

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102120\
 Data File : VU040875.D
 Acq On : 21 Oct 2020 15:58
 Operator : SY/MD
 Sample : L4428-10DL 100X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ45DL

Quant Time: Oct 22 00:50:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 00:42:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	235978	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	238381	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	104628	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	79355	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.92	69	72298	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.58	63	122831	3.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.40%
20) 2-Butanone-d5	4.66	46	373667	65.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.10%#
24) Chloroform-d	5.08	84	171974	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.72	65	106782	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.74	84	308972	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.70	67	108367	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.91	98	240433	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.19	79	41613	4.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.00%
46) 2-Hexanone-d5	8.64	63	270667	63.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.82%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	99890	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	100705	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

					Ovalue
5) Vinyl chloride	1.61	62	178393	7.378	ug/L 97
8) Chloroethane	2.00	64	652	0.042	ug/L # 51
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	1013	0.055	ug/L # 25
12) 1,1-Dichloroethene	2.59	96	1596	0.092	ug/L # 1
18) trans-1,2-Dichloroethene	3.37	96	2600	0.145	ug/L 82
22) cis-1,2-Dichloroethene	4.69	96	418443	21.261	ug/L 96
34) Trichloroethene	6.55	95	2859	0.147	ug/L 94
35) Methylcyclohexane	6.70	83	24717	0.847	ug/L # 15
37) 1,2-Dichloropropane	6.70	63	12149	0.587	ug/L # 90
39) cis-1,3-Dichloropropene	7.57	75	2867	0.104	ug/L # 79
44) trans-1,3-Dichloropropene	8.19	75	2530	0.101	ug/L # 65
47) Tetrachloroethene	8.56	164	5674	0.391	ug/L 94
48) 2-Hexanone	8.64	43	35655	3.530	ug/L # 68
49) Dibromochloromethane	8.56	129	6026	0.358	ug/L # 9
59) 1,2,3-Trichloropropane	11.81	75	14450	1.075	ug/L 95

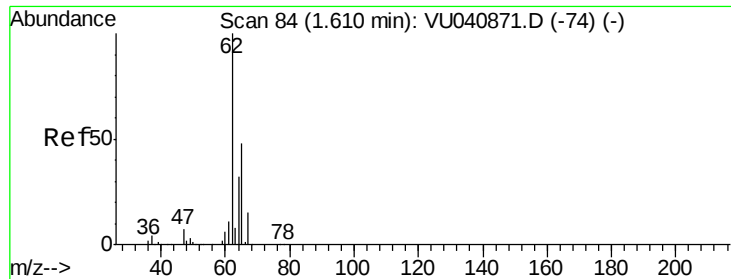
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102120\
Data File : VU040875.D
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Operator : SY/MD
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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 22 00:42:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#5

Vinyl chloride

Concen: 7.378 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040875.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_U

ClientSampleId :

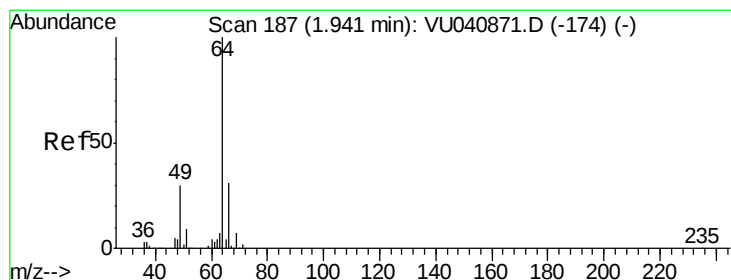
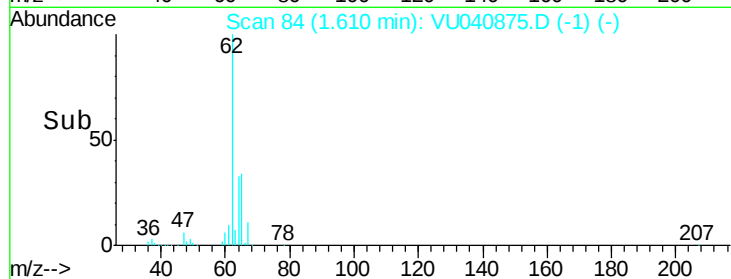
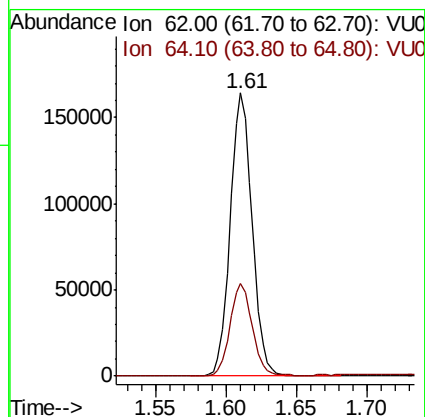
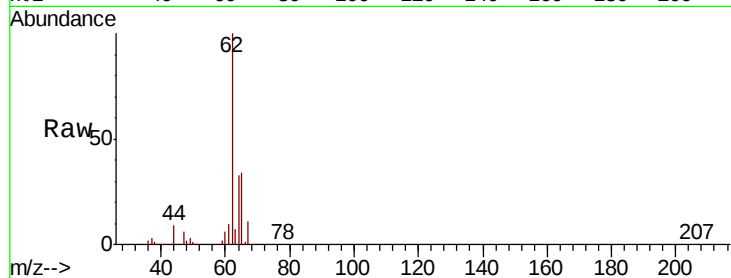
ETZ45DL

Tot Ion: 62 Resp: 178393

Ion Ratio Lower Upper

62 100

64 32.9 21.8 40.6



#8

Chloroethane

Concen: 0.042 ug/L

RT: 2.00 min Scan# 204

Delta R.T. 0.05 min

Lab File: VU040875.D

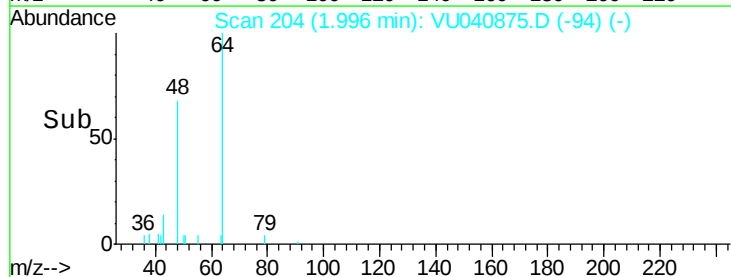
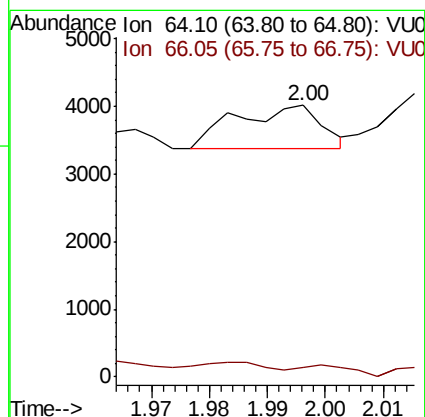
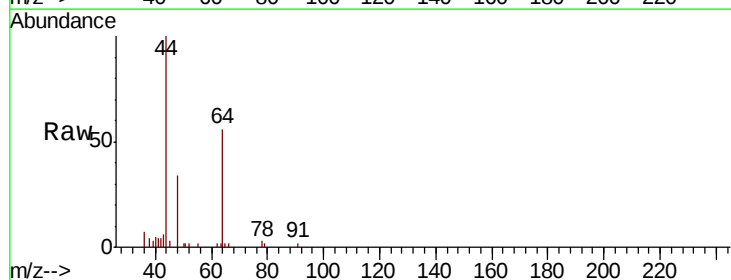
Acq: 21 Oct 2020 15:58

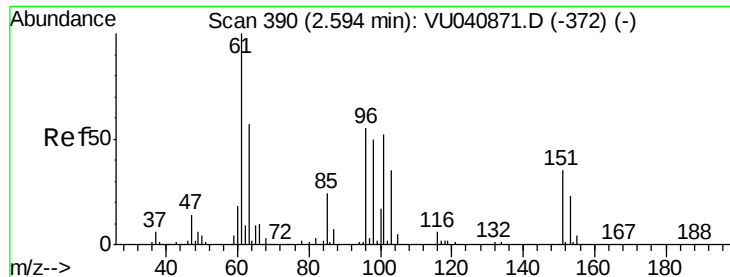
Tgt Ion: 64 Resp: 652

Ion Ratio Lower Upper

64 100

66 3.7 21.2 39.4#





#10

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

Concen: 0.055 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040875.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_U

ClientSampleId :

ETZ45DL

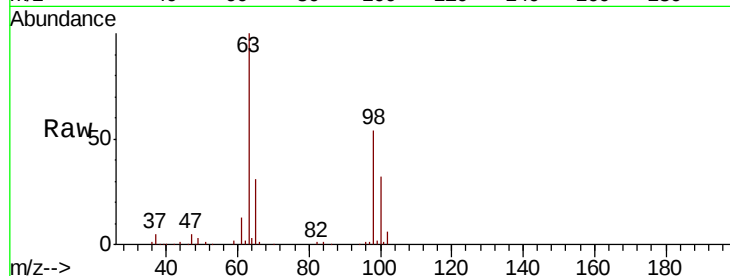
Tot Ion:101 Resp: 1013

Ion Ratio Lower Upper

101 100

85 7.2 36.4 54.6#

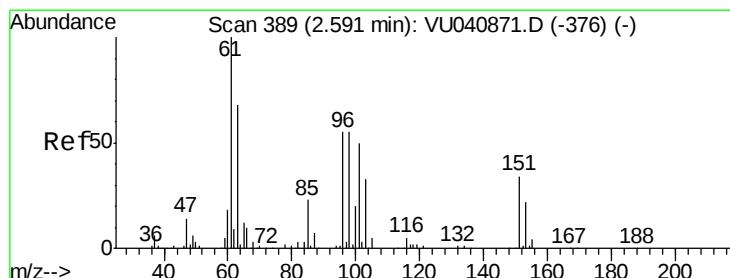
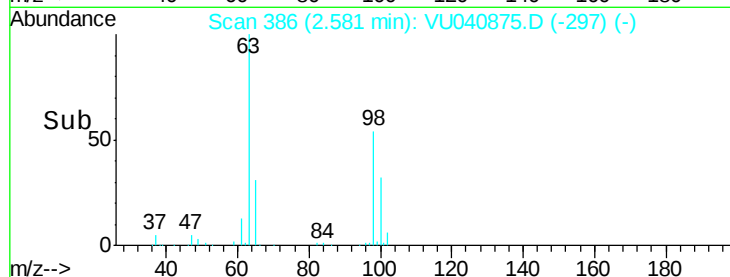
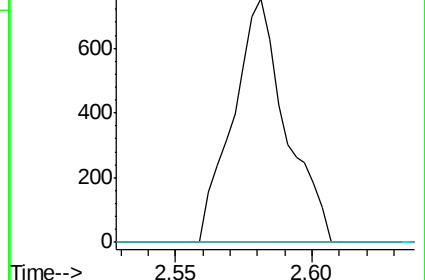
151 0.0 56.3 84.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.092 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040875.D

Acq: 21 Oct 2020 15:58

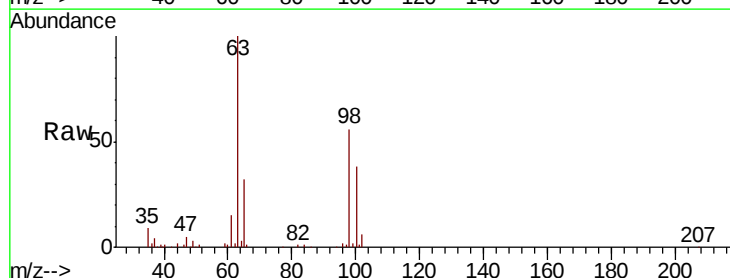
Tgt Ion: 96 Resp: 1596

Ion Ratio Lower Upper

96 100

61 758.6 130.9 243.1#

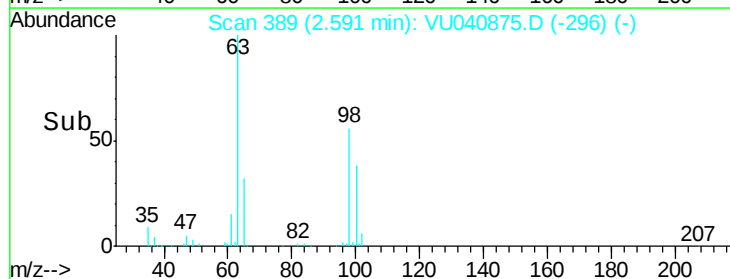
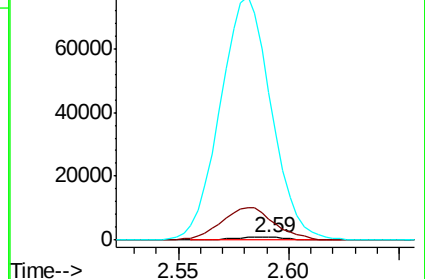
63 5220.8 85.4 158.6#

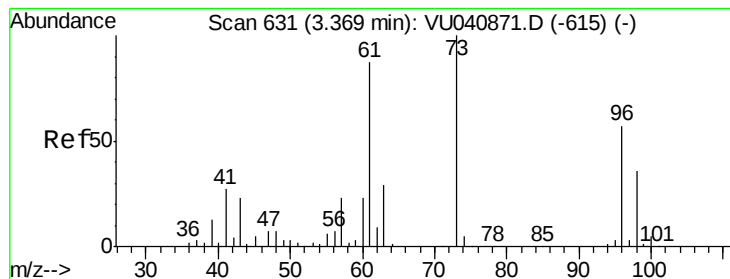


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.145 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU040875.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_U

ClientSampleId :

ETZ45DL

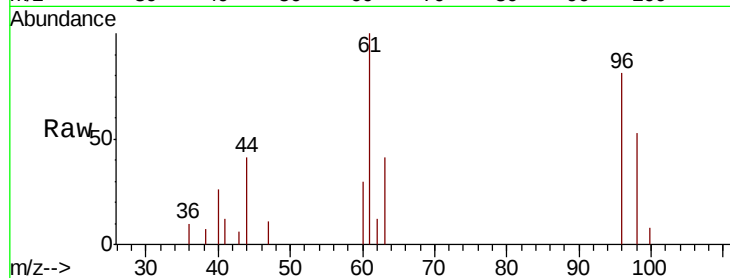
Tot Ion: 96 Resp: 2600

Ion Ratio Lower Upper

96 100

61 123.3 107.9 200.3

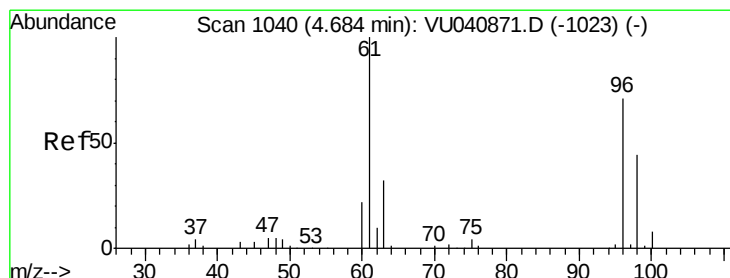
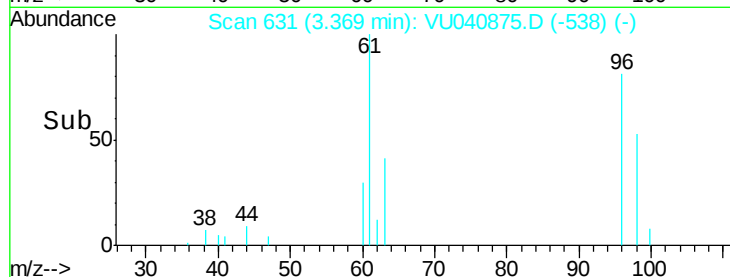
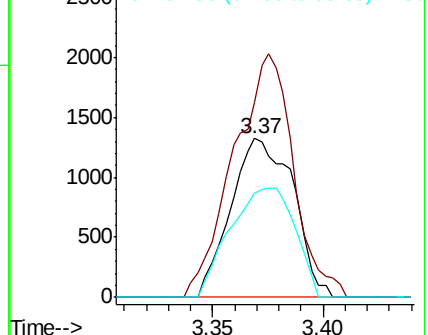
98 65.3 47.5 88.1



Abundance Ion 96.00 (95.70 to 96.70): VU040875.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU040875.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU040875.D (-538) (-)



#22

cis-1,2-Dichloroethene

Concen: 21.261 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040875.D

Acq: 21 Oct 2020 15:58

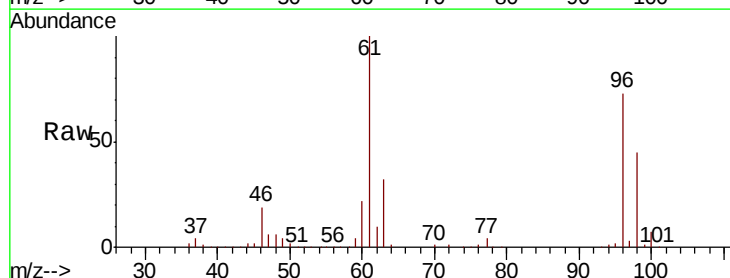
Tgt Ion: 96 Resp: 418443

Ion Ratio Lower Upper

96 100

61 137.4 100.0 185.6

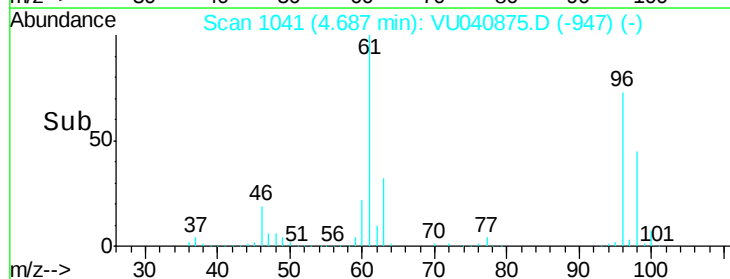
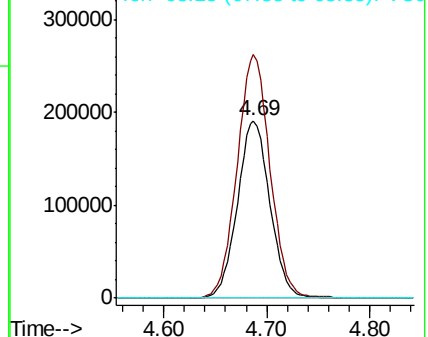
68 0.0 0.0 0.0

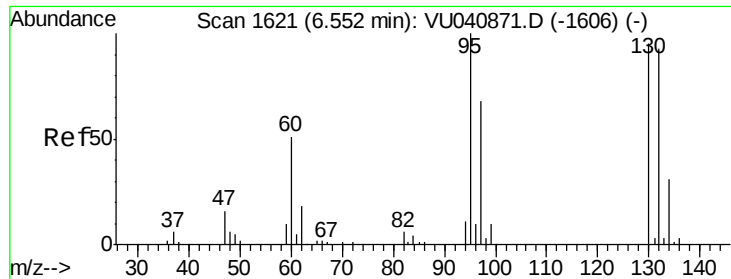


Abundance Ion 96.00 (95.70 to 96.70): VU040875.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040875.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040875.D (-947) (-)

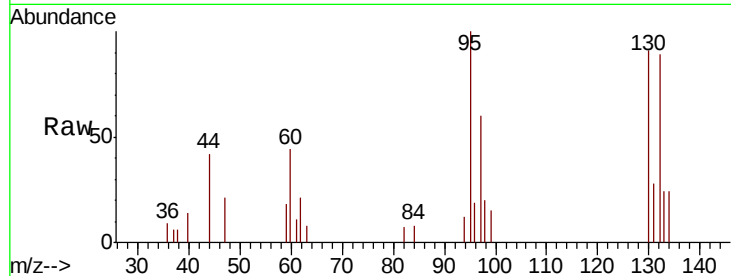




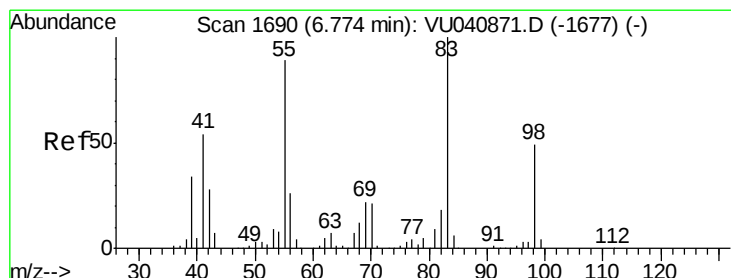
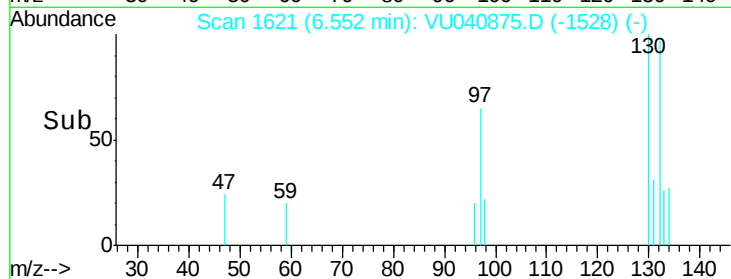
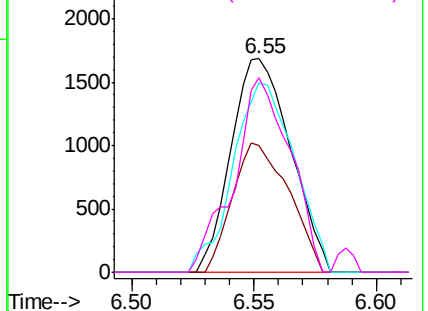
#34
 Trichloroethene
 Concen: 0.147 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040875.D
 Acq: 21 Oct 2020 15:58

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ45DL

Tot Ion:	95	Resp:	2859
Ion	Ratio	Lower	Upper
95	100		
97	59.5	46.0	85.4
132	88.6	63.6	118.2
130	91.1	68.6	127.4

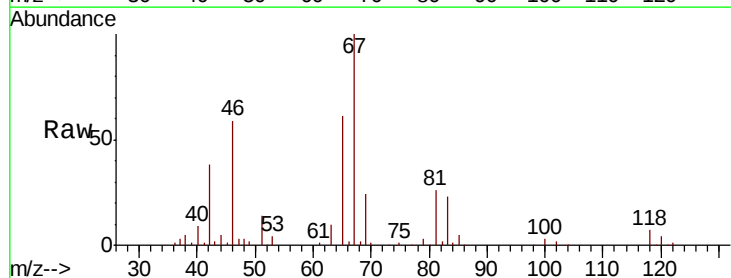


Abundance Ion 95.00 (94.70 to 95.70): VU040875.D (-1528) (-)
 Ion 96.95 (96.65 to 97.65): VU040875.D (-1528) (-)
 Ion 131.95 (131.65 to 132.65): VU040875.D (-1528) (-)
 Ion 129.95 (129.65 to 130.65): VU040875.D (-1528) (-)

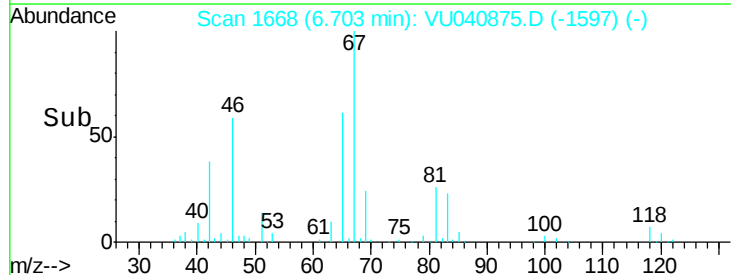
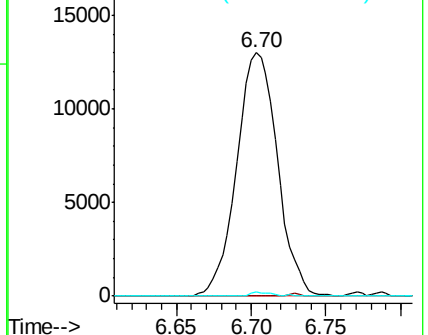


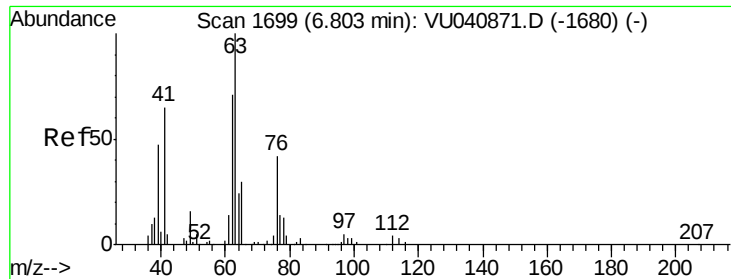
#35
 Methylcyclohexane
 Concen: 0.847 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040875.D
 Acq: 21 Oct 2020 15:58

Tgt Ion:	83	Resp:	24717
Ion	Ratio	Lower	Upper
83	100		
55	0.0	69.1	103.7#
98	0.8	37.8	56.6#



Abundance Ion 83.15 (82.85 to 83.85): VU040875.D (-1597) (-)
 Ion 55.10 (54.80 to 55.80): VU040875.D (-1597) (-)
 Ion 98.15 (97.85 to 98.85): VU040875.D (-1597) (-)





#37

1,2-Dichloropropane

Concen: 0.587 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU040875.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_U

ClientSampleId :

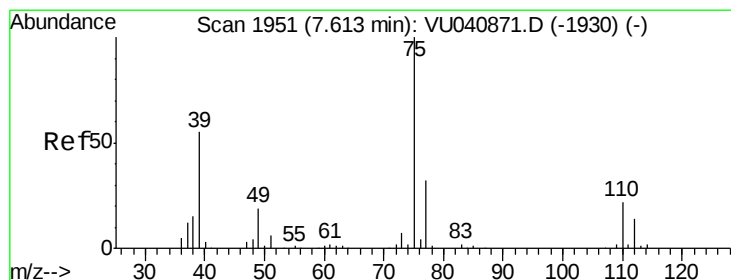
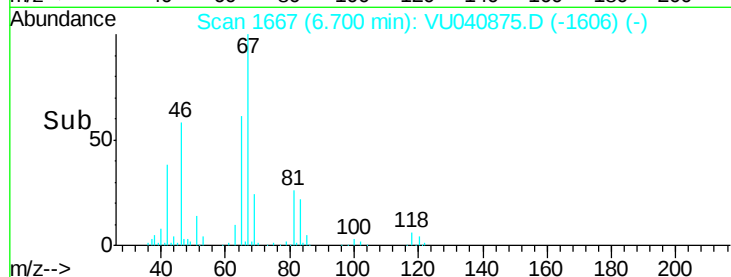
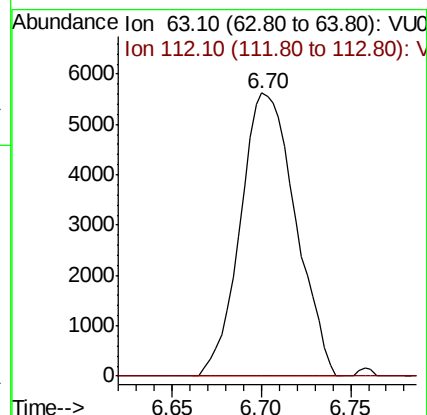
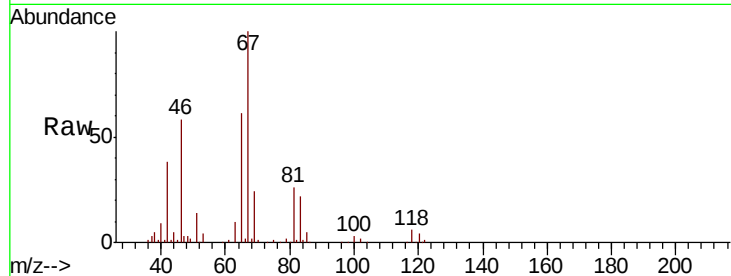
ETZ45DL

Tot Ion: 63 Resp: 12149

Ion Ratio Lower Upper

63 100

112 0.4 3.0 4.6#



#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU040875.D

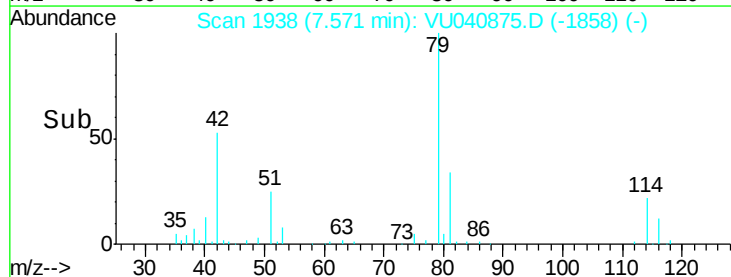
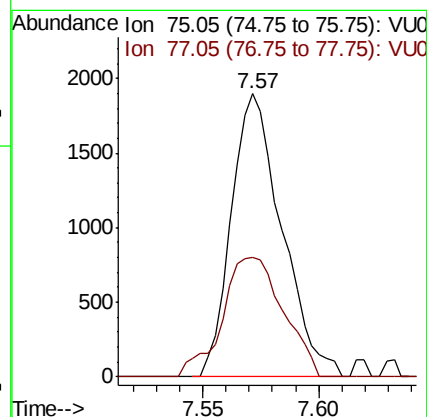
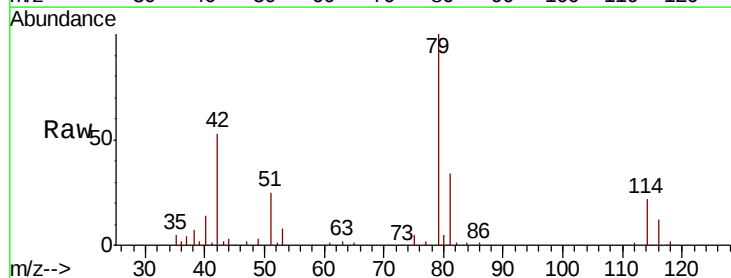
Acq: 21 Oct 2020 15:58

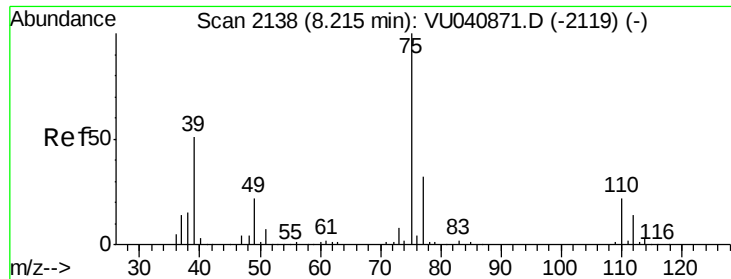
Tgt Ion: 75 Resp: 2867

Ion Ratio Lower Upper

75 100

77 42.4 21.6 40.2#





#44

trans-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040875.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_U

ClientSampleId :

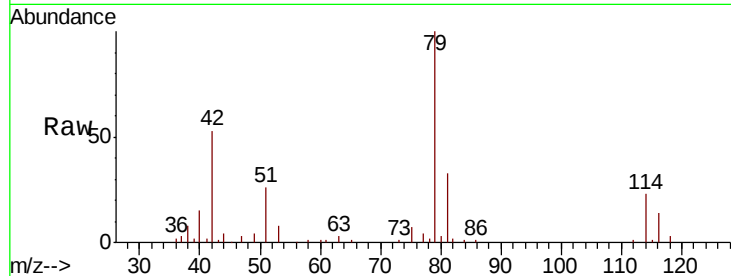
ETZ45DL

Tot Ion: 75 Resp: 2530

Ion Ratio Lower Upper

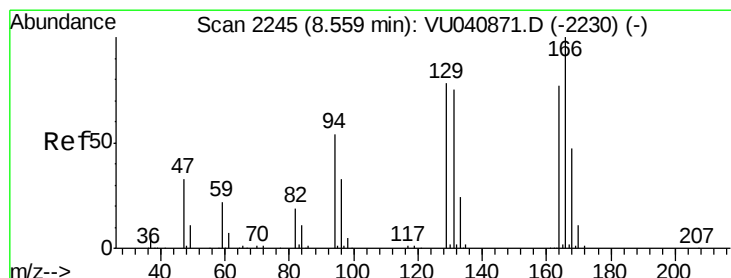
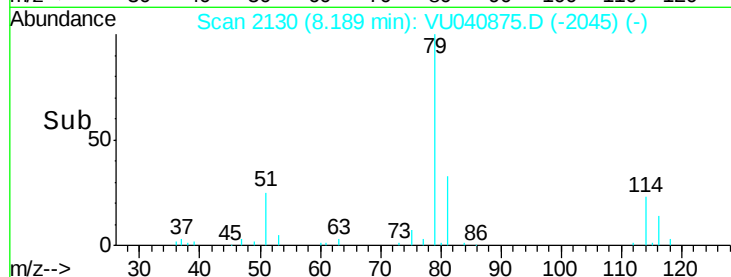
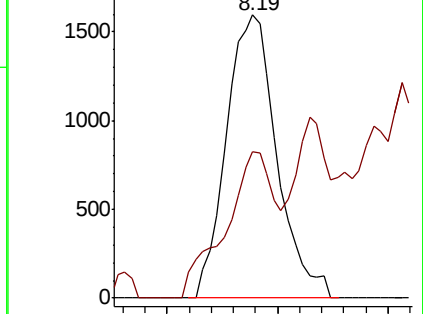
75 100

77 51.7 22.6 42.0#



Abundance Ion 75.05 (74.75 to 75.75): VU040875.D (-2119) (-)

Ion 77.05 (76.75 to 77.75): VU040875.D (-2119) (-)



#47

Tetrachloroethene

Concen: 0.391 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU040875.D

Acq: 21 Oct 2020 15:58

Tgt Ion:164 Resp: 5674

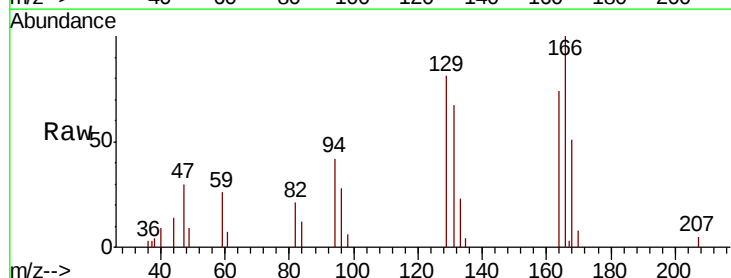
Ion Ratio Lower Upper

164 100

129 110.0 69.7 129.4

131 90.3 65.4 121.4

166 135.2 90.0 167.2

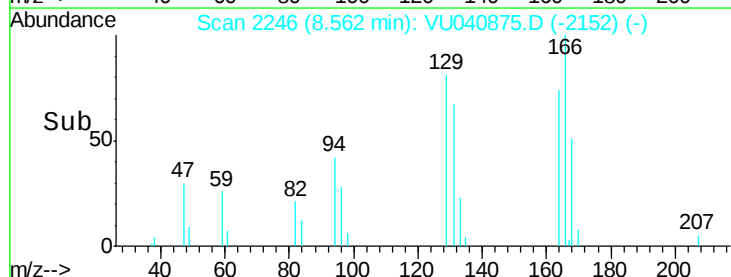
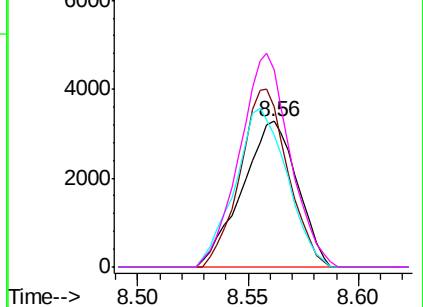


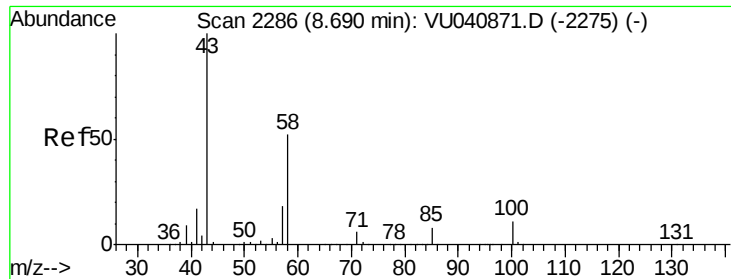
Abundance Ion 163.90 (163.60 to 164.60): VU040875.D (-2152) (-)

Ion 128.95 (128.65 to 129.65): VU040875.D (-2152) (-)

Ion 130.95 (130.65 to 131.65): VU040875.D (-2152) (-)

Ion 165.90 (165.60 to 166.60): VU040875.D (-2152) (-)

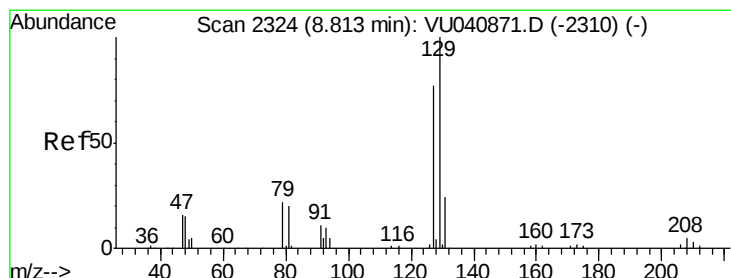
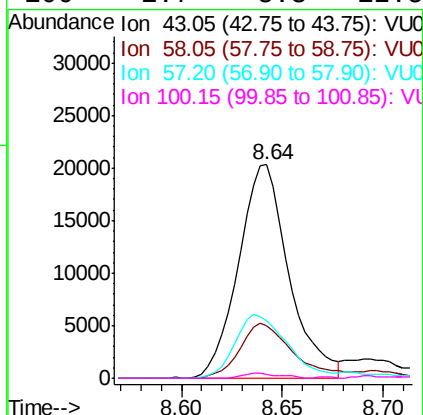
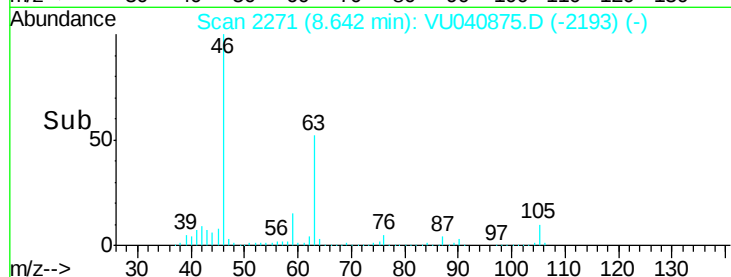
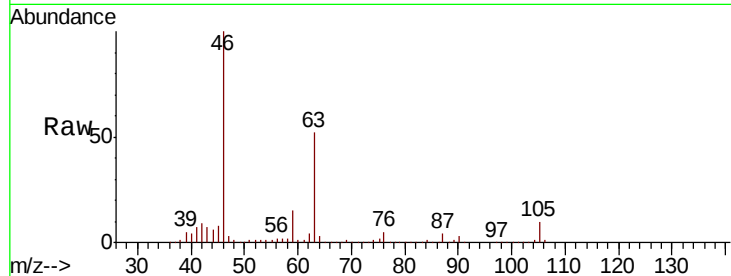




#48
2-Hexanone
Concen: 3.530 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040875.D
Acq: 21 Oct 2020 15:58

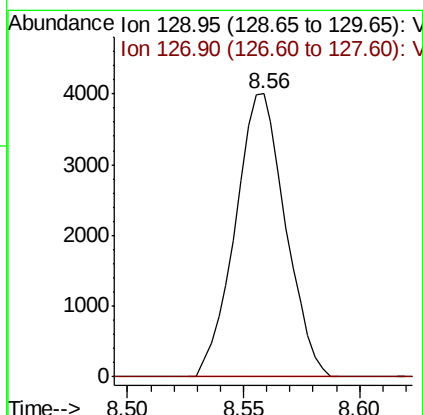
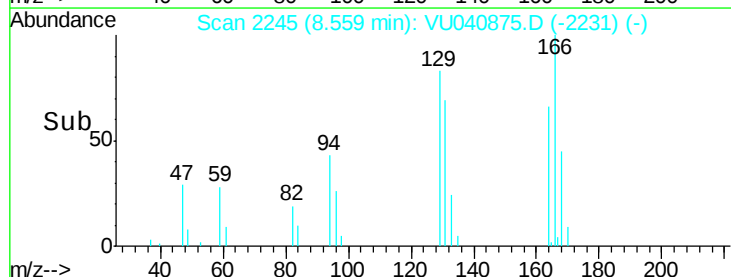
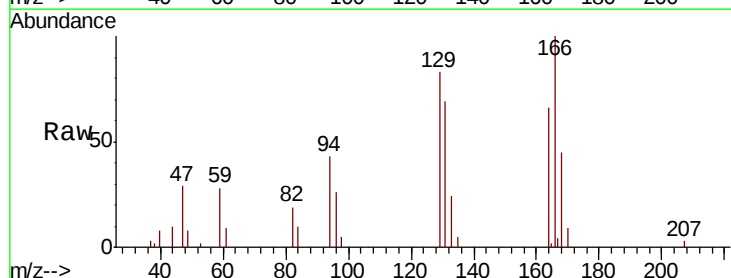
Instrument :
MSVOA_U
ClientSampleId :
ETZ45DL

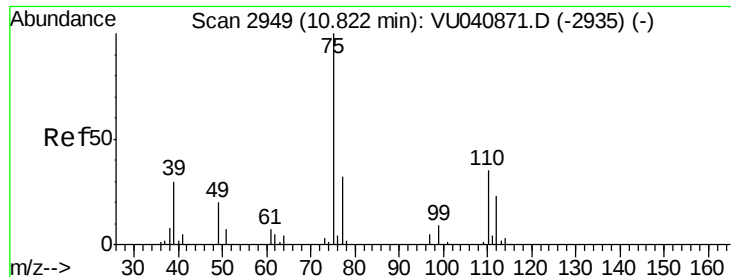
Tot Ion: 43 Resp: 35655
Ion Ratio Lower Upper
43 100
58 27.1 40.9 61.3#
57 30.8 14.4 21.6#
100 1.7 8.3 12.5#



#49
Dibromochloromethane
Concen: 0.358 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU040875.D
Acq: 21 Oct 2020 15:58

Tgt Ion: 129 Resp: 6026
Ion Ratio Lower Upper
129 100
127 0.0 55.9 103.9#





#59

1,2,3-Trichloropropane

Concen: 1.075 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040875.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_U

ClientSampleId :

ETZ45DL

Tot Ion: 75 Resp: 14450

Ion Ratio Lower Upper

75 100

77 37.3 27.5 41.3

