

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027231.D
 Acq On : 27 Sep 2018 17:54
 Operator : MD/SY
 Sample : VU0928WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Manual Integrations
 APPROVED

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 10/2/2018 1:07:00 PM

Quant Time: Sep 28 04:15:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	80798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	134090	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	131576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71396	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	76646	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
35) Dibromofluoromethane	4.88	113	56118	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
50) Toluene-d8	7.57	98	201406	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	
62) 4-Bromofluorobenzene	10.31	95	74293	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	25275	23.959	ug/l	99
3) Chloromethane	1.33	50	37847	20.809	ug/l	99
4) Vinyl Chloride	1.40	62	36769	21.657	ug/l	98
5) Bromomethane	1.62	94	18336	18.965	ug/l	99
6) Chloroethane	1.70	64	23254	21.437	ug/l	98
7) Trichlorofluoromethane	1.89	101	40899	21.210	ug/l	99
8) Diethyl Ether	2.11	74	19088	20.566	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	24808	20.924	ug/l	99
10) Methyl Iodide	2.41	142	11358	7.724	ug/l	99
11) Tert butyl alcohol	2.83	59	32855	88.146	ug/l	98
12) 1,1-Dichloroethene	2.28	96	22063	19.771	ug/l	88
13) Acrolein	2.20	56	10889	54.193	ug/l	98
14) Allyl chloride	2.59	41	51982	22.966	ug/l	98
15) Acrylonitrile	2.94	53	101229	107.755	ug/l	98
16) Acetone	2.32	43	103338	110.363	ug/l	100
17) Carbon Disulfide	2.48	76	78999	21.731	ug/l	99
18) Methyl Acetate	2.62	43	55086	23.799	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	90590	22.091	ug/l	99
20) Methylene Chloride	2.70	84	30640	21.038	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	25885	21.726	ug/l	95
22) Diisopropyl ether	3.58	45	115095	23.774	ug/l	98
23) Vinyl Acetate	3.53	43	479896	116.289	ug/l	99
24) 1,1-Dichloroethane	3.45	63	59935	22.478	ug/l	100
25) 2-Butanone	4.26	43	144749	105.917	ug/l	99
26) 2,2-Dichloropropane	4.23	77	47765	22.970	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	29944	22.254	ug/l	98
28) Bromochloromethane	4.55	49	27472	21.374	ug/l	95
29) Tetrahydrofuran	4.64	42	91230	110.352	ug/l	98
30) Chloroform	4.67	83	54527	22.031	ug/l	99
31) Cyclohexane	5.00	56	54300	22.082	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	45036	22.790	ug/l	97
36) 1,1-Dichloropropene	5.14	75	39911	22.302	ug/l	98
37) Ethyl Acetate	4.38	43	52614	21.718	ug/l	99
38) Carbon Tetrachloride	5.14	117	37927	22.270	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	44280	22.769	ug/l	96
40) Benzene	5.39	78	121595	22.351	ug/l	99
41) Methacrylonitrile	4.54	41	29221	23.225	ug/l	98
42) 1,2-Dichloroethane	5.41	62	47266	22.996	ug/l	99
43) Isopropyl Acetate	5.55	43	79665	22.548	ug/l	99
44) Trichloroethene	6.19	130	25811	22.286	ug/l	99
45) 1,2-Dichloropropane	6.43	63	35251	22.741	ug/l	99
46) Dibromomethane	6.56	93	20535	21.934	ug/l	99
47) Bromodichloromethane	6.76	83	42532	22.468	ug/l	97
48) Methyl methacrylate	6.62	41	39717	21.248	ug/l	98
49) 1,4-Dioxane	6.61	88	11045	287.982	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	272830	114.817	ug/l	99
52) Toluene	7.64	92	71702	22.993	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	45933	22.584	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	51501	23.029	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	30175	22.837	ug/l	99
56) Ethyl methacrylate	8.02	69	44386	20.704	ug/l	98
57) 1,3-Dichloropropane	8.24	76	56748	23.091	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	109098	87.080	ug/l	99
59) 2-Hexanone	8.36	43	205551	110.508	ug/l	98
60) Dibromochloromethane	8.48	129	28597	22.064	ug/l	97
61) 1,2-Dibromoethane	8.59	107	31347	22.801	ug/l	96
64) Tetrachloroethene	8.23	164	22337	22.031	ug/l	99
65) Chlorobenzene	9.12	112	73264	21.000	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	26614	22.148	ug/l	98
67) Ethyl Benzene	9.25	91	125488	21.874	ug/l	100
68) m/p-Xylenes	9.38	106	96724	42.507	ug/l	98
69) o-Xylene	9.78	106	44890	22.085	ug/l	98
70) Styrene	9.79	104	74938	20.840	ug/l	99
71) Bromoform	9.96	173	20351	21.901	ug/l #	97
73) Isopropylbenzene	10.17	105	124355	22.897	ug/l	99
74) N-amyl acetate	10.02	43	67272	21.399	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	51826	20.755	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	45828m	21.129	ug/l	
77) Bromobenzene	10.45	156	29180	21.987	ug/l	97
78) n-propylbenzene	10.59	91	149933	23.332	ug/l	99
79) 2-Chlorotoluene	10.66	91	91412	22.647	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	104983	23.417	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	12758m	18.823	ug/l	
82) 4-Chlorotoluene	10.77	91	102930	22.742	ug/l	99
83) tert-Butylbenzene	11.10	119	95557	21.559	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	106504	23.343	ug/l	100
85) sec-Butylbenzene	11.32	105	123629	22.850	ug/l	100
86) p-Isopropyltoluene	11.48	119	104946	21.215	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	53121	21.509	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	53875	20.015	ug/l	98
89) n-Butylbenzene	11.89	91	92434	20.276	ug/l	99
90) Hexachloroethane	12.15	117	20410	20.744	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	53453	20.375	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10397	20.410	ug/l	98

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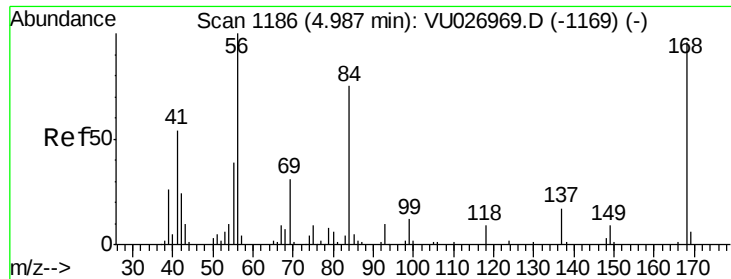
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	31361	20.744	ug/l	99
94) Hexachlorobutadiene	13.69	225	17209	21.514	ug/l	100
95) Naphthalene	13.75	128	103945	18.680	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	34160	21.070	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

Tot Ion:168 Resp: 80798

Ion Ratio Lower Upper

168 100

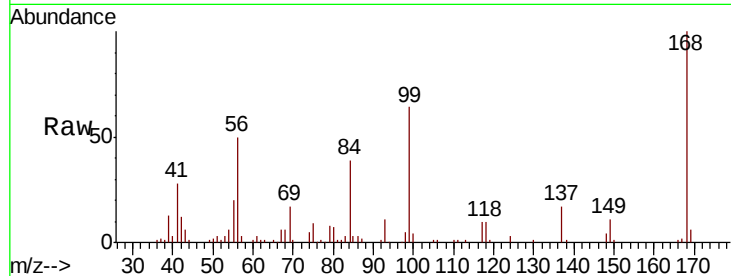
99 62.7 48.1 72.1

Manual Integrations

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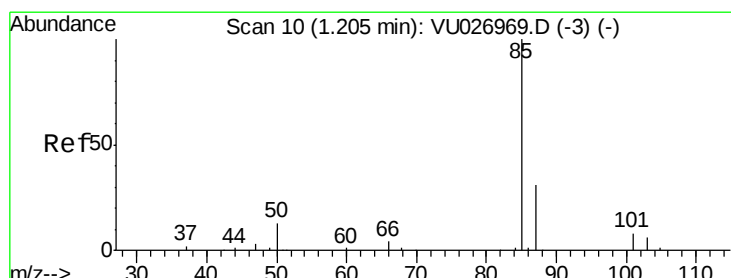
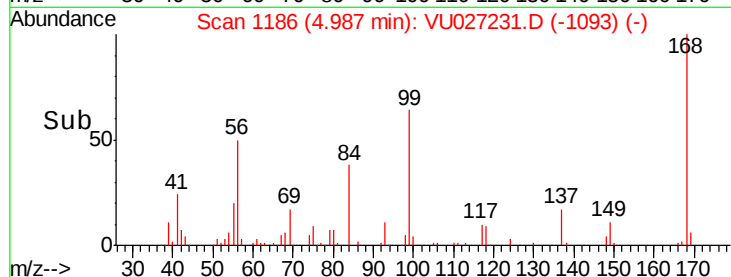
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 23.959 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027231.D

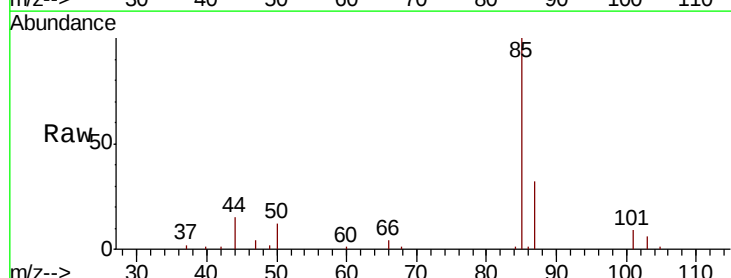
Acq: 27 Sep 2018 17:54

Tgt Ion: 85 Resp: 25275

Ion Ratio Lower Upper

85 100

87 31.9 15.6 46.7



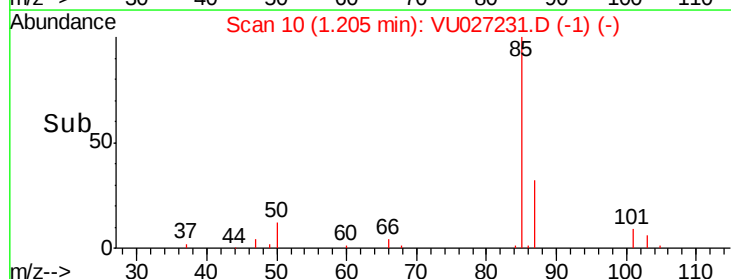
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

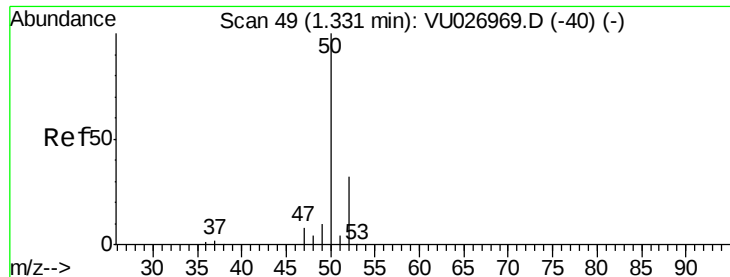
Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.809 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

Tot Ion: 50 Resp: 37847

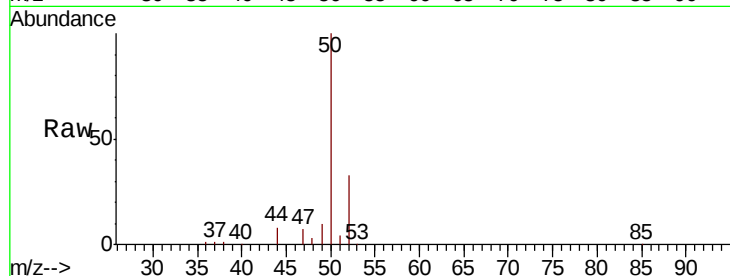
Ion Ratio Lower Upper

50 100

52 32.8 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VU027231.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU027231.D (-1) (-)

1.33

40000

30000

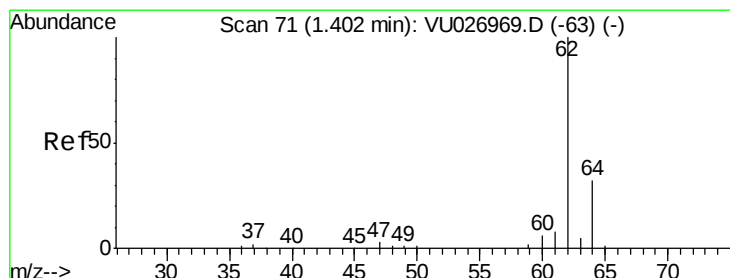
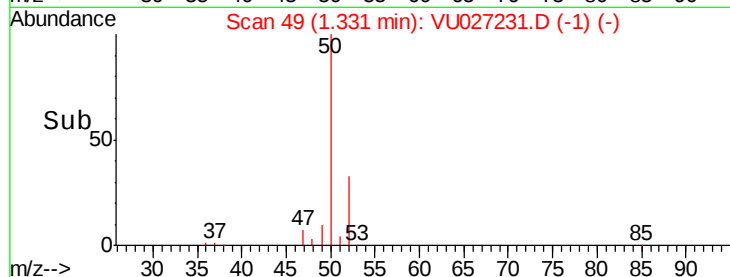
20000

10000

0

1.30 1.35

Time-->



#4

Vinyl Chloride

Concen: 21.657 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027231.D

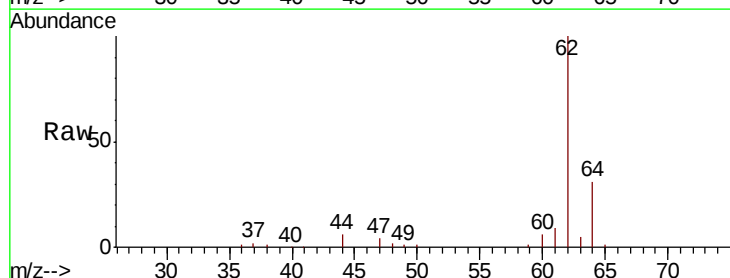
Acq: 27 Sep 2018 17:54

Tgt Ion: 62 Resp: 36769

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU027231.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU027231.D (-1) (-)

1.40

40000

30000

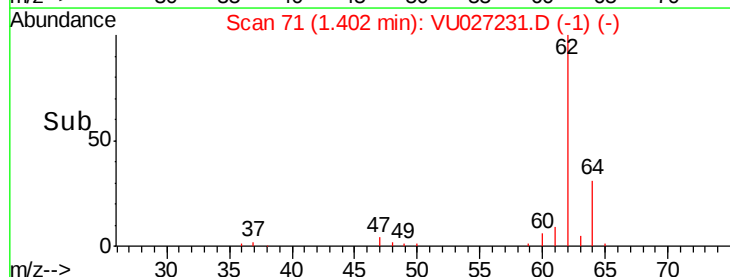
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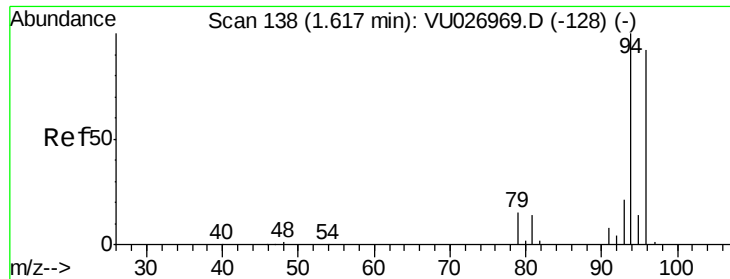
10000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 18.965 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

Tot Ion: 94 Resp: 18336

Ion Ratio Lower Upper

94 100

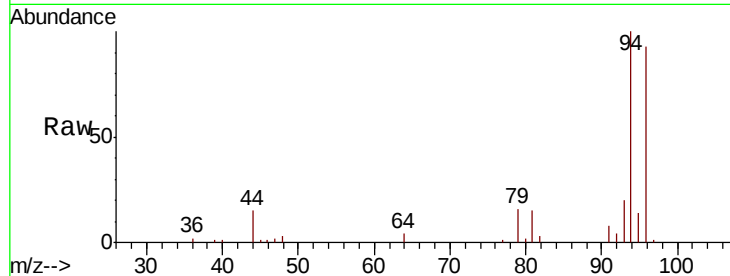
96 92.8 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

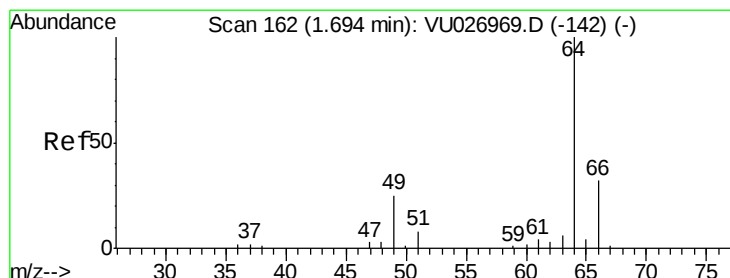
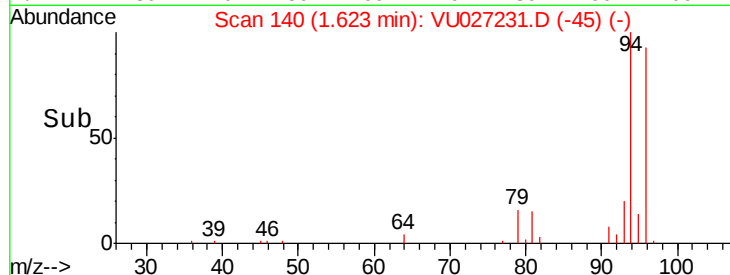
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 21.437 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027231.D

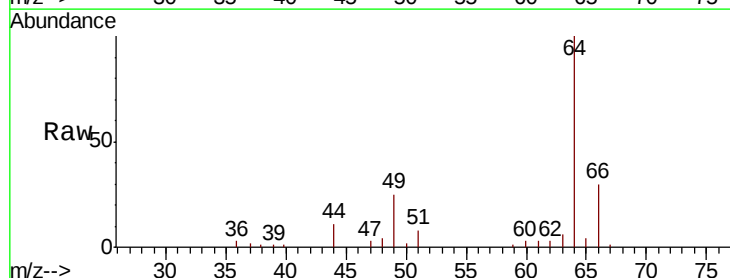
Acq: 27 Sep 2018 17:54

Tgt Ion: 64 Resp: 23254

Ion Ratio Lower Upper

64 100

66 30.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

20000

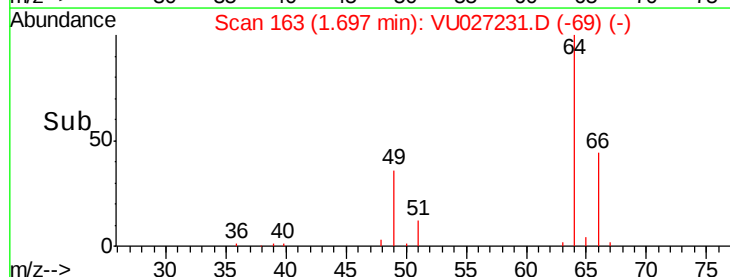
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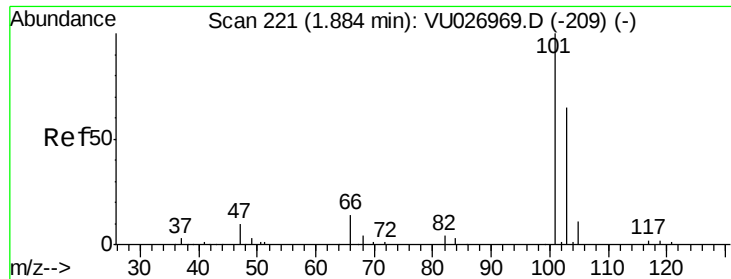
10000

5000

0

Time-->





#7

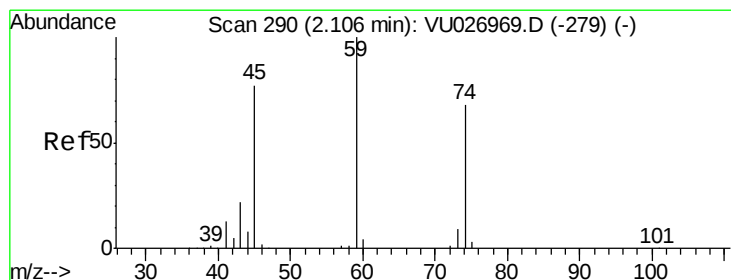
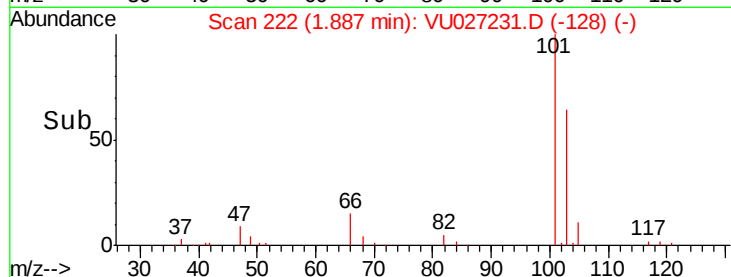
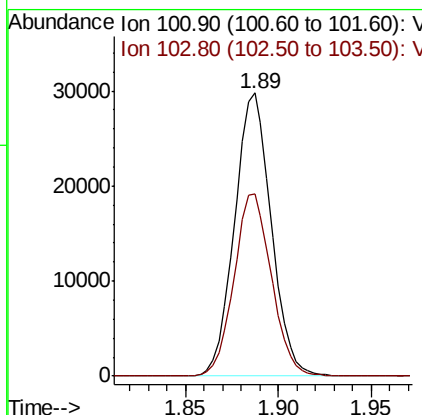
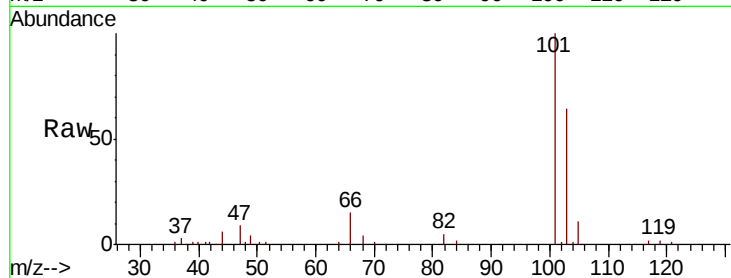
Trichlorofluoromethane
 Concen: 21.210 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Instrument :
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 ClientSampleId :
 VU0928WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.2

Manual Integrations
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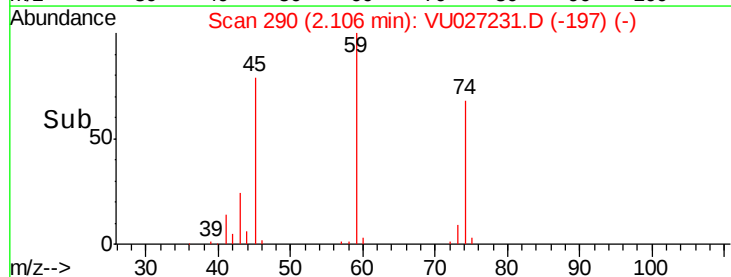
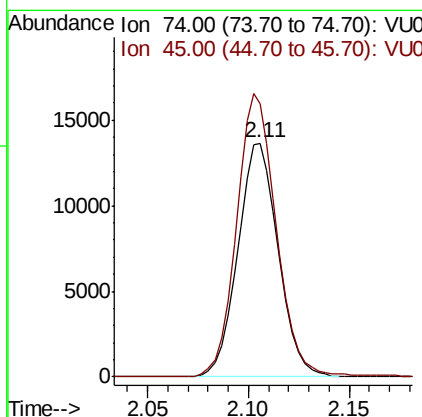
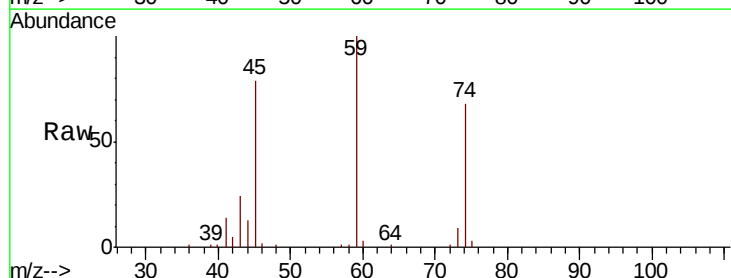
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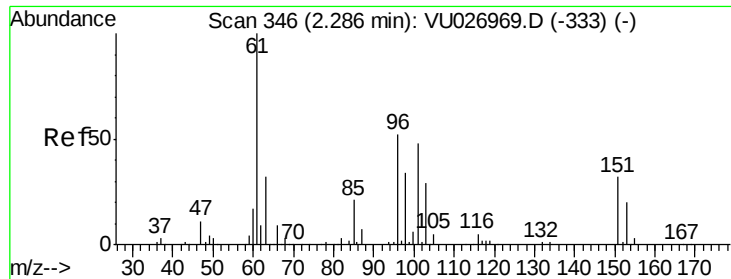


#8

Diethyl Ether
 Concen: 20.566 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.4	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.924 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

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MSVOA_U

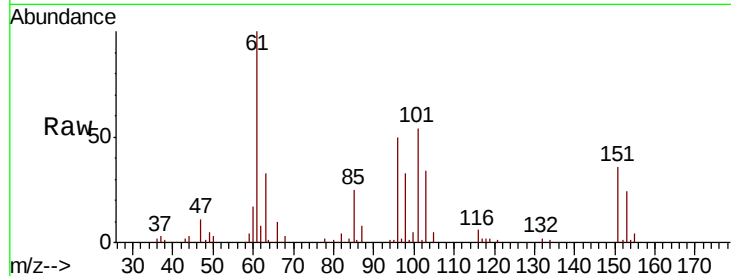
ClientSampleId :

VU0928WBS01

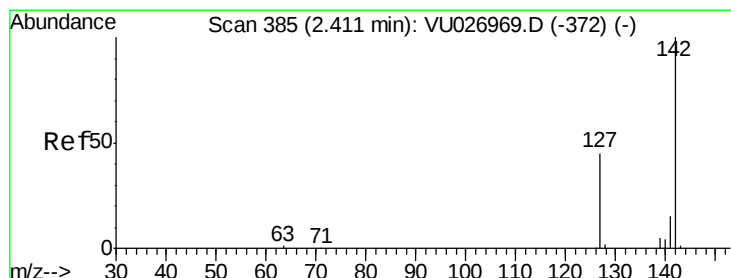
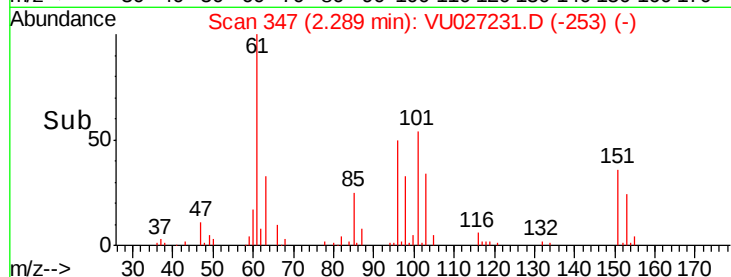
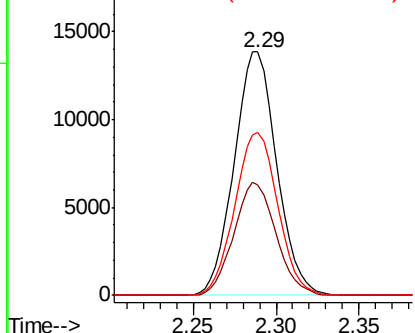
Tot Ion:	101	Resp:	24808
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.2	54.2
151	67.5	54.5	81.7

Manual Integrations
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10/2/2018 1:07:00 PM



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



#10

Methyl Iodide

Concen: 7.724 ug/l

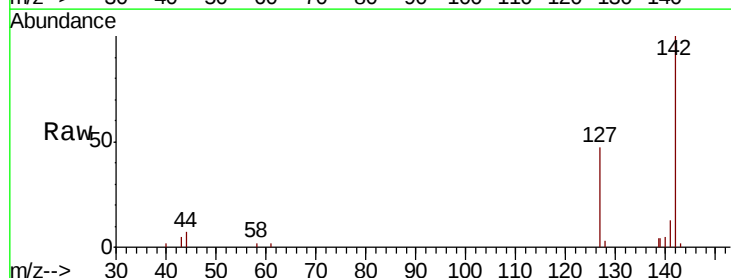
RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

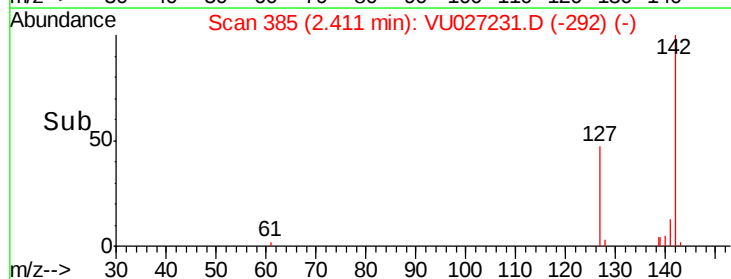
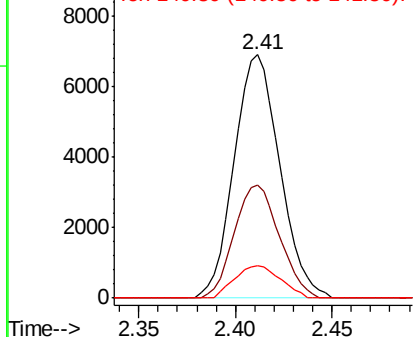
Lab File: VU027231.D

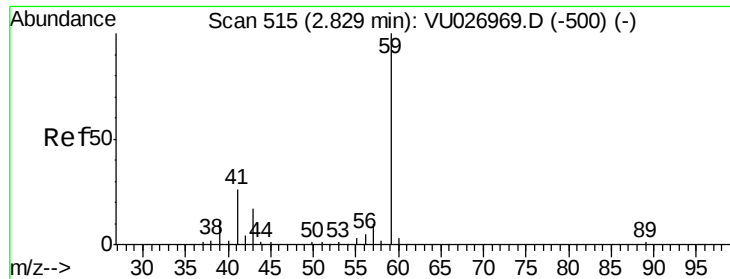
Acq: 27 Sep 2018 17:54

Tgt Ion:	142	Resp:	11358
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.7	55.1
141	13.3	11.8	17.6



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





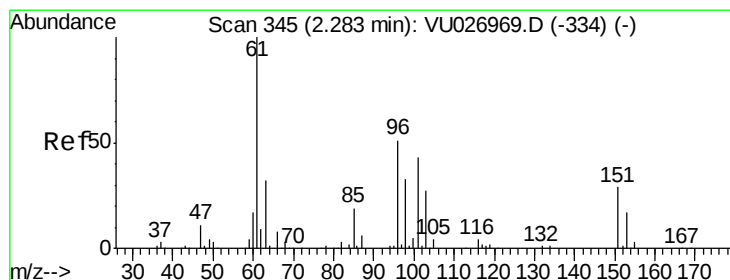
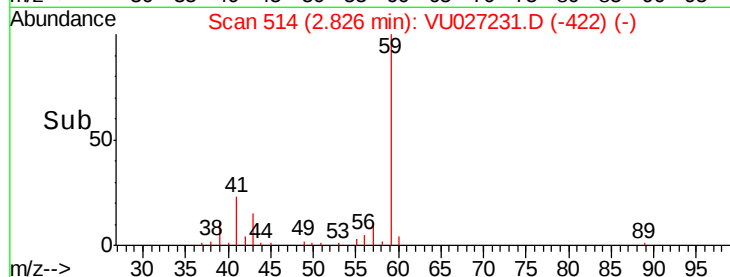
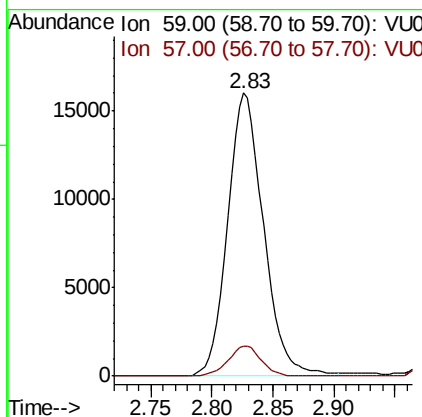
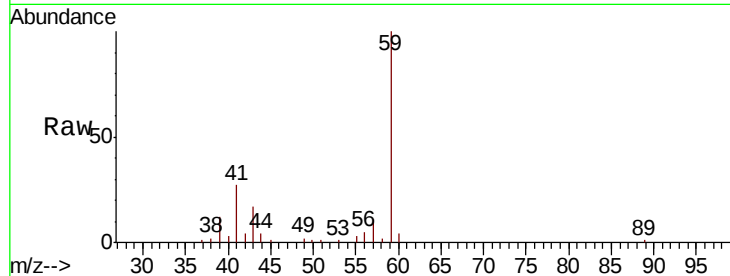
#11
Tert butyl alcohol
Concen: 88.146 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	32855		
57	9.7		8.5	12.7

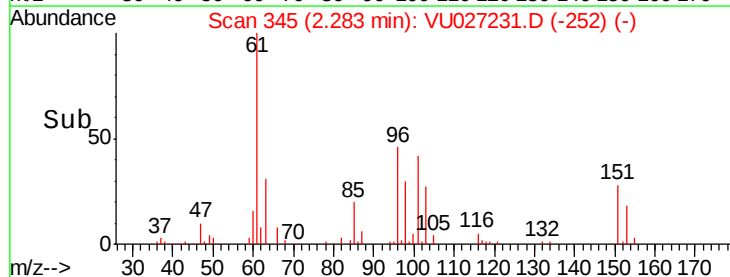
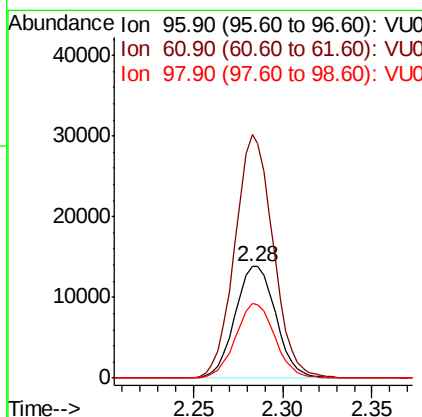
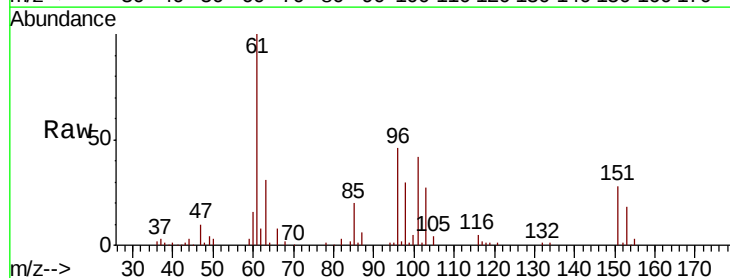
Manual Integrations
APPROVED

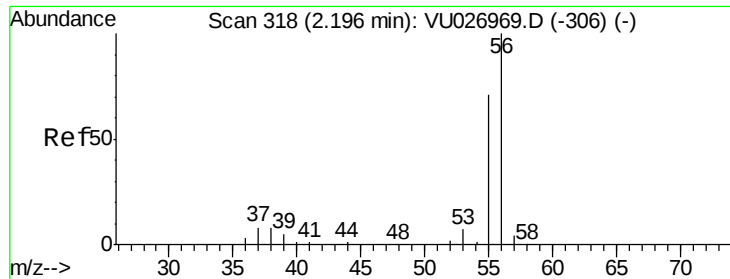
MMDadoda
10/2/2018 1:07:00 PM



#12
1,1-Dichloroethene
Concen: 19.771 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	22063		
61	218.0		156.1	234.1
98	66.4		51.4	77.0





#13

Acrolein

Concen: 54.193 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

Tot Ion: 56 Resp: 10889

Ion Ratio Lower Upper

56 100

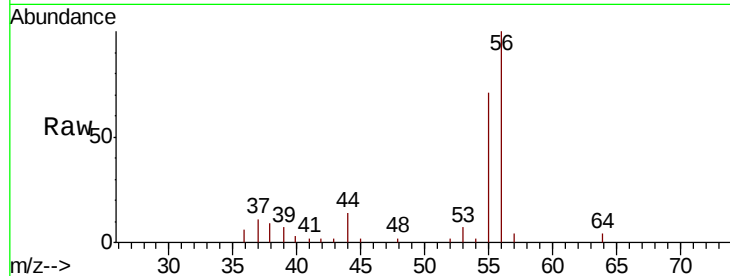
55 69.5 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

8000

6000

4000

2000

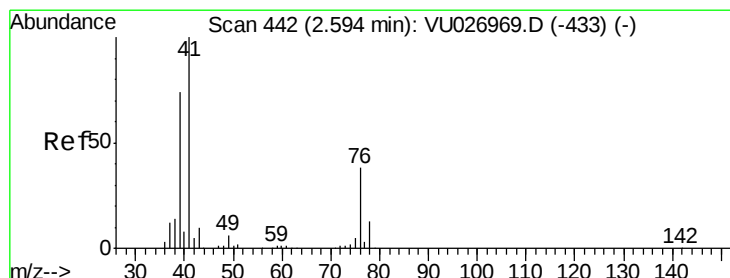
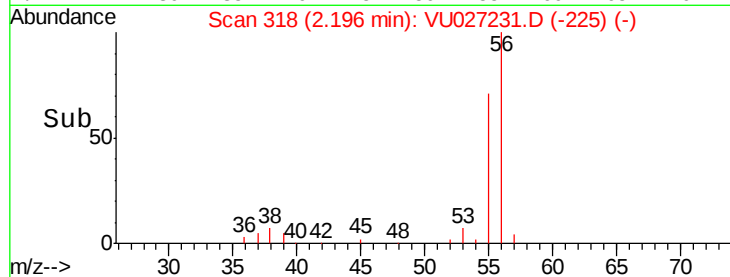
0

Time-->

2.15

2.20

2.25



#14

Allyl chloride

Concen: 22.966 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

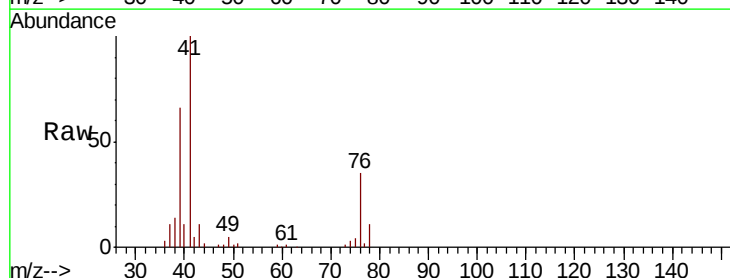
Tgt Ion: 41 Resp: 51982

Ion Ratio Lower Upper

41 100

39 67.8 55.7 83.5

76 32.3 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

40000

30000

20000

10000

0

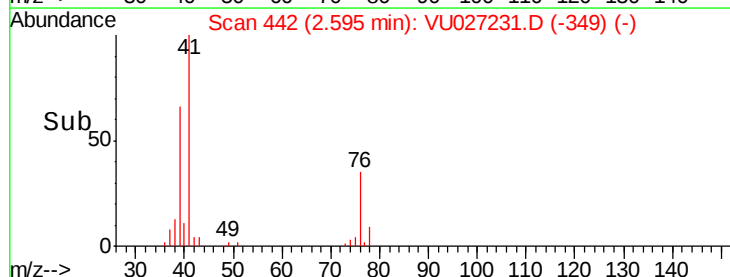
Time-->

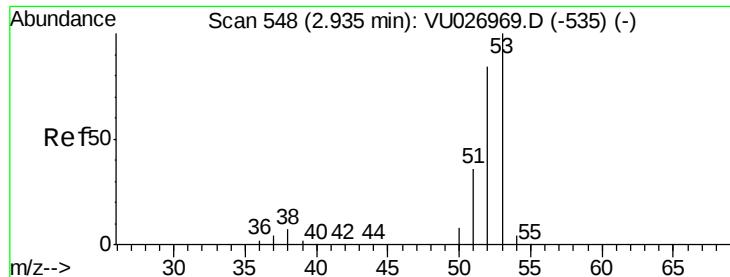
2.55

2.60

2.65

2.70





#15

Acrylonitrile

Concen: 107.755 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

Tot Ion: 53 Resp: 101229

Ion Ratio Lower Upper

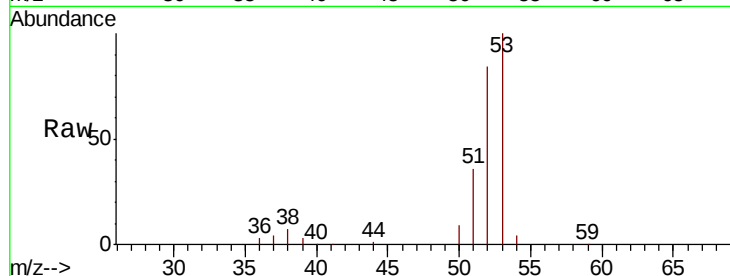
53 100

52 83.6 65.7 98.5

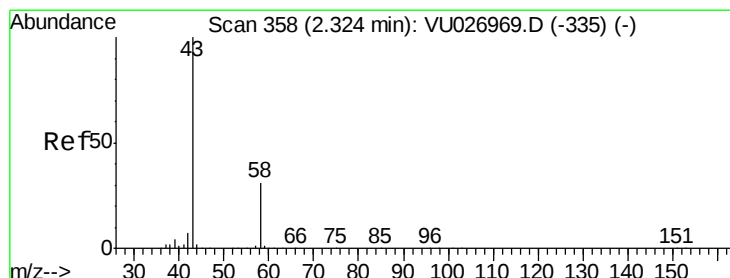
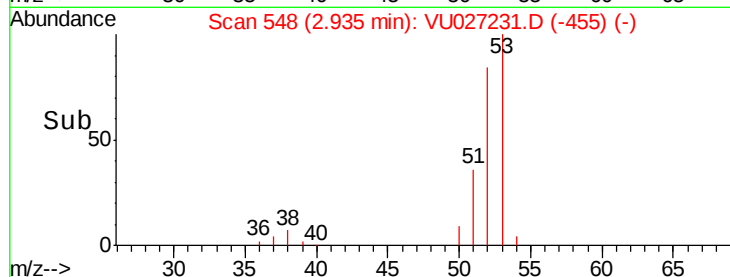
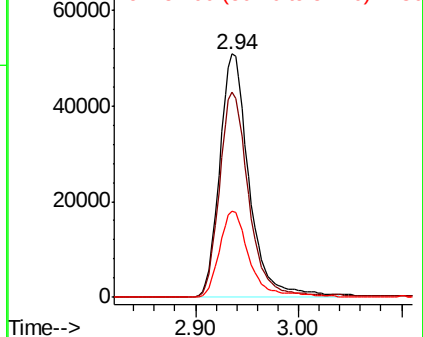
51 36.4 27.4 41.2

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 110.363 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027231.D

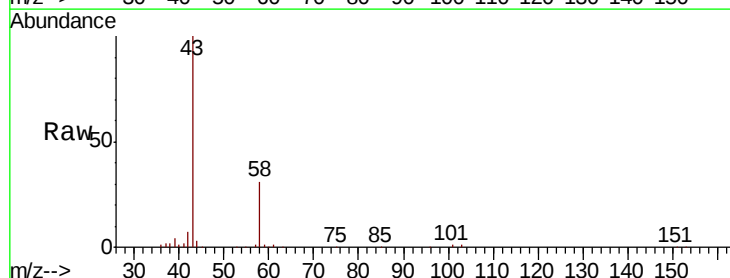
Acq: 27 Sep 2018 17:54

Tgt Ion: 43 Resp: 103338

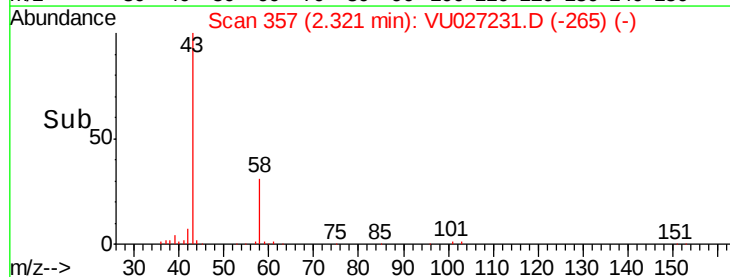
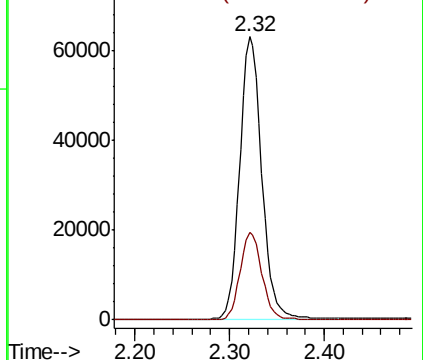
Ion Ratio Lower Upper

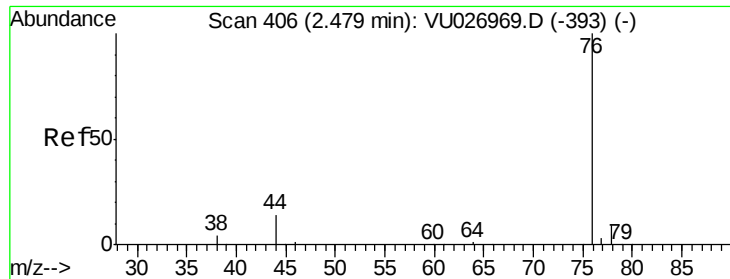
43 100

58 30.9 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 21.731 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

Tot Ion: 76 Resp: 78999

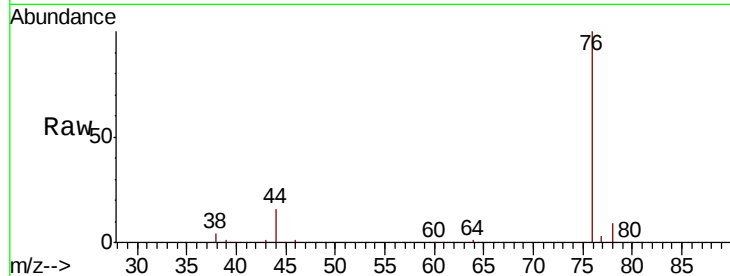
Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

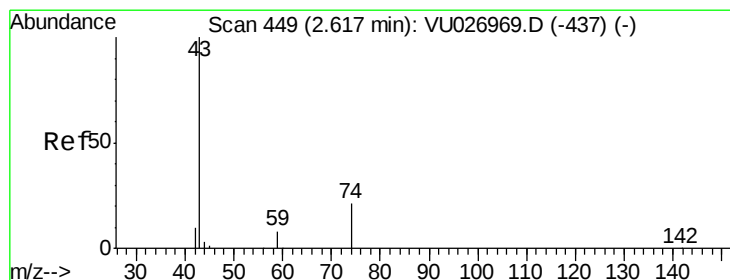
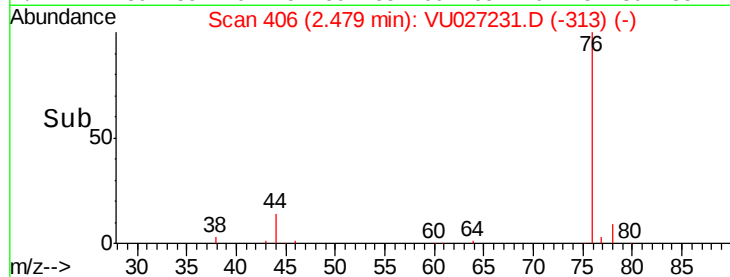
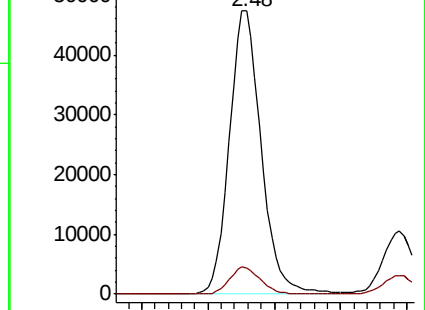
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VU027231.D (-313) (-)

Ion 77.90 (77.60 to 78.60): VU027231.D (-313) (-)



#18

Methyl Acetate

Concen: 23.799 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027231.D

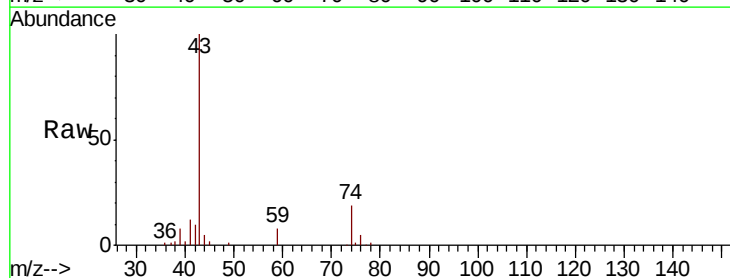
Acq: 27 Sep 2018 17:54

Tgt Ion: 43 Resp: 55086

Ion Ratio Lower Upper

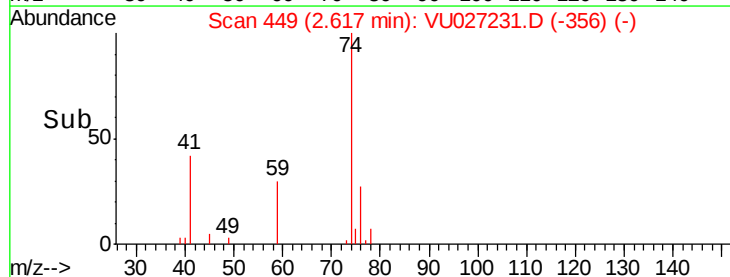
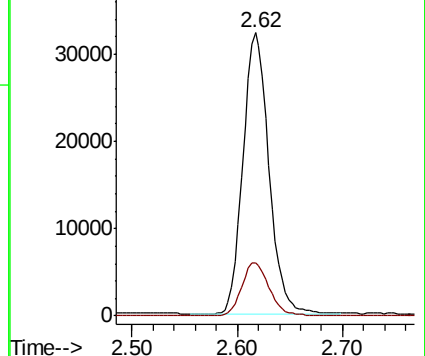
43 100

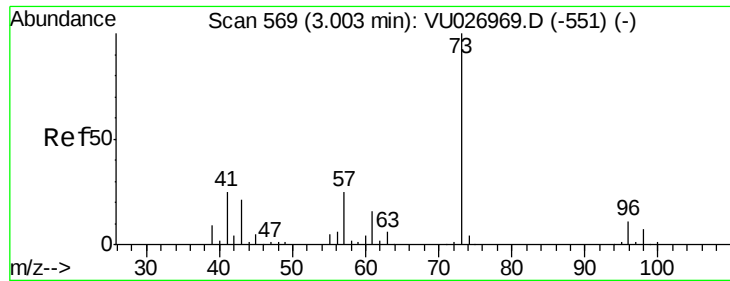
74 19.9 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU027231.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027231.D (-356) (-)





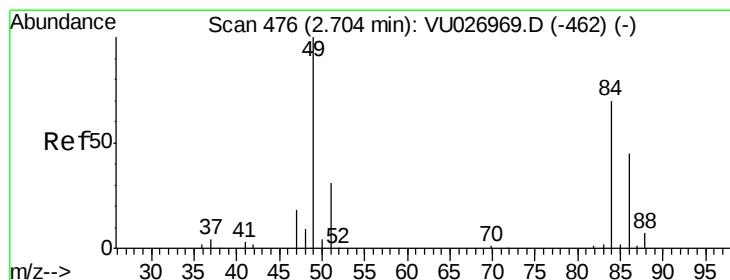
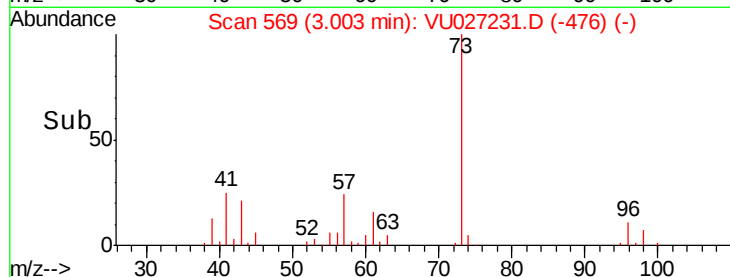
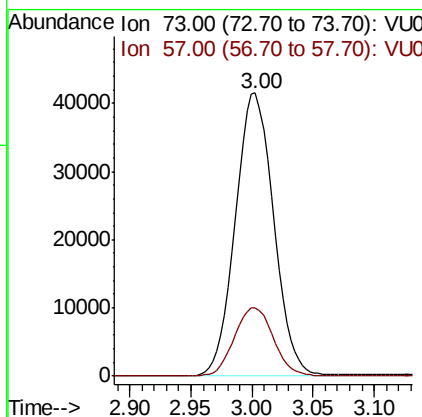
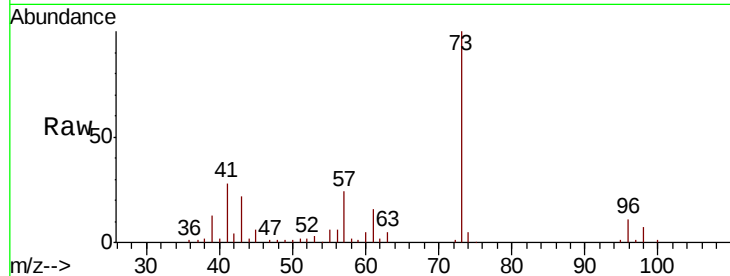
#19
Methyl tert-butyl Ether
Concen: 22.091 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.8	29.6

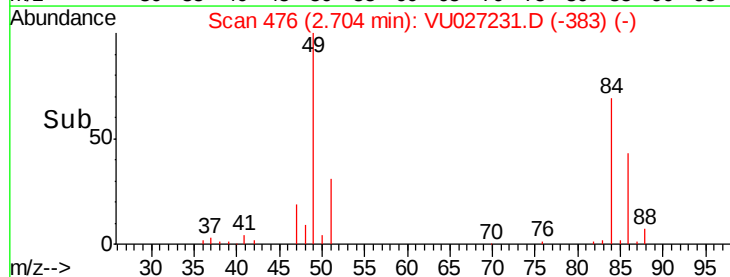
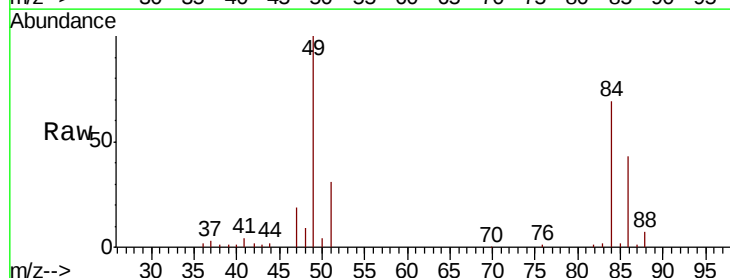
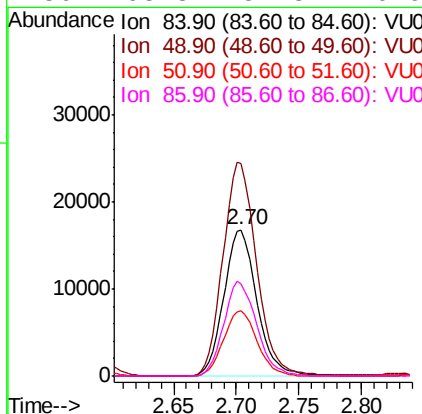
Manual Integrations
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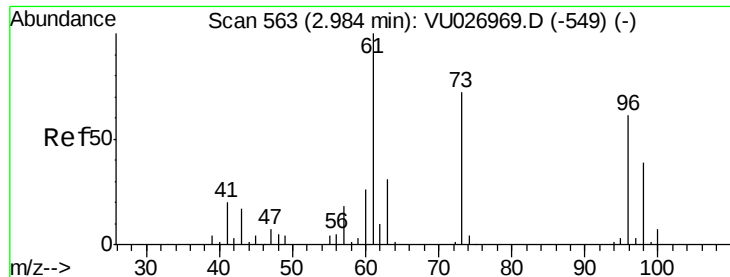
MMDadoda
10/2/2018 1:07:00 PM



#20
Methylene Chloride
Concen: 21.038 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.8	114.9	172.3
51	44.8	35.8	53.8
86	63.3	51.3	76.9





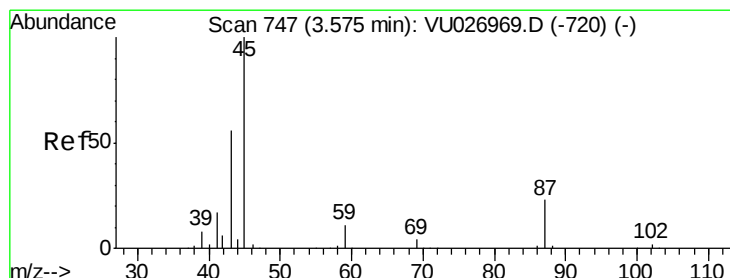
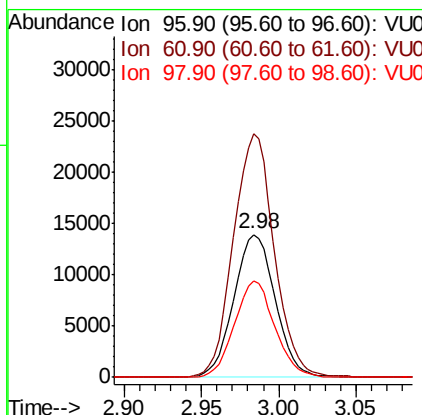
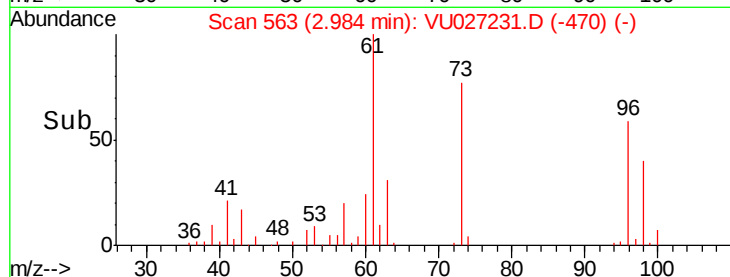
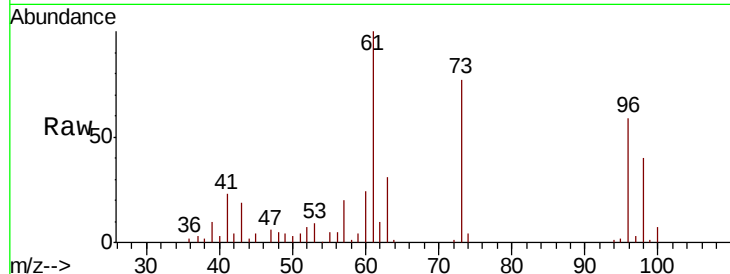
#21
trans-1,2-Dichloroethene
Concen: 21.726 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	170.8	131.8	197.6
98	67.6	50.9	76.3

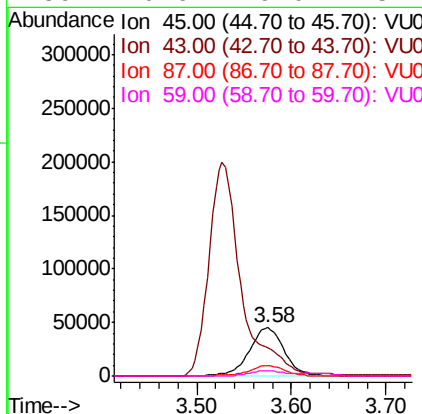
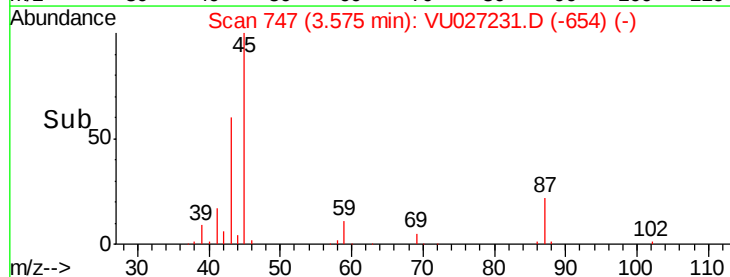
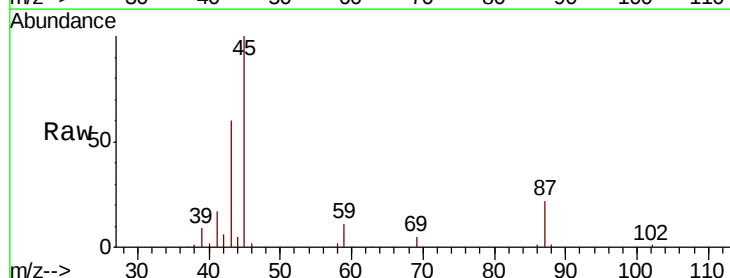
Manual Integrations
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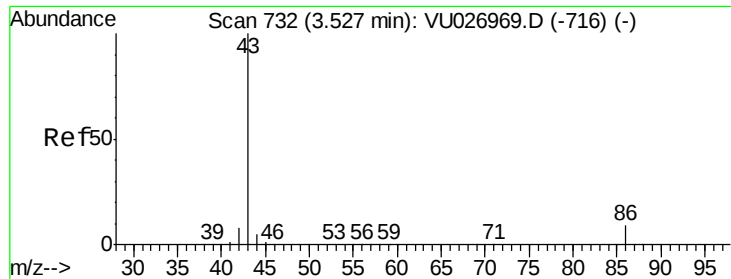
MMDadoda
10/2/2018 1:07:00 PM



#22
Diisopropyl ether
Concen: 23.774 ug/l
RT: 3.58 min Scan# 747
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.6	45.8	68.6
87	21.9	18.6	28.0
59	10.6	9.0	13.4





#23

Vinyl Acetate

Concen: 116.289 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

Tot Ion: 43 Resp: 479896

Ion Ratio Lower Upper

43 100

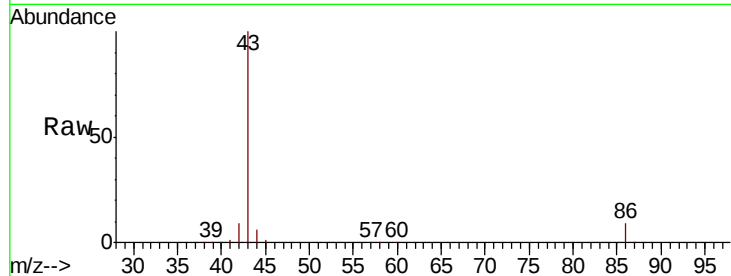
86 8.5 7.2 10.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027231.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027231.D (-639) (-)

3.53

200000

150000

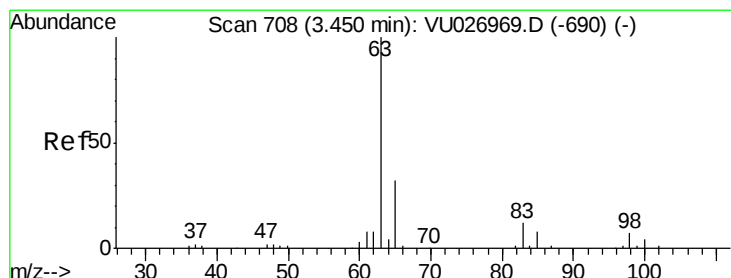
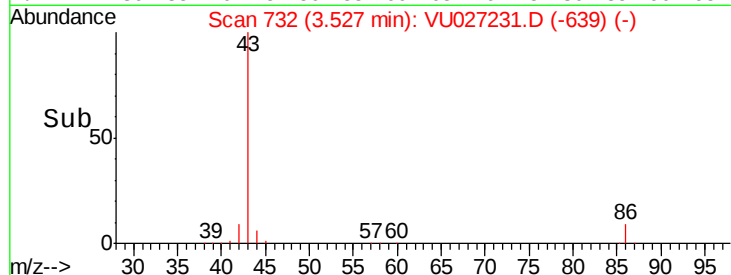
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 22.478 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

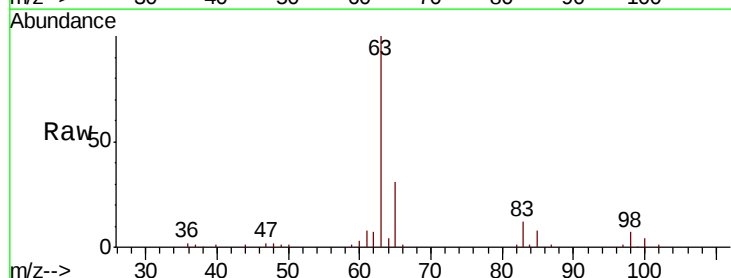
Tgt Ion: 63 Resp: 59935

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027231.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027231.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027231.D (-615) (-)

3.45

30000

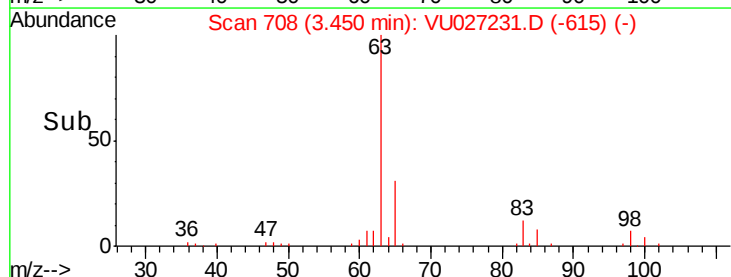
20000

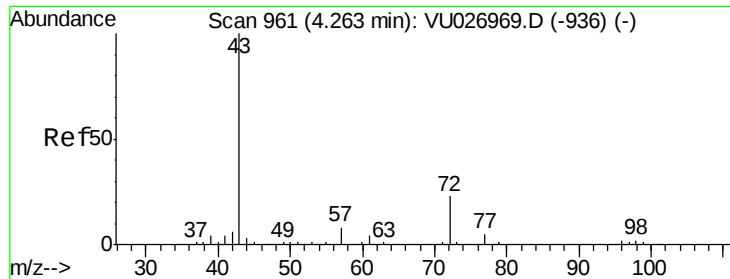
10000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 105.917 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

Tot Ion: 43 Resp: 144749

Ion Ratio Lower Upper

43 100

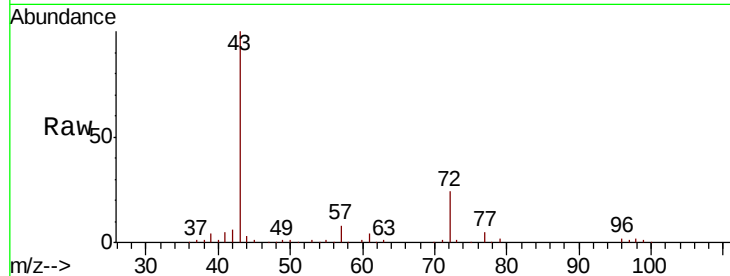
72 23.5 18.4 27.6

Manual Integrations

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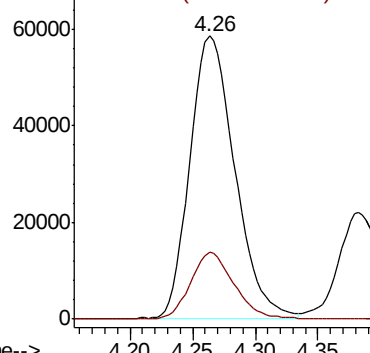
MMDadoda

10/2/2018 1:07:00 PM

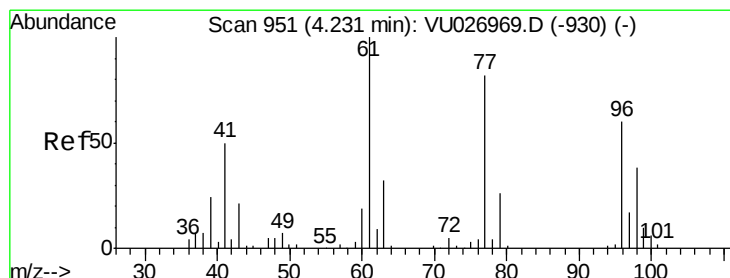
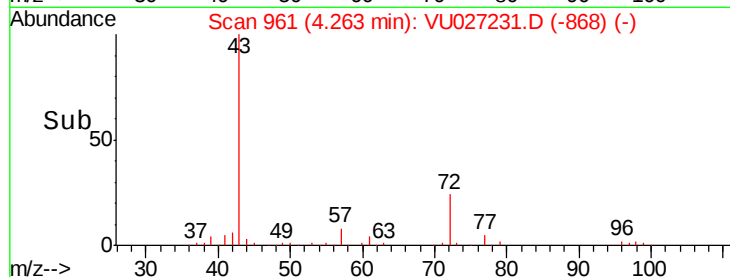


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



Time-->



#26

2,2-Dichloropropane

Concen: 22.970 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027231.D

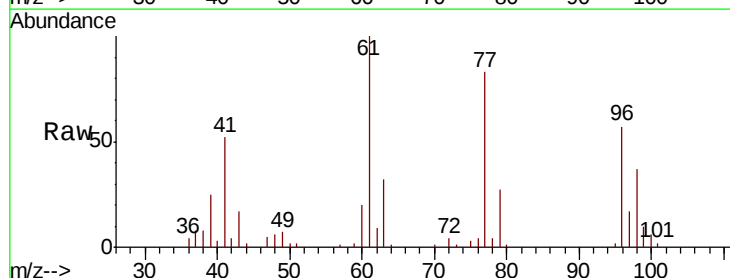
Acq: 27 Sep 2018 17:54

Tgt Ion: 77 Resp: 47765

Ion Ratio Lower Upper

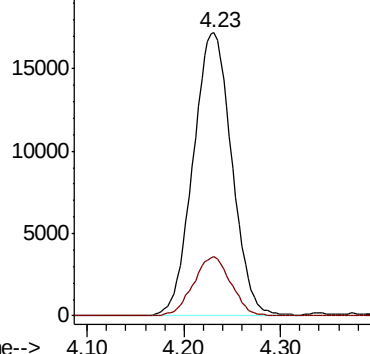
77 100

97 20.1 10.5 31.5

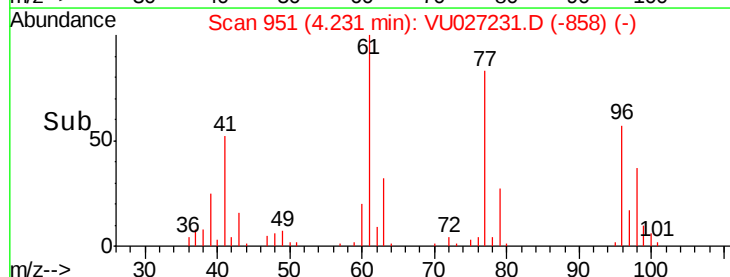


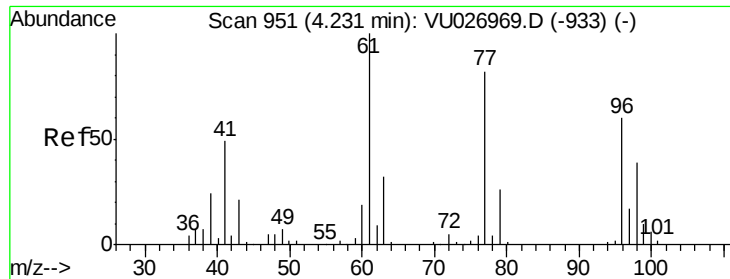
Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



Time-->





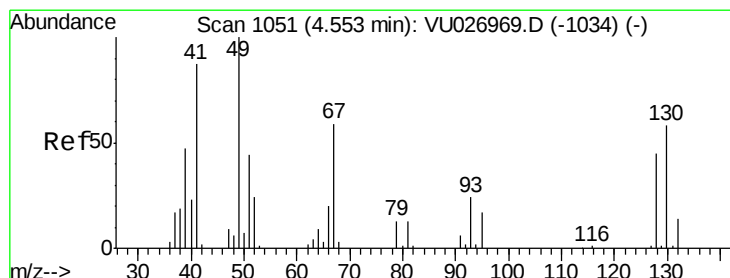
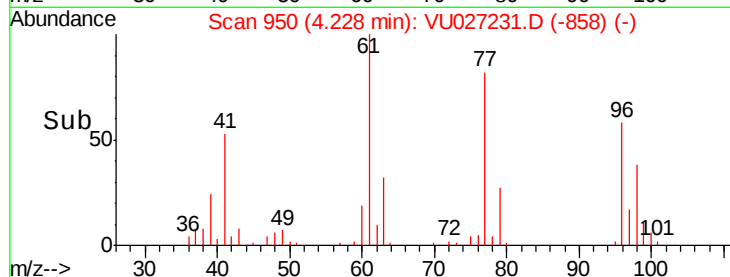
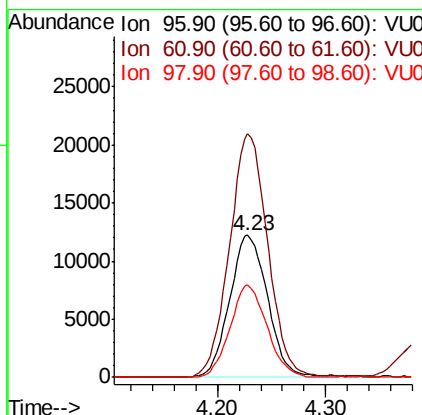
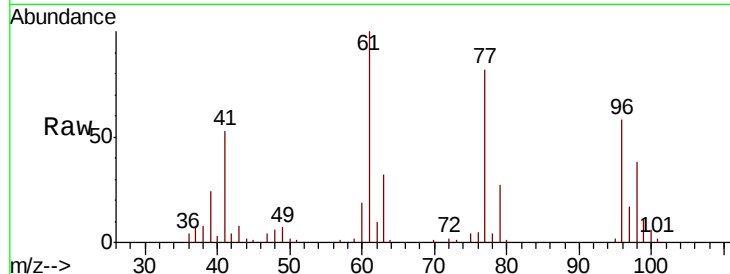
#27
 cis-1,2-Dichloroethene
 Concen: 22.254 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	172.4	0.0	337.2
98	62.9	0.0	127.6

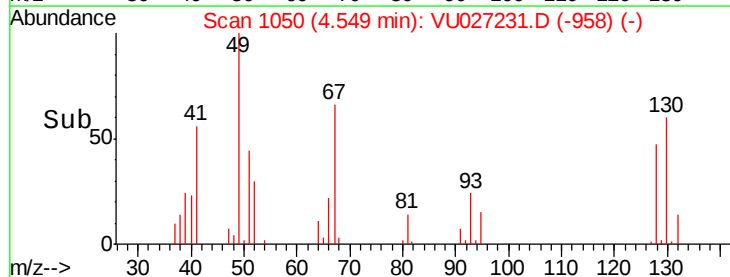
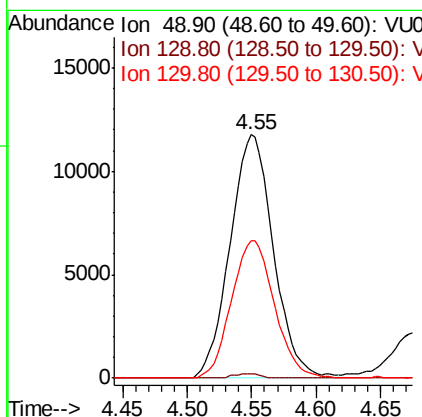
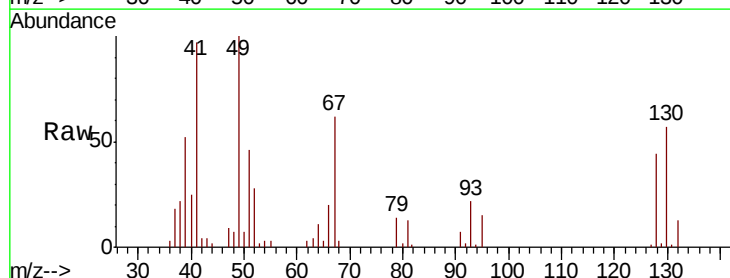
Manual Integrations
 APPROVED

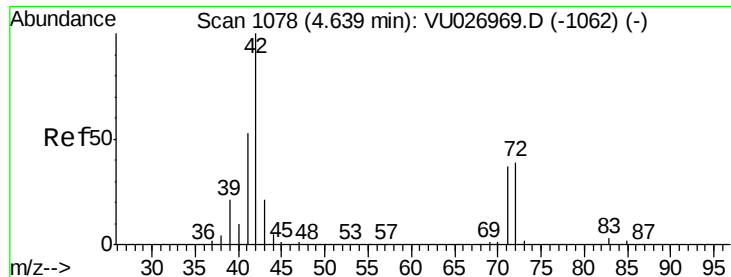
MMDadoda
 10/2/2018 1:07:00 PM



#28
 Bromochloromethane
 Concen: 21.374 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.0
130	55.9	47.8	71.8





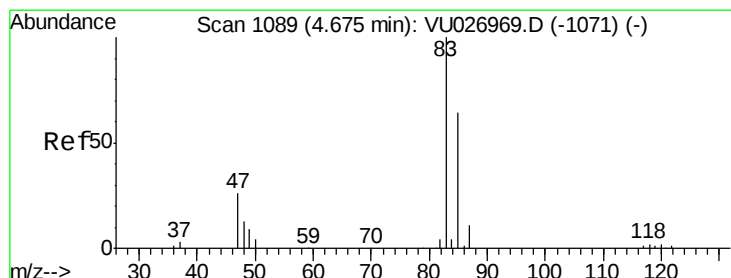
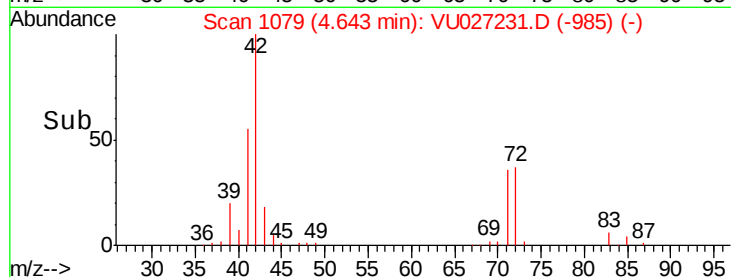
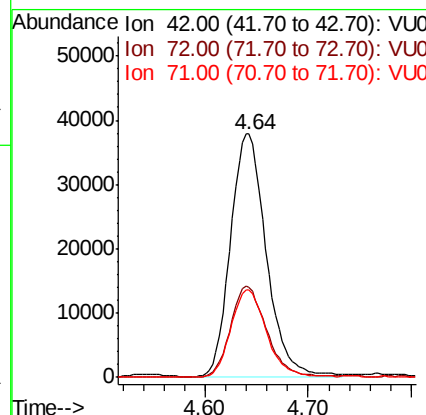
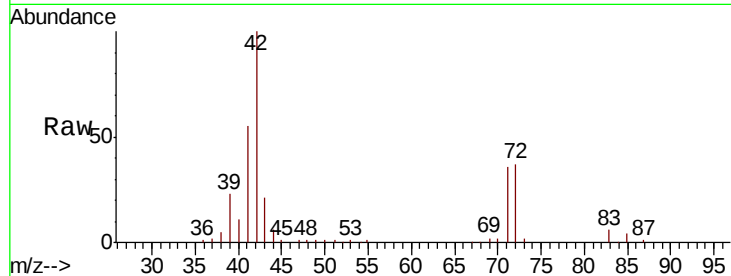
#29
Tetrahydrofuran
Concen: 110.352 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	31.7	47.5
71	35.9	29.6	44.4

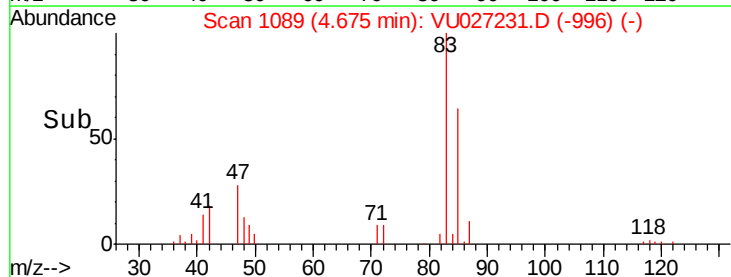
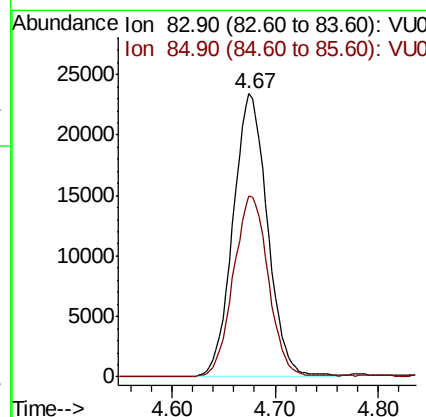
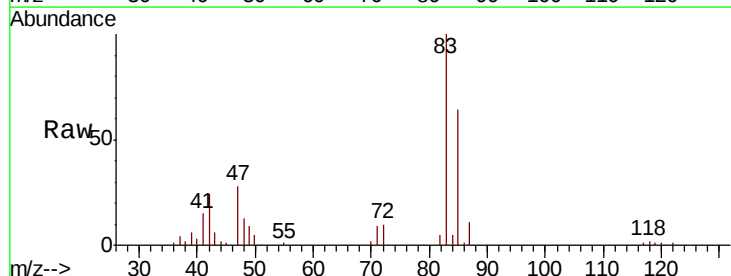
Manual Integrations
APPROVED

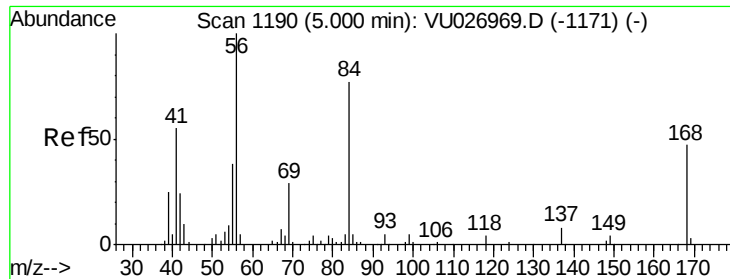
MMDadoda
10/2/2018 1:07:00 PM



#30
Chloroform
Concen: 22.031 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





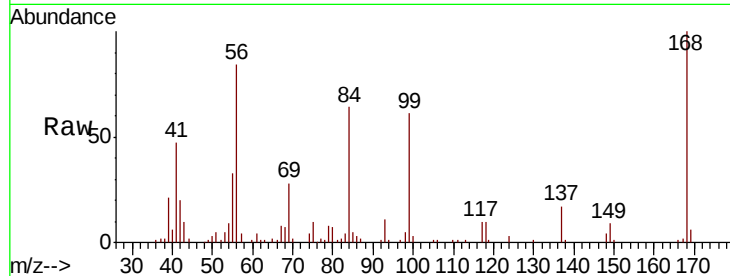
#31
Cyclohexane
Concen: 22.082 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	23.0	34.4
84	75.8	61.4	92.2

Manual Integrations
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MMDadoda
10/2/2018 1:07:00 PM

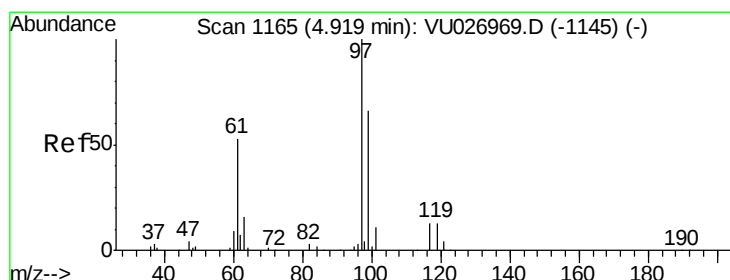
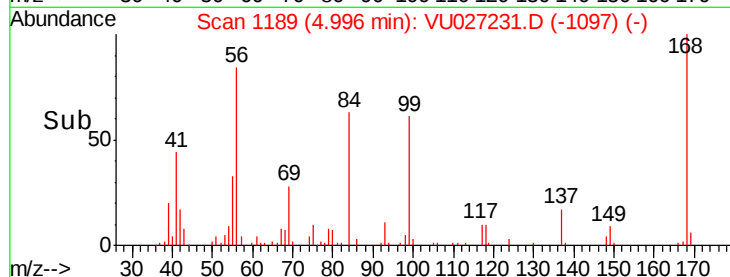
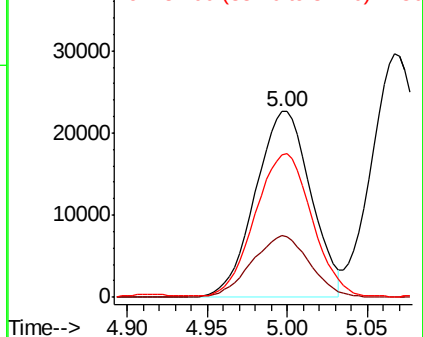


Abundance

Ion 56.00 (55.70 to 56.70): VU0

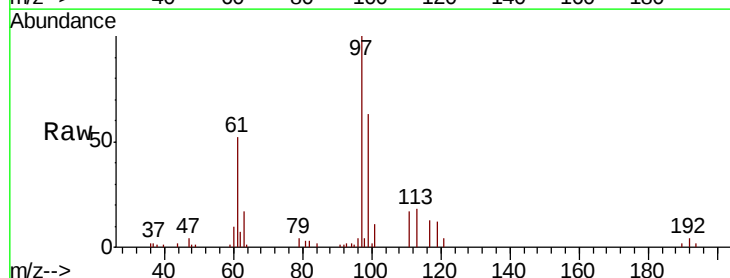
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32
1,1,1-Trichloroethane
Concen: 22.790 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.3	51.8	77.6
61	50.8	41.1	61.7

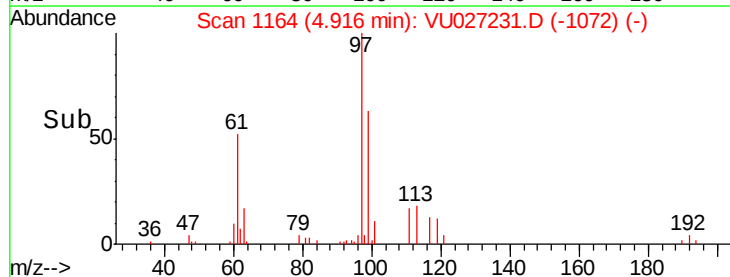
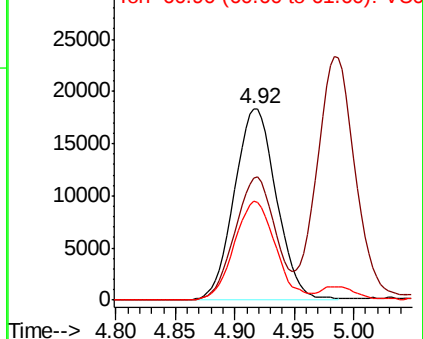


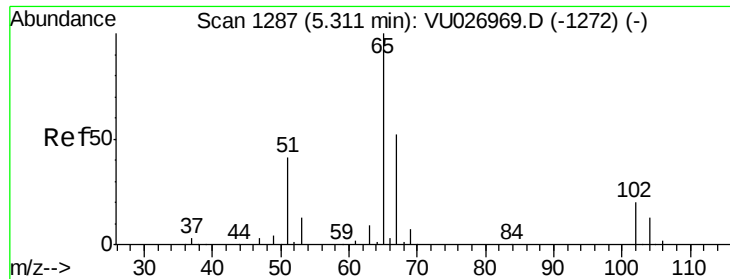
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





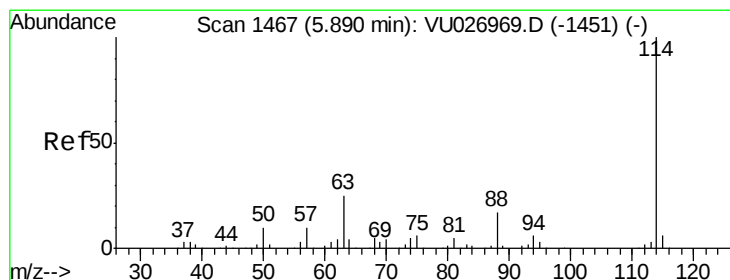
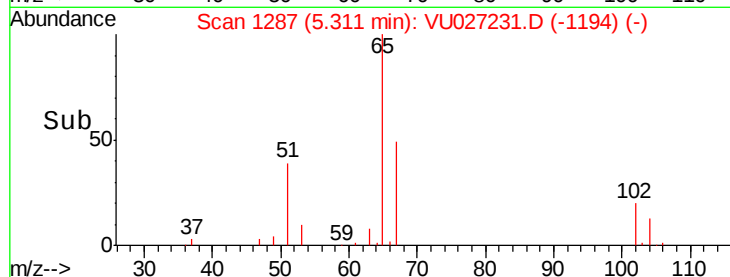
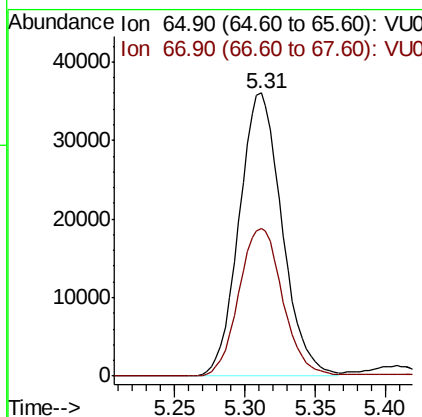
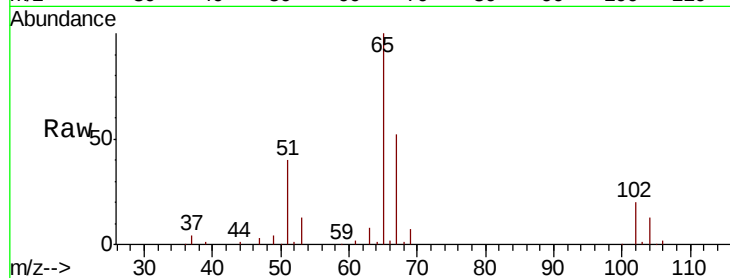
#33
 1,2-Dichloroethane-d4
 Concen: 47.132 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.6

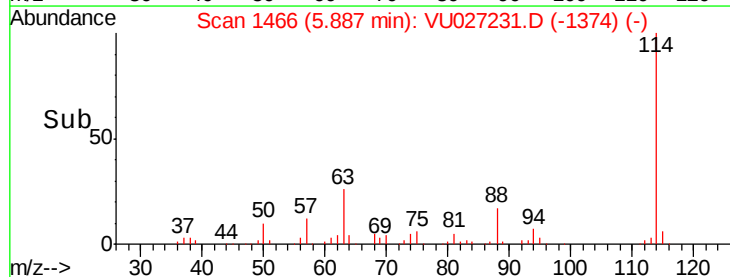
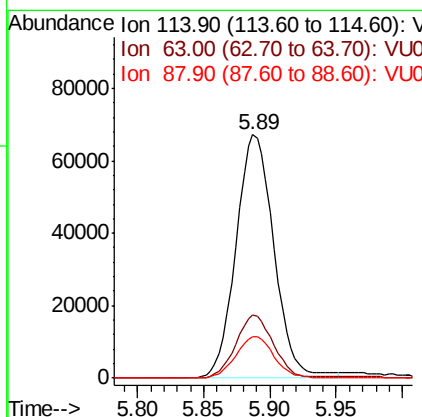
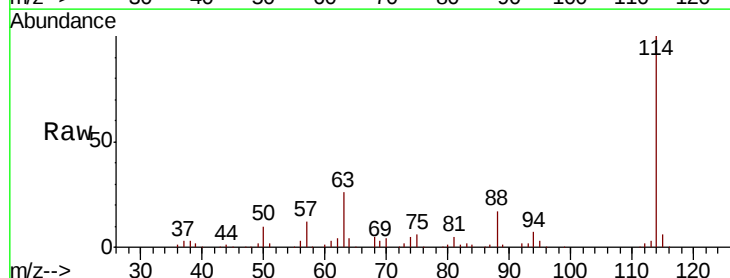
Manual Integrations
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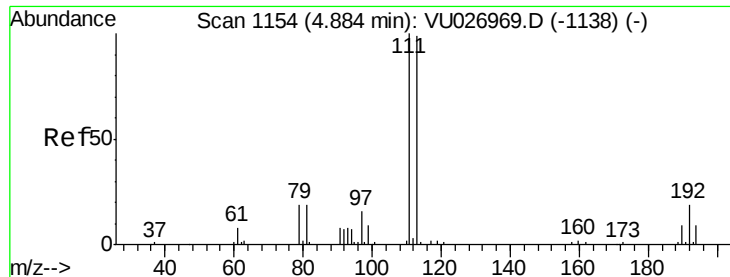
MMDadoda
 10/2/2018 1:07:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.9	0.0	49.2
88	17.1	0.0	33.8





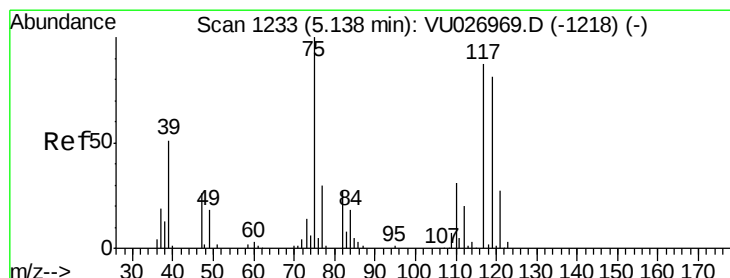
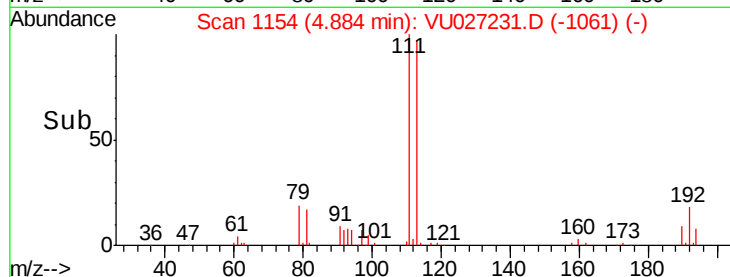
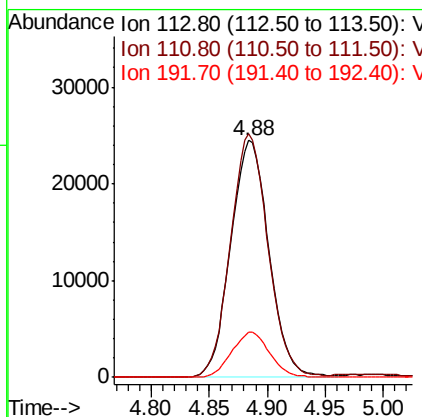
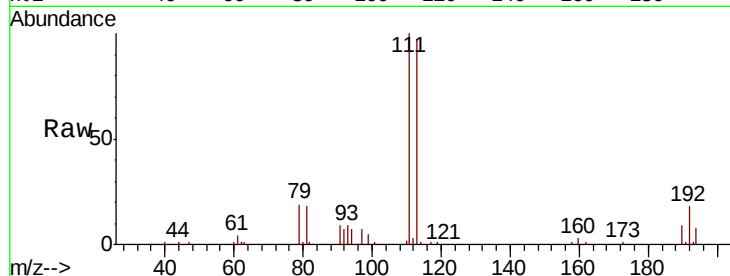
#35
 Dibromofluoromethane
 Concen: 48.282 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	56118		
111	100.8	82.2	123.4	
192	18.7	15.2	22.8	

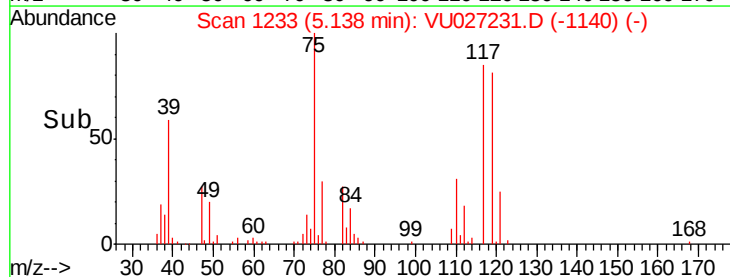
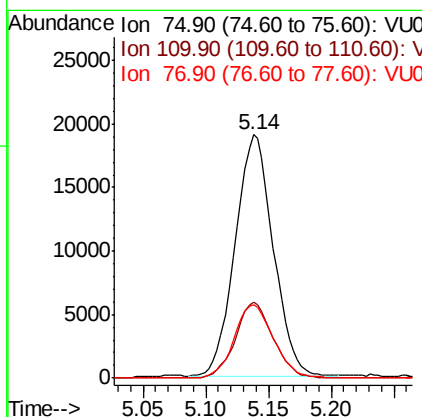
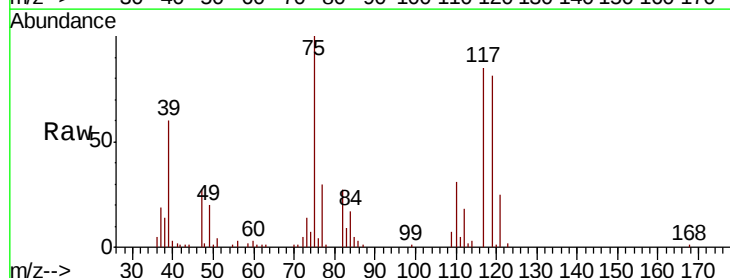
Manual Integrations
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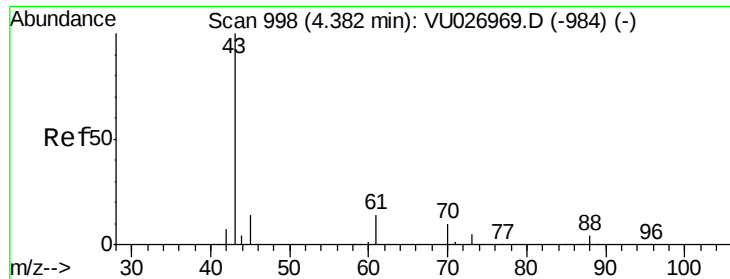
MMDadoda
 10/2/2018 1:07:00 PM



#36
 1,1-Dichloropropene
 Concen: 22.302 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	39911		
110	31.1	16.1	48.2	
77	31.6	24.6	36.8	





#37

Ethyl Acetate

Concen: 21.718 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

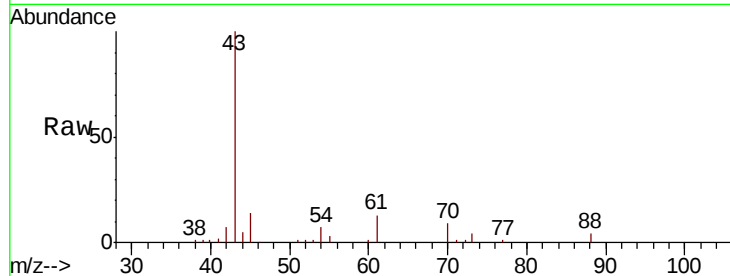
ClientSampleId :

VU0928WBS01

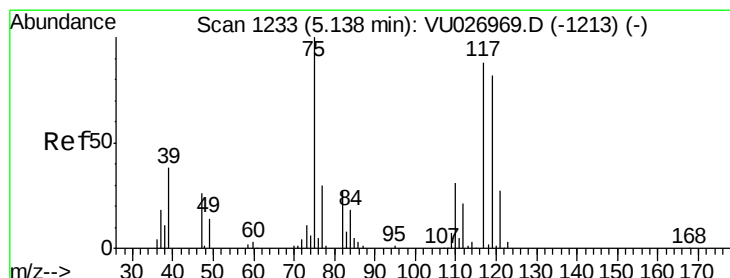
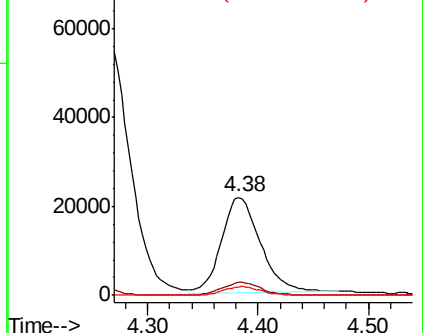
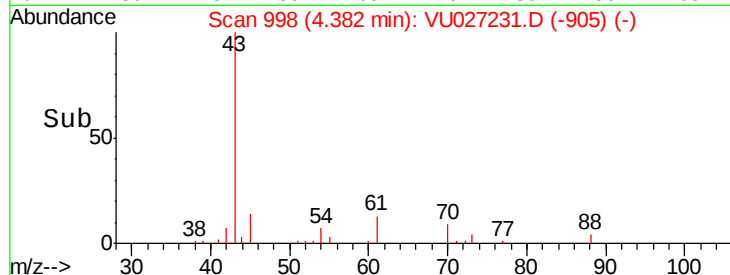
Tot Ion:	43	Resp:	52614
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	9.0	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
10/2/2018 1:07:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VU027231.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 22.270 ug/l

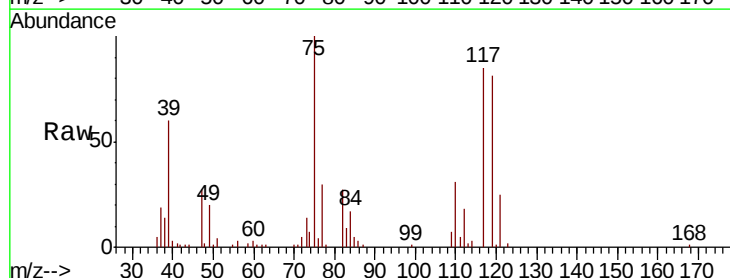
RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

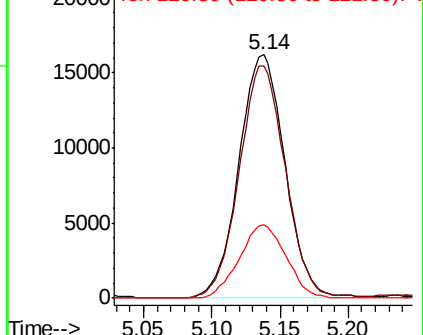
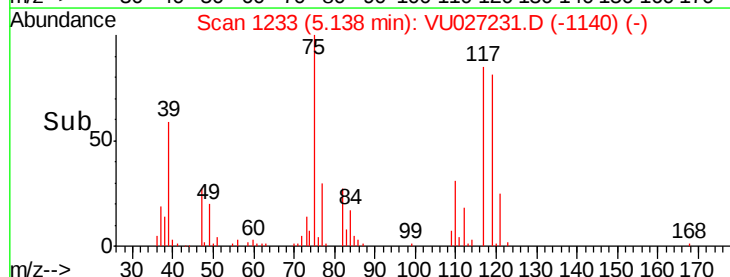
Lab File: VU027231.D

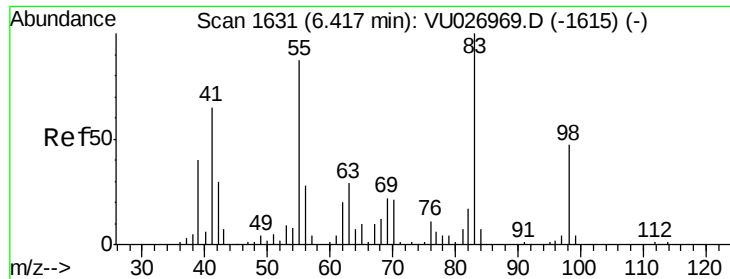
Acq: 27 Sep 2018 17:54

Tgt Ion:	117	Resp:	37927
Ion	Ratio	Lower	Upper
117	100		
119	95.4	74.4	111.6
121	30.0	24.2	36.4



Abundance Ion 116.80 (116.50 to 117.50): VU027231.D (-1140) (-)





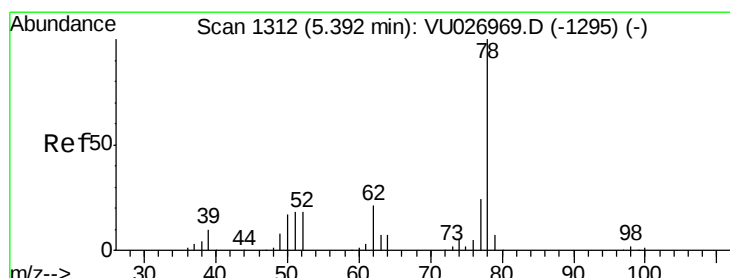
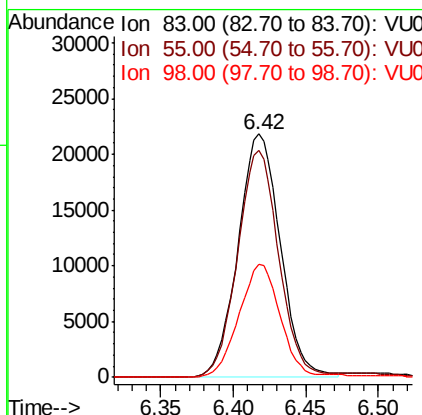
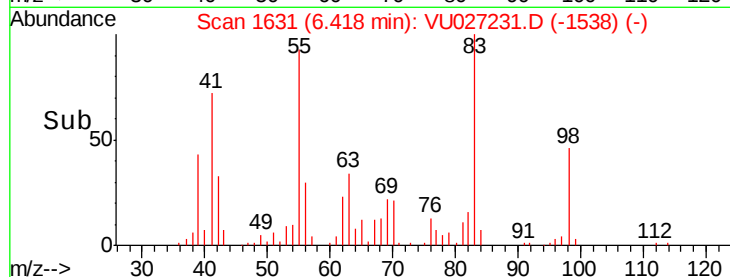
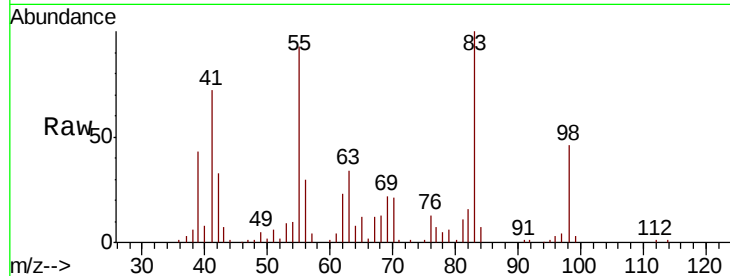
#39
Methvlcvclohexane
Concen: 22.769 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion	83	Resp	44280
Ion	Ratio	Lower	Upper
83	100		
55	93.2	69.9	104.9
98	46.5	37.5	56.3

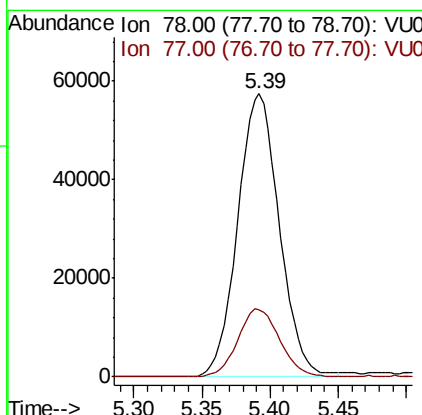
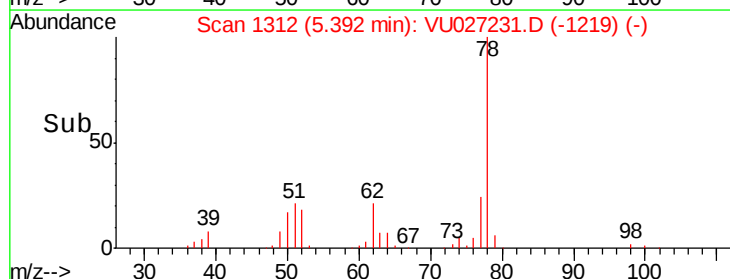
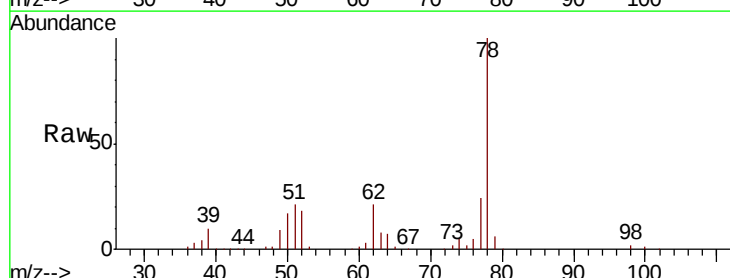
Manual Integrations
APPROVED

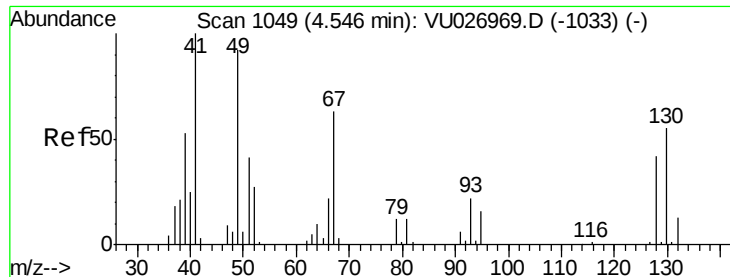
MMDadoda
10/2/2018 1:07:00 PM



#40
Benzene
Concen: 22.351 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion	78	Resp	121595
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





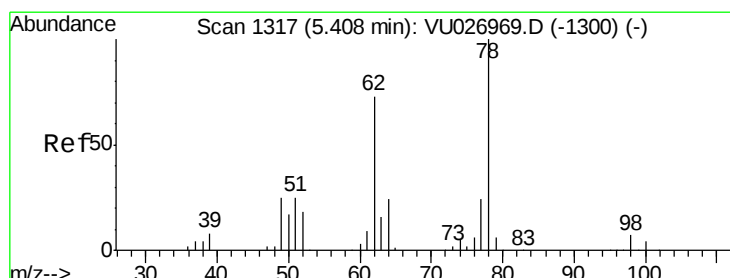
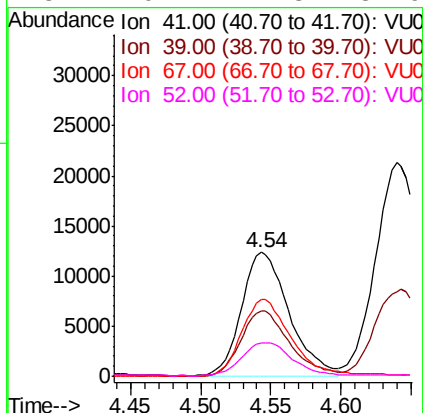
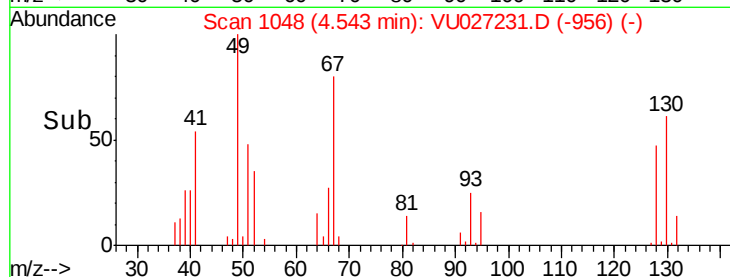
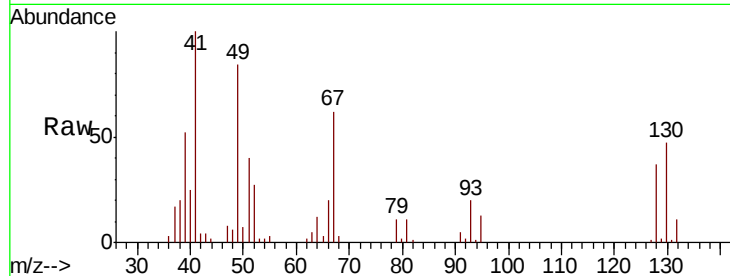
#41
Methacrylonitrile
Concen: 23.225 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion	Ion	Ratio	Lower	Upper
29221	41	100		
	39	53.7	42.9	64.3
	67	63.9	52.4	78.6
	52	29.1	21.3	31.9

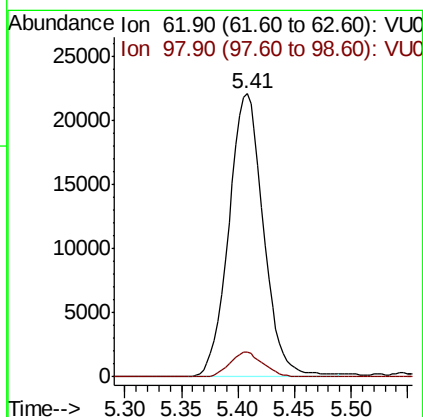
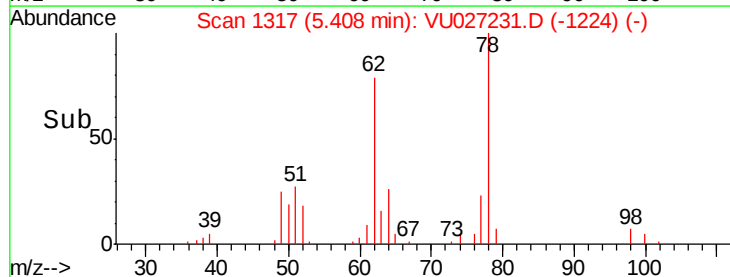
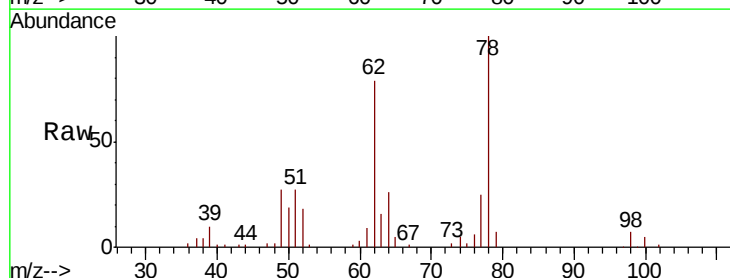
Manual Integrations
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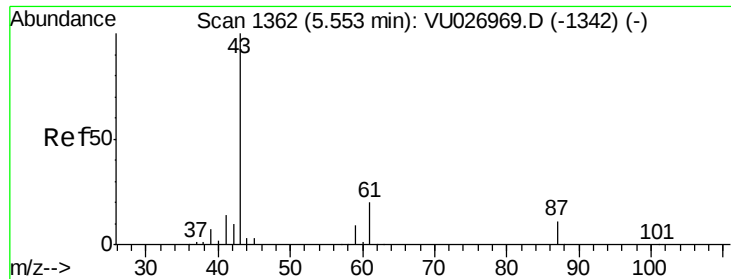
MMDadoda
10/2/2018 1:07:00 PM



#42
1,2-Dichloroethane
Concen: 22.996 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion	Ion	Ratio	Lower	Upper
47266	62	100		
	98	8.3	0.0	17.0





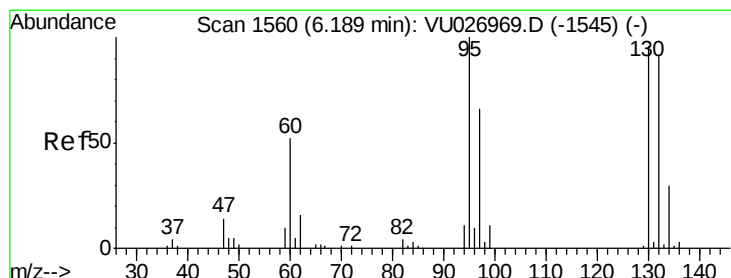
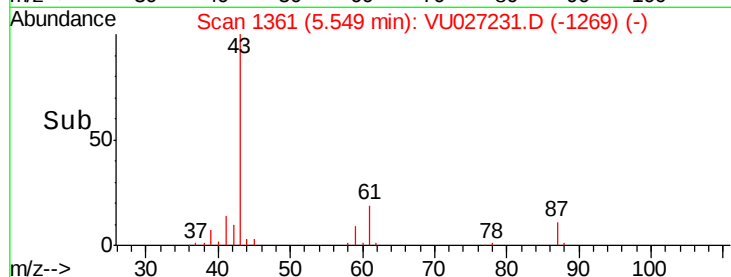
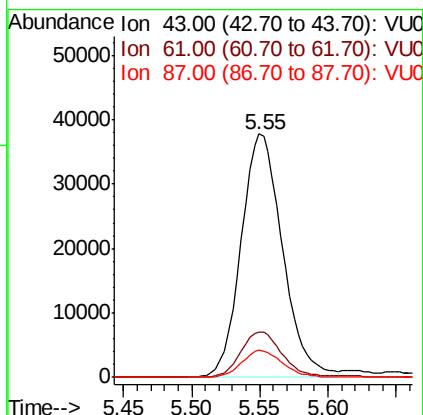
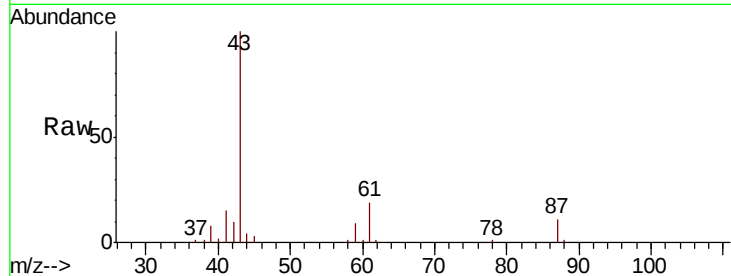
#43
Isopropyl Acetate
Concen: 22.548 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion:	43	Resp:	79665
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.7	23.5
87	10.8	9.0	13.4

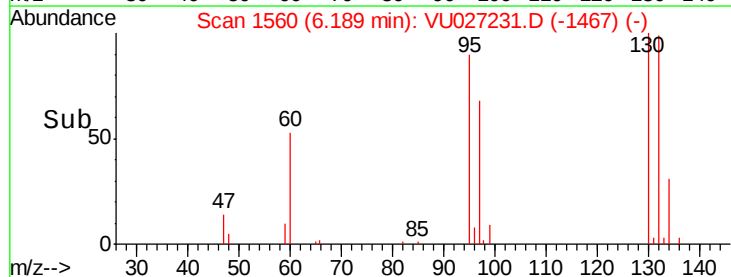
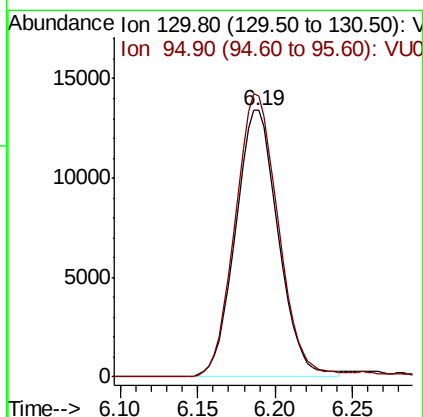
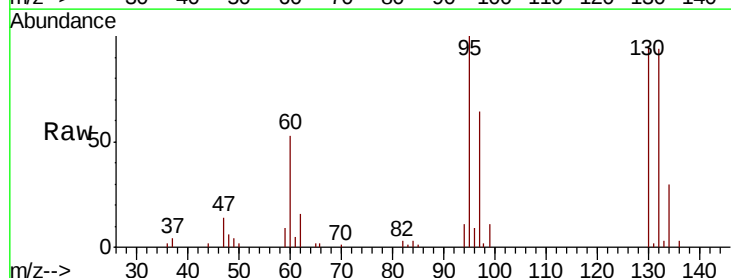
Manual Integrations
APPROVED

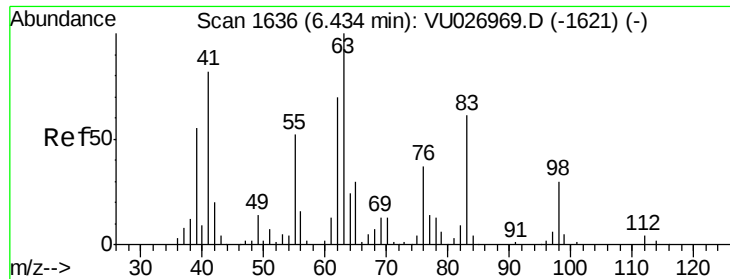
MMDadoda
10/2/2018 1:07:00 PM



#44
Trichloroethene
Concen: 22.286 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion:	130	Resp:	25811
Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	208.8





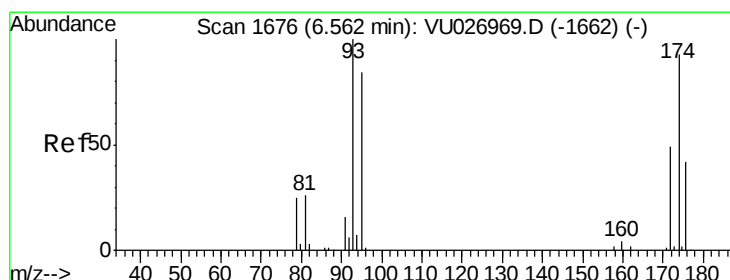
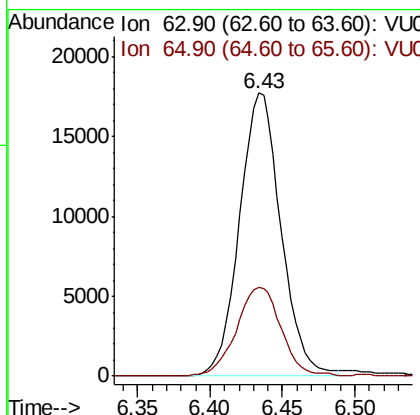
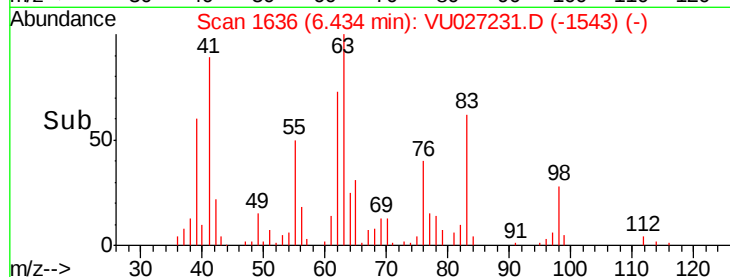
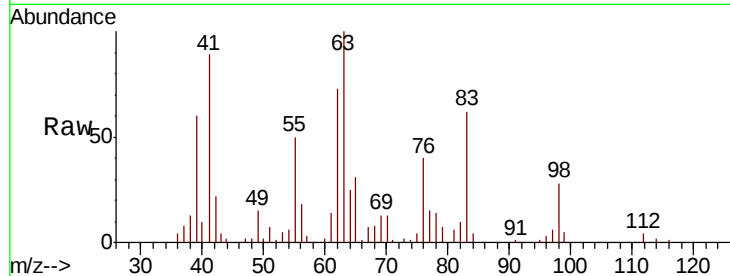
#45
 1,2-Dichloropropane
 Concen: 22.741 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.3	36.5

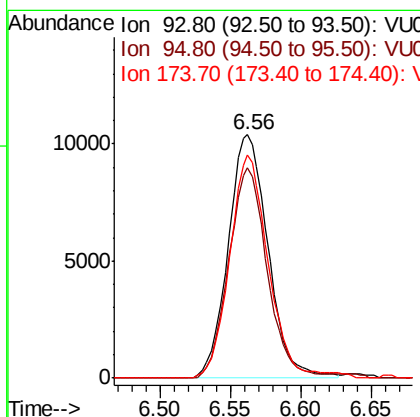
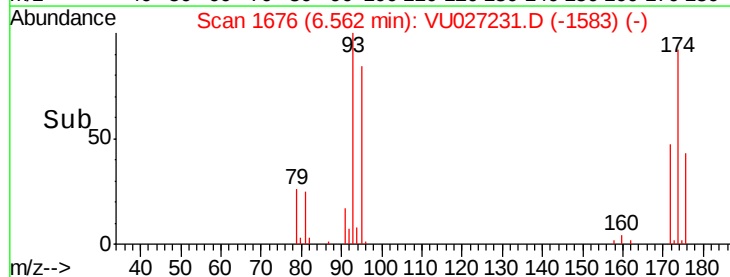
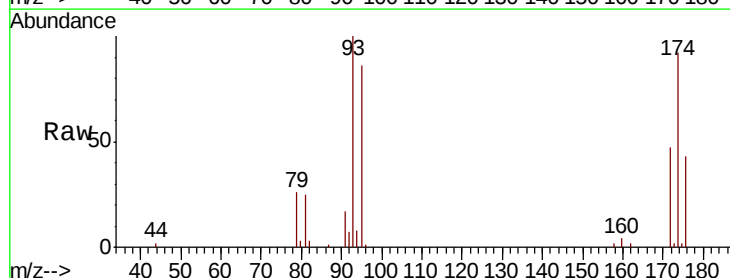
Manual Integrations
 APPROVED

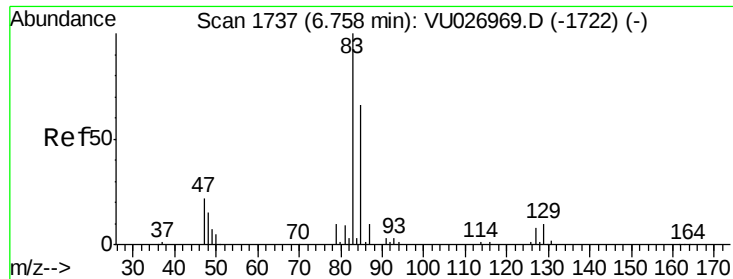
MMDadoda
 10/2/2018 1:07:00 PM



#46
 Dibromomethane
 Concen: 21.934 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.2	99.4
174	88.4	71.7	107.5





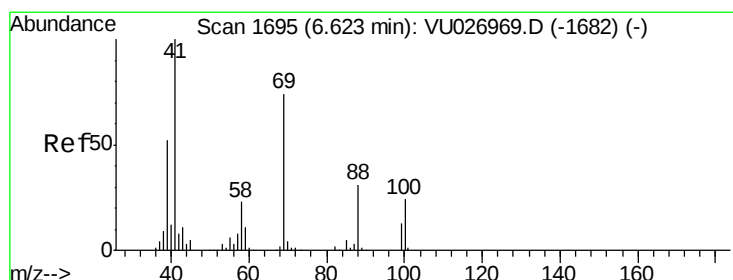
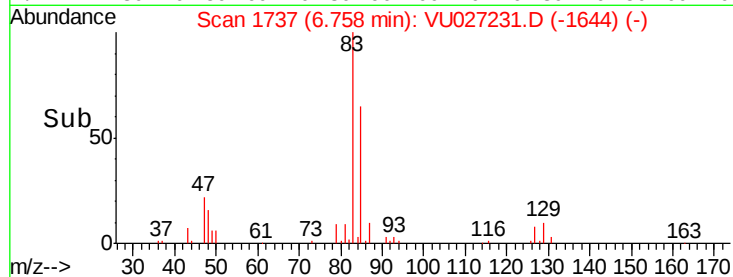
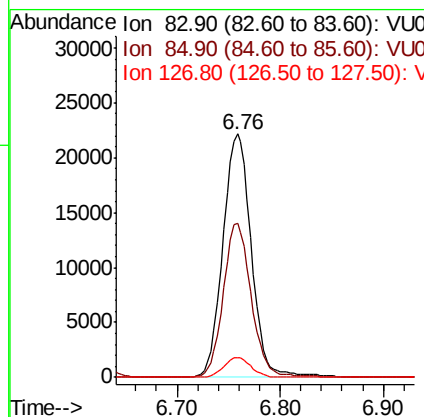
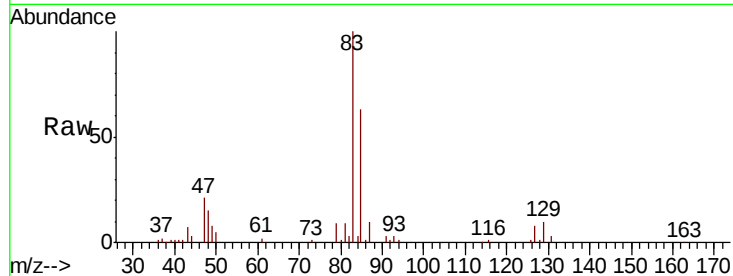
#47
Bromodichloromethane
Concen: 22.468 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion	83	Resp	42532
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	52.5	78.7
127	8.2	6.3	9.5

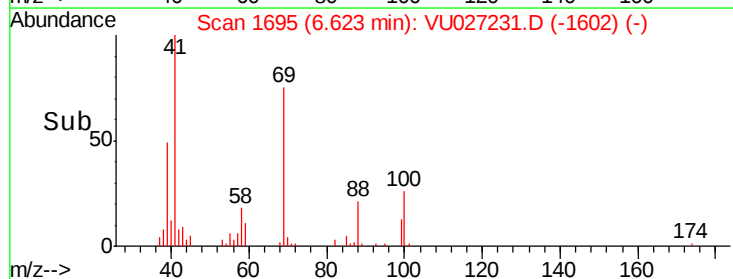
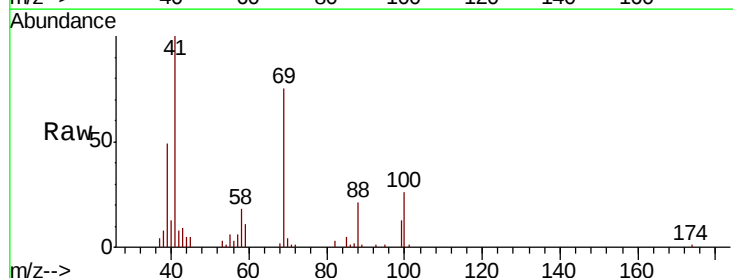
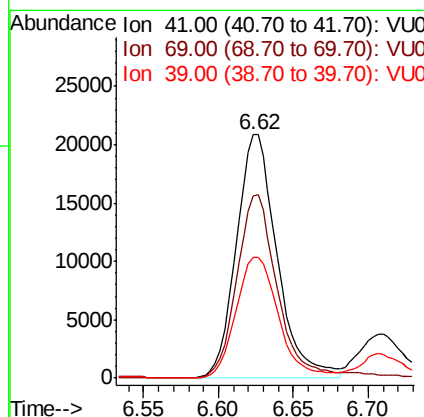
Manual Integrations
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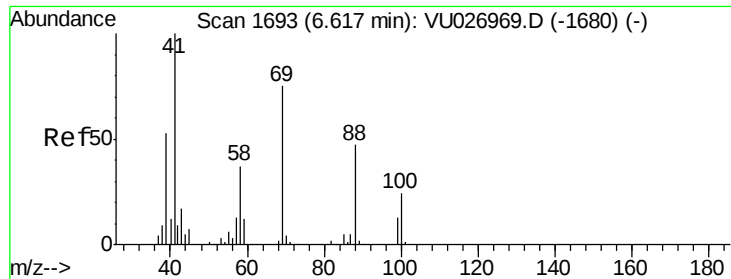
MMDadoda
10/2/2018 1:07:00 PM



#48
Methyl methacrylate
Concen: 21.248 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion	41	Resp	39717
Ion Ratio	100	Lower	Upper
41	100		
69	73.7	60.6	90.8
39	51.8	42.8	64.2





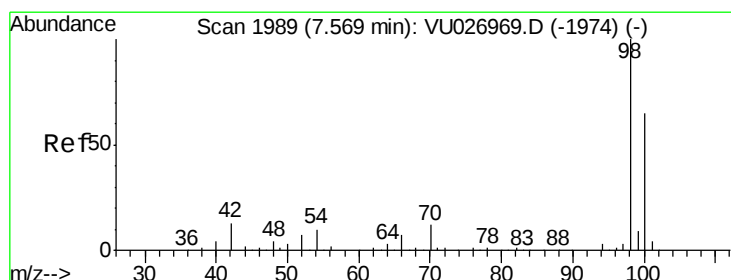
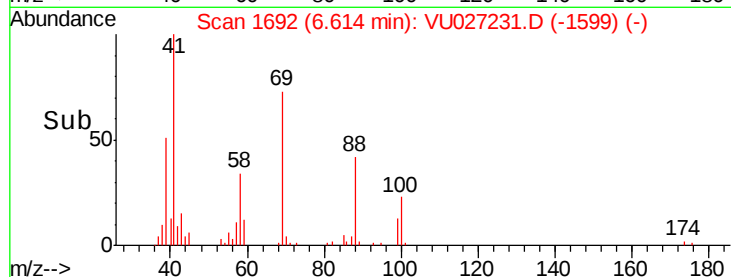
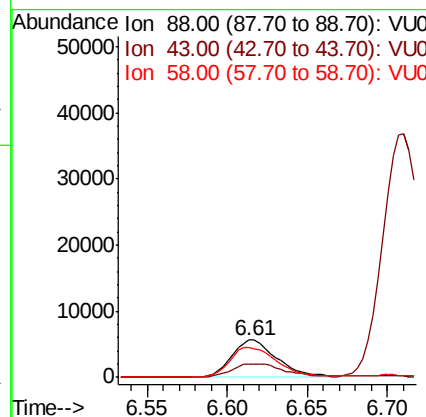
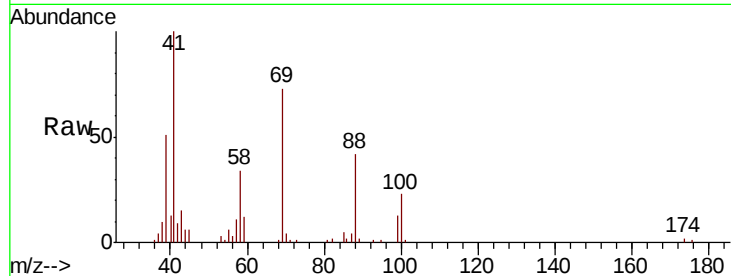
#49
1,4-Dioxane
Concen: 287.982 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.3	29.8	44.8
58	85.2	63.9	95.9

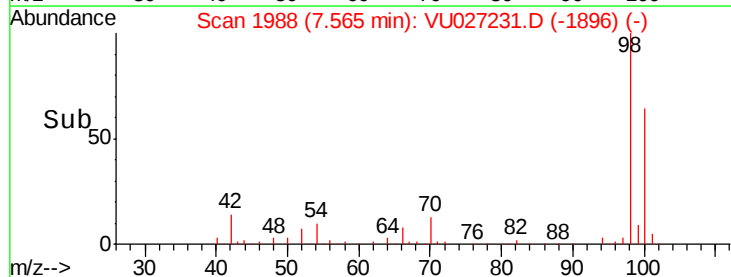
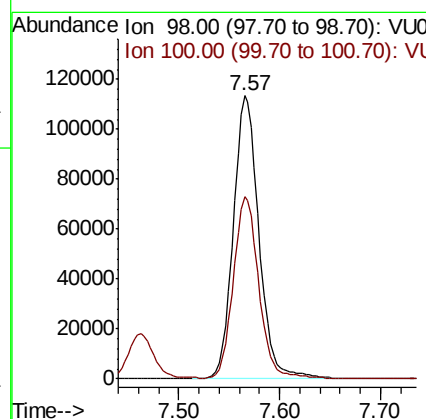
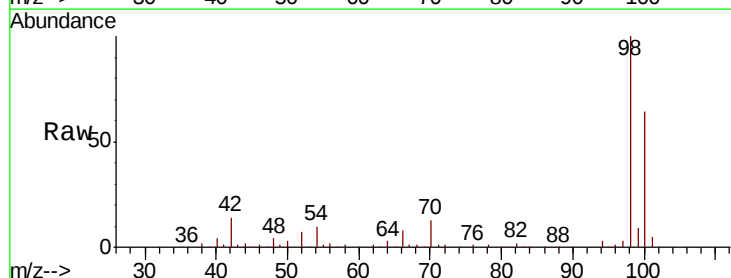
Manual Integrations
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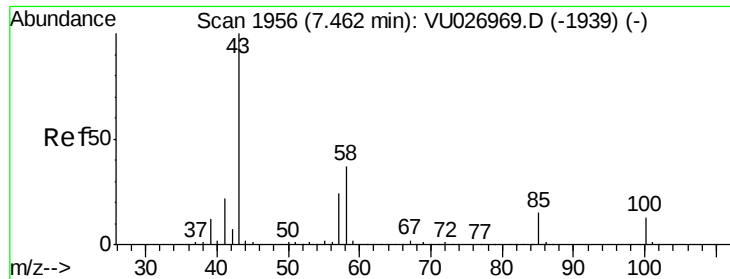
MMDadoda
10/2/2018 1:07:00 PM



#50
Toluene-d8
Concen: 45.469 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 114.817 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

Tot Ion: 43 Resp: 272830

Ion Ratio Lower Upper

43 100

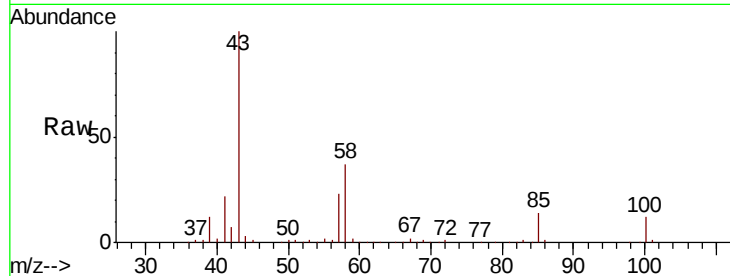
58 36.4 29.8 44.6

Manual Integrations

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MMDadoda

10/2/2018 1:07:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

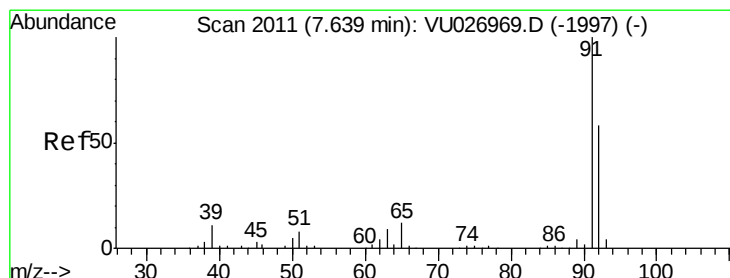
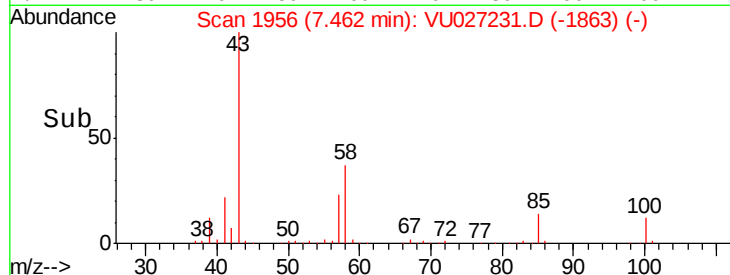
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.993 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027231.D

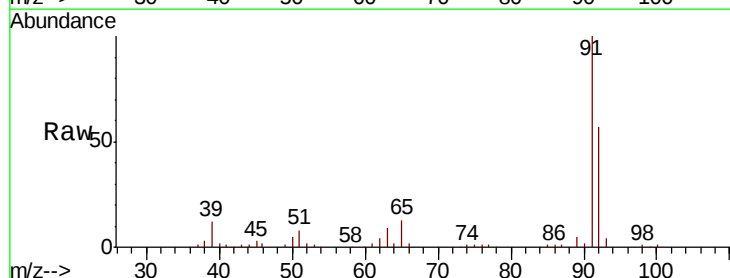
Acq: 27 Sep 2018 17:54

Tgt Ion: 92 Resp: 71702

Ion Ratio Lower Upper

92 100

91 174.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

80000

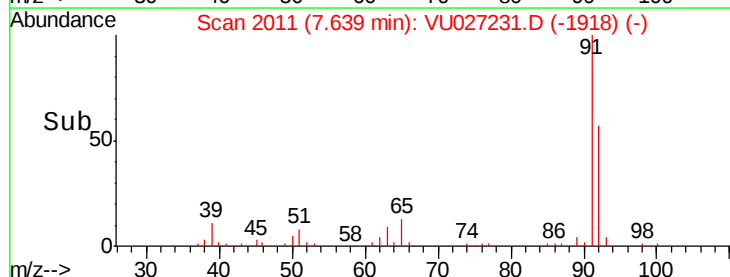
60000

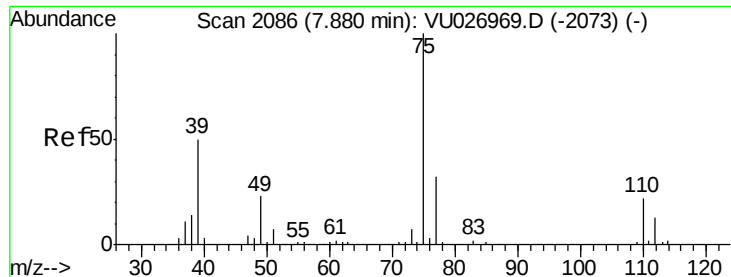
40000

20000

0

Time-->





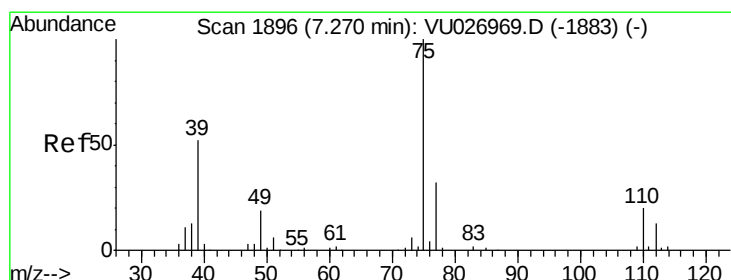
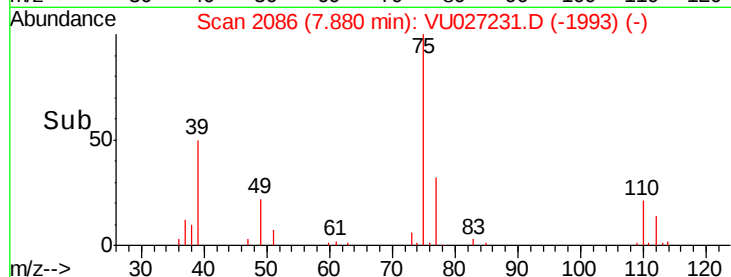
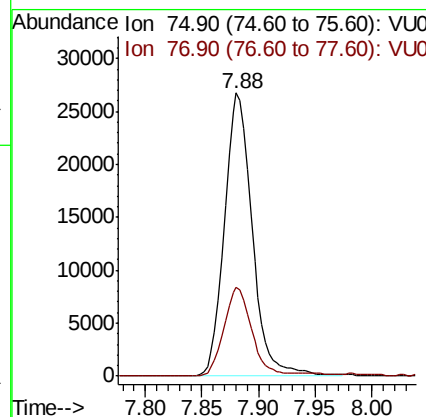
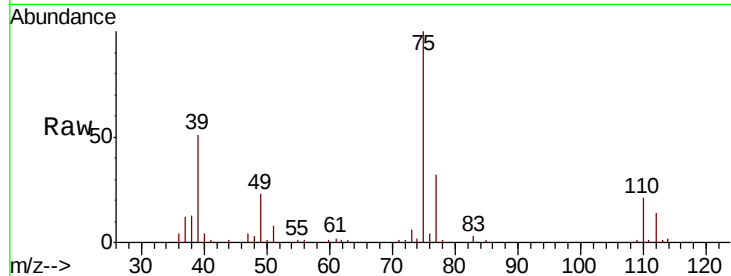
#53
t-1,3-Dichloropropene
Concen: 22.584 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion: 75 Resp: 45933
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9

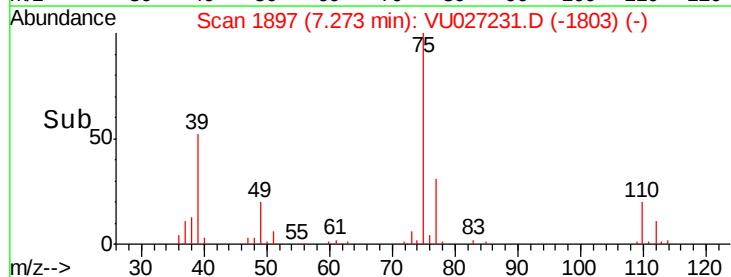
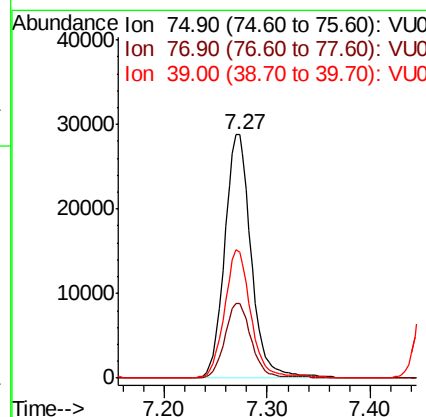
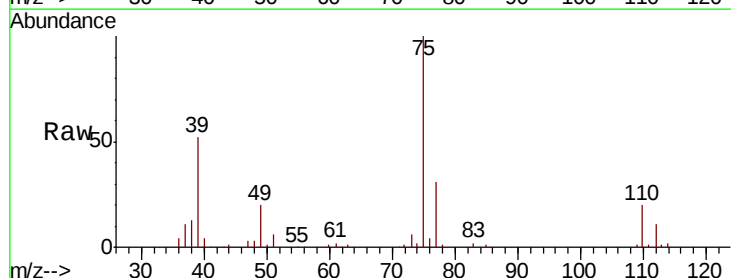
Manual Integrations
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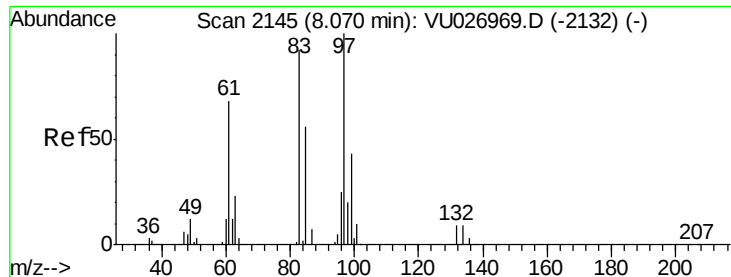
MMDadoda
10/2/2018 1:07:00 PM



#54
cis-1,3-Dichloropropene
Concen: 23.029 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion: 75 Resp: 51501
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.0
39 51.7 41.6 62.4





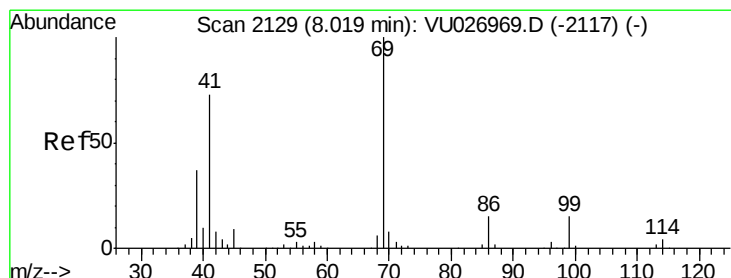
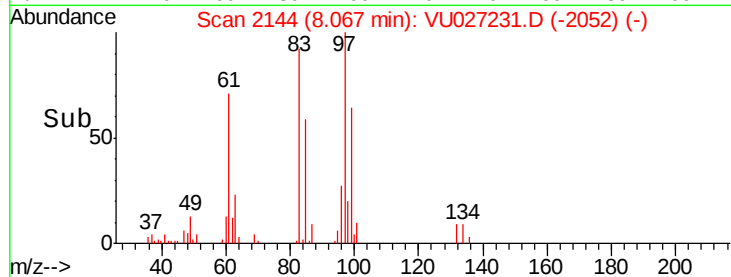
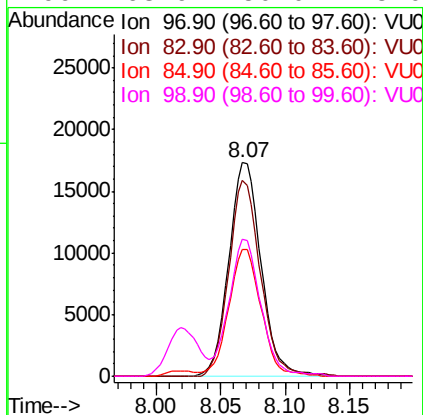
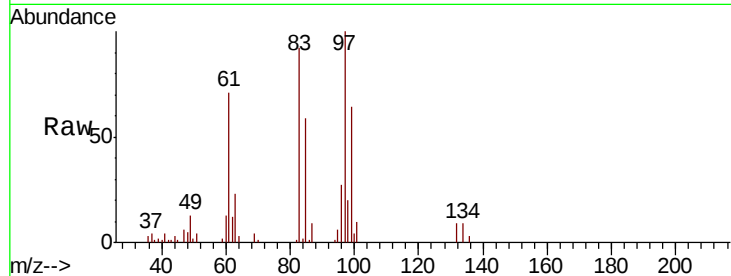
#55
 1,1,2-Trichloroethane
 Concen: 22.837 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Tot Ion:	97	Resp:	30175
Ion	Ratio	Lower	Upper
97	100		
83	91.9	73.1	109.7
85	59.4	46.7	70.1
99	63.9	50.0	75.0

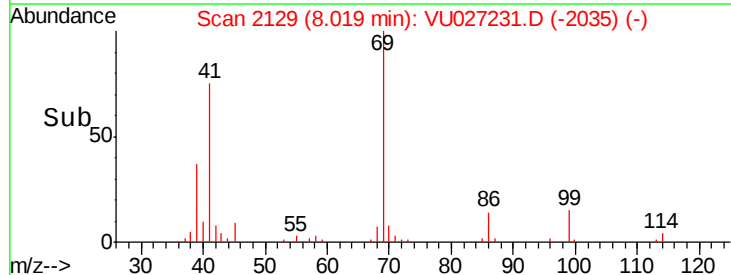
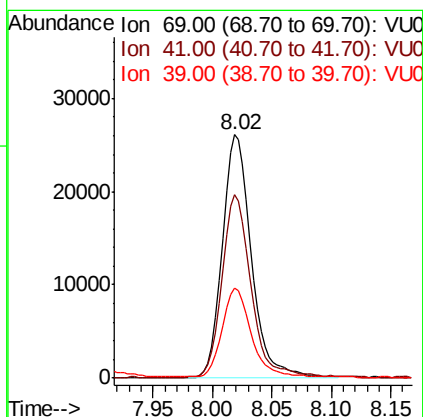
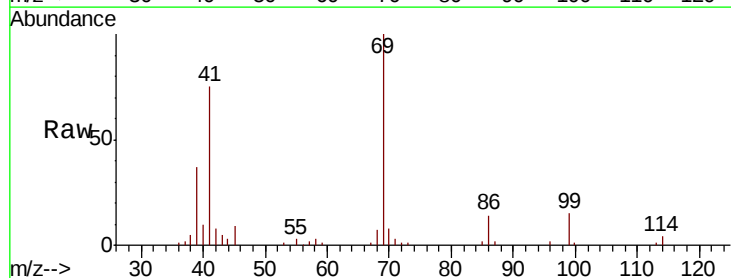
Manual Integrations
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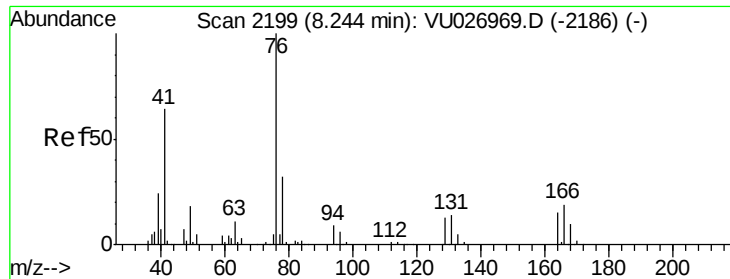
MMDadoda
 10/2/2018 1:07:00 PM



#56
 Ethyl methacrylate
 Concen: 20.704 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion:	69	Resp:	44386
Ion	Ratio	Lower	Upper
69	100		
41	75.5	59.0	88.4
39	36.2	30.2	45.4





#57

1,3-Dichloropropane

Concen: 23.091 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

Tot Ion: 76 Resp: 56748

Ion Ratio Lower Upper

76 100

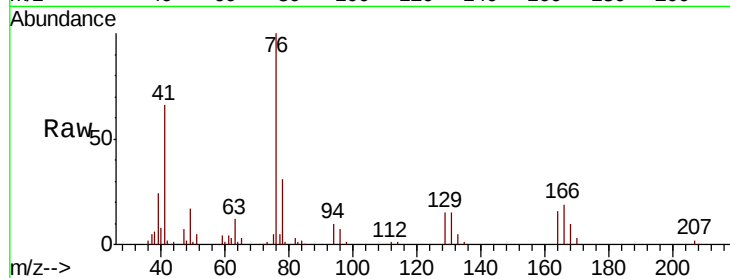
78 30.8 25.5 38.3

Manual Integrations

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MMDadoda

10/2/2018 1:07:00 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

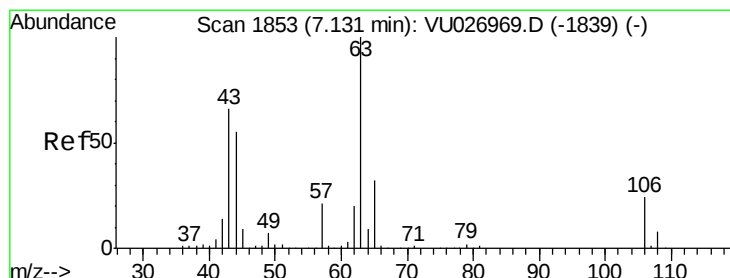
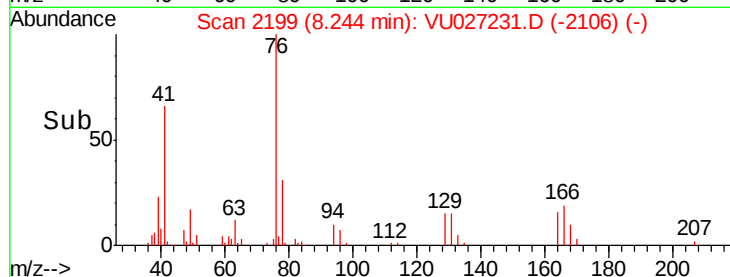
30000

20000

10000

0

Time--> 8.15 8.20 8.25 8.30 8.35



#58

2-Chloroethyl Vinyl ether

Concen: 87.080 ug/l

RT: 7.13 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VU027231.D

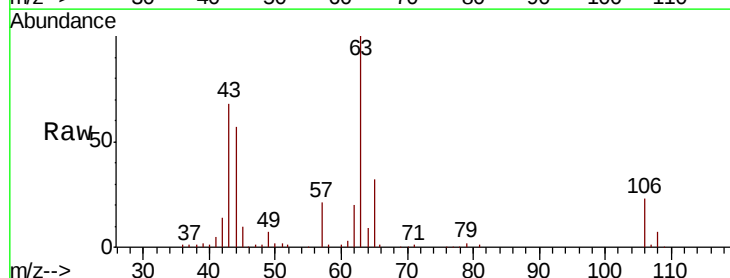
Acq: 27 Sep 2018 17:54

Tgt Ion: 63 Resp: 109098

Ion Ratio Lower Upper

63 100

106 22.8 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

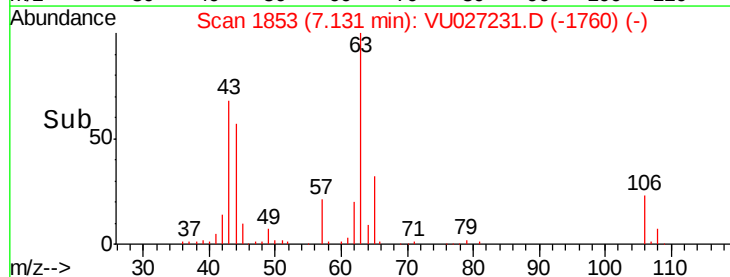
60000

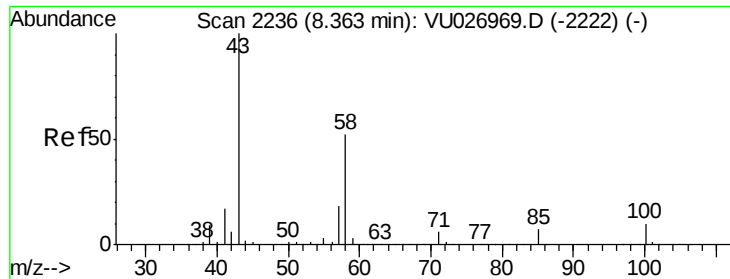
40000

20000

0

Time--> 7.10 7.20 7.30





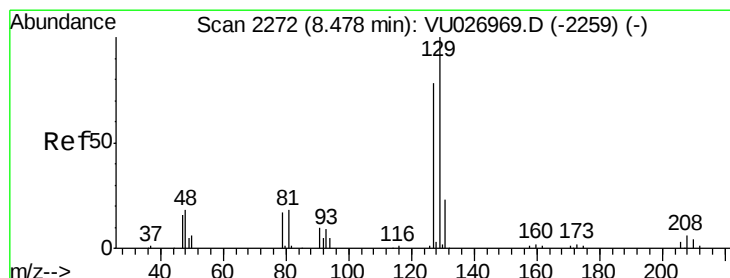
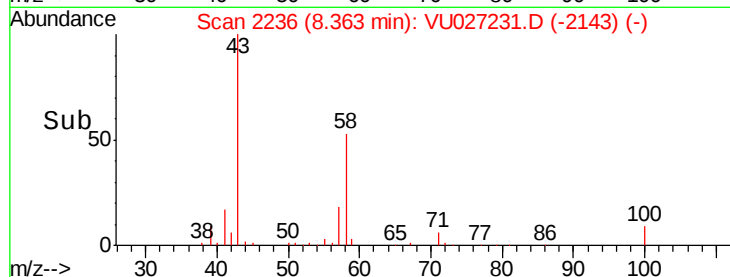
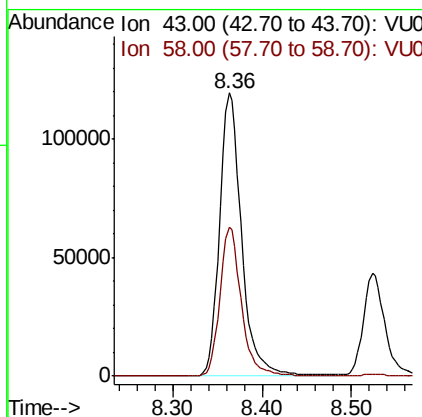
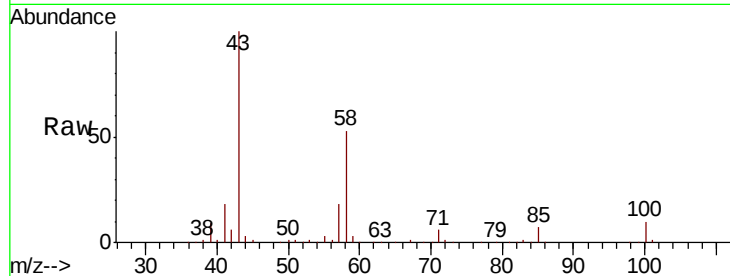
#59
2-Hexanone
Concen: 110.508 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion: 43 Resp: 205551
Ion Ratio Lower Upper
43 100
58 51.0 26.1 78.2

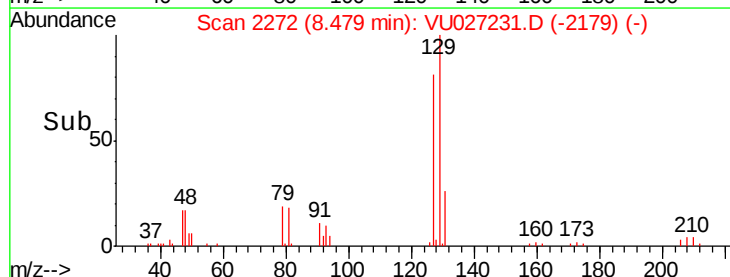
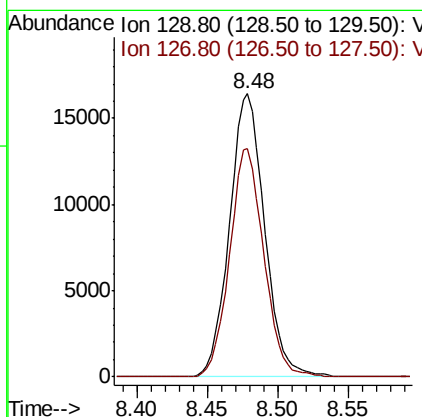
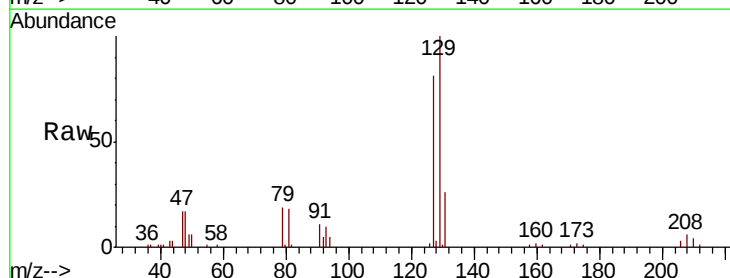
Manual Integrations
APPROVED

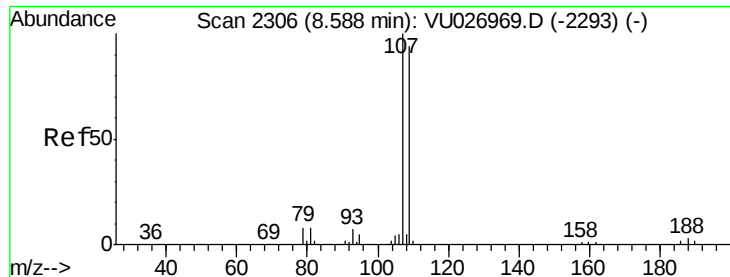
MMDadoda
10/2/2018 1:07:00 PM



#60
Dibromochloromethane
Concen: 22.064 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion: 129 Resp: 28597
Ion Ratio Lower Upper
129 100
127 78.6 38.1 114.5





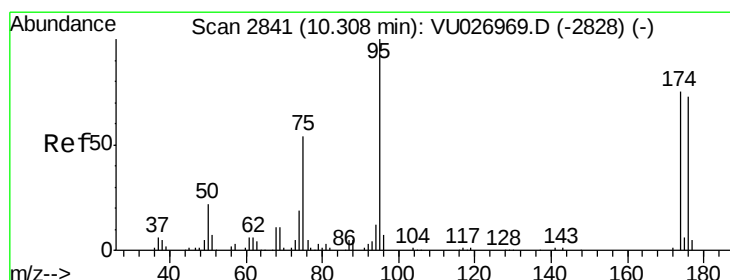
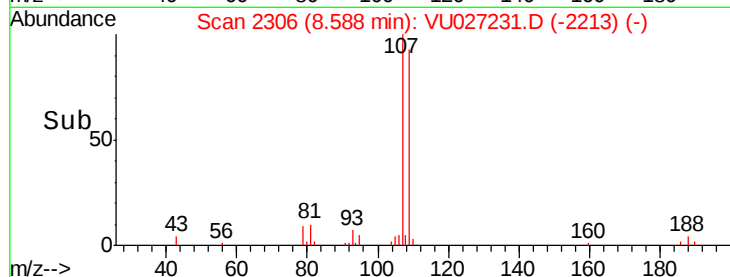
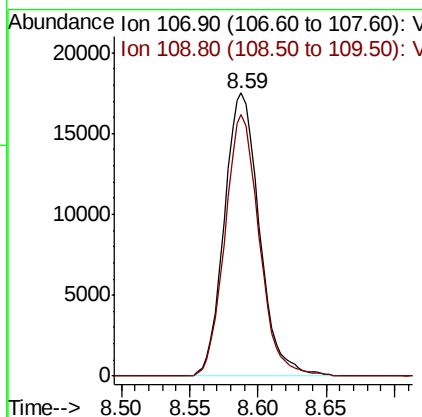
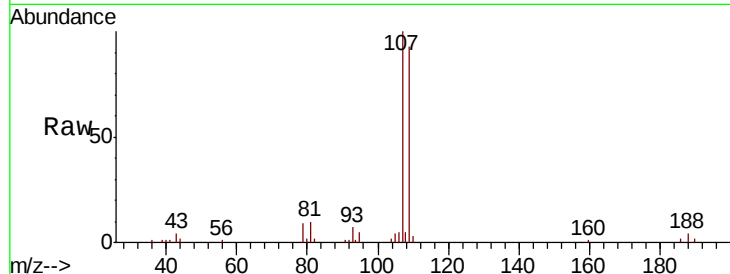
#61
 1,2-Dibromoethane
 Concen: 22.801 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.2	75.0	112.6

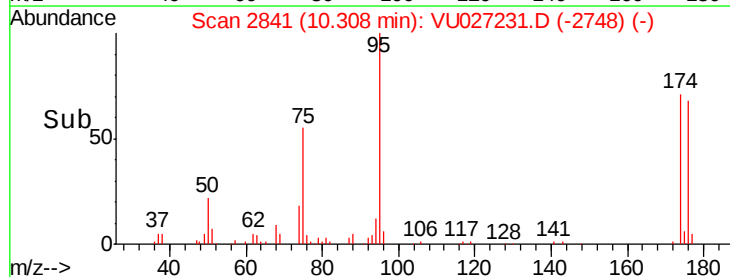
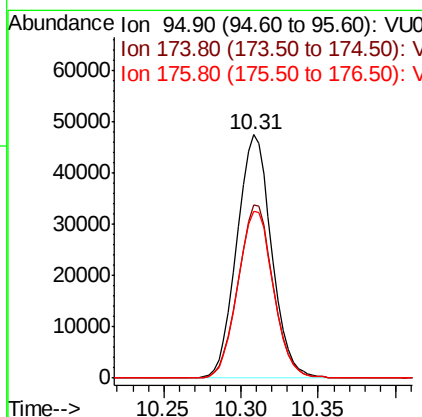
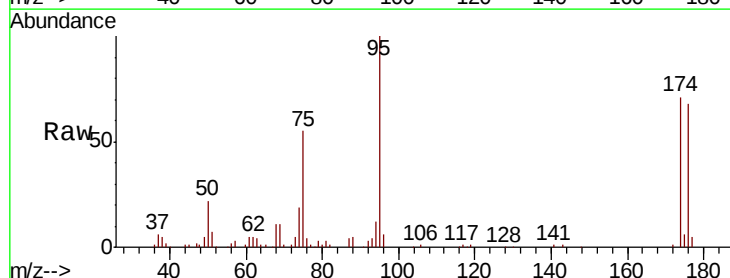
Manual Integrations
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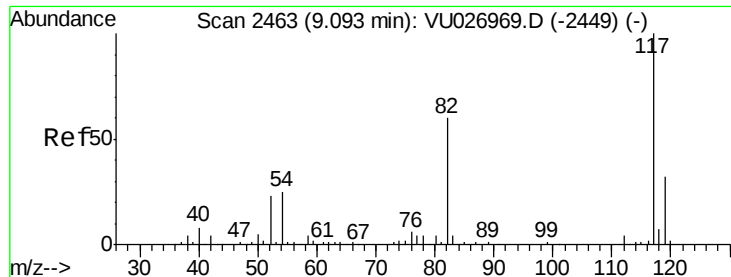
MMDadoda
 10/2/2018 1:07:00 PM



#62
 4-Bromofluorobenzene
 Concen: 48.880 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	150.2
176	70.5	0.0	145.2





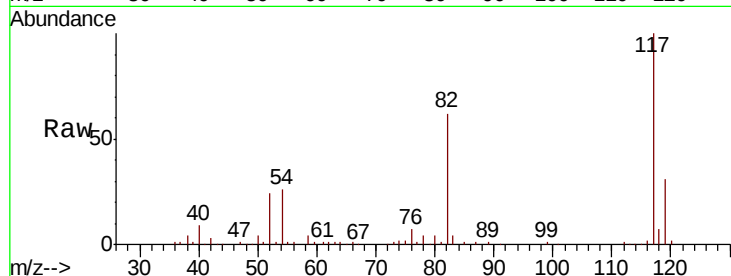
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	48.0	72.0
119	31.2	25.8	38.8

Manual Integrations
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MMDadoda
10/2/2018 1:07:00 PM

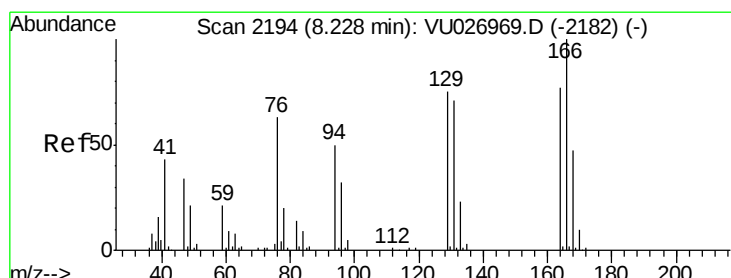
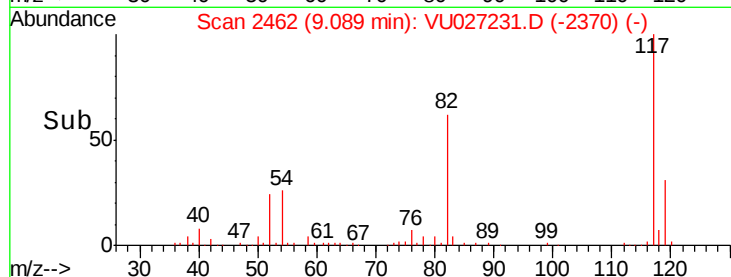
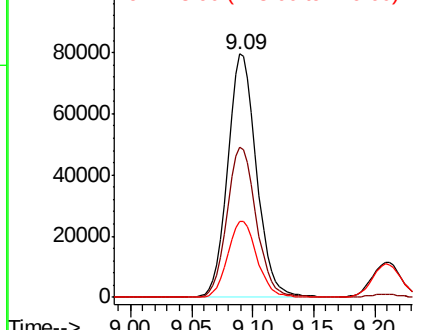


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.031 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	104.4	156.6
129	98.8	78.7	118.1
131	93.9	73.9	110.9

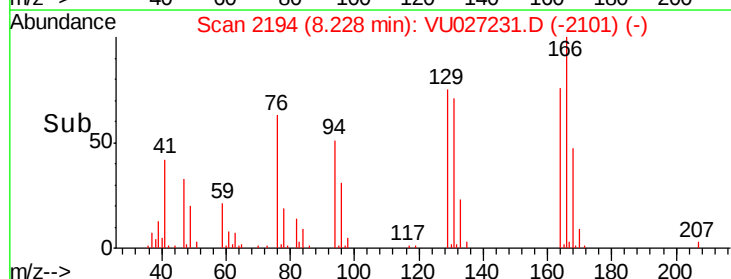
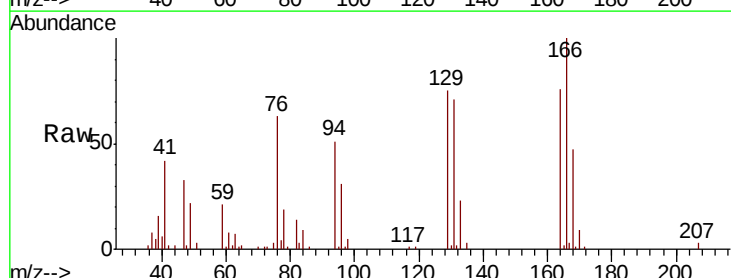
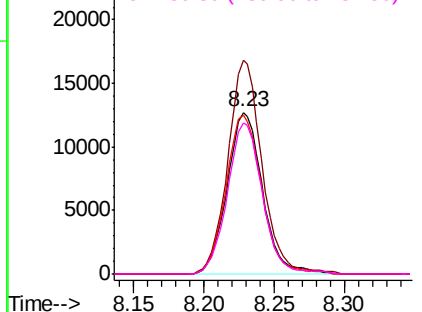
Abundance

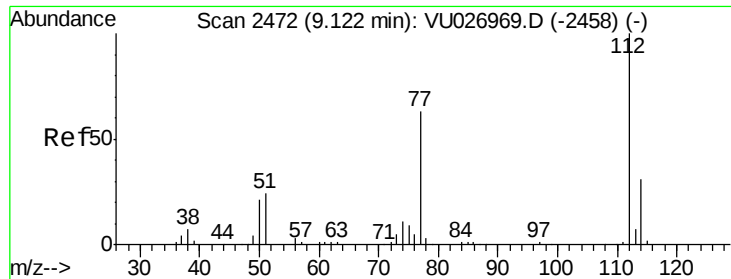
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





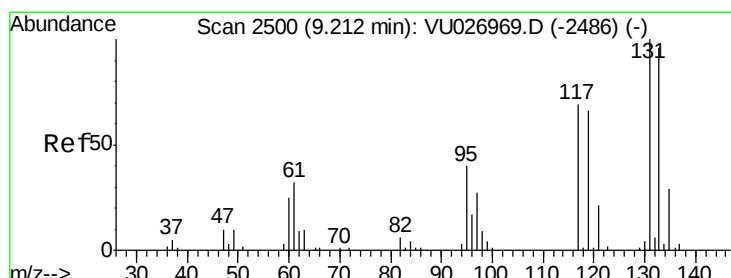
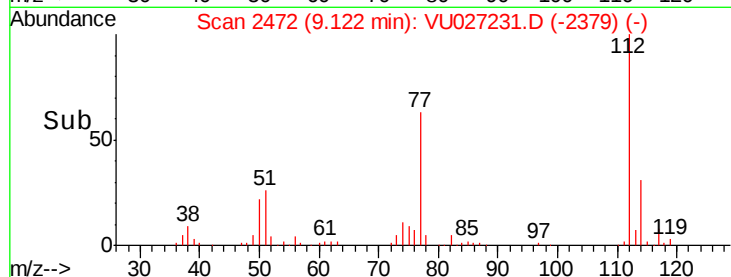
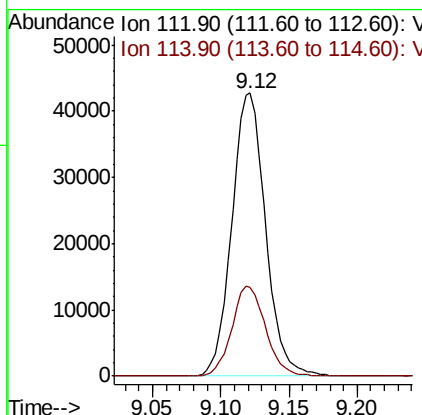
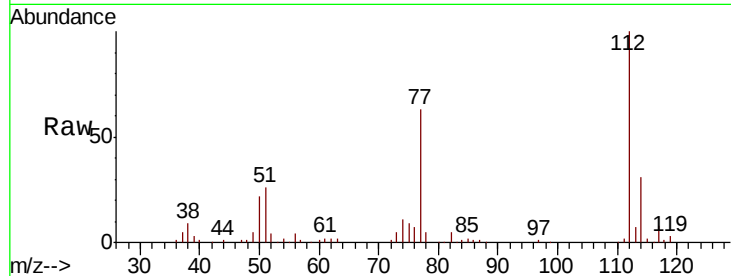
#65
Chlorobenzene
Concen: 21.000 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion:112 Resp: 73264
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.6

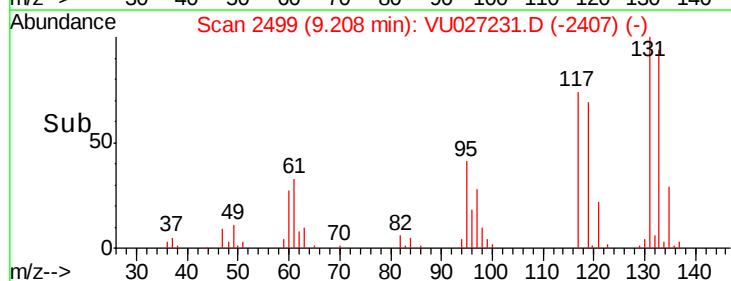
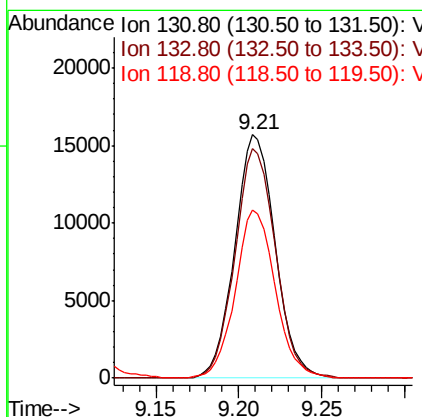
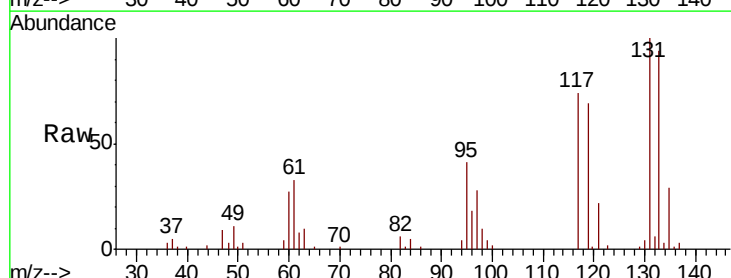
Manual Integrations
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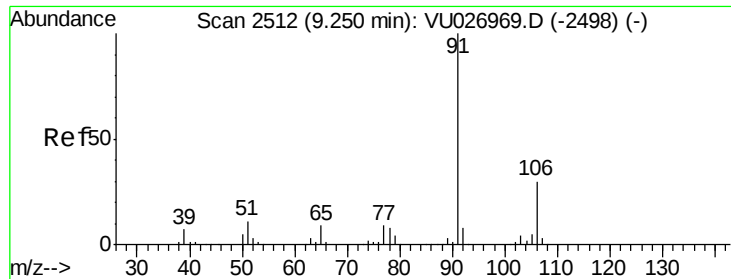
MMDadoda
10/2/2018 1:07:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.148 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion:131 Resp: 26614
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.2
119 68.4 33.4 100.1





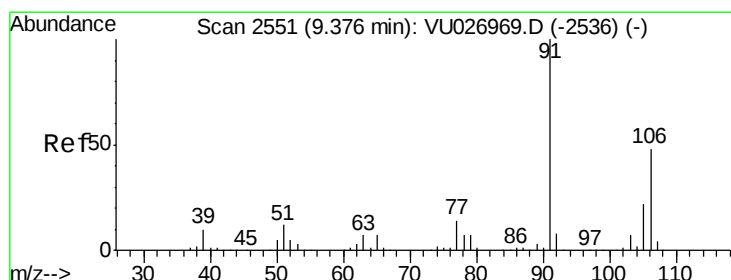
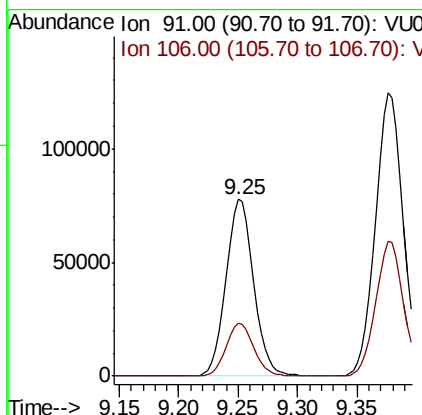
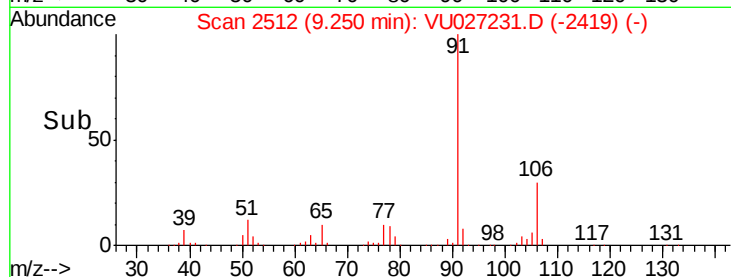
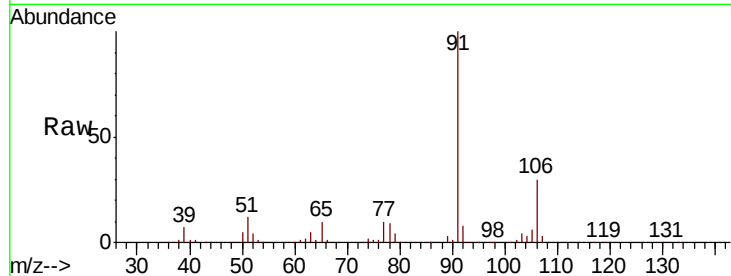
#67
Ethyl Benzene
Concen: 21.874 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion: 91 Resp: 125488
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8

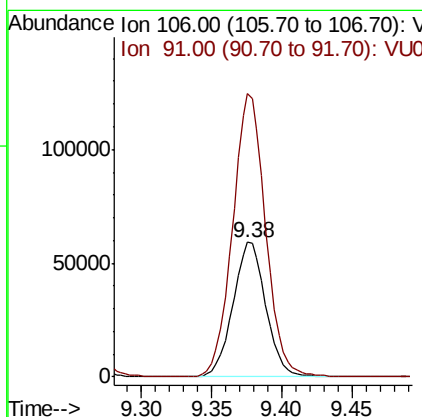
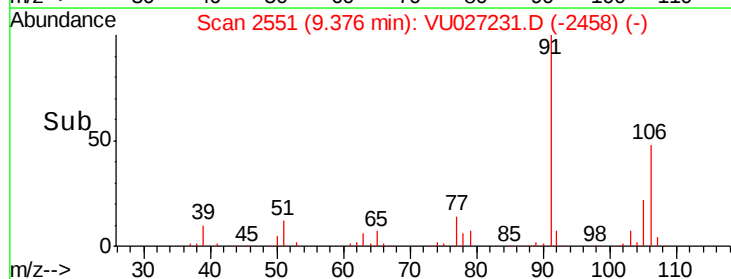
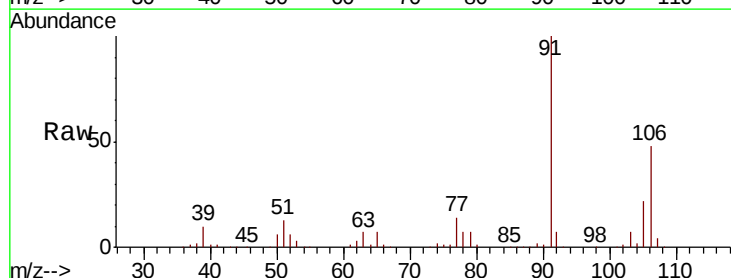
Manual Integrations
APPROVED

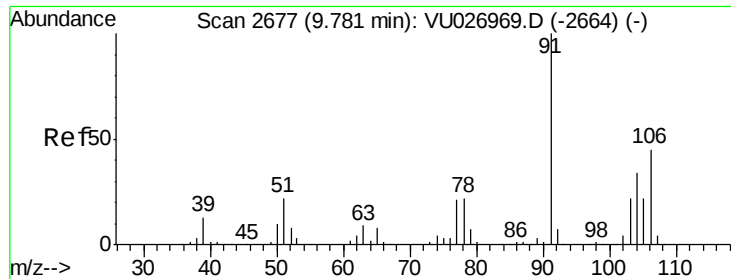
MMDadoda
10/2/2018 1:07:00 PM



#68
m/p-Xylenes
Concen: 42.507 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion: 106 Resp: 96724
Ion Ratio Lower Upper
106 100
91 210.6 166.5 249.7





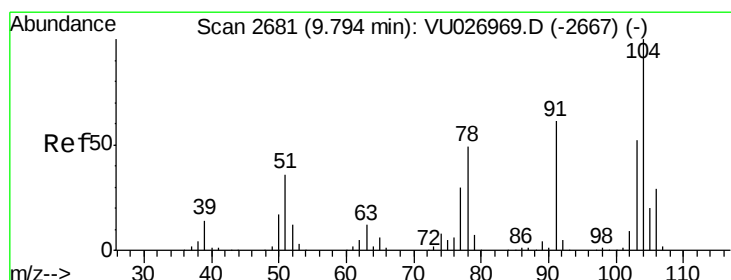
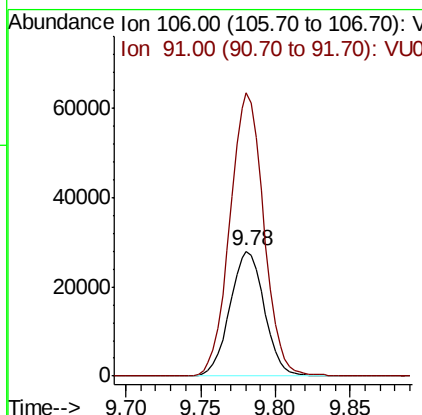
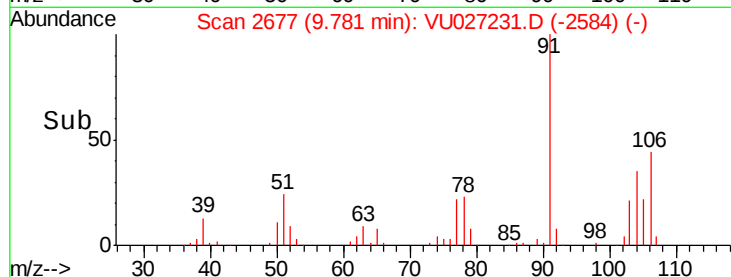
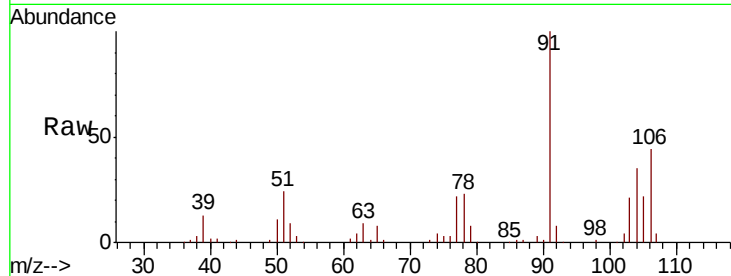
#69
o-Xylene
Concen: 22.085 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion:106 Resp: 44890
Ion Ratio Lower Upper
106 100
91 223.4 110.2 330.6

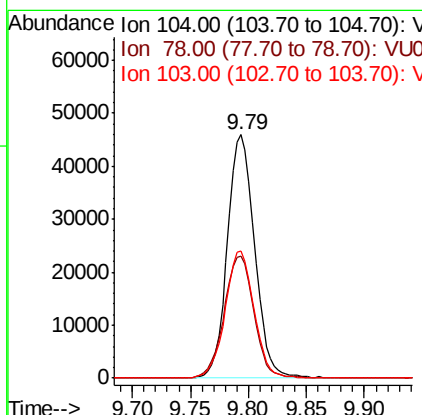
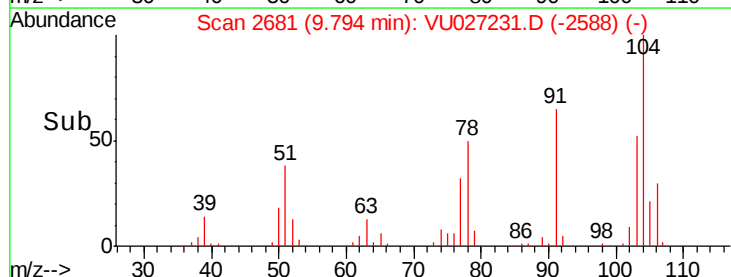
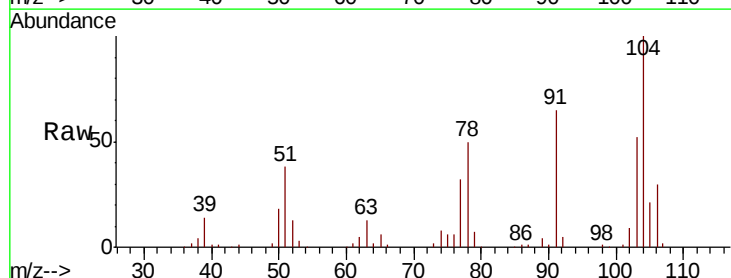
Manual Integrations
APPROVED

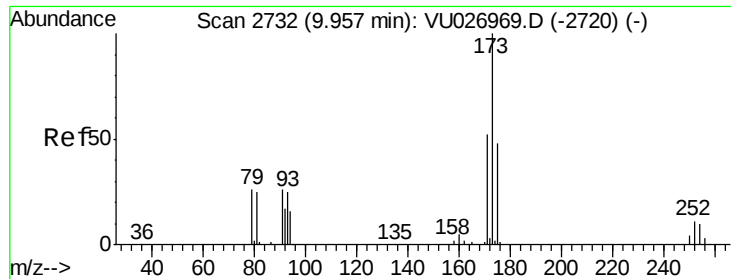
MMDadoda
10/2/2018 1:07:00 PM



#70
Styrene
Concen: 20.840 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion:104 Resp: 74938
Ion Ratio Lower Upper
104 100
78 54.9 43.0 64.4
103 55.1 44.1 66.1





#71

Bromoform

Concen: 21.901 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

Tot Ion:173 Resp: 20351

Ion Ratio Lower Upper

173 100

175 49.8 23.9 71.8

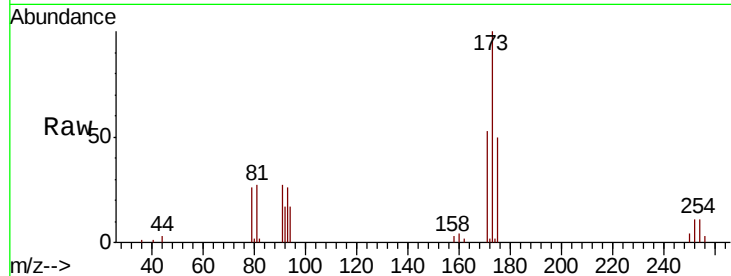
254 0.0 0.0 0.0

Manual Integrations

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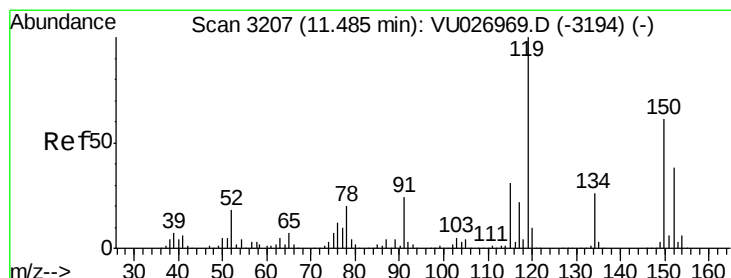
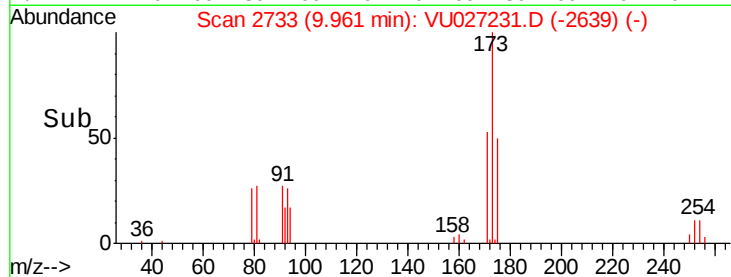
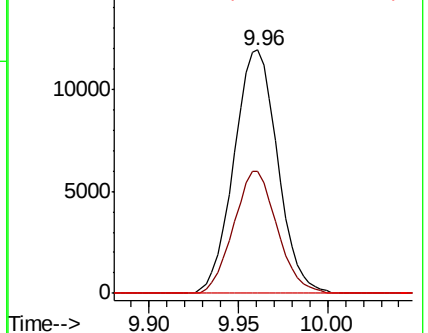
10/2/2018 1:07:00 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

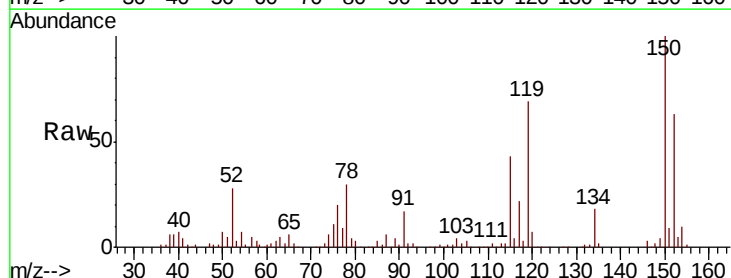
Tgt Ion:152 Resp: 71396

Ion Ratio Lower Upper

152 100

115 73.8 44.9 134.5

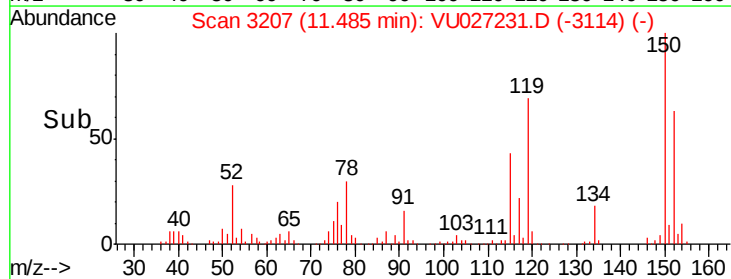
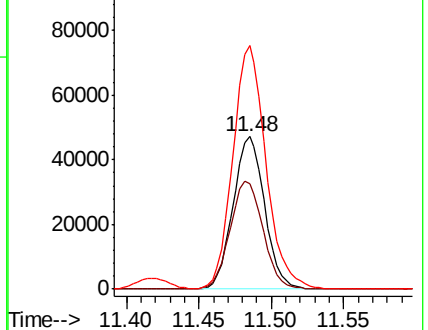
150 167.2 0.0 355.8

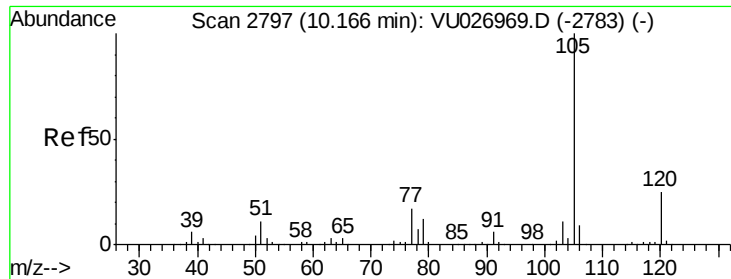


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





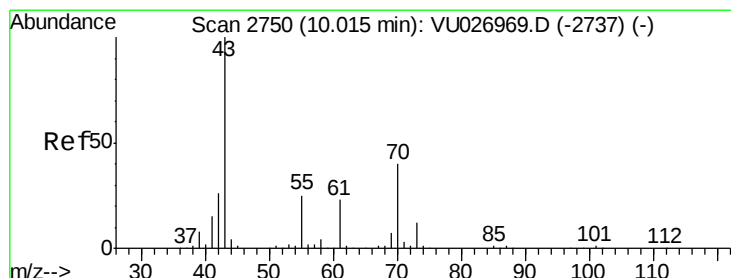
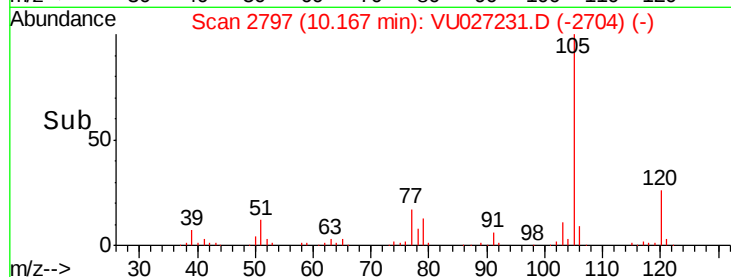
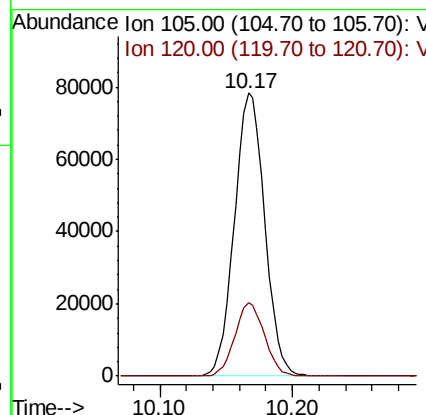
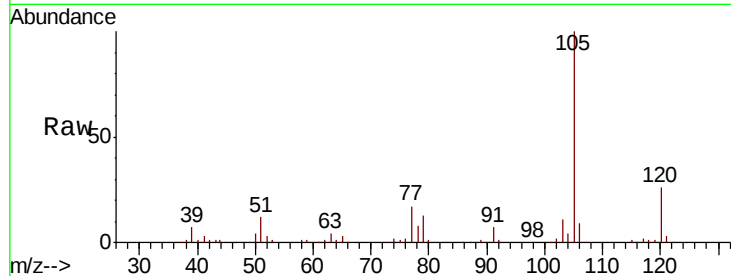
#73
Isopropylbenzene
Concen: 22.897 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.4

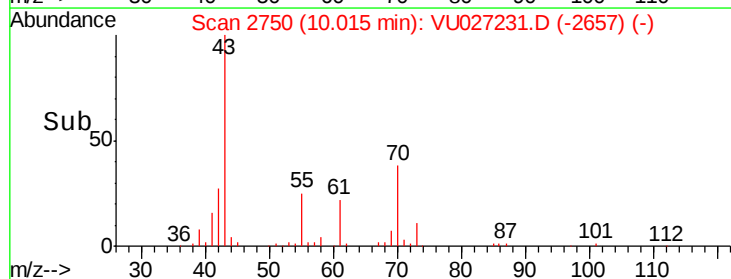
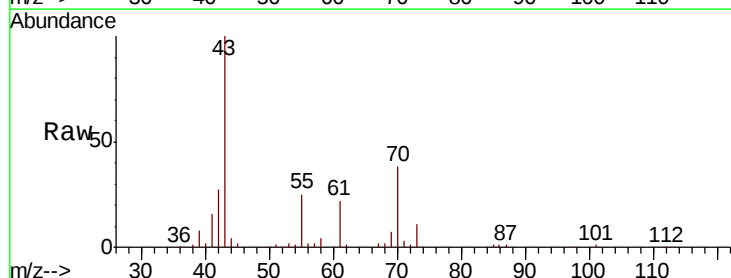
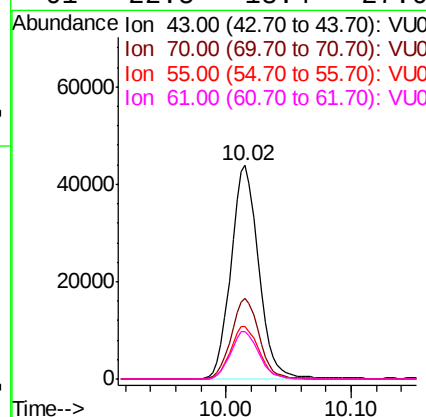
Manual Integrations
APPROVED

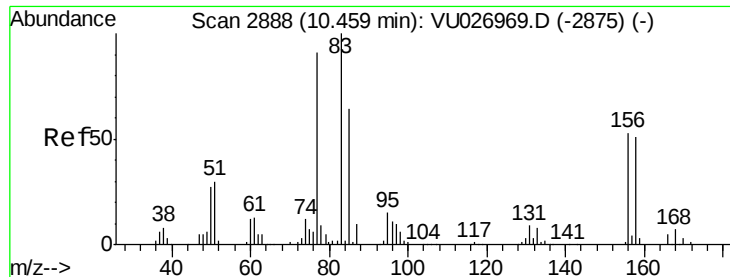
MMDadoda
10/2/2018 1:07:00 PM



#74
N-ethyl acetate
Concen: 21.399 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.7	31.8	47.8
55	25.4	19.9	29.9
61	22.5	18.4	27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.755 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

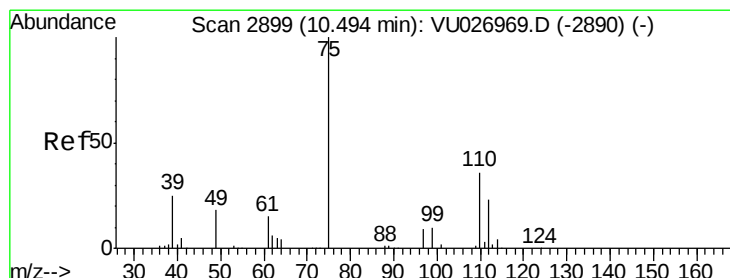
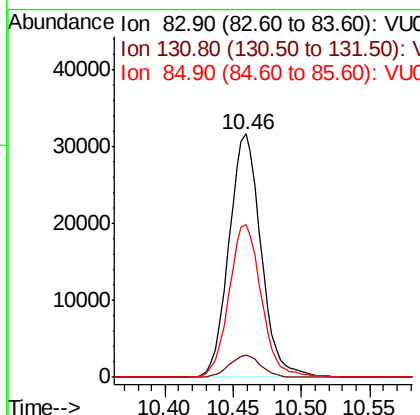
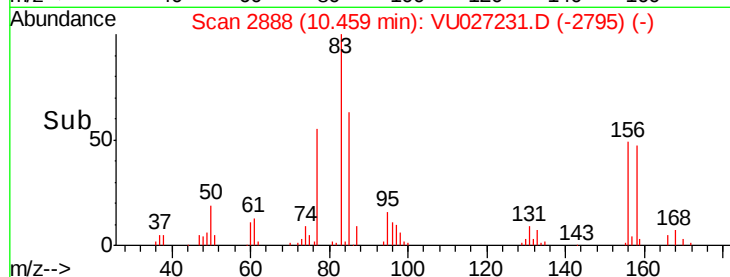
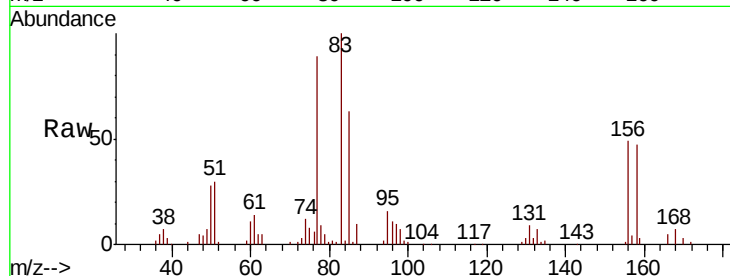
ClientSampleId :

VU0928WBS01

Tot Ion:	83	Resp:	51826
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.3	12.8
85	63.4	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.129 ug/l m

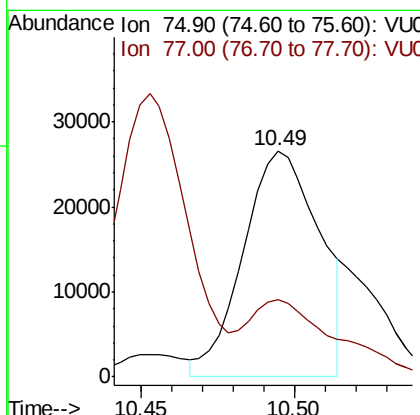
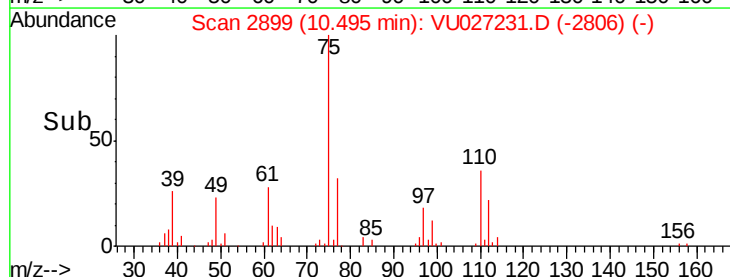
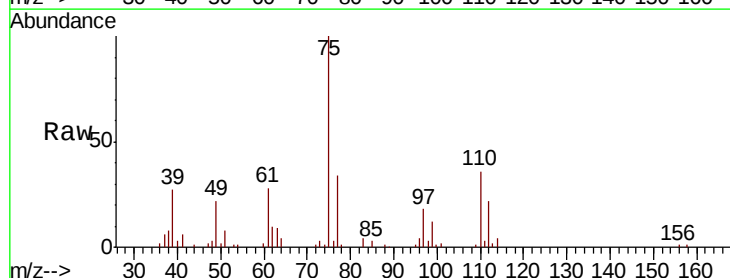
RT: 10.49 min Scan# 2899

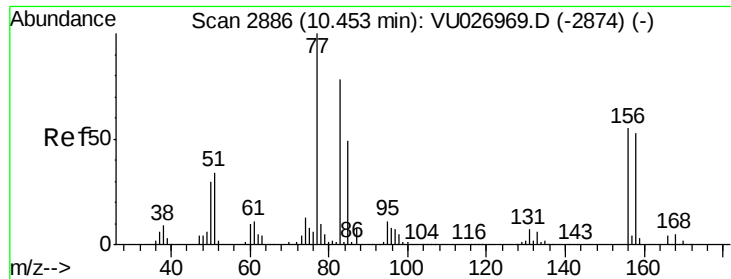
Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Tgt Ion:	75	Resp:	45828
Ion Ratio	Lower	Upper	
75	100		
77	38.8	20.9	62.8





#77

Bromobenzene

Concen: 21.987 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

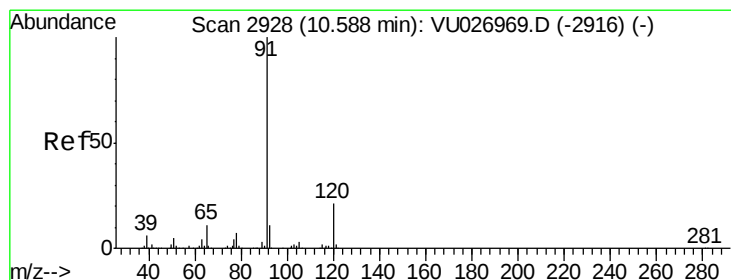
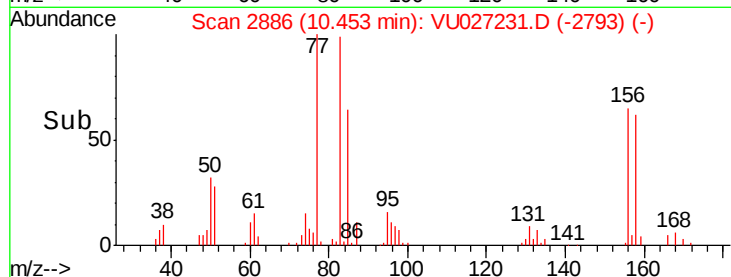
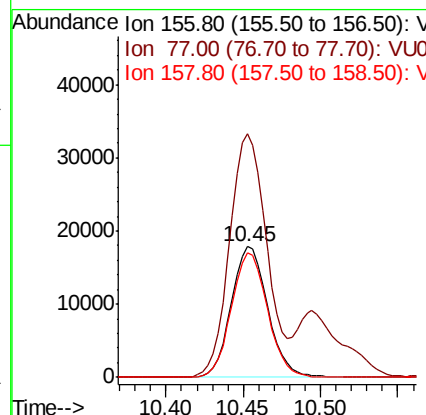
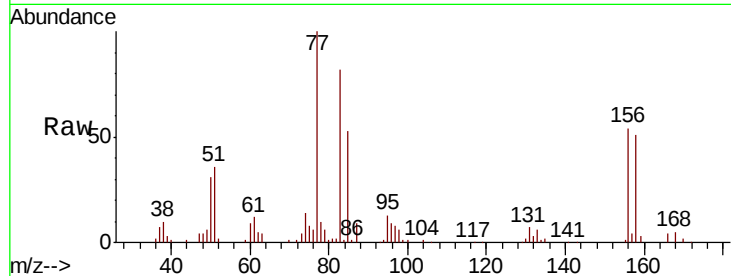
ClientSampleId :

VU0928WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	188.8	92.3	276.9
158	94.1	48.1	144.3

Manual Integrations
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10/2/2018 1:07:00 PM



#78

n-propylbenzene

Concen: 23.332 ug/l

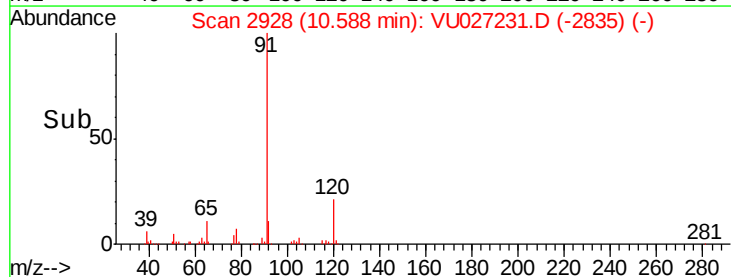
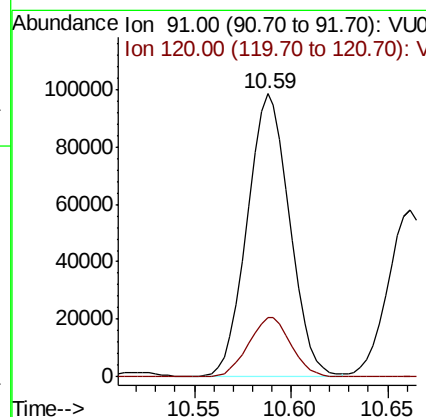
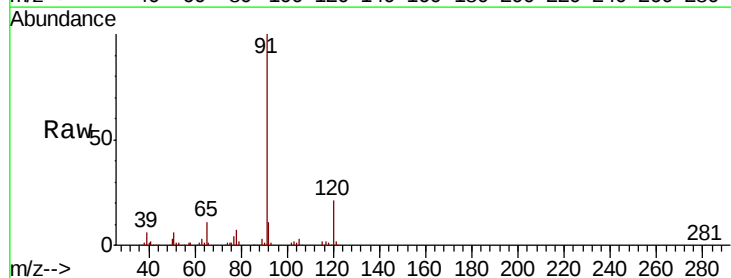
RT: 10.59 min Scan# 2928

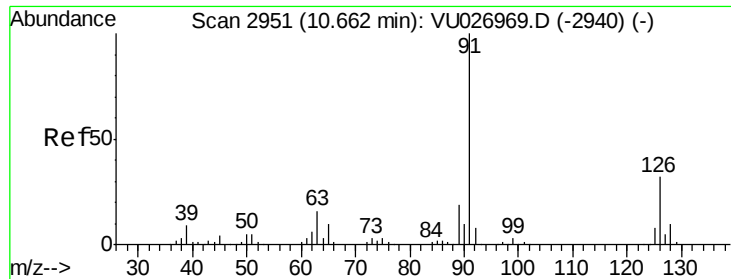
Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.6	31.8





#79

2-Chlorotoluene

Concen: 22.647 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

Tot Ion: 91 Resp: 91412

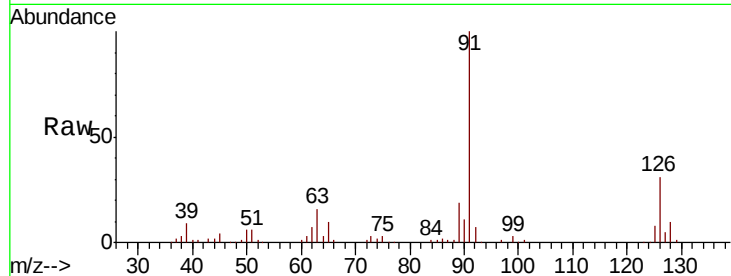
Ion Ratio Lower Upper

91 100

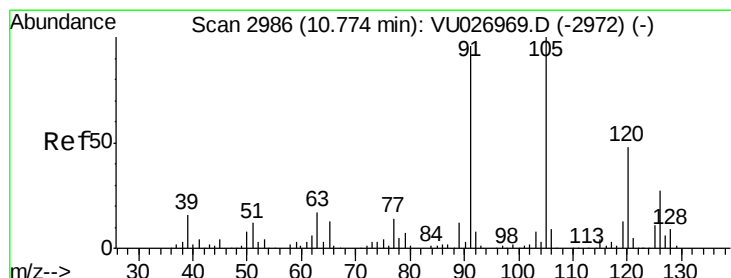
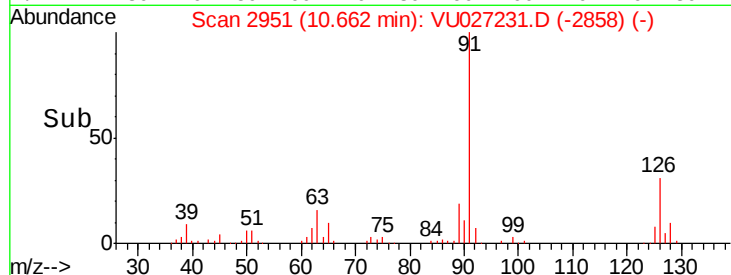
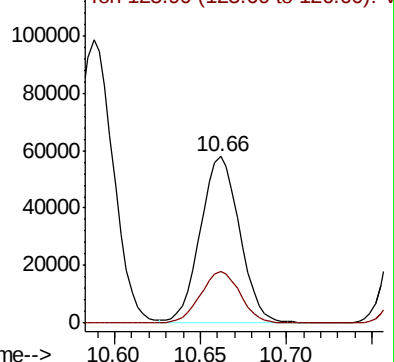
126 31.5 15.8 47.3

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.417 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027231.D

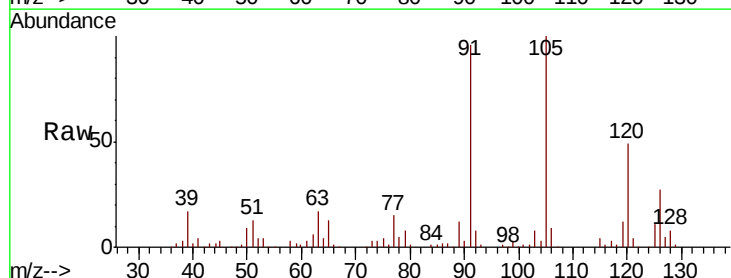
Acq: 27 Sep 2018 17:54

Tgt Ion: 105 Resp: 104983

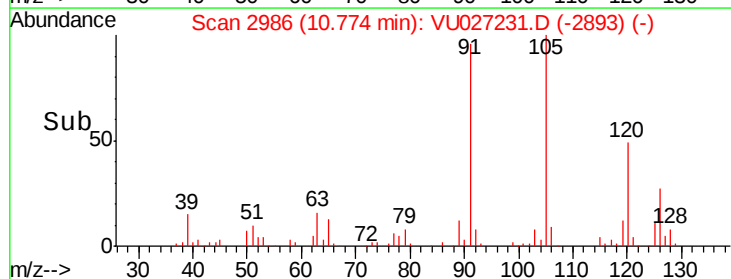
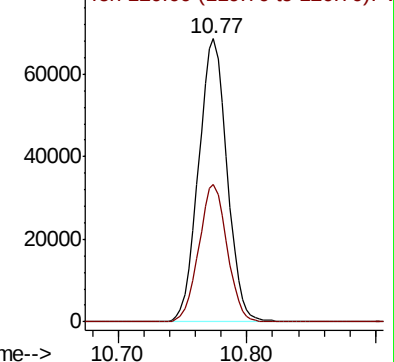
Ion Ratio Lower Upper

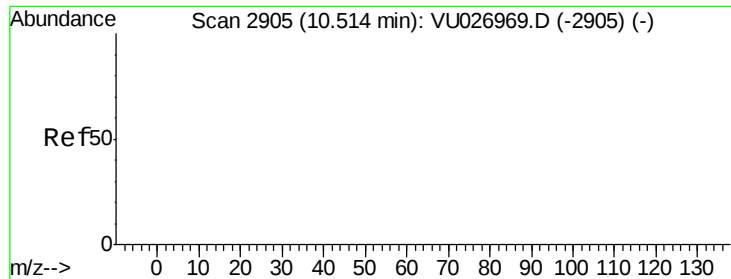
105 100

120 48.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-2972) (-)





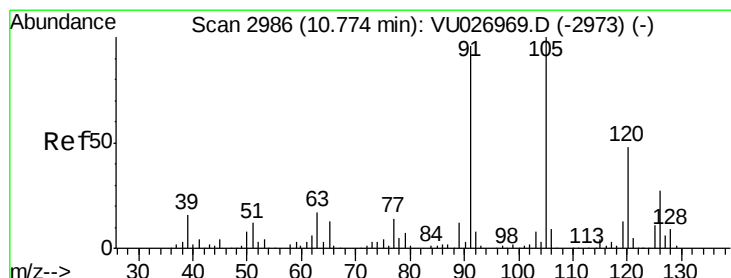
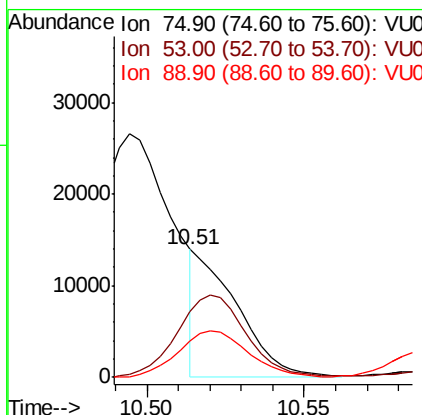
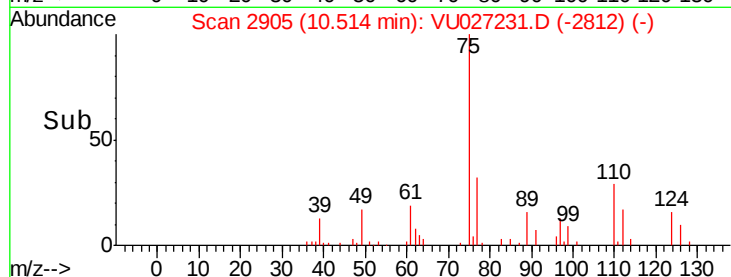
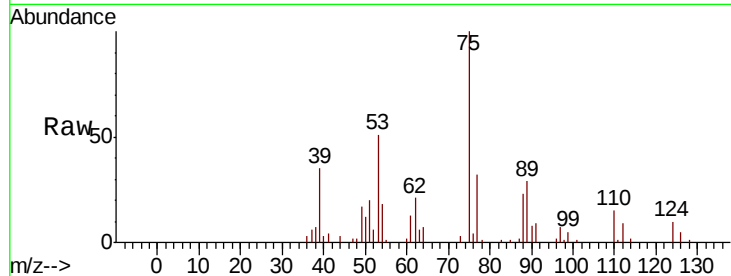
#81
trans-1,4-Dichloro-2-butene
Concen: 18.823 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

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

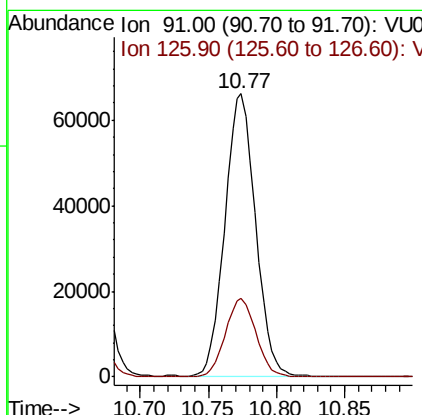
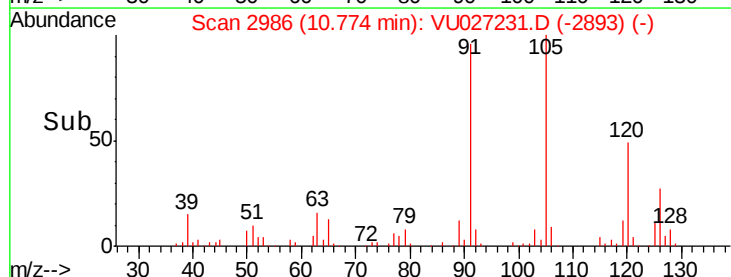
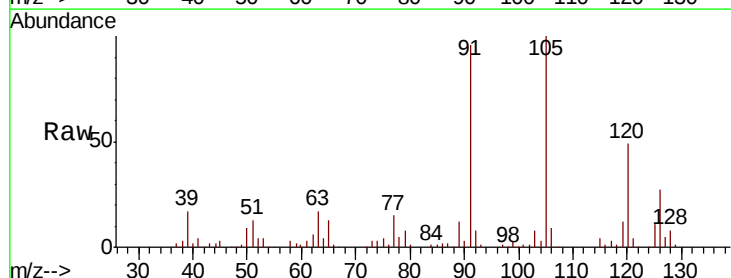
Manual Integrations
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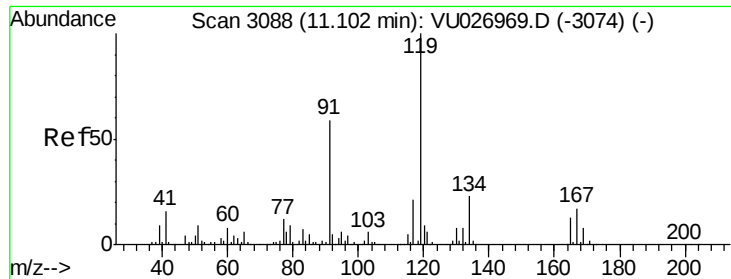
MMDadoda
10/2/2018 1:07:00 PM



#82
4-Chlorotoluene
Concen: 22.742 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.2





#83

tert-Butylbenzene

Concen: 21.559 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

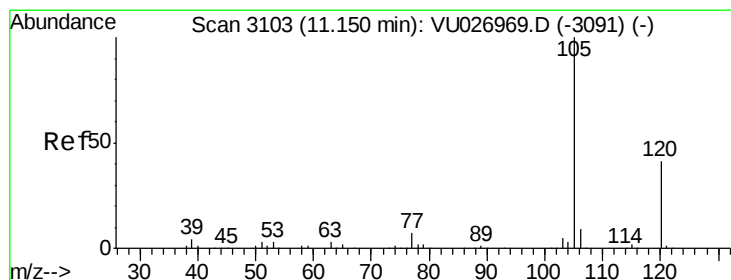
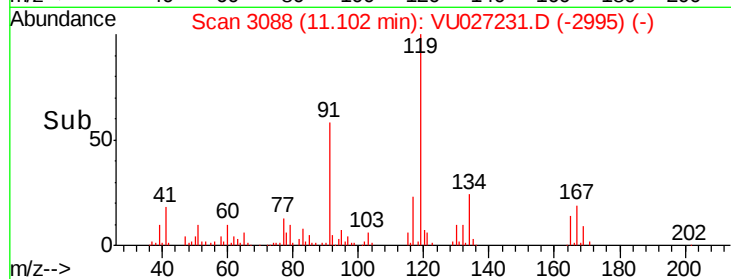
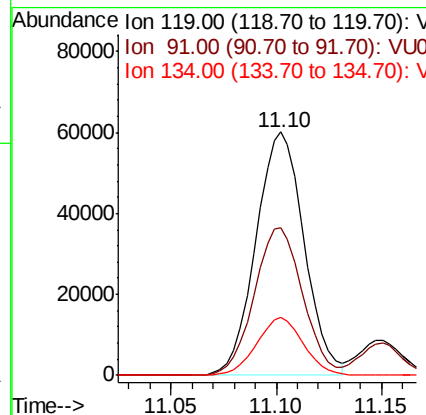
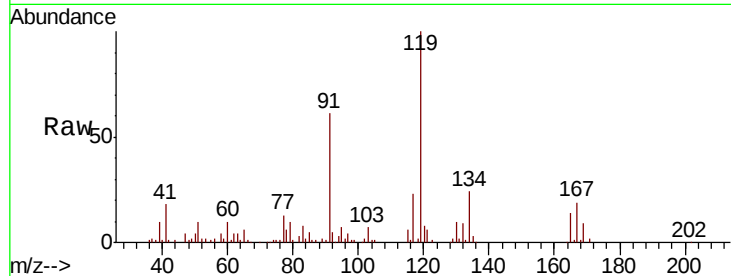
ClientSampleId :

VU0928WBS01

Tot Ion:	119	Resp:	95557
Ion Ratio	Lower	Upper	
119	100		
91	61.1	29.8	89.4
134	22.9	11.5	34.4

Manual Integrations
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10/2/2018 1:07:00 PM



#84

1,2,4-Trimethylbenzene

Concen: 23.343 ug/l

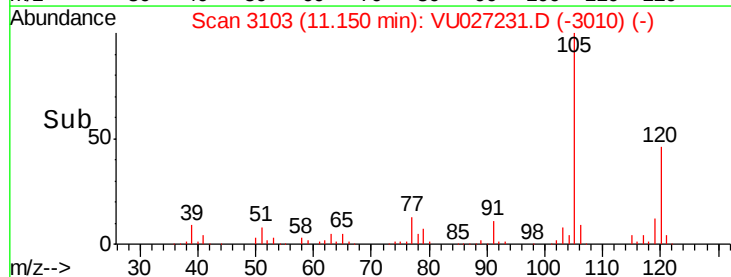
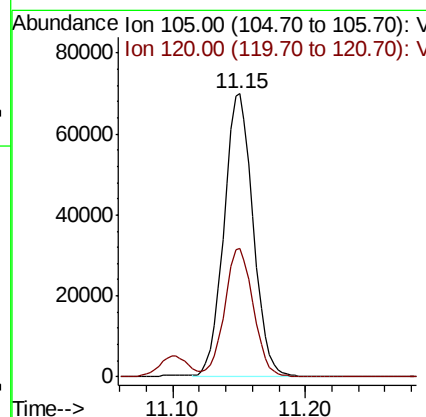
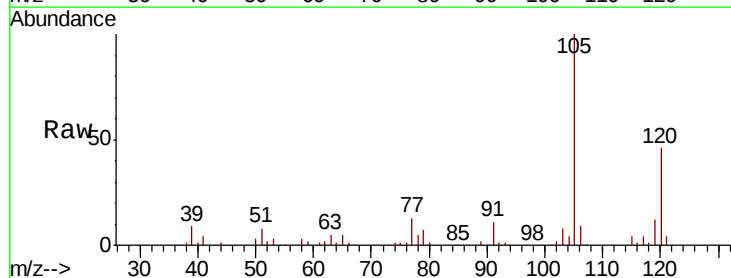
RT: 11.15 min Scan# 3103

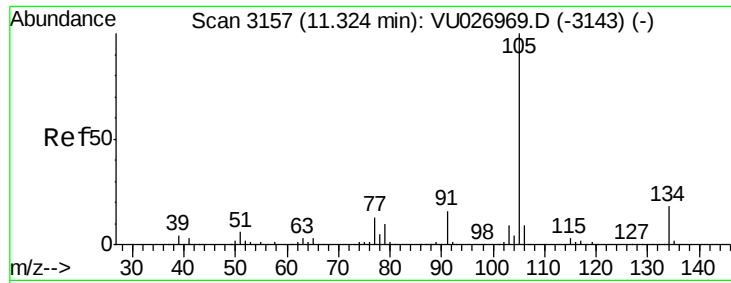
Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Tgt Ion:	105	Resp:	106504
Ion Ratio	Lower	Upper	
105	100		
120	45.0	22.4	67.2





#85

sec-Butylbenzene

Concen: 22.850 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

Tot Ion:105 Resp: 123629

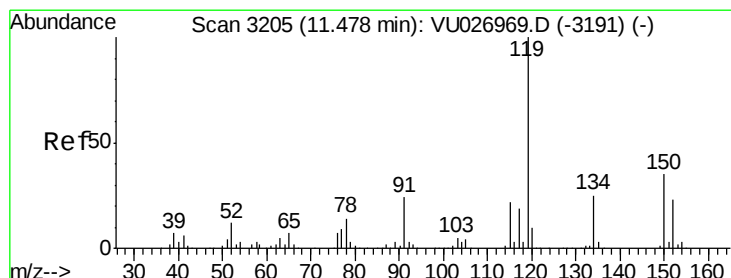
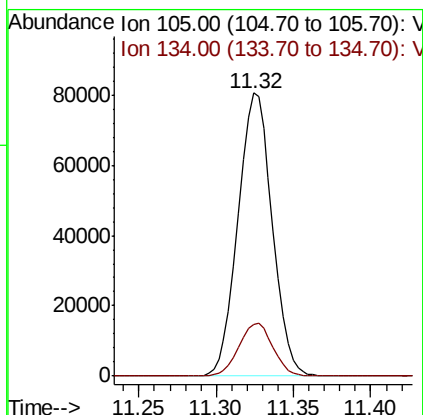
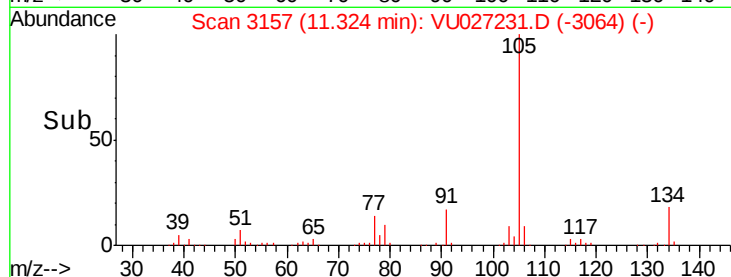
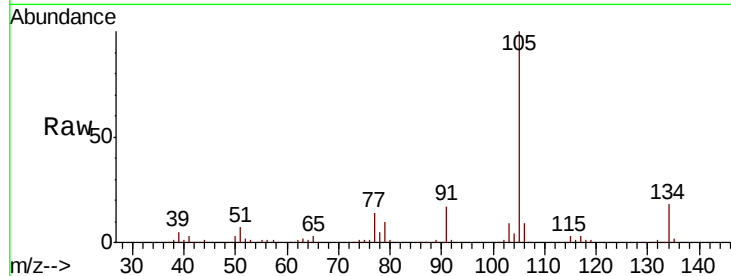
Ion Ratio Lower Upper

105 100

134 18.7 9.4 28.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.215 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

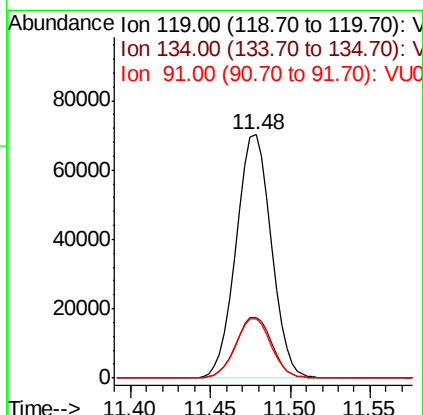
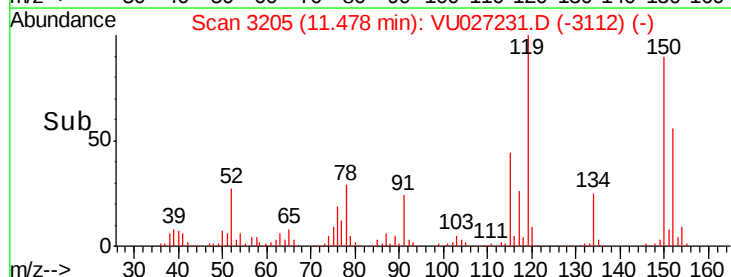
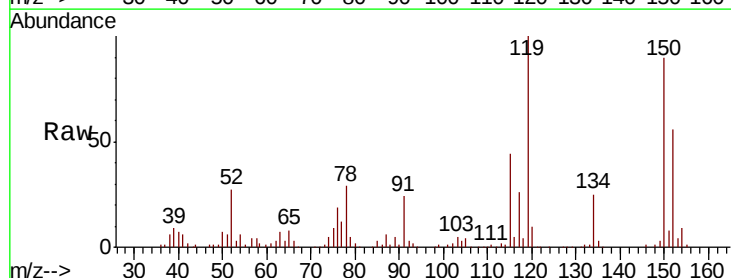
Tgt Ion:119 Resp: 104946

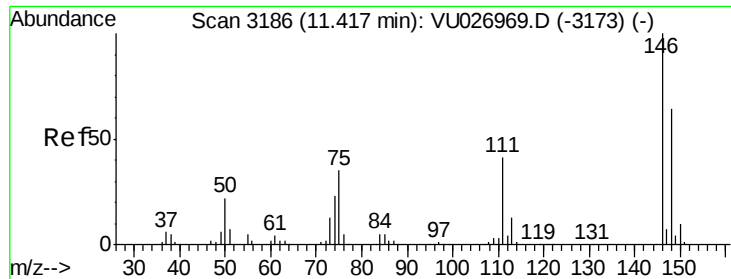
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 24.8 12.3 36.8





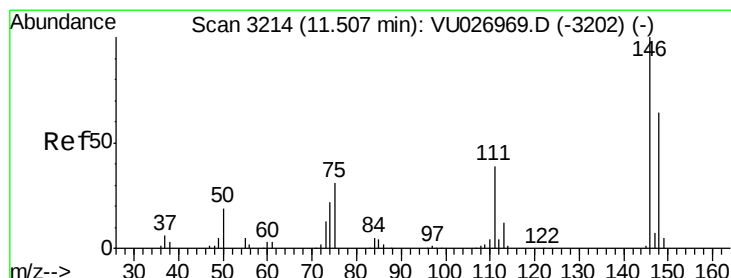
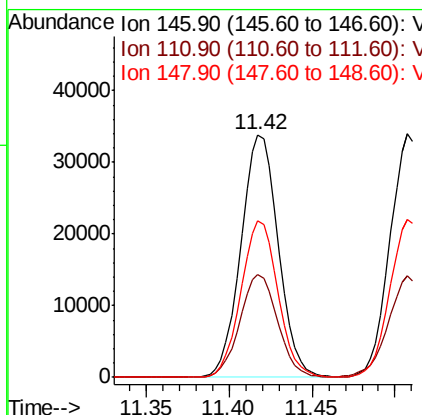
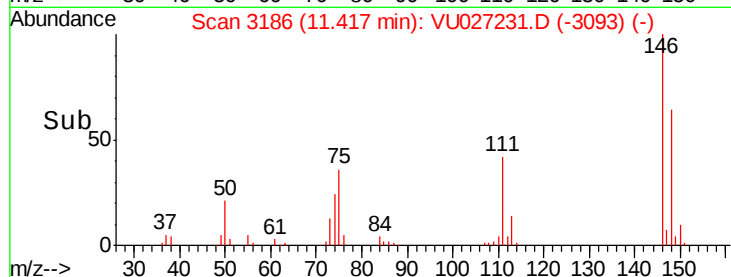
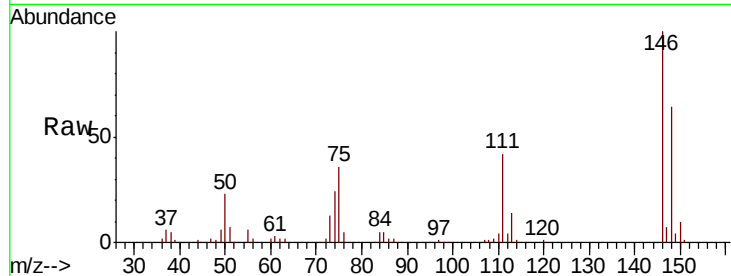
#87
 1,3-Dichlorobenzene
 Concen: 21.509 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.2
148	63.9	32.0	96.2

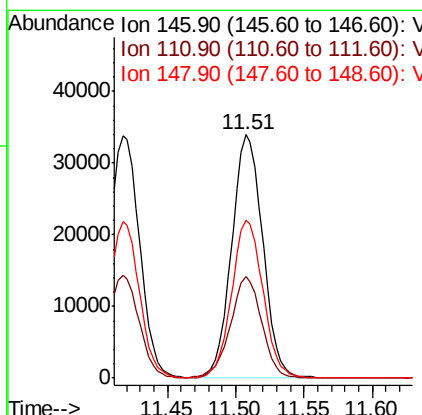
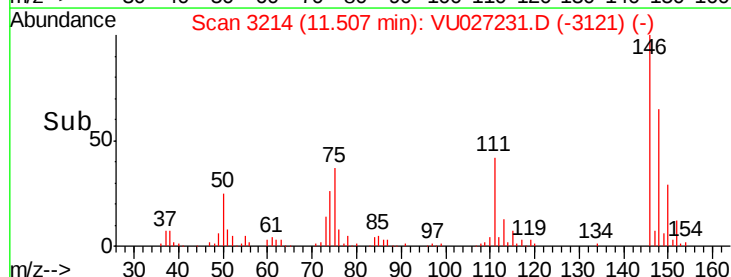
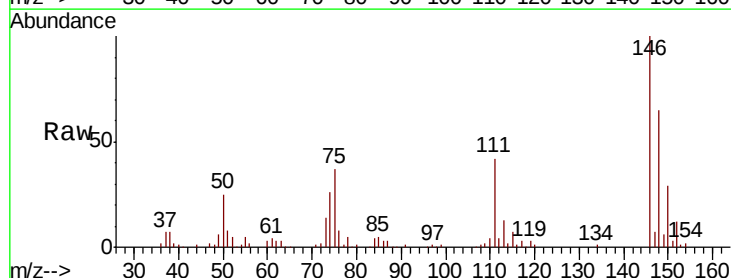
Manual Integrations
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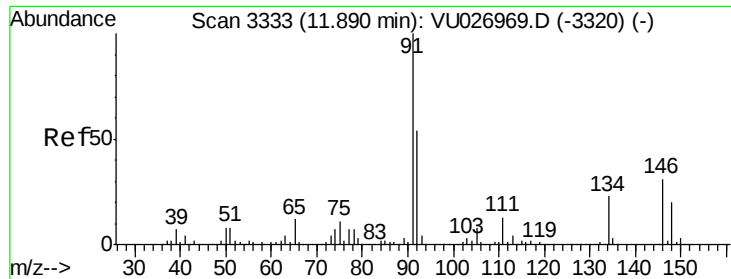
MMDadoda
 10/2/2018 1:07:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.015 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.3	60.9
148	65.2	31.9	95.9





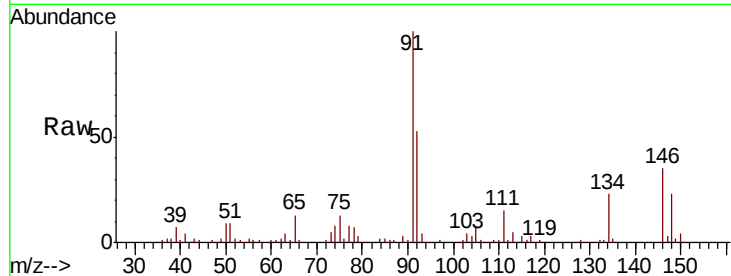
#89
n-Butylbenzene
Concen: 20.276 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.1	81.2
134	23.3	11.7	35.0

Manual Integrations
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10/2/2018 1:07:00 PM

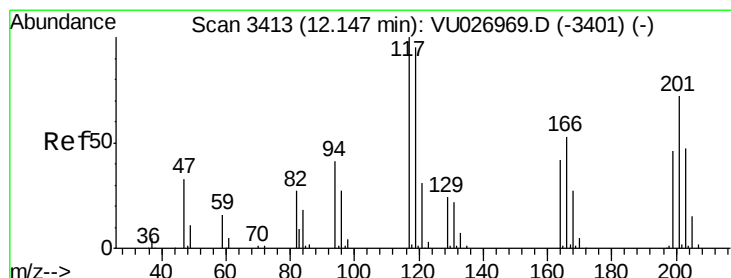
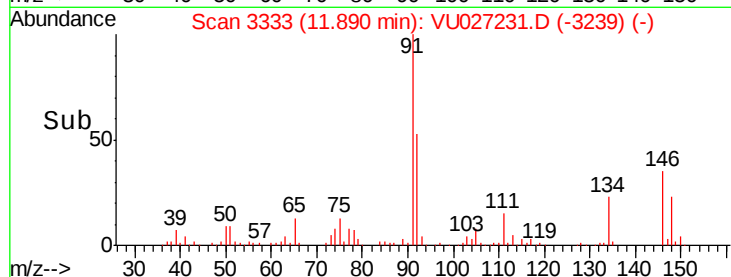
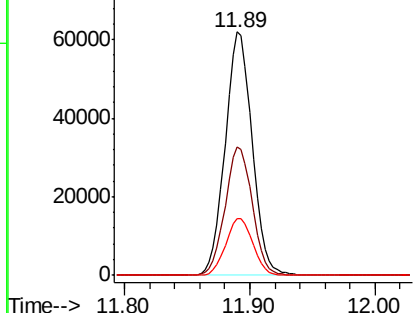


Abundance

Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

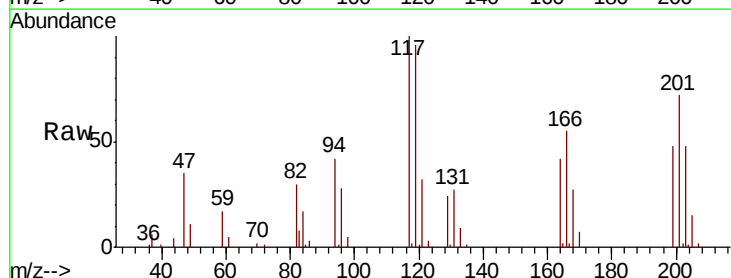
Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)



#90
Hexachloroethane
Concen: 20.744 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

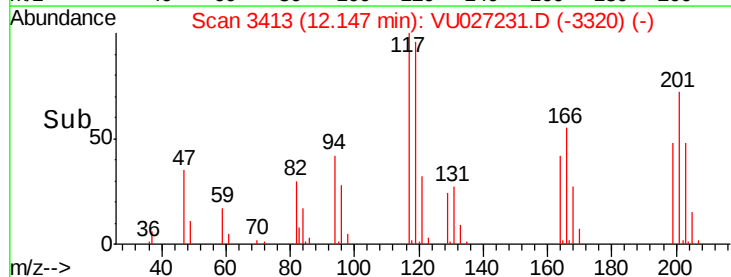
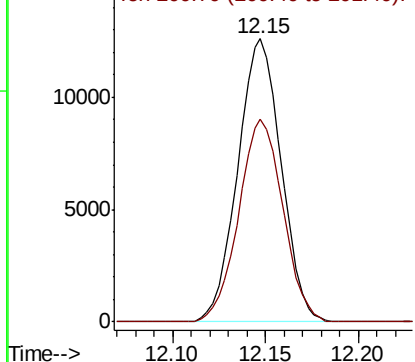
Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.0	36.8	110.3

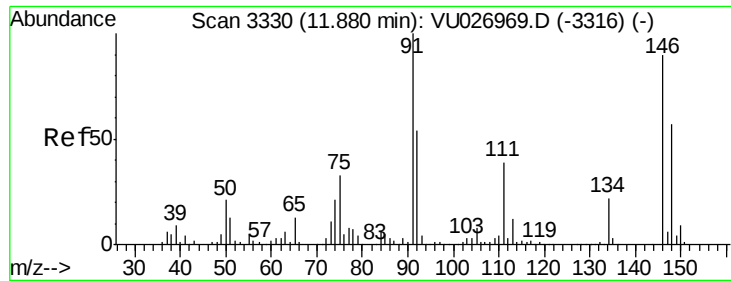


Abundance

Ion 116.80 (116.50 to 117.50): VU026969.D (-3401) (-)

Ion 200.70 (200.40 to 201.40): VU026969.D (-3401) (-)





#91

1,2-Dichlorobenzene

Concen: 20.375 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

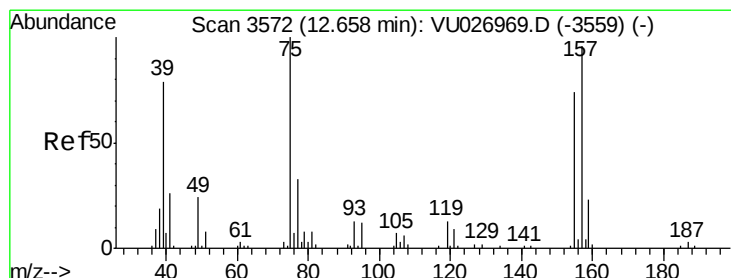
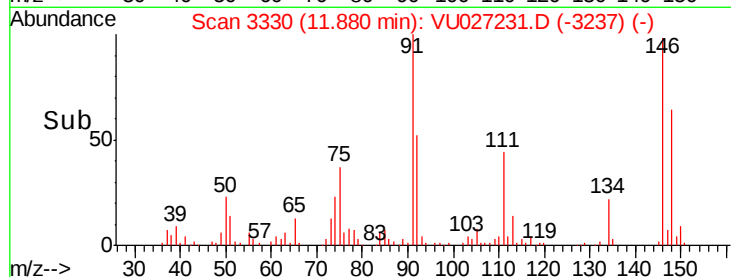
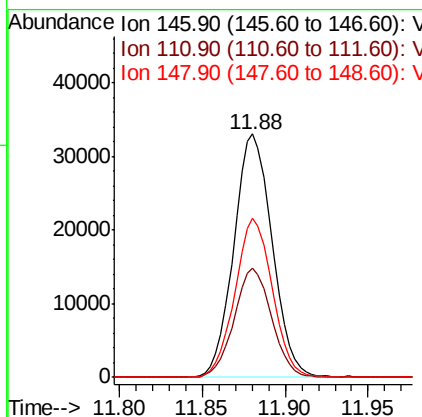
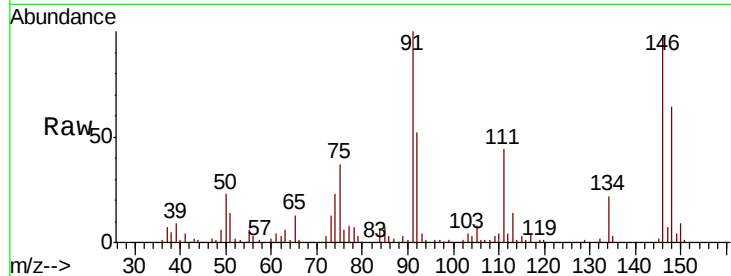
ClientSampleId :

VU0928WBS01

Tot Ion:	146	Resp:	53453
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.8	65.3
148	63.5	31.9	95.7

Manual Integrations
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MMDadoda
10/2/2018 1:07:00 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.410 ug/l

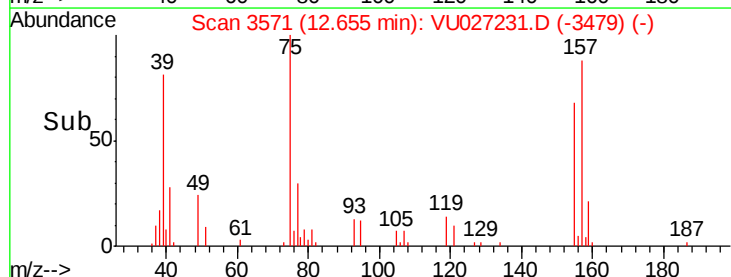
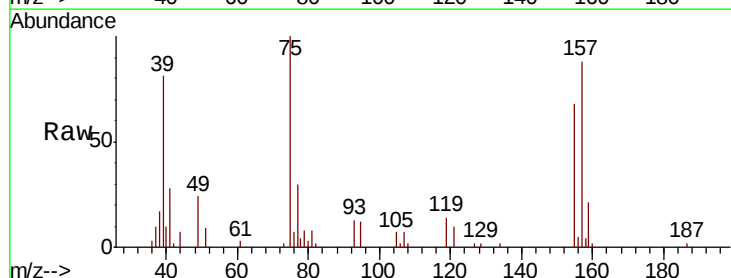
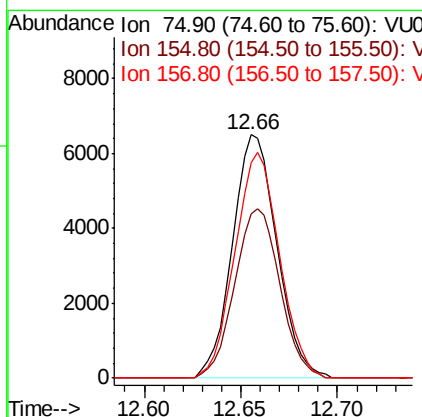
RT: 12.66 min Scan# 3571

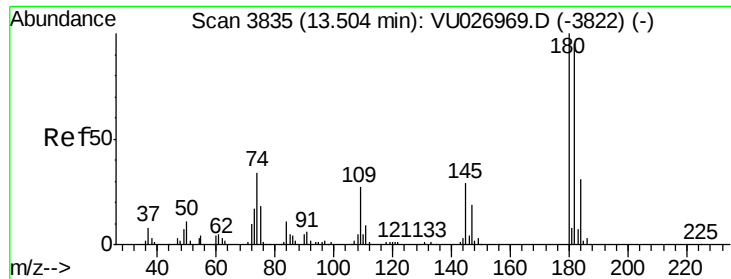
Delta R.T. -0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Tgt Ion:	75	Resp:	10397
Ion Ratio	Lower	Upper	
75	100		
155	70.8	36.6	109.8
157	93.0	47.4	142.2





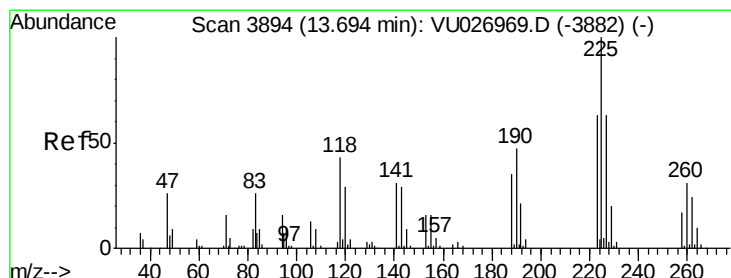
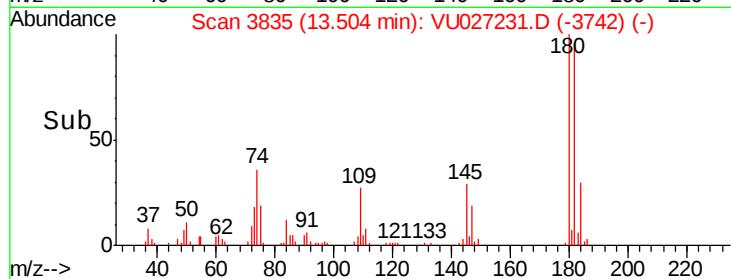
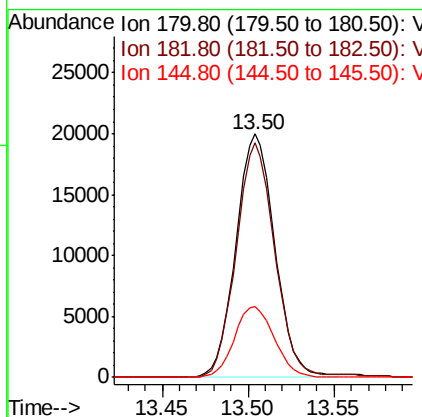
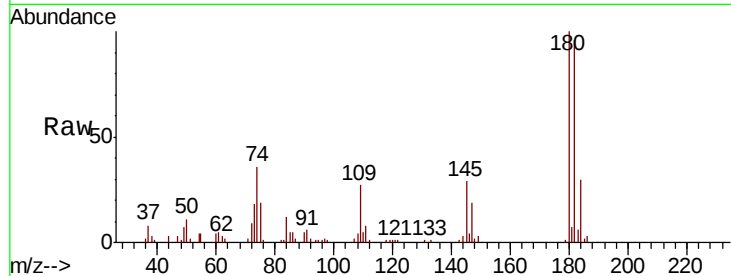
#93
 1,2,4-Trichlorobenzene
 Concen: 20.744 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Instrument :
 MSVOA_U
 ClientSampled :
 VU0928WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.4	142.2
145	29.6	14.9	44.5

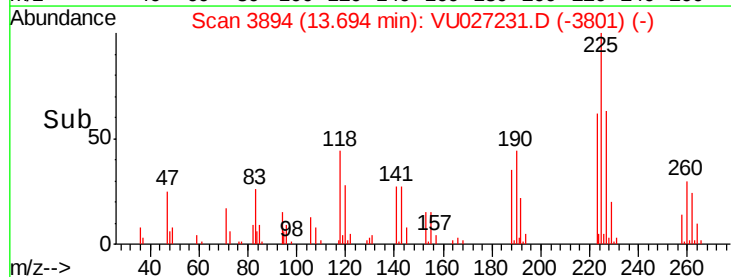
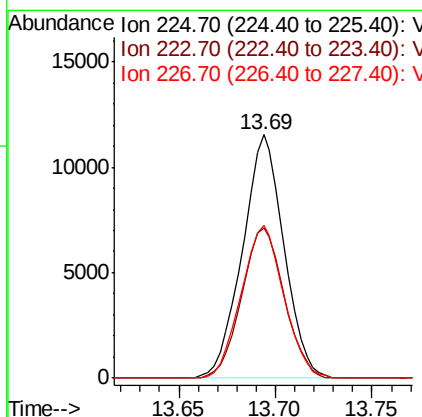
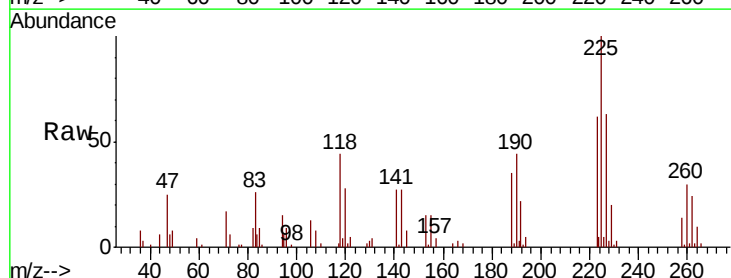
Manual Integrations
 APPROVED

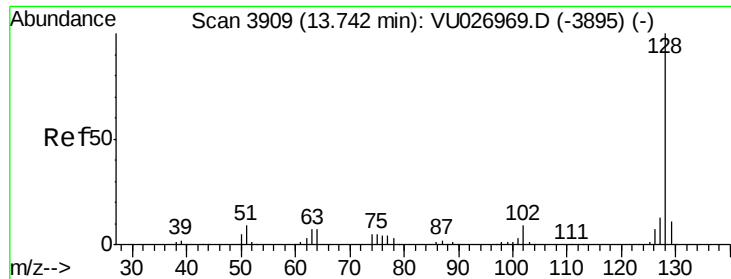
MMDadoda
 10/2/2018 1:07:00 PM



#94
 Hexachlorobutadiene
 Concen: 21.514 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	64.4	32.1	96.5





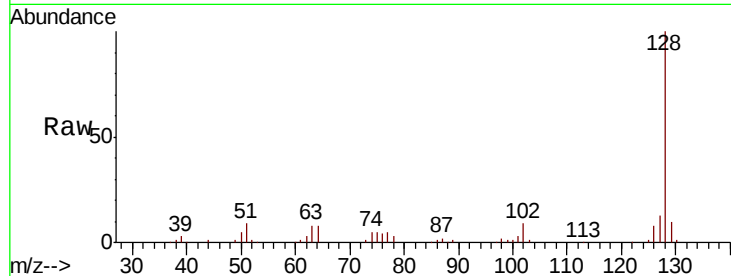
#95
Naphthalene
Concen: 18.680 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/2/2018 1:07:00 PM

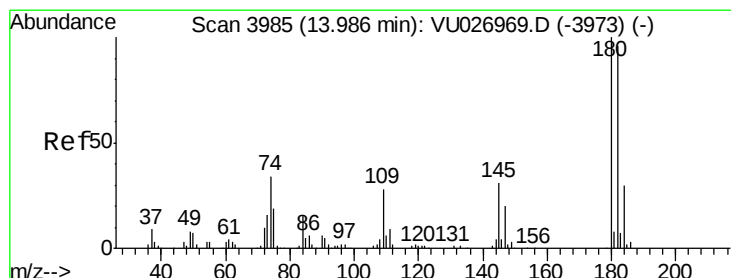
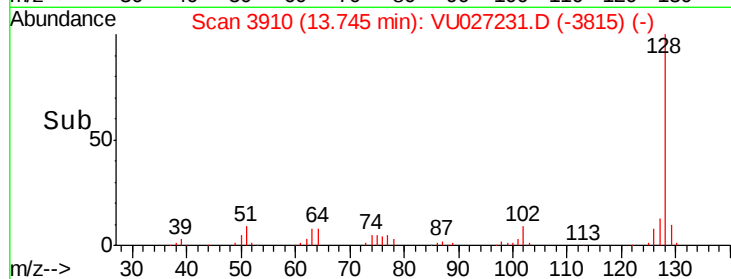
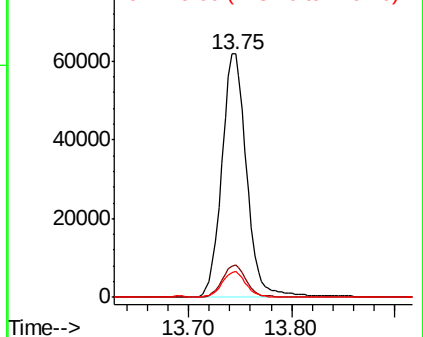


Abundance

Ion 128.00 (127.70 to 128.70): V

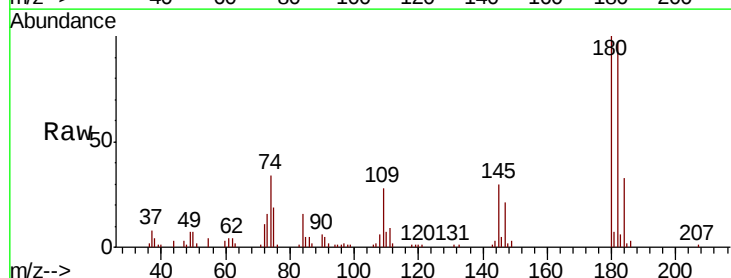
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.070 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.5
145	30.8	15.4	46.4



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

