

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102120\
 Data File : VU040887.D
 Acq On : 21 Oct 2020 20:59
 Operator : SY/MD
 Sample : L4428-10DL2 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ45DL2

Quant Time: Oct 22 00:52:57 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	224571	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	232354	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	97111	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	70181	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.92	69	62629	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.58	63	108583	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	4.65	46	344999	63.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.22%
24) Chloroform-d	5.08	84	159219	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.72	65	101976	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.74	84	284676	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.70	67	100784	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.91	98	215008	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloropropene-	8.19	79	38321	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.64	63	246904	59.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	96020	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	91940	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

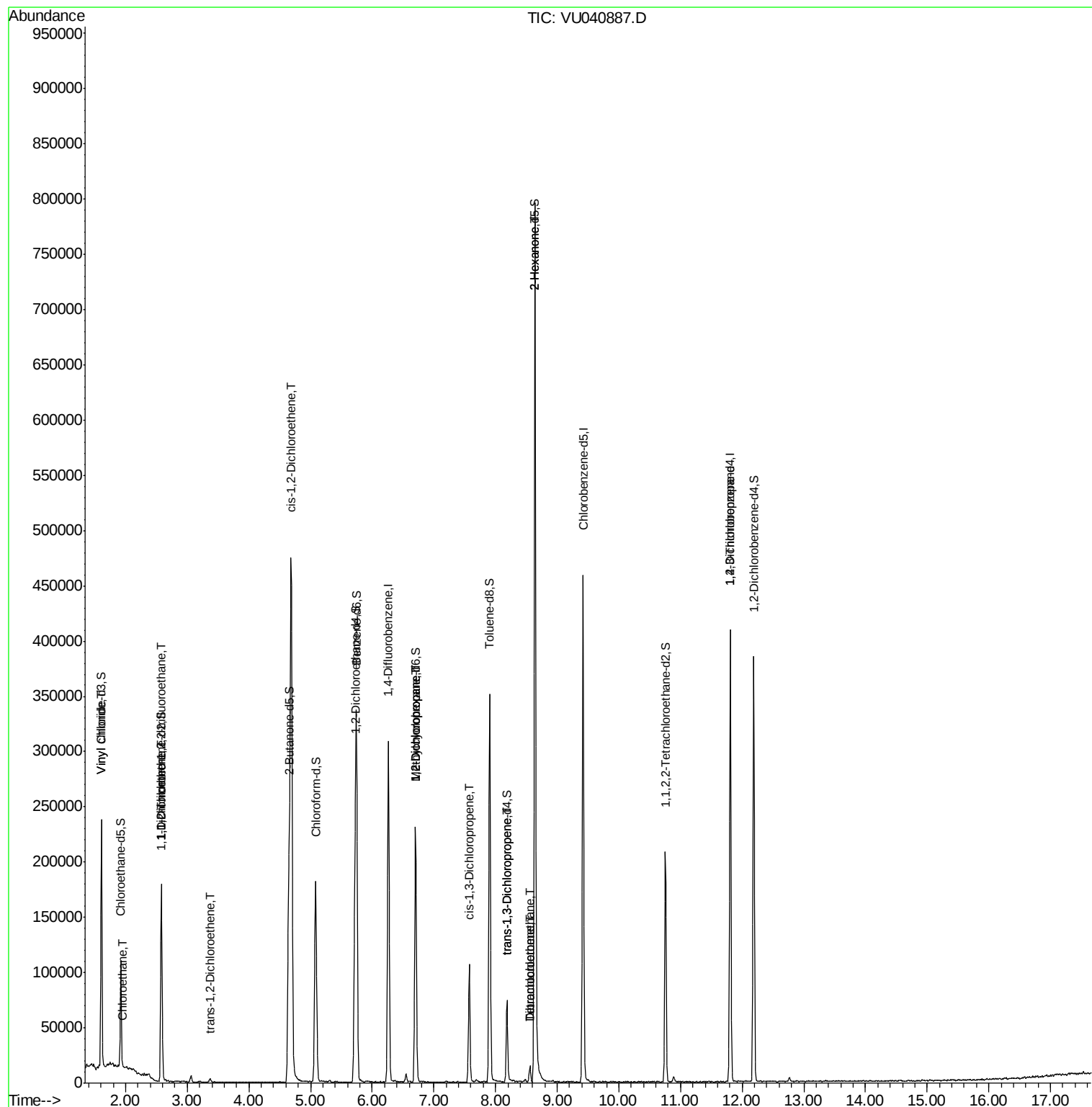
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	88556	3.849	ug/L	90
8) Chloroethane	1.96	64	2523	0.170	ug/L #	54
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	988	0.056	ug/L #	21
12) 1,1-Dichloroethene	2.59	96	1136	0.069	ug/L #	1
18) trans-1,2-Dichloroethene	3.38	96	1394	0.082	ug/L #	71
22) cis-1,2-Dichloroethene	4.69	96	207080	11.056	ug/L	99
35) Methylcyclohexane	6.70	83	23586	0.829	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	12449	0.617	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	2727	0.101	ug/L #	50
44) trans-1,3-Dichloropropene	8.19	75	1916	0.078	ug/L #	69
47) Tetrachloroethene	8.56	164	3070	0.217	ug/L	89
48) 2-Hexanone	8.64	43	37079	3.766	ug/L #	70
49) Dibromochloromethane	8.56	129	3226	0.197	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	14507	1.107	ug/L	99

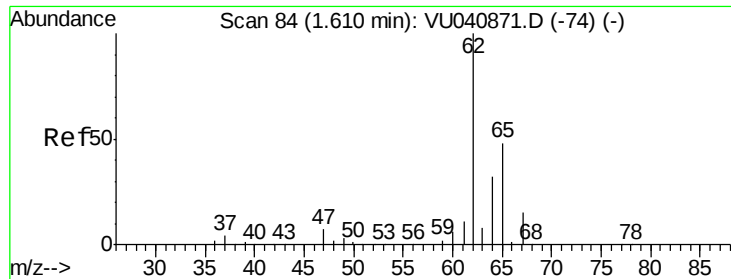
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 22 00:42:50 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.849 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040887.D

Acq: 21 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

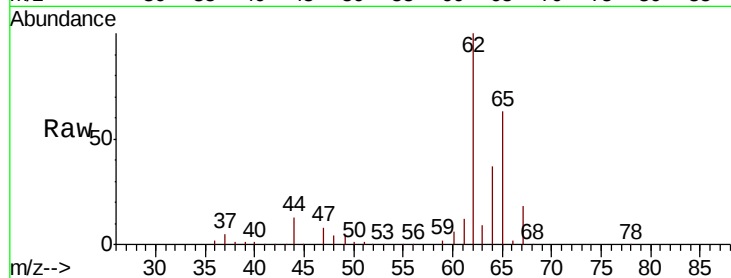
ETZ45DL2

Tot Ion: 62 Resp: 88556

Ion Ratio Lower Upper

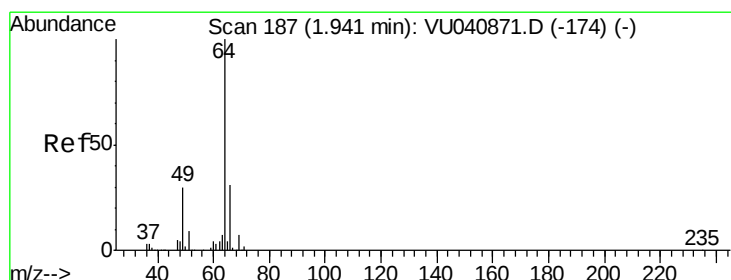
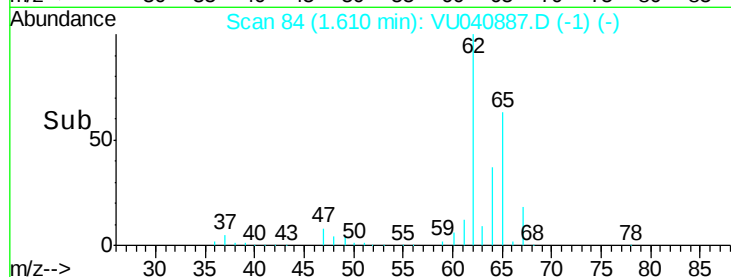
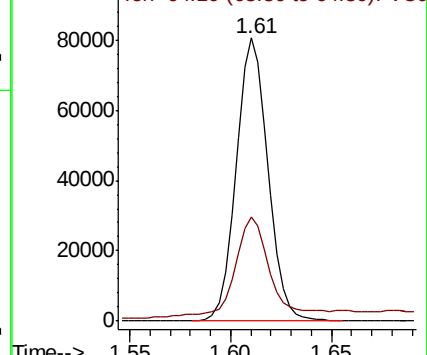
62 100

64 36.6 21.8 40.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.170 ug/L

RT: 1.96 min Scan# 193

Delta R.T. 0.02 min

Lab File: VU040887.D

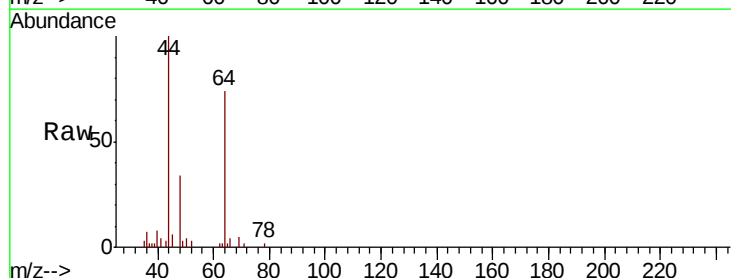
Acq: 21 Oct 2020 20:59

Tgt Ion: 64 Resp: 2523

Ion Ratio Lower Upper

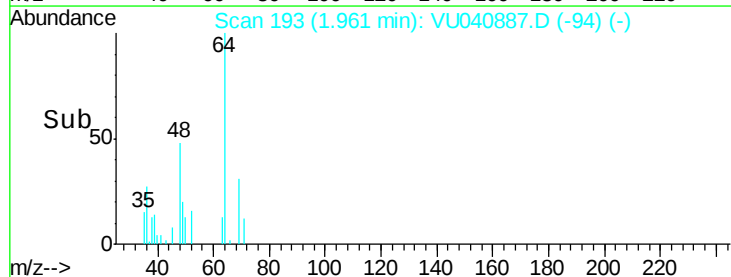
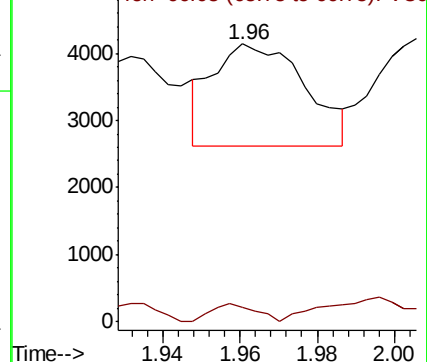
64 100

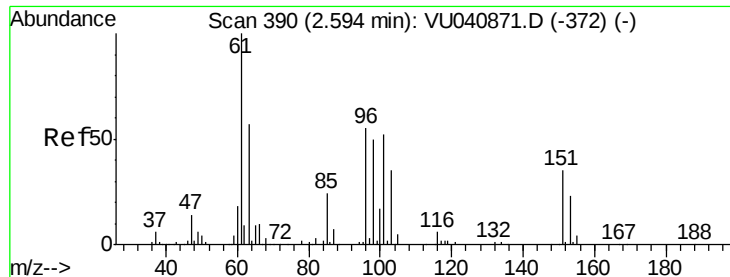
66 5.4 21.2 39.4#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.056 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040887.D

Acq: 21 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

ETZ45DL2

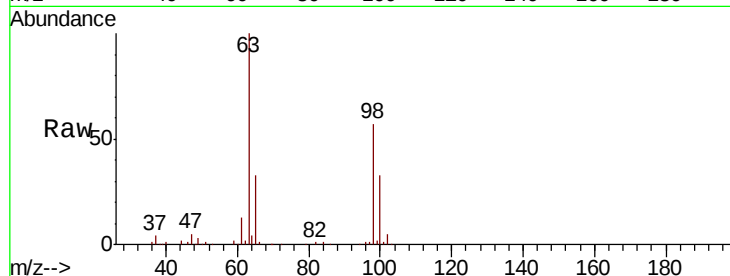
Tot Ion:101 Resp: 988

Ion Ratio Lower Upper

101 100

85 0.0 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

2.58

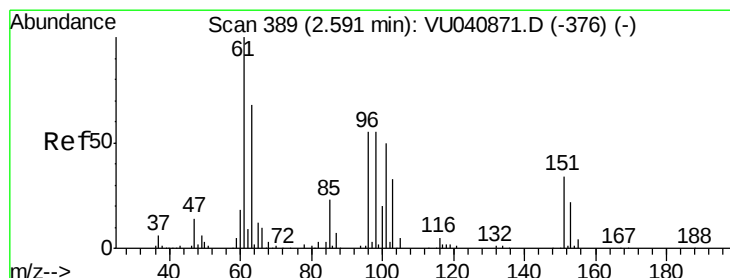
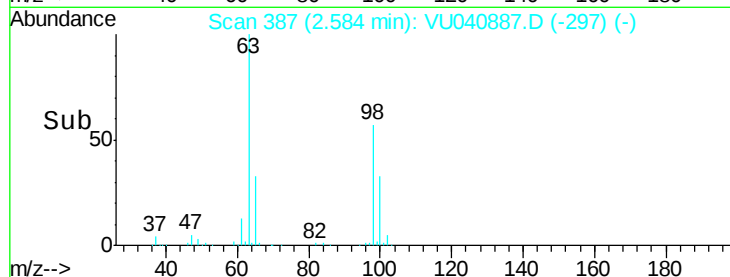
600

400

200

0

Time--> 2.54 2.56 2.58 2.60 2.62



#12

1,1-Dichloroethene

Concen: 0.069 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040887.D

Acq: 21 Oct 2020 20:59

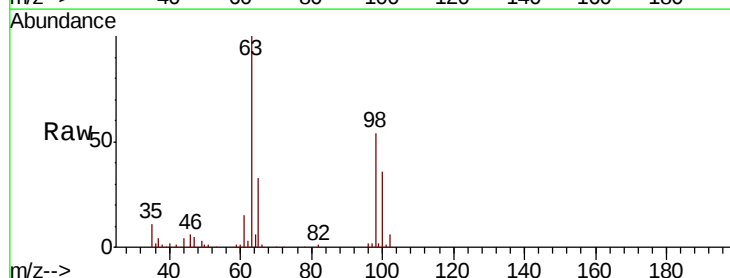
Tgt Ion: 96 Resp: 1136

Ion Ratio Lower Upper

96 100

61 657.4 130.9 243.1#

63 4338.7 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

80000

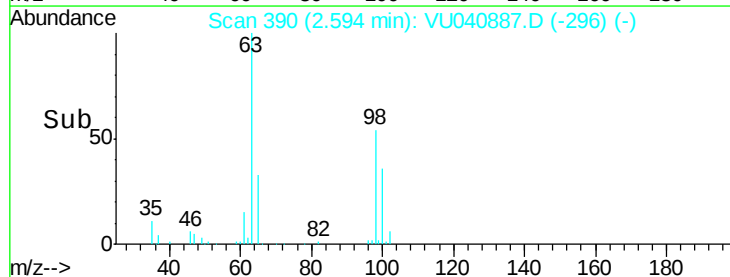
60000

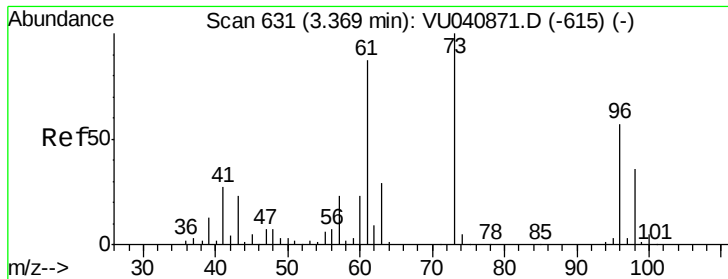
40000

20000

0

Time--> 2.55 2.60





#18

trans-1,2-Dichloroethene

Concen: 0.082 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.01 min

Lab File: VU040887.D

Acq: 21 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampled :

ETZ45DL2

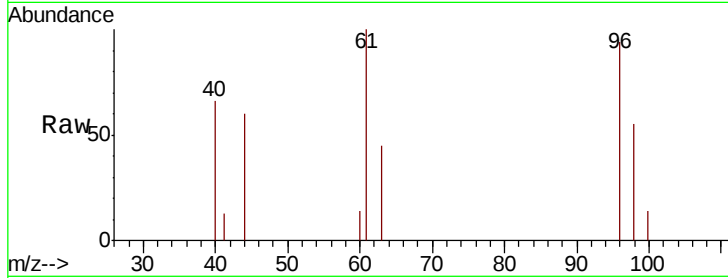
Tot Ion: 96 Resp: 1394

Ion Ratio Lower Upper

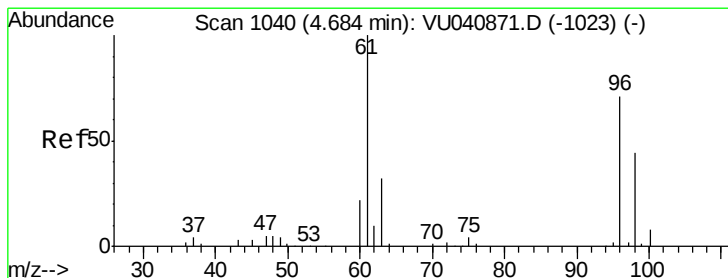
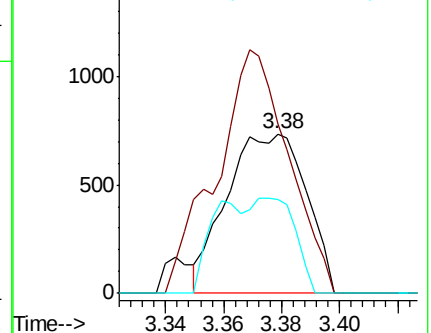
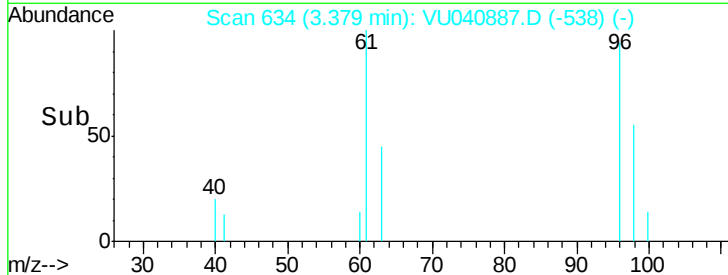
96 100

61 106.1 107.9 200.3#

98 58.6 47.5 88.1



Abundance Ion 96.00 (95.70 to 96.70): VU040887.D (-538) (-)



#22

cis-1,2-Dichloroethene

Concen: 11.056 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040887.D

Acq: 21 Oct 2020 20:59

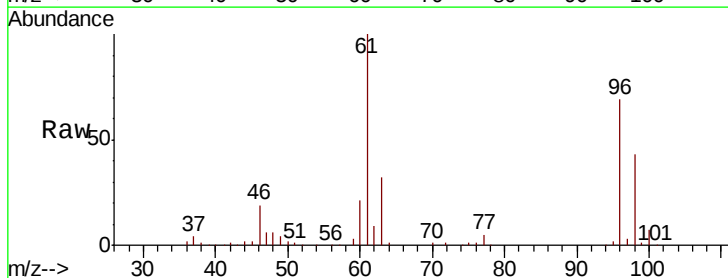
Tgt Ion: 96 Resp: 207080

Ion Ratio Lower Upper

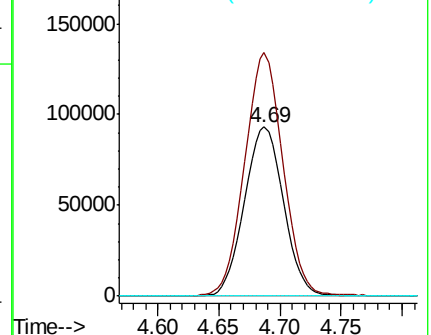
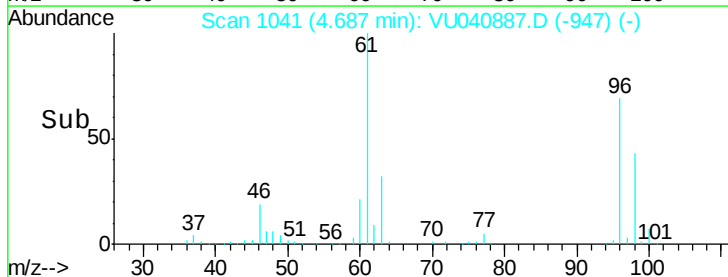
96 100

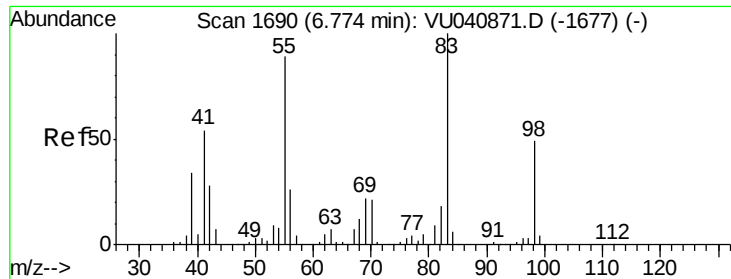
61 144.2 100.0 185.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040887.D (-947) (-)

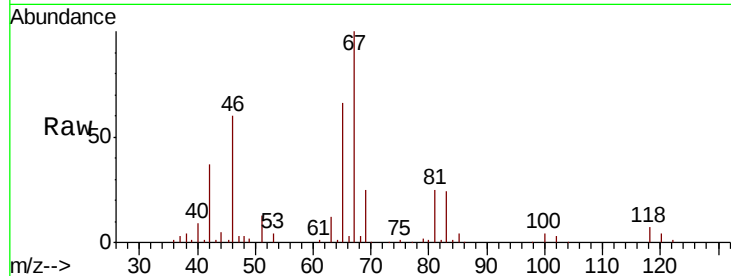




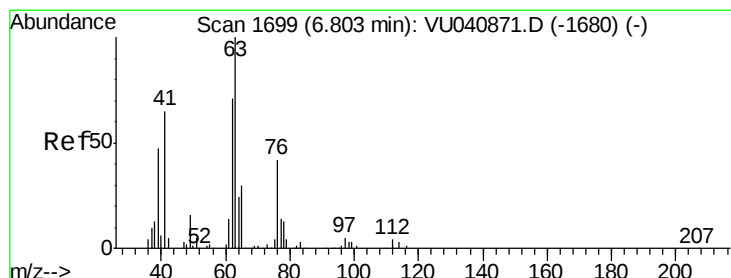
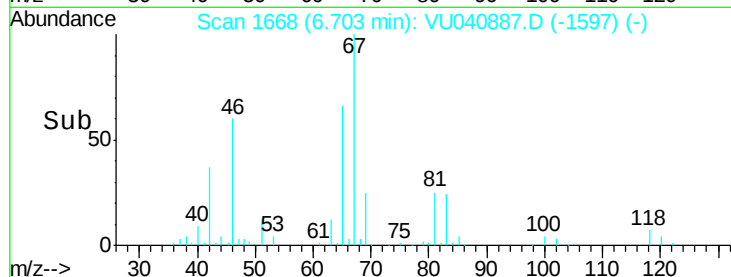
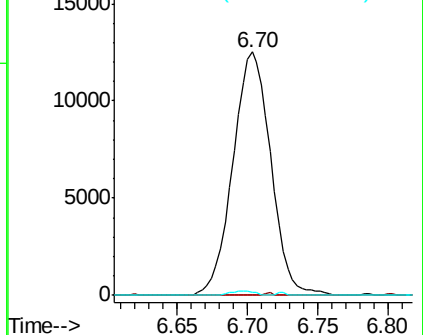
#35
Methvlcvclohexane
Concen: 0.829 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040887.D
Acq: 21 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
ETZ45DL2

Tot Ion: 83 Resp: 23586
Ion Ratio Lower Upper
83 100
55 0.0 69.1 103.7#
98 1.1 37.8 56.6#

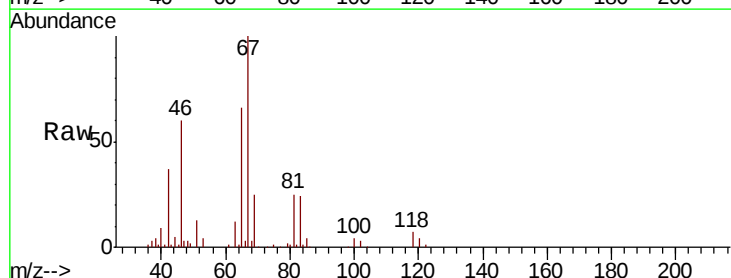


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

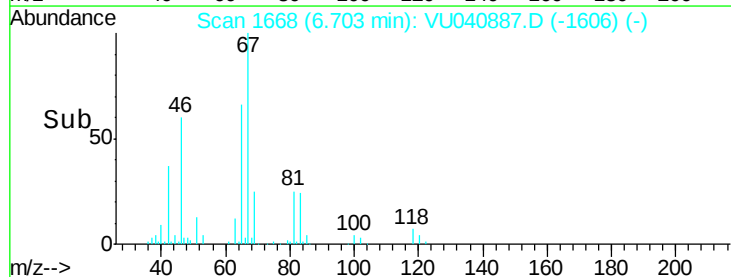
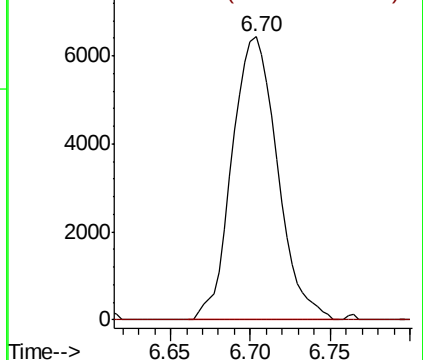


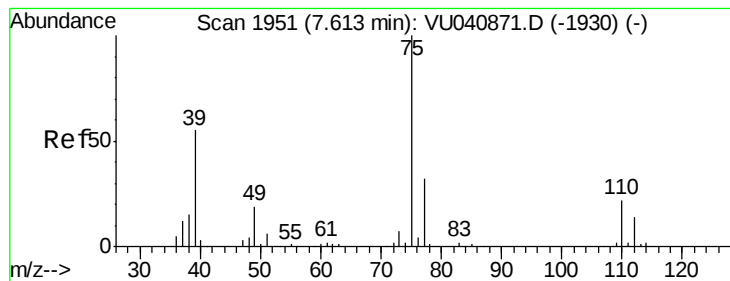
#37
1,2-Dichloropropane
Concen: 0.617 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040887.D
Acq: 21 Oct 2020 20:59

Tgt Ion: 63 Resp: 12449
Ion Ratio Lower Upper
63 100
112 0.9 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



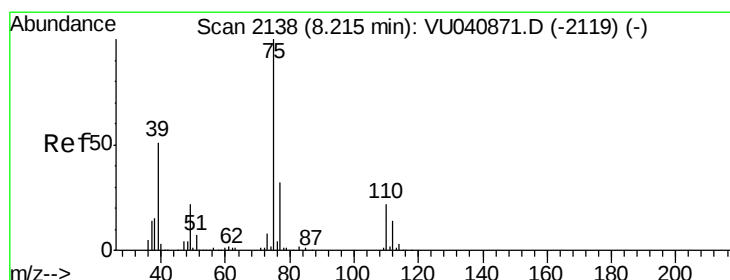
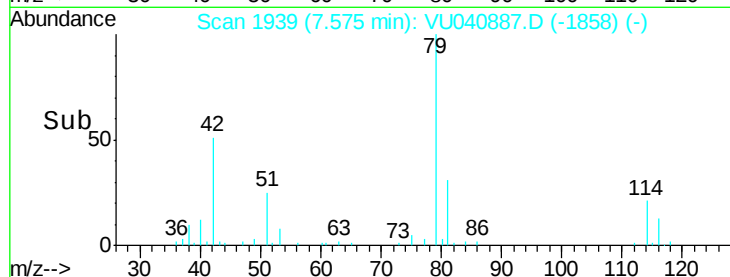
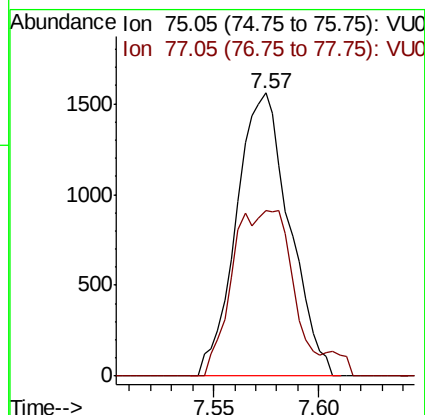
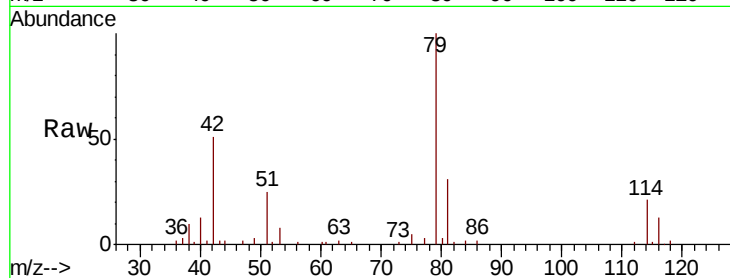


#39

cis-1,3-Dichloropropene
 Concen: 0.101 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040887.D
 Acq: 21 Oct 2020 20:59

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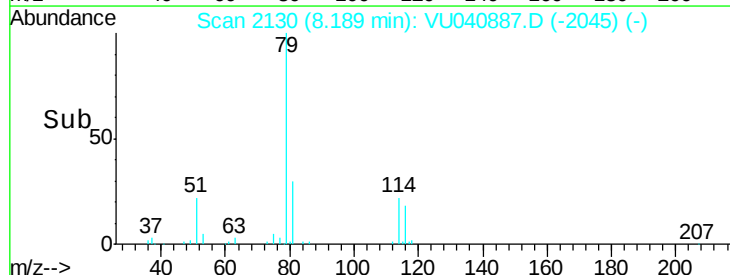
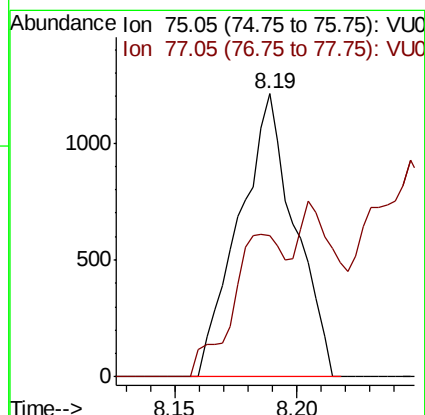
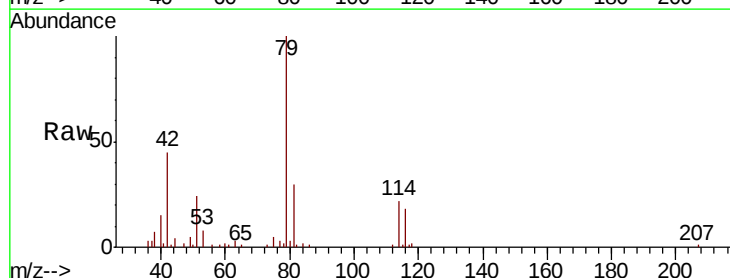
Tot Ion: 75 Resp: 2727
 Ion Ratio Lower Upper
 75 100
 77 58.4 21.6 40.2#

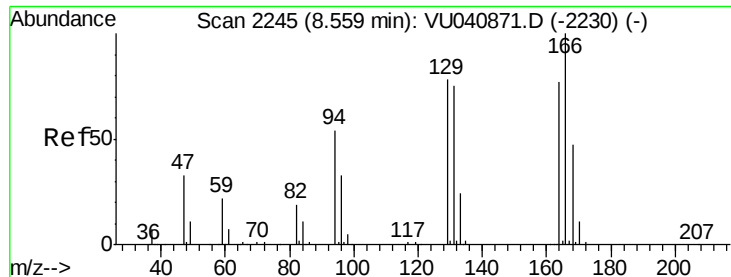


#44

trans-1,3-Dichloropropene
 Concen: 0.078 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU040887.D
 Acq: 21 Oct 2020 20:59

Tgt Ion: 75 Resp: 1916
 Ion Ratio Lower Upper
 75 100
 77 49.9 22.6 42.0#

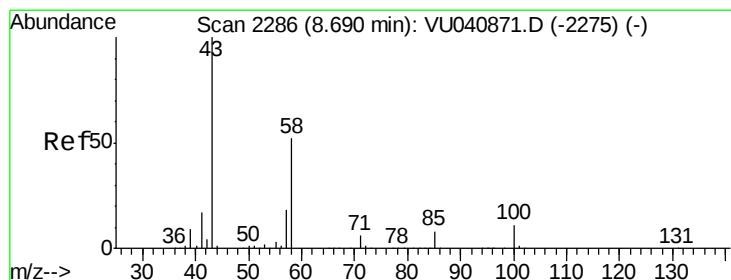
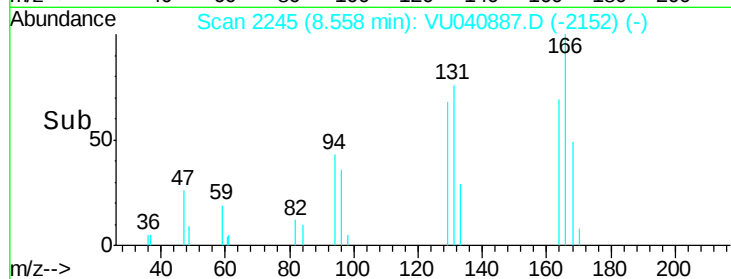
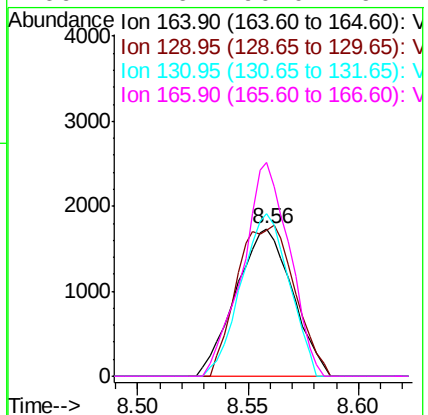
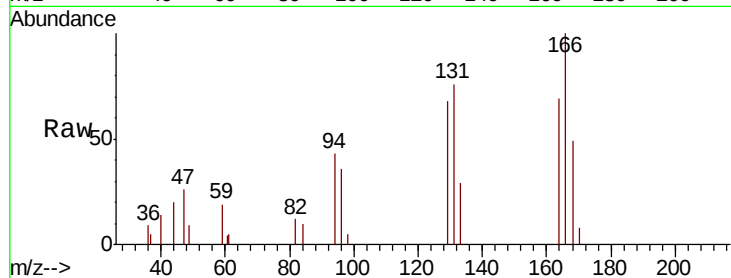




#47
Tetrachloroethene
Concen: 0.217 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU040887.D
Acq: 21 Oct 2020 20:59

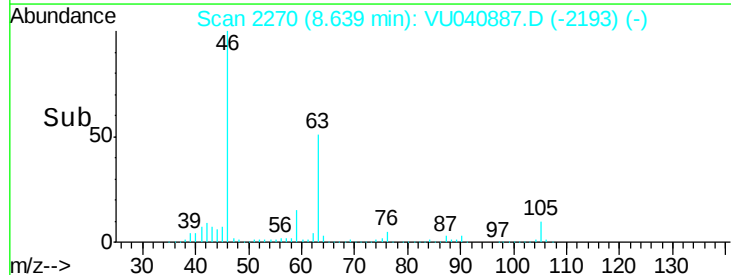
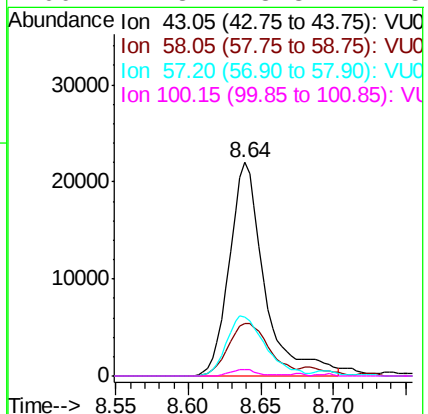
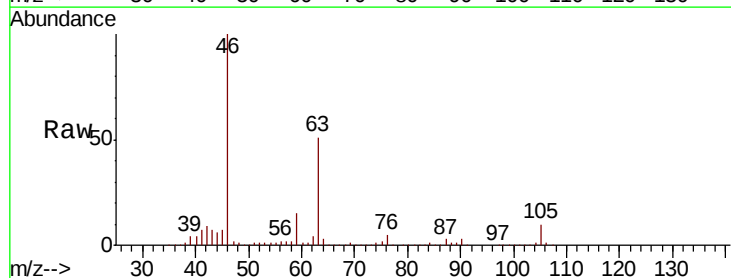
Instrument :
MSVOA_U
ClientSampleId :
ETZ45DL2

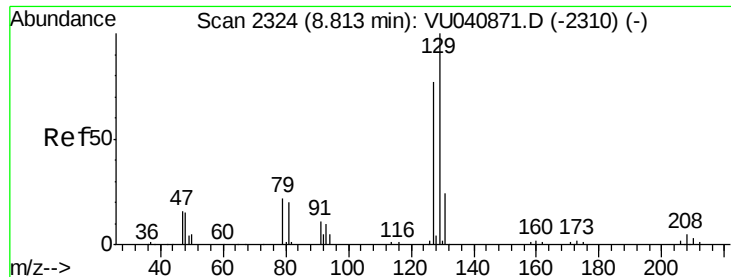
Tot Ion:	164	Resp:	3070
Ion	Ratio	Lower	Upper
164	100		
129	98.8	69.7	129.4
131	110.1	65.4	121.4
166	144.6	90.0	167.2



#48
2-Hexanone
Concen: 3.766 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU040887.D
Acq: 21 Oct 2020 20:59

Tgt Ion:	43	Resp:	37079
Ion	Ratio	Lower	Upper
43	100		
58	28.5	40.9	61.3#
57	31.0	14.4	21.6#
100	2.3	8.3	12.5#





#49

Dibromochloromethane

Concen: 0.197 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU040887.D

Acq: 21 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

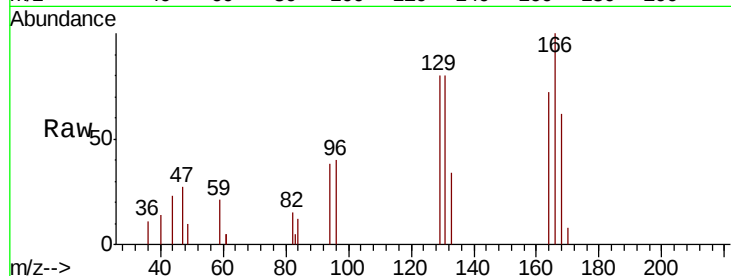
ETZ45DL2

Tot Ion:129 Resp: 3226

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

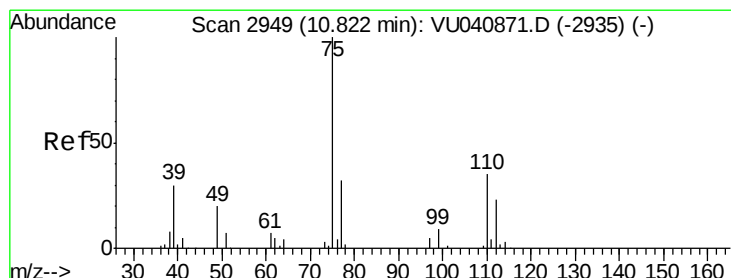
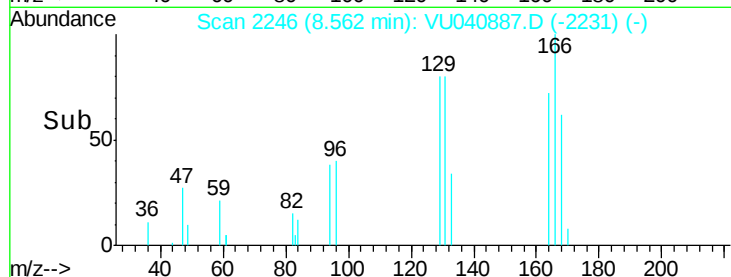
1500

1000

500

0

Time--> 8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 1.107 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040887.D

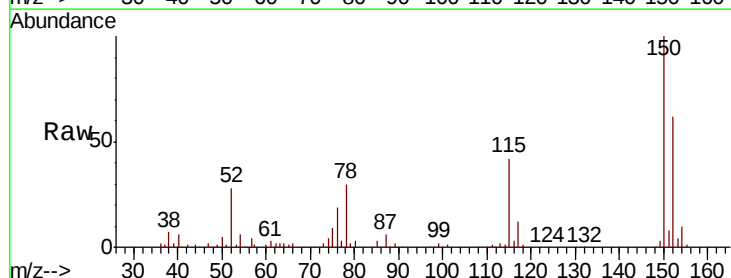
Acq: 21 Oct 2020 20:59

Tgt Ion: 75 Resp: 14507

Ion Ratio Lower Upper

75 100

77 34.1 27.5 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

10000

8000

6000

4000

2000

0

Time--> 11.75 11.80 11.85

