

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102120\
 Data File : VU040889.D
 Acq On : 21 Oct 2020 21:46
 Operator : SY/MD
 Sample : L4428-14DL 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ48DL

Quant Time: Oct 22 00:53:20 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	218601	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	229268	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	93892	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	69001	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.92	69	63638	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.58	63	107088	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	4.65	46	345978	65.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.04%#
24) Chloroform-d	5.08	84	161125	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.72	65	101947	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
32) Benzene-d6	5.74	84	277084	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.70	67	98842	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.91	98	218296	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	8.19	79	37968	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.64	63	254754	62.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.10%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	94383	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	87984	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	18228	0.814	ug/L	90
8) Chloroethane	1.95	64	1767	0.122	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	860	0.050	ug/L #	22
12) 1,1-Dichloroethene	2.59	96	1003	0.063	ug/L #	1
16) Methylene chloride	3.07	84	3234	0.164	ug/L	90
22) cis-1,2-Dichloroethene	4.69	96	117415	6.440	ug/L	99
33) Benzene	5.74	78	2886	0.039	ug/L	100
34) Trichloroethene	6.55	95	76848	4.097	ug/L	97
35) Methylcyclohexane	6.70	83	22770	0.811	ug/L #	16
37) 1,2-Dichloropropane	6.71	63	11244	0.565	ug/L #	90
39) cis-1,3-Dichloropropene	7.58	75	2786	0.105	ug/L #	75
44) trans-1,3-Dichloropropene	8.18	75	2048	0.085	ug/L	99
45) 1,1,2-Trichloroethane	8.56	97	2240	0.165	ug/L #	7
47) Tetrachloroethene	8.56	164	219983	15.758	ug/L	99
48) 2-Hexanone	8.64	43	37900	3.902	ug/L #	69
49) Dibromochloromethane	8.56	129	220210	13.613	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	12551	0.971	ug/L #	81

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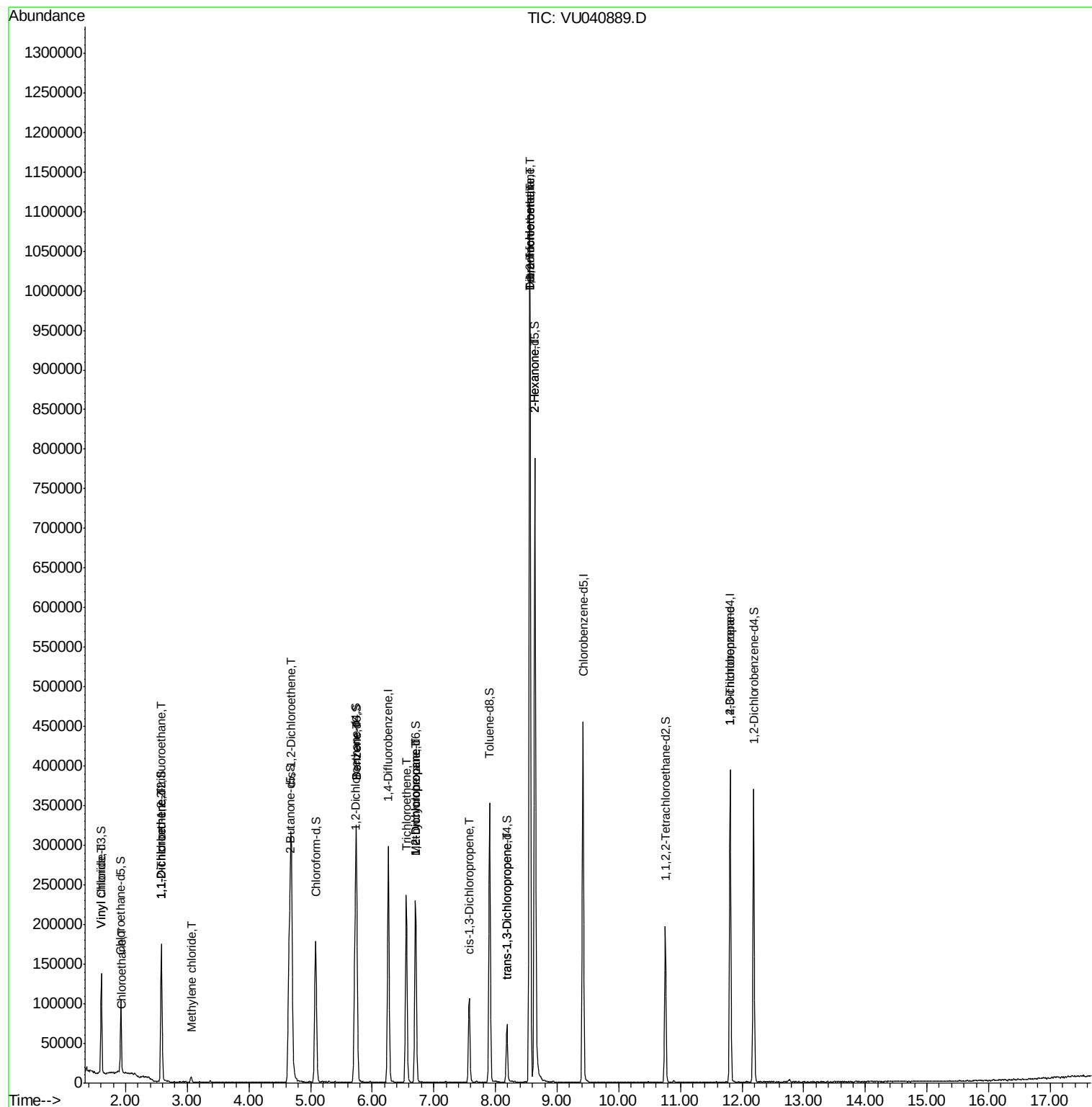
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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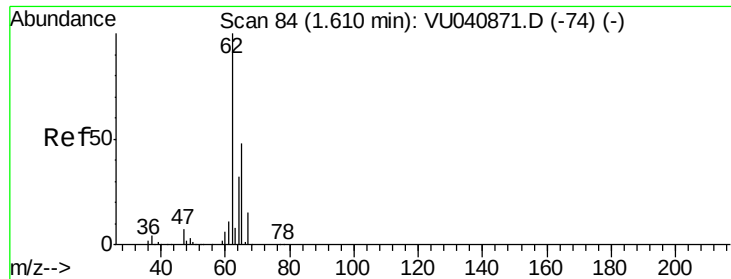
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.814 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040889.D

Acq: 21 Oct 2020 21:46

Instrument :

MSVOA_U

ClientSampleId :

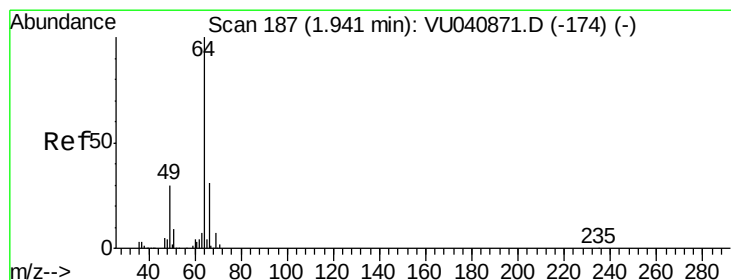
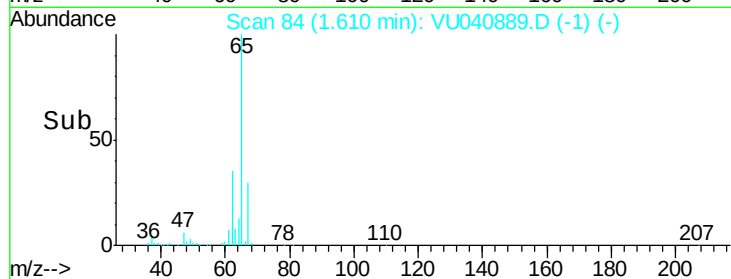
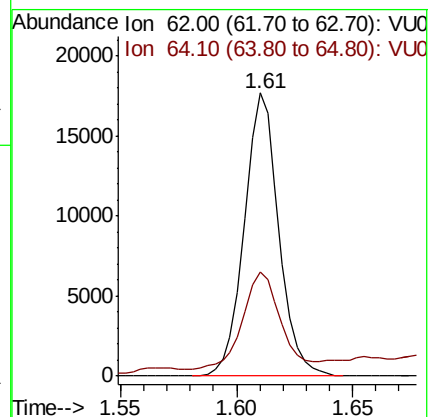
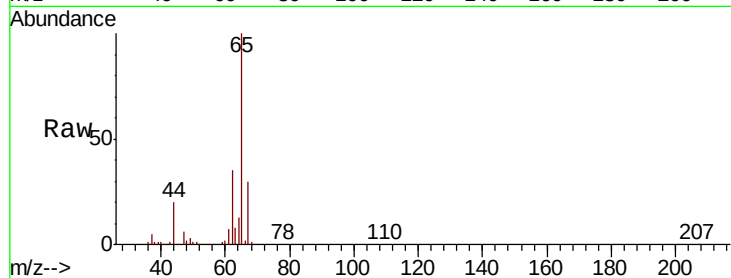
ETZ48DL

Tot Ion: 62 Resp: 18228

Ion Ratio Lower Upper

62 100

64 36.7 21.8 40.6



#8

Chloroethane

Concen: 0.122 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU040889.D

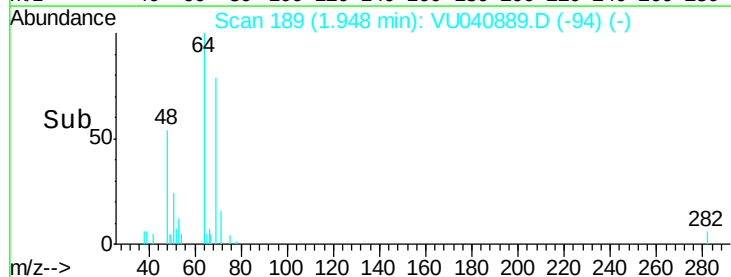
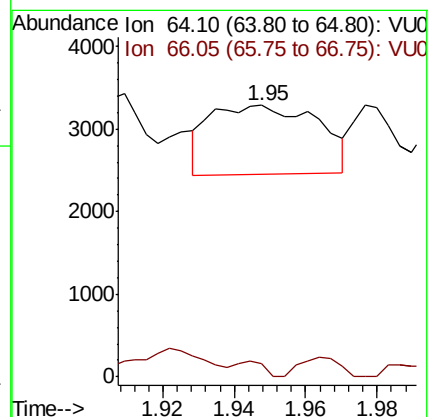
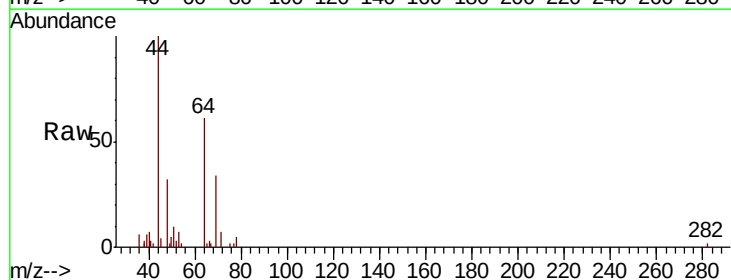
Acq: 21 Oct 2020 21:46

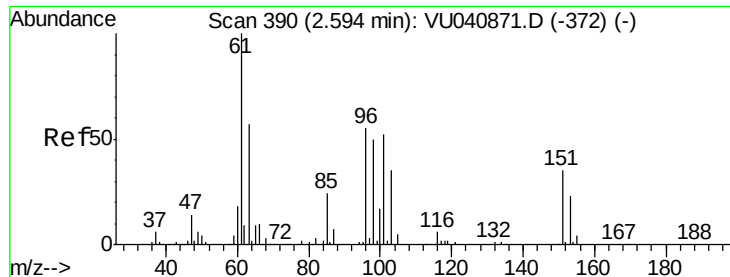
Tgt Ion: 64 Resp: 1767

Ion Ratio Lower Upper

64 100

66 4.7 21.2 39.4#





#10

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

Concen: 0.050 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU040889.D

Acq: 21 Oct 2020 21:46

Instrument :

MSVOA_U

ClientSampleId :

ETZ48DL

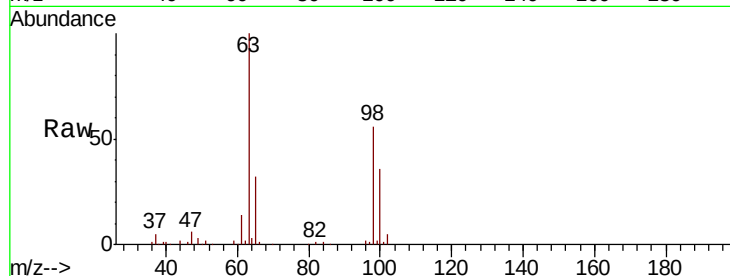
Tot Ion:101 Resp: 860

Ion Ratio Lower Upper

101 100

85 2.6 36.4 54.6#

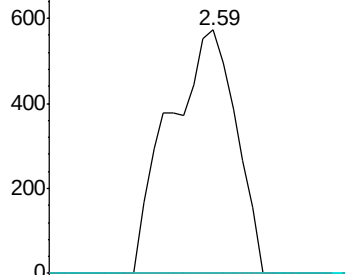
151 0.0 56.3 84.5#



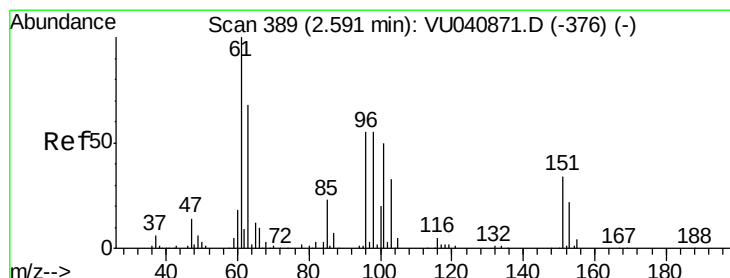
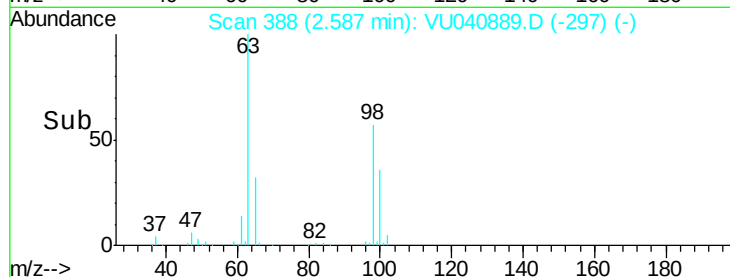
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.063 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU040889.D

Acq: 21 Oct 2020 21:46

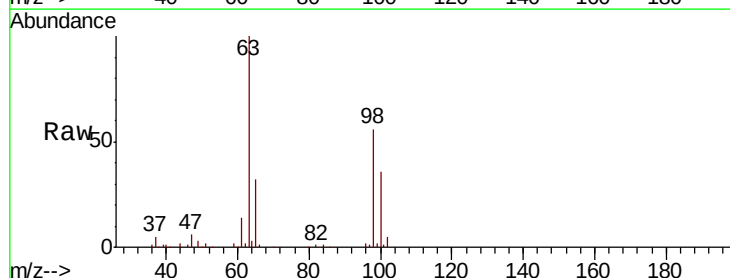
Tgt Ion: 96 Resp: 1003

Ion Ratio Lower Upper

96 100

61 815.0 130.9 243.1#

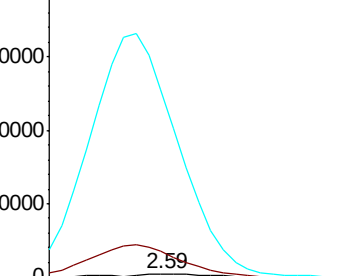
63 5886.3 85.4 158.6#



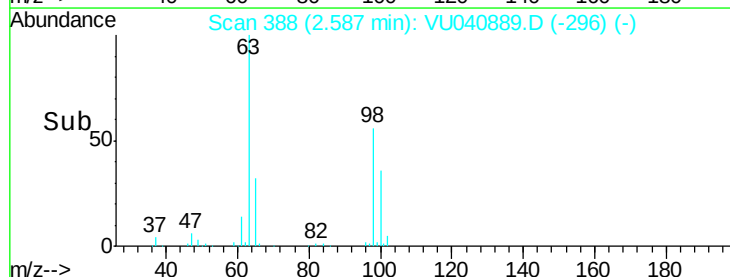
Abundance Ion 96.00 (95.70 to 96.70): VU0

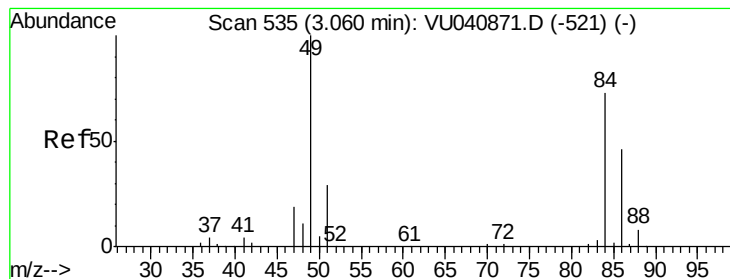
Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->





#16

Methylene chloride

Concen: 0.164 ug/L

RT: 3.07 min Scan# 537

Delta R.T. 0.01 min

Lab File: VU040889.D

Acq: 21 Oct 2020 21:46

Instrument :

MSVOA_U

ClientSampleId :

ETZ48DL

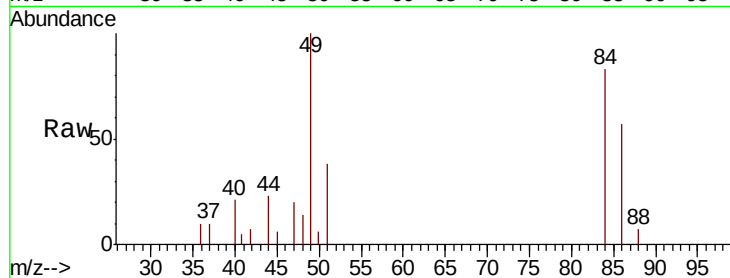
Tot Ion: 84 Resp: 3234

Ion Ratio Lower Upper

84 100

86 68.6 44.9 83.5

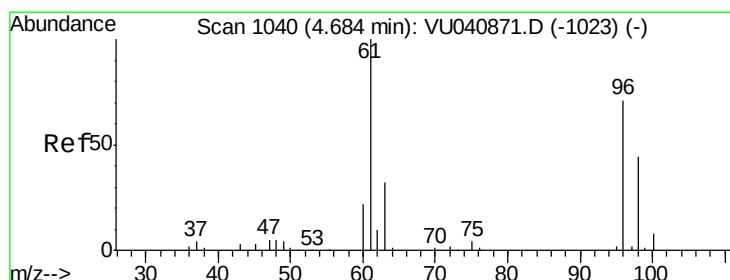
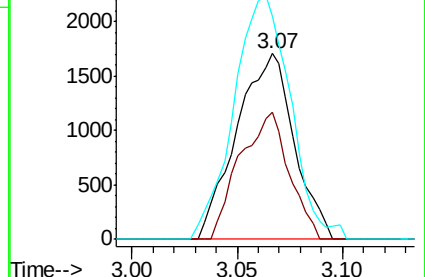
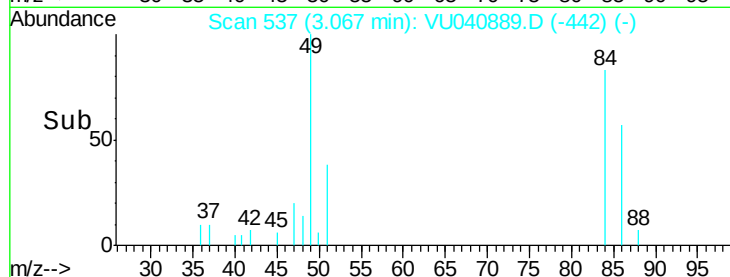
49 120.3 94.7 175.9



Abundance Ion 84.05 (83.75 to 84.75): VU040889.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU040889.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU040889.D (-442) (-)



#22

cis-1,2-Dichloroethene

Concen: 6.440 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040889.D

Acq: 21 Oct 2020 21:46

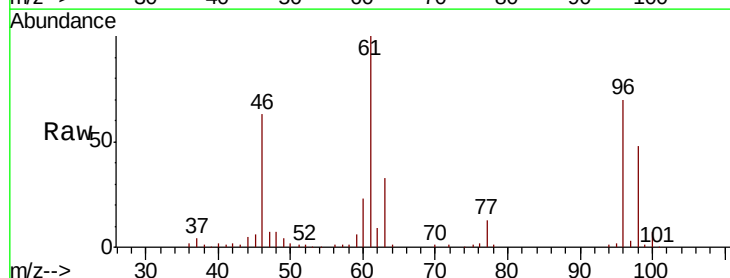
Tgt Ion: 96 Resp: 117415

Ion Ratio Lower Upper

96 100

61 141.9 100.0 185.6

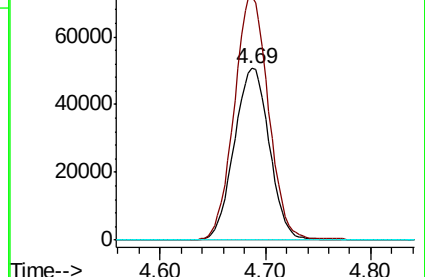
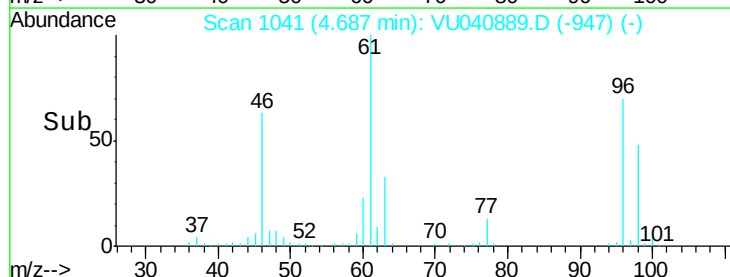
68 0.0 0.0 0.0

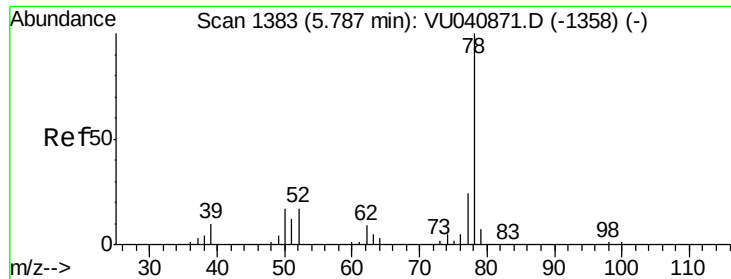


Abundance Ion 96.00 (95.70 to 96.70): VU040889.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040889.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040889.D (-947) (-)





#33

Benzene

Concen: 0.039 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.05 min

Lab File: VU040889.D

Acq: 21 Oct 2020 21:46

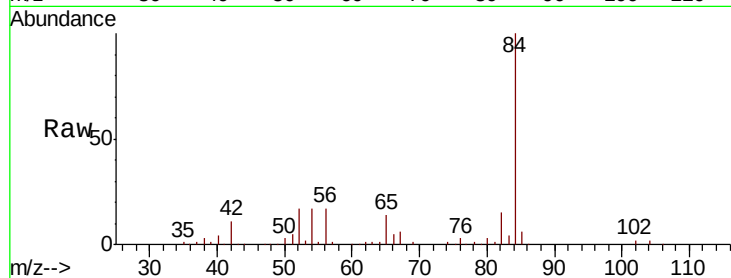
Instrument :

MSVOA_U

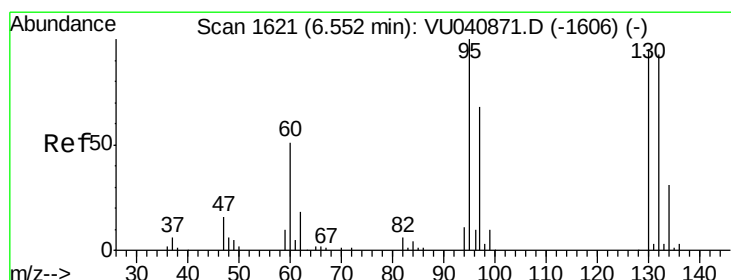
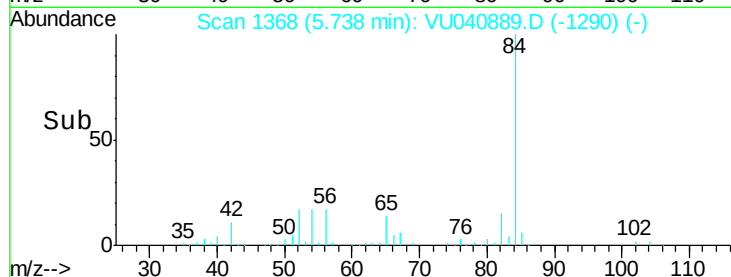
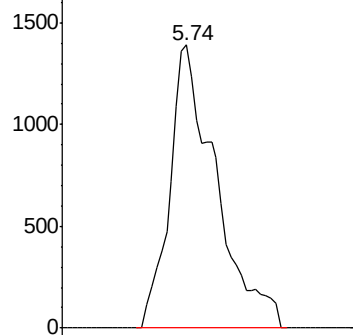
ClientSampleId :

ETZ48DL

Tgt Ion: 78 Resp: 2886



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.097 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040889.D

Acq: 21 Oct 2020 21:46

Tgt Ion: 95 Resp: 76848

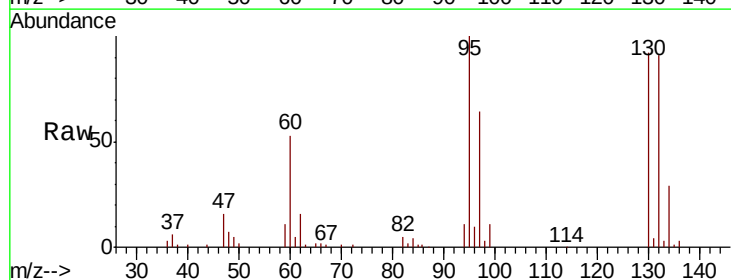
Ion	Ratio	Lower	Upper
95	100		
97	63.8	46.0	85.4
132	90.7	63.6	118.2
130	92.2	68.6	127.4

95 100

97 63.8 46.0 85.4

132 90.7 63.6 118.2

130 92.2 68.6 127.4

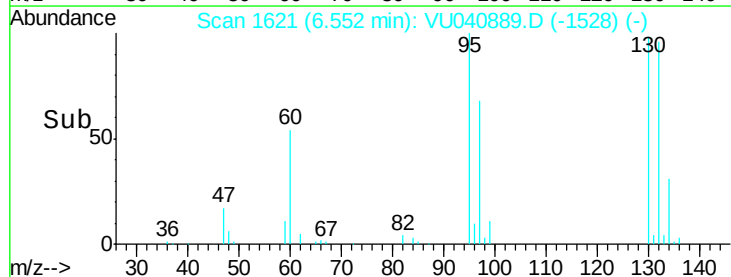


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0



Abundance Ion 95.00 (94.70 to 95.70): VU0

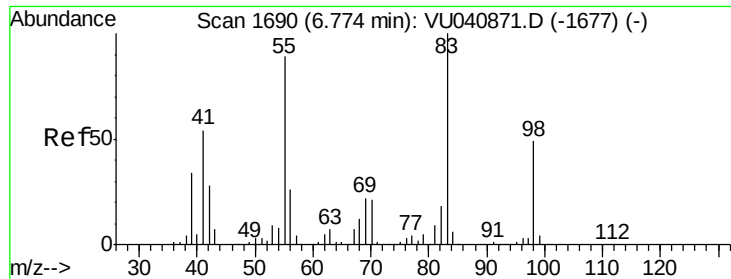
Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

6.55

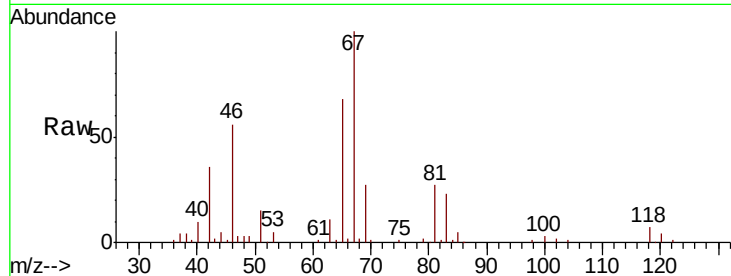
Time-->



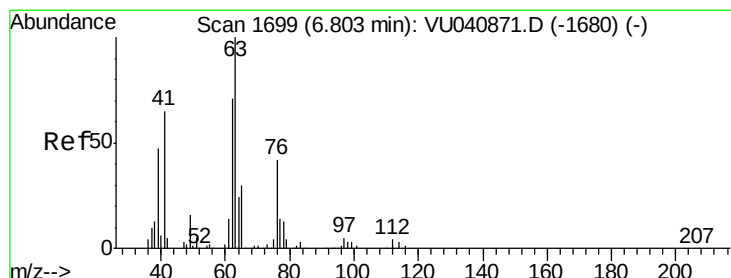
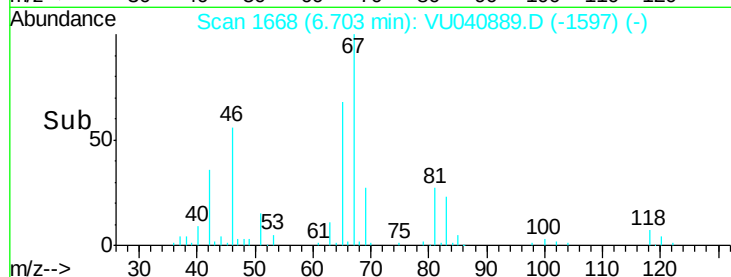
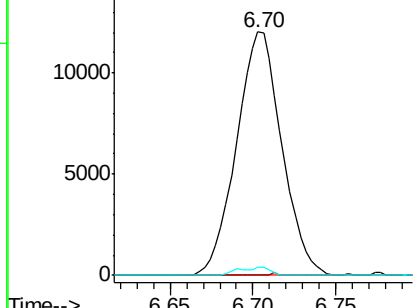
#35
Methylvlcyclohexane
Concen: 0.811 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040889.D
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Tot Ion: 83 Resp: 22770
Ion Ratio Lower Upper
83 100
55 0.1 69.1 103.7#
98 2.2 37.8 56.6#

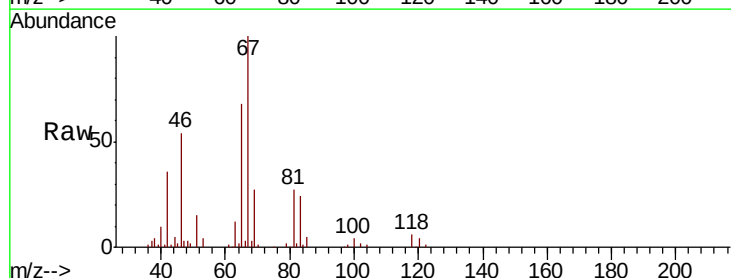


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

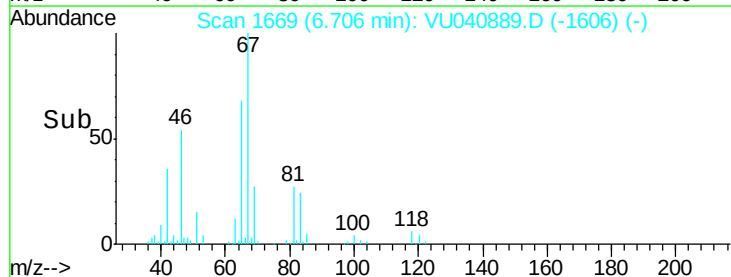
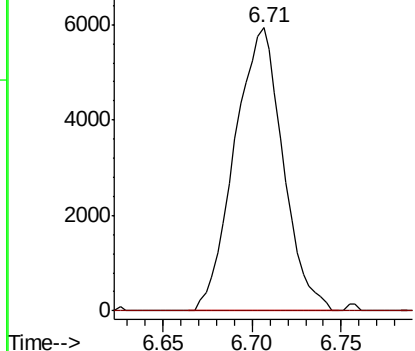


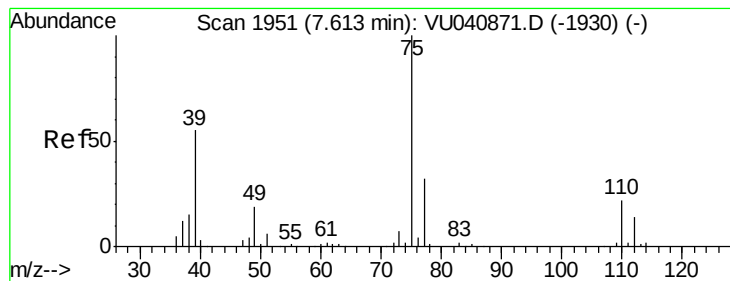
#37
1,2-Dichloropropane
Concen: 0.565 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU040889.D
Acq: 21 Oct 2020 21:46

Tgt Ion: 63 Resp: 11244
Ion Ratio Lower Upper
63 100
112 0.7 3.0 4.6#



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: 0.105 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040889.D

Acq: 21 Oct 2020 21:46

Instrument :

MSVOA_U

ClientSampleId :

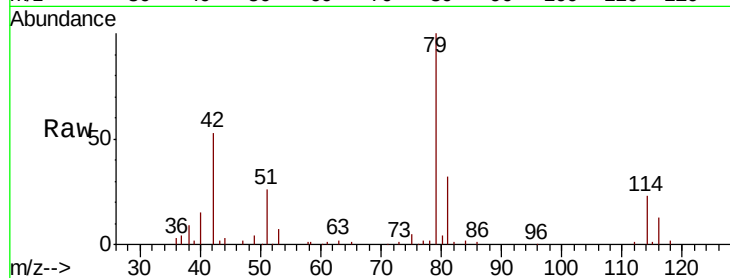
ETZ48DL

Tot Ion: 75 Resp: 2786

Ion Ratio Lower Upper

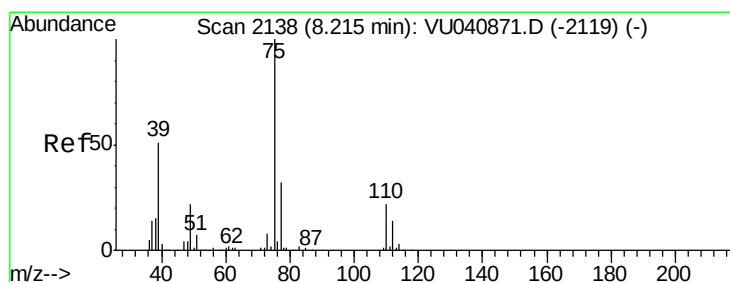
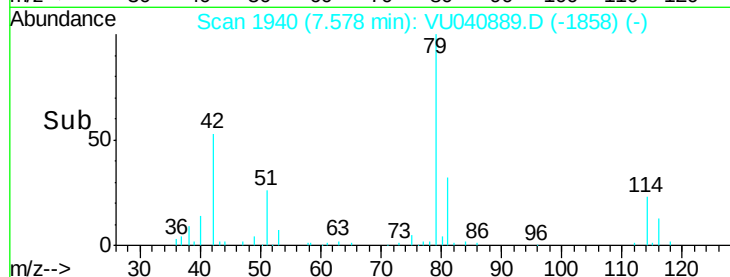
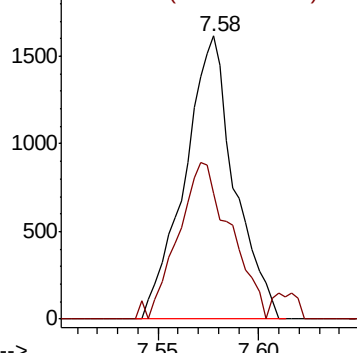
75 100

77 44.5 21.6 40.2#



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: 0.085 ug/L

RT: 8.18 min Scan# 2127

Delta R.T. -0.04 min

Lab File: VU040889.D

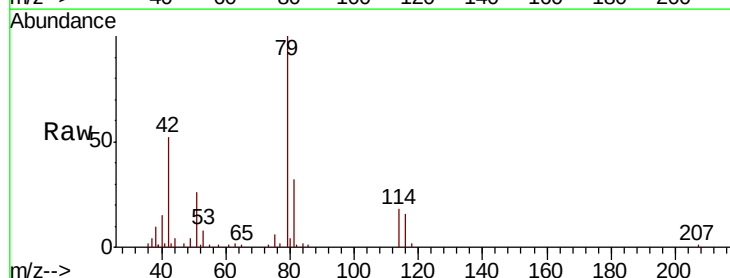
Acq: 21 Oct 2020 21:46

Tgt Ion: 75 Resp: 2048

Ion Ratio Lower Upper

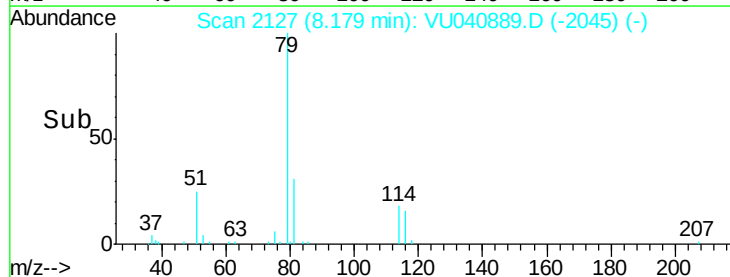
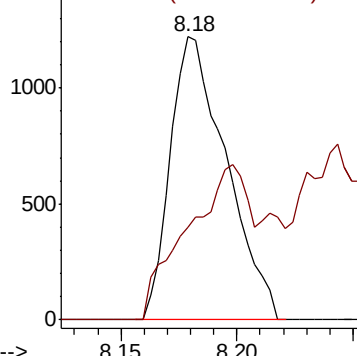
75 100

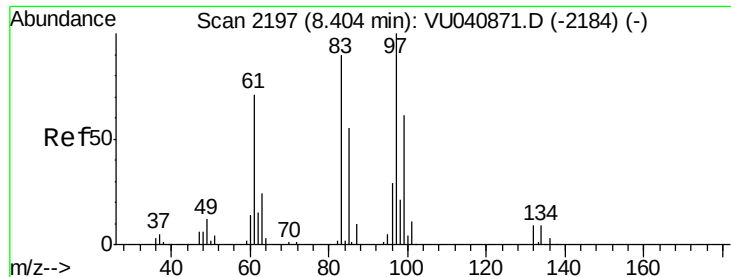
77 32.7 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

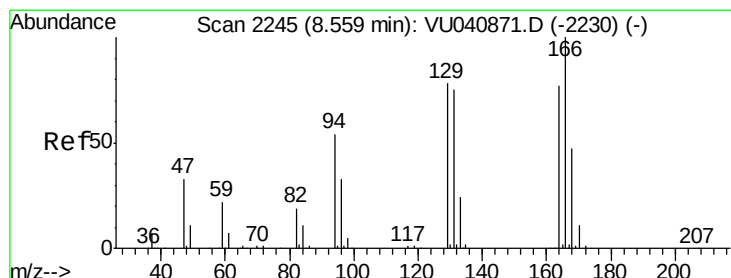
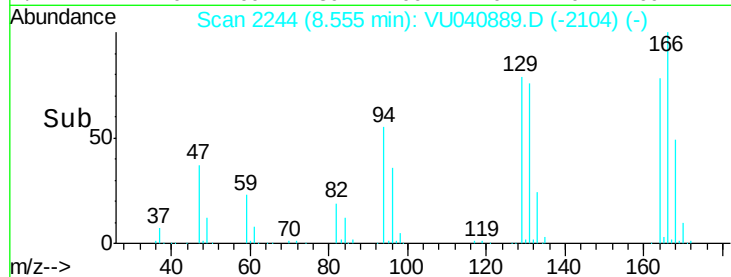
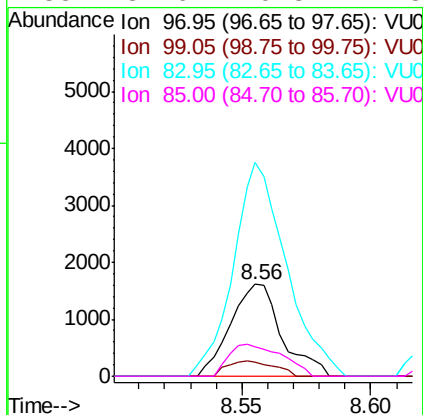
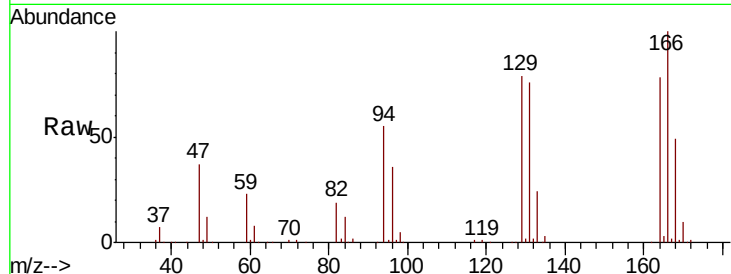




#45
 1,1,2-Trichloroethane
 Concen: 0.165 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.15 min
 Lab File: VU040889.D
 Acq: 21 Oct 2020 21:46

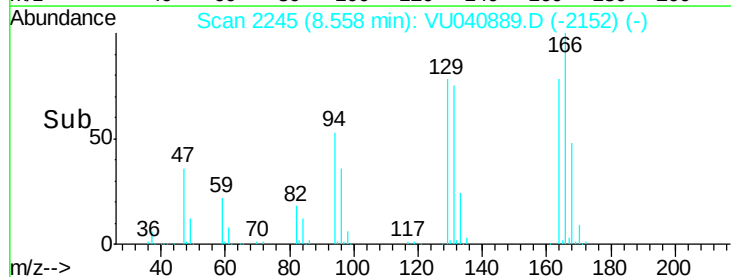
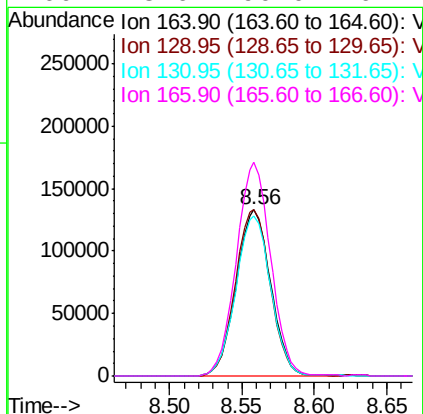
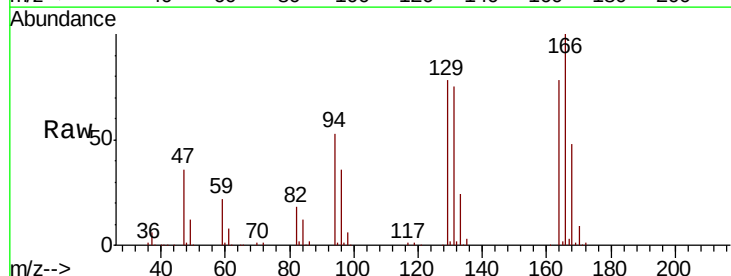
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ48DL

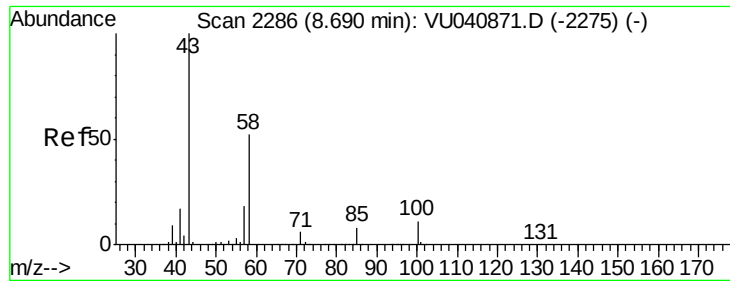
Tot Ion: 97 Resp: 2240
 Ion Ratio Lower Upper
 97 100
 99 15.7 42.1 78.1#
 83 232.2 62.0 115.2#
 85 32.6 40.3 74.8#



#47
 Tetrachloroethene
 Concen: 15.758 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040889.D
 Acq: 21 Oct 2020 21:46

Tgt Ion:164 Resp: 219983
 Ion Ratio Lower Upper
 164 100
 129 100.6 69.7 129.4
 131 96.7 65.4 121.4
 166 128.6 90.0 167.2

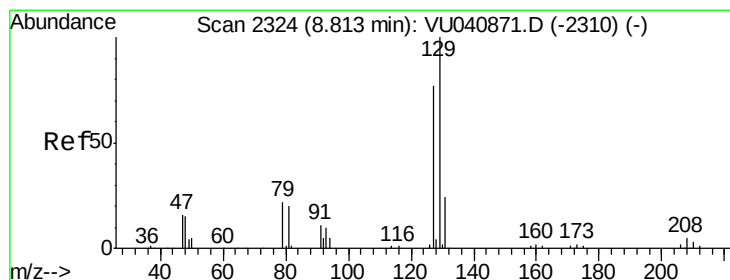
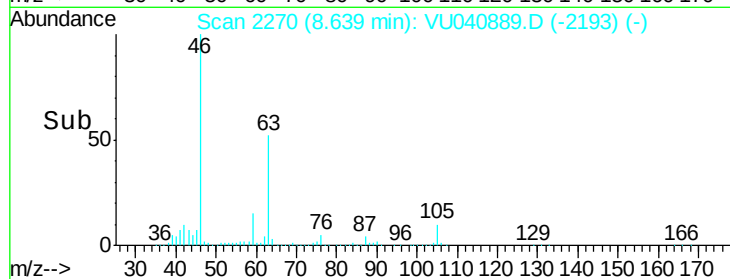
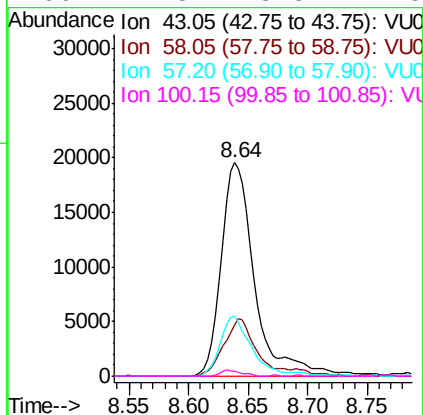
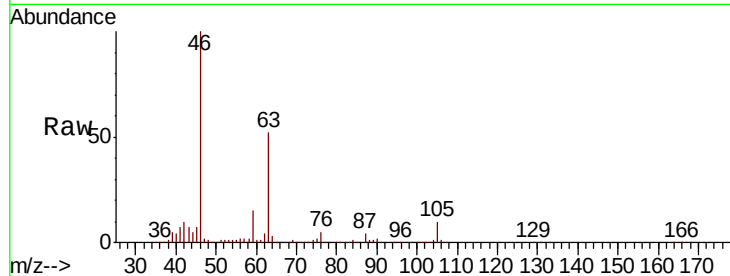




#48
2-Hexanone
Concen: 3.902 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU040889.D
Acq: 21 Oct 2020 21:46

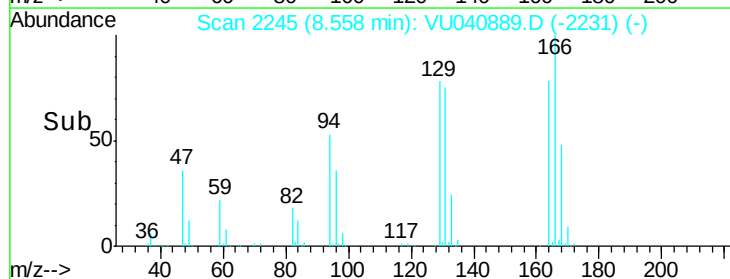
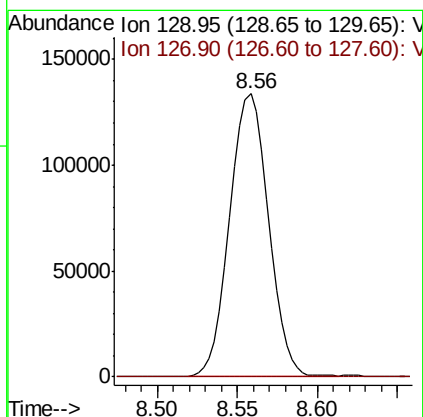
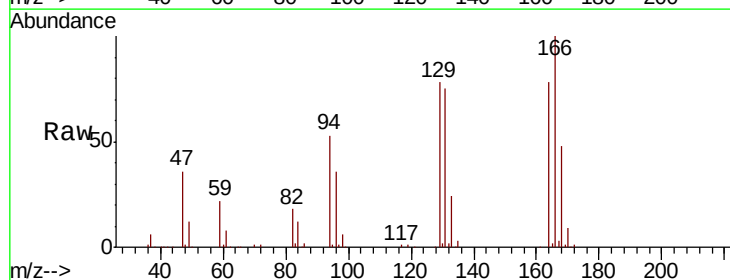
Instrument :
MSVOA_U
ClientSampleId :
ETZ48DL

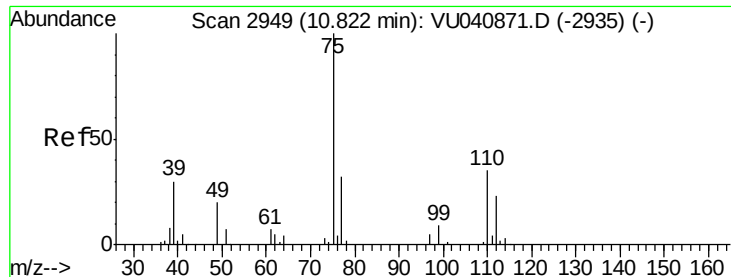
Tot Ion: 43 Resp: 37900
Ion Ratio Lower Upper
43 100
58 25.0 40.9 61.3#
57 25.8 14.4 21.6#
100 1.8 8.3 12.5#



#49
Dibromochloromethane
Concen: 13.613 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU040889.D
Acq: 21 Oct 2020 21:46

Tgt Ion: 129 Resp: 220210
Ion Ratio Lower Upper
129 100
127 0.2 55.9 103.9#





#59

1,2,3-Trichloropropane

Concen: 0.971 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040889.D

Acq: 21 Oct 2020 21:46

Instrument :

MSVOA_U

ClientSampleId :

ETZ48DL

Tot Ion: 75 Resp: 12551

Ion Ratio Lower Upper

75 100

77 45.4 27.5 41.3#

