
 Ion Ratio Lower Upper
 63 100
 65 0.0 23.0 42.8#
 83 0.0 9.4 17.4#





#22

cis-1,2-Dichloroethene

Concen: 5.161 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041417.D

Acq: 24 Nov 2020 14:56

Instrument :

MSVOA_U

ClientSampleId :

H4422DL

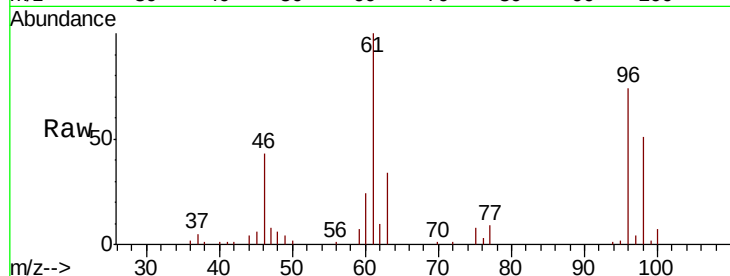
Tot Ion: 96 Resp: 22662

Ion Ratio Lower Upper

96 100

61 135.1 95.3 176.9

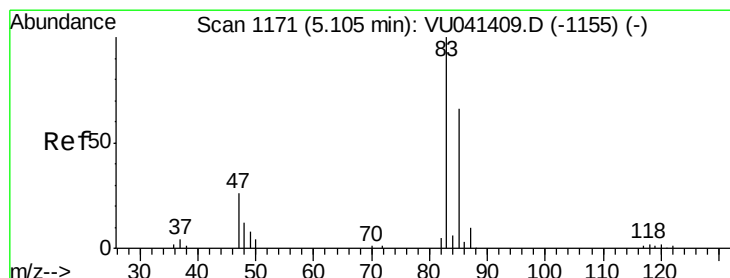
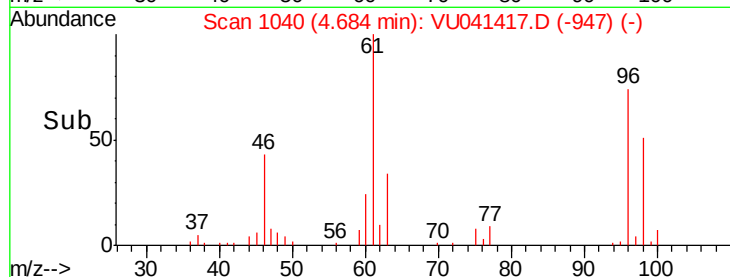
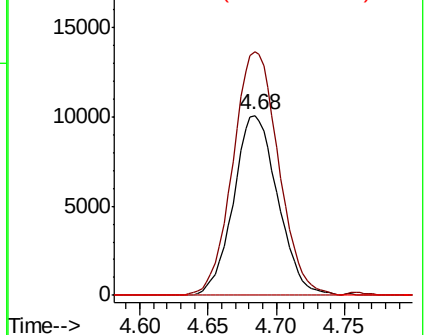
68 0.0 0.0 0.0



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: 0.122 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU041417.D

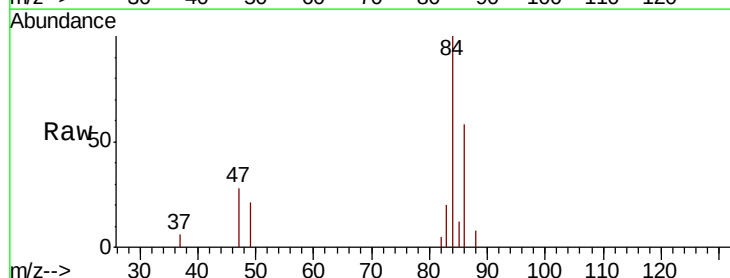
Acq: 24 Nov 2020 14:56

Tgt Ion: 83 Resp: 1100

Ion Ratio Lower Upper

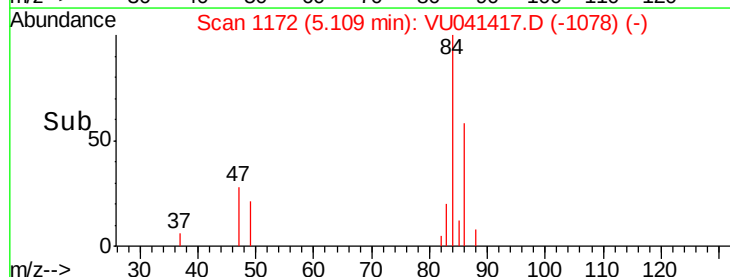
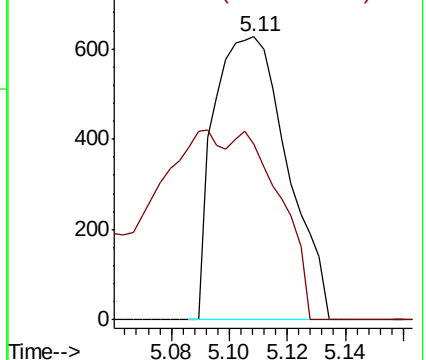
83 100

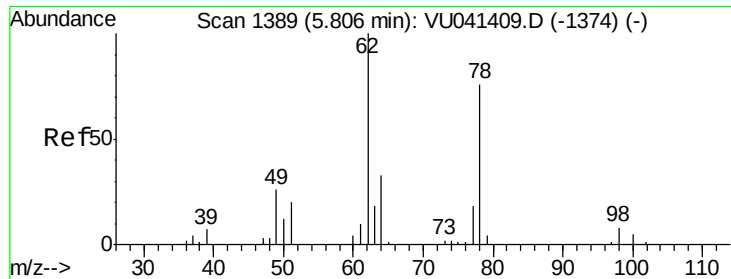
85 62.0 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

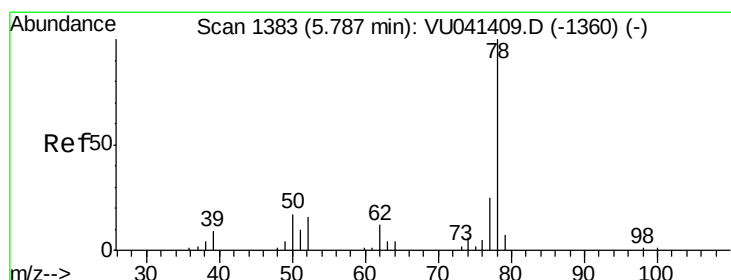
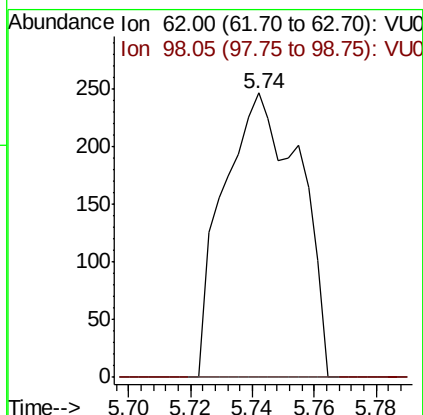
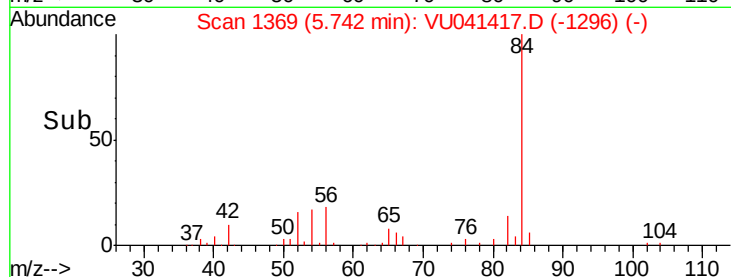
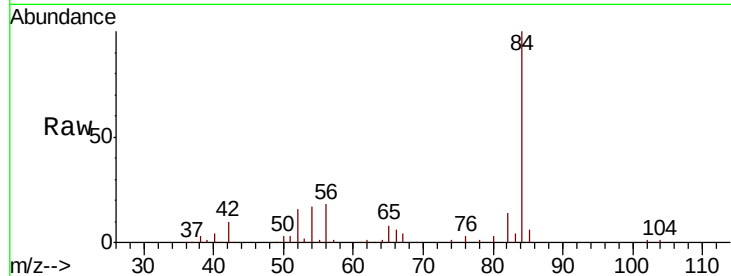




#27
 1,2-Dichloroethane
 Concen: 0.072 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.06 min
 Lab File: VU041417.D
 Acq: 24 Nov 2020 14:56

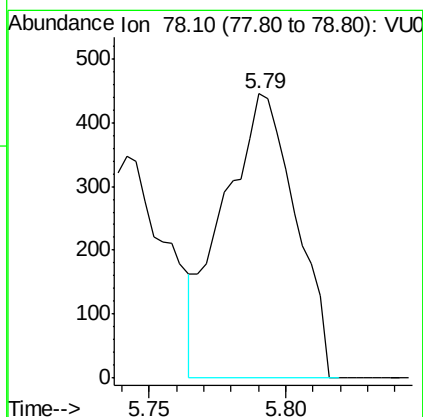
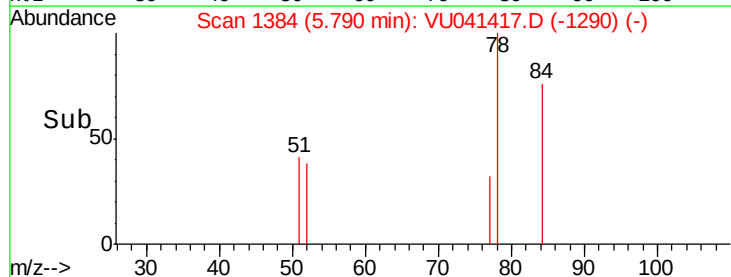
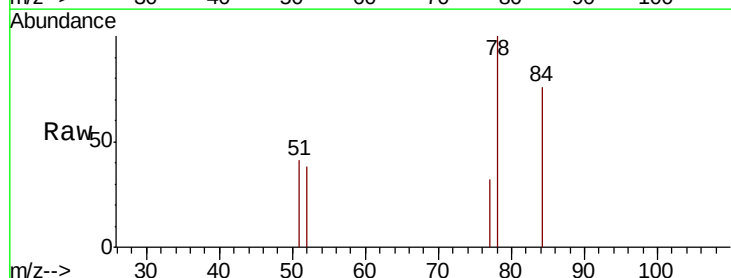
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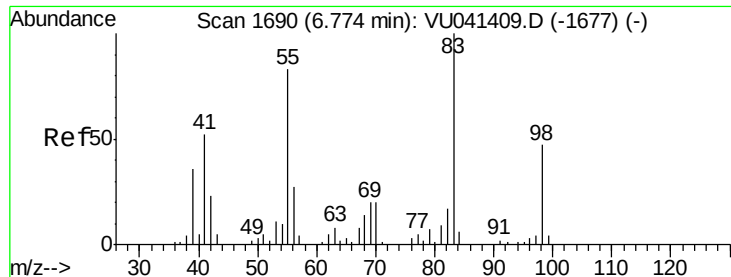
Tot Ion: 62 Resp: 421
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.0 9.0#



#33
 Benzene
 Concen: 0.047 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VU041417.D
 Acq: 24 Nov 2020 14:56

Tgt Ion: 78 Resp: 817

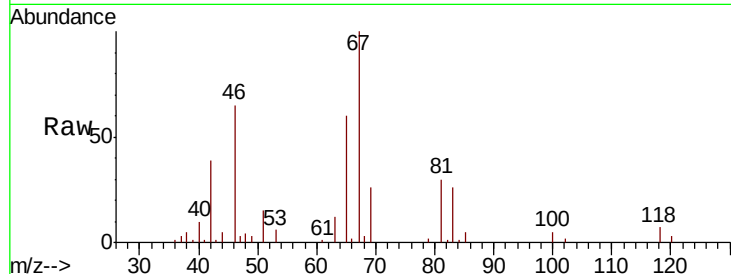




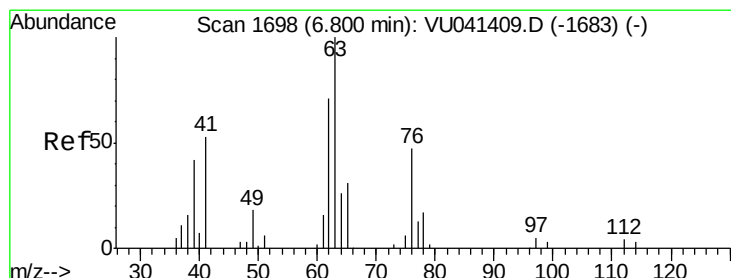
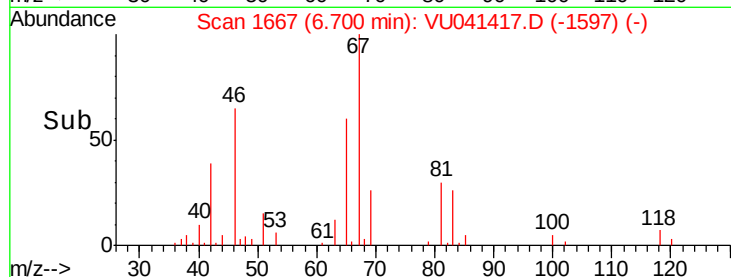
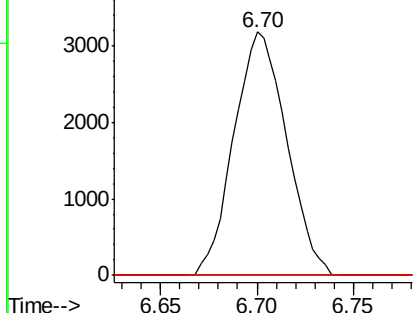
#35
Methylvlcyclohexane
Concen: 0.867 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041417.D
Acq: 24 Nov 2020 14:56

Instrument :
MSVOA_U
ClientSampleId :
H4422DL

Tot Ion: 83 Resp: 6020
Ion Ratio Lower Upper
83 100
55 0.0 68.4 102.6#
98 0.0 36.5 54.7#

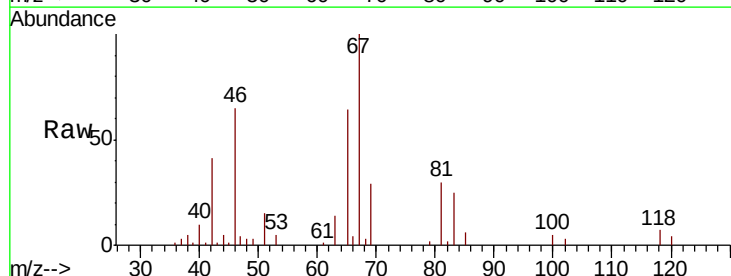


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

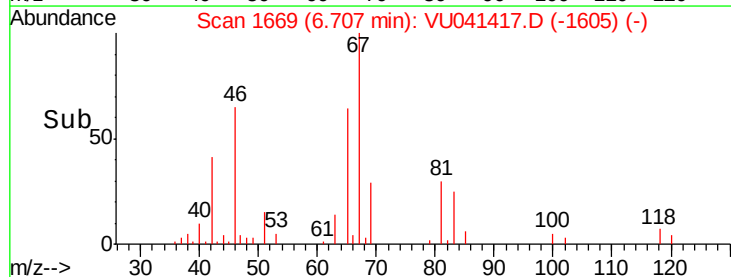
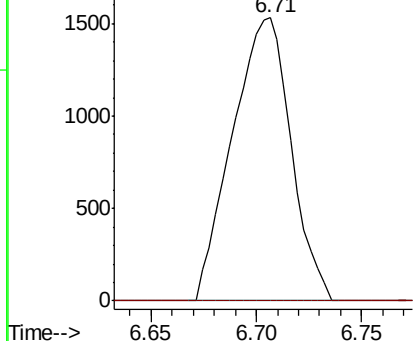


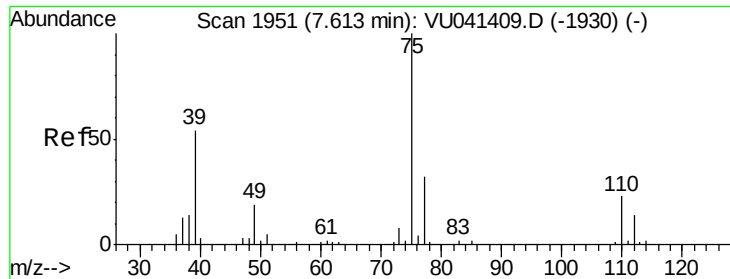
#37
1,2-Dichloropropane
Concen: 0.617 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU041417.D
Acq: 24 Nov 2020 14:56

Tgt Ion: 63 Resp: 2960
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



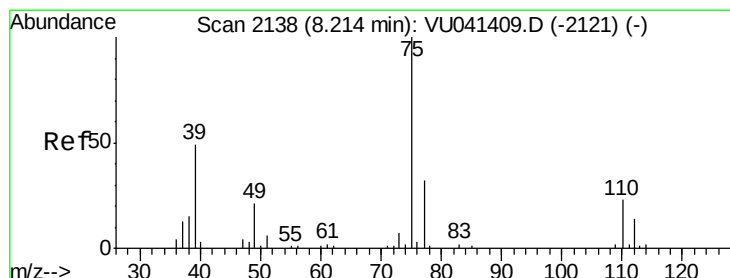
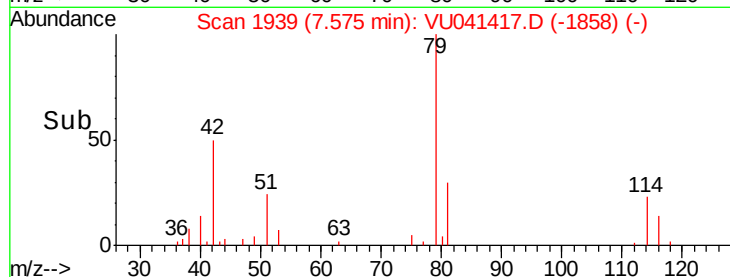
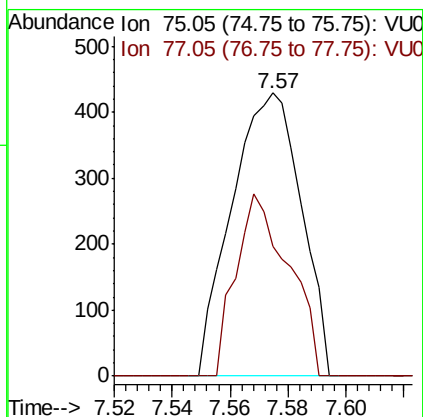
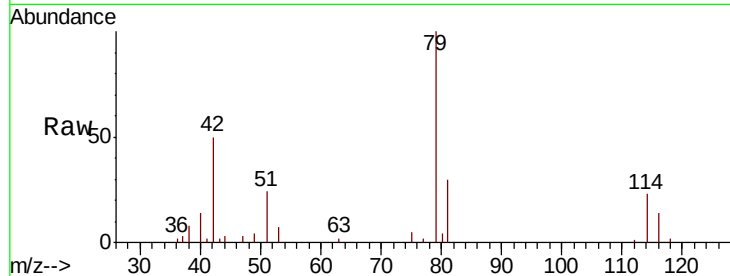


#39

cis-1,3-Dichloropropene
Concen: 0.108 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU041417.D
Acq: 24 Nov 2020 14:56

Instrument :
MSVOA_U
ClientSampleId :
H4422DL

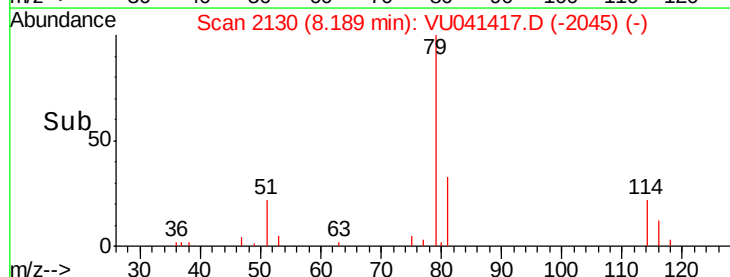
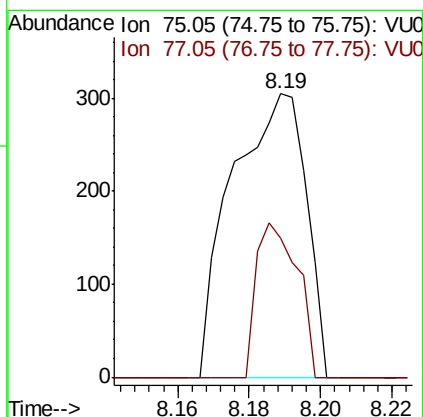
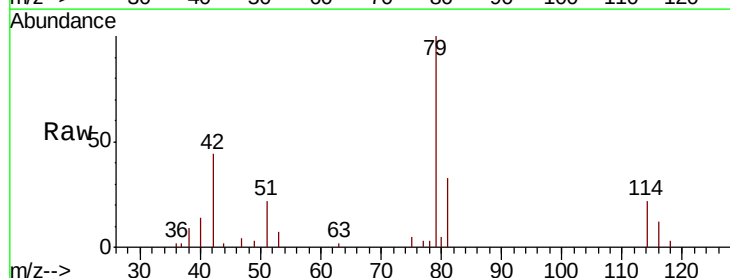
Tot Ion: 75 Resp: 713
Ion Ratio Lower Upper
75 100
77 45.9 22.1 41.1#

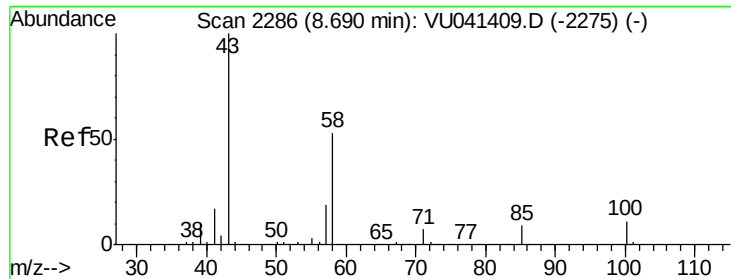


#44

trans-1,3-Dichloropropene
Concen: 0.072 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041417.D
Acq: 24 Nov 2020 14:56

Tgt Ion: 75 Resp: 438
Ion Ratio Lower Upper
75 100
77 48.9 21.7 40.3#

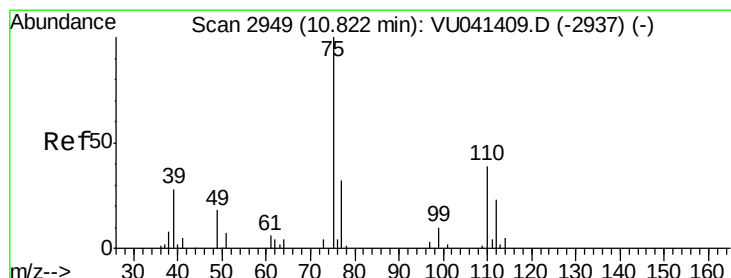
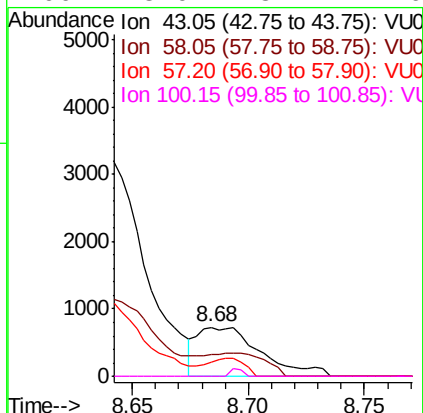
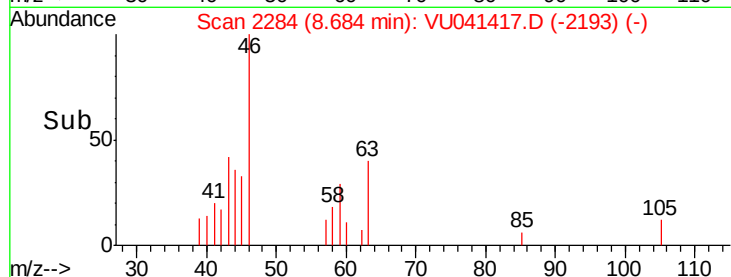
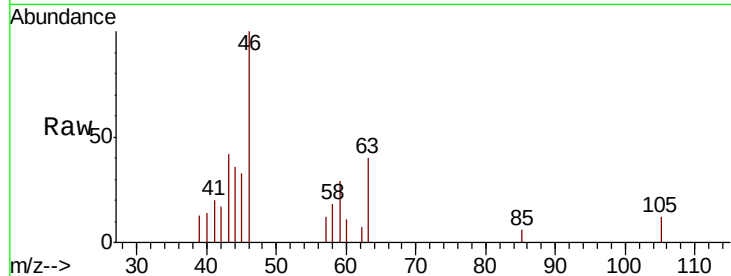




#48
2-Hexanone
Concen: 0.641 ug/L
RT: 8.68 min Scan# 2284
Delta R.T. -0.01 min
Lab File: VU041417.D
Acq: 24 Nov 2020 14:56

Instrument :
MSVOA_U
ClientSampleId :
H4422DL

Tot Ion: 43 Resp: 1385
Ion Ratio Lower Upper
43 100
58 0.0 42.0 63.0#
57 21.1 15.0 22.4
100 3.0 8.4 12.6#



#59
1,2,3-Trichloropropane
Concen: 1.130 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU041417.D
Acq: 24 Nov 2020 14:56

Tgt Ion: 75 Resp: 3541
Ion Ratio Lower Upper
75 100
77 39.3 25.1 37.7#

