

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
 Data File : VU041191.D
 Acq On : 10 Nov 2020 20:43
 Operator : SY/MD
 Sample : L4646-14DL 100X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T8DL

Quant Time: Nov 11 00:54:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 11 00:43:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	68953	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54934	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26750	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	13817	2.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	47.60%
7) Chloroethane-d5	1.92	69	15435	3.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.40%
11) 1,1-Dichloroethene-d2	2.58	63	26628	2.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	46.80%#
20) 2-Butanone-d5	4.65	46	103534	54.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.54%
24) Chloroform-d	5.08	84	45573	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.72	65	28680	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	5.74	84	78770	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
36) 1,2-Dichloropropane-d6	6.70	67	28665	5.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	119.80%
41) Toluene-d8	7.91	98	62387	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	8.19	79	10143	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.64	63	65037	58.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22653	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	25495	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

					Ovalue
15) Methyl Acetate	3.06	43	12953	4.340 ug/L #	53
16) Methylene chloride	3.06	84	1511	0.266 ug/L #	67
22) cis-1,2-Dichloroethene	4.69	96	1679	0.329 ug/L	97
25) Chloroform	5.11	83	1304	0.131 ug/L	94
27) 1,2-Dichloroethane	5.80	62	10658	1.442 ug/L #	74
30) Cyclohexane	5.40	56	13424	2.028 ug/L	98
33) Benzene	5.79	78	724710	44.151 ug/L	100
35) Methylcyclohexane	6.77	83	2407	0.386 ug/L #	81
37) 1,2-Dichloropropane	6.70	63	3318	0.747 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	748	0.122 ug/L	83
42) Toluene	7.98	91	5696	0.342 ug/L	99
44) trans-1,3-Dichloropropene	8.19	75	520	0.091 ug/L #	73
48) 2-Hexanone	8.64	43	9325	3.497 ug/L #	67
52) Ethylbenzene	9.57	91	8296	0.474 ug/L	100
53) m,p-Xylene	9.70	106	32615	5.104 ug/L	92
54) o-Xylene	10.10	106	585	0.098 ug/L	96
56) Isopropylbenzene	10.48	105	5797	0.362 ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 11 00:43:53 2020
Response via : Initial Calibration

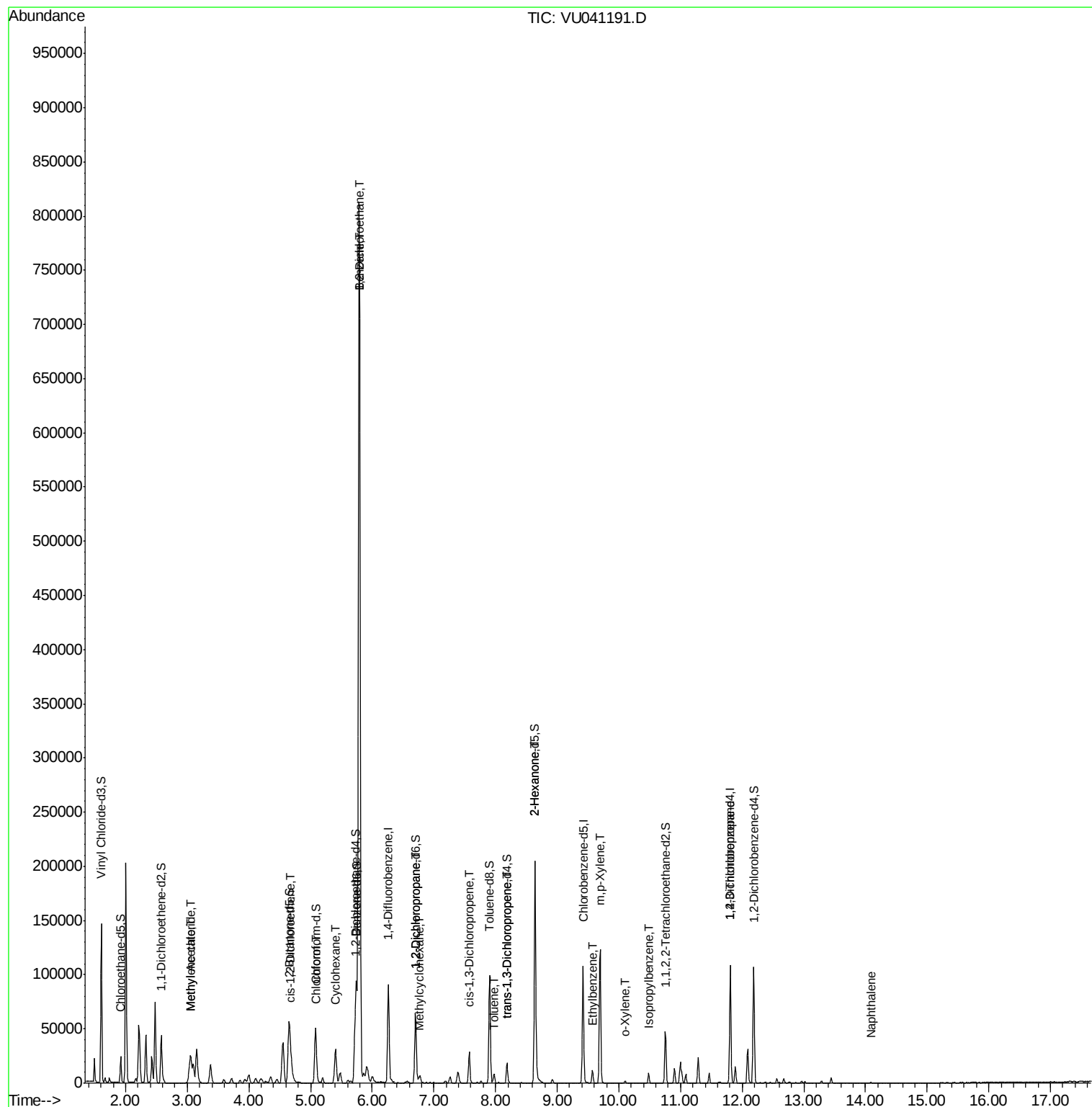
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	3686	1.114	ug/L #	88
69) Naphthalene	14.08	128	427	0.053	ug/L #	69

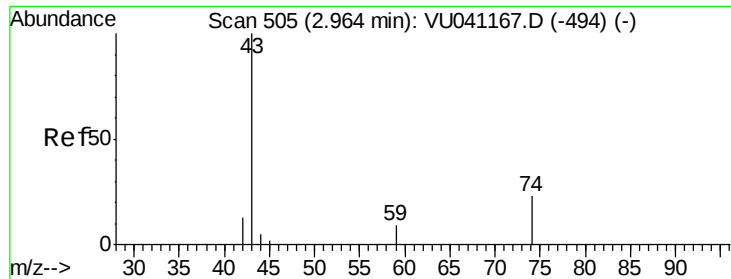
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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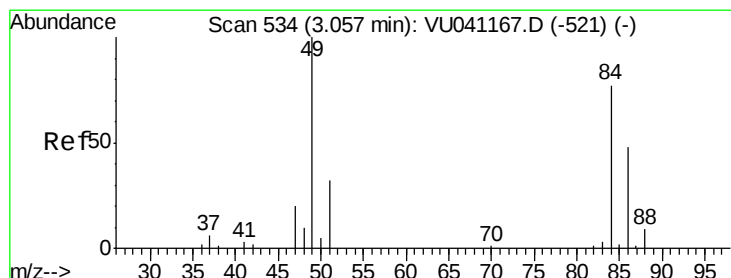
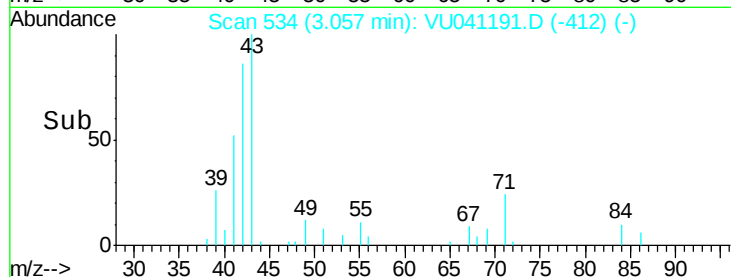
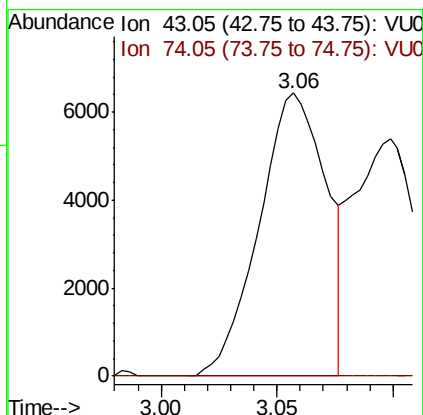
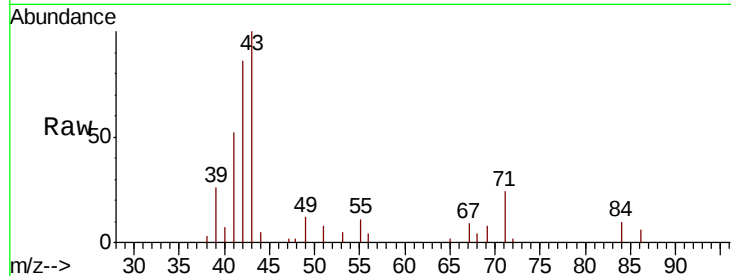




#15
Methyl Acetate
Concen: 4.340 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.09 min
Lab File: VU041191.D
Acq: 10 Nov 2020 20:43

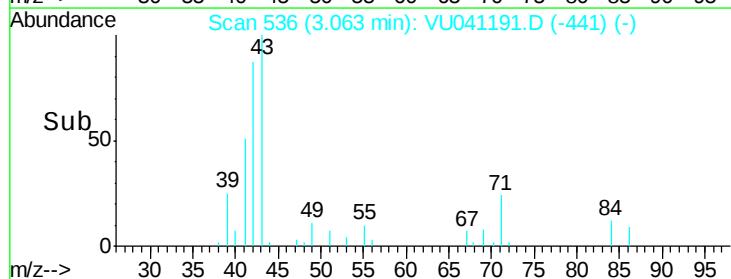
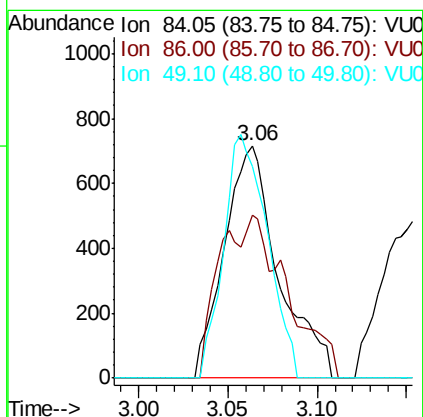
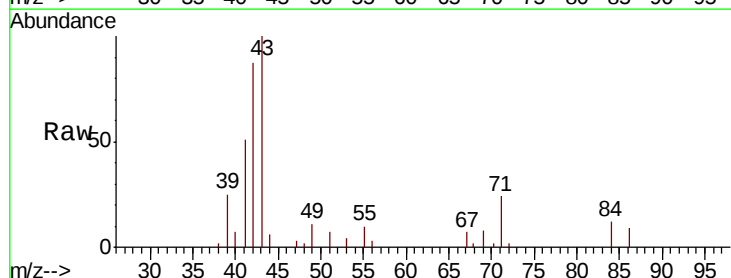
Instrument :
MSVOA_U
ClientSampled :
GB0T8DL

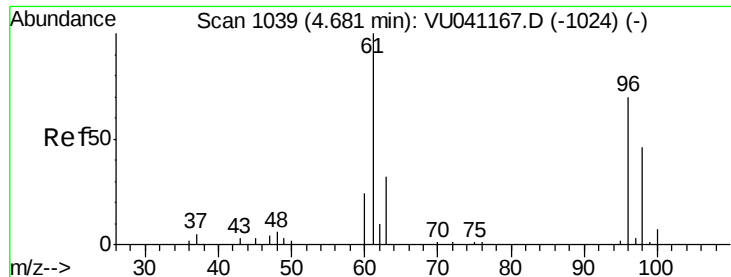
Tot Ion: 43 Resp: 12953
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#16
Methylene chloride
Concen: 0.266 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.01 min
Lab File: VU041191.D
Acq: 10 Nov 2020 20:43

Tgt Ion: 84 Resp: 1511
Ion Ratio Lower Upper
84 100
86 70.3 42.8 79.6
49 91.2 99.5 184.7#





#22

cis-1,2-Dichloroethene

Concen: 0.329 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041191.D

Acq: 10 Nov 2020 20:43

Instrument :

MSVOA_U

ClientSampleId :

GB0T8DL

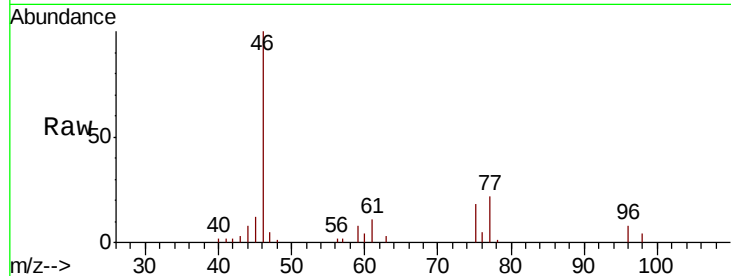
Tot Ion: 96 Resp: 1679

Ion Ratio Lower Upper

96 100

61 141.9 97.2 180.4

68 0.0 0.0 0.0

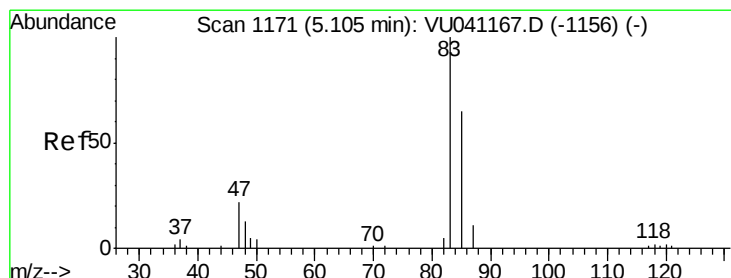
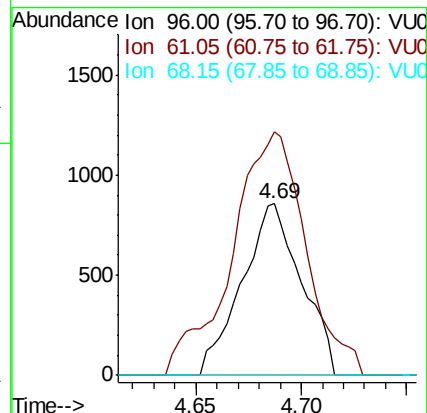
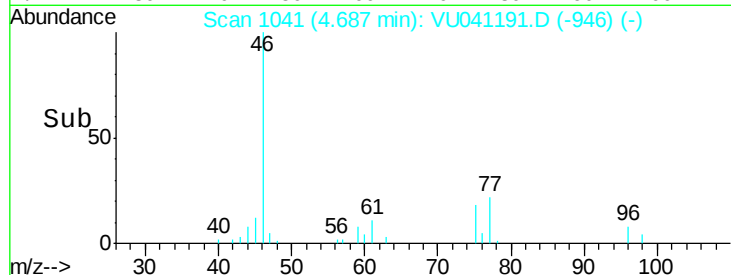


Abundance Ion 96.00 (95.70 to 96.70): VU041191.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU041191.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU041191.D (-946) (-)

Time-->



#25

Chloroform

Concen: 0.131 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU041191.D

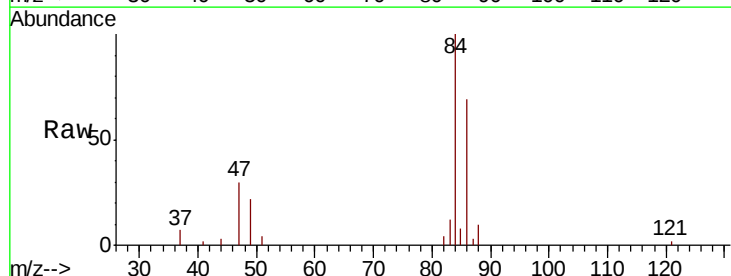
Acq: 10 Nov 2020 20:43

Tgt Ion: 83 Resp: 1304

Ion Ratio Lower Upper

83 100

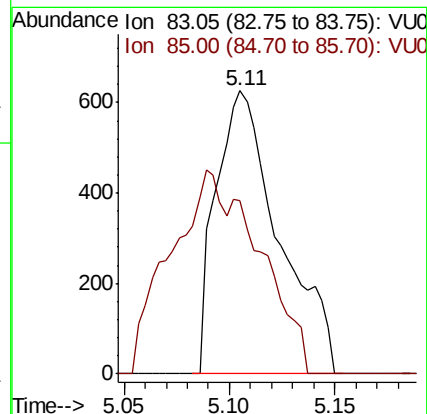
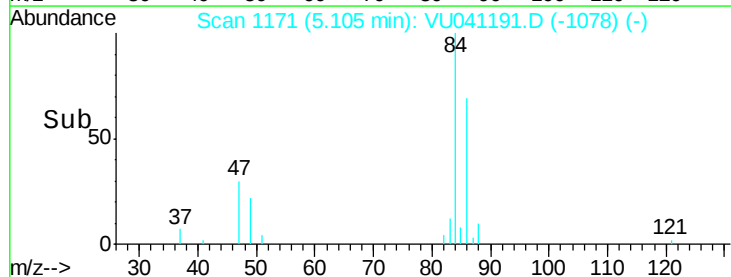
85 61.0 46.1 85.7

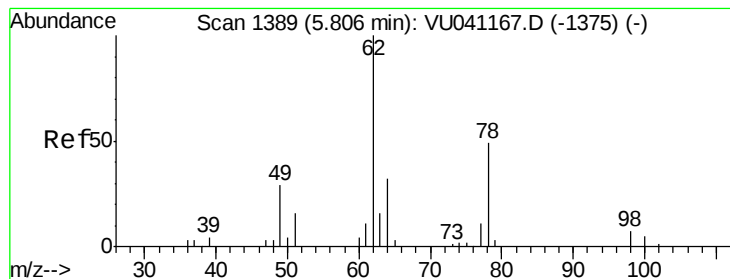


Abundance Ion 83.05 (82.75 to 83.75): VU041191.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU041191.D (-1078) (-)

Time-->





#27

1,2-Dichloroethane

Concen: 1.442 ug/L

RT: 5.80 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VU041191.D

Acq: 10 Nov 2020 20:43

Instrument :

MSVOA_U

ClientSampleId :

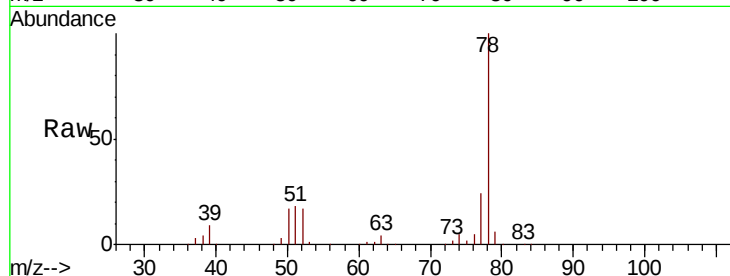
GB0T8DL

Tot Ion: 62 Resp: 10658

Ion Ratio Lower Upper

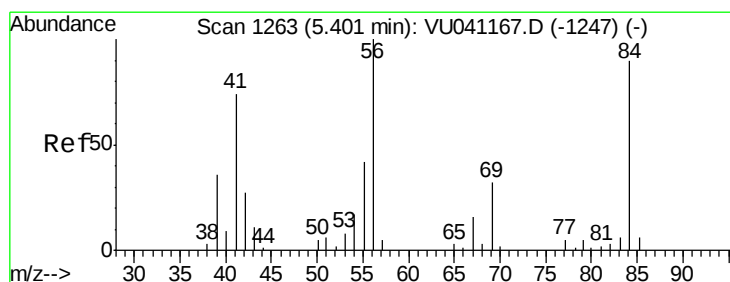
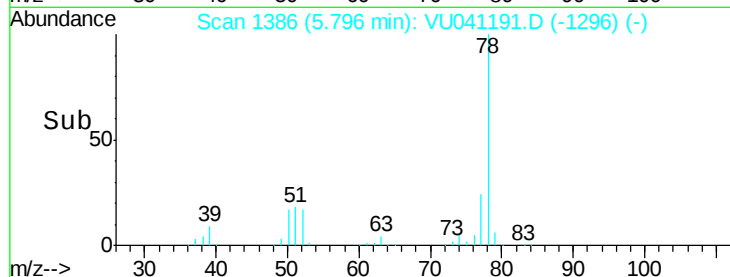
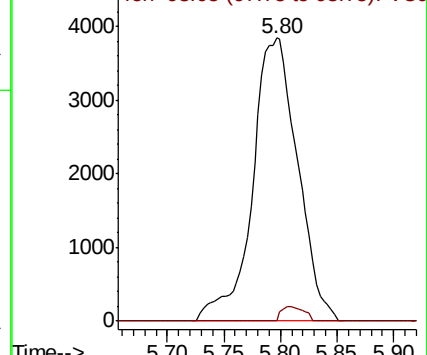
62 100

98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU041191.D (-1296) (-)

Ion 98.05 (97.75 to 98.75): VU041191.D (-1296) (-)



#30

Cyclohexane

Concen: 2.028 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU041191.D

Acq: 10 Nov 2020 20:43

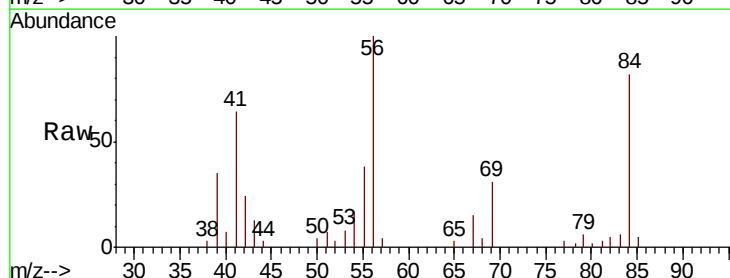
Tgt Ion: 56 Resp: 13424

Ion Ratio Lower Upper

56 100

69 30.5 22.8 34.2

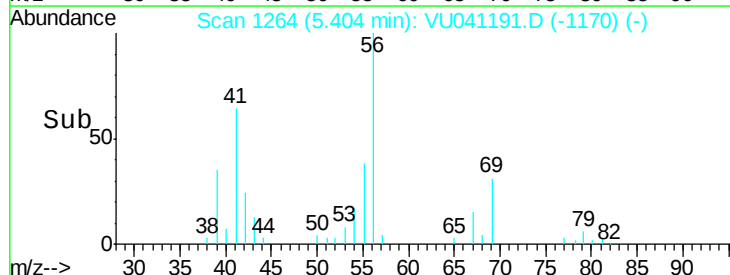
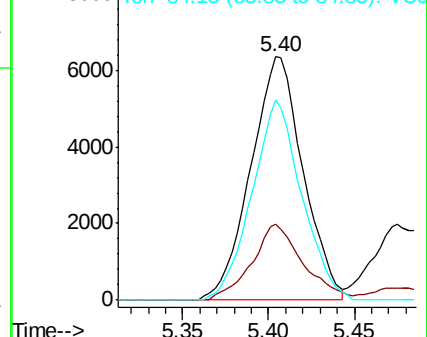
84 78.0 63.6 95.4

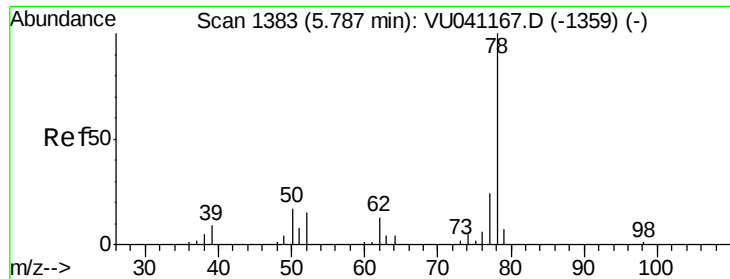


Abundance Ion 56.10 (55.80 to 56.80): VU041191.D (-1170) (-)

Ion 69.15 (68.85 to 69.85): VU041191.D (-1170) (-)

Ion 84.15 (83.85 to 84.85): VU041191.D (-1170) (-)





#33

Benzene

Concen: 44.151 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU041191.D

Acq: 10 Nov 2020 20:43

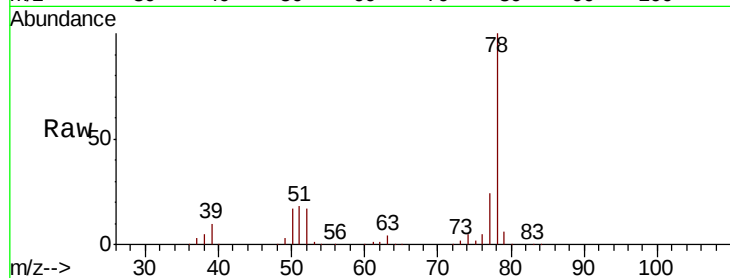
Instrument :

MSVOA_U

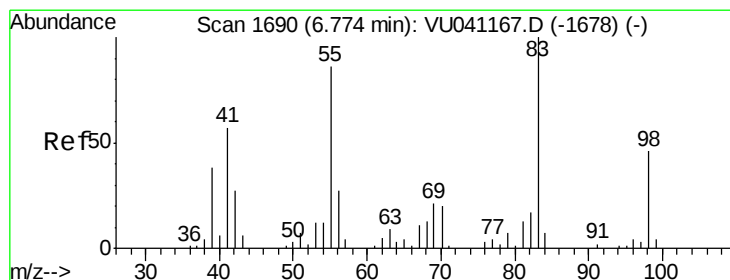
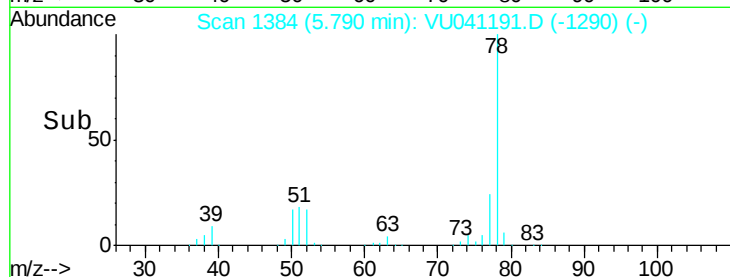
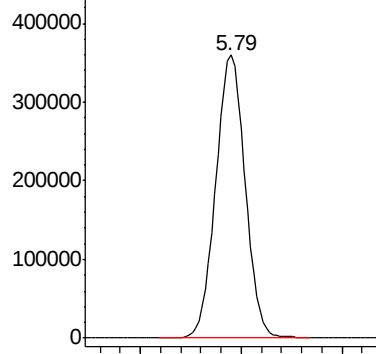
ClientSampleId :

GB0T8DL

Tgt Ion: 78 Resp: 724710



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.386 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041191.D

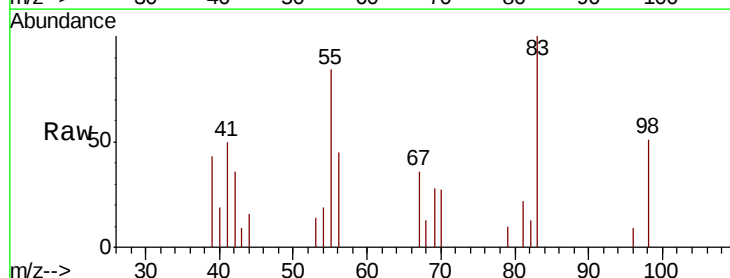
Acq: 10 Nov 2020 20:43

Tgt Ion: 83 Resp: 2407

Ion	Ratio	Lower	Upper
83	100		

55	66.1	72.0	108.0#
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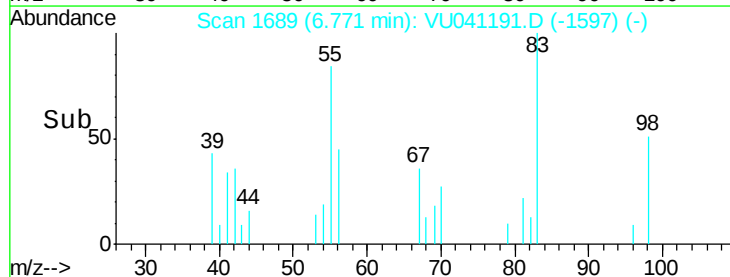
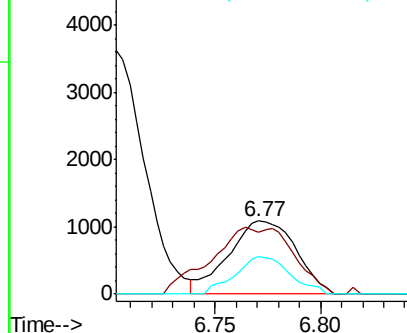
98	41.7	36.6	55.0
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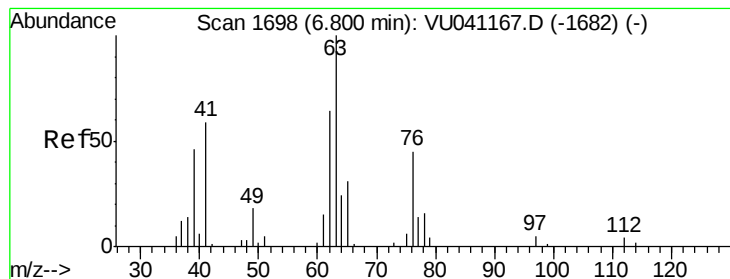


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.747 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041191.D

Acq: 10 Nov 2020 20:43

Instrument :

MSVOA_U

ClientSampleId :

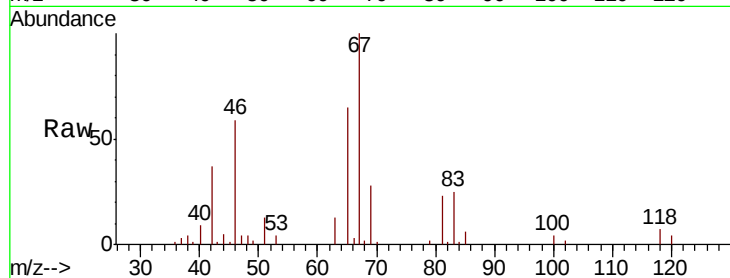
GB0T8DL

Tot Ion: 63 Resp: 3318

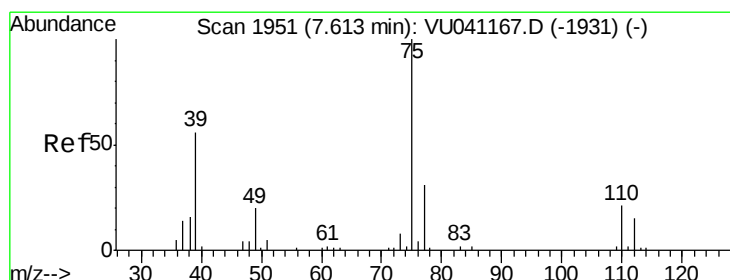
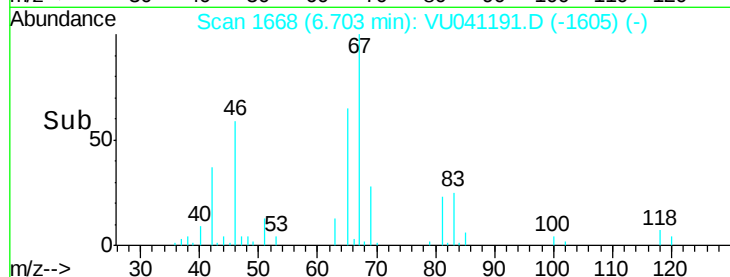
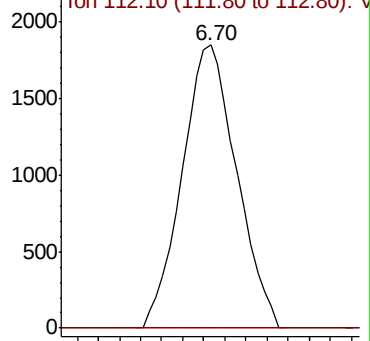
Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU041191.D (-1668) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.122 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041191.D

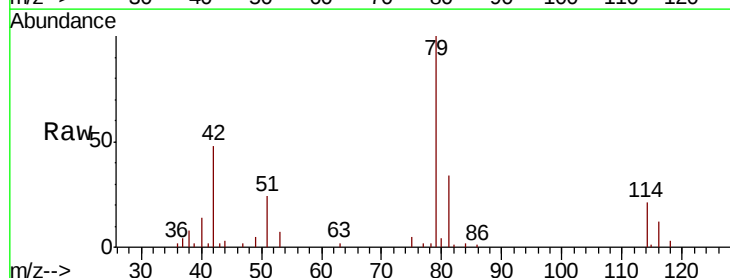
Acq: 10 Nov 2020 20:43

Tgt Ion: 75 Resp: 748

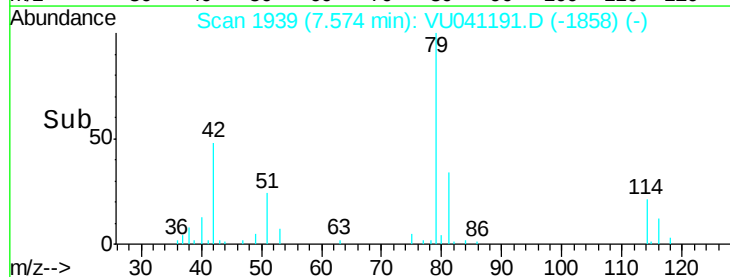
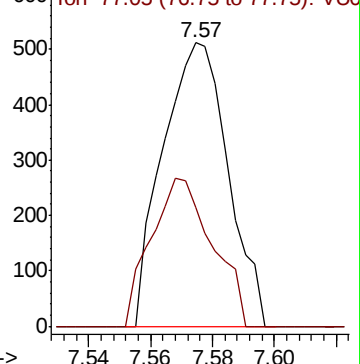
Ion Ratio Lower Upper

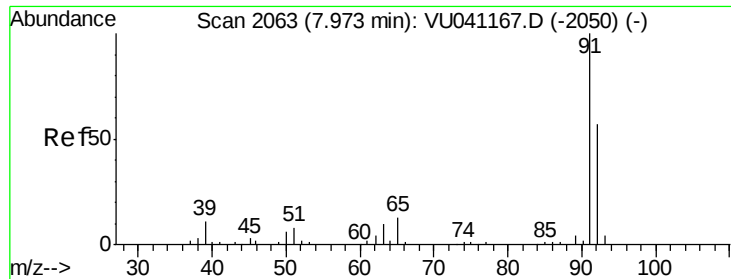
75 100

77 42.0 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU041191.D (-1858) (-)





#42

Toluene

Concen: 0.342 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041191.D

Acq: 10 Nov 2020 20:43

Instrument :

MSVOA_U

ClientSampleId :

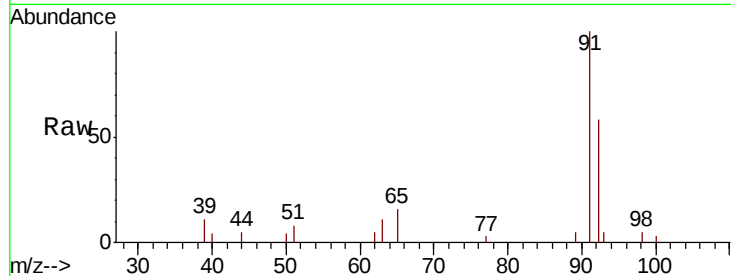
GB0T8DL

Tot Ion: 91 Resp: 5696

Ion Ratio Lower Upper

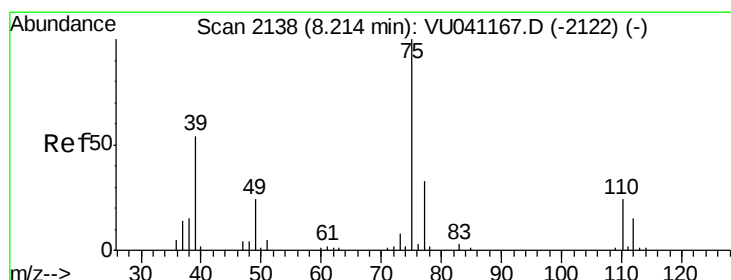
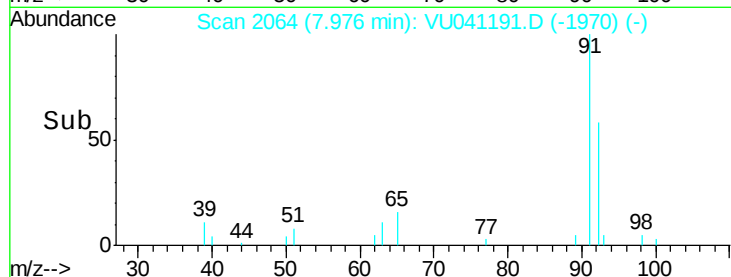
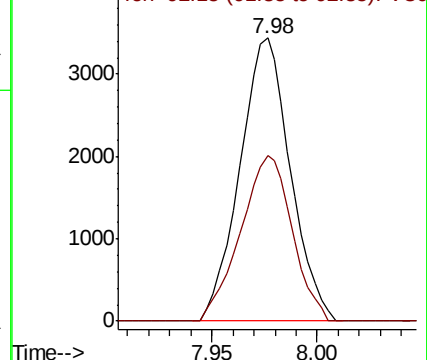
91 100

92 58.4 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041191.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU041191.D (-1970) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041191.D

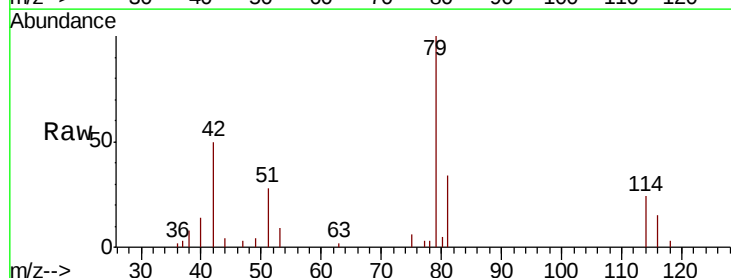
Acq: 10 Nov 2020 20:43

Tgt Ion: 75 Resp: 520

Ion Ratio Lower Upper

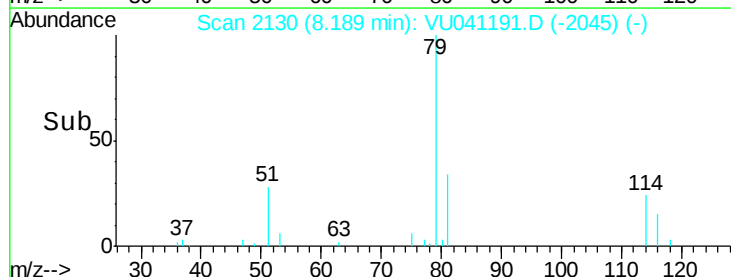
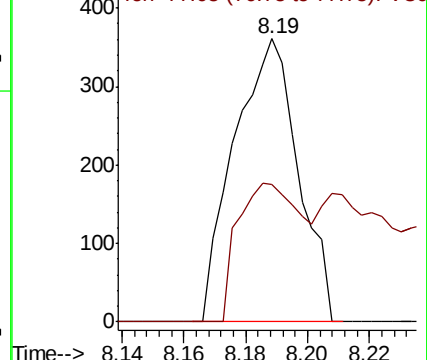
75 100

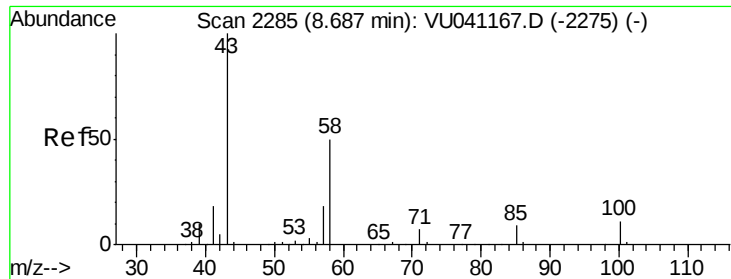
77 48.5 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041191.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041191.D (-2045) (-)

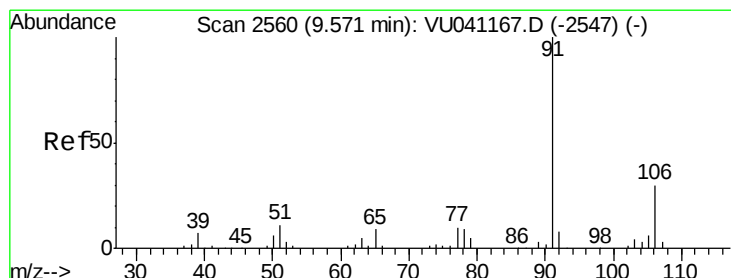
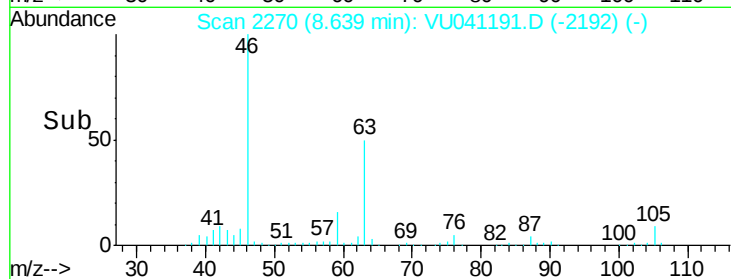
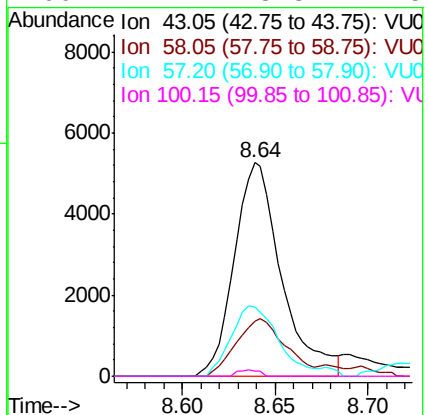
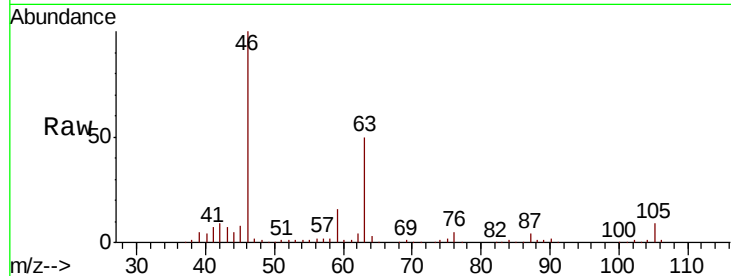




#48
2-Hexanone
Concen: 3.497 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041191.D
Acq: 10 Nov 2020 20:43

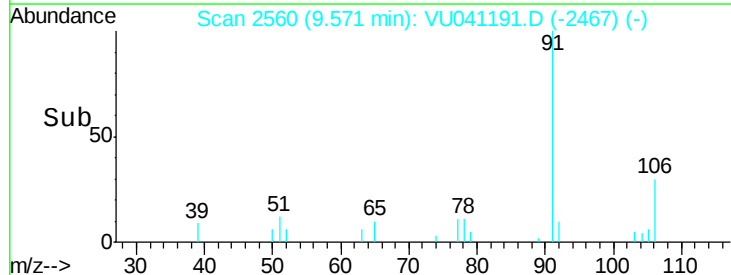
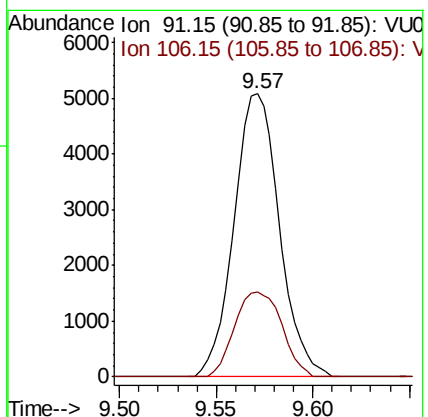
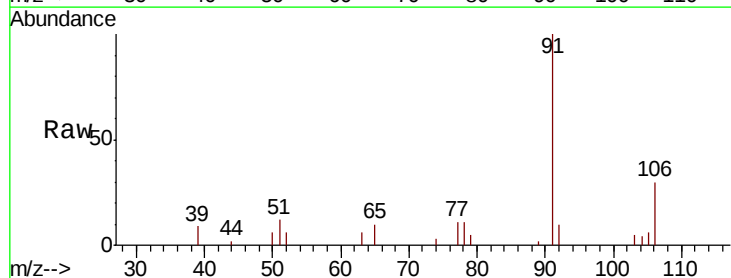
Instrument :
MSVOA_U
ClientSampleId :
GB0T8DL

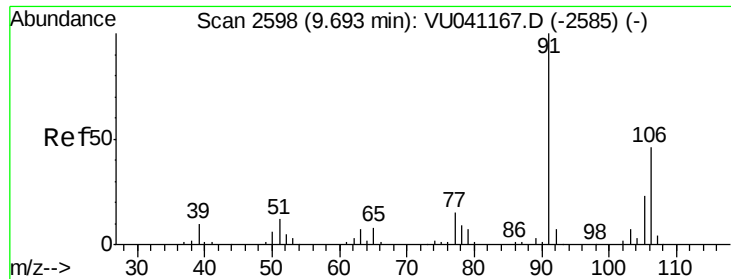
Tot Ion:	43	Resp:	9325
Ion	Ratio	Lower	Upper
43	100		
58	28.0	41.4	62.2#
57	34.0	14.6	21.8#
100	1.4	8.3	12.5#



#52
Ethylbenzene
Concen: 0.474 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU041191.D
Acq: 10 Nov 2020 20:43

Tgt Ion:	91	Resp:	8296
Ion	Ratio	Lower	Upper
91	100		
106	29.9	21.0	39.0





#53

m,p-Xylene

Concen: 5.104 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU041191.D

Acq: 10 Nov 2020 20:43

Instrument :

MSVOA_U

ClientSampleId :

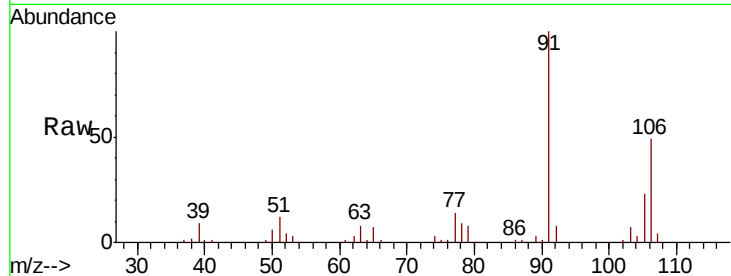
GB0T8DL

Tot Ion:106 Resp: 32615

Ion Ratio Lower Upper

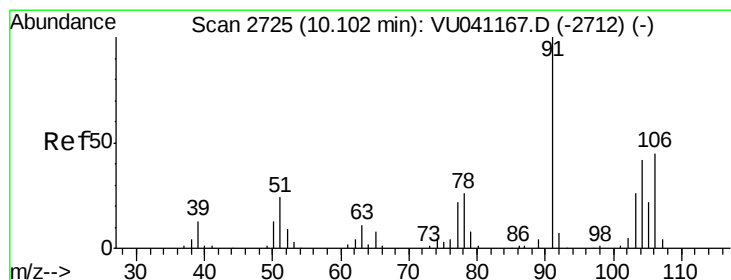
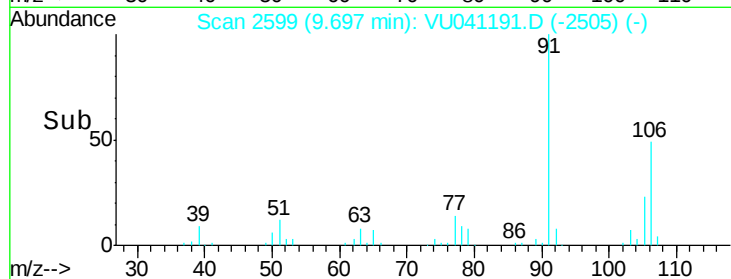
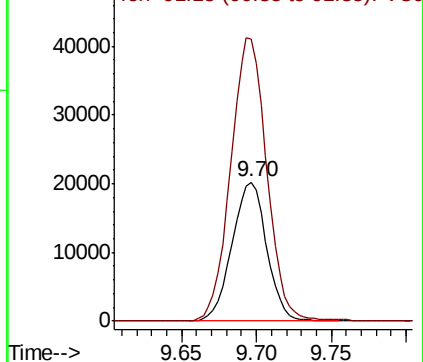
106 100

91 203.1 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.098 ug/L

RT: 10.10 min Scan# 2723

Delta R.T. -0.01 min

Lab File: VU041191.D

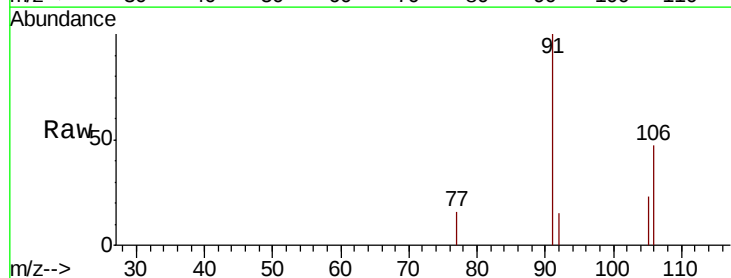
Acq: 10 Nov 2020 20:43

Tgt Ion:106 Resp: 585

Ion Ratio Lower Upper

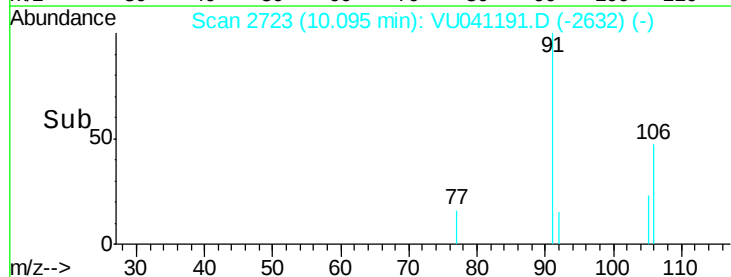
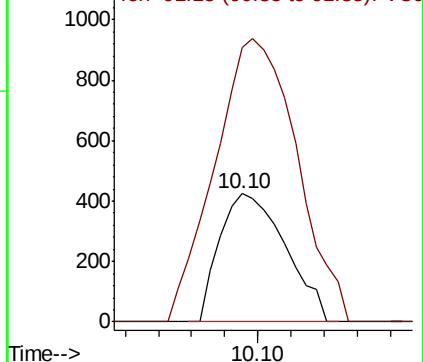
106 100

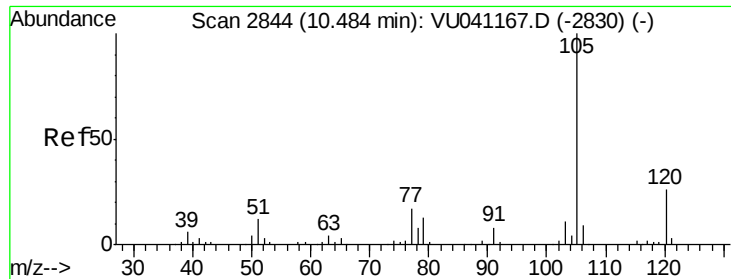
91 213.6 154.3 286.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.362 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041191.D

Acq: 10 Nov 2020 20:43

Instrument :

MSVOA_U

ClientSampleId :

GB0T8DL

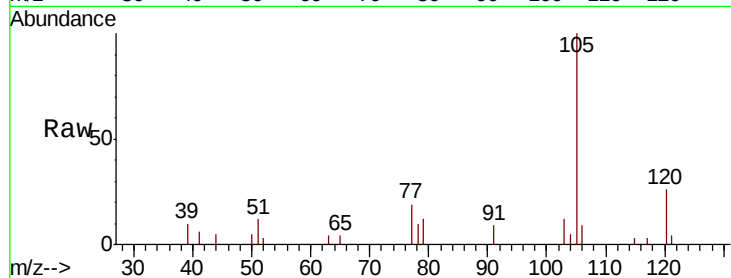
Tot Ion: 105 Resp: 5797

Ion Ratio Lower Upper

105 100

120 23.4 20.7 31.1

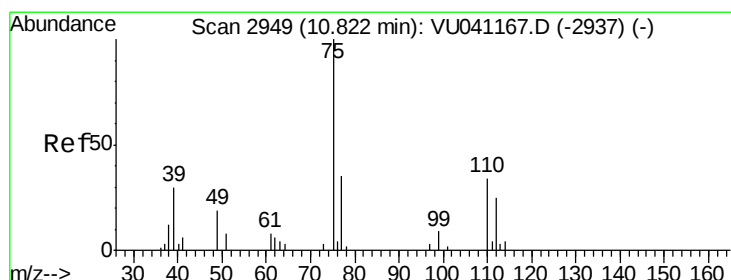
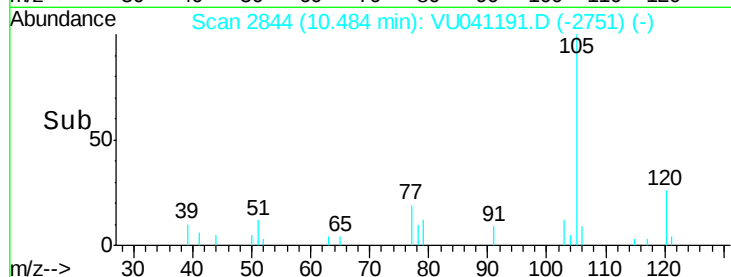
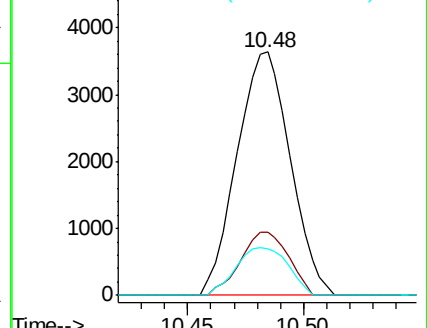
77 19.1 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#59

1,2,3-Trichloropropane

Concen: 1.114 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041191.D

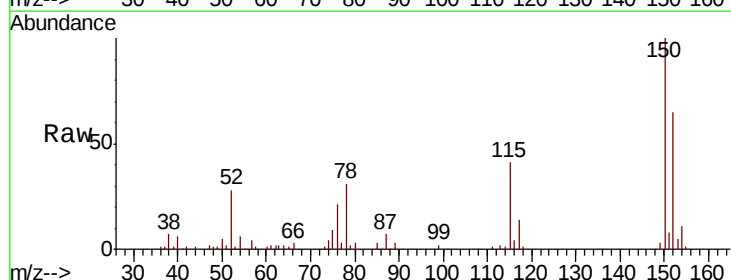
Acq: 10 Nov 2020 20:43

Tgt Ion: 75 Resp: 3686

Ion Ratio Lower Upper

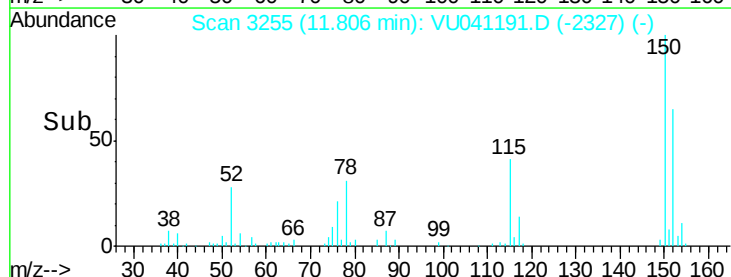
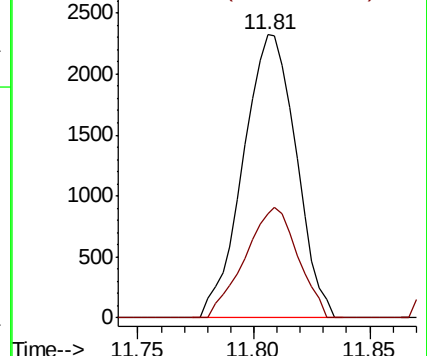
75 100

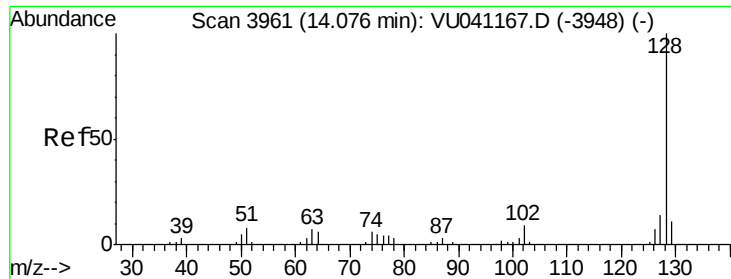
77 38.9 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#69

Naphthalene

Concen: 0.053 ug/L

RT: 14.08 min Scan# 3963

Delta R.T. 0.01 min

Lab File: VU041191.D

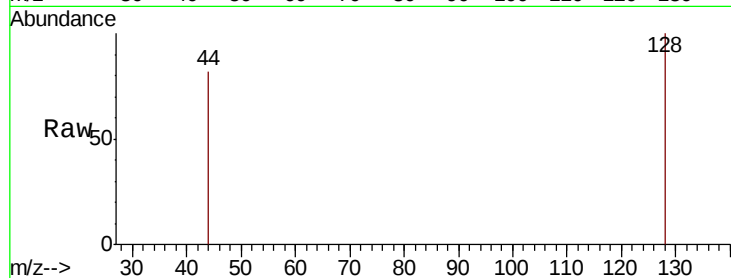
Acq: 10 Nov 2020 20:43

Instrument :

MSVOA_U

ClientSampleId :

GB0T8DL



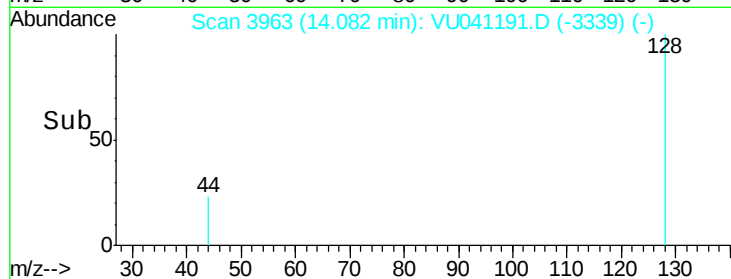
Tot Ion:128 Resp: 427

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

127 0.0 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

400

300

200

100

0

14.08

14.06

14.04

14.10

Time-->