

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120318\
 Data File : VU028435.D
 Acq On : 03 Dec 2018 12:49
 Operator : MD/SY
 Sample : VU1203WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 11:18:32 AM

Quant Time: Dec 04 07:17:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	290780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	520551	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	480388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	237435	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	235532	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
35) Dibromofluoromethane	4.88	113	171898	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	7.57	98	685303	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	10.30	95	252644	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	70487	18.070	ug/l	99
3) Chloromethane	1.33	50	131736	17.423	ug/l	100
4) Vinyl Chloride	1.40	62	97917	18.510	ug/l	99
5) Bromomethane	1.63	94	39127	19.123	ug/l	97
6) Chloroethane	1.70	64	56667	18.616	ug/l	94
7) Trichlorofluoromethane	1.89	101	102274	18.612	ug/l	95
8) Diethyl Ether	2.11	74	48585	19.020	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	63619	19.875	ug/l	97
10) Methyl Iodide	2.41	142	42914	14.217	ug/l	97
11) Tert butyl alcohol	2.83	59	104121	94.310	ug/l	99
12) 1,1-Dichloroethene	2.29	96	65000	20.924	ug/l	86
13) Acrolein	2.20	56	76583	78.026	ug/l	96
14) Allyl chloride	2.59	41	144603	17.817	ug/l	98
15) Acrylonitrile	2.94	53	275784	94.435	ug/l	99
16) Acetone	2.32	43	250368	84.220	ug/l	100
17) Carbon Disulfide	2.48	76	209542	17.574	ug/l	100
18) Methyl Acetate	2.62	43	156084	18.858	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	247224	19.412	ug/l	98
20) Methylene Chloride	2.70	84	82713	19.681	ug/l	92
21) trans-1,2-Dichloroethene	2.98	96	71166	19.754	ug/l	93
22) Diisopropyl ether	3.57	45	295658	18.503	ug/l	94
23) Vinyl Acetate	3.53	43	1218379	91.732	ug/l	99
24) 1,1-Dichloroethane	3.45	63	151115	19.181	ug/l	99
25) 2-Butanone	4.26	43	389822	91.498	ug/l	98
26) 2,2-Dichloropropane	4.23	77	114236	18.258	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	81653	19.164	ug/l	94
28) Bromochloromethane	4.55	49	76359	19.384	ug/l	94
29) Tetrahydrofuran	4.64	42	264105	95.477	ug/l	98
30) Chloroform	4.67	83	137634	18.927	ug/l	98
31) Cyclohexane	4.99	56	151570	18.499	ug/l	# 95
32) 1,1,1-Trichloroethane	4.92	97	110650	18.963	ug/l	99
36) 1,1-Dichloropropene	5.14	75	103447	18.160	ug/l	99
37) Ethyl Acetate	4.39	43	147188	18.961	ug/l	97
38) Carbon Tetrachloride	5.13	117	86783	18.553	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	124843	18.589	ug/l	96
40) Benzene	5.39	78	322312	19.104	ug/l	99
41) Methacrylonitrile	4.55	41	82099	19.044	ug/l	97
42) 1,2-Dichloroethane	5.40	62	112388	18.492	ug/l	98
43) Isopropyl Acetate	5.55	43	227276	18.476	ug/l	98
44) Trichloroethene	6.19	130	71373	19.736	ug/l	98
45) 1,2-Dichloropropane	6.43	63	92068	18.635	ug/l	99
46) Dibromomethane	6.56	93	53765	18.946	ug/l	96
47) Bromodichloromethane	6.76	83	104800	18.566	ug/l	98
48) Methyl methacrylate	6.62	41	115435	18.015	ug/l	98
49) 1,4-Dioxane	6.61	88	37370	365.064	ug/l	92
51) 4-Methyl-2-Pentanone	7.46	43	727313	92.573	ug/l	99
52) Toluene	7.64	92	188987	19.453	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	122778	18.190	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	134069	18.541	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	74227	18.358	ug/l	96
56) Ethyl methacrylate	8.02	69	129355	18.805	ug/l	97
57) 1,3-Dichloropropane	8.24	76	139811	18.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	343014	92.881	ug/l	99
59) 2-Hexanone	8.36	43	556196	91.393	ug/l	98
60) Dibromochloromethane	8.48	129	70944	18.449	ug/l	96
61) 1,2-Dibromoethane	8.58	107	80915	19.539	ug/l	98
64) Tetrachloroethene	8.23	164	59770	18.915	ug/l	99
65) Chlorobenzene	9.12	112	193200	19.369	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	64661	18.912	ug/l	97
67) Ethyl Benzene	9.25	91	357903	19.051	ug/l	99
68) m/p-Xylenes	9.37	106	263857	39.020	ug/l	96
69) o-Xylene	9.78	106	129177	19.217	ug/l	98
70) Styrene	9.79	104	207172	19.109	ug/l	100
71) Bromoform	9.95	173	54262	18.881	ug/l #	99
73) Isopropylbenzene	10.17	105	338172	18.313	ug/l	99
74) N-amyl acetate	10.01	43	194832	16.839	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	134945	17.770	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	117945m	17.913	ug/l	
77) Bromobenzene	10.45	156	78566	18.056	ug/l	99
78) n-propylbenzene	10.58	91	421618	18.508	ug/l	99
79) 2-Chlorotoluene	10.66	91	242070	18.025	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	283977	18.248	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	42744m	17.233	ug/l	
82) 4-Chlorotoluene	10.77	91	279836	18.086	ug/l	100
83) tert-Butylbenzene	11.10	119	266152	18.347	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	286076	18.150	ug/l	97
85) sec-Butylbenzene	11.32	105	345707	18.348	ug/l	99
86) p-Isopropyltoluene	11.48	119	288228	18.604	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	143815	18.121	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	146567	18.350	ug/l	98
89) n-Butylbenzene	11.89	91	283088	18.514	ug/l	98
90) Hexachloroethane	12.14	117	41823	17.291	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	143929	18.177	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30686	18.167	ug/l	99

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	97466	18.805	ug/l	100
94) Hexachlorobutadiene	13.69	225	44418	18.149	ug/l	98
95) Naphthalene	13.74	128	349152	19.317	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	100653	19.202	ug/l	98

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

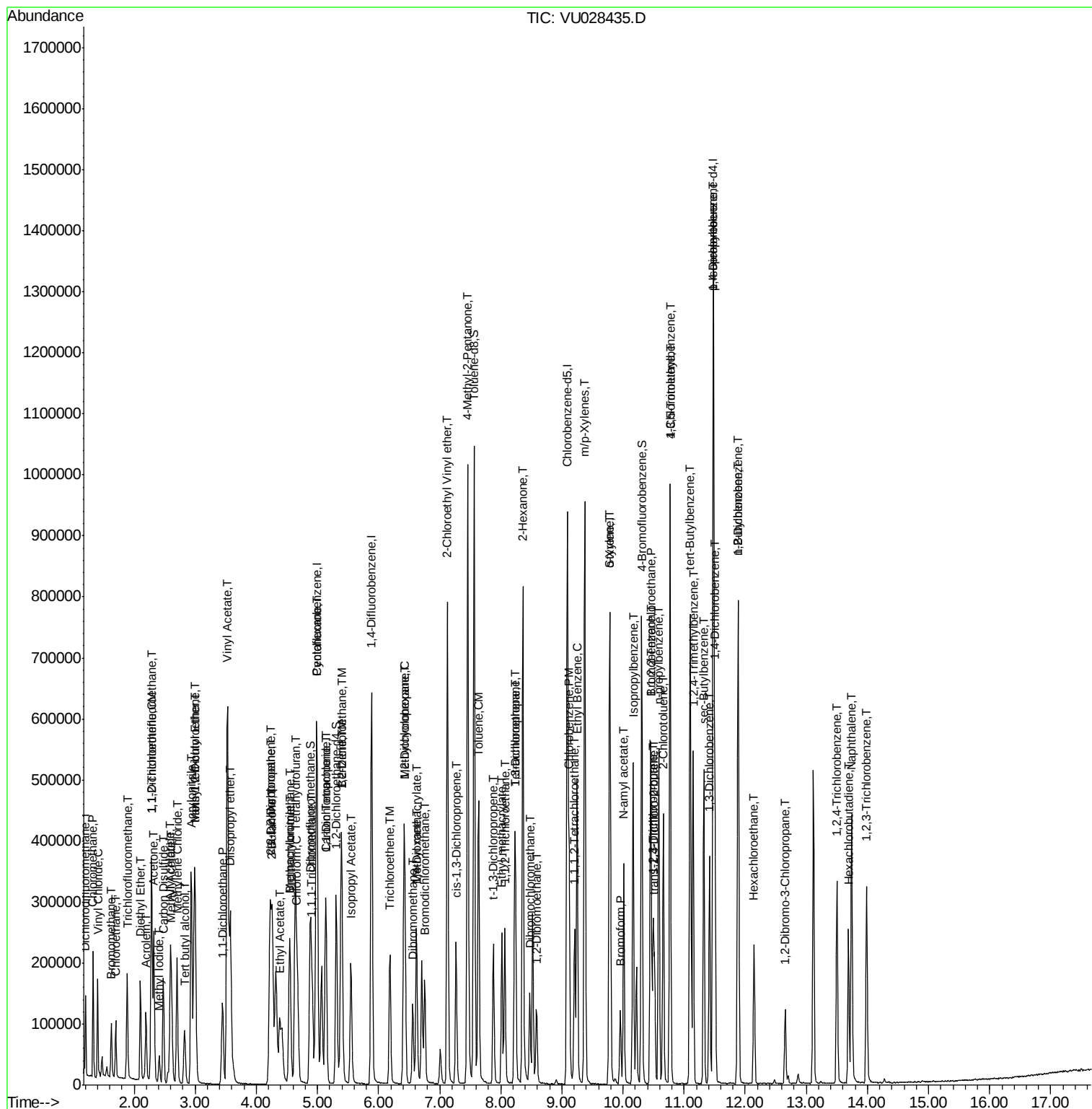
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Data File : VU028435.D
Acq On : 03 Dec 2018 12:49
Operator : MD/SY
Sample : VU1203WBSD01
Misc : 5.0mL/MSVOA U/WATER
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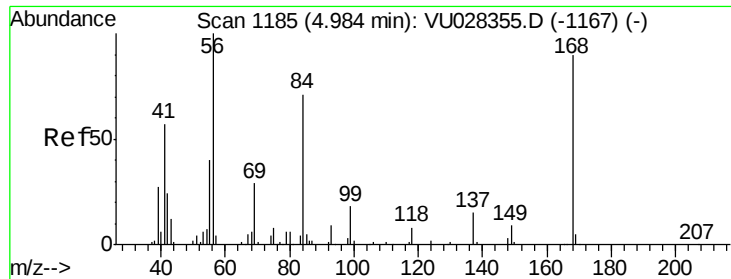
Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBSD01

Tot Ion:168 Resp: 290780

Ion Ratio Lower Upper

168 100

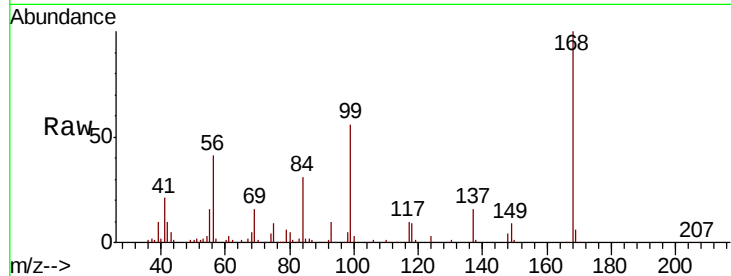
99 55.8 49.6 74.4

Manual Integrations

APPROVED

MMDadoda

12/4/2018 11:18:32 AM



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

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.99

150000

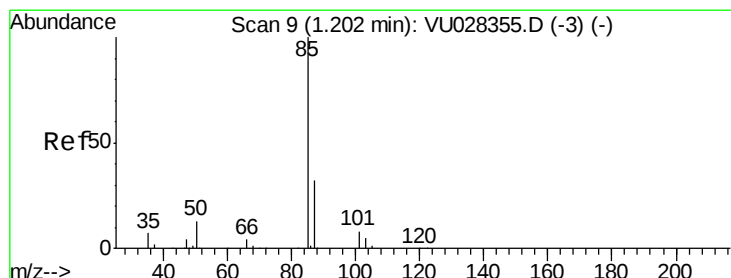
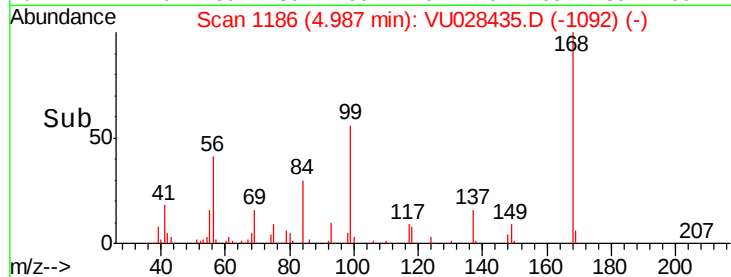
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50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.070 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028435.D

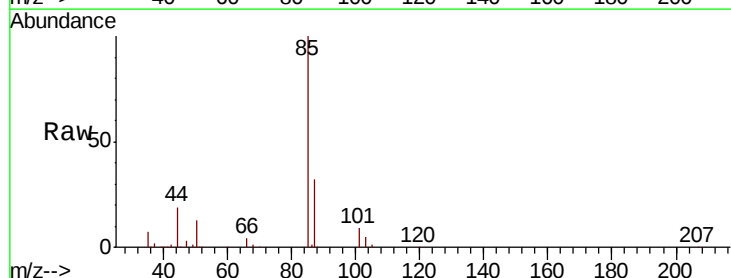
Acq: 03 Dec 2018 12:49

Tgt Ion: 85 Resp: 70487

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028355.D (-3) (-)

1.21

80000

60000

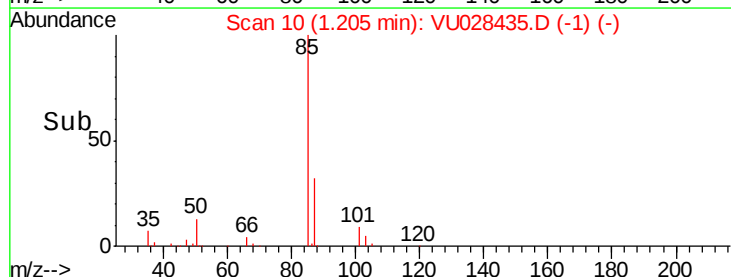
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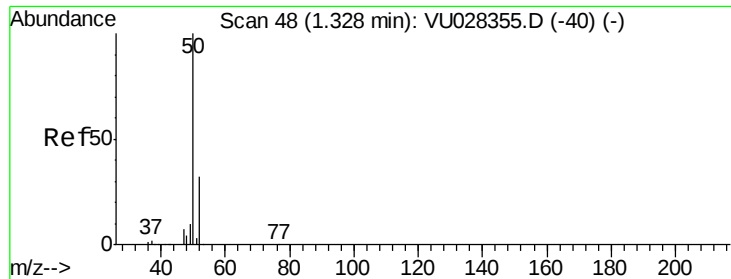
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.423 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBSD01

Tot Ion: 50 Resp: 131736

Ion Ratio Lower Upper

50 100

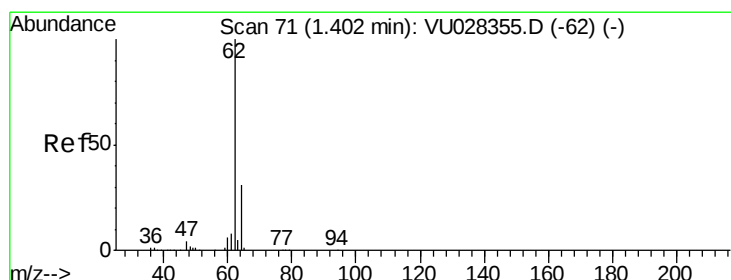
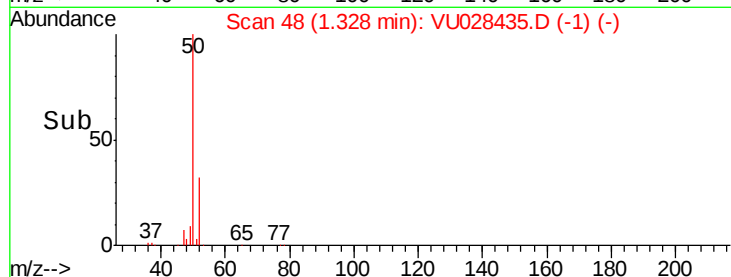
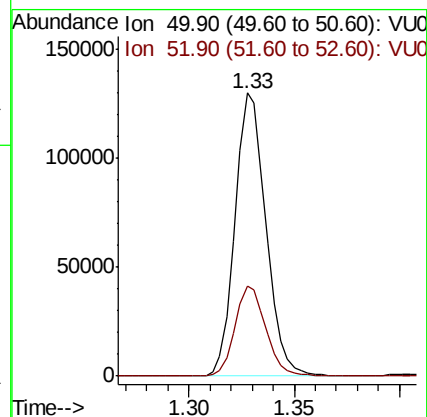
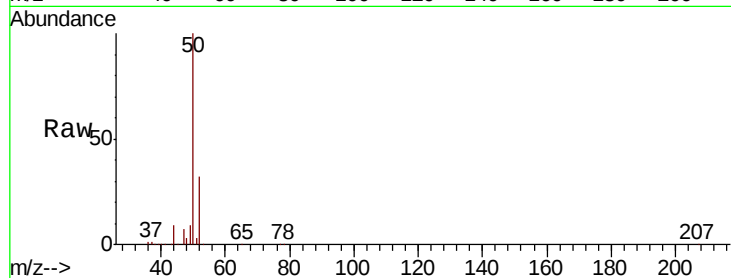
52 31.8 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.510 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028435.D

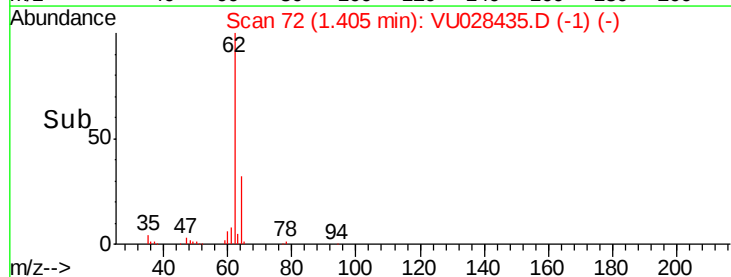
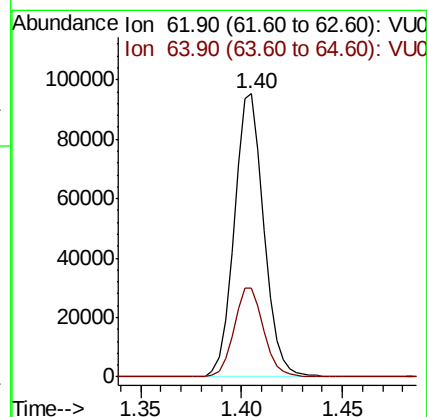
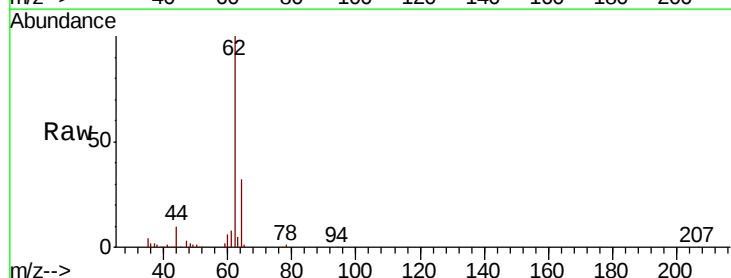
Acq: 03 Dec 2018 12:49

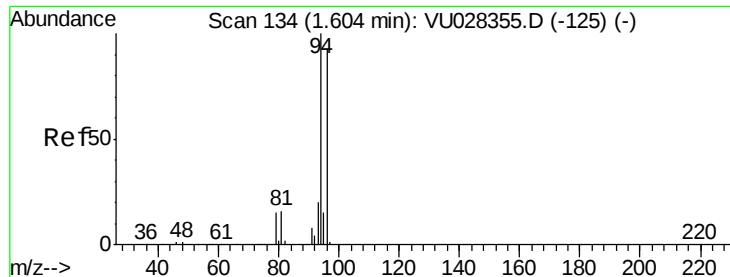
Tgt Ion: 62 Resp: 97917

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4





#5

Bromomethane

Concen: 19.123 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.02 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBSD01

Tot Ion: 94 Resp: 39127

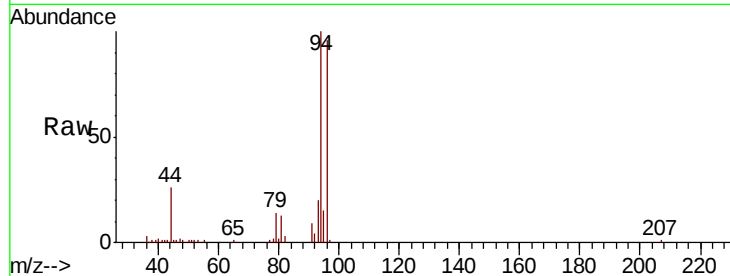
Ion Ratio Lower Upper

94 100

96 96.1 74.6 112.0

Manual Integrations
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12/4/2018 11:18:32 AM

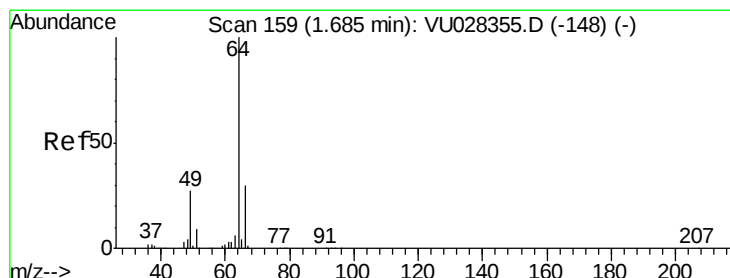
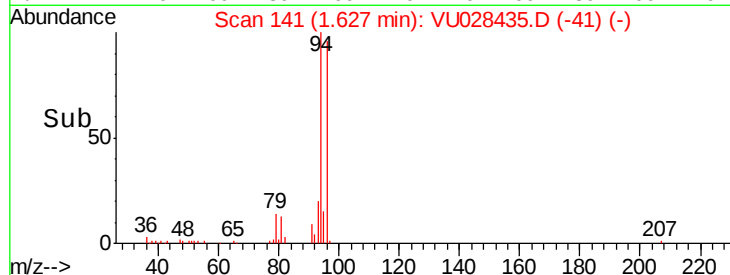


Abundance Ion 93.90 (93.60 to 94.60): VU028355.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VU028355.D (-125) (-)

1.63

Time-->



#6

Chloroethane

Concen: 18.616 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU028435.D

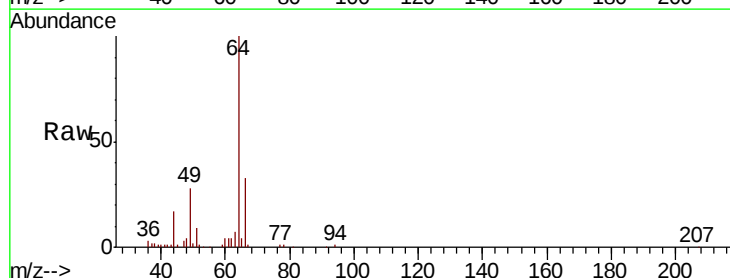
Acq: 03 Dec 2018 12:49

Tgt Ion: 64 Resp: 56667

Ion Ratio Lower Upper

64 100

66 33.0 23.6 35.4

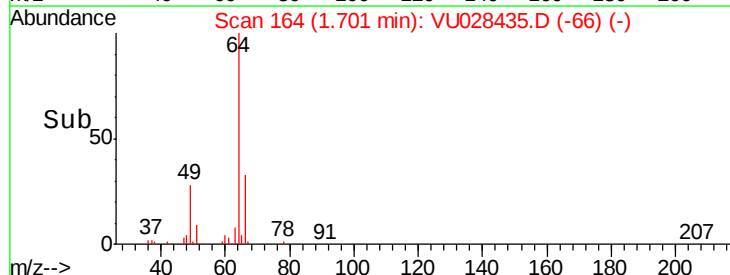


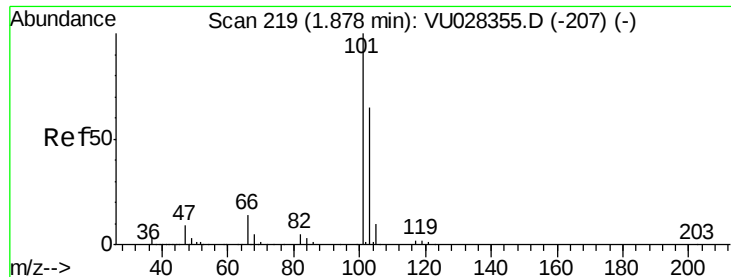
Abundance Ion 63.90 (63.60 to 64.60): VU028355.D (-148) (-)

Ion 65.90 (65.60 to 66.60): VU028355.D (-148) (-)

1.70

Time-->





#7

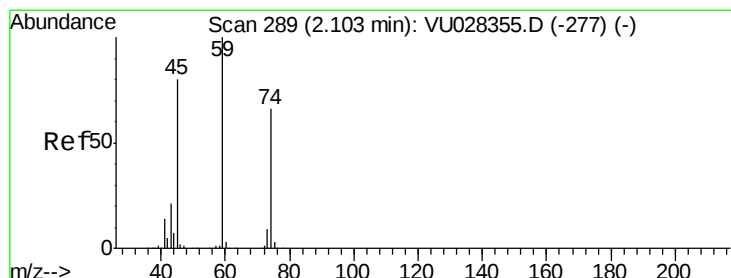
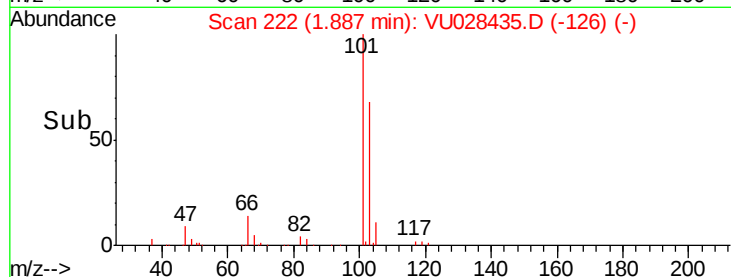
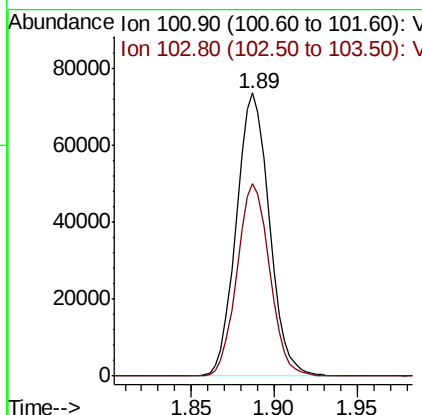
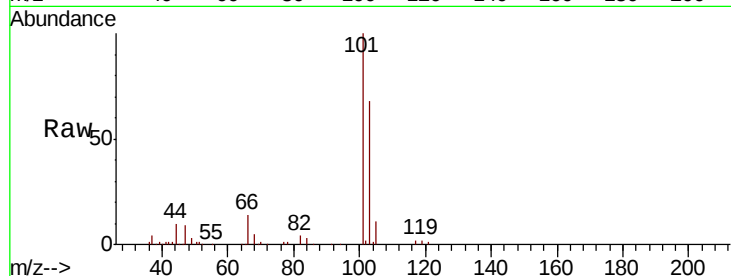
Trichlorofluoromethane
 Concen: 18.612 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VU028435.D
 Acq: 03 Dec 2018 12:49

Instrument :
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 ClientSampleId :
 VU1203WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.1	51.6	77.4

Manual Integrations
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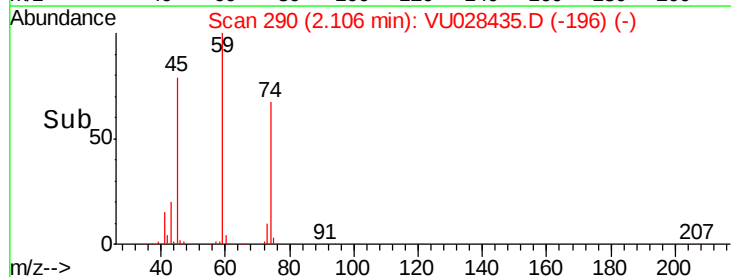
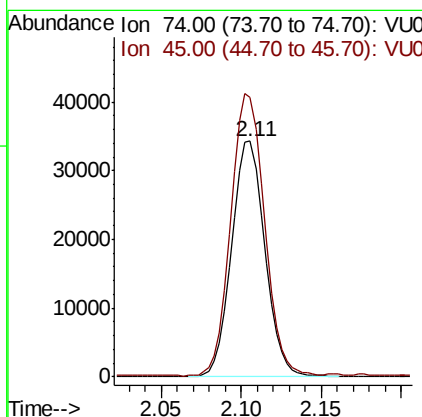
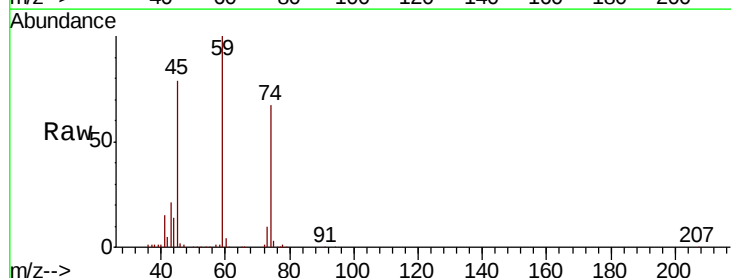
MMDadoda
 12/4/2018 11:18:32 AM

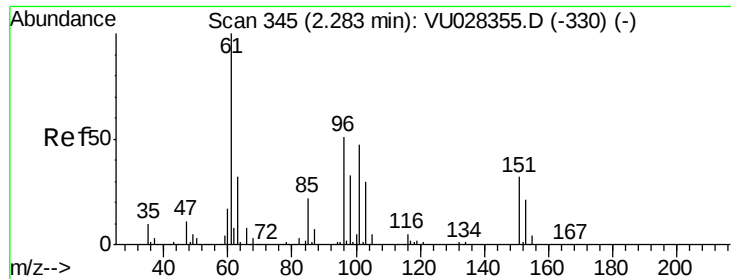


#8

Diethyl Ether
 Concen: 19.020 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU028435.D
 Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.8	63.0	189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.875 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

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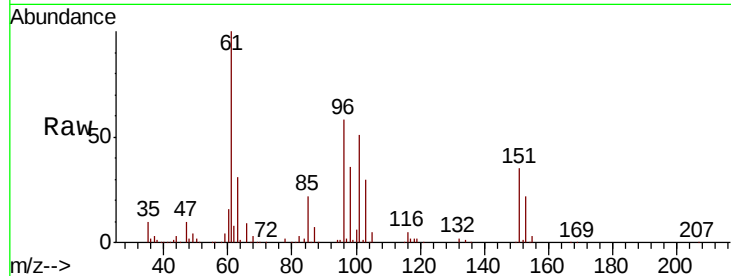
ClientSampleId :

VU1203WBSD01

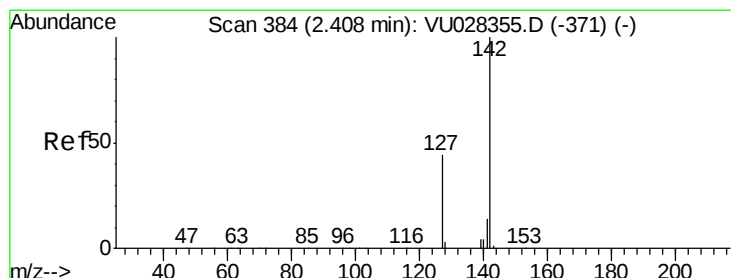
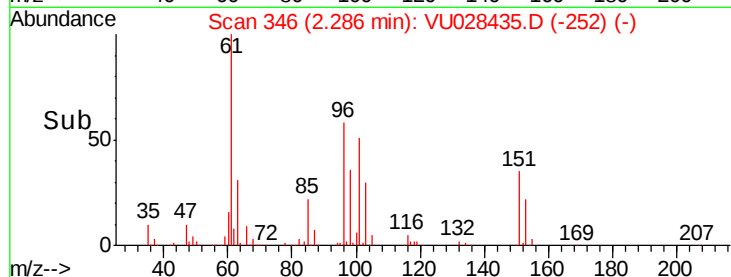
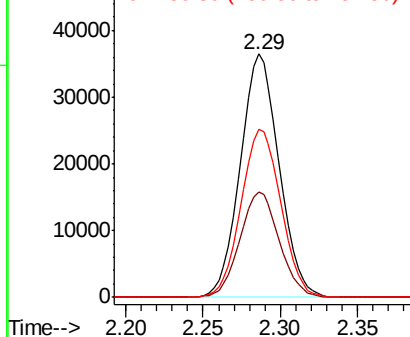
Tot Ion:	101	Resp:	63619
Ion Ratio	Lower	Upper	
101	100		
85	43.8	37.2	55.8
151	70.9	55.4	83.0

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



#10

Methyl Iodide

Concen: 14.217 ug/l

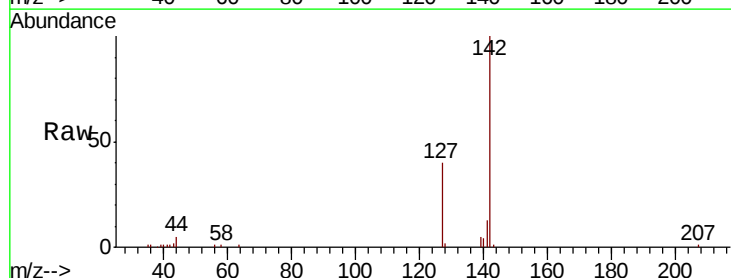
RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

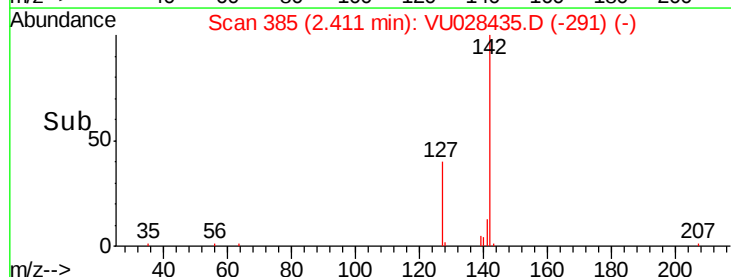
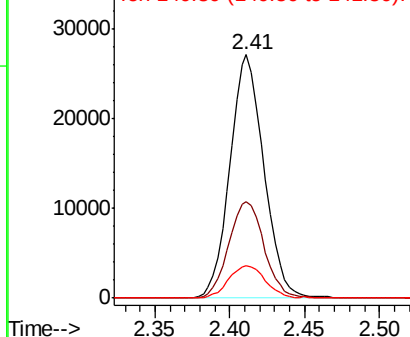
Lab File: VU028435.D

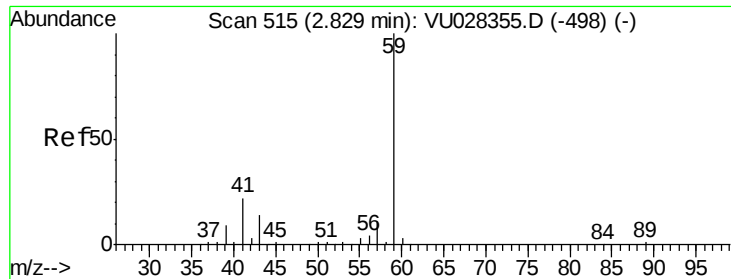
Acq: 03 Dec 2018 12:49

Tgt Ion:	142	Resp:	42914
Ion Ratio	Lower	Upper	
142	100		
127	41.2	35.0	52.6
141	14.4	11.2	16.8



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





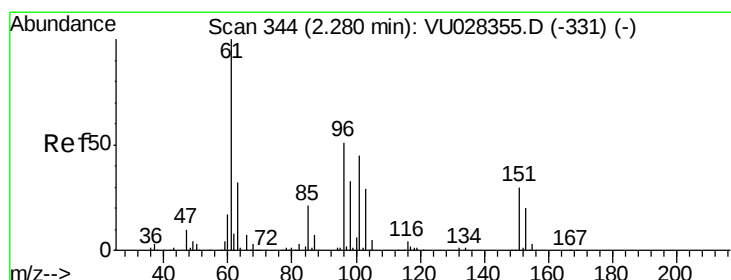
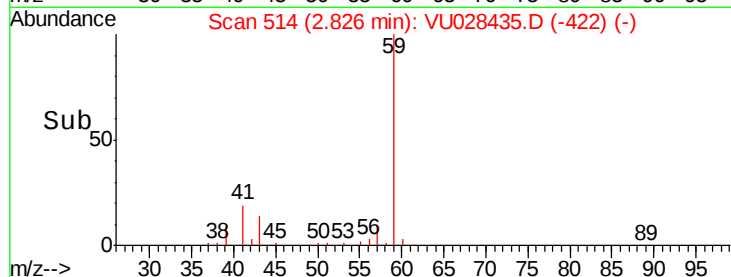
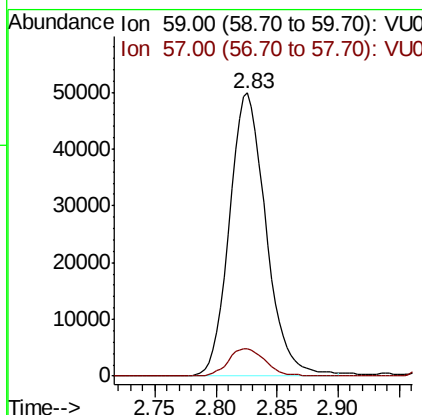
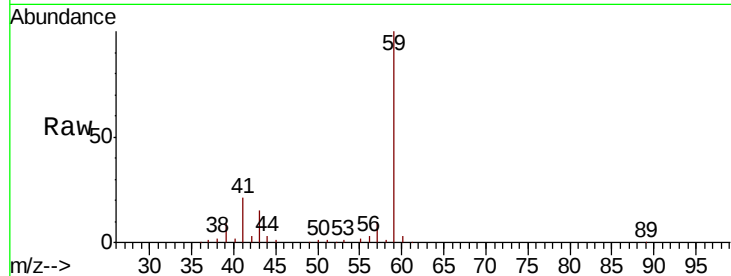
#11
Tert butyl alcohol
Concen: 94.310 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

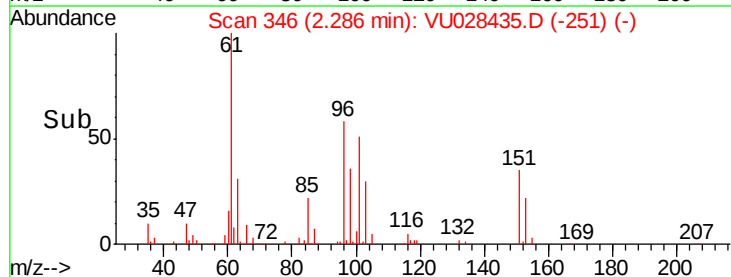
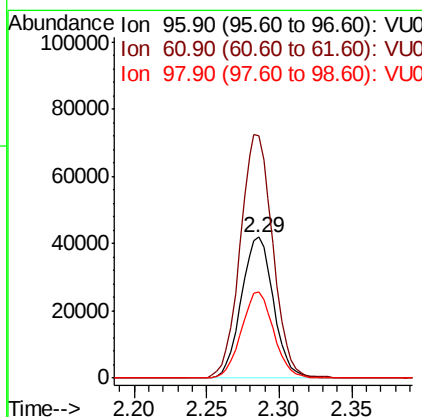
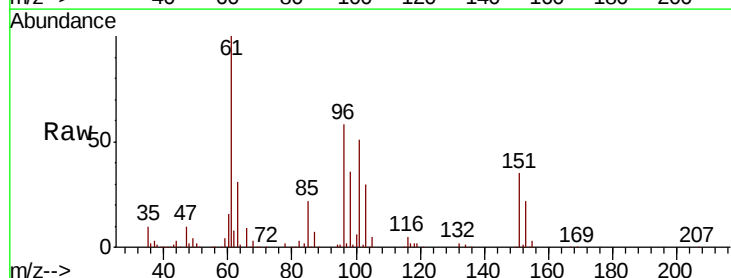
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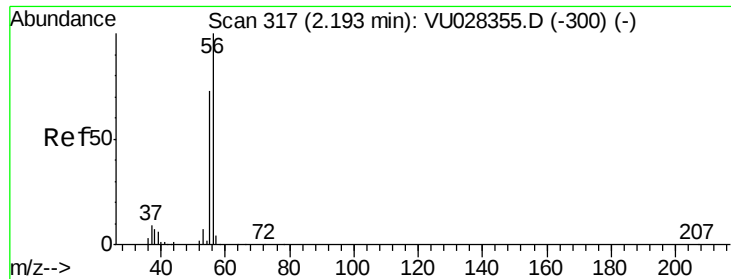
MMDadoda
12/4/2018 11:18:32 AM



#12
1,1-Dichloroethene
Concen: 20.924 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.01 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.7	158.1	237.1
98	61.1	51.4	77.2





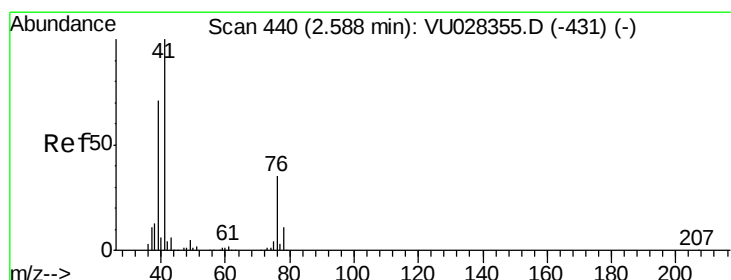
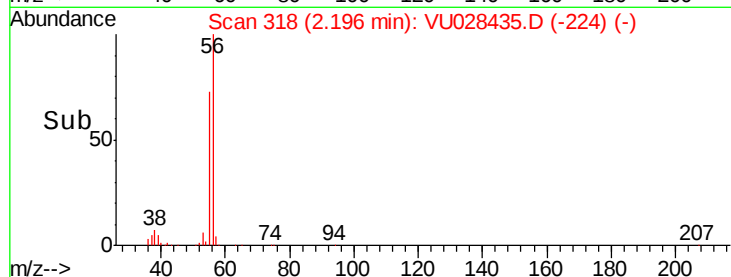
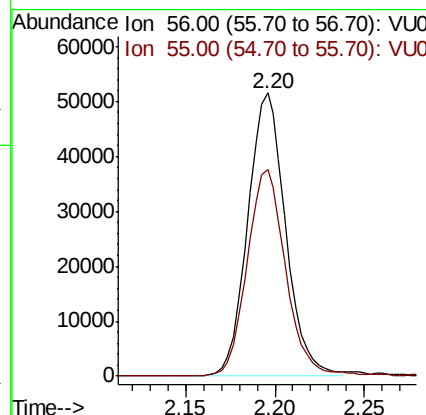
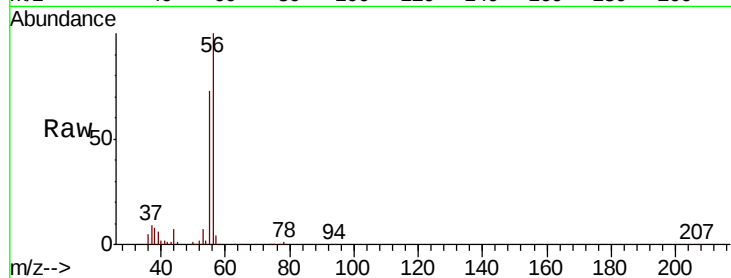
#13
Acrolein
Concen: 78.026 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.7	56.6	85.0

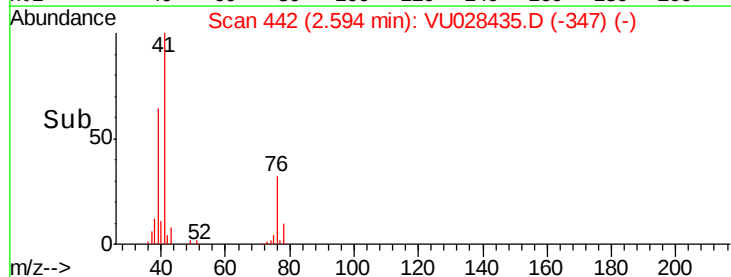
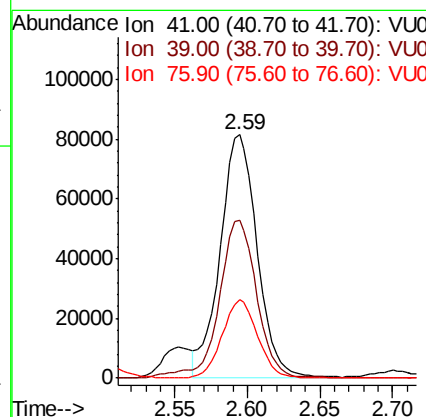
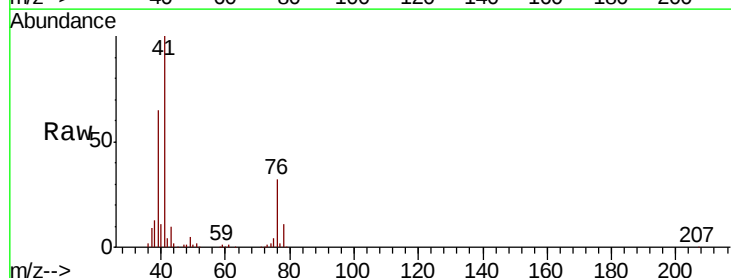
Manual Integrations
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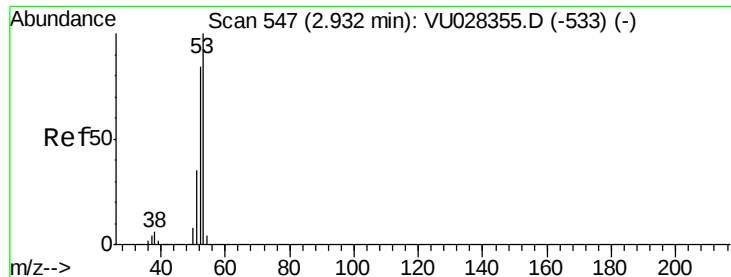
MMDadoda
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#14
Allyl chloride
Concen: 17.817 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.01 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.2	51.6	77.4
76	30.8	24.4	36.6





#15

Acrylonitrile

Concen: 94.435 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

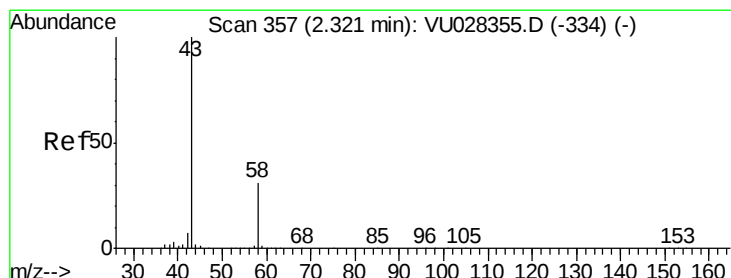
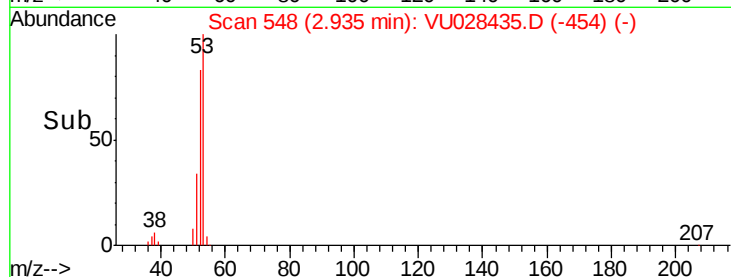
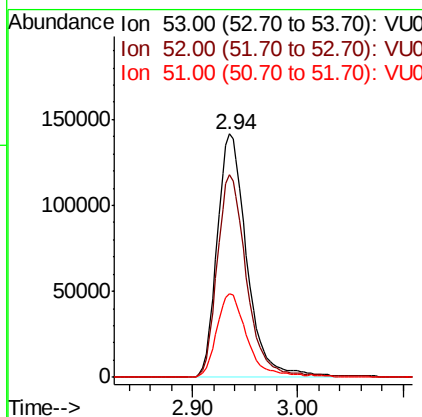
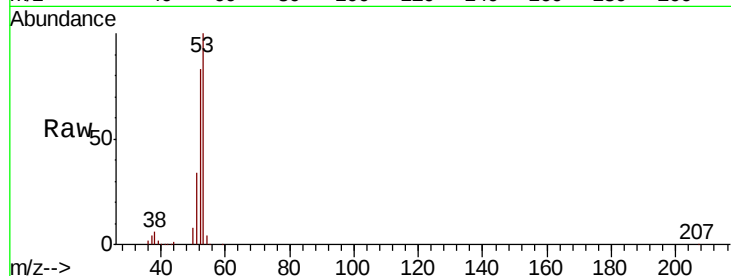
ClientSampleId :

VU1203WBSD01

Tot Ion:	53	Resp:	275784
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.7	98.5
51	35.1	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 84.220 ug/l

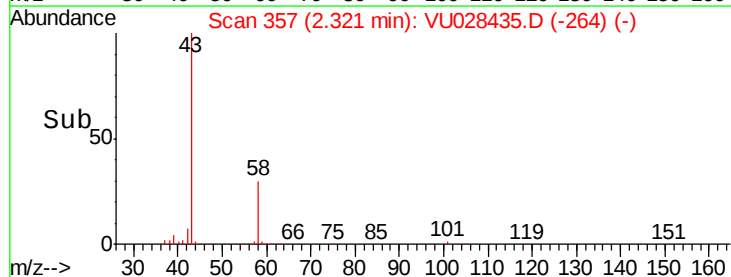
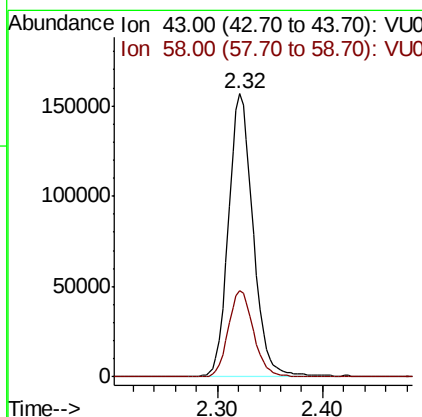
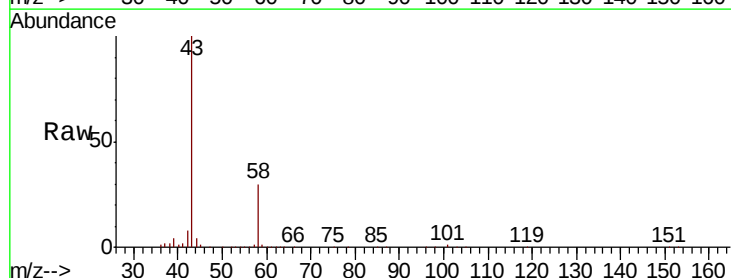
RT: 2.32 min Scan# 357

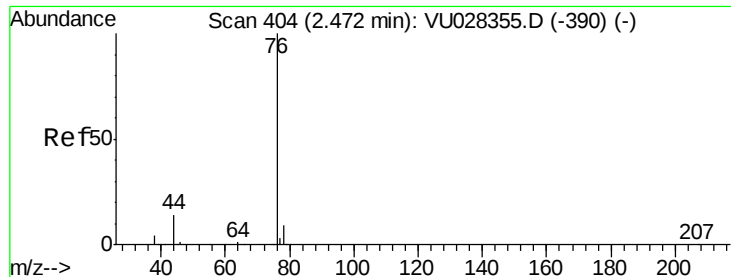
Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Tgt Ion:	43	Resp:	250368
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.4	36.6





#17

Carbon Disulfide

Concen: 17.574 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBSD01

Tot Ion: 76 Resp: 209542

Ion Ratio Lower Upper

76 100

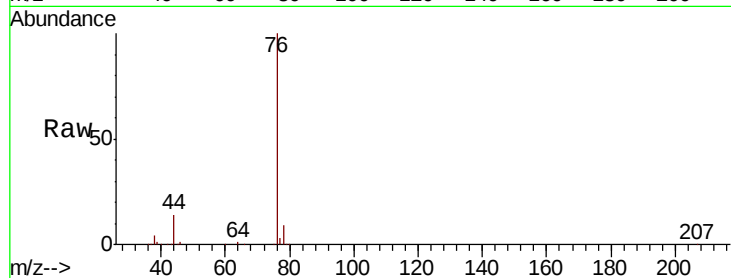
78 9.1 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU028435.D (-390) (-)

Ion 77.90 (77.60 to 78.60): VU028435.D (-390) (-)

2.48

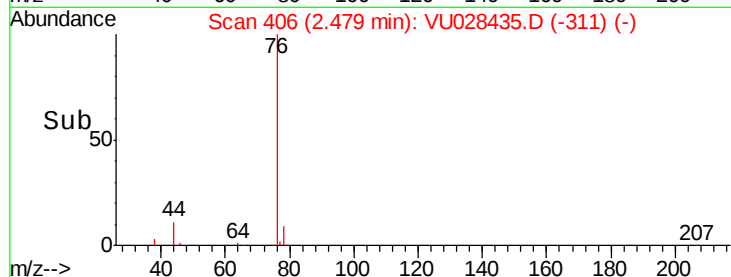
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 18.858 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028435.D

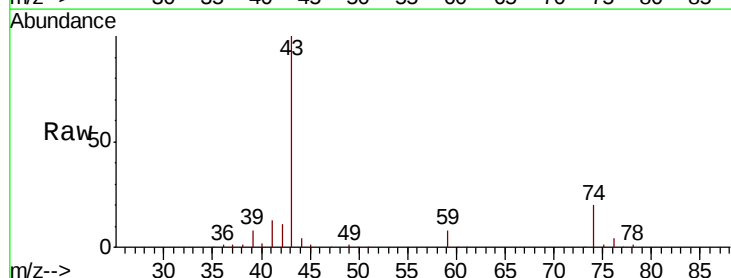
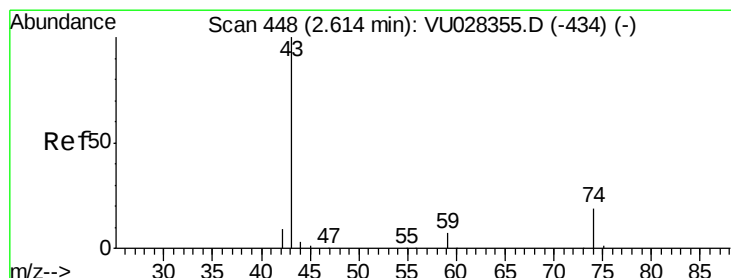
Acq: 03 Dec 2018 12:49

Tgt Ion: 43 Resp: 156084

Ion Ratio Lower Upper

43 100

74 20.0 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU028435.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU028435.D (-355) (-)

2.62

100000

80000

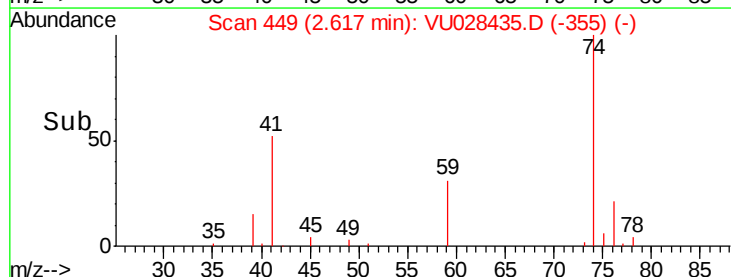
60000

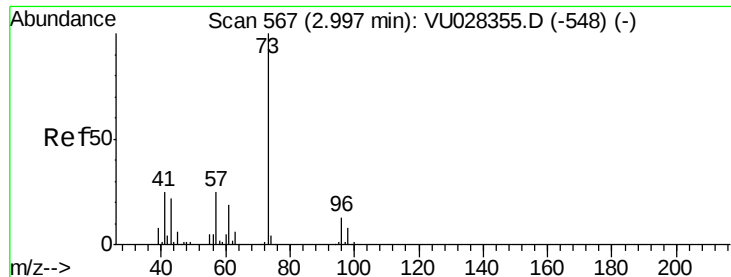
40000

20000

0

Time-->





#19

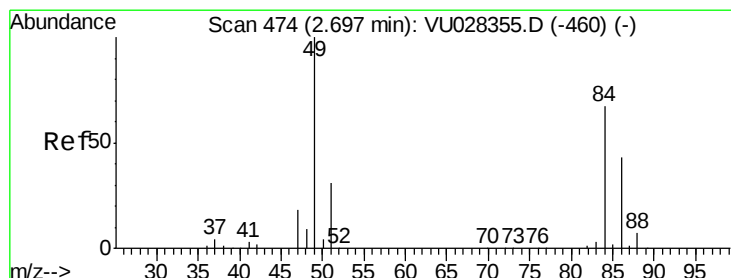
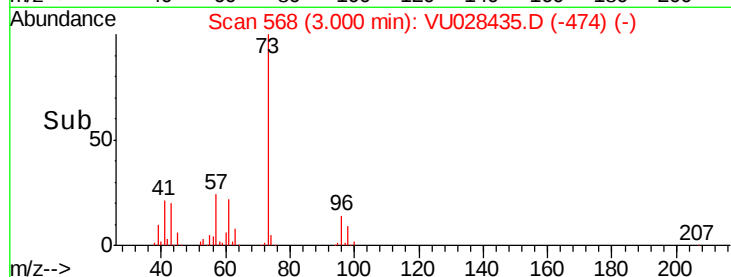
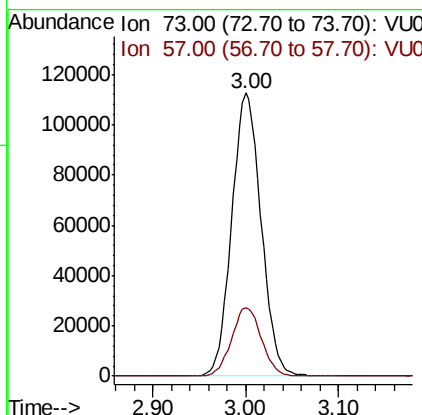
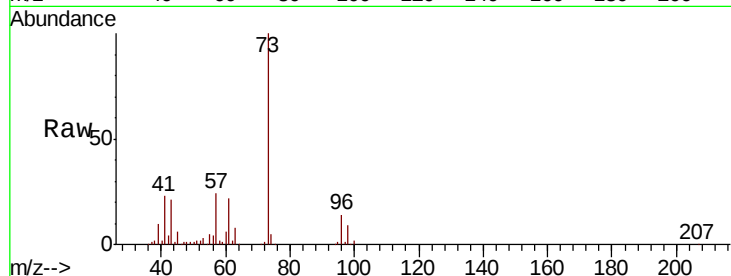
Methyl tert-butyl Ether
 Concen: 19.412 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU028435.D
 Acq: 03 Dec 2018 12:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBSD01

Tot Ion: 73 Resp: 247224
 Ion Ratio Lower Upper
 73 100
 57 24.1 20.1 30.1

Manual Integrations
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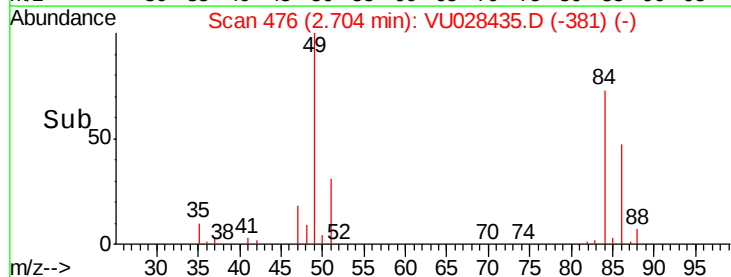
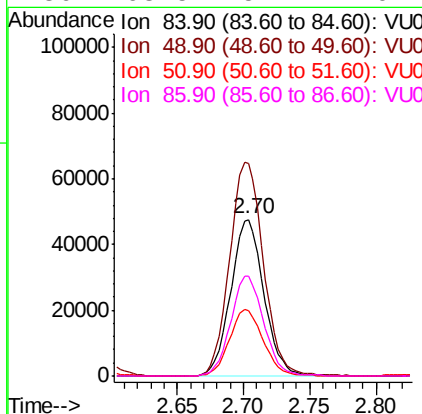
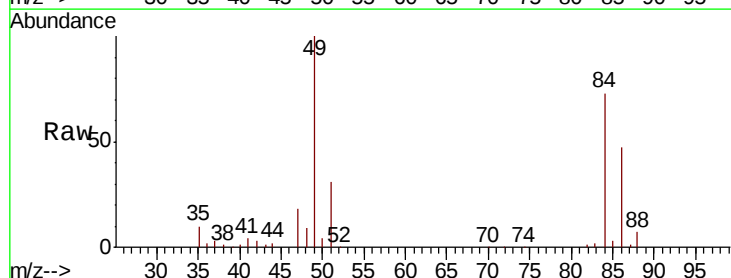
MMDadoda
 12/4/2018 11:18:32 AM

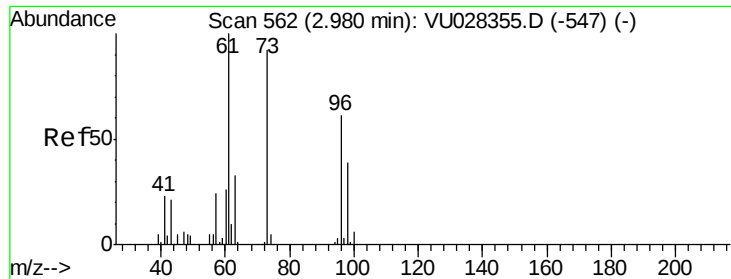


#20

Methylene Chloride
 Concen: 19.681 ug/l
 RT: 2.70 min Scan# 476
 Delta R.T. 0.01 min
 Lab File: VU028435.D
 Acq: 03 Dec 2018 12:49

Tgt Ion: 84 Resp: 82713
 Ion Ratio Lower Upper
 84 100
 49 136.1 120.0 180.0
 51 41.7 36.9 55.3
 86 63.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.754 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBSD01

Tot Ion: 96 Resp: 71166

Ion Ratio Lower Upper

96 100

61 153.5 131.1 196.7

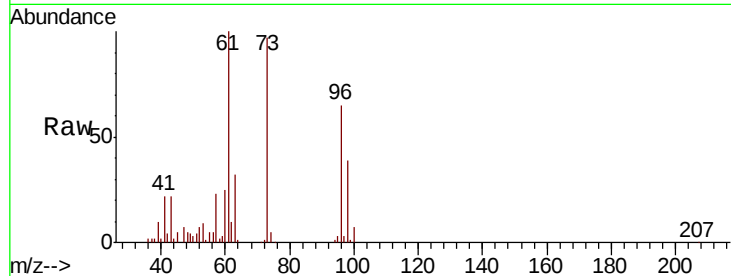
98 59.3 51.7 77.5

Manual Integrations

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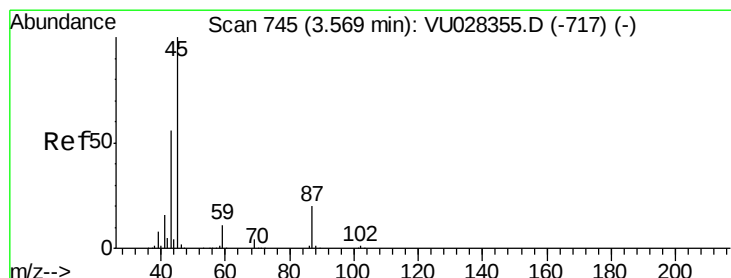
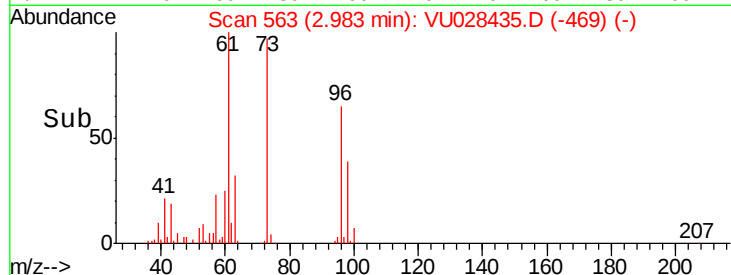
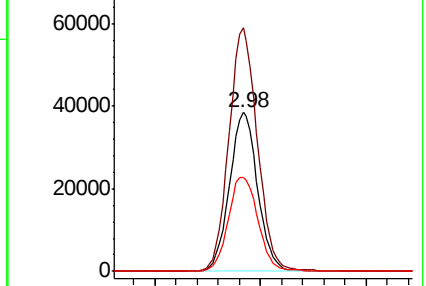
12/4/2018 11:18:32 AM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 18.503 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Tgt Ion: 45 Resp: 295658

Ion Ratio Lower Upper

45 100

43 62.7 44.8 67.2

87 21.2 16.3 24.5

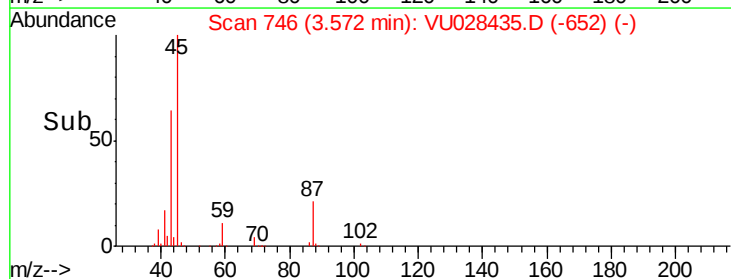
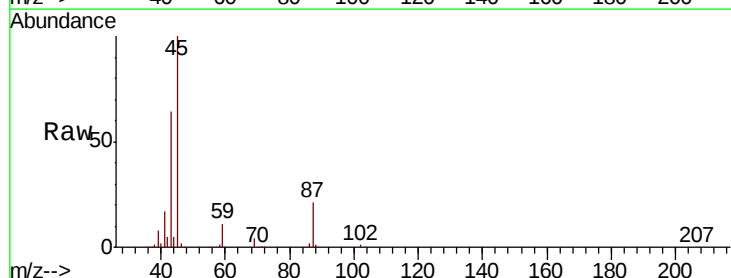
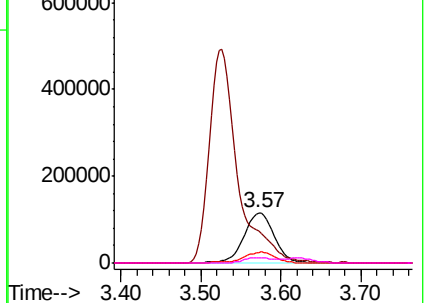
59 10.7 8.6 12.8

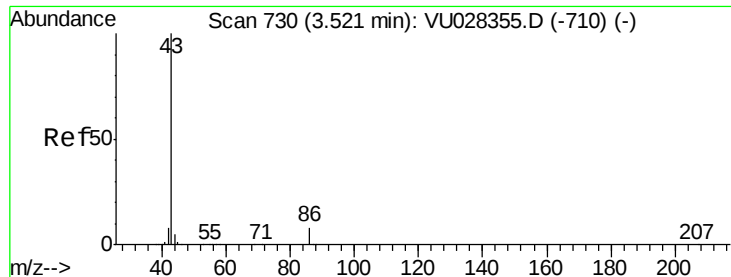
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 91.732 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.01 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBSD01

Tot Ion: 43 Resp: 1218379

Ion Ratio Lower Upper

43 100

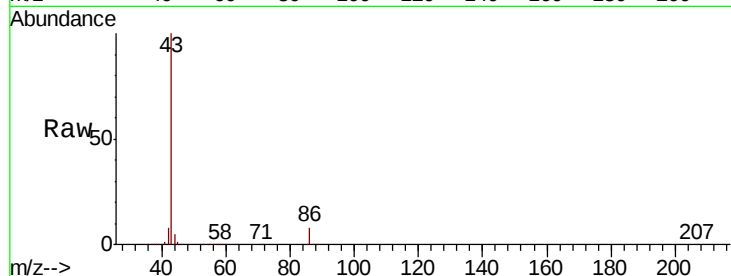
86 8.4 6.5 9.7

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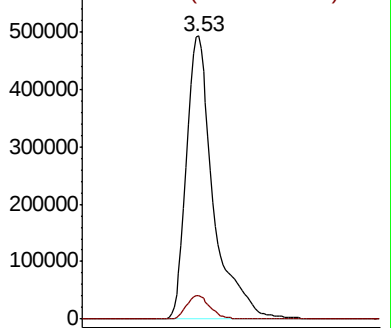
MMDadoda

12/4/2018 11:18:32 AM

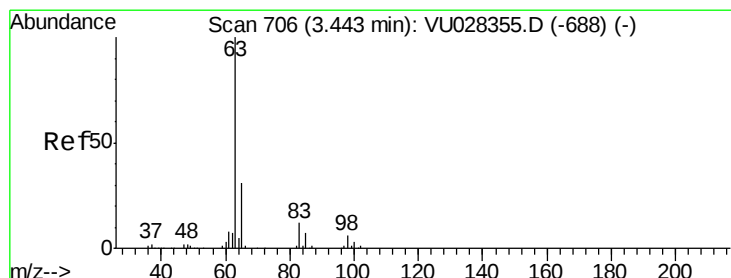
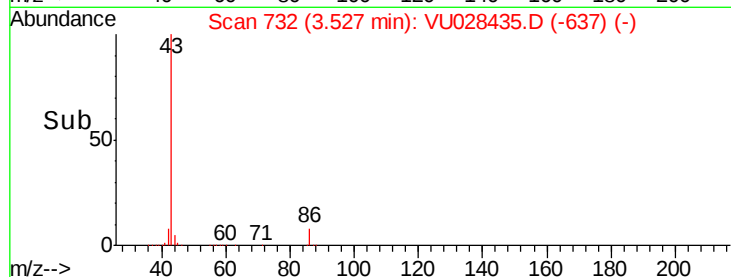


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



Time-->



#24

1,1-Dichloroethane

Concen: 19.181 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

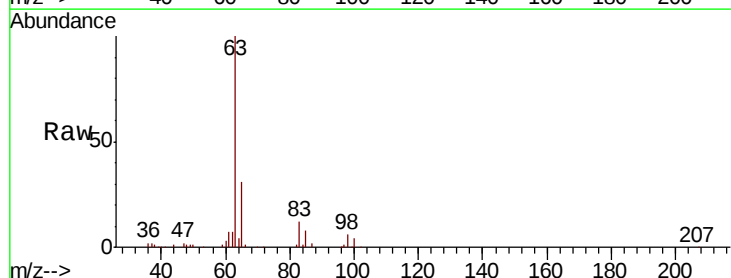
Tgt Ion: 63 Resp: 151115

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

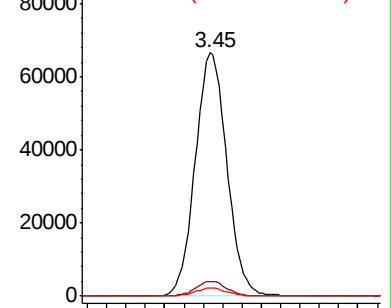
100 3.5 1.7 5.1



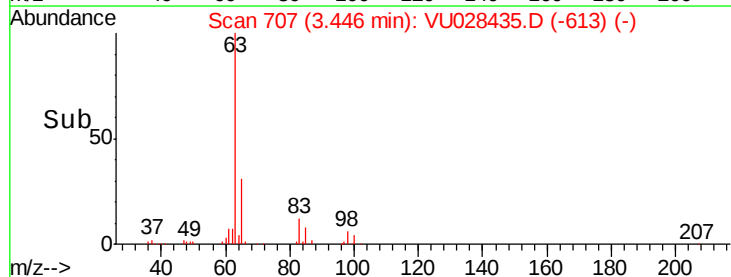
Abundance Ion 62.90 (62.60 to 63.60): VU0

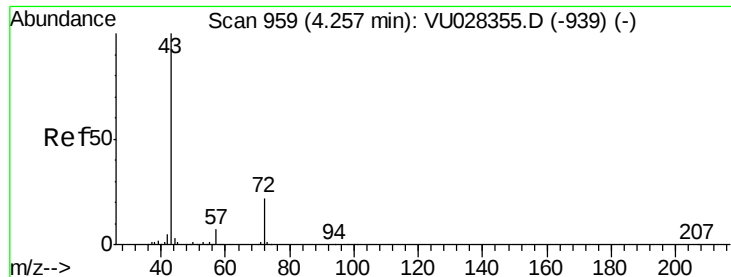
Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0



Time-->





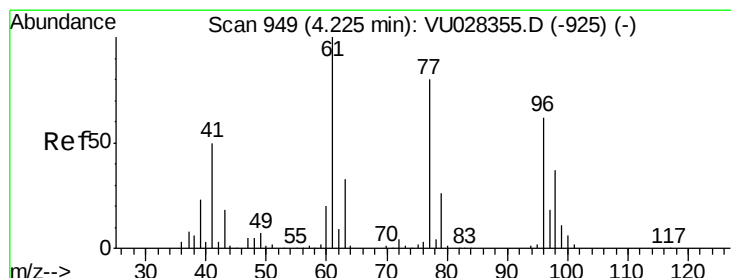
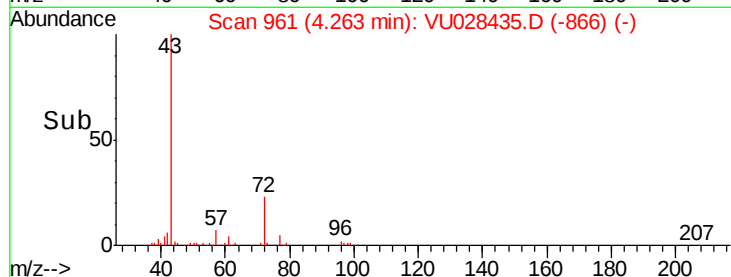
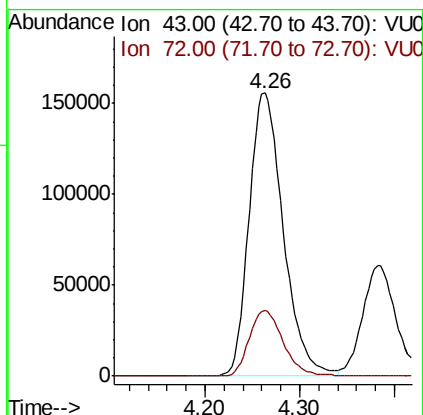
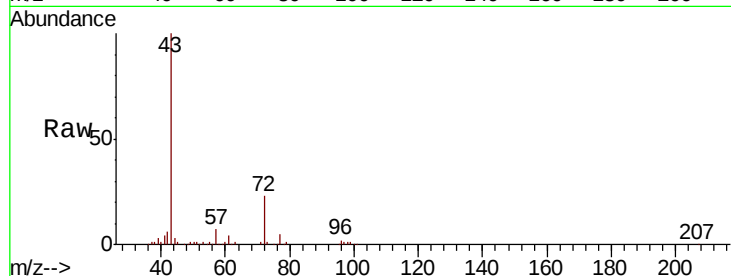
#25
2-Butanone
Concen: 91.498 ug/l
RT: 4.26 min Scan# 961
Delta R.T. 0.01 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion: 43 Resp: 389822
Ion Ratio Lower Upper
43 100
72 23.1 17.7 26.5

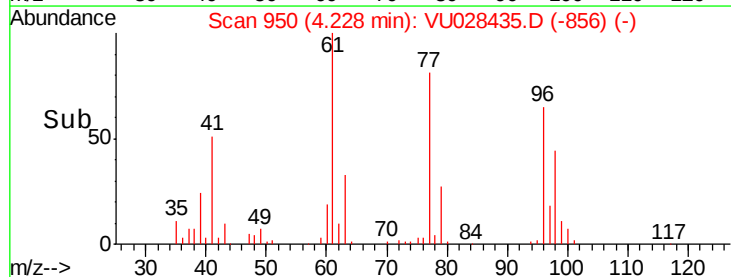
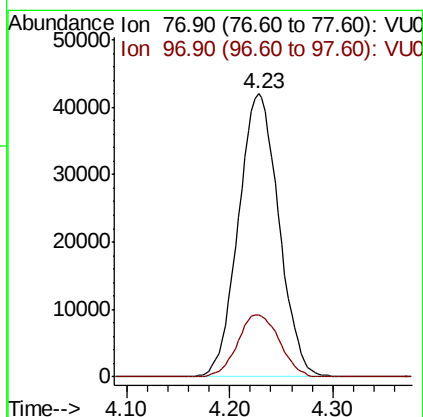
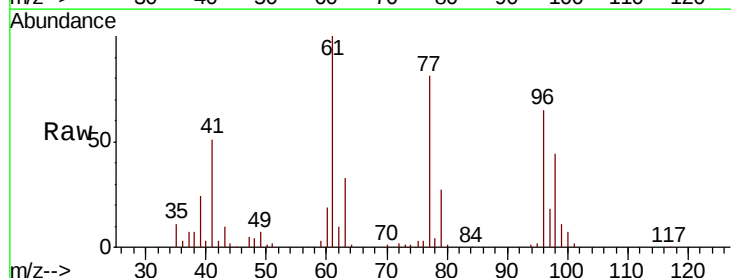
Manual Integrations
APPROVED

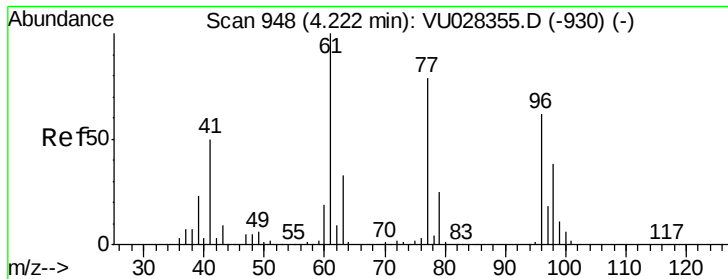
MMDadoda
12/4/2018 11:18:32 AM



#26
2,2-Dichloropropane
Concen: 18.258 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion: 77 Resp: 114236
Ion Ratio Lower Upper
77 100
97 22.7 10.7 32.1





#27

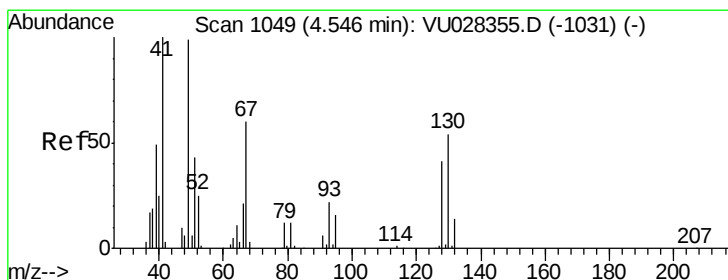
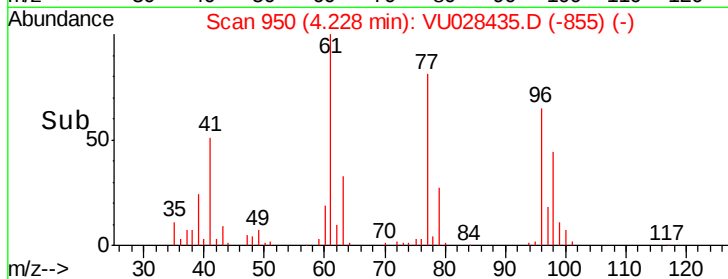
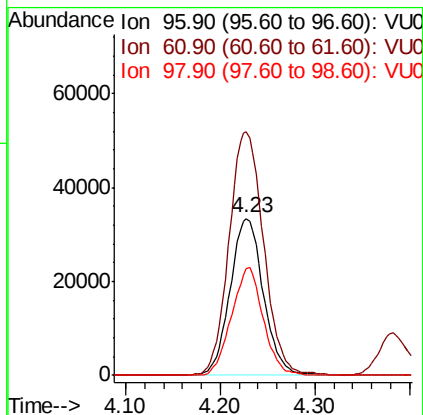
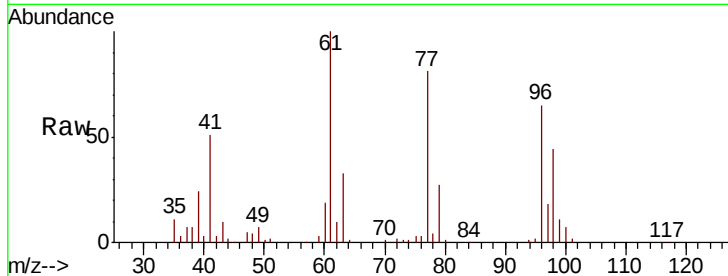
cis-1,2-Dichloroethene
Concen: 19.164 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.01 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.6	0.0	342.0
98	65.2	0.0	126.4

Manual Integrations
APPROVED

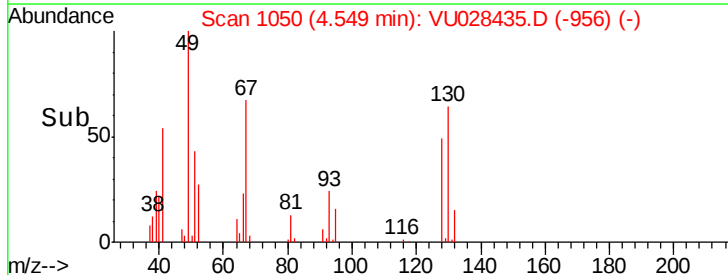
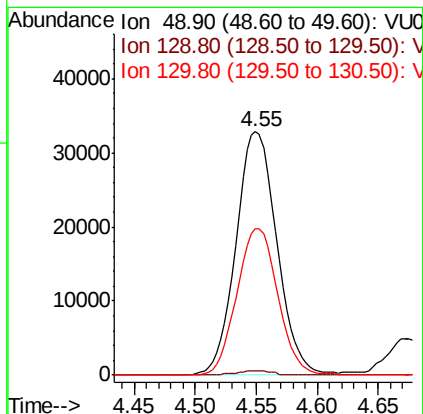
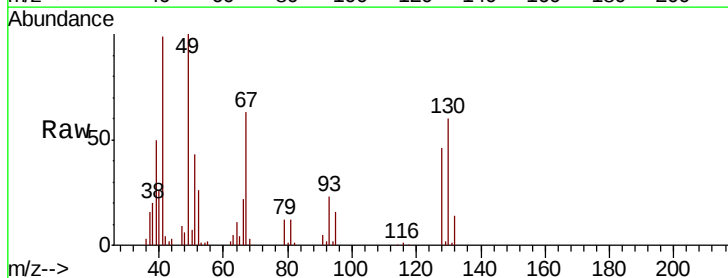
MMDadoda
12/4/2018 11:18:32 AM

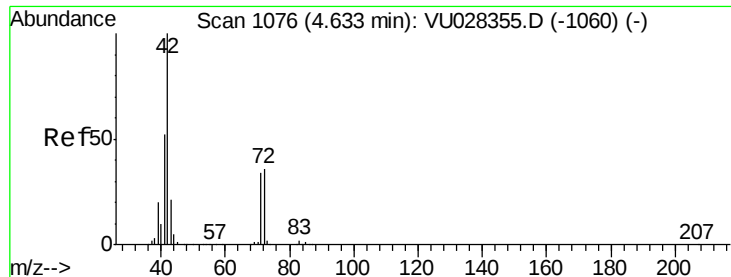


#28

Bromochloromethane
Concen: 19.384 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.6
130	60.2	44.5	66.7





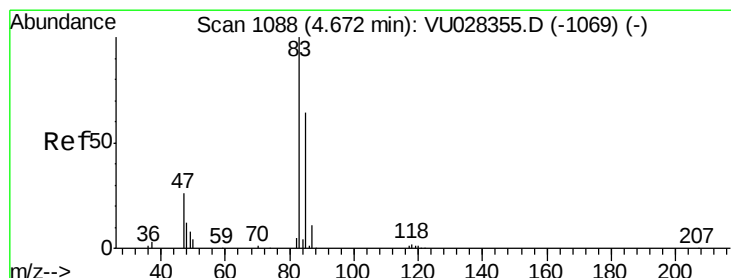
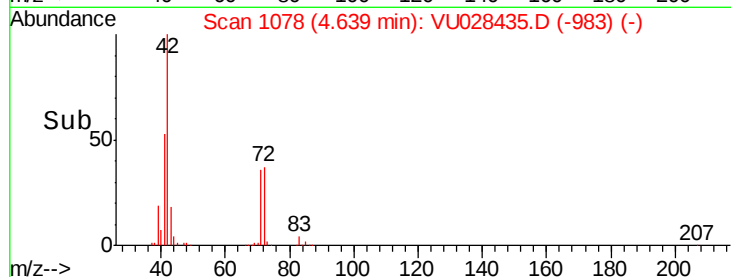
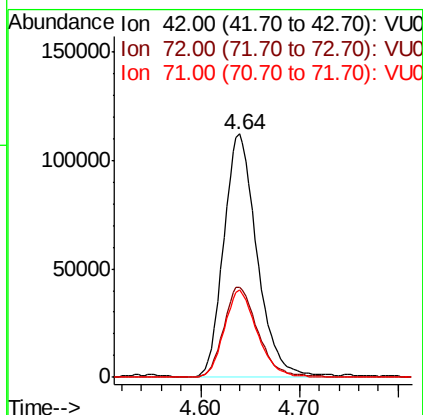
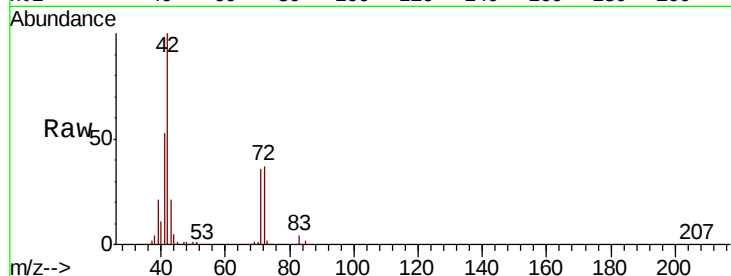
#29
Tetrahydrofuran
Concen: 95.477 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	29.5	44.3
71	35.4	27.7	41.5

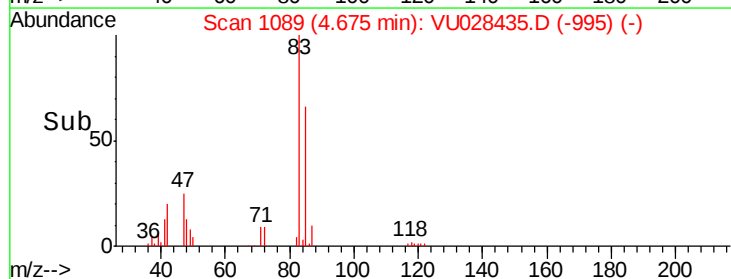
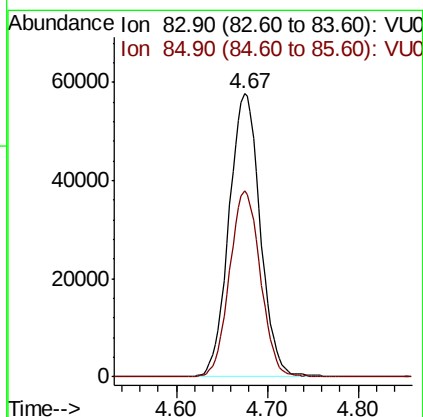
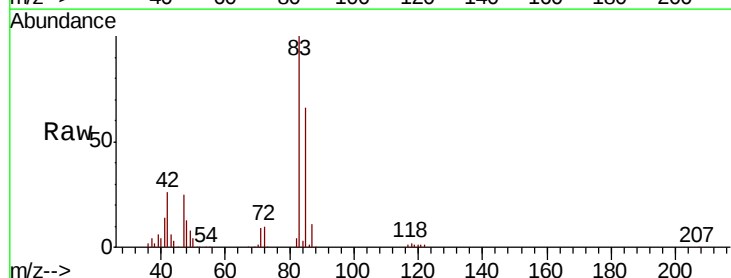
Manual Integrations
APPROVED

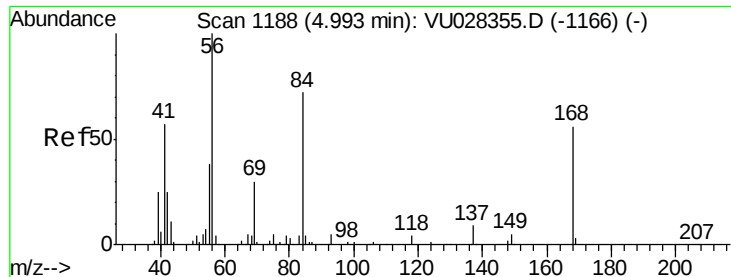
MMDadoda
12/4/2018 11:18:32 AM



#30
Chloroform
Concen: 18.927 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.2	76.8





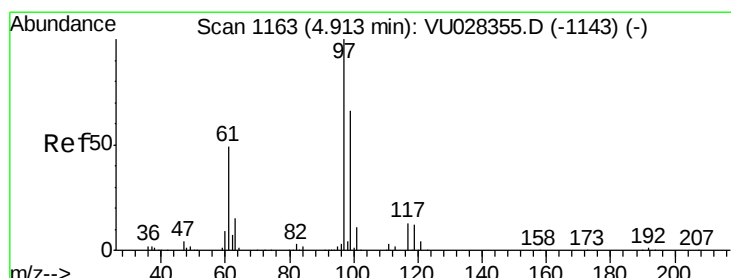
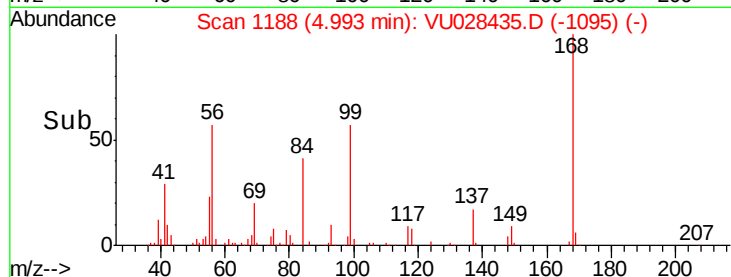
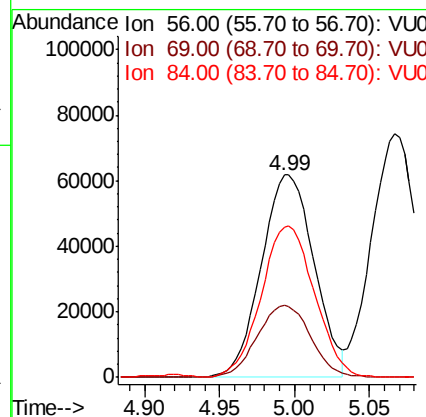
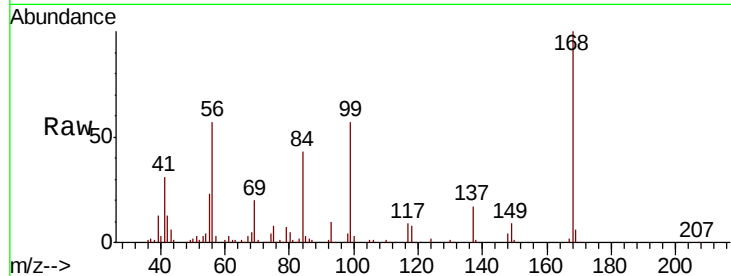
#31
Cyclohexane
Concen: 18.499 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	23.7	35.5#
84	73.6	57.3	85.9

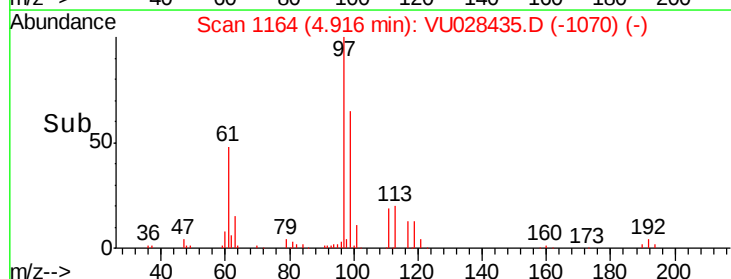
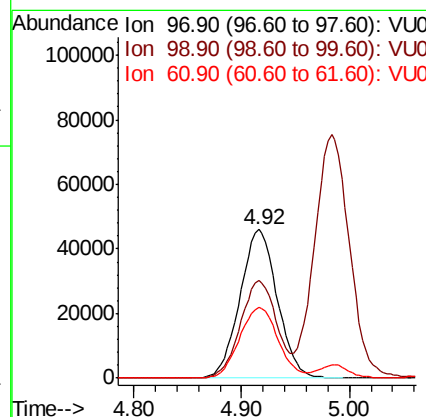
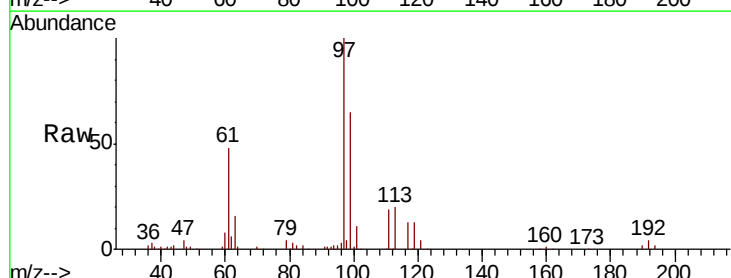
Manual Integrations
APPROVED

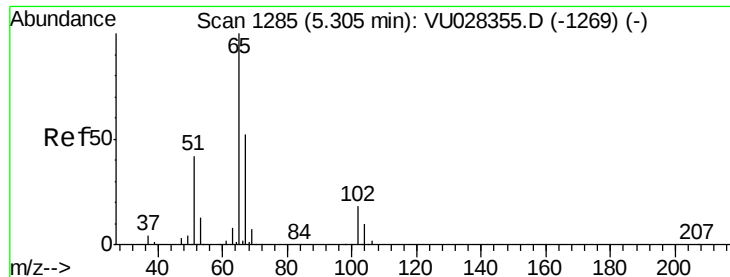
MMDadoda
12/4/2018 11:18:32 AM



#32
1,1,1-Trichloroethane
Concen: 18.963 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.8	76.2
61	49.5	39.1	58.7





#33

1,2-Dichloroethane-d4

Concen: 48.467 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBSD01

Tot Ion: 65 Resp: 235532

Ion Ratio Lower Upper

65 100

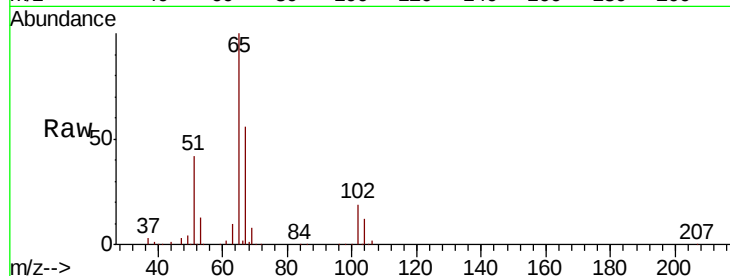
67 55.0 0.0 106.8

Manual Integrations

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MMDadoda

12/4/2018 11:18:32 AM



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

5.31

120000

100000

80000

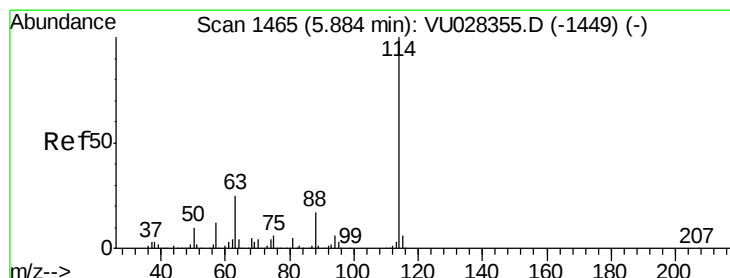
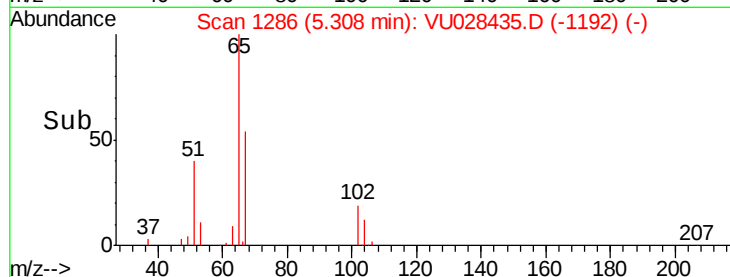
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

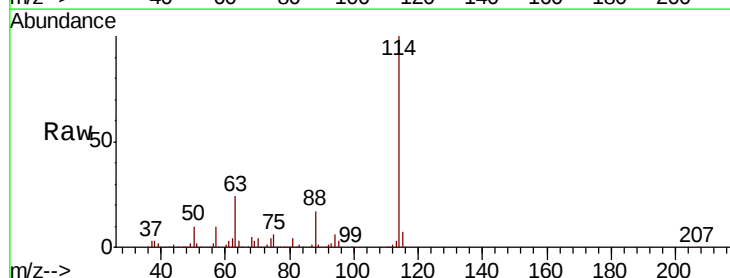
Tgt Ion: 114 Resp: 520551

Ion Ratio Lower Upper

114 100

63 23.9 0.0 50.0

88 16.9 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

5.89

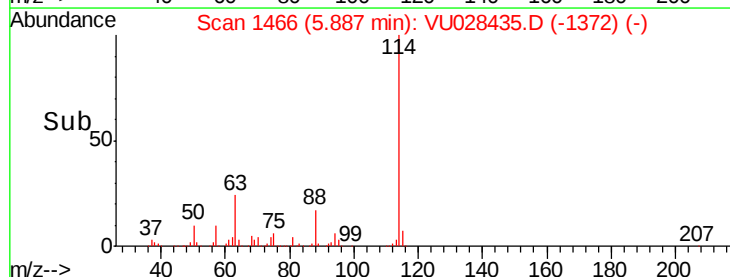
300000

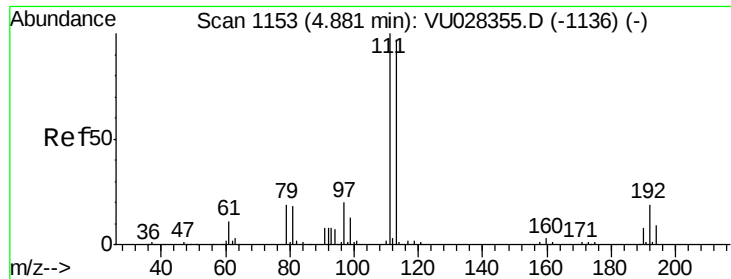
200000

100000

0

Time-->





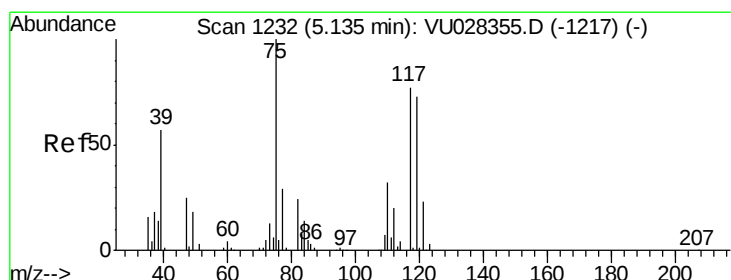
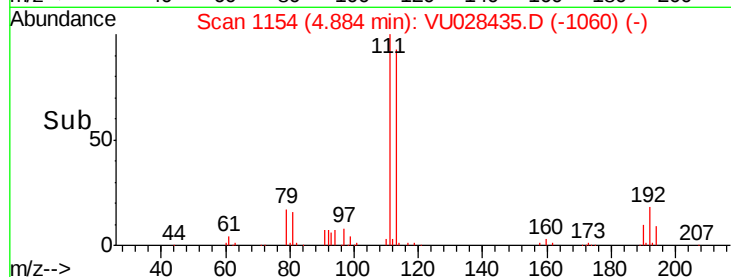
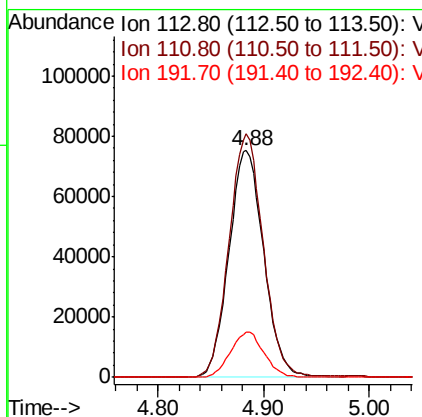
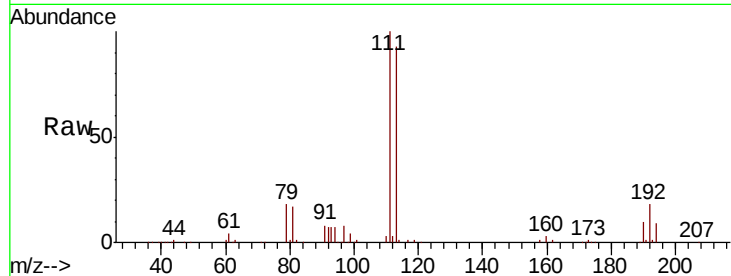
#35
Dibromofluoromethane
Concen: 49.661 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	171898		
111	105.6	82.9	124.3	
192	19.3	15.4	23.0	

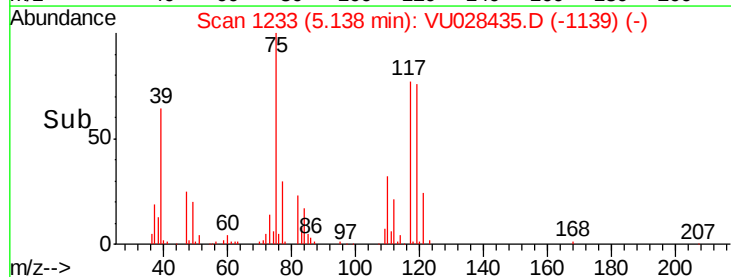
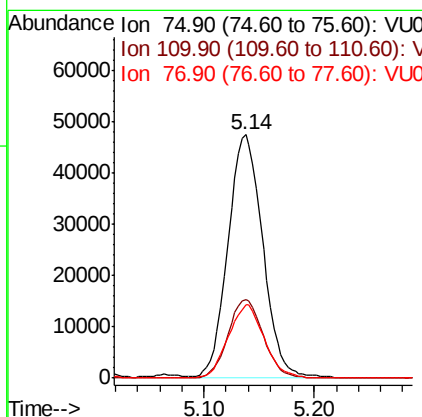
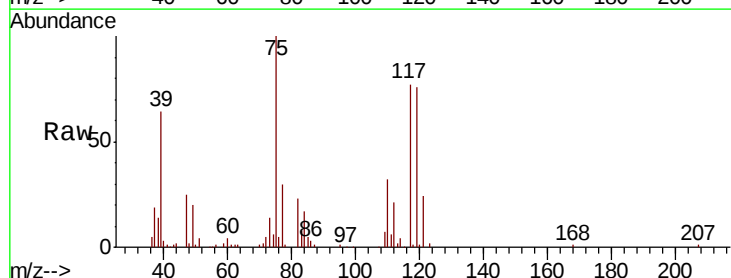
Manual Integrations
APPROVED

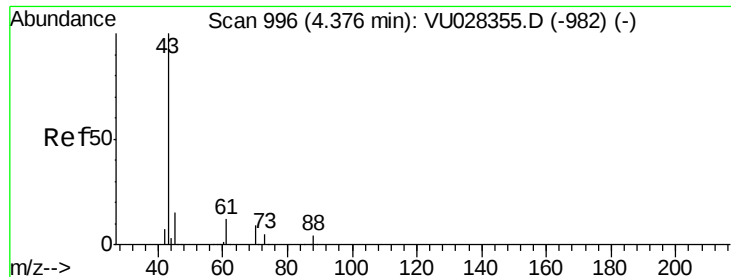
MMDadoda
12/4/2018 11:18:32 AM



#36
1,1-Dichloropropene
Concen: 18.160 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	103447		
110	32.7	15.8	47.4	
77	31.1	24.6	36.8	





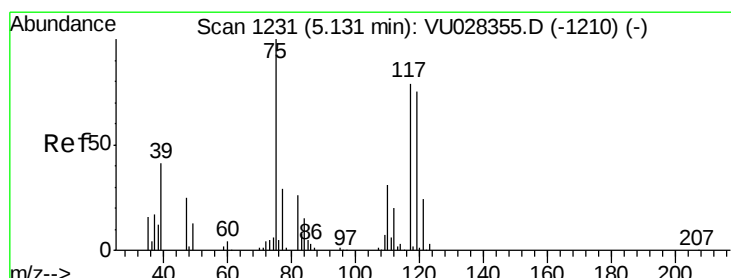
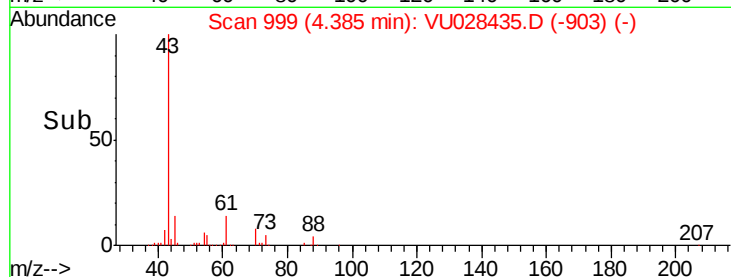
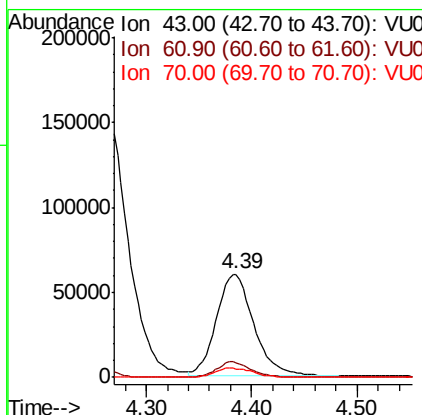
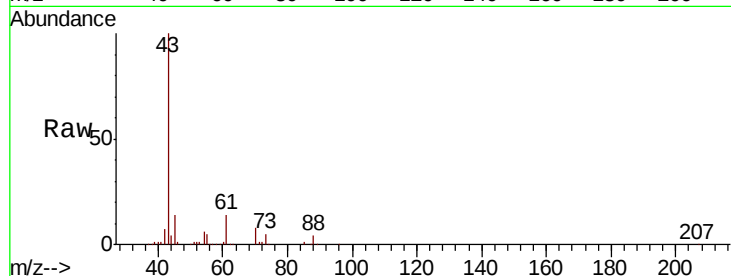
#37
Ethyl Acetate
Concen: 18.961 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.01 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.2	15.4
70	9.2	6.9	10.3

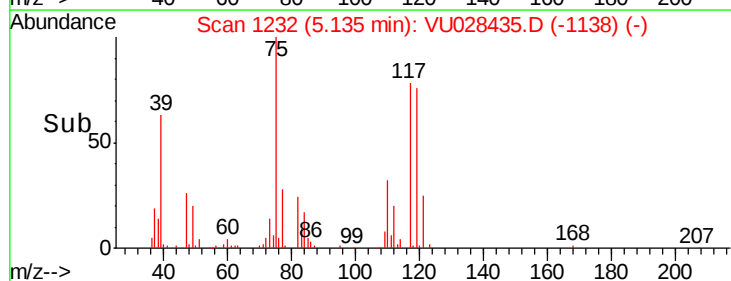
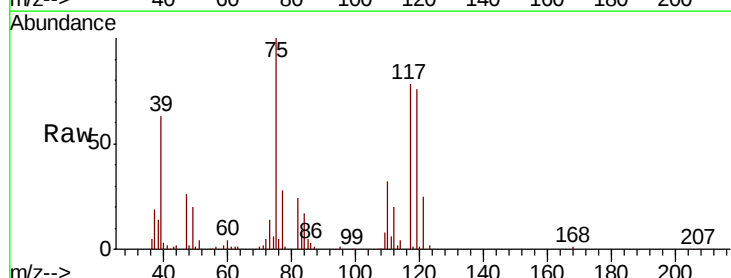
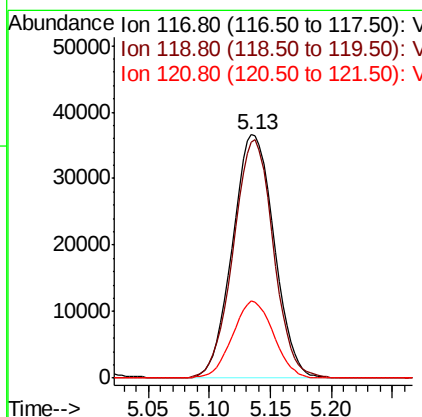
Manual Integrations
APPROVED

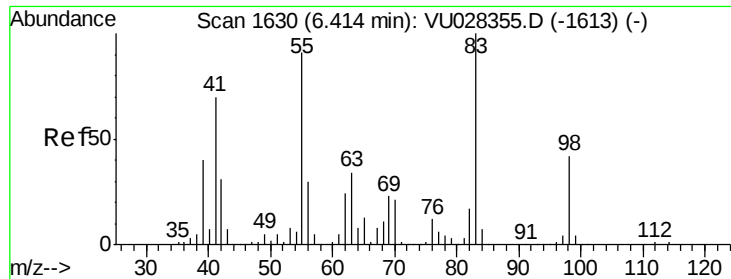
MMDadoda
12/4/2018 11:18:32 AM



#38
Carbon Tetrachloride
Concen: 18.553 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.3	114.5
121	31.5	24.7	37.1





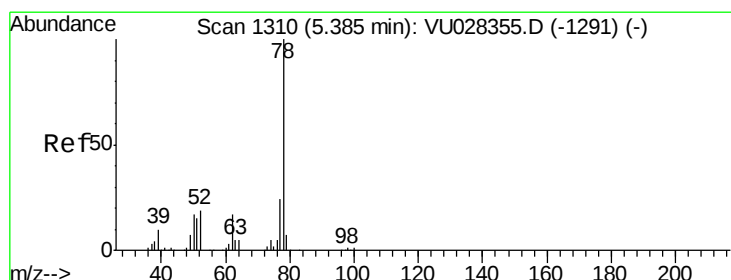
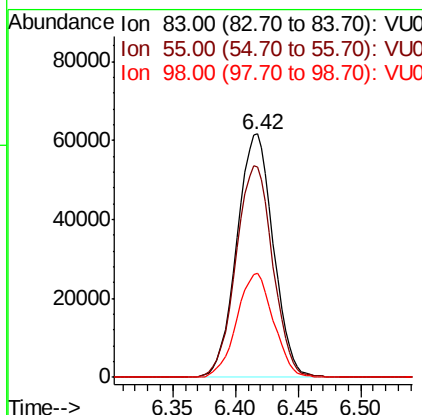
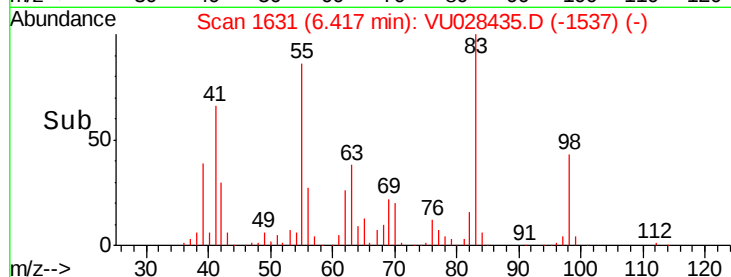
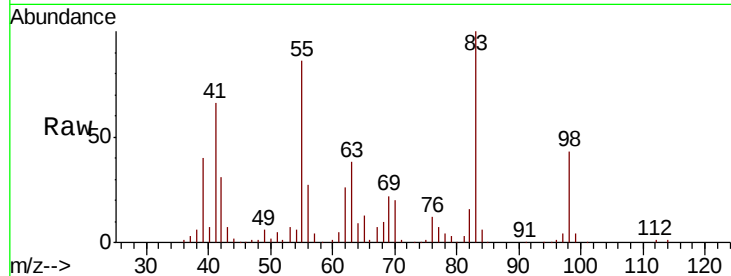
#39
Methvlcvclohexane
Concen: 18.589 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	83.00	Resp	124843
Ion Ratio	Lower	Upper	
83	100		
55	86.2	73.1	109.7
98	42.8	33.9	50.9

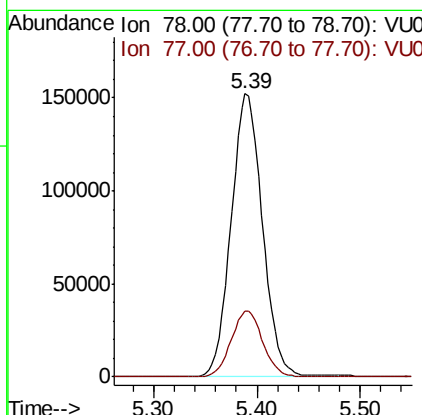
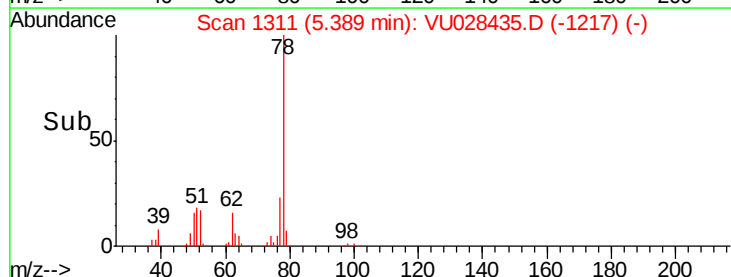
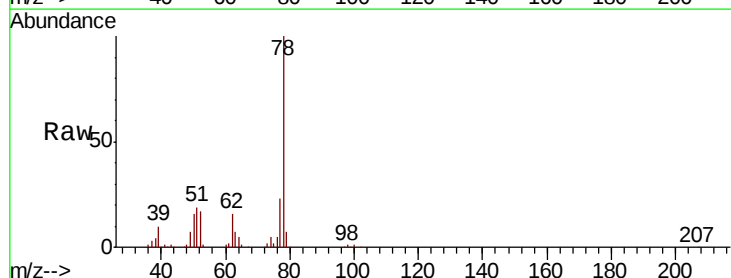
Manual Integrations
APPROVED

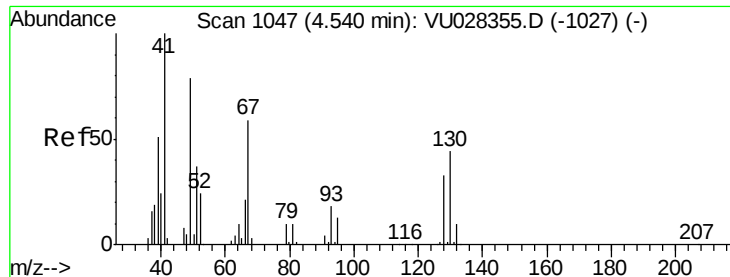
MMDadoda
12/4/2018 11:18:32 AM



#40
Benzene
Concen: 19.104 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	78.00	Resp	322312
Ion Ratio	Lower	Upper	
78	100		
77	23.1	19.0	28.6





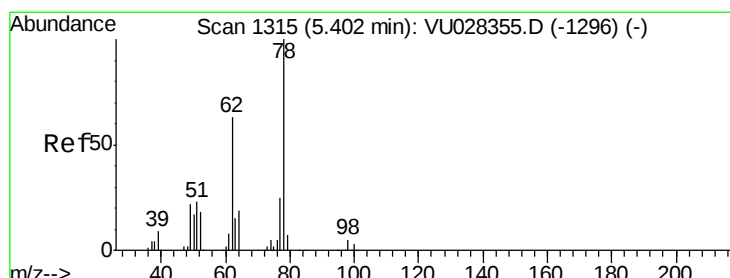
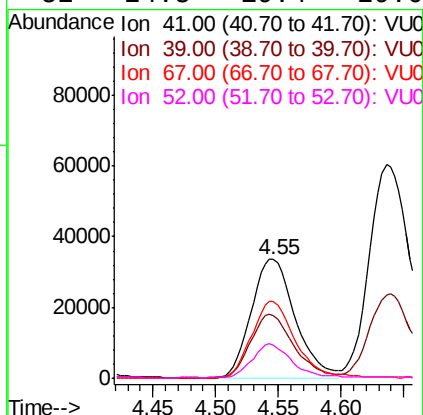
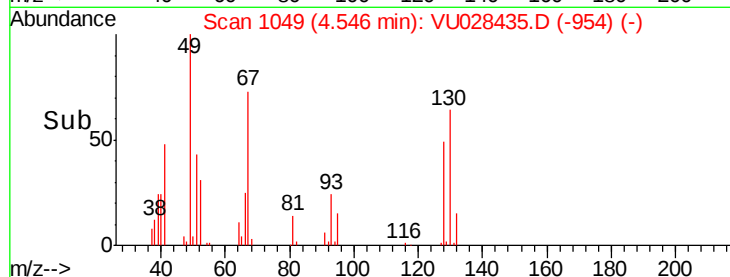
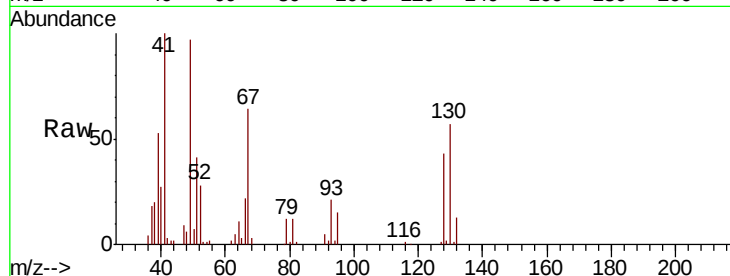
#41
Methacrylonitrile
Concen: 19.044 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.01 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		82099		
39	52.9	41.3	61.9		
67	63.7	48.6	73.0		
52	24.8	19.4	29.0		

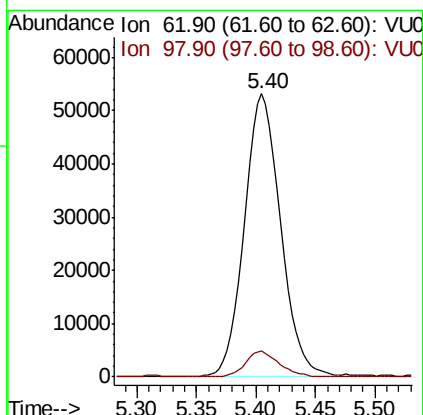
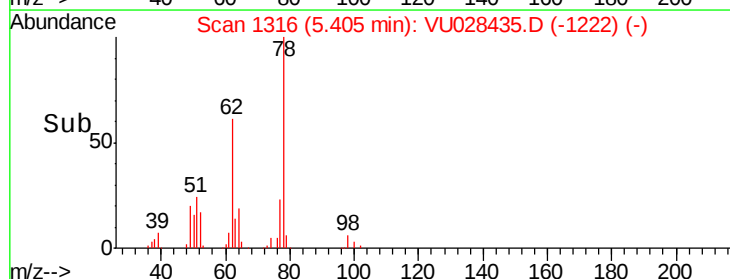
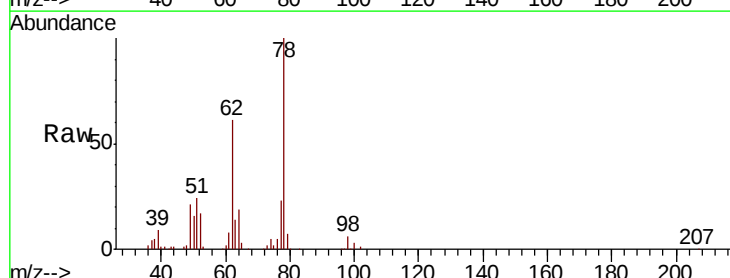
Manual Integrations
APPROVED

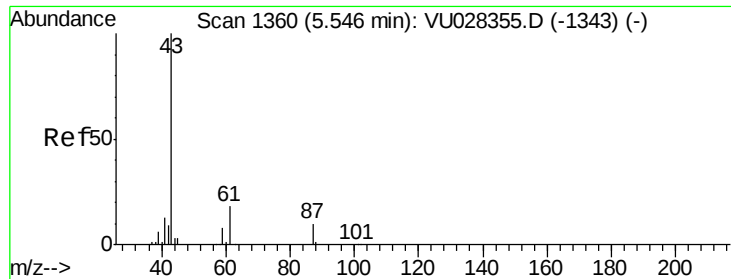
MMDadoda
12/4/2018 11:18:32 AM



#42
1,2-Dichloroethane
Concen: 18.492 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		112388		
98	8.4	0.0	15.4		





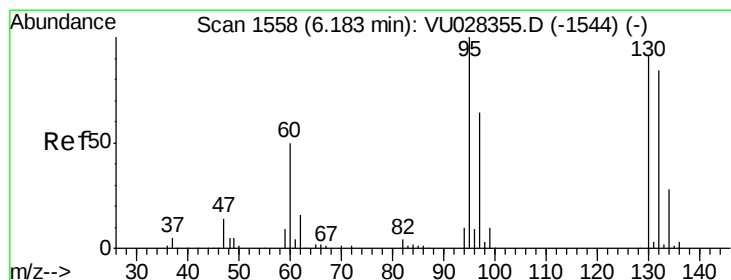
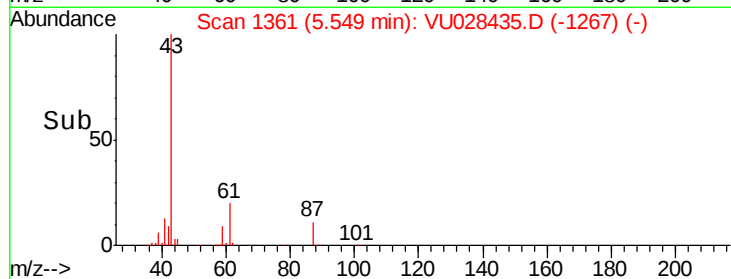
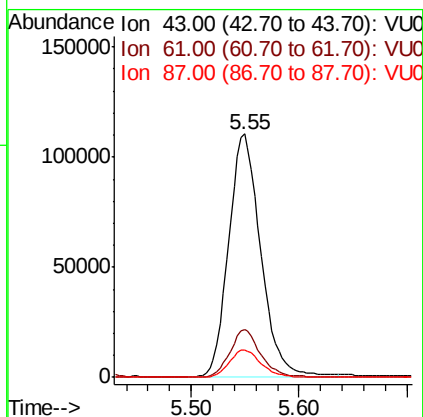
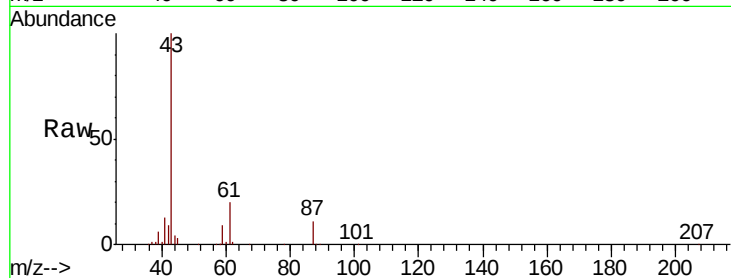
#43
Isopropyl Acetate
Concen: 18.476 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.5	21.7
87	11.4	8.4	12.6

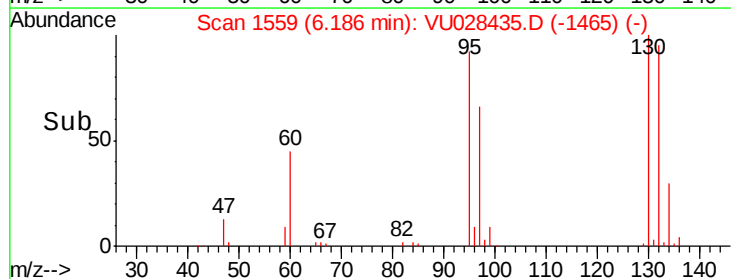
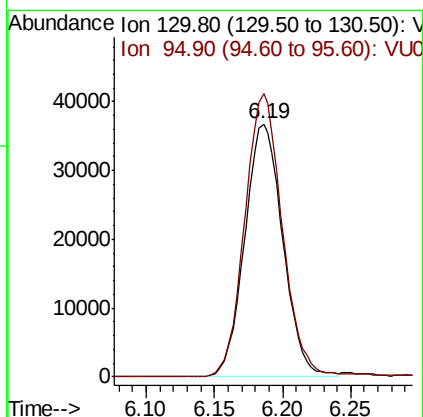
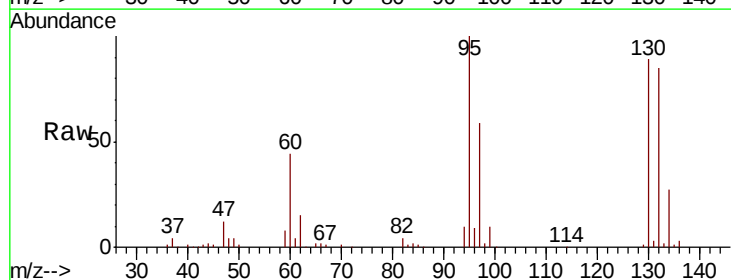
Manual Integrations
APPROVED

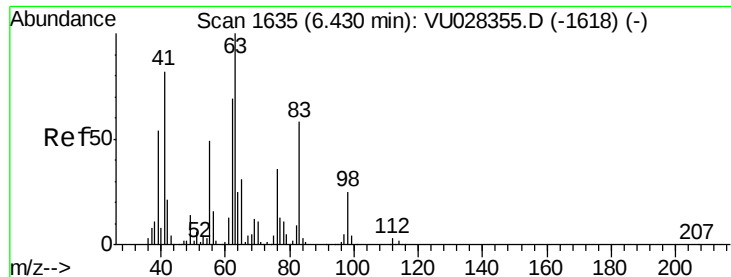
MMDadoda
12/4/2018 11:18:32 AM



#44
Trichloroethene
Concen: 19.736 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.0	0.0	219.8





#45

1,2-Dichloropropane

Concen: 18.635 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBSD01

Tot Ion: 63 Resp: 92068

Ion Ratio Lower Upper

63 100

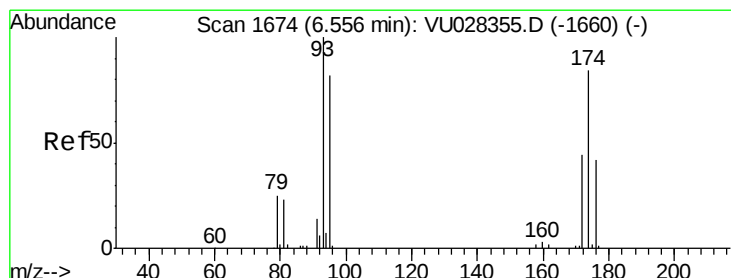
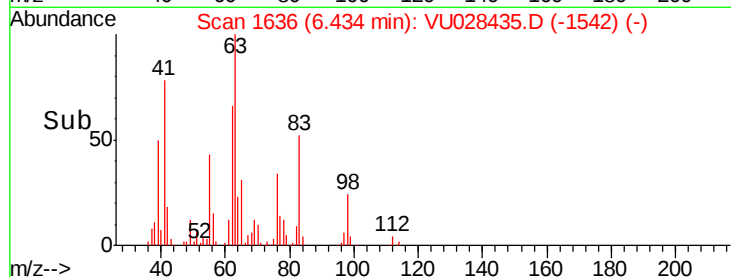
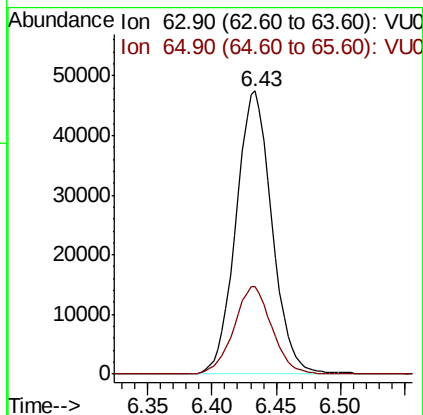
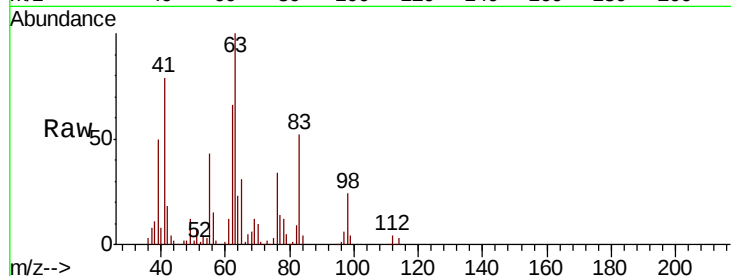
65 31.0 25.1 37.7

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 18.946 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

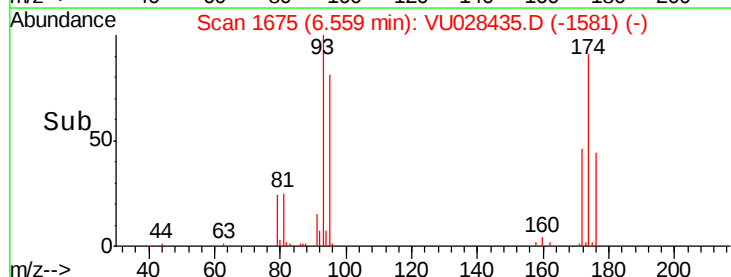
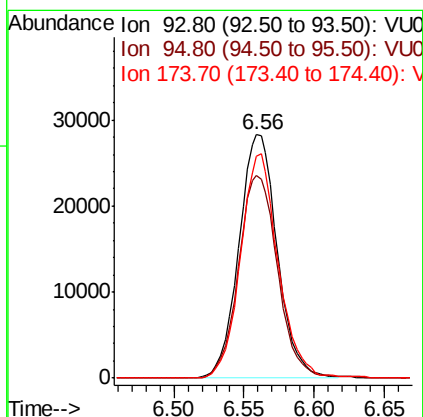
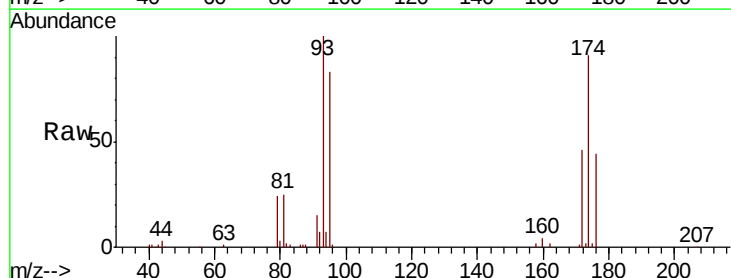
Tgt Ion: 93 Resp: 53765

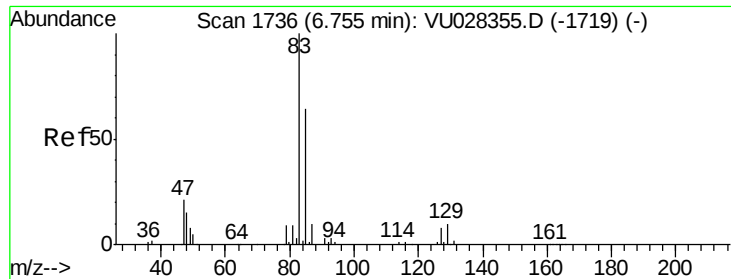
Ion Ratio Lower Upper

93 100

95 84.9 65.1 97.7

174 90.6 69.9 104.9





#47

Bromodichloromethane

Concen: 18.566 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

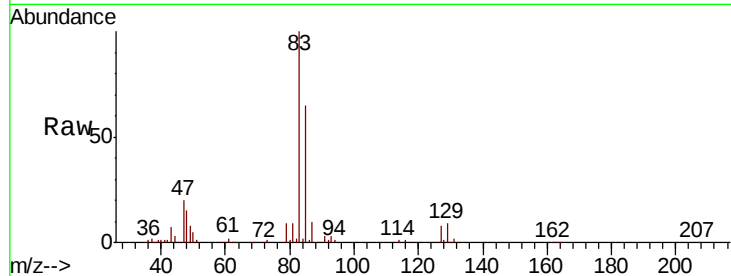
ClientSampleId :

VU1203WBSD01

Tot Ion:	83	Resp:	104800
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.9	76.3
127	8.0	6.2	9.4

Manual Integrations
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12/4/2018 11:18:32 AM

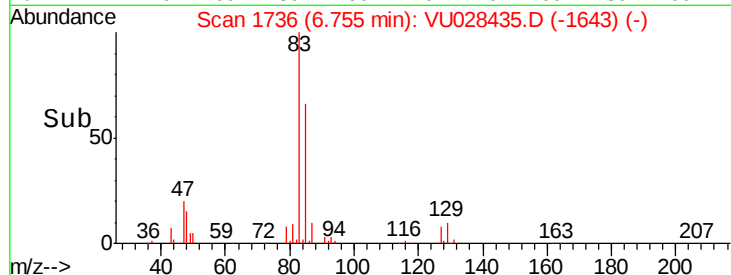


Abundance Ion 82.90 (82.60 to 83.60): VU028355.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VU028355.D (-1719) (-)

Ion 126.80 (126.50 to 127.50): VU028355.D (-1719) (-)

Time-->



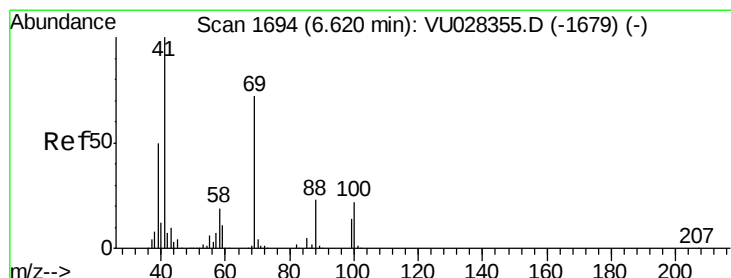
Abundance

Ion 82.90 (82.60 to 83.60): VU028435.D (-1643) (-)

Ion 84.90 (84.60 to 85.60): VU028435.D (-1643) (-)

Ion 126.80 (126.50 to 127.50): VU028435.D (-1643) (-)

Time-->



#48

Methyl methacrylate

Concen: 18.015 ug/l

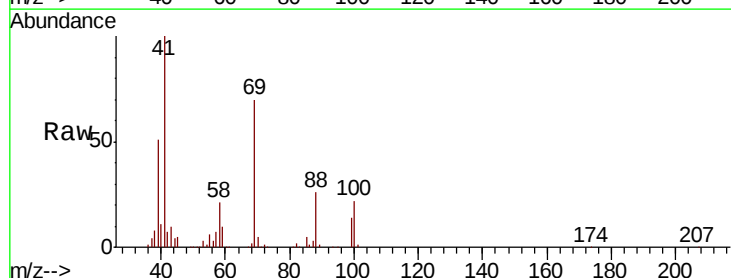
RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Tgt Ion:	41	Resp:	115435
Ion Ratio	Lower	Upper	
41	100		
69	74.7	59.0	88.4
39	52.6	40.5	60.7

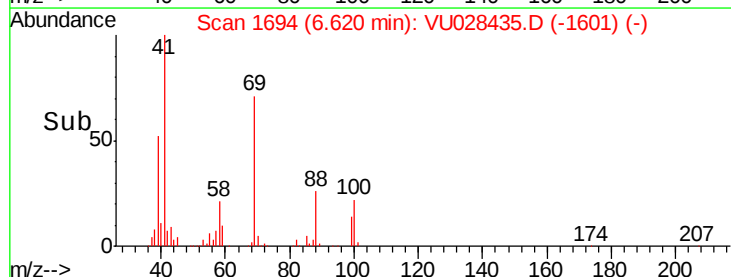


Abundance Ion 41.00 (40.70 to 41.70): VU028355.D (-1679) (-)

Ion 69.00 (68.70 to 69.70): VU028355.D (-1679) (-)

Ion 39.00 (38.70 to 39.70): VU028355.D (-1679) (-)

Time-->



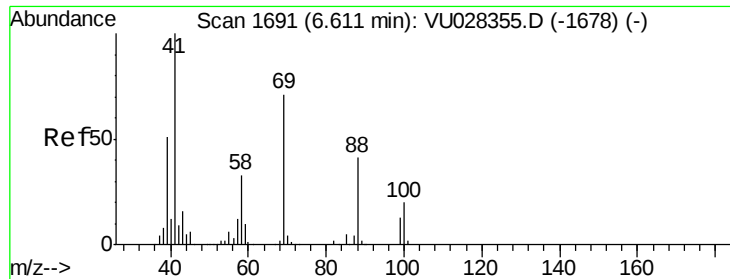
Abundance

Ion 41.00 (40.70 to 41.70): VU028435.D (-1601) (-)

Ion 69.00 (68.70 to 69.70): VU028435.D (-1601) (-)

Ion 39.00 (38.70 to 39.70): VU028435.D (-1601) (-)

Time-->



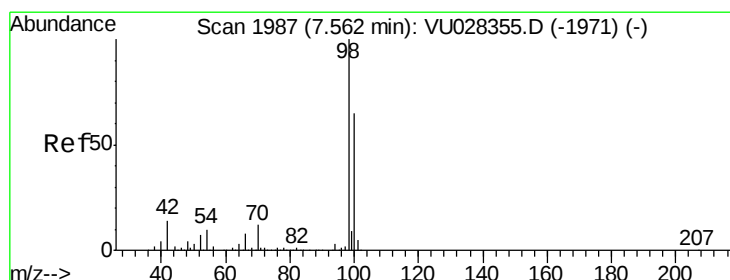
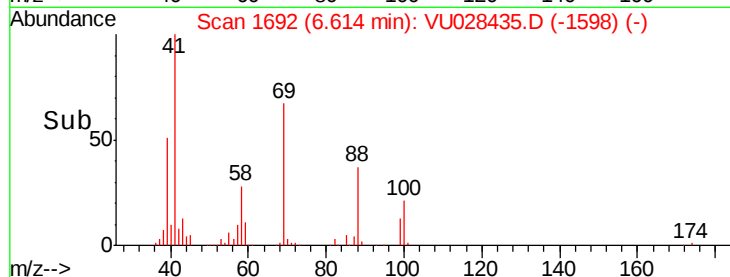
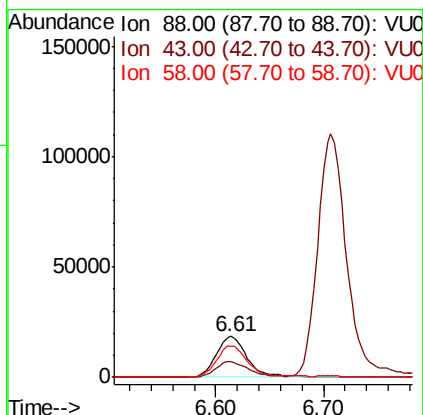
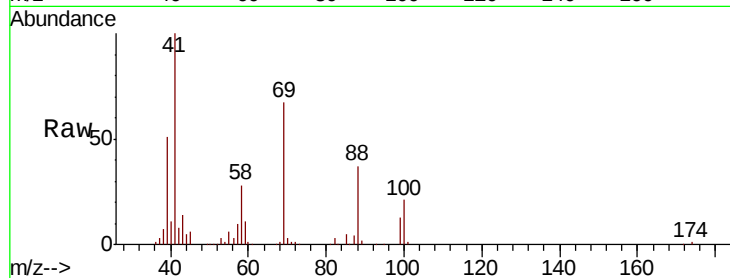
#49
1,4-Dioxane
Concen: 365.064 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	32.6	48.8
58	77.3	68.7	103.1

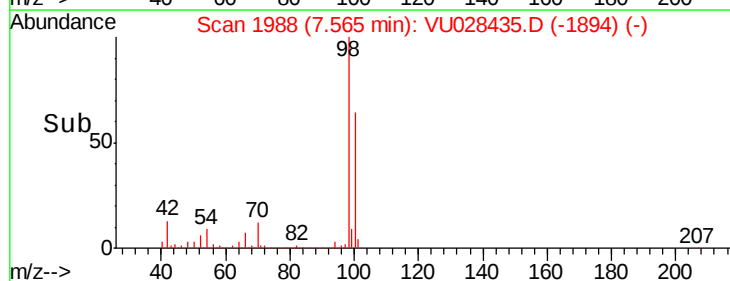
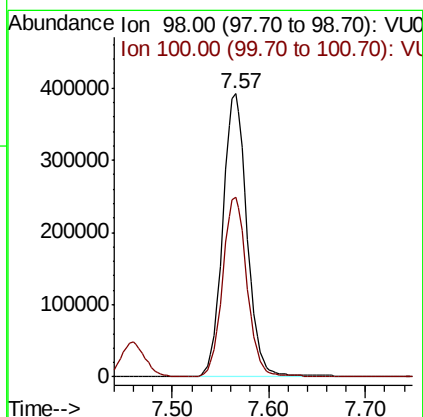
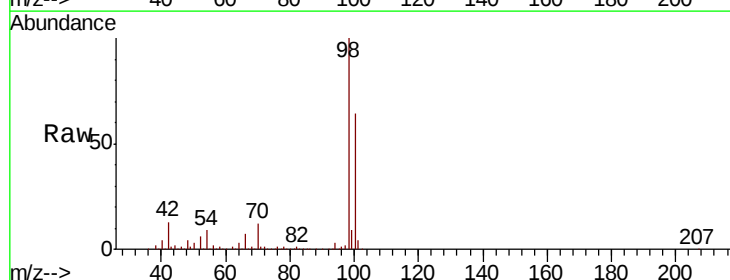
Manual Integrations
APPROVED

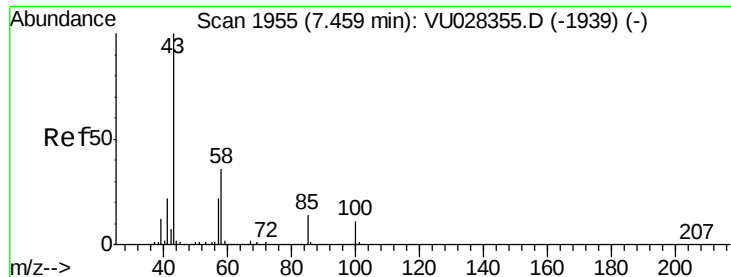
MMDadoda
12/4/2018 11:18:32 AM



#50
Toluene-d8
Concen: 49.504 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 92.573 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBSD01

Tot Ion: 43 Resp: 727313

Ion Ratio Lower Upper

43 100

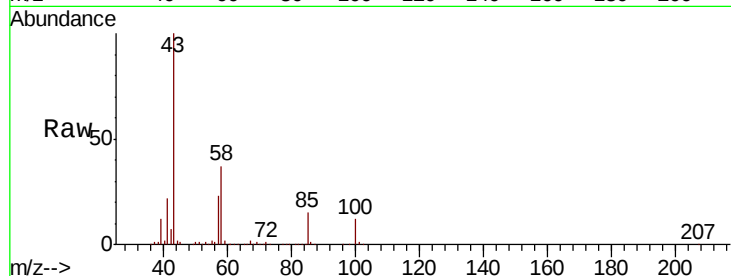
58 36.8 28.8 43.2

Manual Integrations

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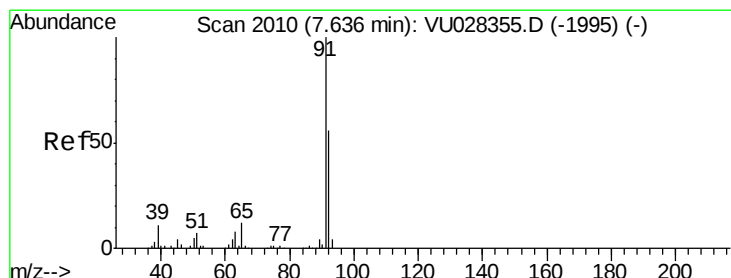
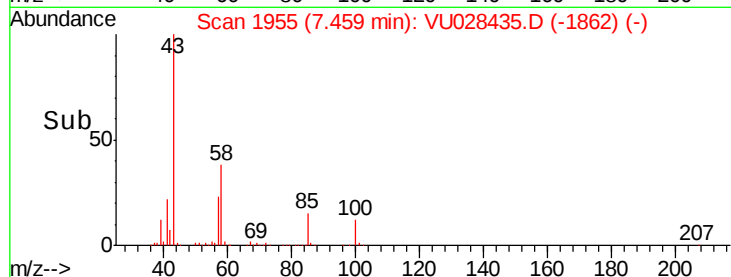
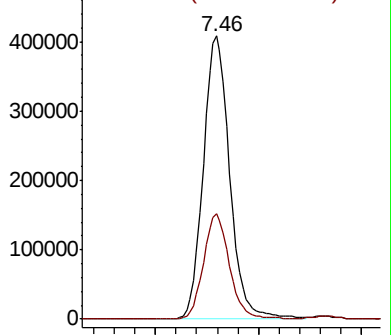
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 19.453 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028435.D

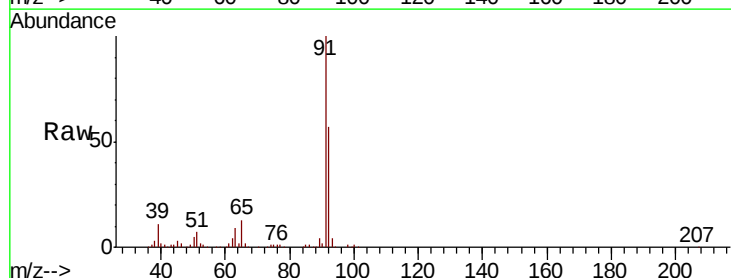
Acq: 03 Dec 2018 12:49

Tgt Ion: 92 Resp: 188987

Ion Ratio Lower Upper

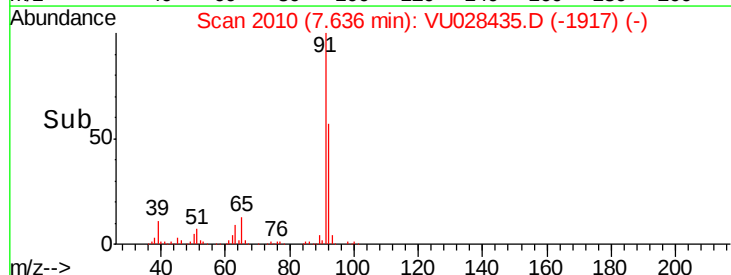
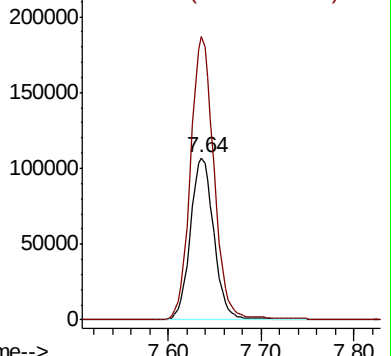
92 100

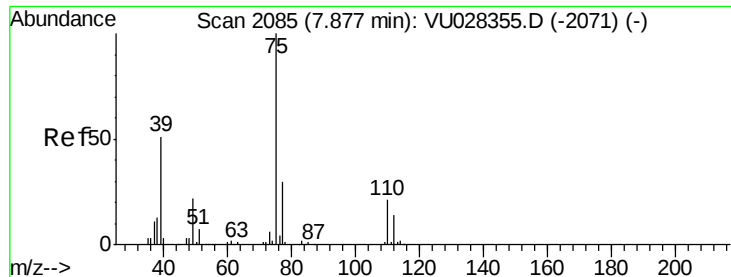
91 172.5 141.8 212.6



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: 18.190 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBSD01

Tot Ion: 75 Resp: 122778

Ion Ratio Lower Upper

75 100

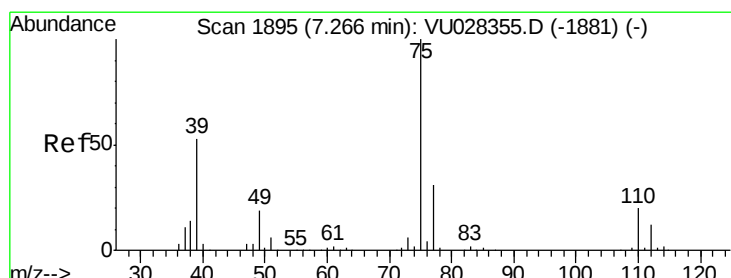
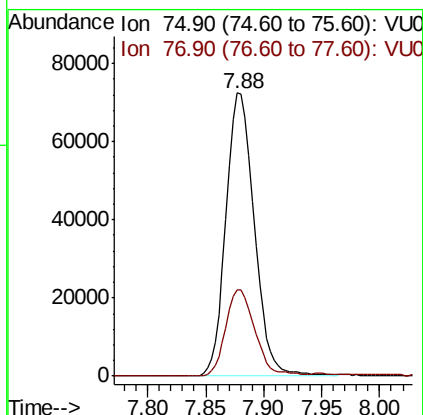
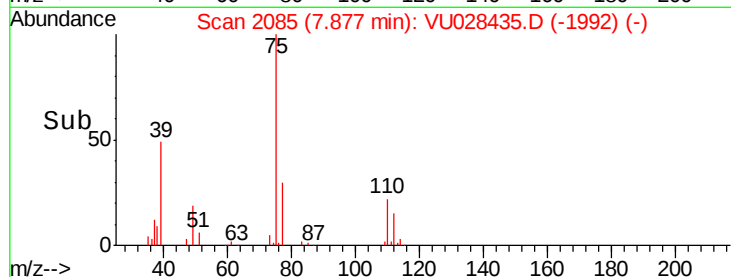
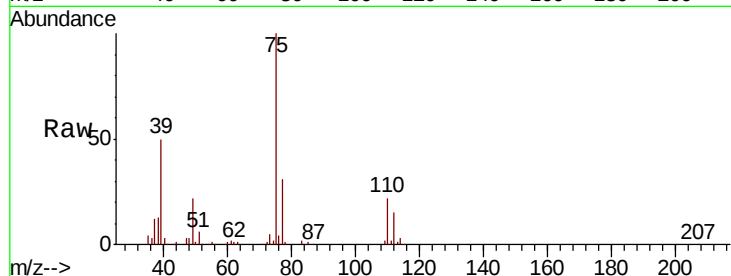
77 30.5 24.1 36.1

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.541 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

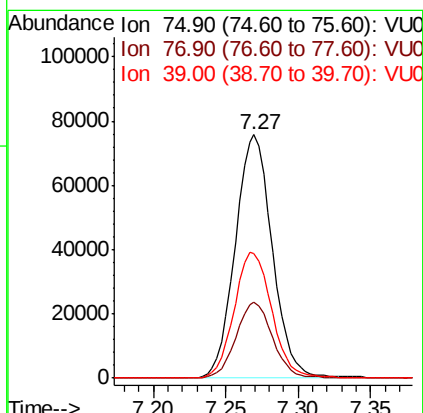
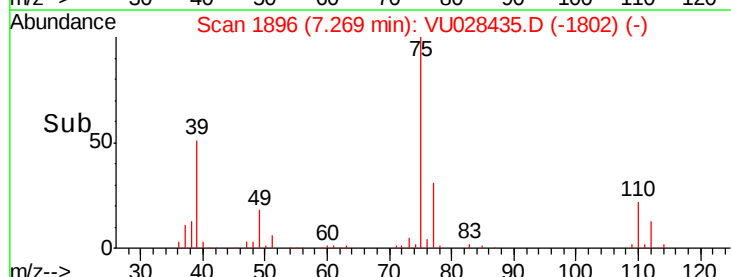
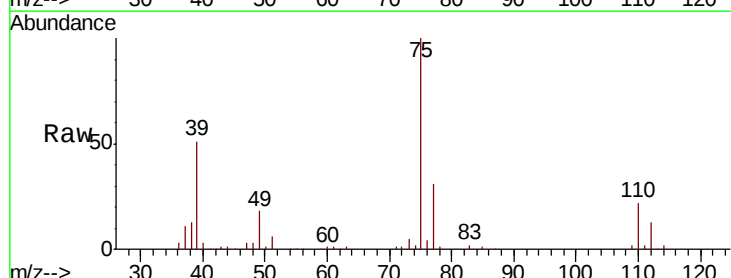
Tgt Ion: 75 Resp: 134069

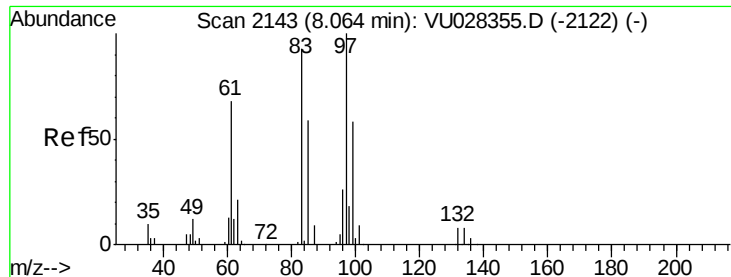
Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3

39 50.9 42.6 64.0





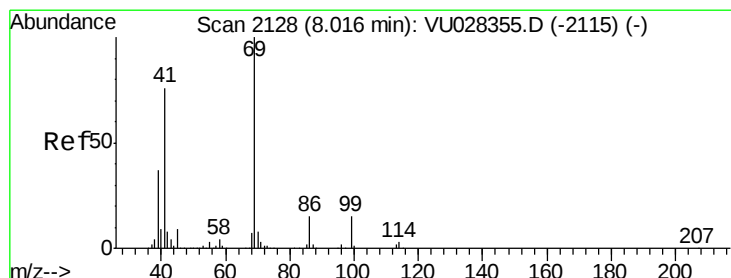
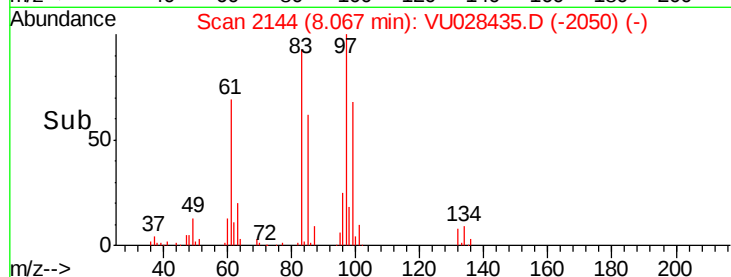
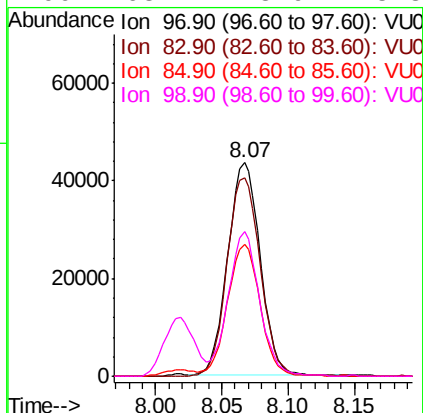
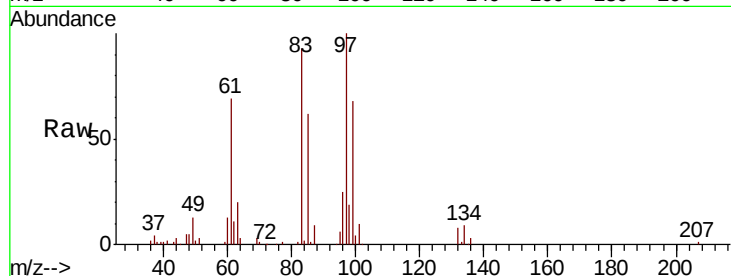
#55
 1,1,2-Trichloroethane
 Concen: 18.358 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028435.D
 Acq: 03 Dec 2018 12:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBSD01

Tot Ion:	97	Resp:	74227
Ion	Ratio	Lower	Upper
97	100		
83	93.3	74.3	111.5
85	61.8	47.2	70.8
99	68.2	48.9	73.3

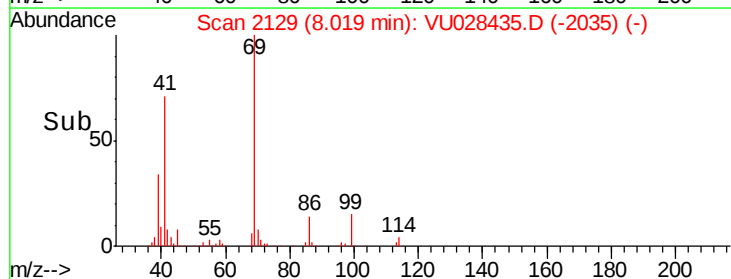
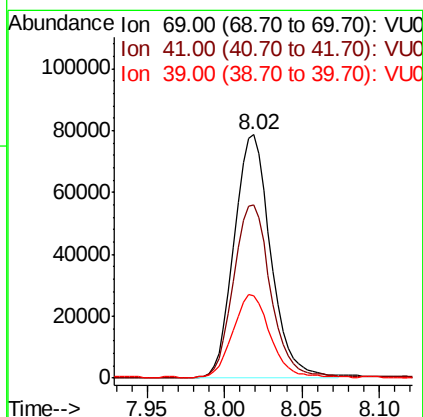
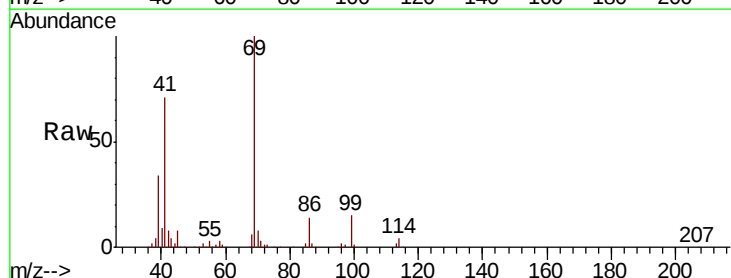
Manual Integrations
 APPROVED

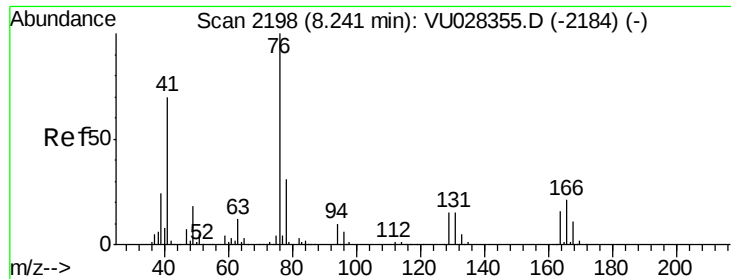
MMDadoda
 12/4/2018 11:18:32 AM



#56
 Ethyl methacrylate
 Concen: 18.805 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028435.D
 Acq: 03 Dec 2018 12:49

Tgt Ion:	69	Resp:	129355
Ion	Ratio	Lower	Upper
69	100		
41	72.5	60.0	90.0
39	34.3	29.0	43.6





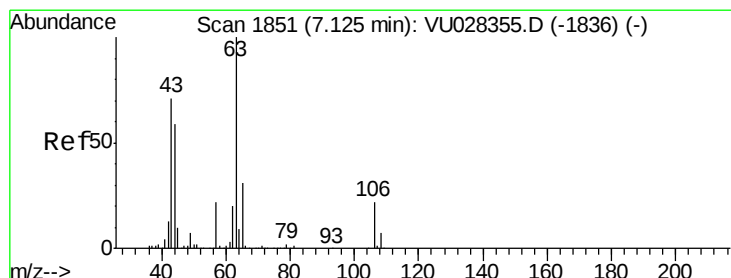
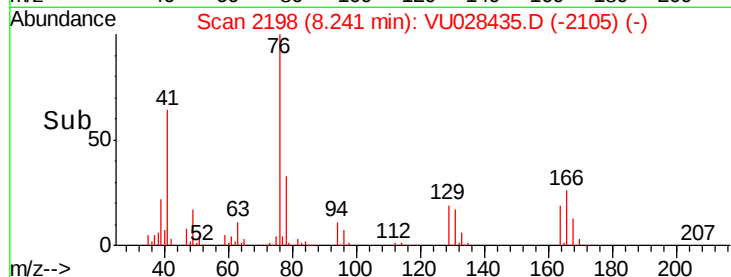
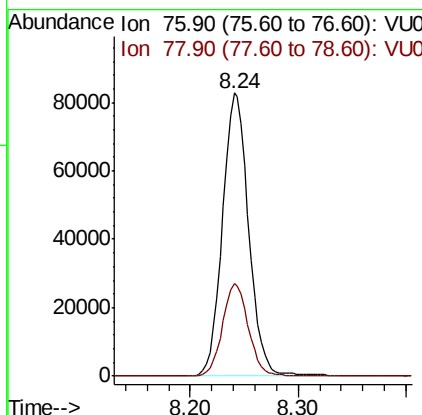
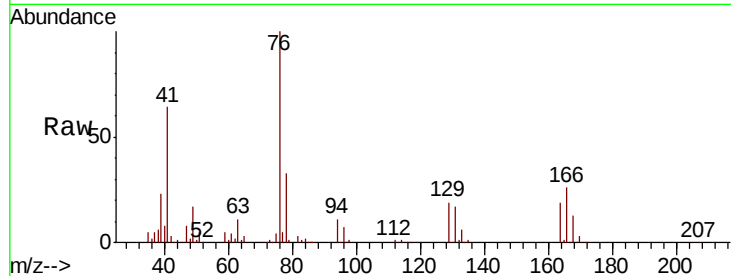
#57
 1,3-Dichloropropane
 Concen: 18.856 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028435.D
 Acq: 03 Dec 2018 12:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBSD01

Tot Ion: 76 Resp: 139811
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.4 38.0

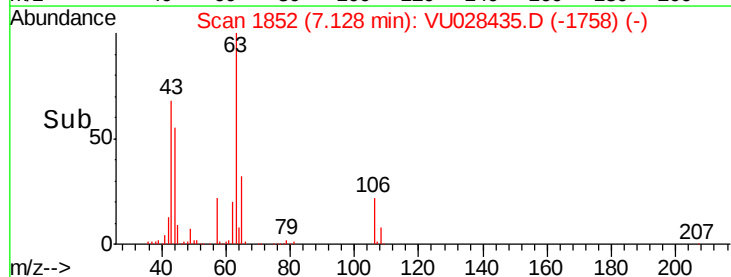
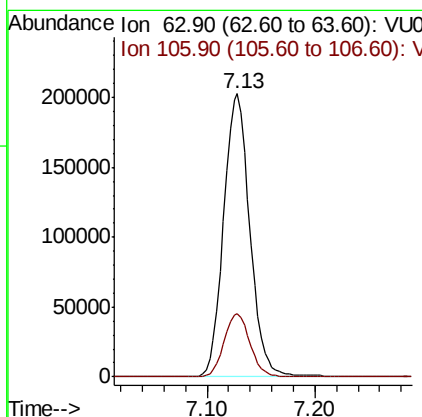
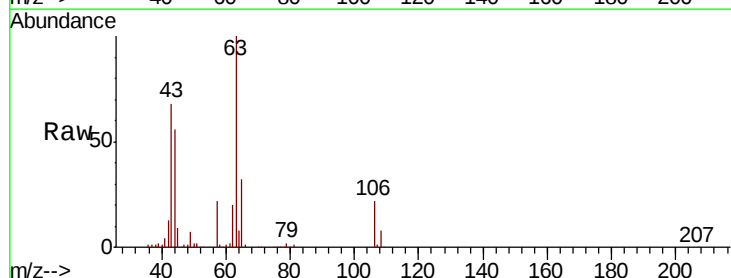
Manual Integrations
 APPROVED

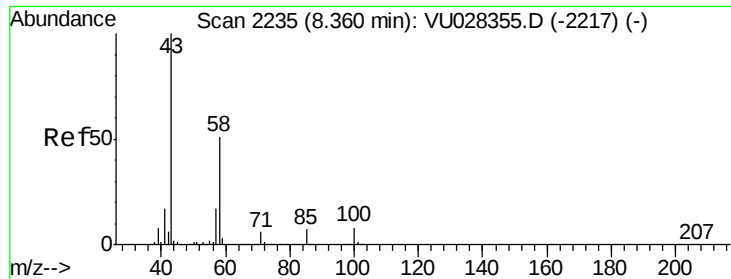
MMDadoda
 12/4/2018 11:18:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.881 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028435.D
 Acq: 03 Dec 2018 12:49

Tgt Ion: 63 Resp: 343014
 Ion Ratio Lower Upper
 63 100
 106 22.1 17.3 25.9





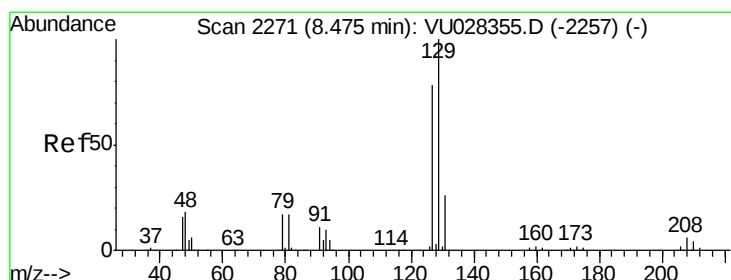
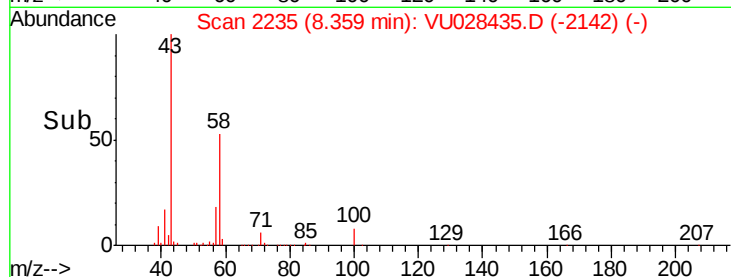
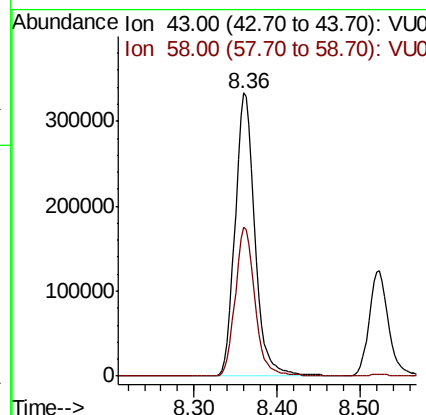
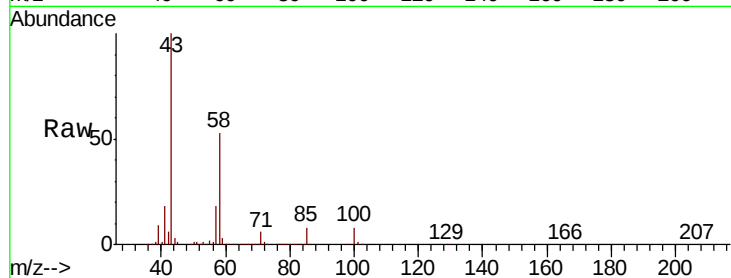
#59
2-Hexanone
Concen: 91.393 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion: 43 Resp: 556196
Ion Ratio Lower Upper
43 100
58 52.3 25.5 76.5

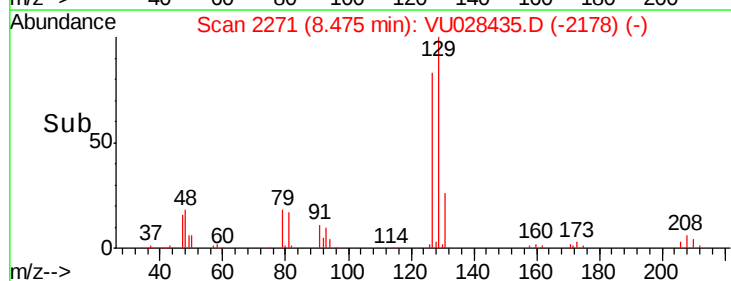
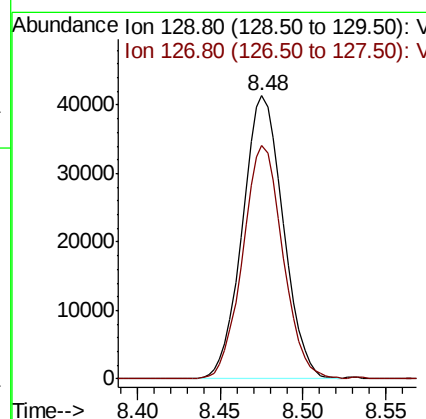
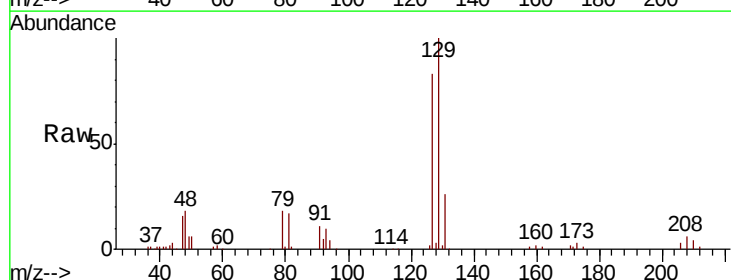
Manual Integrations
APPROVED

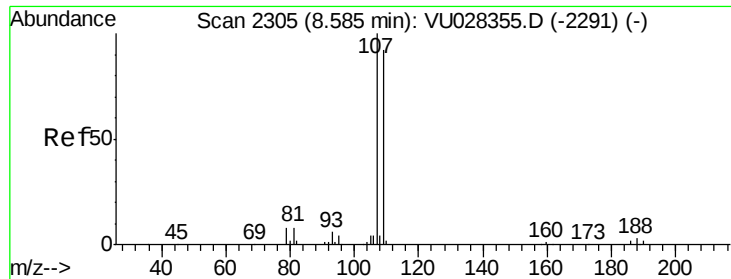
MMDadoda
12/4/2018 11:18:32 AM



#60
Dibromochloromethane
Concen: 18.449 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion: 129 Resp: 70944
Ion Ratio Lower Upper
129 100
127 81.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.539 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampled :

VU1203WBSD01

Tot Ion: 107 Resp: 80915

Ion Ratio Lower Upper

107 100

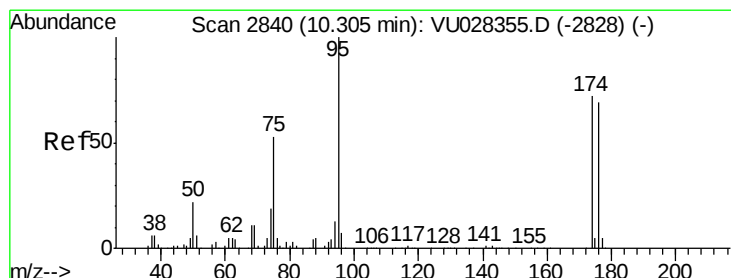
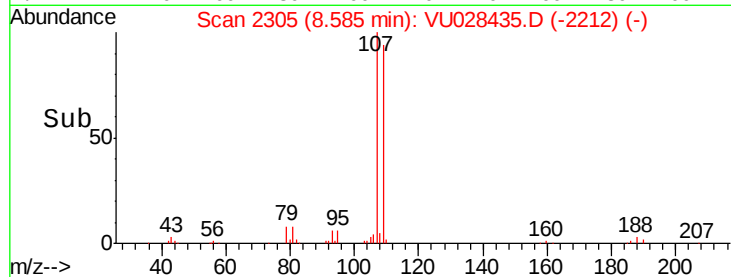
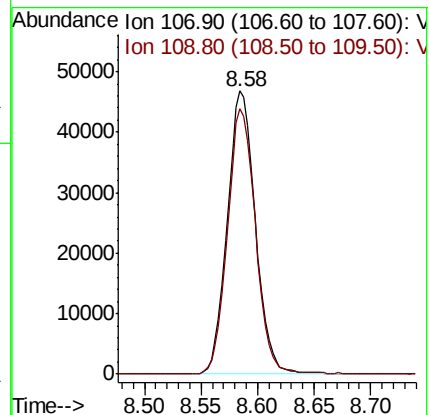
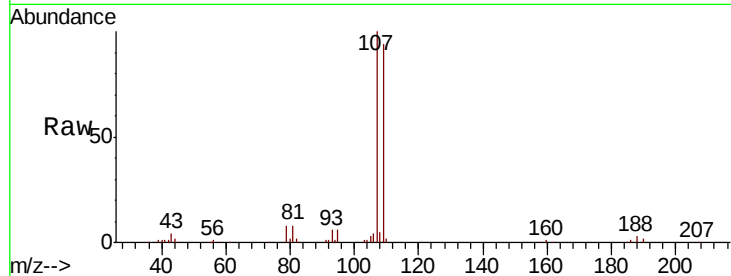
109 93.3 73.2 109.8

Manual Integrations

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 50.635 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

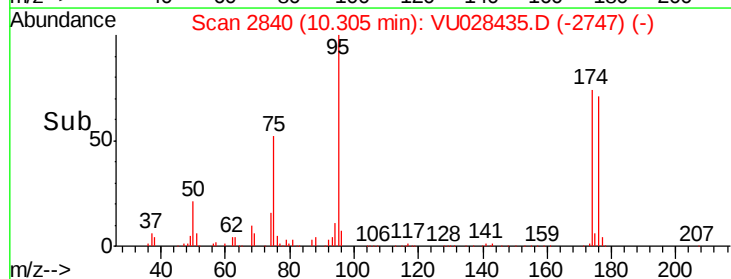
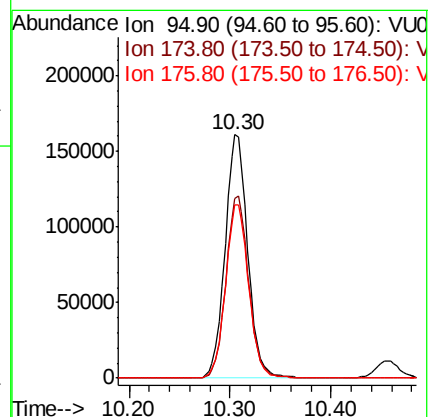
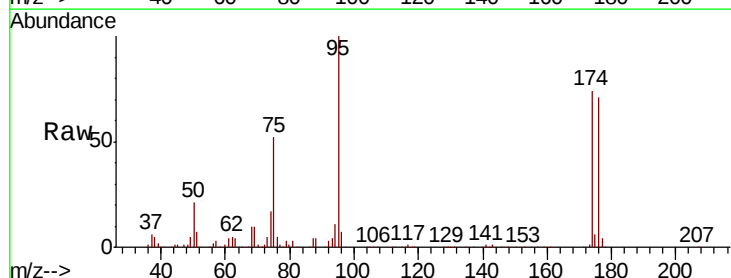
Tgt Ion: 95 Resp: 252644

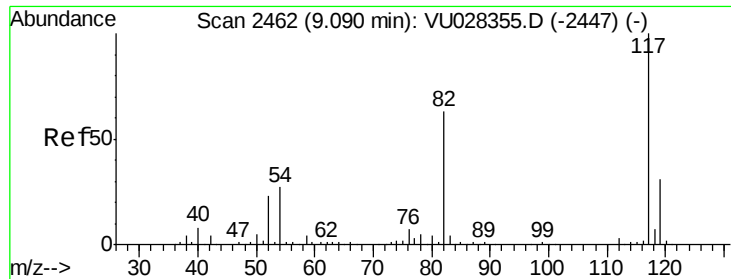
Ion Ratio Lower Upper

95 100

174 75.0 0.0 145.4

176 72.7 0.0 140.8





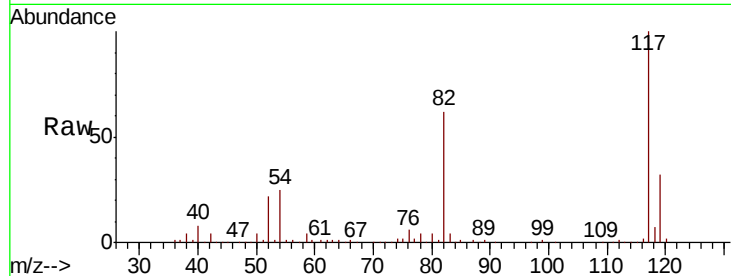
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	50.3	75.5
119	32.2	24.8	37.2

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12/4/2018 11:18:32 AM

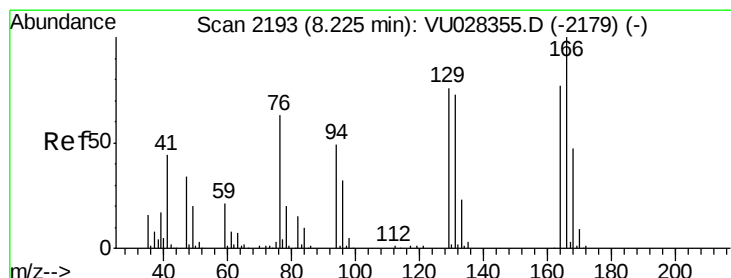
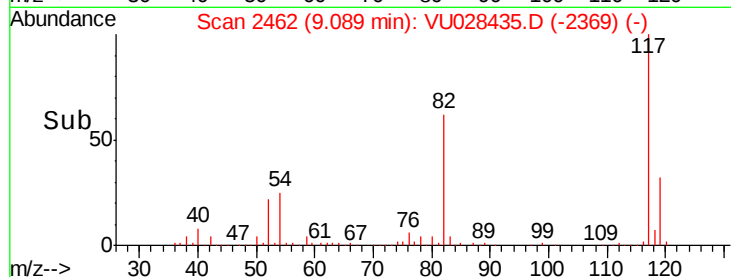
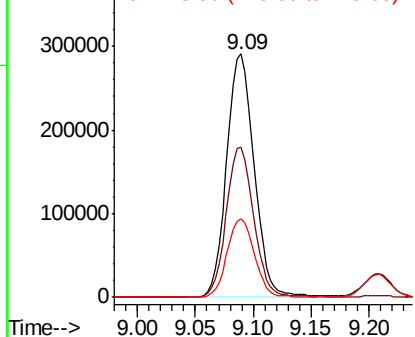


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.915 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	101.3	79.2	118.8
131	93.7	75.7	113.5

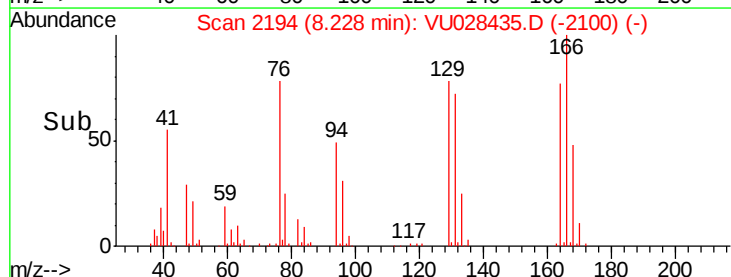
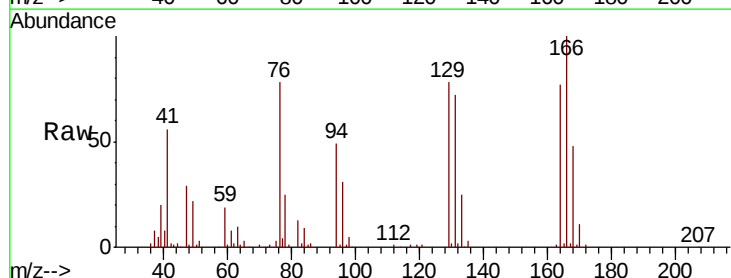
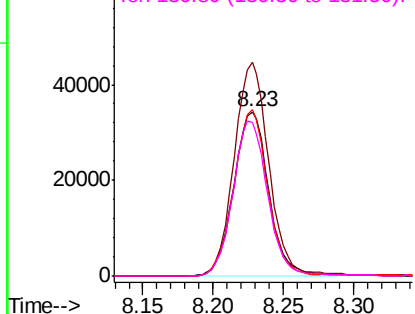
Abundance

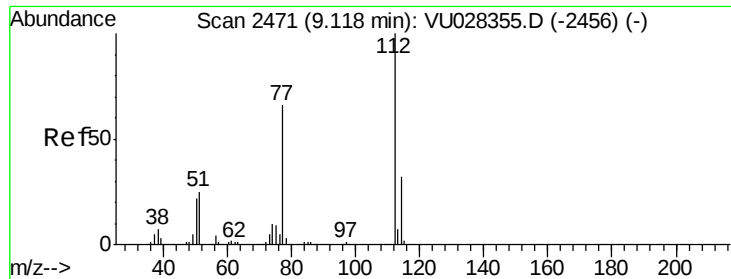
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





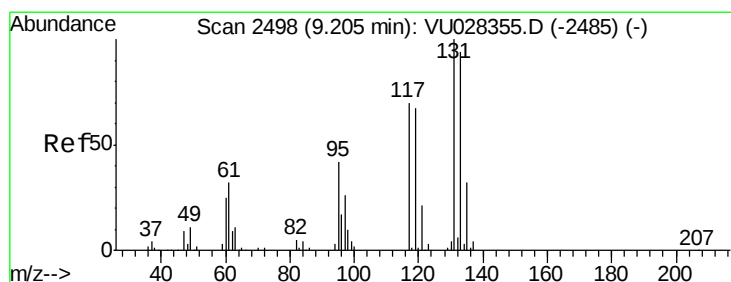
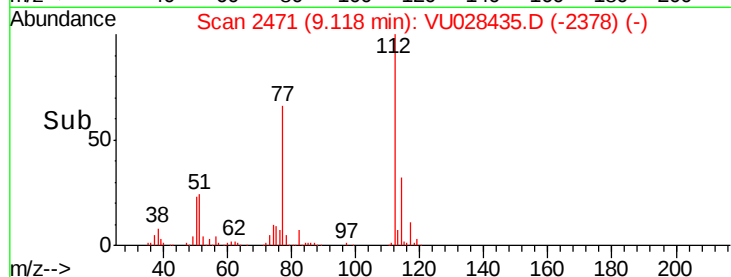
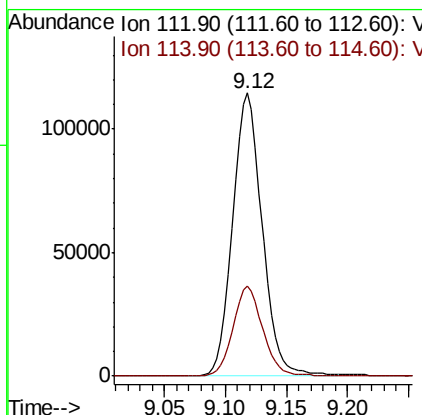
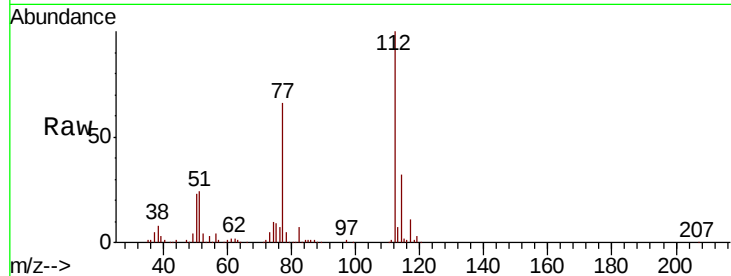
#65
Chlorobenzene
Concen: 19.369 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.7	38.5

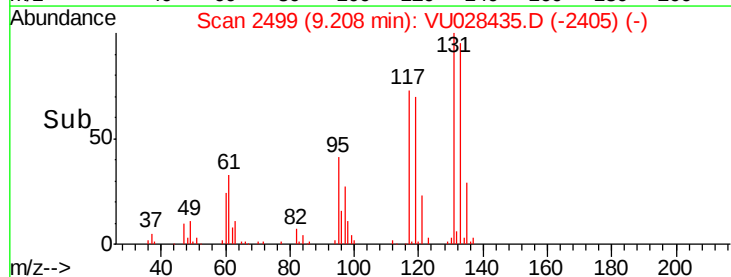
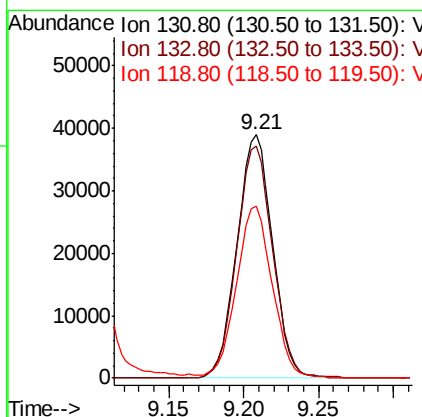
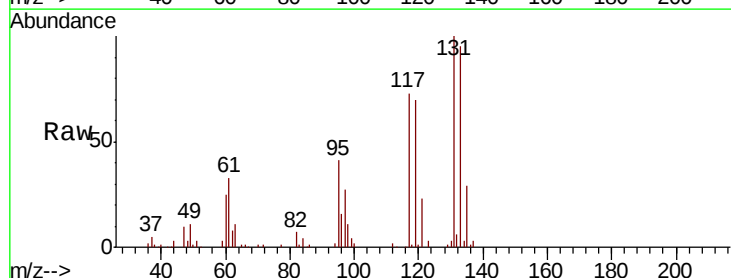
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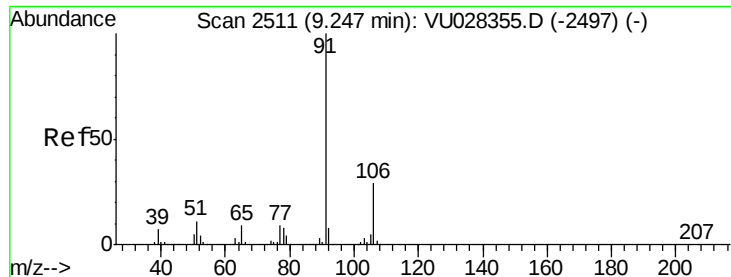
MMDadoda
12/4/2018 11:18:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.912 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.3	141.8
119	70.6	34.1	102.2





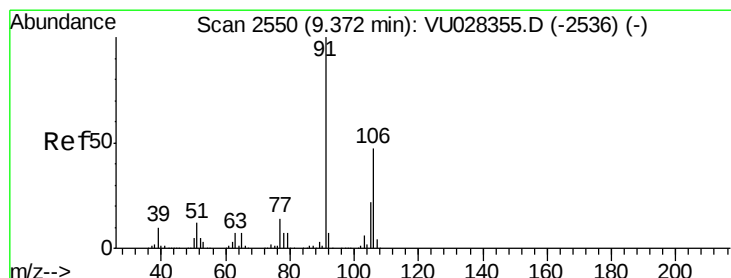
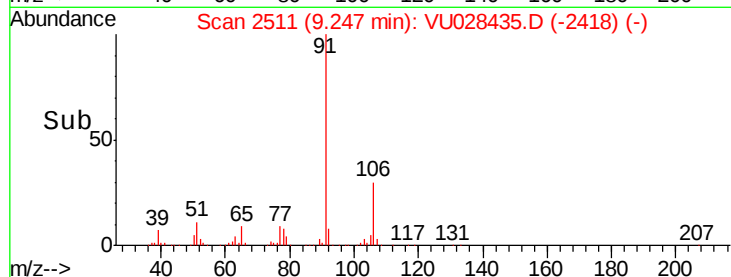
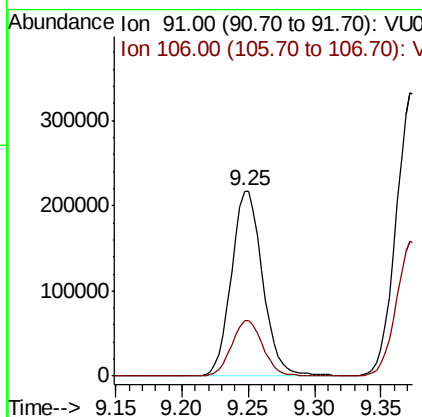
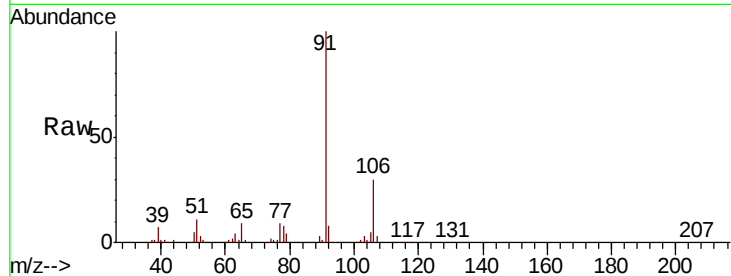
#67
Ethyl Benzene
Concen: 19.051 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion: 91 Resp: 357903
Ion Ratio Lower Upper
91 100
106 29.9 23.3 34.9

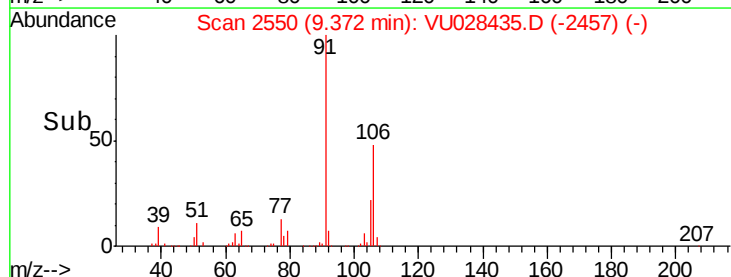
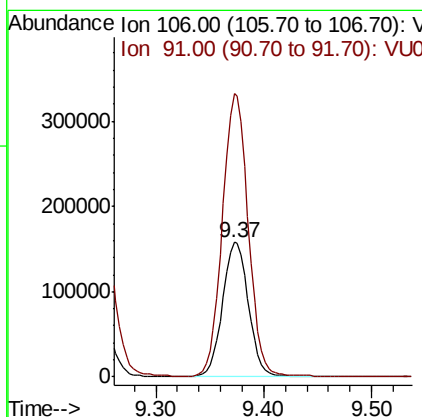
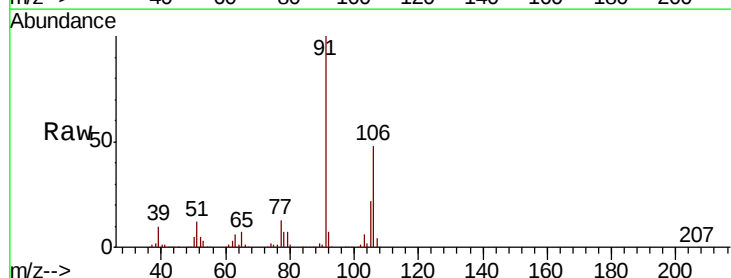
Manual Integrations
APPROVED

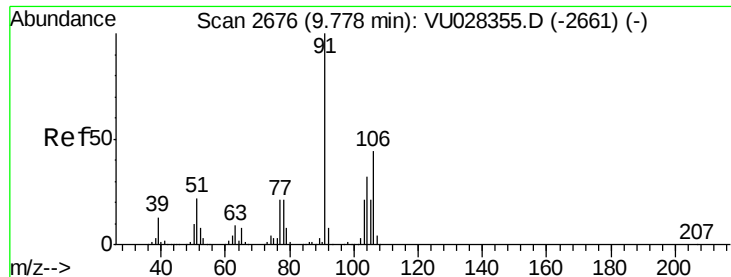
MMDadoda
12/4/2018 11:18:32 AM



#68
m/p-Xylenes
Concen: 39.020 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion: 106 Resp: 263857
Ion Ratio Lower Upper
106 100
91 208.2 171.0 256.6





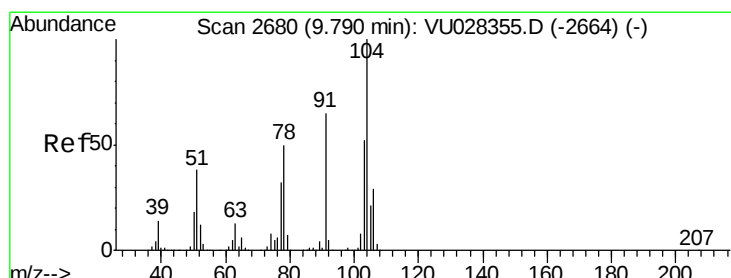
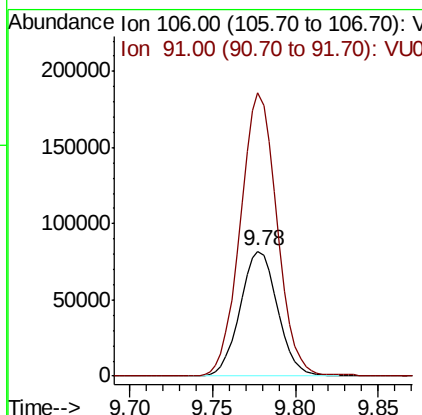
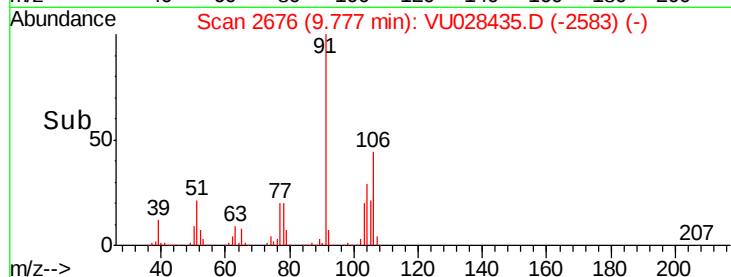
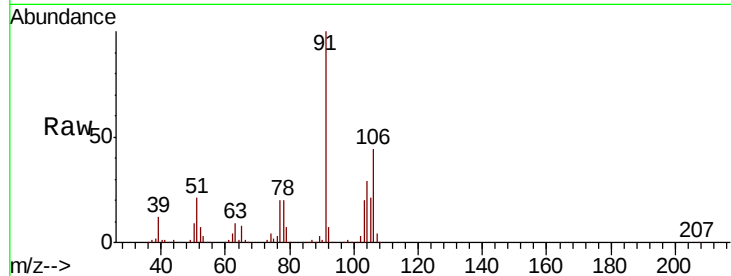
#69
o-Xylene
Concen: 19.217 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		129177		
91	222.8	112.7	338.0		

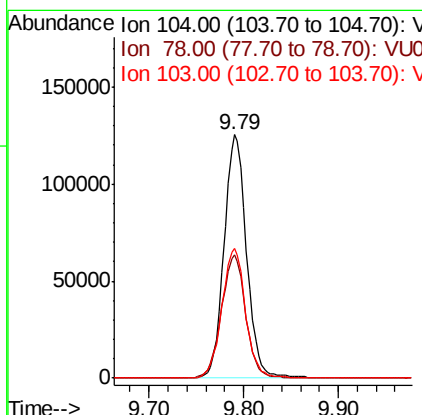
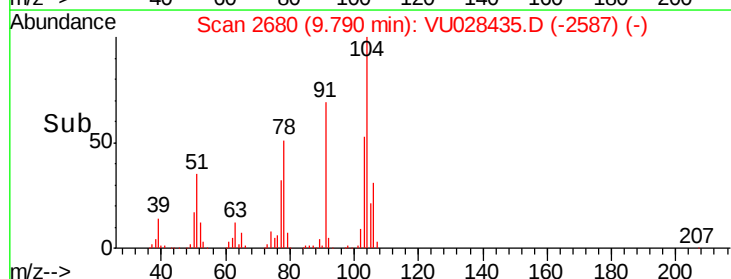
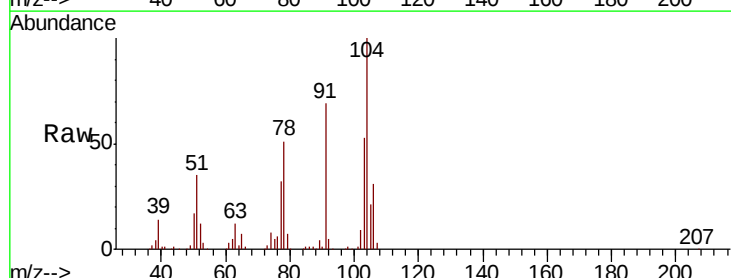
Manual Integrations
APPROVED

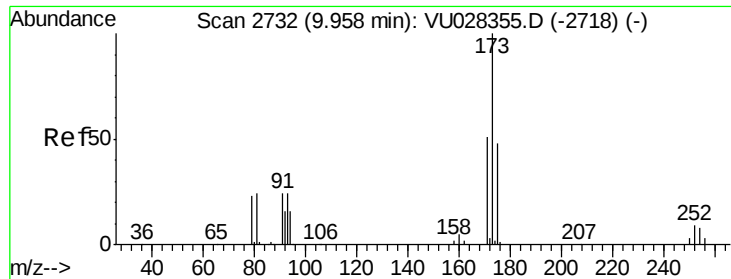
MMDadoda
12/4/2018 11:18:32 AM



#70
Styrene
Concen: 19.109 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		207172		
78	54.5	43.3	64.9		
103	55.9	44.8	67.2		





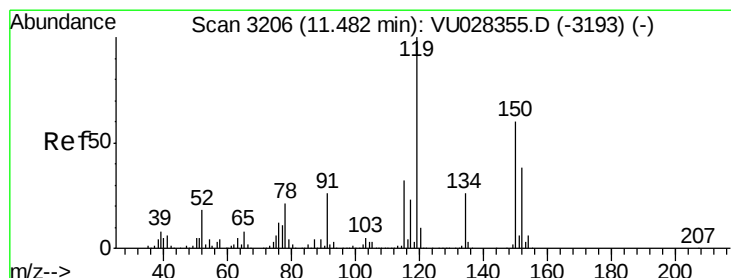
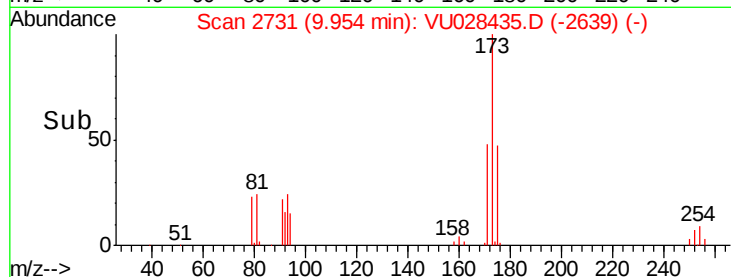
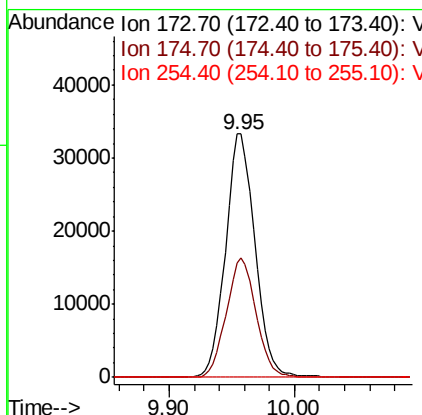
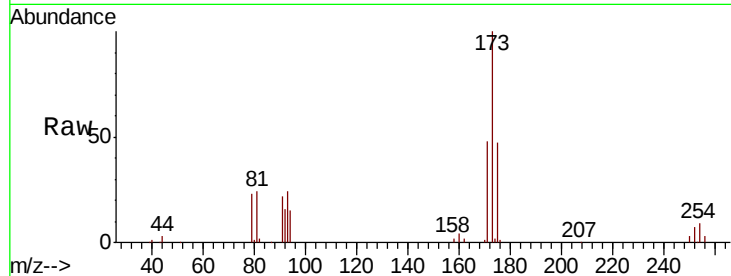
#71
Bromoform
Concen: 18.881 ug/l
RT: 9.95 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.4
254	0.0	0.0	0.0

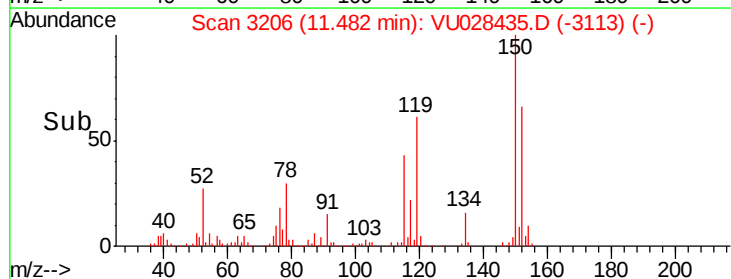
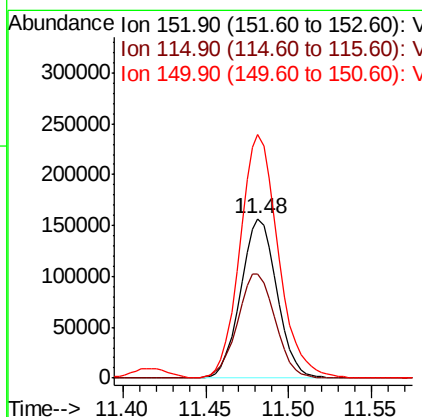
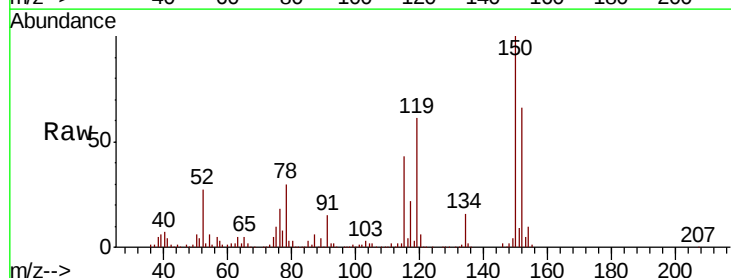
Manual Integrations
APPROVED

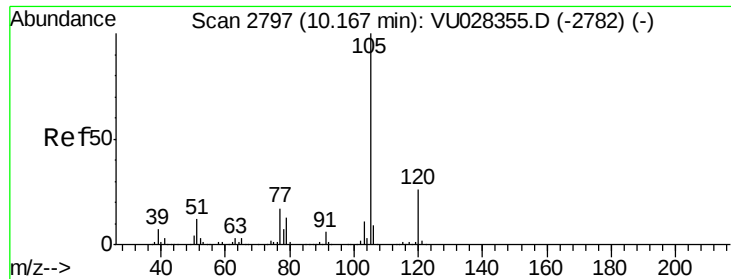
MMDadoda
12/4/2018 11:18:32 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.5	45.0	134.8
150	161.1	0.0	349.2





#73

Isopropylbenzene

Concen: 18.313 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBSD01

Tot Ion: 105 Resp: 338172

Ion Ratio Lower Upper

105 100

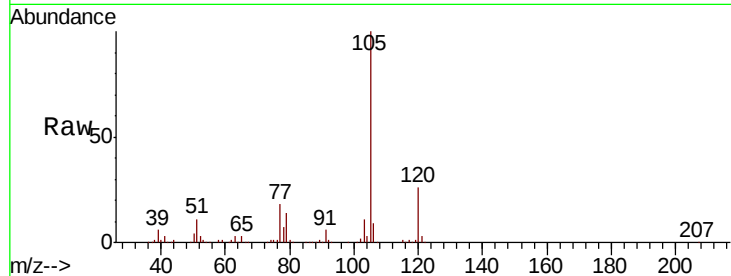
120 26.1 12.8 38.3

Manual Integrations

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MMDadoda

12/4/2018 11:18:32 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

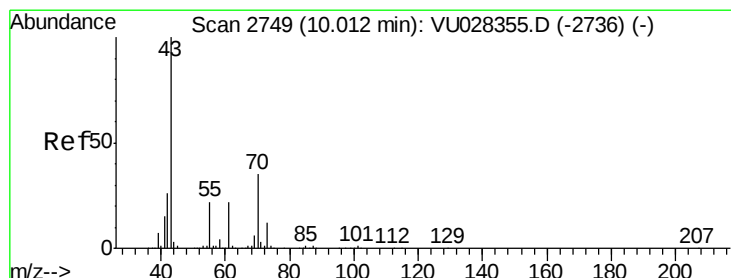
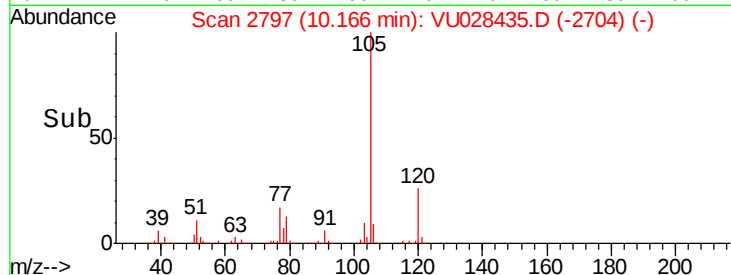
50000

0

10.10

10.20

Time-->



#74

N-ethyl acetate

Concen: 16.839 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Tgt Ion: 43 Resp: 194832

Ion Ratio Lower Upper

43 100

70 37.0 28.4 42.6

55 23.4 18.0 27.0

61 23.4 17.6 26.4

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

200000

150000

100000

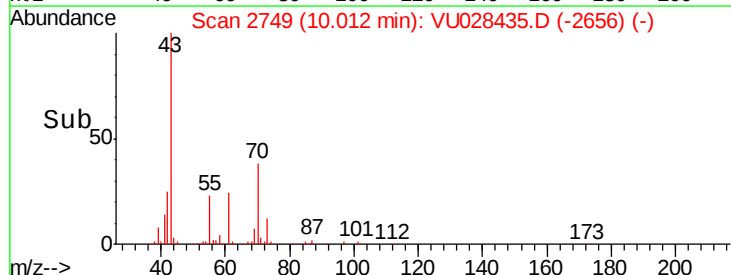
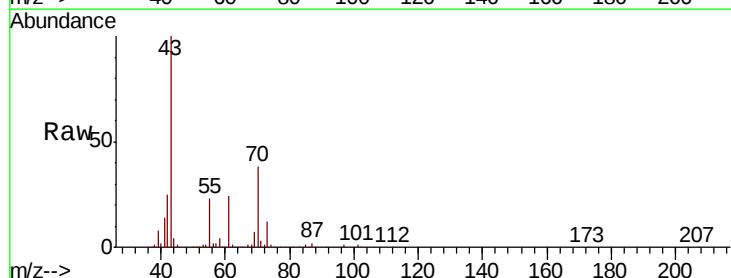
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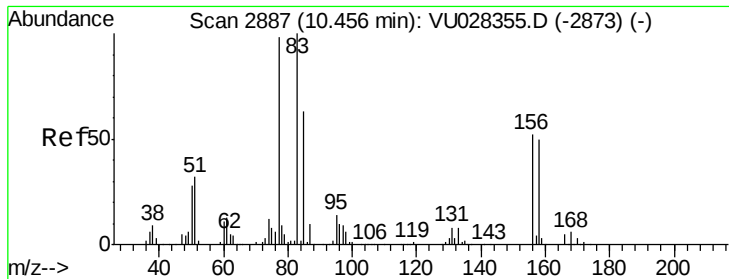
0

10.00

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.770 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

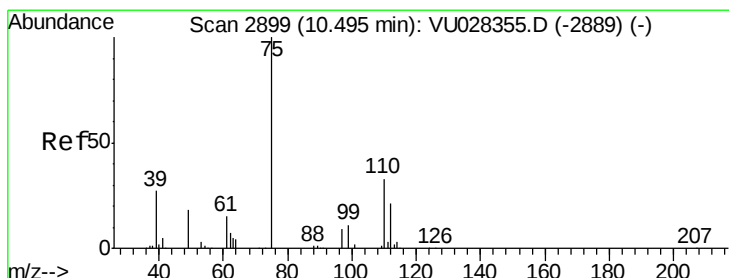
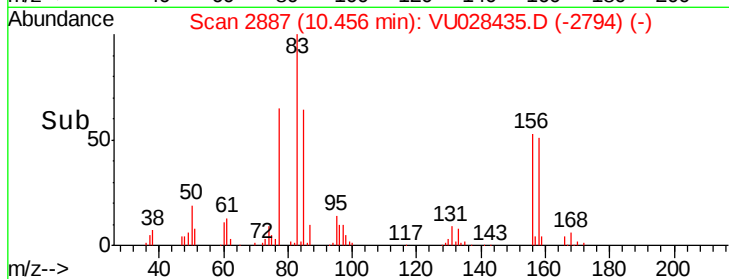
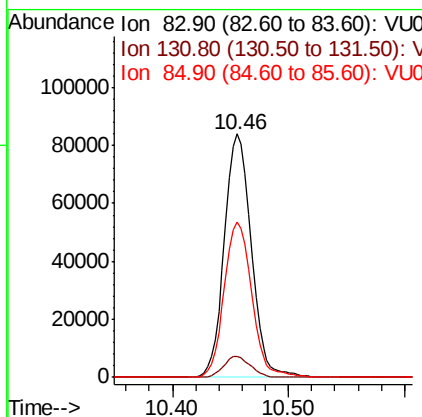
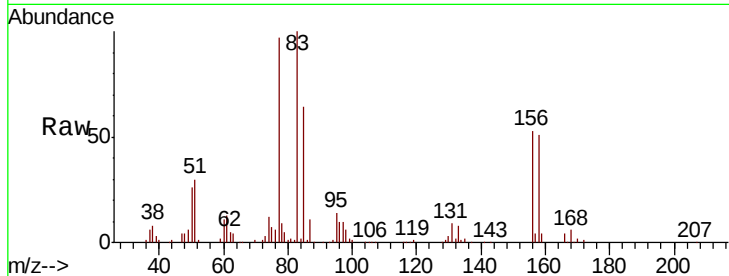
ClientSampleId :

VU1203WBSD01

Tot Ion:	83	Resp:	134945
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.0	12.2
85	65.6	31.8	95.4

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12/4/2018 11:18:32 AM



#76

1,2,3-Trichloropropane

Concen: 17.913 ug/l m

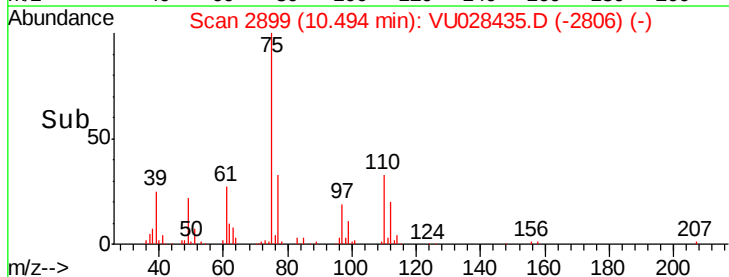
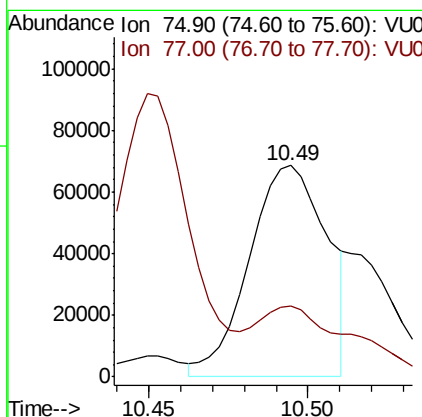
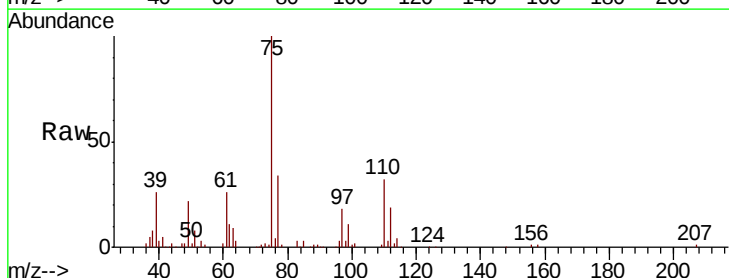
RT: 10.49 min Scan# 2899

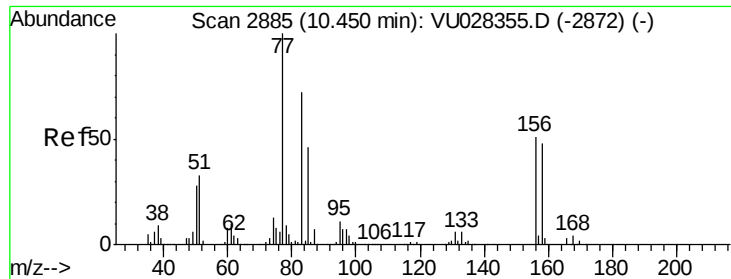
Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Tgt Ion:	75	Resp:	117945
Ion Ratio	Lower	Upper	
75	100		
77	41.8	22.4	67.0





#77

Bromobenzene

Concen: 18.056 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBSD01

Tot Ion:156 Resp: 78566

Ion Ratio Lower Upper

156 100

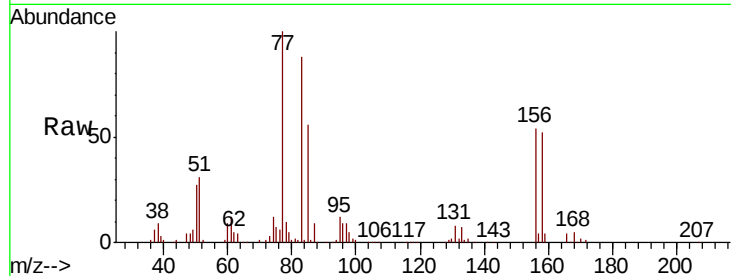
77 192.6 97.0 290.9

158 96.2 46.8 140.4

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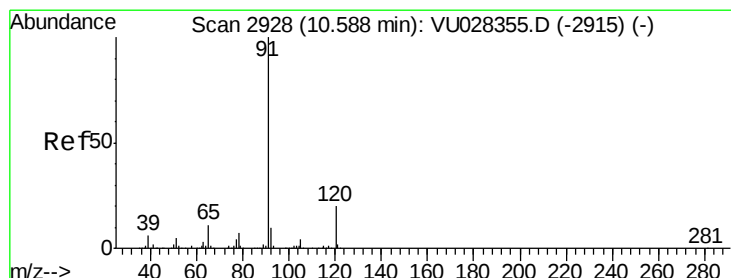
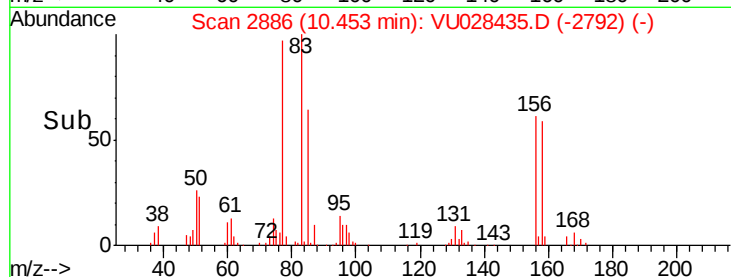
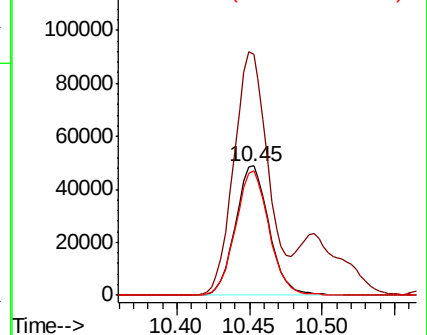
12/4/2018 11:18:32 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.508 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028435.D

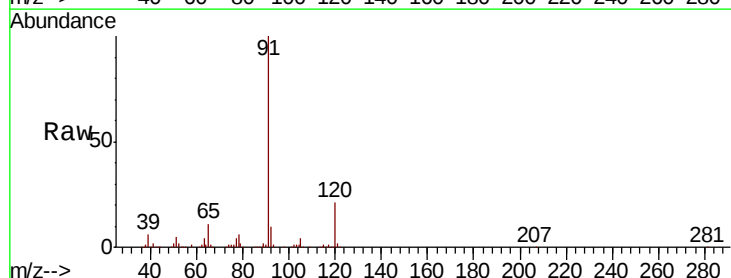
Acq: 03 Dec 2018 12:49

Tgt Ion: 91 Resp: 421618

Ion Ratio Lower Upper

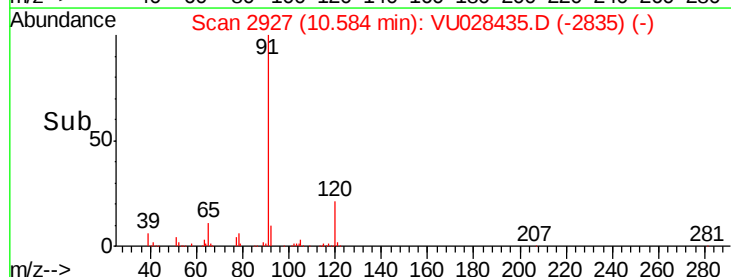
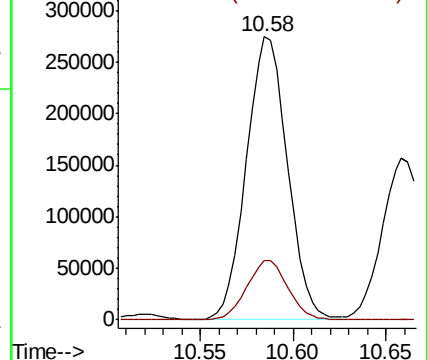
91 100

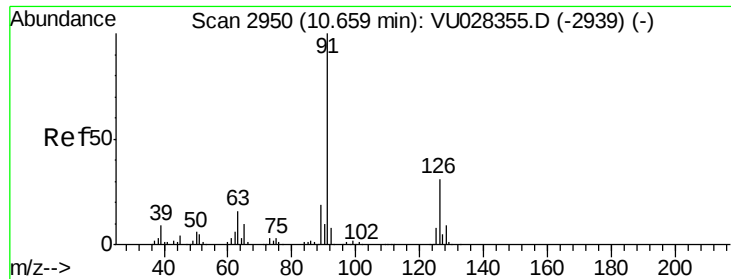
120 21.0 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.025 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBSD01

Tot Ion: 91 Resp: 242070

Ion Ratio Lower Upper

91 100

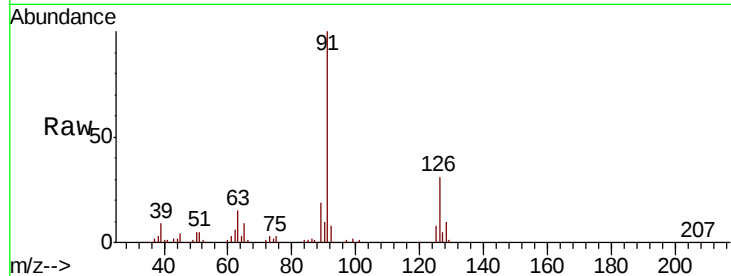
126 31.7 15.4 46.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028355.D (-2939) (-)

300000

250000

200000

150000

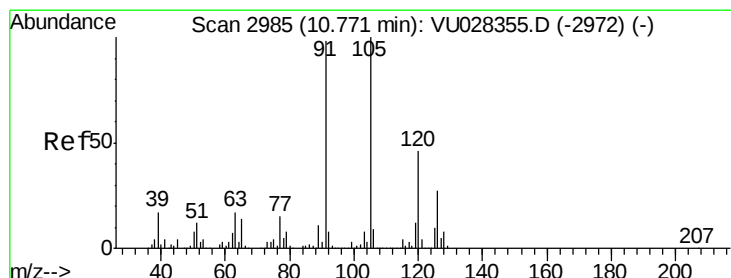
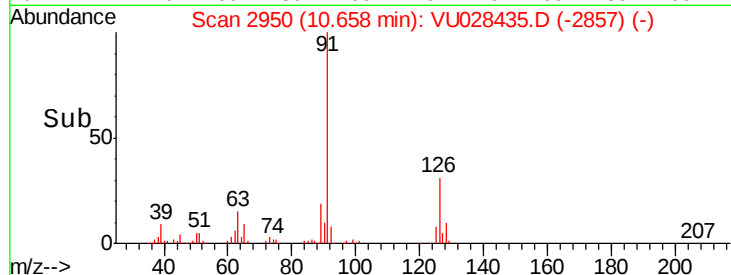
100000

50000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.248 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028435.D

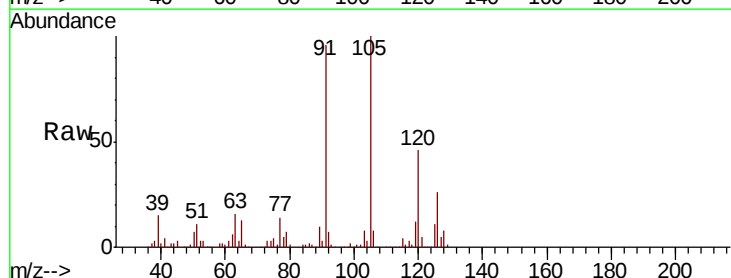
Acq: 03 Dec 2018 12:49

Tgt Ion: 105 Resp: 283977

Ion Ratio Lower Upper

105 100

120 46.8 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VU028355.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028355.D (-2972) (-)

200000

150000

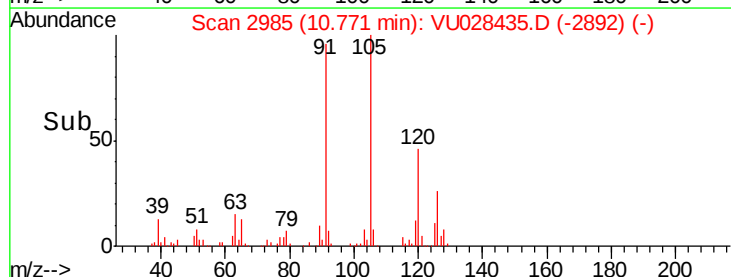
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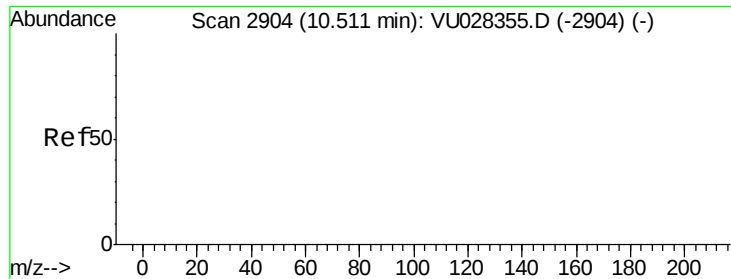
50000

0

10.70 10.75 10.80 10.85

Time-->





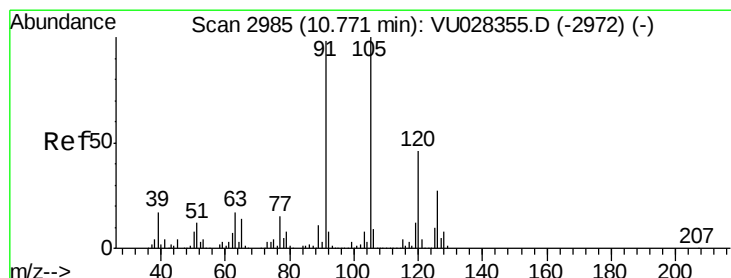
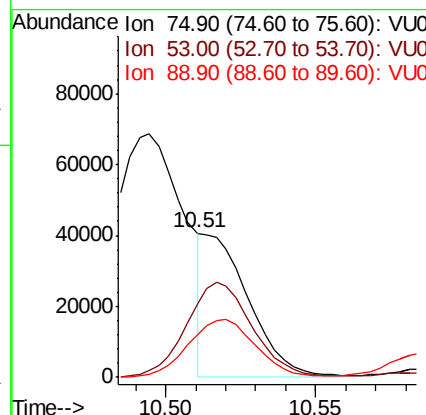
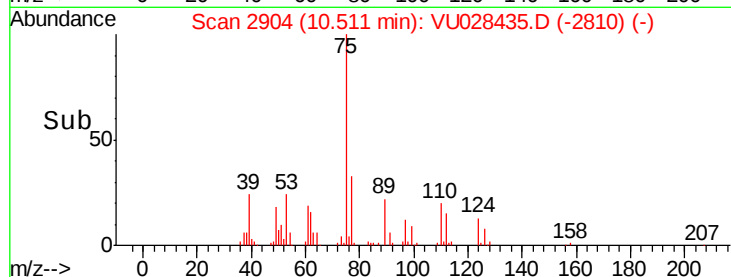
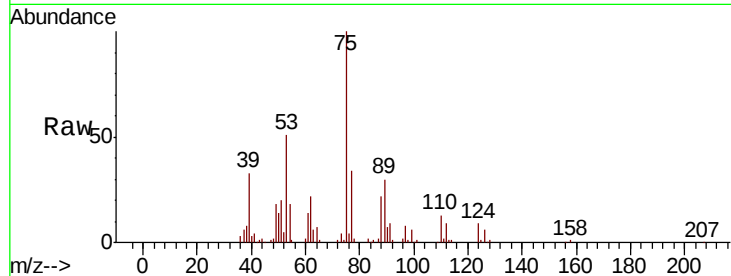
#81
trans-1,4-Dichloro-2-butene
Concen: 17.233 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

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

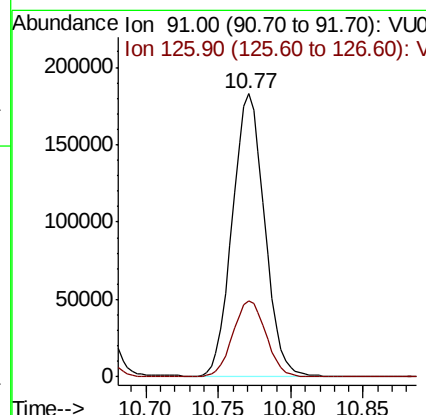
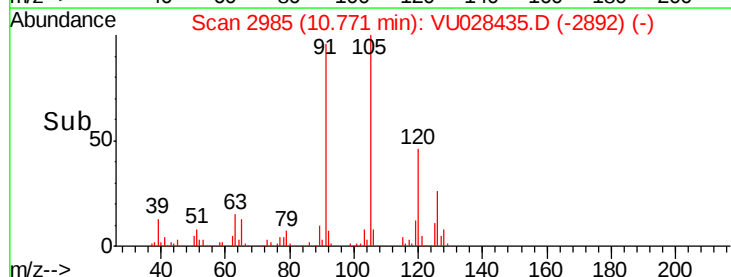
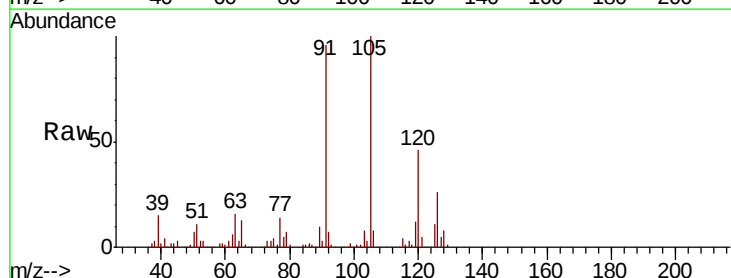
Manual Integrations
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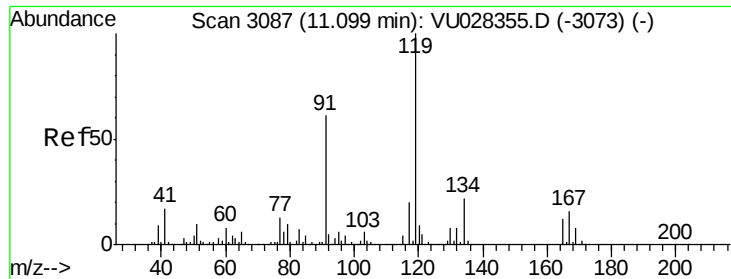
MMDadoda
12/4/2018 11:18:32 AM



#82
4-Chlorotoluene
Concen: 18.086 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.9	13.9	41.6





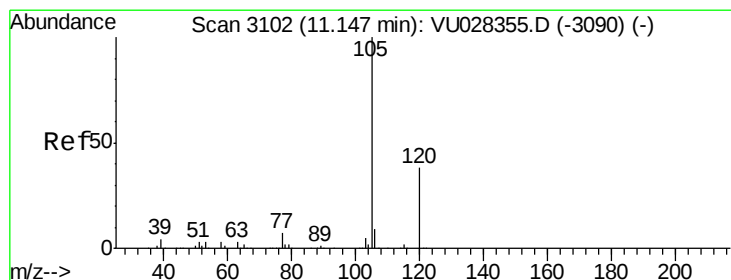
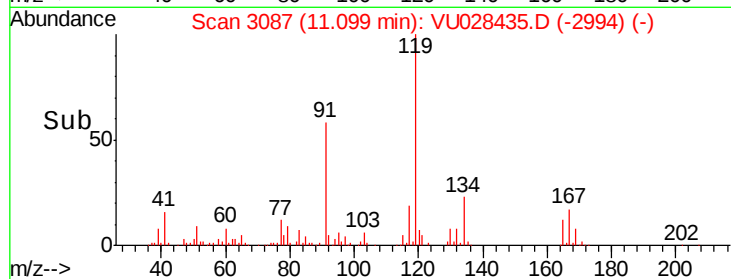
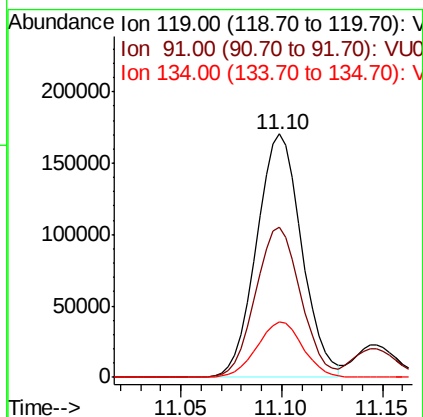
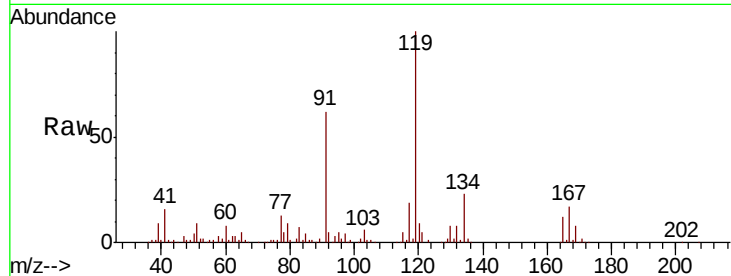
#83
tert-Butylbenzene
Concen: 18.347 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	266152		
91	61.9	30.8	92.4	
134	23.3	11.1	33.1	

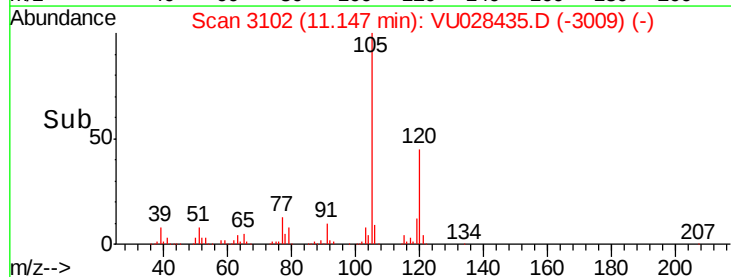
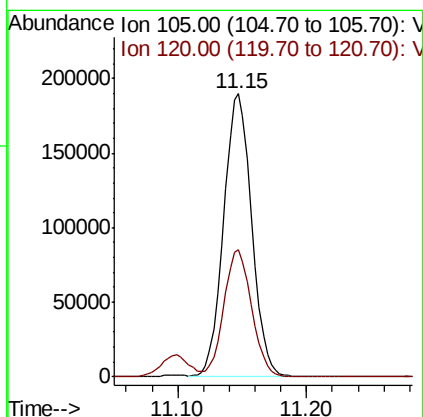
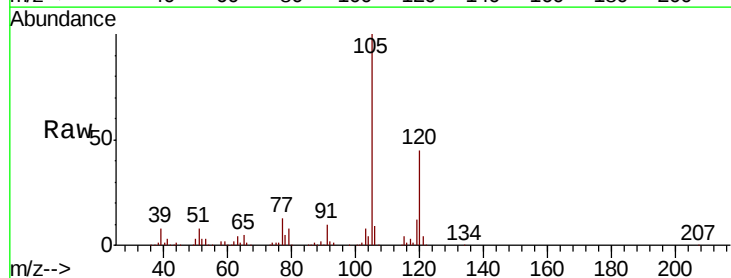
Manual Integrations
APPROVED

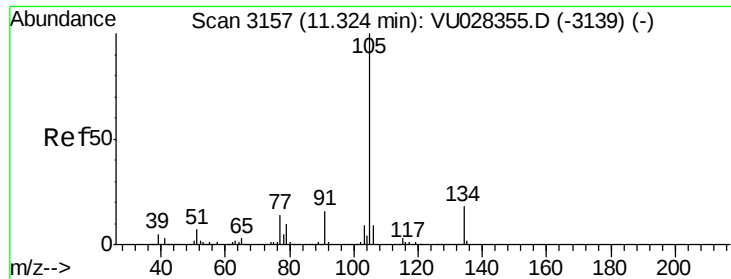
MMDadoda
12/4/2018 11:18:32 AM



#84
1,2,4-Trimethylbenzene
Concen: 18.150 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	286076		
120	44.6	21.4	64.3	





#85

sec-Butylbenzene

Concen: 18.348 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBSD01

Tot Ion:105 Resp: 345707

Ion Ratio Lower Upper

105 100

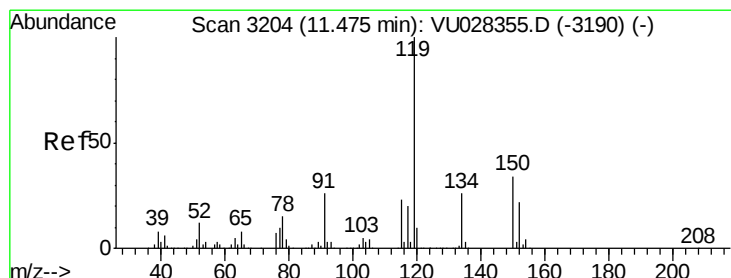
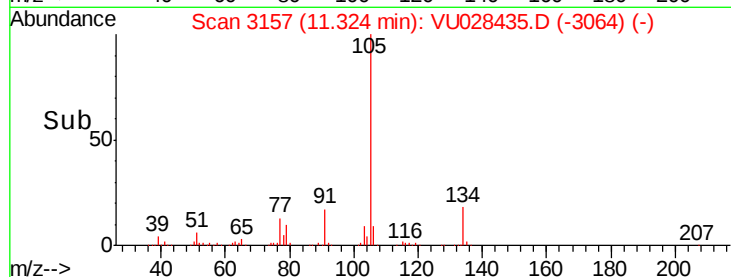
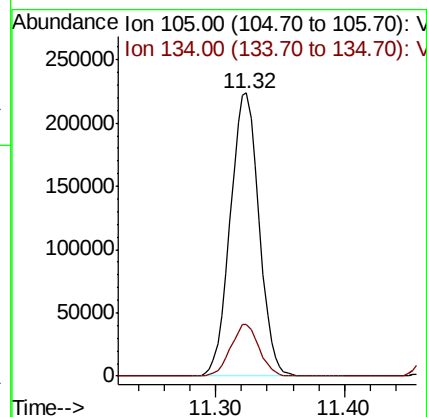
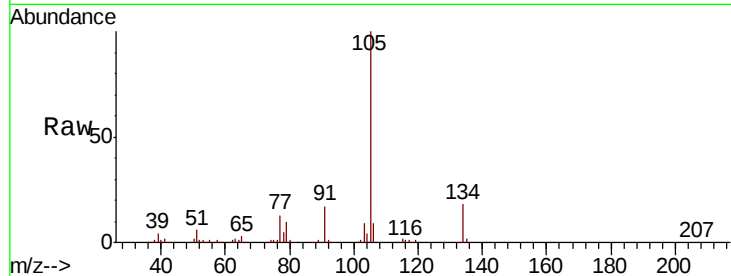
134 18.0 9.3 27.7

Manual Integrations

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MMDadoda

12/4/2018 11:18:32 AM



#86

p-Isopropyltoluene

Concen: 18.604 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

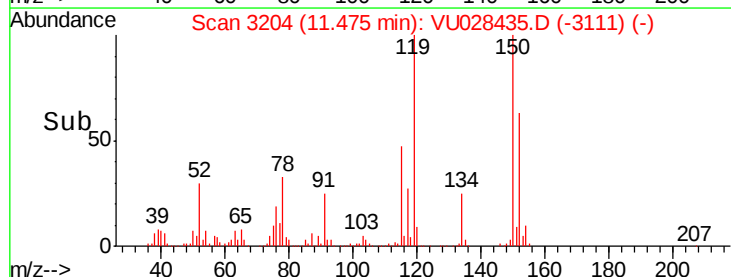
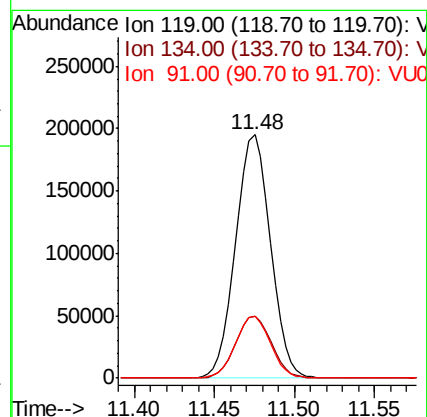
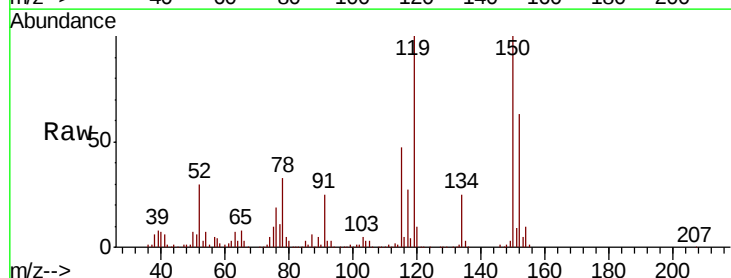
Tgt Ion:119 Resp: 288228

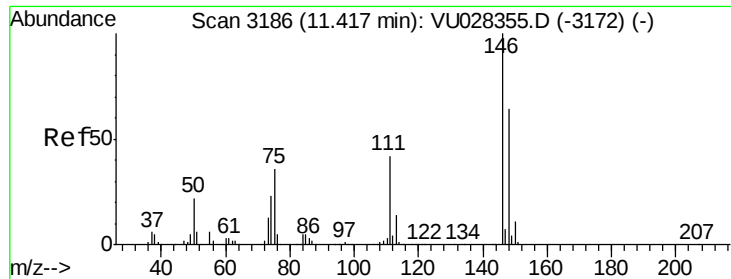
Ion Ratio Lower Upper

119 100

134 26.3 12.8 38.3

91 25.6 13.1 39.1





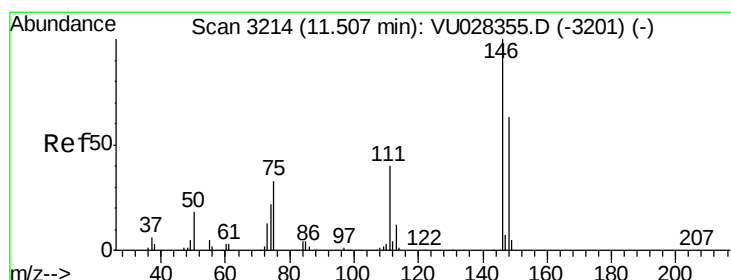
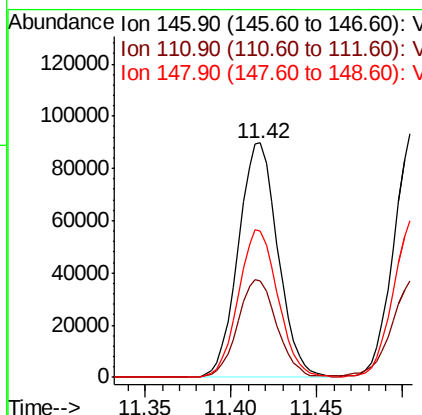
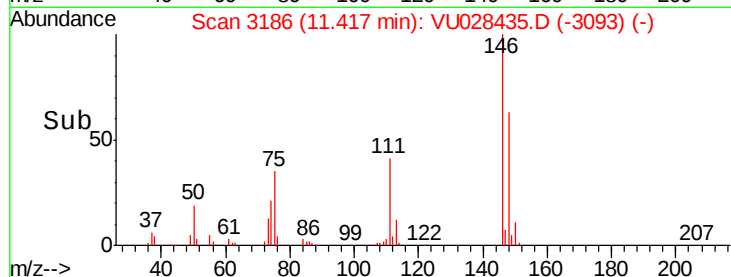
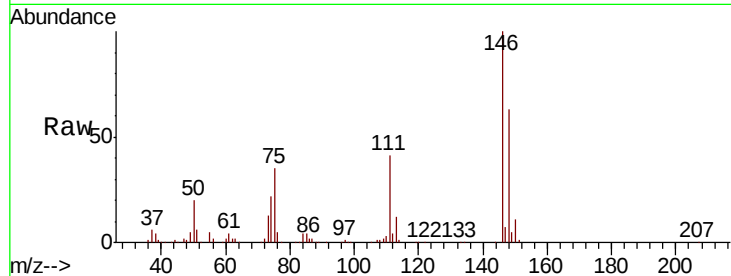
#87
 1,3-Dichlorobenzene
 Concen: 18.121 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU028435.D
 Acq: 03 Dec 2018 12:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.4
148	62.8	31.8	95.3

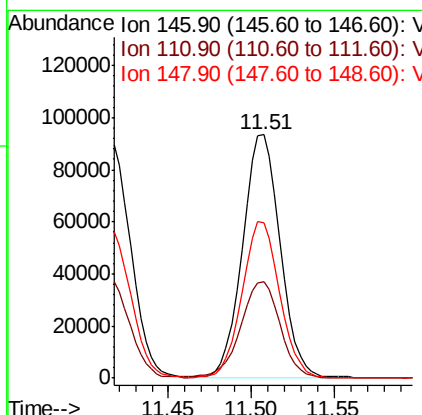
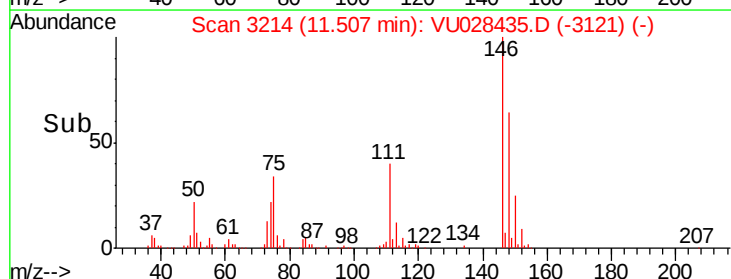
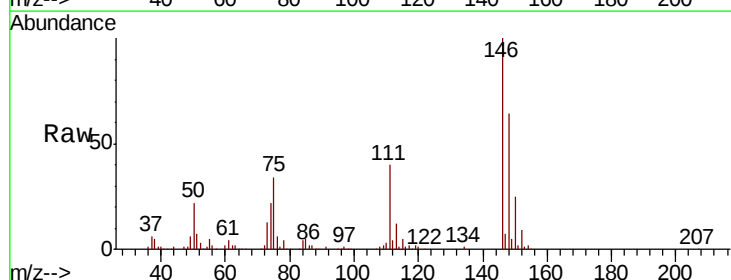
Manual Integrations
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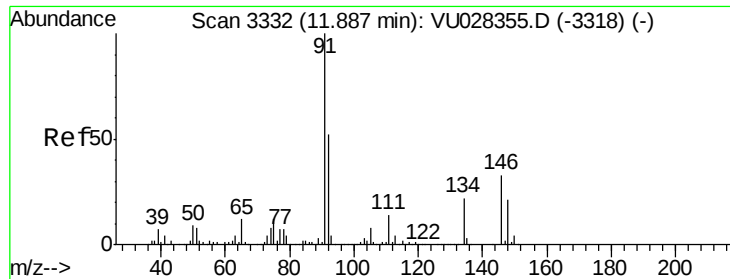
MMDadoda
 12/4/2018 11:18:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.350 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU028435.D
 Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.6	61.9
148	64.2	31.1	93.5





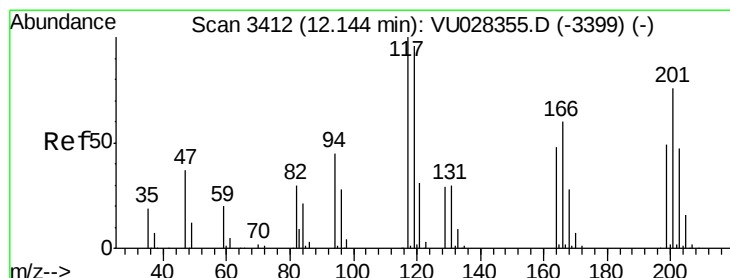
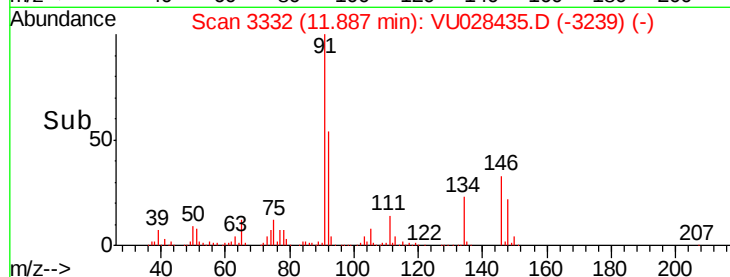
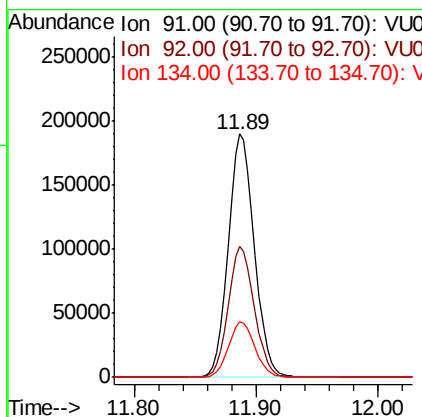
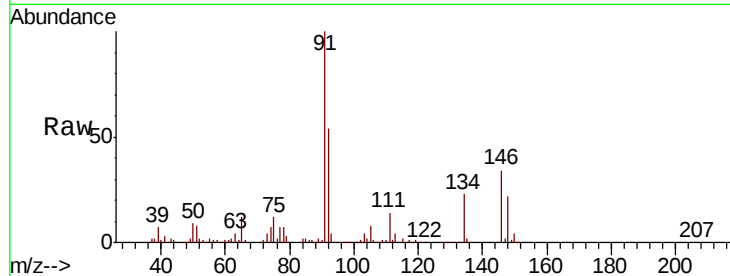
#89
n-Butylbenzene
Concen: 18.514 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.2	78.5
134	23.2	11.1	33.1

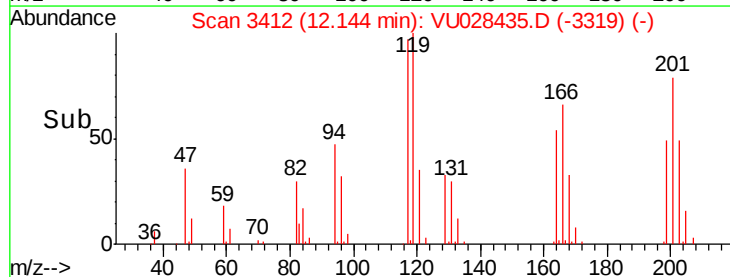
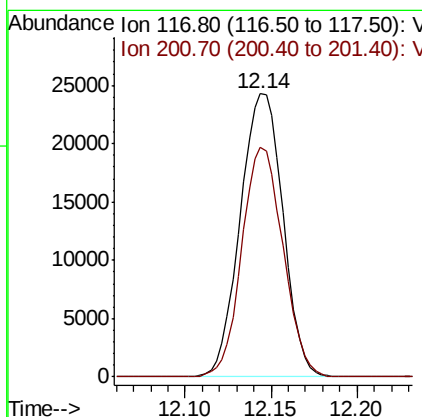
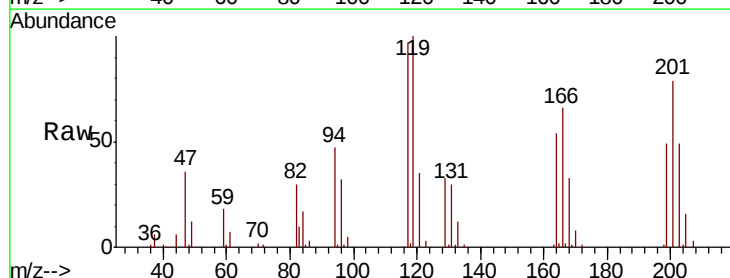
Manual Integrations
APPROVED

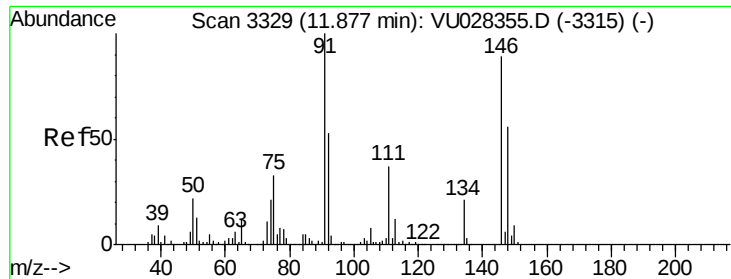
MMDadoda
12/4/2018 11:18:32 AM



#90
Hexachloroethane
Concen: 17.291 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028435.D
Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.2	37.7	113.1





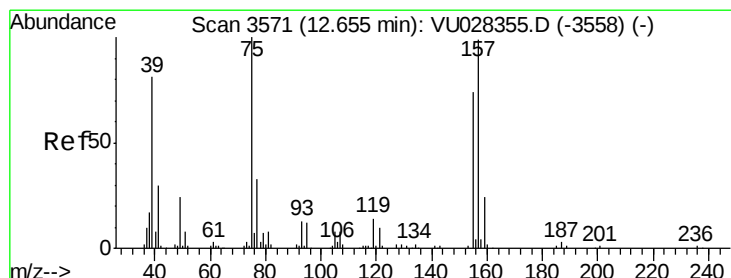
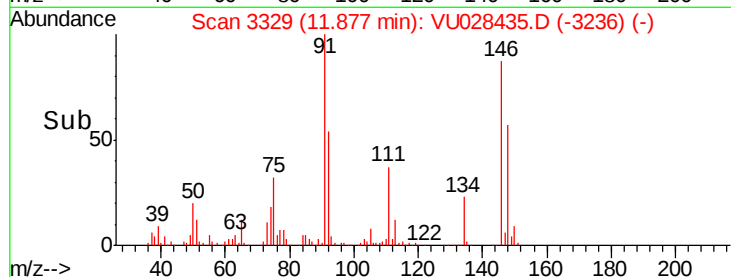
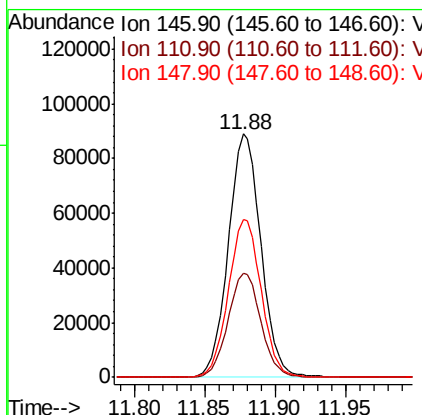
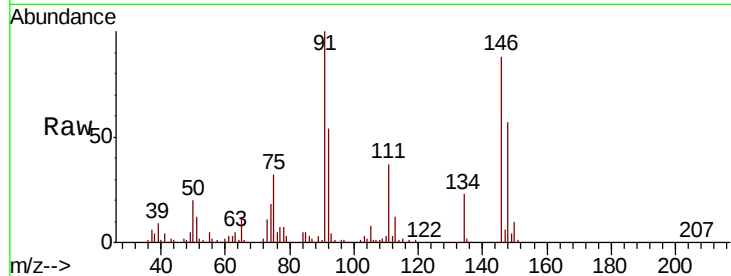
#91
 1,2-Dichlorobenzene
 Concen: 18.177 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028435.D
 Acq: 03 Dec 2018 12:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	65.2	32.2	96.6

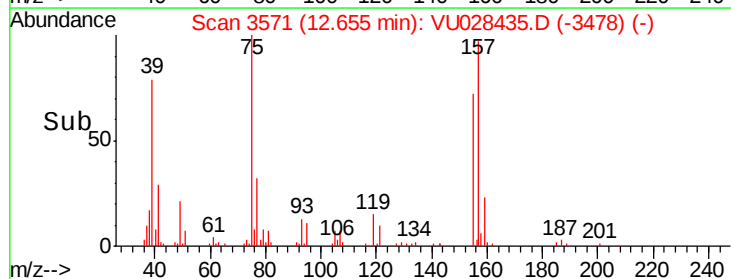
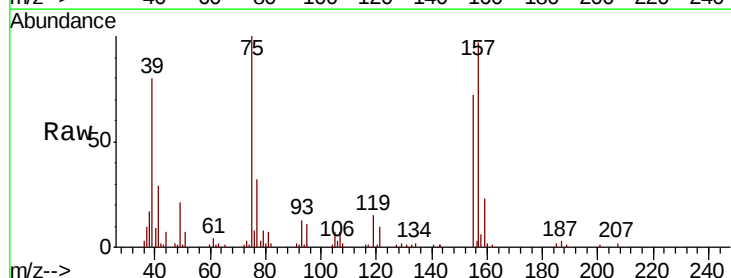
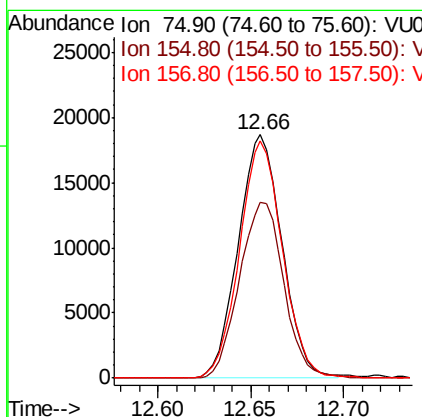
Manual Integrations
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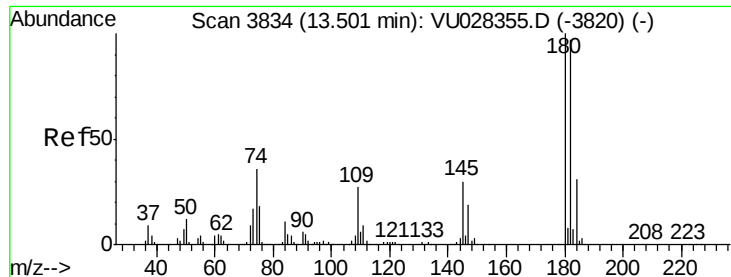
MMDadoda
 12/4/2018 11:18:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.167 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028435.D
 Acq: 03 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	36.9	110.7
157	95.7	47.5	142.5





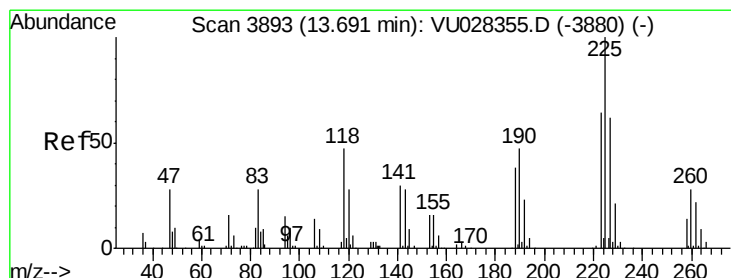
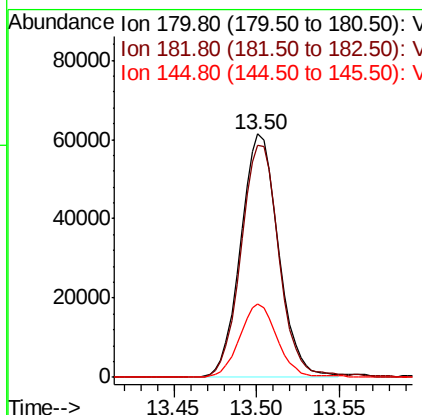
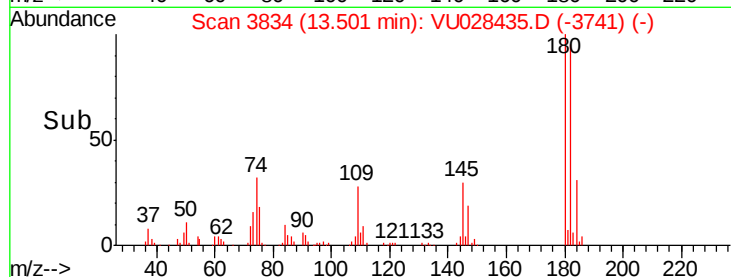
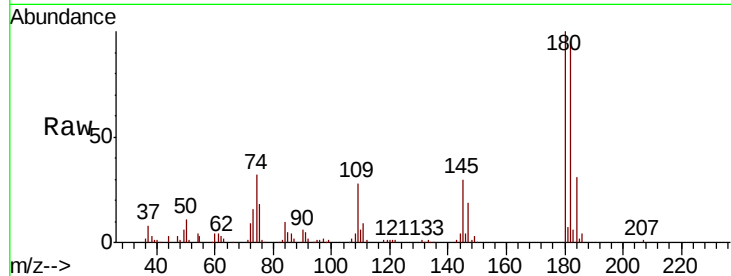
#93
 1,2,4-Trichlorobenzene
 Concen: 18.805 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028435.D
 Acq: 03 Dec 2018 12:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBSD01

Tot Ion:	180	Resp:	97466
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.3	144.9
145	30.0	15.2	45.5

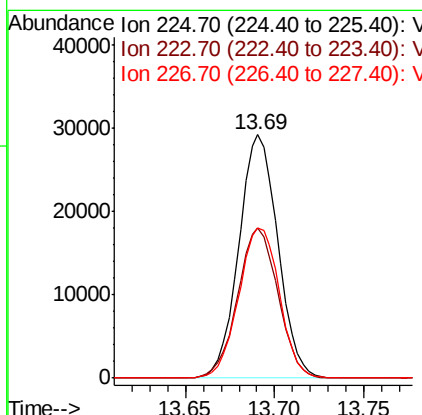
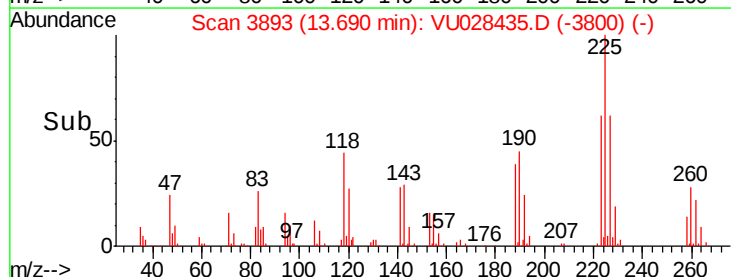
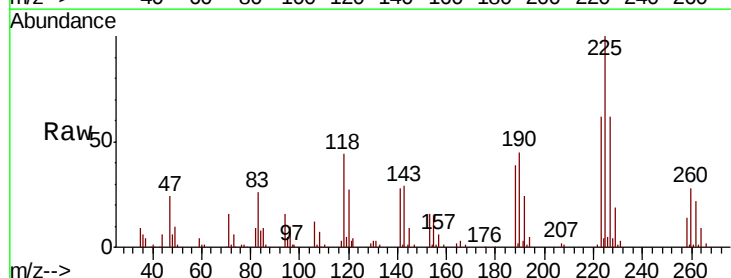
Manual Integrations
 APPROVED

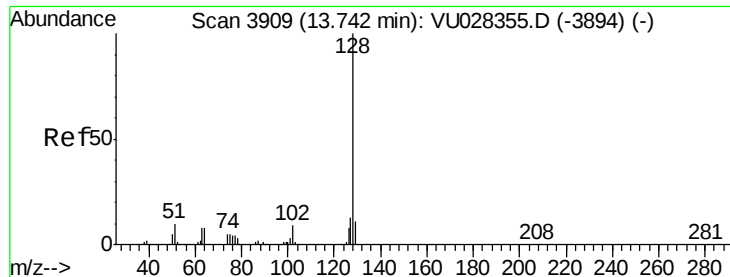
MMDadoda
 12/4/2018 11:18:32 AM



#94
 Hexachlorobutadiene
 Concen: 18.149 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028435.D
 Acq: 03 Dec 2018 12:49

Tgt Ion:	225	Resp:	44418
Ion Ratio	Lower	Upper	
225	100		
223	63.9	31.6	94.7
227	64.5	30.8	92.4





#95

Naphthalene

Concen: 19.317 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Instrument :

MSVOA_U

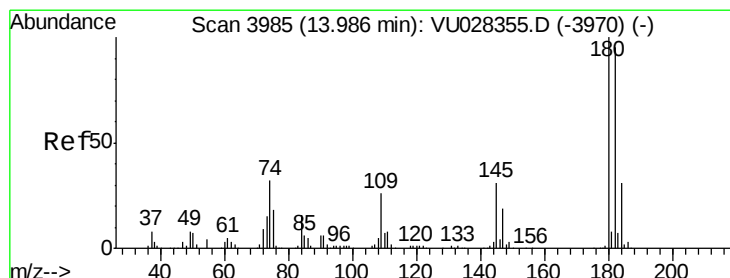
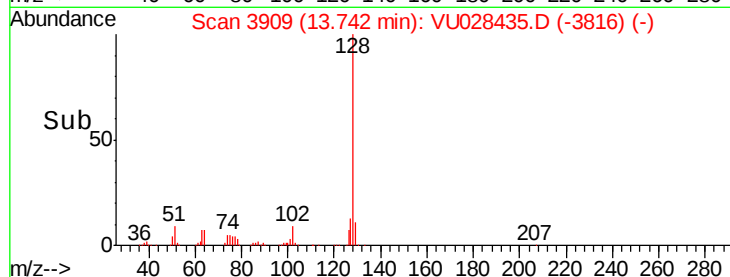
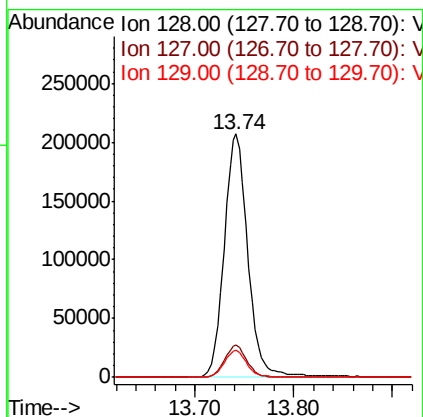
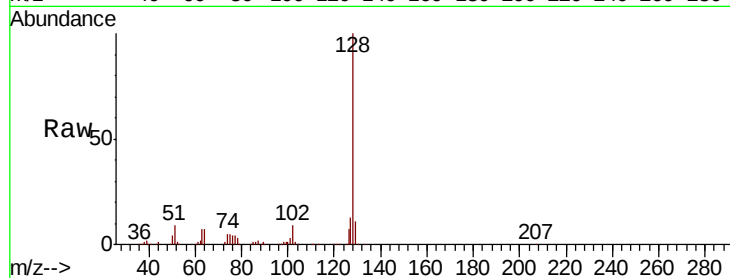
ClientSampleId :

VU1203WBSD01

Tot Ion:	128	Resp:	349152
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.6	15.8
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
12/4/2018 11:18:32 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.202 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028435.D

Acq: 03 Dec 2018 12:49

Tgt Ion:	180	Resp:	100653
Ion Ratio	Lower	Upper	
180	100		
182	93.4	47.7	143.1
145	31.5	15.7	47.1

