

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025179.D
 Acq On : 03 Jul 2018 07:05
 Operator : MD/SY
 Sample : J3809-16MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MSD

Manual Integrations
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Quant Time: Jul 03 08:18:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	172318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	267444	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	257870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	160506	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	130510	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
35) Dibromofluoromethane	4.89	113	110453	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
50) Toluene-d8	7.57	98	355389	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	
62) 4-Bromofluorobenzene	10.31	95	152093	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	90345	41.89	ug/l	99
3) Chloromethane	1.33	50	105565	47.91	ug/l	98
4) Vinyl Chloride	1.40	62	111588	49.10	ug/l	98
5) Bromomethane	1.62	94	62636	57.02	ug/l	99
6) Chloroethane	1.69	64	72193	57.00	ug/l	98
7) Trichlorofluoromethane	1.88	101	169119	48.76	ug/l	99
8) Diethyl Ether	2.10	74	67198	57.21	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.28	101	102176	47.49	ug/l	97
10) Methyl Iodide	2.41	142	125370	66.86	ug/l	99
11) Tert butyl alcohol	2.83	59	213771	312.45	ug/l	99
12) 1,1-Dichloroethene	2.28	96	102013	51.99	ug/l	95
13) Acrolein	2.19	56	25453	70.84	ug/l #	1
14) Allyl chloride	2.59	41	159666	43.83	ug/l	99
15) Acrylonitrile	2.93	53	370253	278.15	ug/l	99
16) Acetone	2.32	43	399351	264.21	ug/l	98
17) Carbon Disulfide	2.48	76	271887	43.28	ug/l	99
18) Methyl Acetate	2.62	43	200045	61.74	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	486431	65.95	ug/l #	81
20) Methylene Chloride	2.70	84	120404	50.77	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	111779	51.72	ug/l	98
22) Diisopropyl ether	3.57	45	388271	53.76	ug/l	98
23) Vinyl Acetate	3.53	43	1433516	221.59	ug/l	98
24) 1,1-Dichloroethane	3.45	63	219418	52.81	ug/l	98
25) 2-Butanone	4.26	43	568136	279.83	ug/l	98
26) 2,2-Dichloropropane	4.23	77	98657	25.01	ug/l	94
27) cis-1,2-Dichloroethene	4.23	96	132072	53.16	ug/l	92
28) Bromochloromethane	4.55	49	77398	42.30	ug/l #	83
29) Tetrahydrofuran	4.64	42	341922	271.95	ug/l	97
30) Chloroform	4.68	83	234972	55.88	ug/l	99
31) Cyclohexane	5.00	56	261399	71.71	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	207088	53.26	ug/l	96
36) 1,1-Dichloropropene	5.14	75	164335	52.29	ug/l	98
37) Ethyl Acetate	4.38	43	174336	50.90	ug/l	98
38) Carbon Tetrachloride	5.14	117	182802	52.90	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	324239	82.68	ug/l	95
40) Benzene	5.39	78	1449996	161.92	ug/l	100
41) Methacrylonitrile	4.54	41	107534	58.23	ug/l	97
42) 1,2-Dichloroethane	5.41	62	200909	58.91	ug/l	98
43) Isopropyl Acetate	5.55	43	331480	55.99	ug/l	98
44) Trichloroethene	6.19	130	136711	53.64	ug/l	92
45) 1,2-Dichloropropane	6.44	63	130791	54.74	ug/l	98
46) Dibromomethane	6.56	93	94910	56.55	ug/l	94
47) Bromodichloromethane	6.76	83	179500	53.71	ug/l	99
48) Methyl methacrylate	6.63	41	186193	64.58	ug/l	93
49) 1,4-Dioxane	6.62	88	75218	1334.08	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	1044907	280.91	ug/l	98
52) Toluene	7.64	92	637474	110.65	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	179423	47.81	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	186805	46.71	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	203009	86.69	ug/l	87
56) Ethyl methacrylate	8.02	69	226630	57.82	ug/l	96
57) 1,3-Dichloropropane	8.25	76	220134	55.72	ug/l	99
59) 2-Hexanone	8.36	43	851034	280.24	ug/l	100
60) Dibromochloromethane	8.48	129	148760	50.94	ug/l	99
61) 1,2-Dibromoethane	8.59	107	145334	55.76	ug/l	99
64) Tetrachloroethene	8.23	164	119382	48.70	ug/l	98
65) Chlorobenzene	9.12	112	358188	54.37	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	133297	53.26	ug/l	97
67) Ethyl Benzene	9.26	91	12584125	1089.66	ug/l	95
68) m/p-Xylenes	9.39	106	5158376	1163.19	ug/l	94
69) o-Xylene	9.78	106	373994	85.21	ug/l	94
70) Stvrene	9.80	104	398785	55.29	ug/l	96
71) Bromoform	9.96	173	116081	48.80	ug/l	# 99
73) Isopropylbenzene	10.17	105	1406058	114.10	ug/l	99
74) N-amyl acetate	10.01	43	263795	45.01	ug/l	# 94
75) 1,1,2,2-Tetrachloroethane	10.46	83	220016	53.28	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	193946m	54.88	ug/l	
77) Bromobenzene	10.46	156	170972	54.80	ug/l	93
78) n-propylbenzene	10.59	91	3024578	208.36	ug/l	97
79) 2-Chlorotoluene	10.66	91	485169	56.68	ug/l	96
80) 1,3,5-Trimethylbenzene	10.78	105	629107	58.90	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	65801m	43.10	ug/l	
82) 4-Chlorotoluene	10.78	91	517183	51.91	ug/l	100
83) tert-Butylbenzene	11.11	119	529907	51.58	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	17433239m	1601.61	ug/l	
85) sec-Butylbenzene	11.33	105	802199	62.38	ug/l	96
86) p-Isopropyltoluene	11.48	119	704627	61.18	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	310418	53.86	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	313032	53.96	ug/l	99
89) n-Butylbenzene	11.89	91	700807m	68.53	ug/l	
90) Hexachloroethane	12.15	117	252910	112.56	ug/l	# 44
91) 1,2-Dichlorobenzene	11.88	146	320384	55.50	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	72631	63.74	ug/l	94
93) 1,2,4-Trichlorobenzene	13.51	180	225433	63.23	ug/l	96

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	86959	43.34	ug/l	99
95) Naphthalene	13.75	128	2835318	237.66	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	233634	65.77	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818MSD

Tot Ion:168 Resp: 172318

Ion Ratio Lower Upper

168 100

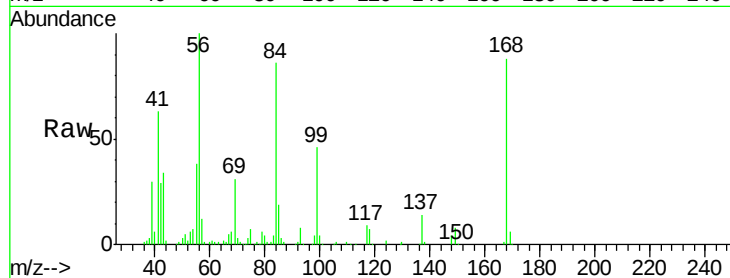
99 51.5 43.2 64.8

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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

80000

60000

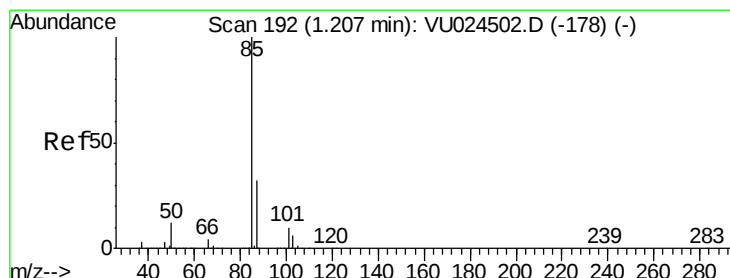
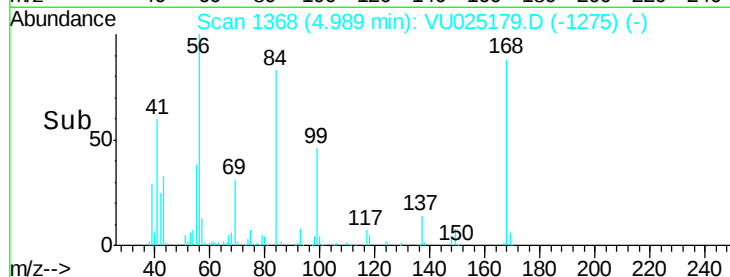
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.89 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025179.D

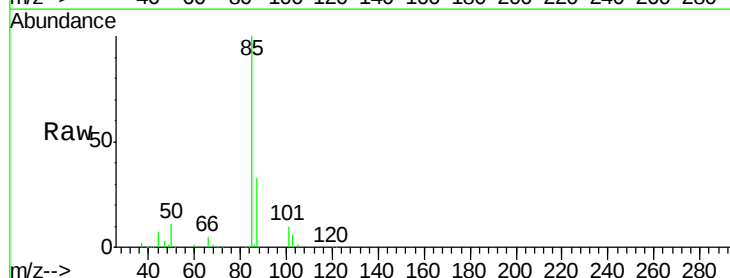
Acq: 03 Jul 2018 07:05

Tgt Ion: 85 Resp: 90345

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)

1.20

100000

80000

60000

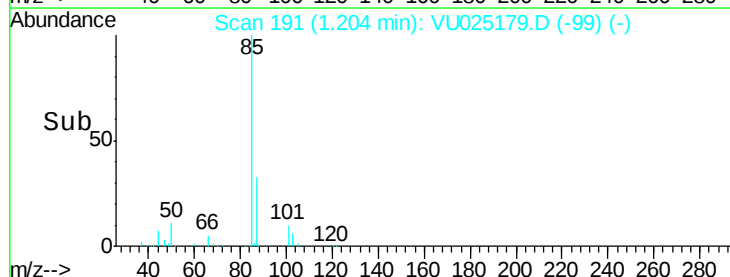
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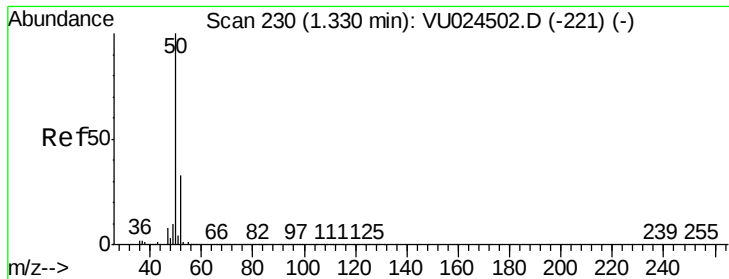
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 47.91 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818MSD

Tot Ion: 50 Resp: 105565

Ion Ratio Lower Upper

50 100

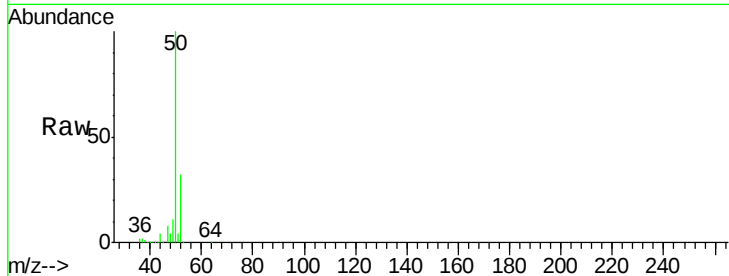
52 31.8 26.4 39.6

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

100000

80000

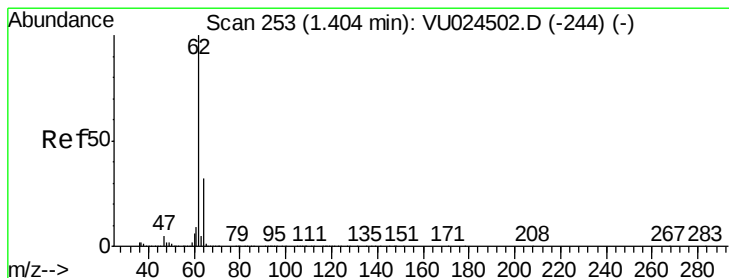
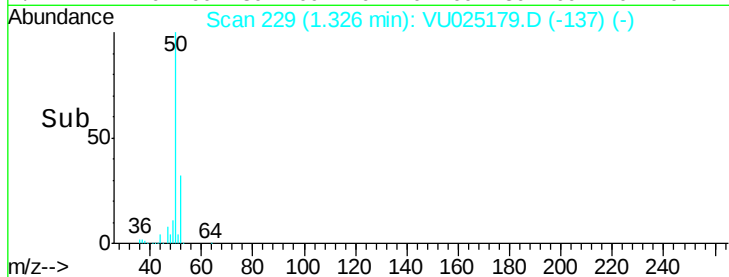
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 49.10 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025179.D

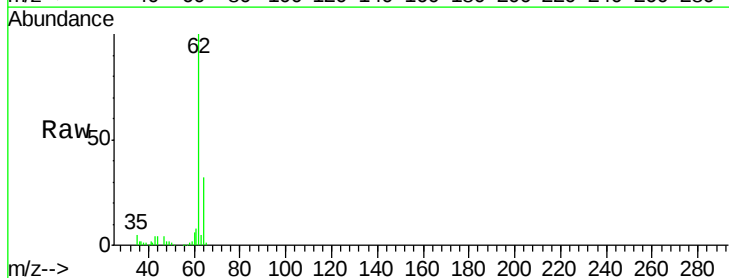
Acq: 03 Jul 2018 07:05

Tgt Ion: 62 Resp: 111588

Ion Ratio Lower Upper

62 100

64 31.9 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

120000

100000

80000

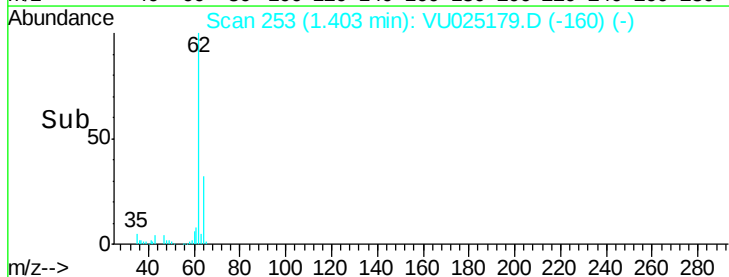
60000

40000

20000

0

Time-->





#5

Bromomethane

Concen: 57.02 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818MSD

Tot Ion: 94 Resp: 62636

Ion Ratio Lower Upper

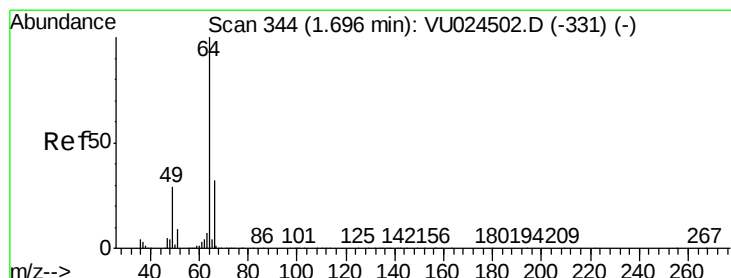
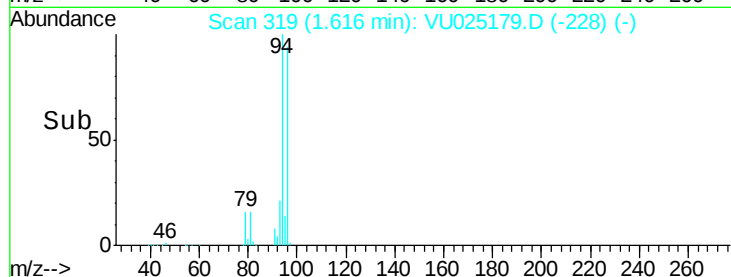
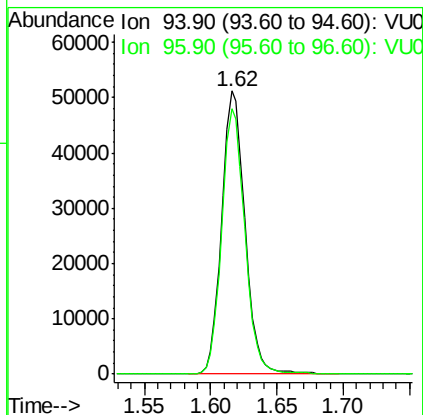
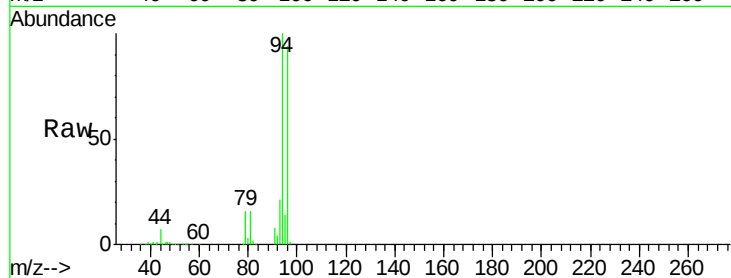
94 100

96 93.9 74.5 111.7

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#6

Chloroethane

Concen: 57.00 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025179.D

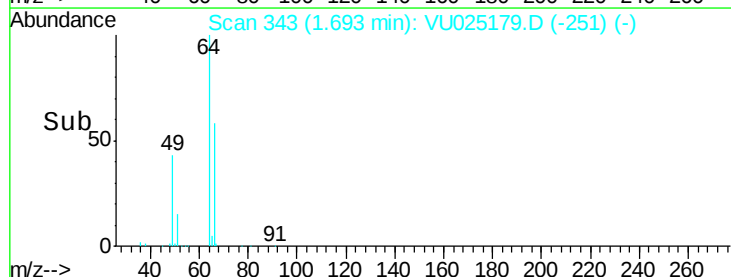
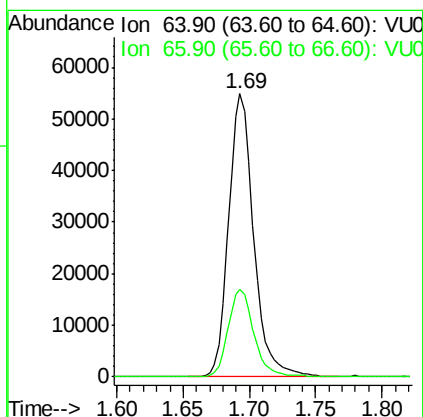
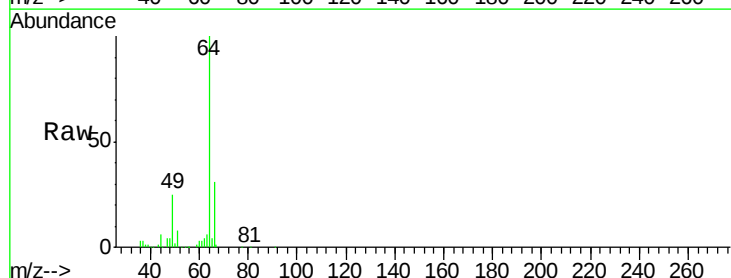
Acq: 03 Jul 2018 07:05

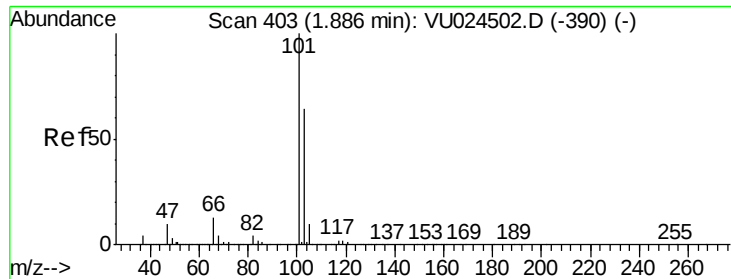
Tgt Ion: 64 Resp: 72193

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3





#7

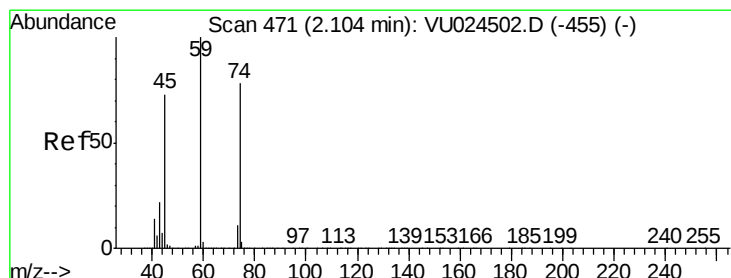
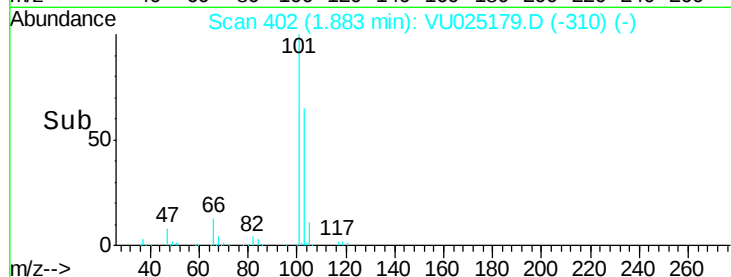
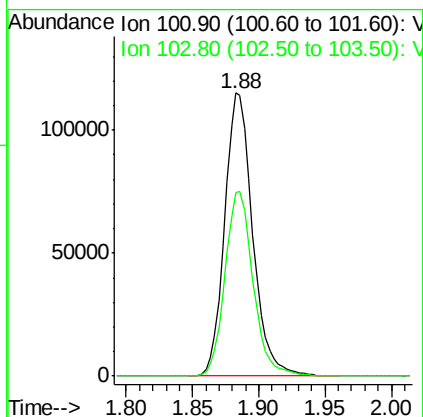
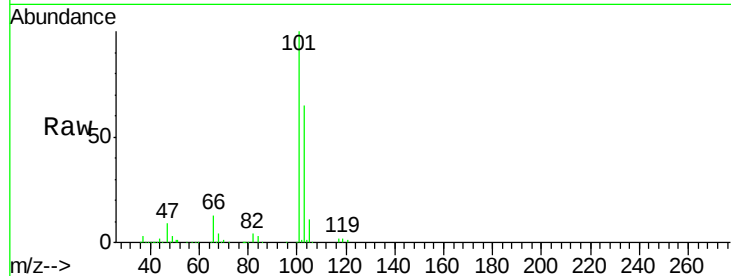
Trichlorofluoromethane
Concen: 48.76 ug/l
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU025179.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.3	78.5

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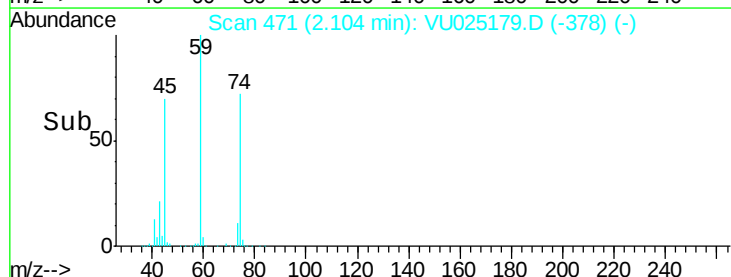
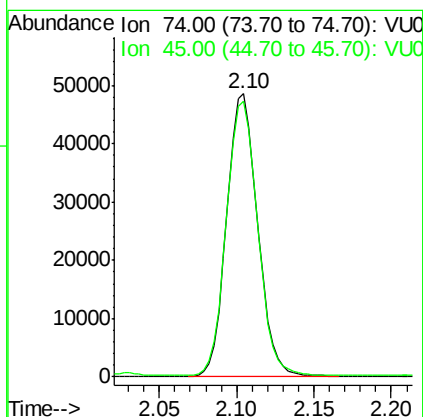
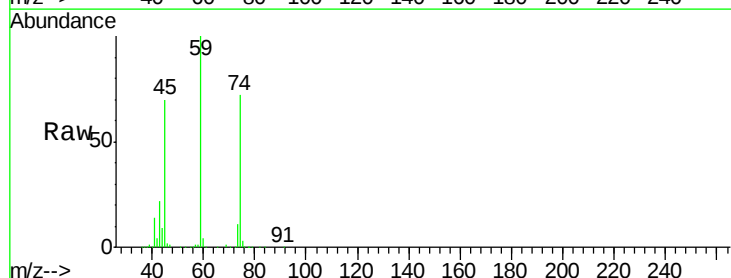
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#8

Diethyl Ether
Concen: 57.21 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.49 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

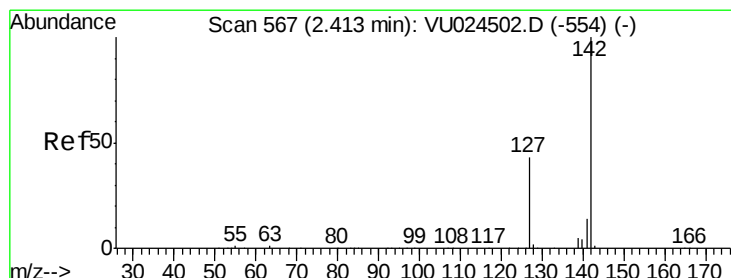
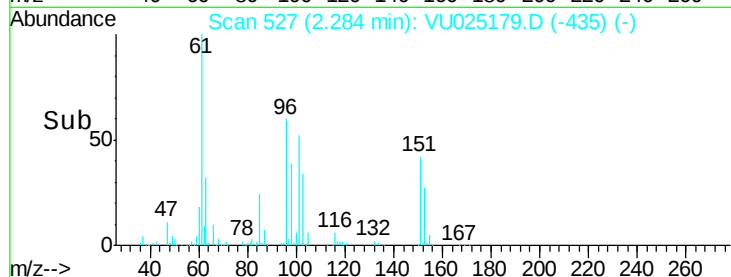
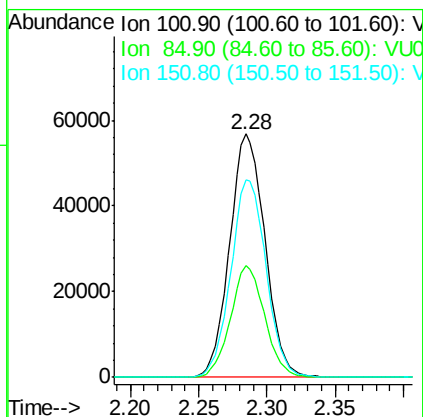
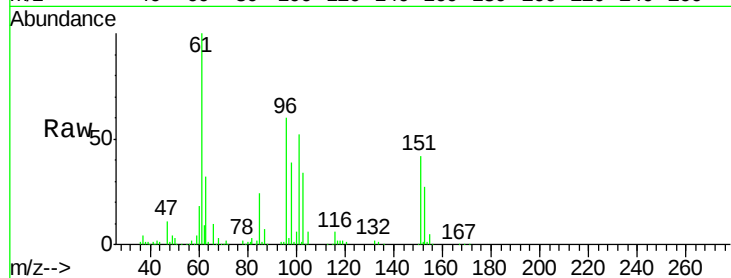
ClientSampleId :

MW-1-062818MSD

Tot Ion:	101	Resp:	102176
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.0	54.0
151	81.1	62.3	93.5

Manual Integrations
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#10

Methyl Iodide

Concen: 66.86 ug/l

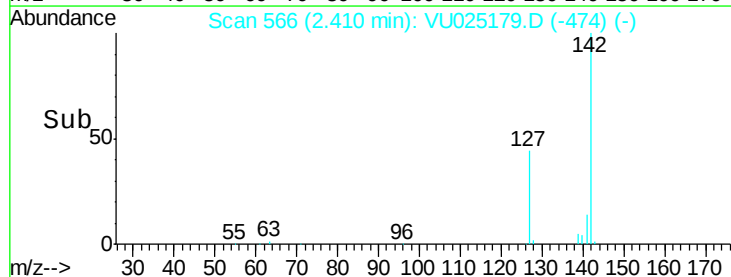
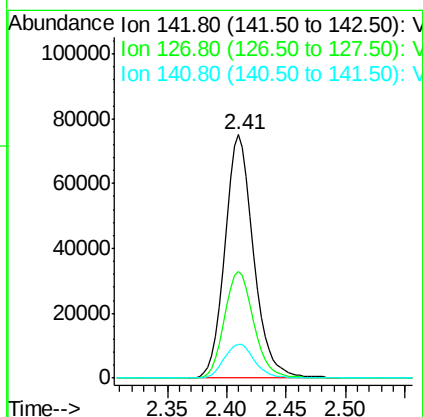
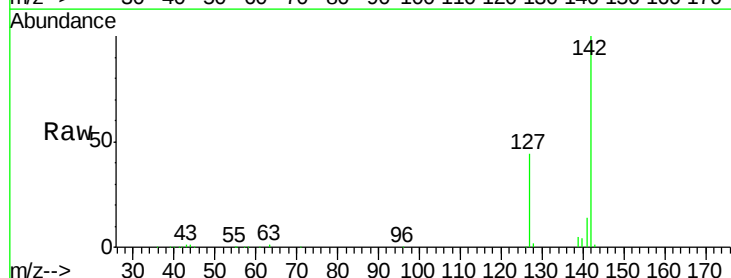
RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Tgt Ion:	142	Resp:	125370
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.6	53.4
141	14.6	11.7	17.5





#11

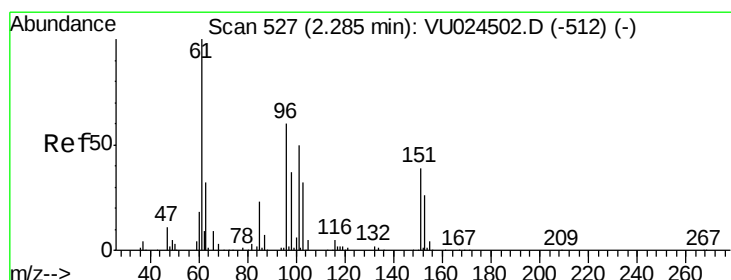
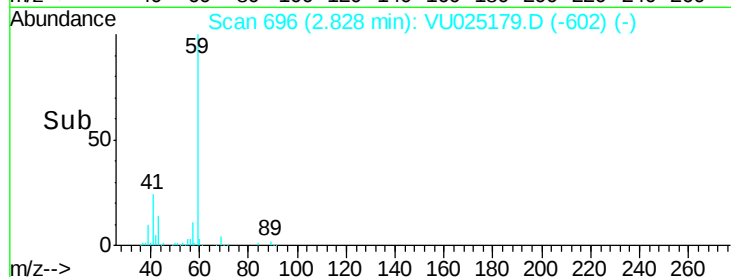
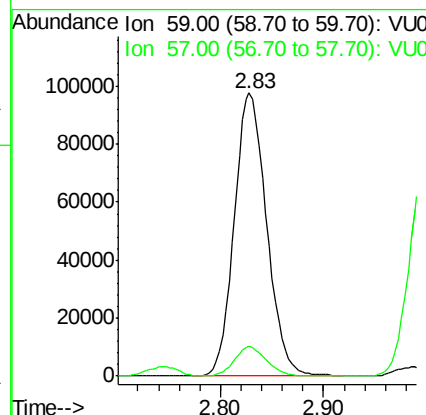
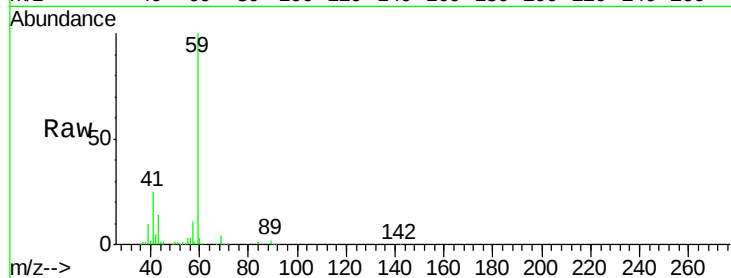
Tert butyl alcohol
 Concen: 312.45 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

Manual Integrations
 APPROVED

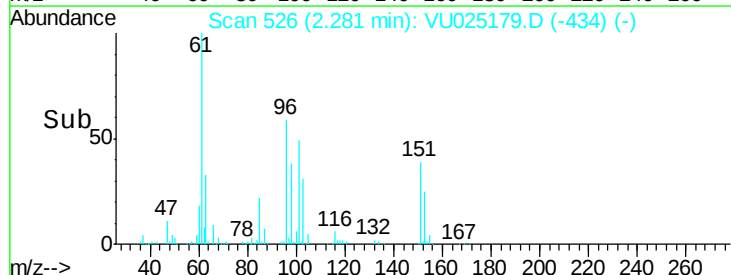
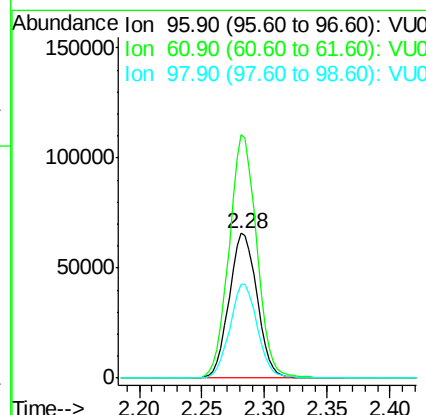
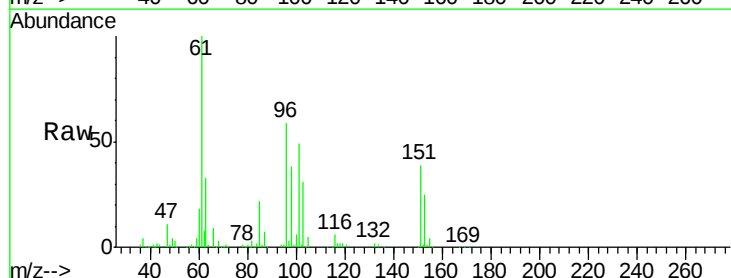
sam
 7/3/2018 3:53:11 PM

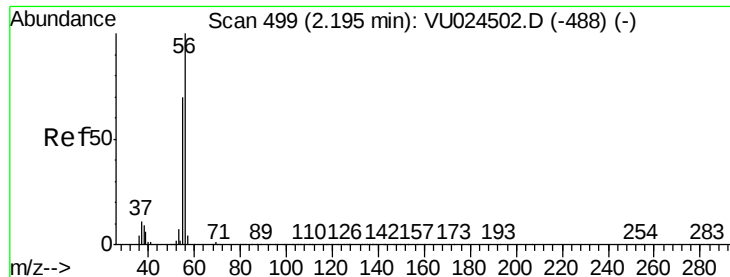


#12

1,1-Dichloroethene
 Concen: 51.99 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.5	141.7	212.5
98	64.7	51.6	77.4





#13

Acrolein

Concen: 70.84 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818MSD

Tot Ion: 56 Resp: 25453

Ion Ratio Lower Upper

56 100

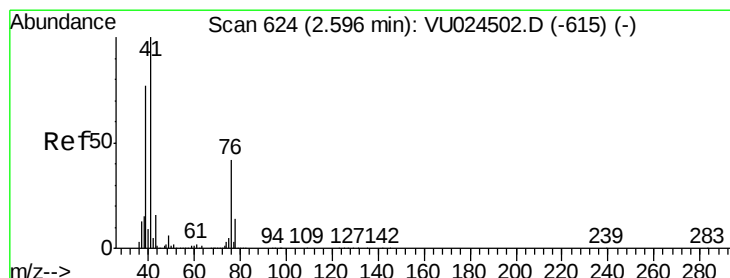
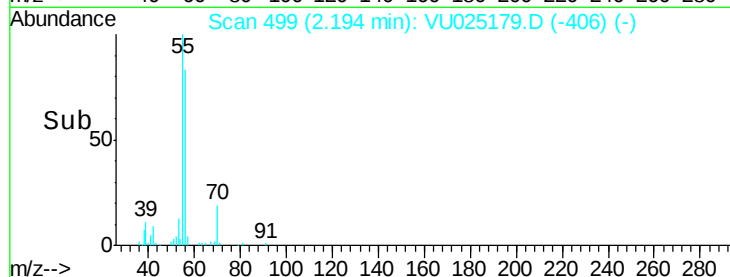
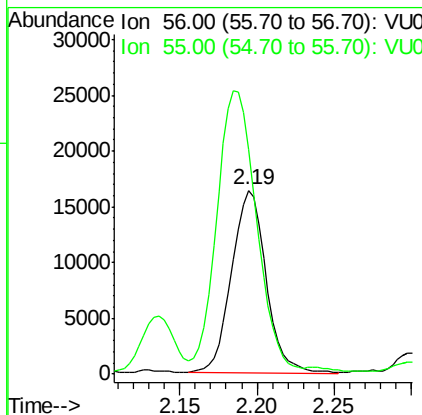
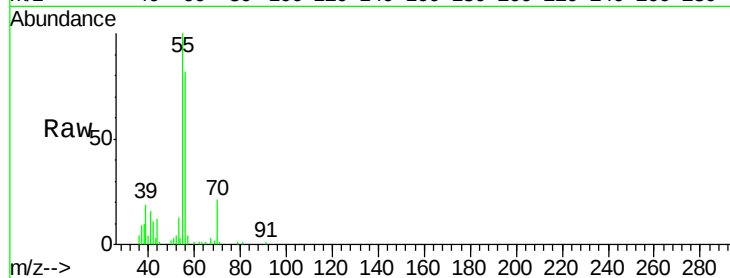
55 170.2 58.4 87.6#

Manual Integrations

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#14

Allyl chloride

Concen: 43.83 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

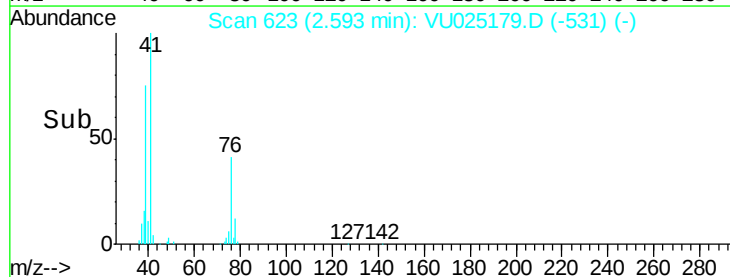
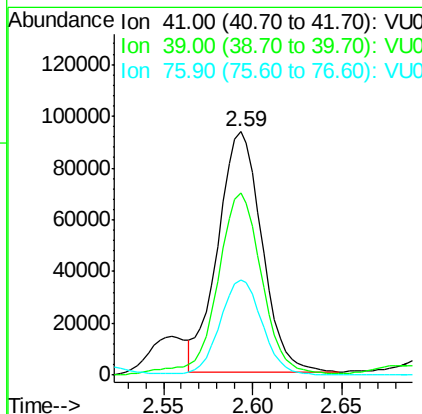
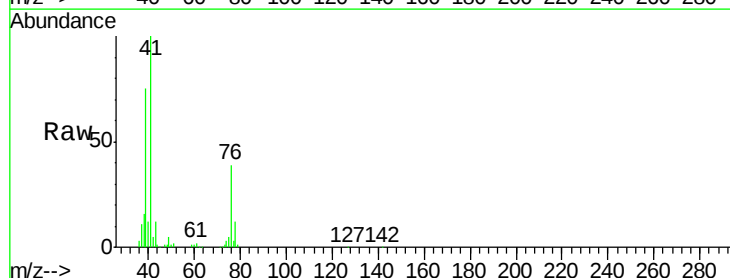
Tgt Ion: 41 Resp: 159666

Ion Ratio Lower Upper

41 100

39 76.2 61.6 92.4

76 37.6 29.7 44.5





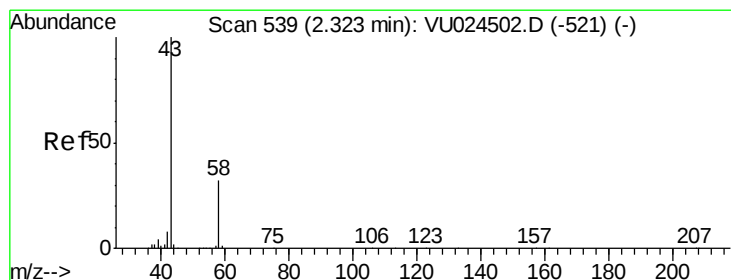
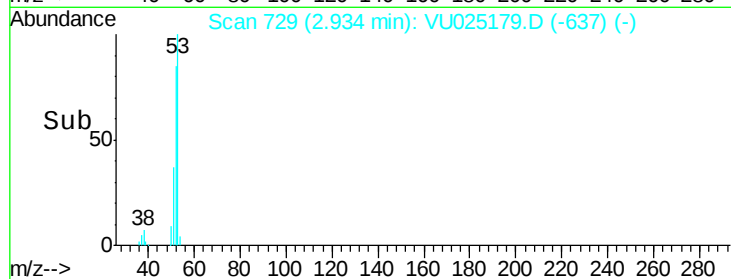
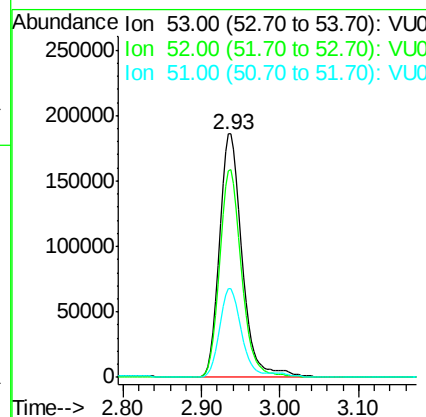
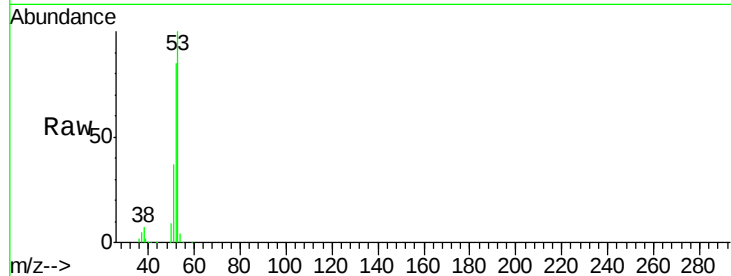
#15
 Acrylonitrile
 Concen: 278.15 ug/l
 RT: 2.93 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MSD

Tot Ion:	53	Resp:	370253
Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.1	100.7
51	34.8	28.4	42.6

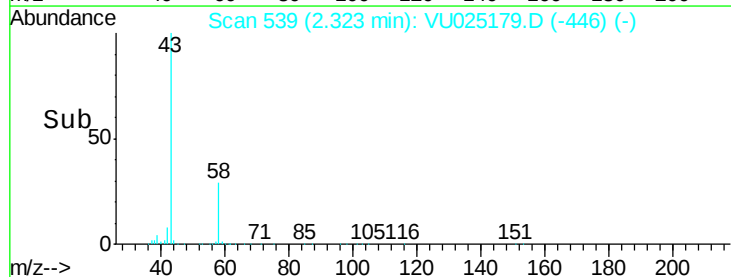
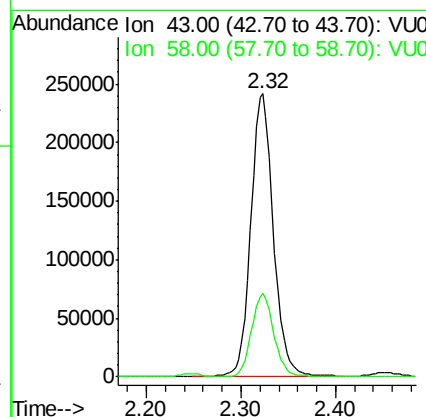
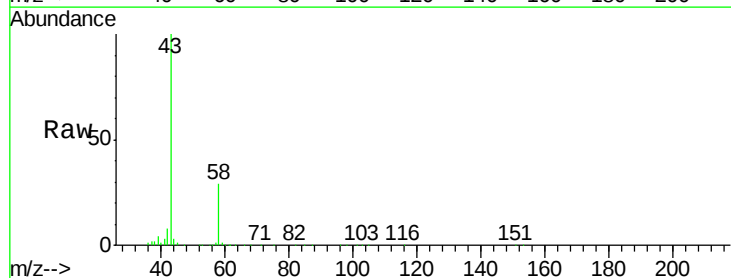
Manual Integrations
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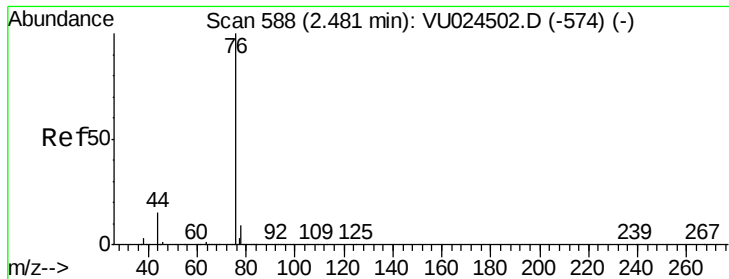
sam
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#16
 Acetone
 Concen: 264.21 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Tgt Ion:	43	Resp:	399351
Ion	Ratio	Lower	Upper
43	100		
58	29.4	24.4	36.6





#17

Carbon Disulfide

Concen: 43.28 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818MSD

Tot Ion: 76 Resp: 271887

Ion Ratio Lower Upper

76 100

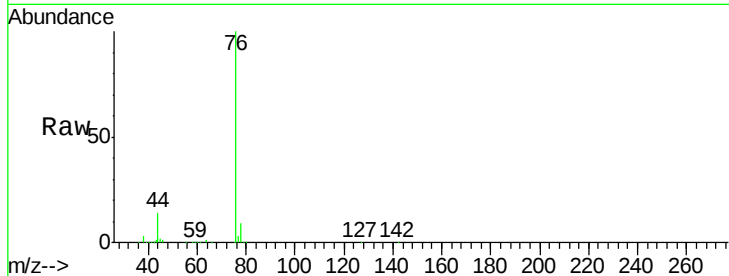
78 9.3 7.1 10.7

Manual Integrations

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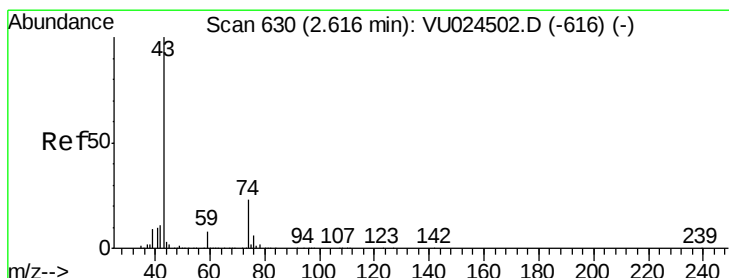
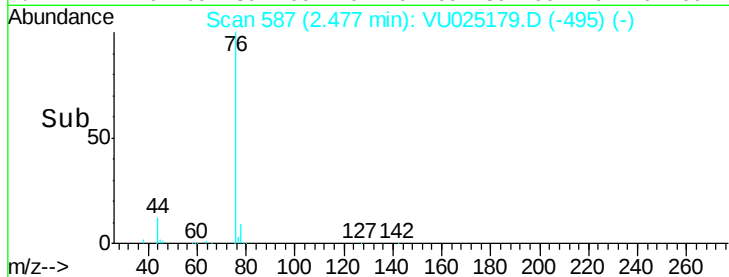
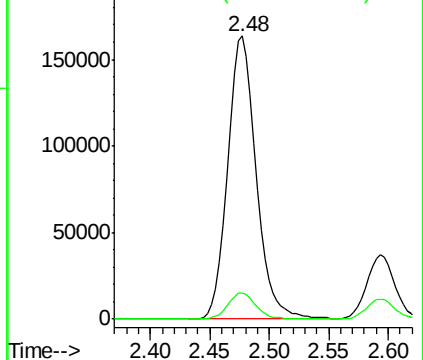
sam

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 61.74 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025179.D

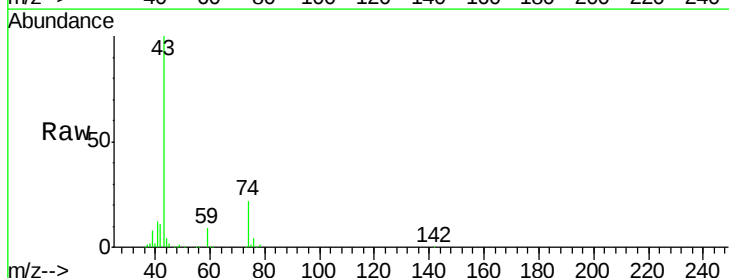
Acq: 03 Jul 2018 07:05

Tgt Ion: 43 Resp: 200045

Ion Ratio Lower Upper

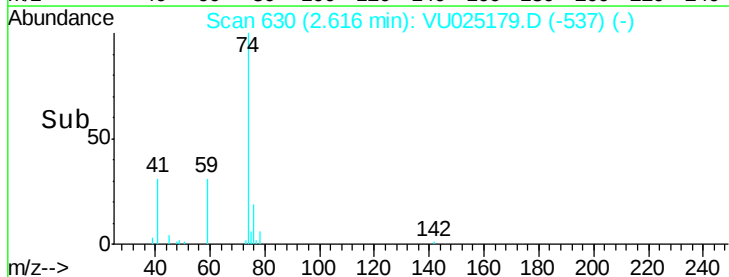
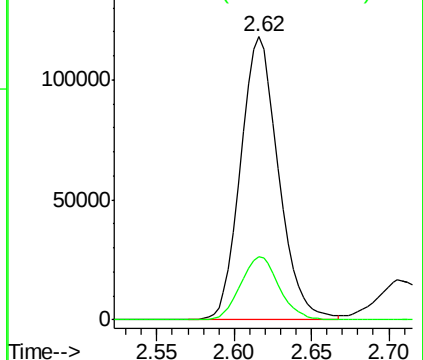
43 100

74 23.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





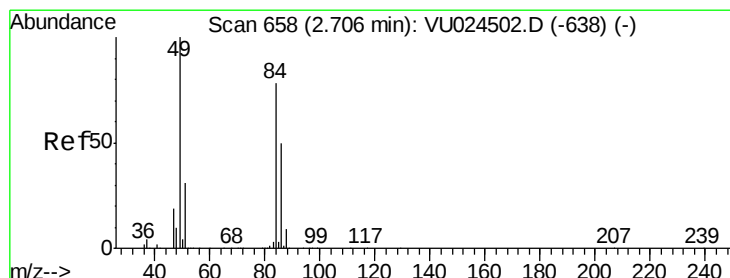
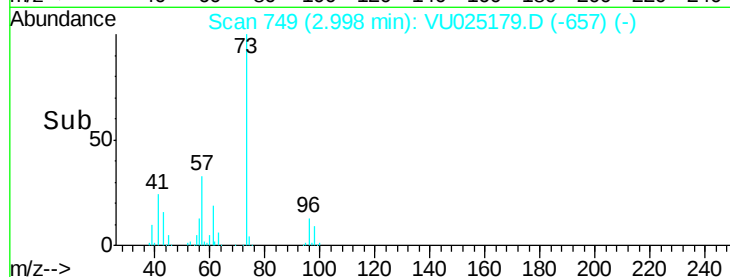
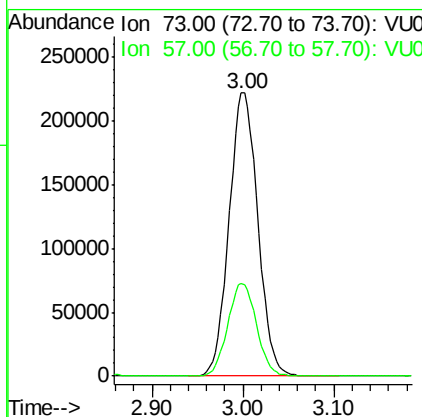
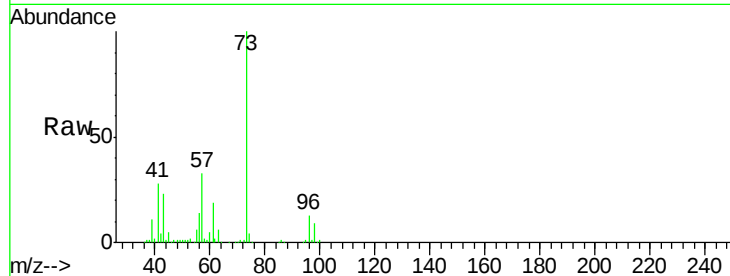
#19
Methvl tert-butvl Ether
Concen: 65.95 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818MSD

Tot Ion: 73 Resp: 486431
Ion Ratio Lower Upper
73 100
57 32.9 18.8 28.2#

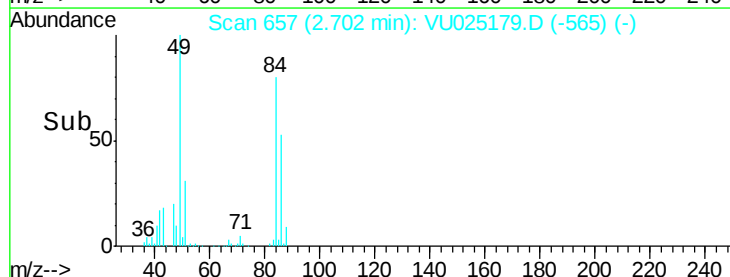
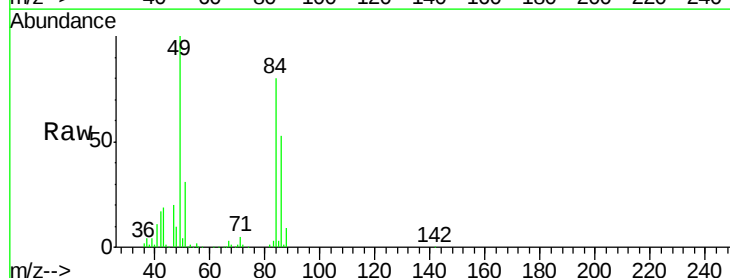
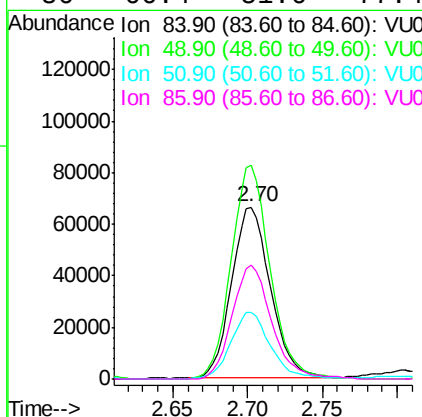
Manual Integrations
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#20
Methylene Chloride
Concen: 50.77 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Tgt Ion: 84 Resp: 120404
Ion Ratio Lower Upper
84 100
49 124.6 103.8 155.8
51 38.9 32.0 48.0
86 66.4 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 51.72 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

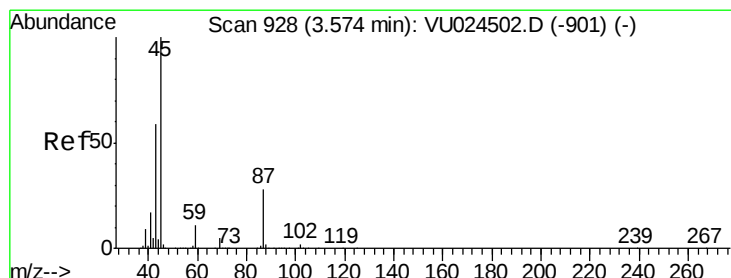
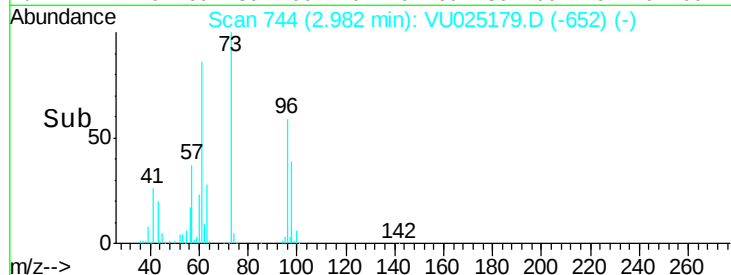
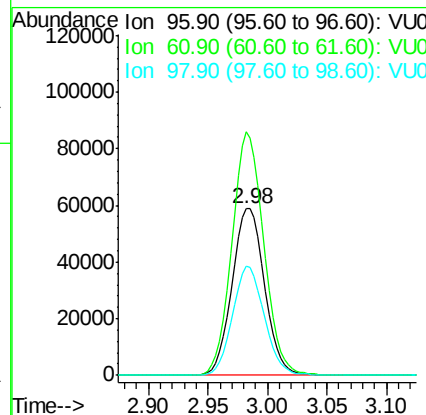
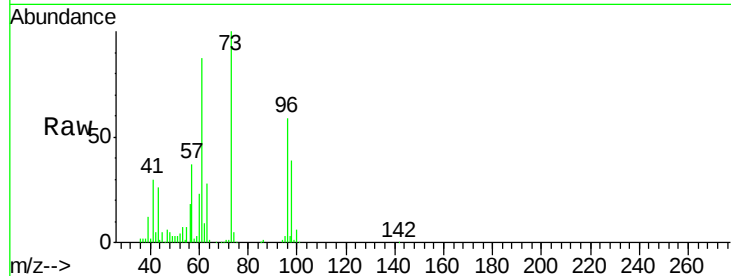
ClientSampleId :

MW-1-062818MSD

Tot Ion:	96	Resp:	111779
Ion	Ratio	Lower	Upper
96	100		
61	146.3	119.4	179.0
98	65.9	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.76 ug/l

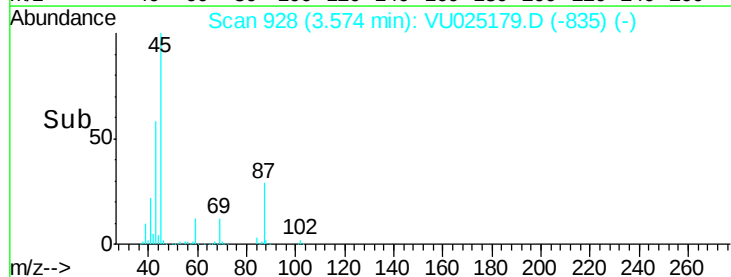
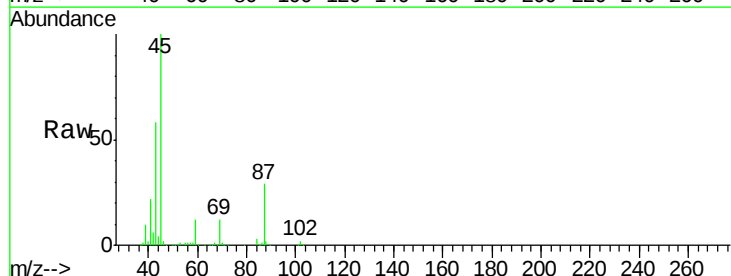
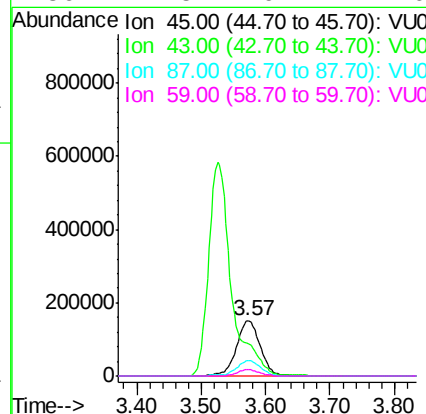
RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Tgt Ion:	45	Resp:	388271
Ion	Ratio	Lower	Upper
45	100		
43	57.7	45.8	68.6
87	28.6	20.6	31.0
59	11.5	9.4	14.0





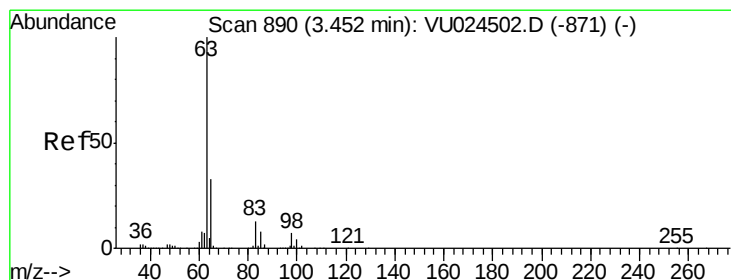
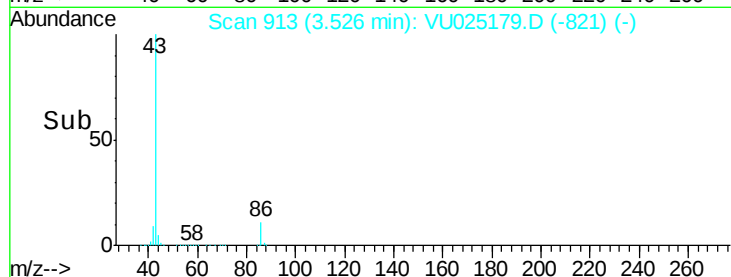
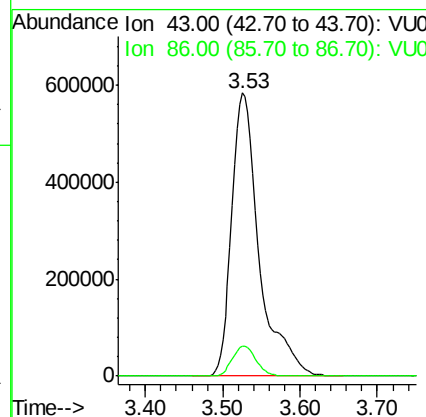
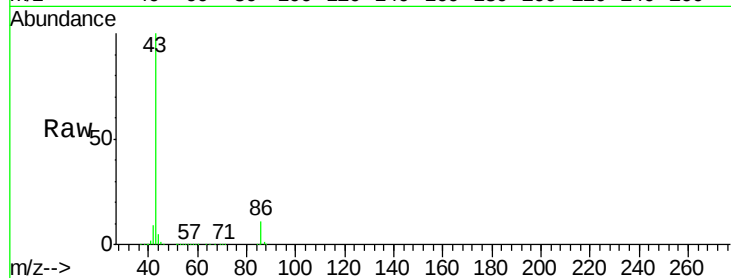
#23
 Vinyl Acetate
 Concen: 221.59 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MSD

Tot Ion: 43 Resp: 1433516
 Ion Ratio Lower Upper
 43 100
 86 10.6 7.8 11.8

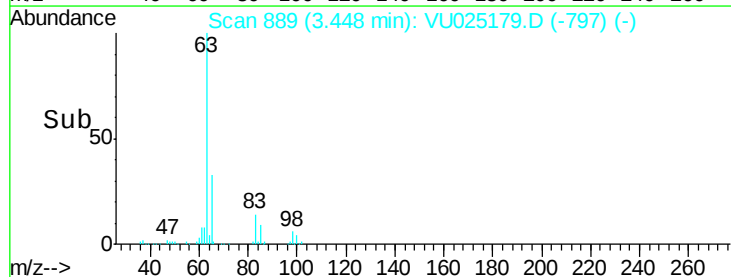
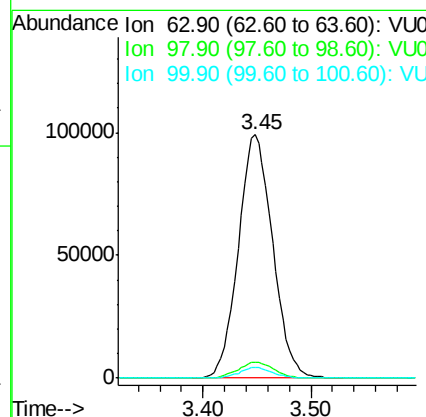
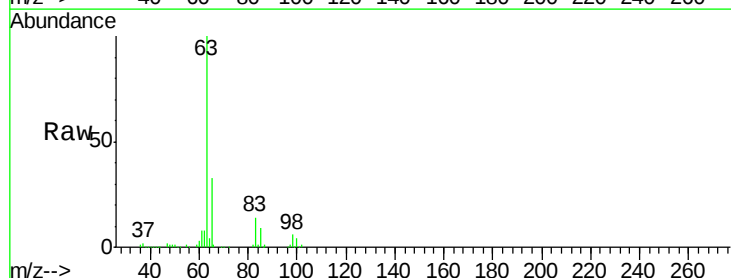
Manual Integrations
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sam
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#24
 1,1-Dichloroethane
 Concen: 52.81 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Tgt Ion: 63 Resp: 219418
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.5 10.4
 100 4.4 1.8 5.5





#25

2-Butanone

Concen: 279.83 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818MSD

Tot Ion: 43 Resp: 568136

Ion Ratio Lower Upper

43 100

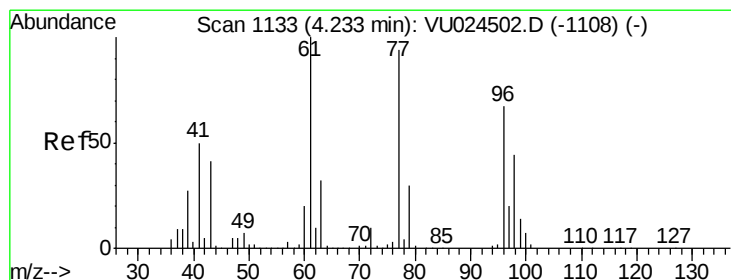
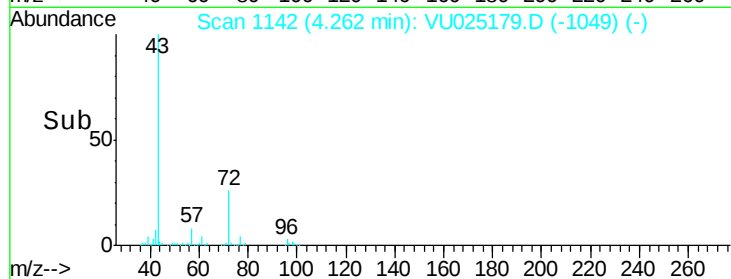
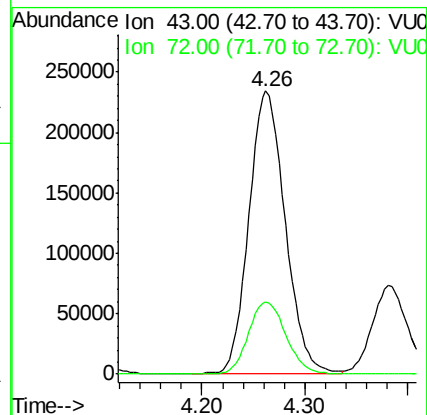
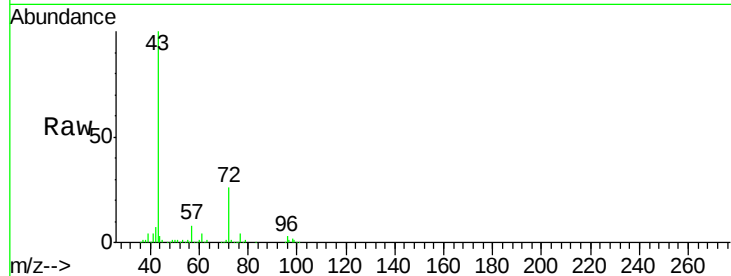
72 25.6 19.6 29.4

Manual Integrations

APPROVED

sam

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#26

2,2-Dichloropropane

Concen: 25.01 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025179.D

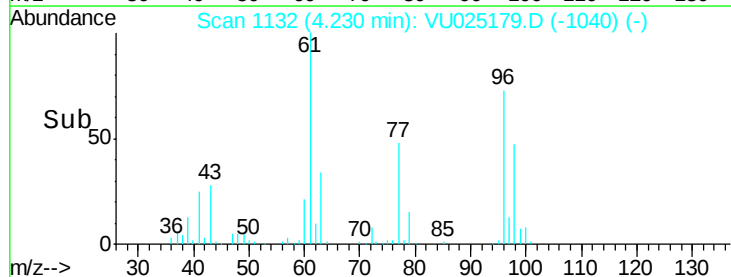
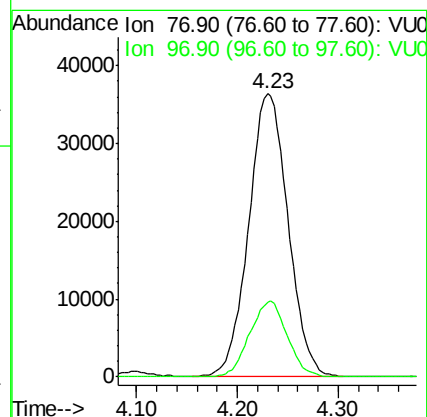
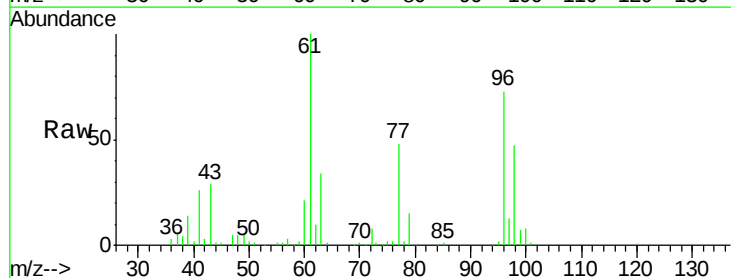
Acq: 03 Jul 2018 07:05

Tgt Ion: 77 Resp: 98657

Ion Ratio Lower Upper

77 100

97 25.5 11.3 33.8





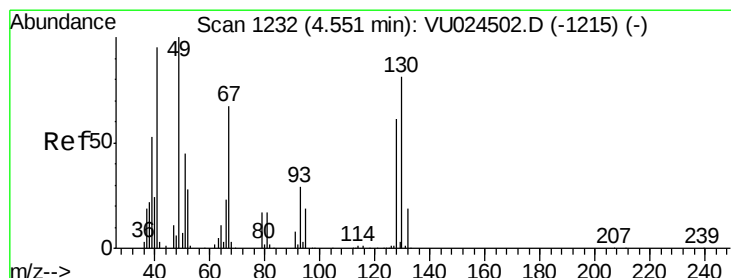
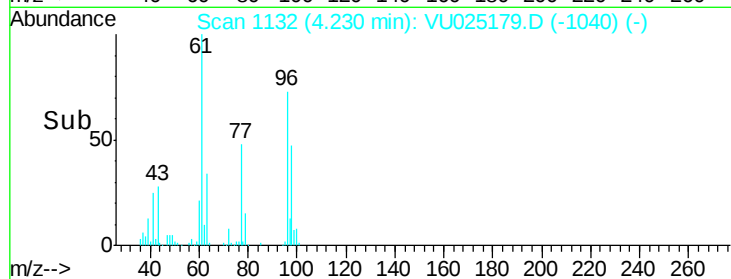
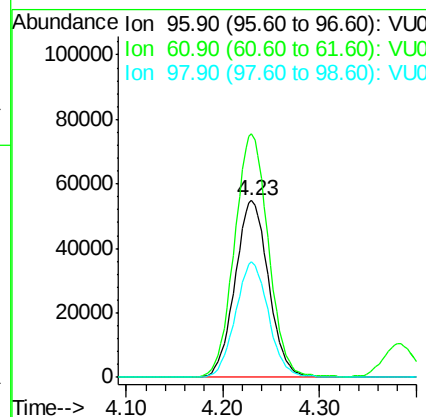
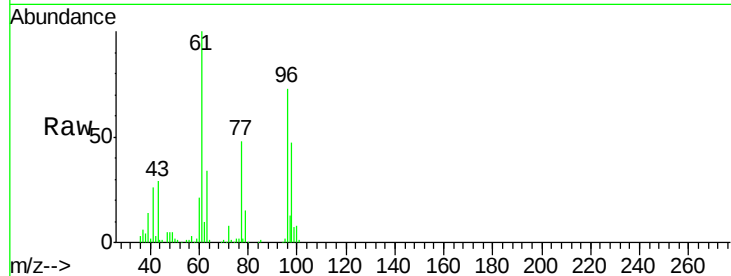
#27
 cis-1,2-Dichloroethene
 Concen: 53.16 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	306.6
98	64.4	0.0	128.8

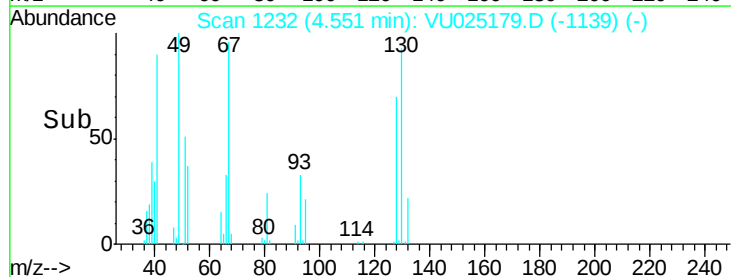
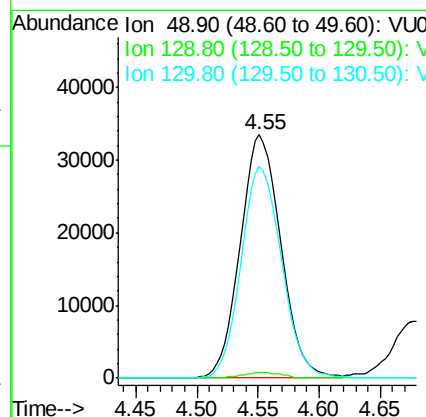
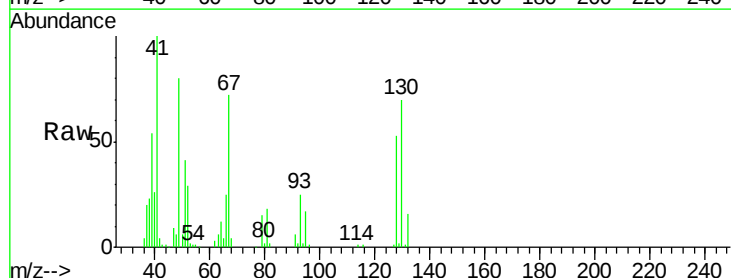
Manual Integrations
 APPROVED

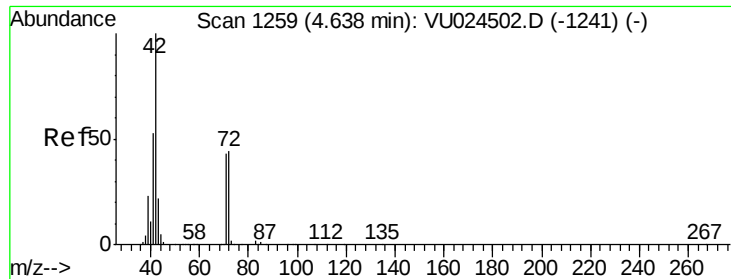
sam
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#28
 Bromochloromethane
 Concen: 42.30 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	86.8	57.8	86.6#





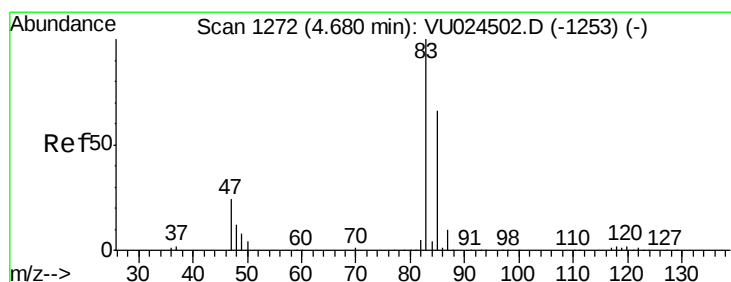
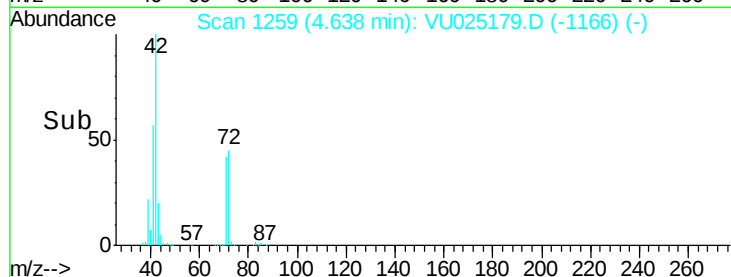
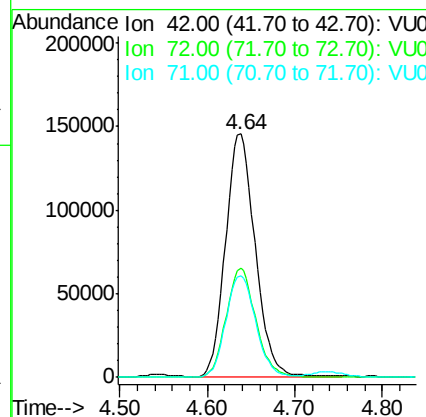
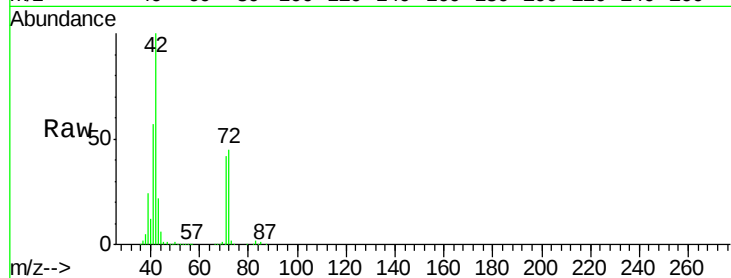
#29
Tetrahydrofuran
Concen: 271.95 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818MSD

Tot Ion:	42	Resp:	341922
Ion Ratio	Lower	Upper	
42	100		
72	45.0	34.5	51.7
71	42.3	32.2	48.4

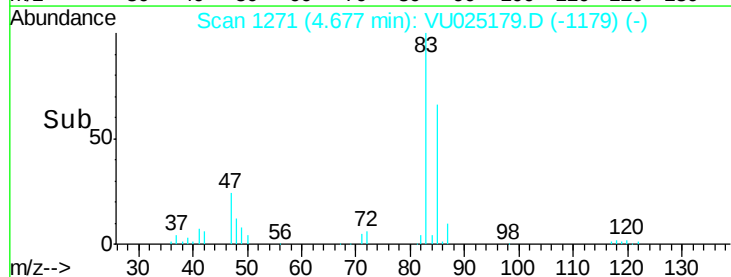
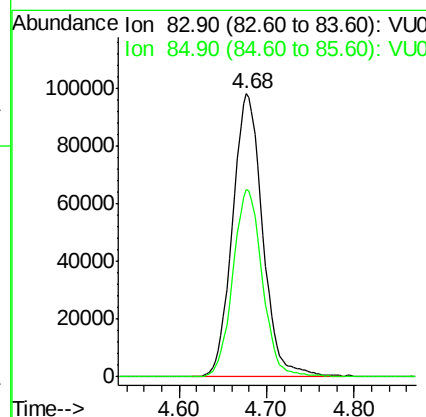
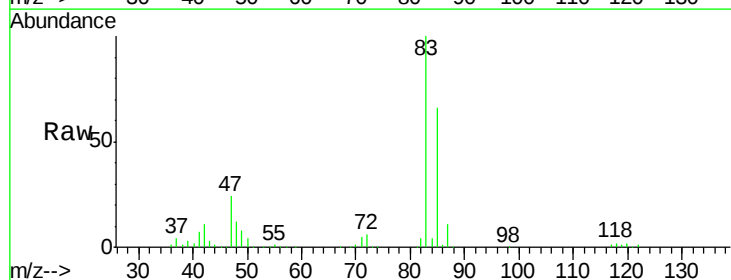
Manual Integrations
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#30
Chloroform
Concen: 55.88 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Tgt Ion:	83	Resp:	234972
Ion Ratio	Lower	Upper	
83	100		
85	66.1	52.4	78.6





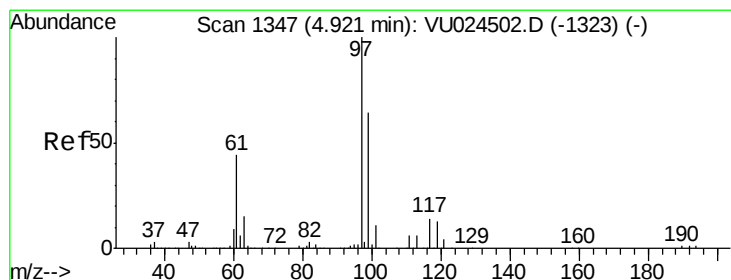
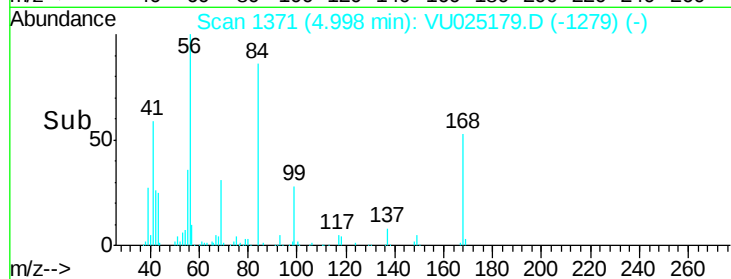
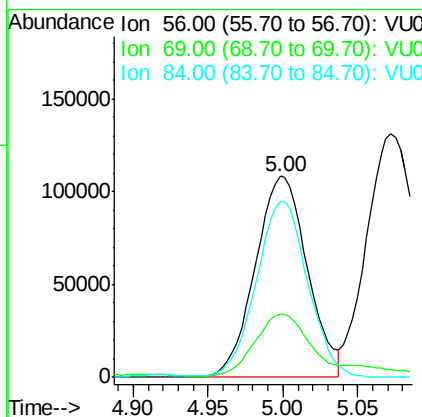
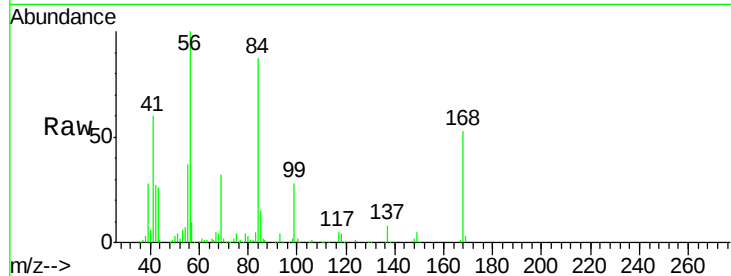
#31
Cyclohexane
Concen: 71.71 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.8	37.2
84	86.5	65.2	97.8

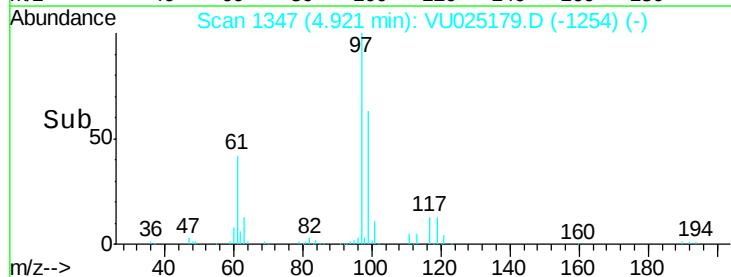
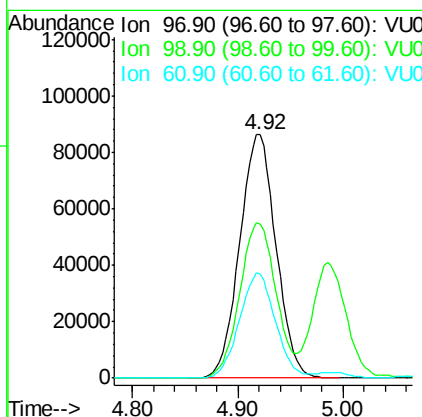
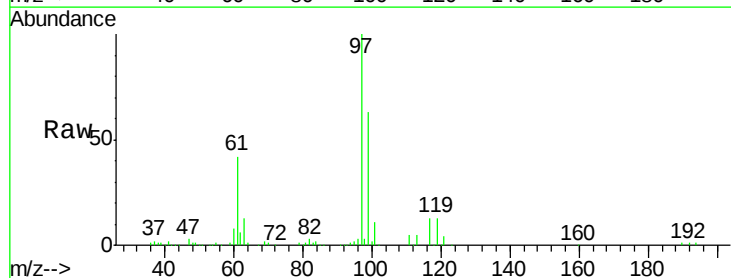
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 53.26 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	42.7	39.4	59.0





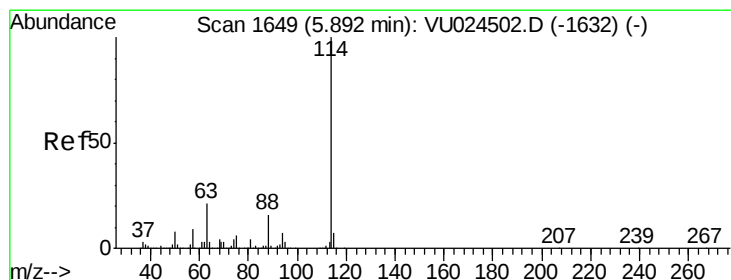
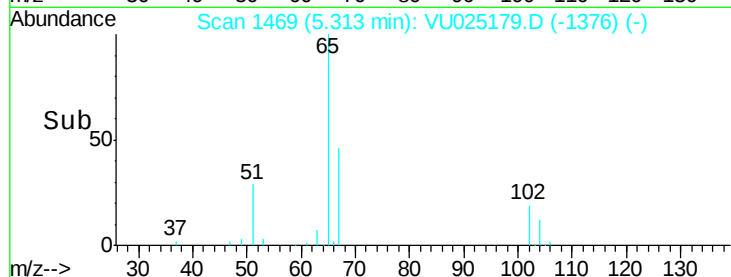
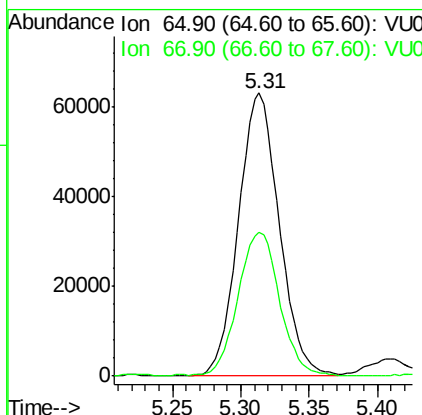
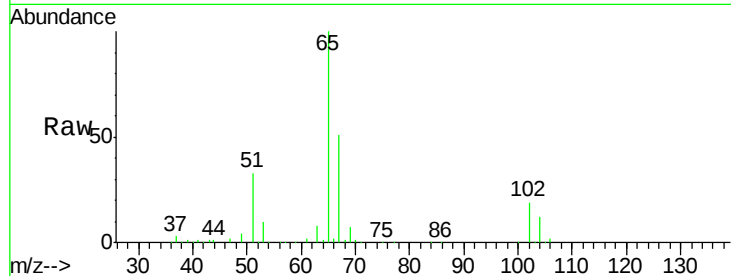
#33
 1,2-Dichloroethane-d4
 Concen: 46.39 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	107.0

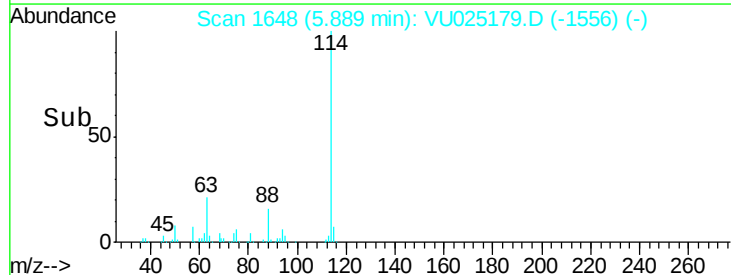
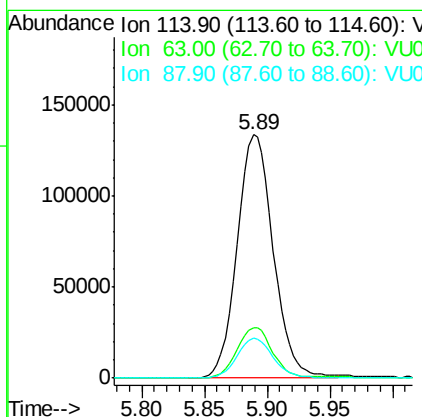
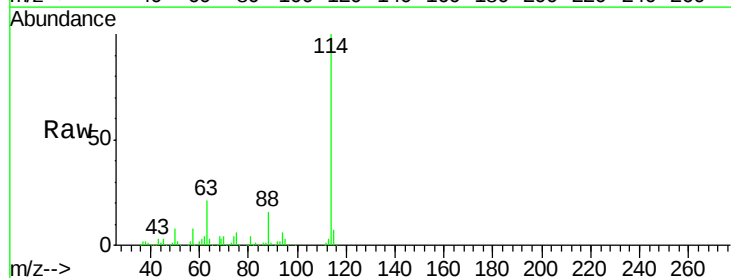
Manual Integrations
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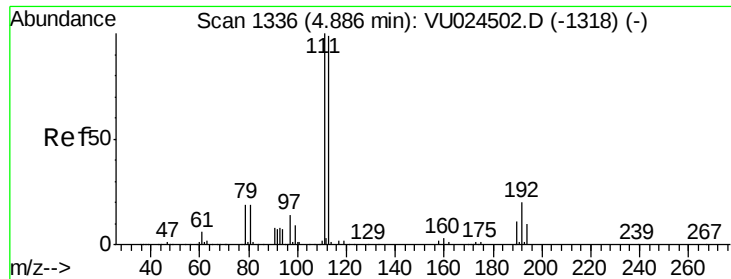
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	45.4
88	16.2	0.0	31.0





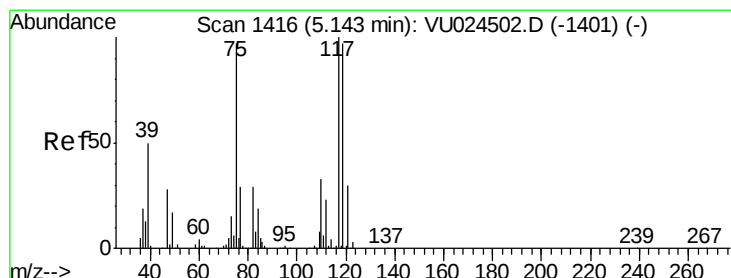
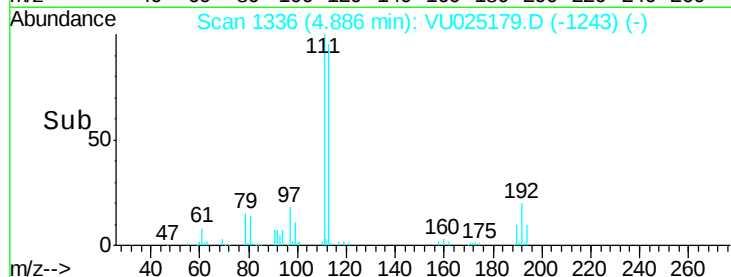
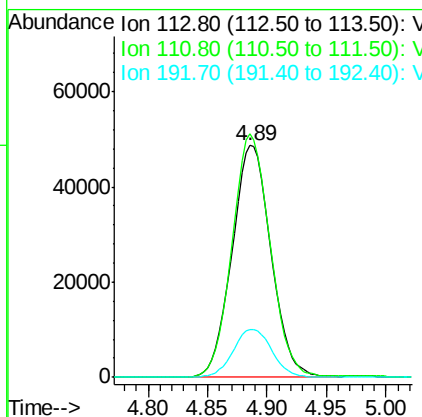
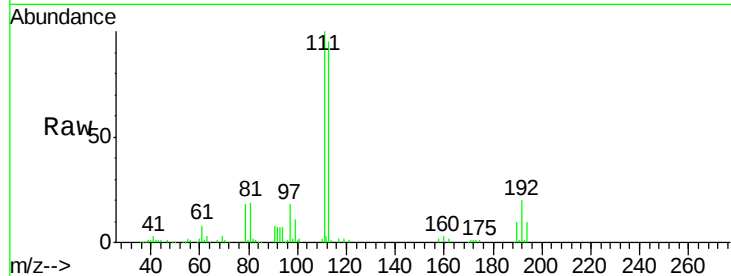
#35
 Dibromofluoromethane
 Concen: 49.76 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	20.7	16.2	24.4

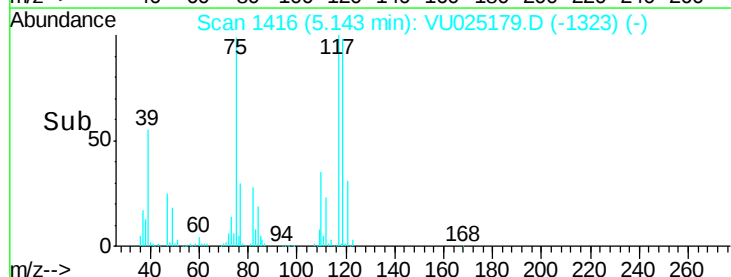
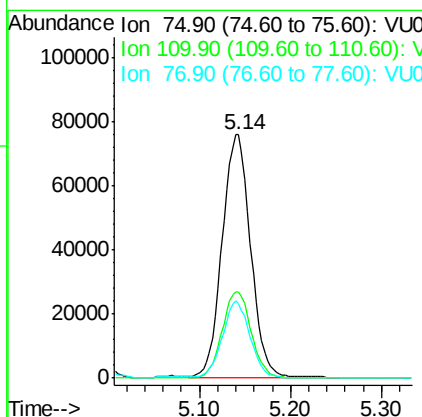
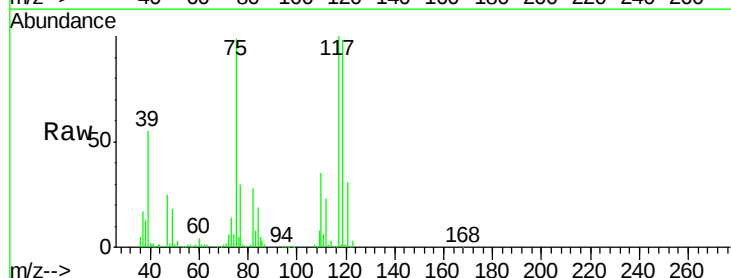
Manual Integrations
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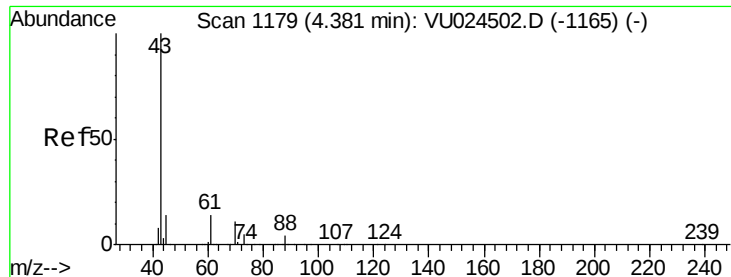
sam
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#36
 1,1-Dichloropropene
 Concen: 52.29 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.0	50.9
77	30.3	24.2	36.4





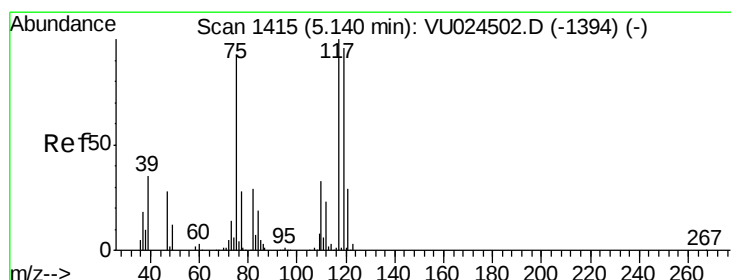
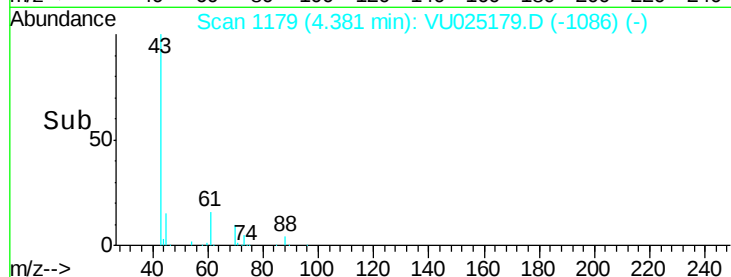
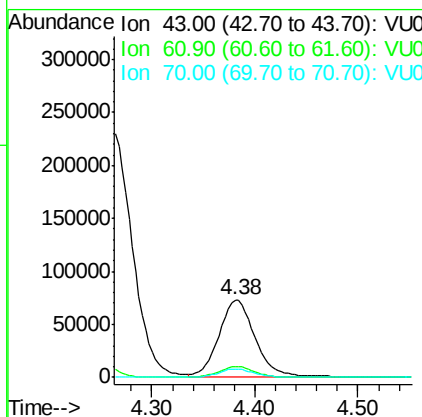
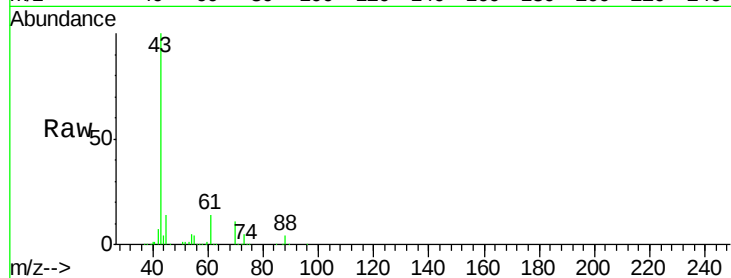
#37
Ethyl Acetate
Concen: 50.90 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	10.9	7.4	11.2

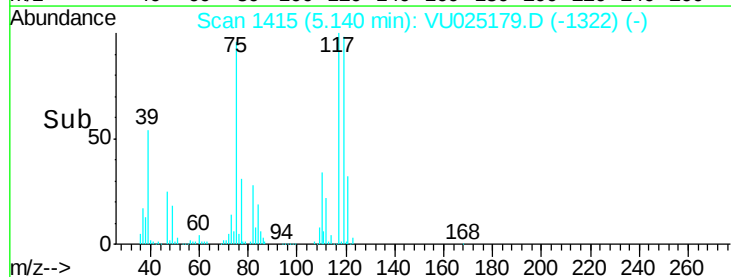
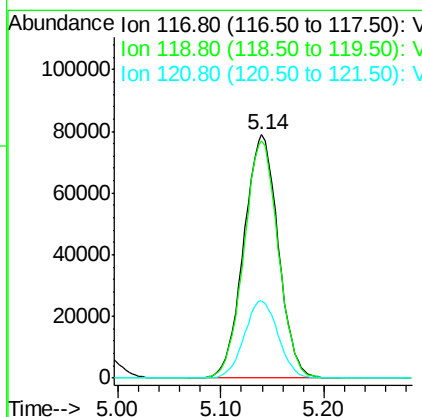
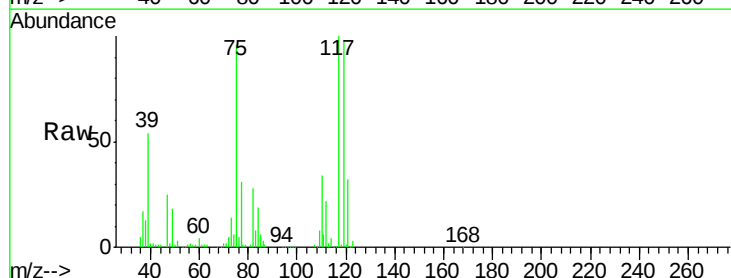
Manual Integrations
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sam
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#38
Carbon Tetrachloride
Concen: 52.90 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.1	114.1
121	31.7	23.7	35.5





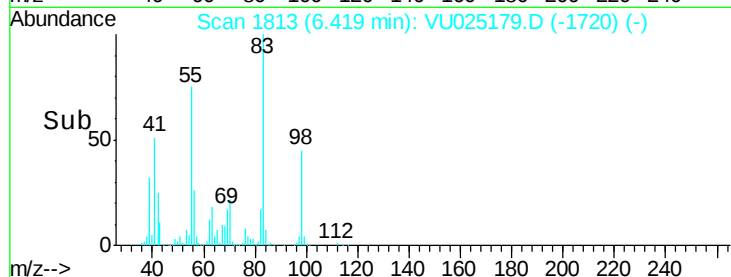
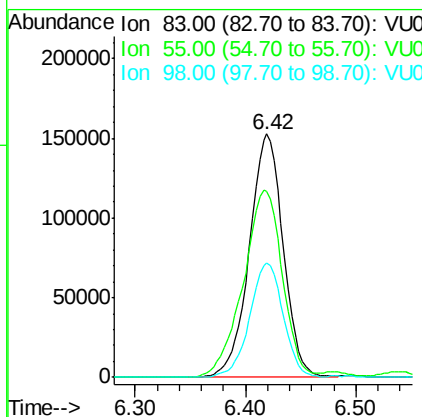
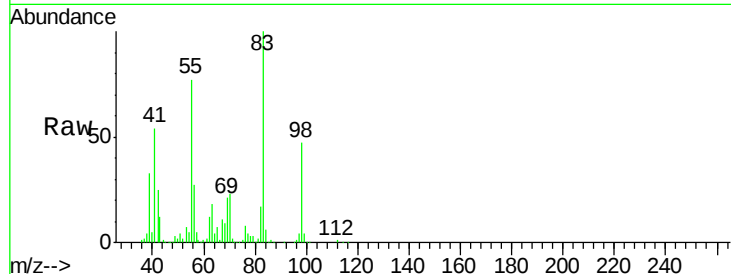
#39
Methvlcvclohexane
Concen: 82.68 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	65.8	98.6
98	46.9	36.7	55.1

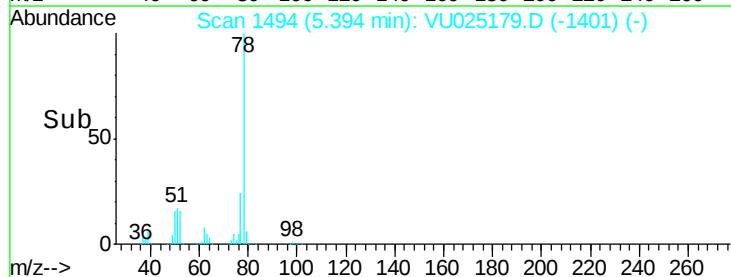
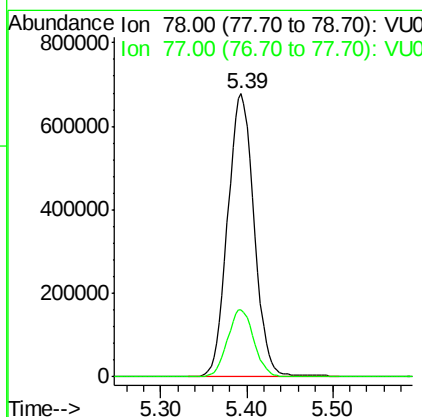
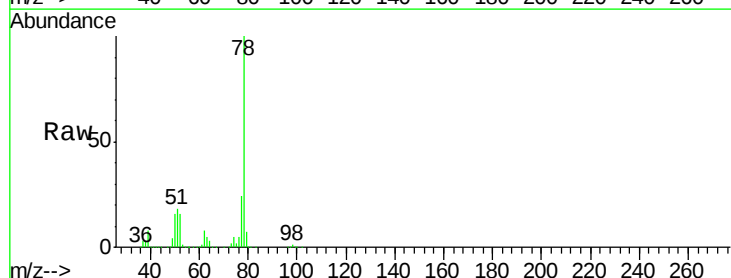
Manual Integrations
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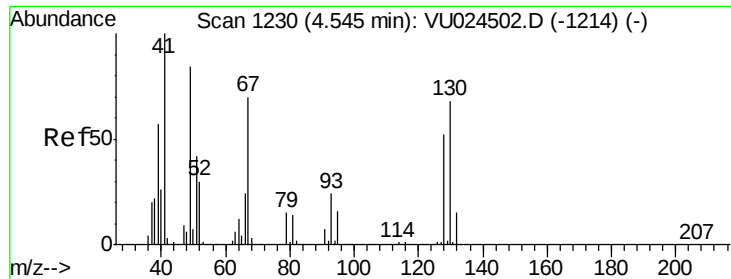
sam
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#40
Benzene
Concen: 161.92 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8





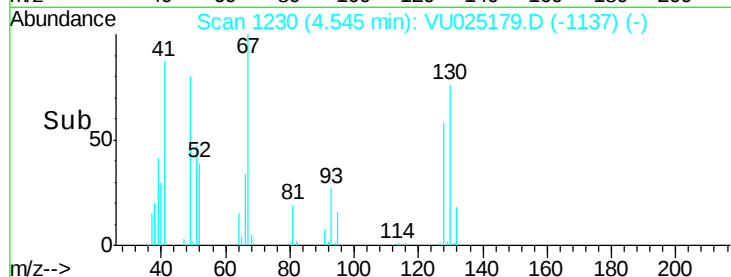
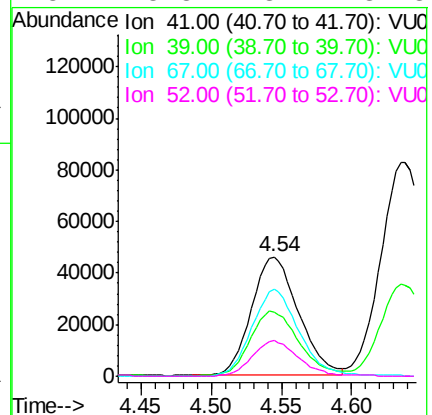
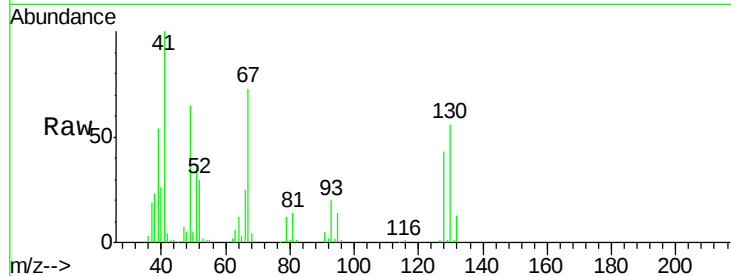
#41
Methacrylonitrile
Concen: 58.23 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	43.8	65.6	
67	73.8	56.3	84.5	
52	28.8	23.2	34.8	

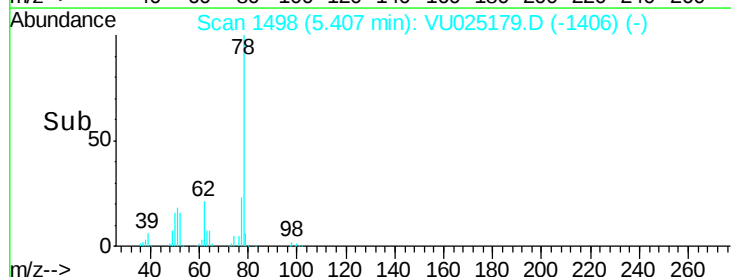
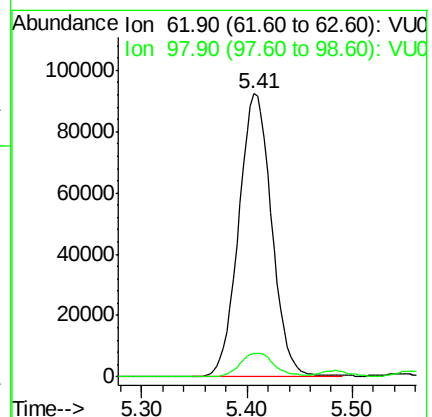
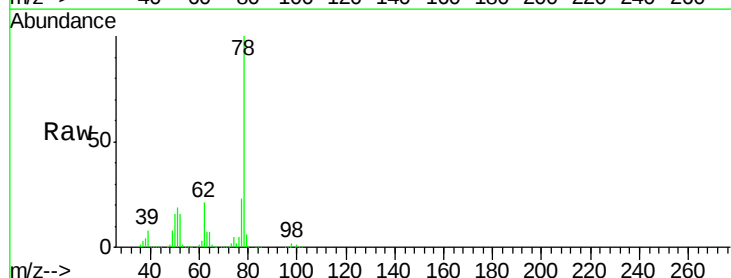
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 58.91 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	16.6	





#43

Isopropyl Acetate

Concen: 55.99 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

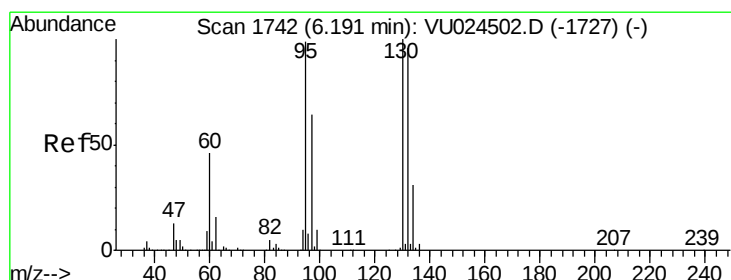
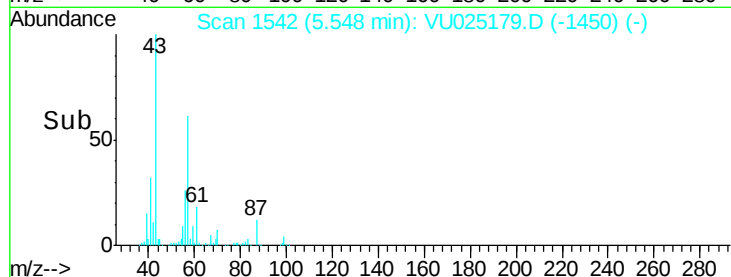
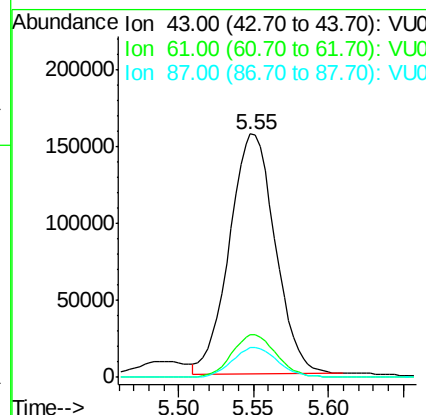
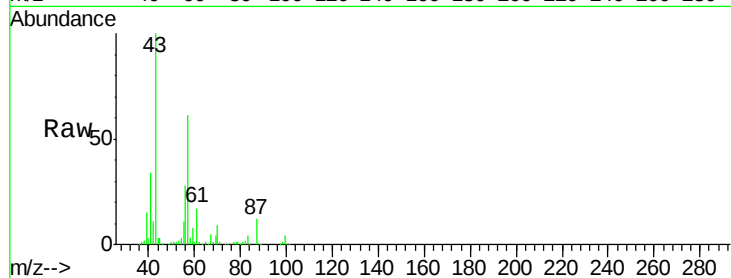
ClientSampleId :

MW-1-062818MSD

Tot Ion:	43	Resp:	331480
Ion	Ratio	Lower	Upper
43	100		
61	17.4	15.4	23.0
87	12.5	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 53.64 ug/l

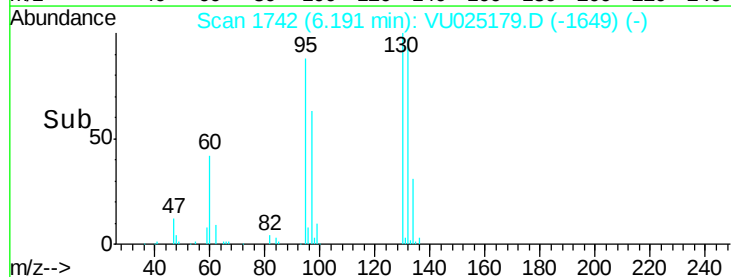
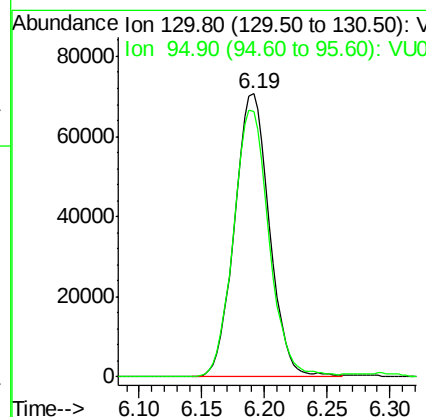
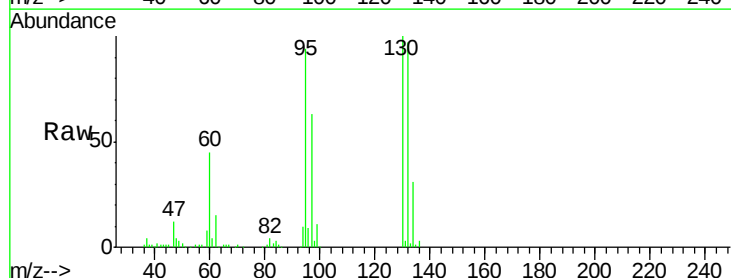
RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Tgt Ion:	130	Resp:	136711
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	202.4





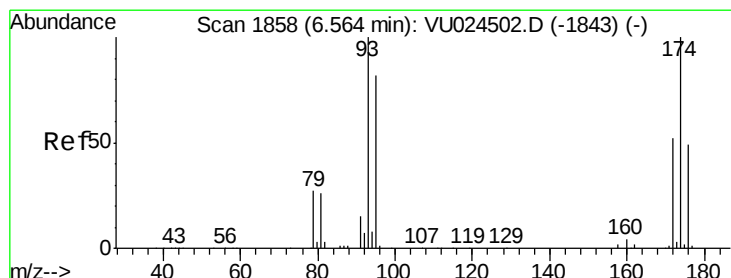
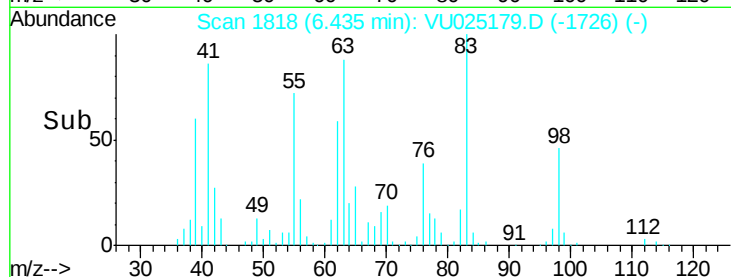
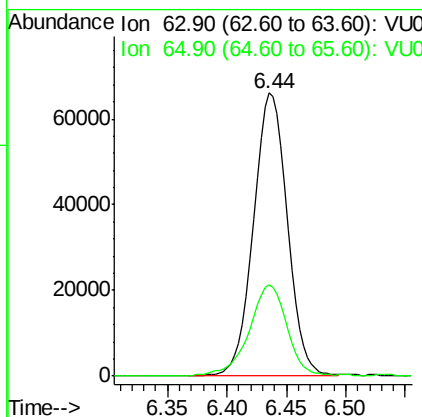
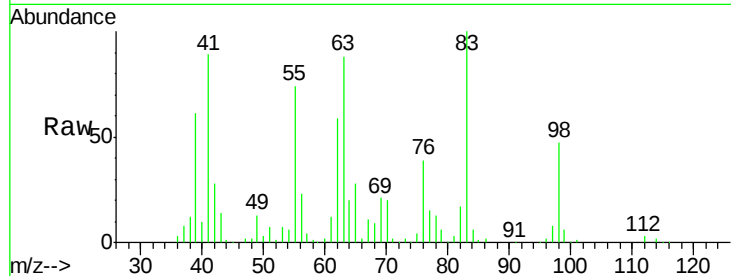
#45
 1,2-Dichloropropane
 Concen: 54.74 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MSD

Tot Ion: 63 Resp: 130791
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.8 37.2

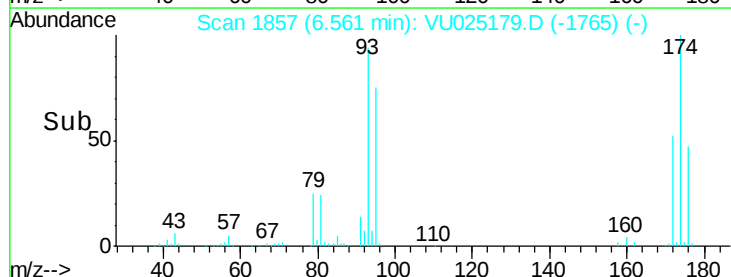
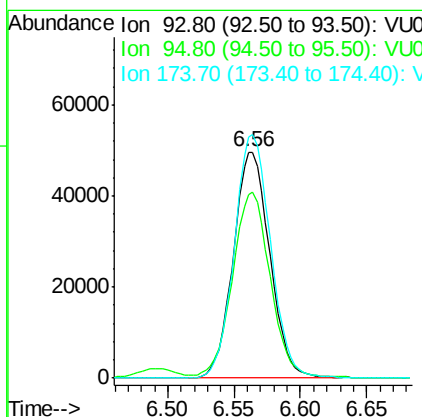
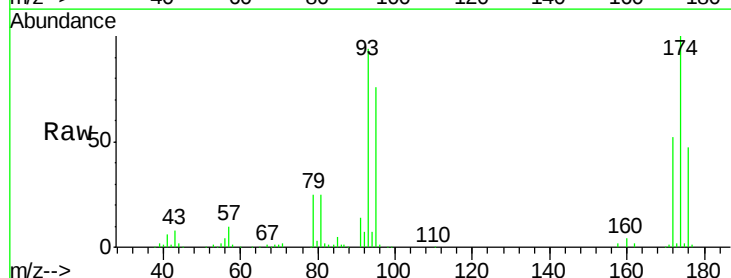
Manual Integrations
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#46
 Dibromomethane
 Concen: 56.55 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Tgt Ion: 93 Resp: 94910
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.5 98.3
 174 107.2 78.7 118.1





#47

Bromodichloromethane

Concen: 53.71 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

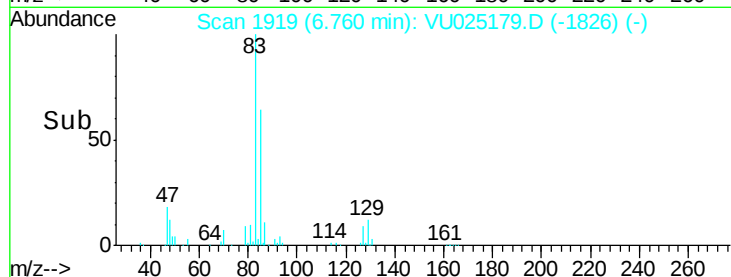
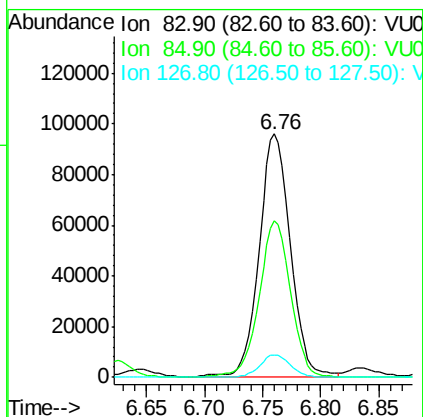
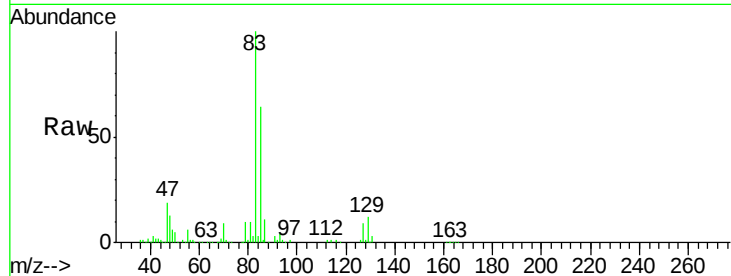
ClientSampleId :

MW-1-062818MSD

Tot Ion:	83	Resp:	179500
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.9	77.9
127	9.1	6.6	9.8

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#48

Methyl methacrylate

Concen: 64.58 ug/l

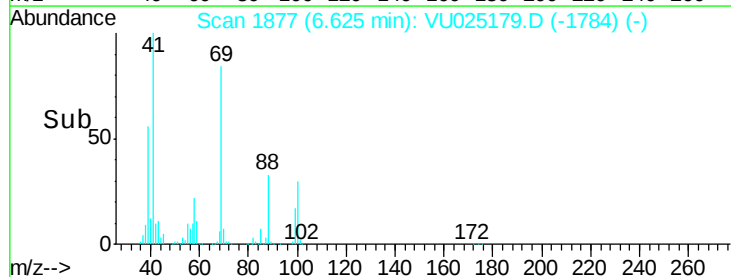
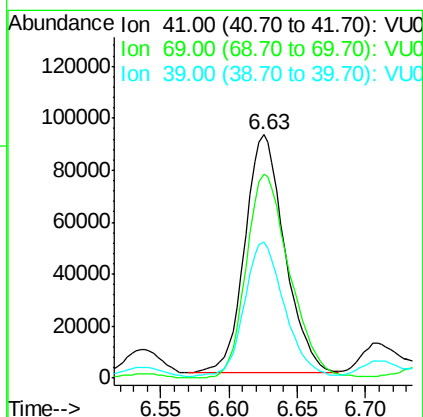
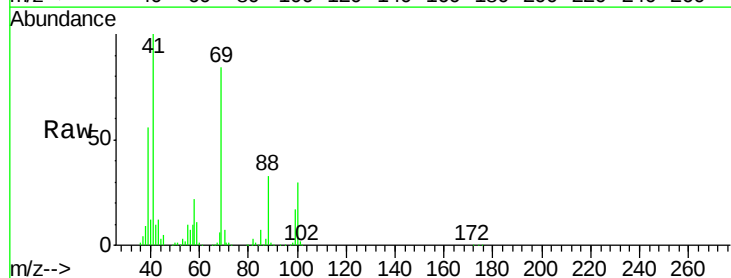
RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Tgt Ion:	41	Resp:	186193
Ion	Ratio	Lower	Upper
41	100		
69	92.6	67.3	100.9
39	55.5	46.5	69.7





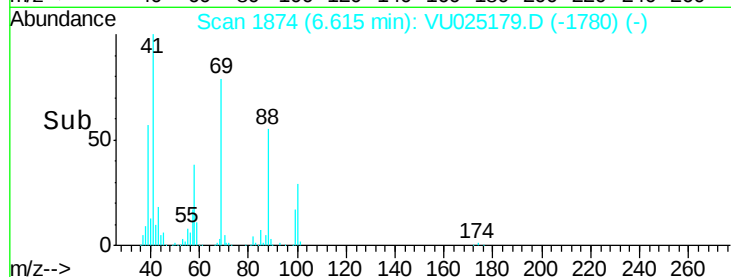
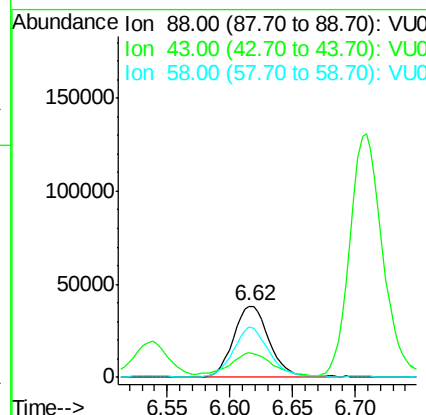
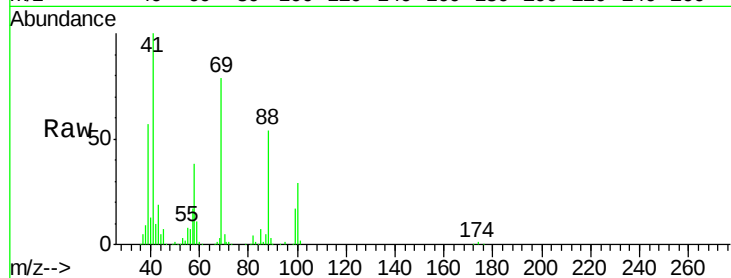
#49
1,4-Dioxane
Concen: 1334.08 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	28.6	42.8
58	68.6	58.2	87.4

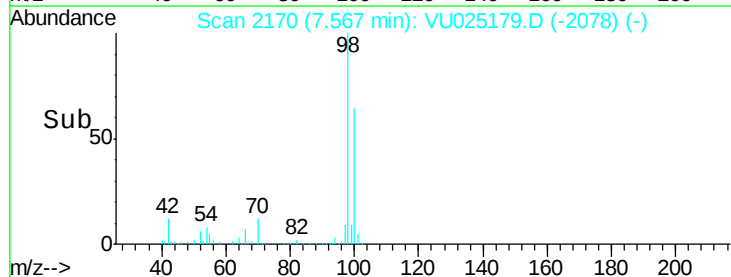
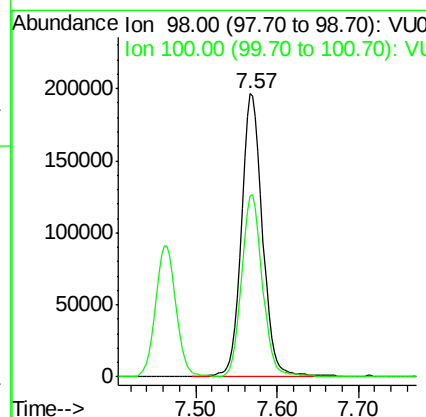
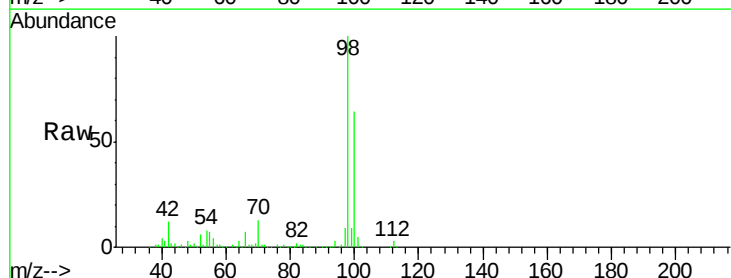
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#50
Toluene-d8
Concen: 43.90 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.1	76.7





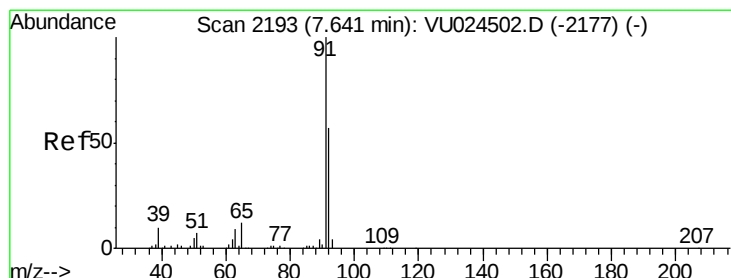
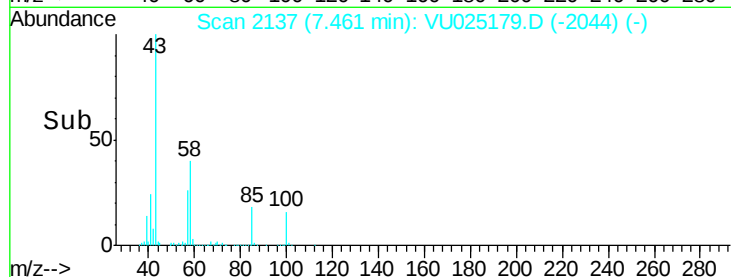
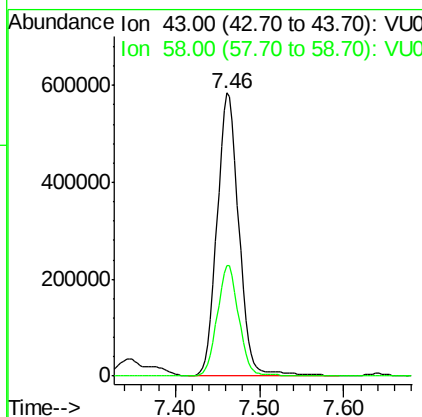
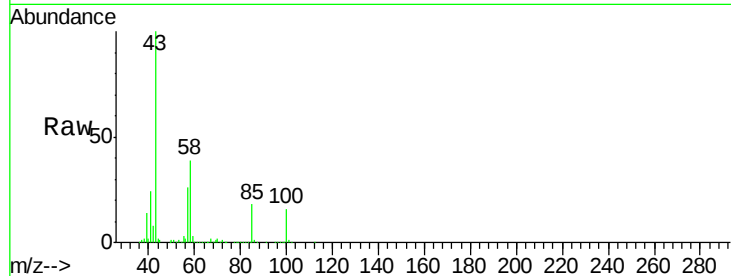
#51
 4-Methyl-2-Pentanone
 Concen: 280.91 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MSD

Tot Ion	43	Resp	1044907
Ion	Ratio	Lower	Upper
43	100		
58	38.8	30.0	45.0

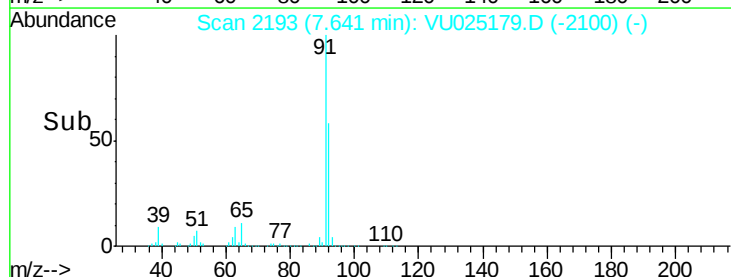
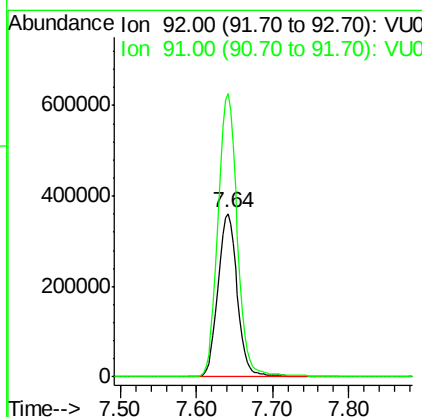
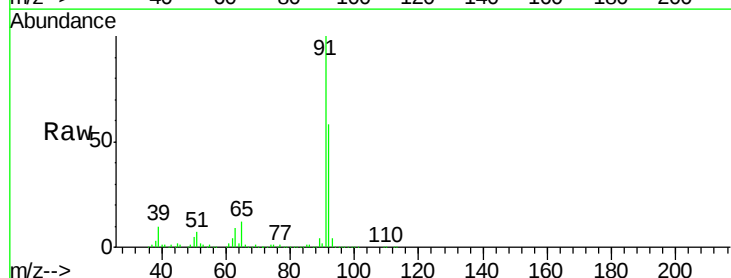
Manual Integrations
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#52
 Toluene
 Concen: 110.65 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Tgt Ion	92	Resp	637474
Ion	Ratio	Lower	Upper
92	100		
91	174.4	140.5	210.7





#53

t-1,3-Dichloropropene

Concen: 47.81 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818MSD

Tot Ion: 75 Resp: 179423

Ion Ratio Lower Upper

75 100

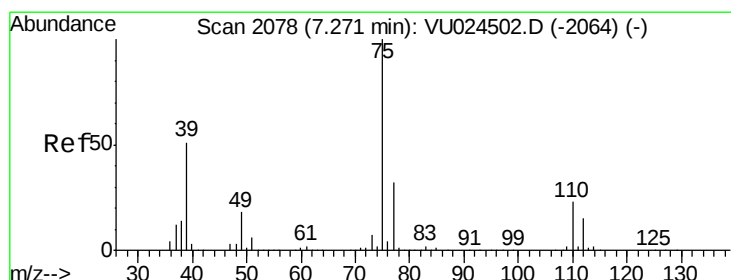
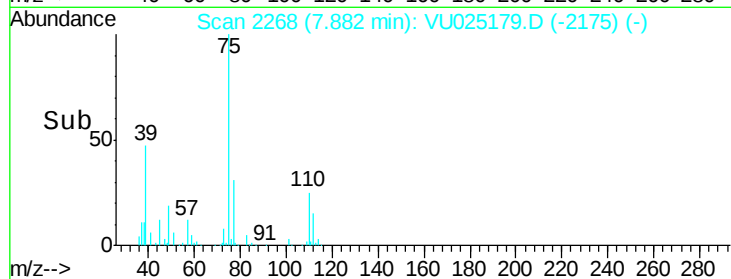
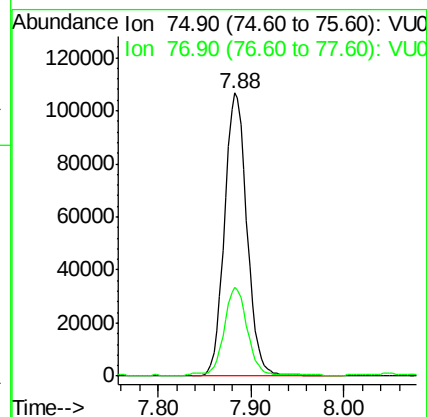
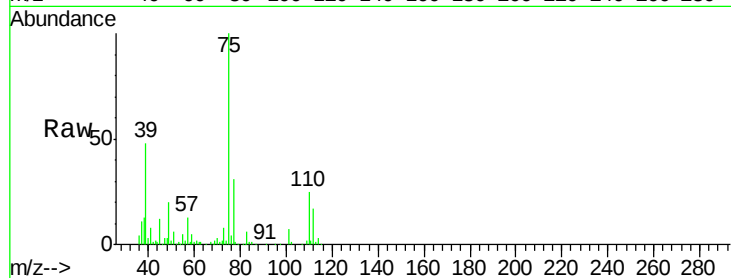
77 30.9 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 46.71 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

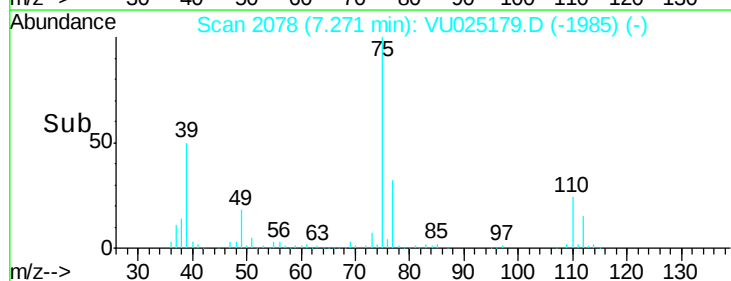
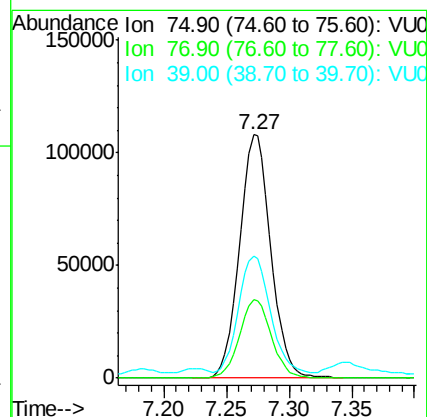
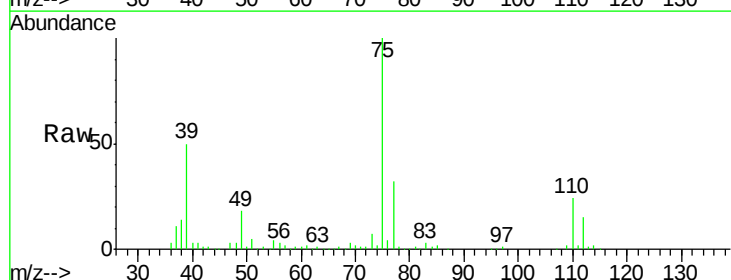
Tgt Ion: 75 Resp: 186805

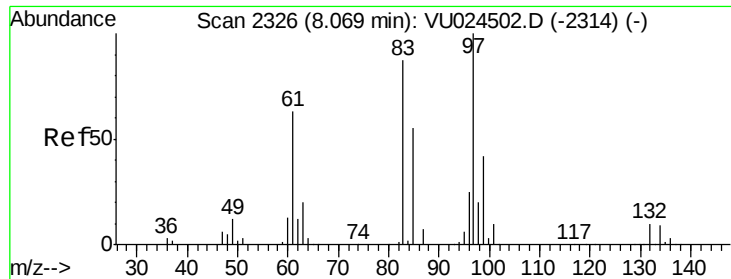
Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

39 46.5 39.8 59.6





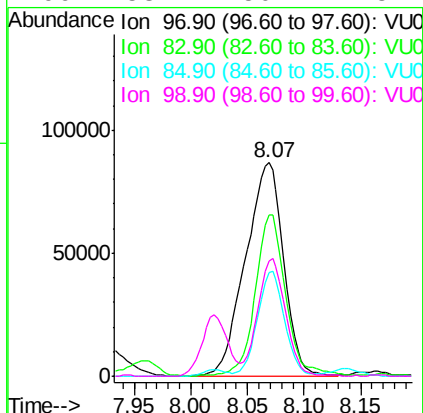
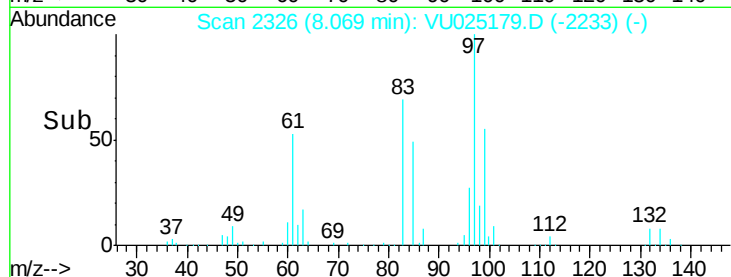
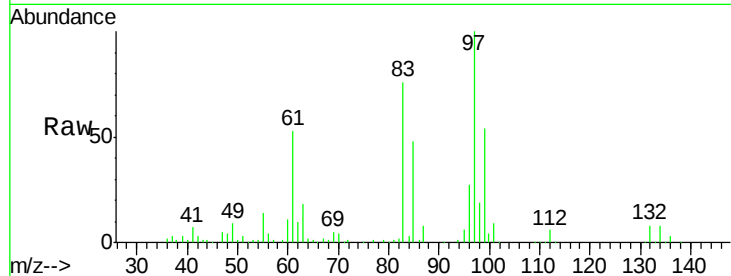
#55
 1,1,2-Trichloroethane
 Concen: 86.69 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MSD

Tot Ion	97	Resp	203009
Ion Ratio	Lower	Upper	
97	100		
83	75.7	70.5	105.7
85	48.1	46.4	69.6
99	53.7	50.2	75.2

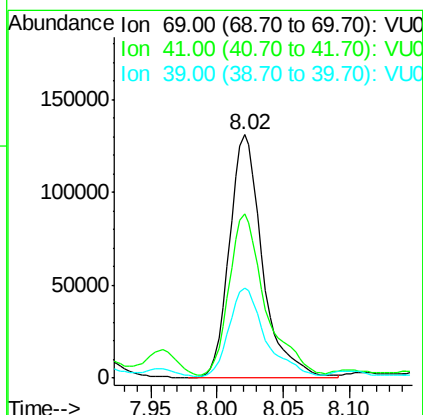
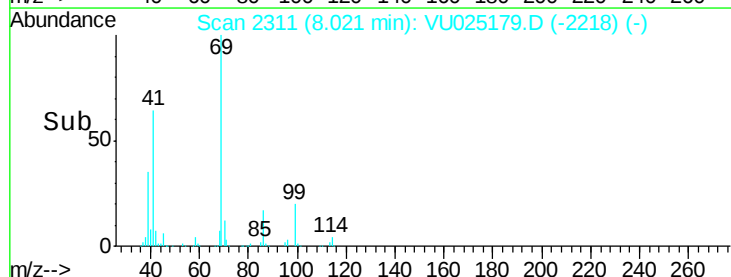
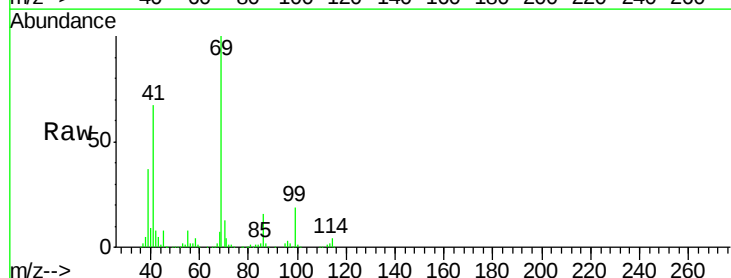
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 57.82 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Tgt Ion	69	Resp	226630
Ion Ratio	Lower	Upper	
69	100		
41	72.1	54.1	81.1
39	39.4	30.3	45.5





#57

1,3-Dichloropropane

Concen: 55.72 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818MSD

Tot Ion: 76 Resp: 220134

Ion Ratio Lower Upper

76 100

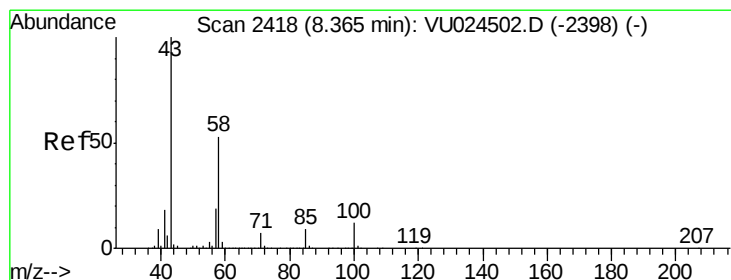
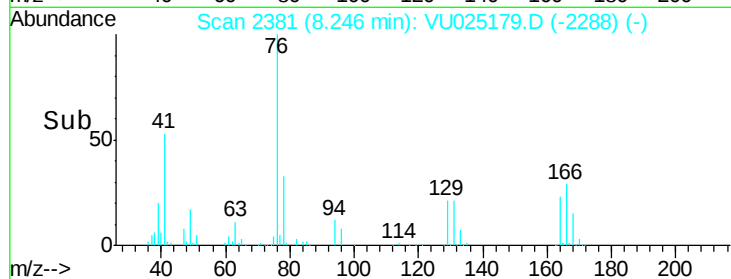
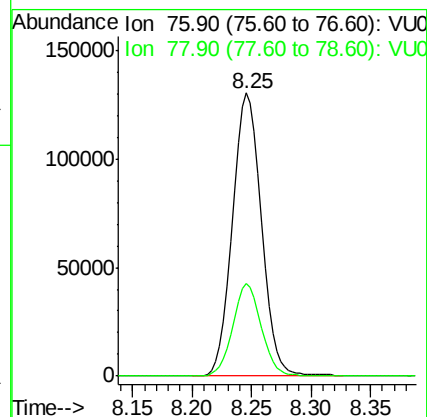
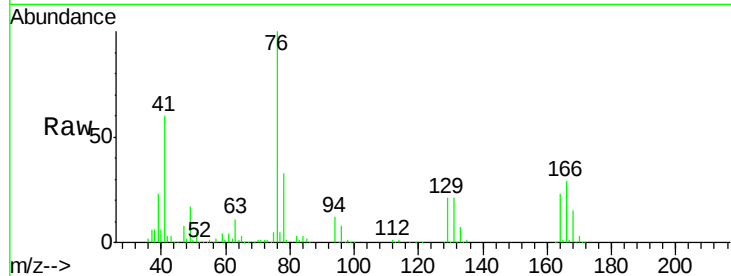
78 32.3 25.2 37.8

Manual Integrations

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#59

2-Hexanone

Concen: 280.24 ug/l

RT: 8.36 min Scan# 2418

Delta R.T. -0.00 min

Lab File: VU025179.D

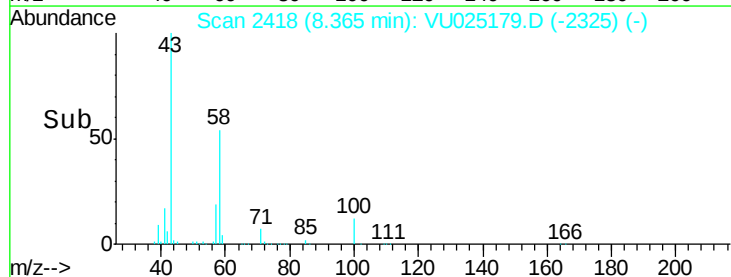
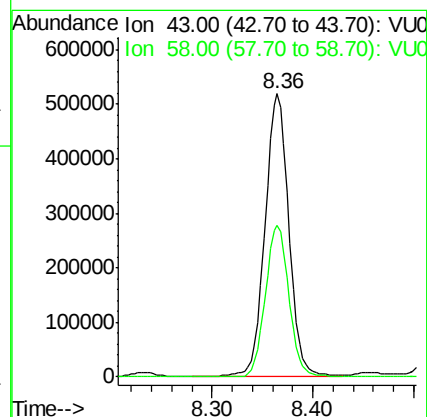
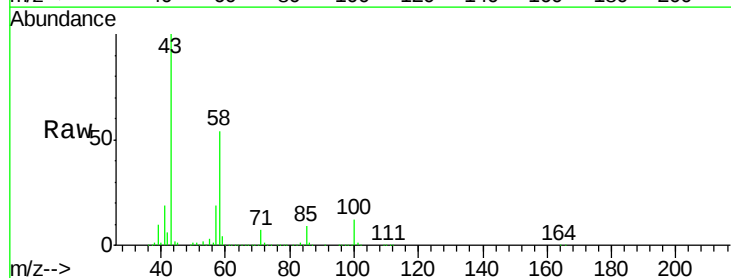
Acq: 03 Jul 2018 07:05

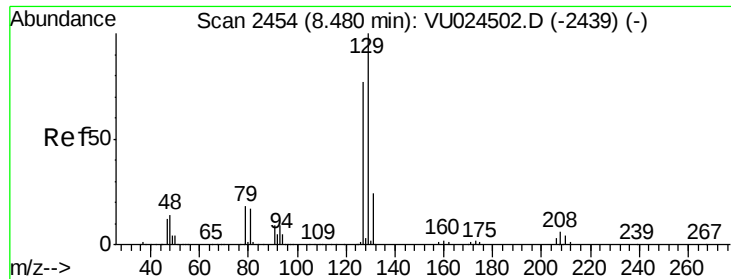
Tgt Ion: 43 Resp: 851034

Ion Ratio Lower Upper

43 100

58 53.0 26.4 79.0





#60

Dibromochloromethane

Concen: 50.94 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818MSD

Tot Ion:129 Resp: 148760

Ion Ratio Lower Upper

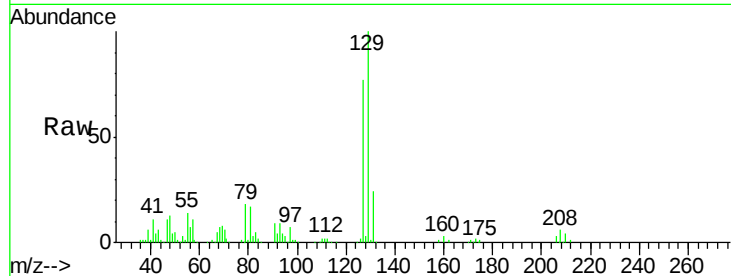
129 100

127 76.3 38.6 116.0

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.48

100000

80000

60000

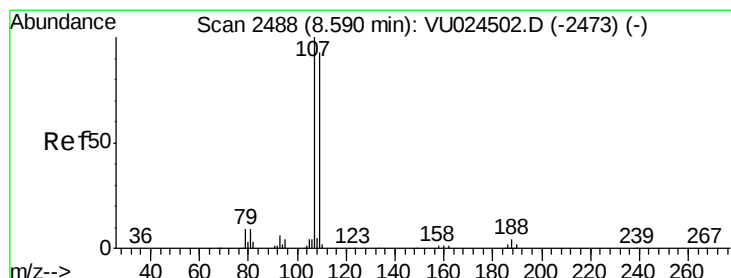
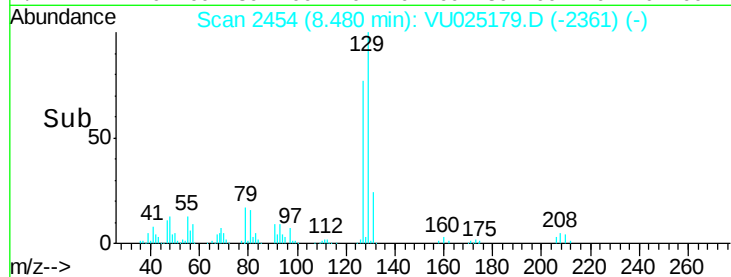
40000

20000

0

8.40 8.45 8.50 8.55

Time-->



#61

1,2-Dibromoethane

Concen: 55.76 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025179.D

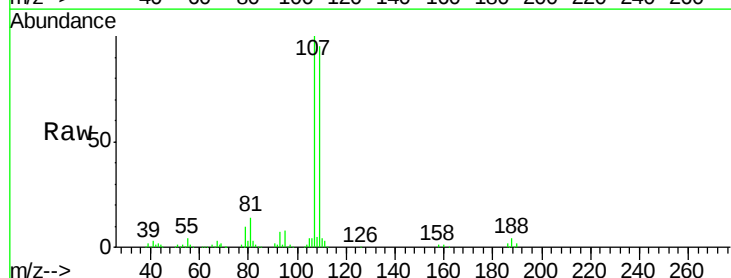
Acq: 03 Jul 2018 07:05

Tgt Ion:107 Resp: 145334

Ion Ratio Lower Upper

107 100

109 93.8 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

100000

80000

60000

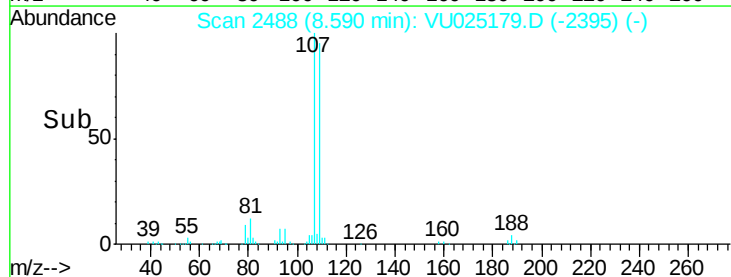
40000

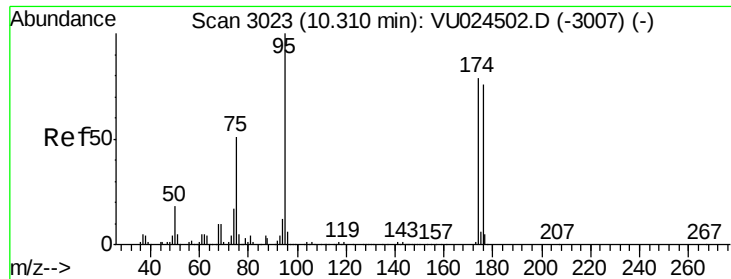
20000

0

8.50 8.55 8.60 8.65 8.70

Time-->





#62

4-Bromofluorobenzene

Concen: 47.31 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

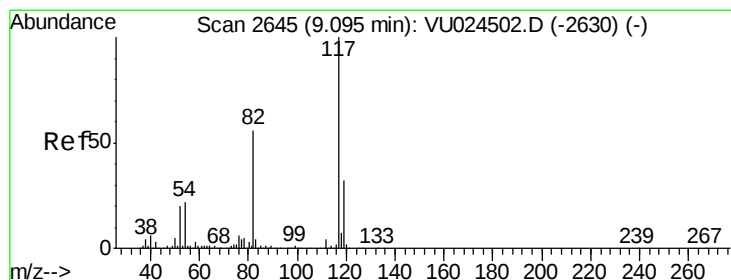
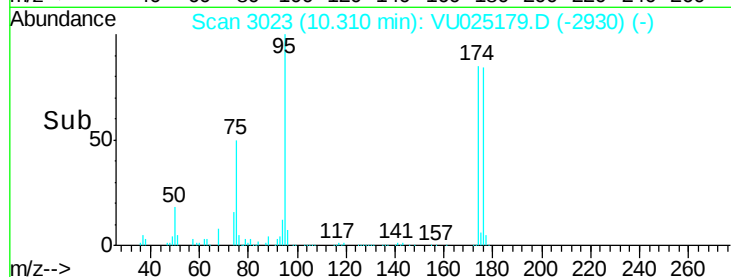
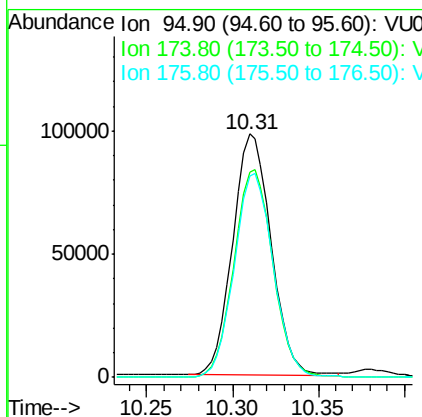
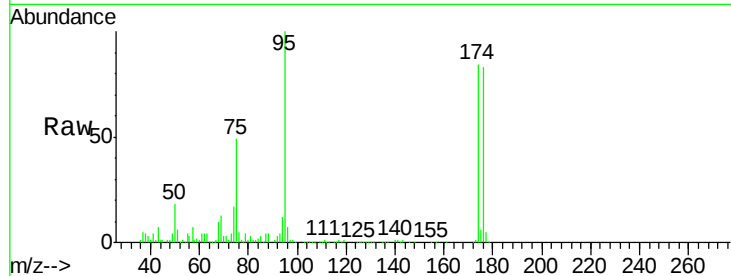
ClientSampleId :

MW-1-062818MSD

Tot Ion:	95	Resp:	152093
Ion Ratio	Lower	Upper	
95	100		
174	87.5	0.0	165.8
176	85.8	0.0	159.4

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

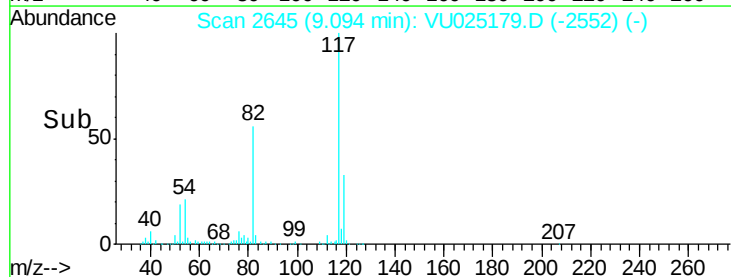
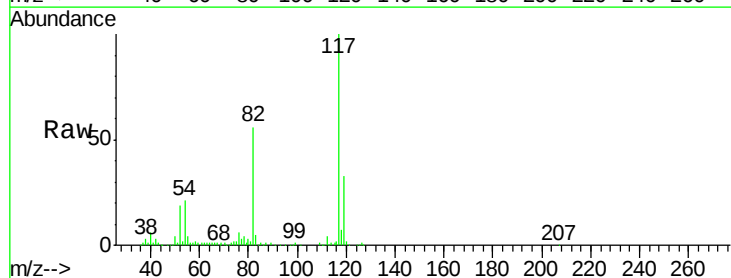
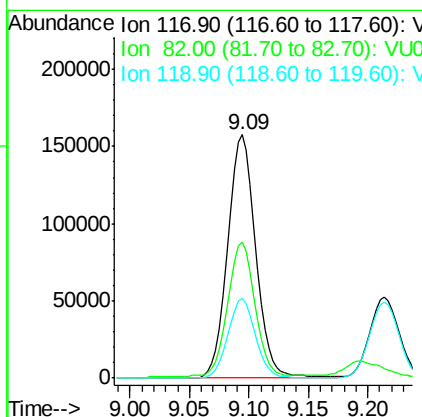
RT: 9.09 min Scan# 2645

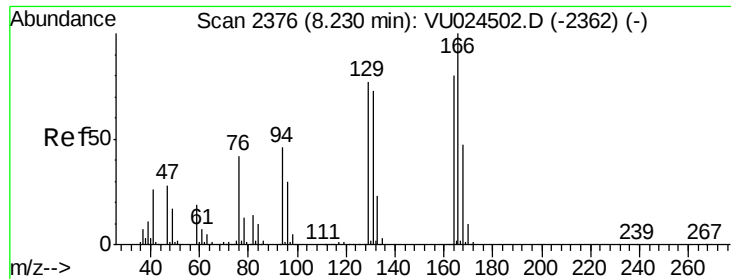
Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Tgt Ion:	117	Resp:	257870
Ion Ratio	Lower	Upper	
117	100		
82	55.2	44.3	66.5
119	32.8	25.4	38.2





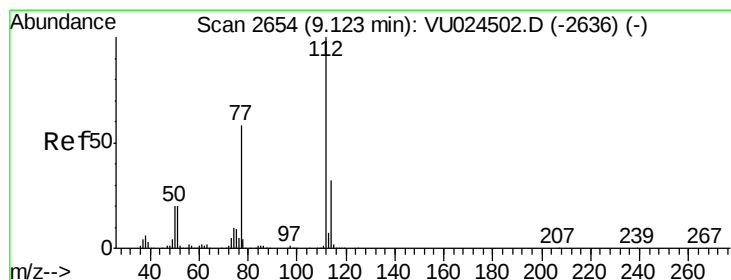
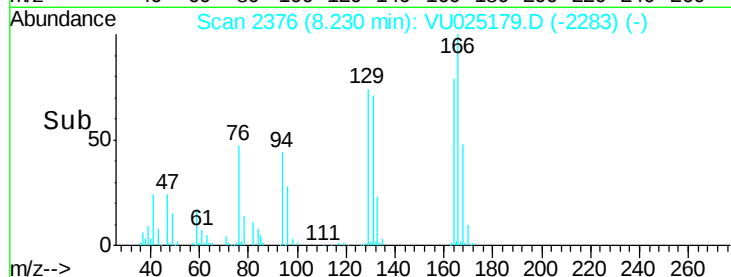
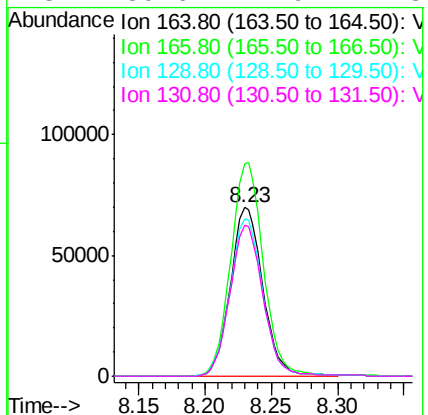
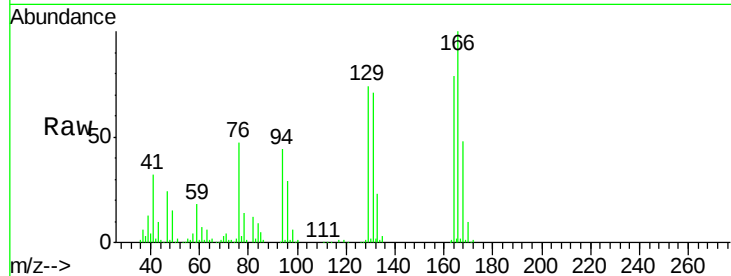
#64
Tetrachloroethene
Concen: 48.70 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.7	152.5
129	93.3	76.9	115.3
131	89.6	74.9	112.3

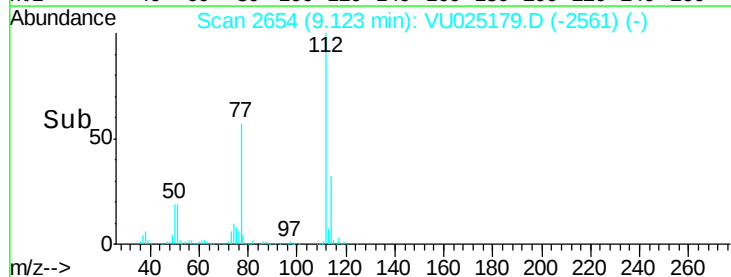
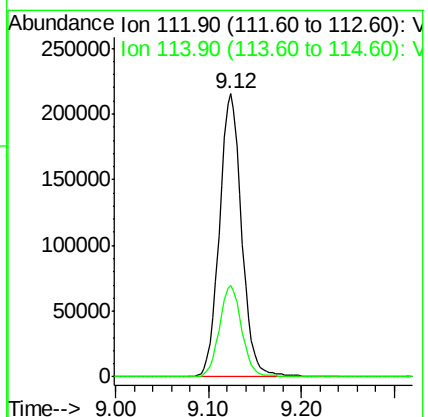
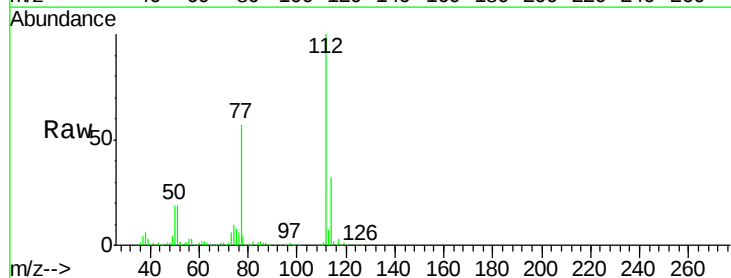
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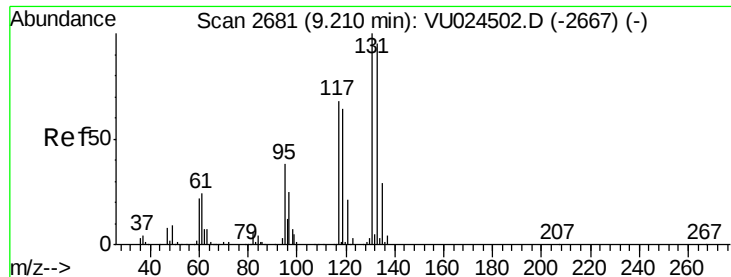
sam
7/3/2018 3:53:11 PM



#65
Chlorobenzene
Concen: 54.37 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.6	38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 53.26 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

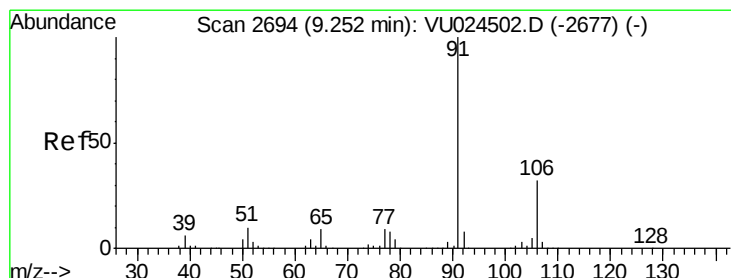
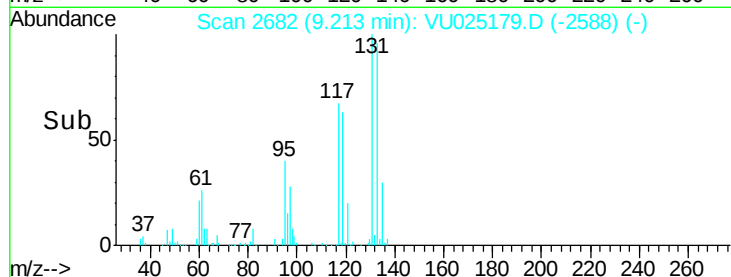
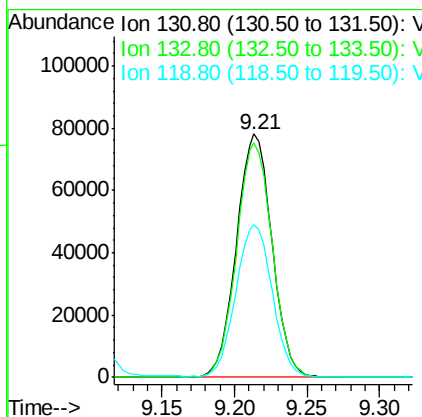
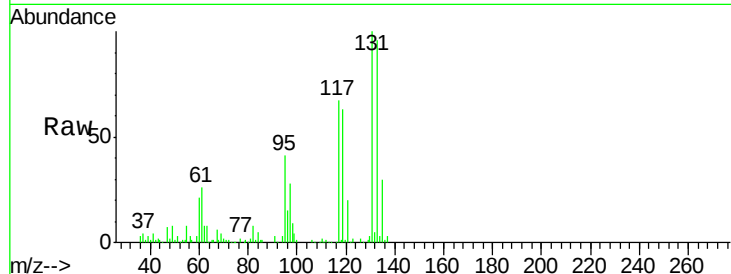
ClientSampleId :

MW-1-062818MSD

Tot Ion:	131	Resp:	133297
Ion Ratio	Lower	Upper	
131	100		
133	96.5	46.9	140.8
119	64.3	33.5	100.4

Manual Integrations
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#67

Ethyl Benzene

Concen: 1089.66 ug/l

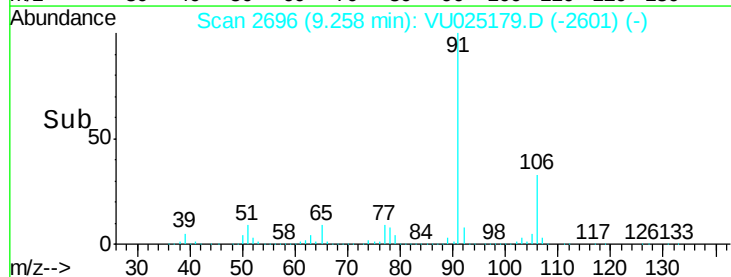
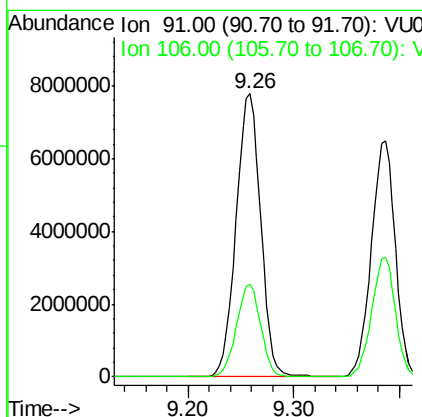
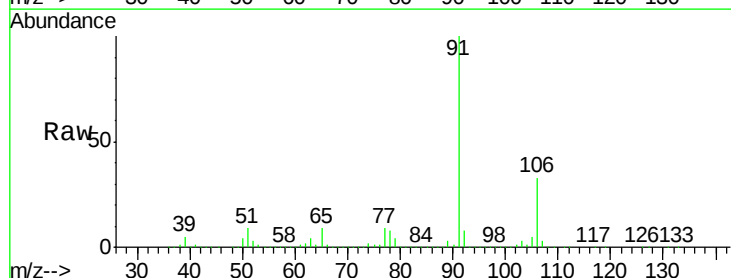
RT: 9.26 min Scan# 2696

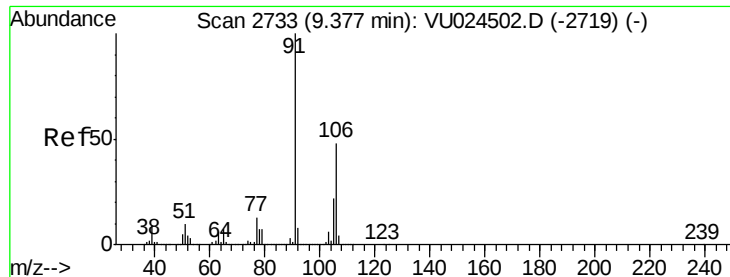
Delta R.T. 0.01 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Tgt Ion:	91	Resp:	12584125
Ion Ratio	Lower	Upper	
91	100		
106	32.8	24.2	36.4





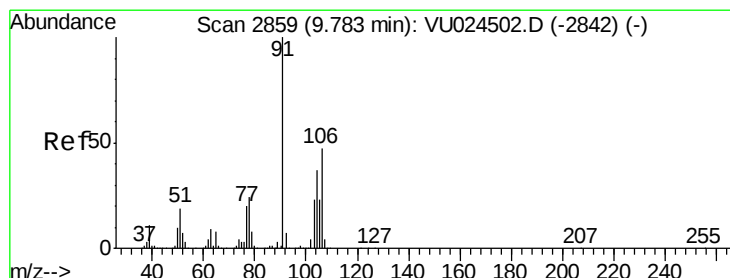
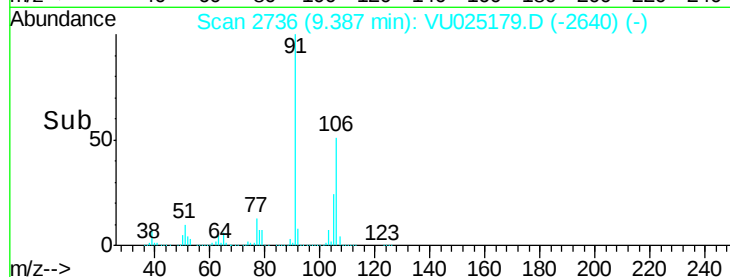
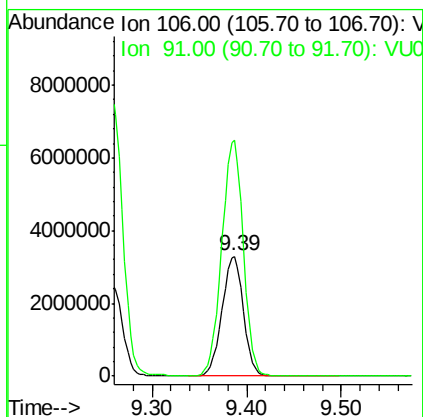
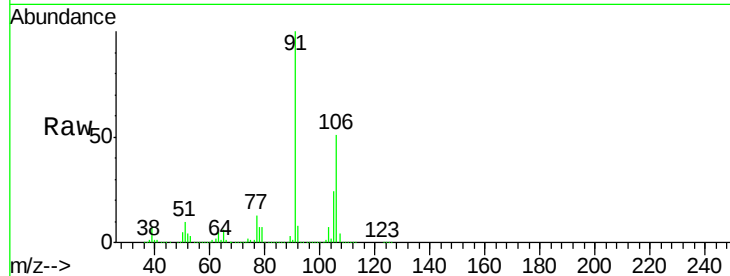
#68
m/p-Xylenes
Concen: 1163.19 ug/l
RT: 9.39 min Scan# 2736
Delta R.T. 0.01 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818MSD

Tot Ion:106 Resp: 5158376
Ion Ratio Lower Upper
106 100
91 198.8 166.5 249.7

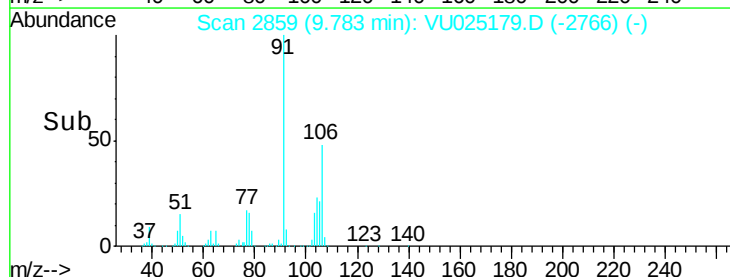
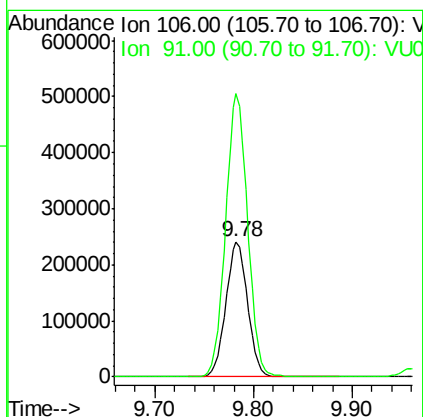
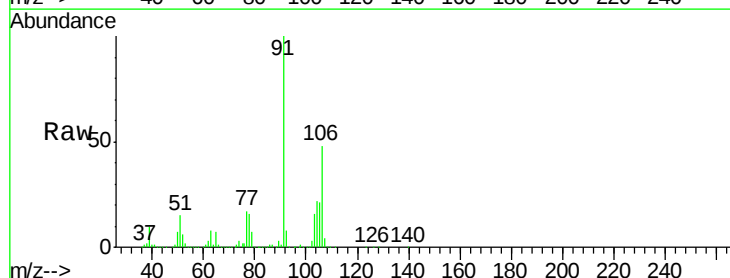
Manual Integrations
APPROVED

sam
7/3/2018 3:53:11 PM



#69
o-Xylene
Concen: 85.21 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Tgt Ion:106 Resp: 373994
Ion Ratio Lower Upper
106 100
91 210.9 110.7 331.9





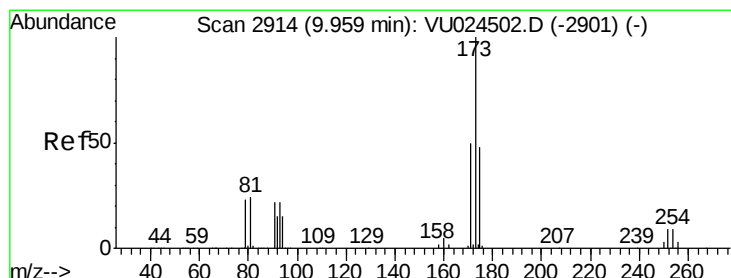
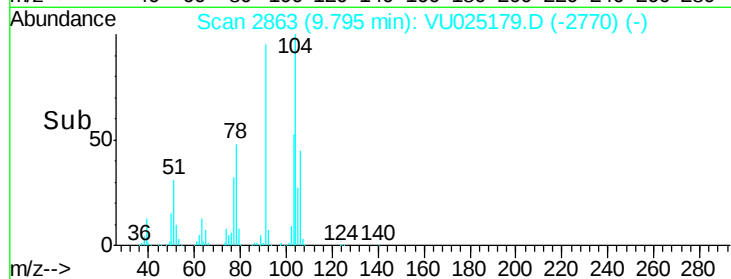
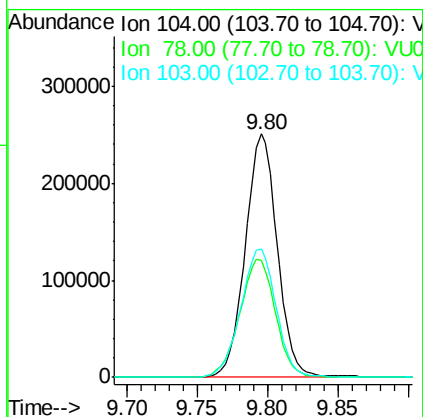
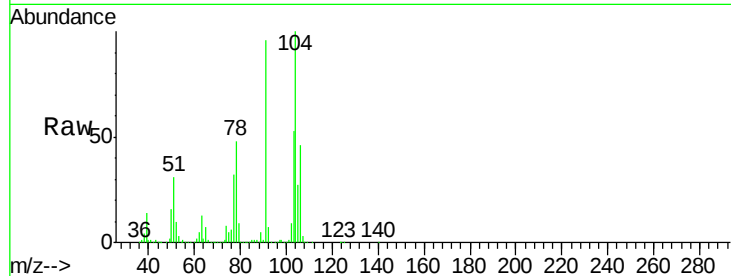
#70
Stvrene
Concen: 55.29 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	398785		
78	54.6		40.6	60.8
103	58.4		44.7	67.1

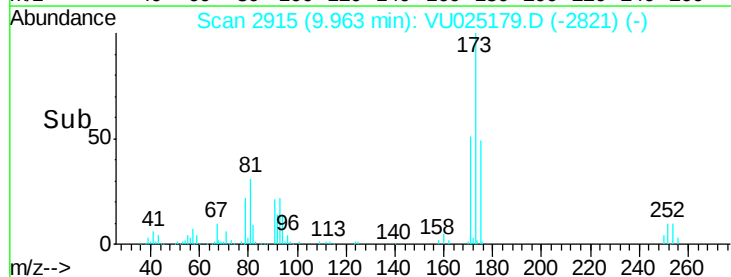
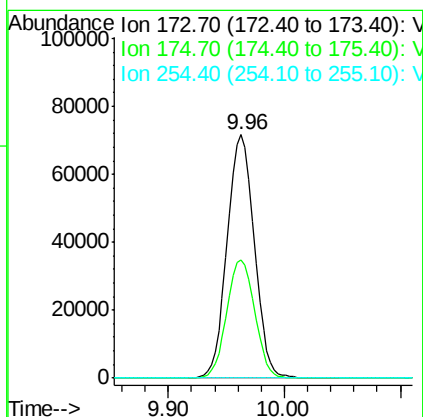
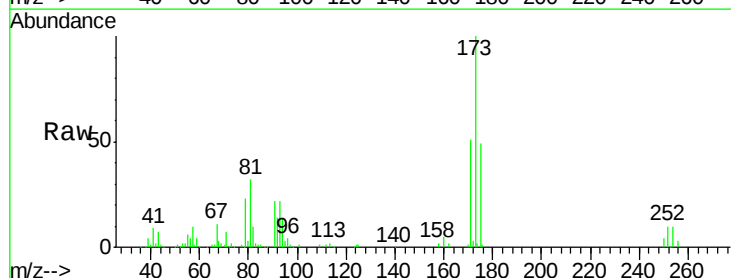
Manual Integrations
APPROVED

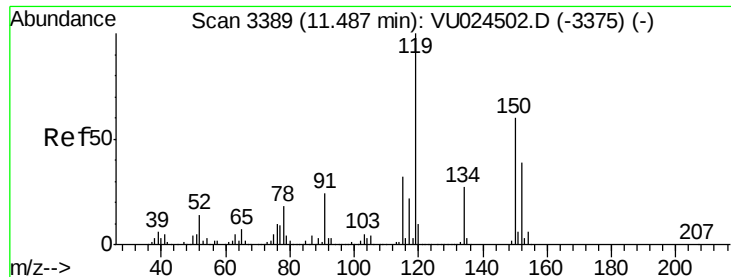
sam
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#71
Bromoform
Concen: 48.80 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	116081		
175	49.8		24.6	74.0
254	0.0		0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818MSD

Tot Ion:152 Resp: 160506

Ion Ratio Lower Upper

152 100

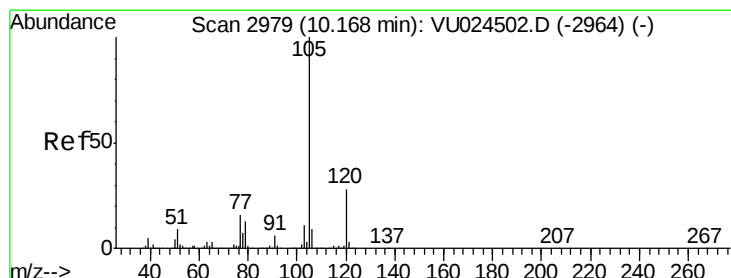
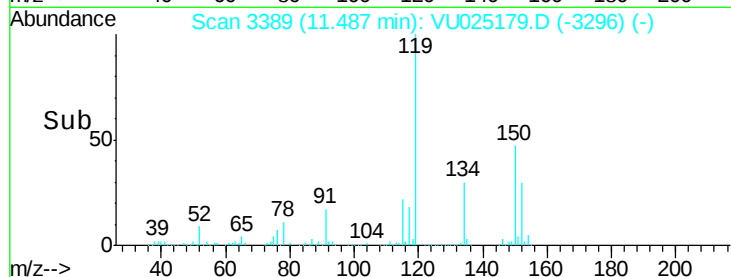
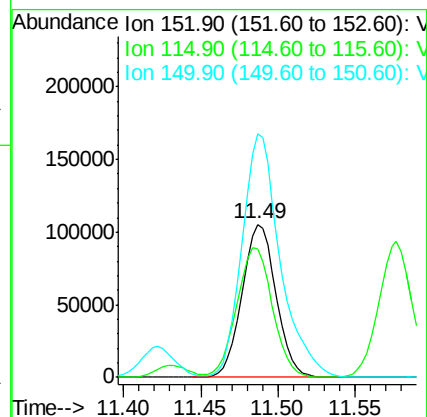
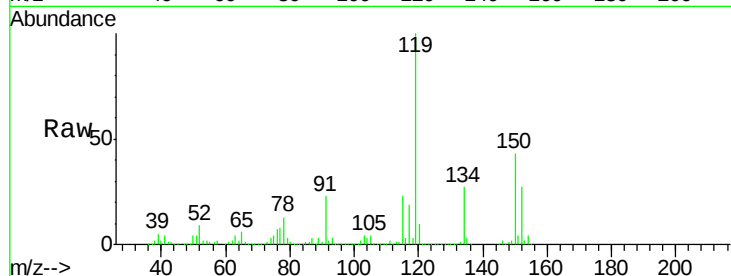
115 88.5 43.0 129.0

150 178.4 0.0 354.0

Manual Integrations
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#73

Isopropylbenzene

Concen: 114.10 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025179.D

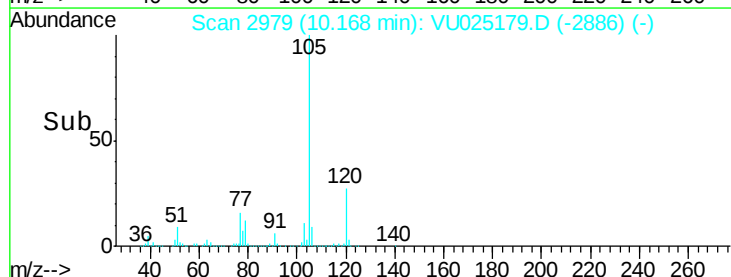
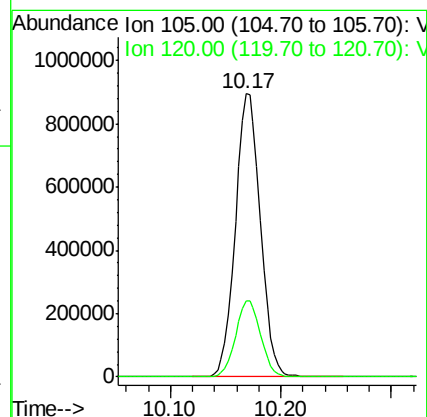
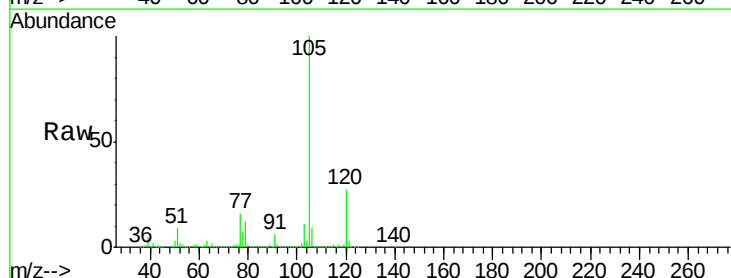
Acq: 03 Jul 2018 07:05

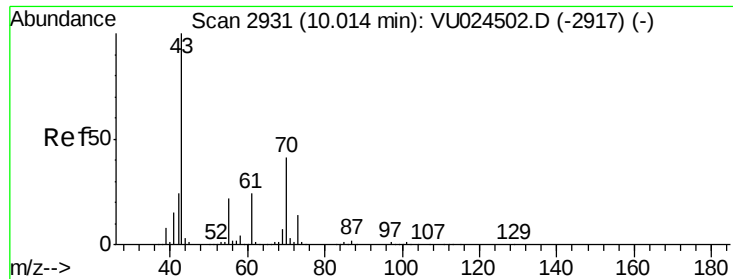
Tgt Ion:105 Resp: 1406058

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6





#74

N-amvl acetate

Concen: 45.01 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

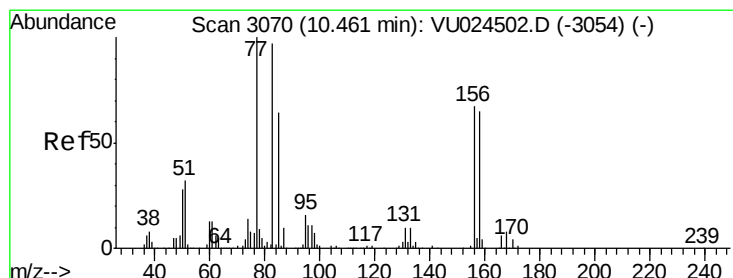
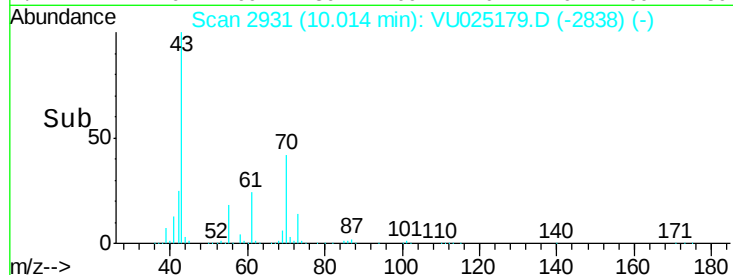
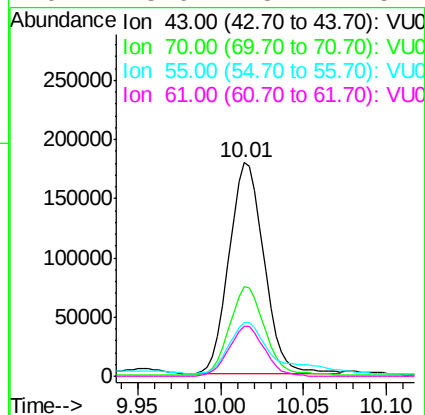
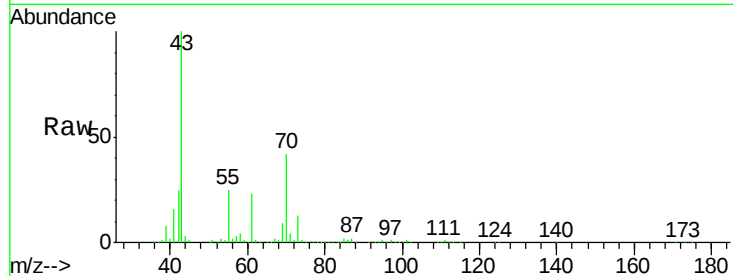
ClientSampleId :

MW-1-062818MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
70	43.3	32.2	48.4		
55	31.5	20.5	30.7		
61	23.9	18.7	28.1		

Manual Integrations
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sam
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#75

1,1,2,2-Tetrachloroethane

Concen: 53.28 ug/l

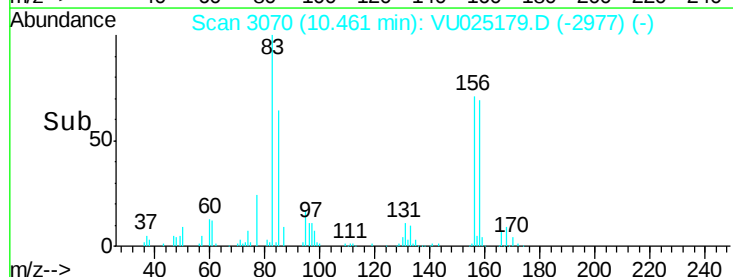
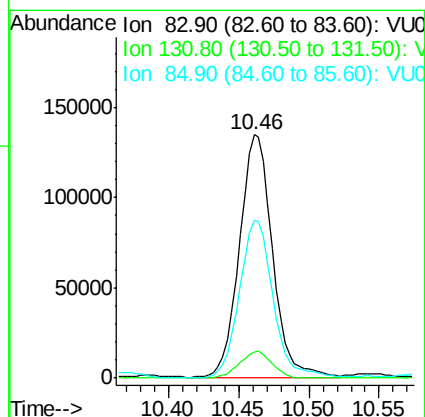
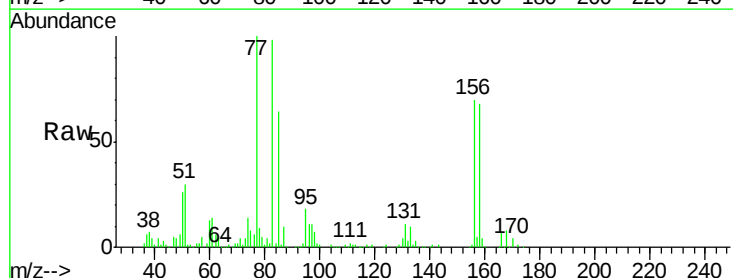
RT: 10.46 min Scan# 3070

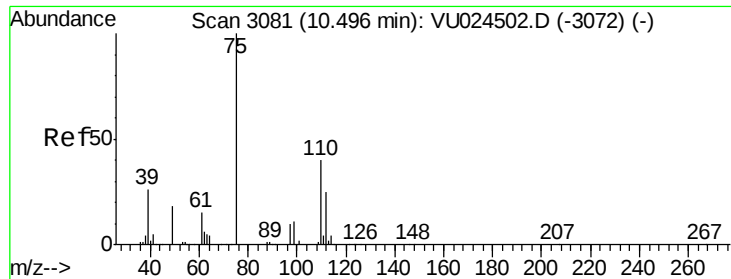
Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
131	11.0	4.7	14.1		
85	66.4	32.5	97.5		





#76

1,2,3-Trichloropropane

Concen: 54.88 ug/l m

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818MSD

Tot Ion: 75 Resp: 193946

Ion Ratio Lower Upper

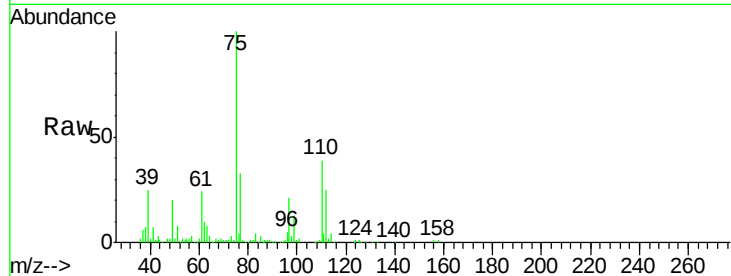
75 100

77 37.6 20.9 62.7

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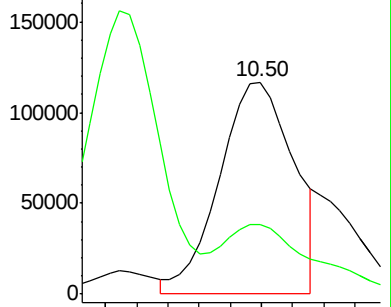
sam

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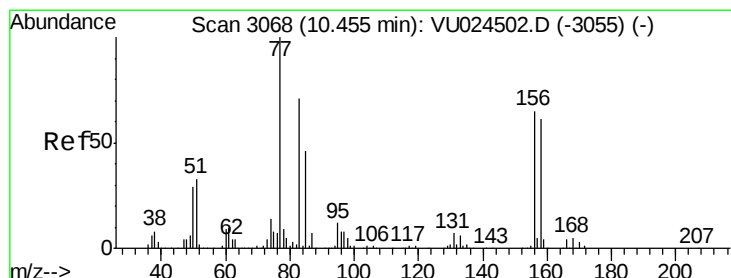
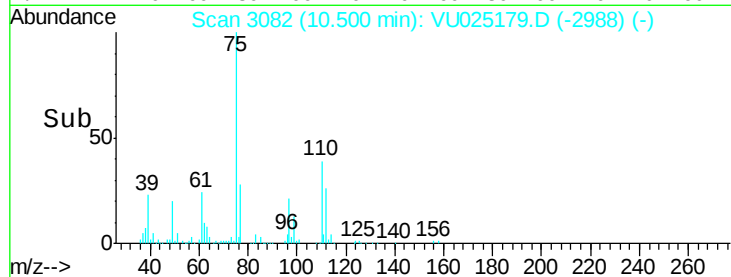


Abundance Ion 74.90 (74.60 to 75.60): VU025179.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025179.D (-2988) (-)



Time-->



#77

Bromobenzene

Concen: 54.80 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

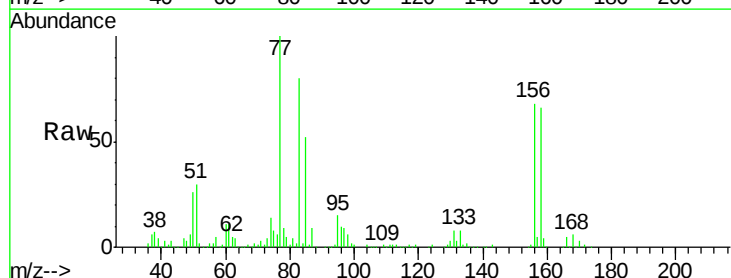
Tgt Ion: 156 Resp: 170972

Ion Ratio Lower Upper

156 100

77 146.1 80.5 241.3

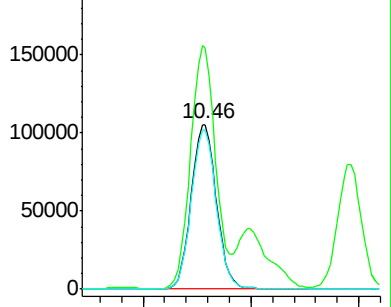
158 96.6 48.2 144.6



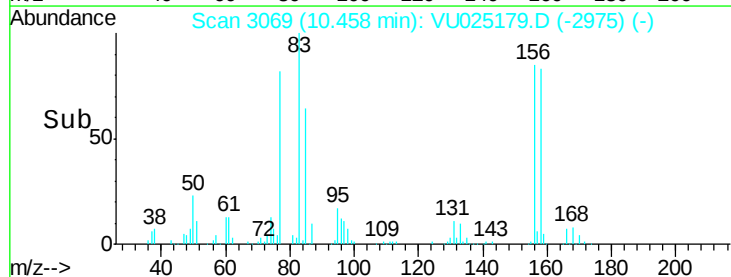
Abundance Ion 155.80 (155.50 to 156.50): VU025179.D (-2975) (-)

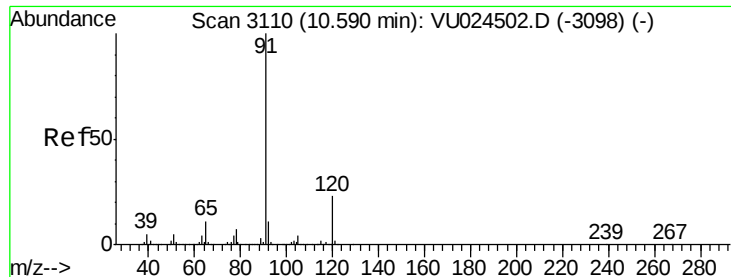
Ion 77.00 (76.70 to 77.70): VU025179.D (-2975) (-)

Ion 157.80 (157.50 to 158.50): VU025179.D (-2975) (-)



Time-->





#78

n-propylbenzene

Concen: 208.36 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818MSD

Tot Ion: 91 Resp: 3024578

Ion Ratio Lower Upper

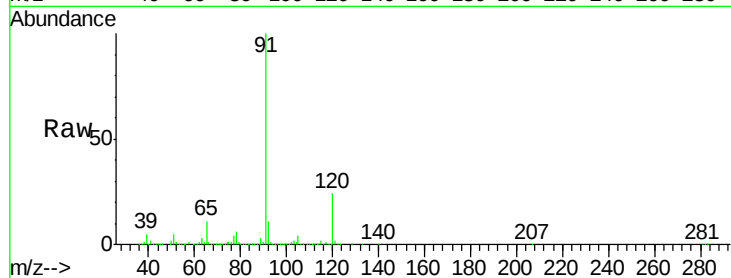
91 100

120 23.8 11.2 33.5

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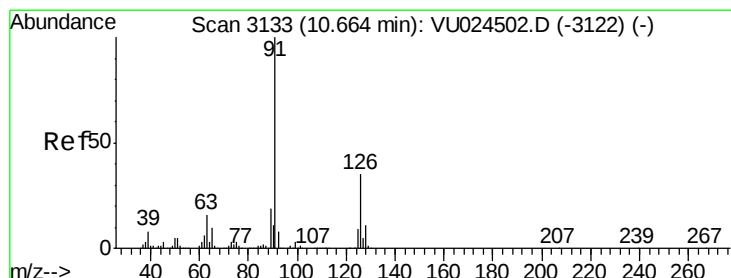
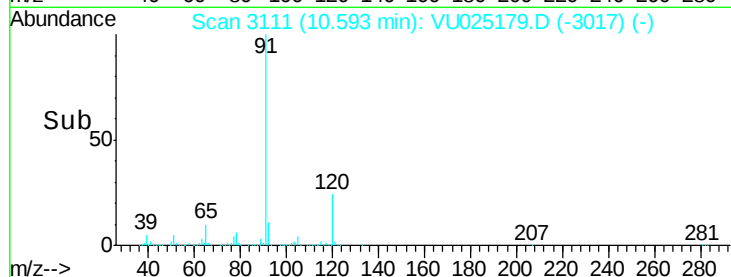
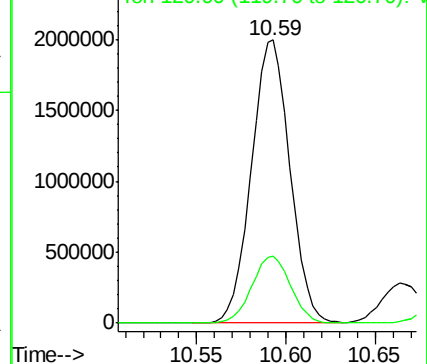
sam

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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 56.68 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025179.D

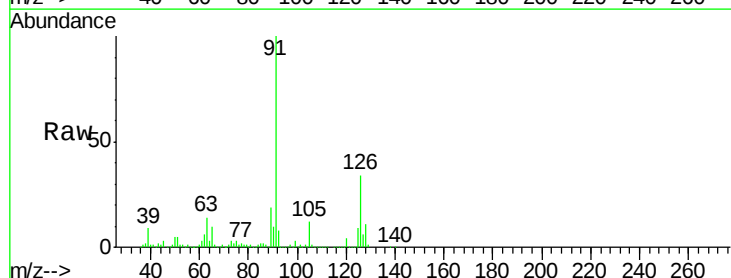
Acq: 03 Jul 2018 07:05

Tgt Ion: 91 Resp: 485169

Ion Ratio Lower Upper

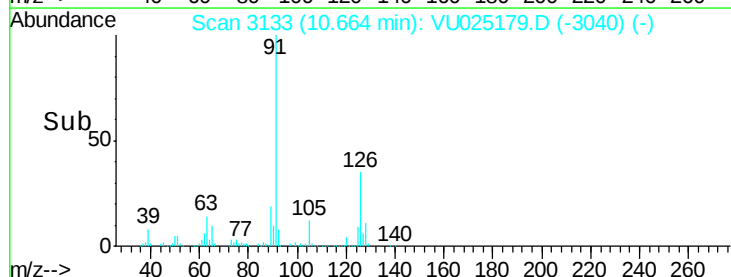
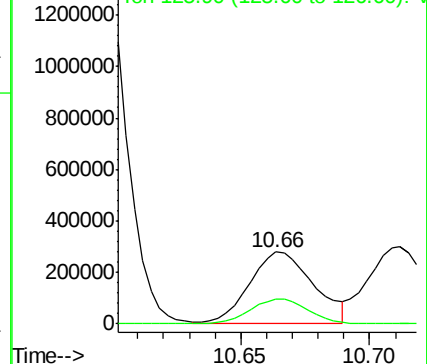
91 100

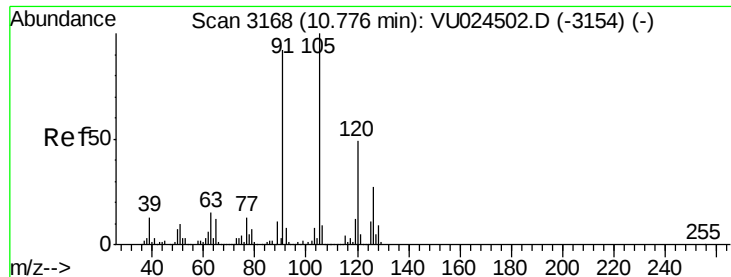
126 31.7 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 58.90 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818MSD

Tot Ion:105 Resp: 629107

Ion Ratio Lower Upper

105 100

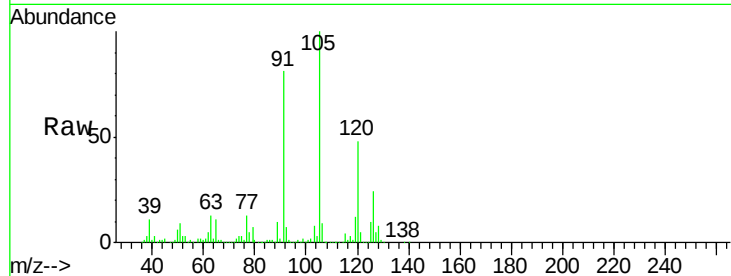
120 48.6 24.1 72.2

Manual Integrations

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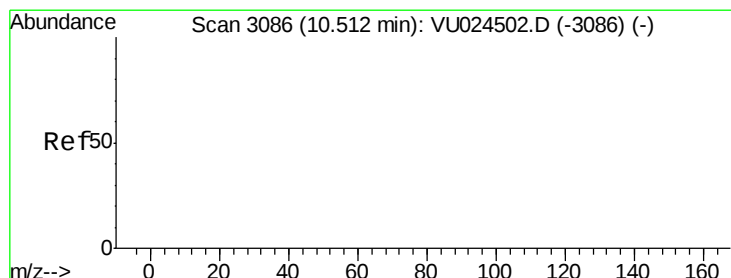
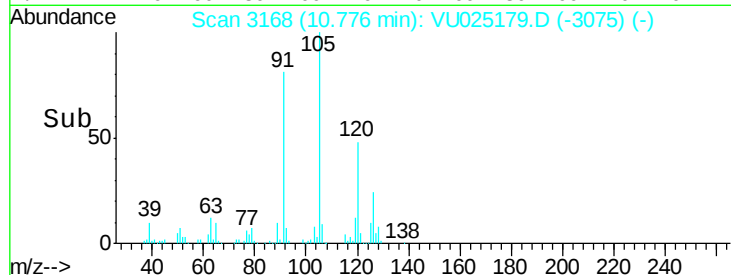
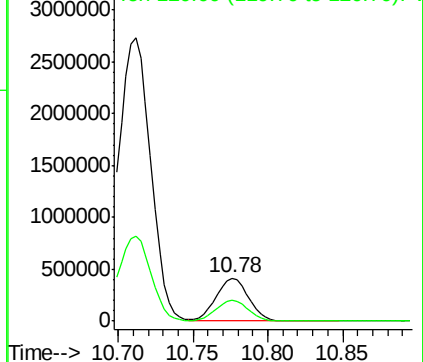
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 43.10 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

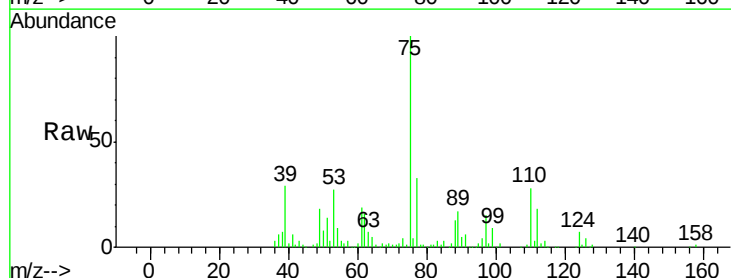
Tgt Ion: 75 Resp: 65801

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

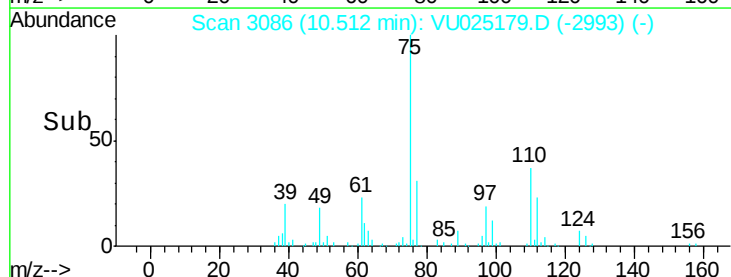
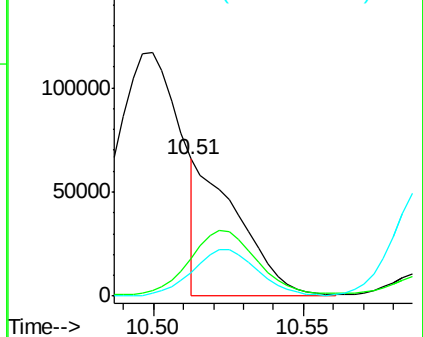
89 0.0 0.0 0.0

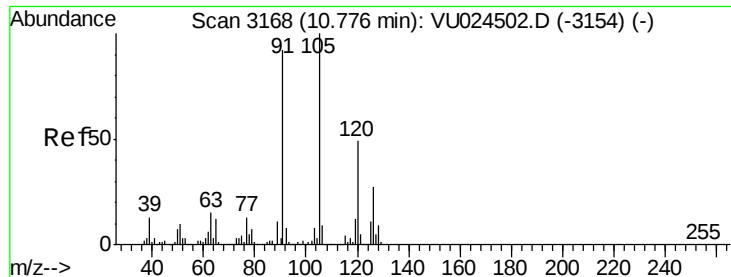


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





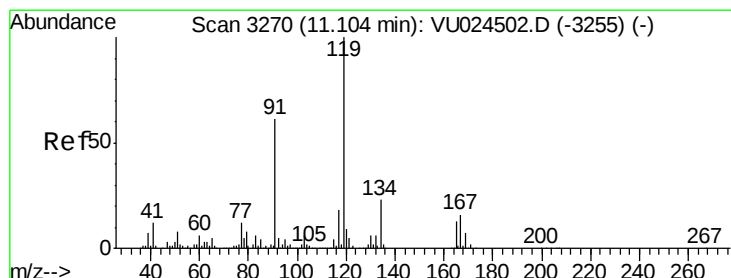
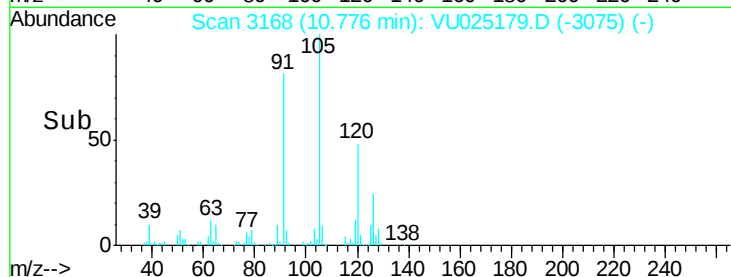
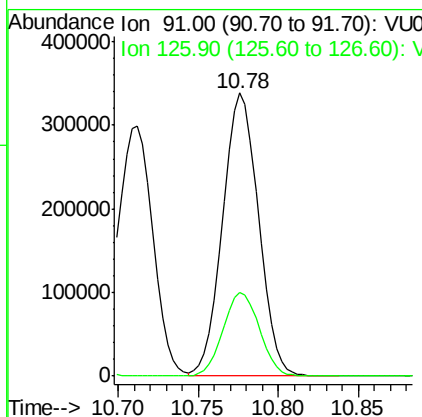
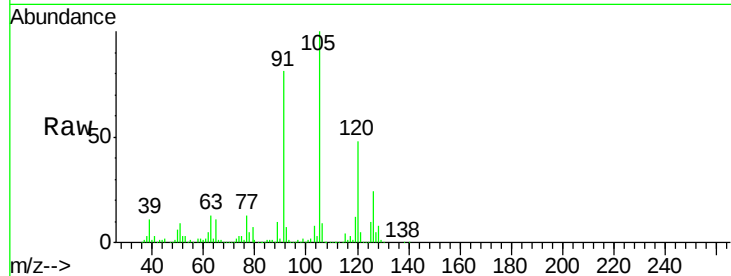
#82
4-Chlorotoluene
Concen: 51.91 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100	517183		
126	29.9	14.9	44.9	

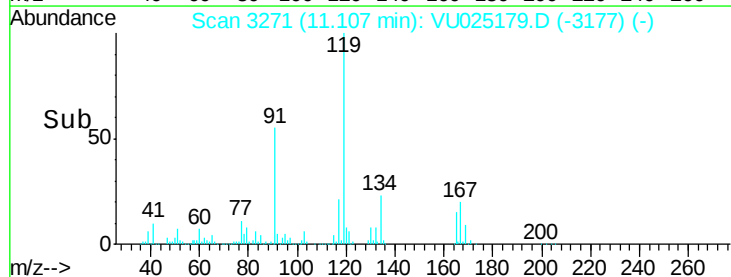
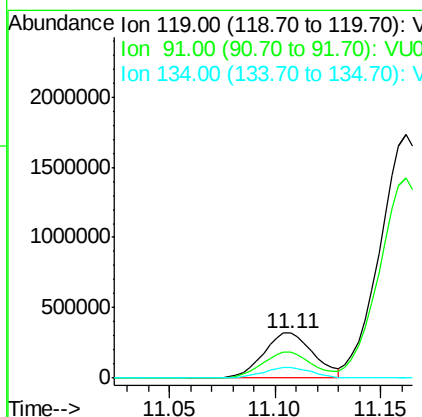
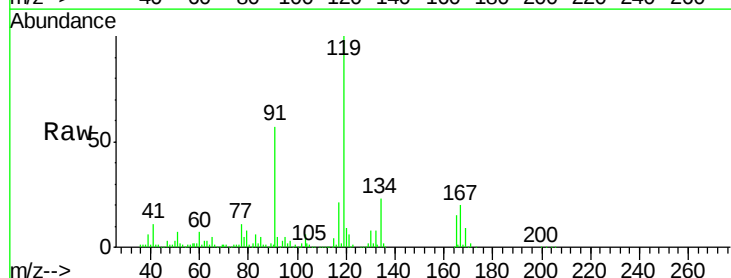
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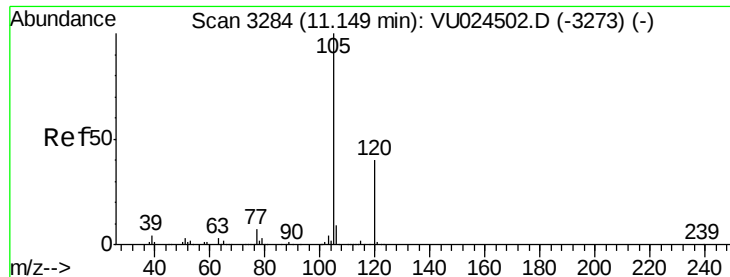
sam
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#83
tert-Butylbenzene
Concen: 51.58 ug/l
RT: 11.11 min Scan# 3271
Delta R.T. 0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	529907		
91	56.0	29.7	89.1	
134	23.0	11.6	34.7	





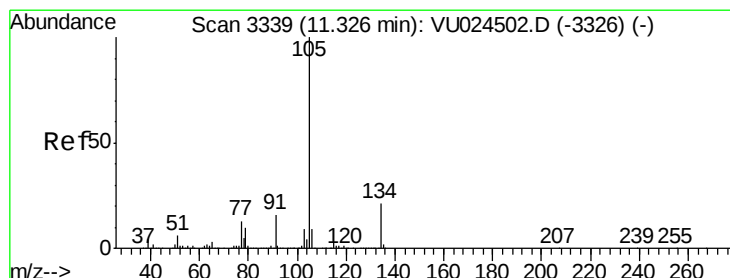
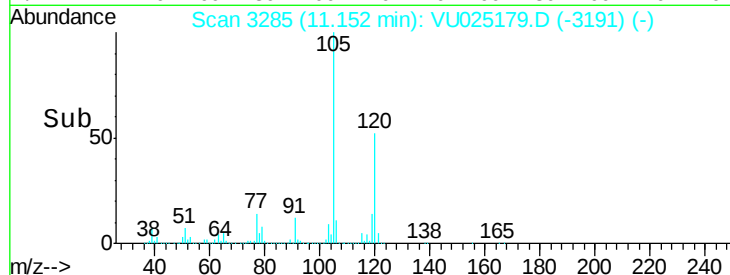
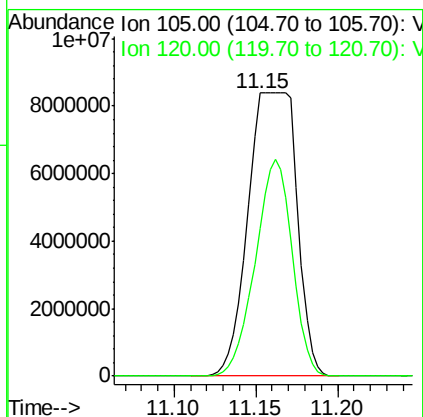
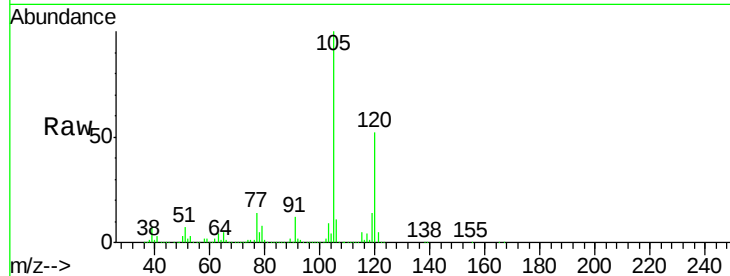
#84
 1,2,4-Trimethylbenzene
 Concen: 1601.61 ug/l m
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MSD

Tot Ion:105 Resp:17433239
 Ion Ratio Lower Upper
 105 100
 120 11.9 22.6 67.8#

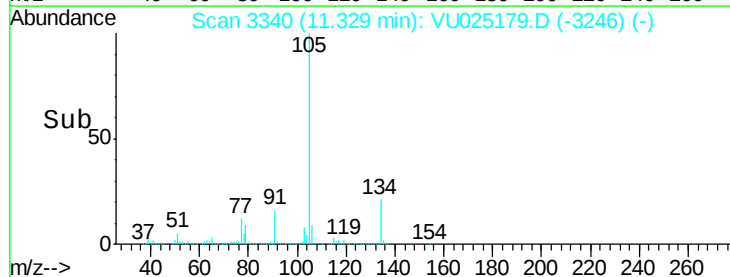
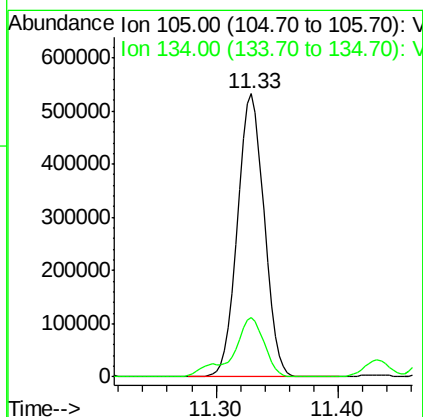
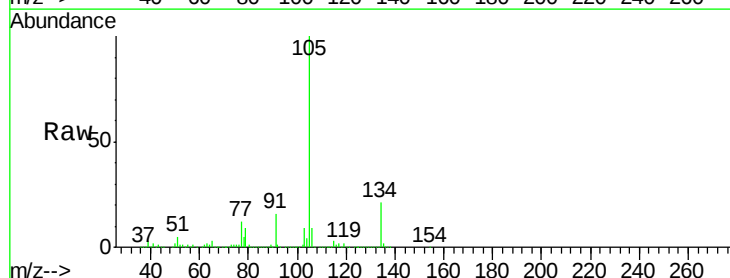
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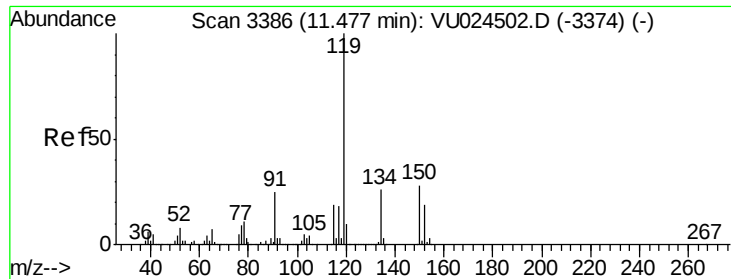
sam
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#85
 sec-Butylbenzene
 Concen: 62.38 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Tgt Ion:105 Resp: 802199
 Ion Ratio Lower Upper
 105 100
 134 21.3 9.7 29.1





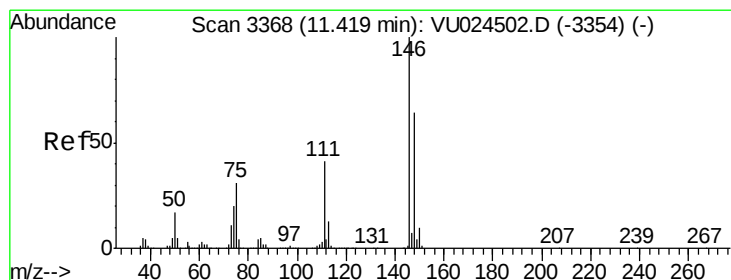
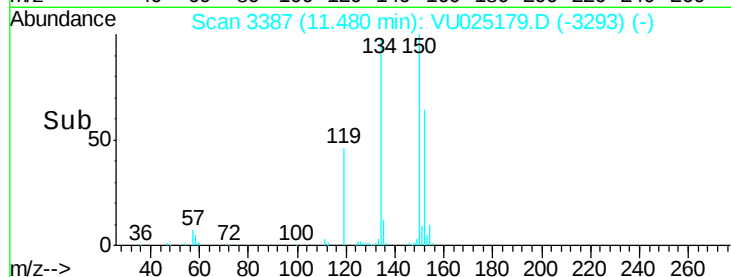
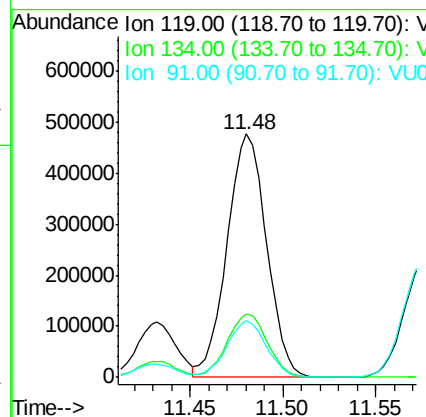
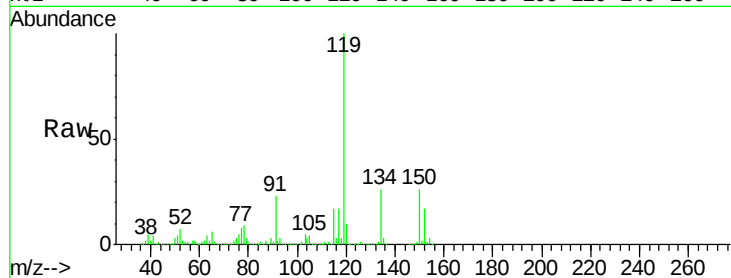
#86
 p-Isopropyltoluene
 Concen: 61.18 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.9	38.6
91	23.2	12.0	36.1

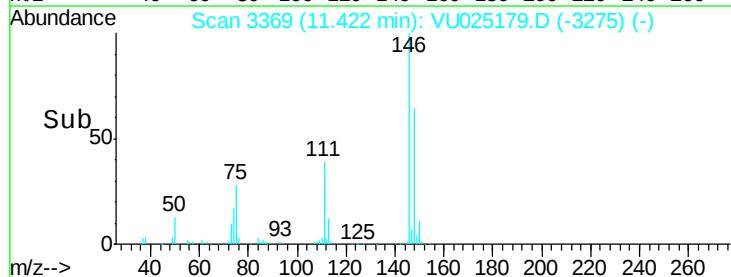
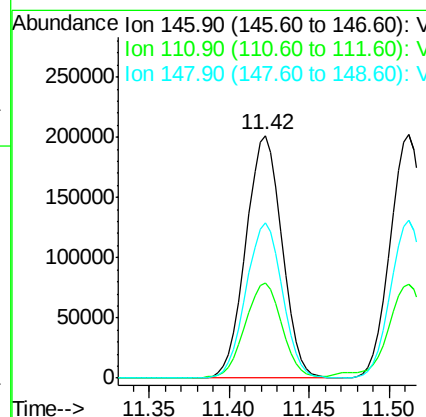
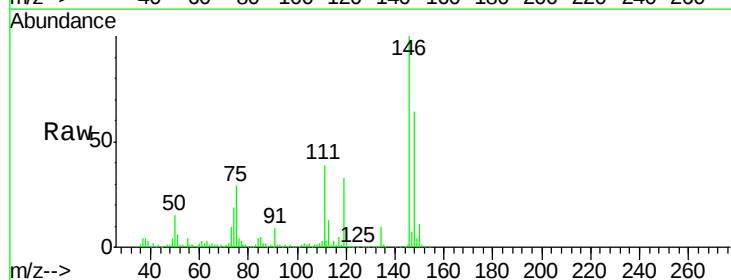
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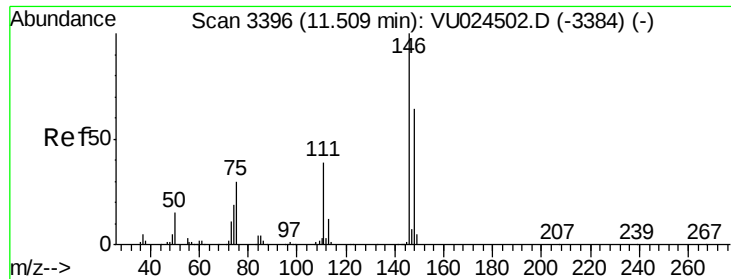
sam
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#87
 1,3-Dichlorobenzene
 Concen: 53.86 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	64.5	32.1	96.5





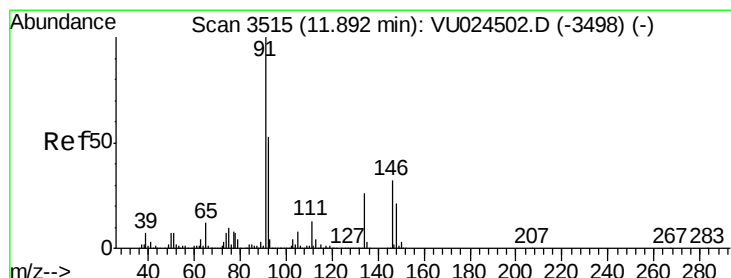
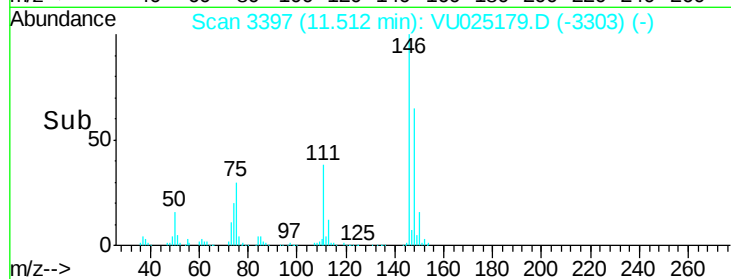
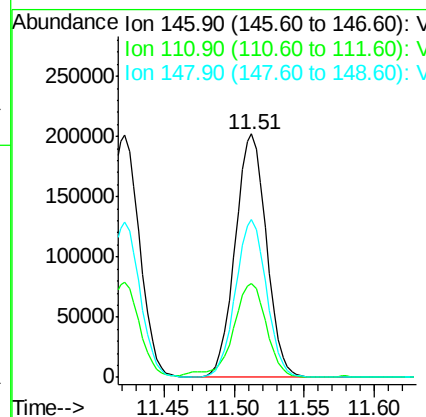
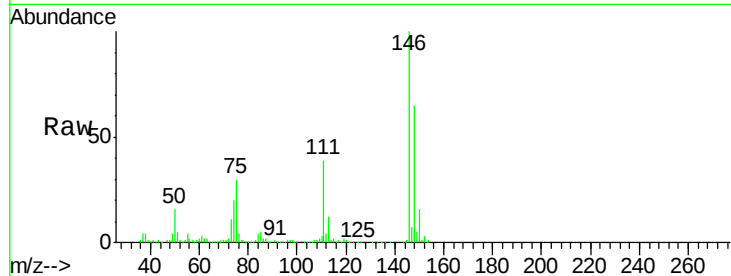
#88
 1,4-Dichlorobenzene
 Concen: 53.96 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.5	58.5
148	64.2	32.4	97.0

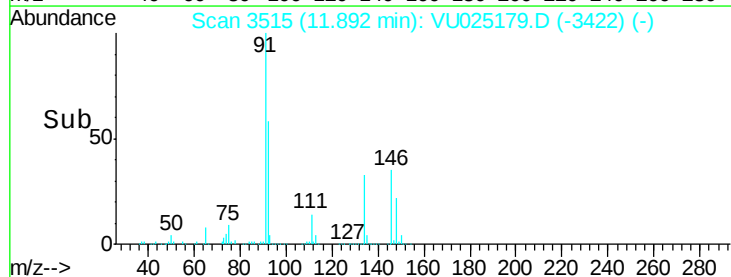
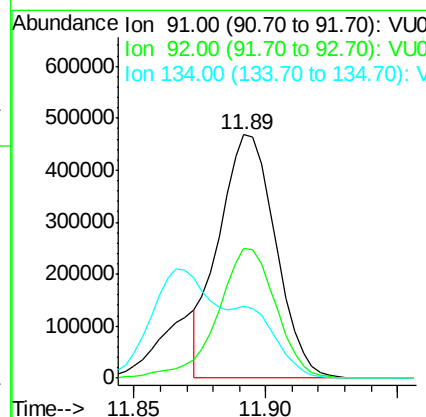
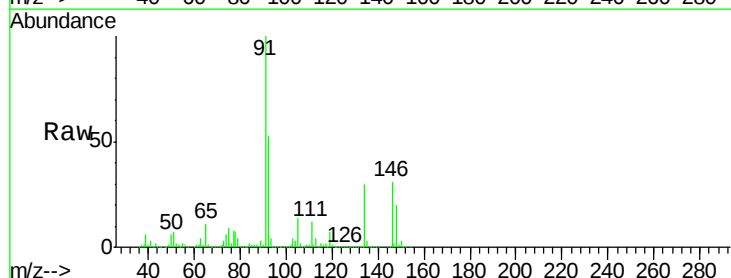
Manual Integrations
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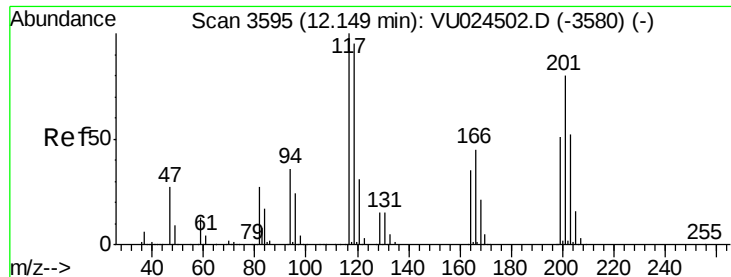
sam
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#89
 n-Butylbenzene
 Concen: 68.53 ug/l m
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	25.6	76.8
134	0.0	12.3	36.8#





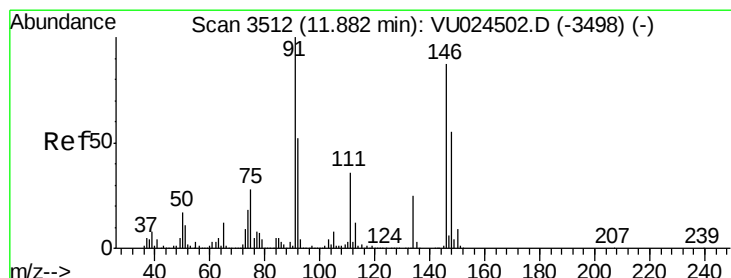
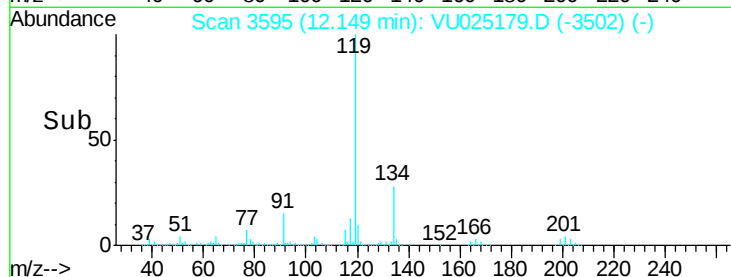
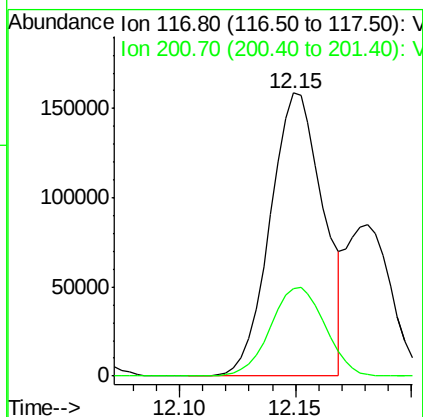
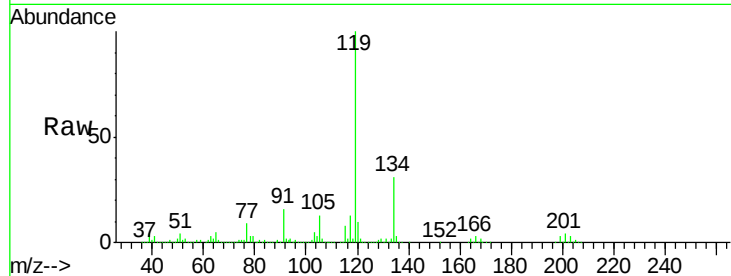
#90
Hexachloroethane
Concen: 112.56 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818MSD

Tot Ion:117 Resp: 252910
Ion Ratio Lower Upper
117 100
201 32.2 41.1 123.3#

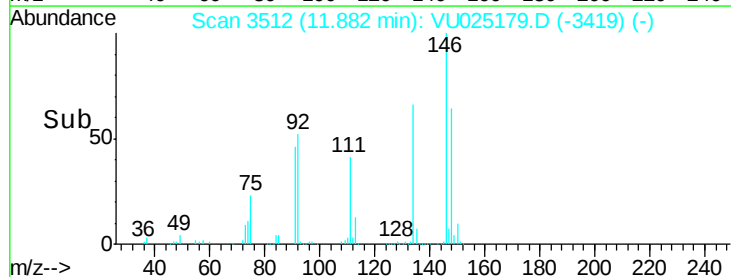
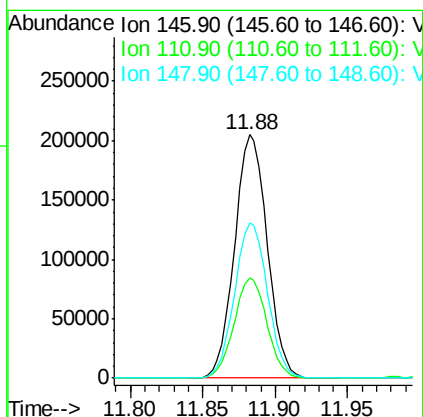
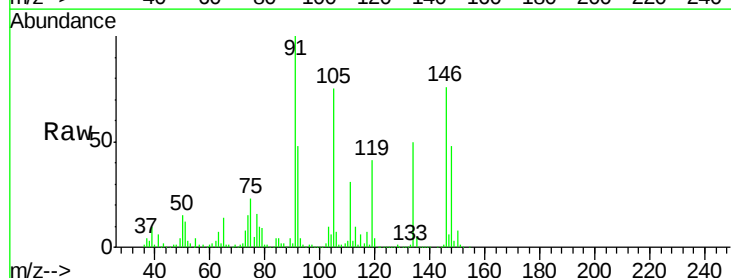
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#91
1,2-Dichlorobenzene
Concen: 55.50 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. -0.00 min
Lab File: VU025179.D
Acq: 03 Jul 2018 07:05

Tgt Ion:146 Resp: 320384
Ion Ratio Lower Upper
146 100
111 40.9 20.5 61.6
148 64.3 31.9 95.7





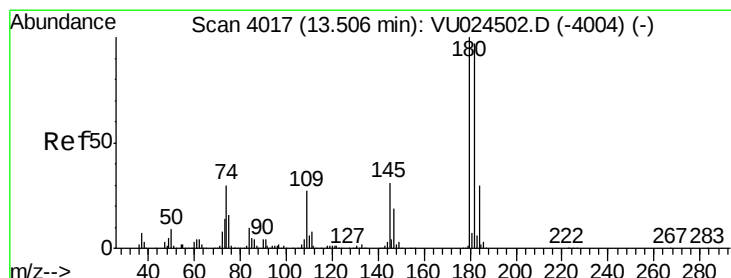
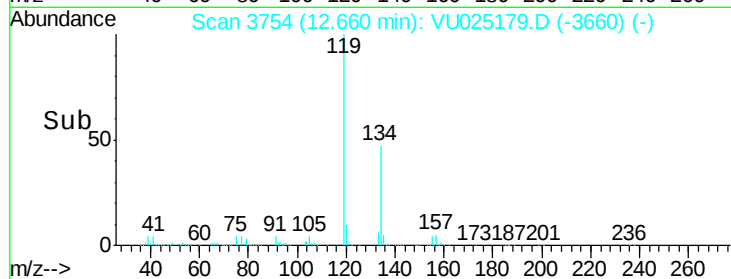
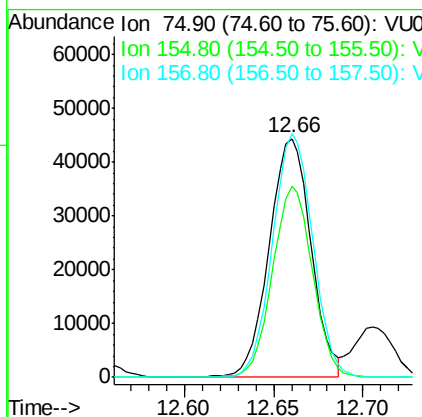
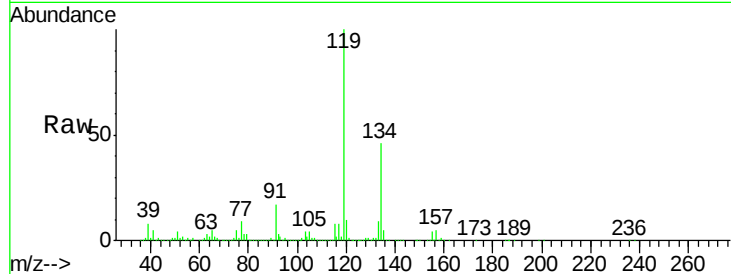
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.74 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	76.5	40.4	121.2
157	98.3	52.3	156.8

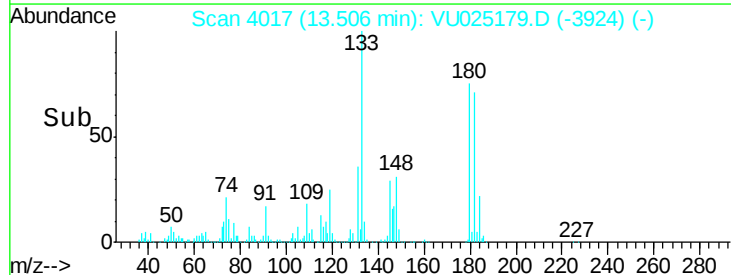
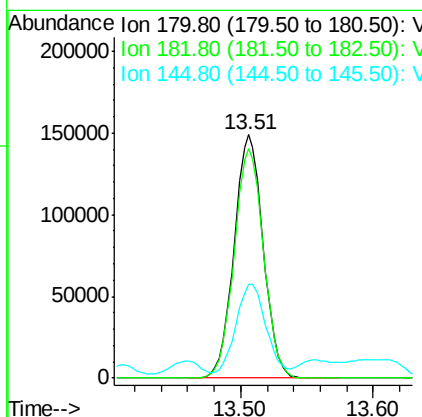
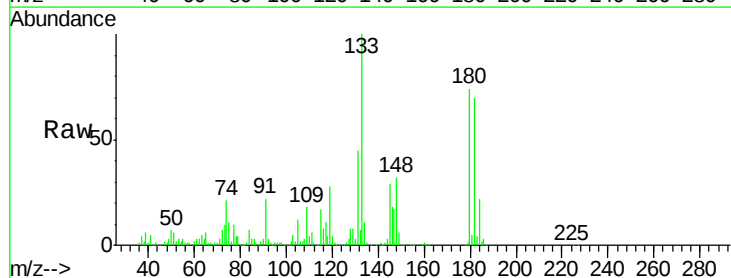
Manual Integrations
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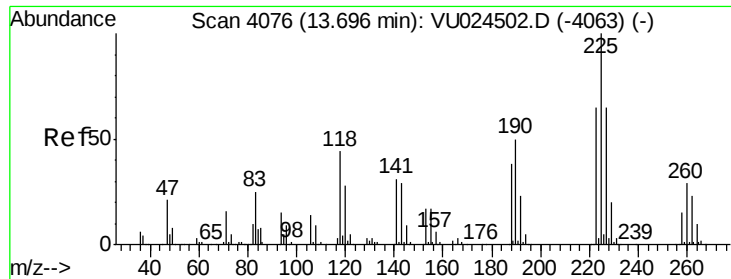
sam
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#93
 1,2,4-Trichlorobenzene
 Concen: 63.23 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.2
145	36.7	14.7	44.1





#94

Hexachlorobutadiene

Concen: 43.34 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. -0.00 min

Lab File: VU025179.D

Acq: 03 Jul 2018 07:05

Instrument :

MSVOA_U

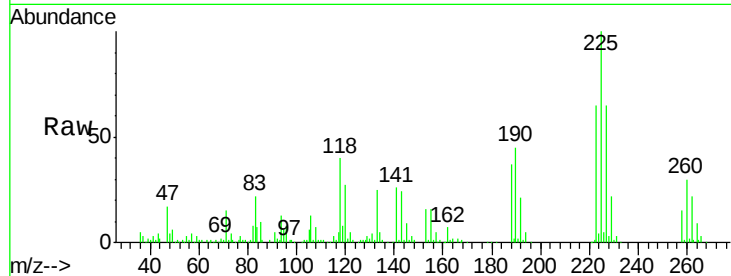
ClientSampleId :

MW-1-062818MSD

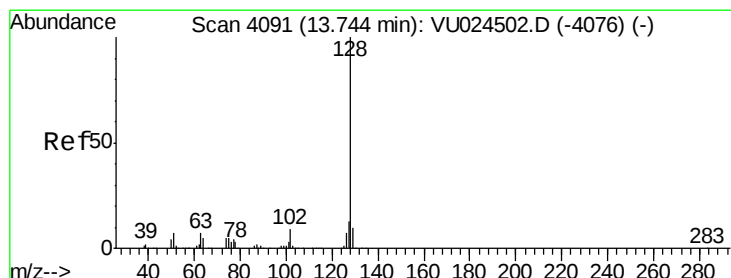
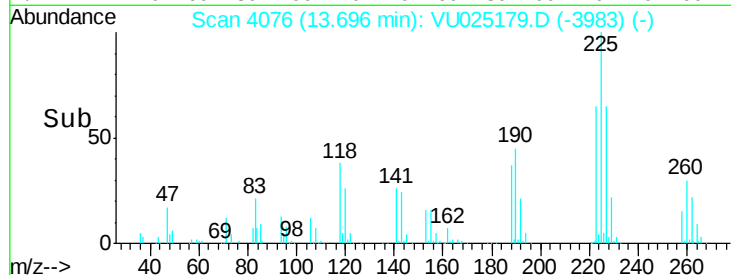
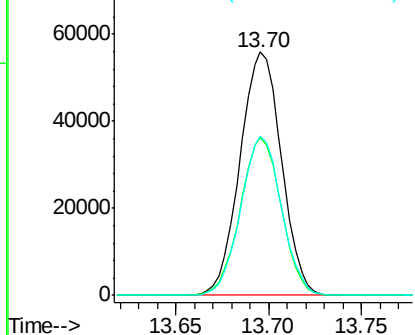
Tot Ion:	225	Resp:	86959
Ion Ratio	Lower	Upper	
225	100		
223	64.1	31.3	93.8
227	64.2	31.8	95.4

Manual Integrations
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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: 237.66 ug/l

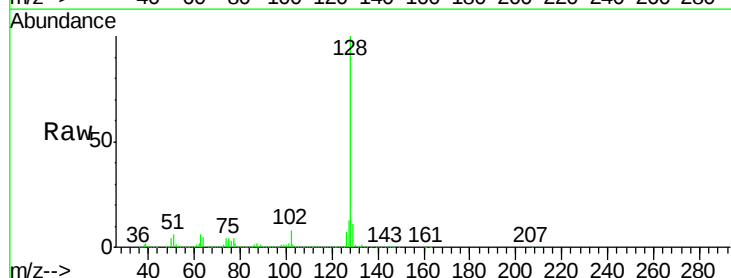
RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

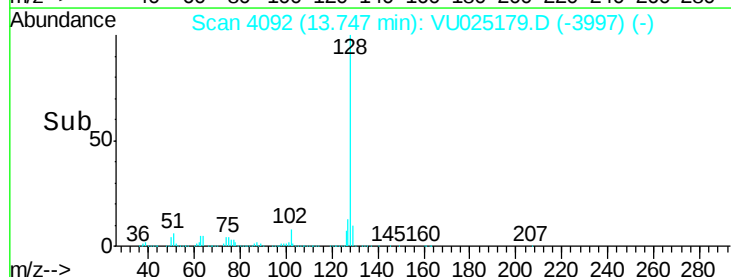
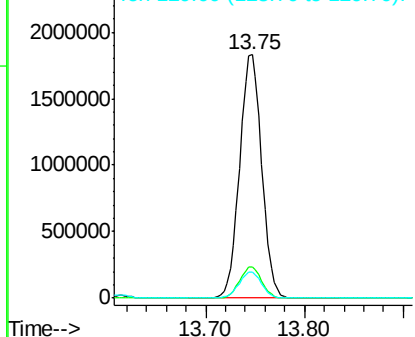
Lab File: VU025179.D

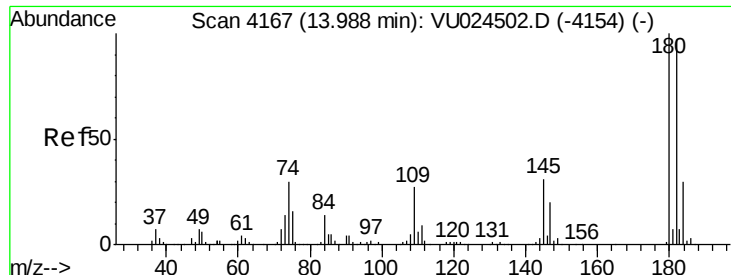
Acq: 03 Jul 2018 07:05

Tgt Ion:	128	Resp:	2835318
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	11.0	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





#96
 1,2,3-Trichlorobenzene
 Concen: 65.77 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025179.D
 Acq: 03 Jul 2018 07:05

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	233634		
182	95.9	47.9	143.7	
145	45.1	15.4	46.1	

Manual Integrations
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