

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027966.D
 Acq On : 05 Nov 2018 18:37
 Operator : MD/SY
 Sample : J5816-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-4A-D

Quant Time: Nov 06 03:26:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	189499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	346625	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	307612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	128134	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	154287	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
35) Dibromofluoromethane	4.89	113	114438	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
50) Toluene-d8	7.57	98	445468	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
62) 4-Bromofluorobenzene	10.31	95	146988	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	

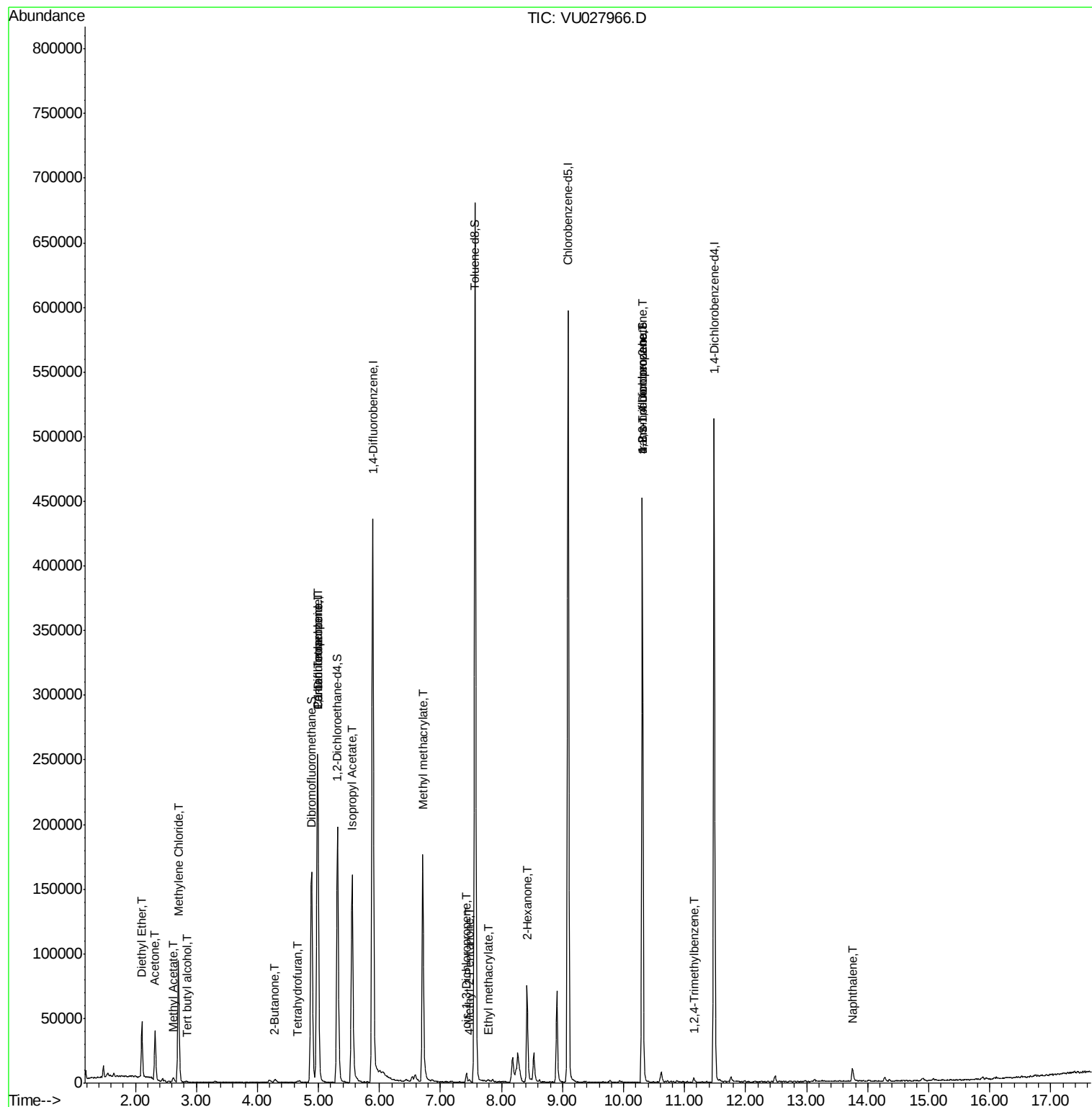
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.11	74	13028	9.110	ug/l	94
11) Tert butyl alcohol	2.84	59	780	1.046	ug/l #	73
13) Acrolein	2.20	56	159	Below Cal		94
16) Acetone	2.32	43	40872	23.382	ug/l	98
18) Methyl Acetate	2.62	43	5563	1.157	ug/l #	88
20) Methylene Chloride	2.70	84	40301	15.791	ug/l	97
25) 2-Butanone	4.29	43	4332	1.558	ug/l #	89
29) Tetrahydrofuran	4.66	42	675	0.364	ug/l #	68
31) Cyclohexane	4.98	56	4154	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	16523	4.551	ug/l #	49
38) Carbon Tetrachloride	4.99	117	18176	5.650	ug/l #	17
43) Isopropyl Acetate	5.55	43	195298	23.435	ug/l	100
48) Methyl methacrylate	6.71	41	15820	3.874	ug/l #	46
51) 4-Methyl-2-Pentanone	7.46	43	1161	0.209	ug/l #	83
54) cis-1,3-Dichloropropene	7.42	75	1043	0.239	ug/l #	61
56) Ethyl methacrylate	7.78	69	1461	0.312	ug/l #	79
59) 2-Hexanone	8.42	43	11224	2.607	ug/l #	58
76) 1,2,3-Trichloropropane	10.31	75	77474	22.105	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	77474	55.164	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	2305	0.278	ug/l	94
95) Naphthalene	13.75	128	11019	0.870	ug/l	98

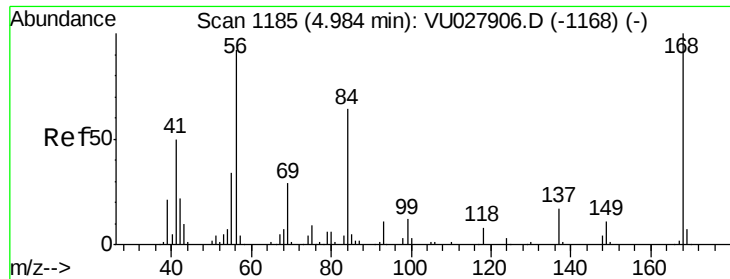
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027966.D

Acq: 05 Nov 2018 18:37

Instrument :

MSVOA_U

ClientSampleId :

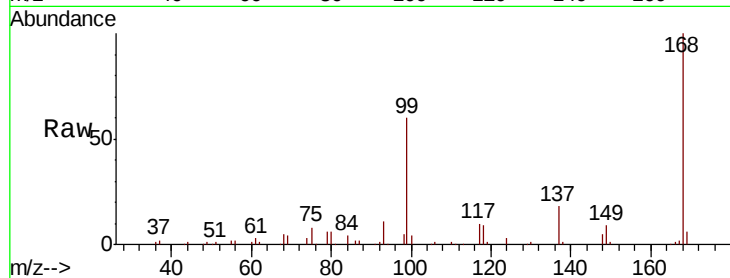
TP-4A-D

Tot Ion:168 Resp: 189499

Ion Ratio Lower Upper

168 100

99 59.6 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.99

80000

60000

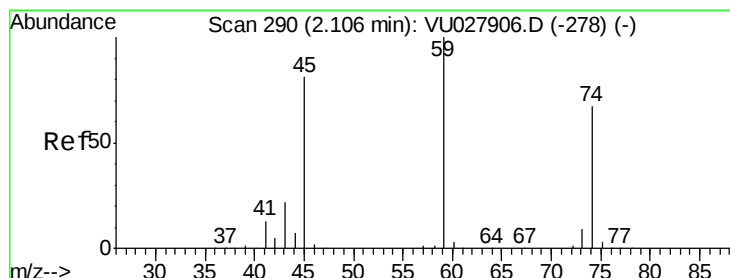
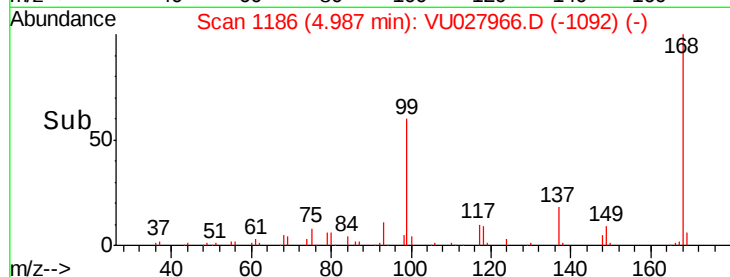
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#8

Diethyl Ether

Concen: 9.110 ug/l

RT: 2.11 min Scan# 290

Delta R.T. -0.00 min

Lab File: VU027966.D

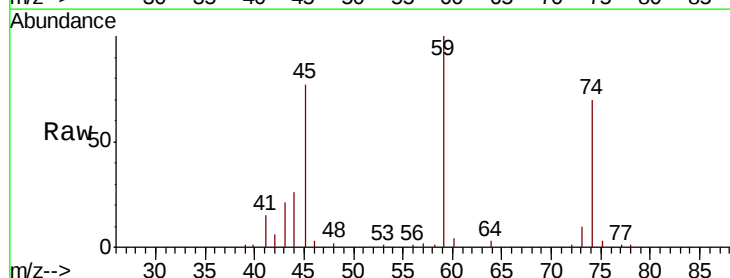
Acq: 05 Nov 2018 18:37

Tgt Ion: 74 Resp: 13028

Ion Ratio Lower Upper

74 100

45 114.4 60.5 181.5



Abundance Ion 74.00 (73.70 to 74.70): VU027906.D (-278) (-)

Ion 45.00 (44.70 to 45.70): VU027906.D (-278) (-)

2.11

12000

10000

8000

6000

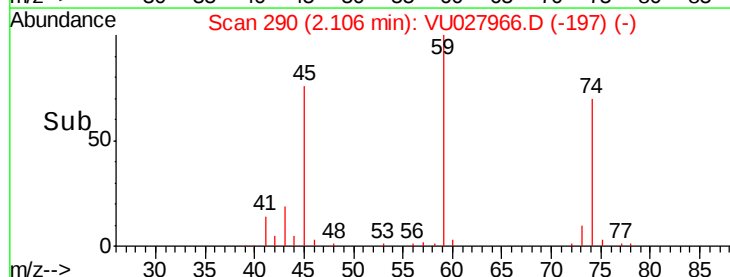
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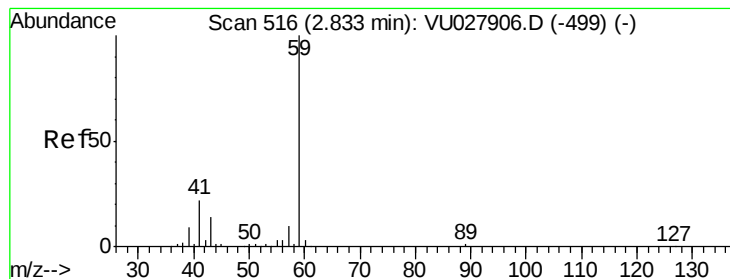
2000

0

Time-->

2.05 2.10 2.15



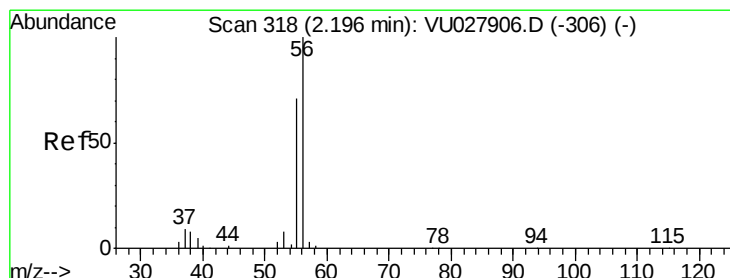
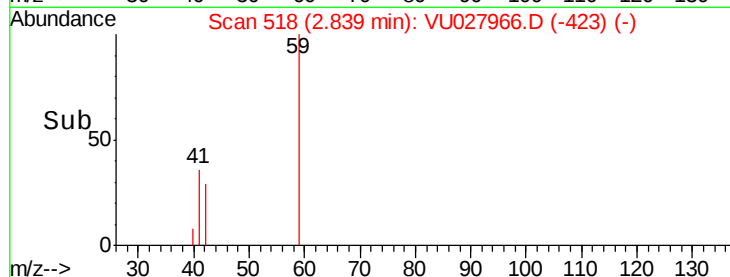
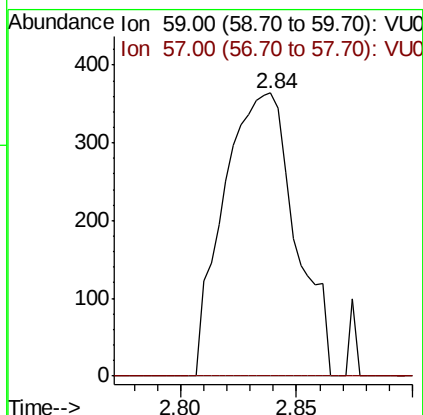
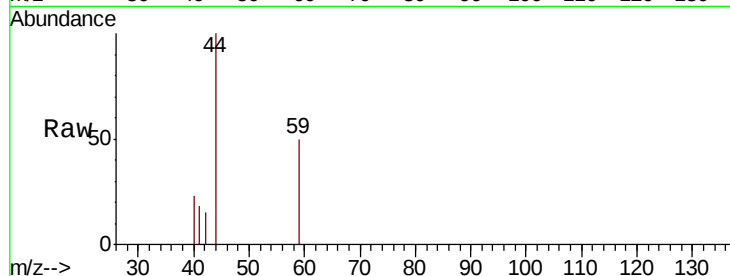


#11

Tert butyl alcohol
 Concen: 1.046 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU027966.D
 Acq: 05 Nov 2018 18:37

Instrument :
 MSVOA_U
 ClientSampled :
 TP-4A-D

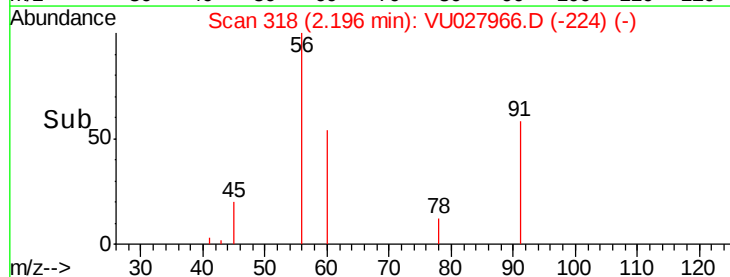
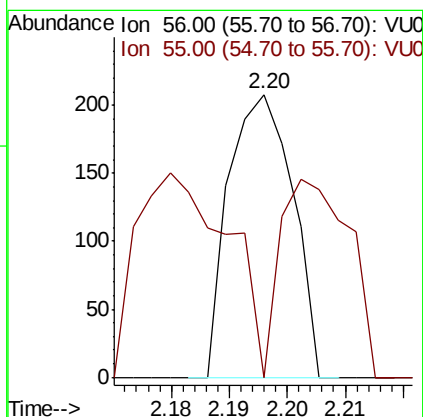
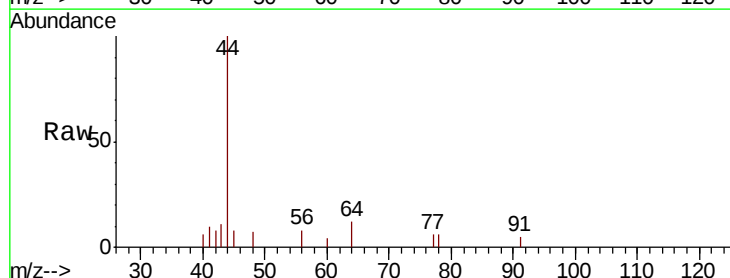
Tot Ion: 59 Resp: 780
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

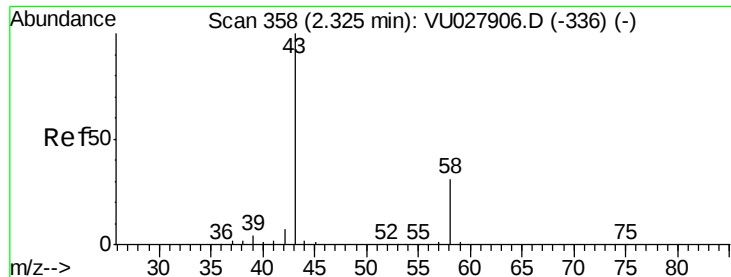


#13

Acrolein
 Concen: Below Cal
 RT: 2.20 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: VU027966.D
 Acq: 05 Nov 2018 18:37

Tgt Ion: 56 Resp: 159
 Ion Ratio Lower Upper
 56 100
 55 75.5 56.2 84.4





#16

Acetone

Concen: 23.382 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027966.D

Acq: 05 Nov 2018 18:37

Instrument :

MSVOA_U

ClientSampleId :

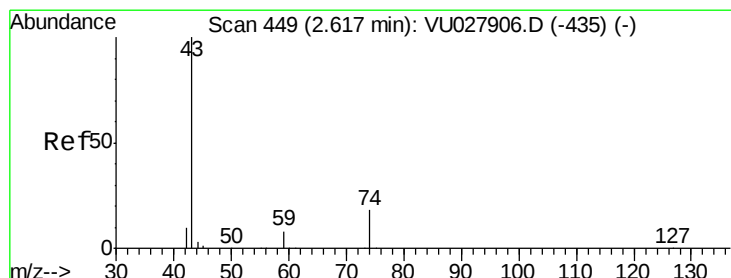
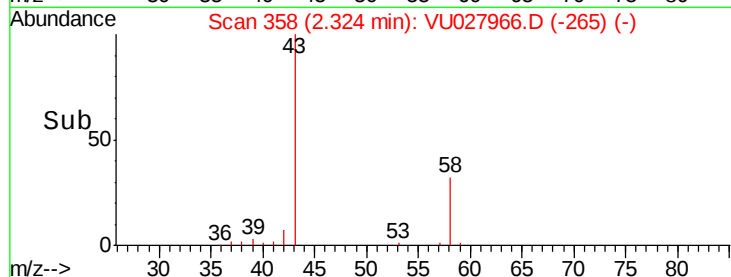
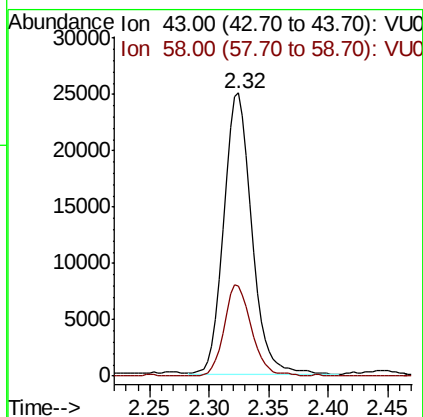
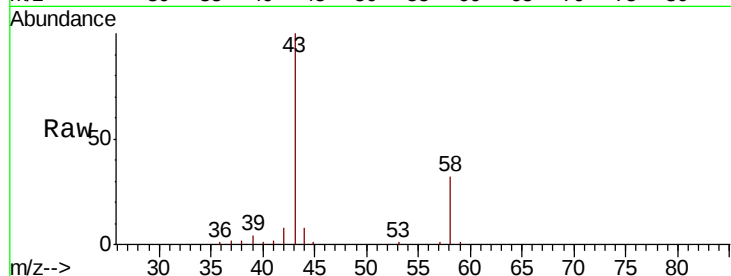
TP-4A-D

Tot Ion: 43 Resp: 40872

Ion Ratio Lower Upper

43 100

58 32.2 24.6 37.0



#18

Methyl Acetate

Concen: 1.157 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU027966.D

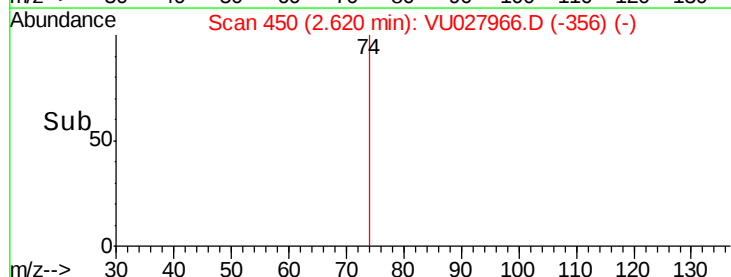
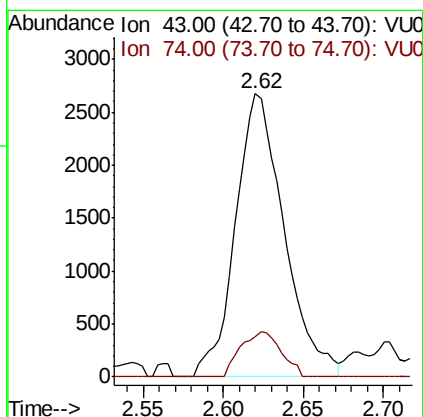
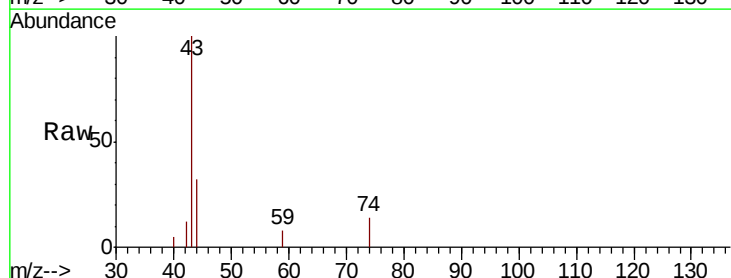
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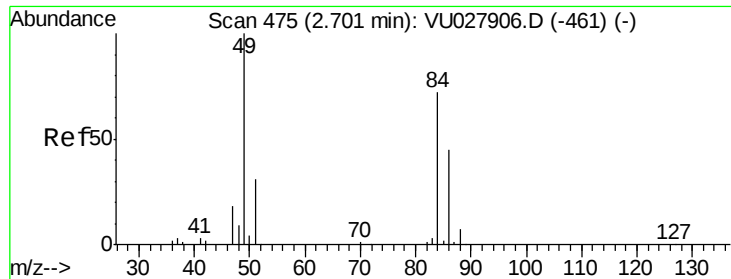
Tgt Ion: 43 Resp: 5563

Ion Ratio Lower Upper

43 100

74 13.2 14.9 22.3#

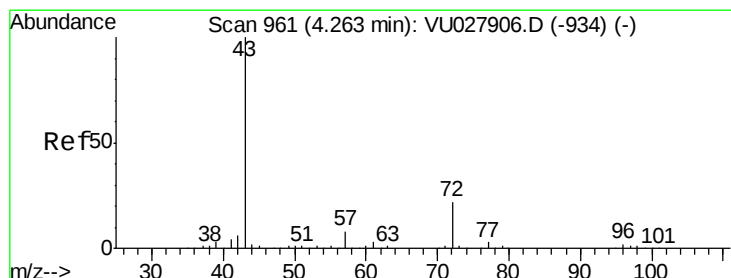
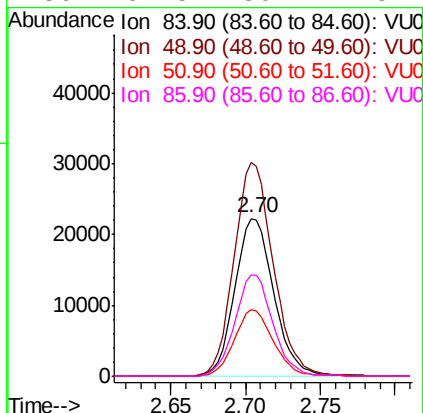
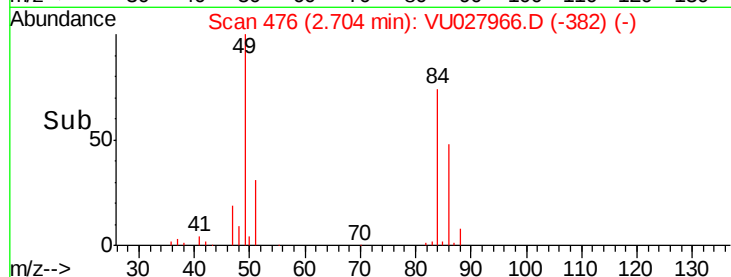
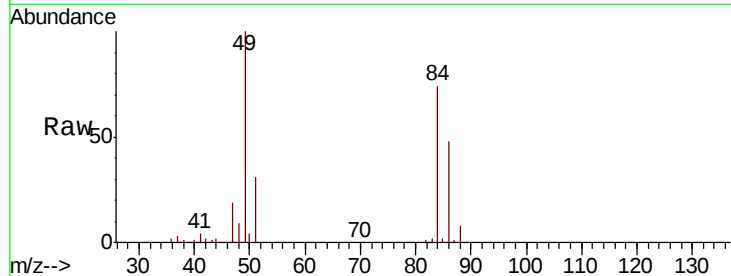




#20
Methvlene Chloride
Concen: 15.791 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027966.D
Acq: 05 Nov 2018 18:37

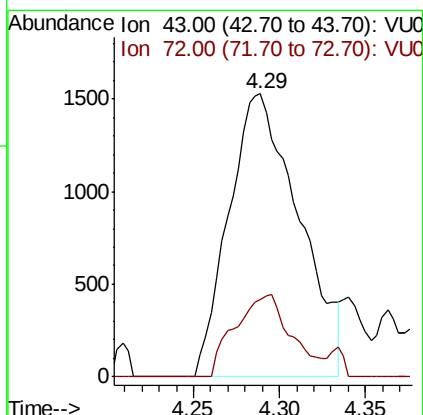
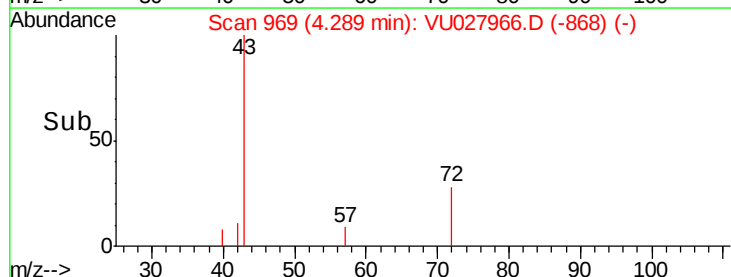
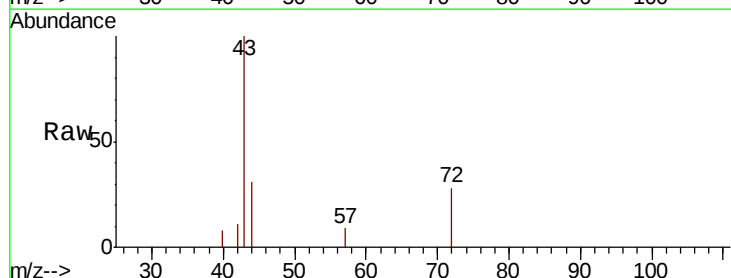
Instrument :
MSVOA_U
ClientSampleId :
TP-4A-D

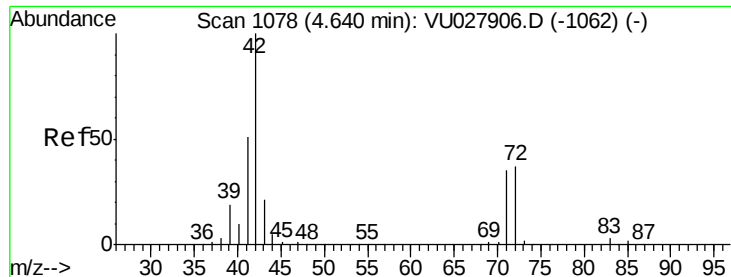
Tot Ion: 84 Resp: 40301
Ion Ratio Lower Upper
84 100
49 135.6 111.6 167.4
51 42.2 34.8 52.2
86 64.5 50.1 75.1



#25
2-Butanone
Concen: 1.558 ug/l
RT: 4.29 min Scan# 969
Delta R.T. 0.03 min
Lab File: VU027966.D
Acq: 05 Nov 2018 18:37

Tgt Ion: 43 Resp: 4332
Ion Ratio Lower Upper
43 100
72 27.5 17.7 26.5#





#29

Tetrahydrofuran

Concen: 0.364 ug/l

RT: 4.66 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VU027966.D

Acq: 05 Nov 2018 18:37

Instrument :

MSVOA_U

ClientSampleId :

TP-4A-D

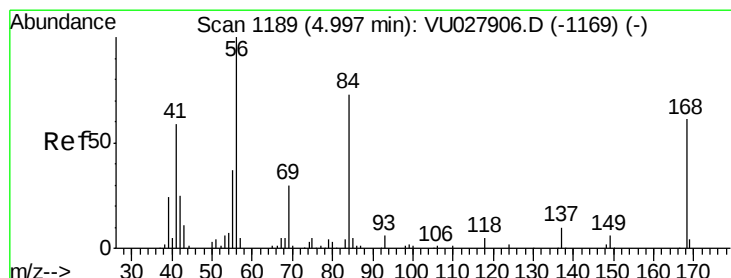
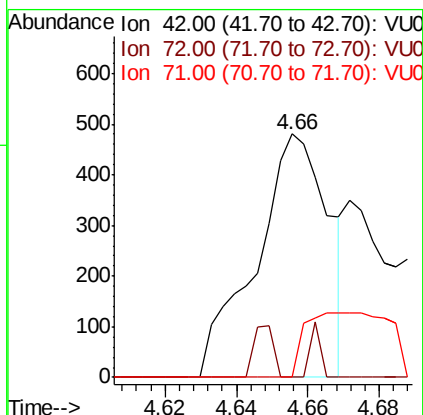
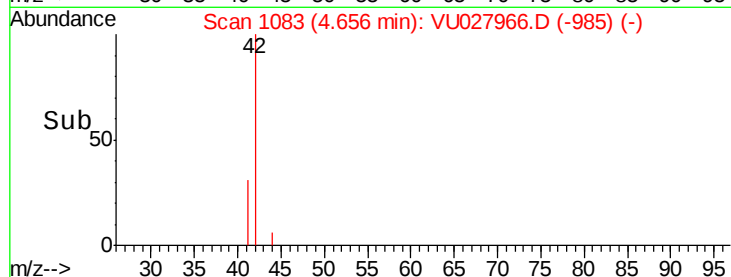
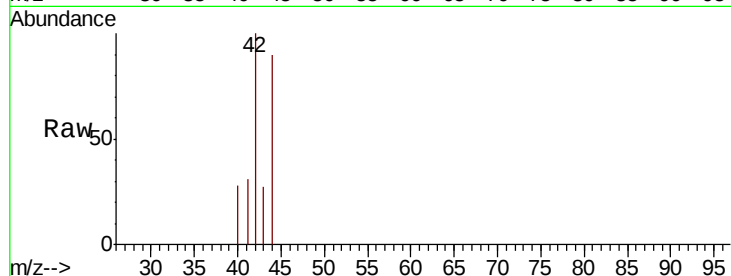
Tot Ion: 42 Resp: 675

Ion Ratio Lower Upper

42 100

72 3.1 29.4 44.0#

71 31.0 27.9 41.9



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU027966.D

Acq: 05 Nov 2018 18:37

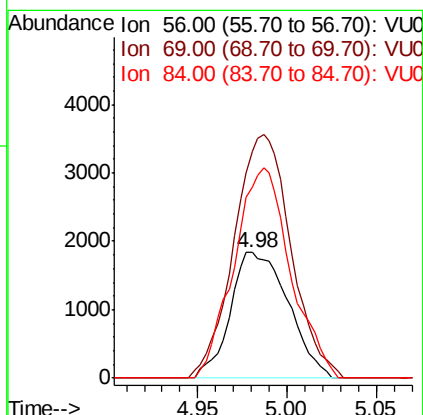
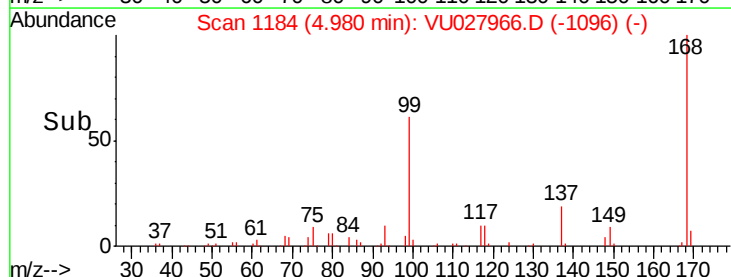
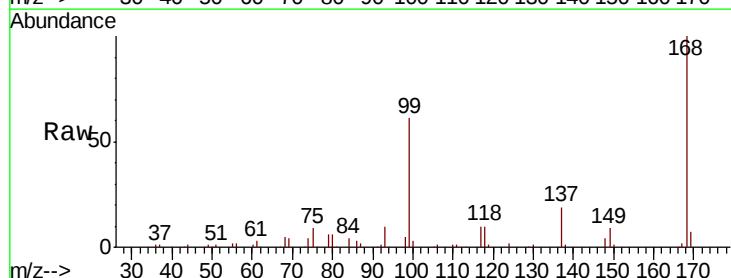
Tgt Ion: 56 Resp: 4154

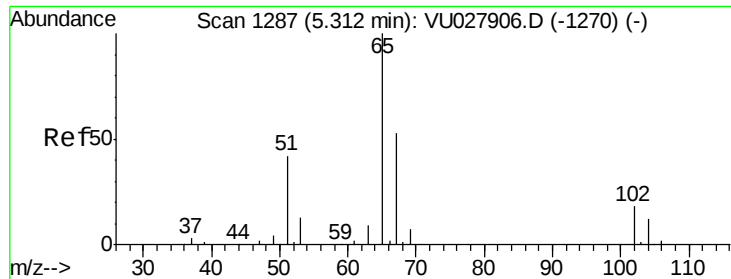
Ion Ratio Lower Upper

56 100

69 180.7 23.7 35.5#

84 152.6 58.2 87.4#

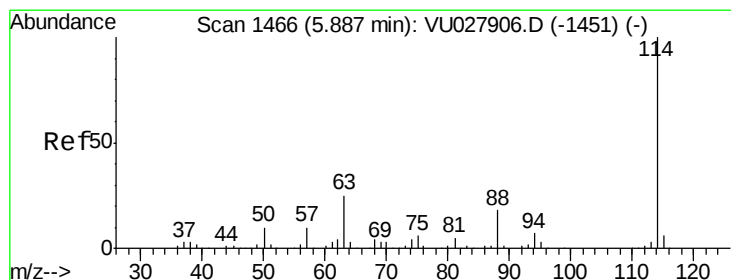
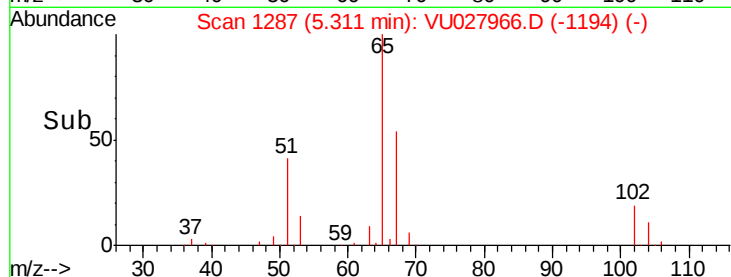
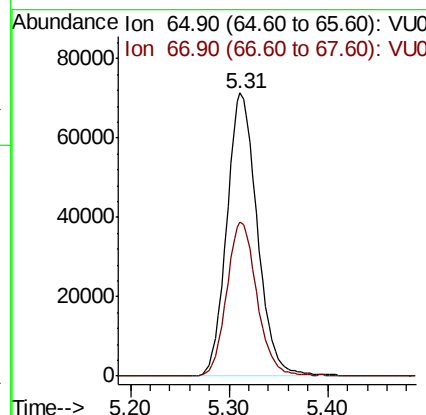
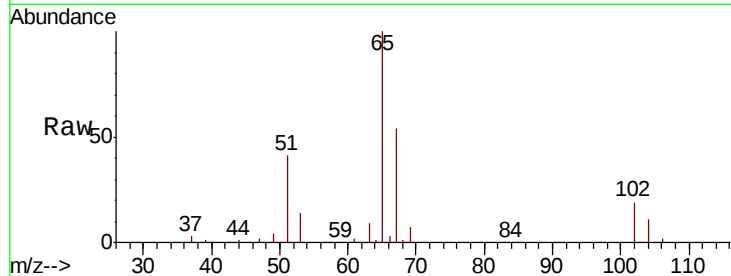




#33
 1,2-Dichloroethane-d4
 Concen: 54.763 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027966.D
 Acq: 05 Nov 2018 18:37

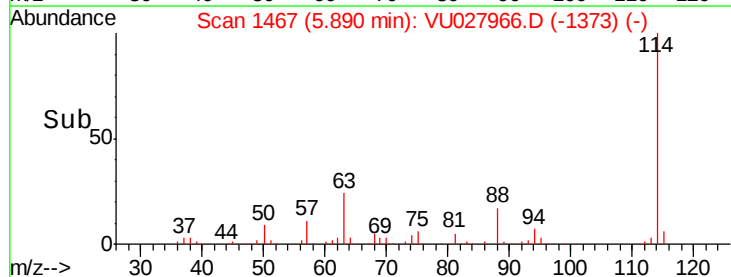
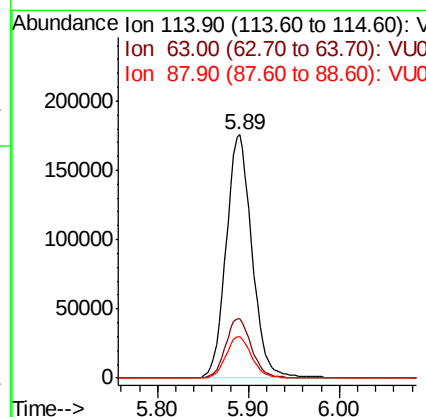
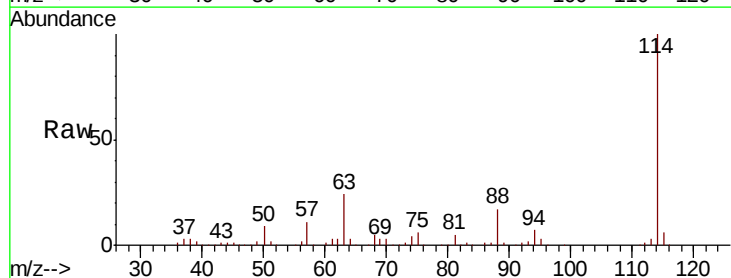
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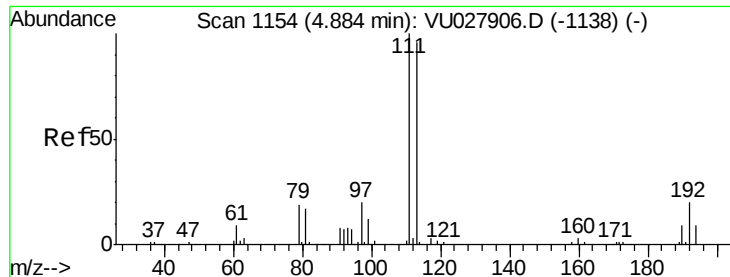
Tot Ion: 65 Resp: 154287
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027966.D
 Acq: 05 Nov 2018 18:37

Tgt Ion: 114 Resp: 346625
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 50.8
 88 17.2 0.0 35.8

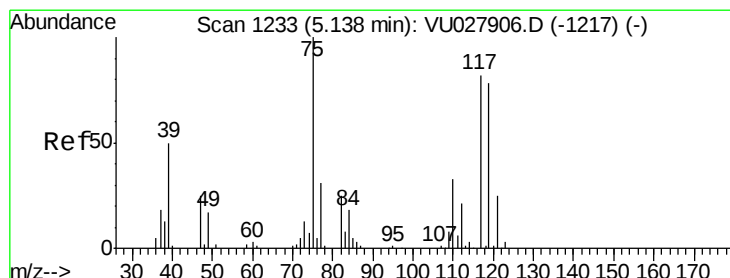
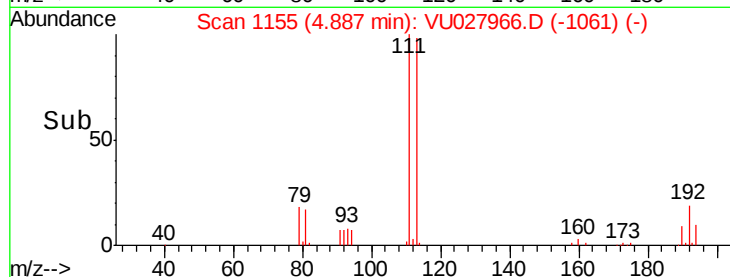
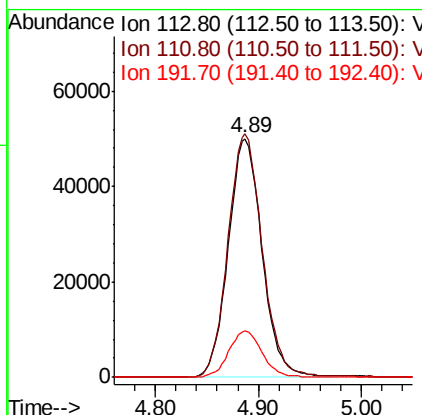
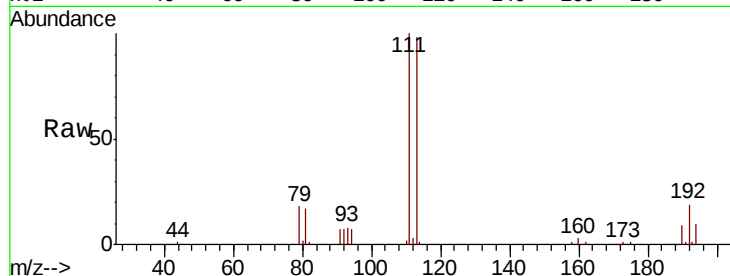




#35
 Dibromofluoromethane
 Concen: 52.362 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027966.D
 Acq: 05 Nov 2018 18:37

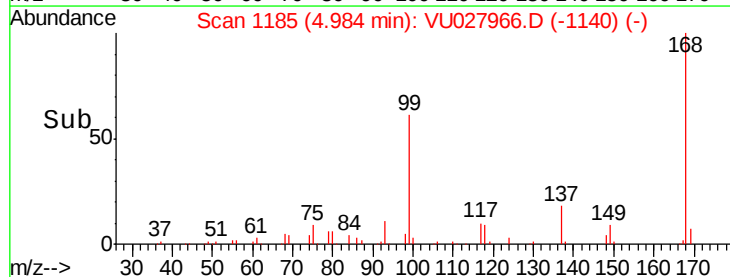
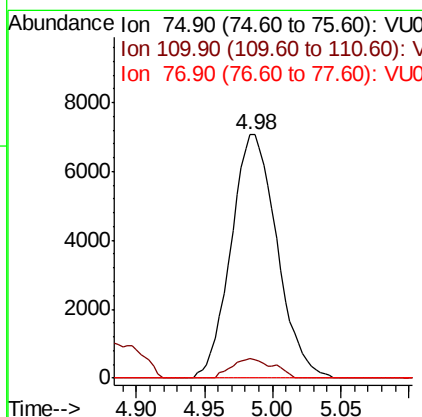
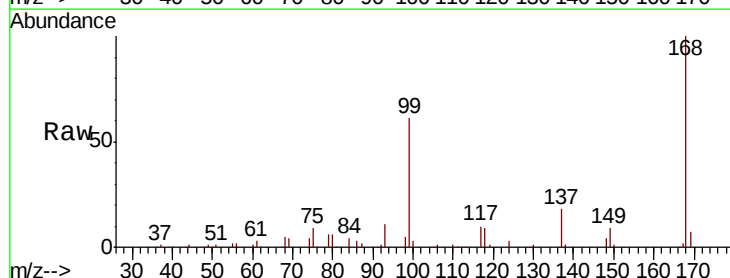
Instrument :
 MSVOA_U
 ClientSampleId :
 TP-4A-D

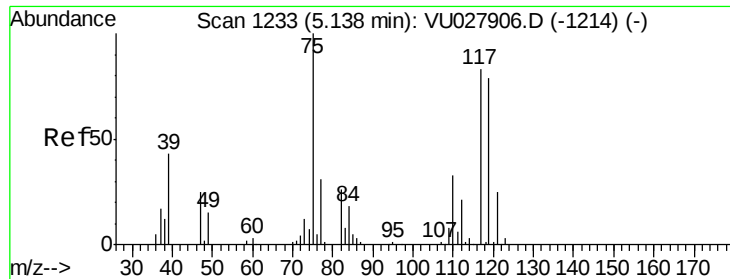
Tot Ion:113 Resp: 114438
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.0 124.6
 192 19.1 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 4.551 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027966.D
 Acq: 05 Nov 2018 18:37

Tgt Ion: 75 Resp: 16523
 Ion Ratio Lower Upper
 75 100
 110 7.2 16.5 49.5#
 77 0.0 24.9 37.3#

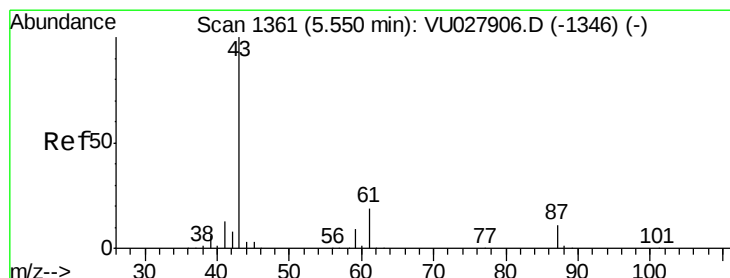
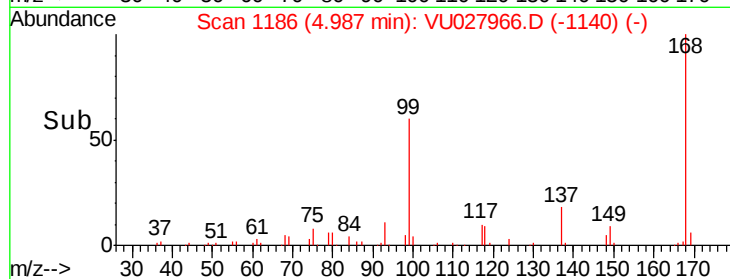
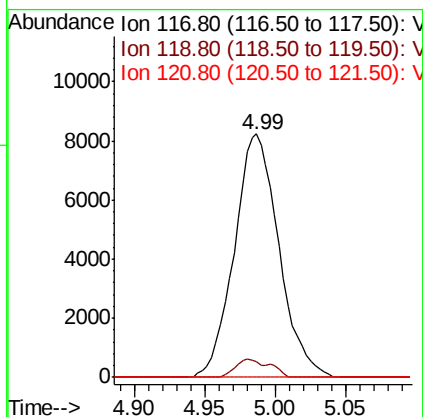
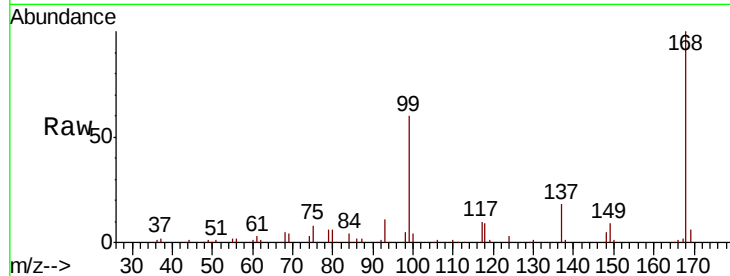




#38
 Carbon Tetrachloride
 Concen: 5.650 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027966.D
 Acq: 05 Nov 2018 18:37

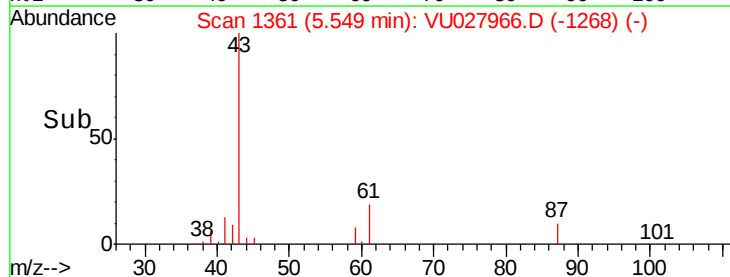
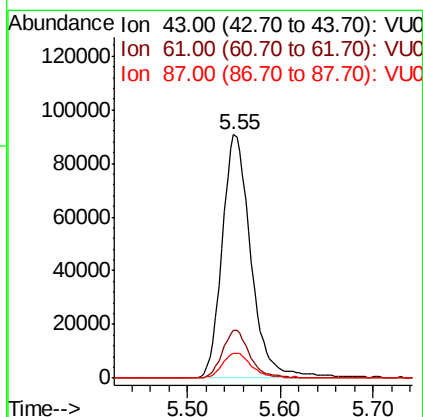
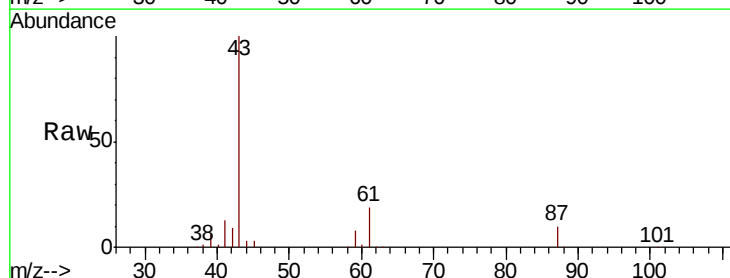
Instrument :
 MSVOA_U
 ClientSampled :
 TP-4A-D

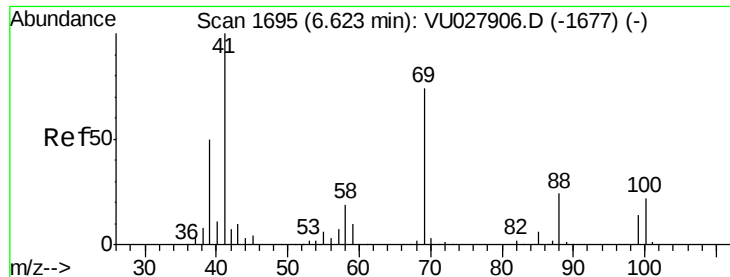
Tot Ion:117 Resp: 18176
 Ion Ratio Lower Upper
 117 100
 119 6.3 76.0 114.0#
 121 0.0 24.5 36.7#



#43
 Isopropyl Acetate
 Concen: 23.435 ug/l
 RT: 5.55 min Scan# 1361
 Delta R.T. -0.00 min
 Lab File: VU027966.D
 Acq: 05 Nov 2018 18:37

Tgt Ion: 43 Resp: 195298
 Ion Ratio Lower Upper
 43 100
 61 18.7 15.0 22.4
 87 10.4 8.6 12.8

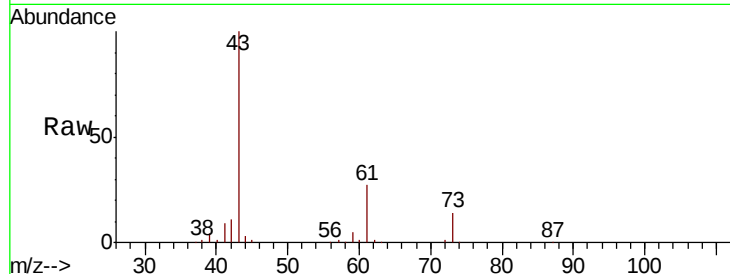




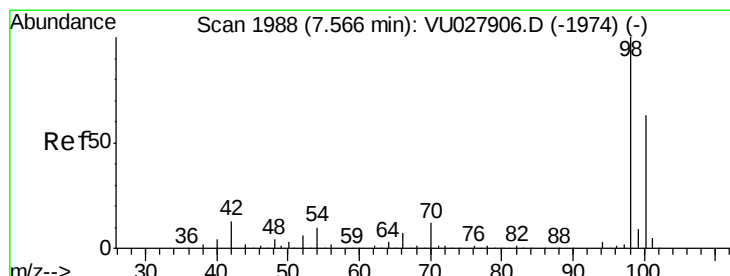
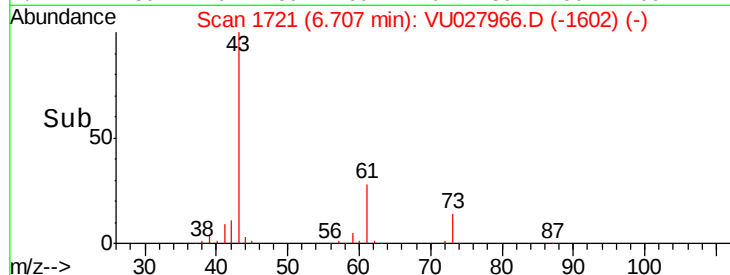
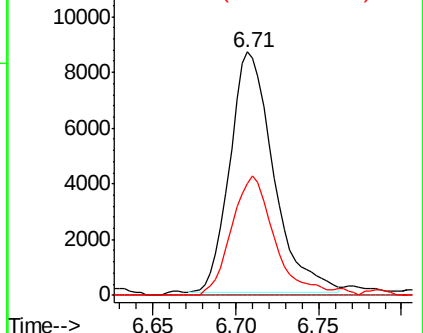
#48
Methvl methacrylate
Concen: 3.874 ug/l
RT: 6.71 min Scan# 1721
Delta R.T. 0.08 min
Lab File: VU027966.D
Acq: 05 Nov 2018 18:37

Instrument :
MSVOA_U
ClientSampled :
TP-4A-D

Tot Ion: 41 Resp: 15820
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 48.3 40.0 60.0

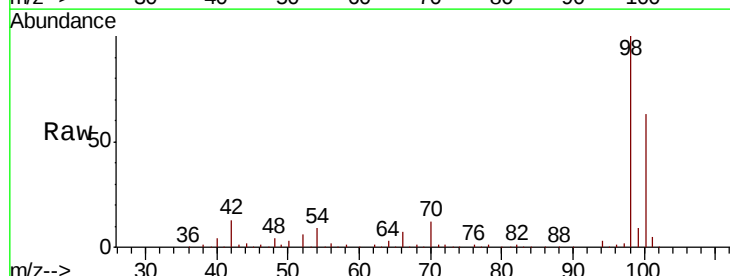


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

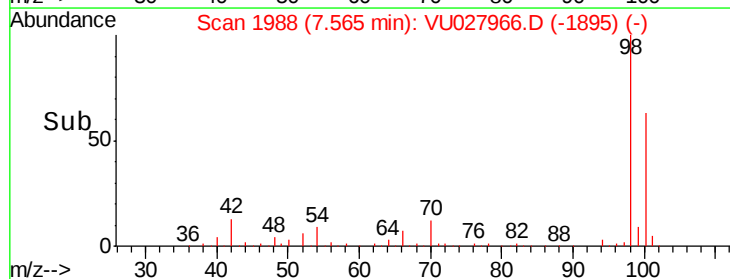
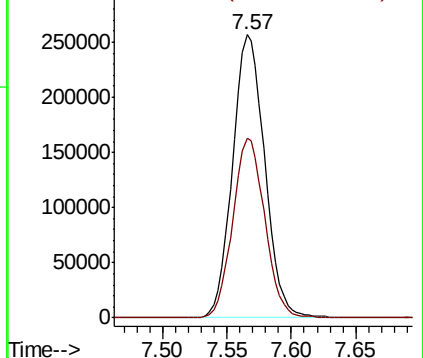


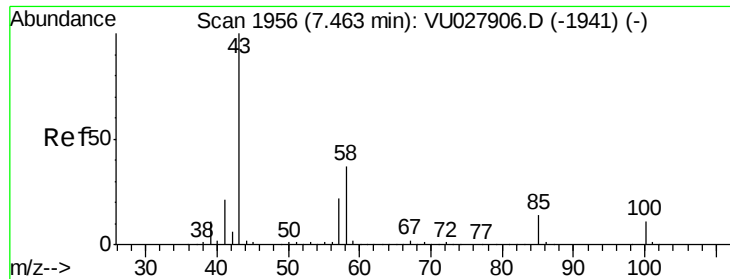
#50
Toluene-d8
Concen: 52.765 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027966.D
Acq: 05 Nov 2018 18:37

Tgt Ion: 98 Resp: 445468
Ion Ratio Lower Upper
98 100
100 63.3 50.1 75.1



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: 0.209 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027966.D

Acq: 05 Nov 2018 18:37

Instrument :

MSVOA_U

ClientSampled :

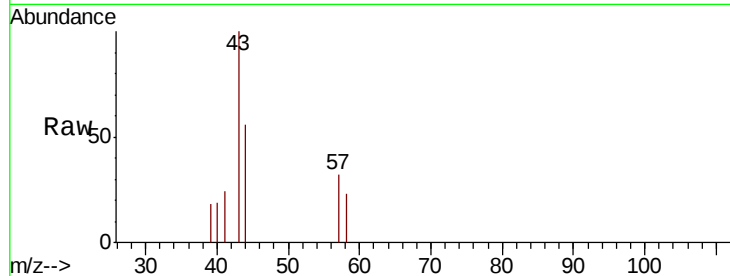
TP-4A-D

Tot Ion: 43 Resp: 1161

Ion Ratio Lower Upper

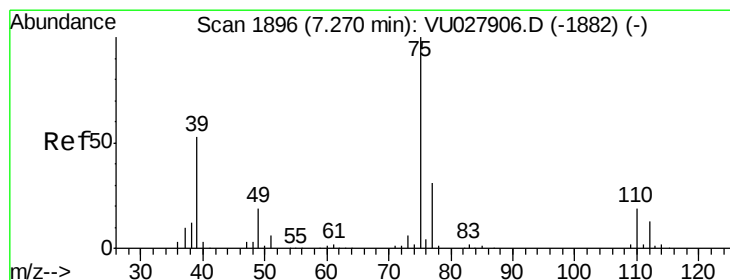
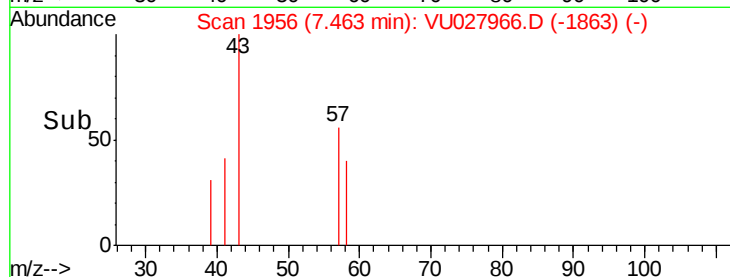
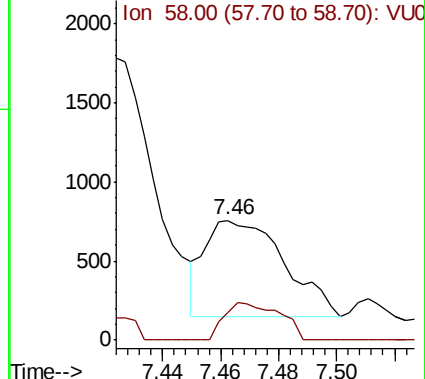
43 100

58 27.0 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)



#54

cis-1,3-Dichloropropene

Concen: 0.239 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. 0.15 min

Lab File: VU027966.D

Acq: 05 Nov 2018 18:37

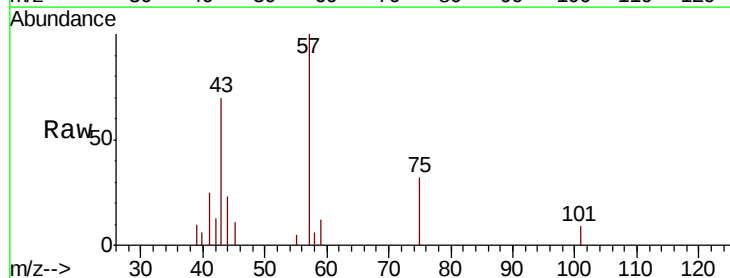
Tgt Ion: 75 Resp: 1043

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

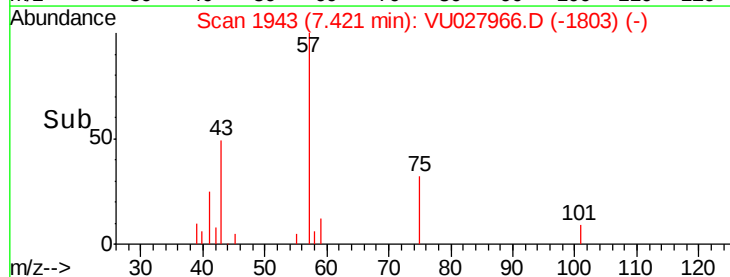
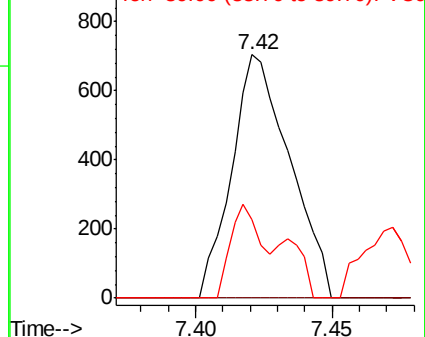
39 32.2 42.6 64.0#

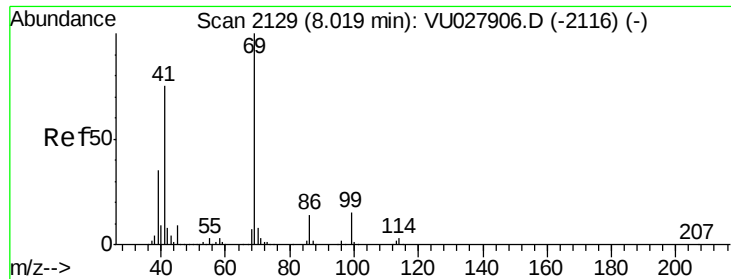


Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-1882) (-)

Ion 76.90 (76.60 to 77.60): VU027906.D (-1882) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-1882) (-)





#56

Ethyl methacrylate

Concen: 0.312 ug/l

RT: 7.78 min Scan# 2056

Delta R.T. -0.23 min

Lab File: VU027966.D

Acq: 05 Nov 2018 18:37

Instrument :

MSVOA_U

ClientSampleId :

TP-4A-D

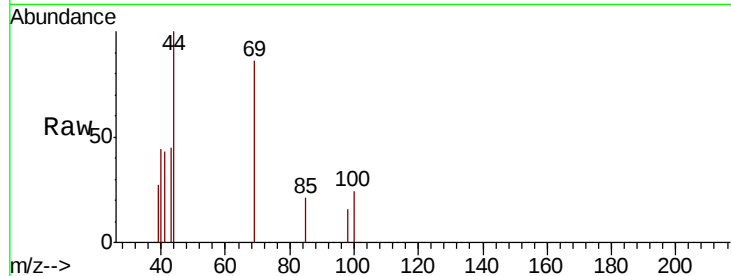
Tot Ion: 69 Resp: 1461

Ion Ratio Lower Upper

69 100

41 56.1 59.8 89.6#

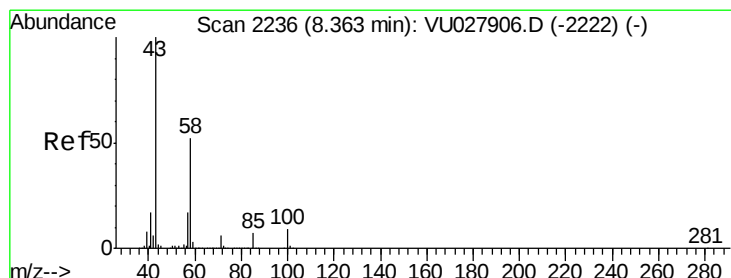
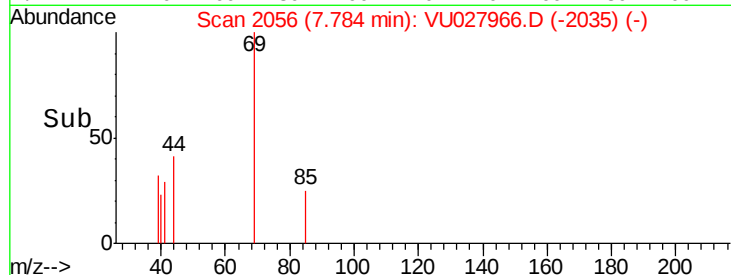
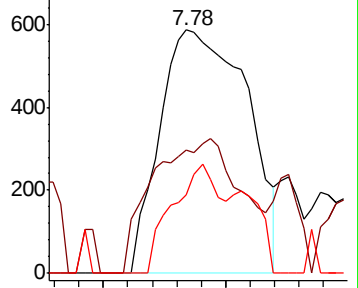
39 24.5 28.6 42.8#



Abundance Ion 69.00 (68.70 to 69.70): VU027966.D (-2056) (-)

Ion 41.00 (40.70 to 41.70): VU027966.D (-2056) (-)

Ion 39.00 (38.70 to 39.70): VU027966.D (-2056) (-)



#59

2-Hexanone

Concen: 2.607 ug/l

RT: 8.42 min Scan# 2253

Delta R.T. 0.05 min

Lab File: VU027966.D

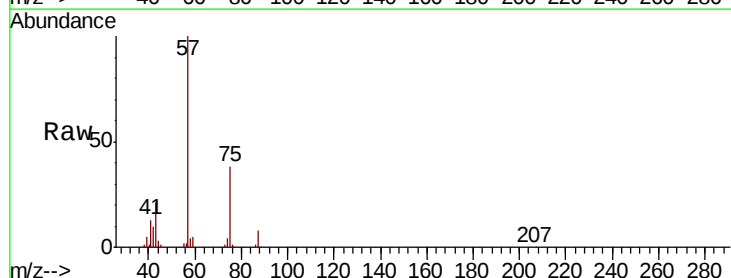
Acq: 05 Nov 2018 18:37

Tgt Ion: 43 Resp: 11224

Ion Ratio Lower Upper

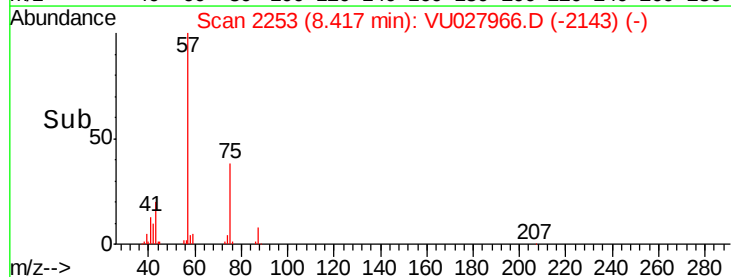
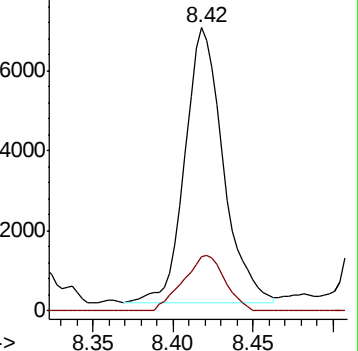
43 100

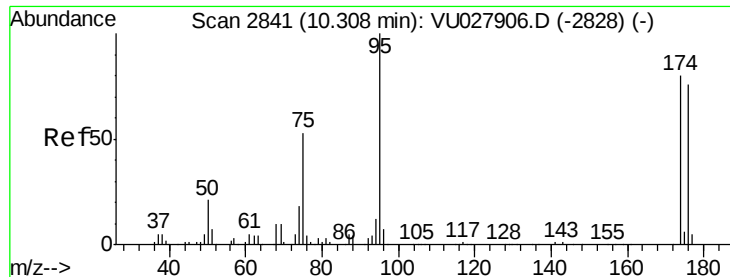
58 22.1 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VU027966.D (-2253) (-)

Ion 58.00 (57.70 to 58.70): VU027966.D (-2253) (-)

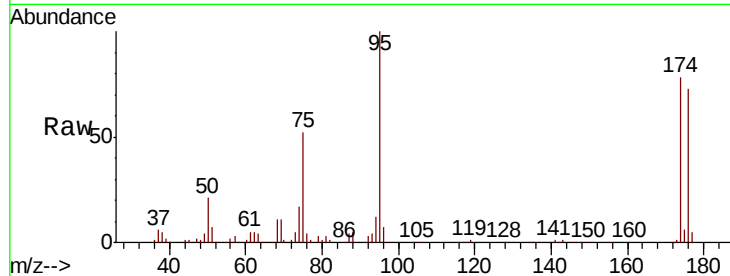




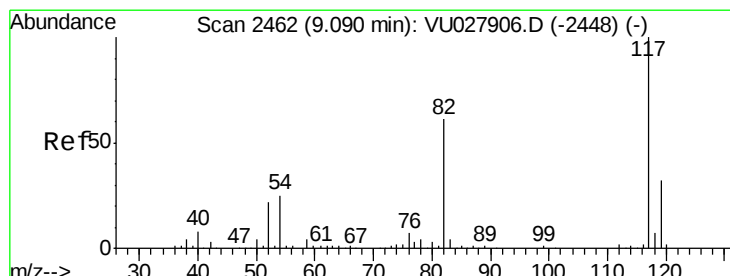
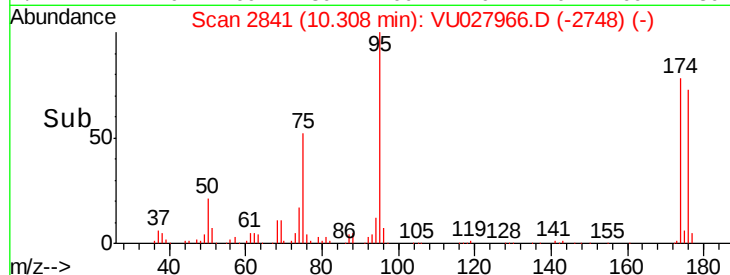
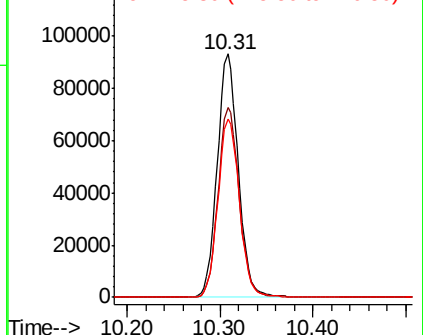
#62
4-Bromofluorobenzene
Concen: 47.203 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027966.D
Acq: 05 Nov 2018 18:37

Instrument :
MSVOA_U
ClientSampleId :
TP-4A-D

Tot Ion: 95 Resp: 146988
Ion Ratio Lower Upper
95 100
174 78.3 0.0 156.4
176 74.9 0.0 150.8

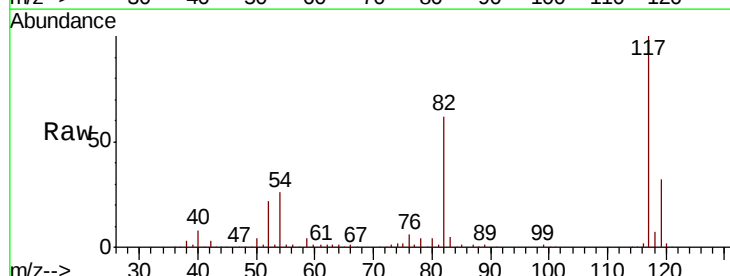


Abundance Ion 94.90 (94.60 to 95.60): VU027906.D (-2828) (-)
Ion 173.80 (173.50 to 174.50): VU027906.D (-2828) (-)
Ion 175.80 (175.50 to 176.50): VU027906.D (-2828) (-)

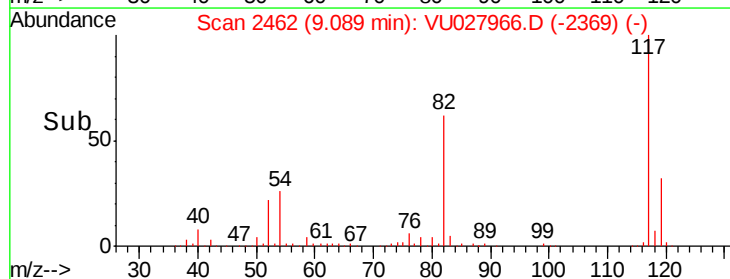
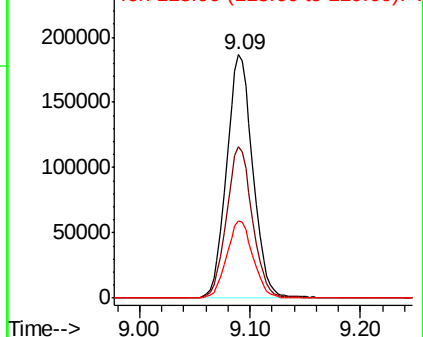


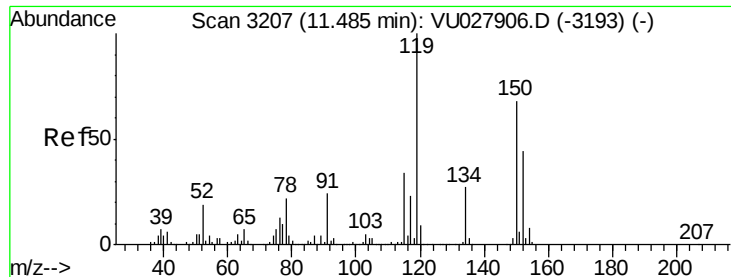
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027966.D
Acq: 05 Nov 2018 18:37

Tgt Ion: 117 Resp: 307612
Ion Ratio Lower Upper
117 100
82 62.4 48.6 73.0
119 31.8 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VU027906.D (-2448) (-)
Ion 82.00 (81.70 to 82.70): VU027906.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): VU027906.D (-2448) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027966.D

Acq: 05 Nov 2018 18:37

Instrument :

MSVOA_U

ClientSampleId :

TP-4A-D

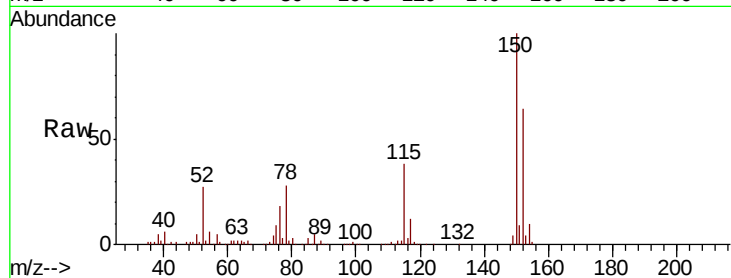
Tot Ion:152 Resp: 128134

Ion Ratio Lower Upper

152 100

115 59.1 43.0 129.0

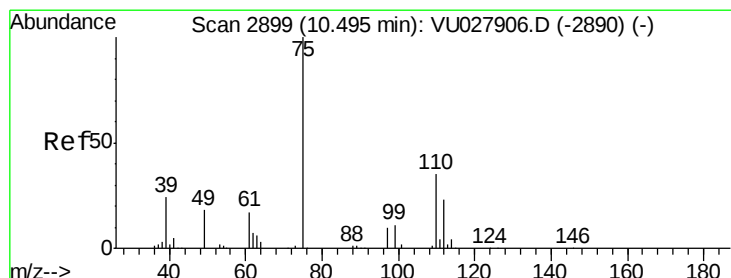
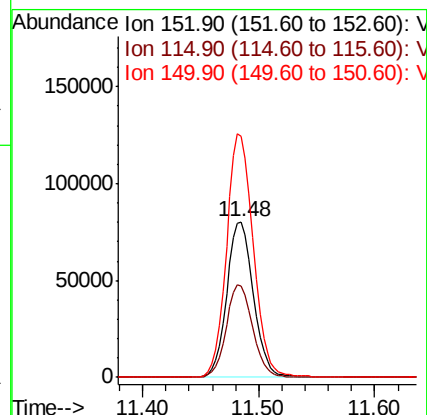
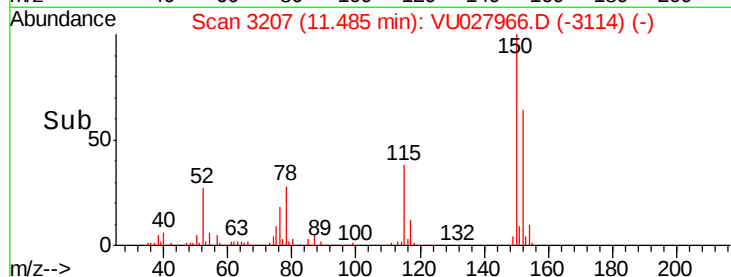
150 156.9 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.105 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027966.D

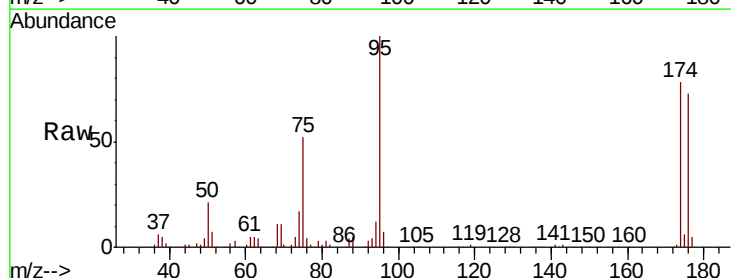
Acq: 05 Nov 2018 18:37

Tgt Ion: 75 Resp: 77474

Ion Ratio Lower Upper

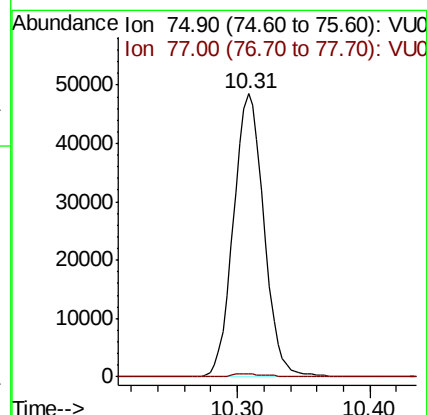
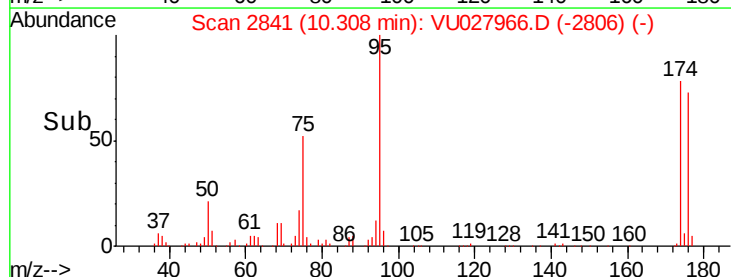
75 100

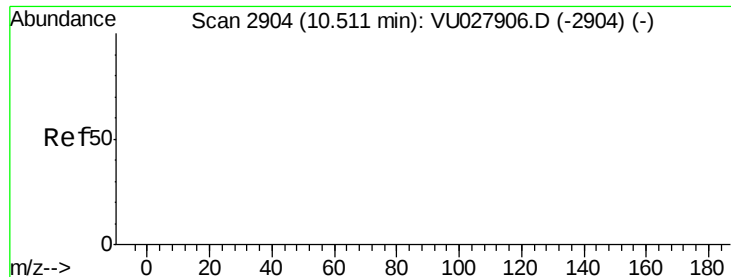
77 1.2 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.164 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027966.D

Acq: 05 Nov 2018 18:37

Instrument :

MSVOA_U

ClientSampleId :

TP-4A-D

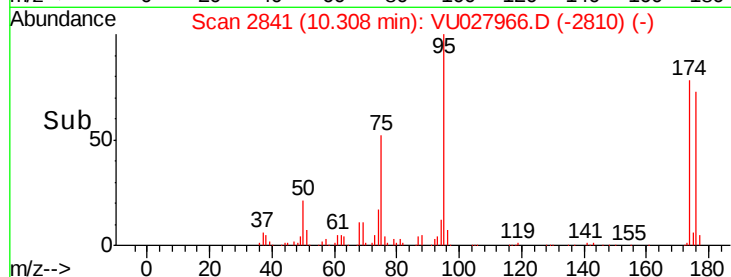
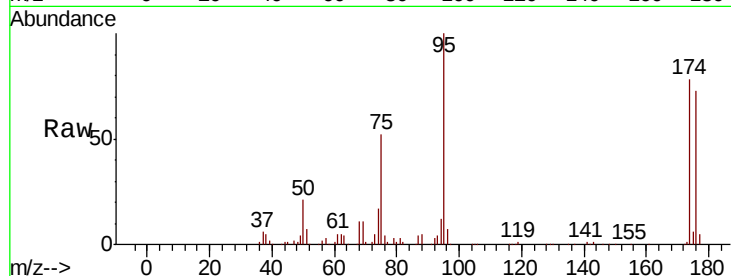
Tot Ion: 75 Resp: 77474

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

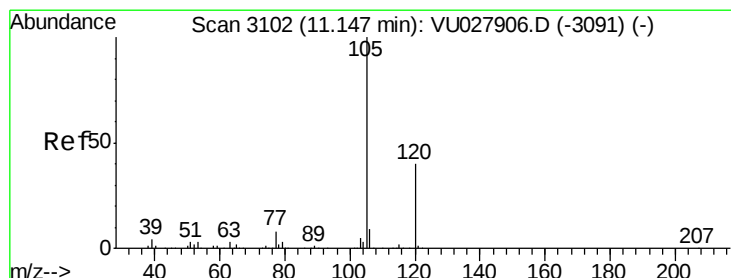
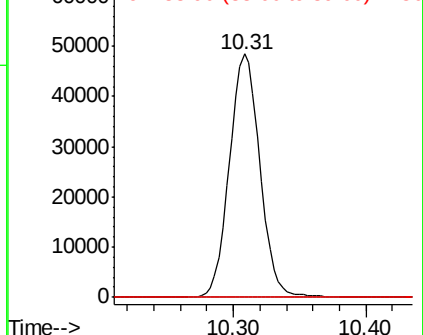
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU027966.D (-2810) (-)

Ion 53.00 (52.70 to 53.70): VU027966.D (-2810) (-)

Ion 88.90 (88.60 to 89.60): VU027966.D (-2810) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.278 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU027966.D

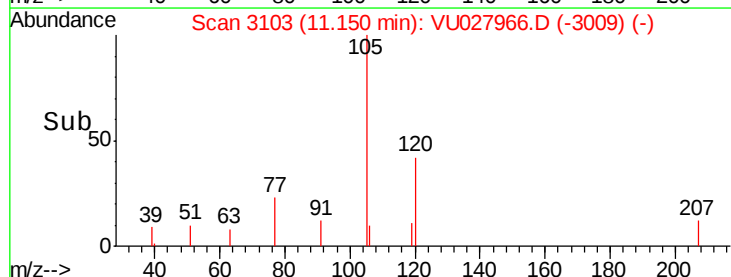
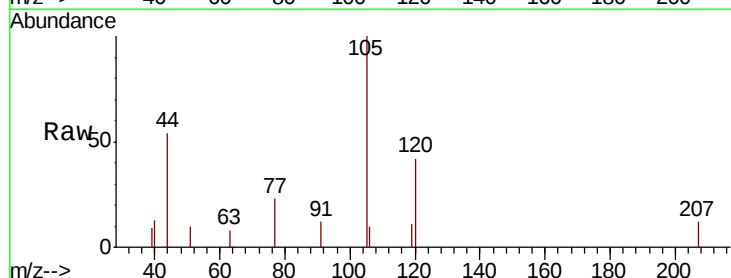
Acq: 05 Nov 2018 18:37

Tgt Ion:105 Resp: 2305

Ion Ratio Lower Upper

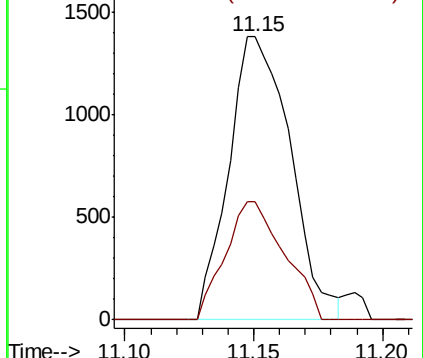
105 100

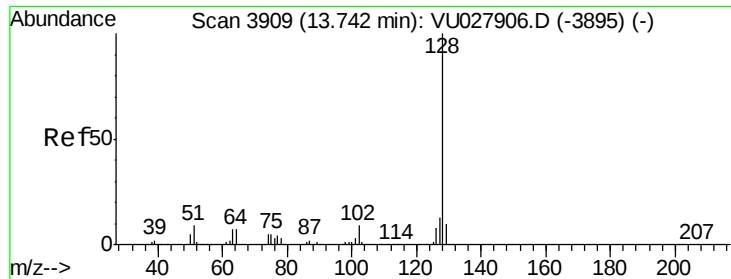
120 40.1 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): VU027966.D (-3009) (-)

Ion 120.00 (119.70 to 120.70): VU027966.D (-3009) (-)





#95
 Naphthalene
 Concen: 0.870 ug/l
 RT: 13.75 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: VU027966.D
 Acq: 05 Nov 2018 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-4A-D

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.4	15.6
129	10.8	8.3	12.5

