

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062620\
 Data File : VU039162.D
 Acq On : 26 Jun 2020 14:06
 Operator : SY/MD
 Sample : L3110-02DL2 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F12DL

Quant Time: Jun 26 23:55:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 23:52:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	254940	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	247374	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	110000	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	67269	3.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.00%
7) Chloroethane-d5	1.93	69	72098	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.59	63	110896	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	4.68	46	415825	61.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.44%
24) Chloroform-d	5.10	84	183053	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.74	65	117304	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.76	84	338659	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.72	67	116743	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.92	98	264522	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	8.20	79	48017	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.66	63	304619	58.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.82%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	113098	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	112568	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

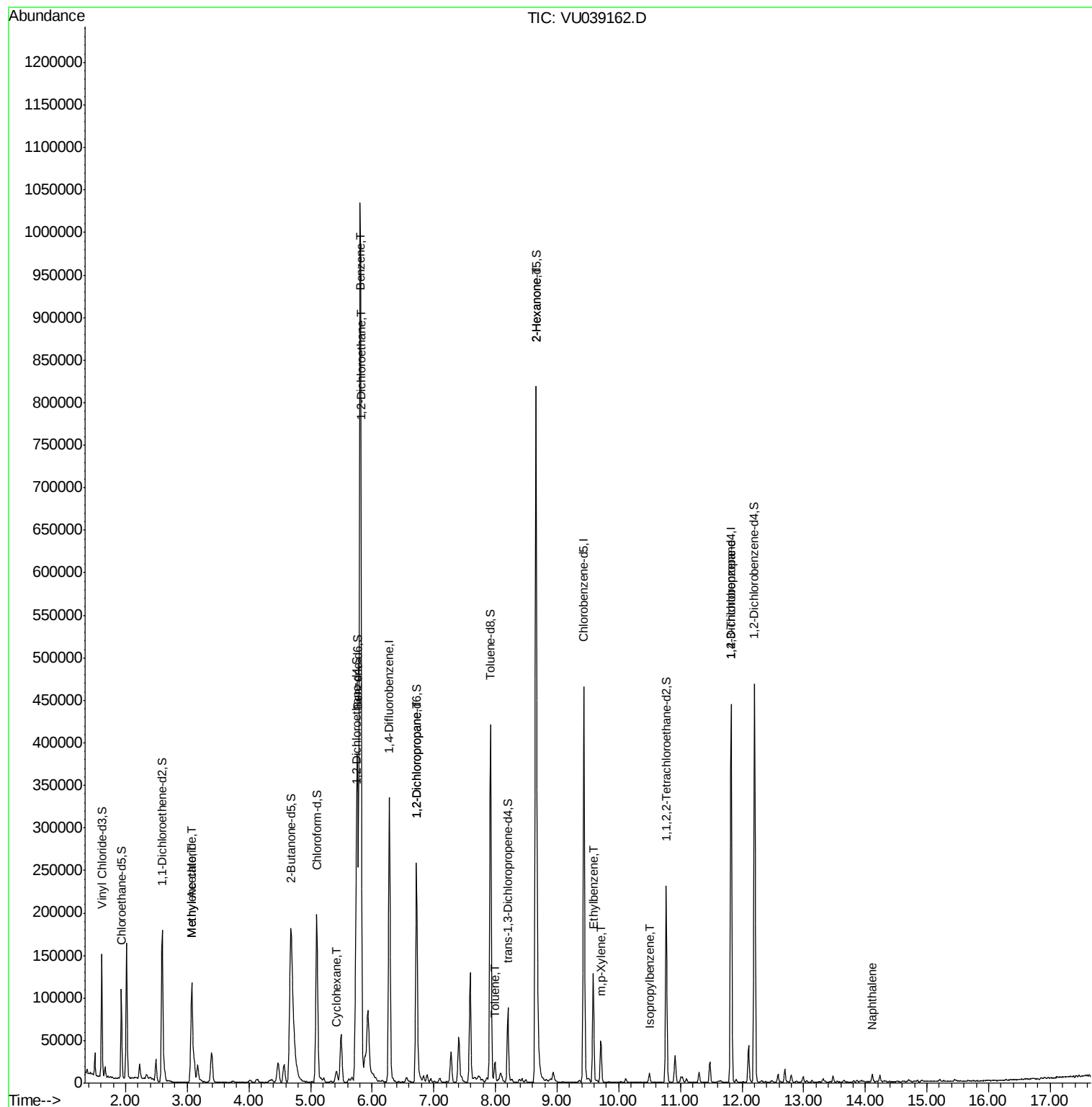
					Ovalue
15) Methyl Acetate	3.07	43	82915	7.633 ug/L #	55
16) Methylene chloride	3.07	84	4941	0.227 ug/L #	61
27) 1,2-Dichloroethane	5.83	62	34110	1.269 ug/L	100
30) Cyclohexane	5.42	56	5943	0.207 ug/L	97
33) Benzene	5.81	78	948102	12.198 ug/L	100
37) 1,2-Dichloropropane	6.72	63	14089	0.669 ug/L #	92
42) Toluene	7.99	91	15314	0.198 ug/L	99
48) 2-Hexanone	8.66	43	38335	3.327 ug/L #	70
52) Ethylbenzene	9.58	91	86133	1.062 ug/L	98
53) m,p-Xylene	9.71	106	13807	0.463 ug/L	89
56) Isopropylbenzene	10.50	105	6675	0.089 ug/L	98
59) 1,2,3-Trichloropropane	11.82	75	15332	0.966 ug/L	92
69) Naphthalene	14.11	128	7604	0.162 ug/L #	93

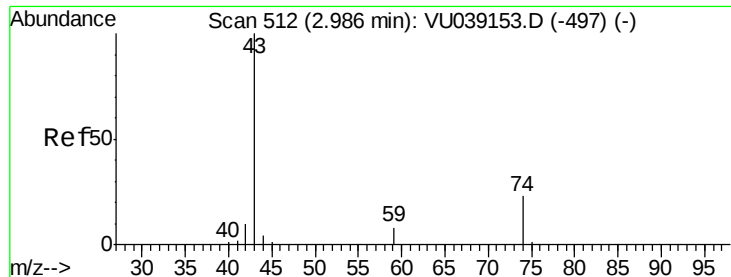
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#15

Methvl Acetate

Concen: 7.633 ug/L

RT: 3.07 min Scan# 539

Delta R.T. 0.09 min

Lab File: VU039162.D

Acq: 26 Jun 2020 14:06

Instrument :

MSVOA_U

ClientSampleId :

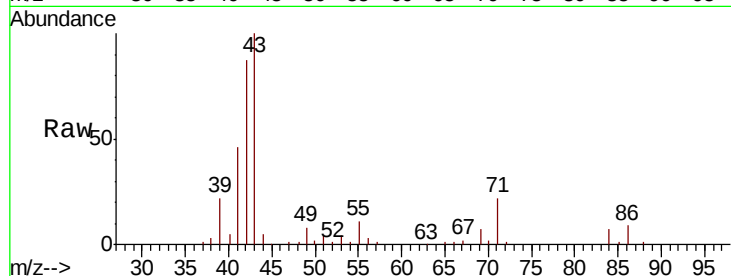
F9F12DL

Tot Ion: 43 Resp: 82915

Ion Ratio Lower Upper

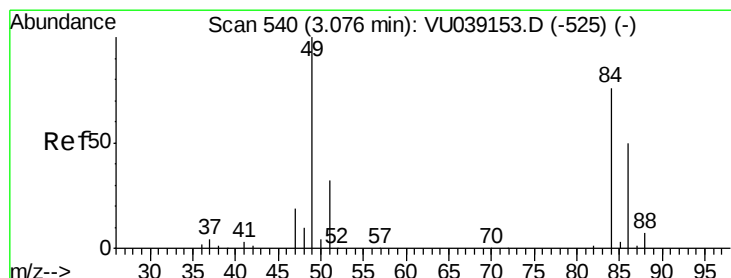
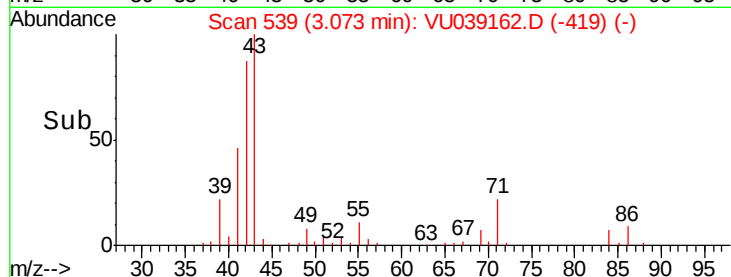
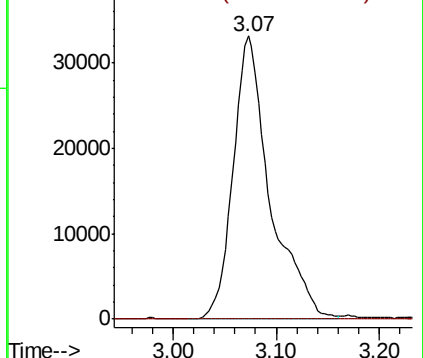
43 100

74 0.0 17.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.227 ug/L

RT: 3.07 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU039162.D

Acq: 26 Jun 2020 14:06

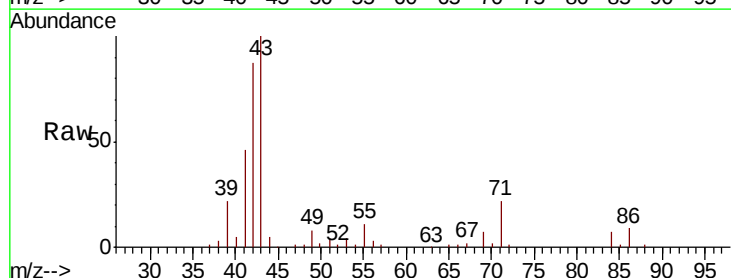
Tgt Ion: 84 Resp: 4941

Ion Ratio Lower Upper

84 100

86 119.7 44.1 81.9#

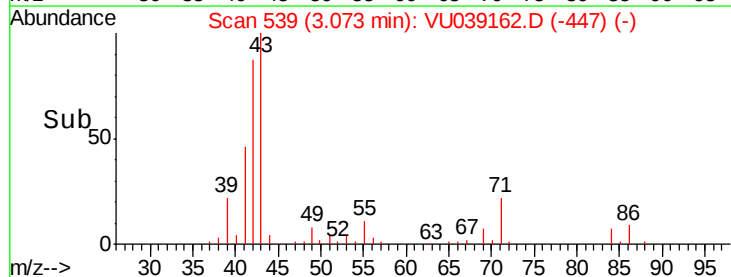
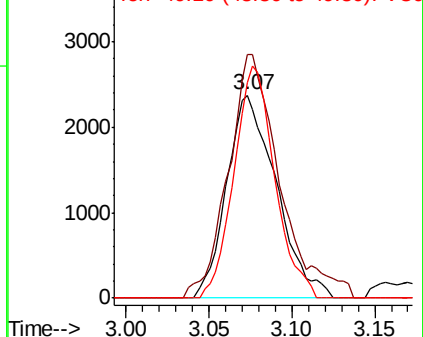
49 106.1 93.1 172.9

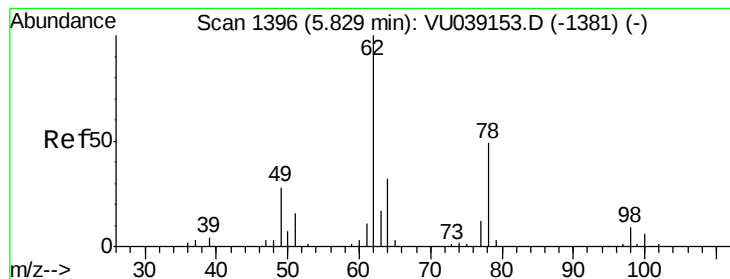


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#27

1,2-Dichloroethane

Concen: 1.269 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU039162.D

Acq: 26 Jun 2020 14:06

Instrument :

MSVOA_U

ClientSampleId :

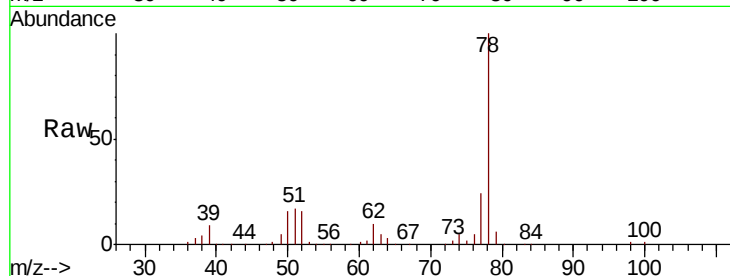
F9F12DL

Tot Ion: 62 Resp: 34110

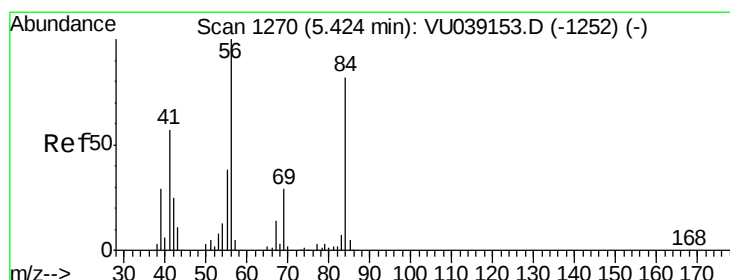
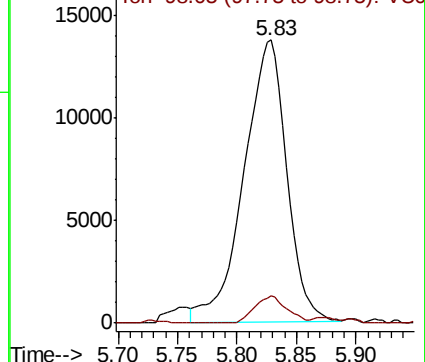
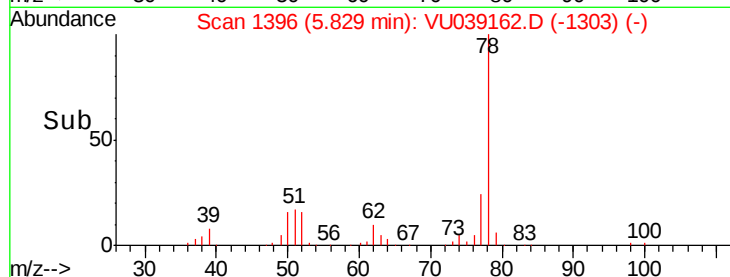
Ion Ratio Lower Upper

62 100

98 9.6 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VU039162.D (-1303) (-)



#30

Cyclohexane

Concen: 0.207 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU039162.D

Acq: 26 Jun 2020 14:06

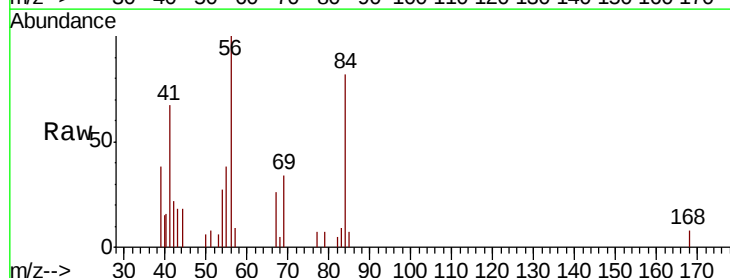
Tgt Ion: 56 Resp: 5943

Ion Ratio Lower Upper

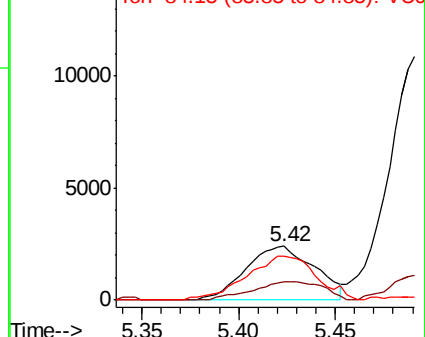
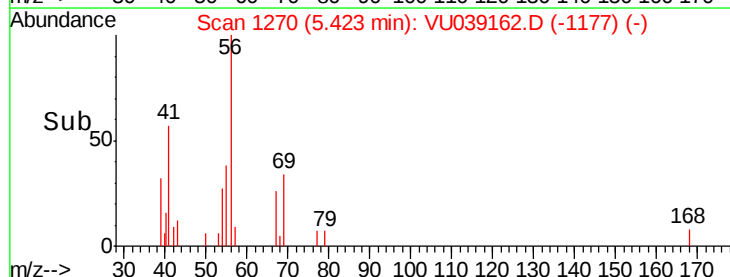
56 100

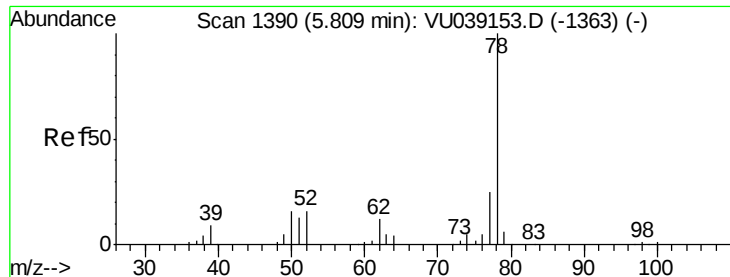
69 34.8 23.3 34.9

84 83.2 67.1 100.7



Abundance Ion 56.10 (55.80 to 56.80): VU039162.D (-1177) (-)





#33

Benzene

Concen: 12.198 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU039162.D

Acq: 26 Jun 2020 14:06

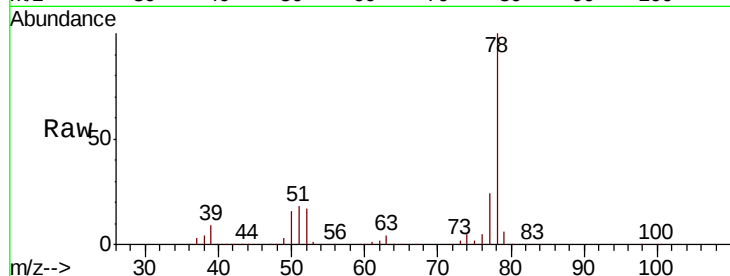
Instrument :

MSVOA_U

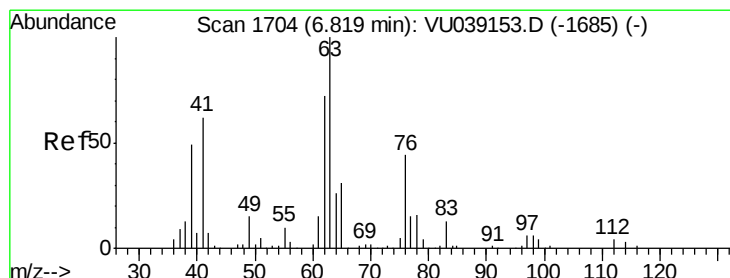
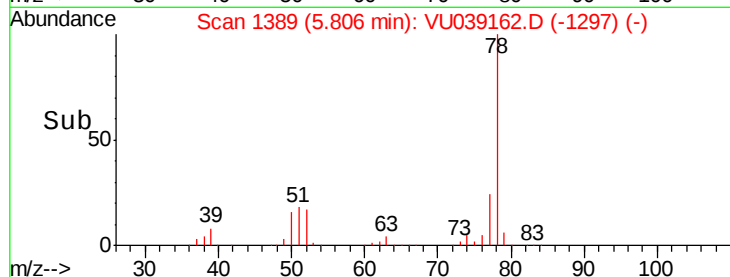
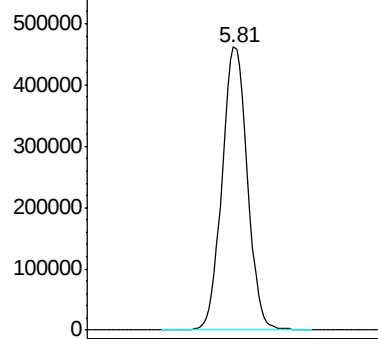
ClientSampleId :

F9F12DL

Tgt Ion: 78 Resp: 948102



Abundance Ion 78.10 (77.80 to 78.80): VU0



#37

1,2-Dichloropropane

Concen: 0.669 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU039162.D

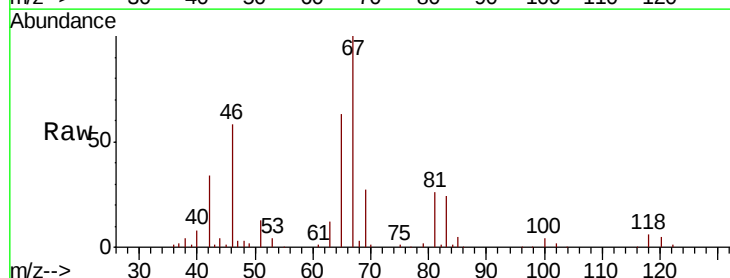
Acq: 26 Jun 2020 14:06

Tgt Ion: 63 Resp: 14089

Ion Ratio Lower Upper

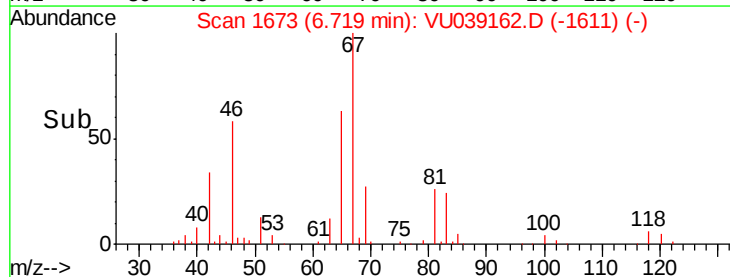
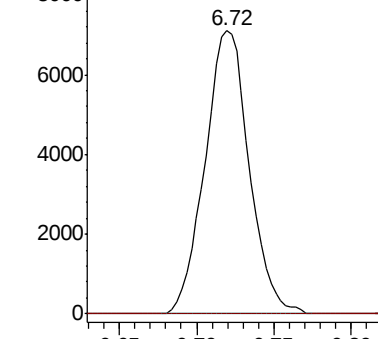
63 100

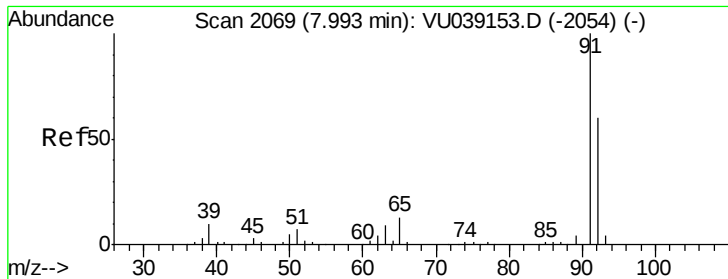
112 1.7 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.198 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU039162.D

Acq: 26 Jun 2020 14:06

Instrument :

MSVOA_U

ClientSampleId :

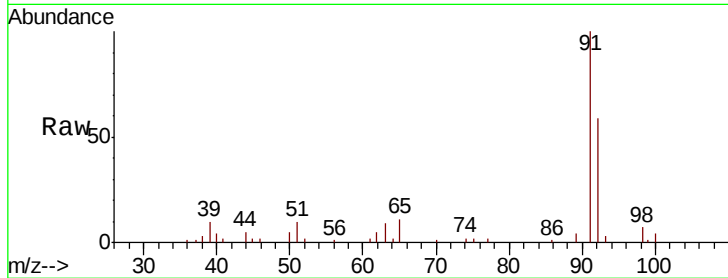
F9F12DL

Tot Ion: 91 Resp: 15314

Ion Ratio Lower Upper

91 100

92 59.5 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VU039153.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU039153.D (-2054) (-)

7.99

10000

8000

6000

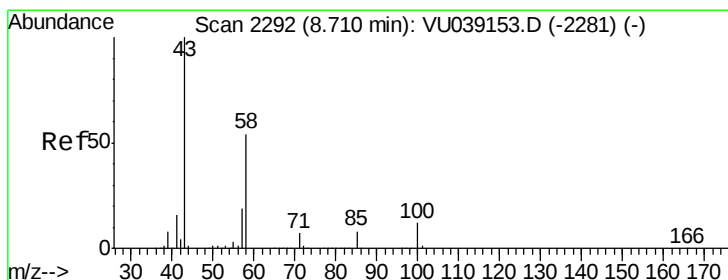
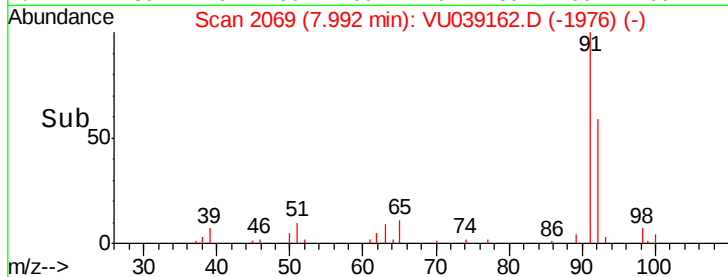
4000

2000

0

Time-->

7.95 8.00 8.05



#48

2-Hexanone

Concen: 3.327 ug/L

RT: 8.66 min Scan# 2276

Delta R.T. -0.05 min

Lab File: VU039162.D

Acq: 26 Jun 2020 14:06

Tgt Ion: 43 Resp: 38335

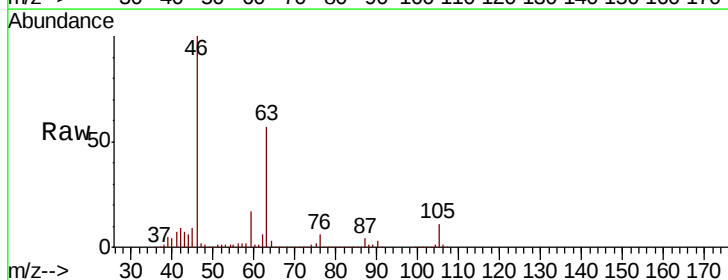
Ion Ratio Lower Upper

43 100

58 31.5 44.0 66.0#

57 30.4 15.0 22.6#

100 0.9 9.4 14.2#



Abundance Ion 43.05 (42.75 to 43.75): VU039153.D (-2281) (-)

Ion 58.05 (57.75 to 58.75): VU039153.D (-2281) (-)

Ion 57.20 (56.90 to 57.90): VU039153.D (-2281) (-)

Ion 100.15 (99.85 to 100.85): VU039153.D (-2281) (-)

8.66

30000

25000

20000

15000

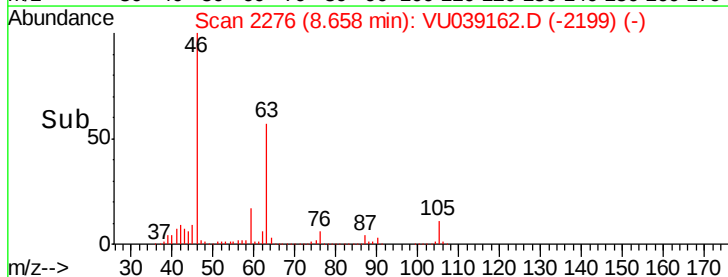
10000

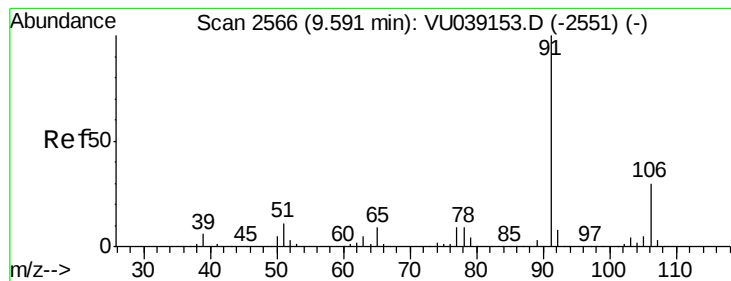
5000

0

Time-->

8.60 8.65 8.70





#52

Ethylbenzene

Concen: 1.062 ug/L

RT: 9.58 min Scan# 2564

Delta R.T. -0.01 min

Lab File: VU039162.D

Acq: 26 Jun 2020 14:06

Instrument :

MSVOA_U

ClientSampleID :

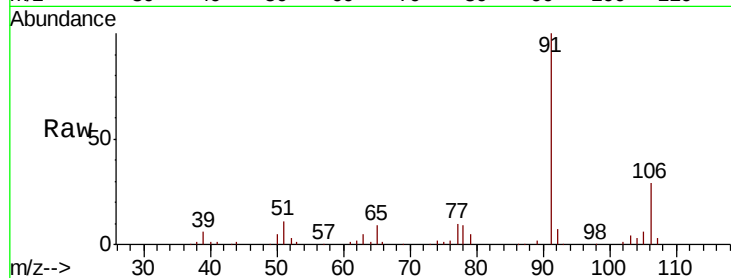
F9F12DL

Tot Ion: 91 Resp: 86133

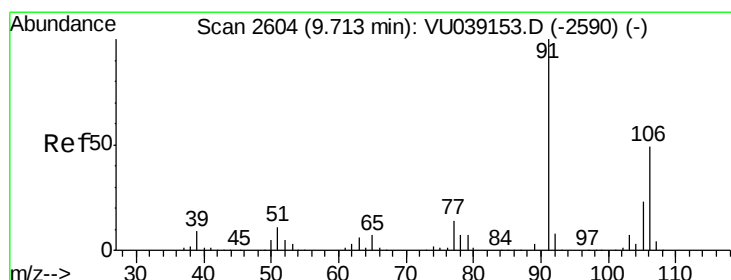
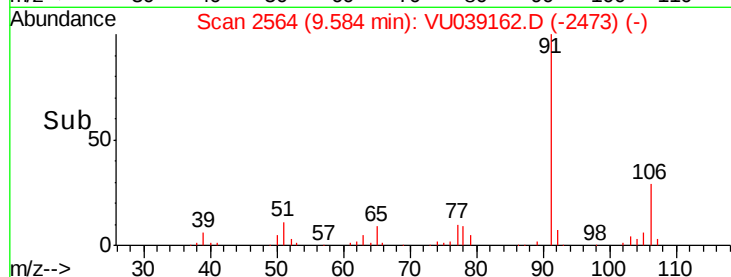
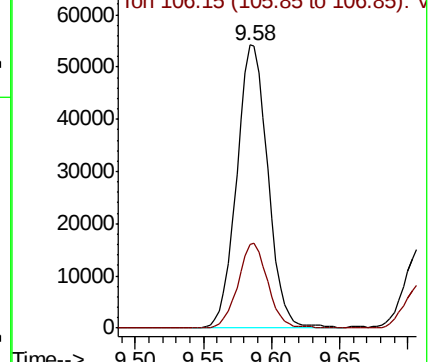
Ion Ratio Lower Upper

91 100

106 29.4 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039153.D (-2551) (-)



#53

m,p-Xylene

Concen: 0.463 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU039162.D

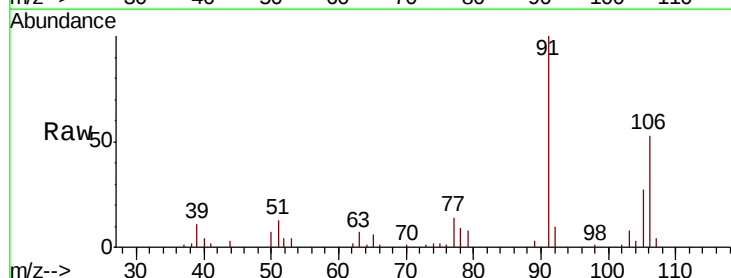
Acq: 26 Jun 2020 14:06

Tgt Ion: 106 Resp: 13807

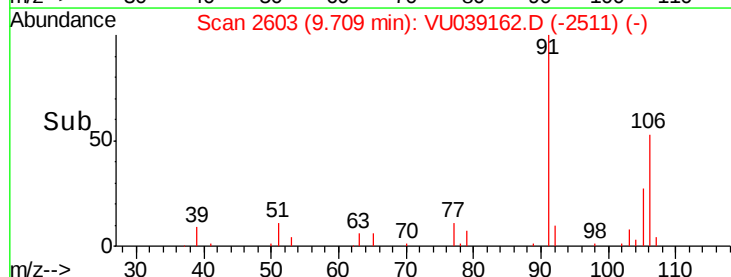
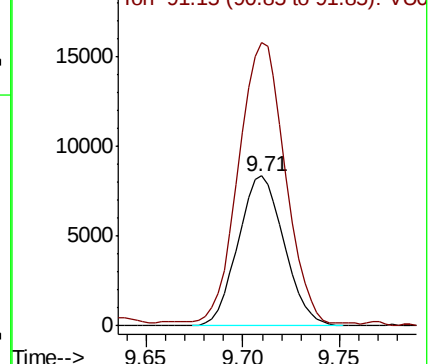
Ion Ratio Lower Upper

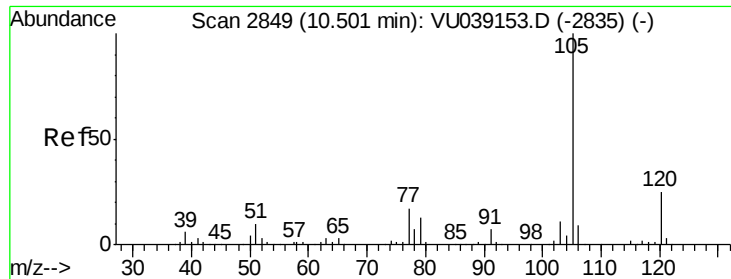
106 100

91 188.9 143.6 266.8



Abundance Ion 106.15 (105.85 to 106.85): VU039153.D (-2590) (-)





#56

Isopropylbenzene

Concen: 0.089 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU039162.D

Acq: 26 Jun 2020 14:06

Instrument :

MSVOA_U

ClientSampled :

F9F12DL

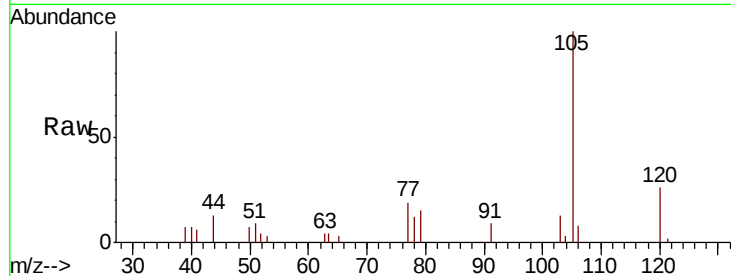
Tot Ion:105 Resp: 6675

Ion Ratio Lower Upper

105 100

120 25.1 19.9 29.9

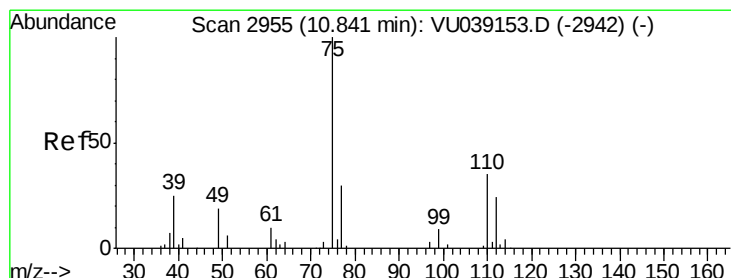
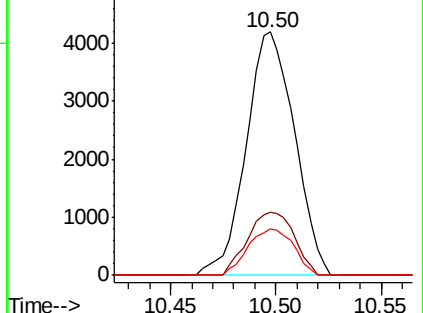
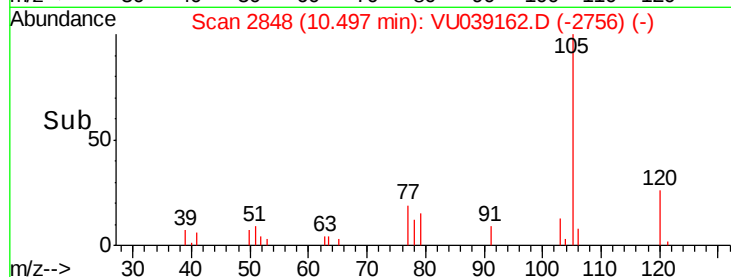
77 18.0 13.3 19.9



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): VU



#59

1,2,3-Trichloropropane

Concen: 0.966 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU039162.D

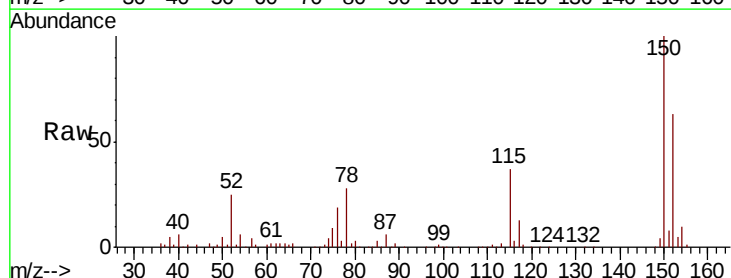
Acq: 26 Jun 2020 14:06

Tgt Ion: 75 Resp: 15332

Ion Ratio Lower Upper

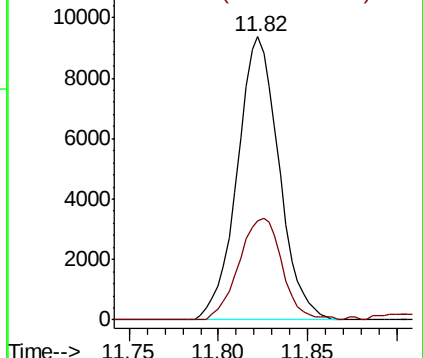
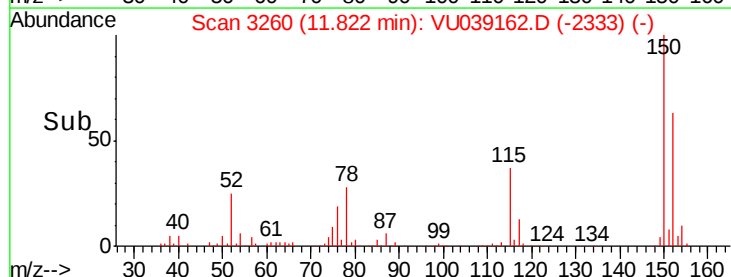
75 100

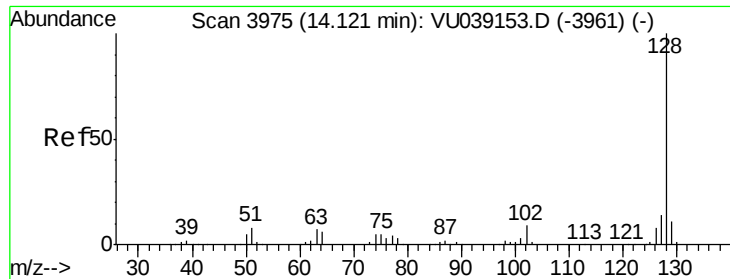
77 37.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#69

Naphthalene

Concen: 0.162 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU039162.D

Acq: 26 Jun 2020 14:06

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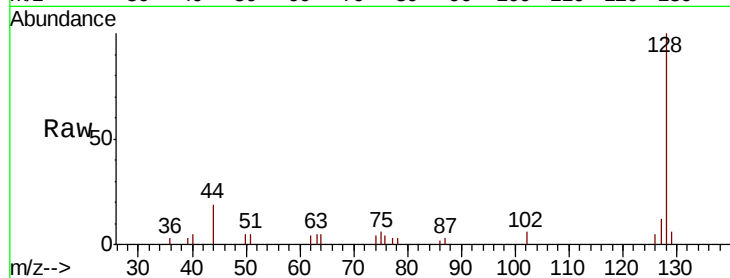
Tot Ion:128 Resp: 7604

Ion Ratio Lower Upper

128 100

129 7.5 8.9 13.3#

127 15.8 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

