

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027186.D
 Acq On : 26 Sep 2018 18:34
 Operator : MD/SY
 Sample : J5032-05MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018MSD

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:21 PM

Quant Time: Sep 27 02:36:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	74962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	130473	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	129125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	80494	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
35) Dibromofluoromethane	4.89	113	56295	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	7.57	98	211886	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
62) 4-Bromofluorobenzene	10.31	95	77614	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	42759	43.688	ug/l	97
3) Chloromethane	1.33	50	70538	41.802	ug/l	99
4) Vinyl Chloride	1.40	62	71597	45.454	ug/l	100
5) Bromomethane	1.62	94	23346	26.027	ug/l	99
6) Chloroethane	1.69	64	47377	47.075	ug/l	99
7) Trichlorofluoromethane	1.88	101	83074	46.437	ug/l	100
8) Diethyl Ether	2.11	74	42030	48.810	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	50948	46.317	ug/l	99
10) Methyl Iodide	2.41	142	24406	17.890	ug/l	99
11) Tert butyl alcohol	2.83	59	94601	273.561	ug/l	99
12) 1,1-Dichloroethene	2.28	96	48684	47.022	ug/l	98
13) Acrolein	2.20	56	36250	194.457	ug/l	99
14) Allyl chloride	2.59	41	111703	53.194	ug/l	99
15) Acrylonitrile	2.94	53	249610	286.388	ug/l	99
16) Acetone	2.32	43	230183	289.862	ug/l	98
17) Carbon Disulfide	2.48	76	146559	43.454	ug/l	100
18) Methyl Acetate	2.62	43	122320	56.961	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	211971	55.714	ug/l	99
20) Methylene Chloride	2.70	84	64306	47.592	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	54373	49.189	ug/l	99
22) Diisopropyl ether	3.58	45	261396	58.198	ug/l	96
23) Vinyl Acetate	3.53	43	1036049	270.603	ug/l	98
24) 1,1-Dichloroethane	3.45	63	130895	52.913	ug/l	99
25) 2-Butanone	4.26	43	360839	284.591	ug/l	97
26) 2,2-Dichloropropane	4.23	77	78289	40.581	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	66254	53.073	ug/l	99
28) Bromochloromethane	4.55	49	72928	61.157	ug/l	94
29) Tetrahydrofuran	4.64	42	232691	303.375	ug/l	96
30) Chloroform	4.68	83	118466	51.591	ug/l	99
31) Cyclohexane	5.00	56	110103	48.951	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	95910	52.314	ug/l	99
36) 1,1-Dichloropropene	5.14	75	83616	48.019	ug/l	98
37) Ethyl Acetate	4.38	43	124797	52.941	ug/l	99
38) Carbon Tetrachloride	5.14	117	80169	48.379	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	92642	48.957	ug/l	97
40) Benzene	5.39	78	259201	48.966	ug/l	99
41) Methacrylonitrile	4.54	41	74537	60.884	ug/l	95
42) 1,2-Dichloroethane	5.41	62	103111	51.556	ug/l	100
43) Isopropyl Acetate	5.55	43	198165	57.643	ug/l	97
44) Trichloroethene	6.19	130	55356	49.120	ug/l	98
45) 1,2-Dichloropropane	6.44	63	78772	52.225	ug/l	98
46) Dibromomethane	6.56	93	45450	49.893	ug/l	97
47) Bromodichloromethane	6.76	83	95506	51.850	ug/l	99
48) Methyl methacrylate	6.62	41	100987	53.891	ug/l	99
49) 1,4-Dioxane	6.61	88	33692	906.517	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	693332	299.868	ug/l	99
52) Toluene	7.64	92	156985	51.737	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	106806	53.968	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	109767	50.444	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	66999	52.111	ug/l	99
56) Ethyl methacrylate	8.02	69	112893	50.580	ug/l	96
57) 1,3-Dichloropropane	8.24	76	126918	53.075	ug/l	99
59) 2-Hexanone	8.36	43	533029	294.510	ug/l	99
60) Dibromochloromethane	8.48	129	67303	53.367	ug/l	98
61) 1,2-Dibromoethane	8.59	107	68365	51.105	ug/l	99
64) Tetrachloroethene	8.23	164	44046	44.267	ug/l	99
65) Chlorobenzene	9.12	112	162114	47.350	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	61015	51.740	ug/l	99
67) Ethyl Benzene	9.25	91	292747	51.998	ug/l	100
68) m/p-Xylenes	9.38	106	217124	95.299	ug/l	98
69) o-Xylene	9.78	106	106390	53.334	ug/l	99
70) Stvrene	9.79	104	178434	47.983	ug/l	99
71) Bromoform	9.96	173	49193	53.944	ug/l #	98
73) Isopropylbenzene	10.17	105	285924	53.032	ug/l	100
74) N-amyl acetate	10.02	43	169324	54.256	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	120279	48.521	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	101782m	47.270	ug/l	
77) Bromobenzene	10.45	156	65446	49.674	ug/l	95
78) n-propylbenzene	10.59	91	346416	54.302	ug/l	99
79) 2-Chlorotoluene	10.66	91	207689	51.830	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	239841	53.890	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	31514m	46.837	ug/l	
82) 4-Chlorotoluene	10.77	91	238277	53.032	ug/l	99
83) tert-Butylbenzene	11.10	119	229808	52.228	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	245890	54.289	ug/l	99
85) sec-Butylbenzene	11.32	105	289489	53.896	ug/l	100
86) p-Isopropyltoluene	11.48	119	245144	48.665	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	121576	49.587	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	123386	46.175	ug/l	99
89) n-Butylbenzene	11.89	91	232169	47.639	ug/l	99
90) Hexachloroethane	12.15	117	47008	48.128	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	122982	47.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28874	57.097	ug/l	97
93) 1,2,4-Trichlorobenzene	13.50	180	80807	53.842	ug/l	99

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Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	38284	48.211	ug/l	99
95) Naphthalene	13.74	128	295745	50.387	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	84706	52.630	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

MW-19-092018MSD

Tot Ion:168 Resp: 74962

Ion Ratio Lower Upper

168 100

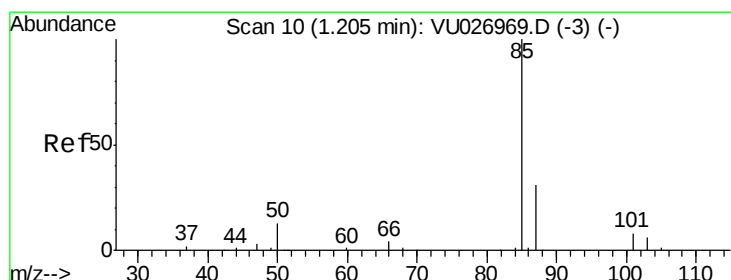
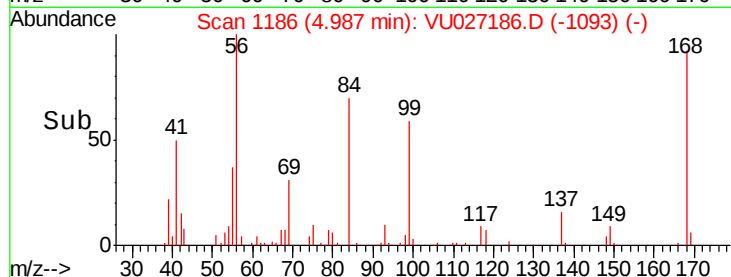
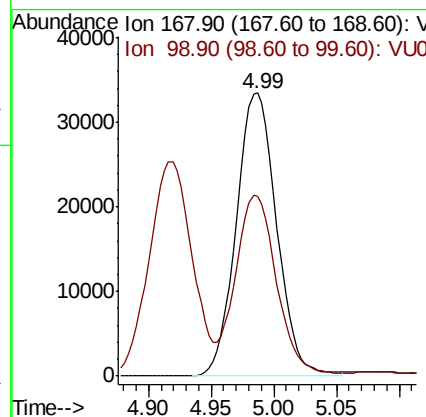
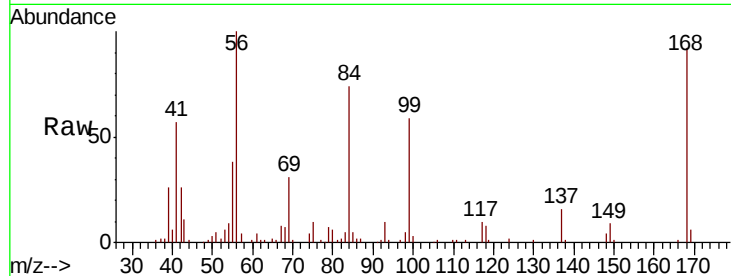
99 62.1 48.1 72.1

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#2

Dichlorodifluoromethane

Concen: 43.688 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027186.D

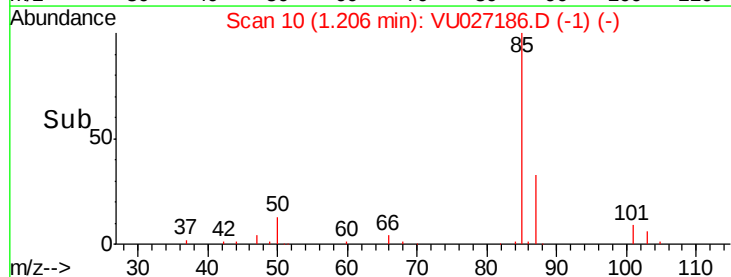
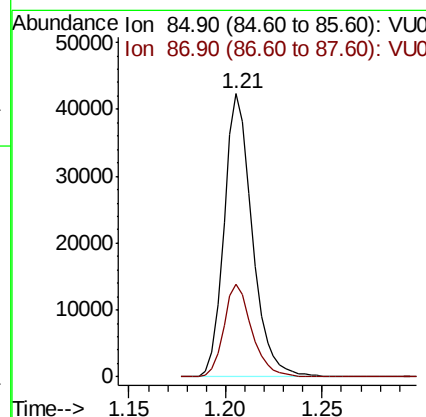
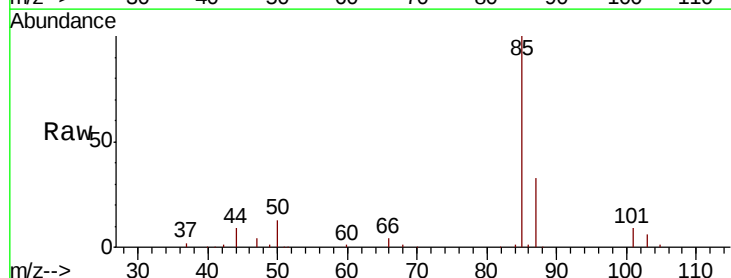
Acq: 26 Sep 2018 18:34

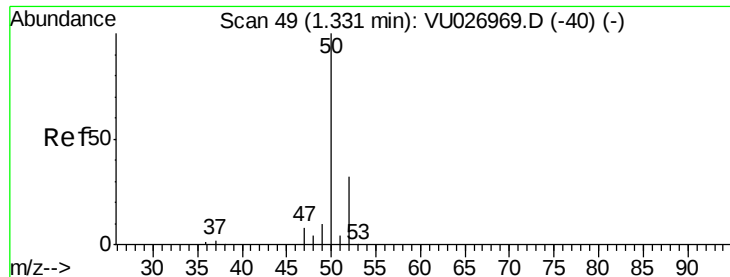
Tgt Ion: 85 Resp: 42759

Ion Ratio Lower Upper

85 100

87 33.0 15.6 46.7





#3

Chloromethane

Concen: 41.802 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

MW-19-092018MSD

Tot Ion: 50 Resp: 70538

Ion Ratio Lower Upper

50 100

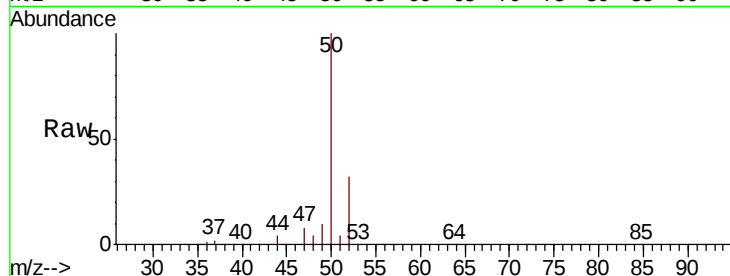
52 31.8 25.9 38.9

Manual Integrations

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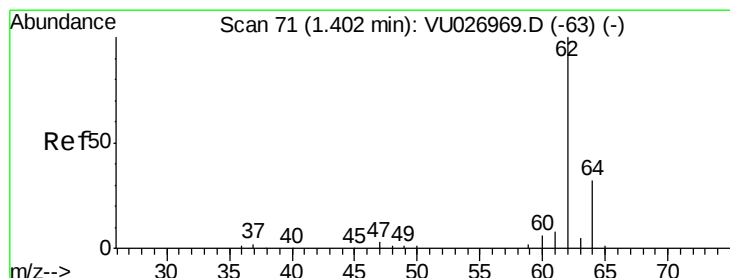
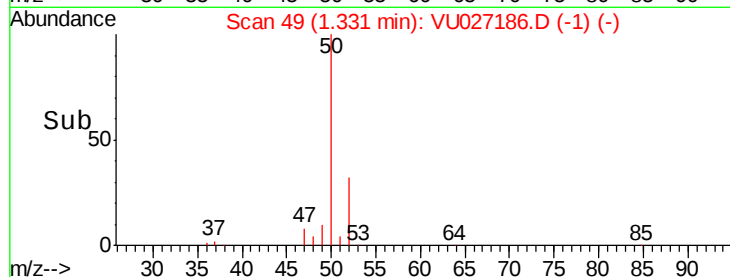
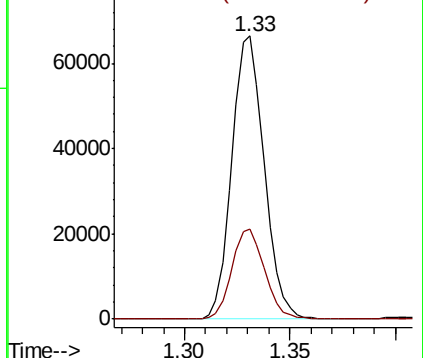
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 45.454 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027186.D

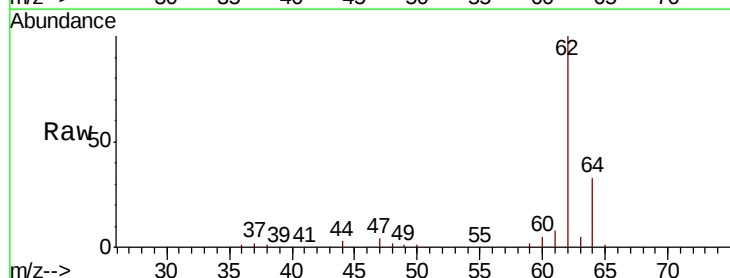
Acq: 26 Sep 2018 18:34

Tgt Ion: 62 Resp: 71597

Ion Ratio Lower Upper

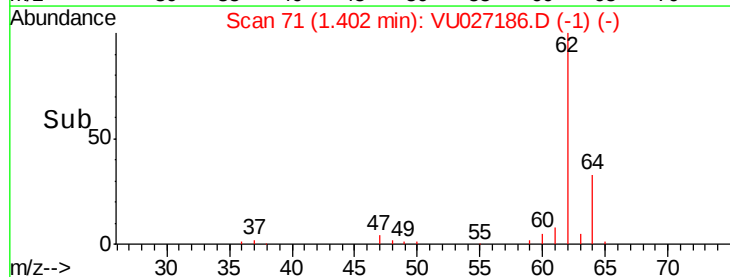
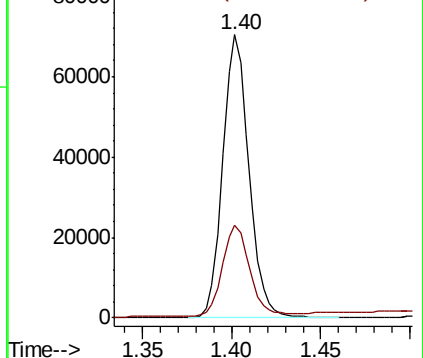
62 100

64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





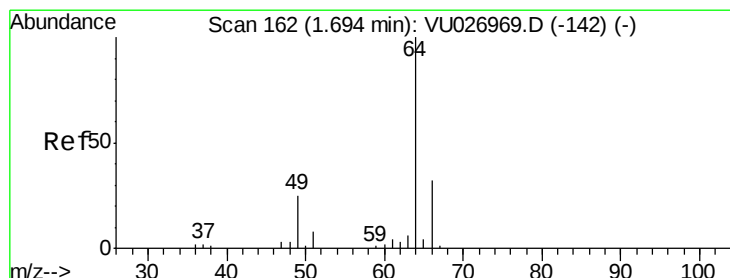
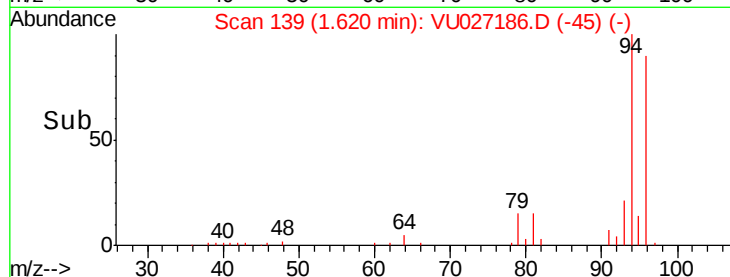
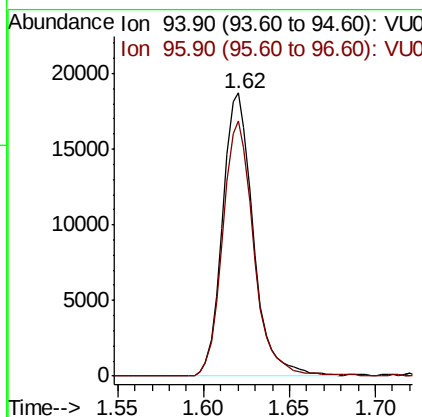
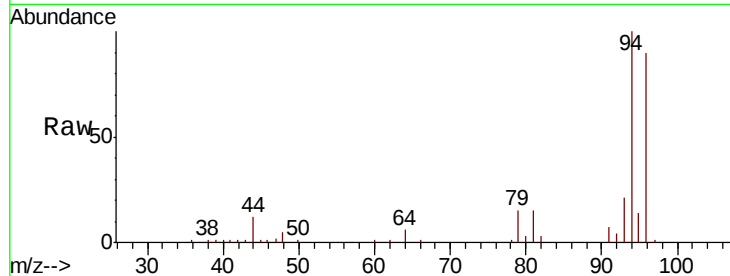
#5
Bromomethane
Concen: 26.027 ug/l
RT: 1.62 min Scan# 139
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

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Tot Ion: 94 Resp: 23346
Ion Ratio Lower Upper
94 100
96 90.2 73.2 109.8

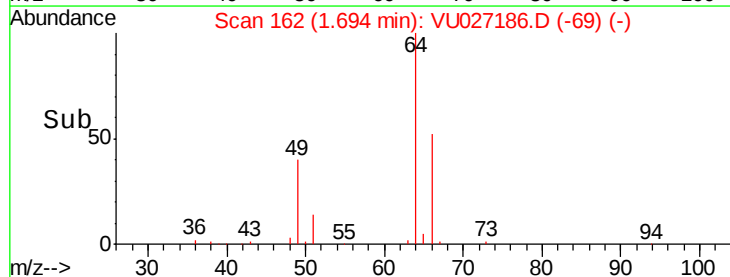
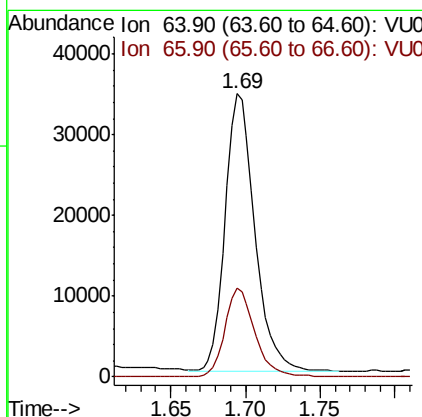
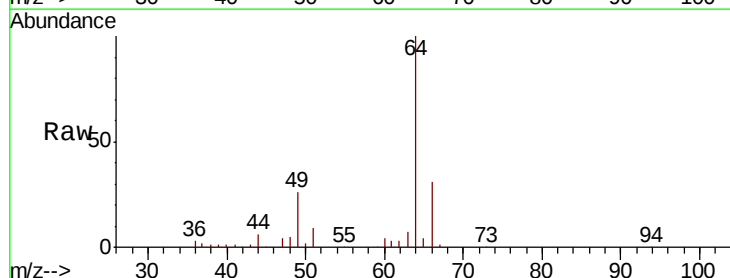
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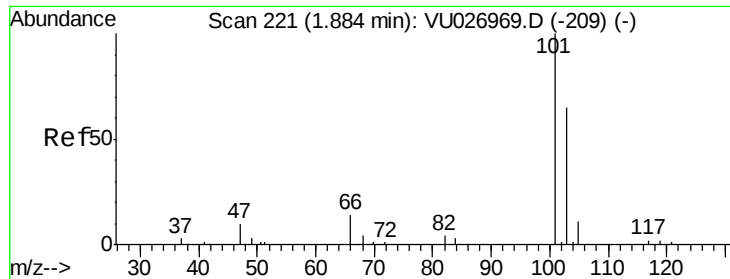
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#6
Chloroethane
Concen: 47.075 ug/l
RT: 1.69 min Scan# 162
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion: 64 Resp: 47377
Ion Ratio Lower Upper
64 100
66 32.0 25.3 37.9





#7

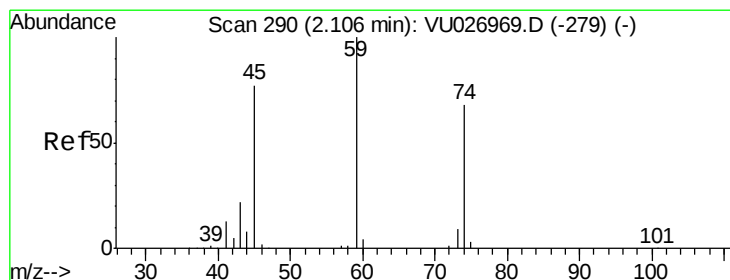
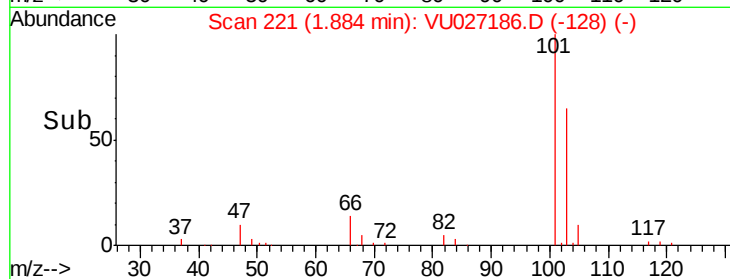
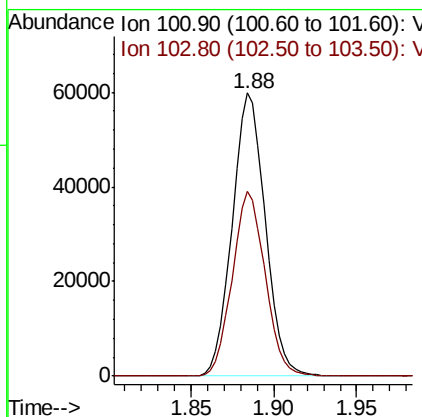
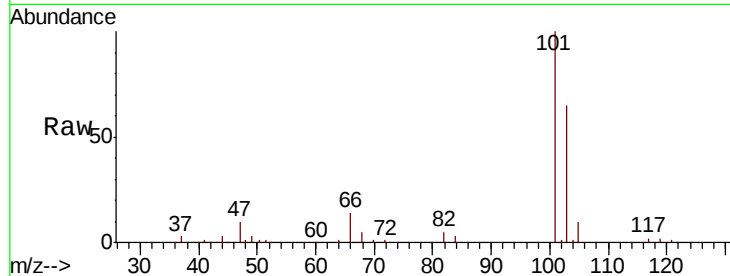
Trichlorofluoromethane
 Concen: 46.437 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027186.D
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Tot Ion:101 Resp: 83074
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.2 78.2

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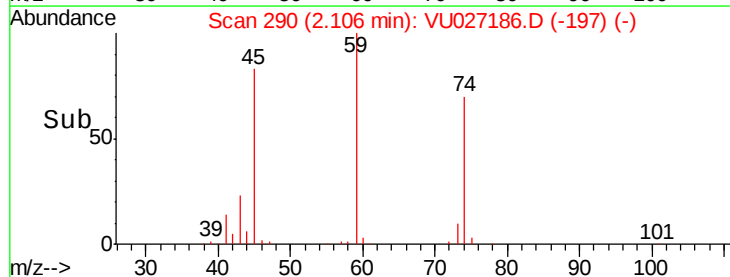
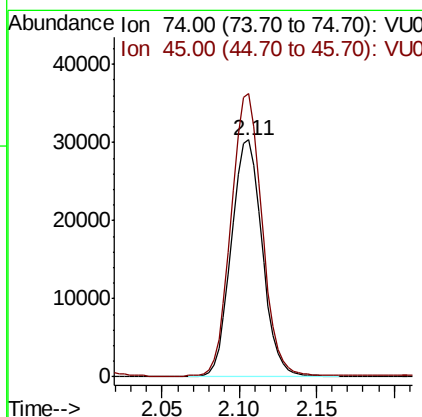
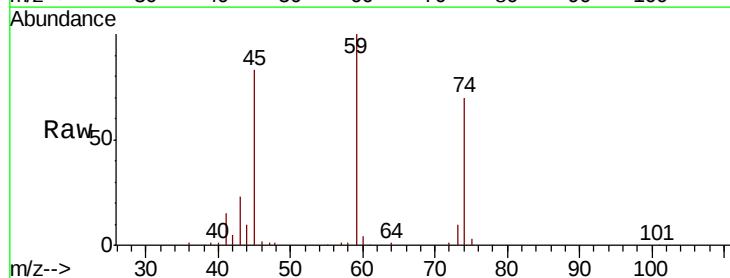
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#8

Diethyl Ether
 Concen: 48.810 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Tgt Ion: 74 Resp: 42030
 Ion Ratio Lower Upper
 74 100
 45 120.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.317 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

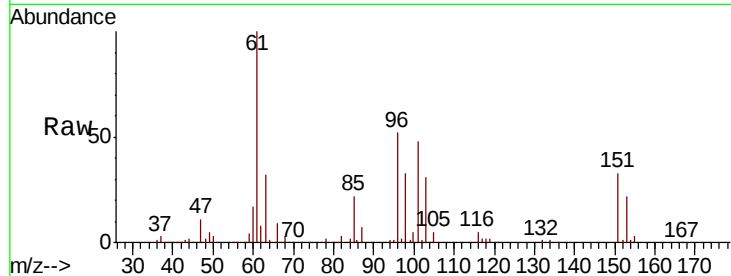
ClientSampleId :

MW-19-092018MSD

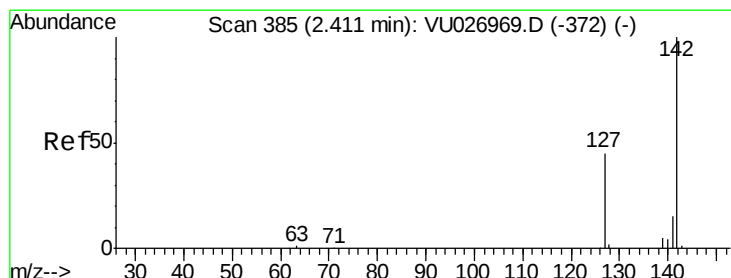
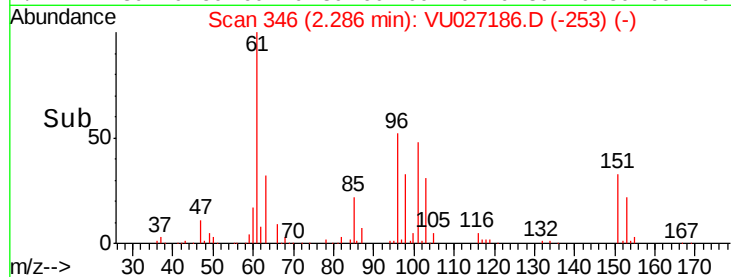
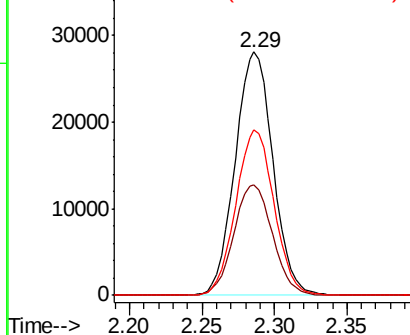
Tot Ion:	101	Resp:	50948
Ion Ratio	Lower	Upper	
101	100		
85	46.3	36.2	54.2
151	68.6	54.5	81.7

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.890 ug/l

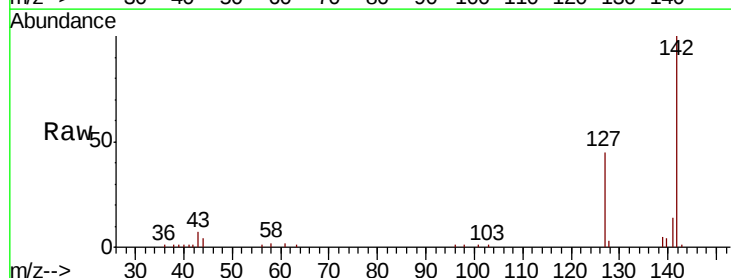
RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

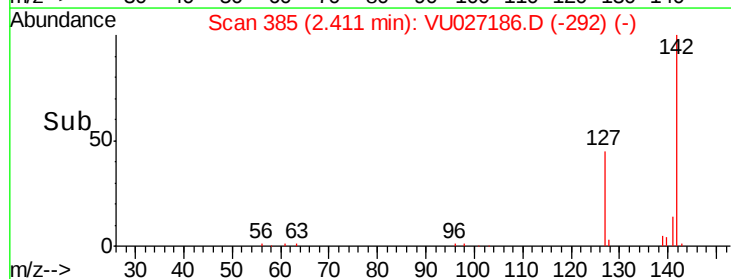
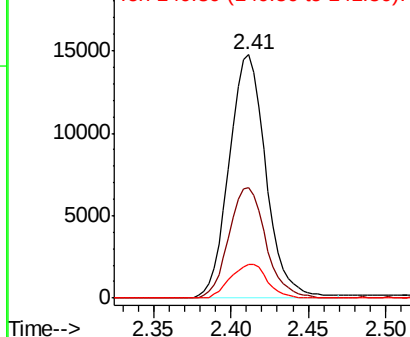
Lab File: VU027186.D

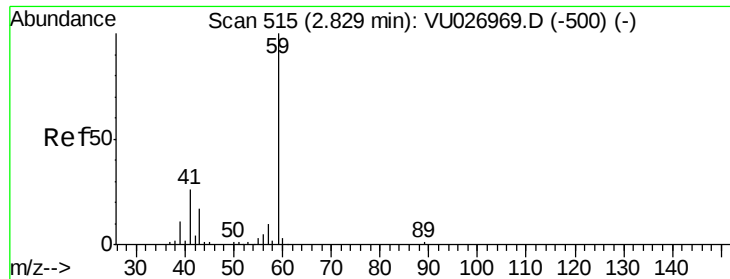
Acq: 26 Sep 2018 18:34

Tgt Ion:	142	Resp:	24406
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.7	55.1
141	13.9	11.8	17.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





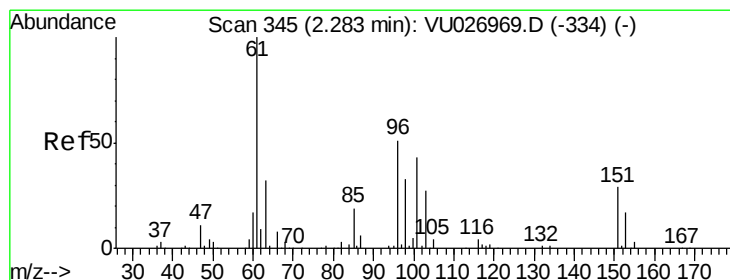
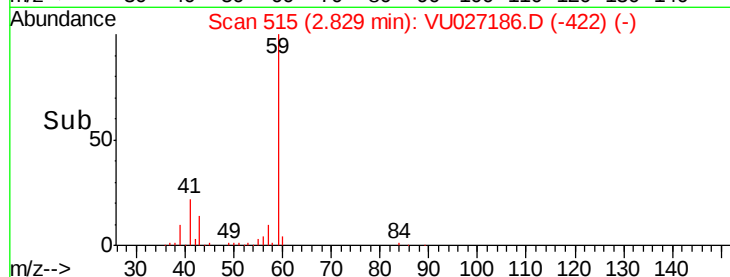
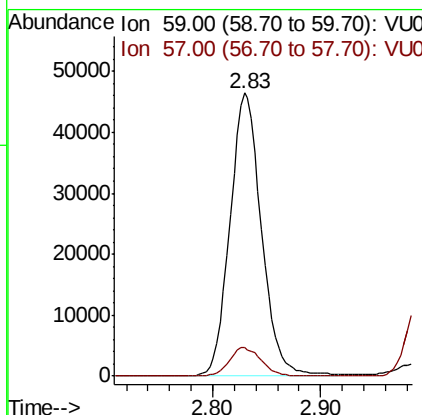
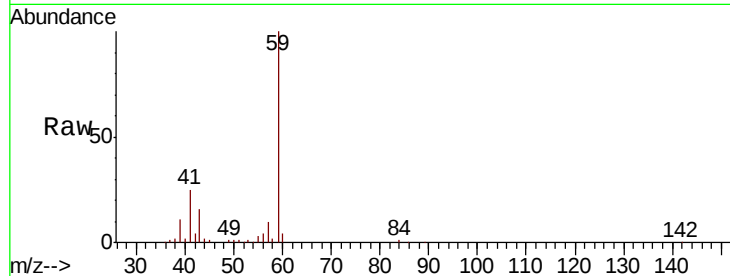
#11
Tert butyl alcohol
Concen: 273.561 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

Tot Ion	59	Resp	94601
Ion Ratio	100	Lower	Upper
57	10.2	8.5	12.7

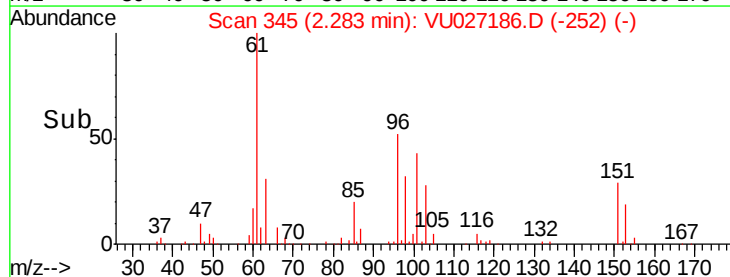
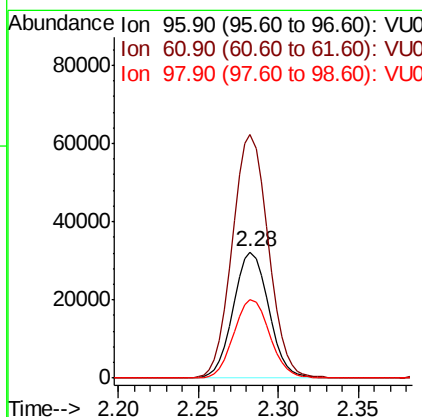
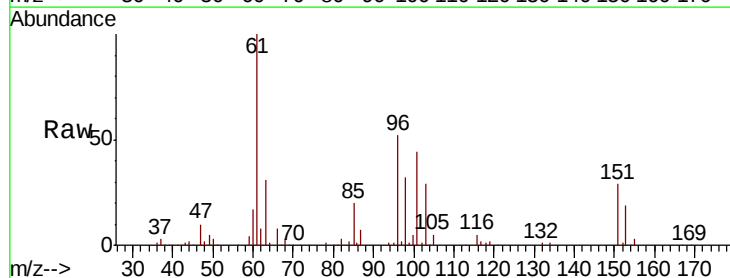
Manual Integrations
APPROVED

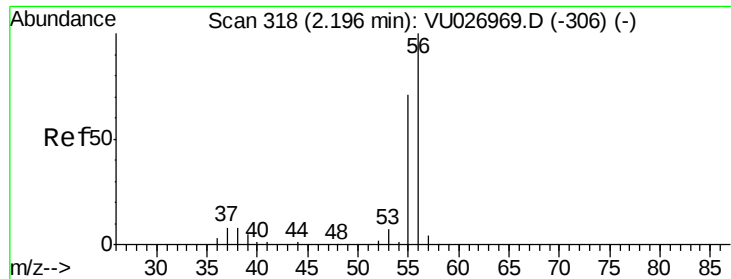
MMDadoda
9/27/2018 3:33:21 PM



#12
1,1-Dichloroethene
Concen: 47.022 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion	96	Resp	48684
Ion Ratio	100	Lower	Upper
61	192.9	156.1	234.1
98	62.0	51.4	77.0





#13

Acrolein

Concen: 194.457 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

MW-19-092018MSD

Tot Ion: 56 Resp: 36250

Ion Ratio Lower Upper

56 100

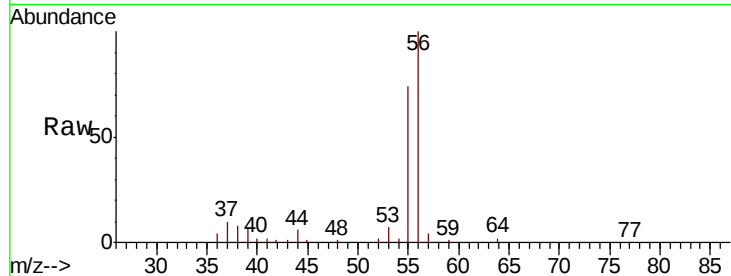
55 72.6 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

25000

20000

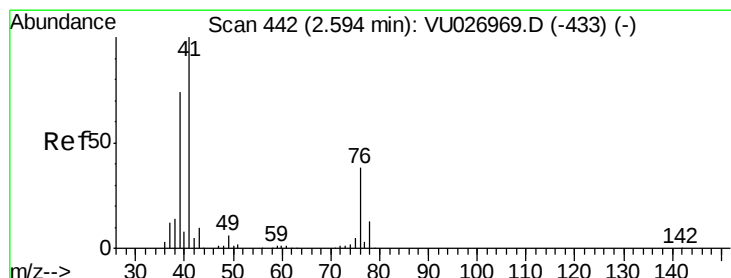
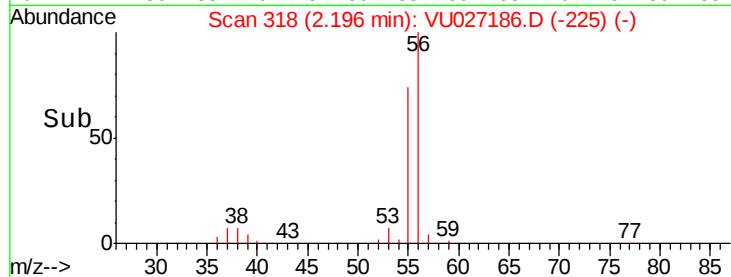
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 53.194 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

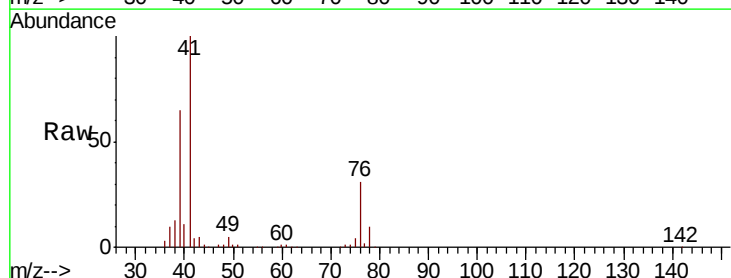
Tgt Ion: 41 Resp: 111703

Ion Ratio Lower Upper

41 100

39 69.2 55.7 83.5

76 32.2 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

2.59

80000

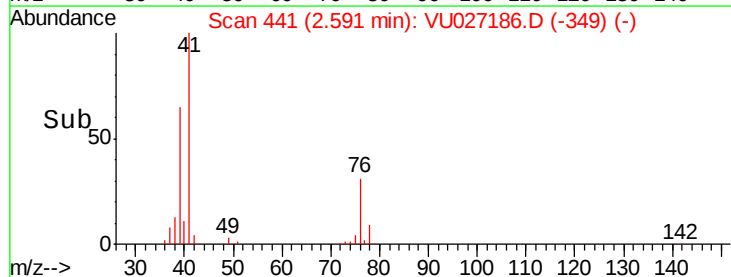
60000

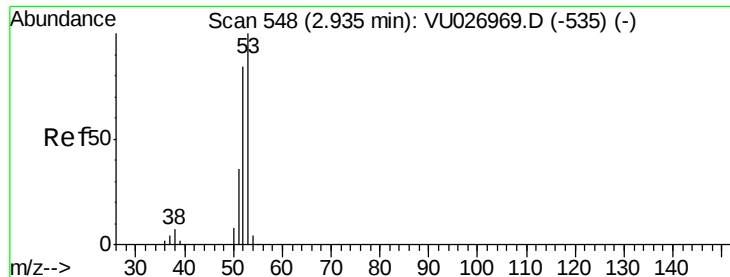
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 286.388 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

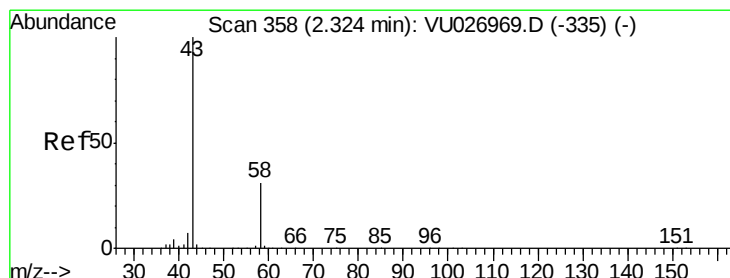
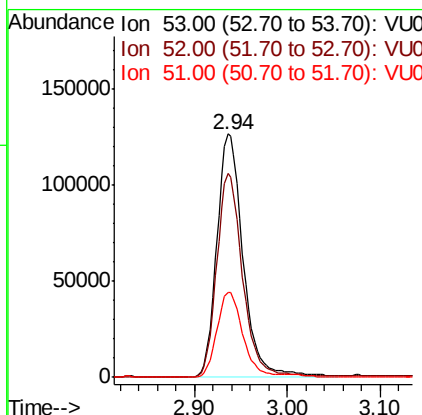
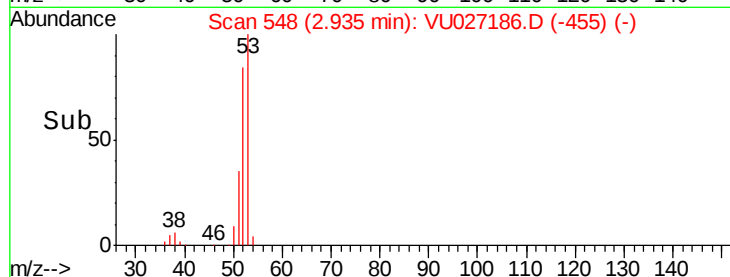
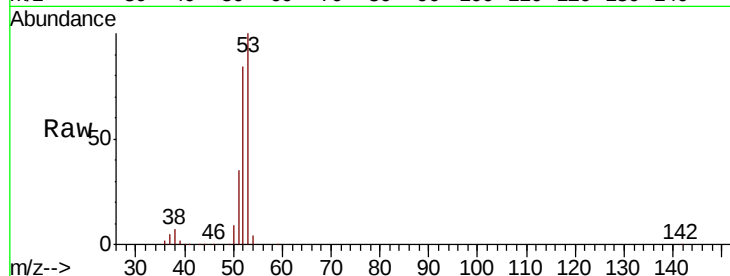
ClientSampleId :

MW-19-092018MSD

Tot Ion:	53	Resp:	249610
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	35.9	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 289.862 ug/l

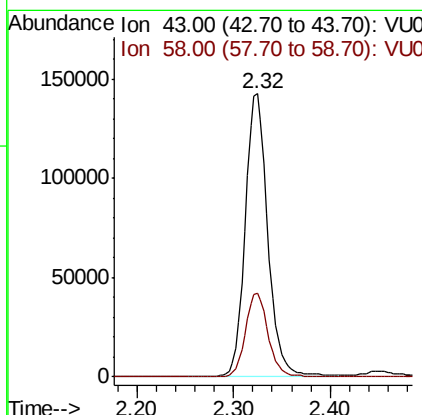
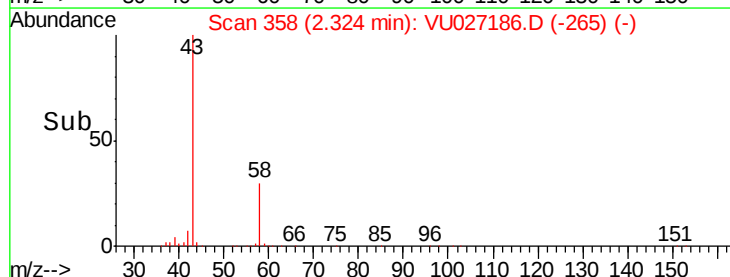
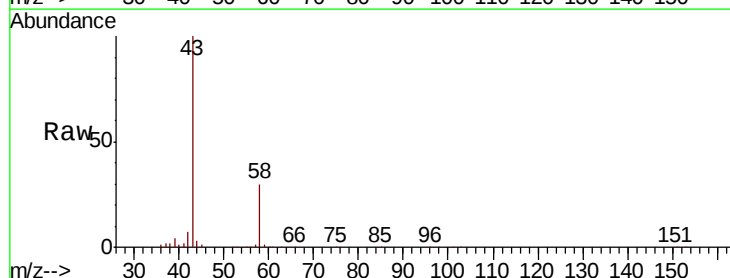
RT: 2.32 min Scan# 358

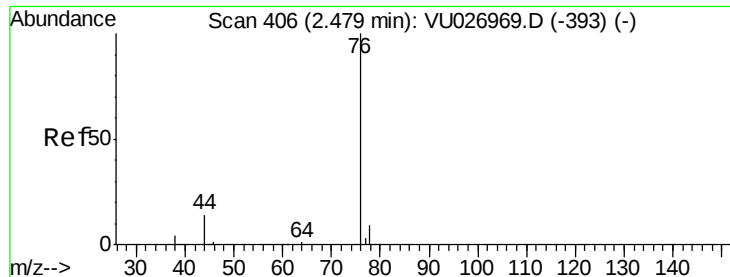
Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Tgt Ion:	43	Resp:	230183
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.6	36.8





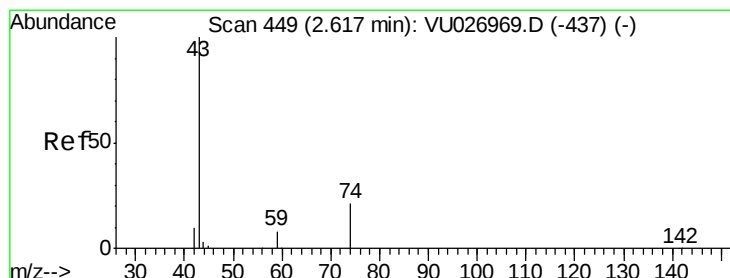
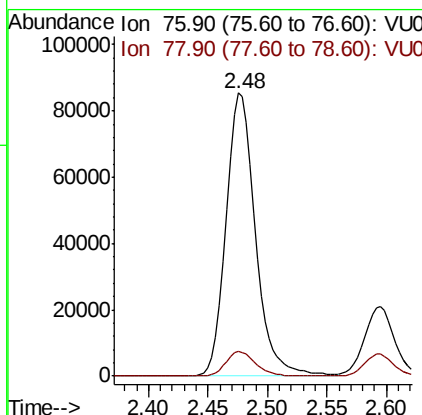
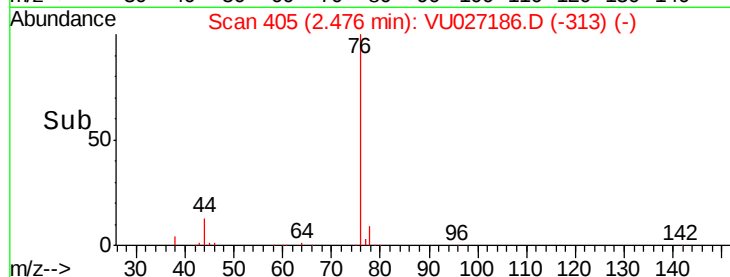
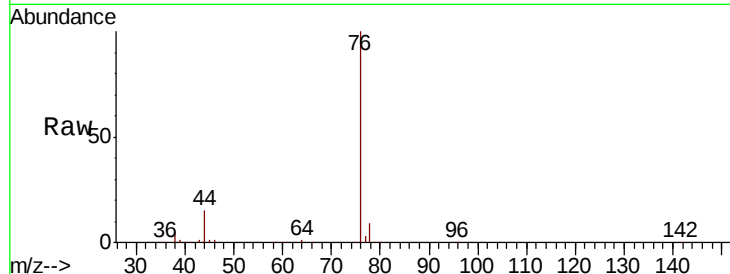
#17
Carbon Disulfide
Concen: 43.454 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

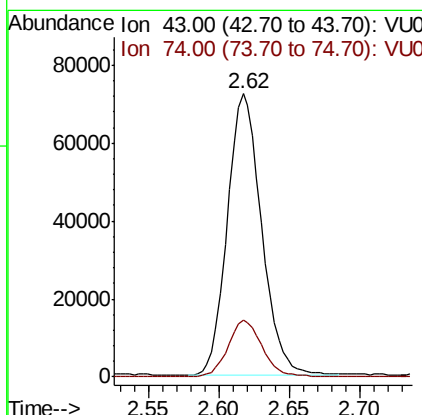
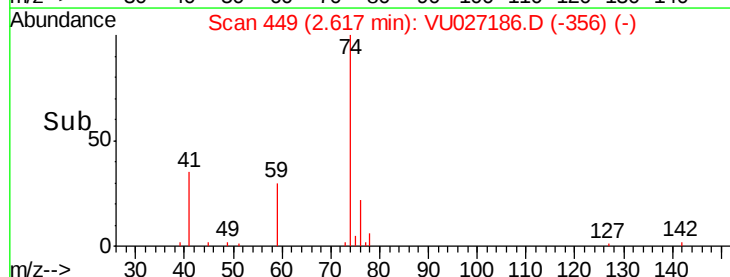
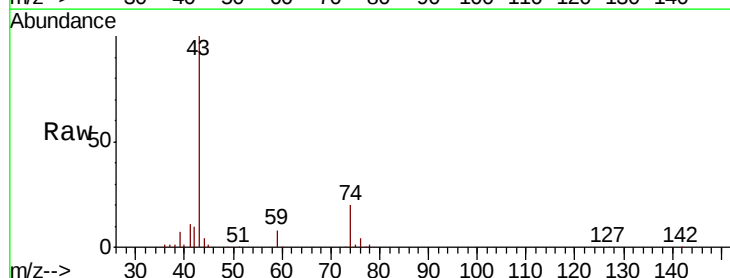
Manual Integrations
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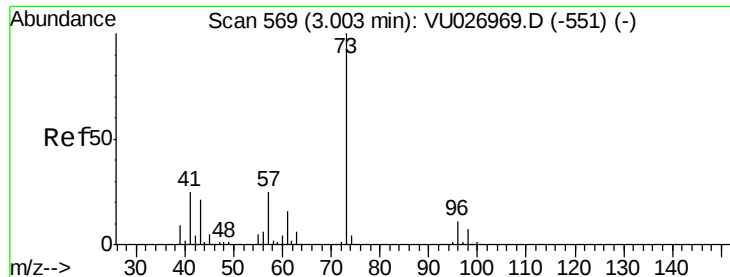
MMDadoda
9/27/2018 3:33:21 PM



#18
Methyl Acetate
Concen: 56.961 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.6	25.0





#19

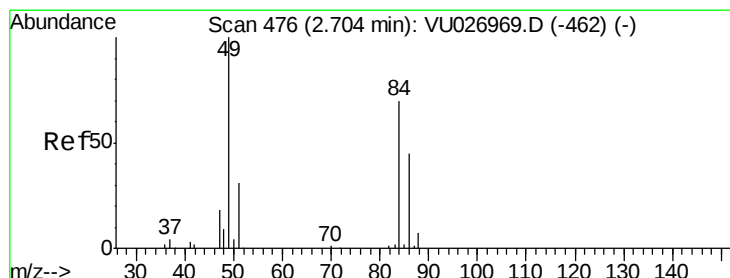
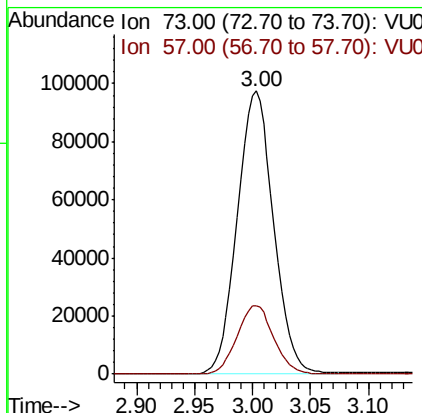
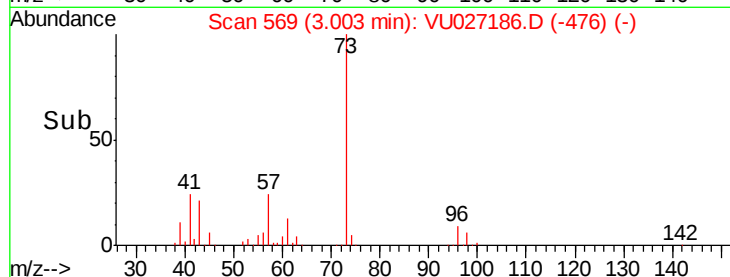
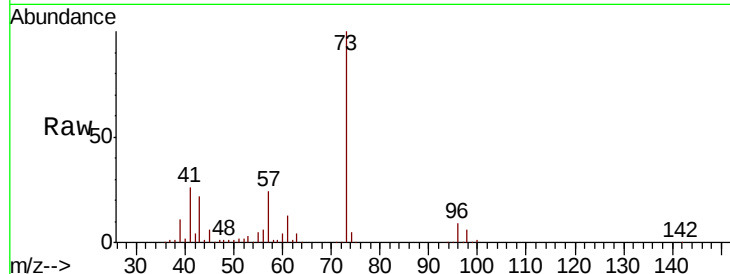
Methyl tert-butyl Ether
 Concen: 55.714 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018MSD

Tot Ion	73	Resp	211971
Ion Ratio	100	Lower	Upper
73	100		
57	24.3	19.8	29.6

Manual Integrations
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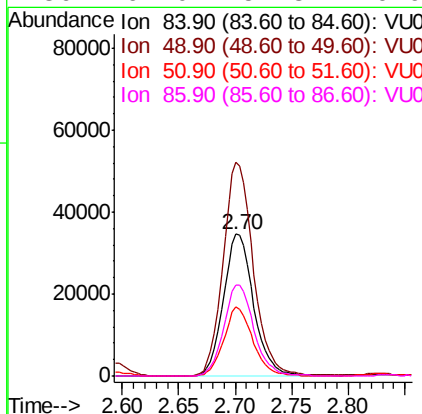
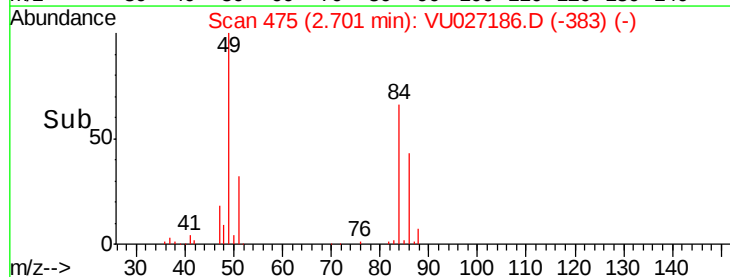
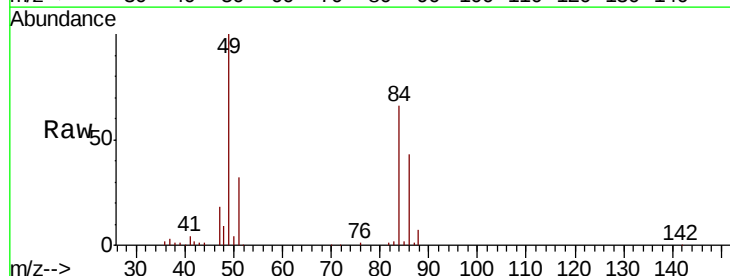
MMDadoda
 9/27/2018 3:33:21 PM

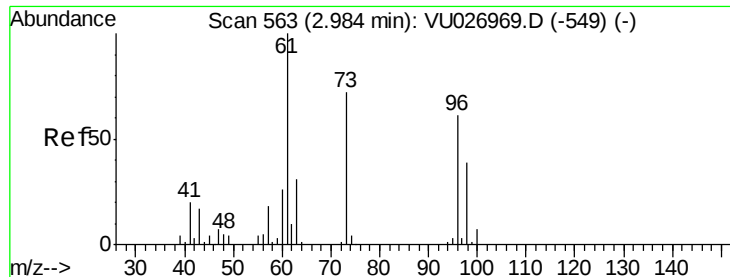


#20

Methylene Chloride
 Concen: 47.592 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Tgt Ion	84	Resp	64306
Ion Ratio	100	Lower	Upper
84	100		
49	150.5	114.9	172.3
51	48.3	35.8	53.8
86	64.0	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 49.189 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

MW-19-092018MSD

Tot Ion: 96 Resp: 54373

Ion Ratio Lower Upper

96 100

61 166.0 131.8 197.6

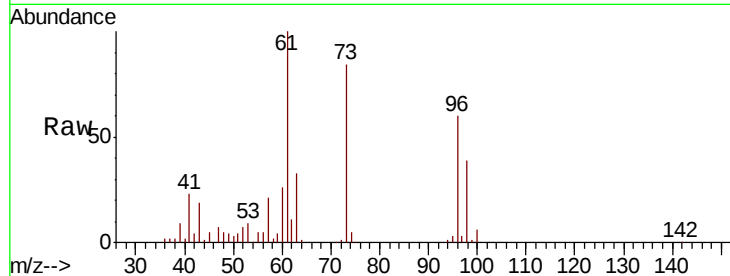
98 64.5 50.9 76.3

Manual Integrations

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MMDadoda

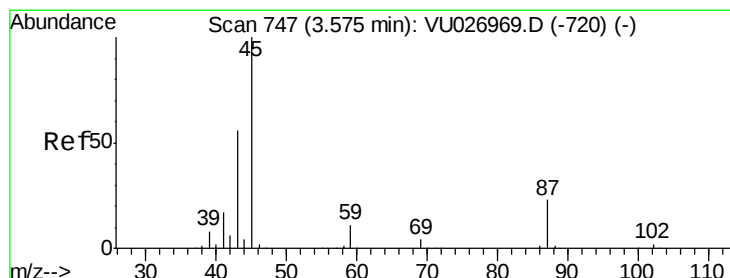
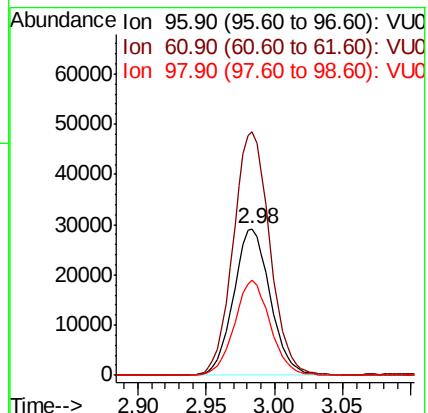
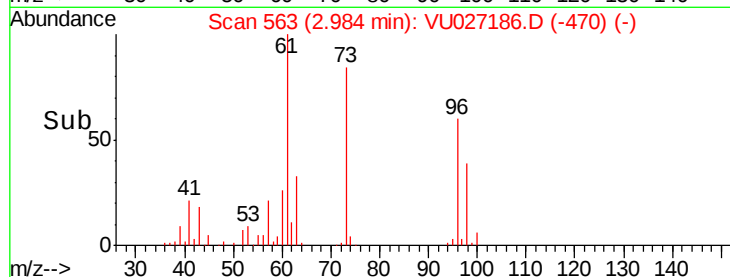
9/27/2018 3:33:21 PM



Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-549) (-)



#22

Diisopropyl ether

Concen: 58.198 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Tgt Ion: 45 Resp: 261396

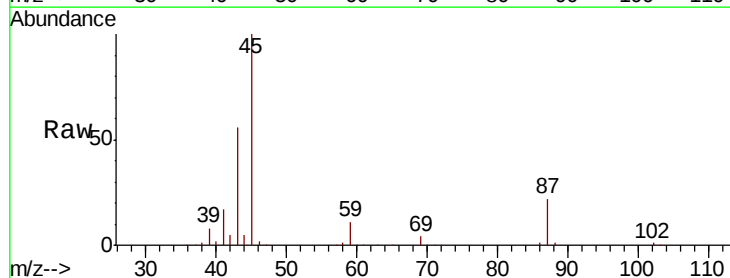
Ion Ratio Lower Upper

45 100

43 53.3 45.8 68.6

87 21.8 18.6 28.0

59 10.6 9.0 13.4

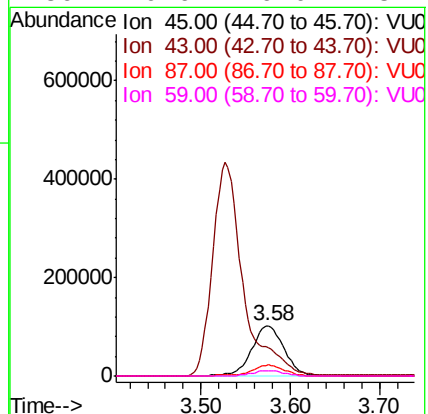
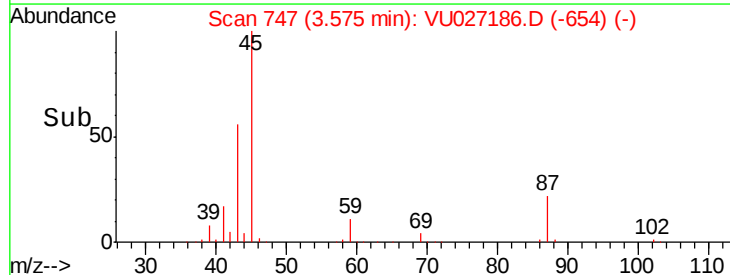


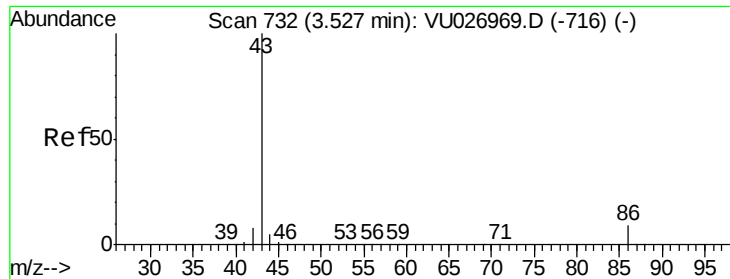
Abundance Ion 45.00 (44.70 to 45.70): VU026969.D (-720) (-)

Ion 43.00 (42.70 to 43.70): VU026969.D (-720) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-720) (-)

Ion 59.00 (58.70 to 59.70): VU026969.D (-720) (-)





#23

Vinyl Acetate

Concen: 270.603 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

MW-19-092018MSD

Tot Ion: 43 Resp: 1036049

Ion Ratio Lower Upper

43 100

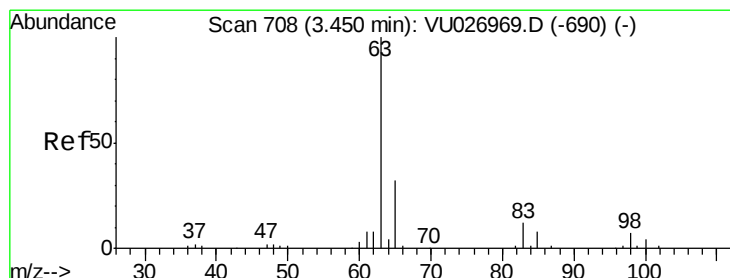
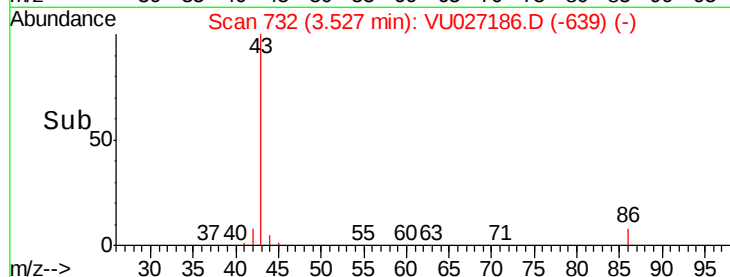
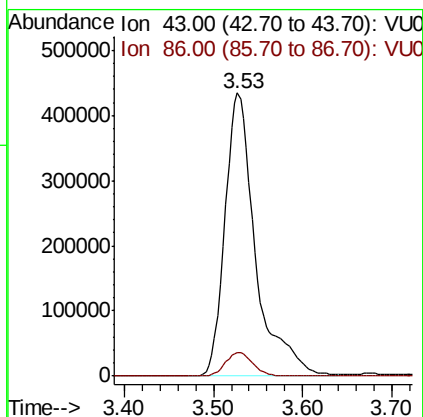
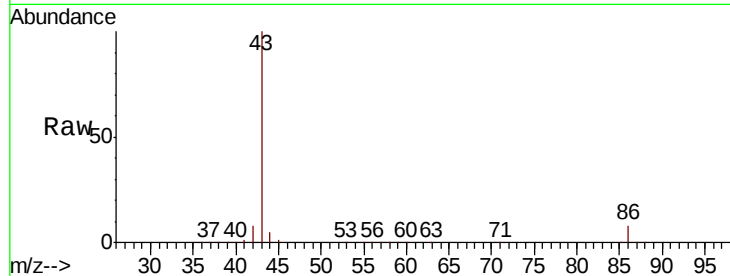
86 8.3 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.913 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

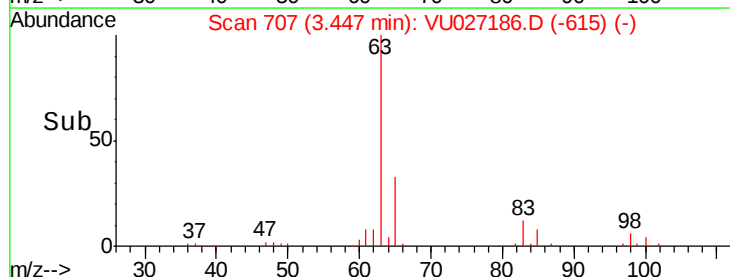
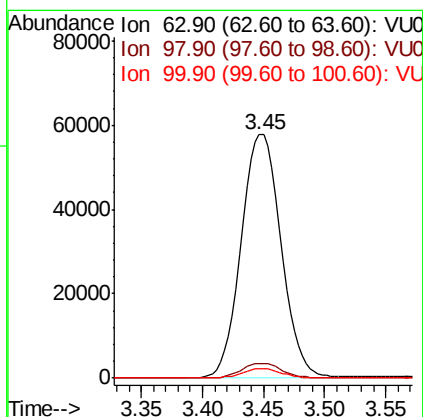
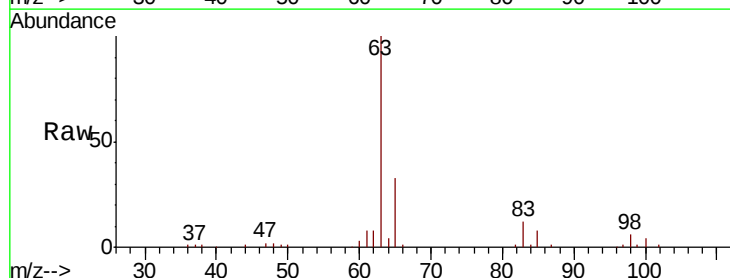
Tgt Ion: 63 Resp: 130895

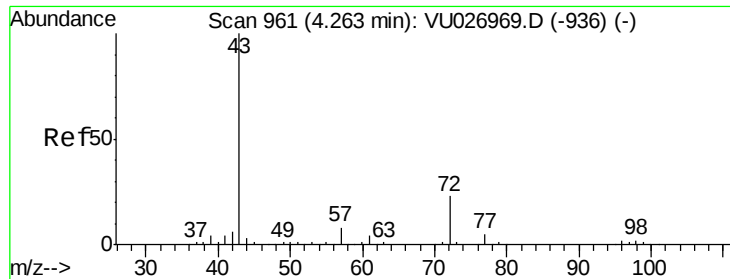
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 4.1 2.0 5.8





#25

2-Butanone

Concen: 284.591 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

MW-19-092018MSD

Tot Ion: 43 Resp: 360839

Ion Ratio Lower Upper

43 100

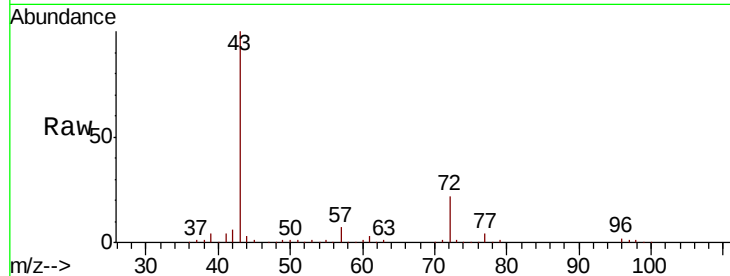
72 21.8 18.4 27.6

Manual Integrations

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MMDadoda

9/27/2018 3:33:21 PM



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-936) (-)

Ion 72.00 (71.70 to 72.70): VU026969.D (-936) (-)

4.26

150000

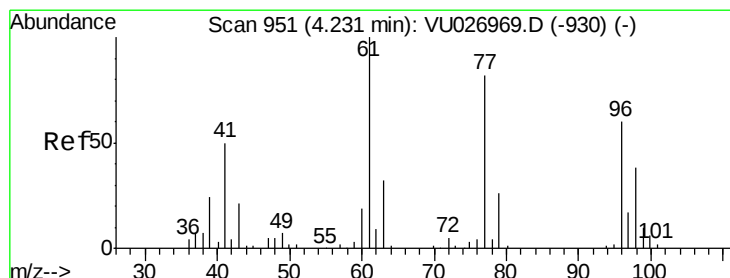
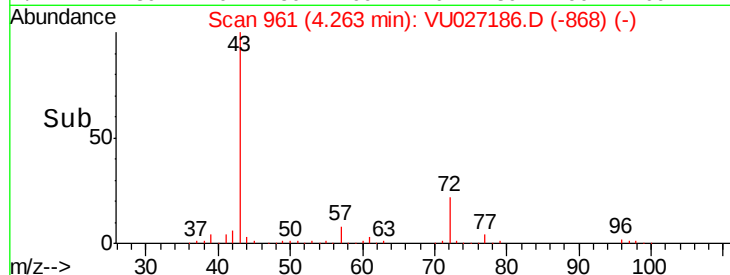
100000

50000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 40.581 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027186.D

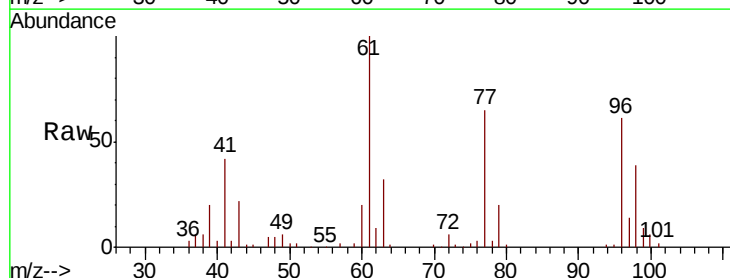
Acq: 26 Sep 2018 18:34

Tgt Ion: 77 Resp: 78289

Ion Ratio Lower Upper

77 100

97 21.6 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU026969.D (-930) (-)

Ion 96.90 (96.60 to 97.60): VU026969.D (-930) (-)

4.23

30000

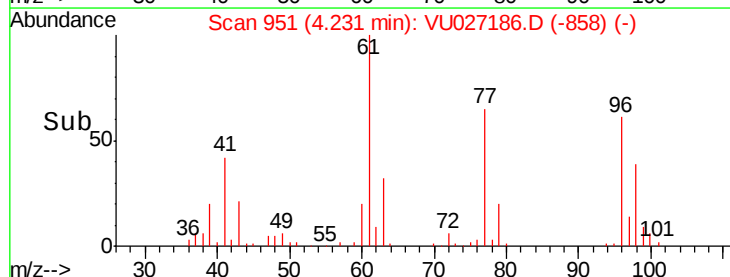
20000

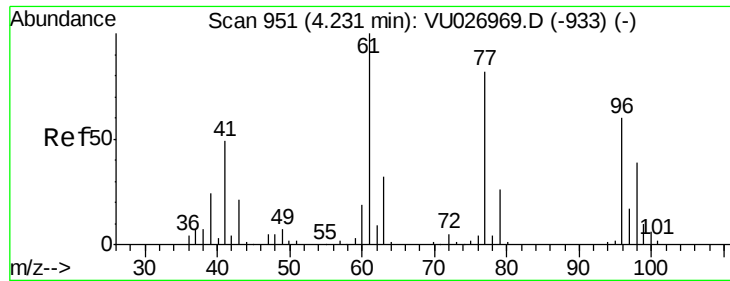
10000

0

4.10 4.20 4.30

Time-->





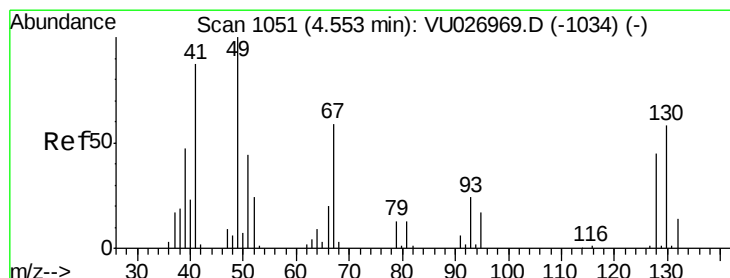
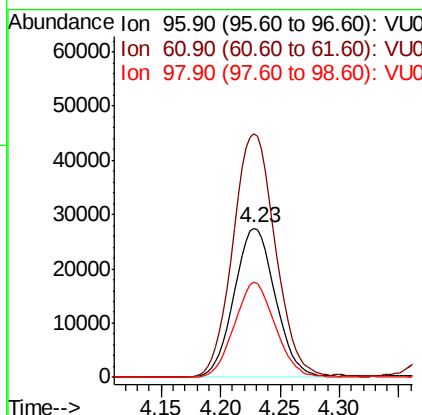
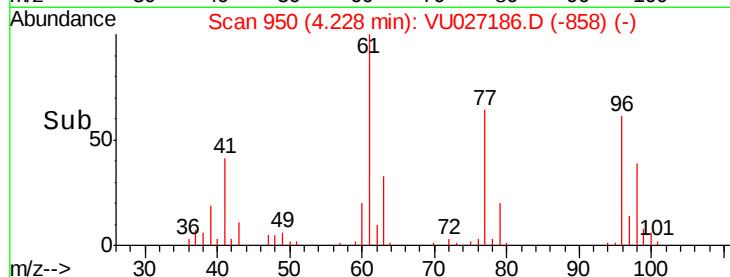
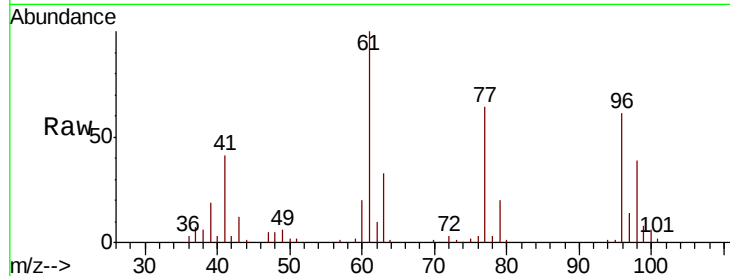
#27
 cis-1,2-Dichloroethene
 Concen: 53.073 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.6	0.0	337.2
98	63.1	0.0	127.6

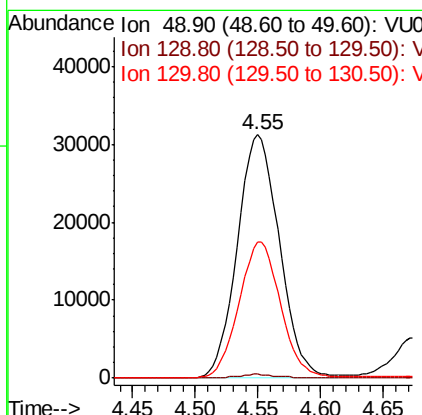
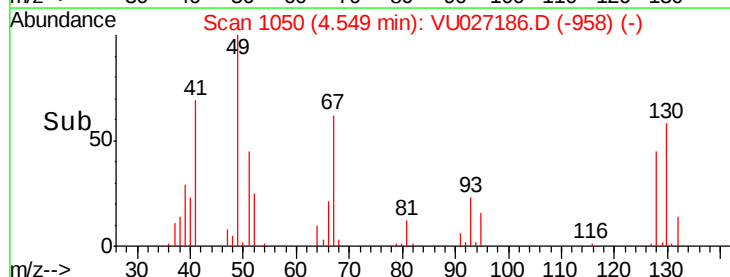
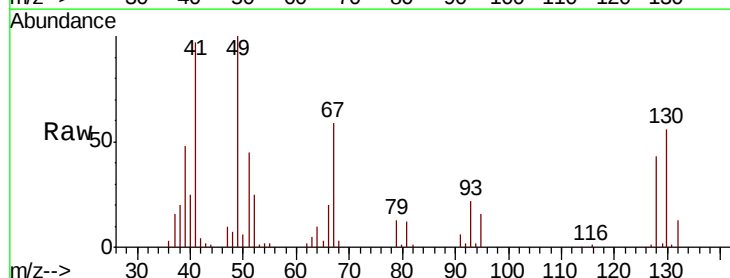
Manual Integrations
 APPROVED

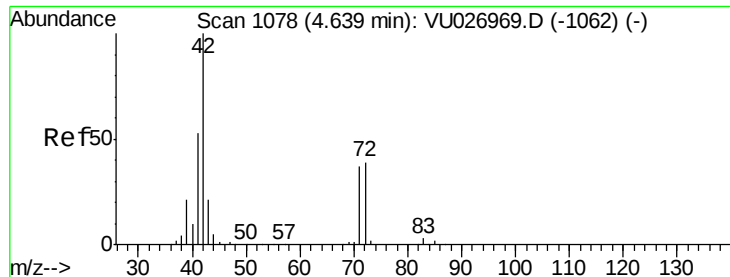
MMDadoda
 9/27/2018 3:33:21 PM



#28
 Bromochloromethane
 Concen: 61.157 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	55.4	47.8	71.8





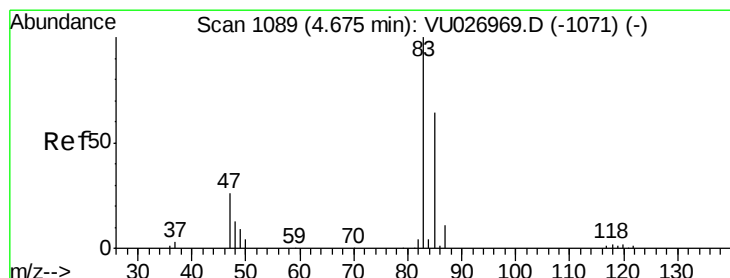
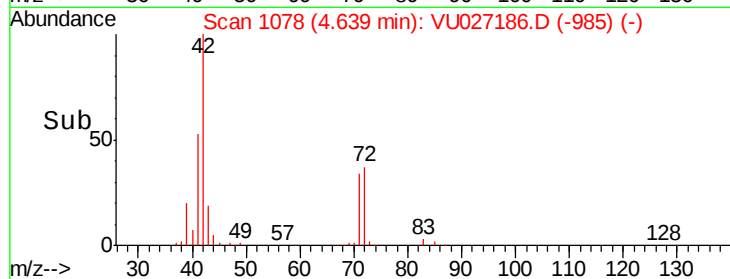
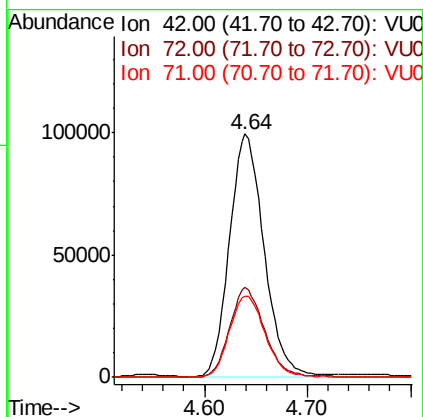
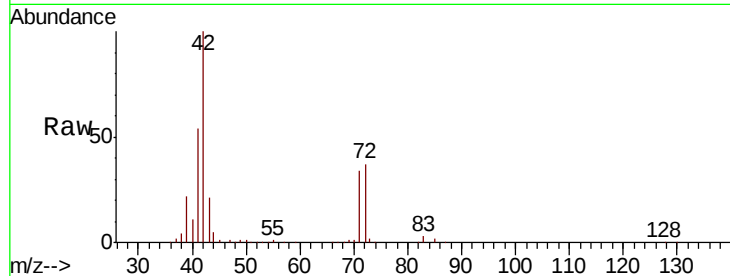
#29
Tetrahydrofuran
Concen: 303.375 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	31.7	47.5
71	34.5	29.6	44.4

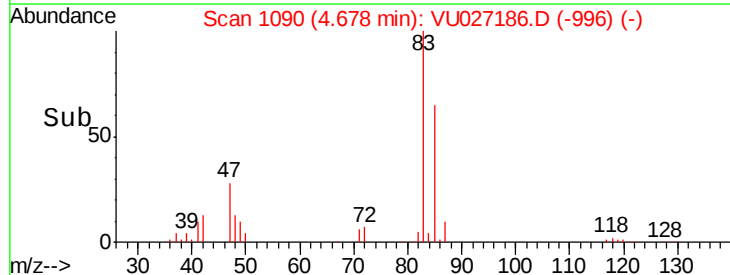
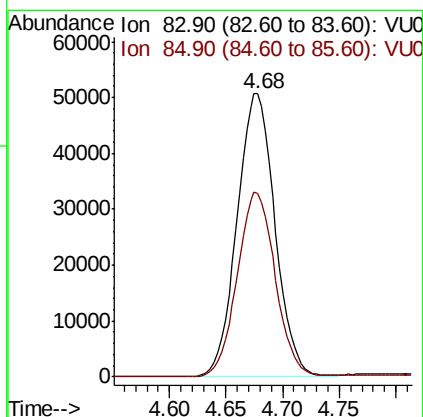
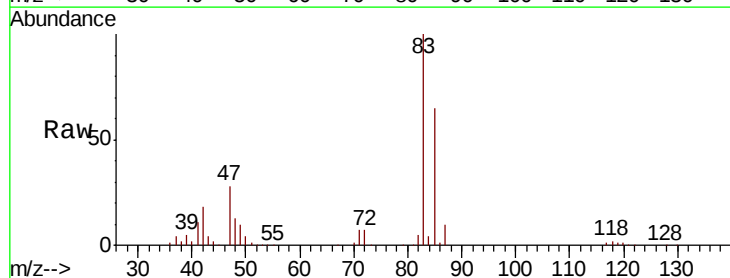
Manual Integrations
APPROVED

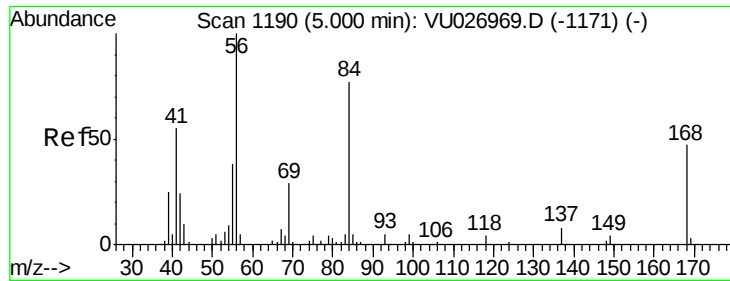
MMDadoda
9/27/2018 3:33:21 PM



#30
Chloroform
Concen: 51.591 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.5	77.3





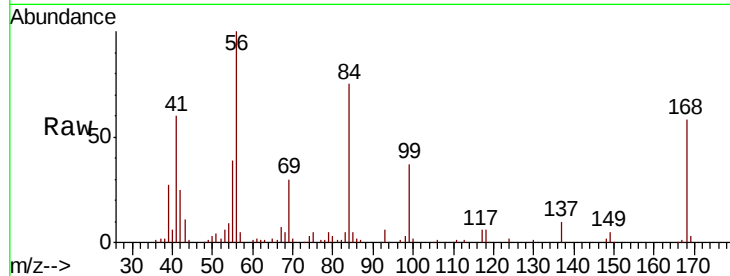
#31
Cyclohexane
Concen: 48.951 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

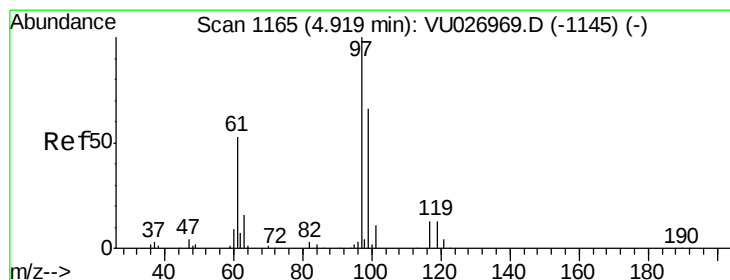
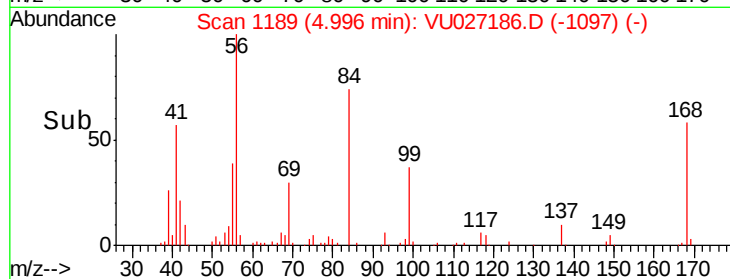
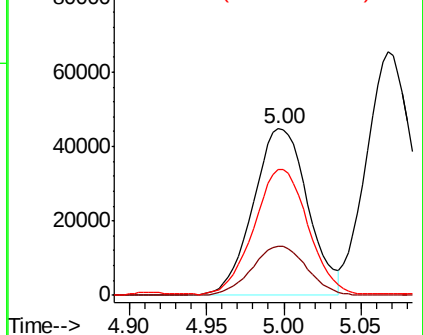
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.0	34.4
84	74.6	61.4	92.2

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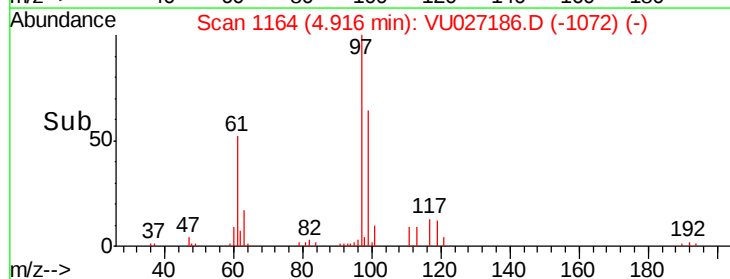
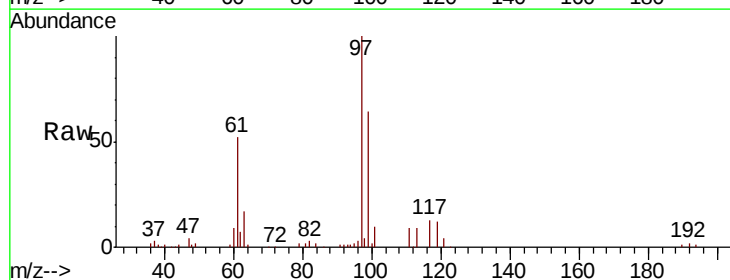
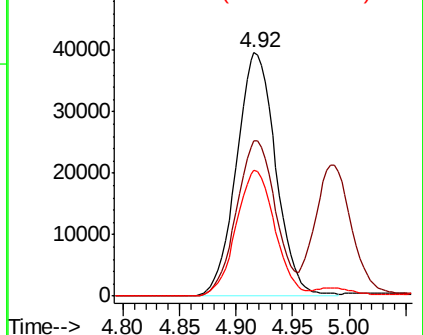
Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

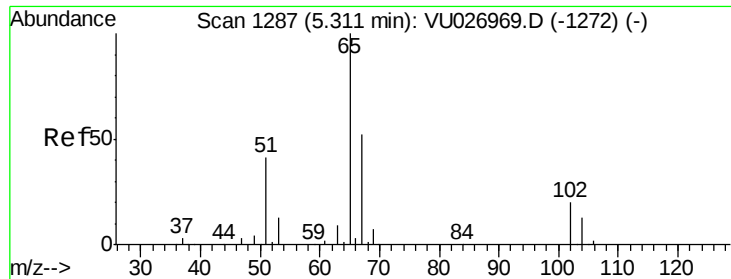


#32
1,1,1-Trichloroethane
Concen: 52.314 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.6
61	51.0	41.1	61.7

Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





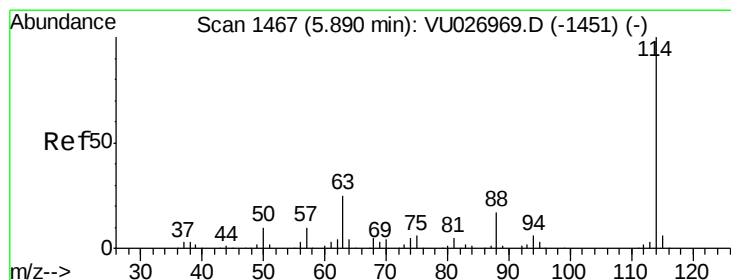
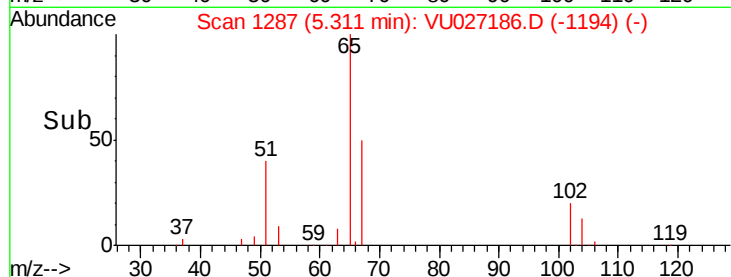
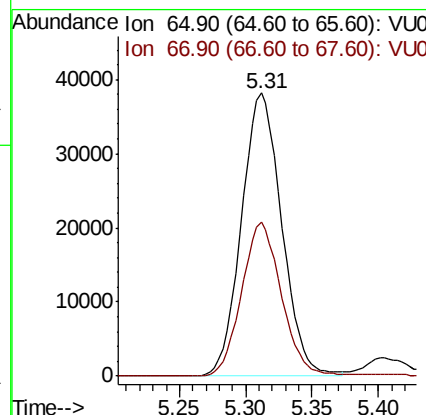
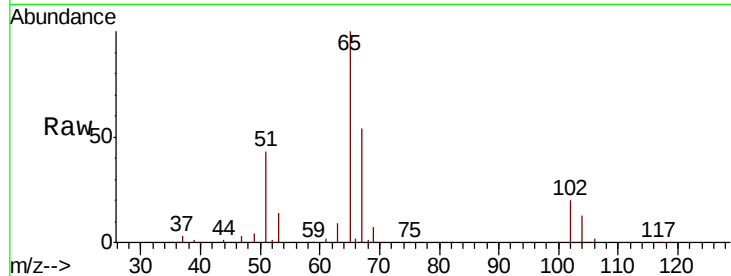
#33
 1,2-Dichloroethane-d4
 Concen: 53.352 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.6

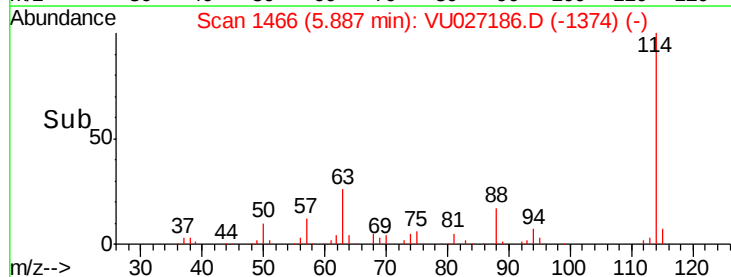
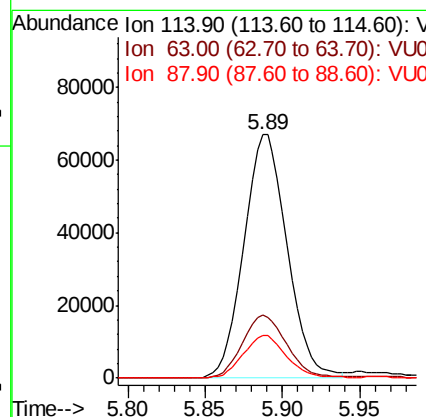
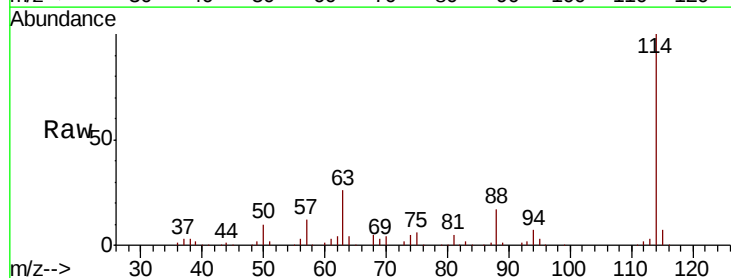
Manual Integrations
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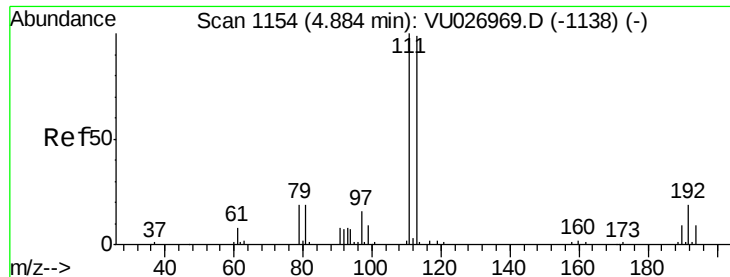
MMDadoda
 9/27/2018 3:33:21 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.9	0.0	49.2
88	17.5	0.0	33.8





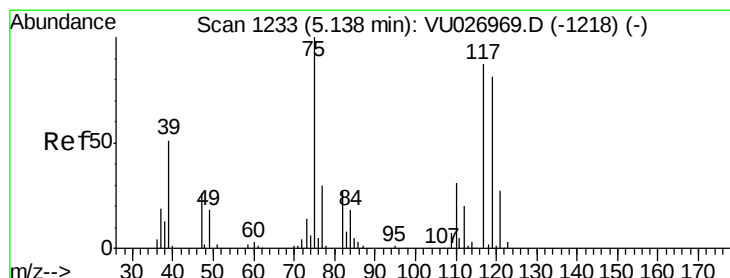
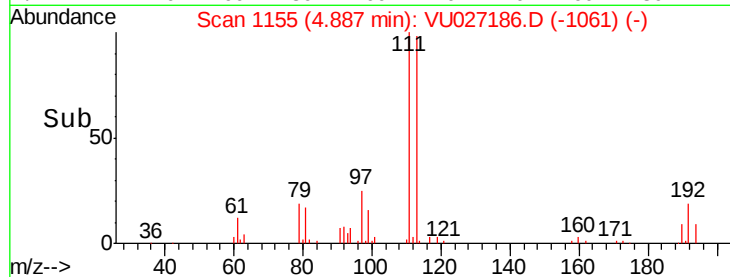
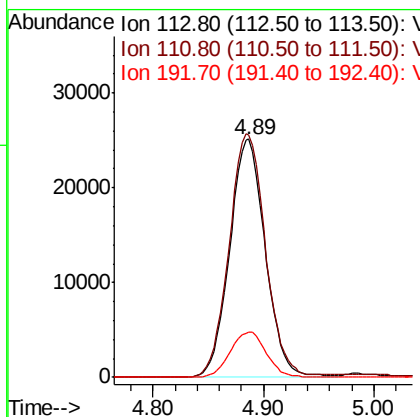
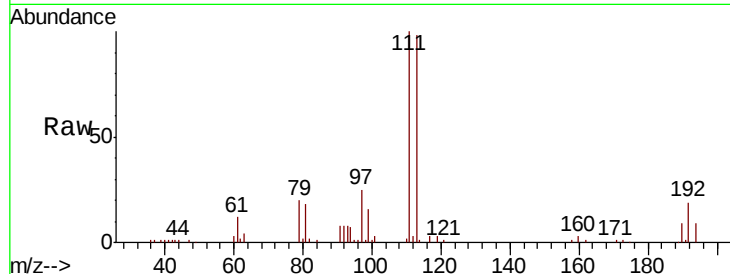
#35
 Dibromofluoromethane
 Concen: 49.777 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	56295		
111	104.6	82.2	123.4	
192	19.1	15.2	22.8	

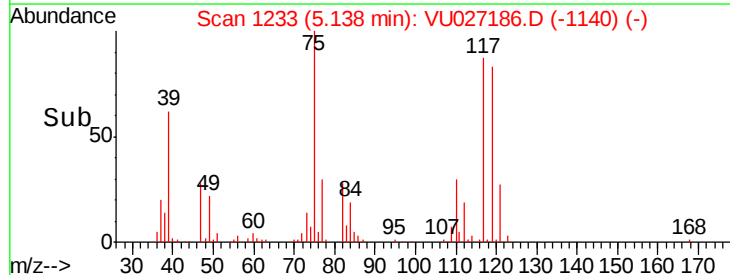
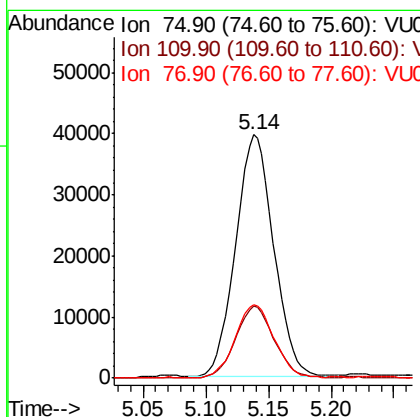
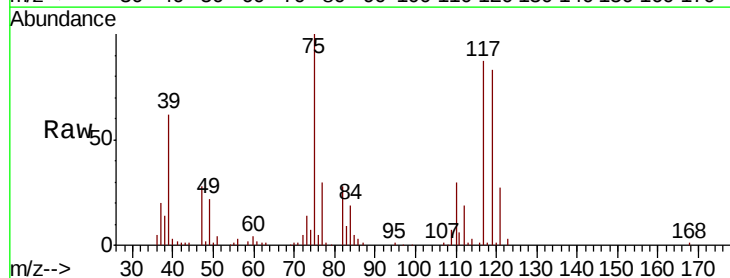
Manual Integrations
 APPROVED

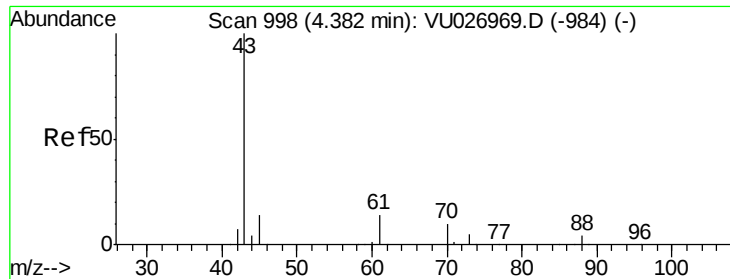
MMDadoda
 9/27/2018 3:33:21 PM



#36
 1,1-Dichloropropene
 Concen: 48.019 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83616		
110	30.2	16.1	48.2	
77	31.0	24.6	36.8	





#37

Ethyl Acetate

Concen: 52.941 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

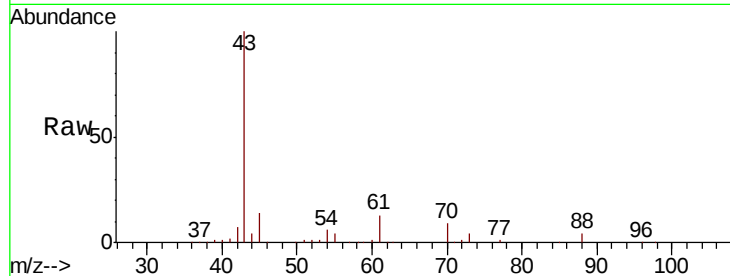
ClientSampleId :

MW-19-092018MSD

Tot Ion:	43	Resp:	124797
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.1	7.4	11.0

Manual Integrations
APPROVED

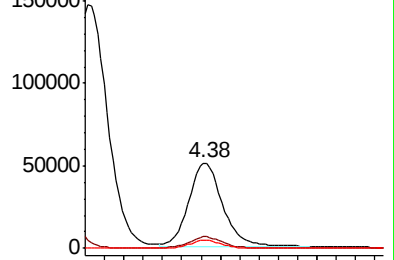
MMDadoda
9/27/2018 3:33:21 PM



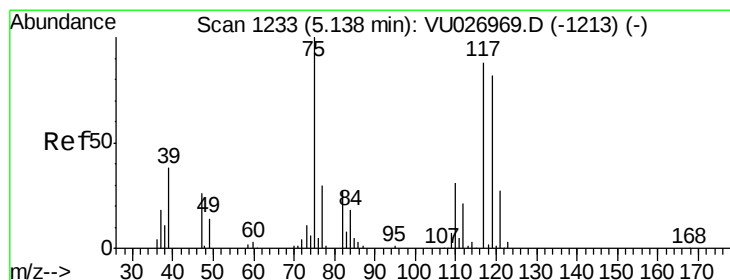
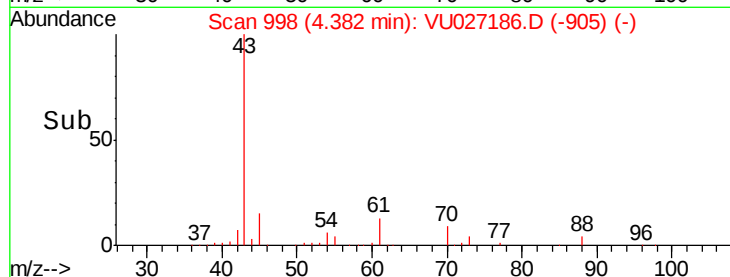
Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-984) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-984) (-)

Ion 70.00 (69.70 to 70.70): VU026969.D (-984) (-)



Time-->



#38

Carbon Tetrachloride

Concen: 48.379 ug/l

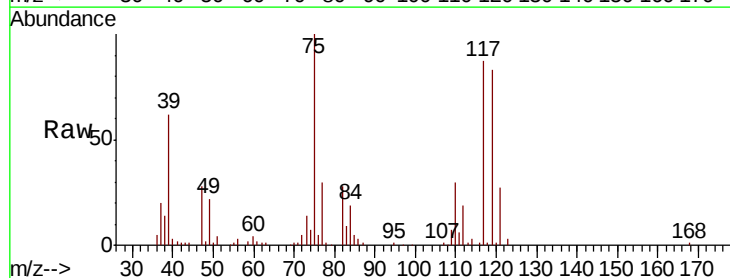
RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

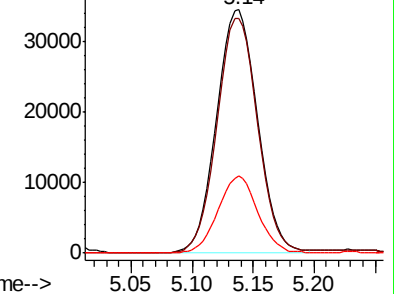
Tgt Ion:	117	Resp:	80169
Ion	Ratio	Lower	Upper
117	100		
119	96.3	74.4	111.6
121	31.6	24.2	36.4



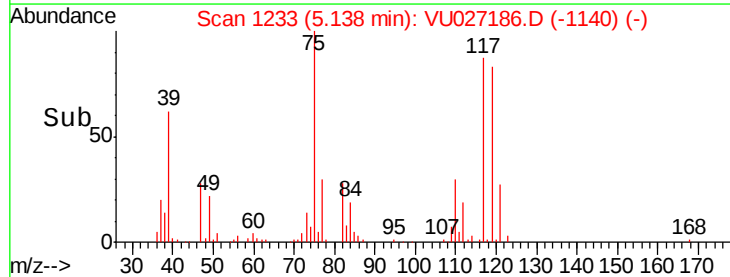
Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)

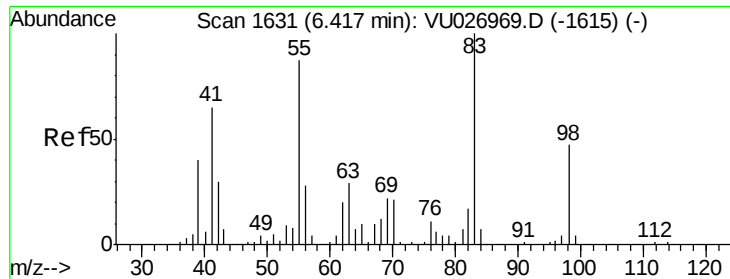
Ion 118.80 (118.50 to 119.50): VU026969.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU026969.D (-1213) (-)



Time-->





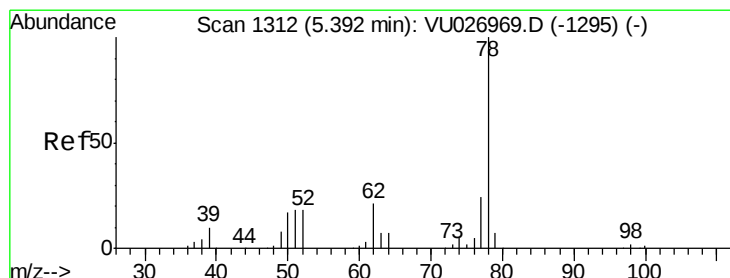
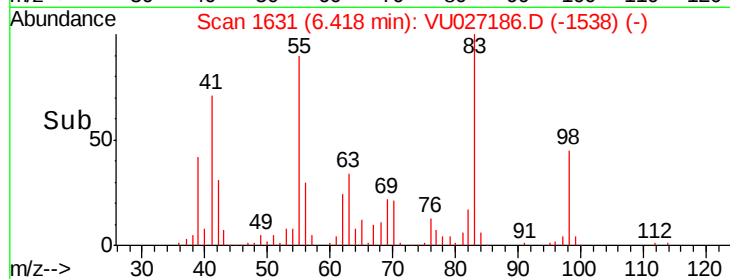
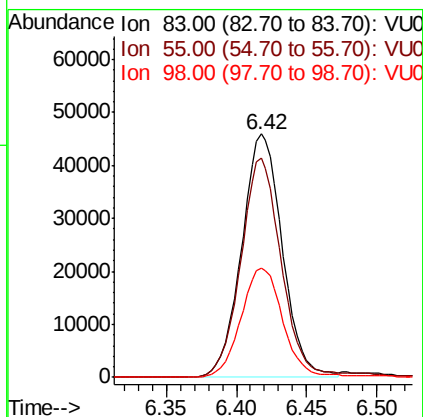
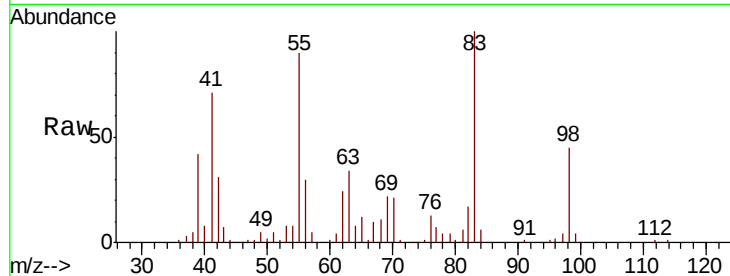
#39
Methvlcvclohexane
Concen: 48.957 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.1	69.9	104.9
98	44.6	37.5	56.3

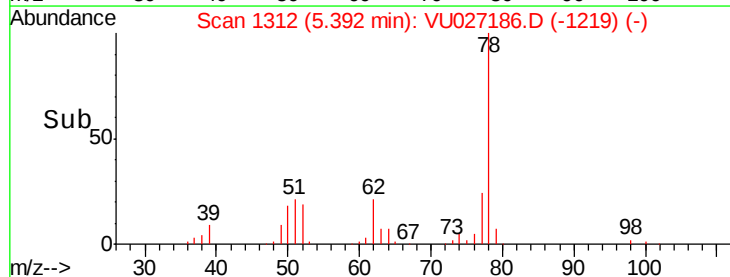
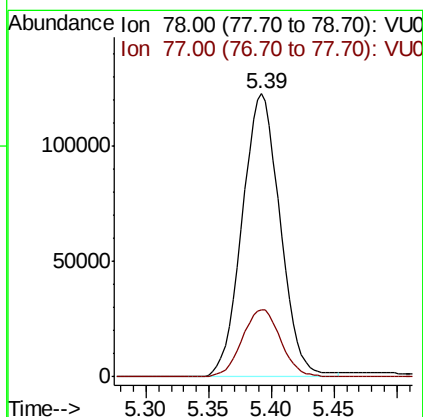
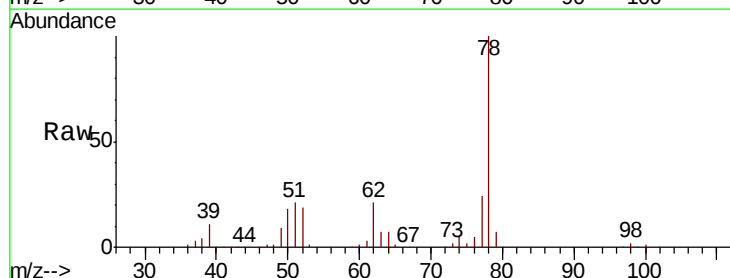
Manual Integrations
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#40
Benzene
Concen: 48.966 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





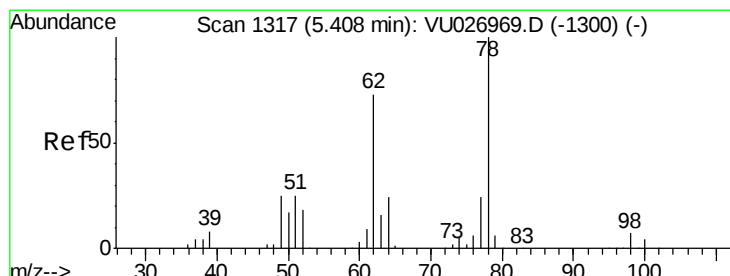
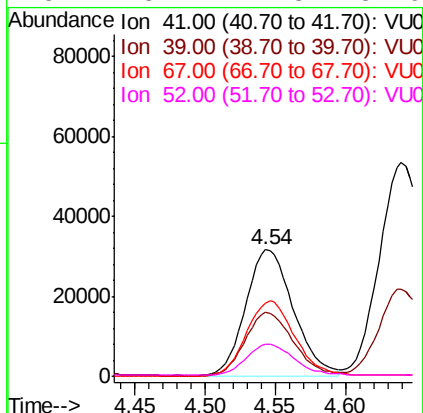
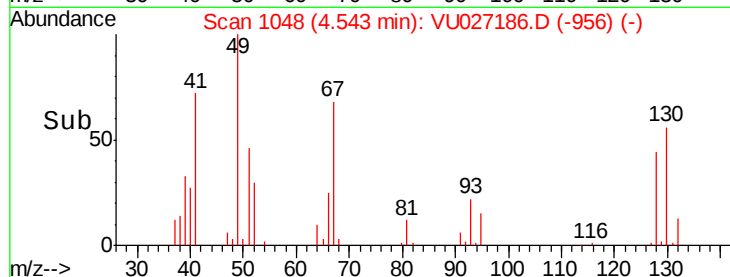
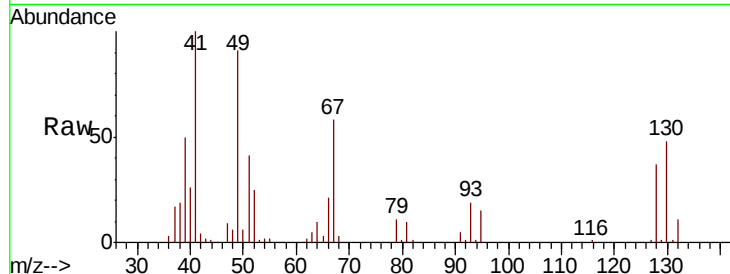
#41
Methacrylonitrile
Concen: 60.884 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.7	42.9	64.3	
67	61.1	52.4	78.6	
52	25.2	21.3	31.9	

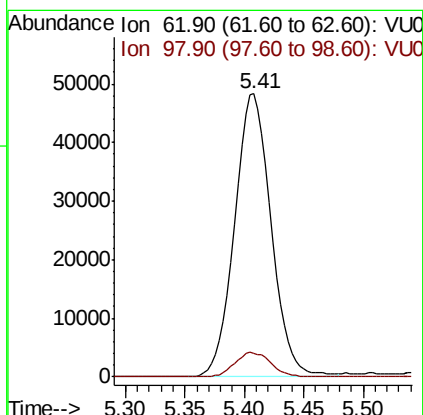
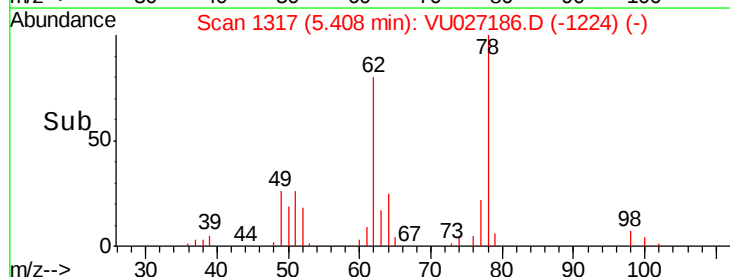
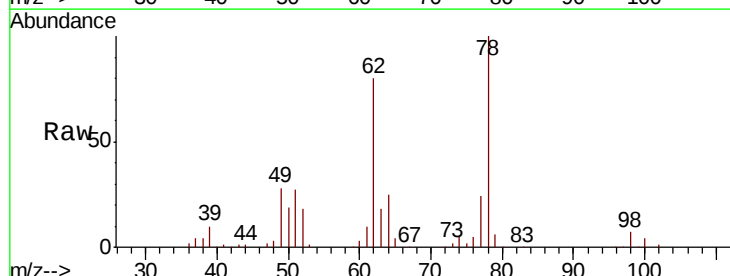
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 51.556 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.0	





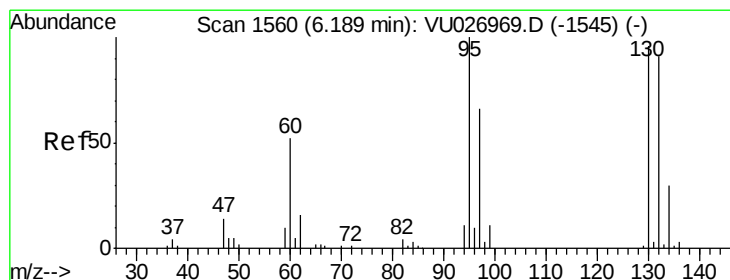
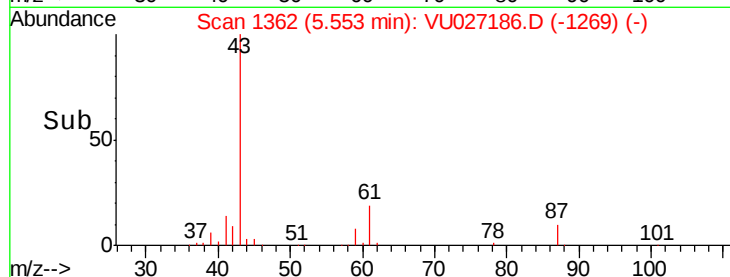
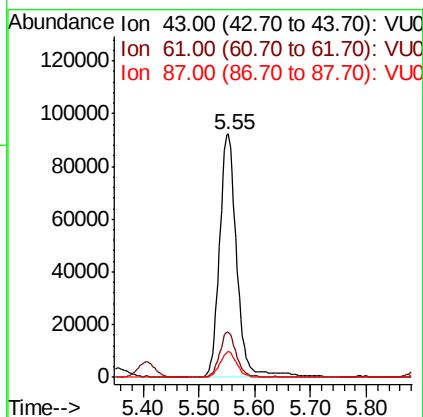
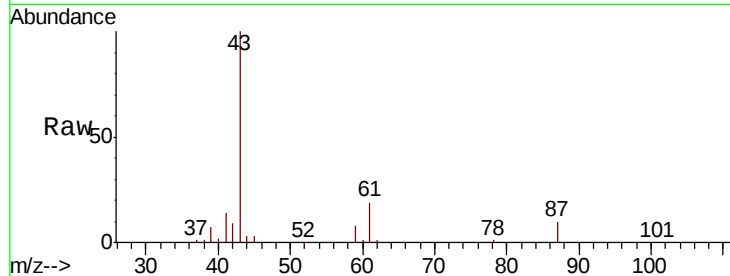
#43
Isopropyl Acetate
Concen: 57.643 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.7	23.5
87	10.2	9.0	13.4

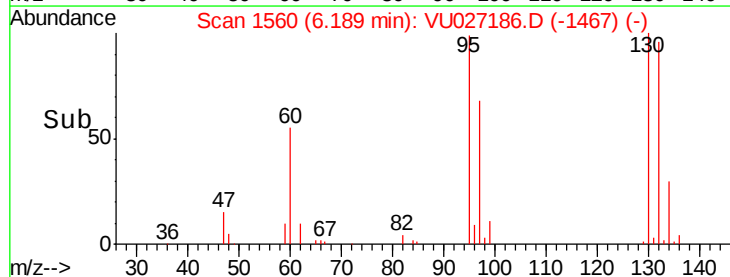
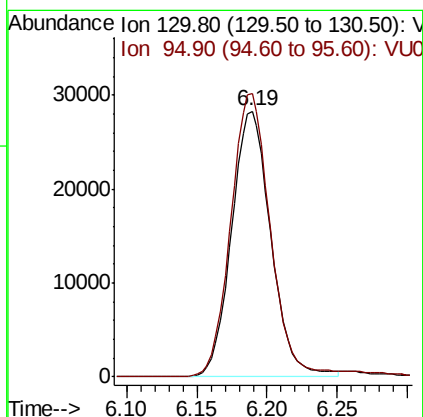
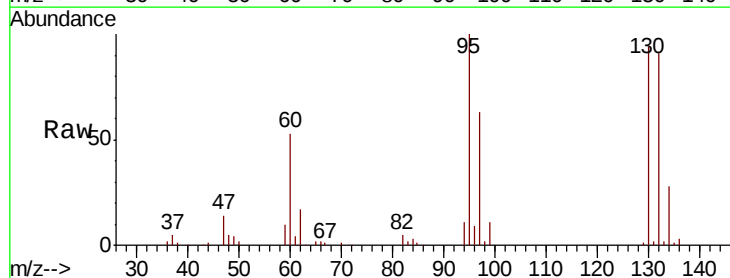
Manual Integrations
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#44
Trichloroethene
Concen: 49.120 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	208.8





#45

1,2-Dichloropropane

Concen: 52.225 ug/l

RT: 6.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

MW-19-092018MSD

Tot Ion: 63 Resp: 78772

Ion Ratio Lower Upper

63 100

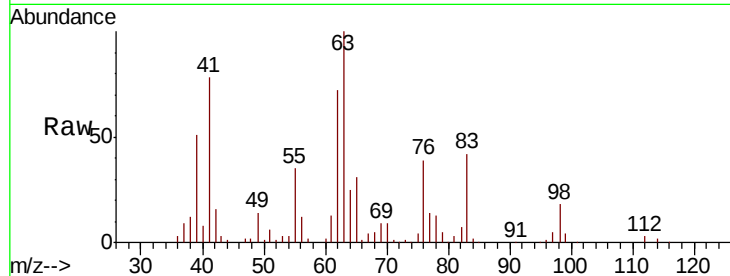
65 31.4 24.3 36.5

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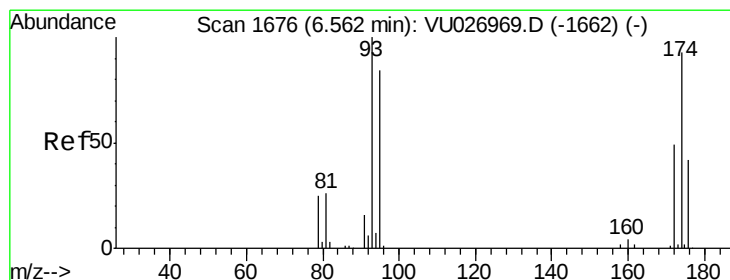
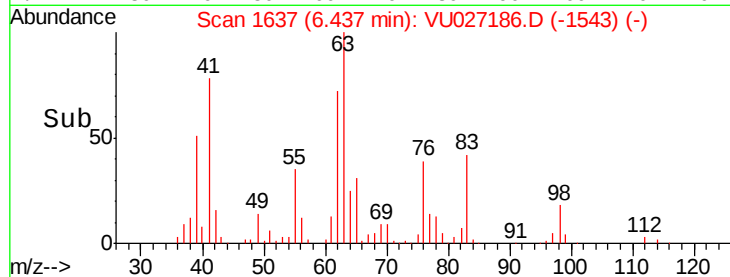
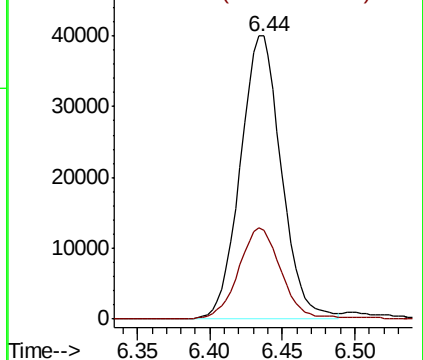
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 49.893 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

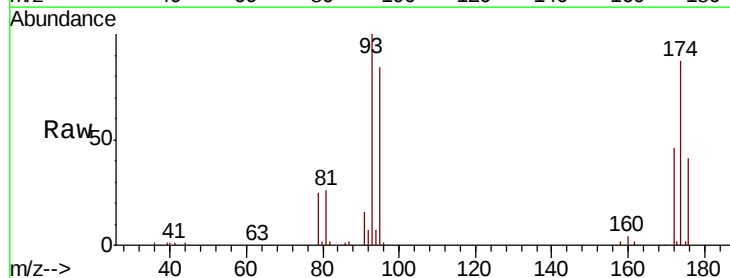
Tgt Ion: 93 Resp: 45450

Ion Ratio Lower Upper

93 100

95 85.2 66.2 99.4

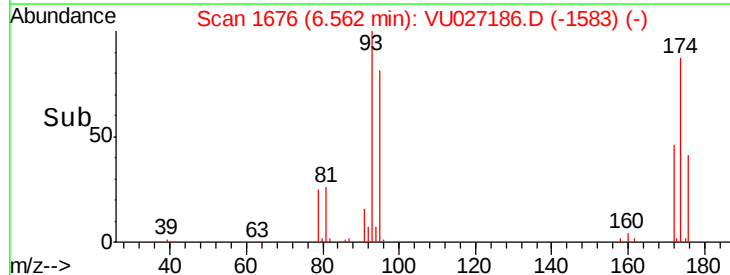
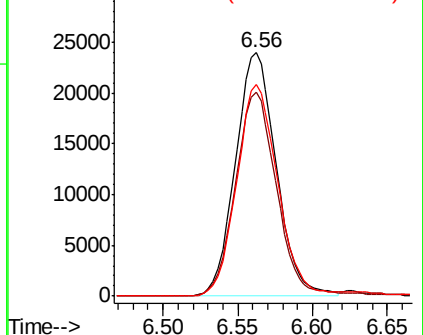
174 87.2 71.7 107.5

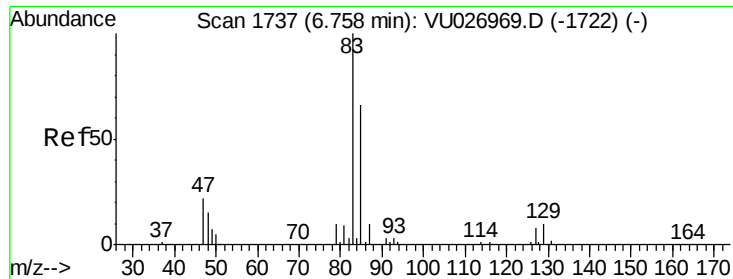


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





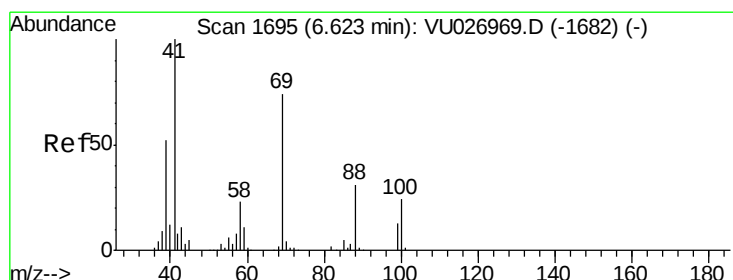
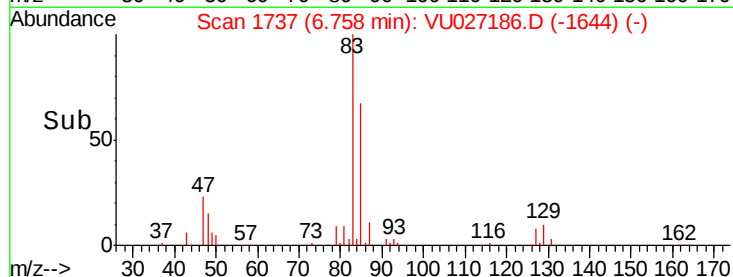
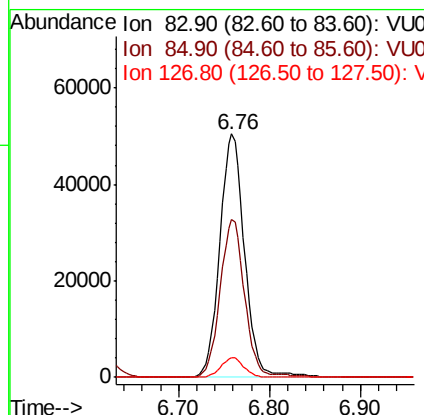
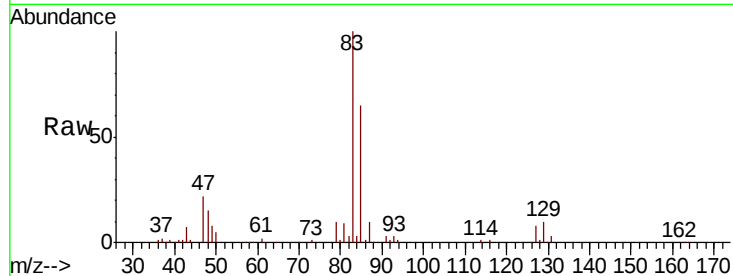
#47
Bromodichloromethane
Concen: 51.850 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

Tot Ion	83	Resp	95506
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	52.5	78.7
127	8.0	6.3	9.5

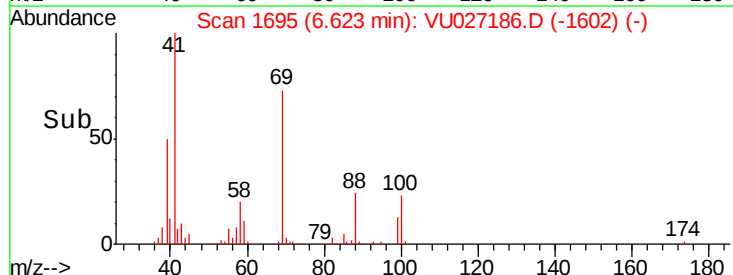
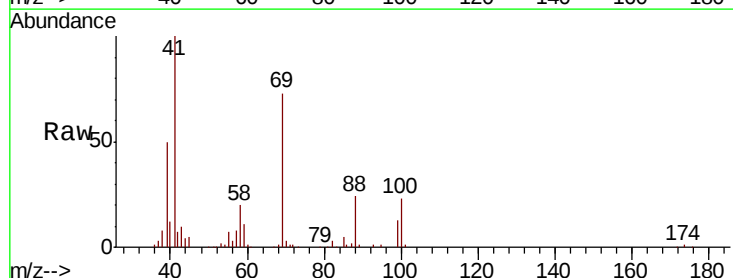
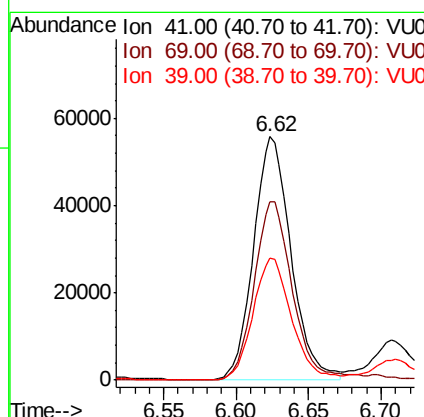
Manual Integrations
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#48
Methyl methacrylate
Concen: 53.891 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion	41	Resp	100987
Ion Ratio	100	Lower	Upper
41	100		
69	75.2	60.6	90.8
39	51.6	42.8	64.2





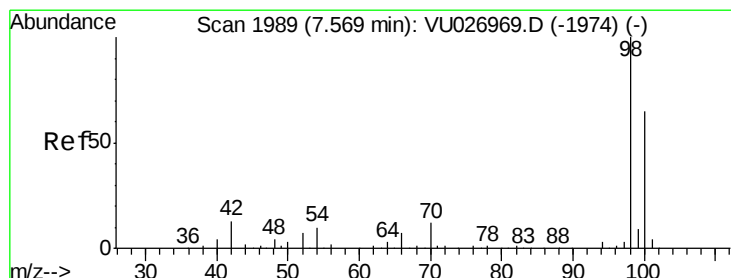
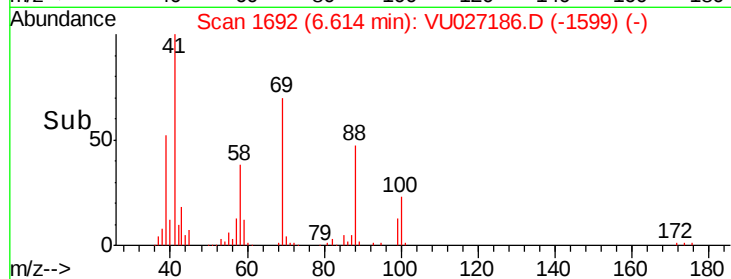
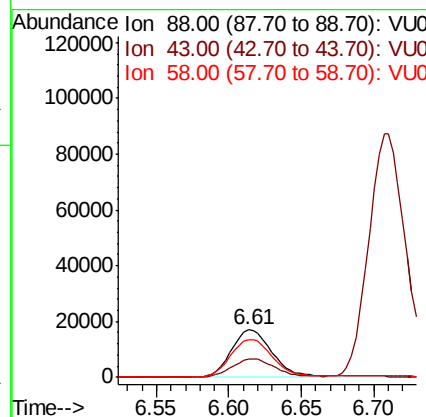
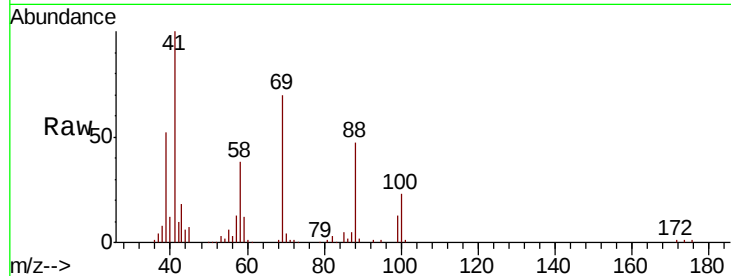
#49
1,4-Dioxane
Concen: 906.517 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.3	29.8	44.8
58	82.1	63.9	95.9

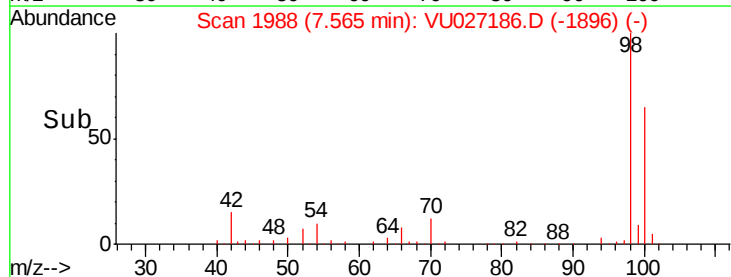
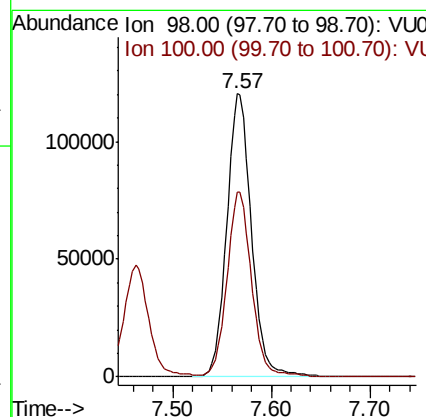
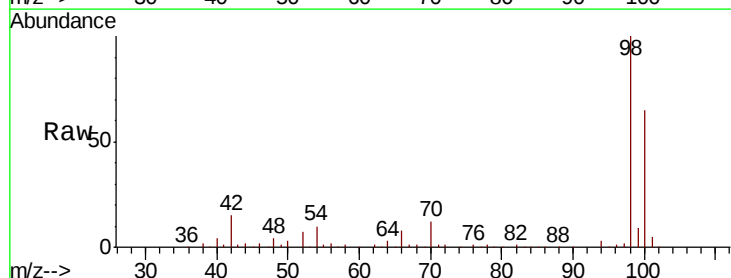
Manual Integrations
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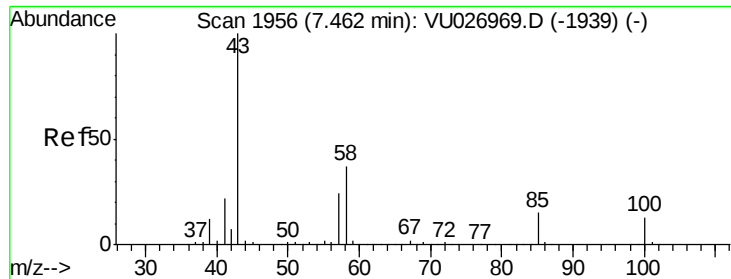
MMDadoda
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#50
Toluene-d8
Concen: 49.161 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 299.868 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

MW-19-092018MSD

Tot Ion: 43 Resp: 693332

Ion Ratio Lower Upper

43 100

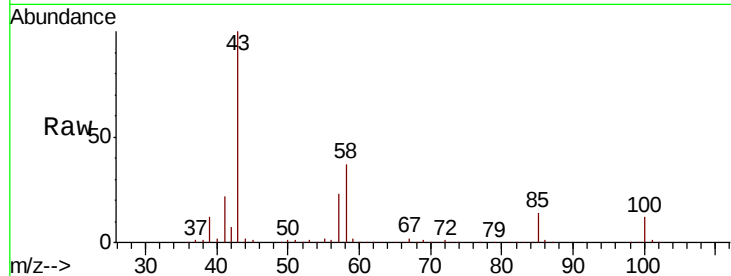
58 36.8 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.46

400000

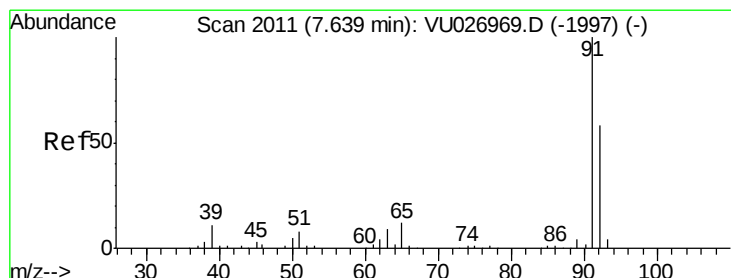
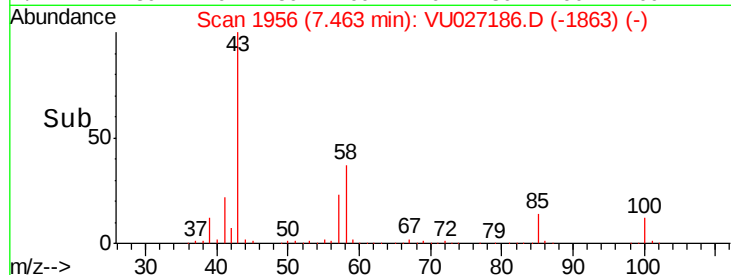
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.737 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027186.D

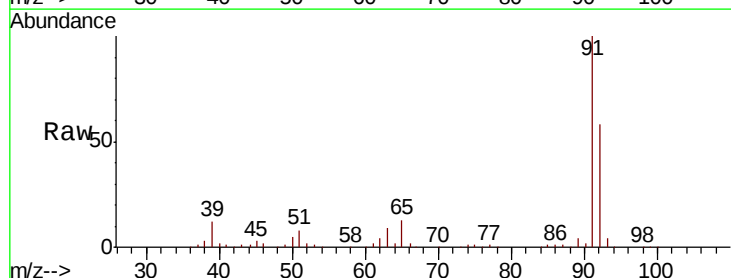
Acq: 26 Sep 2018 18:34

Tgt Ion: 92 Resp: 156985

Ion Ratio Lower Upper

92 100

91 171.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

7.64

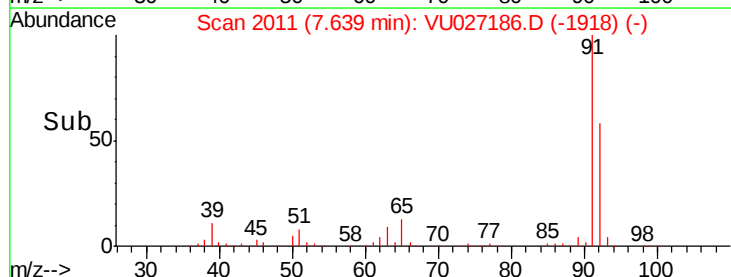
150000

100000

50000

0

Time-->





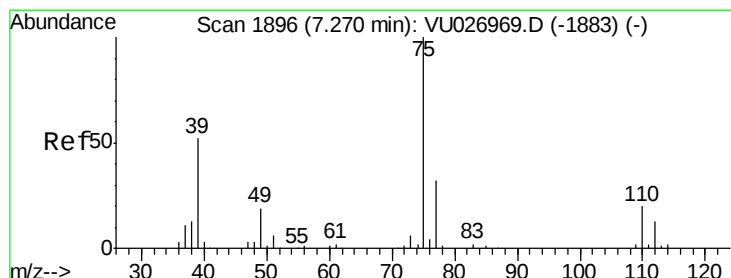
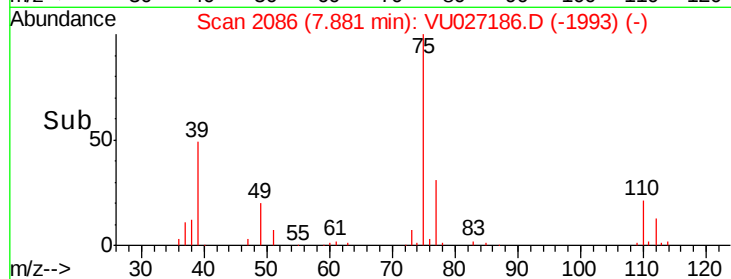
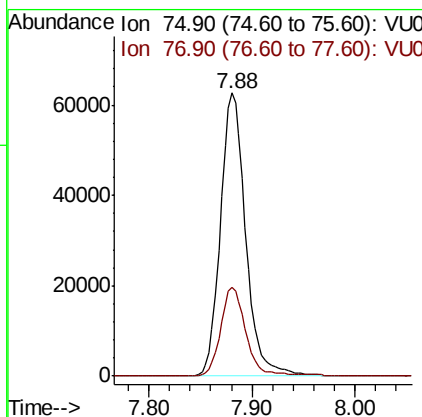
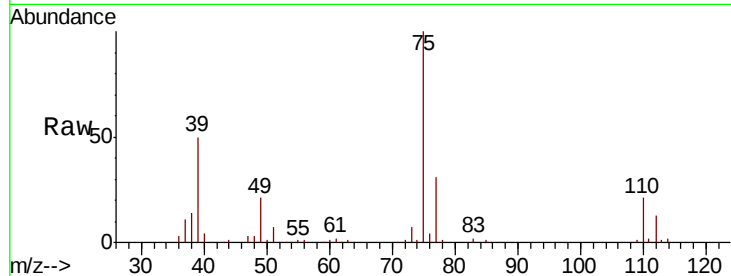
#53
t-1,3-Dichloropropene
Concen: 53.968 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

Tot Ion: 75 Resp: 106806
Ion Ratio Lower Upper
75 100
77 31.3 25.3 37.9

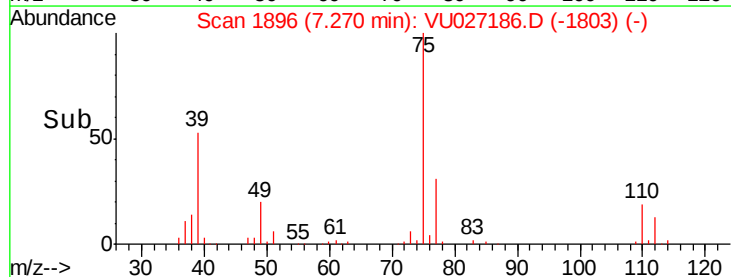
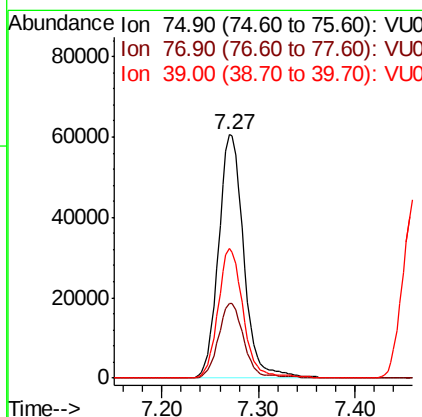
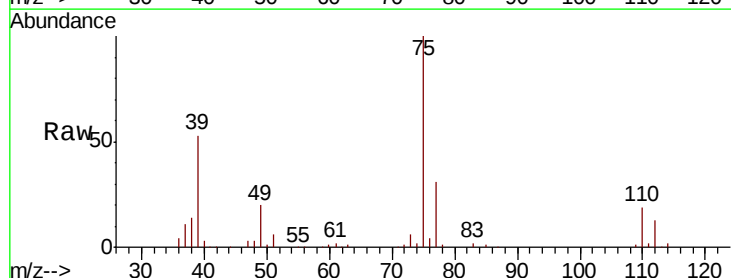
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#54
cis-1,3-Dichloropropene
Concen: 50.444 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion: 75 Resp: 109767
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.0
39 53.3 41.6 62.4





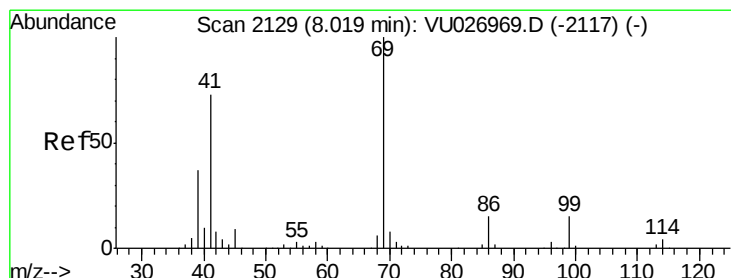
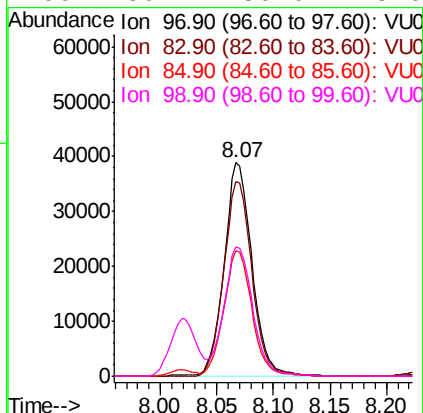
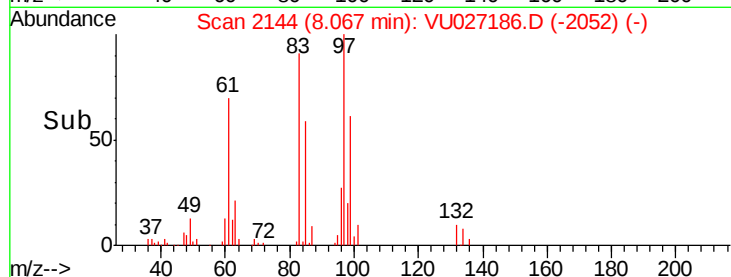
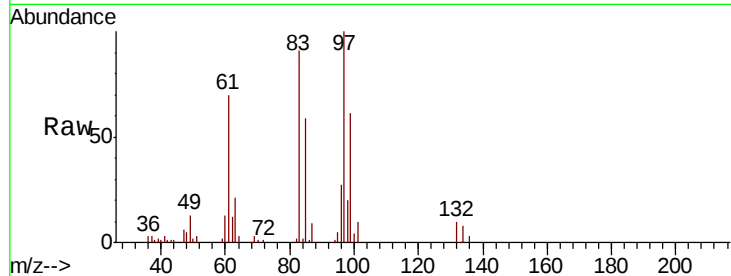
#55
 1,1,2-Trichloroethane
 Concen: 52.111 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018MSD

Tot Ion:	97	Resp:	66999
Ion	Ratio	Lower	Upper
97	100		
83	90.9	73.1	109.7
85	58.9	46.7	70.1
99	60.7	50.0	75.0

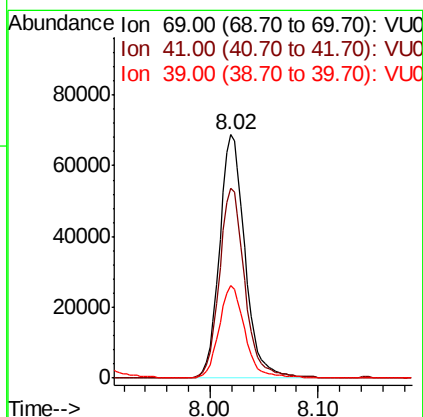
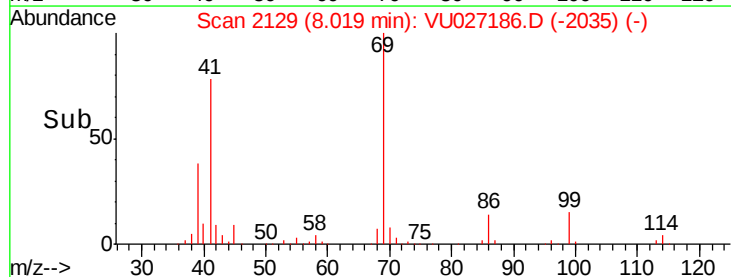
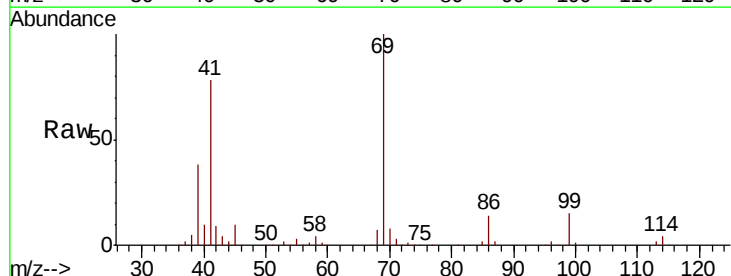
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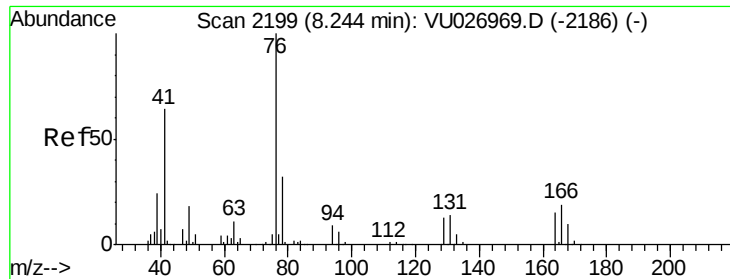
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#56
 Ethyl methacrylate
 Concen: 50.580 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Tgt Ion:	69	Resp:	112893
Ion	Ratio	Lower	Upper
69	100		
41	78.1	59.0	88.4
39	37.9	30.2	45.4





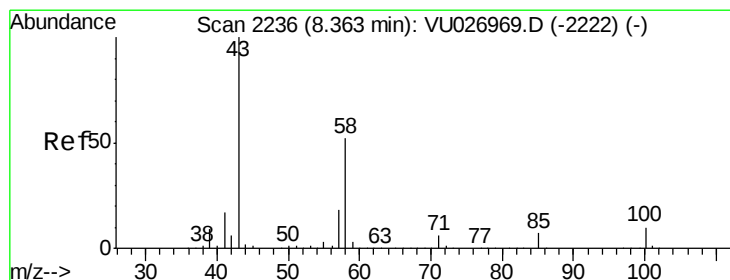
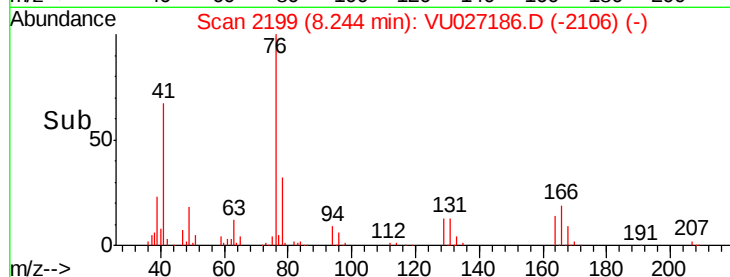
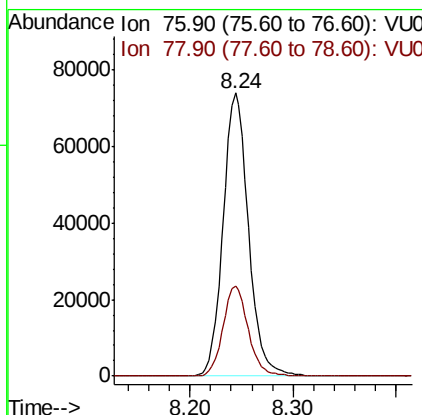
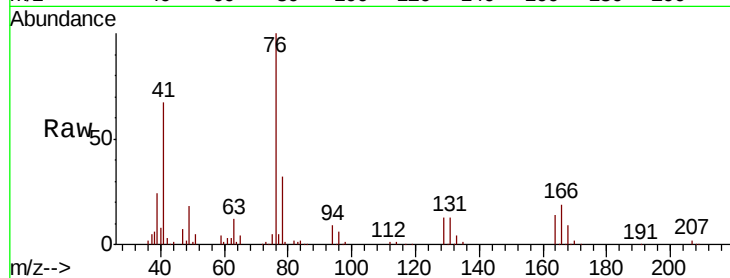
#57
 1,3-Dichloropropane
 Concen: 53.075 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.5	38.3

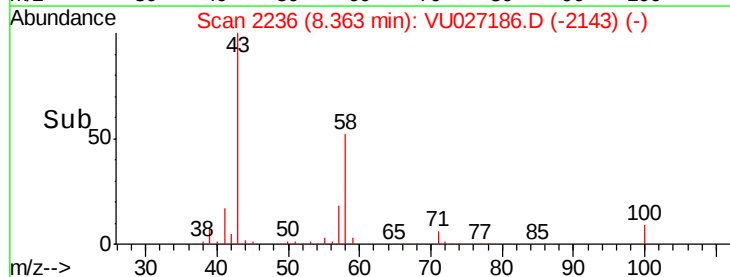
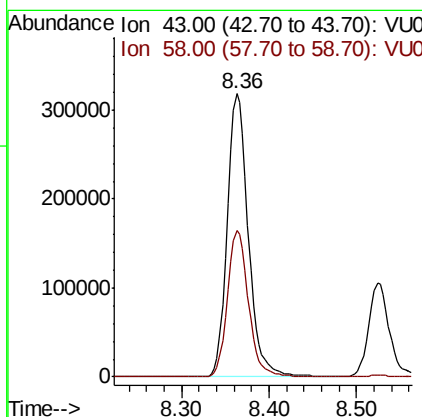
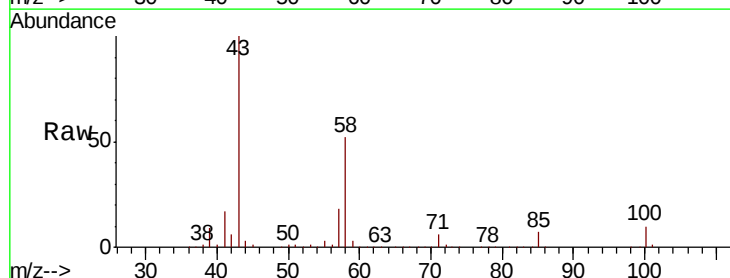
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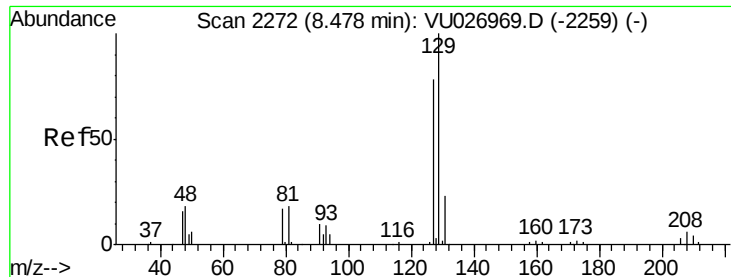
MMDadoda
 9/27/2018 3:33:21 PM



#59
 2-Hexanone
 Concen: 294.510 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.4	26.1	78.2





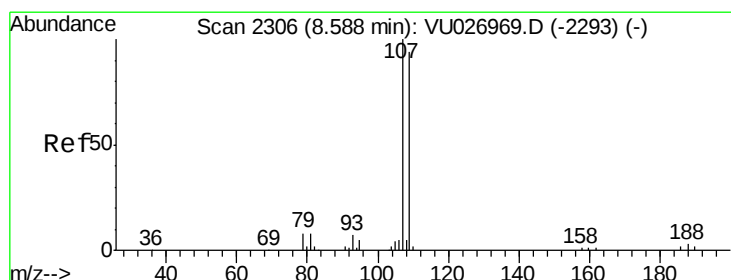
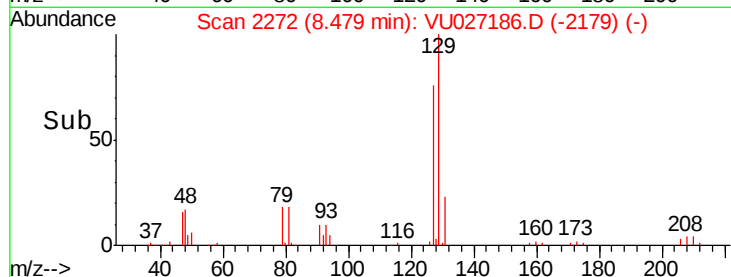
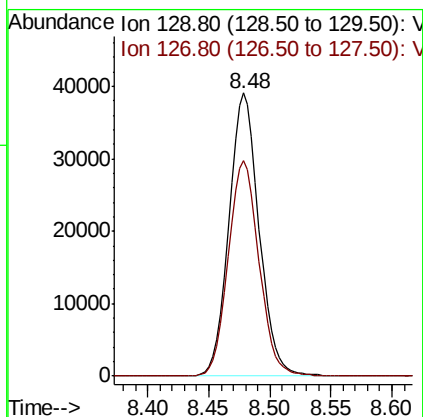
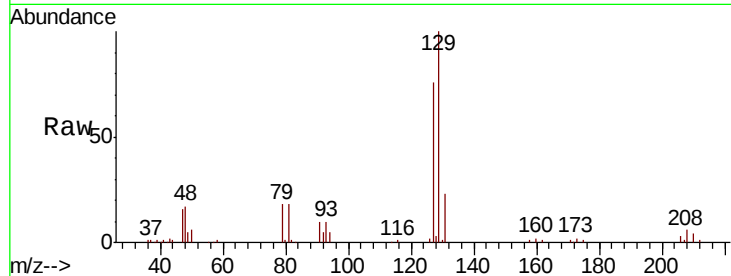
#60
Dibromochloromethane
Concen: 53.367 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

Tot Ion:129 Resp: 67303
Ion Ratio Lower Upper
129 100
127 77.8 38.1 114.5

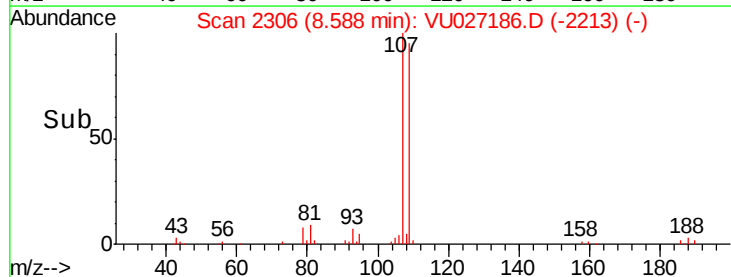
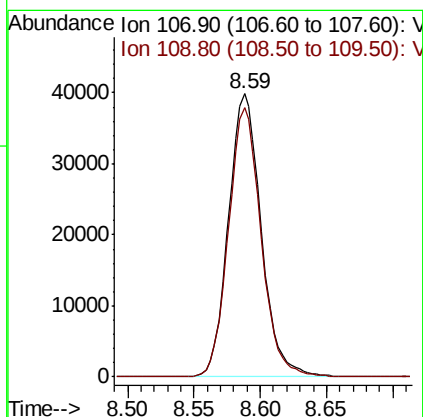
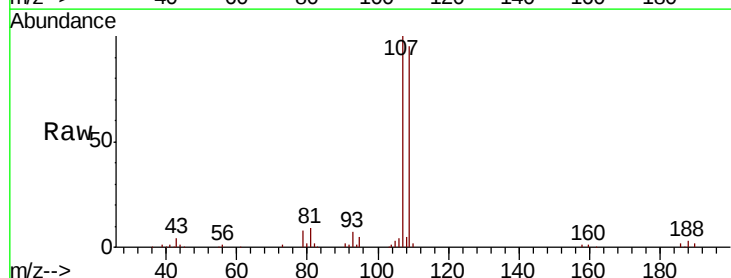
Manual Integrations
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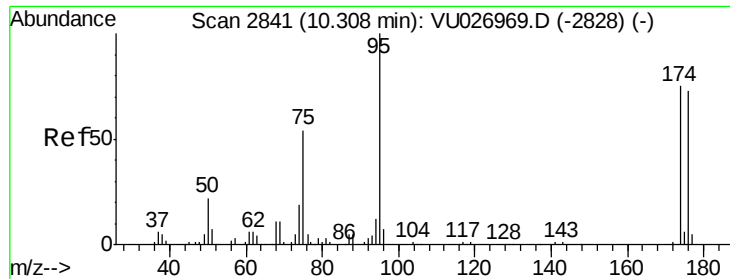
MMDadoda
9/27/2018 3:33:21 PM



#61
1,2-Dibromoethane
Concen: 51.105 ug/l
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion:107 Resp: 68365
Ion Ratio Lower Upper
107 100
109 94.8 75.0 112.6





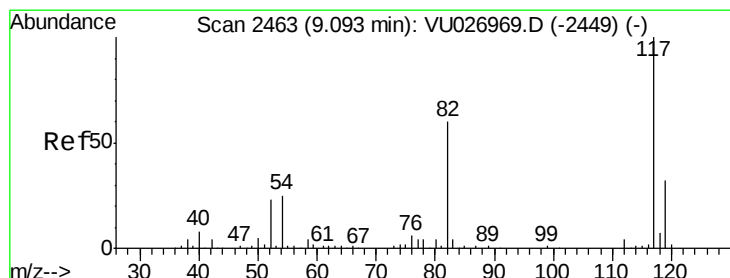
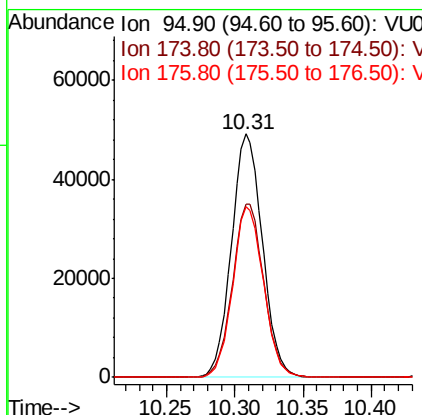
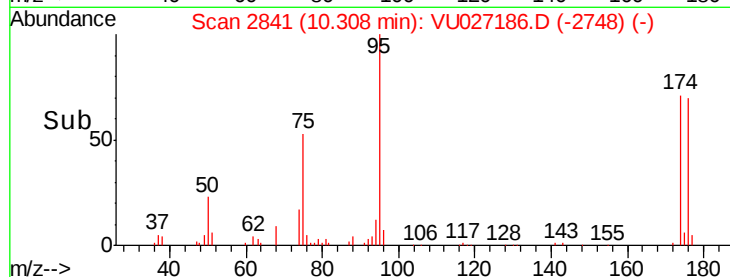
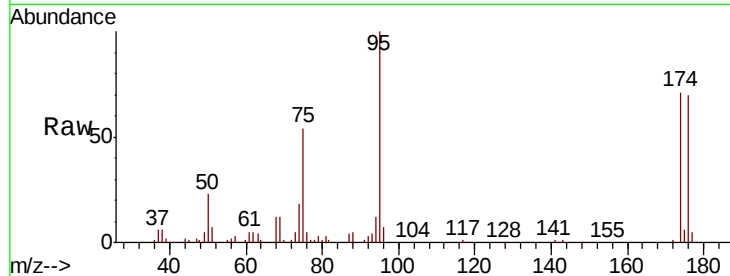
#62
4-Bromofluorobenzene
Concen: 52.480 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

Tot Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	150.2
176	69.6	0.0	145.2

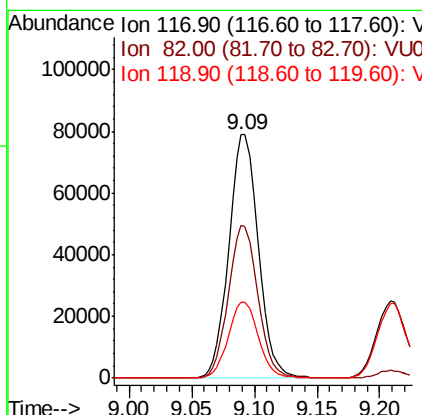
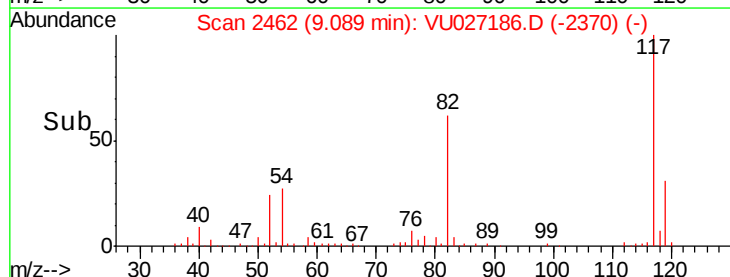
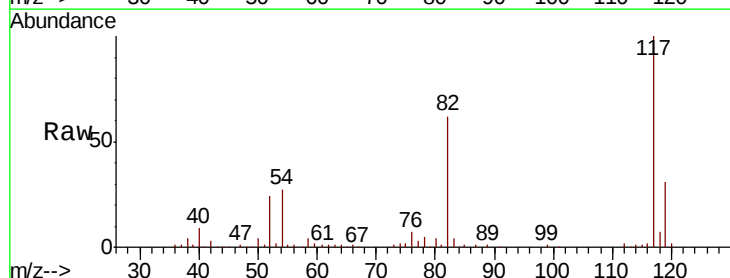
Manual Integrations
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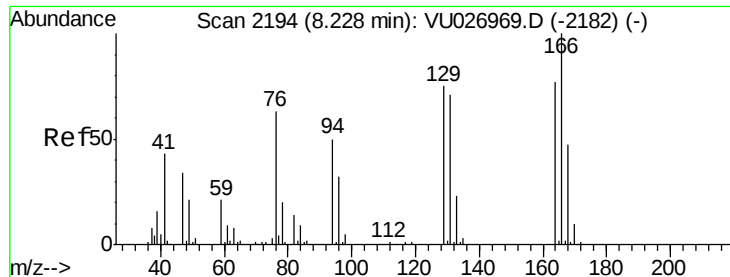
MMDadoda
9/27/2018 3:33:21 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.5	48.0	72.0
119	31.4	25.8	38.8





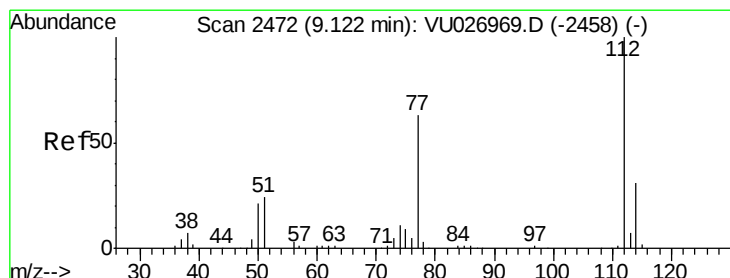
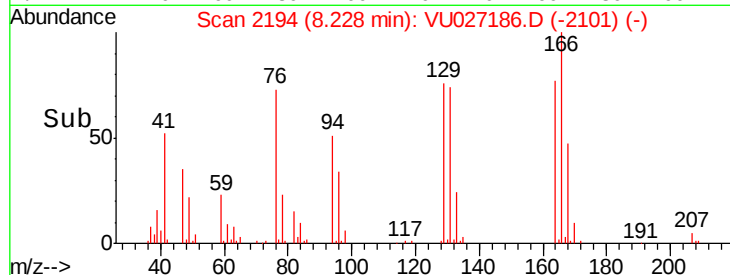
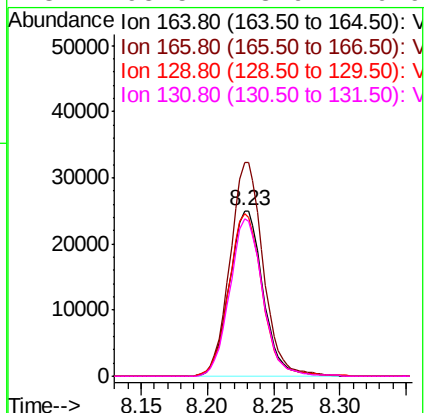
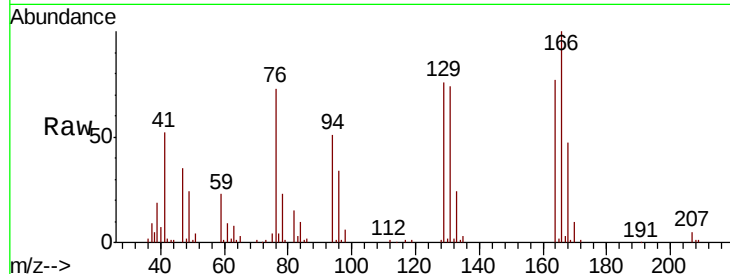
#64
Tetrachloroethene
Concen: 44.267 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.3	104.4	156.6
129	98.3	78.7	118.1
131	95.5	73.9	110.9

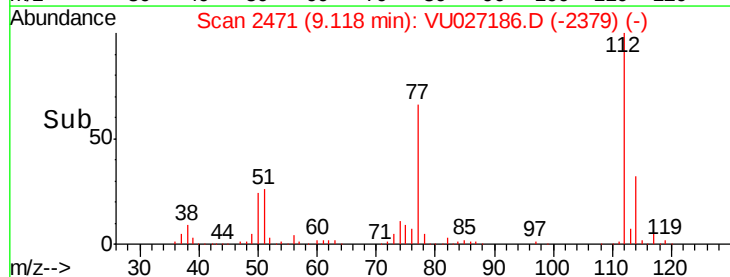
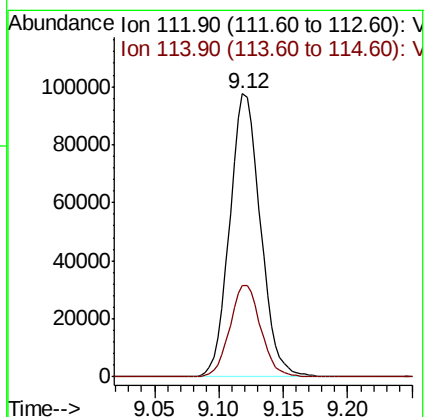
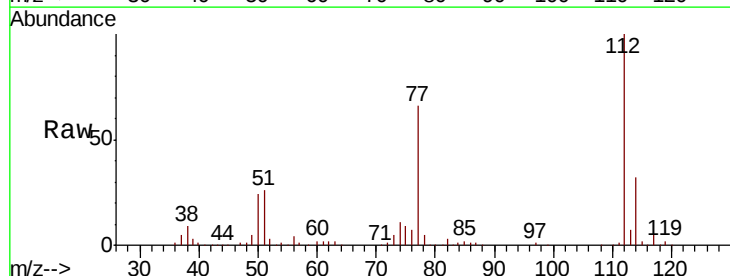
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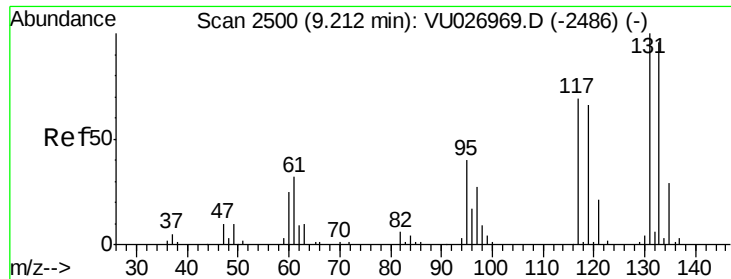
MMDadoda
9/27/2018 3:33:21 PM



#65
Chlorobenzene
Concen: 47.350 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.6





#66

1,1,1,2-Tetrachloroethane

Concen: 51.740 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

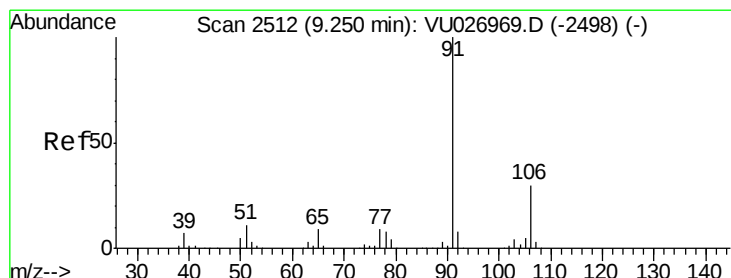
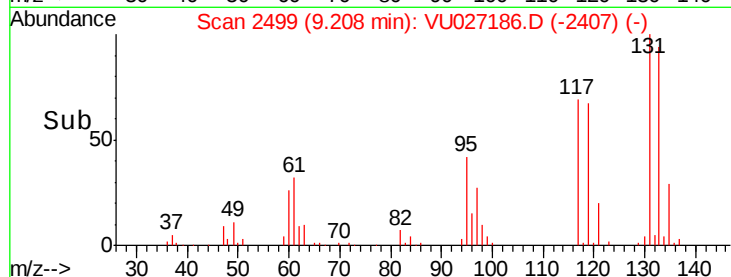
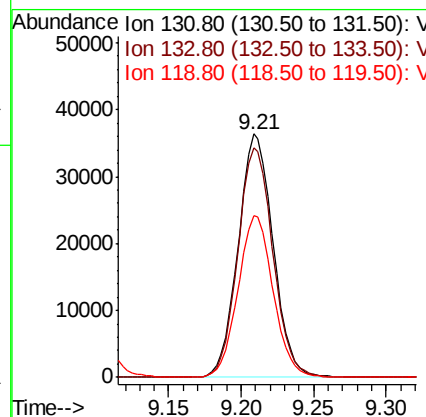
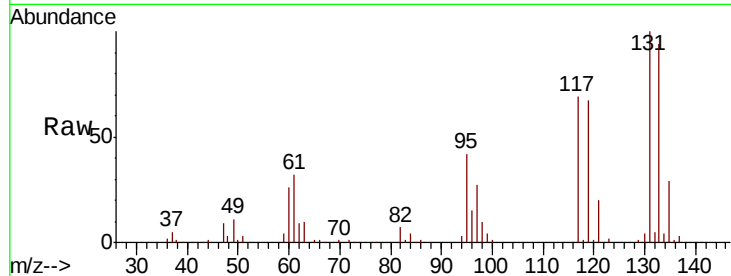
ClientSampleId :

MW-19-092018MSD

Tot Ion:	131	Resp:	61015
Ion Ratio	Lower	Upper	
131	100		
133	94.7	48.0	144.2
119	66.6	33.4	100.1

Manual Integrations
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#67

Ethyl Benzene

Concen: 51.998 ug/l

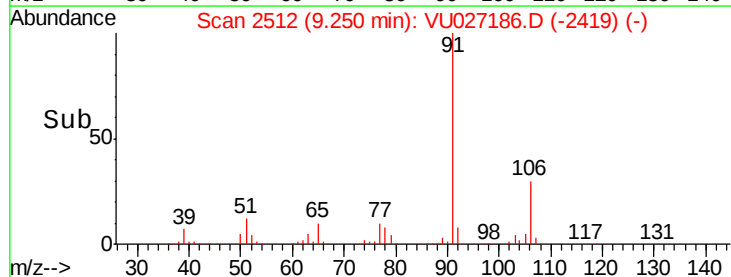
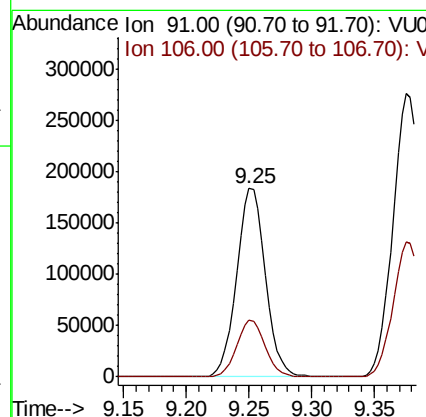
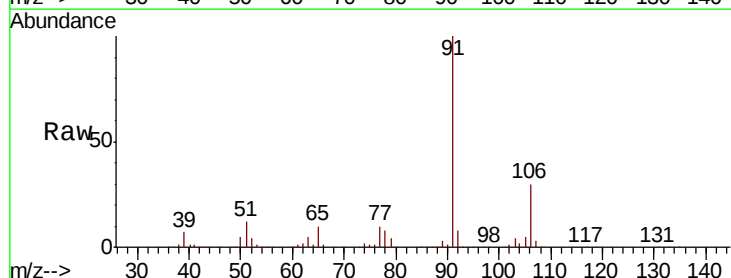
RT: 9.25 min Scan# 2512

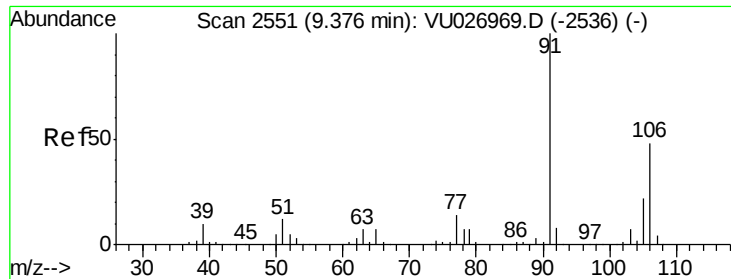
Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Tgt Ion:	91	Resp:	292747
Ion Ratio	Lower	Upper	
91	100		
106	30.0	23.8	35.8





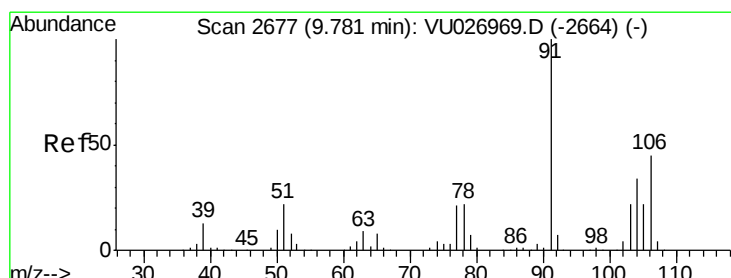
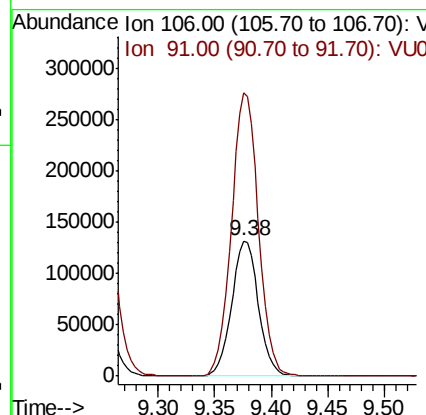
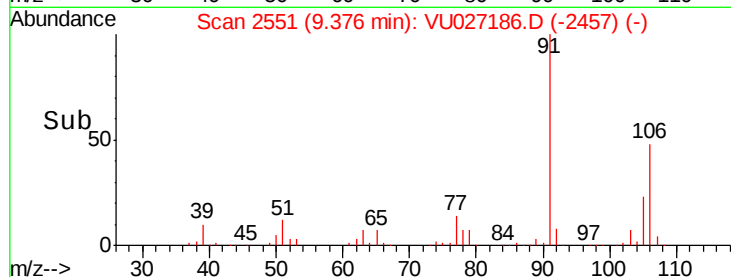
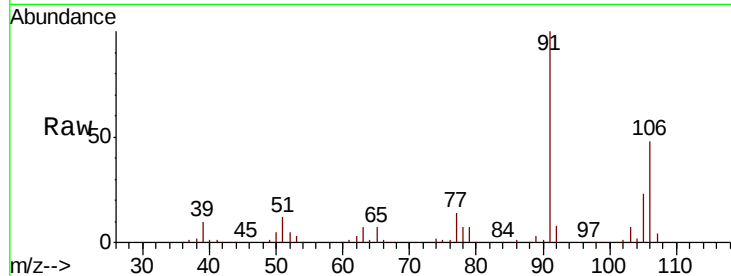
#68
m/p-Xylenes
Concen: 95.299 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

Tot Ion:106 Resp: 217124
Ion Ratio Lower Upper
106 100
91 210.5 166.5 249.7

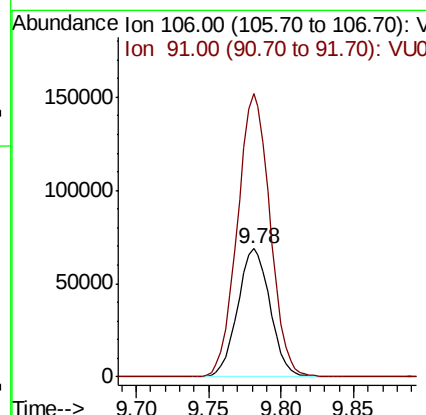
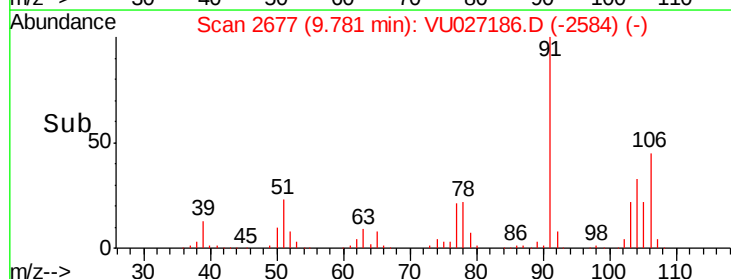
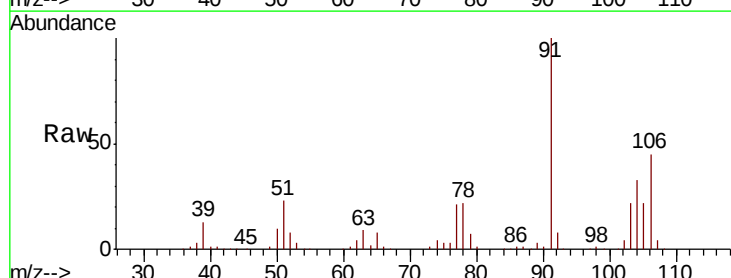
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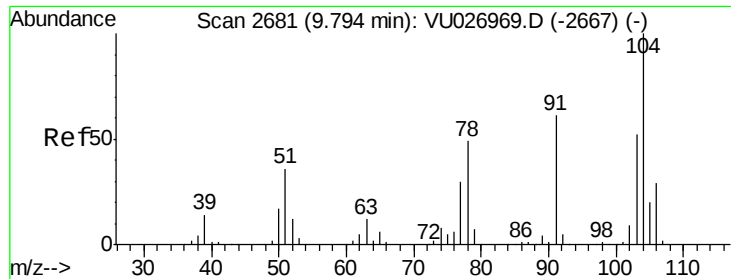
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#69
o-Xylene
Concen: 53.334 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion:106 Resp: 106390
Ion Ratio Lower Upper
106 100
91 222.6 110.2 330.6





#70

Stvrene

Concen: 47.983 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

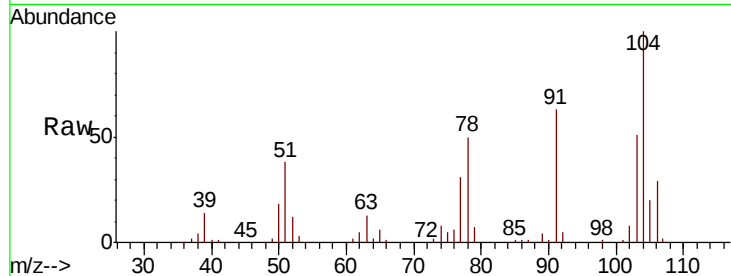
ClientSampleId :

MW-19-092018MSD

Tot Ion:	104	Resp:	178434
Ion Ratio	Lower	Upper	
104	100		
78	54.7	43.0	64.4
103	55.3	44.1	66.1

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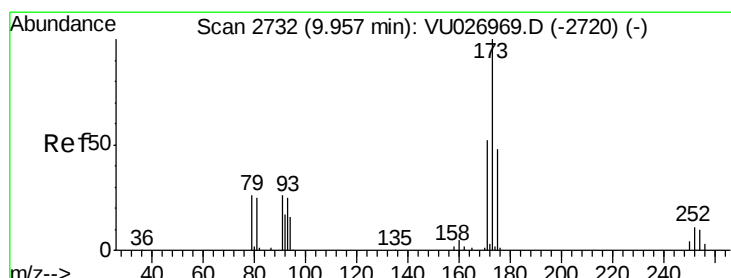
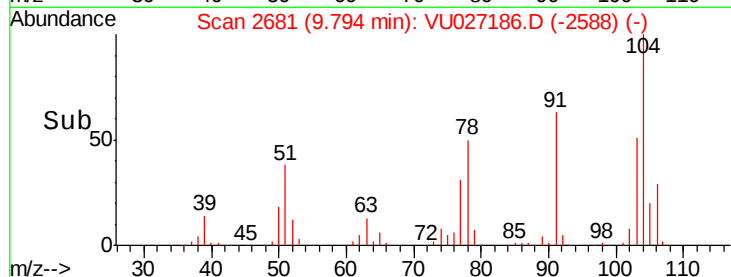
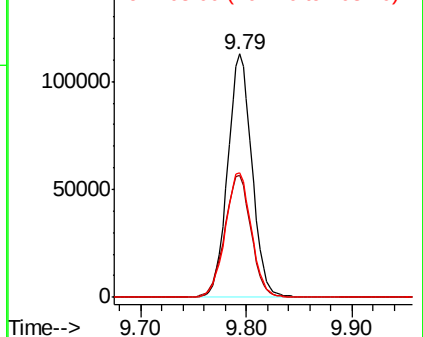


Abundance

Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 53.944 ug/l

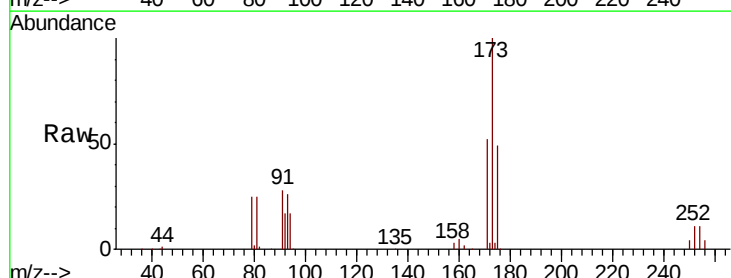
RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Tgt Ion:	173	Resp:	49193
Ion Ratio	Lower	Upper	
173	100		
175	49.2	23.9	71.8
254	0.0	0.0	0.0

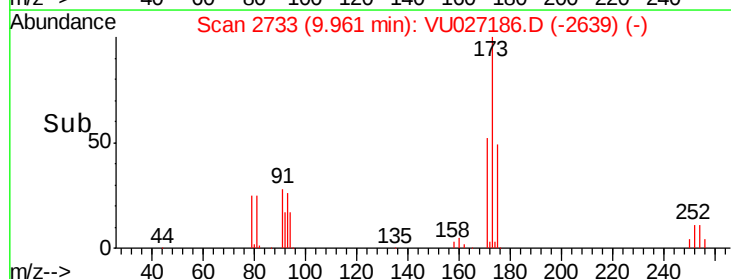
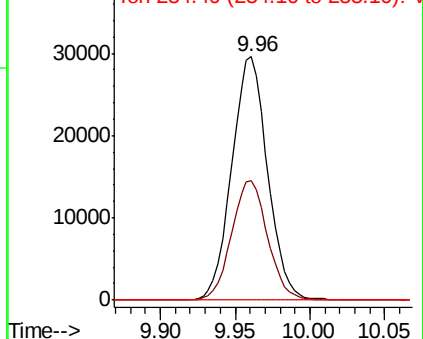


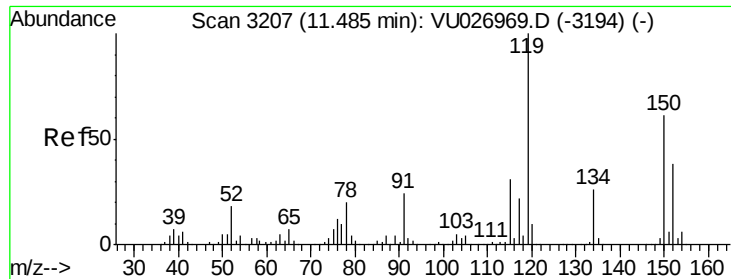
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

MW-19-092018MSD

Tot Ion:152 Resp: 70877

Ion Ratio Lower Upper

152 100

115 88.1 44.9 134.5

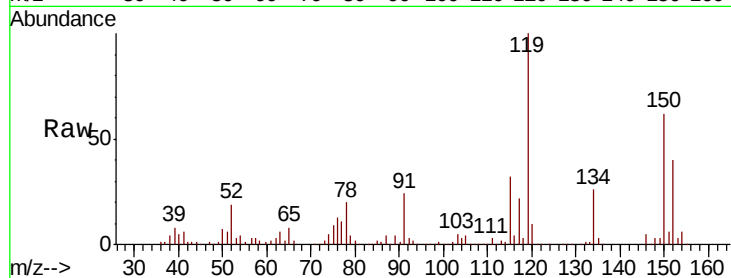
150 174.5 0.0 355.8

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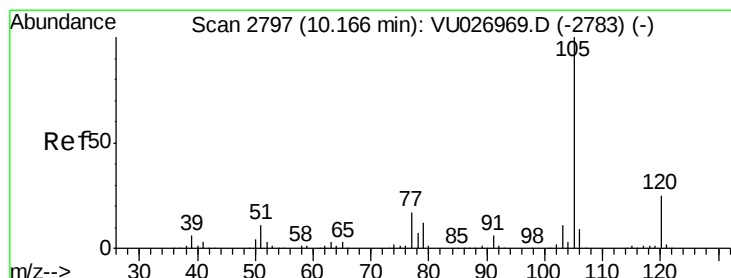
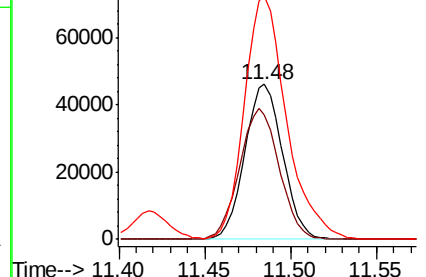
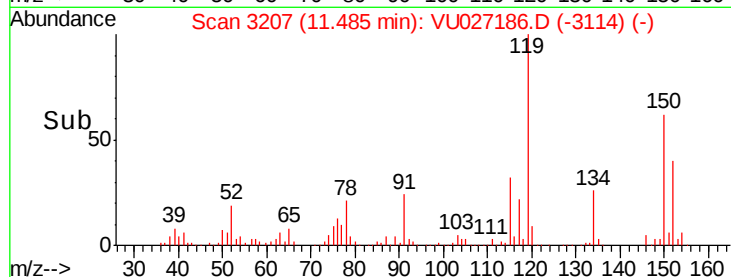
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 53.032 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027186.D

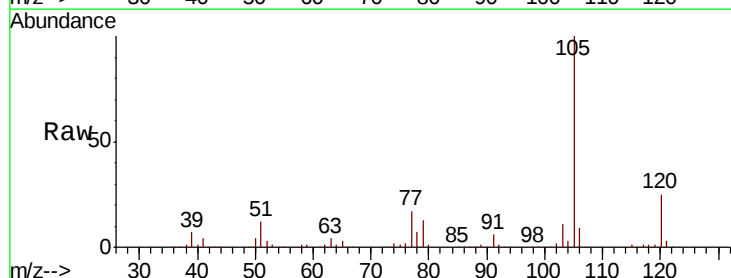
Acq: 26 Sep 2018 18:34

Tgt Ion:105 Resp: 285924

Ion Ratio Lower Upper

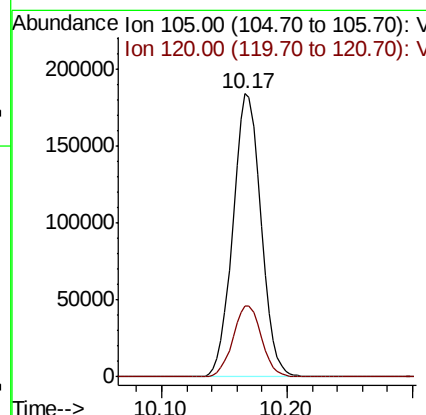
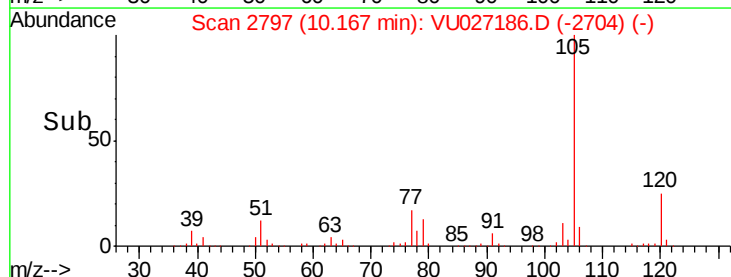
105 100

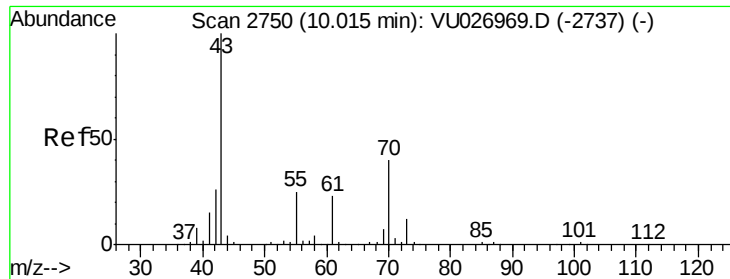
120 25.4 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 54.256 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

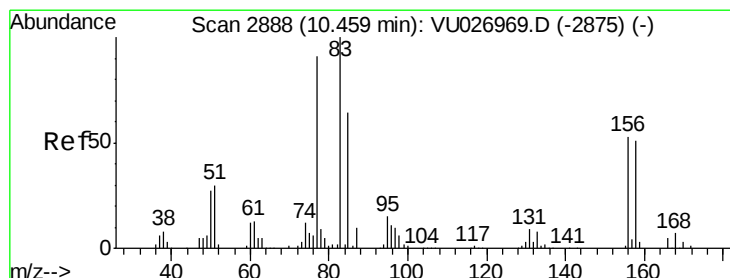
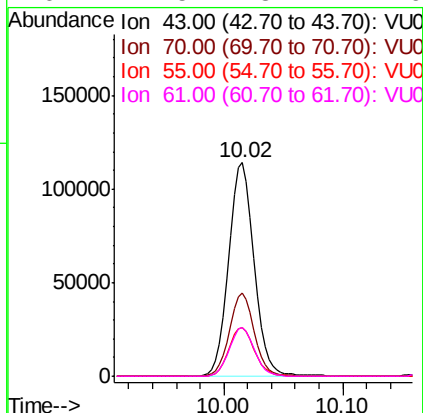
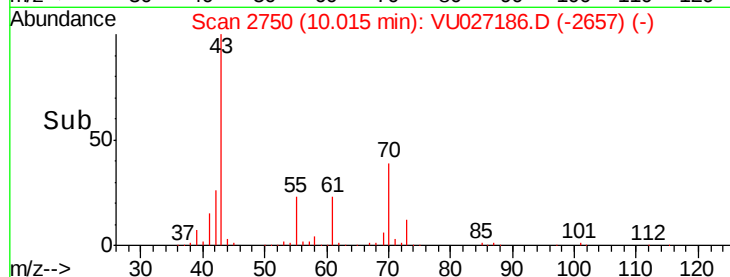
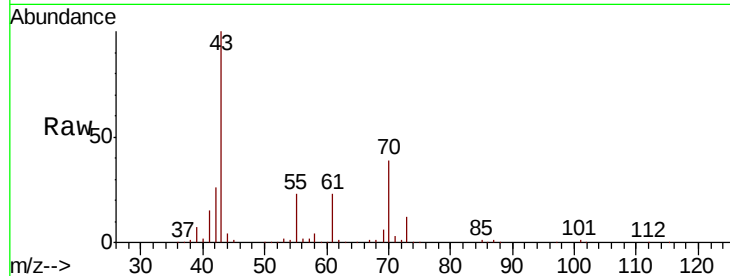
ClientSampleId :

MW-19-092018MSD

Tot Ion:	43	Resp:	169324
Ion	Ratio	Lower	Upper
43	100		
70	38.2	31.8	47.8
55	23.3	19.9	29.9
61	22.5	18.4	27.6

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#75

1,1,2,2-Tetrachloroethane

Concen: 48.521 ug/l

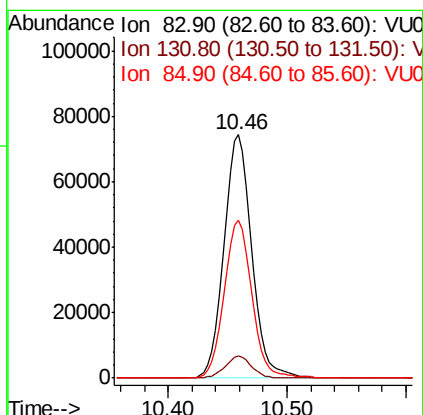
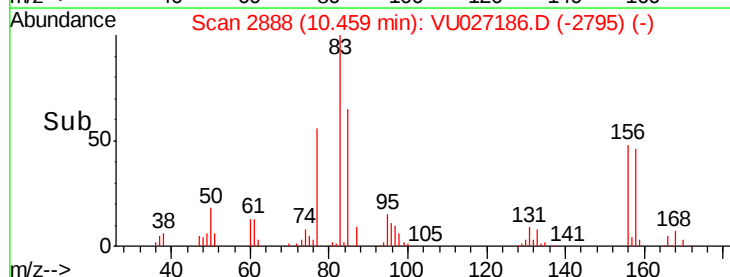
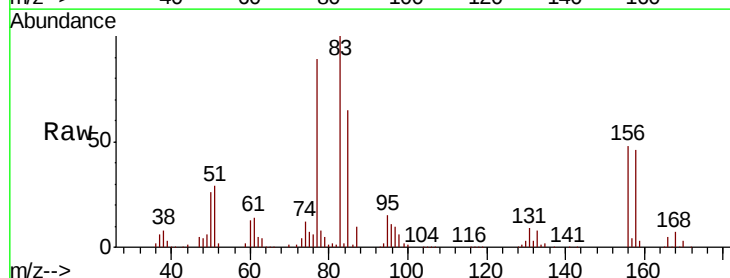
RT: 10.46 min Scan# 2888

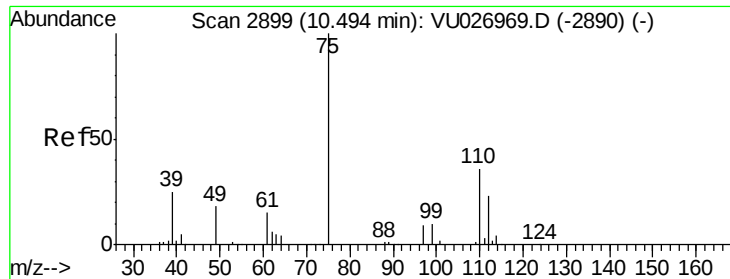
Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Tgt Ion:	83	Resp:	120279
Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	64.5	31.9	95.7





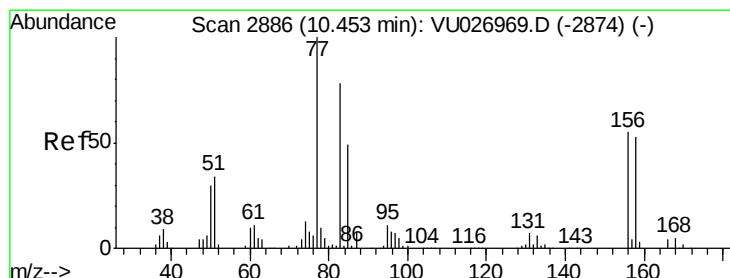
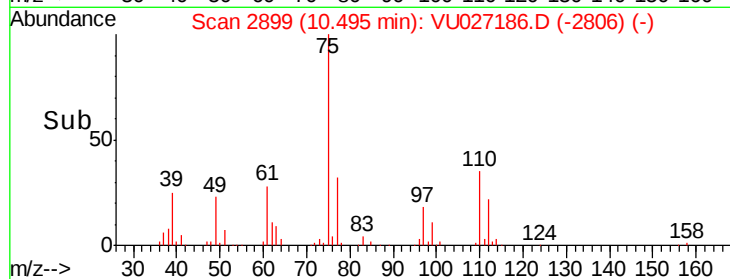
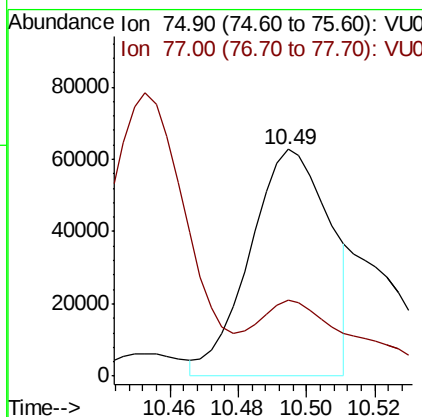
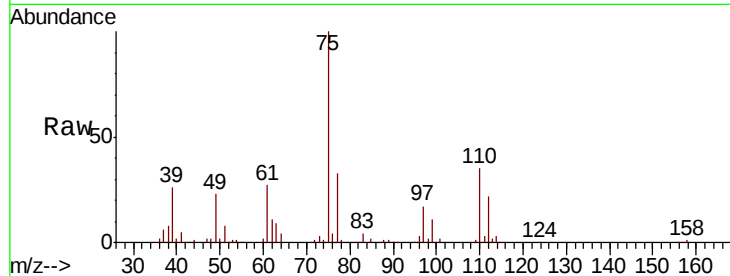
#76
 1,2,3-Trichloropropane
 Concen: 47.270 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018MSD

Tot Ion: 75 Resp: 101782
 Ion Ratio Lower Upper
 75 100
 77 40.9 20.9 62.8

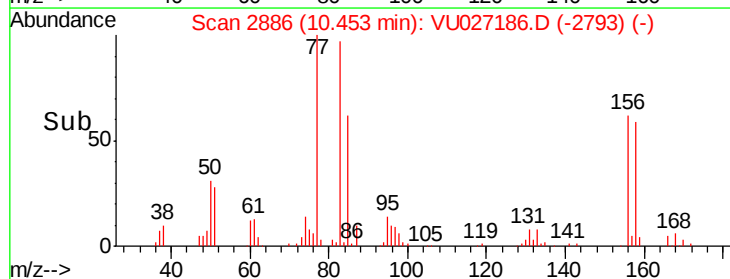
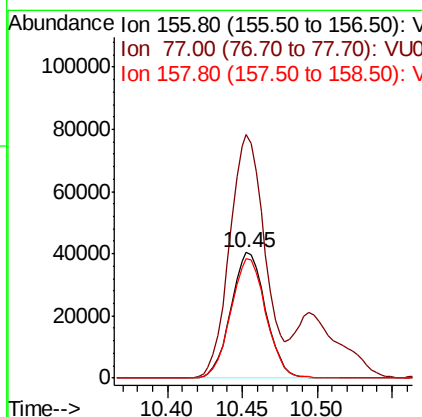
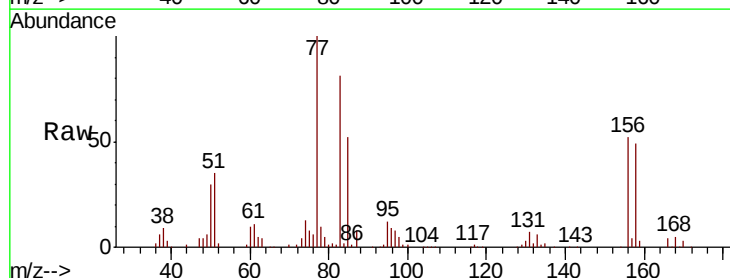
Manual Integrations
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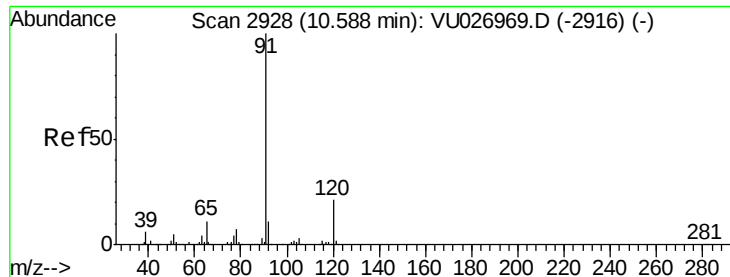
MMDadoda
 9/27/2018 3:33:21 PM



#77
 Bromobenzene
 Concen: 49.674 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Tgt Ion: 156 Resp: 65446
 Ion Ratio Lower Upper
 156 100
 77 195.1 92.3 276.9
 158 96.0 48.1 144.3





#78

n-propylbenzene

Concen: 54.302 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

MW-19-092018MSD

Tot Ion: 91 Resp: 346416

Ion Ratio Lower Upper

91 100

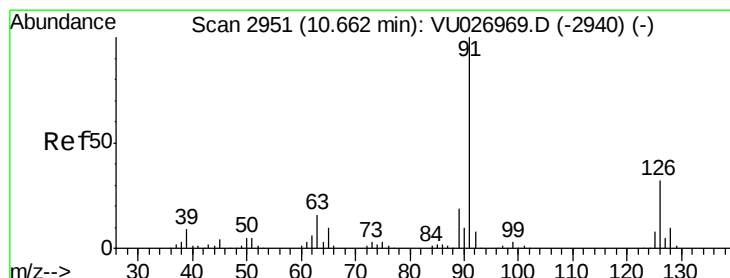
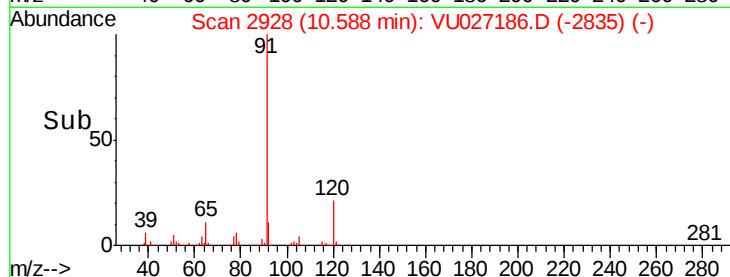
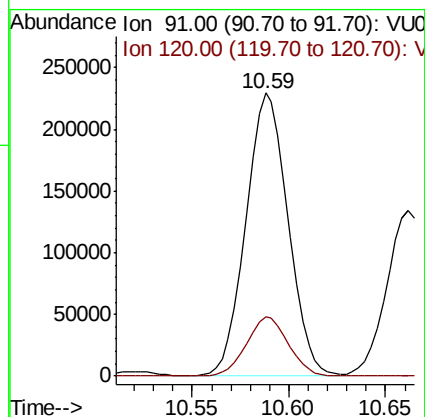
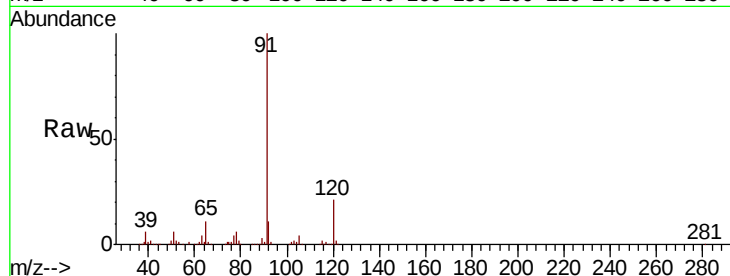
120 20.8 10.6 31.8

Manual Integrations

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#79

2-Chlorotoluene

Concen: 51.830 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027186.D

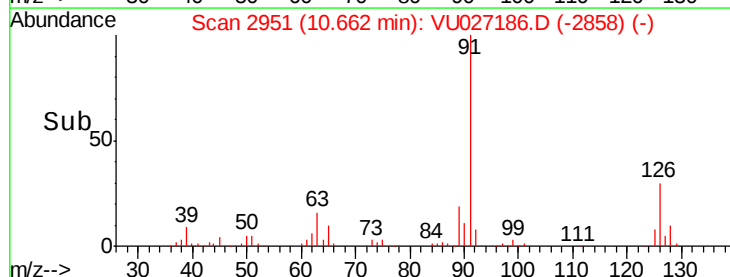
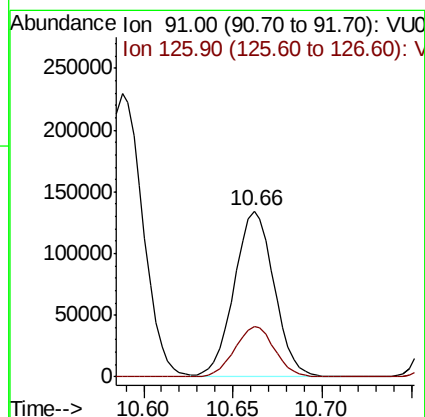
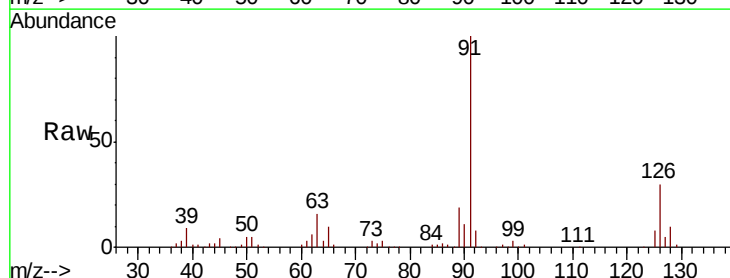
Acq: 26 Sep 2018 18:34

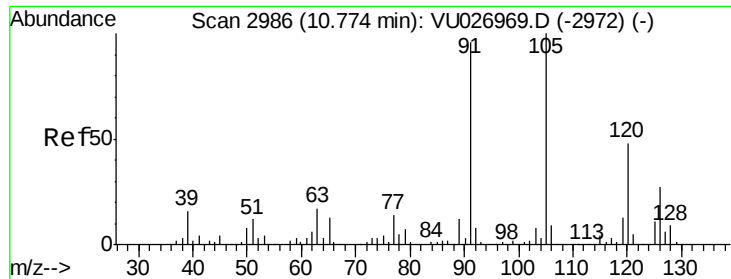
Tgt Ion: 91 Resp: 207689

Ion Ratio Lower Upper

91 100

126 30.4 15.8 47.3





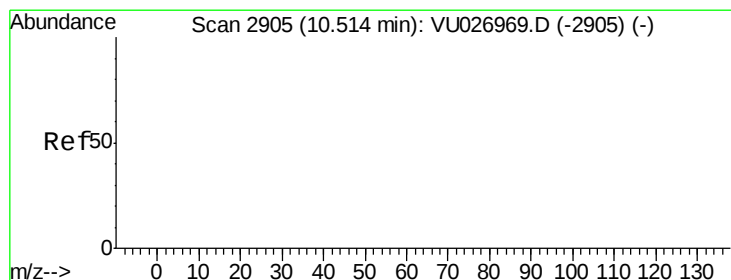
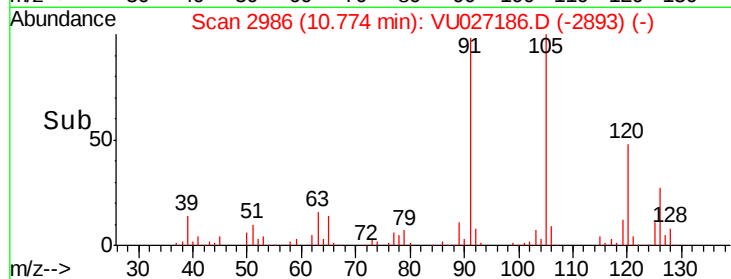
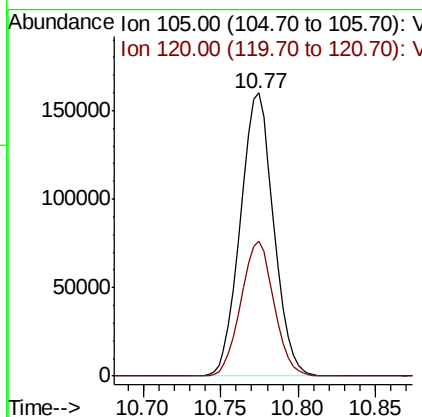
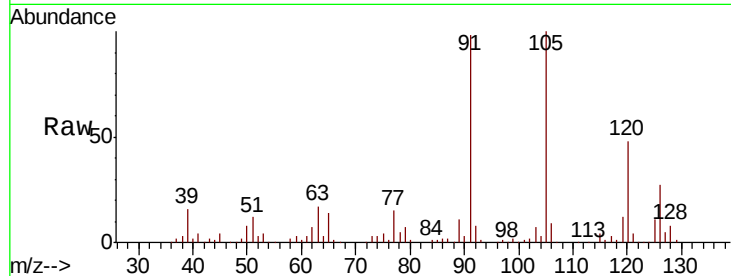
#80
 1,3,5-Trimethylbenzene
 Concen: 53.890 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018MSD

Tot Ion: 105 Resp: 239841
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.9 71.7

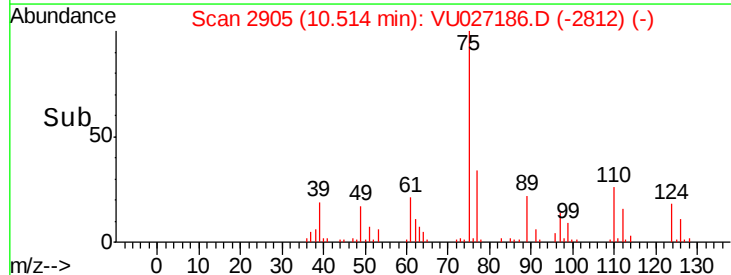
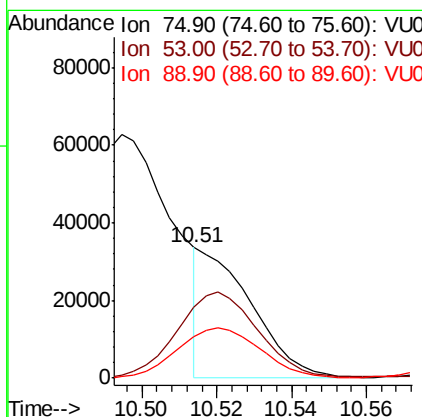
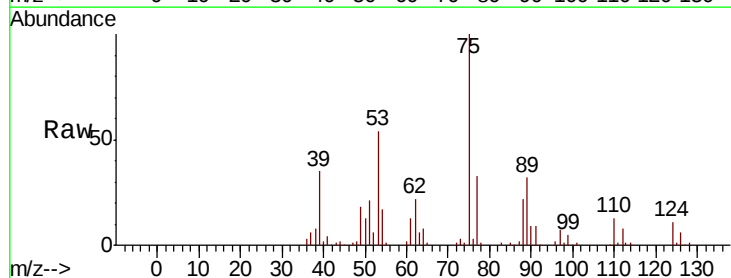
Manual Integrations
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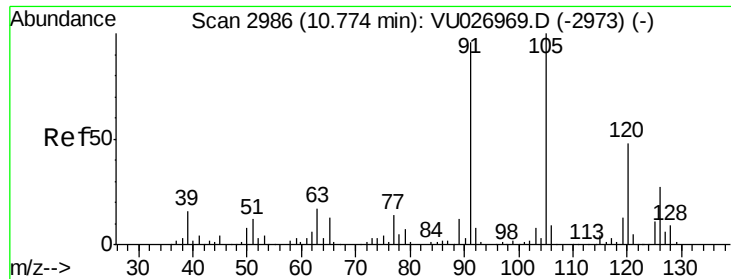
MMDadoda
 9/27/2018 3:33:21 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.837 ug/l m
 RT: 10.51 min Scan# 2905
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Tgt Ion: 75 Resp: 31514
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 53.032 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

MW-19-092018MSD

Tot Ion: 91 Resp: 238277

Ion Ratio Lower Upper

91 100

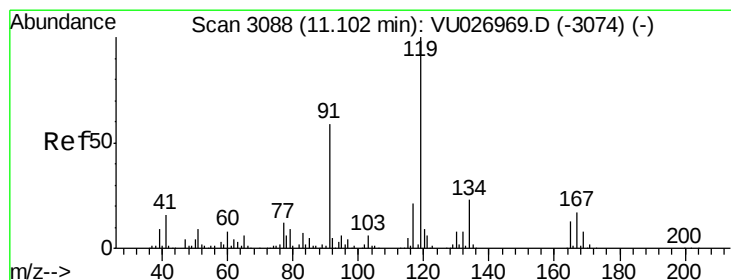
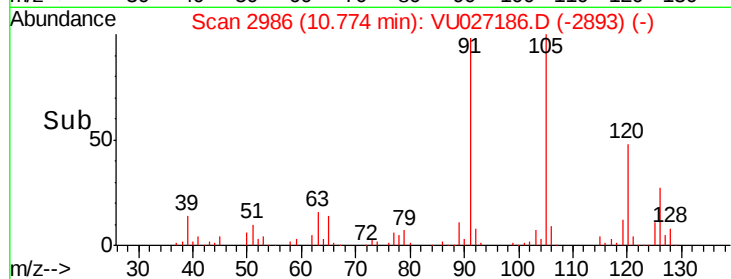
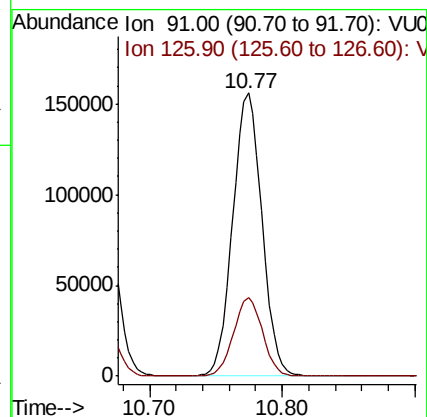
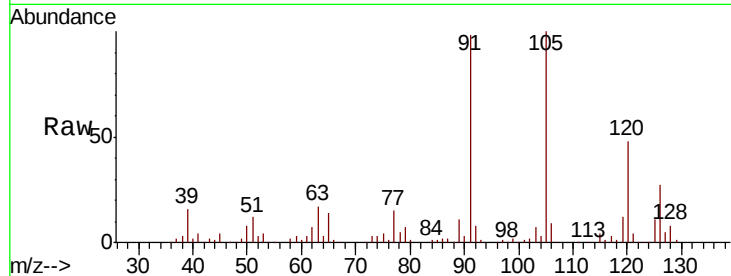
126 27.7 14.1 42.2

Manual Integrations

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#83

tert-Butylbenzene

Concen: 52.228 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

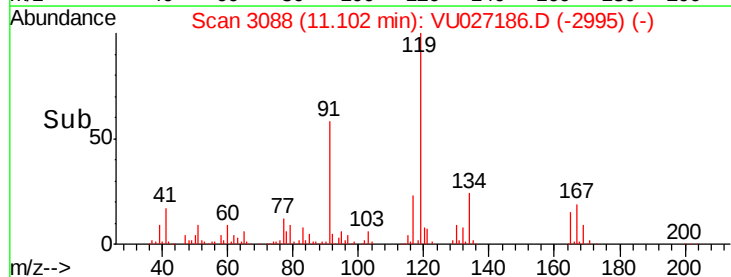
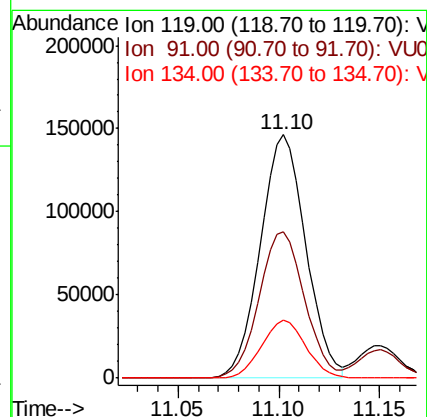
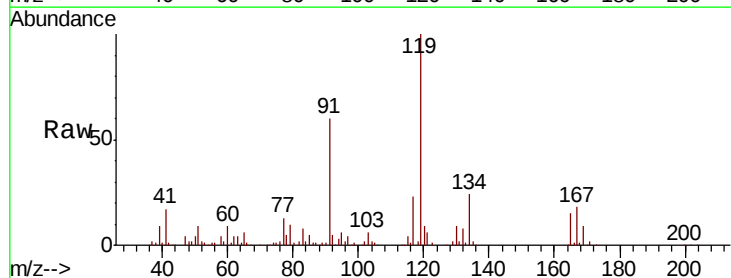
Tgt Ion: 119 Resp: 229808

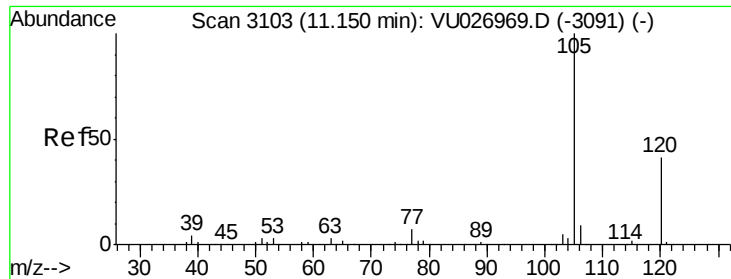
Ion Ratio Lower Upper

119 100

91 60.4 29.8 89.4

134 23.2 11.5 34.4





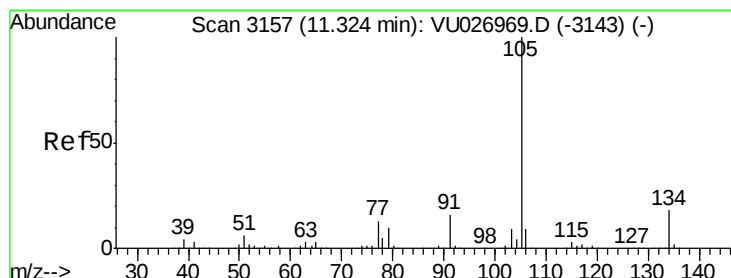
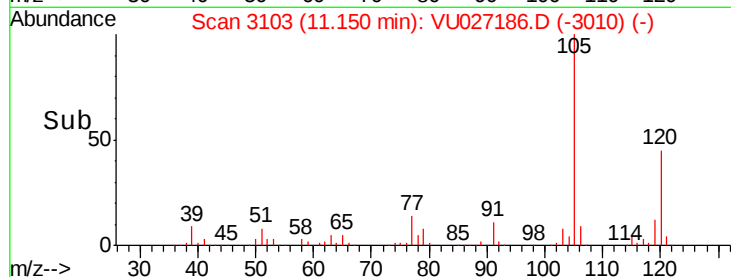
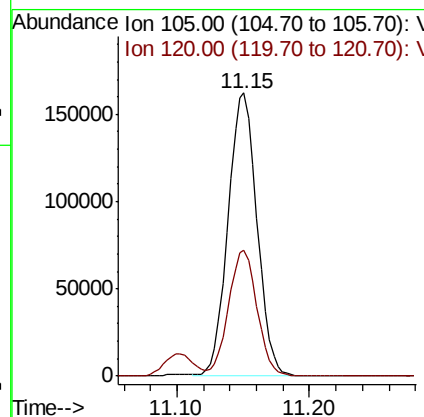
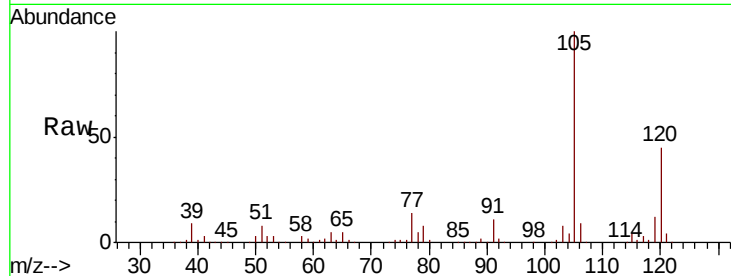
#84
 1,2,4-Trimethylbenzene
 Concen: 54.289 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018MSD

Tot Ion:105 Resp: 245890
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.4 67.2

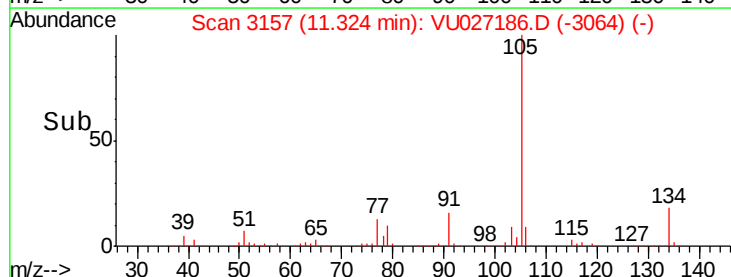
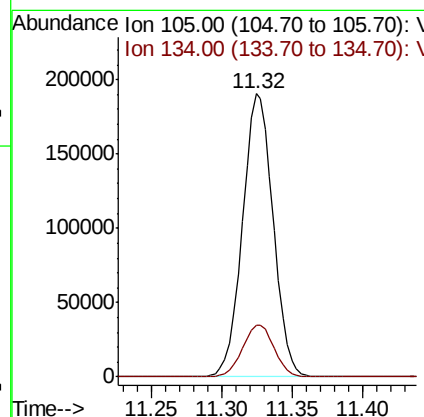
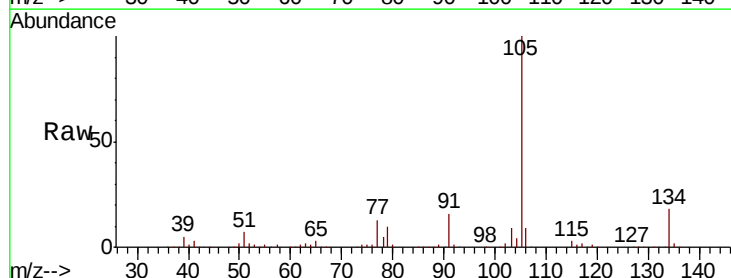
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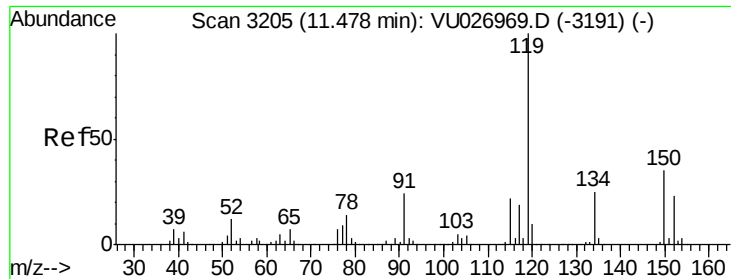
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 53.896 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Tgt Ion:105 Resp: 289489
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.4 28.2





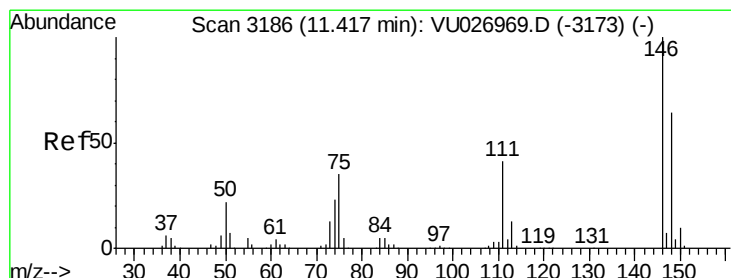
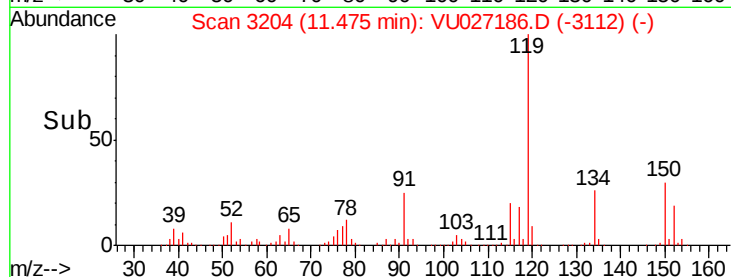
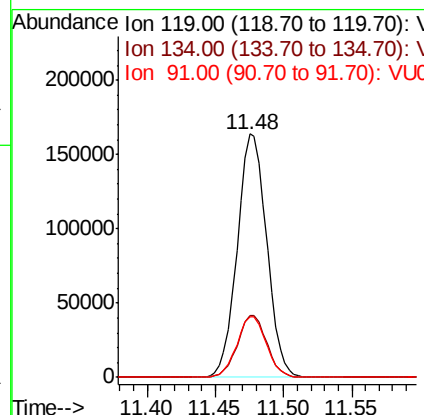
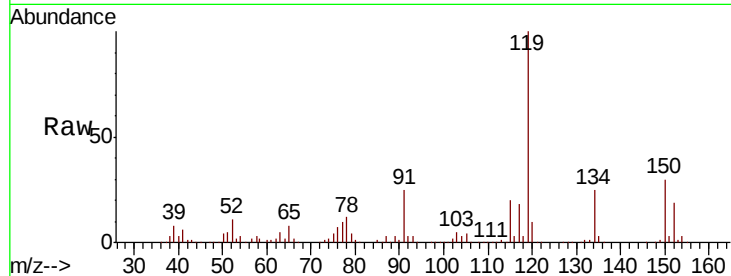
#86
p-Isopropyltoluene
Concen: 48.665 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	245144		
134	25.3	12.8	38.3	
91	25.1	12.3	36.8	

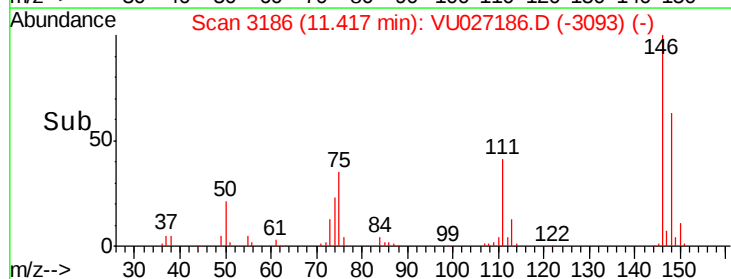
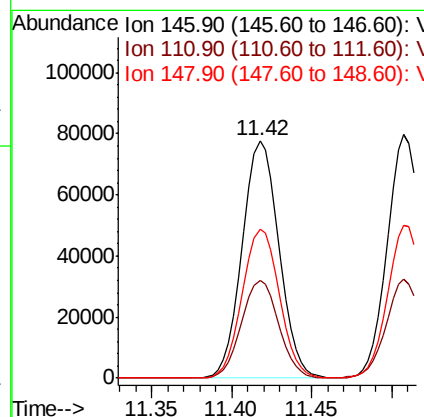
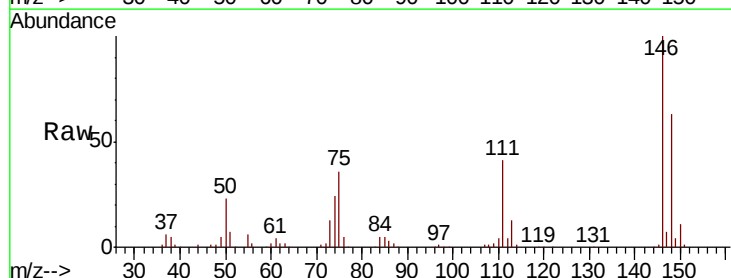
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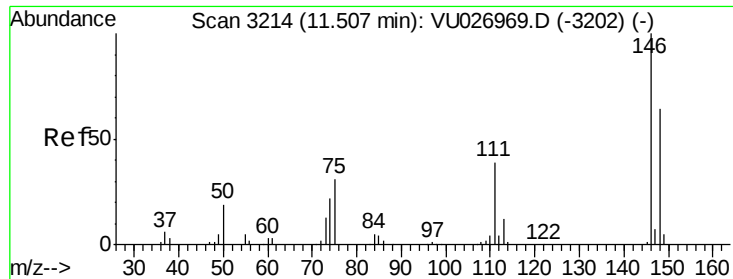
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 49.587 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121576		
111	41.9	20.8	62.2	
148	63.6	32.0	96.2	





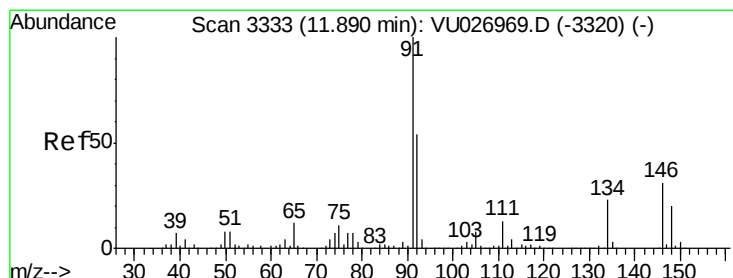
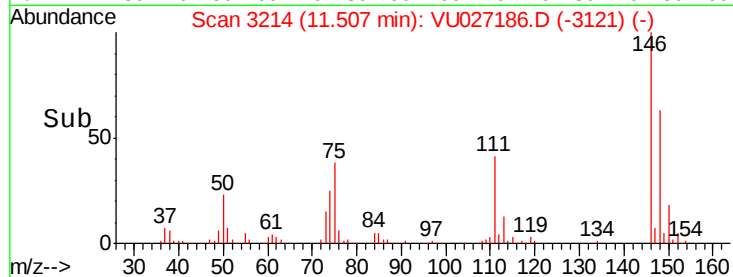
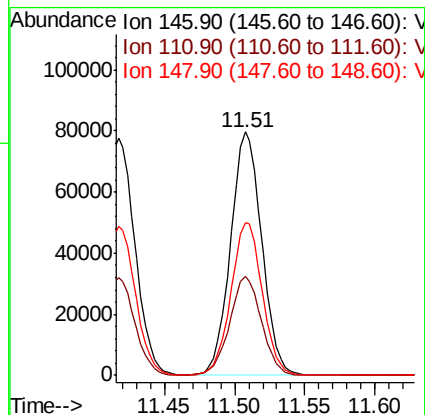
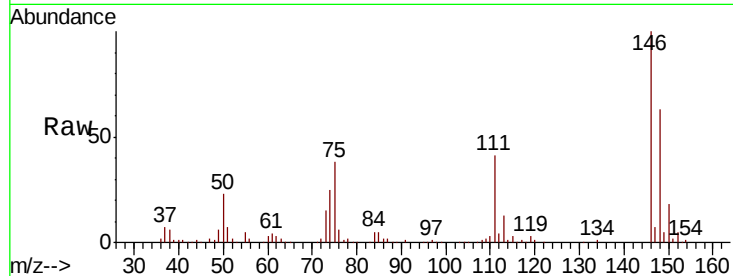
#88
 1,4-Dichlorobenzene
 Concen: 46.175 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018MSD

Tot Ion:	146	Resp:	123386
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.3	60.9
148	63.1	31.9	95.9

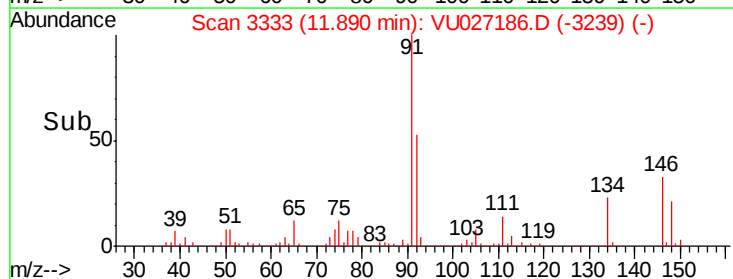
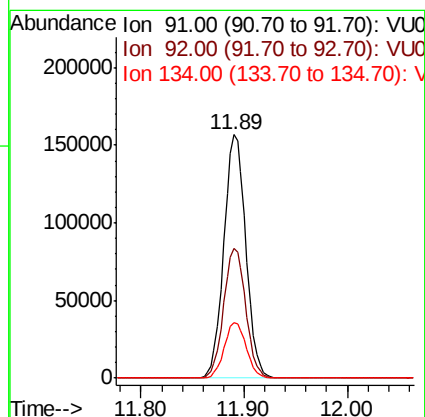
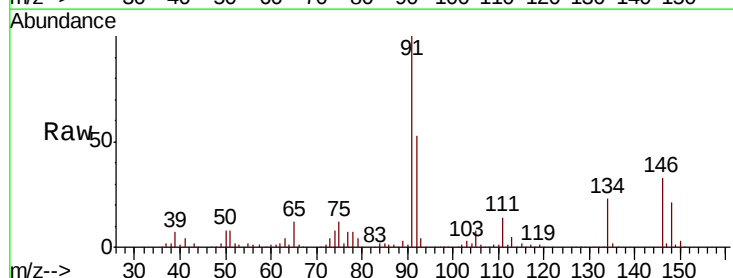
Manual Integrations
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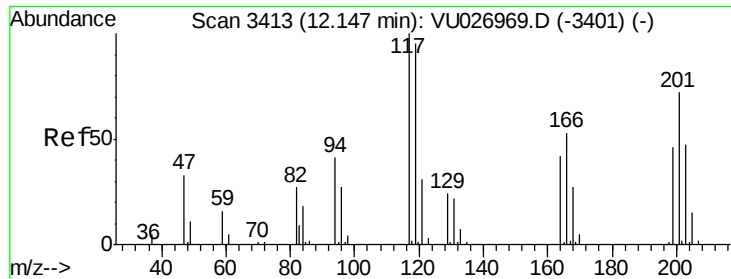
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#89
 n-Butylbenzene
 Concen: 47.639 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Tgt Ion:	91	Resp:	232169
Ion Ratio	Lower	Upper	
91	100		
92	53.7	27.1	81.2
134	22.8	11.7	35.0





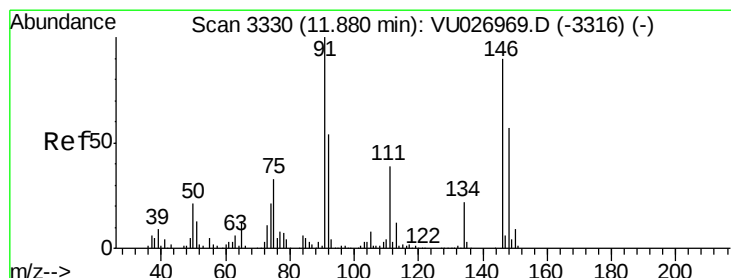
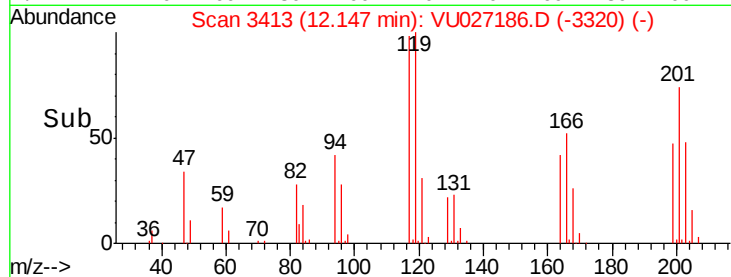
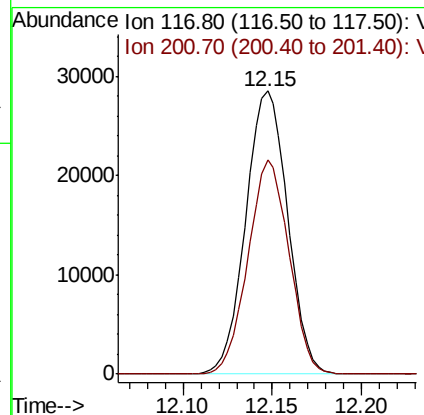
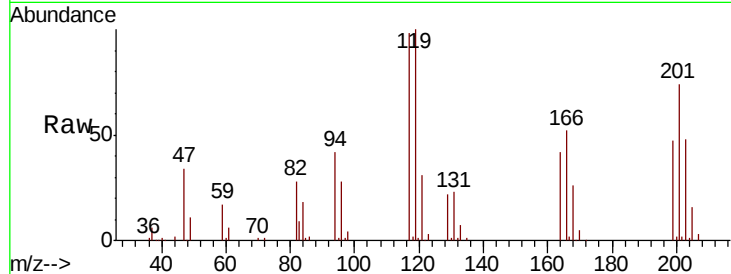
#90
Hexachloroethane
Concen: 48.128 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018MSD

Tot Ion:117 Resp: 47008
Ion Ratio Lower Upper
117 100
201 74.0 36.8 110.3

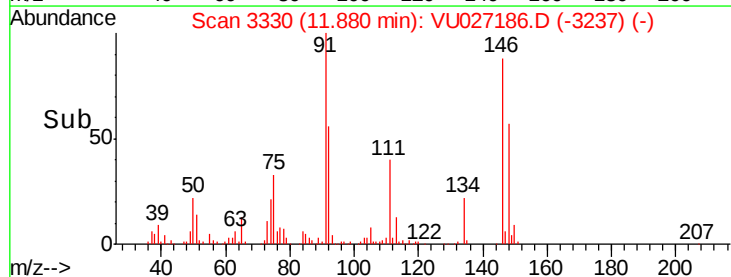
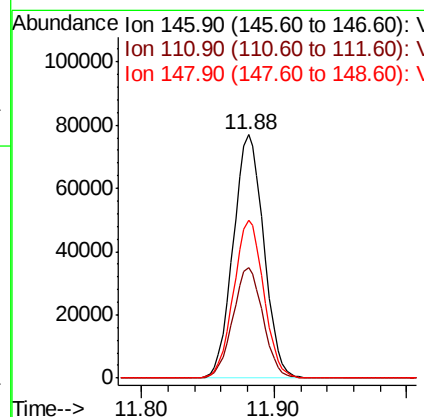
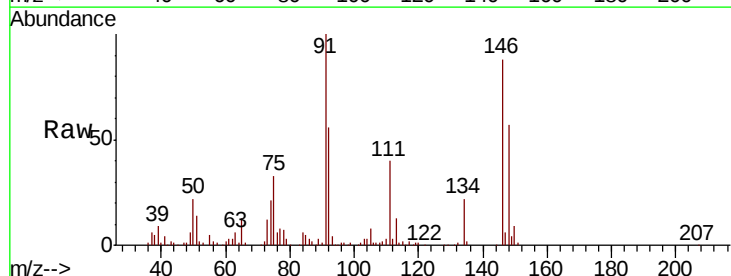
Manual Integrations
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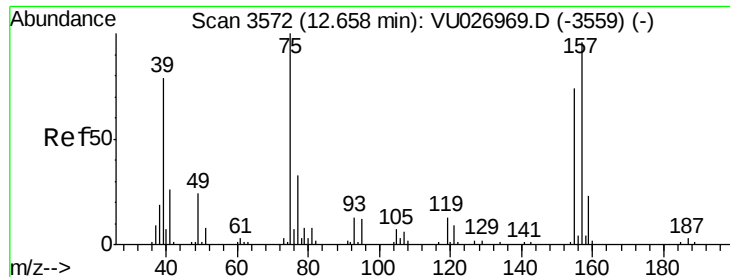
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 47.222 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU027186.D
Acq: 26 Sep 2018 18:34

Tgt Ion:146 Resp: 122982
Ion Ratio Lower Upper
146 100
111 44.6 21.8 65.3
148 63.9 31.9 95.7





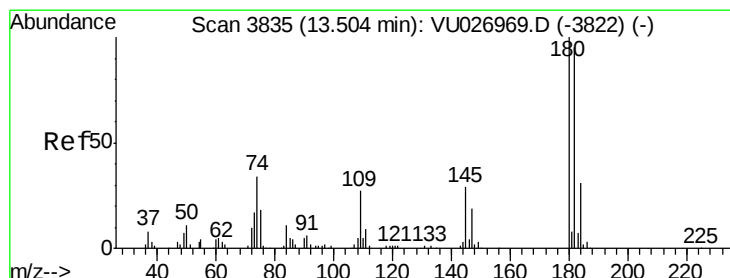
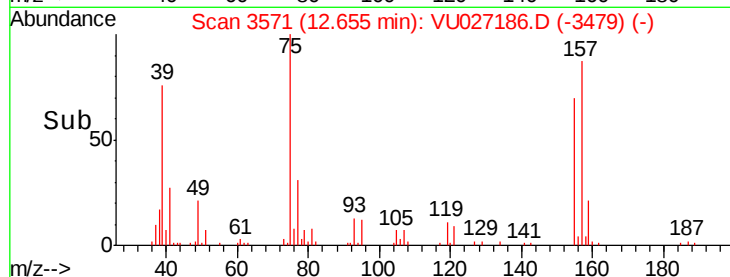
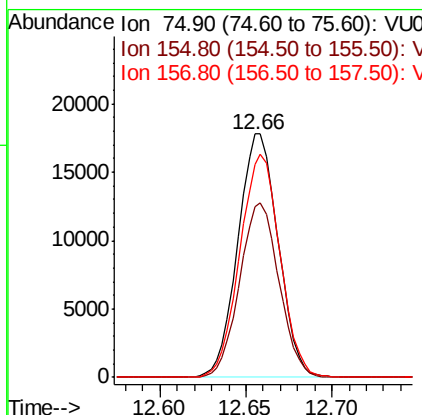
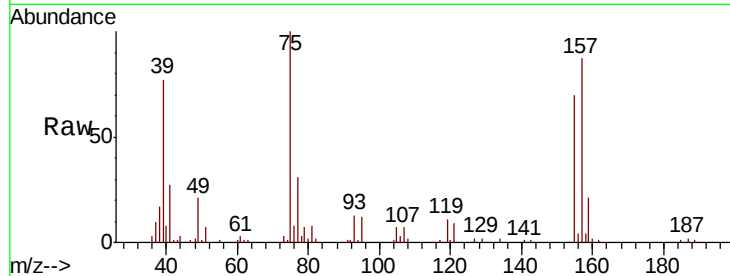
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.097 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	70.2	36.6	109.8
157	91.4	47.4	142.2

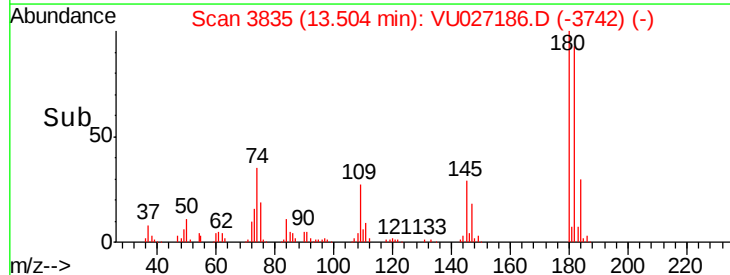
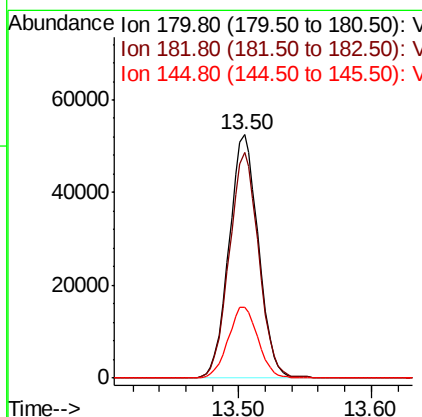
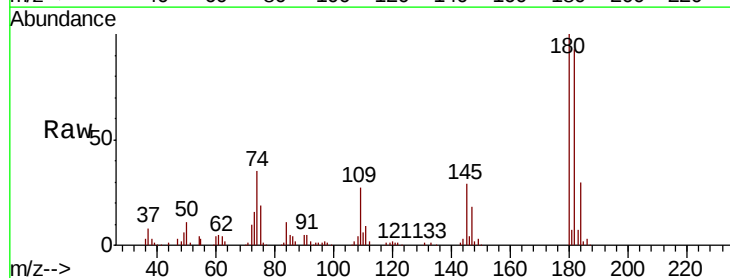
Manual Integrations
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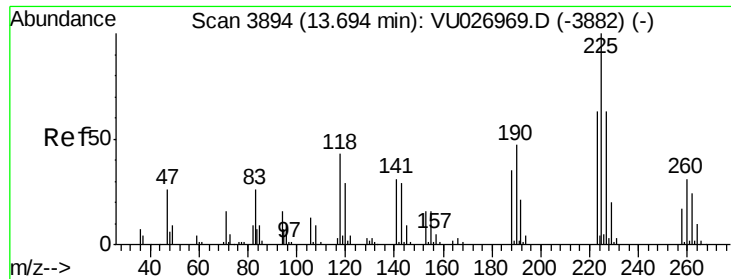
MMDadoda
 9/27/2018 3:33:21 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 53.842 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.4	142.2
145	29.5	14.9	44.5





#94

Hexachlorobutadiene

Concen: 48.211 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU027186.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_U

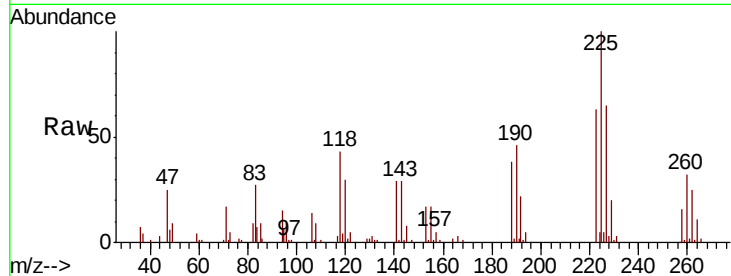
ClientSampleId :

MW-19-092018MSD

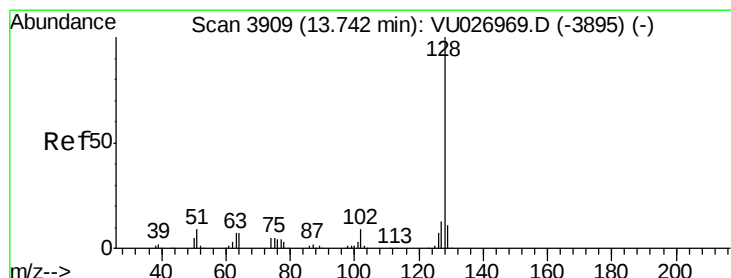
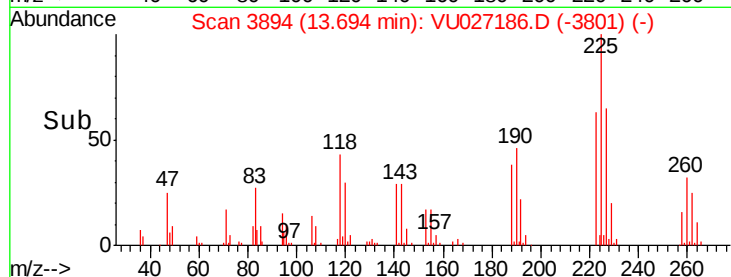
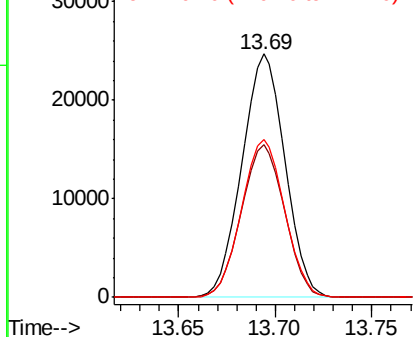
Tot Ion:	225	Resp:	38284
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.9	95.7
227	64.6	32.1	96.5

Manual Integrations
APPROVED

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9/27/2018 3:33:21 PM



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: 50.387 ug/l

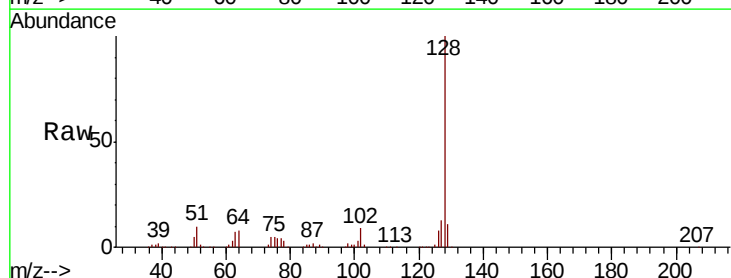
RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

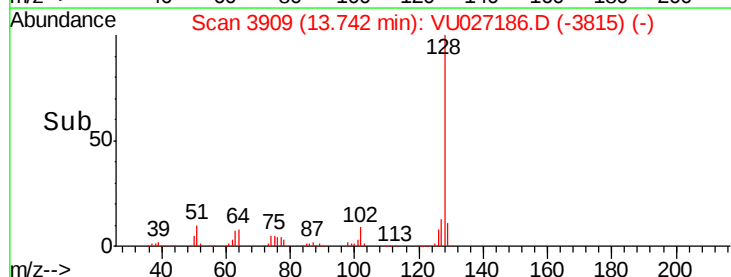
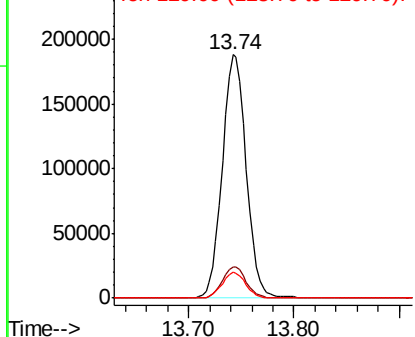
Lab File: VU027186.D

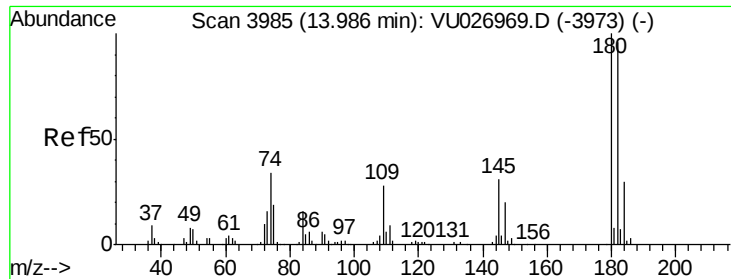
Acq: 26 Sep 2018 18:34

Tgt Ion:	128	Resp:	295745
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	10.5	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





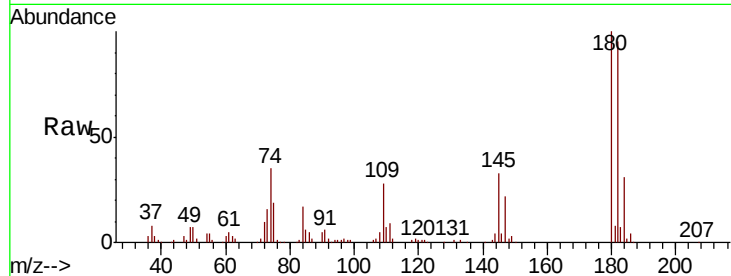
#96
 1,2,3-Trichlorobenzene
 Concen: 52.630 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU027186.D
 Acq: 26 Sep 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.5	142.5
145	33.1	15.4	46.4

Manual Integrations
 APPROVED

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 9/27/2018 3:33:21 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

