

Data File : VU029241.D
Acq On : 21 Jan 2019 12:08
Operator : JC/SP
Sample : PB116506ZHE#02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#02

Quant Time: Jan 22 01:07:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	118226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	205929	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	195267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77140	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	79915	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	
35) Dibromofluoromethane	4.88	113	68787	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	7.57	98	266472	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	10.30	95	84862	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	

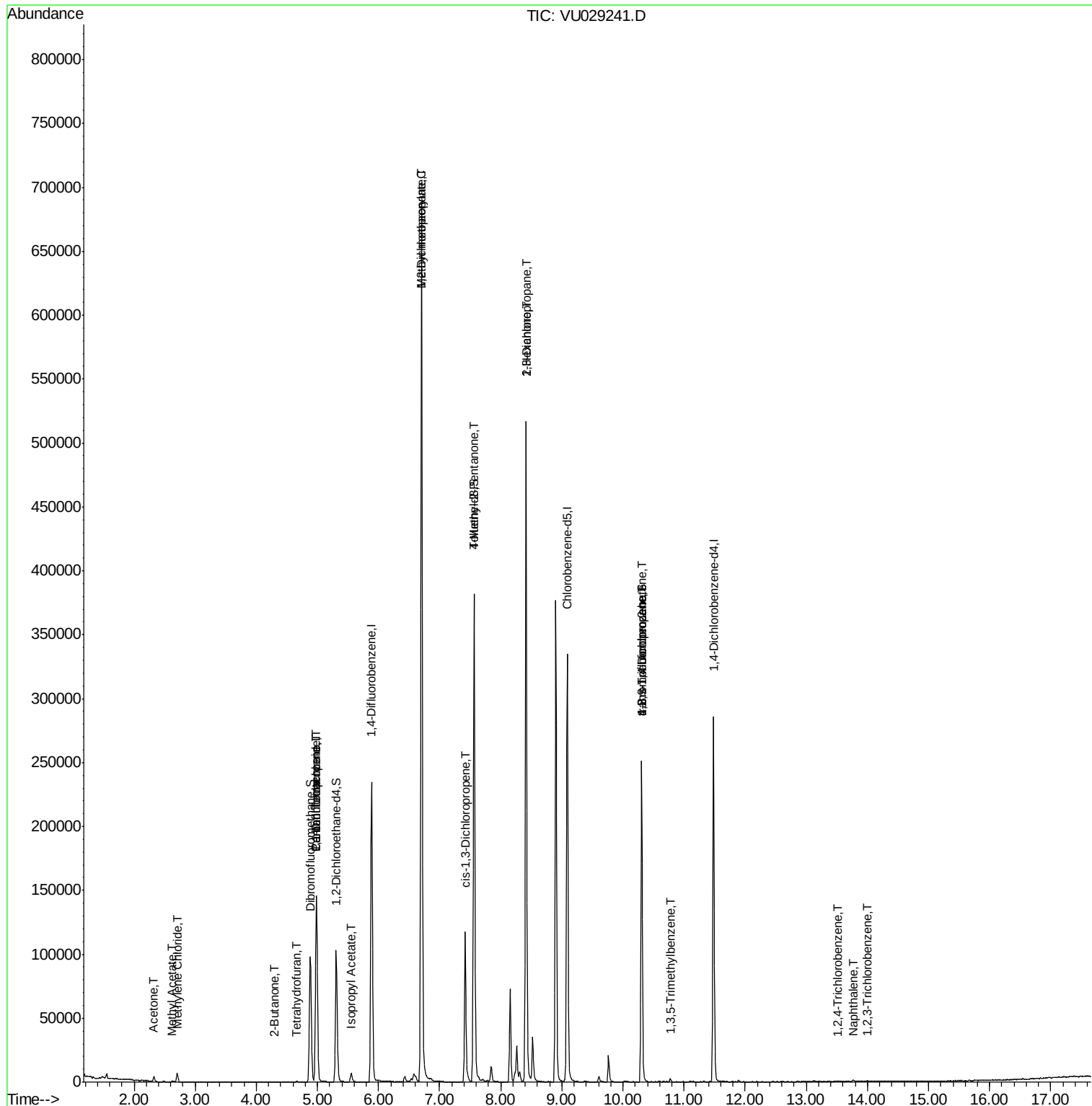
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	714	Below Cal		97
16) Acetone	2.32	43	4298	4.668	ug/l	95
17) Carbon Disulfide	2.49	76	628	Below Cal	#	75
18) Methyl Acetate	2.62	43	1060	0.495	ug/l #	66
20) Methylene Chloride	2.71	84	3174	2.030	ug/l	93
25) 2-Butanone	4.30	43	333	0.268	ug/l #	47
29) Tetrahydrofuran	4.66	42	495	0.656	ug/l #	30
31) Cyclohexane	4.98	56	1906	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	8501	4.130	ug/l #	47
38) Carbon Tetrachloride	4.99	117	10464	6.095	ug/l #	16
43) Isopropyl Acetate	5.55	43	8502	2.453	ug/l	97
45) 1,2-Dichloropropane	6.70	63	742	0.438	ug/l #	43
48) Methyl methacrylate	6.70	41	57844	34.275	ug/l #	35
51) 4-Methyl-2-Pentanone	7.56	43	4847	2.055	ug/l	99
54) cis-1,3-Dichloropropene	7.42	75	21963	8.479	ug/l #	62
57) 1,3-Dichloropropane	8.41	76	4883	1.822	ug/l #	42
59) 2-Hexanone	8.41	43	68602	37.052	ug/l #	50
76) 1,2,3-Trichloropropane	10.30	75	40688	21.527	ug/l #	36
80) 1,3,5-Trimethylbenzene	10.77	105	1569	0.329	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.30	75	40688	55.520	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	400	0.228	ug/l #	40
95) Naphthalene	13.77	128	2775	0.465	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.00	180	643	1.126	ug/l #	86

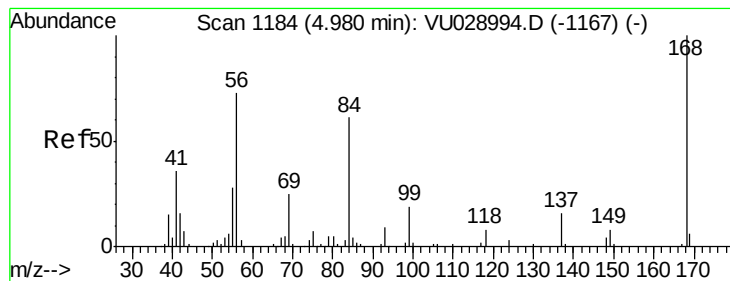
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029241.D

Acq: 21 Jan 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

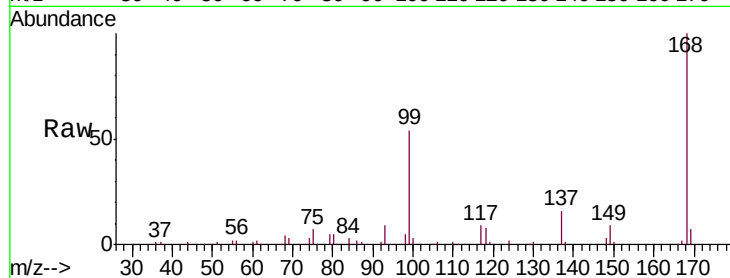
PB116506ZHE#02

Tgt Ion:168 Resp: 118226

Ion Ratio Lower Upper

168 100

99 53.7 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

60000

50000

40000

30000

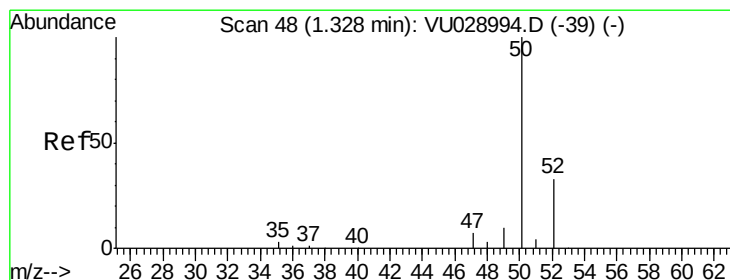
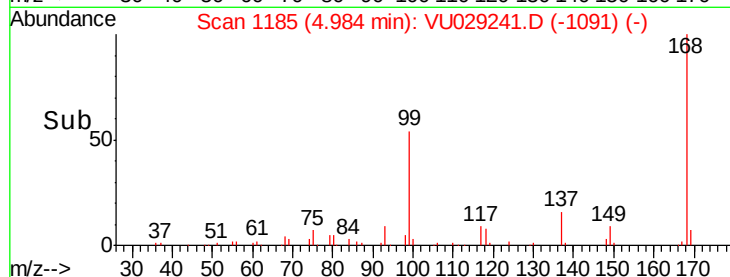
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 50

Delta R.T. 0.01 min

Lab File: VU029241.D

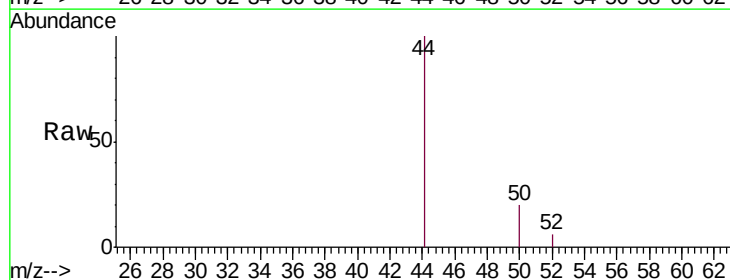
Acq: 21 Jan 2019 12:08

Tgt Ion: 50 Resp: 714

Ion Ratio Lower Upper

50 100

52 30.9 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU028994.D (-39) (-)

Ion 51.90 (51.60 to 52.60): VU028994.D (-39) (-)

1.33

600

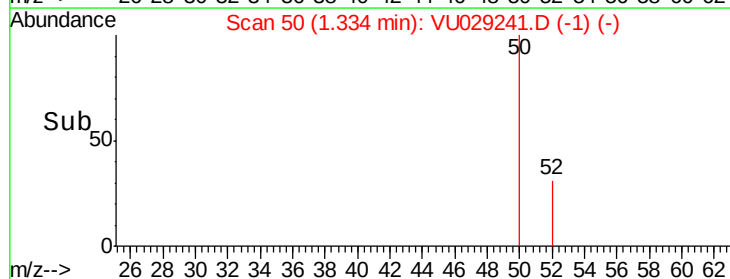
400

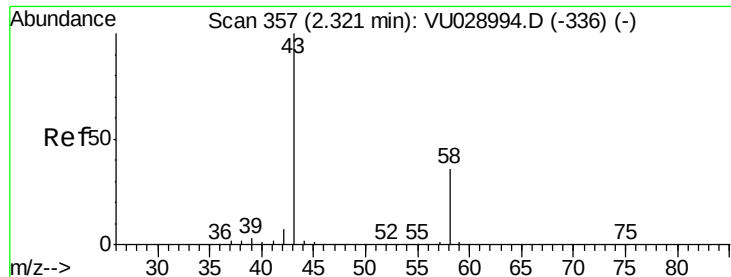
200

0

1.30 1.32 1.34 1.36

Time-->





#16

Acetone

Concen: 4.668 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU029241.D

Acq: 21 Jan 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

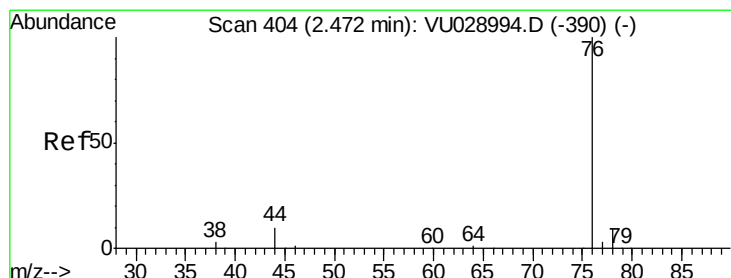
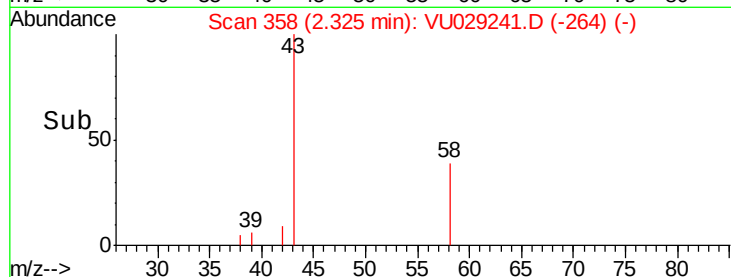
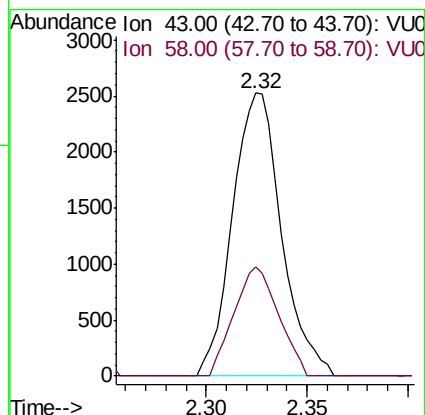
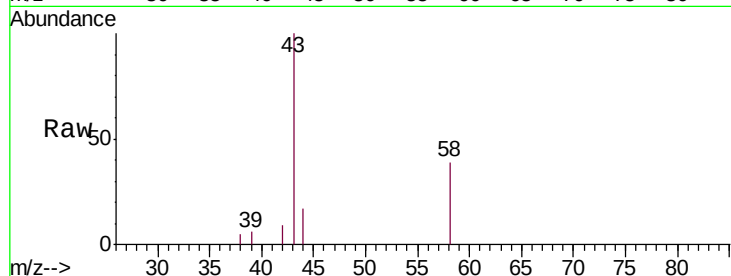
PB116506ZHE#02

Tgt Ion: 43 Resp: 4298

Ion Ratio Lower Upper

43 100

58 38.6 28.6 42.8



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.49 min Scan# 408

Delta R.T. 0.01 min

Lab File: VU029241.D

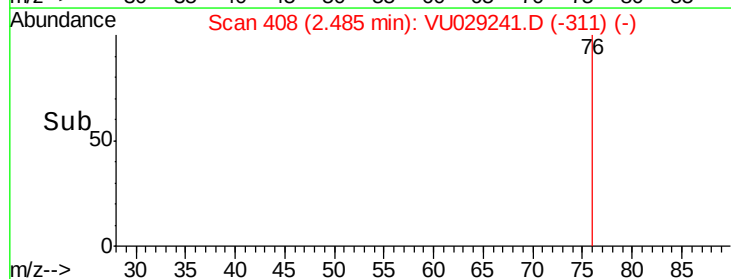
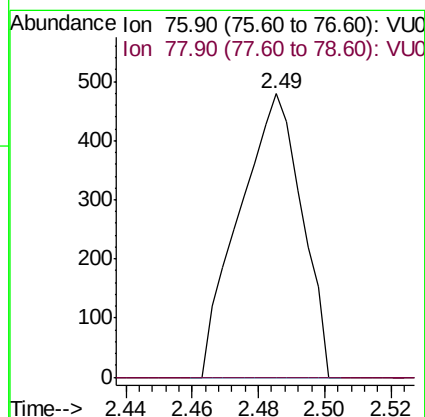
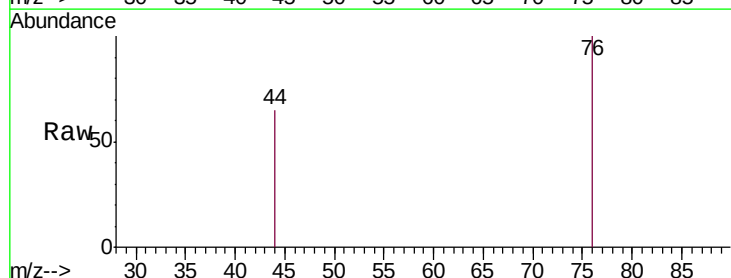
Acq: 21 Jan 2019 12:08

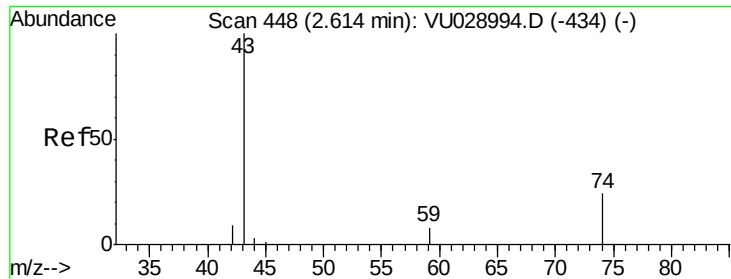
Tgt Ion: 76 Resp: 628

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

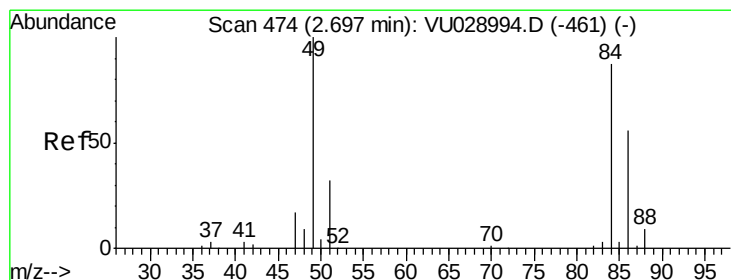
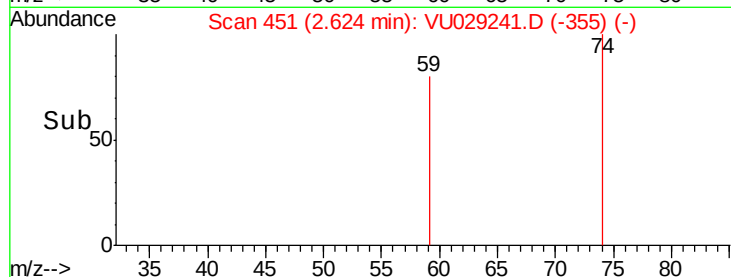
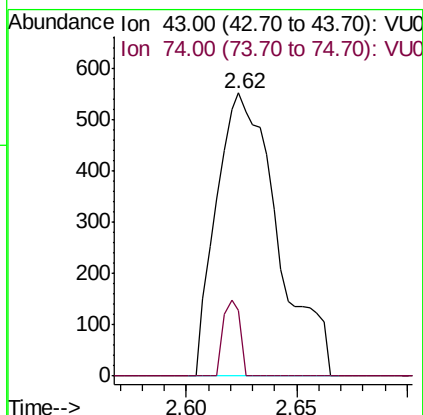
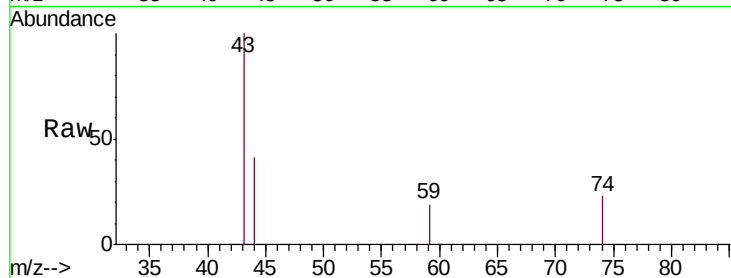




#18
Methyl Acetate
Concen: 0.495 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU029241.D
Acq: 21 Jan 2019 12:08

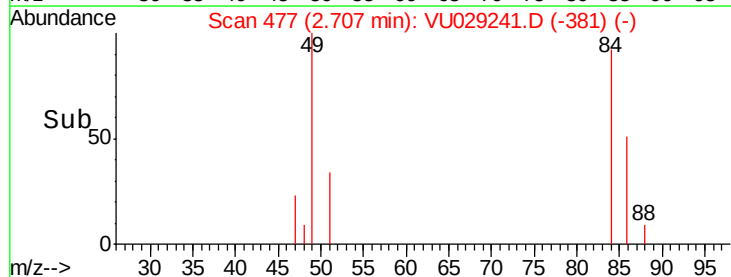
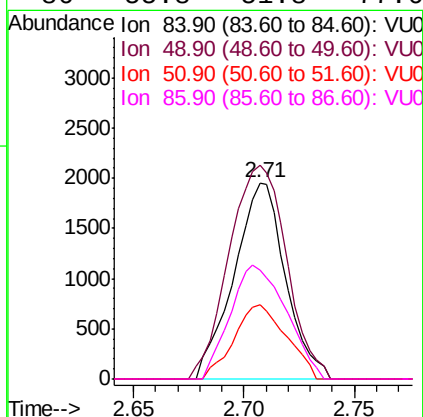
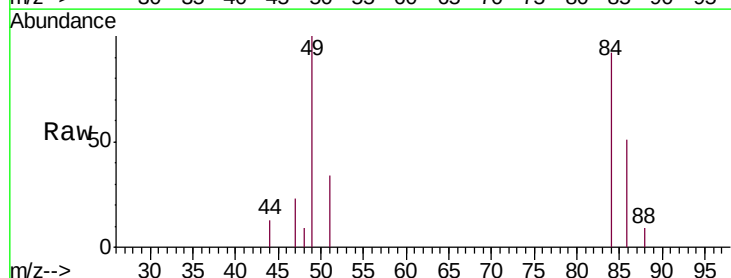
Instrument :
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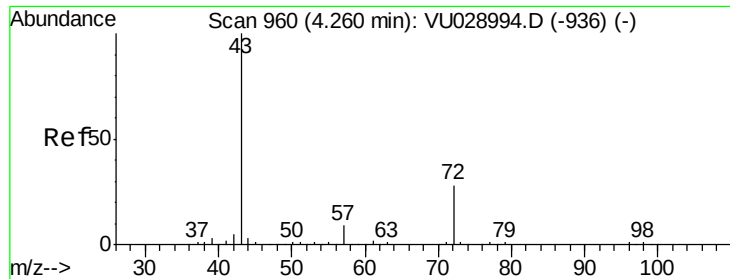
Tgt Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
74 7.3 19.5 29.3#



#20
Methylene Chloride
Concen: 2.030 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.01 min
Lab File: VU029241.D
Acq: 21 Jan 2019 12:08

Tgt Ion: 84 Resp: 3174
Ion Ratio Lower Upper
84 100
49 109.1 91.9 137.9
51 37.6 29.2 43.8
86 55.8 51.8 77.6

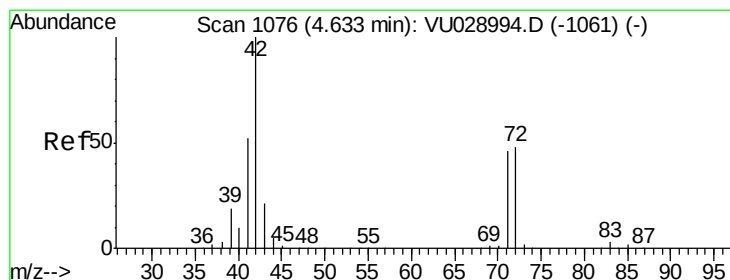
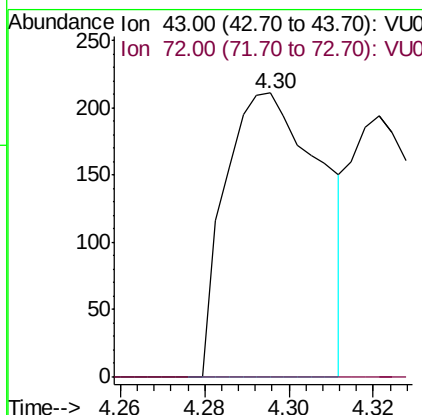
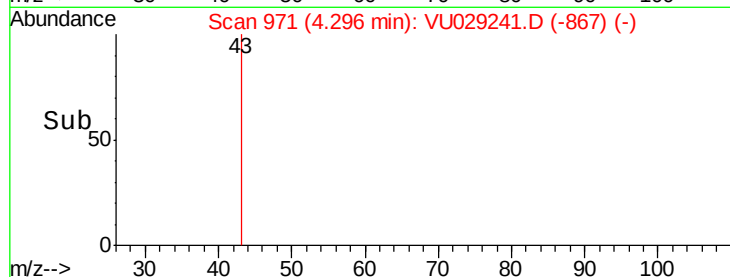
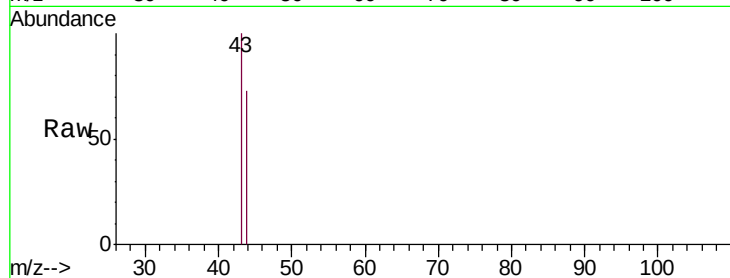




#25
 2-Butanone
 Concen: 0.268 ug/l
 RT: 4.30 min Scan# 971
 Delta R.T. 0.04 min
 Lab File: VU029241.D
 Acq: 21 Jan 2019 12:08

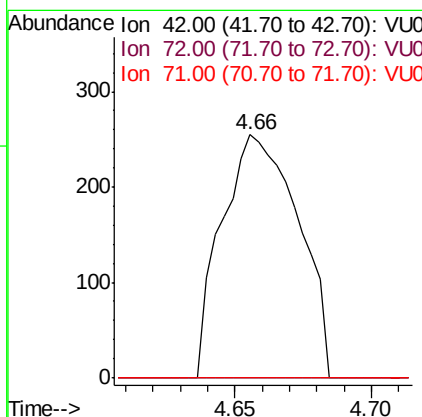
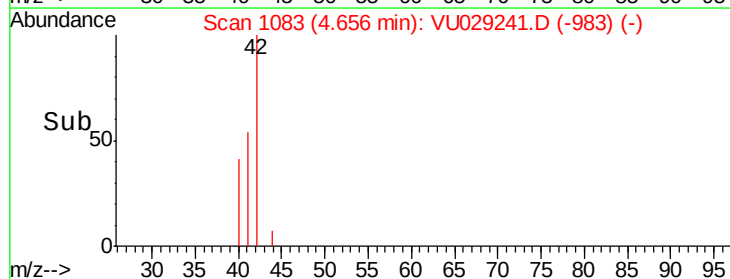
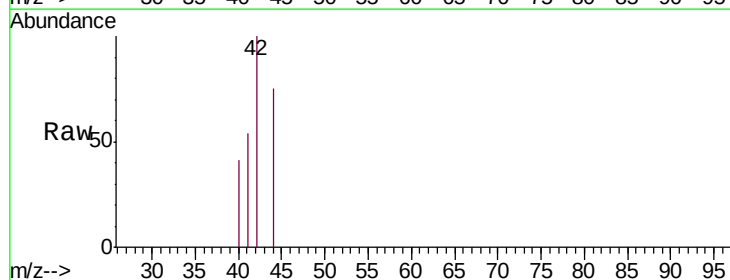
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 ClientSampleId :
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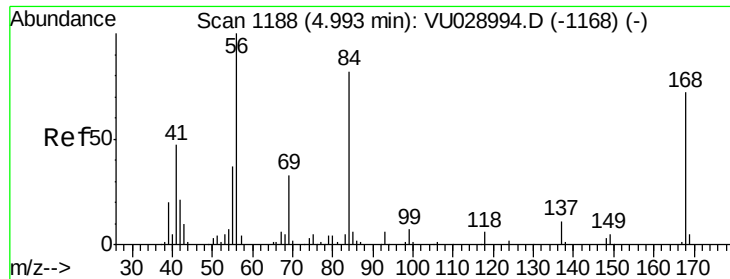
Tgt Ion: 43 Resp: 333
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.6 33.8#



#29
 Tetrahydrofuran
 Concen: 0.656 ug/l
 RT: 4.66 min Scan# 1083
 Delta R.T. 0.02 min
 Lab File: VU029241.D
 Acq: 21 Jan 2019 12:08

Tgt Ion: 42 Resp: 495
 Ion Ratio Lower Upper
 42 100
 72 0.0 38.3 57.5#
 71 0.0 36.1 54.1#

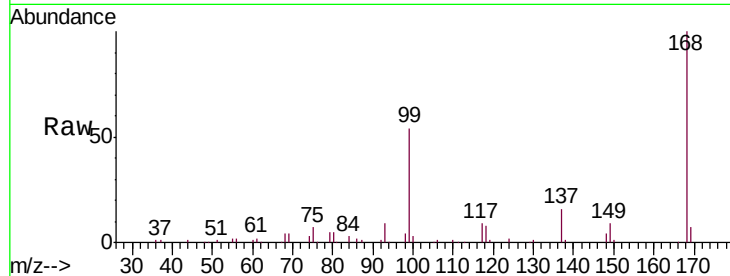




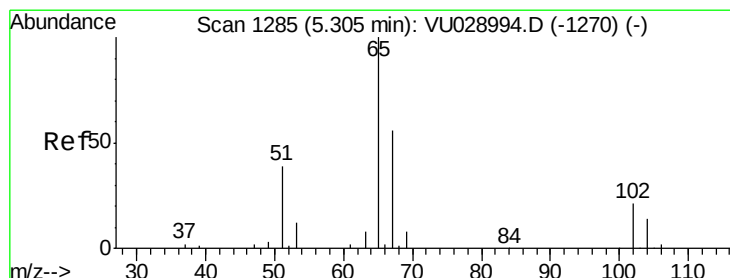
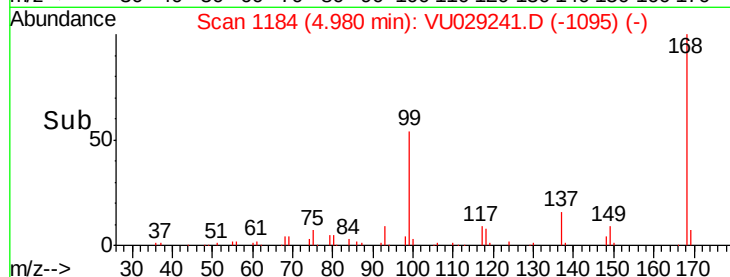
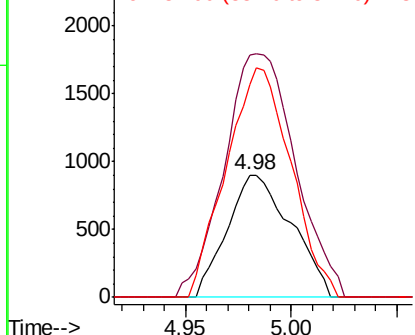
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VU029241.D
Acq: 21 Jan 2019 12:08

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#02

Tgt Ion: 56 Resp: 1906
Ion Ratio Lower Upper
56 100
69 183.5 26.7 40.1#
84 174.3 65.7 98.5#

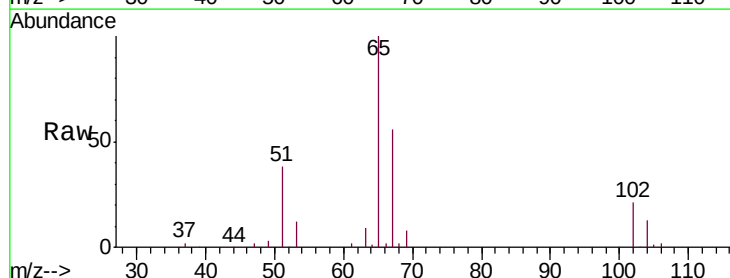


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

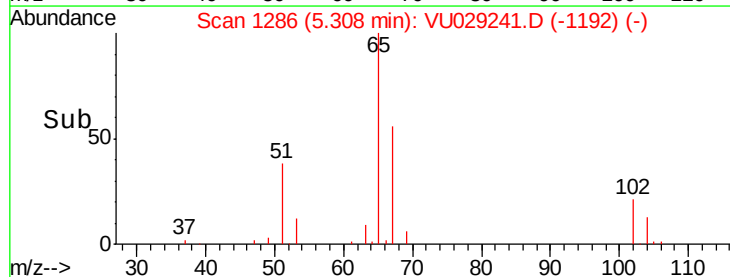
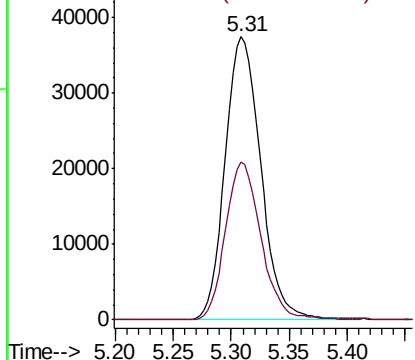


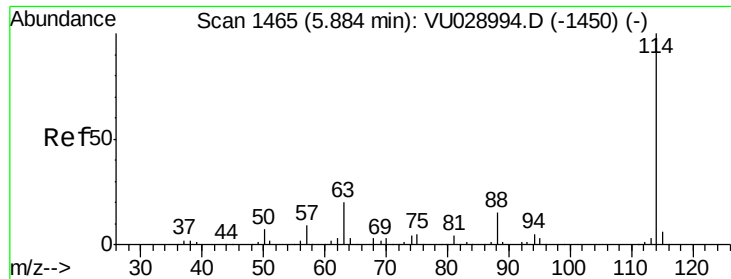
#33
1,2-Dichloroethane-d4
Concen: 54.680 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU029241.D
Acq: 21 Jan 2019 12:08

Tgt Ion: 65 Resp: 79915
Ion Ratio Lower Upper
65 100
67 55.3 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

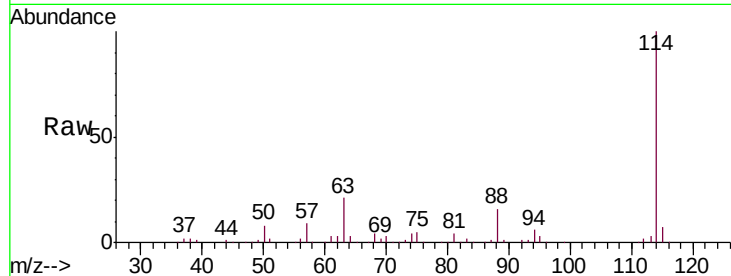




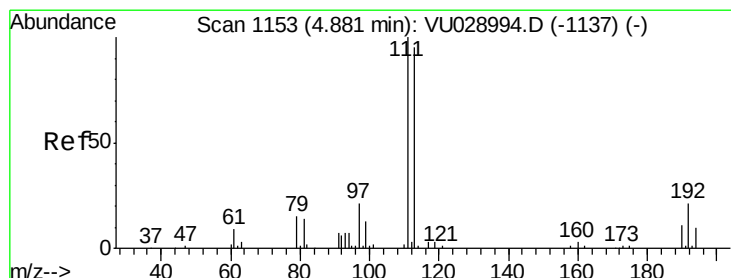
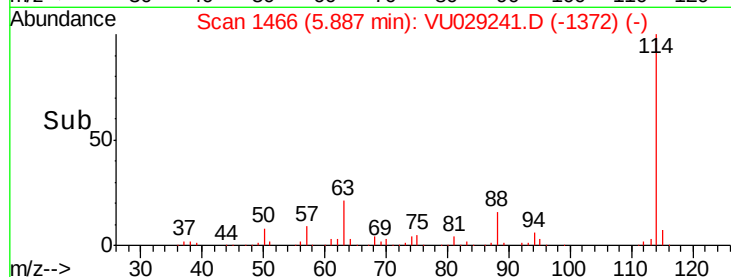
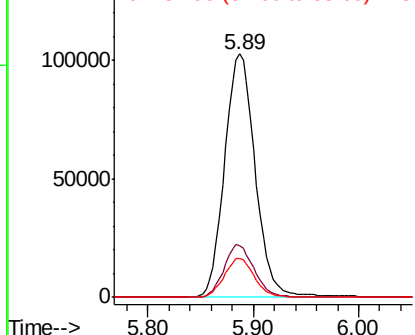
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU029241.D
 Acq: 21 Jan 2019 12:08

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Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	40.2
88	16.1	0.0	30.4

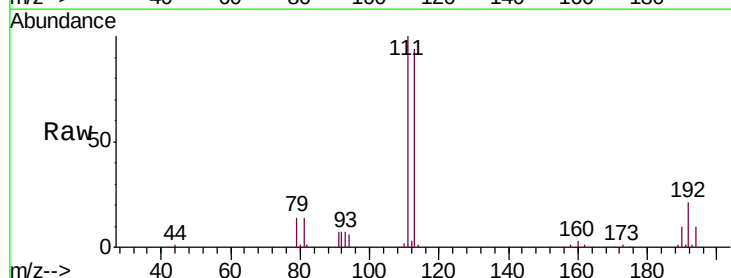


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

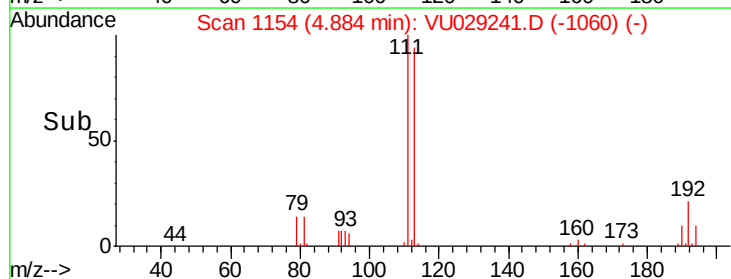
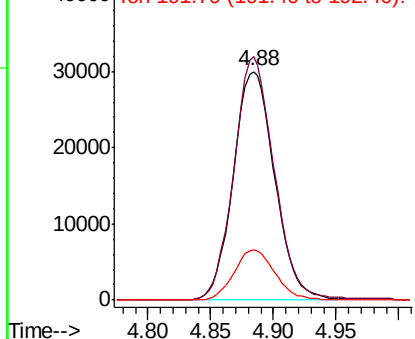


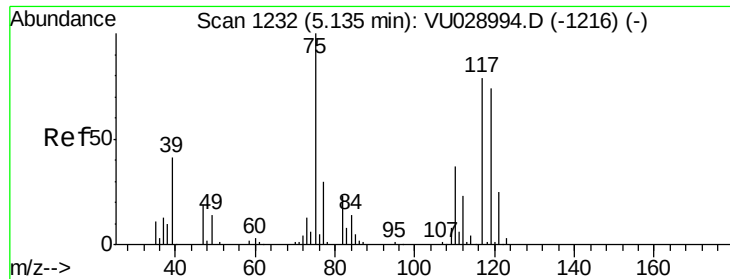
#35
 Dibromofluoromethane
 Concen: 51.530 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU029241.D
 Acq: 21 Jan 2019 12:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.4	122.2
192	21.7	16.8	25.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

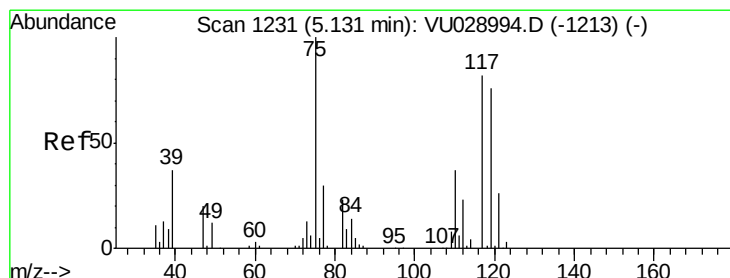
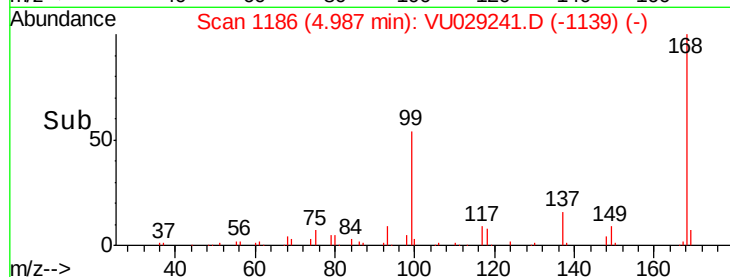
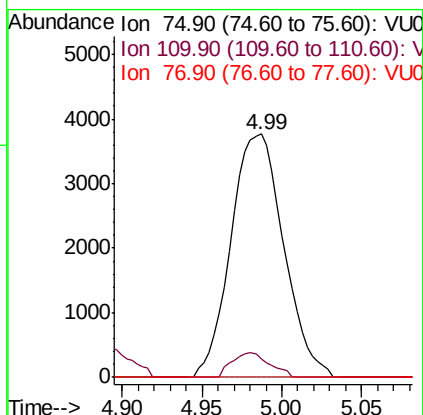
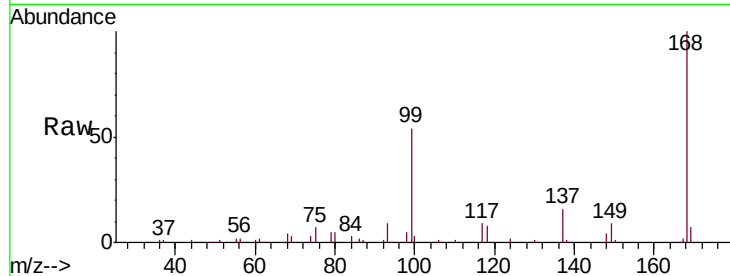




#36
 1,1-Dichloropropene
 Concen: 4.130 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU029241.D
 Acq: 21 Jan 2019 12:08

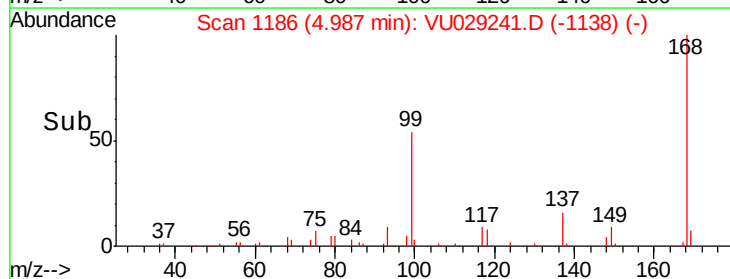
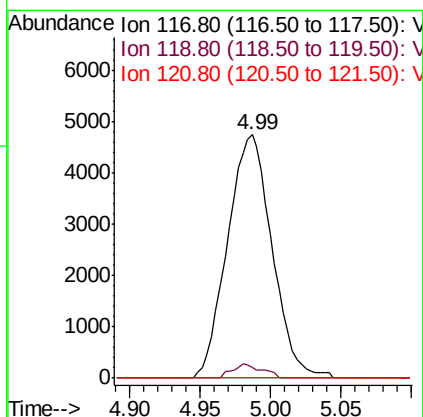
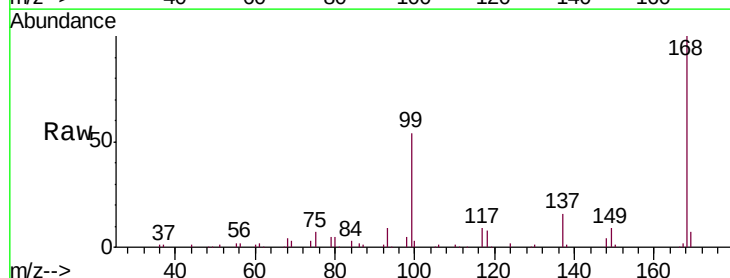
Instrument :
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 ClientSampleId :
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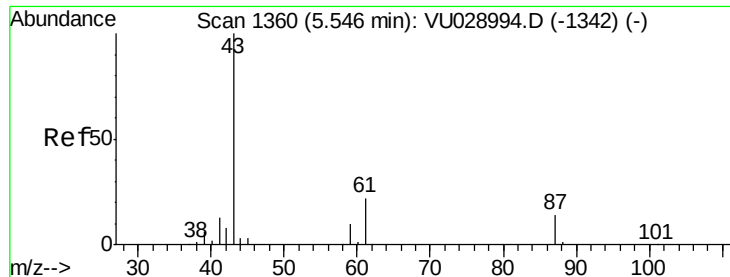
Tgt Ion: 75 Resp: 8501
 Ion Ratio Lower Upper
 75 100
 110 7.2 18.4 55.4#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.095 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.14 min
 Lab File: VU029241.D
 Acq: 21 Jan 2019 12:08

Tgt Ion: 117 Resp: 10464
 Ion Ratio Lower Upper
 117 100
 119 4.3 74.6 111.8#
 121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 2.453 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU029241.D

Acq: 21 Jan 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#02

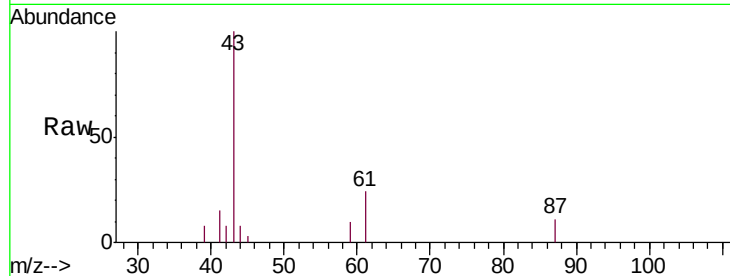
Tgt Ion: 43 Resp: 8502

Ion Ratio Lower Upper

43 100

61 21.7 17.8 26.6

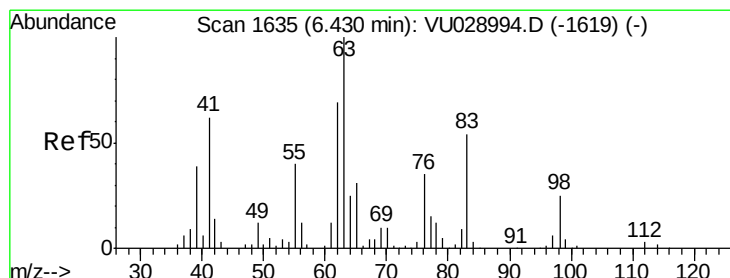
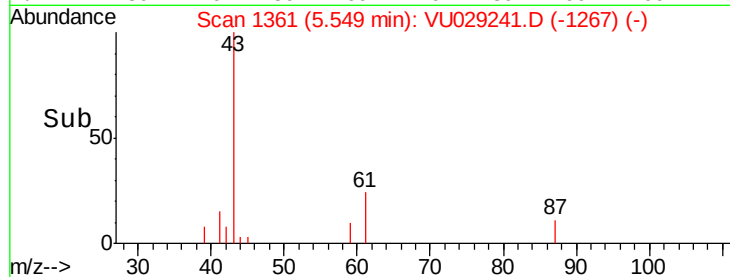
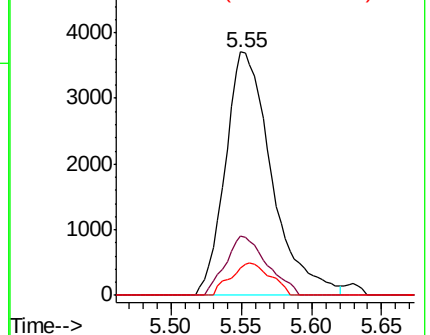
87 11.4 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU029241.D (-1267) (-)

Ion 61.00 (60.70 to 61.70): VU029241.D (-1267) (-)

Ion 87.00 (86.70 to 87.70): VU029241.D (-1267) (-)



#45

1,2-Dichloropropane

Concen: 0.438 ug/l

RT: 6.70 min Scan# 1719

Delta R.T. 0.27 min

Lab File: VU029241.D

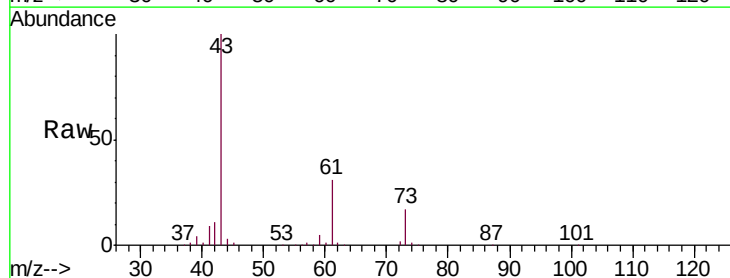
Acq: 21 Jan 2019 12:08

Tgt Ion: 63 Resp: 742

Ion Ratio Lower Upper

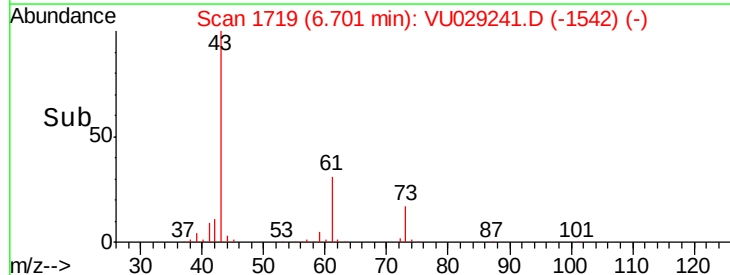
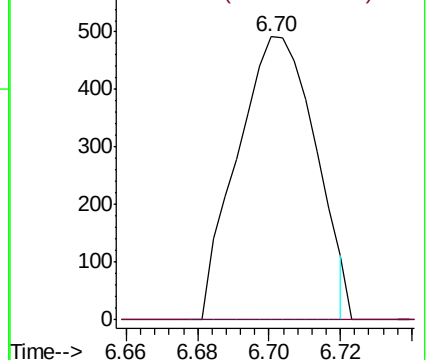
63 100

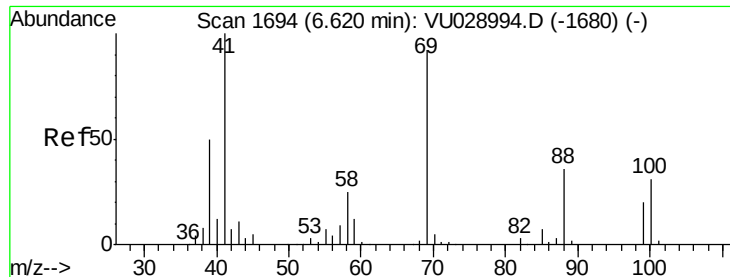
65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VU029241.D (-1542) (-)

Ion 64.90 (64.60 to 65.60): VU029241.D (-1542) (-)





#48

Methyl methacrylate

Concen: 34.275 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.08 min

Lab File: VU029241.D

Acq: 21 Jan 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#02

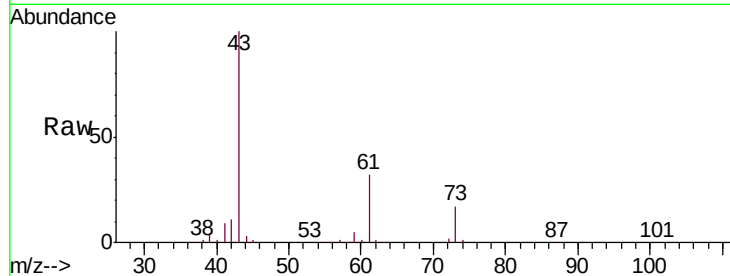
Tgt Ion: 41 Resp: 57844

Ion Ratio Lower Upper

41 100

69 0.0 73.6 110.4#

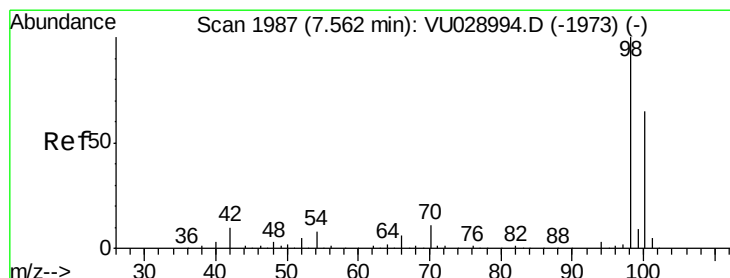
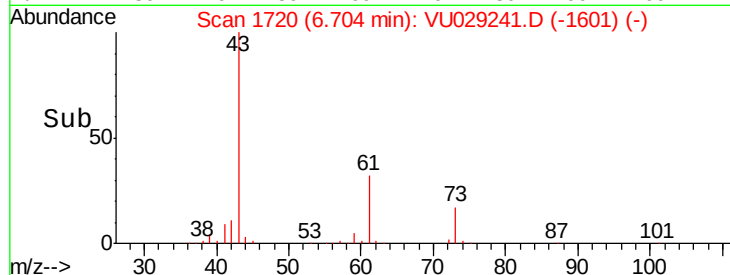
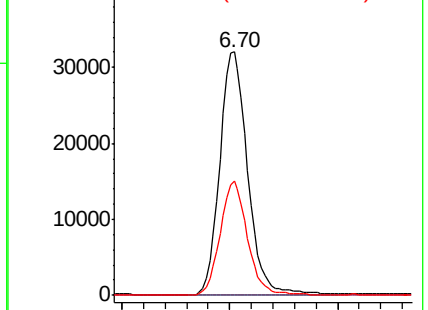
39 45.7 39.6 59.4



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#50

Toluene-d8

Concen: 50.564 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU029241.D

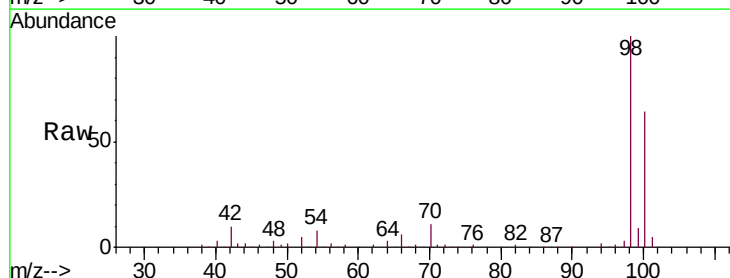
Acq: 21 Jan 2019 12:08

Tgt Ion: 98 Resp: 266472

Ion Ratio Lower Upper

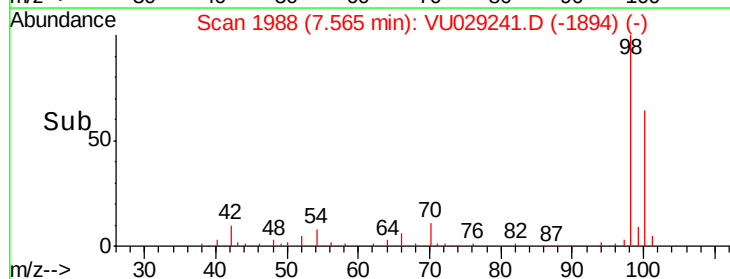
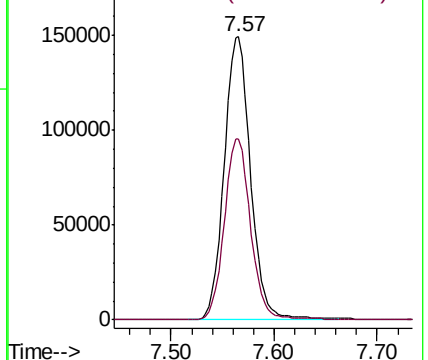
98 100

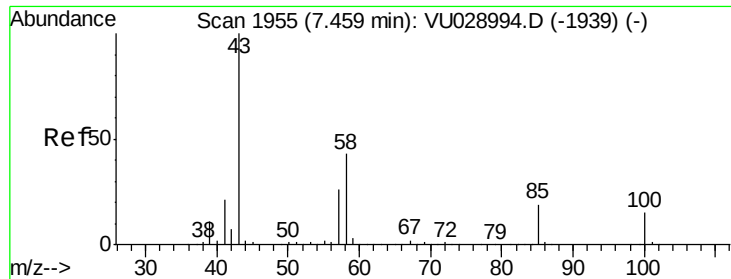
100 63.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

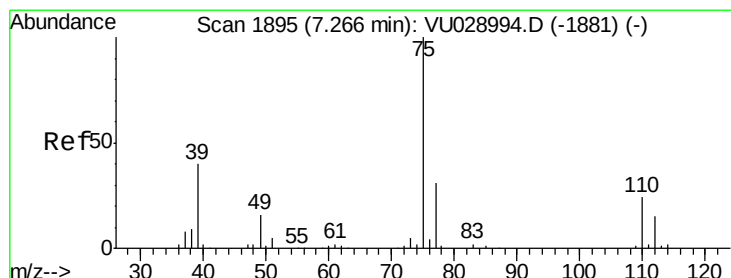
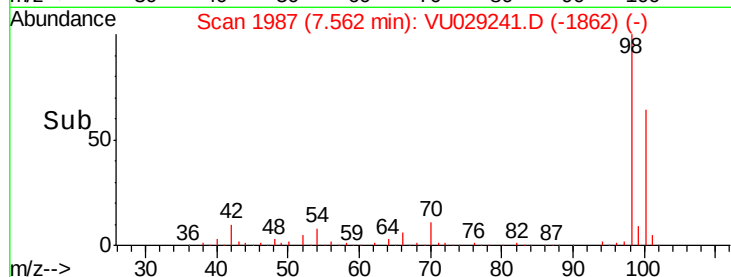
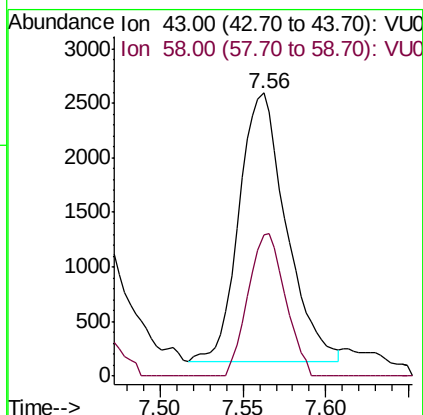
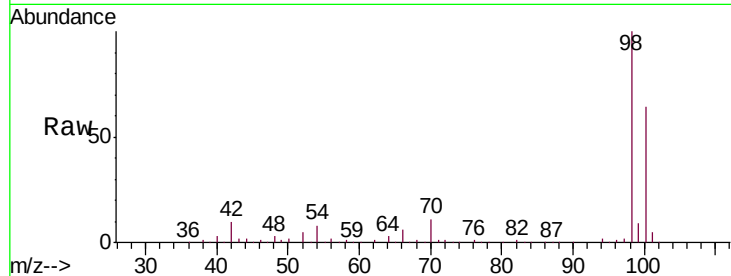




#51
 4-Methyl-2-Pentanone
 Concen: 2.055 ug/l
 RT: 7.56 min Scan# 1987
 Delta R.T. 0.10 min
 Lab File: VU029241.D
 Acq: 21 Jan 2019 12:08

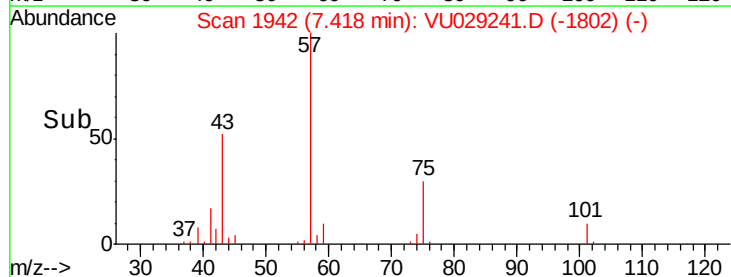
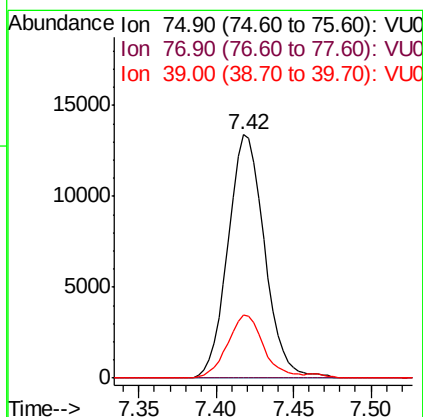
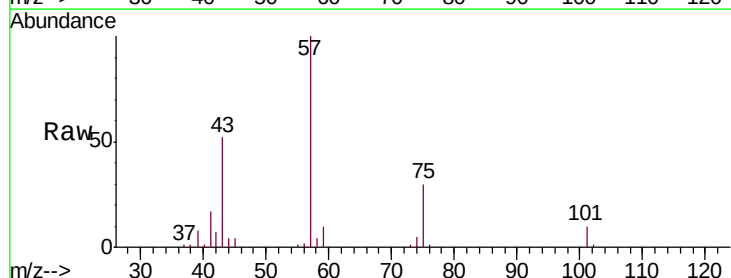
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#02

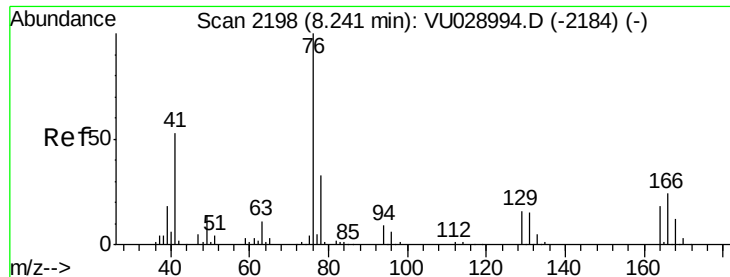
Tgt Ion: 43 Resp: 4847
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.9 50.9



#54
 cis-1,3-Dichloropropene
 Concen: 8.479 ug/l
 RT: 7.42 min Scan# 1942
 Delta R.T. 0.15 min
 Lab File: VU029241.D
 Acq: 21 Jan 2019 12:08

Tgt Ion: 75 Resp: 21963
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 25.7 32.2 48.4#

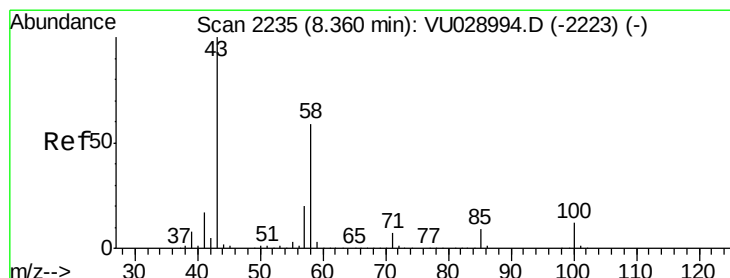
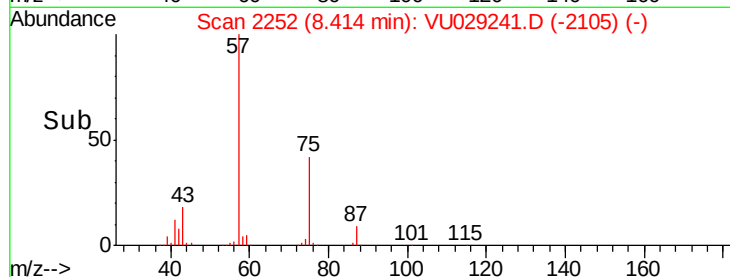
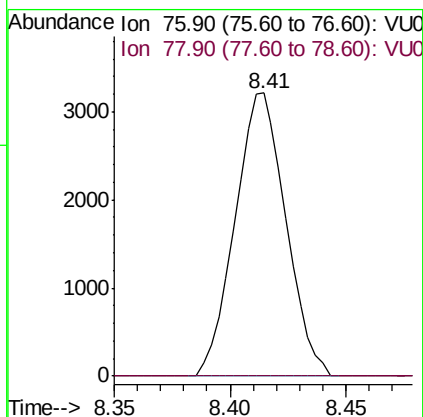
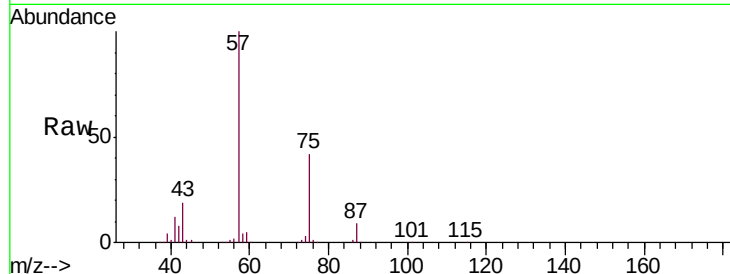




#57
 1,3-Dichloropropane
 Concen: 1.822 ug/l
 RT: 8.41 min Scan# 2252
 Delta R.T. 0.17 min
 Lab File: VU029241.D
 Acq: 21 Jan 2019 12:08

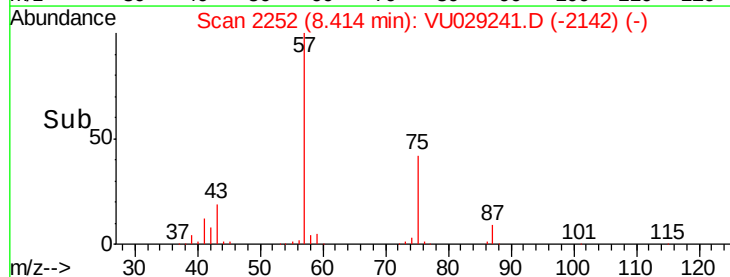
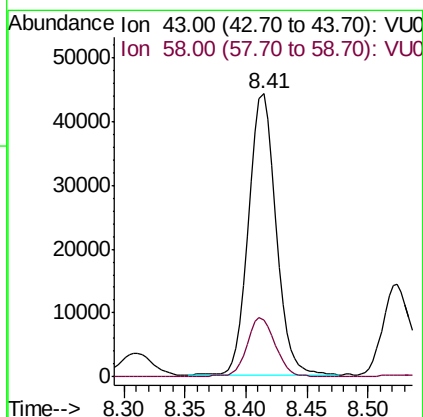
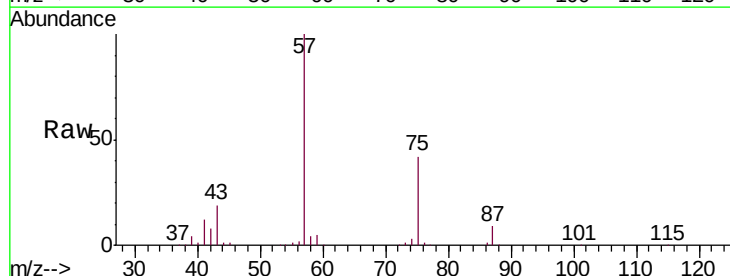
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#02

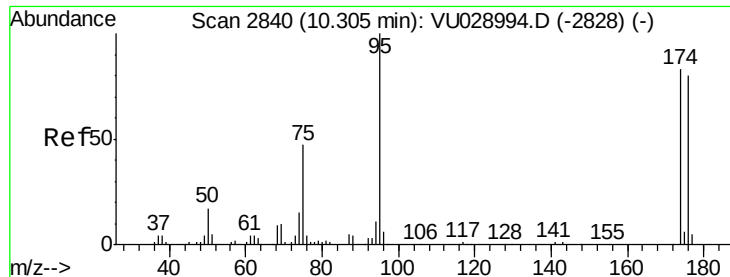
Tgt Ion: 76 Resp: 4883
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#



#59
 2-Hexanone
 Concen: 37.052 ug/l
 RT: 8.41 min Scan# 2252
 Delta R.T. 0.05 min
 Lab File: VU029241.D
 Acq: 21 Jan 2019 12:08

Tgt Ion: 43 Resp: 68602
 Ion Ratio Lower Upper
 43 100
 58 21.8 29.8 89.4#

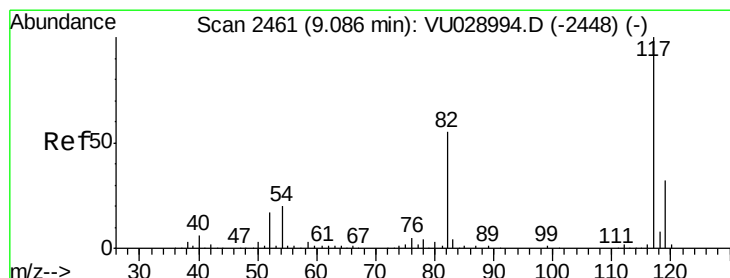
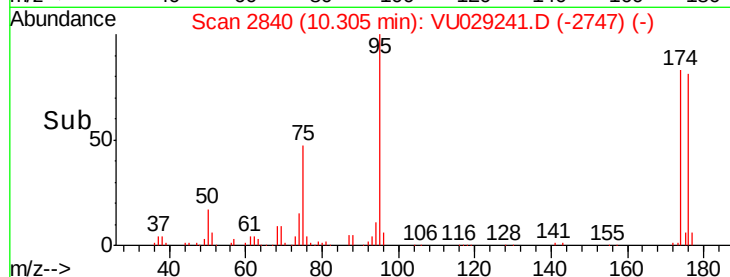
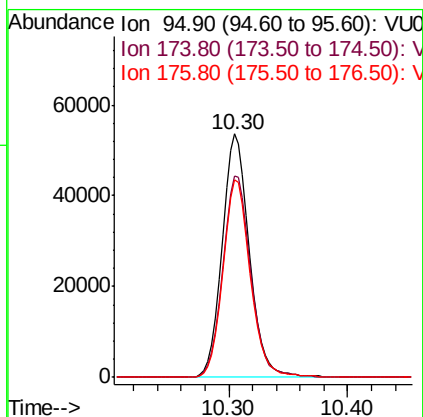
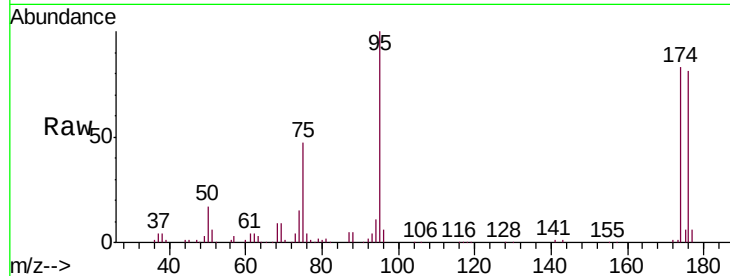




#62
4-Bromofluorobenzene
Concen: 44.807 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029241.D
Acq: 21 Jan 2019 12:08

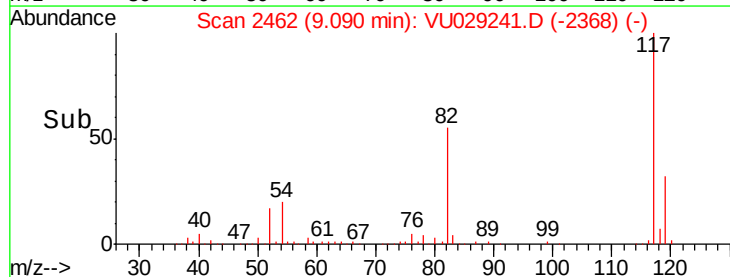
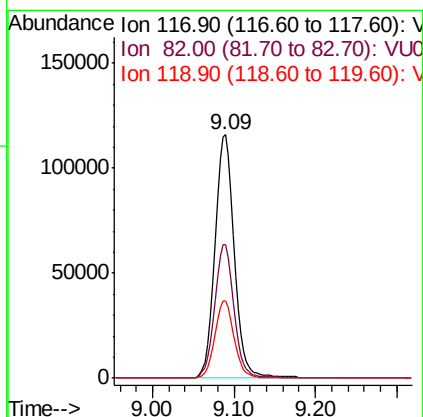
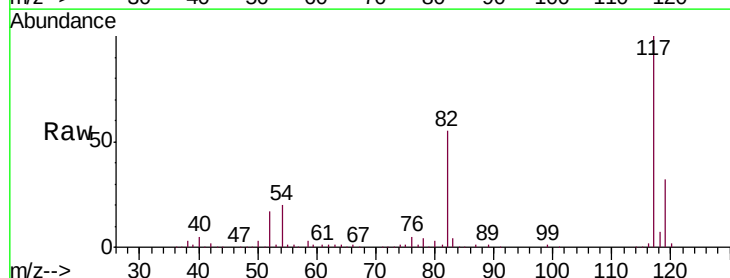
Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#02

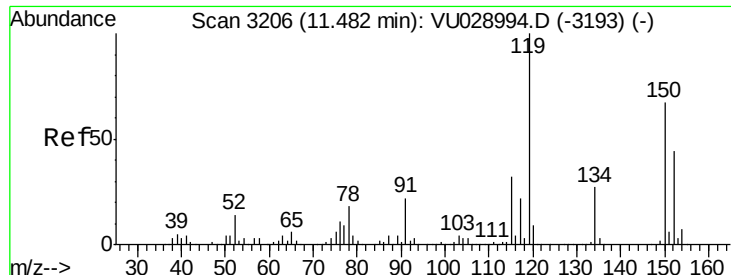
Tgt Ion: 95 Resp: 84862
Ion Ratio Lower Upper
95 100
174 85.1 0.0 170.6
176 81.9 0.0 165.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029241.D
Acq: 21 Jan 2019 12:08

Tgt Ion: 117 Resp: 195267
Ion Ratio Lower Upper
117 100
82 54.9 43.9 65.9
119 31.6 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029241.D

Acq: 21 Jan 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#02

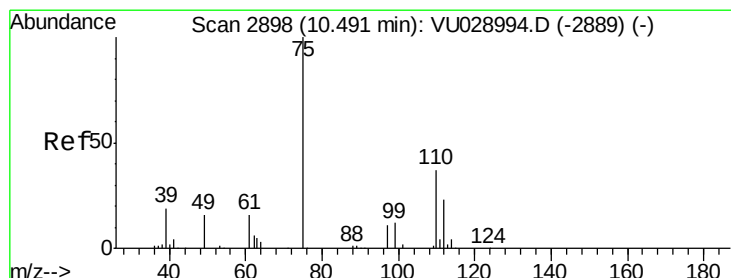
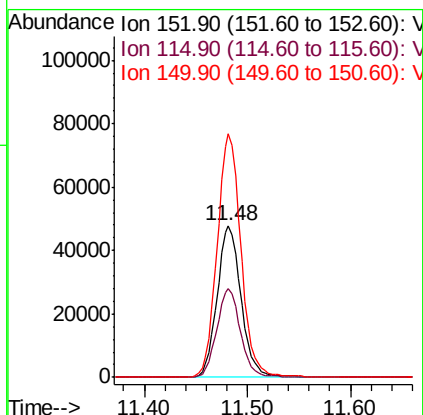
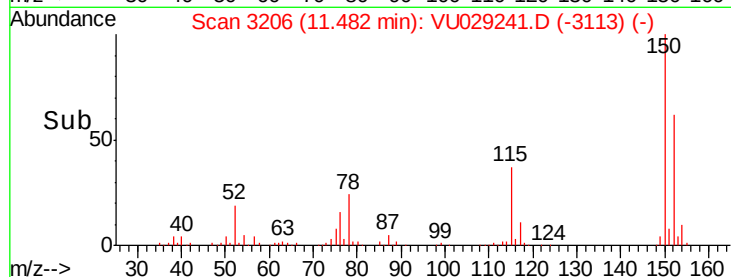
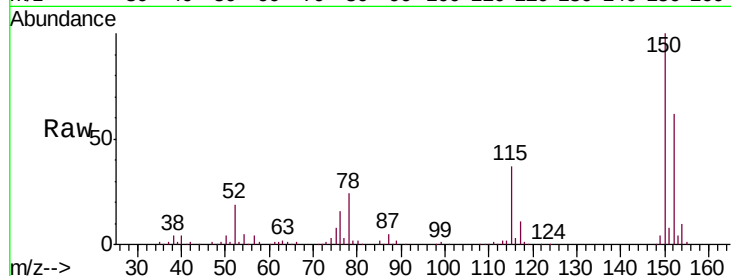
Tgt Ion:152 Resp: 77140

Ion Ratio Lower Upper

152 100

115 57.6 40.1 120.3

150 159.2 0.0 345.2



#76

1,2,3-Trichloropropane

Concen: 21.527 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029241.D

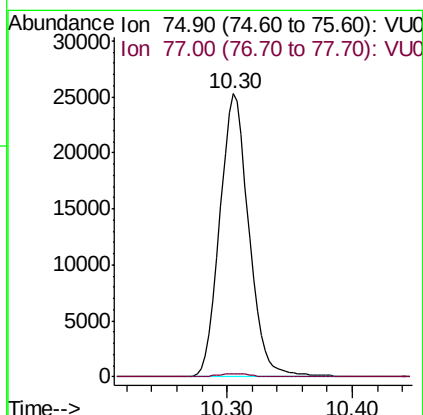
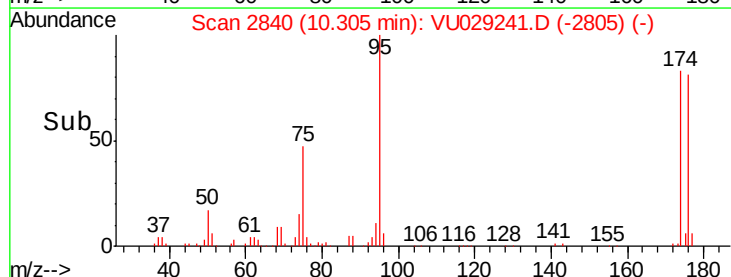
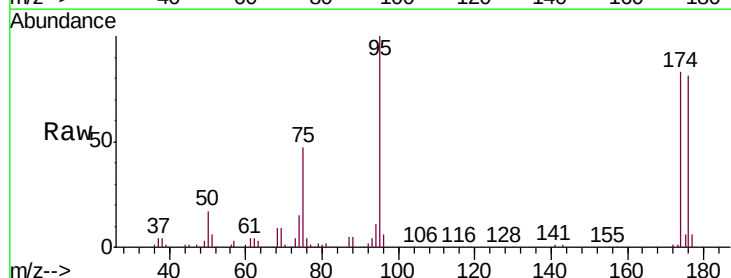
Acq: 21 Jan 2019 12:08

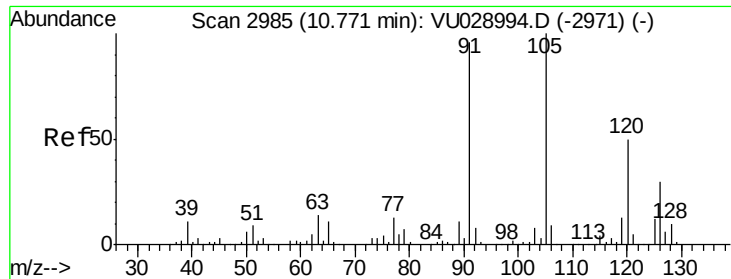
Tgt Ion: 75 Resp: 40688

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.8#

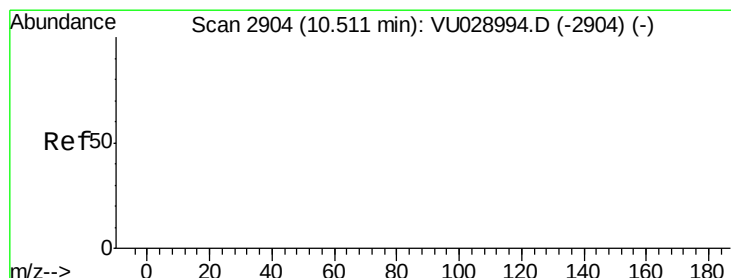
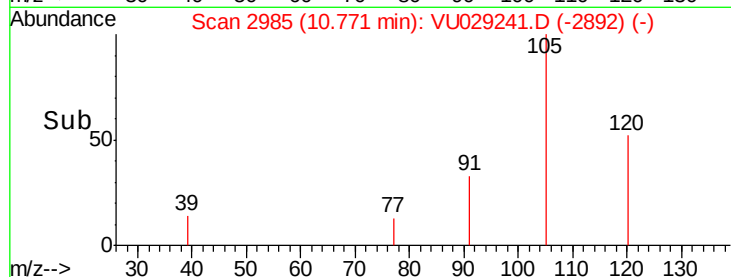
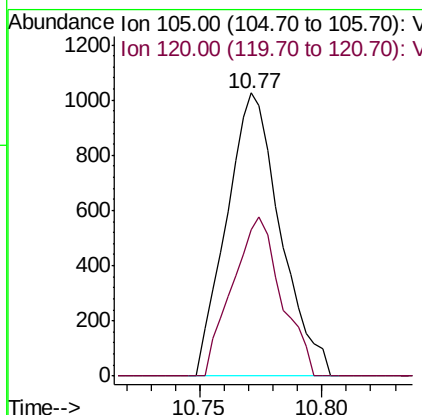
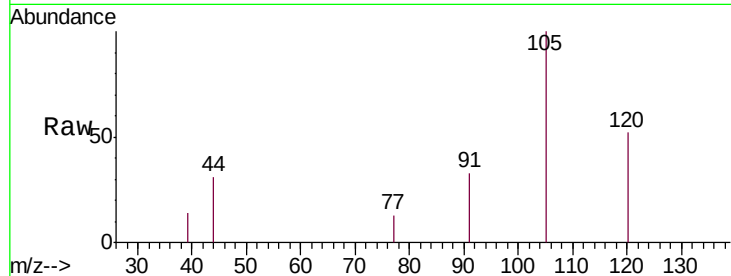




#80
 1,3,5-Trimethylbenzene
 Concen: 0.329 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU029241.D
 Acq: 21 Jan 2019 12:08

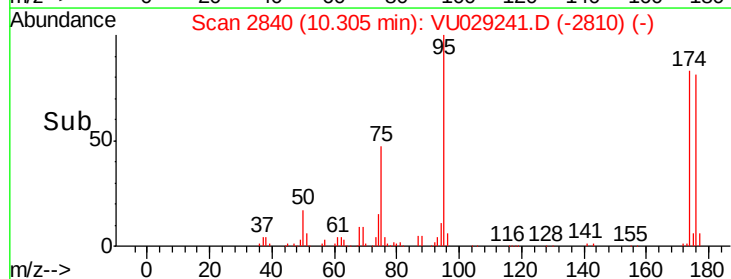
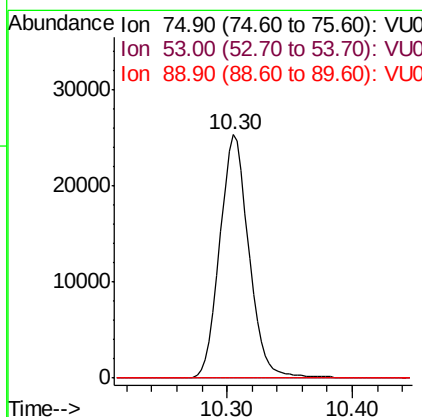
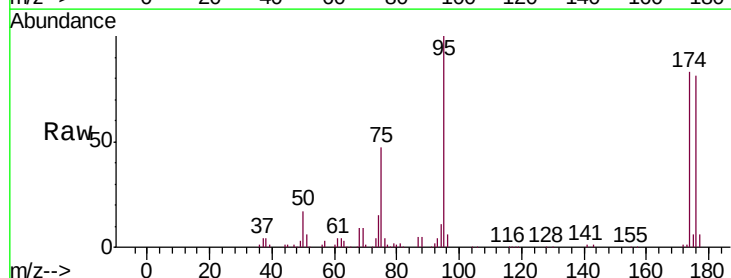
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#02

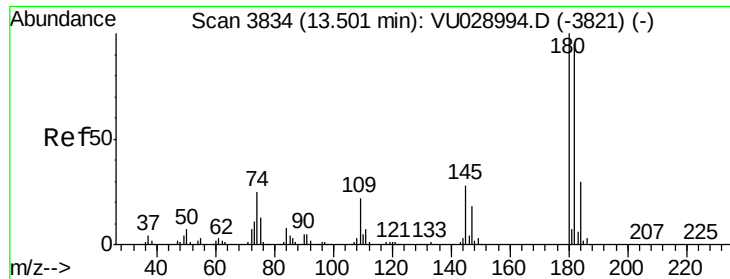
Tgt Ion:105 Resp: 1569
 Ion Ratio Lower Upper
 105 100
 120 51.1 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.520 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.21 min
 Lab File: VU029241.D
 Acq: 21 Jan 2019 12:08

Tgt Ion: 75 Resp: 40688
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

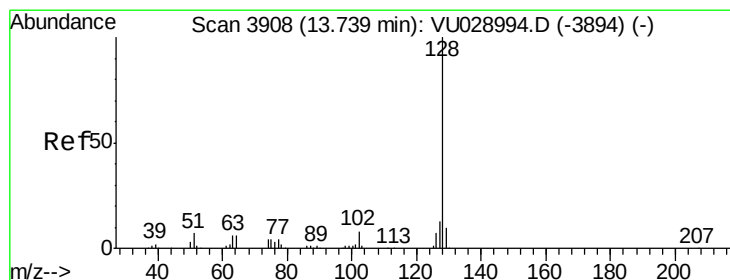
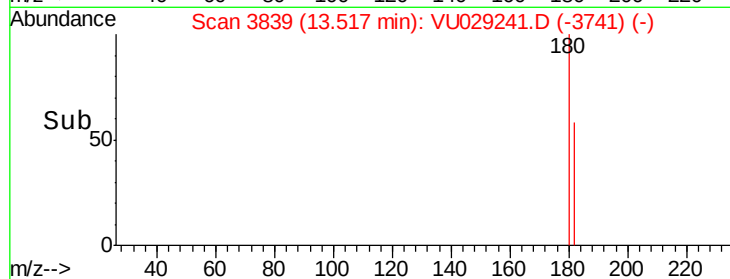
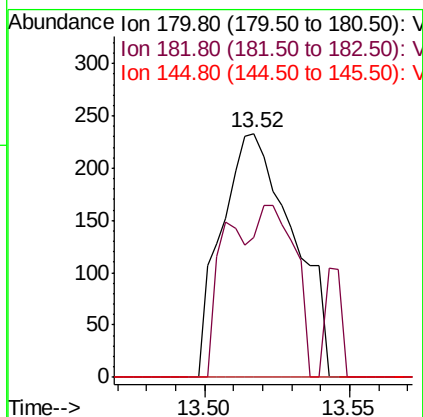
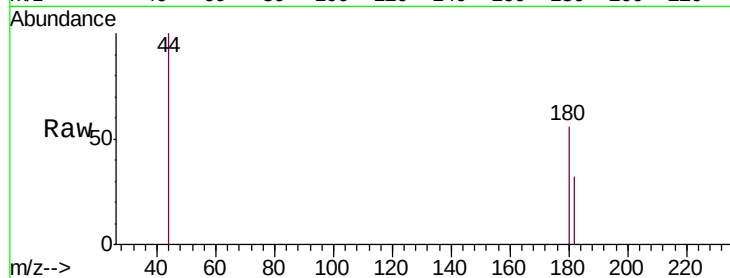




#93
 1,2,4-Trichlorobenzene
 Concen: 0.228 ug/l
 RT: 13.52 min Scan# 3839
 Delta R.T. 0.02 min
 Lab File: VU029241.D
 Acq: 21 Jan 2019 12:08

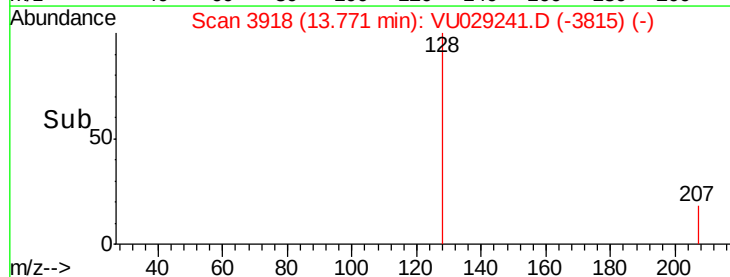
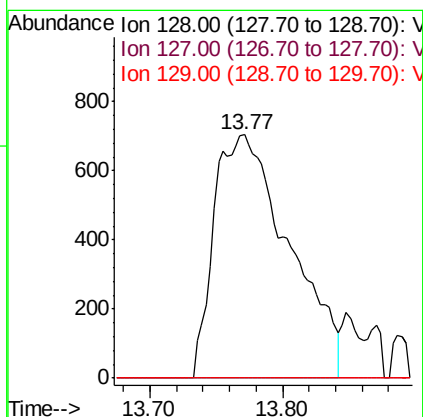
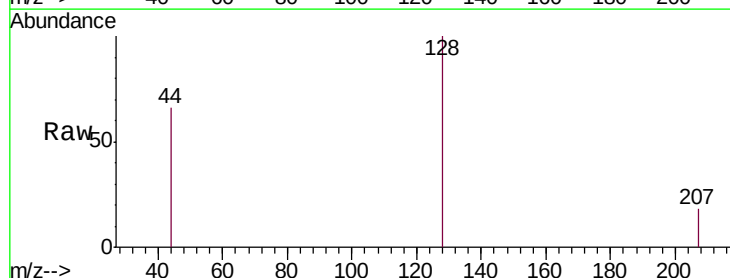
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#02

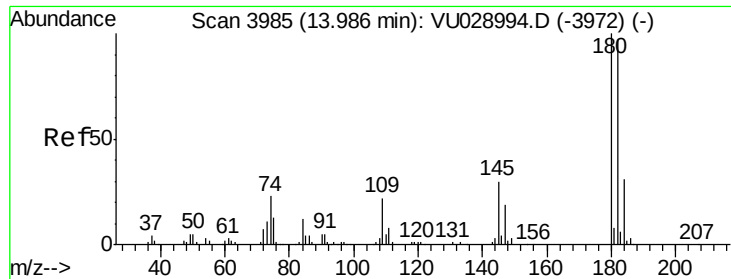
Tgt Ion:180 Resp: 400
 Ion Ratio Lower Upper
 180 100
 182 34.5 47.5 142.6#
 145 0.0 14.0 42.0#



#95
 Naphthalene
 Concen: 0.465 ug/l
 RT: 13.77 min Scan# 3918
 Delta R.T. 0.03 min
 Lab File: VU029241.D
 Acq: 21 Jan 2019 12:08

Tgt Ion:128 Resp: 2775
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.1 15.1#
 129 0.0 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.126 ug/l
 RT: 14.00 min Scan# 3989
 Delta R.T. 0.01 min
 Lab File: VU029241.D
 Acq: 21 Jan 2019 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.1	144.3
145	0.0	14.8	44.4

