

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027948.D
 Acq On : 05 Nov 2018 11:40
 Operator : MD/SY
 Sample : PB114473ZHE#03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#03

Quant Time: Nov 06 03:22:25 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	205057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	371714	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	334397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	145077	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	161020	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
35) Dibromofluoromethane	4.89	113	123538	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
50) Toluene-d8	7.57	98	472230	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	10.31	95	163599	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	

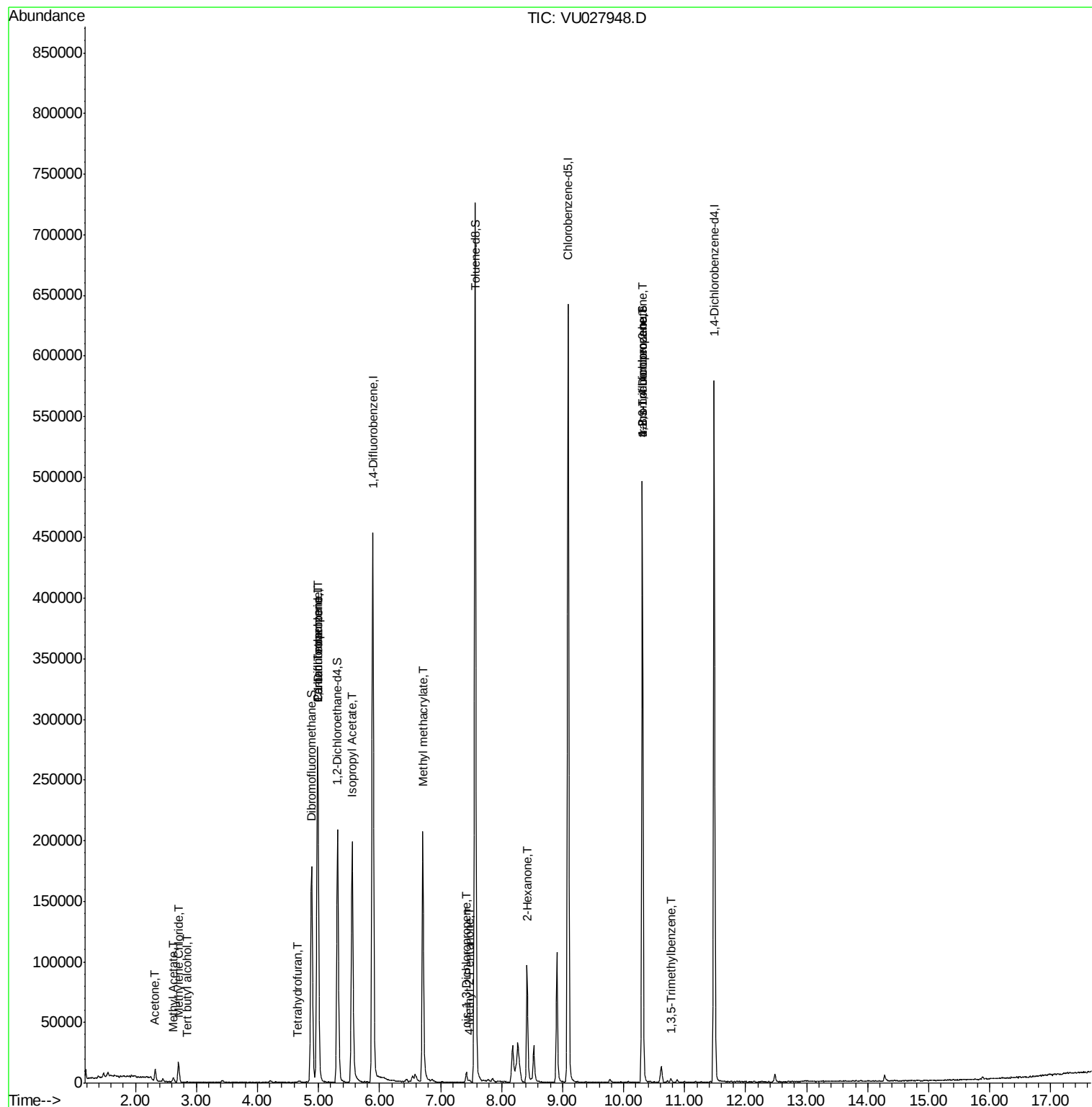
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	229	0.284	ug/l #	73
13) Acrolein	2.20	56	177	Below Cal		94
16) Acetone	2.32	43	10298	5.444	ug/l	97
18) Methyl Acetate	2.62	43	5166	0.993	ug/l	94
20) Methylene Chloride	2.71	84	6891	2.495	ug/l	99
29) Tetrahydrofuran	4.66	42	559	0.278	ug/l #	67
31) Cyclohexane	4.98	56	4611	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	18094	4.648	ug/l #	49
38) Carbon Tetrachloride	4.99	117	21143	6.128	ug/l #	16
43) Isopropyl Acetate	5.55	43	241861	27.063	ug/l	99
48) Methyl methacrylate	6.71	41	17953	4.099	ug/l #	47
51) 4-Methyl-2-Pentanone	7.48	43	1505	0.252	ug/l #	83
54) cis-1,3-Dichloropropene	7.43	75	1492	0.318	ug/l #	56
59) 2-Hexanone	8.42	43	14884	3.224	ug/l #	56
76) 1,2,3-Trichloropropane	10.31	75	85275	21.489	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	2068	0.222	ug/l	92
81) trans-1,4-Dichloro-2-buten	10.31	75	85275	53.635	ug/l #	100
95) Naphthalene	13.78	128	257	Below Cal	#	69

(#) = 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# 1186

Delta R.T. 0.00 min

Lab File: VU027948.D

Acq: 05 Nov 2018 11:40

Instrument :

MSVOA_U

ClientSampleId :

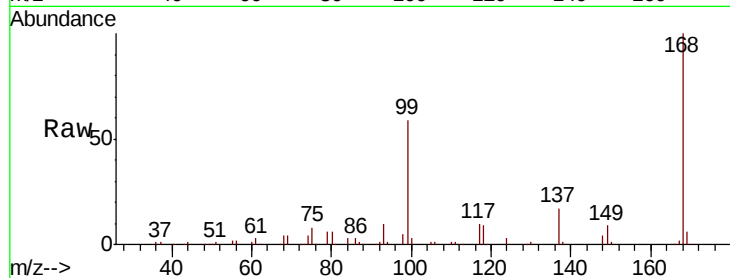
PB114473ZHE#03

Tot Ion:168 Resp: 205057

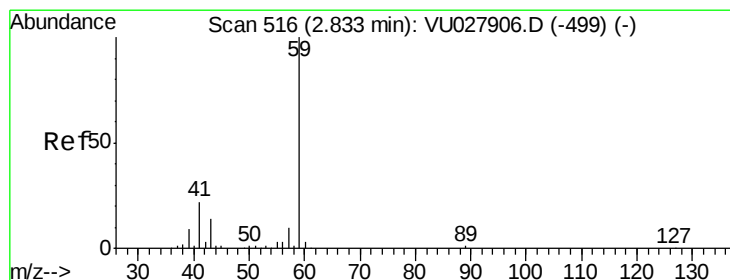
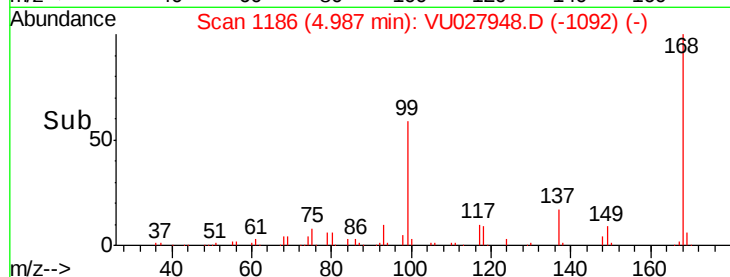
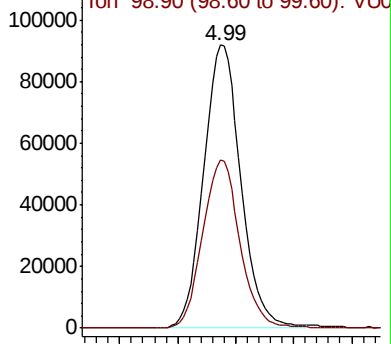
Ion Ratio Lower Upper

168 100

99 59.3 47.9 71.9



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



#11

Tert butyl alcohol

Concen: 0.284 ug/l

RT: 2.84 min Scan# 518

Delta R.T. 0.01 min

Lab File: VU027948.D

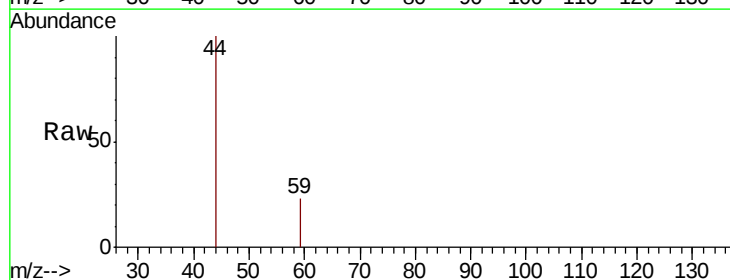
Acq: 05 Nov 2018 11:40

Tgt Ion: 59 Resp: 229

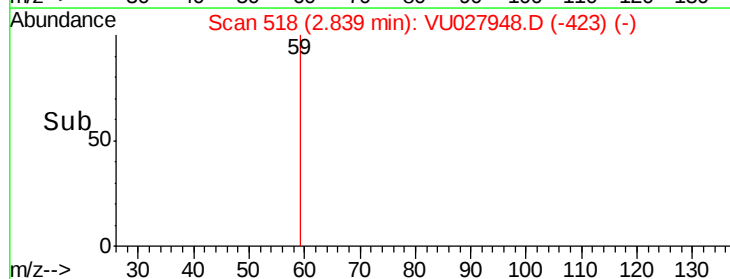
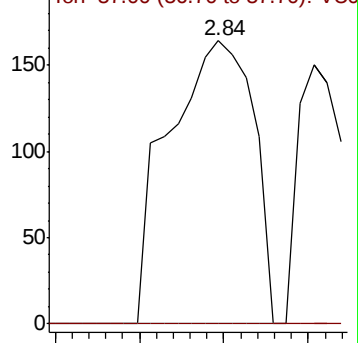
Ion Ratio Lower Upper

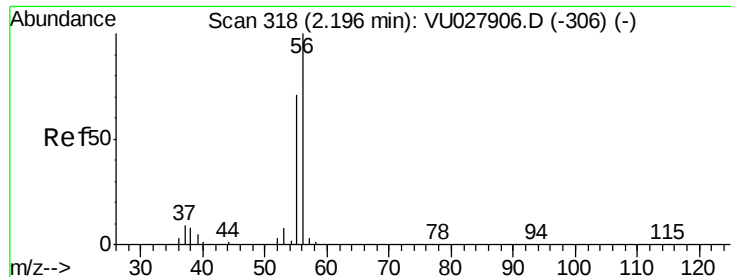
59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VU027906.D (-499) (-)





#13

Acrolein

Concen: Below Cal

RT: 2.20 min Scan# 319

Delta R.T. 0.00 min

Lab File: VU027948.D

Acq: 05 Nov 2018 11:40

Instrument :

MSVOA_U

ClientSampleId :

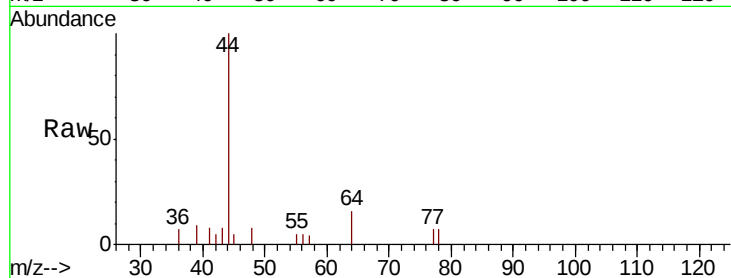
PB114473ZHE#03

Tot Ion: 56 Resp: 177

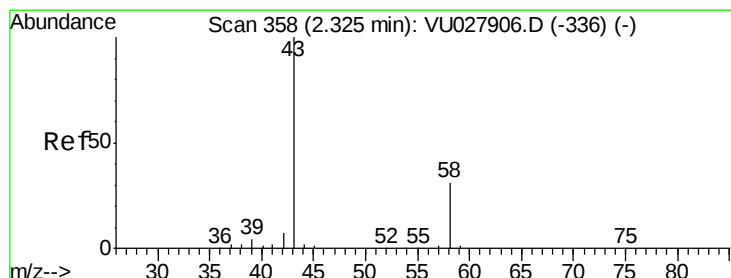
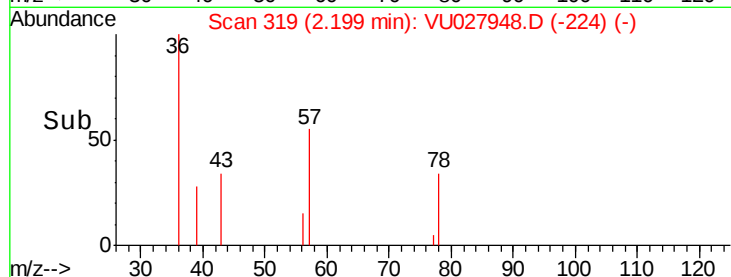
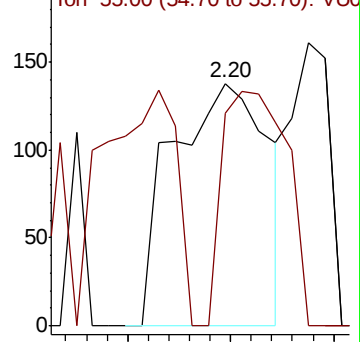
Ion Ratio Lower Upper

56 100

55 65.5 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)



#16

Acetone

Concen: 5.444 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027948.D

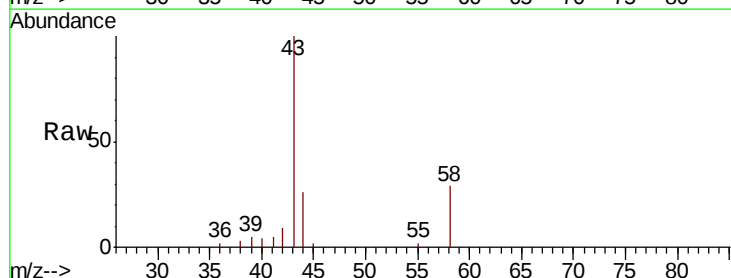
Acq: 05 Nov 2018 11:40

Tgt Ion: 43 Resp: 10298

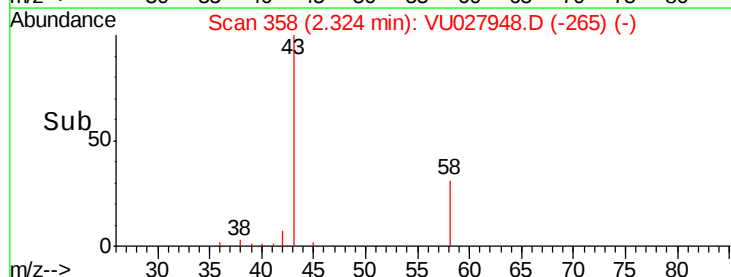
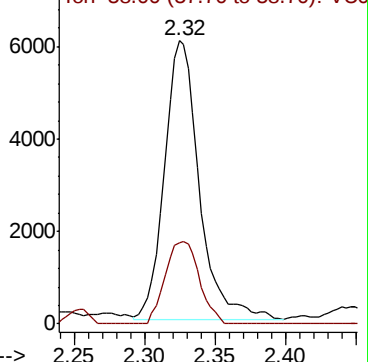
Ion Ratio Lower Upper

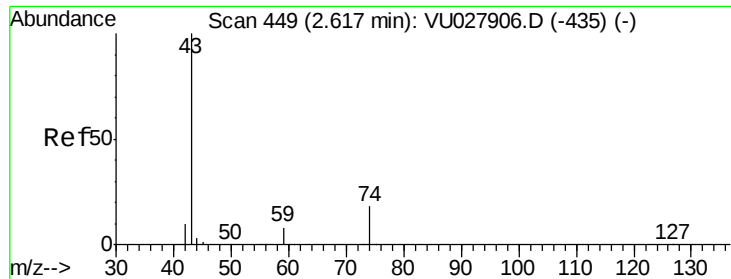
43 100

58 29.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-336) (-)

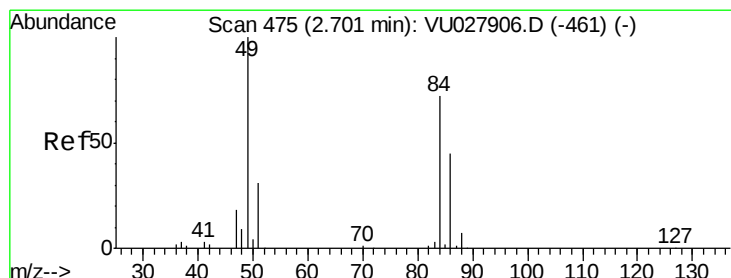
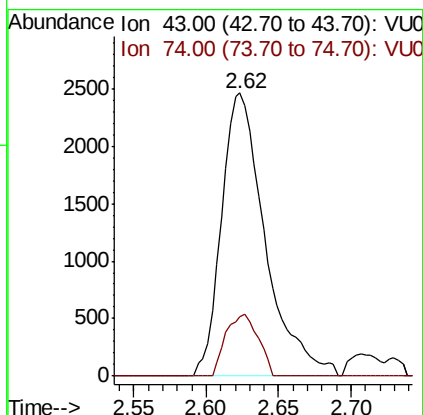
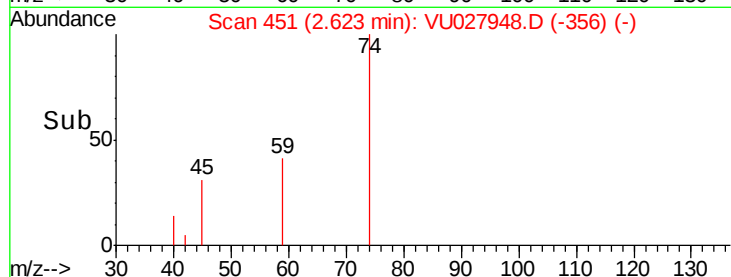
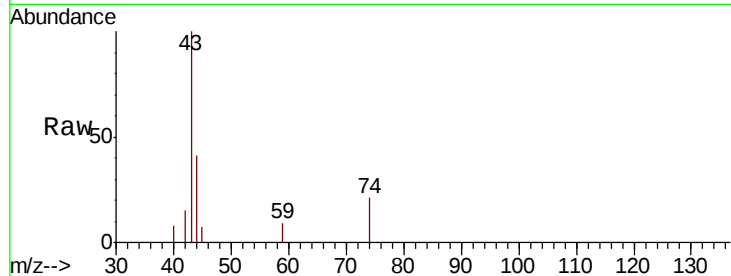




#18
Methyl Acetate
Concen: 0.993 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU027948.D
Acq: 05 Nov 2018 11:40

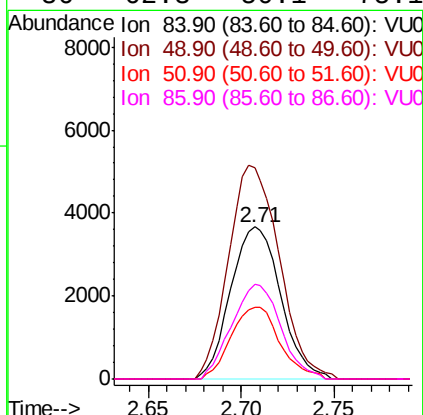
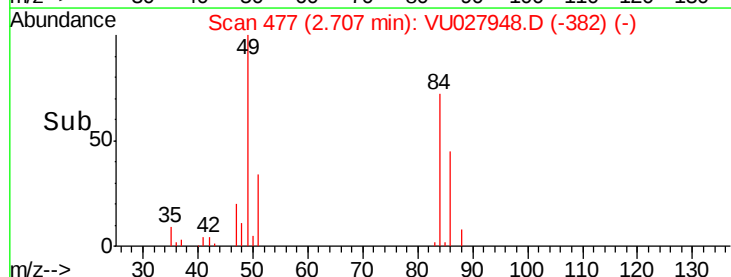
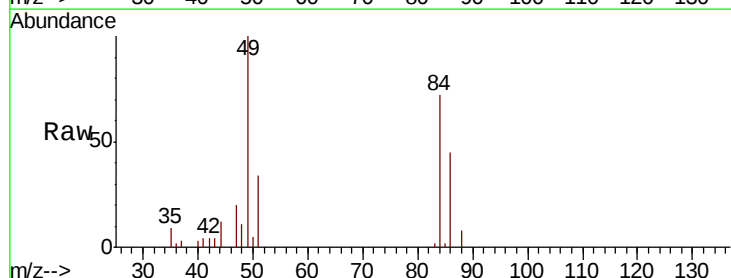
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#03

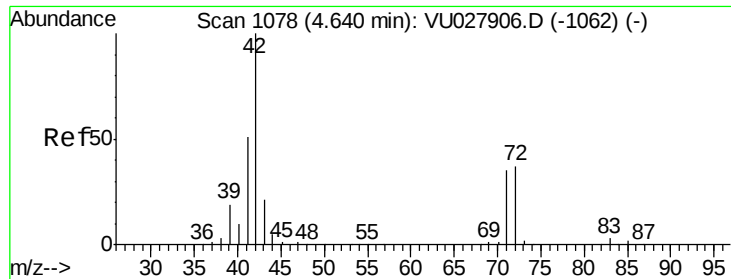
Tot Ion: 43 Resp: 5166
Ion Ratio Lower Upper
43 100
74 16.0 14.9 22.3



#20
Methylene Chloride
Concen: 2.495 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.01 min
Lab File: VU027948.D
Acq: 05 Nov 2018 11:40

Tgt Ion: 84 Resp: 6891
Ion Ratio Lower Upper
84 100
49 138.9 111.6 167.4
51 46.9 34.8 52.2
86 62.3 50.1 75.1





#29

Tetrahydrofuran

Concen: 0.278 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VU027948.D

Acq: 05 Nov 2018 11:40

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#03

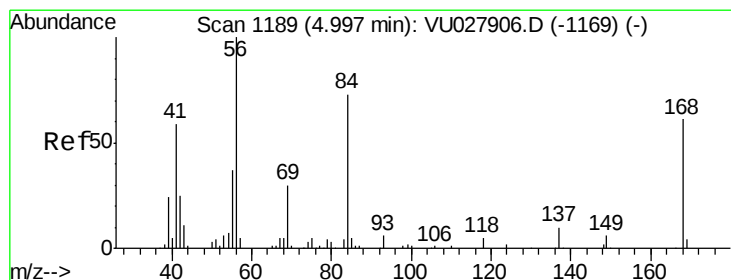
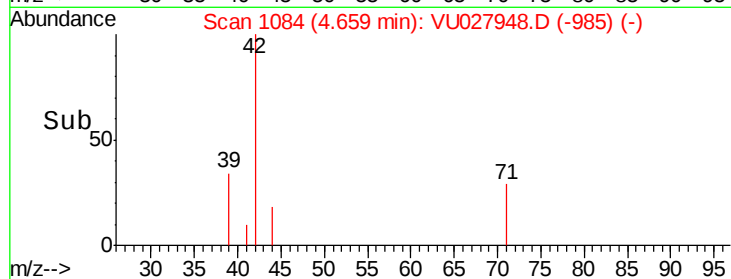
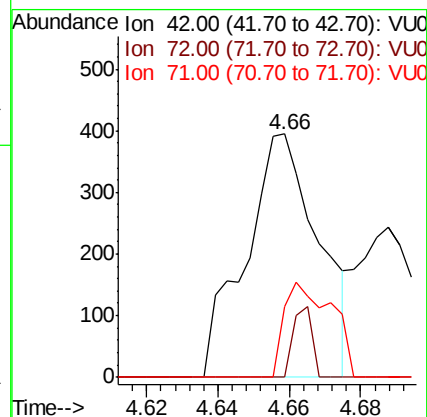
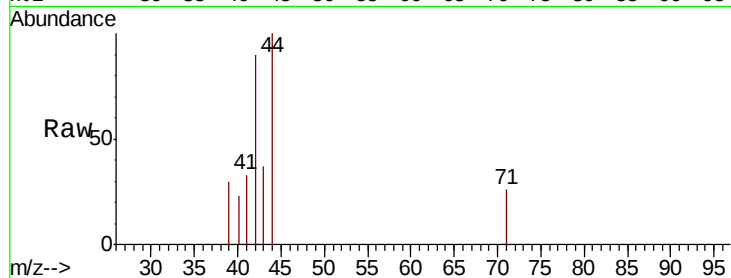
Tot Ion: 42 Resp: 559

Ion Ratio Lower Upper

42 100

72 7.3 29.4 44.0#

71 25.4 27.9 41.9#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU027948.D

Acq: 05 Nov 2018 11:40

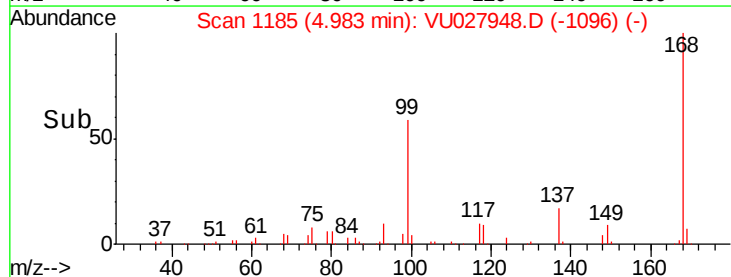
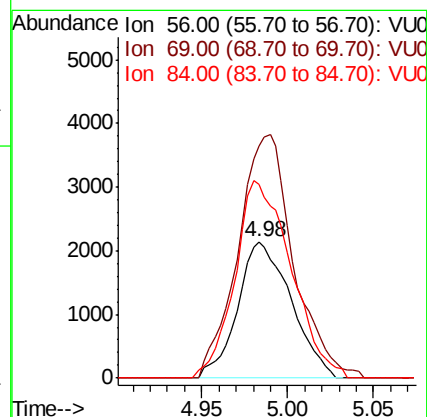
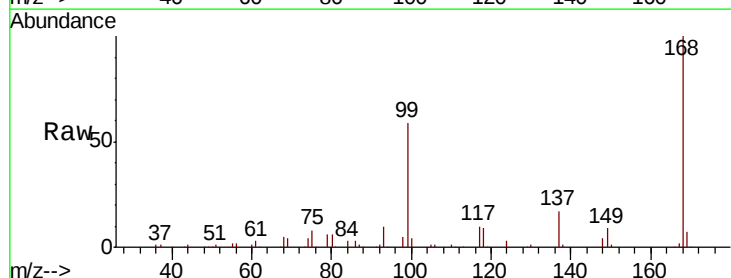
Tgt Ion: 56 Resp: 4611

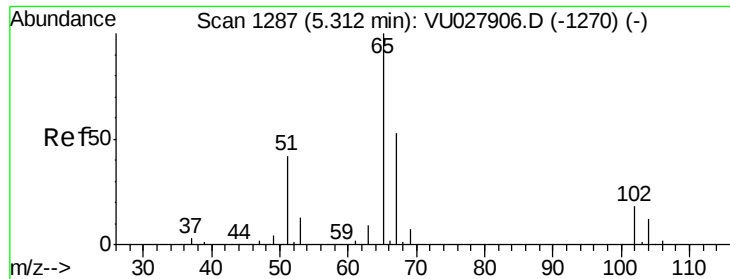
Ion Ratio Lower Upper

56 100

69 170.2 23.7 35.5#

84 141.6 58.2 87.4#

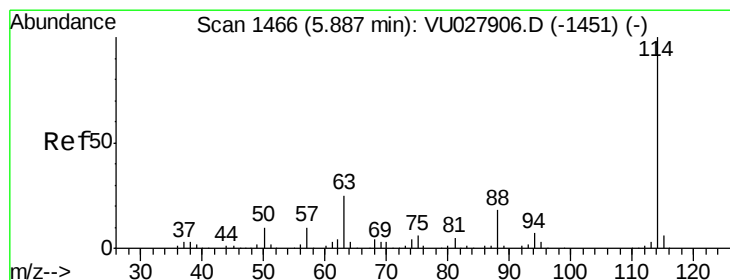
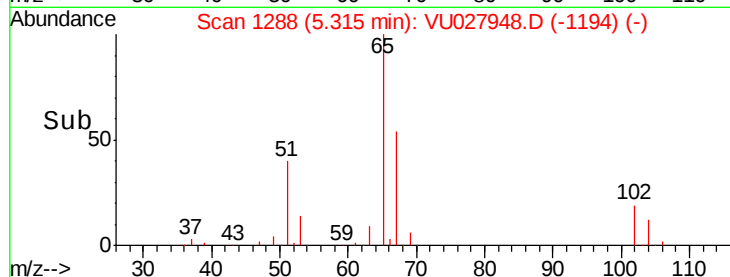
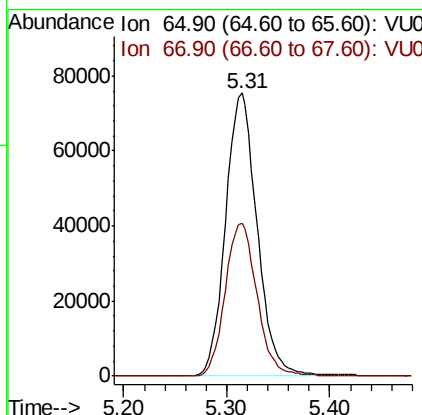
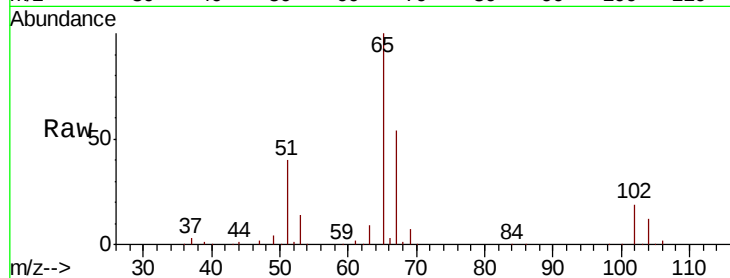




#33
 1,2-Dichloroethane-d4
 Concen: 52.816 ug/l
 RT: 5.31 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VU027948.D
 Acq: 05 Nov 2018 11:40

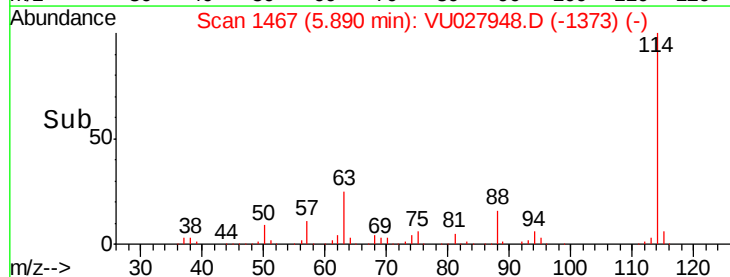
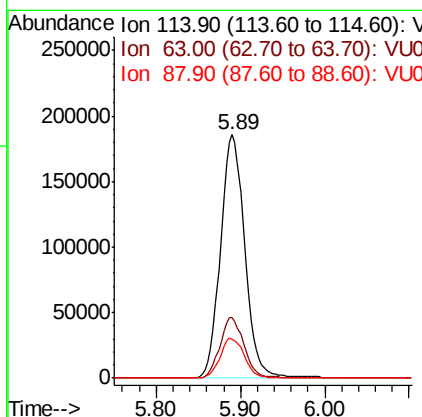
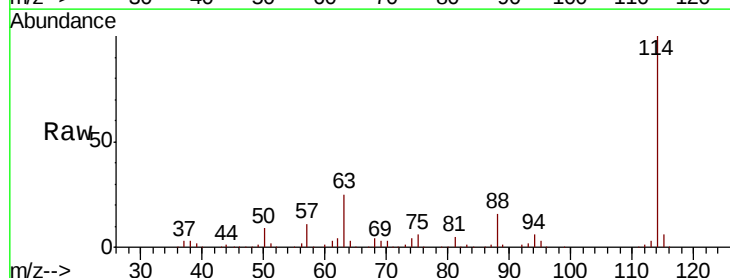
Instrument :
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 PB114473ZHE#03

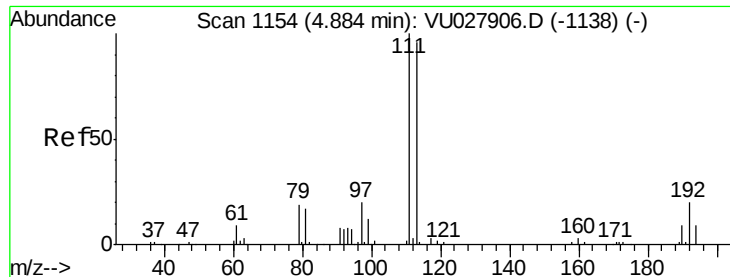
Tot Ion: 65 Resp: 161020
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027948.D
 Acq: 05 Nov 2018 11:40

Tgt Ion: 114 Resp: 371714
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.8
 88 16.2 0.0 35.8

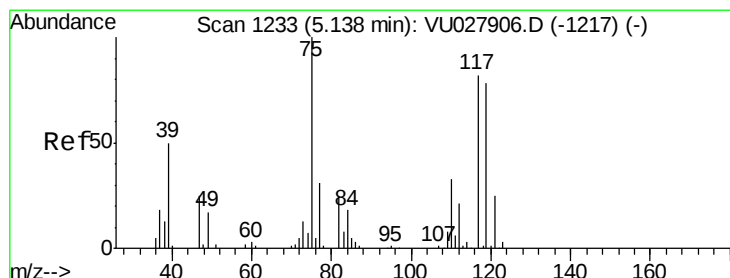
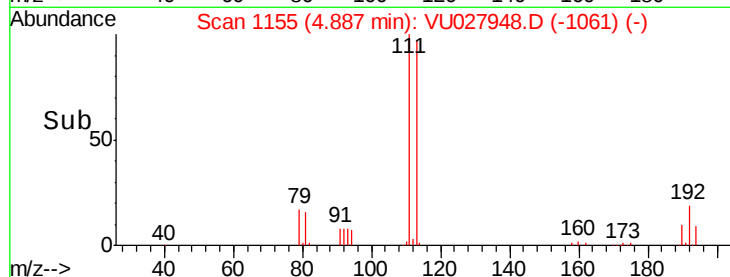
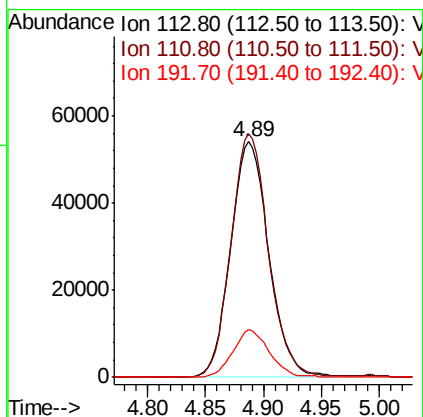
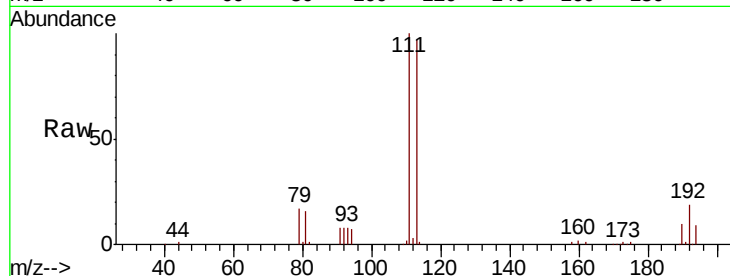




#35
 Dibromofluoromethane
 Concen: 52.710 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027948.D
 Acq: 05 Nov 2018 11:40

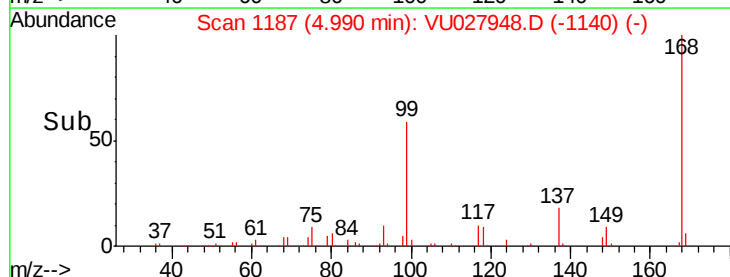
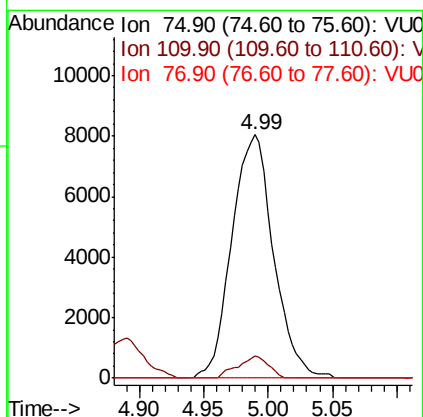
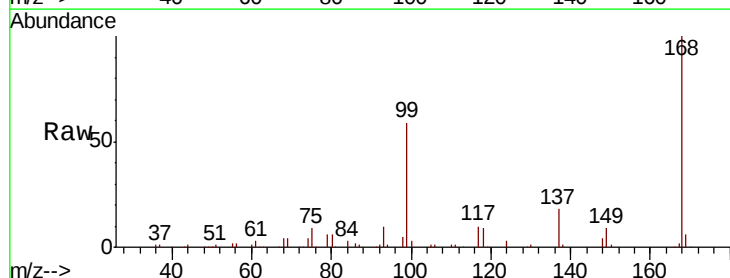
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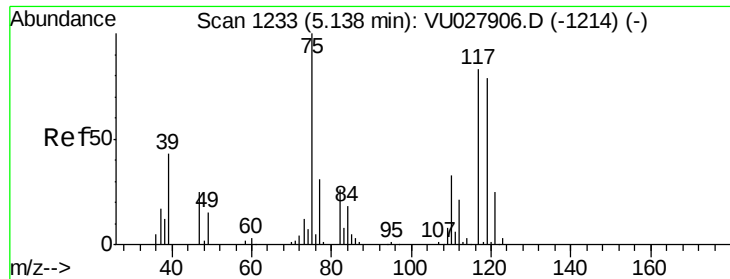
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.0	124.6
192	19.4	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.648 ug/l
 RT: 4.99 min Scan# 1187
 Delta R.T. -0.15 min
 Lab File: VU027948.D
 Acq: 05 Nov 2018 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.6	16.5	49.5#
77	0.0	24.9	37.3#

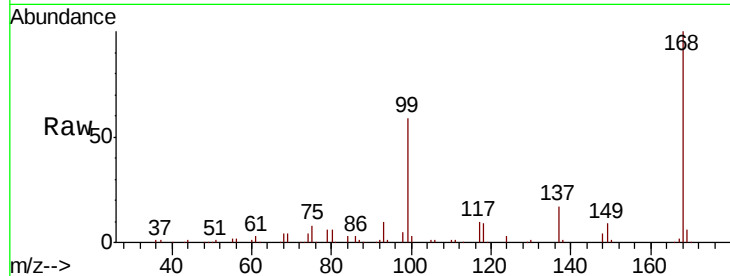




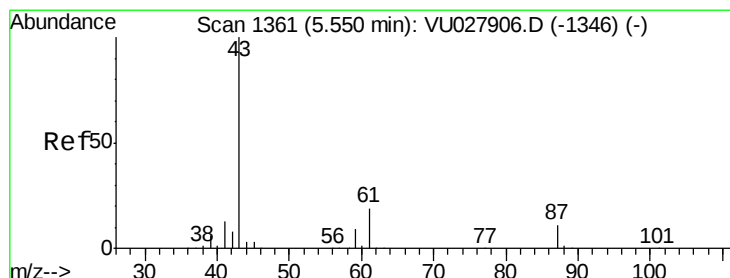
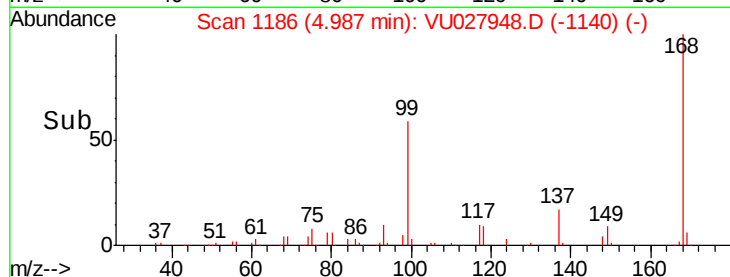
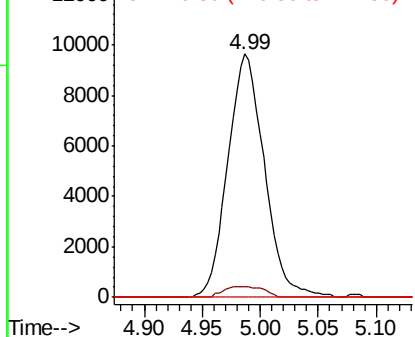
#38
Carbon Tetrachloride
Concen: 6.128 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027948.D
Acq: 05 Nov 2018 11:40

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#03

Tot Ion:117 Resp: 21143
Ion Ratio Lower Upper
117 100
119 4.6 76.0 114.0#
121 0.0 24.5 36.7#

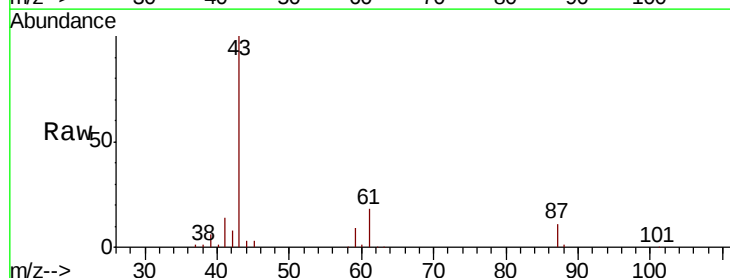


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

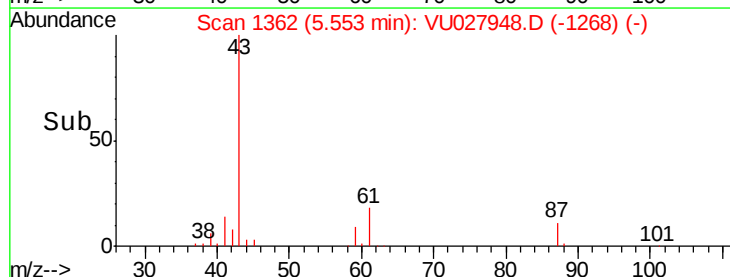
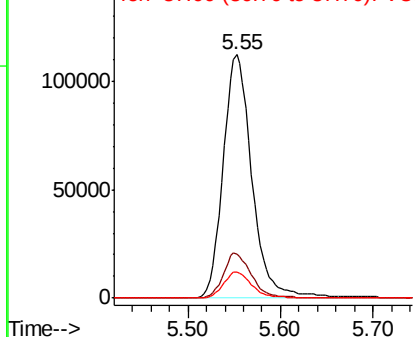


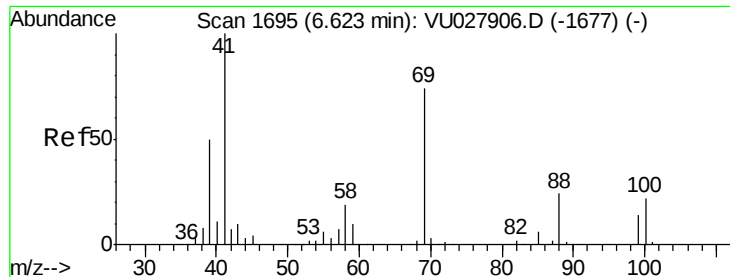
#43
Isopropyl Acetate
Concen: 27.063 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027948.D
Acq: 05 Nov 2018 11:40

Tgt Ion: 43 Resp: 241861
Ion Ratio Lower Upper
43 100
61 18.1 15.0 22.4
87 10.6 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

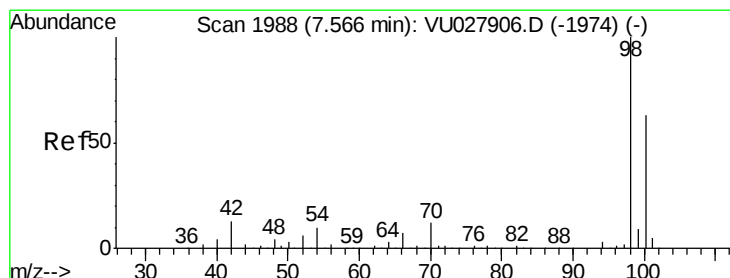
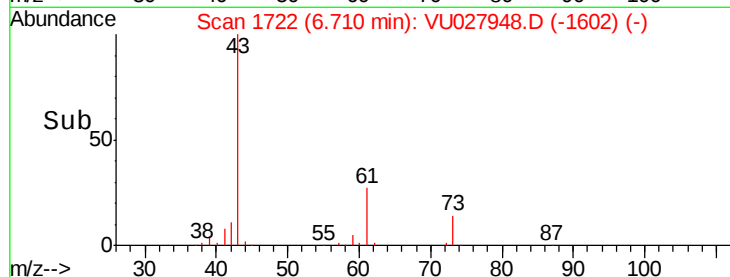
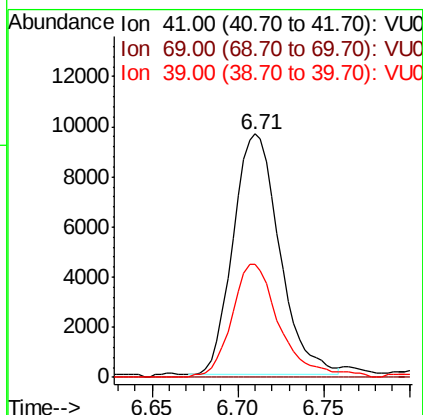
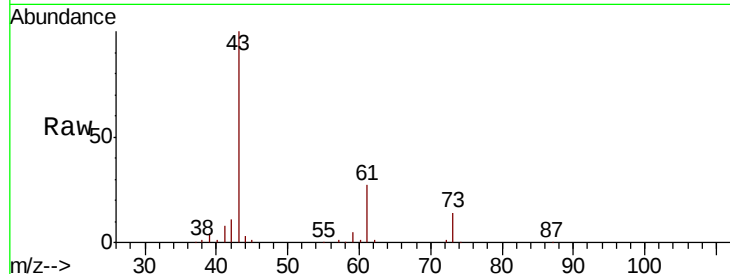




#48
Methvl methacrylate
Concen: 4.099 ug/l
RT: 6.71 min Scan# 1722
Delta R.T. 0.09 min
Lab File: VU027948.D
Acq: 05 Nov 2018 11:40

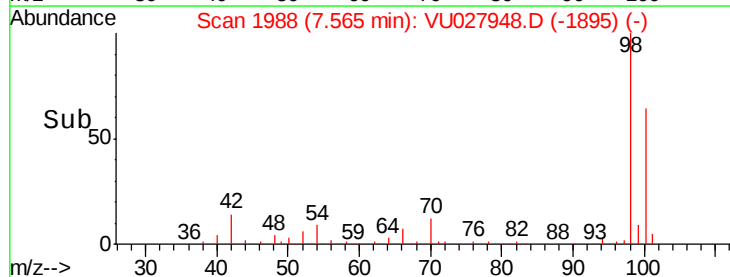
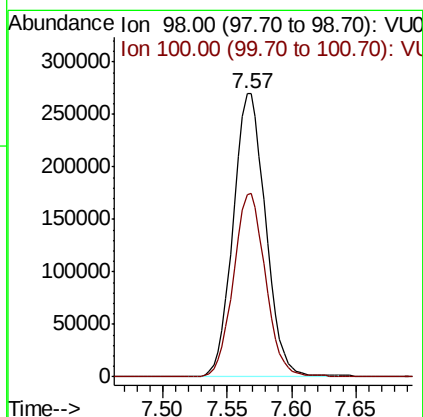
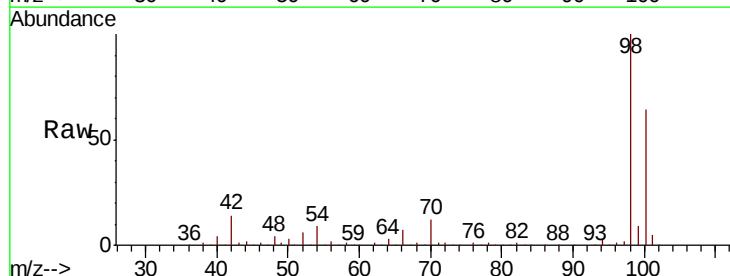
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#03

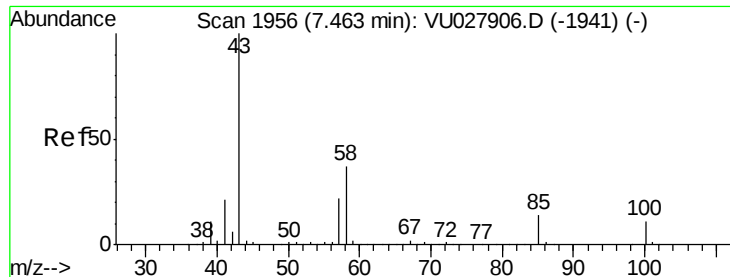
Tot Ion: 41 Resp: 17953
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 48.9 40.0 60.0



#50
Toluene-d8
Concen: 52.160 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027948.D
Acq: 05 Nov 2018 11:40

Tgt Ion: 98 Resp: 472230
Ion Ratio Lower Upper
98 100
100 64.4 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 0.252 ug/l

RT: 7.48 min Scan# 1960

Delta R.T. 0.01 min

Lab File: VU027948.D

Acq: 05 Nov 2018 11:40

Instrument :

MSVOA_U

ClientSampleId :

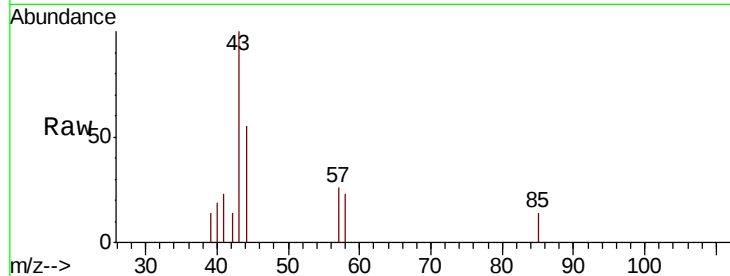
PB114473ZHE#03

Tot Ion: 43 Resp: 1505

Ion Ratio Lower Upper

43 100

58 26.6 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) (-)

2000

1500

1000

500

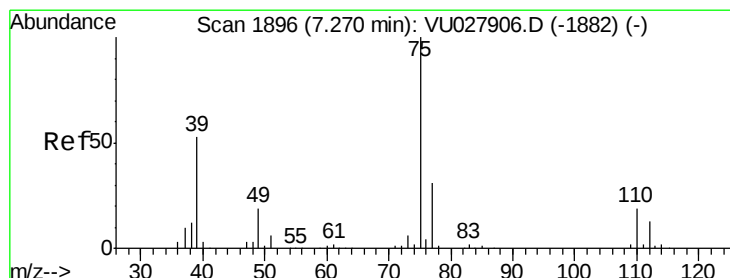
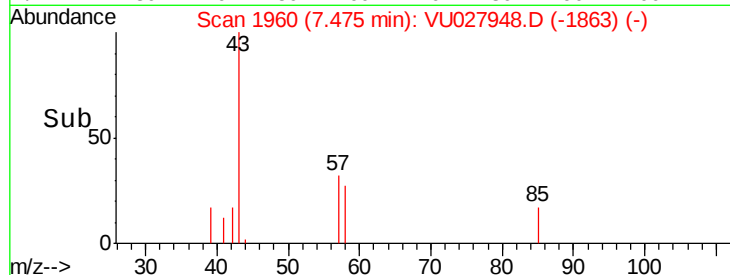
0

7.45

7.48

7.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.318 ug/l

RT: 7.43 min Scan# 1945

Delta R.T. 0.16 min

Lab File: VU027948.D

Acq: 05 Nov 2018 11:40

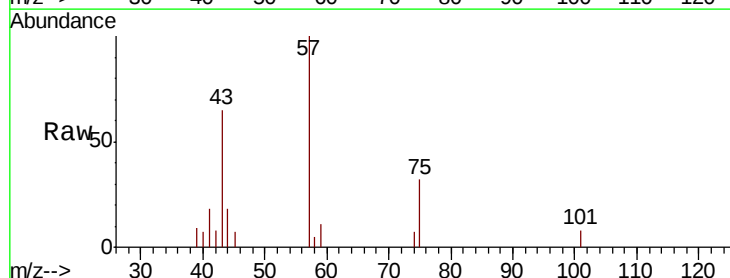
Tgt Ion: 75 Resp: 1492

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 27.3 42.6 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VU027948.D (-1803) (-)

Ion 76.90 (76.60 to 77.60): VU027948.D (-1803) (-)

Ion 39.00 (38.70 to 39.70): VU027948.D (-1803) (-)

1200

1000

800

600

400

200

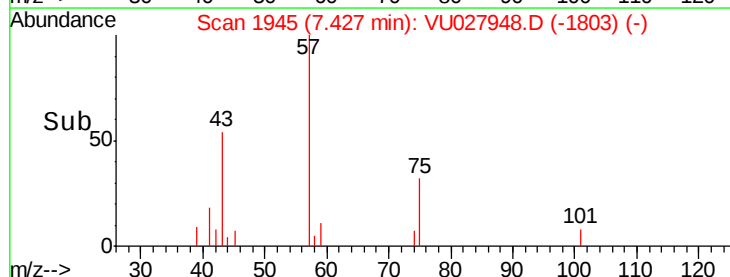
0

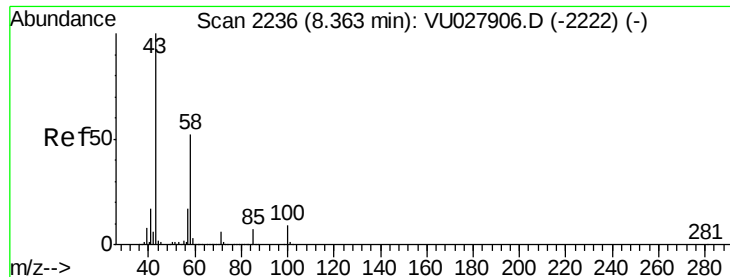
7.40

7.43

7.45

Time-->

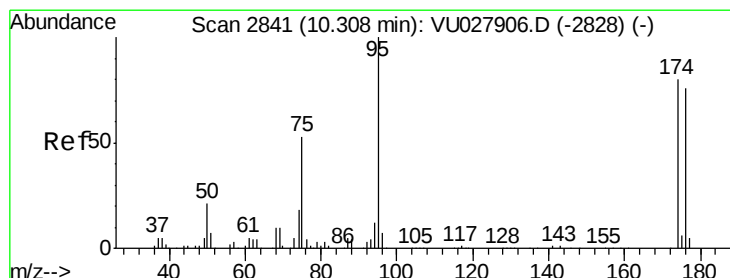
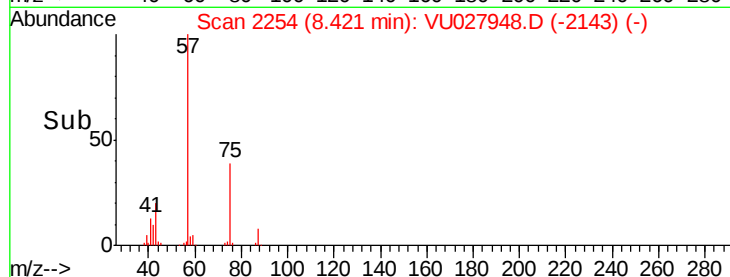
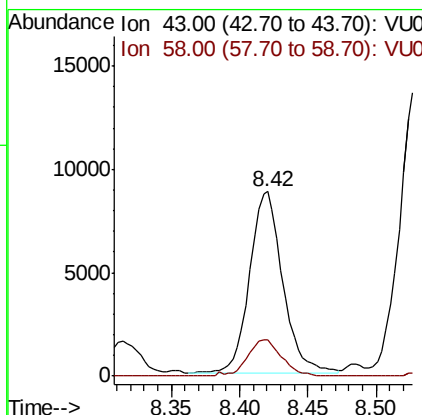
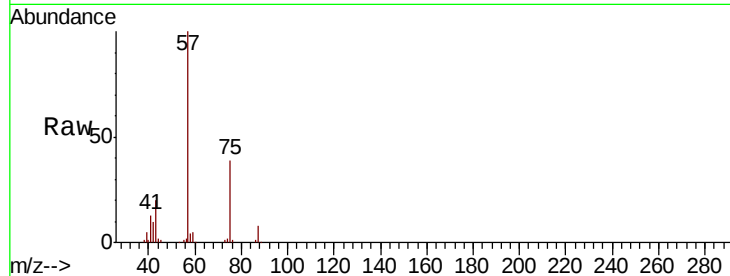




#59
2-Hexanone
Concen: 3.224 ug/l
RT: 8.42 min Scan# 2254
Delta R.T. 0.06 min
Lab File: VU027948.D
Acq: 05 Nov 2018 11:40

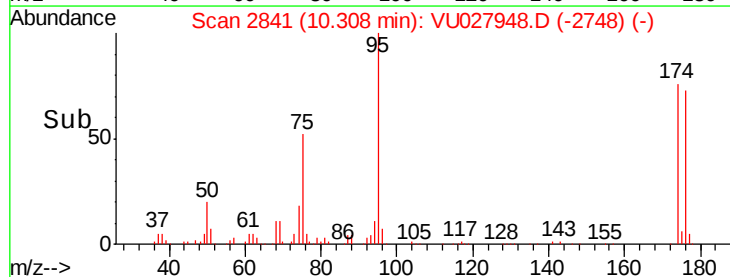
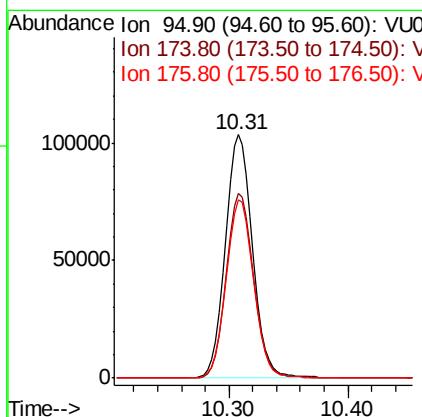
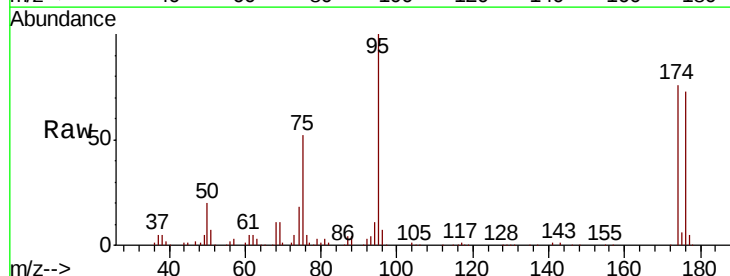
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#03

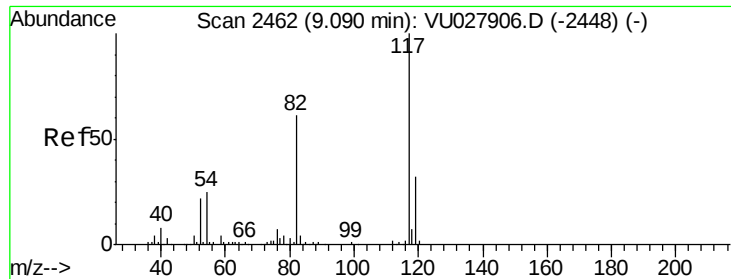
Tot Ion: 43 Resp: 14884
Ion Ratio Lower Upper
43 100
58 20.6 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 48.991 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027948.D
Acq: 05 Nov 2018 11:40

Tgt Ion: 95 Resp: 163599
Ion Ratio Lower Upper
95 100
174 76.9 0.0 156.4
176 74.5 0.0 150.8

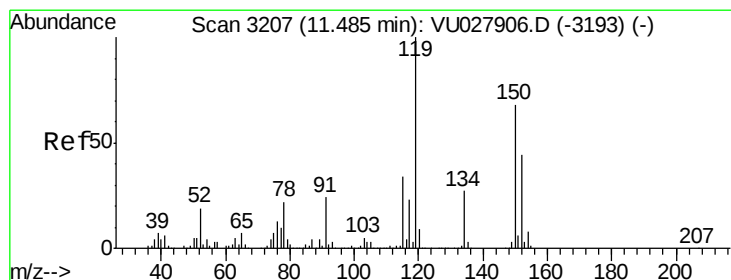
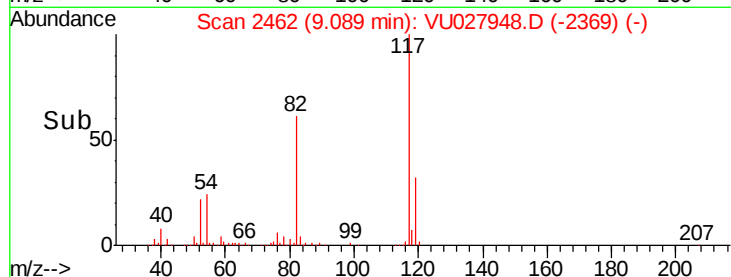
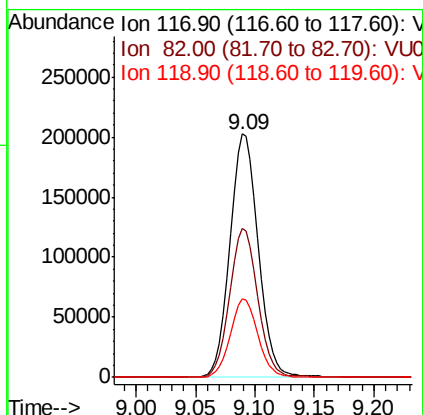
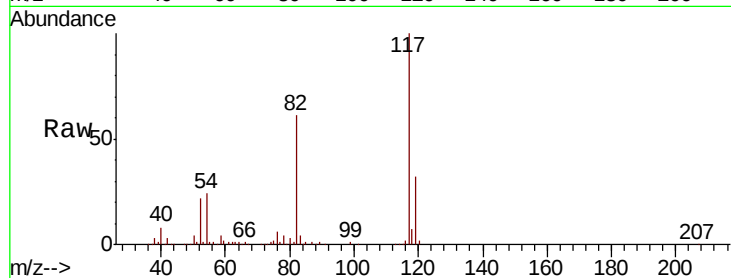




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027948.D
Acq: 05 Nov 2018 11:40

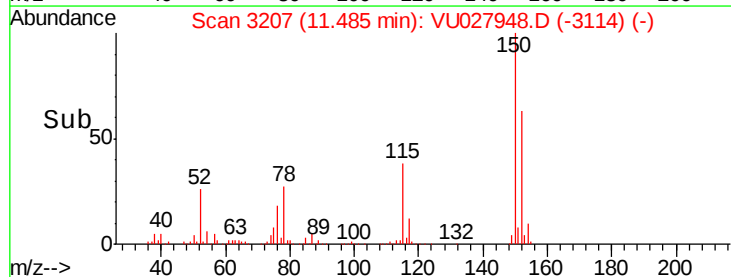
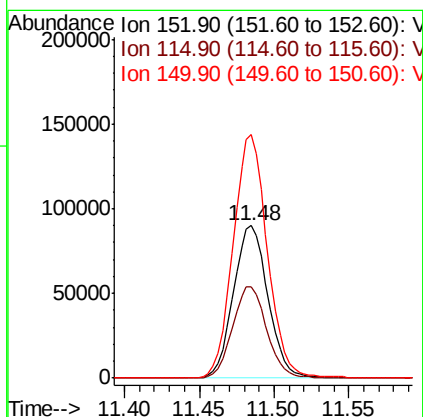
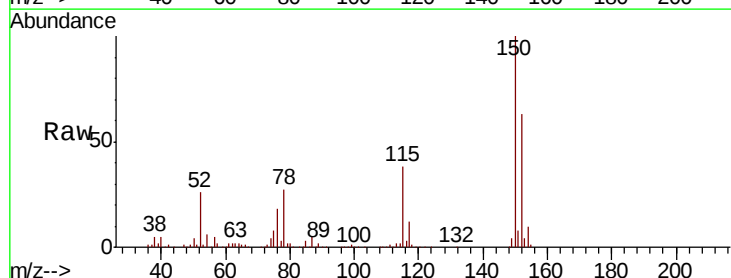
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#03

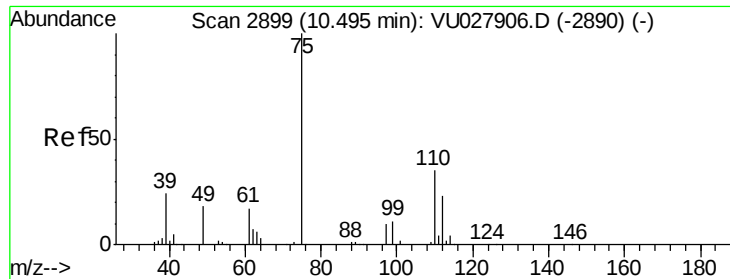
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	48.6	73.0
119	32.2	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027948.D
Acq: 05 Nov 2018 11:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	43.0	129.0
150	157.7	0.0	349.4

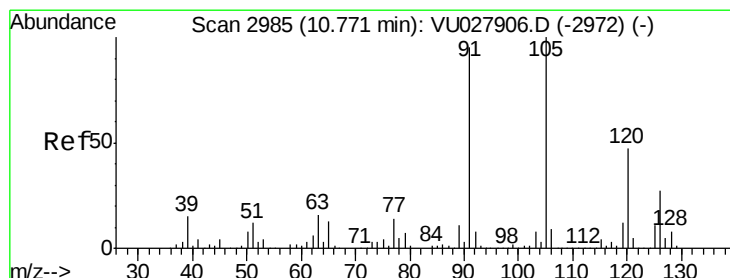
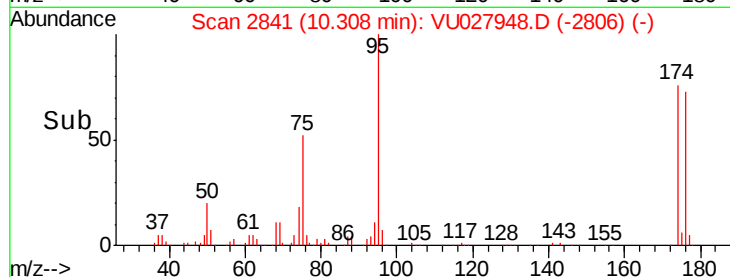
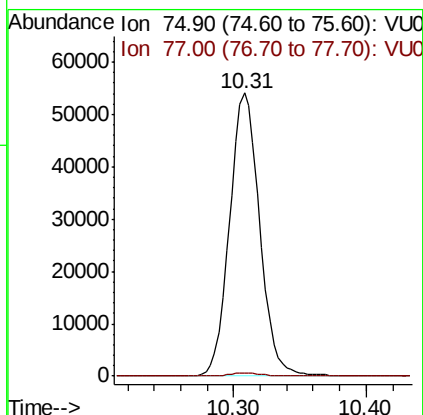
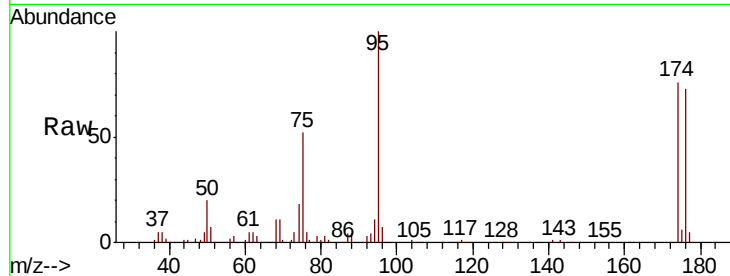




#76
 1,2,3-Trichloropropane
 Concen: 21.489 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027948.D
 Acq: 05 Nov 2018 11:40

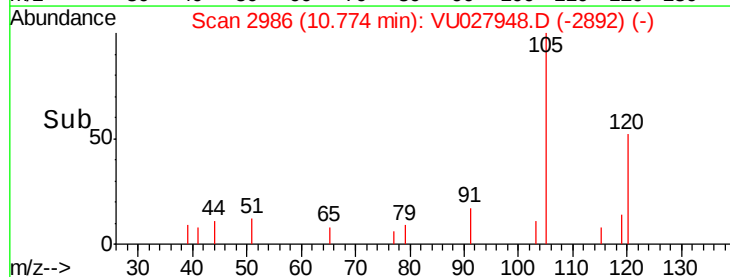
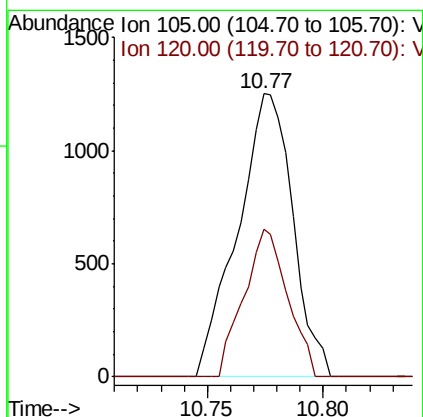
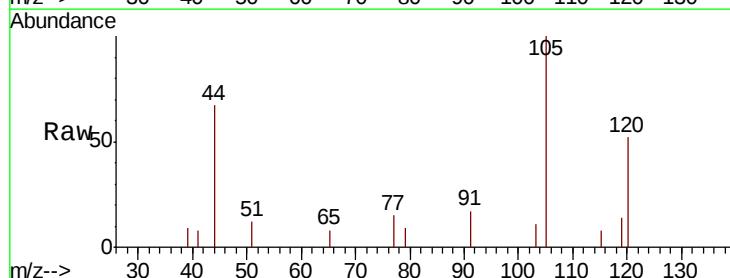
Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#03

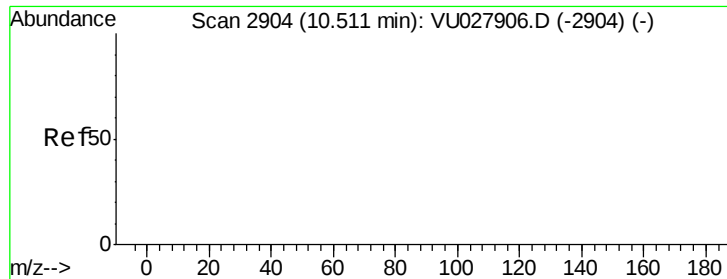
Tot Ion: 75 Resp: 85275
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.6 64.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.222 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027948.D
 Acq: 05 Nov 2018 11:40

Tgt Ion: 105 Resp: 2068
 Ion Ratio Lower Upper
 105 100
 120 41.5 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 53.635 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027948.D

Acq: 05 Nov 2018 11:40

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#03

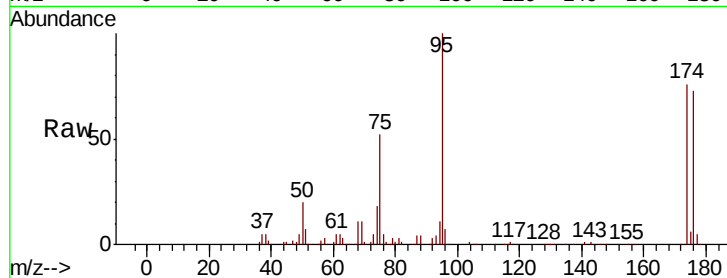
Tot Ion: 75 Resp: 85275

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): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

