

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110218\
 Data File : VU027924.D
 Acq On : 02 Nov 2018 14:27
 Operator : MD/SY
 Sample : J5741-30
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-7

Quant Time: Nov 03 04:22:34 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	187047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	332705	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	293610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	120515	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	146744	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
35) Dibromofluoromethane	4.88	113	107998	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
50) Toluene-d8	7.57	98	428657	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
62) 4-Bromofluorobenzene	10.31	95	138992	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	

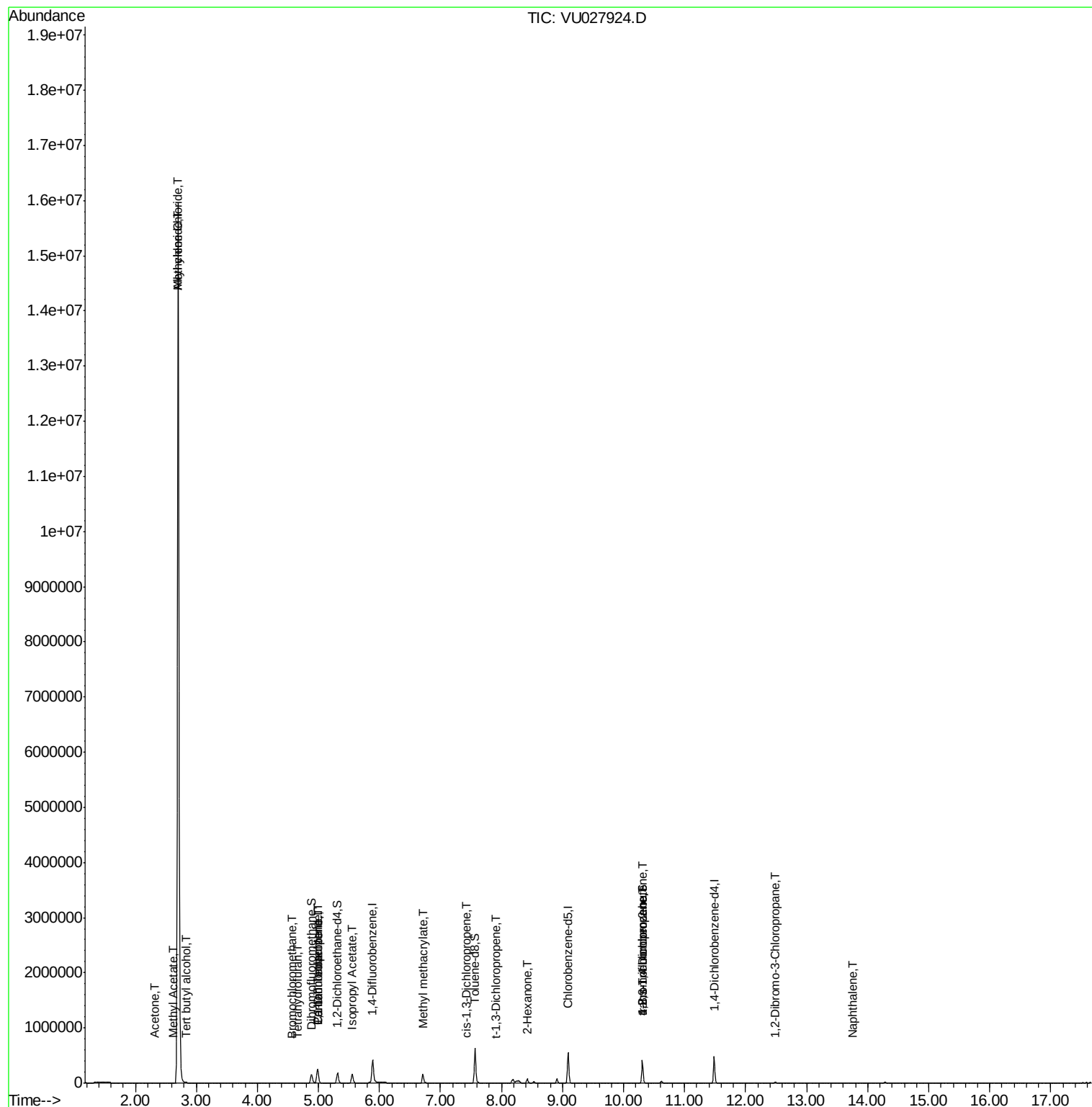
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	304	0.413	ug/l #	73
13) Acrolein	2.21	56	20	Below Cal	#	1
14) Allyl chloride	2.70	41	338743	70.701	ug/l #	27
16) Acetone	2.32	43	7921	4.591	ug/l	99
18) Methyl Acetate	2.62	43	5040	1.062	ug/l #	88
20) Methylene Chloride	2.70	84	6640348	2635.916	ug/l	98
28) Bromochloromethane	4.57	49	1667	0.722	ug/l #	91
29) Tetrahydrofuran	4.66	42	416	0.227	ug/l #	63
31) Cyclohexane	4.99	56	4371	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	16102	4.621	ug/l #	48
38) Carbon Tetrachloride	4.99	117	18108	5.864	ug/l #	16
43) Isopropyl Acetate	5.55	43	196325	24.544	ug/l	99
48) Methyl methacrylate	6.71	41	15698	4.005	ug/l #	46
53) t-1,3-Dichloropropene	7.90	75	20	1.123	ug/l #	43
54) cis-1,3-Dichloropropene	7.43	75	1130	0.269	ug/l #	45
59) 2-Hexanone	8.42	43	11202	2.711	ug/l #	56
76) 1,2,3-Trichloropropane	10.31	75	73132	22.185	ug/l #	34
81) trans-1,4-Dichloro-2-buten	10.31	75	73132	55.363	ug/l #	100
92) 1,2-Dibromo-3-Chloropropan	12.48	75	520	0.655	ug/l #	4
95) Naphthalene	13.75	128	6222	0.450	ug/l	98

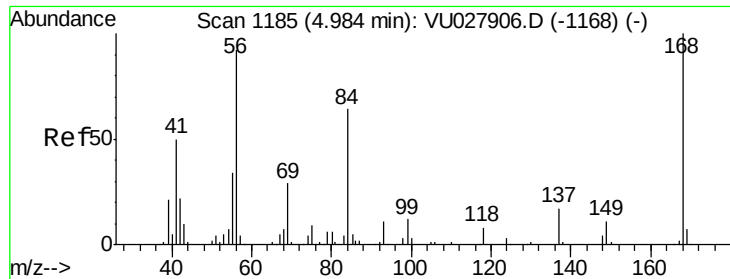
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027924.D

Acq: 02 Nov 2018 14:27

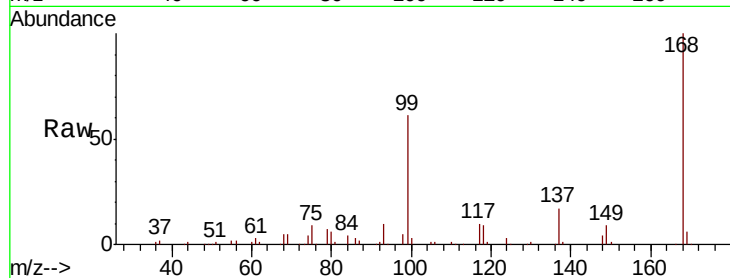
Instrument :
MSVOA_U
ClientSampleId :
TP-7

Tot Ion:168 Resp: 187047

Ion Ratio Lower Upper

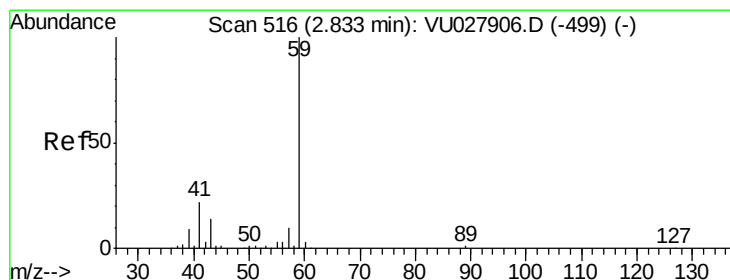
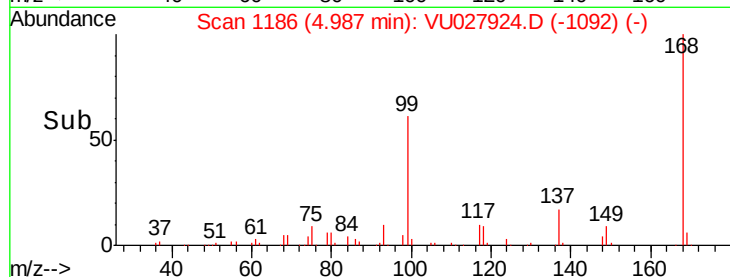
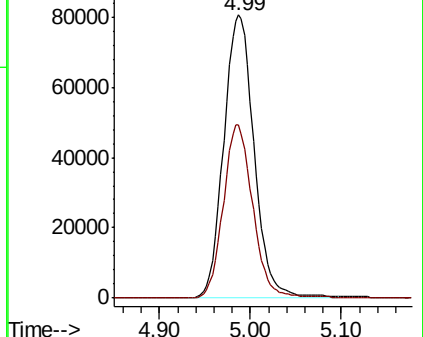
168 100

99 61.3 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) (-)



#11

Tert butyl alcohol

Concen: 0.413 ug/l

RT: 2.84 min Scan# 518

Delta R.T. 0.01 min

Lab File: VU027924.D

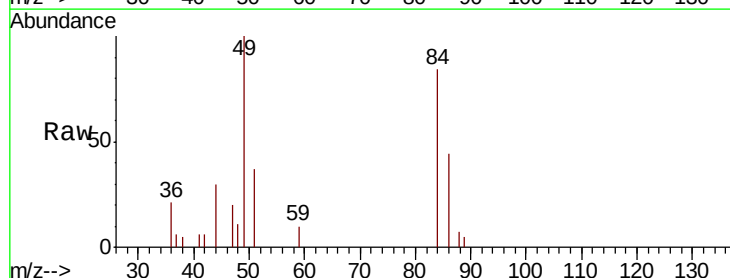
Acq: 02 Nov 2018 14:27

Tgt Ion: 59 Resp: 304

Ion Ratio Lower Upper

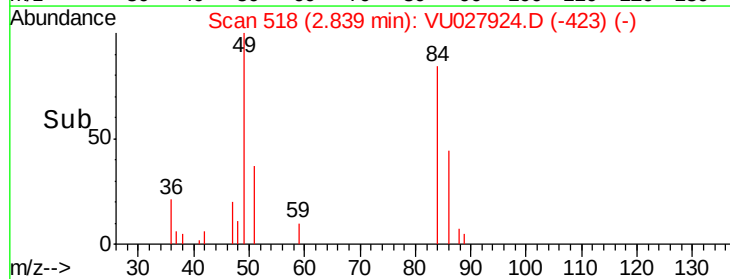
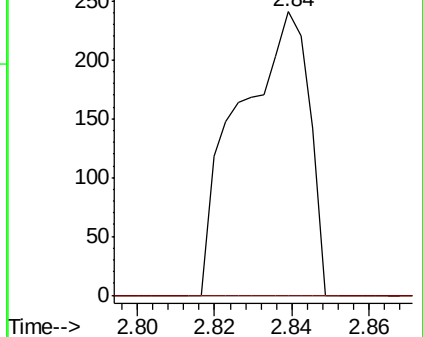
59 100

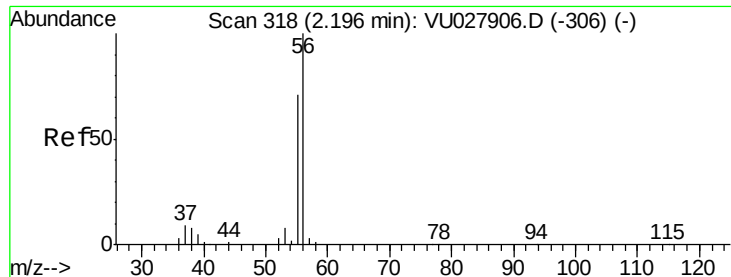
57 0.0 7.8 11.8#



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

Ion 57.00 (56.70 to 57.70): VU027906.D (-499) (-)





#13

Acrolein

Concen: Below Cal

RT: 2.21 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU027924.D

Acq: 02 Nov 2018 14:27

Instrument :

MSVOA_U

ClientSampled :

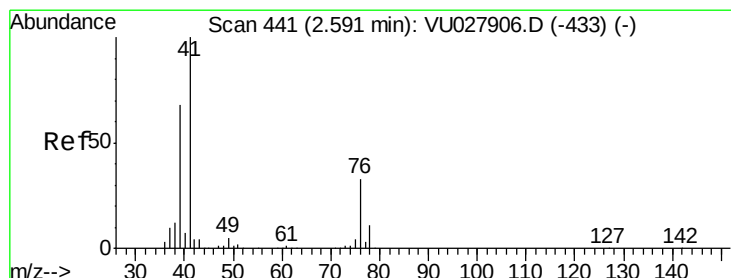
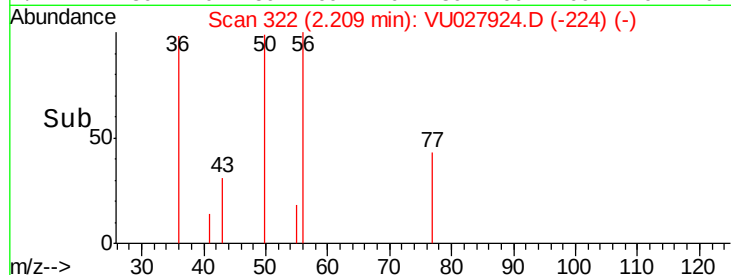
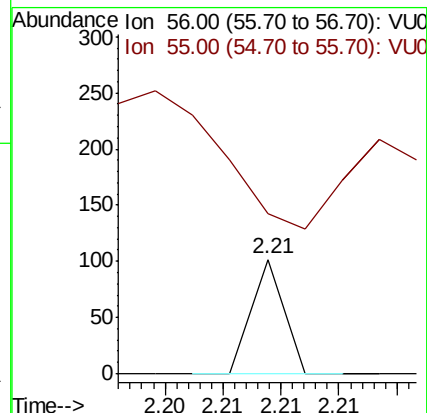
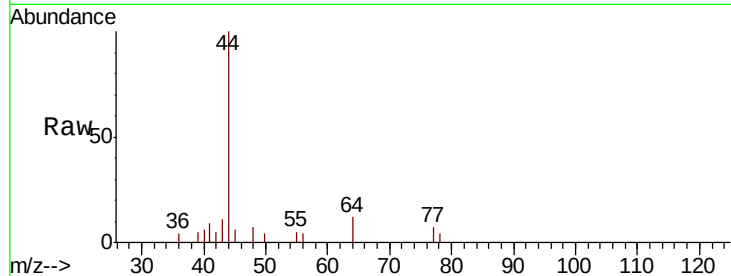
TP-7

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 1710.0 56.2 84.4#



#14

Allyl chloride

Concen: 70.701 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.11 min

Lab File: VU027924.D

Acq: 02 Nov 2018 14:27

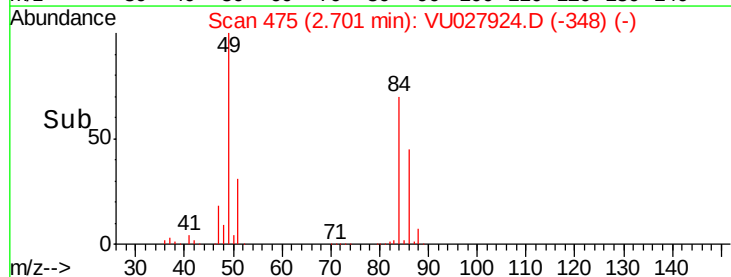
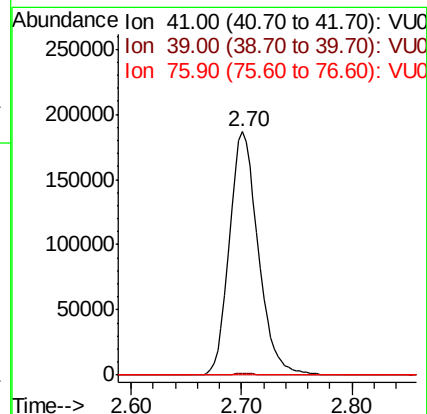
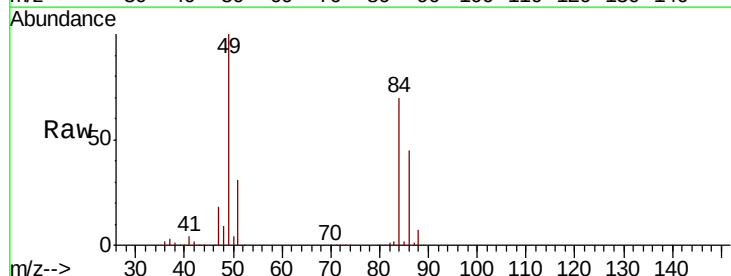
Tgt Ion: 41 Resp: 338743

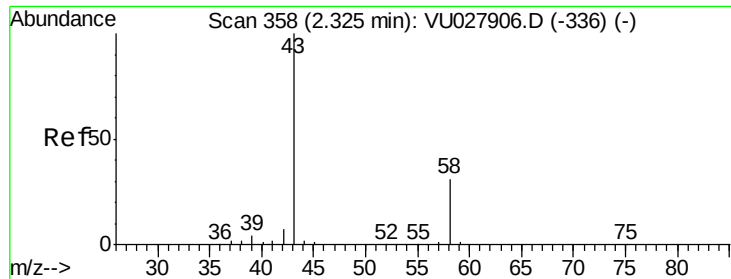
Ion Ratio Lower Upper

41 100

39 0.7 51.9 77.9#

76 0.0 23.8 35.6#





#16

Acetone

Concen: 4.591 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027924.D

Acq: 02 Nov 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

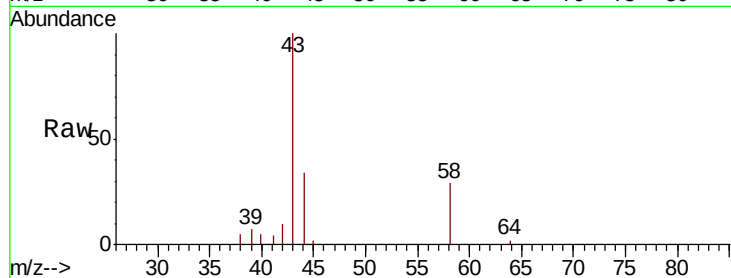
TP-7

Tot Ion: 43 Resp: 7921

Ion Ratio Lower Upper

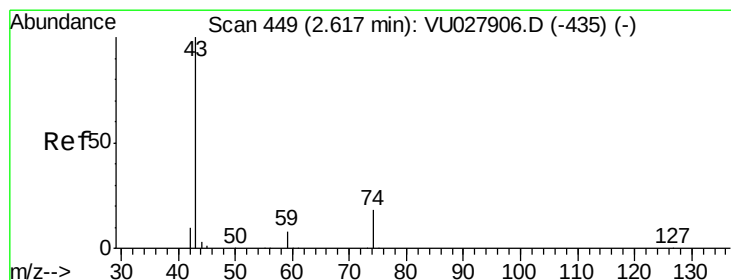
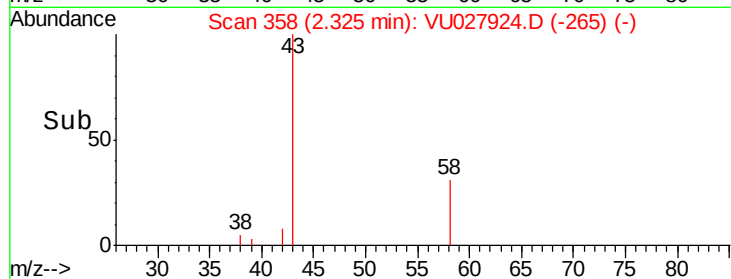
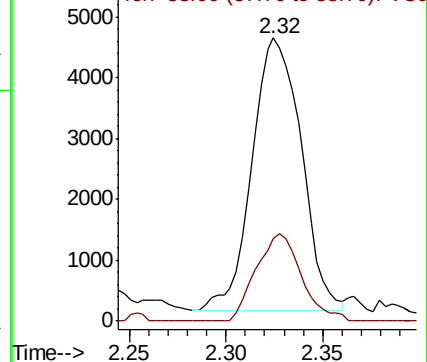
43 100

58 30.0 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 1.062 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU027924.D

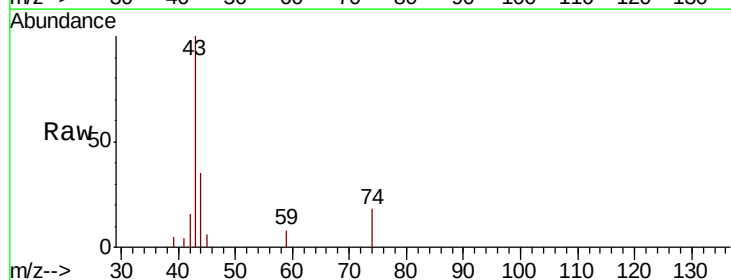
Acq: 02 Nov 2018 14:27

Tgt Ion: 43 Resp: 5040

Ion Ratio Lower Upper

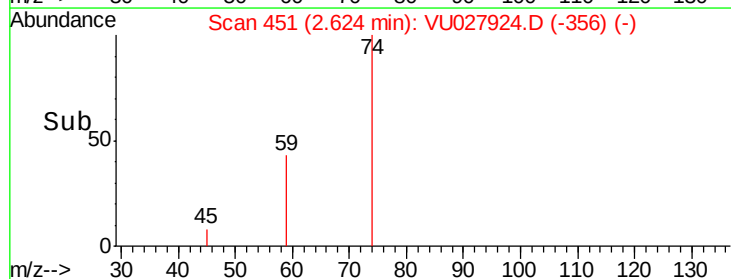
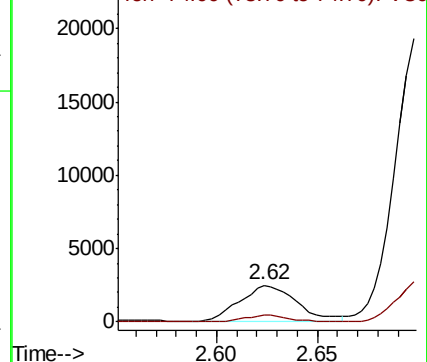
43 100

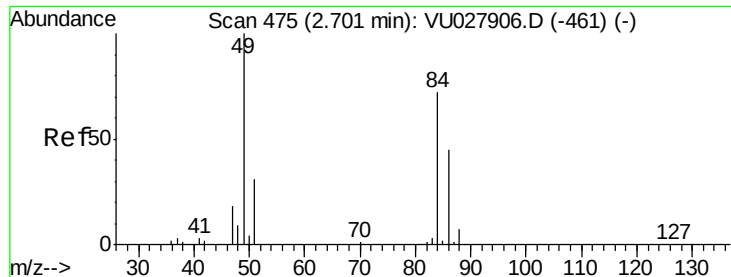
74 13.3 14.9 22.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



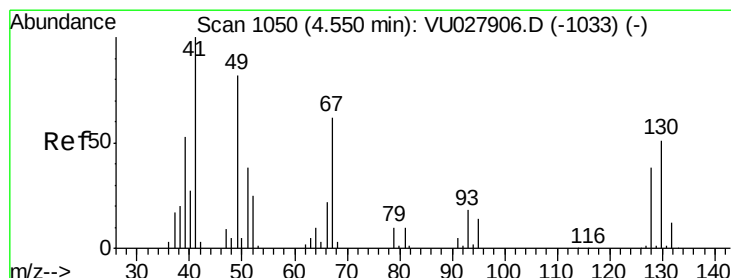
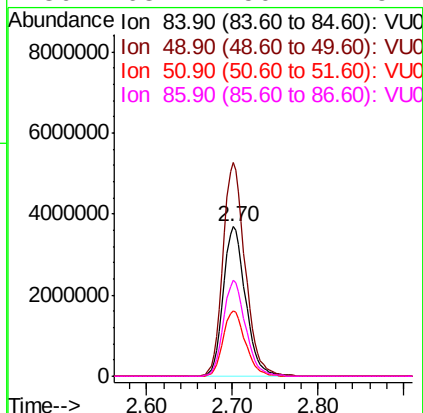
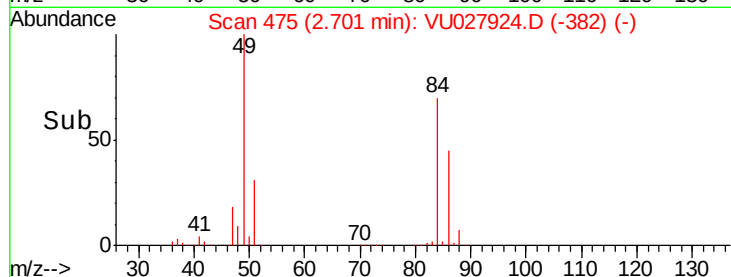
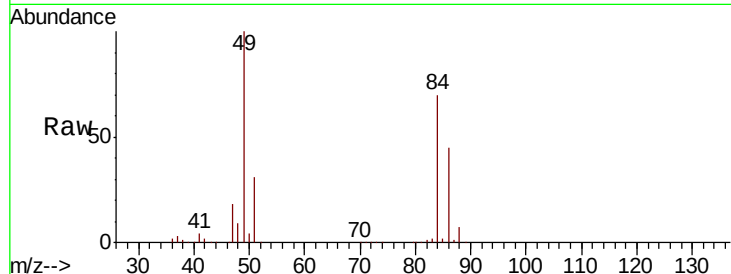


#20
Methvlene Chloride
Concen: 2635.916 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027924.D
Acq: 02 Nov 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
TP-7

Tot Ion: 84 Resp: 6640348

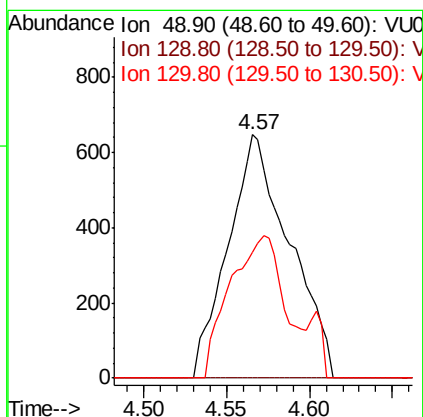
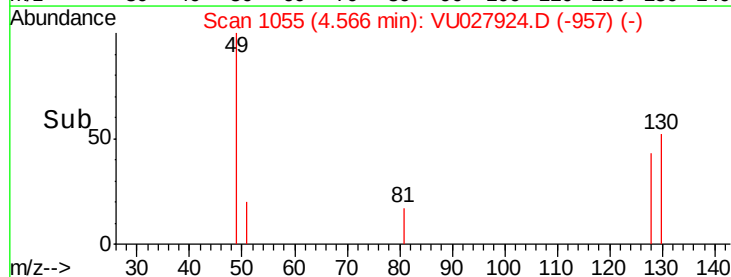
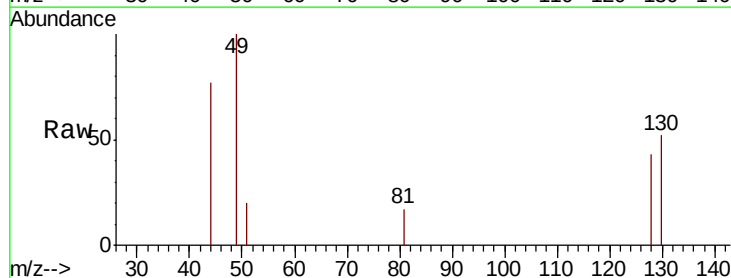
Ion	Ratio	Lower	Upper
84	100		
49	142.7	111.6	167.4
51	44.0	34.8	52.2
86	63.7	50.1	75.1

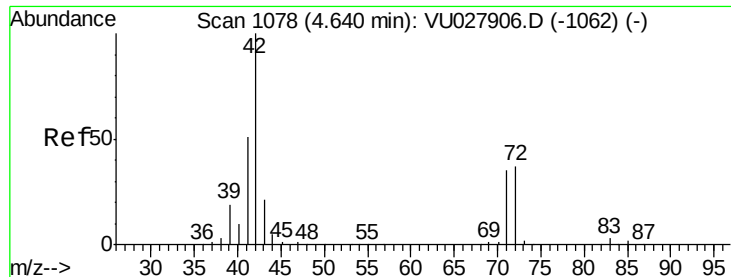


#28
Bromochloromethane
Concen: 0.722 ug/l
RT: 4.57 min Scan# 1055
Delta R.T. 0.02 min
Lab File: VU027924.D
Acq: 02 Nov 2018 14:27

Tgt Ion: 49 Resp: 1667

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	52.8	47.8	71.6





#29

Tetrahydrofuran

Concen: 0.227 ug/l

RT: 4.66 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VU027924.D

Acq: 02 Nov 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

TP-7

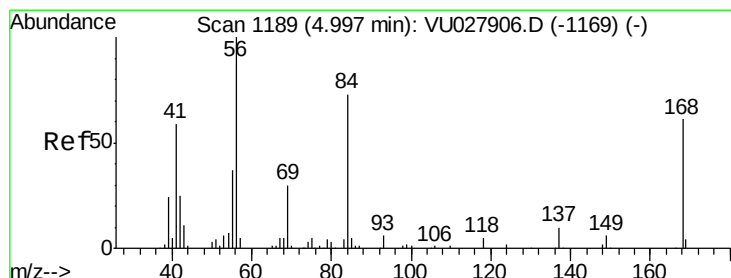
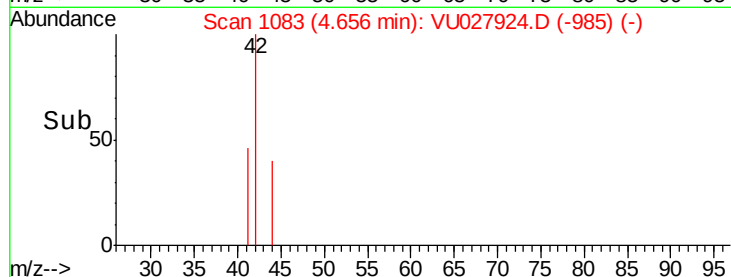
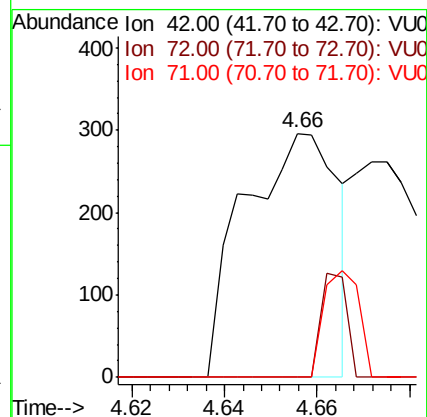
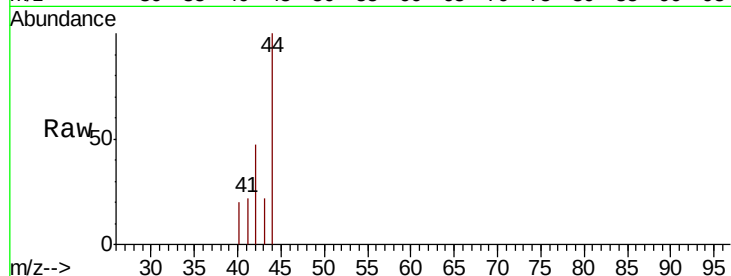
Tot Ion: 42 Resp: 416

Ion Ratio Lower Upper

42 100

72 11.5 29.4 44.0#

71 16.3 27.9 41.9#



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1187

Delta R.T. -0.01 min

Lab File: VU027924.D

Acq: 02 Nov 2018 14:27

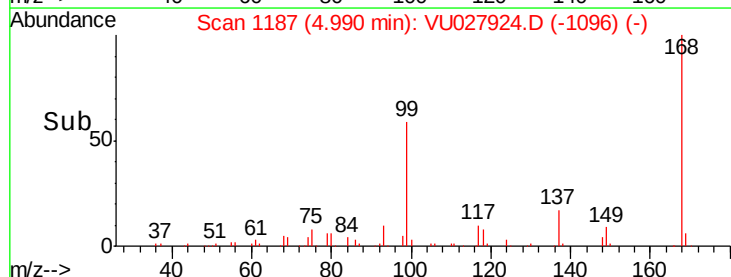
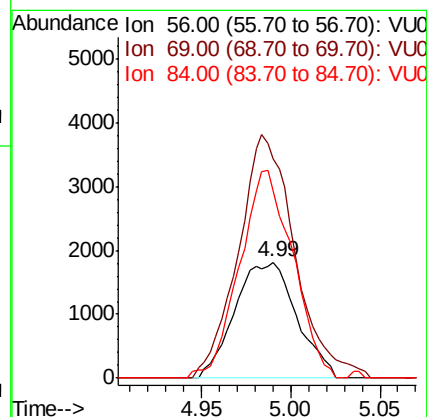
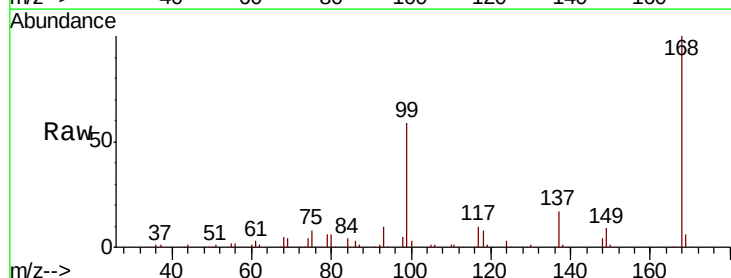
Tgt Ion: 56 Resp: 4371

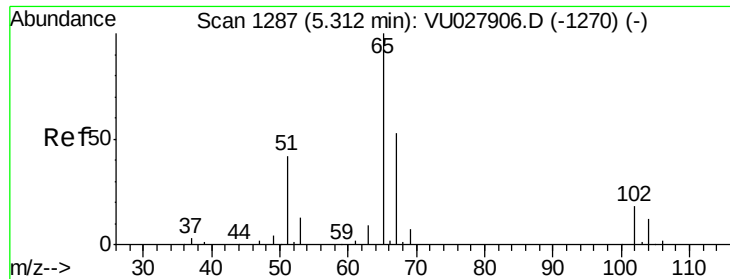
Ion Ratio Lower Upper

56 100

69 189.8 23.7 35.5#

84 161.8 58.2 87.4#

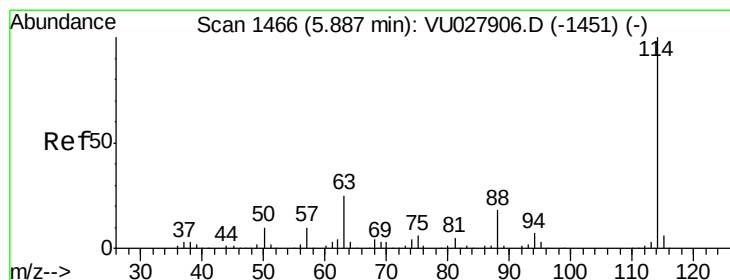
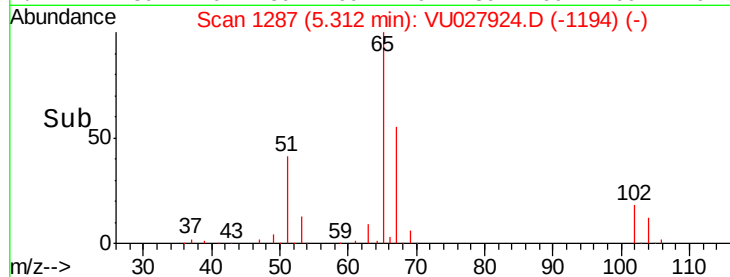
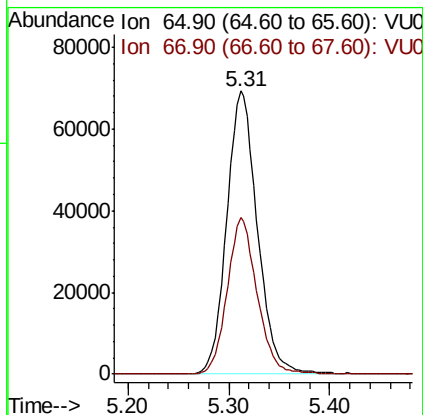
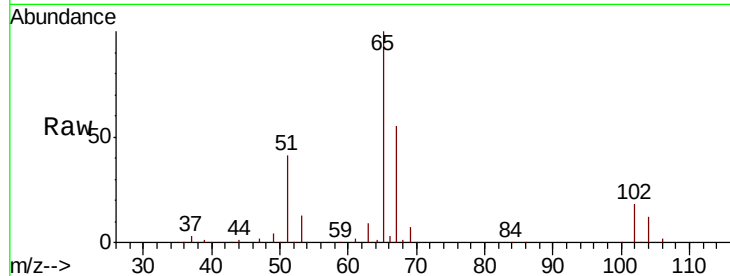




#33
 1,2-Dichloroethane-d4
 Concen: 52.768 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027924.D
 Acq: 02 Nov 2018 14:27

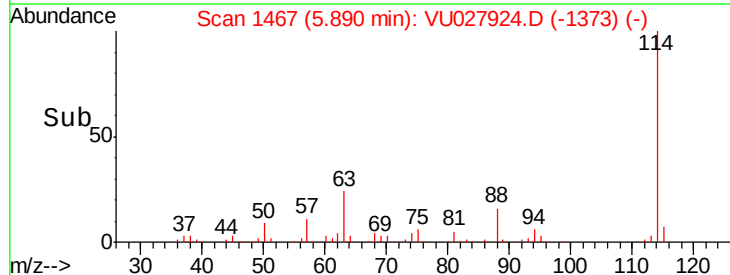
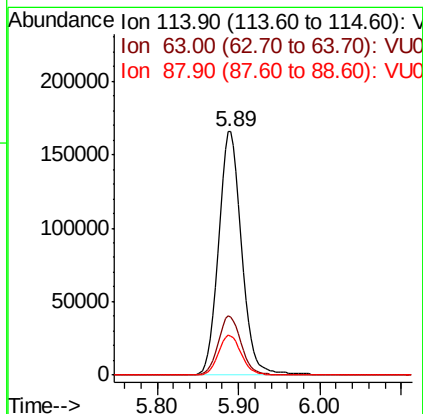
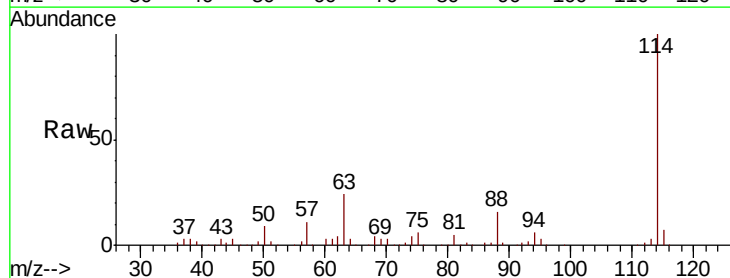
Instrument :
 MSVOA_U
 ClientSampleId :
 TP-7

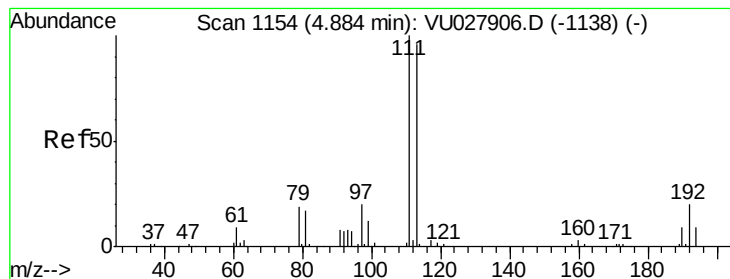
Tot Ion: 65 Resp: 146744
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027924.D
 Acq: 02 Nov 2018 14:27

Tgt Ion: 114 Resp: 332705
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 50.8
 88 16.1 0.0 35.8





#35

Dibromofluoromethane

Concen: 51.483 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027924.D

Acq: 02 Nov 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
TP-7

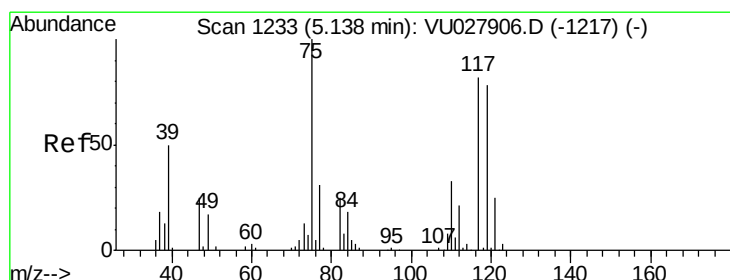
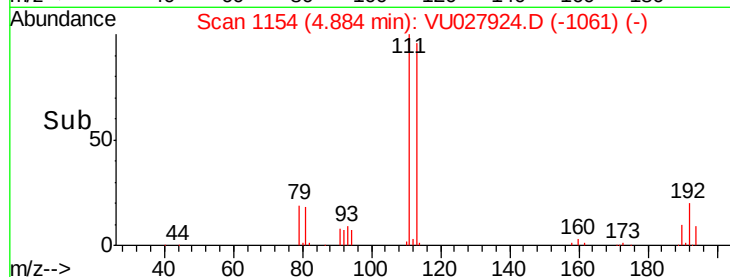
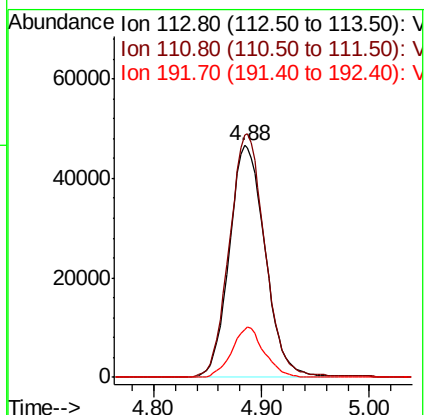
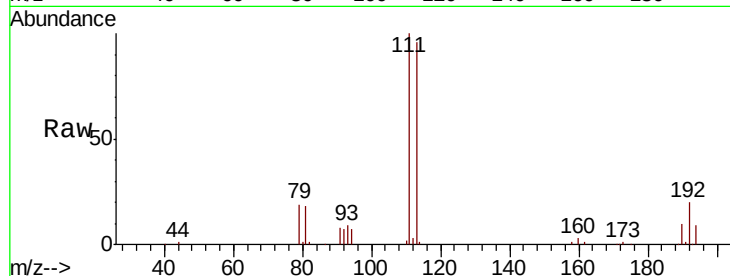
Tot Ion:113 Resp: 107998

Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.0	124.6
192	19.7	15.6	23.4

113 100

111 104.3 83.0 124.6

192 19.7 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.621 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027924.D

Acq: 02 Nov 2018 14:27

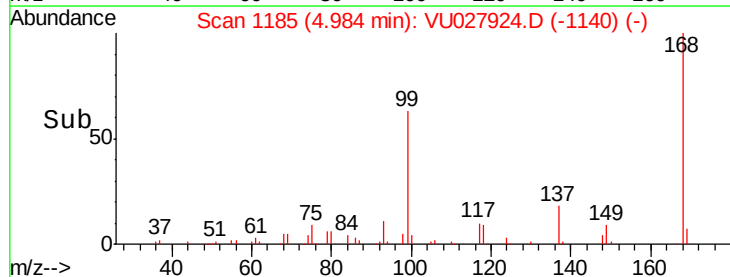
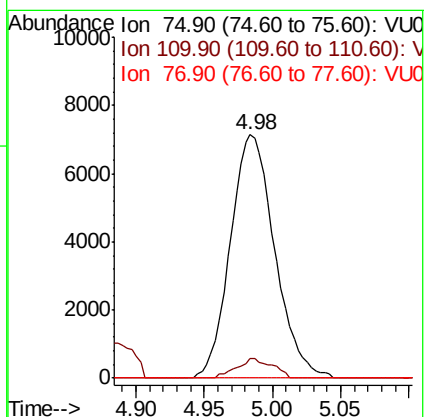
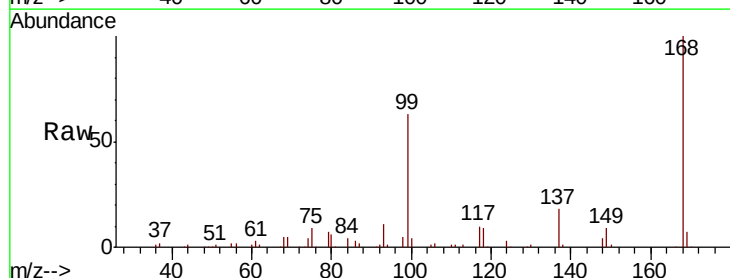
Tgt Ion: 75 Resp: 16102

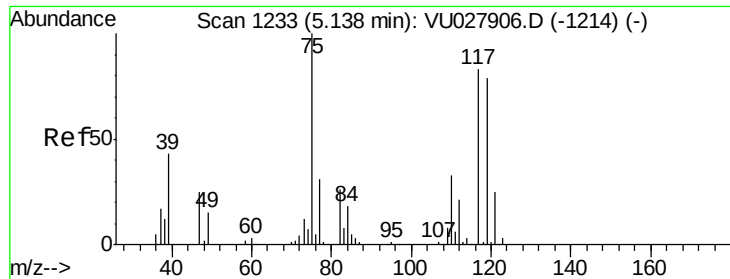
Ion	Ratio	Lower	Upper
75	100		
110	6.4	16.5	49.5#
77	0.0	24.9	37.3#

75 100

110 6.4 16.5 49.5#

77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.864 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027924.D

Acq: 02 Nov 2018 14:27

Instrument :

MSVOA_U

ClientSampled :

TP-7

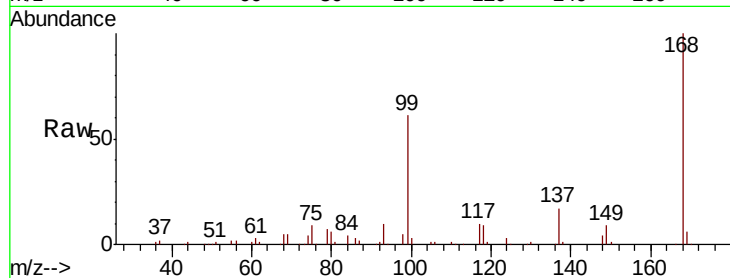
Tot Ion:117 Resp: 18108

Ion Ratio Lower Upper

117 100

119 5.2 76.0 114.0#

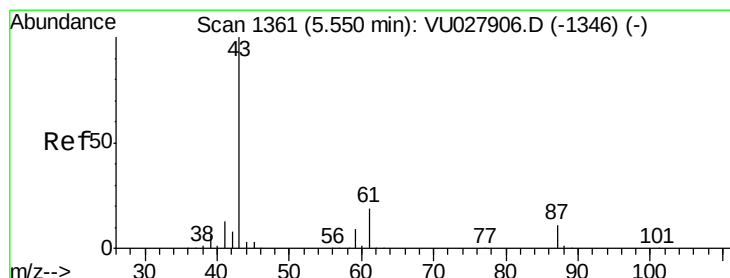
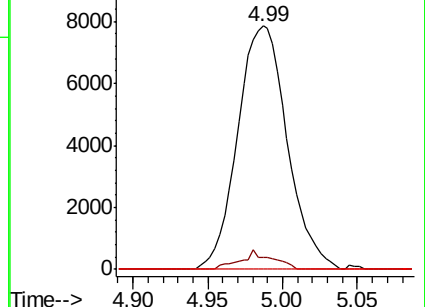
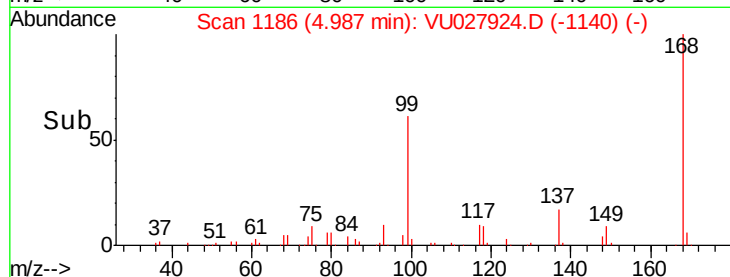
121 0.0 24.5 36.7#



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: 24.544 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027924.D

Acq: 02 Nov 2018 14:27

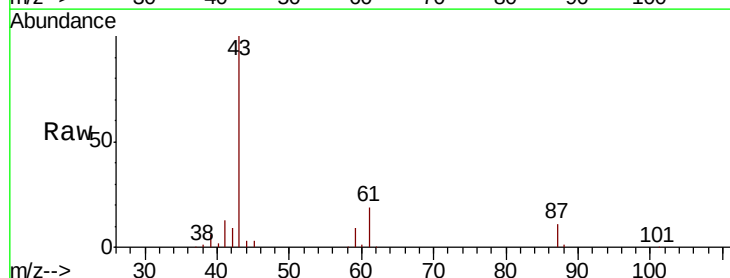
Tgt Ion: 43 Resp: 196325

Ion Ratio Lower Upper

43 100

61 19.0 15.0 22.4

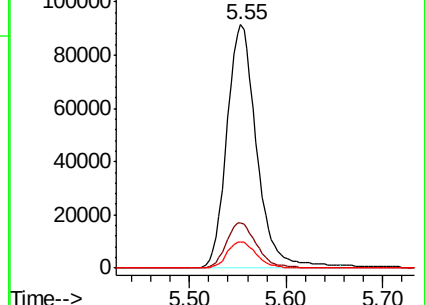
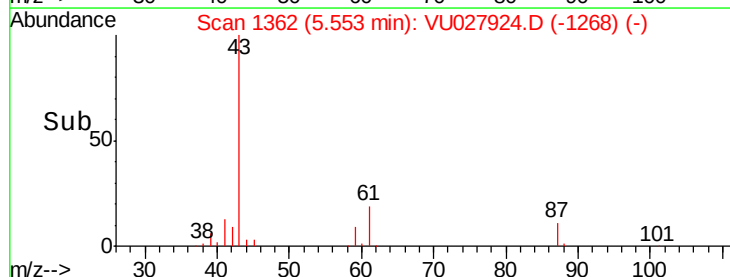
87 10.5 8.6 12.8

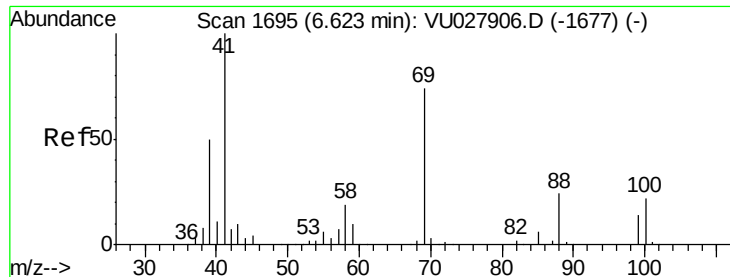


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

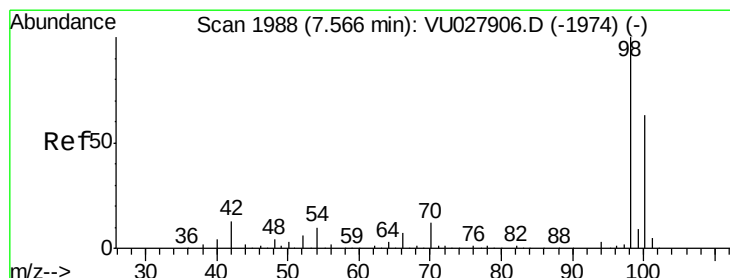
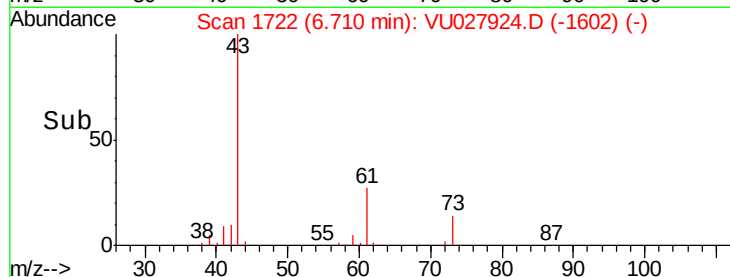
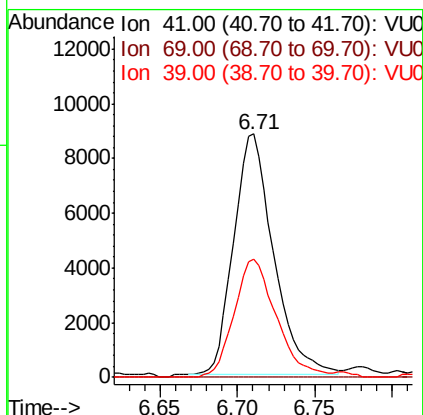
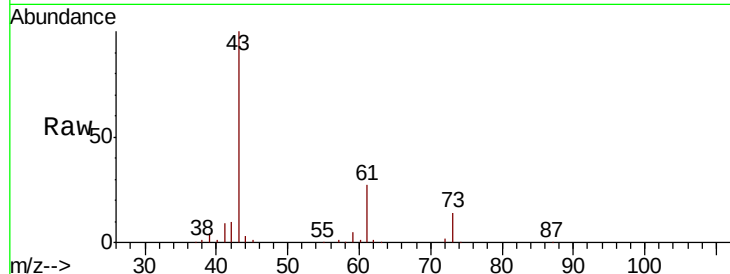




#48
Methvl methacrylate
Concen: 4.005 ug/l
RT: 6.71 min Scan# 1722
Delta R.T. 0.09 min
Lab File: VU027924.D
Acq: 02 Nov 2018 14:27

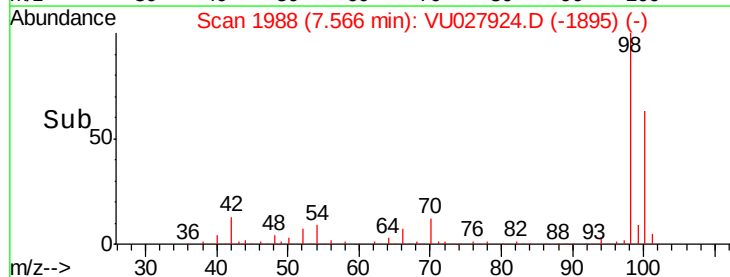
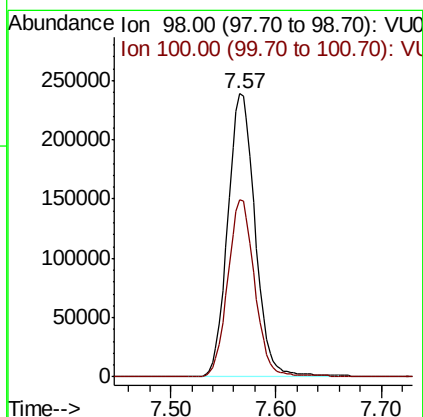
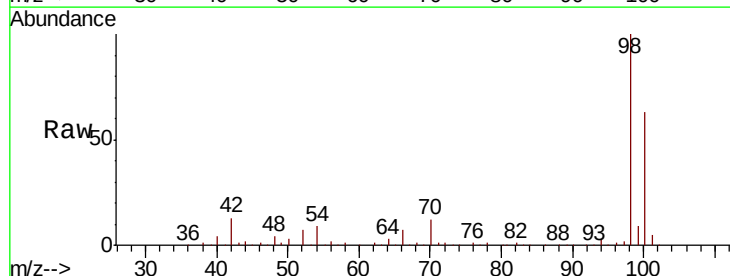
Instrument :
MSVOA_U
ClientSampleId :
TP-7

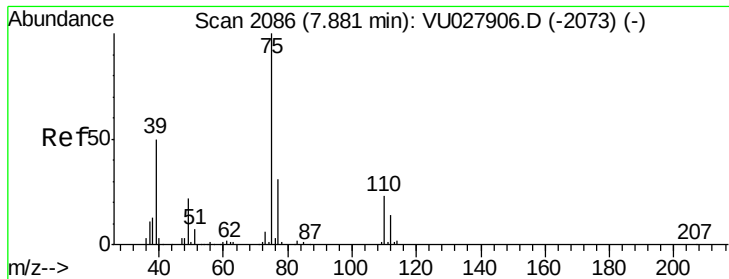
Tot Ion: 41 Resp: 15698
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 52.0 40.0 60.0



#50
Toluene-d8
Concen: 52.898 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027924.D
Acq: 02 Nov 2018 14:27

Tgt Ion: 98 Resp: 428657
Ion Ratio Lower Upper
98 100
100 61.9 50.1 75.1





#53

t-1,3-Dichloropropene

Concen: 1.123 ug/l

RT: 7.90 min Scan# 2092

Delta R.T. 0.02 min

Lab File: VU027924.D

Acq: 02 Nov 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

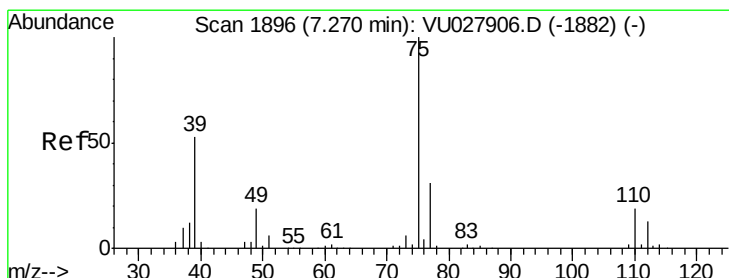
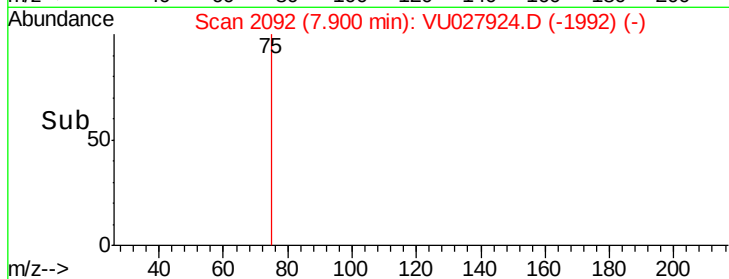
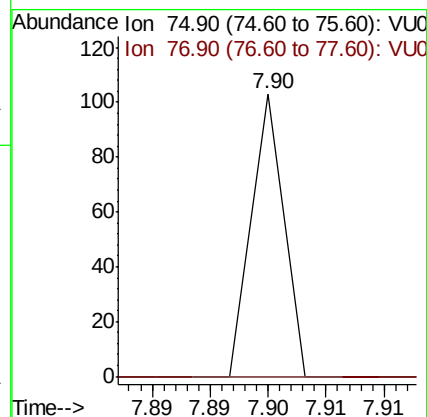
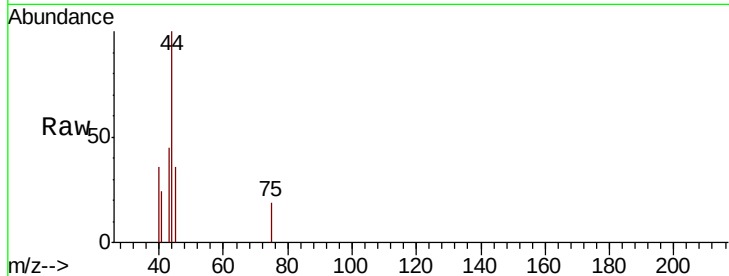
TP-7

Tot Ion: 75 Resp: 20

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 0.269 ug/l

RT: 7.43 min Scan# 1946

Delta R.T. 0.16 min

Lab File: VU027924.D

Acq: 02 Nov 2018 14:27

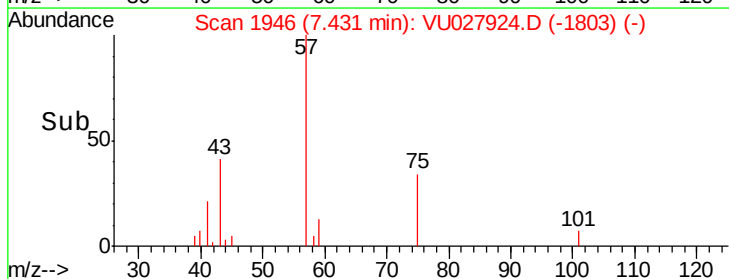
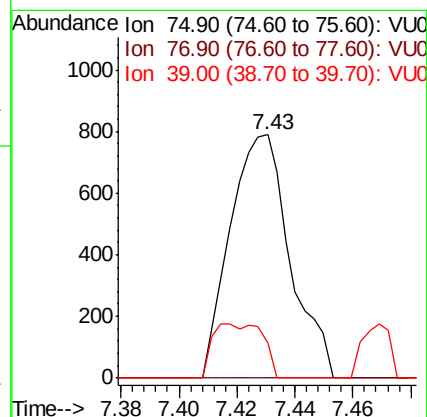
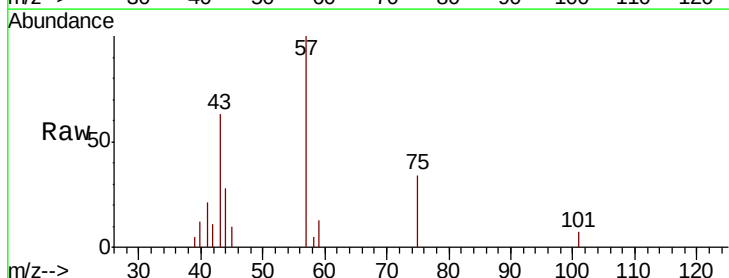
Tgt Ion: 75 Resp: 1130

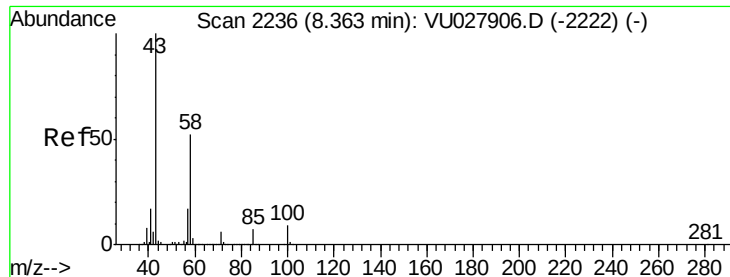
Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 14.6 42.6 64.0#





#59

2-Hexanone

Concen: 2.711 ug/l

RT: 8.42 min Scan# 2254

Delta R.T. 0.06 min

Lab File: VU027924.D

Acq: 02 Nov 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

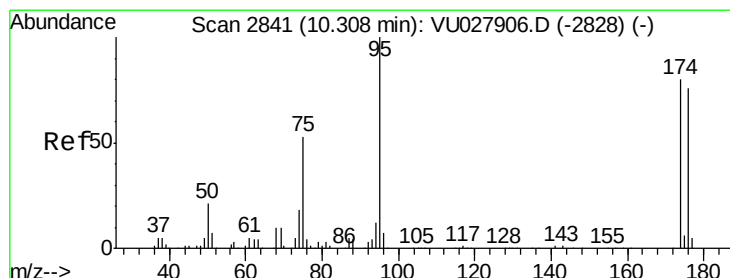
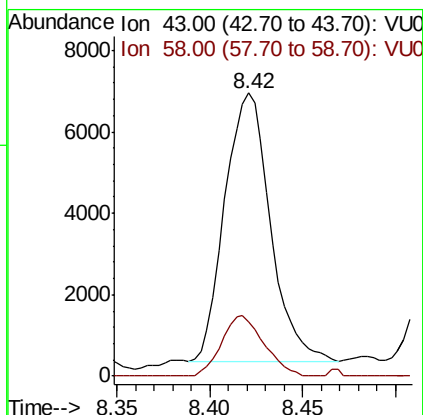
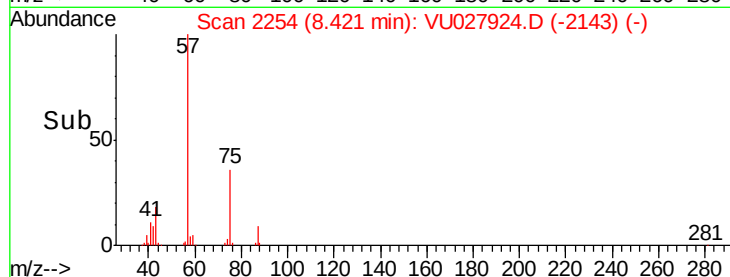
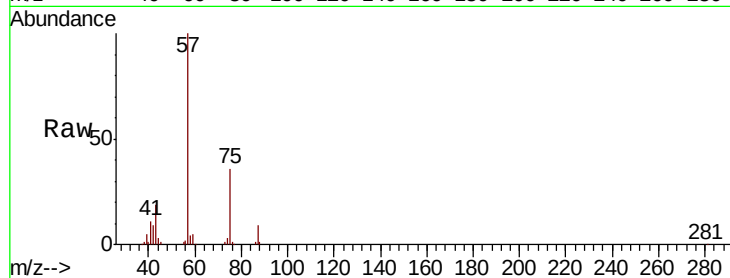
TP-7

Tot Ion: 43 Resp: 11202

Ion Ratio Lower Upper

43 100

58 20.9 25.8 77.3#



#62

4-Bromofluorobenzene

Concen: 46.503 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027924.D

Acq: 02 Nov 2018 14:27

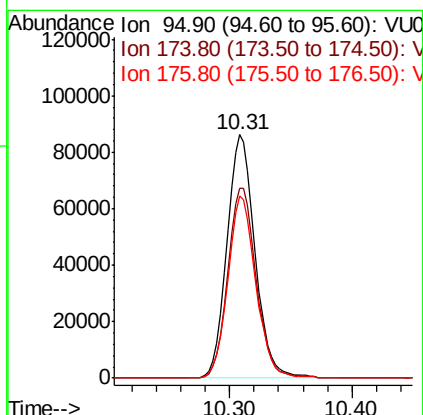
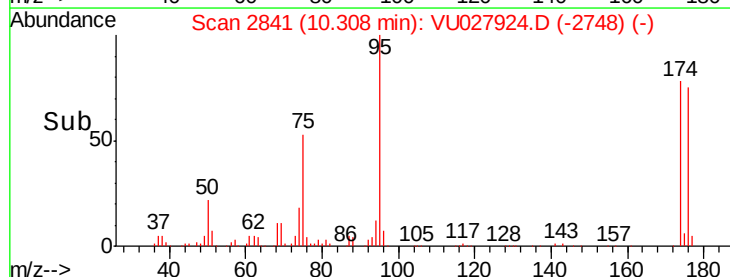
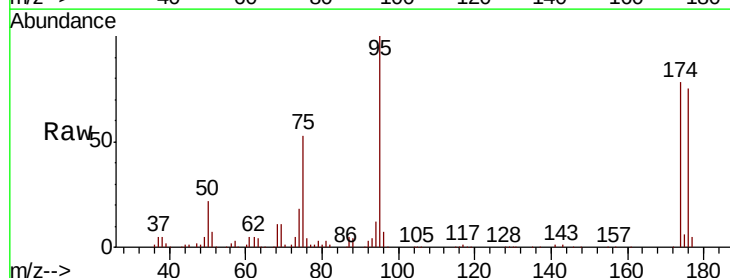
Tgt Ion: 95 Resp: 138992

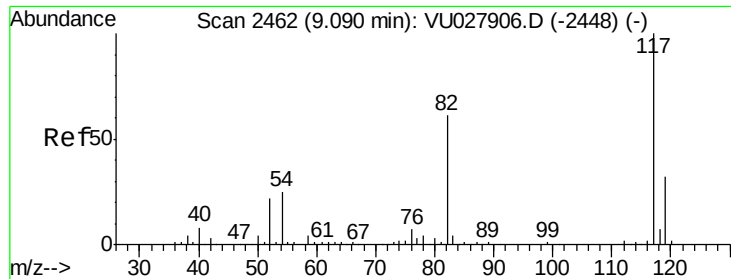
Ion Ratio Lower Upper

95 100

174 79.3 0.0 156.4

176 74.6 0.0 150.8

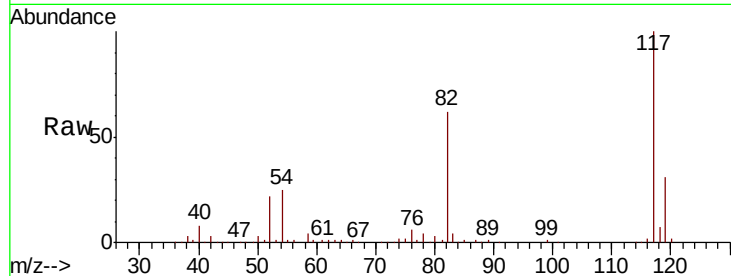




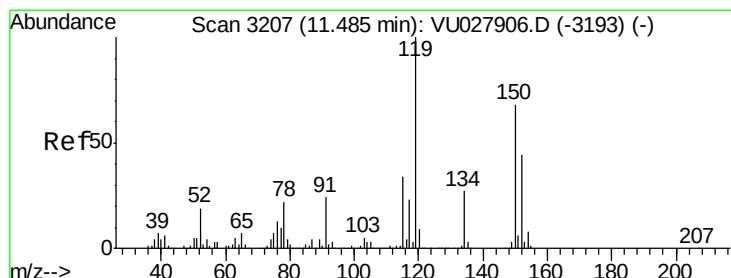
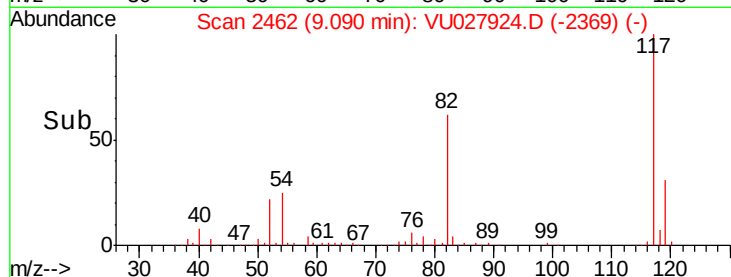
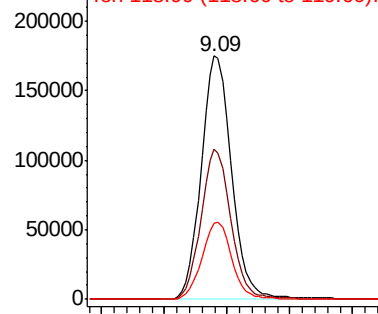
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027924.D
Acq: 02 Nov 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
TP-7

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	48.6	73.0
119	31.0	25.8	38.8

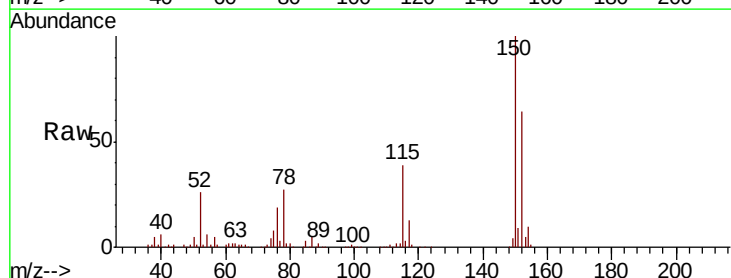


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

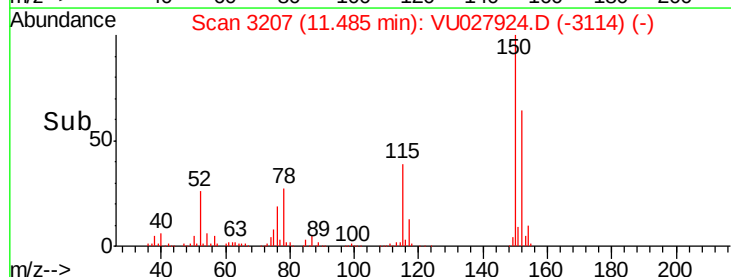
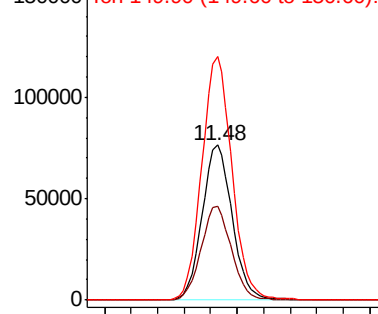


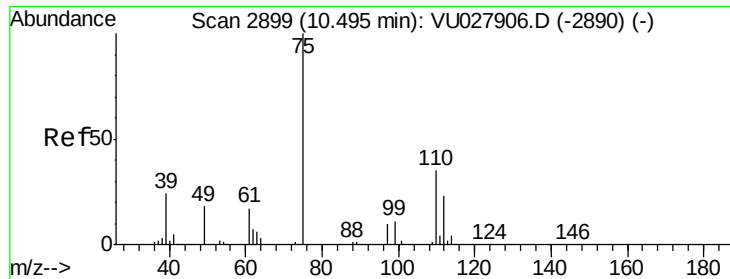
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027924.D
Acq: 02 Nov 2018 14:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	43.0	129.0
150	157.4	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

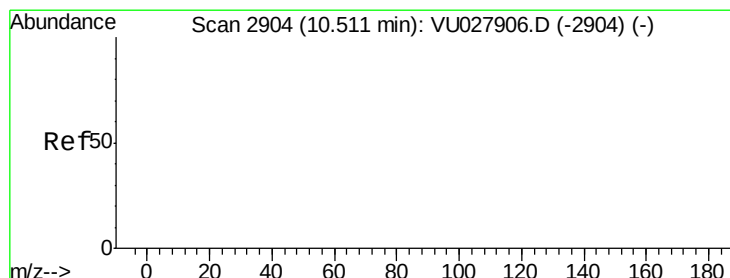
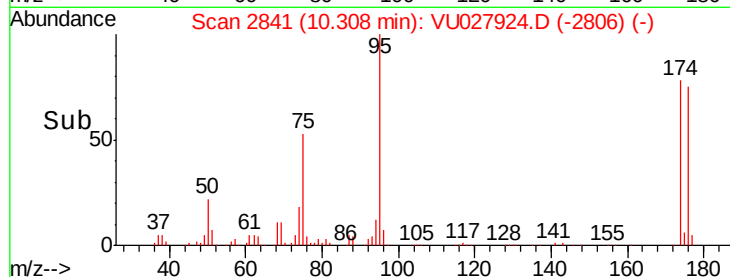
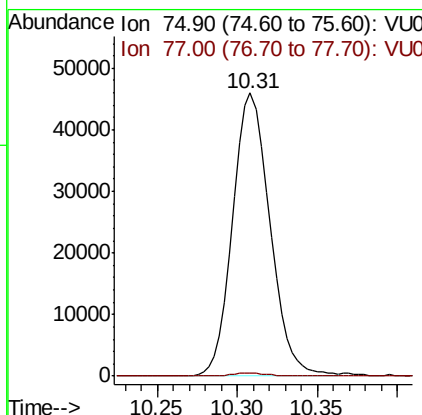
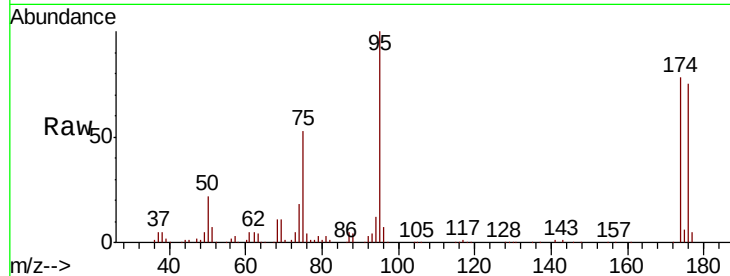




#76
 1,2,3-Trichloropropane
 Concen: 22.185 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027924.D
 Acq: 02 Nov 2018 14:27

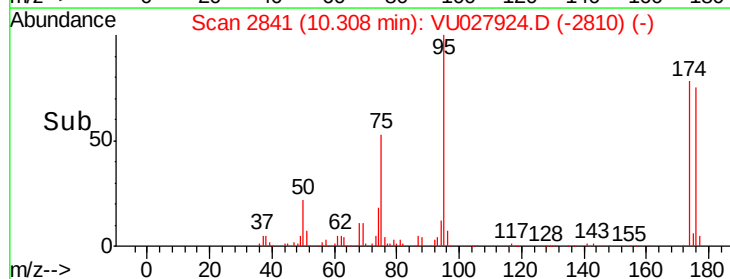
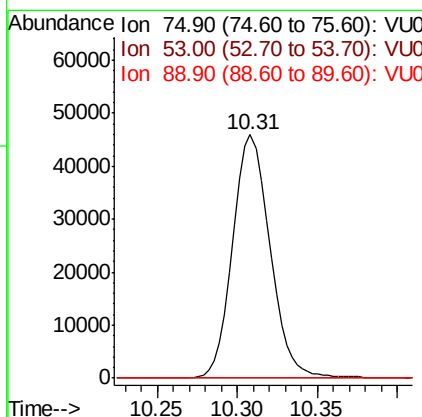
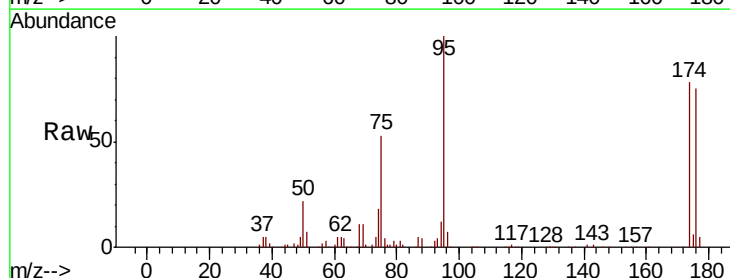
Instrument :
 MSVOA_U
 ClientSampled :
 TP-7

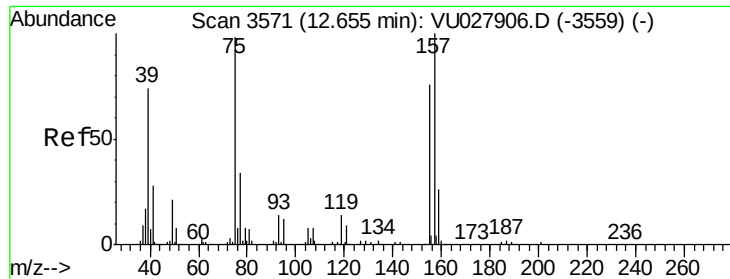
Tot Ion: 75 Resp: 73132
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.6 64.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.363 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU027924.D
 Acq: 02 Nov 2018 14:27

Tgt Ion: 75 Resp: 73132
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.655 ug/l

RT: 12.48 min Scan# 3516

Delta R.T. -0.18 min

Lab File: VU027924.D

Acq: 02 Nov 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

TP-7

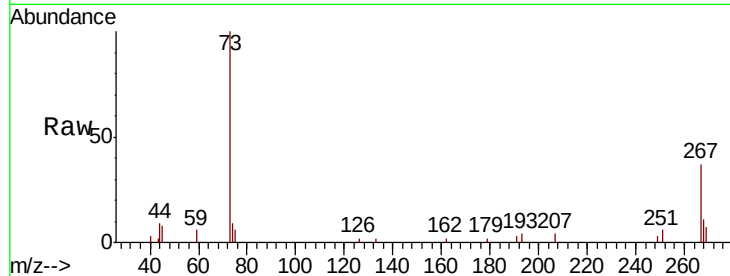
Tot Ion: 75 Resp: 520

Ion Ratio Lower Upper

75 100

155 0.0 39.8 119.3#

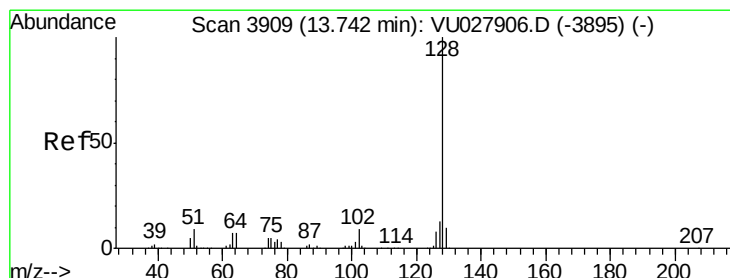
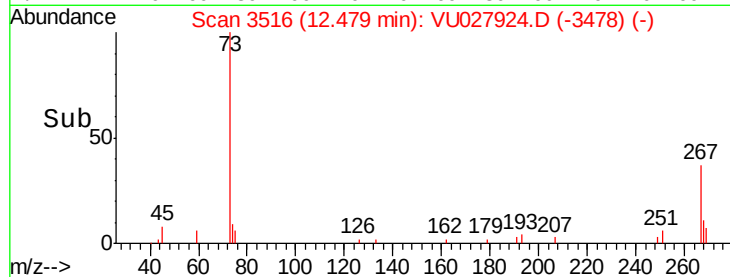
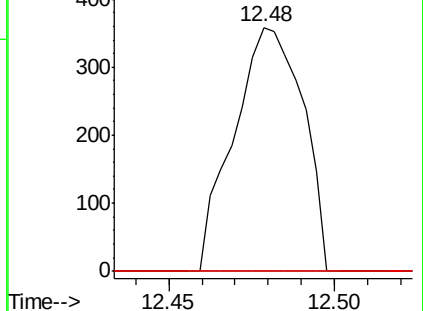
157 0.0 50.6 151.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 0.450 ug/l

RT: 13.75 min Scan# 3912

Delta R.T. 0.01 min

Lab File: VU027924.D

Acq: 02 Nov 2018 14:27

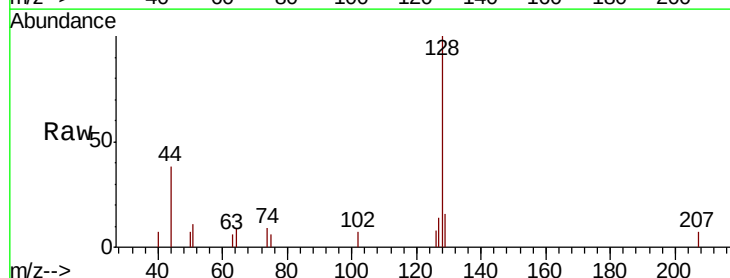
Tgt Ion: 128 Resp: 6222

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 11.7 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

