

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112918\
 Data File : VU028395.D
 Acq On : 29 Nov 2018 15:47
 Operator : MD/SY
 Sample : VU1129WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:25:55 AM

Quant Time: Nov 30 07:41:03 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	4.98	168	244854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	445748	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	418312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	205446	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	214170	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	4.88	113	148064	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	7.57	98	601697	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	10.30	95	222236	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	66222	20.161	ug/l	99
3) Chloromethane	1.33	50	120379	18.907	ug/l	100
4) Vinyl Chloride	1.40	62	91050	20.440	ug/l	99
5) Bromomethane	1.63	94	30088	17.464	ug/l	99
6) Chloroethane	1.70	64	51653	20.151	ug/l	94
7) Trichlorofluoromethane	1.89	101	95155	20.565	ug/l	99
8) Diethyl Ether	2.10	74	42501	19.759	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	57067	21.172	ug/l	99
10) Methyl Iodide	2.41	142	48540	19.097	ug/l	98
11) Tert butyl alcohol	2.82	59	84027	90.385	ug/l	99
12) 1,1-Dichloroethene	2.29	96	54436	20.811	ug/l	95
13) Acrolein	2.20	56	71132	86.066	ug/l	98
14) Allyl chloride	2.59	41	130327	19.070	ug/l	99
15) Acrylonitrile	2.94	53	255050	103.716	ug/l	98
16) Acetone	2.32	43	208153	83.153	ug/l	99
17) Carbon Disulfide	2.48	76	190099	18.934	ug/l	99
18) Methyl Acetate	2.62	43	137873	19.782	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	218873	20.409	ug/l	100
20) Methylene Chloride	2.70	84	70247	19.851	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	62295	20.535	ug/l	99
22) Diisopropyl ether	3.57	45	275660	20.487	ug/l	95
23) Vinyl Acetate	3.53	43	1134633	101.450	ug/l	100
24) 1,1-Dichloroethane	3.45	63	137487	20.725	ug/l	100
25) 2-Butanone	4.26	43	341336	95.144	ug/l	99
26) 2,2-Dichloropropane	4.23	77	97525	18.511	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	72451	20.194	ug/l	97
28) Bromochloromethane	4.55	49	70233	21.173	ug/l	98
29) Tetrahydrofuran	4.64	42	239097	102.648	ug/l	98
30) Chloroform	4.67	83	123730	20.207	ug/l	99
31) Cyclohexane	5.00	56	140757	20.441	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	99531	20.257	ug/l	98
36) 1,1-Dichloropropene	5.14	75	95214	19.520	ug/l	99
37) Ethyl Acetate	4.38	43	132861	19.987	ug/l	99
38) Carbon Tetrachloride	5.13	117	78617	19.627	ug/l	99

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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	6.41	83	112089	19.491	ug/l	97
40) Benzene	5.39	78	290526	20.110	ug/l	97
41) Methacrylonitrile	4.54	41	73913	20.022	ug/l	97
42) 1,2-Dichloroethane	5.40	62	104159	20.014	ug/l	99
43) Isopropyl Acetate	5.55	43	213047	20.225	ug/l	99
44) Trichloroethene	6.19	130	60645	19.584	ug/l	99
45) 1,2-Dichloropropane	6.43	63	84163	19.894	ug/l	99
46) Dibromomethane	6.56	93	48301	19.876	ug/l	99
47) Bromodichloromethane	6.76	83	95482	19.754	ug/l	93
48) Methyl methacrylate	6.62	41	106000	19.318	ug/l	100
49) 1,4-Dioxane	6.61	88	29033	331.216	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	661587	98.338	ug/l	99
52) Toluene	7.64	92	169518	20.377	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	110665	19.147	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	119168	19.246	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	66782	19.288	ug/l	98
56) Ethyl methacrylate	8.02	69	115874	19.672	ug/l	98
57) 1,3-Dichloropropane	8.24	76	126365	19.902	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	299071	94.573	ug/l	100
59) 2-Hexanone	8.36	43	498056	95.573	ug/l	99
60) Dibromochloromethane	8.48	129	63617	19.320	ug/l	98
61) 1,2-Dibromoethane	8.58	107	71625	20.198	ug/l	100
64) Tetrachloroethene	8.23	164	52936	19.238	ug/l	98
65) Chlorobenzene	9.12	112	170370	19.614	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	57943	19.462	ug/l	98
67) Ethyl Benzene	9.25	91	321343	19.643	ug/l	100
68) m/p-Xylenes	9.37	106	229676	39.006	ug/l	98
69) o-Xylene	9.78	106	112274	19.181	ug/l	99
70) Styrene	9.79	104	186861	19.794	ug/l	99
71) Bromoform	9.96	173	45597	18.220	ug/l #	95
73) Isopropylbenzene	10.17	105	302928	18.958	ug/l	98
74) N-amyl acetate	10.01	43	178885	17.868	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	119834	18.237	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	104587m	18.358	ug/l	
77) Bromobenzene	10.45	156	68061	18.077	ug/l	96
78) n-propylbenzene	10.58	91	377230	19.137	ug/l	99
79) 2-Chlorotoluene	10.66	91	220941	19.014	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	250377	18.594	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	36960m	17.221	ug/l	
82) 4-Chlorotoluene	10.77	91	252005	18.823	ug/l	99
83) tert-Butylbenzene	11.10	119	235397	18.754	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	258826	18.978	ug/l	100
85) sec-Butylbenzene	11.32	105	306737	18.814	ug/l	100
86) p-Isopropyltoluene	11.47	119	254066	18.952	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	125703	18.305	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	129699	18.767	ug/l	99
89) n-Butylbenzene	11.89	91	256421	19.381	ug/l	100
90) Hexachloroethane	12.14	117	37918	18.118	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	126582	18.476	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24805	16.971	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	85499	19.065	ug/l	99
94) Hexachlorobutadiene	13.69	225	39368	18.591	ug/l	97
95) Naphthalene	13.74	128	300504	19.229	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	87040	19.190	ug/l	99

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

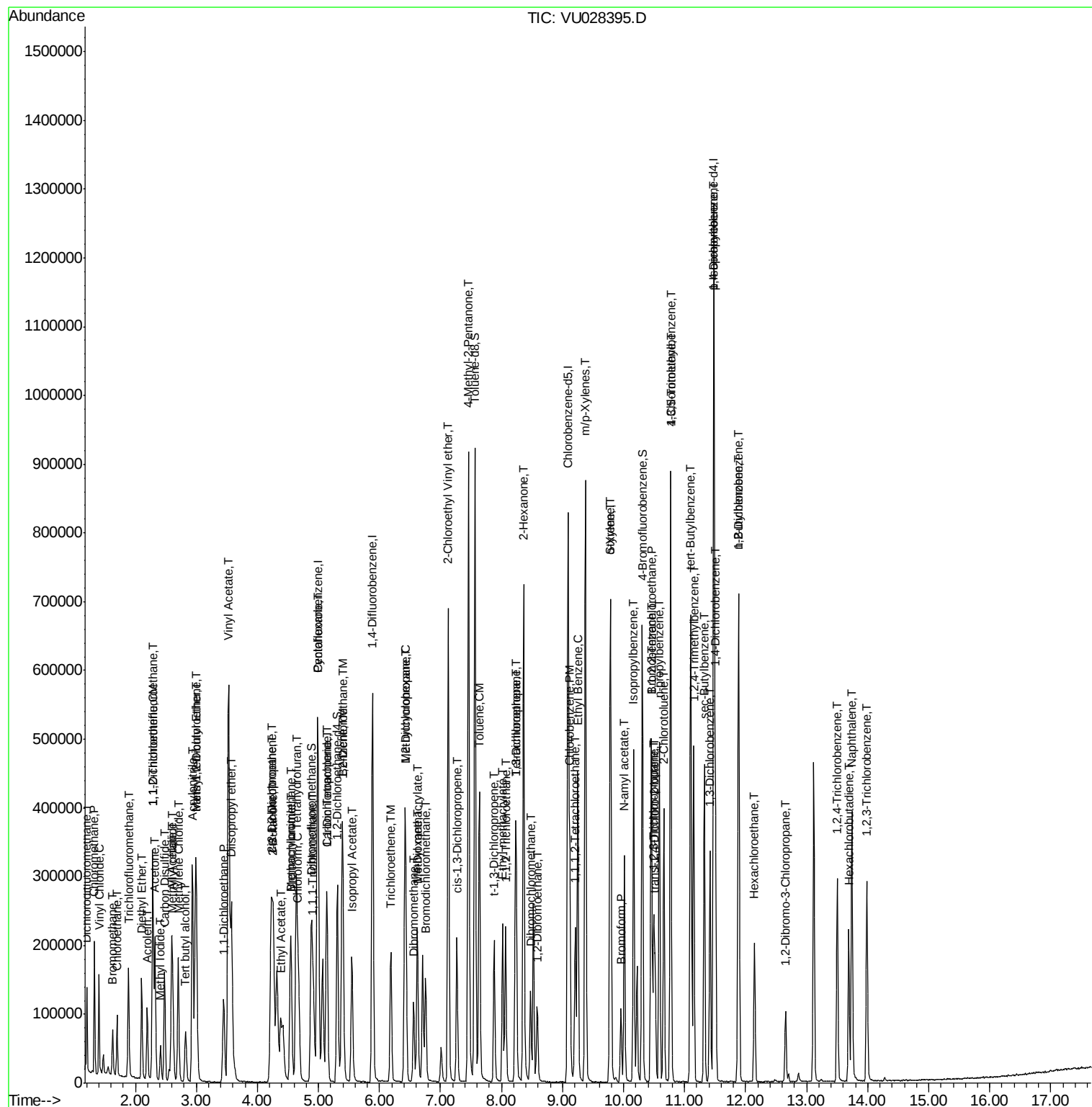
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 Data File : VU028395.D
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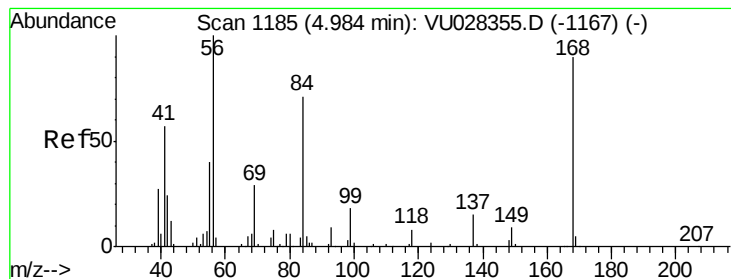
Instrument :
 MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBSD01

Tgt Ion: 168 Resp: 244854

Ion Ratio Lower Upper

168 100

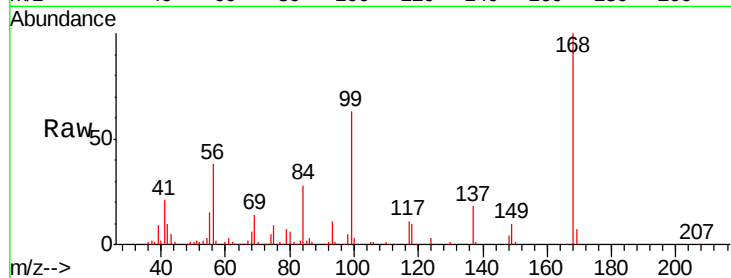
99 62.7 49.6 74.4

Manual Integrations

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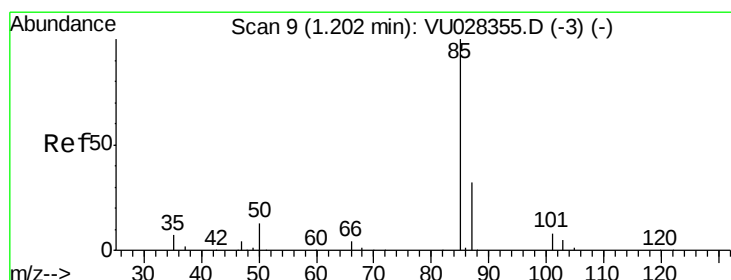
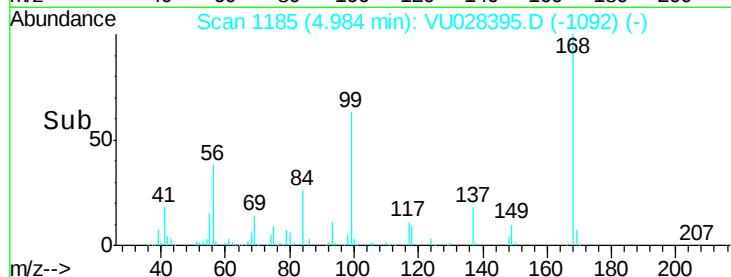
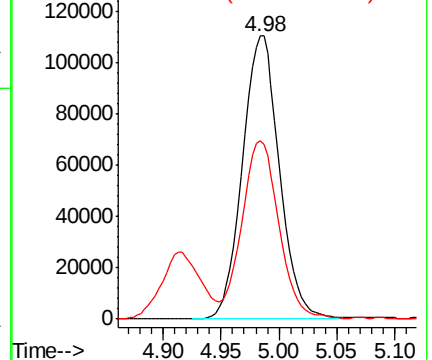
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 20.161 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028395.D

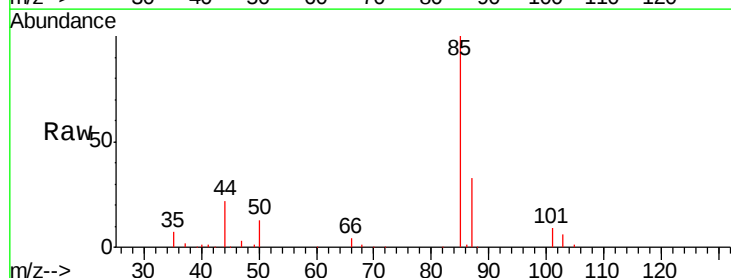
Acq: 29 Nov 2018 15:47

Tgt Ion: 85 Resp: 66222

Ion Ratio Lower Upper

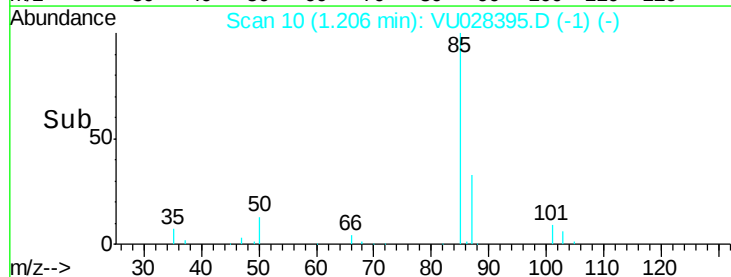
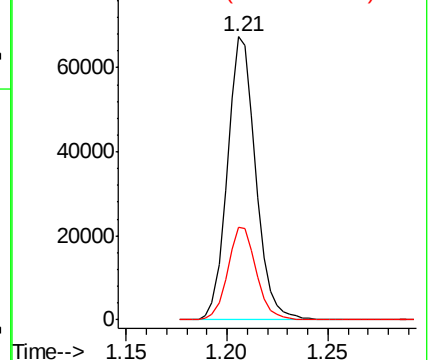
85 100

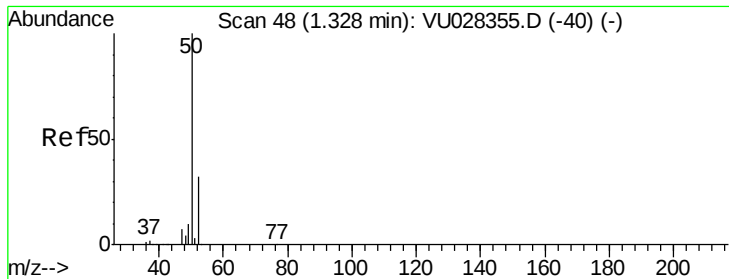
87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 18.907 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBSD01

Tgt Ion: 50 Resp: 120379

Ion Ratio Lower Upper

50 100

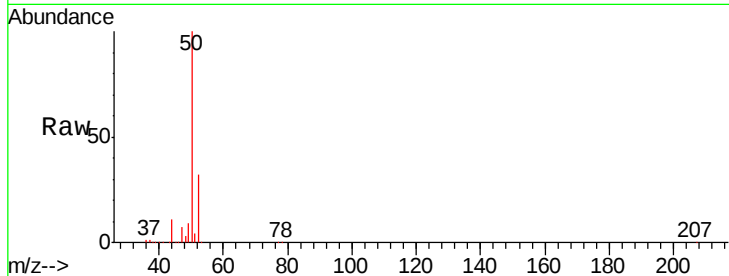
52 32.0 25.4 38.2

Manual Integrations

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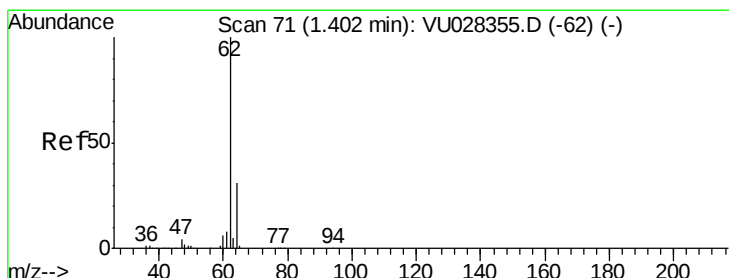
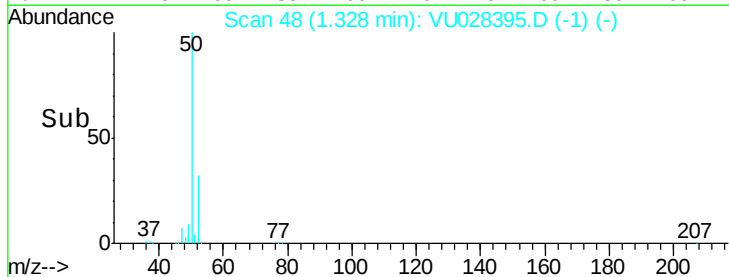
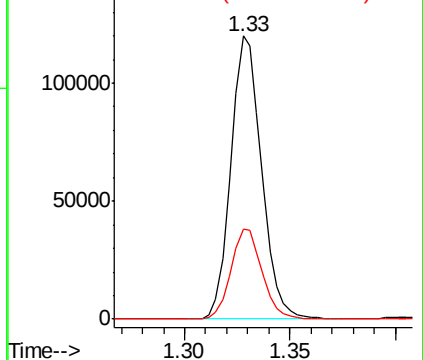
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 20.440 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028395.D

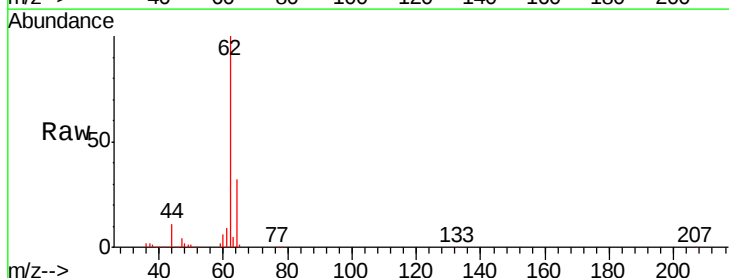
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Tgt Ion: 62 Resp: 91050

Ion Ratio Lower Upper

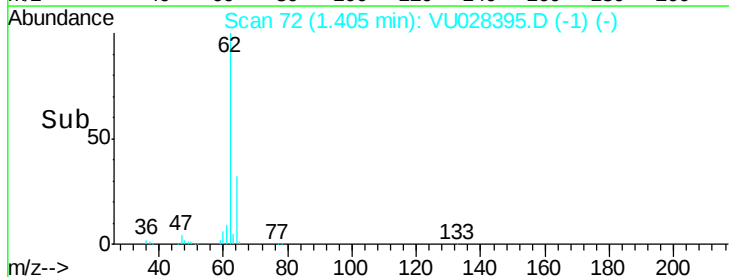
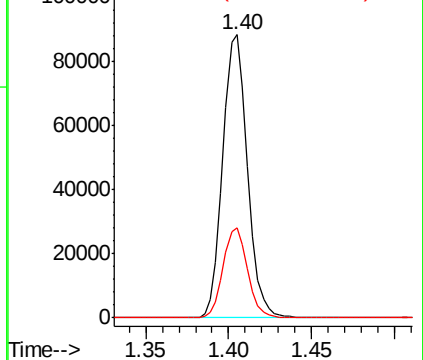
62 100

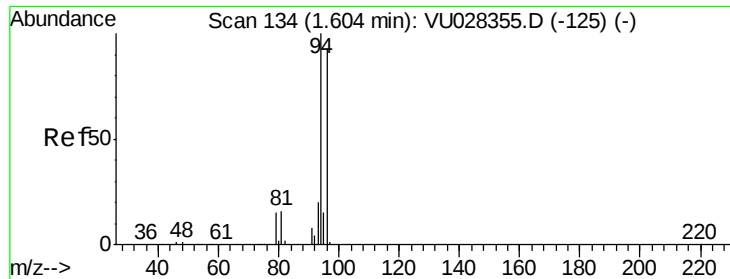
64 31.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 17.464 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.02 min

Lab File: VU028395.D

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Tgt Ion: 94 Resp: 30088

Ion Ratio Lower Upper

94 100

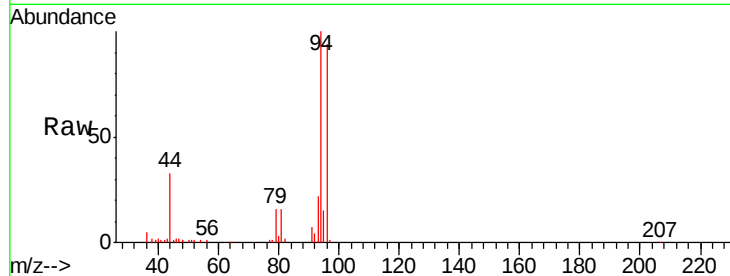
96 93.8 74.6 112.0

Manual Integrations

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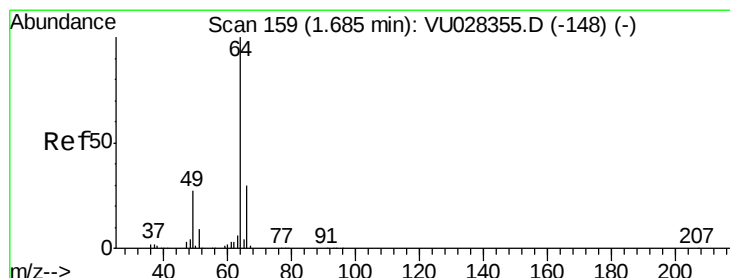
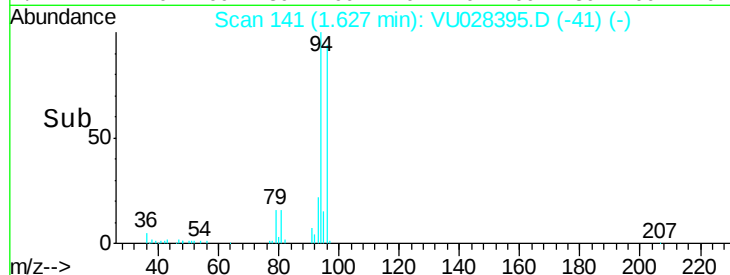
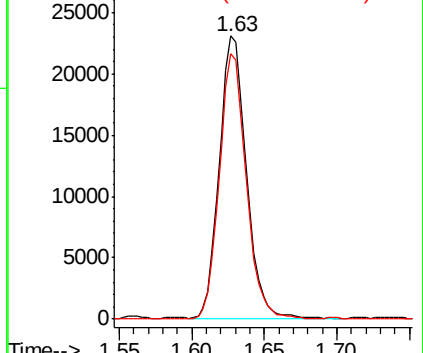
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.151 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU028395.D

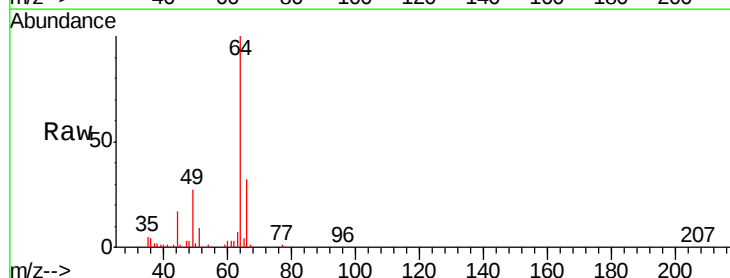
Acq: 29 Nov 2018 15:47

Tgt Ion: 64 Resp: 51653

Ion Ratio Lower Upper

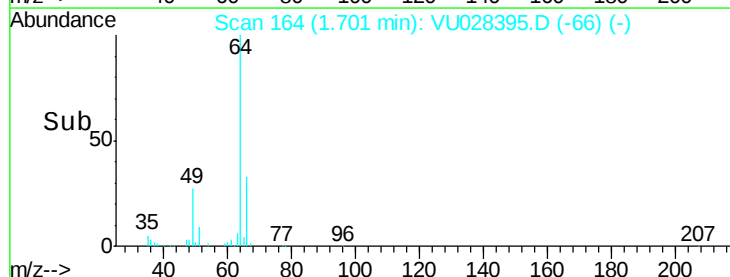
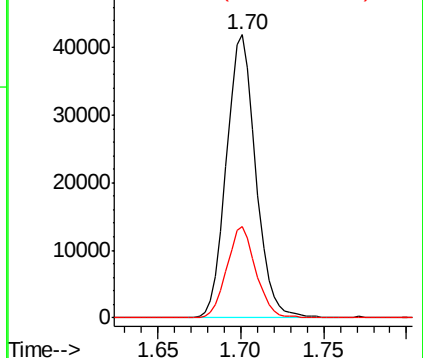
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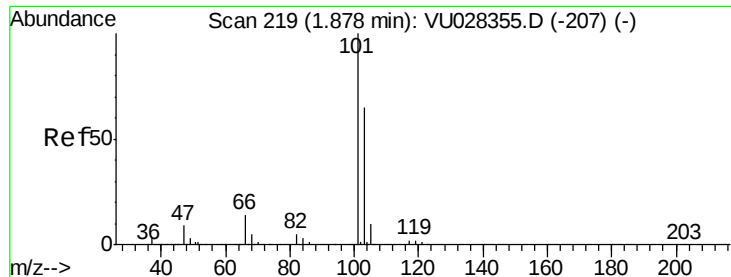
66 32.5 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

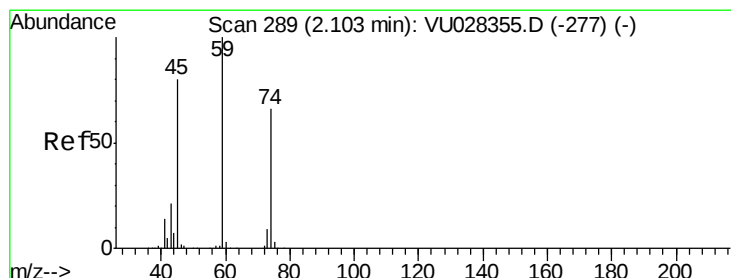
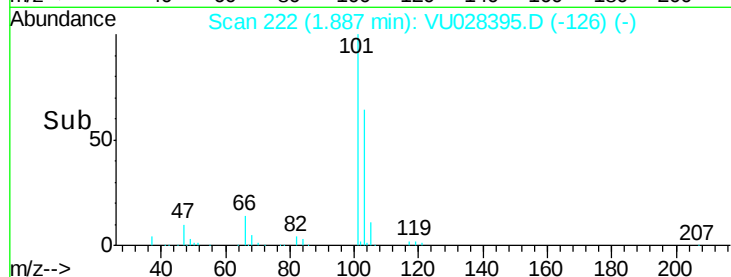
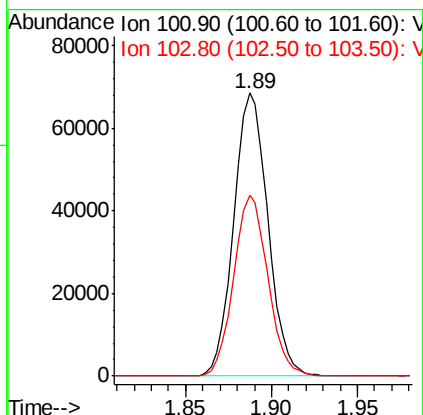
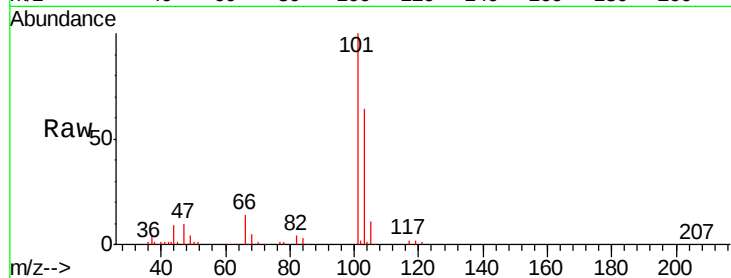
Trichlorofluoromethane
 Concen: 20.565 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VU028395.D
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	95155		
103	63.9	51.6	77.4	

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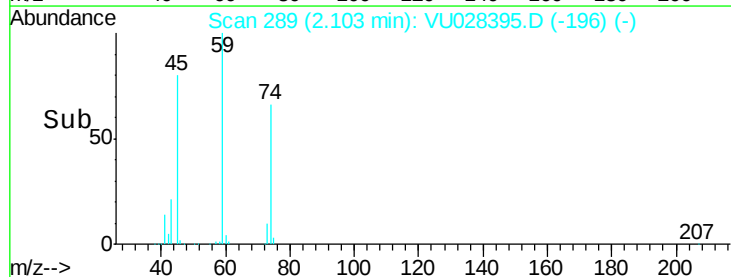
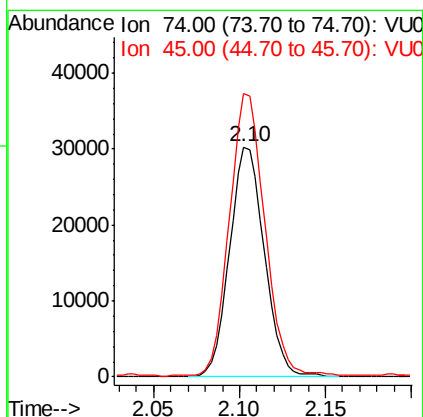
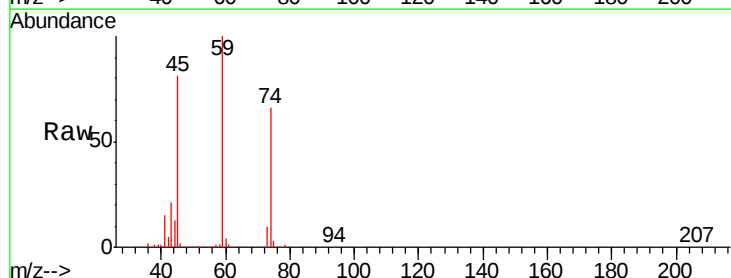
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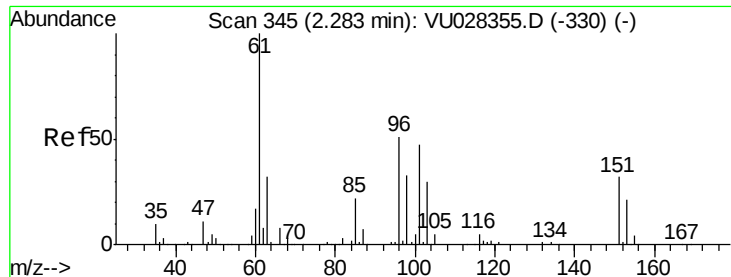


#8

Diethyl Ether
 Concen: 19.759 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	42501		
45	124.4	63.0	189.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.172 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

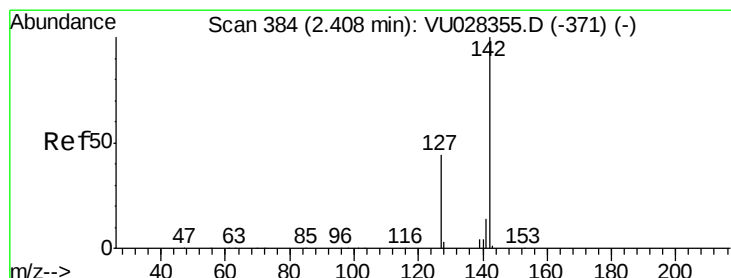
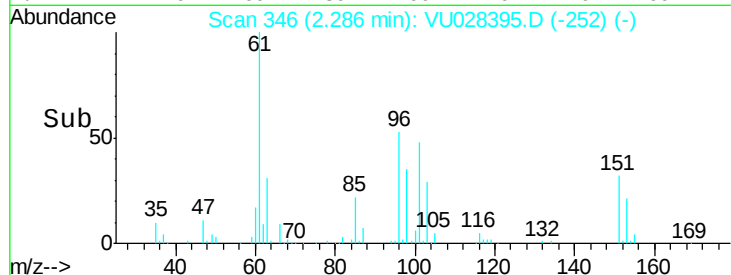
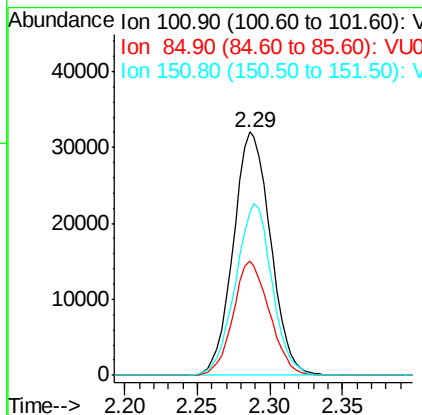
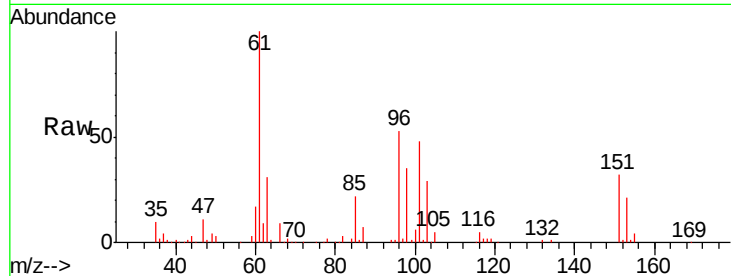
ClientSampleId :

VU1129WBSD01

Tgt Ion:	101	Resp:	57067
Ion Ratio	Lower	Upper	
101	100		
85	45.7	37.2	55.8
151	69.3	55.4	83.0

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#10

Methyl Iodide

Concen: 19.097 ug/l

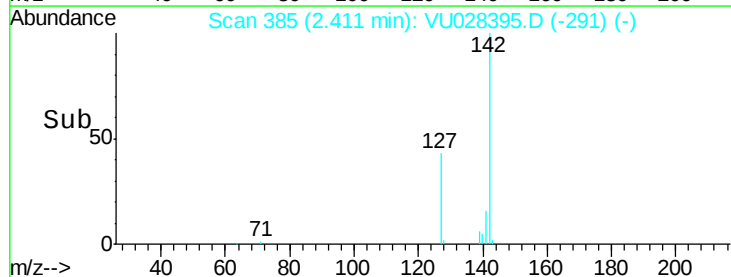
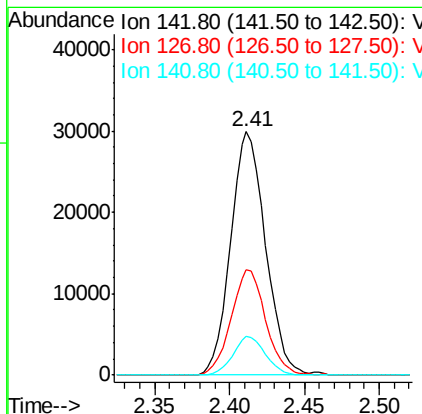
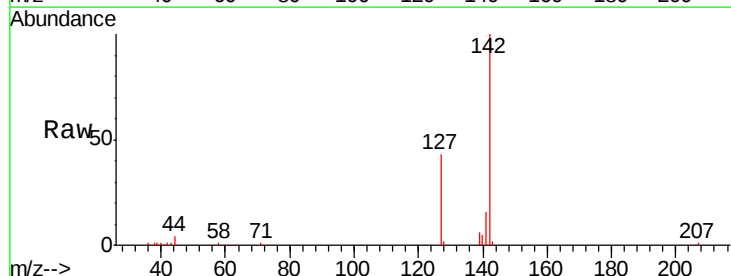
RT: 2.41 min Scan# 385

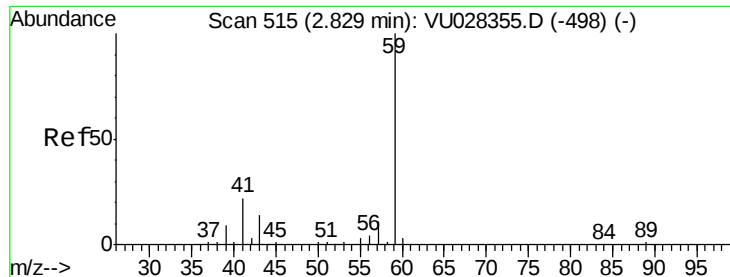
Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Tgt Ion:	142	Resp:	48540
Ion Ratio	Lower	Upper	
142	100		
127	42.7	35.0	52.6
141	14.8	11.2	16.8





#11

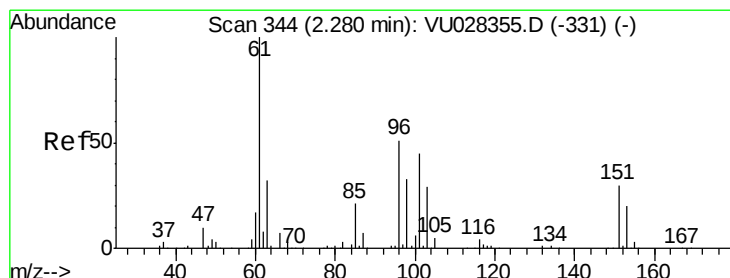
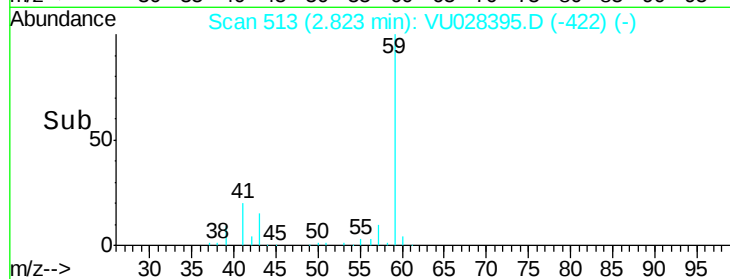
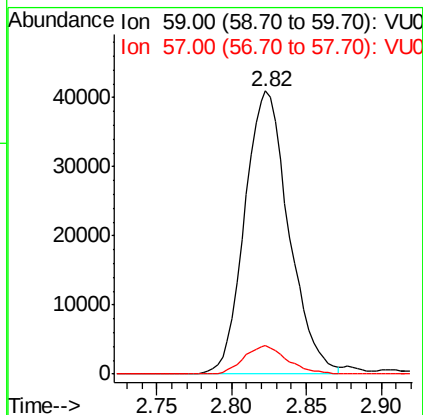
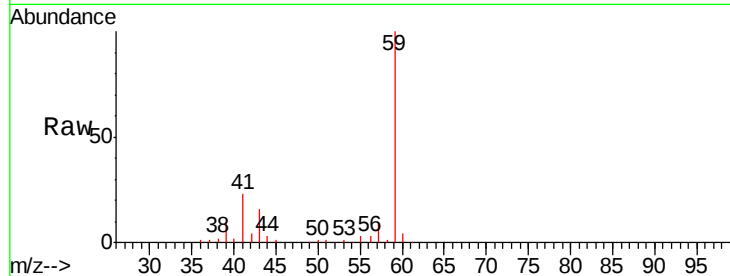
Tert butyl alcohol
Concen: 90.385 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

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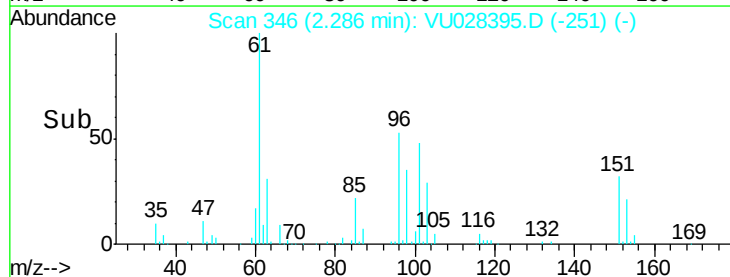
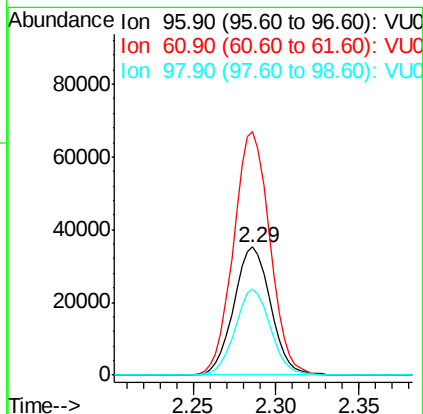
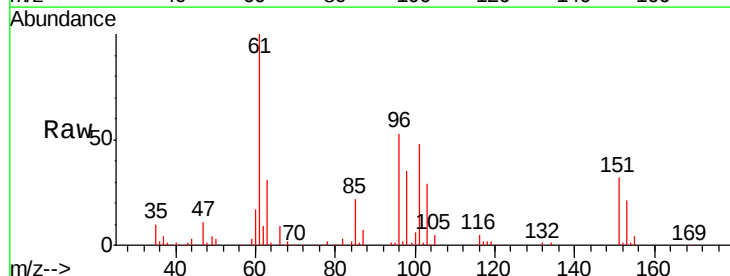
MMDadoda
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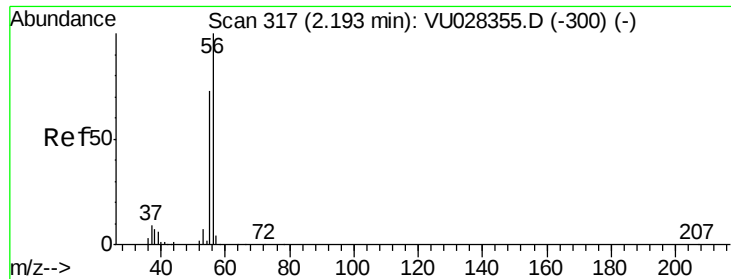


#12

1,1-Dichloroethene
Concen: 20.811 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.01 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.9	158.1	237.1
98	67.0	51.4	77.2





#13

Acrolein

Concen: 86.066 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBSD01

Tgt Ion: 56 Resp: 71132

Ion Ratio Lower Upper

56 100

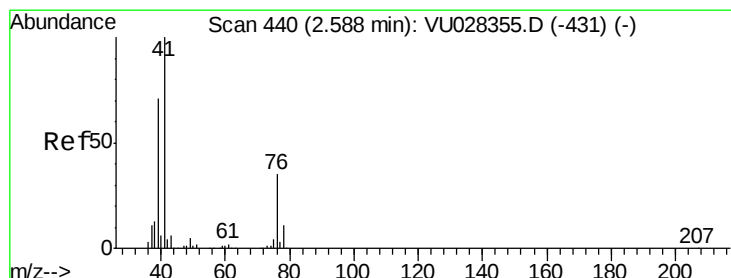
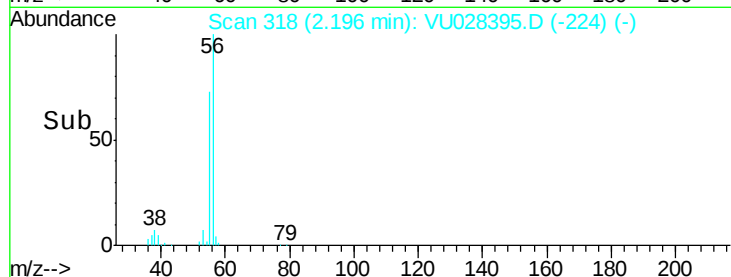
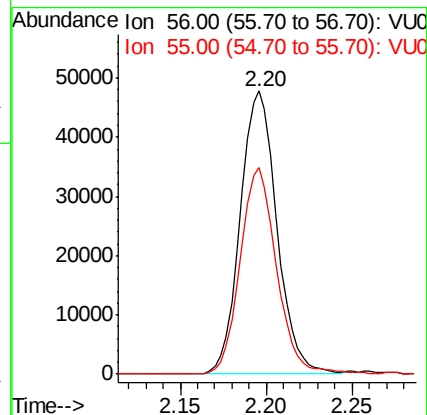
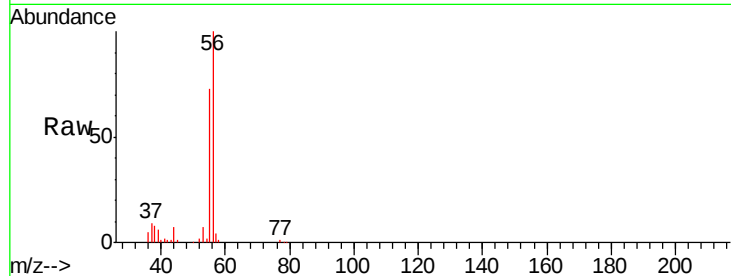
55 72.5 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.070 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.01 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

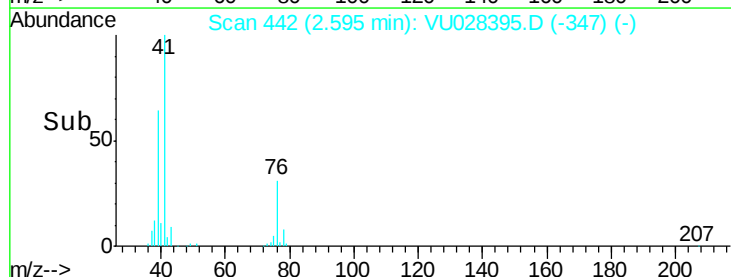
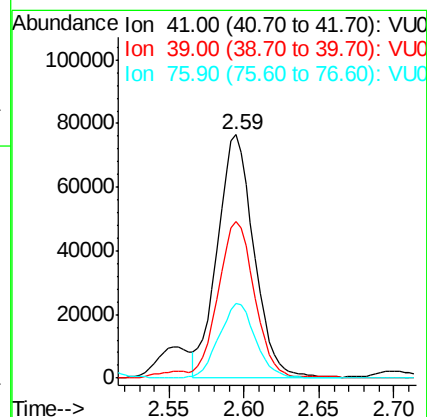
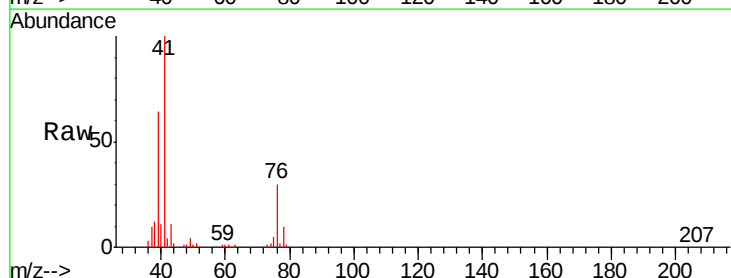
Tgt Ion: 41 Resp: 130327

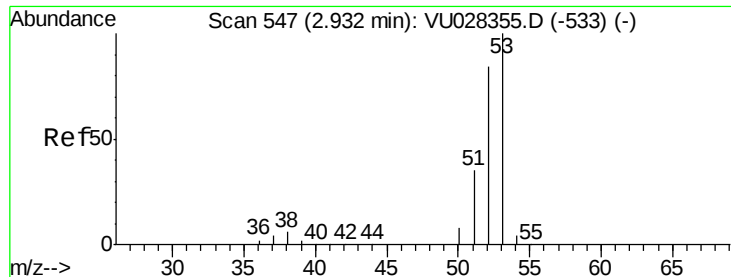
Ion Ratio Lower Upper

41 100

39 63.0 51.6 77.4

76 30.5 24.4 36.6





#15

Acrylonitrile

Concen: 103.716 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

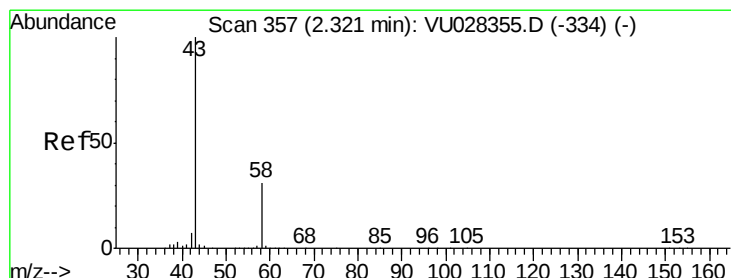
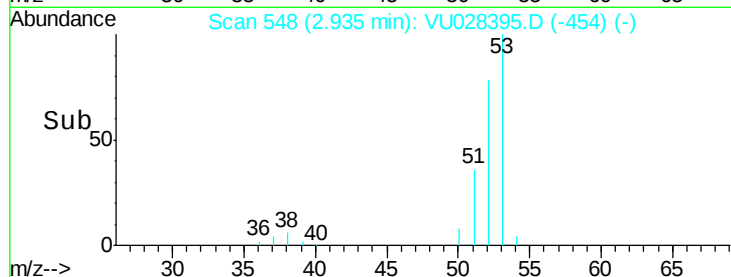
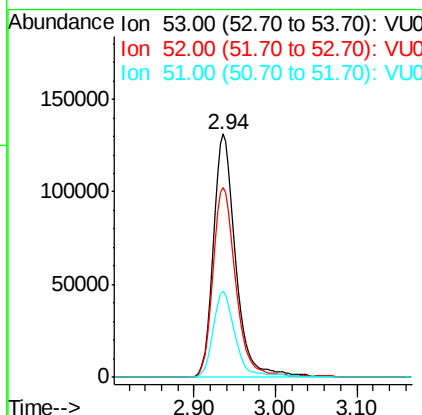
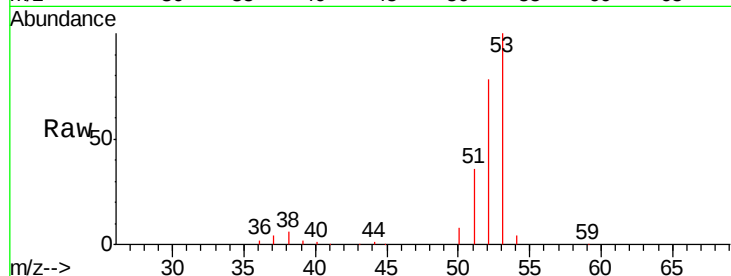
ClientSampleId :

VU1129WBSD01

Tgt Ion:	53	Resp:	255050
Ion	Ratio	Lower	Upper
53	100		
52	79.5	65.7	98.5
51	35.1	27.8	41.6

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#16

Acetone

Concen: 83.153 ug/l

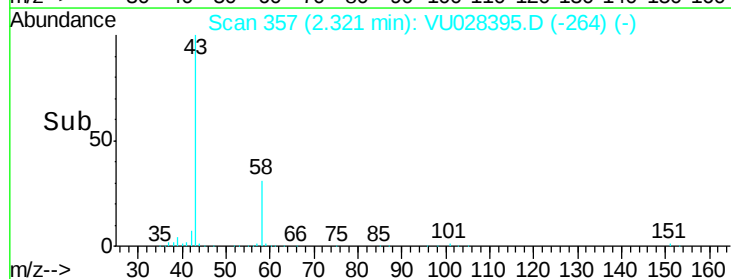
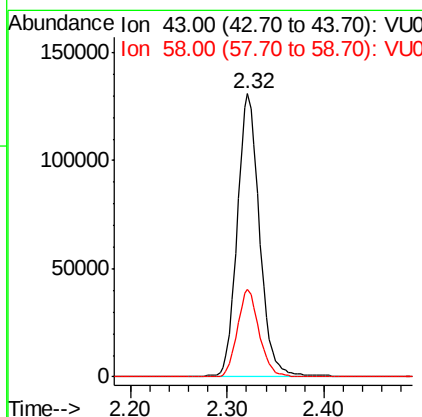
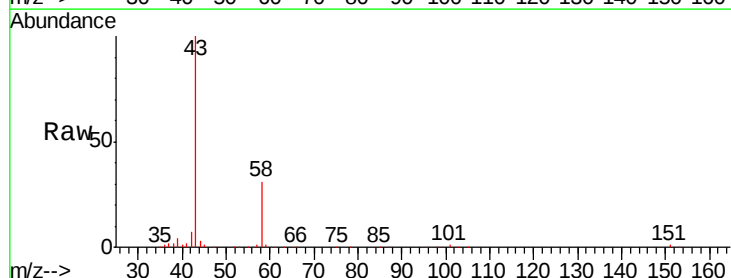
RT: 2.32 min Scan# 357

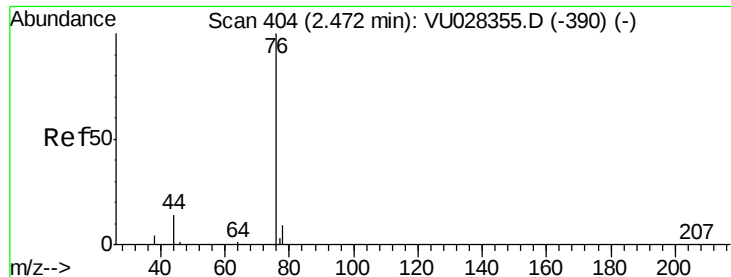
Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Tgt Ion:	43	Resp:	208153
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.4	36.6





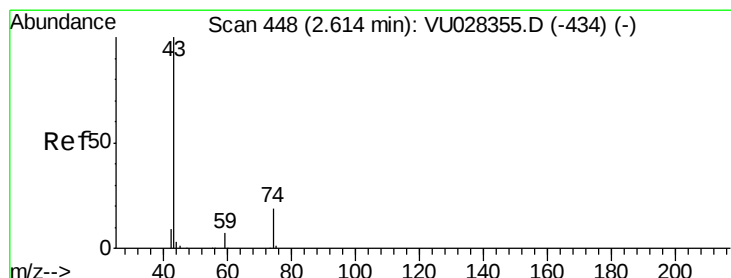
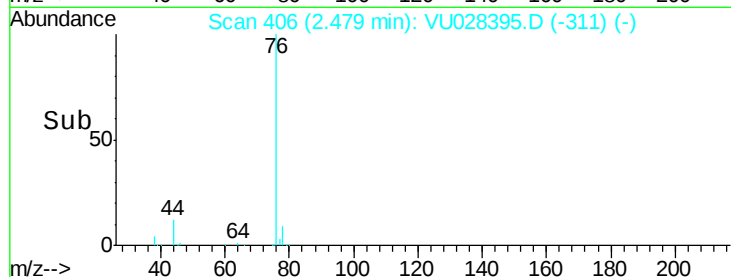
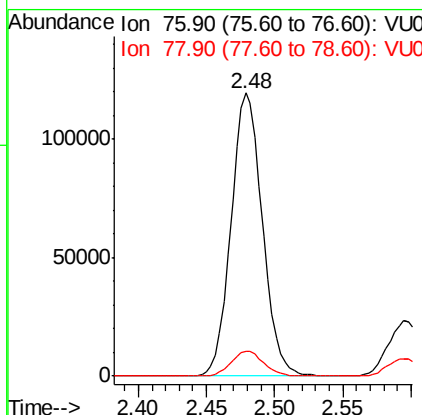
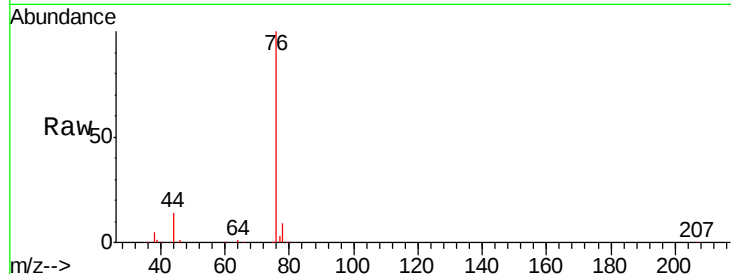
#17
Carbon Disulfide
Concen: 18.934 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.01 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

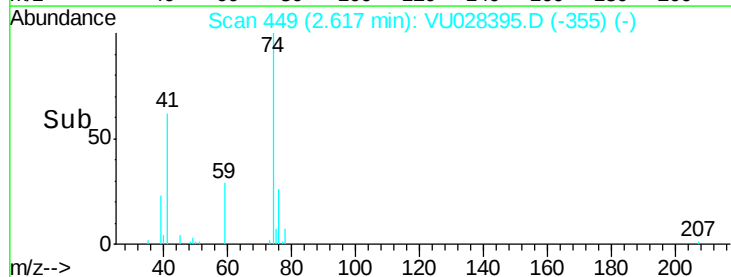
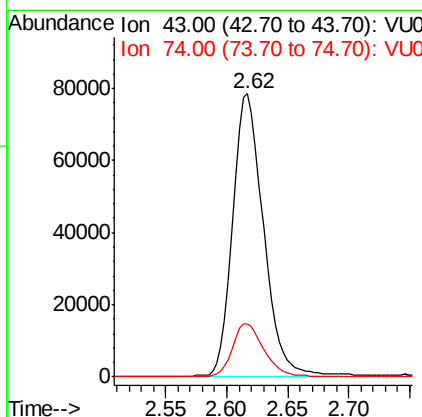
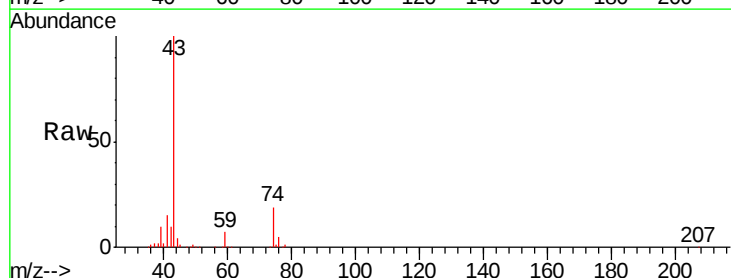
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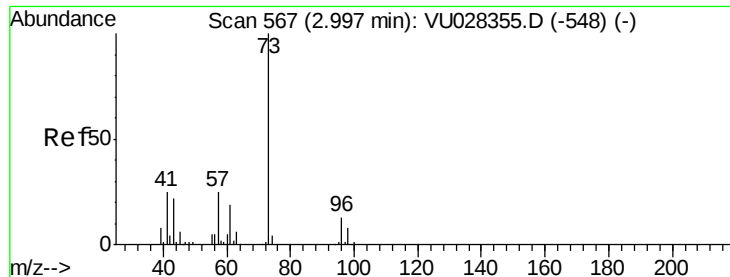
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#18
Methyl Acetate
Concen: 19.782 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.3	22.9





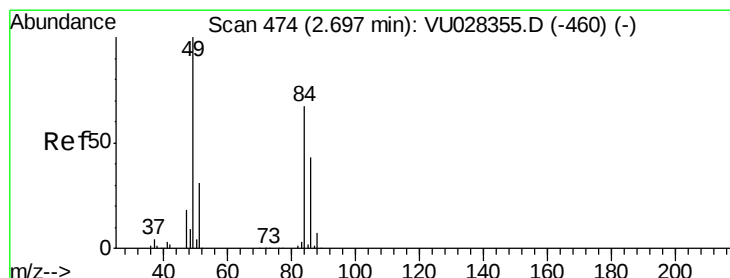
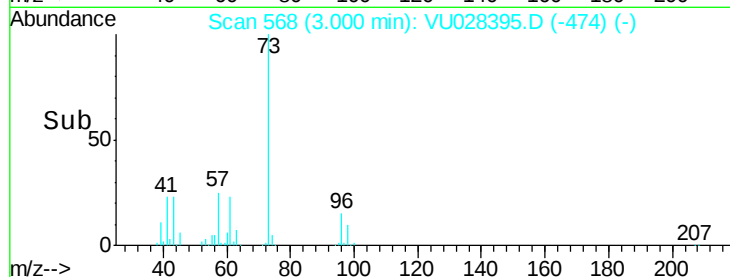
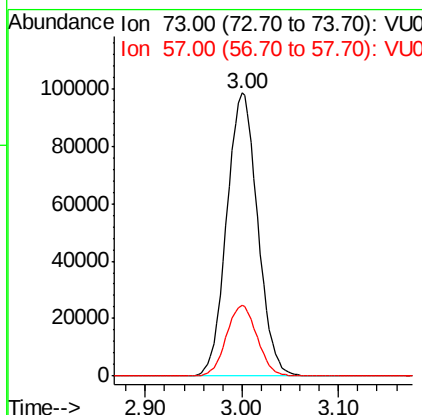
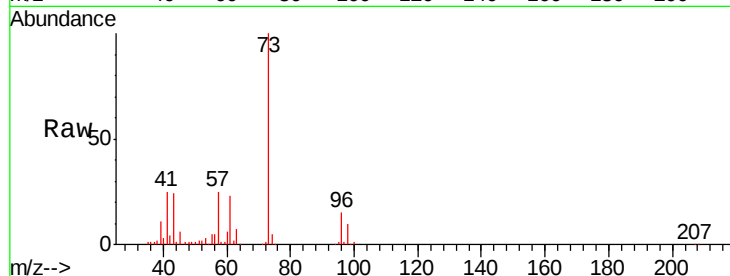
#19
Methyl tert-butyl Ether
Concen: 20.409 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion: 73 Resp: 218873
Ion Ratio Lower Upper
73 100
57 25.2 20.1 30.1

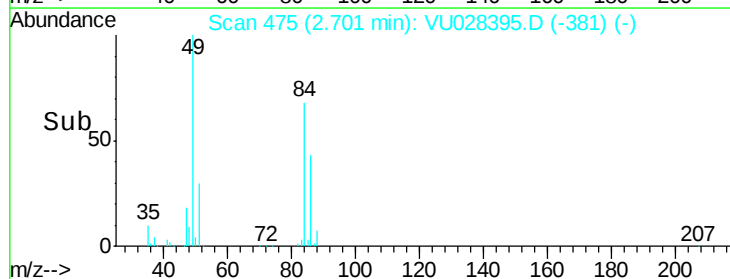
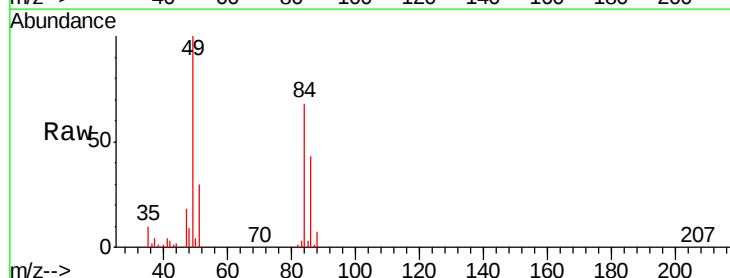
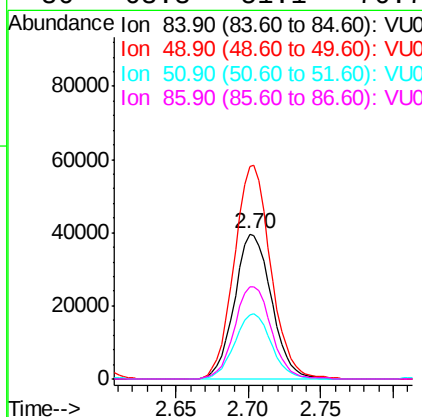
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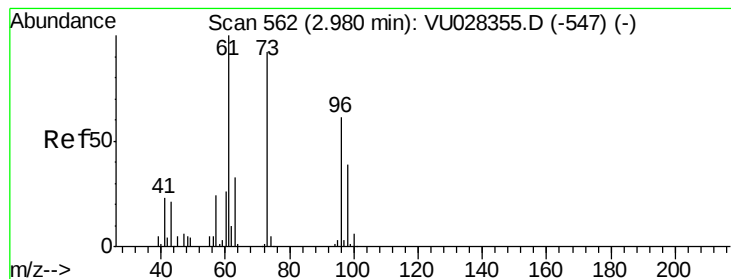
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#20
Methylene Chloride
Concen: 19.851 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion: 84 Resp: 70247
Ion Ratio Lower Upper
84 100
49 146.9 120.0 180.0
51 44.5 36.9 55.3
86 63.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 20.535 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBSD01

Tgt Ion: 96 Resp: 62295

Ion Ratio Lower Upper

96 100

61 162.9 131.1 196.7

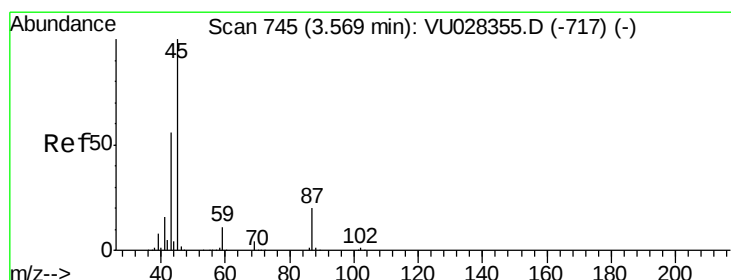
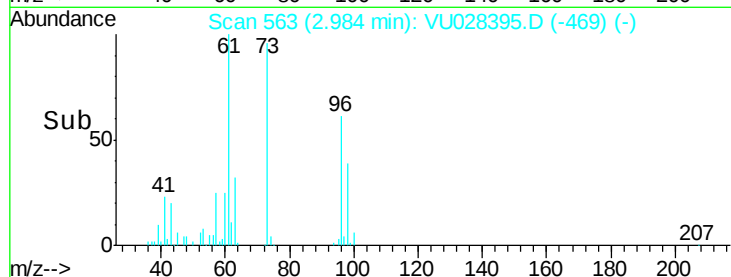
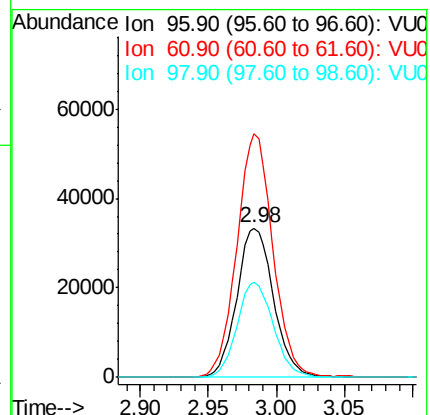
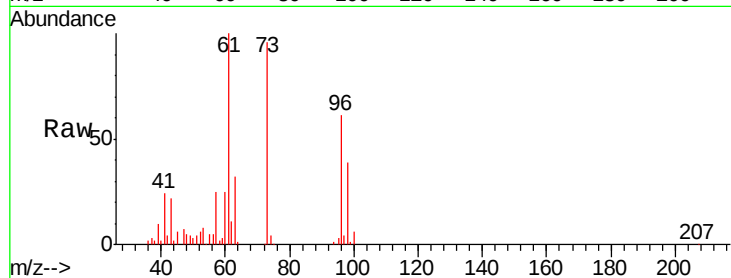
98 63.8 51.7 77.5

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#22

Diisopropyl ether

Concen: 20.487 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Tgt Ion: 45 Resp: 275660

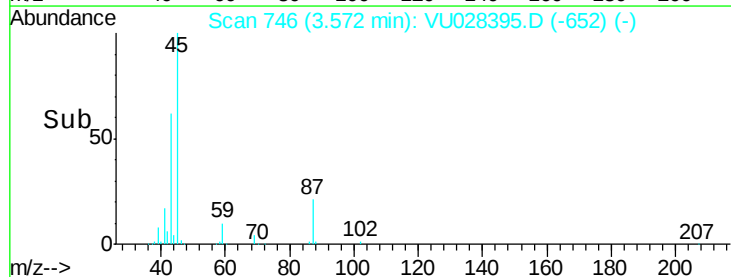
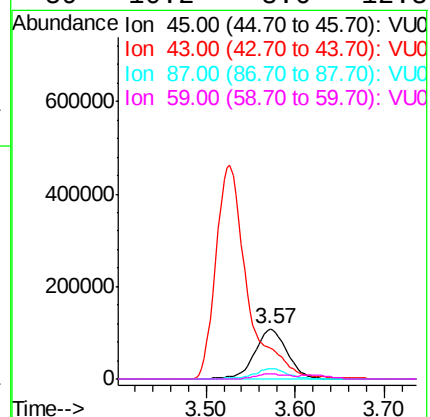
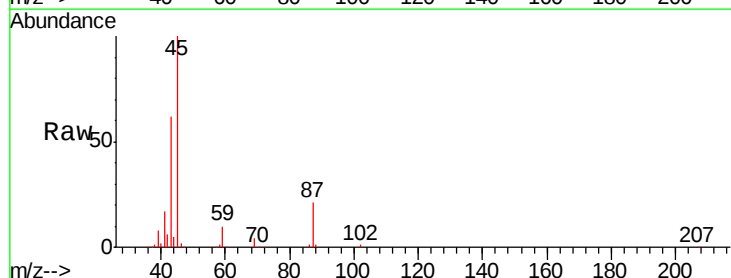
Ion Ratio Lower Upper

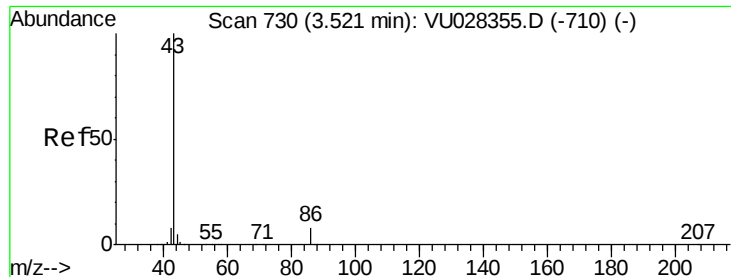
45 100

43 60.6 44.8 67.2

87 20.9 16.3 24.5

59 10.2 8.6 12.8





#23

Vinyl Acetate

Concen: 101.450 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.01 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBSD01

Tgt Ion: 43 Resp: 1134633

Ion Ratio Lower Upper

43 100

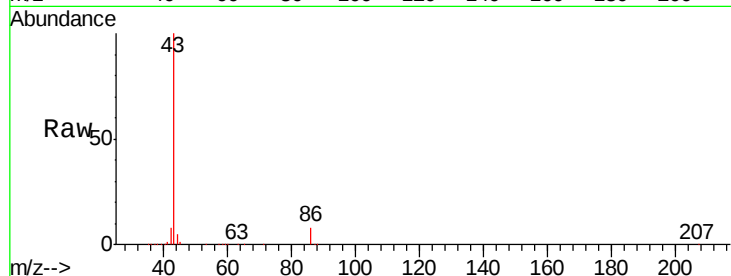
86 8.1 6.5 9.7

Manual Integrations

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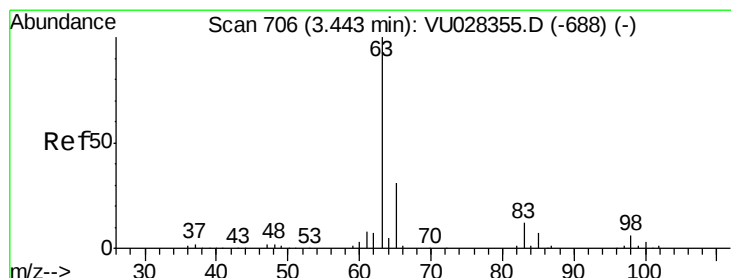
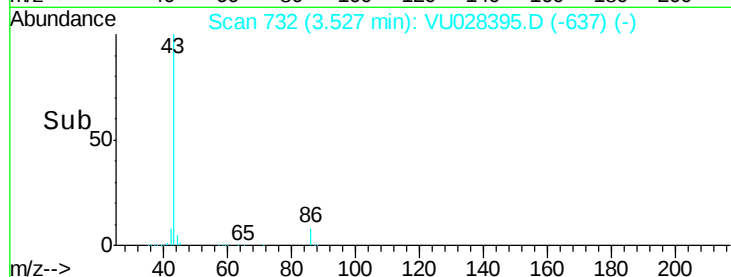
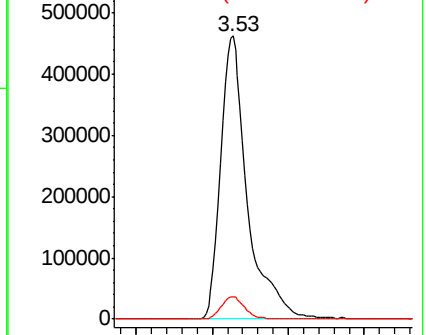
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 20.725 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

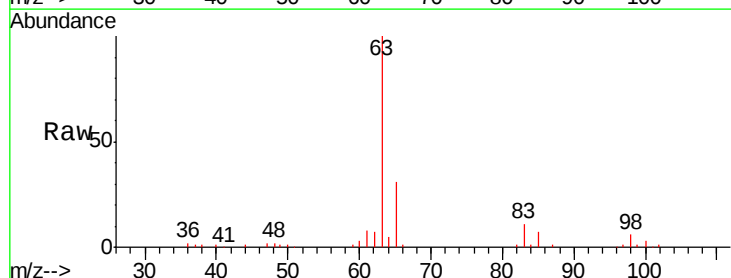
Tgt Ion: 63 Resp: 137487

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

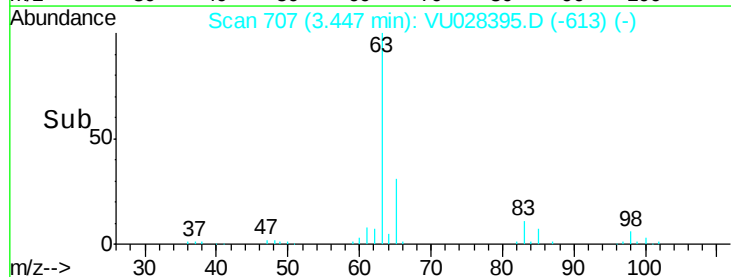
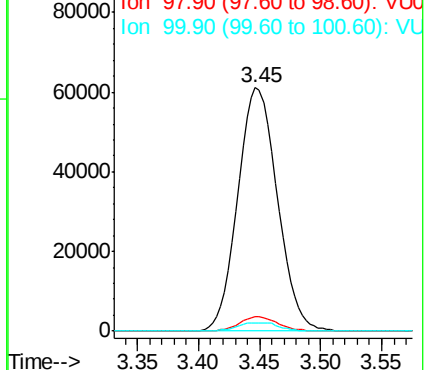
100 3.4 1.7 5.1

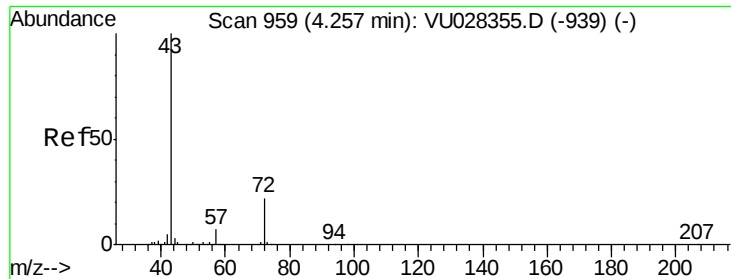


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 95.144 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.01 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBSD01

Tgt Ion: 43 Resp: 341336

Ion Ratio Lower Upper

43 100

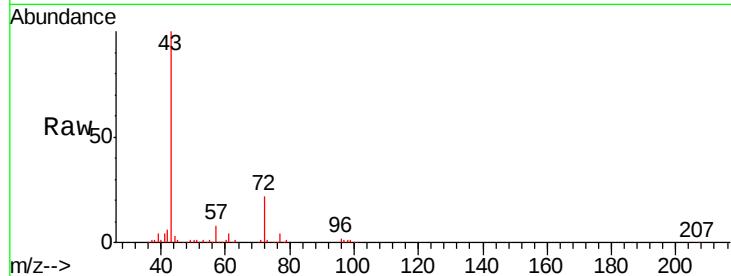
72 21.4 17.7 26.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

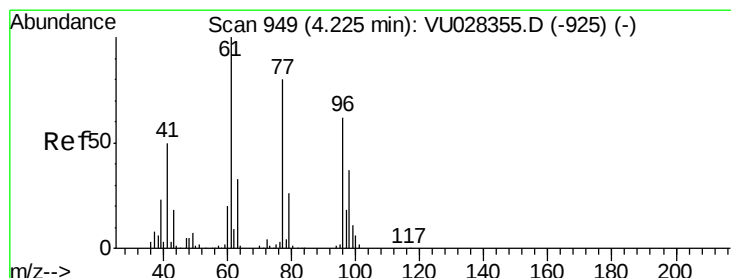
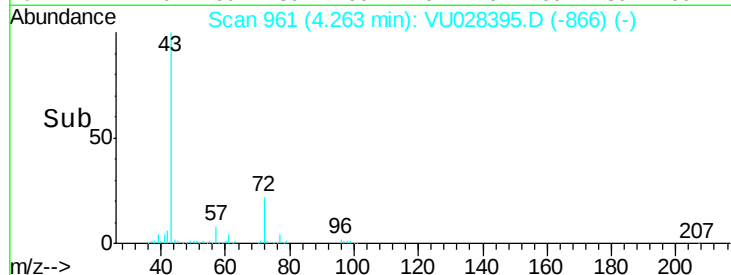
100000

50000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 18.511 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028395.D

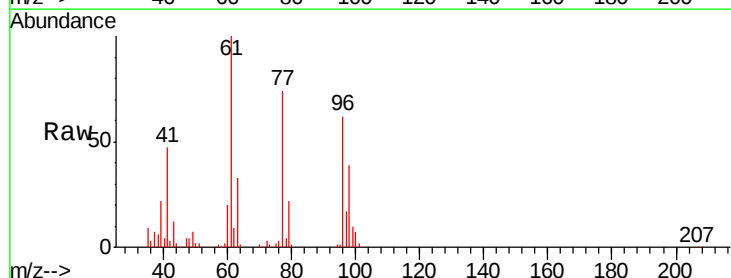
Acq: 29 Nov 2018 15:47

Tgt Ion: 77 Resp: 97525

Ion Ratio Lower Upper

77 100

97 21.8 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

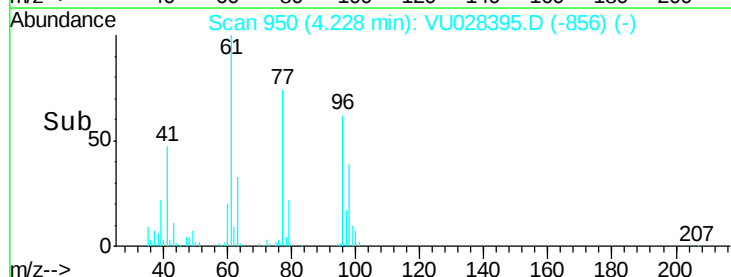
20000

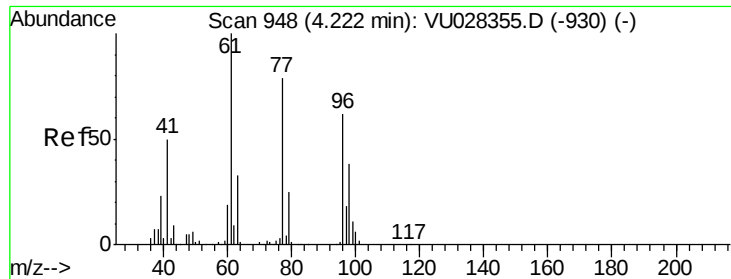
10000

0

4.10 4.20 4.30

Time-->





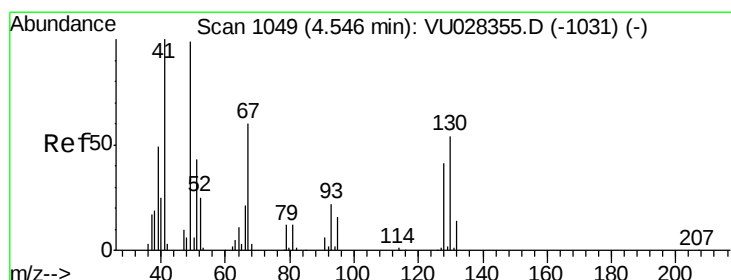
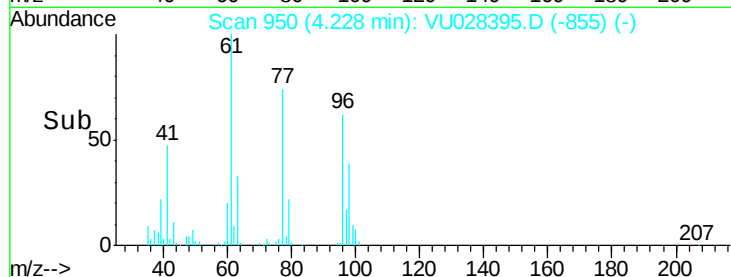
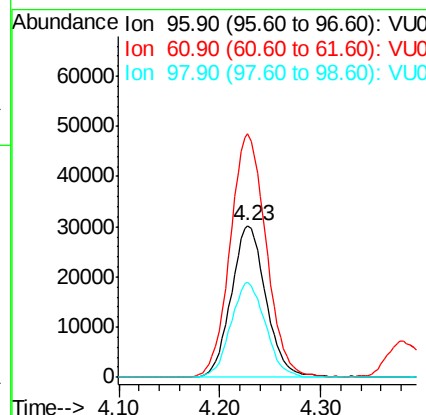
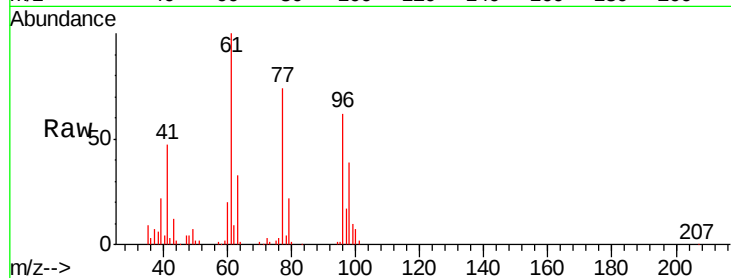
#27
 cis-1,2-Dichloroethene
 Concen: 20.194 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.0	0.0	342.0
98	62.2	0.0	126.4

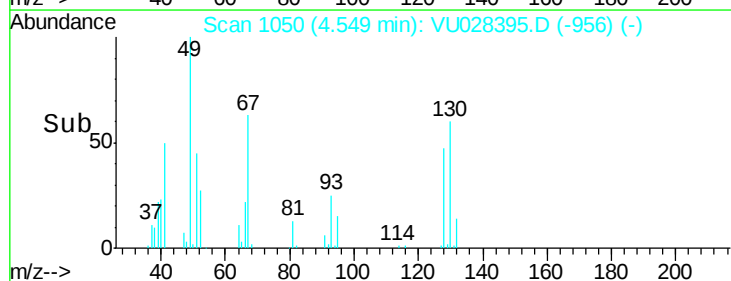
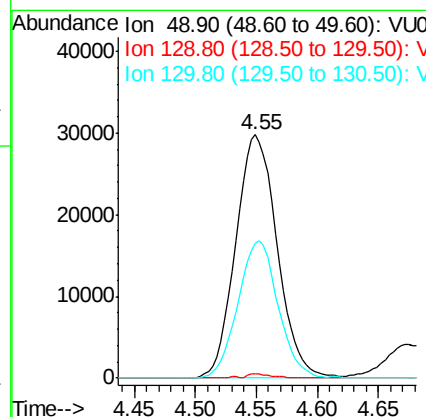
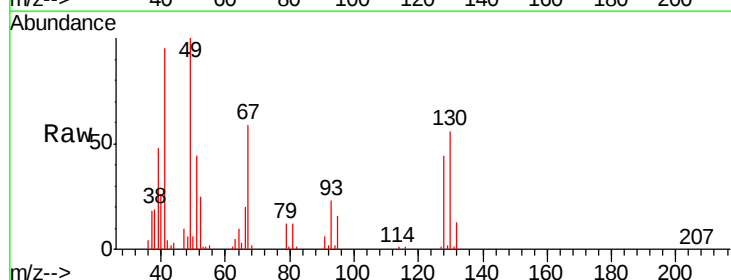
Manual Integrations
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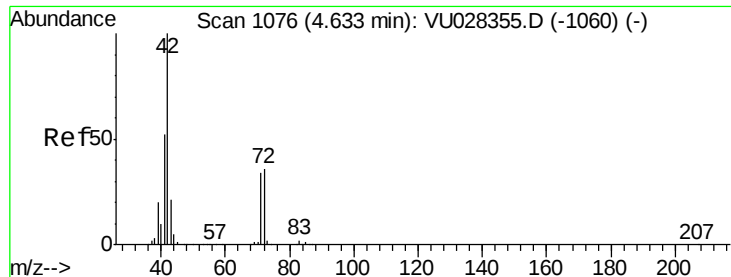
MMDadoda
 11/30/2018 11:25:55 AM



#28
 Bromochloromethane
 Concen: 21.173 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.6
130	54.4	44.5	66.7





#29

Tetrahydrofuran

Concen: 102.648 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

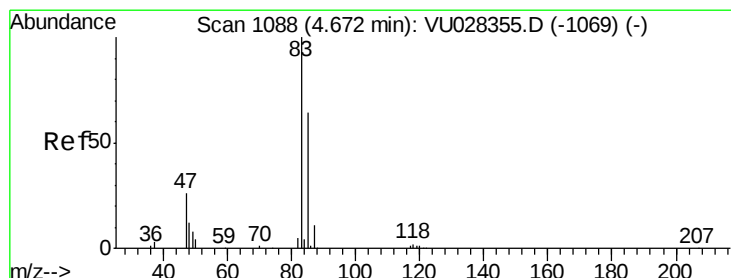
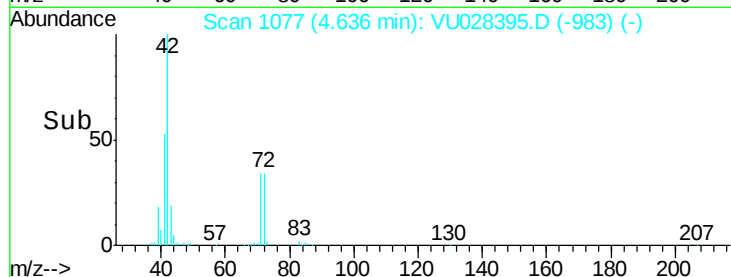
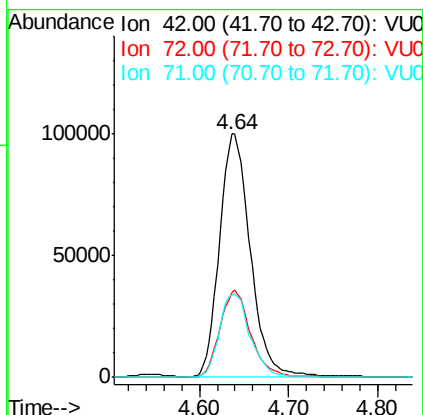
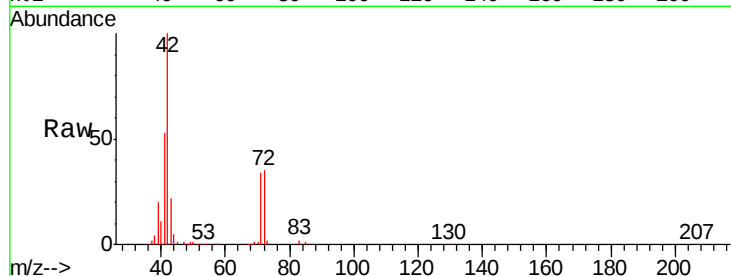
ClientSampleId :

VU1129WBSD01

Tgt Ion:	42	Resp:	239097
Ion Ratio		Lower	Upper
42	100		
72	35.6	29.5	44.3
71	34.0	27.7	41.5

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11/30/2018 11:25:55 AM



#30

Chloroform

Concen: 20.207 ug/l

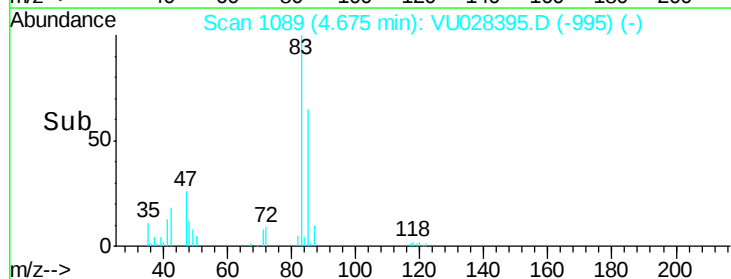
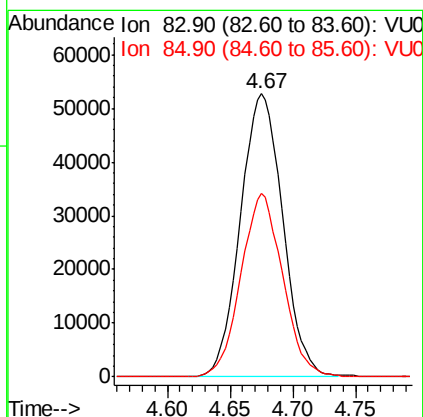
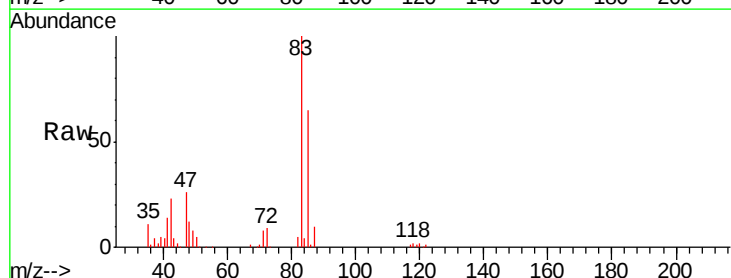
RT: 4.67 min Scan# 1089

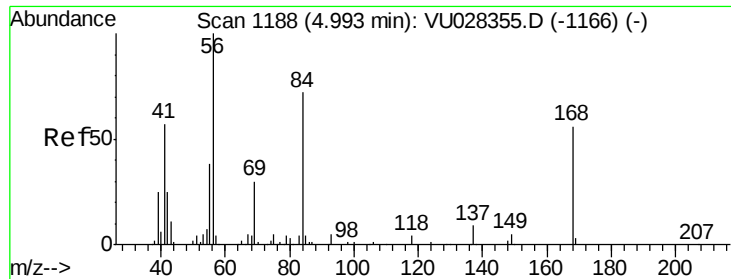
Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Tgt Ion:	83	Resp:	123730
Ion Ratio		Lower	Upper
83	100		
85	64.8	51.2	76.8





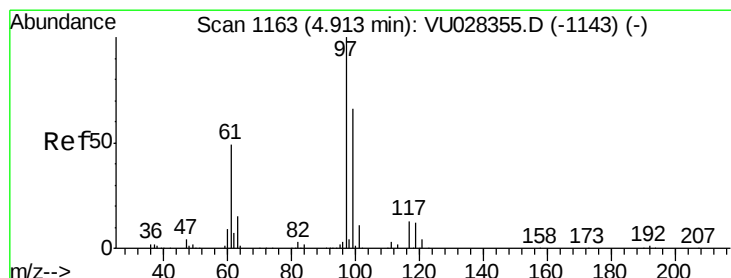
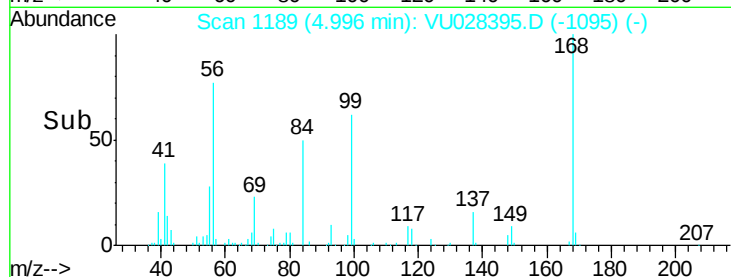
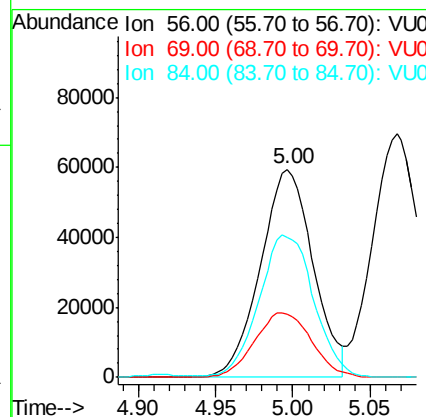
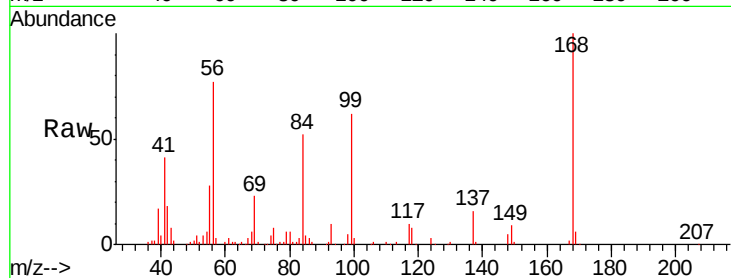
#31
Cyclohexane
Concen: 20.441 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.7	35.5
84	66.6	57.3	85.9

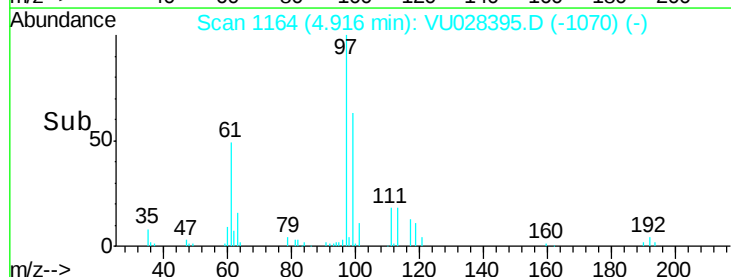
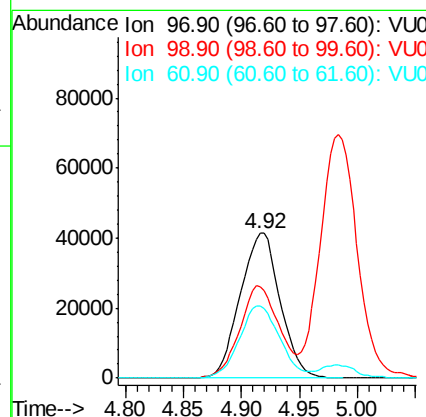
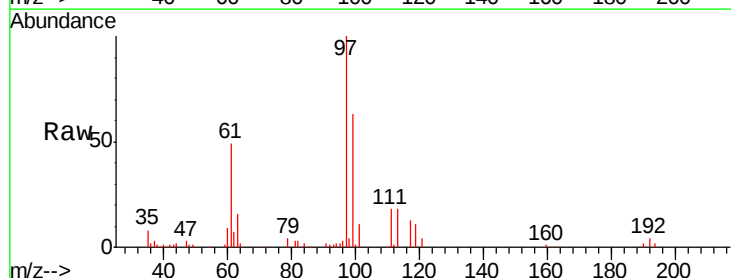
Manual Integrations
APPROVED

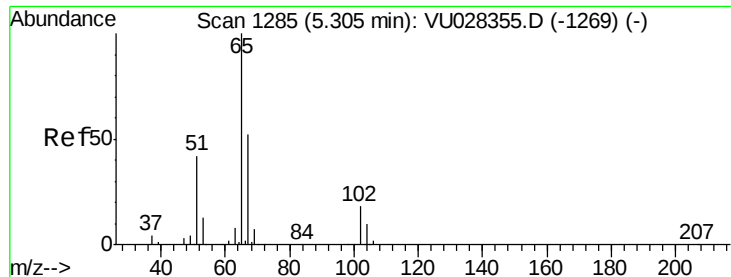
MMDadoda
11/30/2018 11:25:55 AM



#32
1,1,1-Trichloroethane
Concen: 20.257 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.8	76.2
61	50.6	39.1	58.7





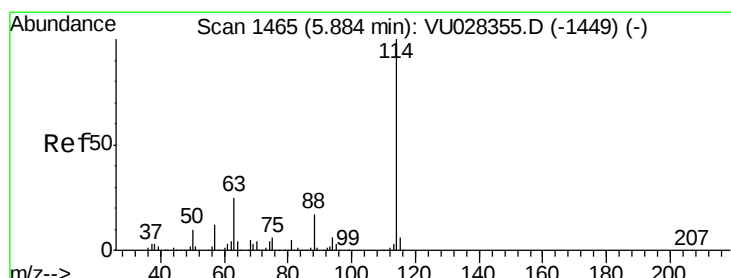
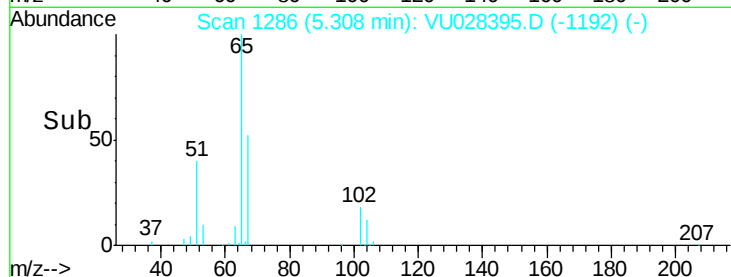
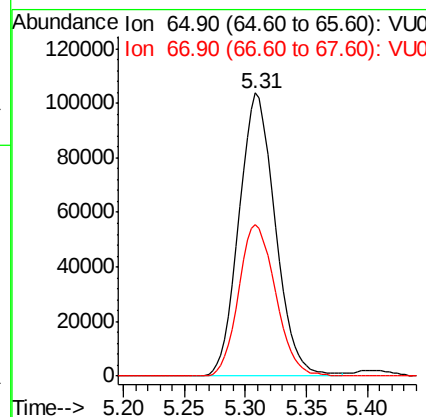
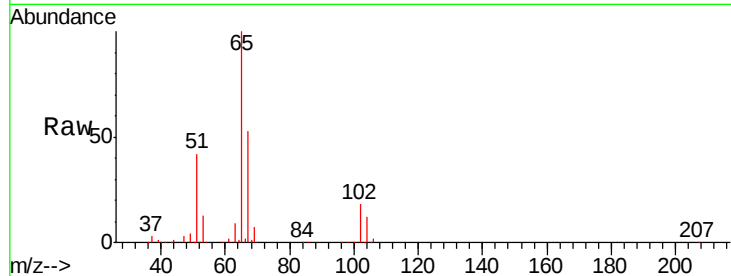
#33
 1,2-Dichloroethane-d4
 Concen: 52.337 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	214170		
67	54.6	0.0	106.8	

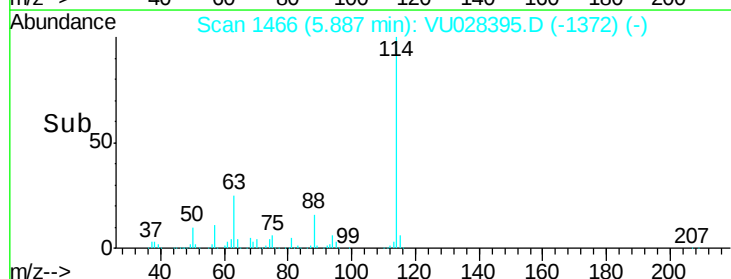
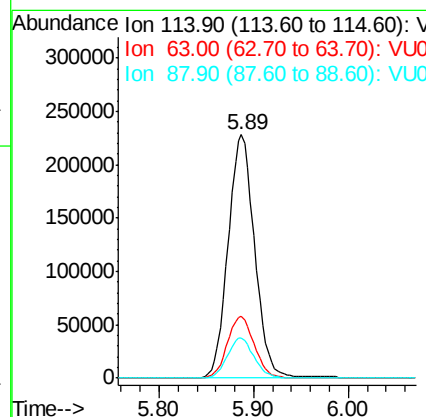
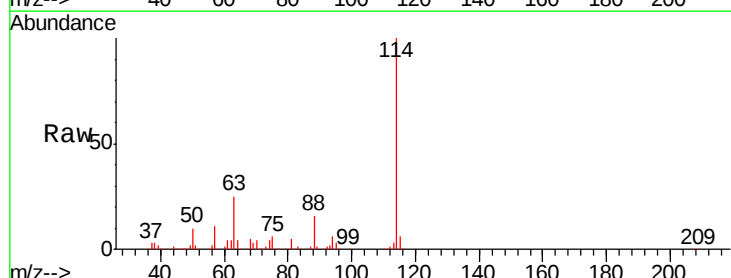
Manual Integrations
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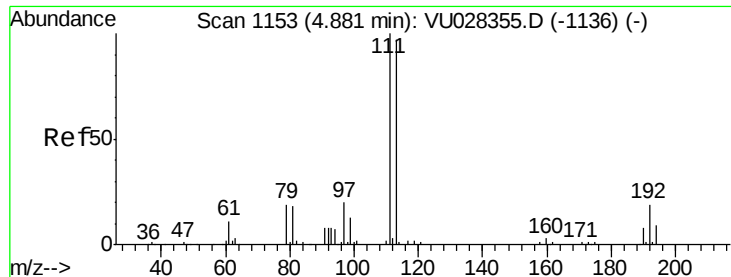
MMDadoda
 11/30/2018 11:25:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	445748		
63	25.1	0.0	50.0	
88	16.5	0.0	34.4	





#35

Dibromofluoromethane

Concen: 49.953 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

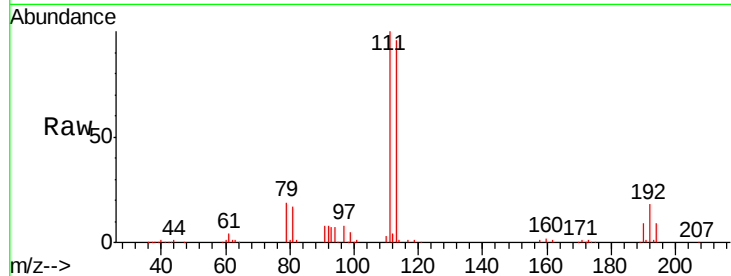
ClientSampleId :

VU1129WBSD01

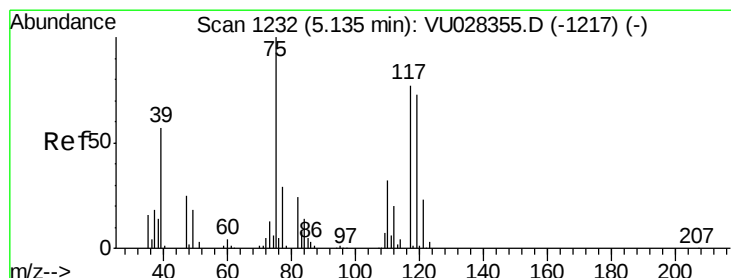
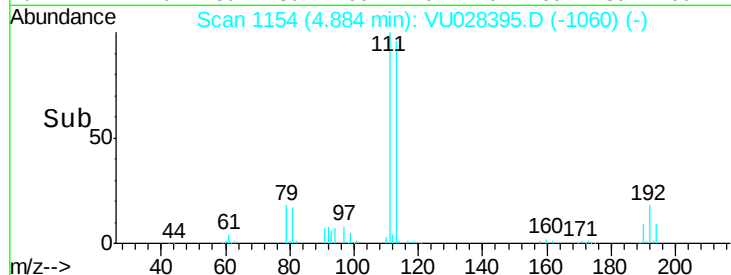
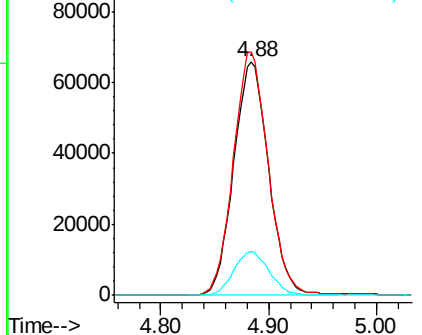
Tgt Ion:	113	Resp:	148064
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.9	124.3
192	19.0	15.4	23.0

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.520 ug/l

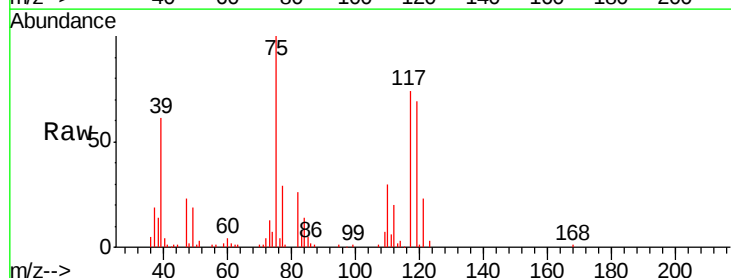
RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

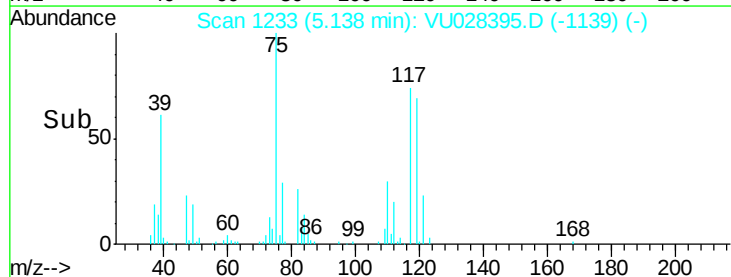
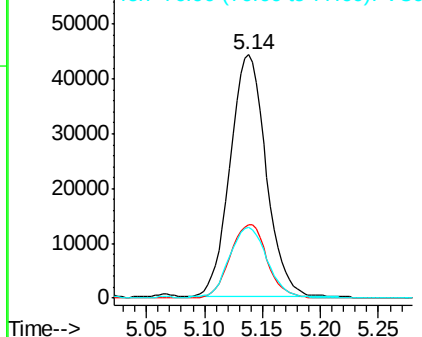
Lab File: VU028395.D

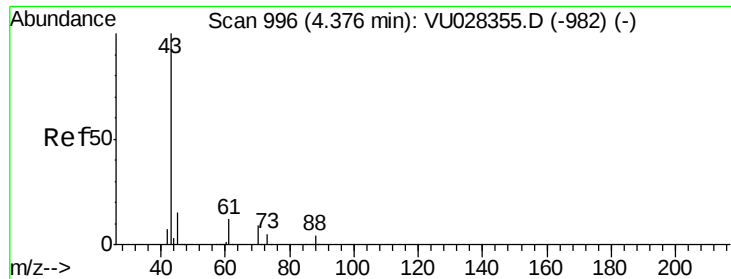
Acq: 29 Nov 2018 15:47

Tgt Ion:	75	Resp:	95214
Ion Ratio	Lower	Upper	
75	100		
110	31.1	15.8	47.4
77	30.9	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0





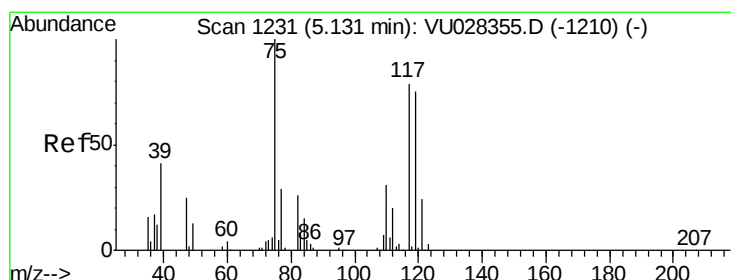
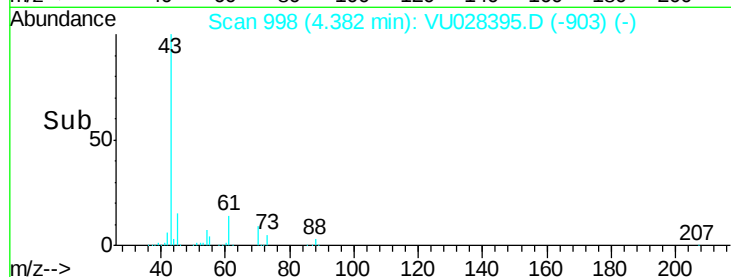
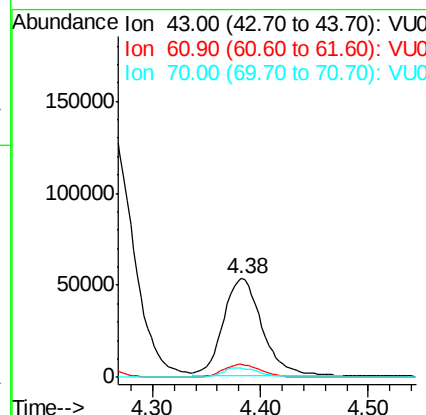
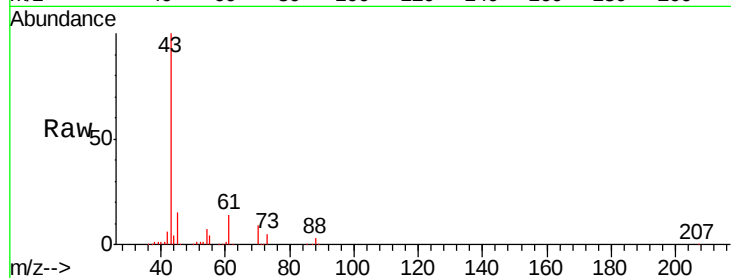
#37
Ethyl Acetate
Concen: 19.987 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.01 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.4
70	9.1	6.9	10.3

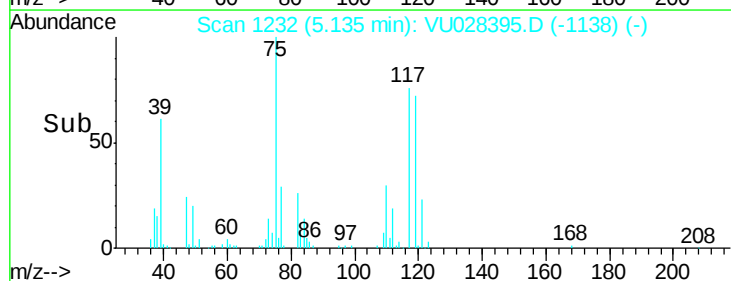
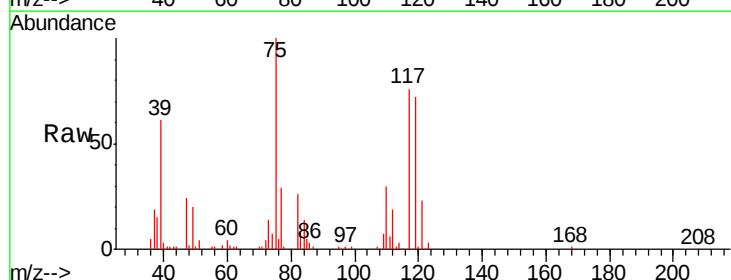
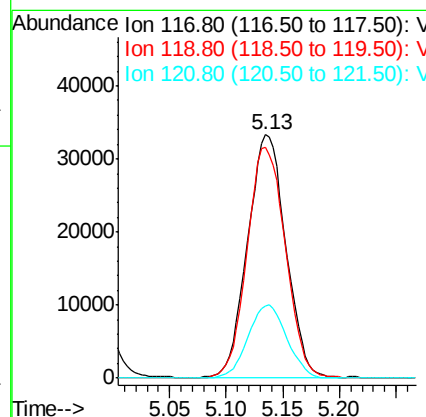
Manual Integrations
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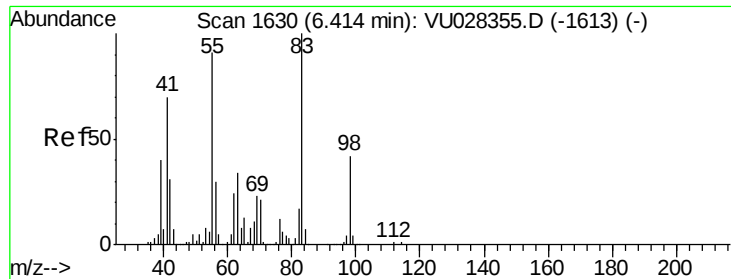
MMDadoda
11/30/2018 11:25:55 AM



#38
Carbon Tetrachloride
Concen: 19.627 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.3	114.5
121	29.8	24.7	37.1





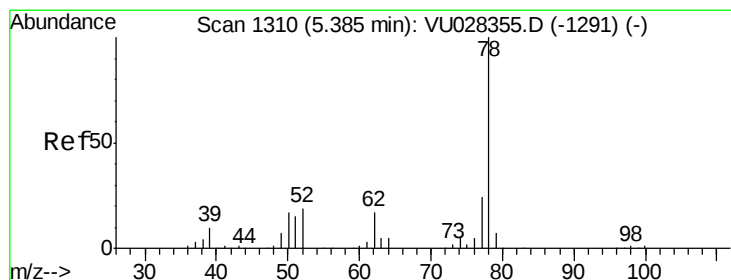
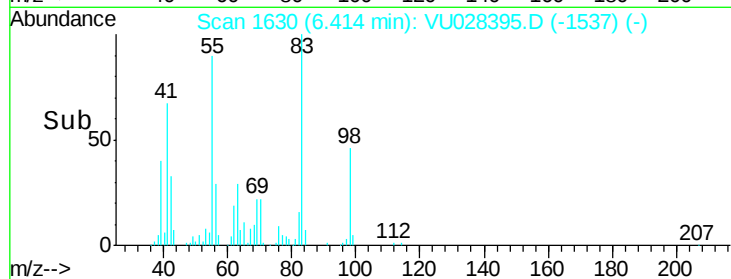
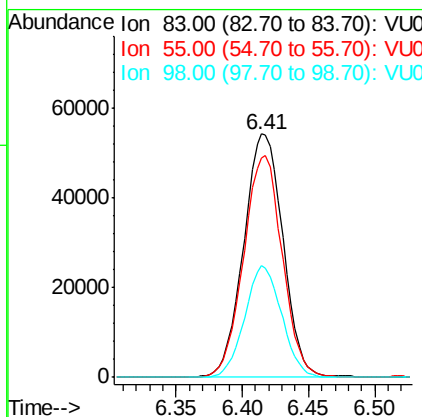
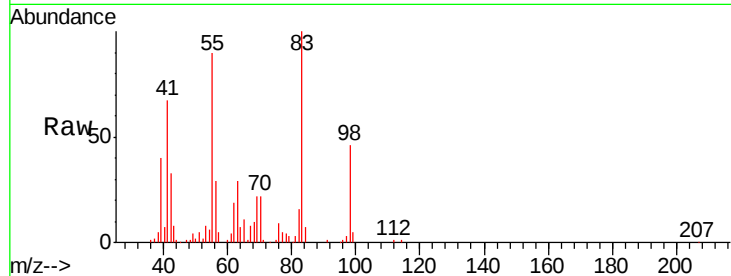
#39
Methylcyclohexane
Concen: 19.491 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.1	73.1	109.7
98	45.8	33.9	50.9

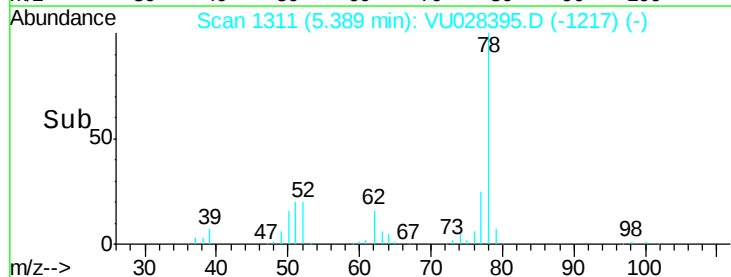
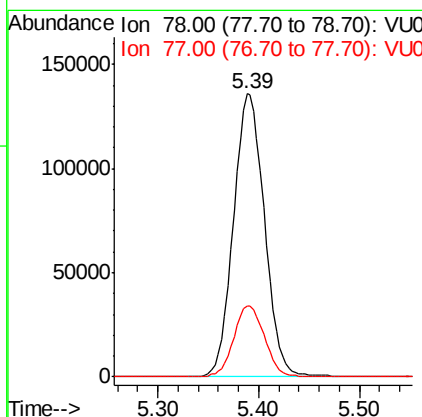
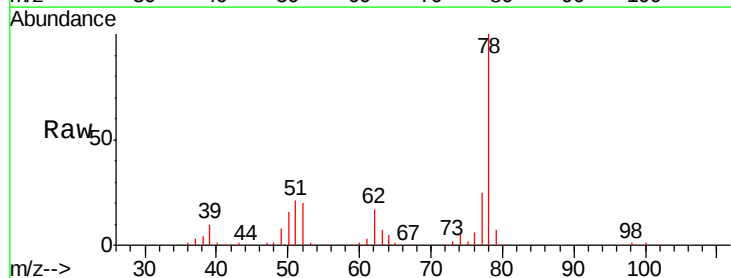
Manual Integrations
APPROVED

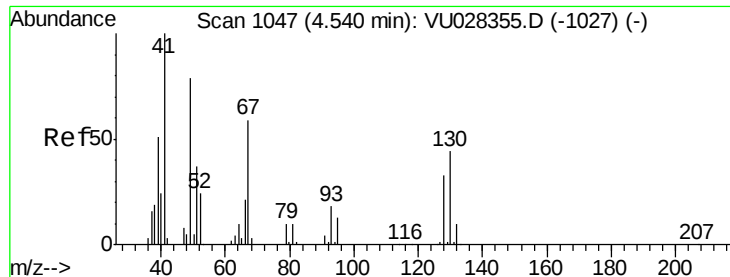
MMDadoda
11/30/2018 11:25:55 AM



#40
Benzene
Concen: 20.110 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.0	28.6





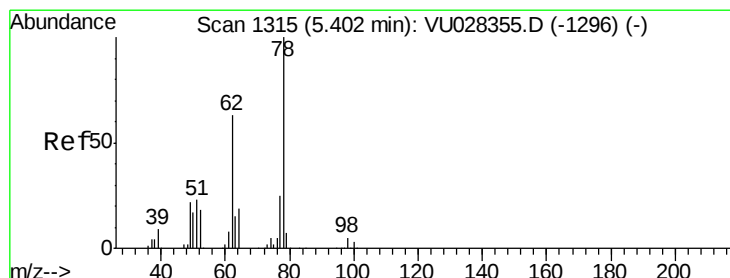
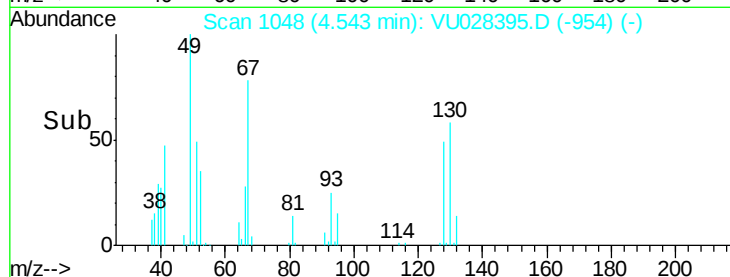
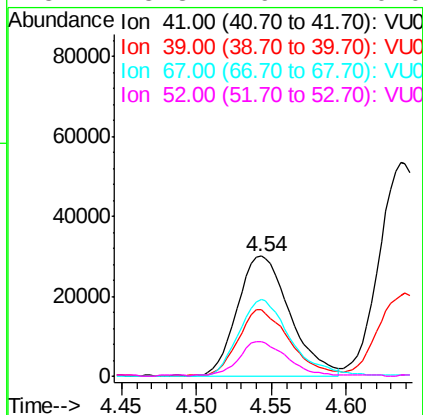
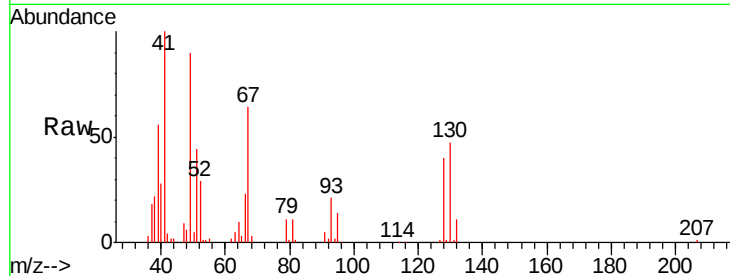
#41
Methacrylonitrile
Concen: 20.022 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.6	41.3	61.9	
67	62.9	48.6	73.0	
52	25.3	19.4	29.0	

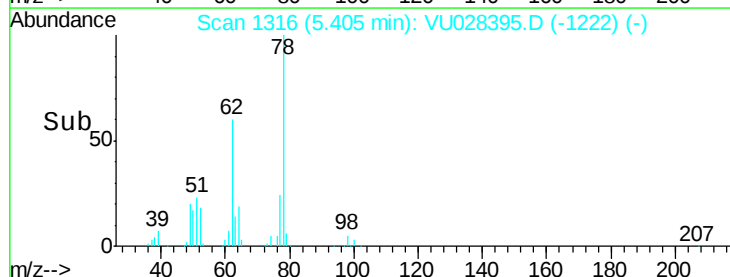
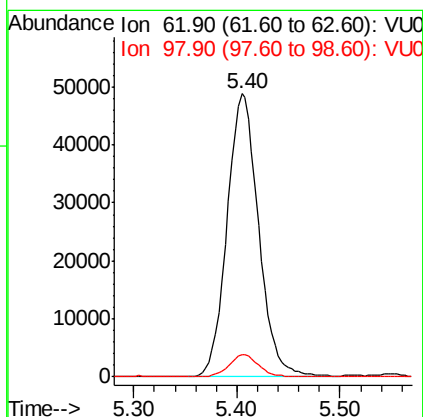
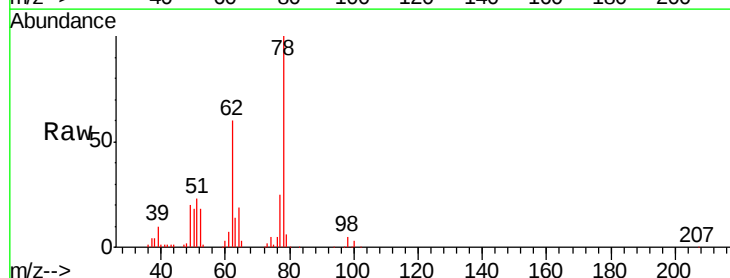
Manual Integrations
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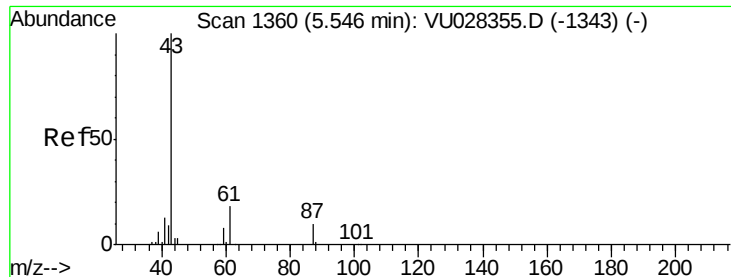
MMDadoda
11/30/2018 11:25:55 AM



#42
1,2-Dichloroethane
Concen: 20.014 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.4	0.0	15.4	





#43

Isopropyl Acetate

Concen: 20.225 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

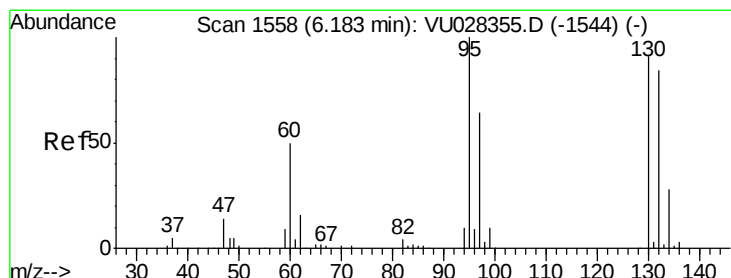
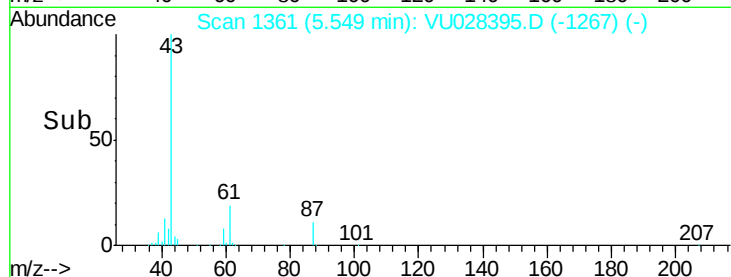
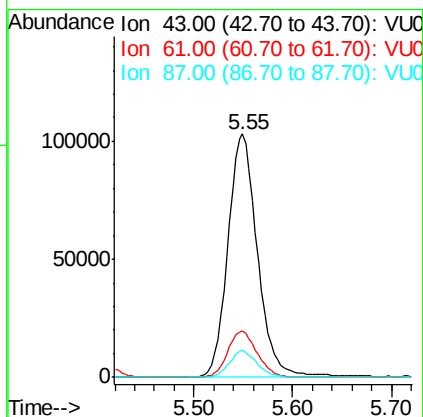
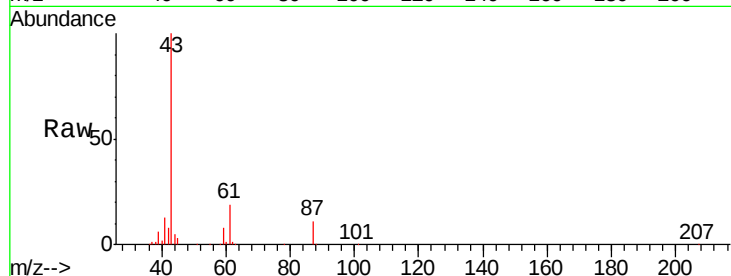
ClientSampleId :

VU1129WBSD01

Tgt Ion:	43	Resp:	213047
Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.5	21.7
87	10.5	8.4	12.6

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#44

Trichloroethene

Concen: 19.584 ug/l

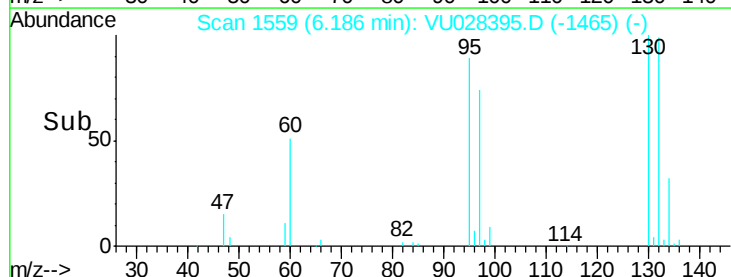
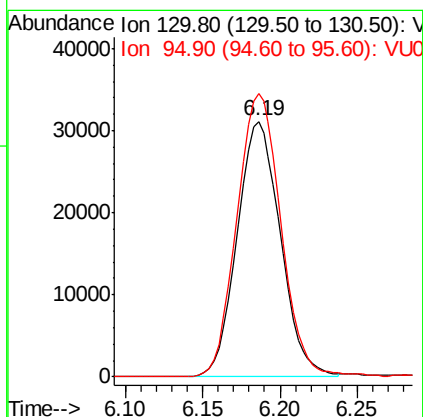
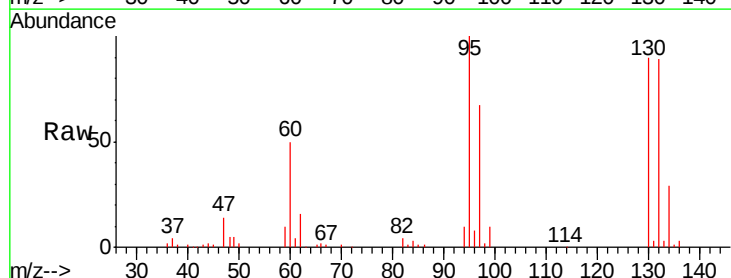
RT: 6.19 min Scan# 1559

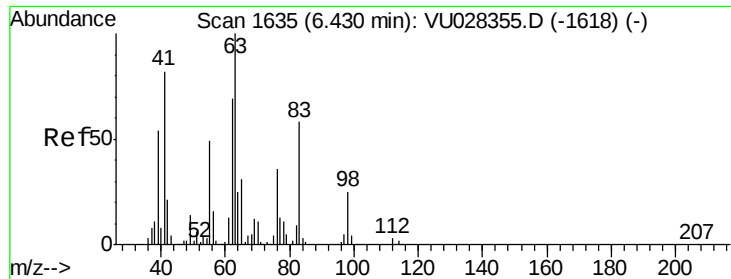
Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Tgt Ion:	130	Resp:	60645
Ion	Ratio	Lower	Upper
130	100		
95	110.8	0.0	219.8





#45

1,2-Dichloropropane

Concen: 19.894 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBSD01

Tgt Ion: 63 Resp: 84163

Ion Ratio Lower Upper

63 100

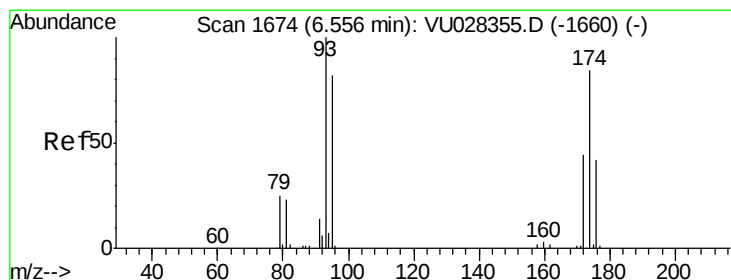
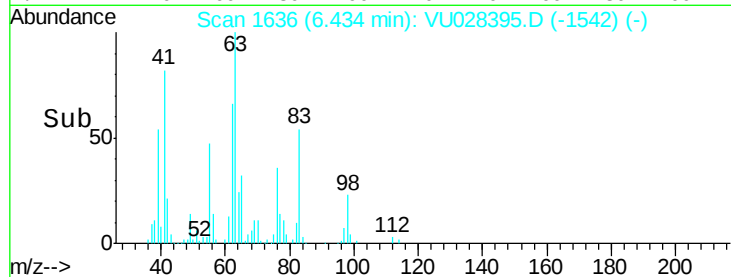
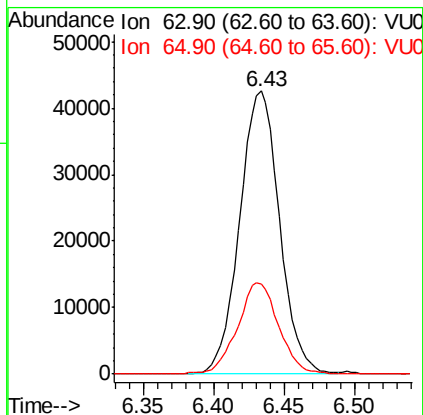
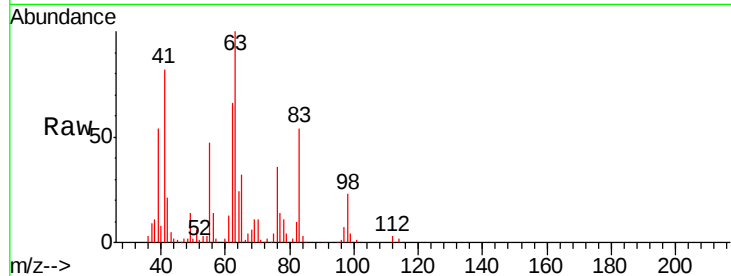
65 31.8 25.1 37.7

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#46

Dibromomethane

Concen: 19.876 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

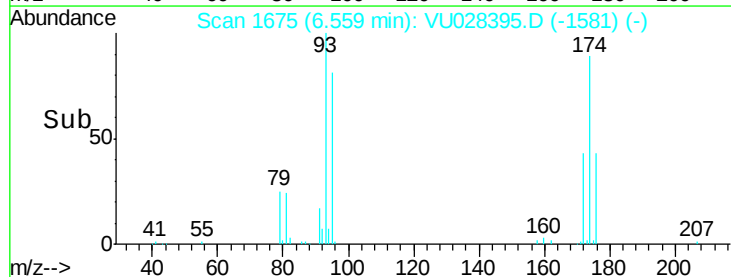
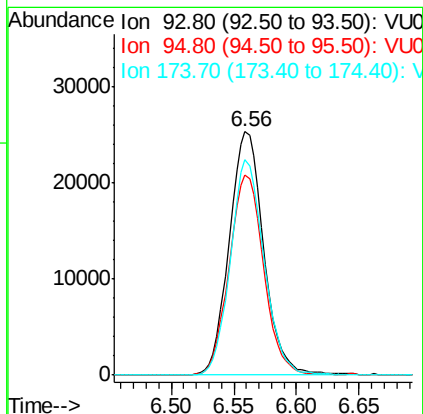
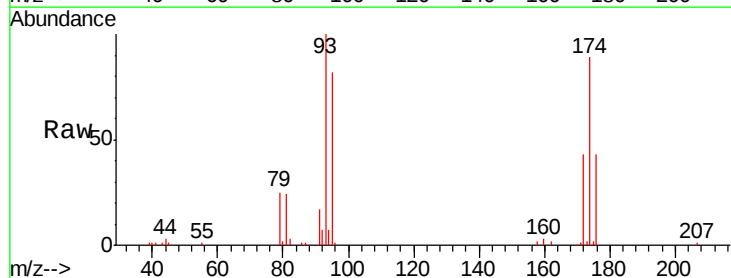
Tgt Ion: 93 Resp: 48301

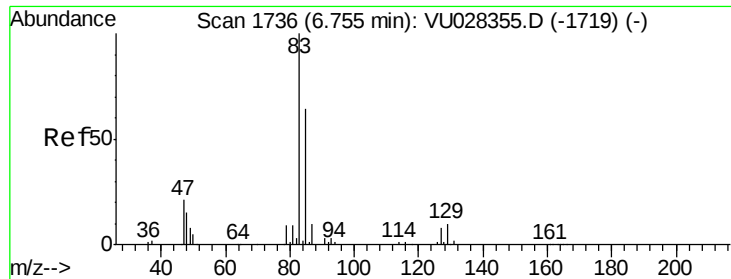
Ion Ratio Lower Upper

93 100

95 82.3 65.1 97.7

174 86.4 69.9 104.9





#47

Bromodichloromethane

Concen: 19.754 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

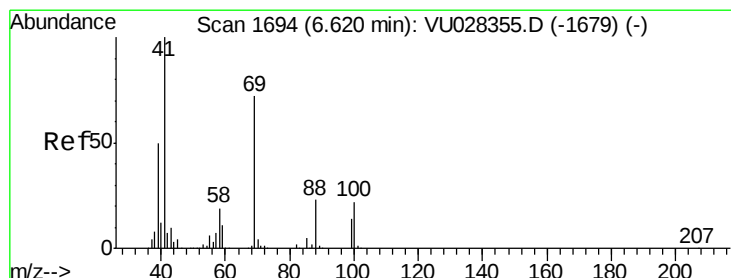
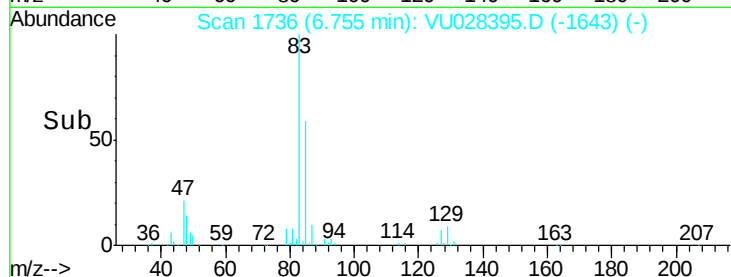
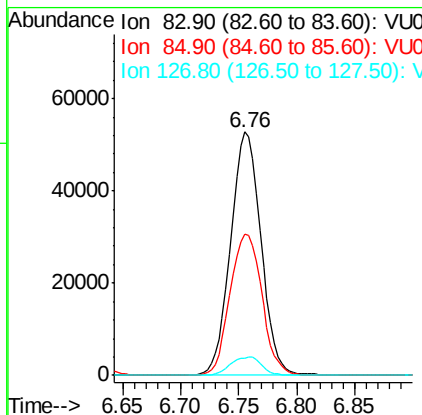
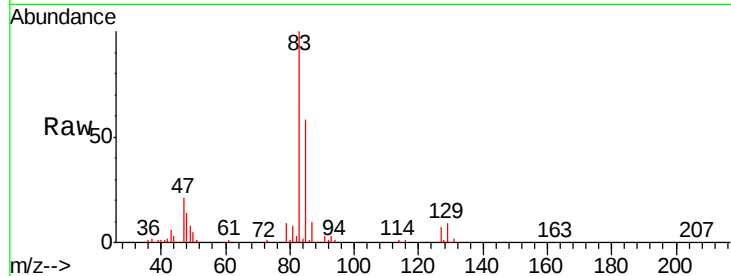
ClientSampleId :

VU1129WBSD01

Tgt Ion:	83	Resp:	95482
Ion	Ratio	Lower	Upper
83	100		
85	58.0	50.9	76.3
127	7.2	6.2	9.4

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#48

Methyl methacrylate

Concen: 19.318 ug/l

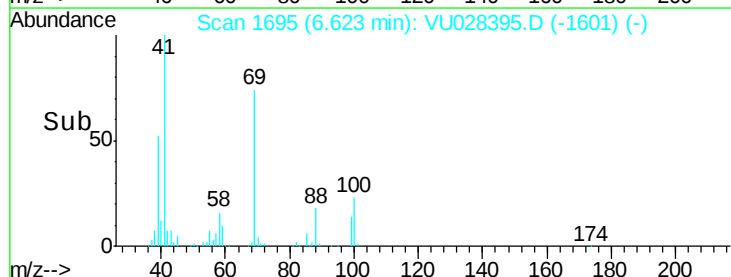
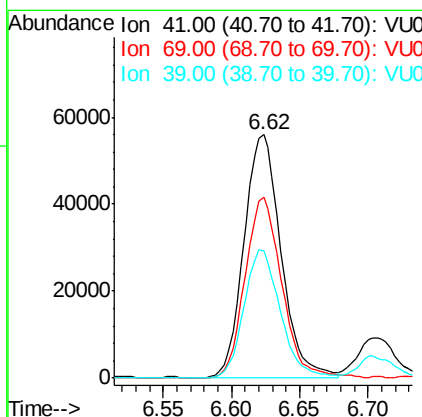
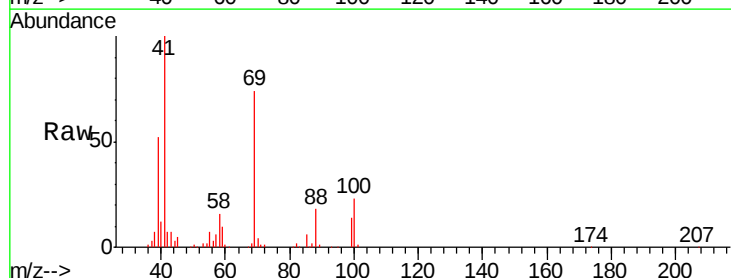
RT: 6.62 min Scan# 1695

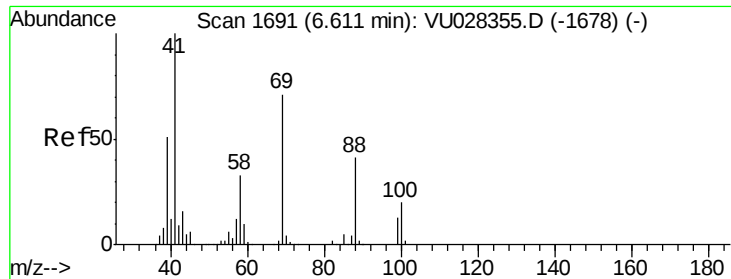
Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Tgt Ion:	41	Resp:	106000
Ion	Ratio	Lower	Upper
41	100		
69	73.5	59.0	88.4
39	51.1	40.5	60.7





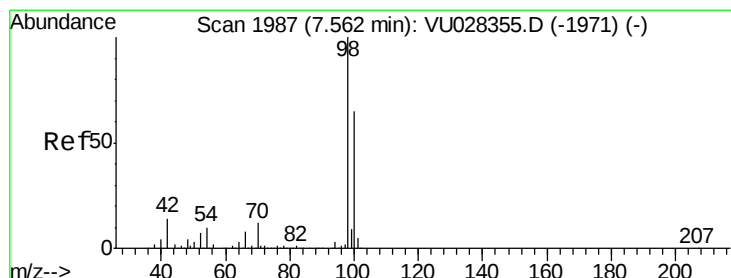
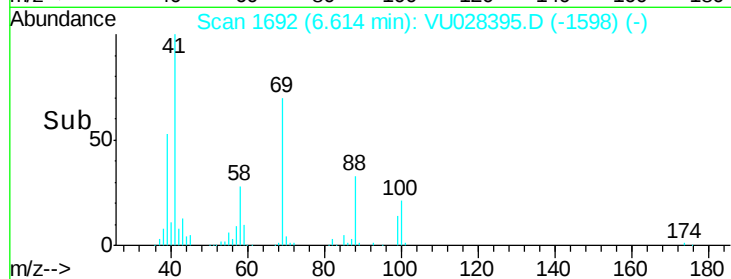
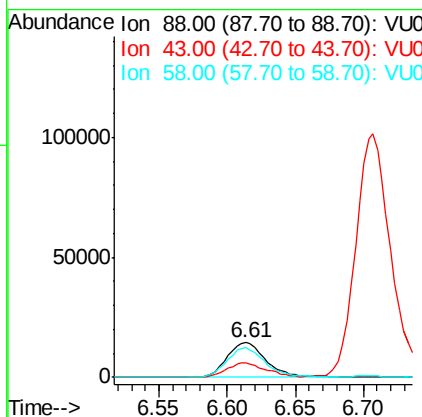
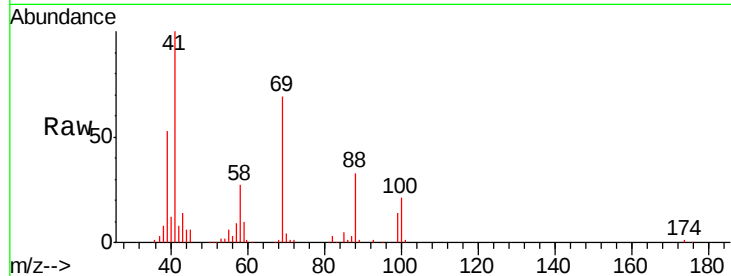
#49
1,4-Dioxane
Concen: 331.216 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion: 88 Resp: 29033
Ion Ratio Lower Upper
88 100
43 39.5 32.6 48.8
58 84.1 68.7 103.1

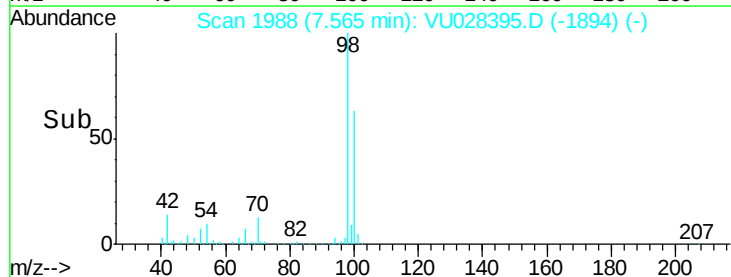
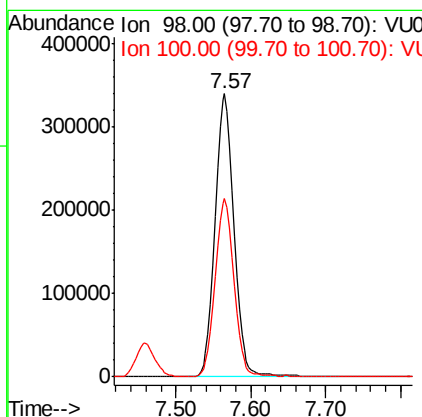
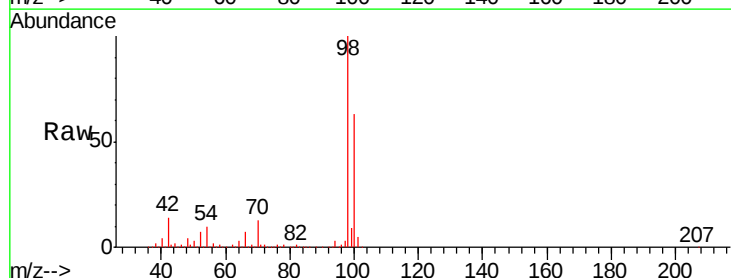
Manual Integrations
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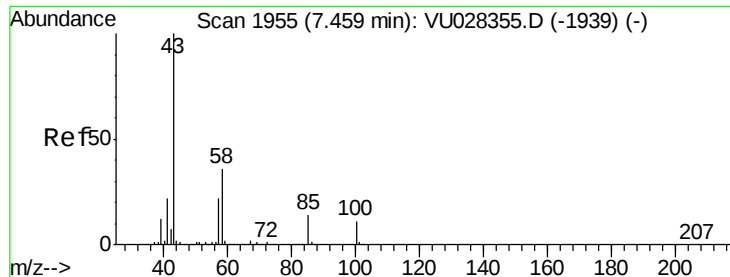
MMDadoda
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#50
Toluene-d8
Concen: 50.759 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion: 98 Resp: 601697
Ion Ratio Lower Upper
98 100
100 61.9 50.8 76.2





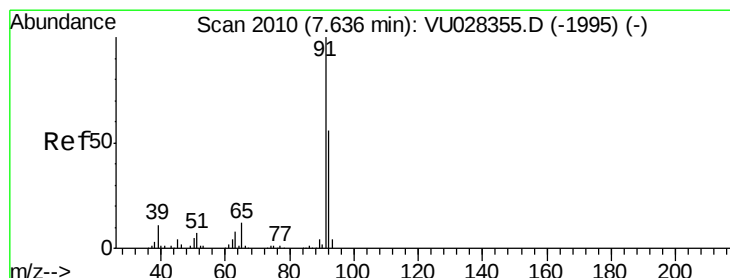
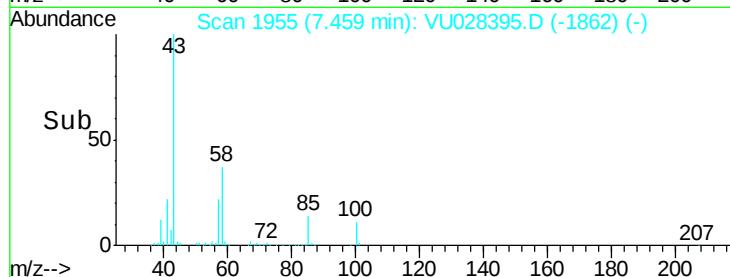
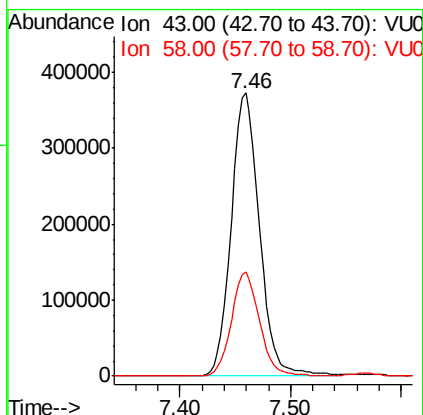
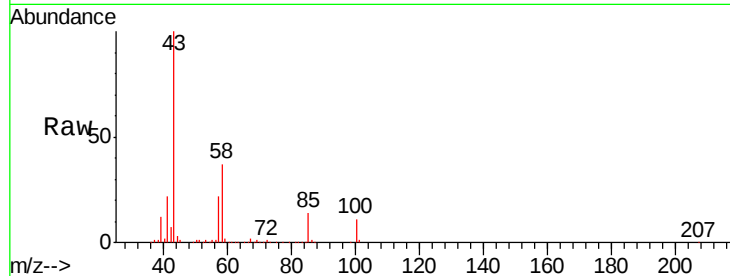
#51
4-Methyl-2-Pentanone
Concen: 98.338 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion: 43 Resp: 661587
Ion Ratio Lower Upper
43 100
58 36.4 28.8 43.2

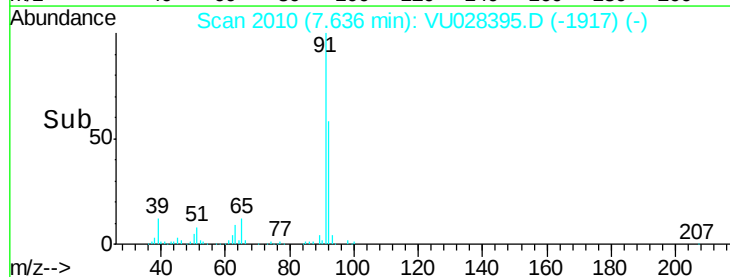
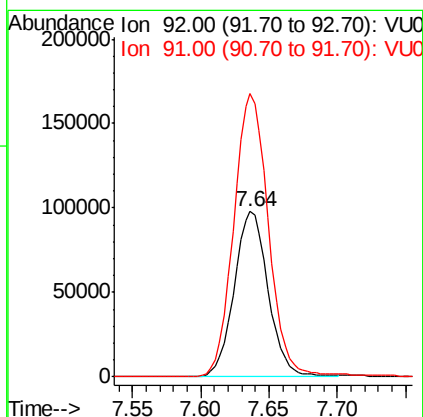
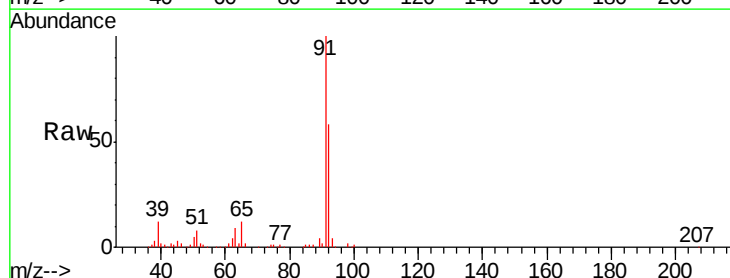
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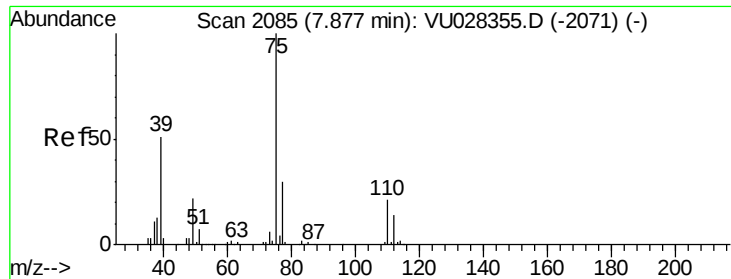
MMDadoda
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#52
Toluene
Concen: 20.377 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion: 92 Resp: 169518
Ion Ratio Lower Upper
92 100
91 175.1 141.8 212.6





#53

t-1,3-Dichloropropene

Concen: 19.147 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBSD01

Tgt Ion: 75 Resp: 110665

Ion Ratio Lower Upper

75 100

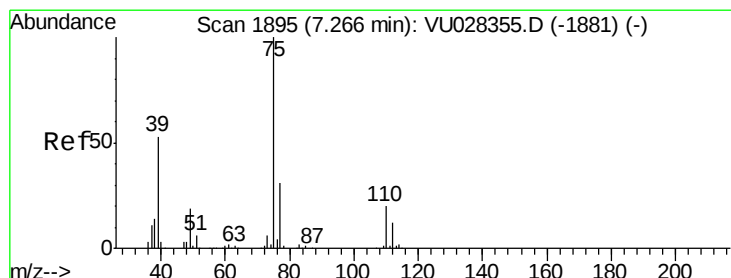
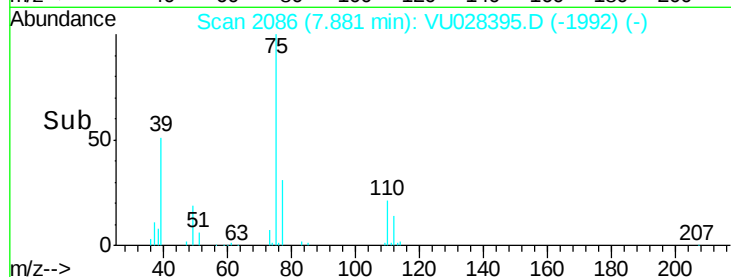
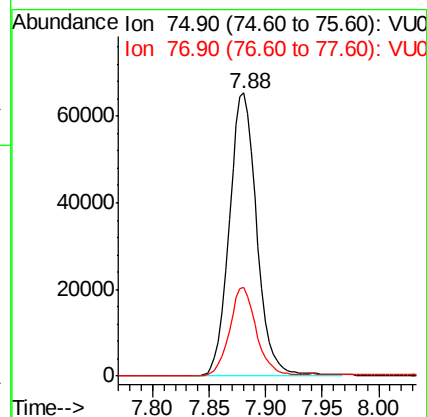
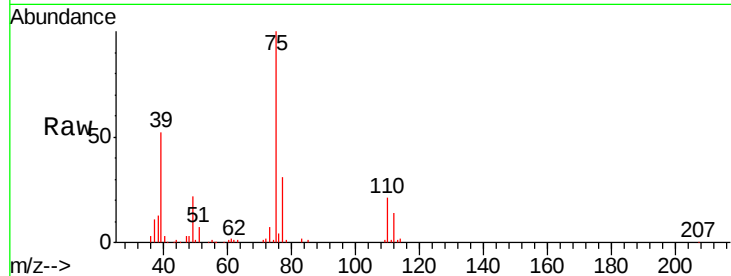
77 31.2 24.1 36.1

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.246 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

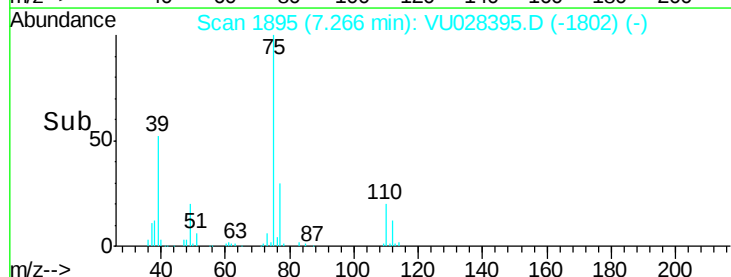
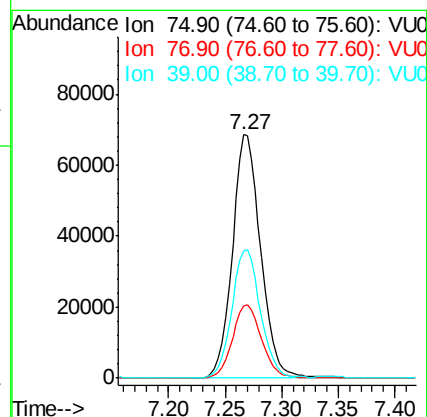
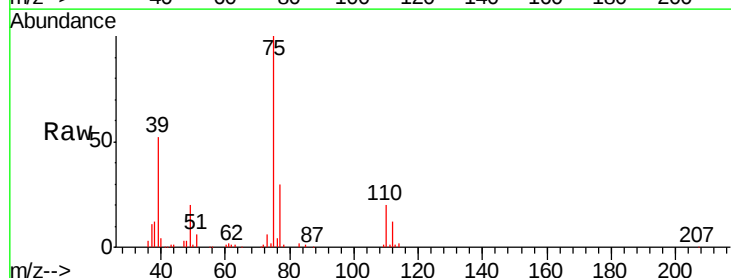
Tgt Ion: 75 Resp: 119168

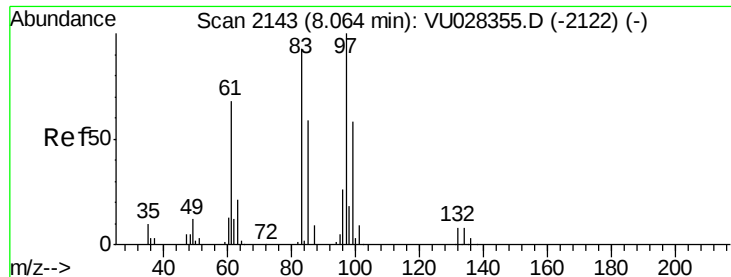
Ion Ratio Lower Upper

75 100

77 29.5 24.9 37.3

39 52.5 42.6 64.0





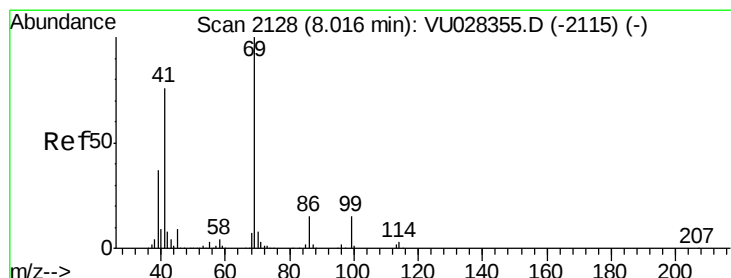
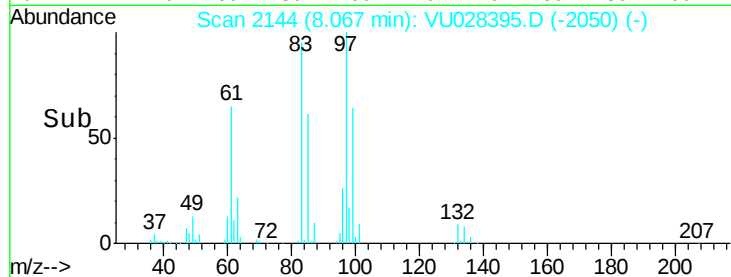
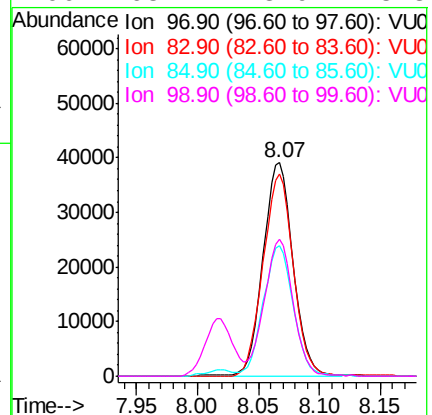
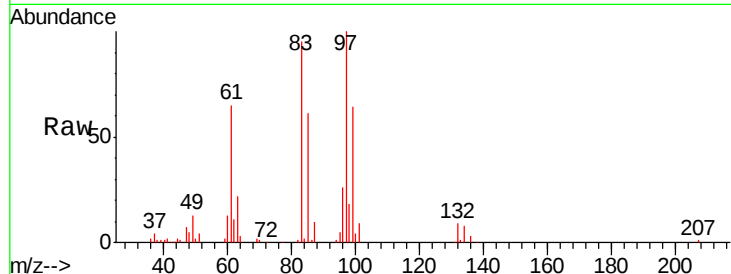
#55
 1,1,2-Trichloroethane
 Concen: 19.288 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	94.9	74.3	111.5
85	60.5	47.2	70.8
99	63.7	48.9	73.3

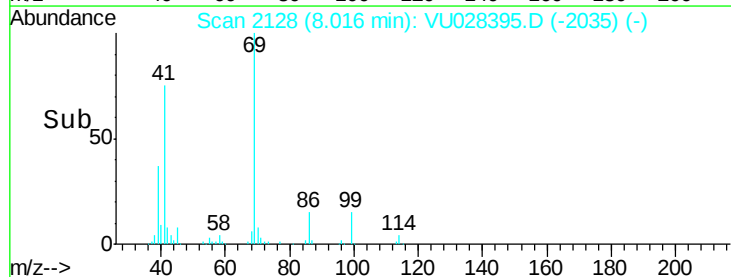
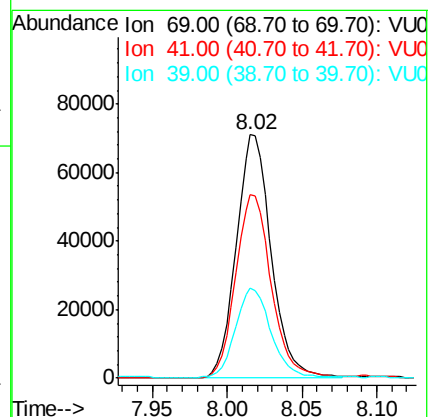
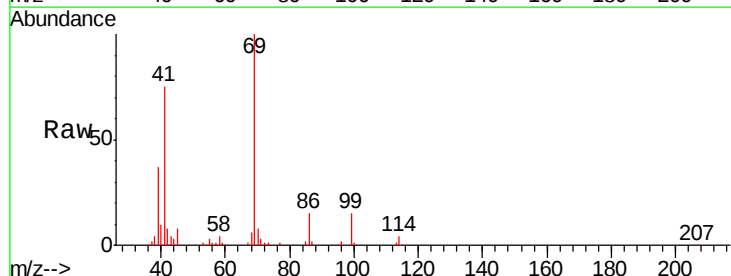
Manual Integrations
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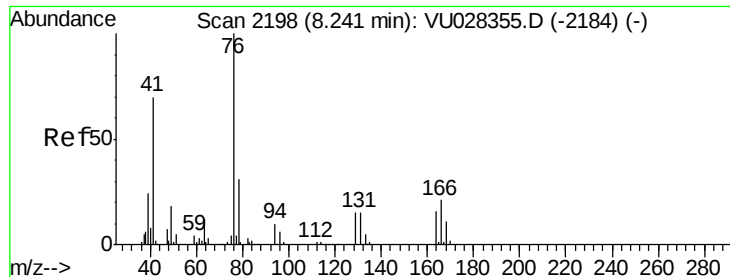
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 11/30/2018 11:25:55 AM



#56
 Ethyl methacrylate
 Concen: 19.672 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.7	60.0	90.0
39	37.2	29.0	43.6





#57

1,3-Dichloropropane

Concen: 19.902 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBSD01

Tgt Ion: 76 Resp: 126365

Ion Ratio Lower Upper

76 100

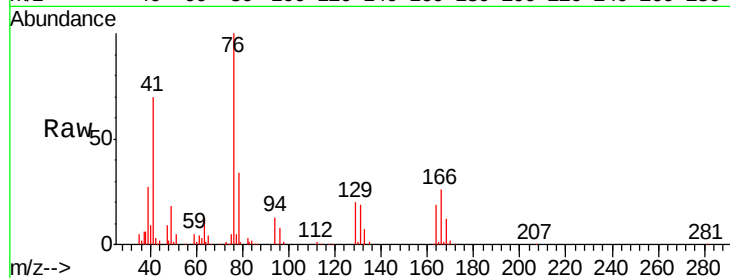
78 32.2 25.4 38.0

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

80000

60000

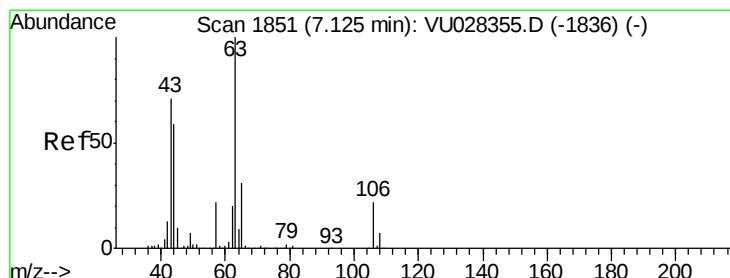
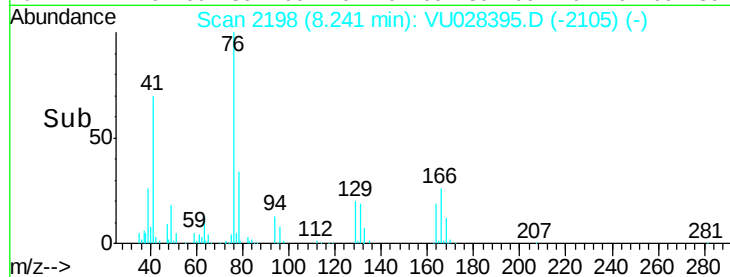
40000

20000

0

8.20 8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 94.573 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028395.D

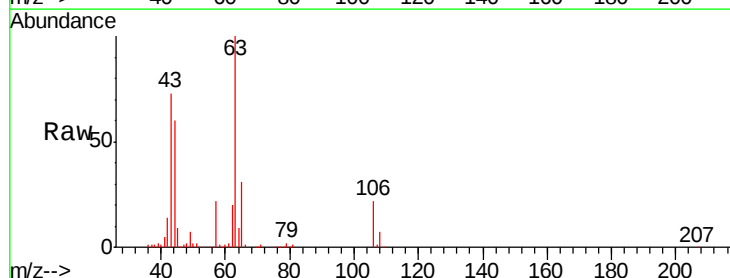
Acq: 29 Nov 2018 15:47

Tgt Ion: 63 Resp: 299071

Ion Ratio Lower Upper

63 100

106 21.4 17.3 25.9



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

200000

150000

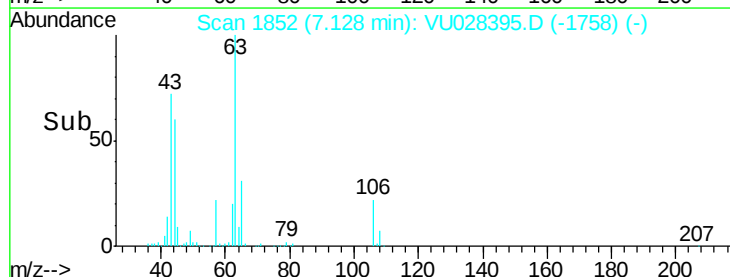
100000

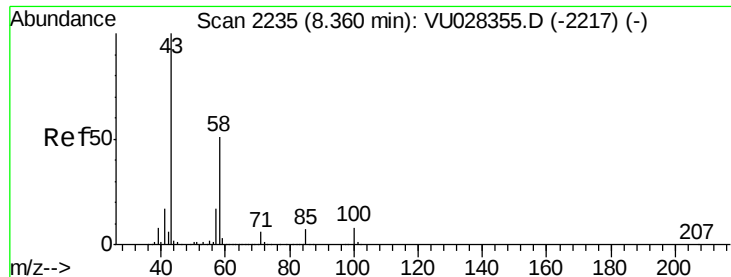
50000

0

7.00 7.10 7.20

Time-->





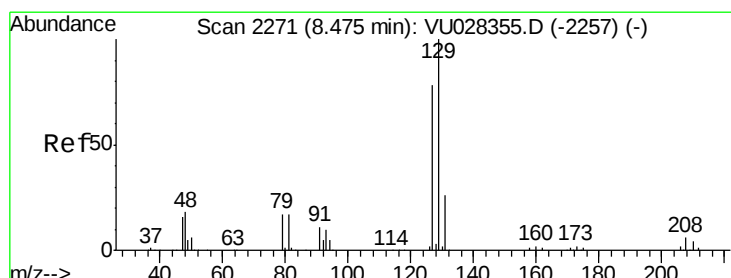
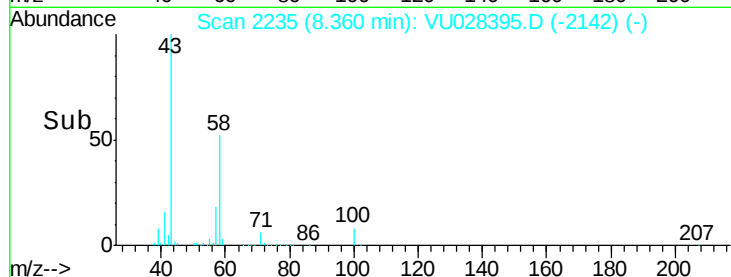
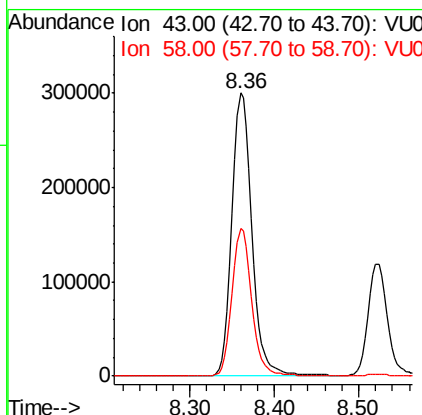
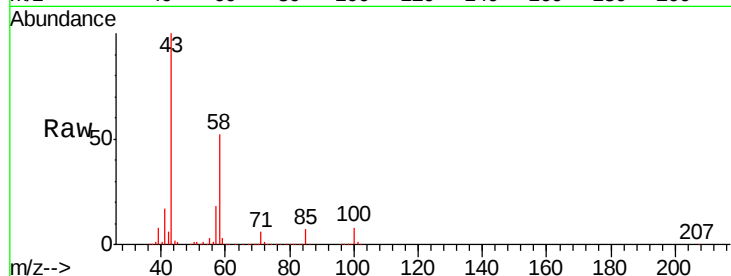
#59
2-Hexanone
Concen: 95.573 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion: 43 Resp: 498056
Ion Ratio Lower Upper
43 100
58 51.4 25.5 76.5

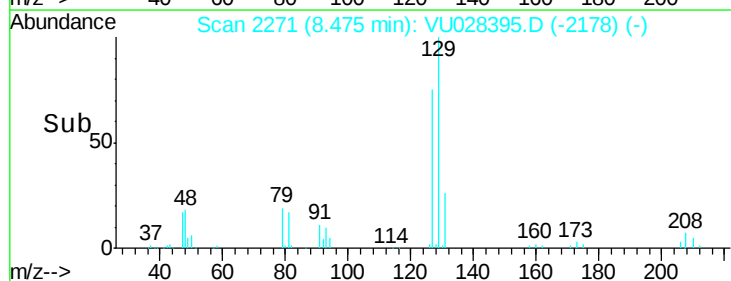
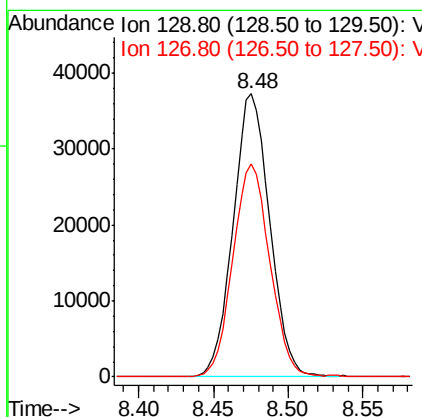
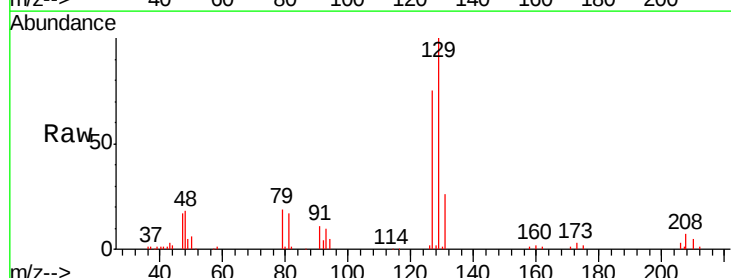
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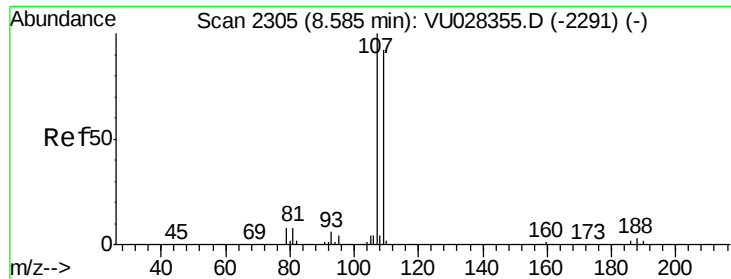
MMDadoda
11/30/2018 11:25:55 AM



#60
Dibromochloromethane
Concen: 19.320 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion: 129 Resp: 63617
Ion Ratio Lower Upper
129 100
127 75.7 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.198 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBSD01

Tgt Ion: 107 Resp: 71625

Ion Ratio Lower Upper

107 100

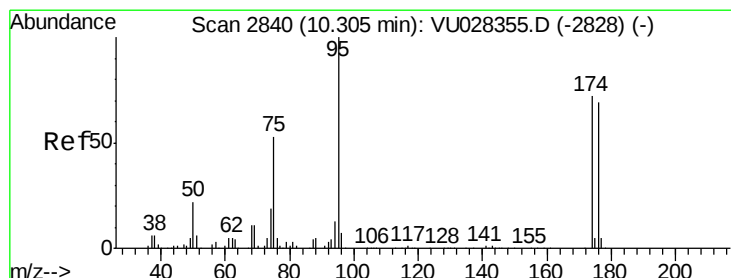
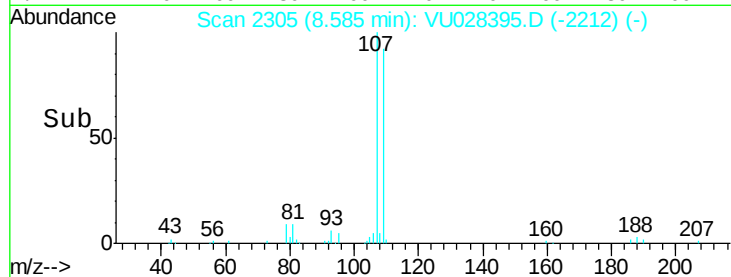
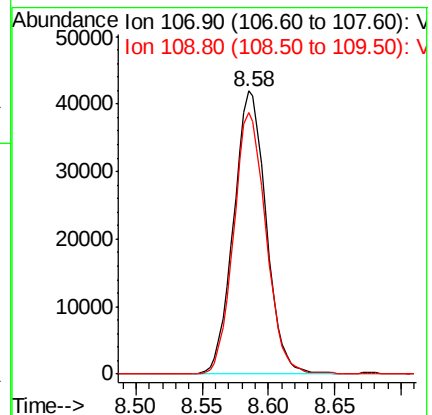
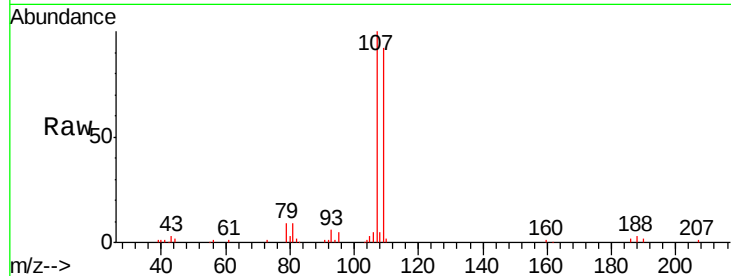
109 91.7 73.2 109.8

Manual Integrations

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11/30/2018 11:25:55 AM



#62

4-Bromofluorobenzene

Concen: 52.015 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

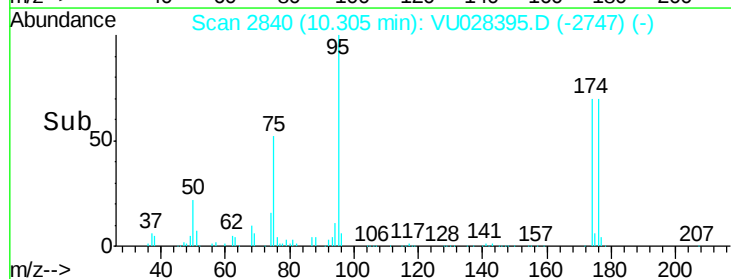
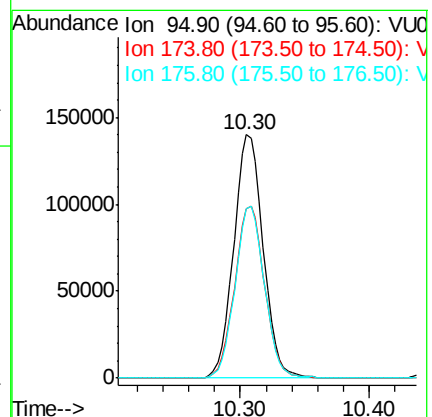
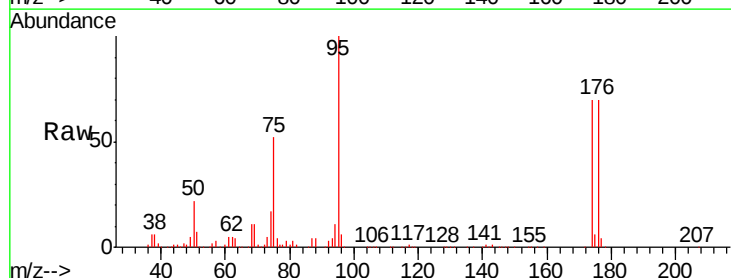
Tgt Ion: 95 Resp: 222236

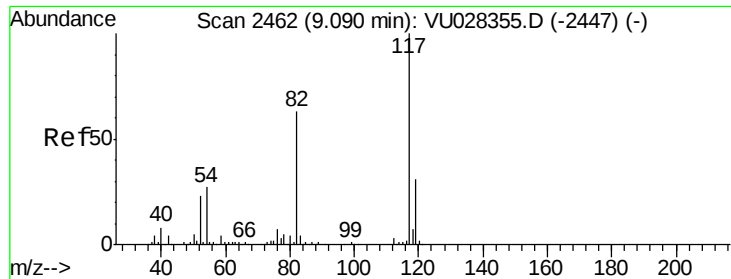
Ion Ratio Lower Upper

95 100

174 71.7 0.0 145.4

176 70.4 0.0 140.8





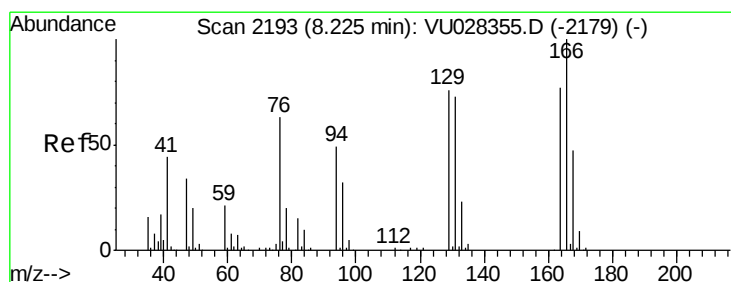
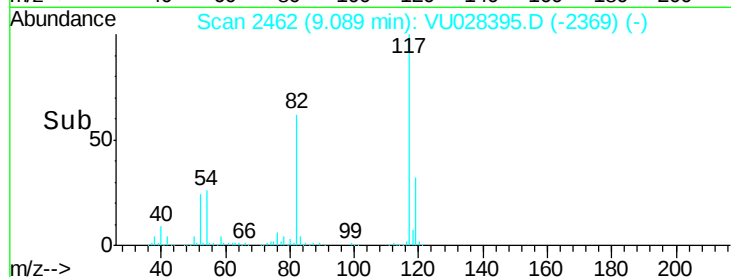
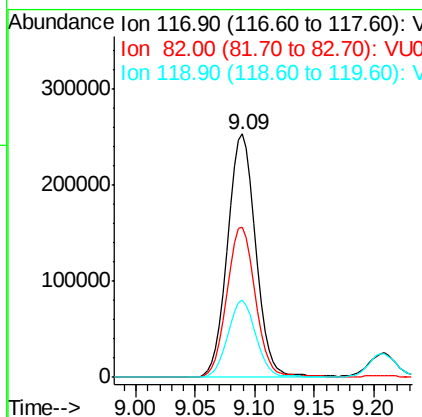
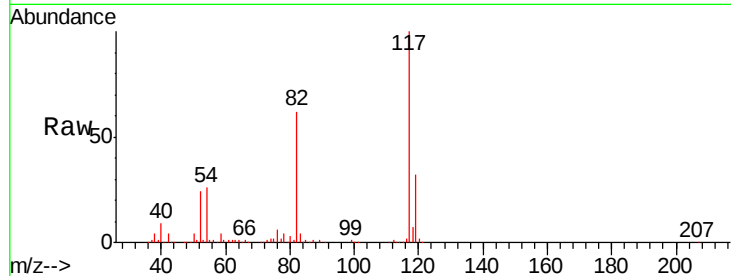
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	418312		
82	61.8	50.3	75.5	
119	31.7	24.8	37.2	

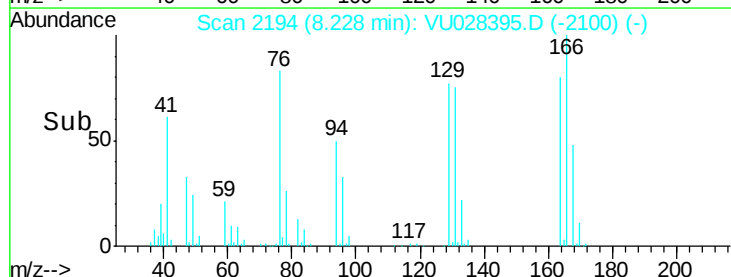
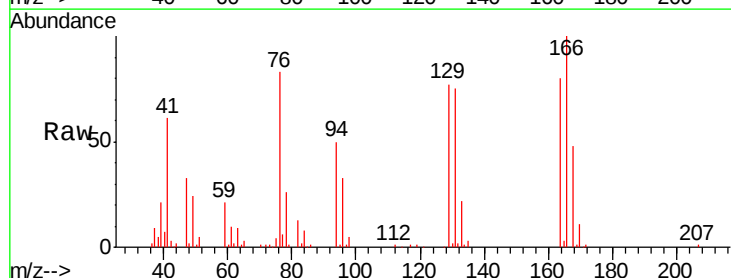
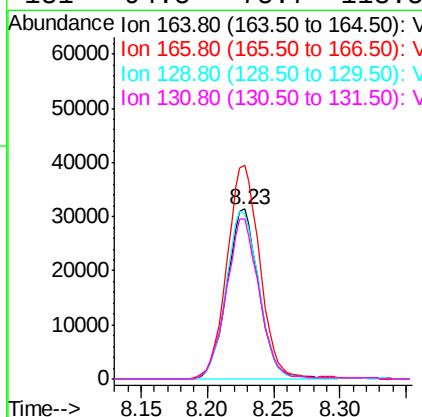
Manual Integrations
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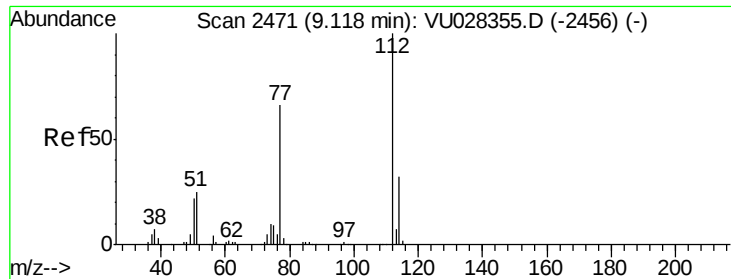
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11/30/2018 11:25:55 AM



#64
Tetrachloroethene
Concen: 19.238 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	52936		
166	125.7	104.0	156.0	
129	97.3	79.2	118.8	
131	94.5	75.7	113.5	





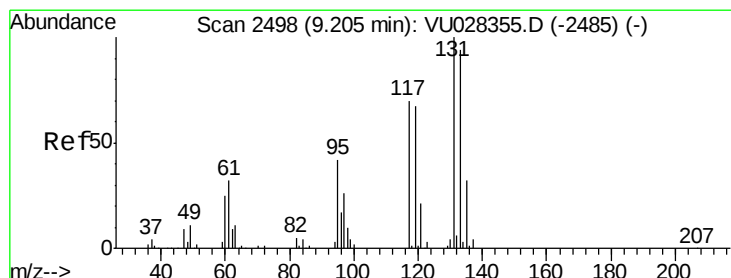
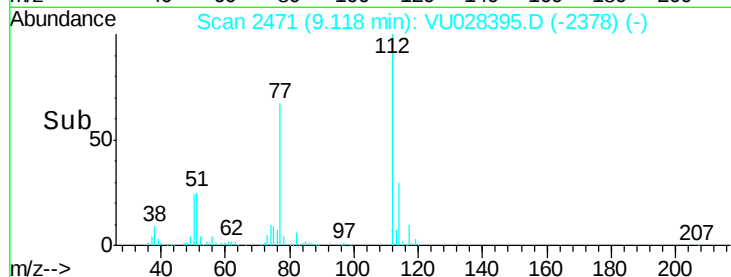
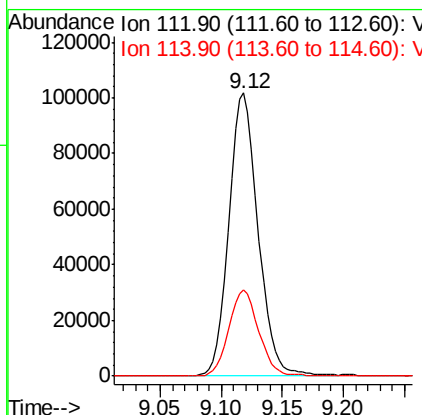
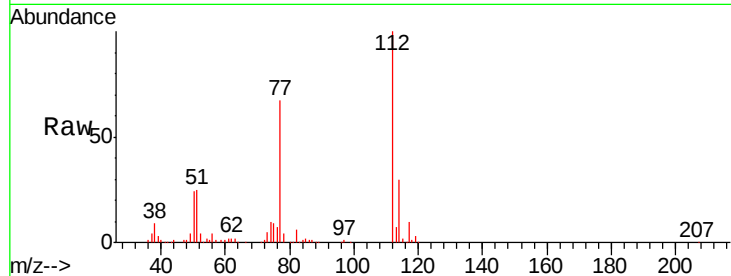
#65
Chlorobenzene
Concen: 19.614 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion:112 Resp: 170370
Ion Ratio Lower Upper
112 100
114 30.4 25.7 38.5

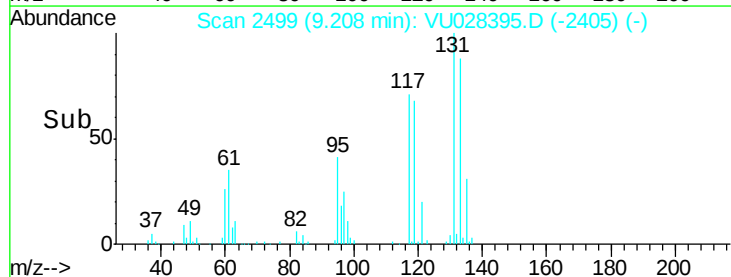
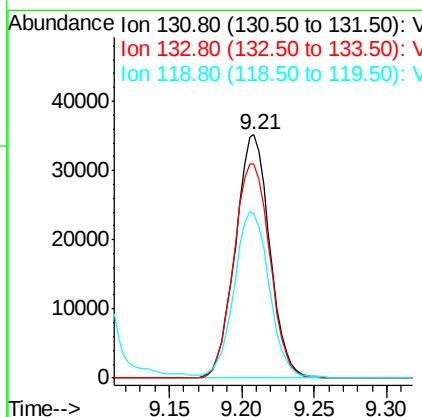
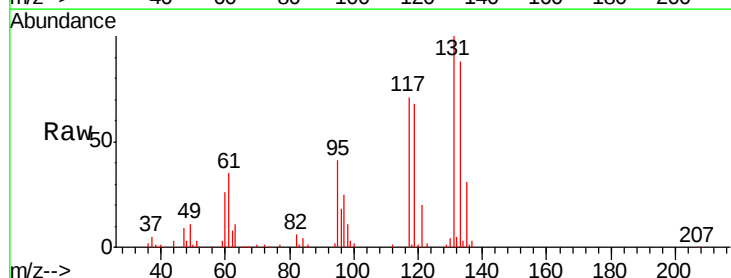
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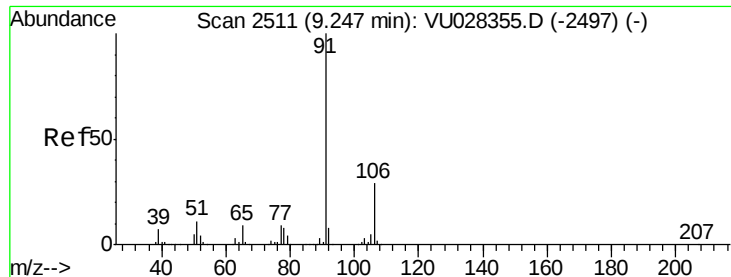
MMDadoda
11/30/2018 11:25:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.462 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion:131 Resp: 57943
Ion Ratio Lower Upper
131 100
133 92.5 47.3 141.8
119 70.3 34.1 102.2





#67

Ethyl Benzene

Concen: 19.643 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBSD01

Tgt Ion: 91 Resp: 321343

Ion Ratio Lower Upper

91 100

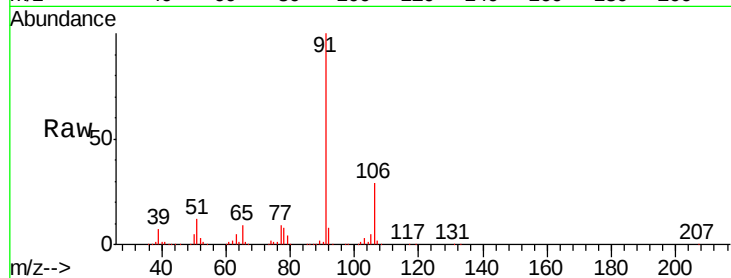
106 29.2 23.3 34.9

Manual Integrations

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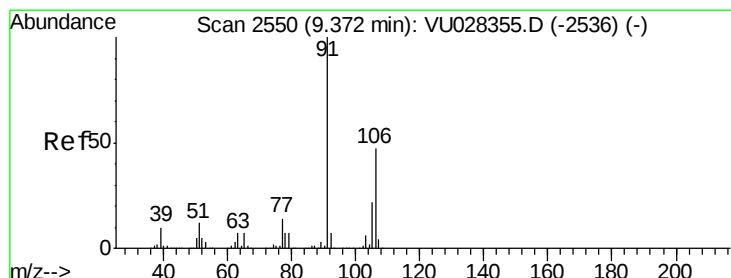
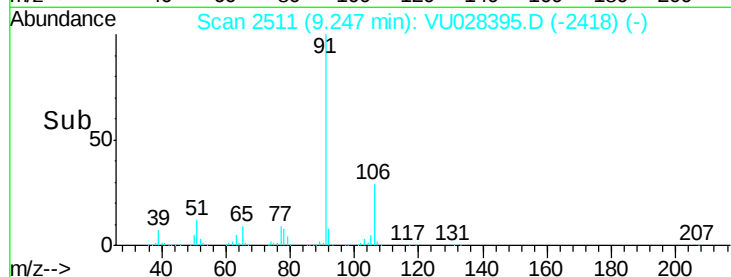
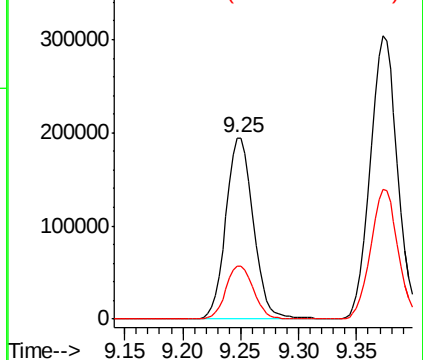
MMDadoda

11/30/2018 11:25:55 AM



Abundance Ion 91.00 (90.70 to 91.70): VU028395.D (-2418) (-)

Ion 106.00 (105.70 to 106.70): VU028395.D (-2418) (-)



#68

m/p-Xylenes

Concen: 39.006 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028395.D

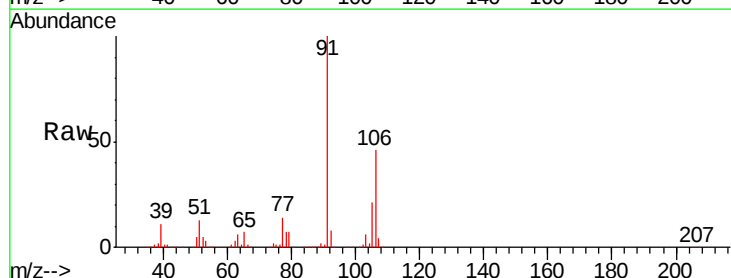
Acq: 29 Nov 2018 15:47

Tgt Ion: 106 Resp: 229676

Ion Ratio Lower Upper

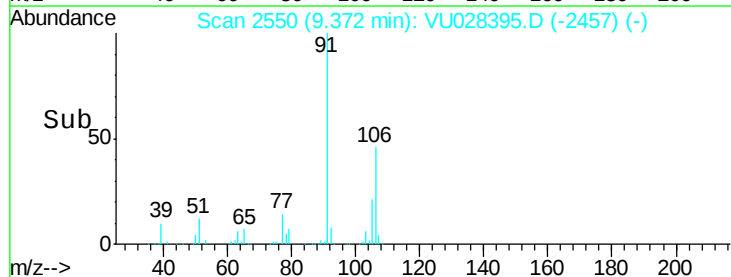
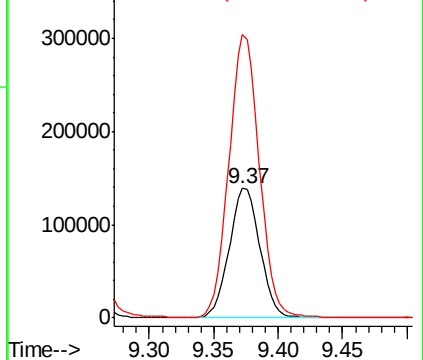
106 100

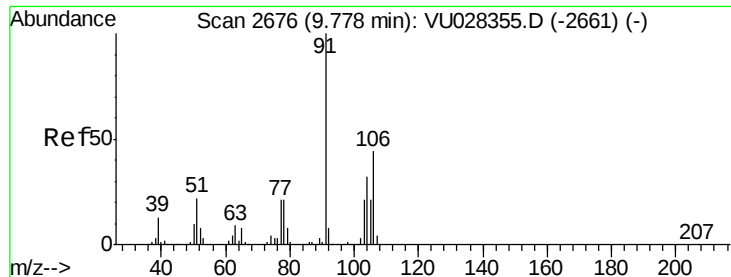
91 217.3 171.0 256.6



Abundance Ion 106.00 (105.70 to 106.70): VU028395.D (-2457) (-)

Ion 91.00 (90.70 to 91.70): VU028395.D (-2457) (-)





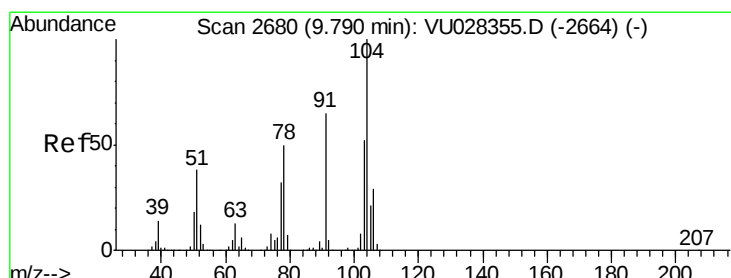
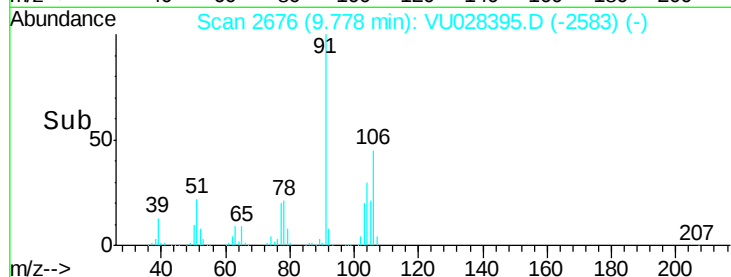
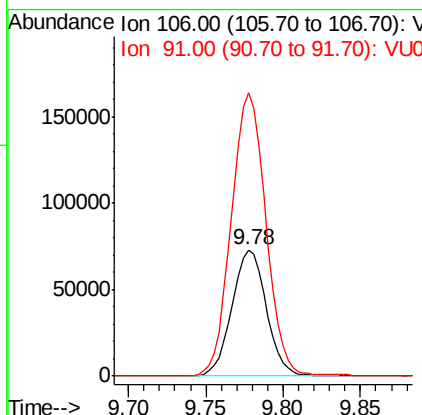
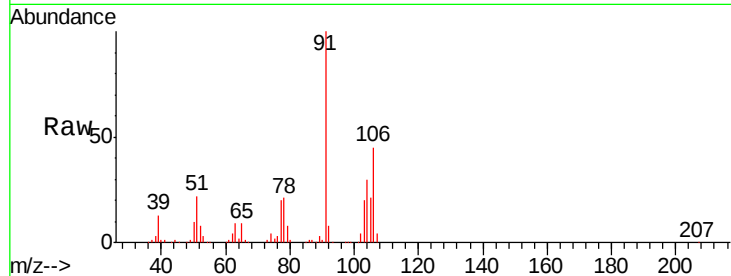
#69
o-Xylene
Concen: 19.181 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion:106 Resp: 112274
Ion Ratio Lower Upper
106 100
91 226.3 112.7 338.0

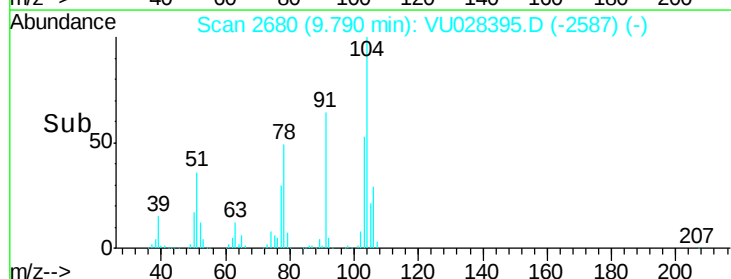
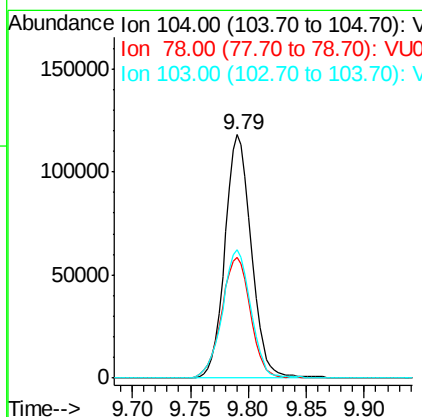
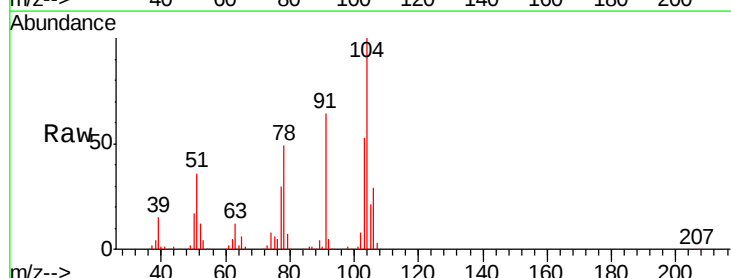
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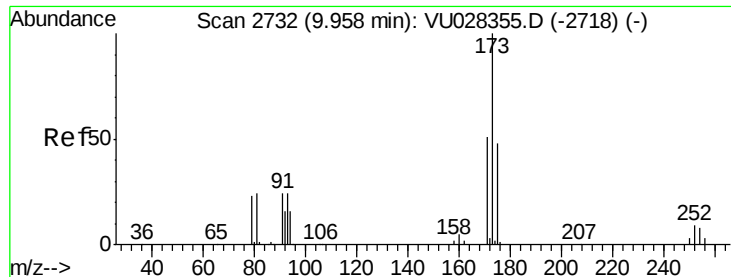
MMDadoda
11/30/2018 11:25:55 AM



#70
Styrene
Concen: 19.794 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion:104 Resp: 186861
Ion Ratio Lower Upper
104 100
78 54.1 43.3 64.9
103 57.0 44.8 67.2





#71

Bromoform

Concen: 18.220 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

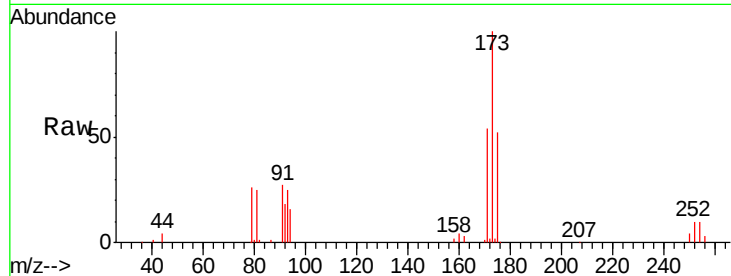
ClientSampleId :

VU1129WBSD01

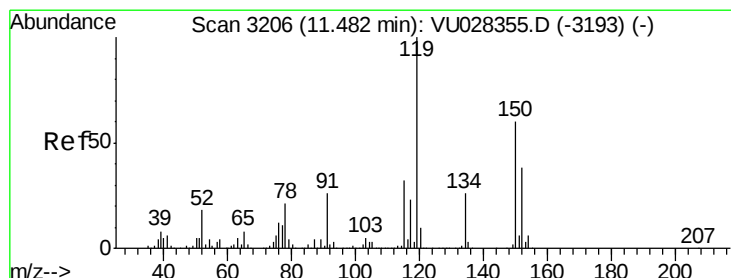
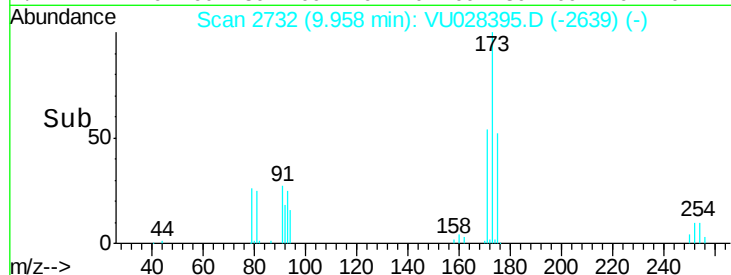
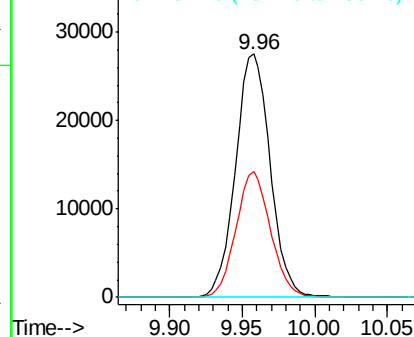
Tgt Ion:	173	Resp:	45597
Ion Ratio	Lower	Upper	
173	100		
175	51.5	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

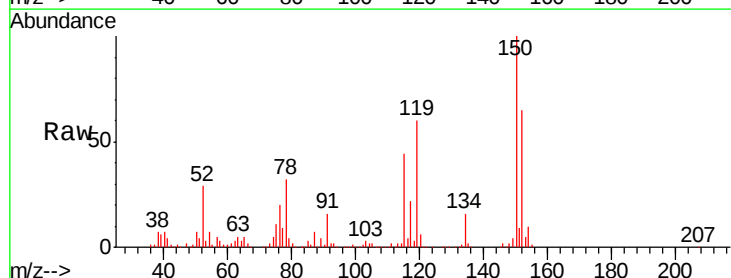
RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

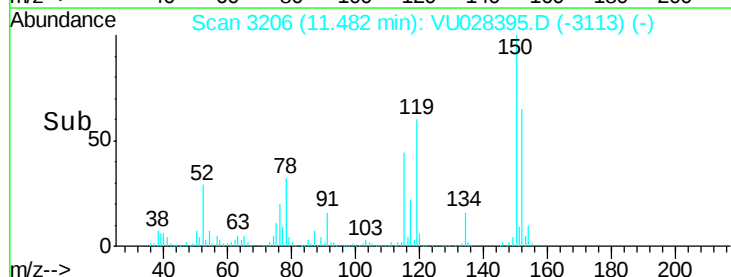
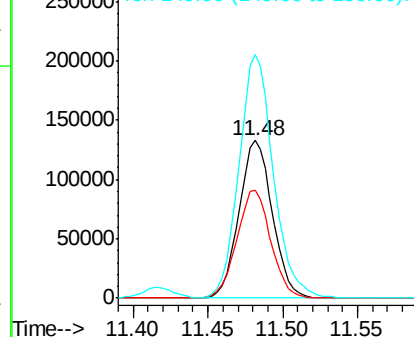
Lab File: VU028395.D

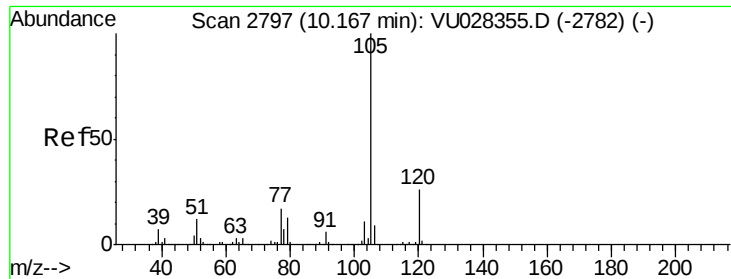
Acq: 29 Nov 2018 15:47

Tgt Ion:	152	Resp:	205446
Ion Ratio	Lower	Upper	
152	100		
115	69.6	45.0	134.8
150	160.0	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.958 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBSD01

Tgt Ion: 105 Resp: 302928

Ion Ratio Lower Upper

105 100

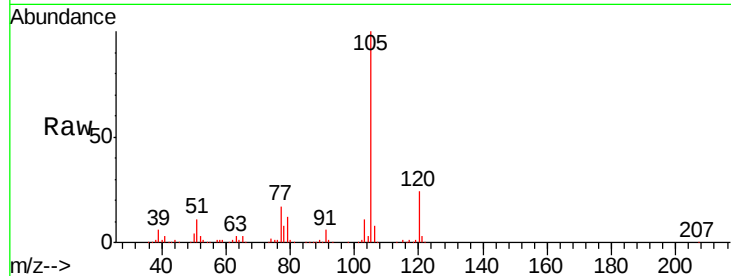
120 24.7 12.8 38.3

Manual Integrations

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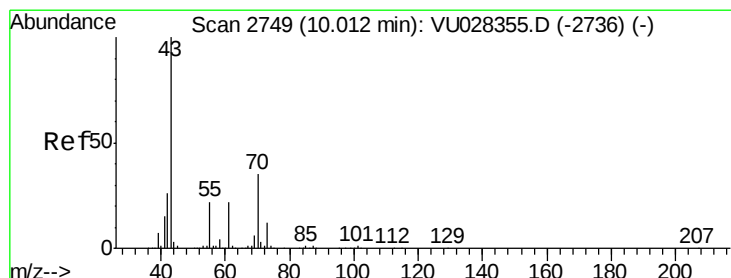
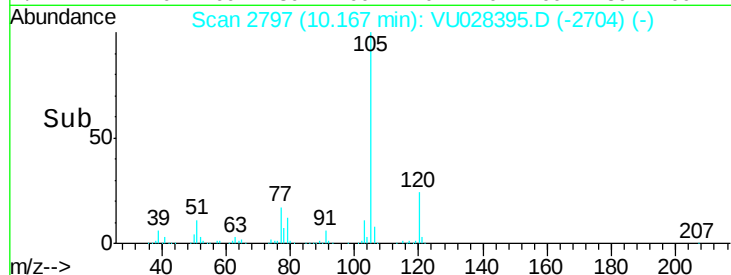
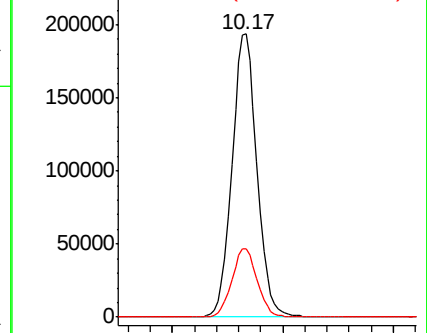
MMDadoda

11/30/2018 11:25:55 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.868 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Tgt Ion: 43 Resp: 178885

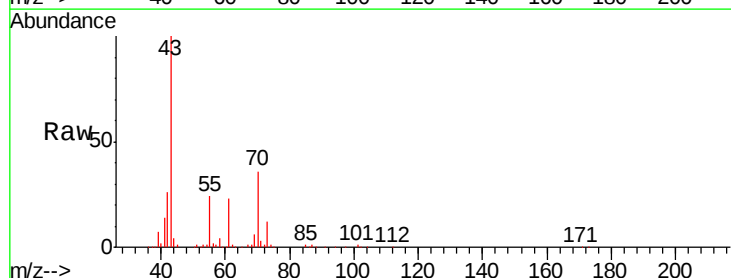
Ion Ratio Lower Upper

43 100

70 36.6 28.4 42.6

55 23.5 18.0 27.0

61 22.6 17.6 26.4

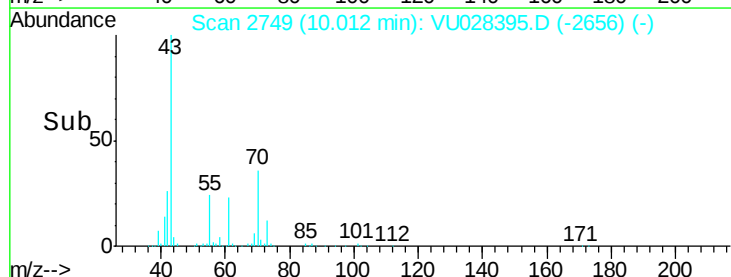
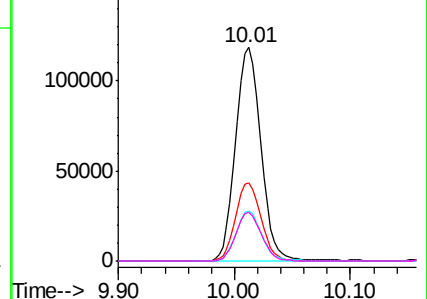


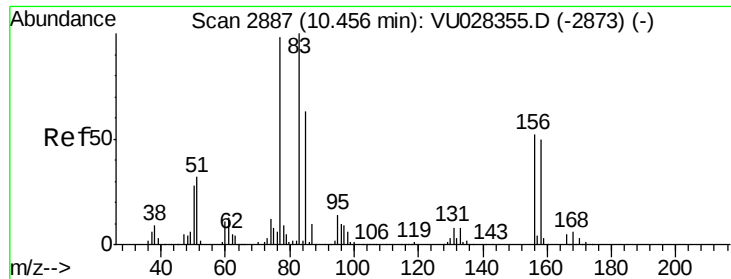
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 18.237 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

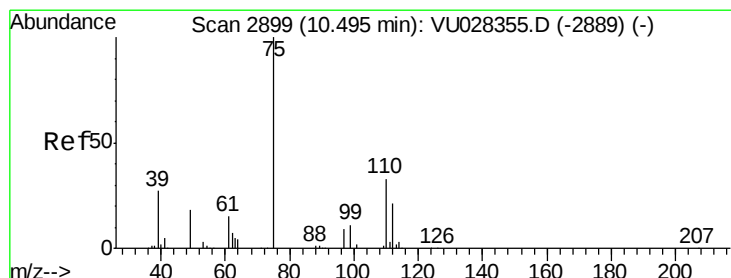
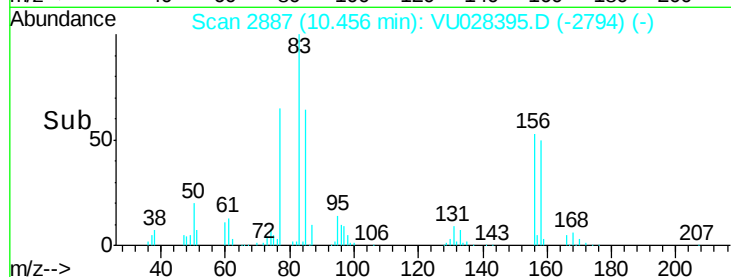
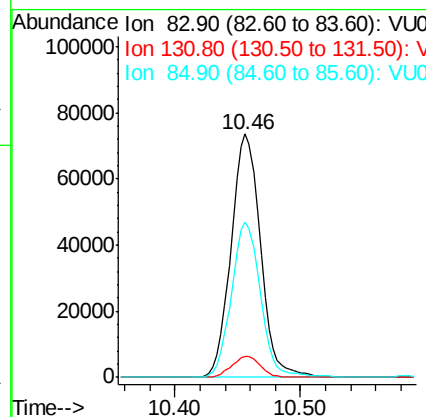
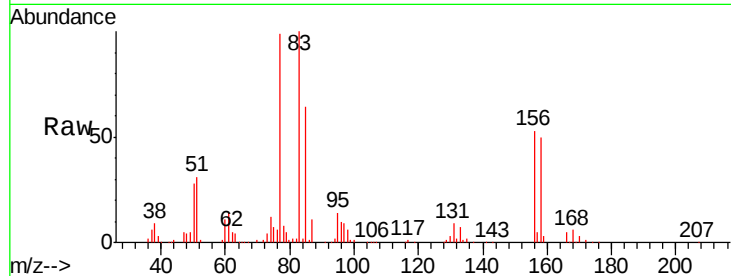
ClientSampleId :

VU1129WBSD01

Tgt Ion:	83	Resp:	119834
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.0	12.2
85	63.1	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.358 ug/l m

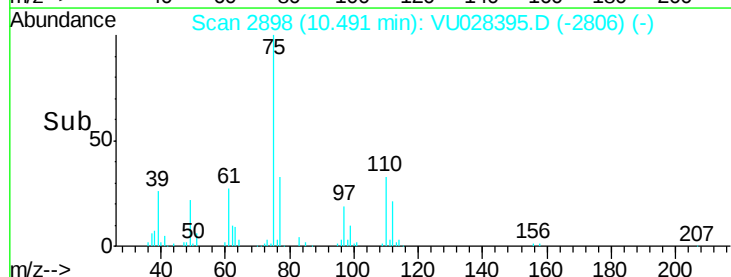
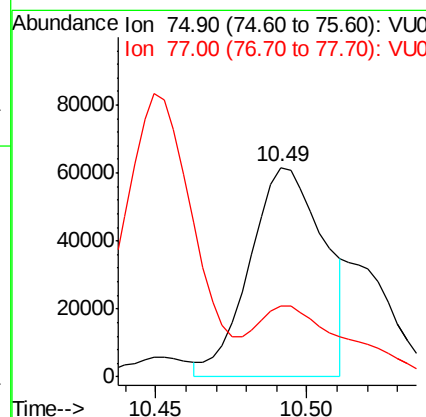
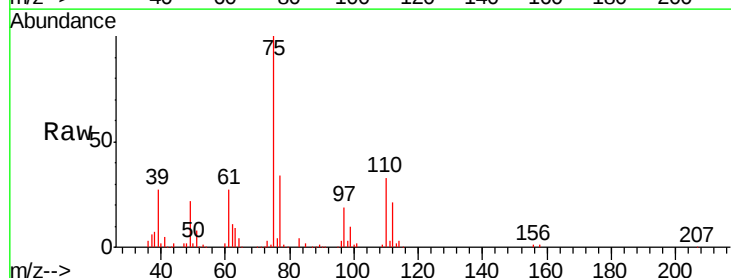
RT: 10.49 min Scan# 2898

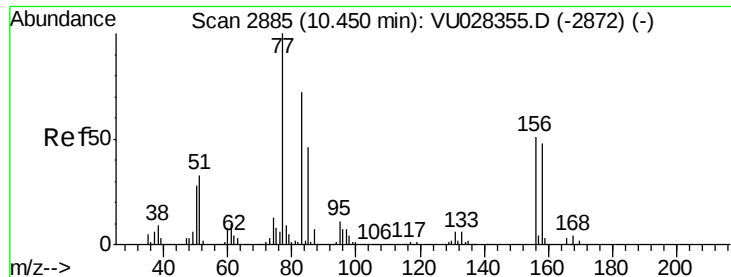
Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Tgt Ion:	75	Resp:	104587
Ion Ratio	Lower	Upper	
75	100		
77	42.0	22.4	67.0





#77

Bromobenzene

Concen: 18.077 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

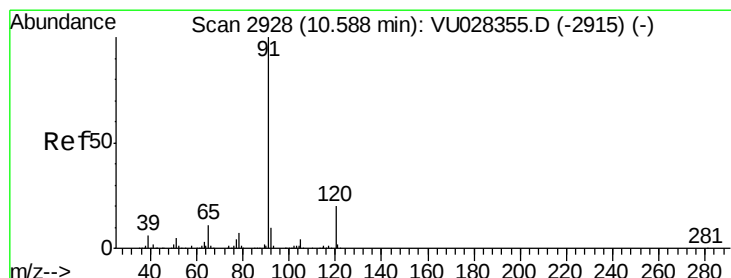
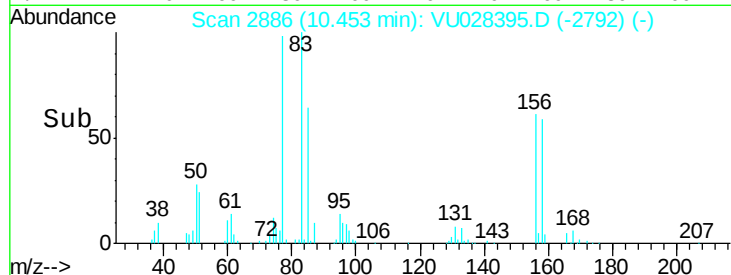
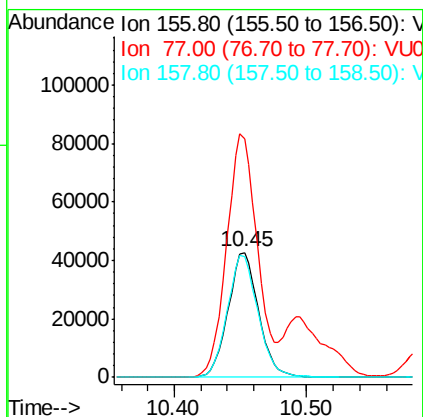
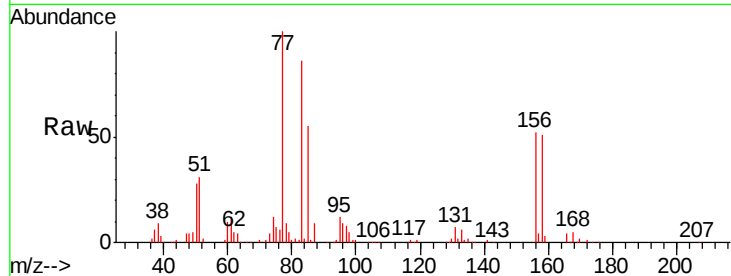
ClientSampleId :

VU1129WBSD01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	198.4	97.0	290.9
158	98.9	46.8	140.4

Manual Integrations
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11/30/2018 11:25:55 AM



#78

n-propylbenzene

Concen: 19.137 ug/l

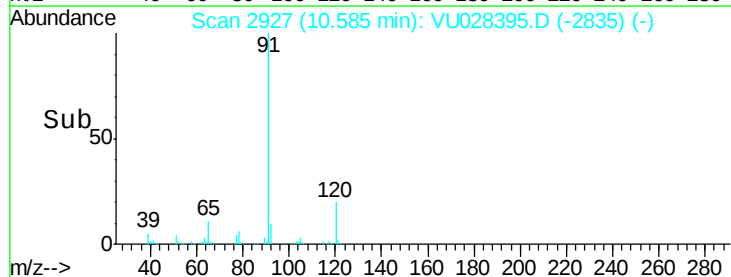
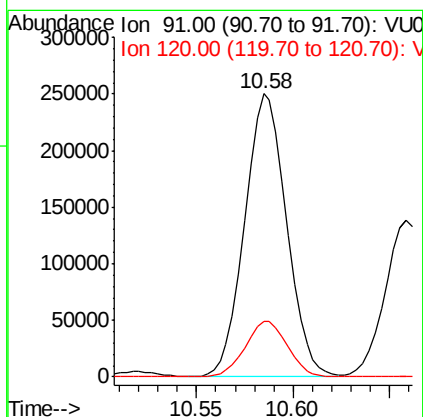
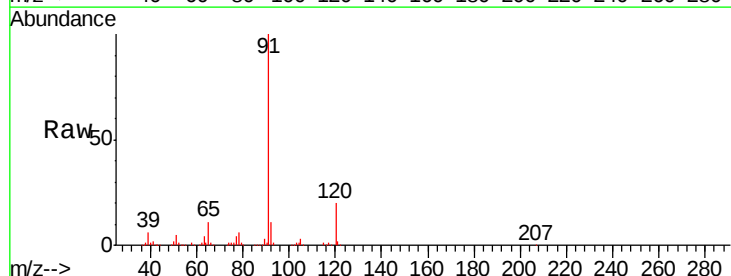
RT: 10.58 min Scan# 2927

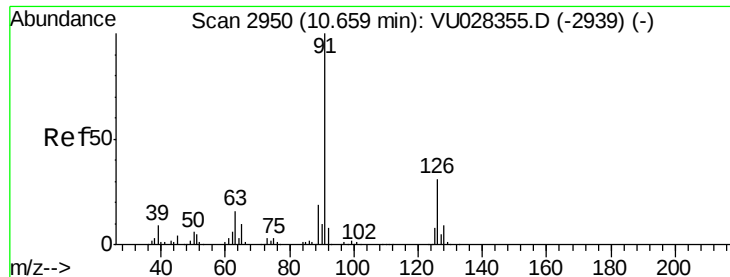
Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.9	10.3	30.8





#79

2-Chlorotoluene

Concen: 19.014 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBSD01

Tgt Ion: 91 Resp: 220941

Ion Ratio Lower Upper

91 100

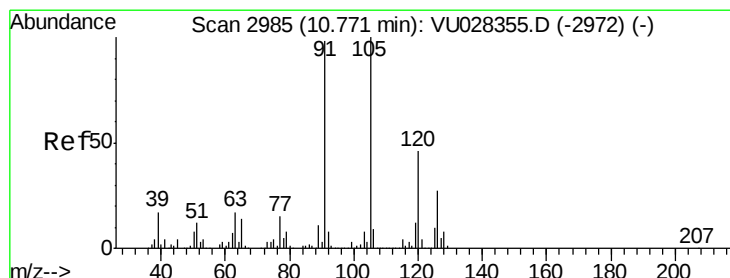
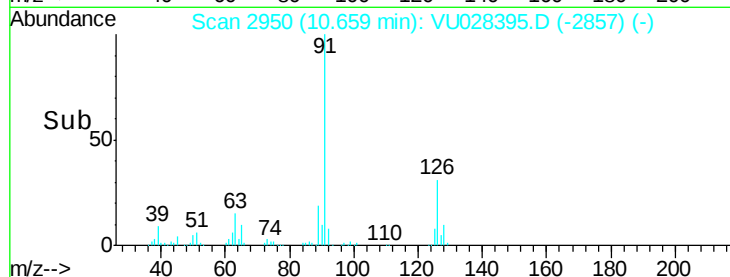
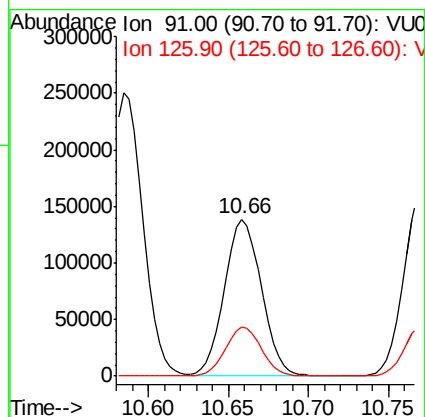
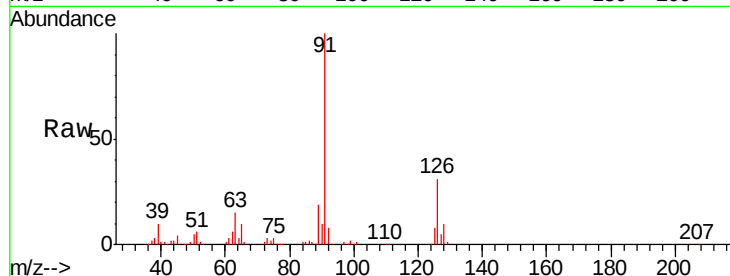
126 30.3 15.4 46.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.594 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028395.D

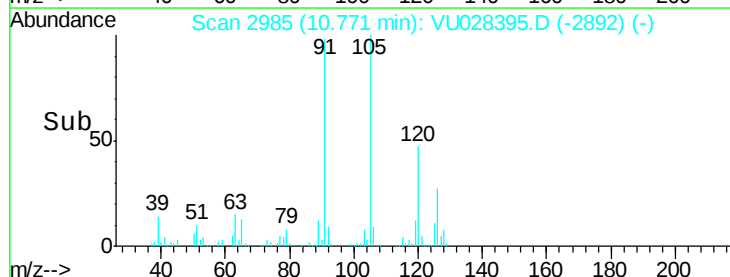
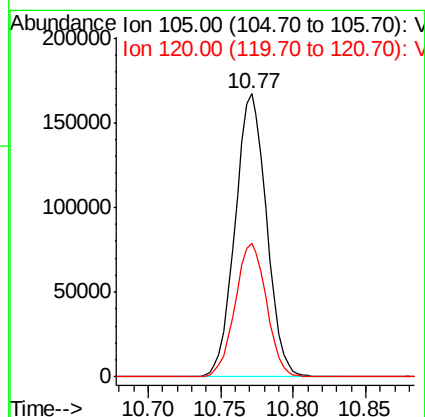
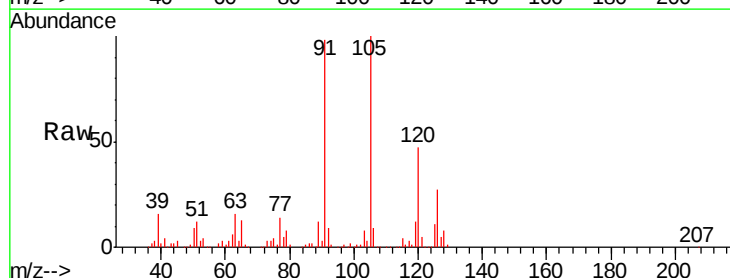
Acq: 29 Nov 2018 15:47

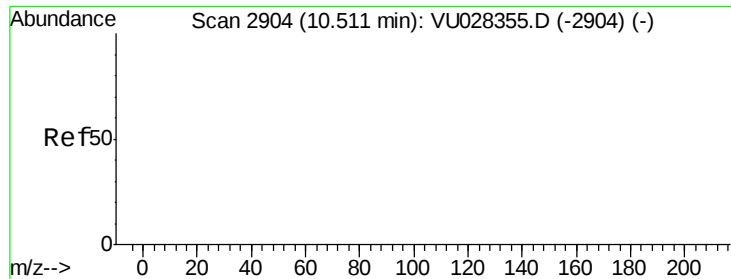
Tgt Ion: 105 Resp: 250377

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0





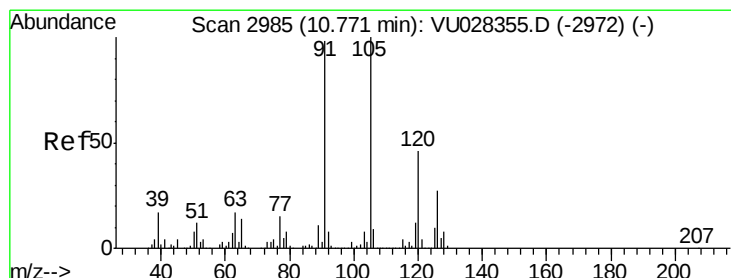
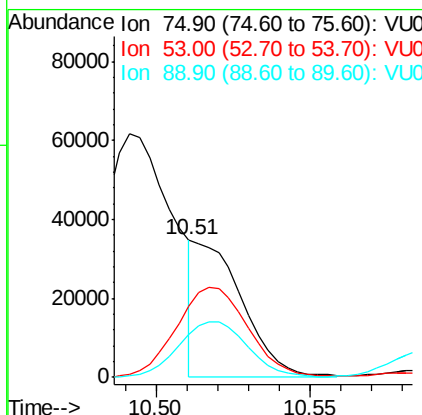
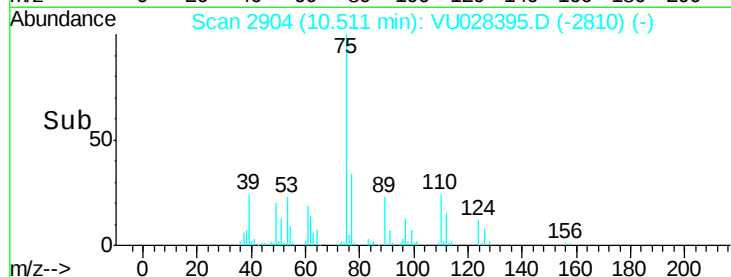
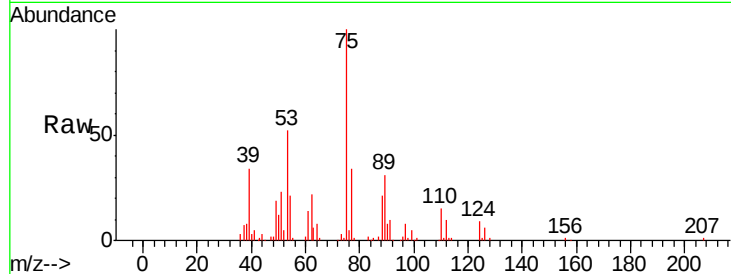
#81
trans-1,4-Dichloro-2-butene
Concen: 17.221 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion: 75 Resp: 36960
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

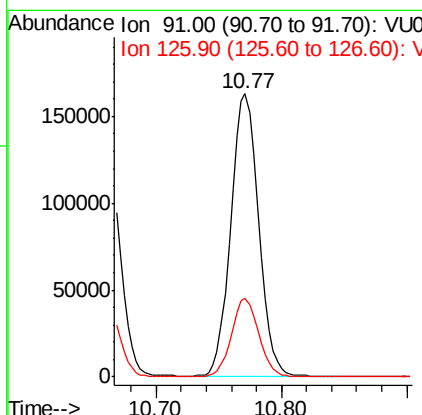
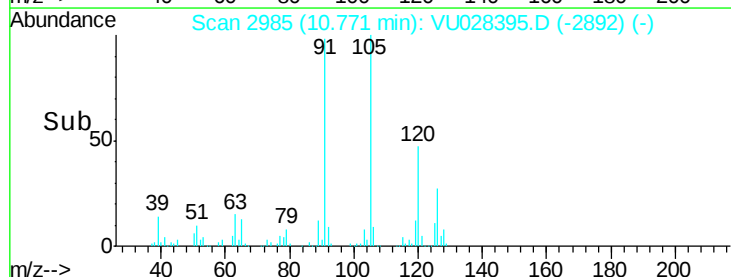
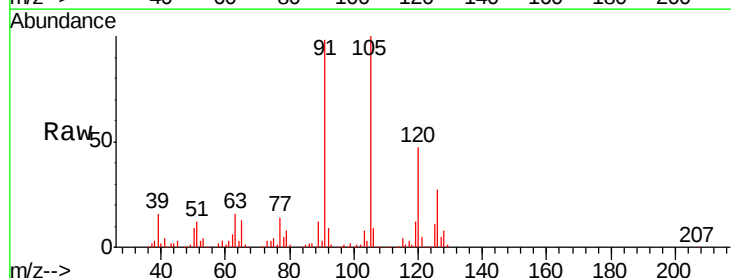
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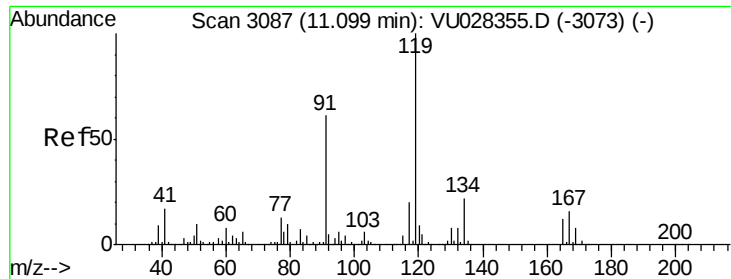
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.823 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion: 91 Resp: 252005
Ion Ratio Lower Upper
91 100
126 27.2 13.9 41.6





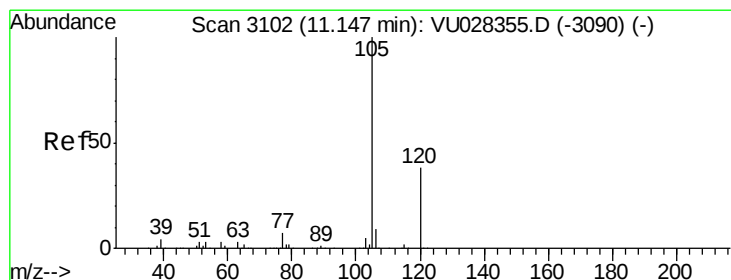
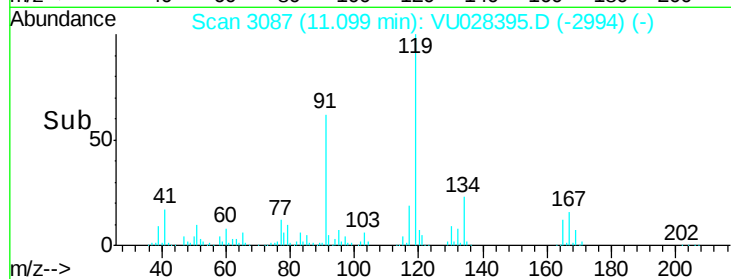
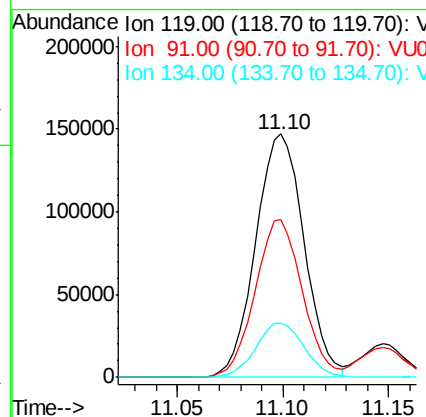
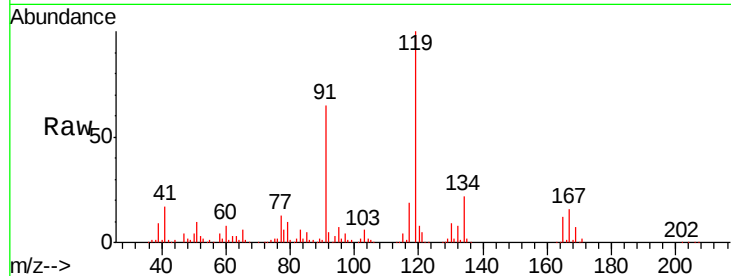
#83
 tert-Butylbenzene
 Concen: 18.754 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	235397		
91	63.2	30.8	92.4	
134	22.2	11.1	33.1	

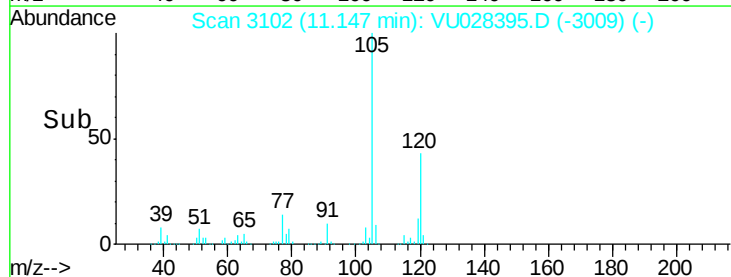
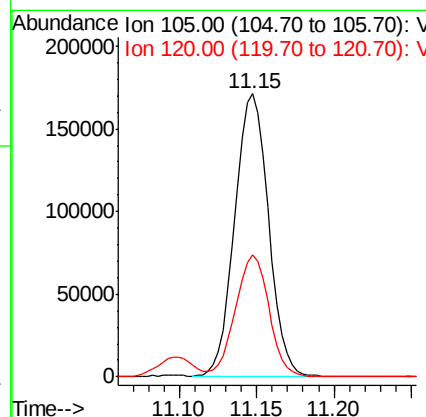
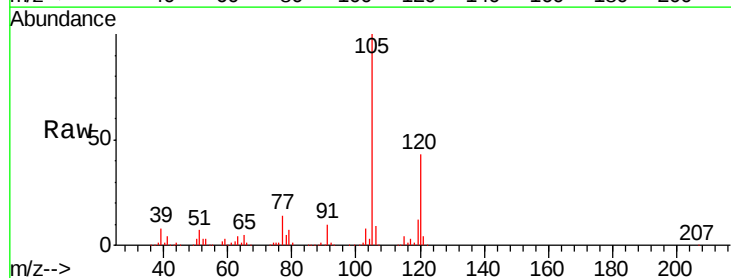
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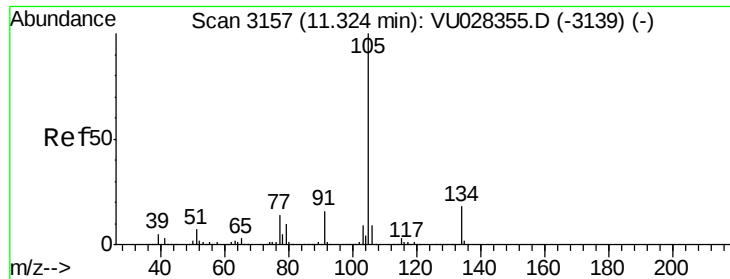
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.978 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	258826		
120	42.9	21.4	64.3	





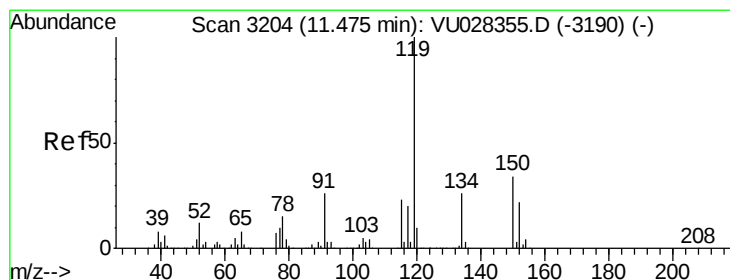
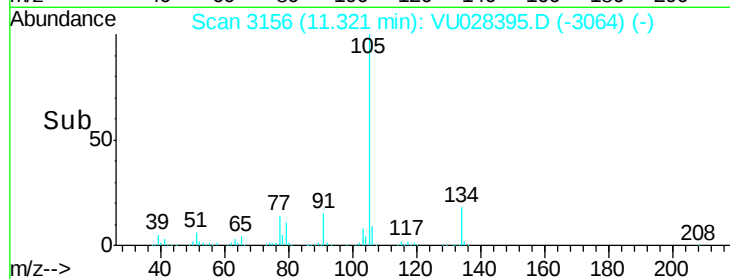
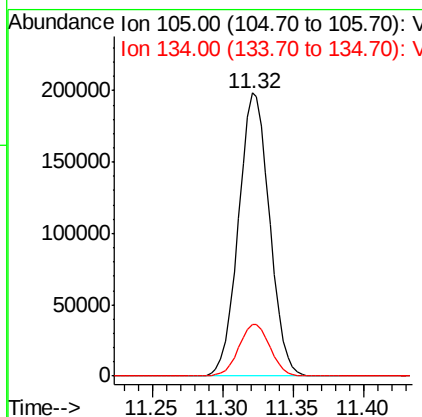
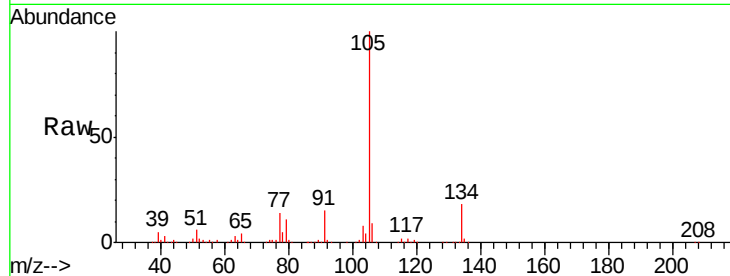
#85
 sec-Butylbenzene
 Concen: 18.814 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBSD01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.3	9.3	27.7

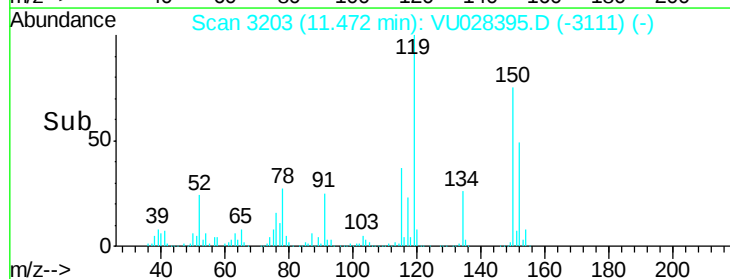
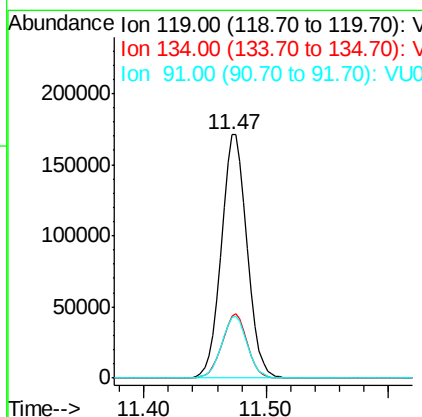
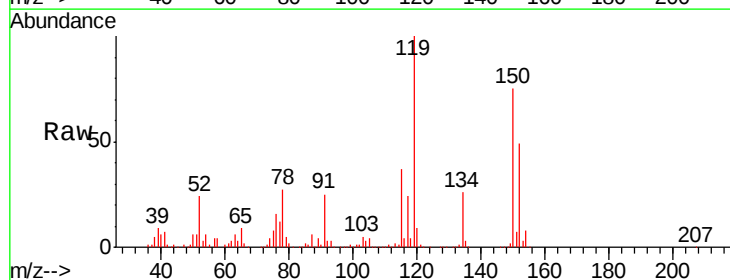
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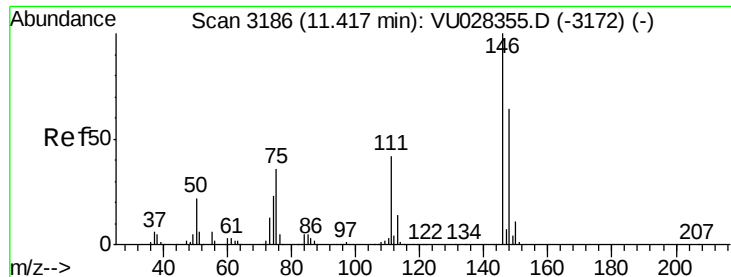
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 11/30/2018 11:25:55 AM



#86
 p-Isopropyltoluene
 Concen: 18.952 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.8	38.3
91	25.4	13.1	39.1





#87

1,3-Dichlorobenzene

Concen: 18.305 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

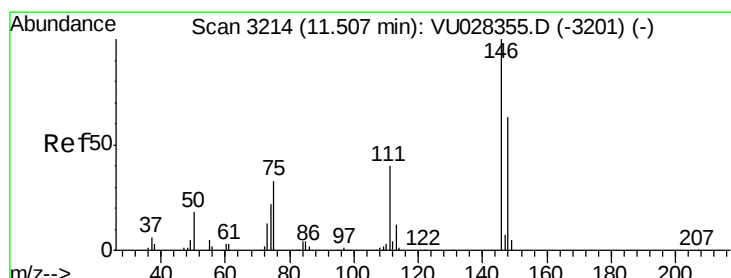
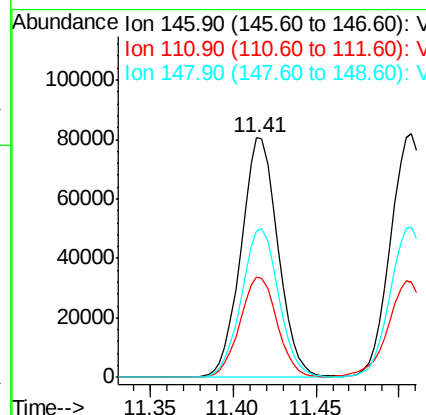
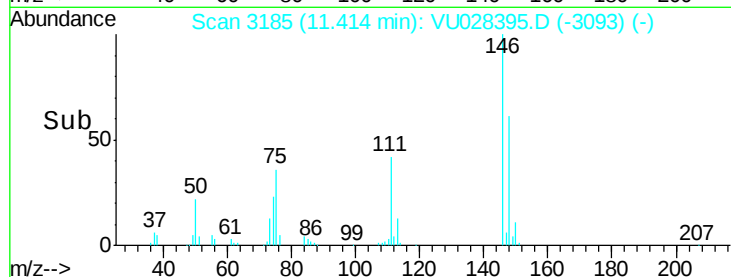
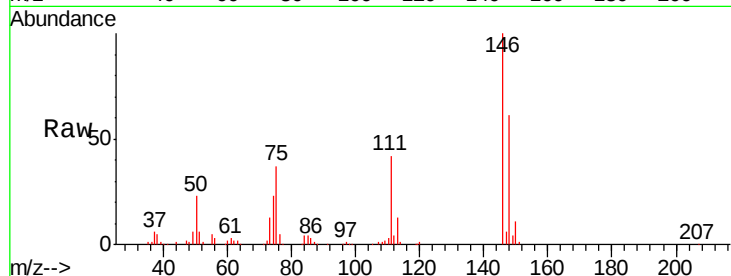
ClientSampleId :

VU1129WBSD01

Tgt Ion:	146	Resp:	125703
Ion Ratio	Lower	Upper	
146	100		
111	42.1	20.8	62.4
148	62.3	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.767 ug/l

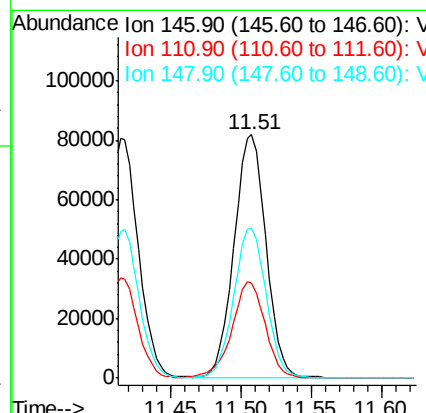
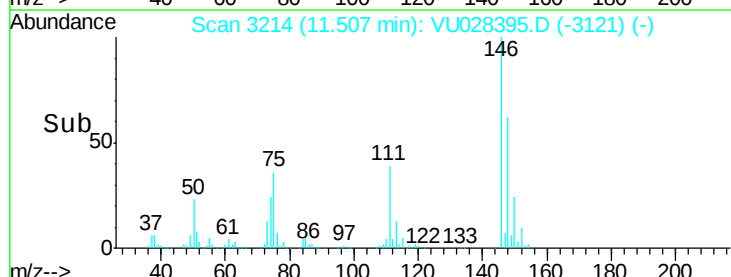
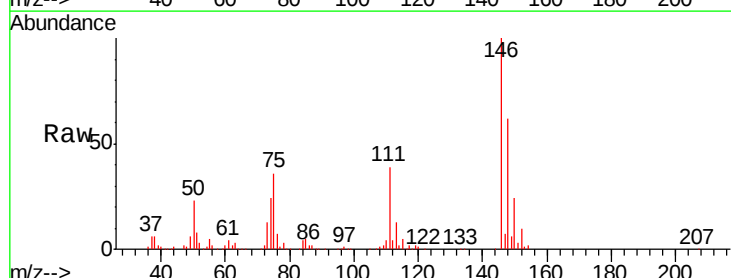
RT: 11.51 min Scan# 3214

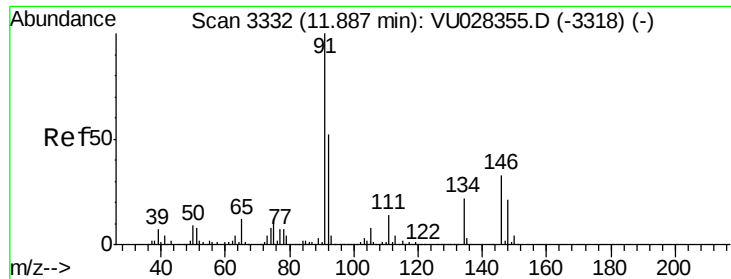
Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Tgt Ion:	146	Resp:	129699
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.6	61.9
148	63.0	31.1	93.5





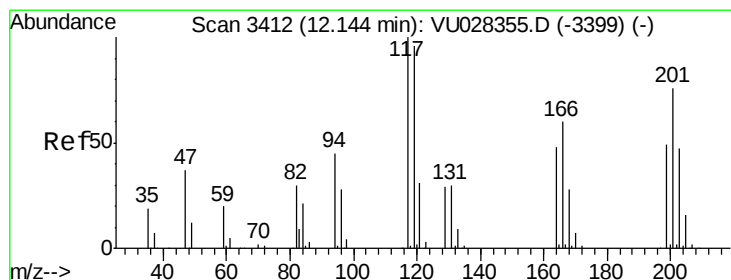
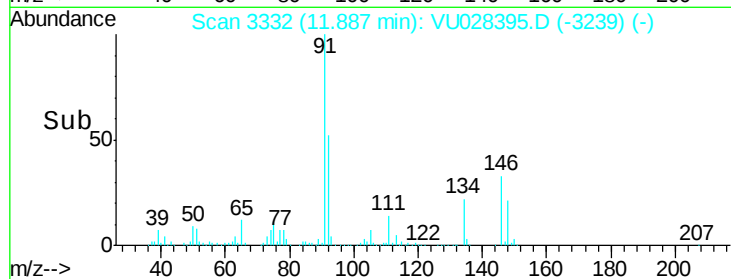
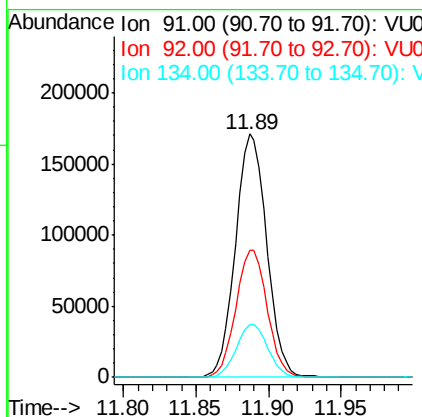
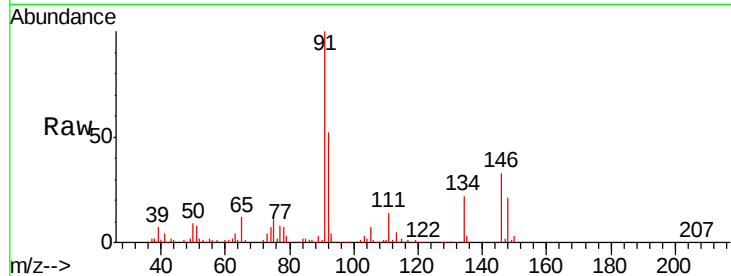
#89
n-Butylbenzene
Concen: 19.381 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	22.0	11.1	33.1

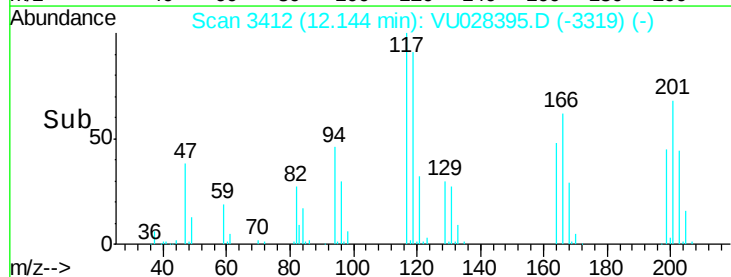
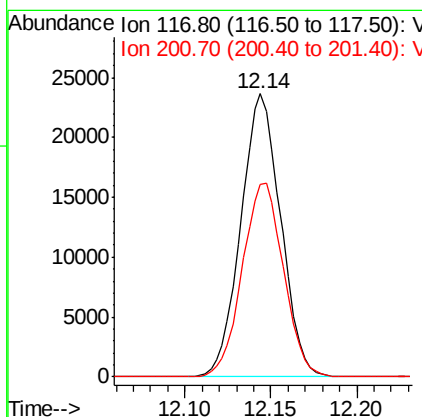
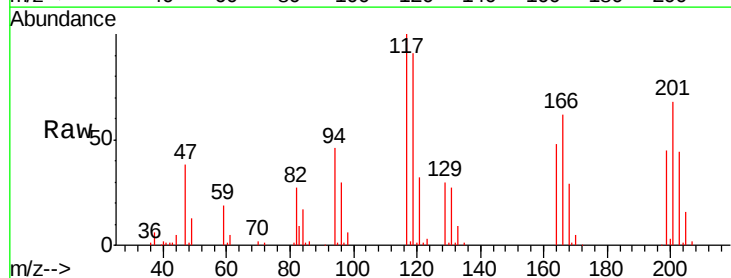
Manual Integrations
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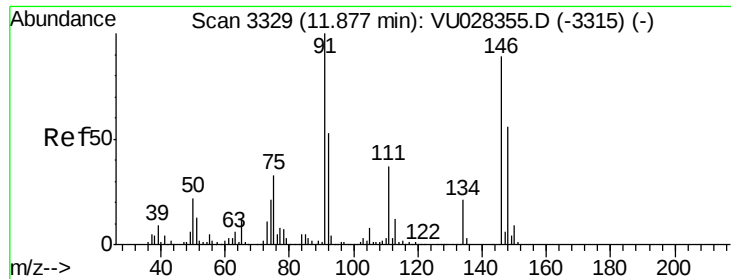
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#90
Hexachloroethane
Concen: 18.118 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.9	37.7	113.1





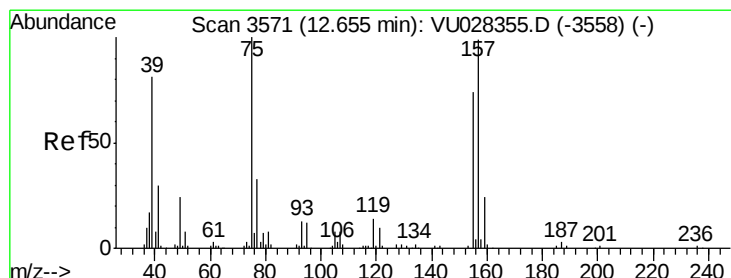
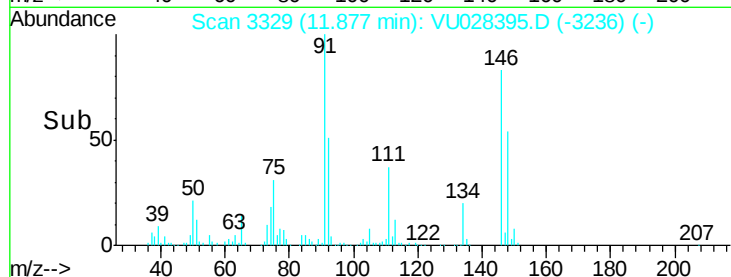
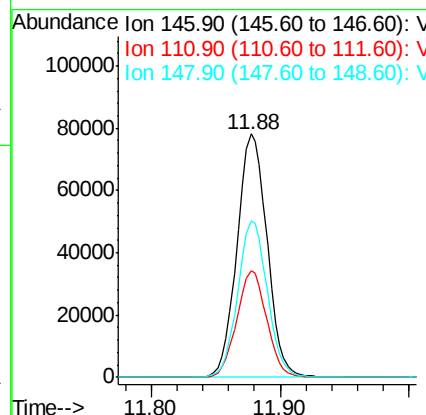
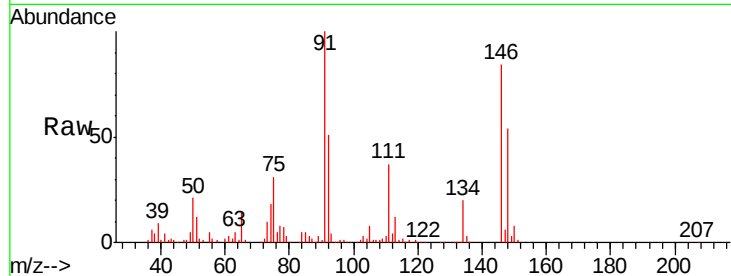
#91
 1,2-Dichlorobenzene
 Concen: 18.476 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	126582		
111	43.6	21.4	64.3	
148	63.3	32.2	96.6	

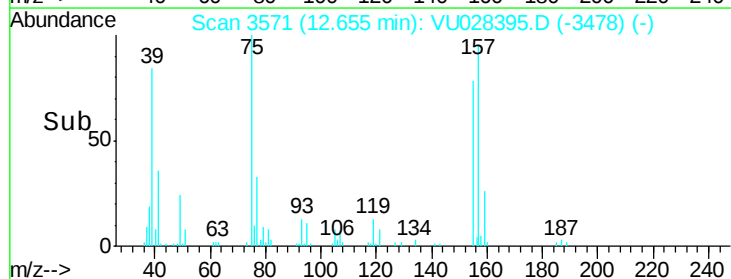
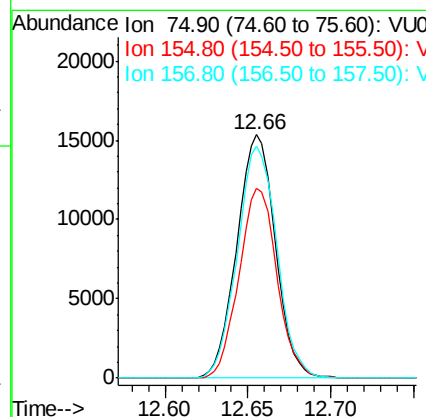
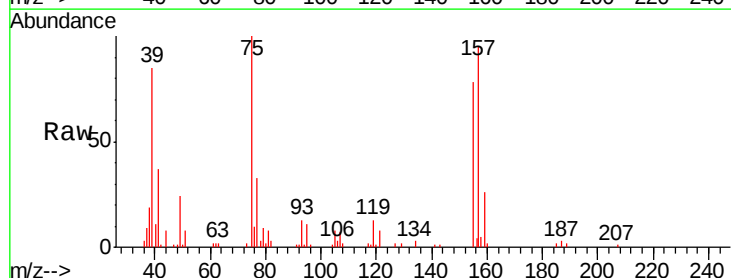
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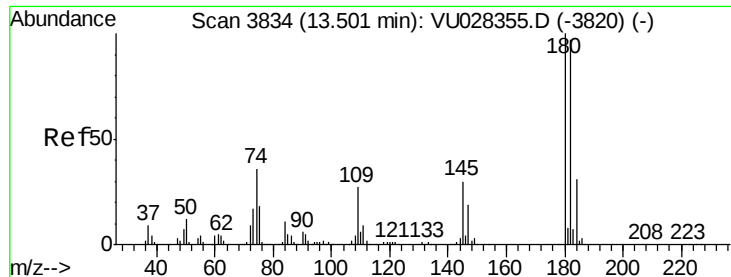
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.971 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24805		
155	77.0	36.9	110.7	
157	97.8	47.5	142.5	





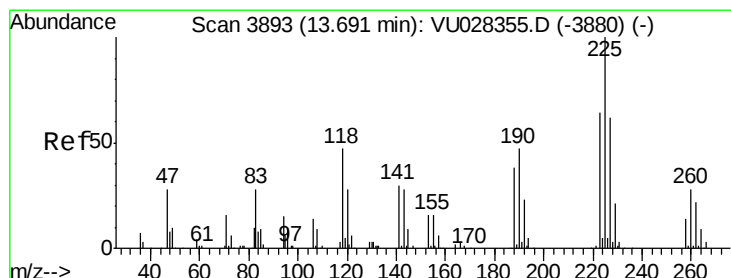
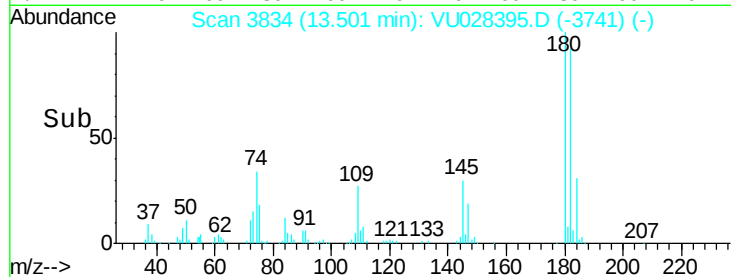
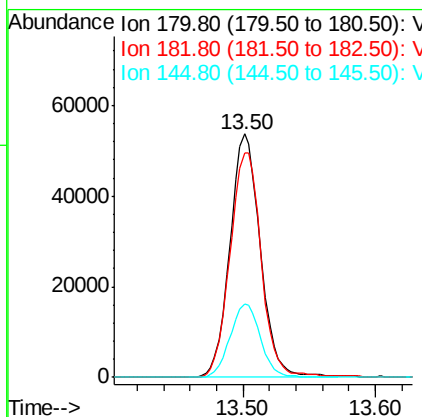
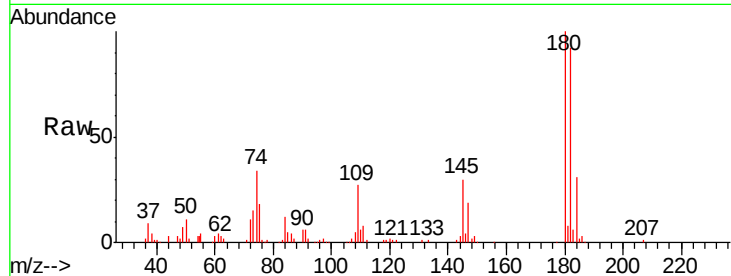
#93
 1,2,4-Trichlorobenzene
 Concen: 19.065 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.3	144.9
145	30.1	15.2	45.5

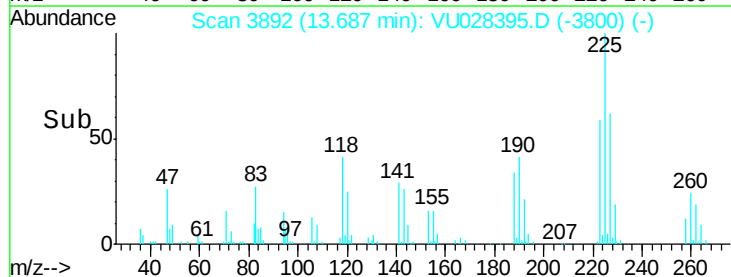
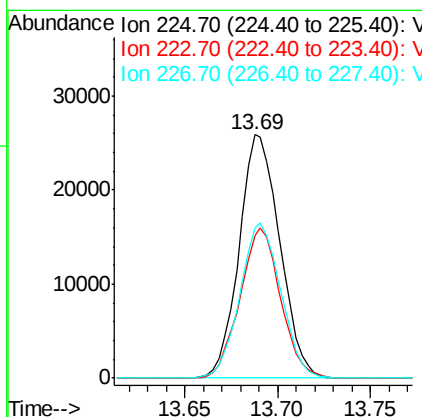
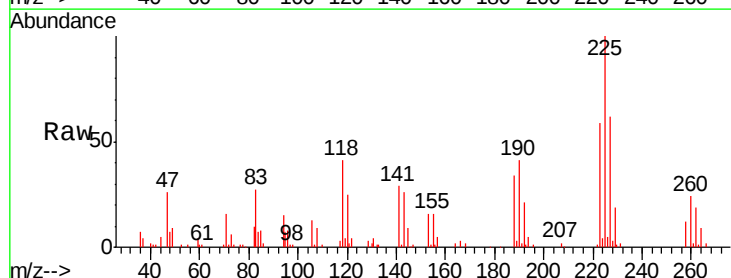
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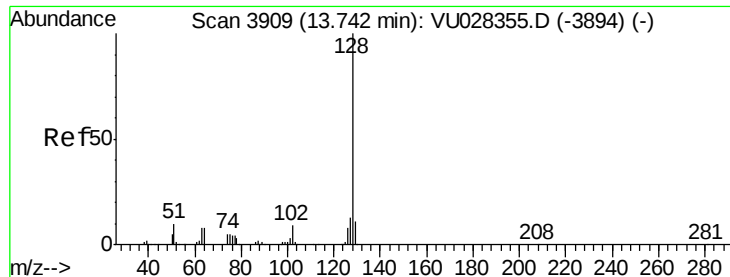
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#94
 Hexachlorobutadiene
 Concen: 18.591 ug/l
 RT: 13.69 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.6	94.7
227	64.0	30.8	92.4





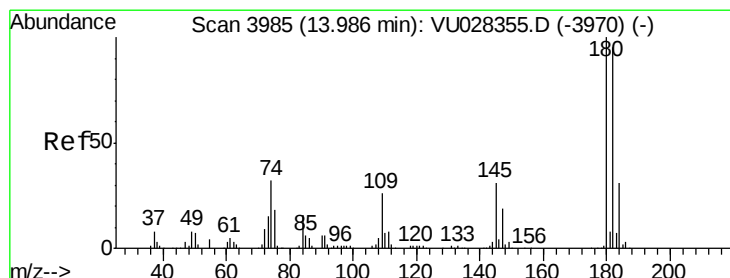
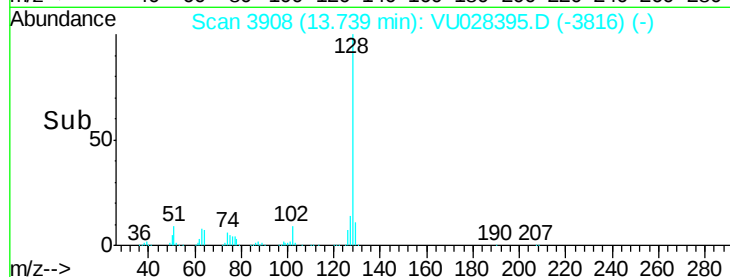
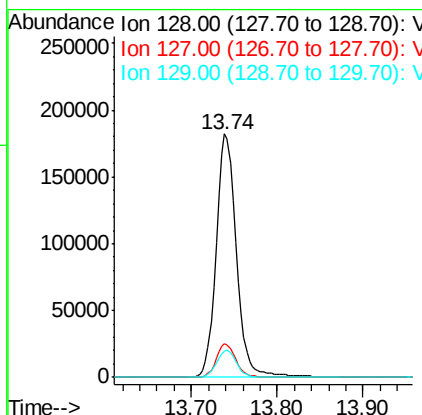
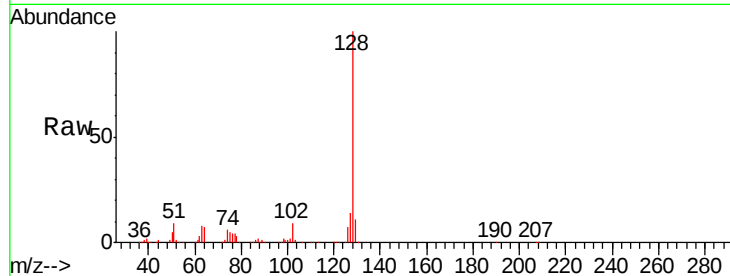
#95
Naphthalene
Concen: 19.229 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.190 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.7	143.1
145	31.7	15.7	47.1

