

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120318\
 Data File : VU028440.D
 Acq On : 03 Dec 2018 14:46
 Operator : MD/SY
 Sample : PB115231ZHE#17
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB115231ZHE#17

Quant Time: Dec 04 06:55:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	297445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	560597	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	536589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	259190	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	248209	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	4.88	113	184788	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	7.57	98	734615	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	10.31	95	274224	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	

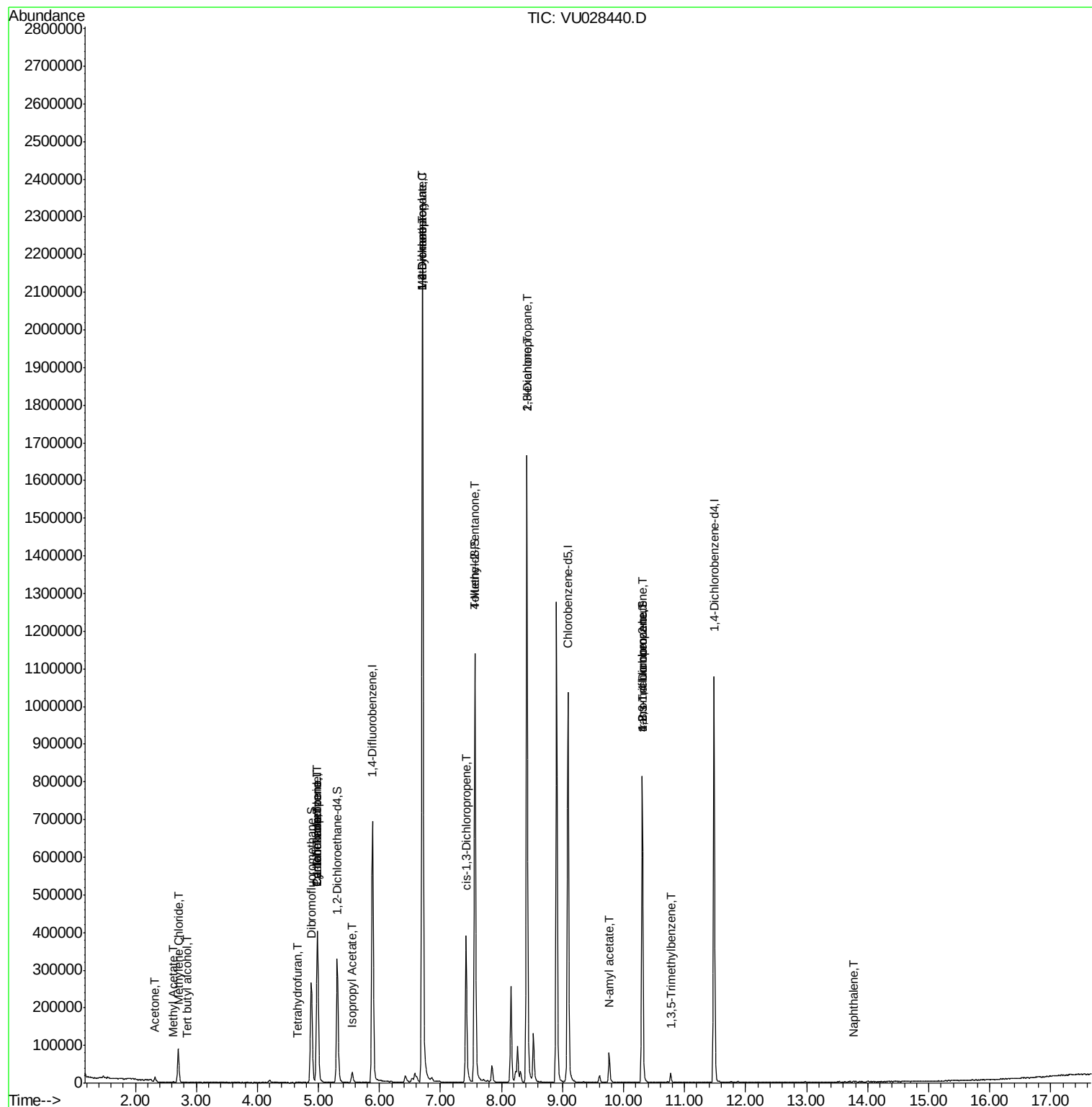
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	652	0.577	ug/l #	72
16) Acetone	2.32	43	14103	4.638	ug/l	98
18) Methyl Acetate	2.62	43	2996	0.354	ug/l #	83
20) Methylene Chloride	2.70	84	36686	8.492	ug/l	95
29) Tetrahydrofuran	4.66	42	1034	0.365	ug/l #	82
31) Cyclohexane	4.98	56	7794	0.561	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	26404	4.304	ug/l #	51
38) Carbon Tetrachloride	4.98	117	29790	5.914	ug/l #	16
43) Isopropyl Acetate	5.55	43	34156	2.578	ug/l	99
45) 1,2-Dichloropropane	6.70	63	2333	0.438	ug/l #	43
48) Methyl methacrylate	6.70	41	202253	29.309	ug/l #	47
49) 1,4-Dioxane	6.70	88	326	2.957	ug/l #	1
51) 4-Methyl-2-Pentanone	7.56	43	18905	2.234	ug/l	100
54) cis-1,3-Dichloropropene	7.42	75	67190	8.628	ug/l #	56
57) 1,3-Dichloropropane	8.41	76	16316	2.043	ug/l #	43
59) 2-Hexanone	8.41	43	250851	38.275	ug/l #	53
74) N-amyl acetate	9.76	43	26955	2.134	ug/l #	55
76) 1,2,3-Trichloropropane	10.30	75	144126	20.052	ug/l #	33
80) 1,3,5-Trimethylbenzene	10.77	105	12640	0.744	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.30	75	144126	53.228	ug/l #	100
95) Naphthalene	13.76	128	813	2.870	ug/l #	69

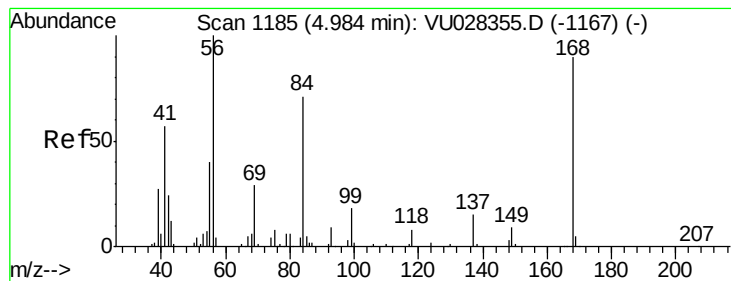
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028440.D

Acq: 03 Dec 2018 14:46

Instrument :

MSVOA_U

ClientSampleId :

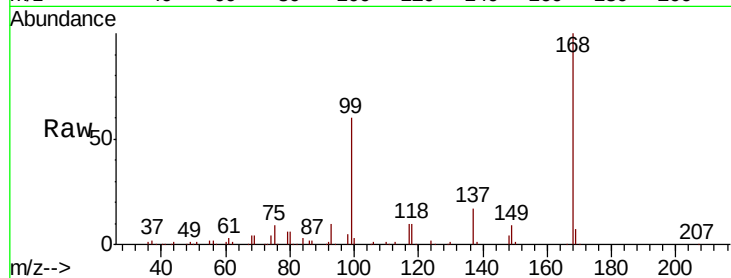
PB115231ZHE#17

Tot Ion:168 Resp: 297445

Ion Ratio Lower Upper

168 100

99 59.8 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028440.D (-1092) (-)

Ion 98.90 (98.60 to 99.60): VU028440.D (-1092) (-)

4.98

150000

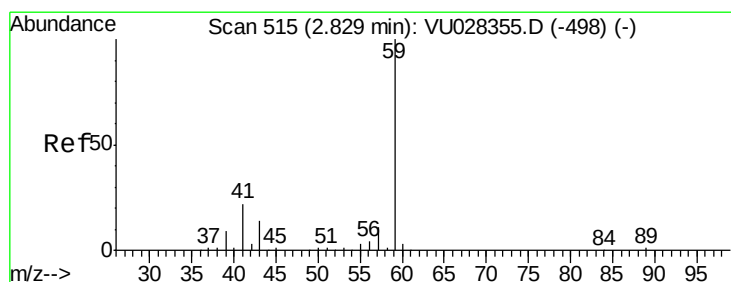
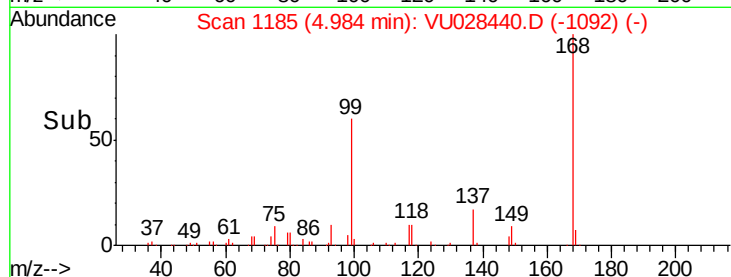
100000

50000

0

4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 0.577 ug/l

RT: 2.84 min Scan# 519

Delta R.T. 0.01 min

Lab File: VU028440.D

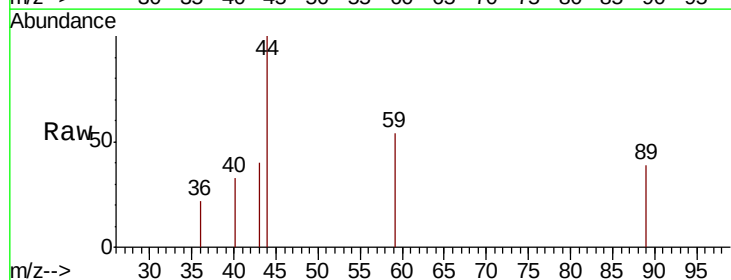
Acq: 03 Dec 2018 14:46

Tgt Ion: 59 Resp: 652

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU028440.D (-422) (-)

Ion 57.00 (56.70 to 57.70): VU028440.D (-422) (-)

2.84

400

300

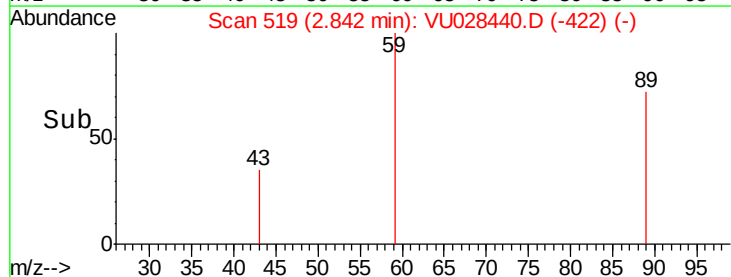
200

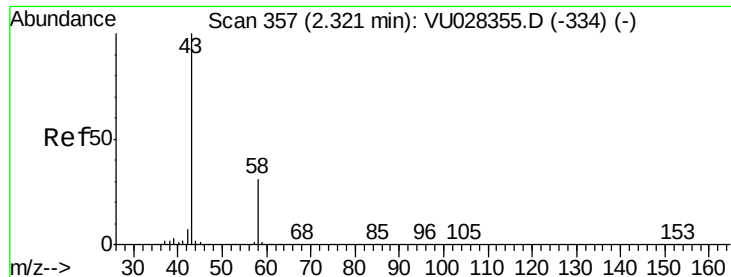
100

0

2.80 2.85

Time-->





#16

Acetone

Concen: 4.638 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028440.D

Acq: 03 Dec 2018 14:46

Instrument :

MSVOA_U

ClientSampleId :

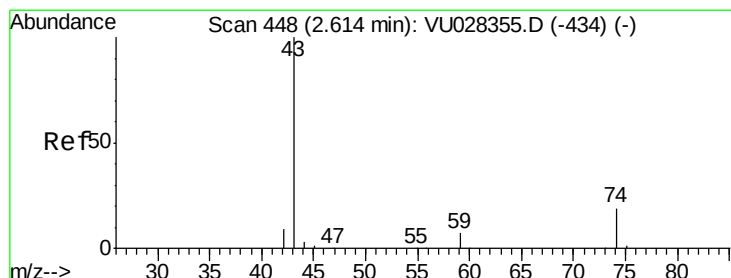
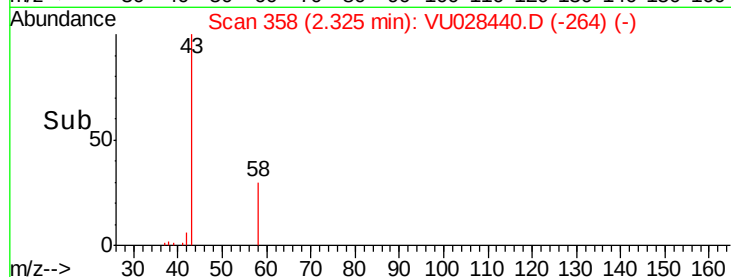
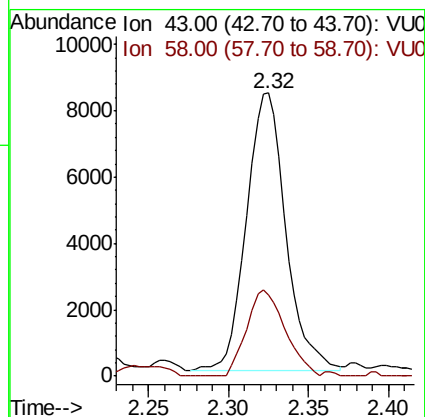
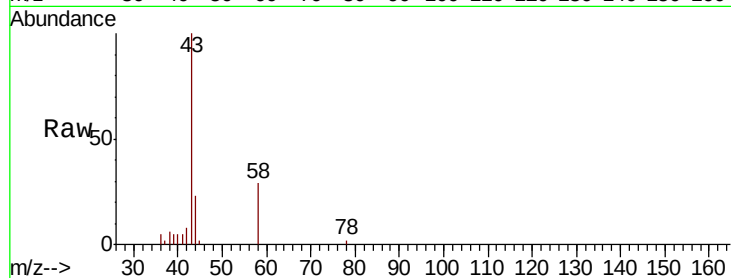
PB115231ZHE#17

Tot Ion: 43 Resp: 14103

Ion Ratio Lower Upper

43 100

58 29.2 24.4 36.6



#18

Methyl Acetate

Concen: 0.354 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028440.D

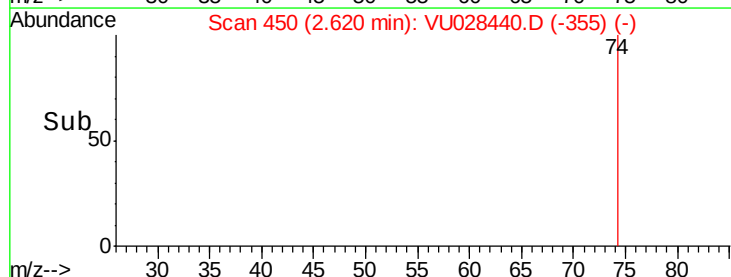
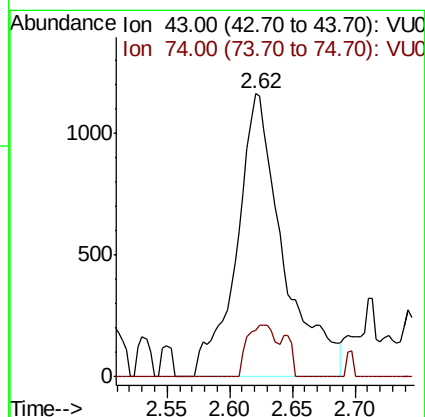
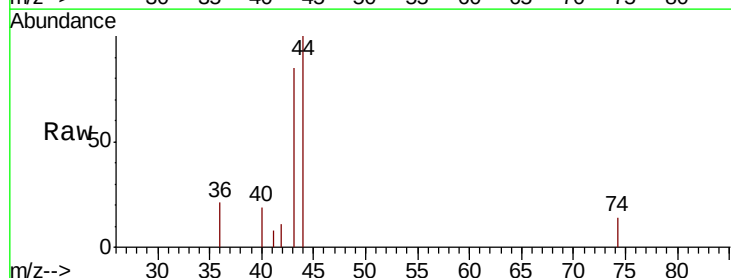
Acq: 03 Dec 2018 14:46

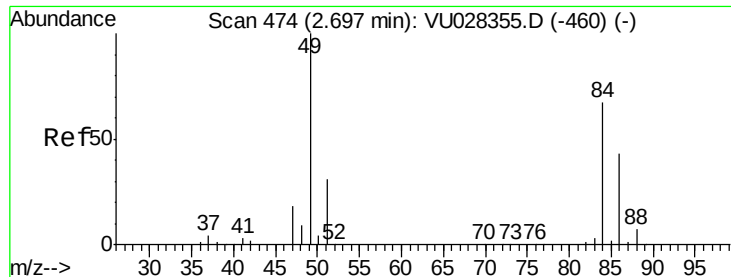
Tgt Ion: 43 Resp: 2996

Ion Ratio Lower Upper

43 100

74 11.3 15.3 22.9#



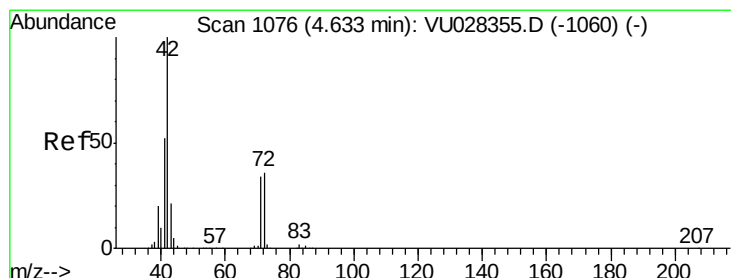
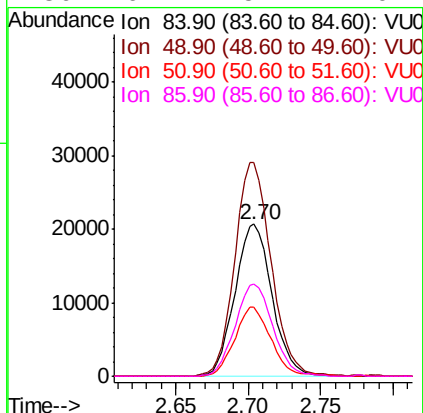
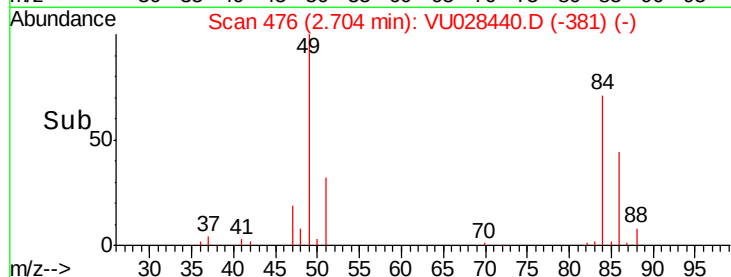
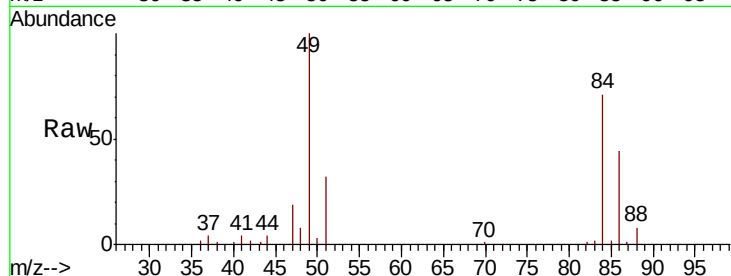


#20
Methylene Chloride
Concen: 8.492 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028440.D
Acq: 03 Dec 2018 14:46

Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#17

Tot Ion: 84 Resp: 36686

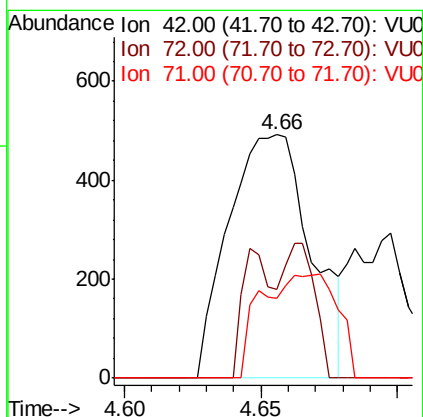
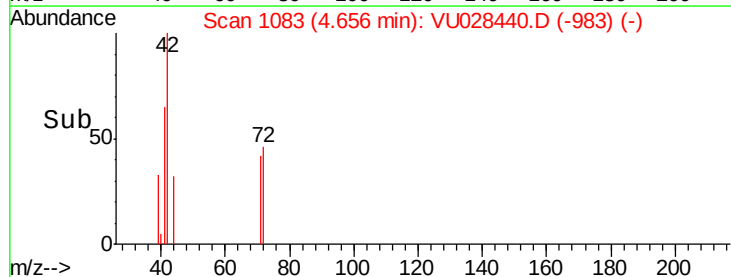
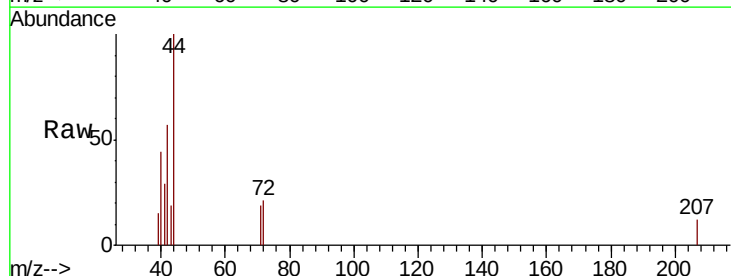
Ion	Ratio	Lower	Upper
84	100		
49	140.4	120.0	180.0
51	45.3	36.9	55.3
86	61.1	51.1	76.7

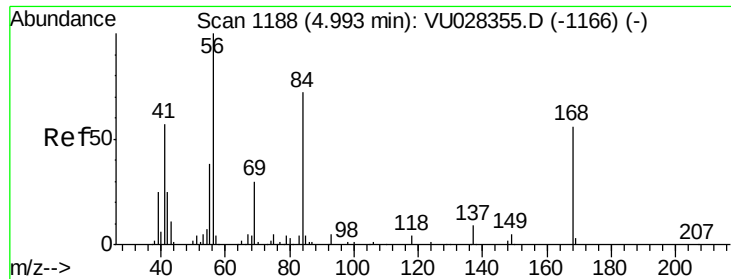


#29
Tetrahydrofuran
Concen: 0.365 ug/l
RT: 4.66 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VU028440.D
Acq: 03 Dec 2018 14:46

Tgt Ion: 42 Resp: 1034

Ion	Ratio	Lower	Upper
42	100		
72	20.6	29.5	44.3#
71	39.2	27.7	41.5

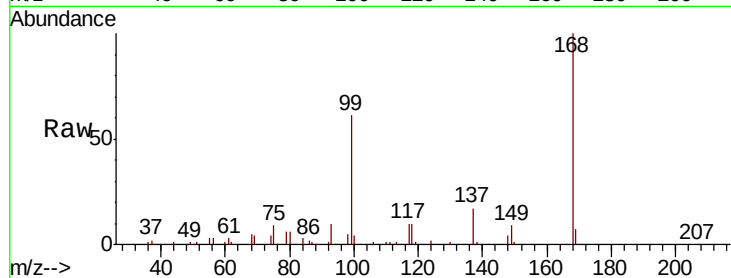




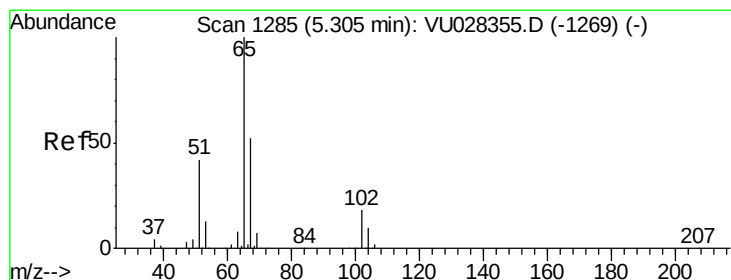
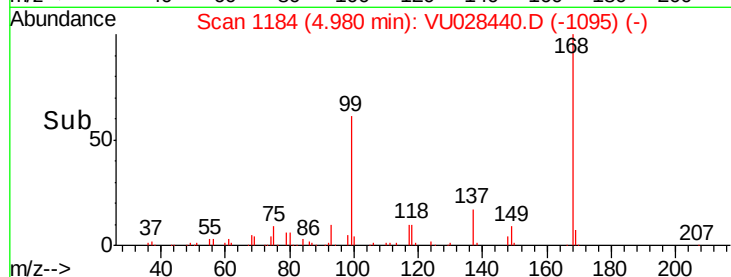
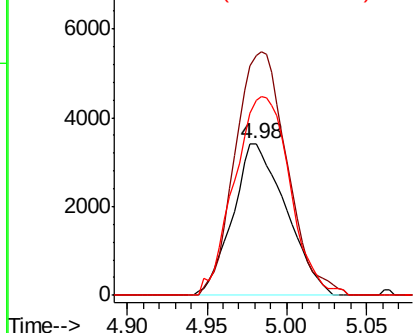
#31
Cyclohexane
Concen: 0.561 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VU028440.D
Acq: 03 Dec 2018 14:46

Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#17

Tot Ion: 56 Resp: 7794
Ion Ratio Lower Upper
56 100
69 158.2 23.7 35.5#
84 128.5 57.3 85.9#

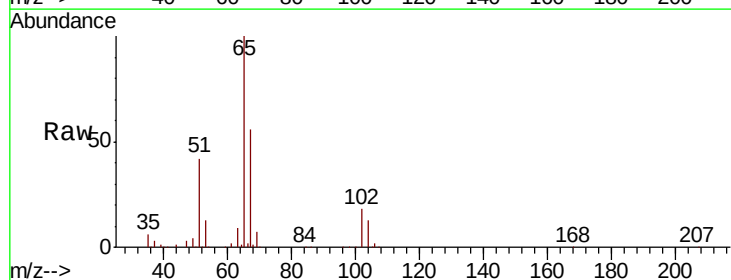


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

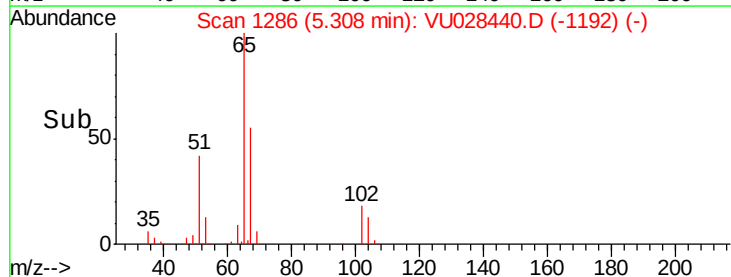
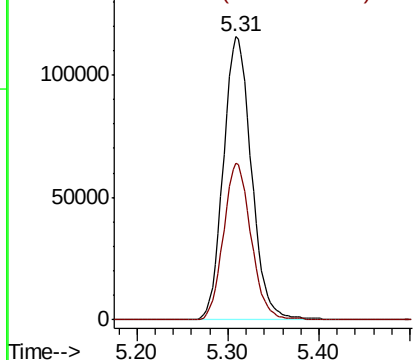


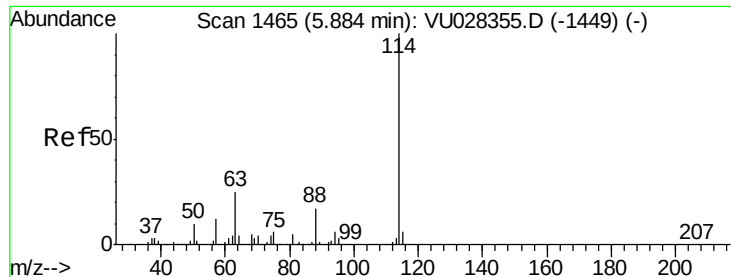
#33
1,2-Dichloroethane-d4
Concen: 49.931 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028440.D
Acq: 03 Dec 2018 14:46

Tgt Ion: 65 Resp: 248209
Ion Ratio Lower Upper
65 100
67 54.3 0.0 106.8



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

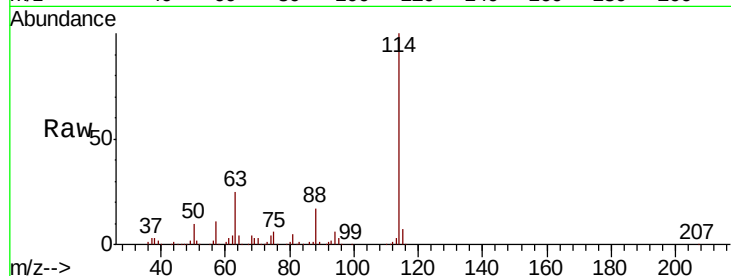




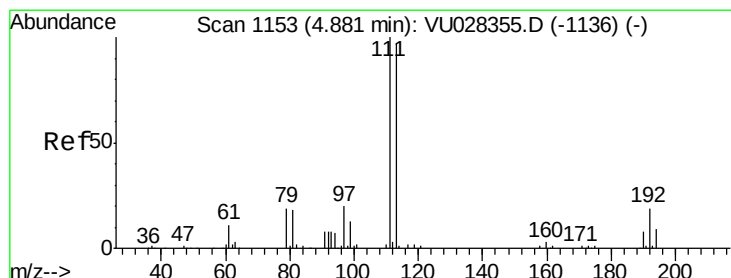
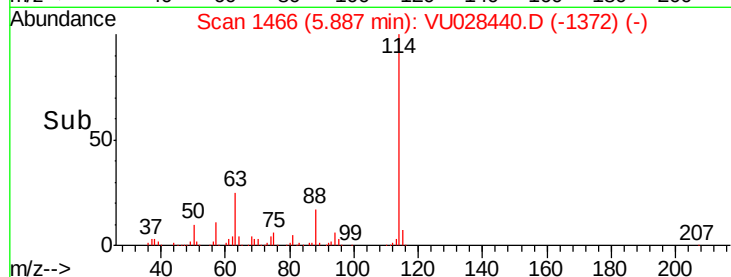
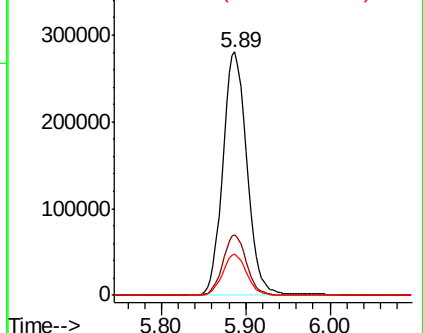
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028440.D
 Acq: 03 Dec 2018 14:46

Instrument :
 MSVOA_U
 ClientSampleId :
 PB115231ZHE#17

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	50.0
88	16.9	0.0	34.4

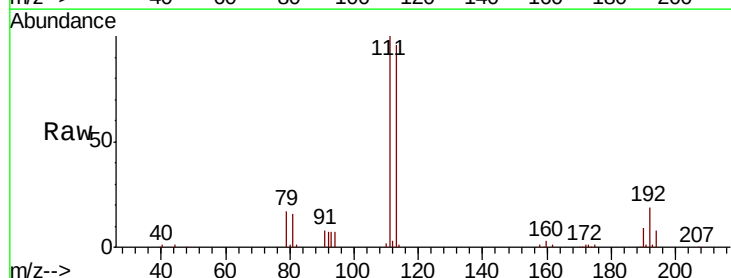


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

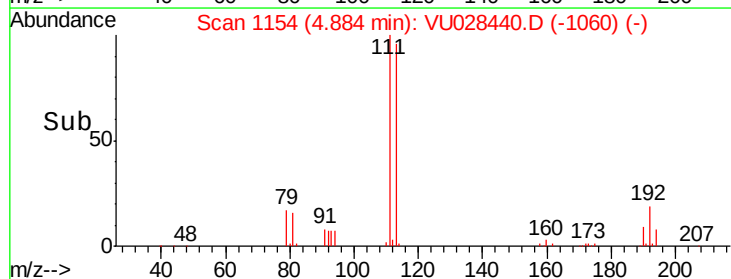
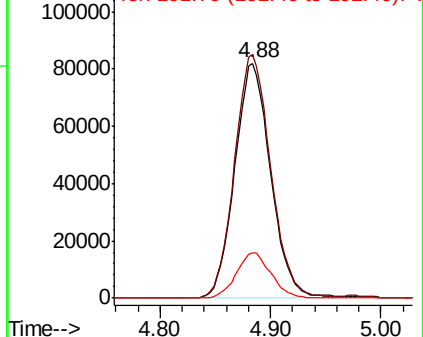


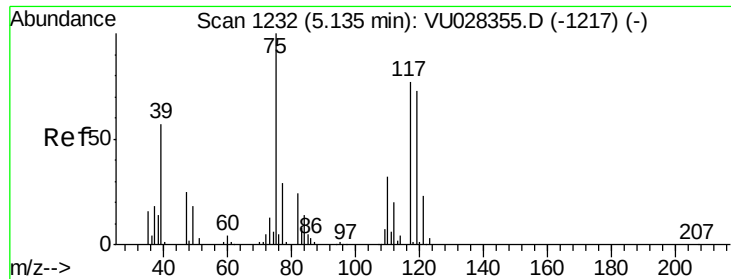
#35
 Dibromofluoromethane
 Concen: 49.571 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028440.D
 Acq: 03 Dec 2018 14:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.9	124.3
192	18.7	15.4	23.0



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

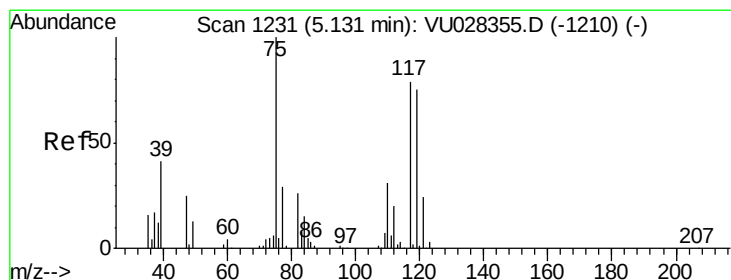
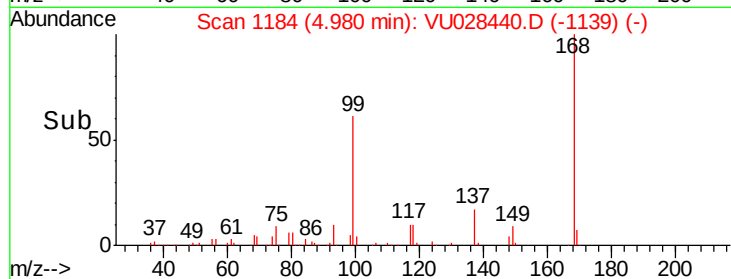
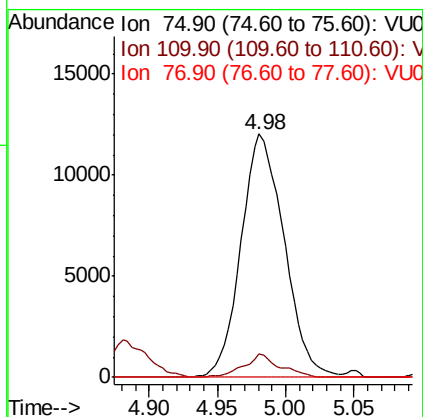
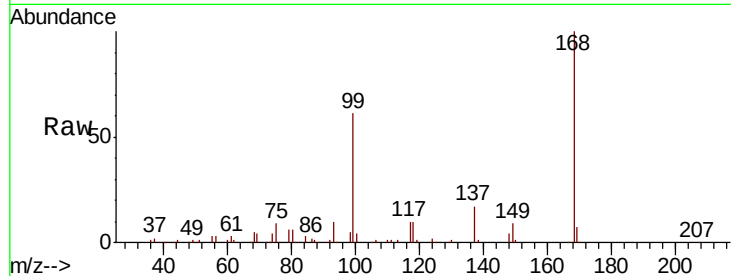




#36
 1,1-Dichloropropene
 Concen: 4.304 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU028440.D
 Acq: 03 Dec 2018 14:46

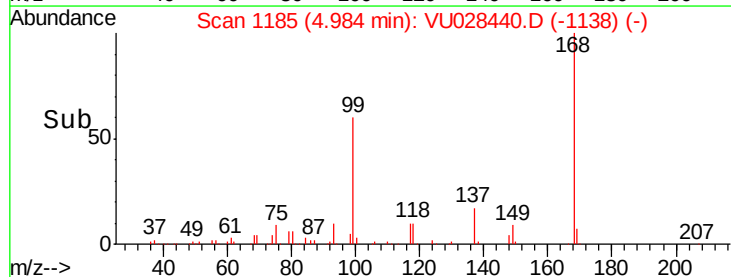
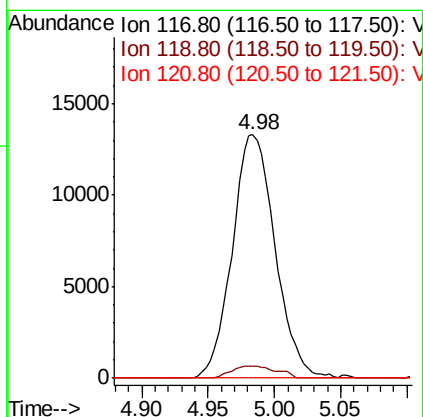
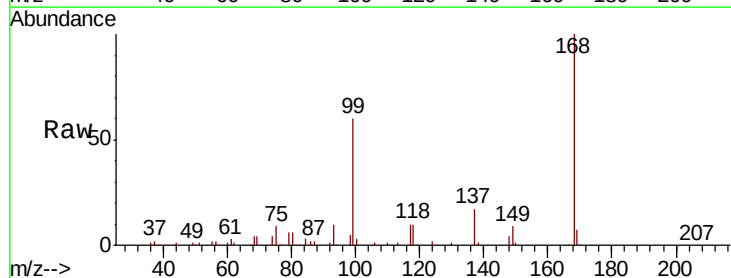
Instrument :
 MSVOA_U
 ClientSampleId :
 PB115231ZHE#17

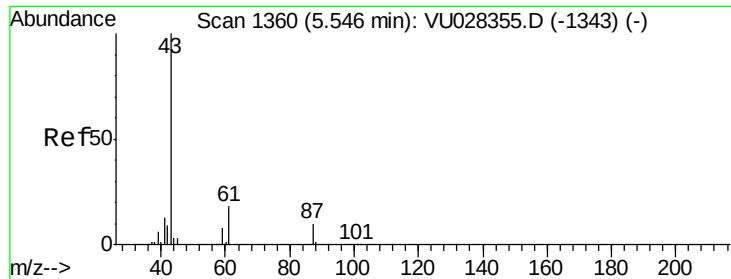
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.8	47.4#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.914 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028440.D
 Acq: 03 Dec 2018 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.3	114.5#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 2.578 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU028440.D

Acq: 03 Dec 2018 14:46

Instrument :

MSVOA_U

ClientSampleId :

PB115231ZHE#17

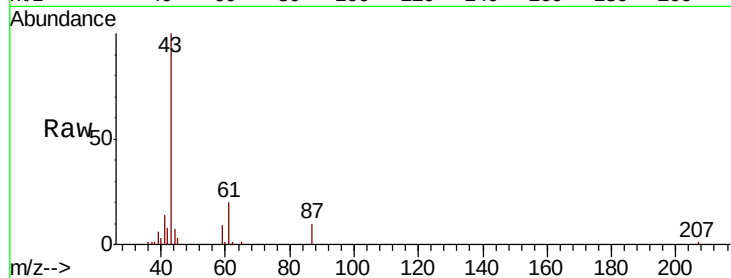
Tot Ion: 43 Resp: 34156

Ion Ratio Lower Upper

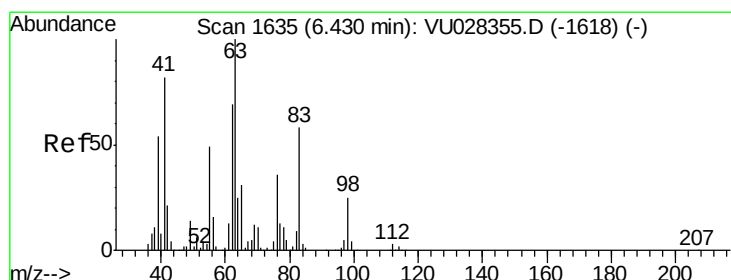
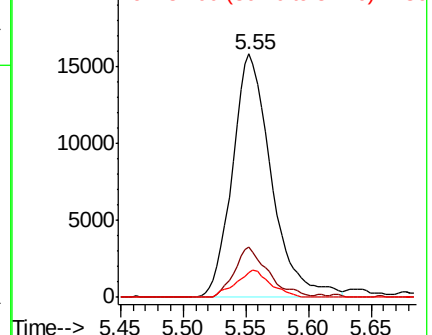
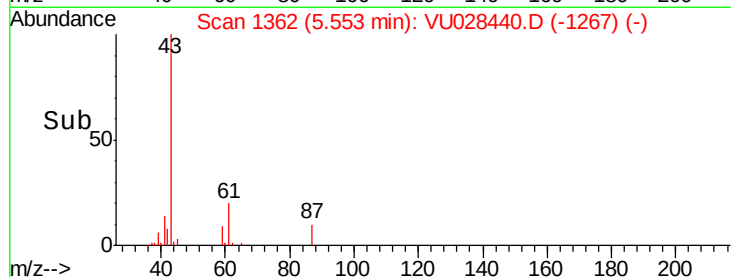
43 100

61 17.8 14.5 21.7

87 9.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VU028440.D (-1362) (-)



#45

1,2-Dichloropropane

Concen: 0.438 ug/l

RT: 6.70 min Scan# 1719

Delta R.T. 0.27 min

Lab File: VU028440.D

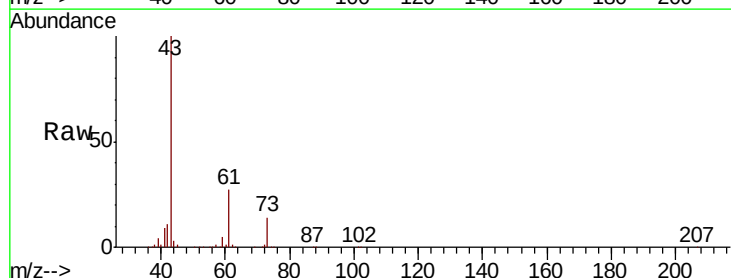
Acq: 03 Dec 2018 14:46

Tgt Ion: 63 Resp: 2333

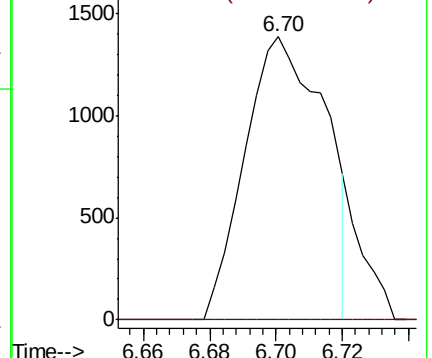
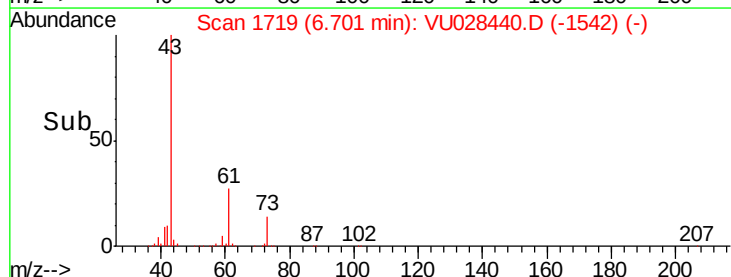
Ion Ratio Lower Upper

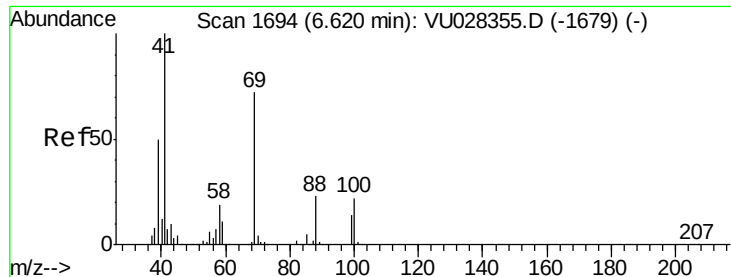
63 100

65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VU028440.D (-1719) (-)

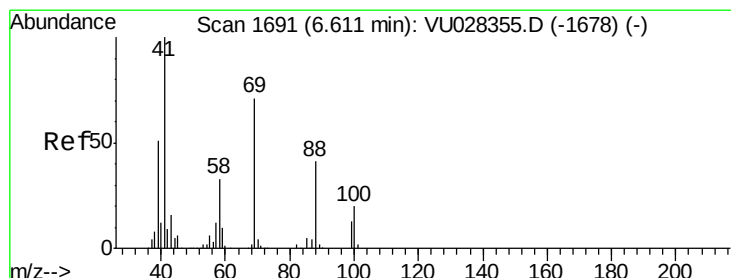
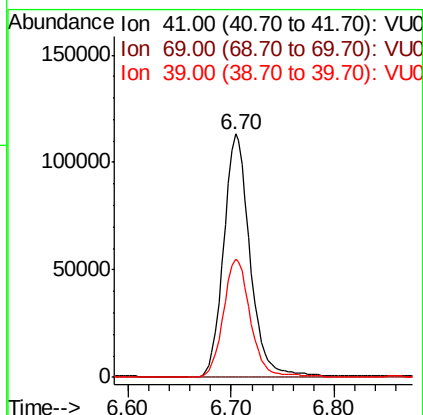
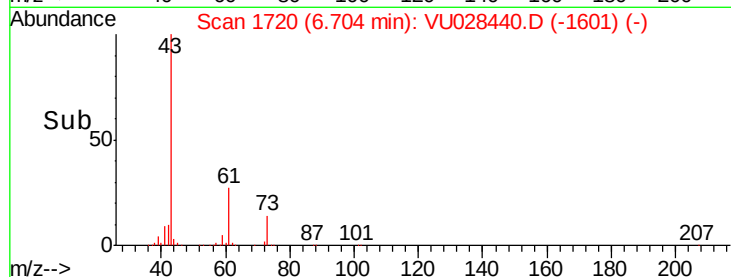
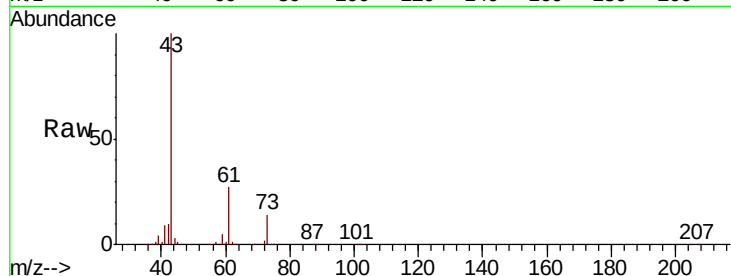




#48
Methvl methacrylate
Concen: 29.309 ug/l
RT: 6.70 min Scan# 1720
Delta R.T. 0.08 min
Lab File: VU028440.D
Acq: 03 Dec 2018 14:46

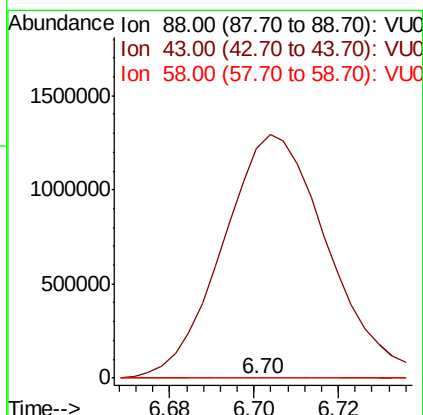
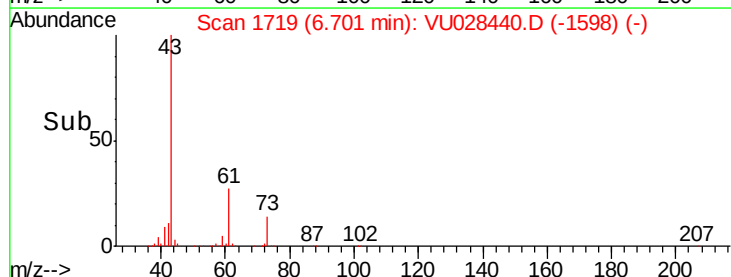
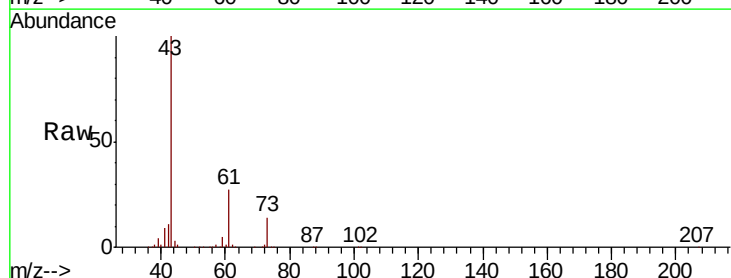
Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#17

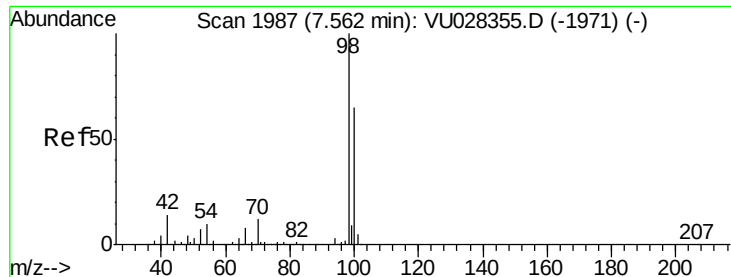
Tot Ion: 41 Resp: 202253
Ion Ratio Lower Upper
41 100
69 0.2 59.0 88.4#
39 48.9 40.5 60.7



#49
1,4-Dioxane
Concen: 2.957 ug/l
RT: 6.70 min Scan# 1719
Delta R.T. 0.09 min
Lab File: VU028440.D
Acq: 03 Dec 2018 14:46

Tgt Ion: 88 Resp: 326
Ion Ratio Lower Upper
88 100
43 708865.3 32.6 48.8#
58 2668.7 68.7 103.1#





#50

Toluene-d8

Concen: 49.275 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028440.D

Acq: 03 Dec 2018 14:46

Instrument :

MSVOA_U

ClientSampleId :

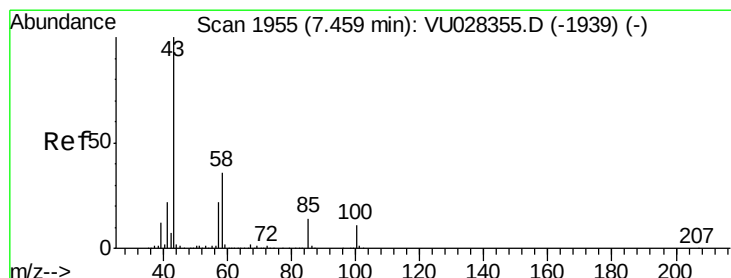
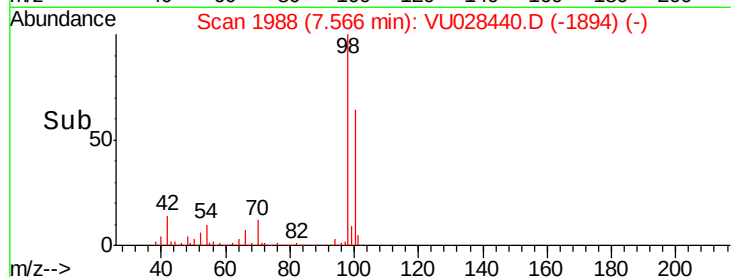
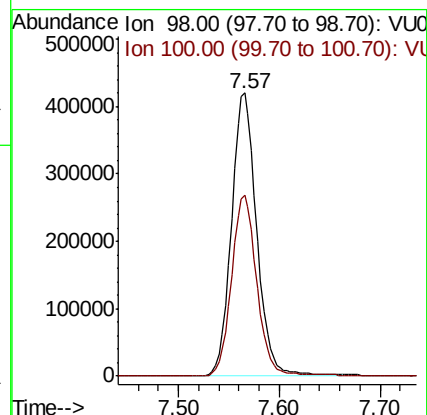
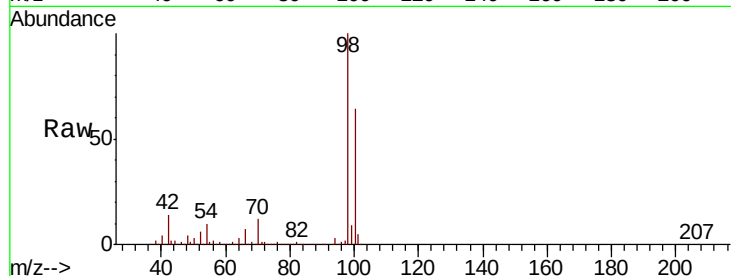
PB115231ZHE#17

Tot Ion: 98 Resp: 734615

Ion Ratio Lower Upper

98 100

100 64.2 50.8 76.2



#51

4-Methyl-2-Pentanone

Concen: 2.234 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.10 min

Lab File: VU028440.D

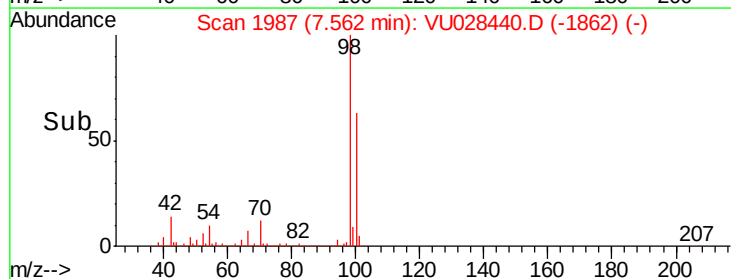
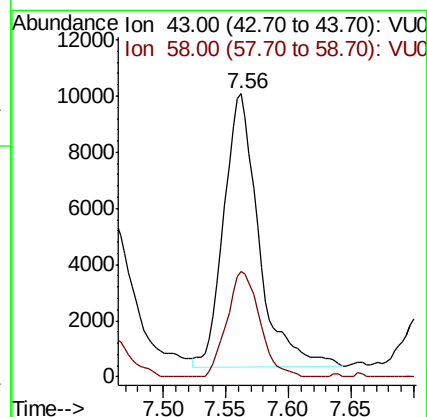
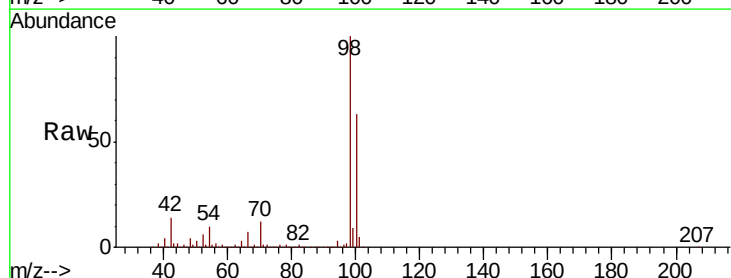
Acq: 03 Dec 2018 14:46

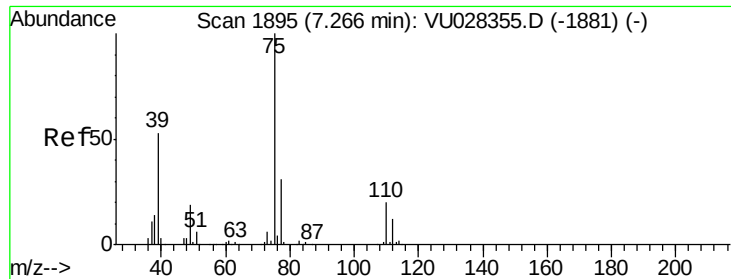
Tgt Ion: 43 Resp: 18905

Ion Ratio Lower Upper

43 100

58 36.2 28.8 43.2





#54

cis-1,3-Dichloropropene

Concen: 8.628 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. 0.15 min

Lab File: VU028440.D

Acq: 03 Dec 2018 14:46

Instrument :

MSVOA_U

ClientSampleId :

PB115231ZHE#17

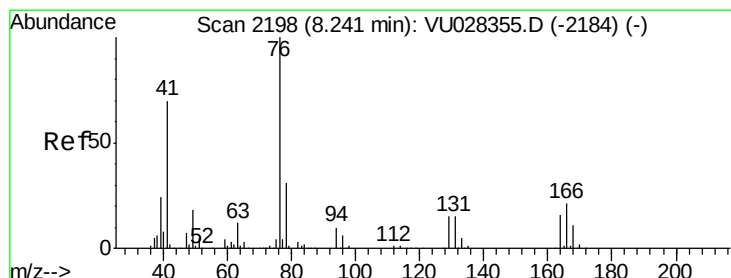
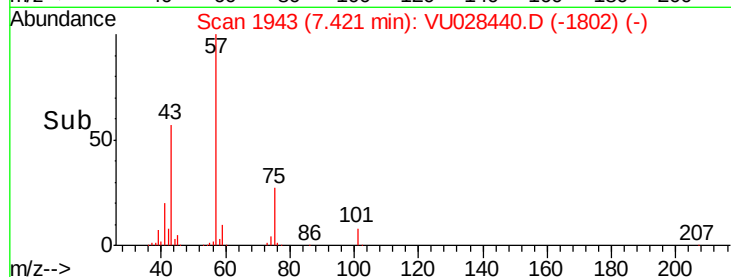
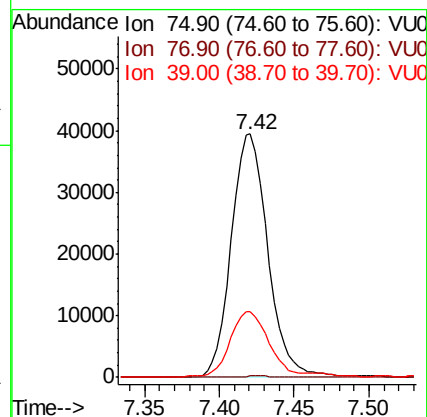
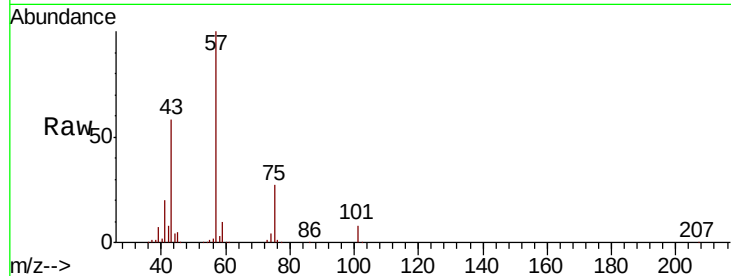
Tot Ion: 75 Resp: 67190

Ion Ratio Lower Upper

75 100

77 0.5 24.9 37.3#

39 26.3 42.6 64.0#



#57

1,3-Dichloropropane

Concen: 2.043 ug/l

RT: 8.41 min Scan# 2252

Delta R.T. 0.17 min

Lab File: VU028440.D

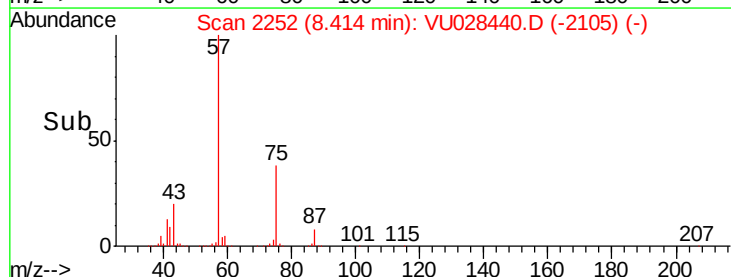
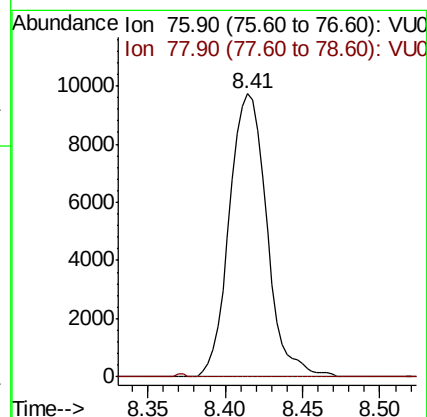
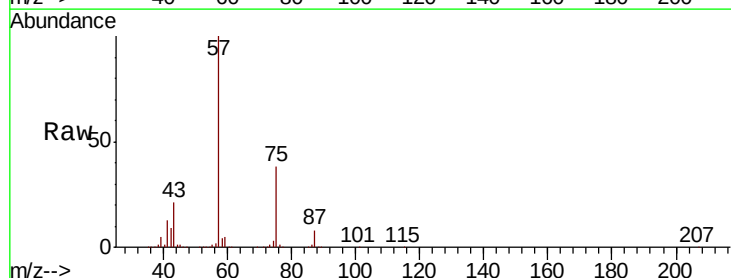
Acq: 03 Dec 2018 14:46

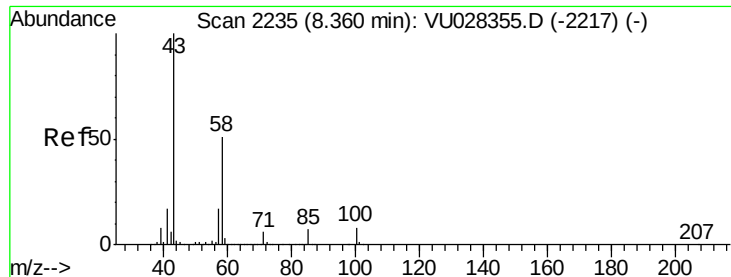
Tgt Ion: 76 Resp: 16316

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#

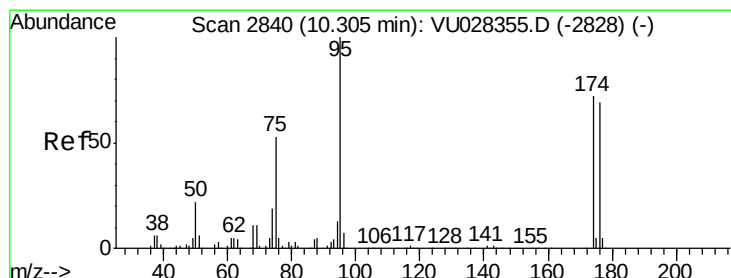
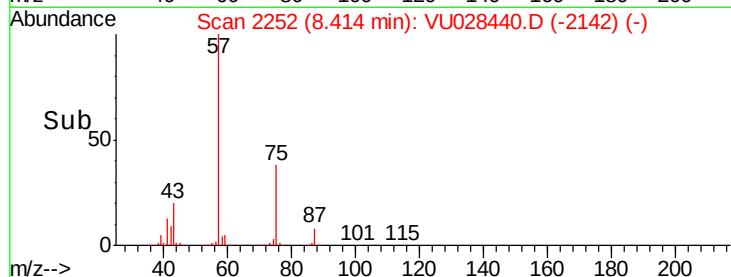
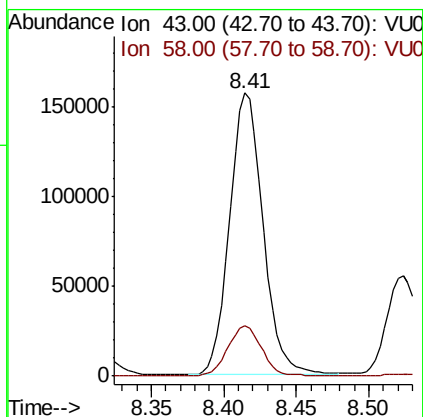
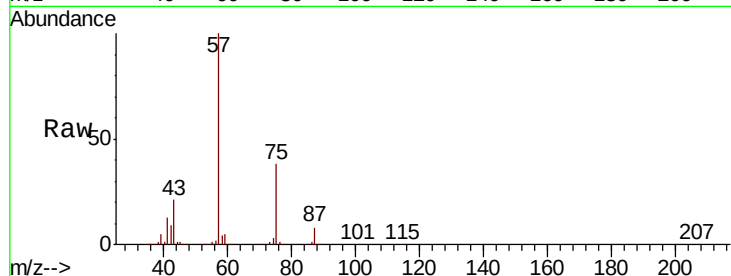




#59
2-Hexanone
Concen: 38.275 ug/l
RT: 8.41 min Scan# 2252
Delta R.T. 0.05 min
Lab File: VU028440.D
Acq: 03 Dec 2018 14:46

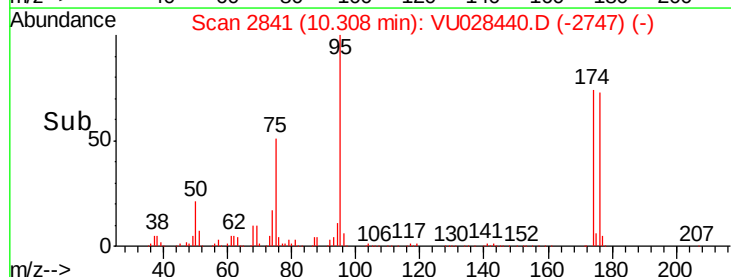
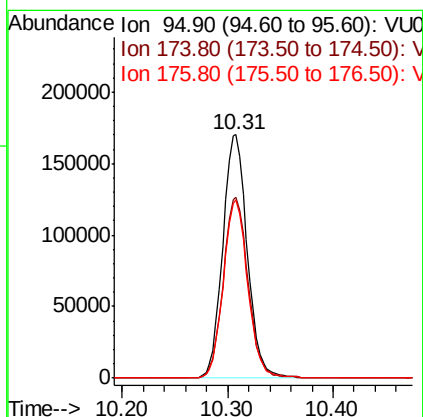
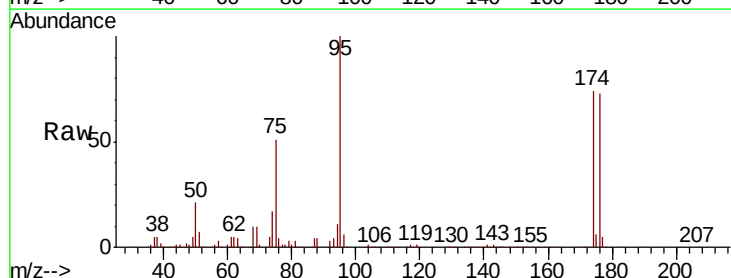
Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#17

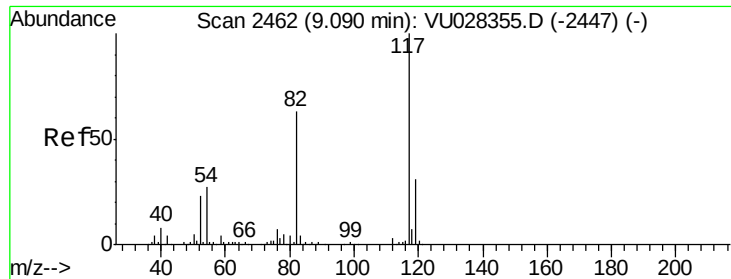
Tot Ion: 43 Resp: 250851
Ion Ratio Lower Upper
43 100
58 18.4 25.5 76.5#



#62
4-Bromofluorobenzene
Concen: 51.034 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028440.D
Acq: 03 Dec 2018 14:46

Tgt Ion: 95 Resp: 274224
Ion Ratio Lower Upper
95 100
174 75.1 0.0 145.4
176 73.0 0.0 140.8

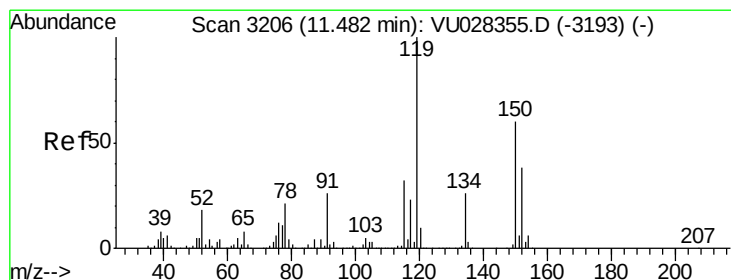
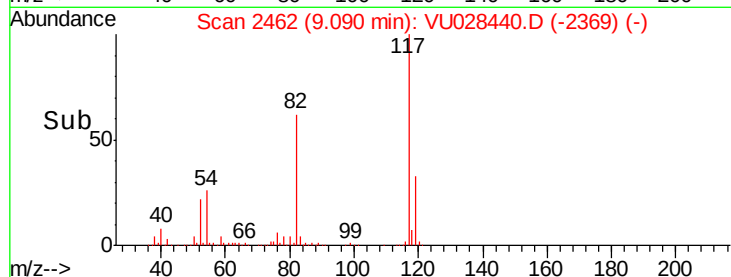
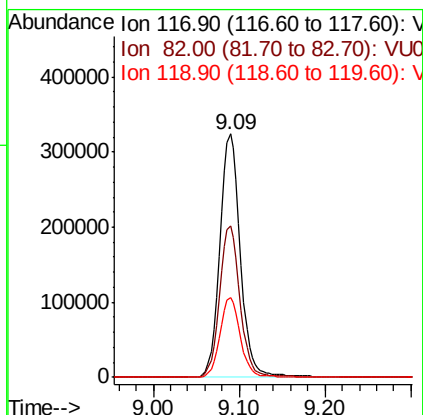
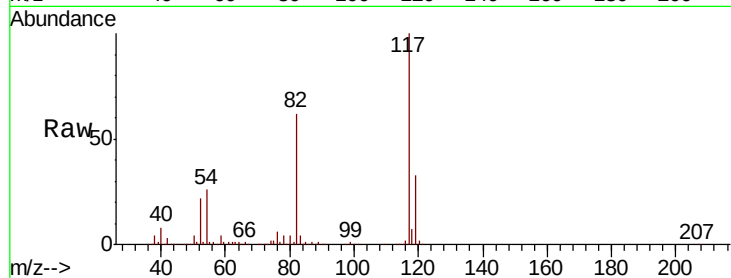




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028440.D
Acq: 03 Dec 2018 14:46

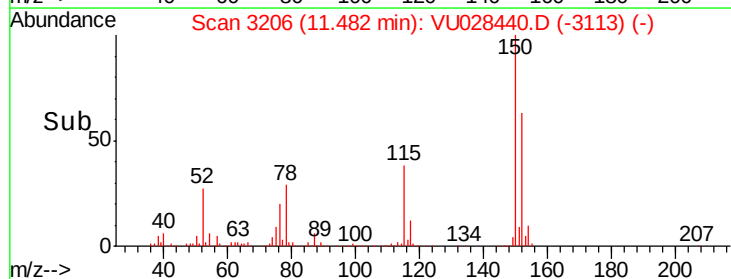
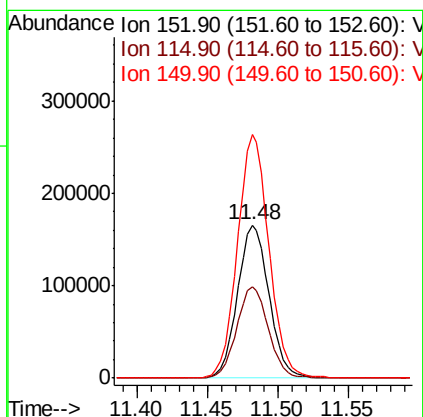
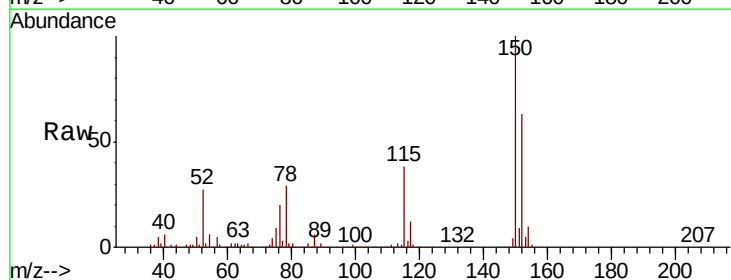
Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#17

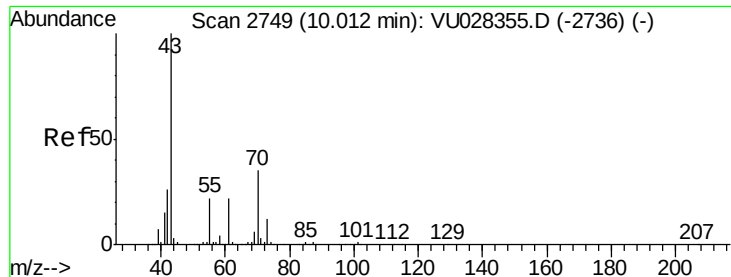
Tot Ion:117 Resp: 536589
Ion Ratio Lower Upper
117 100
82 62.0 50.3 75.5
119 32.7 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028440.D
Acq: 03 Dec 2018 14:46

Tgt Ion:152 Resp: 259190
Ion Ratio Lower Upper
152 100
115 60.1 45.0 134.8
150 159.1 0.0 349.2





#74

N-amvl acetate

Concen: 2.134 ug/l

RT: 9.76 min Scan# 2672

Delta R.T. -0.25 min

Lab File: VU028440.D

Acq: 03 Dec 2018 14:46

Instrument :

MSVOA_U

ClientSampleId :

PB115231ZHE#17

Tot Ion: 43 Resp: 26955

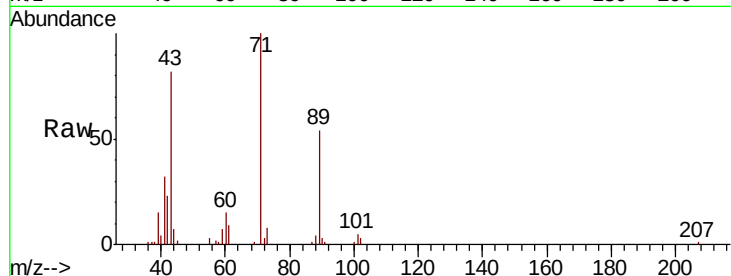
Ion Ratio Lower Upper

43 100

70 0.2 28.4 42.6#

55 3.2 18.0 27.0#

61 10.1 17.6 26.4#

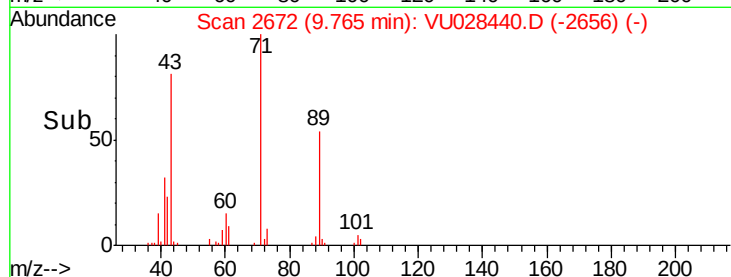


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



Abundance

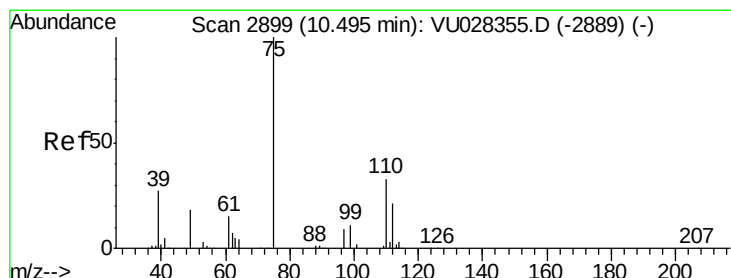
Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.052 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028440.D

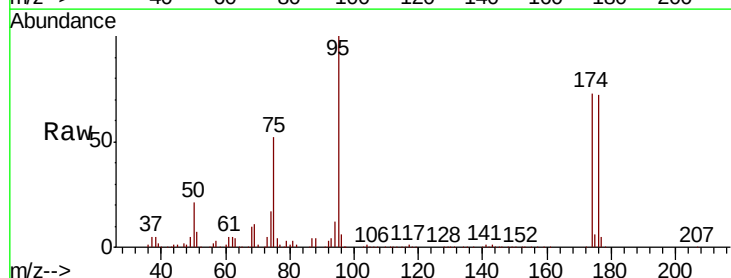
Acq: 03 Dec 2018 14:46

Tgt Ion: 75 Resp: 144126

Ion Ratio Lower Upper

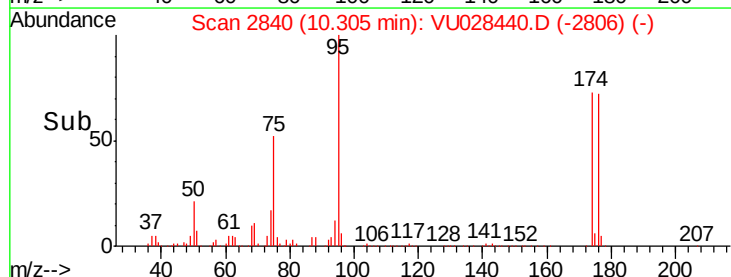
75 100

77 1.0 22.4 67.0#

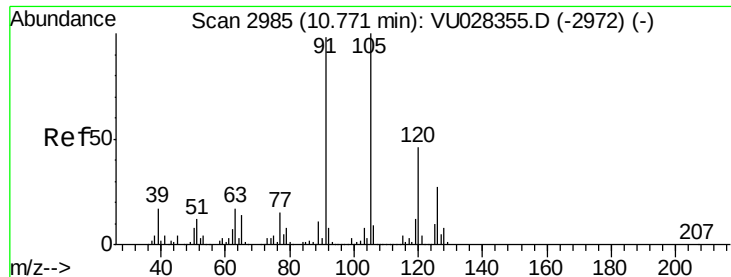


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.744 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028440.D

Acq: 03 Dec 2018 14:46

Instrument :

MSVOA_U

ClientSampleId :

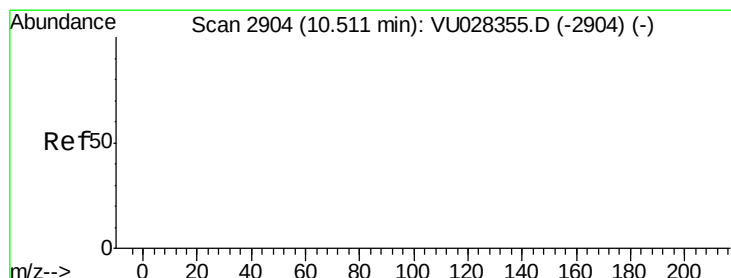
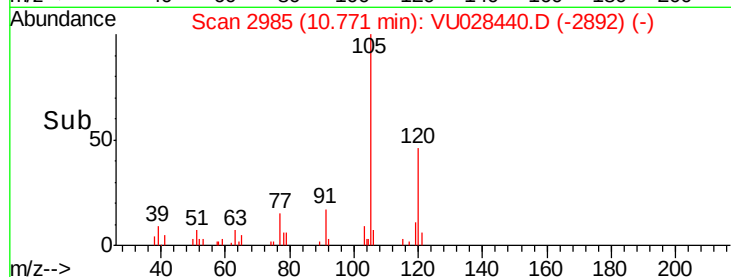
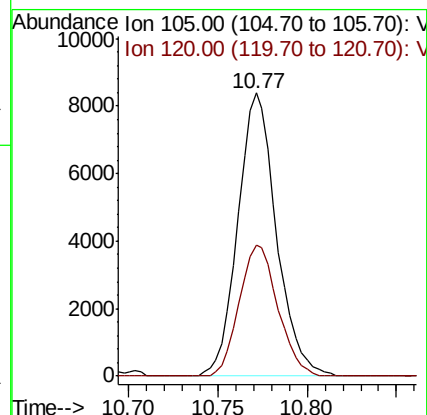
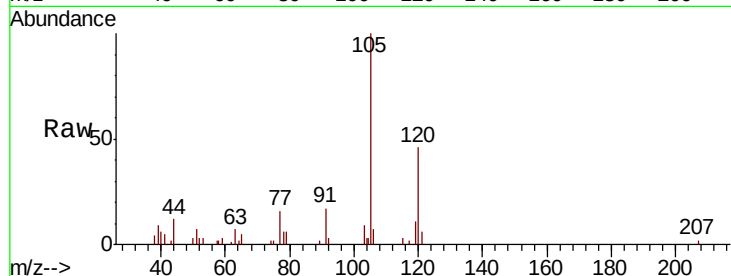
PB115231ZHE#17

Tot Ion:105 Resp: 12640

Ion Ratio Lower Upper

105 100

120 46.2 23.4 70.0



#81

trans-1,4-Dichloro-2-butene

Concen: 53.228 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028440.D

Acq: 03 Dec 2018 14:46

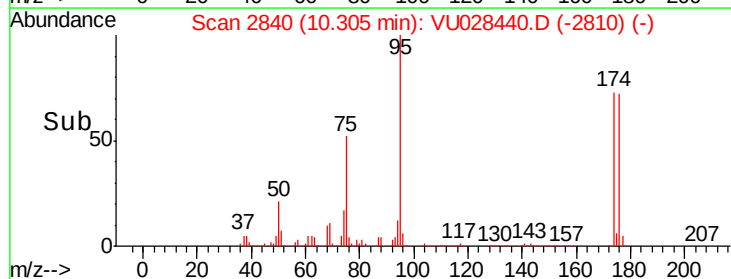
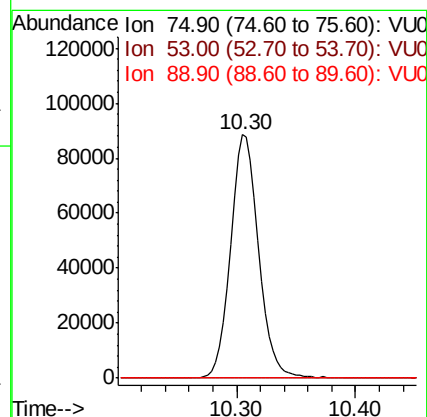
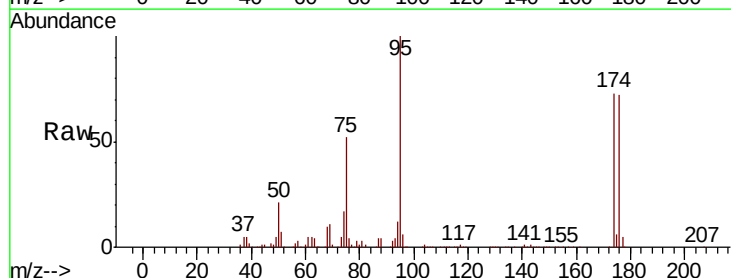
Tgt Ion: 75 Resp: 144126

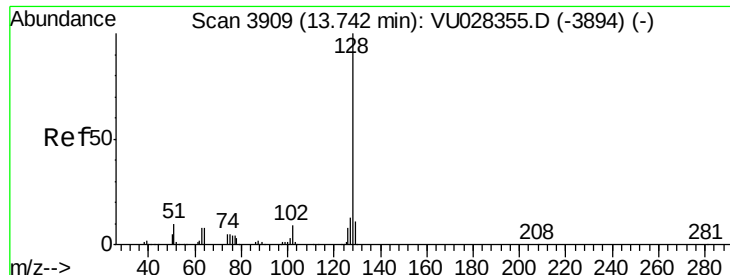
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0#

89 0.0 0.0 0.0

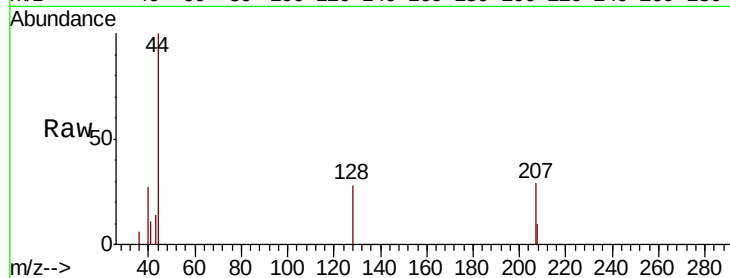




#95
Naphthalene
Concen: 2.870 ug/l
RT: 13.76 min Scan# 3914
Delta R.T. 0.02 min
Lab File: VU028440.D
Acq: 03 Dec 2018 14:46

Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#17

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#



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

