

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025769.D
 Acq On : 01 Aug 2018 12:07
 Operator : MD/SY
 Sample : VU0801MBS02
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:41:43 AM

Quant Time: Aug 02 04:12:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	174118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	262531	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	252382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155403	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138066	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	4.89	113	113067	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	7.57	98	401907	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	10.31	95	153338	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	53480	20.322	ug/l	98
3) Chloromethane	1.33	50	48972	19.469	ug/l	99
4) Vinyl Chloride	1.40	62	44826	18.937	ug/l	96
5) Bromomethane	1.63	94	23456	20.288	ug/l	99
6) Chloroethane	1.70	64	26956	19.475	ug/l	97
7) Trichlorofluoromethane	1.89	101	66222	19.349	ug/l	100
8) Diethyl Ether	2.10	74	23368	18.871	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	39405	19.896	ug/l	99
10) Methyl Iodide	2.41	142	31139	22.554	ug/l	98
11) Tert butyl alcohol	2.83	59	57950	97.564	ug/l	99
12) 1,1-Dichloroethene	2.28	96	35413	18.942	ug/l	96
13) Acrolein	2.19	56	24824	114.300	ug/l	100
14) Allyl chloride	2.59	41	62296	18.542	ug/l	99
15) Acrylonitrile	2.94	53	118167	99.643	ug/l	100
16) Acetone	2.32	43	124416	94.064	ug/l	97
17) Carbon Disulfide	2.48	76	110066	18.191	ug/l	100
18) Methyl Acetate	2.62	43	74669	23.455	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	133482	19.703	ug/l	97
20) Methylene Chloride	2.70	84	43963	18.755	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	41510	19.207	ug/l	98
22) Diisopropyl ether	3.58	45	130526	19.715	ug/l	95
23) Vinyl Acetate	3.53	43	555162	96.221	ug/l	100
24) 1,1-Dichloroethane	3.45	63	78764	19.819	ug/l	99
25) 2-Butanone	4.27	43	177347	98.497	ug/l	99
26) 2,2-Dichloropropane	4.23	77	71177	19.704	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	46858	19.231	ug/l	99
28) Bromochloromethane	4.55	49	32610	18.352	ug/l	100
29) Tetrahydrofuran	4.64	42	107033	99.223	ug/l	98
30) Chloroform	4.68	83	81439	19.414	ug/l	98
31) Cyclohexane	5.00	56	67965	18.816	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	76090	20.147	ug/l	99
36) 1,1-Dichloropropene	5.14	75	59667	19.448	ug/l	100
37) Ethyl Acetate	4.38	43	62656	19.695	ug/l	99
38) Carbon Tetrachloride	5.14	117	65738	18.917	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	66130	18.812	ug/l	97
40) Benzene	5.39	78	171395	19.111	ug/l	98
41) Methacrylonitrile	4.55	41	35315	19.986	ug/l	98
42) 1,2-Dichloroethane	5.41	62	65723	19.032	ug/l	99
43) Isopropyl Acetate	5.55	43	101075	19.227	ug/l	99
44) Trichloroethene	6.19	130	48805	19.541	ug/l	95
45) 1,2-Dichloropropane	6.44	63	45208	19.329	ug/l	98
46) Dibromomethane	6.56	93	32621	19.248	ug/l	99
47) Bromodichloromethane	6.76	83	61800	19.117	ug/l	94
48) Methyl methacrylate	6.63	41	52107	20.223	ug/l	99
49) 1,4-Dioxane	6.62	88	24708	394.069	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	323881	98.407	ug/l	100
52) Toluene	7.64	92	108373	19.451	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	71477	19.692	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	72421	19.423	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	44243	19.108	ug/l	97
56) Ethyl methacrylate	8.02	69	64812	19.591	ug/l	98
57) 1,3-Dichloropropane	8.25	76	75764	19.457	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	137134	96.025	ug/l	100
59) 2-Hexanone	8.36	43	251576	97.512	ug/l	99
60) Dibromochloromethane	8.48	129	52046	19.061	ug/l	100
61) 1,2-Dibromoethane	8.59	107	49317	19.152	ug/l	99
64) Tetrachloroethene	8.23	164	40831	18.380	ug/l	97
65) Chlorobenzene	9.12	112	127054	19.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	45838	19.473	ug/l	96
67) Ethyl Benzene	9.25	91	207118	19.216	ug/l	100
68) m/p-Xylenes	9.38	106	164664	39.793	ug/l	97
69) o-Xylene	9.78	106	78239	19.346	ug/l	99
70) Styrene	9.80	104	125536	19.217	ug/l	99
71) Bromoform	9.96	173	39216	19.213	ug/l #	98
73) Isopropylbenzene	10.17	105	210990	19.892	ug/l	99
74) N-amyl acetate	10.01	43	87855	20.290	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	72031	19.638	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	65316m	19.076	ug/l	
77) Bromobenzene	10.45	156	57347	19.602	ug/l	98
78) n-propylbenzene	10.59	91	246249	19.891	ug/l	99
79) 2-Chlorotoluene	10.66	91	147345	20.321	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	183620	20.384	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	23543m	17.241	ug/l	
82) 4-Chlorotoluene	10.78	91	169497	19.830	ug/l	99
83) tert-Butylbenzene	11.10	119	179490	20.055	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	186933	20.479	ug/l	99
85) sec-Butylbenzene	11.33	105	219760	20.111	ug/l	100
86) p-Isopropyltoluene	11.48	119	194459	19.874	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	105986	19.517	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	105946	18.716	ug/l	97
89) n-Butylbenzene	11.89	91	174503	19.327	ug/l	99
90) Hexachloroethane	12.15	117	33518	19.267	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	106158	19.944	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17639	20.285	ug/l	97

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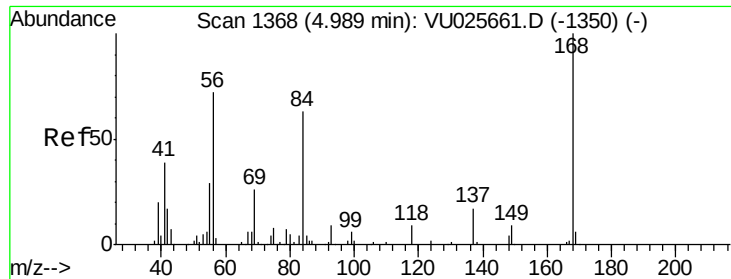
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	71309	19.849	ug/l	99
94) Hexachlorobutadiene	13.70	225	33932	17.918	ug/l	97
95) Naphthalene	13.74	128	216913	19.578	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	72693	20.284	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS02

Tot Ion:168 Resp: 174118

Ion Ratio Lower Upper

168 100

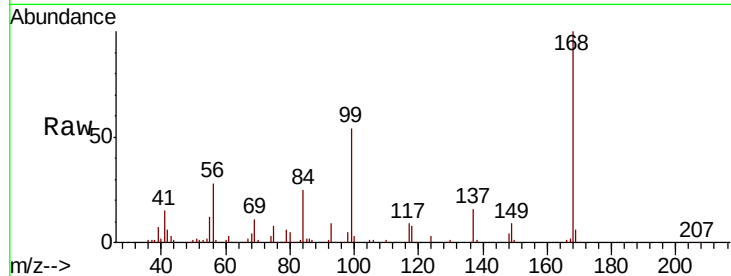
99 53.4 42.8 64.2

Manual Integrations

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8/2/2018 9:41:43 AM



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

4.99

80000

60000

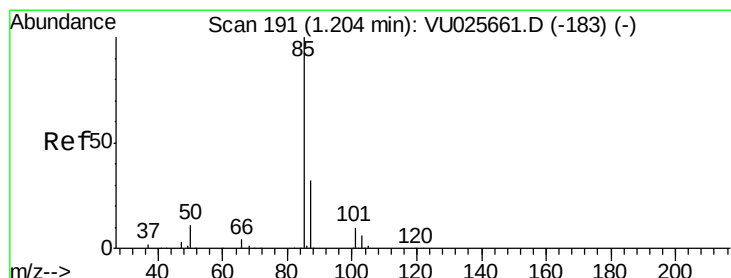
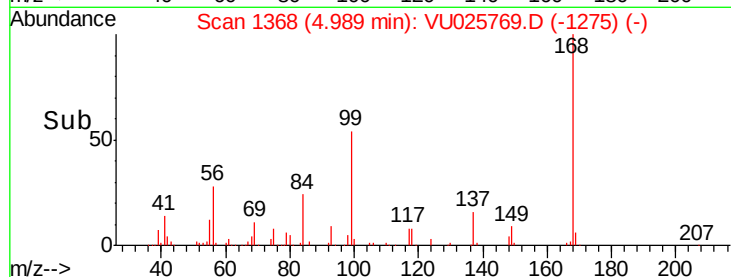
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.322 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025769.D

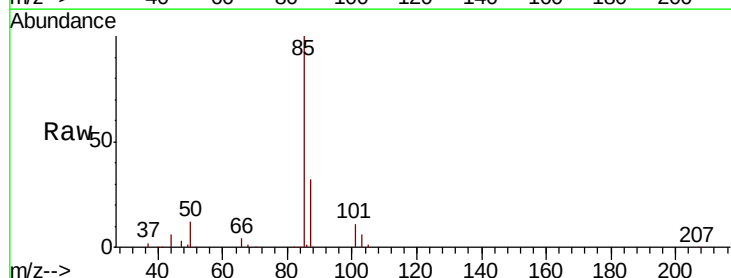
Acq: 01 Aug 2018 12:07

Tgt Ion: 85 Resp: 53480

Ion Ratio Lower Upper

85 100

87 32.1 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)

1.21

50000

40000

30000

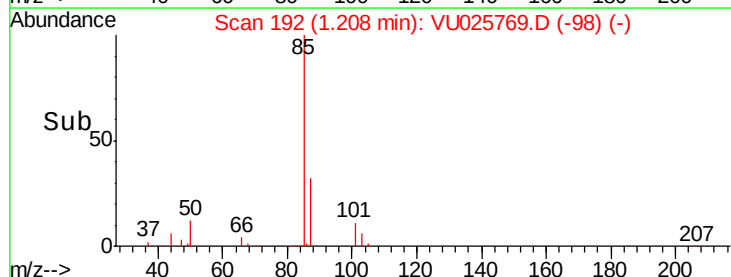
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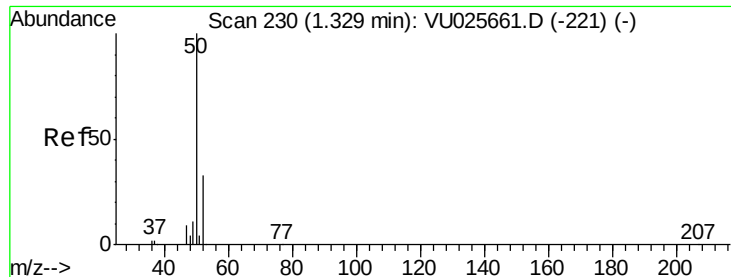
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.469 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS02

Tot Ion: 50 Resp: 48972

Ion Ratio Lower Upper

50 100

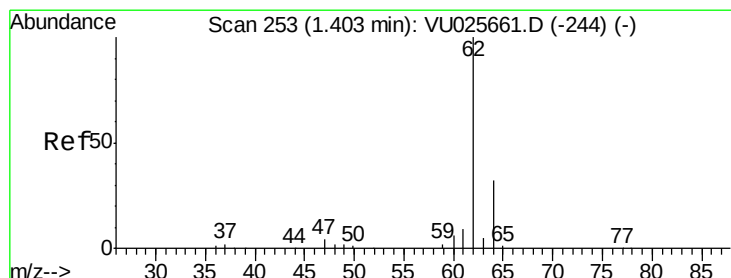
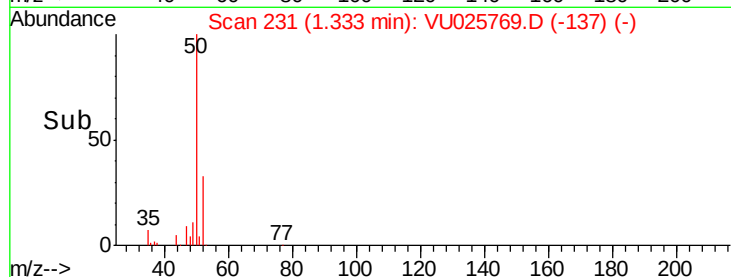
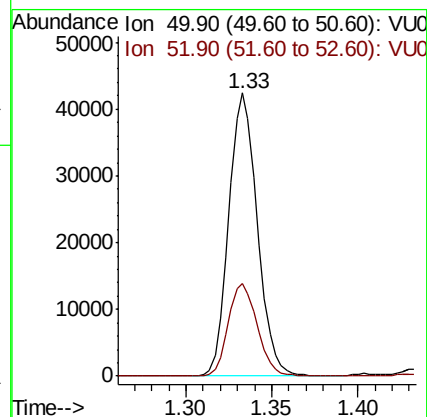
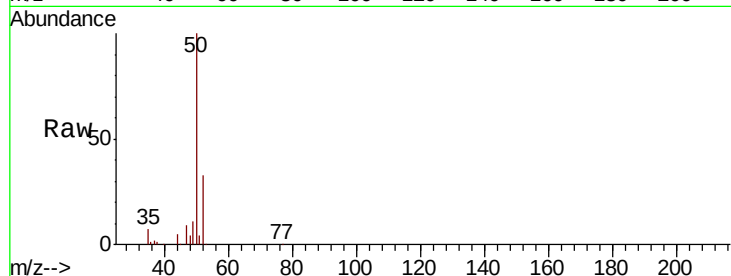
52 32.5 26.5 39.7

Manual Integrations

APPROVED

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8/2/2018 9:41:43 AM



#4

Vinyl Chloride

Concen: 18.937 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025769.D

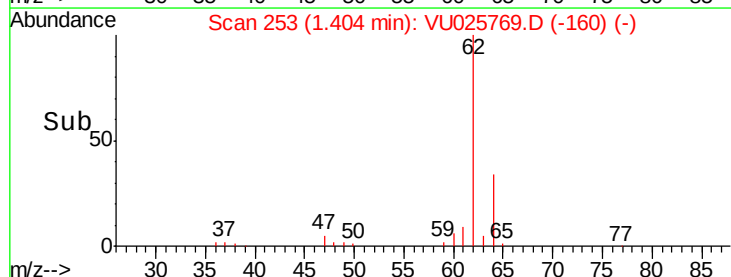
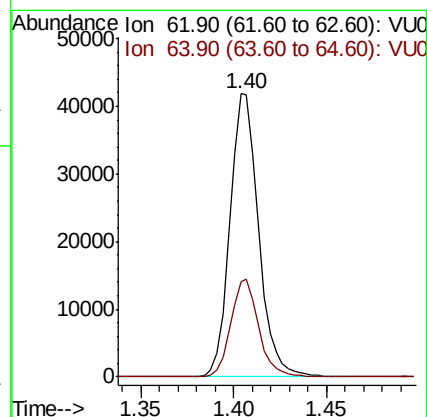
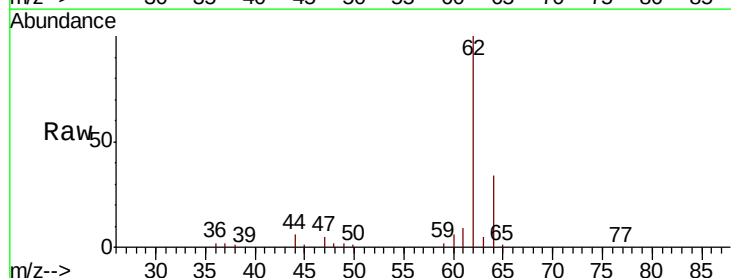
Acq: 01 Aug 2018 12:07

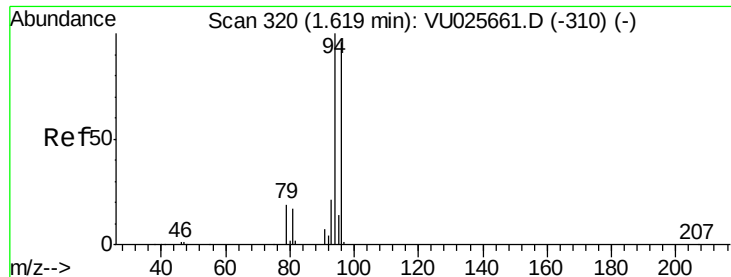
Tgt Ion: 62 Resp: 44826

Ion Ratio Lower Upper

62 100

64 33.8 25.4 38.0





#5

Bromomethane

Concen: 20.288 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS02

Tot Ion: 94 Resp: 23456

Ion Ratio Lower Upper

94 100

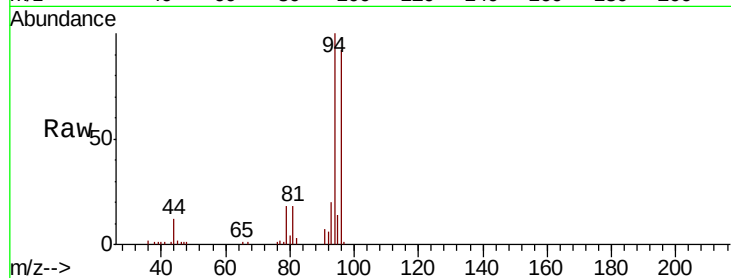
96 92.4 75.0 112.4

Manual Integrations

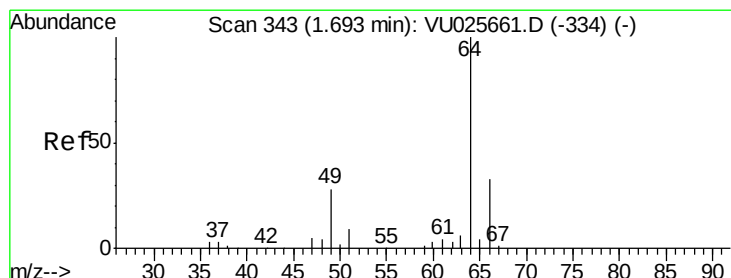
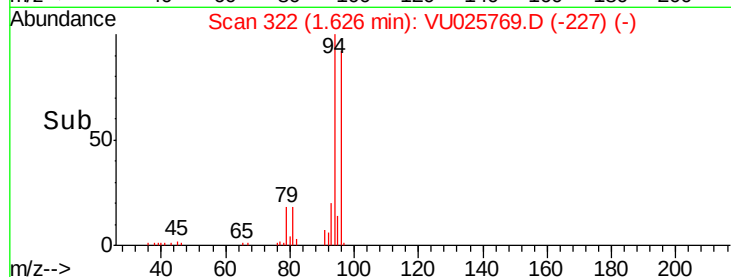
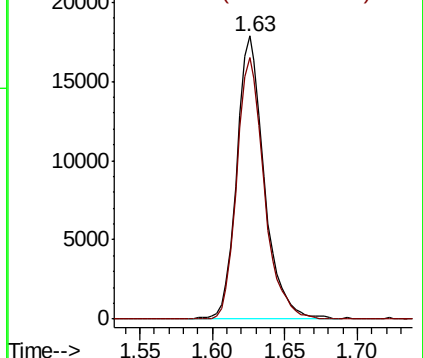
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8/2/2018 9:41:43 AM



Abundance Ion 93.90 (93.60 to 94.60): VU025769.D (-227) (-)



#6

Chloroethane

Concen: 19.475 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025769.D

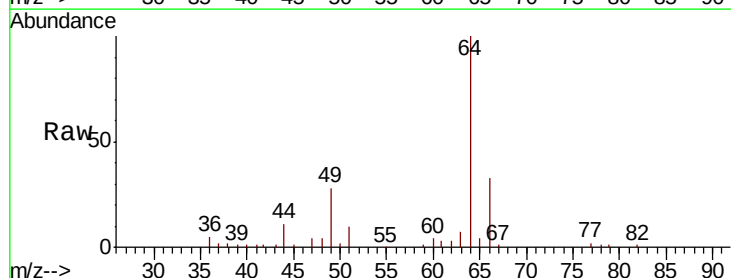
Acq: 01 Aug 2018 12:07

Tgt Ion: 64 Resp: 26956

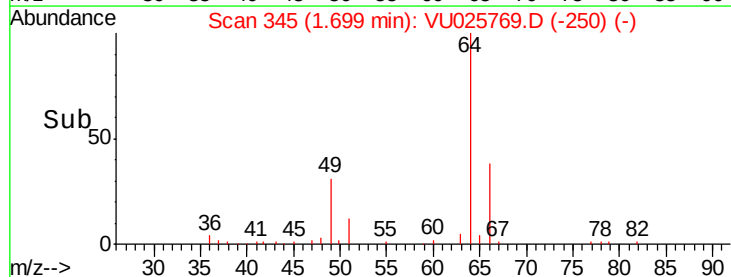
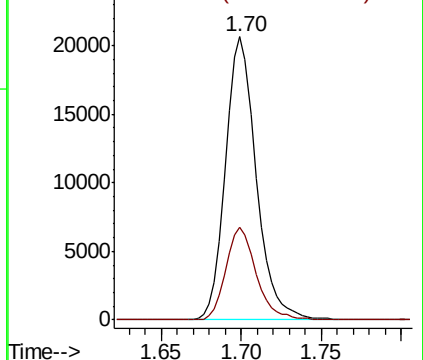
Ion Ratio Lower Upper

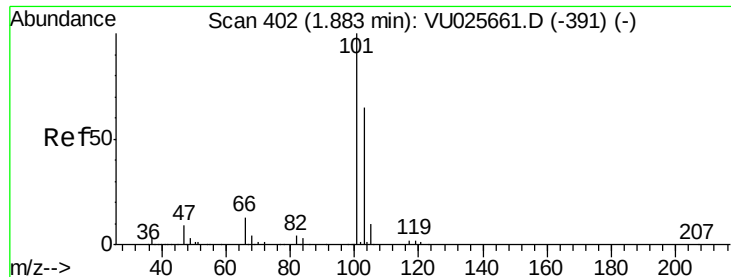
64 100

66 32.8 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025769.D (-250) (-)





#7

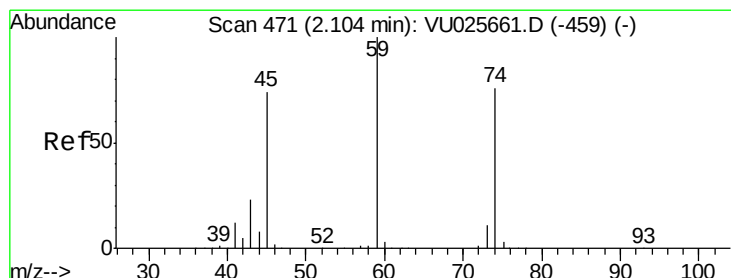
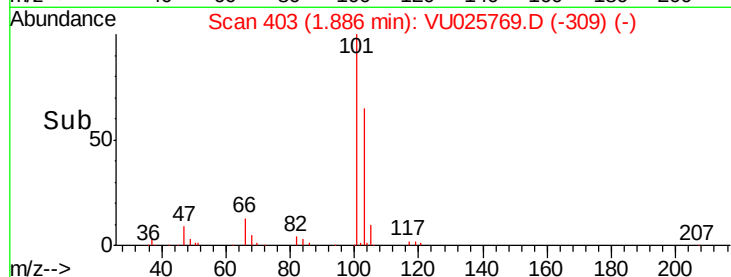
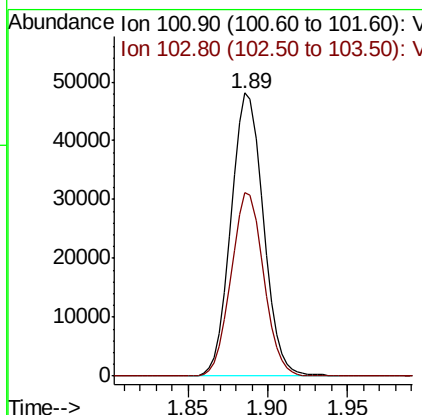
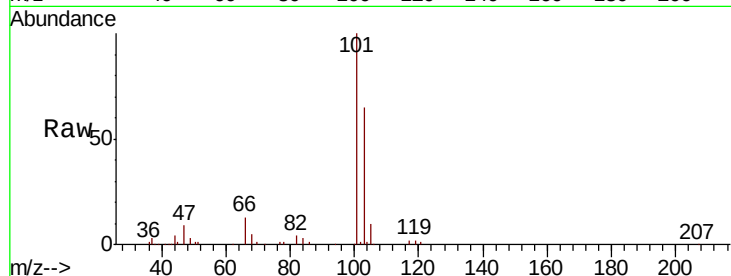
Trichlorofluoromethane
 Concen: 19.349 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
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 ClientSampleId :
 VU0801MBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.2

Manual Integrations
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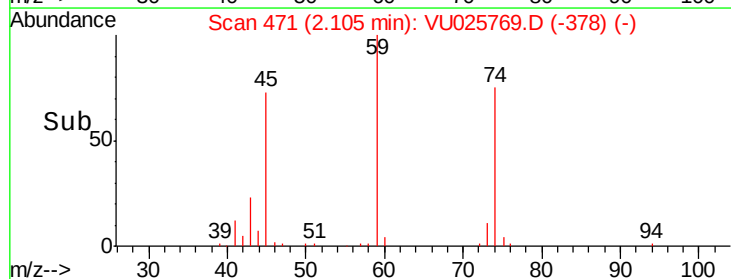
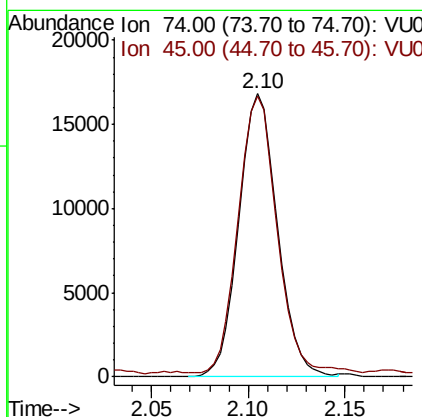
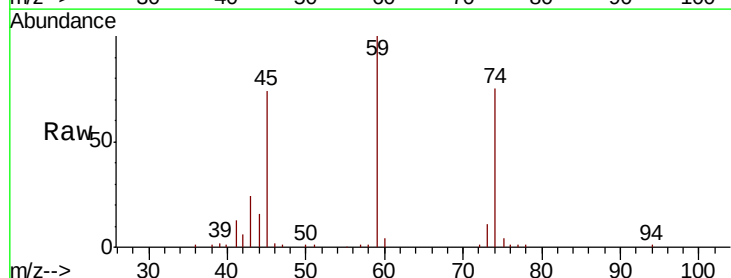
MMDadoda
 8/2/2018 9:41:43 AM

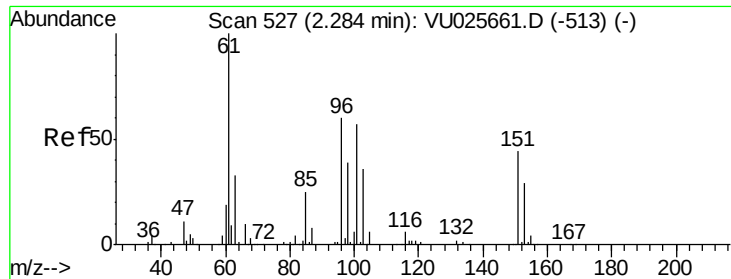


#8

Diethyl Ether
 Concen: 18.871 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.896 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

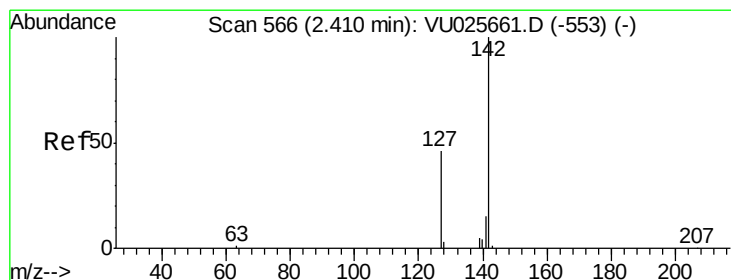
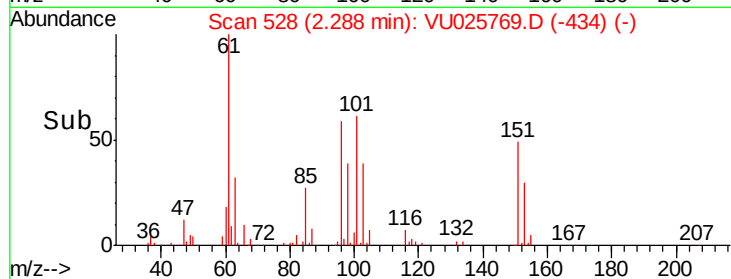
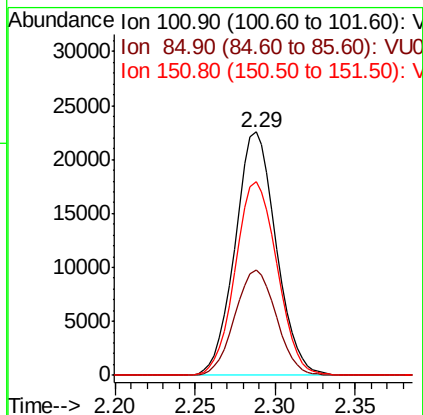
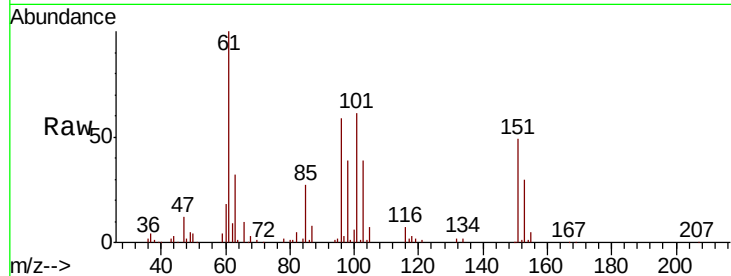
ClientSampleId :

VU0801MBS02

Tot Ion:	101	Resp:	39405
Ion Ratio	Lower	Upper	
101	100		
85	43.5	36.0	54.0
151	81.1	65.6	98.4

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8/2/2018 9:41:43 AM



#10

Methyl Iodide

Concen: 22.554 ug/l

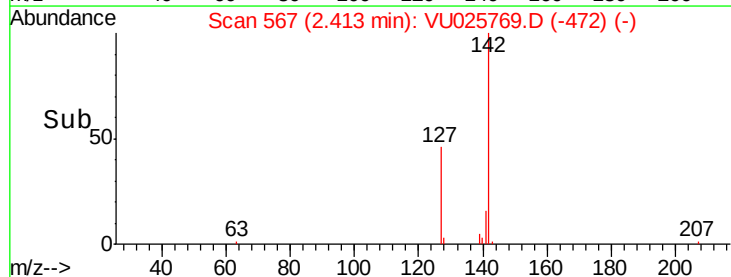
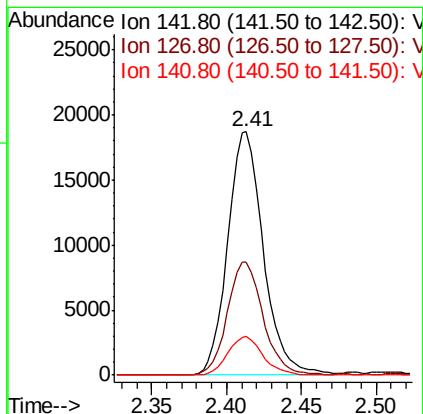
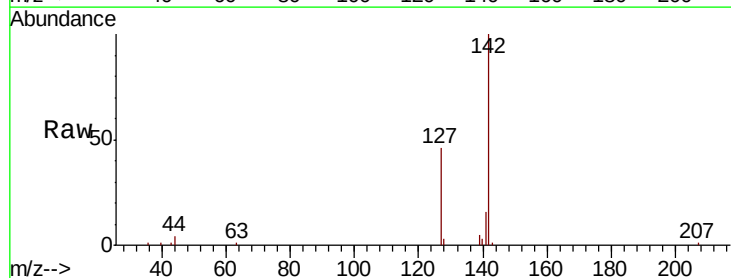
RT: 2.41 min Scan# 567

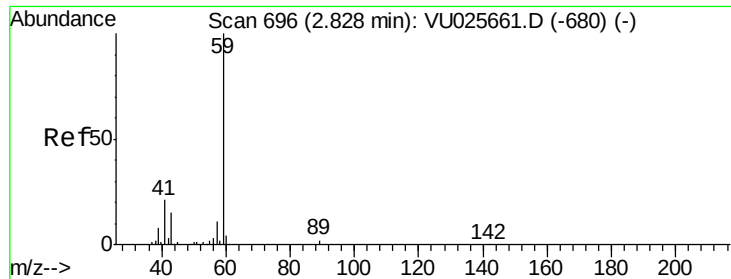
Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Tgt Ion:	142	Resp:	31139
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.5	54.7
141	15.5	11.4	17.2





#11

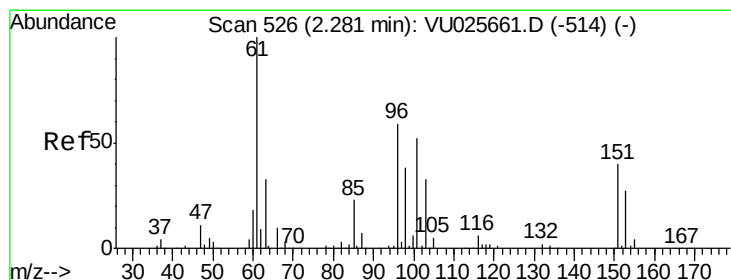
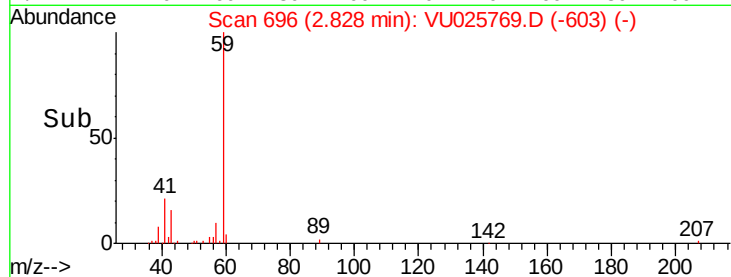
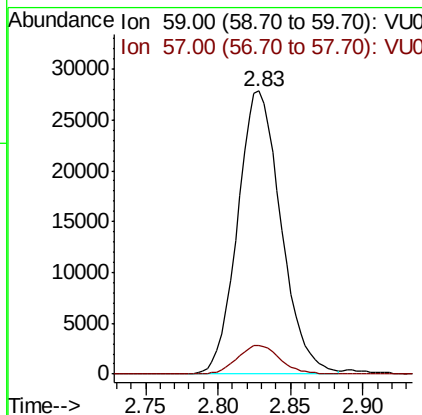
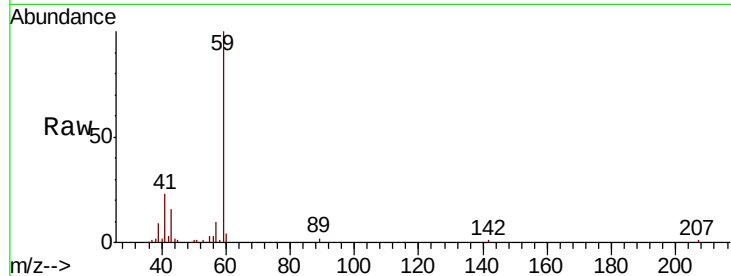
Tert butyl alcohol
Concen: 97.564 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

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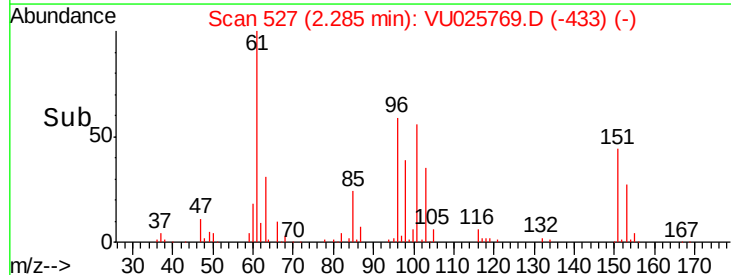
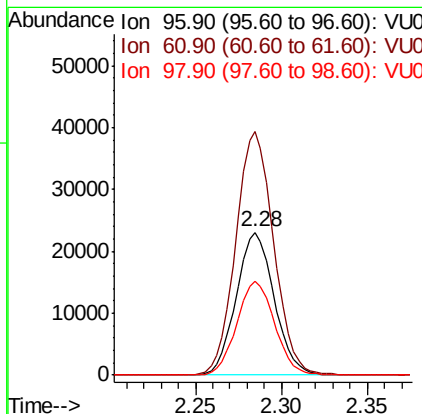
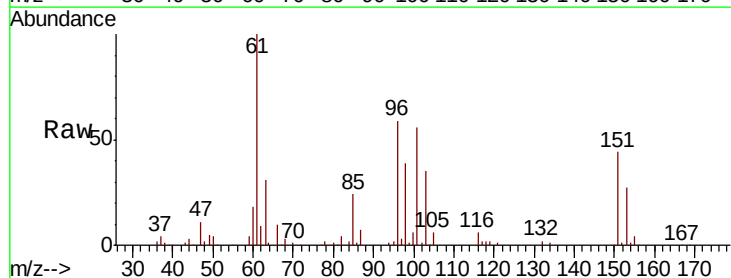
MMDadoda
8/2/2018 9:41:43 AM

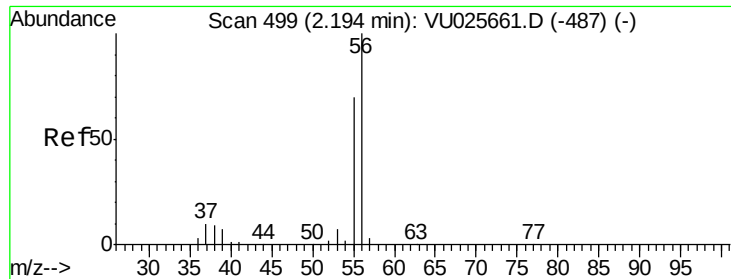


#12

1,1-Dichloroethene
Concen: 18.942 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.1	140.2	210.4
98	65.7	49.3	73.9





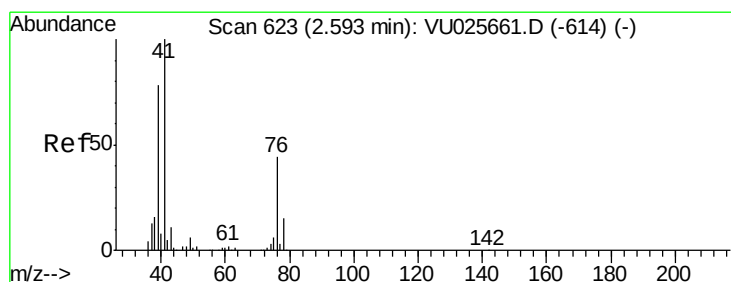
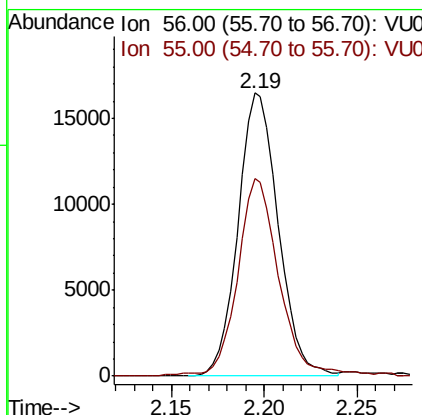
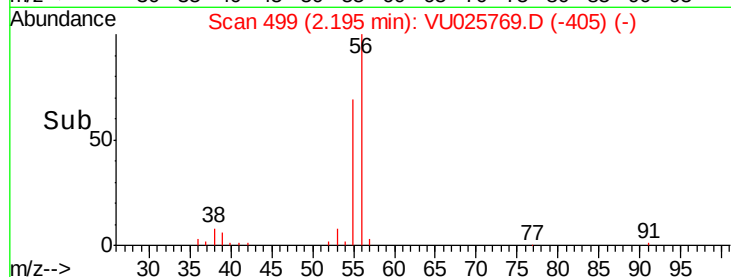
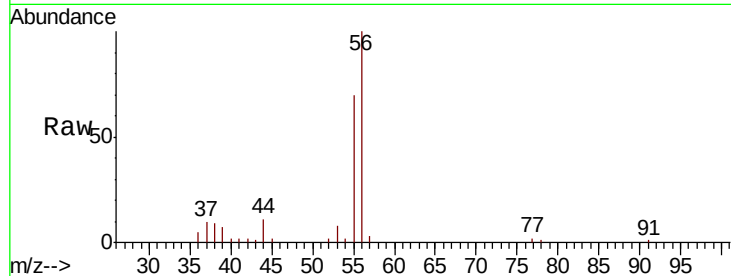
#13
Acrolein
Concen: 114.300 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.2	85.8

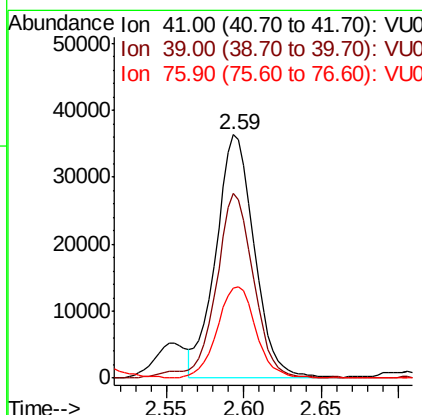
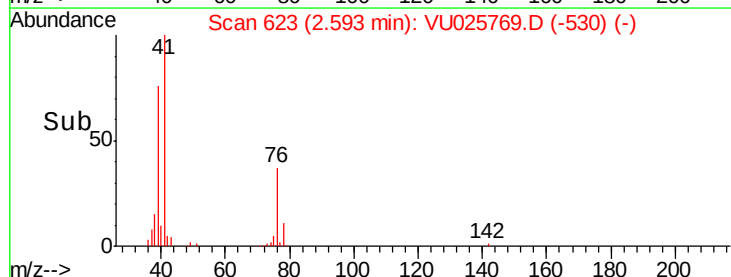
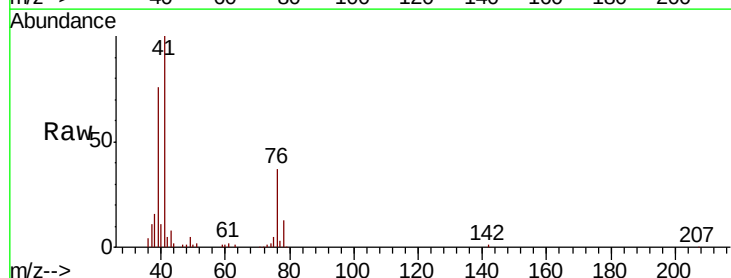
Manual Integrations
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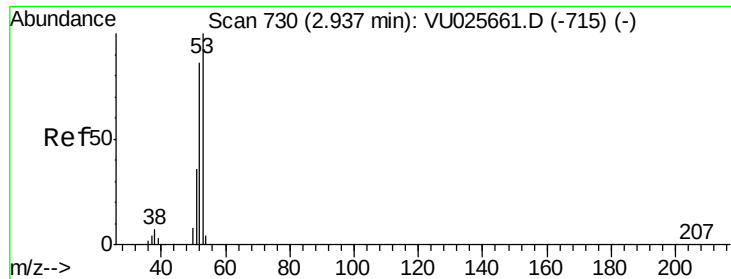
MMDadoda
8/2/2018 9:41:43 AM



#14
Allyl chloride
Concen: 18.542 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.9	60.6	91.0
76	37.9	30.5	45.7





#15

Acrylonitrile

Concen: 99.643 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

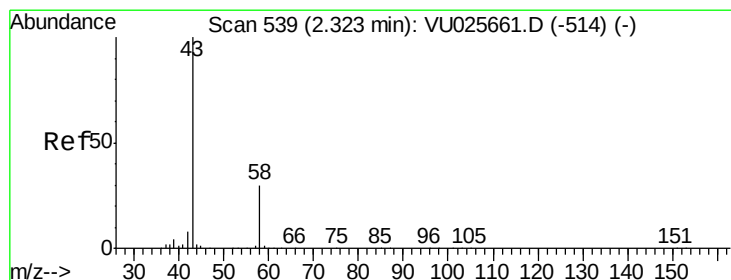
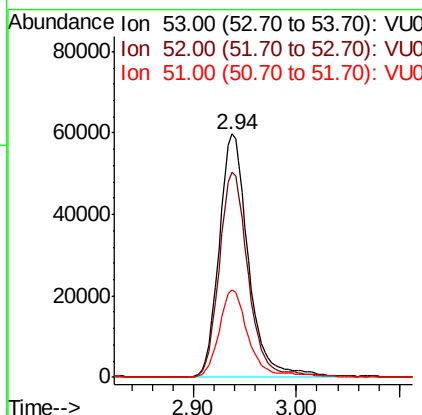
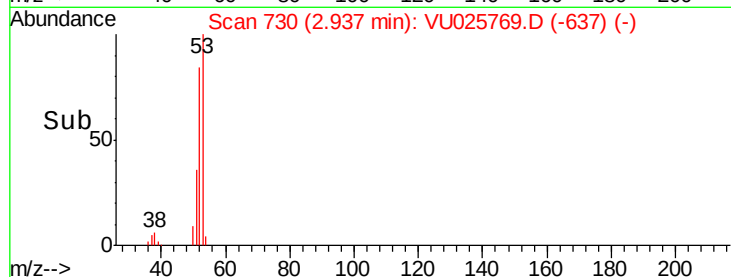
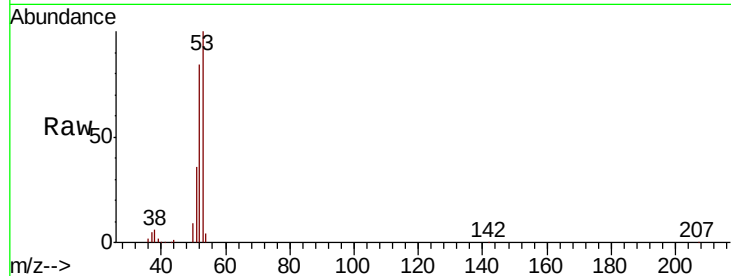
ClientSampleId :

VU0801MBS02

Tot Ion:	53	Resp:	118167
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.6	99.8
51	36.2	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 94.064 ug/l

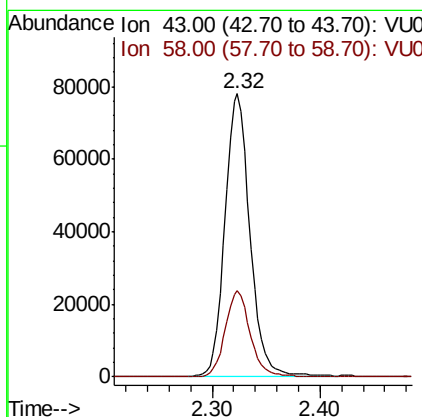
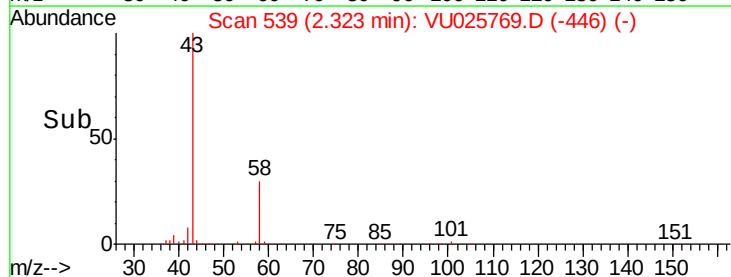
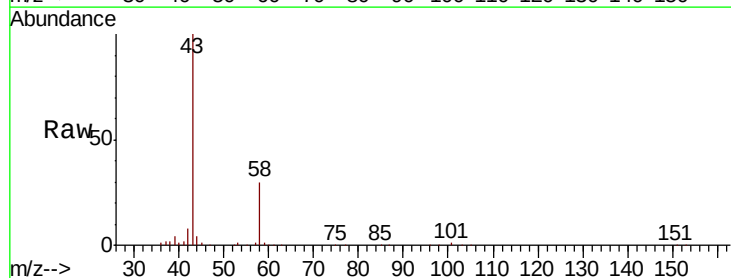
RT: 2.32 min Scan# 539

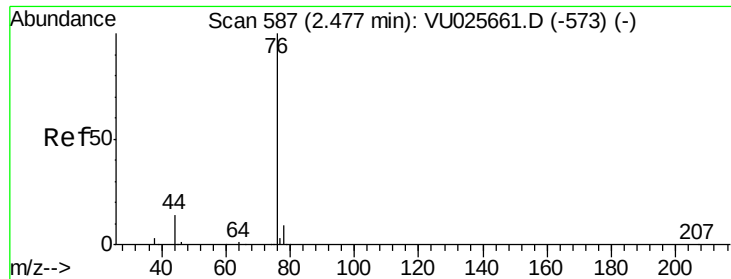
Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Tgt Ion:	43	Resp:	124416
Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.1	34.7





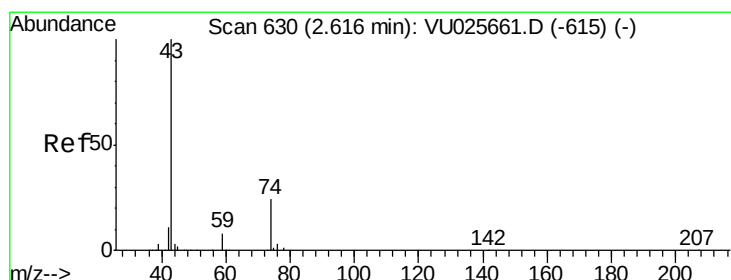
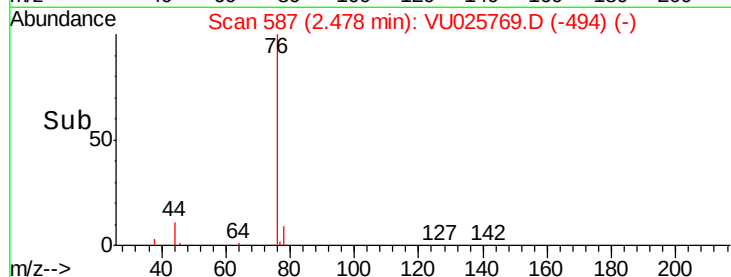
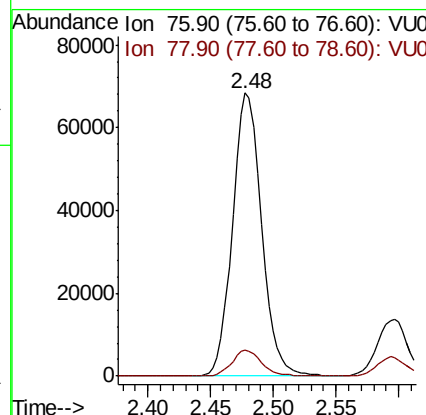
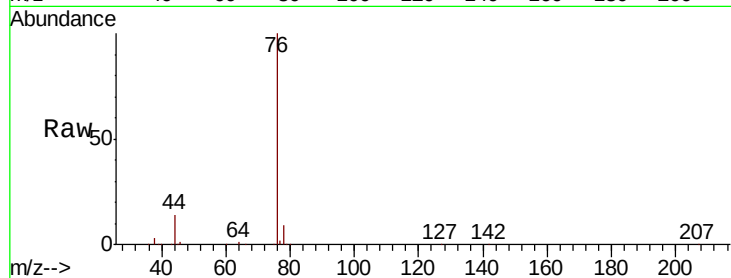
#17
Carbon Disulfide
Concen: 18.191 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

Tot Ion	Ratio	Resp	Lower	Upper
76	100	110066		
78	9.4		7.4	11.2

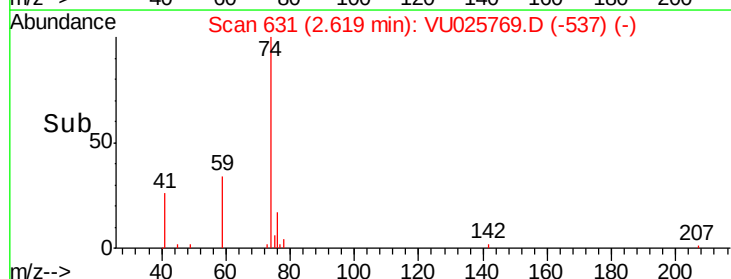
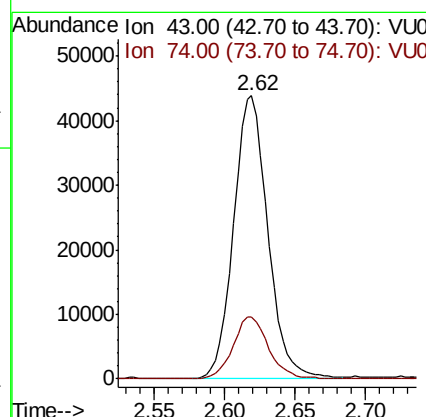
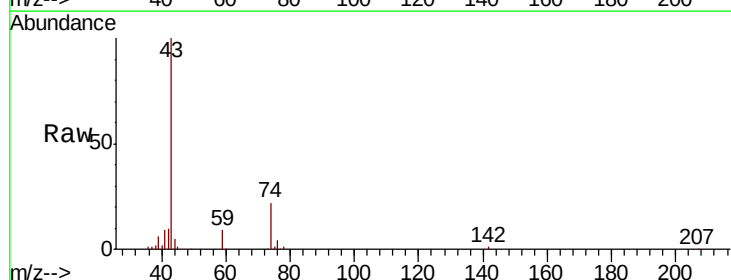
Manual Integrations
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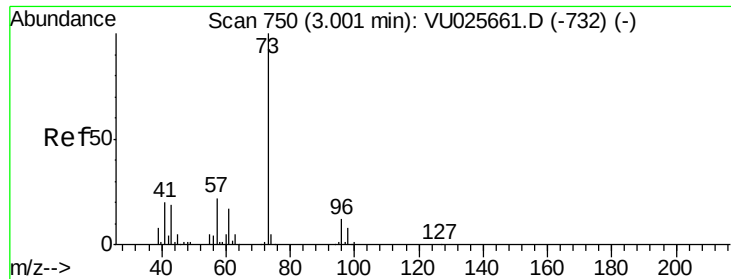
MMDadoda
8/2/2018 9:41:43 AM



#18
Methyl Acetate
Concen: 23.455 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	74669		
74	22.8		18.5	27.7





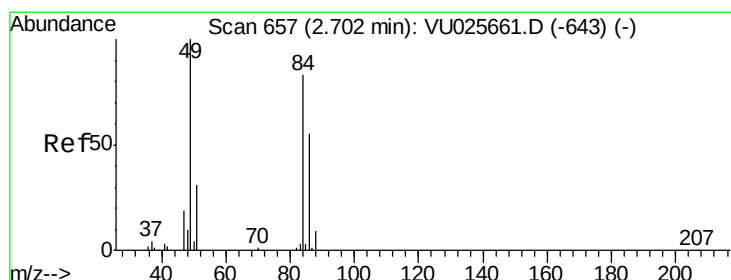
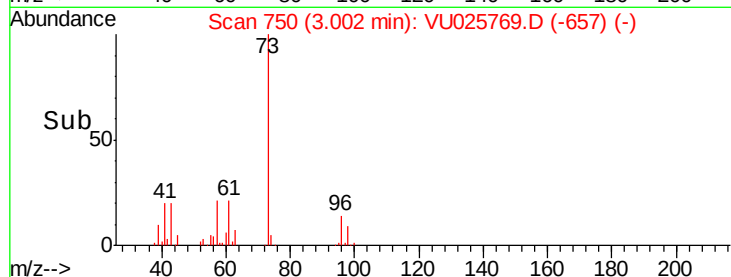
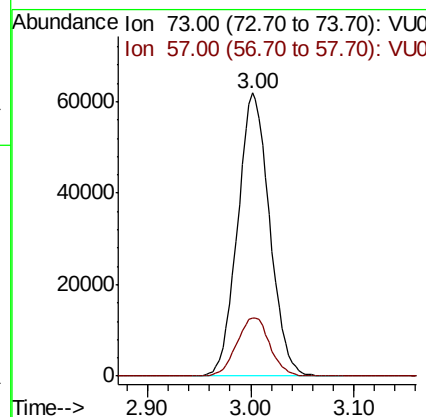
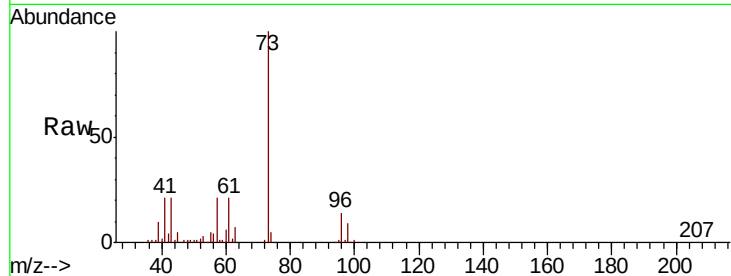
#19
Methyl tert-butyl Ether
Concen: 19.703 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

Tot Ion	73	Resp	133482
Ion Ratio	Lower	Upper	
73	100		
57	20.5	17.4	26.2

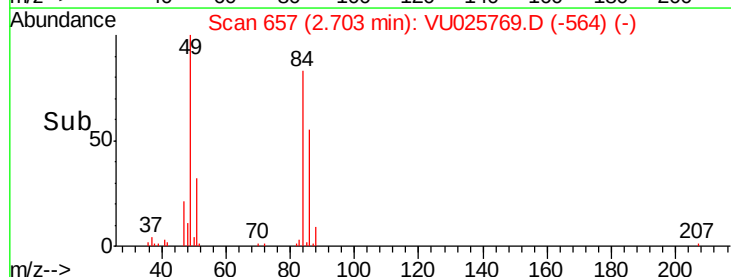
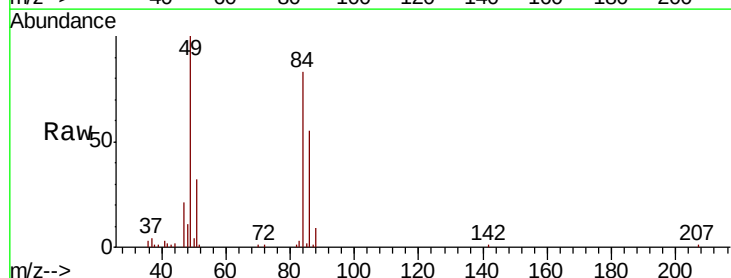
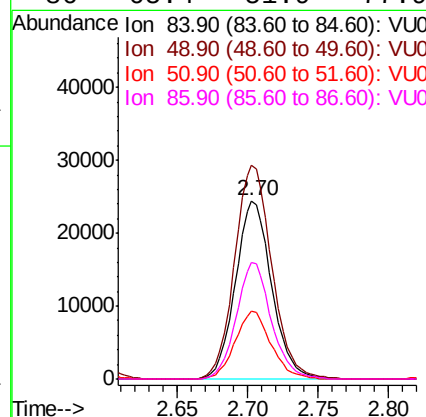
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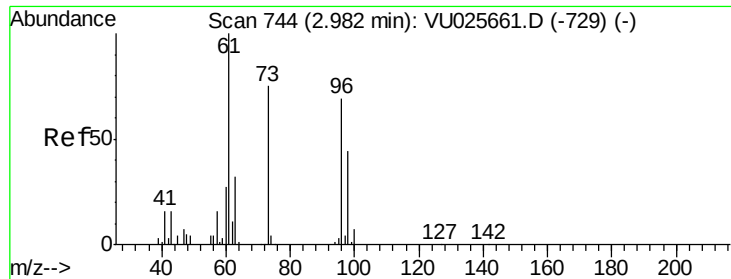
MMDadoda
8/2/2018 9:41:43 AM



#20
Methylene Chloride
Concen: 18.755 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	84	Resp	43963
Ion Ratio	Lower	Upper	
84	100		
49	119.8	101.8	152.6
51	37.9	30.8	46.2
86	65.4	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 19.207 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

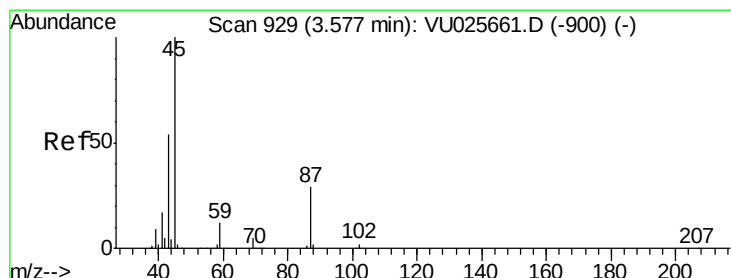
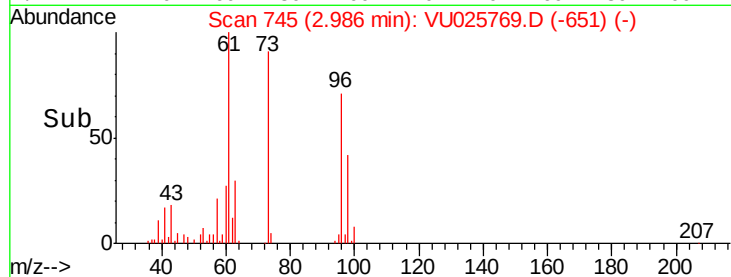
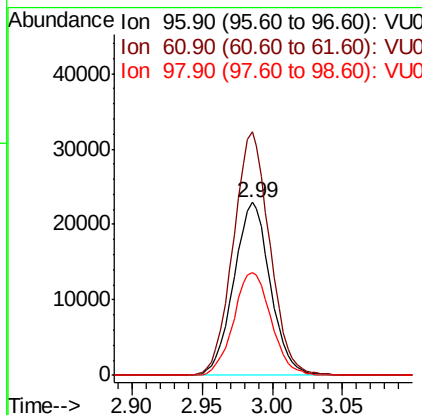
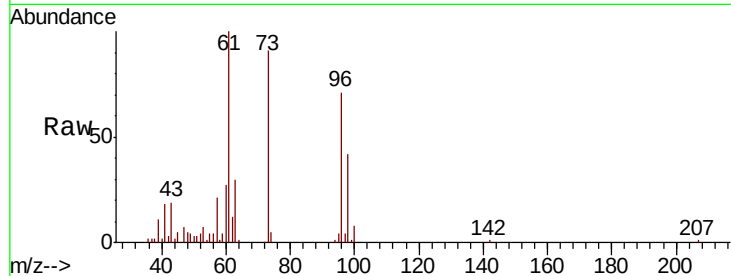
ClientSampleId :

VU0801MBS02

Tot Ion:	96	Resp:	41510
Ion	Ratio	Lower	Upper
96	100		
61	141.0	114.5	171.7
98	59.9	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.715 ug/l

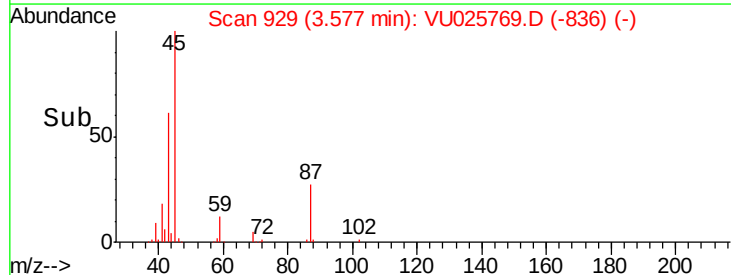
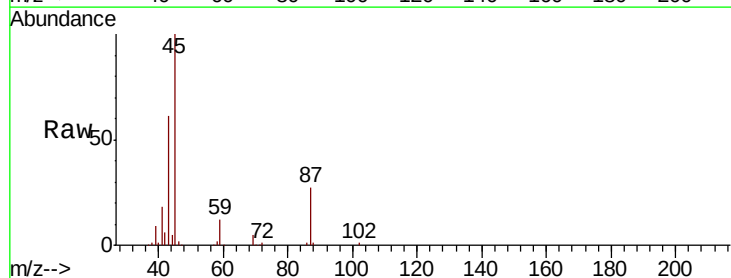
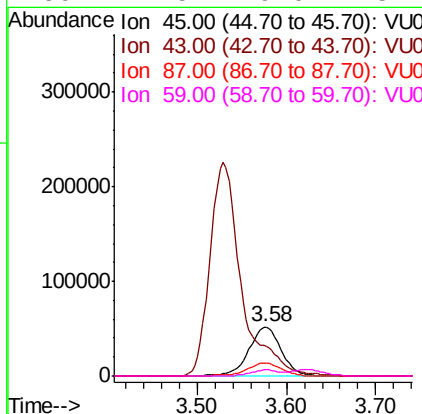
RT: 3.58 min Scan# 929

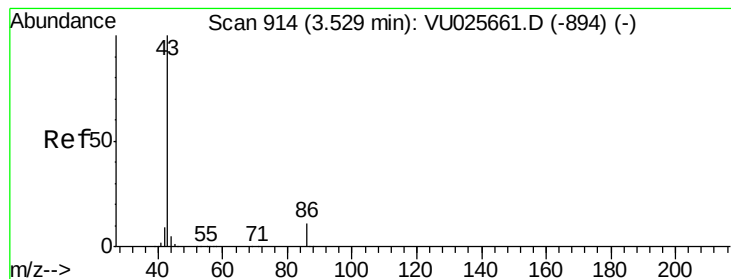
Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Tgt Ion:	45	Resp:	130526
Ion	Ratio	Lower	Upper
45	100		
43	59.3	50.9	76.3
87	27.4	23.8	35.8
59	12.5	9.0	13.4





#23

Vinyl Acetate

Concen: 96.221 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS02

Tot Ion: 43 Resp: 555162

Ion Ratio Lower Upper

43 100

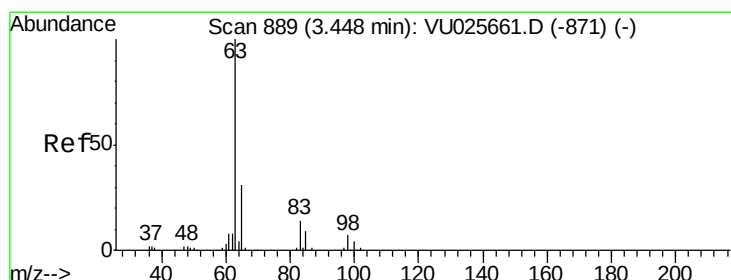
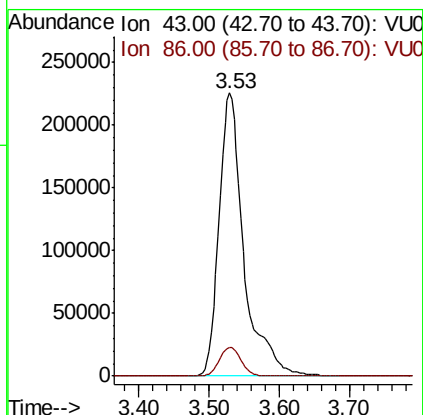
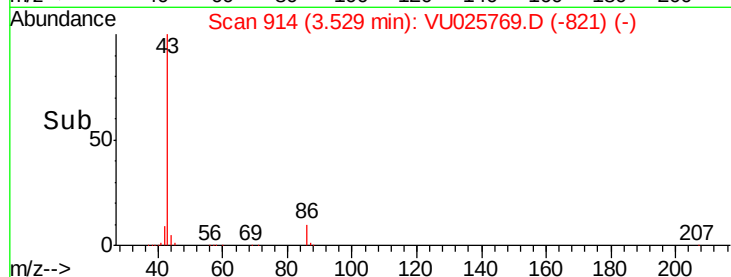
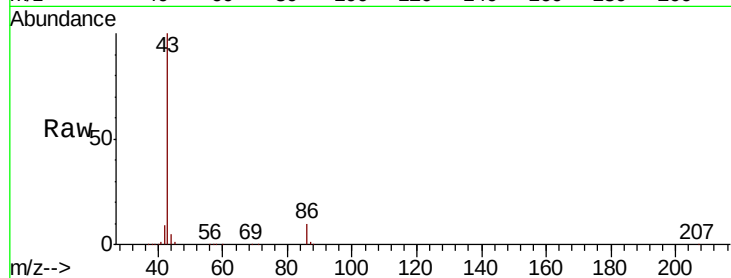
86 10.1 8.2 12.2

Manual Integrations

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MMDadoda

8/2/2018 9:41:43 AM



#24

1,1-Dichloroethane

Concen: 19.819 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

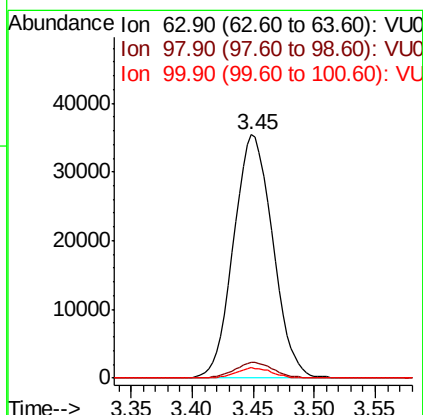
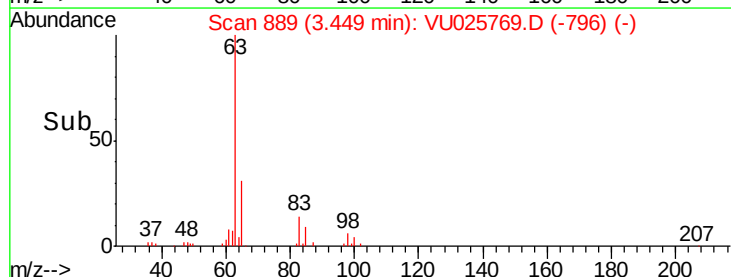
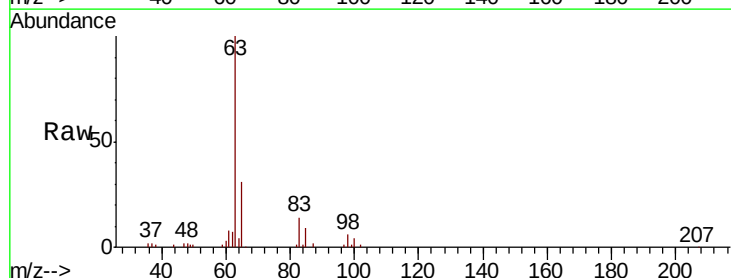
Tgt Ion: 63 Resp: 78764

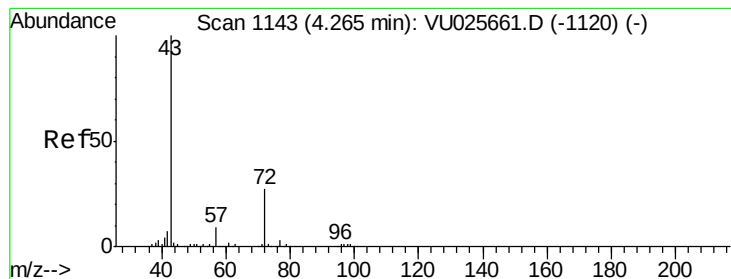
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 98.497 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS02

Tot Ion: 43 Resp: 177347

Ion Ratio Lower Upper

43 100

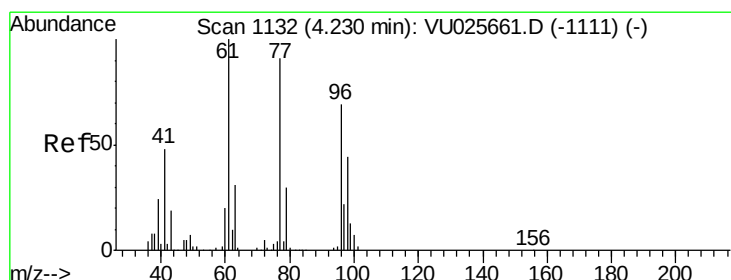
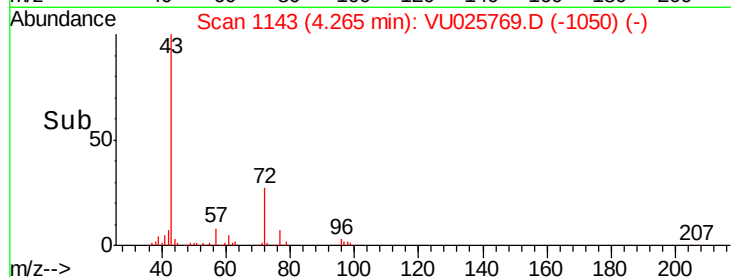
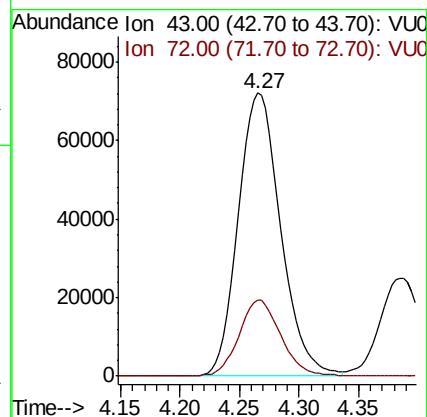
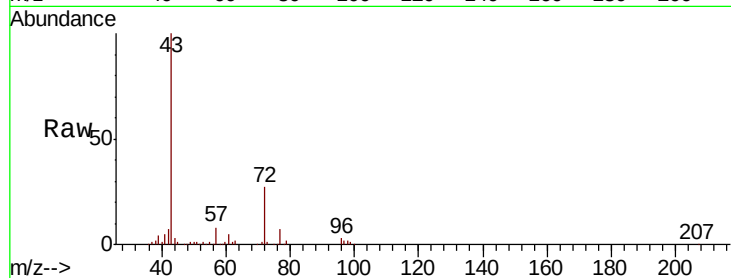
72 26.9 21.0 31.4

Manual Integrations

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MMDadoda

8/2/2018 9:41:43 AM



#26

2,2-Dichloropropane

Concen: 19.704 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025769.D

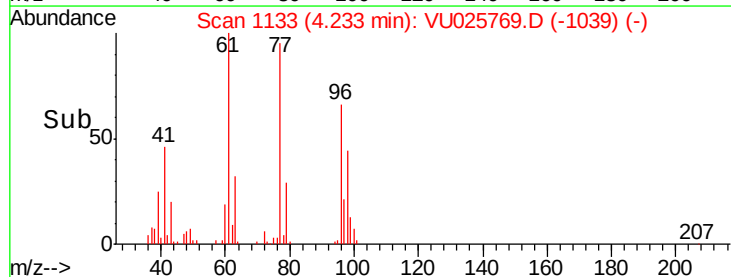
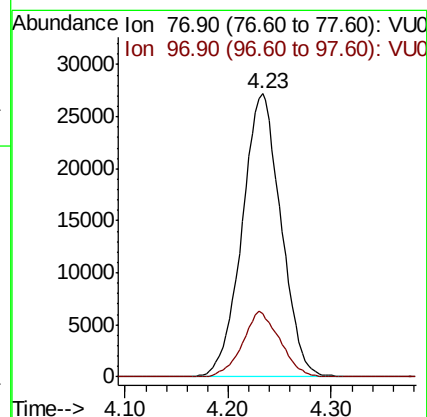
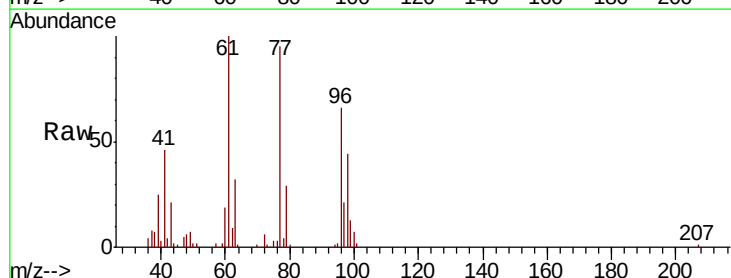
Acq: 01 Aug 2018 12:07

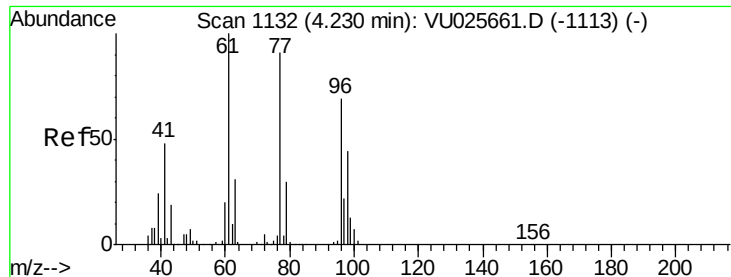
Tgt Ion: 77 Resp: 71177

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.5





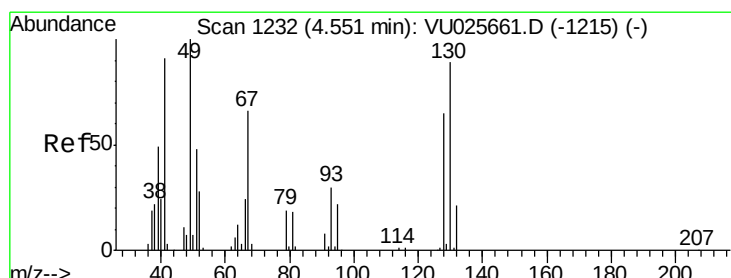
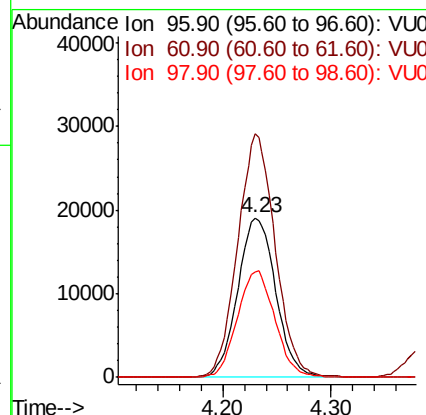
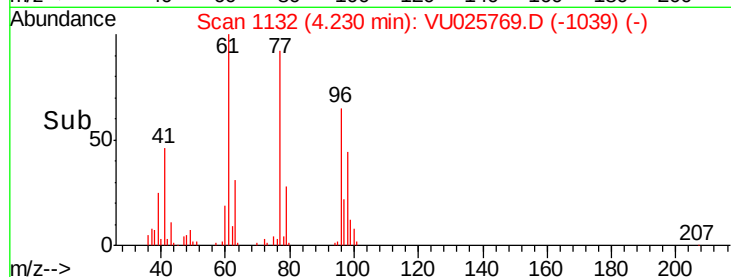
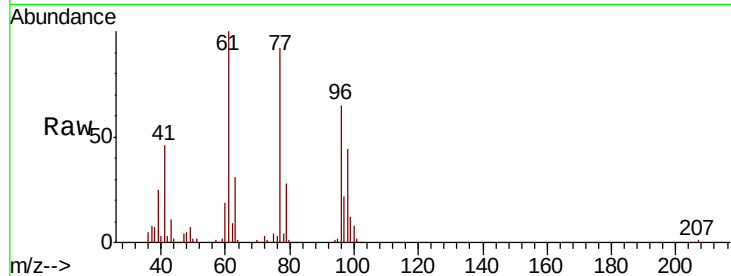
#27
 cis-1,2-Dichloroethene
 Concen: 19.231 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.8	0.0	299.8	
98	65.7	0.0	128.6	

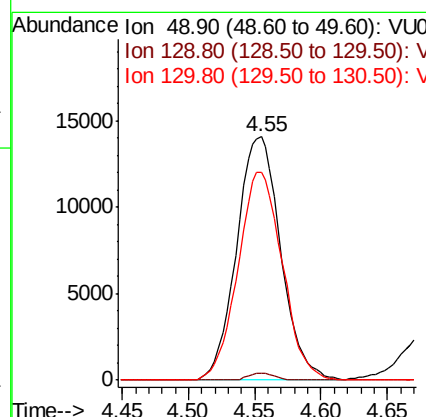
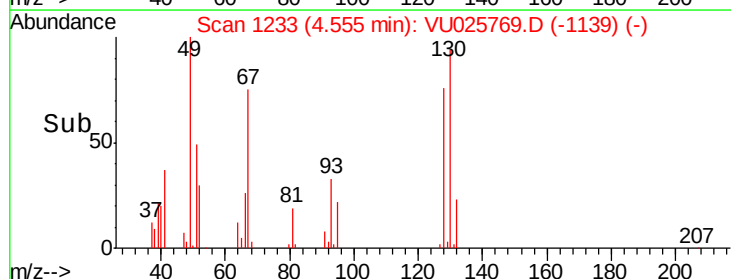
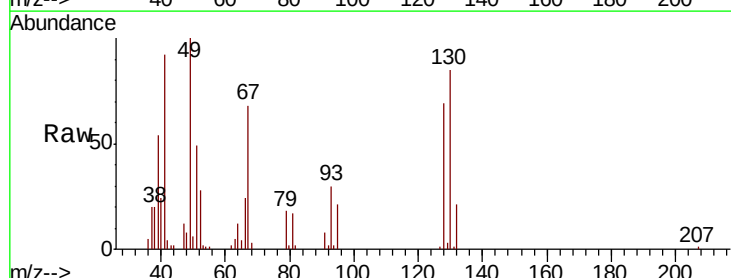
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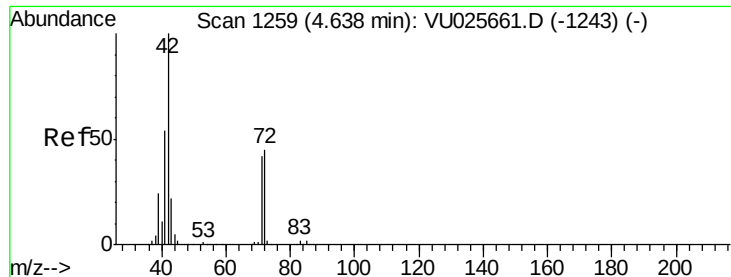
MMDadoda
 8/2/2018 9:41:43 AM



#28
 Bromochloromethane
 Concen: 18.352 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	4.6	
130	85.9	68.6	102.8	





#29

Tetrahydrofuran

Concen: 99.223 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

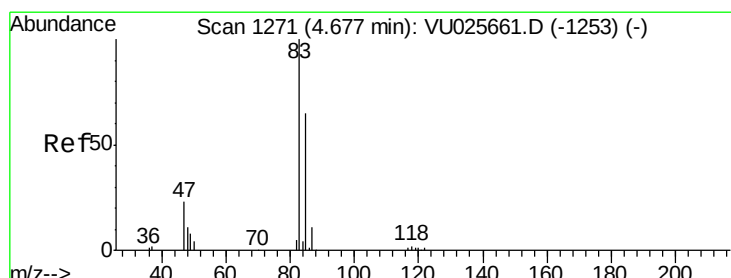
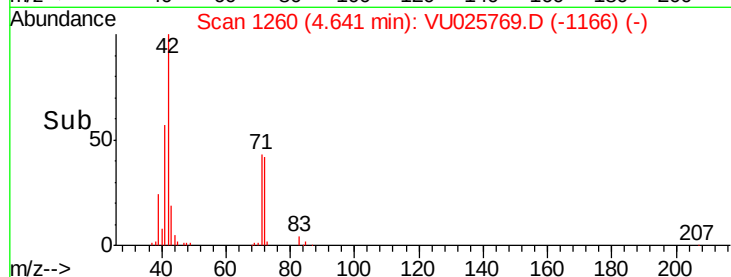
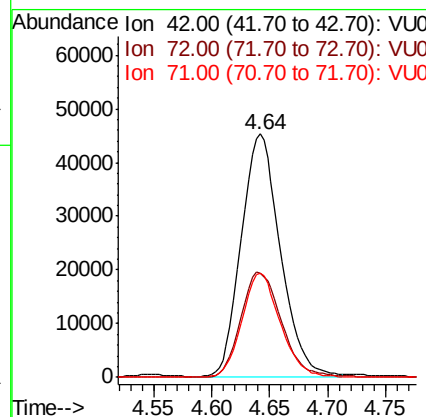
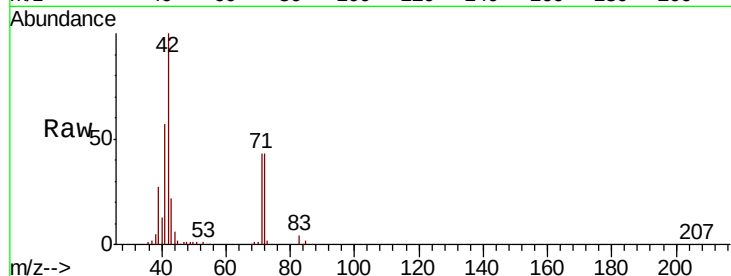
ClientSampleId :

VU0801MBS02

Tot Ion:	42	Resp:	107033
Ion	Ratio	Lower	Upper
42	100		
72	44.4	36.7	55.1
71	41.8	33.9	50.9

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#30

Chloroform

Concen: 19.414 ug/l

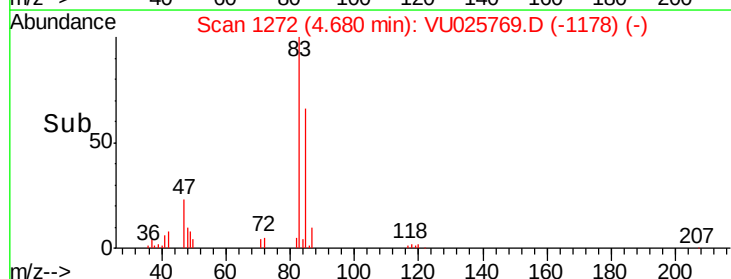
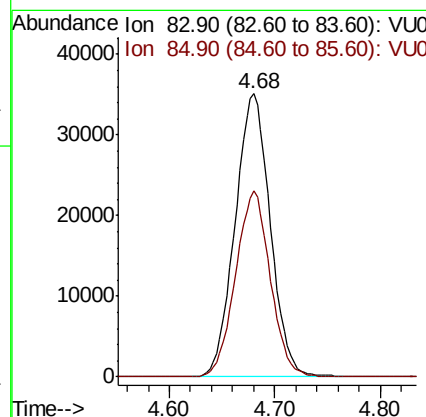
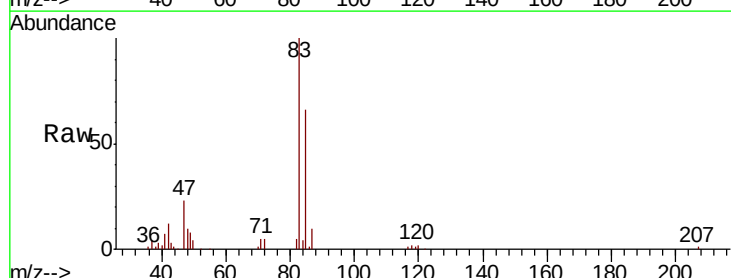
RT: 4.68 min Scan# 1272

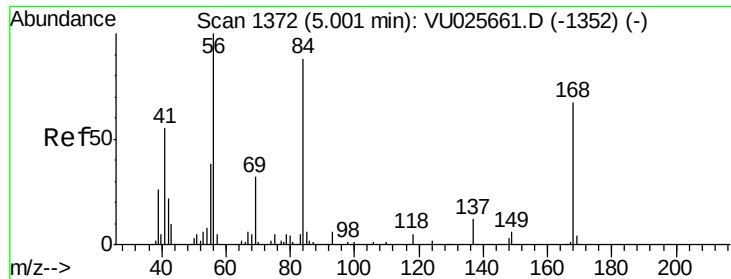
Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Tgt Ion:	83	Resp:	81439
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3





#31

Cyclohexane

Concen: 18.816 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

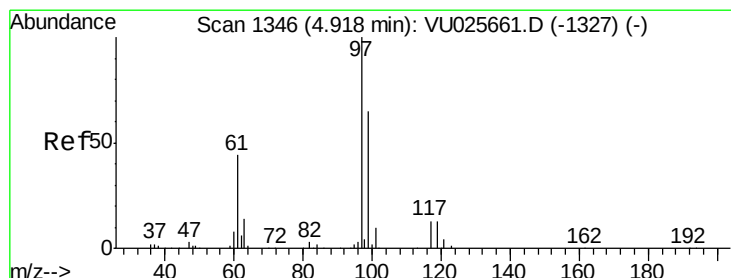
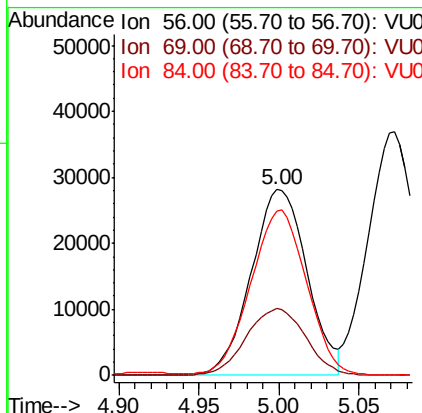
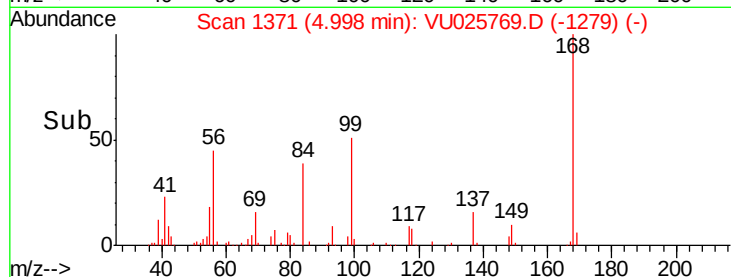
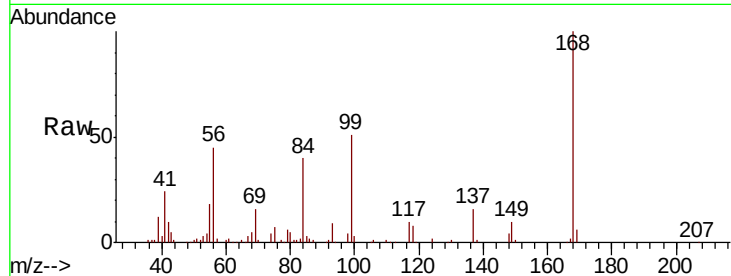
ClientSampleId :

VU0801MBS02

Tot Ion:	56	Resp:	67965
Ion	Ratio	Lower	Upper
56	100		
69	35.7	26.8	40.2
84	88.0	69.7	104.5

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#32

1,1,1-Trichloroethane

Concen: 20.147 ug/l

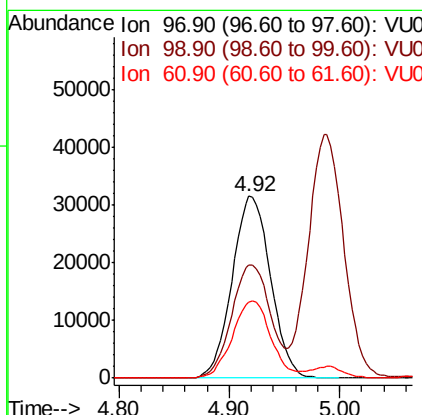
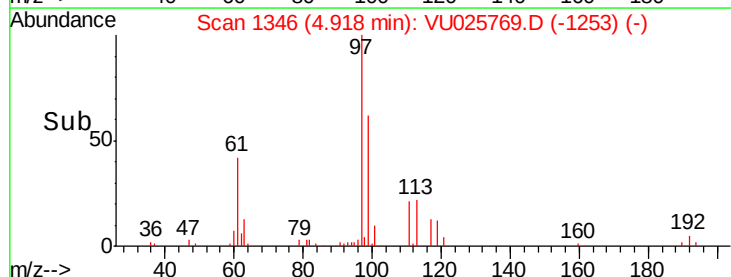
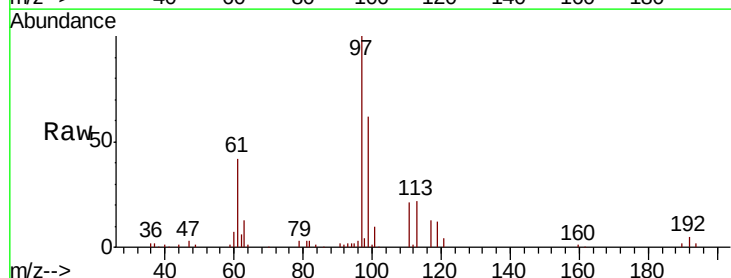
RT: 4.92 min Scan# 1346

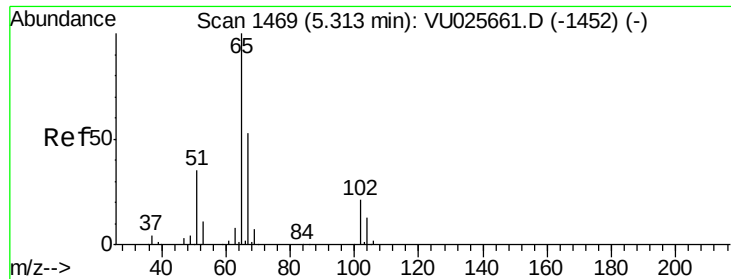
Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Tgt Ion:	97	Resp:	76090
Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.8	76.2
61	42.5	35.2	52.8





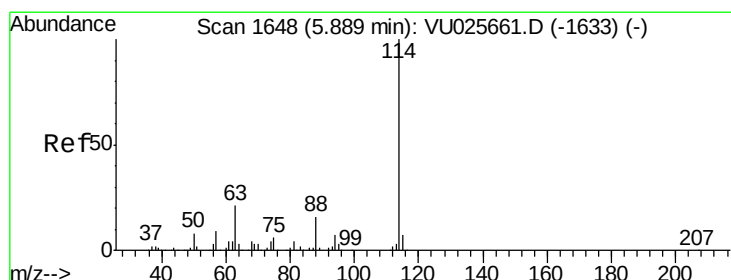
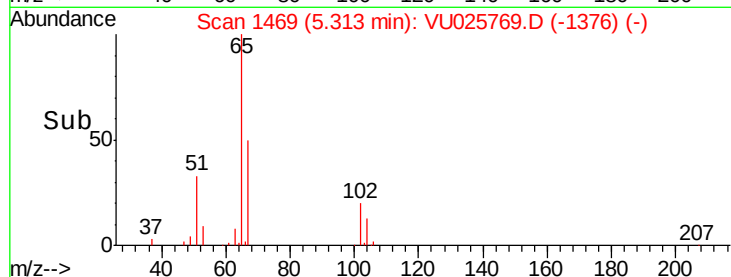
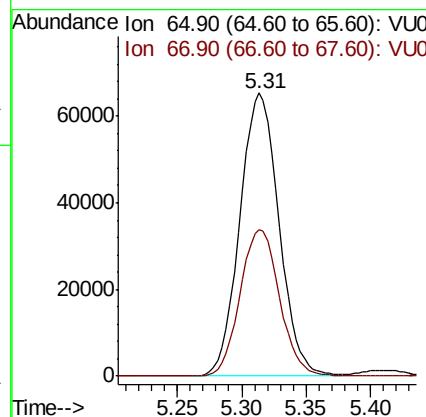
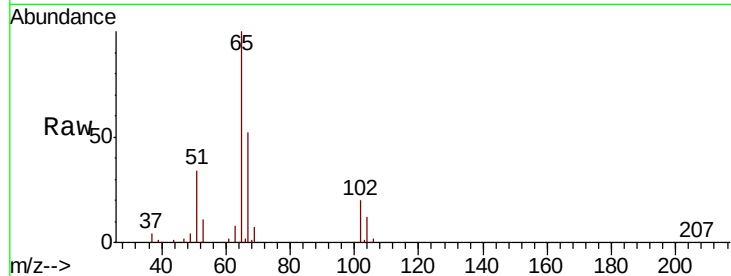
#33
 1,2-Dichloroethane-d4
 Concen: 50.891 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.6

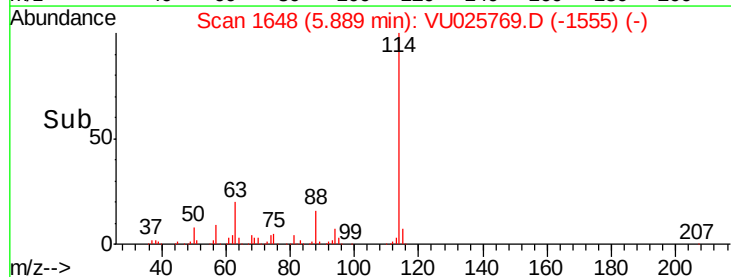
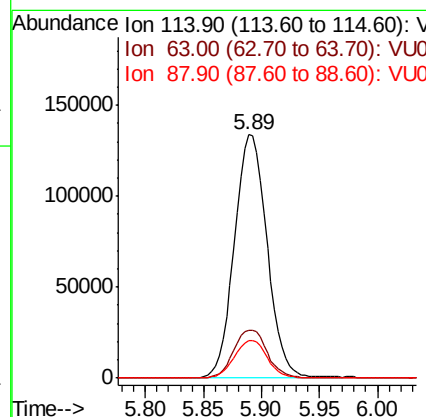
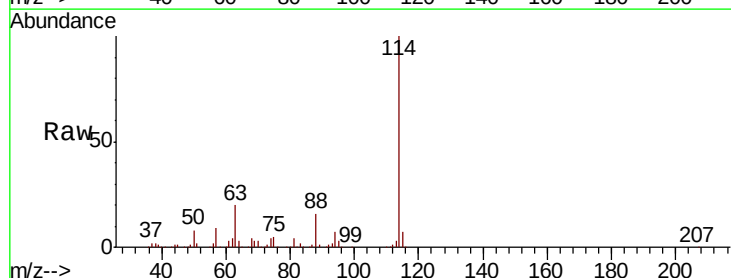
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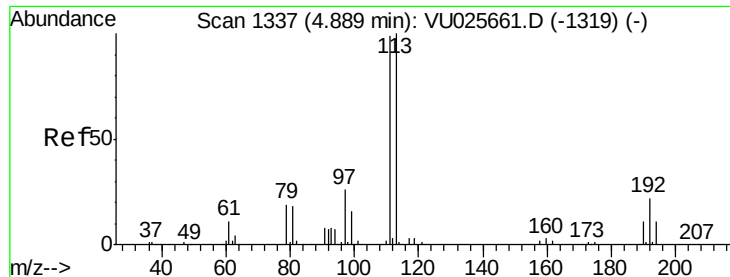
MMDadoda
 8/2/2018 9:41:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.6
88	15.6	0.0	32.4





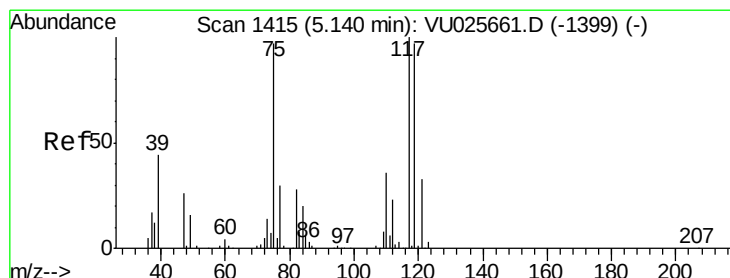
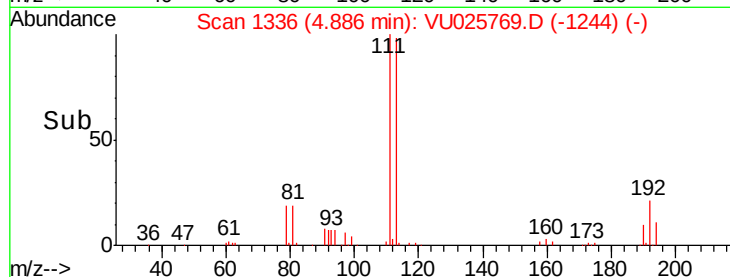
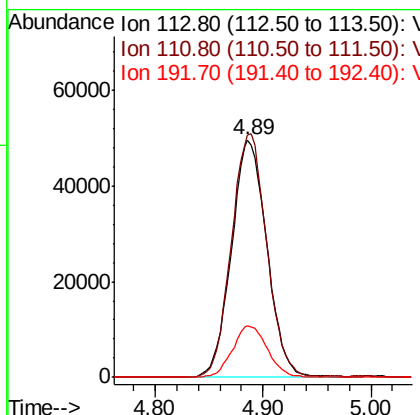
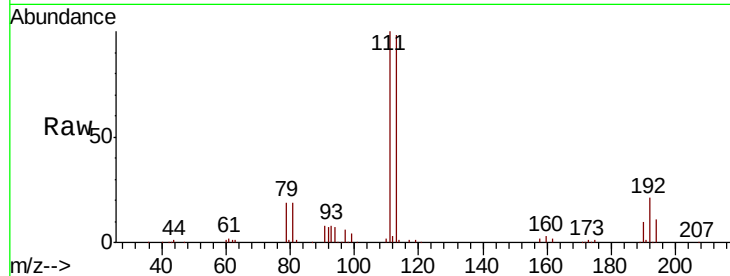
#35
 Dibromofluoromethane
 Concen: 49.518 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.7	122.5
192	21.4	17.1	25.7

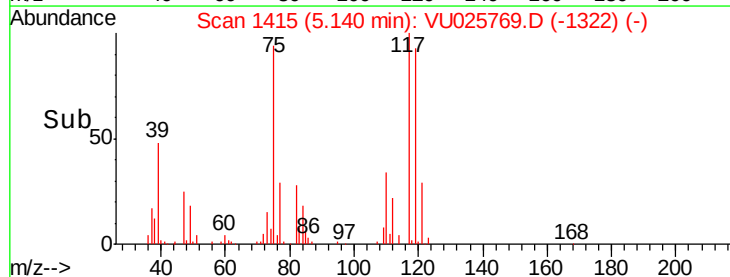
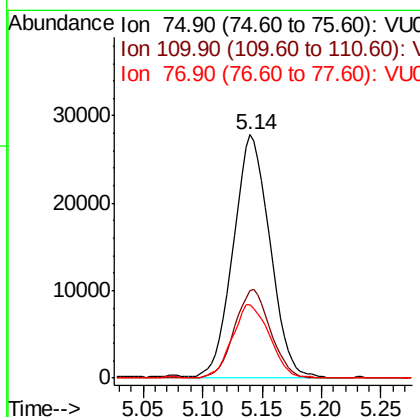
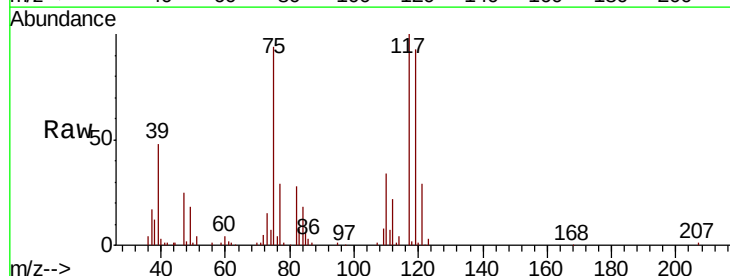
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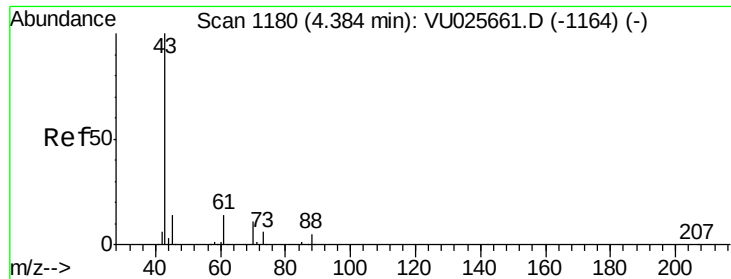
MMDadoda
 8/2/2018 9:41:43 AM



#36
 1,1-Dichloropropene
 Concen: 19.448 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.6	52.9
77	30.7	24.4	36.6





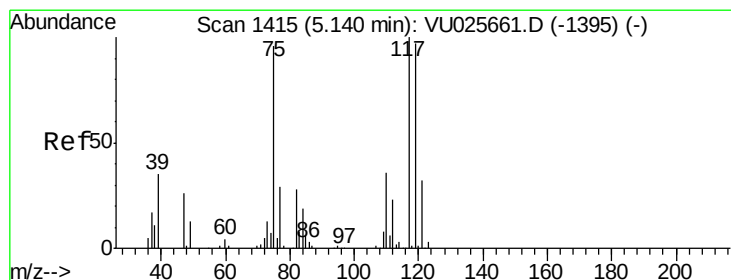
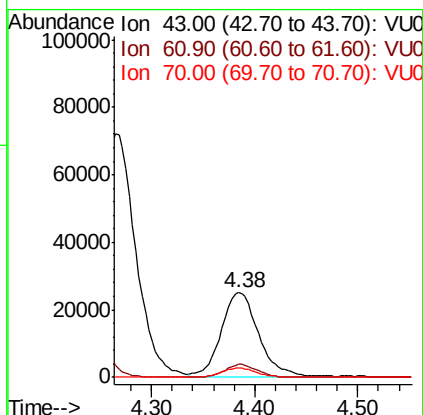
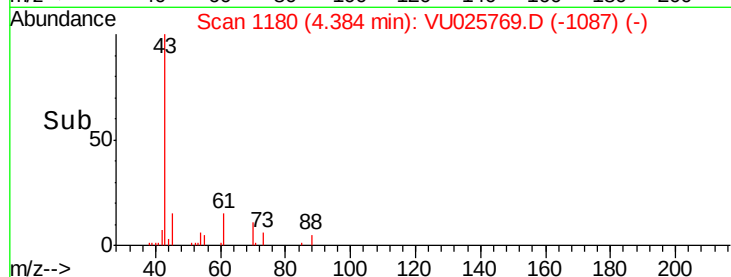
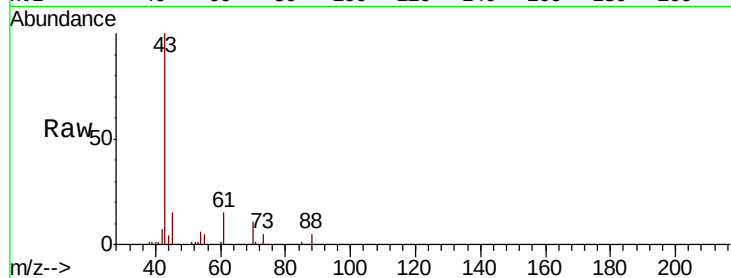
#37
Ethyl Acetate
Concen: 19.695 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.7	16.1
70	10.1	8.4	12.6

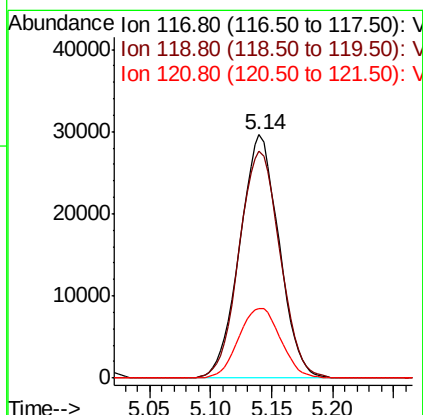
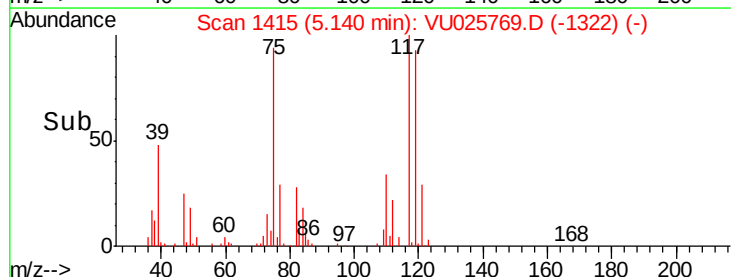
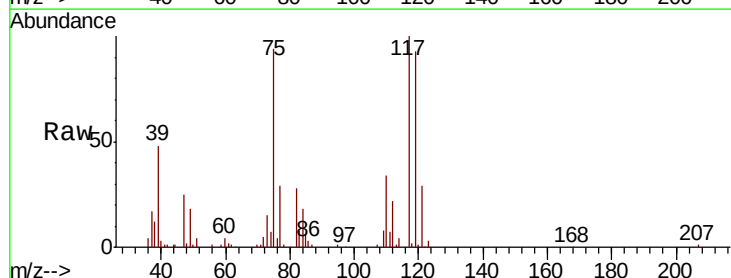
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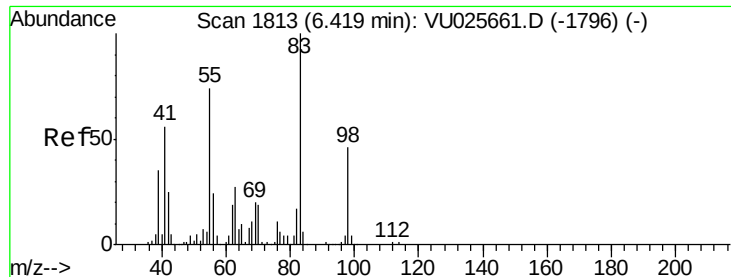
MMDadoda
8/2/2018 9:41:43 AM



#38
Carbon Tetrachloride
Concen: 18.917 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	75.7	113.5
121	28.6	24.6	36.8





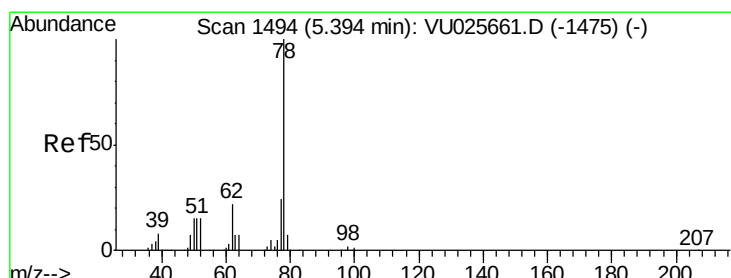
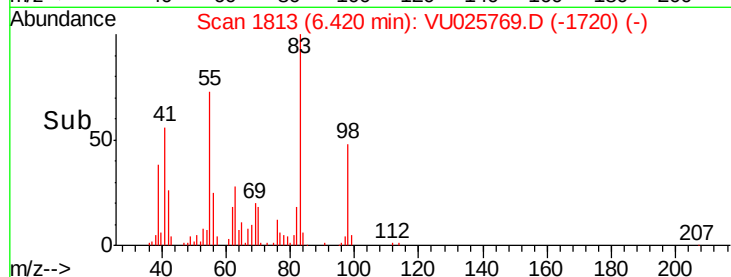
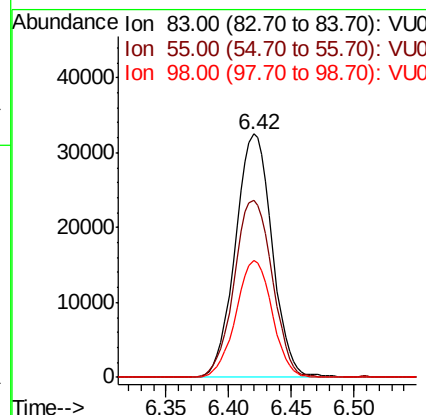
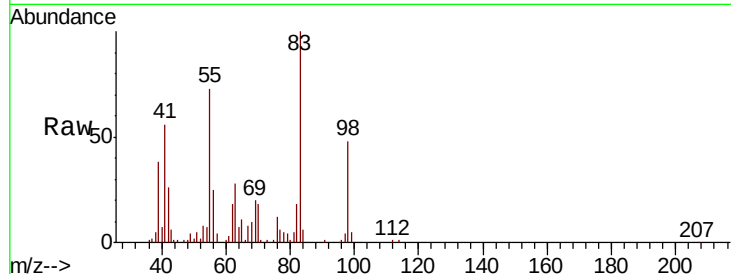
#39
Methylvlcyclohexane
Concen: 18.812 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.6	60.0	90.0
98	47.9	36.1	54.1

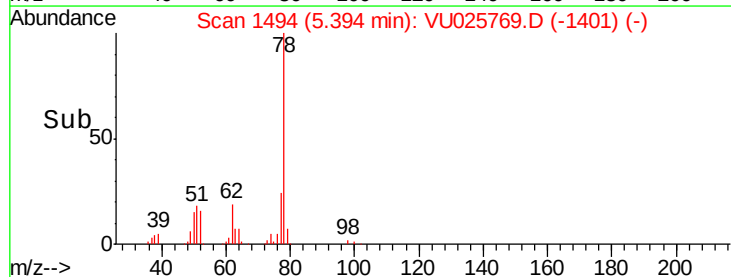
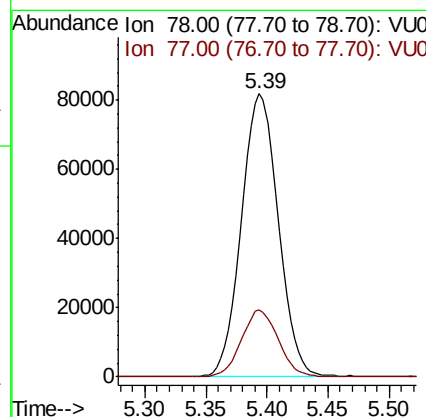
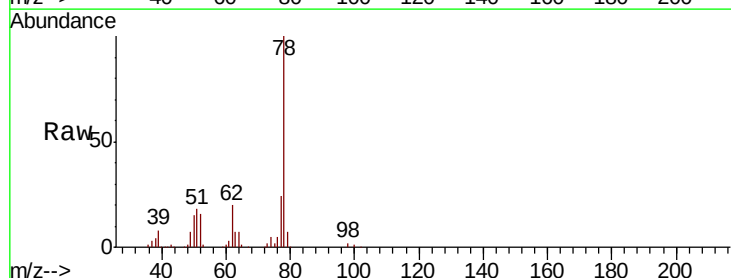
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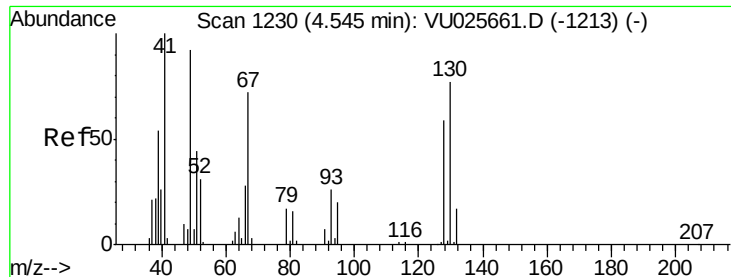
MMDadoda
8/2/2018 9:41:43 AM



#40
Benzene
Concen: 19.111 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.8	29.6





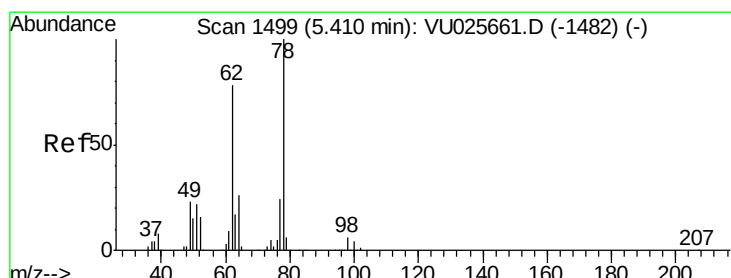
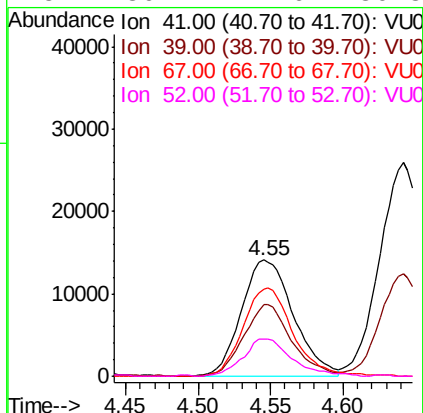
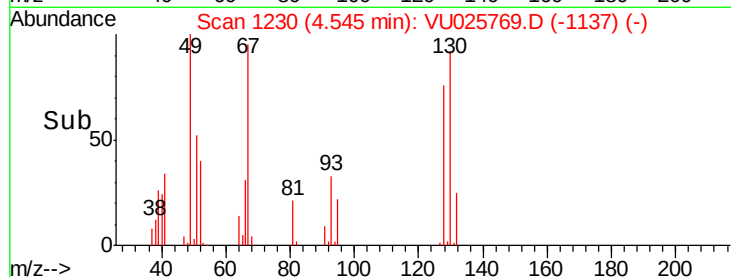
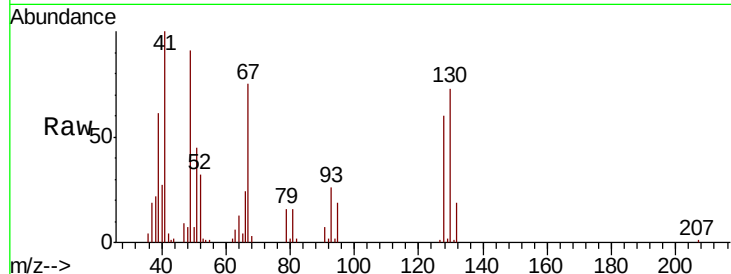
#41
Methacrylonitrile
Concen: 19.986 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		35315		
39	56.7	44.4	66.6		
67	72.2	56.0	84.0		
52	30.4	24.6	36.8		

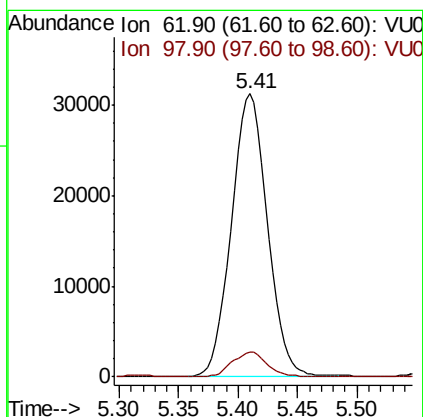
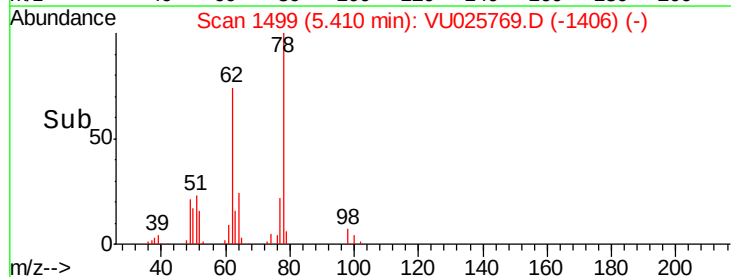
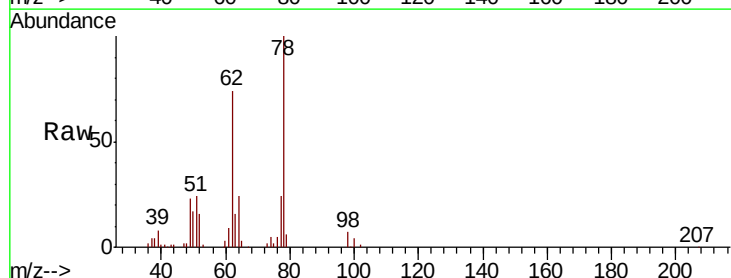
Manual Integrations
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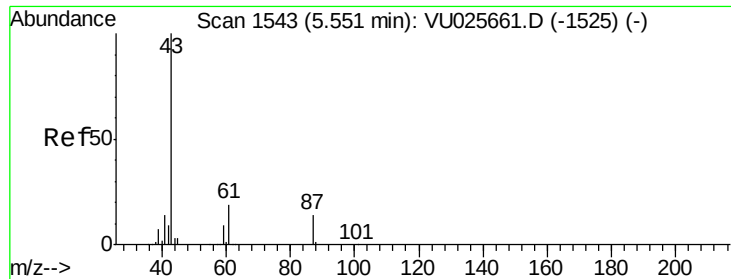
MMDadoda
8/2/2018 9:41:43 AM



#42
1,2-Dichloroethane
Concen: 19.032 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		65723		
98	8.5	0.0	16.4		





#43

Isopropyl Acetate

Concen: 19.227 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

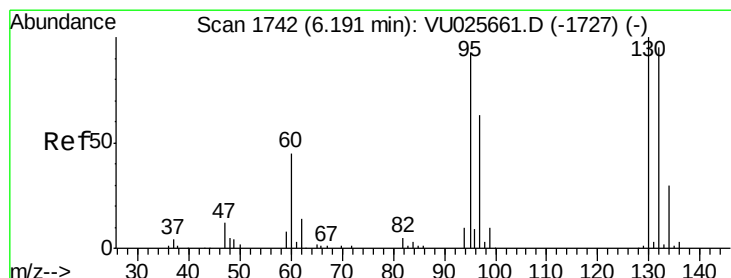
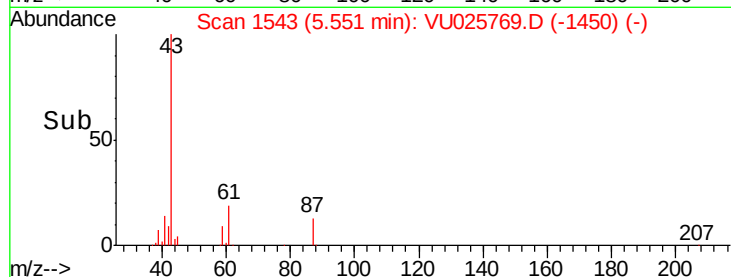
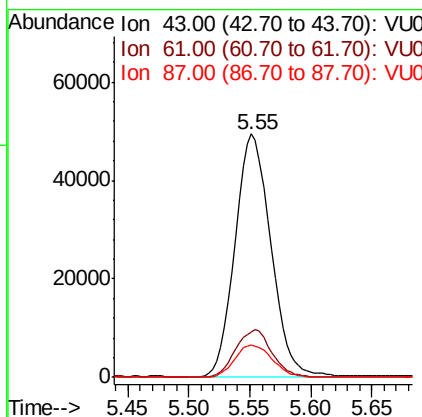
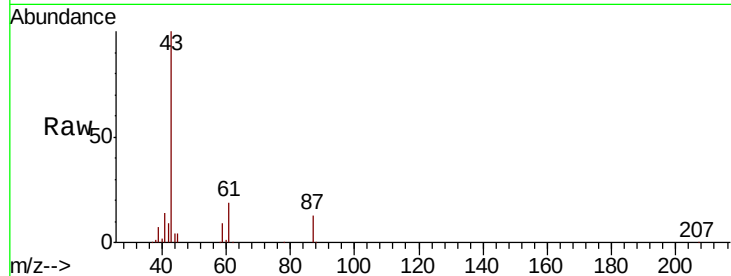
ClientSampleId :

VU0801MBS02

Tot Ion	43	Resp	101075
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.5	23.3
87	13.8	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.541 ug/l

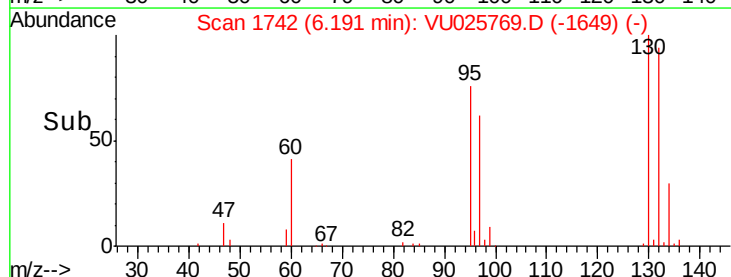
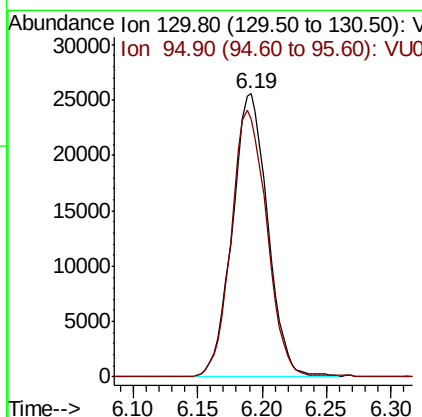
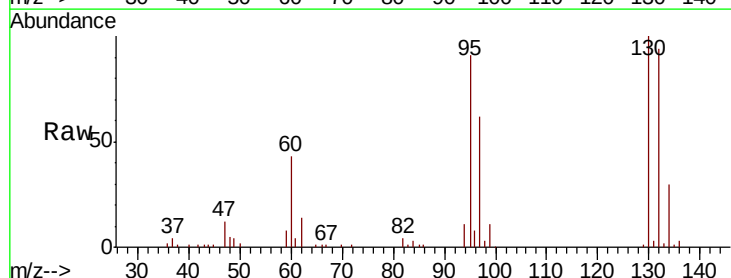
RT: 6.19 min Scan# 1742

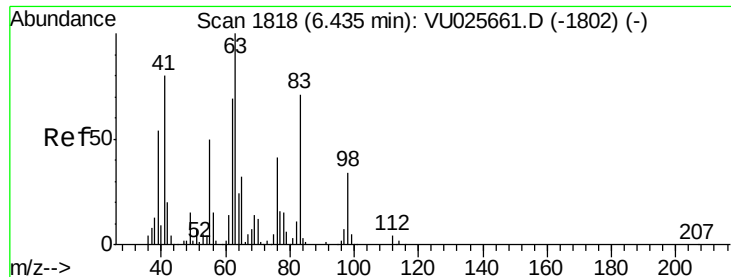
Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Tgt Ion	130	Resp	48805
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	192.2





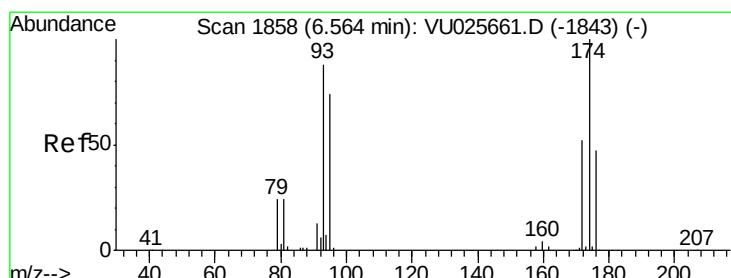
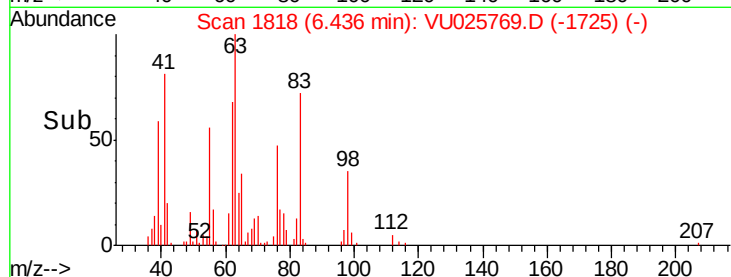
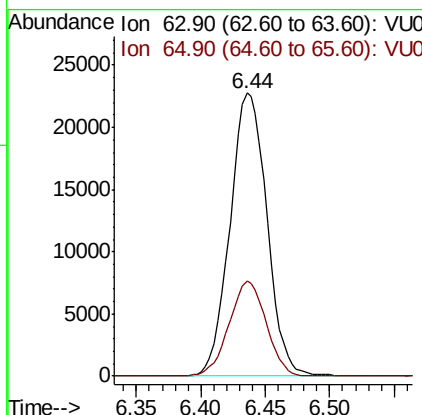
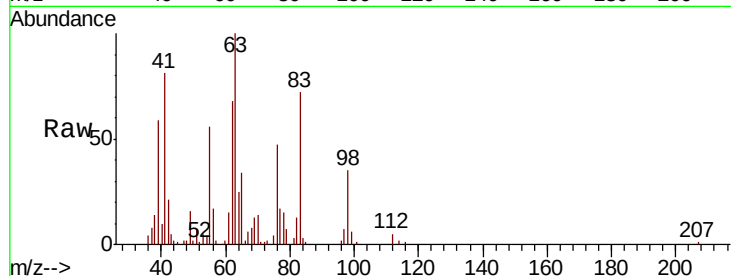
#45
 1,2-Dichloropropane
 Concen: 19.329 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampled :
 VU0801MBS02

Tot Ion: 63 Resp: 45208
 Ion Ratio Lower Upper
 63 100
 65 33.6 26.1 39.1

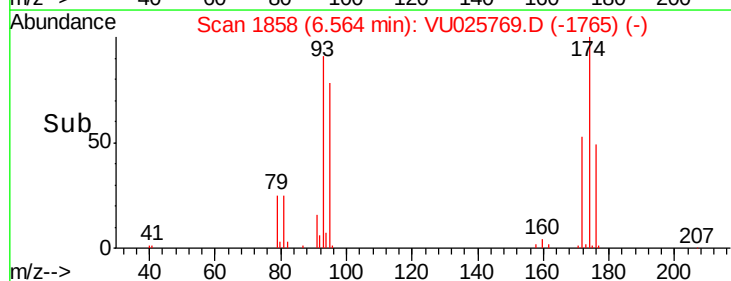
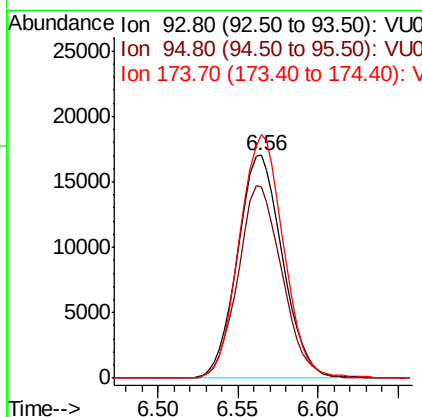
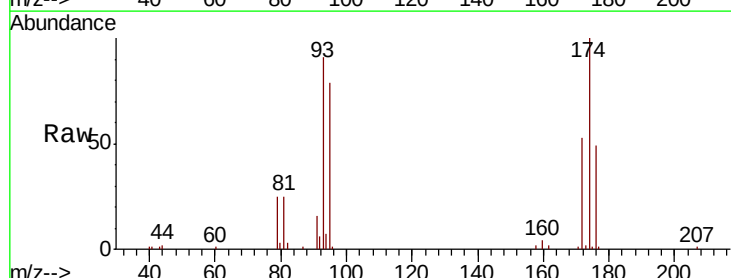
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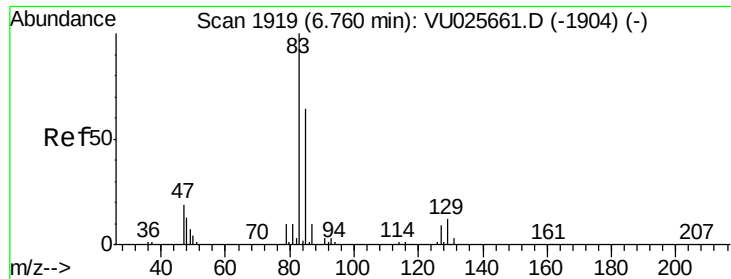
MMDadoda
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#46
 Dibromomethane
 Concen: 19.248 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion: 93 Resp: 32621
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.6 100.0
 174 107.0 85.8 128.8





#47

Bromodichloromethane

Concen: 19.117 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

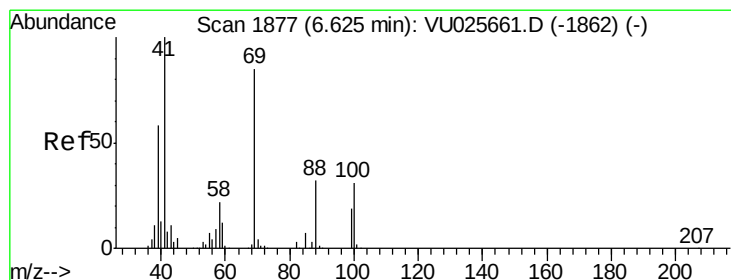
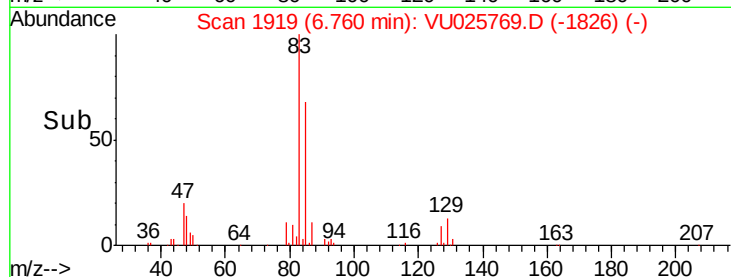
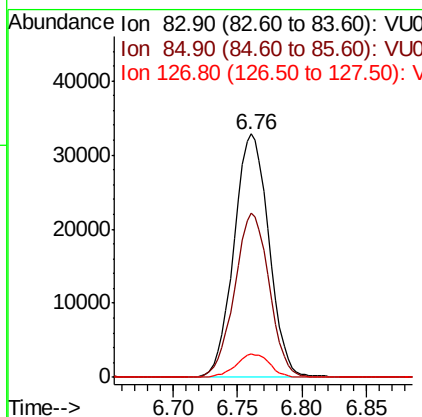
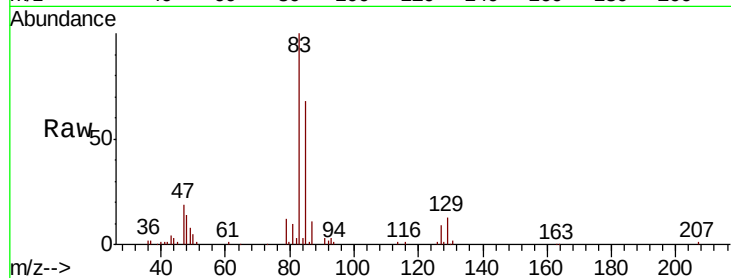
ClientSampleId :

VU0801MBS02

Tot Ion:	83	Resp:	61800
Ion	Ratio	Lower	Upper
83	100		
85	67.7	50.2	75.4
127	9.4	7.2	10.8

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#48

Methyl methacrylate

Concen: 20.223 ug/l

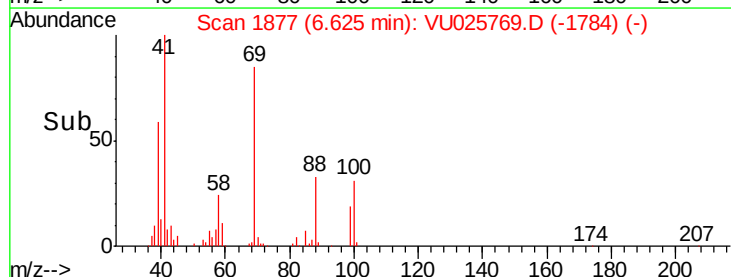
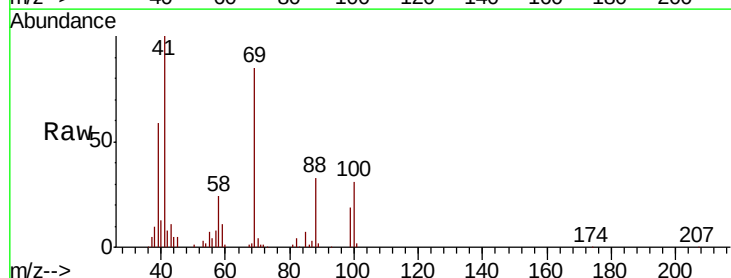
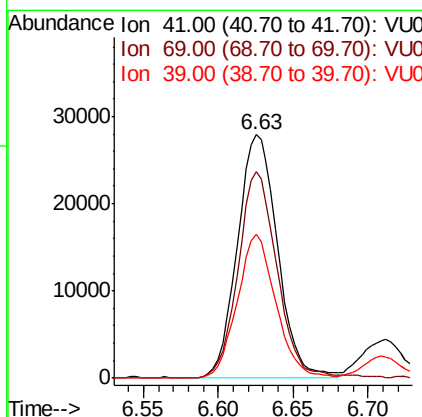
RT: 6.63 min Scan# 1877

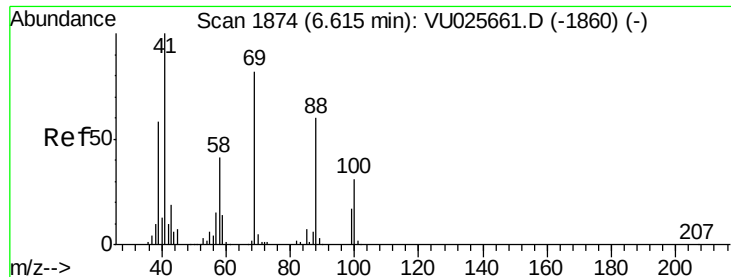
Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Tgt Ion:	41	Resp:	52107
Ion	Ratio	Lower	Upper
41	100		
69	82.0	65.0	97.4
39	56.9	46.4	69.6





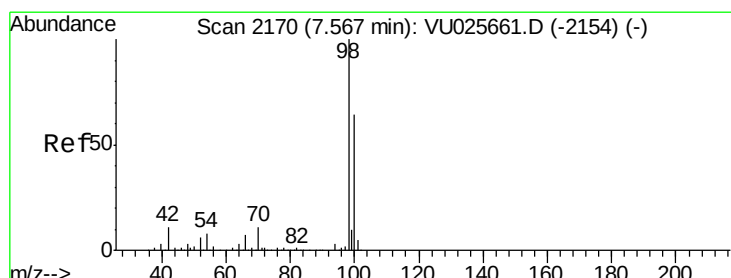
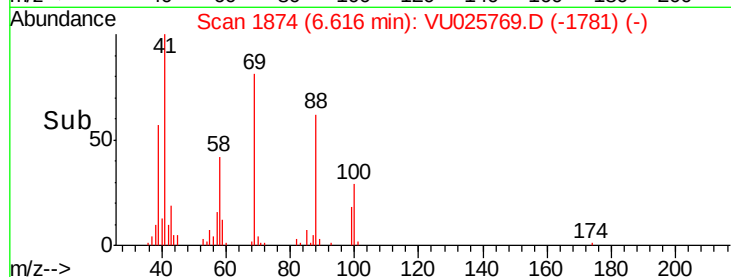
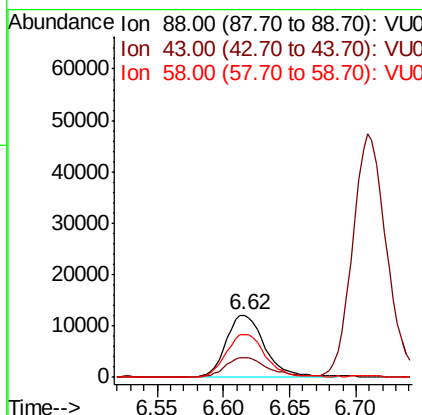
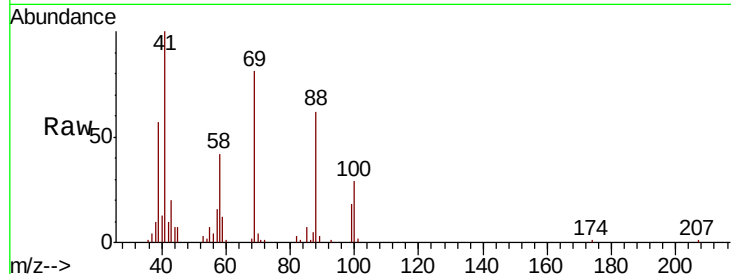
#49
1,4-Dioxane
Concen: 394.069 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	27.3	40.9
58	68.5	57.6	86.4

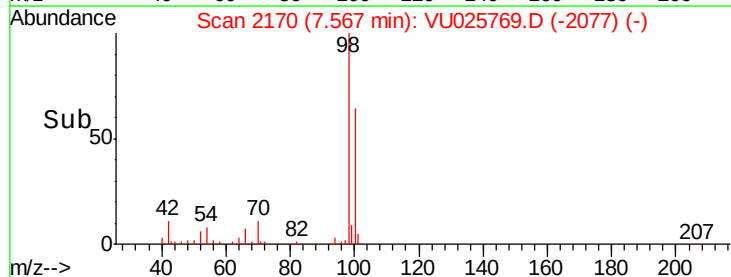
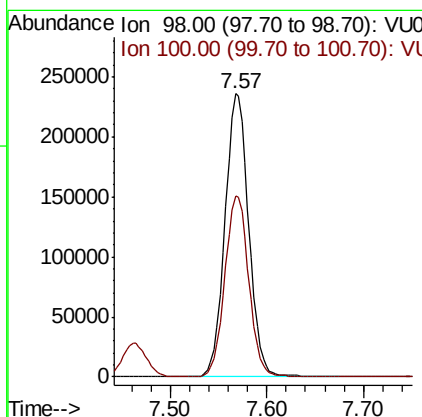
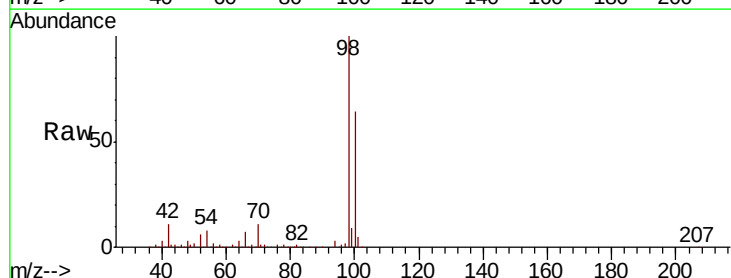
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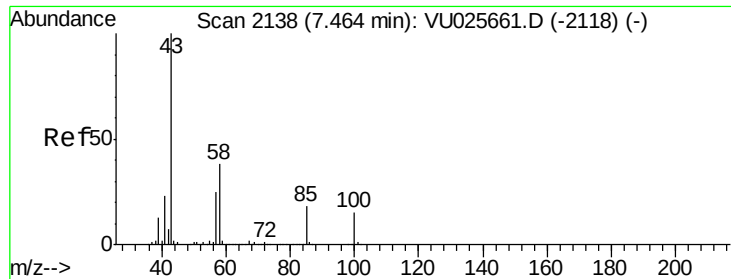
MMDadoda
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#50
Toluene-d8
Concen: 50.299 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 98.407 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS02

Tot Ion: 43 Resp: 323881

Ion Ratio Lower Upper

43 100

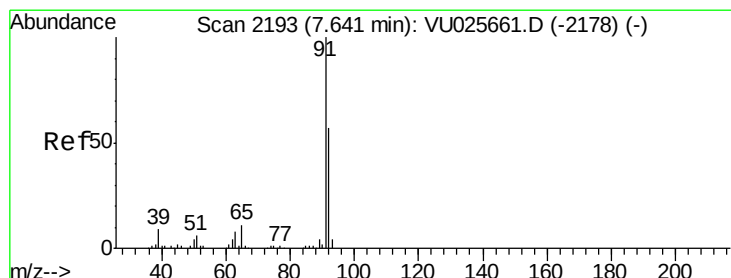
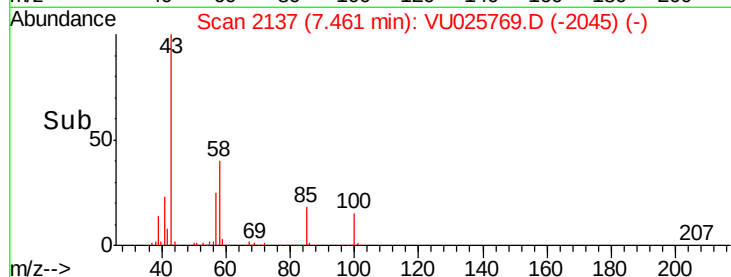
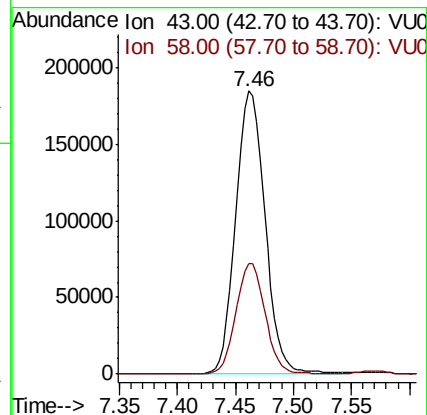
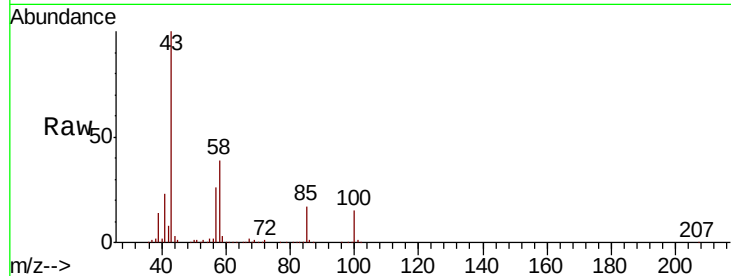
58 38.9 31.0 46.4

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#52

Toluene

Concen: 19.451 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025769.D

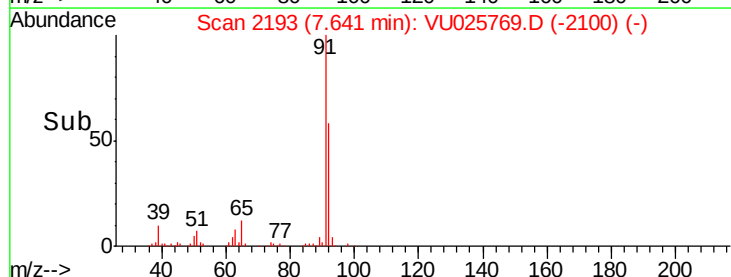
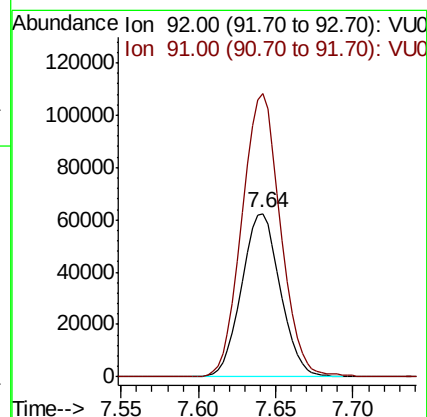
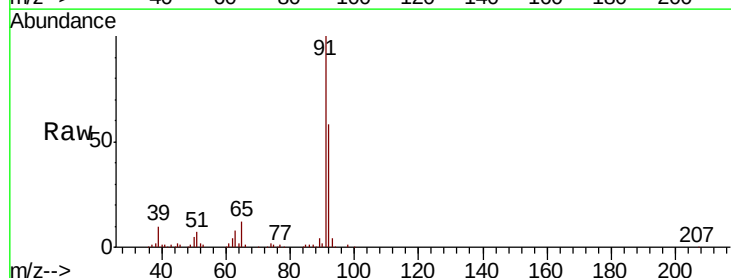
Acq: 01 Aug 2018 12:07

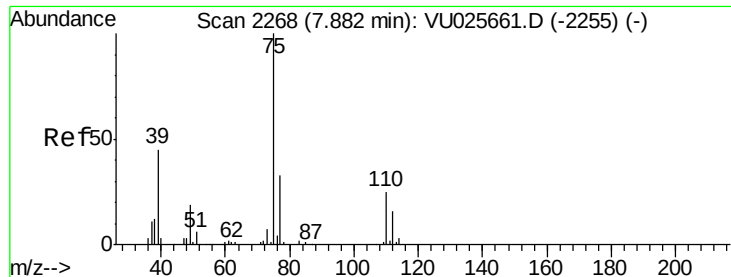
Tgt Ion: 92 Resp: 108373

Ion Ratio Lower Upper

92 100

91 173.7 139.2 208.8





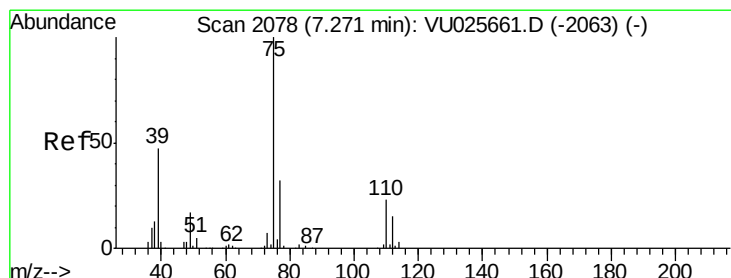
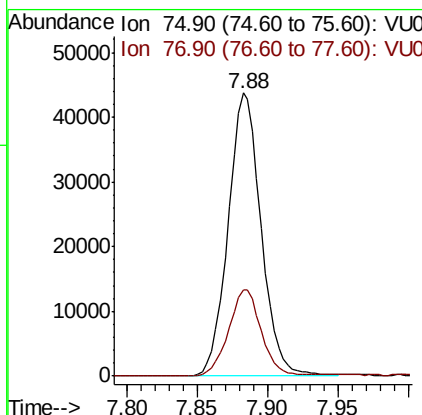
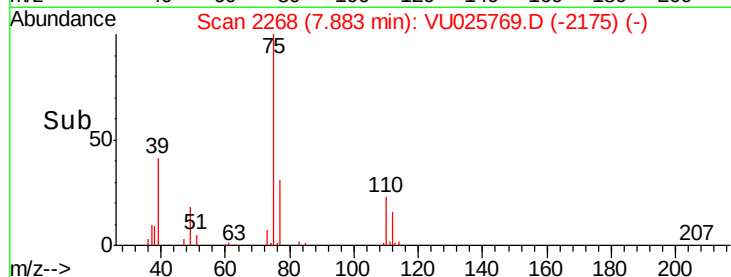
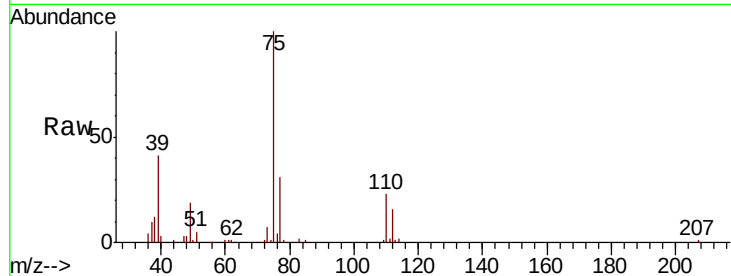
#53
 t-1,3-Dichloropropene
 Concen: 19.692 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

Tot Ion	75	Resp	71477
Ion Ratio	Lower	Upper	
75	100		
77	30.6	24.5	36.7

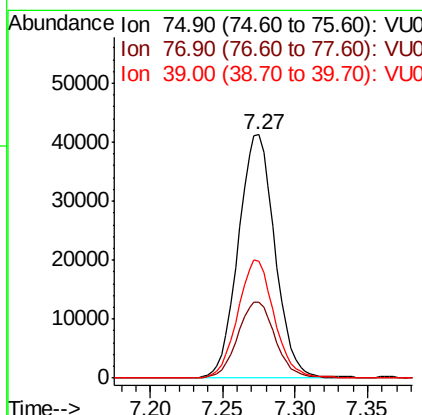
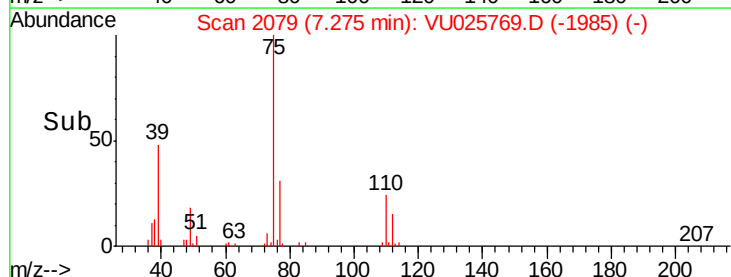
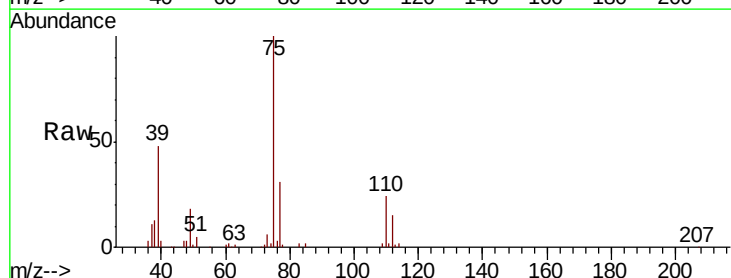
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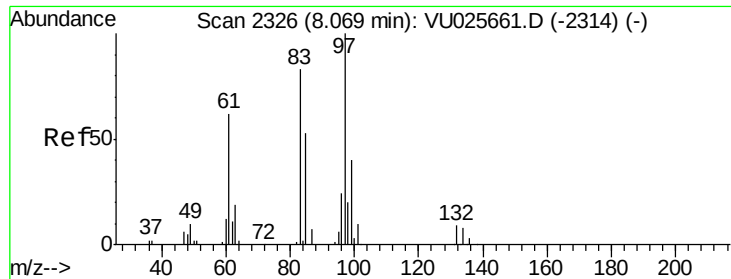
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#54
 cis-1,3-Dichloropropene
 Concen: 19.423 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	75	Resp	72421
Ion Ratio	Lower	Upper	
75	100		
77	31.2	25.6	38.4
39	48.0	40.0	60.0





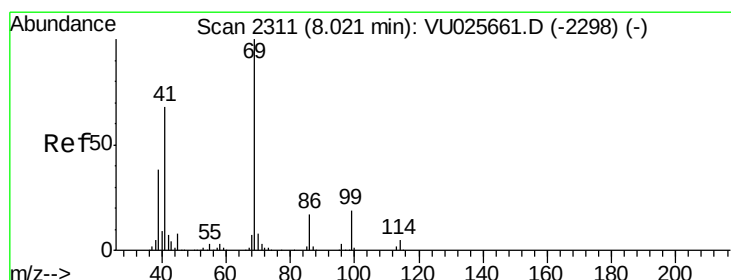
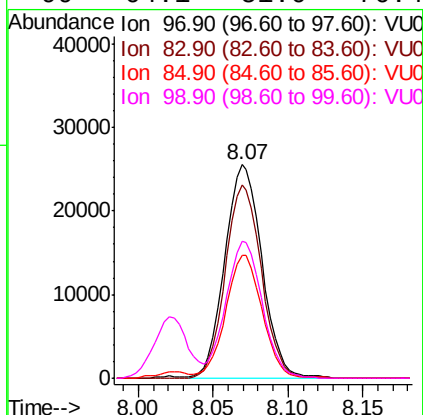
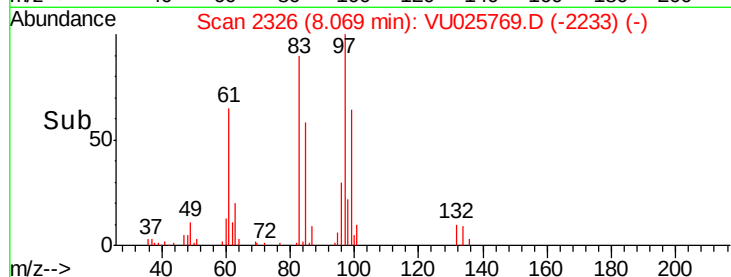
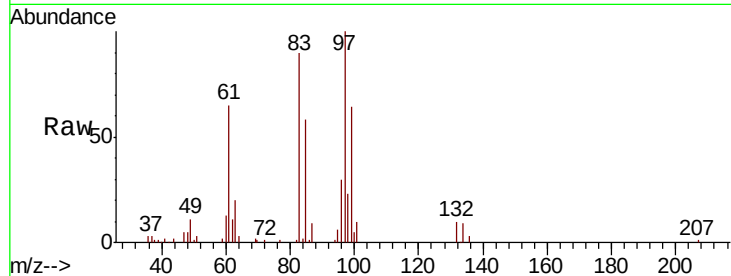
#55
 1,1,2-Trichloroethane
 Concen: 19.108 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	90.3	68.9	103.3	
85	57.7	44.4	66.6	
99	64.1	51.0	76.4	

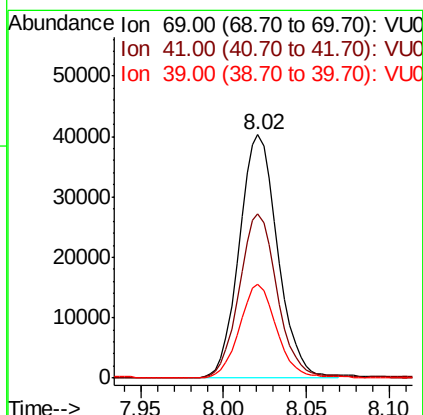
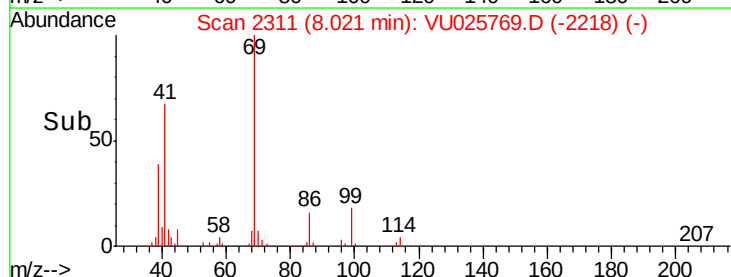
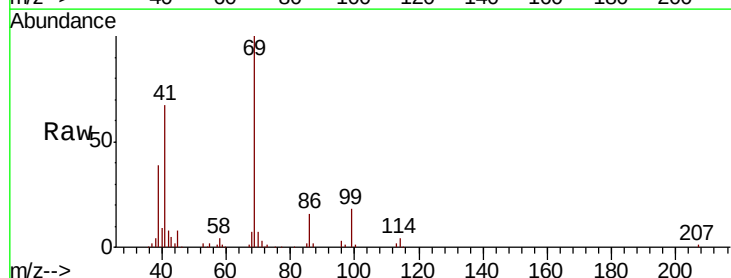
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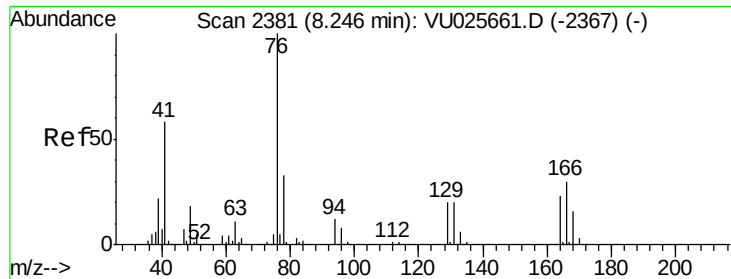
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 8/2/2018 9:41:43 AM



#56
 Ethyl methacrylate
 Concen: 19.591 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	67.1	54.8	82.2	
39	37.8	31.1	46.7	





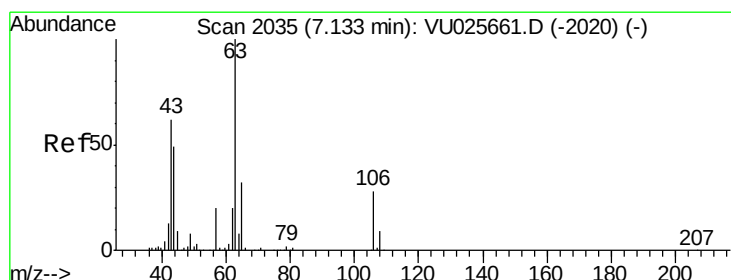
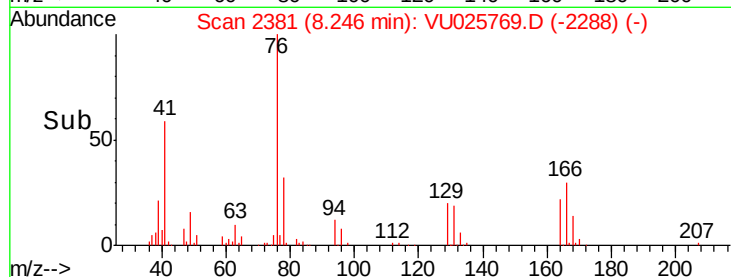
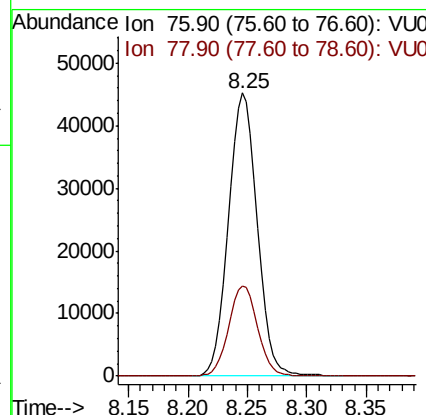
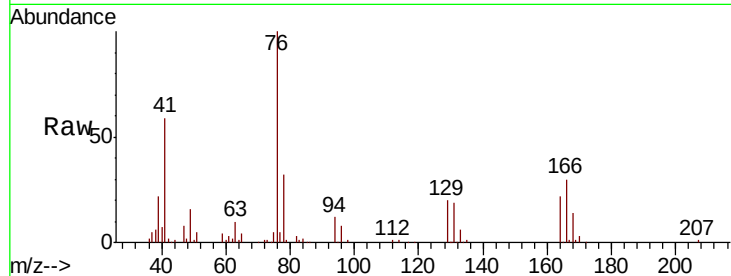
#57
 1,3-Dichloropropane
 Concen: 19.457 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

Tot Ion: 76 Resp: 75764
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1

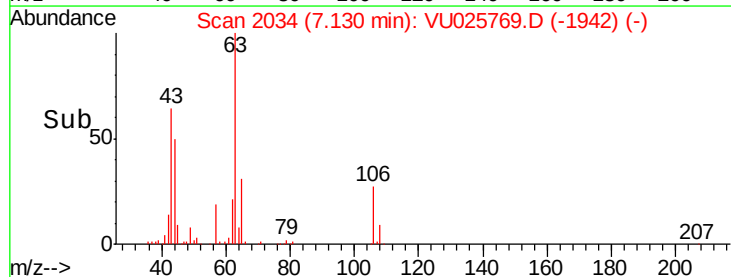
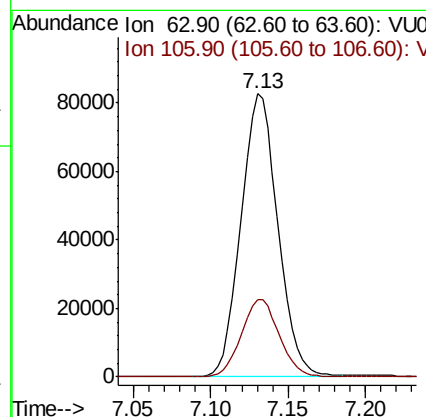
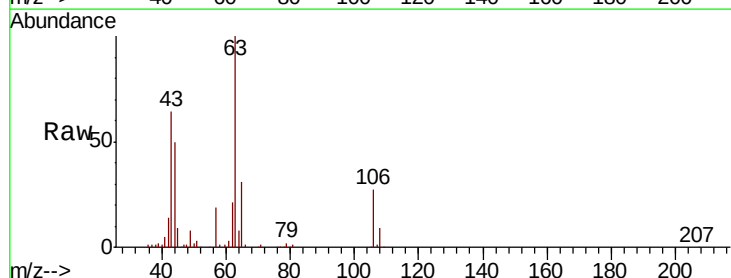
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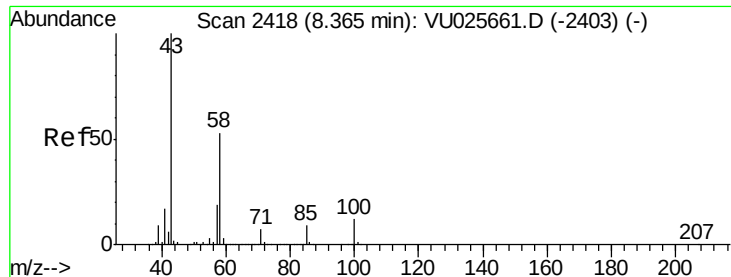
MMDadoda
 8/2/2018 9:41:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.025 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion: 63 Resp: 137134
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.3 33.5





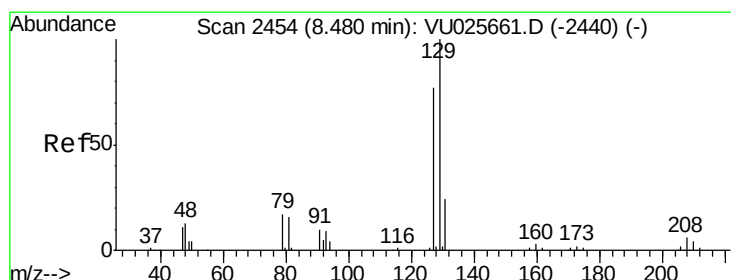
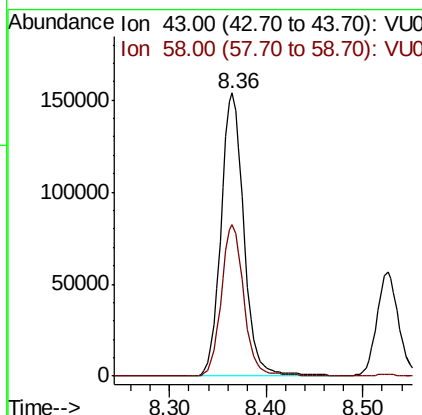
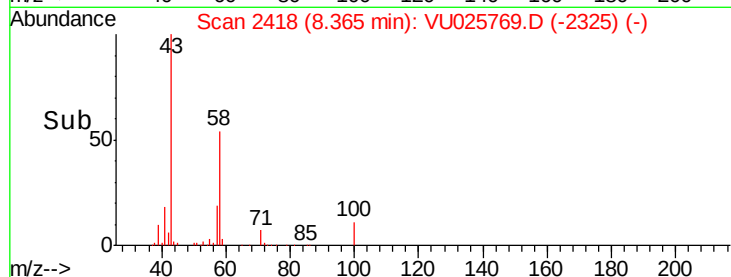
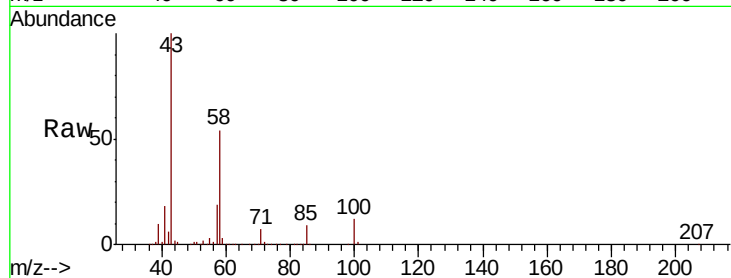
#59
2-Hexanone
Concen: 97.512 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.2	78.5

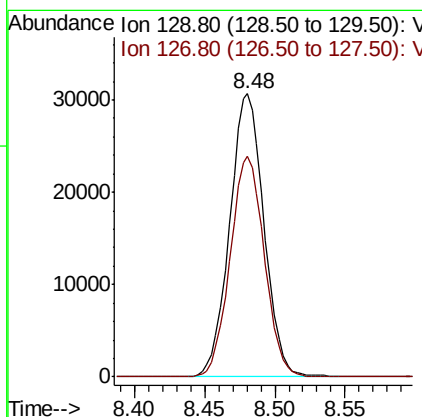
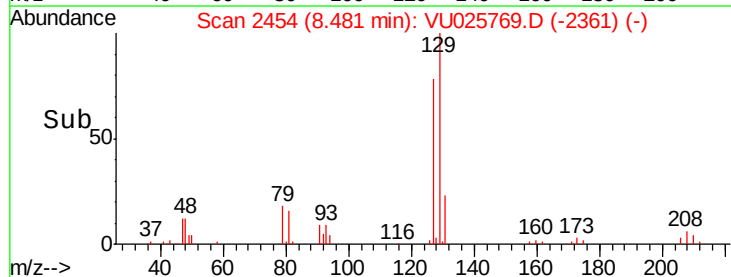
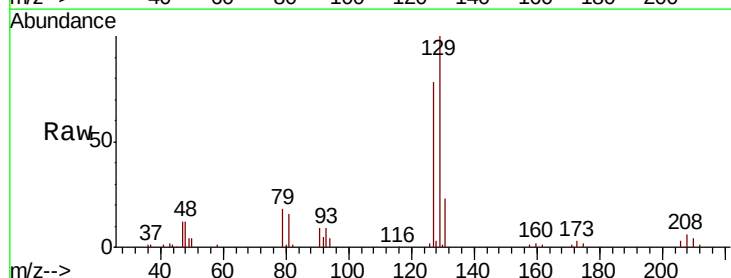
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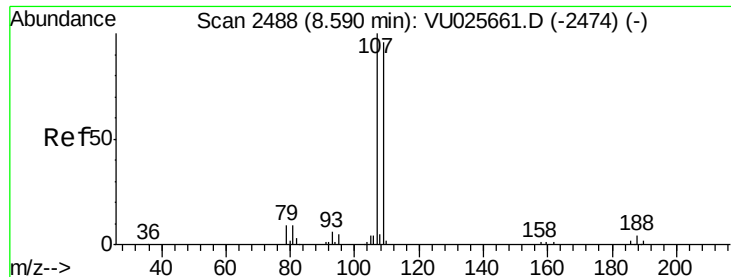
MMDadoda
8/2/2018 9:41:43 AM



#60
Dibromochloromethane
Concen: 19.061 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.6	115.8





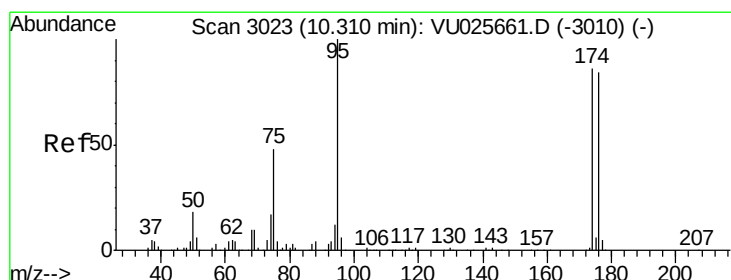
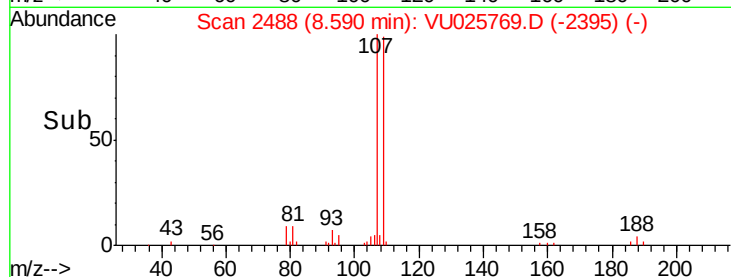
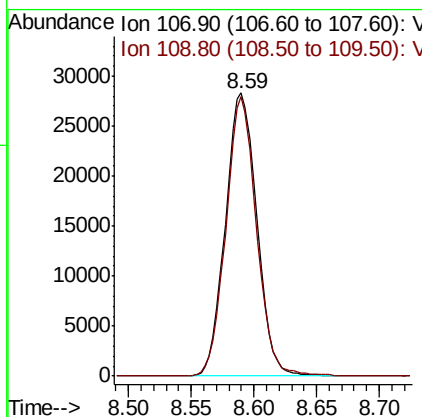
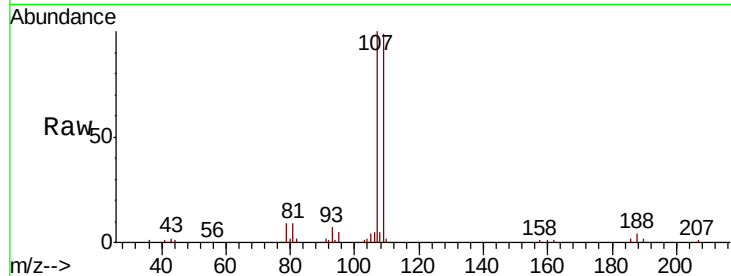
#61
 1,2-Dibromoethane
 Concen: 19.152 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.8	113.8

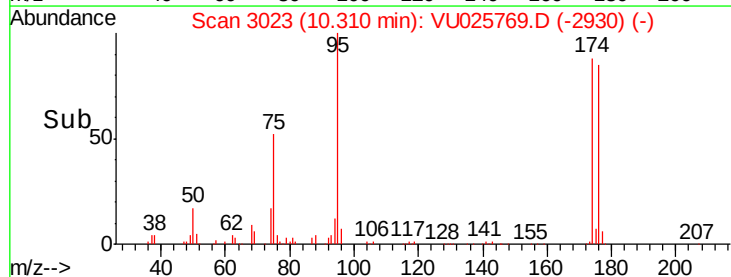
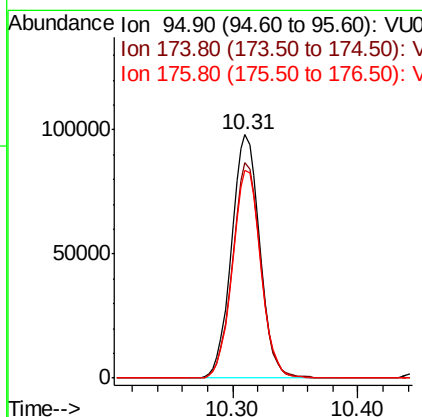
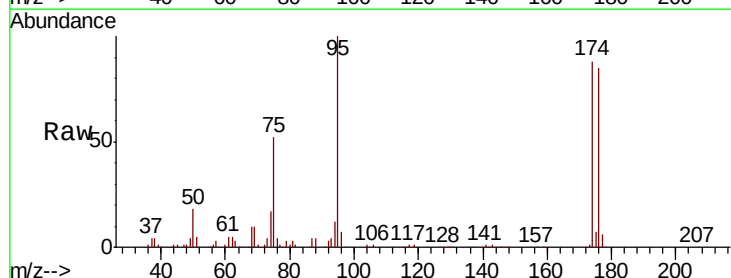
Manual Integrations
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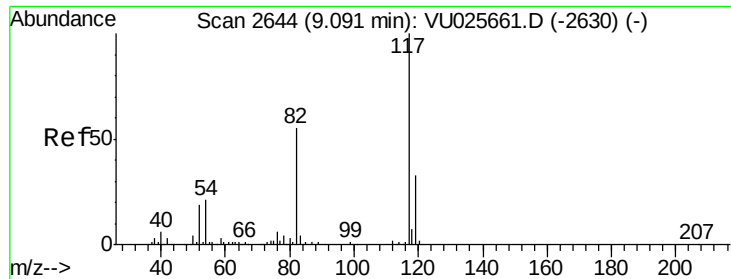
MMDadoda
 8/2/2018 9:41:43 AM



#62
 4-Bromofluorobenzene
 Concen: 49.442 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	172.2
176	85.8	0.0	162.6





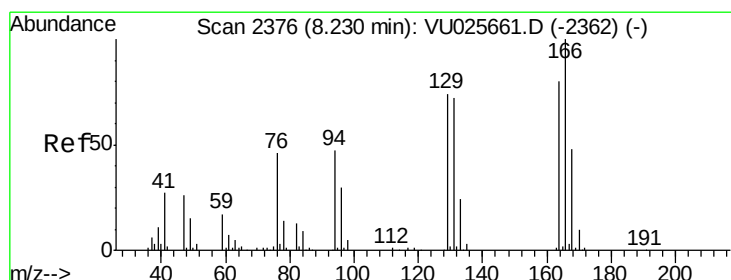
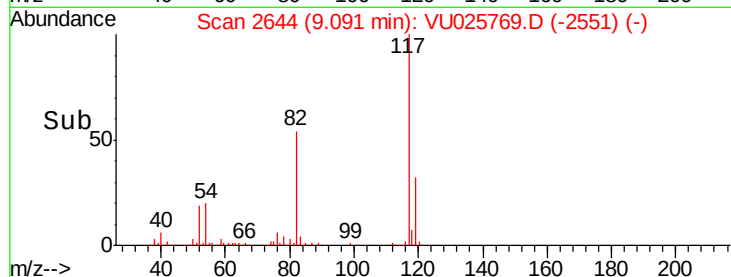
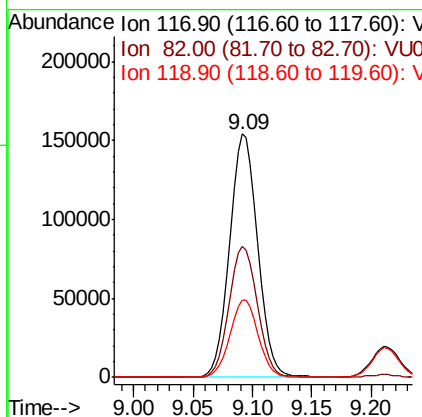
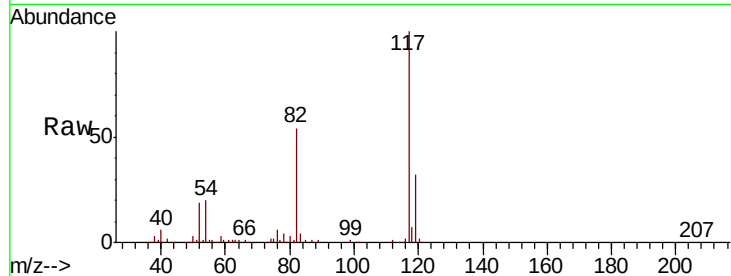
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	252382		
82	54.0	46.0	69.0	
119	31.6	26.0	39.0	

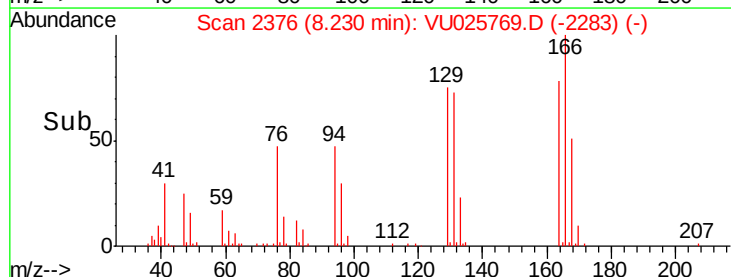
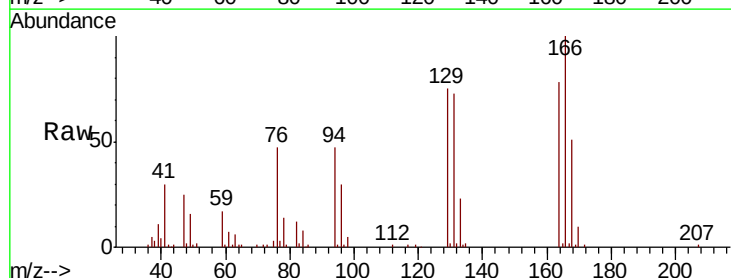
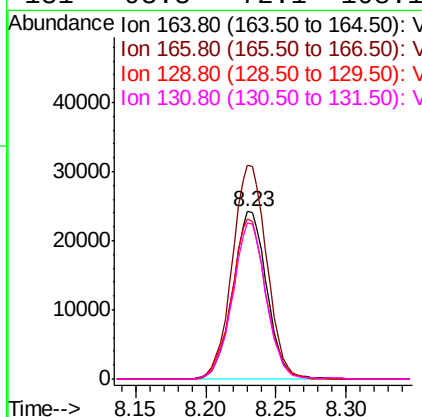
Manual Integrations
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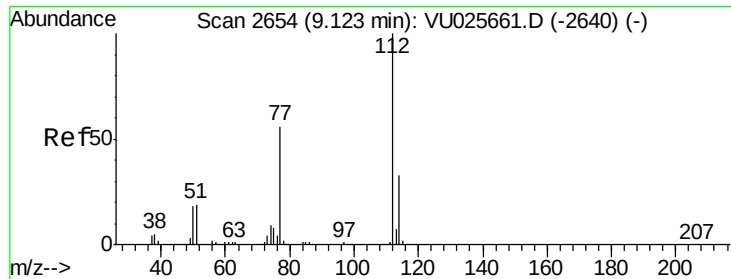
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#64
Tetrachloroethene
Concen: 18.380 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40831		
166	127.5	101.1	151.7	
129	95.7	73.0	109.6	
131	93.3	72.1	108.1	





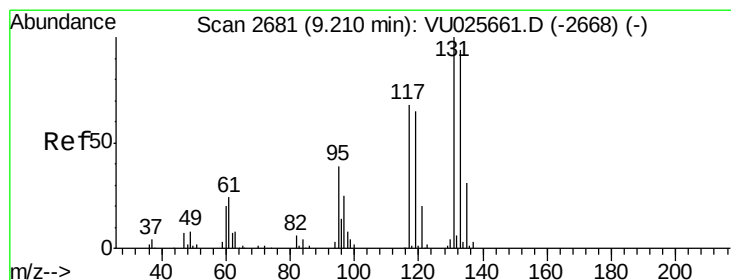
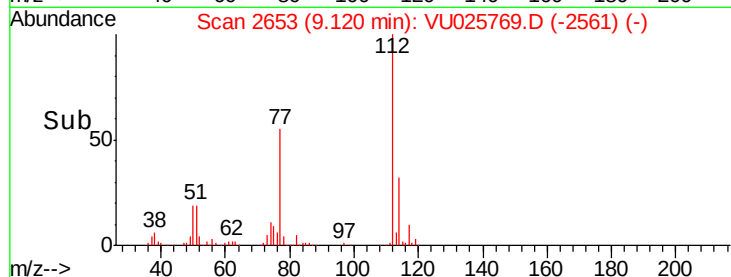
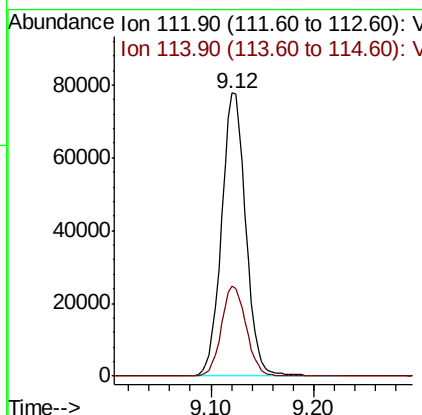
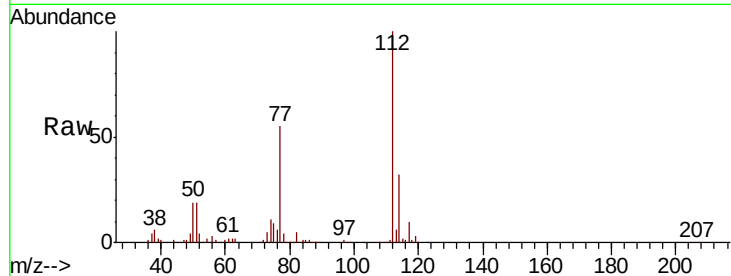
#65
Chlorobenzene
Concen: 19.526 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	127054		
114	31.7	25.8	38.8	

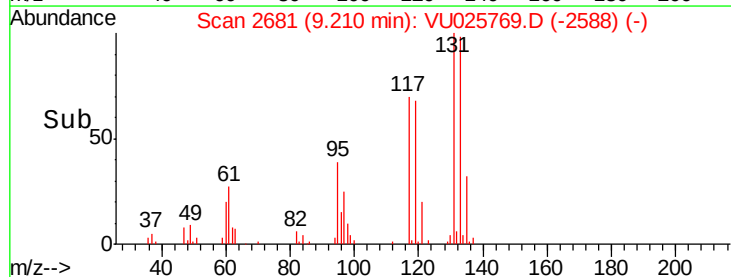
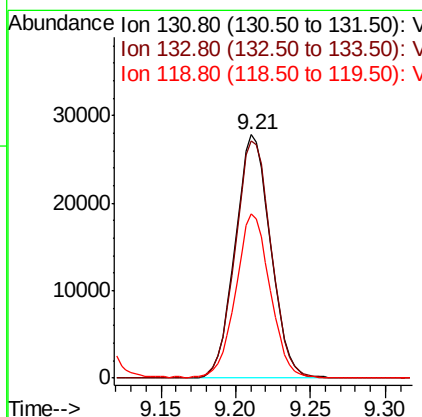
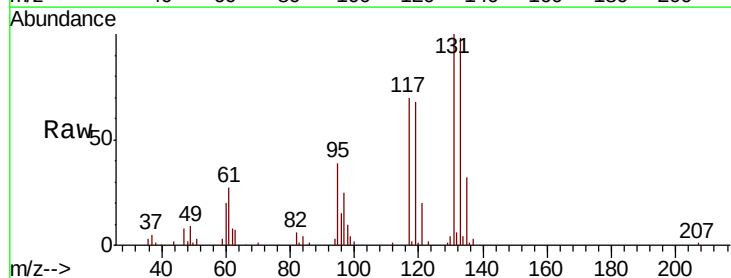
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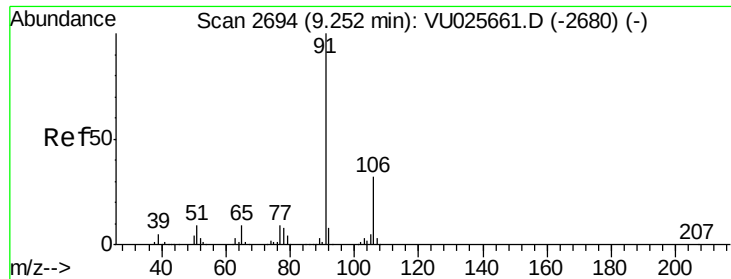
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.473 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	45838		
133	99.1	47.8	143.3	
119	65.9	31.6	95.0	





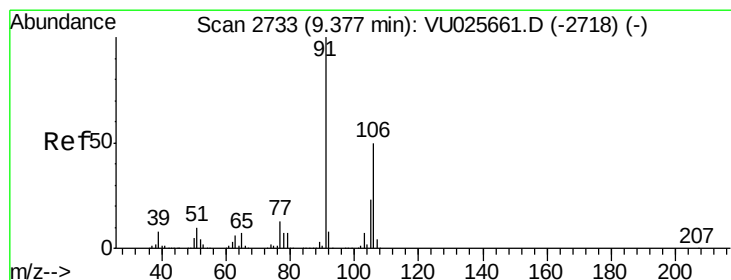
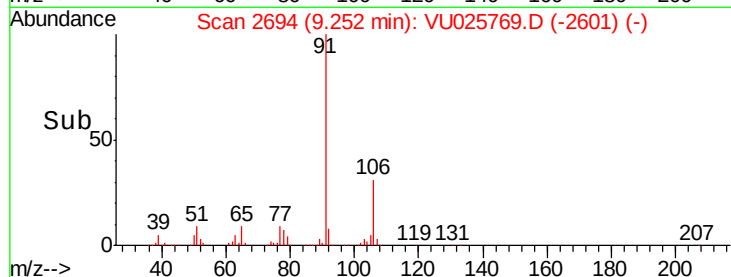
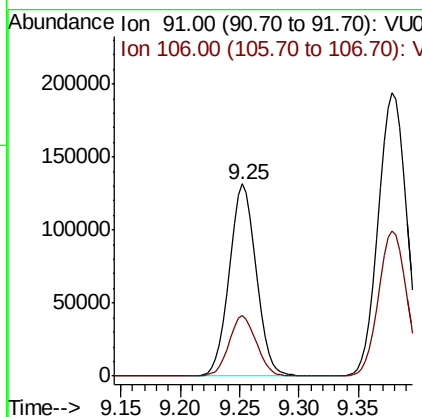
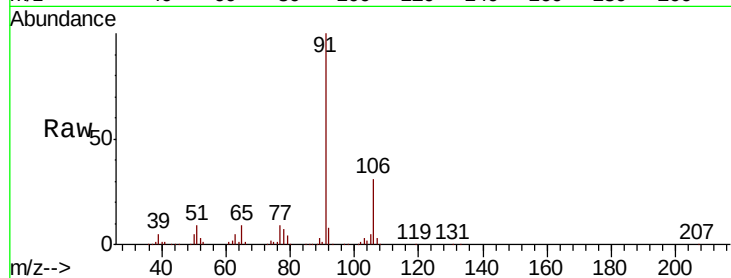
#67
Ethyl Benzene
Concen: 19.216 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.3	37.9

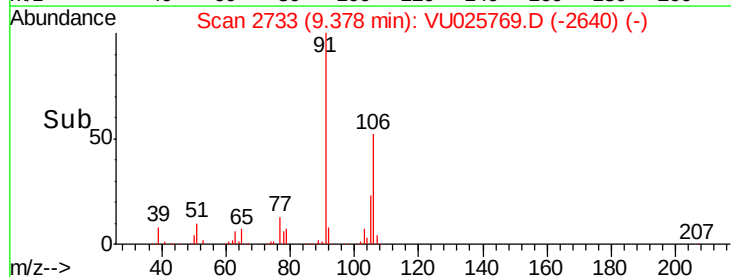
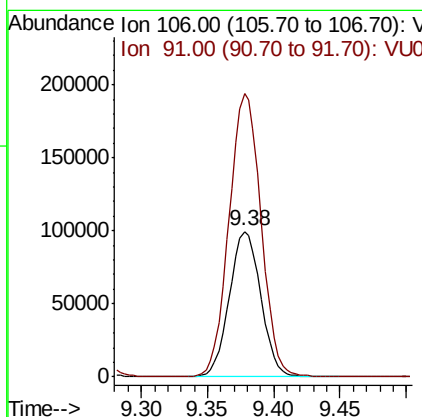
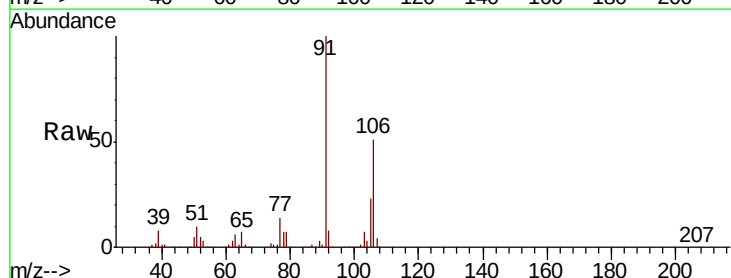
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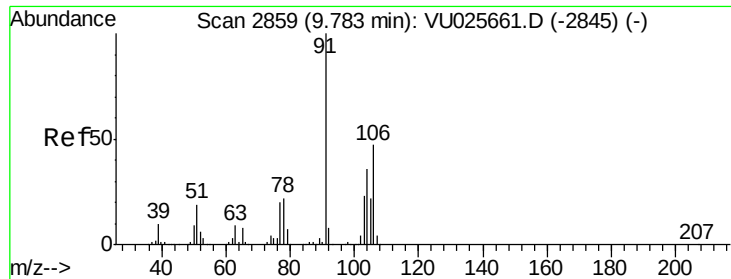
MMDadoda
8/2/2018 9:41:43 AM



#68
m/p-Xylenes
Concen: 39.793 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.7	162.3	243.5





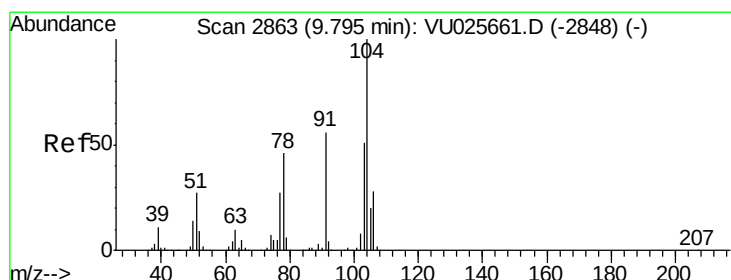
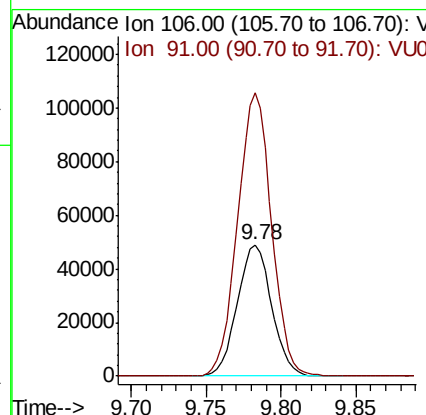
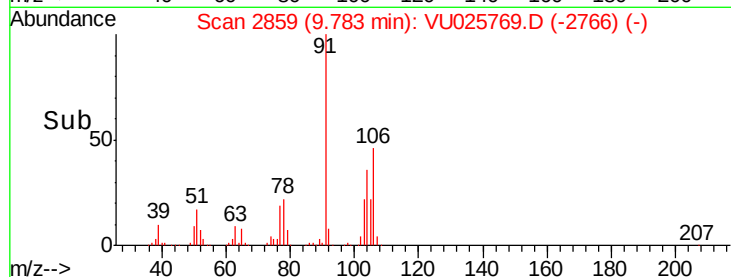
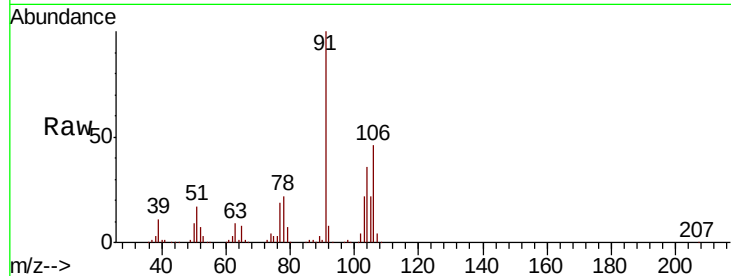
#69
o-Xylene
Concen: 19.346 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	212.7	105.3	78239	315.8	

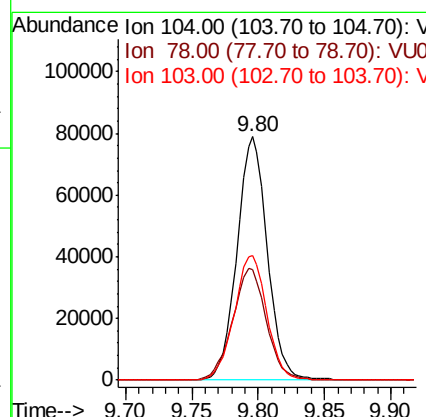
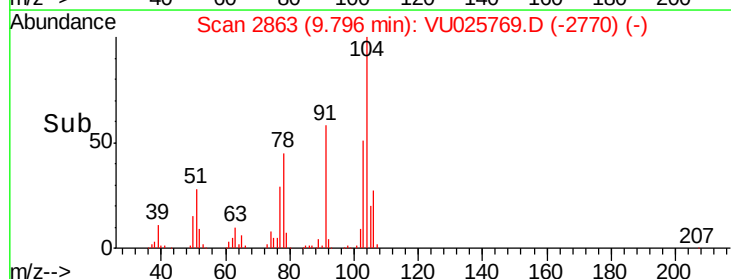
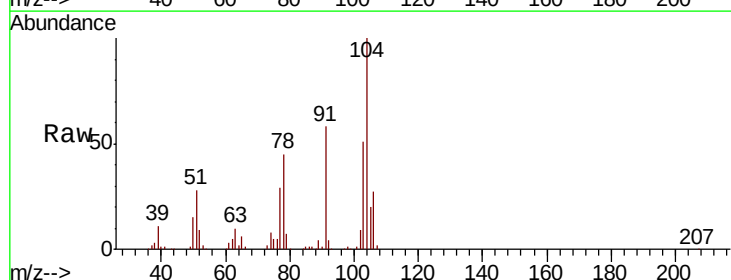
Manual Integrations
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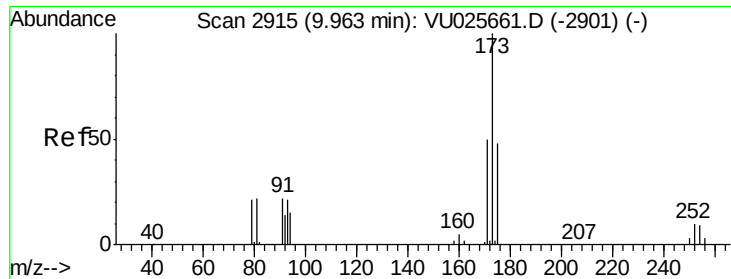
MMDadoda
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#70
Styrene
Concen: 19.217 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	51.3	41.6	125536	62.4	
103	55.3	44.6		66.8	





#71

Bromoform

Concen: 19.213 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS02

Tot Ion:173 Resp: 39216

Ion Ratio Lower Upper

173 100

175 49.0 24.0 72.0

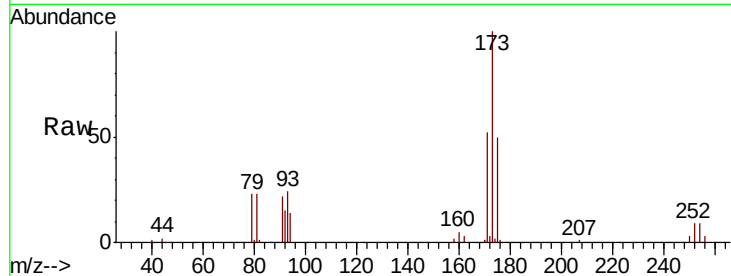
254 0.0 0.0 0.0

Manual Integrations

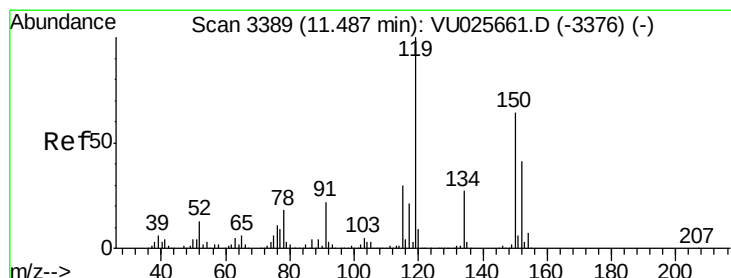
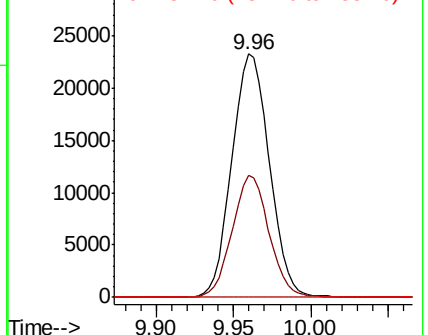
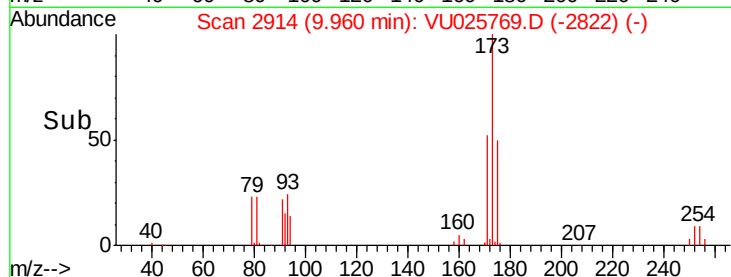
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

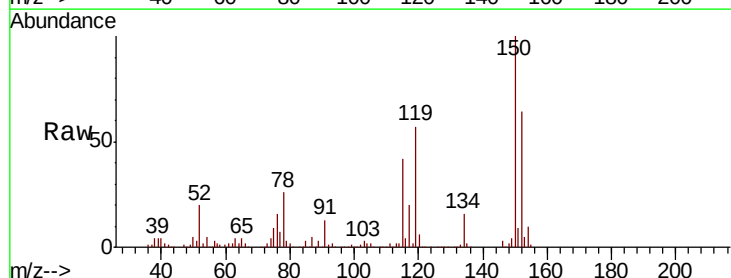
Tgt Ion:152 Resp: 155403

Ion Ratio Lower Upper

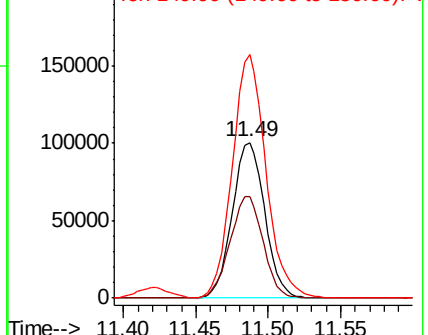
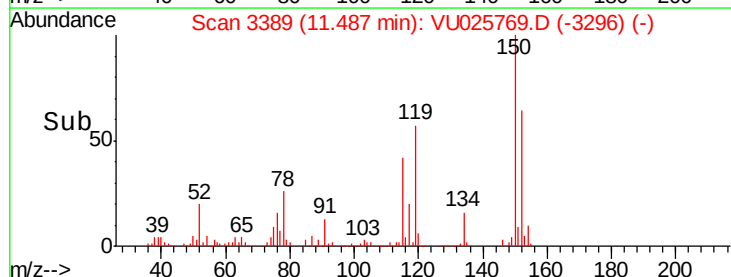
152 100

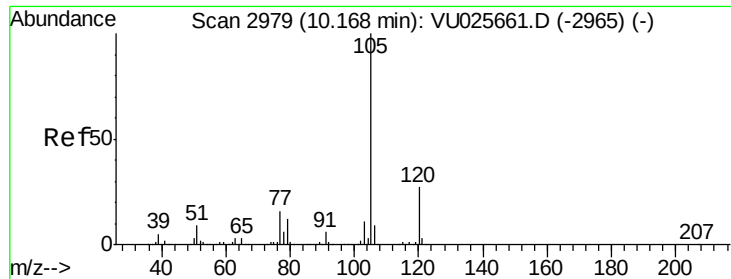
115 66.9 40.1 120.3

150 163.3 0.0 351.4



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: 19.892 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS02

Tot Ion:105 Resp: 210990

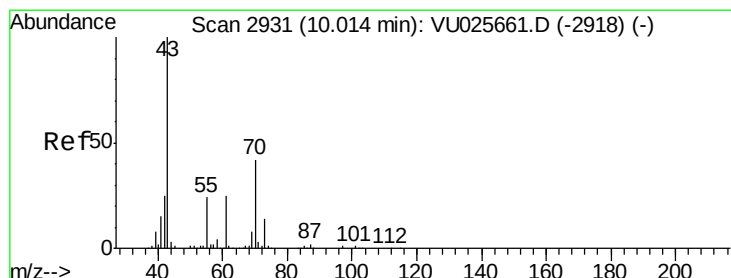
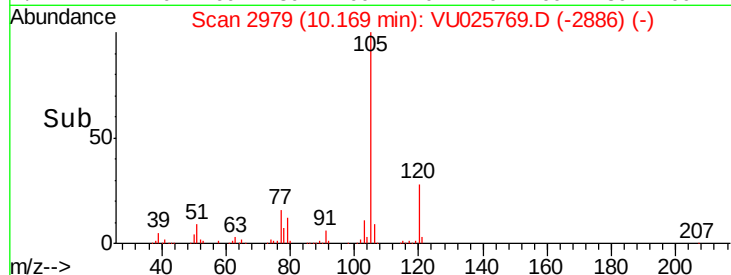
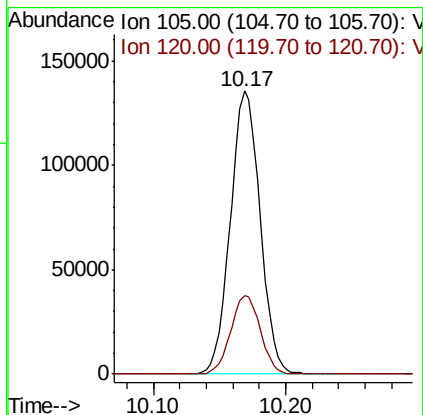
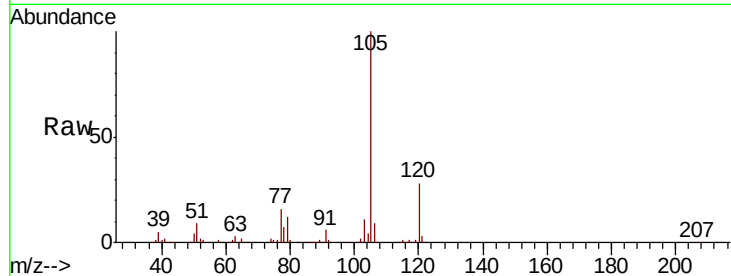
Ion Ratio Lower Upper

105 100

120 27.6 13.5 40.5

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#74

N-ethyl acetate

Concen: 20.290 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Tgt Ion: 43 Resp: 87855

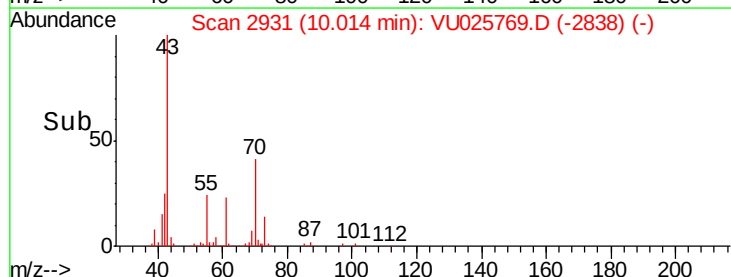
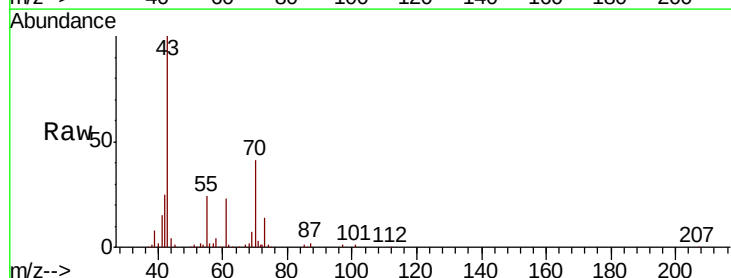
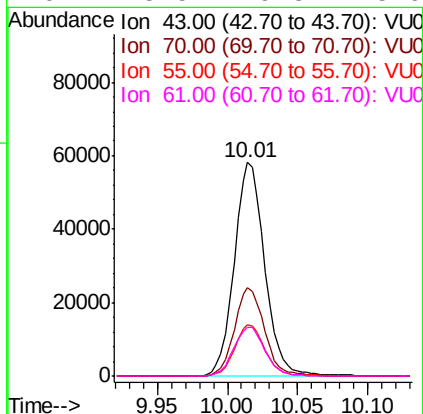
Ion Ratio Lower Upper

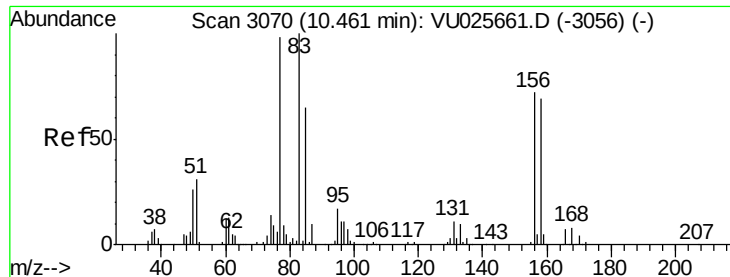
43 100

70 40.7 33.4 50.2

55 23.9 19.0 28.6

61 23.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.638 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

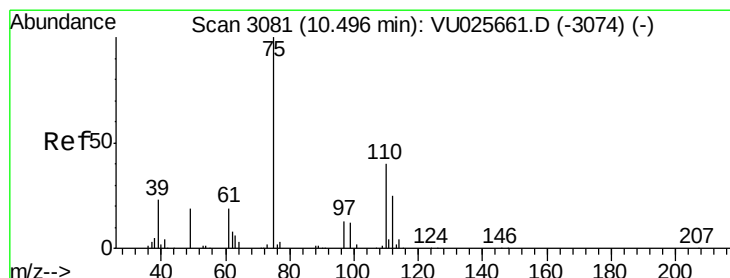
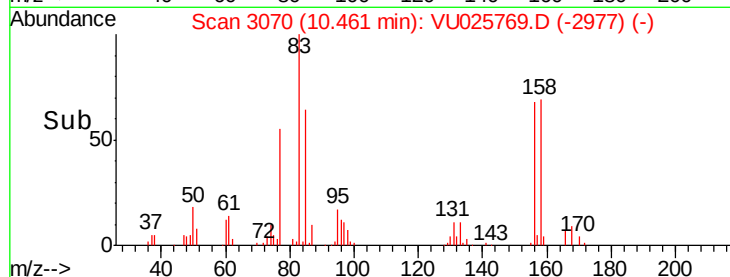
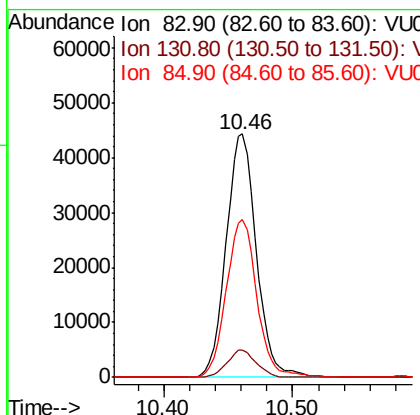
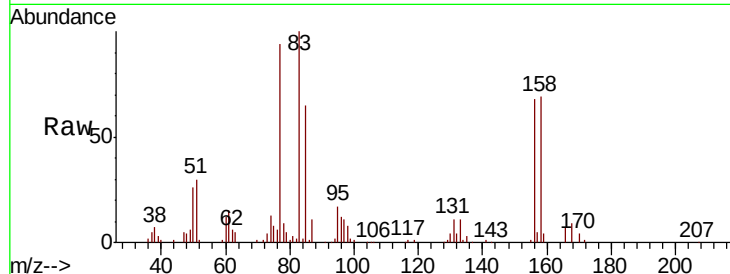
ClientSampleId :

VU0801MBS02

Tot Ion:	83	Resp:	72031
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.4
85	65.8	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 19.076 ug/l m

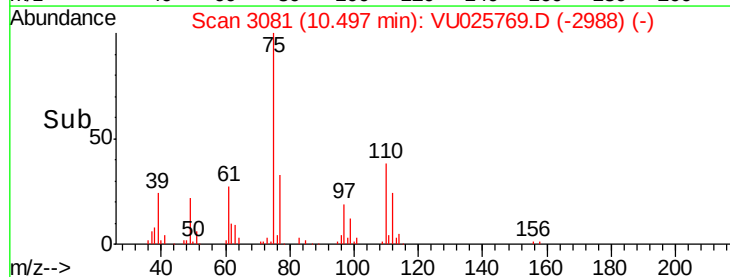
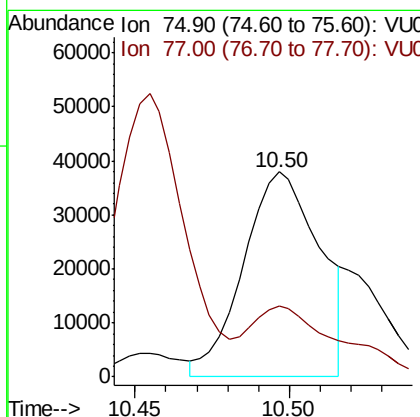
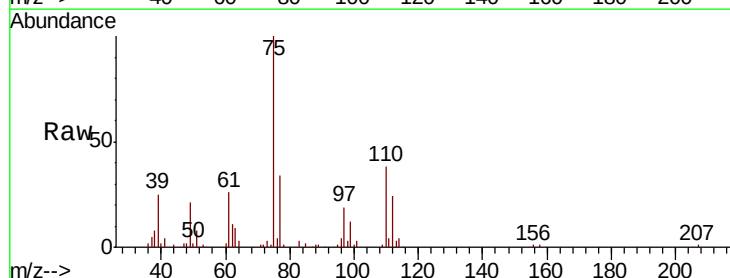
RT: 10.50 min Scan# 3081

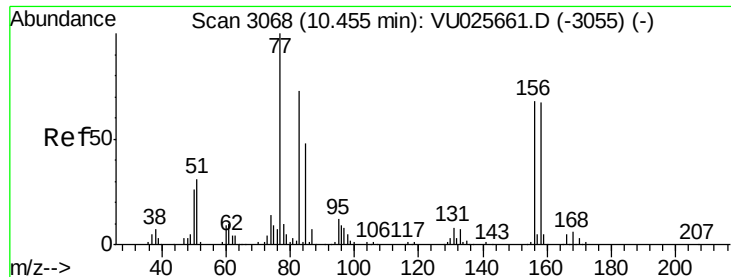
Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Tgt Ion:	75	Resp:	65316
Ion Ratio	Lower	Upper	
75	100		
77	42.3	20.4	61.3





#77

Bromobenzene

Concen: 19.602 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS02

Tot Ion:156 Resp: 57347

Ion Ratio Lower Upper

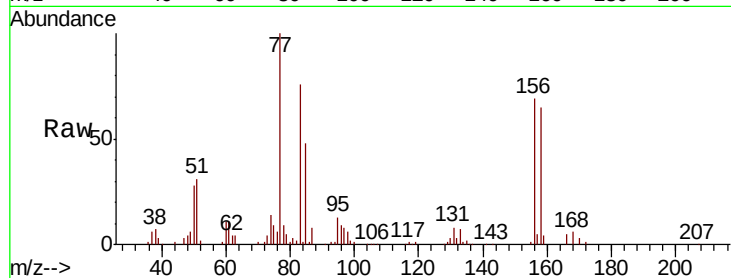
156 100

77 145.2 73.8 221.4

158 97.3 48.0 144.0

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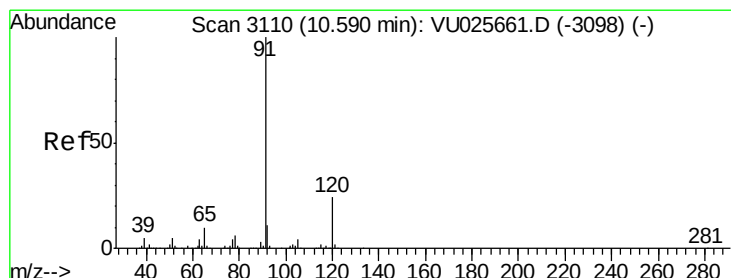
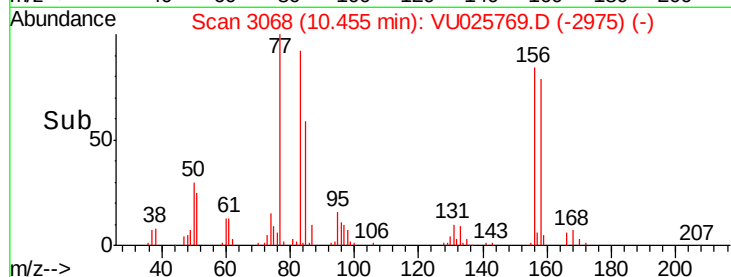
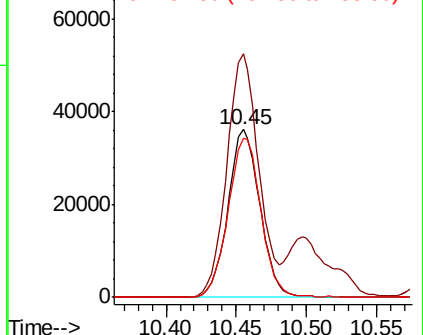
MMDadoda
8/2/2018 9:41:43 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.891 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025769.D

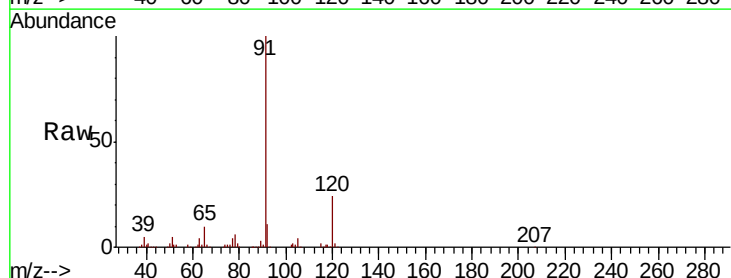
Acq: 01 Aug 2018 12:07

Tgt Ion: 91 Resp: 246249

Ion Ratio Lower Upper

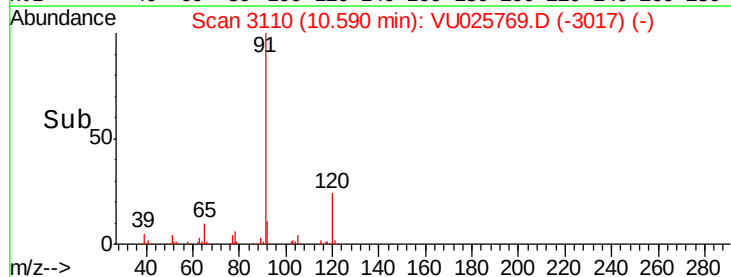
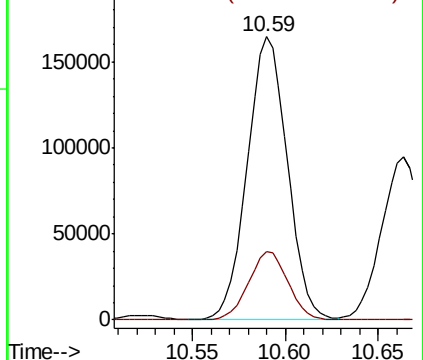
91 100

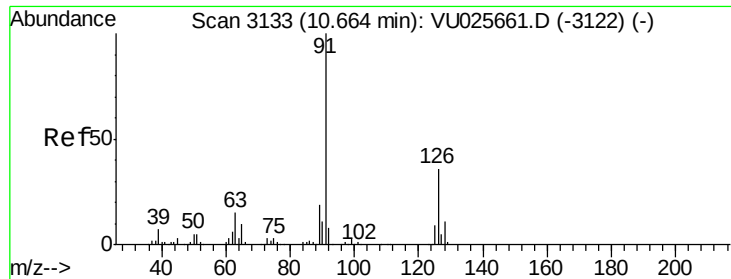
120 23.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.321 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS02

Tot Ion: 91 Resp: 147345

Ion Ratio Lower Upper

91 100

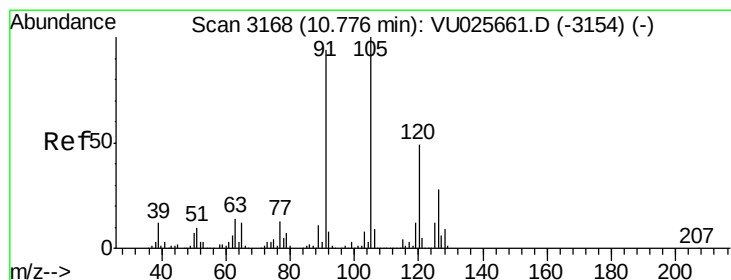
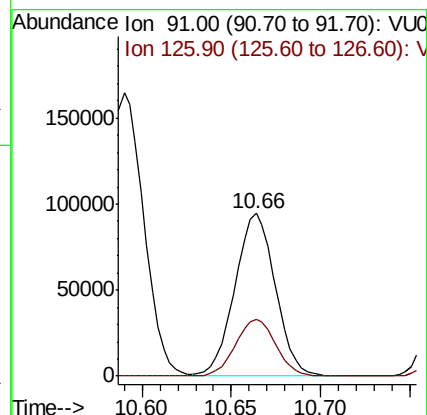
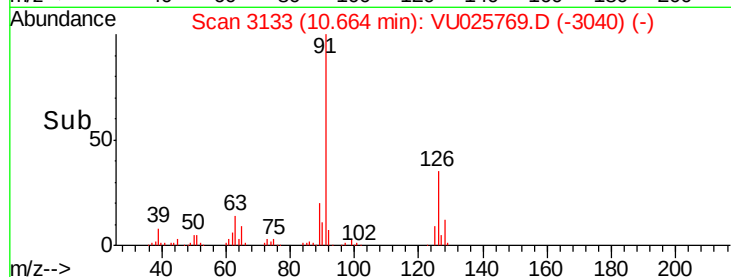
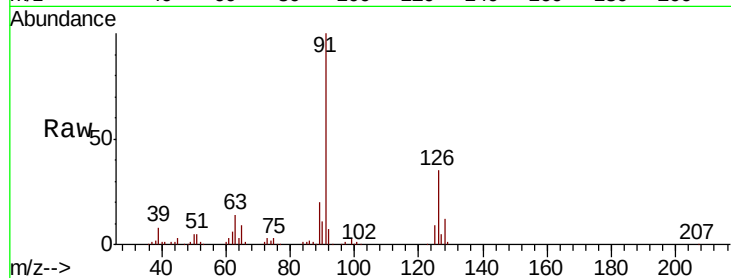
126 35.2 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 20.384 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025769.D

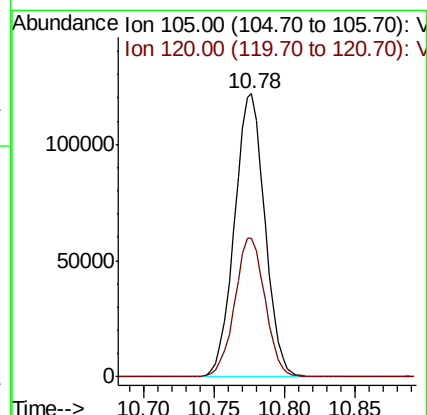
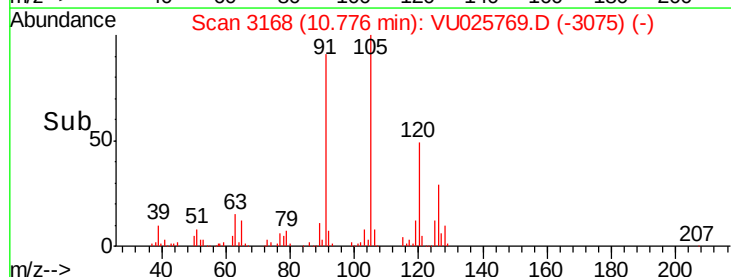
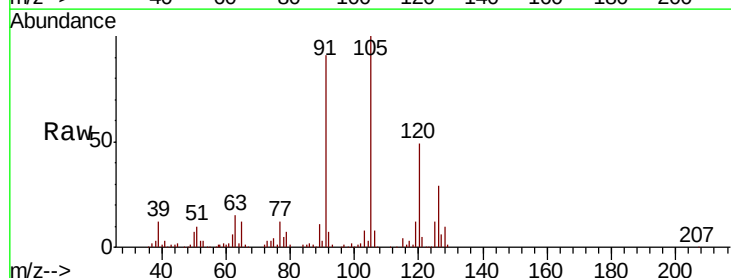
Acq: 01 Aug 2018 12:07

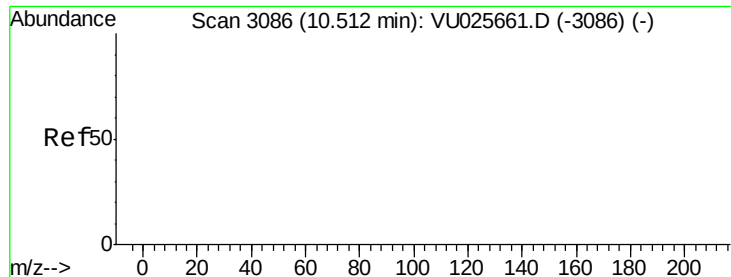
Tgt Ion: 105 Resp: 183620

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.2





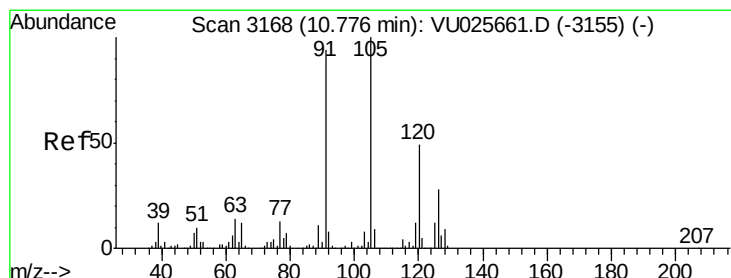
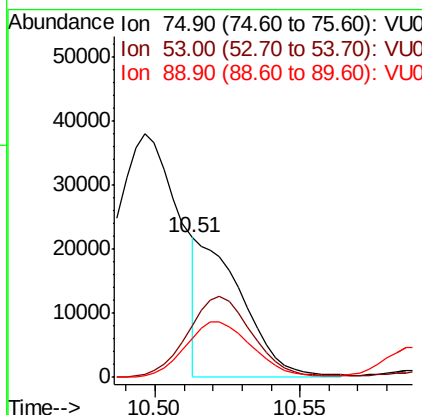
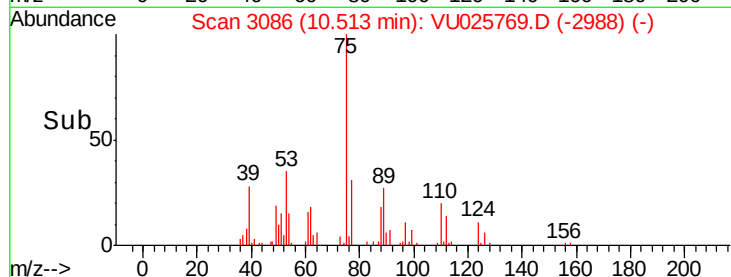
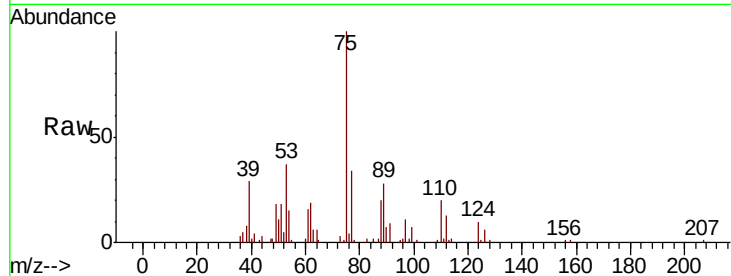
#81
trans-1,4-Dichloro-2-butene
Concen: 17.241 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.02 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

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

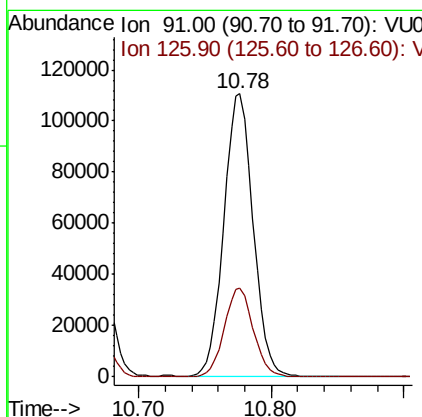
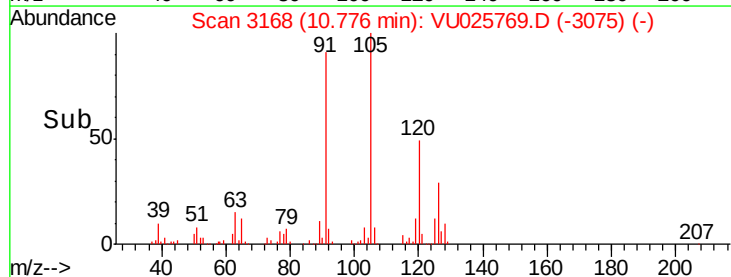
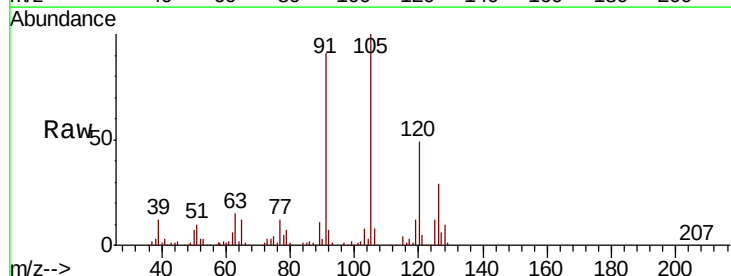
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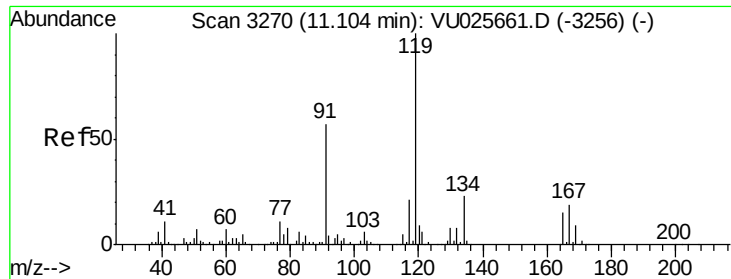
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#82
4-Chlorotoluene
Concen: 19.830 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.3	45.9





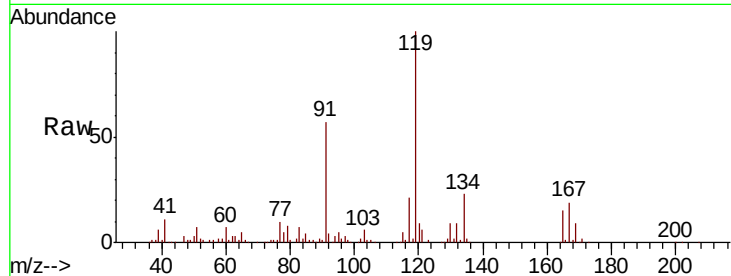
#83
 tert-Butylbenzene
 Concen: 20.055 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	179490		
91	57.5	29.7	89.1	
134	23.2	11.5	34.5	

Manual Integrations
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 8/2/2018 9:41:43 AM

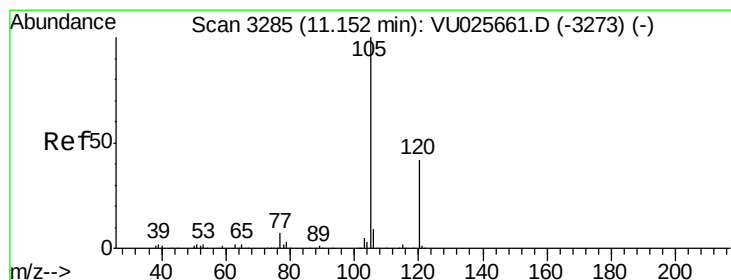
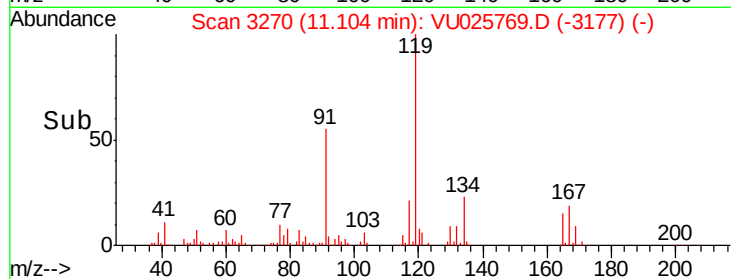
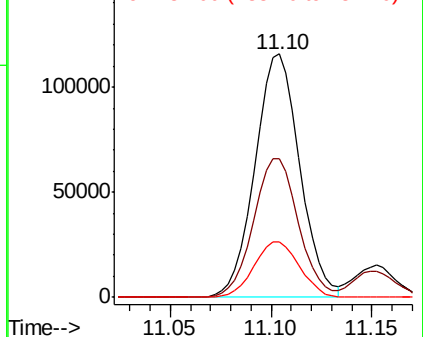


Abundance

Ion 119.00 (118.70 to 119.70): V

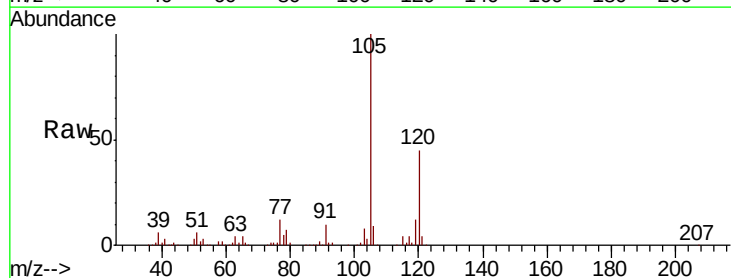
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 20.479 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

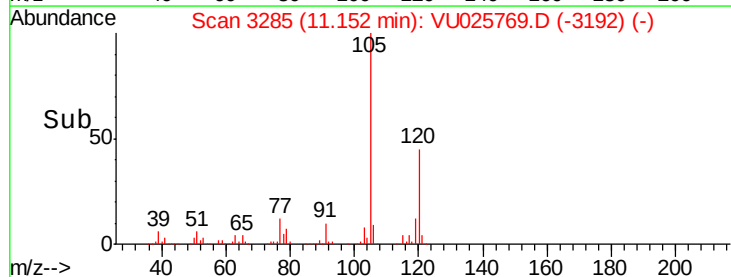
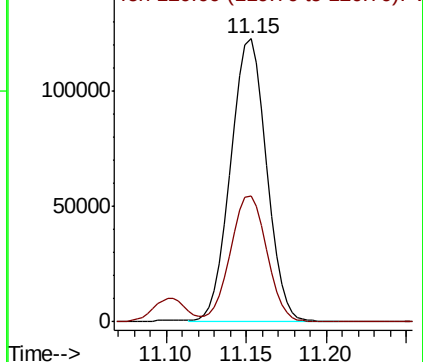
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	186933		
120	45.3	22.3	66.8	

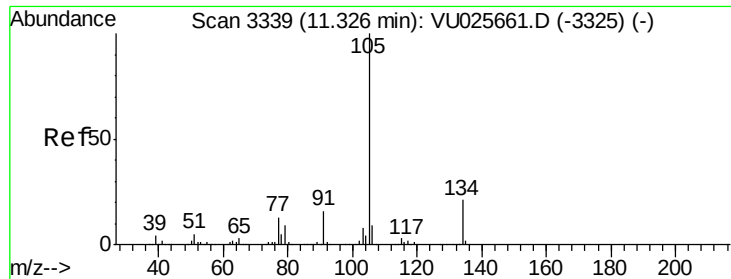


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





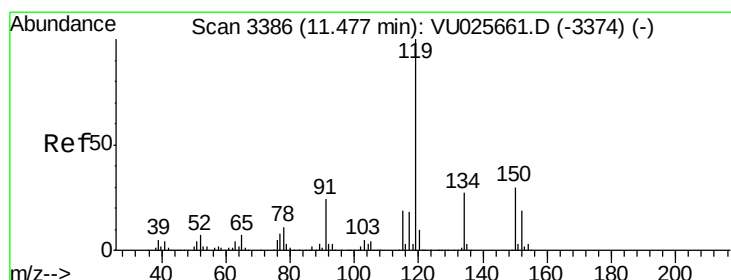
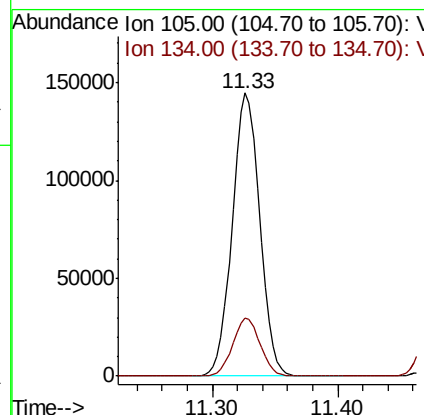
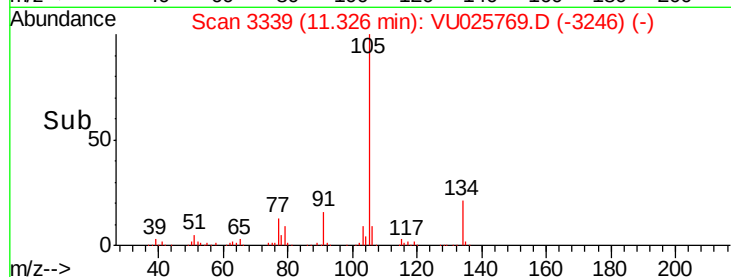
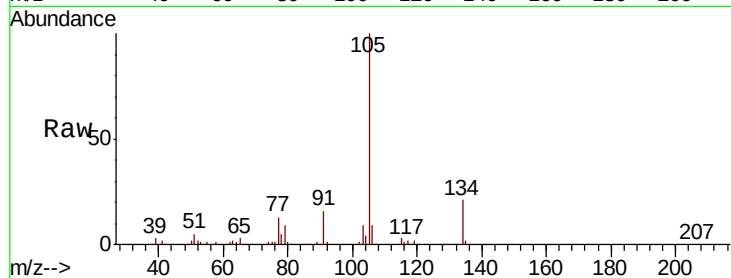
#85
 sec-Butylbenzene
 Concen: 20.111 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.8

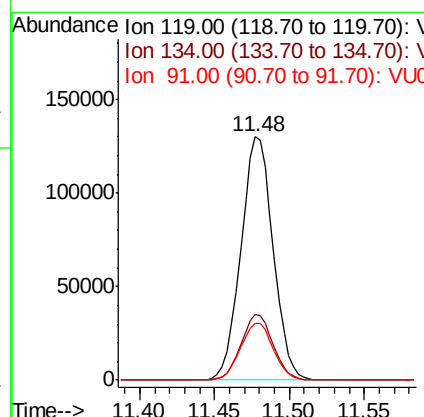
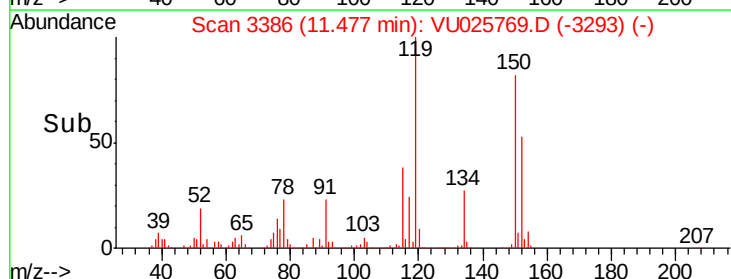
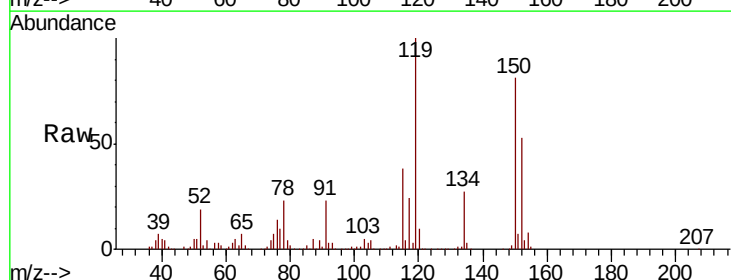
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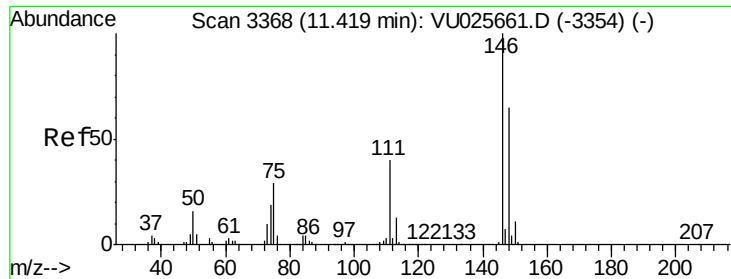
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 8/2/2018 9:41:43 AM



#86
 p-Isopropyltoluene
 Concen: 19.874 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.2	39.5
91	23.9	12.0	36.1





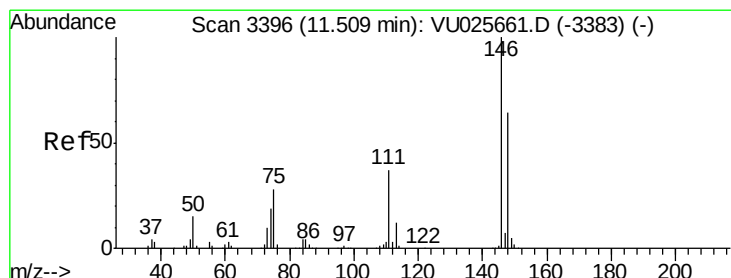
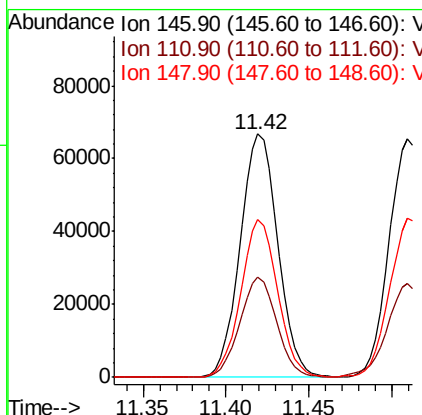
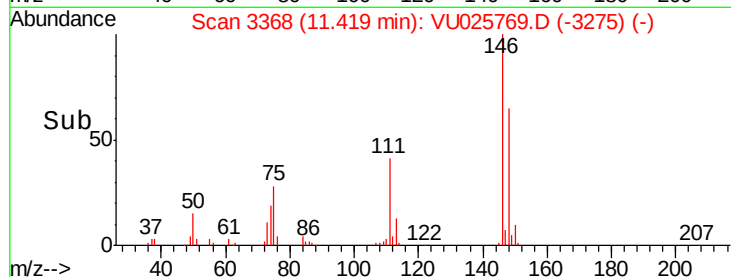
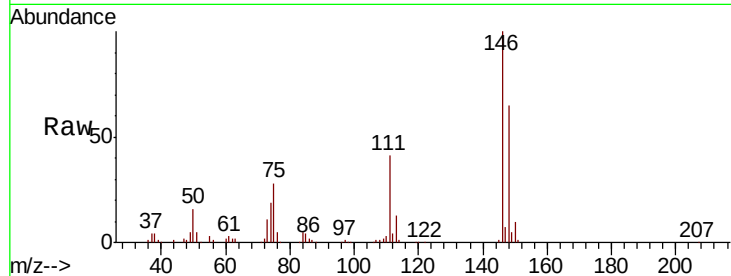
#87
 1,3-Dichlorobenzene
 Concen: 19.517 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.1
148	63.0	32.1	96.3

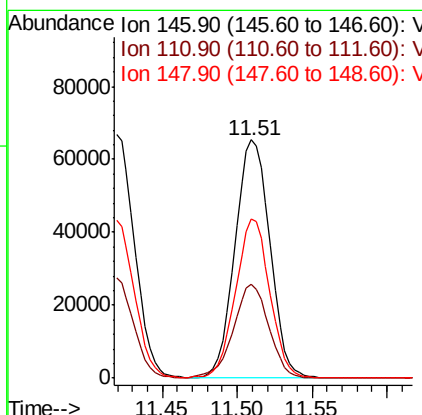
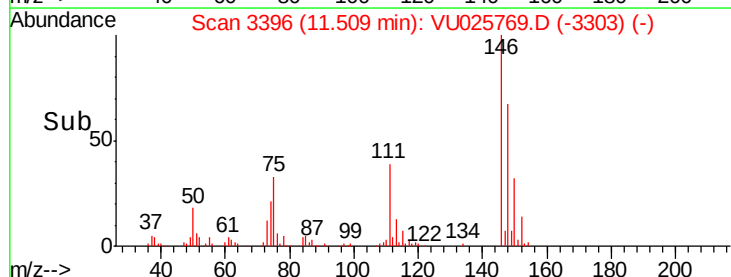
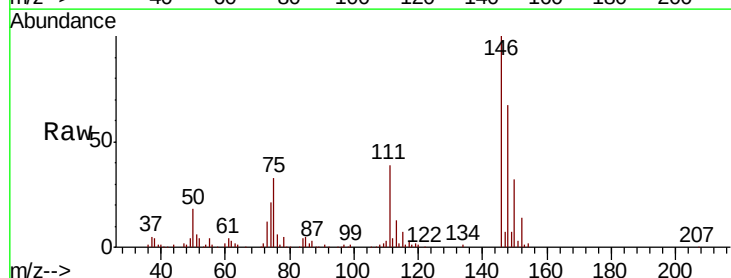
Manual Integrations
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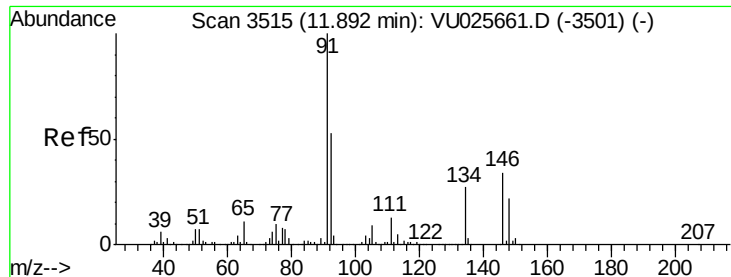
MMDadoda
 8/2/2018 9:41:43 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.716 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.4	58.1
148	65.9	31.7	95.1





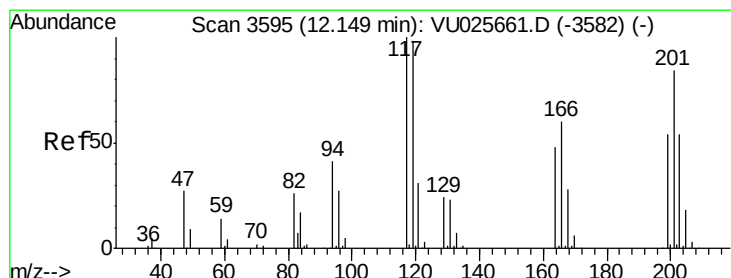
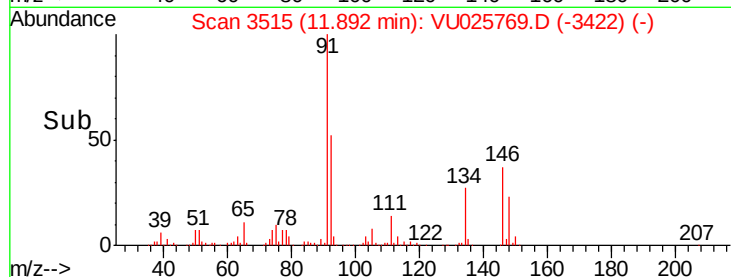
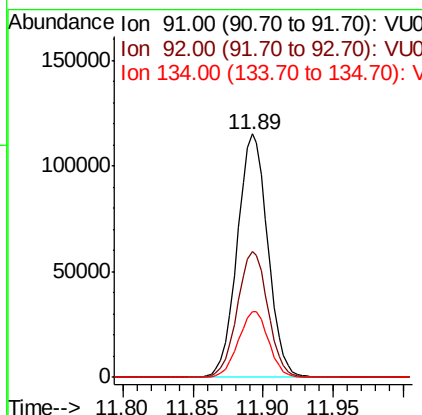
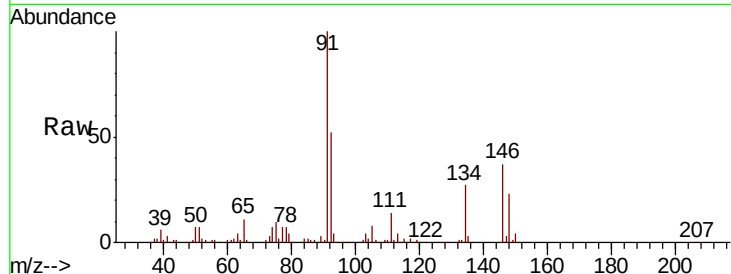
#89
n-Butylbenzene
Concen: 19.327 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.5	79.5
134	26.8	13.6	40.7

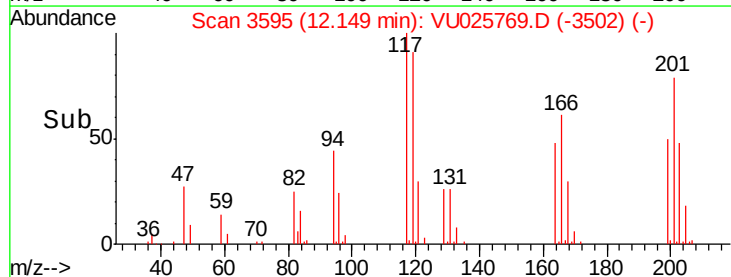
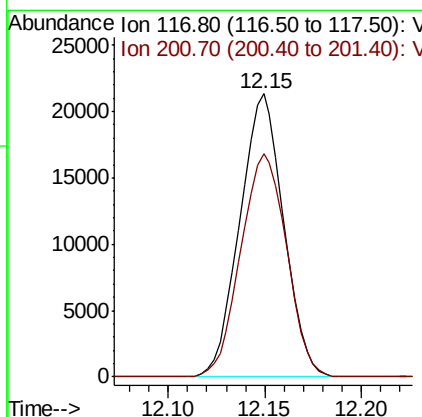
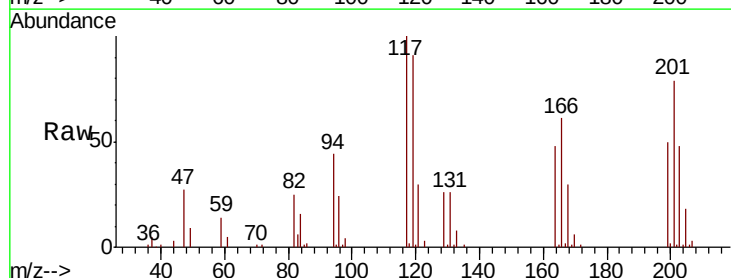
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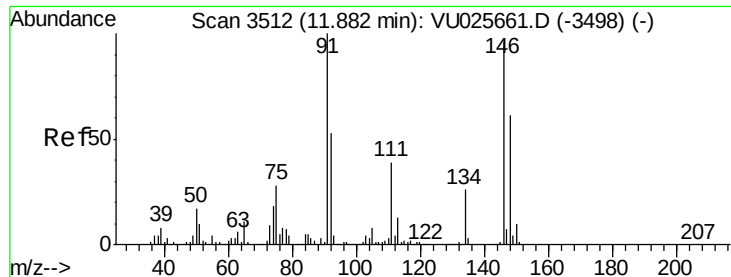
MMDadoda
8/2/2018 9:41:43 AM



#90
Hexachloroethane
Concen: 19.267 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	42.5	127.6





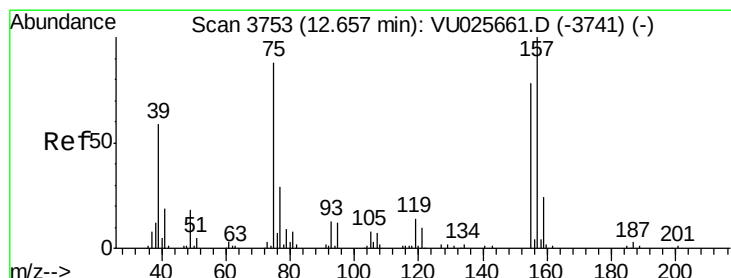
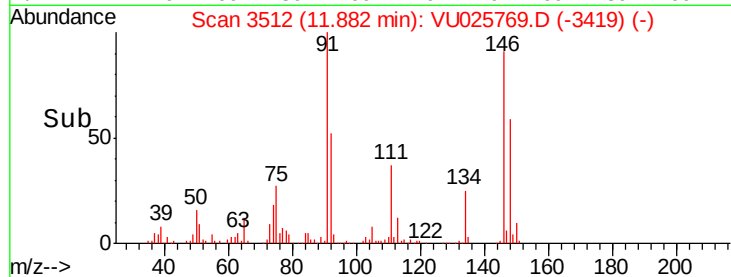
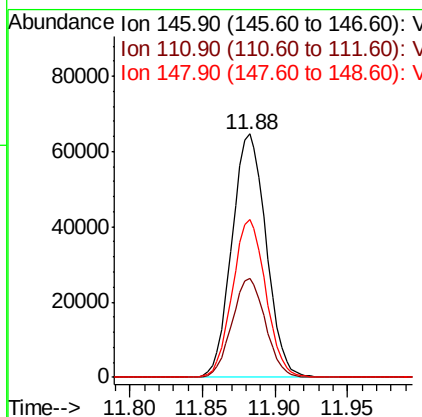
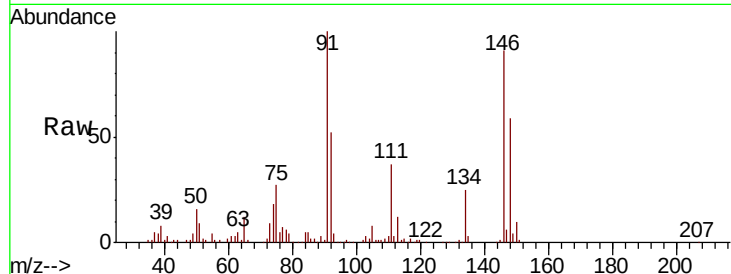
#91
 1,2-Dichlorobenzene
 Concen: 19.944 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.6	61.8
148	63.1	31.5	94.5

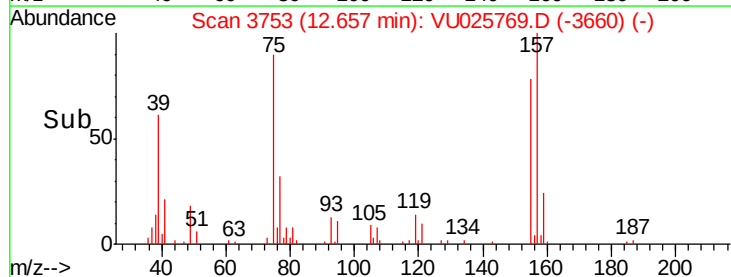
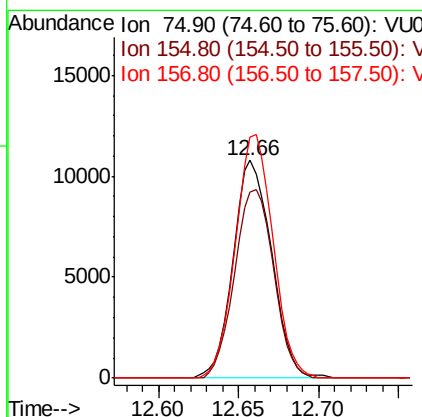
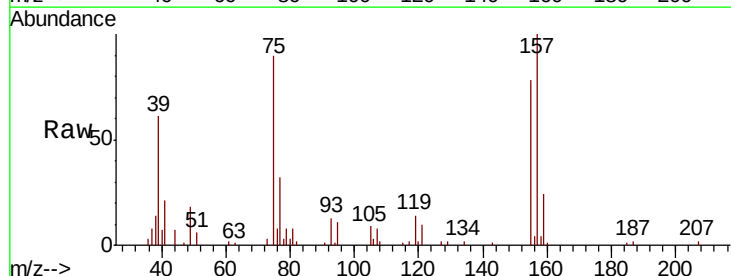
Manual Integrations
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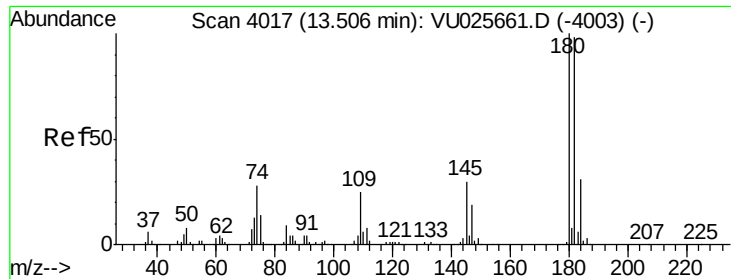
MMDadoda
 8/2/2018 9:41:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.285 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.9	44.5	133.3
157	109.6	57.0	170.8





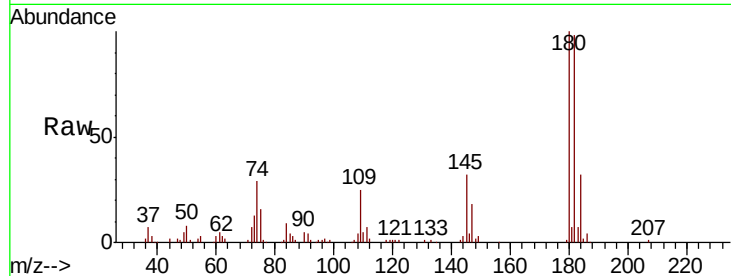
#93
 1,2,4-Trichlorobenzene
 Concen: 19.849 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.9
145	30.6	14.9	44.7

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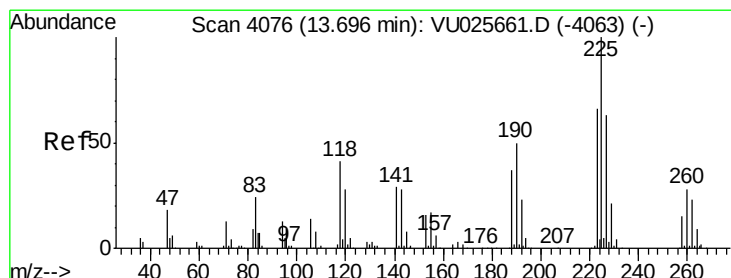
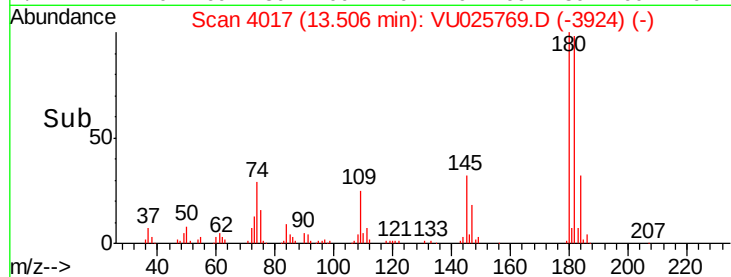
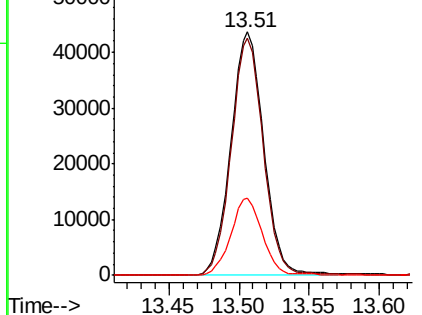


Abundance

Ion 179.80 (179.50 to 180.50): V

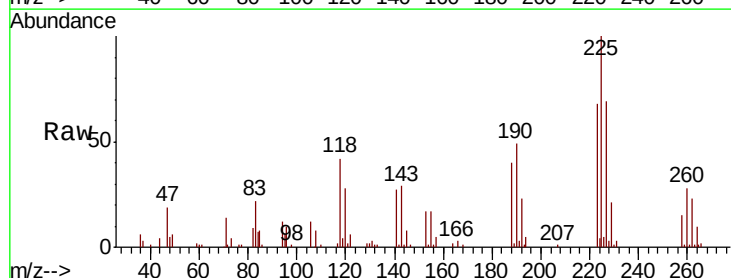
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 17.918 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.9	95.7
227	67.3	32.3	96.9

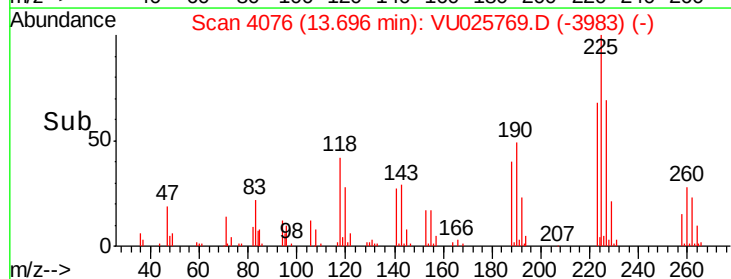
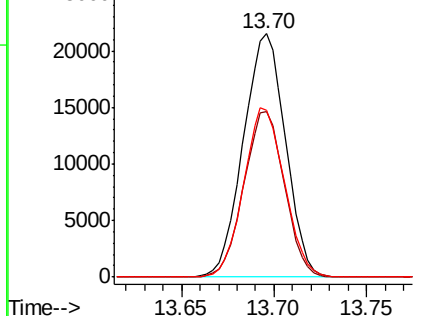


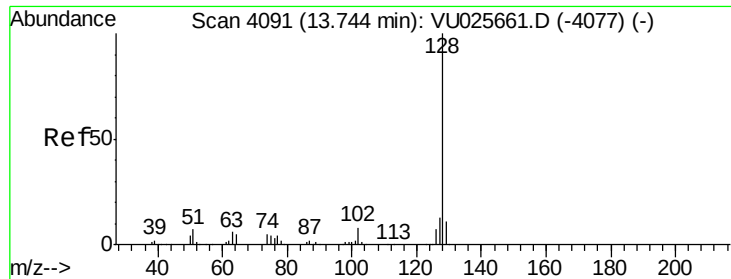
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.578 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

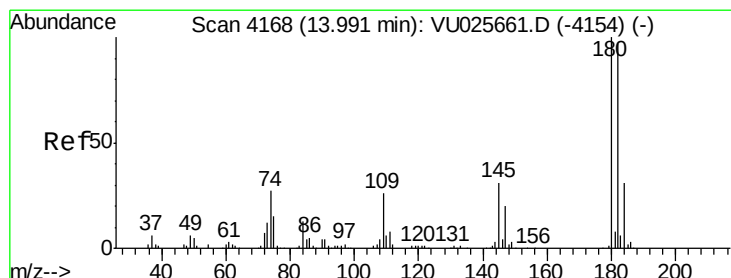
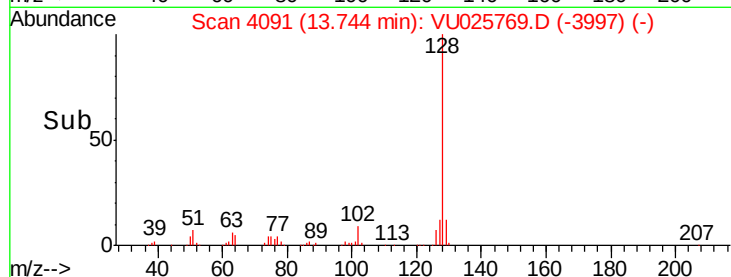
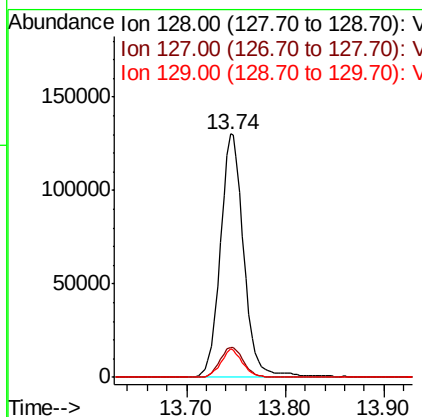
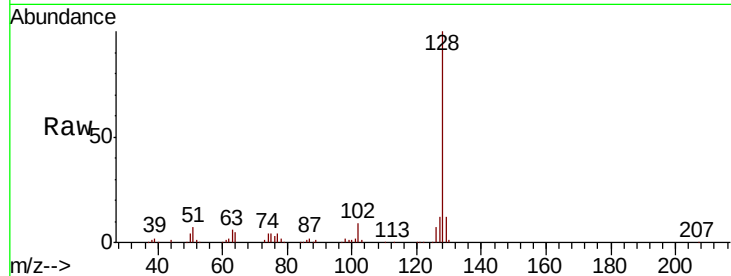
ClientSampleId :

VU0801MBS02

Tot Ion:	128	Resp:	216913
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.5	15.7
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:41:43 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.284 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Tgt Ion:	180	Resp:	72693
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.8	143.3
145	31.6	15.6	46.8

