

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
 Data File : VU034350.D
 Acq On : 06 Sep 2019 23:32
 Operator : JC/SP
 Sample : K4686-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OUTFALL001-190903

Quant Time: Sep 07 04:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	295135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	445922	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	439148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	258389	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	221969	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
35) Dibromofluoromethane	4.86	113	196161	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	
50) Toluene-d8	7.55	98	731950	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
62) 4-Bromofluorobenzene	10.29	95	262124	43.55	ug/l	0.00
Spiked Amount			Recovery	=	87.10%	

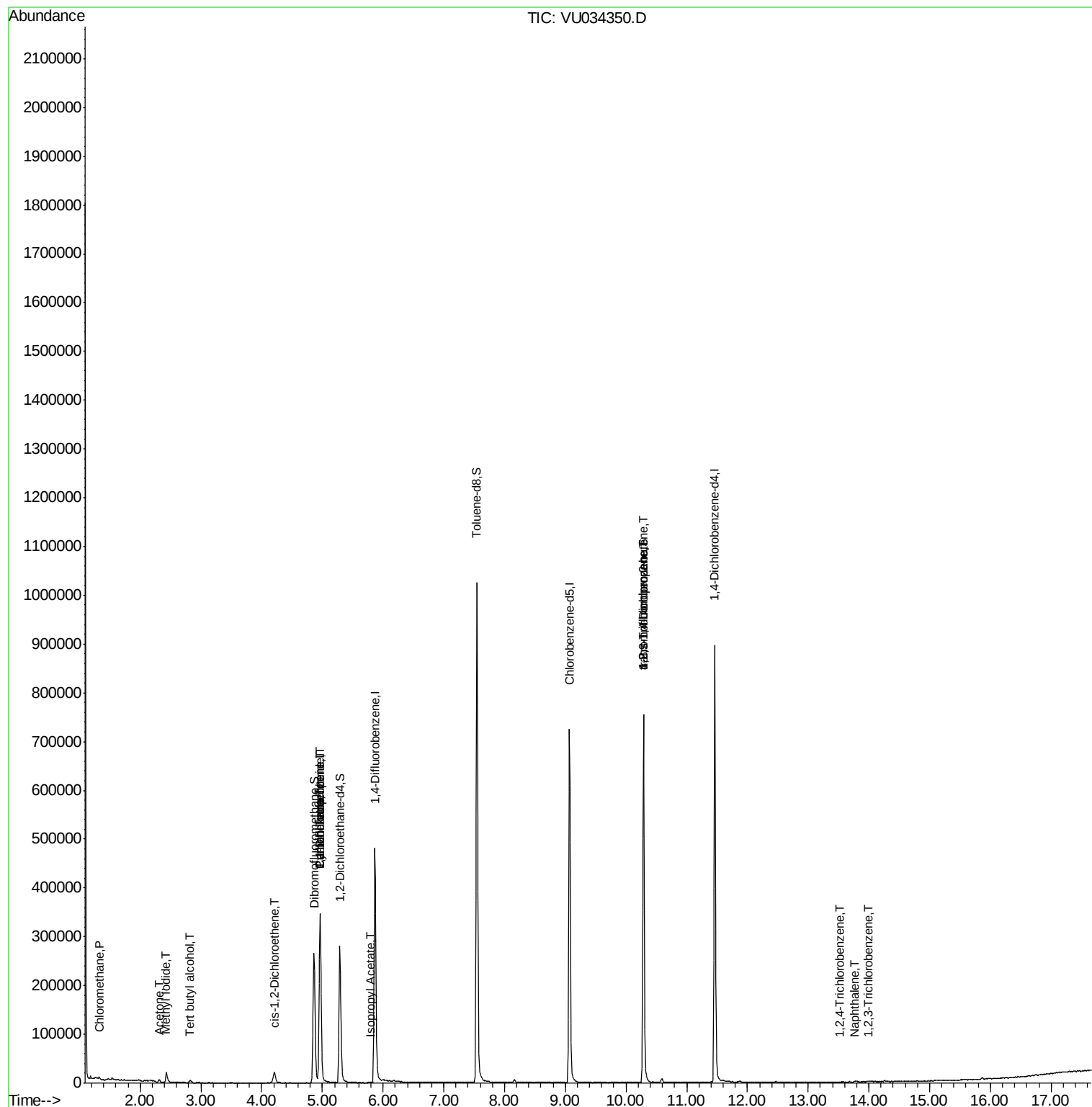
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	3044	0.829	ug/l	97
5) Bromomethane	1.63	94	867	Below Cal		83
6) Chloroethane	1.69	64	94	Below Cal	#	43
10) Methyl Iodide	2.41	142	534	4.004	ug/l #	53
11) Tert butyl alcohol	2.82	59	3049	3.232	ug/l #	73
16) Acetone	2.31	43	6618	2.864	ug/l	97
20) Methylene Chloride	2.69	84	266	Below Cal	#	78
27) cis-1,2-Dichloroethene	4.21	96	12591	3.064	ug/l	86
31) Cyclohexane	4.96	56	4625	0.884	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	19342	4.000	ug/l #	48
38) Carbon Tetrachloride	4.96	117	25563	4.951	ug/l #	17
43) Isopropyl Acetate	5.78	43	3022	0.339	ug/l #	59
76) 1,2,3-Trichloropropane	10.29	75	120976	21.449	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	120976	72.132	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.53	180	498	3.527	ug/l #	66
95) Naphthalene	13.76	128	1209	4.031	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.00	180	531	2.724	ug/l #	65

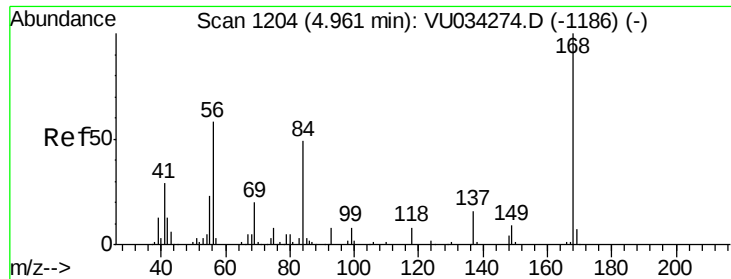
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034350.D

Acq: 06 Sep 2019 23:32

Instrument :

MSVOA_U

ClientSampleId :

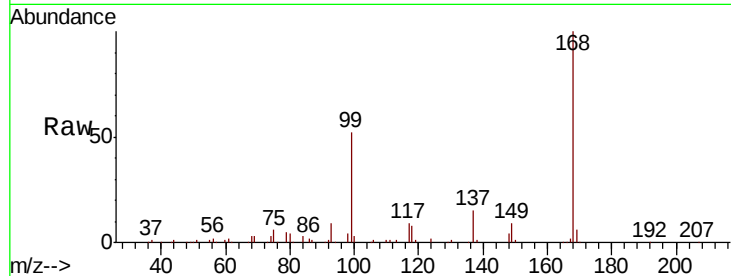
OUTFALL001-190903

Tgt Ion: 168 Resp: 295135

Ion Ratio Lower Upper

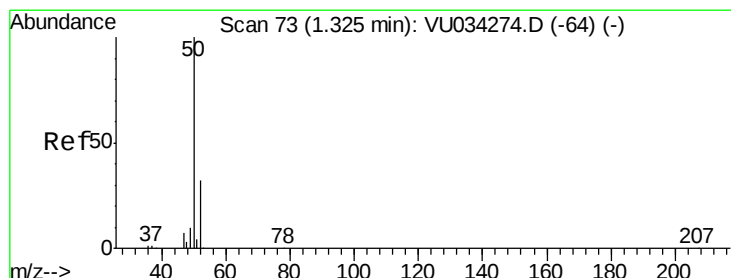
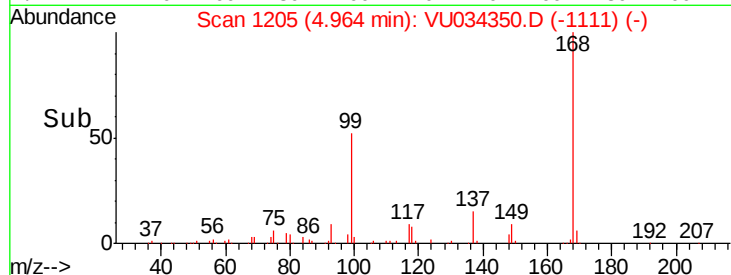
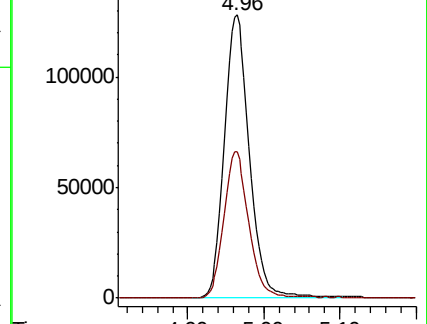
168 100

99 51.5 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034350.D (-1111) (-)



#3

Chloromethane

Concen: 0.829 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU034350.D

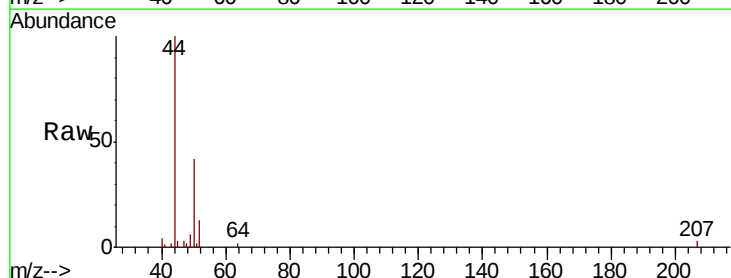
Acq: 06 Sep 2019 23:32

Tgt Ion: 50 Resp: 3044

Ion Ratio Lower Upper

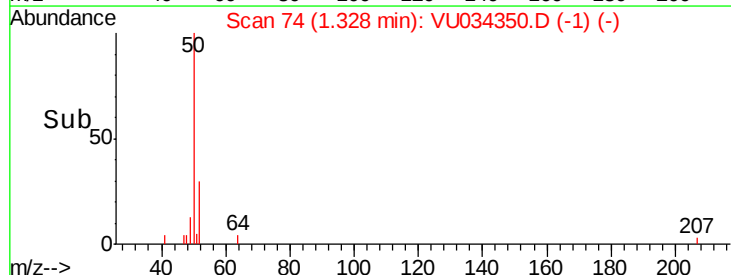
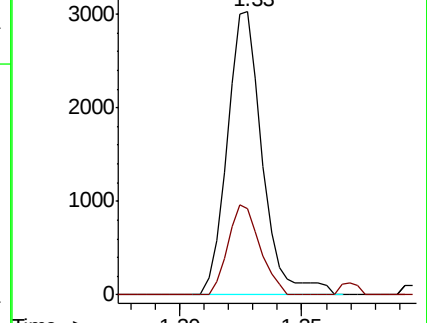
50 100

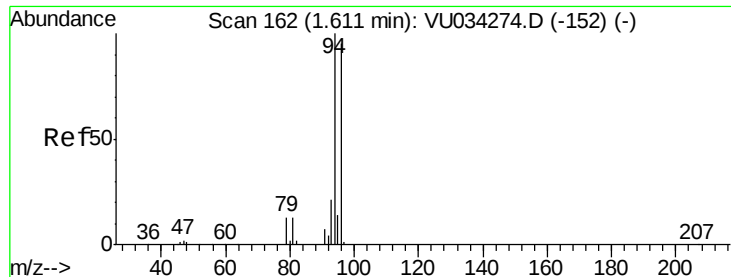
52 30.5 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VU034274.D (-64) (-)

Ion 51.90 (51.60 to 52.60): VU034350.D (-1) (-)





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.02 min

Lab File: VU034350.D

Acq: 06 Sep 2019 23:32

Instrument :

MSVOA_U

ClientSampleId :

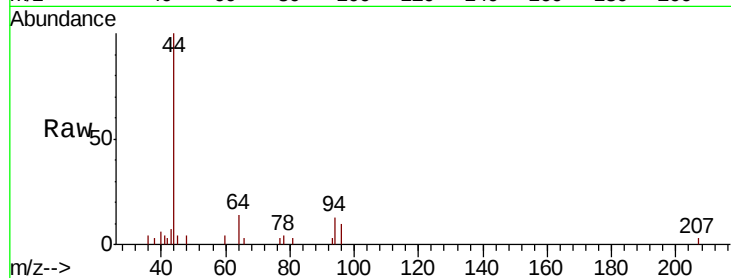
OUTFALL001-190903

Tgt Ion: 94 Resp: 867

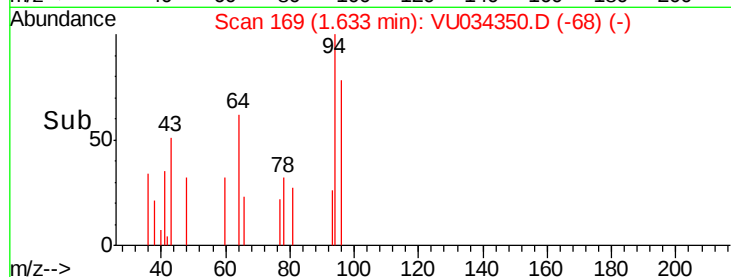
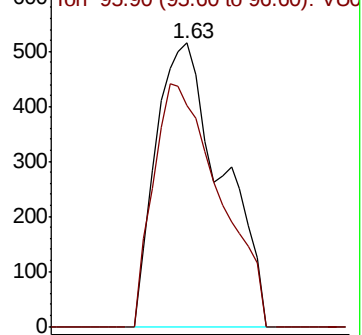
Ion Ratio Lower Upper

94 100

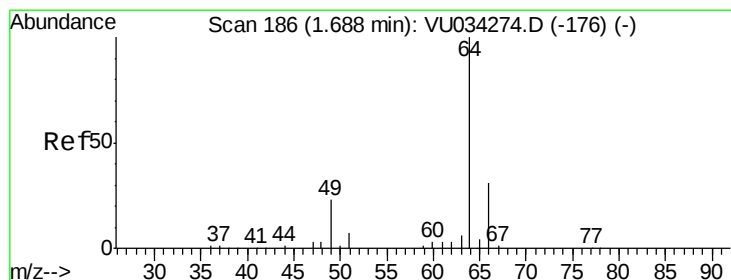
96 77.9 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU034350.D

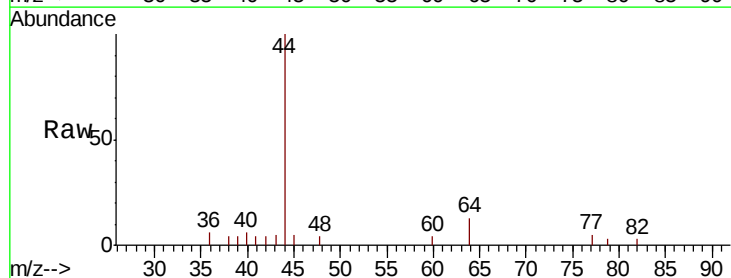
Acq: 06 Sep 2019 23:32

Tgt Ion: 64 Resp: 94

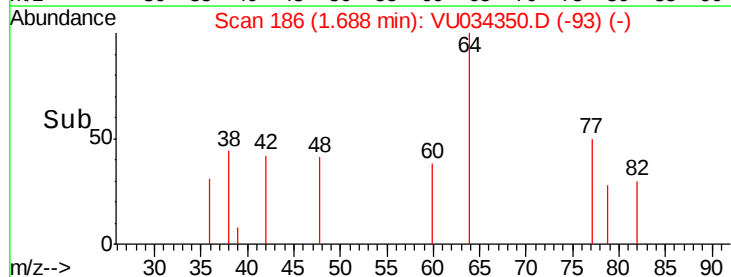
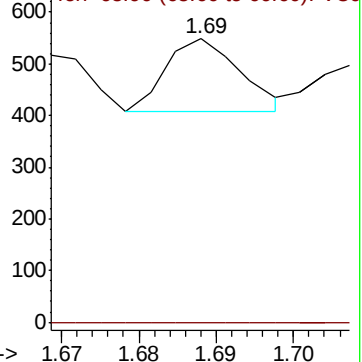
Ion Ratio Lower Upper

64 100

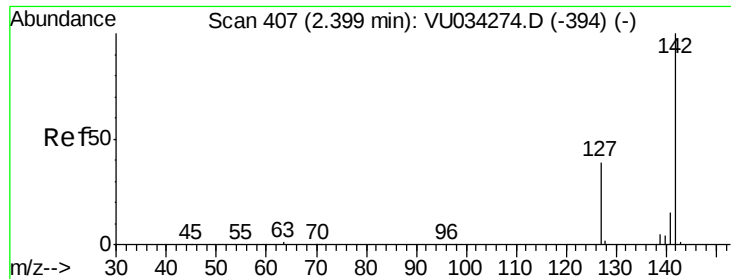
66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)



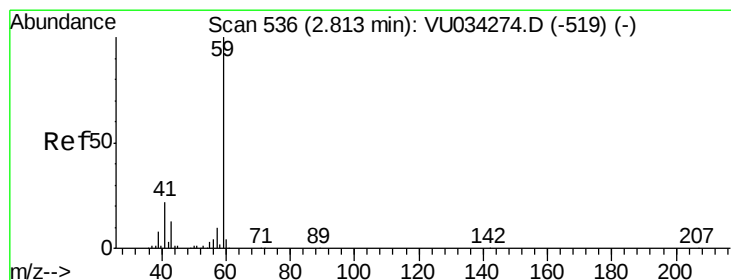
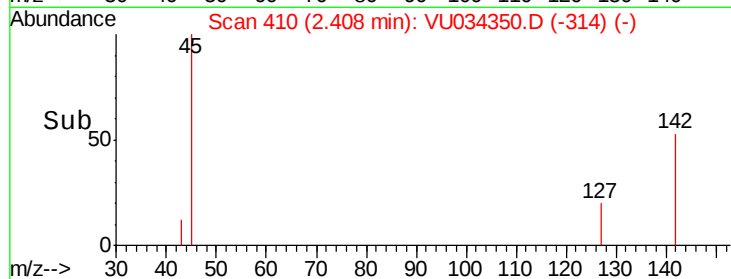
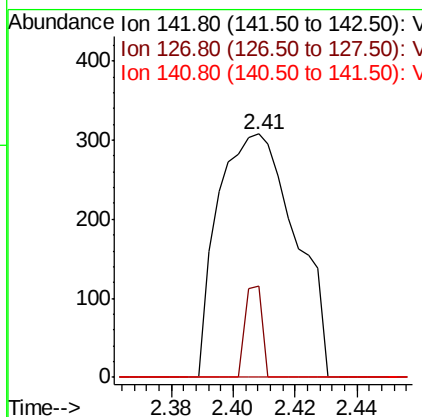
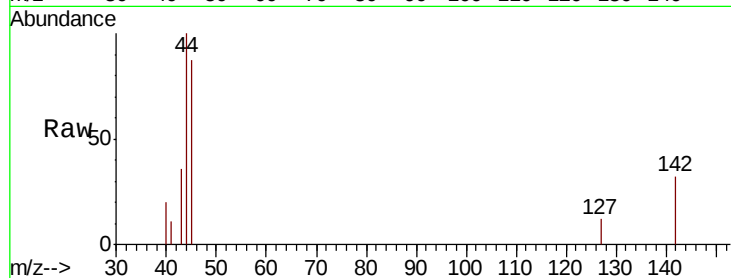
Time-->



#10
Methyl Iodide
Concen: 4.004 ug/l
RT: 2.41 min Scan# 410
Delta R.T. 0.01 min
Lab File: VU034350.D
Acq: 06 Sep 2019 23:32

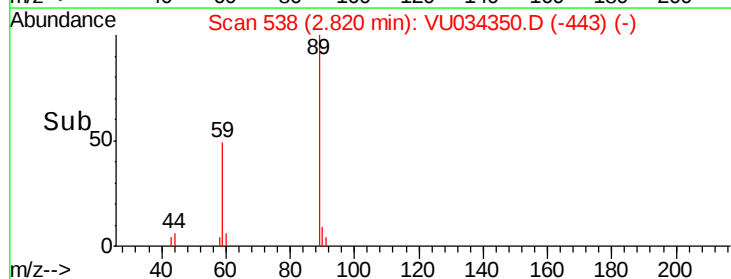
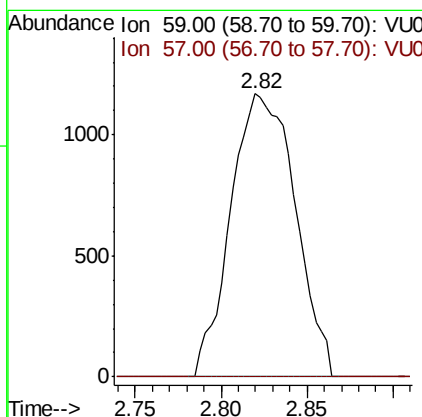
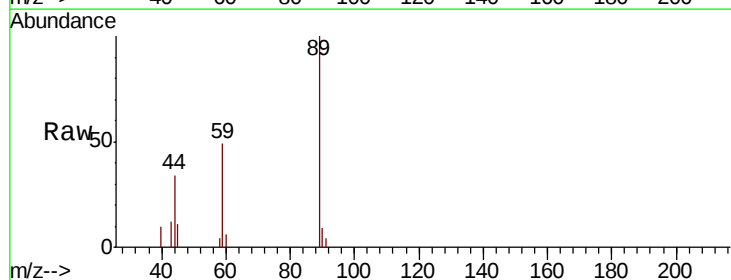
Instrument :
MSVOA_U
ClientSampleId :
OUTFALL001-190903

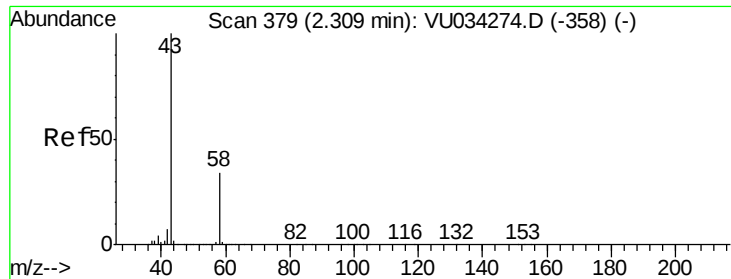
Tgt Ion: 142 Resp: 534
Ion Ratio Lower Upper
142 100
127 8.2 32.1 48.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 3.232 ug/l
RT: 2.82 min Scan# 538
Delta R.T. 0.01 min
Lab File: VU034350.D
Acq: 06 Sep 2019 23:32

Tgt Ion: 59 Resp: 3049
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#16

Acetone

Concen: 2.864 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034350.D

Acq: 06 Sep 2019 23:32

Instrument :

MSVOA_U

ClientSampleId :

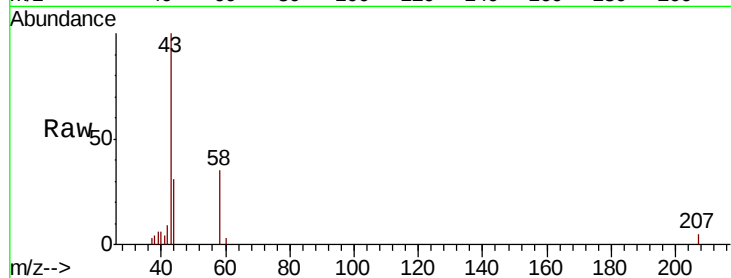
OUTFALL001-190903

Tgt Ion: 43 Resp: 6618

Ion Ratio Lower Upper

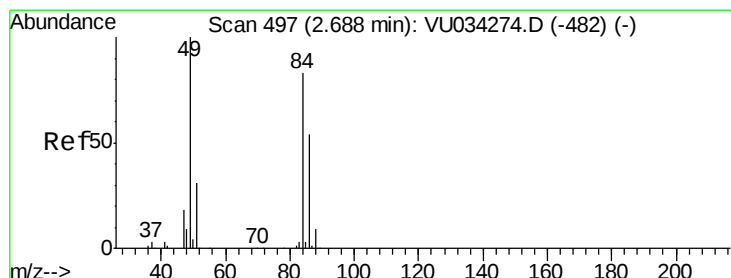
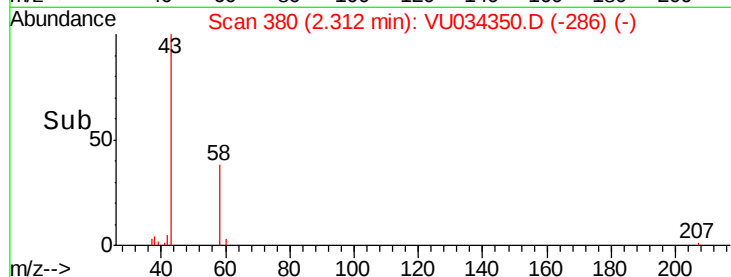
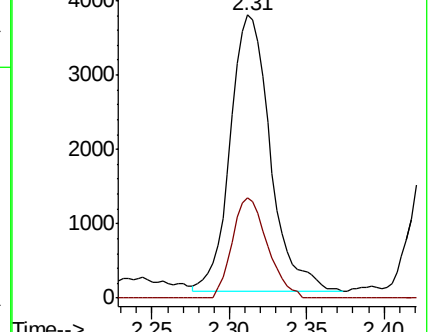
43 100

58 36.3 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034350.D (-380) (-)

Ion 58.00 (57.70 to 58.70): VU034350.D (-380) (-)



#20

Methylene Chloride

Concen: Below Cal

RT: 2.69 min Scan# 498

Delta R.T. 0.00 min

Lab File: VU034350.D

Acq: 06 Sep 2019 23:32

Tgt Ion: 84 Resp: 266

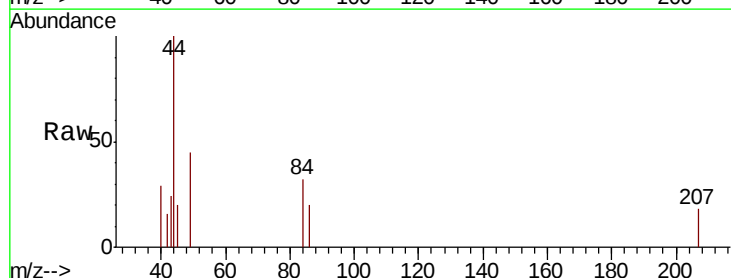
Ion Ratio Lower Upper

84 100

49 141.1 96.0 144.0

51 0.0 30.0 45.0#

86 62.1 51.4 77.0

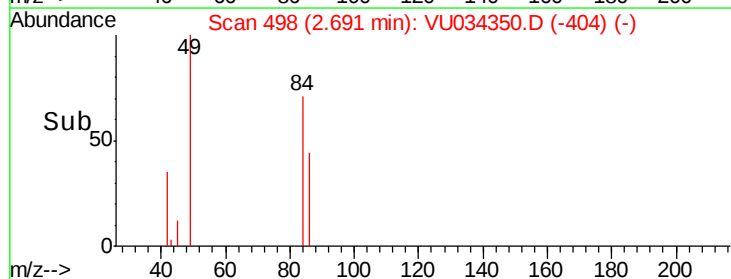
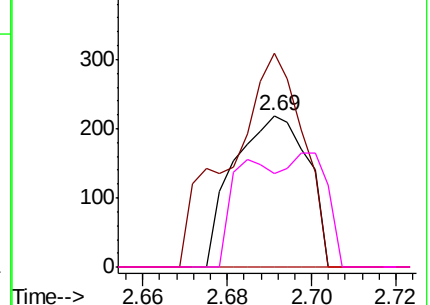


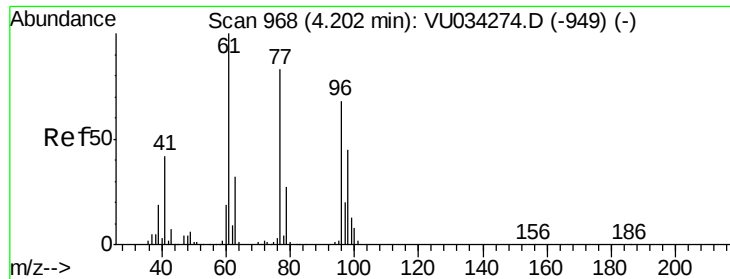
Abundance Ion 83.90 (83.60 to 84.60): VU034350.D (-498) (-)

Ion 48.90 (48.60 to 49.60): VU034350.D (-498) (-)

Ion 50.90 (50.60 to 51.60): VU034350.D (-498) (-)

Ion 85.90 (85.60 to 86.60): VU034350.D (-498) (-)



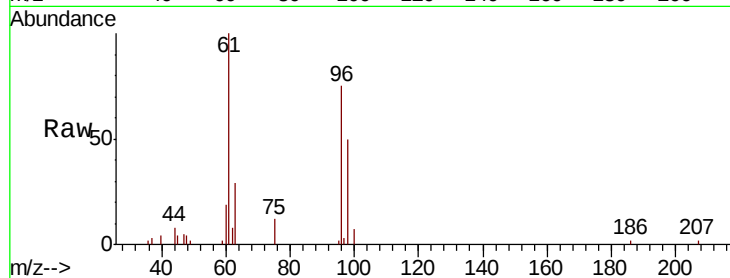


#27

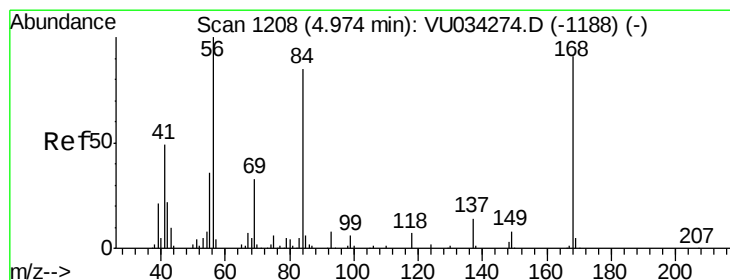
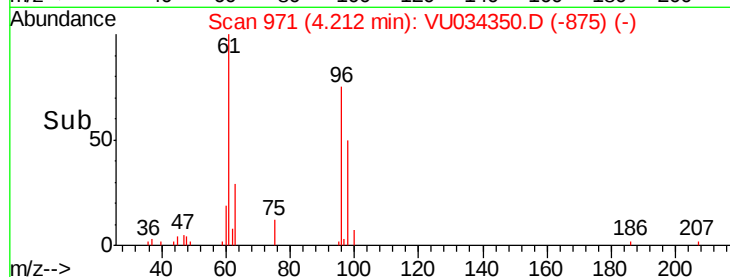
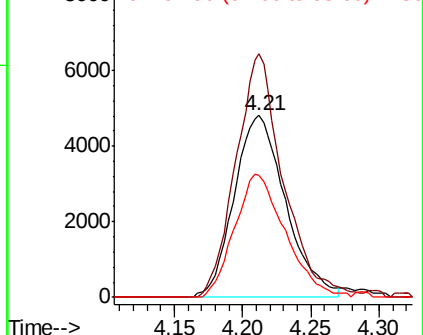
cis-1,2-Dichloroethene
 Concen: 3.064 ug/l
 RT: 4.21 min Scan# 971
 Delta R.T. 0.01 min
 Lab File: VU034350.D
 Acq: 06 Sep 2019 23:32

Instrument :
 MSVOA_U
 ClientSampleId :
 OUTFALL001-190903

Tgt Ion: 96 Resp: 12591
 Ion Ratio Lower Upper
 96 100
 61 123.9 0.0 297.4
 98 66.8 0.0 130.0



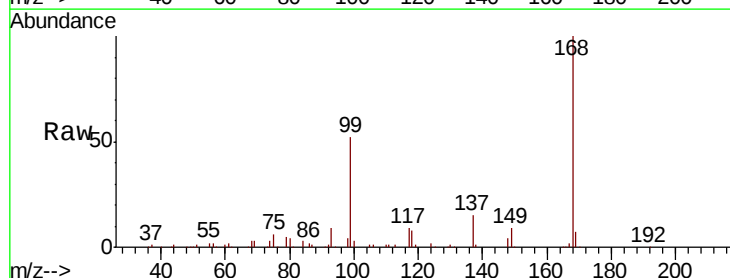
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



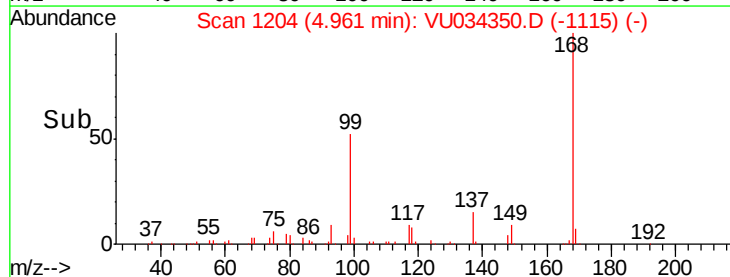
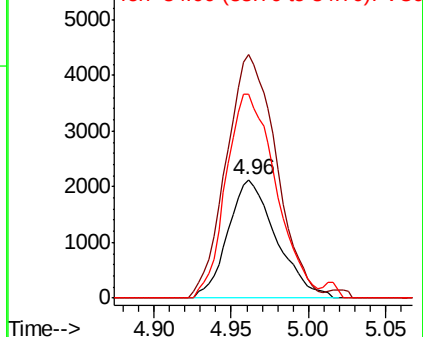
#31

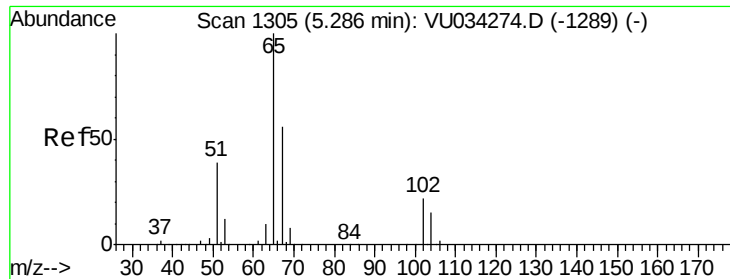
Cyclohexane
 Concen: 0.884 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: VU034350.D
 Acq: 06 Sep 2019 23:32

Tgt Ion: 56 Resp: 4625
 Ion Ratio Lower Upper
 56 100
 69 205.3 26.7 40.1#
 84 171.4 68.2 102.4#



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

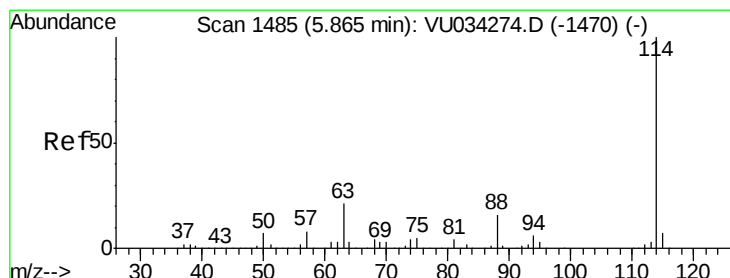
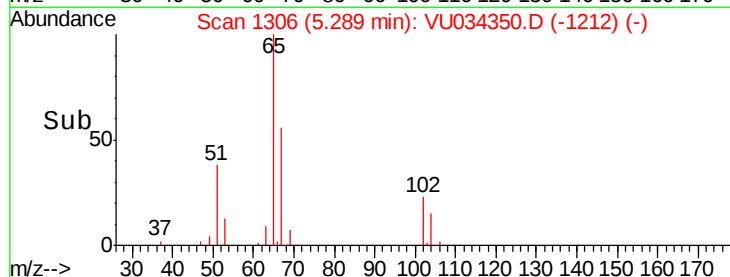
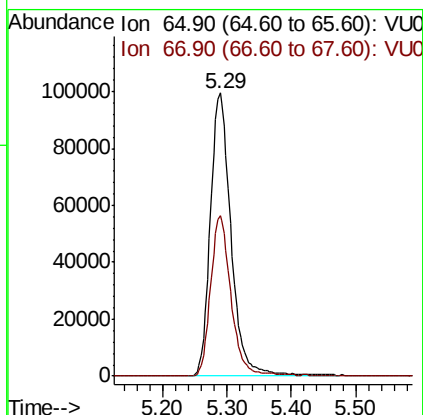
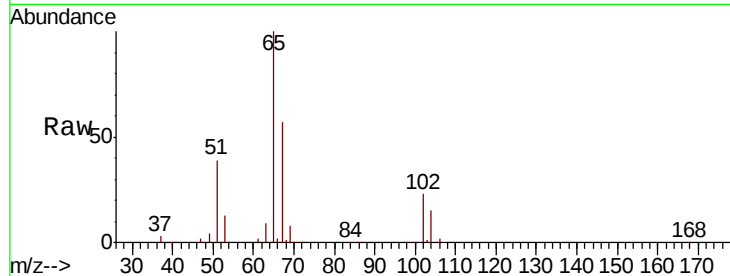




#33
 1,2-Dichloroethane-d4
 Concen: 49.708 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034350.D
 Acq: 06 Sep 2019 23:32

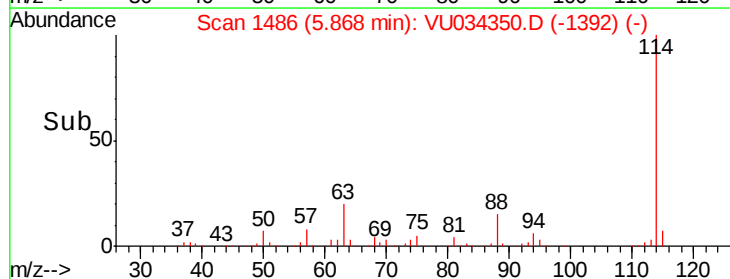
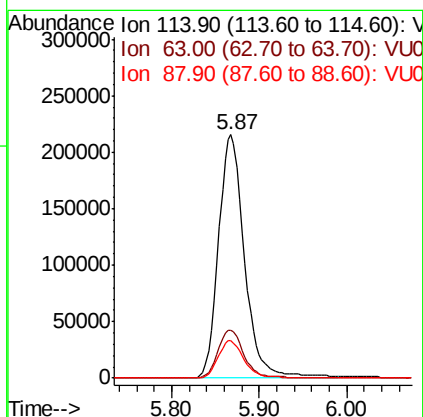
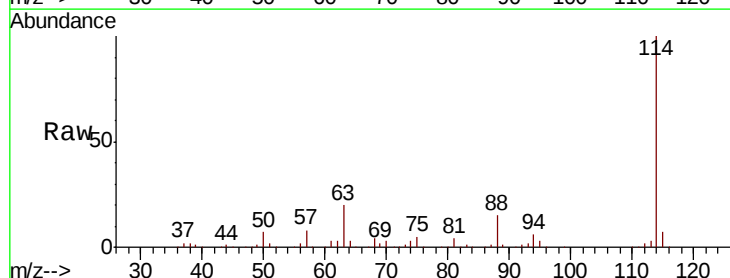
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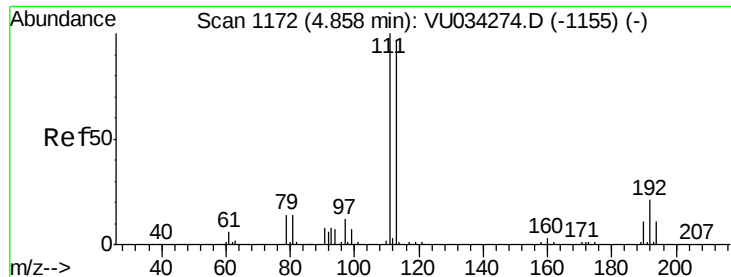
Tgt Ion: 65 Resp: 221969
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034350.D
 Acq: 06 Sep 2019 23:32

Tgt Ion: 114 Resp: 445922
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.4
 88 15.3 0.0 32.4

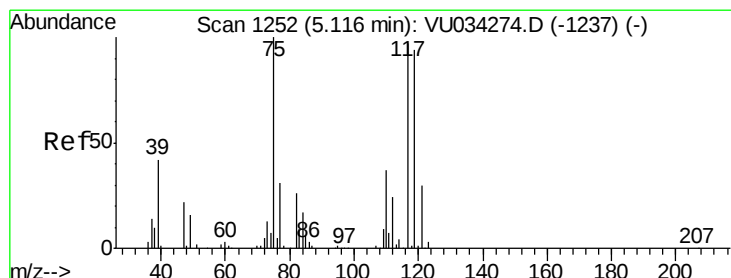
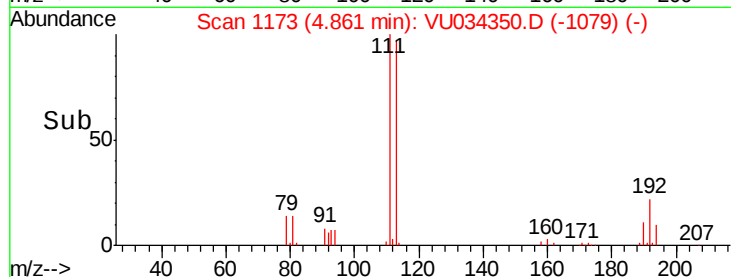
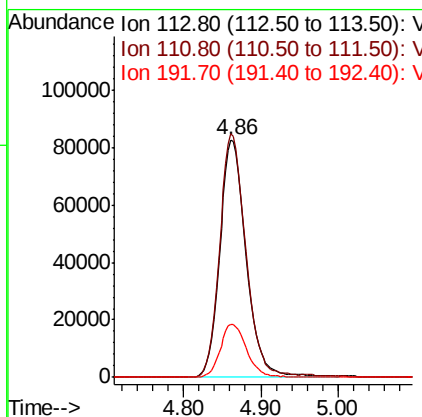
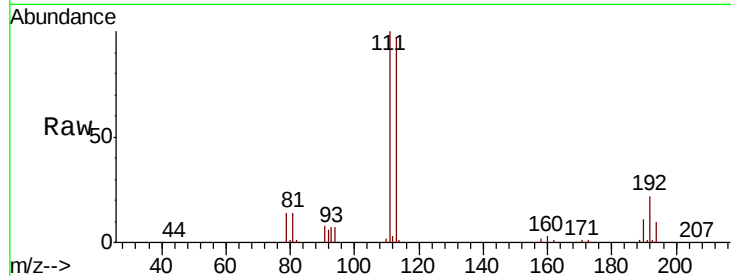




#35
 Dibromofluoromethane
 Concen: 47.275 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034350.D
 Acq: 06 Sep 2019 23:32

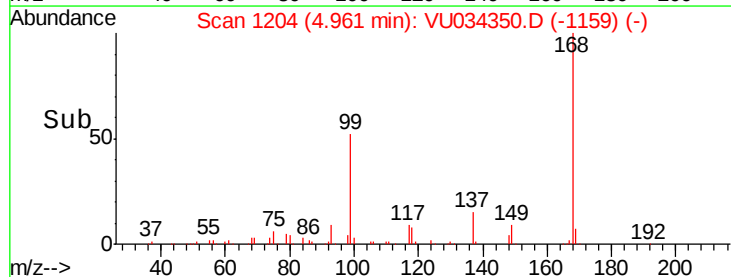
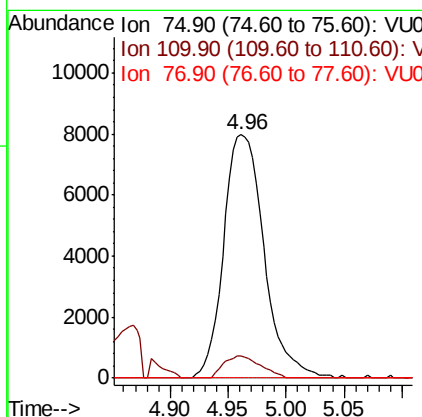
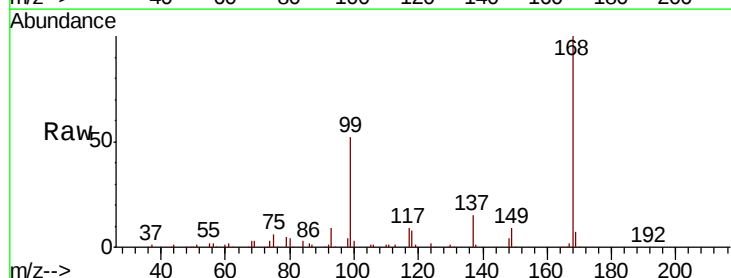
Instrument :
 MSVOA_U
 ClientSampleId :
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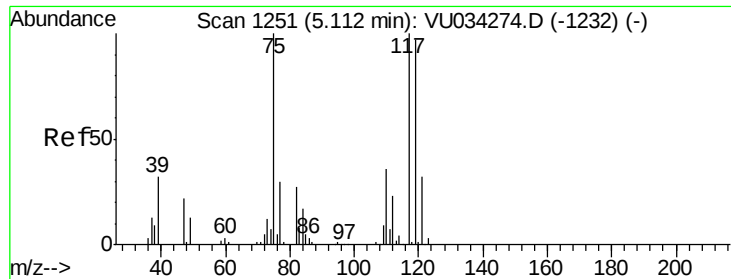
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.5	122.3
192	22.1	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.000 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034350.D
 Acq: 06 Sep 2019 23:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.3	54.9#
77	0.0	24.9	37.3#

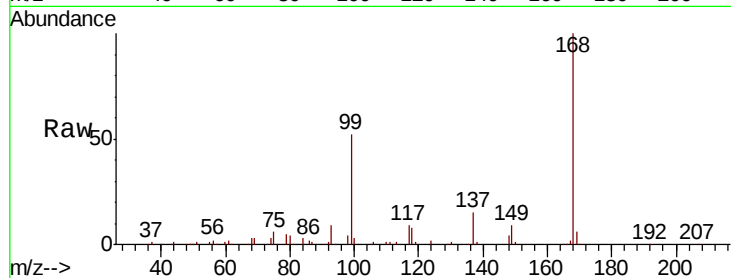




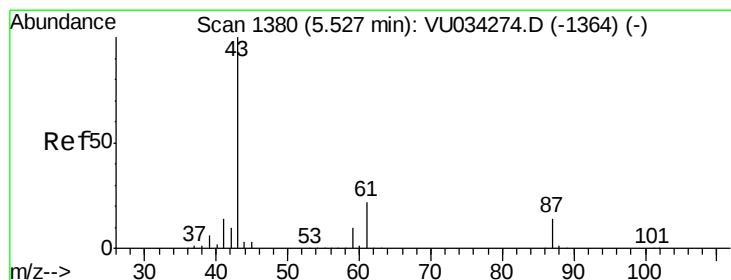
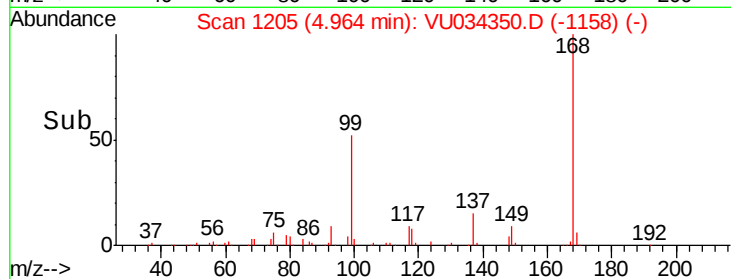
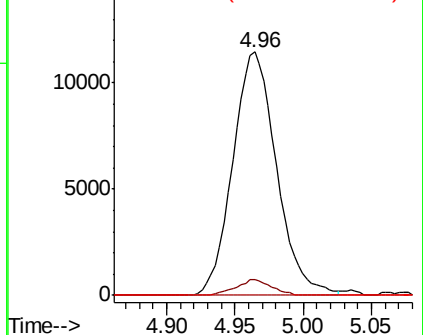
#38
Carbon Tetrachloride
Concen: 4.951 ug/l
RT: 4.96 min Scan# 1205
Delta R.T. -0.15 min
Lab File: VU034350.D
Acq: 06 Sep 2019 23:32

Instrument :
MSVOA_U
ClientSampleId :
OUTFALL001-190903

Tgt Ion: 117 Resp: 25563
Ion Ratio Lower Upper
117 100
119 6.7 77.8 116.6#
121 0.0 25.2 37.8#

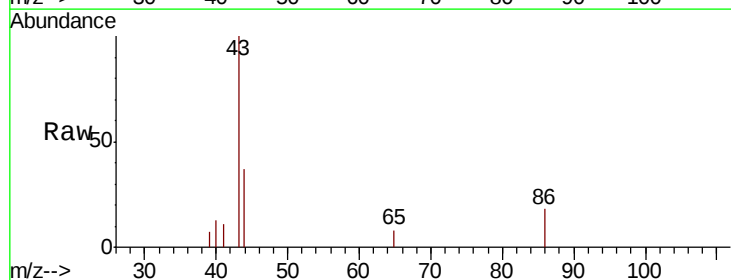


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

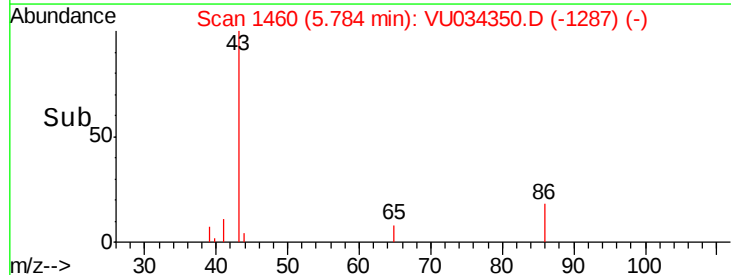
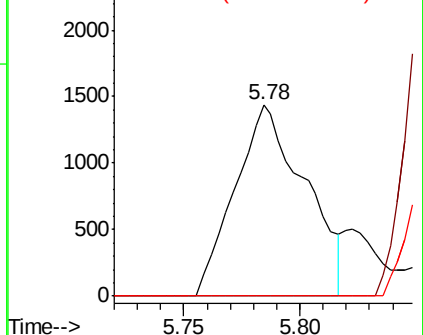


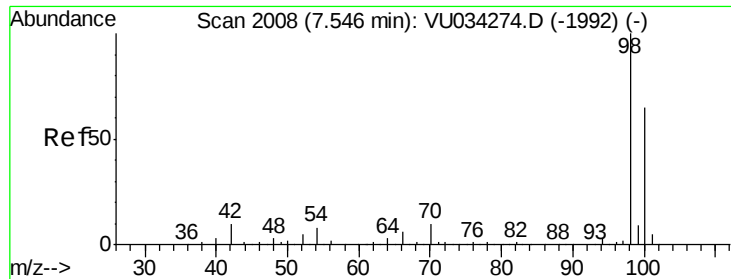
#43
Isopropyl Acetate
Concen: 0.339 ug/l
RT: 5.78 min Scan# 1460
Delta R.T. 0.26 min
Lab File: VU034350.D
Acq: 06 Sep 2019 23:32

Tgt Ion: 43 Resp: 3022
Ion Ratio Lower Upper
43 100
61 0.0 17.1 25.7#
87 0.0 11.1 16.7#



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

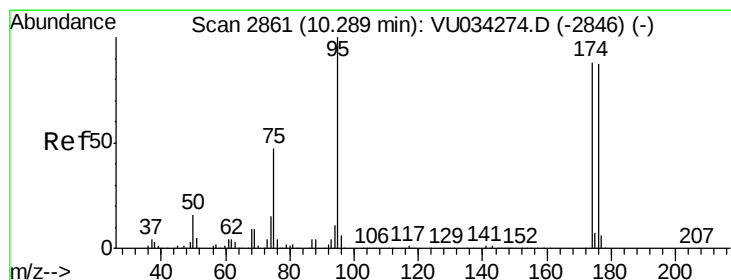
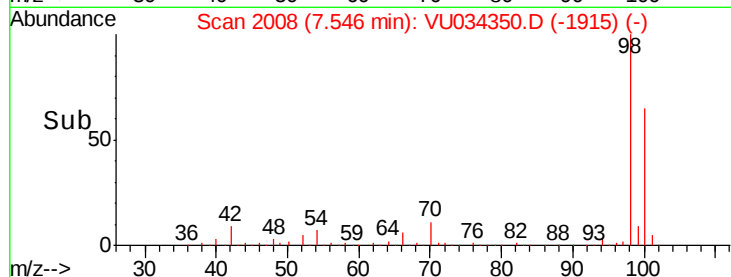
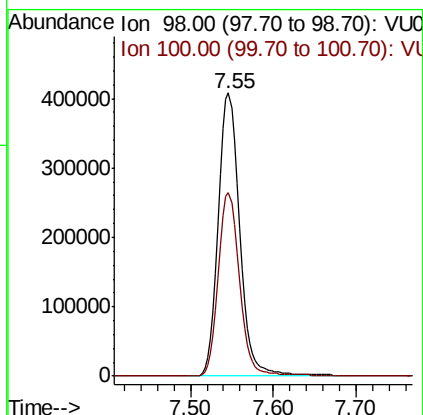
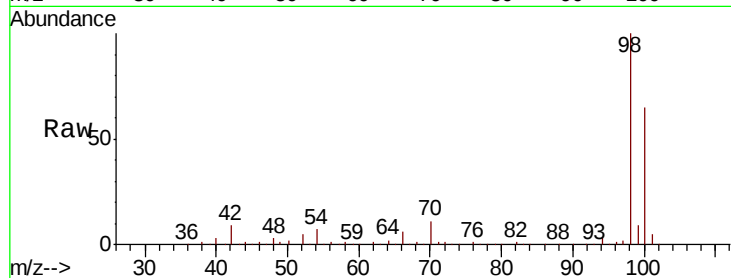




#50
Toluene-d8
Concen: 46.953 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034350.D
Acq: 06 Sep 2019 23:32

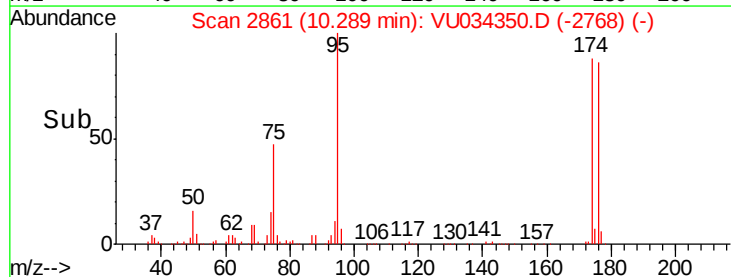
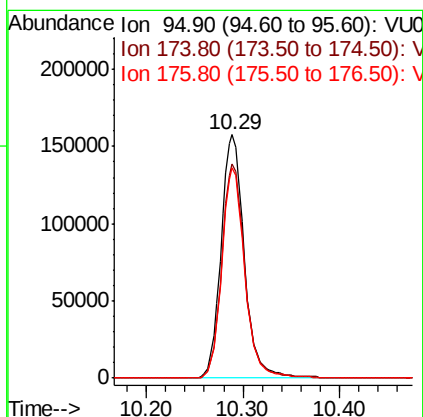
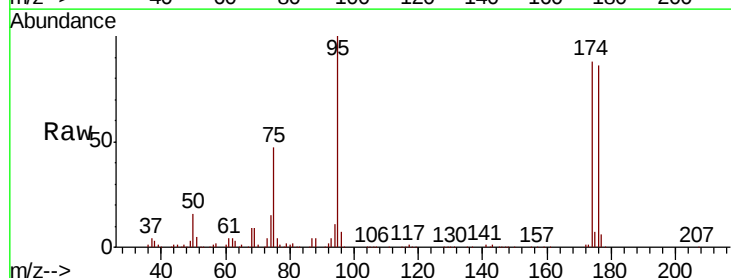
Instrument :
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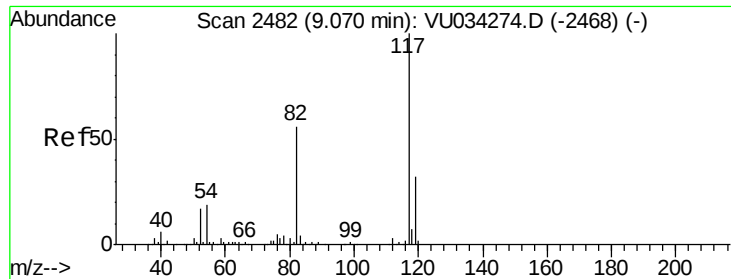
Tgt Ion: 98 Resp: 731950
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 43.551 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU034350.D
Acq: 06 Sep 2019 23:32

Tgt Ion: 95 Resp: 262124
Ion Ratio Lower Upper
95 100
174 88.4 0.0 175.2
176 86.0 0.0 168.0

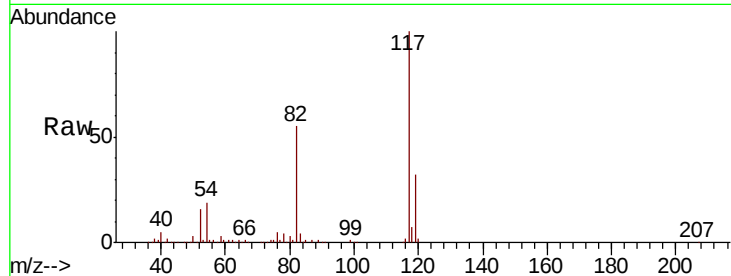




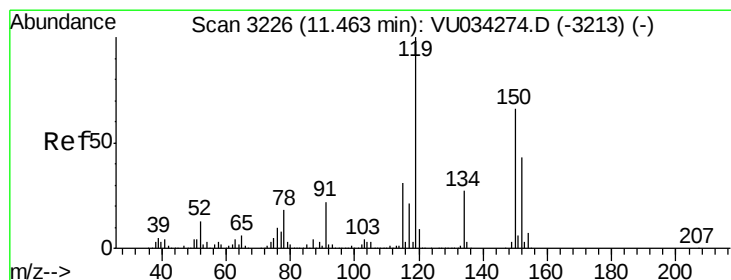
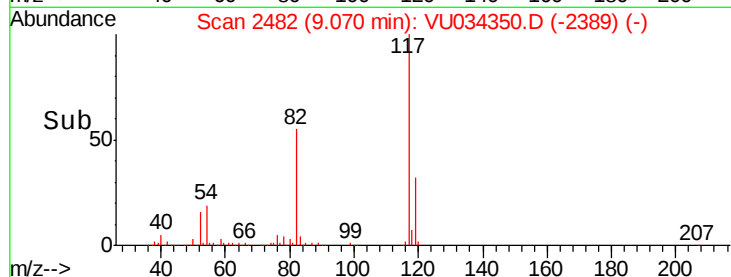
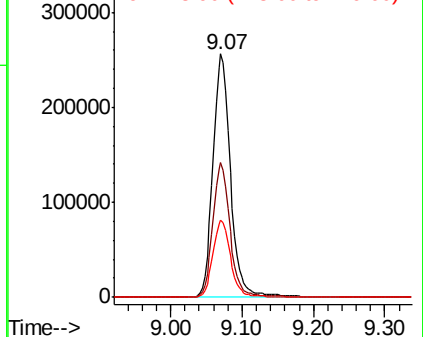
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034350.D
Acq: 06 Sep 2019 23:32

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:117 Resp: 439148
Ion Ratio Lower Upper
117 100
82 55.2 44.6 67.0
119 31.9 25.9 38.9

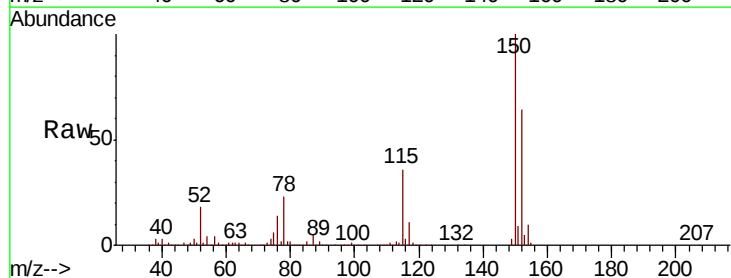


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

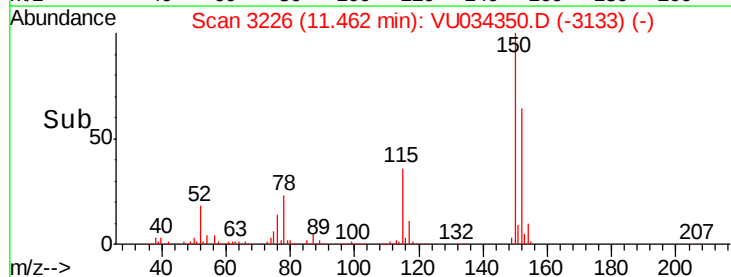
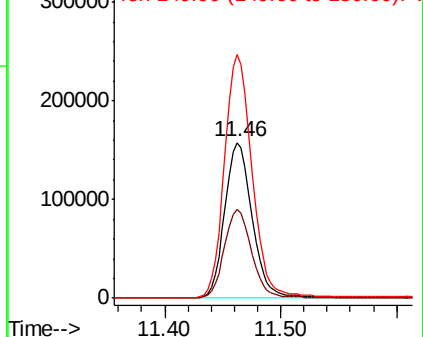


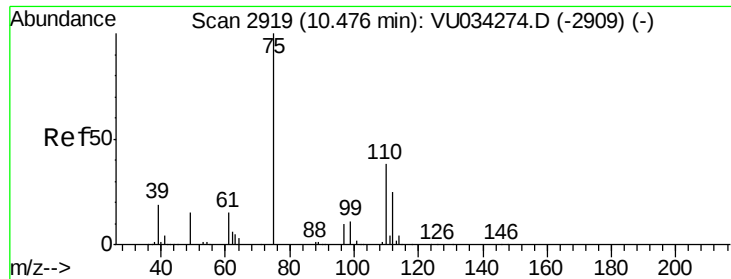
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034350.D
Acq: 06 Sep 2019 23:32

Tgt Ion:152 Resp: 258389
Ion Ratio Lower Upper
152 100
115 57.1 39.1 117.3
150 156.8 0.0 345.4



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: 21.449 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034350.D

Acq: 06 Sep 2019 23:32

Instrument :

MSVOA_U

ClientSampleId :

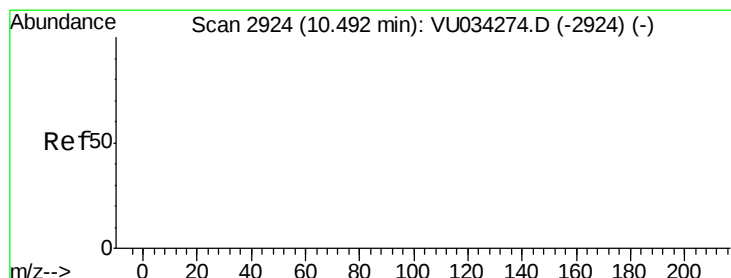
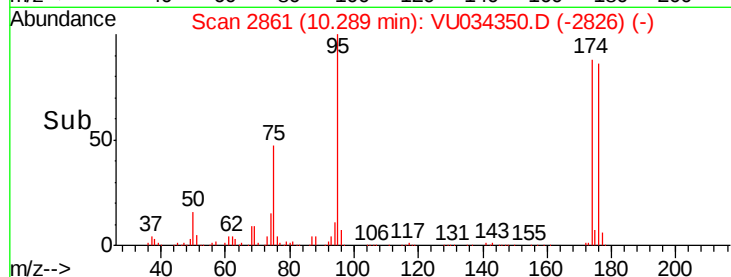
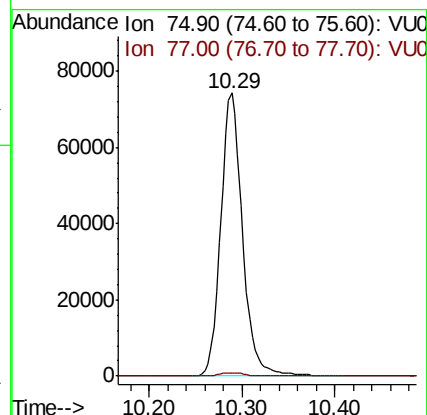
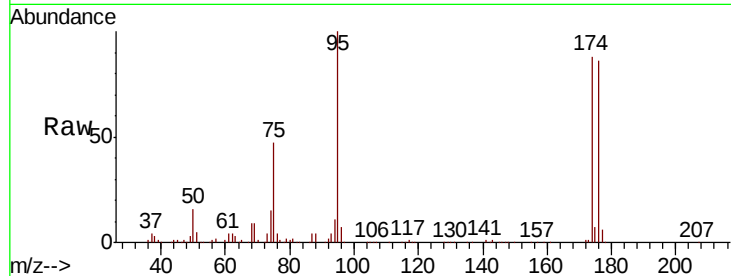
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Tgt Ion: 75 Resp: 120976

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.132 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU034350.D

Acq: 06 Sep 2019 23:32

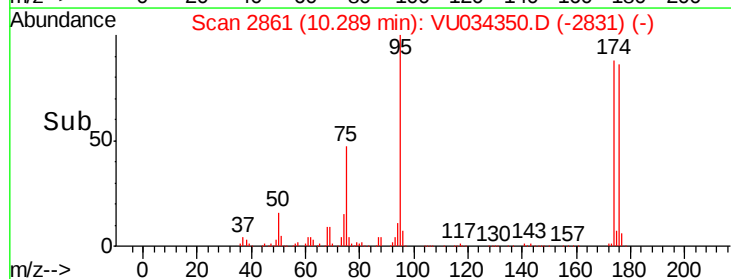
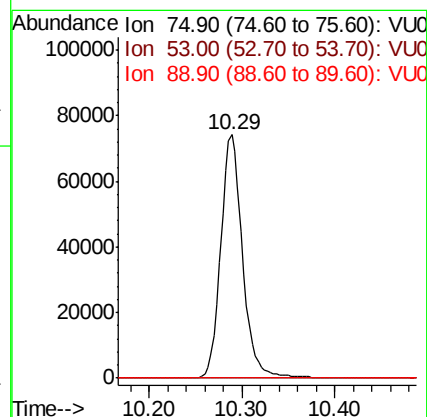
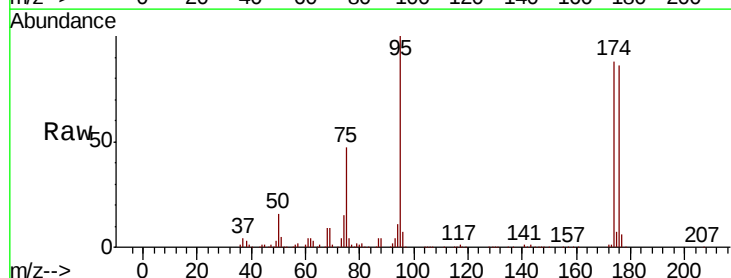
Tgt Ion: 75 Resp: 120976

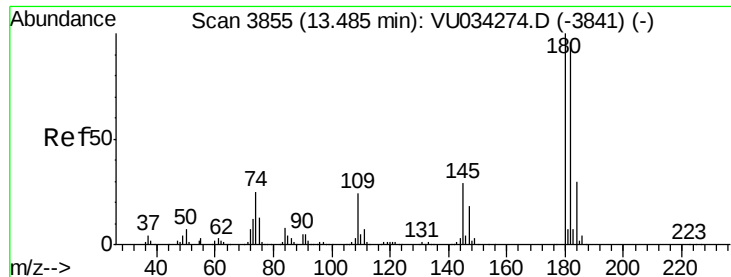
Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

89 0.0 0.0 0.0

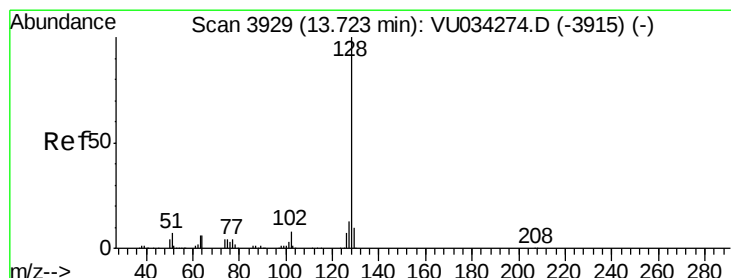
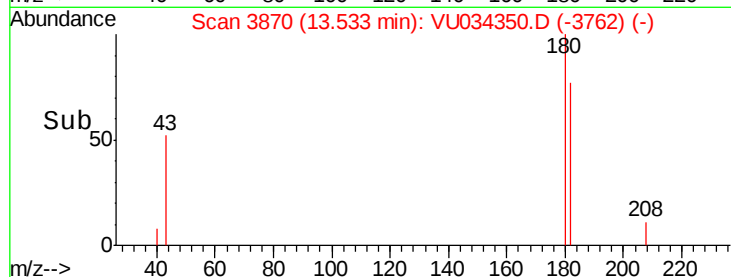
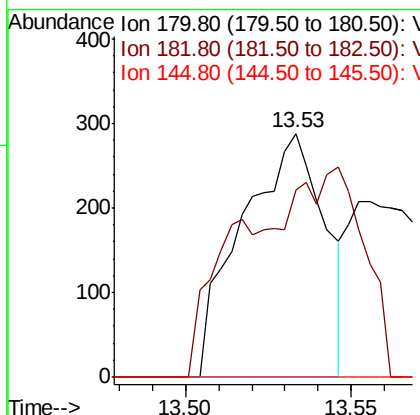
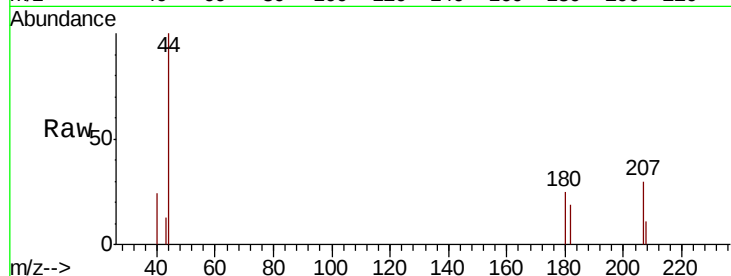




#93
 1,2,4-Trichlorobenzene
 Concen: 3.527 ug/l
 RT: 13.53 min Scan# 3870
 Delta R.T. 0.05 min
 Lab File: VU034350.D
 Acq: 06 Sep 2019 23:32

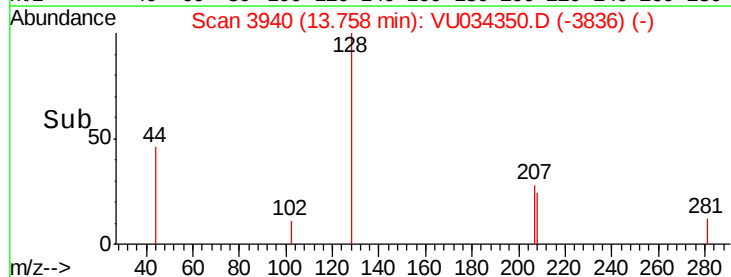
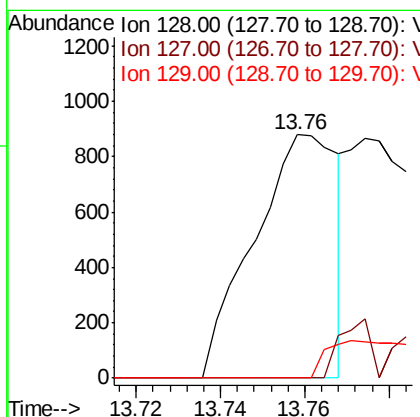
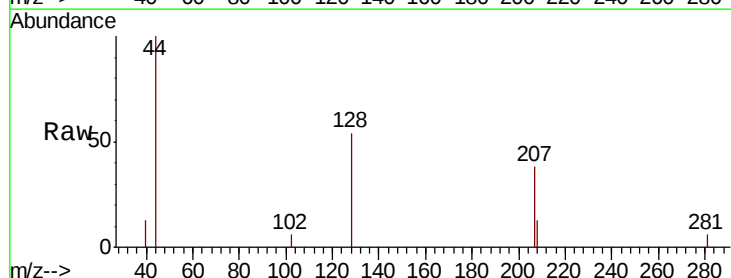
Instrument :
 MSVOA_U
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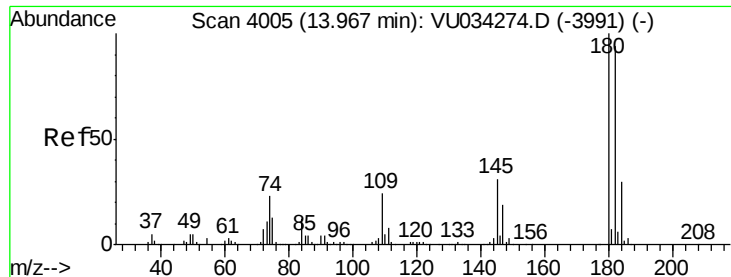
Tgt Ion	Ratio	Lower	Upper
180	100		
182	69.1	47.9	143.8
145	0.0	14.4	43.0#



#95
 Naphthalene
 Concen: 4.031 ug/l
 RT: 13.76 min Scan# 3940
 Delta R.T. 0.04 min
 Lab File: VU034350.D
 Acq: 06 Sep 2019 23:32

Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.6	10.6	15.8#
129	13.7	8.4	12.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.724 ug/l
 RT: 14.00 min Scan# 4015
 Delta R.T. 0.03 min
 Lab File: VU034350.D
 Acq: 06 Sep 2019 23:32

Instrument :
 MSVOA_U
 ClientSampleId :
 OUTFALL001-190903

Tgt Ion:180 Resp: 531
 Ion Ratio Lower Upper
 180 100
 182 61.6 48.4 145.0
 145 13.7 15.4 46.4#

