

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120720\
 Data File : VU041484.D
 Acq On : 07 Dec 2020 11:25
 Operator : SY/MD
 Sample : L4944-04DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP8DL

Quant Time: Dec 08 04:33:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 08 04:32:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	50479	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	51566	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23978	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	10691	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.92	69	10819	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.58	63	21438	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	4.65	46	51745	53.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.44%
24) Chloroform-d	5.08	84	36150	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.72	65	25399	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.74	84	54007	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.70	67	14744	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.80%
41) Toluene-d8	7.90	98	46121	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	8.18	79	9123	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.64	63	37398	45.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.30%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	16583	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	22432	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

					Ovalue
8) Chloroethane	1.95	64	69	0.031	ug/L # 45
9) Trichlorofluoromethane	2.15	101	29623	3.861	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	196	0.057	ug/L # 17
16) Methylene chloride	3.06	84	578	0.147	ug/L # 80
25) Chloroform	5.10	83	531	0.076	ug/L 98
27) 1,2-Dichloroethane	5.74	62	355	0.065	ug/L # 79
31) Carbon tetrachloride	5.54	117	690	0.101	ug/L 99
33) Benzene	5.74	78	350	0.027	ug/L 100
34) Trichloroethene	6.56	95	890	0.231	ug/L 85
35) Methylcyclohexane	6.70	83	4581	0.872	ug/L # 17
37) 1,2-Dichloropropane	6.70	63	2379	0.795	ug/L # 84
39) cis-1,3-Dichloropropene	7.57	75	550	0.102	ug/L # 43
44) trans-1,3-Dichloropropene	8.19	75	491	0.091	ug/L 96
45) 1,1,2-Trichloroethane	8.55	97	433	0.150	ug/L # 41
47) Tetrachloroethene	8.56	164	41628	13.681	ug/L 96
49) Dibromochloromethane	8.56	129	41236	10.493	ug/L # 12
59) 1,2,3-Trichloropropane	11.81	75	2580	0.889	ug/L # 80

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 08 04:32:02 2020
Response via : Initial Calibration

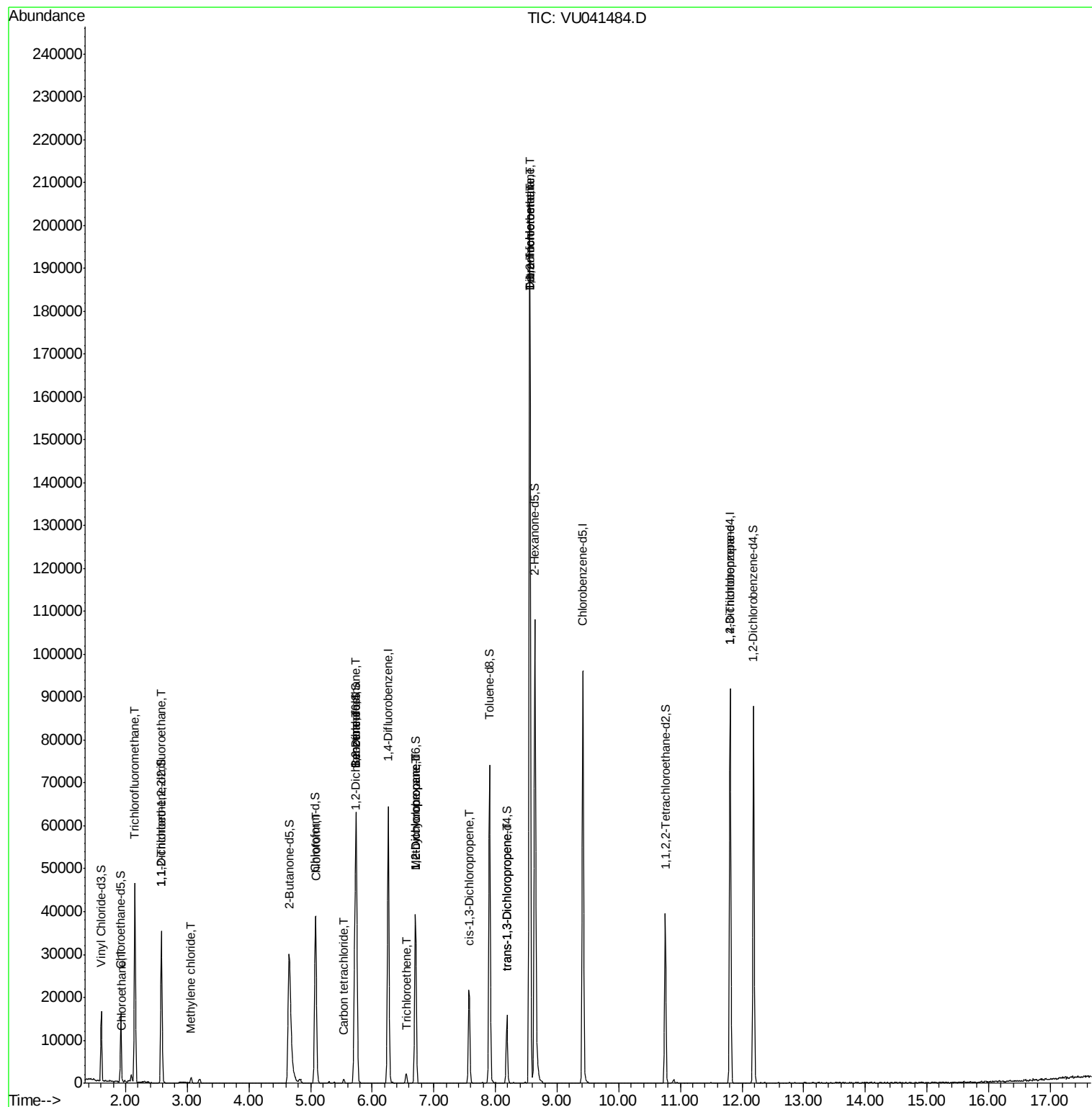
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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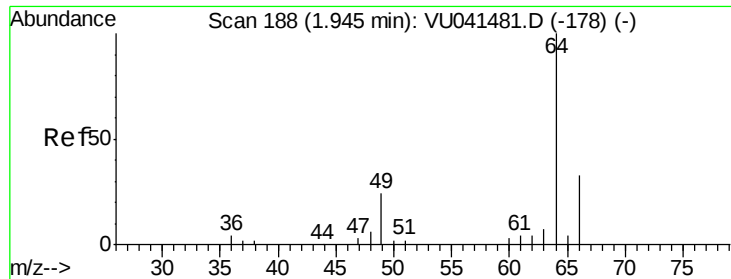
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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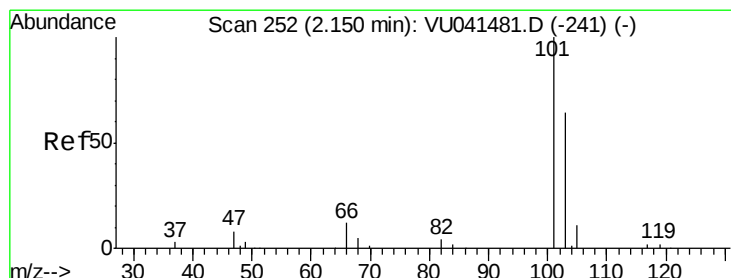
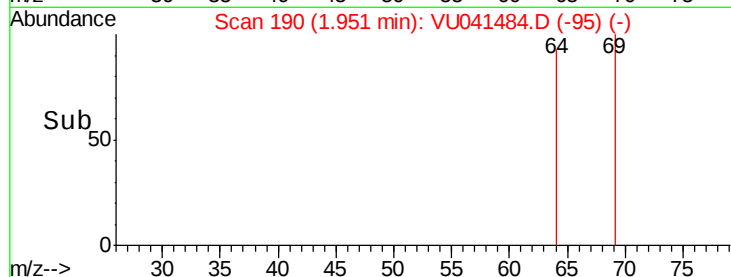
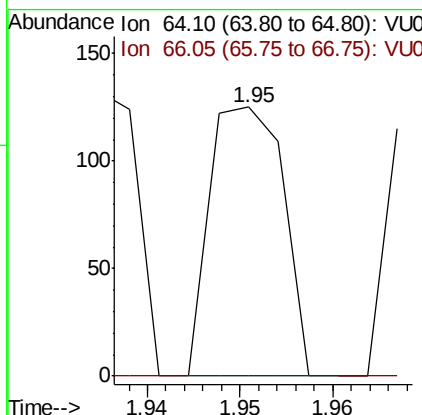
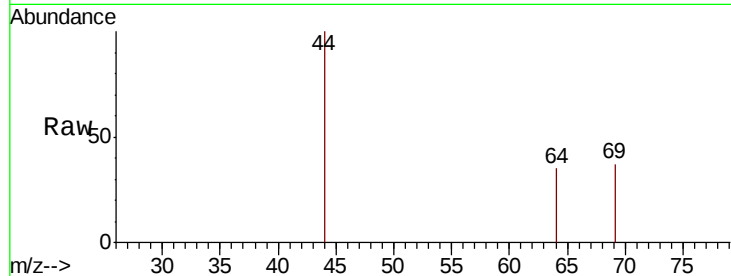




#8
Chloroethane
Concen: 0.031 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.01 min
Lab File: VU041484.D
Acq: 07 Dec 2020 11:25

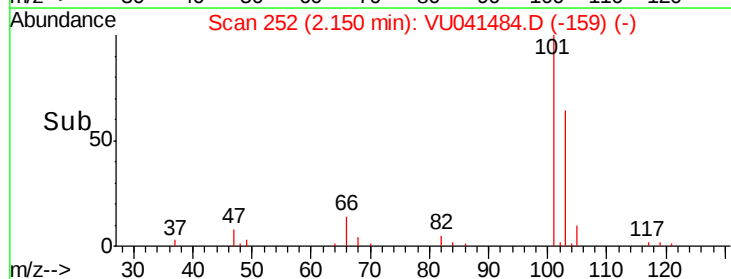
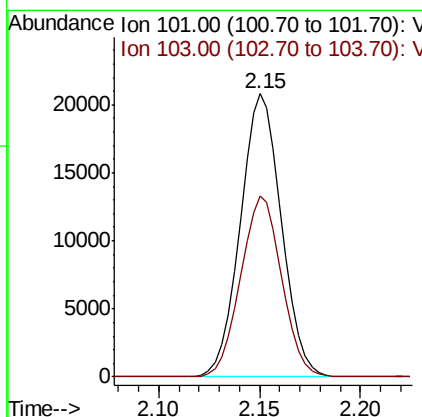
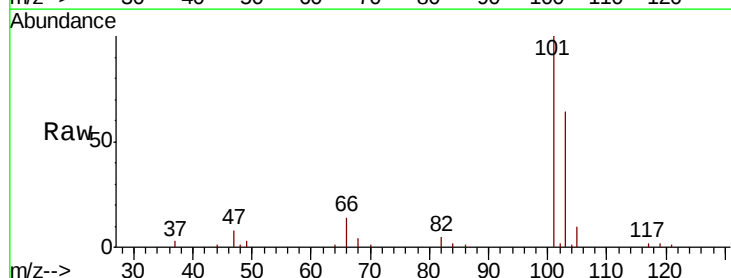
Instrument :
MSVOA_U
ClientSampleId :
C0AP8DL

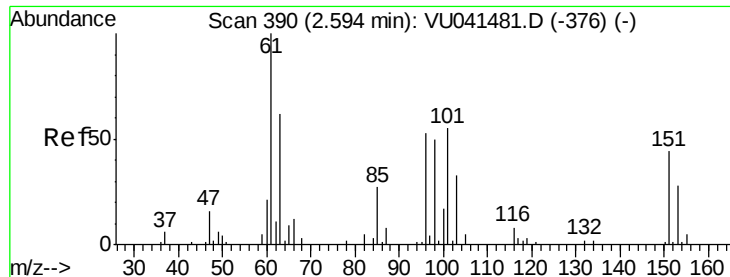
Tot Ion: 64 Resp: 69
Ion Ratio Lower Upper
64 100
66 0.0 20.9 38.9#



#9
Trichlorofluoromethane
Concen: 3.861 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU041484.D
Acq: 07 Dec 2020 11:25

Tgt Ion:101 Resp: 29623
Ion Ratio Lower Upper
101 100
103 63.7 51.4 77.0





#10

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

Concen: 0.057 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041484.D

Acq: 07 Dec 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

C0AP8DL

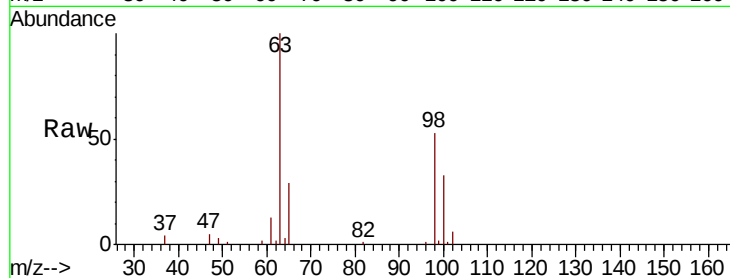
Tot Ion:101 Resp: 196

Ion Ratio Lower Upper

101 100

85 0.0 39.4 59.2#

151 0.0 63.8 95.8#



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

150

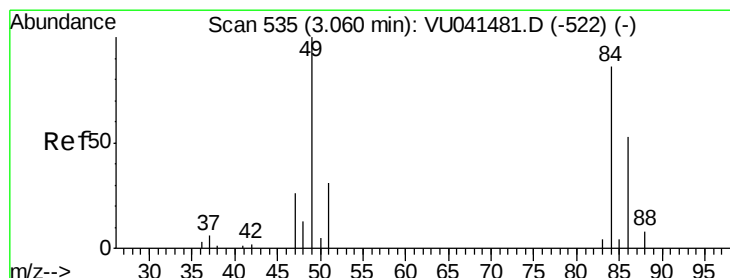
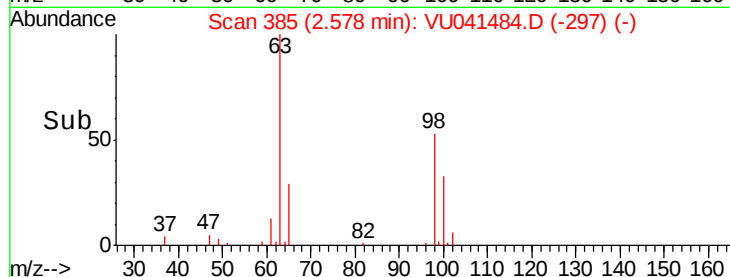
100

50

0

2.56 2.58 2.60

Time-->



#16

Methylene chloride

Concen: 0.147 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU041484.D

Acq: 07 Dec 2020 11:25

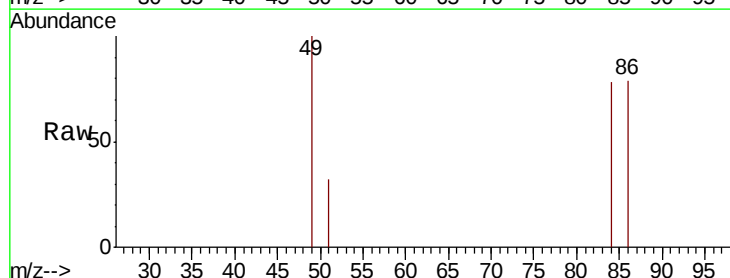
Tgt Ion: 84 Resp: 578

Ion Ratio Lower Upper

84 100

86 101.2 44.1 81.9#

49 128.4 86.1 159.9



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

3.06

400

300

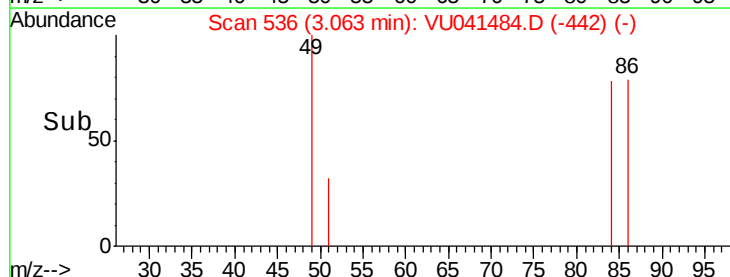
200

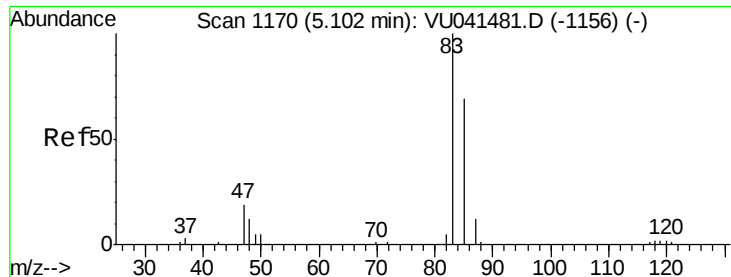
100

0

3.02 3.04 3.06 3.08 3.10

Time-->





#25

Chloroform

Concen: 0.076 ug/L

RT: 5.10 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VU041484.D

Acq: 07 Dec 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

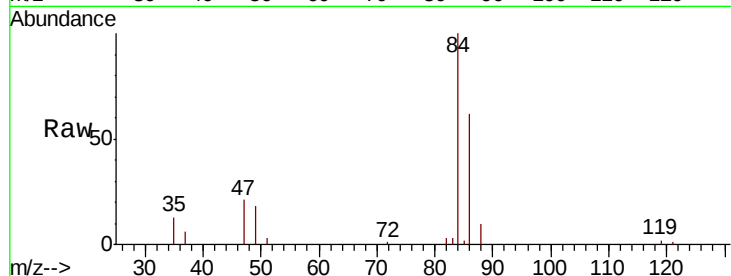
C0AP8DL

Tot Ion: 83 Resp: 531

Ion Ratio Lower Upper

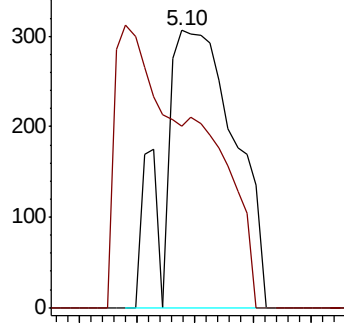
83 100

85 65.7 44.7 82.9

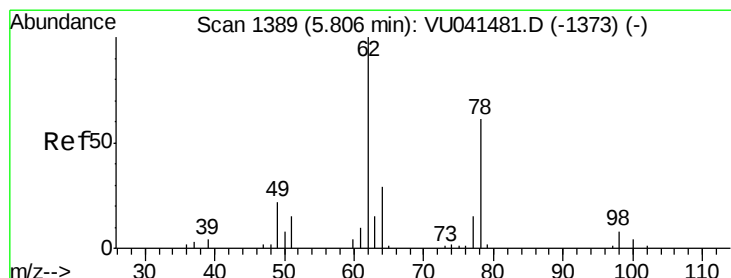
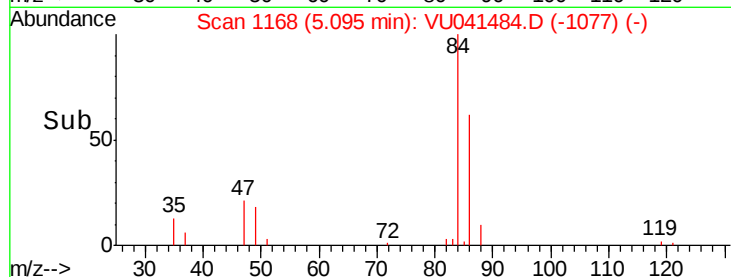


Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



Time-->



#27

1,2-Dichloroethane

Concen: 0.065 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.06 min

Lab File: VU041484.D

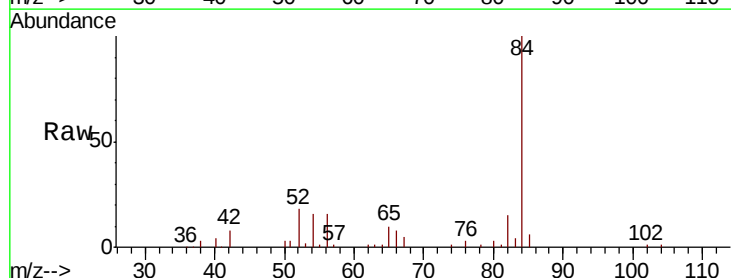
Acq: 07 Dec 2020 11:25

Tgt Ion: 62 Resp: 355

Ion Ratio Lower Upper

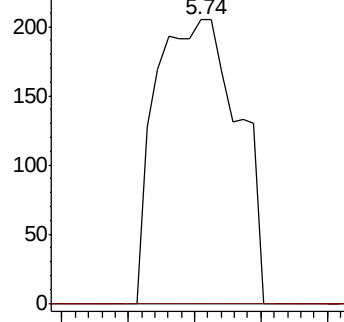
62 100

98 0.0 5.7 8.5#

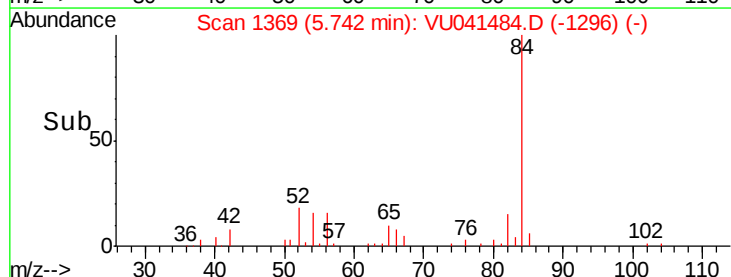


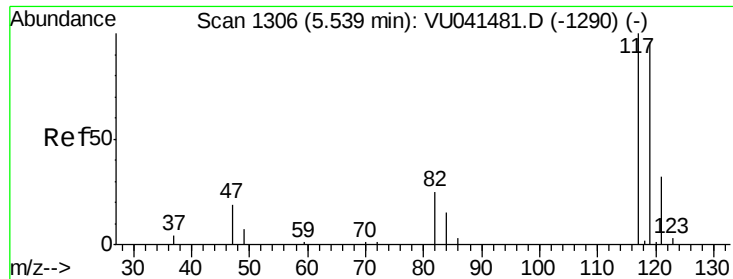
Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



Time-->

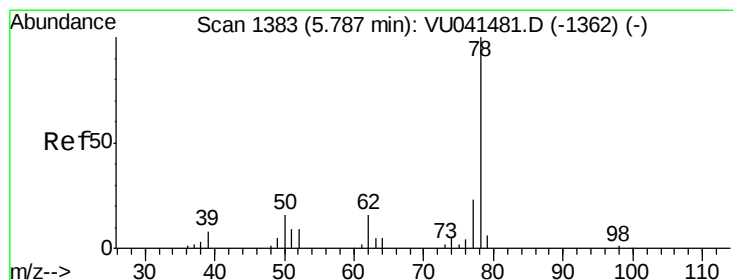
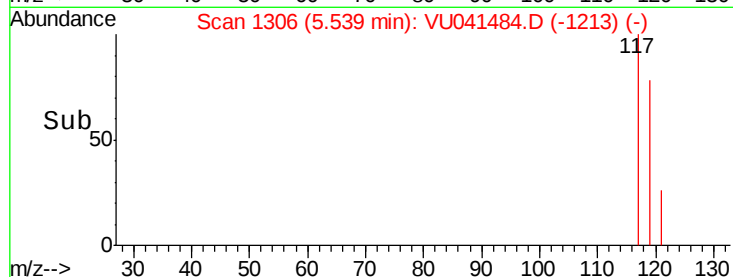
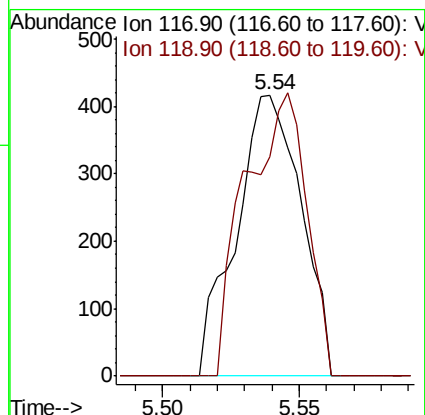
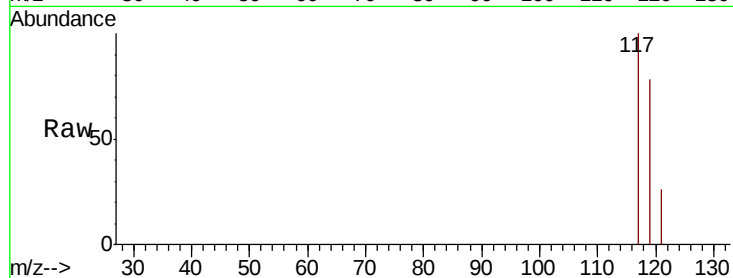




#31
Carbon tetrachloride
Concen: 0.101 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU041484.D
Acq: 07 Dec 2020 11:25

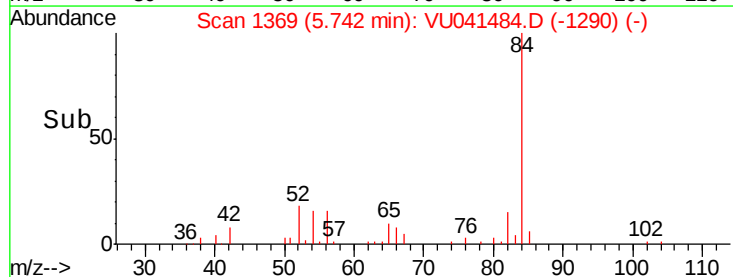
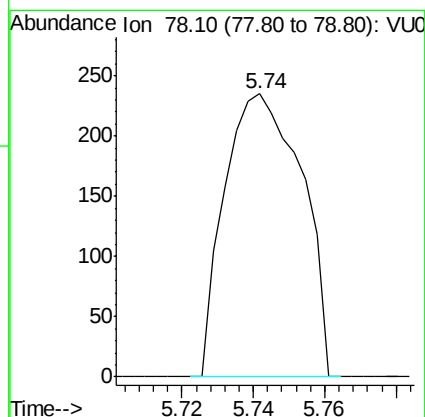
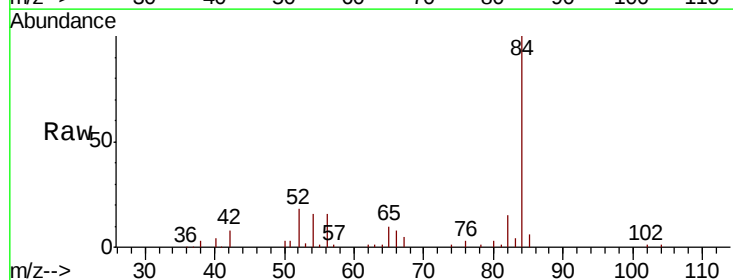
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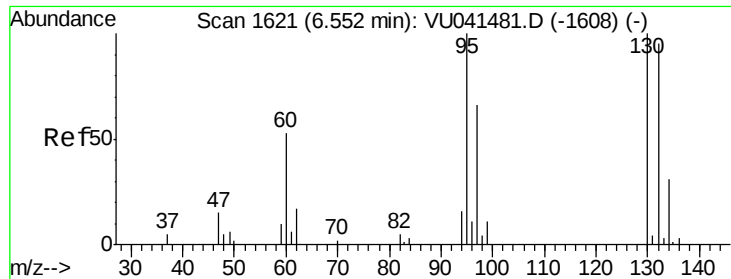
Tot Ion:117 Resp: 690
Ion Ratio Lower Upper
117 100
119 95.4 77.2 115.8



#33
Benzene
Concen: 0.027 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.05 min
Lab File: VU041484.D
Acq: 07 Dec 2020 11:25

Tgt Ion: 78 Resp: 350

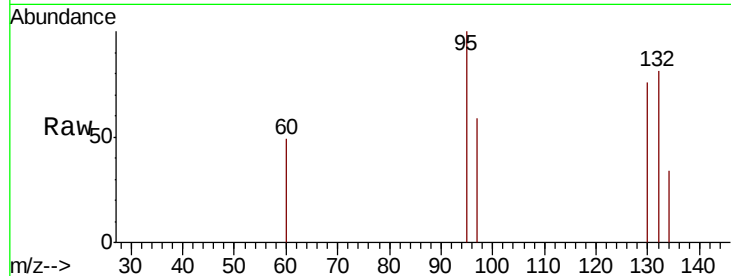




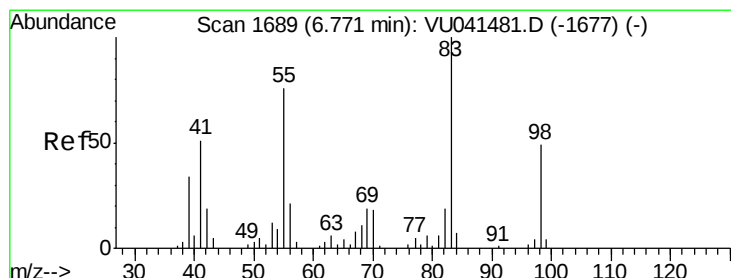
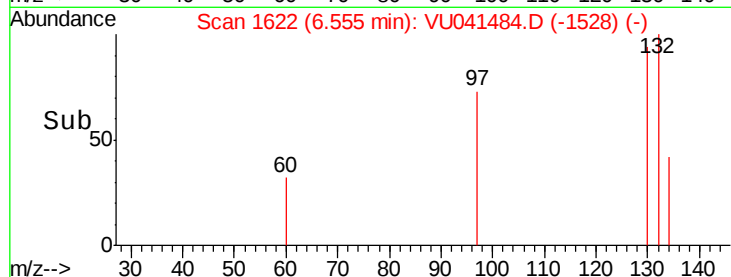
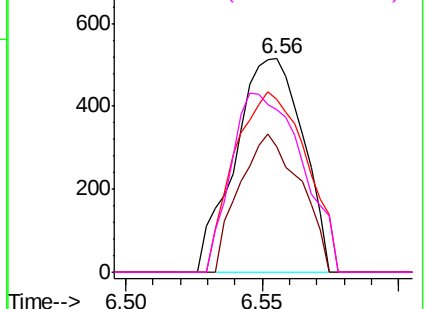
#34
 Trichloroethene
 Concen: 0.231 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041484.D
 Acq: 07 Dec 2020 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP8DL

Tot Ion: 95 Resp: 890
 Ion Ratio Lower Upper
 95 100
 97 58.6 44.7 83.1
 132 80.8 65.7 121.9
 130 76.3 68.8 127.8

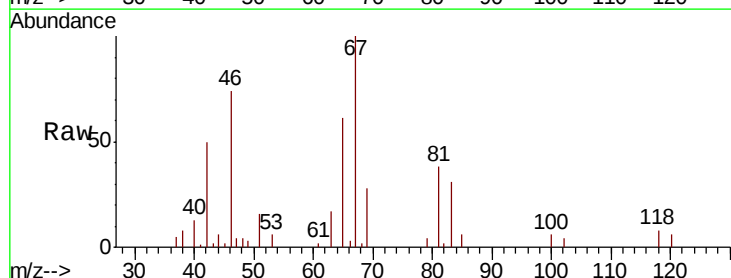


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

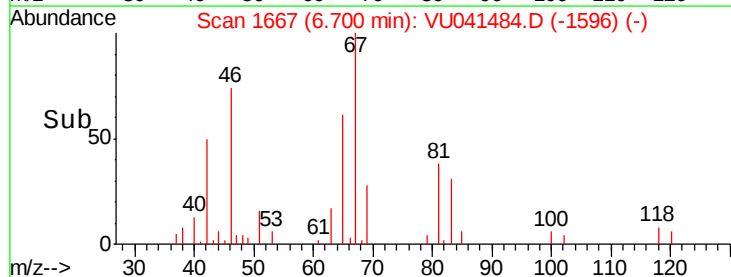
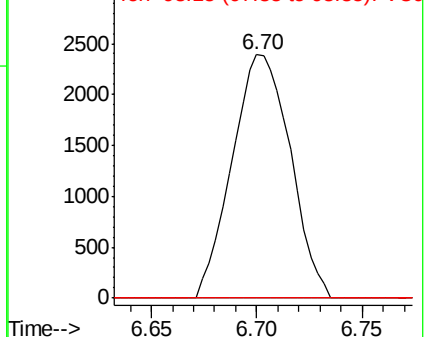


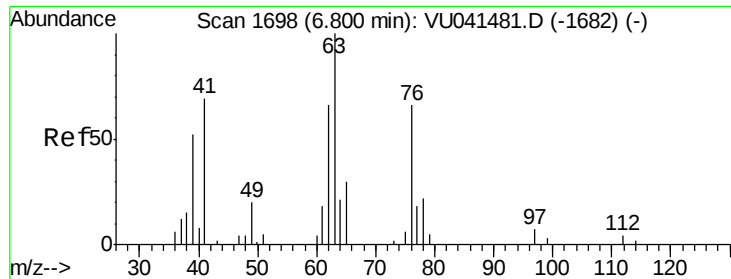
#35
 Methylcyclohexane
 Concen: 0.872 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041484.D
 Acq: 07 Dec 2020 11:25

Tgt Ion: 83 Resp: 4581
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.1 93.1#
 98 0.0 38.7 58.1#



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

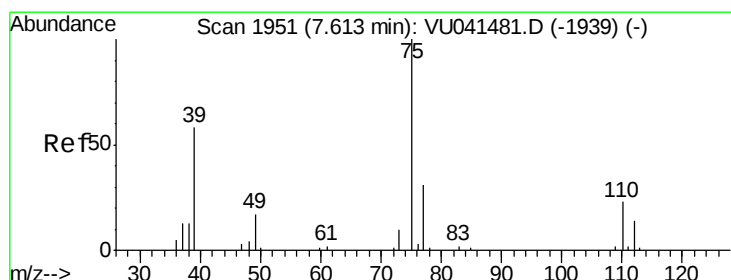
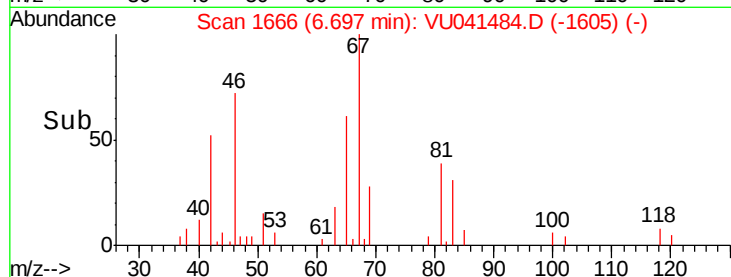
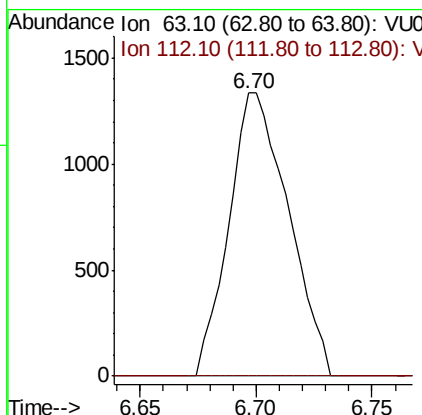
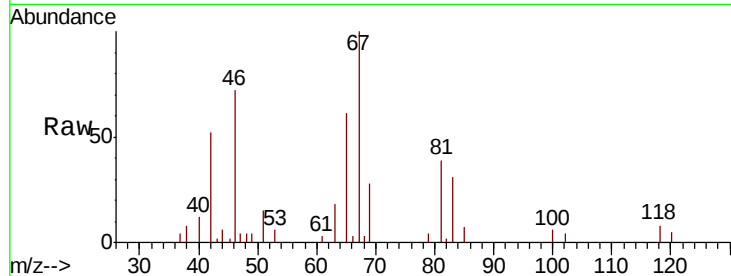




#37
 1,2-Dichloropropane
 Concen: 0.795 ug/L
 RT: 6.70 min Scan# 1666
 Delta R.T. -0.10 min
 Lab File: VU041484.D
 Acq: 07 Dec 2020 11:25

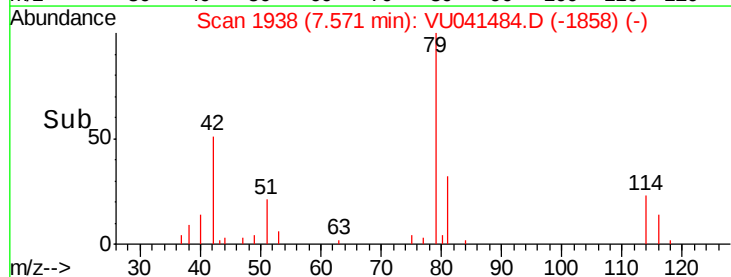
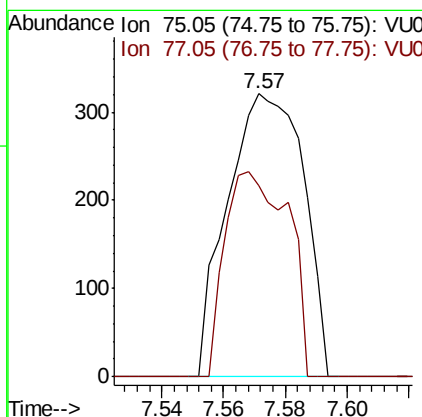
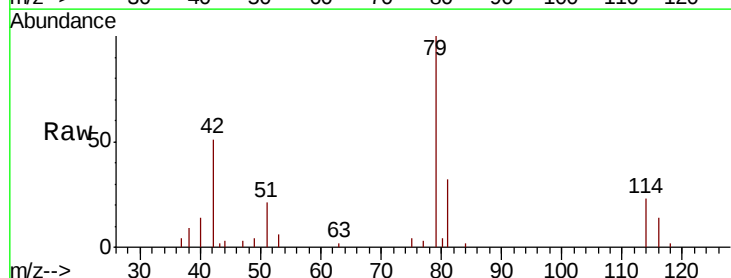
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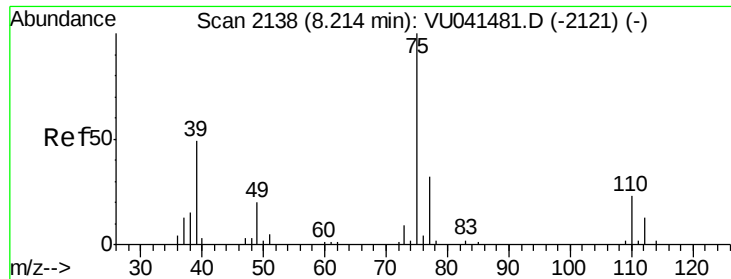
Tot Ion: 63 Resp: 2379
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.102 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041484.D
 Acq: 07 Dec 2020 11:25

Tgt Ion: 75 Resp: 550
 Ion Ratio Lower Upper
 75 100
 77 67.3 24.0 44.6#

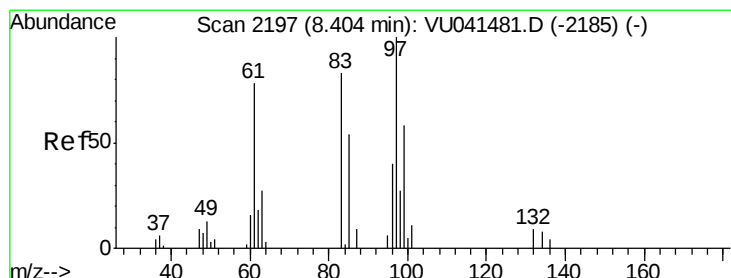
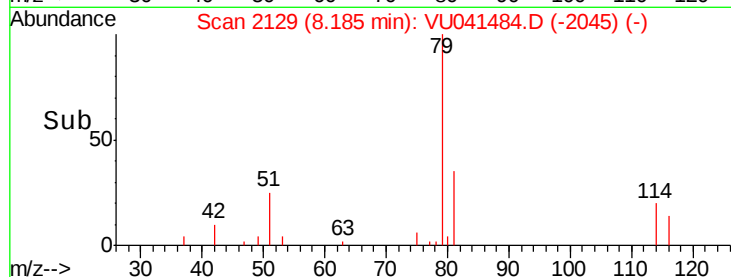
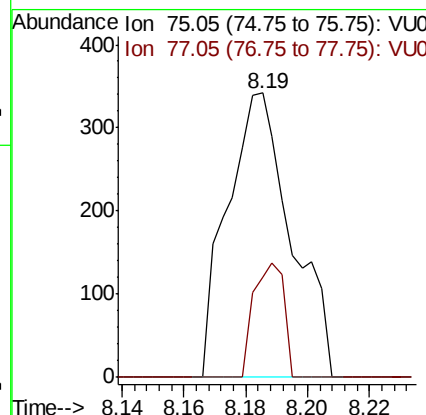
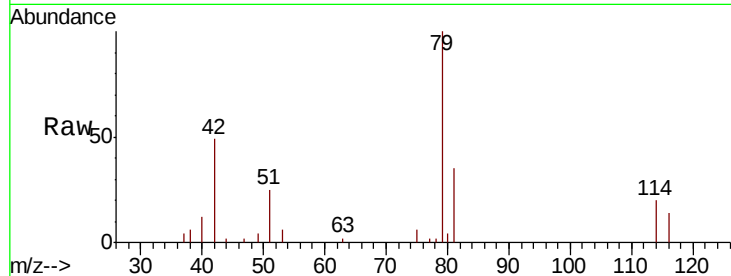




#44
trans-1,3-Dichloropropene
Concen: 0.091 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041484.D
Acq: 07 Dec 2020 11:25

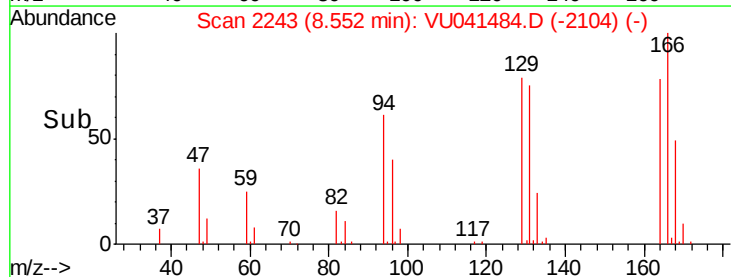
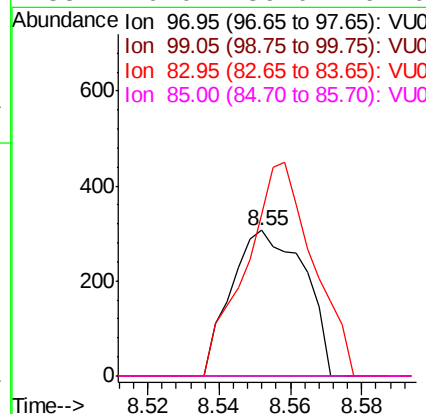
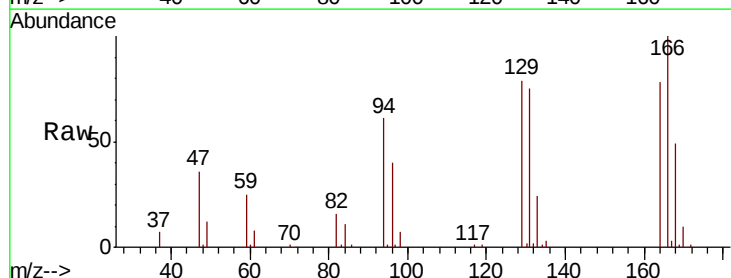
Instrument :
MSVOA_U
ClientSampleId :
C0AP8DL

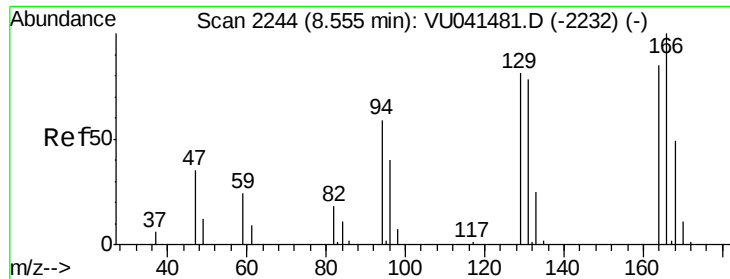
Tot Ion: 75 Resp: 491
Ion Ratio Lower Upper
75 100
77 34.8 22.7 42.3



#45
1,1,2-Trichloroethane
Concen: 0.150 ug/L
RT: 8.55 min Scan# 2243
Delta R.T. 0.15 min
Lab File: VU041484.D
Acq: 07 Dec 2020 11:25

Tgt Ion: 97 Resp: 433
Ion Ratio Lower Upper
97 100
99 0.0 40.7 75.7#
83 111.1 56.2 104.4#
85 0.0 36.0 67.0#

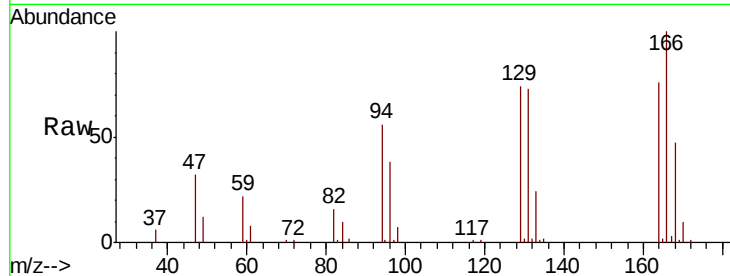




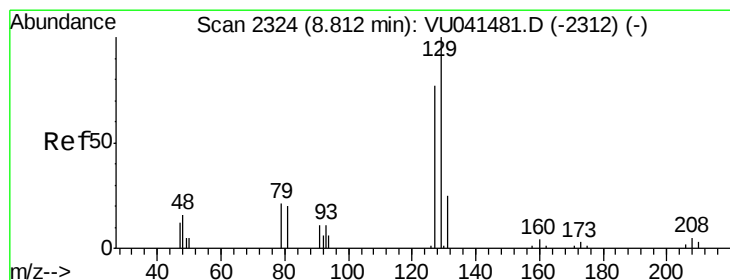
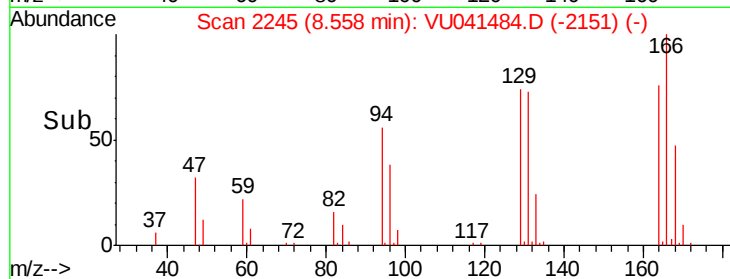
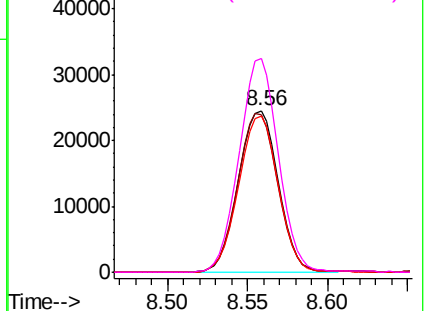
#47
Tetrachloroethene
Concen: 13.681 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041484.D
Acq: 07 Dec 2020 11:25

Instrument :
MSVOA_U
ClientSampleId :
C0AP8DL

Tot Ion:164 Resp: 41628
Ion Ratio Lower Upper
164 100
129 97.7 67.1 124.7
131 96.5 63.3 117.7
166 132.1 88.8 164.8

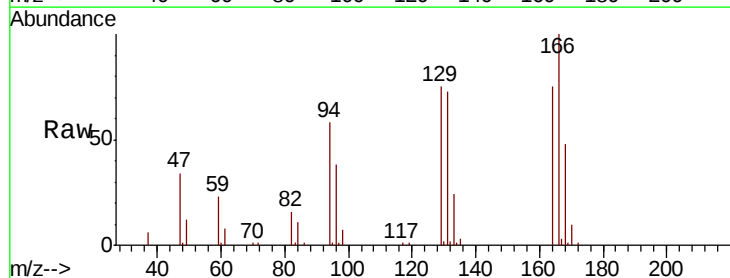


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

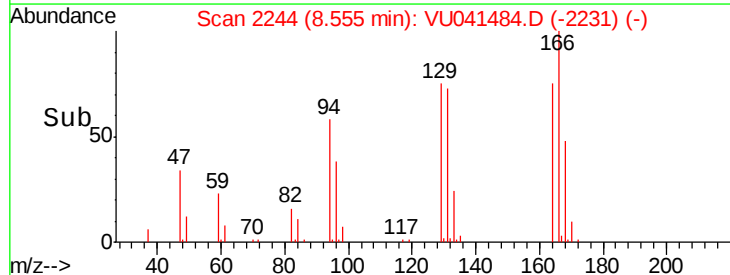
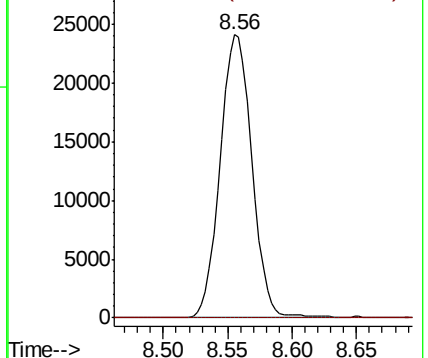


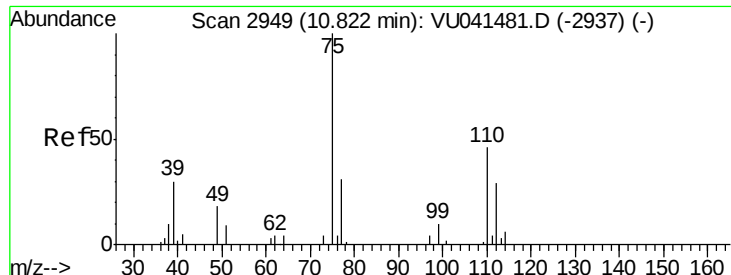
#49
Dibromochloromethane
Concen: 10.493 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041484.D
Acq: 07 Dec 2020 11:25

Tgt Ion:129 Resp: 41236
Ion Ratio Lower Upper
129 100
127 0.0 52.4 97.2#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.889 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041484.D

Acq: 07 Dec 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

C0AP8DL

Tot Ion: 75 Resp: 2580

Ion Ratio Lower Upper

75 100

77 44.1 26.3 39.5#

