

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110218\
 Data File : VU027913.D
 Acq On : 02 Nov 2018 10:09
 Operator : MD/SY
 Sample : VU1102WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 11:29:14 AM

Quant Time: Nov 03 04:17:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	133317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	225540	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	204305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94854	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	69293	34.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.92%	
35) Dibromofluoromethane	4.88	113	51203	36.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.02%	
50) Toluene-d8	7.57	98	193365	35.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.40%	
62) 4-Bromofluorobenzene	10.31	95	68865	33.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	28122	16.601	ug/l	100
3) Chloromethane	1.33	50	33970	16.581	ug/l	97
4) Vinyl Chloride	1.40	62	32860	16.160	ug/l	100
5) Bromomethane	1.63	94	15255	20.524	ug/l	98
6) Chloroethane	1.70	64	19514	16.653	ug/l	96
7) Trichlorofluoromethane	1.89	101	38549	16.406	ug/l	99
8) Diethyl Ether	2.11	74	16292	16.193	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	23043	16.508	ug/l	99
10) Methyl Iodide	2.41	142	13192	16.453	ug/l	99
11) Tert butyl alcohol	2.83	59	41806	79.672	ug/l	99
12) 1,1-Dichloroethene	2.28	96	21649	15.494	ug/l	96
13) Acrolein	2.20	56	11351	53.468	ug/l	92
14) Allyl chloride	2.59	41	52011	15.231	ug/l	98
15) Acrylonitrile	2.94	53	102044	79.169	ug/l	99
16) Acetone	2.32	43	101838	82.811	ug/l	97
17) Carbon Disulfide	2.48	76	73130	16.013	ug/l	99
18) Methyl Acetate	2.62	43	50608	14.960	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	89344	15.856	ug/l	97
20) Methylene Chloride	2.70	84	28343	15.785	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	24253	15.041	ug/l	96
22) Diisopropyl ether	3.57	45	107842	15.296	ug/l #	88
23) Vinyl Acetate	3.53	43	476137	78.582	ug/l	100
24) 1,1-Dichloroethane	3.45	63	53837	15.331	ug/l	99
25) 2-Butanone	4.27	43	155495	79.479	ug/l	99
26) 2,2-Dichloropropane	4.22	77	41742	15.839	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	29919	16.546	ug/l	97
28) Bromochloromethane	4.55	49	23698	14.395	ug/l	100
29) Tetrahydrofuran	4.64	42	100102	76.625	ug/l	99
30) Chloroform	4.67	83	49106	15.251	ug/l	92
31) Cyclohexane	5.00	56	55119	14.805	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	39804	15.530	ug/l	97
36) 1,1-Dichloropropene	5.14	75	37286	15.785	ug/l	98
37) Ethyl Acetate	4.39	43	54409	15.720	ug/l	99
38) Carbon Tetrachloride	5.13	117	33517	16.011	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	46591	16.353	ug/l	100
40) Benzene	5.39	78	114993	15.923	ug/l	98
41) Methacrylonitrile	4.55	41	30196	16.348	ug/l	98
42) 1,2-Dichloroethane	5.41	62	40796	15.892	ug/l	100
43) Isopropyl Acetate	5.55	43	86090	15.876	ug/l	99
44) Trichloroethene	6.19	130	25115	16.178	ug/l	96
45) 1,2-Dichloropropane	6.43	63	33644	16.153	ug/l	96
46) Dibromomethane	6.57	93	19281	16.105	ug/l	96
47) Bromodichloromethane	6.76	83	36368	15.763	ug/l	94
48) Methyl methacrylate	6.63	41	41520	15.625	ug/l	98
49) 1,4-Dioxane	6.61	88	15624	360.388	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	281502	77.735	ug/l	99
52) Toluene	7.64	92	66714	15.713	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	41978	15.462	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	45808	16.106	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	27799	16.093	ug/l	97
56) Ethyl methacrylate	8.02	69	46609	15.301	ug/l	96
57) 1,3-Dichloropropane	8.24	76	49626	15.771	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	97205	59.581	ug/l	100
59) 2-Hexanone	8.36	43	218677	78.075	ug/l	99
60) Dibromochloromethane	8.48	129	25604	15.664	ug/l	97
61) 1,2-Dibromoethane	8.59	107	29439	16.039	ug/l	99
64) Tetrachloroethene	8.23	164	21367	16.129	ug/l	95
65) Chlorobenzene	9.12	112	68935	15.970	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	24264	16.458	ug/l	99
67) Ethyl Benzene	9.25	91	126496	15.921	ug/l	99
68) m/p-Xylenes	9.38	106	92801	32.191	ug/l	99
69) o-Xylene	9.78	106	45924	15.776	ug/l	98
70) Styrene	9.79	104	74310	15.976	ug/l	99
71) Bromoform	9.96	173	18139	14.680	ug/l #	97
73) Isopropylbenzene	10.17	105	122669	16.694	ug/l	99
74) N-amyl acetate	10.02	43	72851	16.395	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	48547	16.379	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	42307m	16.306	ug/l	
77) Bromobenzene	10.45	156	29125	17.285	ug/l	98
78) n-propylbenzene	10.59	91	142401	16.190	ug/l	100
79) 2-Chlorotoluene	10.66	91	85258	16.171	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	100305	16.478	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	12984m	12.692	ug/l	
82) 4-Chlorotoluene	10.77	91	95816	16.008	ug/l	99
83) tert-Butylbenzene	11.10	119	98532	16.191	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	102742	16.762	ug/l	100
85) sec-Butylbenzene	11.32	105	122469	16.548	ug/l	99
86) p-Isopropyltoluene	11.48	119	100631	16.265	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	49815	16.004	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	49680	15.572	ug/l	95
89) n-Butylbenzene	11.89	91	90610	15.410	ug/l	100
90) Hexachloroethane	12.15	117	17340	15.742	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	50811	16.233	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10343	16.560	ug/l	95

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Manual Integrations
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MMDadoda
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Quant Time: Nov 03 04:17:07 2018
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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	32083	15.099	ug/l	94
94) Hexachlorobutadiene	13.69	225	17017	17.105	ug/l	97
95) Naphthalene	13.75	128	111144	14.155	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	33481	15.940	ug/l	99

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

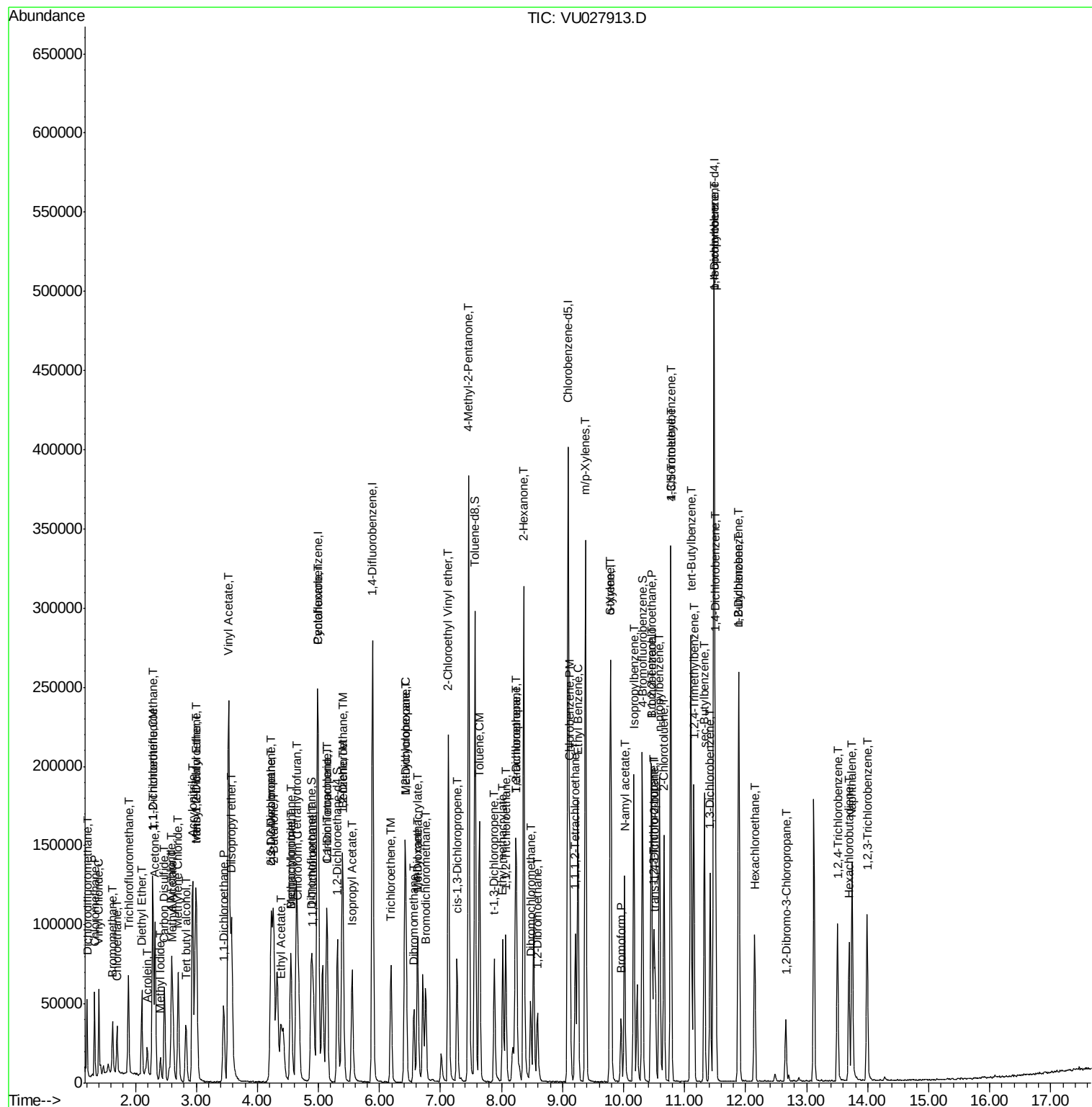
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Data File : VU027913.D
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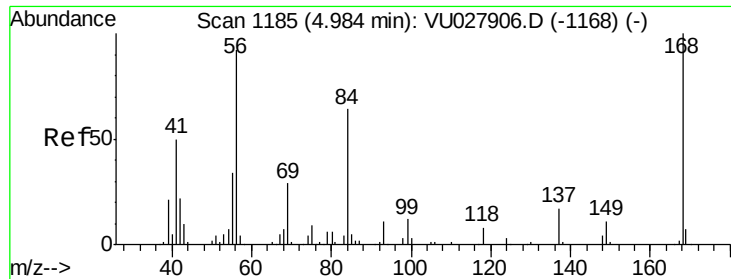
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion:168 Resp: 133317

Ion Ratio Lower Upper

168 100

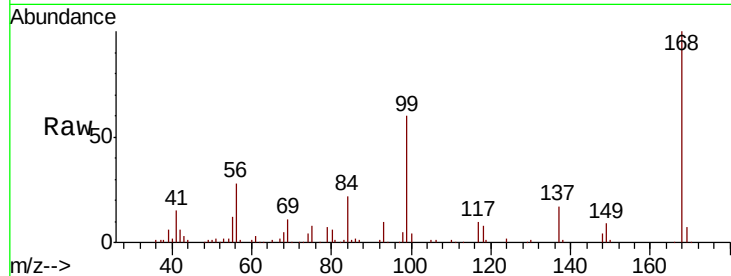
99 59.6 47.9 71.9

Manual Integrations

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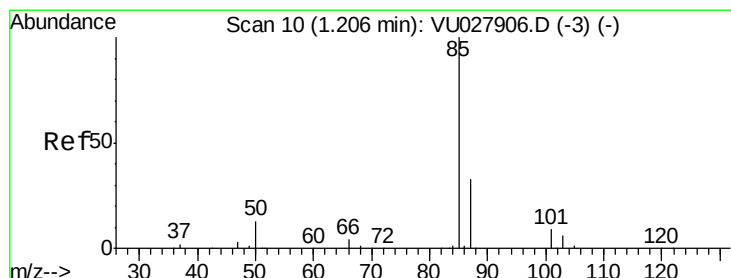
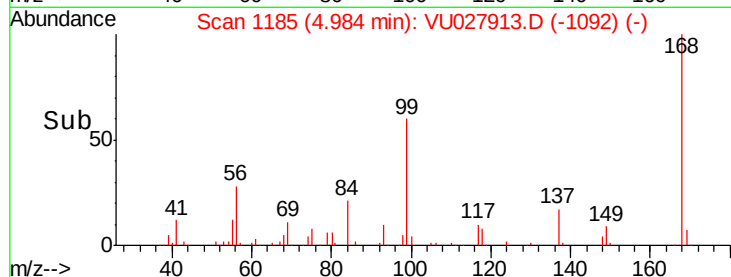
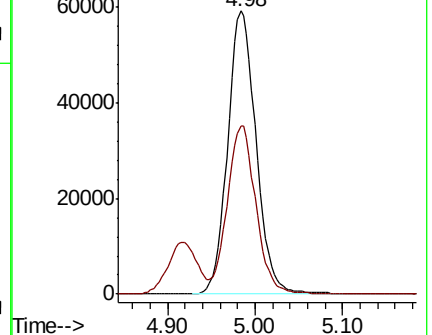
MMDadoda

11/5/2018 11:29:14 AM



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 16.601 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027913.D

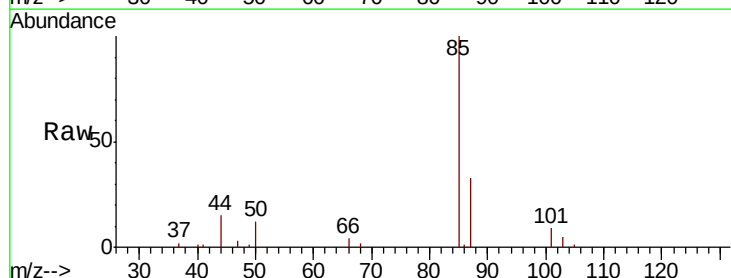
Acq: 02 Nov 2018 10:09

Tgt Ion: 85 Resp: 28122

Ion Ratio Lower Upper

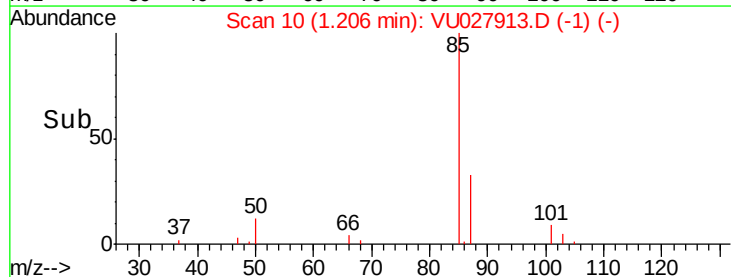
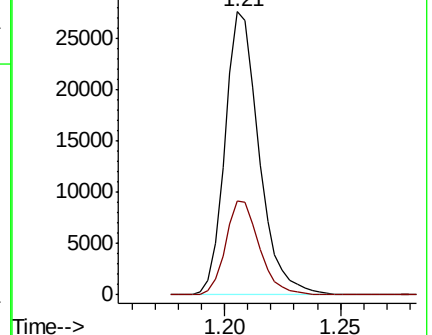
85 100

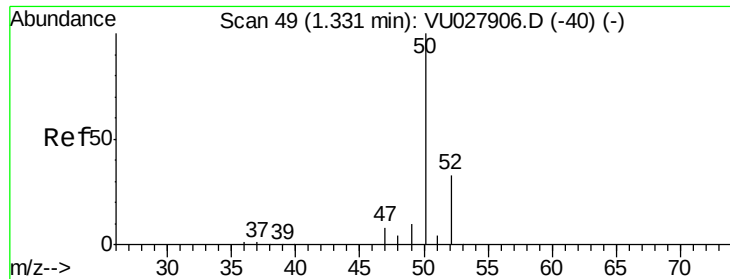
87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)





#3

Chloromethane

Concen: 16.581 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 50 Resp: 33970

Ion Ratio Lower Upper

50 100

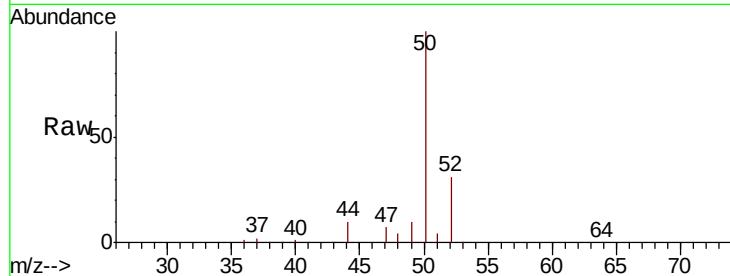
52 31.0 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU027913.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU027913.D (-1) (-)

1.33

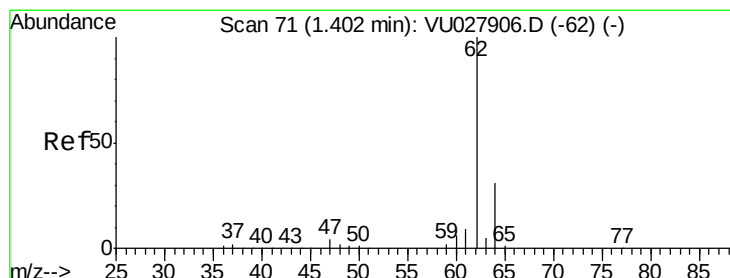
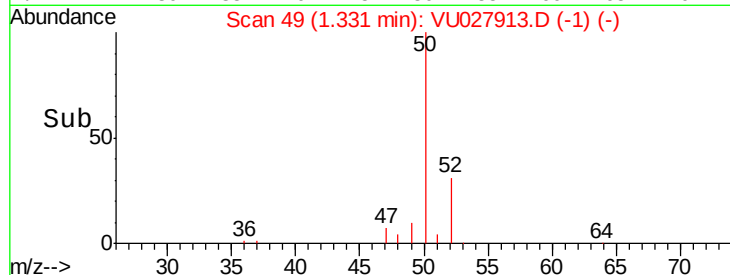
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 16.160 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027913.D

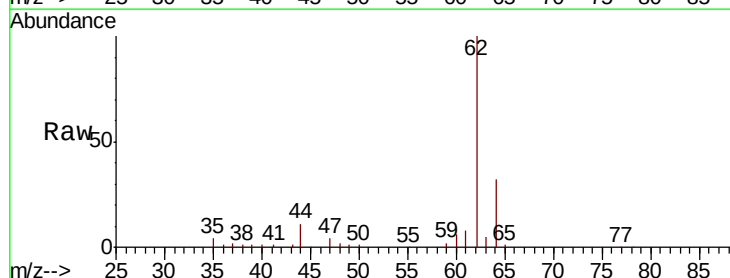
Acq: 02 Nov 2018 10:09

Tgt Ion: 62 Resp: 32860

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027913.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU027913.D (-1) (-)

1.40

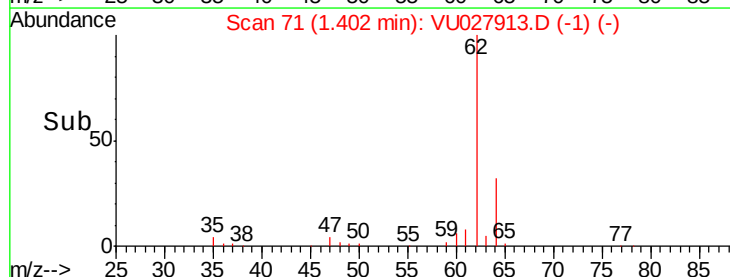
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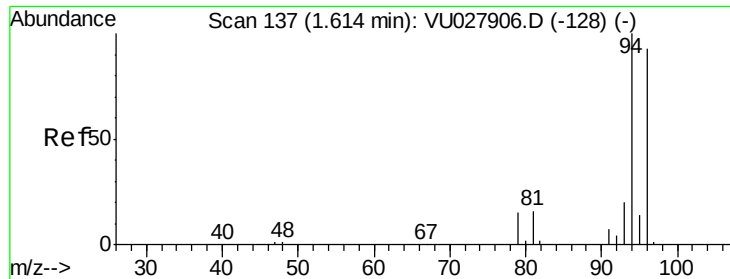
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10000

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Time-->





#5

Bromomethane

Concen: 20.524 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 94 Resp: 15255

Ion Ratio Lower Upper

94 100

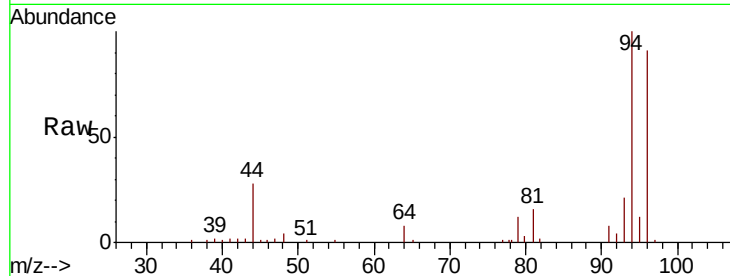
96 91.2 74.8 112.2

Manual Integrations

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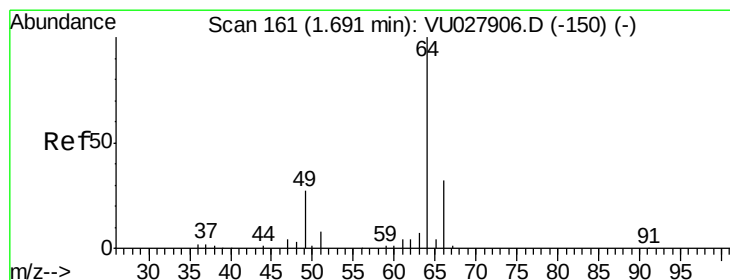
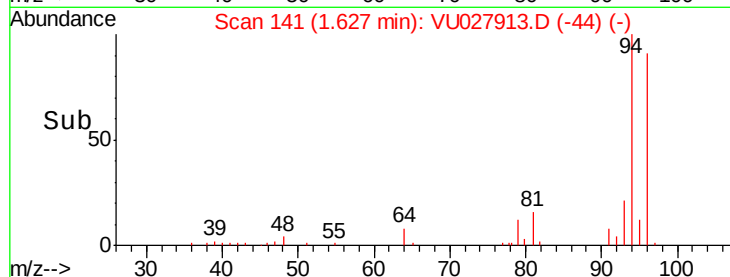
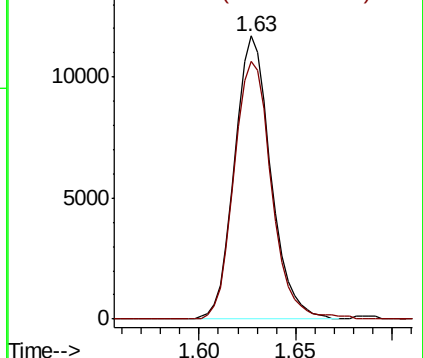
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 16.653 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU027913.D

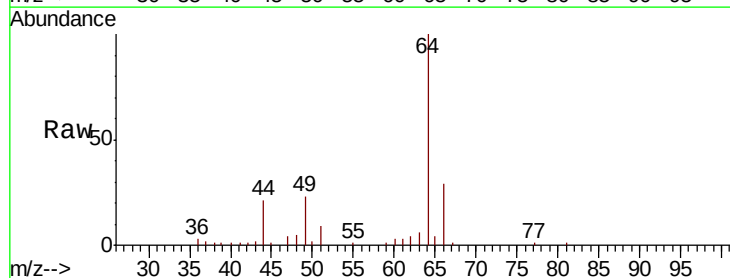
Acq: 02 Nov 2018 10:09

Tgt Ion: 64 Resp: 19514

Ion Ratio Lower Upper

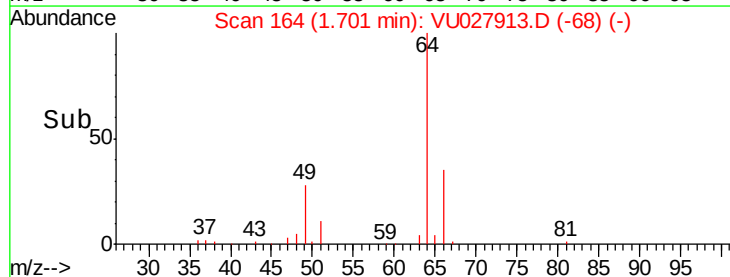
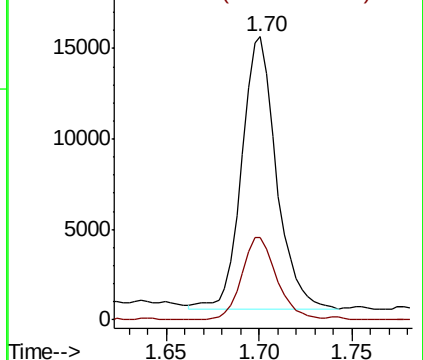
64 100

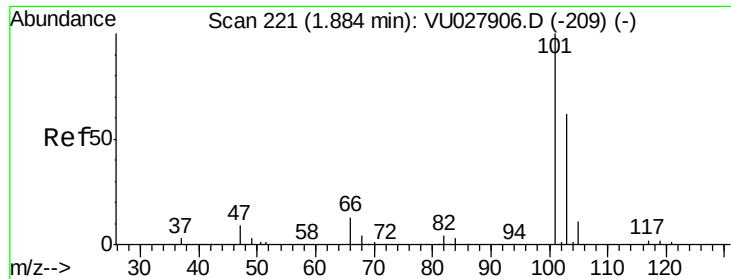
66 30.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

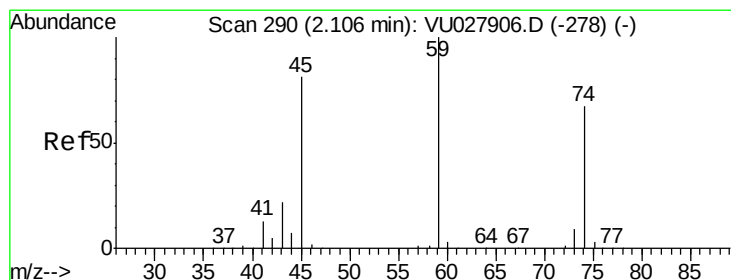
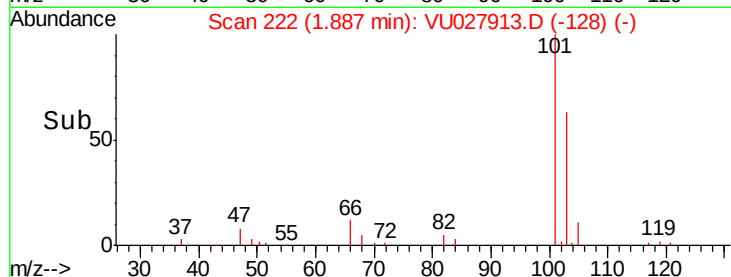
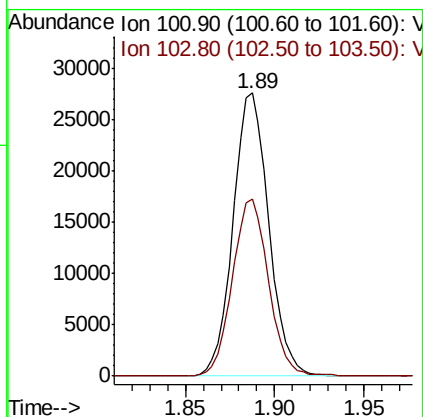
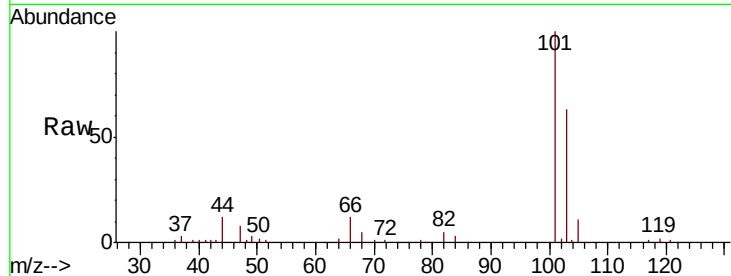
Trichlorofluoromethane
Concen: 16.406 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
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ClientSampleId :
VU1102WBS01

Tot Ion:101 Resp: 38549
Ion Ratio Lower Upper
101 100
103 62.7 49.4 74.2

Manual Integrations
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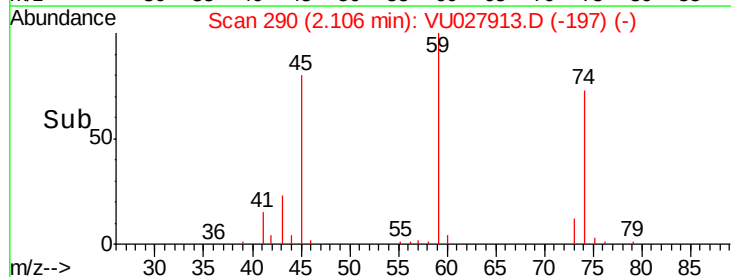
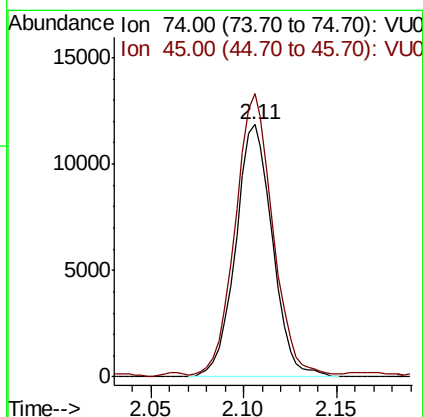
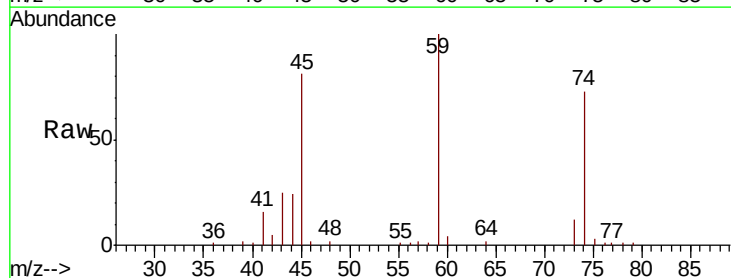
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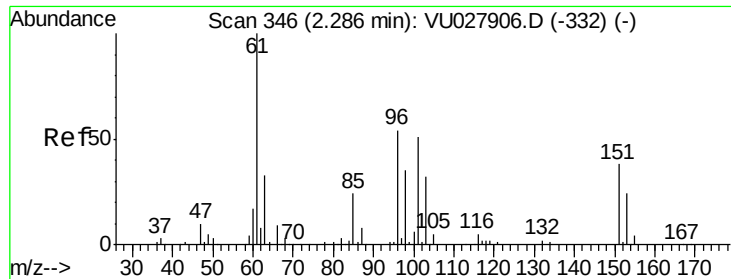


#8

Diethyl Ether
Concen: 16.193 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion: 74 Resp: 16292
Ion Ratio Lower Upper
74 100
45 112.8 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.508 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

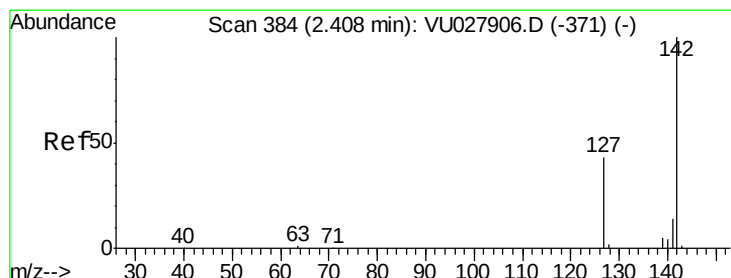
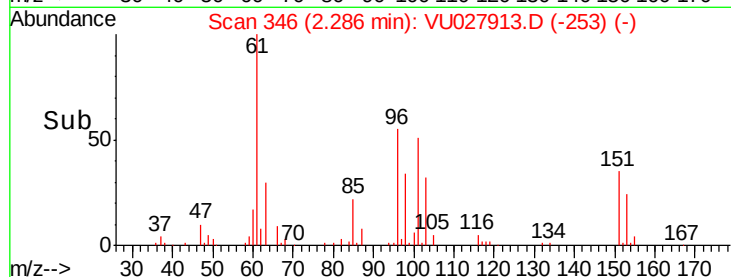
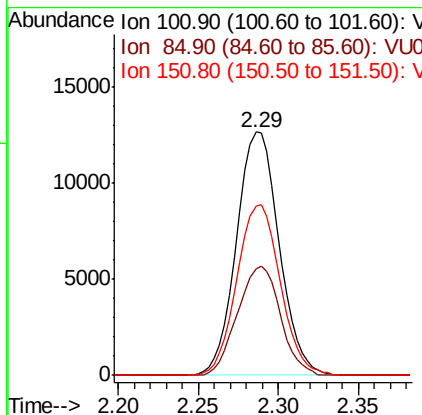
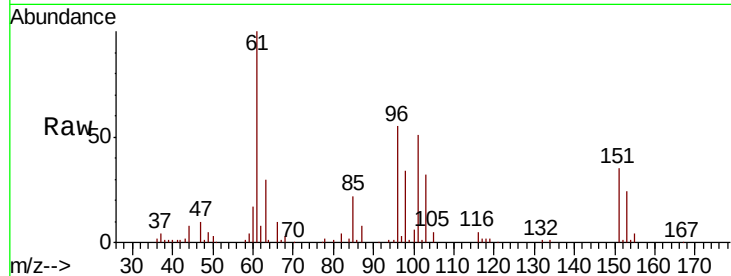
ClientSampleId :

VU1102WBS01

Tot Ion:	101	Resp:	23043
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.9	55.3
151	71.5	58.0	87.0

Manual Integrations
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#10

Methyl Iodide

Concen: 16.453 ug/l

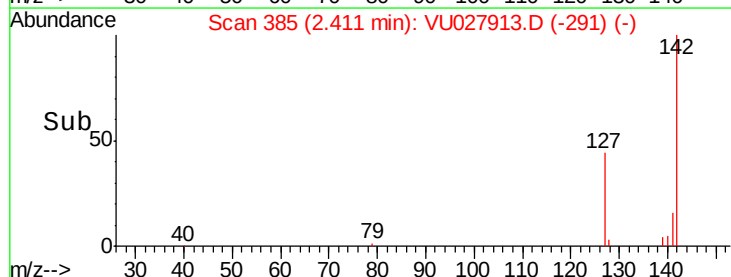
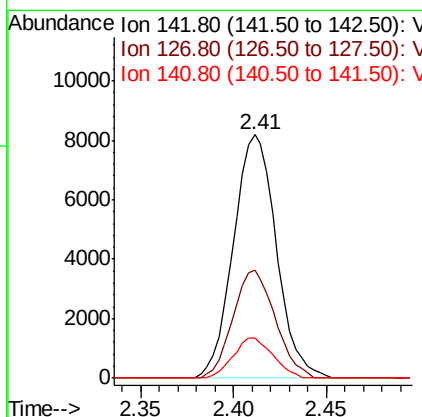
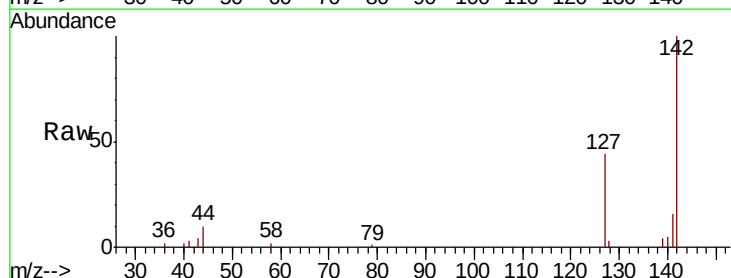
RT: 2.41 min Scan# 385

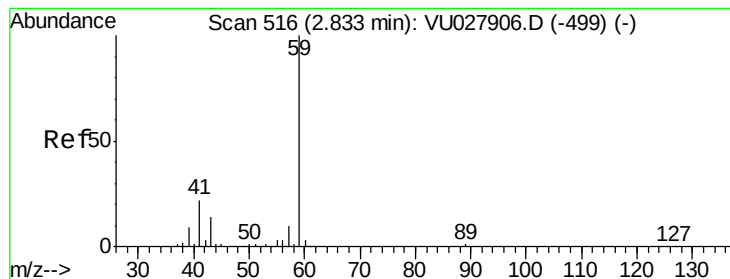
Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Tgt Ion:	142	Resp:	13192
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.2	52.8
141	15.1	11.8	17.8





#11

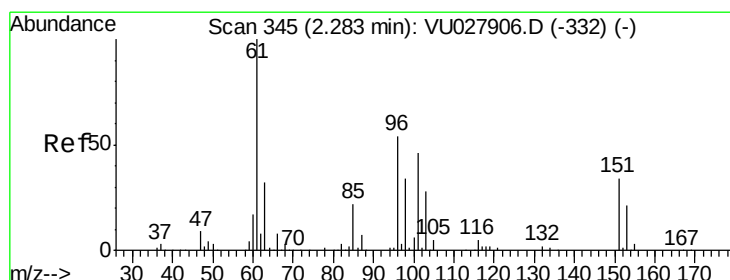
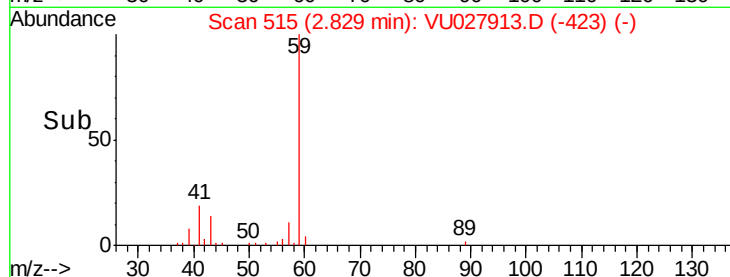
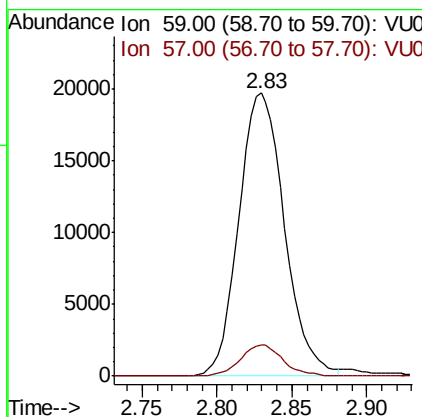
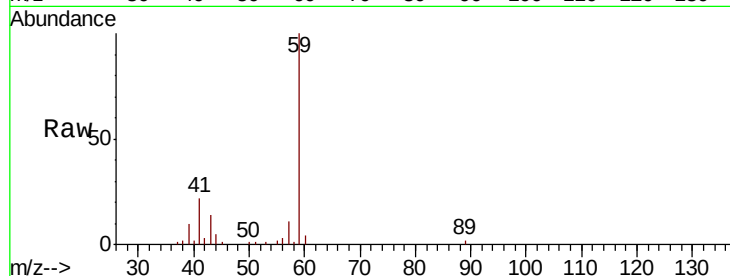
Tert butyl alcohol
Concen: 79.672 ug/l
RT: 2.83 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8

Manual Integrations
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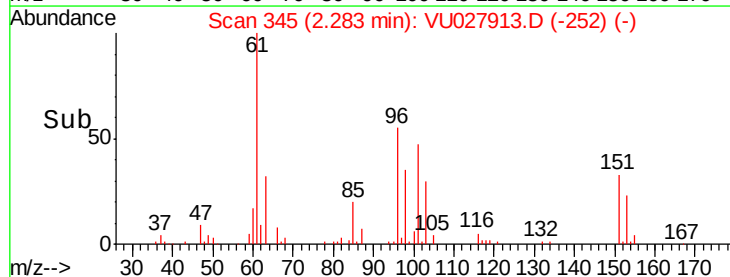
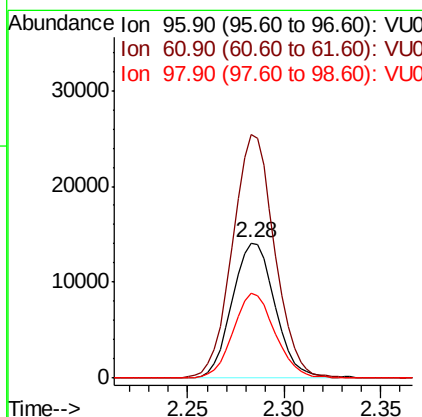
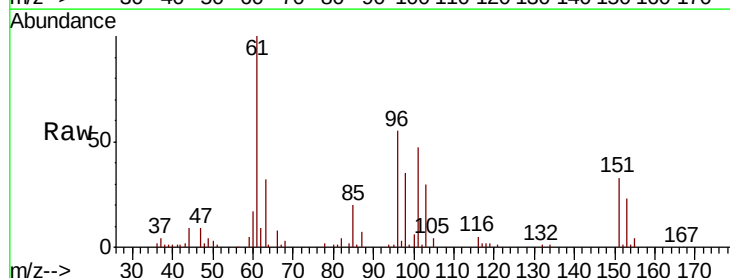
MMDadoda
11/5/2018 11:29:14 AM

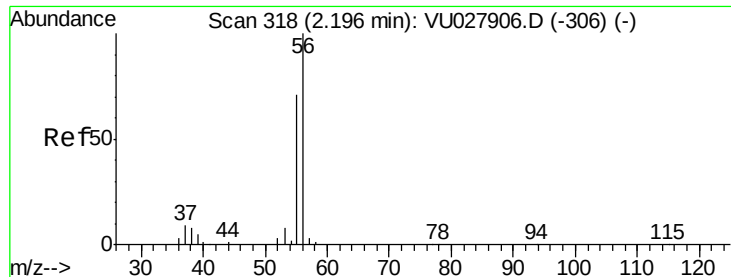


#12

1,1-Dichloroethene
Concen: 15.494 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.8	149.3	223.9
98	62.6	50.6	75.8





#13

Acrolein

Concen: 53.468 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 56 Resp: 11351

Ion Ratio Lower Upper

56 100

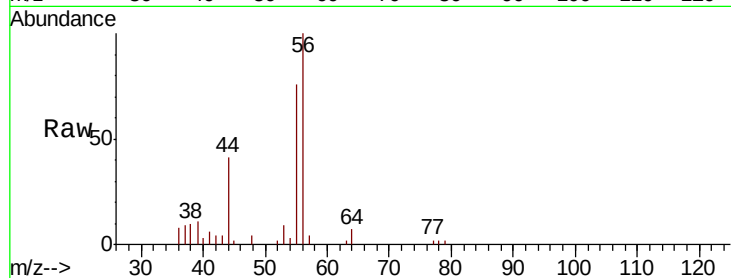
55 77.0 56.2 84.4

Manual Integrations

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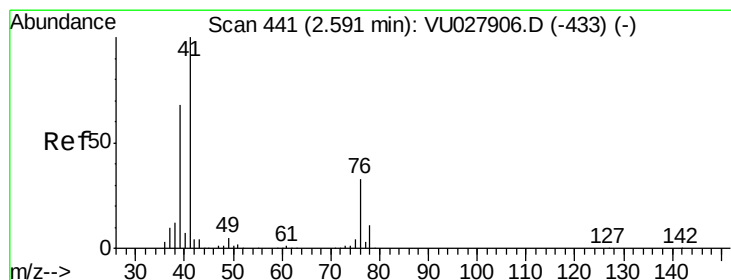
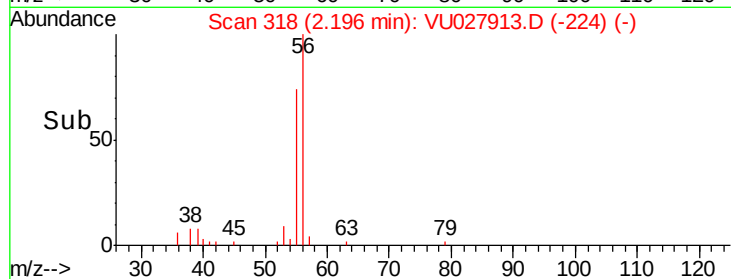
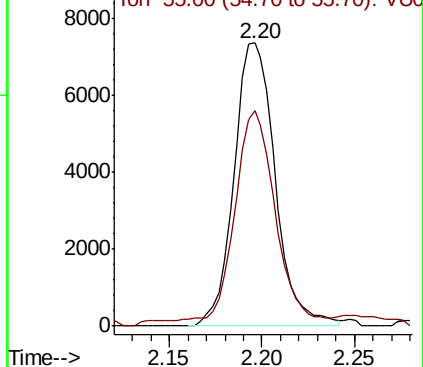
MMDadoda

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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: 15.231 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

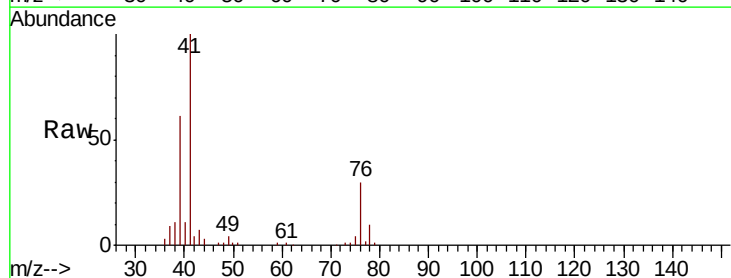
Tgt Ion: 41 Resp: 52011

Ion Ratio Lower Upper

41 100

39 63.6 51.9 77.9

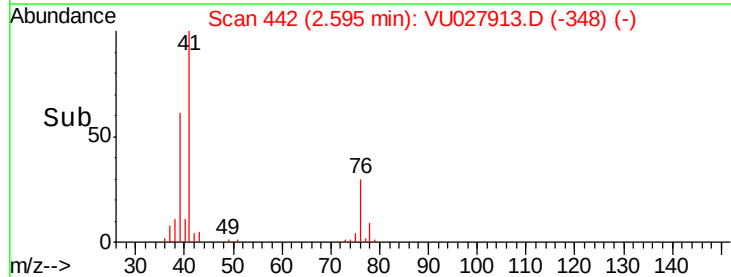
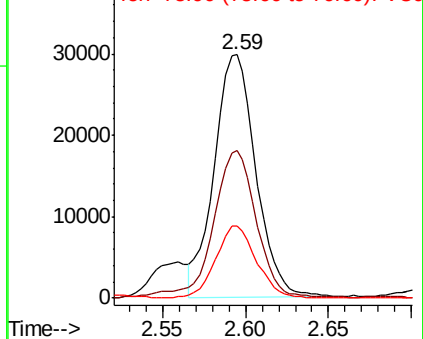
76 28.9 23.8 35.6

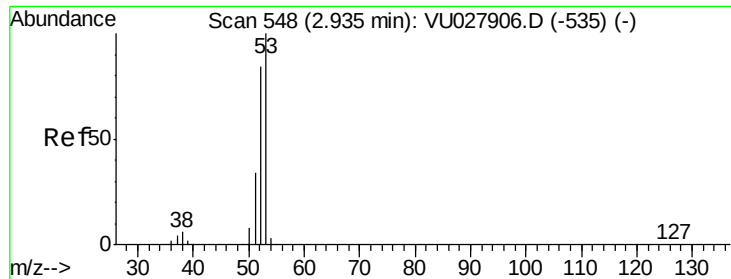


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 79.169 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

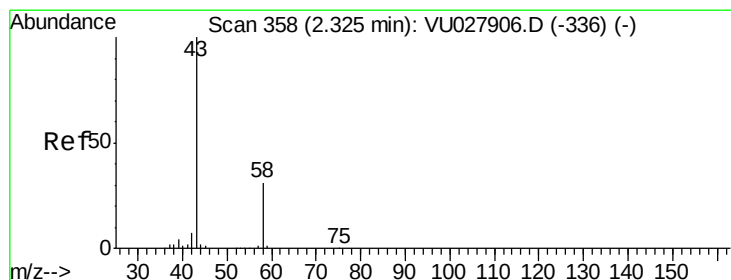
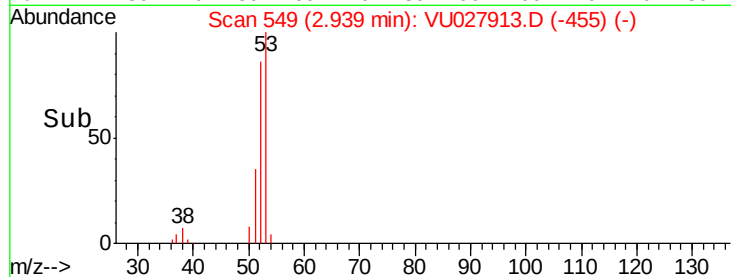
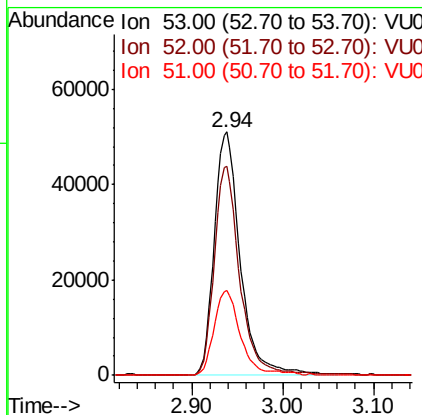
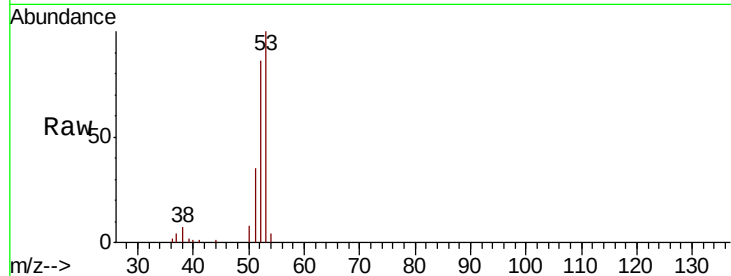
ClientSampleId :

VU1102WBS01

Tot Ion:	53	Resp:	102044
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.2	99.2
51	34.4	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 82.811 ug/l

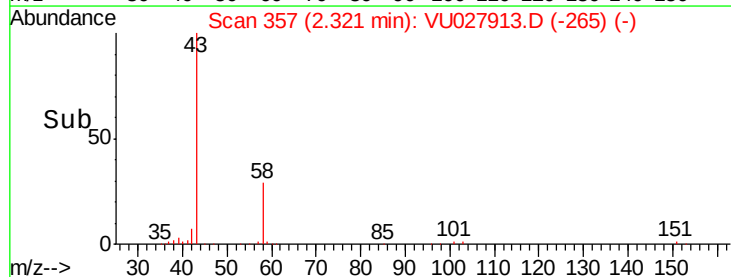
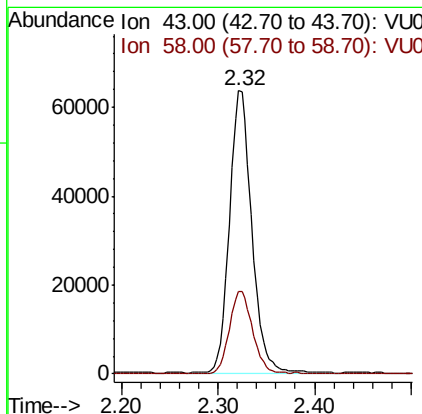
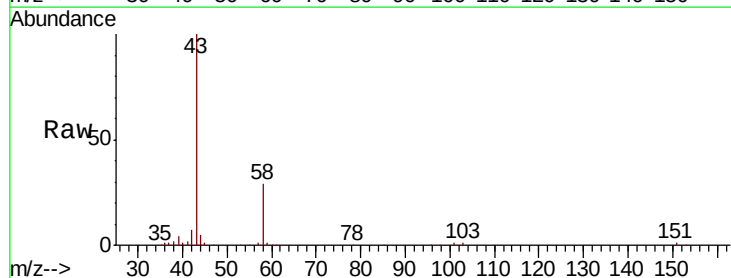
RT: 2.32 min Scan# 357

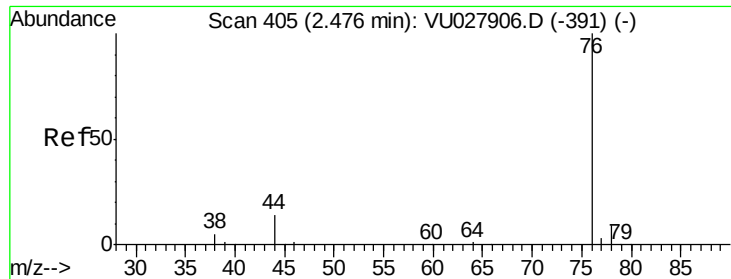
Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Tgt Ion:	43	Resp:	101838
Ion Ratio	Lower	Upper	
43	100		
58	29.1	24.6	37.0





#17

Carbon Disulfide

Concen: 16.013 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 76 Resp: 73130

Ion Ratio Lower Upper

76 100

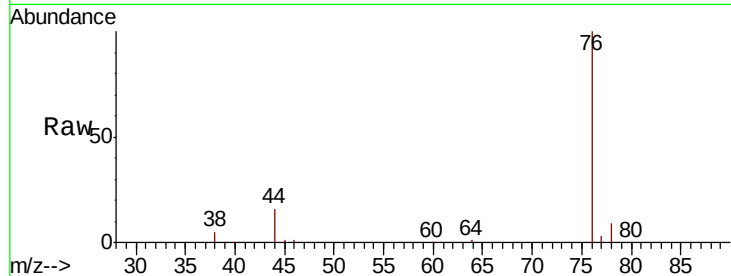
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU027913.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU027913.D (-312) (-)

2.48

50000

40000

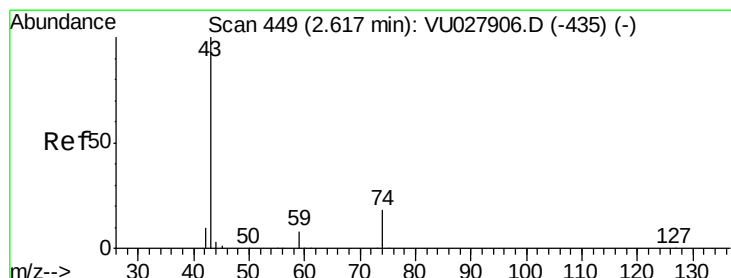
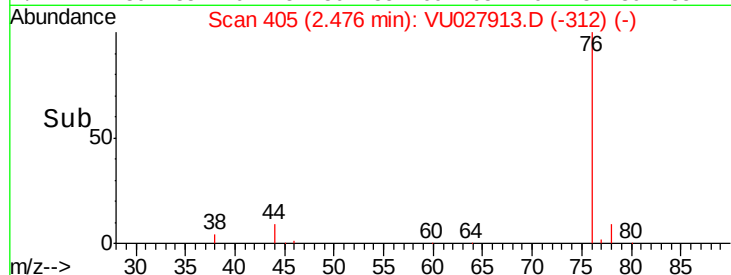
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 14.960 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027913.D

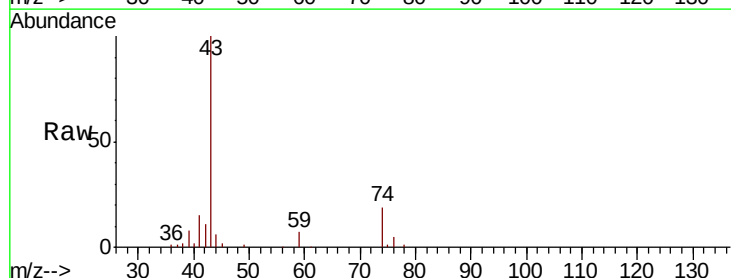
Acq: 02 Nov 2018 10:09

Tgt Ion: 43 Resp: 50608

Ion Ratio Lower Upper

43 100

74 19.0 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU027913.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027913.D (-356) (-)

2.62

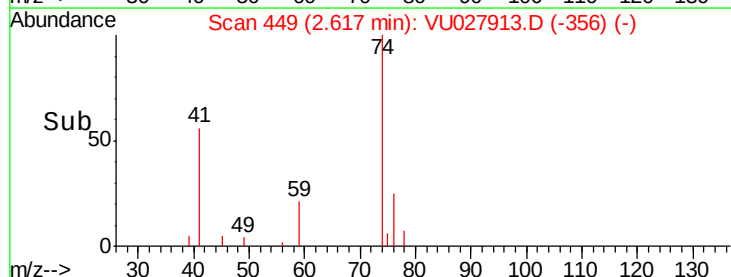
30000

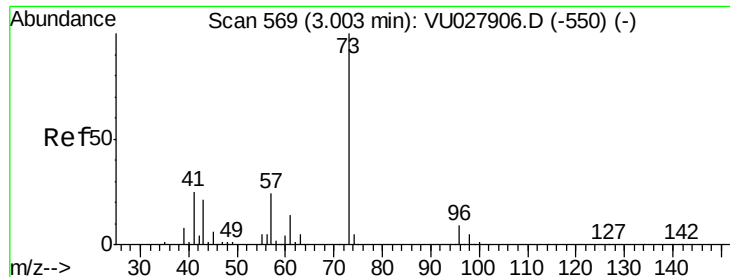
20000

10000

0

Time-->





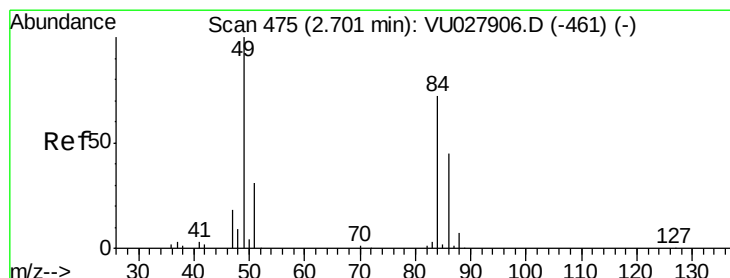
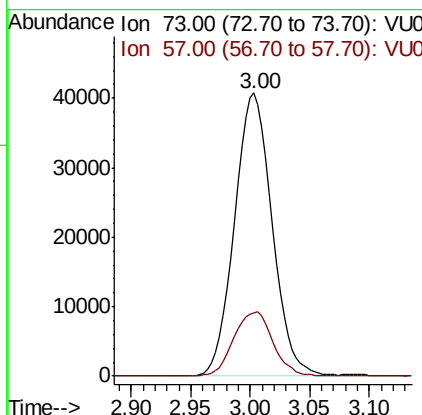
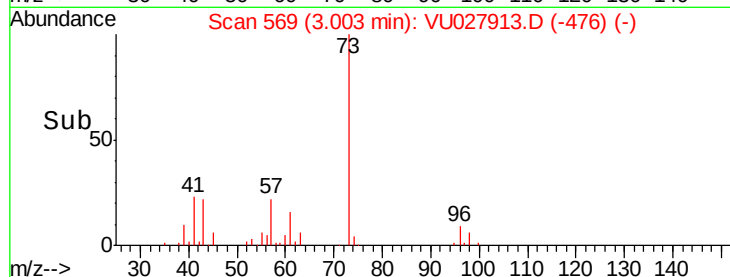
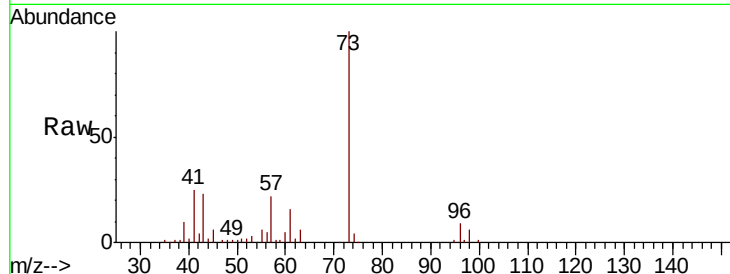
#19
Methyl tert-butyl Ether
Concen: 15.856 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	19.3	28.9

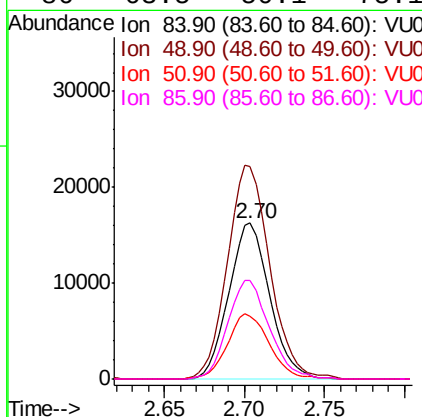
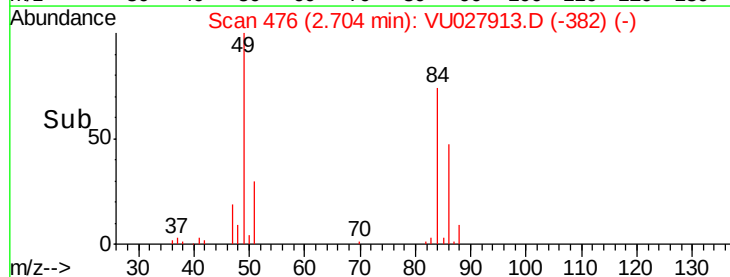
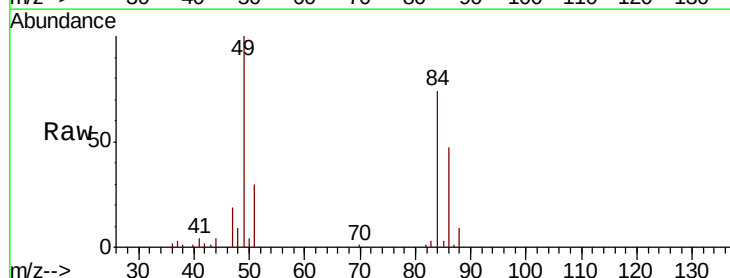
Manual Integrations
APPROVED

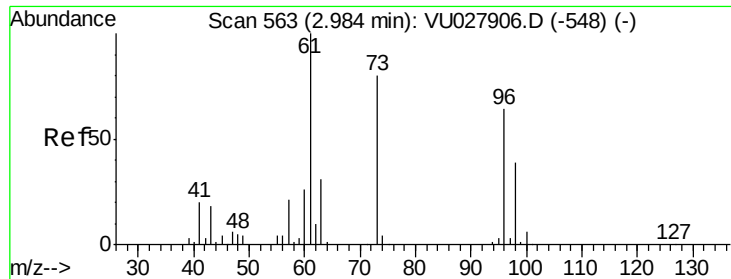
MMDadoda
11/5/2018 11:29:14 AM



#20
Methylene Chloride
Concen: 15.785 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.3	111.6	167.4
51	40.7	34.8	52.2
86	63.5	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 15.041 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 96 Resp: 24253

Ion Ratio Lower Upper

96 100

61 151.3 125.0 187.6

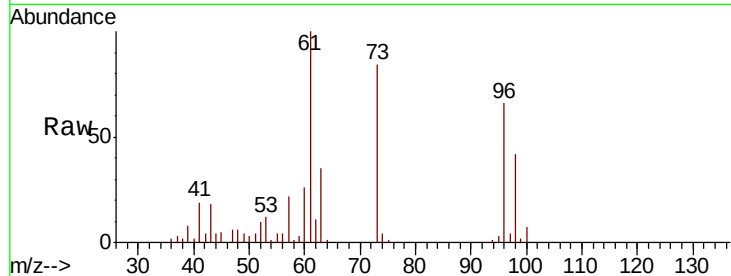
98 64.2 48.2 72.4

Manual Integrations

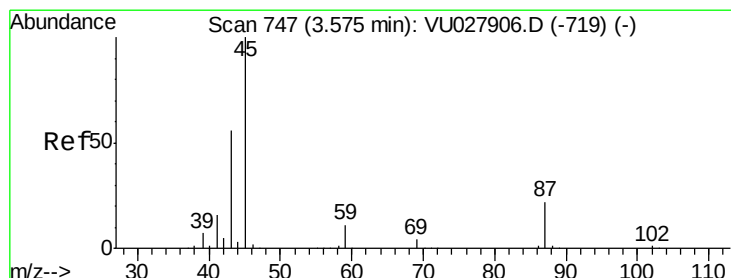
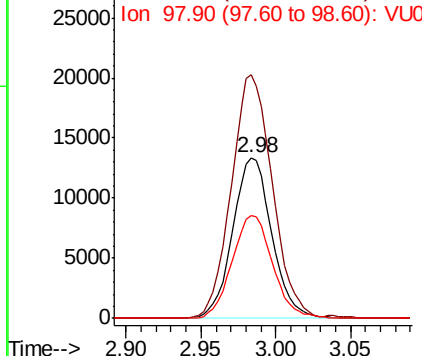
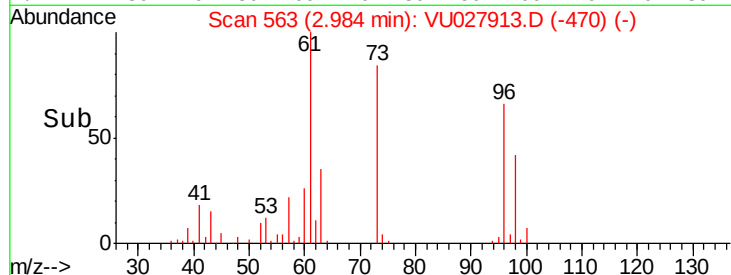
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11/5/2018 11:29:14 AM



Abundance Ion 95.90 (95.60 to 96.60): VU027913.D (-470) (-)



#22

Diisopropyl ether

Concen: 15.296 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Tgt Ion: 45 Resp: 107842

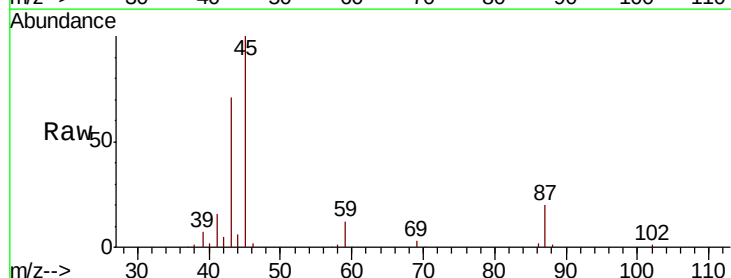
Ion Ratio Lower Upper

45 100

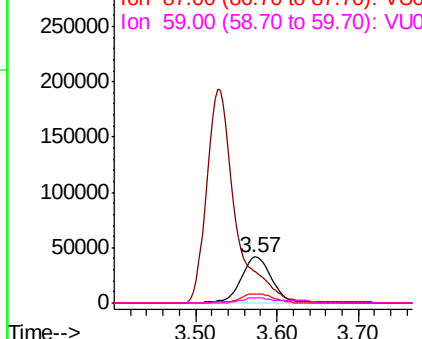
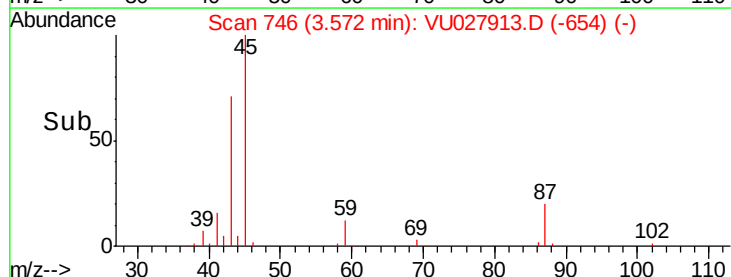
43 68.4 45.0 67.6#

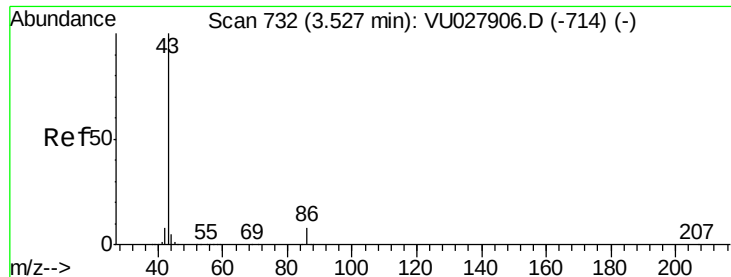
87 20.4 17.9 26.9

59 12.1 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VU027913.D (-654) (-)





#23

Vinyl Acetate

Concen: 78.582 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 43 Resp: 476137

Ion Ratio Lower Upper

43 100

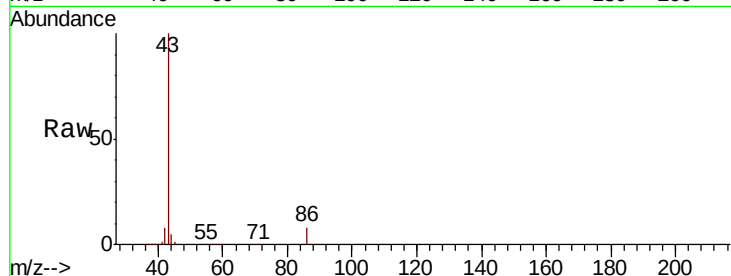
86 8.3 6.6 9.8

Manual Integrations

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MMDadoda

11/5/2018 11:29:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027913.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027913.D (-639) (-)

200000

150000

100000

50000

0

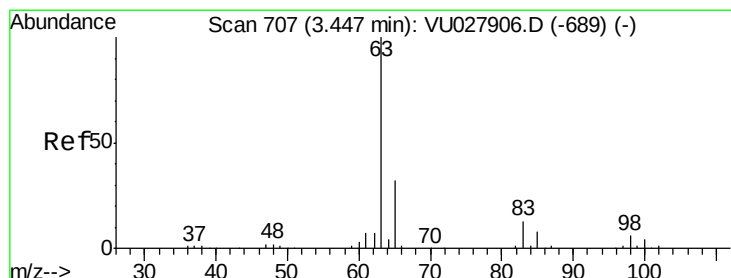
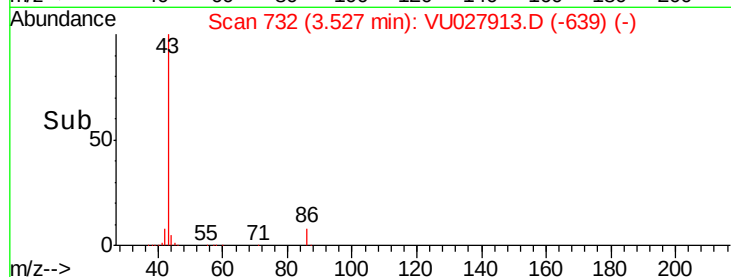
3.40

3.50

3.60

3.70

Time-->



#24

1,1-Dichloroethane

Concen: 15.331 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

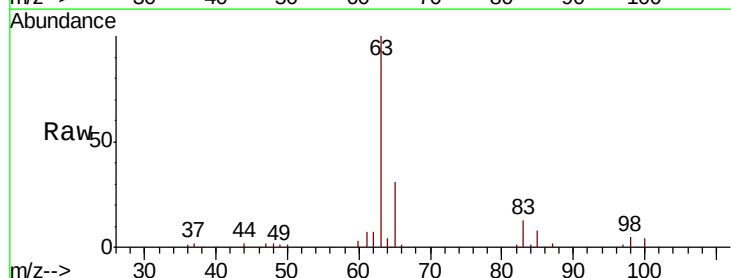
Tgt Ion: 63 Resp: 53837

Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.6

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027913.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027913.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027913.D (-614) (-)

30000

25000

20000

15000

10000

5000

0

3.35

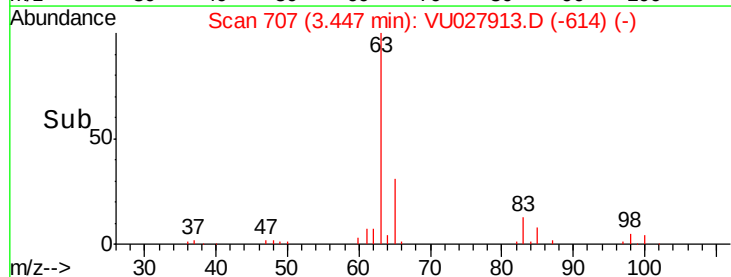
3.40

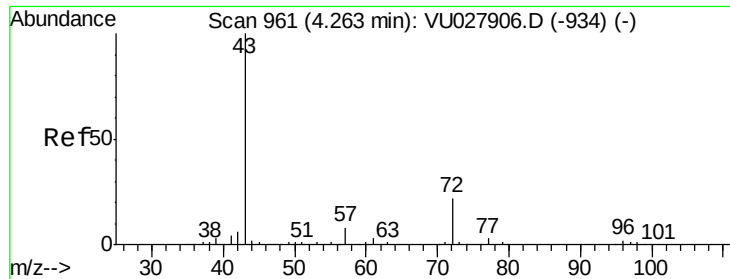
3.45

3.50

3.55

Time-->





#25

2-Butanone

Concen: 79.479 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 43 Resp: 155495

Ion Ratio Lower Upper

43 100

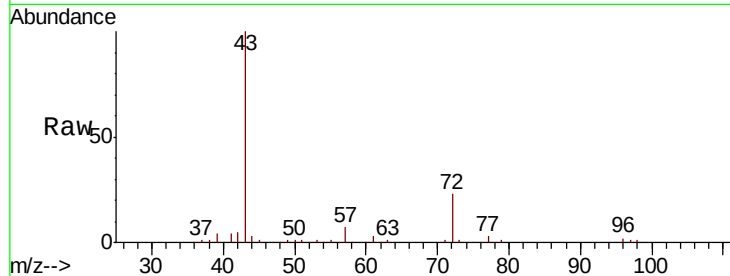
72 22.8 17.7 26.5

Manual Integrations

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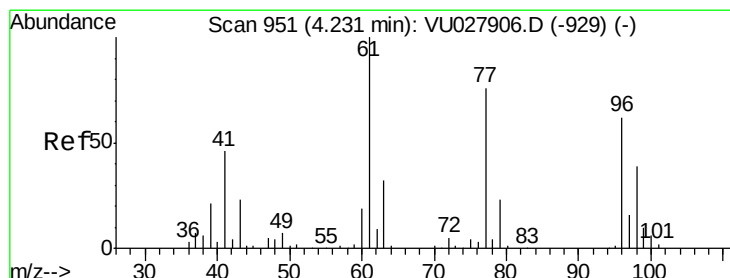
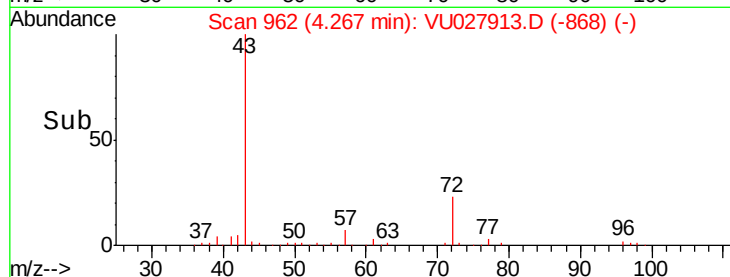
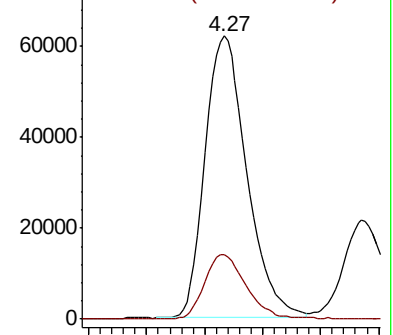
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 15.839 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.01 min

Lab File: VU027913.D

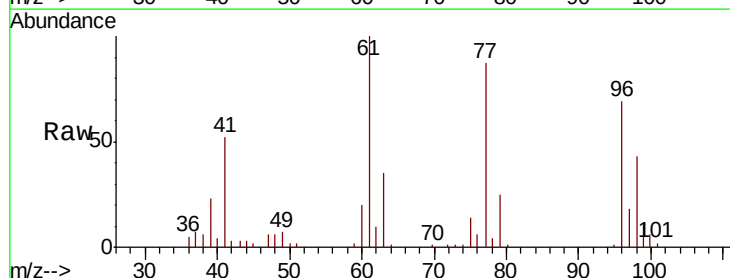
Acq: 02 Nov 2018 10:09

Tgt Ion: 77 Resp: 41742

Ion Ratio Lower Upper

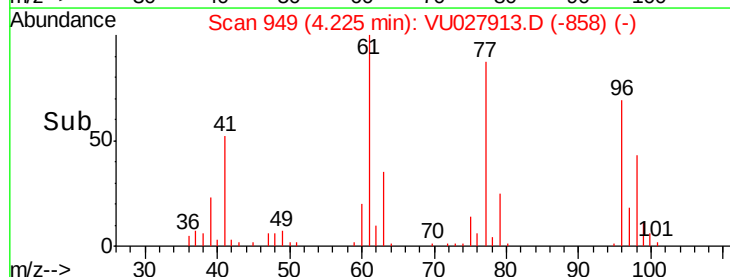
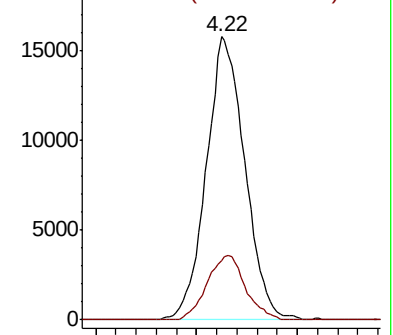
77 100

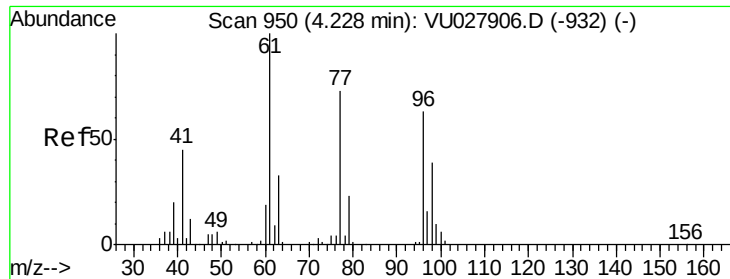
97 22.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

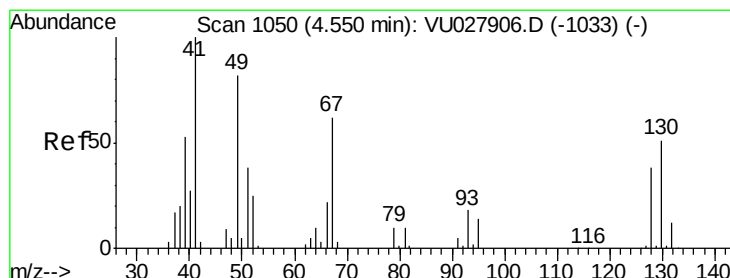
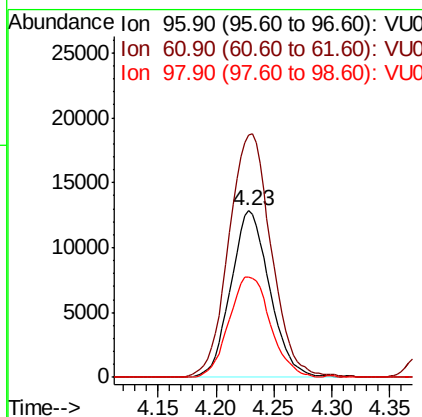
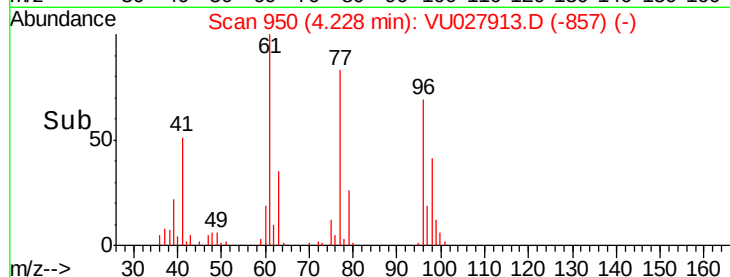
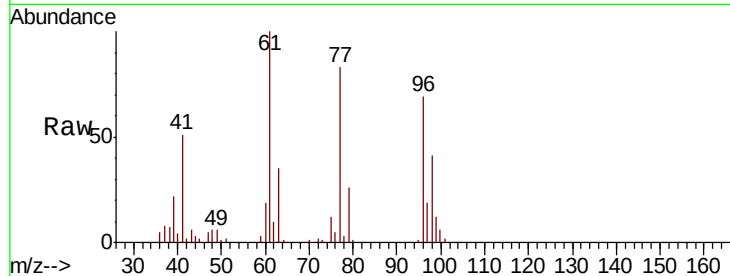
cis-1,2-Dichloroethene
Concen: 16.546 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	329.6
98	64.3	0.0	127.2

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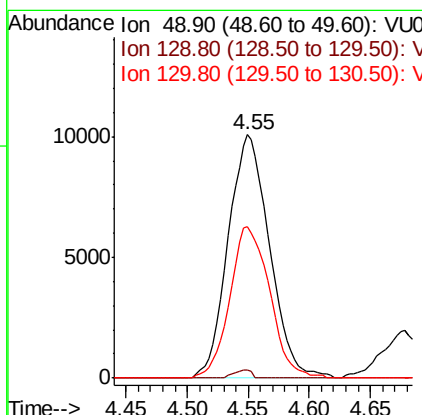
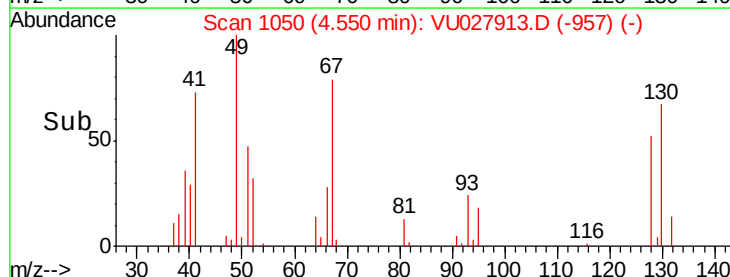
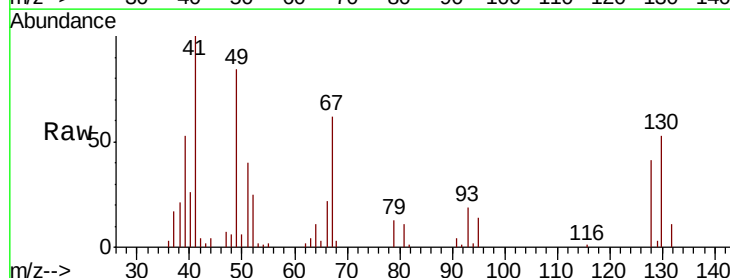
MMDadoda
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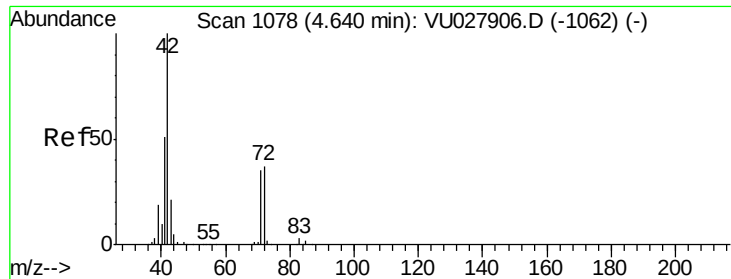


#28

Bromochloromethane
Concen: 14.395 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	60.1	47.8	71.6





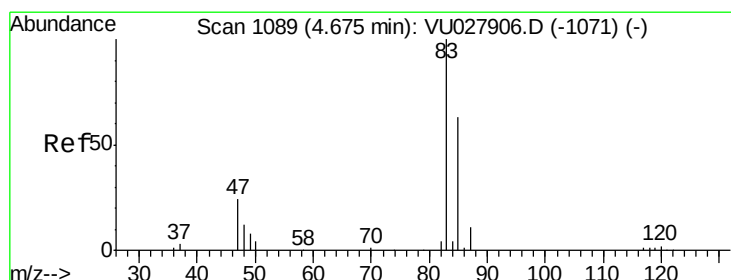
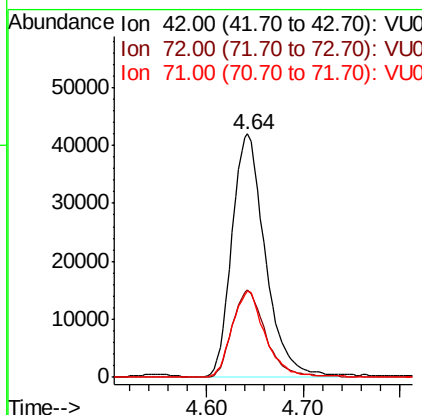
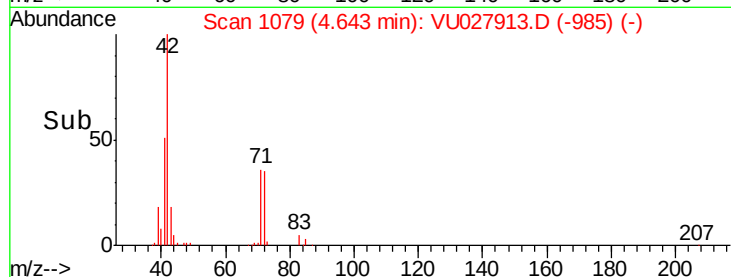
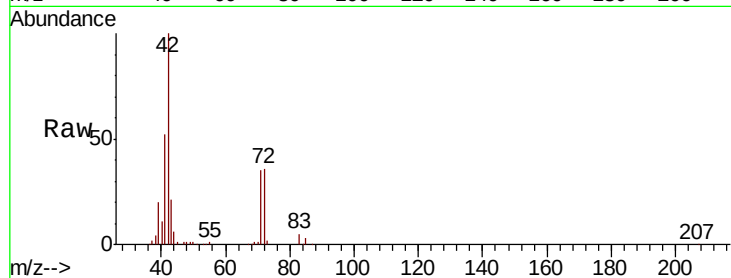
#29
Tetrahydrofuran
Concen: 76.625 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.4	44.0
71	35.3	27.9	41.9

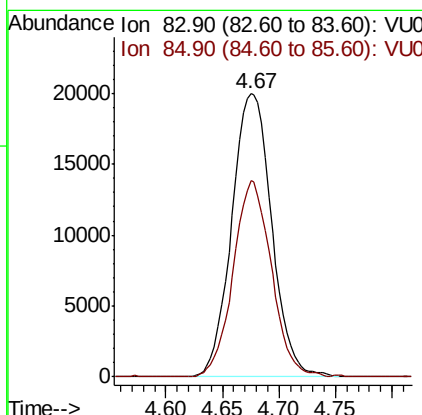
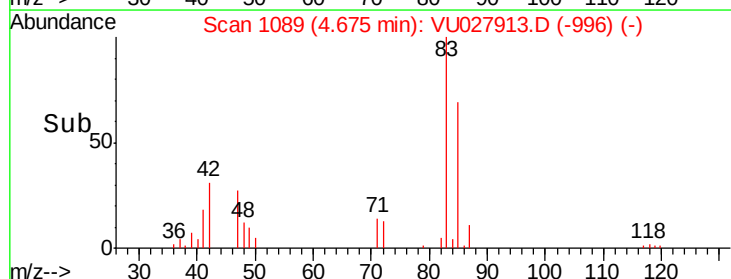
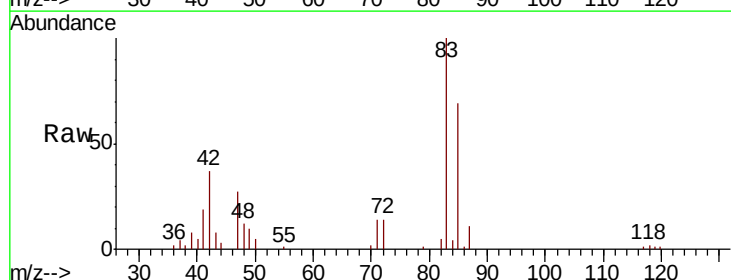
Manual Integrations
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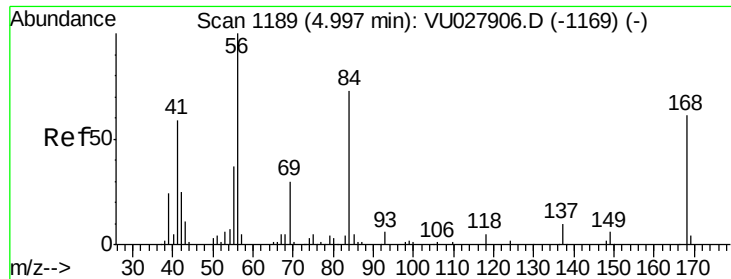
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#30
Chloroform
Concen: 15.251 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.2	50.6	76.0





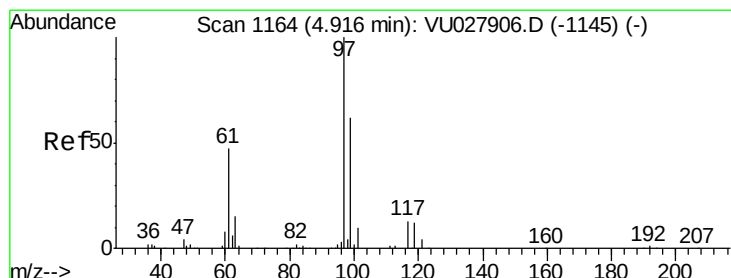
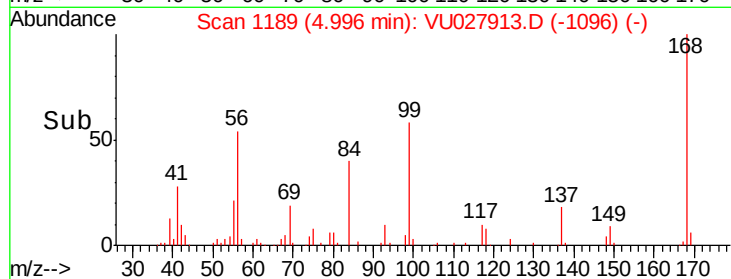
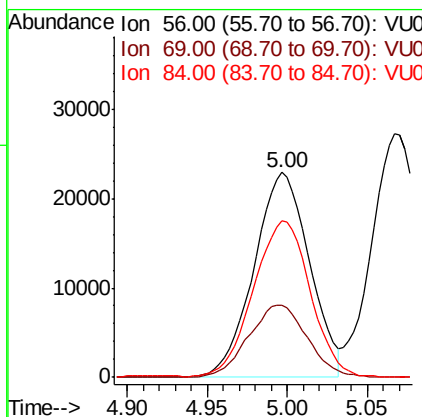
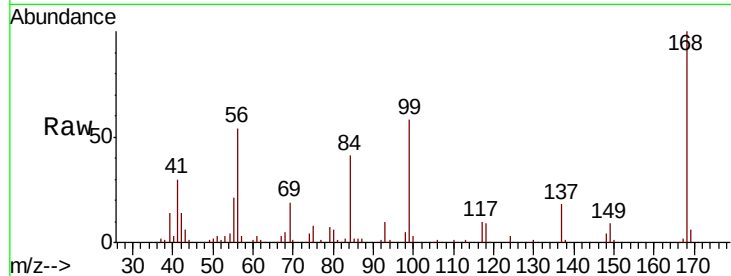
#31
Cyclohexane
Concen: 14.805 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	23.7	35.5
84	76.6	58.2	87.4

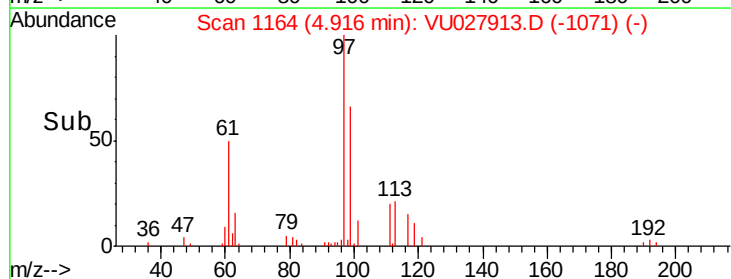
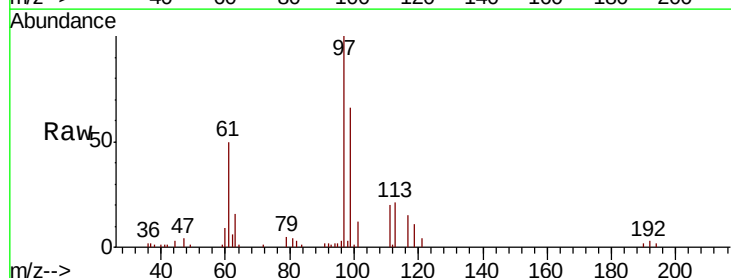
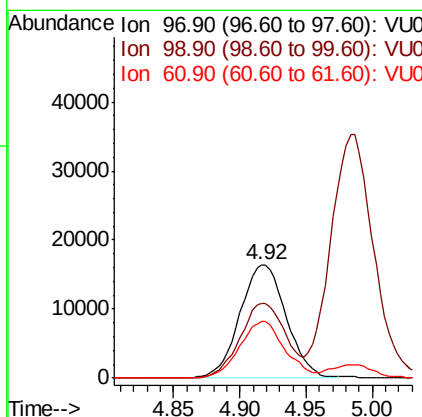
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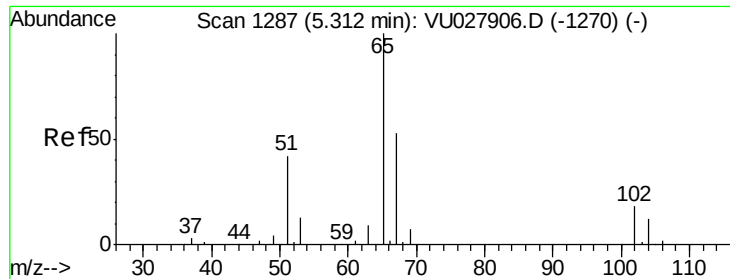
MMDadoda
11/5/2018 11:29:14 AM



#32
1,1,1-Trichloroethane
Concen: 15.530 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
97	100		
61	49.1	38.3	57.5
113	65.7	50.5	75.7





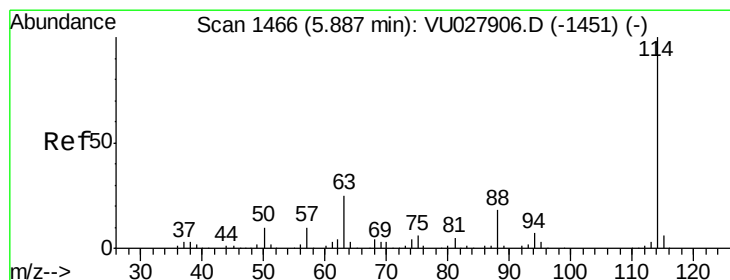
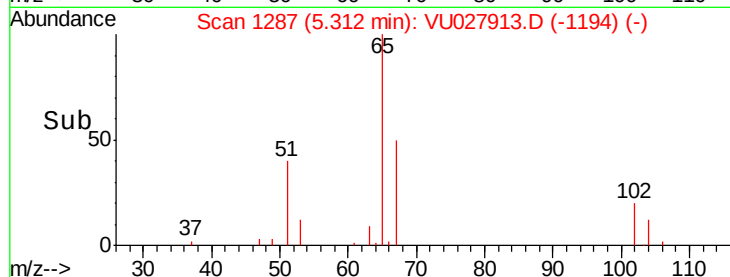
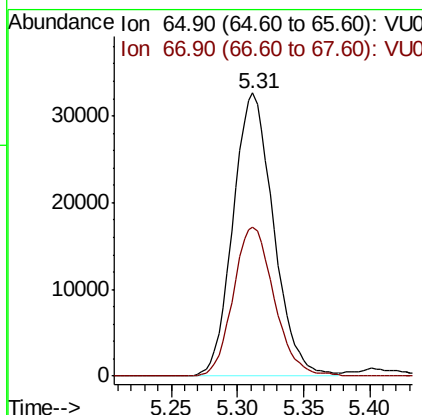
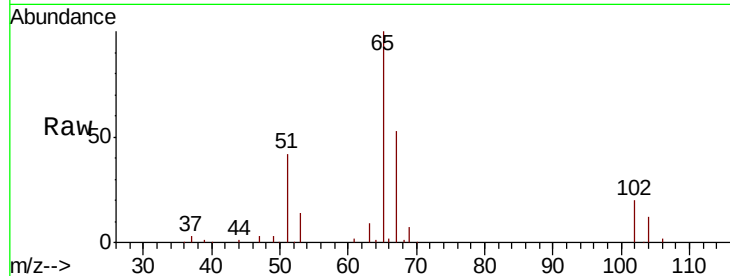
#33
 1,2-Dichloroethane-d4
 Concen: 34.960 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Instrument :
 MSVOA_U
 ClientSampled :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	109.0

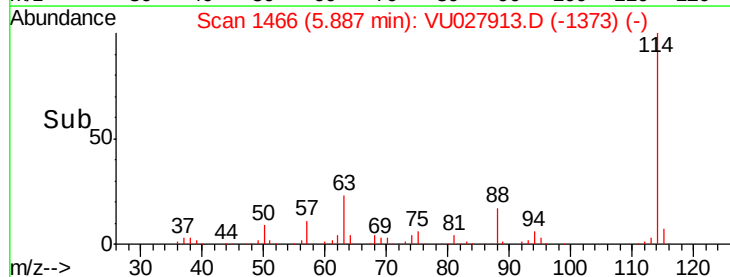
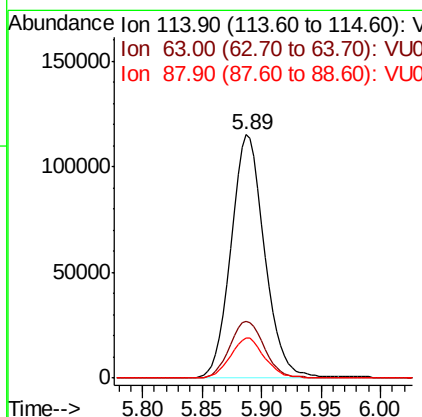
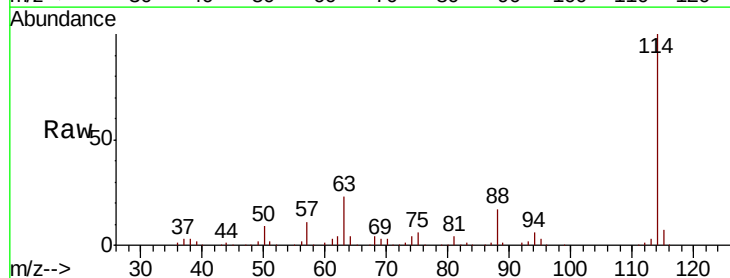
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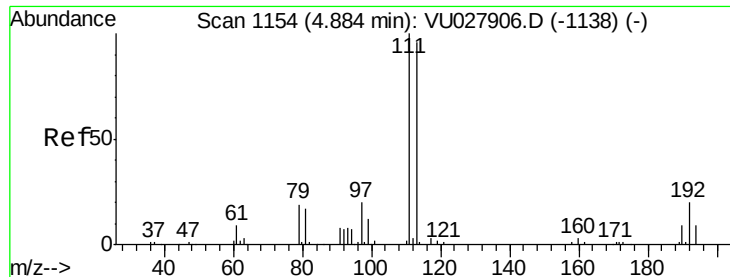
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	50.8
88	16.6	0.0	35.8





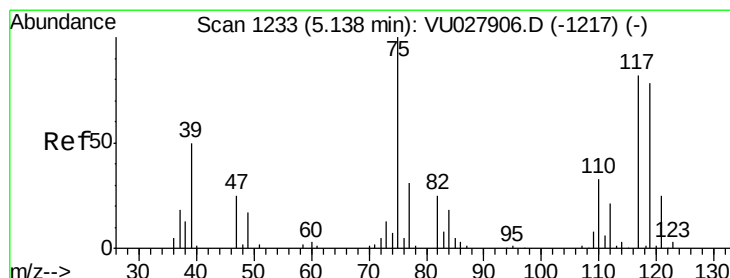
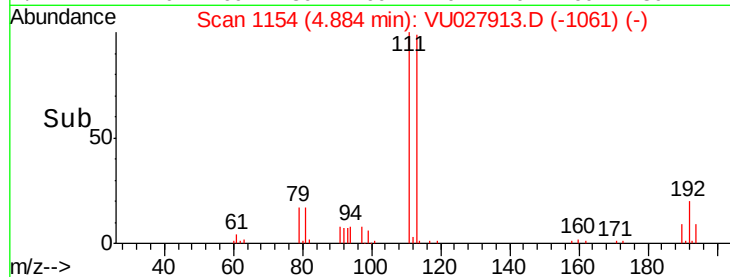
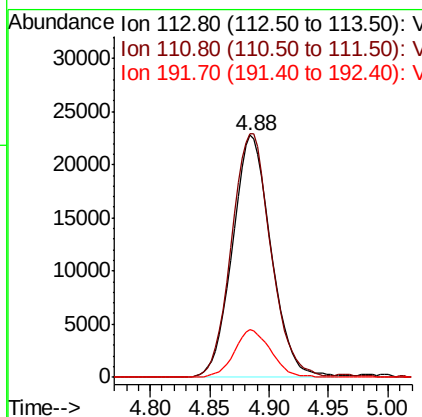
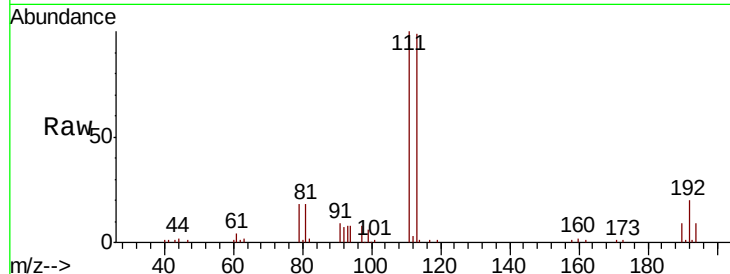
#35
 Dibromofluoromethane
 Concen: 36.006 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.0	124.6
192	18.6	15.6	23.4

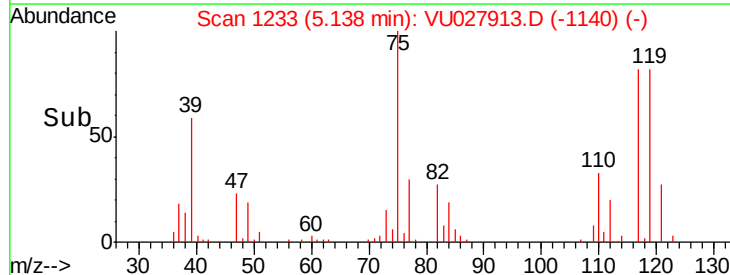
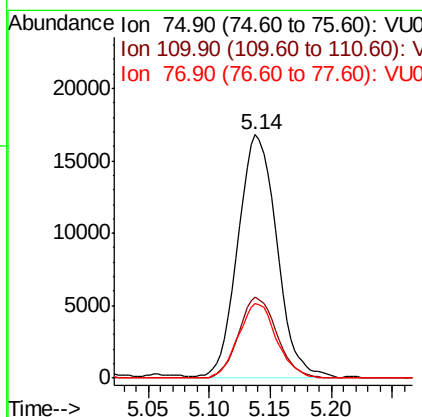
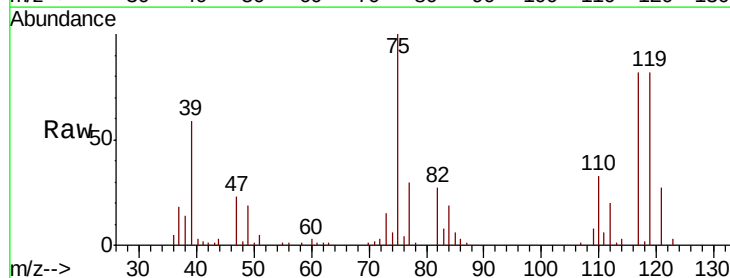
Manual Integrations
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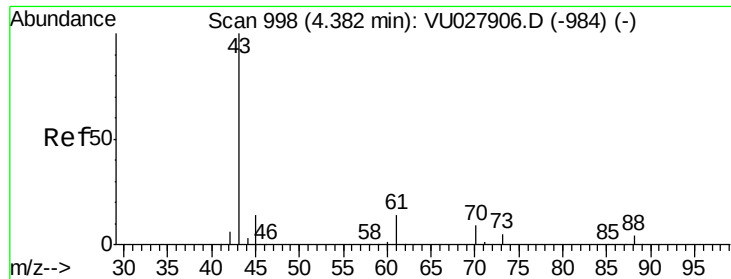
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 11/5/2018 11:29:14 AM



#36
 1,1-Dichloropropene
 Concen: 15.785 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.5	49.5
77	29.9	24.9	37.3





#37

Ethyl Acetate

Concen: 15.720 ug/l

RT: 4.39 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

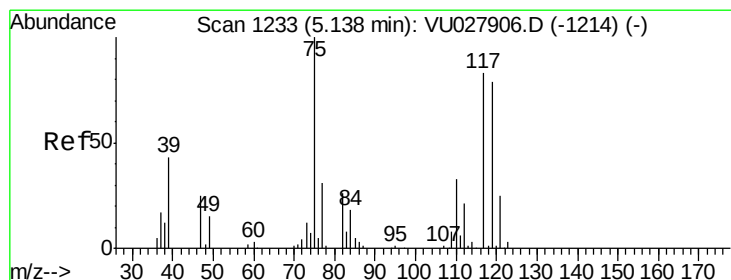
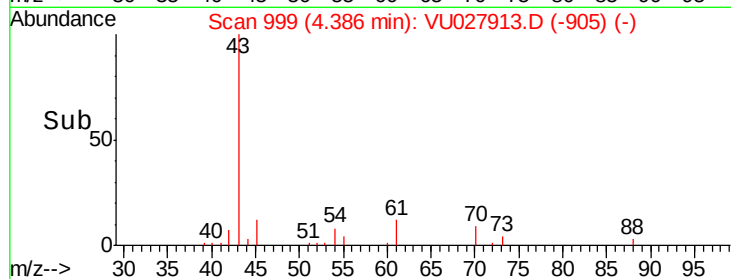
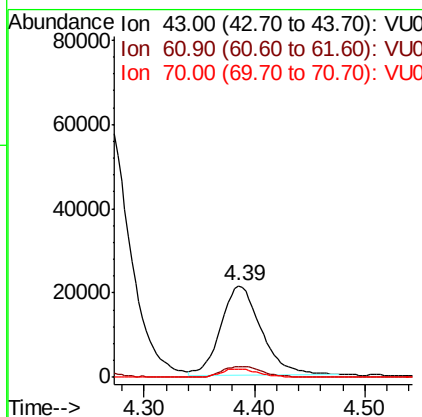
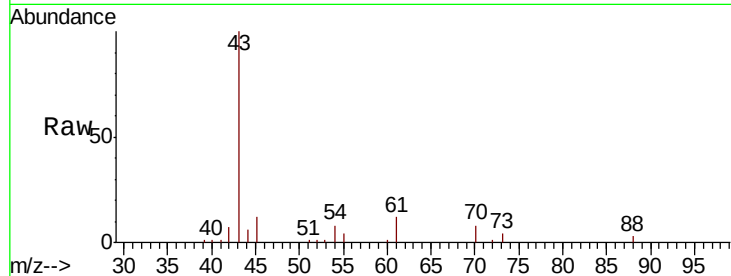
ClientSampleId :

VU1102WBS01

Tot Ion:	43	Resp:	54409
Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.3	15.5
70	8.8	7.0	10.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 16.011 ug/l

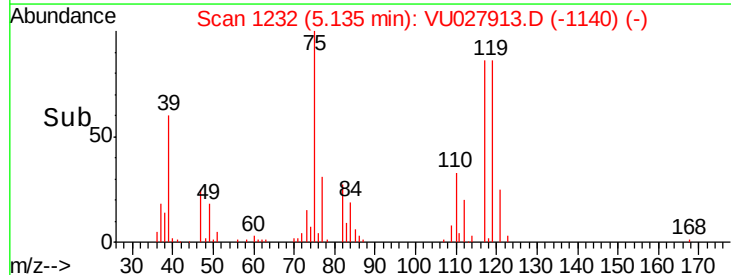
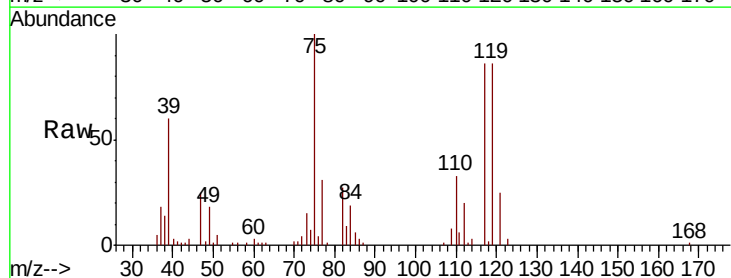
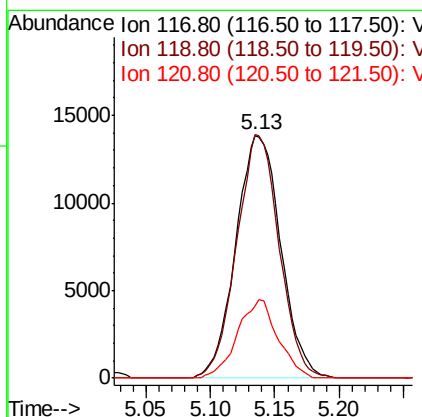
RT: 5.13 min Scan# 1232

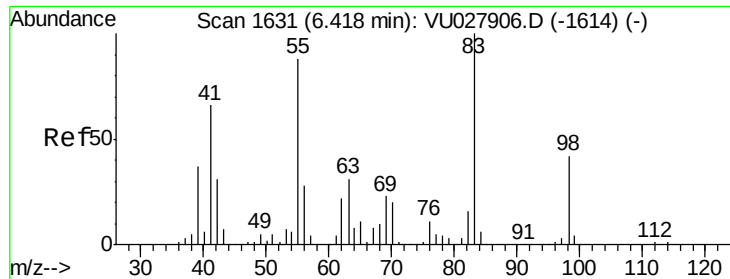
Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Tgt Ion:	117	Resp:	33517
Ion	Ratio	Lower	Upper
117	100		
119	100.2	76.0	114.0
121	29.6	24.5	36.7





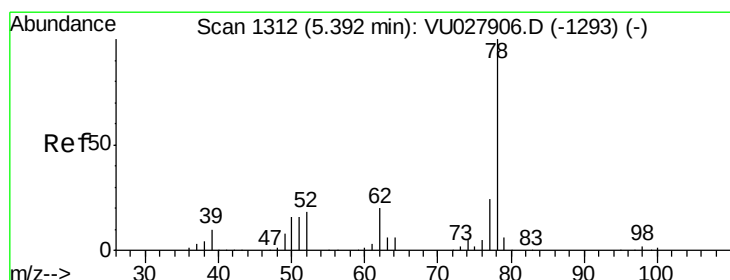
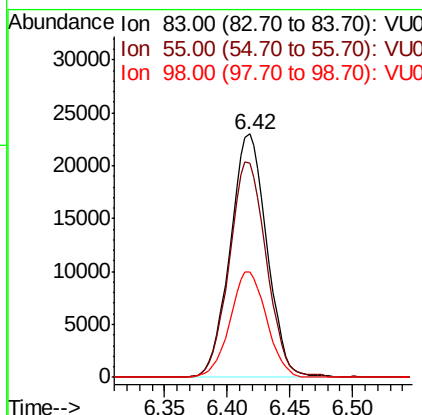
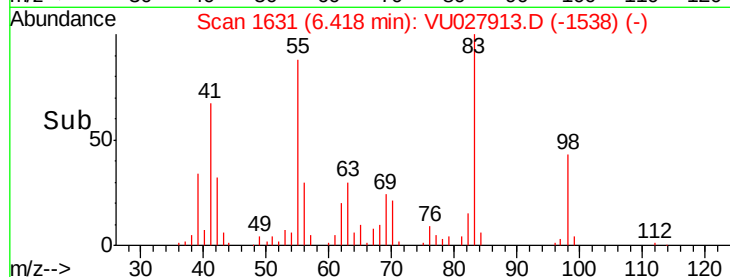
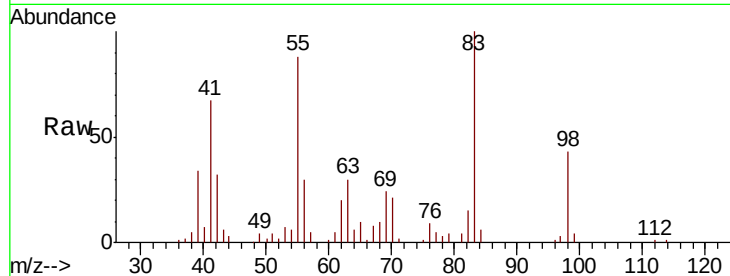
#39
Methylvlcyclohexane
Concen: 16.353 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	83.00	Resp	46591
Ion	Ratio	Lower	Upper
83	100		
55	87.8	70.3	105.5
98	43.3	34.0	51.0

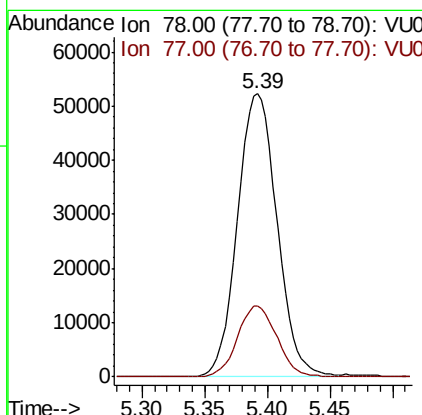
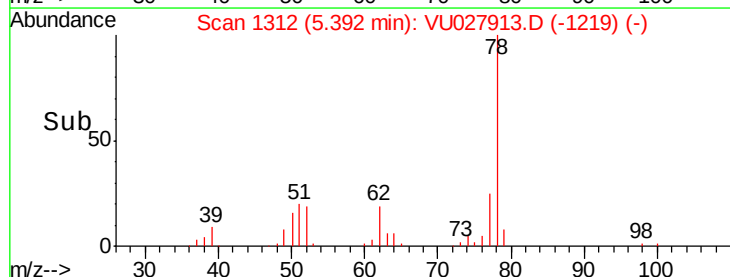
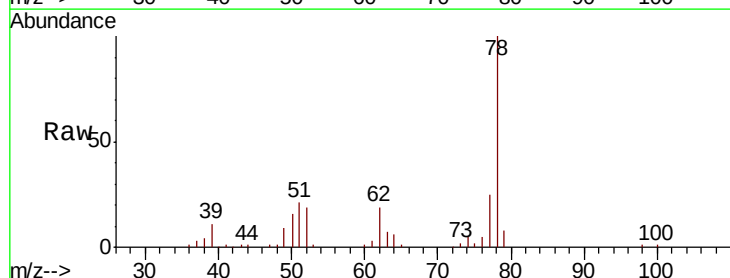
Manual Integrations
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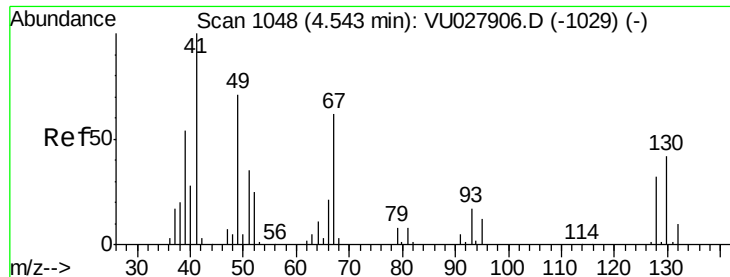
MMDadoda
11/5/2018 11:29:14 AM



#40
Benzene
Concen: 15.923 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	78.00	Resp	114993
Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.3	28.9





#41

Methacrylonitrile

Concen: 16.348 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 41 Resp: 30196

Ion Ratio Lower Upper

41 100

39 51.2 42.2 63.4

67 64.3 49.5 74.3

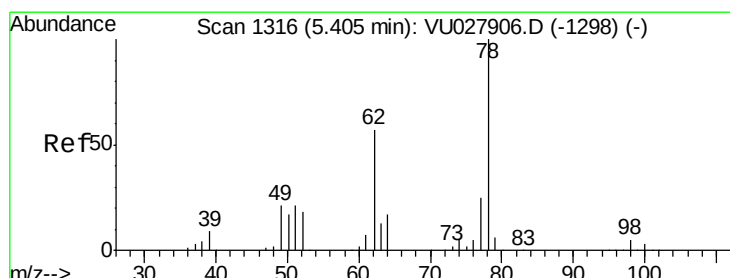
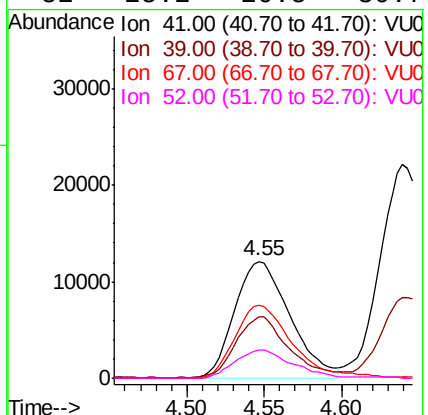
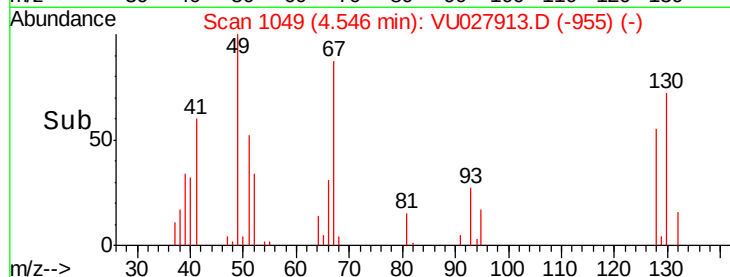
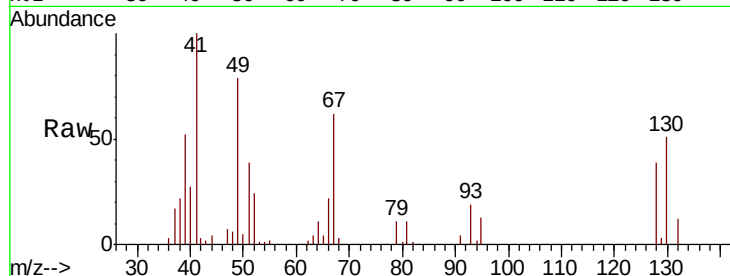
52 25.2 20.5 30.7

Manual Integrations

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11/5/2018 11:29:14 AM



#42

1,2-Dichloroethane

Concen: 15.892 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU027913.D

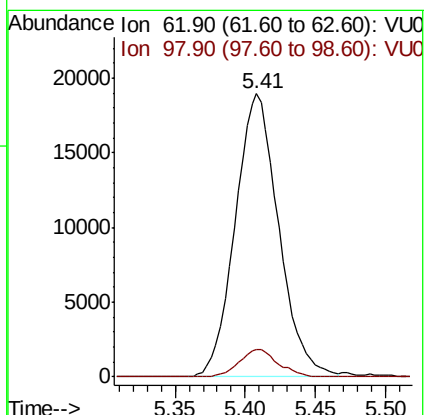
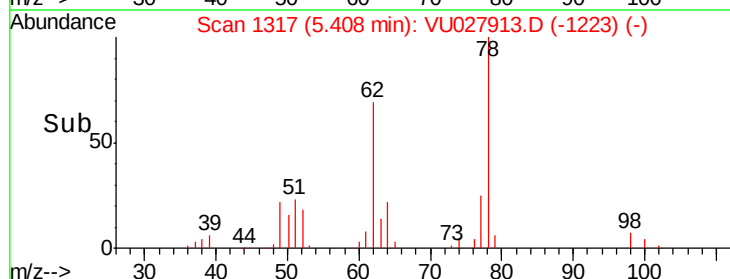
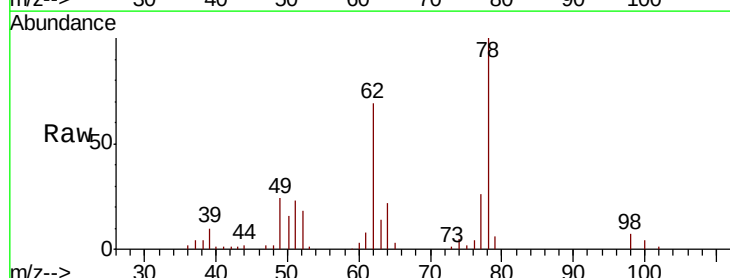
Acq: 02 Nov 2018 10:09

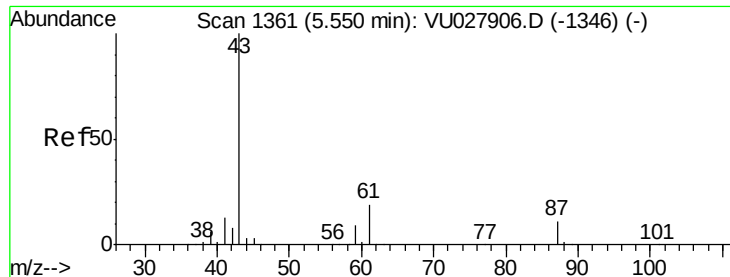
Tgt Ion: 62 Resp: 40796

Ion Ratio Lower Upper

62 100

98 8.6 0.0 17.2





#43

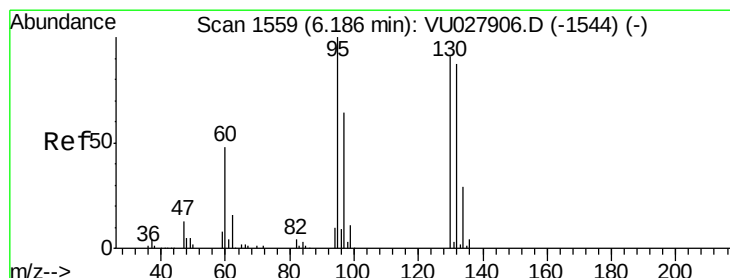
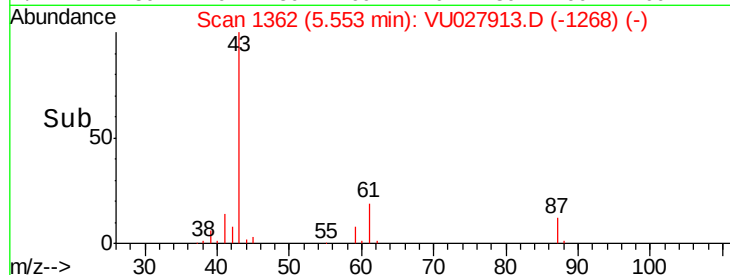
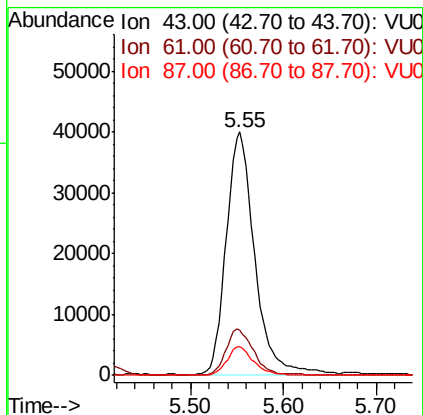
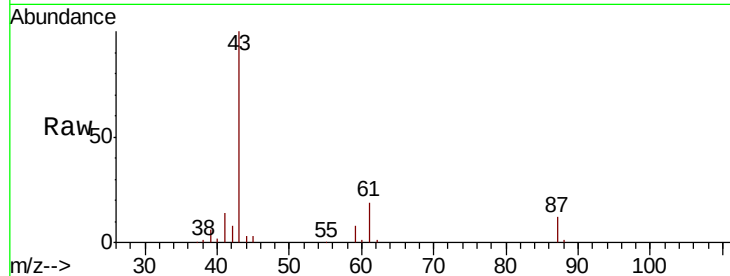
Isopropyl Acetate
 Concen: 15.876 ug/l
 RT: 5.55 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	15.0	22.4
87	10.8	8.6	12.8

Manual Integrations
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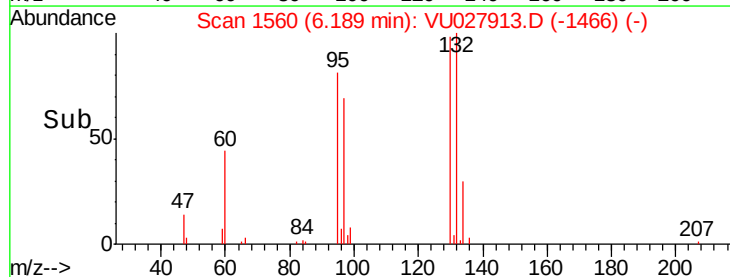
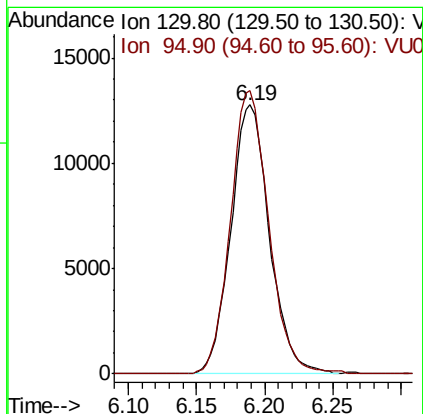
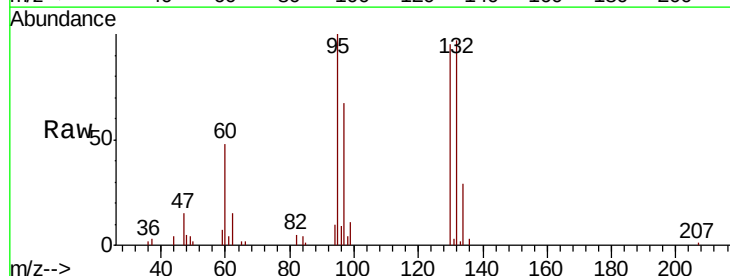
MMDadoda
 11/5/2018 11:29:14 AM

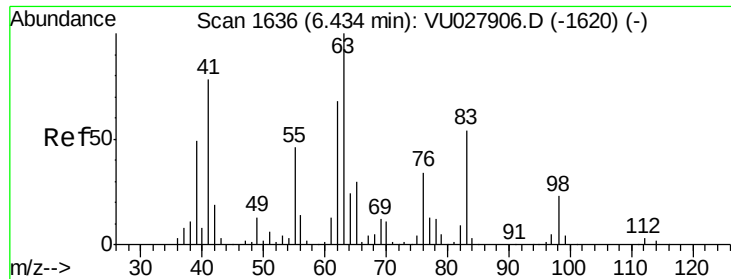


#44

Trichloroethene
 Concen: 16.178 ug/l
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	219.2





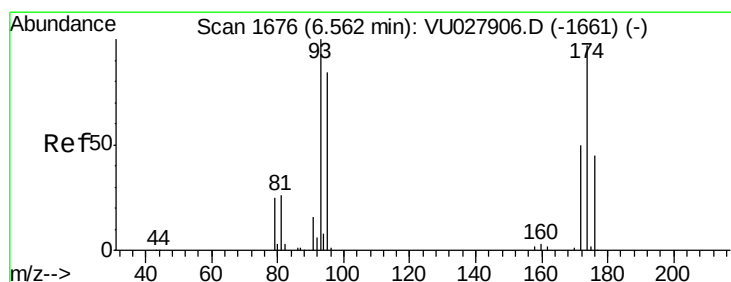
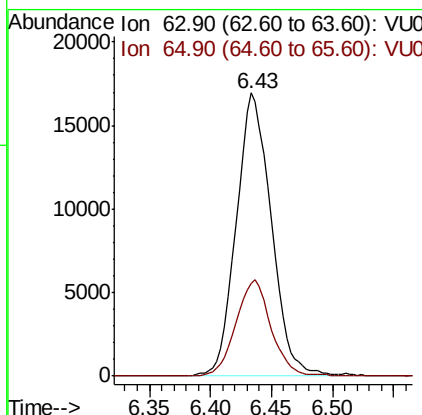
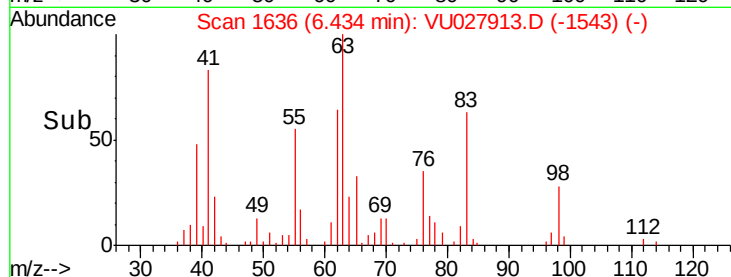
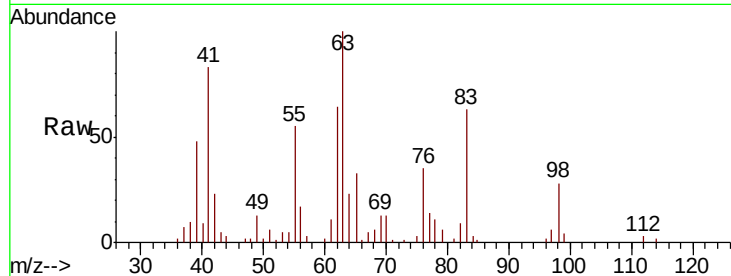
#45
 1,2-Dichloropropane
 Concen: 16.153 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion: 63 Resp: 33644
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.4 36.6

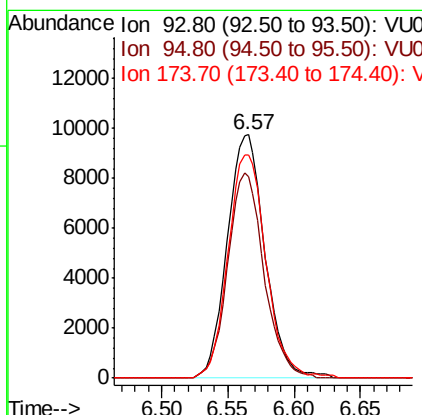
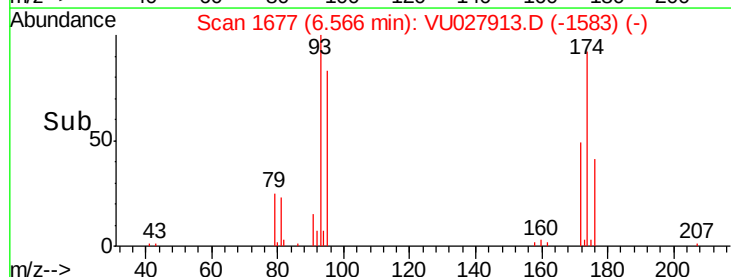
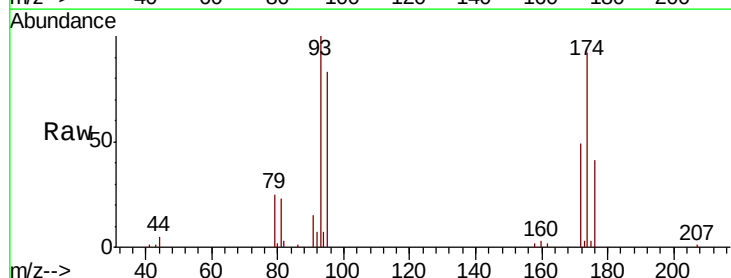
Manual Integrations
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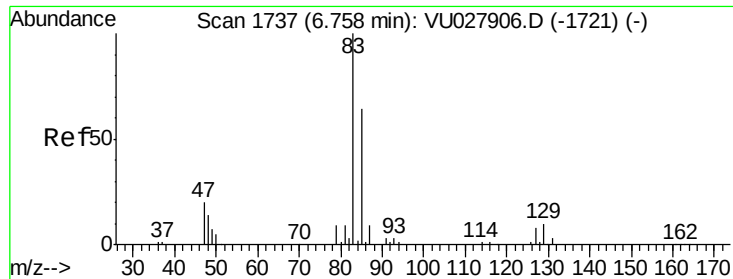
MMDadoda
 11/5/2018 11:29:14 AM



#46
 Dibromomethane
 Concen: 16.105 ug/l
 RT: 6.57 min Scan# 1677
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion: 93 Resp: 19281
 Ion Ratio Lower Upper
 93 100
 95 81.0 68.5 102.7
 174 92.6 76.1 114.1





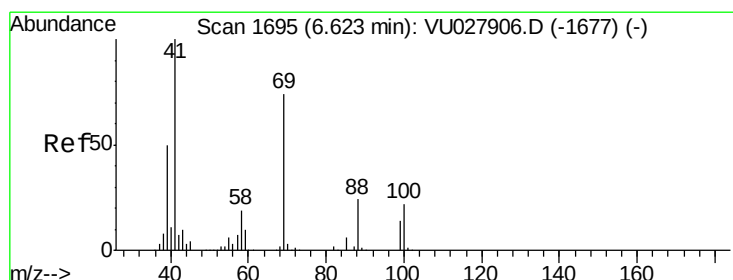
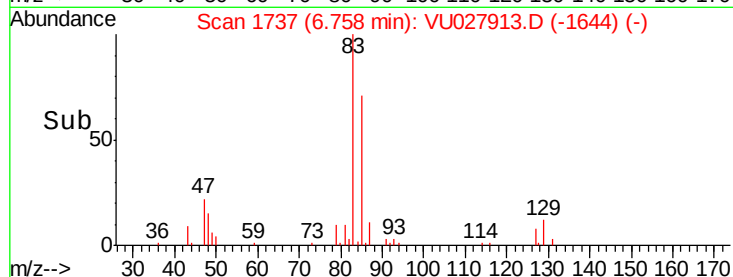
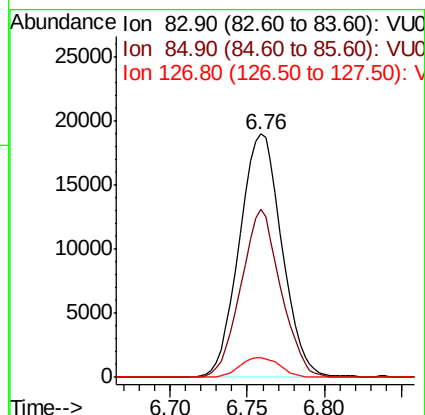
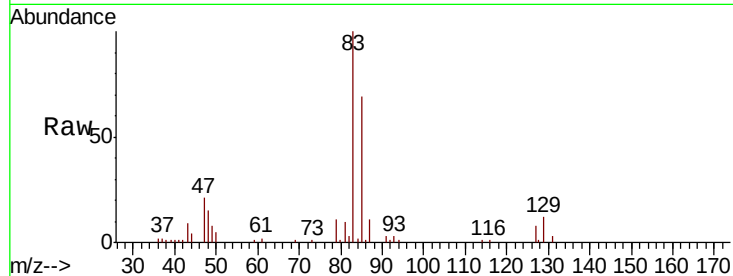
#47
Bromodichloromethane
Concen: 15.763 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	83	Resp	36368
Ion Ratio	100	Lower	Upper
83	100		
85	69.1	51.0	76.6
127	7.8	6.2	9.4

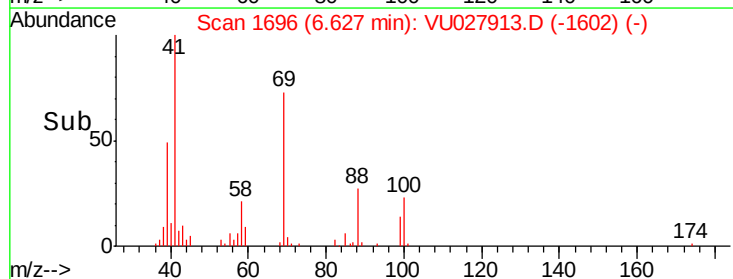
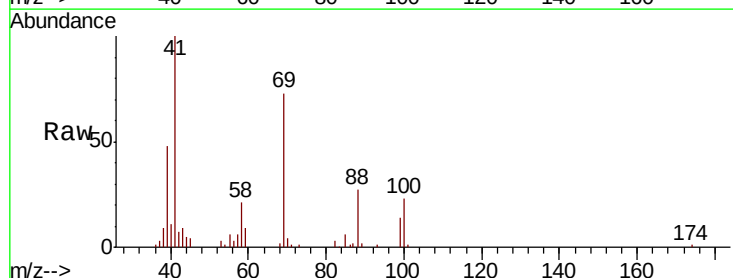
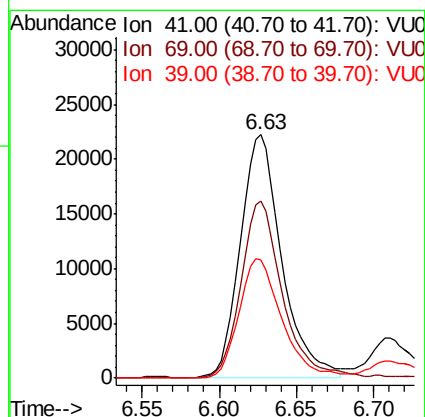
Manual Integrations
APPROVED

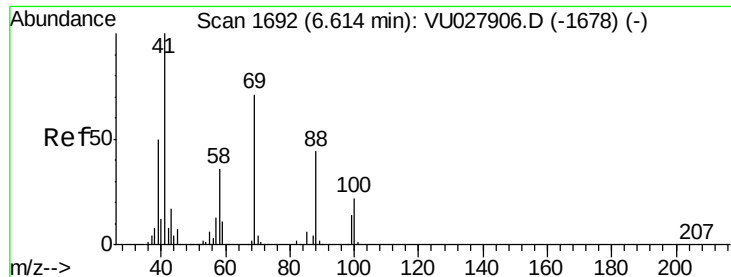
MMDadoda
11/5/2018 11:29:14 AM



#48
Methyl methacrylate
Concen: 15.625 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	41	Resp	41520
Ion Ratio	100	Lower	Upper
41	100		
69	72.4	59.8	89.8
39	50.5	40.0	60.0





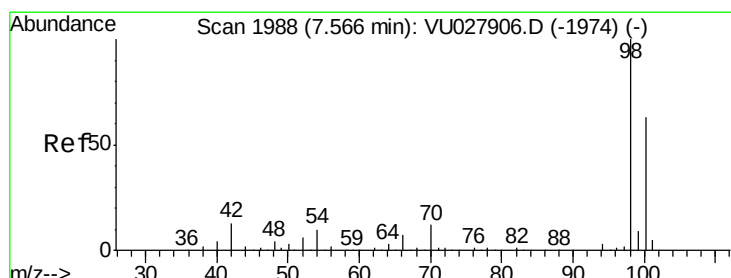
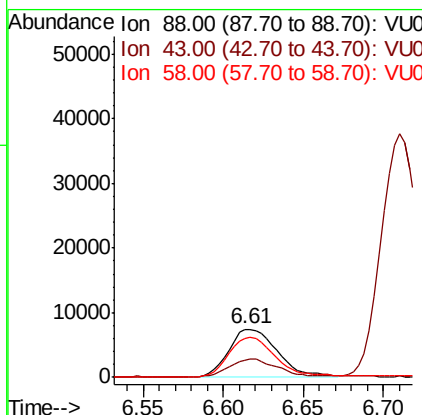
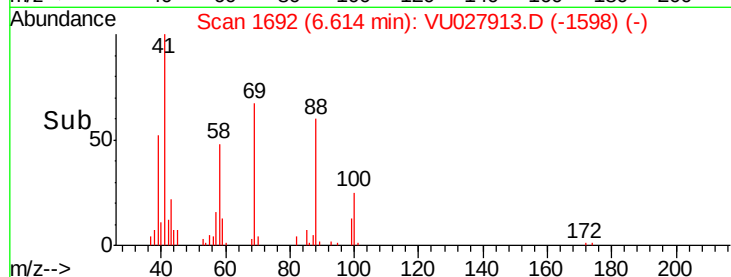
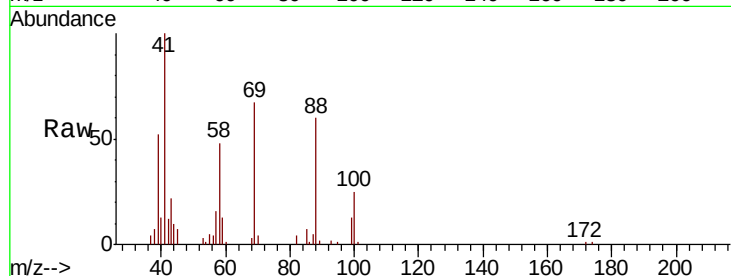
#49
1,4-Dioxane
Concen: 360.388 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	30.5	45.7
58	80.0	67.1	100.7

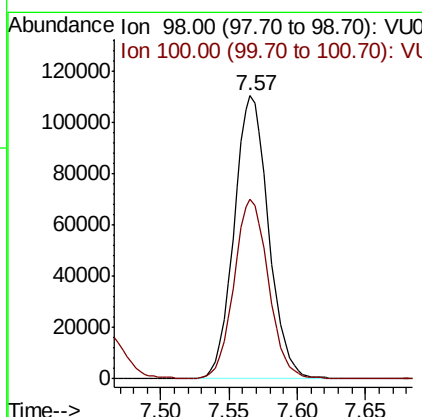
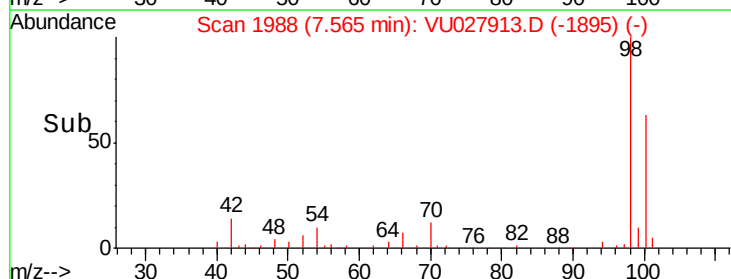
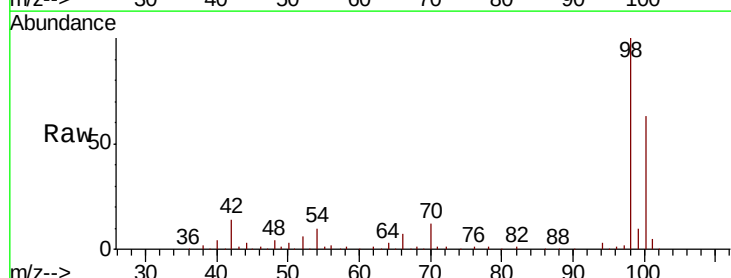
Manual Integrations
APPROVED

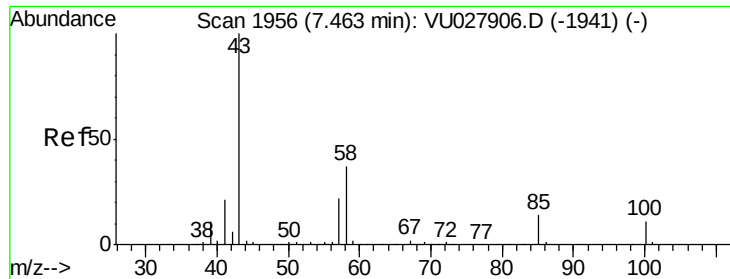
MMDadoda
11/5/2018 11:29:14 AM



#50
Toluene-d8
Concen: 35.200 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 77.735 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion: 43 Resp: 281502

Ion Ratio Lower Upper

43 100

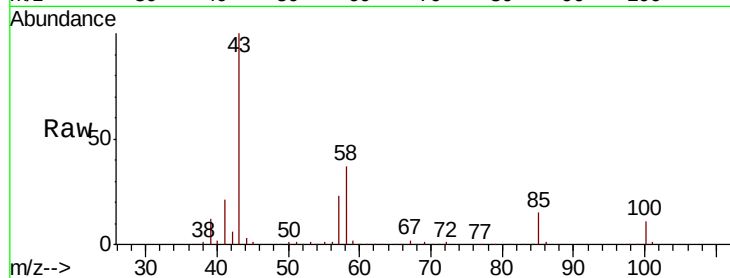
58 36.5 29.5 44.3

Manual Integrations

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MMDadoda

11/5/2018 11:29:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

150000

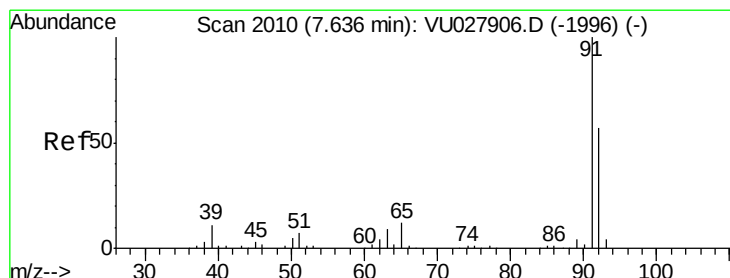
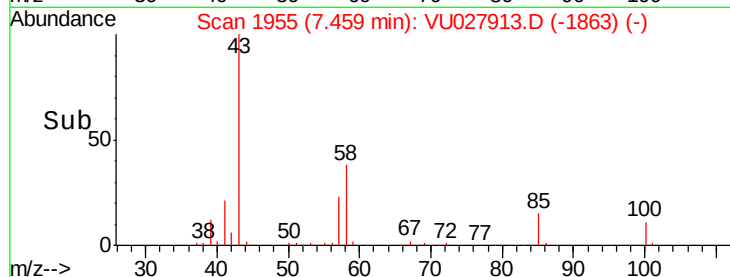
100000

50000

0

7.40 7.45 7.50 7.55

Time-->



#52

Toluene

Concen: 15.713 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027913.D

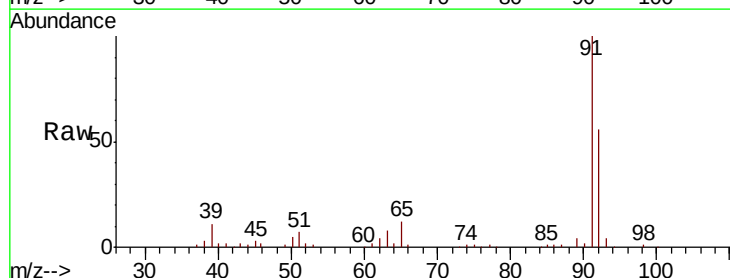
Acq: 02 Nov 2018 10:09

Tgt Ion: 92 Resp: 66714

Ion Ratio Lower Upper

92 100

91 179.5 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

80000

60000

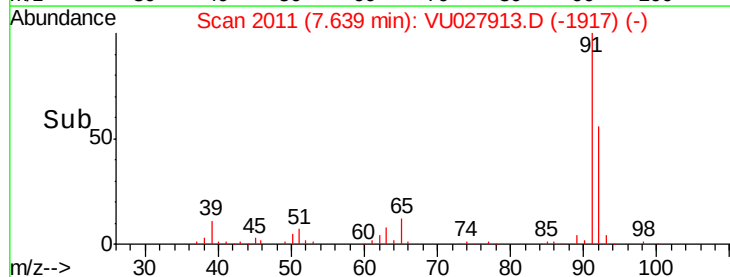
40000

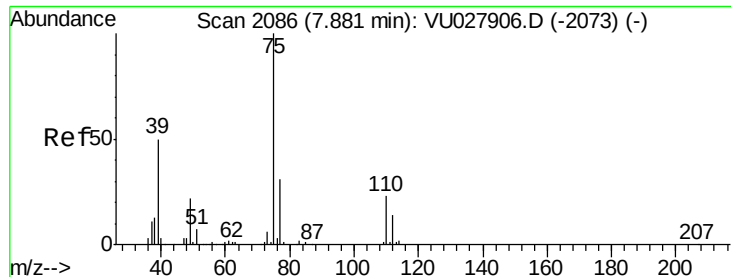
20000

0

7.55 7.60 7.65 7.70 7.75

Time-->





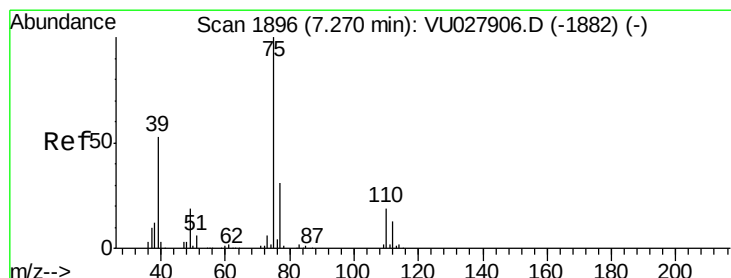
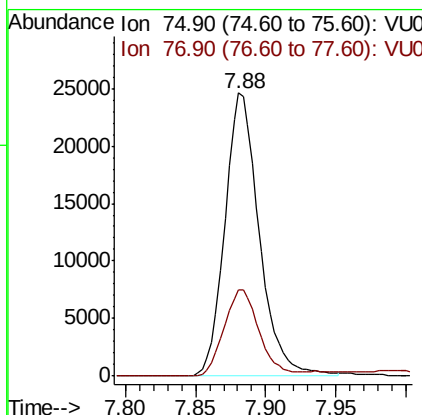
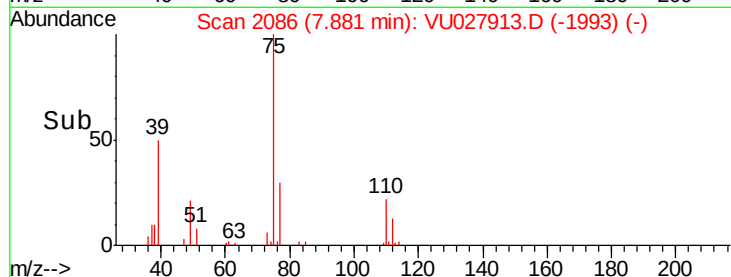
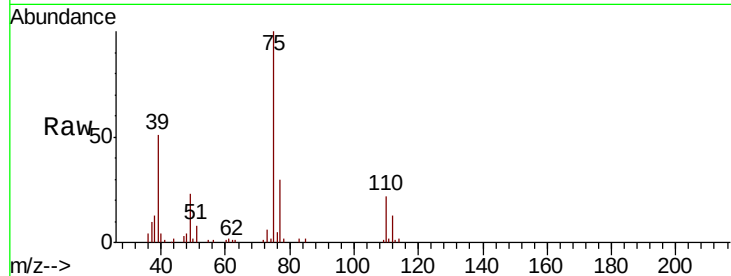
#53
t-1,3-Dichloropropene
Concen: 15.462 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.1	37.7

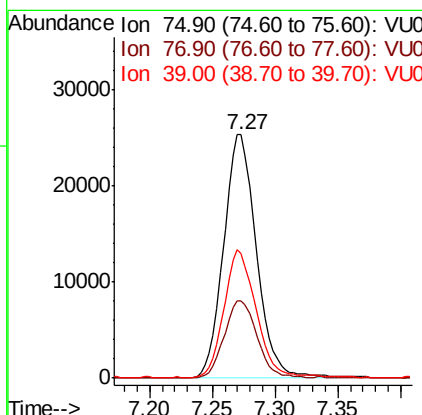
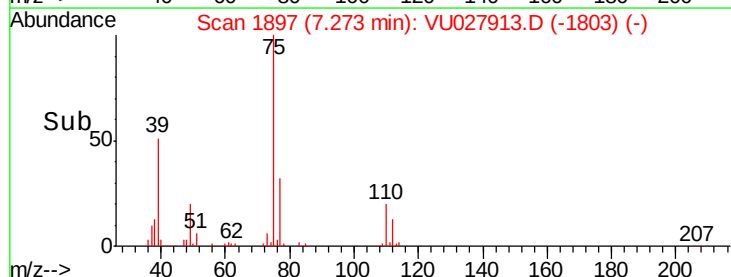
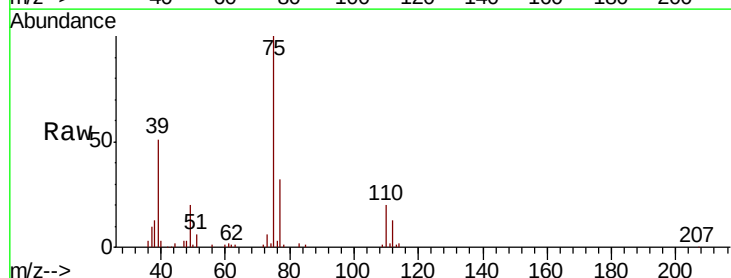
Manual Integrations
APPROVED

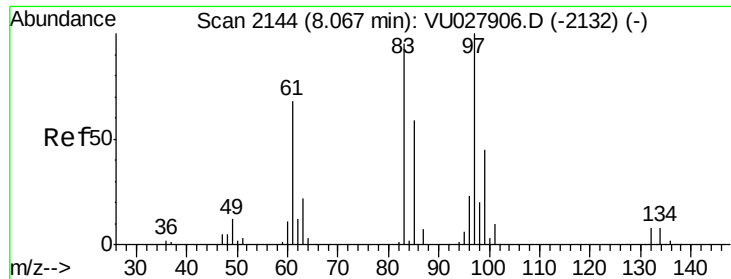
MMDadoda
11/5/2018 11:29:14 AM



#54
cis-1,3-Dichloropropene
Concen: 16.106 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	37.0
39	51.4	42.6	64.0





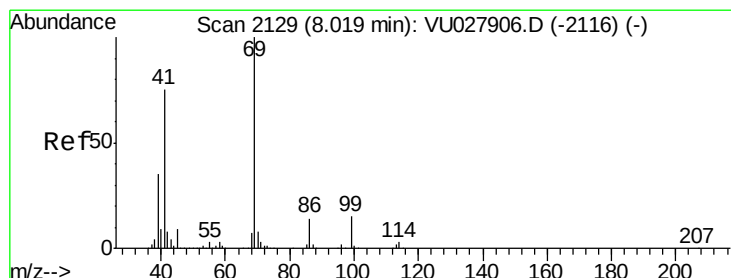
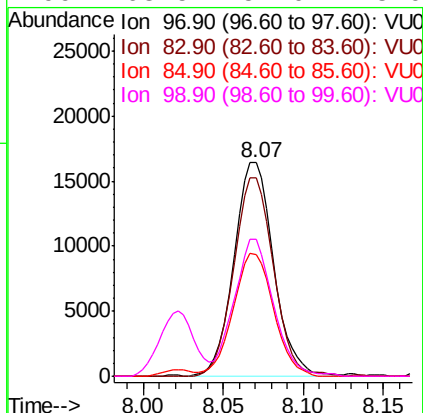
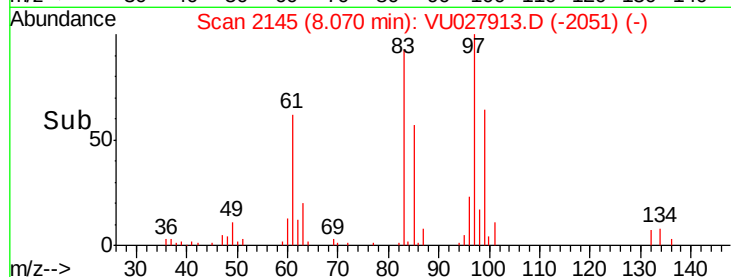
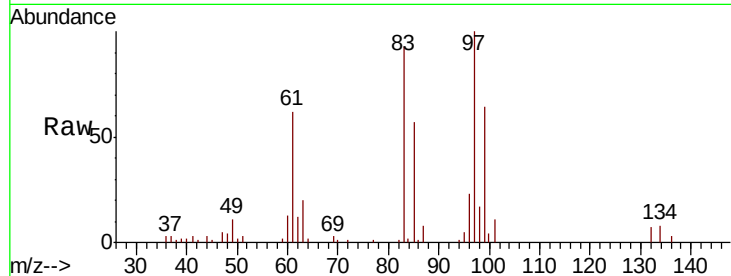
#55
 1,1,2-Trichloroethane
 Concen: 16.093 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion:	97	Resp:	27799
Ion	Ratio	Lower	Upper
97	100		
83	93.0	76.1	114.1
85	57.1	48.9	73.3
99	63.5	52.0	78.0

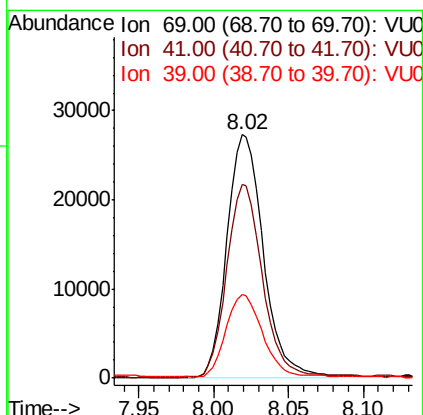
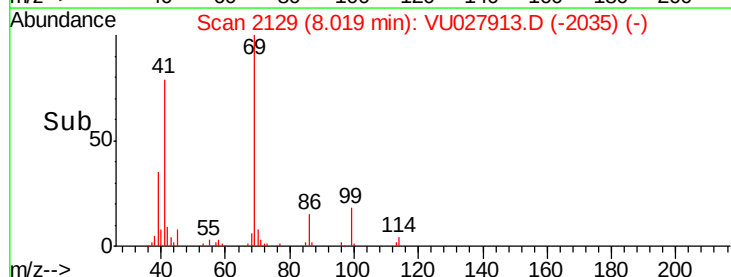
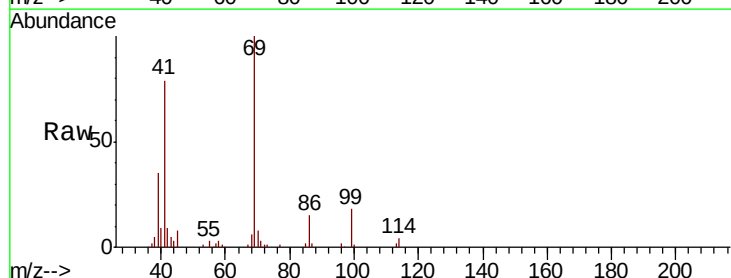
Manual Integrations
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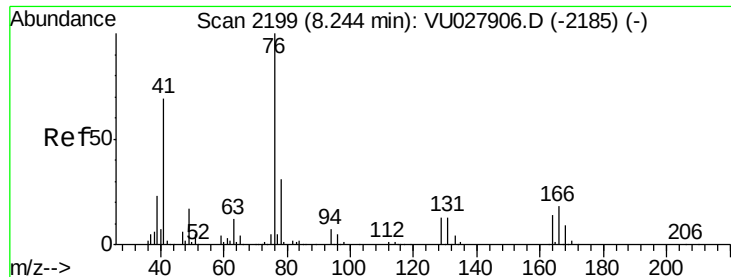
MMDadoda
 11/5/2018 11:29:14 AM



#56
 Ethyl methacrylate
 Concen: 15.301 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion:	69	Resp:	46609
Ion	Ratio	Lower	Upper
69	100		
41	78.9	59.8	89.6
39	33.7	28.6	42.8





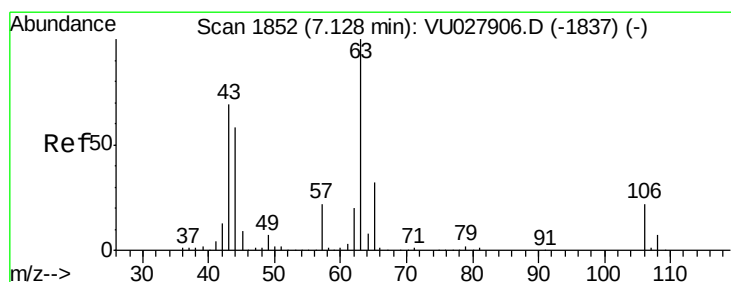
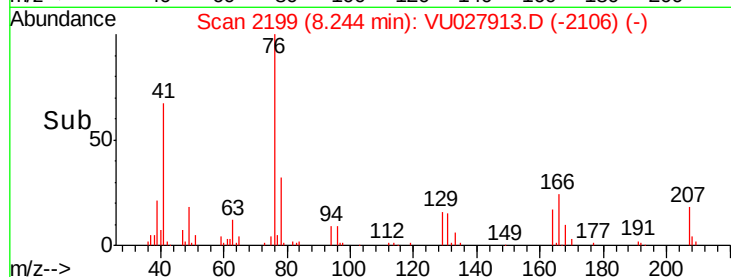
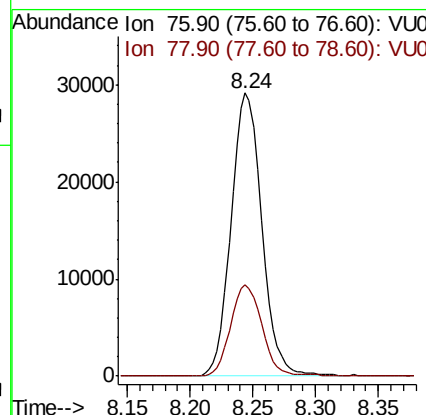
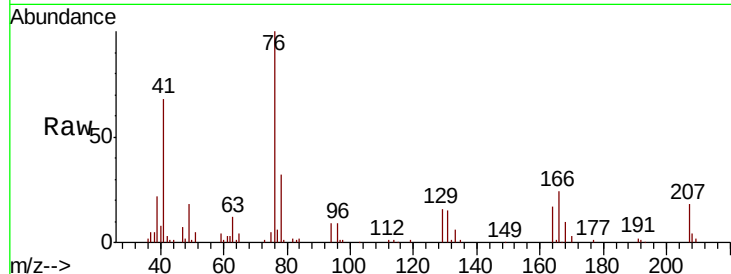
#57
 1,3-Dichloropropane
 Concen: 15.771 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion: 76 Resp: 49626
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.3 37.9

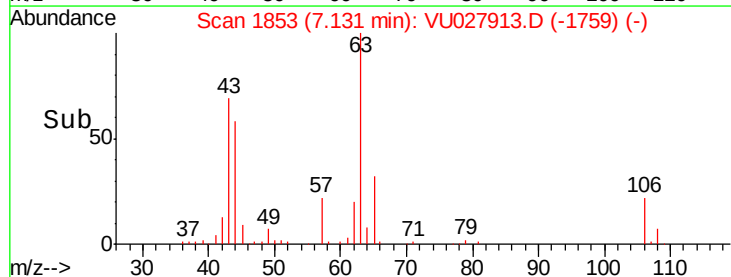
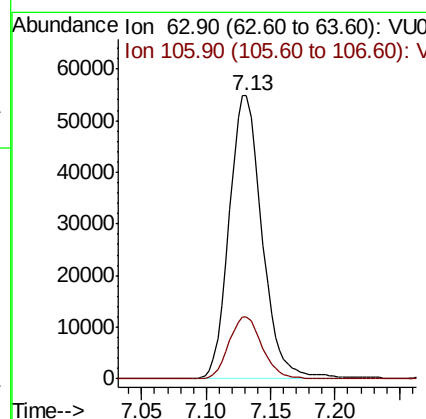
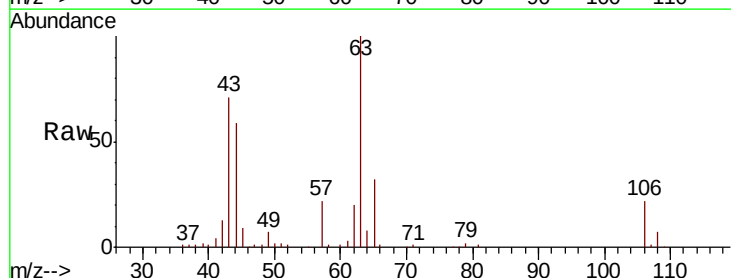
Manual Integrations
 APPROVED

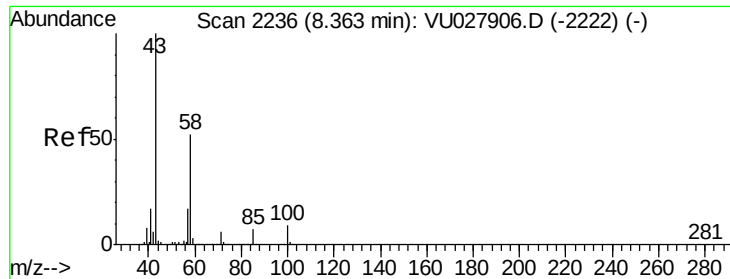
MMDadoda
 11/5/2018 11:29:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 59.581 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion: 63 Resp: 97205
 Ion Ratio Lower Upper
 63 100
 106 22.2 17.8 26.6





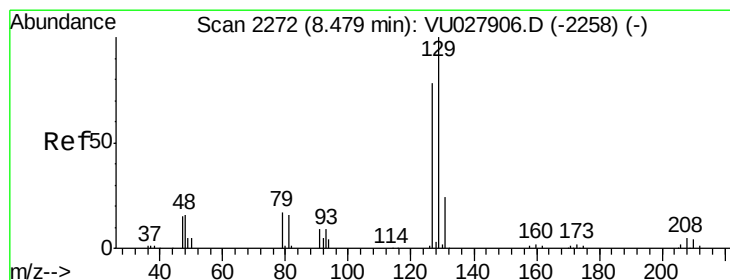
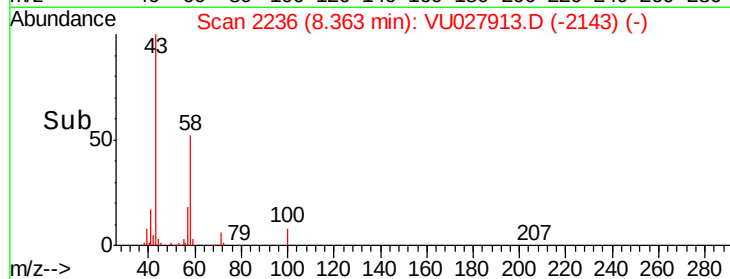
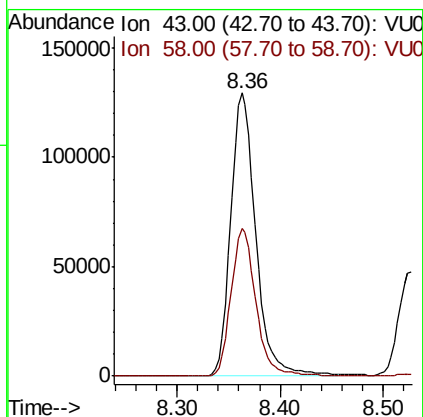
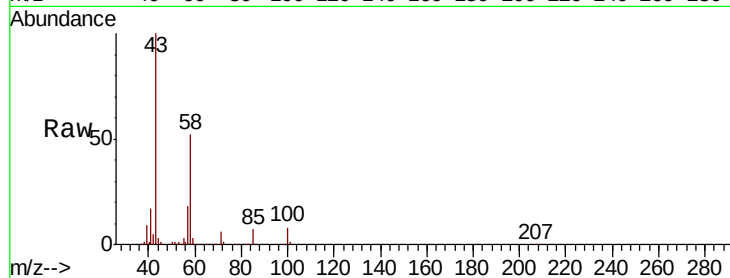
#59
2-Hexanone
Concen: 78.075 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	25.8	77.3

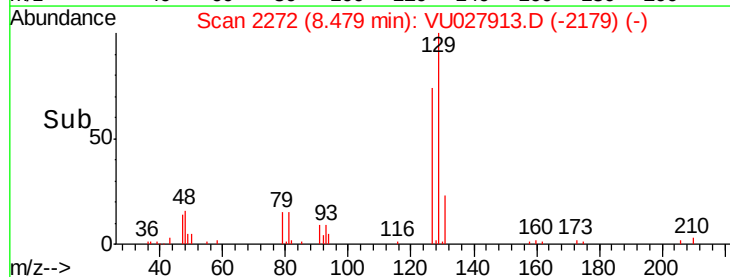
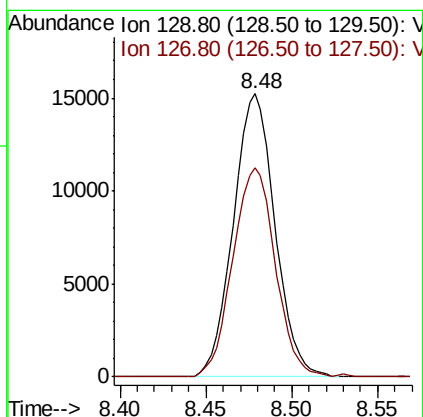
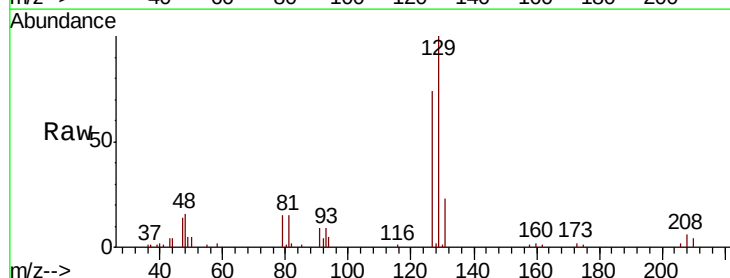
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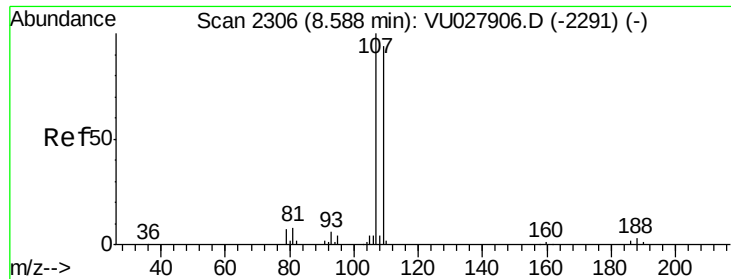
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#60
Dibromochloromethane
Concen: 15.664 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.3	39.2	117.6





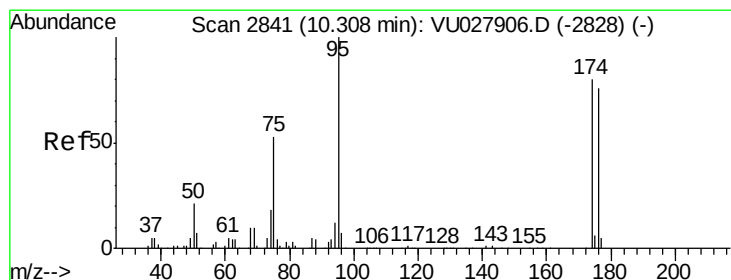
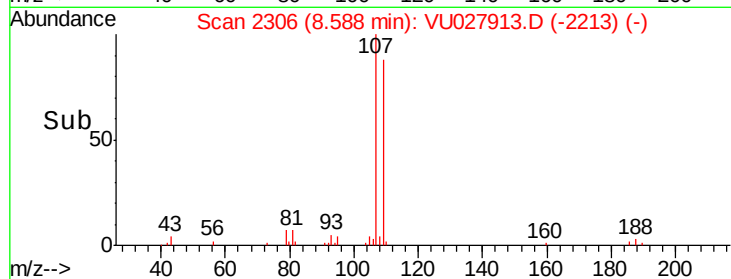
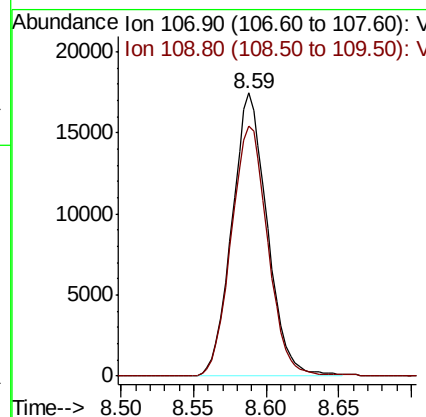
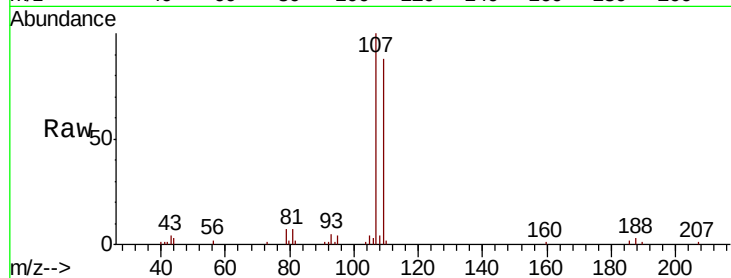
#61
 1,2-Dibromoethane
 Concen: 16.039 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	73.8	110.8

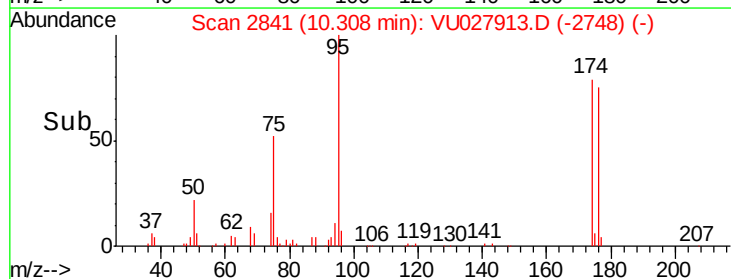
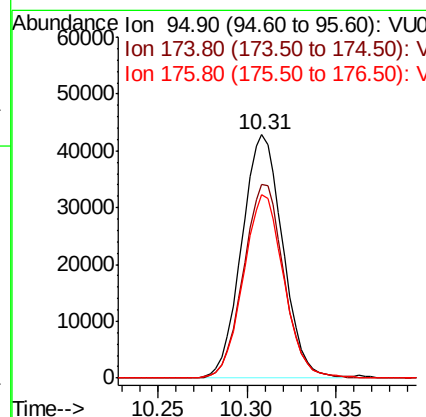
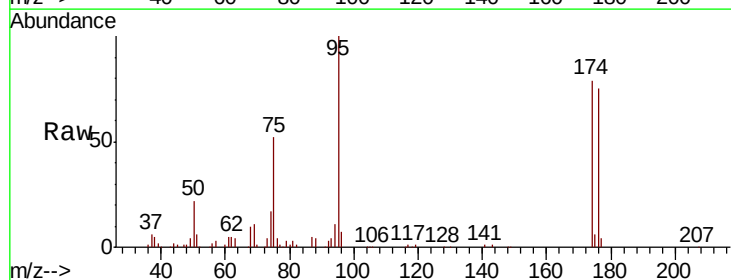
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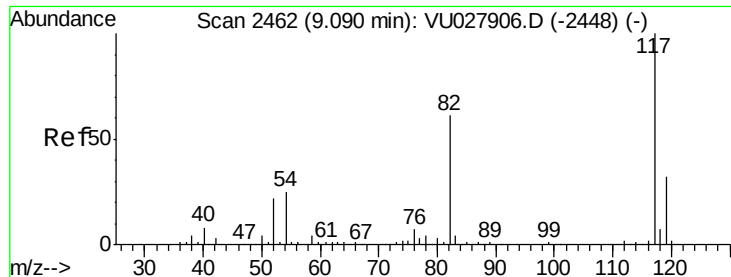
MMDadoda
 11/5/2018 11:29:14 AM



#62
 4-Bromofluorobenzene
 Concen: 33.988 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	156.4
176	74.8	0.0	150.8





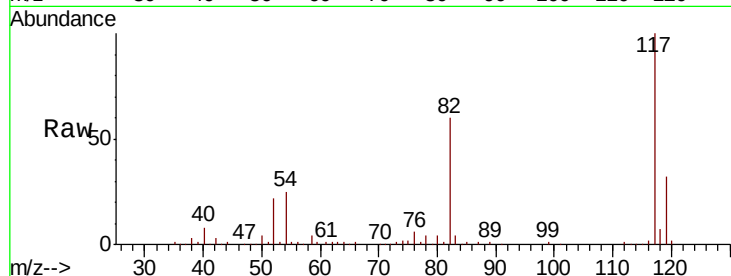
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.4	48.6	73.0
119	32.3	25.8	38.8

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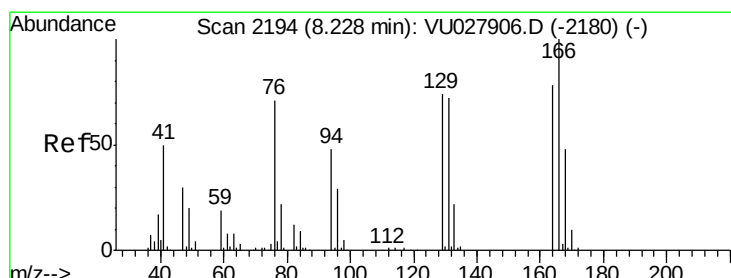
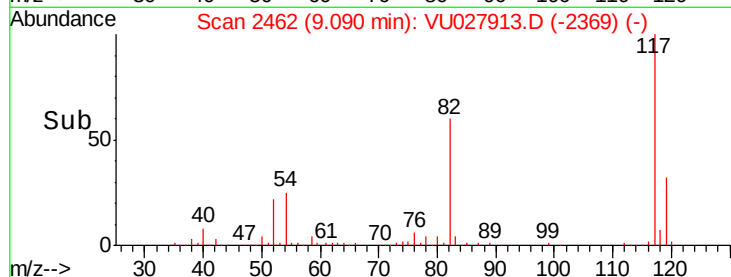
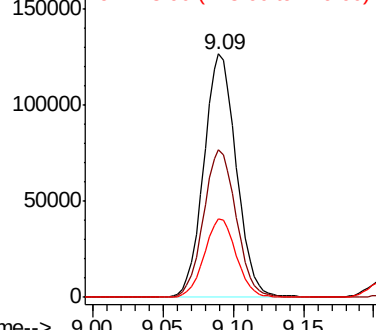


Abundance

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: 16.129 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.8	102.1	153.1
129	97.4	75.9	113.9
131	87.0	73.0	109.6

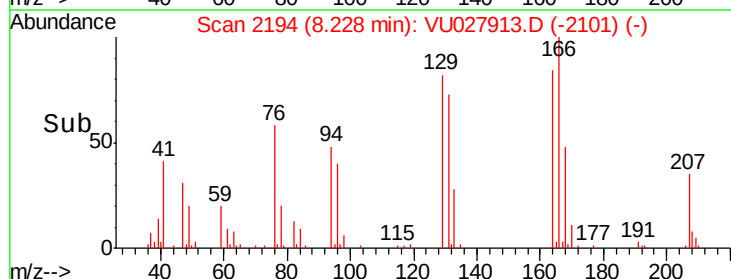
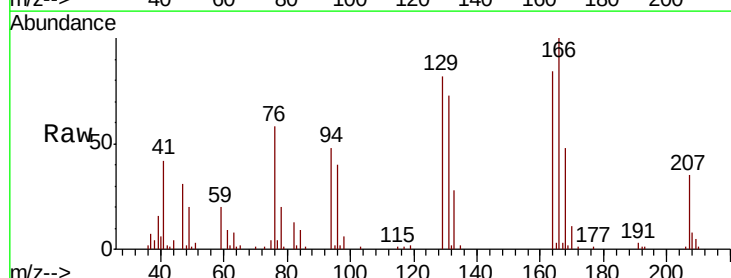
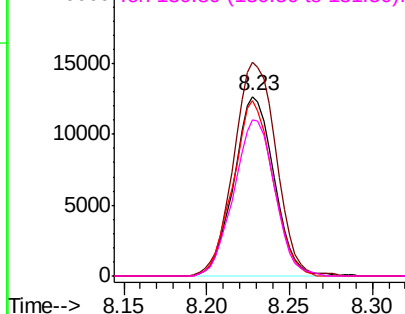
Abundance

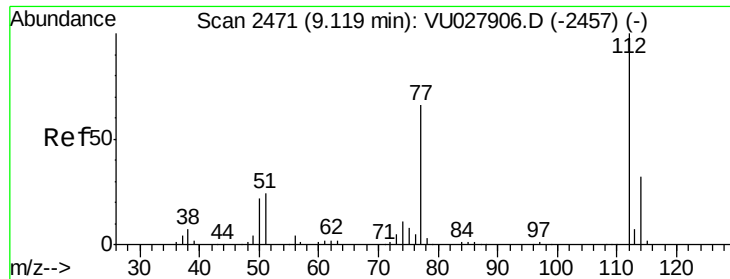
Ion 163.80 (163.50 to 164.50): V

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





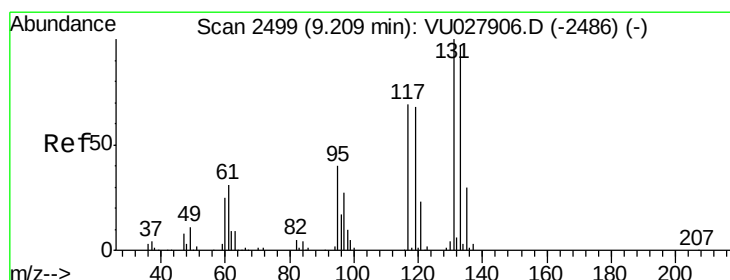
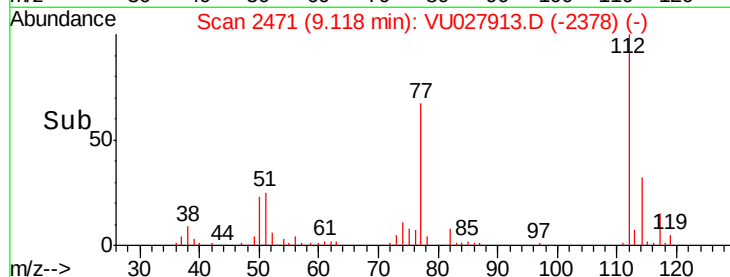
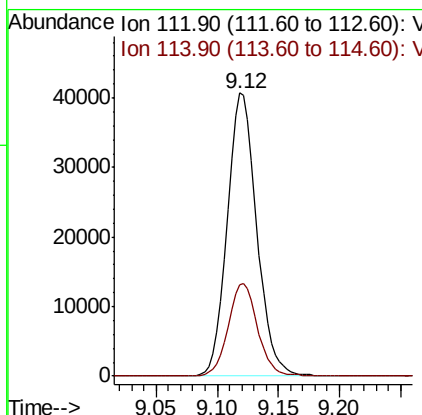
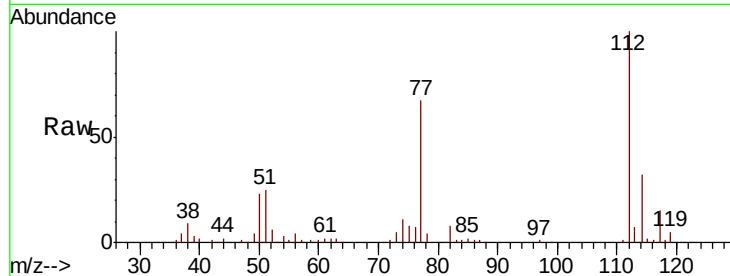
#65
Chlorobenzene
Concen: 15.970 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion:112 Resp: 68935
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8

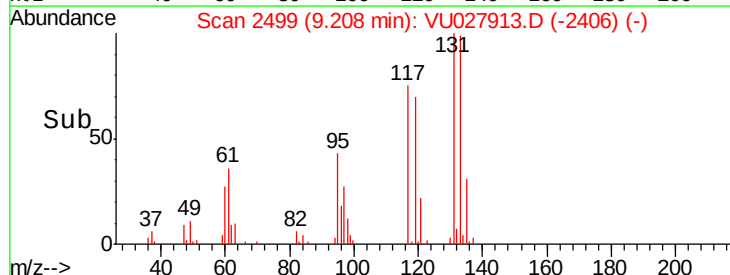
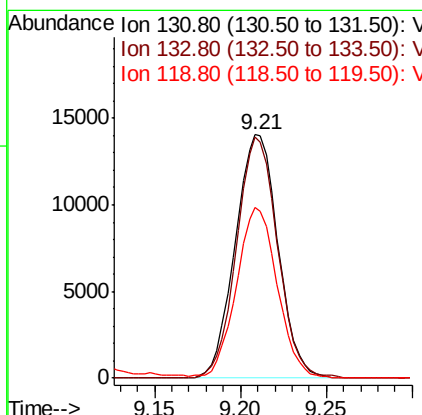
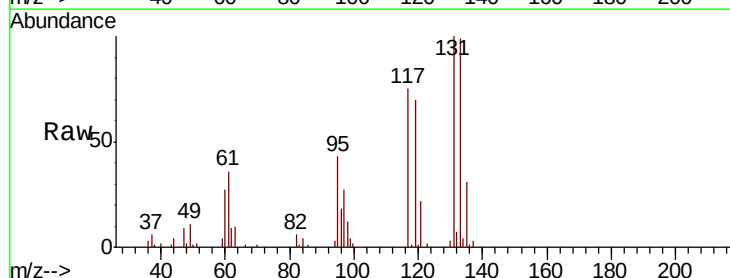
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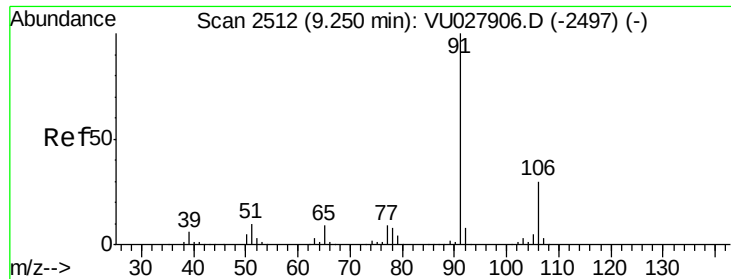
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#66
1,1,1,2-Tetrachloroethane
Concen: 16.458 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion:131 Resp: 24264
Ion Ratio Lower Upper
131 100
133 95.1 48.1 144.4
119 67.3 34.0 101.8





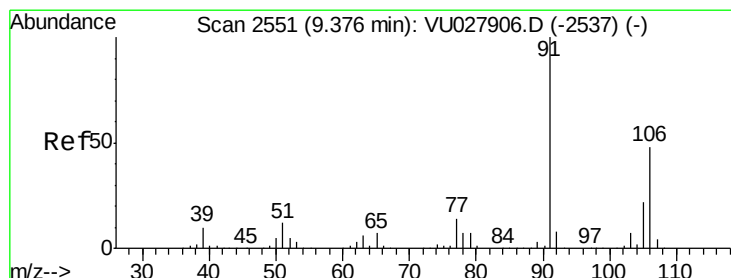
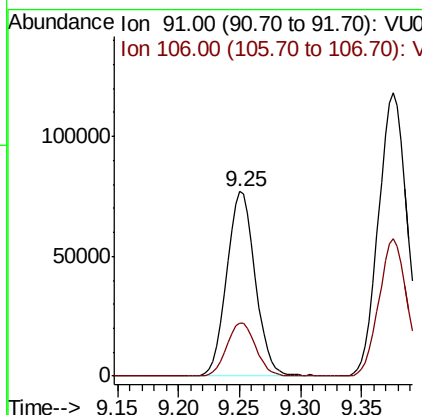
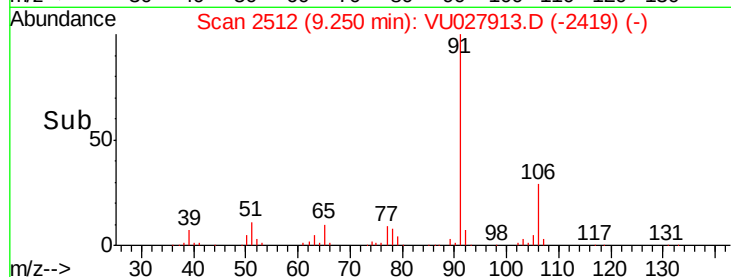
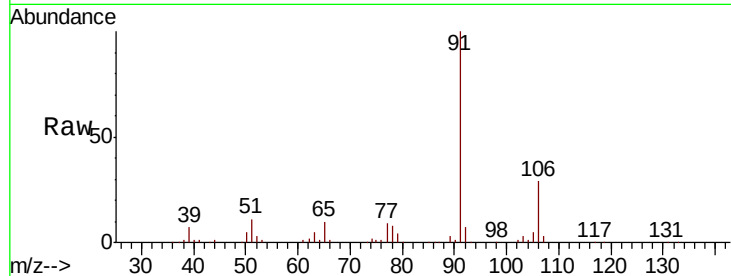
#67
Ethyl Benzene
Concen: 15.921 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion: 91 Resp: 126496
Ion Ratio Lower Upper
91 100
106 28.9 23.6 35.4

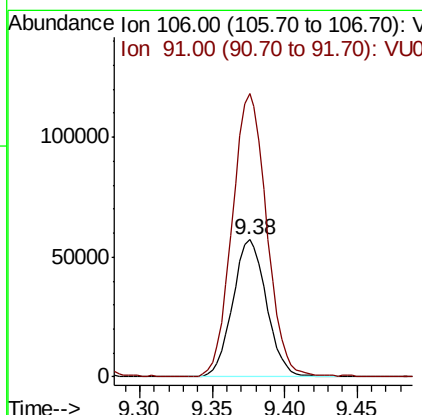
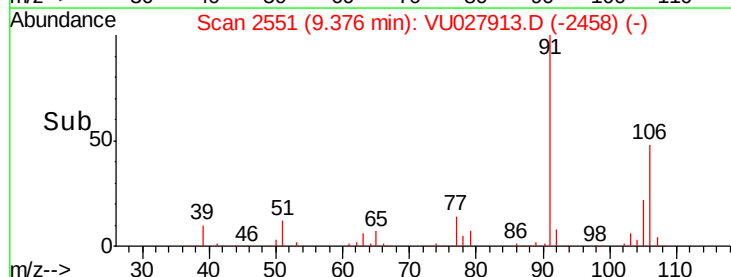
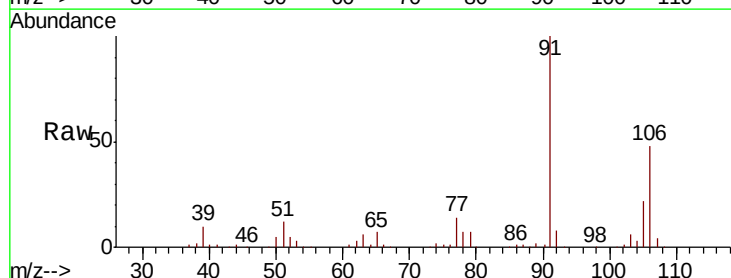
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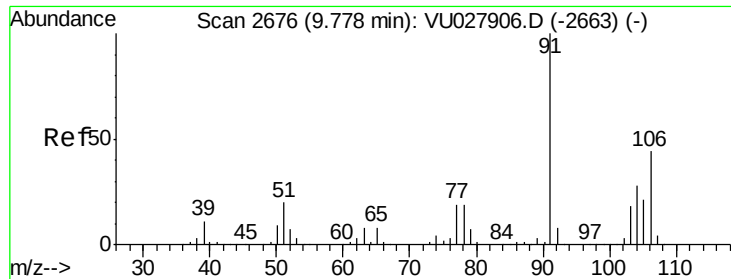
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#68
m/p-Xylenes
Concen: 32.191 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion: 106 Resp: 92801
Ion Ratio Lower Upper
106 100
91 209.0 168.2 252.4





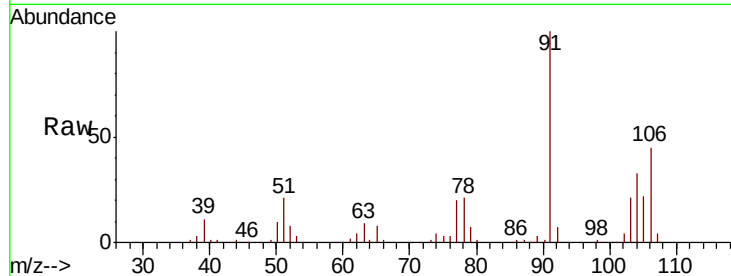
#69
o-Xylene
Concen: 15.776 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

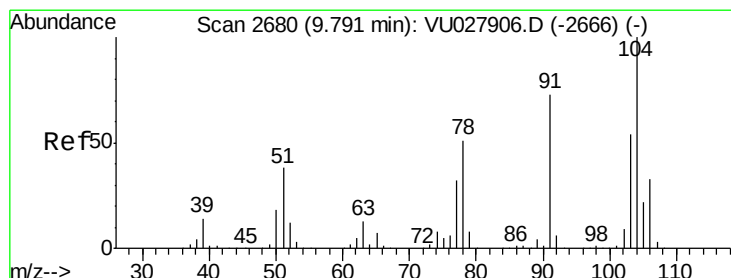
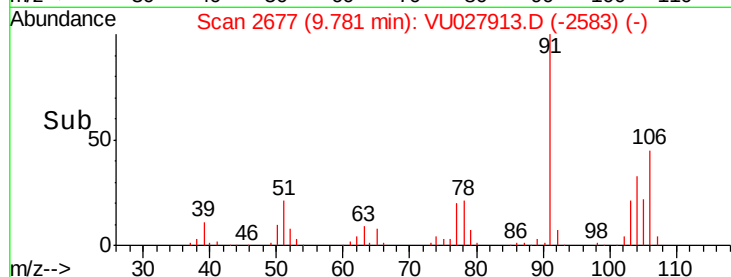
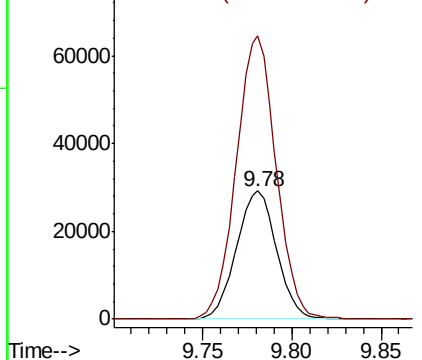
Tot Ion:106 Resp: 45924
Ion Ratio Lower Upper
106 100
91 219.2 111.1 333.4

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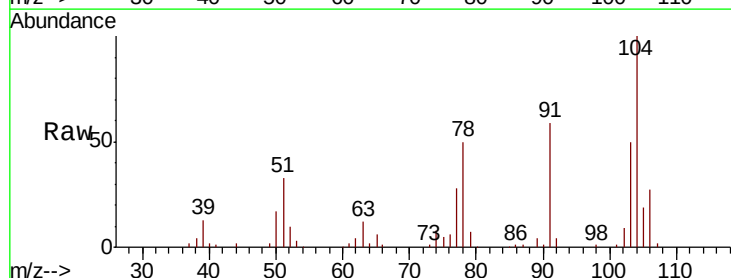


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

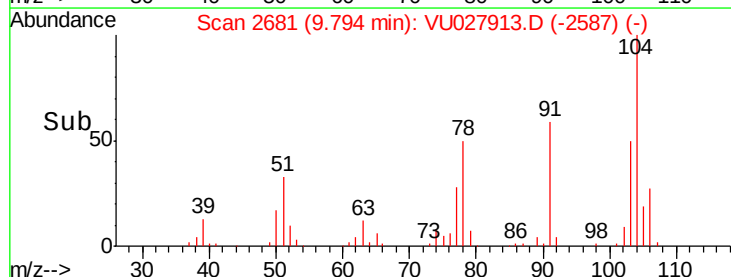
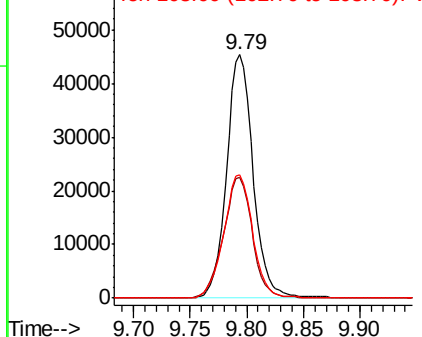


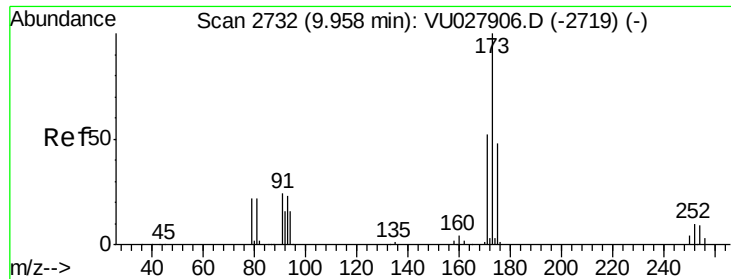
#70
Styrene
Concen: 15.976 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion:104 Resp: 74310
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.4
103 54.9 45.1 67.7



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: 14.680 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

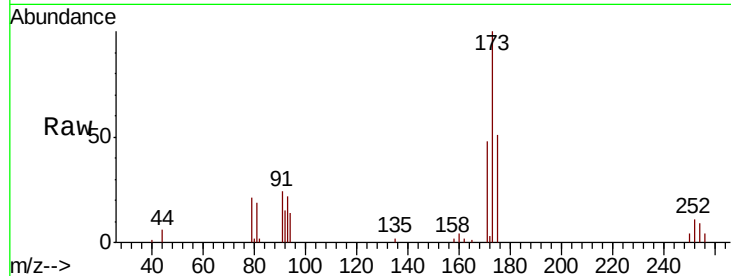
ClientSampleId :

VU1102WBS01

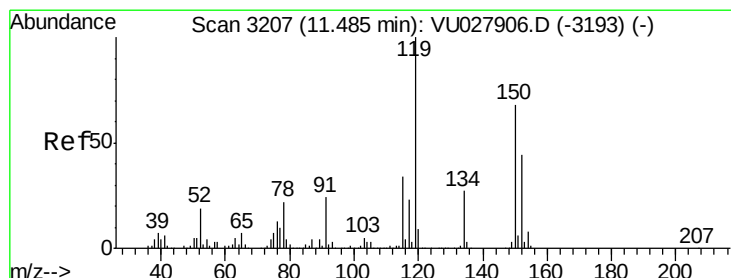
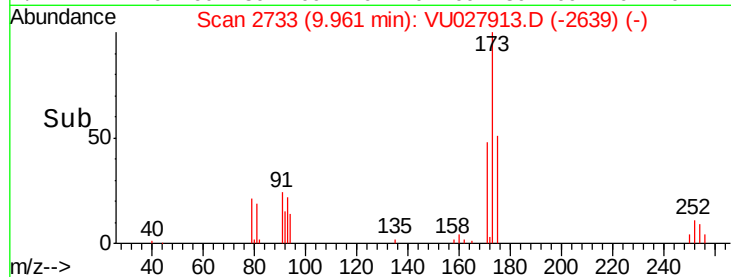
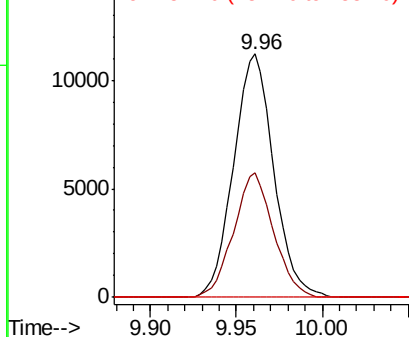
Tot Ion:	173	Resp:	18139
Ion Ratio	Lower	Upper	
173	100		
175	50.8	24.3	72.8
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
15000 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

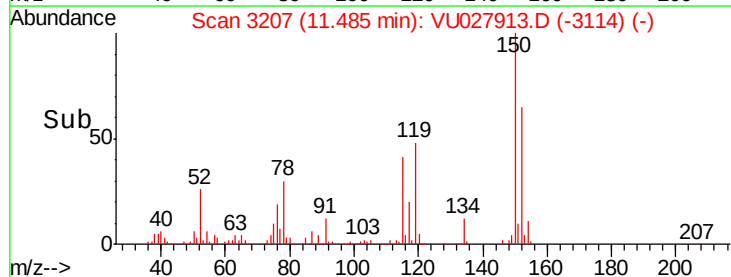
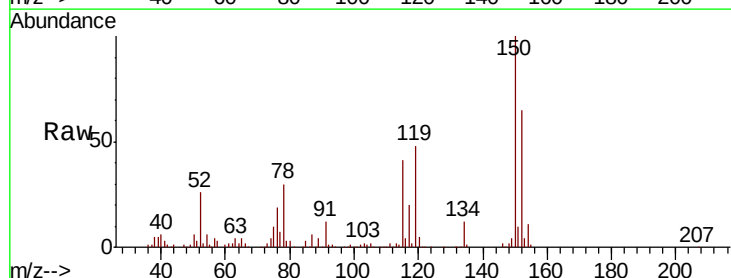
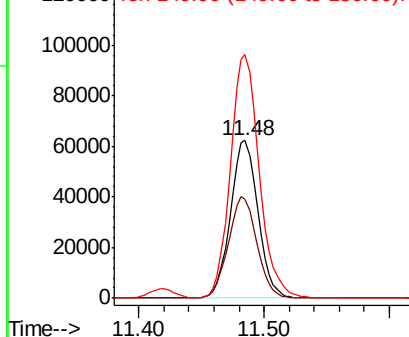
Delta R.T. -0.00 min

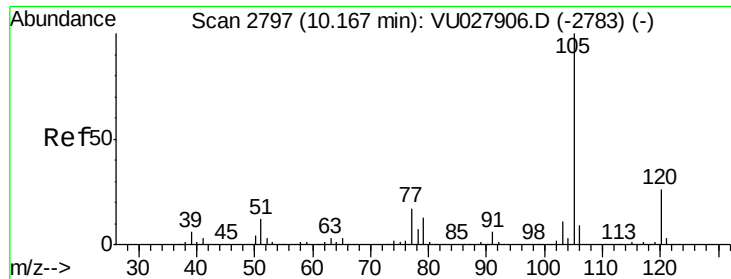
Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Tgt Ion:	152	Resp:	94854
Ion Ratio	Lower	Upper	
152	100		
115	66.5	43.0	129.0
150	160.8	0.0	349.4

Abundance Ion 151.90 (151.60 to 152.60): V
120000 Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





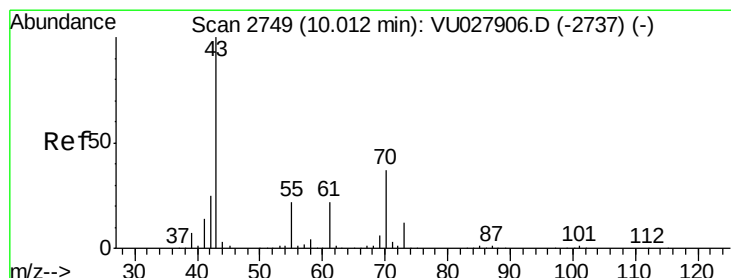
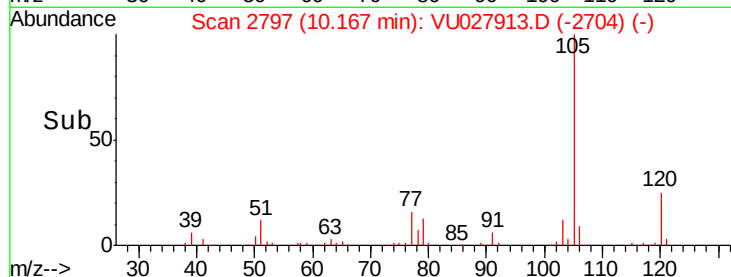
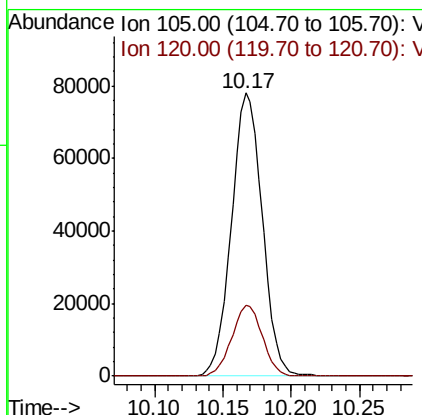
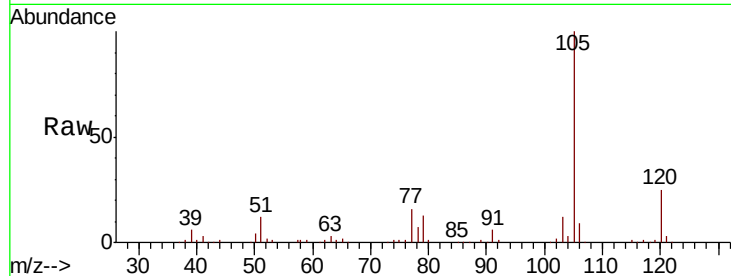
#73
Isopropylbenzene
Concen: 16.694 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.8	12.7	38.0

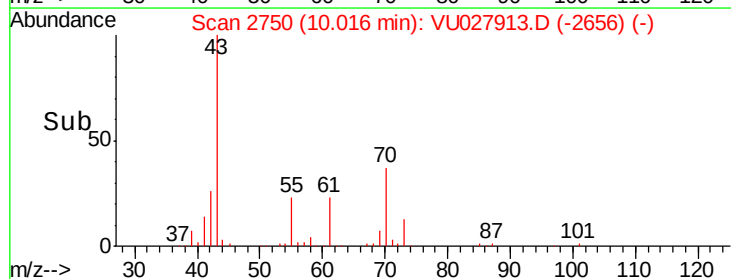
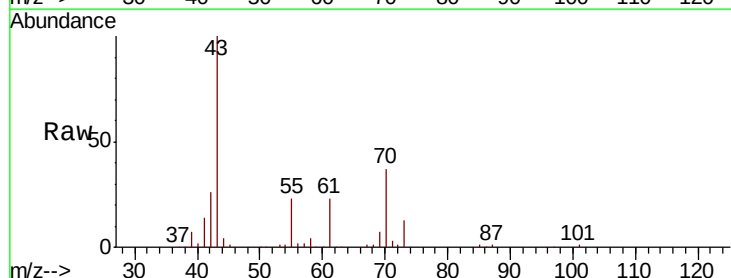
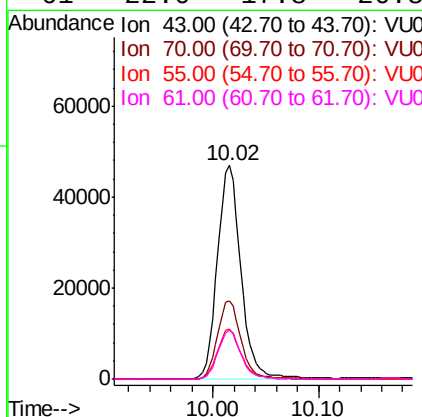
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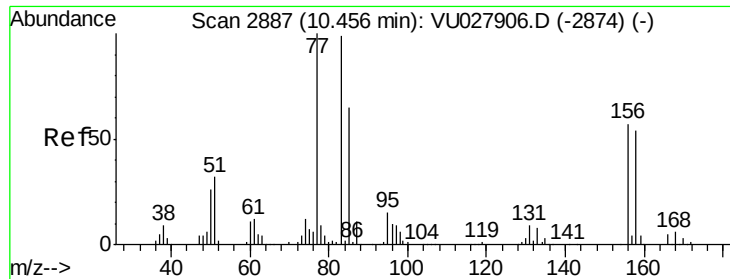
MMDadoda
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#74
N-ethyl acetate
Concen: 16.395 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.1	29.2	43.8
55	23.5	17.8	26.6
61	22.0	17.8	26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 16.379 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

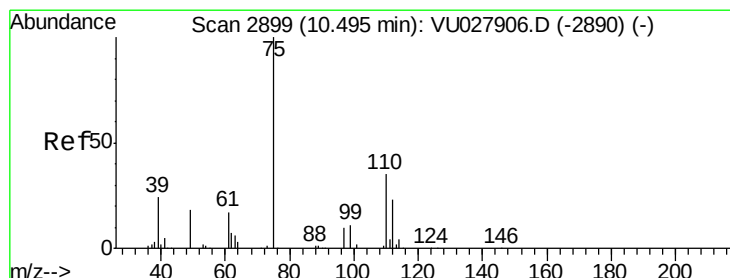
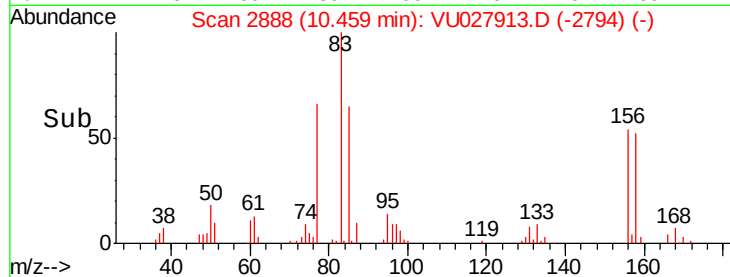
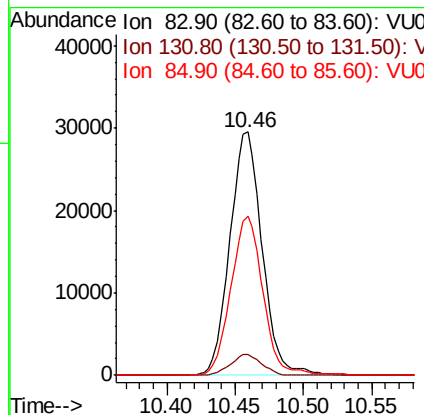
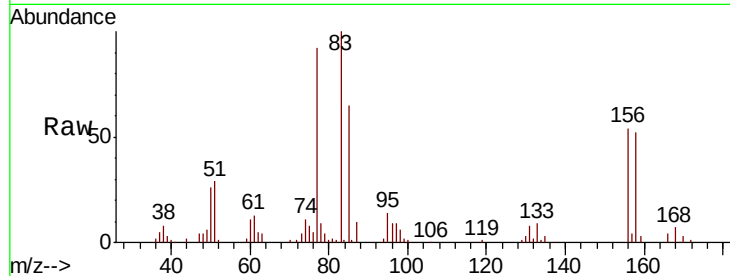
ClientSampleId :

VU1102WBS01

Tot Ion:	83	Resp:	48547
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.3	13.1
85	64.9	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.306 ug/l m

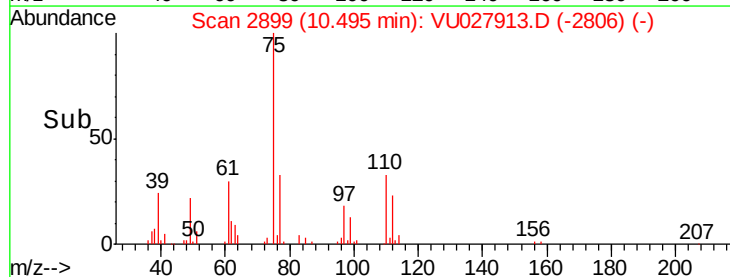
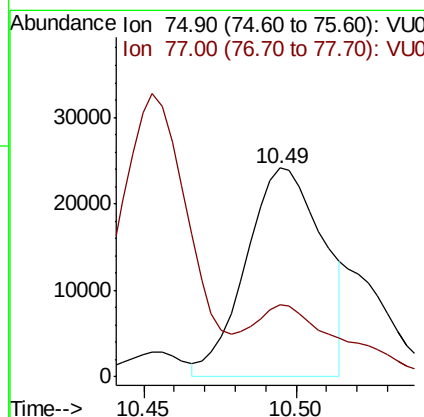
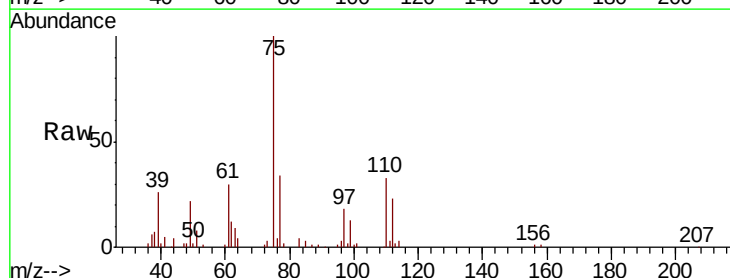
RT: 10.49 min Scan# 2899

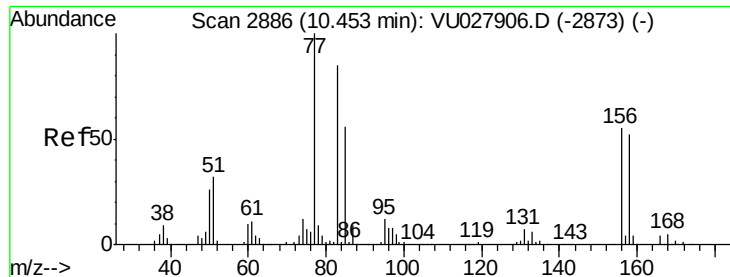
Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Tgt Ion:	75	Resp:	42307
Ion Ratio	Lower	Upper	
75	100		
77	40.2	21.6	64.6





#77

Bromobenzene

Concen: 17.285 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

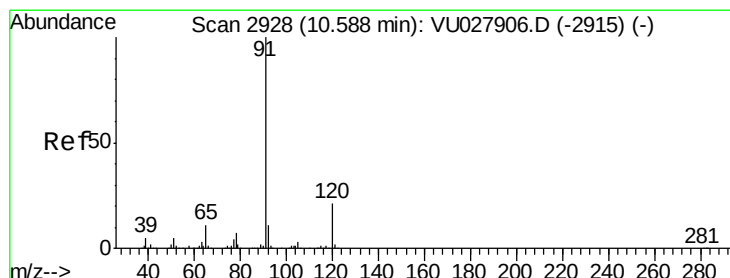
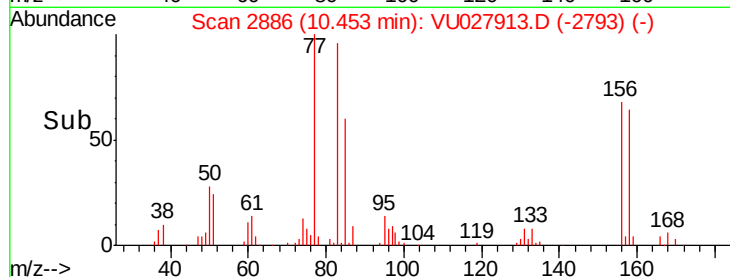
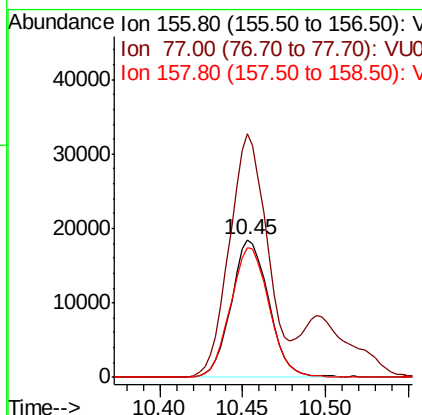
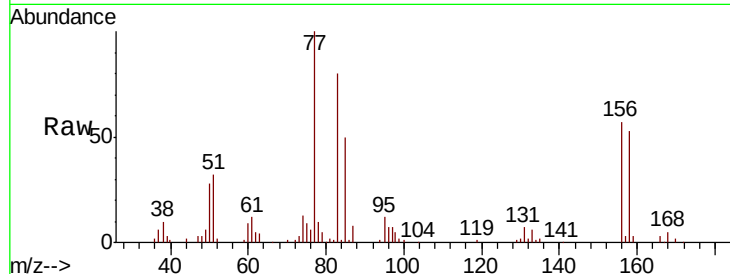
ClientSampleId :

VU1102WBS01

Tot Ion:	156	Resp:	29125
Ion Ratio	Lower	Upper	
156	100		
77	178.8	91.8	275.6
158	96.7	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 16.190 ug/l

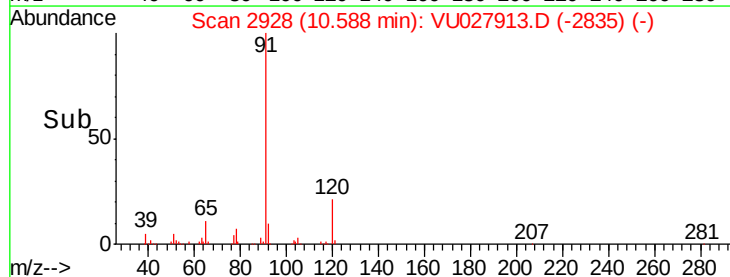
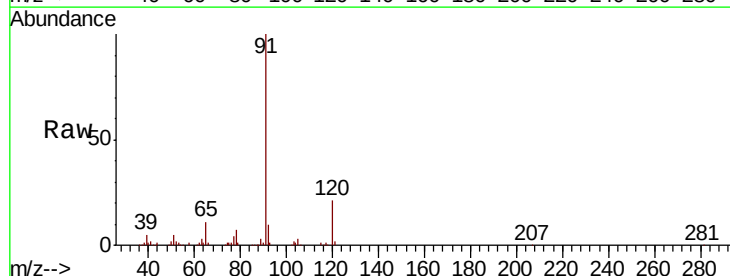
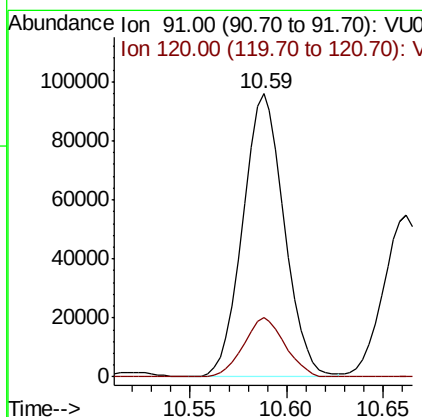
RT: 10.59 min Scan# 2928

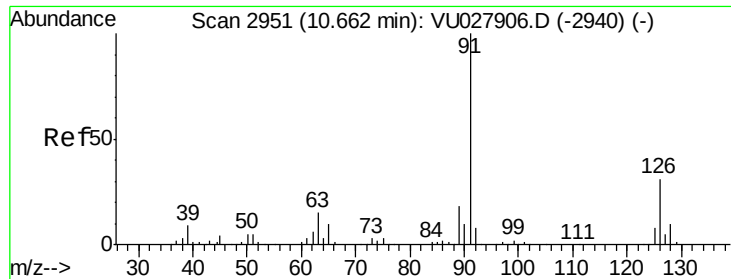
Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Tgt Ion:	91	Resp:	142401
Ion Ratio	Lower	Upper	
91	100		
120	21.0	10.6	31.8





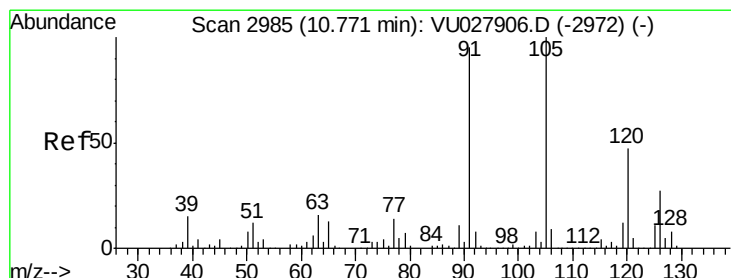
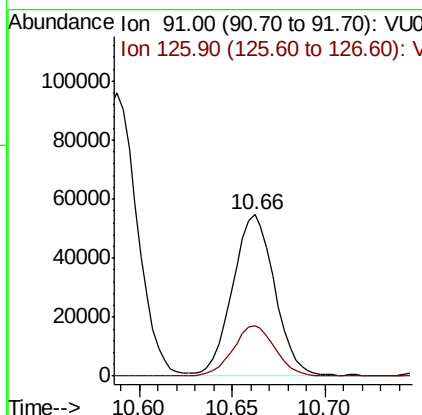
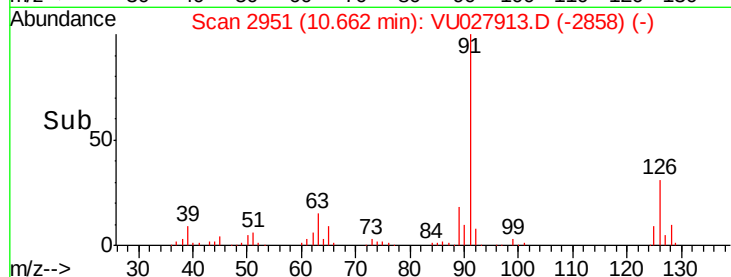
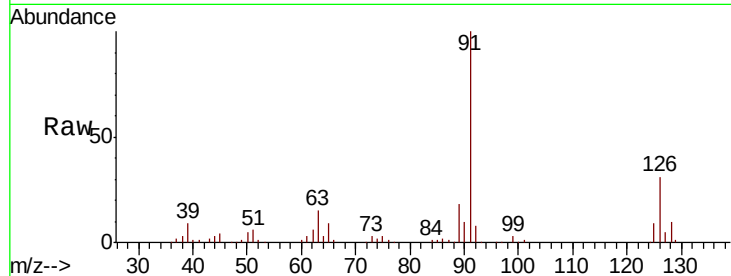
#79
 2-Chlorotoluene
 Concen: 16.171 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.0	47.9

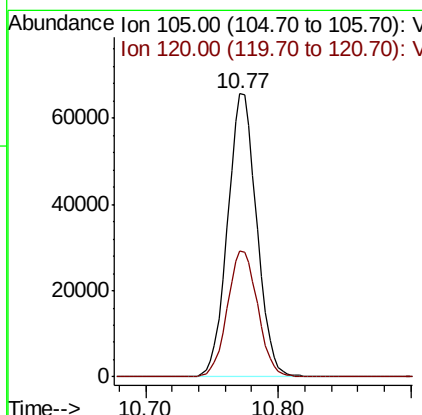
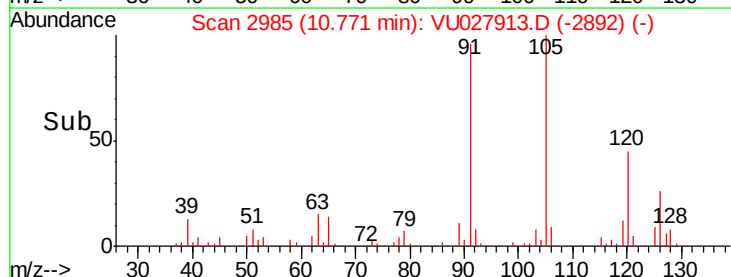
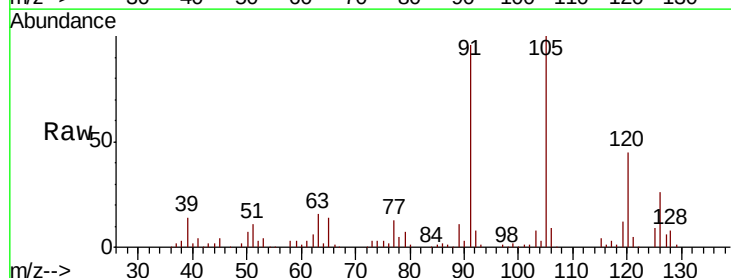
Manual Integrations
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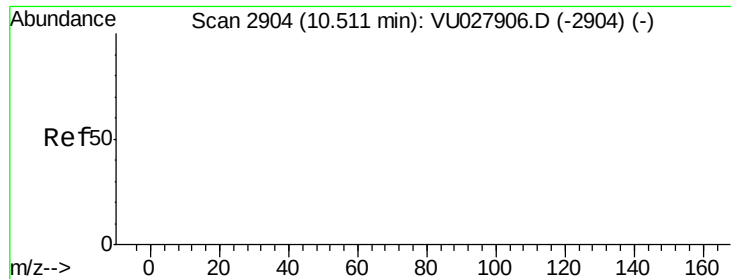
MMDadoda
 11/5/2018 11:29:14 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 16.478 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.3	69.9





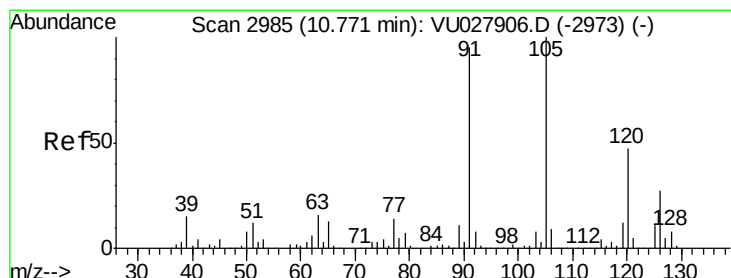
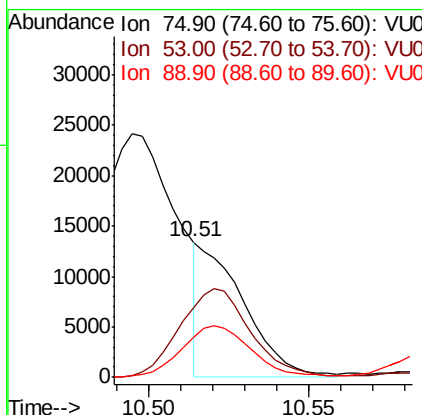
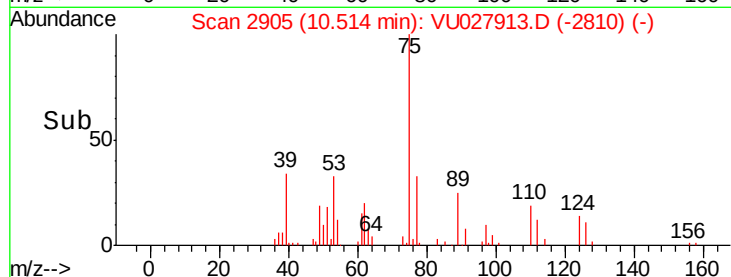
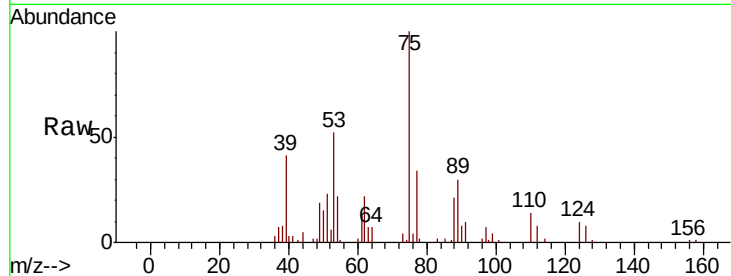
#81
trans-1,4-Dichloro-2-butene
Concen: 12.692 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

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

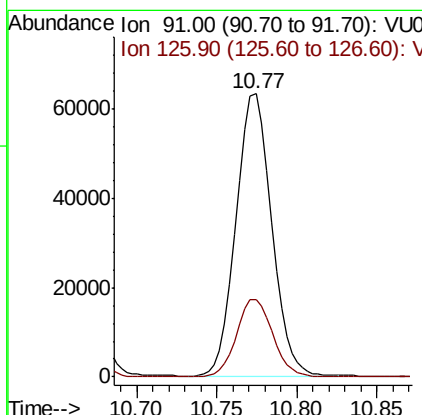
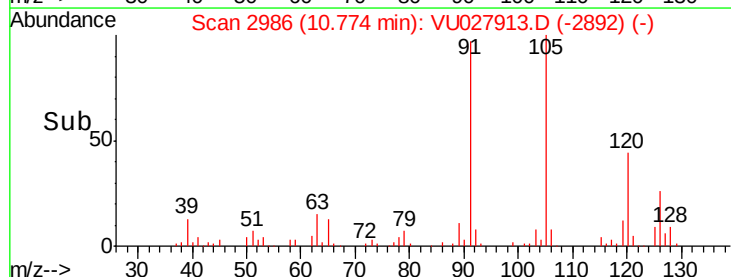
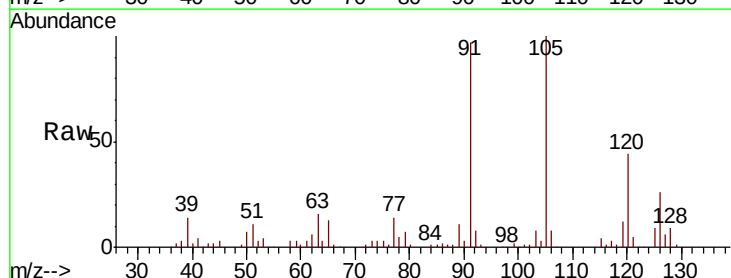
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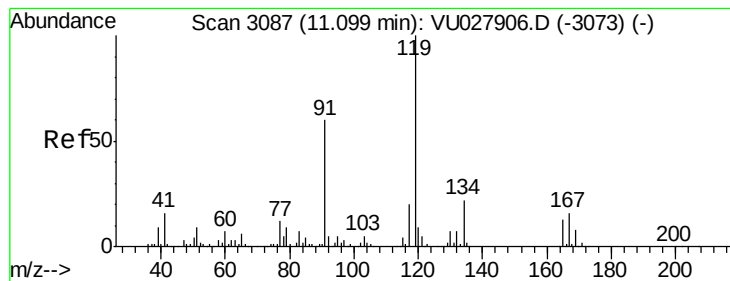
MMDadoda
11/5/2018 11:29:14 AM



#82
4-Chlorotoluene
Concen: 16.008 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.2	42.6





#83

tert-Butylbenzene

Concen: 16.191 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

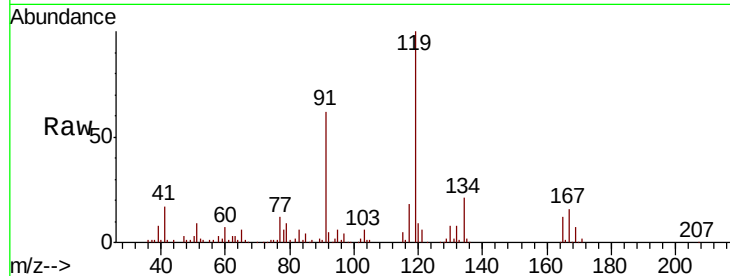
ClientSampleId :

VU1102WBS01

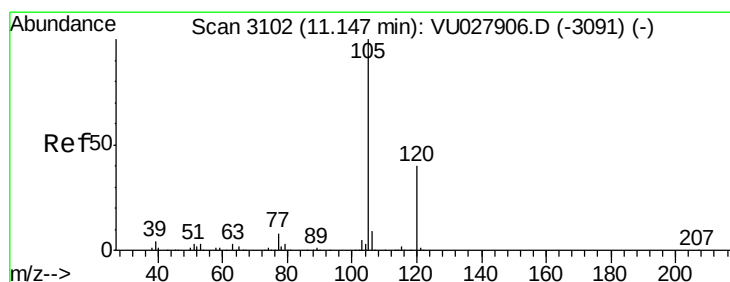
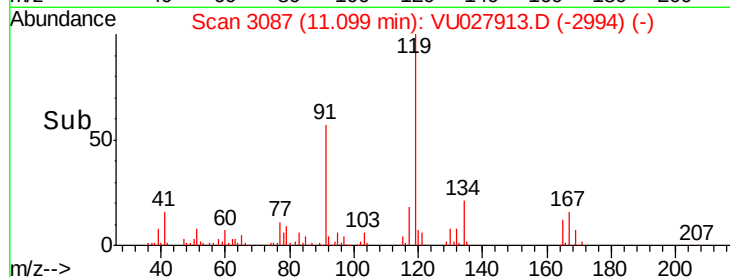
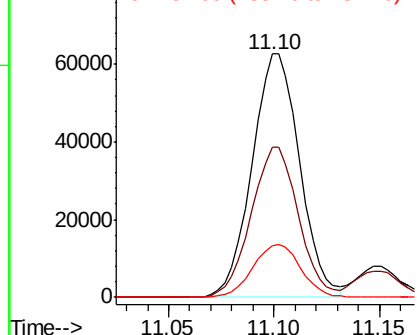
Tot Ion:	119	Resp:	98532
Ion Ratio	Lower	Upper	
119	100		
91	61.3	29.8	89.3
134	21.9	11.1	33.1

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 16.762 ug/l

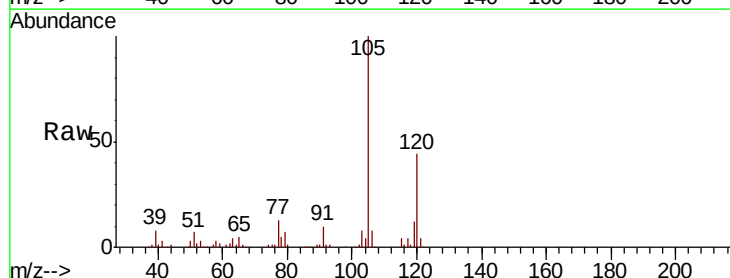
RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

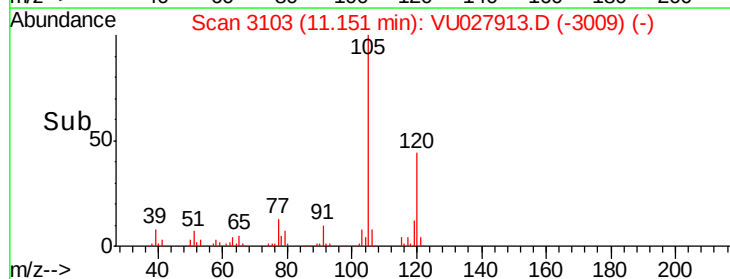
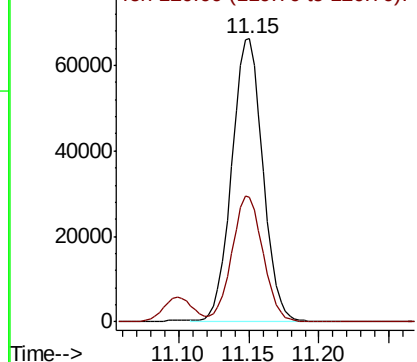
Lab File: VU027913.D

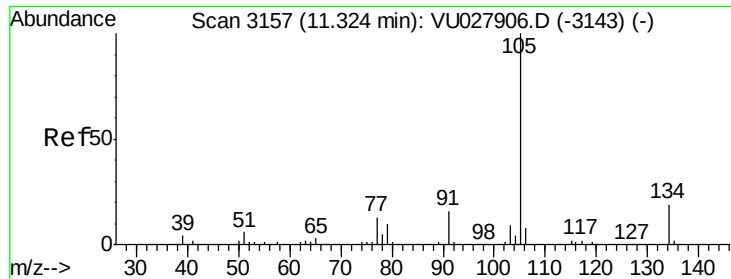
Acq: 02 Nov 2018 10:09

Tgt Ion:	105	Resp:	102742
Ion Ratio	Lower	Upper	
105	100		
120	44.2	22.1	66.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 16.548 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

Tot Ion:105 Resp: 122469

Ion Ratio Lower Upper

105 100

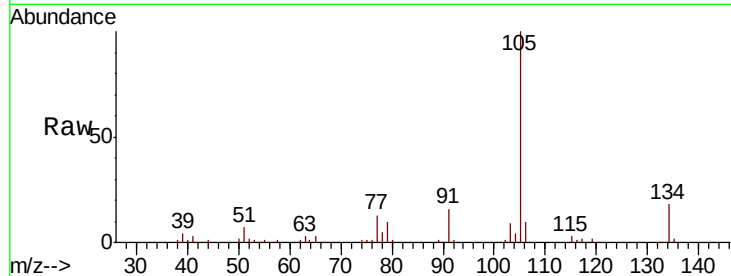
134 17.9 9.2 27.6

Manual Integrations

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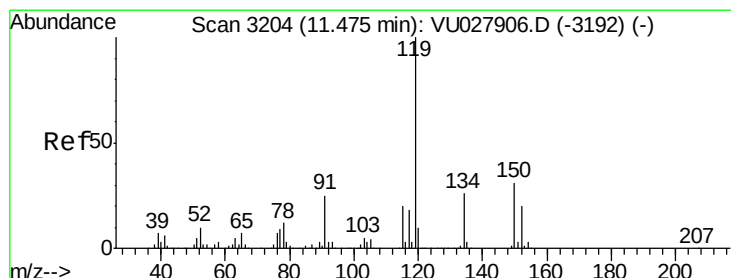
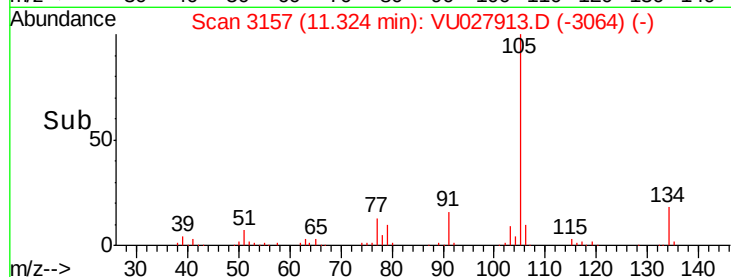
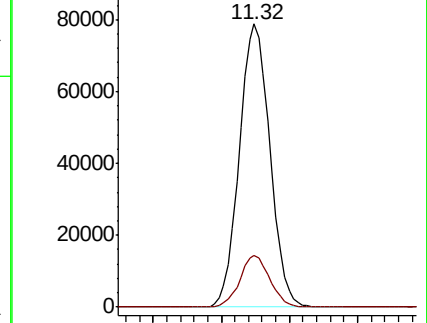
MMDadoda

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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: 16.265 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

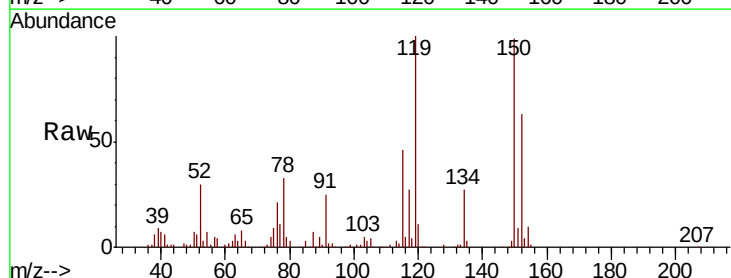
Tgt Ion:119 Resp: 100631

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

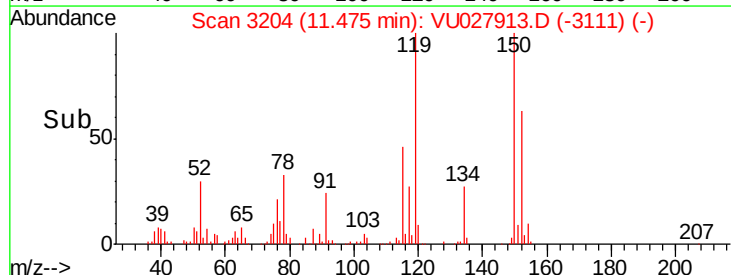
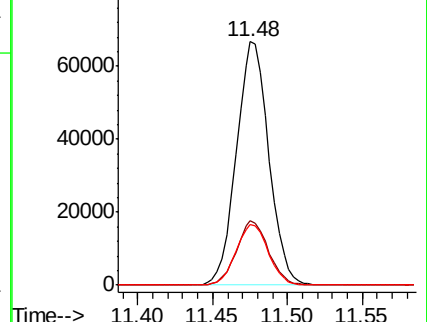
91 24.8 12.4 37.2

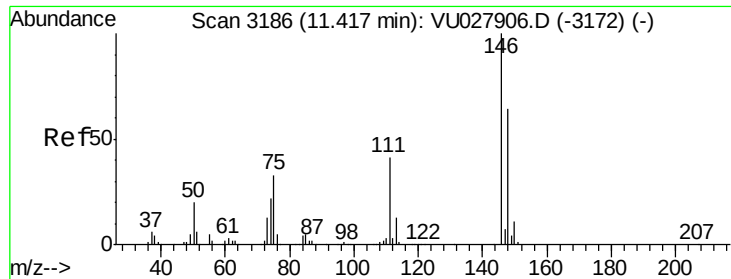


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





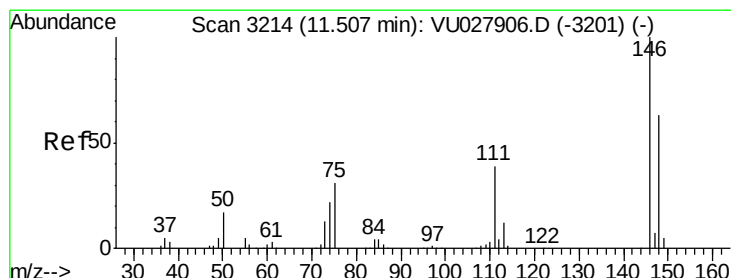
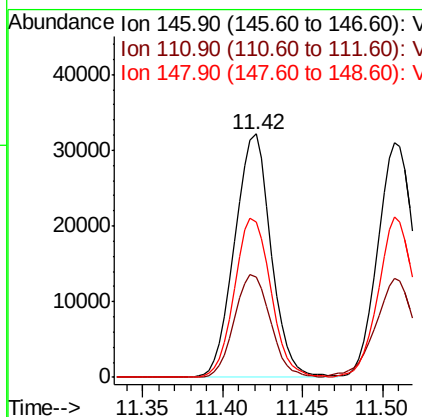
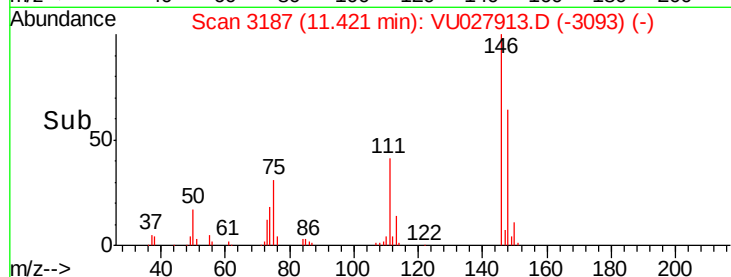
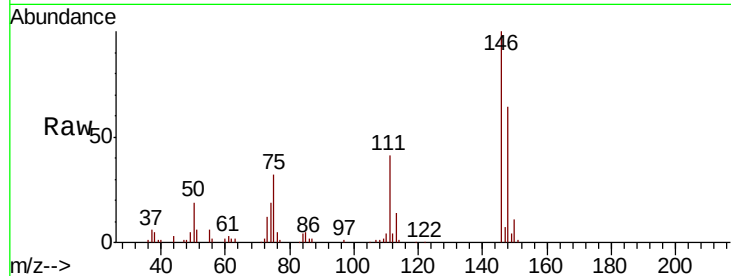
#87
 1,3-Dichlorobenzene
 Concen: 16.004 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	61.0
148	65.4	31.8	95.4

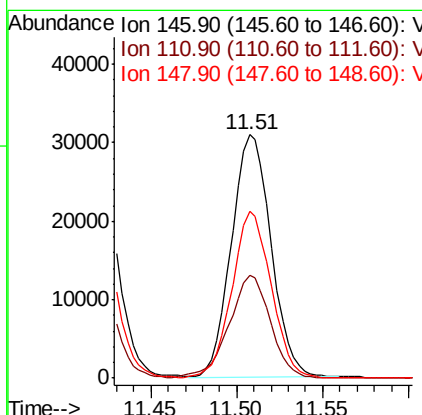
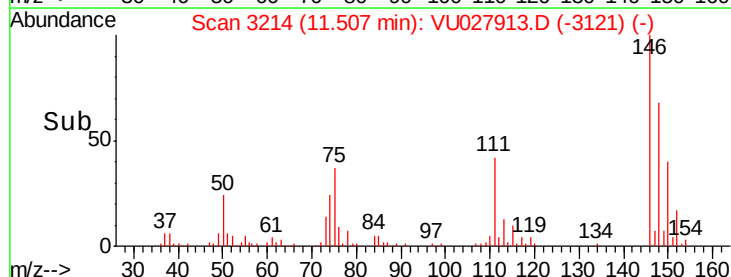
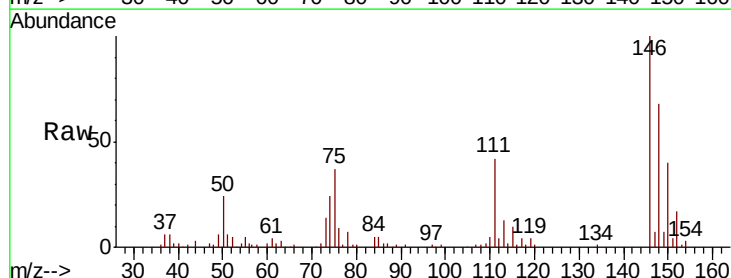
Manual Integrations
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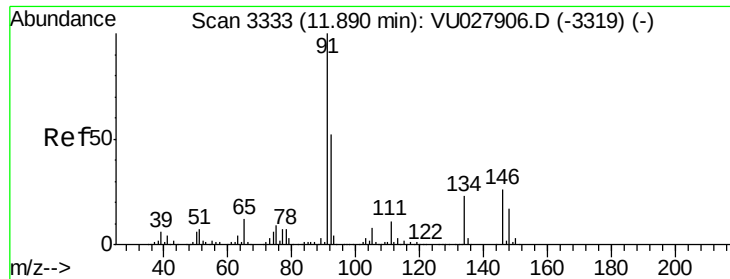
MMDadoda
 11/5/2018 11:29:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 15.572 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	20.3	60.9
148	67.9	32.0	96.2





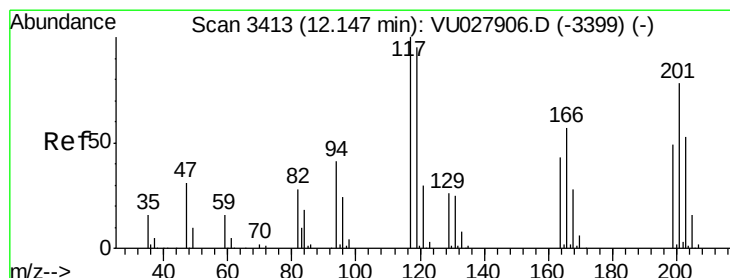
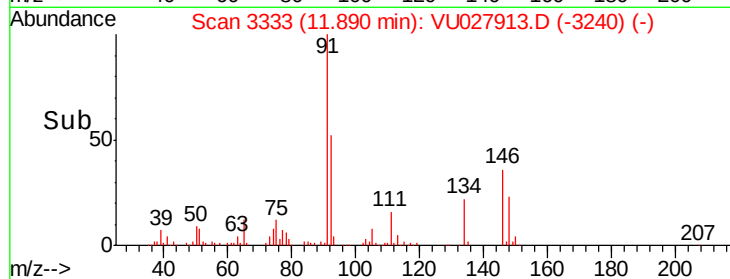
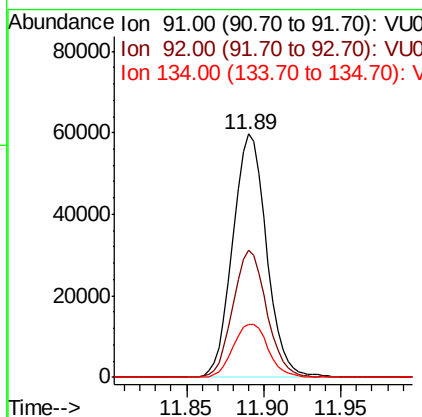
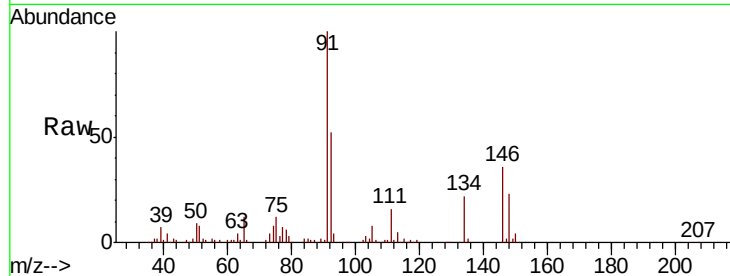
#89
n-Butylbenzene
Concen: 15.410 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	22.7	11.5	34.5

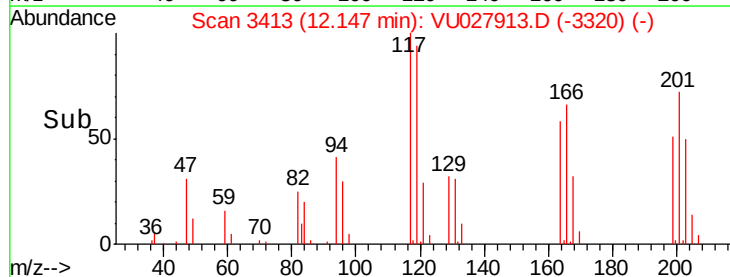
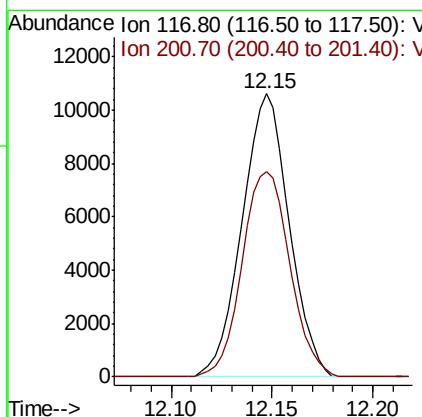
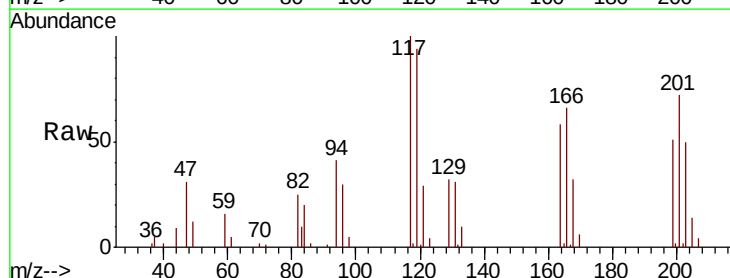
Manual Integrations
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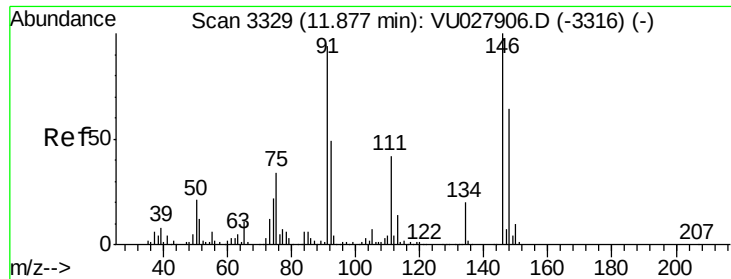
MMDadoda
11/5/2018 11:29:14 AM



#90
Hexachloroethane
Concen: 15.742 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.7	38.5	115.5





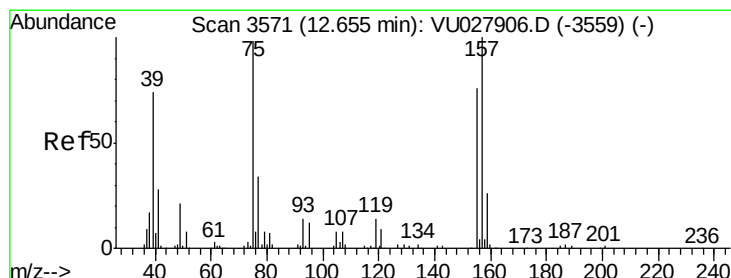
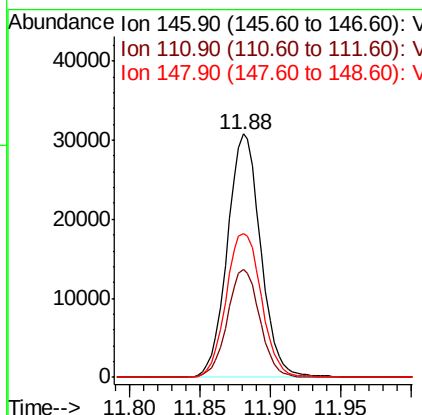
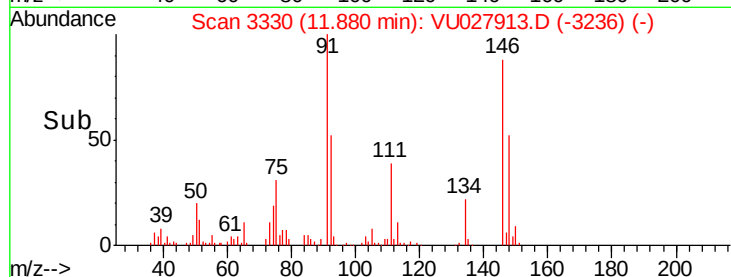
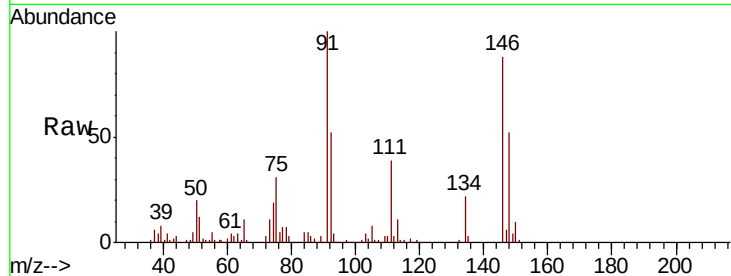
#91
 1,2-Dichlorobenzene
 Concen: 16.233 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	64.0
148	62.6	31.8	95.3

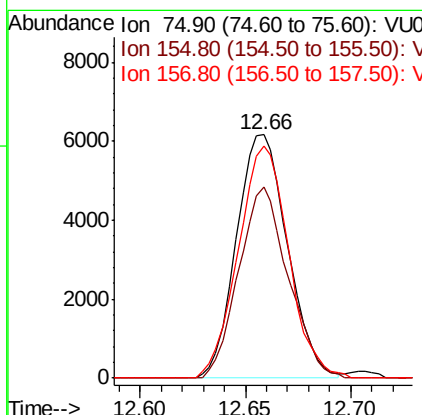
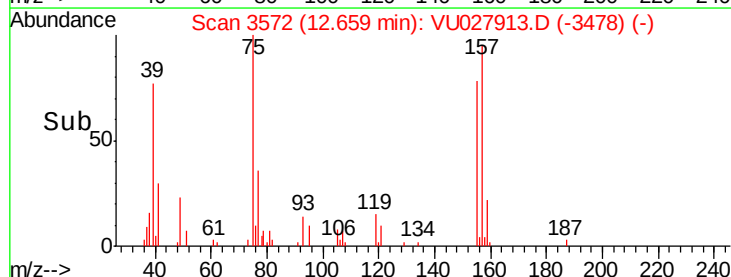
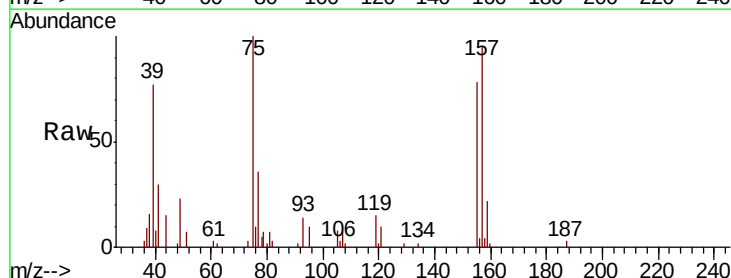
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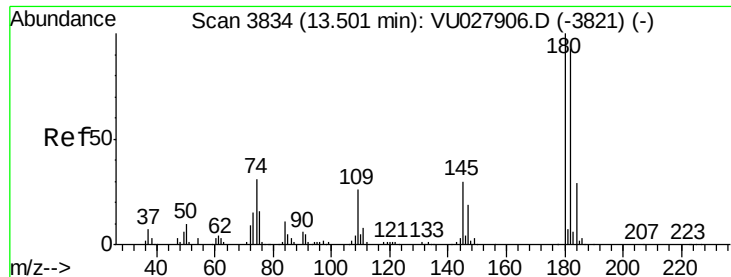
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.560 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.3	39.8	119.3
157	94.4	50.6	151.9





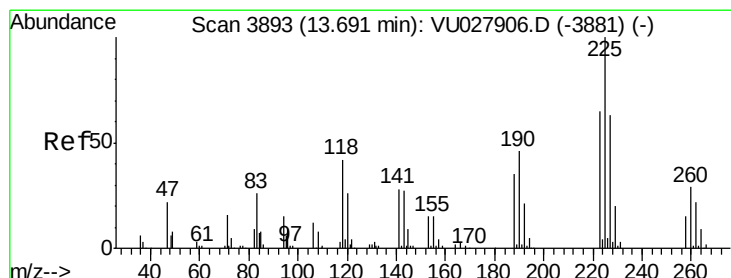
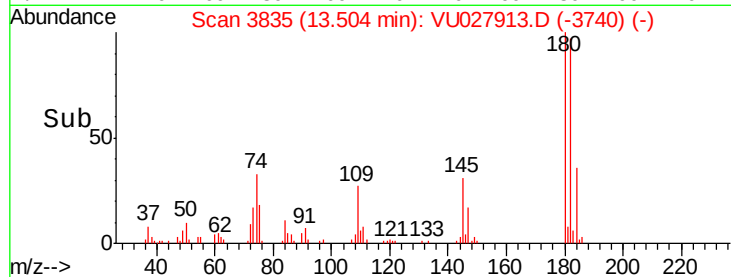
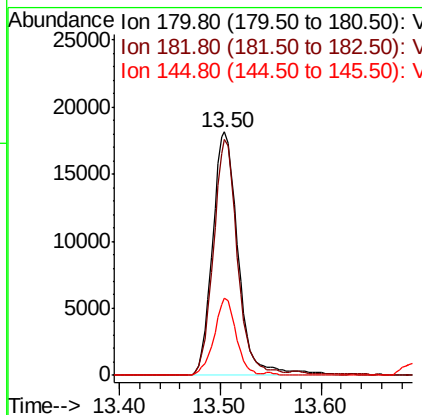
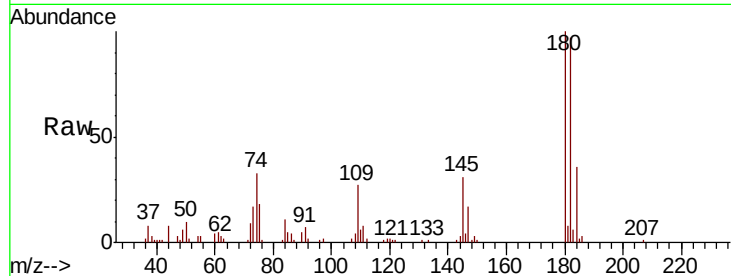
#93
 1,2,4-Trichlorobenzene
 Concen: 15.099 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.7	48.4	145.2
145	27.2	14.9	44.5

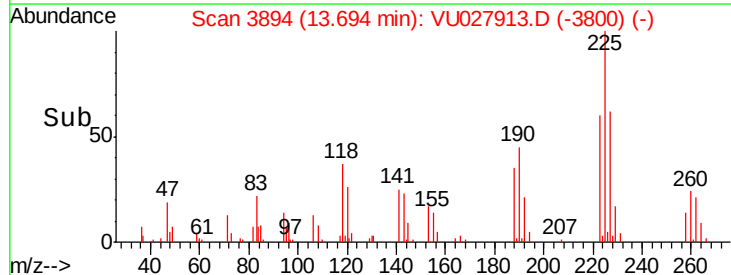
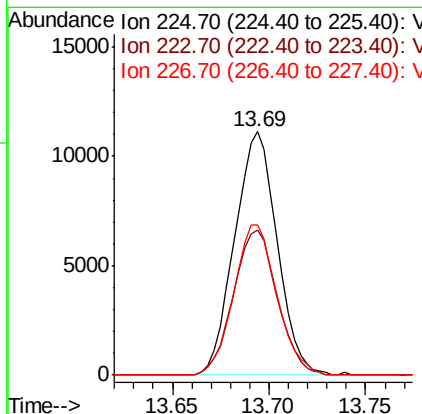
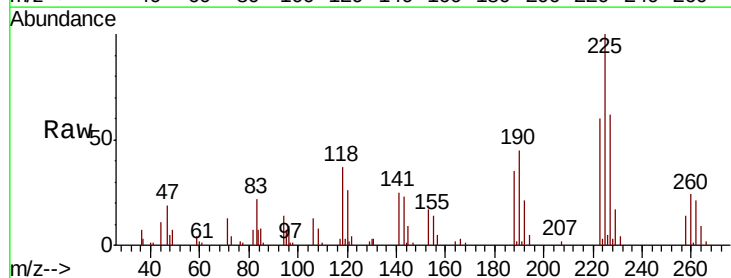
Manual Integrations
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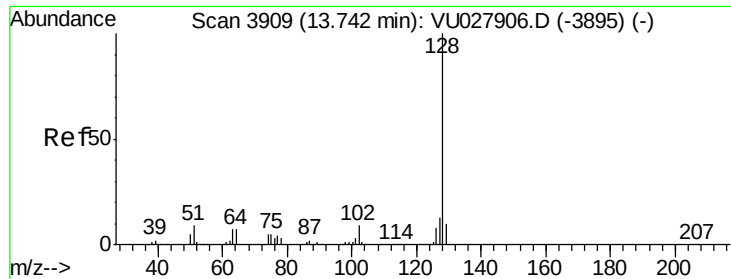
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 11/5/2018 11:29:14 AM



#94
 Hexachlorobutadiene
 Concen: 17.105 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	32.2	96.6
227	62.6	32.5	97.4





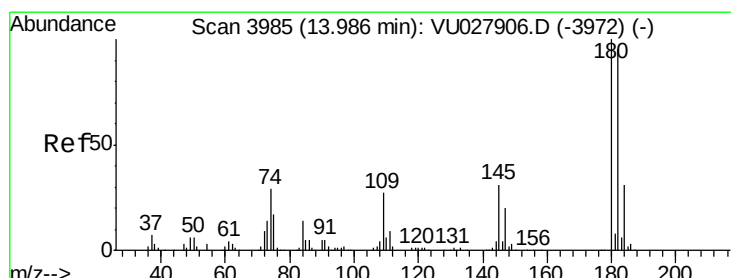
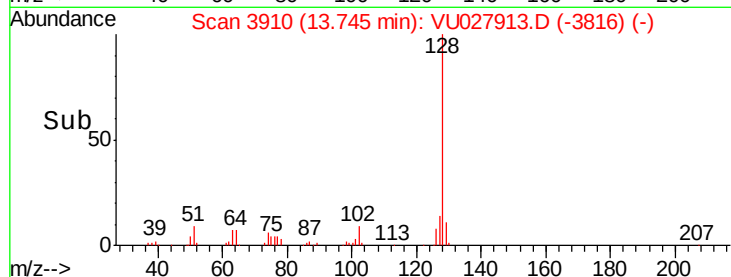
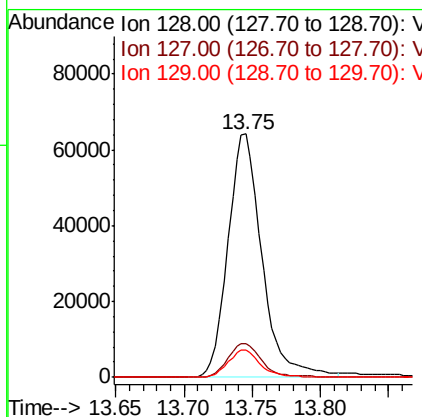
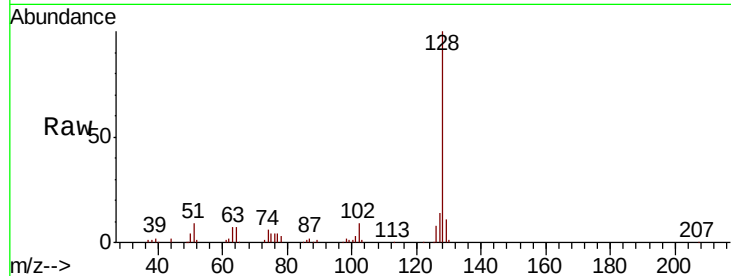
#95
Naphthalene
Concen: 14.155 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.4	15.6
129	10.7	8.3	12.5

Manual Integrations
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11/5/2018 11:29:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 15.940 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.4	142.3
145	31.9	16.0	47.9

