

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037922.D
 Acq On : 29 Apr 2020 19:14
 Operator : JC/MD
 Sample : L2395-12 20X
 Misc : 5.6mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 30 01:22:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 01:17:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	682084	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	663247	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	305670	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	193510	32.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.94%
7) Chloroethane-d5	1.93	69	186813	40.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.90%
11) 1,1-Dichloroethene-d2	2.59	63	276877	28.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.40%#
21) 2-Butanone-d5	4.66	46	423137	89.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.61%
24) Chloroform-d	5.10	84	397352	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.54%
26) 1,2-Dichloroethane-d4	5.74	65	277937	44.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.44%
32) Benzene-d6	5.76	84	818449	43.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.28%
36) 1,2-Dichloropropane-d6	6.72	67	286203	45.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.24%
41) Toluene-d8	7.92	98	738733	42.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.70%
43) trans-1,3-Dichloropropene-	8.20	79	129117	39.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.98%
47) 2-Hexanone-d5	8.65	63	301909	88.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.41%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	415381	47.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.18%
64) 1,2-Dichlorobenzene-d4	12.20	152	276283	46.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.90%

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	270450	39.966	ug/L 100
8) Chloroethane	1.95	64	11567	3.042	ug/L 96
12) 1,1-Dichloroethene	2.60	96	17234	4.162	ug/L # 1
13) Acetone	2.65	43	5358	1.902	ug/L 80
16) Methylene chloride	3.08	84	69003	14.023	ug/L 97
19) 1,1-Dichloroethane	3.91	63	143599	15.386	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	554875	109.453	ug/L 93
30) 1,1,1-Trichloroethane	5.35	97	155679	21.018	ug/L 99
31) Carbon tetrachloride	5.35	117	20056	3.349	ug/L 100
34) Trichloroethene	6.57	95	38648	7.827	ug/L 95
42) Toluene	7.99	91	20069	0.951	ug/L 99
48) 2-Hexanone	8.65	43	37643	4.979	ug/L # 85
52) Ethylbenzene	9.59	91	50604	2.141	ug/L 98
53) m,p-Xylene	9.71	106	57619	6.475	ug/L 95
54) o-xylene	10.12	106	18391	2.113	ug/L 95
59) 1,2,3-Trichloropropane	11.82	75	43730	5.921	ug/L 89
69) Naphthalene	14.11	128	67073	2.765	ug/L 99

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Quant Title : VOC Analysis
QLast Update : Thu Apr 30 01:17:58 2020
Response via : Initial Calibration

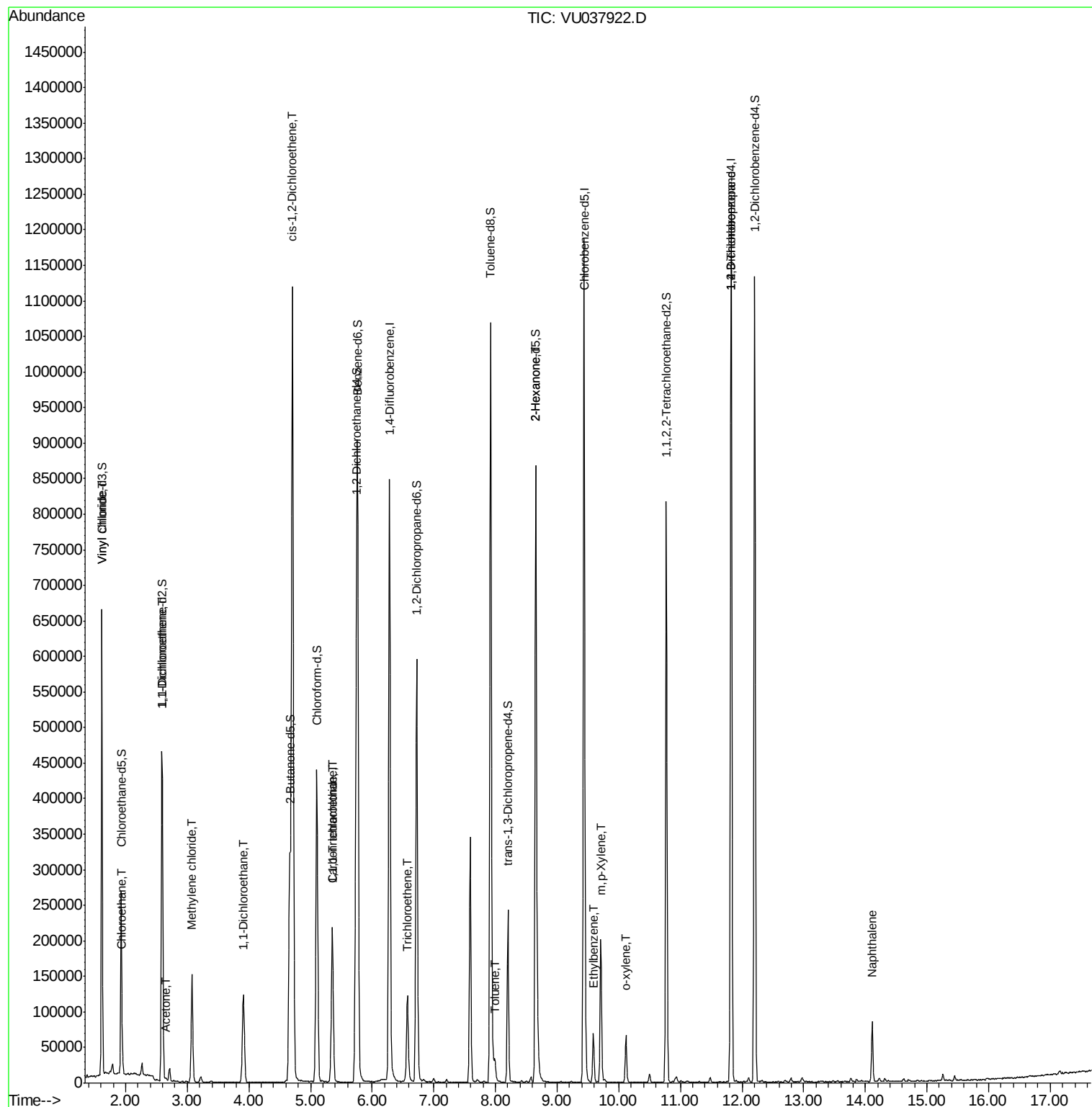
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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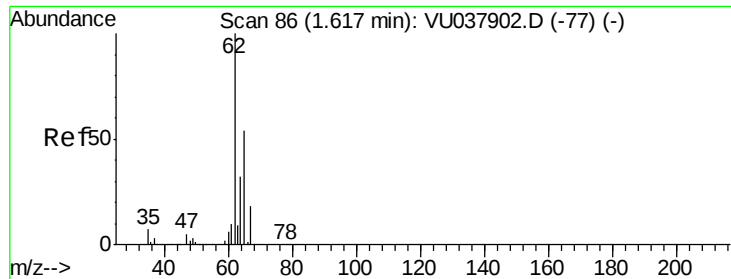
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042920\
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Quant Title : VOC Analysis
QLast Update : Thu Apr 30 01:17:58 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 39.966 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037922.D

Acq: 29 Apr 2020 19:14

Instrument :

MSVOA_U

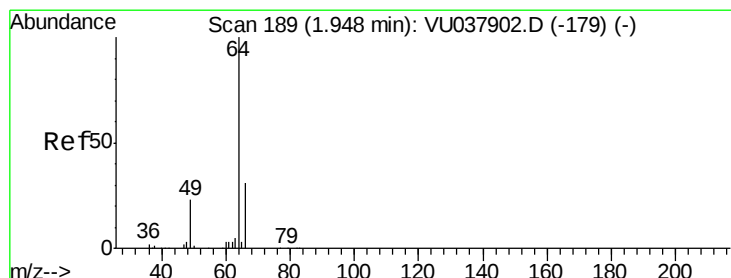
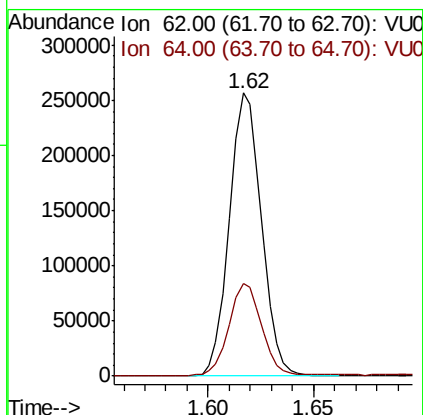
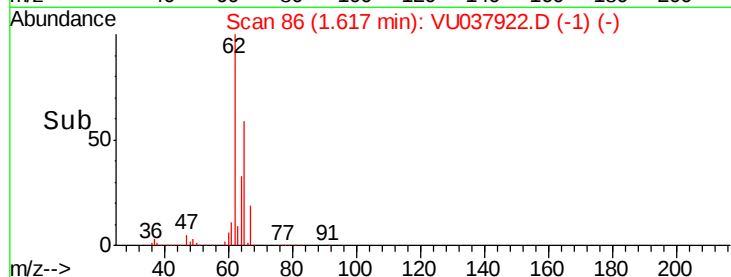
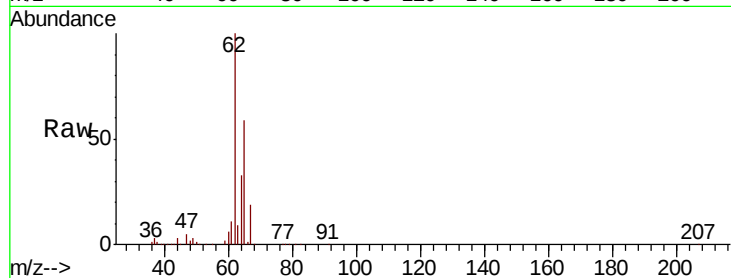
ClientSampled :

Tot Ion: 62 Resp: 270450

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.0



#8

Chloroethane

Concen: 3.042 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037922.D

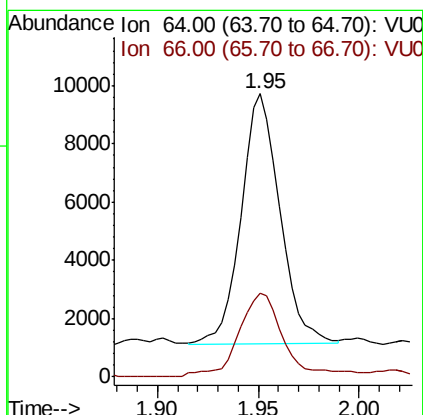
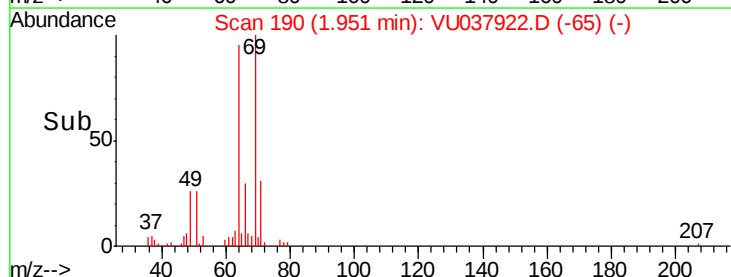
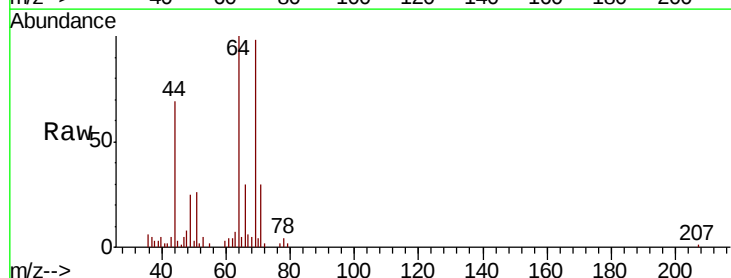
Acq: 29 Apr 2020 19:14

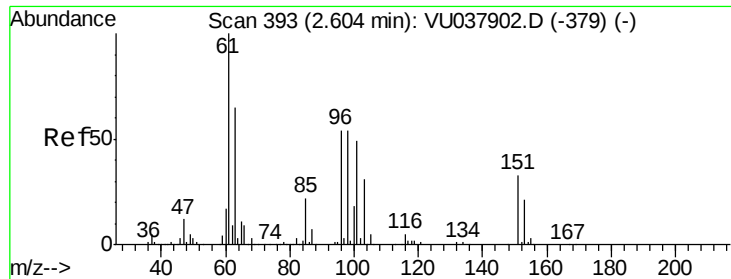
Tgt Ion: 64 Resp: 11567

Ion Ratio Lower Upper

64 100

66 29.5 22.3 41.3





#12

1,1-Dichloroethene

Concen: 4.162 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037922.D

Acq: 29 Apr 2020 19:14

Instrument :

MSVOA_U

ClientSampleId :

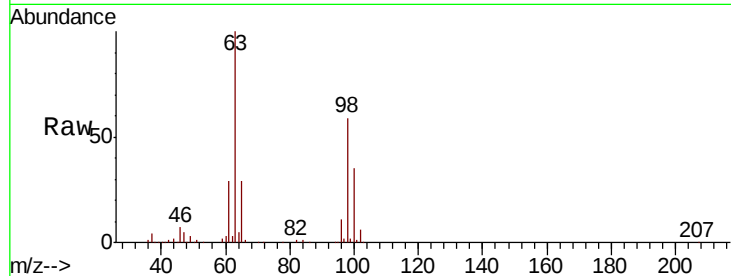
Tot Ion: 96 Resp: 17234

Ion Ratio Lower Upper

96 100

61 259.4 134.1 249.0#

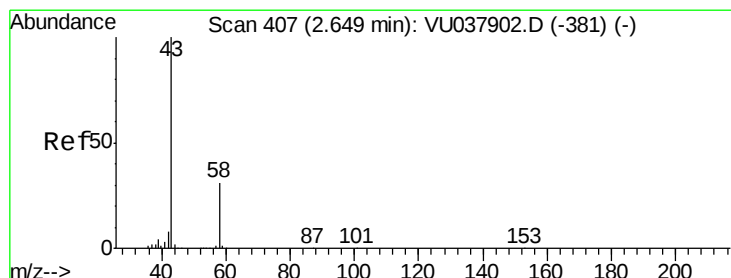
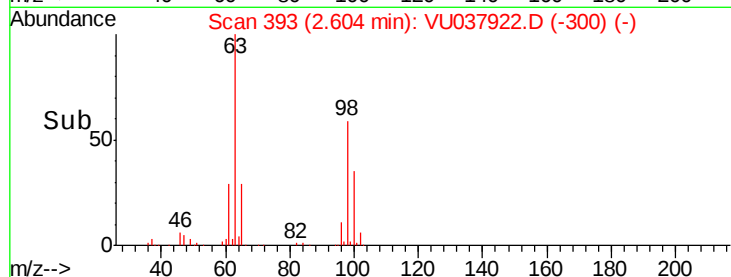
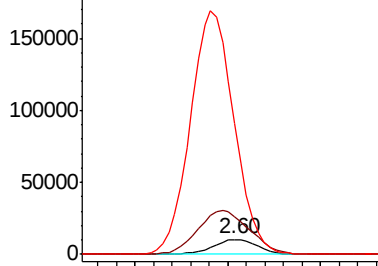
63 895.9 96.5 179.1#



Abundance Ion 96.00 (95.70 to 96.70): VU037922.D (-393) (-)

Ion 61.00 (60.70 to 61.70): VU037922.D (-393) (-)

Ion 63.00 (62.70 to 63.70): VU037922.D (-393) (-)



#13

Acetone

Concen: 1.902 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037922.D

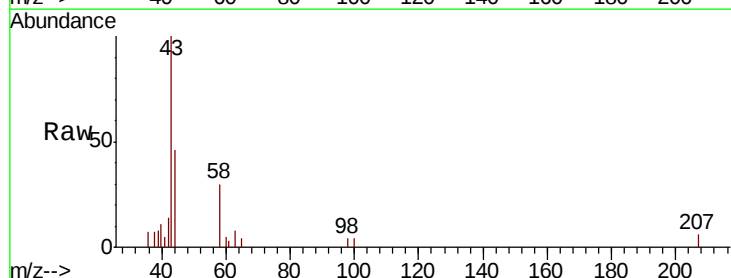
Acq: 29 Apr 2020 19:14

Tgt Ion: 43 Resp: 5358

Ion Ratio Lower Upper

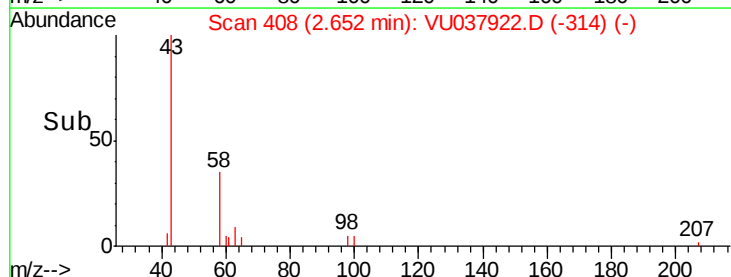
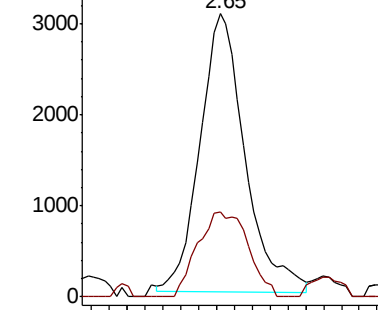
43 100

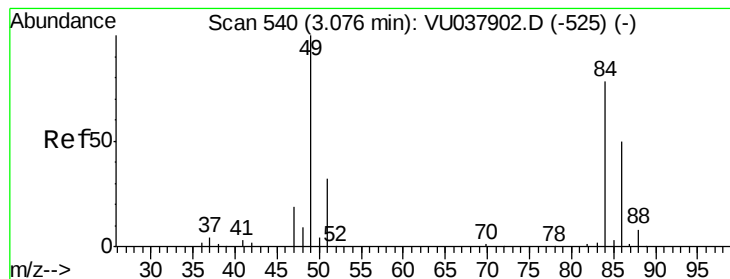
58 19.8 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU037922.D (-407) (-)

Ion 58.00 (57.70 to 58.70): VU037922.D (-407) (-)





#16

Methylene chloride

Concen: 14.023 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037922.D

Acq: 29 Apr 2020 19:14

Instrument :

MSVOA_U

ClientSampleId :

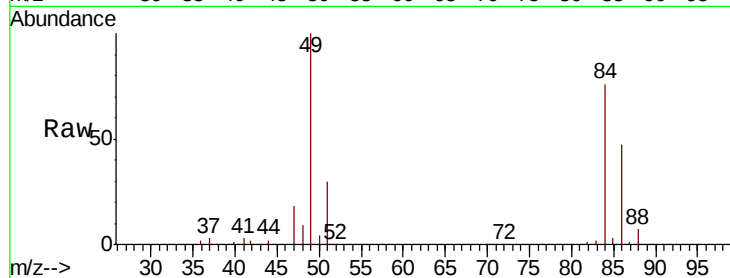
Tot Ion: 84 Resp: 69003

Ion Ratio Lower Upper

84 100

86 62.3 43.5 80.7

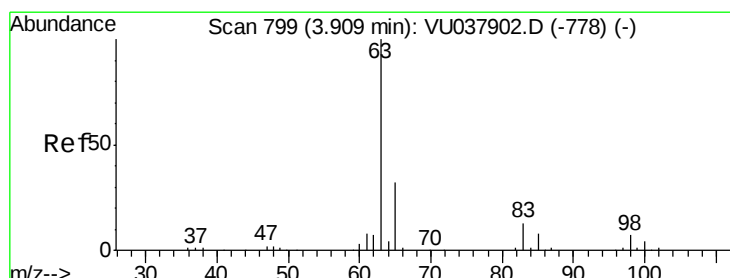
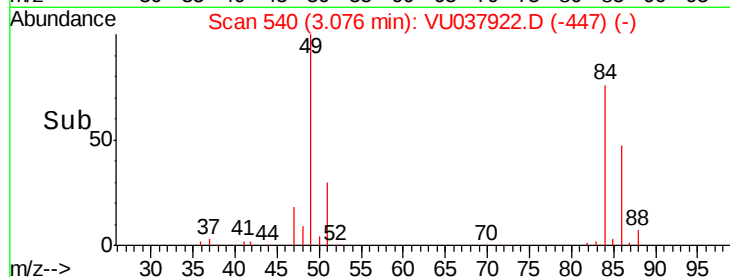
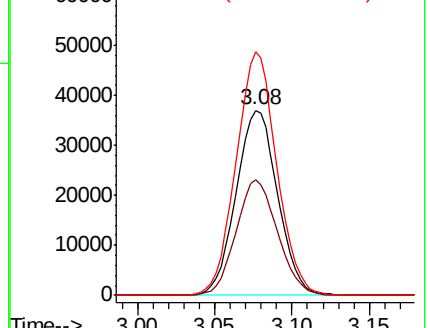
49 131.6 95.1 176.7



Abundance Ion 84.00 (83.70 to 84.70): VU037902.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU037902.D (-525) (-)

Ion 49.00 (48.70 to 49.70): VU037902.D (-525) (-)



#19

1,1-Dichloroethane

Concen: 15.386 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037922.D

Acq: 29 Apr 2020 19:14

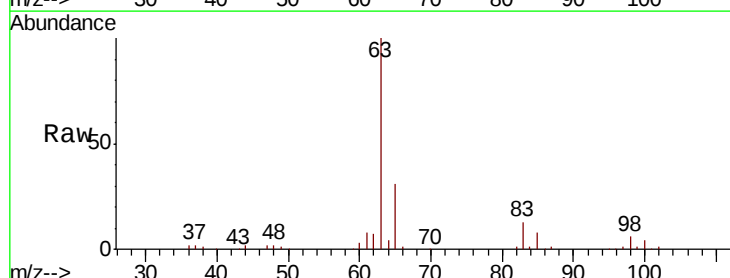
Tgt Ion: 63 Resp: 143599

Ion Ratio Lower Upper

63 100

65 31.4 22.2 41.2

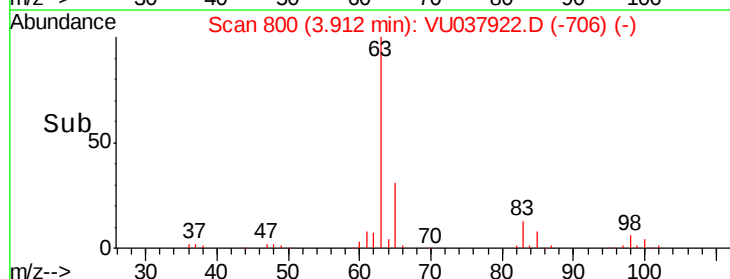
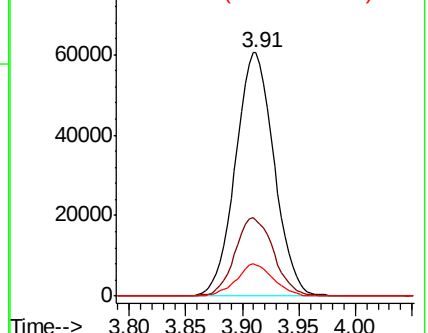
83 12.9 8.6 16.0

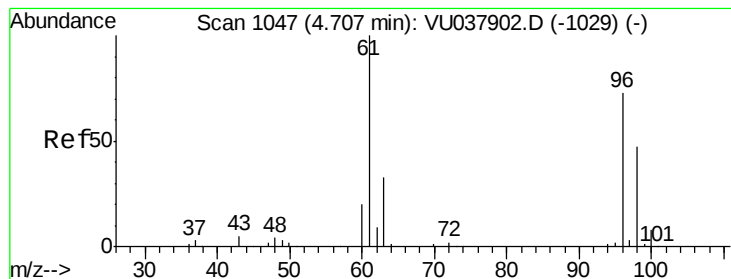


Abundance Ion 63.00 (62.70 to 63.70): VU037902.D (-778) (-)

Ion 65.00 (64.70 to 65.70): VU037902.D (-778) (-)

Ion 83.00 (82.70 to 83.70): VU037902.D (-778) (-)





#20

cis-1,2-Dichloroethene

Concen: 109.453 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037922.D

Acq: 29 Apr 2020 19:14

Instrument :
MSVOA_U
ClientSampled :

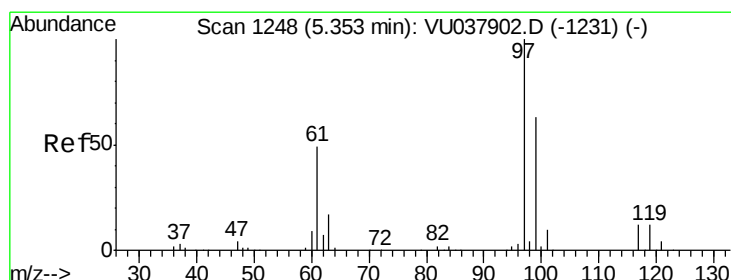
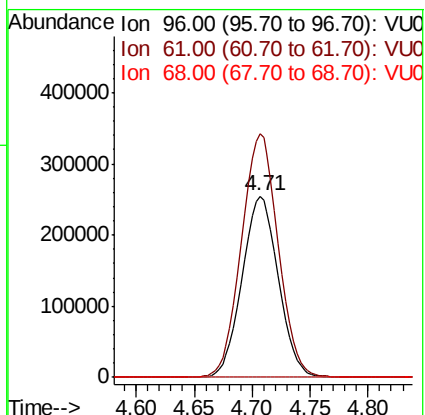
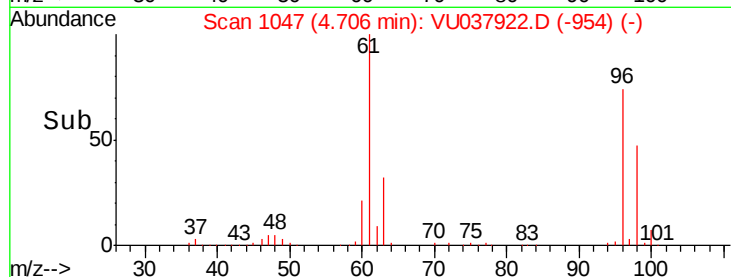
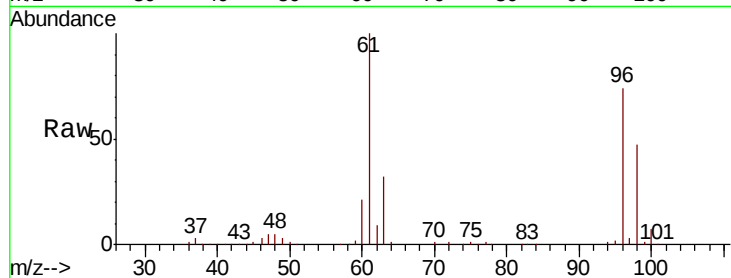
Tot Ion: 96 Resp: 554875

Ion Ratio Lower Upper

96 100

61 134.6 100.4 186.4

68 0.0 0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 21.018 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU037922.D

Acq: 29 Apr 2020 19:14

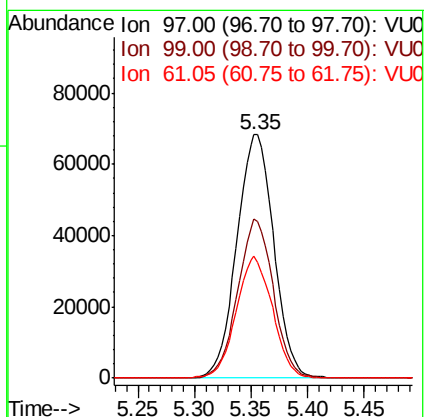
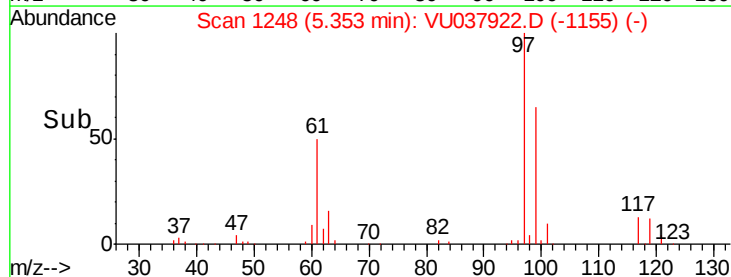
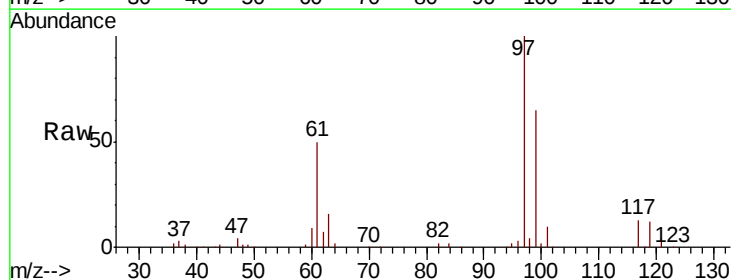
Tgt Ion: 97 Resp: 155679

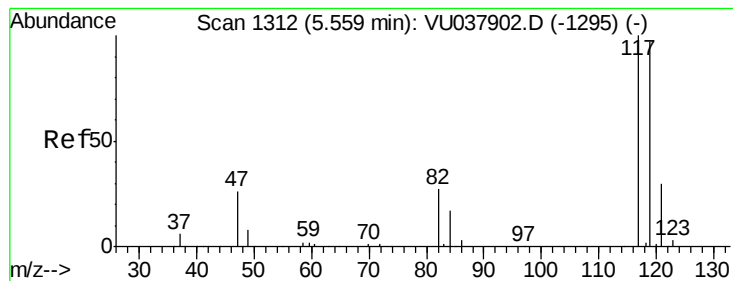
Ion Ratio Lower Upper

97 100

99 62.8 50.7 76.1

61 48.8 38.9 58.3





#31

Carbon tetrachloride

Concen: 3.349 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.21 min

Lab File: VU037922.D

Acq: 29 Apr 2020 19:14

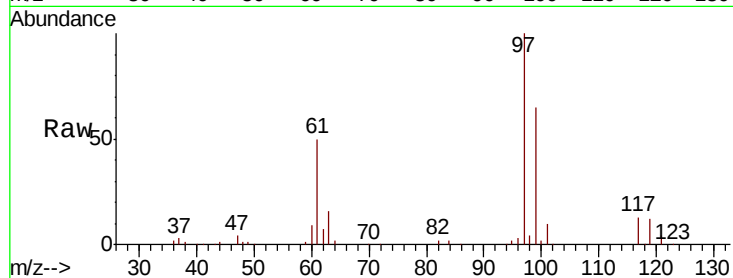
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 20056

Ion Ratio Lower Upper

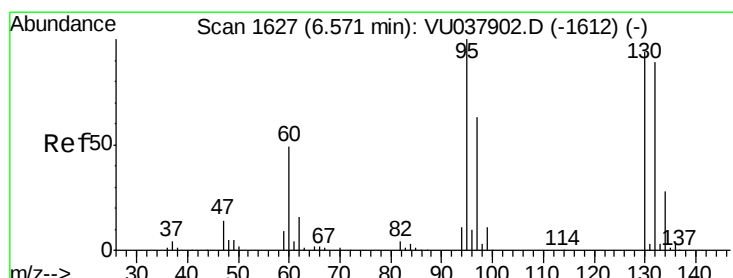
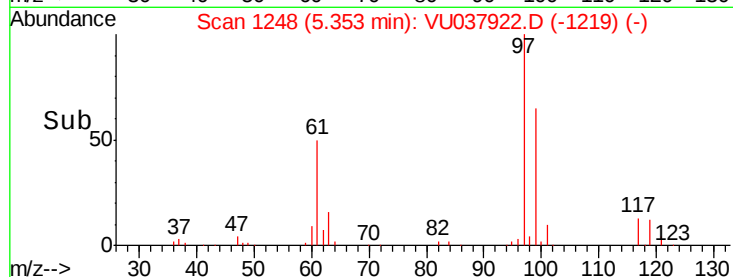
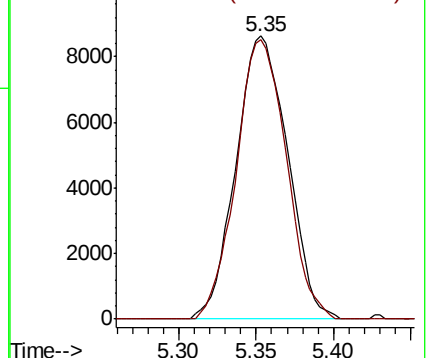
117 100

119 95.6 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 7.827 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037922.D

Acq: 29 Apr 2020 19:14

Tgt Ion: 95 Resp: 38648

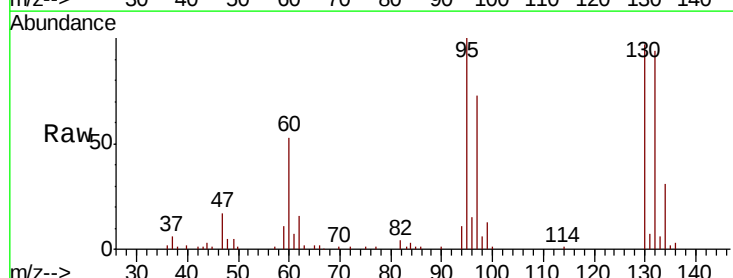
Ion Ratio Lower Upper

95 100

97 72.7 44.4 82.5

132 94.4 65.0 120.6

130 96.7 65.5 121.7

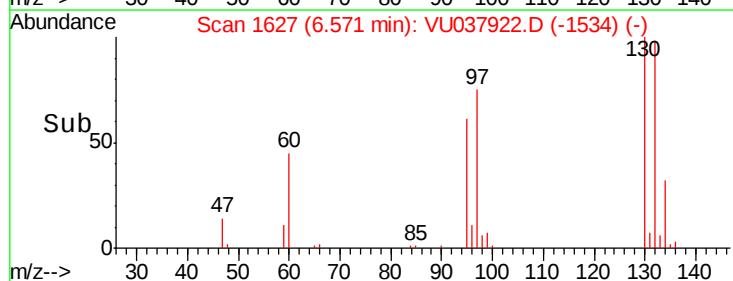
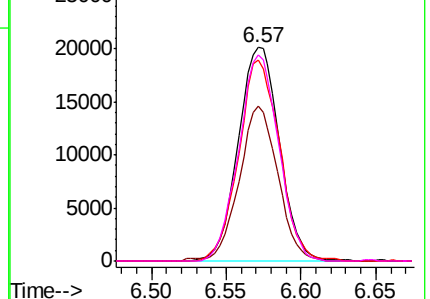


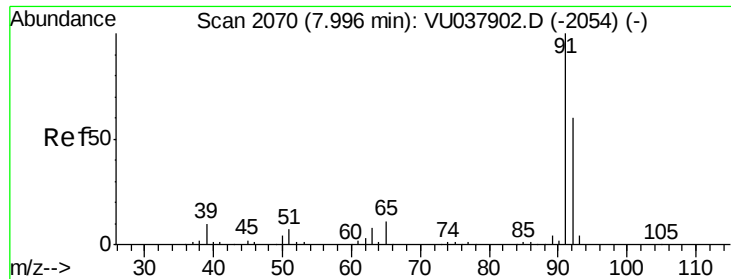
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#42

Toluene

Concen: 0.951 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037922.D

Acq: 29 Apr 2020 19:14

Instrument :

MSVOA_U

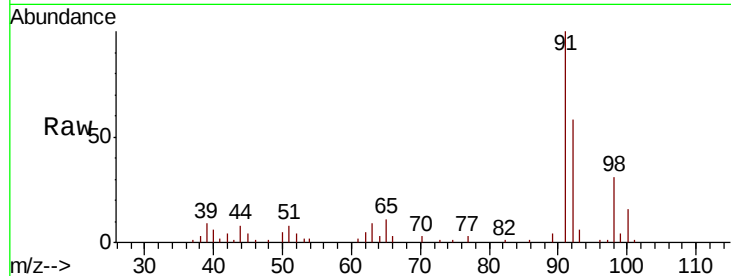
ClientSampleId :

Tot Ion: 91 Resp: 20069

Ion Ratio Lower Upper

91 100

92 57.9 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VU037902.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU037902.D (-2054) (-)

7.99

12000

10000

8000

6000

4000

2000

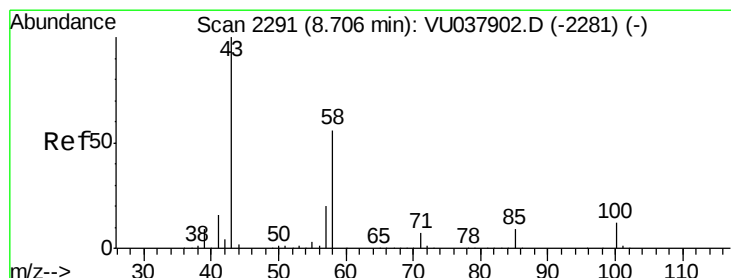
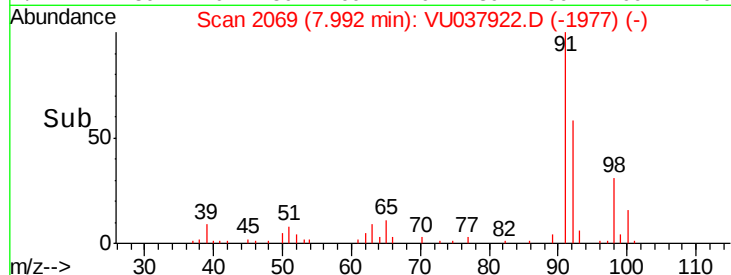
0

7.95

8.00

8.05

Time-->



#48

2-Hexanone

Concen: 4.979 ug/L

RT: 8.65 min Scan# 2275

Delta R.T. -0.05 min

Lab File: VU037922.D

Acq: 29 Apr 2020 19:14

Tgt Ion: 43 Resp: 37643

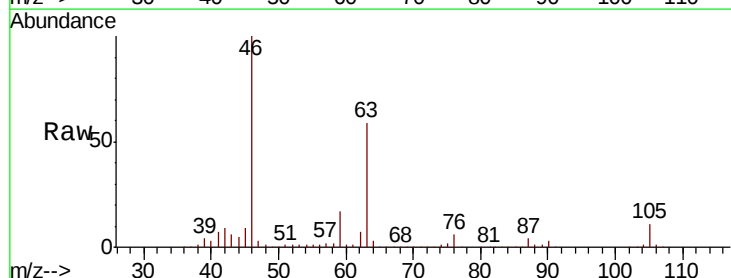
Ion Ratio Lower Upper

43 100

58 44.7 42.6 63.8

57 24.8 14.6 22.0#

100 0.3 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VU037902.D (-2281) (-)

Ion 58.00 (57.70 to 58.70): VU037902.D (-2281) (-)

Ion 57.00 (56.70 to 57.70): VU037902.D (-2281) (-)

Ion 100.00 (99.70 to 100.70): VU037902.D (-2281) (-)

8.65

30000

25000

20000

15000

10000

5000

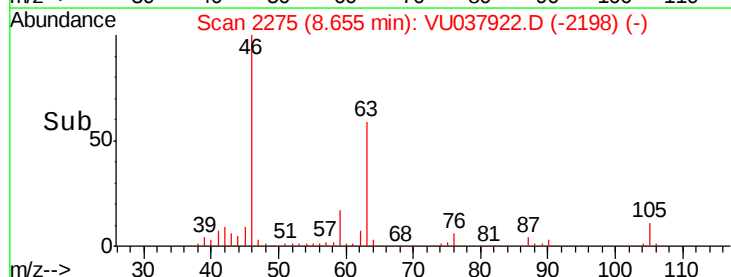
0

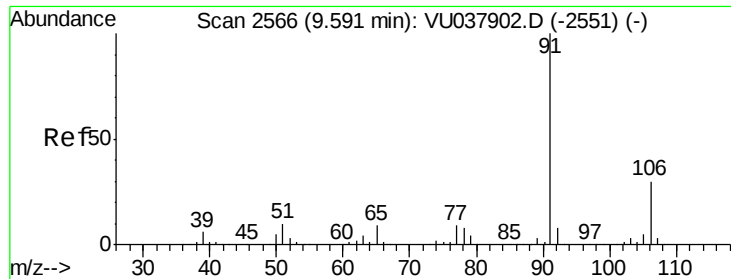
8.60

8.65

8.70

Time-->

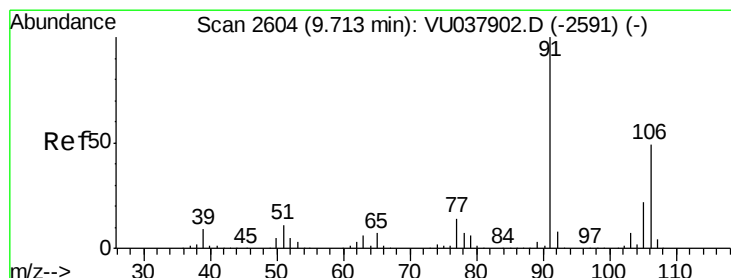
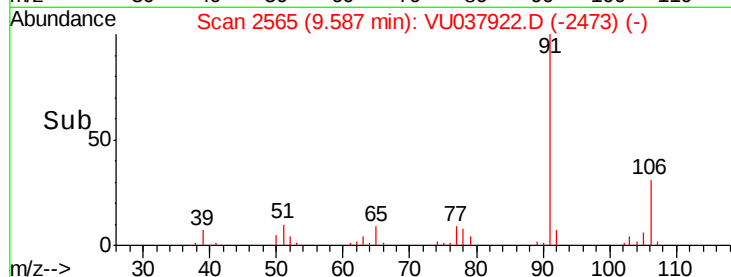
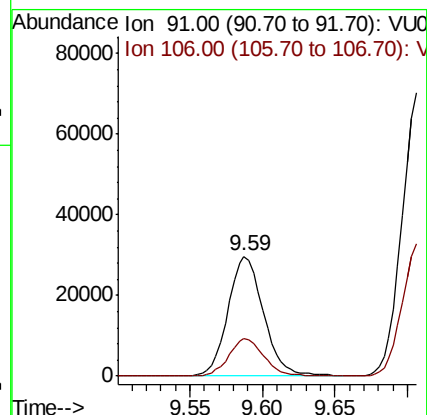
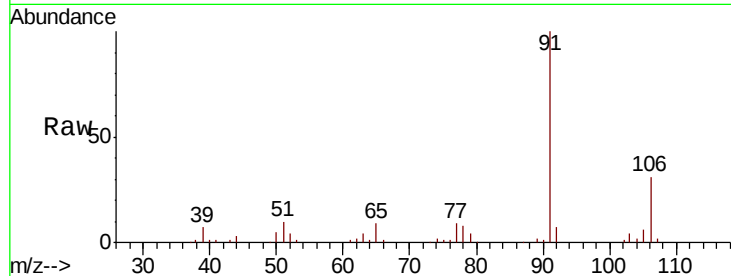




#52
Ethylbenzene
Concen: 2.141 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU037922.D
Acq: 29 Apr 2020 19:14

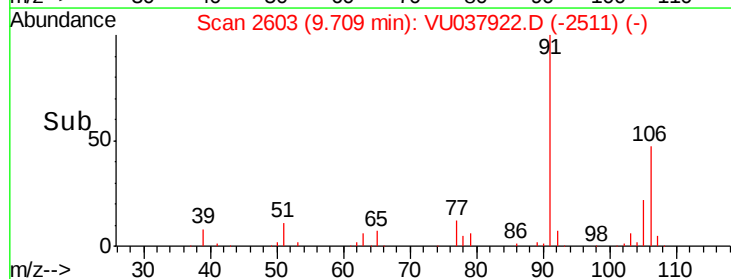
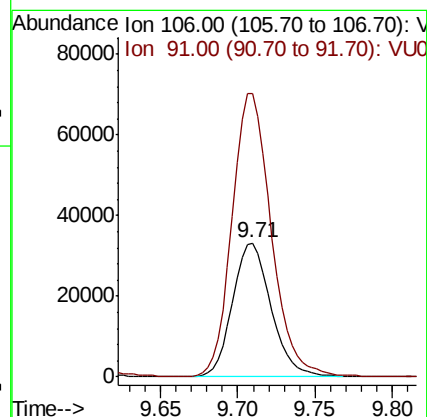
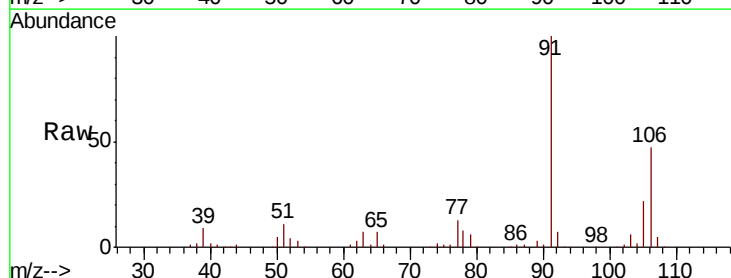
Instrument :
MSVOA_U
ClientSampled :

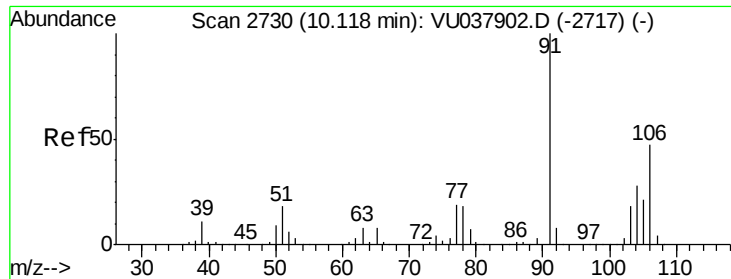
Tot Ion: 91 Resp: 50604
Ion Ratio Lower Upper
91 100
106 31.3 21.1 39.1



#53
m,p-Xylene
Concen: 6.475 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU037922.D
Acq: 29 Apr 2020 19:14

Tgt Ion: 106 Resp: 57619
Ion Ratio Lower Upper
106 100
91 211.6 142.8 265.2

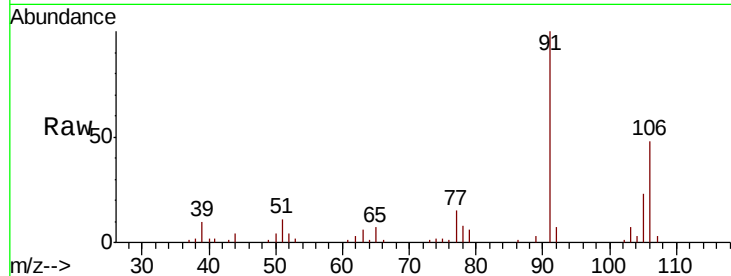




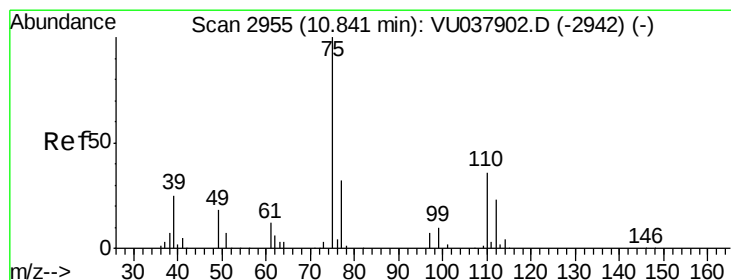
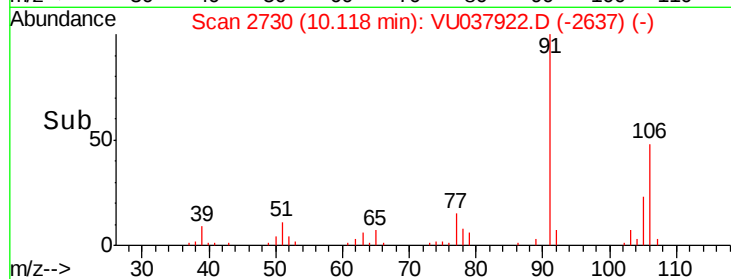
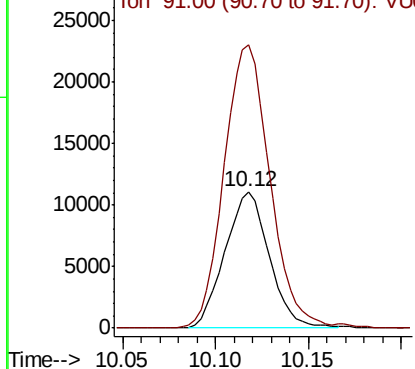
#54
o-xylene
Concen: 2.113 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037922.D
Acq: 29 Apr 2020 19:14

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 18391
Ion Ratio Lower Upper
106 100
91 207.2 150.6 279.6

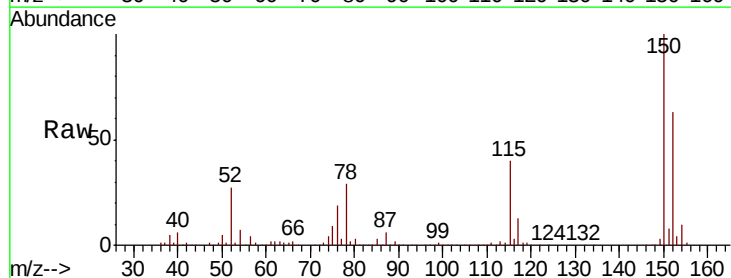


Abundance Ion 106.00 (105.70 to 106.70): VU037922.D (-2637) (-)
Ion 91.00 (90.70 to 91.70): VU037922.D (-2637) (-)

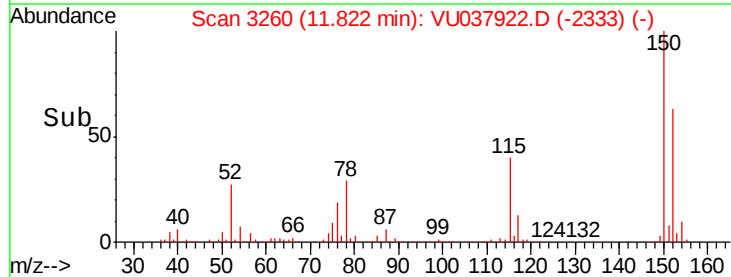
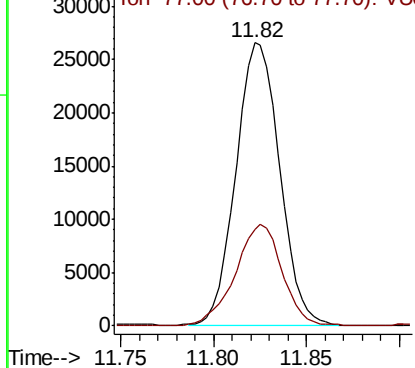


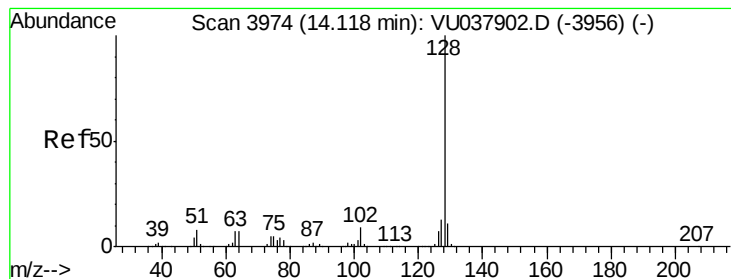
#59
1,2,3-Trichloropropane
Concen: 5.921 ug/L
RT: 11.82 min Scan# 3260
Delta R.T. 0.98 min
Lab File: VU037922.D
Acq: 29 Apr 2020 19:14

Tgt Ion: 75 Resp: 43730
Ion Ratio Lower Upper
75 100
77 38.4 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU037922.D (-2333) (-)
Ion 77.00 (76.70 to 77.70): VU037922.D (-2333) (-)





#69

Naphthalene

Concen: 2.765 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.01 min

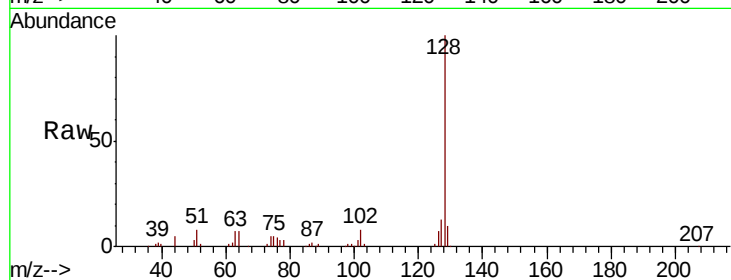
Lab File: VU037922.D

Acq: 29 Apr 2020 19:14

Instrument :

MSVOA_U

ClientSampleId :



Tot Ion:128 Resp: 67073

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

129 11.0 8.6 13.0

