

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026974.D
 Acq On : 21 Sep 2018 18:09
 Operator : MD/SY
 Sample : VU0922WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Manual Integrations
 APPROVED

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 9/24/2018 2:14:11 PM

Quant Time: Sep 22 01:46:47 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	94024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	157387	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	80303	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	87899	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
35) Dibromofluoromethane	4.88	113	64368	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	
50) Toluene-d8	7.57	98	249868	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
62) 4-Bromofluorobenzene	10.31	95	86227	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	22468	18.302	ug/l	99
3) Chloromethane	1.33	50	37218	17.584	ug/l	99
4) Vinyl Chloride	1.40	62	35090	17.761	ug/l	100
5) Bromomethane	1.62	94	21106	18.760	ug/l	96
6) Chloroethane	1.70	64	23739	18.806	ug/l	99
7) Trichlorofluoromethane	1.89	101	41815	18.635	ug/l	98
8) Diethyl Ether	2.11	74	20267	18.765	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	25633	18.579	ug/l	97
10) Methyl Iodide	2.41	142	29781	17.404	ug/l	97
11) Tert butyl alcohol	2.83	59	41347	95.325	ug/l	97
12) 1,1-Dichloroethene	2.29	96	24145	18.593	ug/l	99
13) Acrolein	2.20	56	21747	93.008	ug/l	99
14) Allyl chloride	2.59	41	50694	19.247	ug/l	99
15) Acrylonitrile	2.94	53	101359	92.717	ug/l	98
16) Acetone	2.32	43	104880	93.982	ug/l	99
17) Carbon Disulfide	2.48	76	77555	18.333	ug/l	100
18) Methyl Acetate	2.62	43	49488	18.373	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	92004	19.280	ug/l	100
20) Methylene Chloride	2.70	84	30011	17.708	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	26473	19.094	ug/l	97
22) Diisopropyl ether	3.57	45	111229	19.744	ug/l	99
23) Vinyl Acetate	3.53	43	467407	97.331	ug/l	99
24) 1,1-Dichloroethane	3.45	63	58677	18.911	ug/l	99
25) 2-Butanone	4.26	43	146459	92.093	ug/l	99
26) 2,2-Dichloropropane	4.23	77	46504	19.218	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	29728	18.986	ug/l	98
28) Bromochloromethane	4.55	49	27923	18.669	ug/l	98
29) Tetrahydrofuran	4.64	42	90876	94.461	ug/l	99
30) Chloroform	4.67	83	53371	18.531	ug/l	99
31) Cyclohexane	5.00	56	55078	19.173	ug/l #	92
32) 1,1,1-Trichloroethane	4.92	97	43838	19.064	ug/l	97
36) 1,1-Dichloropropene	5.14	75	39760	18.929	ug/l	100
37) Ethyl Acetate	4.38	43	50130	17.629	ug/l	97
38) Carbon Tetrachloride	5.14	117	36739	18.379	ug/l	95

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Manual Integrations
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Quant Time: Sep 22 01:46:47 2018
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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)
39) Methylcyclohexane	6.42	83	45408	19.893	ug/l	98
40) Benzene	5.39	78	119044	18.643	ug/l	97
41) Methacrylonitrile	4.54	41	28736	19.459	ug/l	99
42) 1,2-Dichloroethane	5.40	62	45401	18.819	ug/l	99
43) Isopropyl Acetate	5.55	43	78973	19.044	ug/l	100
44) Trichloroethene	6.19	130	25575	18.813	ug/l	98
45) 1,2-Dichloropropane	6.43	63	35257	19.378	ug/l	100
46) Dibromomethane	6.56	93	20773	18.904	ug/l	99
47) Bromodichloromethane	6.76	83	40920	18.416	ug/l	95
48) Methyl methacrylate	6.62	41	38757	17.836	ug/l	99
49) 1,4-Dioxane	6.62	88	17092	380.233	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	264940	94.992	ug/l	100
52) Toluene	7.64	92	69457	18.976	ug/l	93
53) t-1,3-Dichloropropene	7.88	75	46792	19.601	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	49491	18.855	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	29688	19.142	ug/l	98
56) Ethyl methacrylate	8.02	69	44598	18.040	ug/l	98
57) 1,3-Dichloropropane	8.24	76	56066	19.437	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	133434	90.535	ug/l	100
59) 2-Hexanone	8.36	43	201505	92.297	ug/l	100
60) Dibromochloromethane	8.48	129	28291	18.597	ug/l	100
61) 1,2-Dibromoethane	8.59	107	30354	18.811	ug/l	99
64) Tetrachloroethene	8.23	164	22066	18.946	ug/l	99
65) Chlorobenzene	9.12	112	74696	18.638	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	26731	19.365	ug/l	98
67) Ethyl Benzene	9.25	91	128869	19.554	ug/l	99
68) m/p-Xylenes	9.38	106	99006	38.039	ug/l	97
69) o-Xylene	9.78	106	46623	19.967	ug/l	99
70) Styrene	9.79	104	75477	18.495	ug/l	100
71) Bromoform	9.96	173	19581	18.343	ug/l #	99
73) Isopropylbenzene	10.17	105	126001	20.627	ug/l	100
74) N-amyl acetate	10.02	43	67647	19.131	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	50390	17.942	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	41647m	17.071	ug/l	
77) Bromobenzene	10.45	156	29109	19.500	ug/l	98
78) n-propylbenzene	10.59	91	149185	20.640	ug/l	99
79) 2-Chlorotoluene	10.66	91	91123	20.071	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	105090	20.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	14566m	19.107	ug/l	
82) 4-Chlorotoluene	10.77	91	102420	20.119	ug/l	99
83) tert-Butylbenzene	11.10	119	99512	19.961	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	107610	20.970	ug/l	98
85) sec-Butylbenzene	11.32	105	123961	20.370	ug/l	99
86) p-Isopropyltoluene	11.48	119	107223	19.356	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	53727	19.341	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	54583	18.029	ug/l	98
89) n-Butylbenzene	11.89	91	93463	18.469	ug/l	99
90) Hexachloroethane	12.15	117	20543	18.563	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	53238	18.042	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10367	18.094	ug/l	98

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ClientSampleId :
VU0922WBS01

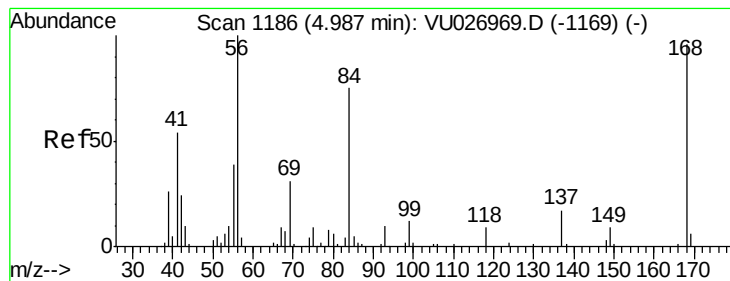
Manual Integrations
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Quant Time: Sep 22 01:46:47 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	32736	19.252	ug/l	99
94) Hexachlorobutadiene	13.69	225	17259	19.183	ug/l	99
95) Naphthalene	13.75	128	110734	17.782	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	35703	19.579	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

Tot Ion:168 Resp: 94024

Ion Ratio Lower Upper

168 100

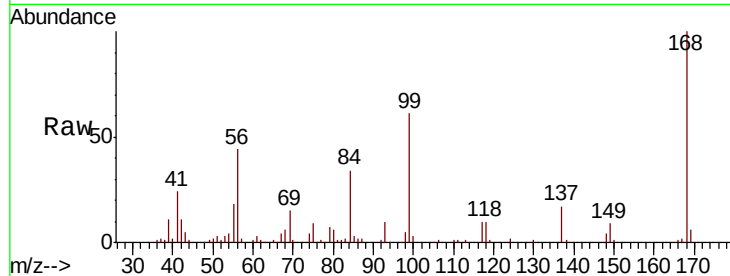
99 60.0 48.1 72.1

Manual Integrations

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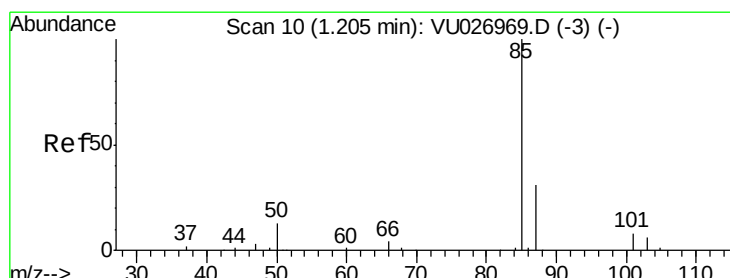
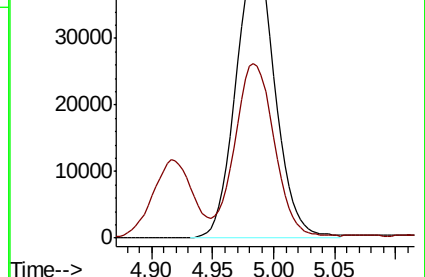
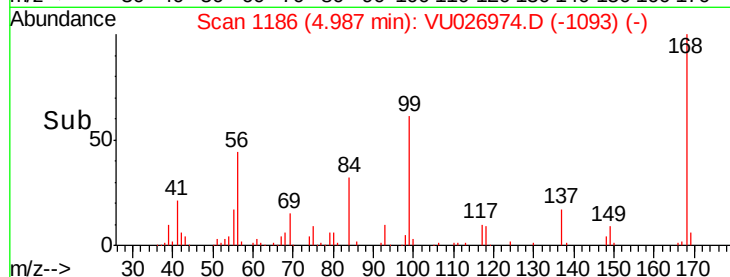


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

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

4.99

4.90 4.95 5.00 5.05



#2

Dichlorodifluoromethane

Concen: 18.302 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026974.D

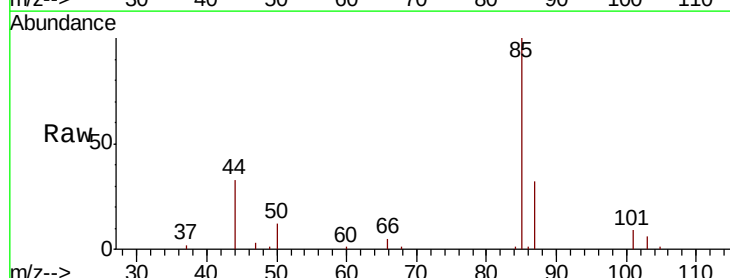
Acq: 21 Sep 2018 18:09

Tgt Ion: 85 Resp: 22468

Ion Ratio Lower Upper

85 100

87 31.7 15.6 46.7

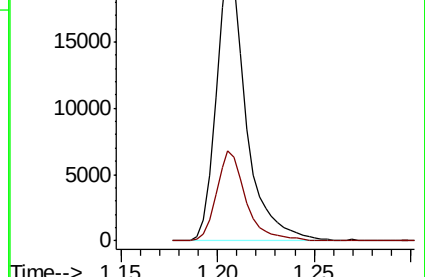
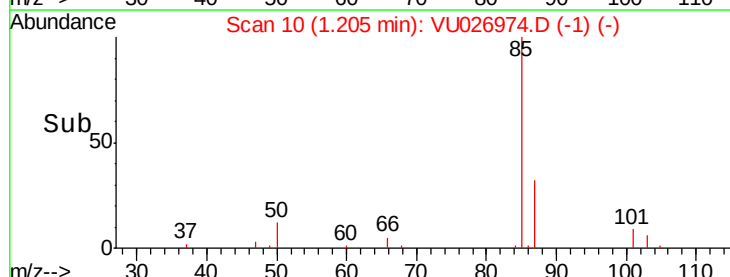


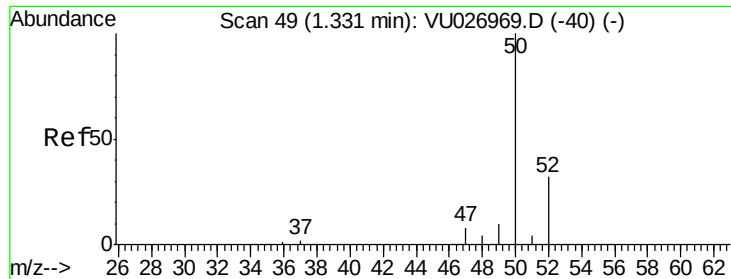
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

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

1.21

1.15 1.20 1.25





#3

Chloromethane

Concen: 17.584 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

Tot Ion: 50 Resp: 37218

Ion Ratio Lower Upper

50 100

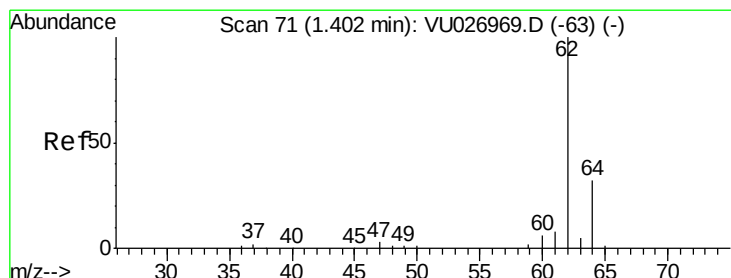
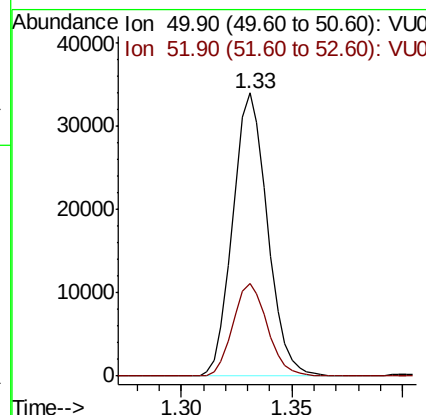
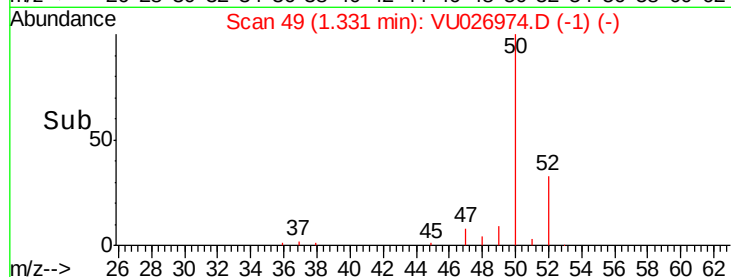
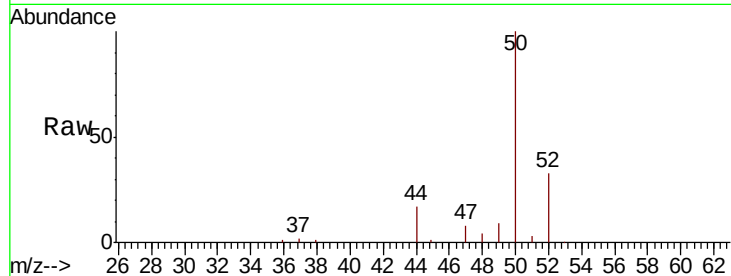
52 32.8 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.761 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026974.D

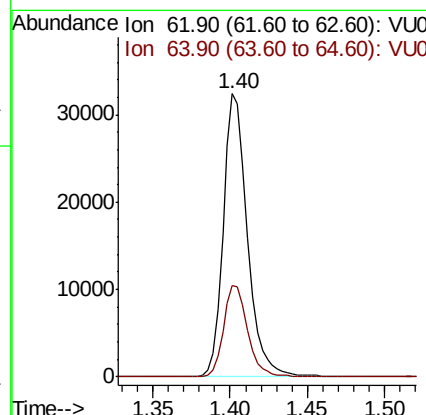
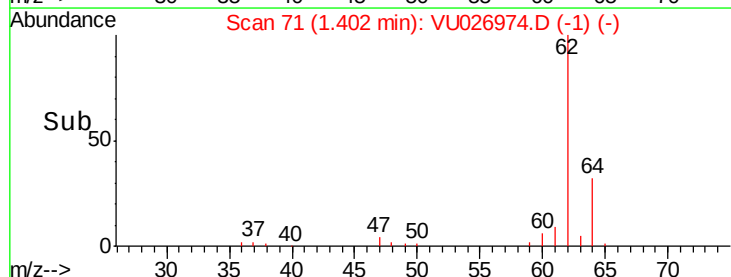
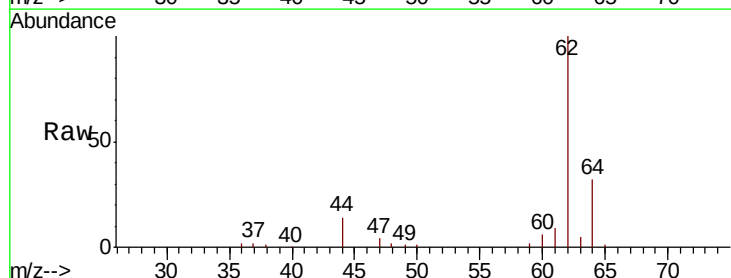
Acq: 21 Sep 2018 18:09

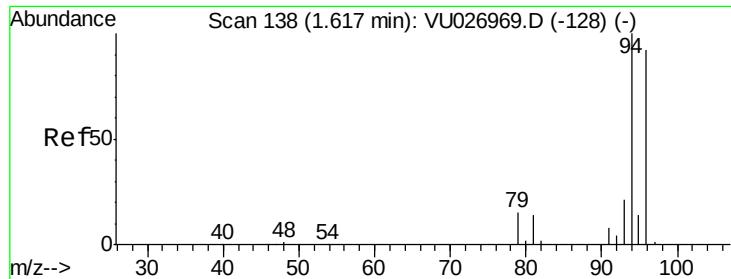
Tgt Ion: 62 Resp: 35090

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





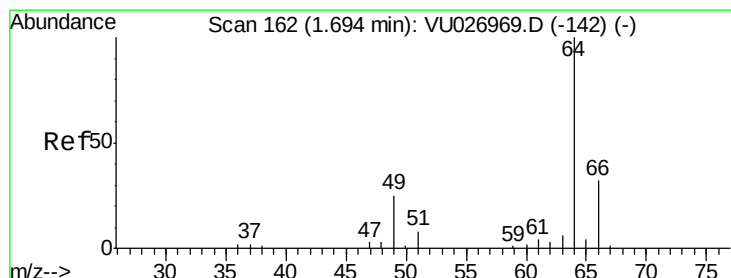
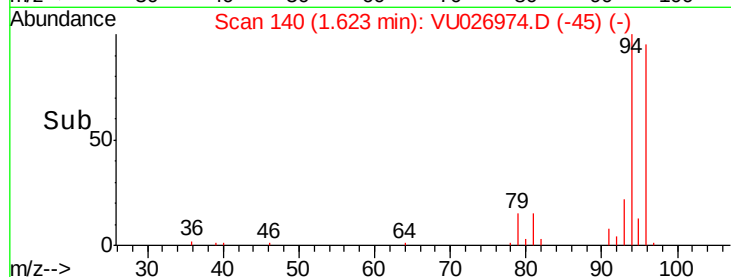
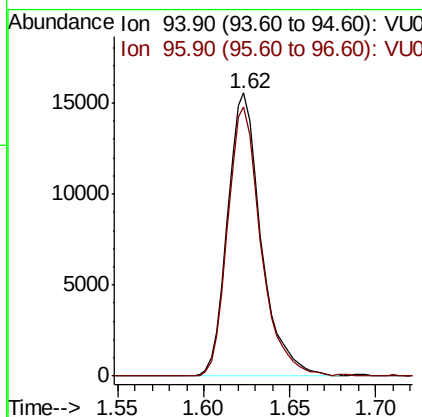
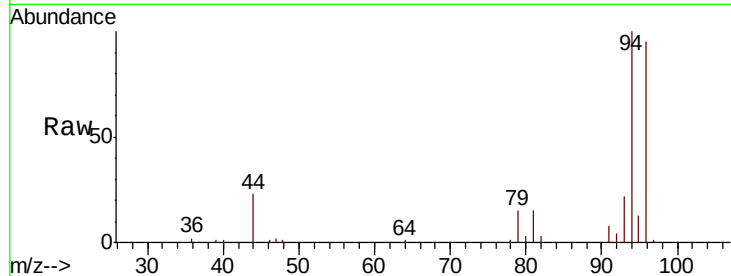
#5
Bromomethane
Concen: 18.760 ug/l
RT: 1.62 min Scan# 140
Delta R.T. 0.01 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion: 94 Resp: 21106
Ion Ratio Lower Upper
94 100
96 95.1 73.2 109.8

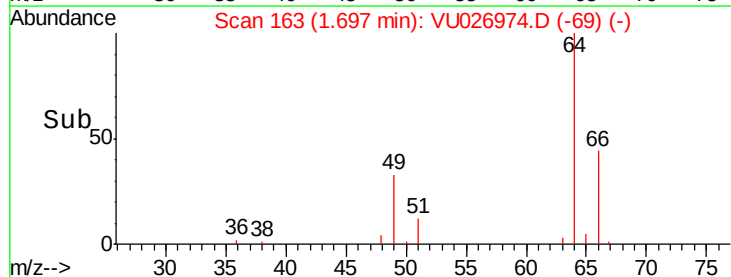
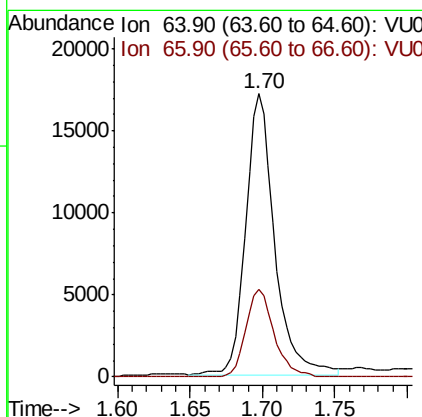
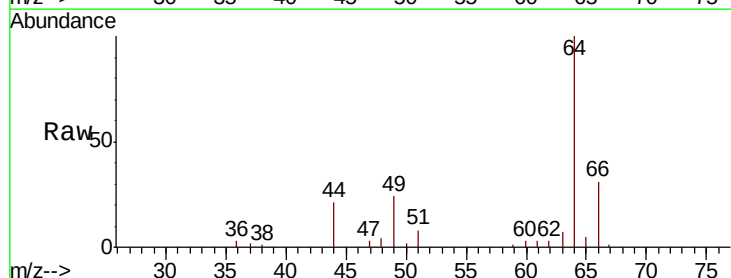
Manual Integrations
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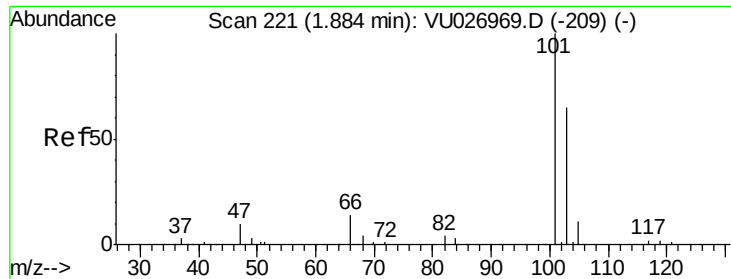
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#6
Chloroethane
Concen: 18.806 ug/l
RT: 1.70 min Scan# 163
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion: 64 Resp: 23739
Ion Ratio Lower Upper
64 100
66 31.0 25.3 37.9





#7

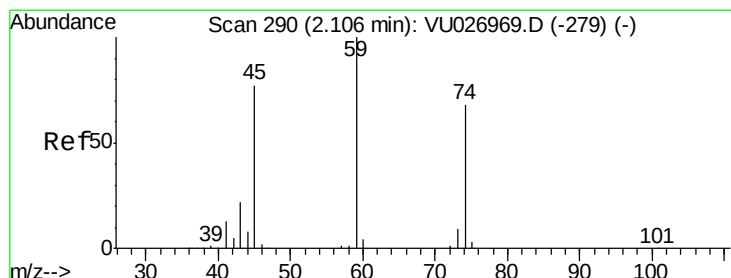
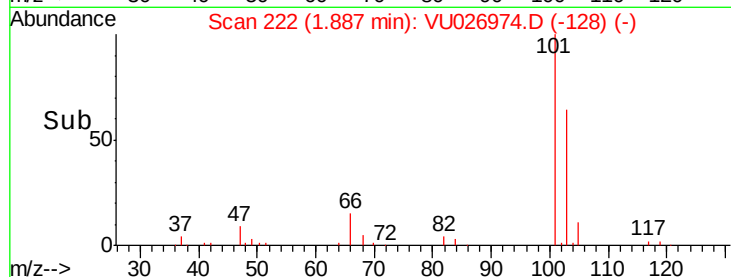
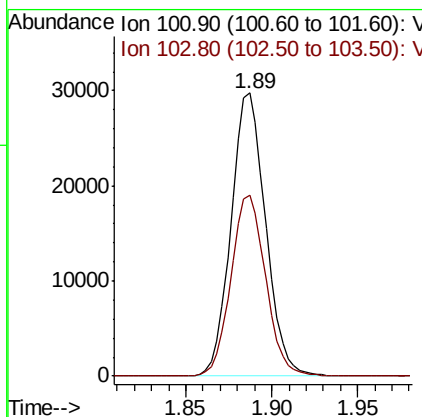
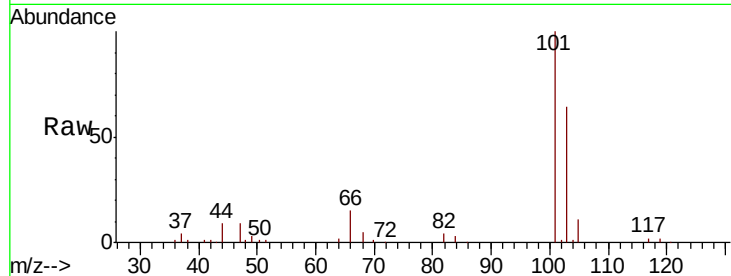
Trichlorofluoromethane
 Concen: 18.635 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.2	78.2

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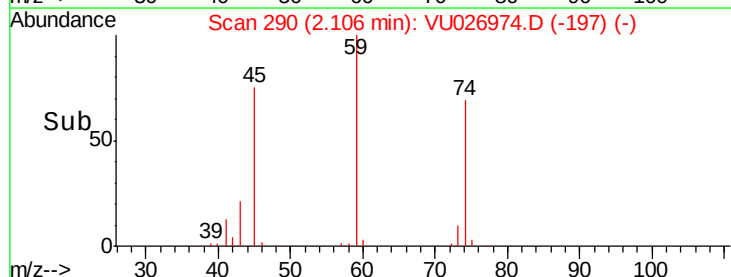
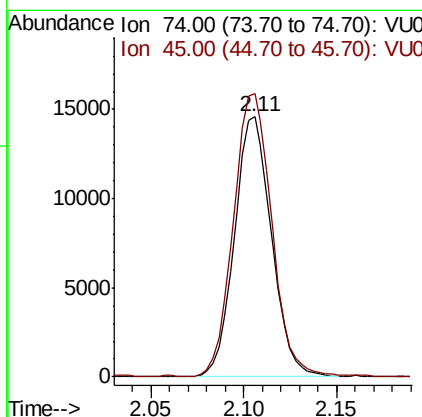
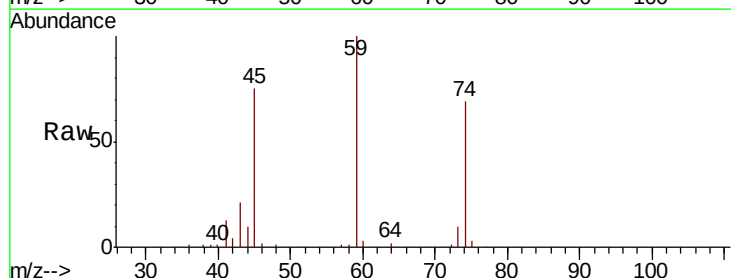
MMDadoda
 9/24/2018 2:14:11 PM

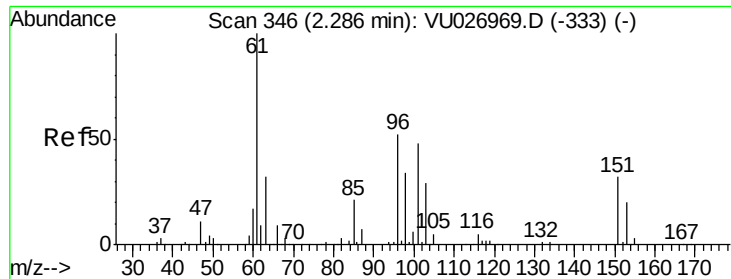


#8

Diethyl Ether
 Concen: 18.765 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.1	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.579 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

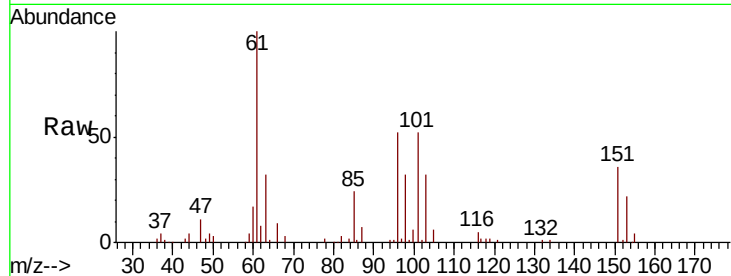
ClientSampleId :

VU0922WBS01

Tot Ion:	101	Resp:	25633
Ion Ratio	Lower	Upper	
101	100		
85	46.3	36.2	54.2
151	70.6	54.5	81.7

Manual Integrations
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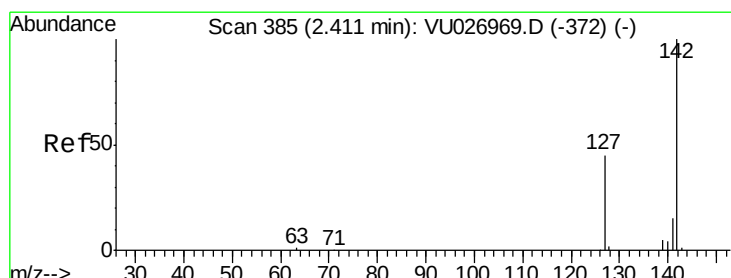
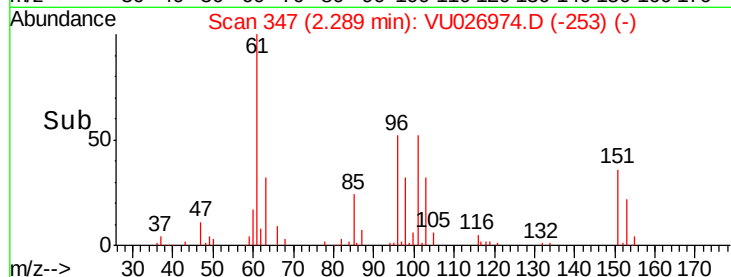
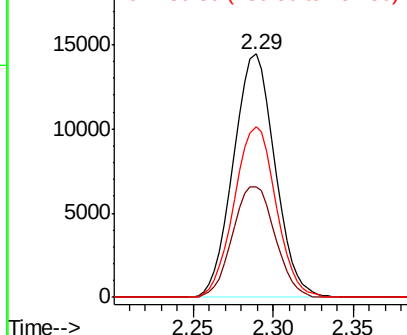


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.404 ug/l

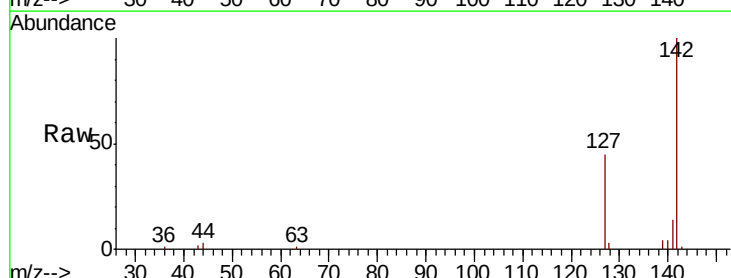
RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Tgt Ion:	142	Resp:	29781
Ion Ratio	Lower	Upper	
142	100		
127	43.8	36.7	55.1
141	14.1	11.8	17.6

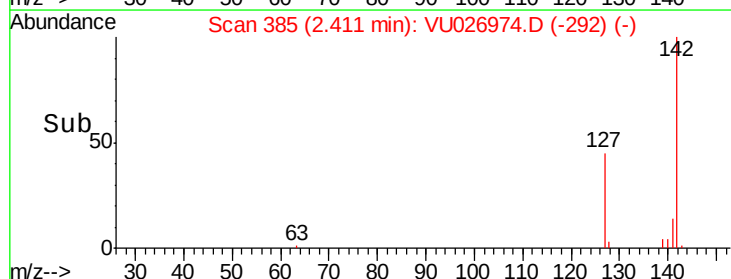
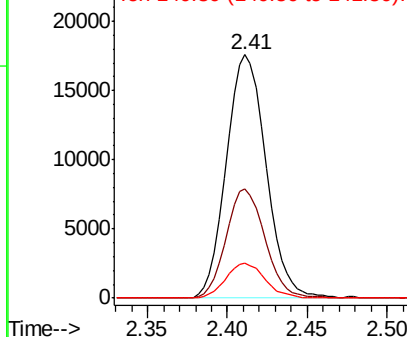


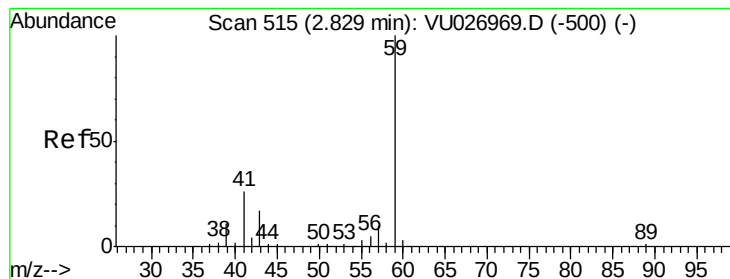
Abundance

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

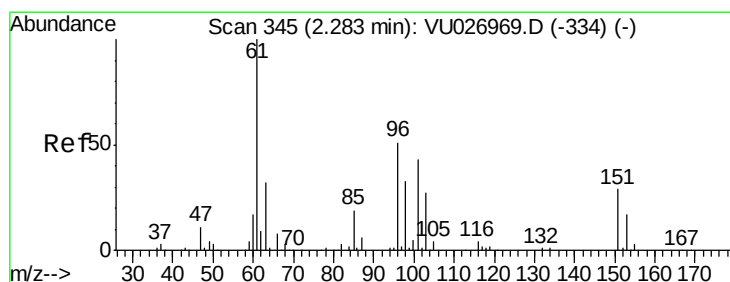
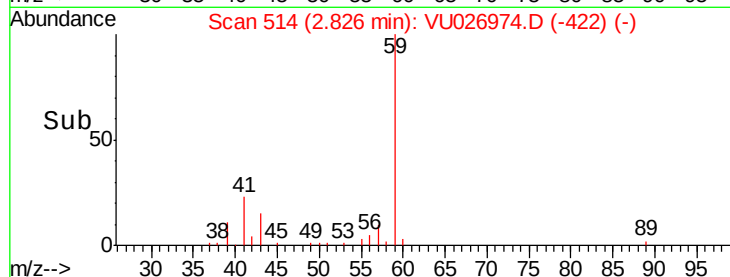
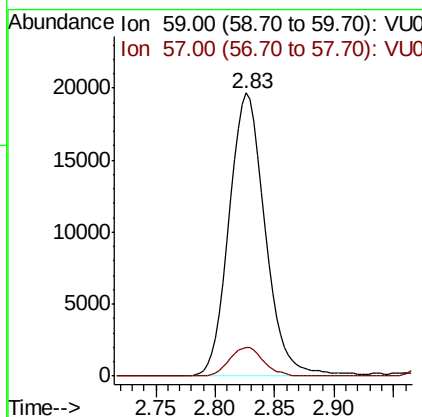
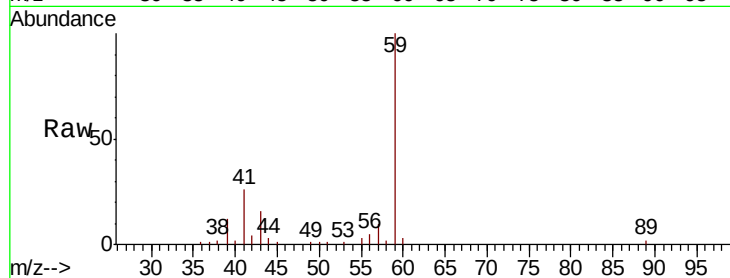
Tert butyl alcohol
 Concen: 95.325 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Tot Ion	59.00	Resp	41347
Ion Ratio	100	Lower	Upper
59	100		
57	9.5	8.5	12.7

Manual Integrations
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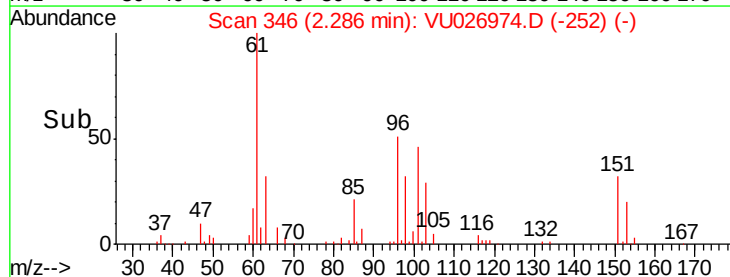
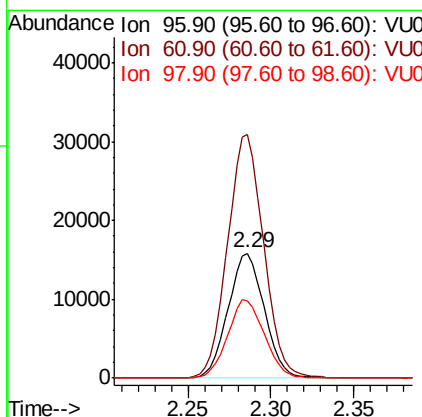
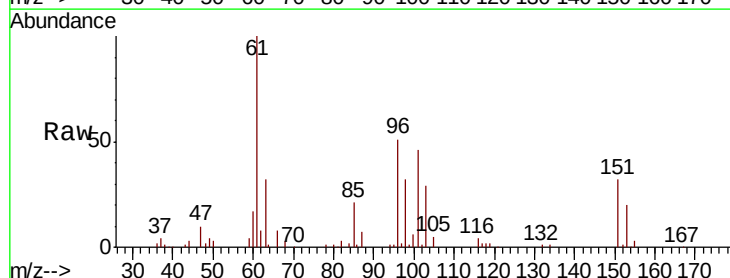
MMDadoda
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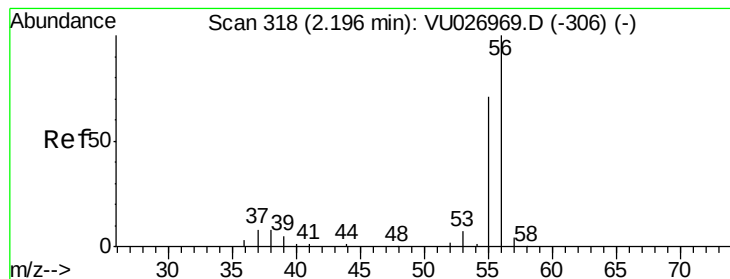


#12

1,1-Dichloroethene
 Concen: 18.593 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion	96	Resp	24145
Ion Ratio	100	Lower	Upper
96	100		
61	194.9	156.1	234.1
98	62.3	51.4	77.0





#13

Acrolein

Concen: 93.008 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

Tot Ion: 56 Resp: 21747

Ion Ratio Lower Upper

56 100

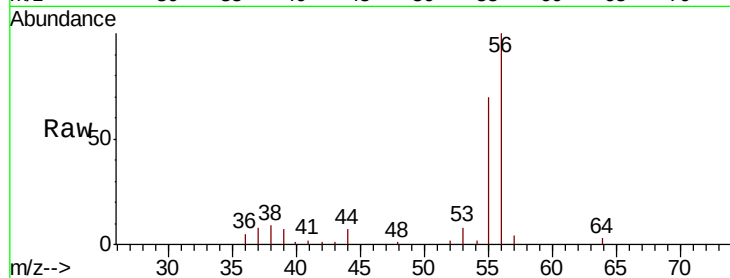
55 70.3 57.1 85.7

Manual Integrations

APPROVED

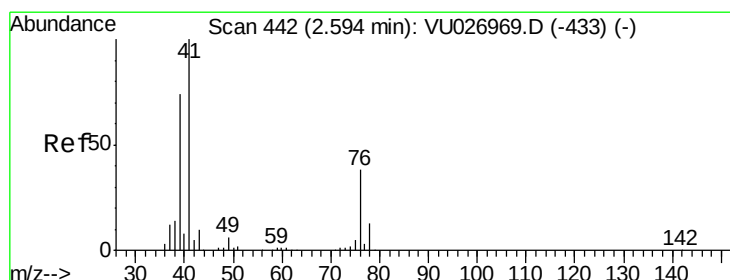
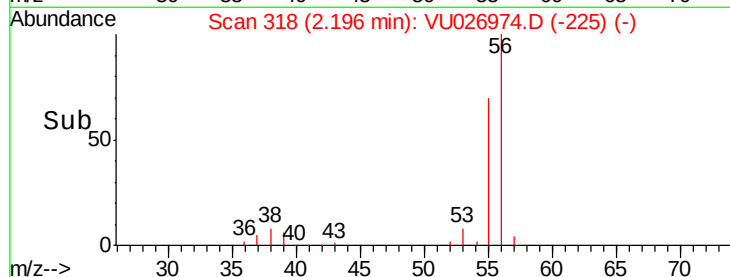
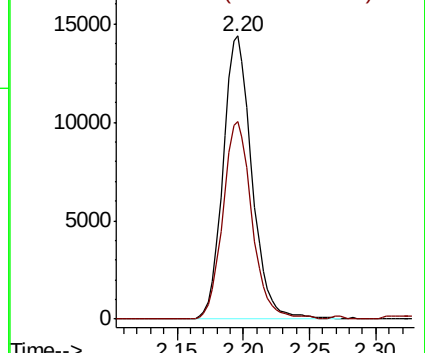
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.247 ug/l

RT: 2.59 min Scan# 442

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

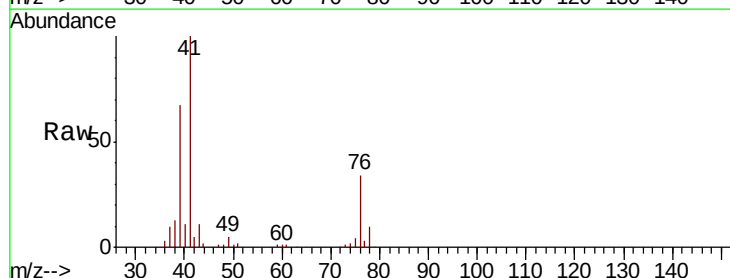
Tgt Ion: 41 Resp: 50694

Ion Ratio Lower Upper

41 100

39 68.0 55.7 83.5

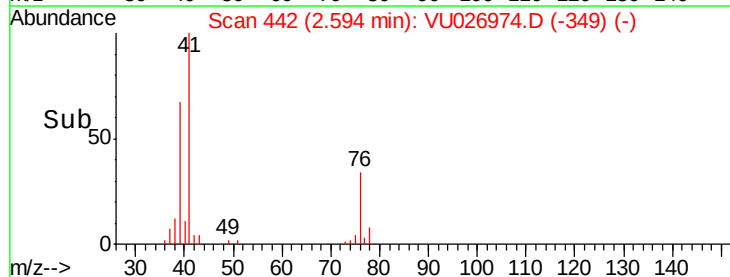
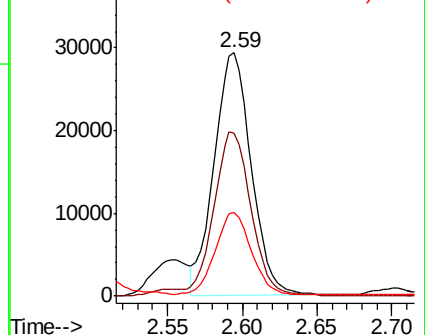
76 32.9 26.5 39.7

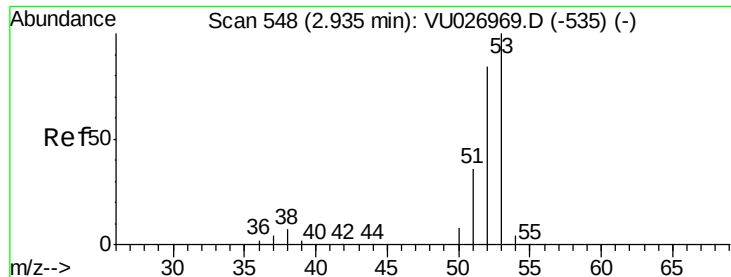


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 92.717 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

Tot Ion: 53 Resp: 101359

Ion Ratio Lower Upper

53 100

52 83.4 65.7 98.5

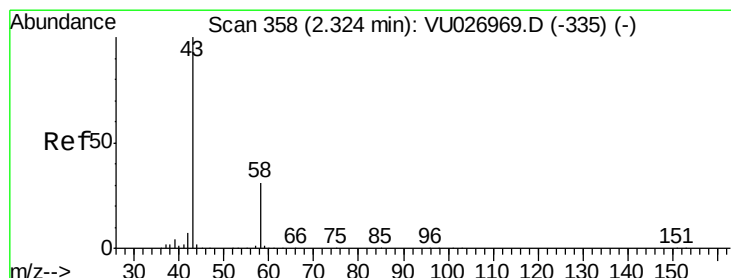
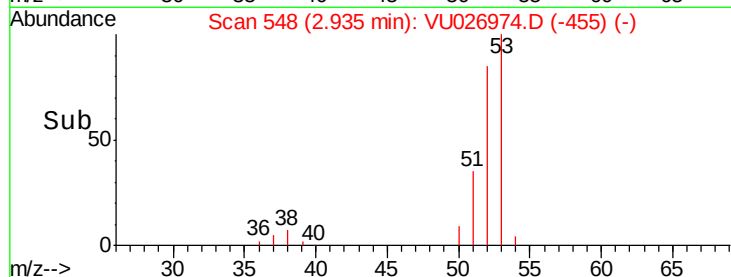
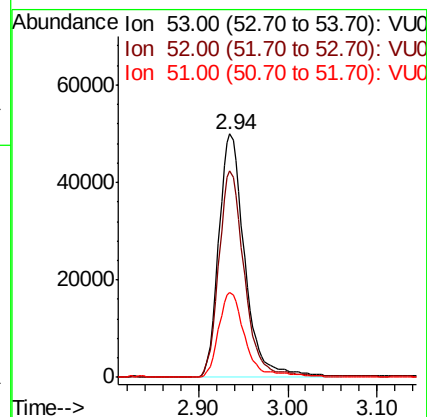
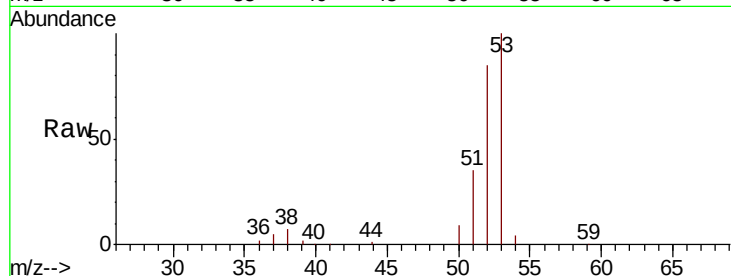
51 35.8 27.4 41.2

Manual Integrations

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#16

Acetone

Concen: 93.982 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026974.D

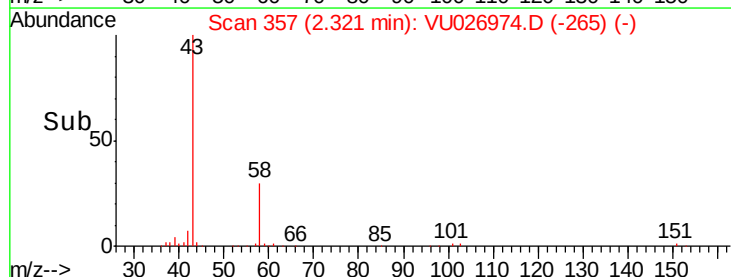
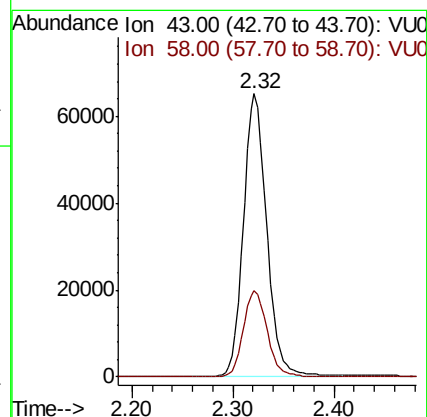
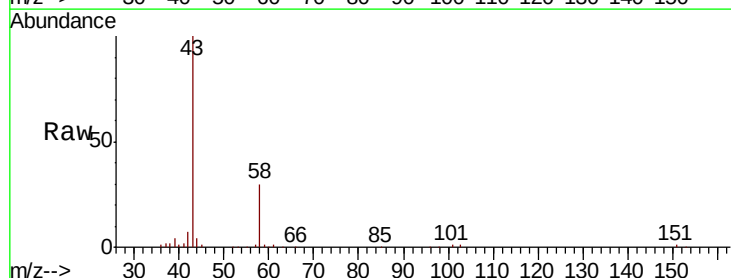
Acq: 21 Sep 2018 18:09

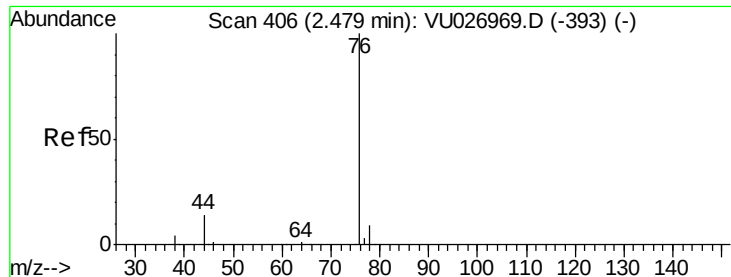
Tgt Ion: 43 Resp: 104880

Ion Ratio Lower Upper

43 100

58 30.3 24.6 36.8





#17

Carbon Disulfide

Concen: 18.333 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampled :

VU0922WBS01

Tot Ion: 76 Resp: 77555

Ion Ratio Lower Upper

76 100

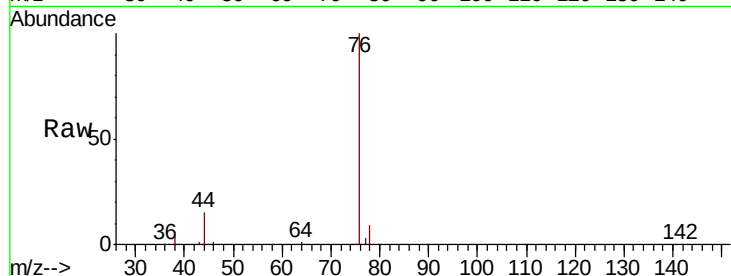
78 8.9 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-393) (-)

Ion 77.90 (77.60 to 78.60): VU026974.D (-313) (-)

2.48

50000

40000

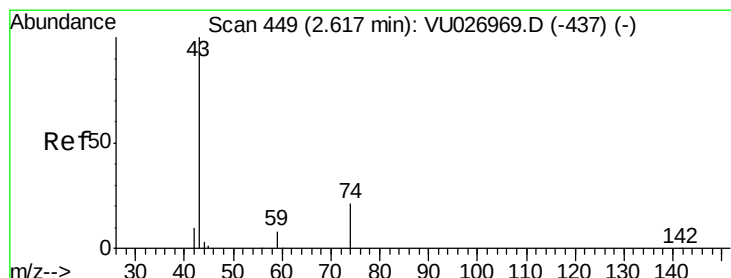
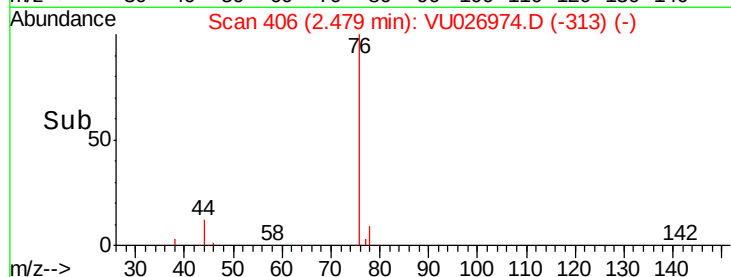
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 18.373 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU026974.D

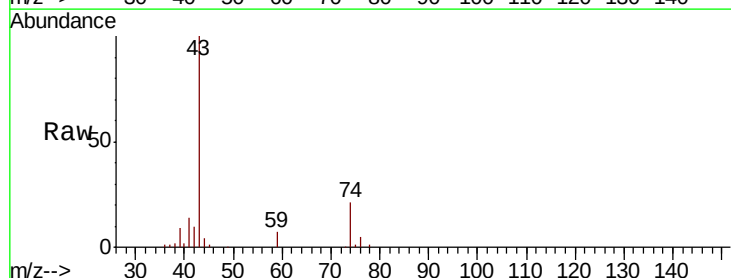
Acq: 21 Sep 2018 18:09

Tgt Ion: 43 Resp: 49488

Ion Ratio Lower Upper

43 100

74 21.9 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-437) (-)

Ion 74.00 (73.70 to 74.70): VU026974.D (-356) (-)

2.62

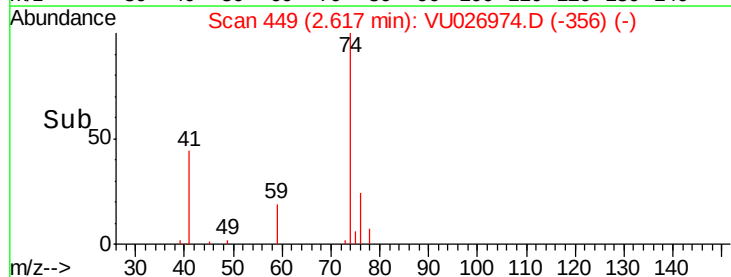
30000

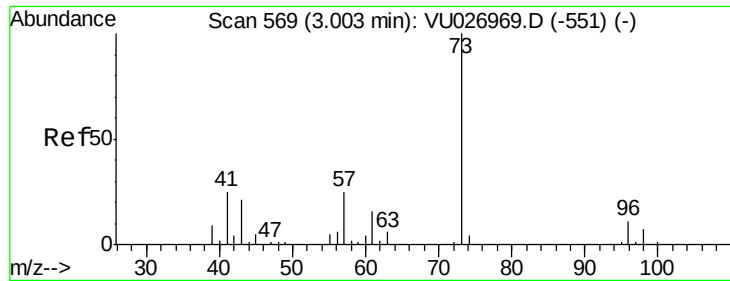
20000

10000

0

Time-->





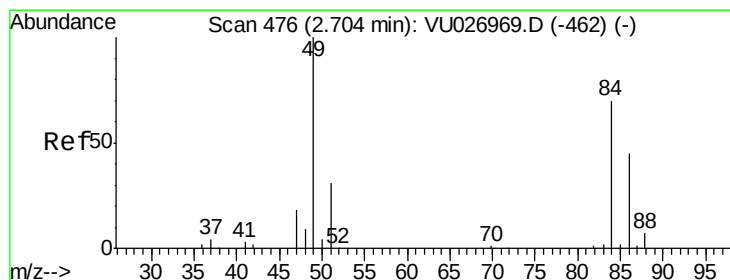
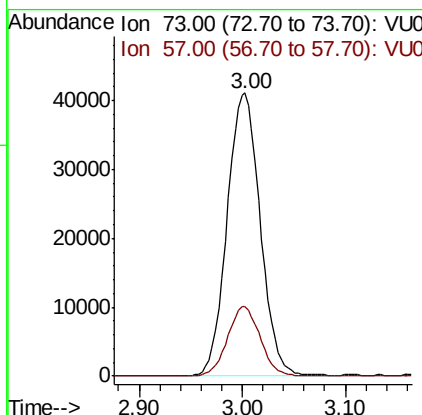
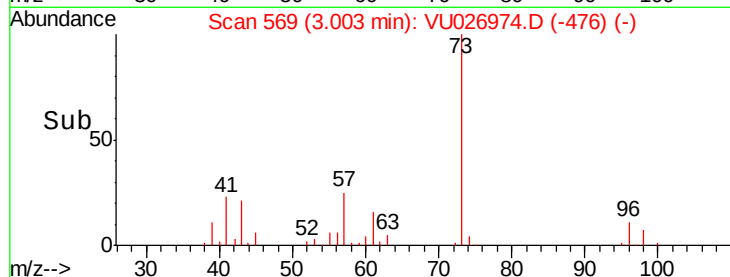
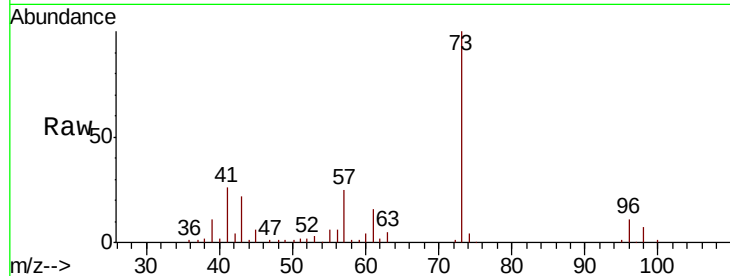
#19
Methyl tert-butyl Ether
Concen: 19.280 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion: 73 Resp: 92004
Ion Ratio Lower Upper
73 100
57 24.6 19.8 29.6

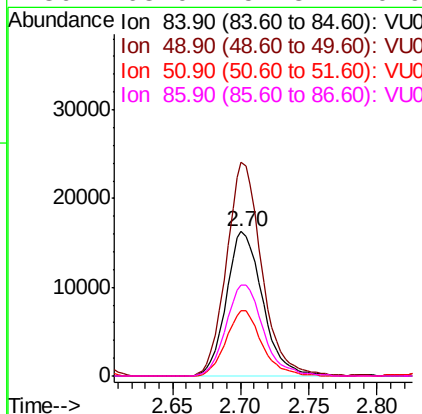
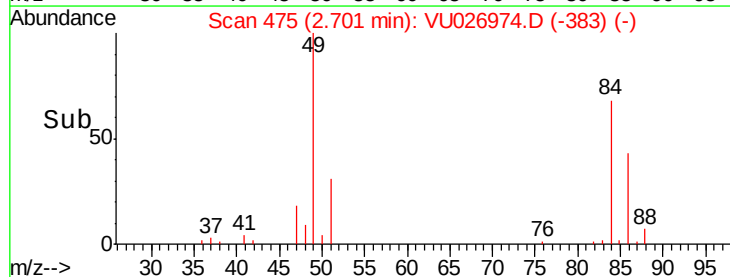
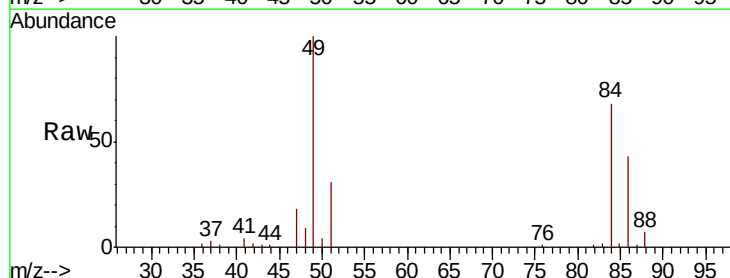
Manual Integrations
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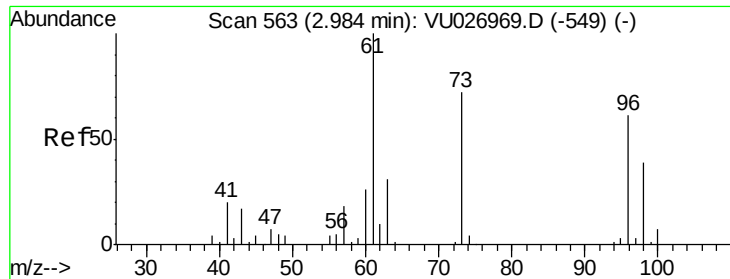
MMDadoda
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#20
Methylene Chloride
Concen: 17.708 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion: 84 Resp: 30011
Ion Ratio Lower Upper
84 100
49 148.0 114.9 172.3
51 45.3 35.8 53.8
86 63.0 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.094 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

Tot Ion: 96 Resp: 26473

Ion Ratio Lower Upper

96 100

61 161.1 131.8 197.6

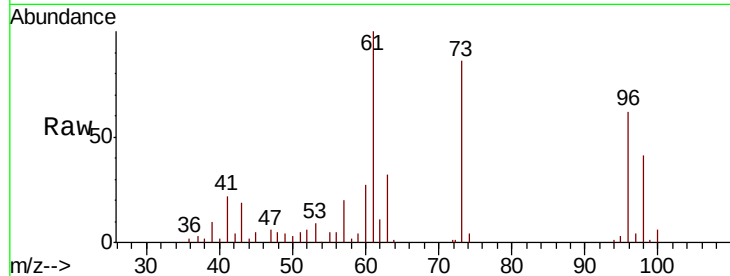
98 66.1 50.9 76.3

Manual Integrations

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MMDadoda

9/24/2018 2:14:11 PM

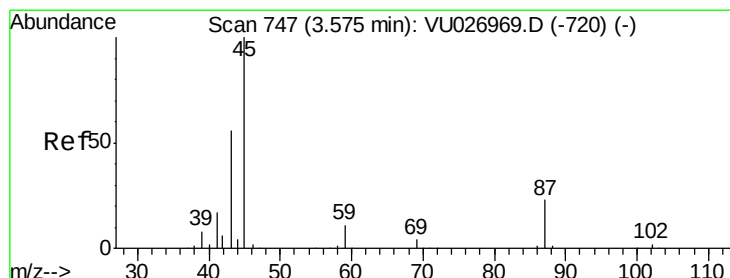
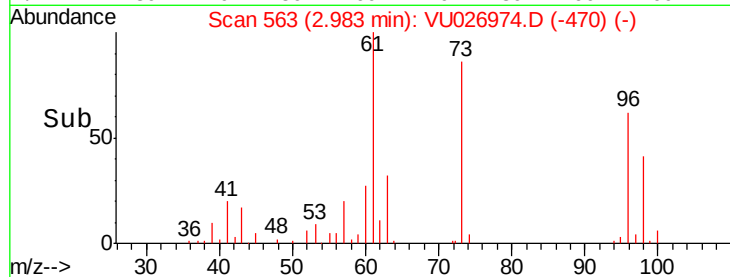
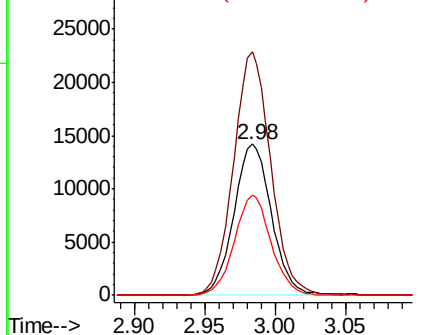


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 19.744 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Tgt Ion: 45 Resp: 111229

Ion Ratio Lower Upper

45 100

43 58.3 45.8 68.6

87 22.4 18.6 28.0

59 11.6 9.0 13.4

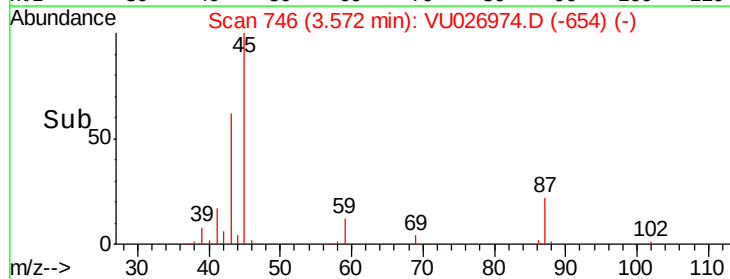
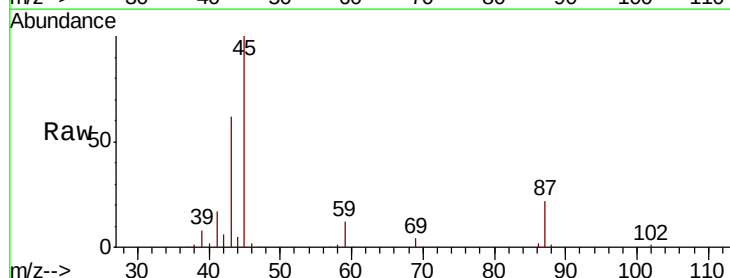
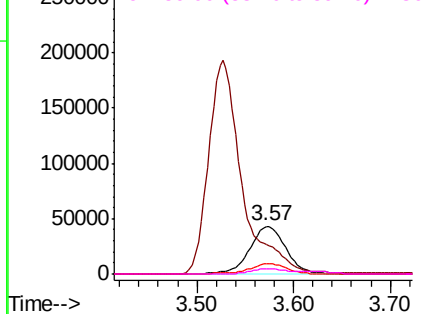
Abundance

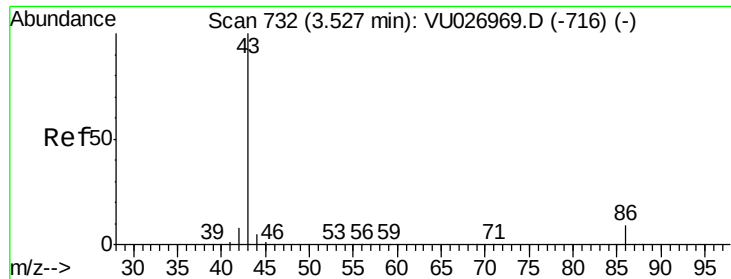
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 97.331 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Tot Ion: 43 Resp: 467407

Ion Ratio Lower Upper

43 100

86 8.7 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

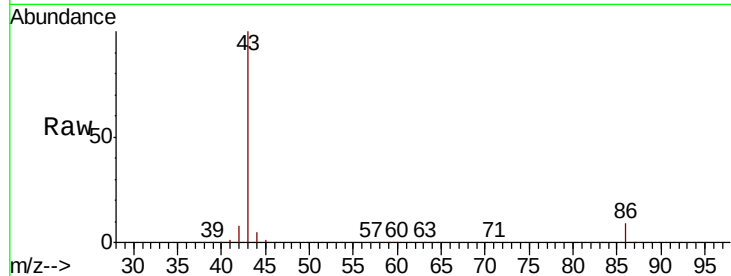
VU0922WBS01

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

200000

150000

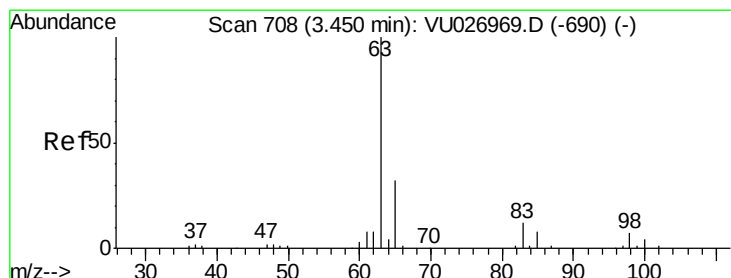
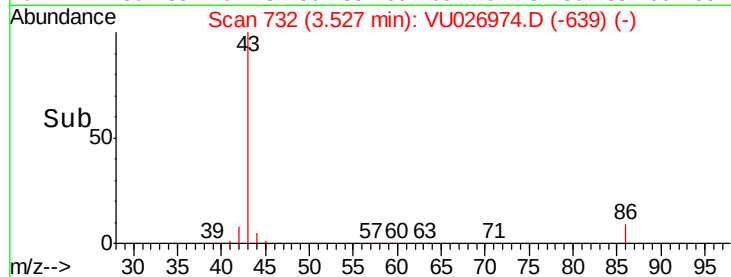
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 18.911 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

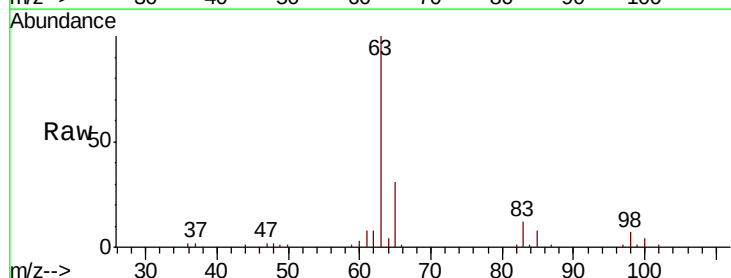
Tgt Ion: 63 Resp: 58677

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

30000

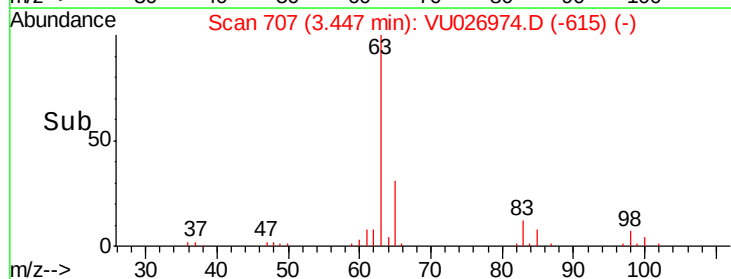
20000

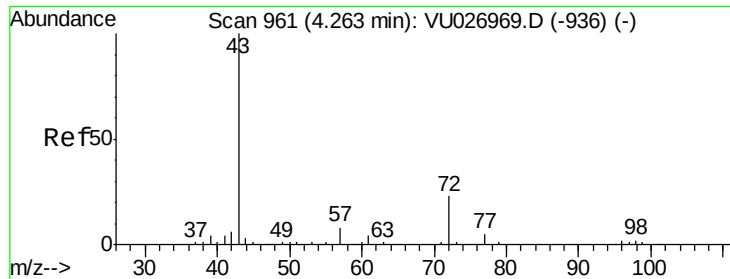
10000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 92.093 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

Tot Ion: 43 Resp: 146459

Ion Ratio Lower Upper

43 100

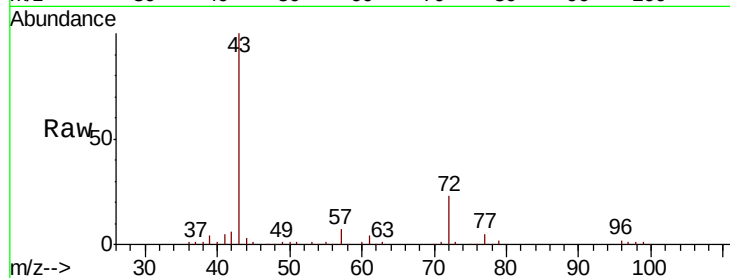
72 23.4 18.4 27.6

Manual Integrations

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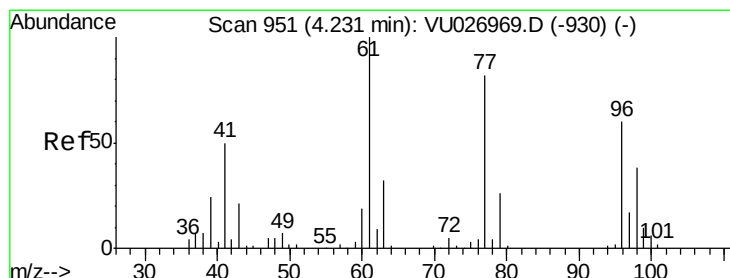
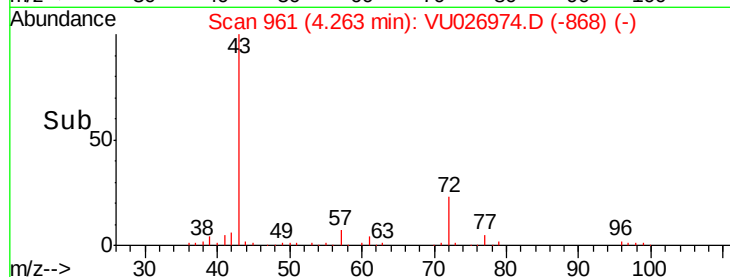
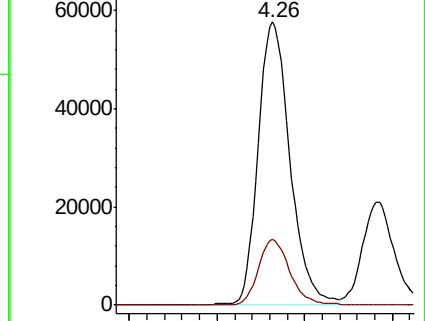
MMDadoda

9/24/2018 2:14:11 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 19.218 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026974.D

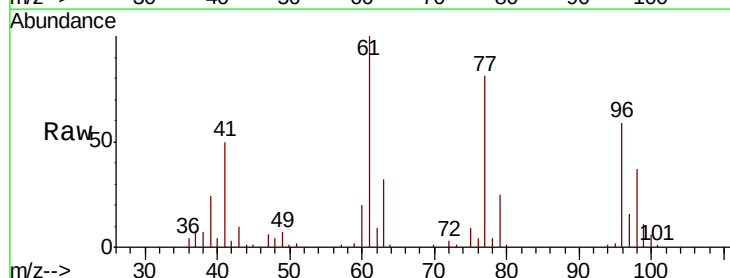
Acq: 21 Sep 2018 18:09

Tgt Ion: 77 Resp: 46504

Ion Ratio Lower Upper

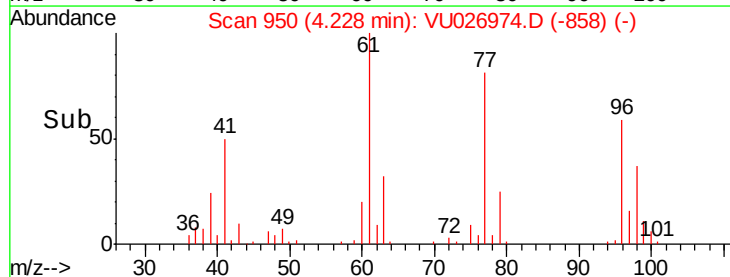
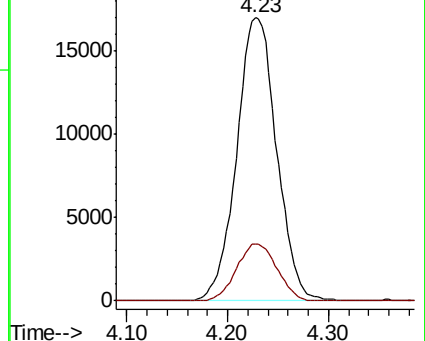
77 100

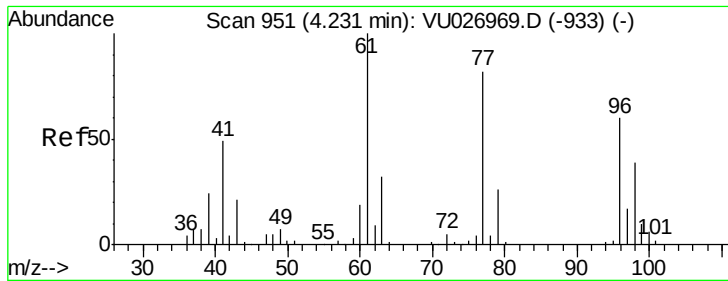
97 20.3 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

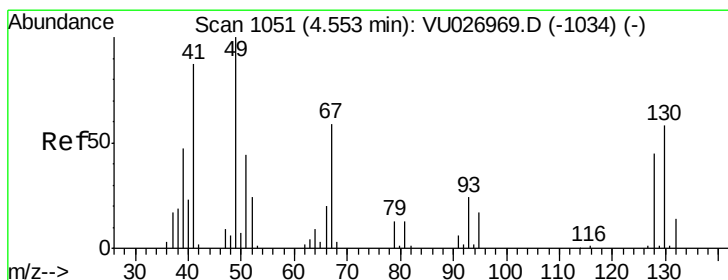
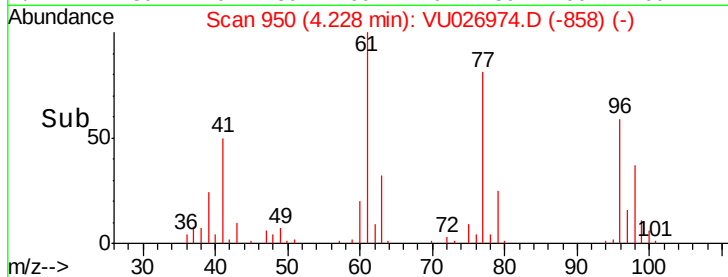
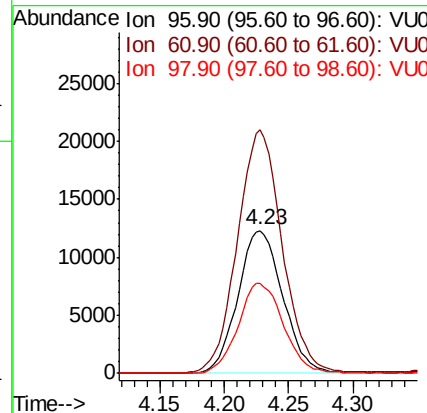
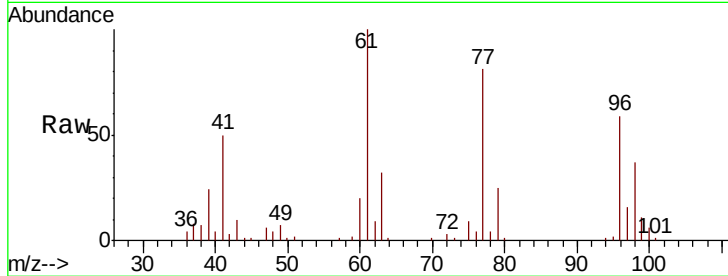
cis-1,2-Dichloroethene
Concen: 18.986 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.2	0.0	337.2
98	63.4	0.0	127.6

Manual Integrations
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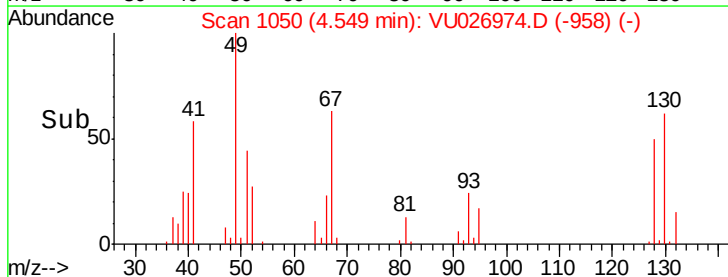
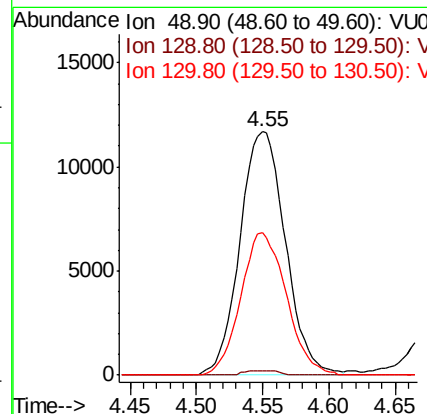
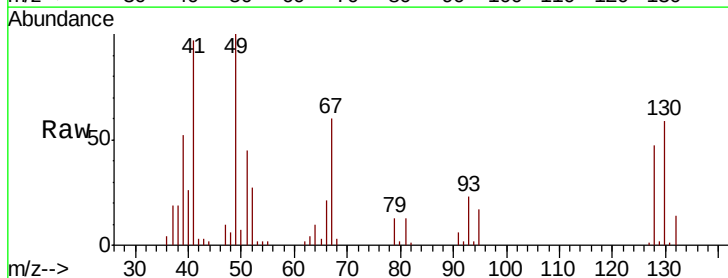
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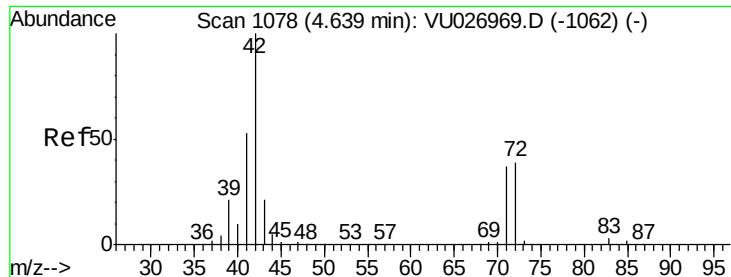


#28

Bromochloromethane
Concen: 18.669 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.0
130	58.5	47.8	71.8





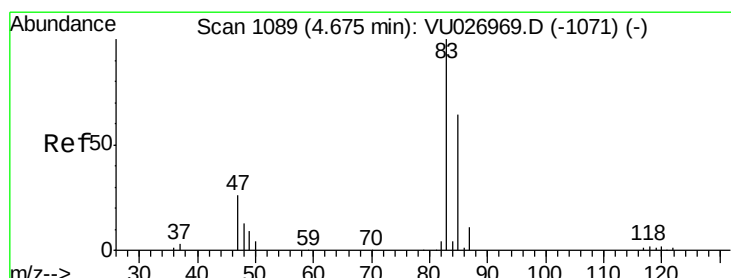
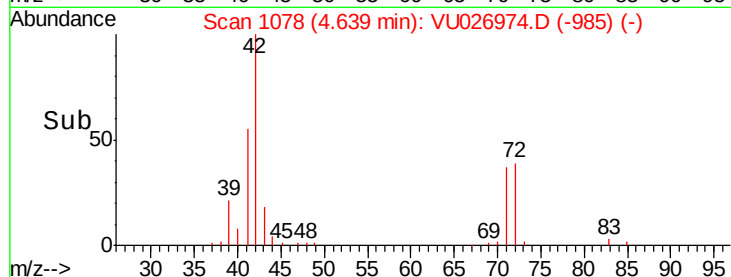
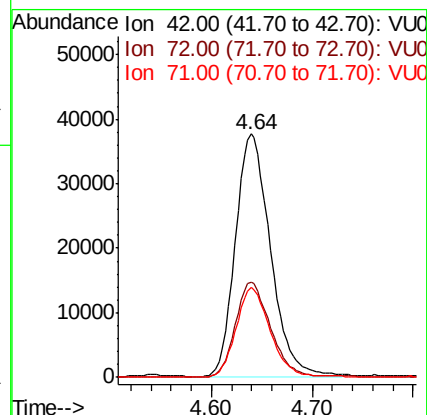
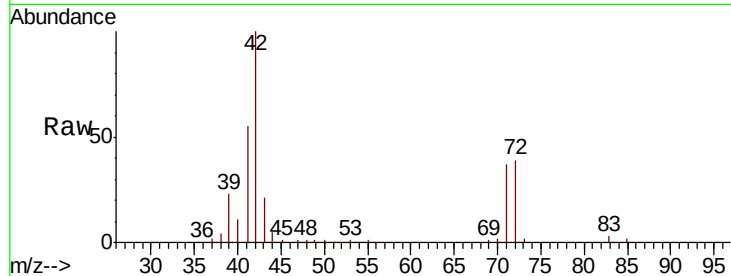
#29
Tetrahydrofuran
Concen: 94.461 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.7	47.5
71	36.0	29.6	44.4

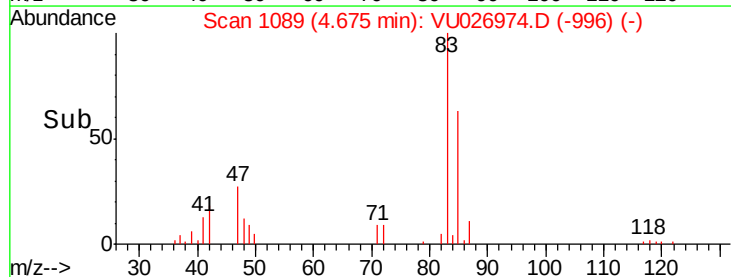
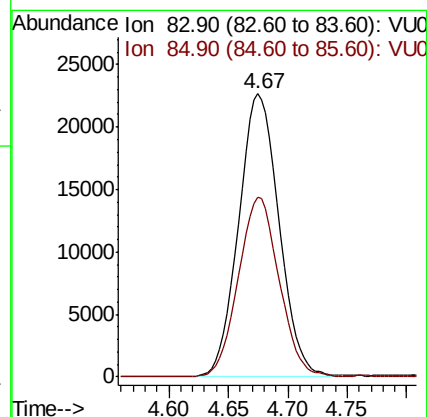
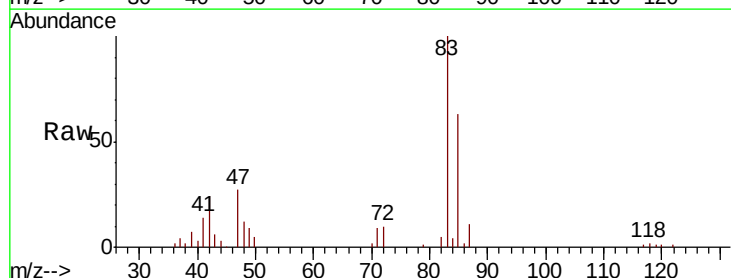
Manual Integrations
APPROVED

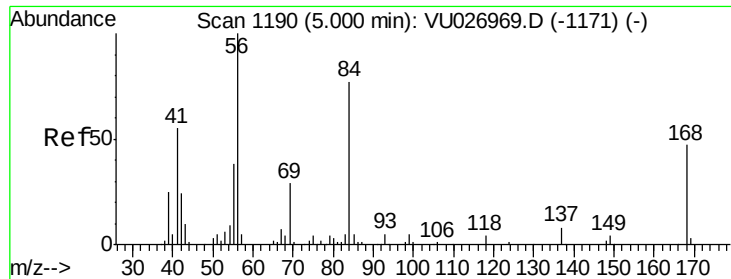
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#30
Chloroform
Concen: 18.531 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.5	77.3





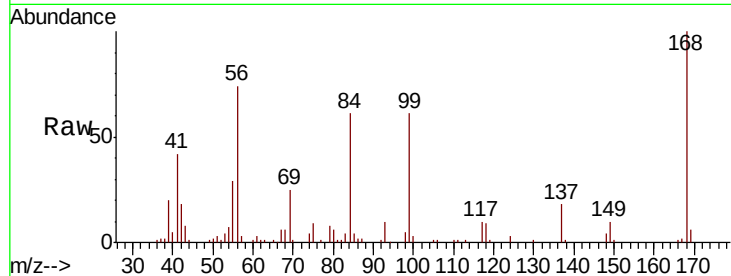
#31
Cyclohexane
Concen: 19.173 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	23.0	34.4#
84	82.2	61.4	92.2

Manual Integrations
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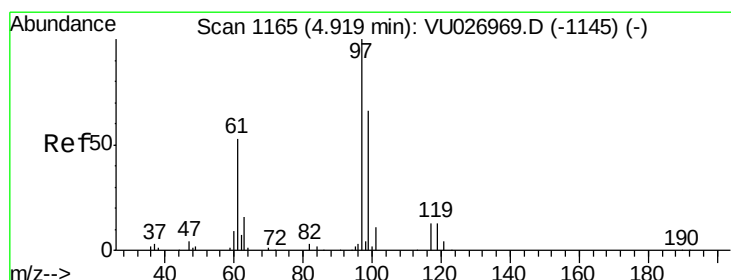
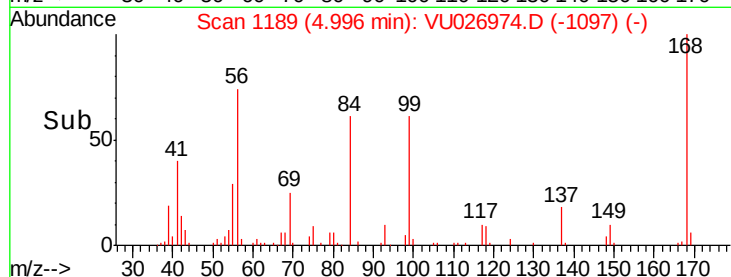
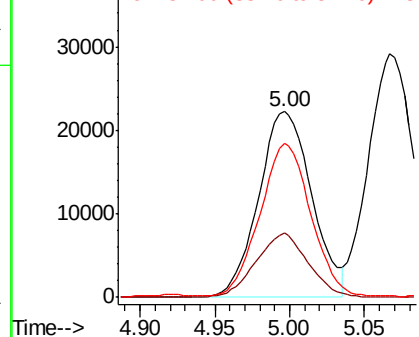


Abundance

Ion 56.00 (55.70 to 56.70): VU0

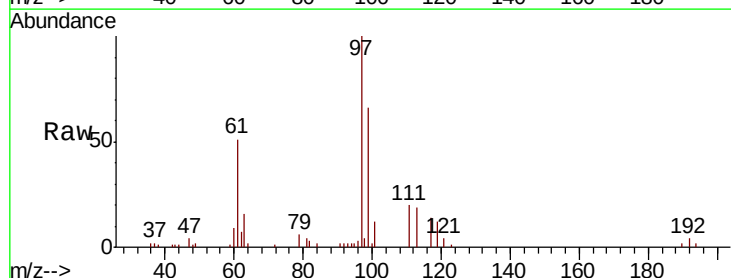
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32
1,1,1-Trichloroethane
Concen: 19.064 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.8	77.6
61	49.0	41.1	61.7

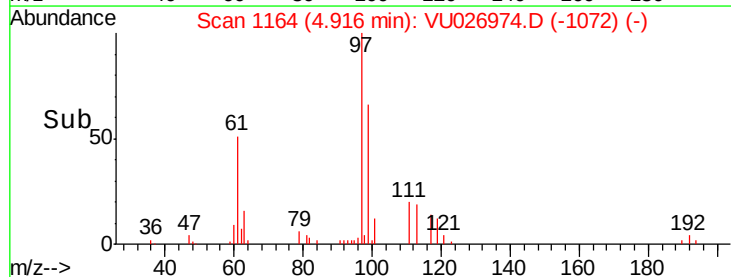
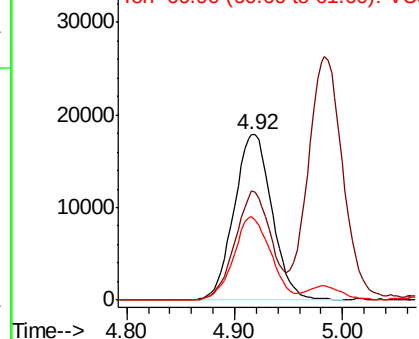


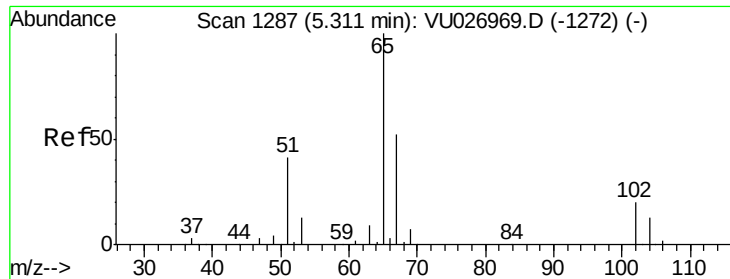
Abundance

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





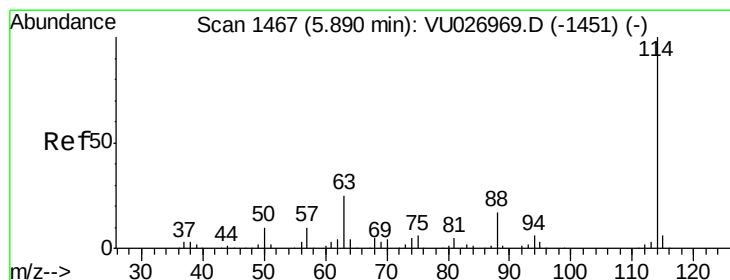
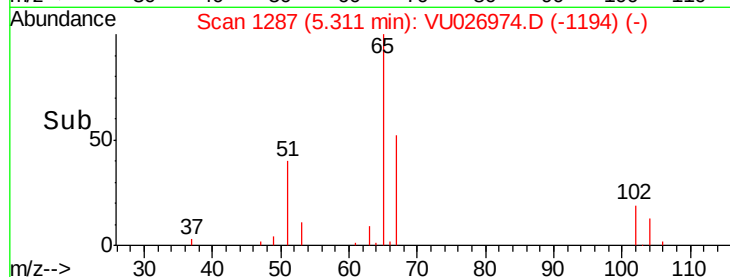
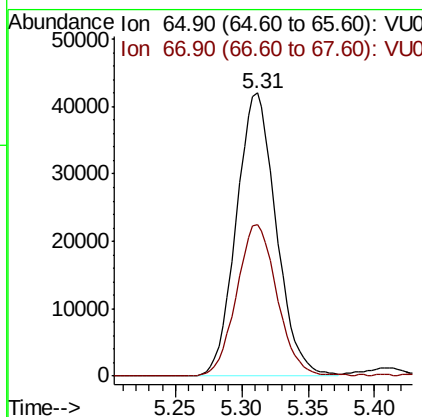
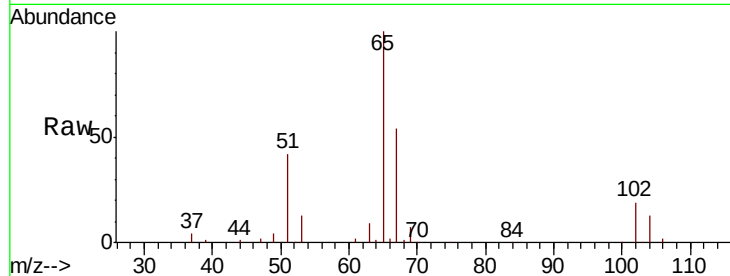
#33
 1,2-Dichloroethane-d4
 Concen: 46.449 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	105.6

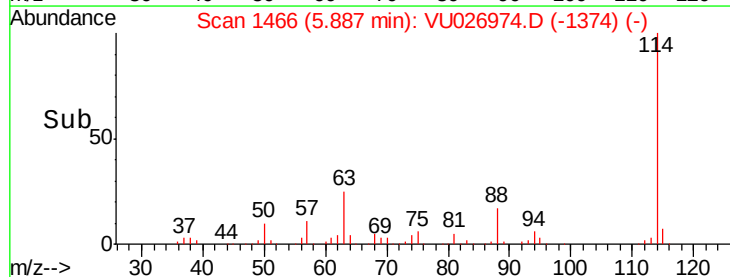
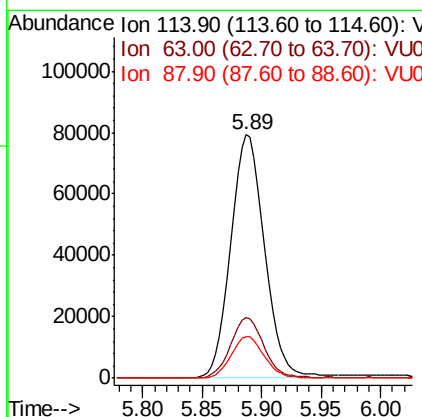
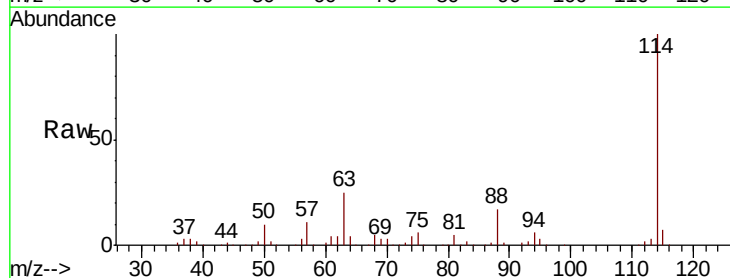
Manual Integrations
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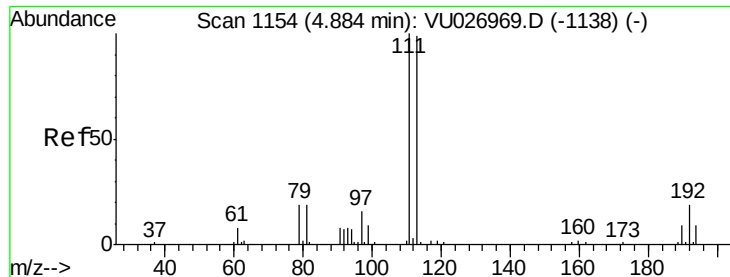
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	49.2
88	17.2	0.0	33.8





#35

Dibromofluoromethane

Concen: 47.183 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

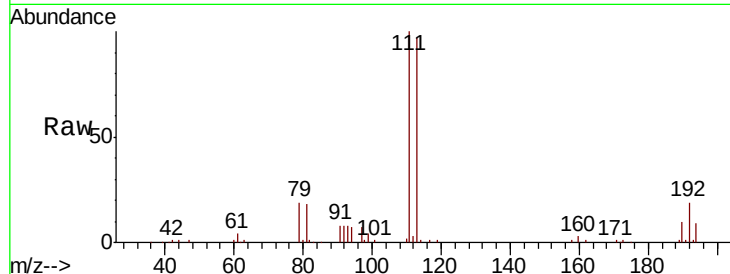
ClientSampleId :

VU0922WBS01

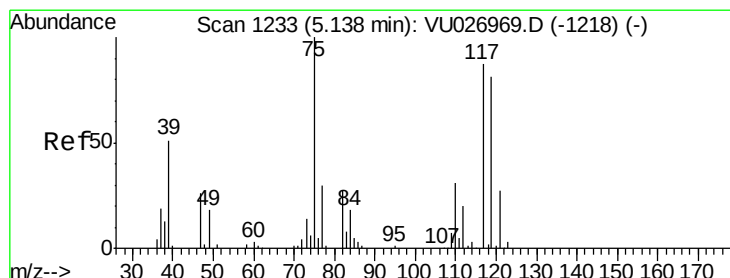
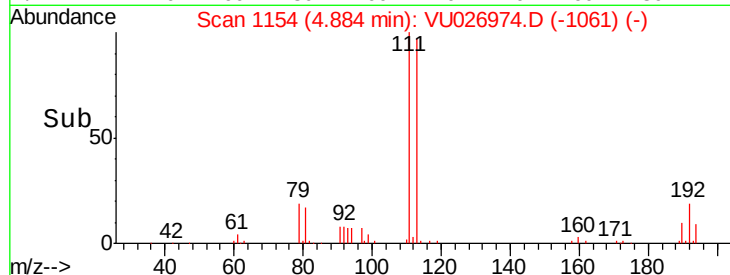
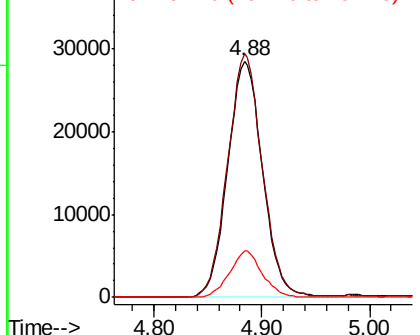
Tot Ion:	113	Resp:	64368
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	18.3	15.2	22.8

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



#36

1,1-Dichloropropene

Concen: 18.929 ug/l

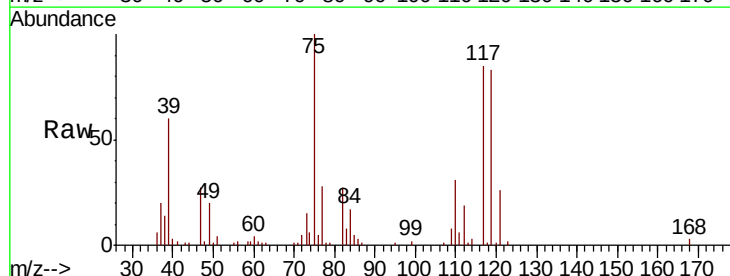
RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

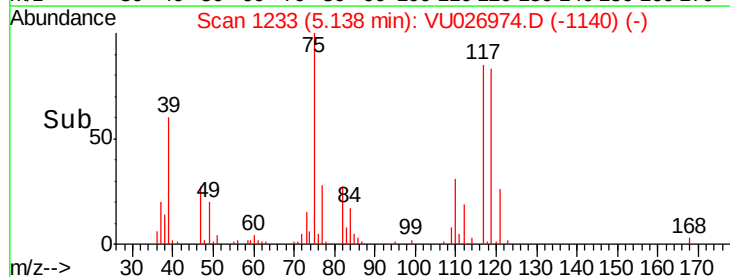
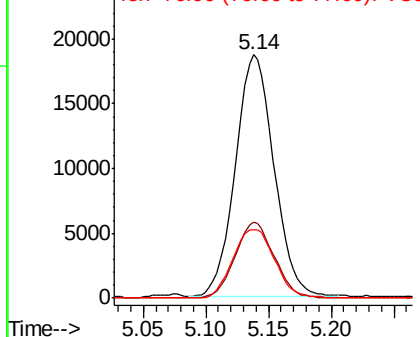
Lab File: VU026974.D

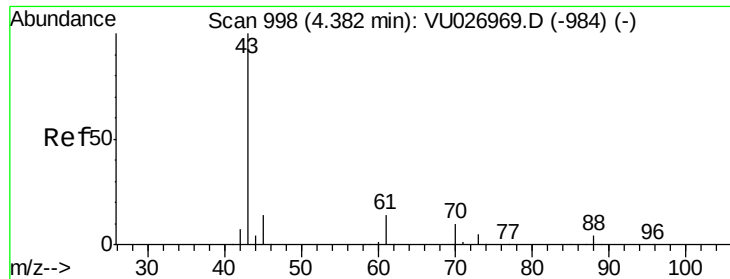
Acq: 21 Sep 2018 18:09

Tgt Ion:	75	Resp:	39760
Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.1	48.2
77	30.9	24.6	36.8



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





#37

Ethyl Acetate

Concen: 17.629 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

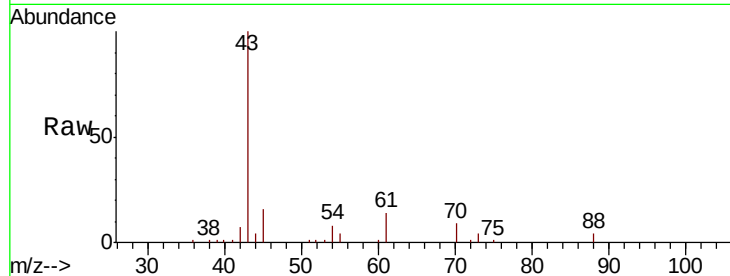
ClientSampleId :

VU0922WBS01

Tot Ion:	43	Resp:	50130
Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.5	15.7
70	9.3	7.4	11.0

Manual Integrations
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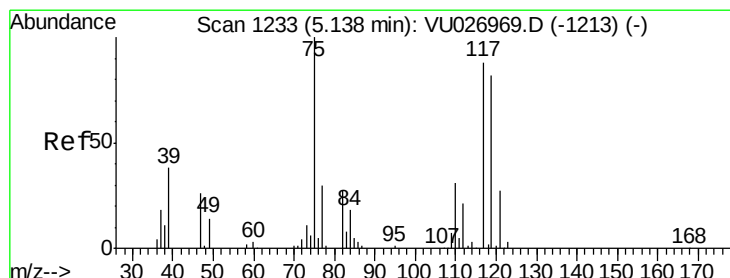
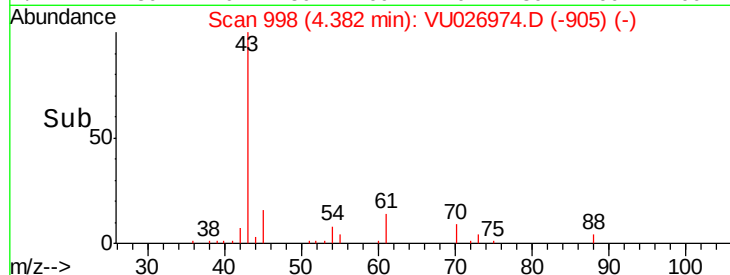
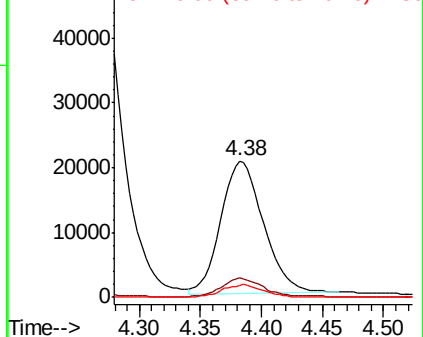


Abundance

Ion 43.00 (42.70 to 43.70): VU026974.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU026974.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU026974.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 18.379 ug/l

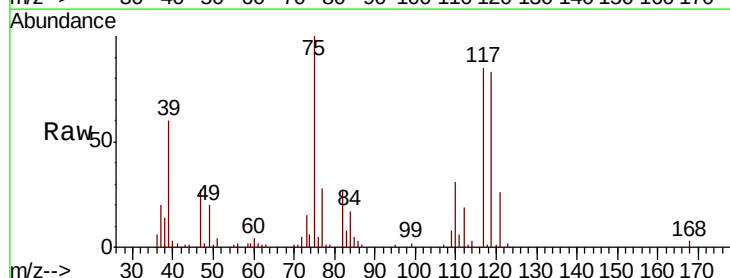
RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Tgt Ion:	117	Resp:	36739
Ion	Ratio	Lower	Upper
117	100		
119	98.3	74.4	111.6
121	31.2	24.2	36.4

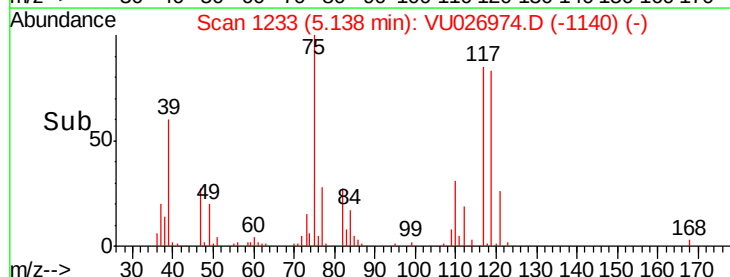
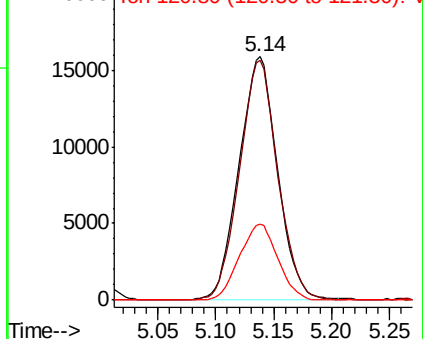


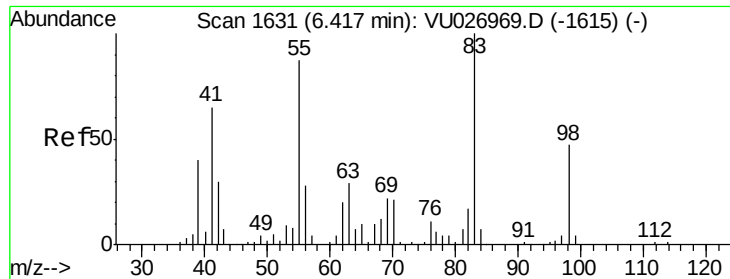
Abundance

Ion 116.80 (116.50 to 117.50): VU026974.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU026974.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU026974.D (-1140) (-)





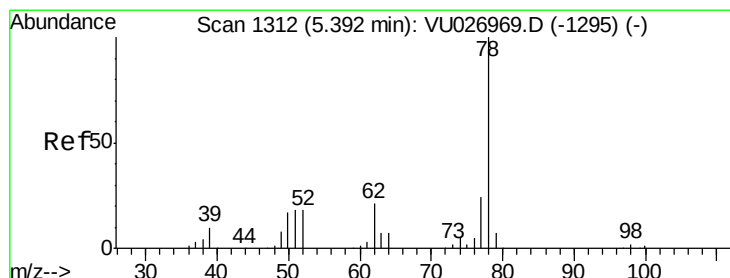
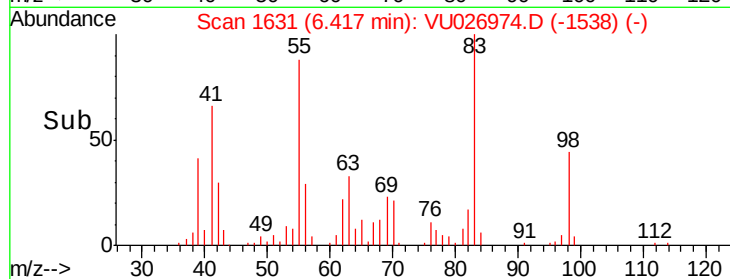
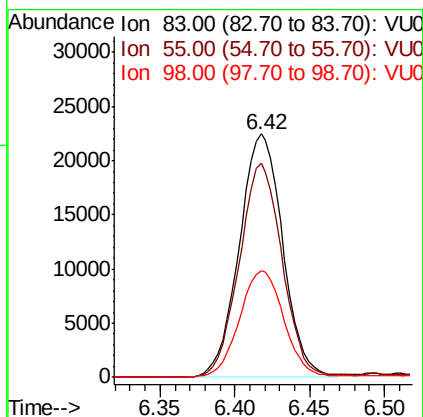
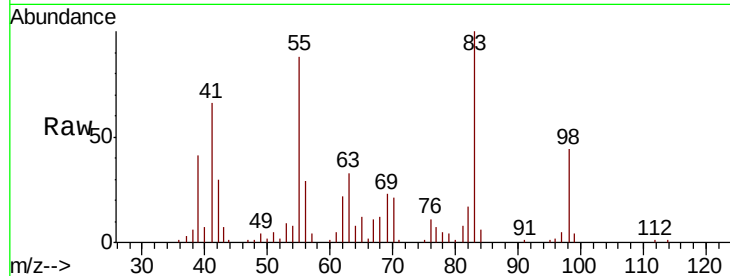
#39
Methylvlcyclohexane
Concen: 19.893 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.8	69.9	104.9
98	43.9	37.5	56.3

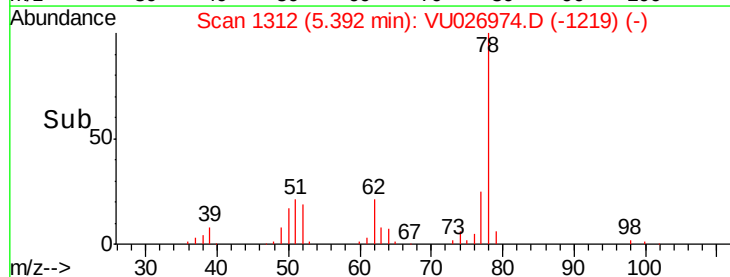
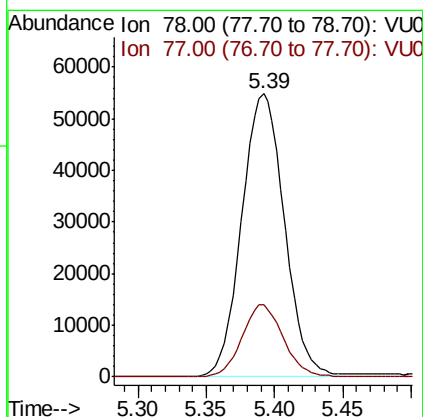
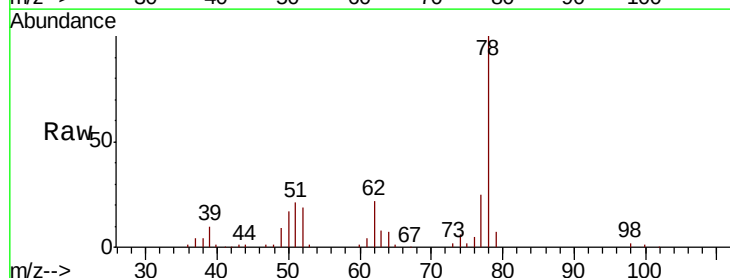
Manual Integrations
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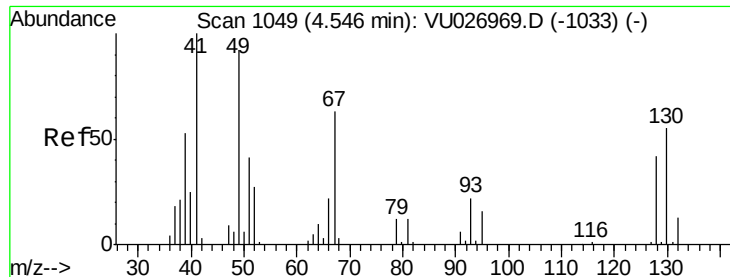
MMDadoda
9/24/2018 2:14:11 PM



#40
Benzene
Concen: 18.643 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.4	29.0





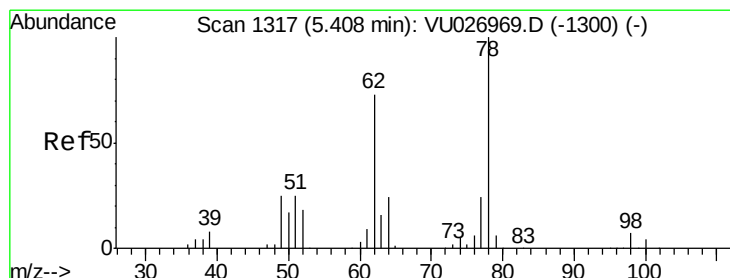
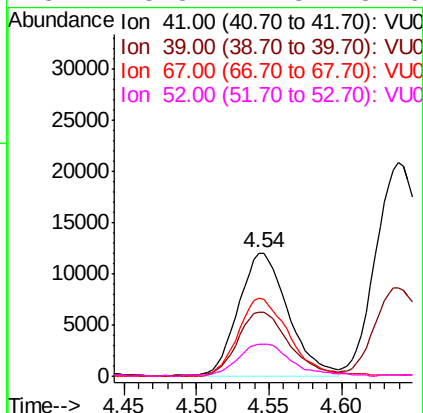
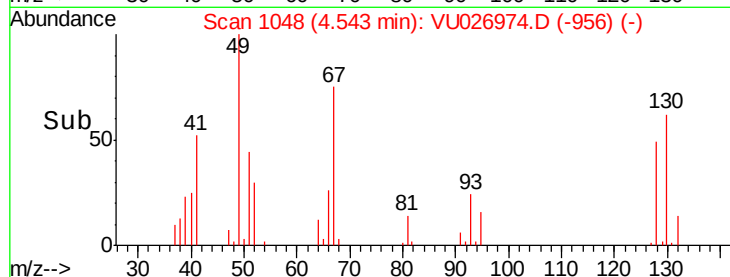
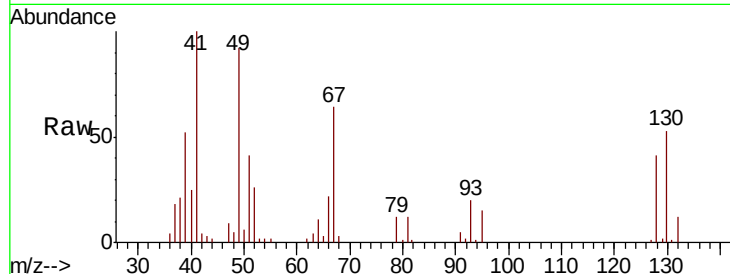
#41
Methacrylonitrile
Concen: 19.459 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	42.9	64.3	
67	65.1	52.4	78.6	
52	28.3	21.3	31.9	

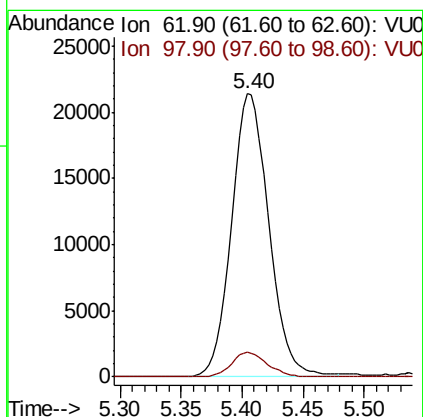
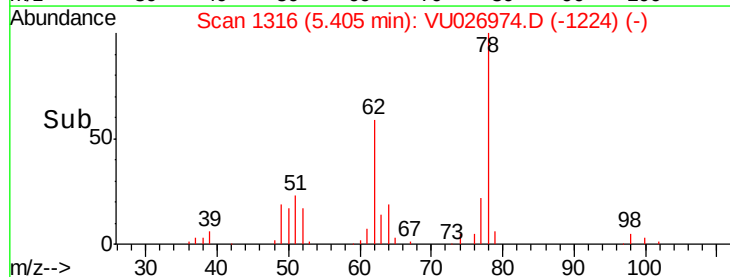
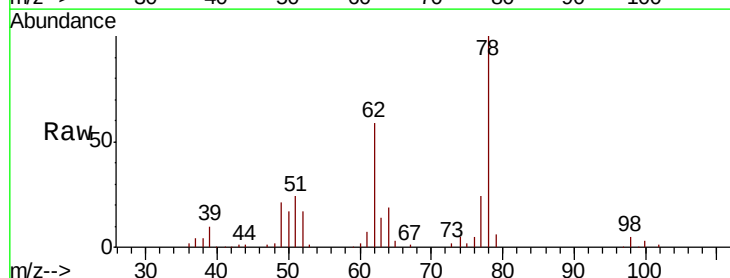
Manual Integrations
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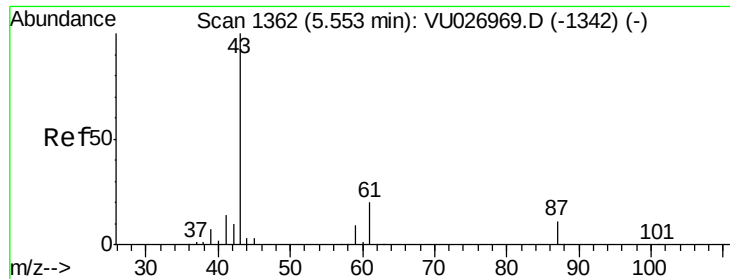
MMDadoda
9/24/2018 2:14:11 PM



#42
1,2-Dichloroethane
Concen: 18.819 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.0	





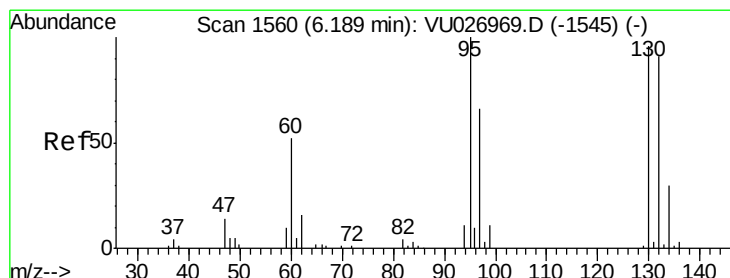
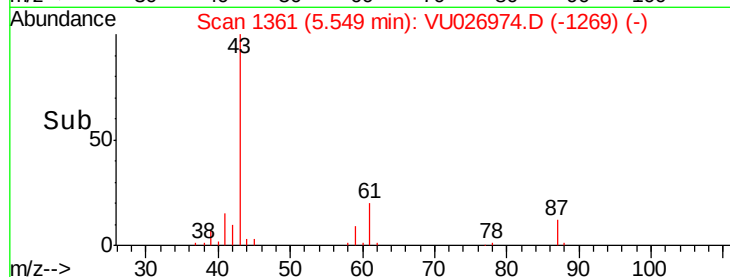
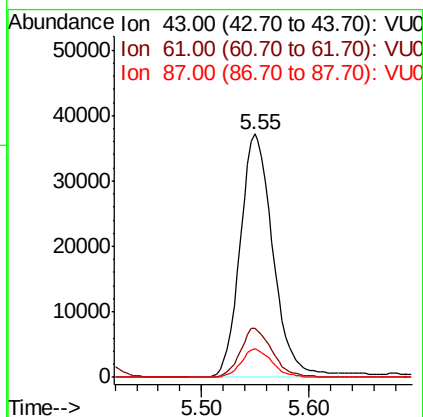
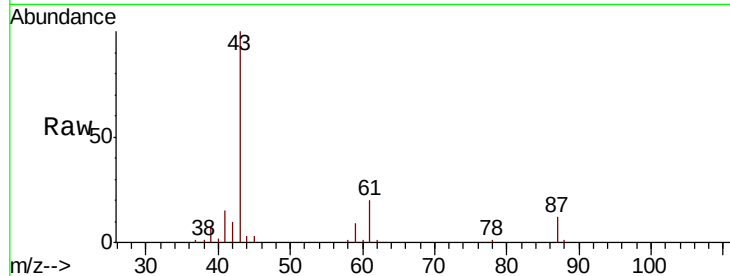
#43
Isopropyl Acetate
Concen: 19.044 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.7	23.5
87	10.9	9.0	13.4

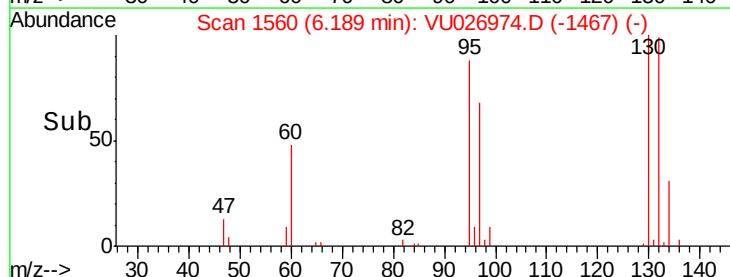
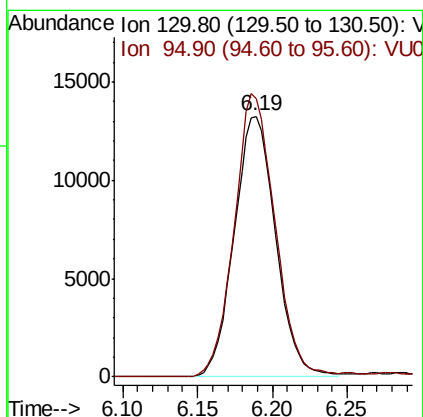
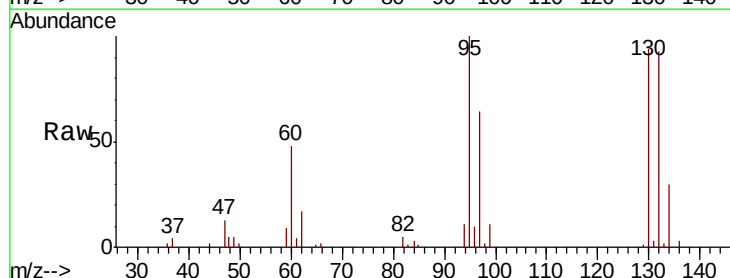
Manual Integrations
APPROVED

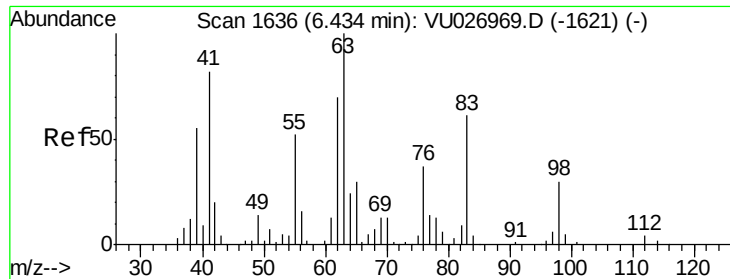
MMDadoda
9/24/2018 2:14:11 PM



#44
Trichloroethene
Concen: 18.813 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	208.8





#45

1,2-Dichloropropane

Concen: 19.378 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

Tot Ion: 63 Resp: 35257

Ion Ratio Lower Upper

63 100

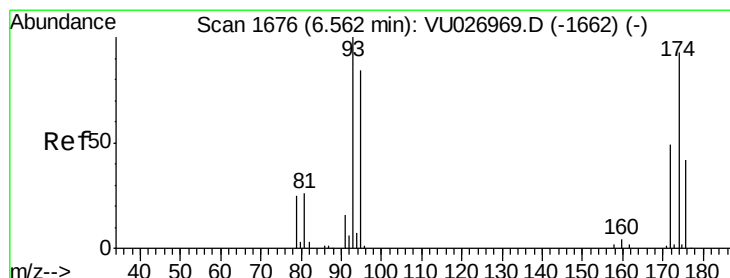
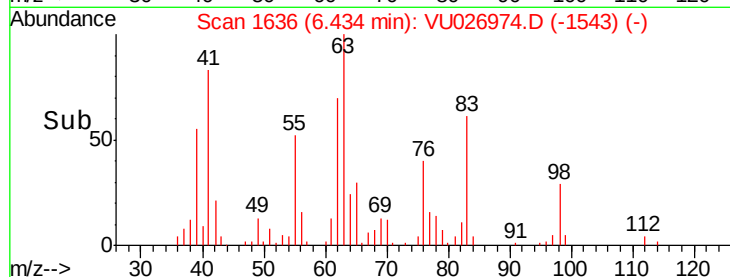
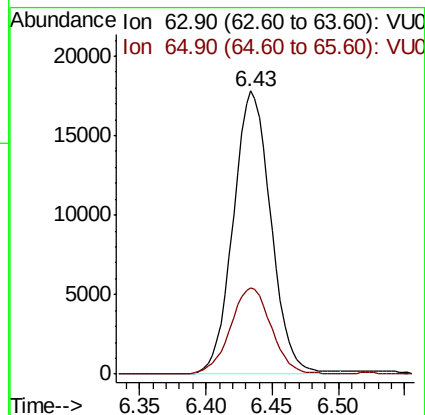
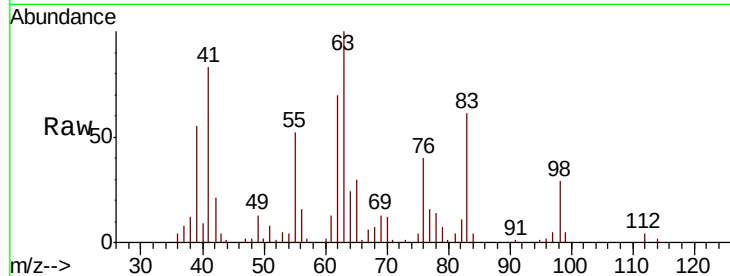
65 30.4 24.3 36.5

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 18.904 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

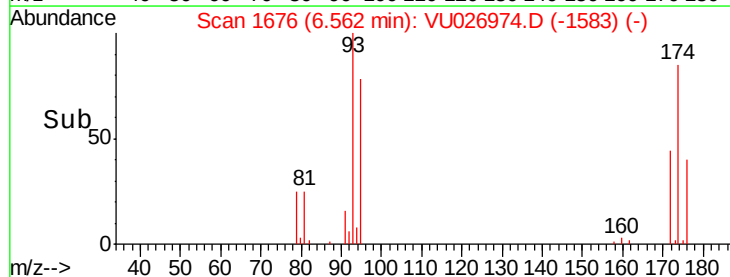
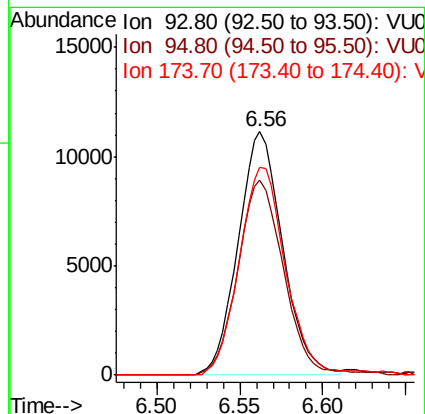
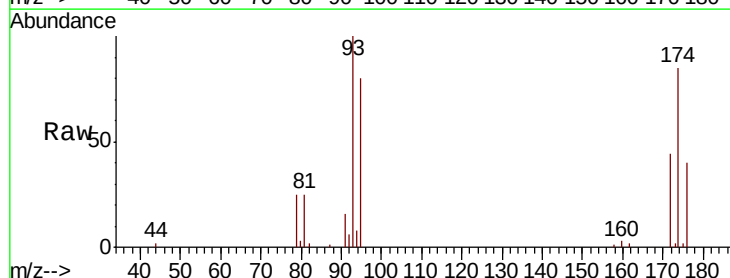
Tgt Ion: 93 Resp: 20773

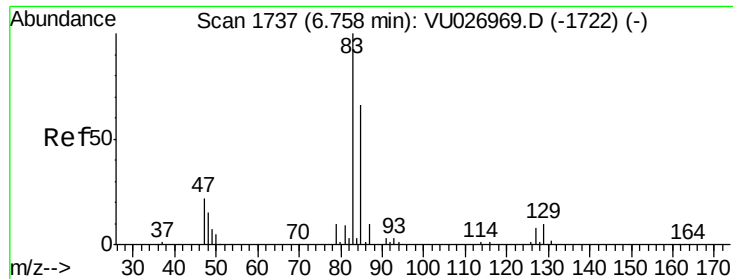
Ion Ratio Lower Upper

93 100

95 82.6 66.2 99.4

174 88.2 71.7 107.5





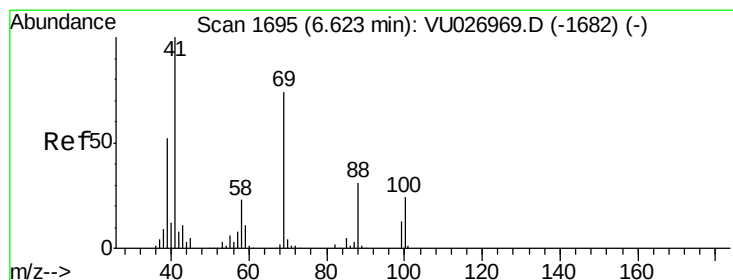
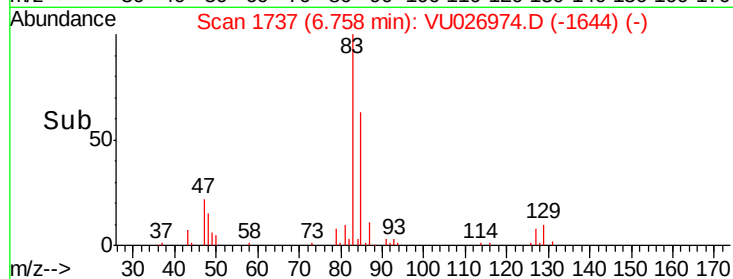
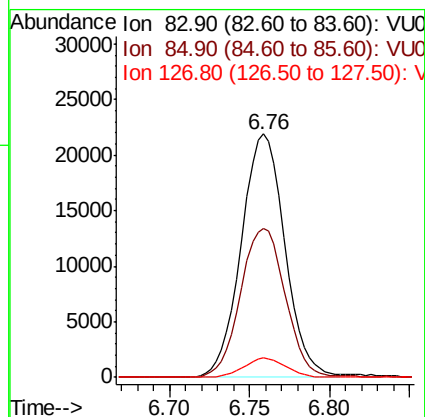
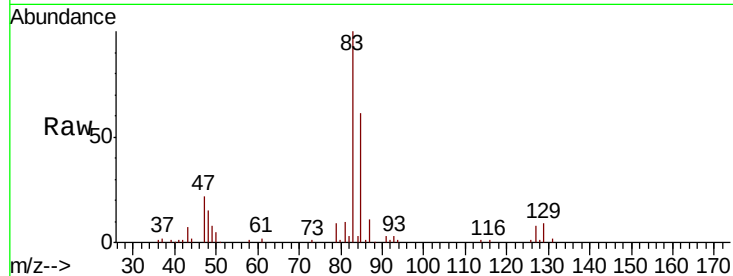
#47
Bromodichloromethane
Concen: 18.416 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion	83	Resp	40920
Ion Ratio	100	Lower	Upper
83	100		
85	61.3	52.5	78.7
127	8.1	6.3	9.5

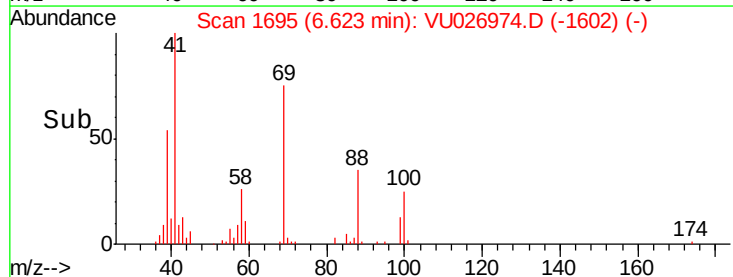
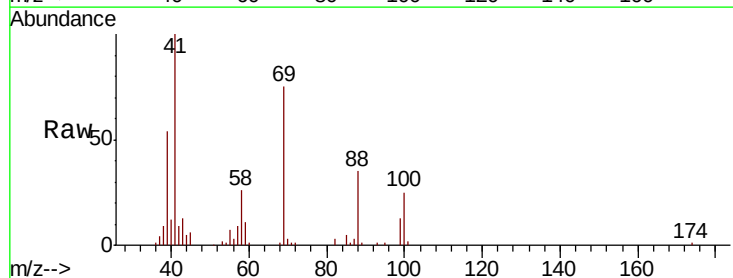
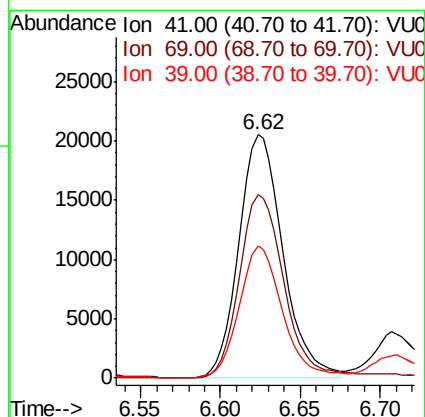
Manual Integrations
APPROVED

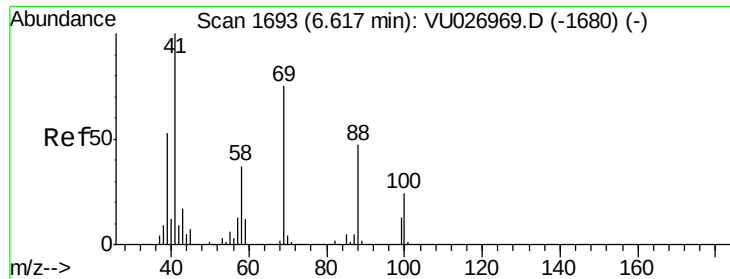
MMDadoda
9/24/2018 2:14:11 PM



#48
Methyl methacrylate
Concen: 17.836 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion	41	Resp	38757
Ion Ratio	100	Lower	Upper
41	100		
69	76.6	60.6	90.8
39	53.3	42.8	64.2





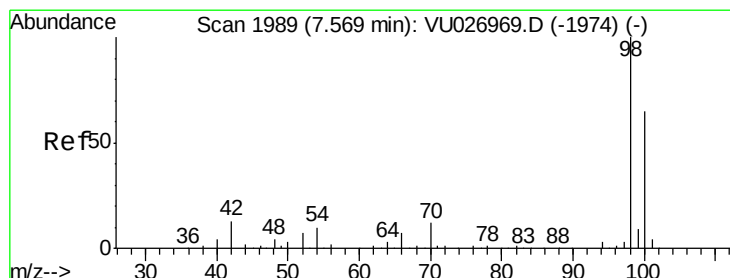
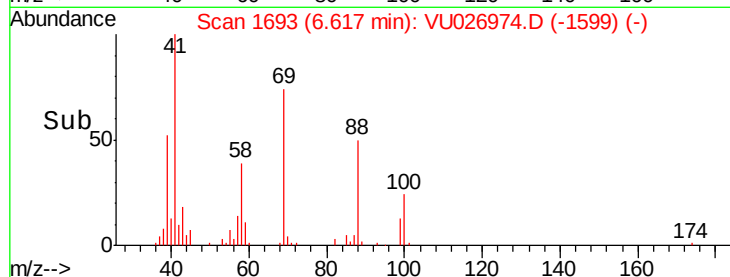
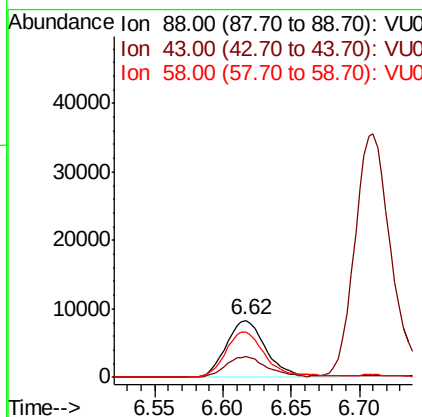
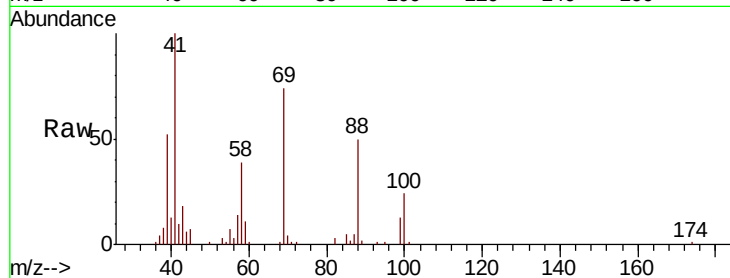
#49
1,4-Dioxane
Concen: 380.233 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	29.8	44.8
58	78.9	63.9	95.9

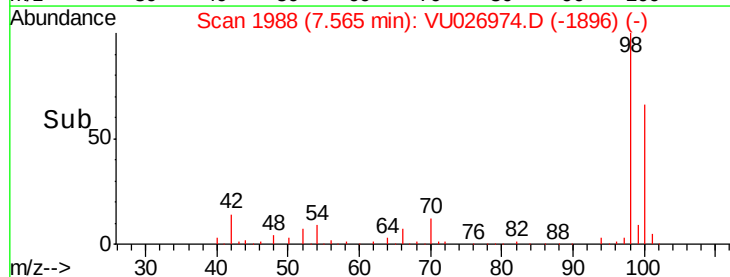
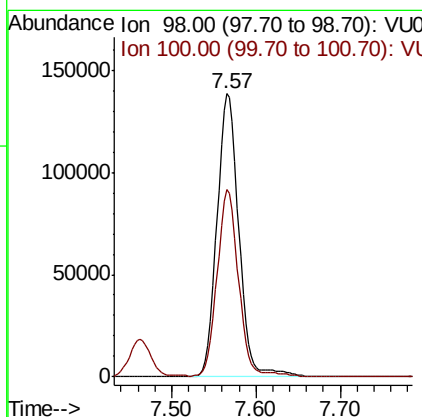
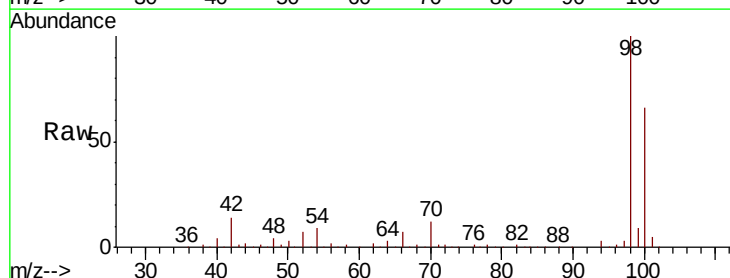
Manual Integrations
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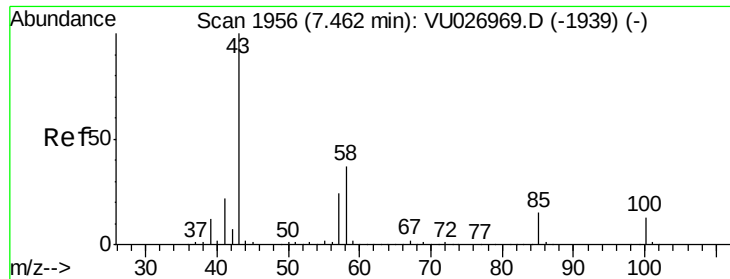
MMDadoda
9/24/2018 2:14:11 PM



#50
Toluene-d8
Concen: 48.059 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 94.992 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

Tot Ion: 43 Resp: 264940

Ion Ratio Lower Upper

43 100

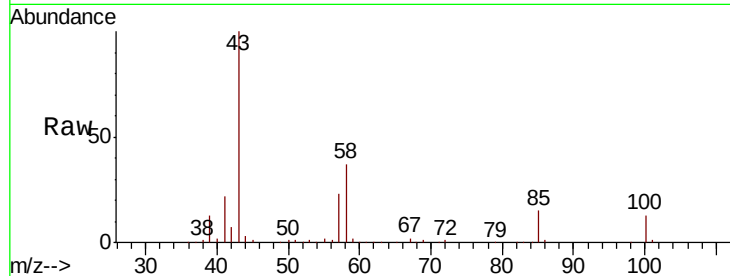
58 37.4 29.8 44.6

Manual Integrations

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MMDadoda

9/24/2018 2:14:11 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

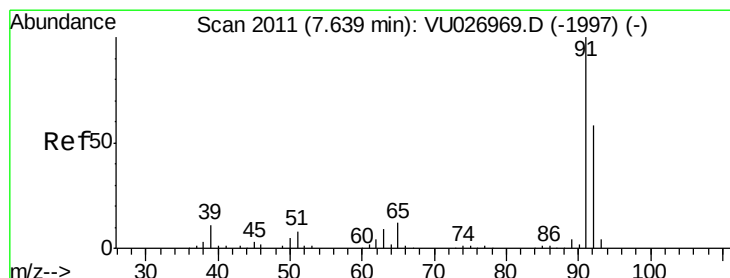
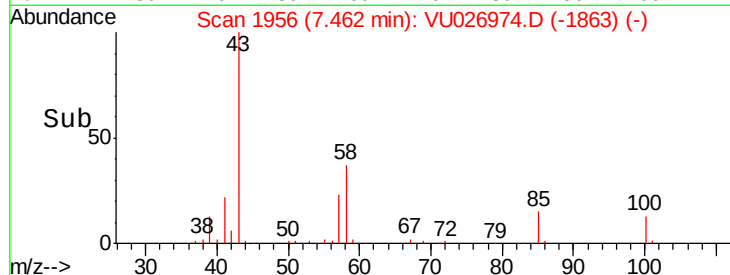
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.976 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026974.D

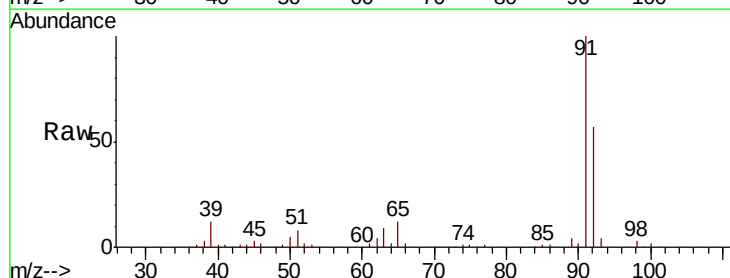
Acq: 21 Sep 2018 18:09

Tgt Ion: 92 Resp: 69457

Ion Ratio Lower Upper

92 100

91 179.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

80000

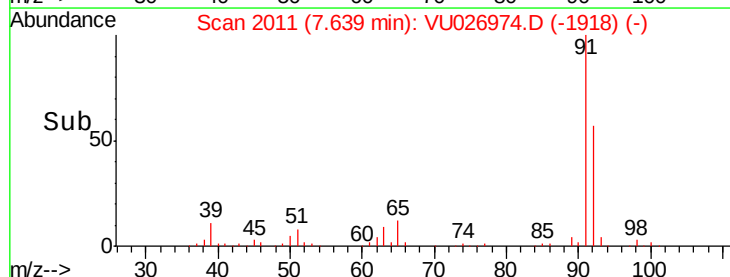
60000

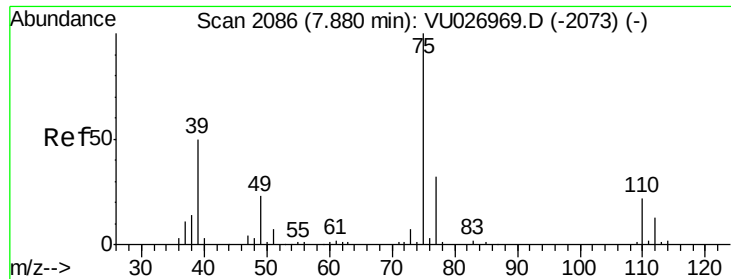
40000

20000

0

Time-->





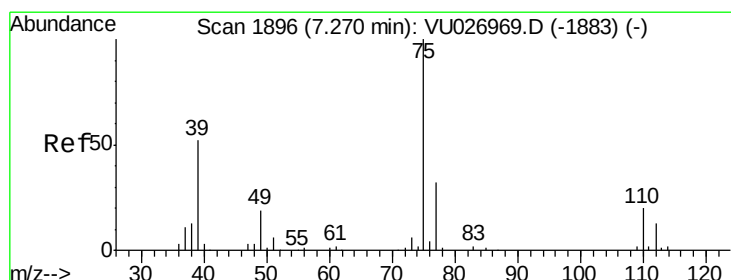
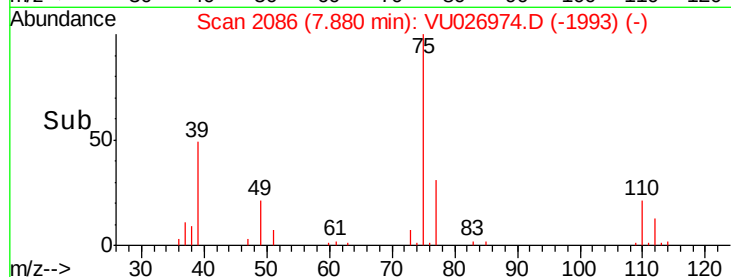
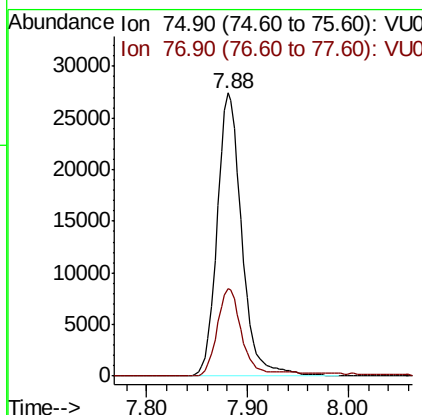
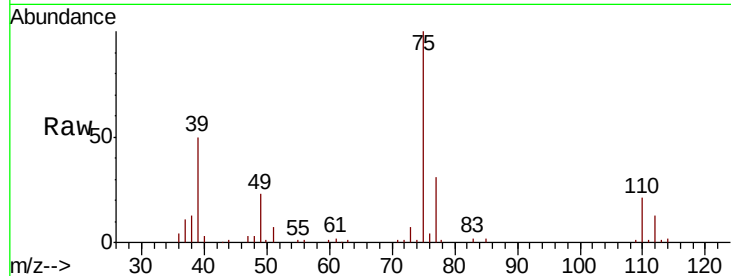
#53
t-1,3-Dichloropropene
Concen: 19.601 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9

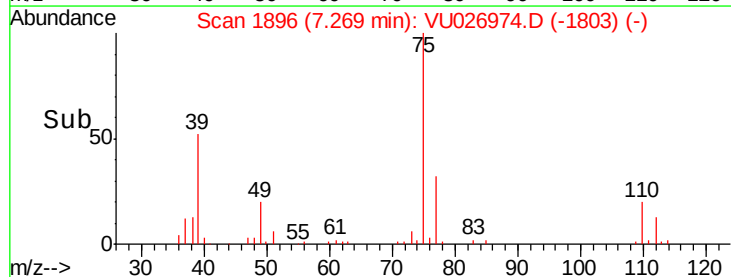
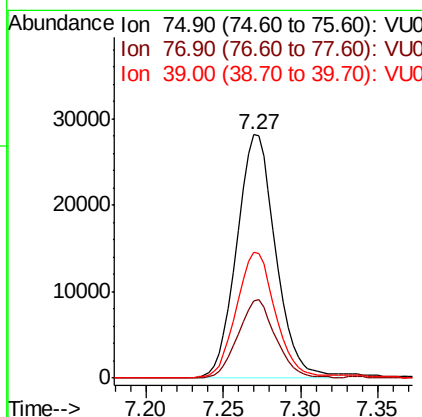
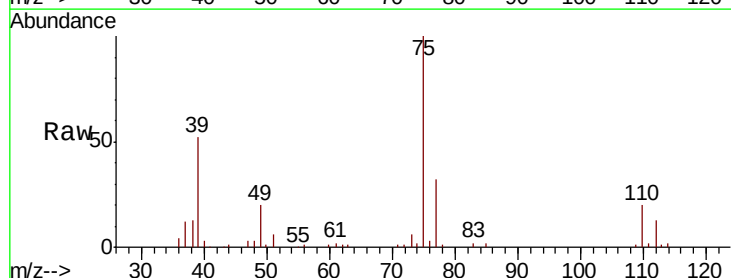
Manual Integrations
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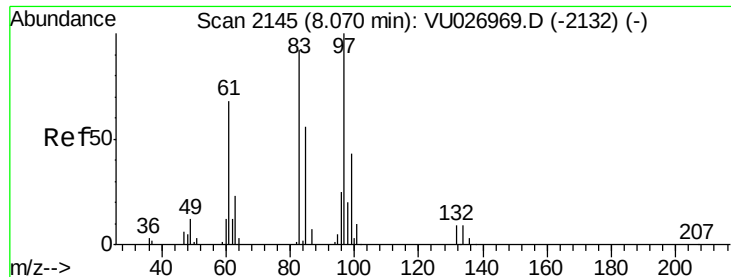
MMDadoda
9/24/2018 2:14:11 PM



#54
cis-1,3-Dichloropropene
Concen: 18.855 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	51.5	41.6	62.4





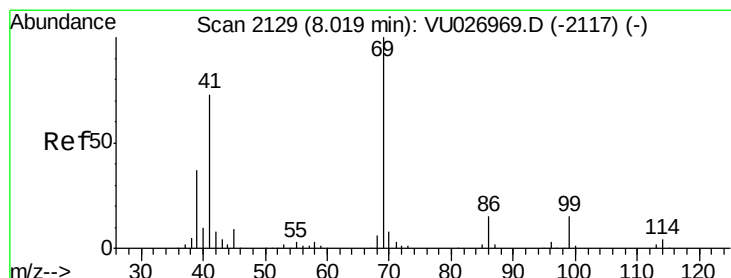
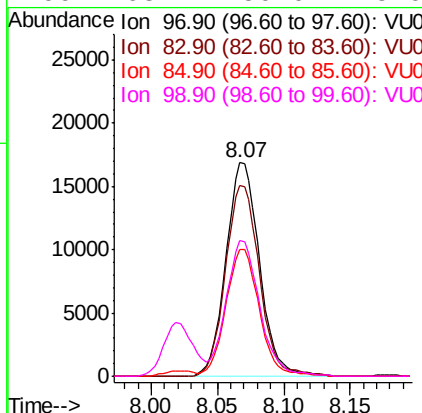
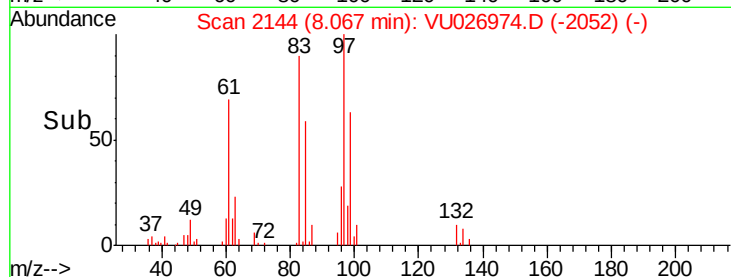
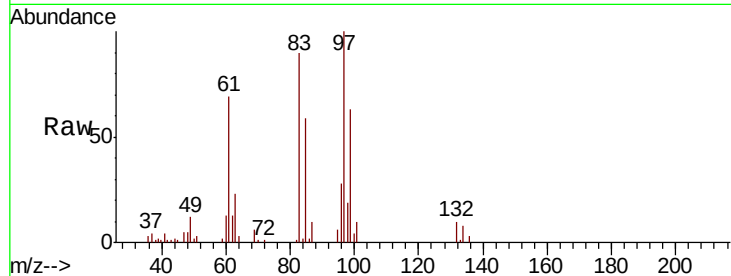
#55
 1,1,2-Trichloroethane
 Concen: 19.142 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Tot Ion:	97	Resp:	29688
Ion	Ratio	Lower	Upper
97	100		
83	89.6	73.1	109.7
85	59.5	46.7	70.1
99	63.2	50.0	75.0

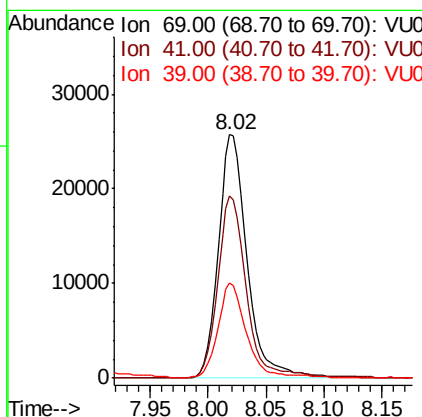
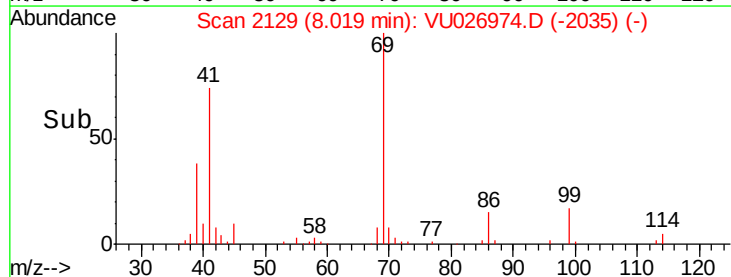
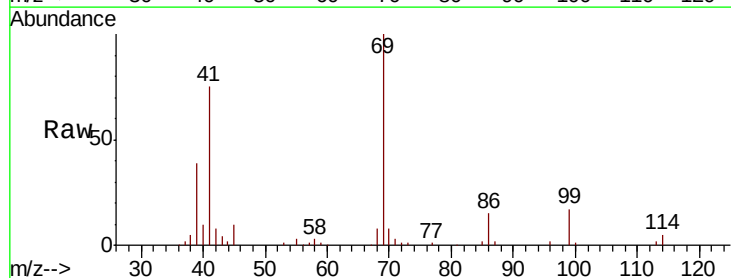
Manual Integrations
 APPROVED

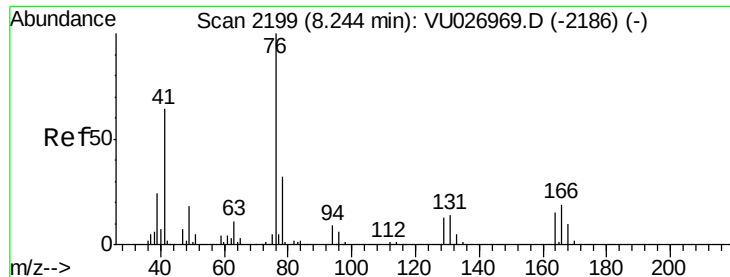
MMDadoda
 9/24/2018 2:14:11 PM



#56
 Ethyl methacrylate
 Concen: 18.040 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion:	69	Resp:	44598
Ion	Ratio	Lower	Upper
69	100		
41	75.0	59.0	88.4
39	39.1	30.2	45.4





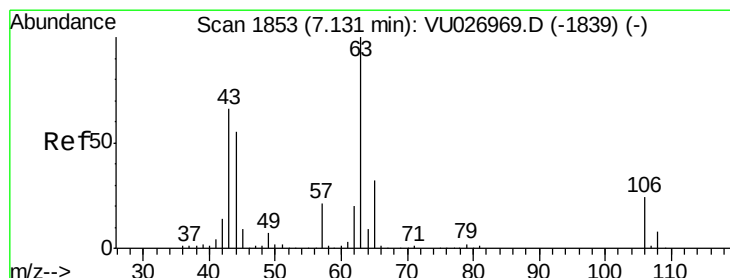
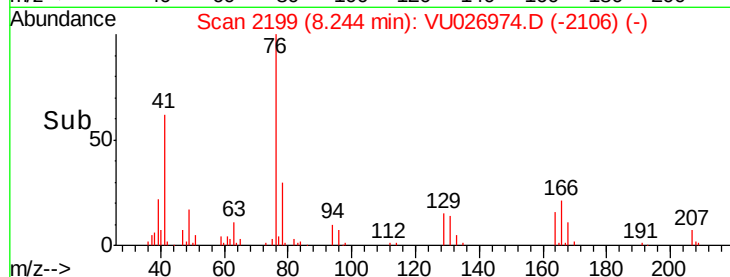
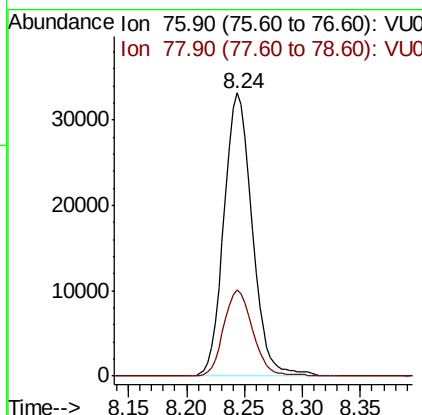
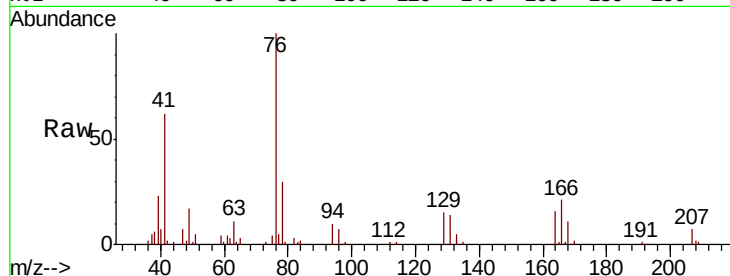
#57
 1,3-Dichloropropane
 Concen: 19.437 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.0	25.5	38.3

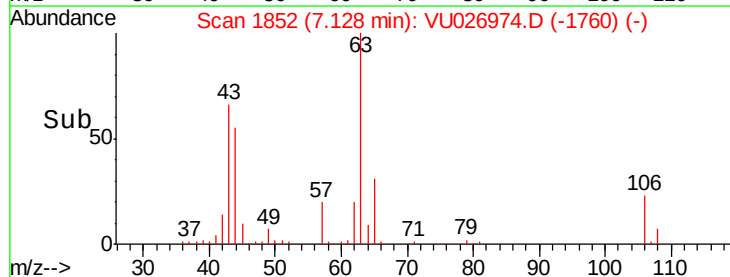
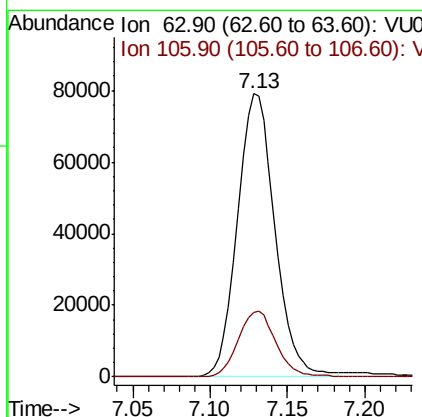
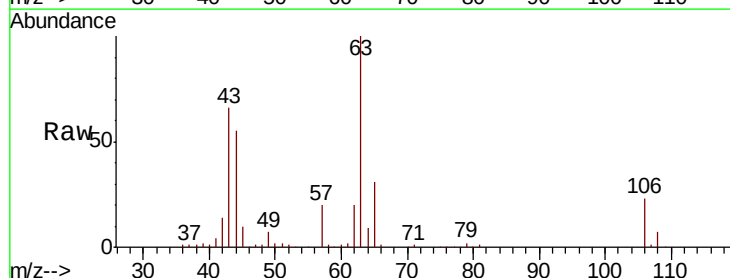
Manual Integrations
 APPROVED

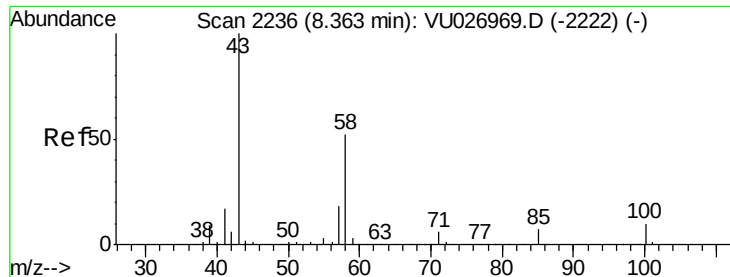
MMDadoda
 9/24/2018 2:14:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.535 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.4	18.7	28.1





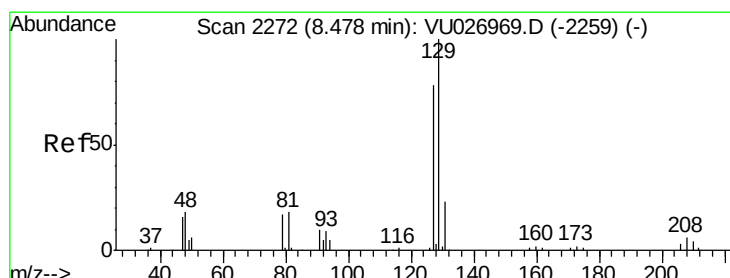
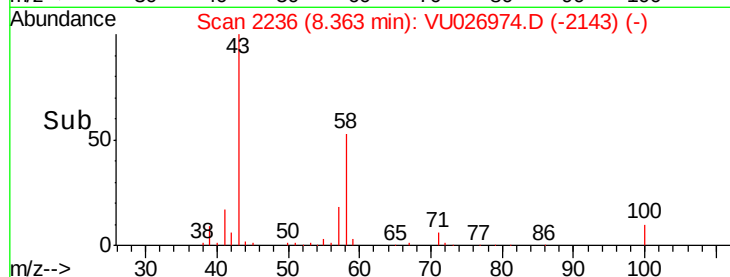
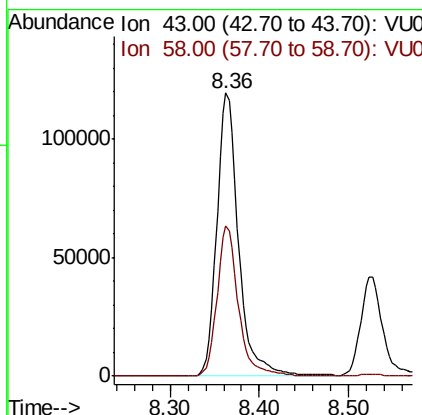
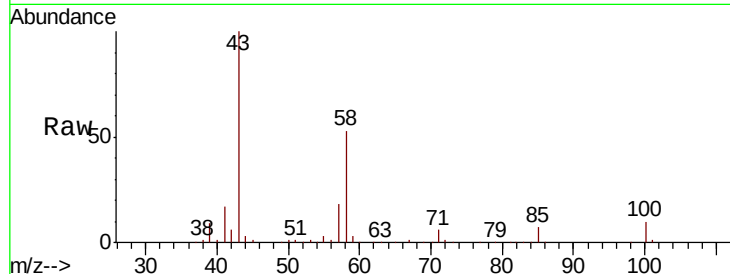
#59
2-Hexanone
Concen: 92.297 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion: 43 Resp: 201505
Ion Ratio Lower Upper
43 100
58 52.0 26.1 78.2

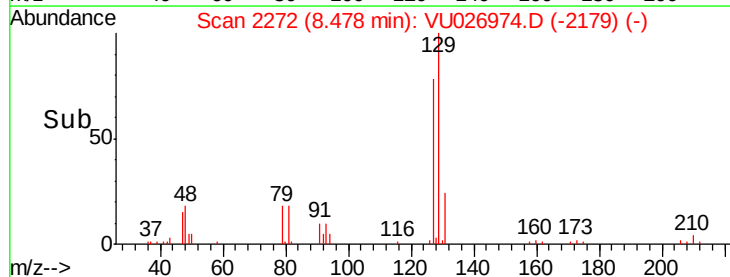
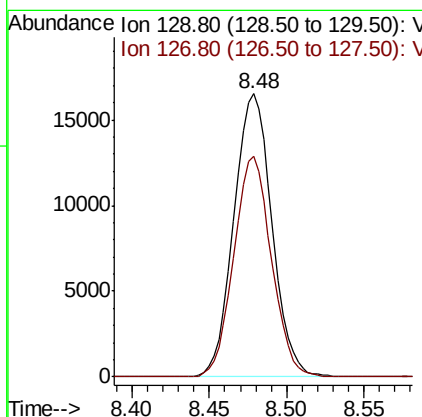
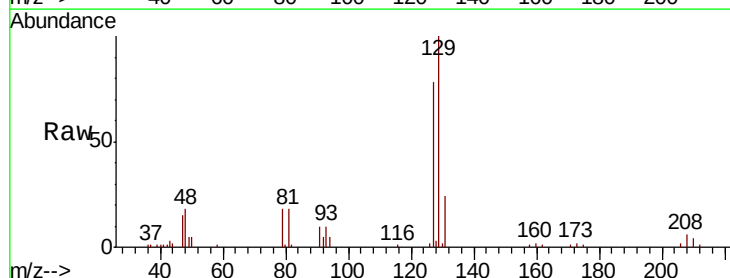
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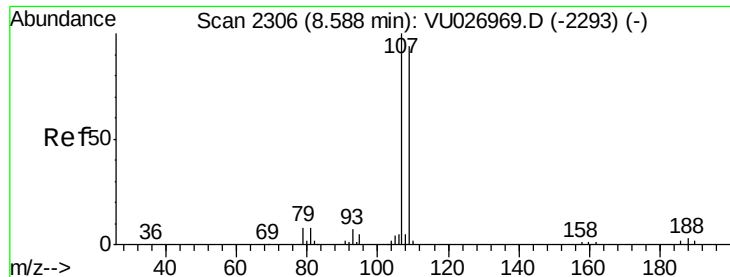
MMDadoda
9/24/2018 2:14:11 PM



#60
Dibromochloromethane
Concen: 18.597 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion: 129 Resp: 28291
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.5





#61

1,2-Dibromoethane

Concen: 18.811 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

Tot Ion:107 Resp: 30354

Ion Ratio Lower Upper

107 100

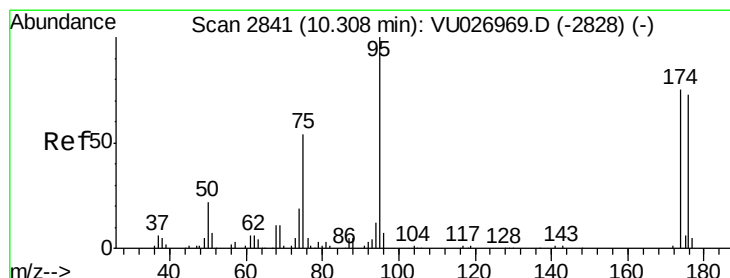
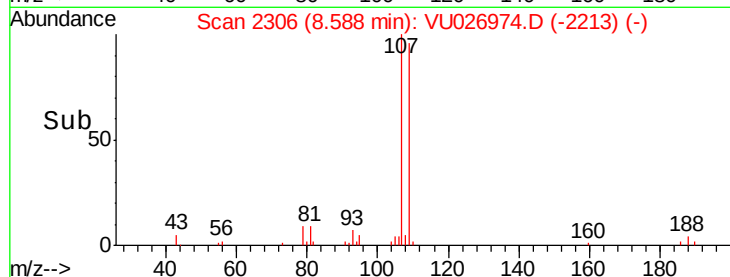
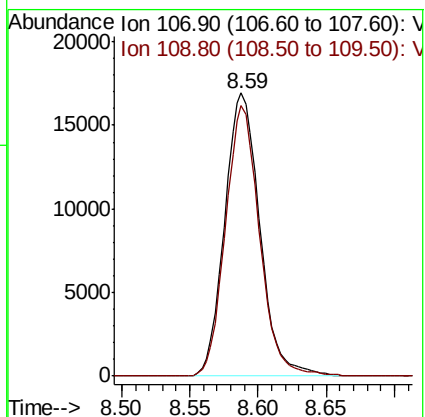
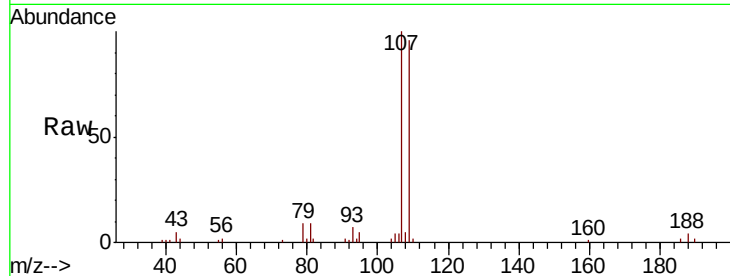
109 92.8 75.0 112.6

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#62

4-Bromofluorobenzene

Concen: 48.334 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

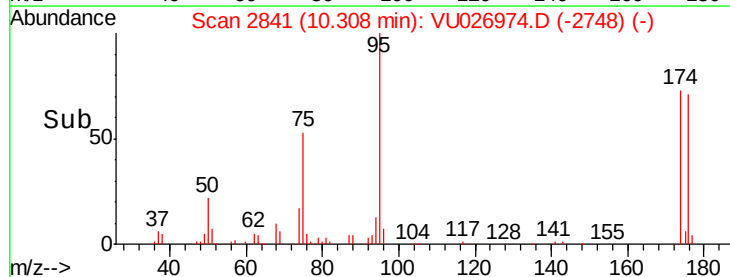
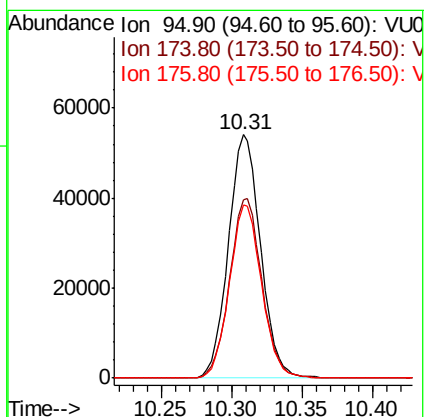
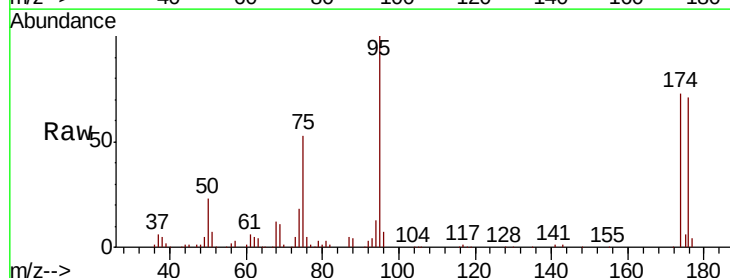
Tgt Ion: 95 Resp: 86227

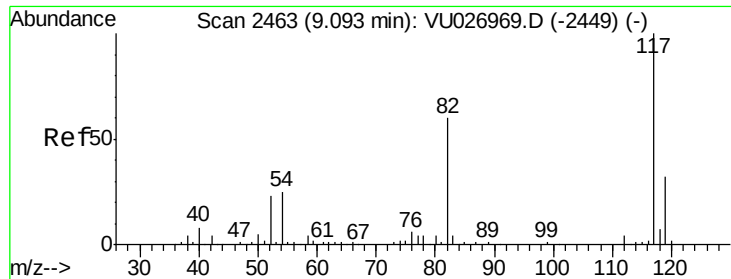
Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.2

176 71.5 0.0 145.2





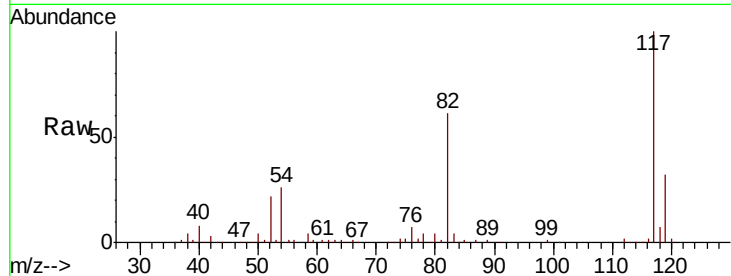
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	48.0	72.0
119	32.4	25.8	38.8

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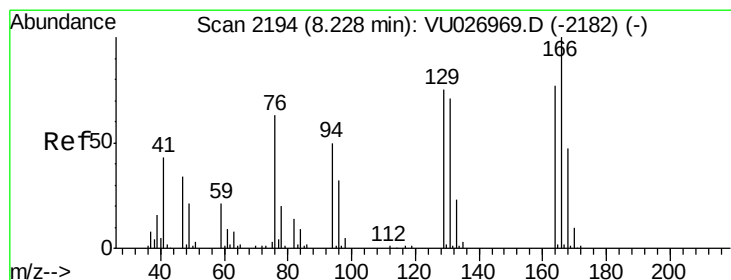
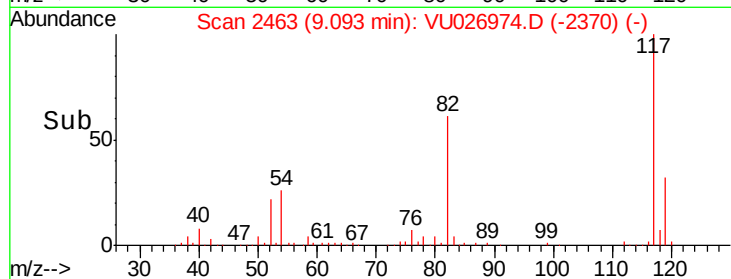
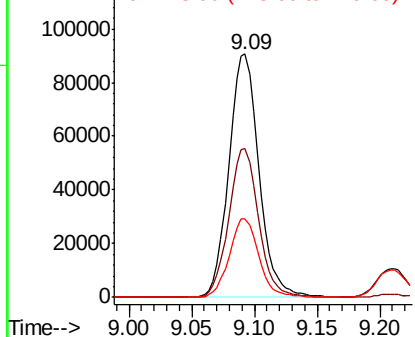


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.946 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	104.4	156.6
129	98.0	78.7	118.1
131	91.2	73.9	110.9

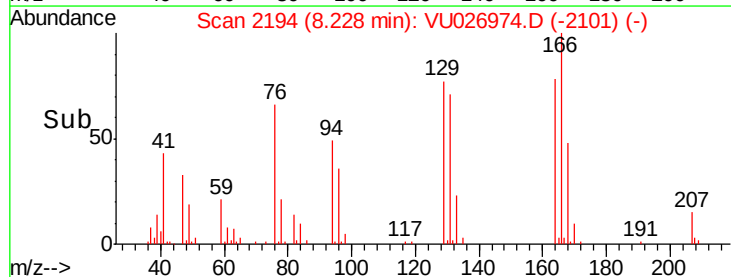
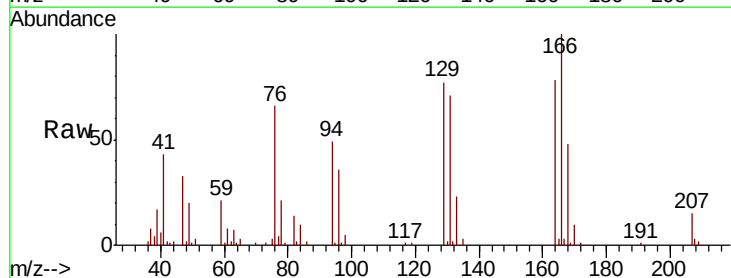
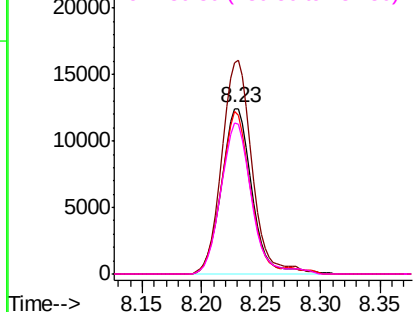
Abundance

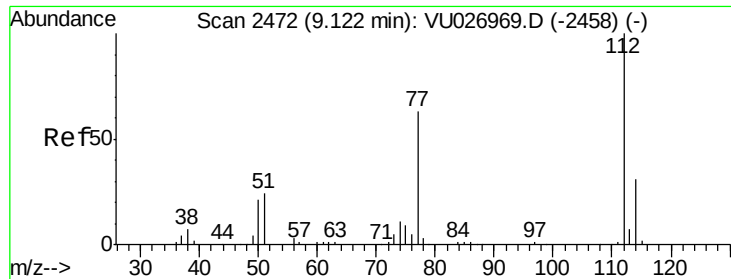
Ion 163.80 (163.50 to 164.50): V

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





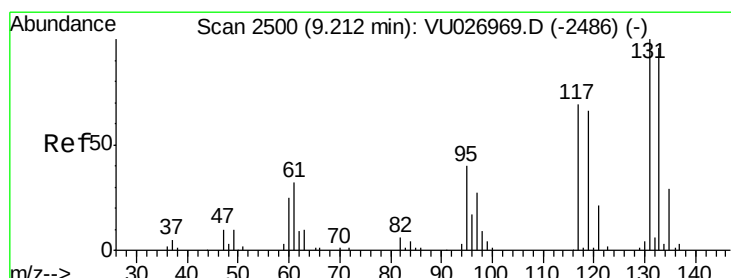
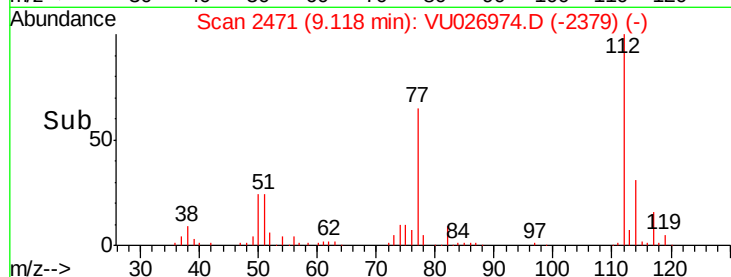
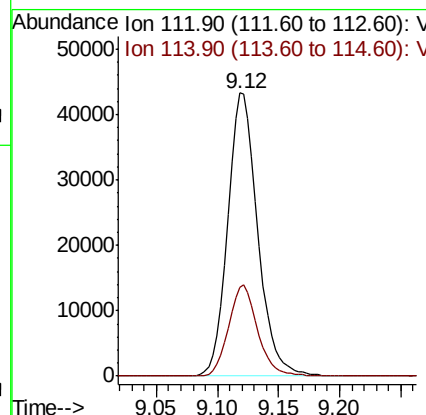
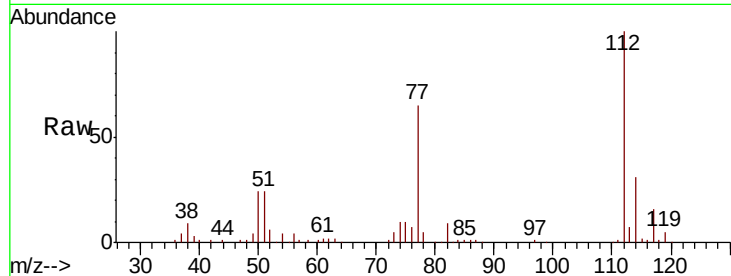
#65
Chlorobenzene
Concen: 18.638 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion:112 Resp: 74696
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6

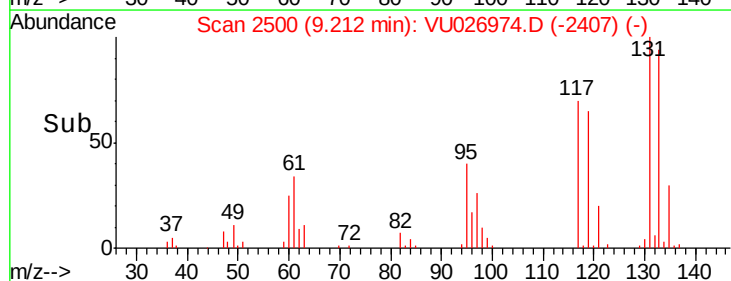
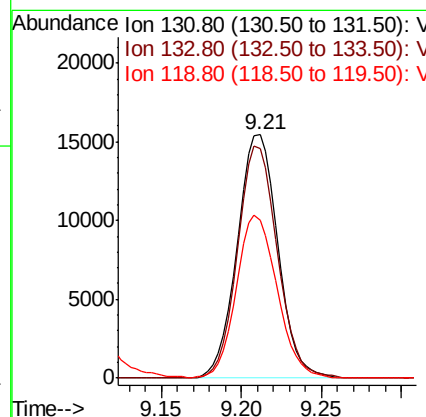
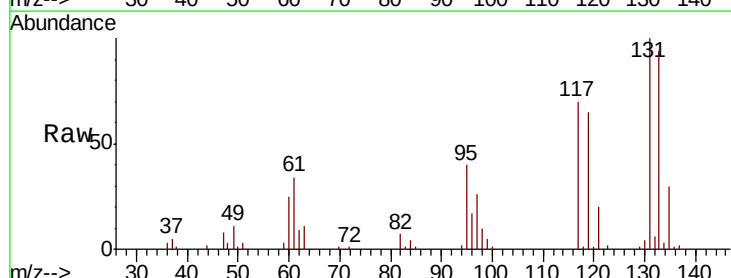
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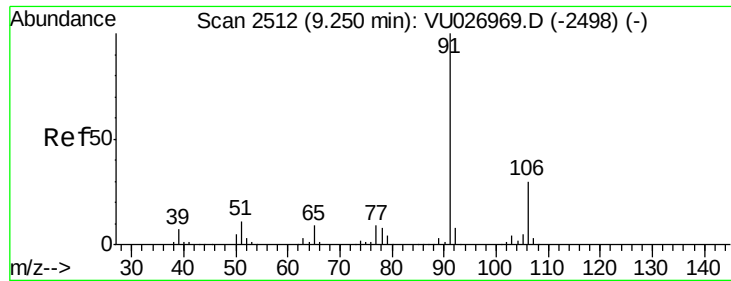
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.365 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion:131 Resp: 26731
Ion Ratio Lower Upper
131 100
133 93.6 48.0 144.2
119 67.0 33.4 100.1





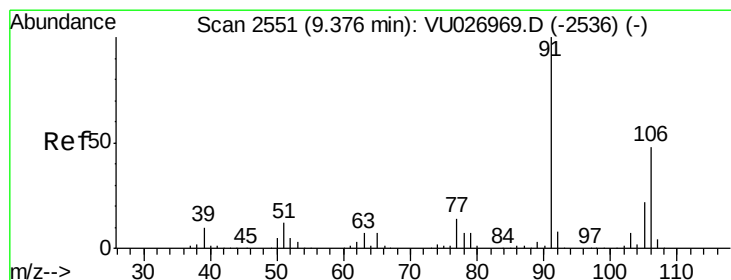
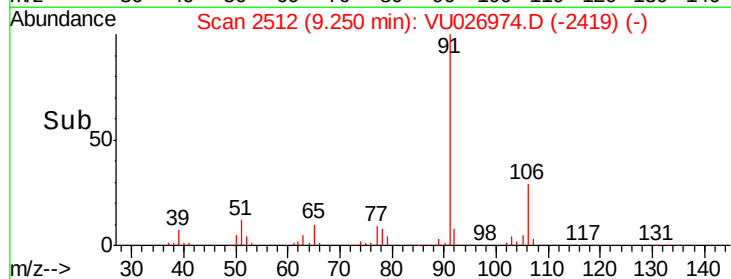
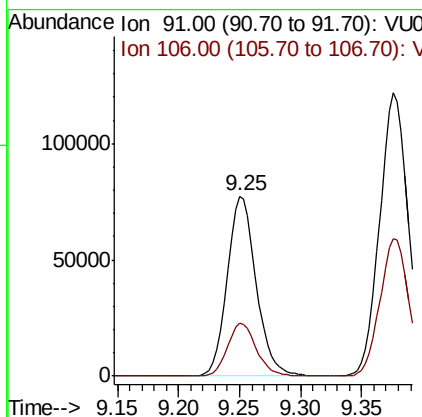
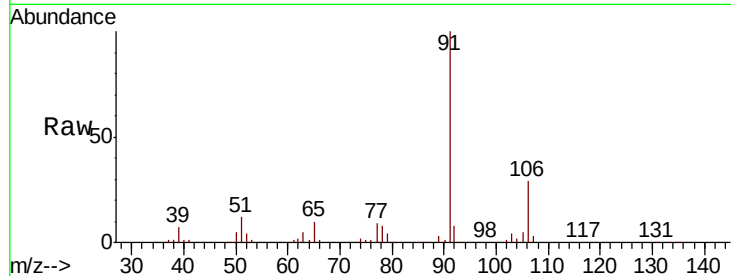
#67
Ethyl Benzene
Concen: 19.554 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion: 91 Resp: 128869
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.8

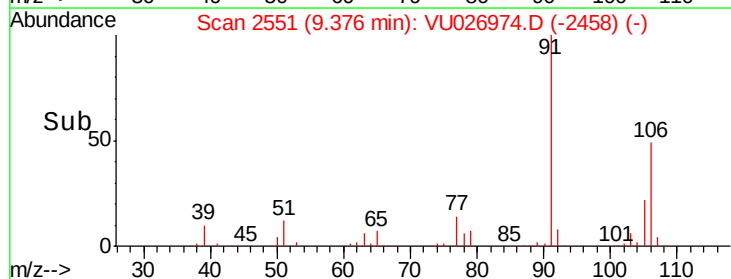
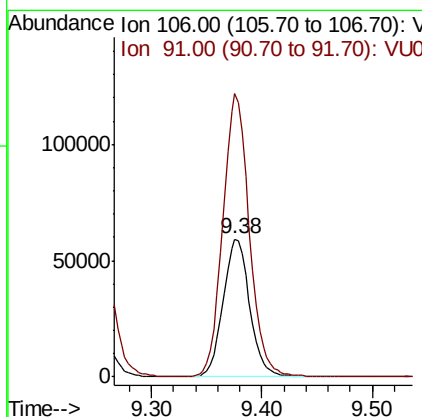
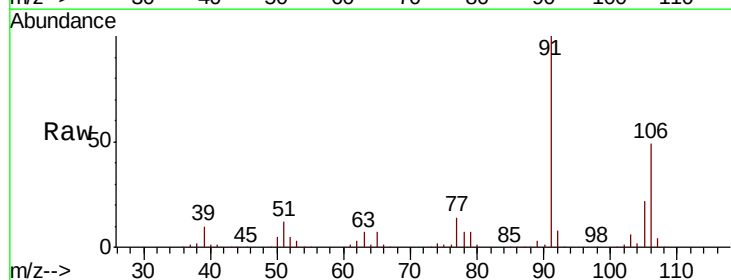
Manual Integrations
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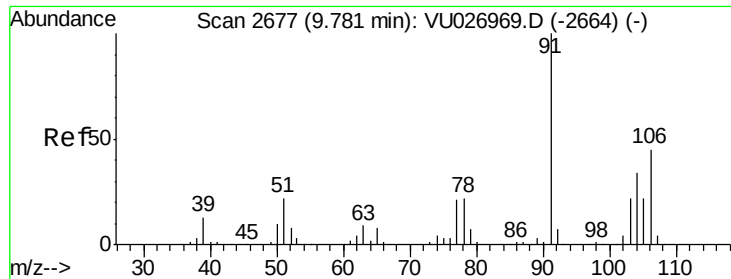
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#68
m/p-Xylenes
Concen: 38.039 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion: 106 Resp: 99006
Ion Ratio Lower Upper
106 100
91 204.1 166.5 249.7





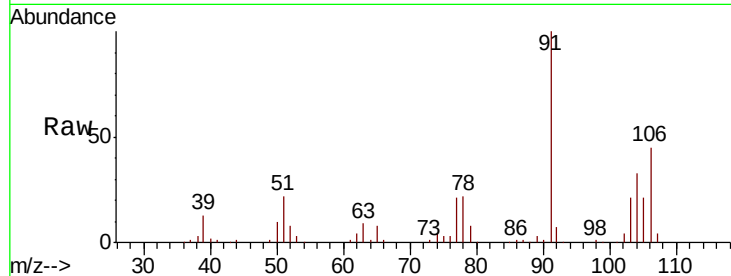
#69
o-Xylene
Concen: 19.967 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

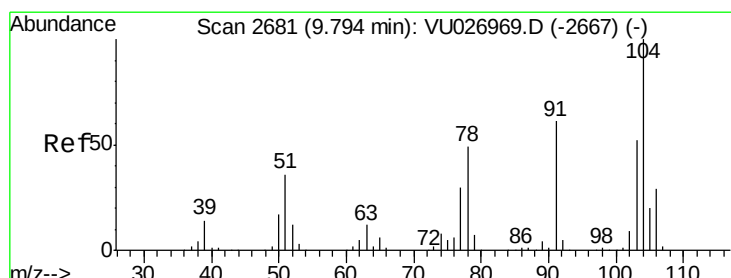
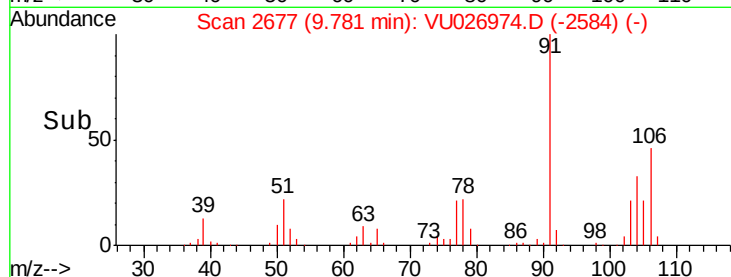
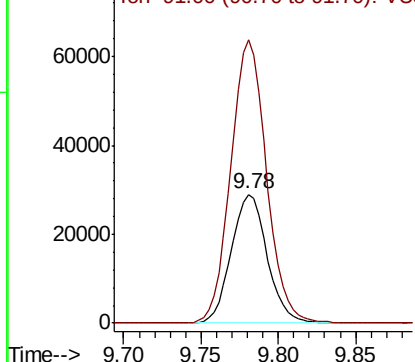
Tot Ion:106 Resp: 46623
Ion Ratio Lower Upper
106 100
91 218.4 110.2 330.6

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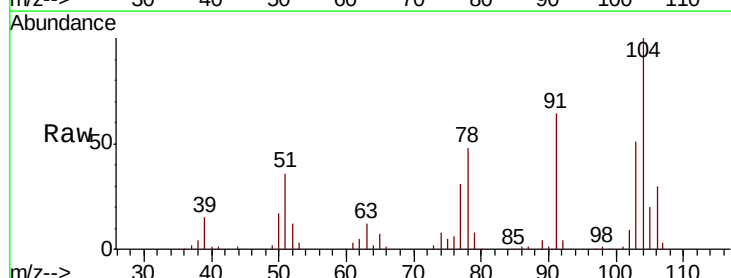


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

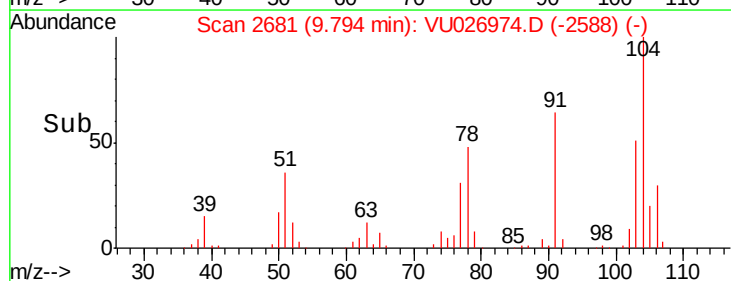
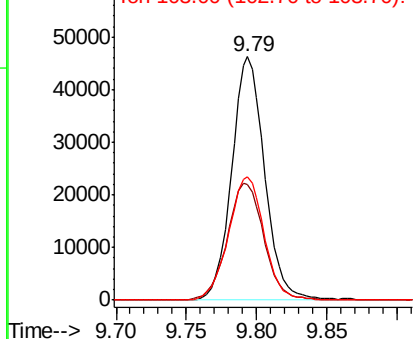


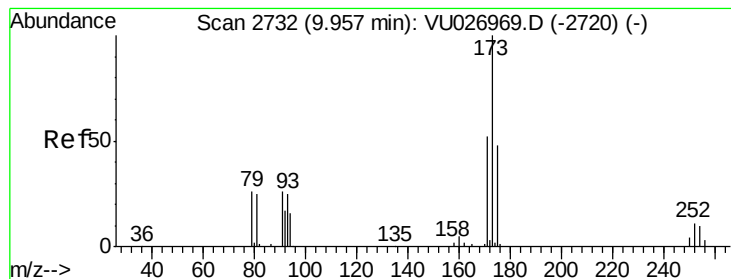
#70
Styrene
Concen: 18.495 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion:104 Resp: 75477
Ion Ratio Lower Upper
104 100
78 53.5 43.0 64.4
103 55.0 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.343 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

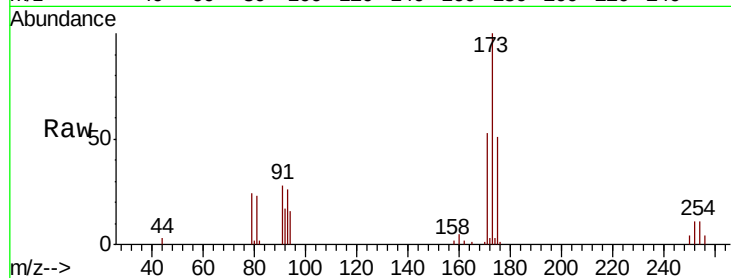
ClientSampleId :

VU0922WBS01

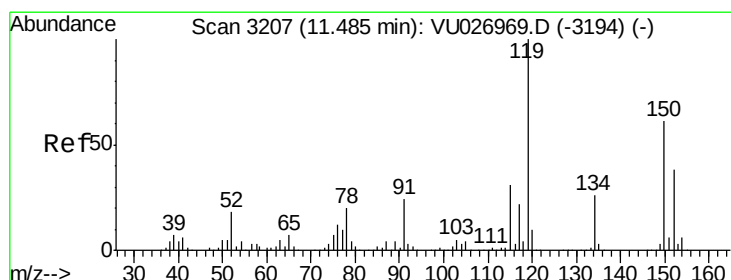
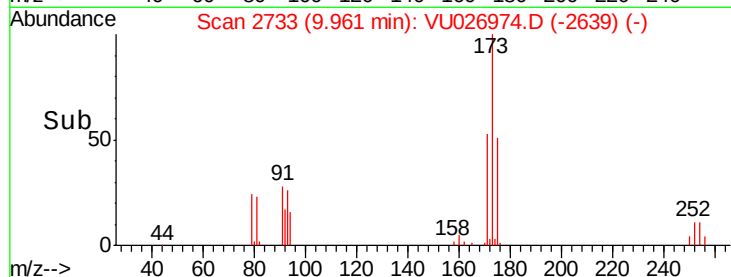
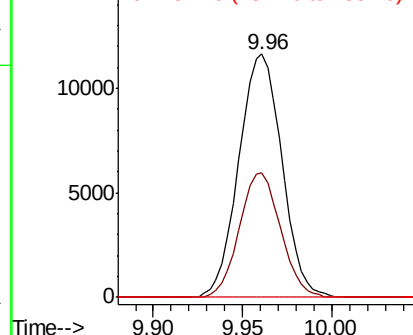
Tot Ion:	173	Resp:	19581
Ion Ratio	Lower	Upper	
173	100		
175	48.9	23.9	71.8
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

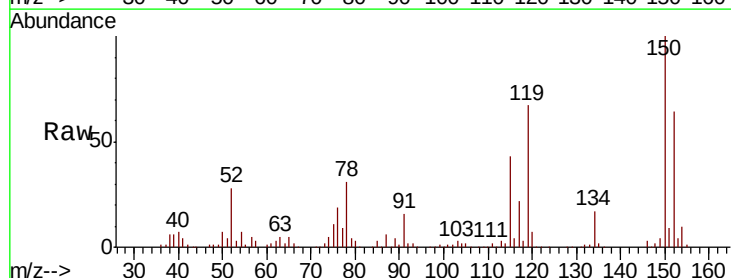
RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

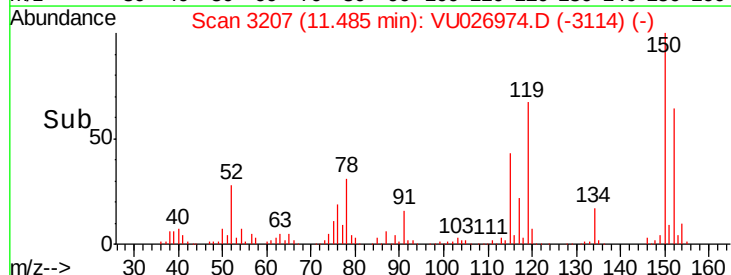
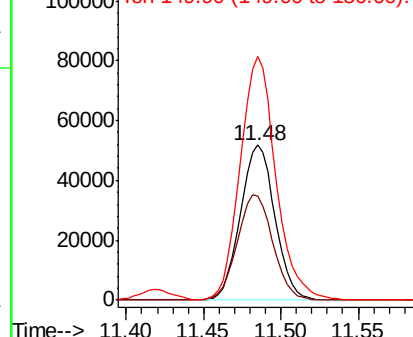
Lab File: VU026974.D

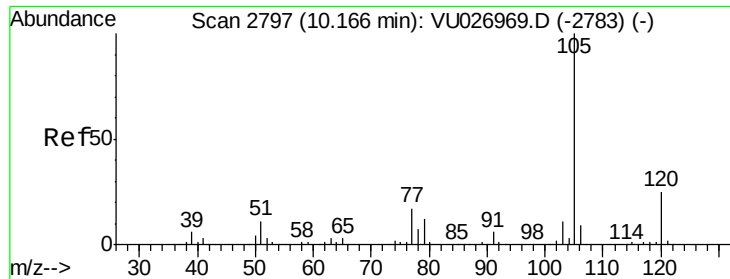
Acq: 21 Sep 2018 18:09

Tgt Ion:	152	Resp:	80303
Ion Ratio	Lower	Upper	
152	100		
115	70.0	44.9	134.5
150	162.7	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: 20.627 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

Tot Ion: 105 Resp: 126001

Ion Ratio Lower Upper

105 100

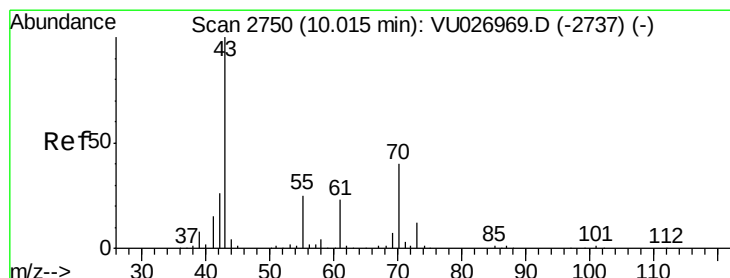
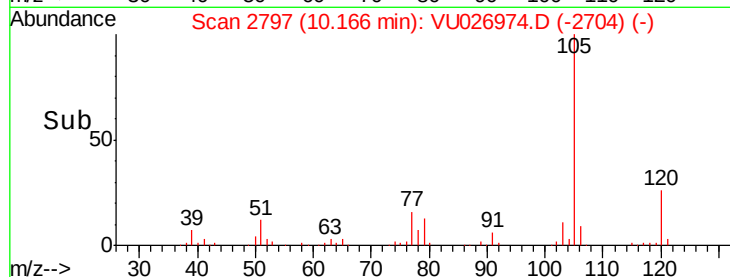
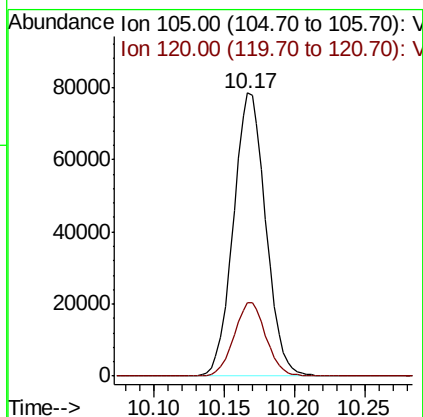
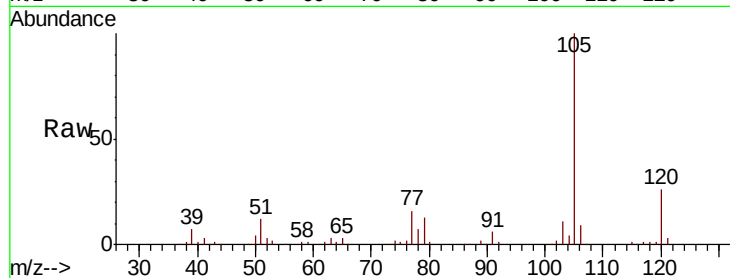
120 25.7 12.8 38.4

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#74

N-ethyl acetate

Concen: 19.131 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Tgt Ion: 43 Resp: 67647

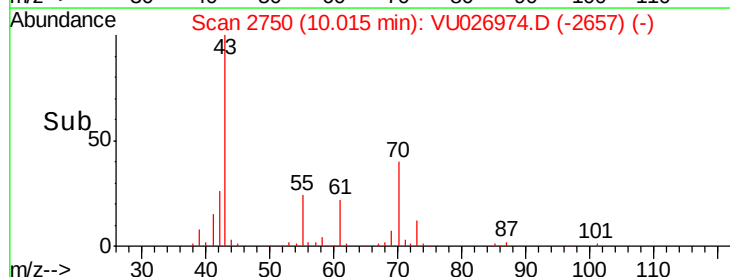
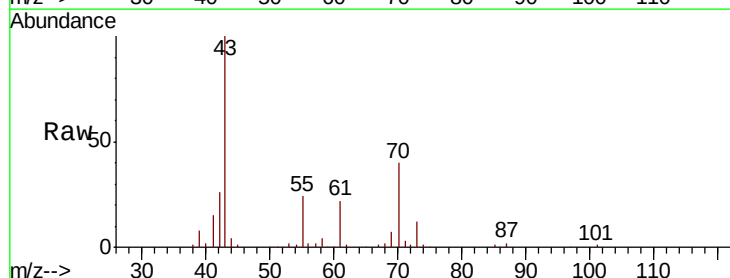
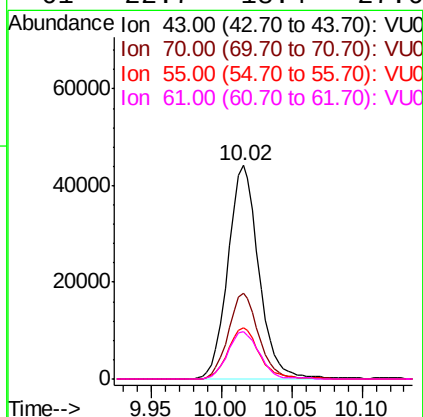
Ion Ratio Lower Upper

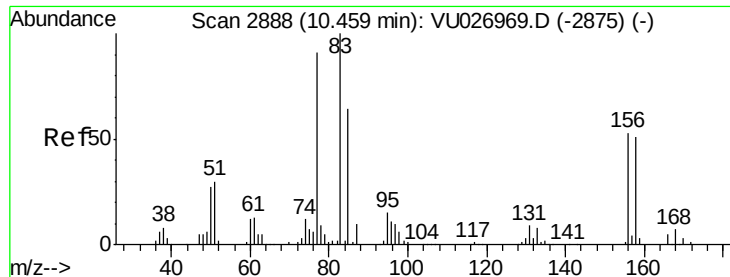
43 100

70 39.8 31.8 47.8

55 24.4 19.9 29.9

61 22.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.942 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

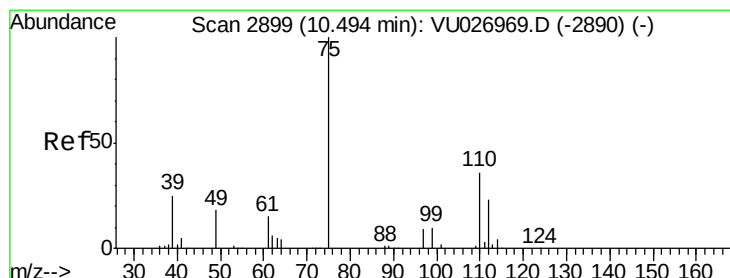
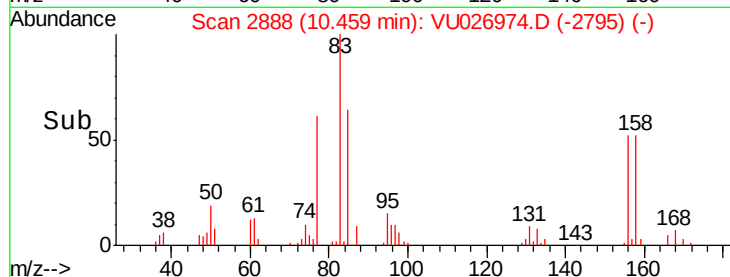
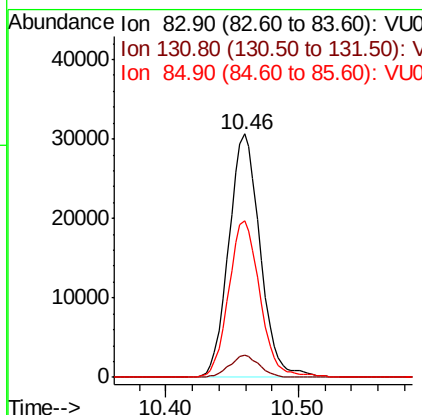
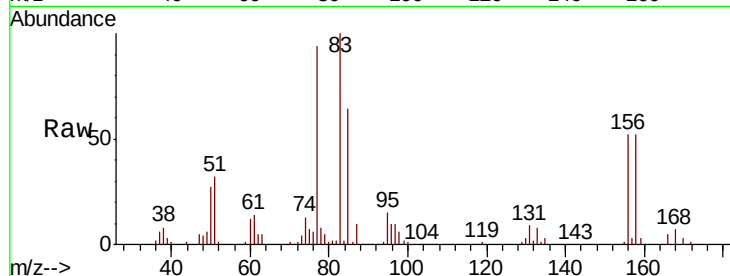
ClientSampleId :

VU0922WBS01

Tot Ion:	83	Resp:	50390
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.3	12.8
85	64.2	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.071 ug/l m

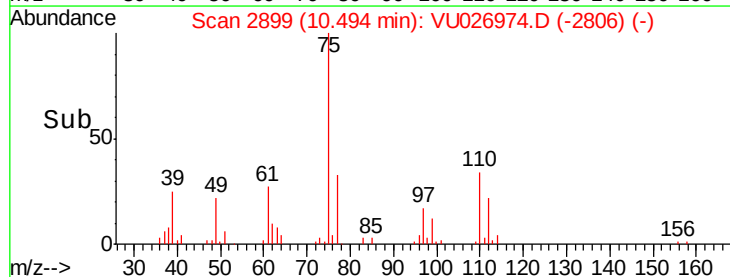
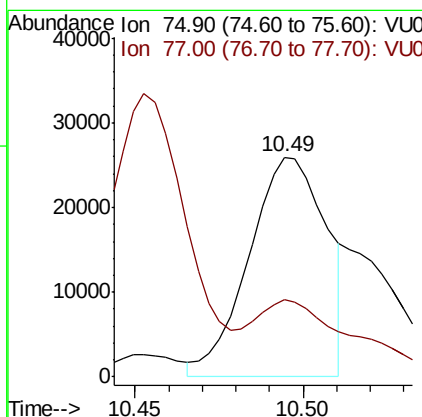
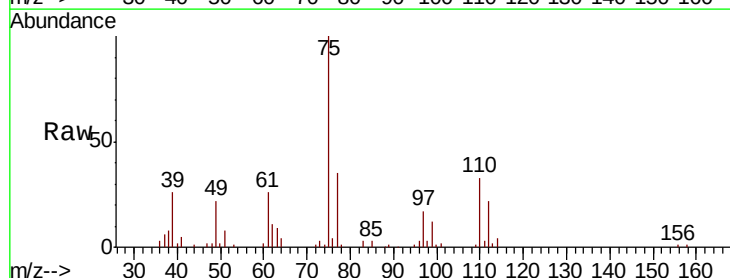
RT: 10.49 min Scan# 2899

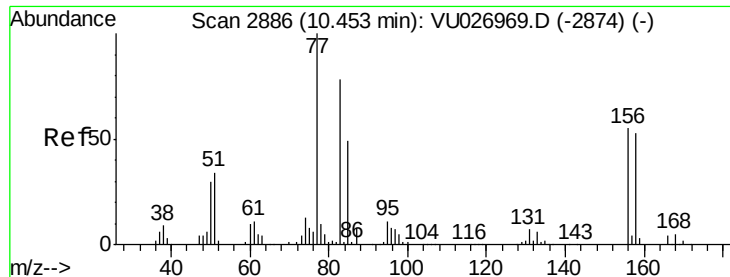
Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Tgt Ion:	75	Resp:	41647
Ion Ratio	Lower	Upper	
75	100		
77	44.7	20.9	62.8





#77

Bromobenzene

Concen: 19.500 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

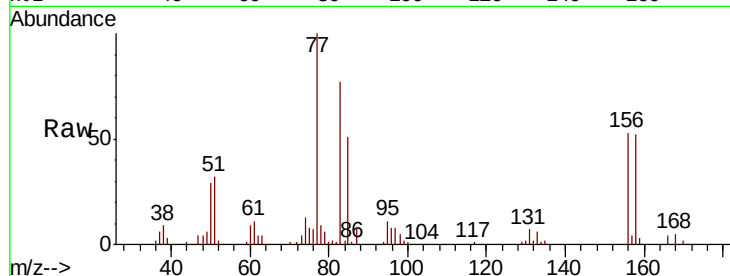
ClientSampleId :

VU0922WBS01

Tot Ion:	156	Resp:	29109
Ion Ratio	Lower	Upper	
156	100		
77	187.0	92.3	276.9
158	98.7	48.1	144.3

Manual Integrations
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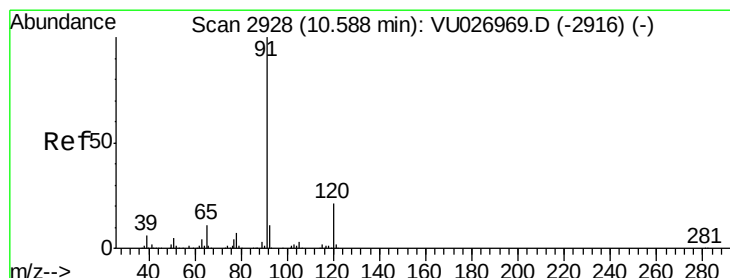
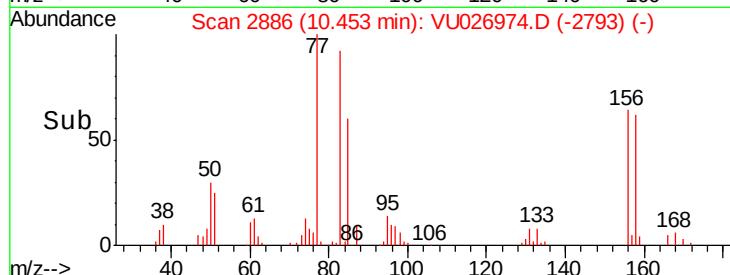
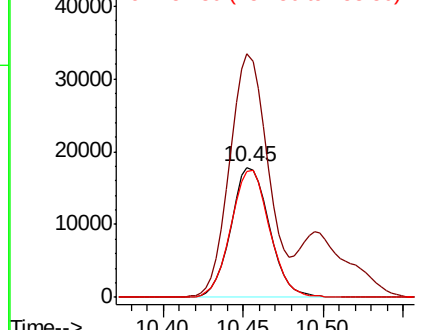
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.640 ug/l

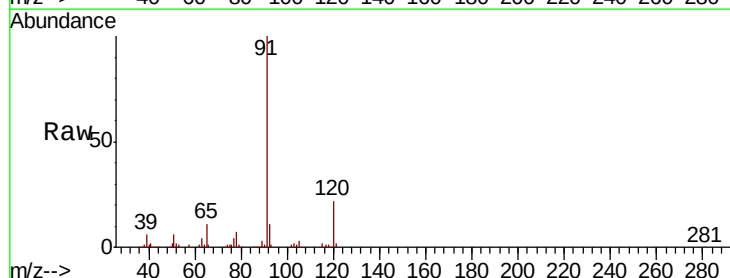
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026974.D

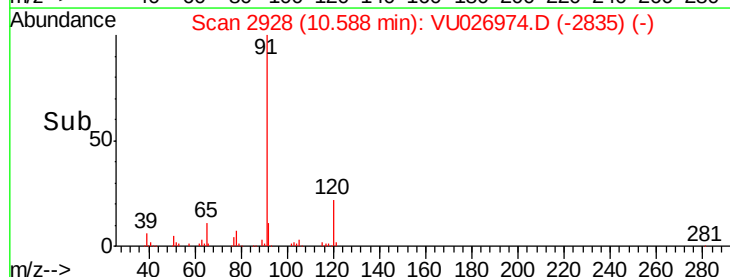
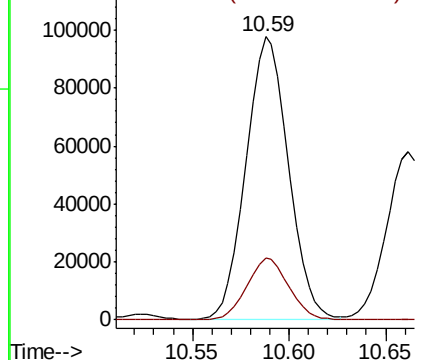
Acq: 21 Sep 2018 18:09

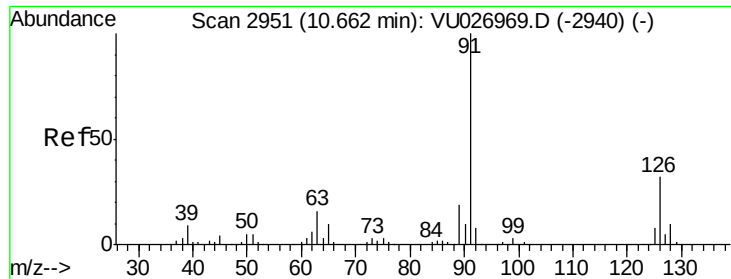
Tgt Ion:	91	Resp:	149185
Ion Ratio	Lower	Upper	
91	100		
120	21.6	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.071 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampled :

VU0922WBS01

Tot Ion: 91 Resp: 91123

Ion Ratio Lower Upper

91 100

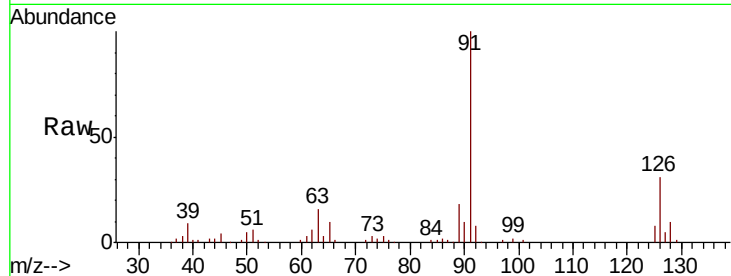
126 31.5 15.8 47.3

Manual Integrations

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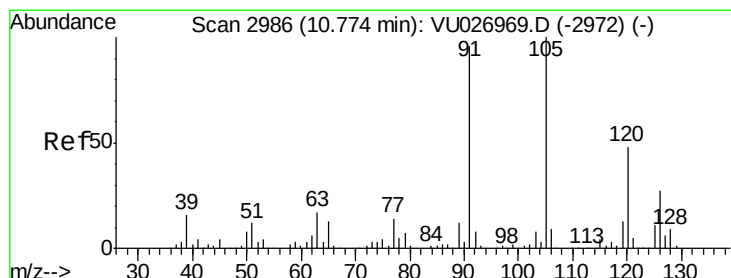
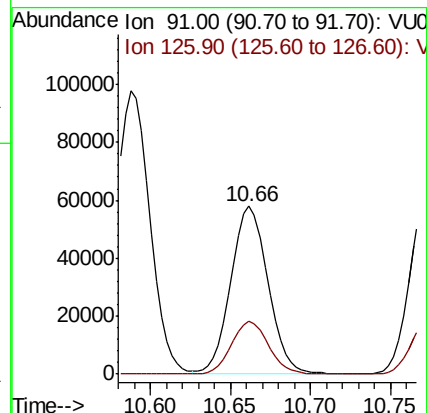
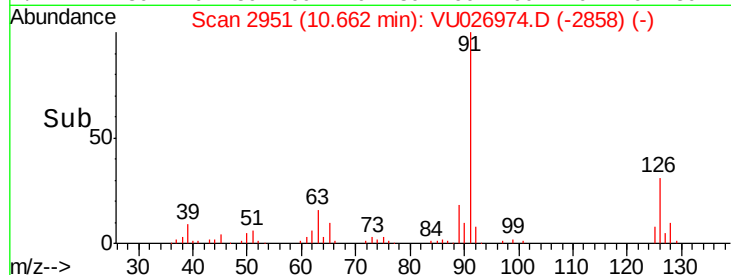
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Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU026974.D (-2858) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.841 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU026974.D

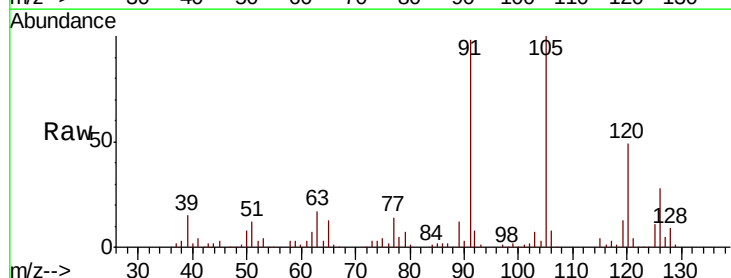
Acq: 21 Sep 2018 18:09

Tgt Ion: 105 Resp: 105090

Ion Ratio Lower Upper

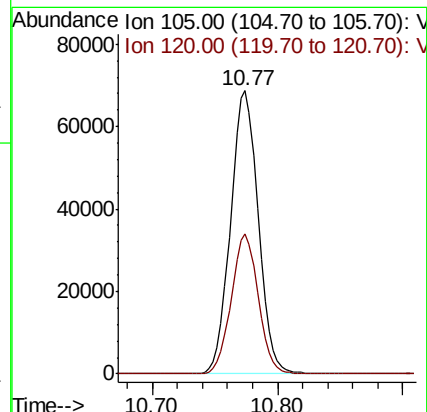
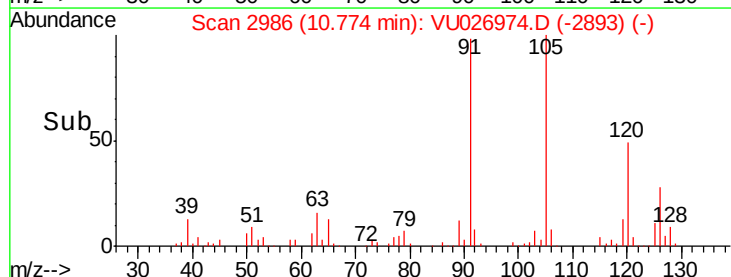
105 100

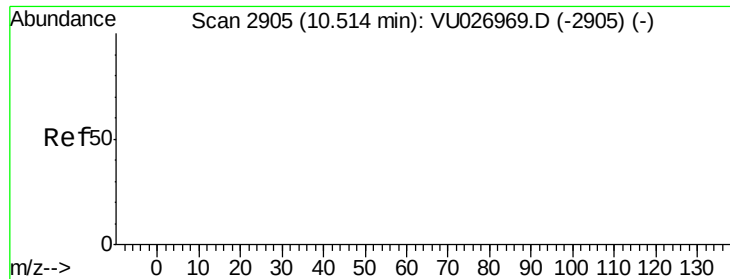
120 48.1 23.9 71.7



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

Ion 120.00 (119.70 to 120.70): VU026974.D (-2893) (-)





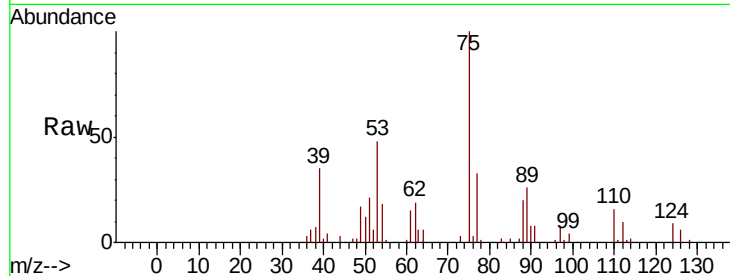
#81
trans-1,4-Dichloro-2-butene
Concen: 19.107 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

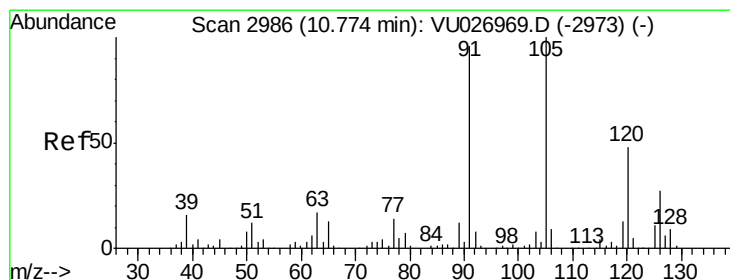
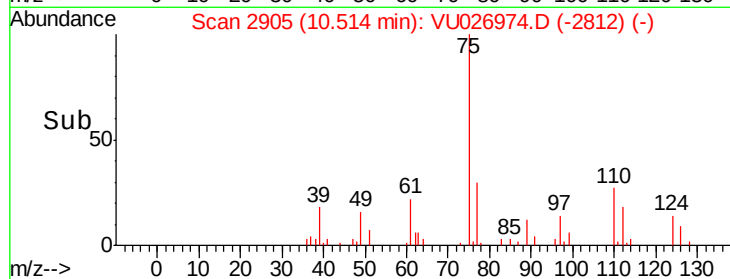
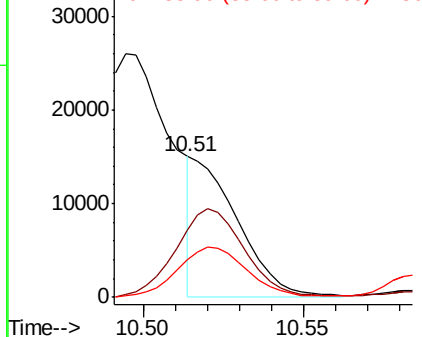
Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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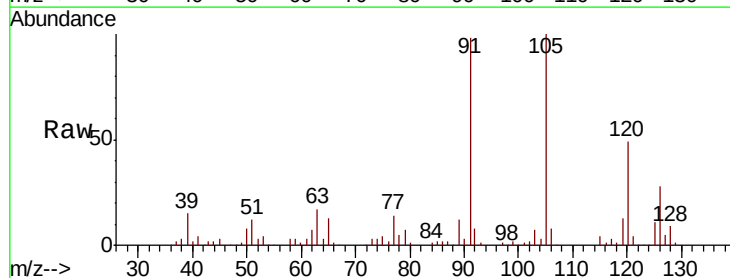


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

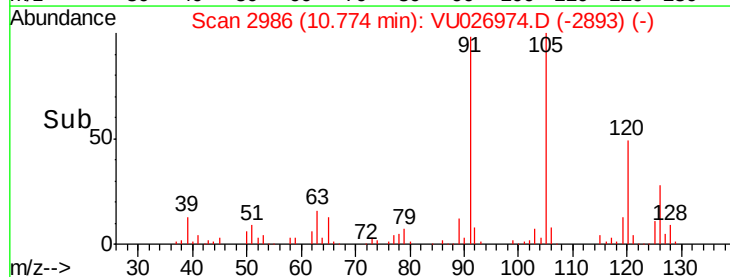
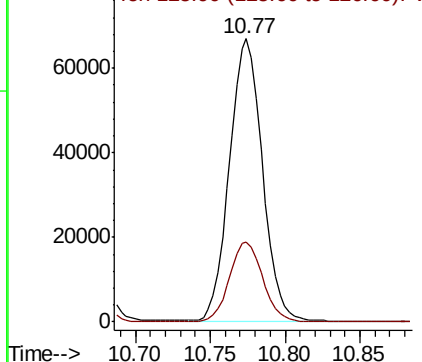


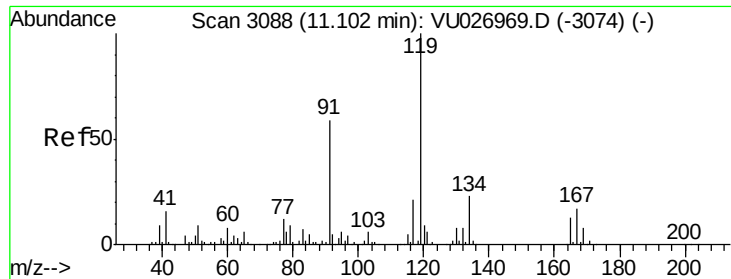
#82
4-Chlorotoluene
Concen: 20.119 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.1	42.2



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V





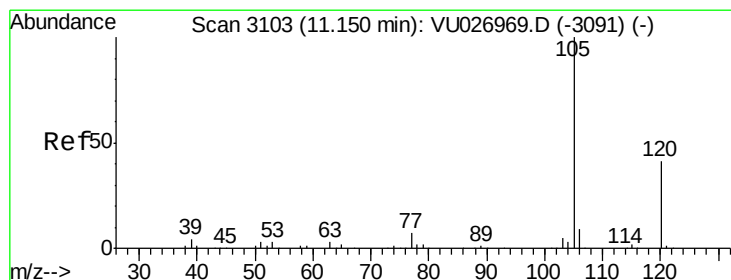
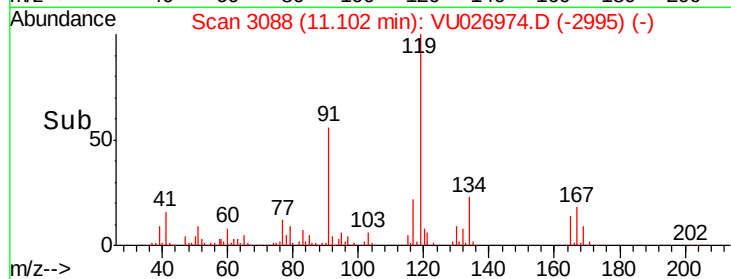
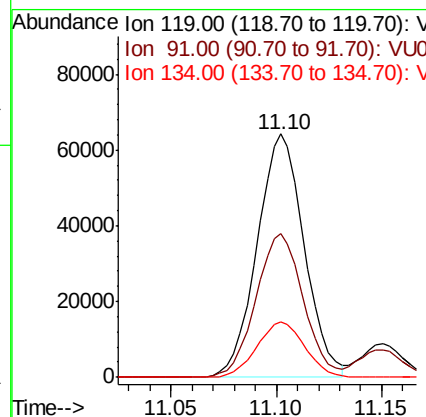
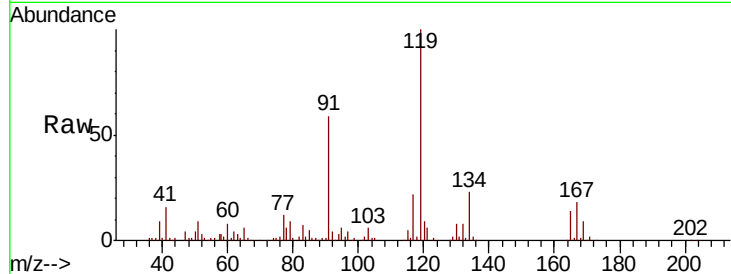
#83
 tert-Butylbenzene
 Concen: 19.961 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	99512		
91	59.4	29.8	89.4	
134	23.2	11.5	34.4	

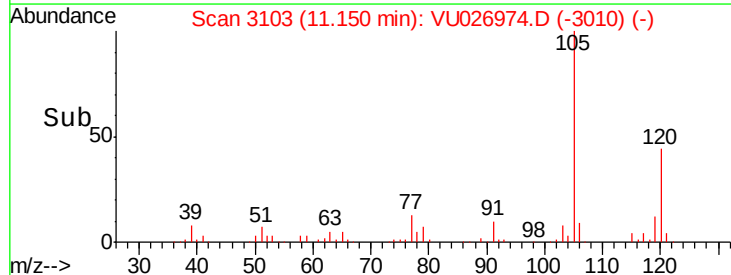
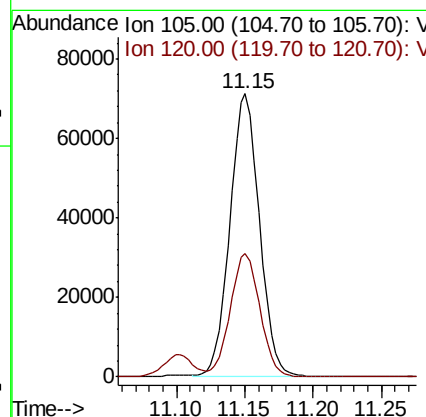
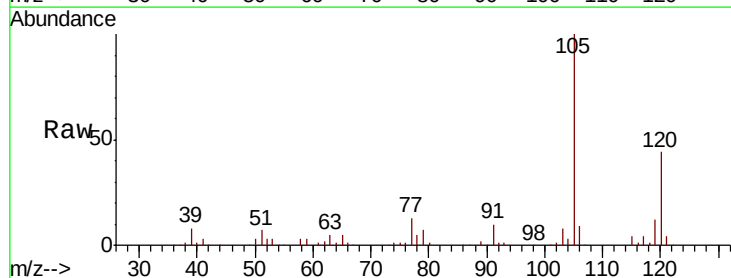
Manual Integrations
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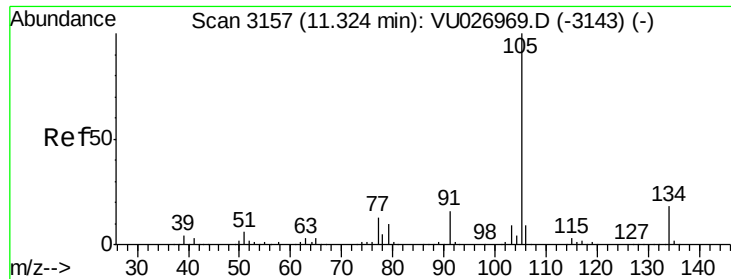
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.970 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	107610		
120	43.7	22.4	67.2	





#85

sec-Butylbenzene

Concen: 20.370 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

Tot Ion:105 Resp: 123961

Ion Ratio Lower Upper

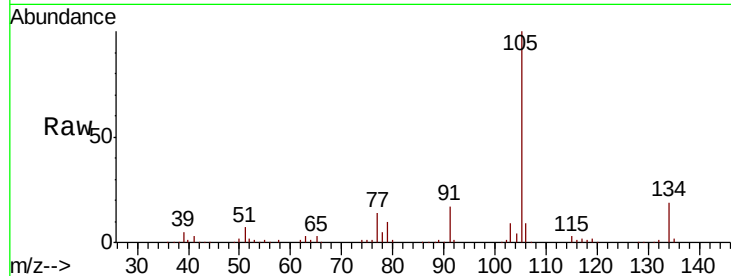
105 100

134 19.3 9.4 28.2

Manual Integrations
APPROVED

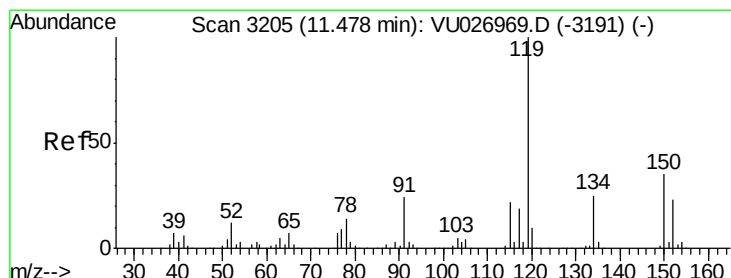
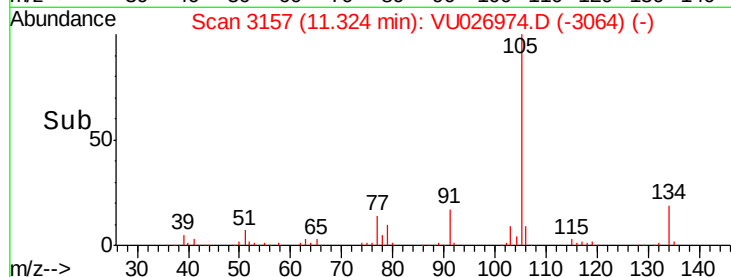
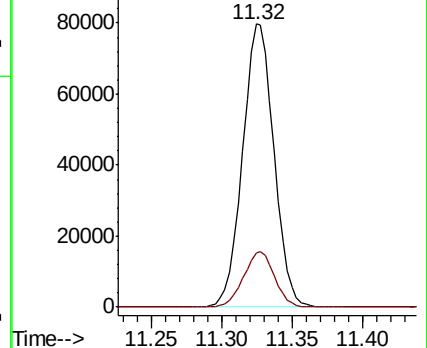
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.356 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

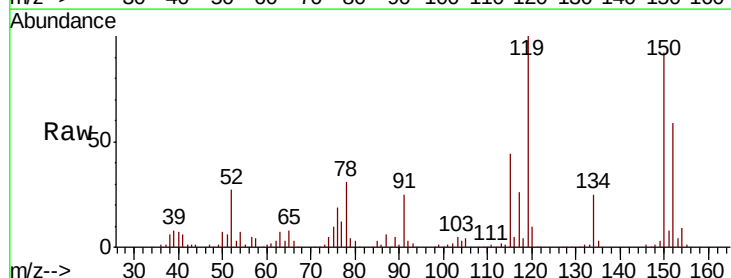
Tgt Ion:119 Resp: 107223

Ion Ratio Lower Upper

119 100

134 25.0 12.8 38.3

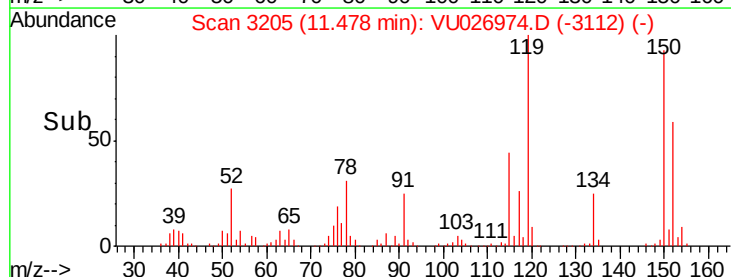
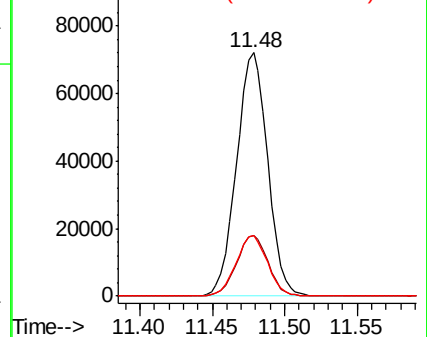
91 25.0 12.3 36.8

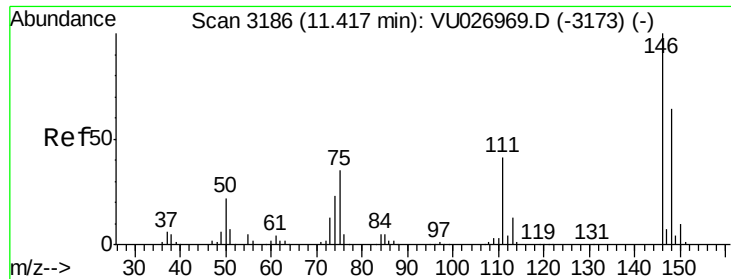


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





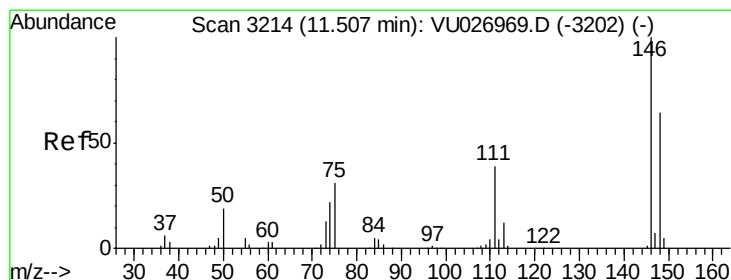
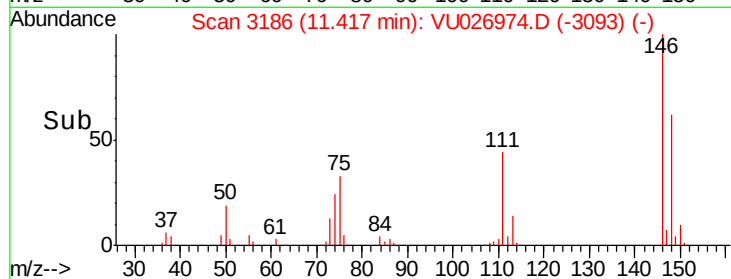
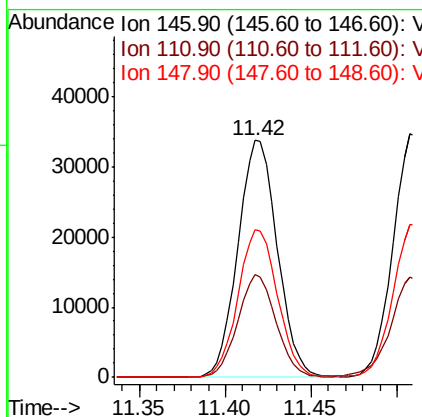
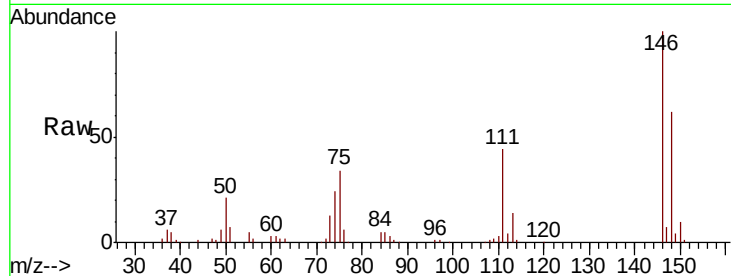
#87
 1,3-Dichlorobenzene
 Concen: 19.341 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.2
148	62.7	32.0	96.2

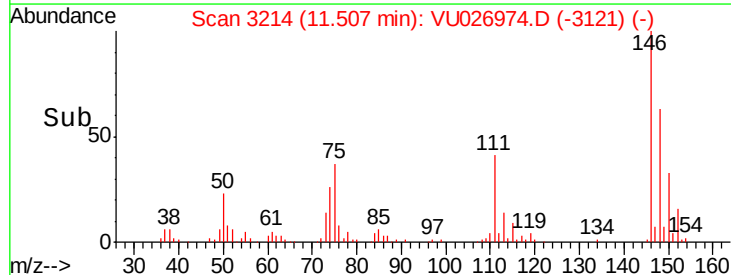
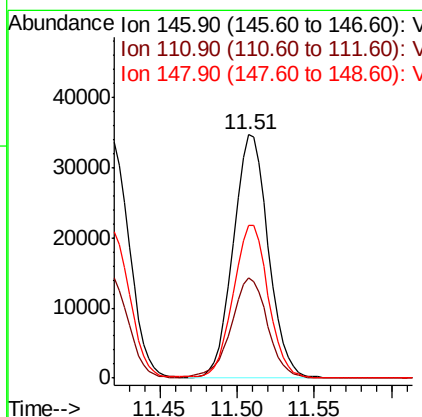
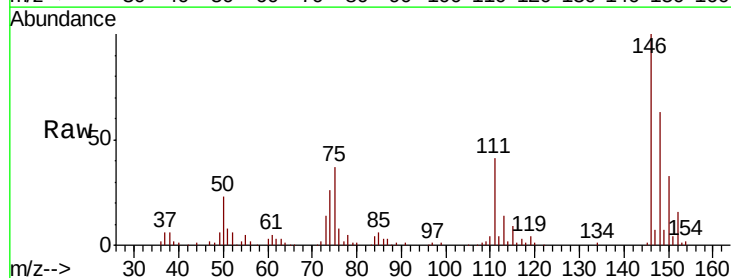
Manual Integrations
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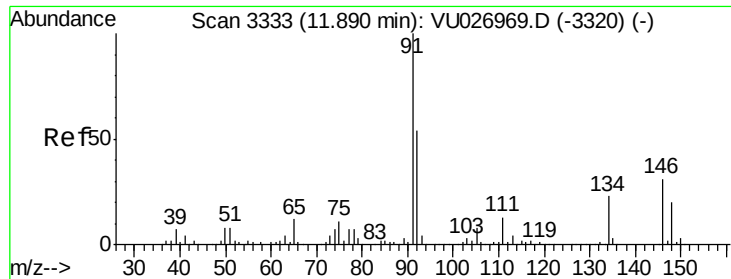
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 9/24/2018 2:14:11 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.029 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.3	60.9
148	63.1	31.9	95.9





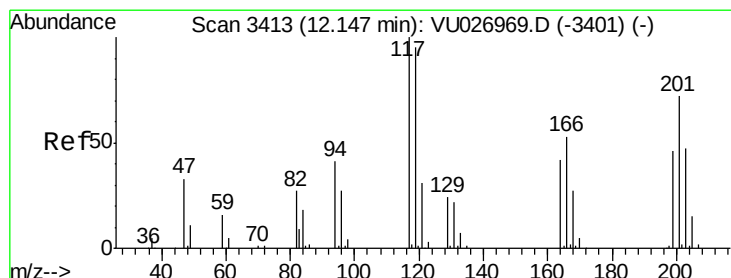
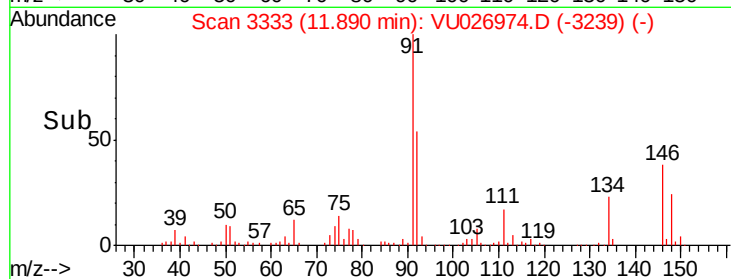
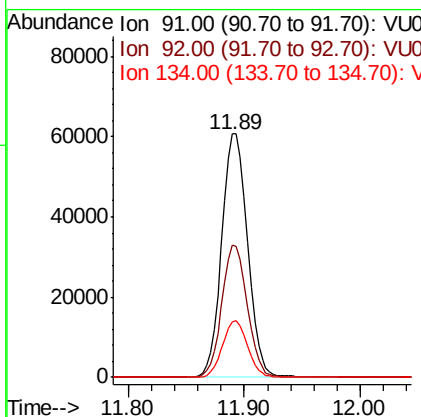
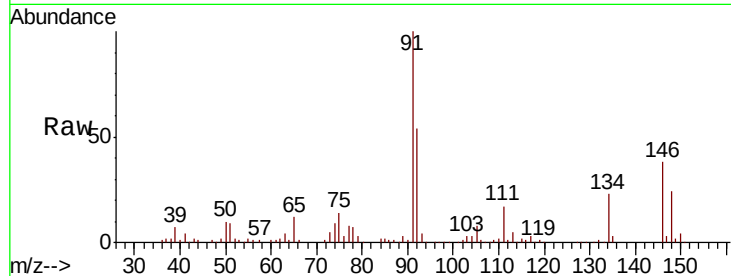
#89
n-Butylbenzene
Concen: 18.469 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.1	81.2
134	22.4	11.7	35.0

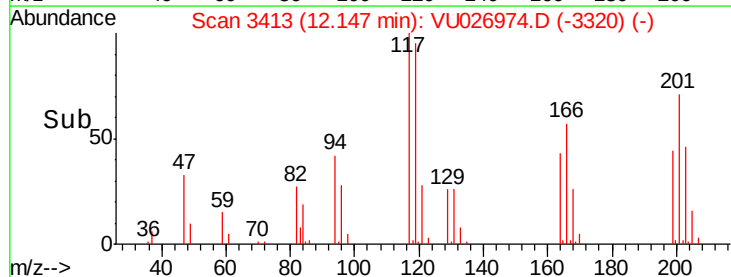
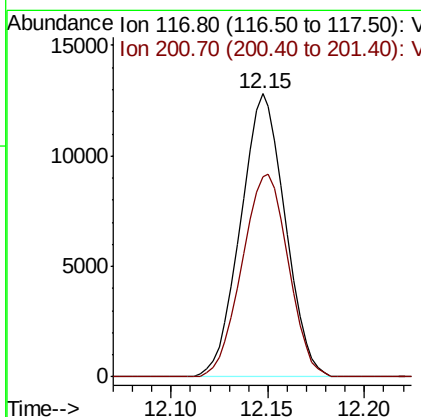
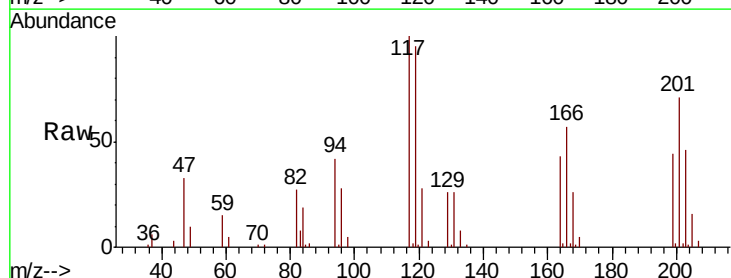
Manual Integrations
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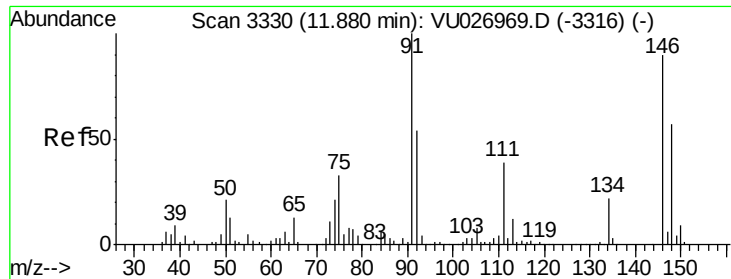
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#90
Hexachloroethane
Concen: 18.563 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.2	36.8	110.3





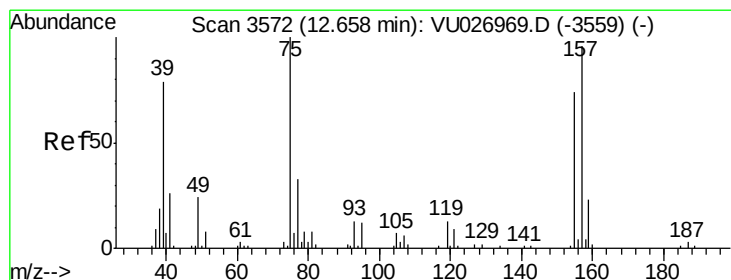
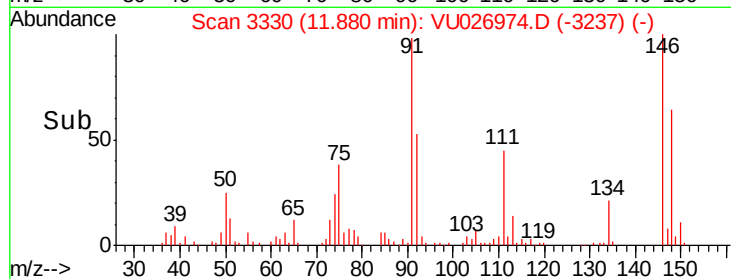
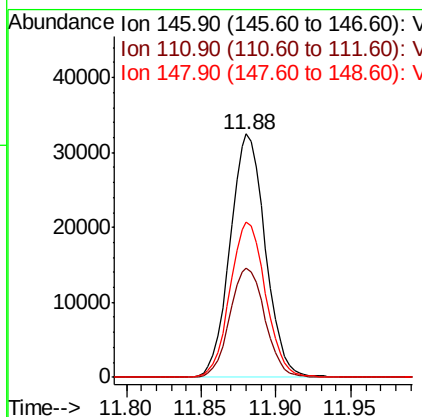
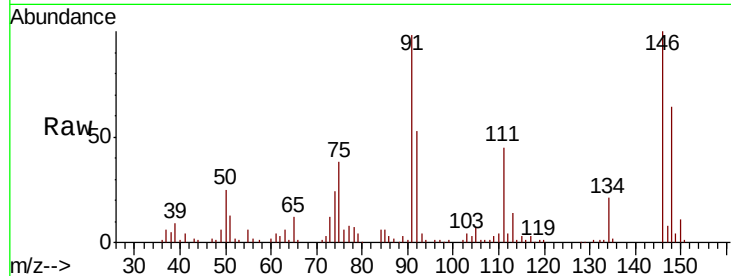
#91
 1,2-Dichlorobenzene
 Concen: 18.042 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.8	65.3
148	64.3	31.9	95.7

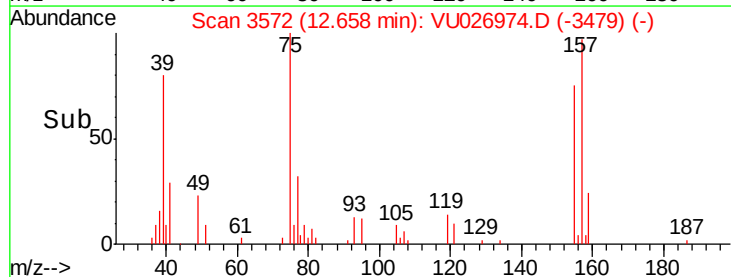
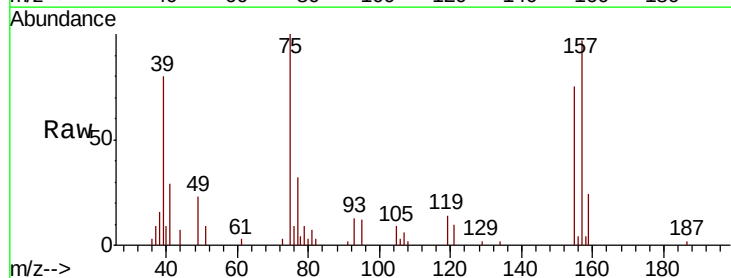
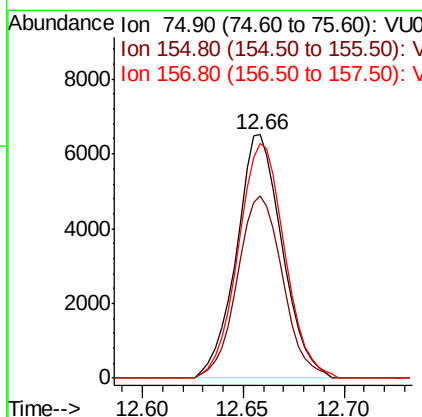
Manual Integrations
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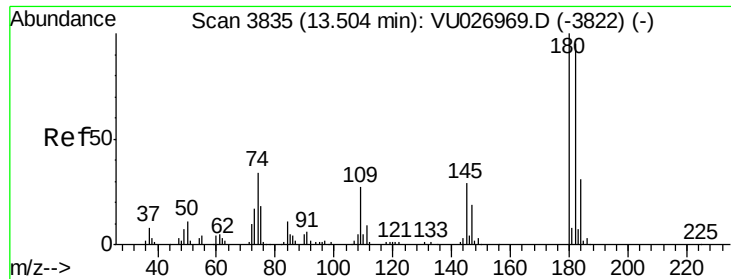
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.094 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	36.6	109.8
157	97.8	47.4	142.2





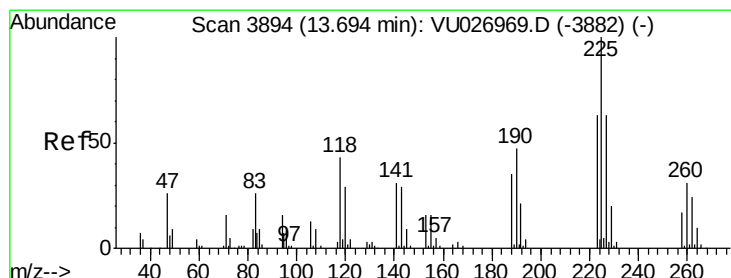
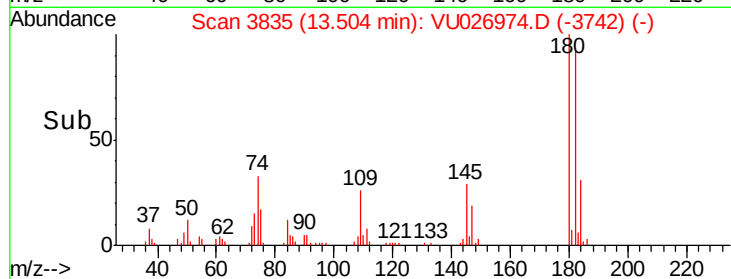
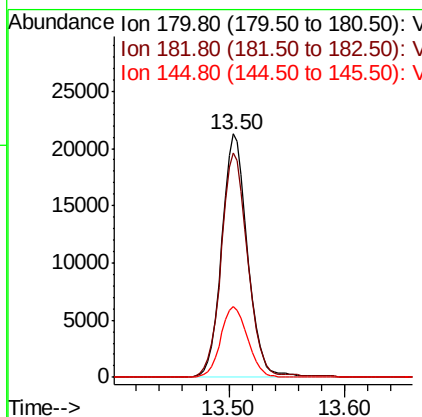
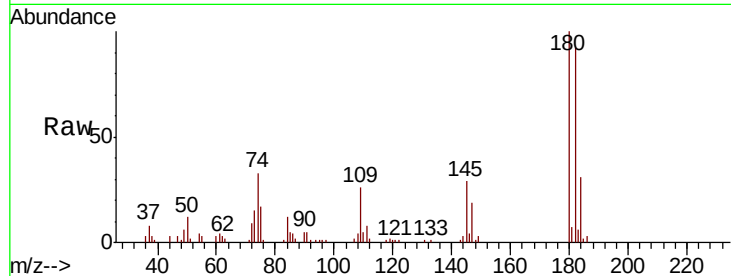
#93
 1,2,4-Trichlorobenzene
 Concen: 19.252 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	32736		
182	93.7	47.4	142.2	
145	30.1	14.9	44.5	

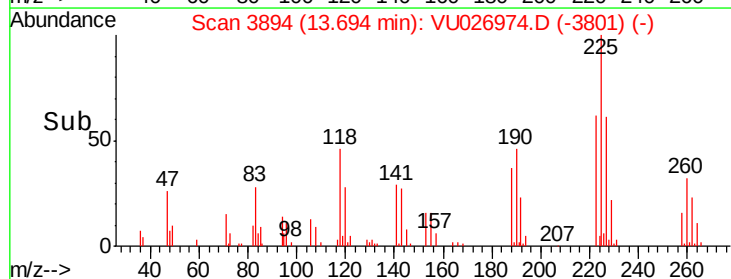
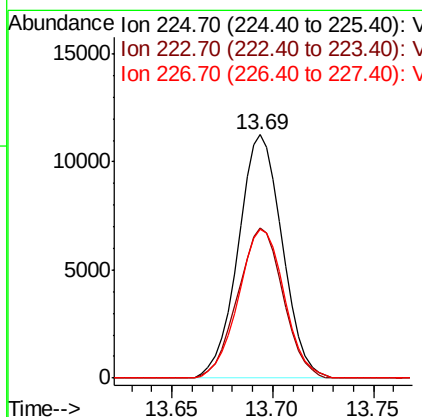
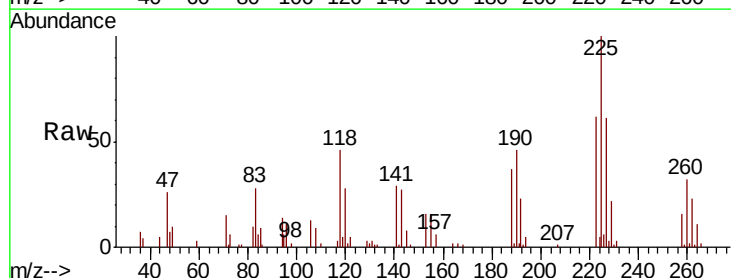
Manual Integrations
 APPROVED

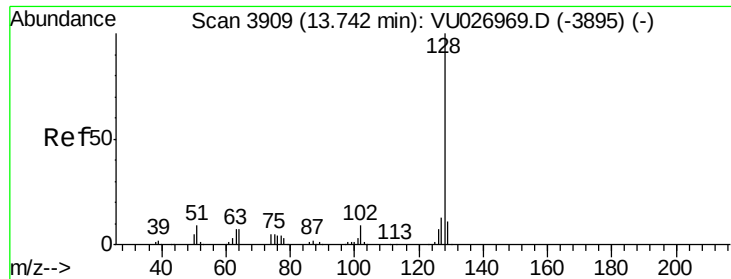
MMDadoda
 9/24/2018 2:14:11 PM



#94
 Hexachlorobutadiene
 Concen: 19.183 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	17259		
223	63.3	31.9	95.7	
227	63.5	32.1	96.5	





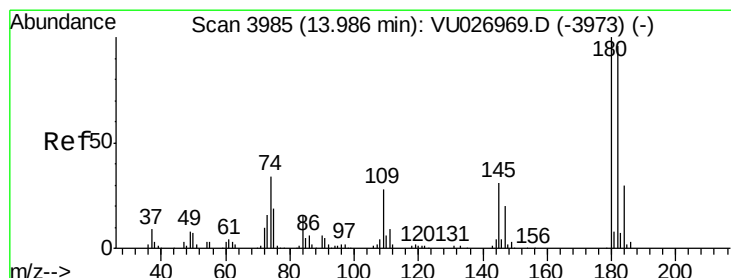
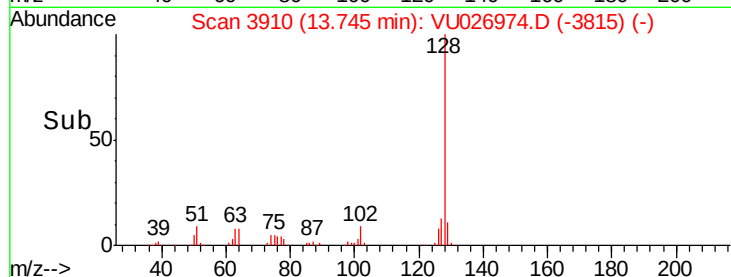
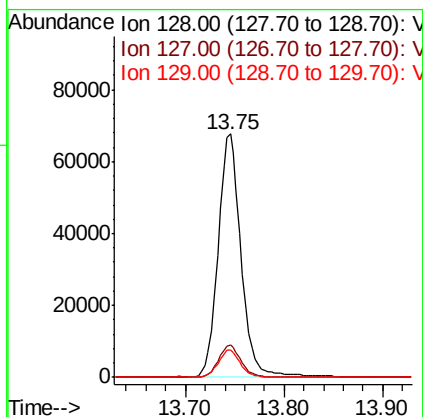
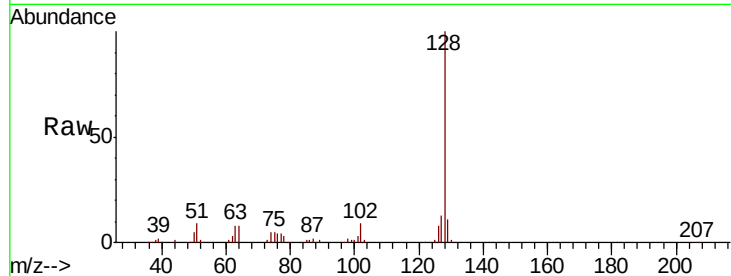
#95
Naphthalene
Concen: 17.782 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.7	8.6	12.8

Manual Integrations
APPROVED

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9/24/2018 2:14:11 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.579 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.5	142.5
145	31.6	15.4	46.4

