

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100418\
 Data File : VU027436.D
 Acq On : 05 Oct 2018 02:13
 Operator : MD/SY
 Sample : J5165-10MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MS

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:52:40 PM

Quant Time: Oct 05 08:53:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	123975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	220778	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	207101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	105012	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	94931	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	
35) Dibromofluoromethane	4.88	113	69802	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
50) Toluene-d8	7.57	98	266752	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
62) 4-Bromofluorobenzene	10.31	95	100237	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	86716	48.516	ug/l	98
3) Chloromethane	1.33	50	109819	45.383	ug/l	98
4) Vinyl Chloride	1.40	62	107650	47.325	ug/l #	70
5) Bromomethane	1.62	94	62240	63.234	ug/l	99
6) Chloroethane	1.70	64	73925	54.083	ug/l	100
7) Trichlorofluoromethane	1.88	101	113202	49.047	ug/l	99
8) Diethyl Ether	2.11	74	52876	49.733	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	67146	50.095	ug/l	98
10) Methyl Iodide	2.41	142	63317	53.320	ug/l	98
11) Tert butyl alcohol	2.83	59	111477	255.715	ug/l	99
12) 1,1-Dichloroethene	2.28	96	64594	49.325	ug/l	98
14) Allvl chloride	2.59	41	139881	44.982	ug/l	99
15) Acrylonitrile	2.94	53	284236	250.507	ug/l	99
16) Acetone	2.32	43	341141	278.944	ug/l	98
17) Carbon Disulfide	2.48	76	217127	45.972	ug/l	100
18) Methyl Acetate	2.62	43	139554	50.021	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	264175	50.346	ug/l	98
20) Methylene Chloride	2.70	84	81376	47.769	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	70861	48.197	ug/l	99
22) Diisopropyl ether	3.58	45	310844	49.180	ug/l	99
23) Vinyl Acetate	3.53	43	1257589	227.832	ug/l	99
24) 1,1-Dichloroethane	3.45	63	160015	49.246	ug/l	99
25) 2-Butanone	4.26	43	431908	258.982	ug/l	98
26) 2,2-Dichloropropane	4.23	77	95733	35.856	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	83255	49.517	ug/l	96
28) Bromochloromethane	4.55	49	80708	51.484	ug/l	96
29) Tetrahydrofuran	4.64	42	267158	254.190	ug/l	97
30) Chloroform	4.67	83	144439	50.033	ug/l	99
31) Cyclohexane	5.00	56	147449	44.383	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	119512	49.155	ug/l	99
36) 1,1-Dichloropropene	5.14	75	110164	45.956	ug/l	99
37) Ethyl Acetate	4.38	43	144324	46.585	ug/l	99
38) Carbon Tetrachloride	5.14	117	99994	46.179	ug/l	97
39) Methylcyclohexane	6.42	83	129022	46.044	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	5.39	78	327843	46.951	ug/l	99
41) Methacrylonitrile	4.54	41	83859	47.890	ug/l	99
42) 1,2-Dichloroethane	5.41	62	120326	46.424	ug/l	99
43) Isopropyl Acetate	5.55	43	224704	46.700	ug/l	99
44) Trichloroethene	6.19	130	74640	47.938	ug/l	99
45) 1,2-Dichloropropane	6.43	63	96093	47.712	ug/l	98
46) Dibromomethane	6.56	93	55999	49.230	ug/l	99
47) Bromodichloromethane	6.76	83	112323	47.589	ug/l	99
48) Methyl methacrylate	6.62	41	115521	48.279	ug/l	98
49) 1,4-Dioxane	6.61	88	40045	972.687	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	785898	251.353	ug/l	99
52) Toluene	7.64	92	197089	47.687	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	128705	46.508	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	132002	44.370	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	83025	50.667	ug/l	98
56) Ethyl methacrylate	8.02	69	138788	44.490	ug/l	97
57) 1,3-Dichloropropane	8.24	76	150651	47.359	ug/l	100
59) 2-Hexanone	8.36	43	605133	249.495	ug/l	98
60) Dibromochloromethane	8.48	129	80986	49.277	ug/l	99
61) 1,2-Dibromoethane	8.59	107	84721	48.627	ug/l	99
64) Tetrachloroethene	8.23	164	59315	46.008	ug/l	98
65) Chlorobenzene	9.12	112	209706	48.105	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	72523	48.191	ug/l	100
67) Ethyl Benzene	9.25	91	376011	48.684	ug/l	100
68) m/p-Xylenes	9.38	106	277222	98.127	ug/l	100
69) o-Xylene	9.78	106	147892	55.087	ug/l	98
70) Styrene	9.79	104	216369	43.431	ug/l	99
71) Bromoform	9.96	173	59899	49.471	ug/l #	100
73) Isopropylbenzene	10.17	105	624789	81.919	ug/l	99
74) N-amyl acetate	10.02	43	205992	47.178	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	146197	48.818	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	126291m	46.394	ug/l	
77) Bromobenzene	10.45	156	83181	46.928	ug/l	98
78) n-propylbenzene	10.59	91	993165	108.369	ug/l	100
79) 2-Chlorotoluene	10.66	91	247894	44.799	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	546666	88.038	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	45845m	44.076	ug/l	
82) 4-Chlorotoluene	10.77	91	324720	51.711	ug/l	98
83) tert-Butylbenzene	11.10	119	345421	57.543	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	5615613	885.340	ug/l	99
85) sec-Butylbenzene	11.32	105	616052	81.451	ug/l	99
86) p-Isopropyltoluene	11.48	119	577471	89.173	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	156637	46.669	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	158756	46.288	ug/l	100
89) n-Butylbenzene	11.89	91	517313	74.292	ug/l #	81
90) Hexachloroethane	12.15	117	92443	75.732	ug/l	64
91) 1,2-Dichlorobenzene	11.88	146	157168	48.107	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	34852	52.511	ug/l	98
93) 1,2,4-Trichlorobenzene	13.50	180	121439	57.446	ug/l	98
94) Hexachlorobutadiene	13.69	225	53521	50.111	ug/l	98

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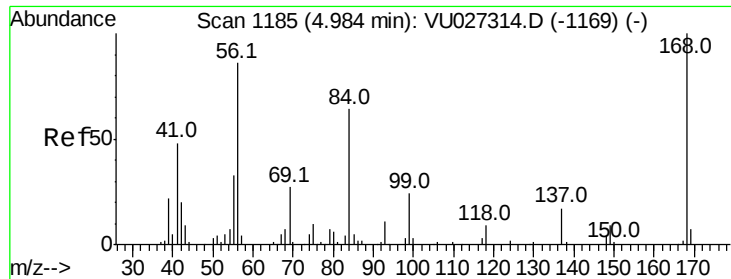
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	13.74	128	449380	56.383	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	119251	54.147	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: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MS

Tot Ion:168 Resp: 123975

Ion Ratio Lower Upper

168 100

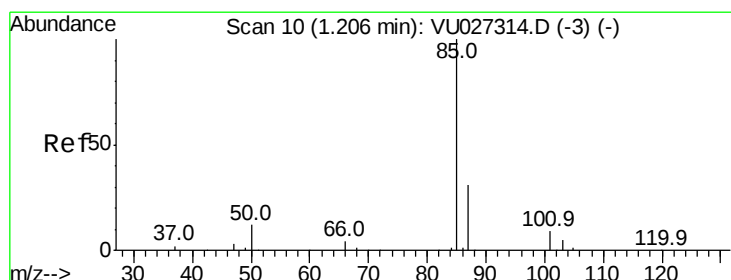
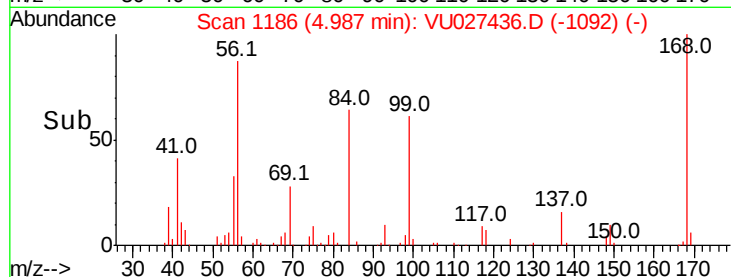
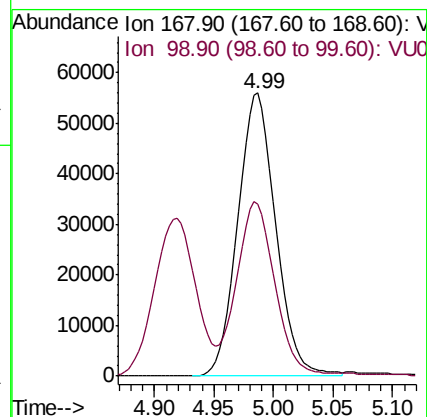
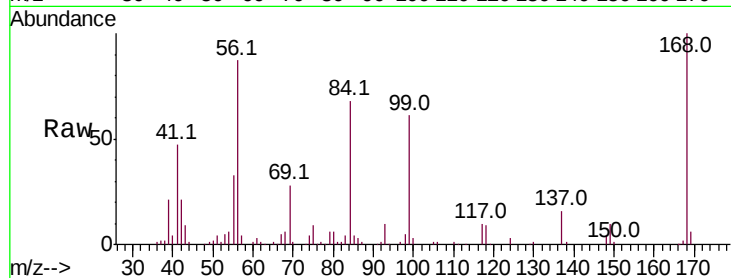
99 59.9 50.8 76.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 48.516 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027436.D

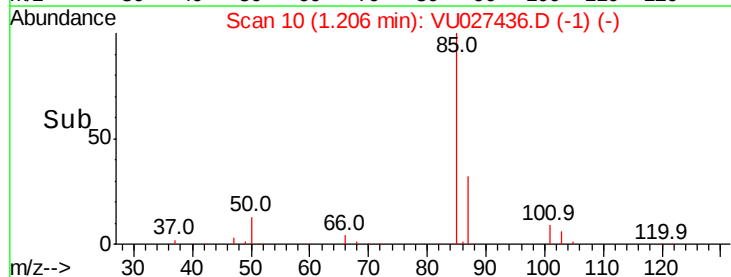
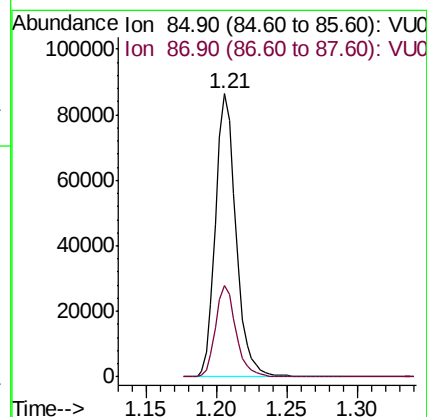
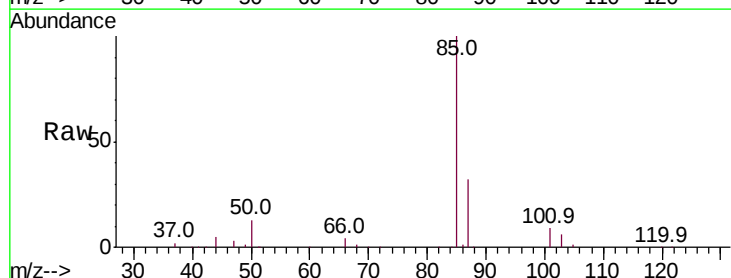
Acq: 05 Oct 2018 02:13

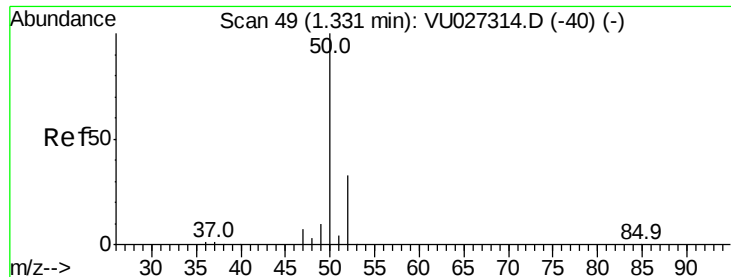
Tgt Ion: 85 Resp: 86716

Ion Ratio Lower Upper

85 100

87 32.3 15.7 47.1





#3

Chloromethane

Concen: 45.383 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

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ClientSampleId :

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Tot Ion: 50 Resp: 109819

Ion Ratio Lower Upper

50 100

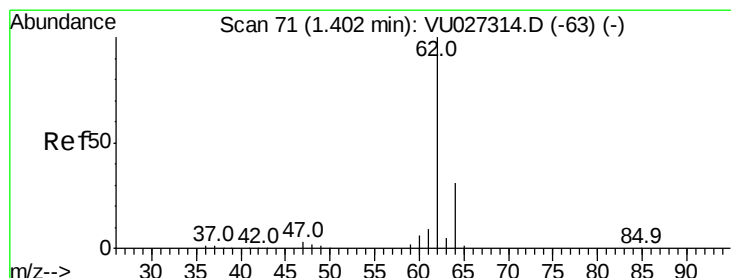
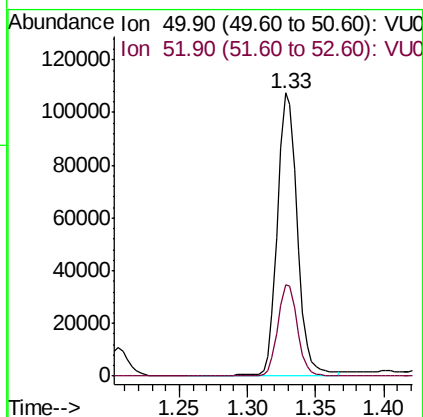
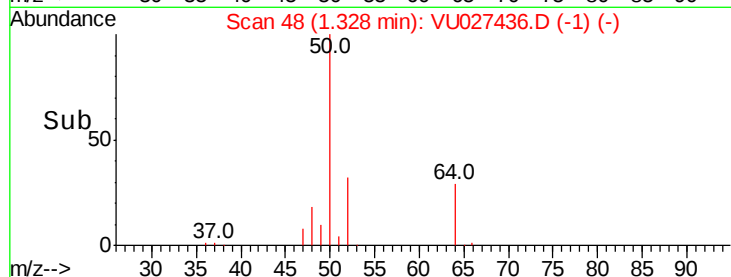
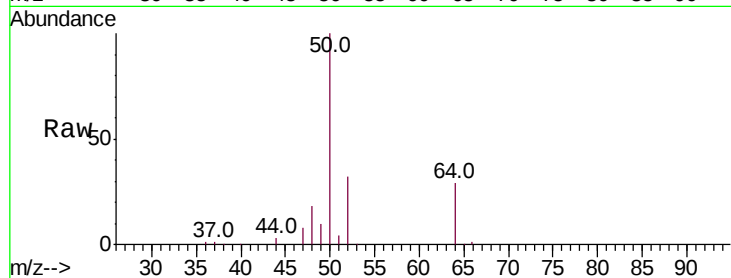
52 32.2 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.325 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027436.D

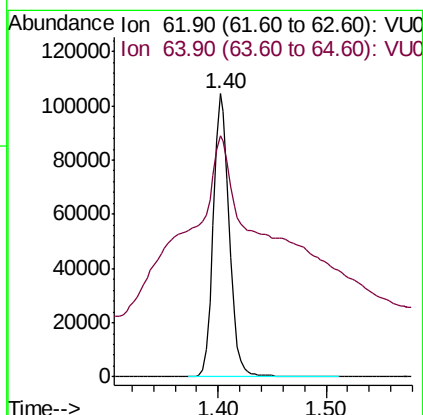
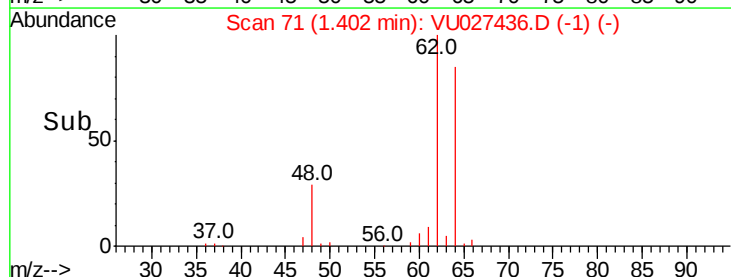
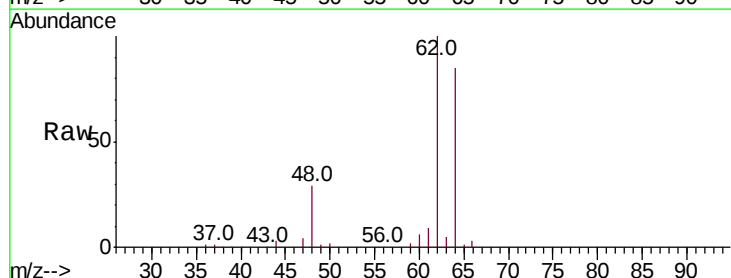
Acq: 05 Oct 2018 02:13

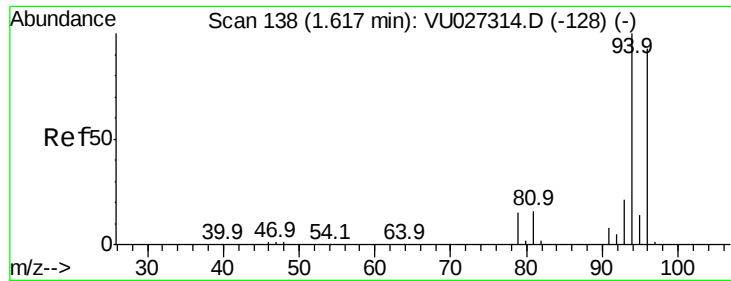
Tgt Ion: 62 Resp: 107650

Ion Ratio Lower Upper

62 100

64 47.7 24.9 37.3#





#5

Bromomethane

Concen: 63.234 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

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ClientSampleId :

EP-MW-H-092718MS

Tot Ion: 94 Resp: 62240

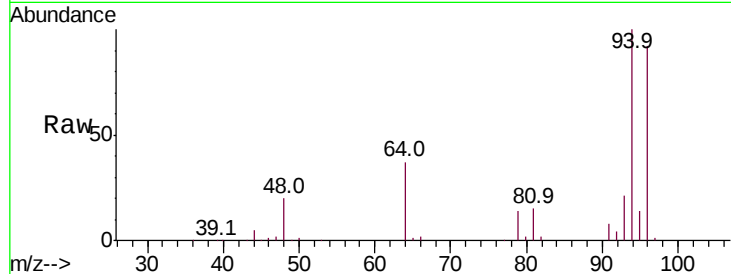
Ion Ratio Lower Upper

94 100

96 92.4 74.6 111.8

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VU027314.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027314.D (-128) (-)

1.62

50000

40000

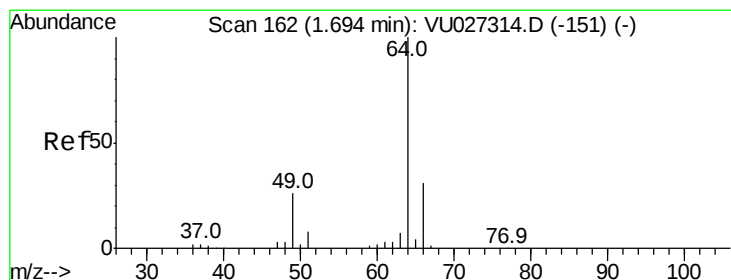
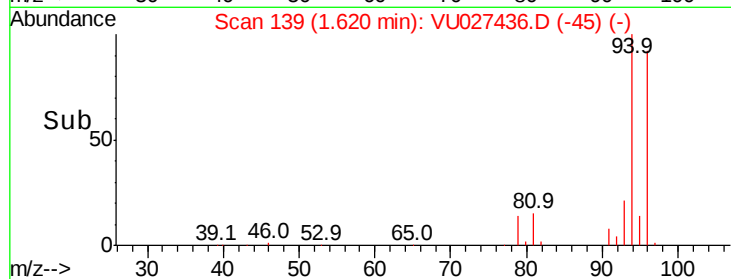
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 54.083 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027436.D

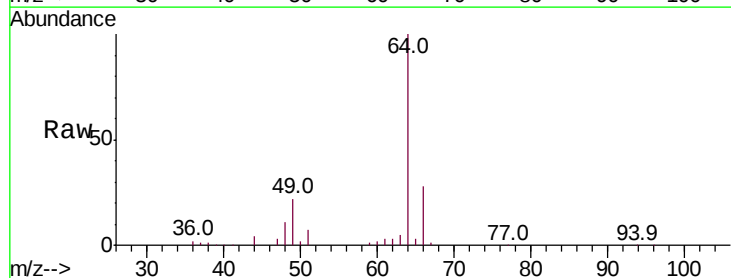
Acq: 05 Oct 2018 02:13

Tgt Ion: 64 Resp: 73925

Ion Ratio Lower Upper

64 100

66 30.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027314.D (-151) (-)

1.70

60000

50000

40000

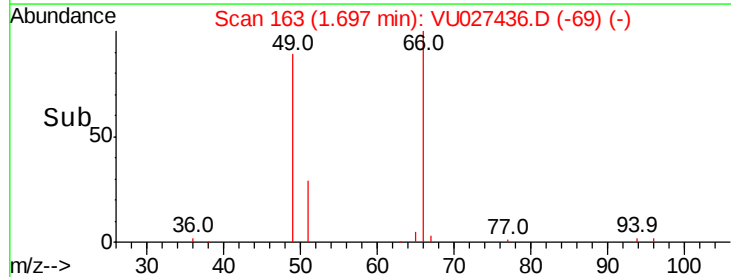
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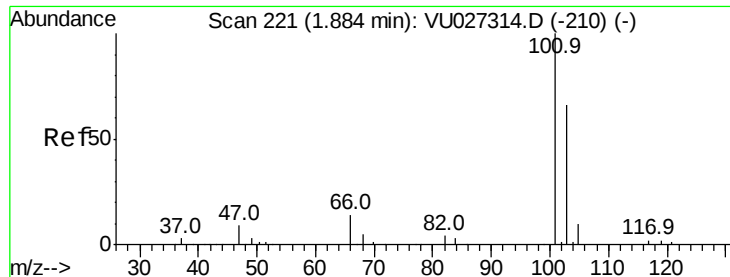
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Time-->





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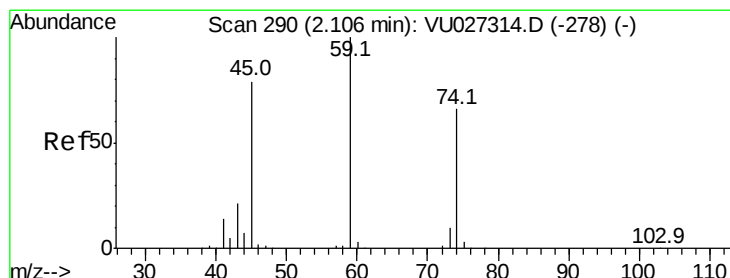
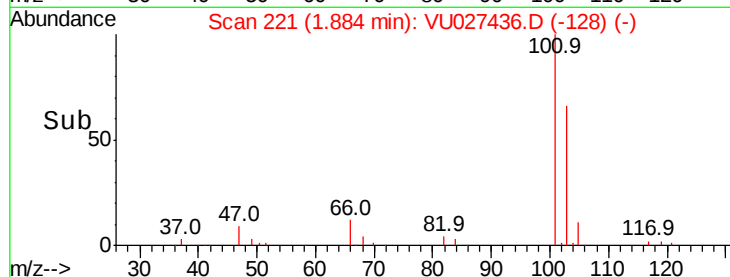
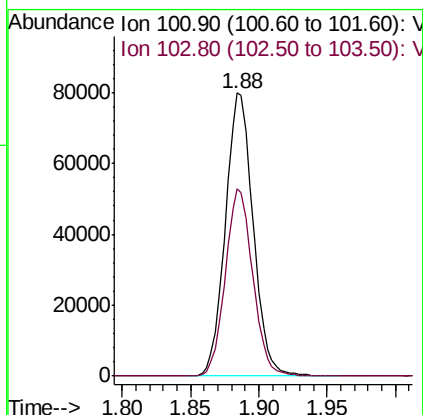
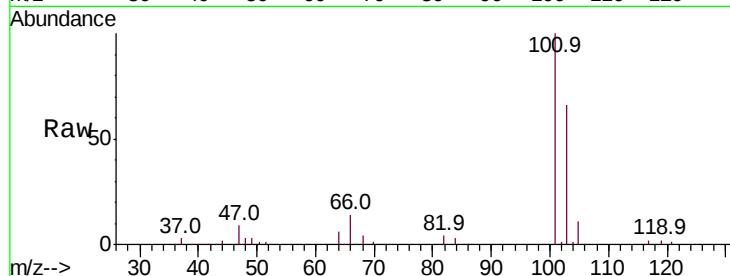
Trichlorofluoromethane
Concen: 49.047 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027436.D
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EP-MW-H-092718MS

Tot Ion:101 Resp: 113202
Ion Ratio Lower Upper
101 100
103 66.3 52.6 78.8

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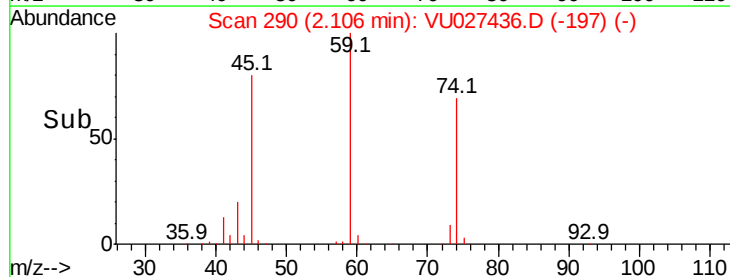
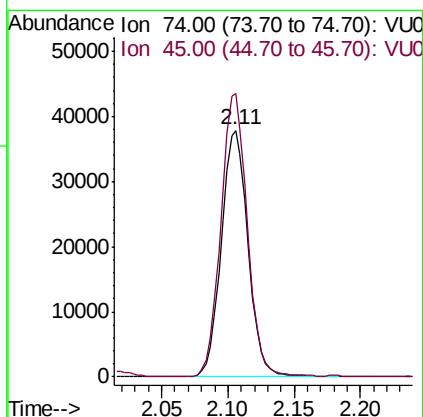
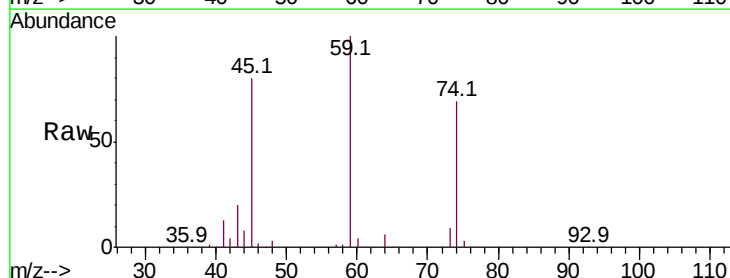
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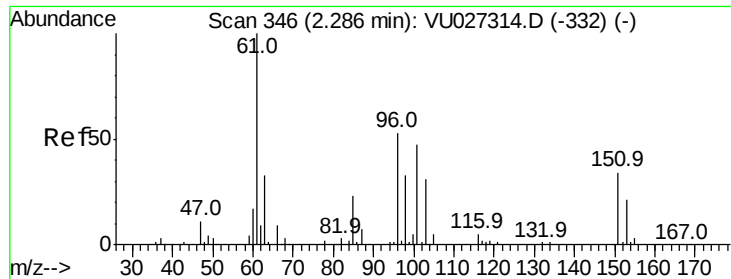


#8

Diethyl Ether
Concen: 49.733 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion: 74 Resp: 52876
Ion Ratio Lower Upper
74 100
45 114.3 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.095 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

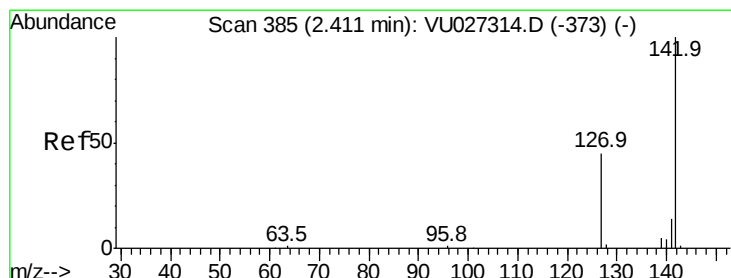
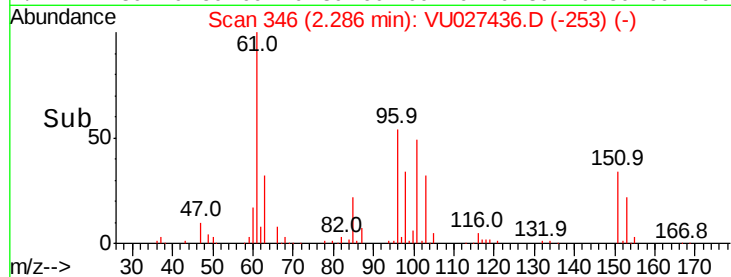
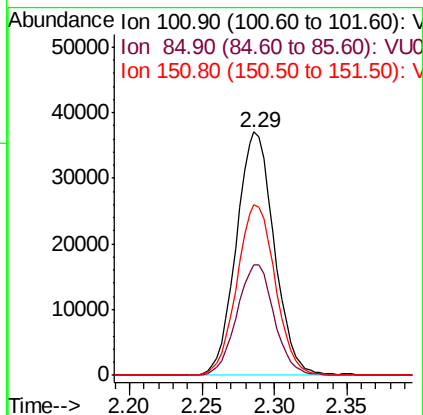
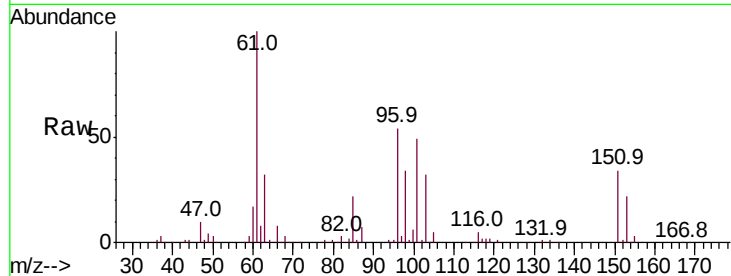
ClientSampleId :

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Tot Ion:	101	Resp:	67146
Ion Ratio	Lower	Upper	
101	100		
85	44.9	37.5	56.3
151	71.0	55.6	83.4

Manual Integrations
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#10

Methyl Iodide

Concen: 53.320 ug/l

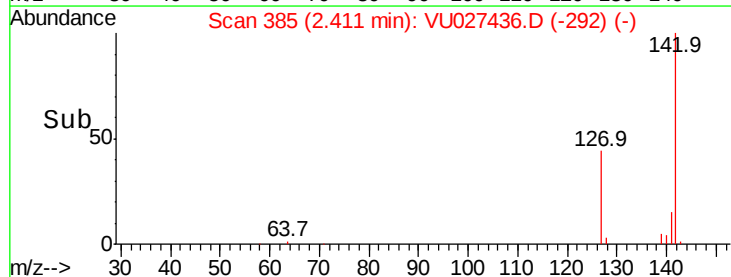
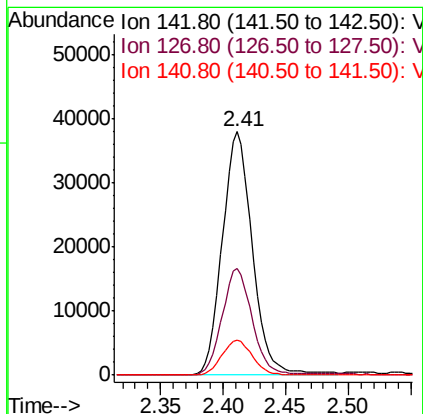
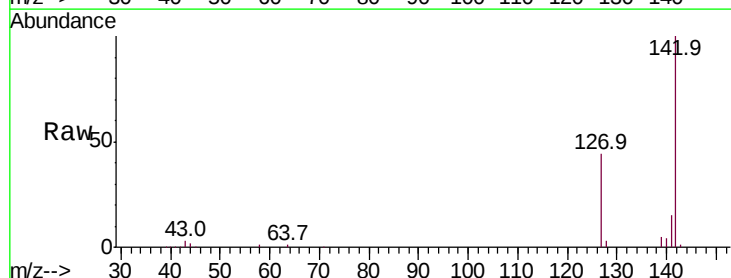
RT: 2.41 min Scan# 385

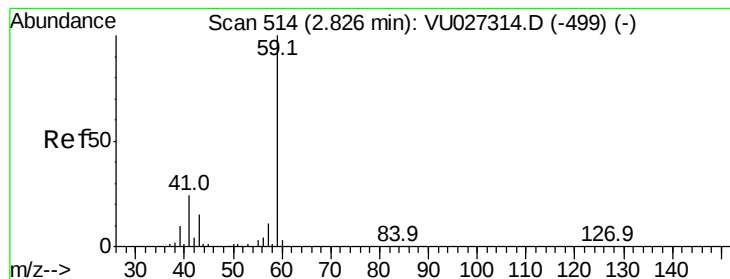
Delta R.T. 0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Tgt Ion:	142	Resp:	63317
Ion Ratio	Lower	Upper	
142	100		
127	43.6	36.3	54.5
141	14.4	11.6	17.4





#11

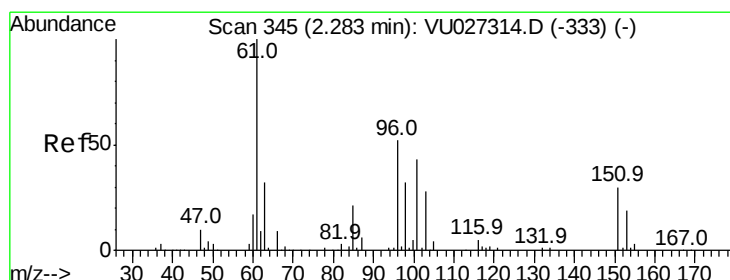
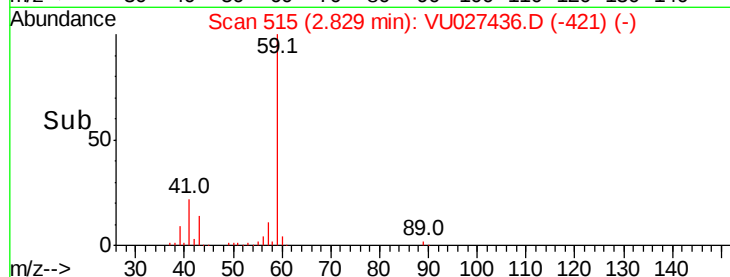
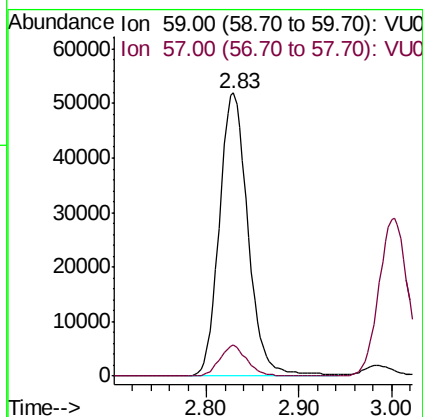
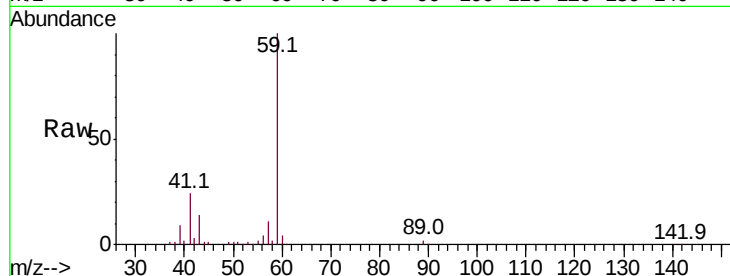
Tert butyl alcohol
Concen: 255.715 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion	59	Resp	111477
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.4	12.6

Manual Integrations
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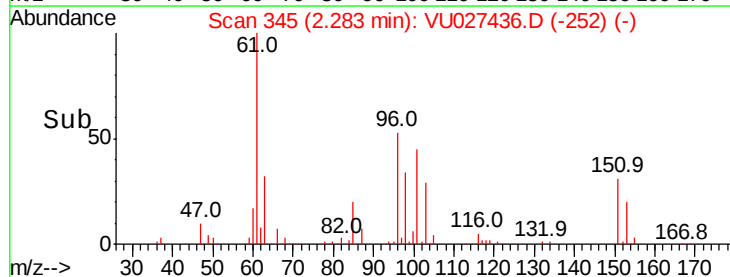
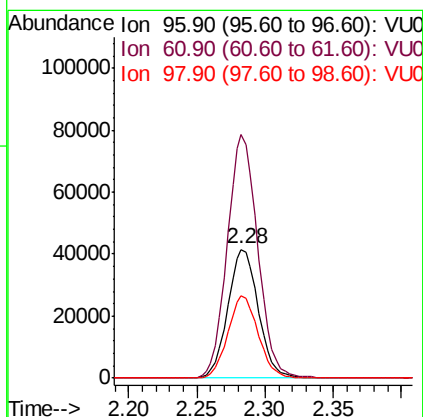
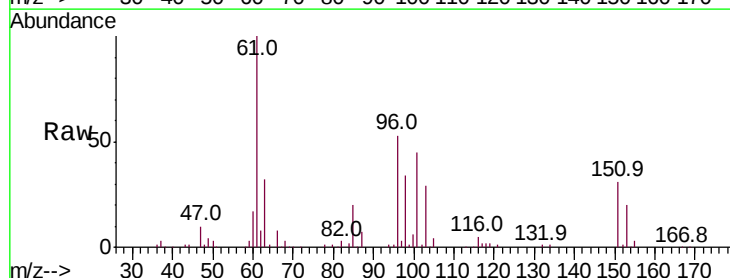
MMDadoda
10/8/2018 1:52:40 PM

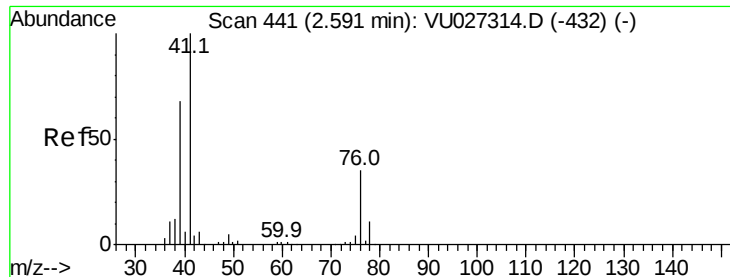


#12

1,1-Dichloroethene
Concen: 49.325 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion	96	Resp	64594
Ion	Ratio	Lower	Upper
96	100		
61	188.7	153.0	229.6
98	63.8	49.3	73.9





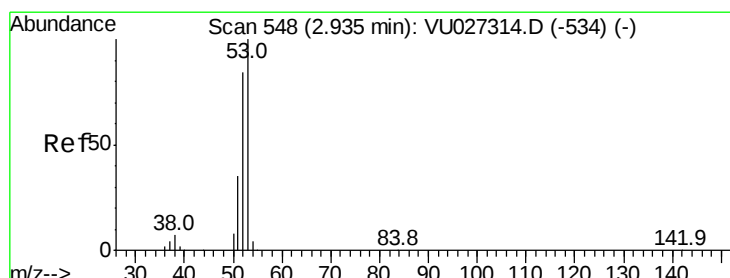
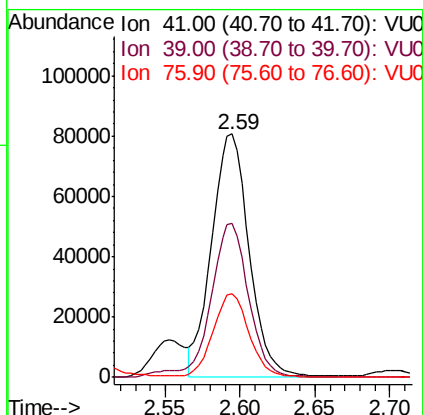
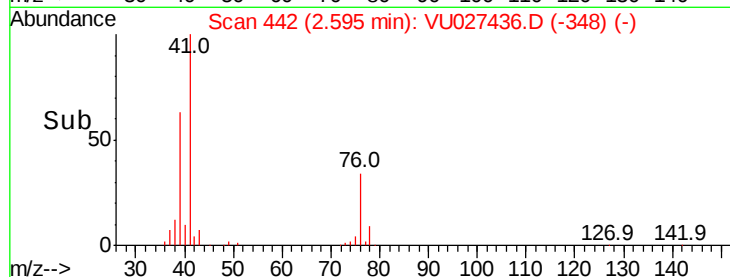
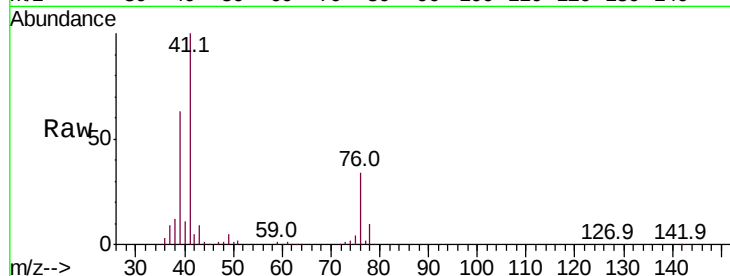
#14
Allvl chloride
Concen: 44.982 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	65.1	51.8	77.8	
76	33.1	25.9	38.9	

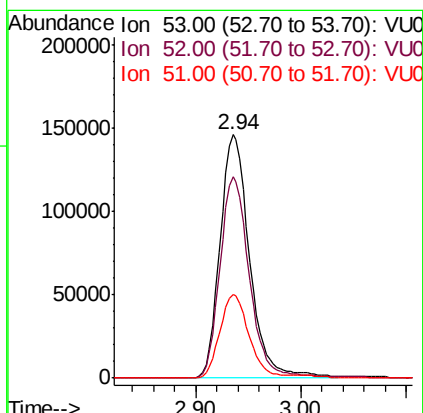
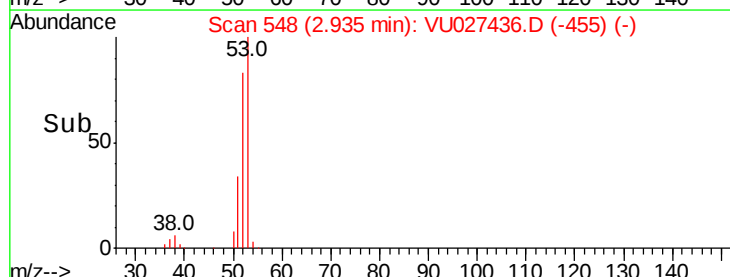
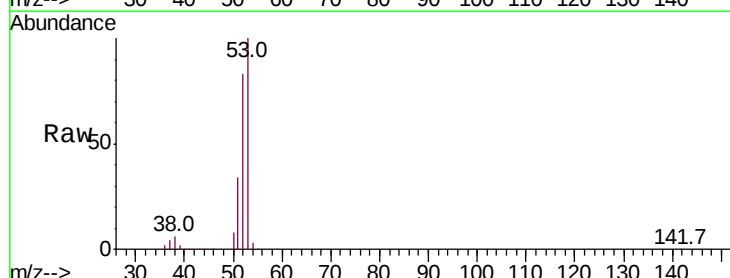
Manual Integrations
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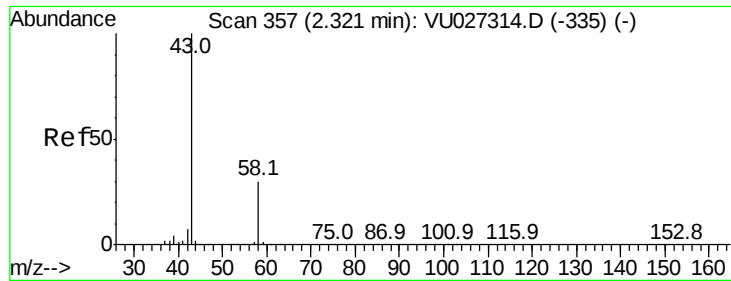
MMDadoda
10/8/2018 1:52:40 PM



#15
Acrylonitrile
Concen: 250.507 ug/l
RT: 2.94 min Scan# 548
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
53	100			
52	82.2	66.5	99.7	
51	35.0	27.6	41.4	





#16

Acetone

Concen: 278.944 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MS

Tot Ion: 43 Resp: 341141

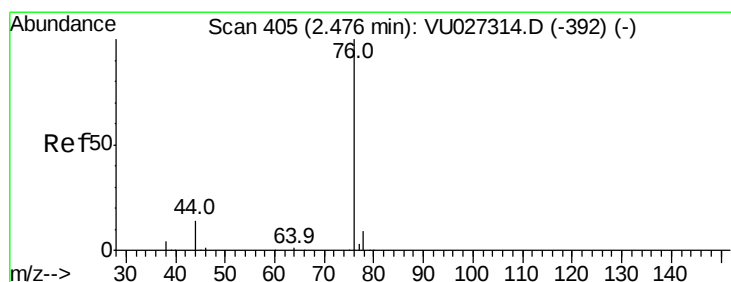
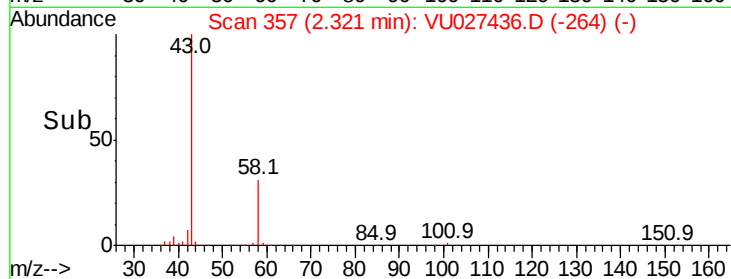
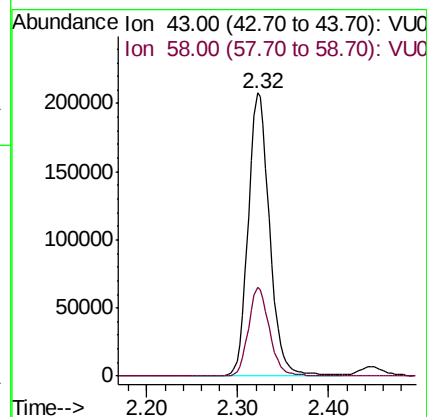
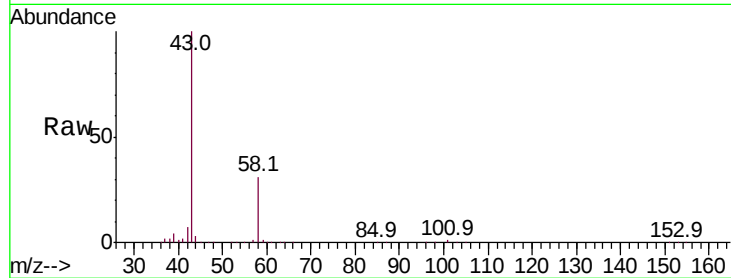
Ion Ratio Lower Upper

43 100

58 31.1 24.2 36.4

Manual Integrations
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10/8/2018 1:52:40 PM



#17

Carbon Disulfide

Concen: 45.972 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027436.D

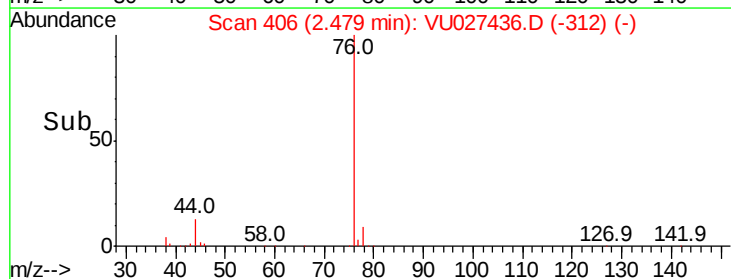
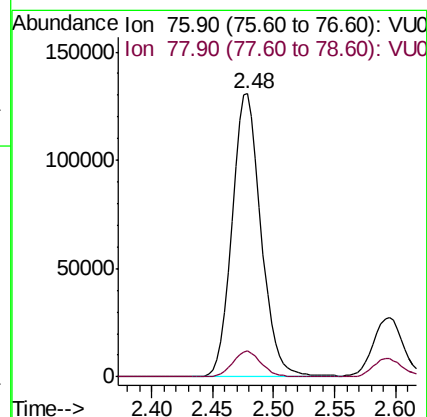
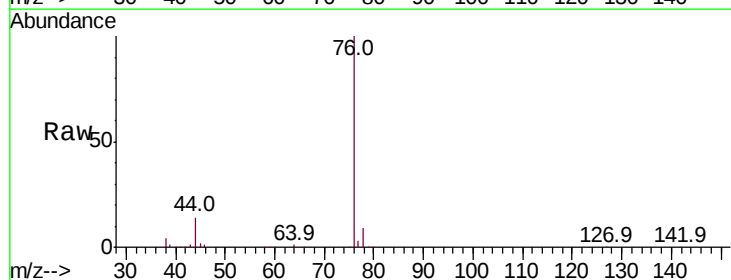
Acq: 05 Oct 2018 02:13

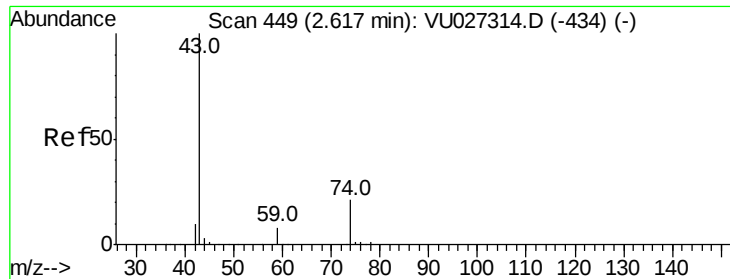
Tgt Ion: 76 Resp: 217127

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





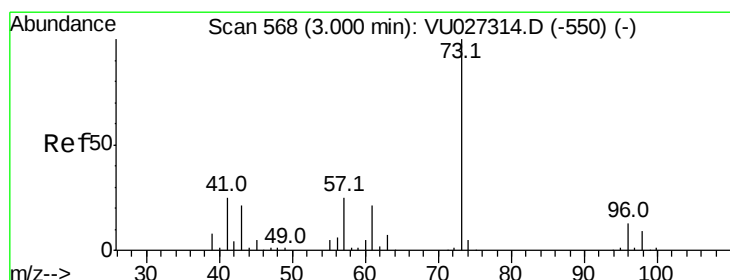
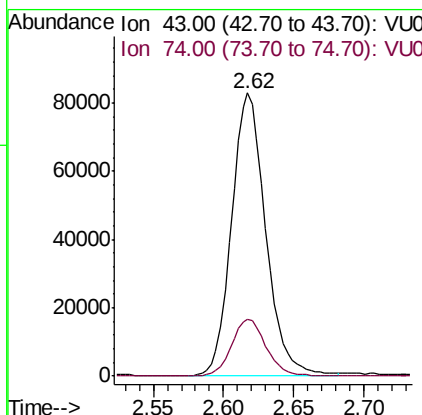
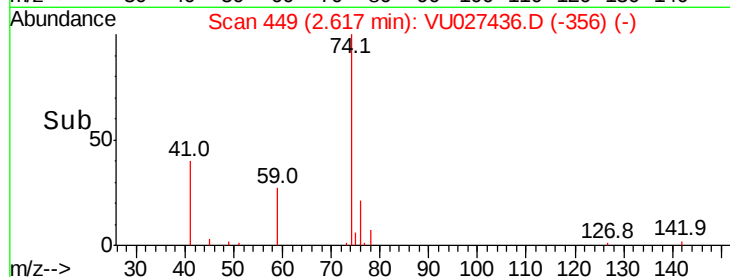
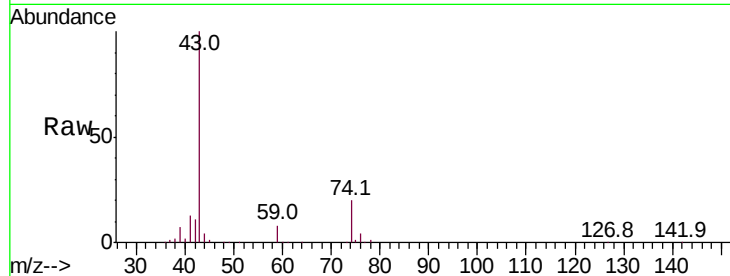
#18
Methyl Acetate
Concen: 50.021 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion: 43 Resp: 139554
Ion Ratio Lower Upper
43 100
74 20.7 16.5 24.7

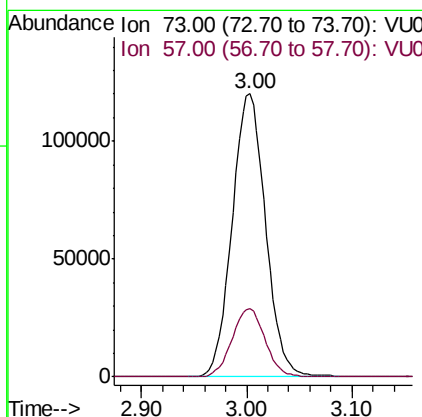
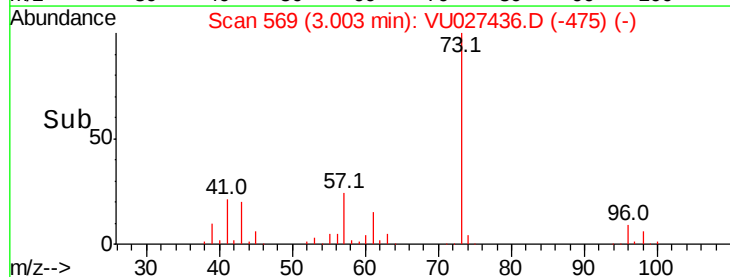
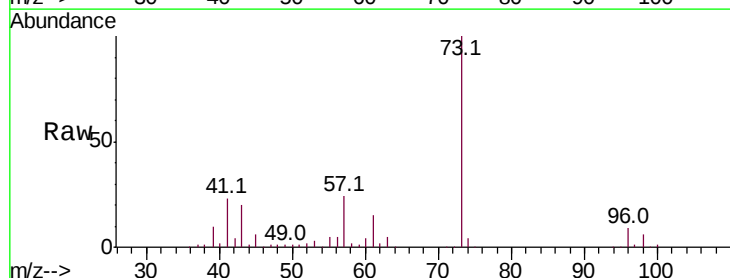
Manual Integrations
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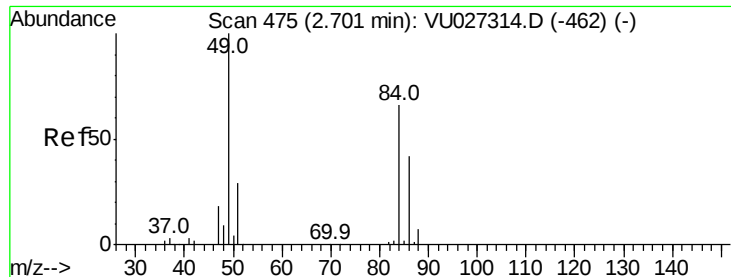
MMDadoda
10/8/2018 1:52:40 PM



#19
Methyl tert-butyl Ether
Concen: 50.346 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion: 73 Resp: 264175
Ion Ratio Lower Upper
73 100
57 24.1 20.0 30.0





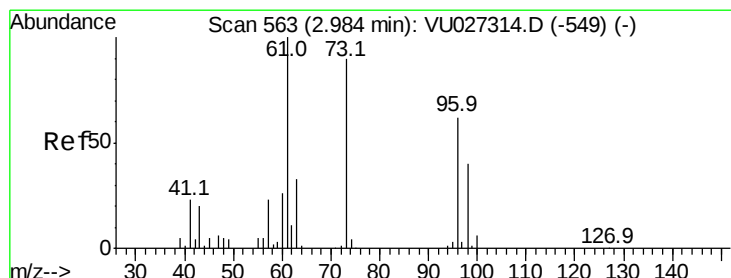
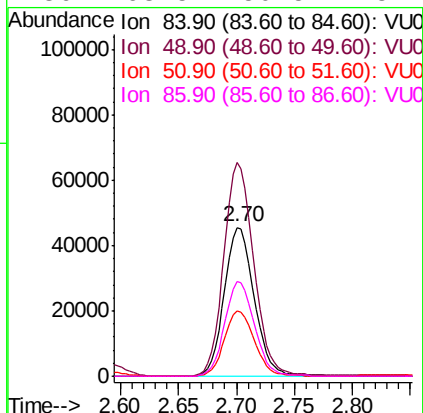
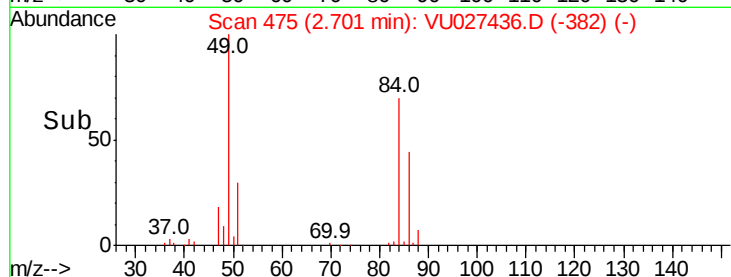
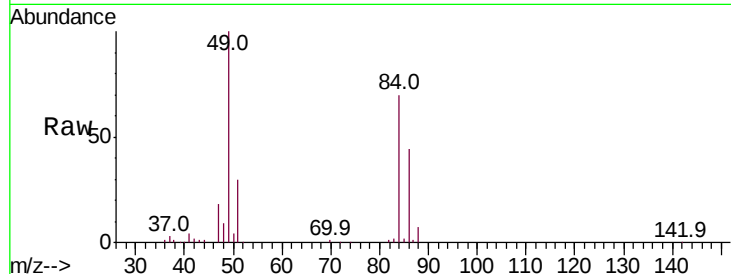
#20
Methvlene Chloride
Concen: 47.769 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion:	84	Resp:	81376
Ion	Ratio	Lower	Upper
84	100		
49	143.7	120.5	180.7
51	43.8	35.1	52.7
86	63.5	50.5	75.7

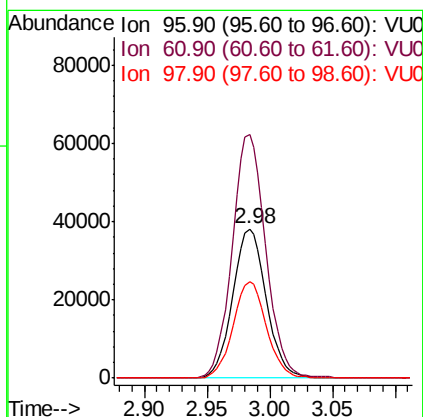
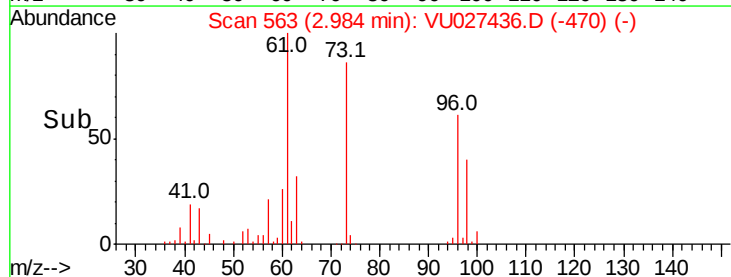
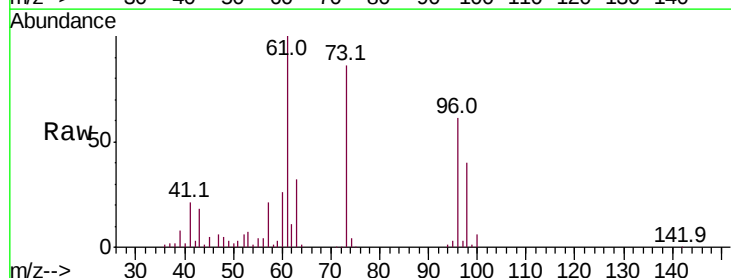
Manual Integrations
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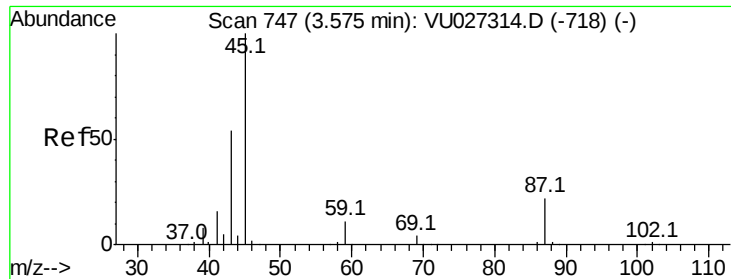
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#21
trans-1,2-Dichloroethene
Concen: 48.197 ug/l
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion:	96	Resp:	70861
Ion	Ratio	Lower	Upper
96	100		
61	162.8	129.4	194.2
98	64.7	51.2	76.8





#22

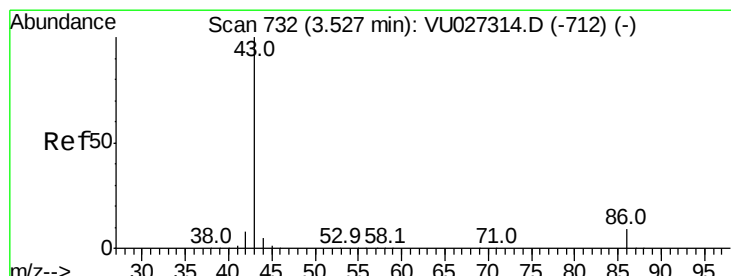
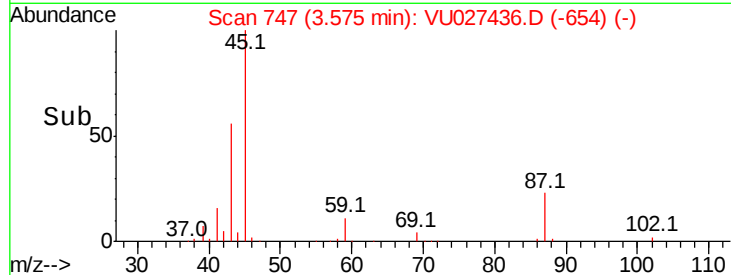
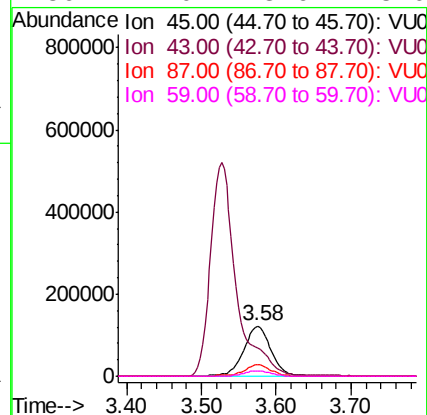
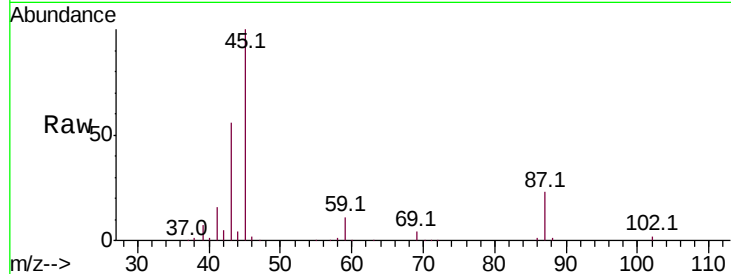
Diisopropyl ether
 Concen: 49.180 ug/l
 RT: 3.58 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MS

Tot Ion	Ratio	Lower	Upper
45	100		
43	54.8	43.4	65.2
87	22.7	17.5	26.3
59	11.0	8.6	13.0

Manual Integrations
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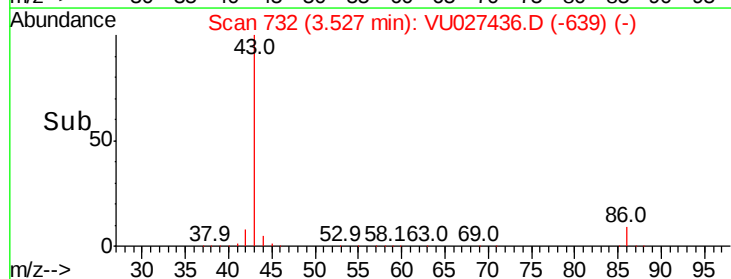
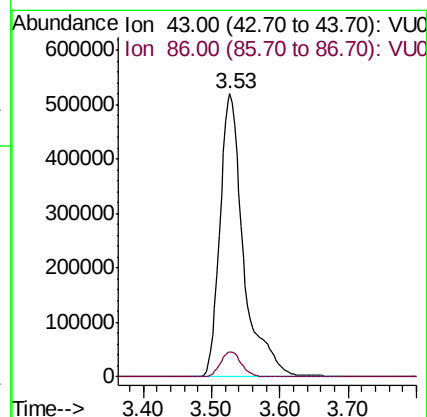
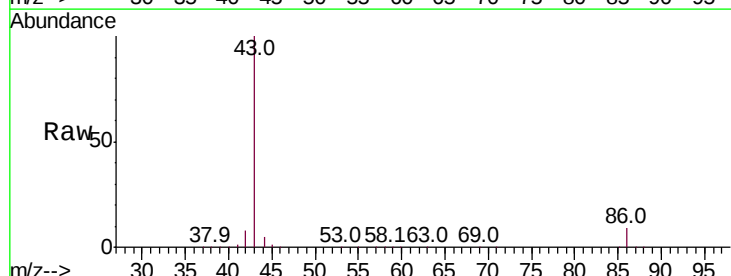
MMDadoda
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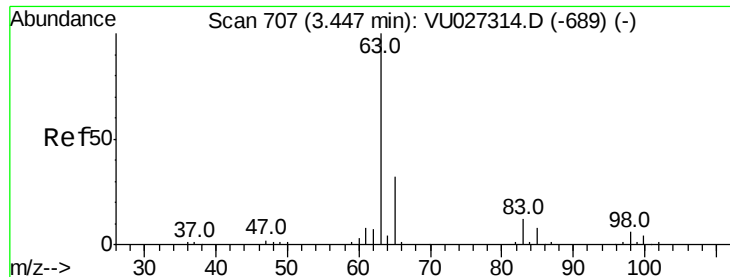


#23

Vinyl Acetate
 Concen: 227.832 ug/l
 RT: 3.53 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.0	7.0	10.4





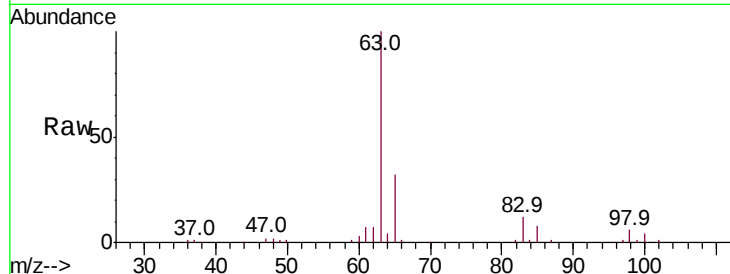
#24
 1,1-Dichloroethane
 Concen: 49.246 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MS

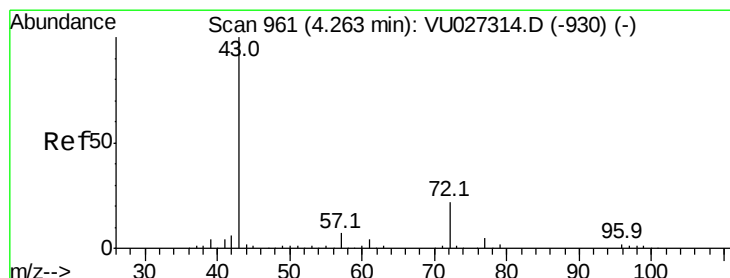
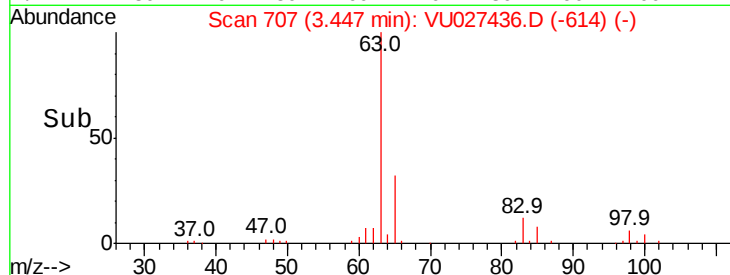
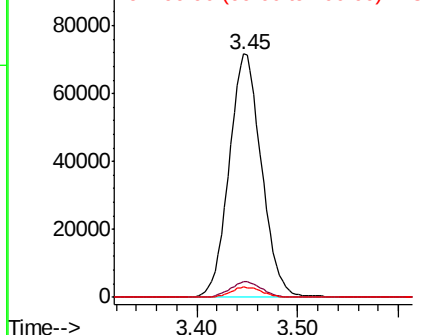
Tot Ion	Ratio	Resp	Lower	Upper
63	100	160015		
98	6.3		3.0	9.2
100	4.1		1.8	5.5

Manual Integrations
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 10/8/2018 1:52:40 PM

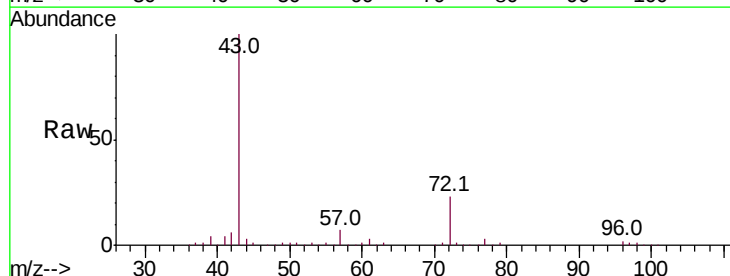


Abundance Ion 62.90 (62.60 to 63.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0
 Ion 99.90 (99.60 to 100.60): VU0

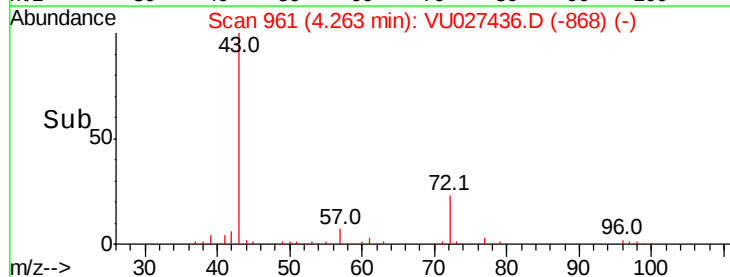
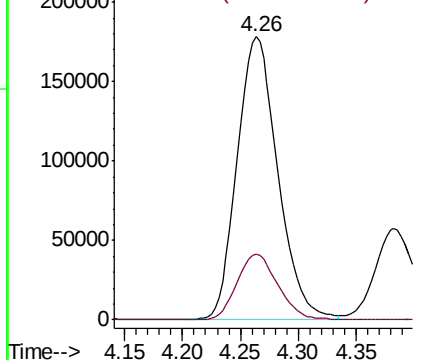


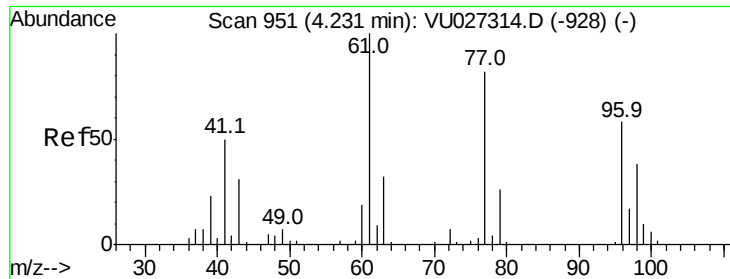
#25
 2-Butanone
 Concen: 258.982 ug/l
 RT: 4.26 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	431908		
72	23.2		17.8	26.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0





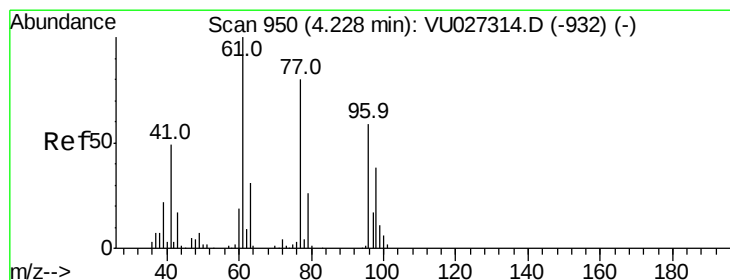
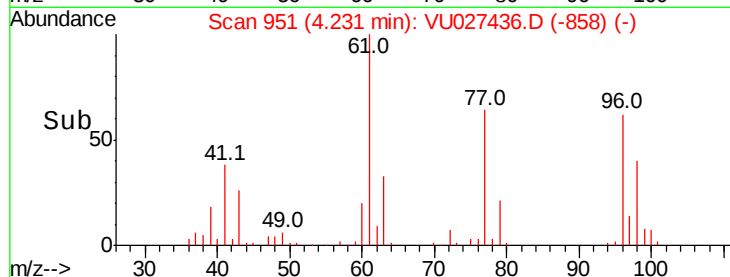
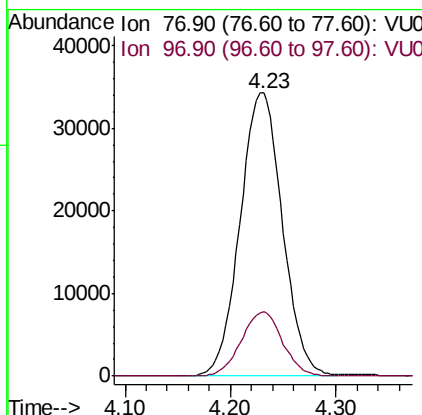
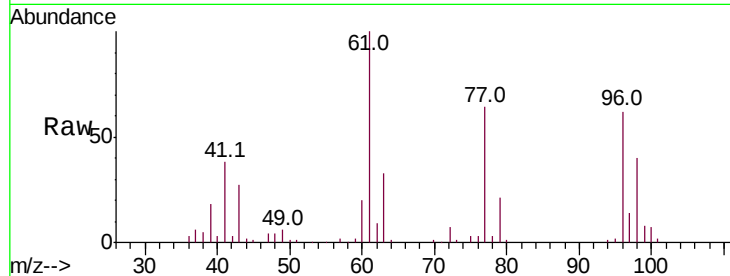
#26
 2,2-Dichloropropane
 Concen: 35.856 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MS

Tot Ion: 77 Resp: 95733
 Ion Ratio Lower Upper
 77 100
 97 22.1 10.4 31.1

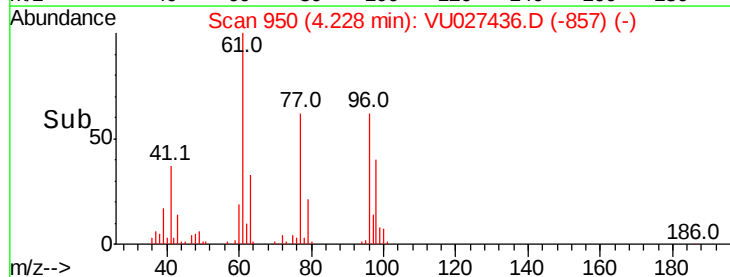
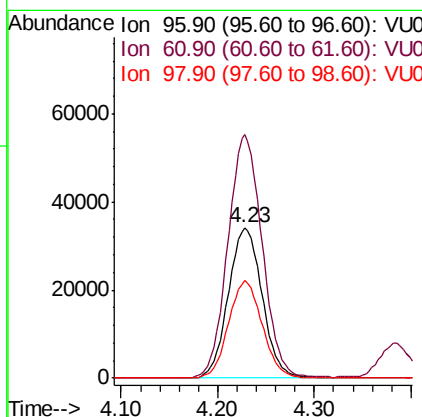
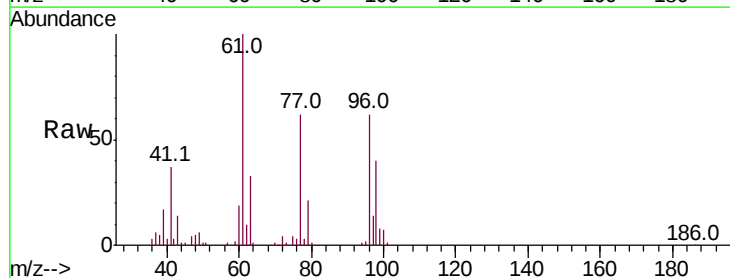
Manual Integrations
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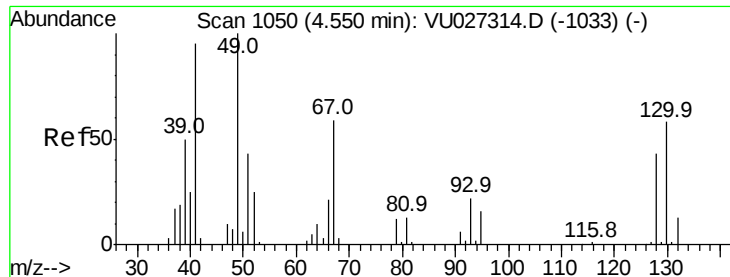
MMDadoda
 10/8/2018 1:52:40 PM



#27
 cis-1,2-Dichloroethene
 Concen: 49.517 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Tgt Ion: 96 Resp: 83255
 Ion Ratio Lower Upper
 96 100
 61 163.7 0.0 343.8
 98 64.1 0.0 129.0





#28

Bromochloromethane

Concen: 51.484 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MS

Tot Ion: 49 Resp: 80708

Ion Ratio Lower Upper

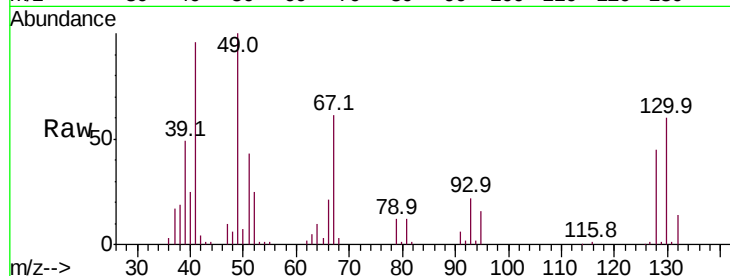
49 100

129 1.3 0.0 3.0

130 60.5 46.1 69.1

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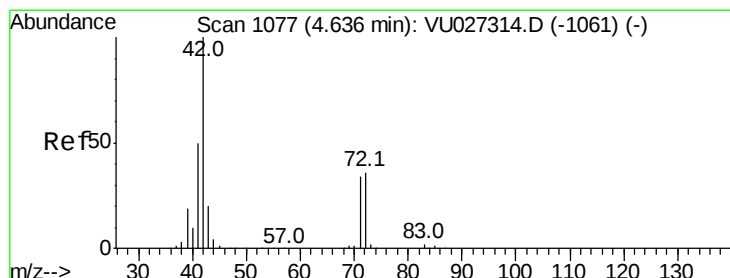
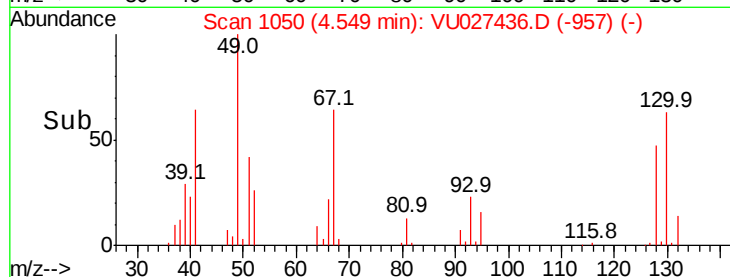
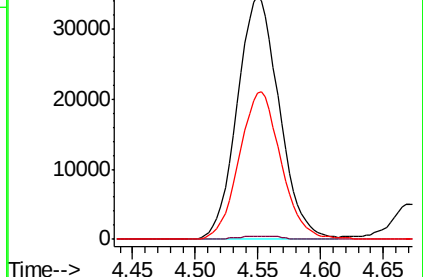
MMDadoda
10/8/2018 1:52:40 PM



Abundance Ion 48.90 (48.60 to 49.60): VU027314.D (-1033) (-)

Ion 128.80 (128.50 to 129.50): VU027314.D (-1033) (-)

Ion 129.80 (129.50 to 130.50): VU027314.D (-1033) (-)



#29

Tetrahydrofuran

Concen: 254.190 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

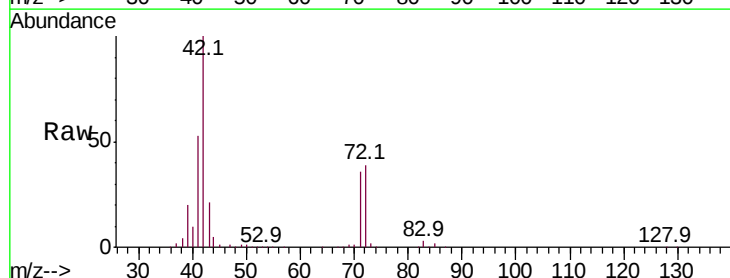
Tgt Ion: 42 Resp: 267158

Ion Ratio Lower Upper

42 100

72 38.9 30.1 45.1

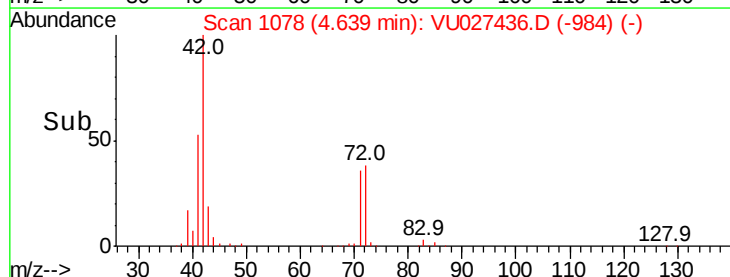
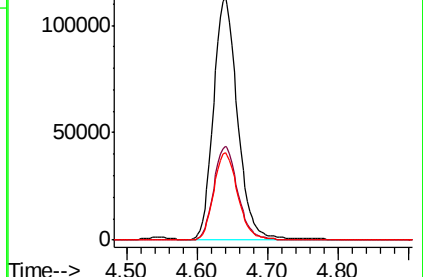
71 36.3 27.7 41.5

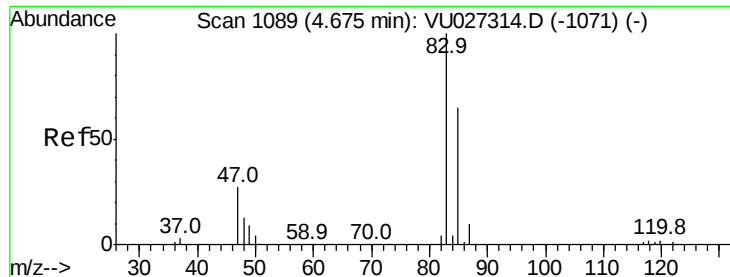


Abundance Ion 42.00 (41.70 to 42.70): VU027314.D (-1061) (-)

Ion 72.00 (71.70 to 72.70): VU027314.D (-1061) (-)

Ion 71.00 (70.70 to 71.70): VU027314.D (-1061) (-)





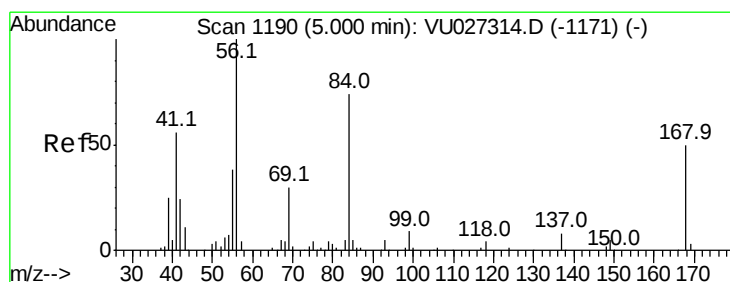
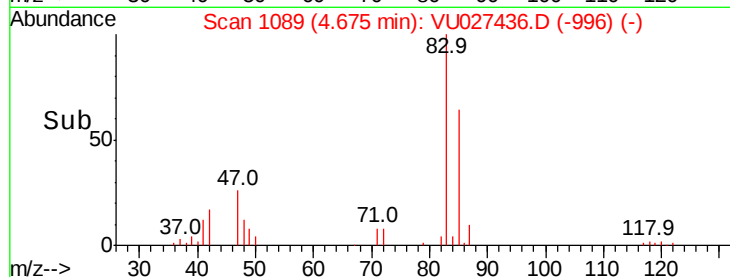
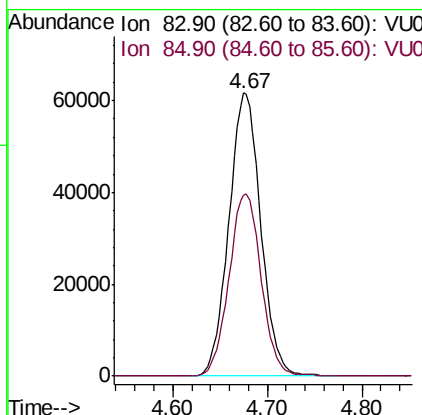
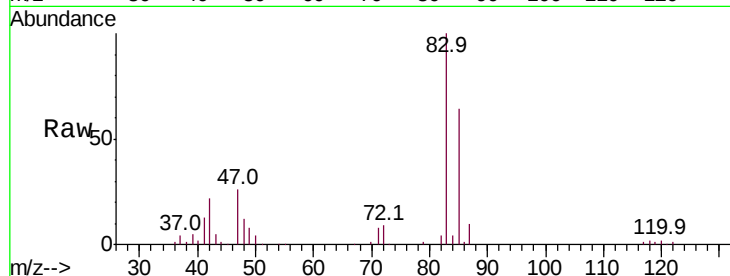
#30
Chloroform
Concen: 50.033 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion	83	Resp	144439
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6

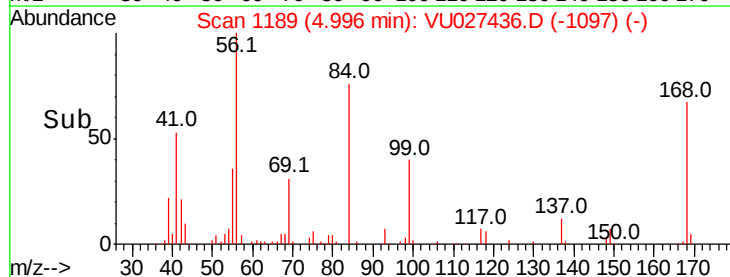
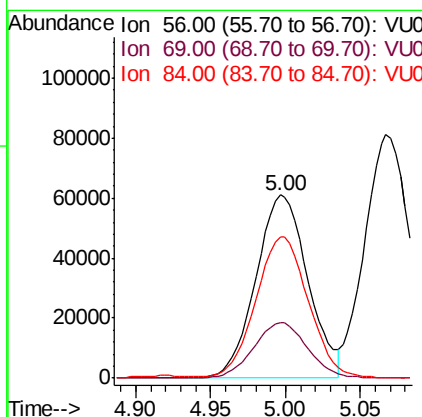
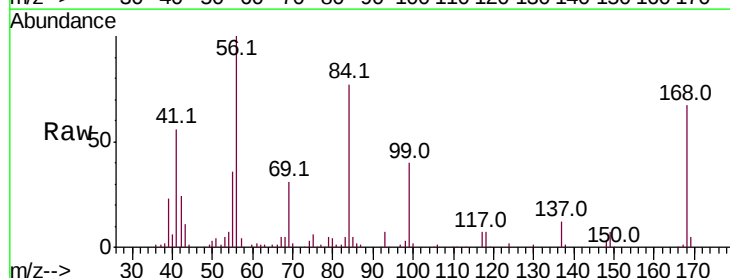
Manual Integrations
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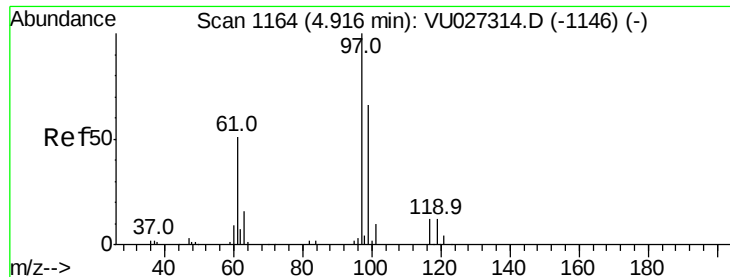
MMDadoda
10/8/2018 1:52:40 PM



#31
Cyclohexane
Concen: 44.383 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion	56	Resp	147449
Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.1	36.1
84	76.5	59.1	88.7





#32

1,1,1-Trichloroethane

Concen: 49.155 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

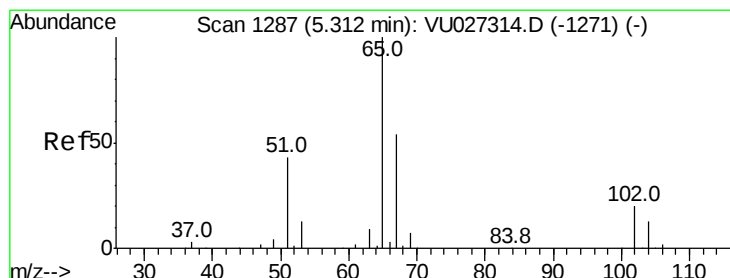
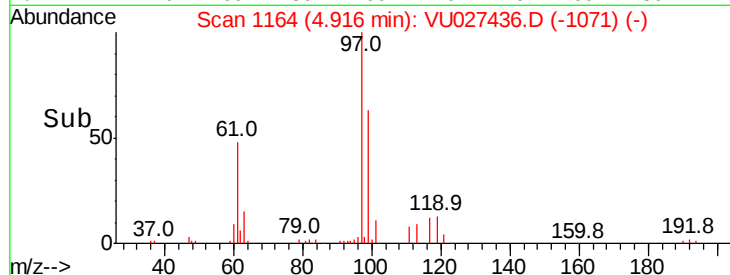
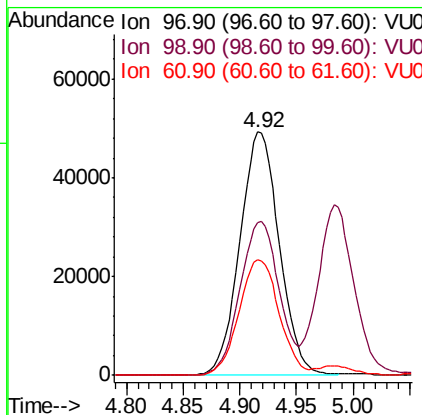
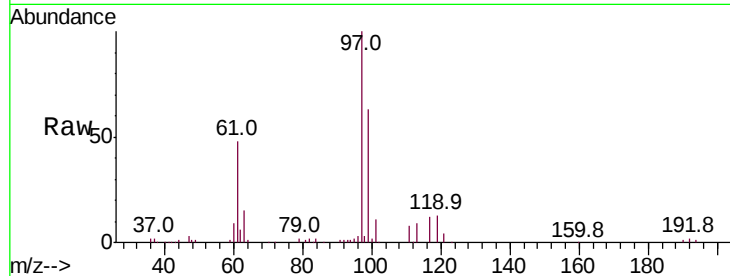
ClientSampleId :

EP-MW-H-092718MS

Tot Ion:	97	Resp:	119512
Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.1	76.7
61	48.3	39.6	59.4

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10/8/2018 1:52:40 PM



#33

1,2-Dichloroethane-d4

Concen: 45.857 ug/l

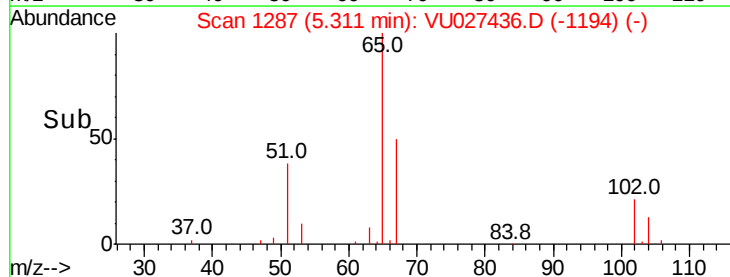
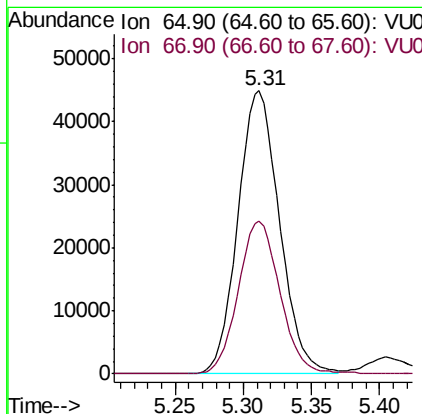
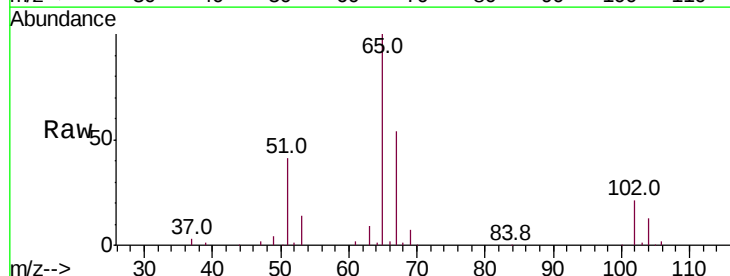
RT: 5.31 min Scan# 1287

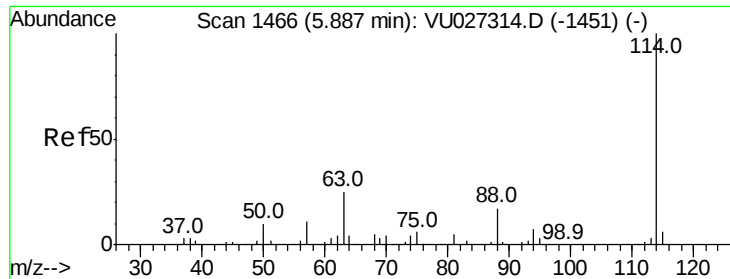
Delta R.T. 0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Tgt Ion:	65	Resp:	94931
Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	107.8





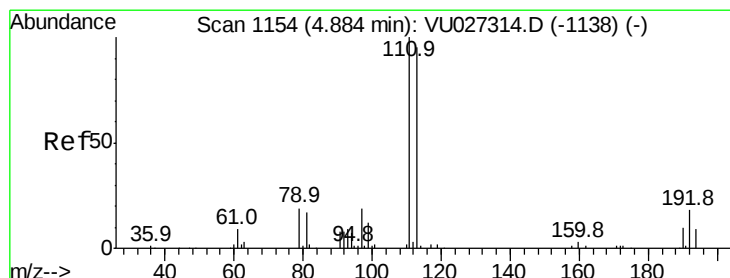
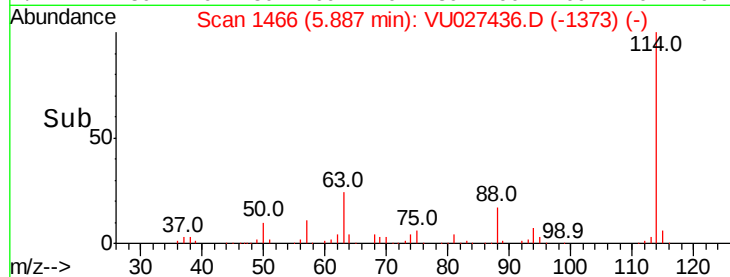
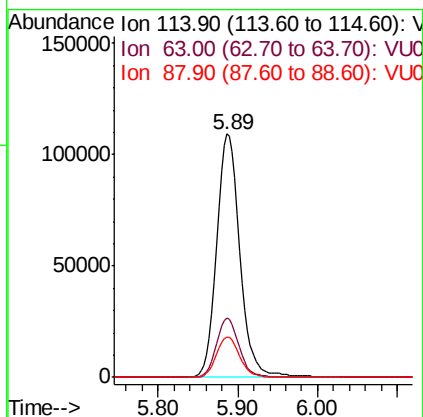
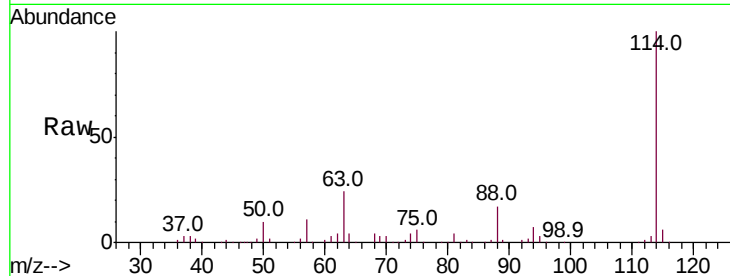
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MS

Tot Ion	Ratio	Resp	Lower	Upper
114	100	220778		
63	24.4	0.0	50.2	
88	16.7	0.0	33.8	

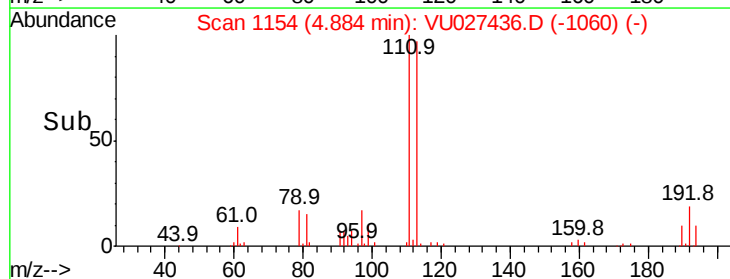
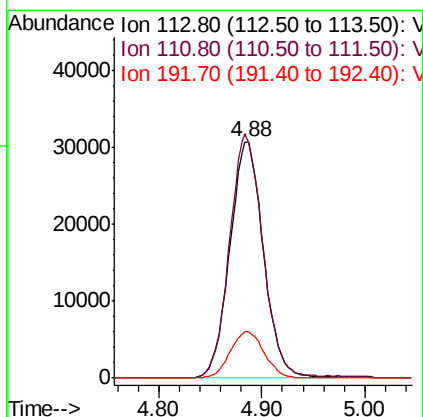
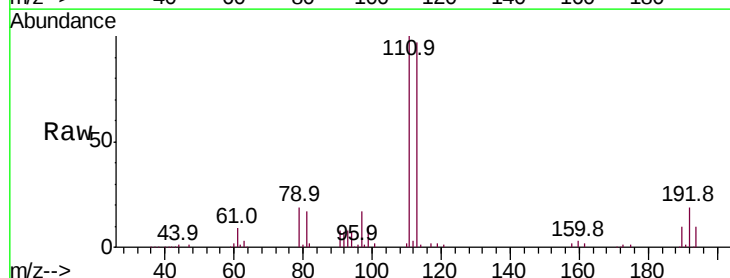
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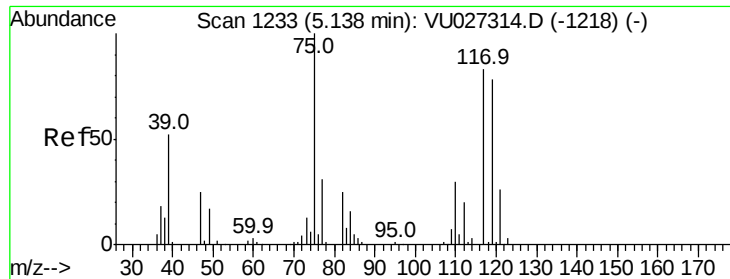
MMDadoda
 10/8/2018 1:52:40 PM



#35
 Dibromofluoromethane
 Concen: 46.133 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	69802		
111	102.3	83.1	124.7	
192	19.7	15.4	23.0	





#36

1,1-Dichloropropene

Concen: 45.956 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MS

Tot Ion: 75 Resp: 110164

Ion Ratio Lower Upper

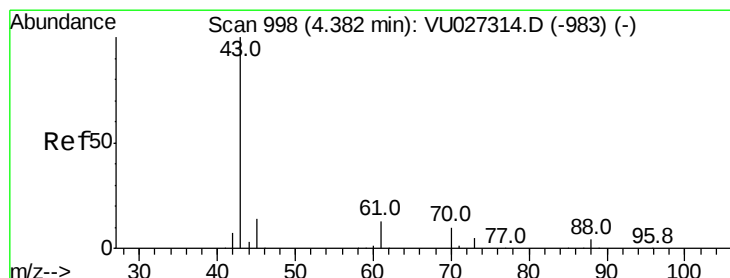
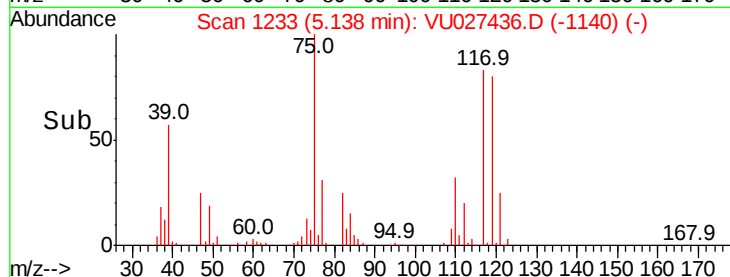
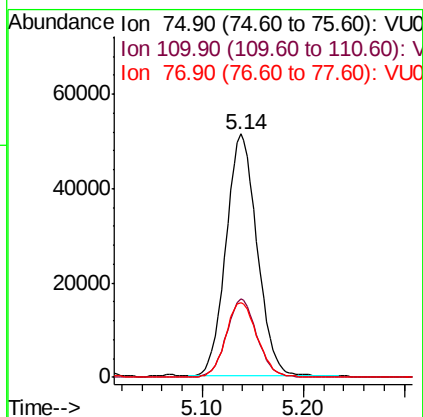
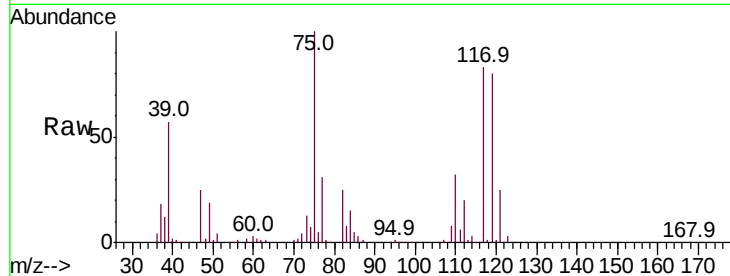
75 100

110 31.9 15.5 46.5

77 31.6 25.4 38.0

Manual Integrations
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10/8/2018 1:52:40 PM



#37

Ethyl Acetate

Concen: 46.585 ug/l

RT: 4.38 min Scan# 998

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

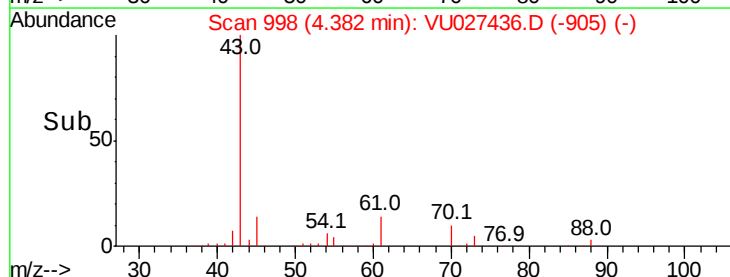
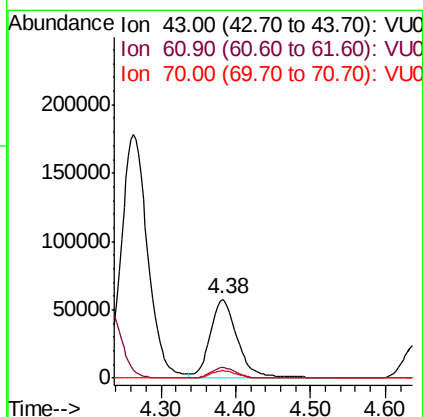
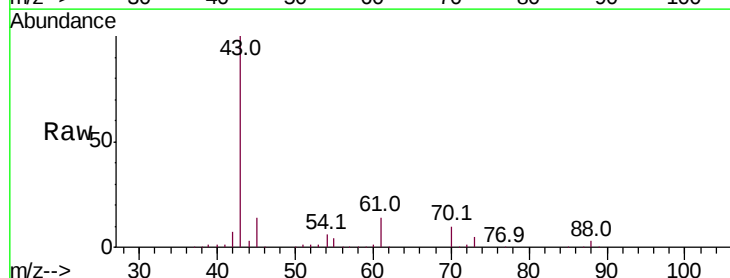
Tgt Ion: 43 Resp: 144324

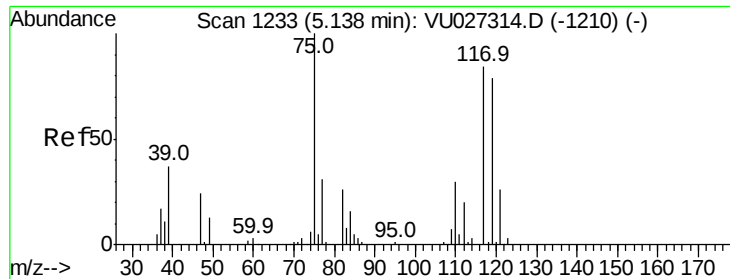
Ion Ratio Lower Upper

43 100

61 13.1 10.7 16.1

70 9.1 7.4 11.2





#38

Carbon Tetrachloride

Concen: 46.179 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MS

Tot Ion:117 Resp: 99994

Ion Ratio Lower Upper

117 100

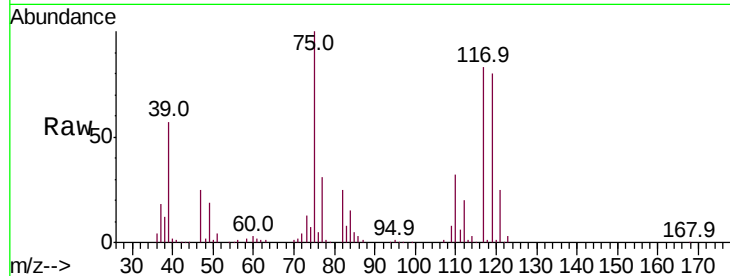
119 96.3 74.5 111.7

121 30.6 24.6 37.0

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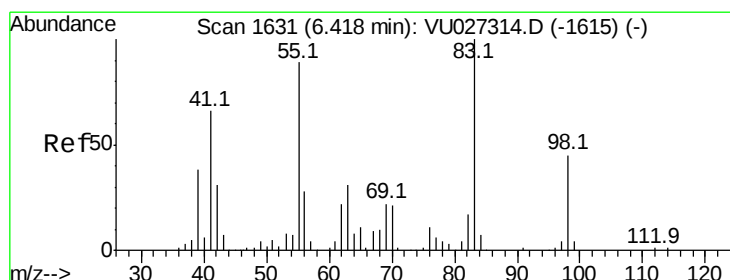
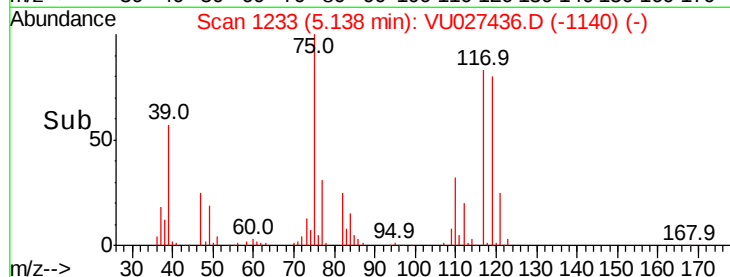
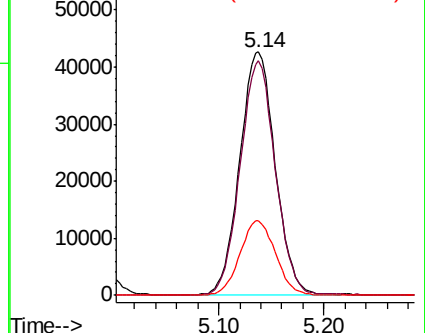
10/8/2018 1:52:40 PM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 46.044 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

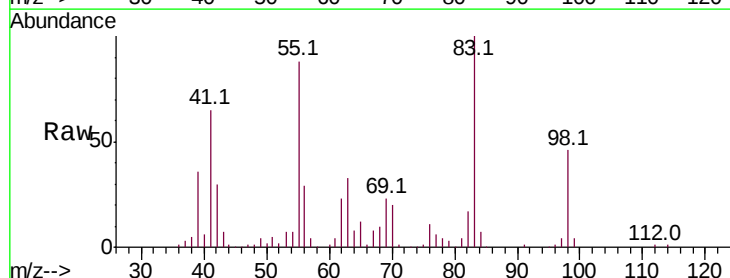
Tgt Ion: 83 Resp: 129022

Ion Ratio Lower Upper

83 100

55 87.7 71.1 106.7

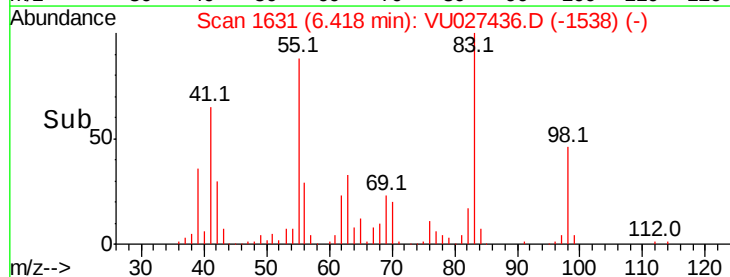
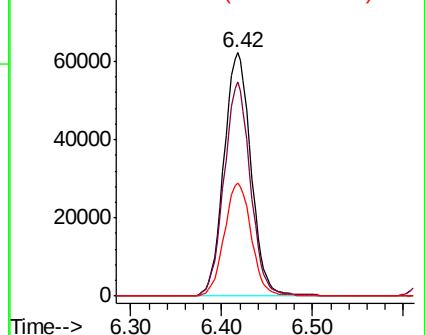
98 46.2 36.3 54.5

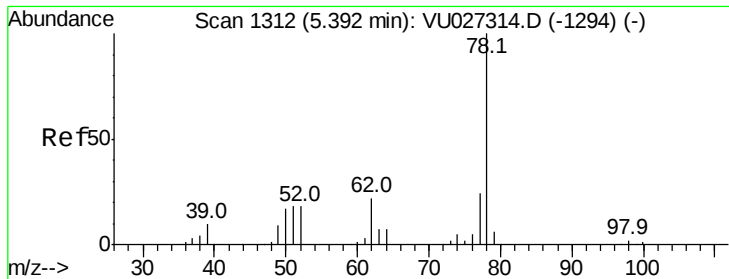


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 46.951 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MS

Tot Ion: 78 Resp: 327843

Ion Ratio Lower Upper

78 100

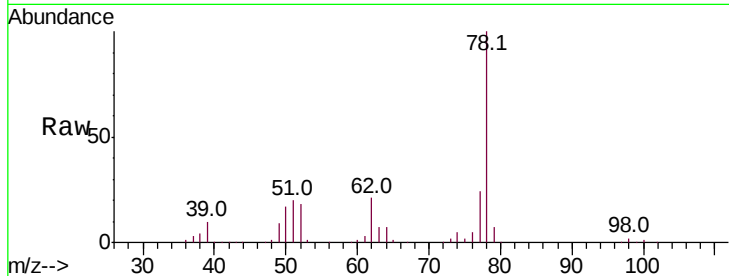
77 24.5 19.3 28.9

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10/8/2018 1:52:40 PM



Abundance Ion 78.00 (77.70 to 78.70): VU027314.D (-1294) (-)

Ion 77.00 (76.70 to 77.70): VU027314.D (-1294) (-)

5.39

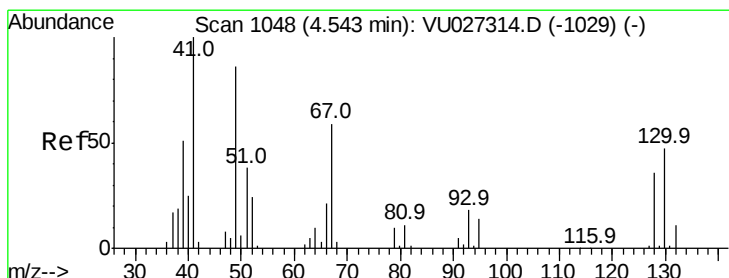
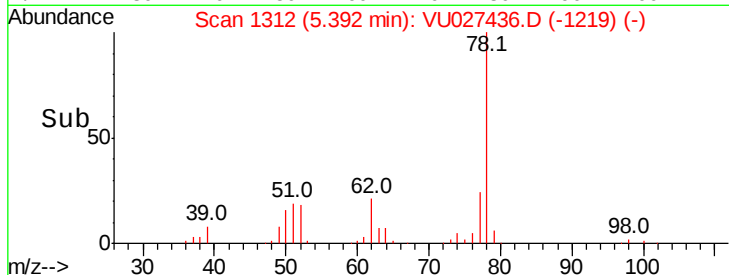
150000

100000

50000

0

Time-->



#41

Methacrylonitrile

Concen: 47.890 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Tgt Ion: 41 Resp: 83859

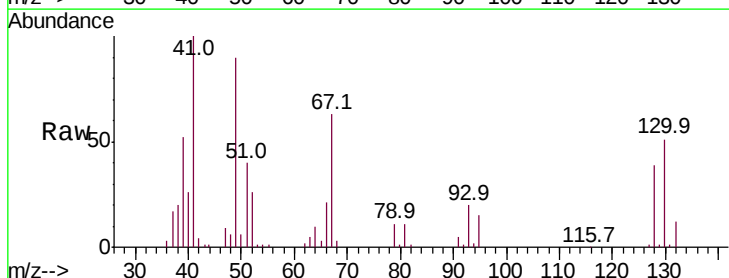
Ion Ratio Lower Upper

41 100

39 51.9 41.1 61.7

67 64.1 50.4 75.6

52 25.4 20.3 30.5



Abundance Ion 41.00 (40.70 to 41.70): VU027314.D (-1029) (-)

Ion 39.00 (38.70 to 39.70): VU027314.D (-1029) (-)

Ion 67.00 (66.70 to 67.70): VU027314.D (-1029) (-)

Ion 52.00 (51.70 to 52.70): VU027314.D (-1029) (-)

80000

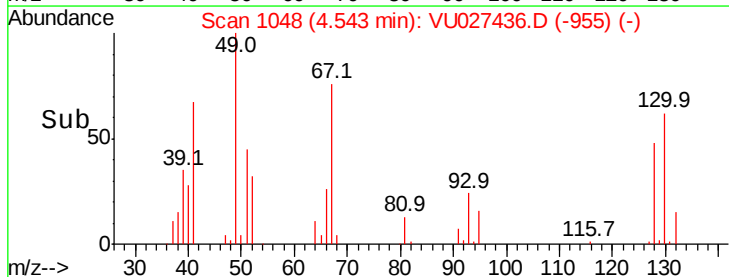
60000

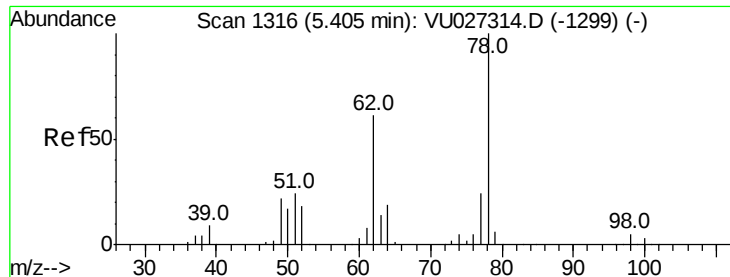
40000

20000

0

Time-->





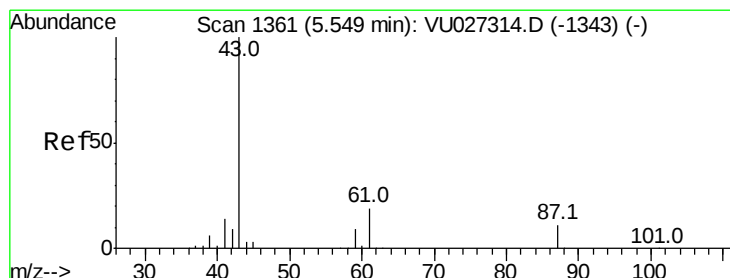
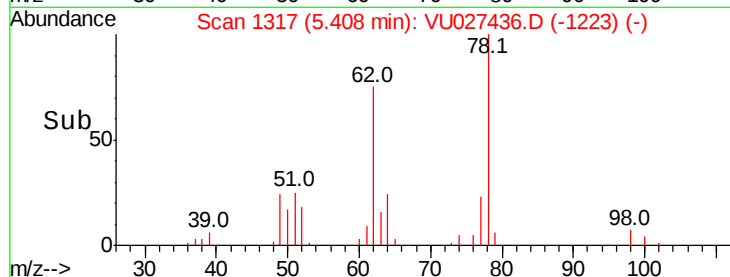
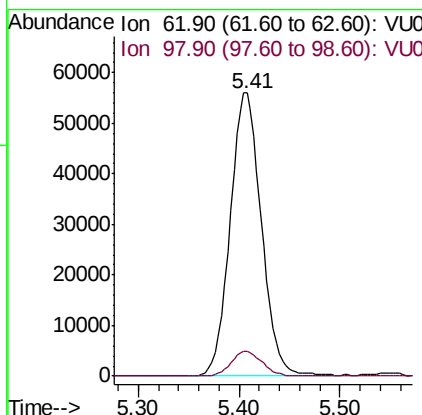
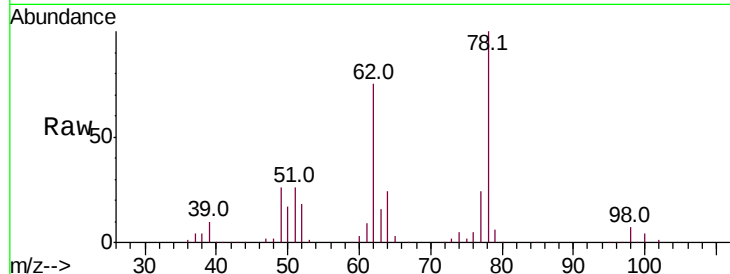
#42
 1,2-Dichloroethane
 Concen: 46.424 ug/l
 RT: 5.41 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MS

Tot Ion	Ratio	Resp	Lower	Upper
62	100			
98	8.7	0.0	16.8	

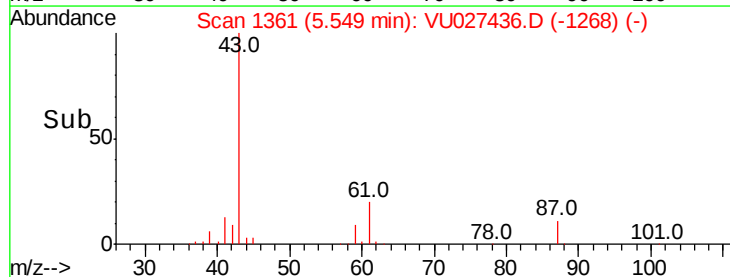
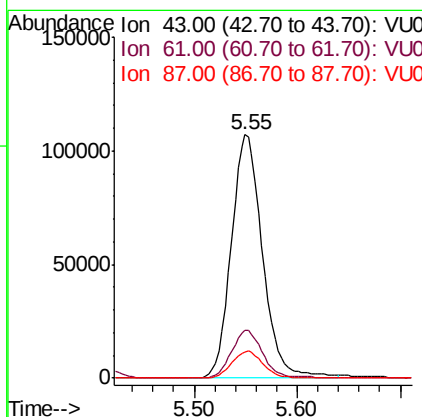
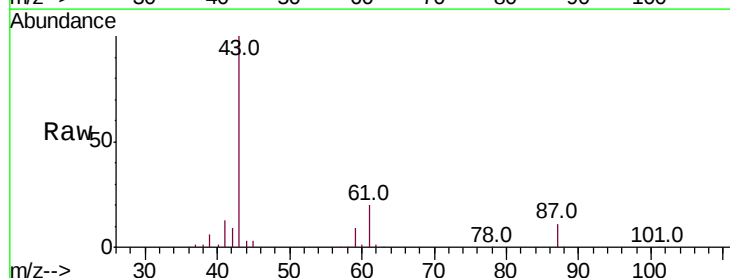
Manual Integrations
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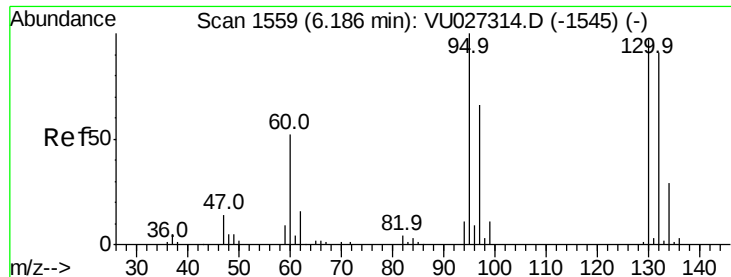
MMDadoda
 10/8/2018 1:52:40 PM



#43
 Isopropyl Acetate
 Concen: 46.700 ug/l
 RT: 5.55 min Scan# 1361
 Delta R.T. -0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	19.7	15.3	22.9	
87	11.2	8.6	13.0	





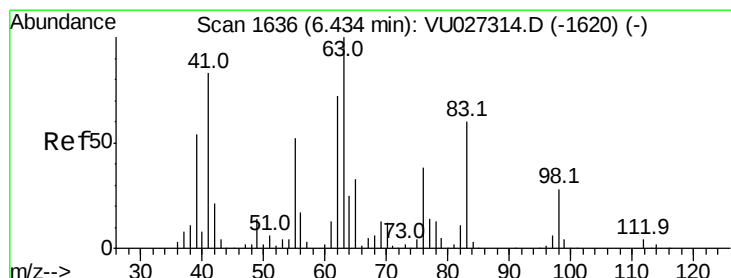
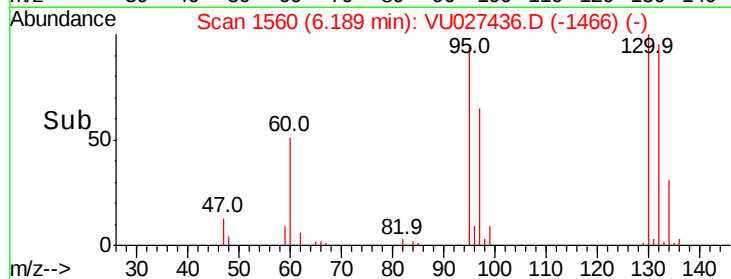
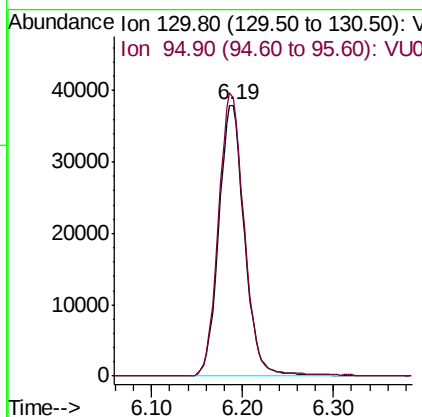
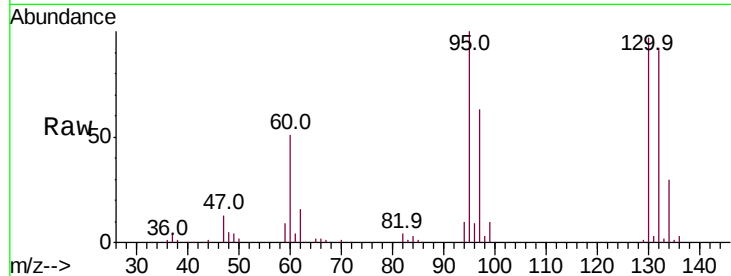
#44
 Trichloroethene
 Concen: 47.938 ug/l
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MS

Tot Ion:130 Resp: 74640
 Ion Ratio Lower Upper
 130 100
 95 102.7 0.0 207.0

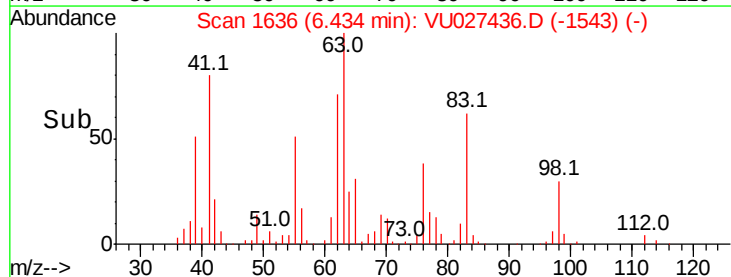
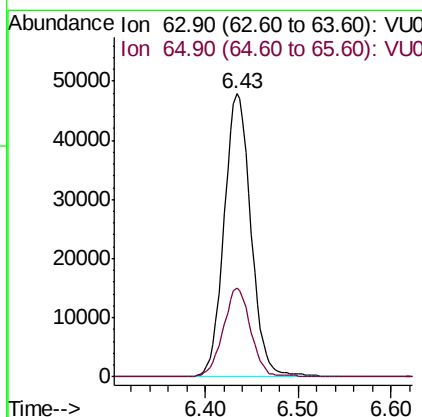
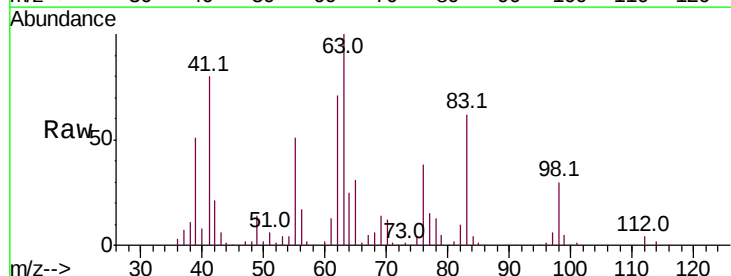
Manual Integrations
 APPROVED

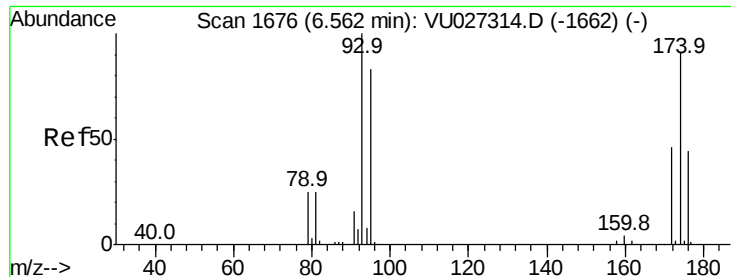
MMDadoda
 10/8/2018 1:52:40 PM



#45
 1,2-Dichloropropane
 Concen: 47.712 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Tgt Ion: 63 Resp: 96093
 Ion Ratio Lower Upper
 63 100
 65 31.2 26.0 39.0





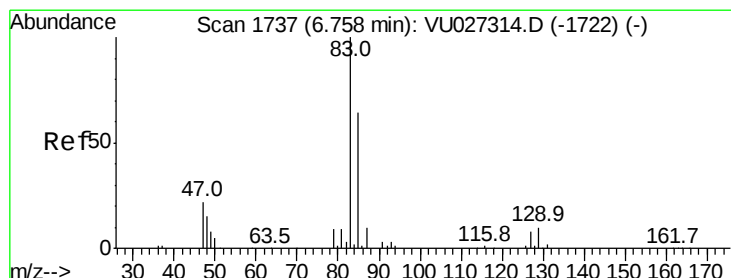
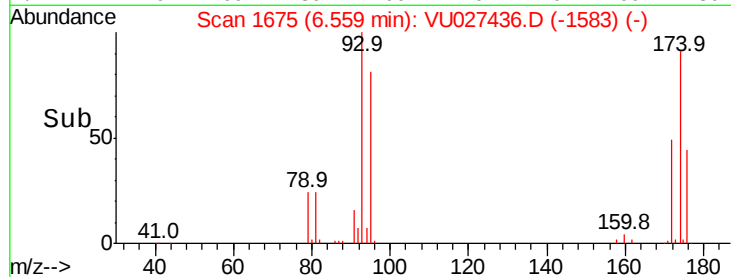
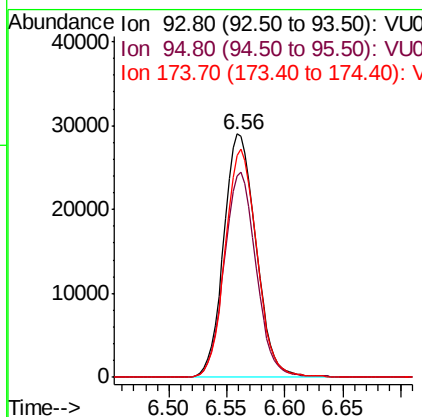
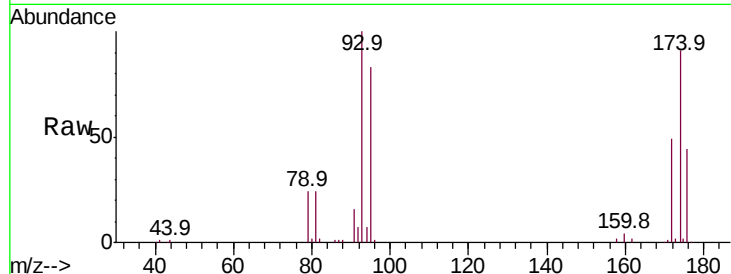
#46
Dibromomethane
Concen: 49.230 ug/l
RT: 6.56 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.5	99.7
174	91.7	72.5	108.7

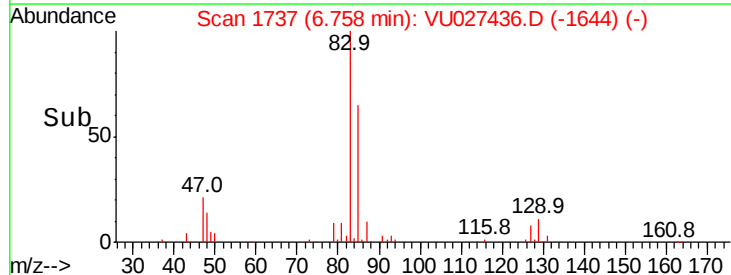
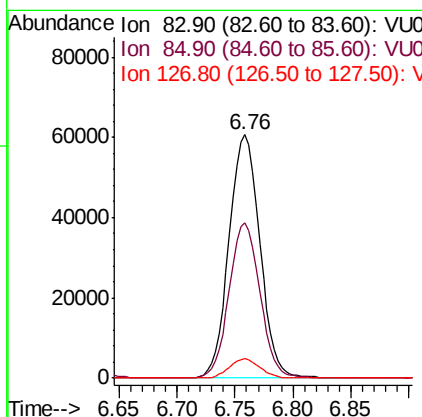
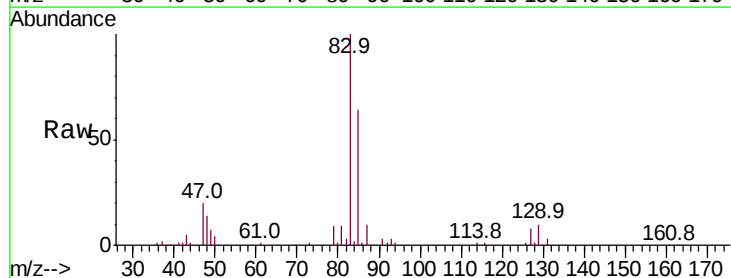
Manual Integrations
APPROVED

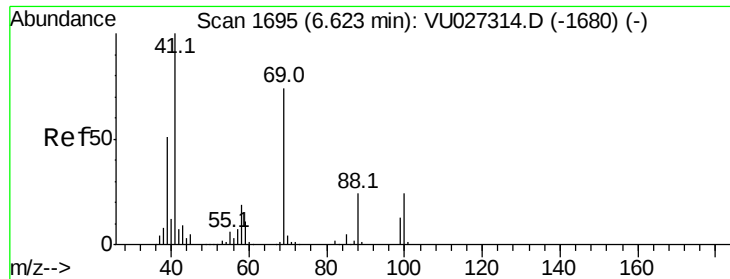
MMDadoda
10/8/2018 1:52:40 PM



#47
Bromodichloromethane
Concen: 47.589 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.0
127	8.0	6.3	9.5





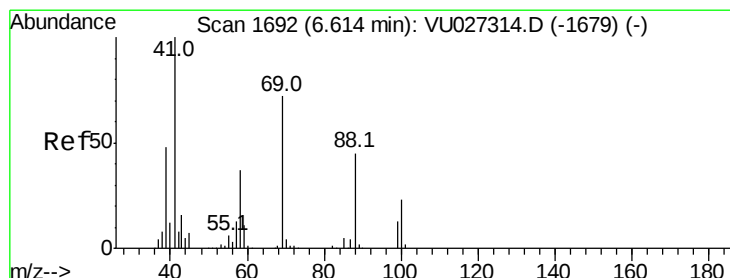
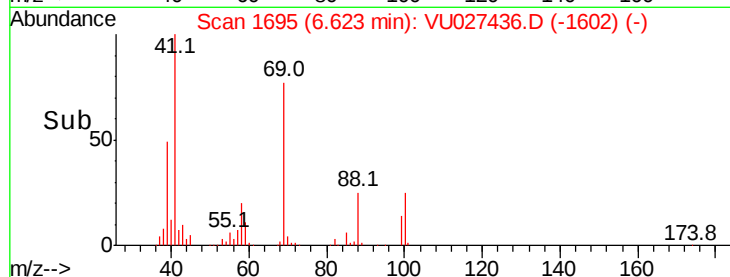
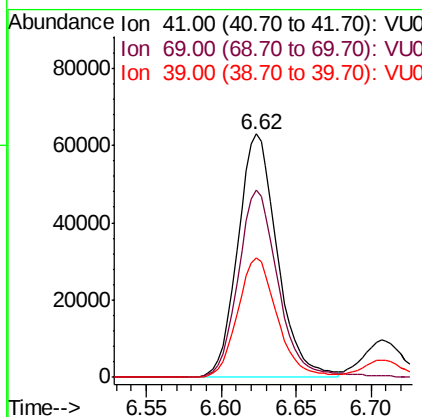
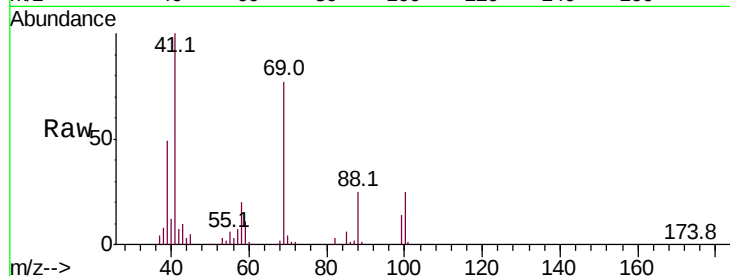
#48
Methvl methacrylate
Concen: 48.279 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion	Ratio	Resp	Lower	Upper
41	100	115521		
69	78.0		61.0	91.4
39	49.1		39.9	59.9

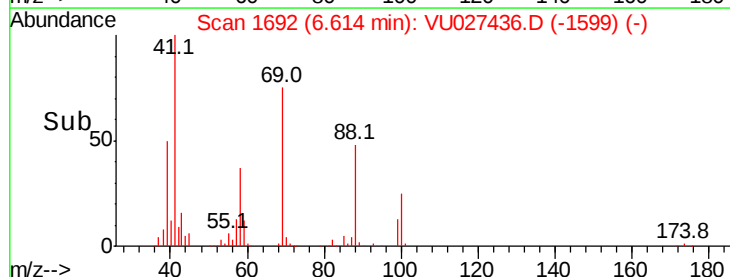
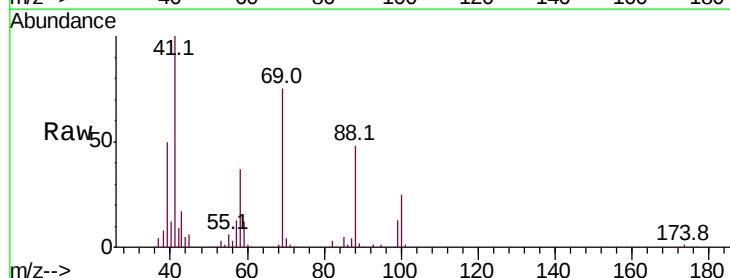
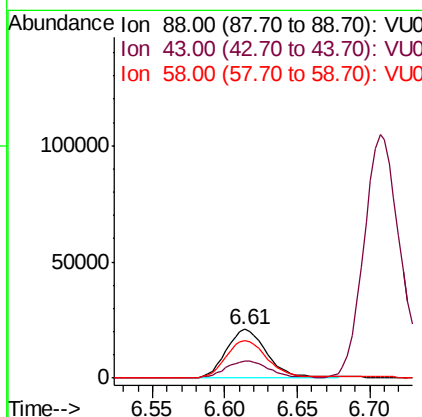
Manual Integrations
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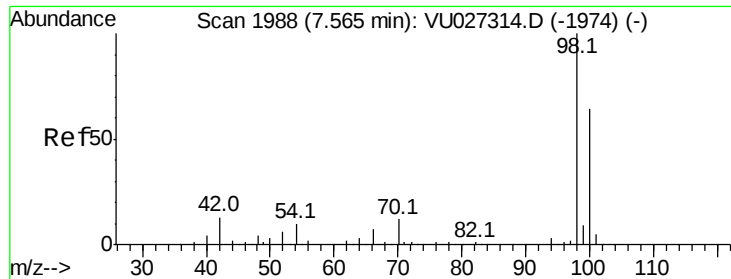
MMDadoda
10/8/2018 1:52:40 PM



#49
1,4-Dioxane
Concen: 972.687 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	40045		
43	38.3		30.8	46.2
58	80.9		67.0	100.6





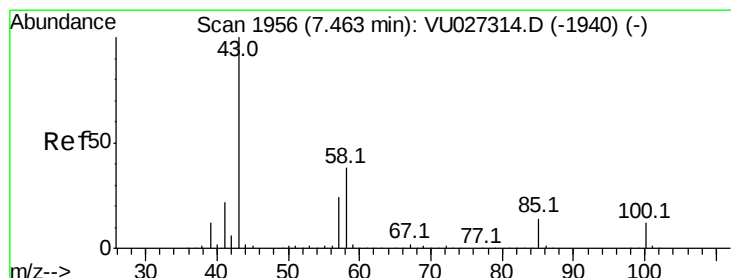
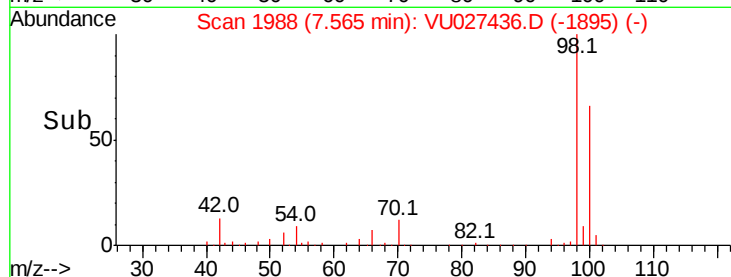
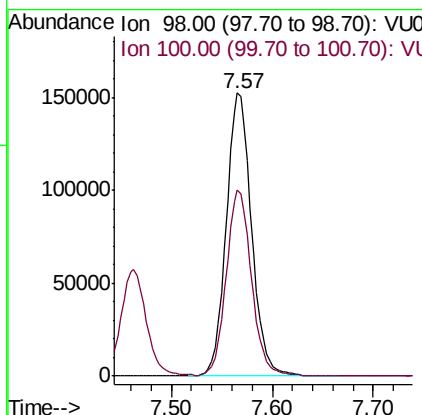
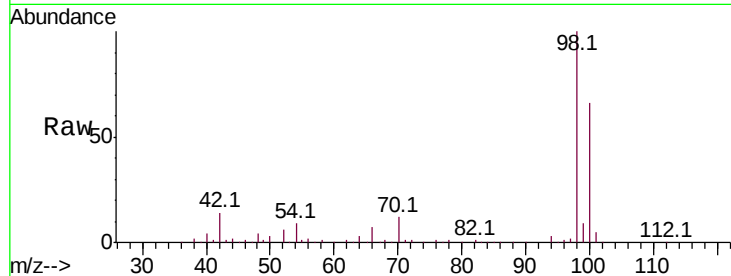
#50
Toluene-d8
Concen: 47.105 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion: 98 Resp: 266752
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1

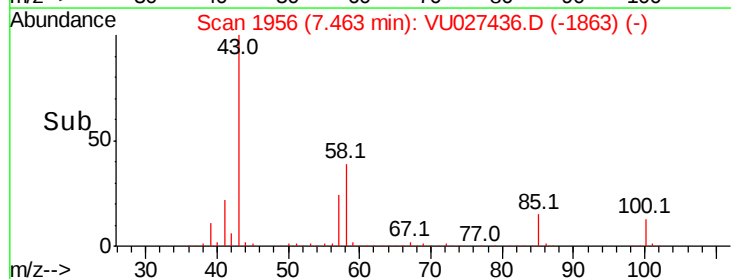
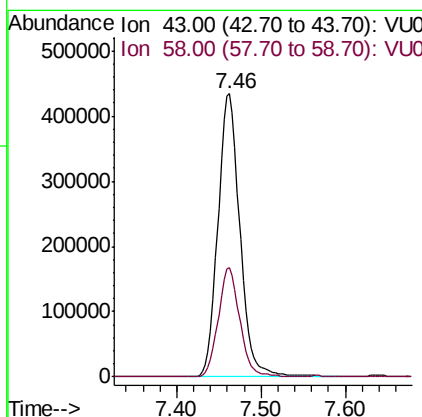
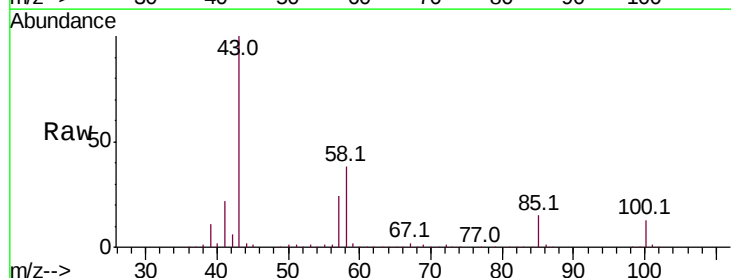
Manual Integrations
APPROVED

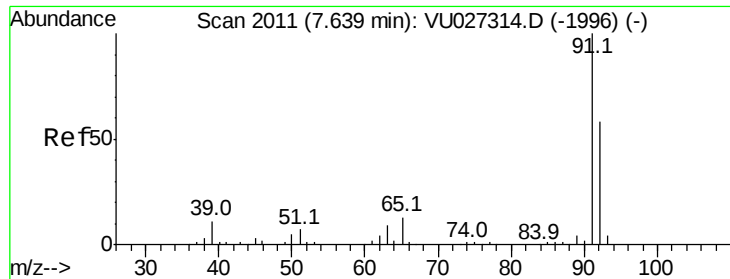
MMDadoda
10/8/2018 1:52:40 PM



#51
4-Methyl-2-Pentanone
Concen: 251.353 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion: 43 Resp: 785898
Ion Ratio Lower Upper
43 100
58 37.8 29.8 44.8





#52

Toluene

Concen: 47.687 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MS

Tot Ion: 92 Resp: 197089

Ion Ratio Lower Upper

92 100

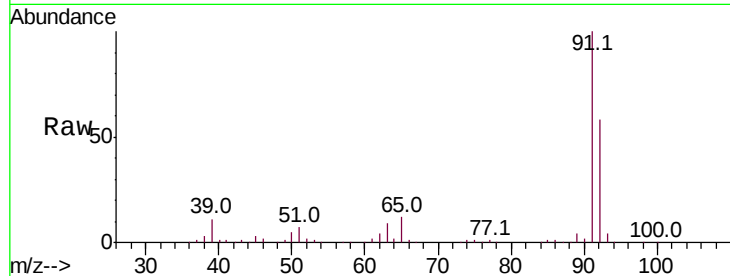
91 172.2 138.6 208.0

Manual Integrations

APPROVED

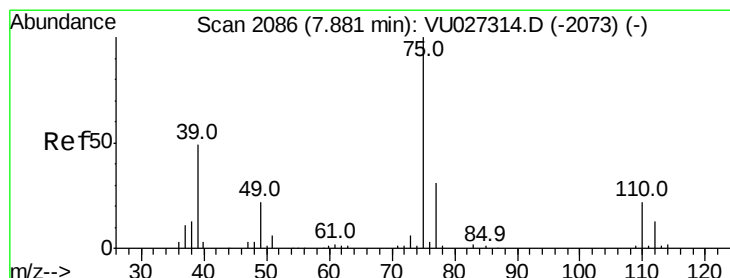
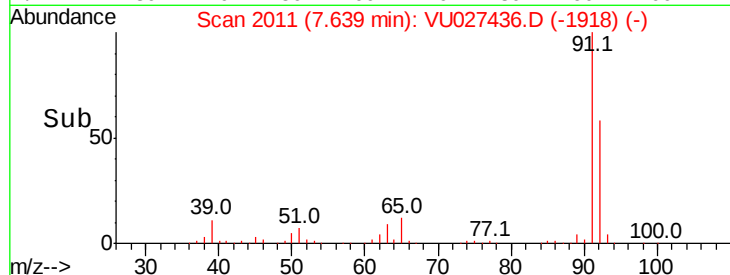
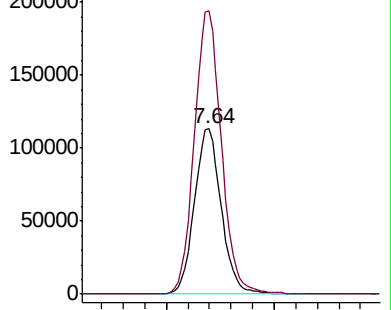
MMDadoda

10/8/2018 1:52:40 PM



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#53

t-1,3-Dichloropropene

Concen: 46.508 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027436.D

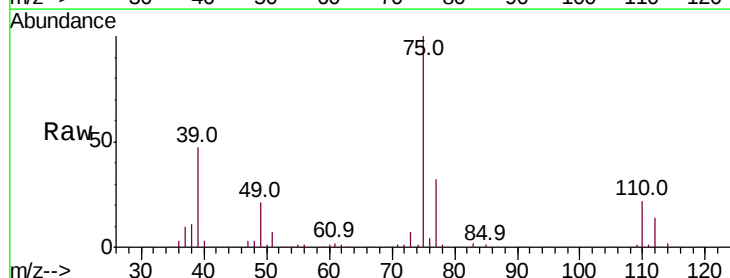
Acq: 05 Oct 2018 02:13

Tgt Ion: 75 Resp: 128705

Ion Ratio Lower Upper

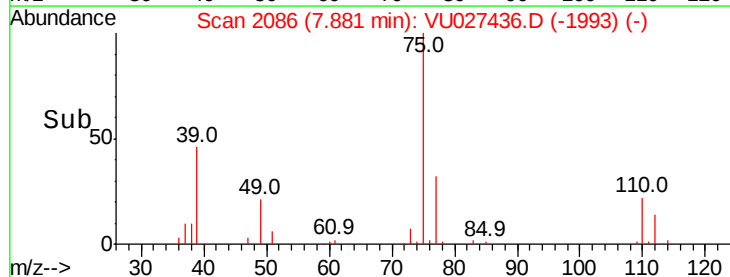
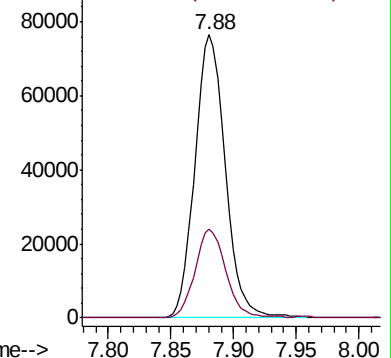
75 100

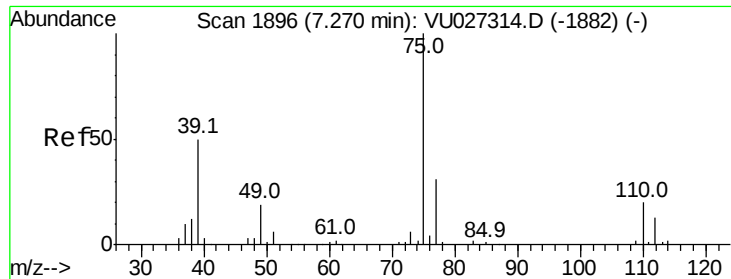
77 31.6 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0





#54

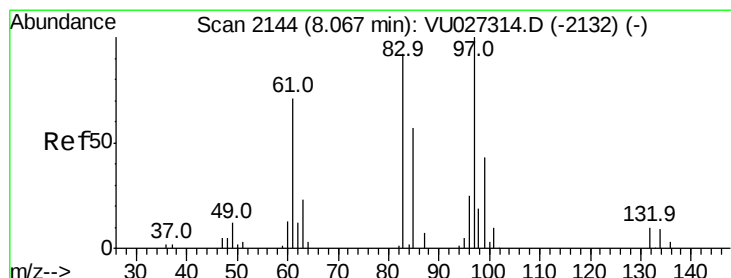
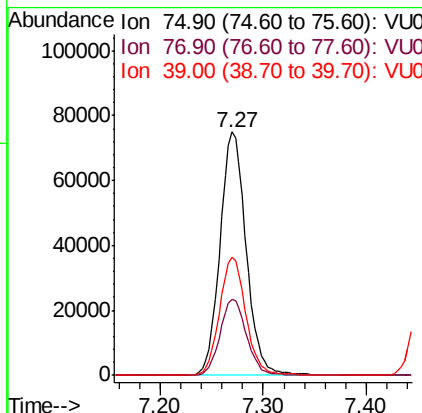
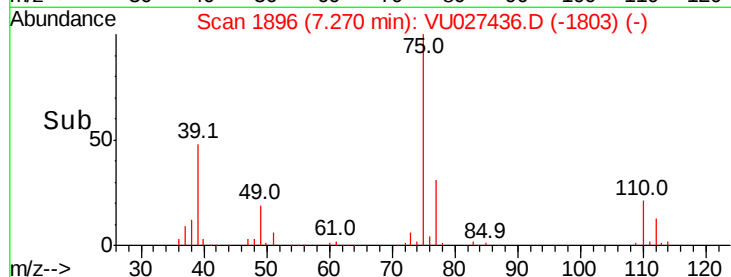
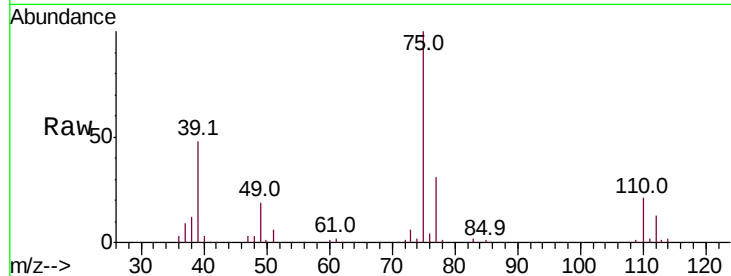
cis-1,3-Dichloropropene
Concen: 44.370 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.5	36.7
39	48.3	40.1	60.1

Manual Integrations
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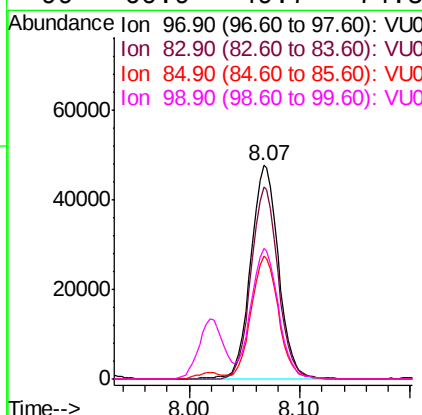
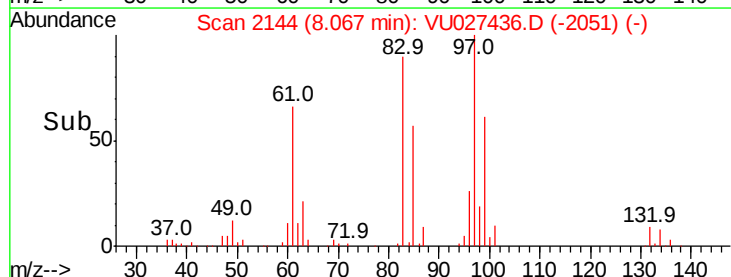
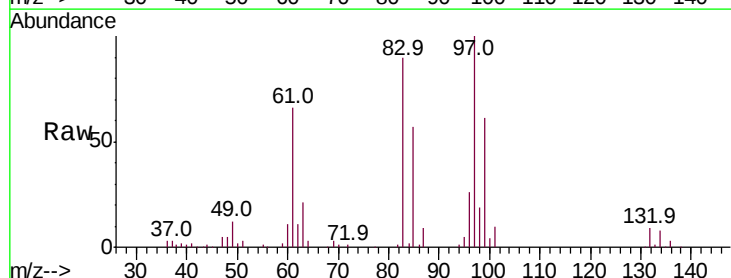
MMDadoda
10/8/2018 1:52:40 PM

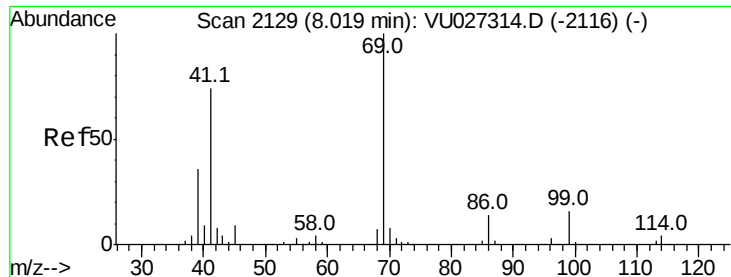


#55

1,1,2-Trichloroethane
Concen: 50.667 ug/l
RT: 8.07 min Scan# 2144
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.0	73.0	109.6
85	57.1	47.3	70.9
99	60.9	49.7	74.5





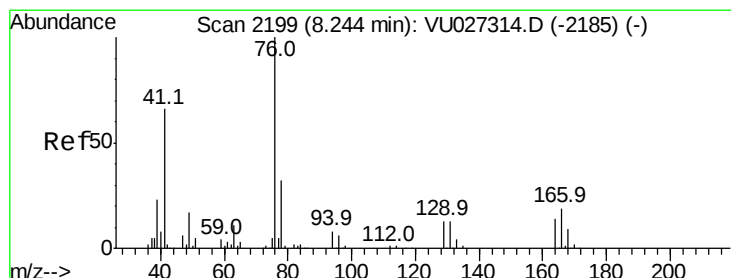
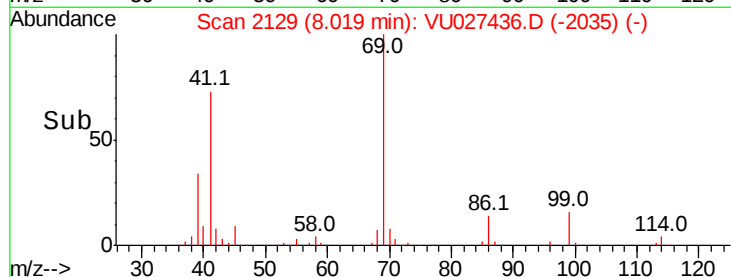
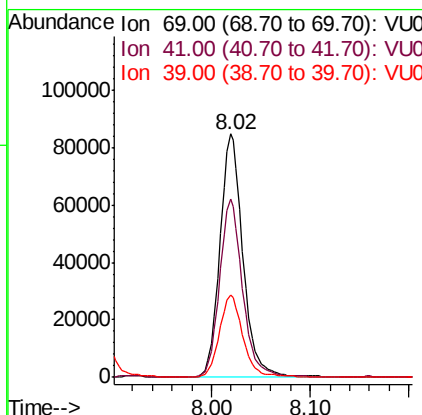
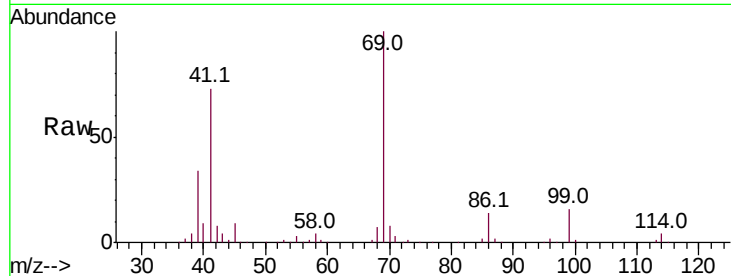
#56
Ethyl methacrylate
Concen: 44.490 ug/l
RT: 8.02 min Scan# 2129
Delta R.T. 0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion	Ratio	Resp	Lower	Upper
69	100			
41	73.6	60.0	90.0	
39	34.1	29.5	44.3	

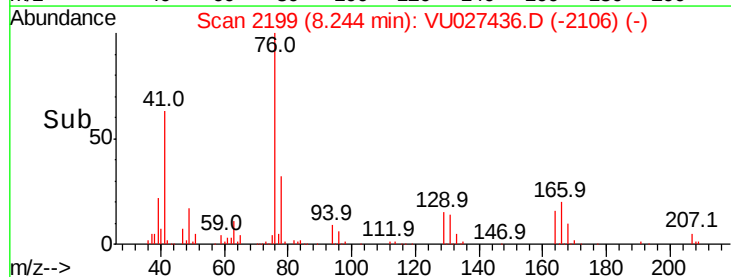
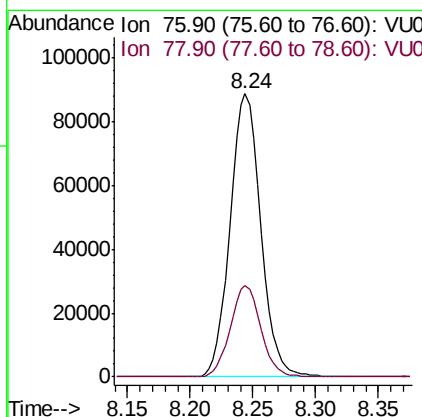
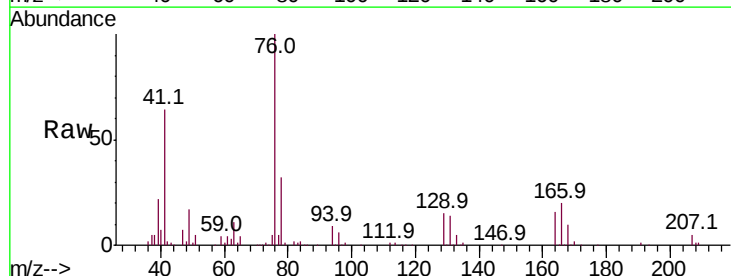
Manual Integrations
APPROVED

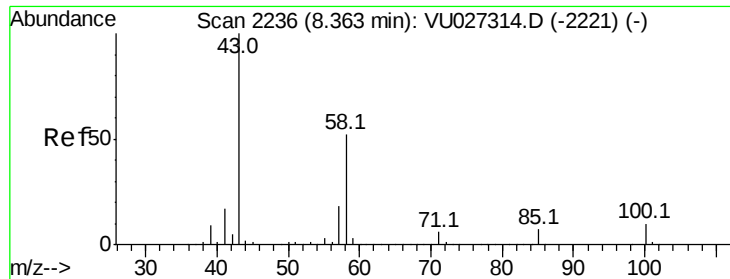
MMDadoda
10/8/2018 1:52:40 PM



#57
1,3-Dichloropropane
Concen: 47.359 ug/l
RT: 8.24 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
76	100			
78	32.1	25.8	38.6	





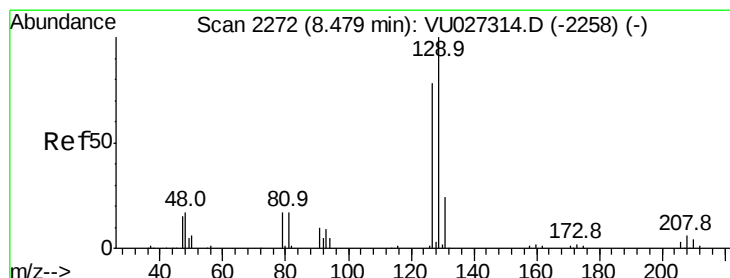
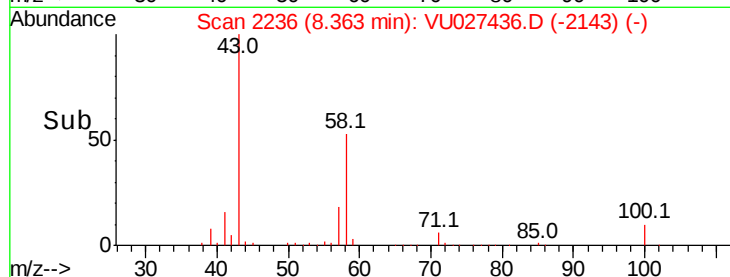
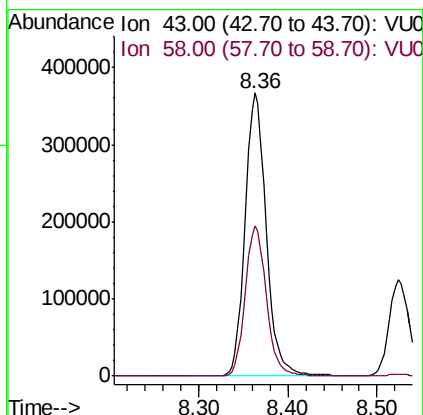
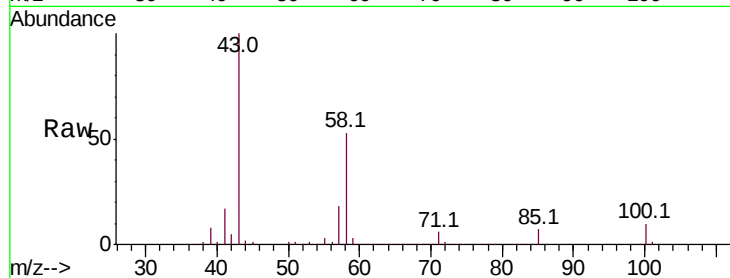
#59
2-Hexanone
Concen: 249.495 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion: 43 Resp: 605133
Ion Ratio Lower Upper
43 100
58 53.4 26.1 78.3

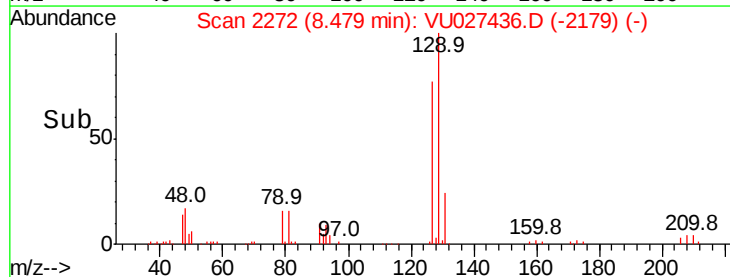
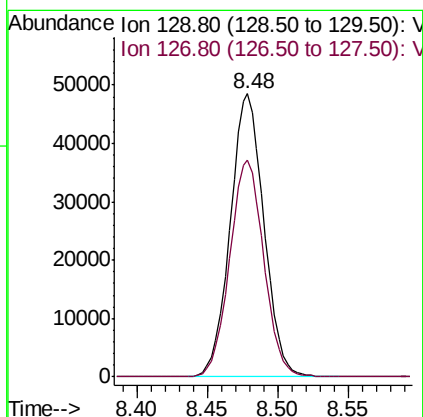
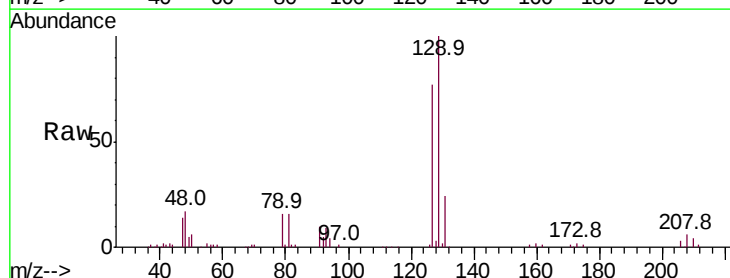
Manual Integrations
APPROVED

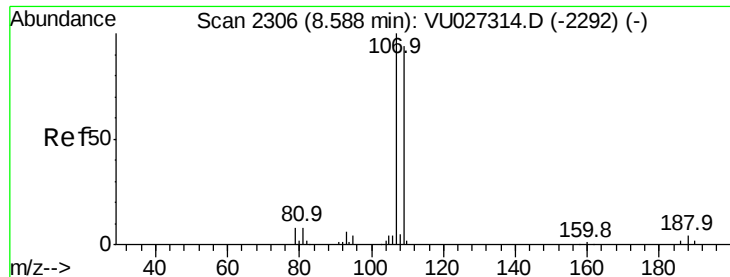
MMDadoda
10/8/2018 1:52:40 PM



#60
Dibromochloromethane
Concen: 49.277 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion: 129 Resp: 80986
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2





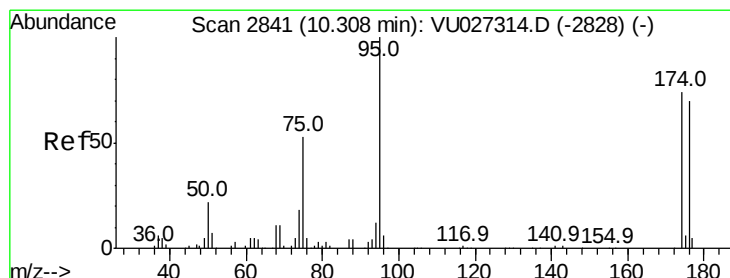
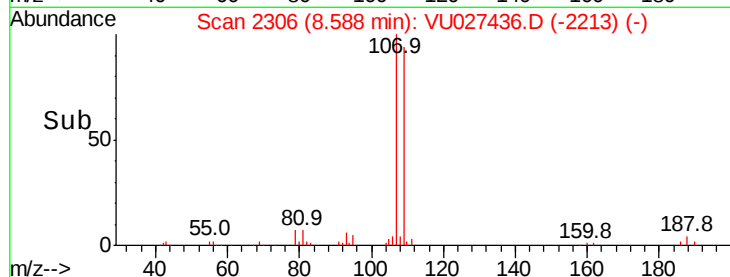
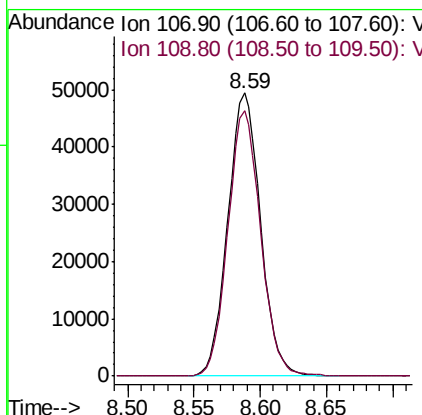
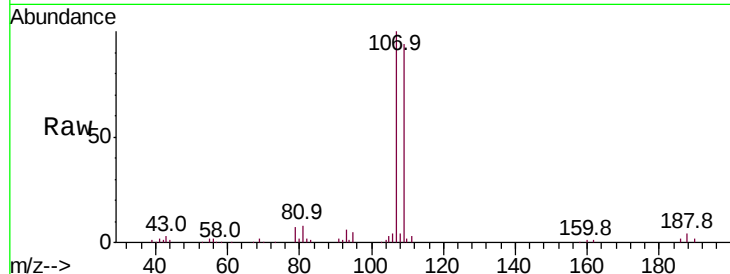
#61
 1,2-Dibromoethane
 Concen: 48.627 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MS

Tot Ion:107 Resp: 84721
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.5 111.7

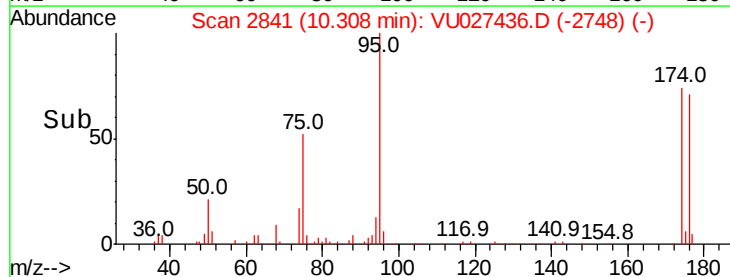
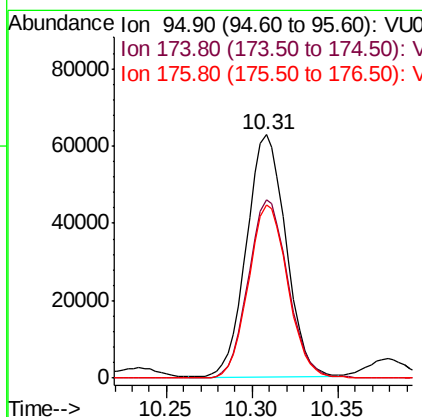
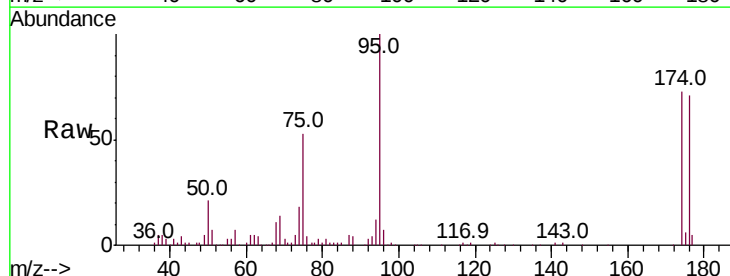
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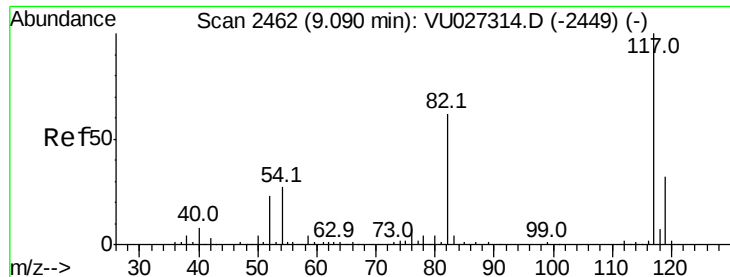
MMDadoda
 10/8/2018 1:52:40 PM



#62
 4-Bromofluorobenzene
 Concen: 47.629 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Tgt Ion: 95 Resp: 100237
 Ion Ratio Lower Upper
 95 100
 174 73.7 0.0 147.8
 176 70.9 0.0 140.8





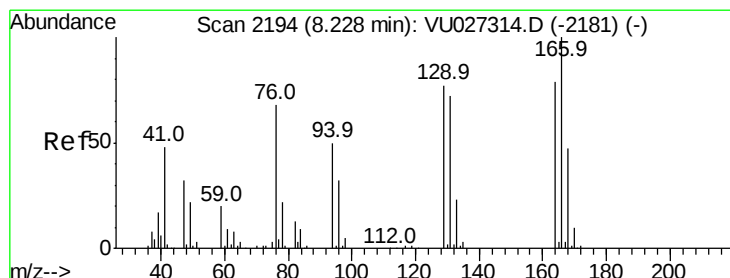
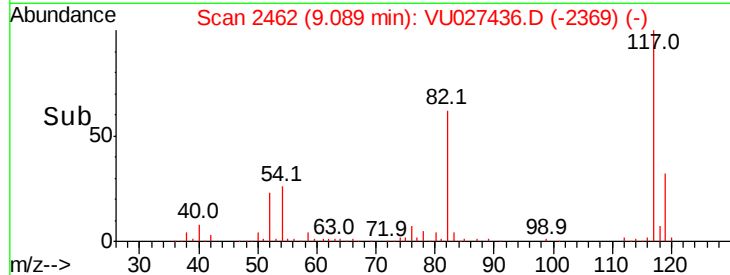
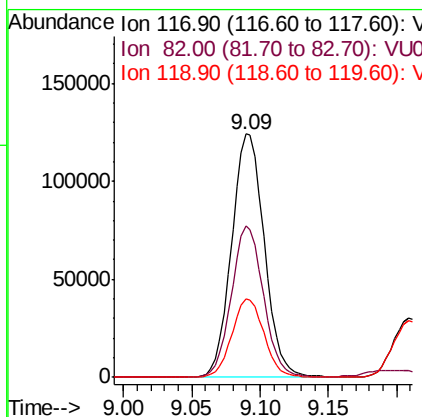
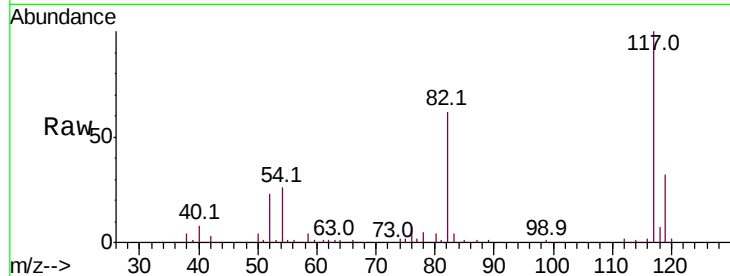
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion:	117	Resp:	207101
Ion Ratio	Lower	Upper	
117	100		
82	61.8	49.2	73.8
119	32.2	25.7	38.5

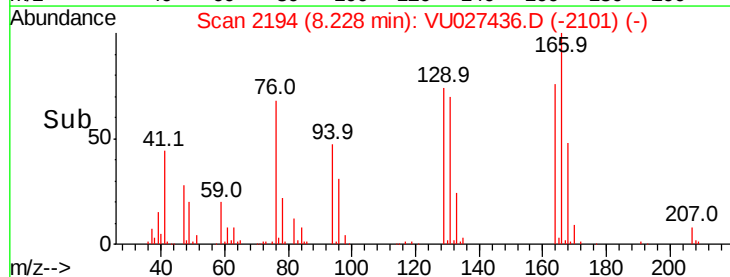
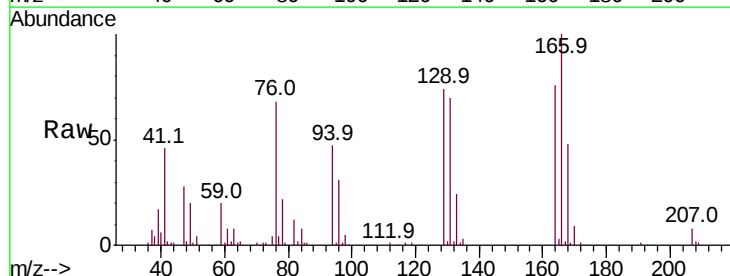
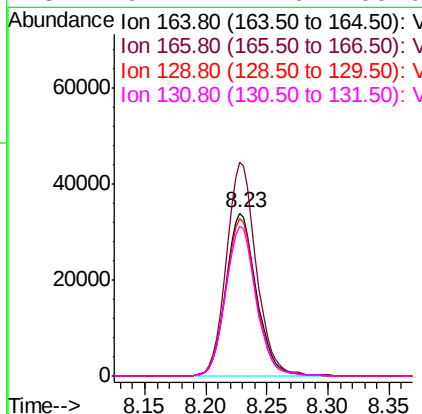
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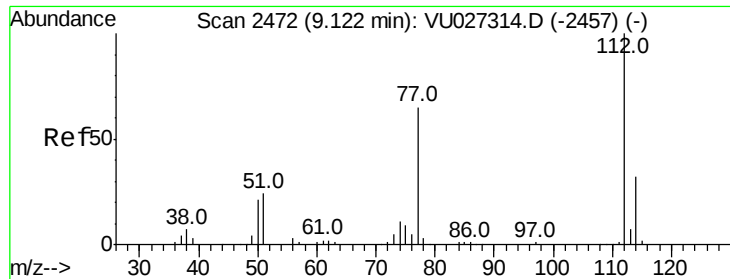
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10/8/2018 1:52:40 PM



#64
Tetrachloroethene
Concen: 46.008 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion:	164	Resp:	59315
Ion Ratio	Lower	Upper	
164	100		
166	131.1	101.0	151.6
129	96.4	78.0	117.0
131	92.2	72.6	109.0





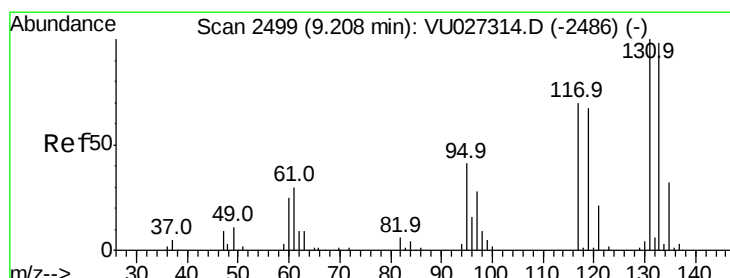
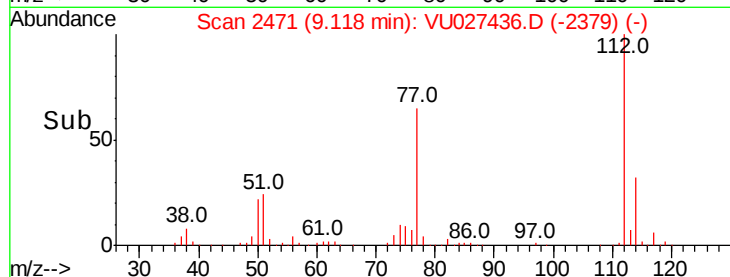
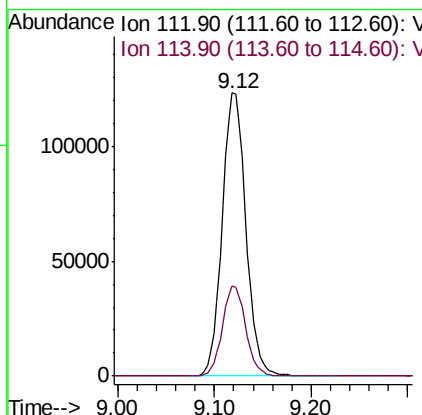
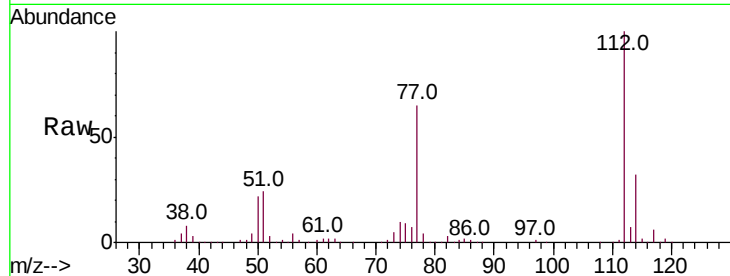
#65
Chlorobenzene
Concen: 48.105 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion:112 Resp: 209706
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6

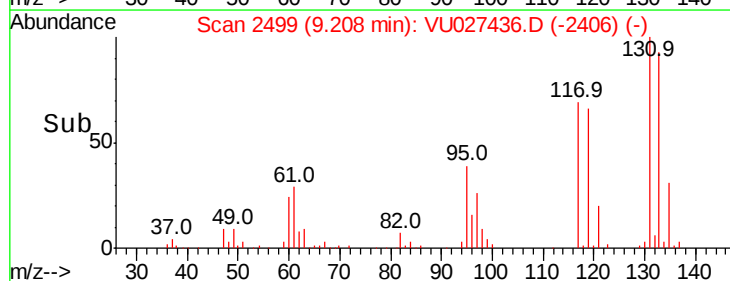
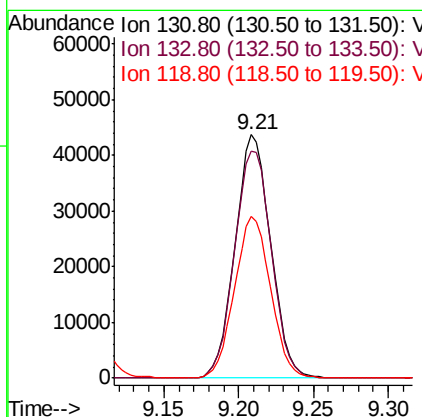
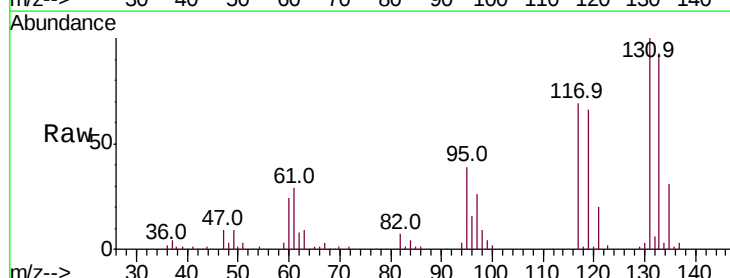
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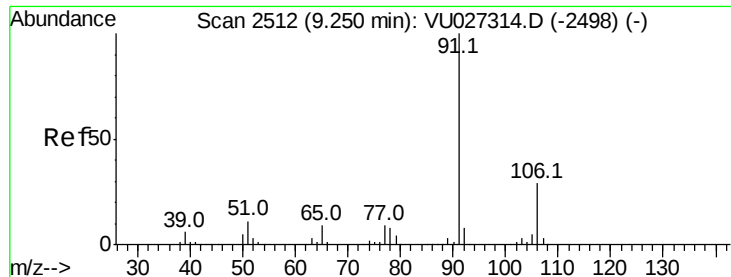
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.191 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion:131 Resp: 72523
Ion Ratio Lower Upper
131 100
133 96.6 48.5 145.6
119 67.1 33.5 100.4





#67

Ethyl Benzene

Concen: 48.684 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MS

Tot Ion: 91 Resp: 376011

Ion Ratio Lower Upper

91 100

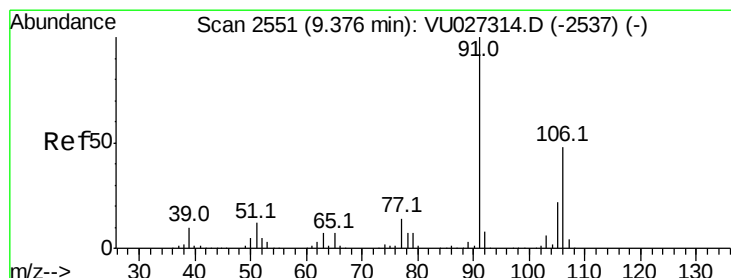
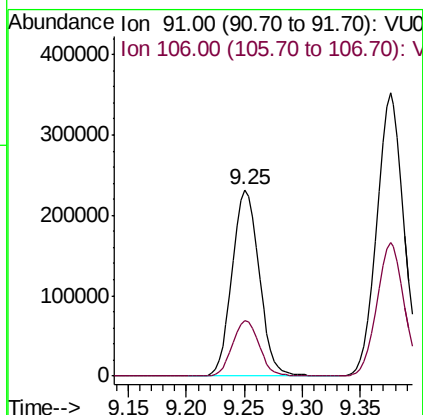
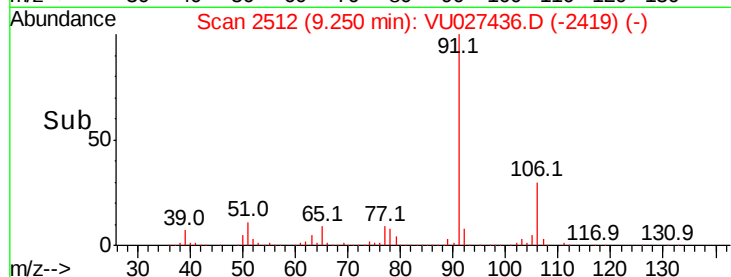
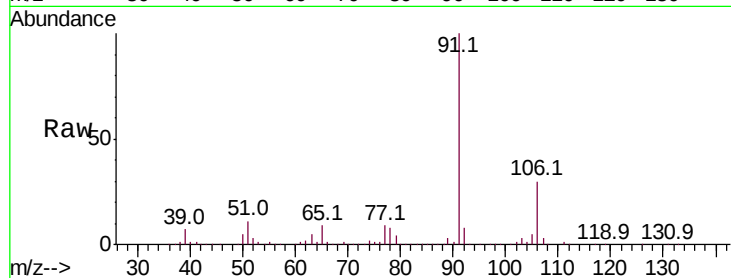
106 29.7 23.6 35.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 98.127 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027436.D

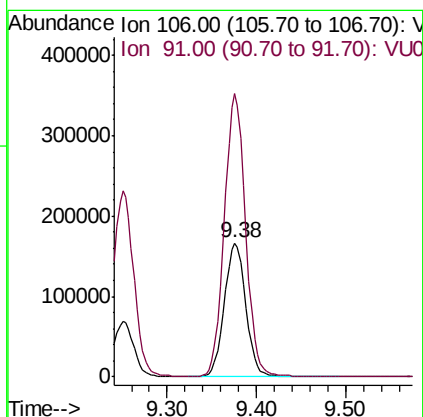
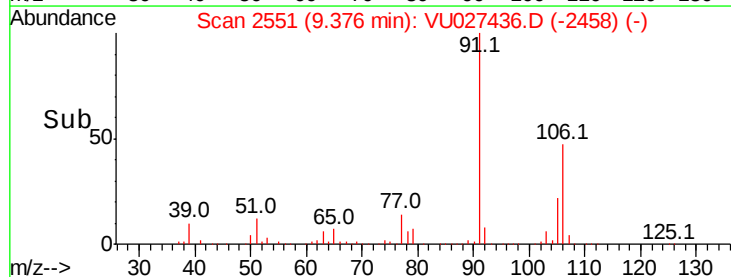
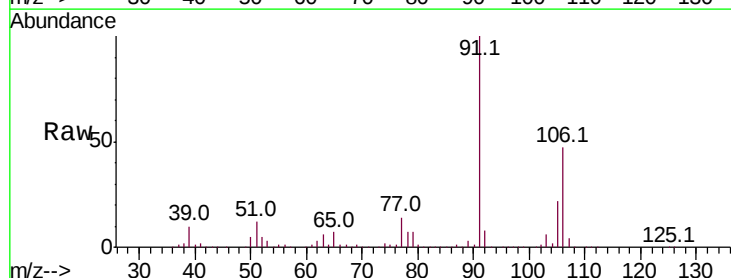
Acq: 05 Oct 2018 02:13

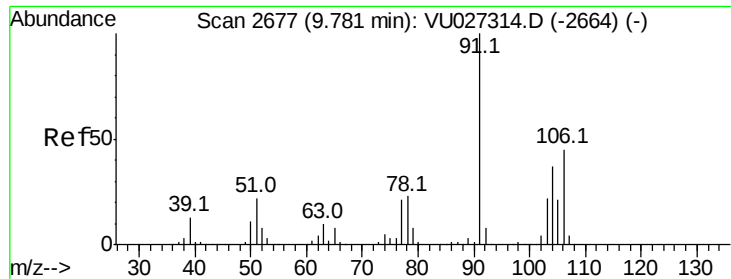
Tgt Ion: 106 Resp: 277222

Ion Ratio Lower Upper

106 100

91 209.4 168.1 252.1





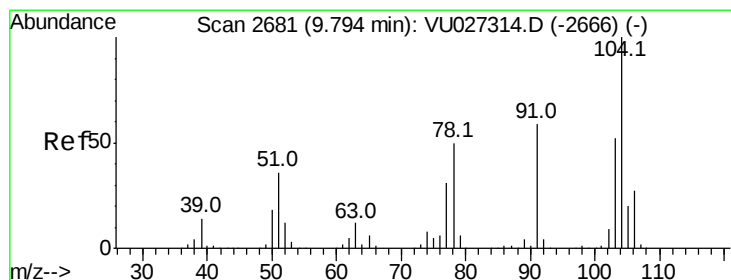
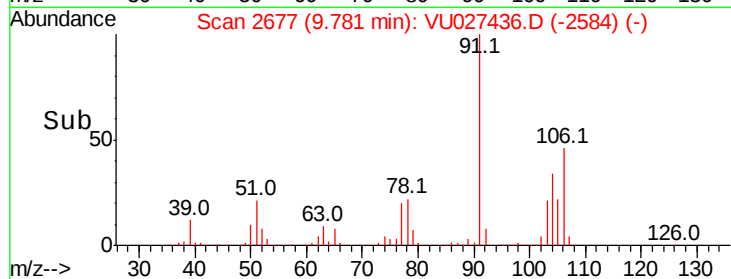
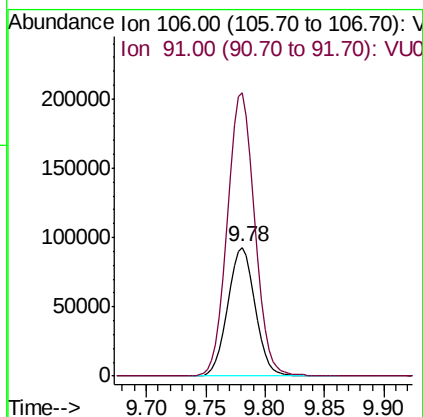
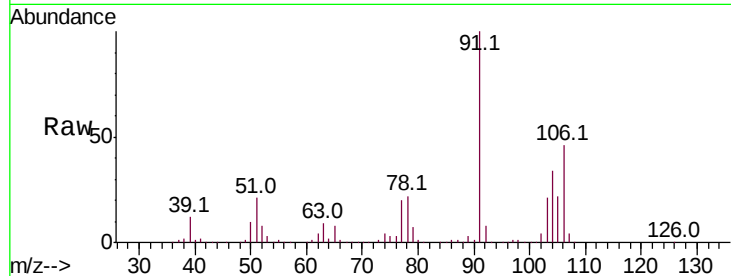
#69
o-Xylene
Concen: 55.087 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion:106 Resp: 147892
Ion Ratio Lower Upper
106 100
91 220.4 111.7 334.9

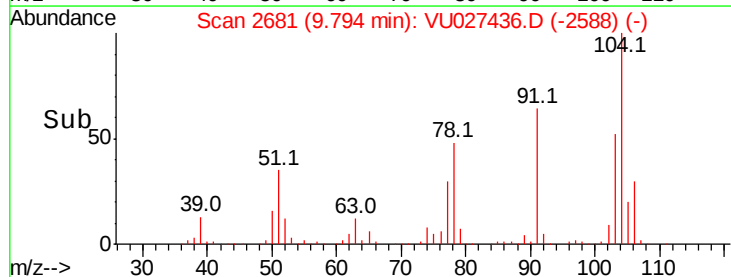
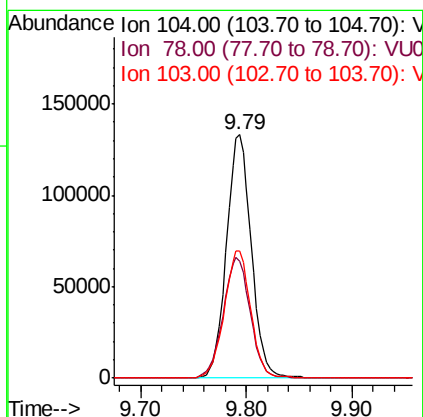
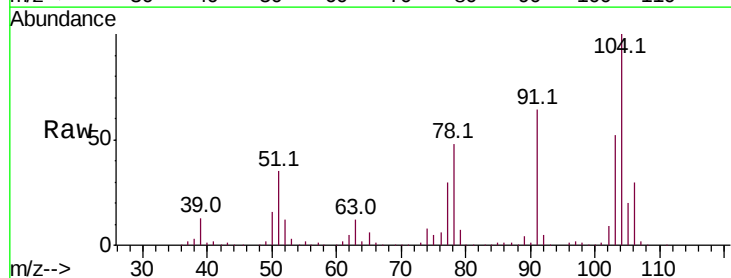
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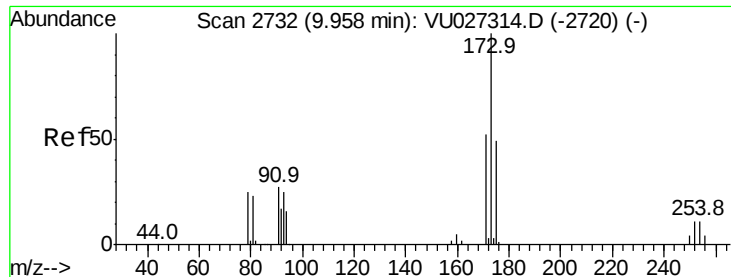
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#70
Styrene
Concen: 43.431 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion:104 Resp: 216369
Ion Ratio Lower Upper
104 100
78 54.0 42.9 64.3
103 55.7 43.9 65.9





#71

Bromoform

Concen: 49.471 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

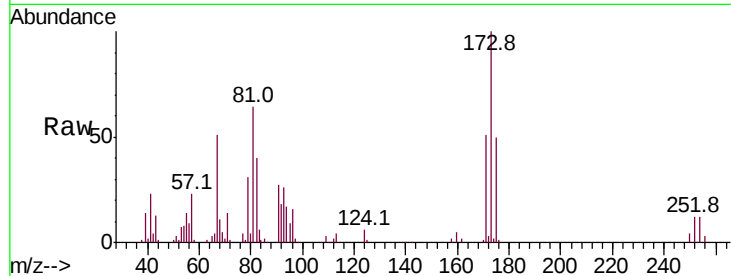
ClientSampleId :

EP-MW-H-092718MS

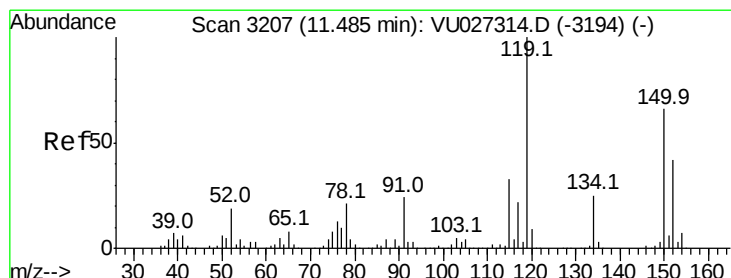
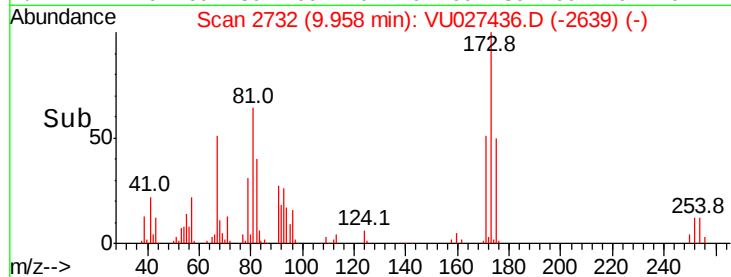
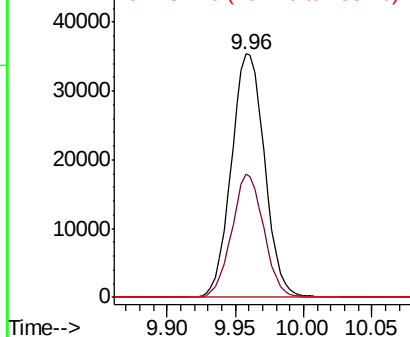
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	73.0
254	0.0	0.0	0.0

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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

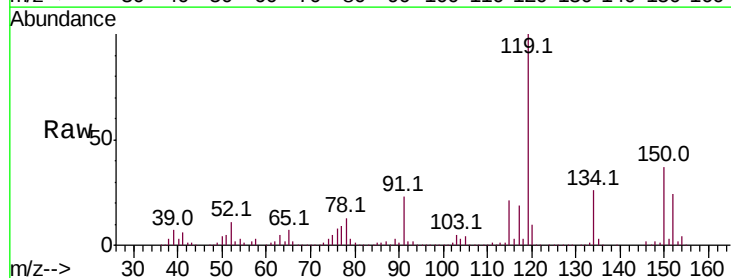
RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

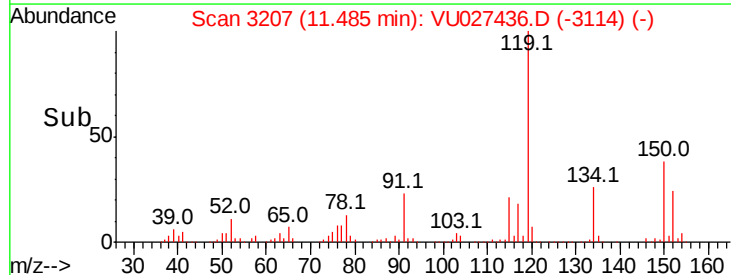
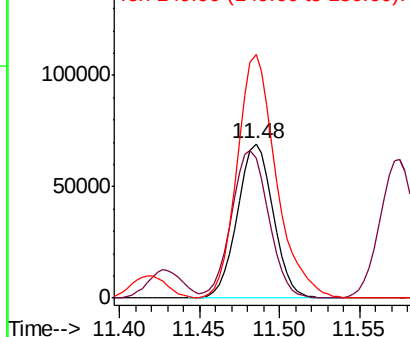
Lab File: VU027436.D

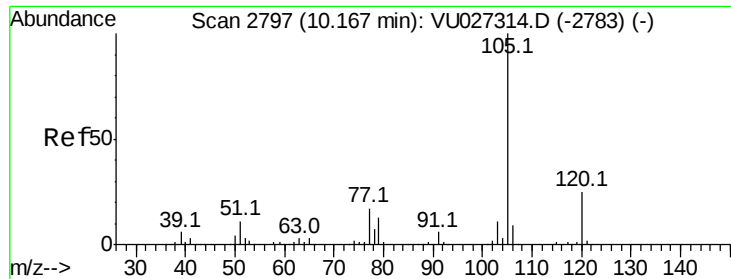
Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	99.9	43.4	130.2
150	172.8	0.0	349.2



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





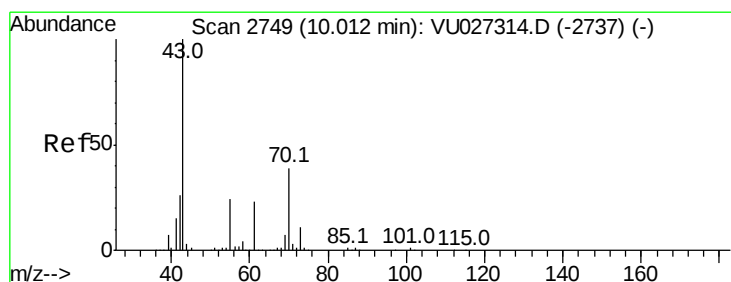
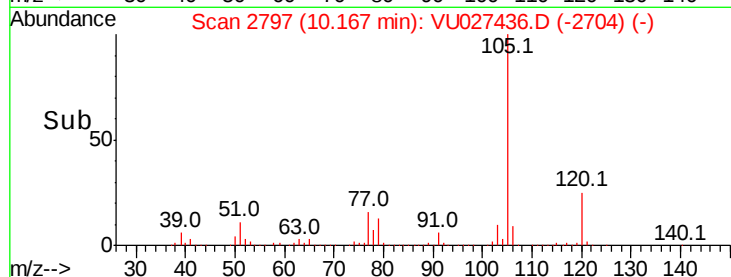
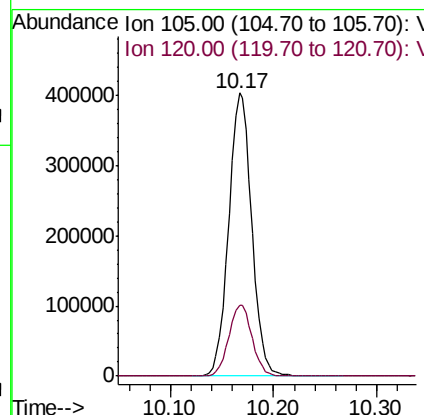
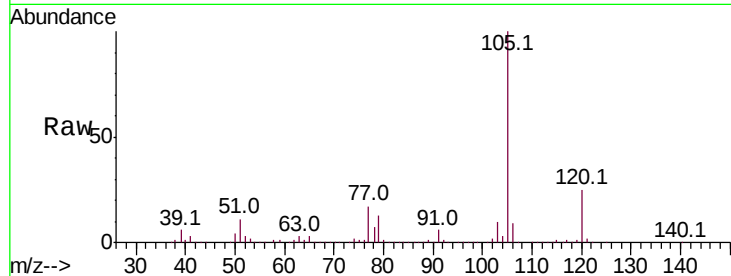
#73
Isopropylbenzene
Concen: 81.919 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.6	37.8

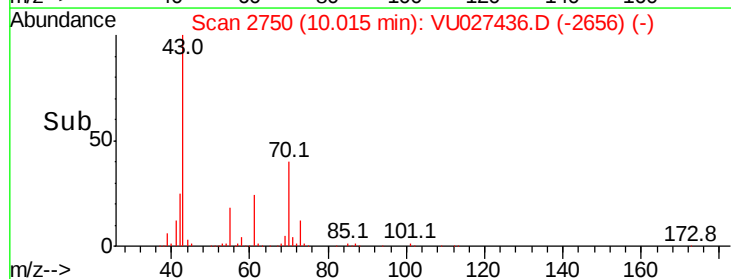
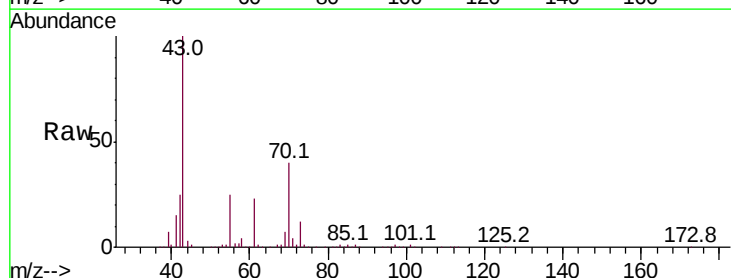
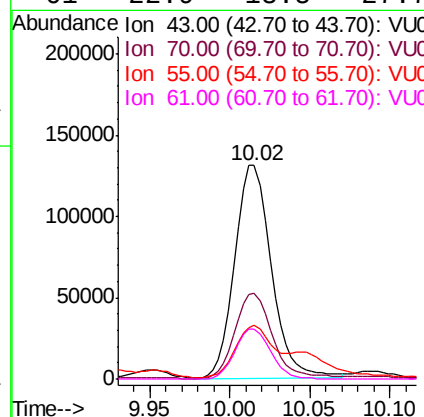
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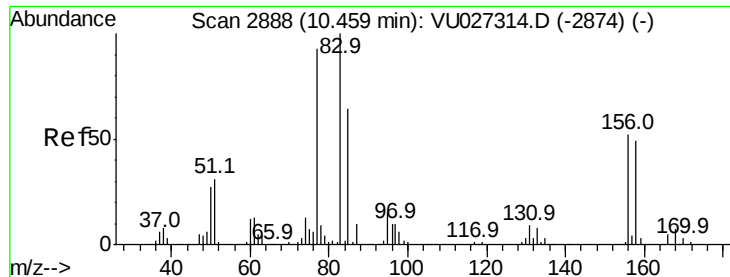
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#74
N-ethyl acetate
Concen: 47.178 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.3	31.3	46.9
55	25.1	19.0	28.6
61	22.9	18.5	27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.818 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

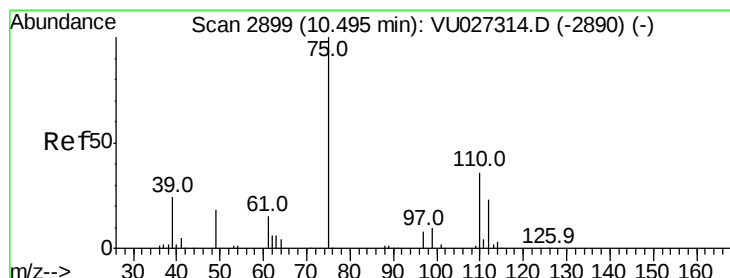
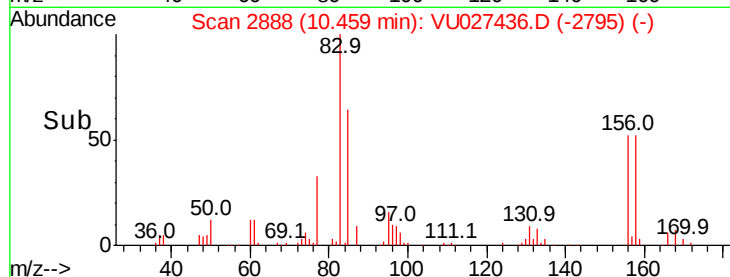
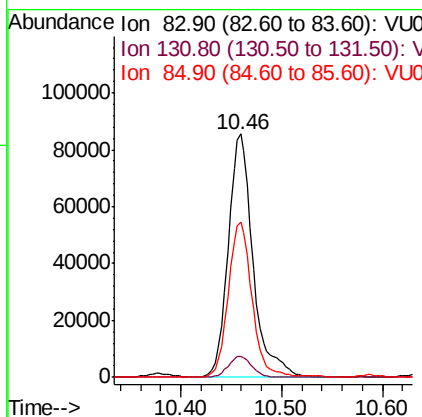
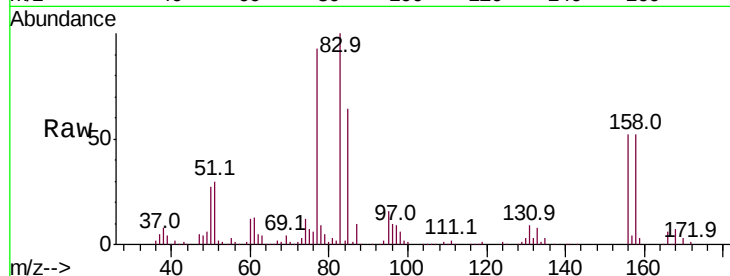
ClientSampleId :

EP-MW-H-092718MS

Tot Ion:	83	Resp:	146197
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.4	13.2
85	61.3	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 46.394 ug/l m

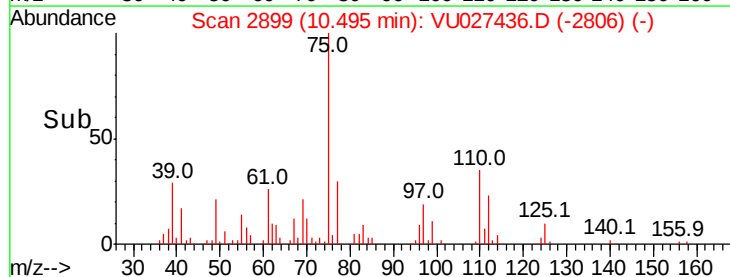
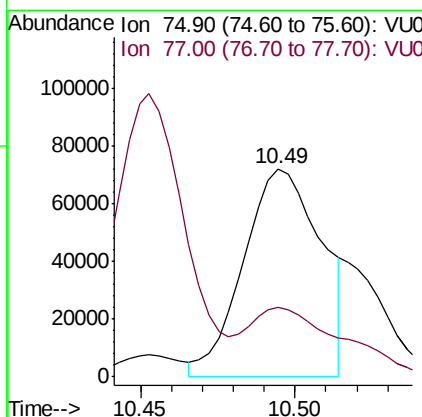
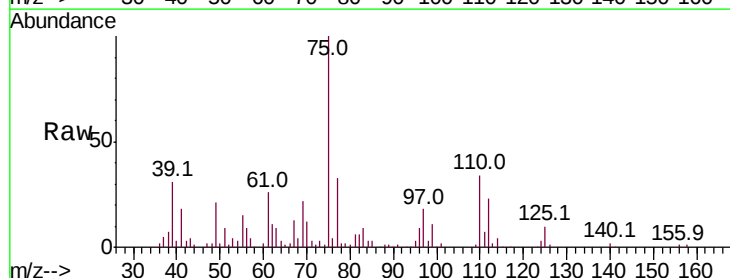
RT: 10.49 min Scan# 2899

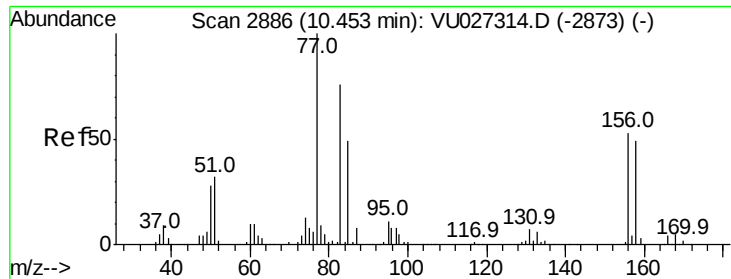
Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Tgt Ion:	75	Resp:	126291
Ion Ratio	Lower	Upper	
75	100		
77	40.6	20.3	60.9





#77

Bromobenzene

Concen: 46.928 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

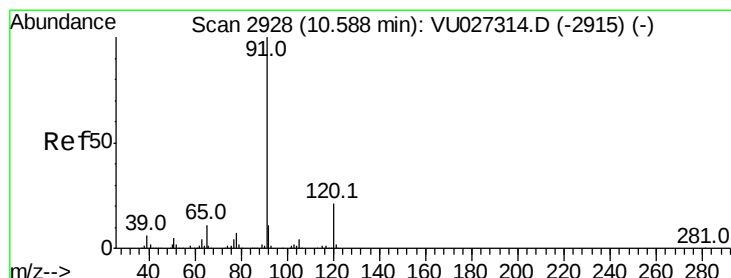
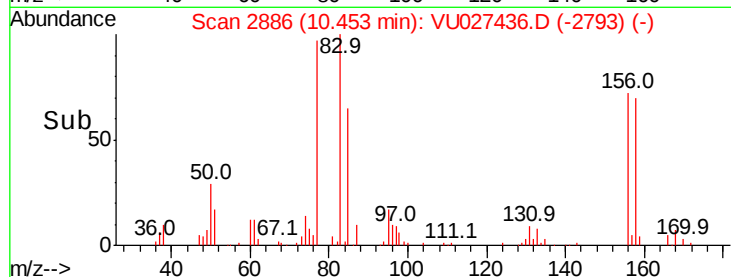
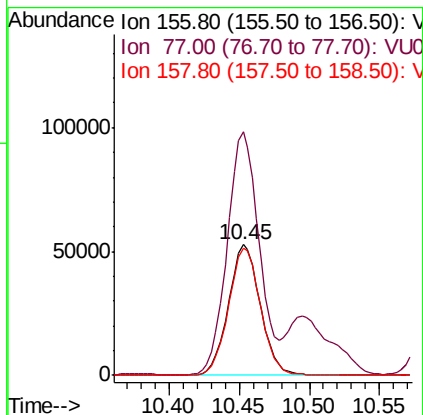
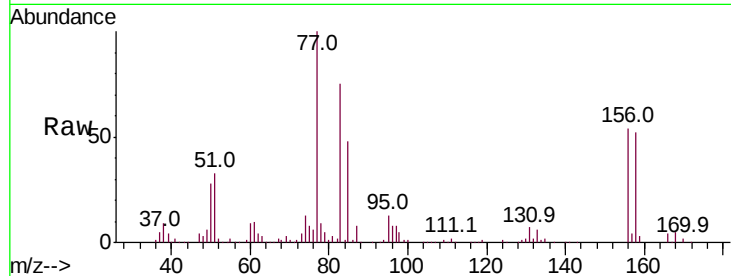
ClientSampleId :

EP-MW-H-092718MS

Tot Ion:	156	Resp:	83181
Ion Ratio	Lower	Upper	
156	100		
77	187.3	94.8	284.4
158	97.9	47.4	142.3

Manual Integrations
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10/8/2018 1:52:40 PM



#78

n-propylbenzene

Concen: 108.369 ug/l

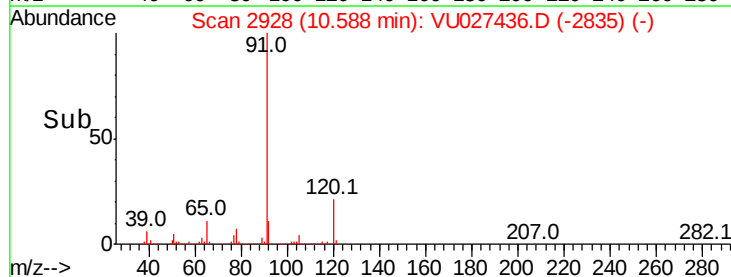
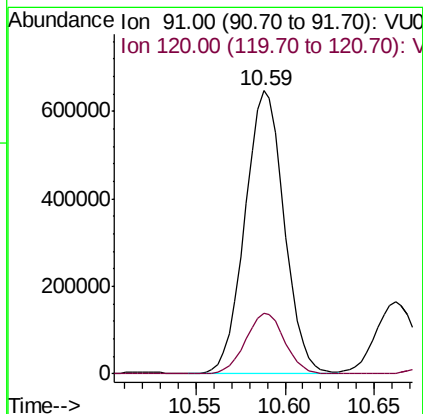
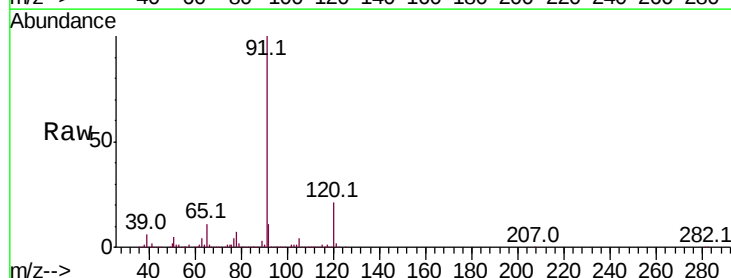
RT: 10.59 min Scan# 2928

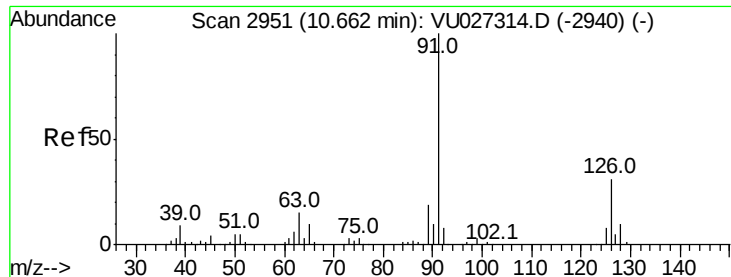
Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Tgt Ion:	91	Resp:	993165
Ion Ratio	Lower	Upper	
91	100		
120	21.3	10.6	31.8





#79

2-Chlorotoluene

Concen: 44.799 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MS

Tot Ion: 91 Resp: 247894

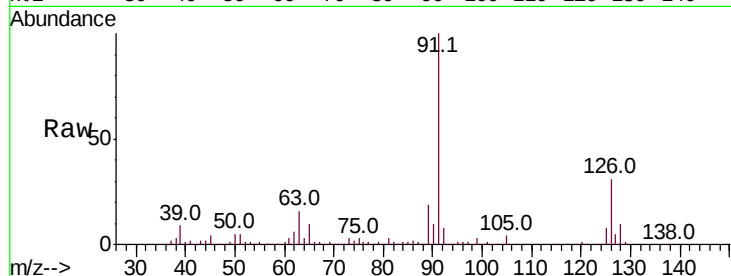
Ion Ratio Lower Upper

91 100

126 32.3 15.7 47.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027314.D (-2940) (-)

600000

500000

400000

300000

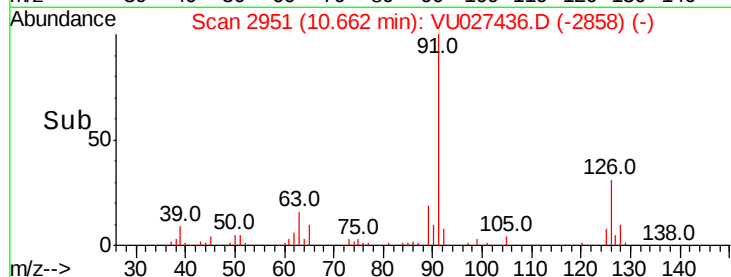
200000

100000

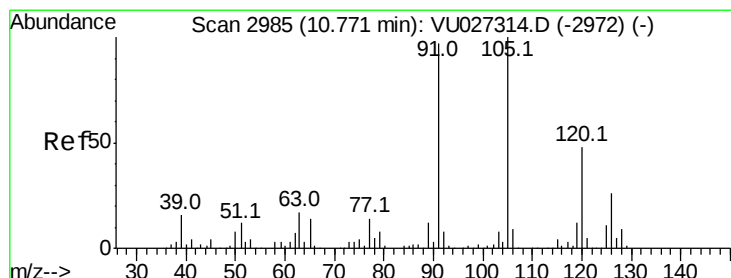
0

10.60 10.65 10.70

10.66



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 88.038 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027436.D

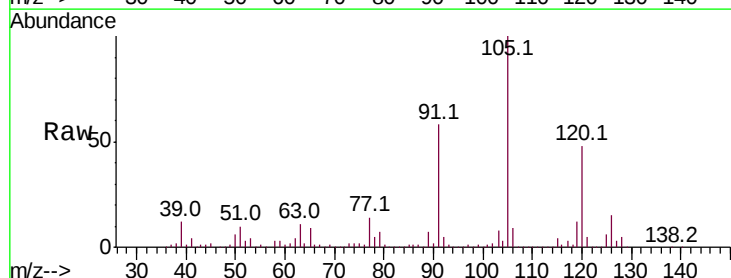
Acq: 05 Oct 2018 02:13

Tgt Ion:105 Resp: 546666

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027314.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027314.D (-2972) (-)

400000

300000

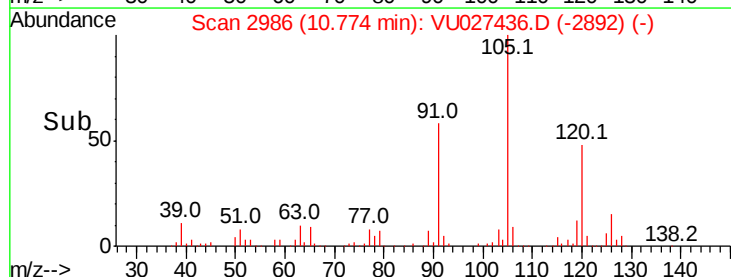
200000

100000

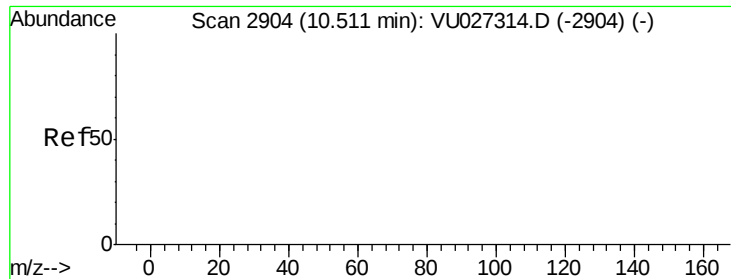
0

10.70 10.80 10.90

10.77



Time-->



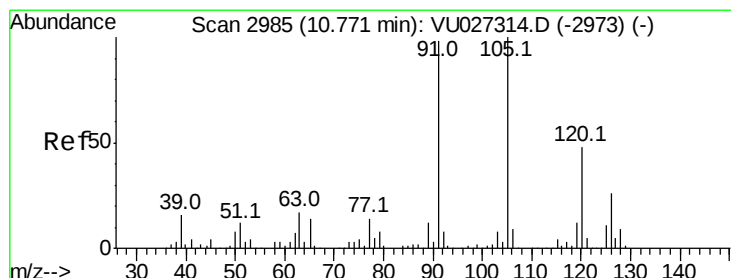
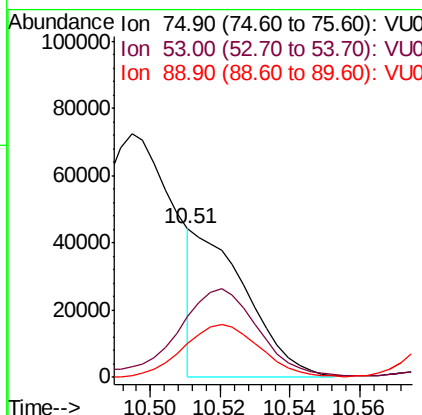
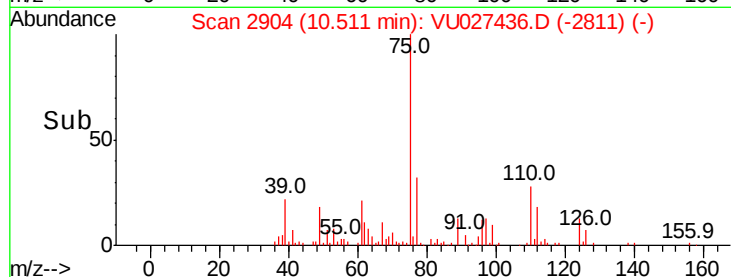
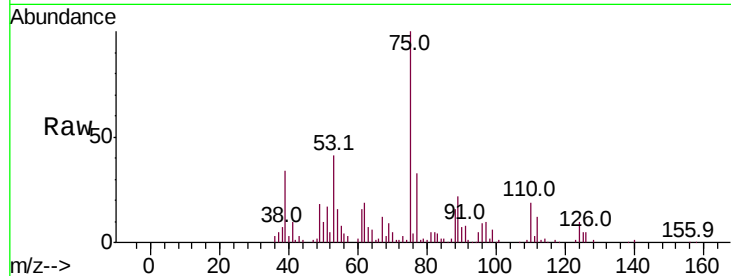
#81
trans-1,4-Dichloro-2-butene
Concen: 44.076 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

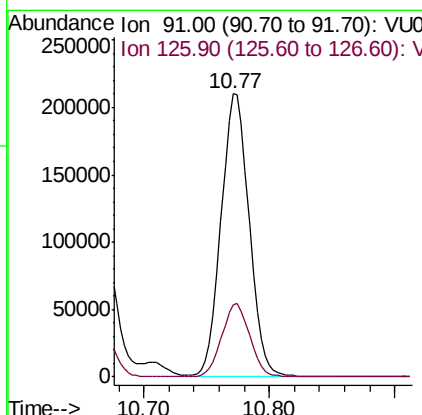
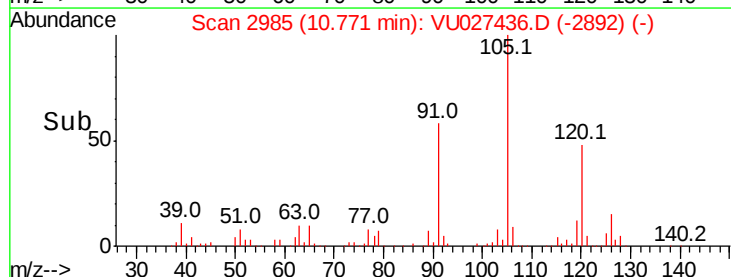
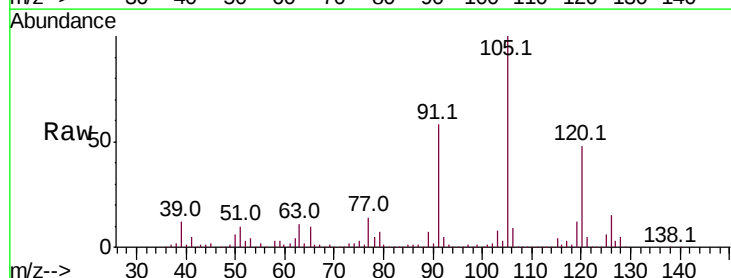
Manual Integrations
APPROVED

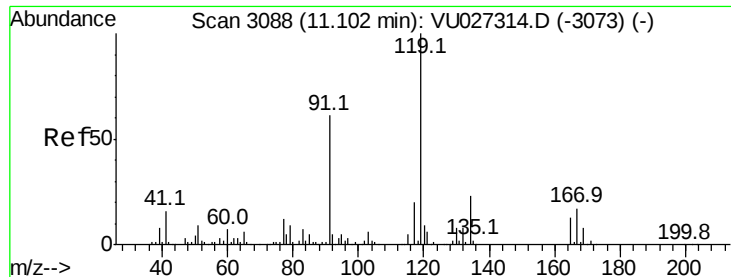
MMDadoda
10/8/2018 1:52:40 PM



#82
4-Chlorotoluene
Concen: 51.711 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	26.0	13.6	40.8





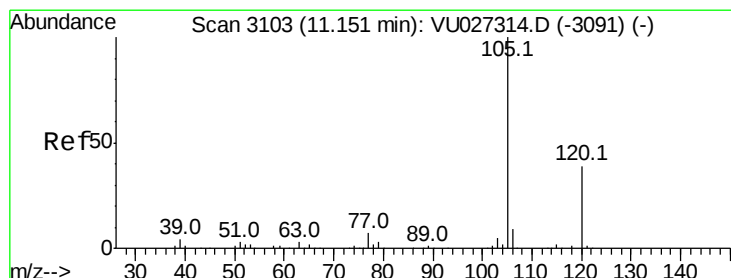
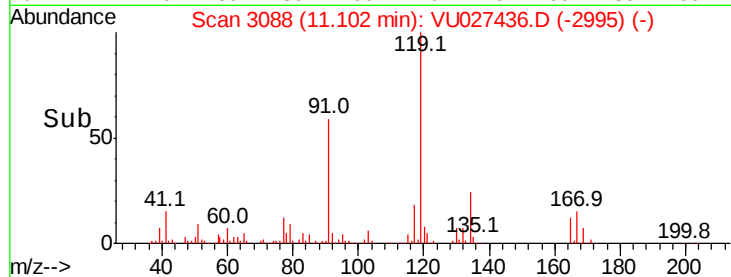
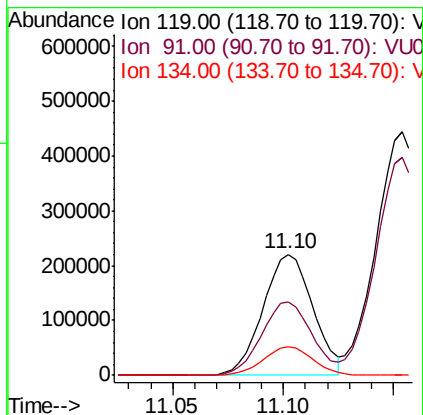
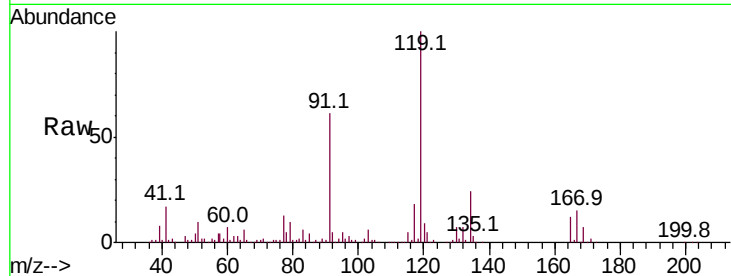
#83
tert-Butylbenzene
Concen: 57.543 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.6	30.3	91.0
134	23.6	11.5	34.4

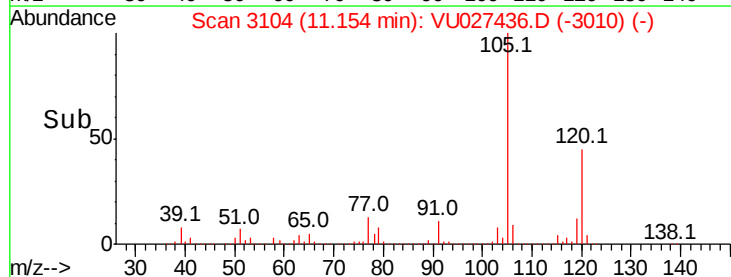
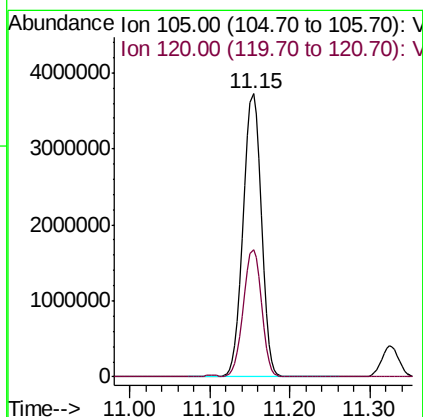
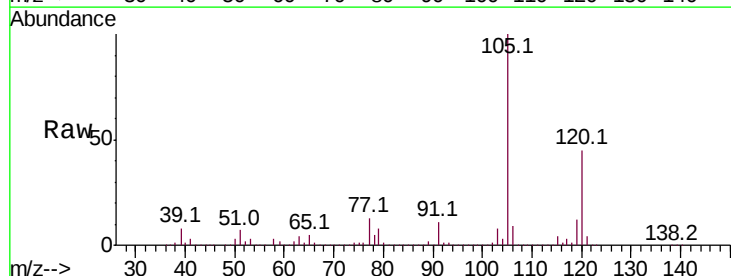
Manual Integrations
APPROVED

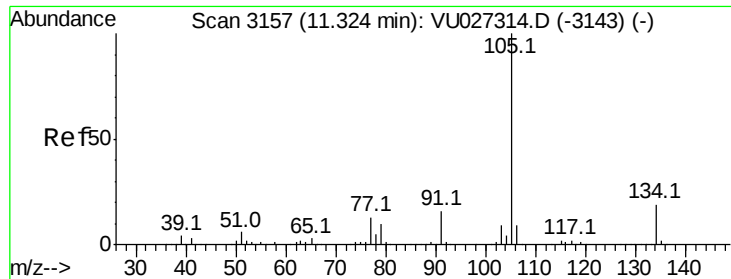
MMDadoda
10/8/2018 1:52:40 PM



#84
1,2,4-Trimethylbenzene
Concen: 885.340 ug/l
RT: 11.15 min Scan# 3104
Delta R.T. 0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 81.451 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MS

Tot Ion:105 Resp: 616052

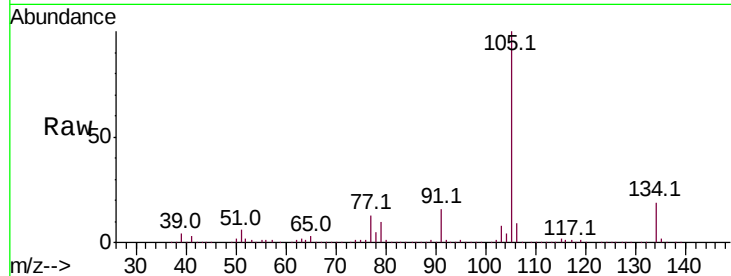
Ion Ratio Lower Upper

105 100

134 19.5 9.6 28.6

Manual Integrations
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10/8/2018 1:52:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

400000

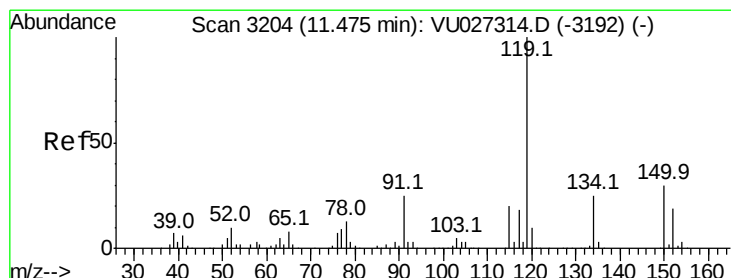
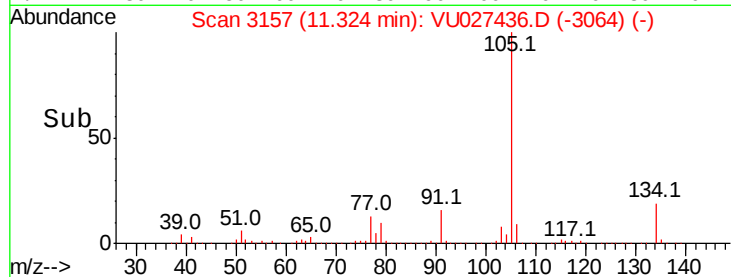
300000

200000

100000

0

Time--> 11.20 11.30 11.40



#86

p-Isopropyltoluene

Concen: 89.173 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

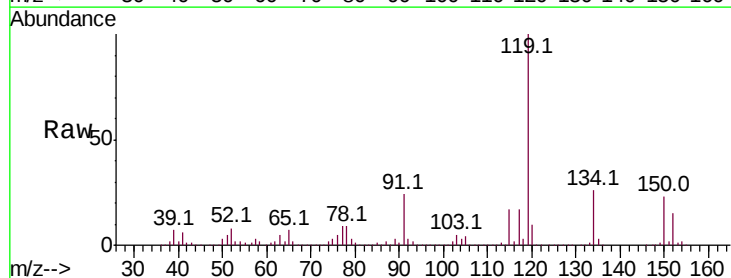
Tgt Ion:119 Resp: 577471

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

91 24.0 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

500000

400000

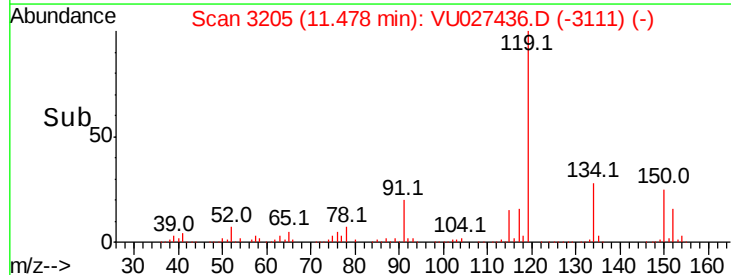
300000

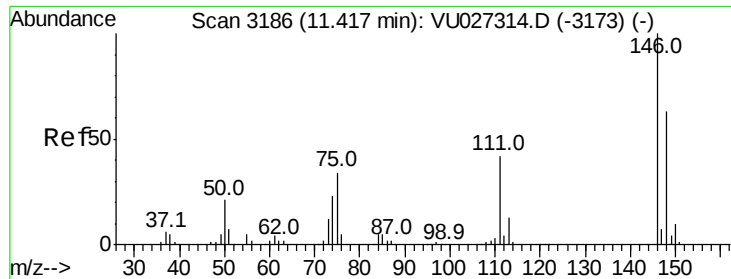
200000

100000

0

Time--> 11.45 11.50 11.55





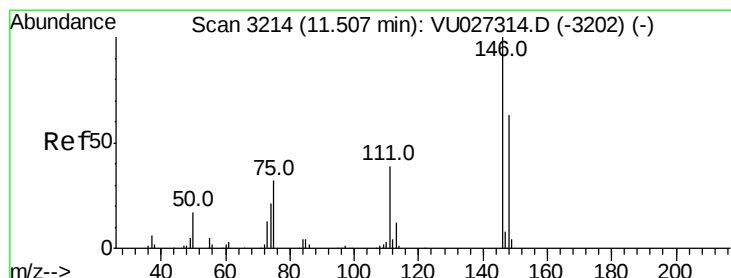
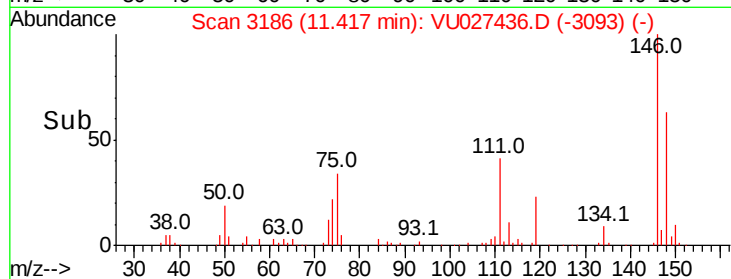
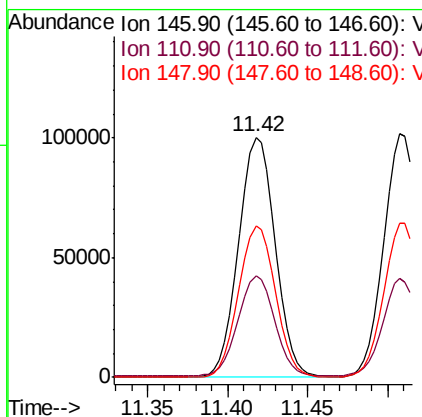
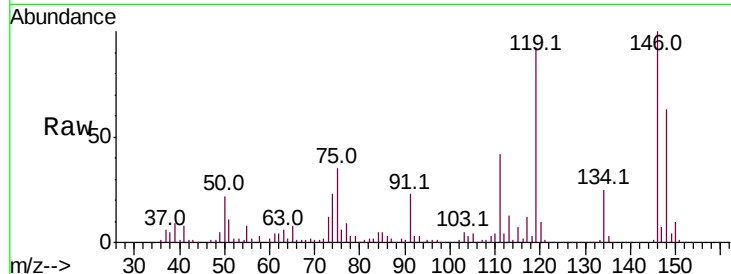
#87
 1,3-Dichlorobenzene
 Concen: 46.669 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.8	62.5
148	63.7	31.6	94.8

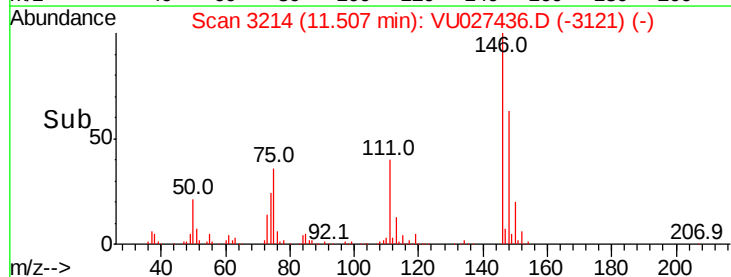
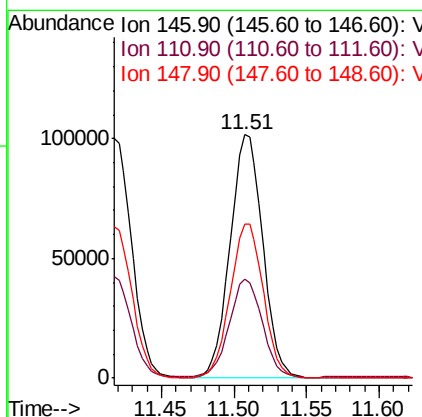
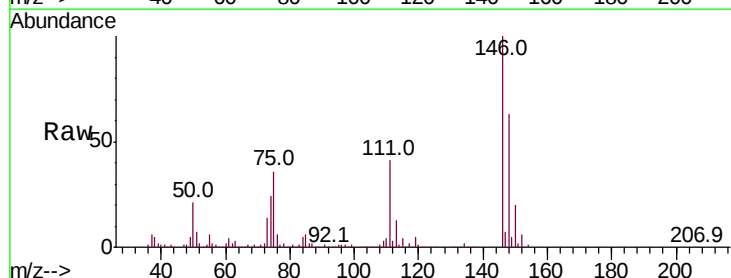
Manual Integrations
 APPROVED

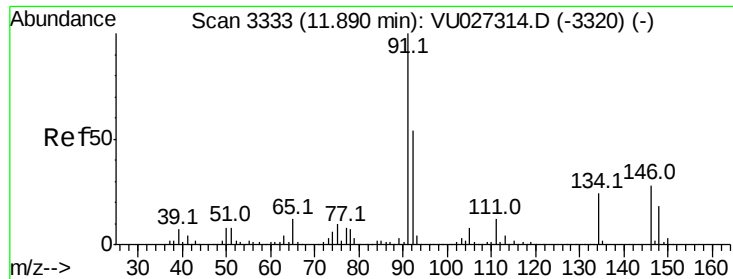
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 10/8/2018 1:52:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.288 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.4	61.2
148	64.0	31.9	95.5





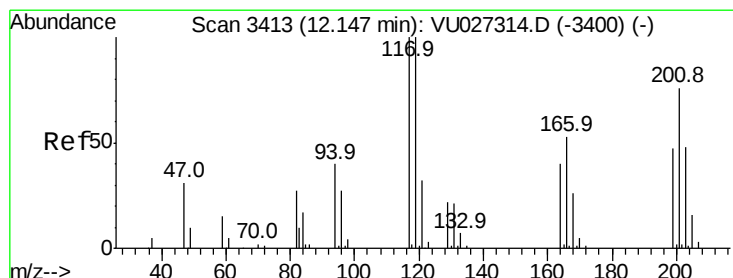
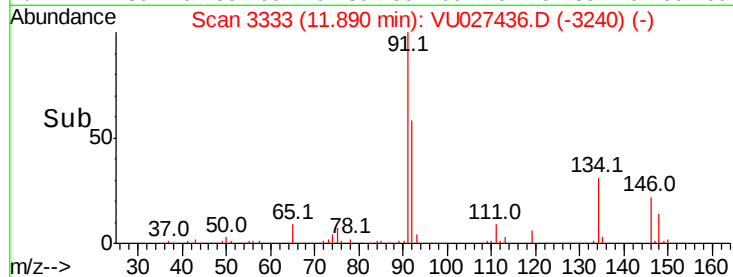
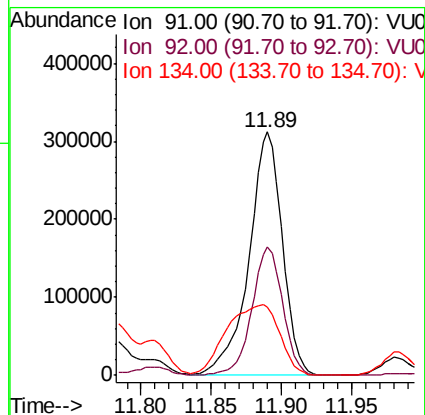
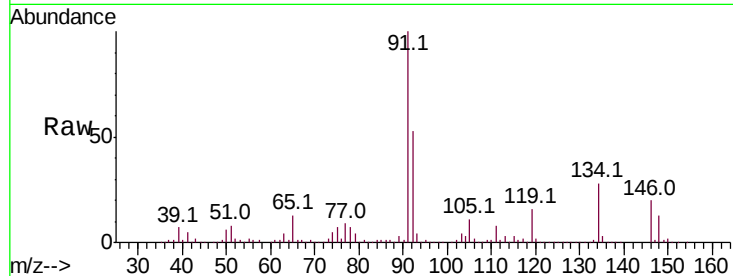
#89
n-Butylbenzene
Concen: 74.292 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	48.6	27.0	81.0	
134	46.0	11.7	35.1	

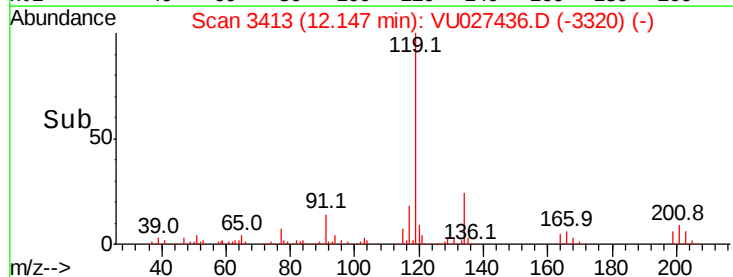
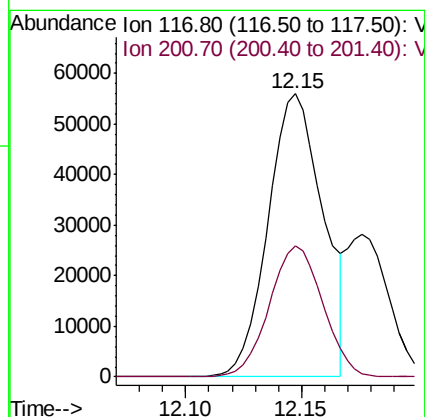
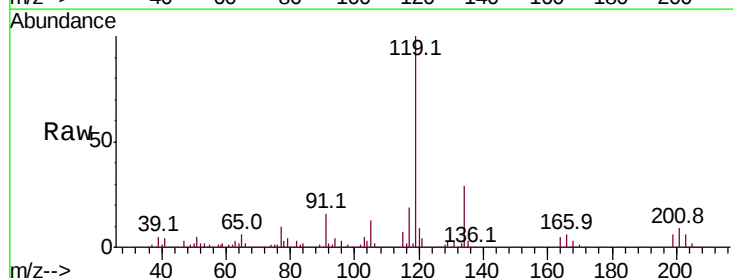
Manual Integrations
APPROVED

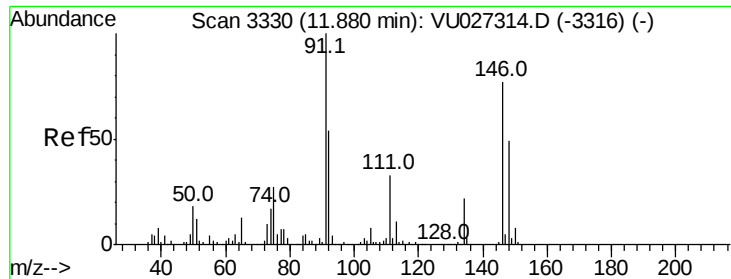
MMDadoda
10/8/2018 1:52:40 PM



#90
Hexachloroethane
Concen: 75.732 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	45.0	37.9	113.6	





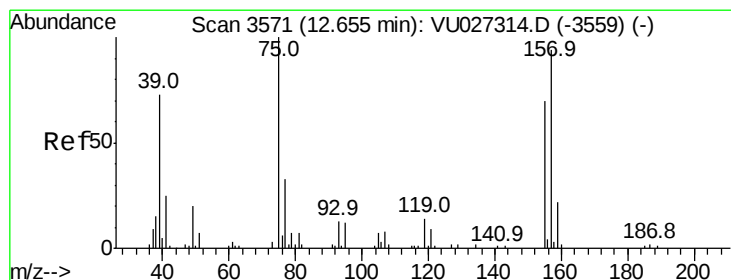
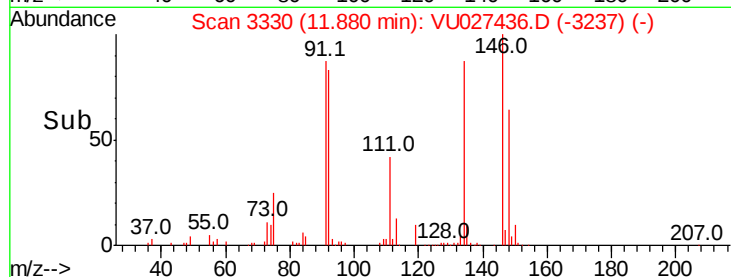
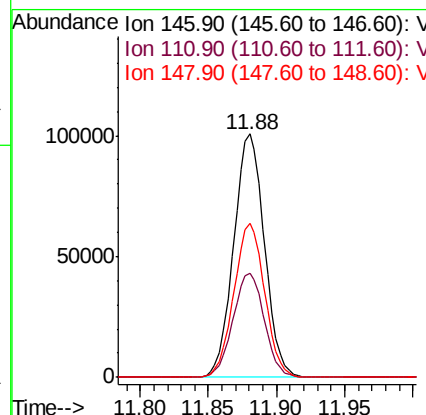
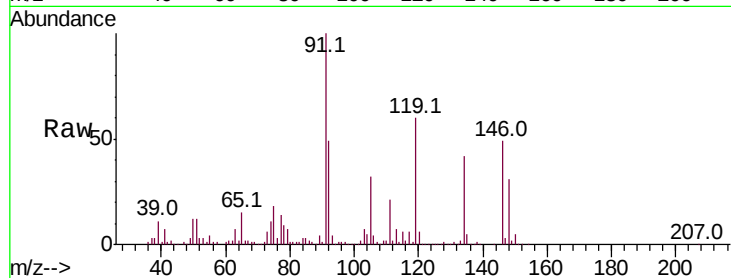
#91
1,2-Dichlorobenzene
Concen: 48.107 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.3	21.8	65.4	
148	63.4	31.9	95.5	

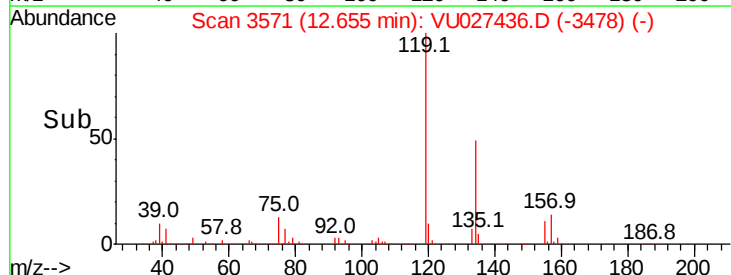
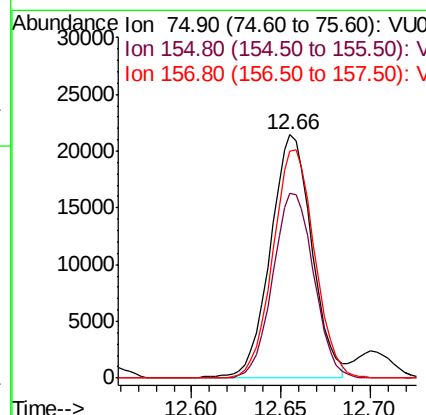
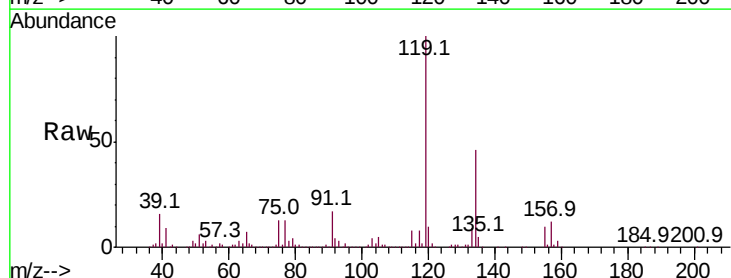
Manual Integrations
APPROVED

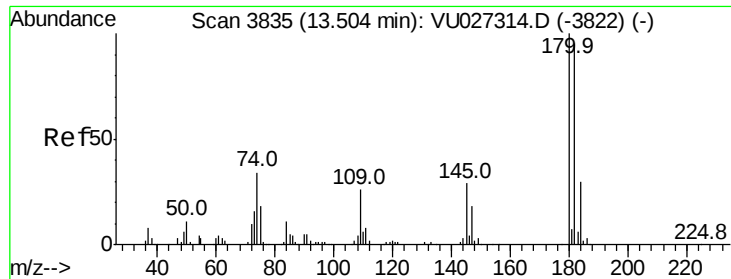
MMDadoda
10/8/2018 1:52:40 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 52.511 ug/l
RT: 12.66 min Scan# 3571
Delta R.T. -0.00 min
Lab File: VU027436.D
Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	74.9	35.9	107.8	
157	94.3	46.9	140.6	





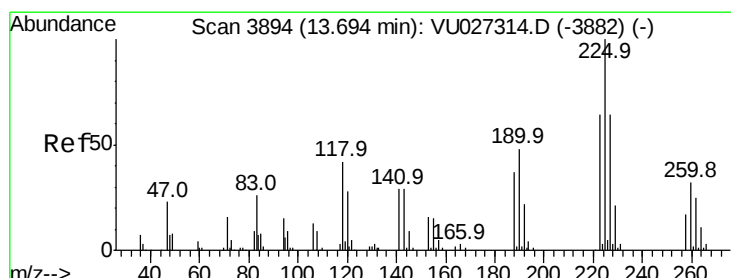
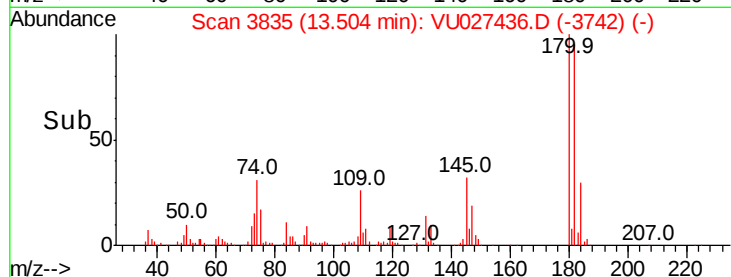
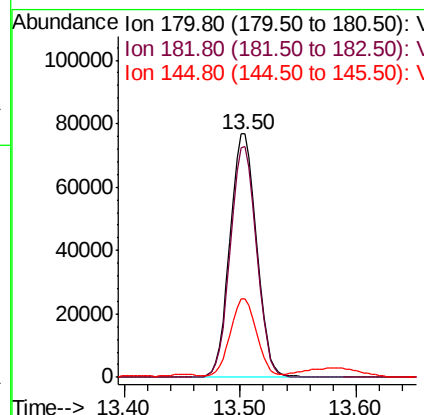
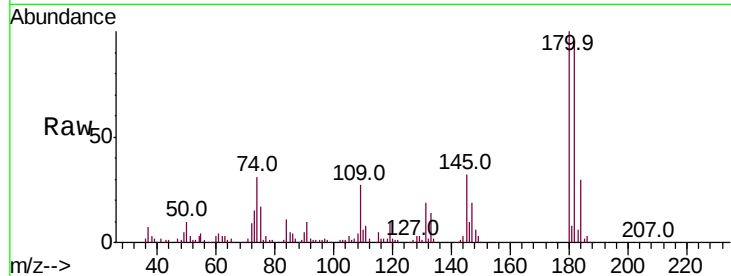
#93
 1,2,4-Trichlorobenzene
 Concen: 57.446 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.7	47.4	142.3	
145	31.7	14.6	44.0	

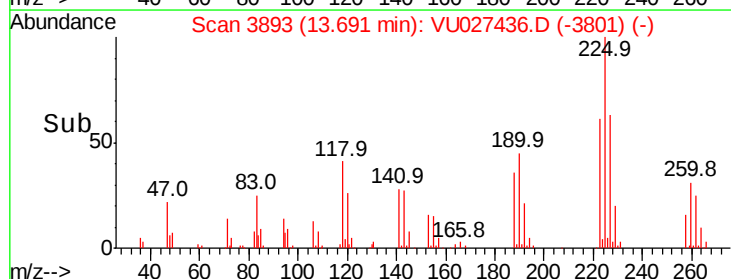
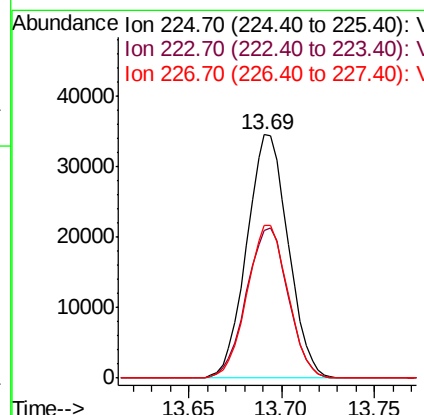
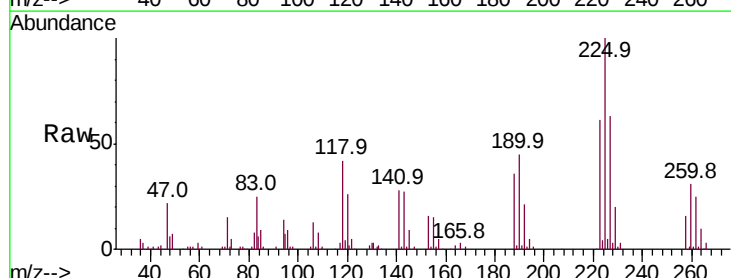
Manual Integrations
 APPROVED

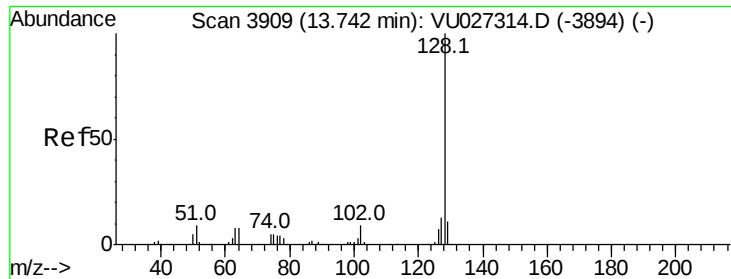
MMDadoda
 10/8/2018 1:52:40 PM



#94
 Hexachlorobutadiene
 Concen: 50.111 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027436.D
 Acq: 05 Oct 2018 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	31.8	95.3	
227	62.2	31.9	95.7	





#95

Naphthalene

Concen: 56.383 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Instrument :

MSVOA_U

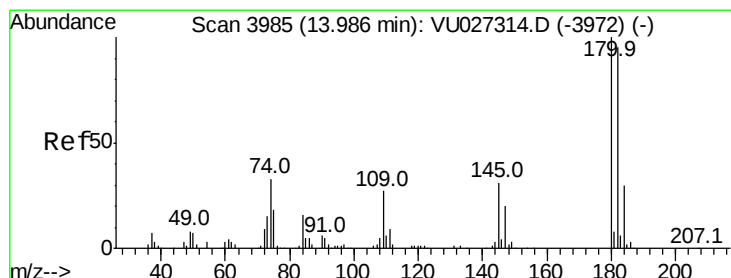
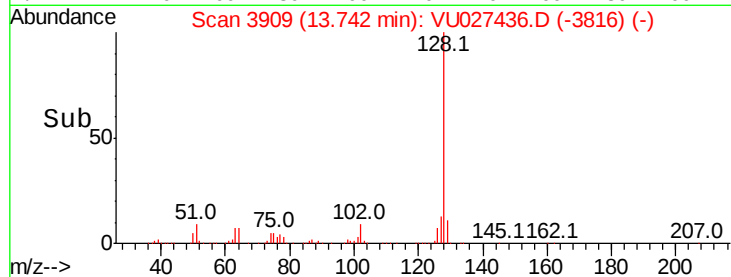
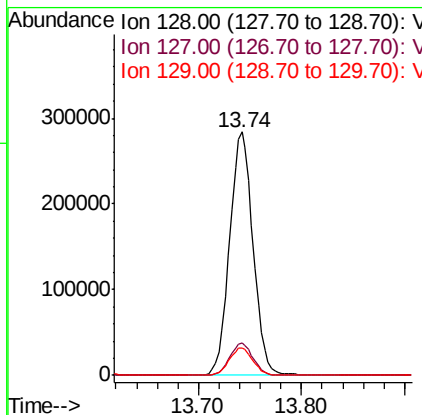
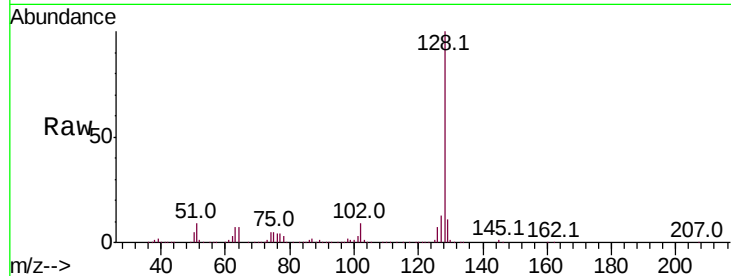
ClientSampleId :

EP-MW-H-092718MS

Tot Ion:	128	Resp:	449380
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:52:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.147 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU027436.D

Acq: 05 Oct 2018 02:13

Tgt Ion:	180	Resp:	119251
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.4	142.2
145	33.4	15.9	47.7

