

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041720\
 Data File : VU037774.D
 Acq On : 17 Apr 2020 14:40
 Operator : JC/MD
 Sample : L2296-05
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS91

Quant Time: Apr 18 03:11:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 01:19:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	269094	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	256779	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	128001	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	87715	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.93	69	77251	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.59	63	117085	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	4.67	46	291303	52.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.18%
24) Chloroform-d	5.10	84	149834	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.74	65	92331	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.76	84	328505	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.72	67	111884	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.92	98	296114	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	8.20	79	45328	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.65	63	248159	47.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.60%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	85642	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	112019	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	148336	5.231	ug/L 98
13) Acetone	2.66	43	4304	1.167	ug/L 87
14) Carbon disulfide	2.82	76	14177	0.209	ug/L 98
18) trans-1,2-Dichloroethene	3.38	96	3796	0.189	ug/L 87
19) 1,1-Dichloroethane	3.91	63	117666	3.022	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	100460	4.618	ug/L 99
25) Chloroform	5.13	83	21658	0.585	ug/L 98
27) 1,2-Dichloroethane	5.83	62	17512	0.700	ug/L 98
29) 1,1,1-Trichloroethane	5.35	97	11628	0.373	ug/L 99
30) Cyclohexane	5.42	56	9303	0.241	ug/L 96
33) Benzene	5.81	78	31319	0.369	ug/L 100
34) Trichloroethene	6.57	95	4292	0.206	ug/L 93
51) Chlorobenzene	9.47	112	58046	1.071	ug/L 97
54) o-Xylene	10.12	106	5916	0.161	ug/L 96
62) 1,3-Dichlorobenzene	11.76	146	4501	0.105	ug/L 87
63) 1,4-Dichlorobenzene	11.85	146	8844	0.206	ug/L 97
65) 1,2-Dichlorobenzene	12.23	146	4339	0.108	ug/L # 82

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 18 01:19:54 2020
Response via : Initial Calibration

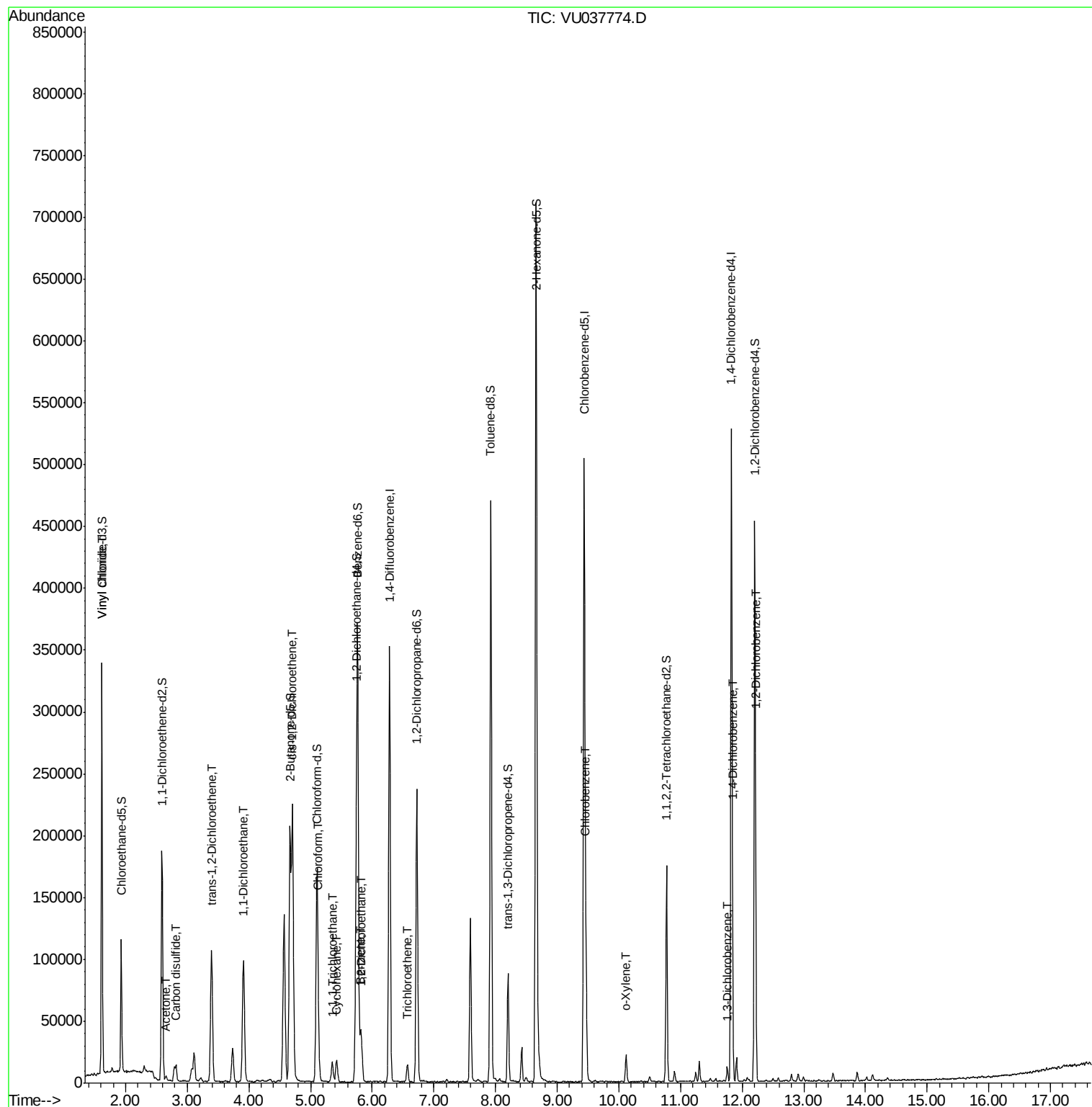
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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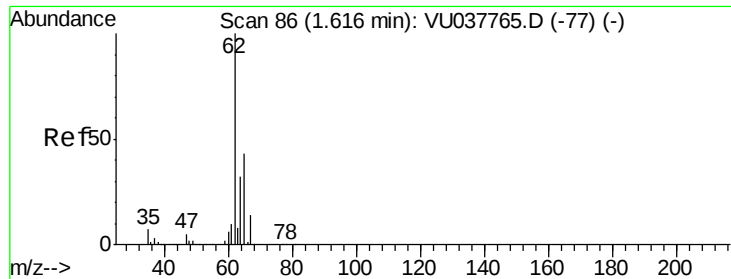
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU041720\
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QLast Update : Sat Apr 18 01:19:54 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.231 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037774.D

Acq: 17 Apr 2020 14:40

Instrument :

MSVOA_U

ClientSampleId :

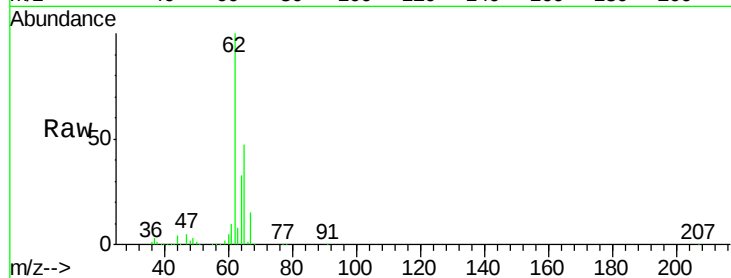
BFS91

Tot Ion: 62 Resp: 148336

Ion Ratio Lower Upper

62 100

64 32.5 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VU037774.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU037774.D (-1) (-)

1.62

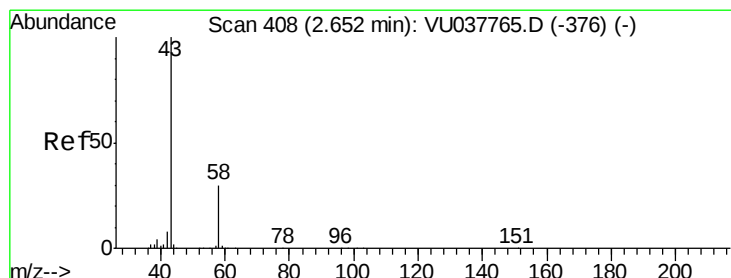
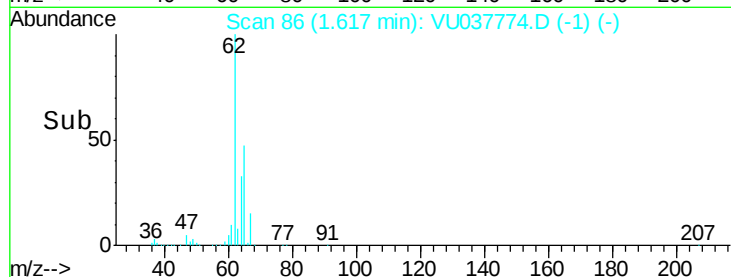
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#13

Acetone

Concen: 1.167 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037774.D

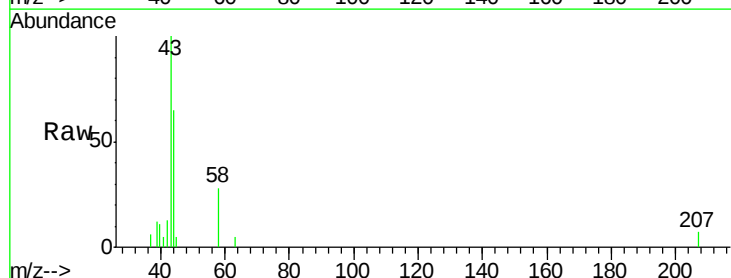
Acq: 17 Apr 2020 14:40

Tgt Ion: 43 Resp: 4304

Ion Ratio Lower Upper

43 100

58 25.3 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037774.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VU037774.D (-315) (-)

2.66

2500

2000

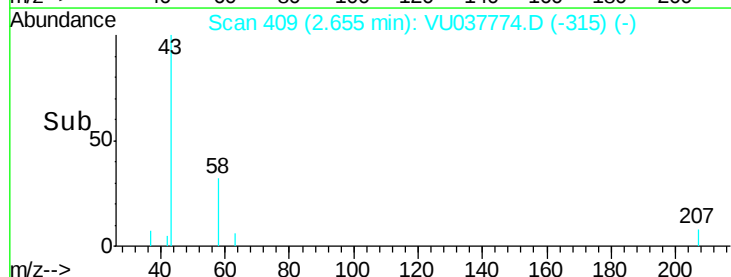
1500

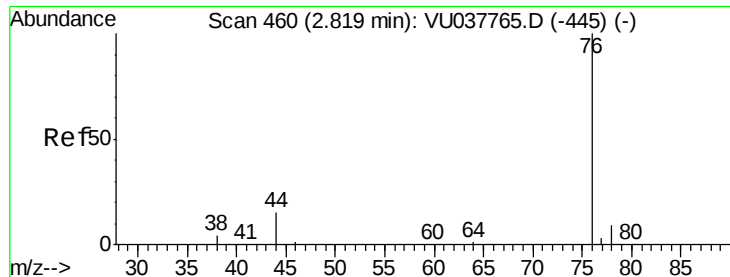
1000

500

0

Time--> 2.60 2.65 2.70





#14

Carbon disulfide

Concen: 0.209 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037774.D

Acq: 17 Apr 2020 14:40

Instrument :

MSVOA_U

ClientSampleId :

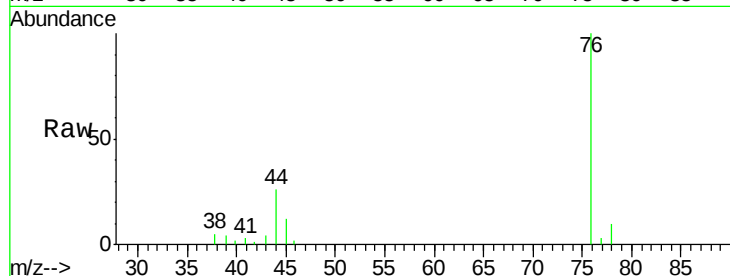
BFS91

Tot Ion: 76 Resp: 14177

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU037765.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU037765.D (-445) (-)

2.82

8000

6000

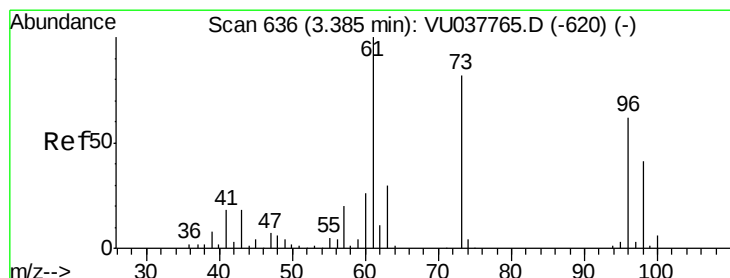
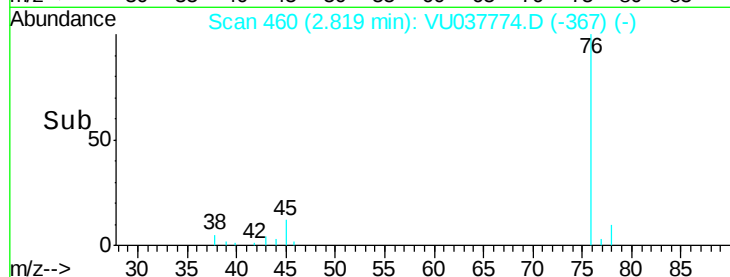
4000

2000

0

Time-->

2.75 2.80 2.85



#18

trans-1,2-Dichloroethene

Concen: 0.189 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU037774.D

Acq: 17 Apr 2020 14:40

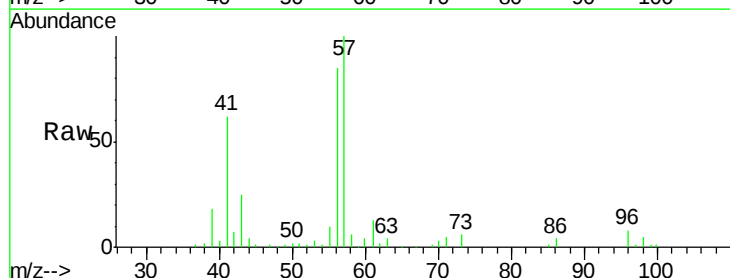
Tgt Ion: 96 Resp: 3796

Ion Ratio Lower Upper

96 100

61 172.7 106.7 198.3

98 68.3 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU037765.D (-620) (-)

Ion 61.05 (60.75 to 61.75): VU037765.D (-620) (-)

Ion 97.95 (97.65 to 98.65): VU037765.D (-620) (-)

3.38

4000

3000

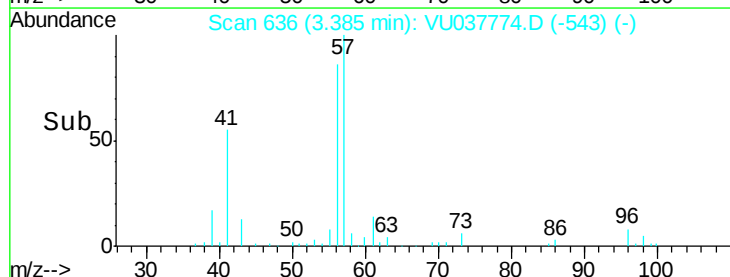
2000

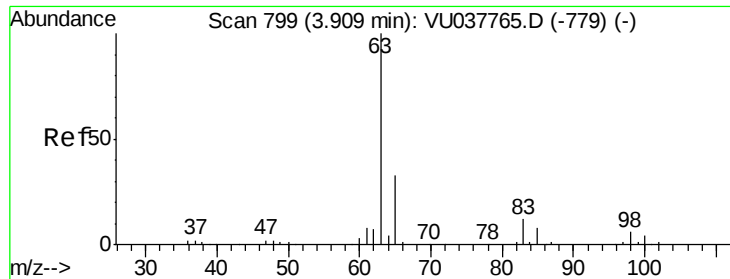
1000

0

Time-->

3.35 3.40 3.45





#19

1,1-Dichloroethane

Concen: 3.022 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037774.D

Acq: 17 Apr 2020 14:40

Instrument :

MSVOA_U

ClientSampleId :

BFS91

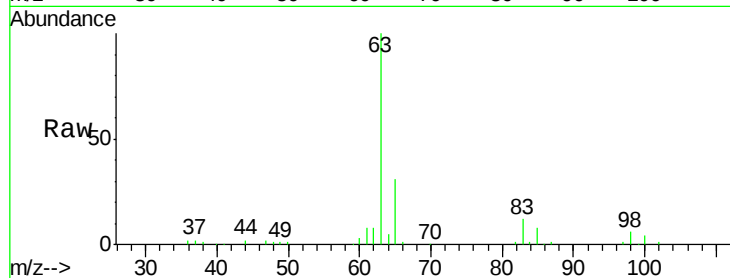
Tot Ion: 63 Resp: 117666

Ion Ratio Lower Upper

63 100

65 30.8 21.6 40.2

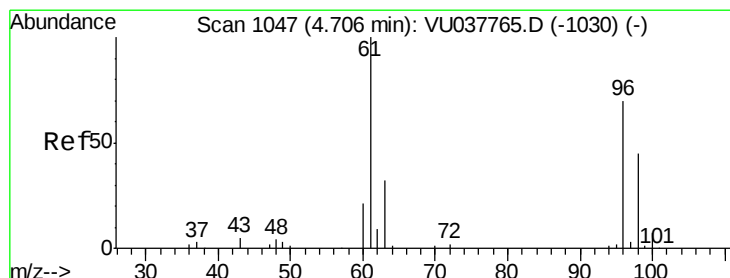
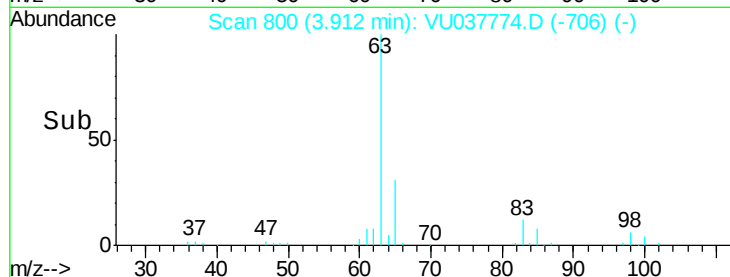
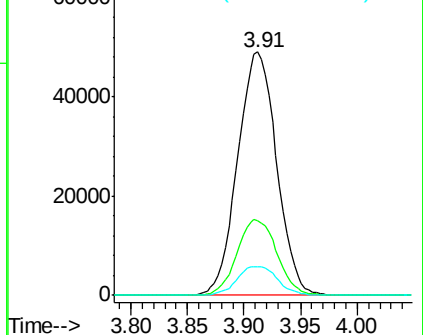
83 11.7 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU037774.D (-779) (-)

Ion 65.10 (64.80 to 65.80): VU037774.D (-779) (-)

Ion 83.05 (82.75 to 83.75): VU037774.D (-779) (-)



#22

cis-1,2-Dichloroethene

Concen: 4.618 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037774.D

Acq: 17 Apr 2020 14:40

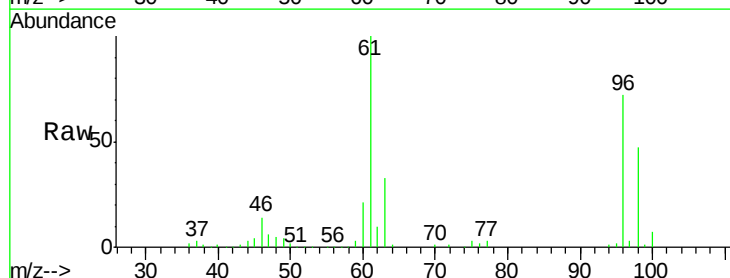
Tgt Ion: 96 Resp: 100460

Ion Ratio Lower Upper

96 100

61 139.4 97.0 180.2

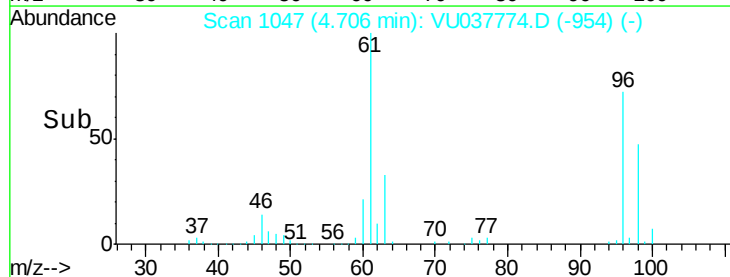
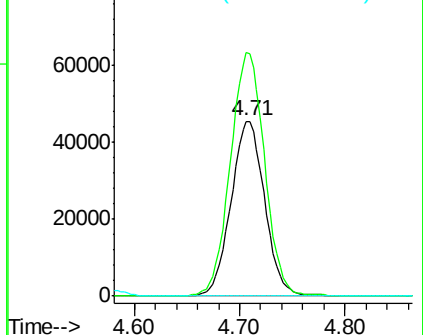
68 0.0 0.0 0.0

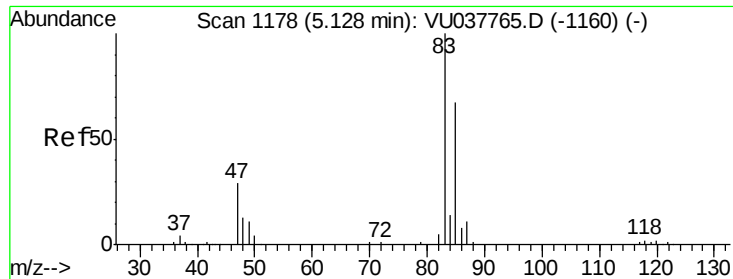


Abundance Ion 96.00 (95.70 to 96.70): VU037774.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU037774.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU037774.D (-954) (-)

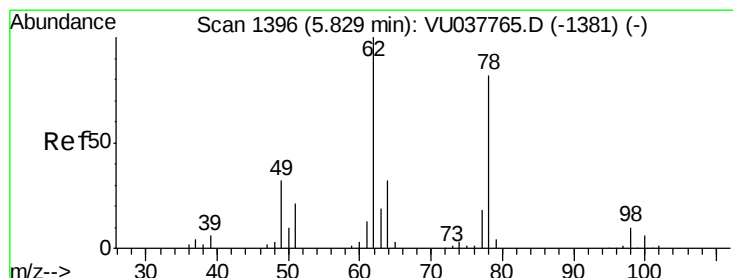
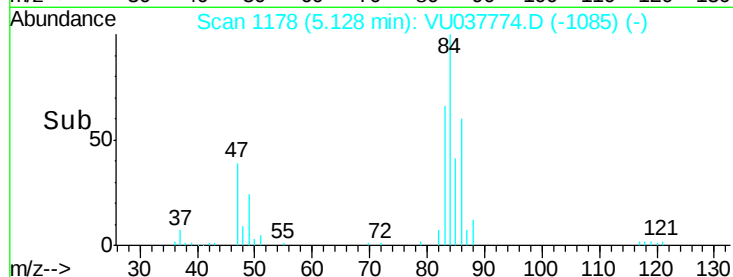
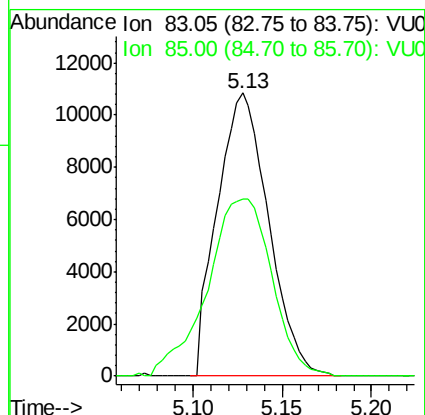
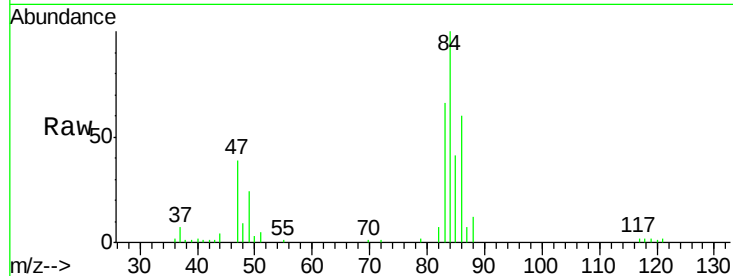




#25
Chloroform
Concen: 0.585 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037774.D
Acq: 17 Apr 2020 14:40

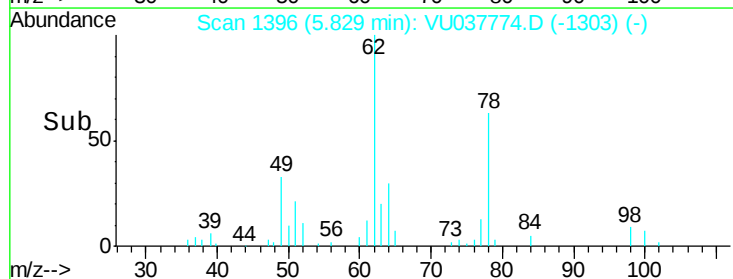
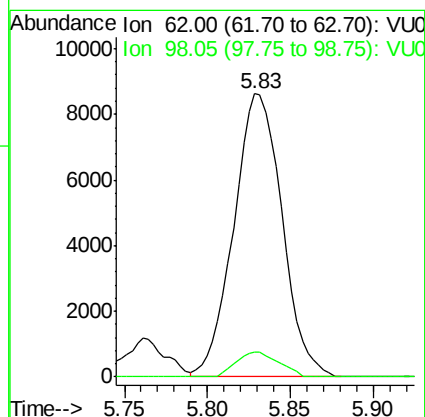
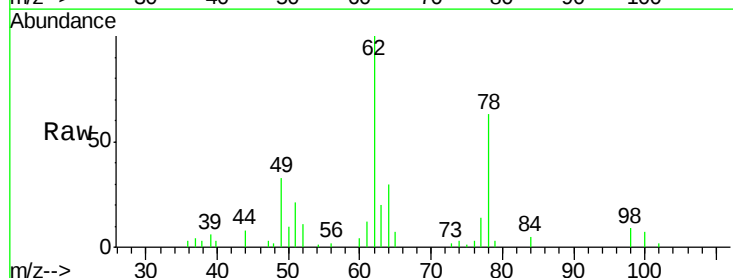
Instrument :
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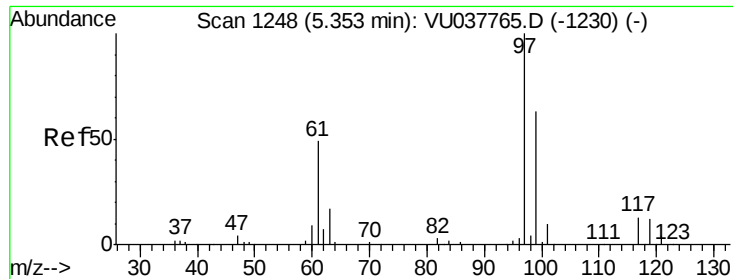
Tot Ion: 83 Resp: 21658
Ion Ratio Lower Upper
83 100
85 62.5 44.9 83.3



#27
1,2-Dichloroethane
Concen: 0.700 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU037774.D
Acq: 17 Apr 2020 14:40

Tgt Ion: 62 Resp: 17512
Ion Ratio Lower Upper
62 100
98 8.8 7.6 11.4

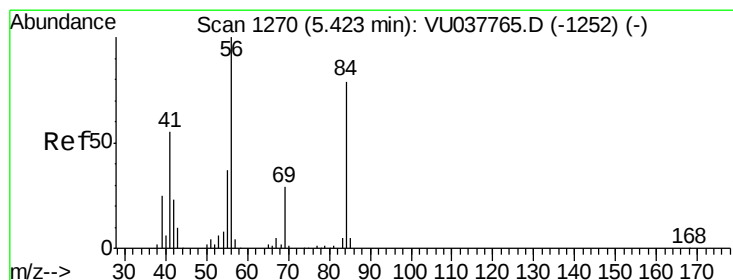
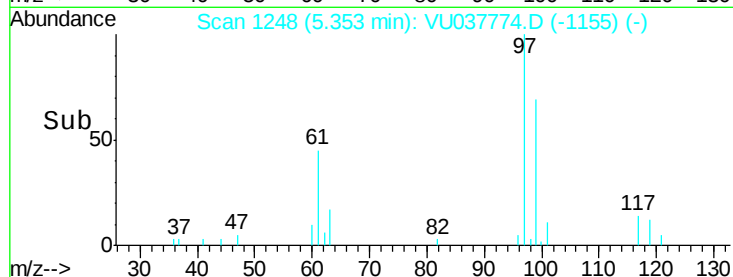
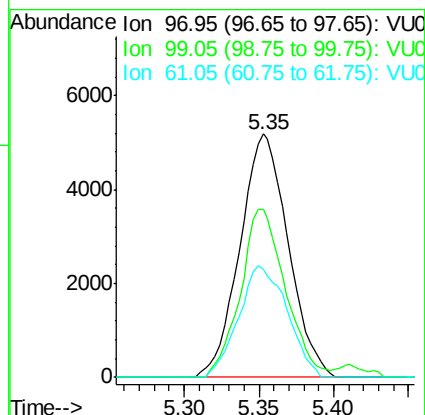
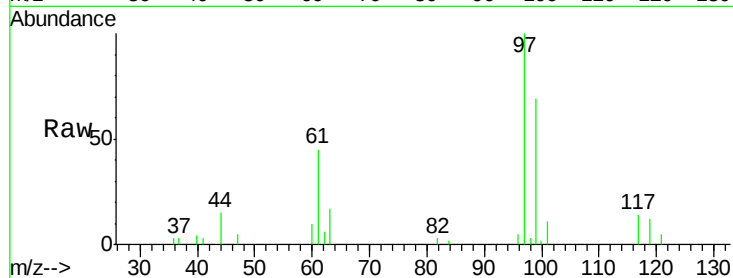




#29
 1,1,1-Trichloroethane
 Concen: 0.373 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU037774.D
 Acq: 17 Apr 2020 14:40

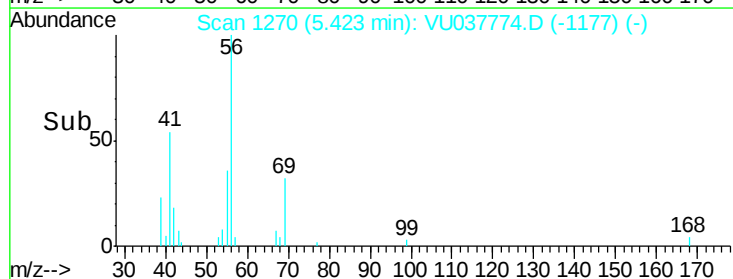
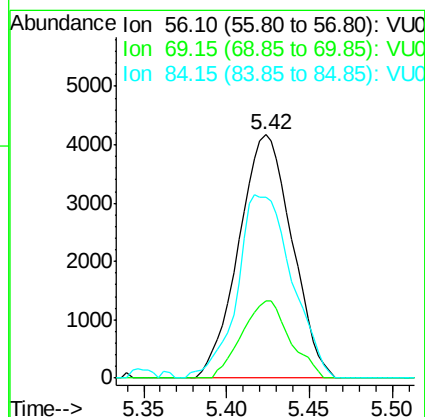
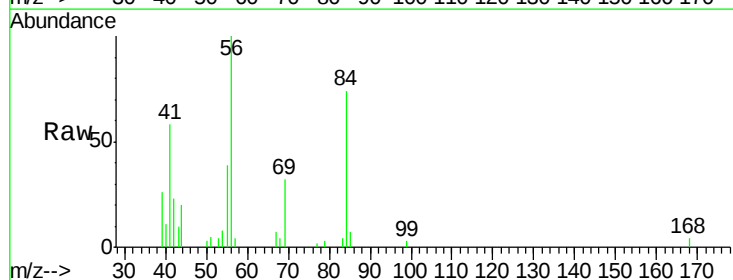
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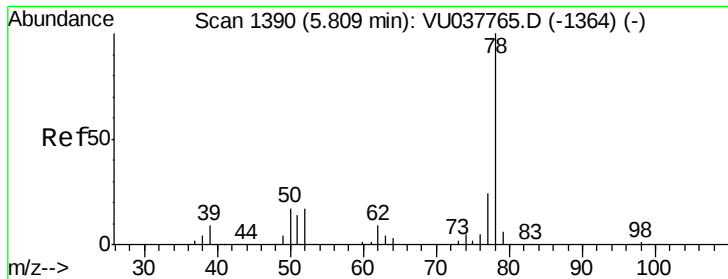
Tot Ion: 97 Resp: 11628
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.0 78.0
 61 46.0 37.8 56.8



#30
 Cyclohexane
 Concen: 0.241 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU037774.D
 Acq: 17 Apr 2020 14:40

Tgt Ion: 56 Resp: 9303
 Ion Ratio Lower Upper
 56 100
 69 28.4 23.9 35.9
 84 77.4 65.6 98.4





#33

Benzene

Concen: 0.369 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037774.D

Acq: 17 Apr 2020 14:40

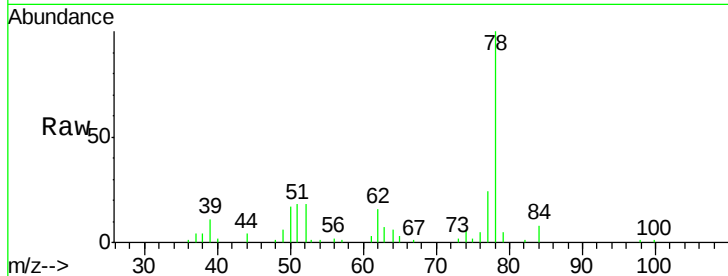
Instrument :

MSVOA_U

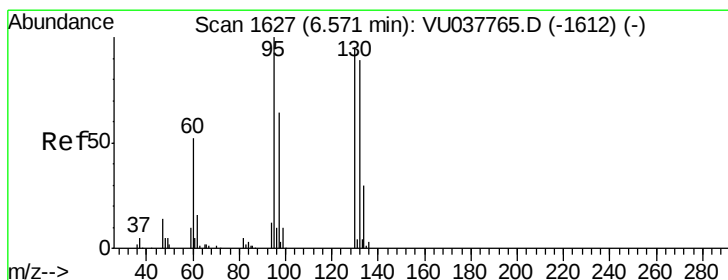
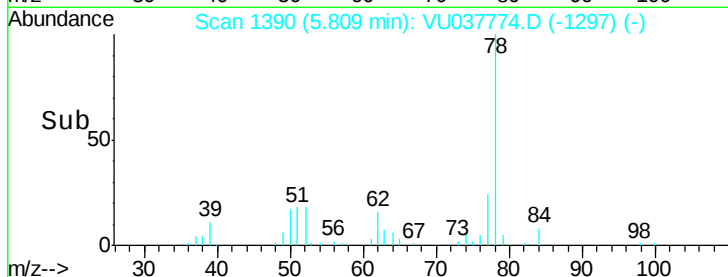
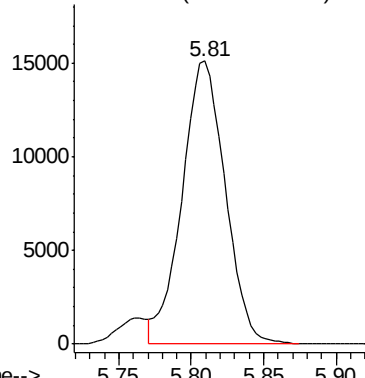
ClientSampled :

BFS91

Tgt Ion: 78 Resp: 31319



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.206 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037774.D

Acq: 17 Apr 2020 14:40

Tgt Ion: 95 Resp: 4292

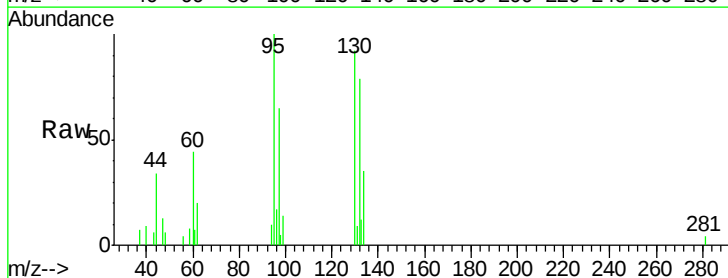
Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.4	84.2
132	79.1	63.7	118.3
130	92.1	68.7	127.5

Ion 95.00 (94.70 to 95.70): VU0

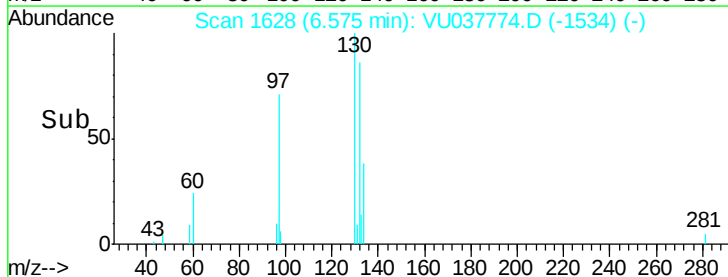
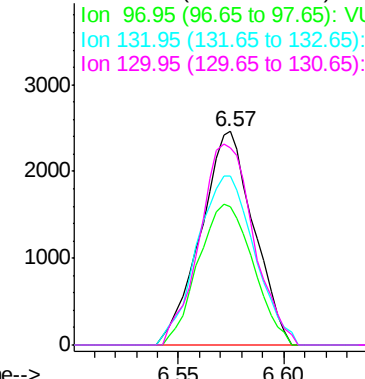
Ion 96.95 (96.65 to 97.65): VU0

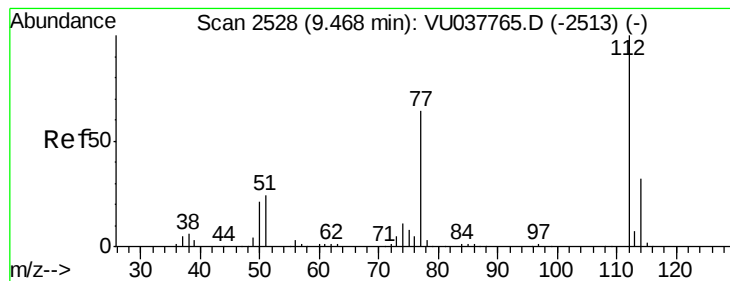
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



Abundance Ion 95.00 (94.70 to 95.70): VU0





#51

Chlorobenzene

Concen: 1.071 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU037774.D

Acq: 17 Apr 2020 14:40

Instrument :

MSVOA_U

ClientSampleId :

BFS91

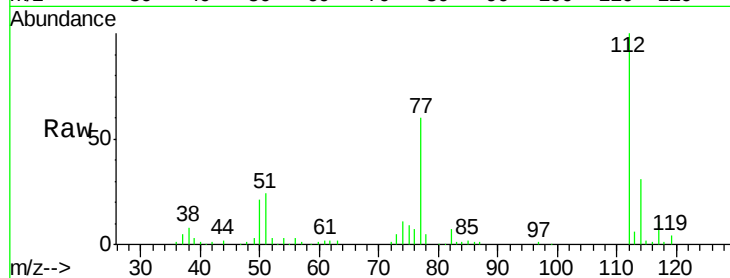
Tot Ion:112 Resp: 58046

Ion Ratio Lower Upper

112 100

114 31.0 22.6 42.0

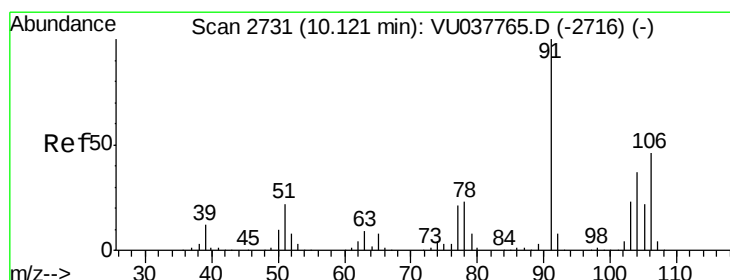
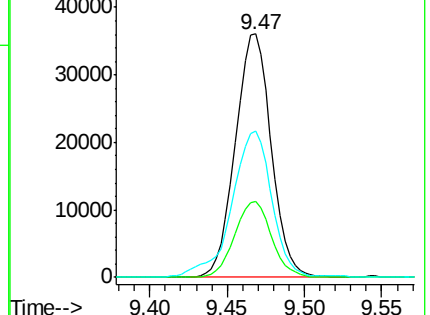
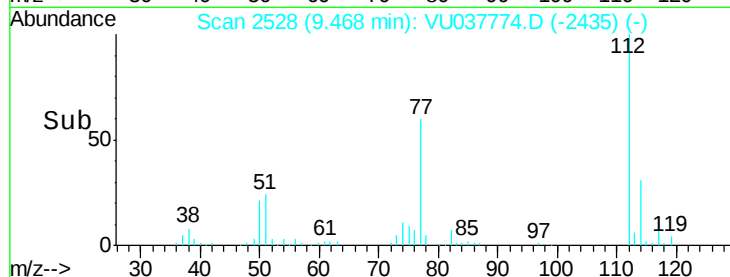
77 60.0 50.2 75.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#54

o-Xylene

Concen: 0.161 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU037774.D

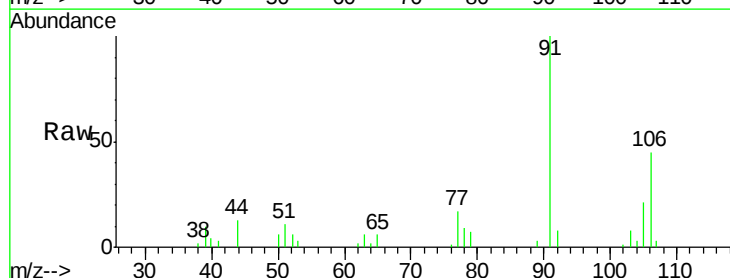
Acq: 17 Apr 2020 14:40

Tgt Ion:106 Resp: 5916

Ion Ratio Lower Upper

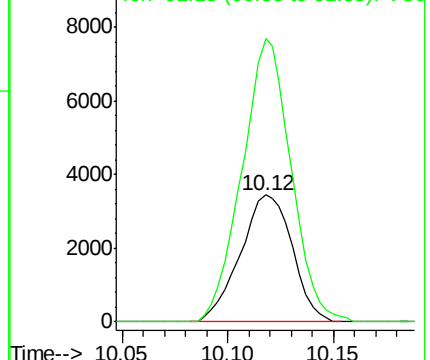
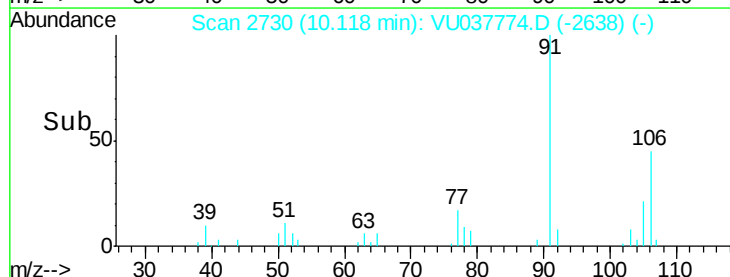
106 100

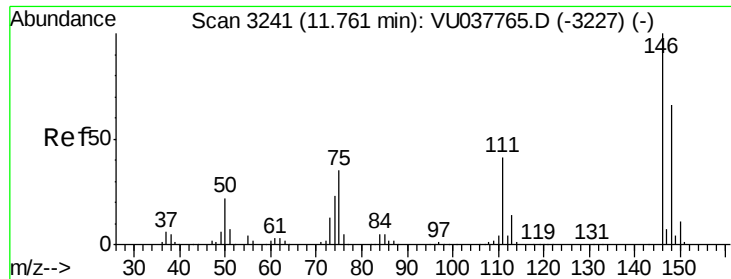
91 222.9 151.1 280.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): V

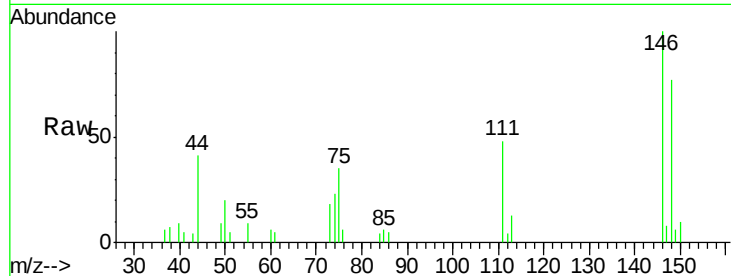




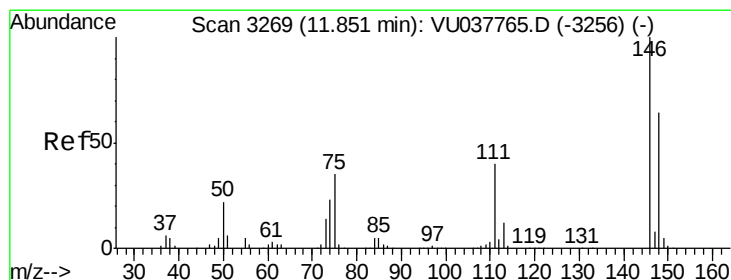
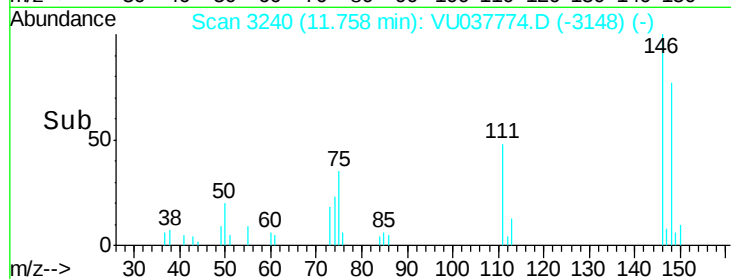
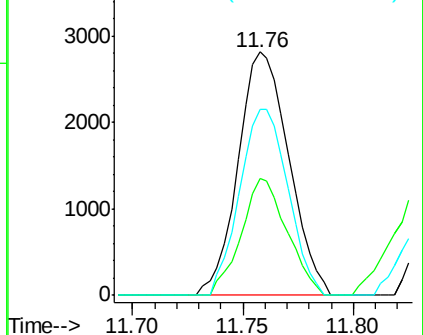
#62
 1,3-Dichlorobenzene
 Concen: 0.105 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU037774.D
 Acq: 17 Apr 2020 14:40

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS91

Tot Ion:146 Resp: 4501
 Ion Ratio Lower Upper
 146 100
 111 47.9 29.8 55.3
 148 76.6 44.5 82.7

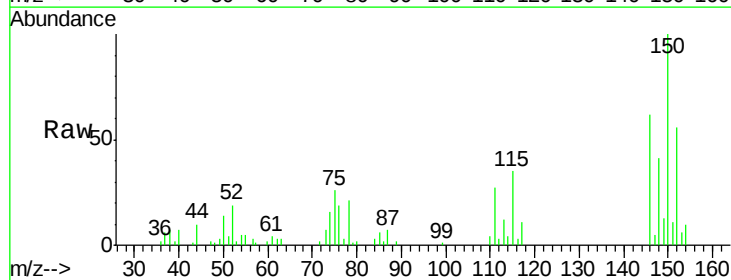


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

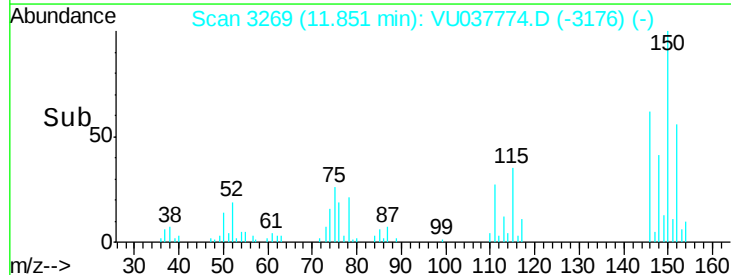
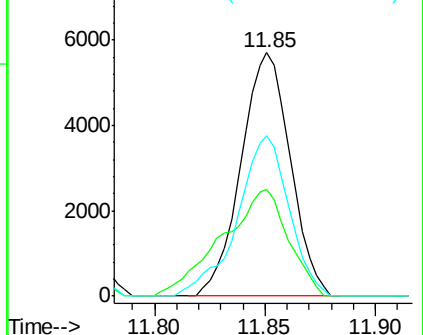


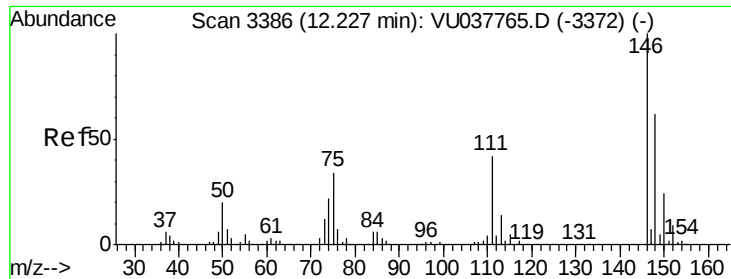
#63
 1,4-Dichlorobenzene
 Concen: 0.206 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037774.D
 Acq: 17 Apr 2020 14:40

Tgt Ion:146 Resp: 8844
 Ion Ratio Lower Upper
 146 100
 111 43.6 28.4 52.8
 148 65.7 44.9 83.3



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65
 1,2-Dichlorobenzene
 Concen: 0.108 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037774.D
 Acq: 17 Apr 2020 14:40

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS91

Tot Ion:146 Resp: 4339
 Ion Ratio Lower Upper
 146 100
 111 51.0 35.0 52.6
 148 81.9 51.5 77.3#

