

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112918\
 Data File : VU028391.D
 Acq On : 29 Nov 2018 14:14
 Operator : MD/SY
 Sample : J6081-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0640

Quant Time: Nov 30 07:02:44 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	249134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	466968	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	436039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	202264	50.00	ug/l	0.00

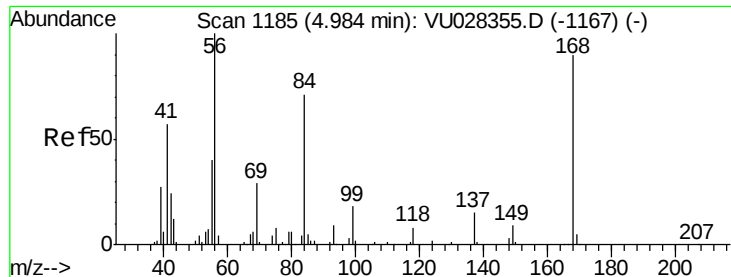
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	214936	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
35) Dibromofluoromethane	4.88	113	157396	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	7.57	98	615691	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	10.31	95	221264	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	

Target Compounds

						Qvalue
4) Vinyl Chloride	1.40	62	249429	55.032	ug/l	99
6) Chloroethane	1.40	64	73450	28.163	ug/l #	45
11) Tert butyl alcohol	2.83	59	5601	5.921	ug/l #	88
13) Acrolein	2.20	56	367	0.436	ug/l #	20
14) Allyl chloride	2.44	41	28448	4.091	ug/l #	69
16) Acetone	2.32	43	18997	7.459	ug/l	94
17) Carbon Disulfide	2.48	76	3028	0.296	ug/l	95
18) Methyl Acetate	2.44	43	67306	9.491	ug/l #	58
21) trans-1,2-Dichloroethene	2.98	96	5969	1.934	ug/l	96
26) 2,2-Dichloropropane	4.19	77	1816	0.339	ug/l #	55
27) cis-1,2-Dichloroethene	4.23	96	92678	25.388	ug/l	87
31) Cyclohexane	4.98	56	7032	0.634	ug/l #	1
38) Carbon Tetrachloride	4.98	117	24847	5.921	ug/l #	16
44) Trichloroethene	6.19	130	777	0.240	ug/l	89
49) 1,4-Dioxane	6.62	88	64	0.697	ug/l #	1
51) 4-Methyl-2-Pentanone	7.47	43	1426	0.202	ug/l	94
59) 2-Hexanone	8.38	43	2743	0.502	ug/l	78
64) Tetrachloroethene	8.24	164	664	0.232	ug/l #	76
74) N-amyl acetate	10.02	43	2193	0.223	ug/l #	87
76) 1,2,3-Trichloropropane	10.31	75	120068	21.407	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.31	75	120068	56.823	ug/l #	100
87) 1,3-Dichlorobenzene	11.42	146	1706	0.252	ug/l	96
88) 1,4-Dichlorobenzene	11.42	146	1706	0.251	ug/l	97
89) n-Butylbenzene	11.89	91	3180	0.244	ug/l	90
93) 1,2,4-Trichlorobenzene	13.51	180	1888	0.428	ug/l	87
94) Hexachlorobutadiene	13.69	225	730	0.350	ug/l #	69
95) Naphthalene	13.75	128	8220	3.291	ug/l #	85
96) 1,2,3-Trichlorobenzene	13.99	180	2155	0.483	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

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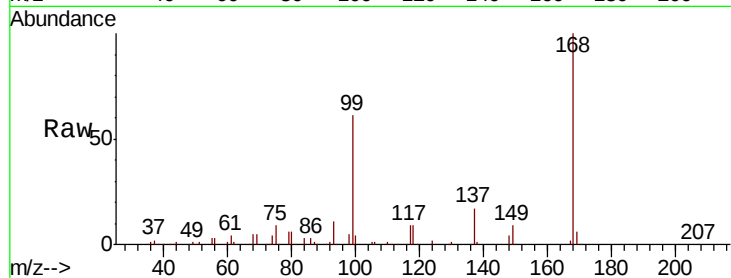
S32-0640

Tot Ion:168 Resp: 249134

Ion Ratio Lower Upper

168 100

99 61.2 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028391.D (-1092) (-)

4.98

120000

100000

80000

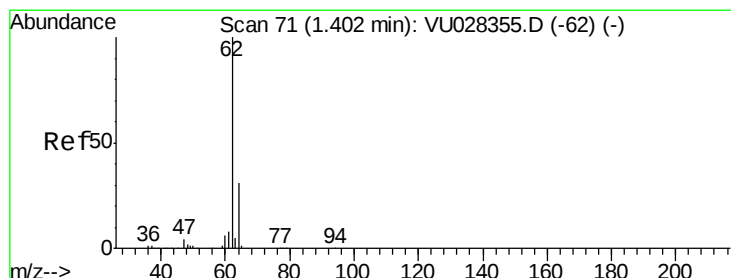
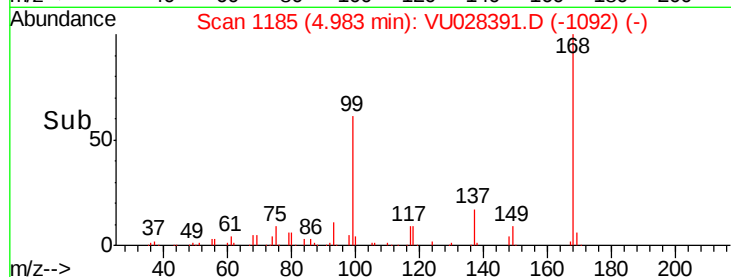
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 55.032 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028391.D

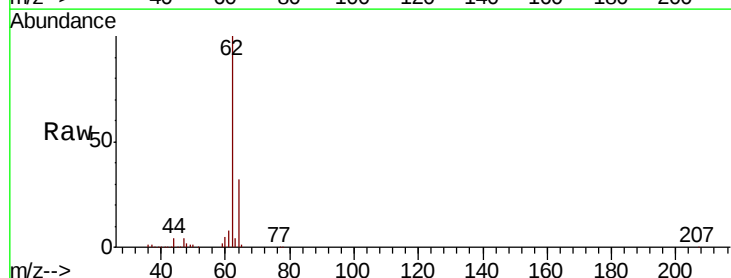
Acq: 29 Nov 2018 14:14

Tgt Ion: 62 Resp: 249429

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU028355.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU028391.D (-1) (-)

1.40

250000

200000

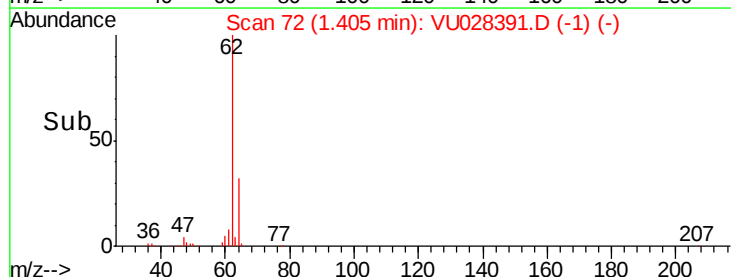
150000

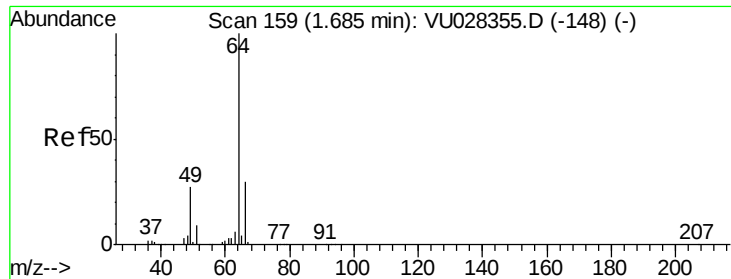
100000

50000

0

Time-->





#6

Chloroethane

Concen: 28.163 ug/l

RT: 1.40 min Scan# 72

Delta R.T. -0.28 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

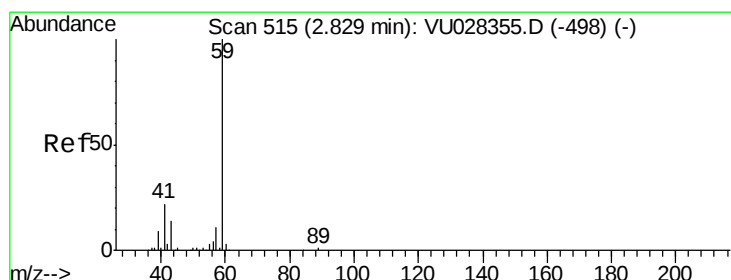
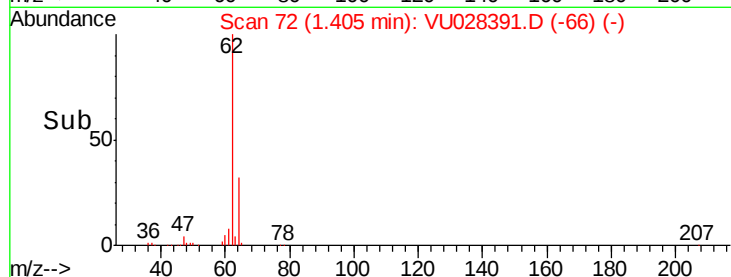
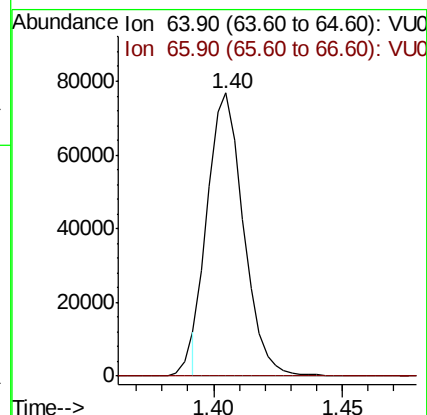
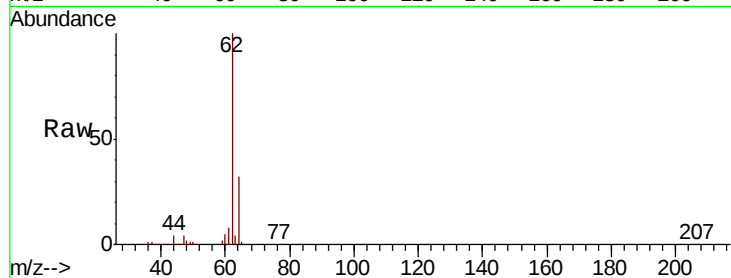
S32-0640

Tot Ion: 64 Resp: 73450

Ion Ratio Lower Upper

64 100

66 0.0 23.6 35.4#



#11

Tert butyl alcohol

Concen: 5.921 ug/l

RT: 2.83 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU028391.D

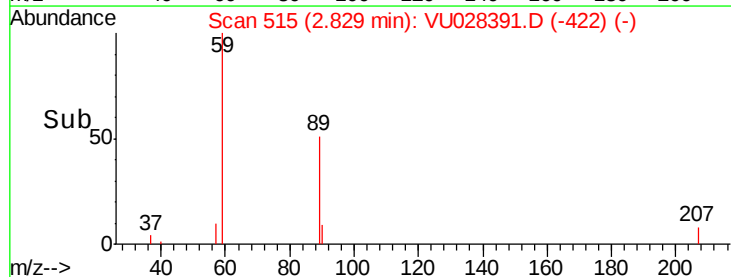
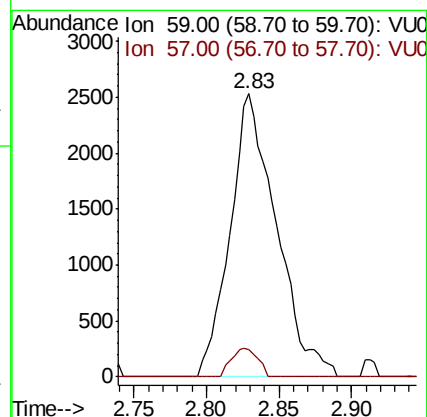
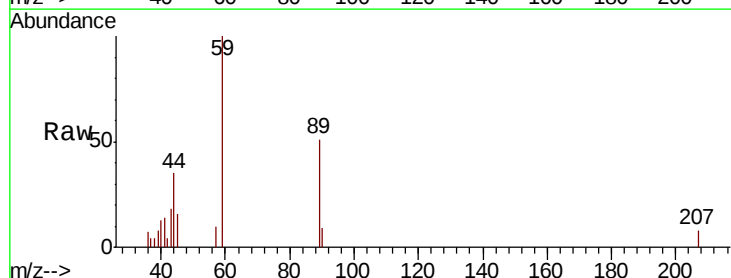
Acq: 29 Nov 2018 14:14

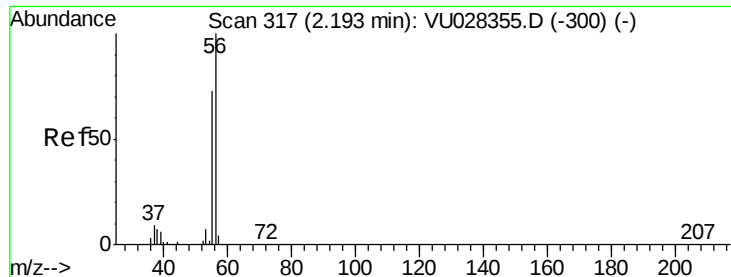
Tgt Ion: 59 Resp: 5601

Ion Ratio Lower Upper

59 100

57 5.8 8.3 12.5#





#13

Acrolein

Concen: 0.436 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

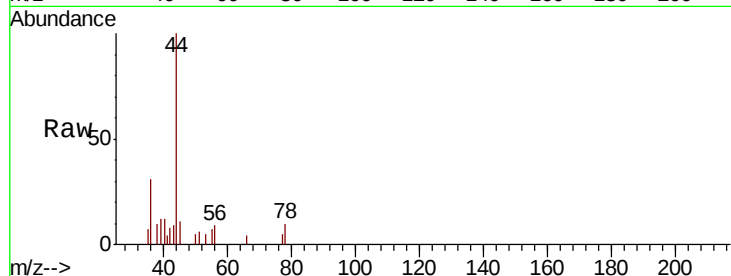
S32-0640

Tot Ion: 56 Resp: 367

Ion Ratio Lower Upper

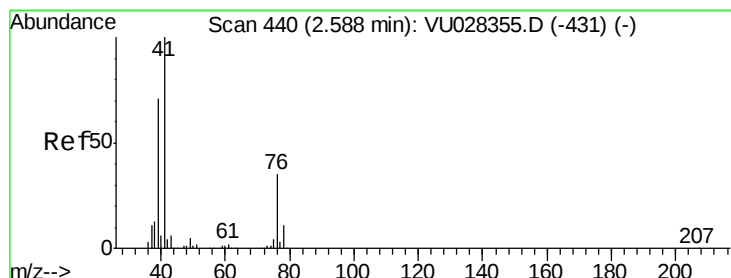
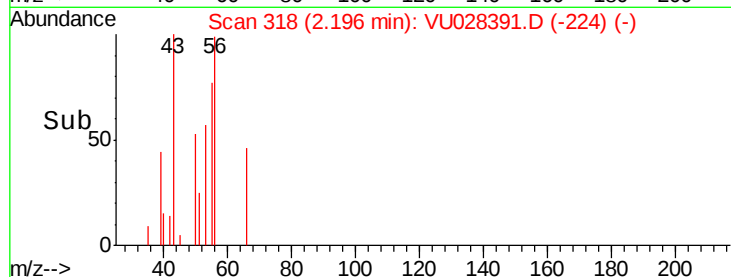
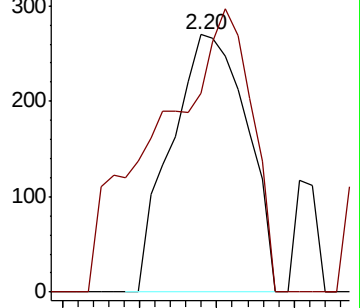
56 100

55 136.5 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 4.091 ug/l

RT: 2.44 min Scan# 394

Delta R.T. -0.15 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

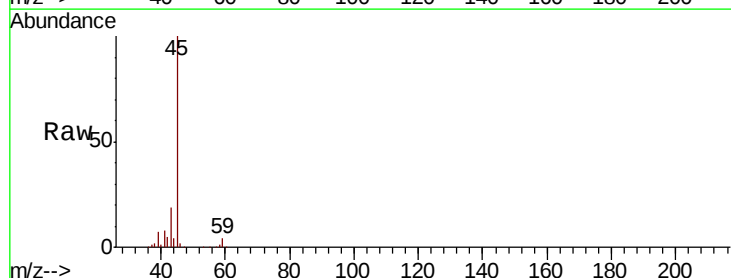
Tgt Ion: 41 Resp: 28448

Ion Ratio Lower Upper

41 100

39 79.5 51.6 77.4#

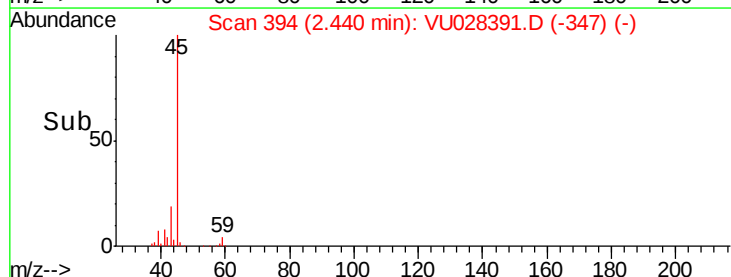
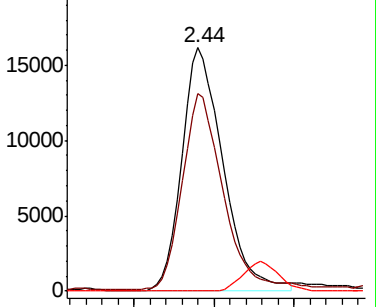
76 0.0 24.4 36.6#

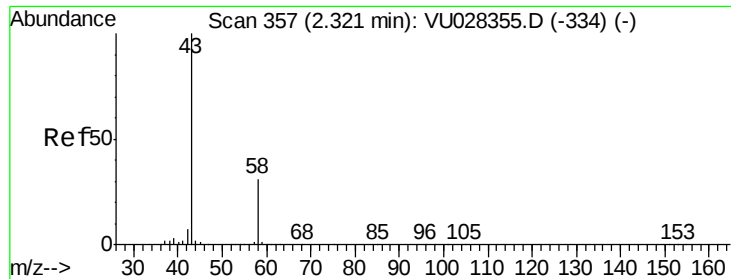


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#16

Acetone

Concen: 7.459 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

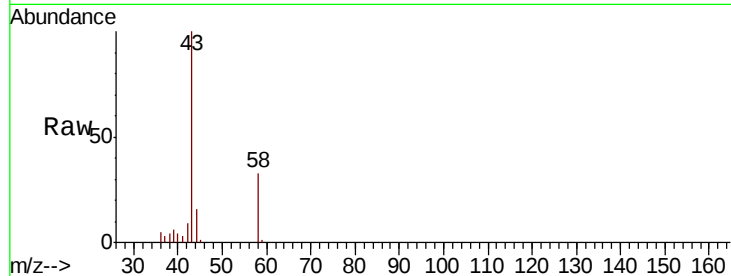
S32-0640

Tot Ion: 43 Resp: 18997

Ion Ratio Lower Upper

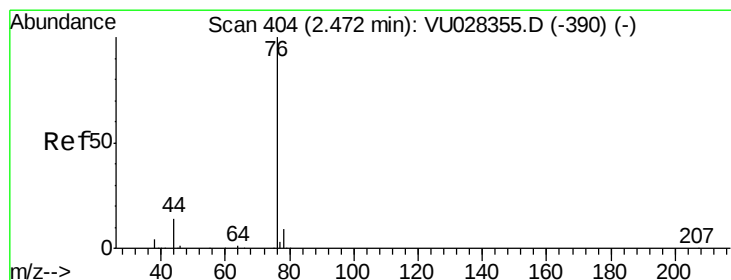
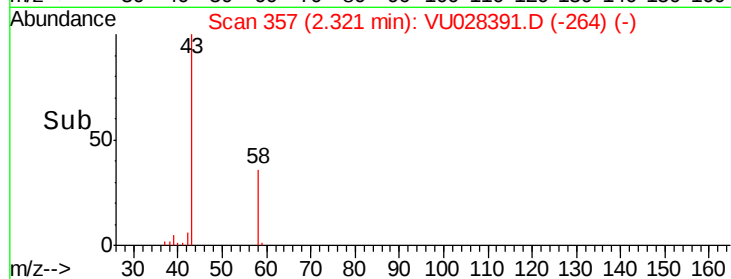
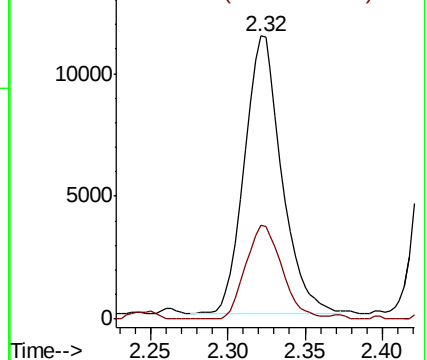
43 100

58 33.8 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 0.296 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU028391.D

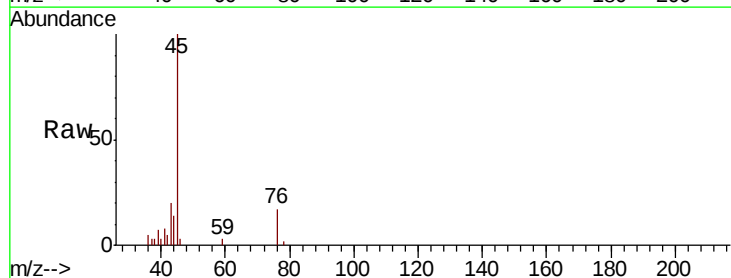
Acq: 29 Nov 2018 14:14

Tgt Ion: 76 Resp: 3028

Ion Ratio Lower Upper

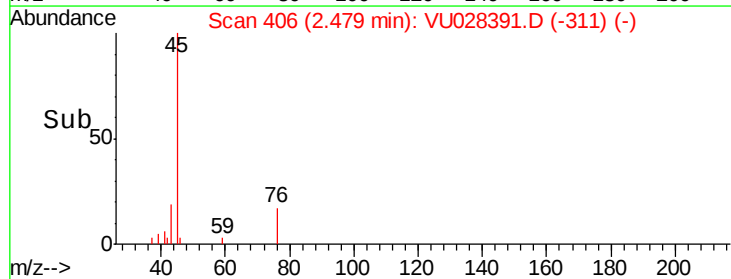
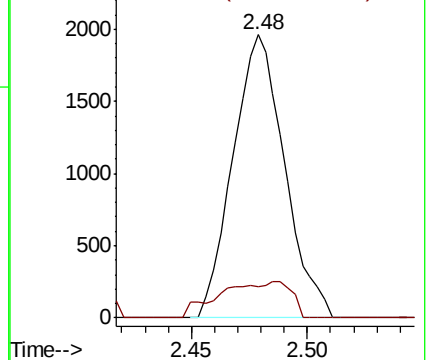
76 100

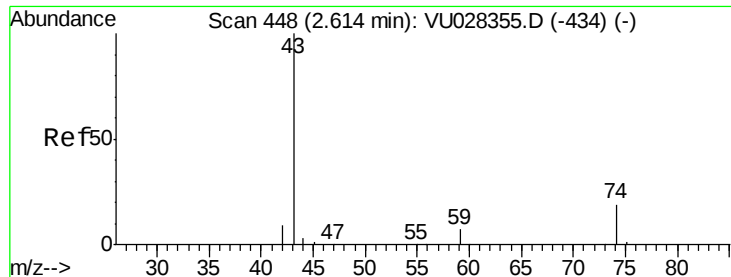
78 11.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

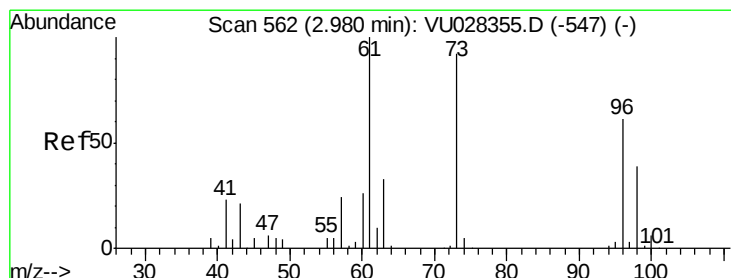
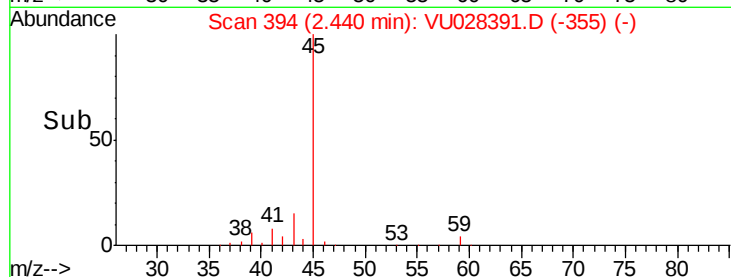
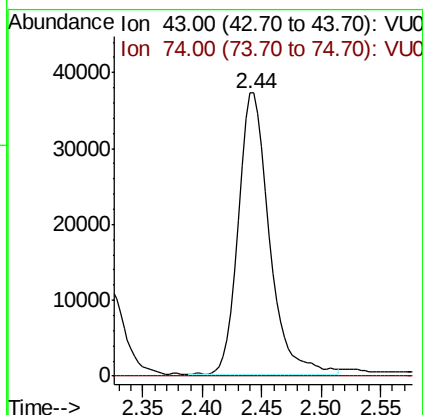
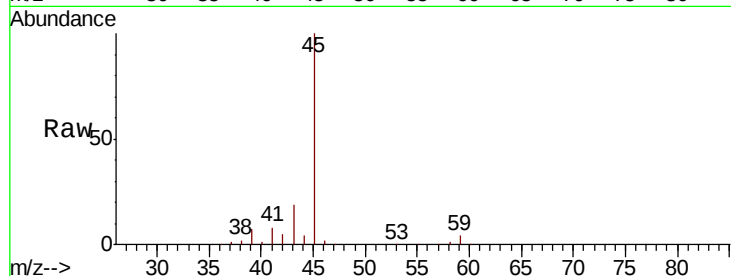




#18
Methyl Acetate
Concen: 9.491 ug/l
RT: 2.44 min Scan# 394
Delta R.T. -0.17 min
Lab File: VU028391.D
Acq: 29 Nov 2018 14:14

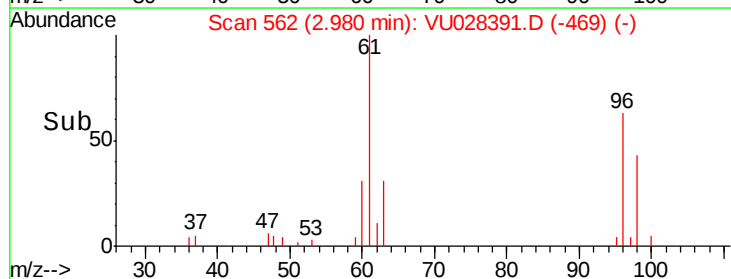
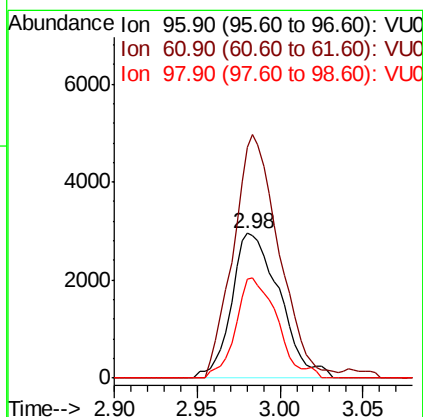
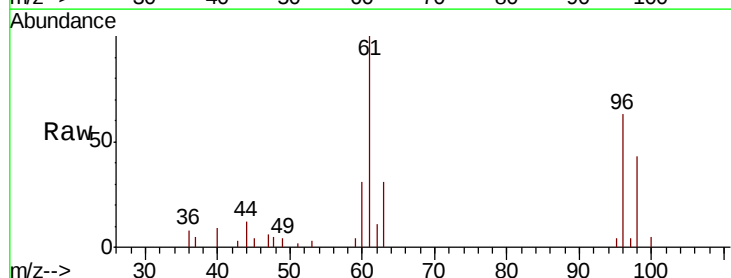
Instrument :
MSVOA_U
ClientSampleId :
S32-0640

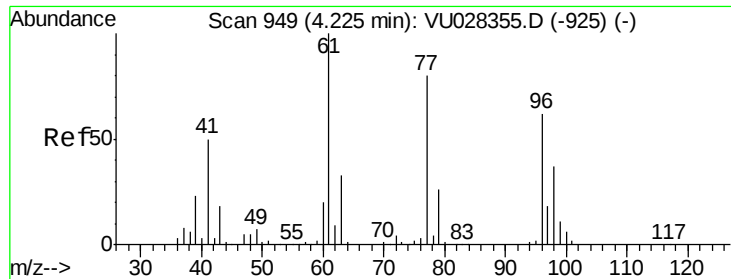
Tot Ion: 43 Resp: 67306
Ion Ratio Lower Upper
43 100
74 0.0 15.3 22.9#



#21
trans-1,2-Dichloroethene
Concen: 1.934 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028391.D
Acq: 29 Nov 2018 14:14

Tgt Ion: 96 Resp: 5969
Ion Ratio Lower Upper
96 100
61 159.6 131.1 196.7
98 68.1 51.7 77.5





#26

2,2-Dichloropropane

Concen: 0.339 ug/l

RT: 4.19 min Scan# 939

Delta R.T. -0.03 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

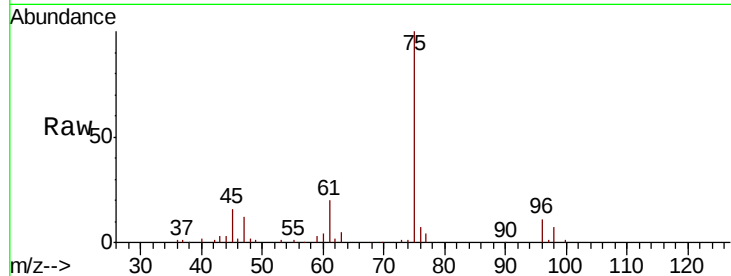
S32-0640

Tot Ion: 77 Resp: 1816

Ion Ratio Lower Upper

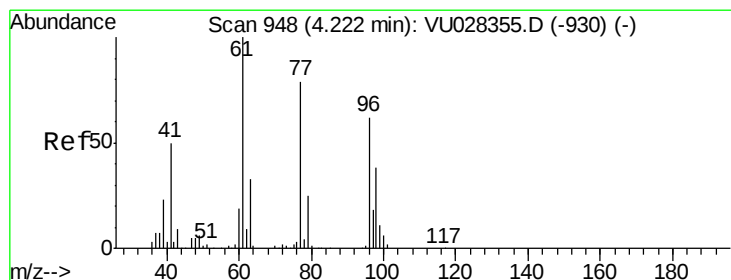
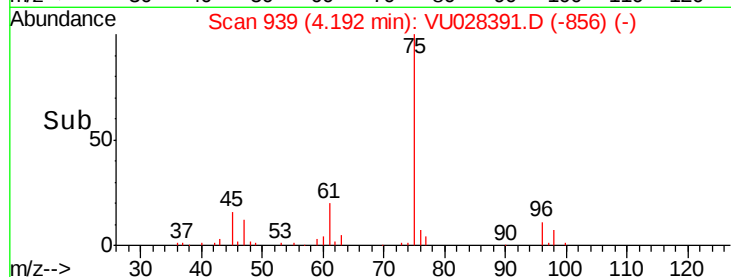
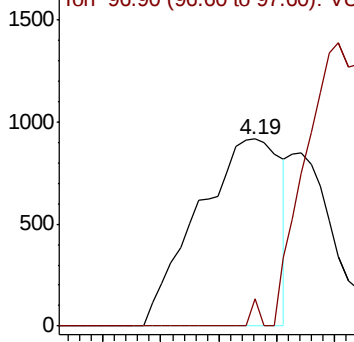
77 100

97 0.0 10.7 32.1#



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



#27

cis-1,2-Dichloroethene

Concen: 25.388 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.01 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

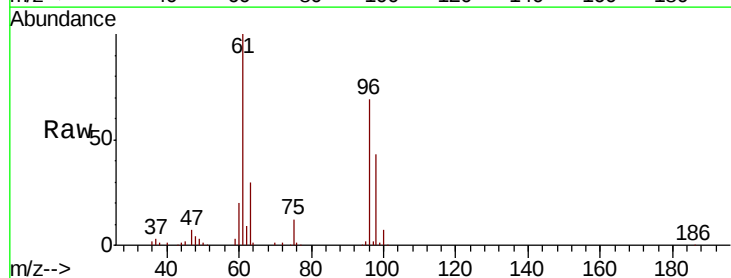
Tgt Ion: 96 Resp: 92678

Ion Ratio Lower Upper

96 100

61 147.0 0.0 342.0

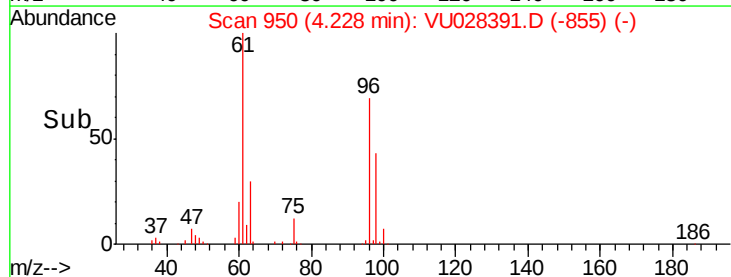
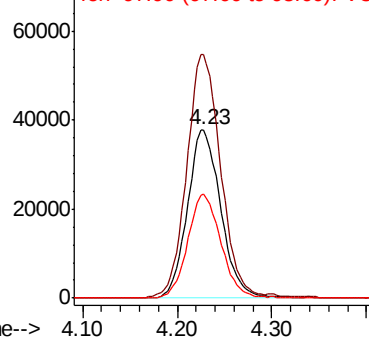
98 61.1 0.0 126.4

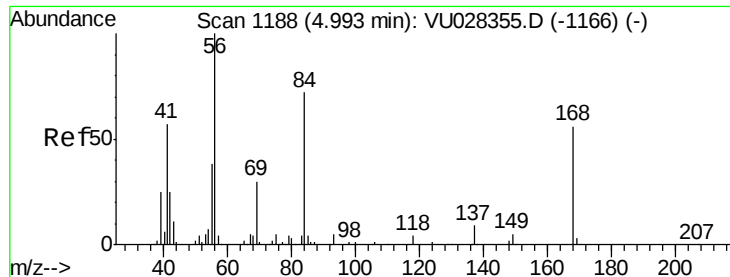


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

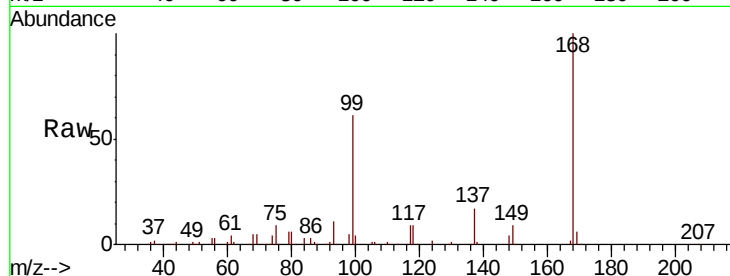




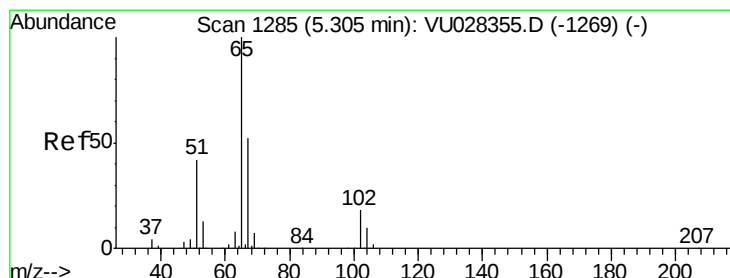
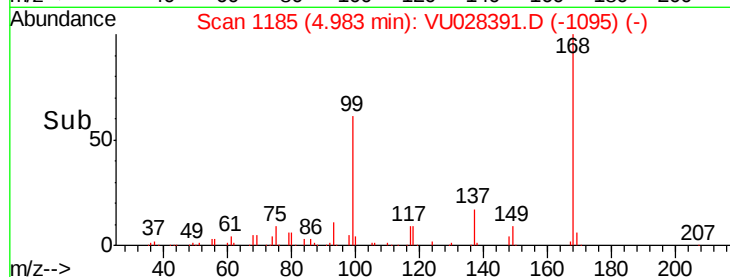
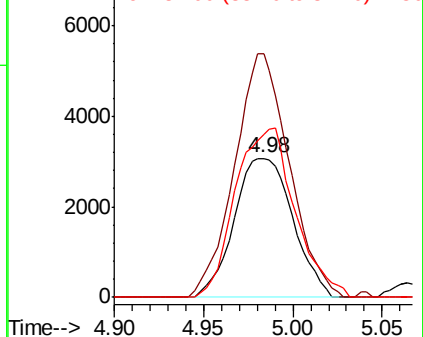
#31
Cyclohexane
Concen: 0.634 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028391.D
Acq: 29 Nov 2018 14:14

Instrument :
MSVOA_U
ClientSampleId :
S32-0640

Tot Ion: 56 Resp: 7032
Ion Ratio Lower Upper
56 100
69 175.3 23.7 35.5#
84 117.7 57.3 85.9#

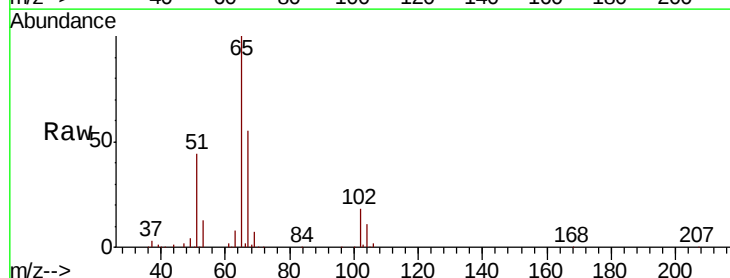


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

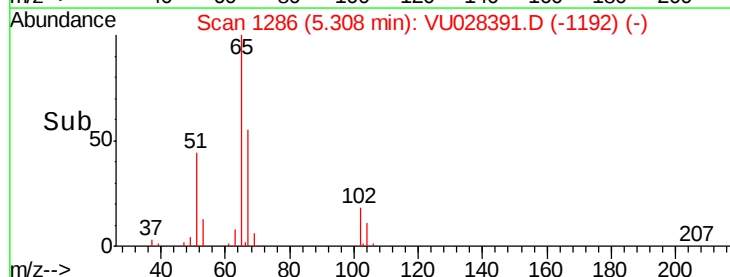
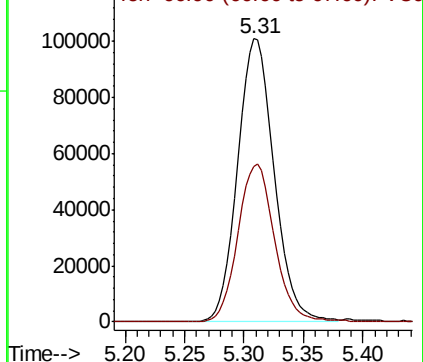


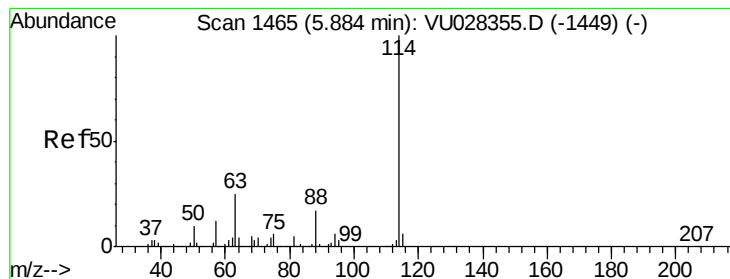
#33
1,2-Dichloroethane-d4
Concen: 51.622 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028391.D
Acq: 29 Nov 2018 14:14

Tgt Ion: 65 Resp: 214936
Ion Ratio Lower Upper
65 100
67 56.1 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: VU028391.D

Acq: 29 Nov 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

S32-0640

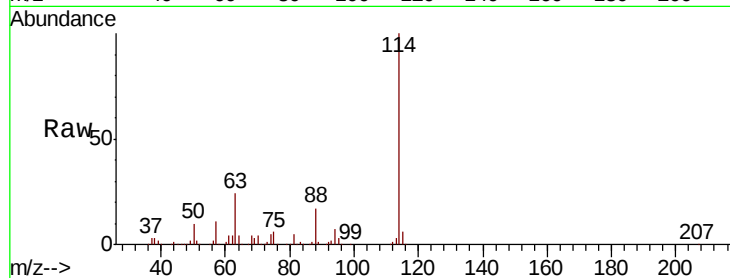
Tot Ion:114 Resp: 466968

Ion Ratio Lower Upper

114 100

63 24.3 0.0 50.0

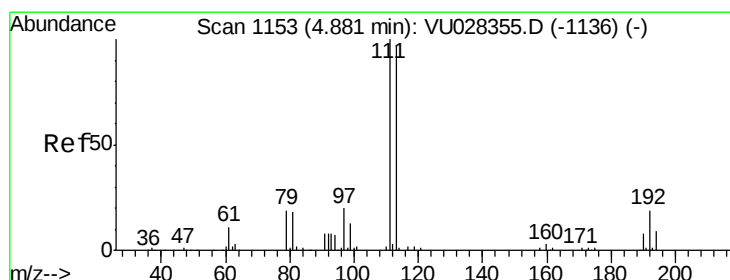
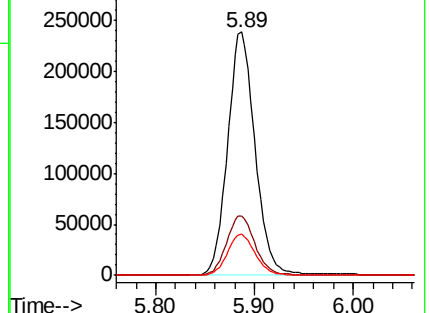
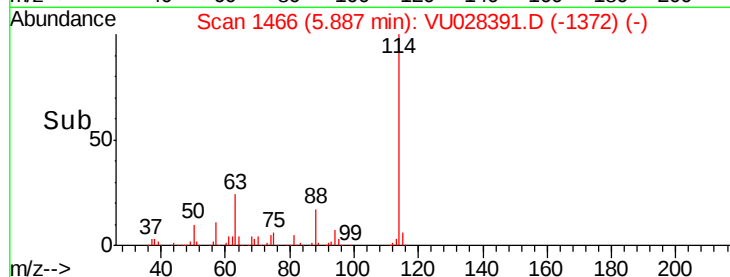
88 16.8 0.0 34.4



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: 50.689 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

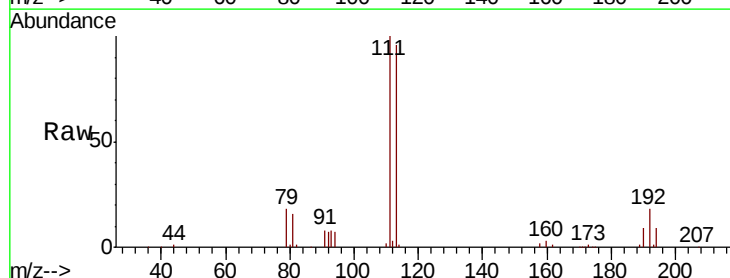
Tgt Ion:113 Resp: 157396

Ion Ratio Lower Upper

113 100

111 104.1 82.9 124.3

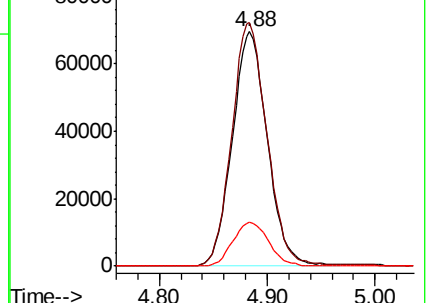
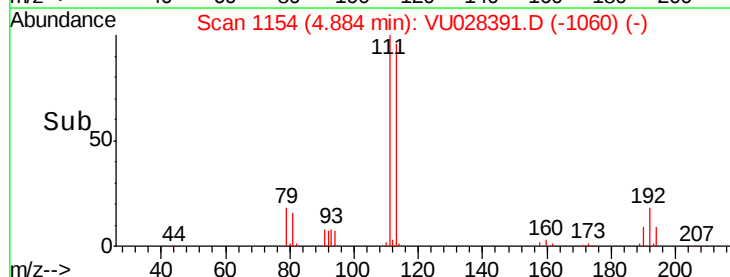
192 19.1 15.4 23.0

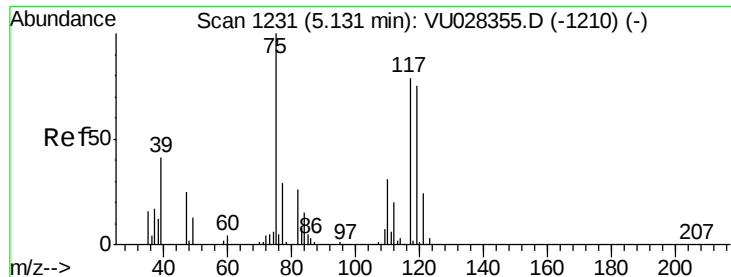


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.921 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

S32-0640

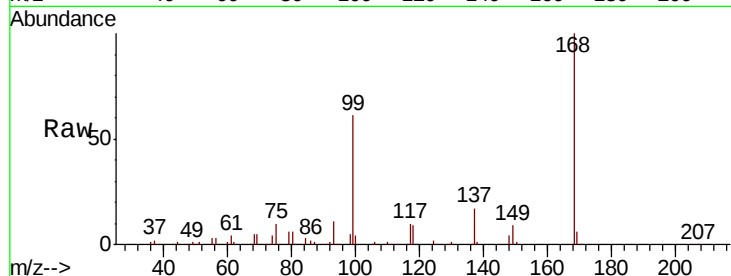
Tot Ion:117 Resp: 24847

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

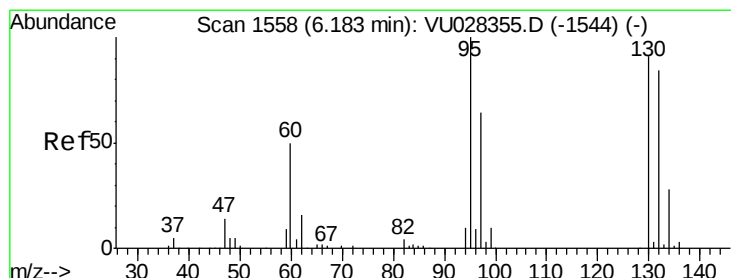
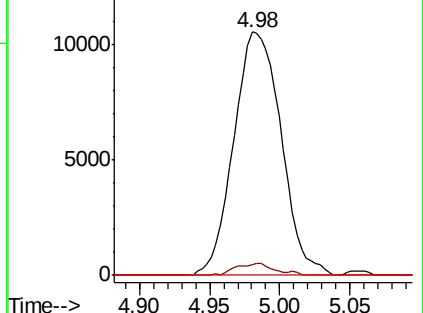
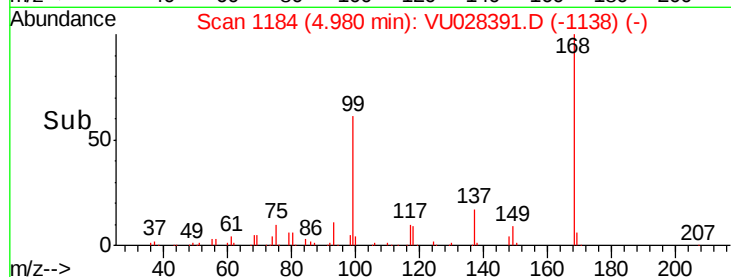
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 0.240 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028391.D

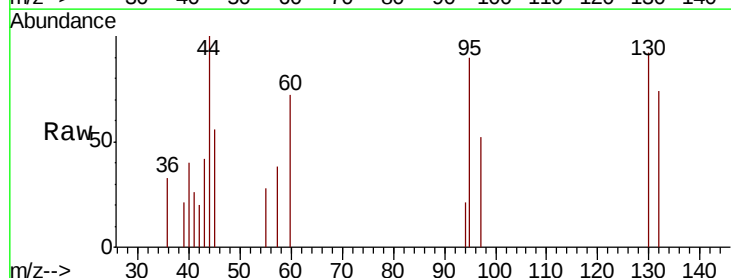
Acq: 29 Nov 2018 14:14

Tgt Ion:130 Resp: 777

Ion Ratio Lower Upper

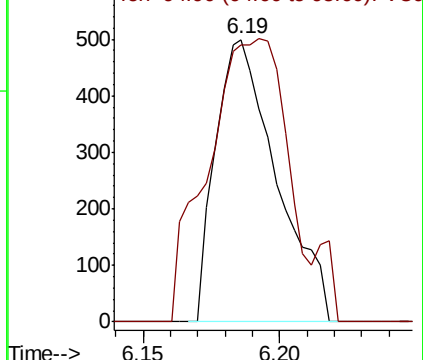
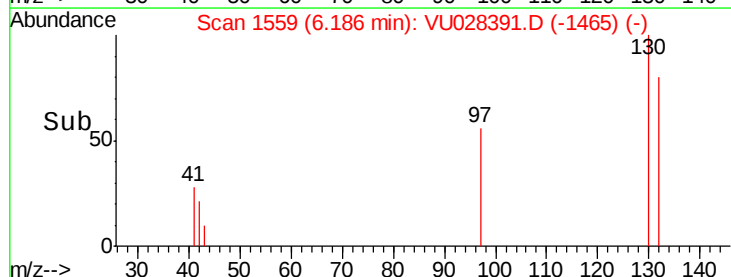
130 100

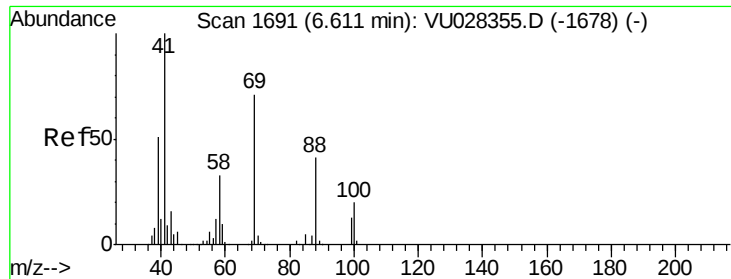
95 97.8 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

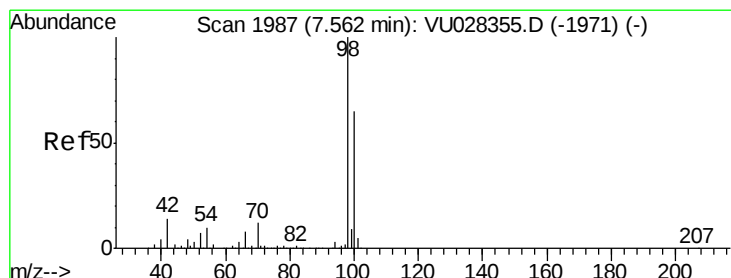
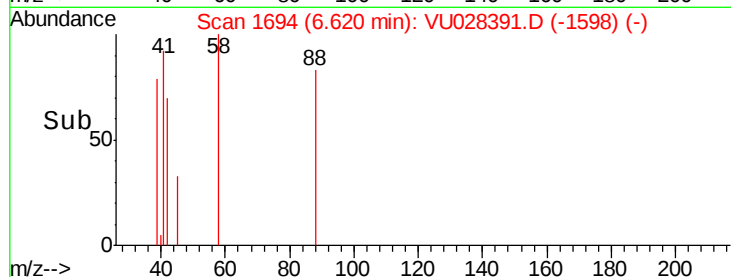
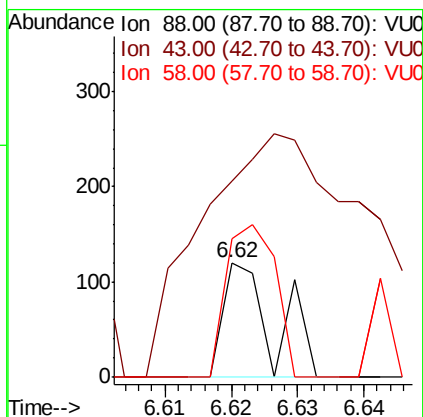
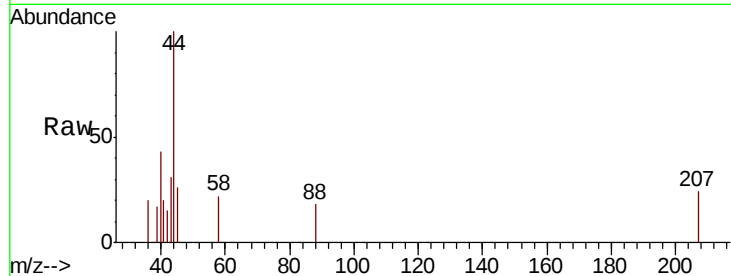




#49
1,4-Dioxane
Concen: 0.697 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VU028391.D
Acq: 29 Nov 2018 14:14

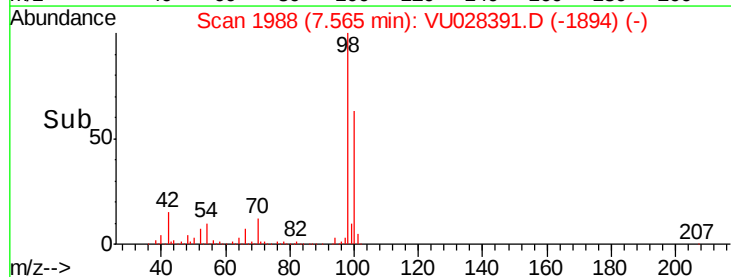
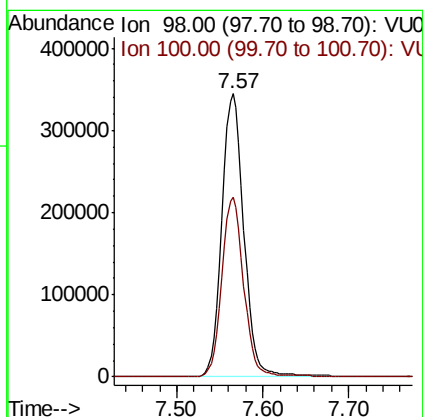
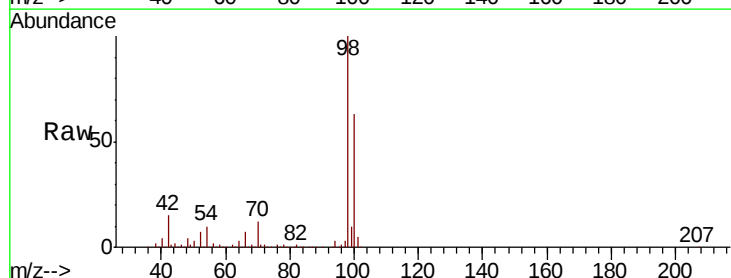
Instrument :
MSVOA_U
ClientSampleId :
S32-0640

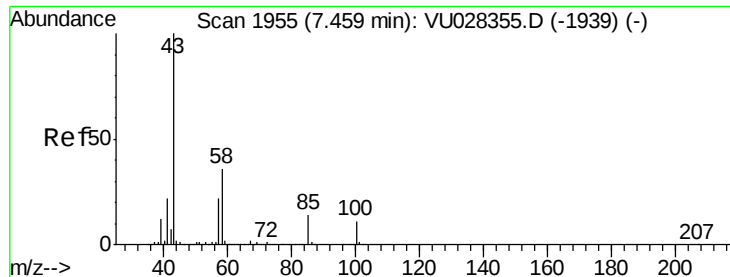
Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 670.3 32.6 48.8#
58 129.7 68.7 103.1#



#50
Toluene-d8
Concen: 49.579 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028391.D
Acq: 29 Nov 2018 14:14

Tgt Ion: 98 Resp: 615691
Ion Ratio Lower Upper
98 100
100 62.5 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 0.202 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

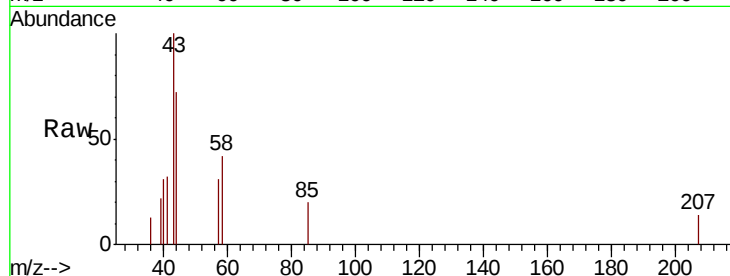
S32-0640

Tot Ion: 43 Resp: 1426

Ion Ratio Lower Upper

43 100

58 39.3 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1939) (-)

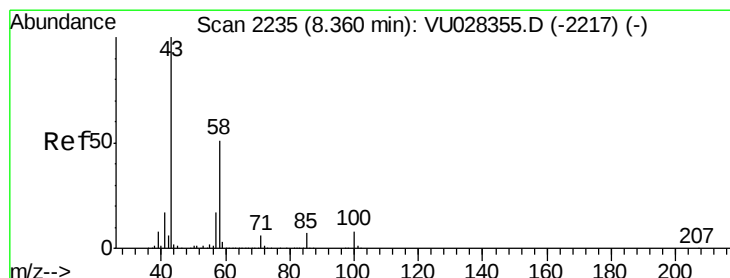
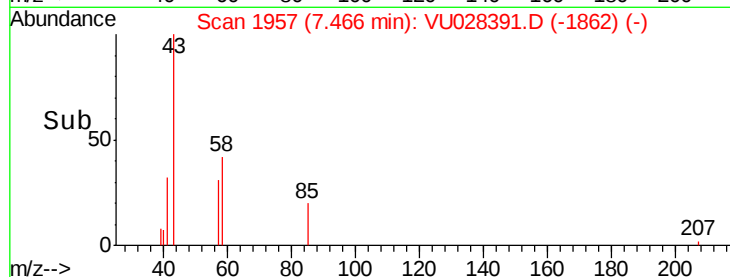
Ion 58.00 (57.70 to 58.70): VU028355.D (-1939) (-)

7.47

7.45

7.50

Time-->



#59

2-Hexanone

Concen: 0.502 ug/l

RT: 8.38 min Scan# 2240

Delta R.T. 0.02 min

Lab File: VU028391.D

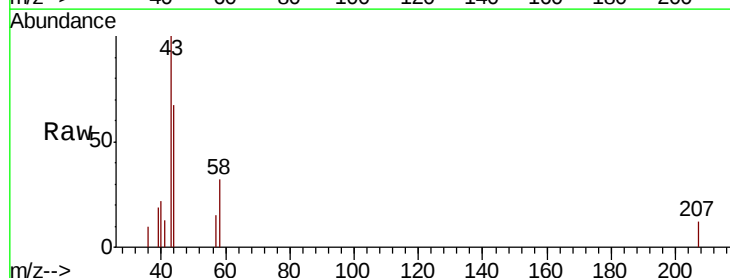
Acq: 29 Nov 2018 14:14

Tgt Ion: 43 Resp: 2743

Ion Ratio Lower Upper

43 100

58 35.6 25.5 76.5



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VU028355.D (-2217) (-)

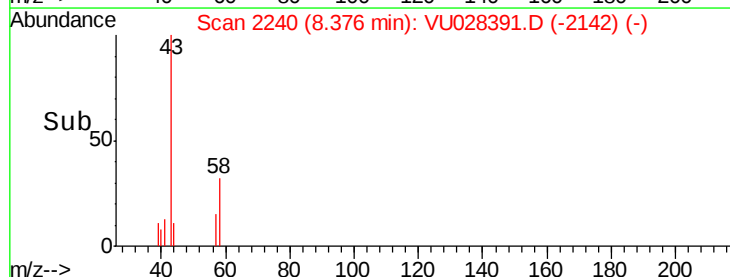
8.38

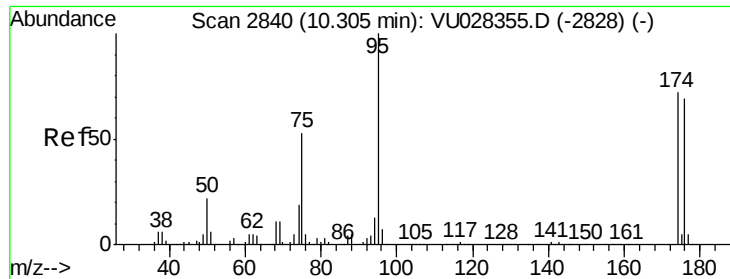
8.35

8.40

8.45

Time-->

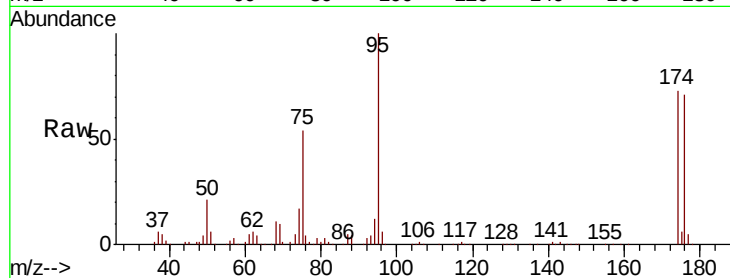




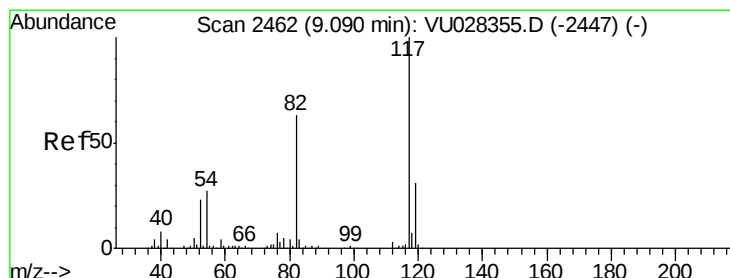
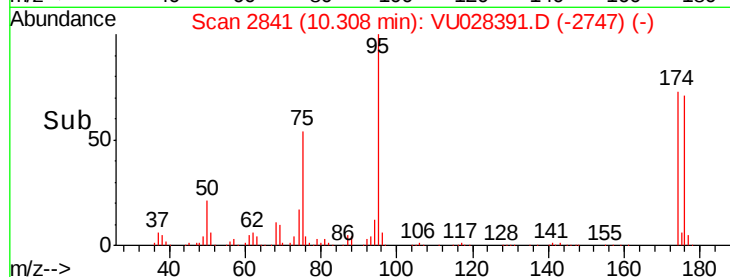
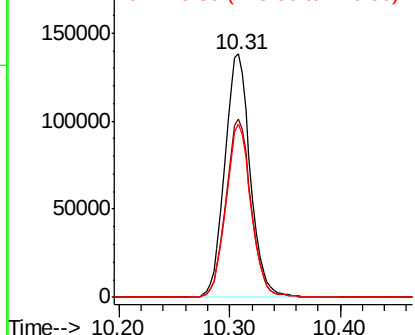
#62
 4-Bromofluorobenzene
 Concen: 49.434 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU028391.D
 Acq: 29 Nov 2018 14:14

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0640

Tot Ion: 95 Resp: 221264
 Ion Ratio Lower Upper
 95 100
 174 72.9 0.0 145.4
 176 70.3 0.0 140.8

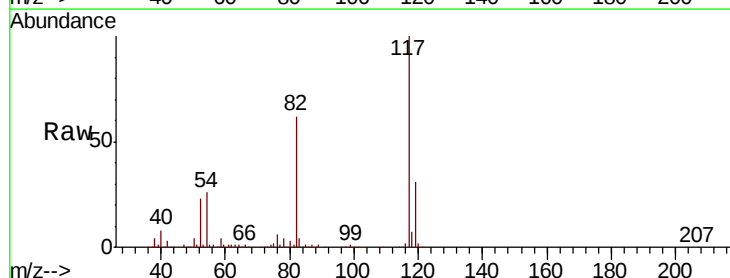


Abundance Ion 94.90 (94.60 to 95.60): VU0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

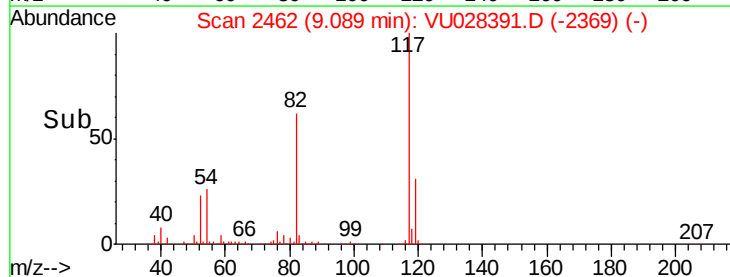
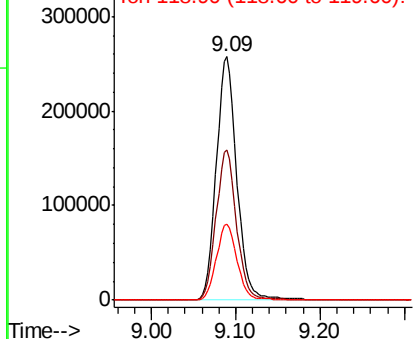


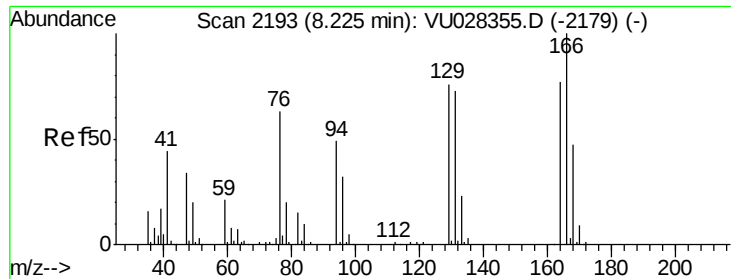
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU028391.D
 Acq: 29 Nov 2018 14:14

Tgt Ion: 117 Resp: 436039
 Ion Ratio Lower Upper
 117 100
 82 61.9 50.3 75.5
 119 31.4 24.8 37.2



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

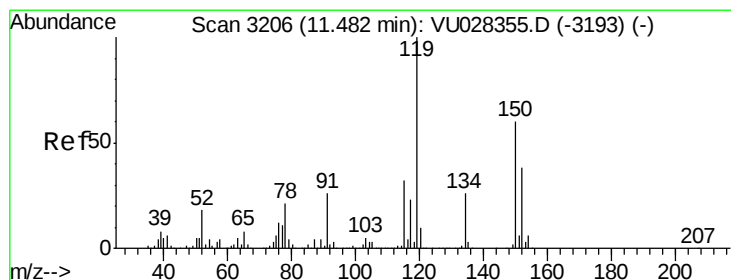
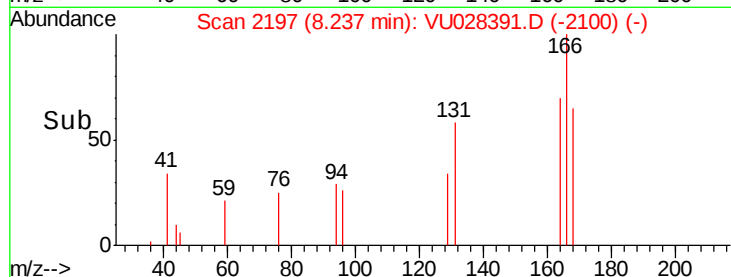
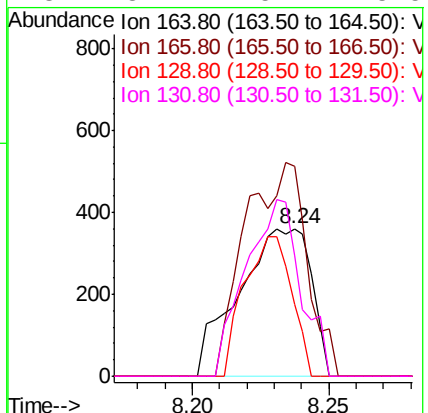
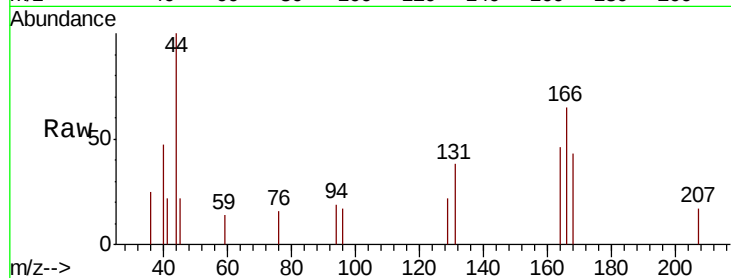




#64
Tetrachloroethene
Concen: 0.232 ug/l
RT: 8.24 min Scan# 2197
Delta R.T. 0.01 min
Lab File: VU028391.D
Acq: 29 Nov 2018 14:14

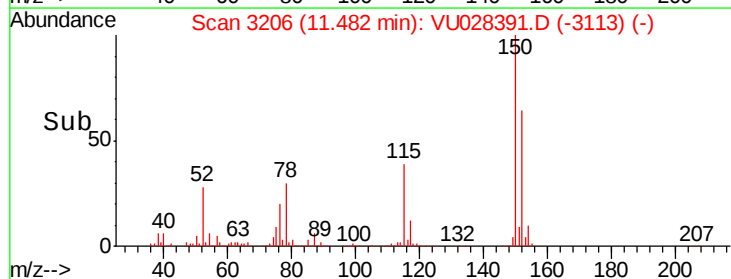
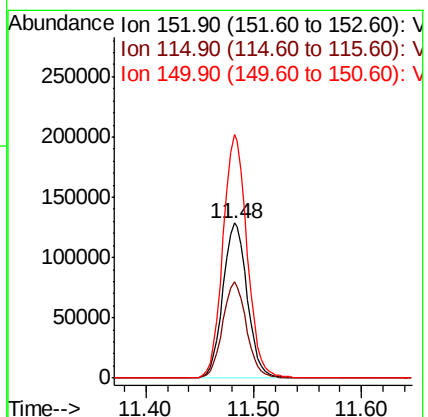
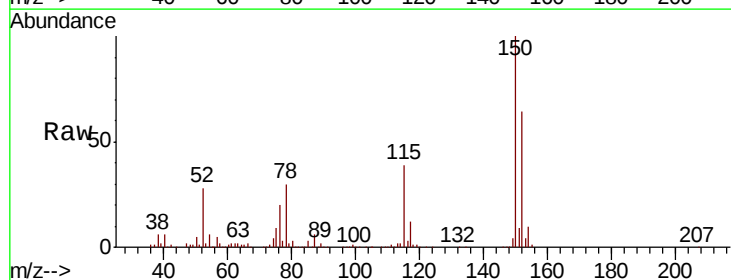
Instrument :
MSVOA_U
ClientSampleId :
S32-0640

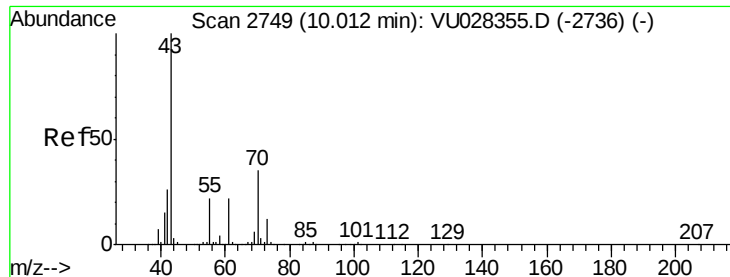
Tot Ion:164 Resp: 664
Ion Ratio Lower Upper
164 100
166 142.1 104.0 156.0
129 48.8 79.2 118.8#
131 81.7 75.7 113.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028391.D
Acq: 29 Nov 2018 14:14

Tgt Ion:152 Resp: 202264
Ion Ratio Lower Upper
152 100
115 61.1 45.0 134.8
150 155.1 0.0 349.2

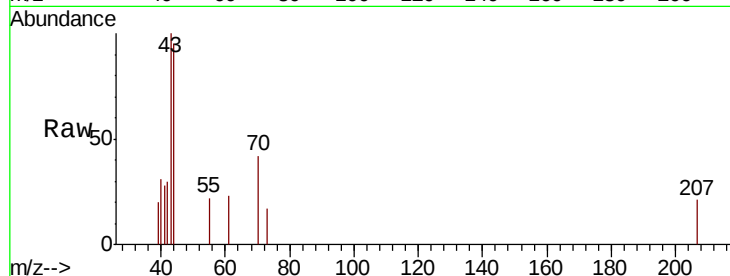




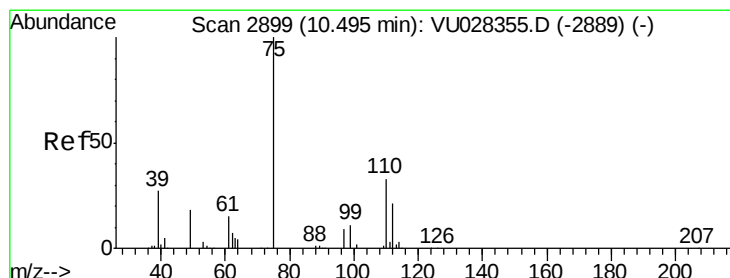
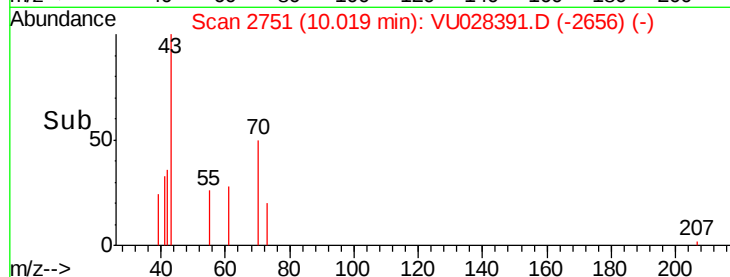
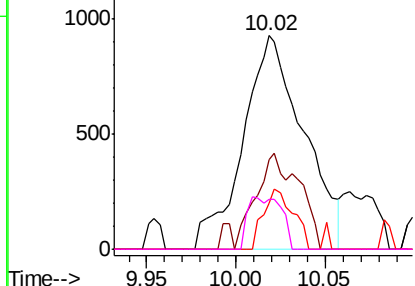
#74
N-amvl acetate
Concen: 0.223 ug/l
RT: 10.02 min Scan# 2751
Delta R.T. 0.01 min
Lab File: VU028391.D
Acq: 29 Nov 2018 14:14

Instrument :
MSVOA_U
ClientSampleId :
S32-0640

Tot Ion: 43 Resp: 2193
Ion Ratio Lower Upper
43 100
70 32.0 28.4 42.6
55 13.8 18.0 27.0#
61 13.7 17.6 26.4#

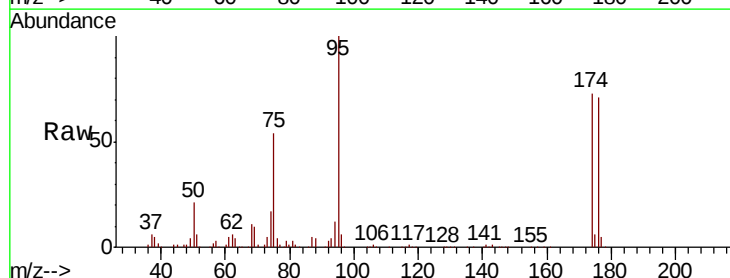


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 70.00 (69.70 to 70.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 61.00 (60.70 to 61.70): VU0

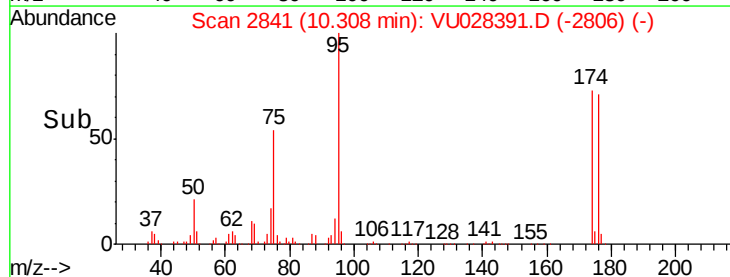
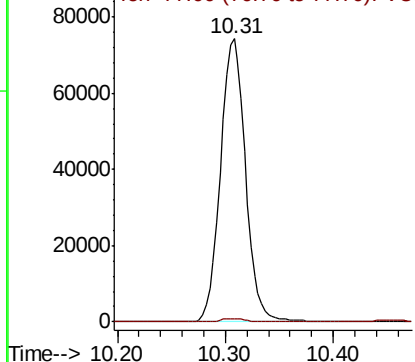


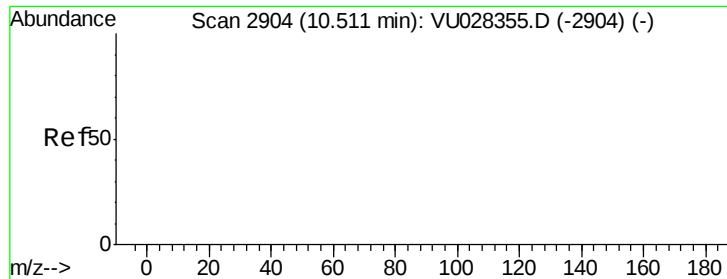
#76
1,2,3-Trichloropropane
Concen: 21.407 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU028391.D
Acq: 29 Nov 2018 14:14

Tgt Ion: 75 Resp: 120068
Ion Ratio Lower Upper
75 100
77 1.2 22.4 67.0#



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: 56.823 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

S32-0640

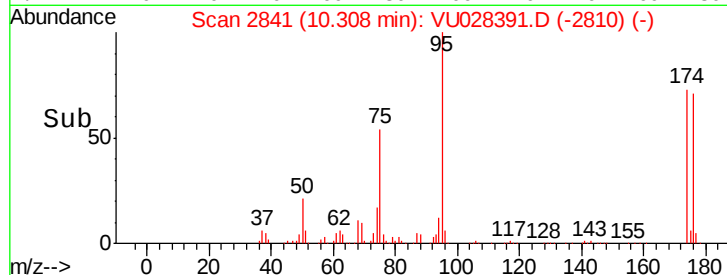
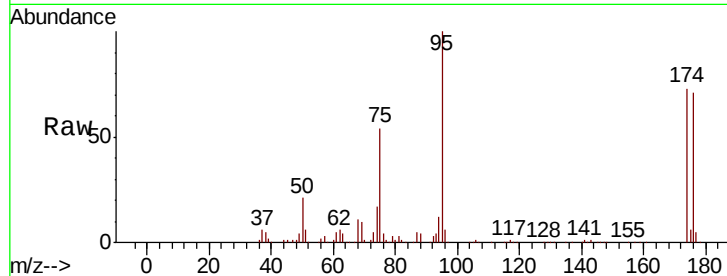
Tot Ion: 75 Resp: 120068

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

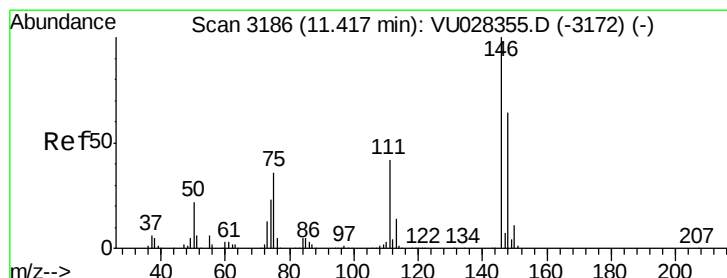
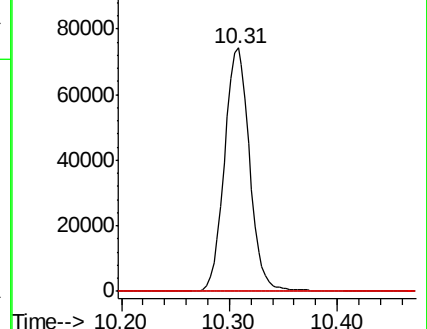
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU028391.D (-2810) (-)

Ion 53.00 (52.70 to 53.70): VU028391.D (-2810) (-)

Ion 88.90 (88.60 to 89.60): VU028391.D (-2810) (-)



#87

1,3-Dichlorobenzene

Concen: 0.252 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

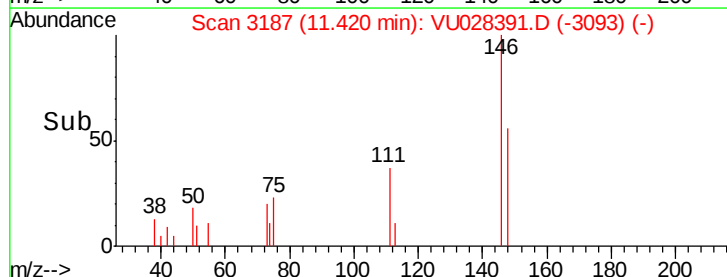
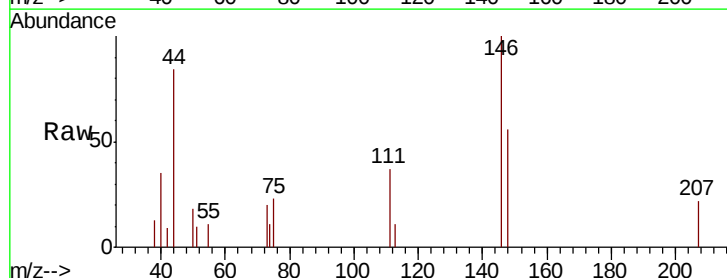
Tgt Ion: 146 Resp: 1706

Ion Ratio Lower Upper

146 100

111 42.0 20.8 62.4

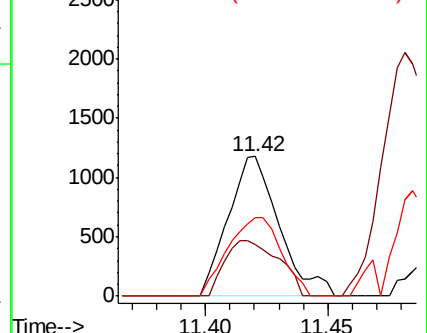
148 58.7 31.8 95.3

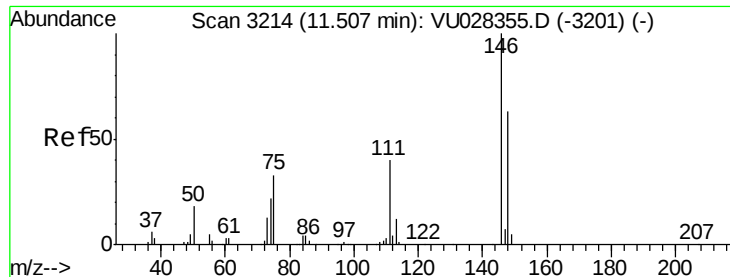


Abundance Ion 145.90 (145.60 to 146.60): VU028391.D (-3093) (-)

Ion 110.90 (110.60 to 111.60): VU028391.D (-3093) (-)

Ion 147.90 (147.60 to 148.60): VU028391.D (-3093) (-)





#88

1,4-Dichlorobenzene

Concen: 0.251 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. -0.09 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

Instrument :

MSVOA_U

ClientSampled :

S32-0640

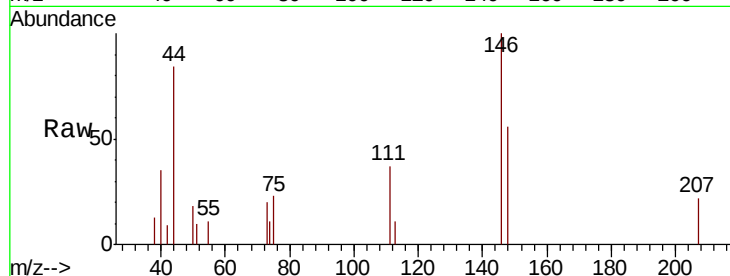
Tot Ion:146 Resp: 1706

Ion Ratio Lower Upper

146 100

111 42.0 20.6 61.9

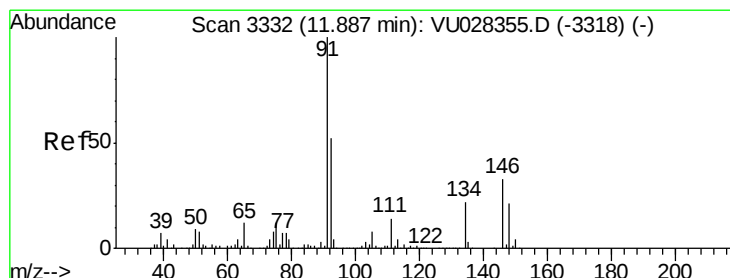
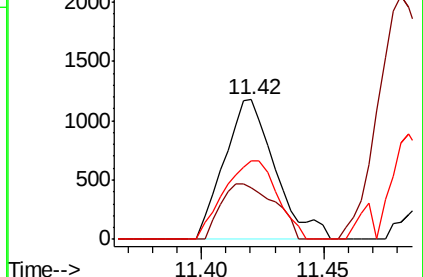
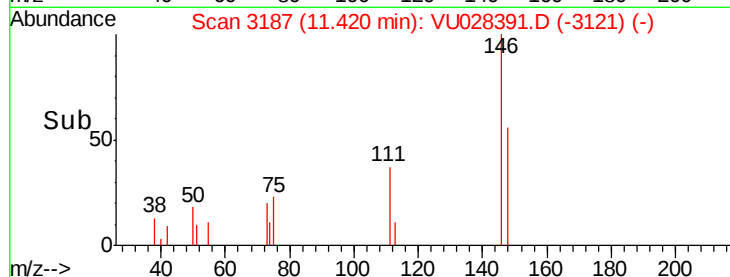
148 58.7 31.1 93.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.244 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.01 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

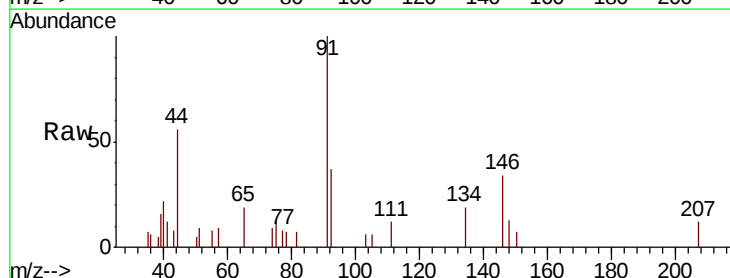
Tgt Ion: 91 Resp: 3180

Ion Ratio Lower Upper

91 100

92 44.6 26.2 78.5

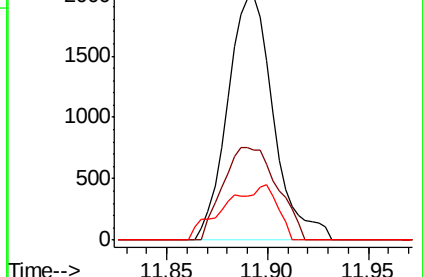
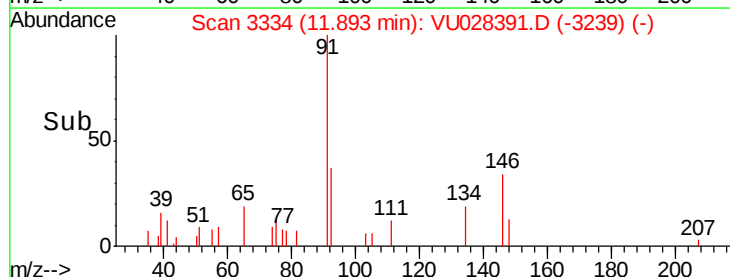
134 25.8 11.1 33.1

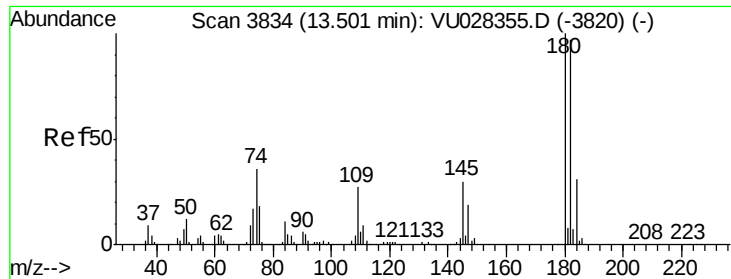


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#93

1,2,4-Trichlorobenzene

Concen: 0.428 ug/l

RT: 13.51 min Scan# 3836

Delta R.T. 0.01 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

S32-0640

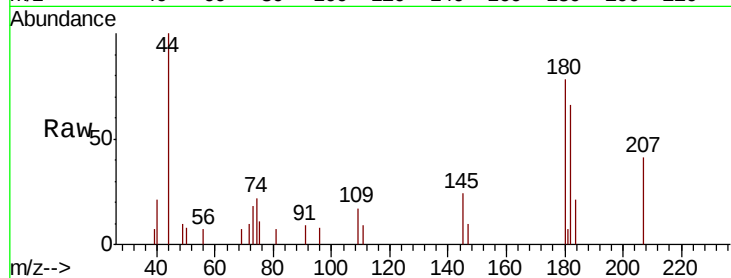
Tot Ion:180 Resp: 1888

Ion Ratio Lower Upper

180 100

182 112.0 48.3 144.9

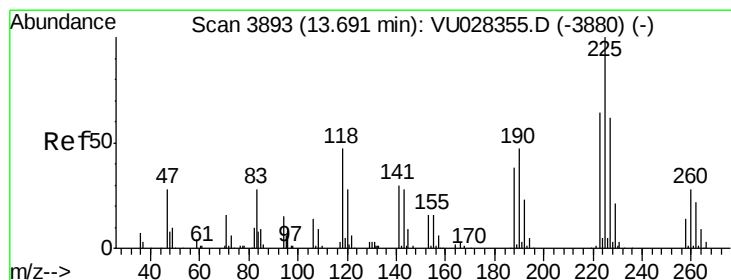
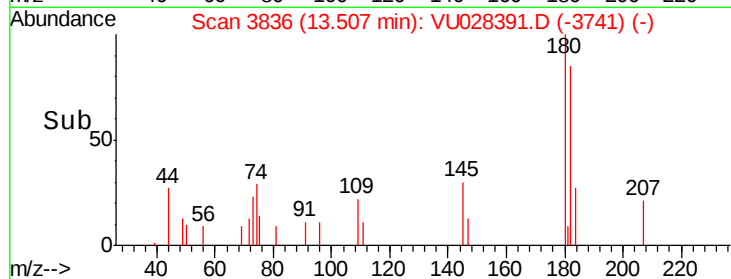
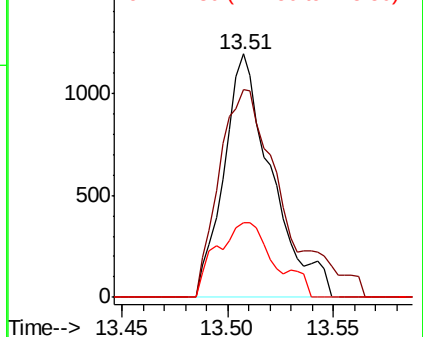
145 33.1 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.350 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

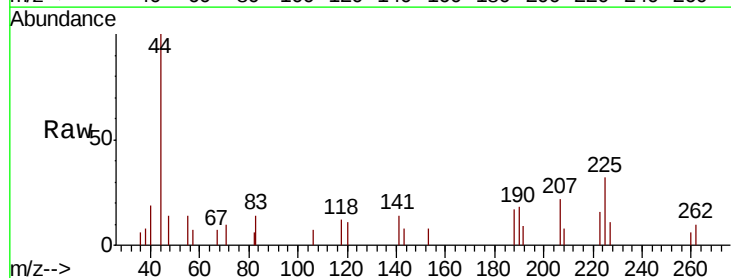
Tgt Ion:225 Resp: 730

Ion Ratio Lower Upper

225 100

223 50.8 31.6 94.7

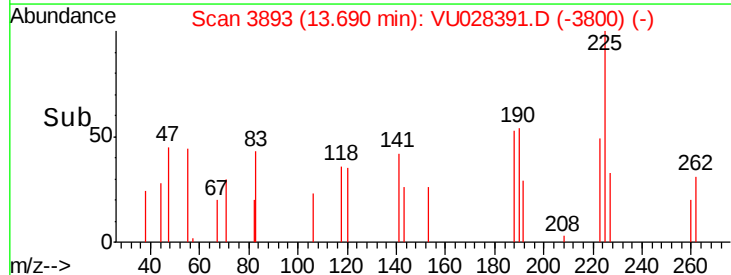
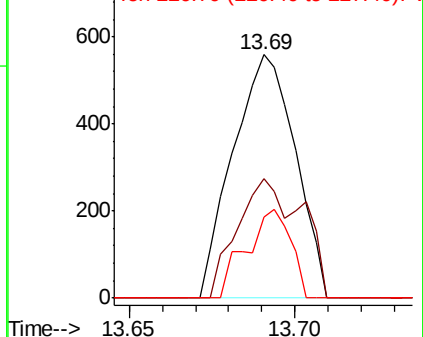
227 25.8 30.8 92.4#

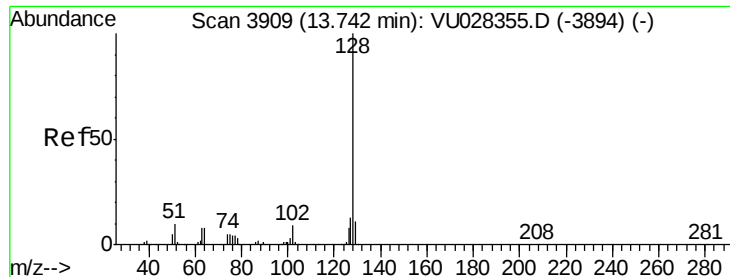


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.291 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

S32-0640

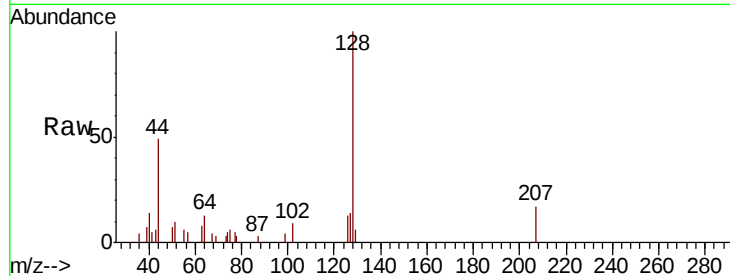
Tot Ion:128 Resp: 8220

Ion Ratio Lower Upper

128 100

127 8.3 10.6 15.8#

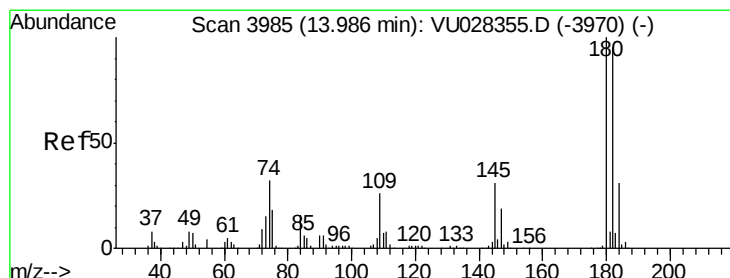
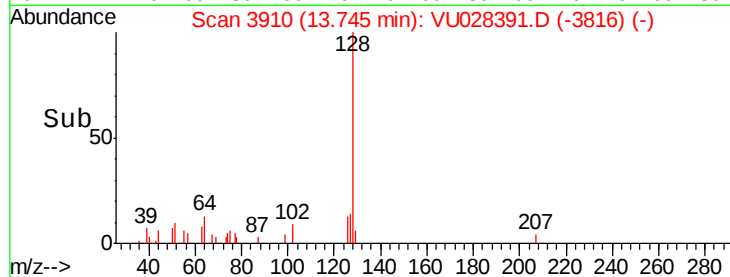
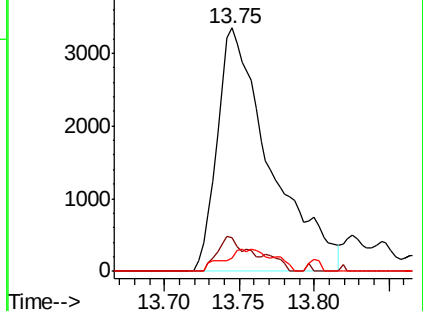
129 4.1 8.6 12.8#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.483 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028391.D

Acq: 29 Nov 2018 14:14

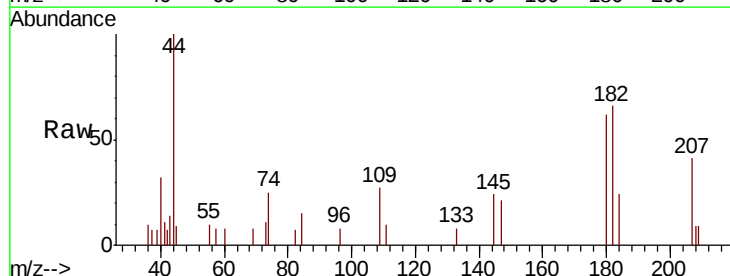
Tgt Ion:180 Resp: 2155

Ion Ratio Lower Upper

180 100

182 94.5 47.7 143.1

145 32.2 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

