

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041736.D
 Acq On : 22 Dec 2020 13:03
 Operator : SY/MD
 Sample : L5185-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4R9

Quant Time: Dec 23 04:07:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 04:05:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	135684	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	129861	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	58741	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33890	3.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.00%
7) Chloroethane-d5	1.92	69	39683	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.58	63	63951	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.65	46	163219	53.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.14%
24) Chloroform-d	5.08	84	88617	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	51966	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.74	84	170584	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.70	67	56077	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.91	98	140500	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	8.19	79	21620	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.64	63	145461	50.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55347	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	55761	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	625	0.056 ug/L	98
8) Chloroethane	1.93	64	258	0.031 ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	466	0.050 ug/L #	22
13) Acetone	2.66	43	2705	1.396 ug/L	97
16) Methylene chloride	3.06	84	1546	0.141 ug/L	89
33) Benzene	5.80	78	1773	0.043 ug/L	100
35) Methylcyclohexane	6.70	83	13035	0.773 ug/L #	21
37) 1,2-Dichloropropane	6.70	63	5777	0.544 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1263	0.080 ug/L	88
42) Toluene	7.98	91	18594	0.434 ug/L	96
44) trans-1,3-Dichloropropene	8.19	75	1017	0.072 ug/L #	72
47) Tetrachloroethene	8.55	164	673	0.092 ug/L #	71
48) 2-Hexanone	8.64	43	14701	2.672 ug/L #	68
49) Dibromochloromethane	8.56	129	859	0.095 ug/L #	10
52) Ethylbenzene	9.57	91	2735	0.060 ug/L	98
53) m,p-Xylene	9.69	106	3416	0.201 ug/L	90
54) o-Xylene	10.10	106	1726	0.103 ug/L	72

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 23 04:05:15 2020
Response via : Initial Calibration

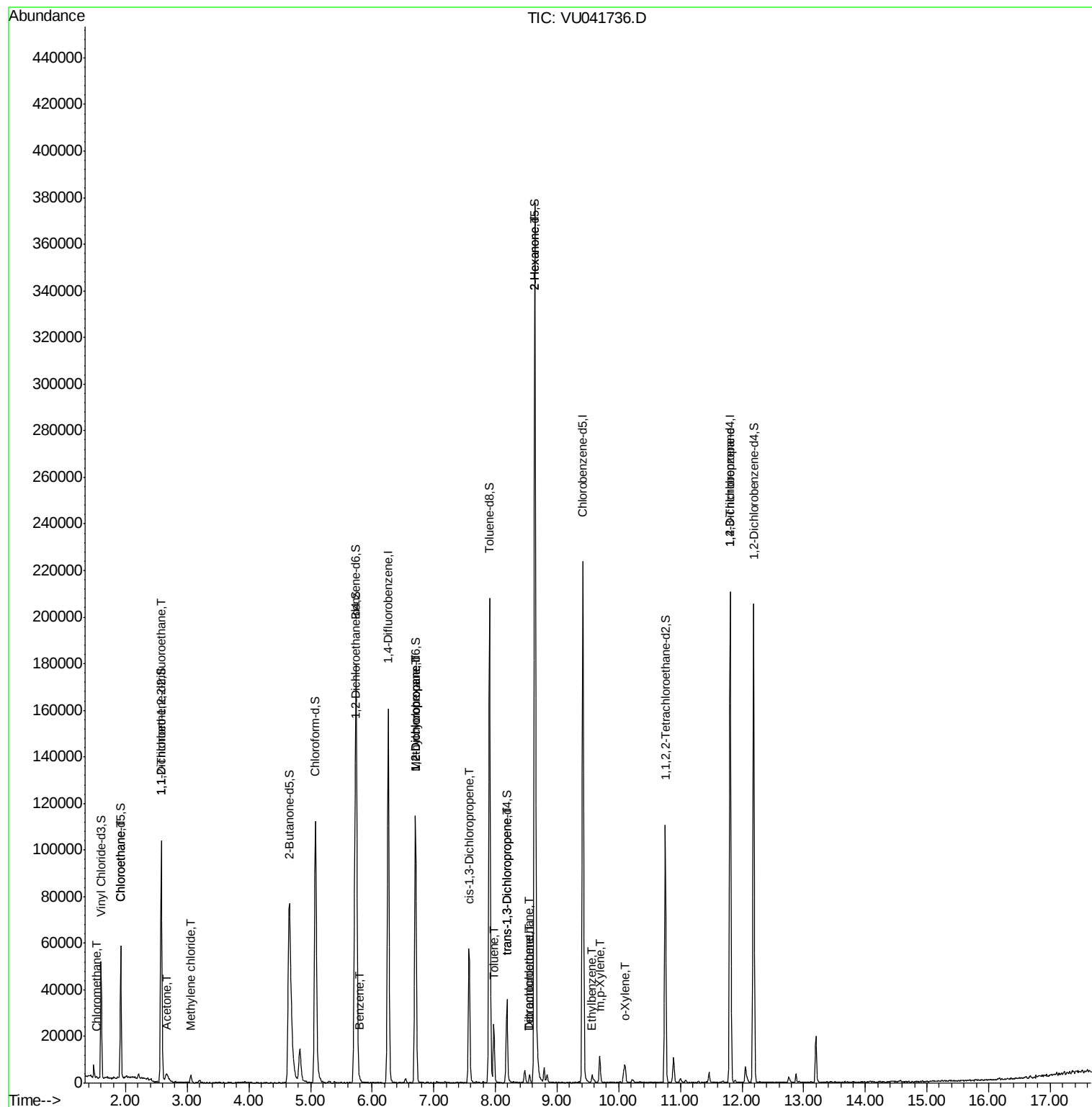
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	6516	0.817	ug/L	100

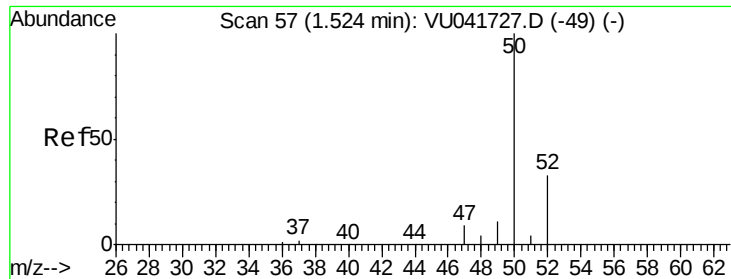
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122220\
Data File : VU041736.D
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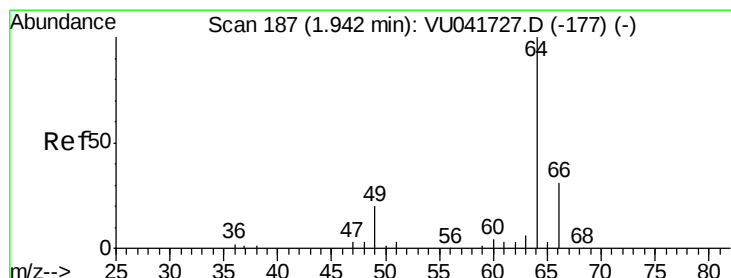
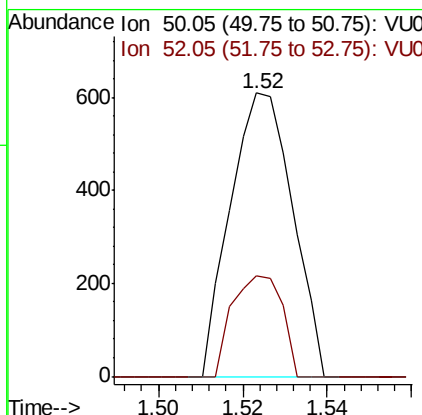
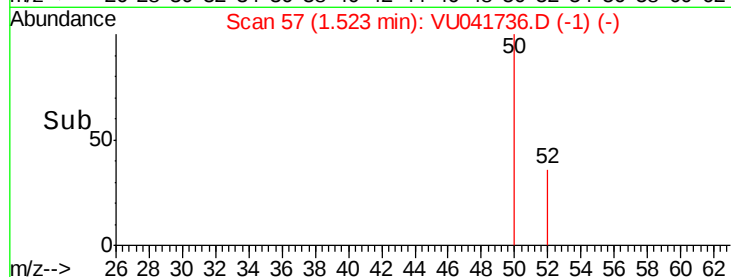
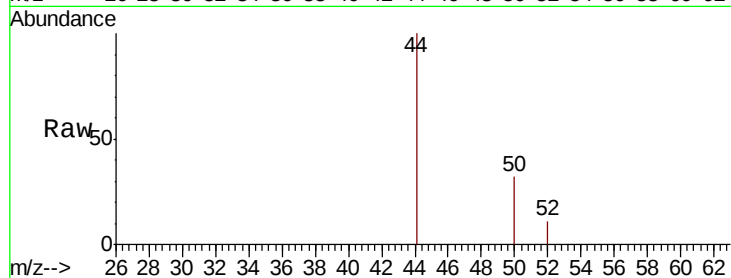




#3
 Chloromethane
 Concen: 0.056 ug/L
 RT: 1.52 min Scan# 57
 Delta R.T. -0.00 min
 Lab File: VU041736.D
 Acq: 22 Dec 2020 13:03

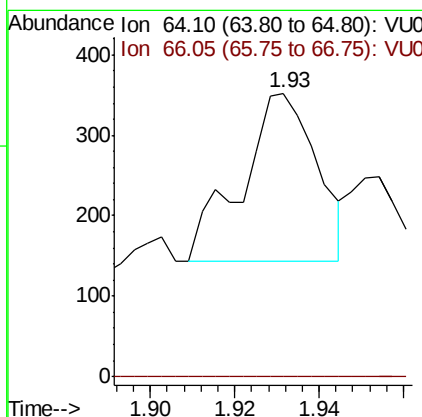
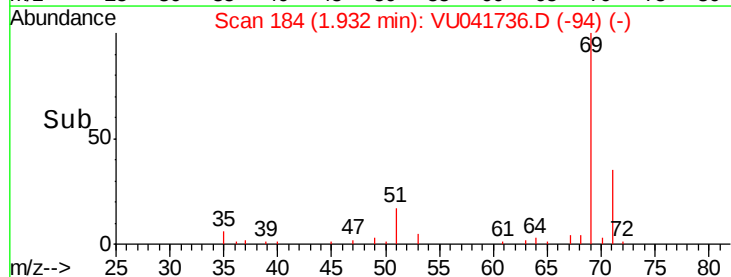
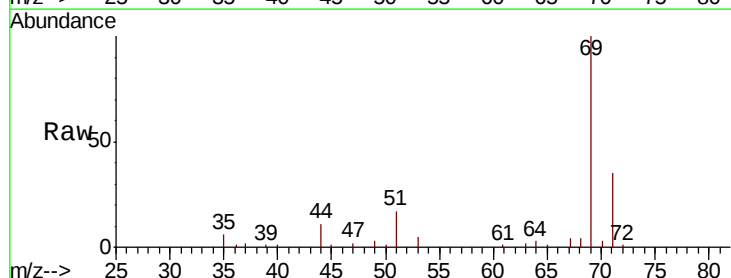
Instrument :
 MSVOA_U
 ClientSampleId :
 BG4R9

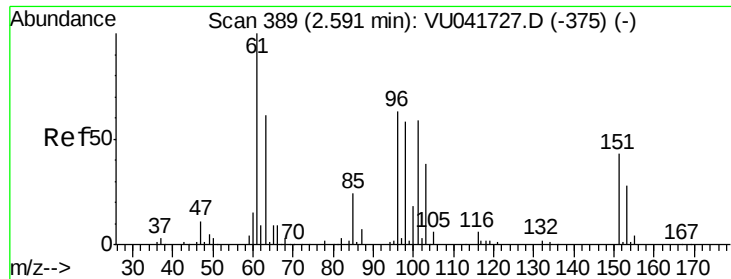
Tot Ion: 50 Resp: 625
 Ion Ratio Lower Upper
 50 100
 52 35.6 24.1 44.8



#8
 Chloroethane
 Concen: 0.031 ug/L
 RT: 1.93 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VU041736.D
 Acq: 22 Dec 2020 13:03

Tgt Ion: 64 Resp: 258
 Ion Ratio Lower Upper
 64 100
 66 0.0 21.6 40.0#





#10

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

Concen: 0.050 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041736.D

Acq: 22 Dec 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

BG4R9

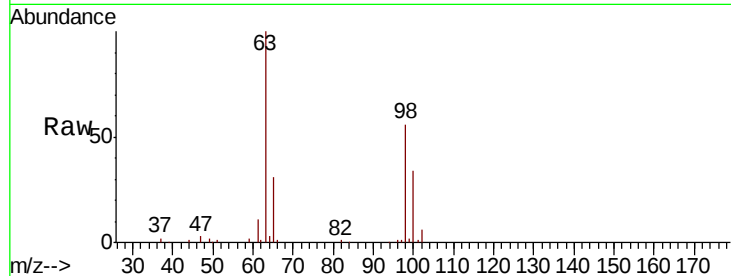
Tot Ion:101 Resp: 466

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

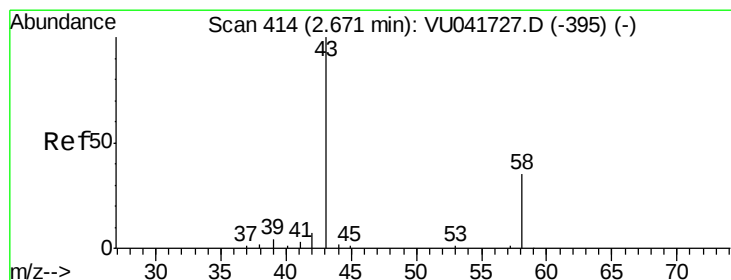
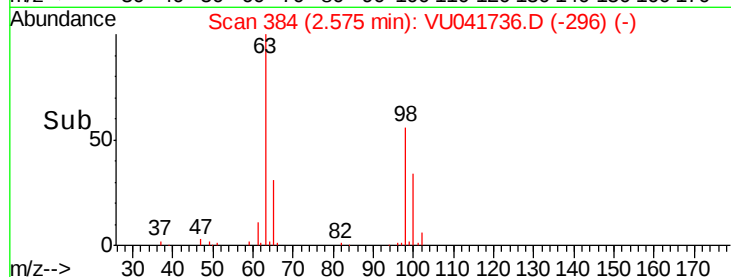
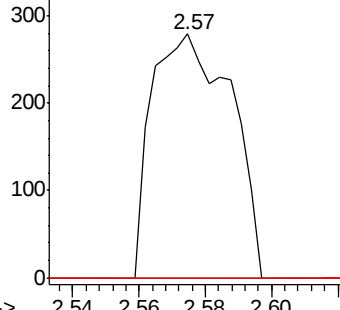
151 0.0 56.2 84.4#



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



#13

Acetone

Concen: 1.396 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU041736.D

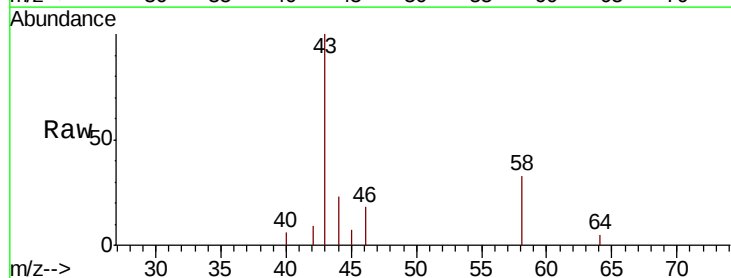
Acq: 22 Dec 2020 13:03

Tgt Ion: 43 Resp: 2705

Ion Ratio Lower Upper

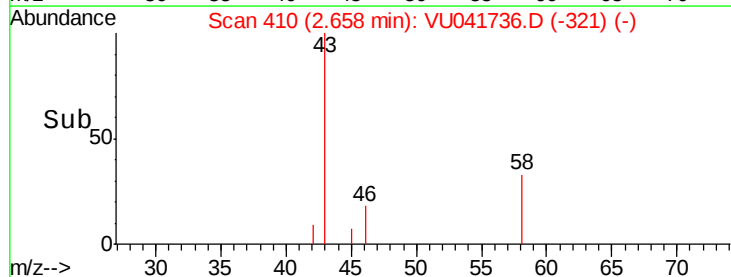
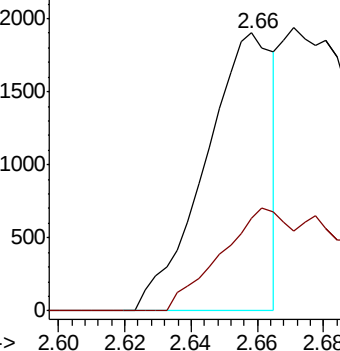
43 100

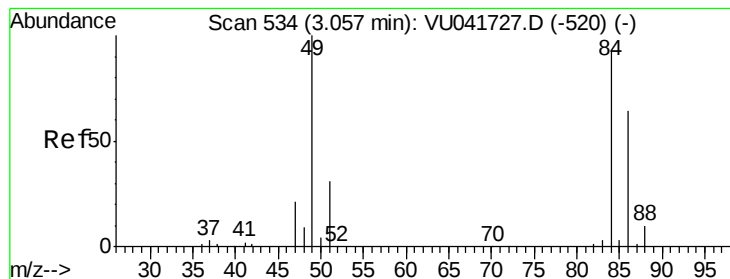
58 38.2 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#16

Methvlene chloride

Concen: 0.141 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041736.D

Acq: 22 Dec 2020 13:03

Instrument :

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ClientSampleId :

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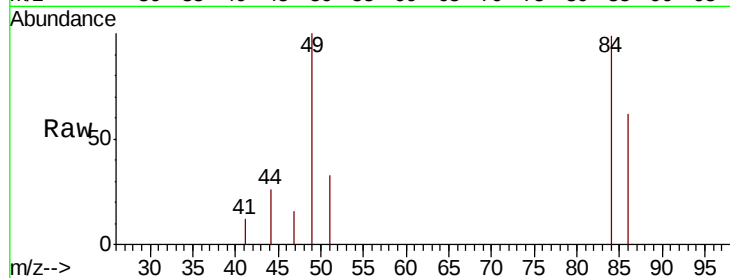
Tot Ion: 84 Resp: 1546

Ion Ratio Lower Upper

84 100

86 62.3 45.1 83.7

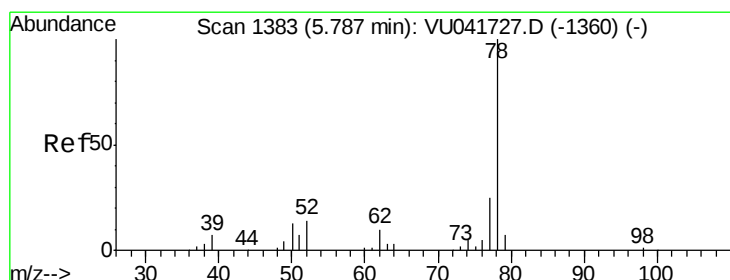
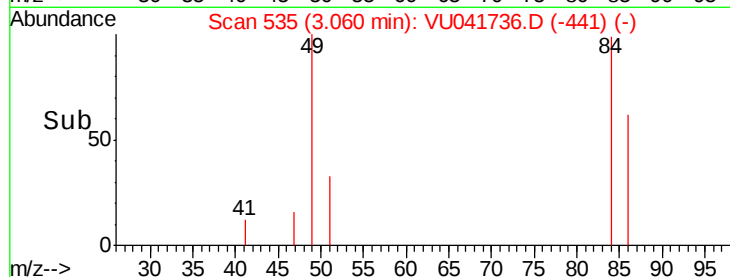
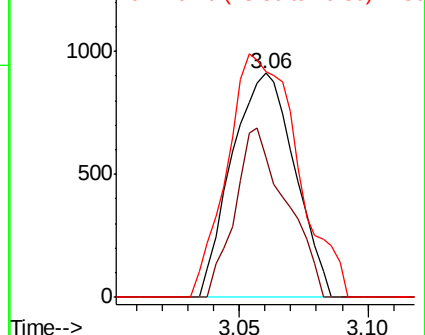
49 100.9 83.1 154.3



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



#33

Benzene

Concen: 0.043 ug/L

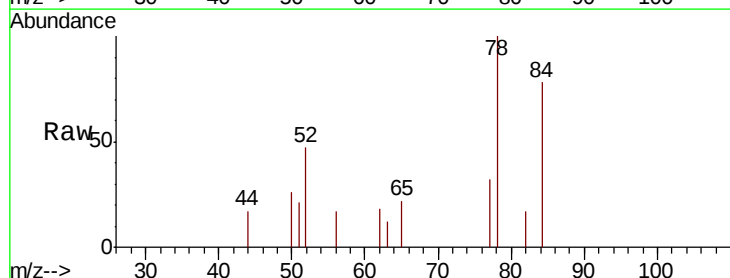
RT: 5.80 min Scan# 1386

Delta R.T. 0.01 min

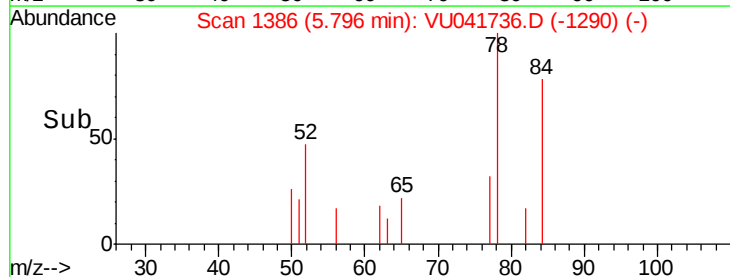
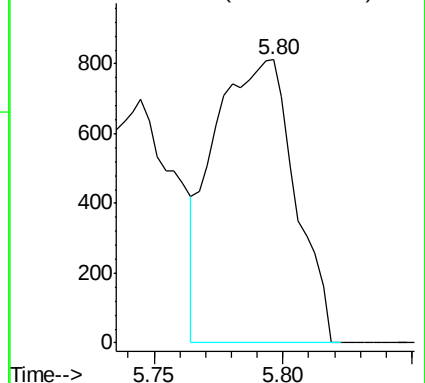
Lab File: VU041736.D

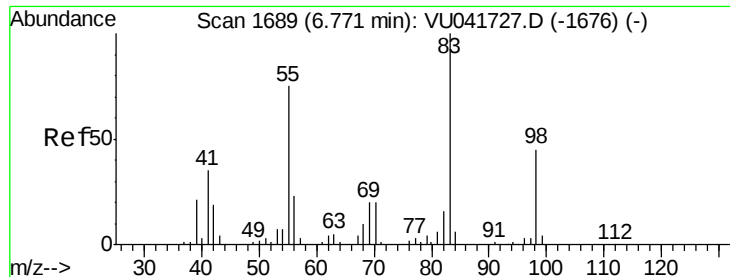
Acq: 22 Dec 2020 13:03

Tgt Ion: 78 Resp: 1773



Abundance Ion 78.10 (77.80 to 78.80): VU0

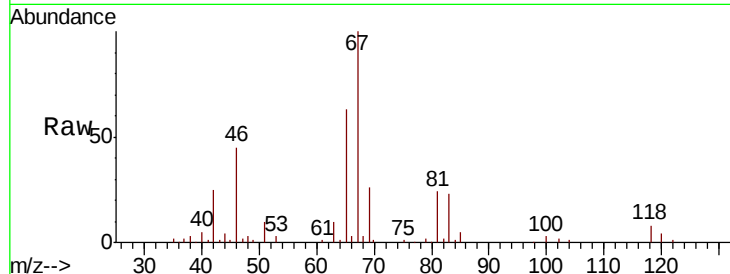




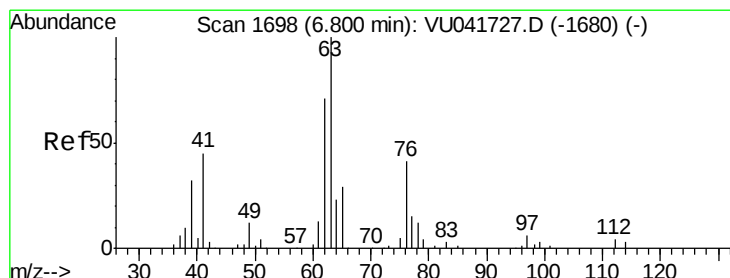
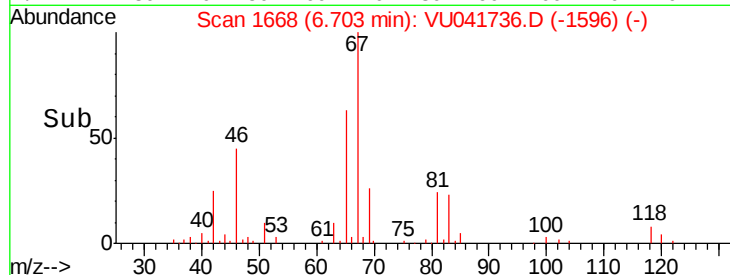
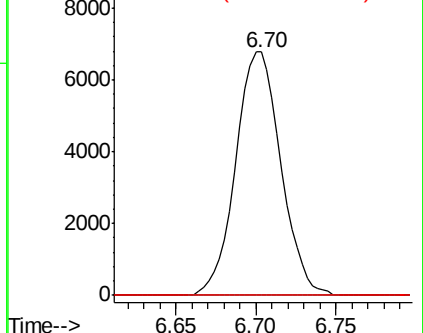
#35
Methvlcvclohexane
Concen: 0.773 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041736.D
Acq: 22 Dec 2020 13:03

Instrument :
MSVOA_U
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Tot Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.2	91.8#
98	3.8	36.6	54.8#

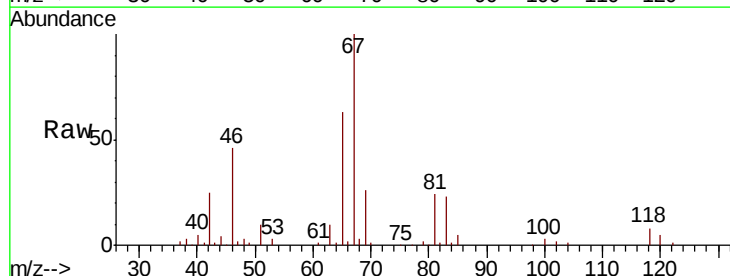


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

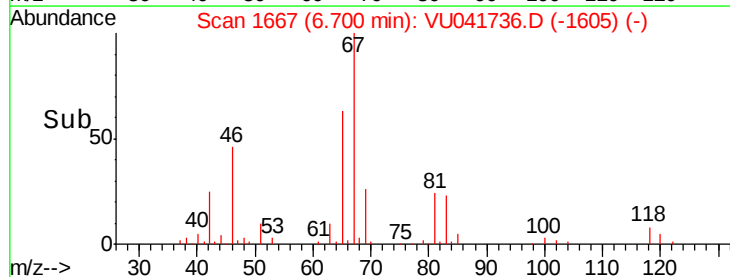
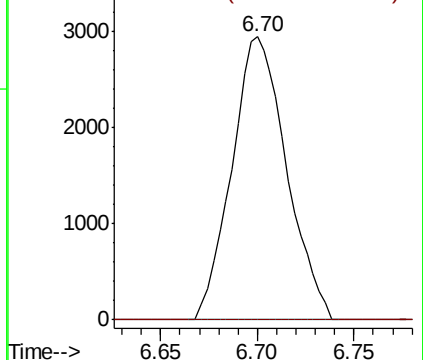


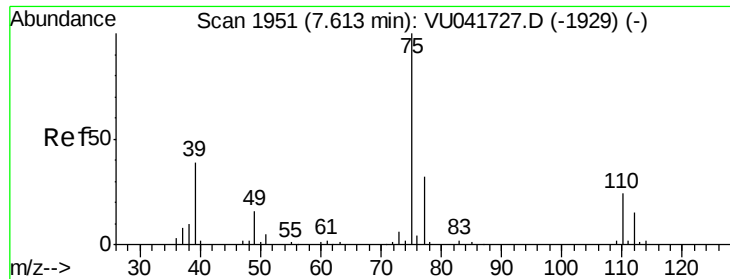
#37
1,2-Dichloropropane
Concen: 0.544 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041736.D
Acq: 22 Dec 2020 13:03

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.1	4.7#



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

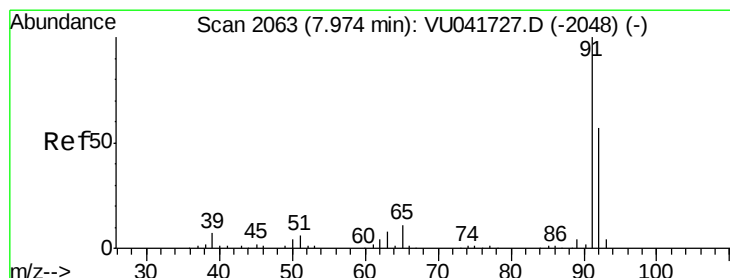
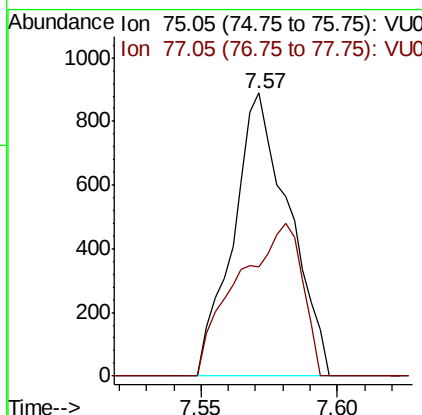
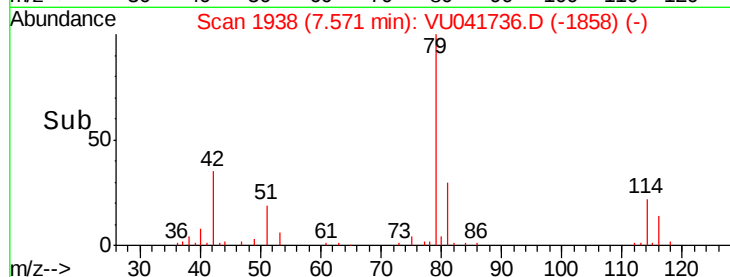
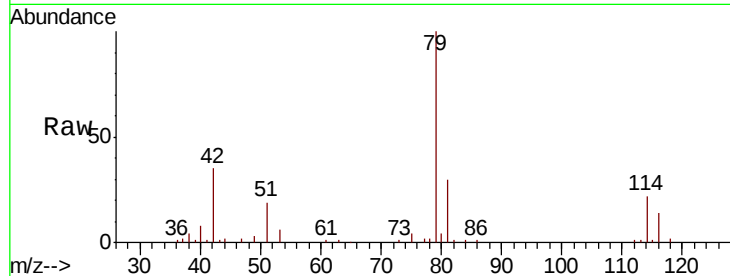




#39
 cis-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041736.D
 Acq: 22 Dec 2020 13:03

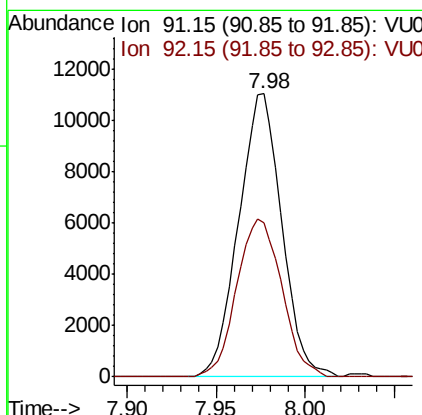
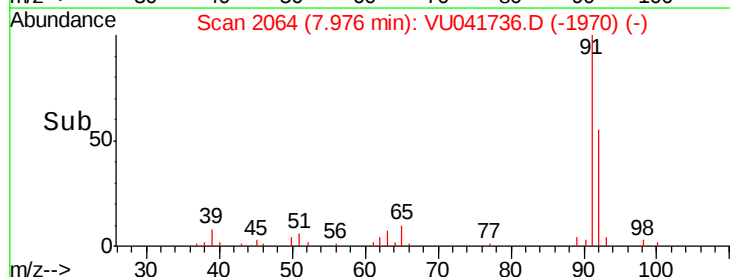
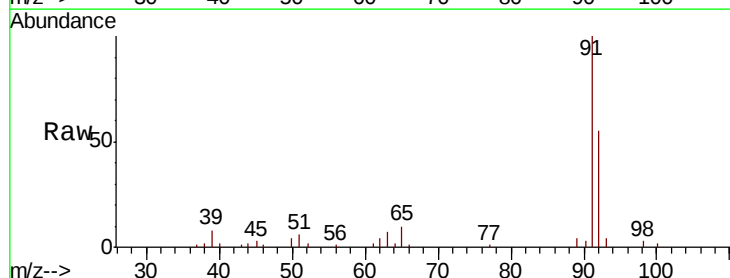
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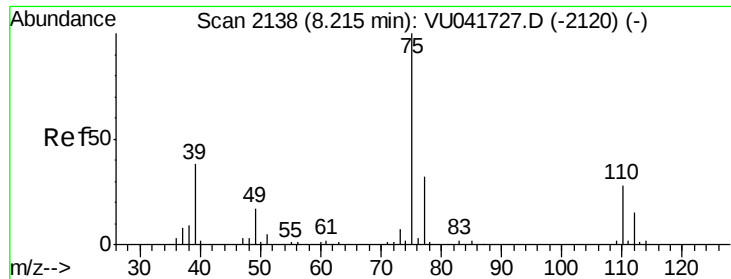
Tot Ion: 75 Resp: 1263
 Ion Ratio Lower Upper
 75 100
 77 38.7 22.3 41.3



#42
 Toluene
 Concen: 0.434 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU041736.D
 Acq: 22 Dec 2020 13:03

Tgt Ion: 91 Resp: 18594
 Ion Ratio Lower Upper
 91 100
 92 54.5 40.0 74.2

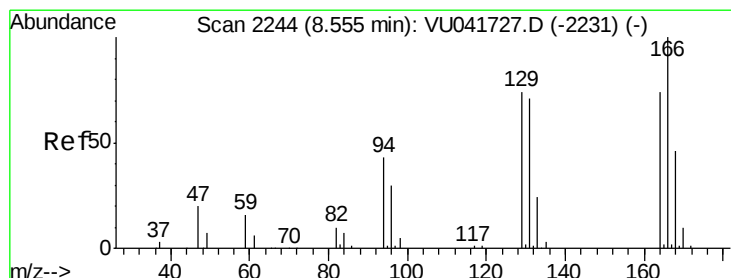
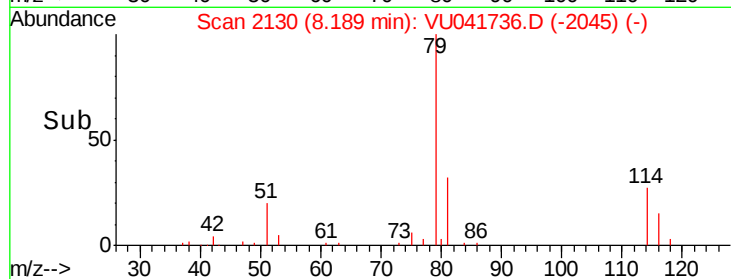
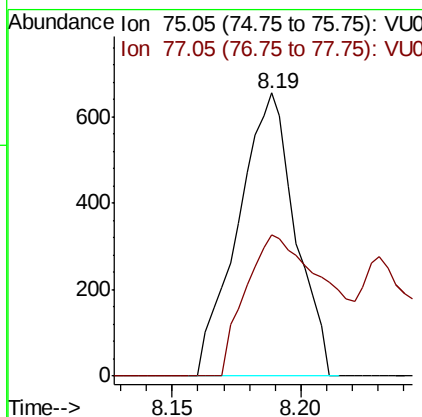
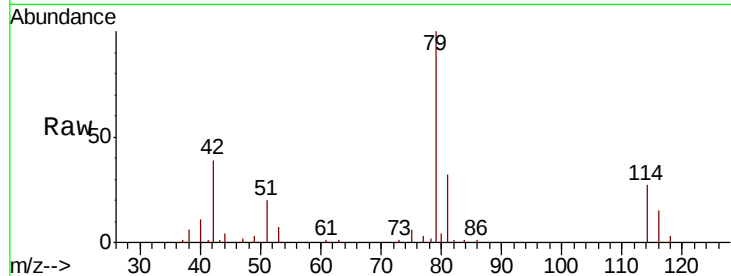




#44
trans-1,3-Dichloropropene
Concen: 0.072 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041736.D
Acq: 22 Dec 2020 13:03

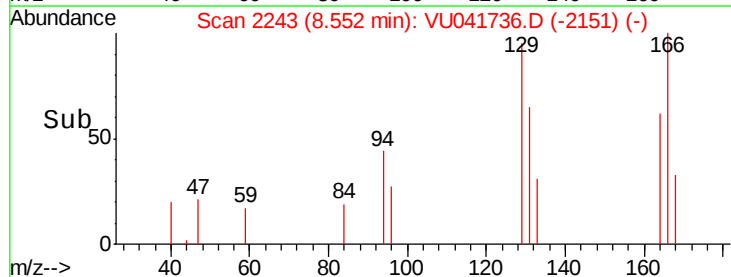
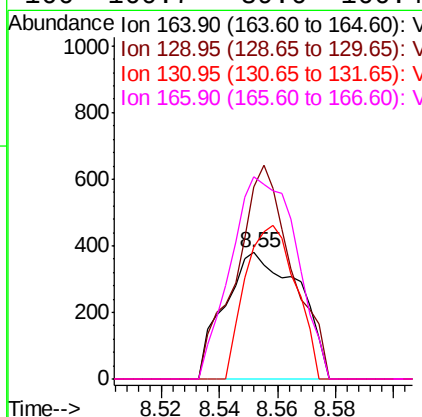
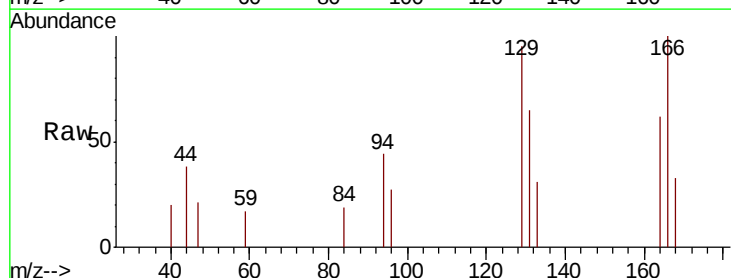
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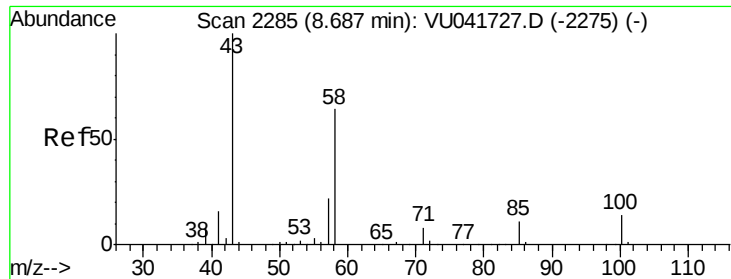
Tot Ion: 75 Resp: 1017
Ion Ratio Lower Upper
75 100
77 49.9 23.8 44.2#



#47
Tetrachloroethene
Concen: 0.092 ug/L
RT: 8.55 min Scan# 2243
Delta R.T. -0.00 min
Lab File: VU041736.D
Acq: 22 Dec 2020 13:03

Tgt Ion:164 Resp: 673
Ion Ratio Lower Upper
164 100
129 152.5 72.2 134.0#
131 104.7 66.9 124.3
166 160.7 89.6 166.4

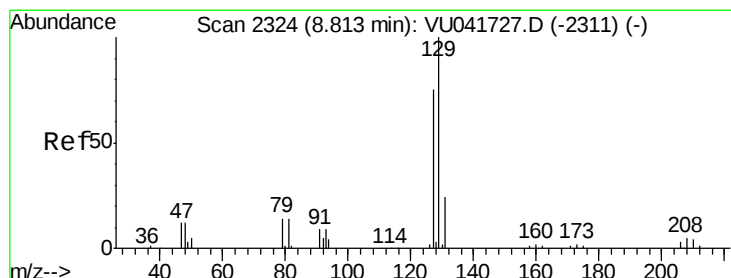
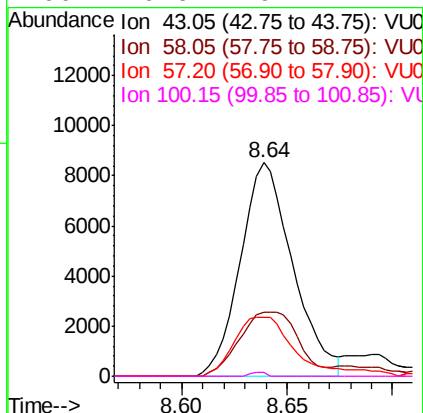
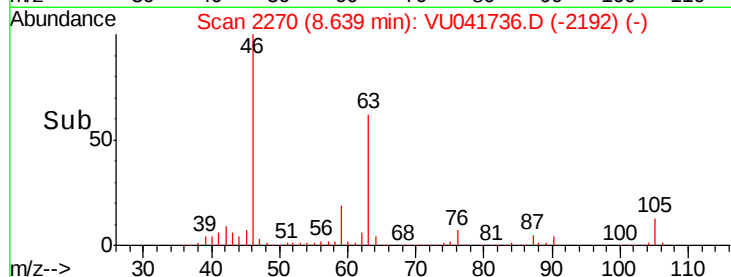
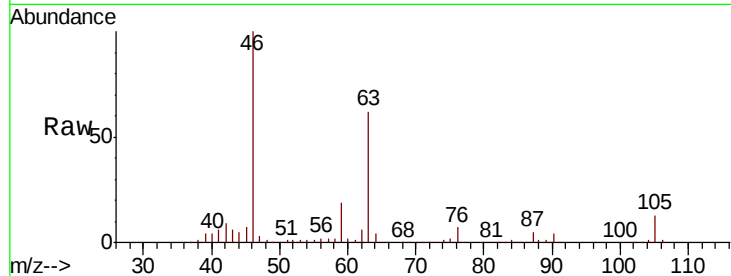




#48
2-Hexanone
Concen: 2.672 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041736.D
Acq: 22 Dec 2020 13:03

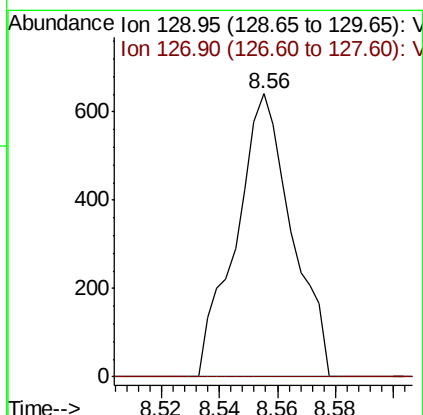
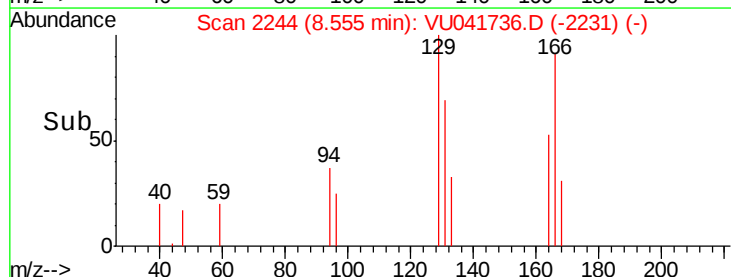
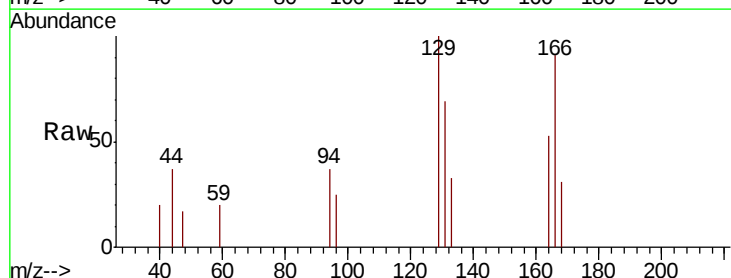
Instrument :
MSVOA_U
ClientSampleId :
BG4R9

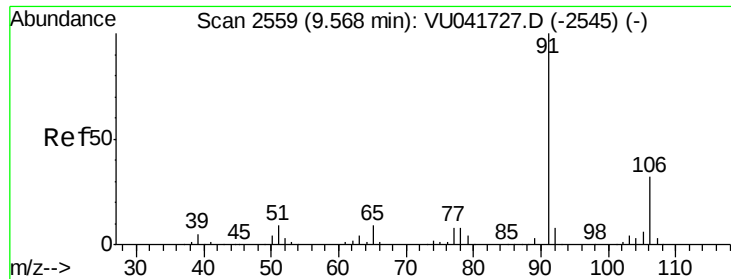
Tot Ion:	43	Resp:	14701
Ion	Ratio	Lower	Upper
43	100		
58	33.5	47.9	71.9#
57	32.9	16.5	24.7#
100	0.6	9.4	14.2#



#49
Dibromochloromethane
Concen: 0.095 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041736.D
Acq: 22 Dec 2020 13:03

Tgt Ion:	129	Resp:	859
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#





#52

Ethylbenzene

Concen: 0.060 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041736.D

Acq: 22 Dec 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

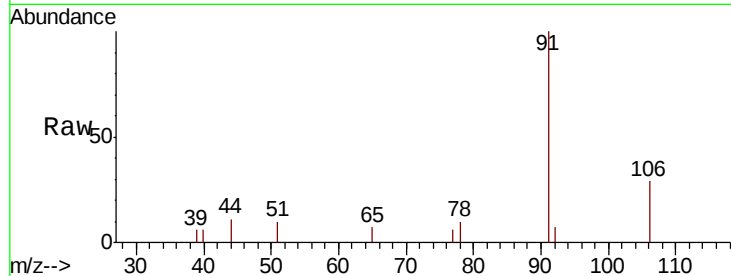
BG4R9

Tot Ion: 91 Resp: 2735

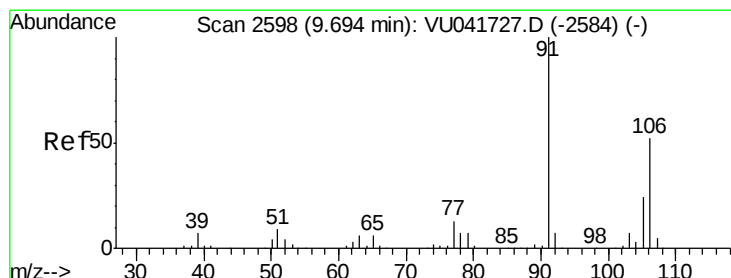
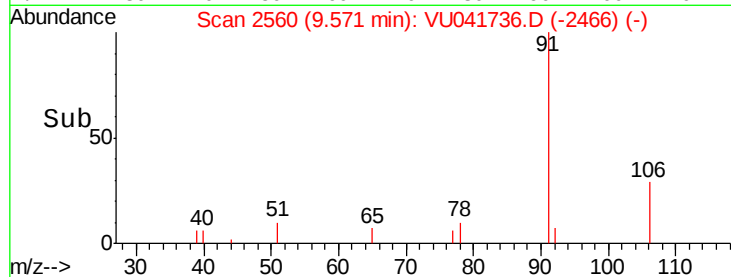
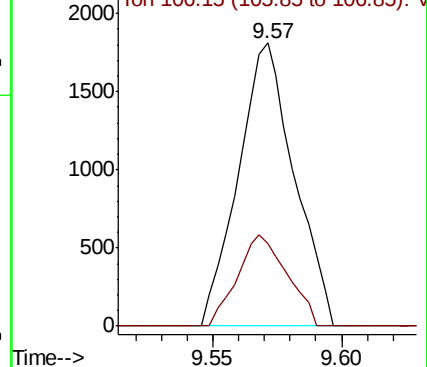
Ion Ratio Lower Upper

91 100

106 29.1 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041727.D (-2545) (-)



#53

m,p-Xylene

Concen: 0.201 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041736.D

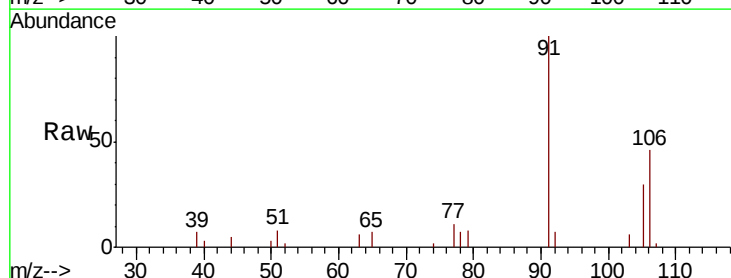
Acq: 22 Dec 2020 13:03

Tgt Ion: 106 Resp: 3416

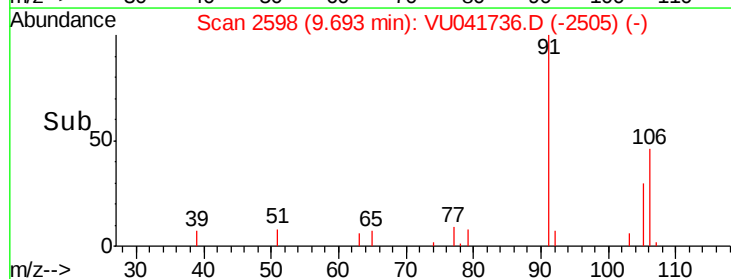
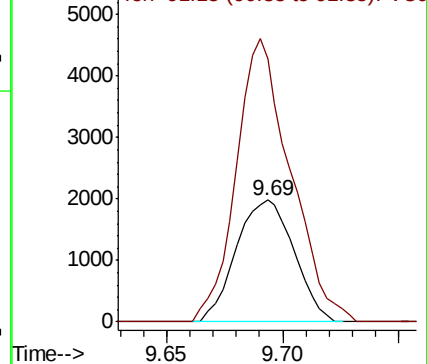
Ion Ratio Lower Upper

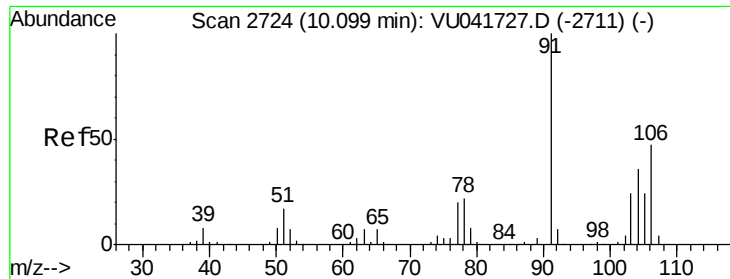
106 100

91 216.2 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041727.D (-2584) (-)





#54

o-Xylene

Concen: 0.103 ug/L

RT: 10.10 min Scan# 2723

Delta R.T. -0.00 min

Lab File: VU041736.D

Acq: 22 Dec 2020 13:03

Instrument :

MSVOA_U

ClientSampled :

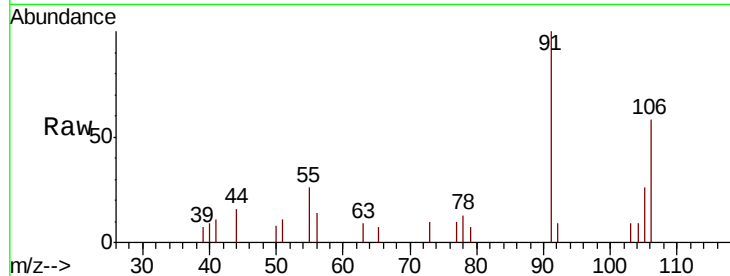
BG4R9

Tot Ion:106 Resp: 1726

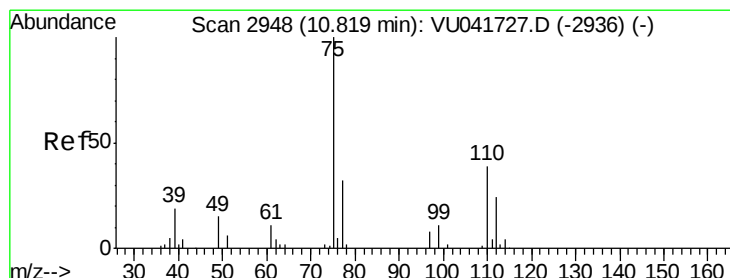
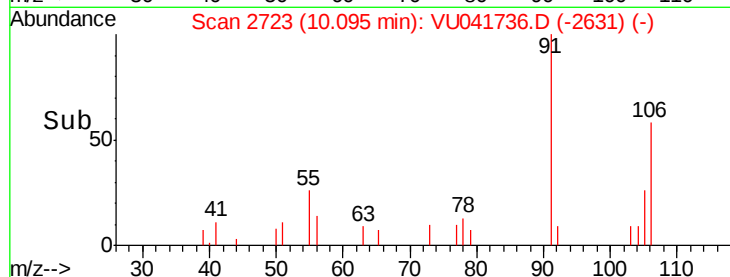
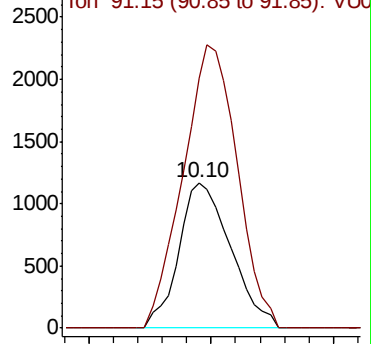
Ion Ratio Lower Upper

106 100

91 172.0 151.3 281.1



Abundance Ion 106.15 (105.85 to 106.85): VU041736.D (-2631) (-)



#59

1,2,3-Trichloropropane

Concen: 0.817 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041736.D

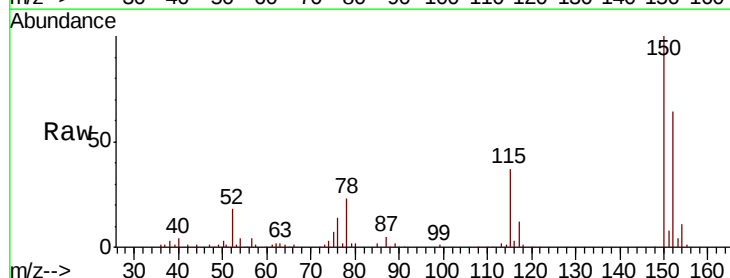
Acq: 22 Dec 2020 13:03

Tgt Ion: 75 Resp: 6516

Ion Ratio Lower Upper

75 100

77 33.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU041736.D (-2326) (-)

