

Data File : VU025719.D
Acq On : 30 Jul 2018 13:54
Operator : MD/SY
Sample : J4113-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LC-SD-EB04-180720

Quant Time: Aug 07 06:00:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 00:49:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	185224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	288075	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	279277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167471	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	138379	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	4.89	113	119226	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
50) Toluene-d8	7.57	98	414687	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	10.31	95	157423	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	

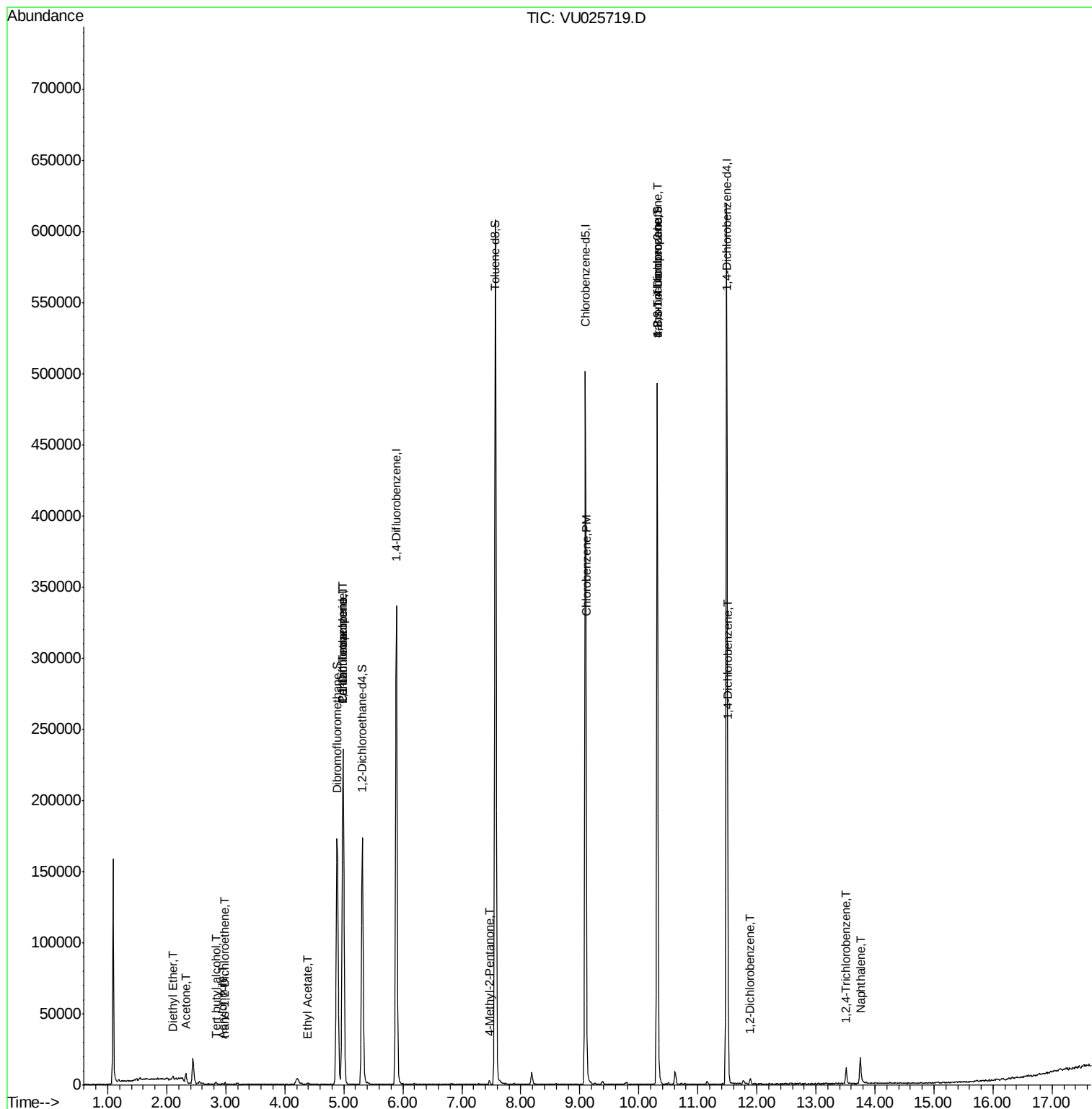
Target Compounds			Qvalue			
8) Diethyl Ether	2.10	74	826	0.627 ug/l		94
11) Tert butyl alcohol	2.83	59	1446	2.289 ug/l #		81
13) Acrolein	2.20	56	45	Below Cal	#	1
15) Acrylonitrile	2.94	53	349	0.277 ug/l #		33
16) Acetone	2.32	43	6726	4.780 ug/l		96
21) trans-1,2-Dichloroethene	2.98	96	536	0.233 ug/l #		64
31) Cyclohexane	4.99	56	3422	Below Cal	#	23
36) 1,1-Dichloropropene	4.99	75	12967	3.852 ug/l #		51
37) Ethyl Acetate	4.40	43	1324	0.379 ug/l #		69
38) Carbon Tetrachloride	4.99	117	17562	4.606 ug/l #		16
51) 4-Methyl-2-Pentanone	7.46	43	2196	0.608 ug/l		93
65) Chlorobenzene	9.11	112	1838	0.255 ug/l #		87
76) 1,2,3-Trichloropropane	10.31	75	82846	22.452 ug/l #		36
81) trans-1,4-Dichloro-2-buten	10.31	75	82846	56.298 ug/l #		100
88) 1,4-Dichlorobenzene	11.51	146	3414	0.560 ug/l #		57
91) 1,2-Dichlorobenzene	11.89	146	1697	0.296 ug/l		96
93) 1,2,4-Trichlorobenzene	13.51	180	4003	1.034 ug/l		90
95) Naphthalene	13.75	128	20258	2.839 ug/l		96

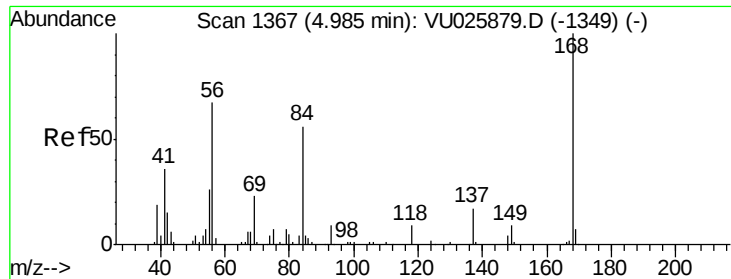
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025719.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

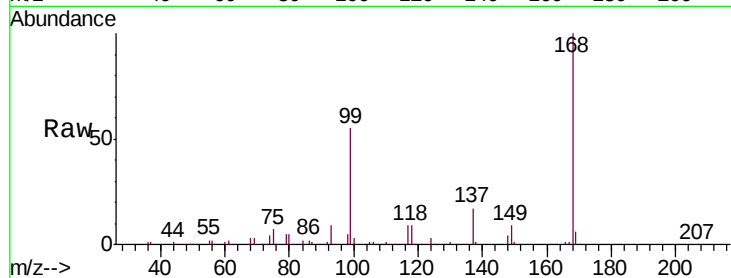
LC-SD-EB04-180720

Tgt Ion:168 Resp: 185224

Ion Ratio Lower Upper

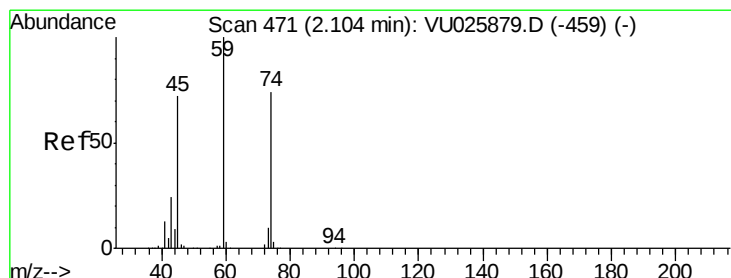
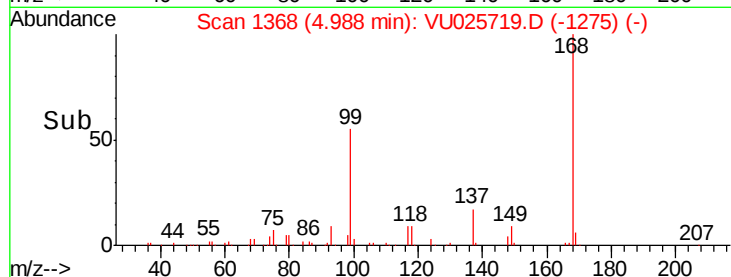
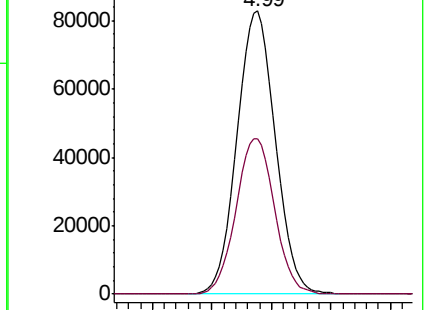
168 100

99 54.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025719.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025719.D (-1275) (-)



#8

Diethyl Ether

Concen: 0.627 ug/l

RT: 2.10 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU025719.D

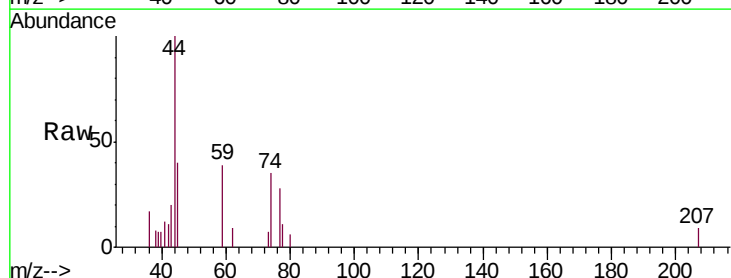
Acq: 30 Jul 2018 13:54

Tgt Ion: 74 Resp: 826

Ion Ratio Lower Upper

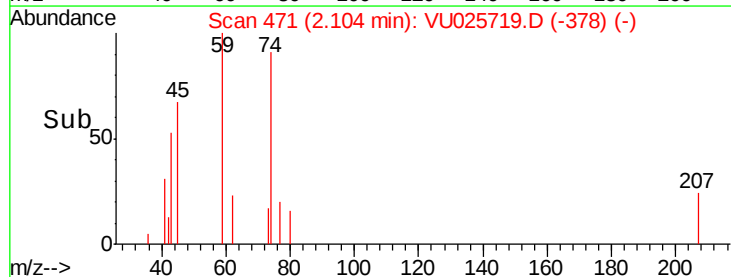
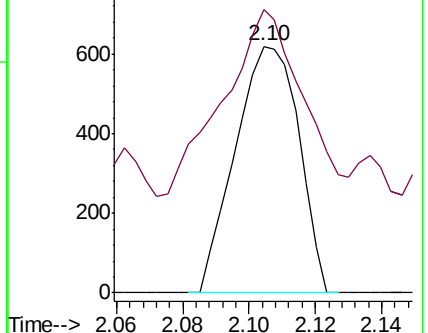
74 100

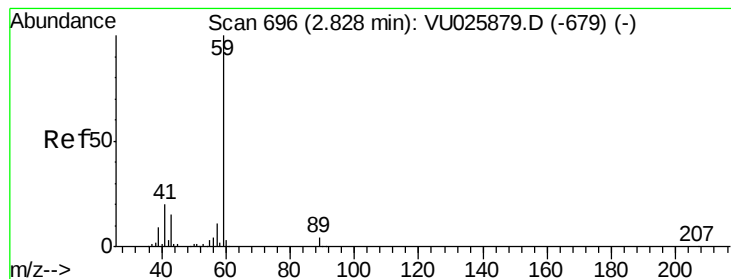
45 90.7 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU025719.D (-378) (-)

Ion 45.00 (44.70 to 45.70): VU025719.D (-378) (-)



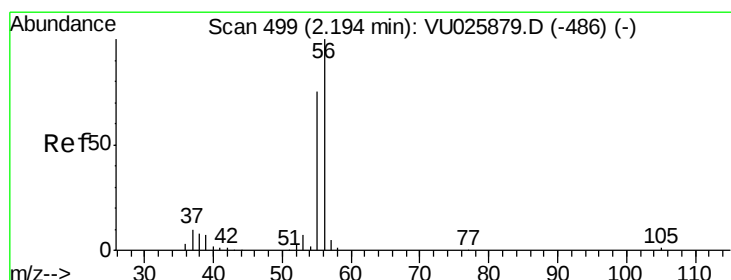
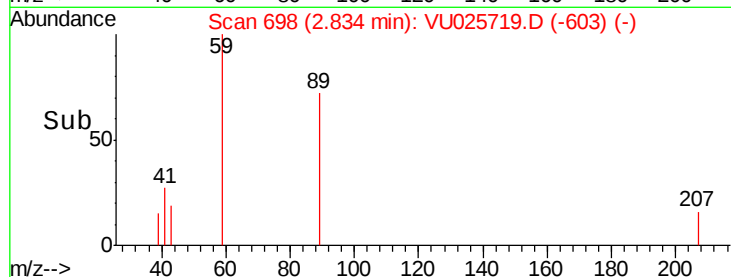
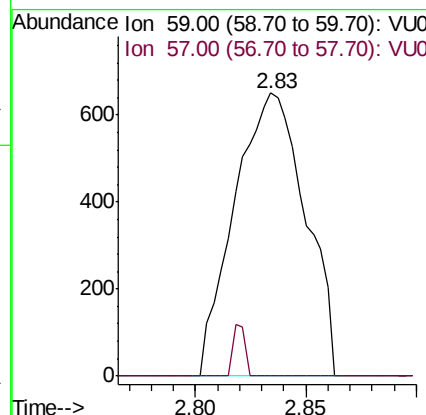
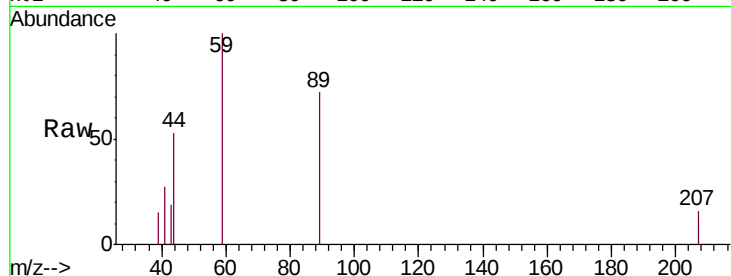


#11

Tert butyl alcohol
 Concen: 2.289 ug/l
 RT: 2.83 min Scan# 698
 Delta R.T. 0.01 min
 Lab File: VU025719.D
 Acq: 30 Jul 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 LC-SD-EB04-180720

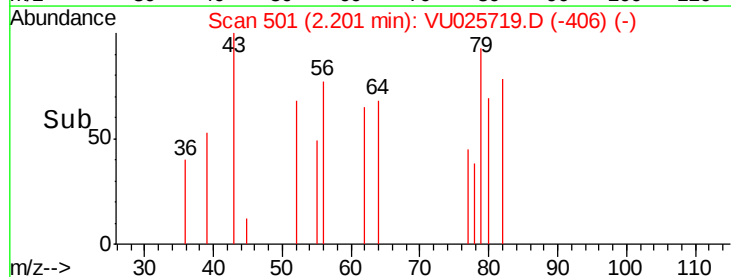
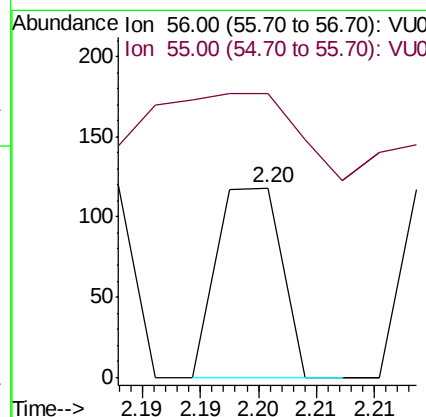
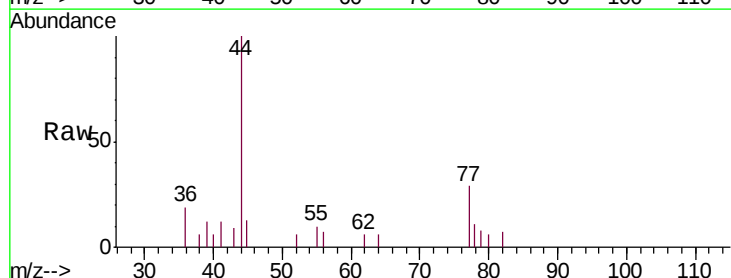
Tgt Ion: 59 Resp: 1446
 Ion Ratio Lower Upper
 59 100
 57 3.1 8.2 12.2#

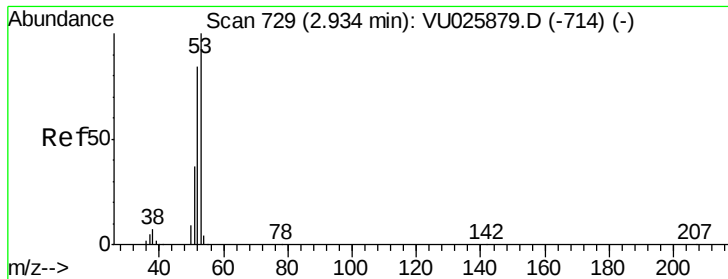


#13

Acrolein
 Concen: Below Cal
 RT: 2.20 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VU025719.D
 Acq: 30 Jul 2018 13:54

Tgt Ion: 56 Resp: 45
 Ion Ratio Lower Upper
 56 100
 55 475.6 57.2 85.8#





#15

Acrylonitrile

Concen: 0.277 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU025719.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

LC-SD-EB04-180720

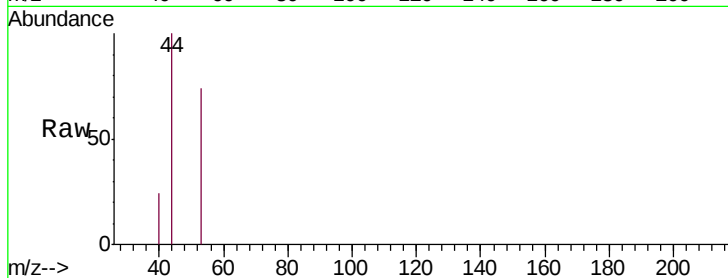
Tgt Ion: 53 Resp: 349

Ion Ratio Lower Upper

53 100

52 20.3 66.6 99.8#

51 0.0 29.4 44.2#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

2.94

300

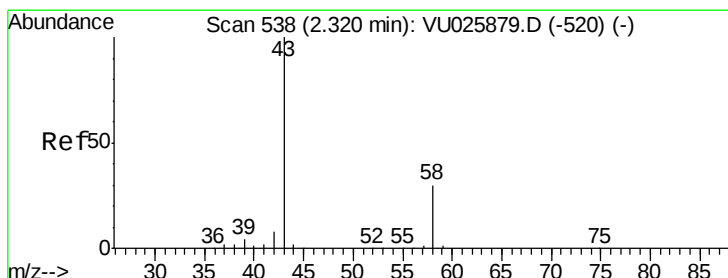
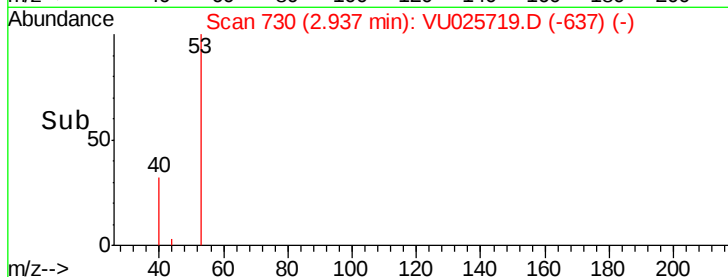
200

100

0

2.92 2.94 2.96

Time-->



#16

Acetone

Concen: 4.780 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025719.D

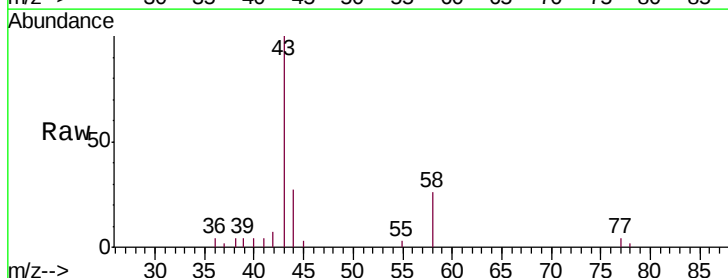
Acq: 30 Jul 2018 13:54

Tgt Ion: 43 Resp: 6726

Ion Ratio Lower Upper

43 100

58 27.0 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

5000

4000

3000

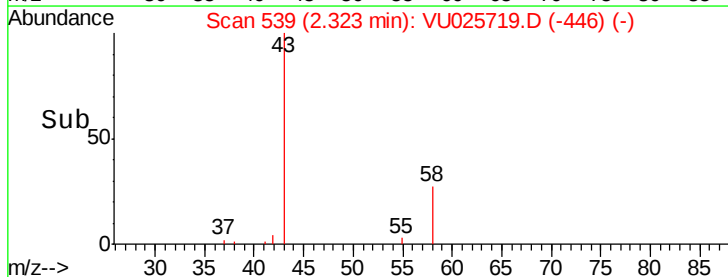
2000

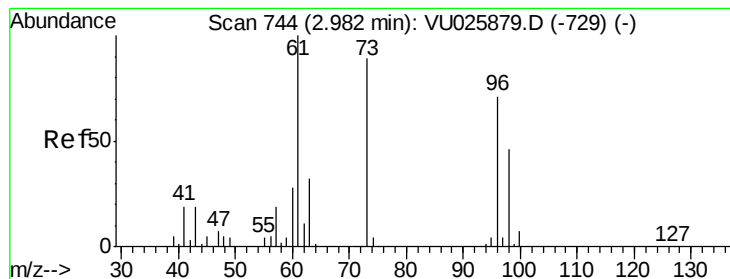
1000

0

2.30 2.32 2.35

Time-->





#21

trans-1,2-Dichloroethene

Concen: 0.233 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025719.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

LC-SD-EB04-180720

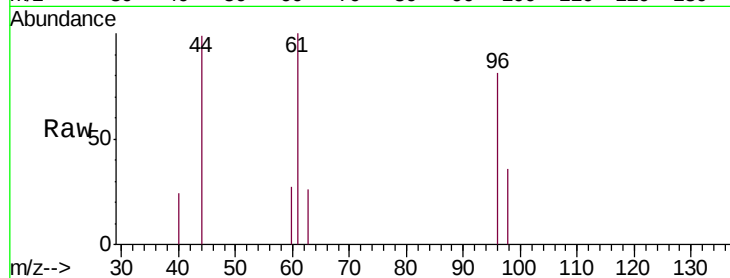
Tgt Ion: 96 Resp: 536

Ion Ratio Lower Upper

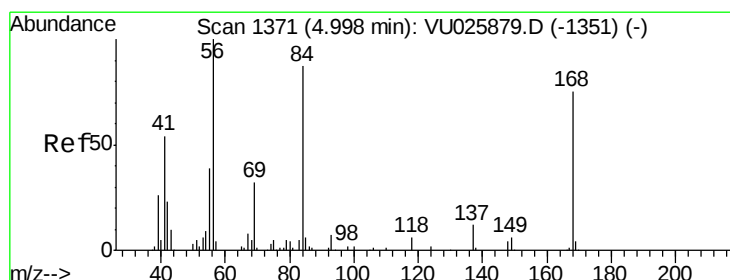
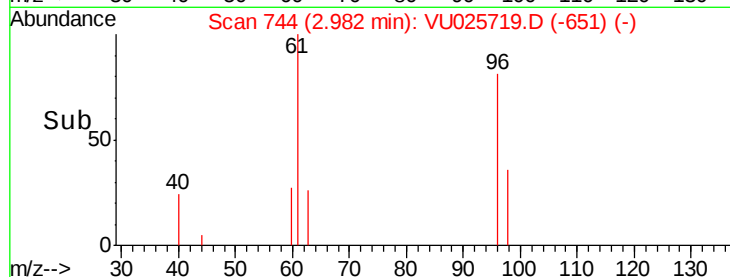
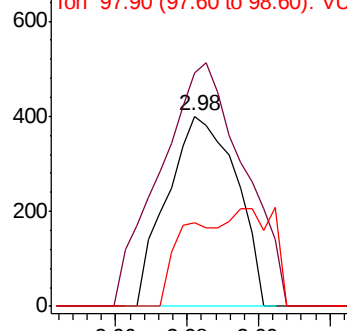
96 100

61 92.8 114.5 171.7#

98 44.3 50.5 75.7#



Abundance Ion 95.90 (95.60 to 96.60): VU025719.D (-651) (-)



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025719.D

Acq: 30 Jul 2018 13:54

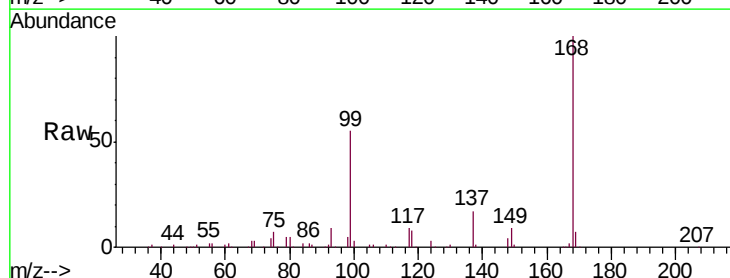
Tgt Ion: 56 Resp: 3422

Ion Ratio Lower Upper

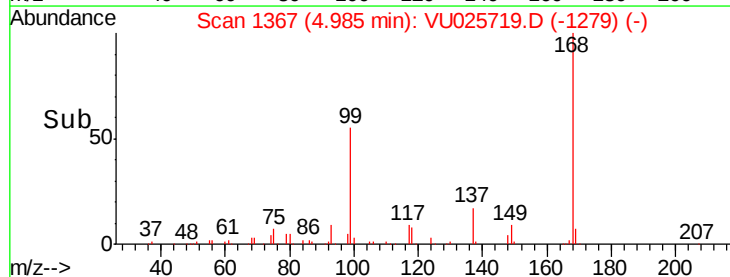
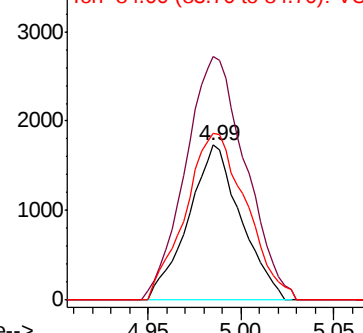
56 100

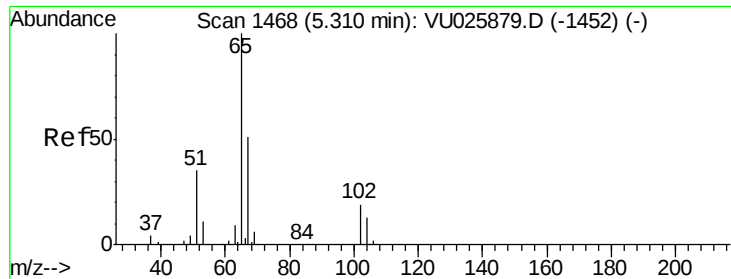
69 157.1 26.8 40.2#

84 107.9 69.7 104.5#



Abundance Ion 56.00 (55.70 to 56.70): VU025719.D (-1279) (-)





#33

1,2-Dichloroethane-d4

Concen: 47.949 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025719.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

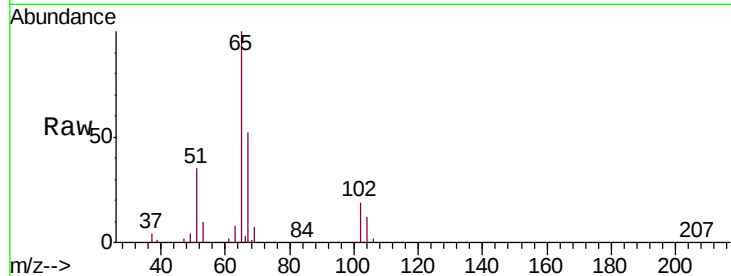
LC-SD-EB04-180720

Tgt Ion: 65 Resp: 138379

Ion Ratio Lower Upper

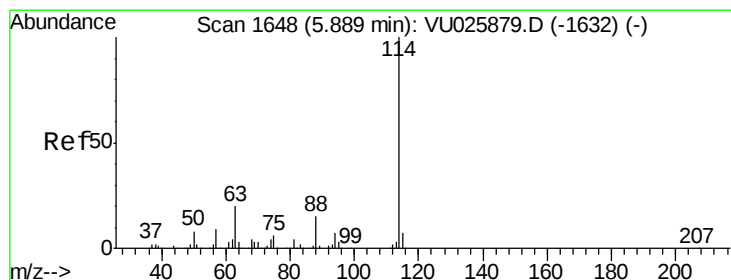
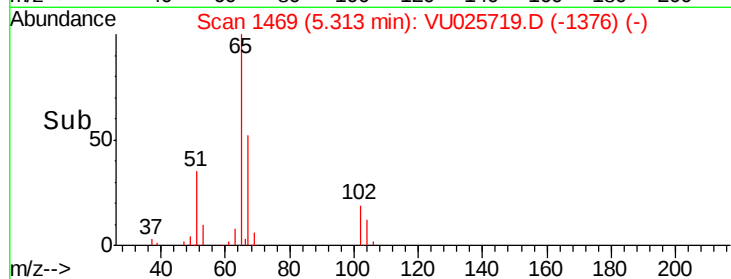
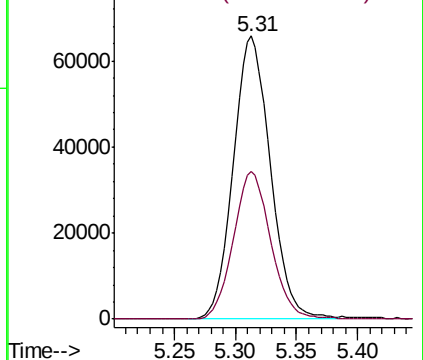
65 100

67 52.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025719.D

Acq: 30 Jul 2018 13:54

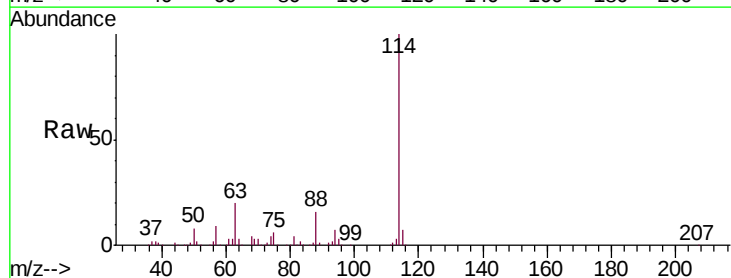
Tgt Ion: 114 Resp: 288075

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.6

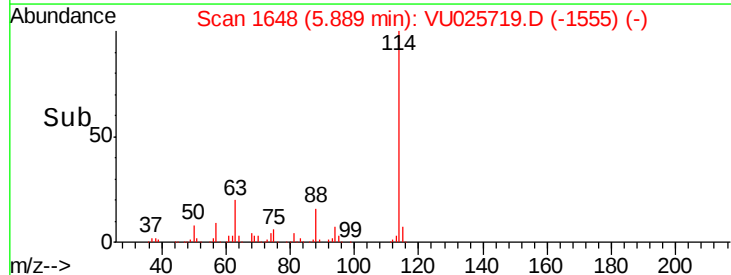
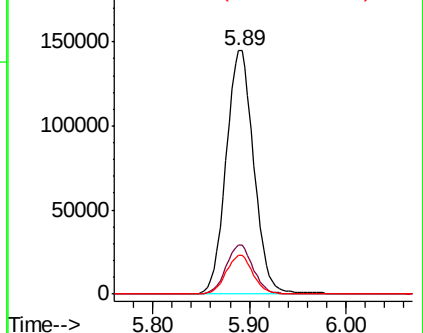
88 16.0 0.0 32.4

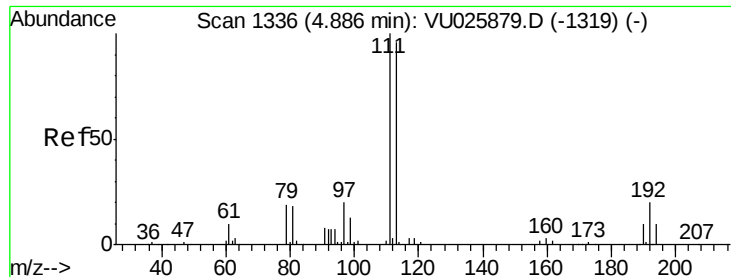


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

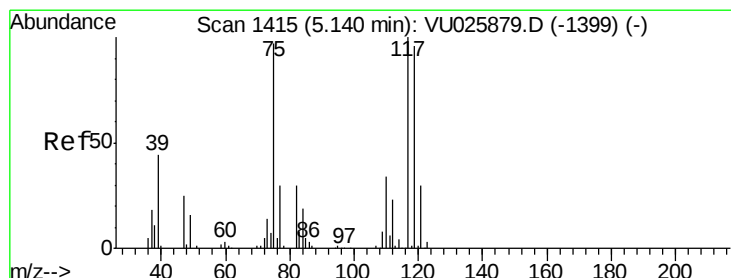
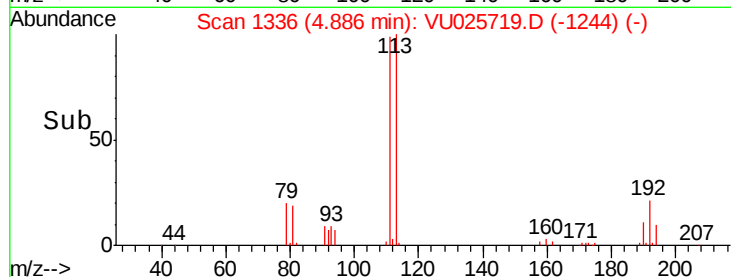
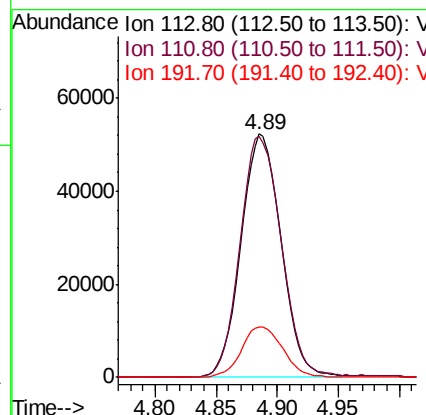
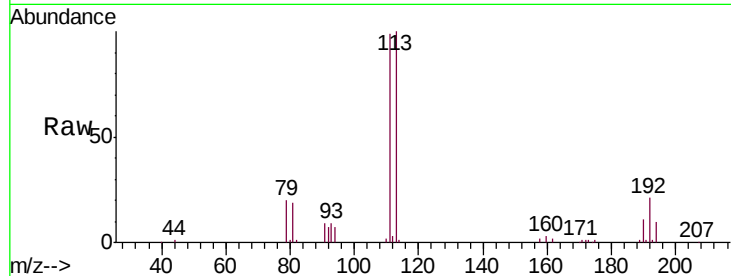




#35
 Dibromofluoromethane
 Concen: 47.585 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025719.D
 Acq: 30 Jul 2018 13:54

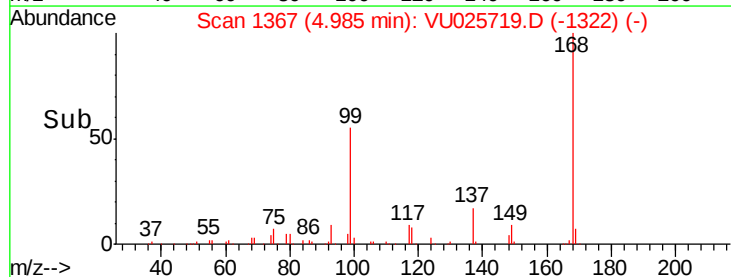
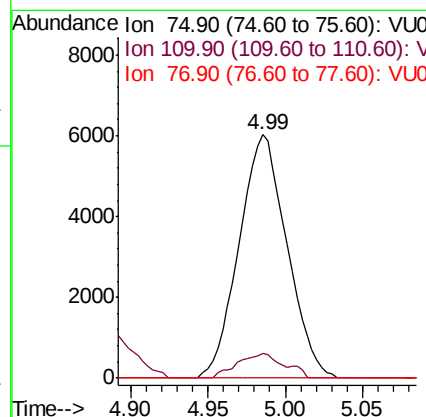
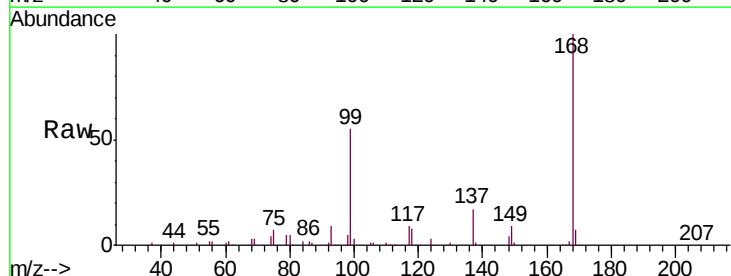
Instrument :
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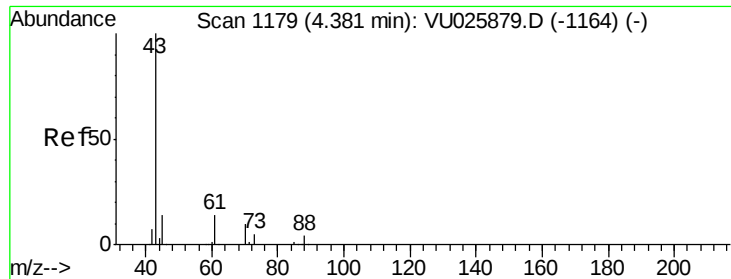
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.7	122.5
192	21.4	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 3.852 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025719.D
 Acq: 30 Jul 2018 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.6	52.9#
77	0.0	24.4	36.6#

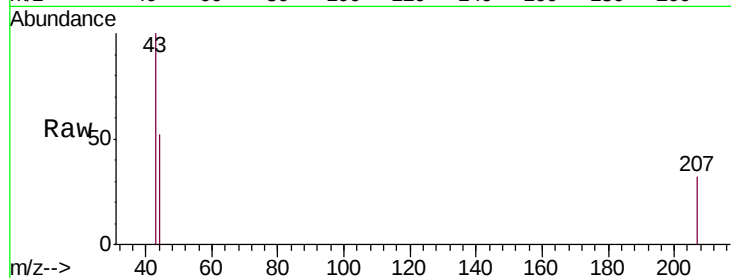




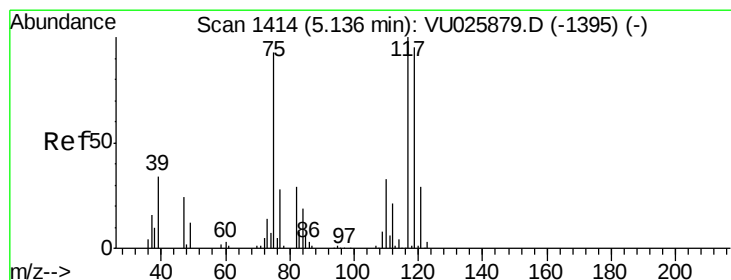
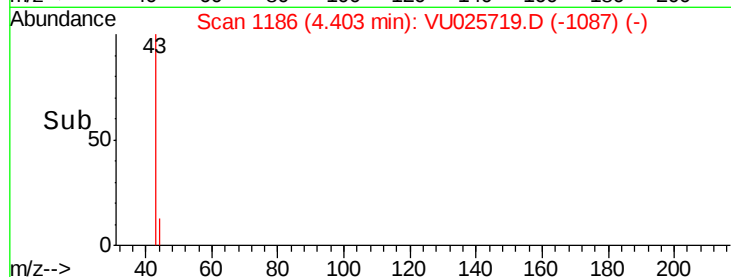
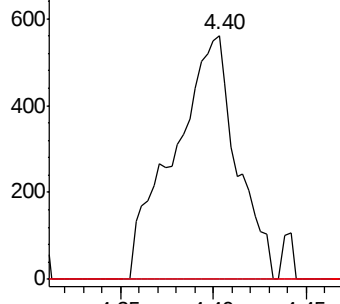
#37
 Ethyl Acetate
 Concen: 0.379 ug/l
 RT: 4.40 min Scan# 1186
 Delta R.T. 0.02 min
 Lab File: VU025719.D
 Acq: 30 Jul 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 LC-SD-EB04-180720

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.0	8.4	12.6#

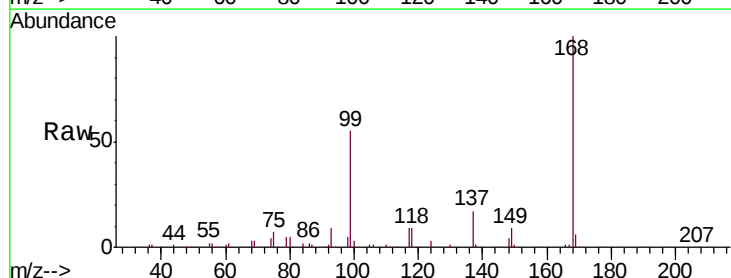


Abundance Ion 43.00 (42.70 to 43.70): VU025719.D (-1164) (-)
 Ion 60.90 (60.60 to 61.60): VU025719.D (-1164) (-)
 Ion 70.00 (69.70 to 70.70): VU025719.D (-1164) (-)

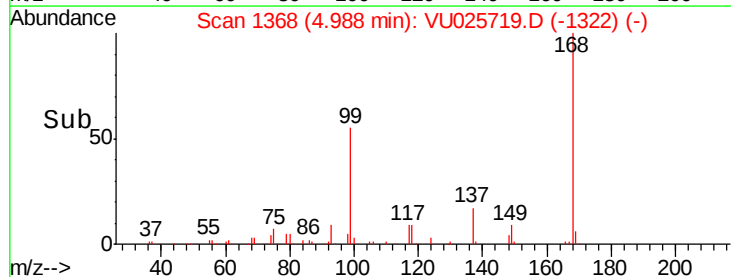
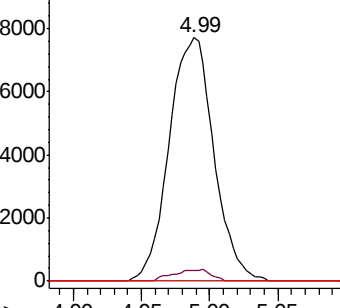


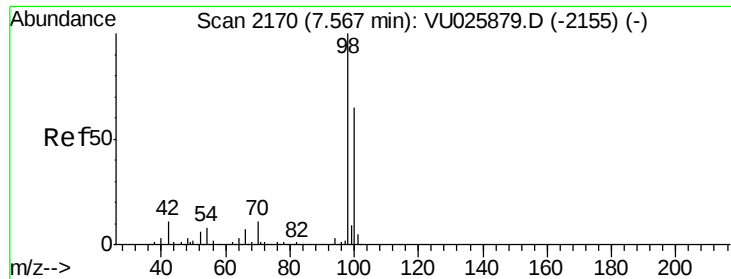
#38
 Carbon Tetrachloride
 Concen: 4.606 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025719.D
 Acq: 30 Jul 2018 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	75.7	113.5#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): VU025719.D (-1322) (-)
 Ion 118.80 (118.50 to 119.50): VU025719.D (-1322) (-)
 Ion 120.80 (120.50 to 121.50): VU025719.D (-1322) (-)

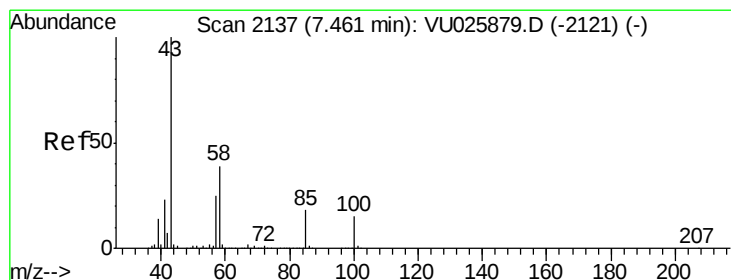
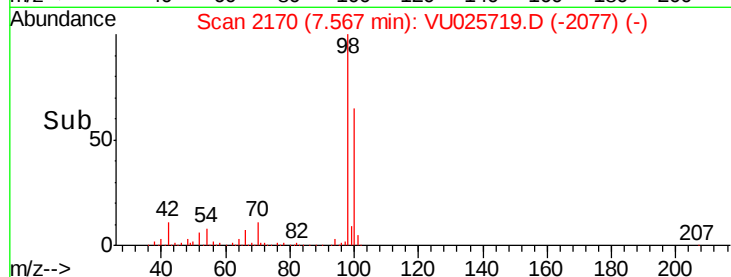
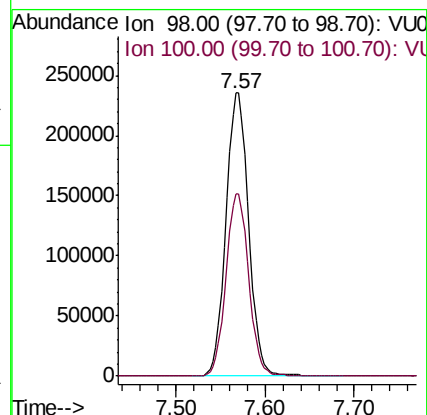
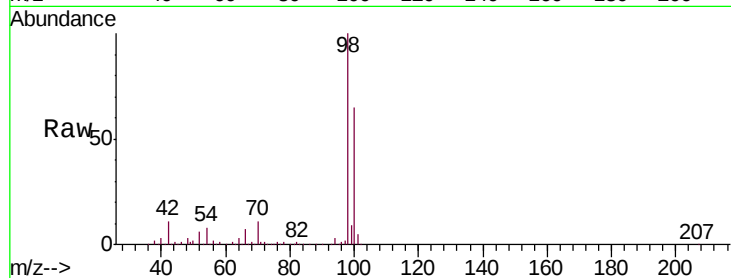




#50
Toluene-d8
Concen: 47.297 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025719.D
Acq: 30 Jul 2018 13:54

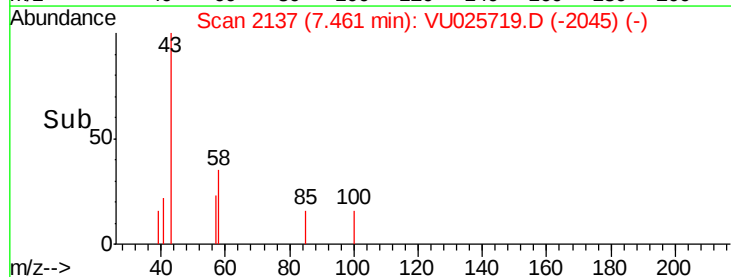
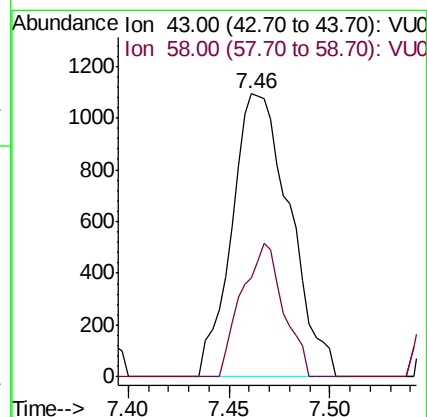
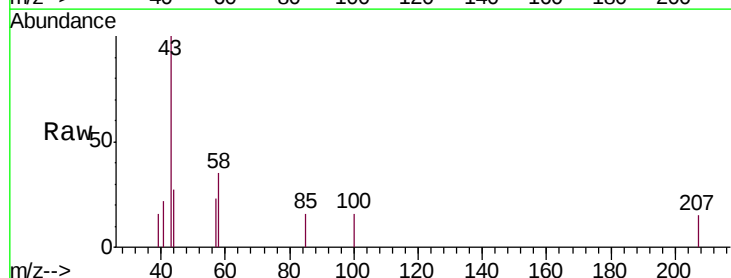
Instrument :
MSVOA_U
ClientSampleId :
LC-SD-EB04-180720

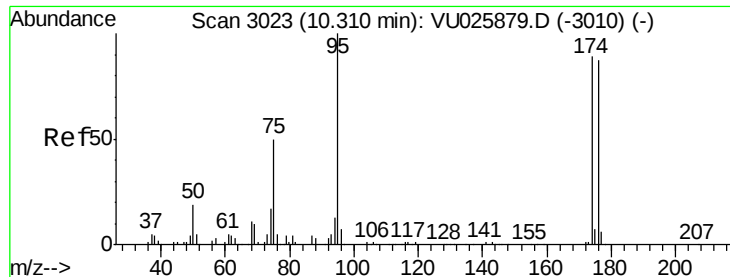
Tgt Ion: 98 Resp: 414687
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.608 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. -0.00 min
Lab File: VU025719.D
Acq: 30 Jul 2018 13:54

Tgt Ion: 43 Resp: 2196
Ion Ratio Lower Upper
43 100
58 34.2 31.0 46.4

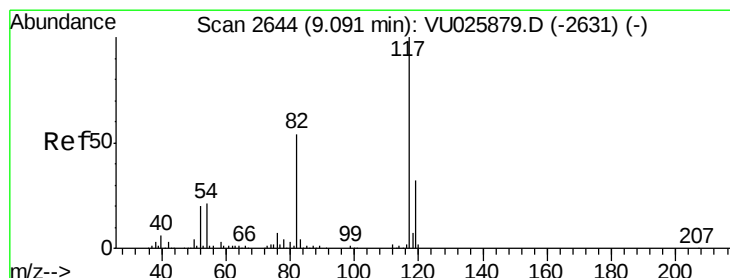
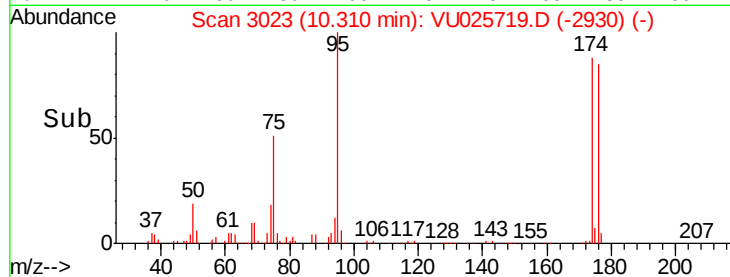
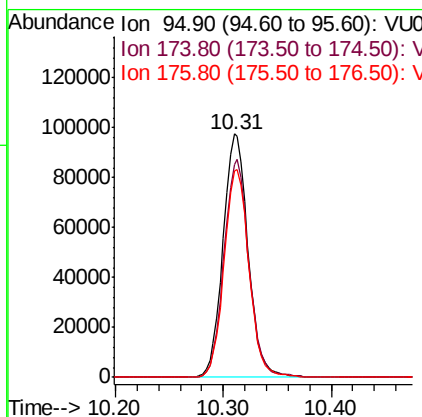
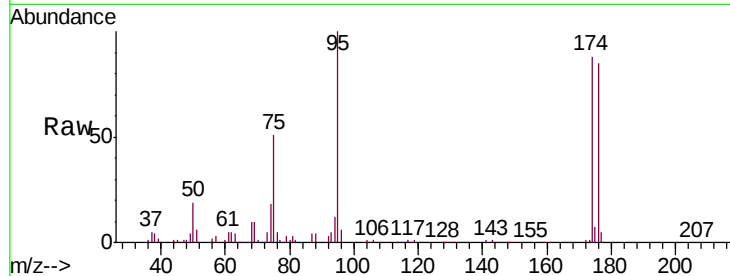




#62
4-Bromofluorobenzene
Concen: 46.258 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025719.D
Acq: 30 Jul 2018 13:54

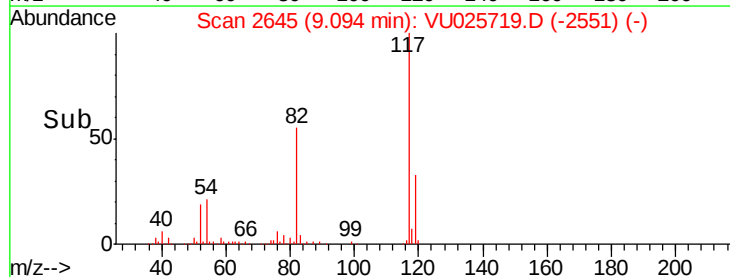
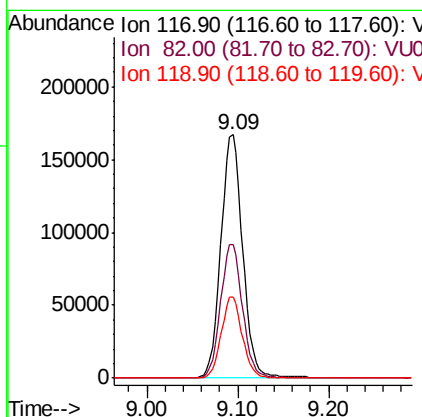
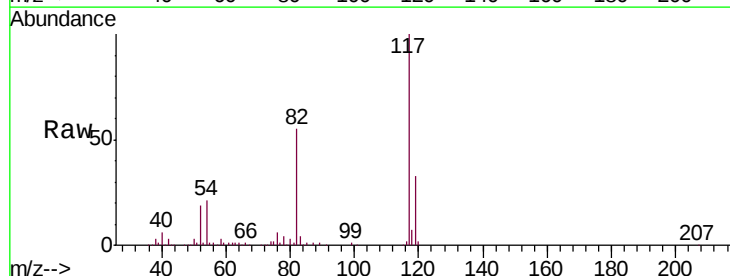
Instrument :
MSVOA_U
ClientSampleId :
LC-SD-EB04-180720

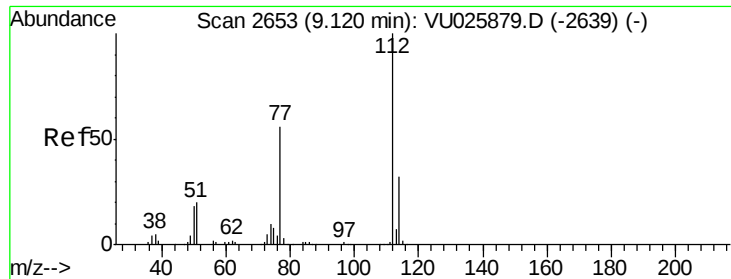
Tgt Ion: 95 Resp: 157423
Ion Ratio Lower Upper
95 100
174 89.3 0.0 172.2
176 85.2 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025719.D
Acq: 30 Jul 2018 13:54

Tgt Ion: 117 Resp: 279277
Ion Ratio Lower Upper
117 100
82 55.0 46.0 69.0
119 33.5 26.0 39.0

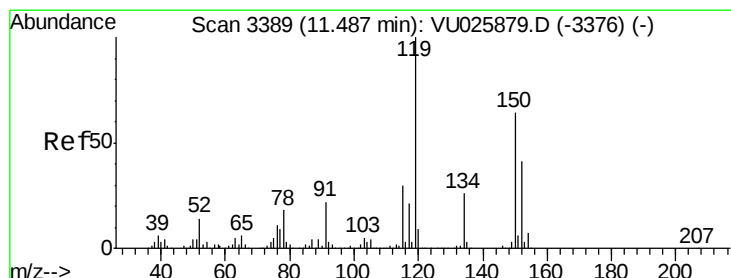
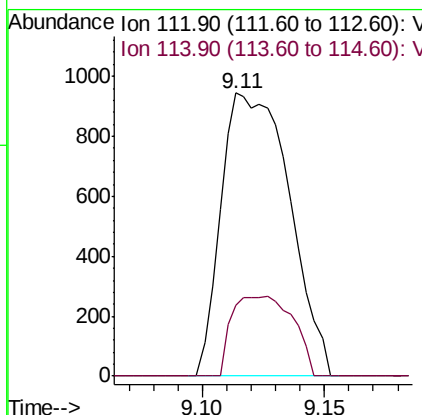
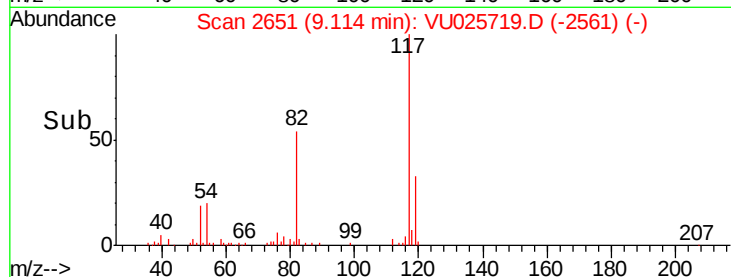
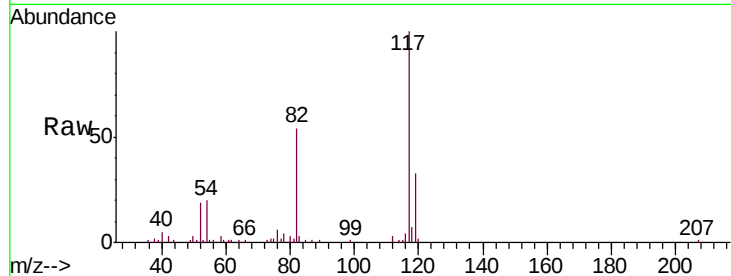




#65
Chlorobenzene
Concen: 0.255 ug/l
RT: 9.11 min Scan# 2651
Delta R.T. -0.01 min
Lab File: VU025719.D
Acq: 30 Jul 2018 13:54

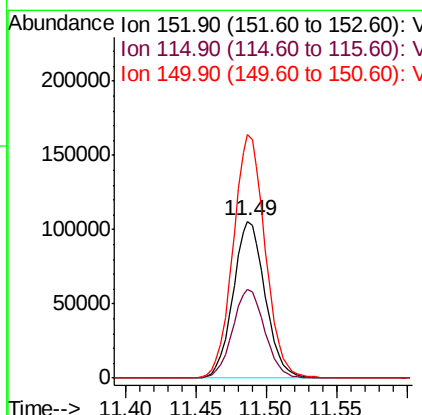
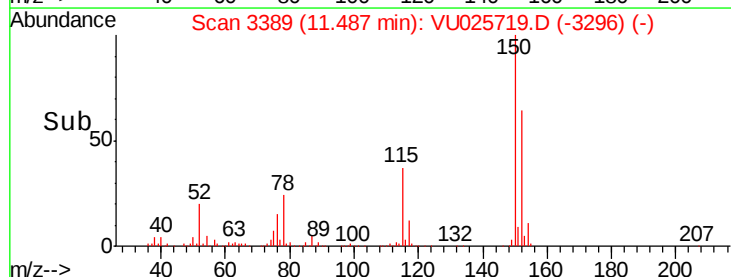
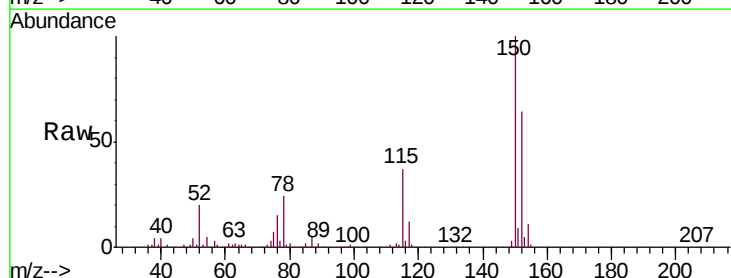
Instrument :
MSVOA_U
ClientSampleId :
LC-SD-EB04-180720

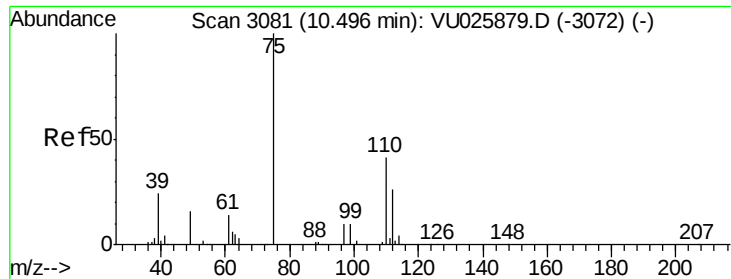
Tgt Ion:112 Resp: 1838
Ion Ratio Lower Upper
112 100
114 25.0 25.8 38.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025719.D
Acq: 30 Jul 2018 13:54

Tgt Ion:152 Resp: 167471
Ion Ratio Lower Upper
152 100
115 56.9 40.1 120.3
150 155.8 0.0 351.4

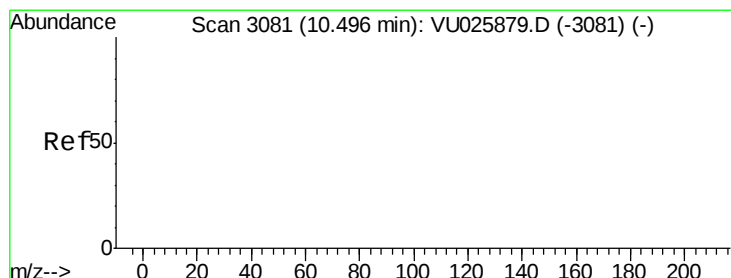
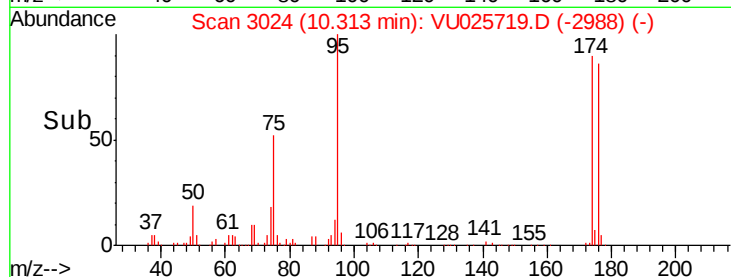
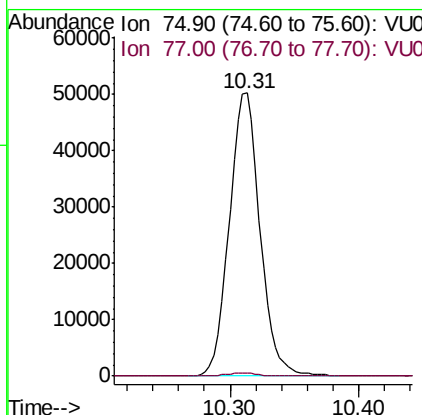
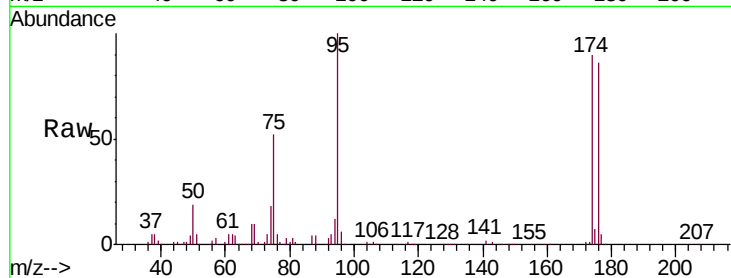




#76
 1,2,3-Trichloropropane
 Concen: 22.452 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. -0.18 min
 Lab File: VU025719.D
 Acq: 30 Jul 2018 13:54

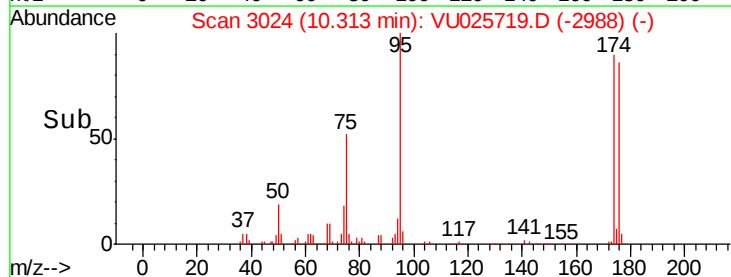
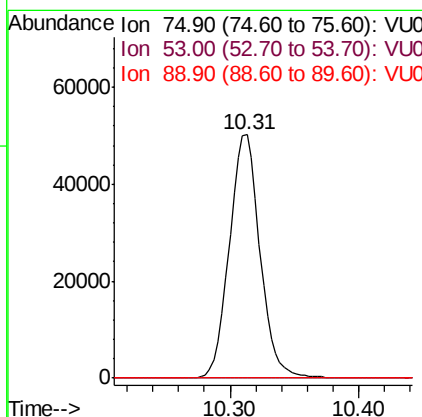
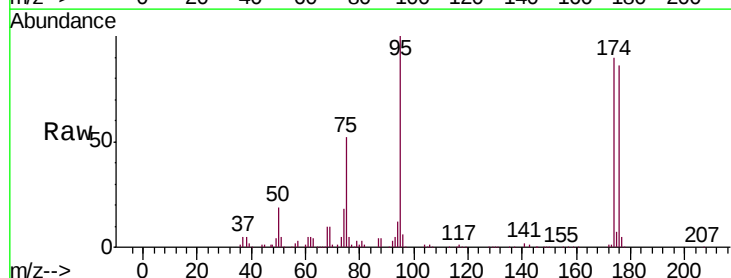
Instrument :
 MSVOA_U
 ClientSampleId :
 LC-SD-EB04-180720

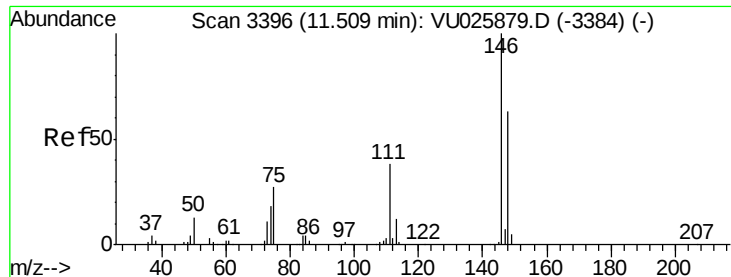
Tgt Ion: 75 Resp: 82846
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.4 61.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.298 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. -0.18 min
 Lab File: VU025719.D
 Acq: 30 Jul 2018 13:54

Tgt Ion: 75 Resp: 82846
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#88

1,4-Dichlorobenzene

Concen: 0.560 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025719.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

LC-SD-EB04-180720

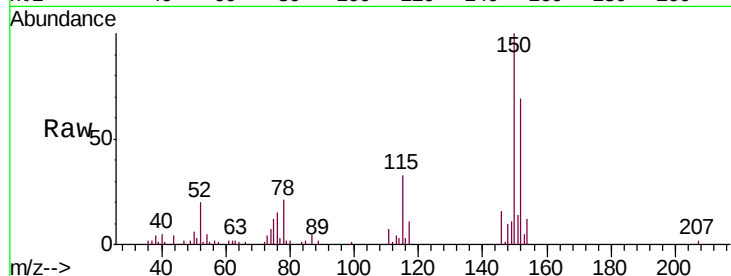
Tgt Ion:146 Resp: 3414

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.1#

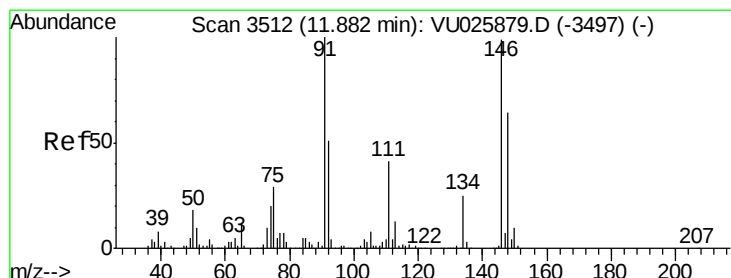
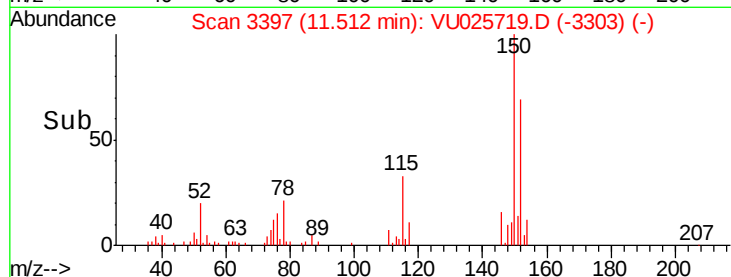
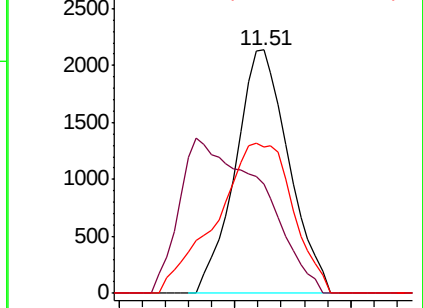
148 87.7 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 0.296 ug/l

RT: 11.89 min Scan# 3514

Delta R.T. 0.01 min

Lab File: VU025719.D

Acq: 30 Jul 2018 13:54

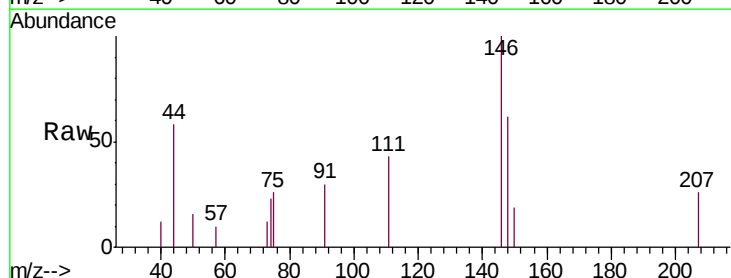
Tgt Ion:146 Resp: 1697

Ion Ratio Lower Upper

146 100

111 44.0 20.6 61.8

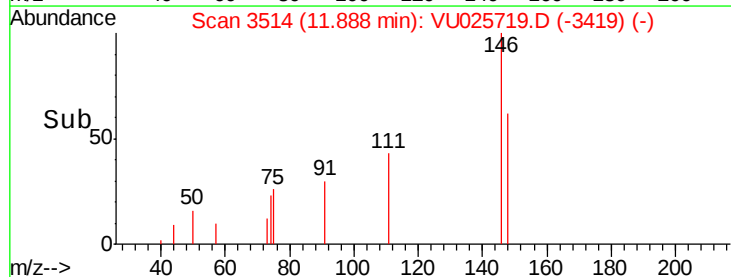
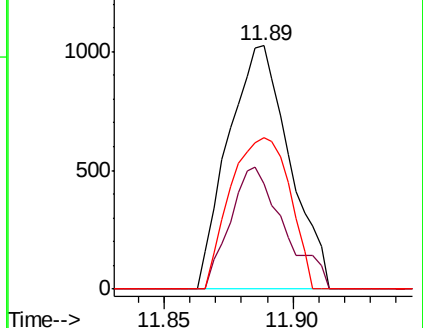
148 60.4 31.5 94.5

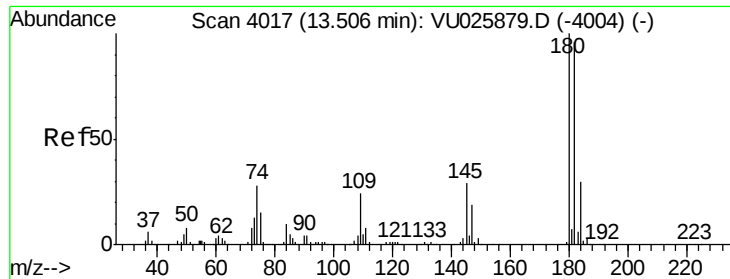


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

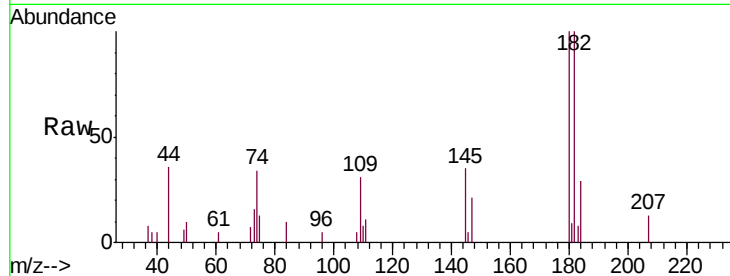




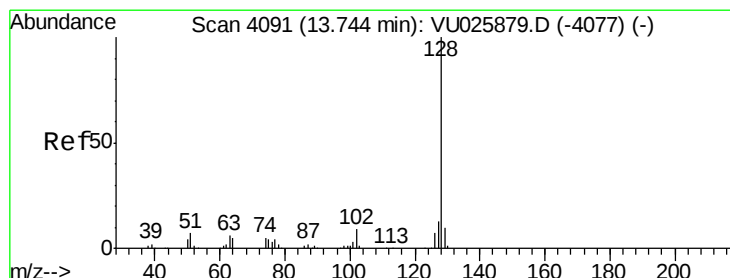
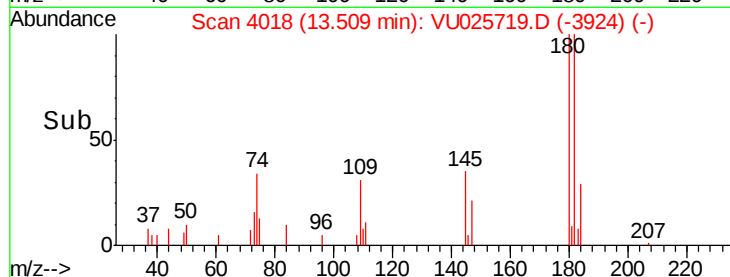
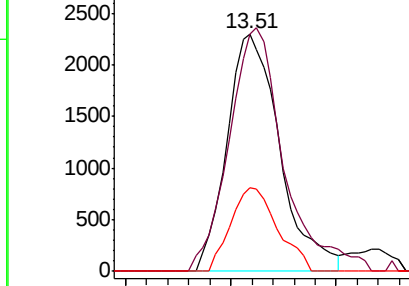
#93
 1,2,4-Trichlorobenzene
 Concen: 1.034 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025719.D
 Acq: 30 Jul 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 LC-SD-EB04-180720

Tgt Ion	Ratio	Lower	Upper
180	100		
182	106.2	47.3	141.9
145	30.8	14.9	44.7

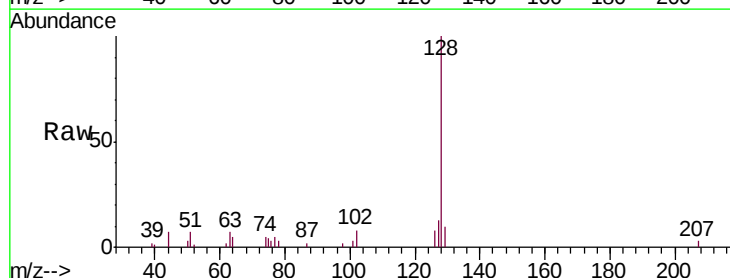


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 2.839 ug/l
 RT: 13.75 min Scan# 4094
 Delta R.T. 0.01 min
 Lab File: VU025719.D
 Acq: 30 Jul 2018 13:54

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.5	15.7
129	9.1	8.3	12.5



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

