

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112420\
 Data File : VU041415.D
 Acq On : 24 Nov 2020 13:45
 Operator : SY/MD
 Sample : L4849-06DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4411DL

Quant Time: Nov 25 07:39:20 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	65092	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	67632	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29652	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	18702	4.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.80%
7) Chloroethane-d5	1.92	69	14432	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.58	63	30154	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	4.65	46	72438	62.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.30%
24) Chloroform-d	5.08	84	41154	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.72	65	28097	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.74	84	70101	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	6.70	67	24984	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.91	98	64072	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	8.19	79	11546	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.64	63	45365	58.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23813	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	25768	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

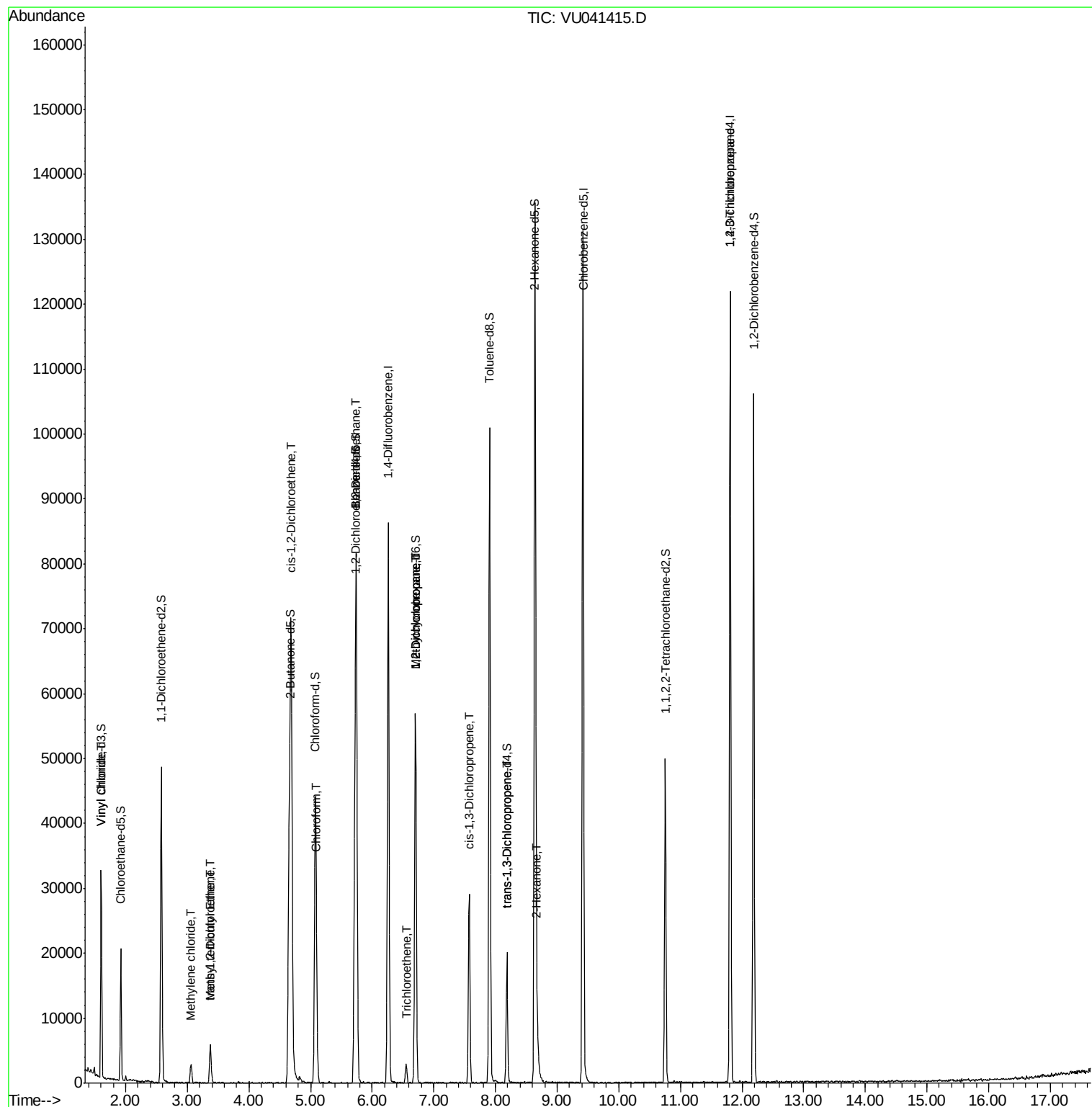
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2649	0.466	ug/L #	79
16) Methylene chloride	3.06	84	1467	0.256	ug/L	91
17) Methyl tert-butyl Ether	3.38	73	2822	0.283	ug/L	94
18) trans-1,2-Dichloroethene	3.37	96	1341	0.308	ug/L	94
22) cis-1,2-Dichloroethene	4.69	96	27063	5.855	ug/L	100
25) Chloroform	5.11	83	2253	0.237	ug/L	95
27) 1,2-Dichloroethane	5.74	62	578	0.093	ug/L #	78
34) Trichloroethene	6.55	95	1110	0.225	ug/L	90
35) Methylcyclohexane	6.70	83	5919	0.822	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	2988	0.600	ug/L #	90
39) cis-1,3-Dichloropropene	7.58	75	765	0.111	ug/L #	80
44) trans-1,3-Dichloropropene	8.19	75	429	0.068	ug/L #	59
48) 2-Hexanone	8.68	43	1554	0.694	ug/L #	44
59) 1,2,3-Trichloropropane	11.81	75	3891	1.197	ug/L #	85

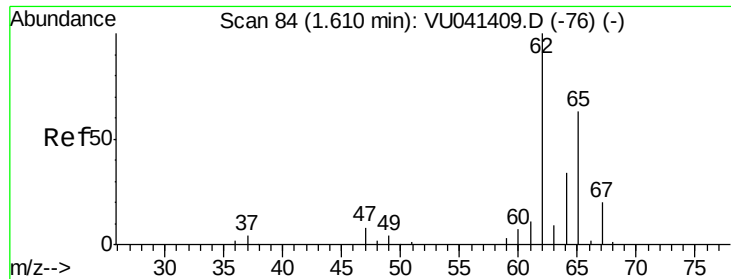
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.466 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041415.D

Acq: 24 Nov 2020 13:45

Instrument :

MSVOA_U

ClientSampled :

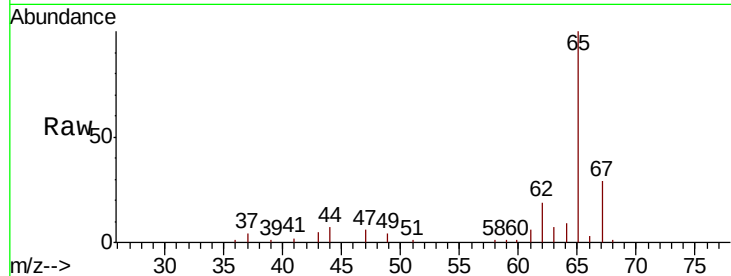
H4411DL

Tot Ion: 62 Resp: 2649

Ion Ratio Lower Upper

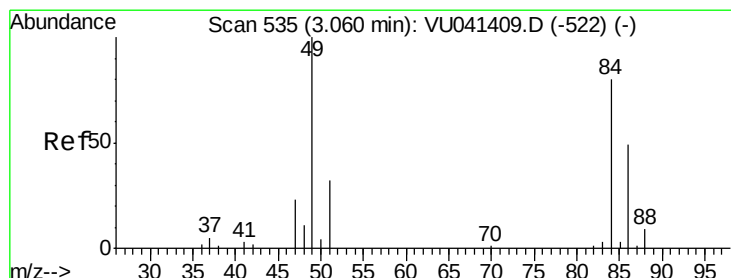
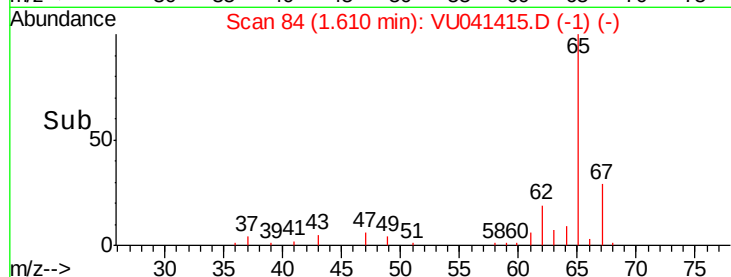
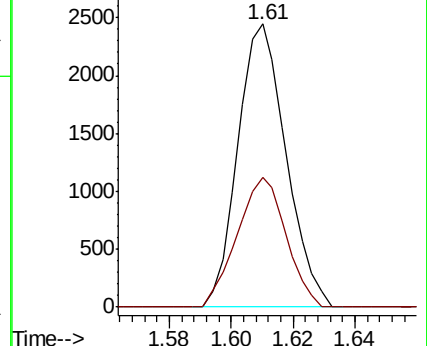
62 100

64 45.9 23.8 44.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#16

Methylene chloride

Concen: 0.256 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041415.D

Acq: 24 Nov 2020 13:45

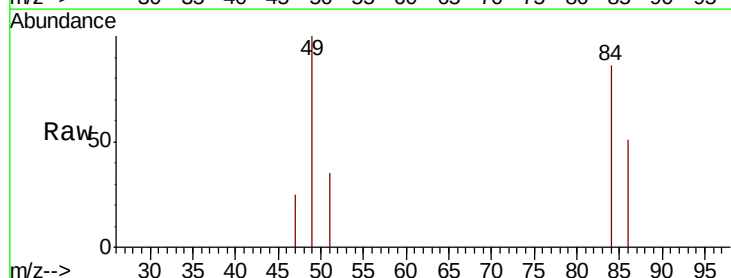
Tgt Ion: 84 Resp: 1467

Ion Ratio Lower Upper

84 100

86 59.1 44.4 82.5

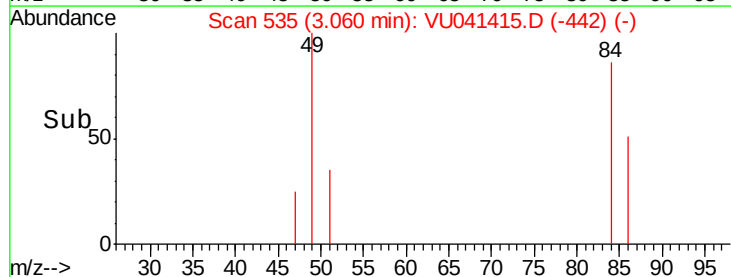
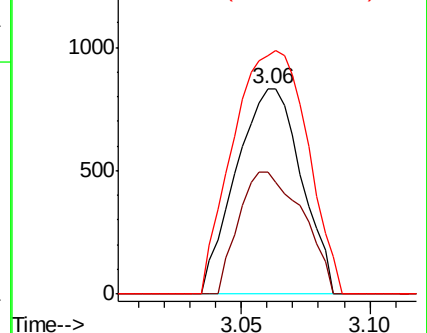
49 116.0 89.9 167.0

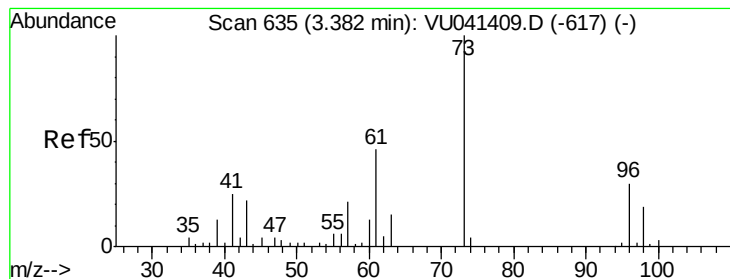


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



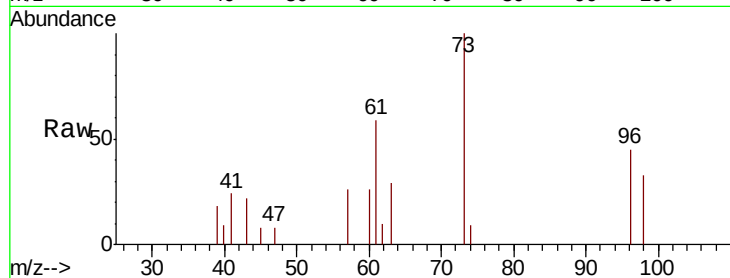


#17

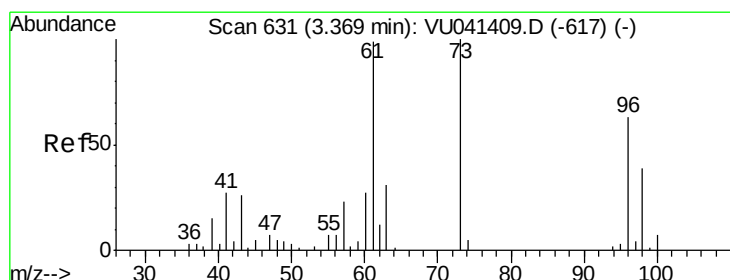
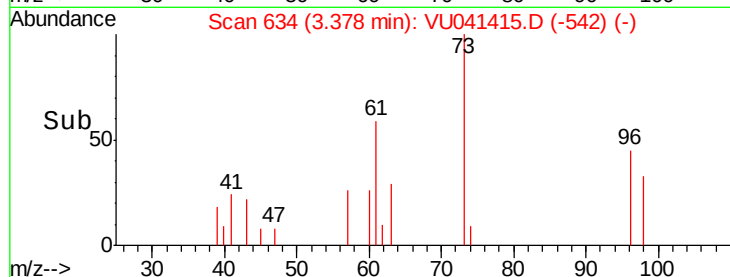
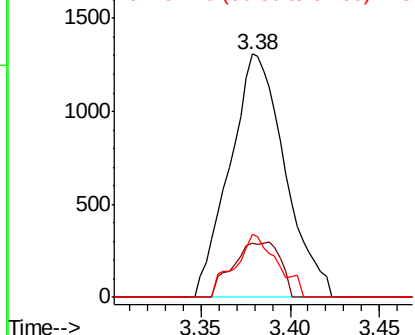
Methyl tert-butyl Ether
 Concen: 0.283 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VU041415.D
 Acq: 24 Nov 2020 13:45

Instrument :
 MSVOA_U
 ClientSampleId :
 H4411DL

Tot Ion: 73 Resp: 2822
 Ion Ratio Lower Upper
 73 100
 43 19.5 18.3 27.5
 57 19.8 17.7 26.5



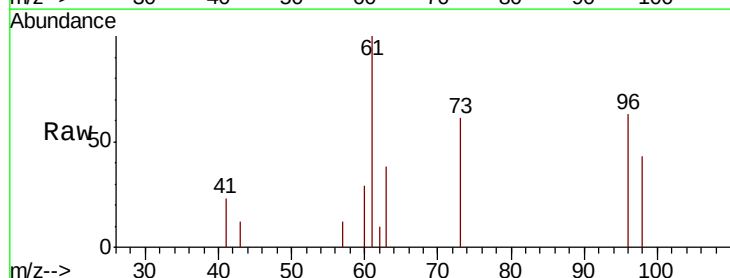
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



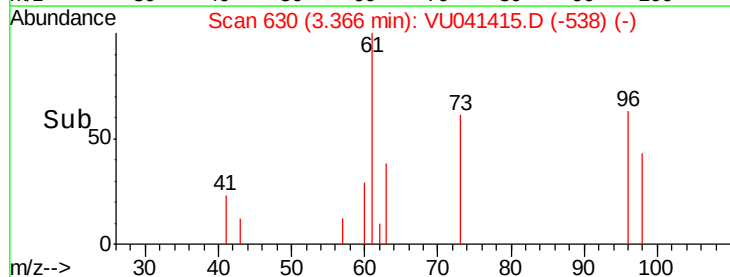
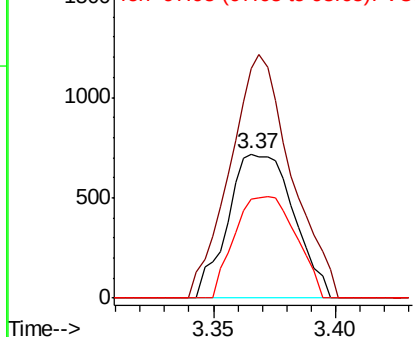
#18

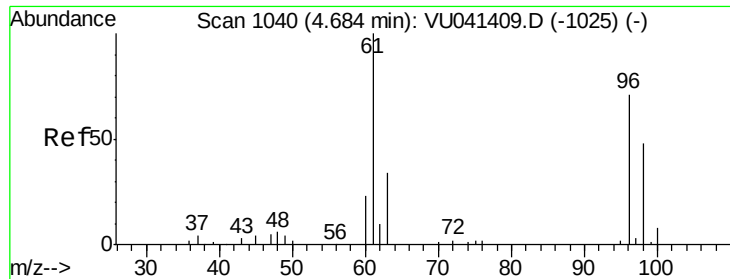
trans-1,2-Dichloroethene
 Concen: 0.308 ug/L
 RT: 3.37 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU041415.D
 Acq: 24 Nov 2020 13:45

Tgt Ion: 96 Resp: 1341
 Ion Ratio Lower Upper
 96 100
 61 158.8 103.7 192.5
 98 68.3 47.5 88.3



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





#22

cis-1,2-Dichloroethene

Concen: 5.855 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041415.D

Acq: 24 Nov 2020 13:45

Instrument :

MSVOA_U

ClientSampleId :

H4411DL

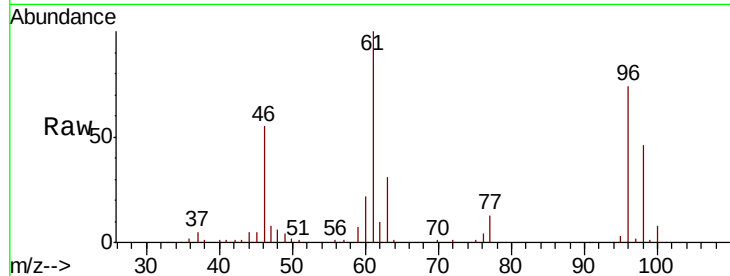
Tot Ion: 96 Resp: 27063

Ion Ratio Lower Upper

96 100

61 135.7 95.3 176.9

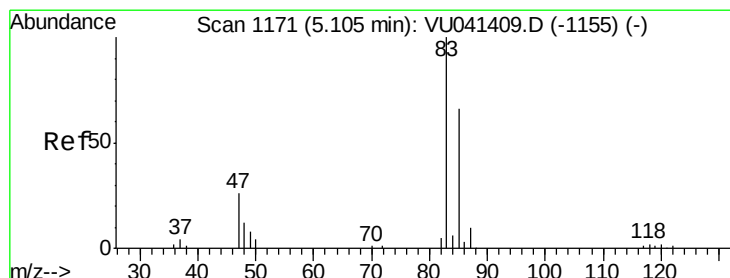
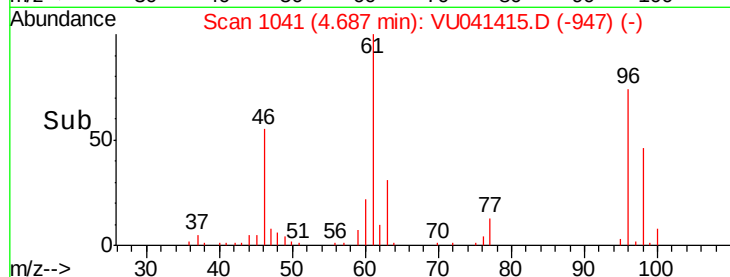
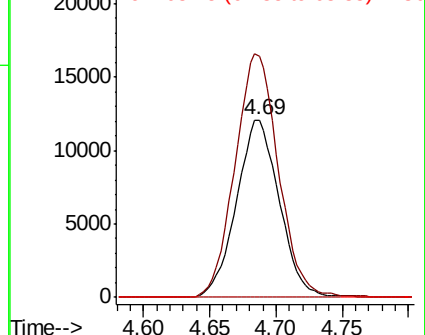
68 0.0 0.0 0.0



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: 0.237 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU041415.D

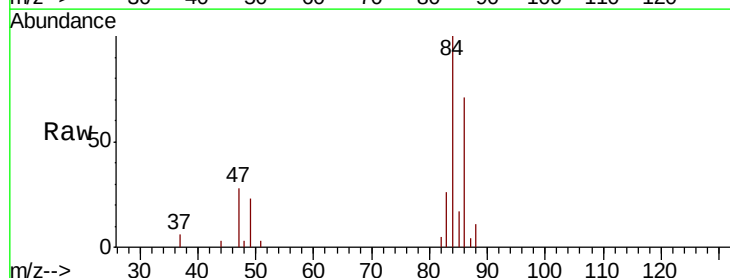
Acq: 24 Nov 2020 13:45

Tgt Ion: 83 Resp: 2253

Ion Ratio Lower Upper

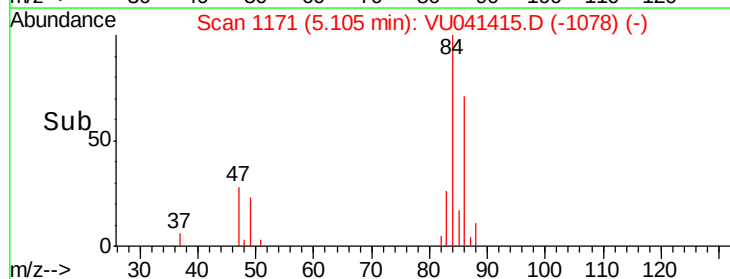
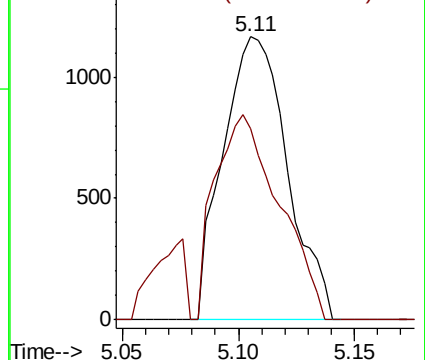
83 100

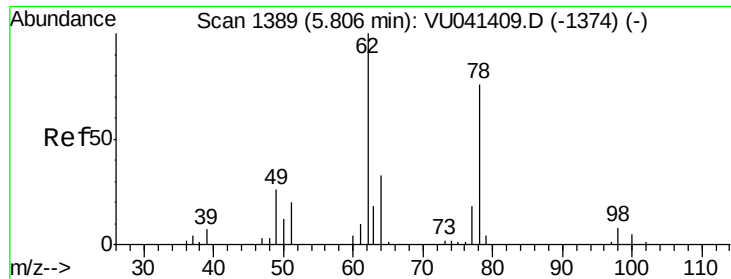
85 67.5 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

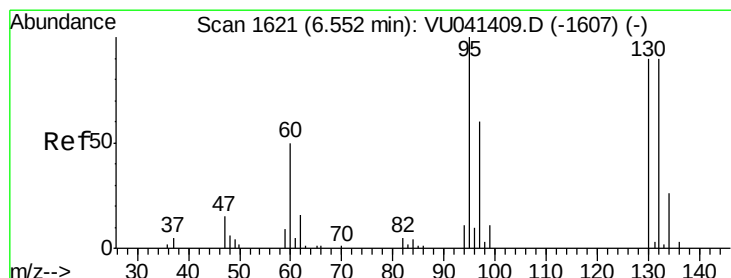
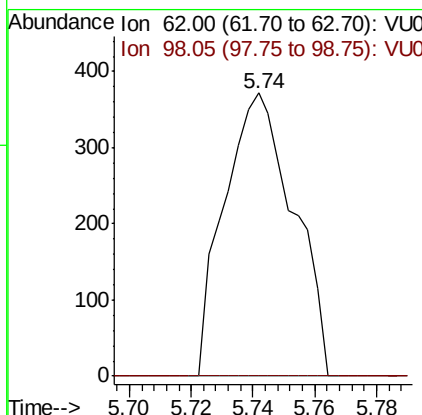
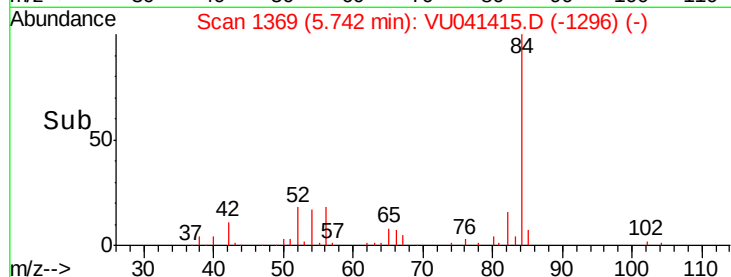
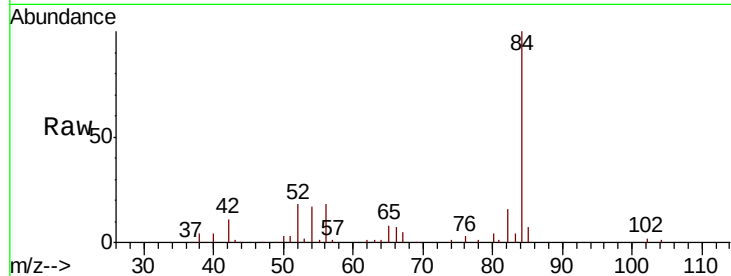




#27
 1,2-Dichloroethane
 Concen: 0.093 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.06 min
 Lab File: VU041415.D
 Acq: 24 Nov 2020 13:45

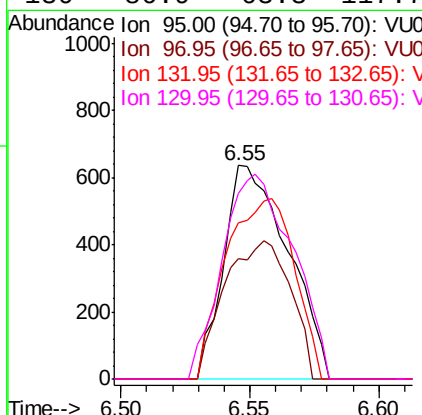
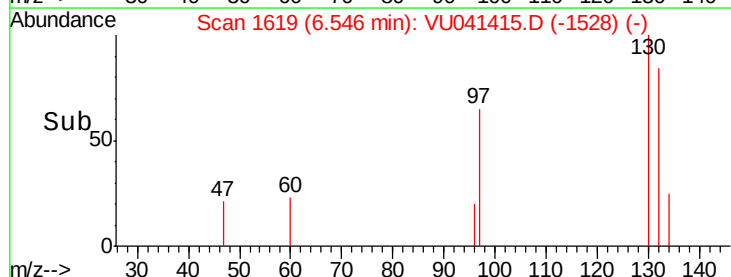
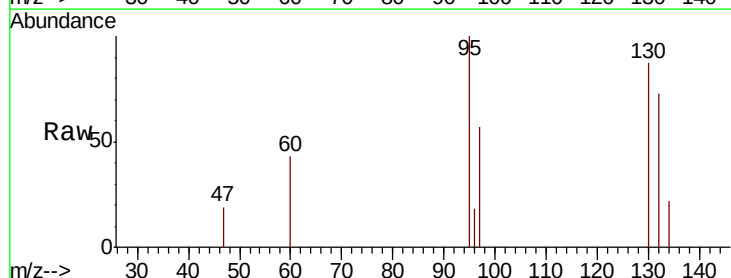
Instrument :
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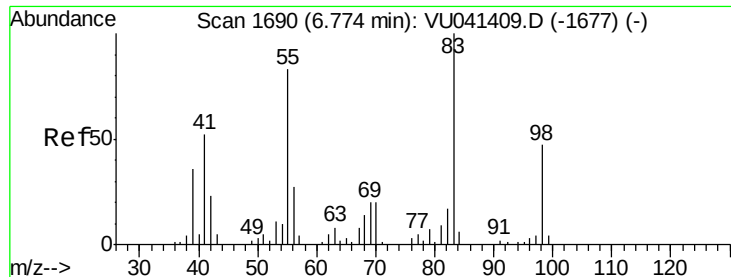
Tot Ion: 62 Resp: 578
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.0 9.0#



#34
 Trichloroethene
 Concen: 0.225 ug/L
 RT: 6.55 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: VU041415.D
 Acq: 24 Nov 2020 13:45

Tgt Ion: 95 Resp: 1110
 Ion Ratio Lower Upper
 95 100
 97 56.6 46.5 86.5
 132 73.3 60.8 113.0
 130 86.9 63.3 117.7

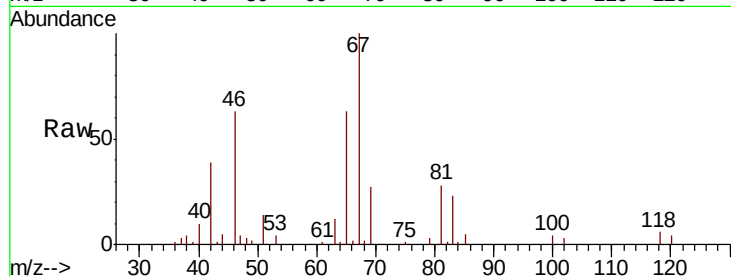




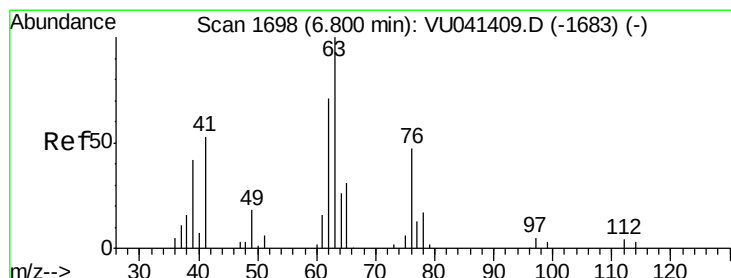
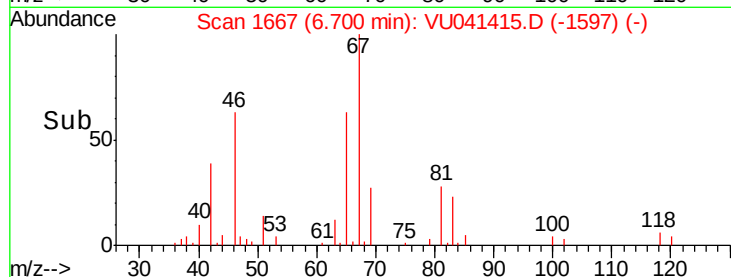
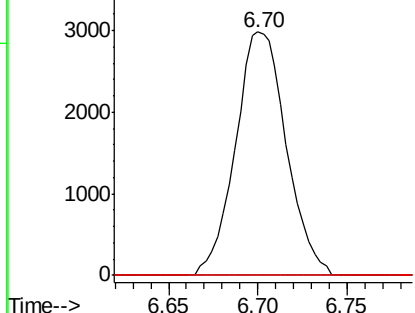
#35
Methylvlcyclohexane
Concen: 0.822 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041415.D
Acq: 24 Nov 2020 13:45

Instrument :
MSVOA_U
ClientSampleId :
H4411DL

Tot Ion: 83 Resp: 5919
Ion Ratio Lower Upper
83 100
55 0.0 68.4 102.6#
98 0.0 36.5 54.7#

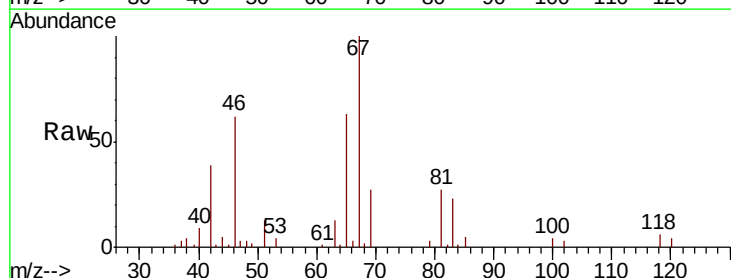


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

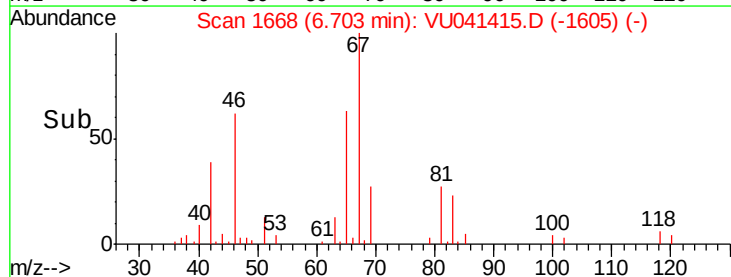
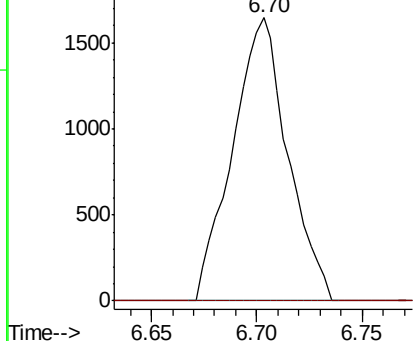


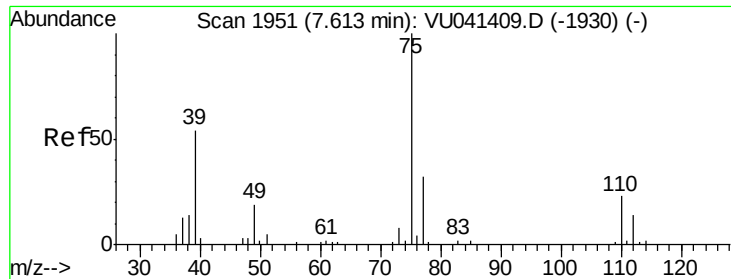
#37
1,2-Dichloropropane
Concen: 0.600 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041415.D
Acq: 24 Nov 2020 13:45

Tgt Ion: 63 Resp: 2988
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

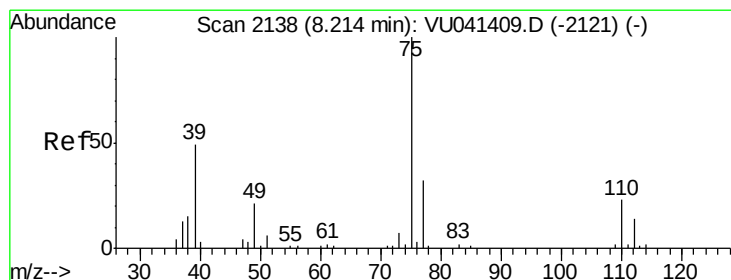
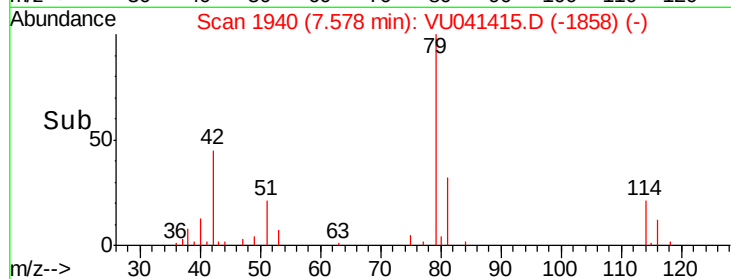
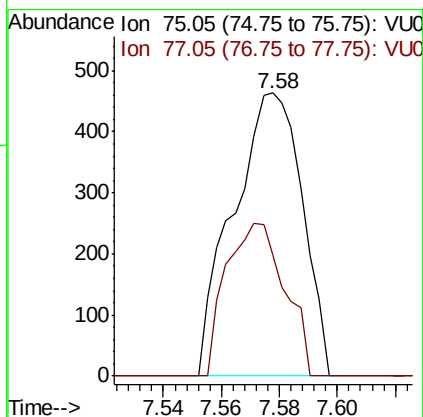
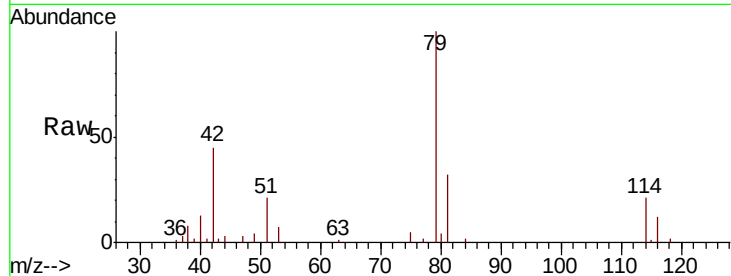




#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041415.D
 Acq: 24 Nov 2020 13:45

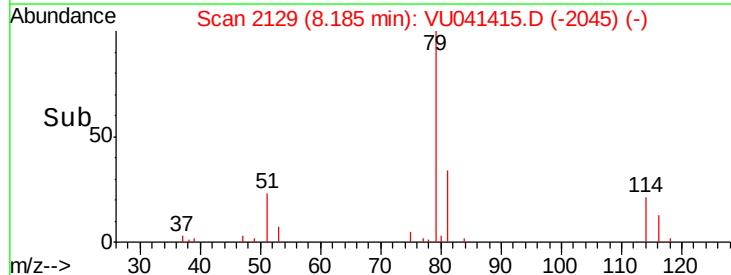
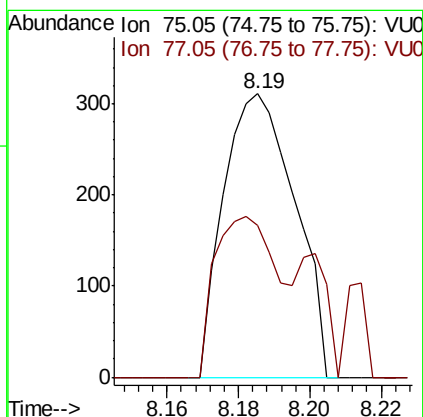
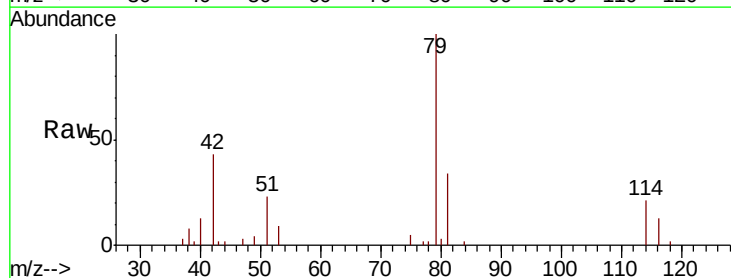
Instrument :
 MSVOA_U
 ClientSampleId :
 H4411DL

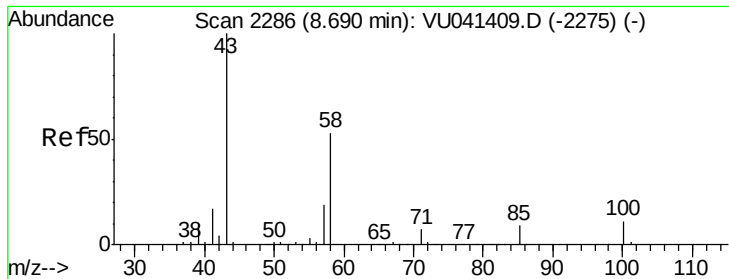
Tot Ion: 75 Resp: 765
 Ion Ratio Lower Upper
 75 100
 77 42.5 22.1 41.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.068 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU041415.D
 Acq: 24 Nov 2020 13:45

Tgt Ion: 75 Resp: 429
 Ion Ratio Lower Upper
 75 100
 77 53.4 21.7 40.3#





#48

2-Hexanone

Concen: 0.694 ug/L

RT: 8.68 min Scan# 2283

Delta R.T. -0.01 min

Lab File: VU041415.D

Acq: 24 Nov 2020 13:45

Instrument :

MSVOA_U

ClientSampleId :

H4411DL

Tot Ion: 43 Resp: 1554

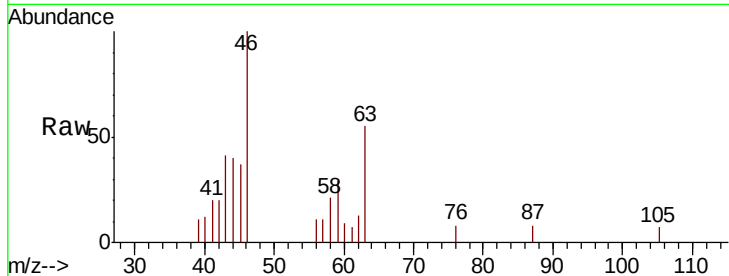
Ion Ratio Lower Upper

43 100

58 5.7 42.0 63.0#

57 0.0 15.0 22.4#

100 0.0 8.4 12.6#

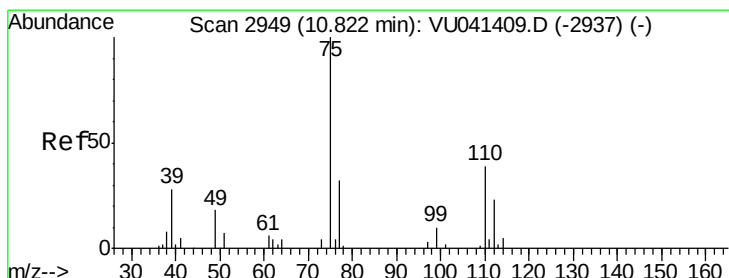
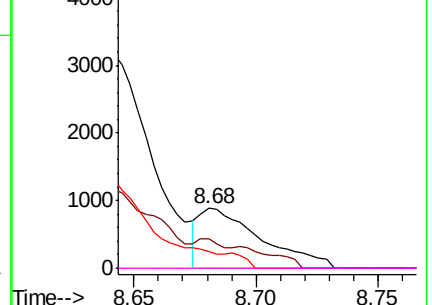
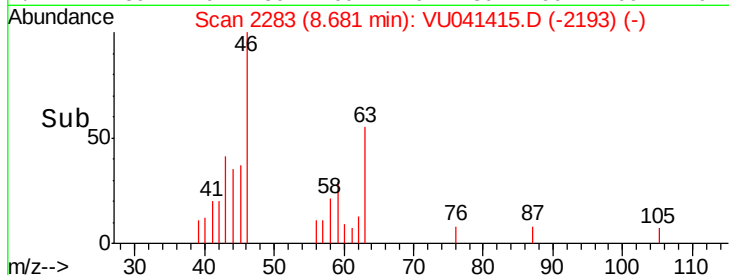


Abundance Ion 43.05 (42.75 to 43.75): VU041415.D (-2275) (-)

Ion 58.05 (57.75 to 58.75): VU041415.D (-2275) (-)

Ion 57.20 (56.90 to 57.90): VU041415.D (-2275) (-)

Ion 100.15 (99.85 to 100.85): VU041415.D (-2275) (-)



#59

1,2,3-Trichloropropane

Concen: 1.197 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041415.D

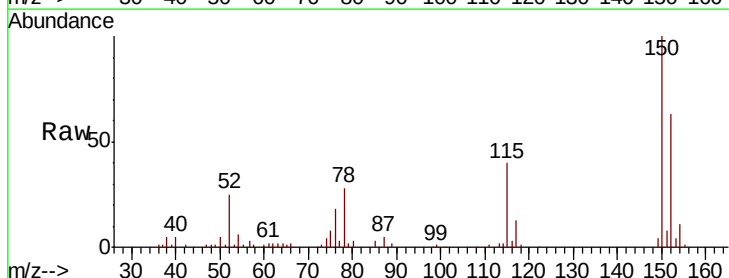
Acq: 24 Nov 2020 13:45

Tgt Ion: 75 Resp: 3891

Ion Ratio Lower Upper

75 100

77 39.8 25.1 37.7#



Abundance Ion 75.00 (74.70 to 75.70): VU041415.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041415.D (-2937) (-)

