

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110818\
 Data File : VU028016.D
 Acq On : 08 Nov 2018 11:22
 Operator : MD/SY
 Sample : VU1108WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 12:03:09 PM

Quant Time: Nov 08 11:47:45 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	4.99	168	186009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	328279	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	296988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	142271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	134824	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
35) Dibromofluoromethane	4.89	113	101980	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	7.57	98	384317	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
62) 4-Bromofluorobenzene	10.31	95	140463	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	36177	15.306	ug/l 96
3) Chloromethane	1.33	50	49797	17.421	ug/l 96
4) Vinyl Chloride	1.40	62	50008	17.626	ug/l 100
5) Bromomethane	1.63	94	23767	22.704	ug/l 97
6) Chloroethane	1.70	64	31094	19.018	ug/l 97
7) Trichlorofluoromethane	1.89	101	61702	18.821	ug/l 98
8) Diethyl Ether	2.11	74	27873	19.856	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	35422	18.188	ug/l 97
10) Methyl Iodide	2.41	142	28147	21.054	ug/l 99
11) Tert butyl alcohol	2.82	59	70866	96.796	ug/l 100
12) 1,1-Dichloroethene	2.29	96	33817	17.347	ug/l 93
13) Acrolein	2.20	56	13957	46.291	ug/l 96
14) Allyl chloride	2.59	41	83605	17.547	ug/l 97
15) Acrylonitrile	2.94	53	176059	97.899	ug/l 99
16) Acetone	2.32	43	164338	95.779	ug/l 99
17) Carbon Disulfide	2.48	76	101578	15.941	ug/l 100
18) Methyl Acetate	2.62	43	92410	19.579	ug/l 97
19) Methyl tert-butyl Ether	3.00	73	153428	19.516	ug/l 98
20) Methylene Chloride	2.70	84	46529	18.573	ug/l 98
21) trans-1,2-Dichloroethene	2.99	96	40119	17.832	ug/l 97
22) Diisopropyl ether	3.58	45	192867	19.607	ug/l 95
23) Vinyl Acetate	3.53	43	810529	95.876	ug/l 99
24) 1,1-Dichloroethane	3.45	63	92649	18.909	ug/l 100
25) 2-Butanone	4.26	43	260130	95.296	ug/l 97
26) 2,2-Dichloropropane	4.23	77	71654	19.487	ug/l 100
27) cis-1,2-Dichloroethene	4.23	96	48452	19.205	ug/l 98
28) Bromochloromethane	4.55	49	47569	20.710	ug/l 98
29) Tetrahydrofuran	4.64	42	166205	91.185	ug/l 98
30) Chloroform	4.68	83	84319	18.769	ug/l 100
31) Cyclohexane	5.00	56	88288	17.256	ug/l 97
32) 1,1,1-Trichloroethane	4.92	97	69481	19.429	ug/l 99
36) 1,1-Dichloropropene	5.14	75	61053	17.757	ug/l 99
37) Ethyl Acetate	4.38	43	90251	17.915	ug/l 98
38) Carbon Tetrachloride	5.14	117	55120	18.090	ug/l 98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	74646	18.001	ug/l	99
40) Benzene	5.39	78	194506	18.504	ug/l	100
41) Methacrylonitrile	4.55	41	51466	19.143	ug/l	98
42) 1,2-Dichloroethane	5.40	62	68209	18.255	ug/l	99
43) Isopropyl Acetate	5.55	43	147964	18.747	ug/l	99
44) Trichloroethene	6.19	130	42468	18.795	ug/l	100
45) 1,2-Dichloropropane	6.44	63	58346	19.246	ug/l	99
46) Dibromomethane	6.56	93	33297	19.108	ug/l	96
47) Bromodichloromethane	6.76	83	64221	19.124	ug/l	98
48) Methyl methacrylate	6.63	41	71937	18.599	ug/l	98
49) 1,4-Dioxane	6.62	88	25744	407.976	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	489507	92.869	ug/l	100
52) Toluene	7.64	92	113396	18.349	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	72644	18.172	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	81912	19.787	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	48435	19.264	ug/l	97
56) Ethyl methacrylate	8.02	69	85660	19.320	ug/l	98
57) 1,3-Dichloropropane	8.24	76	86584	18.905	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	228559	96.250	ug/l	99
59) 2-Hexanone	8.36	43	379714	93.142	ug/l	99
60) Dibromochloromethane	8.48	129	46516	19.551	ug/l	97
61) 1,2-Dibromoethane	8.59	107	50667	18.965	ug/l	100
64) Tetrachloroethene	8.23	164	35426	18.396	ug/l	97
65) Chlorobenzene	9.12	112	120885	19.266	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	41434	19.333	ug/l	98
67) Ethyl Benzene	9.25	91	217857	18.863	ug/l	98
68) m/p-Xylenes	9.38	106	159383	38.033	ug/l	98
69) o-Xylene	9.78	106	79636	18.819	ug/l	100
70) Styrene	9.79	104	129070	19.089	ug/l	99
71) Bromoform	9.96	173	33386	18.588	ug/l #	100
73) Isopropylbenzene	10.17	105	214131	19.428	ug/l	99
74) N-amyl acetate	10.01	43	128268	19.246	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	85827	19.305	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	84756m	21.780	ug/l	
77) Bromobenzene	10.45	156	49330	19.519	ug/l	98
78) n-propylbenzene	10.59	91	255724	19.384	ug/l	99
79) 2-Chlorotoluene	10.66	91	149186	18.866	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	175324	19.203	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	30816m	19.931	ug/l	
82) 4-Chlorotoluene	10.77	91	168963	18.821	ug/l	100
83) tert-Butylbenzene	11.10	119	173975	19.060	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	178367	19.401	ug/l	100
85) sec-Butylbenzene	11.32	105	217818	19.622	ug/l	99
86) p-Isopropyltoluene	11.48	119	179949	19.392	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	88337	18.922	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	88090	18.409	ug/l	98
89) n-Butylbenzene	11.89	91	164574	18.661	ug/l	99
90) Hexachloroethane	12.14	117	31643	19.153	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	92032	19.603	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18458	19.704	ug/l	95

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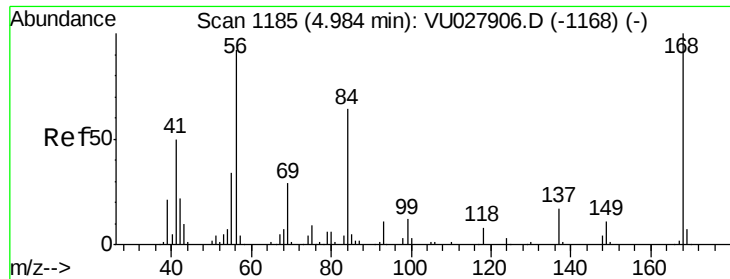
Manual Integrations
APPROVED

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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	56389	17.576	ug/l	99
94) Hexachlorobutadiene	13.69	225	28177	18.884	ug/l	98
95) Naphthalene	13.74	128	209365	17.824	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	60369	19.162	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBSD01

Tot Ion:168 Resp: 186009

Ion Ratio Lower Upper

168 100

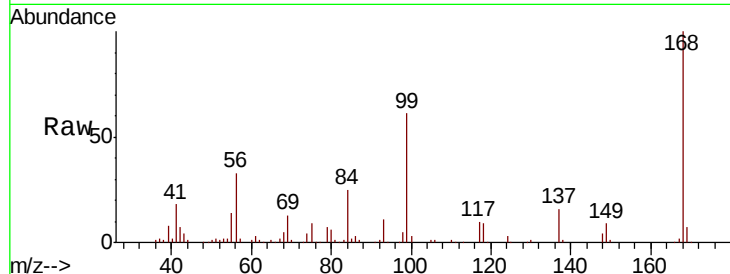
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Manual Integrations

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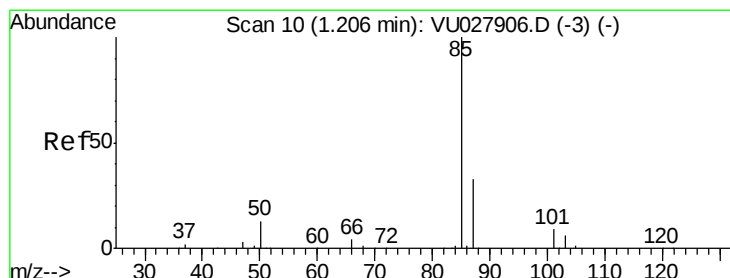
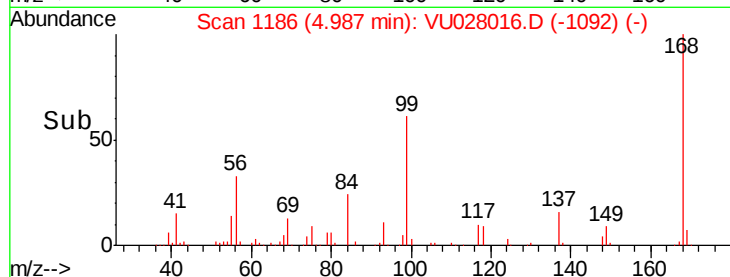
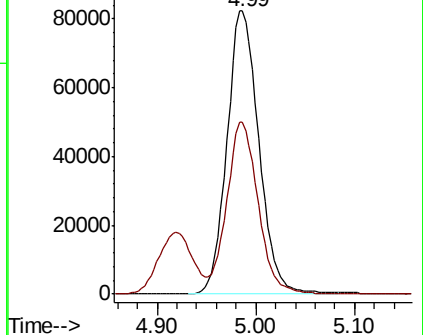
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Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

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



#2

Dichlorodifluoromethane

Concen: 15.306 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU028016.D

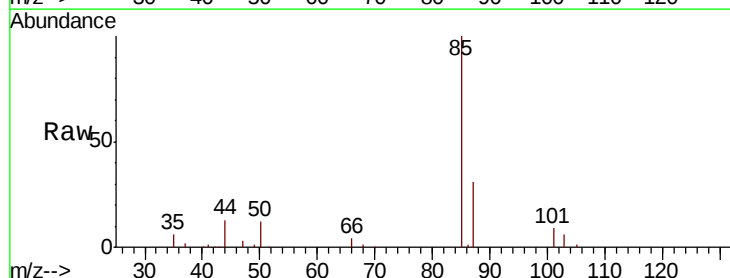
Acq: 08 Nov 2018 11:22

Tgt Ion: 85 Resp: 36177

Ion Ratio Lower Upper

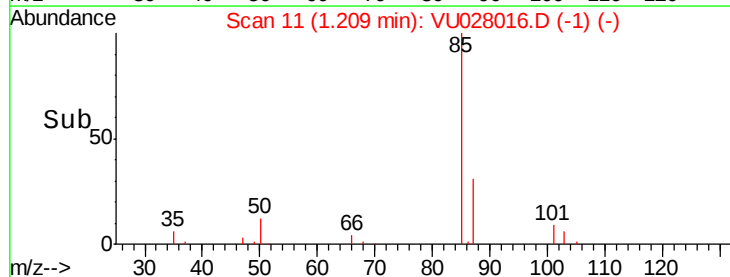
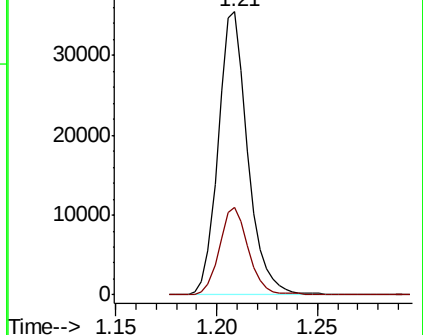
85 100

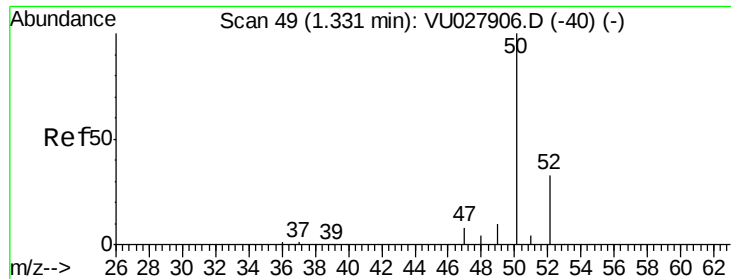
87 31.0 16.5 49.5



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

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





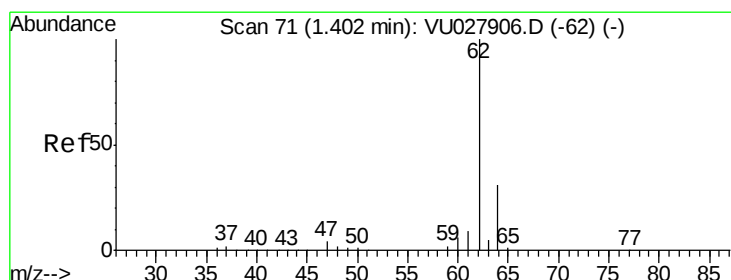
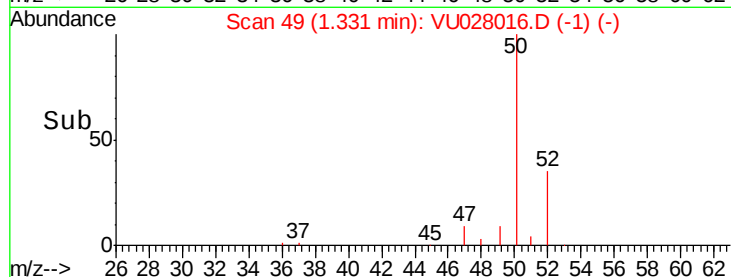
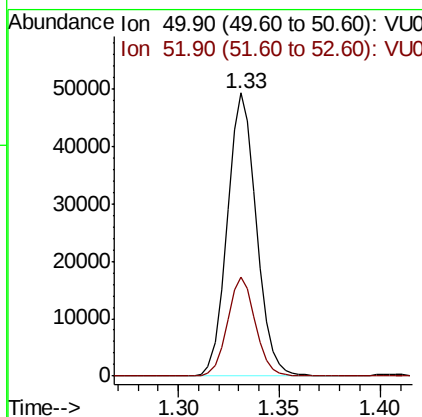
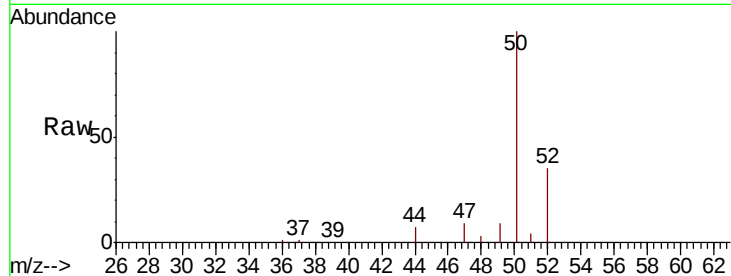
#3
Chloromethane
Concen: 17.421 ug/l
RT: 1.33 min Scan# 49
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion: 50 Resp: 49797
Ion Ratio Lower Upper
50 100
52 35.0 26.2 39.4

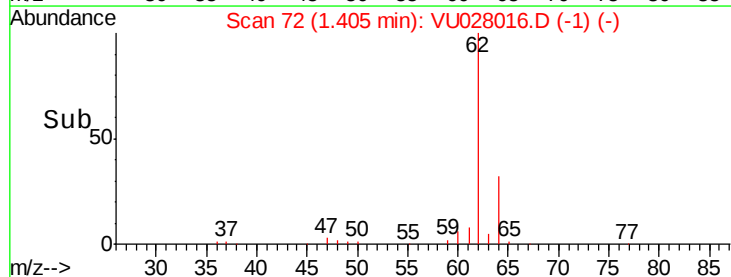
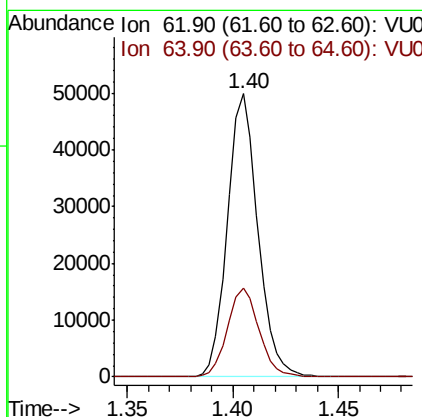
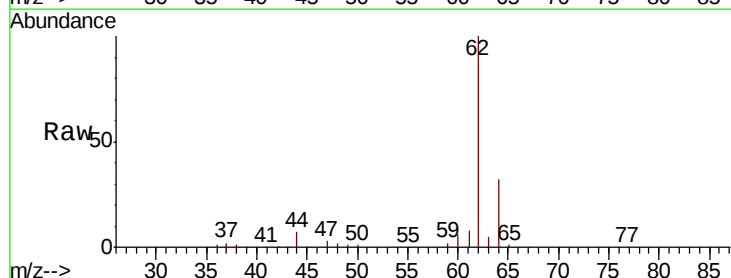
Manual Integrations
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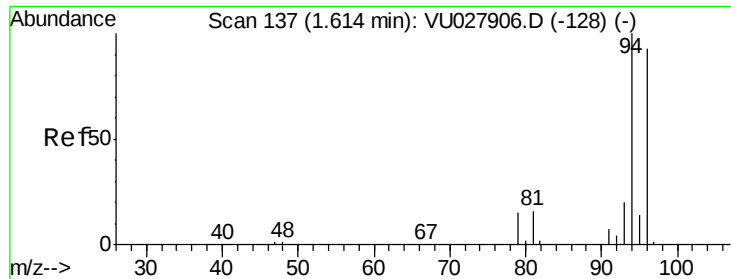
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#4
Vinyl Chloride
Concen: 17.626 ug/l
RT: 1.40 min Scan# 72
Delta R.T. 0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion: 62 Resp: 50008
Ion Ratio Lower Upper
62 100
64 31.5 25.2 37.8





#5

Bromomethane

Concen: 22.704 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBSD01

Tot Ion: 94 Resp: 23767

Ion Ratio Lower Upper

94 100

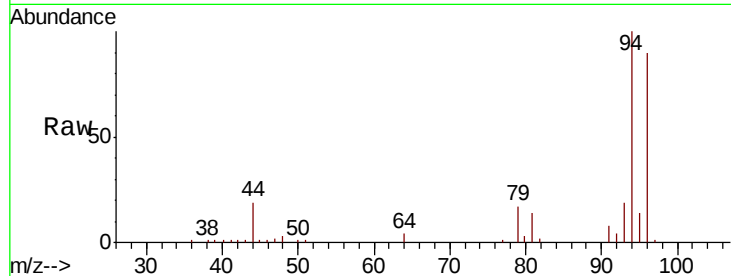
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Manual Integrations

APPROVED

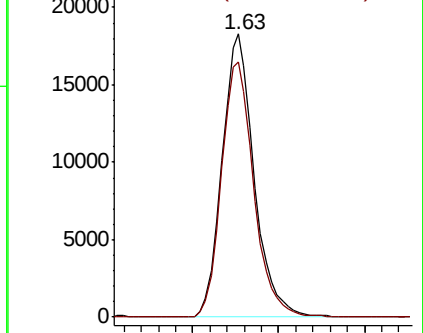
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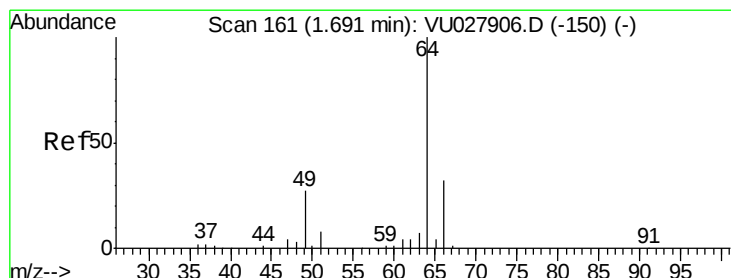
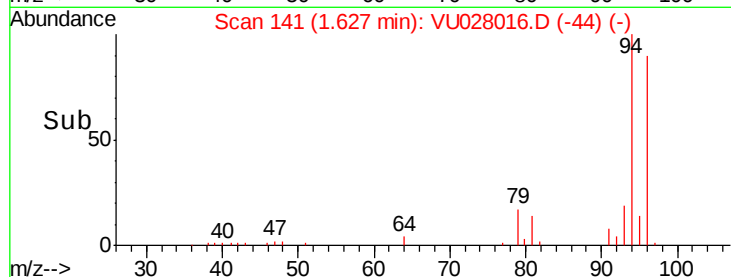


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: 19.018 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU028016.D

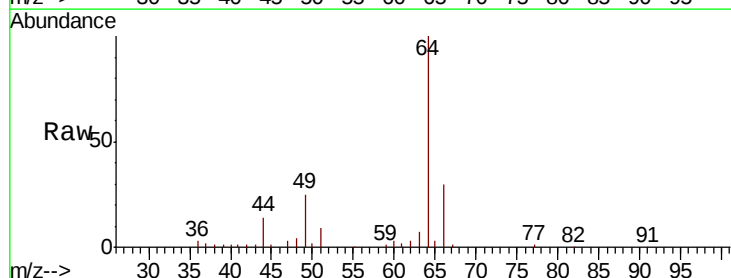
Acq: 08 Nov 2018 11:22

Tgt Ion: 64 Resp: 31094

Ion Ratio Lower Upper

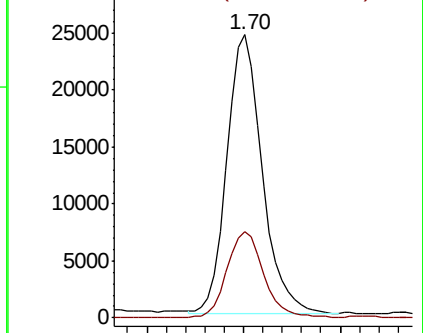
64 100

66 30.9 25.9 38.9

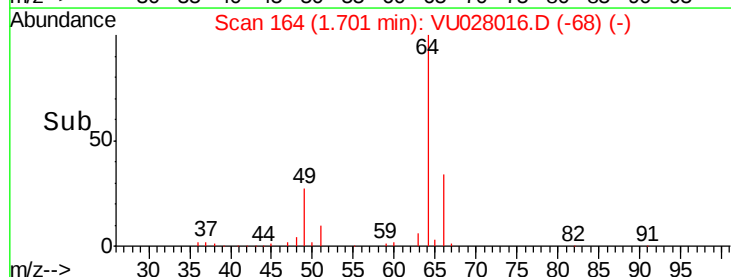


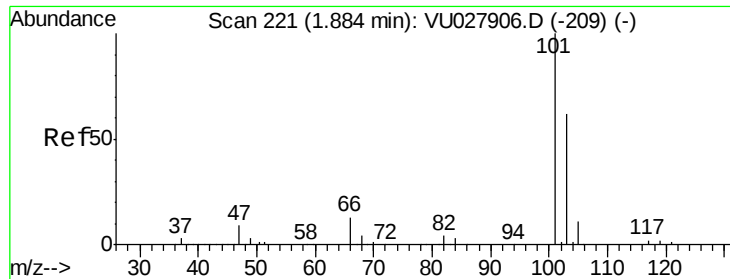
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->





#7

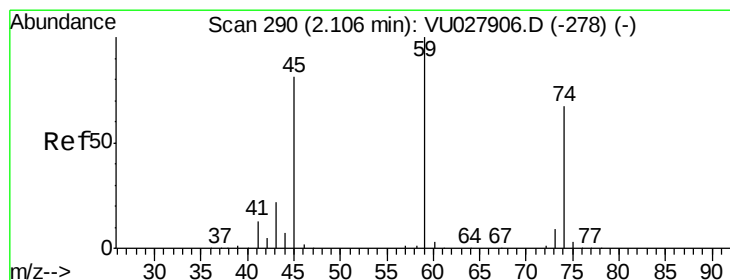
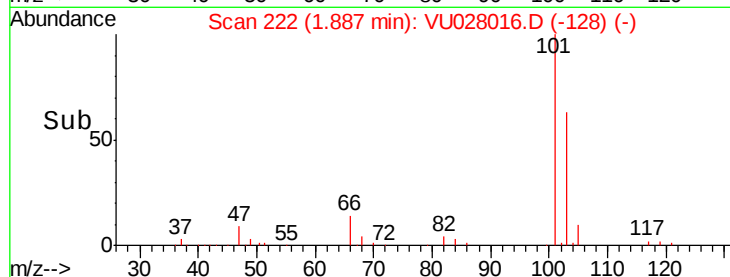
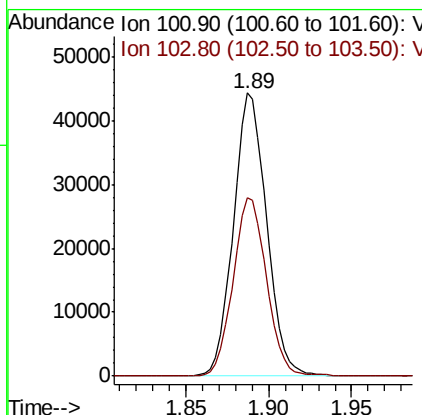
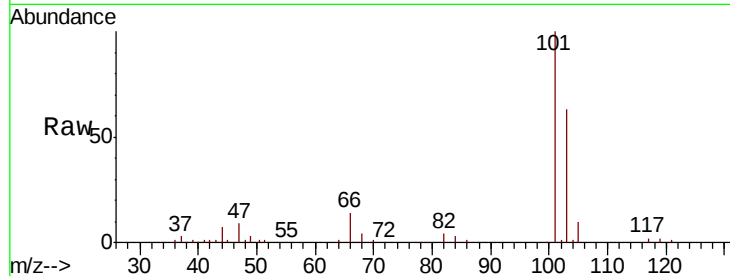
Trichlorofluoromethane
 Concen: 18.821 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Instrument :
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 ClientSampleId :
 VU1108WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	63.3	49.4	74.2	

Manual Integrations
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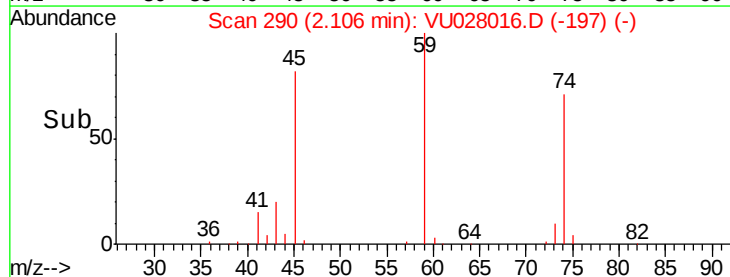
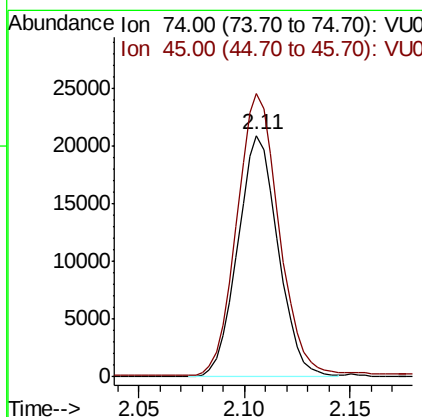
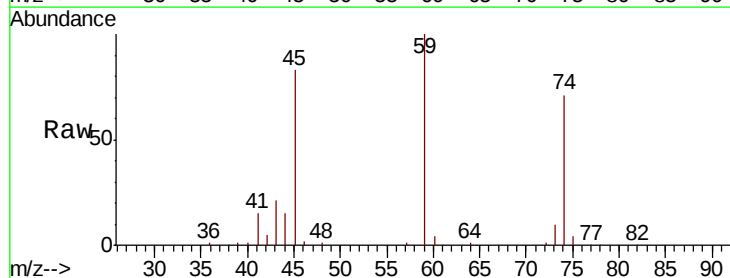
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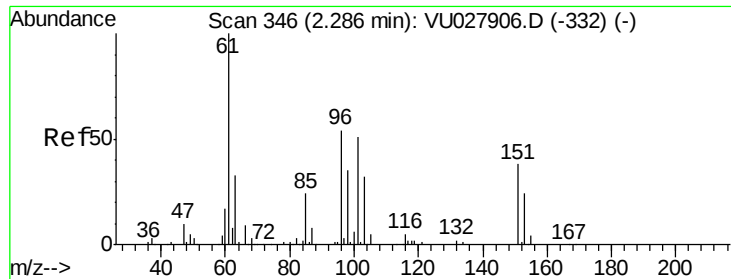


#8

Diethyl Ether
 Concen: 19.856 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	121.5	60.5	181.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.188 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

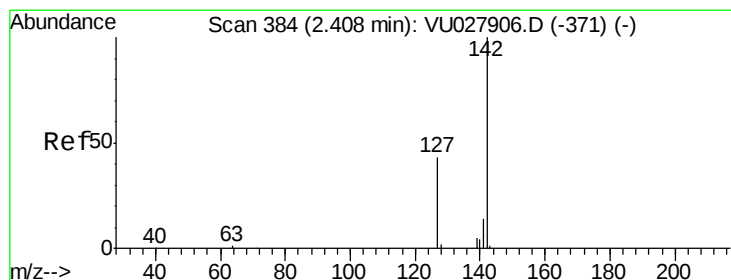
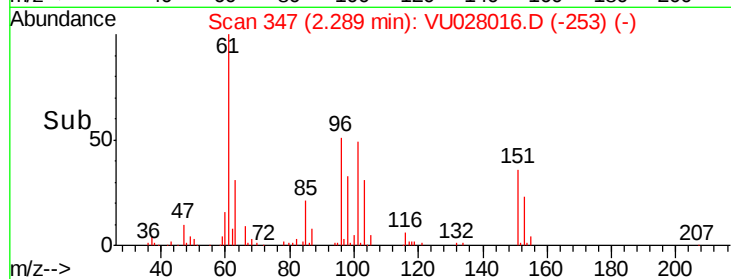
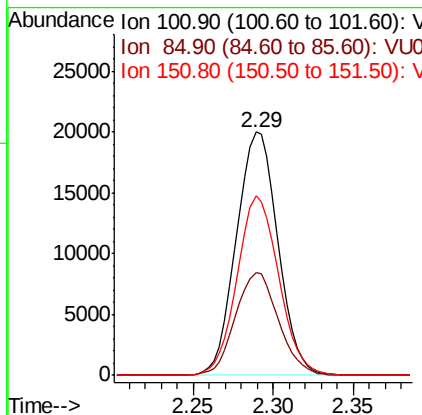
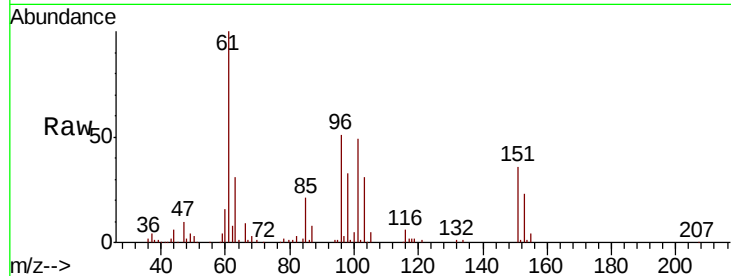
ClientSampleId :

VU1108WBSD01

Tot Ion:	101	Resp:	35422
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.9	55.3
151	74.2	58.0	87.0

Manual Integrations
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#10

Methyl Iodide

Concen: 21.054 ug/l

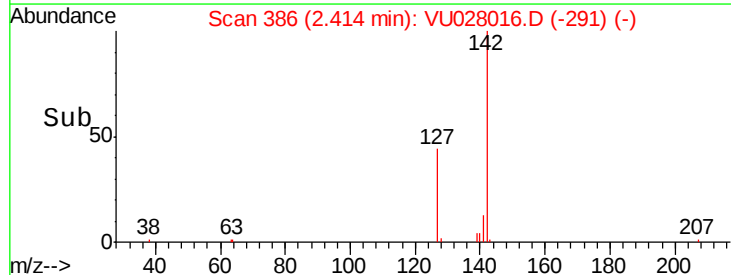
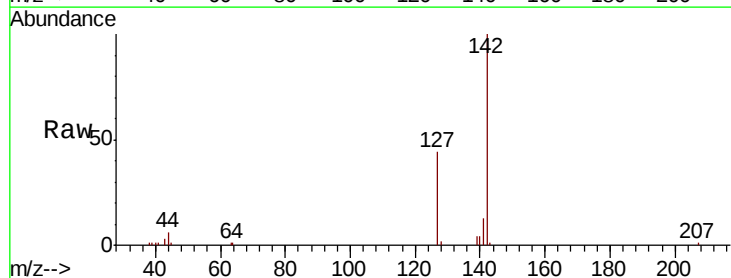
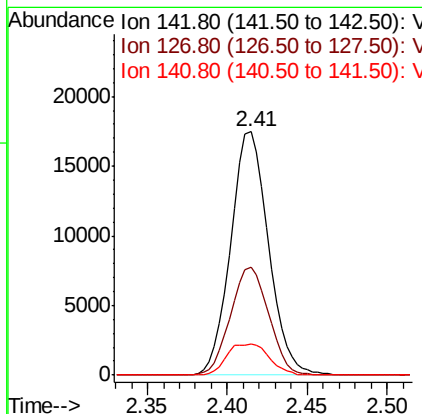
RT: 2.41 min Scan# 386

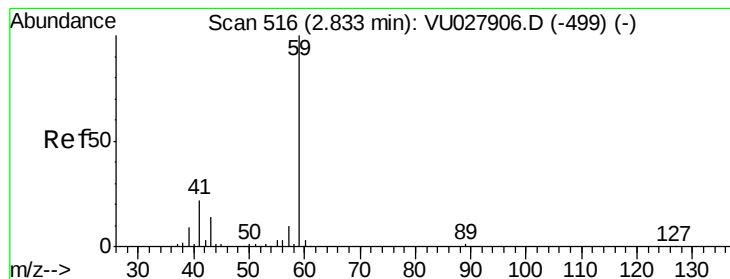
Delta R.T. 0.01 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Tgt Ion:	142	Resp:	28147
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.2	52.8
141	14.3	11.8	17.8





#11

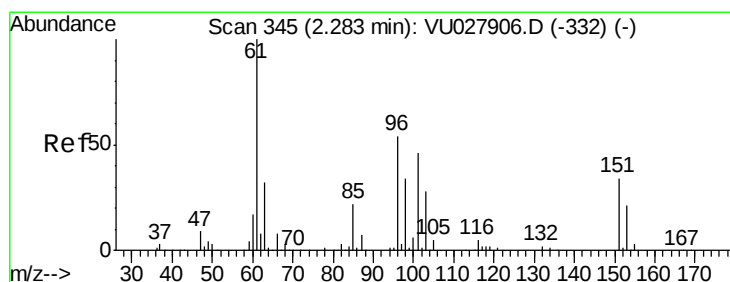
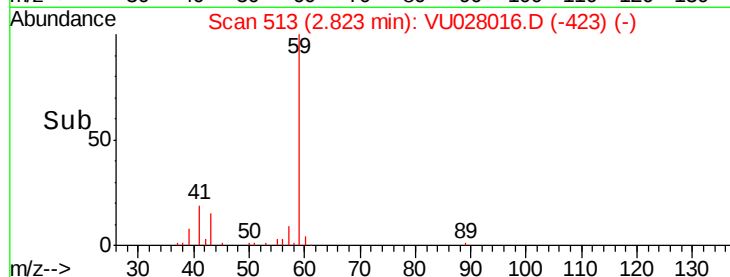
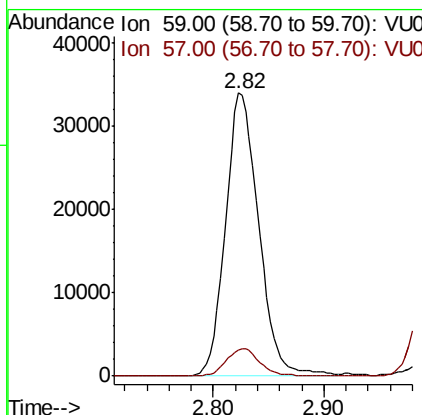
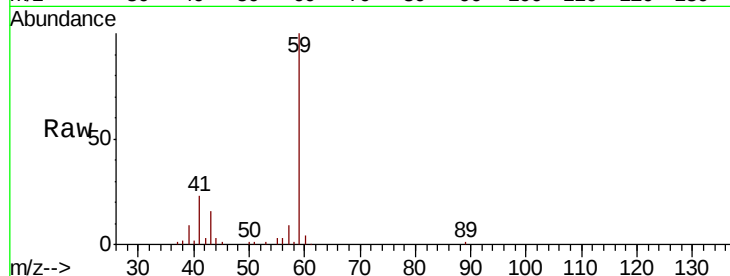
Tert butyl alcohol
 Concen: 96.796 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.8	11.8

Manual Integrations
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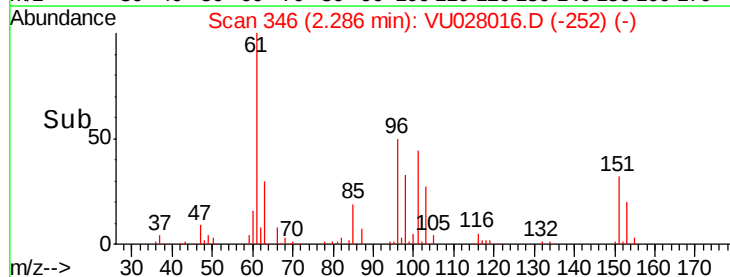
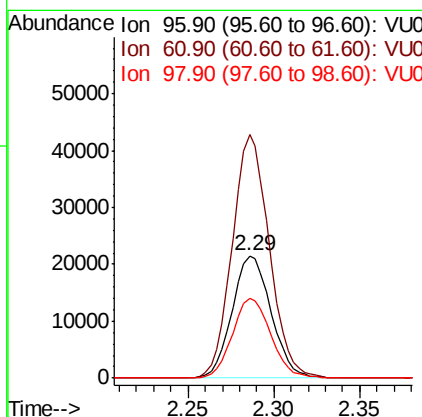
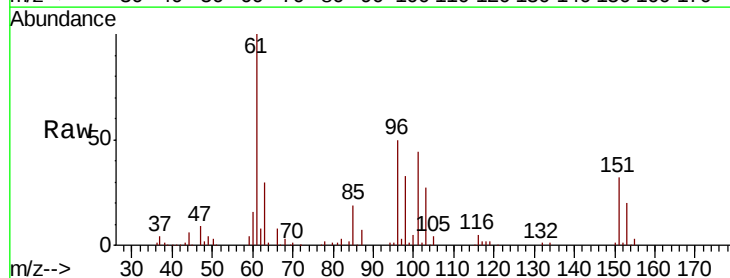
MMDadoda
 11/9/2018 12:03:09 PM

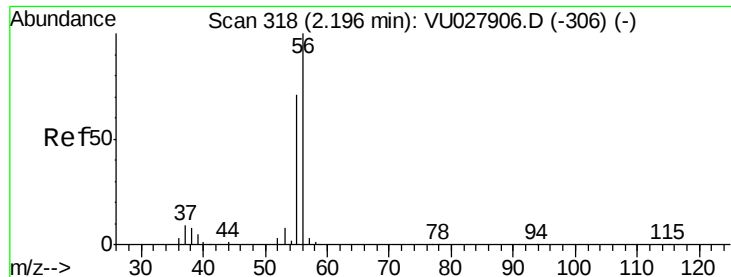


#12

1,1-Dichloroethene
 Concen: 17.347 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	199.2	149.3	223.9
98	65.0	50.6	75.8





#13

Acrolein

Concen: 46.291 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBSD01

Tot Ion: 56 Resp: 13957

Ion Ratio Lower Upper

56 100

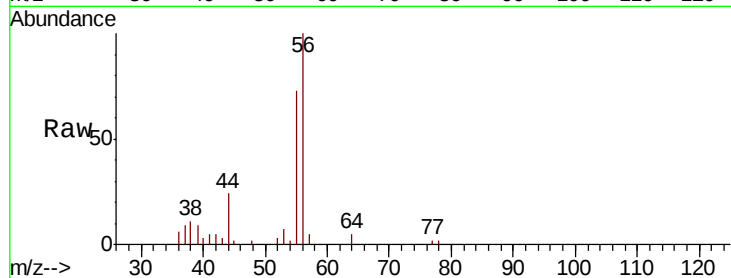
55 74.0 56.2 84.4

Manual Integrations

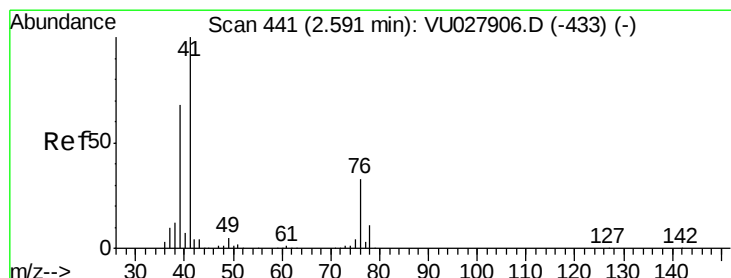
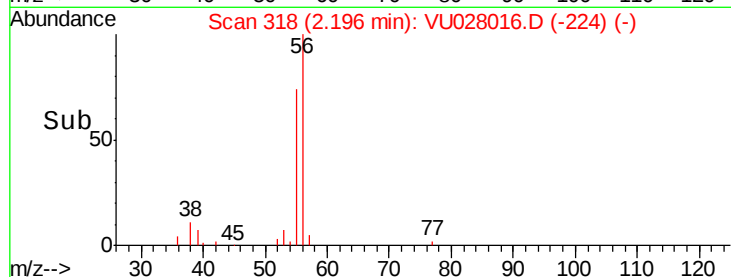
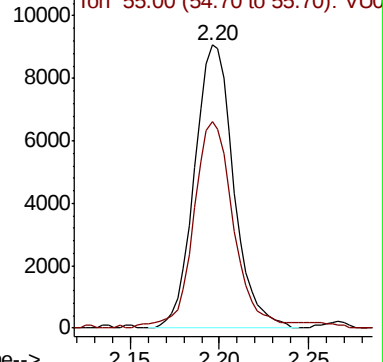
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Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)



#14

Allyl chloride

Concen: 17.547 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

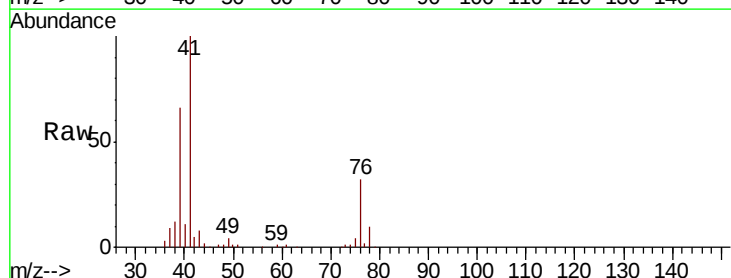
Tgt Ion: 41 Resp: 83605

Ion Ratio Lower Upper

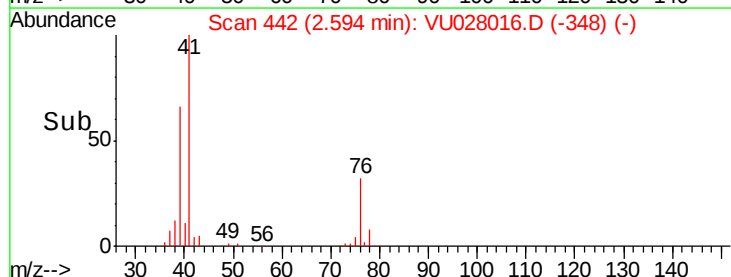
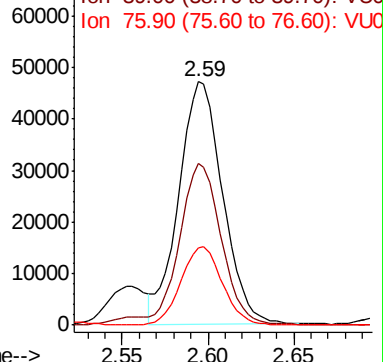
41 100

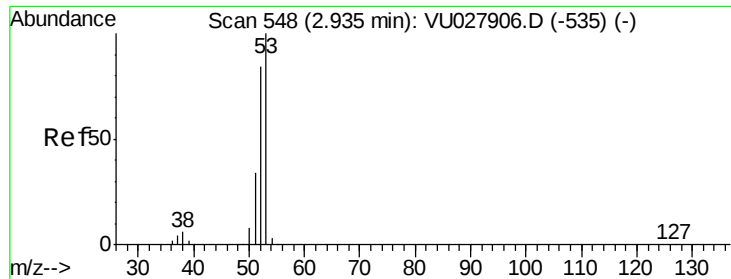
39 62.6 51.9 77.9

76 30.7 23.8 35.6



Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)





#15

Acrylonitrile

Concen: 97.899 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

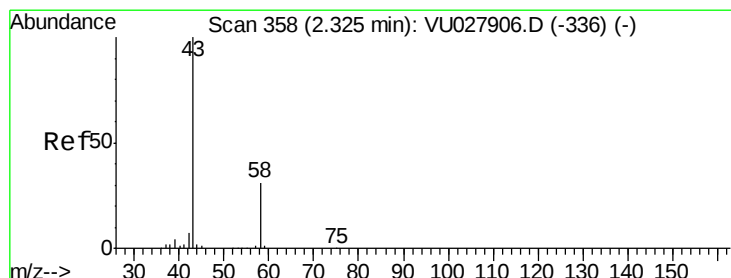
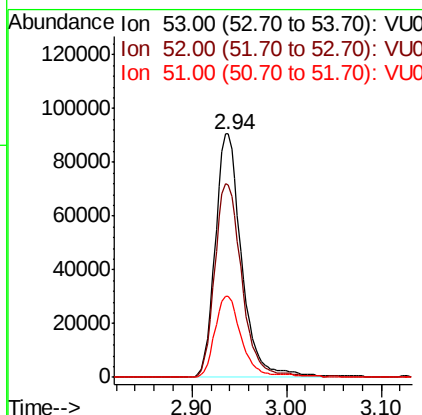
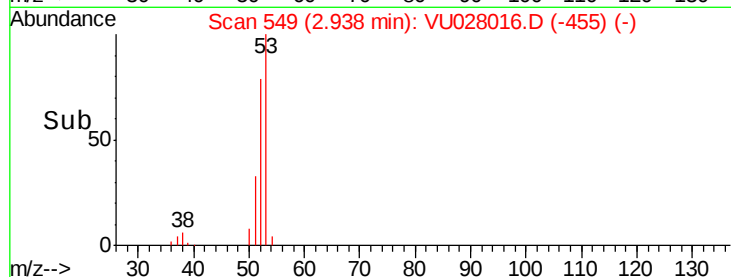
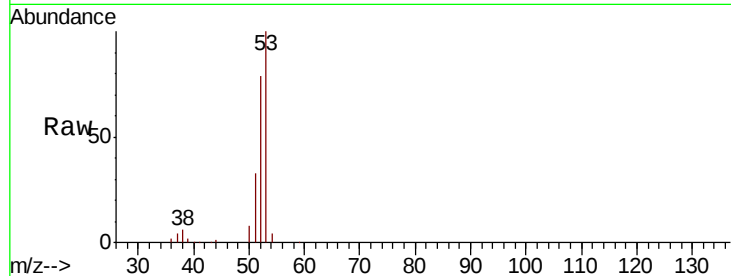
ClientSampleId :

VU1108WBSD01

Tot Ion:	53	Resp:	176059
Ion Ratio	Lower	Upper	
53	100		
52	81.5	66.2	99.2
51	33.1	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 95.779 ug/l

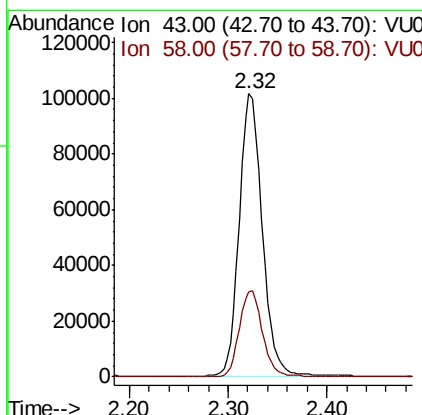
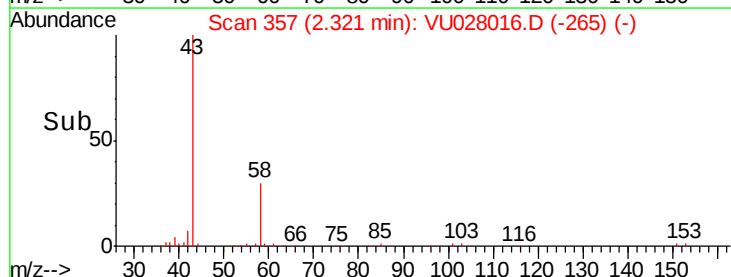
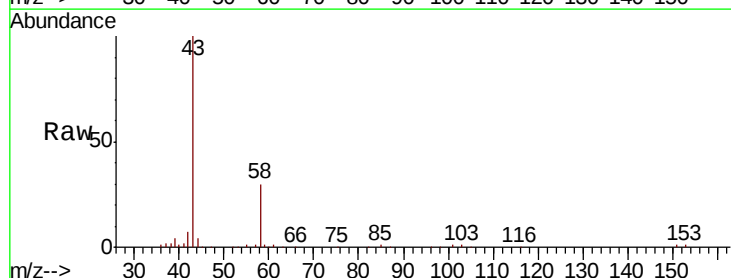
RT: 2.32 min Scan# 357

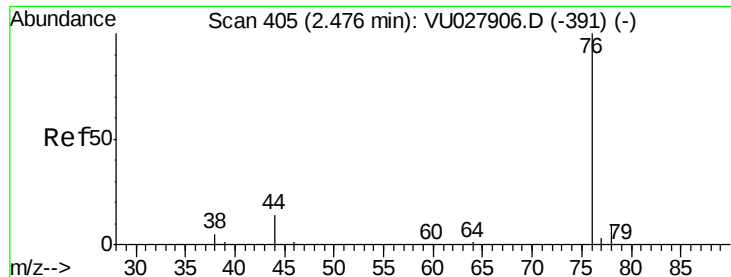
Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Tgt Ion:	43	Resp:	164338
Ion Ratio	Lower	Upper	
43	100		
58	30.3	24.6	37.0





#17

Carbon Disulfide

Concen: 15.941 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBSD01

Tot Ion: 76 Resp: 101578

Ion Ratio Lower Upper

76 100

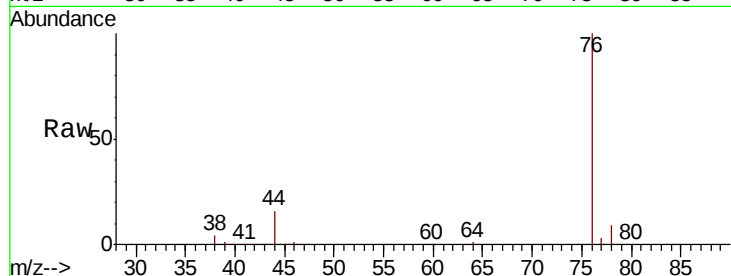
78 9.3 7.4 11.0

Manual Integrations

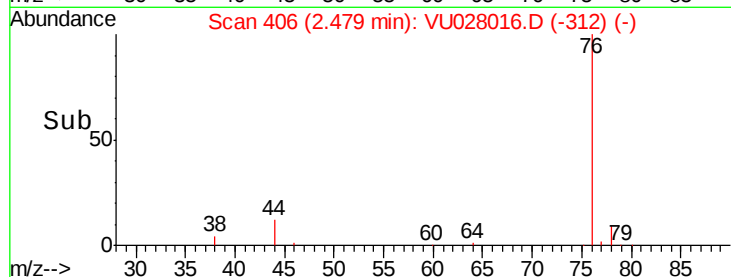
APPROVED

MMDadoda

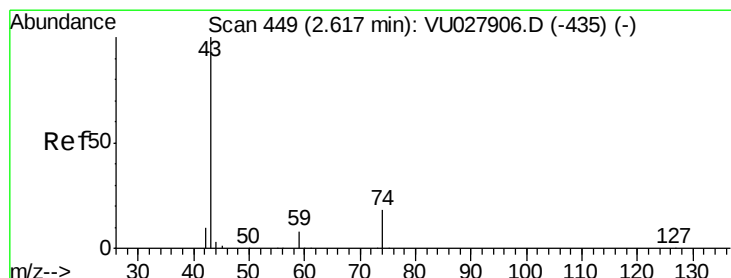
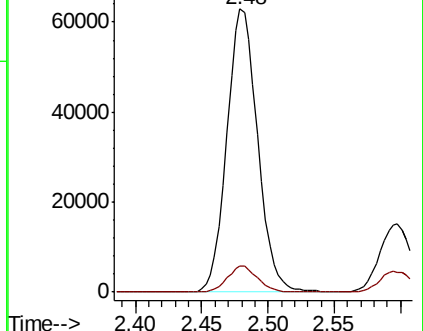
11/9/2018 12:03:09 PM



Abundance Ion 75.90 (75.60 to 76.60): VU028016.D (-312) (-)



Ion 77.90 (77.60 to 78.60): VU028016.D (-312) (-)



#18

Methyl Acetate

Concen: 19.579 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU028016.D

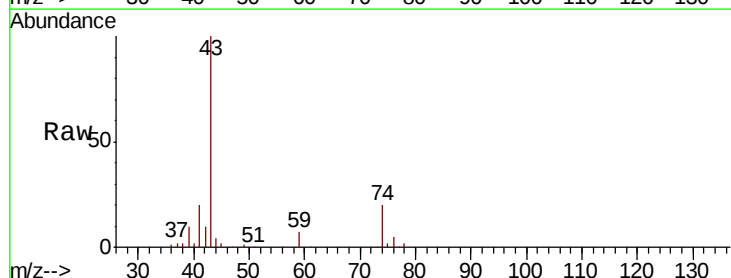
Acq: 08 Nov 2018 11:22

Tgt Ion: 43 Resp: 92410

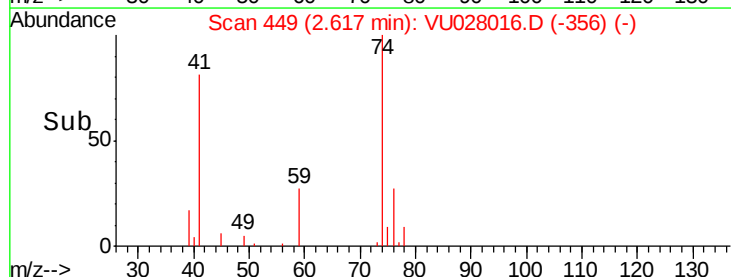
Ion Ratio Lower Upper

43 100

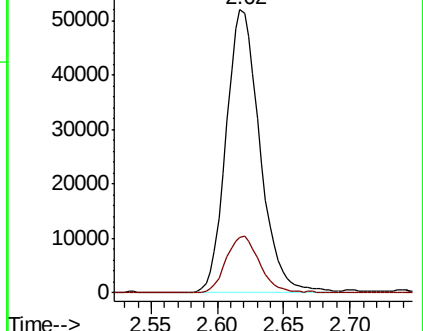
74 19.9 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU028016.D (-356) (-)



Ion 74.00 (73.70 to 74.70): VU028016.D (-356) (-)





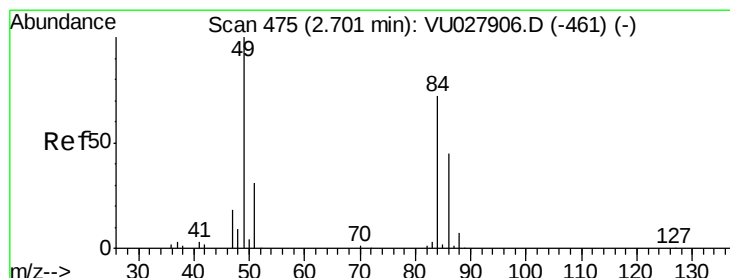
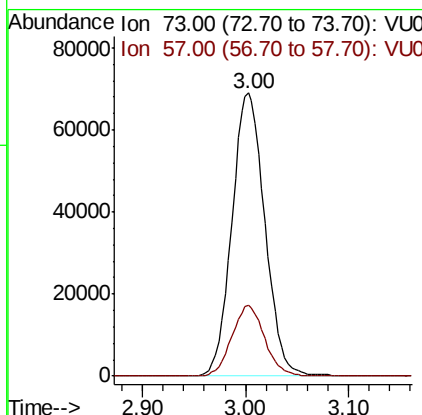
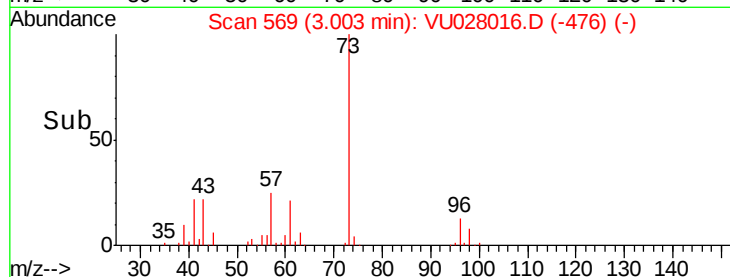
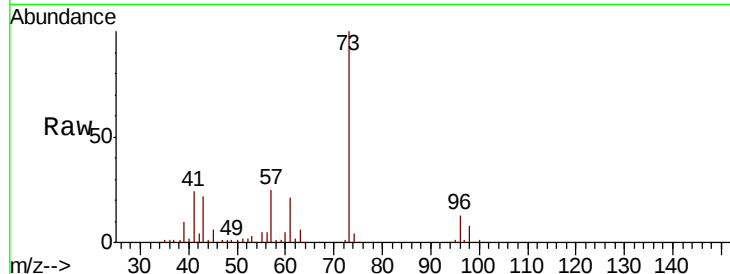
#19
Methvl tert-butvl Ether
Concen: 19.516 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.0	19.3	28.9

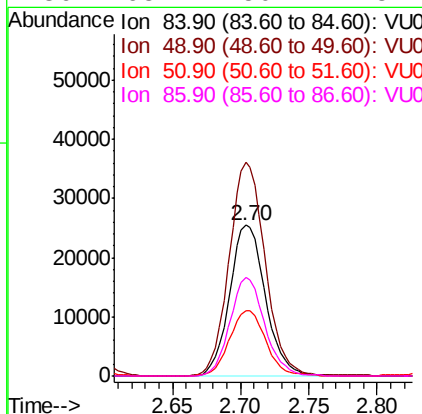
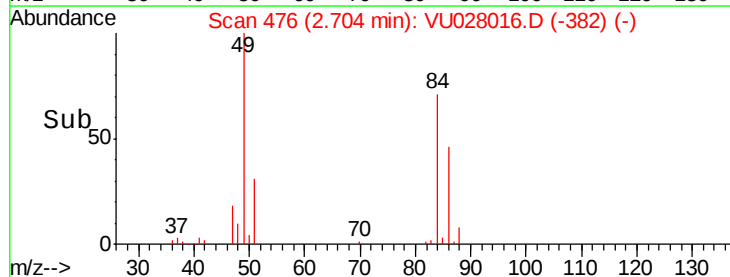
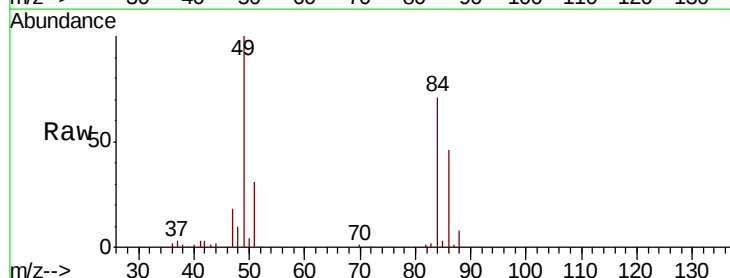
Manual Integrations
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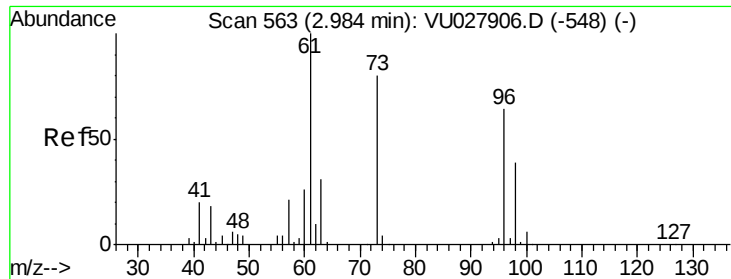
MMDadoda
11/9/2018 12:03:09 PM



#20
Methylene Chloride
Concen: 18.573 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.7	111.6	167.4
51	43.5	34.8	52.2
86	65.7	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 17.832 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBSD01

Tot Ion: 96 Resp: 40119

Ion Ratio Lower Upper

96 100

61 159.6 125.0 187.6

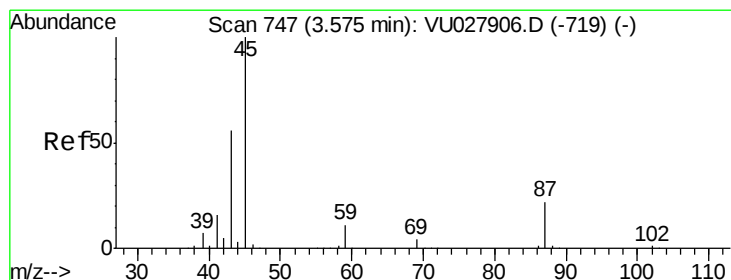
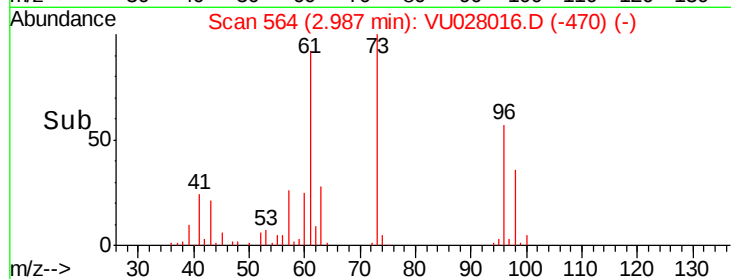
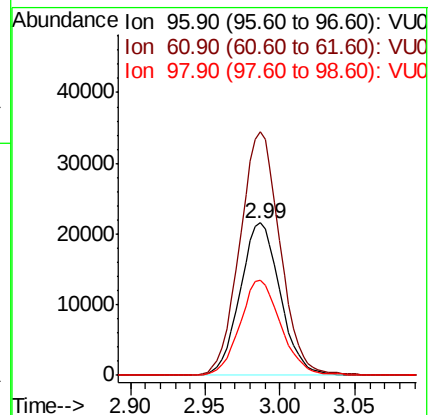
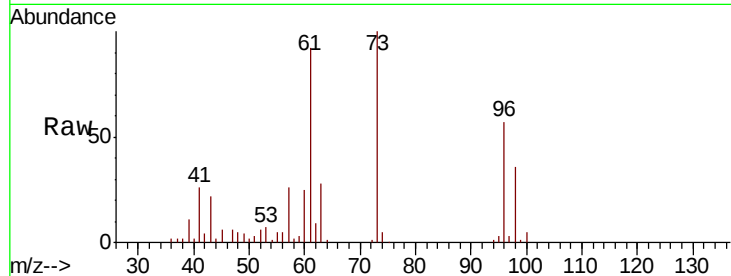
98 62.2 48.2 72.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.607 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Tgt Ion: 45 Resp: 192867

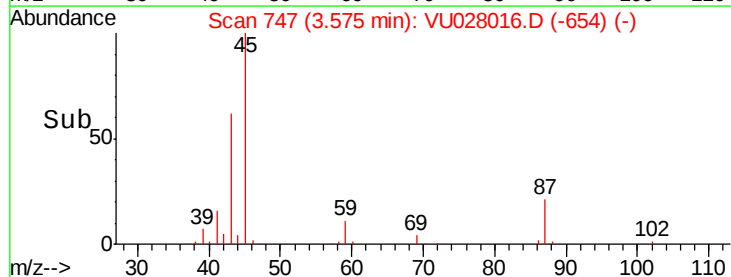
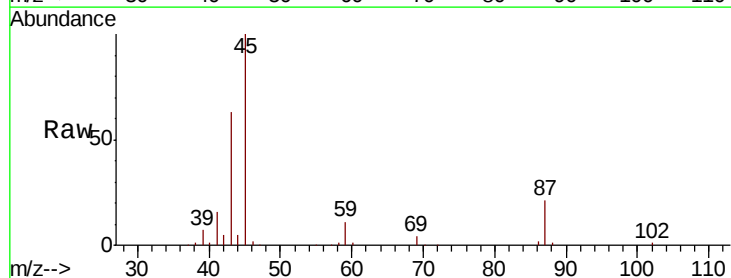
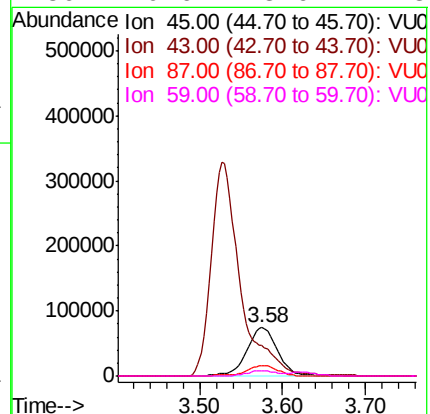
Ion Ratio Lower Upper

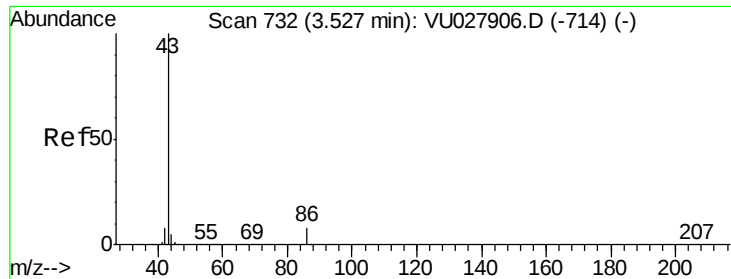
45 100

43 60.6 45.0 67.6

87 20.7 17.9 26.9

59 10.6 8.6 12.8





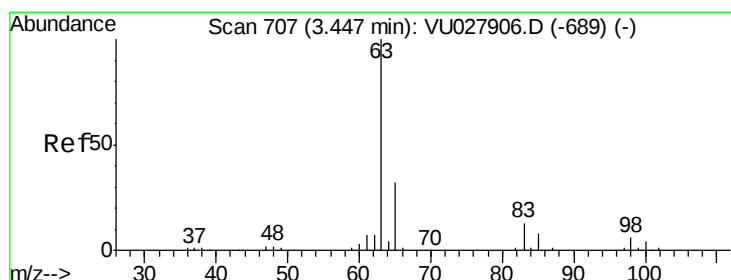
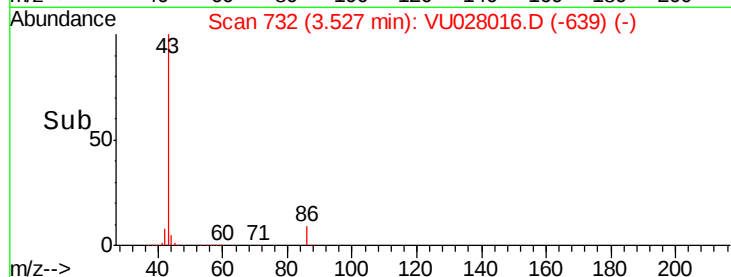
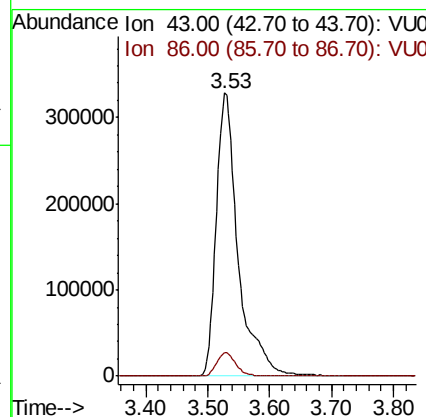
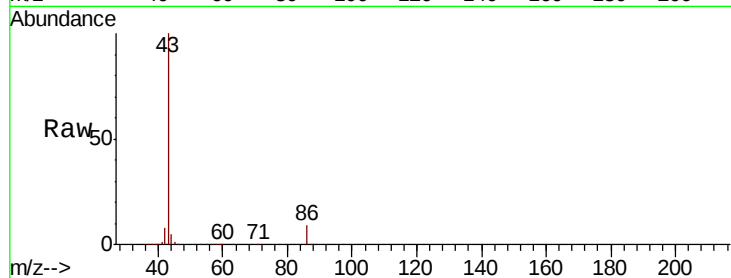
#23
 Vinyl Acetate
 Concen: 95.876 ug/l
 RT: 3.53 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.6	9.8

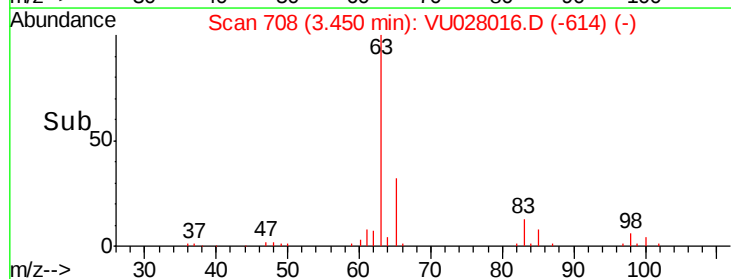
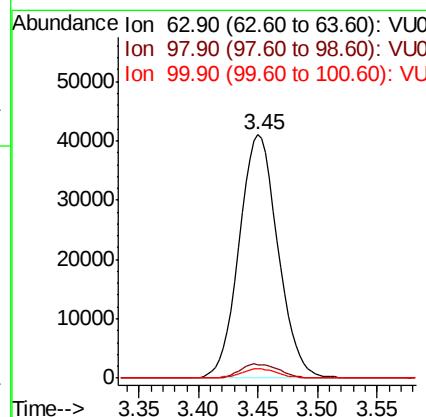
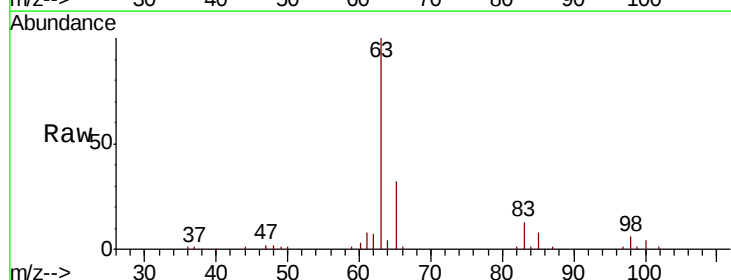
Manual Integrations
 APPROVED

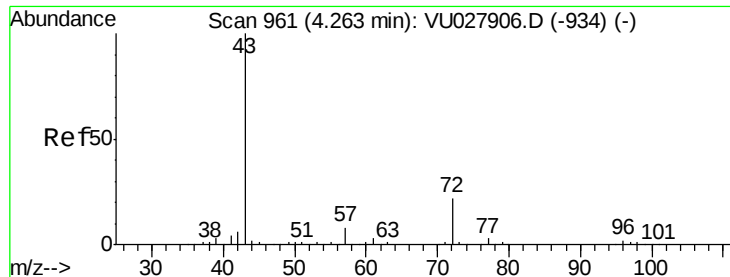
MMDadoda
 11/9/2018 12:03:09 PM



#24
 1,1-Dichloroethane
 Concen: 18.909 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.9	8.6
100	3.8	2.0	6.0





#25

2-Butanone

Concen: 95.296 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBSD01

Tot Ion: 43 Resp: 260130

Ion Ratio Lower Upper

43 100

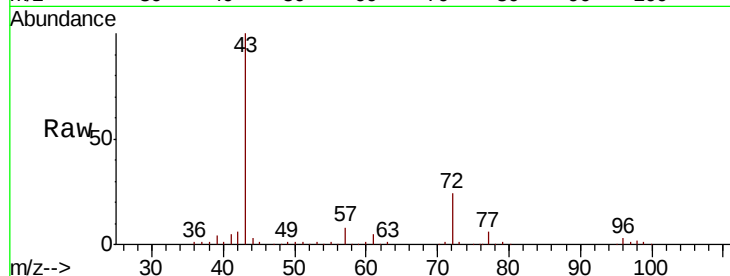
72 23.7 17.7 26.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

120000

100000

80000

60000

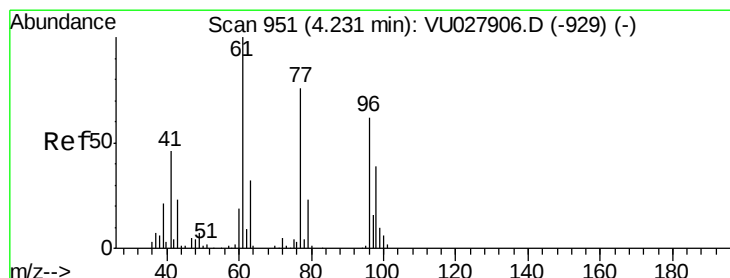
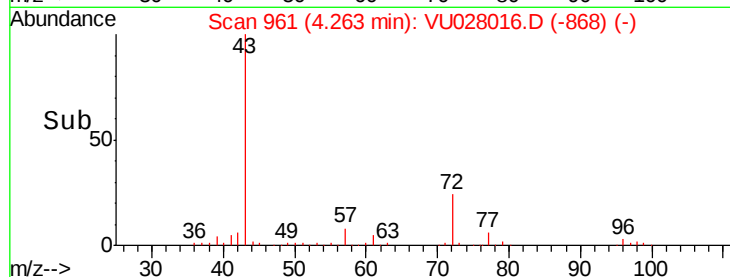
40000

20000

0

4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 19.487 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU028016.D

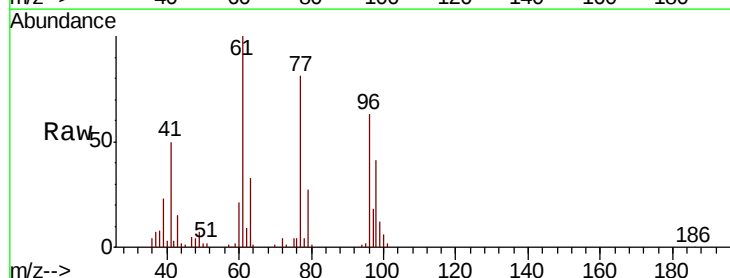
Acq: 08 Nov 2018 11:22

Tgt Ion: 77 Resp: 71654

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

30000

25000

20000

15000

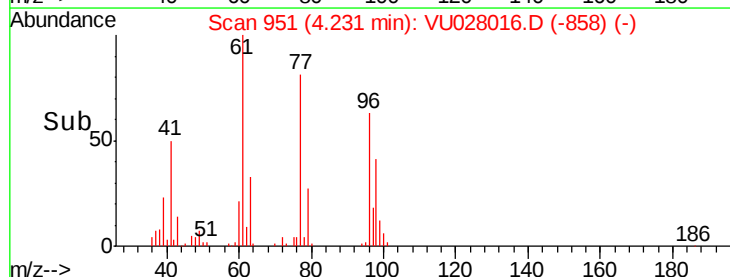
10000

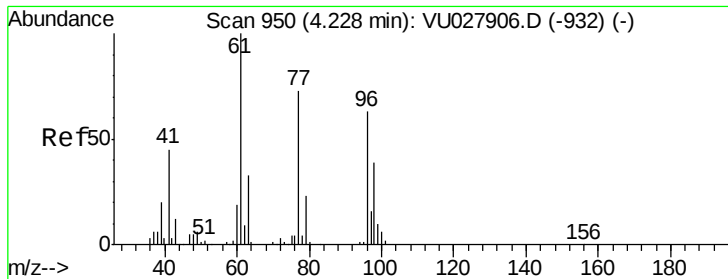
5000

0

4.10 4.20 4.30

Time-->





#27

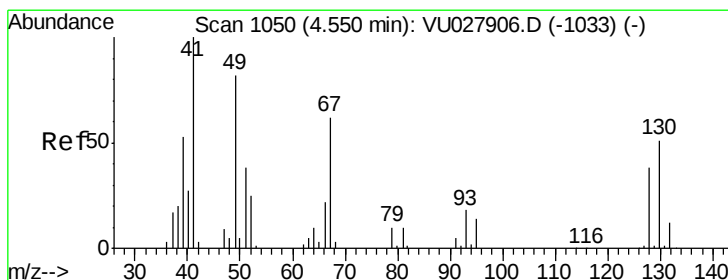
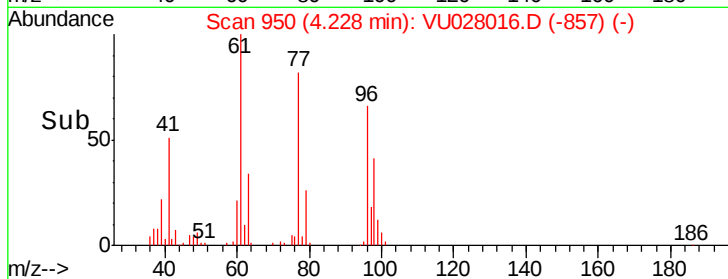
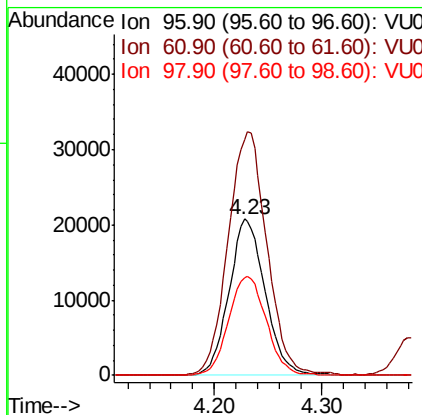
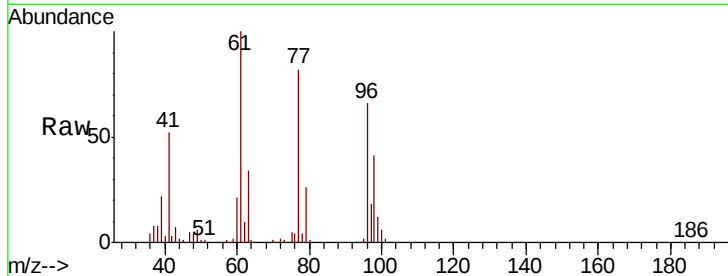
cis-1,2-Dichloroethene
Concen: 19.205 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.8	0.0	329.6
98	65.8	0.0	127.2

Manual Integrations
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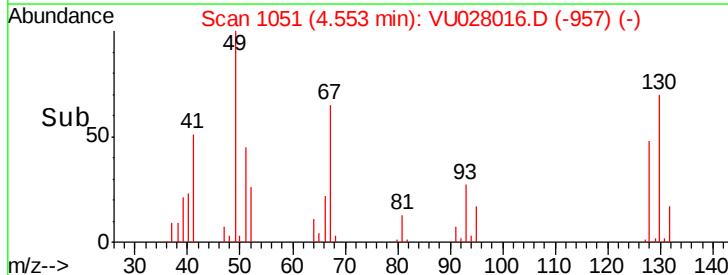
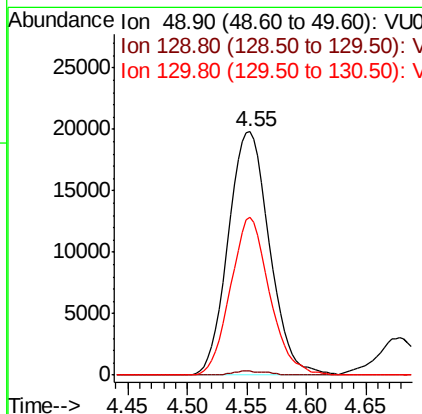
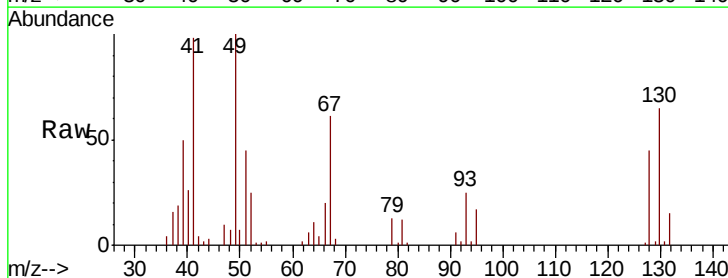
MMDadoda
11/9/2018 12:03:09 PM

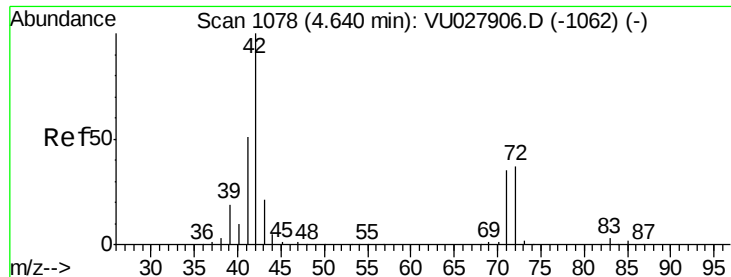


#28

Bromochloromethane
Concen: 20.710 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	61.5	47.8	71.6





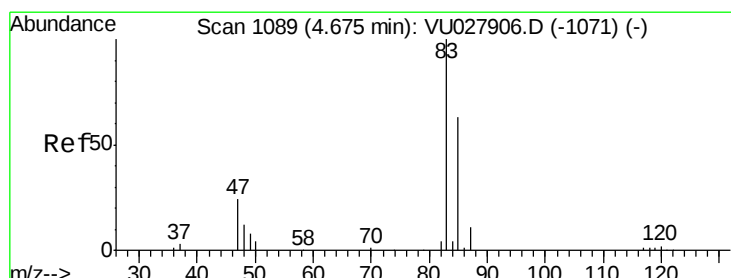
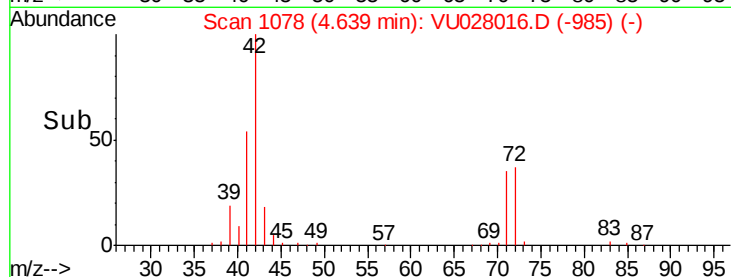
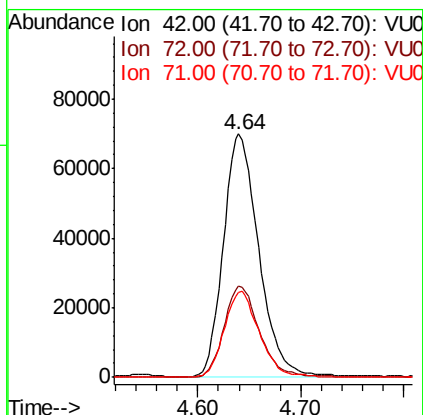
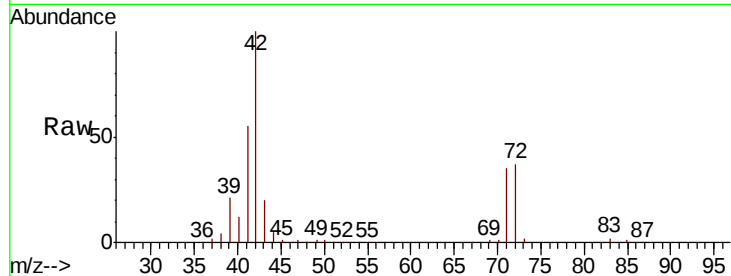
#29
Tetrahydrofuran
Concen: 91.185 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	29.4	44.0
71	35.4	27.9	41.9

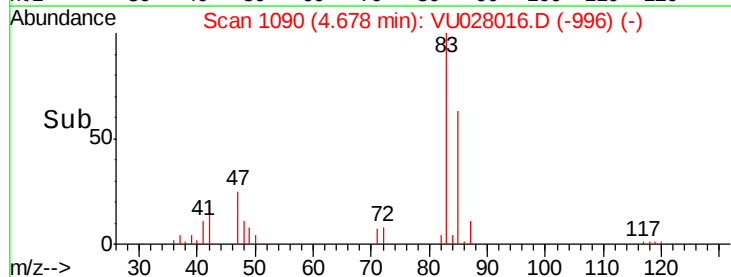
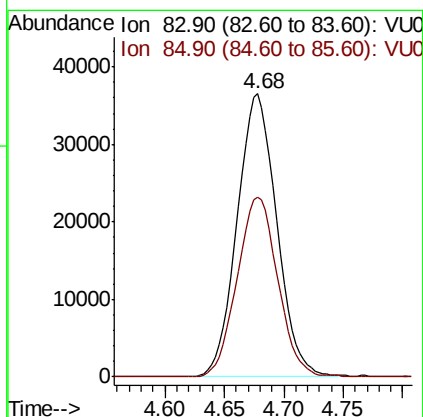
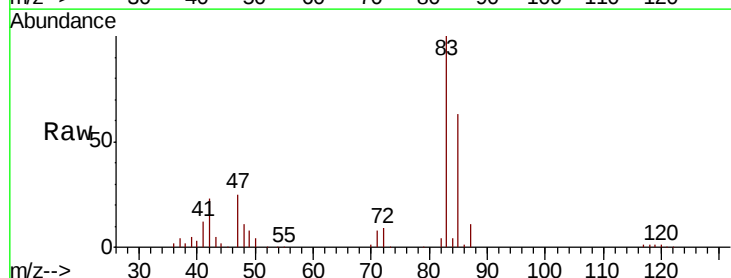
Manual Integrations
APPROVED

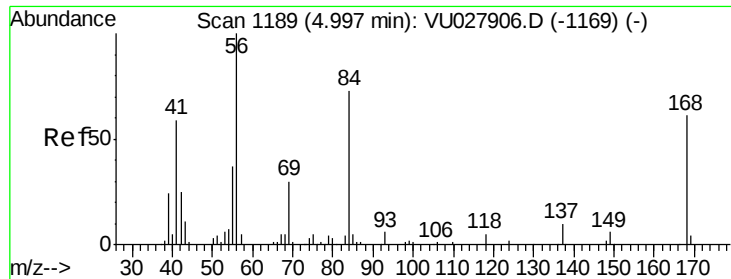
MMDadoda
11/9/2018 12:03:09 PM



#30
Chloroform
Concen: 18.769 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.6	76.0





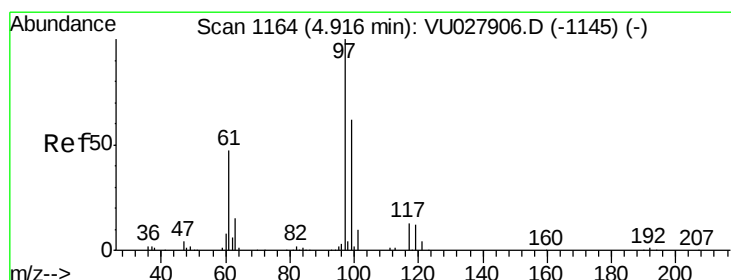
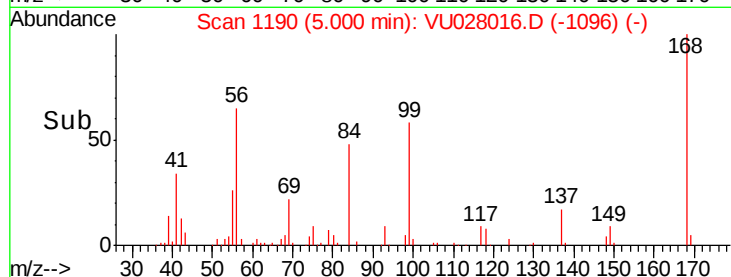
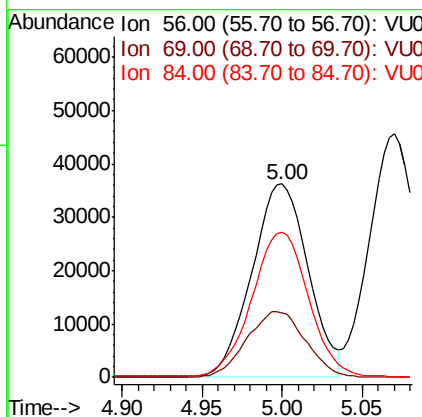
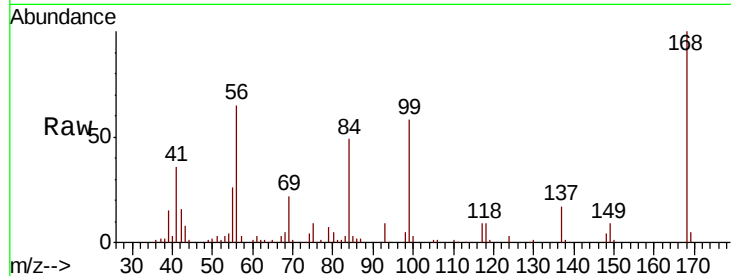
#31
Cyclohexane
Concen: 17.256 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	23.7	35.5
84	73.9	58.2	87.4

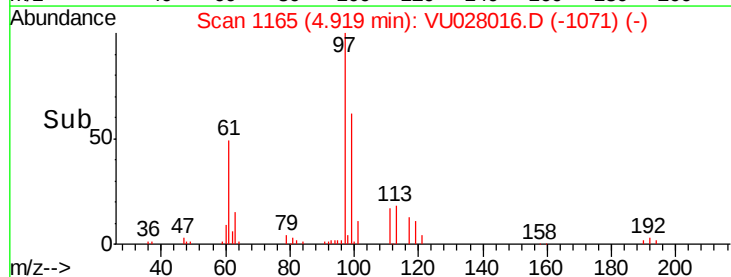
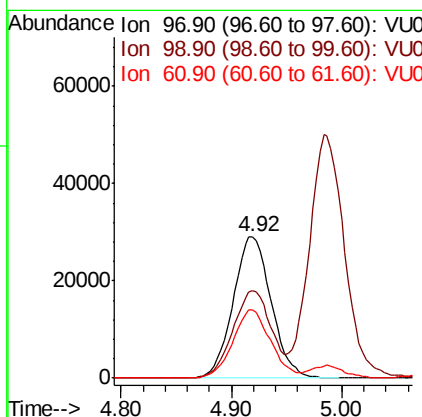
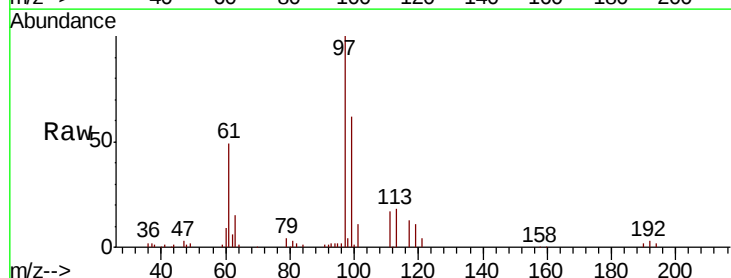
Manual Integrations
APPROVED

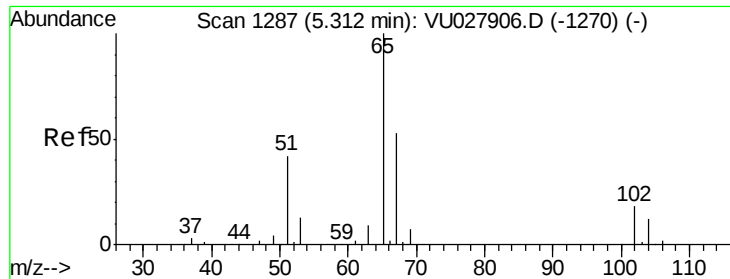
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#32
1,1,1-Trichloroethane
Concen: 19.429 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.1	50.5	75.7
61	47.8	38.3	57.5





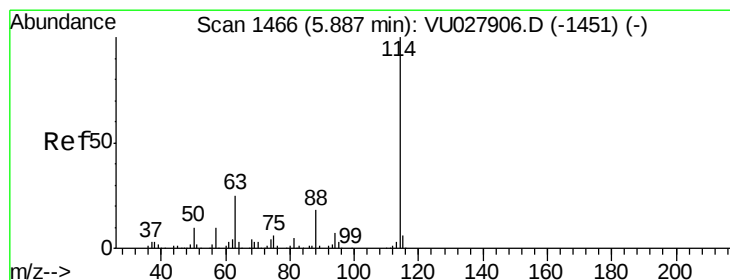
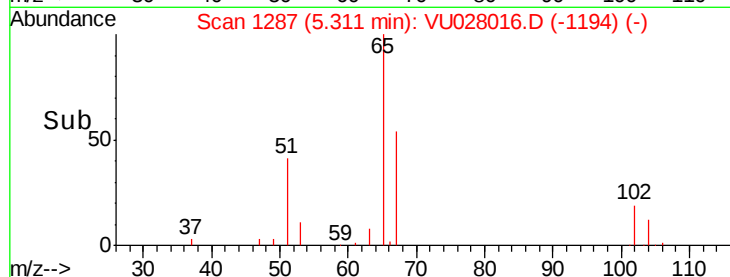
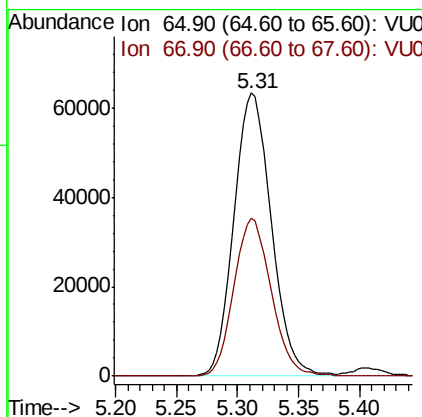
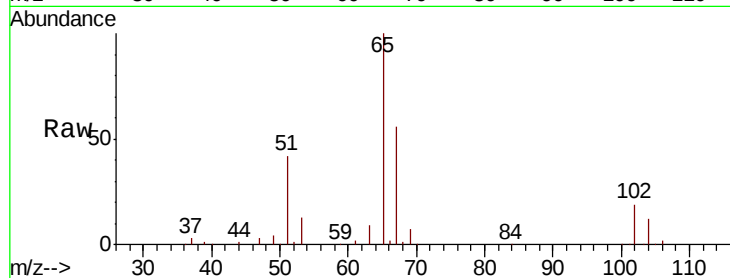
#33
 1,2-Dichloroethane-d4
 Concen: 48.752 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134824		
67	55.5	0.0	109.0	

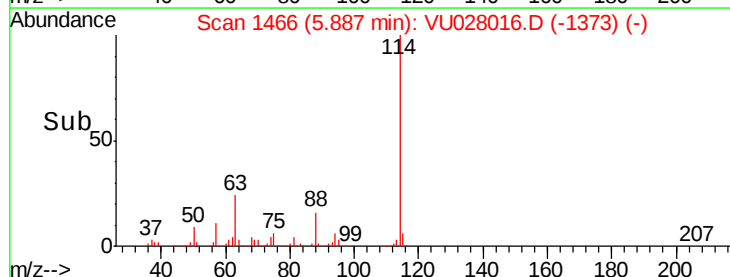
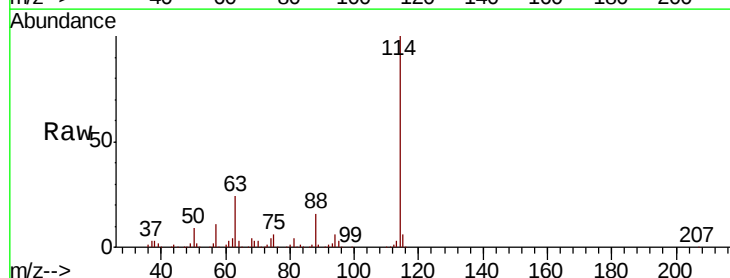
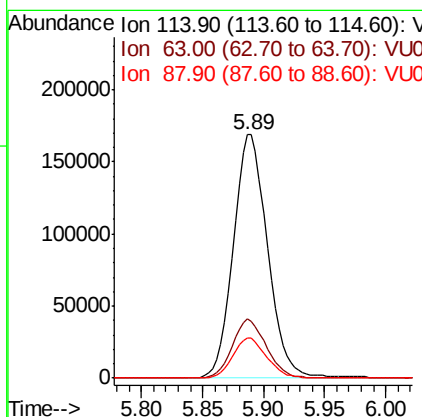
Manual Integrations
 APPROVED

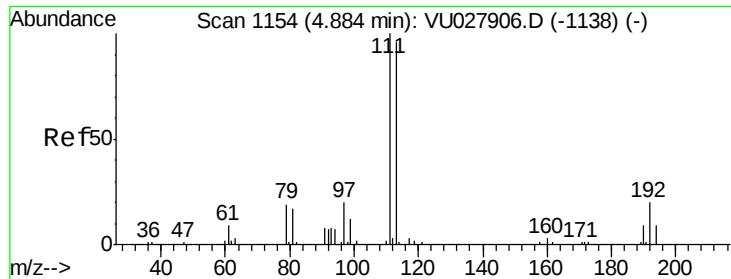
MMDadoda
 11/9/2018 12:03:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	328279		
63	24.2	0.0	50.8	
88	16.3	0.0	35.8	





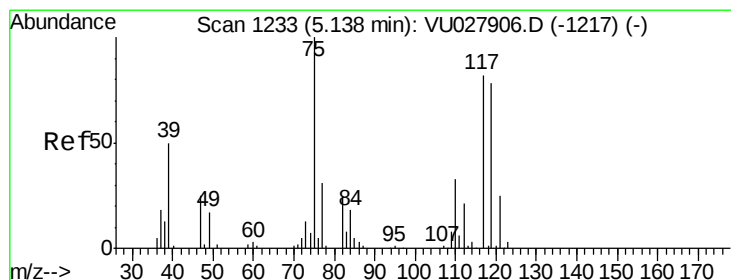
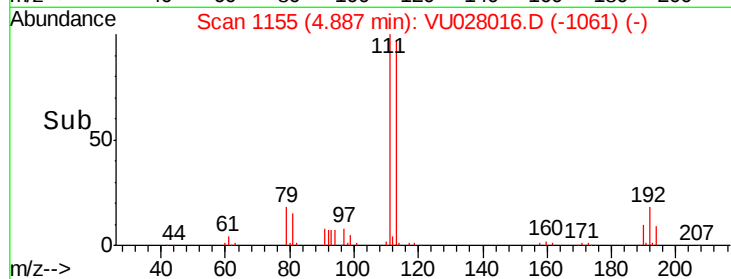
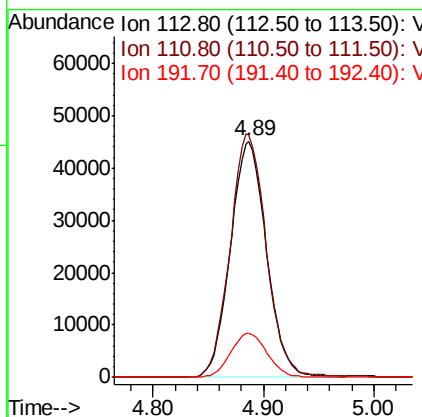
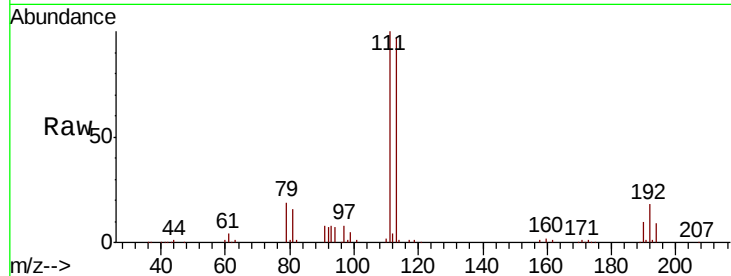
#35
Dibromofluoromethane
Concen: 49.269 ug/l
RT: 4.89 min Scan# 1155
Delta R.T. 0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	83.0	124.6	
192	19.0	15.6	23.4	

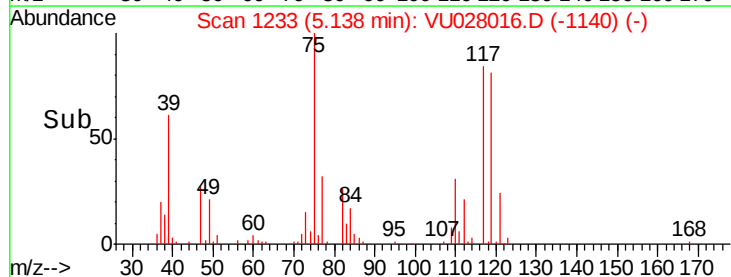
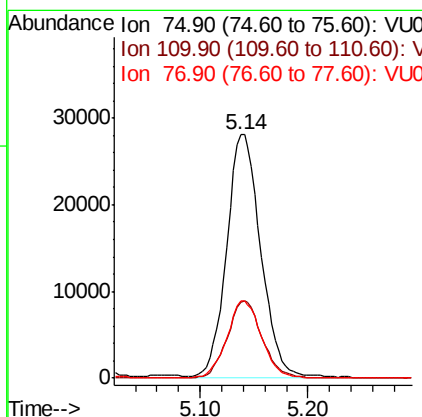
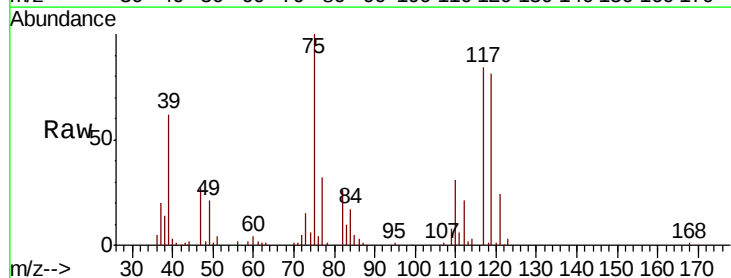
Manual Integrations
APPROVED

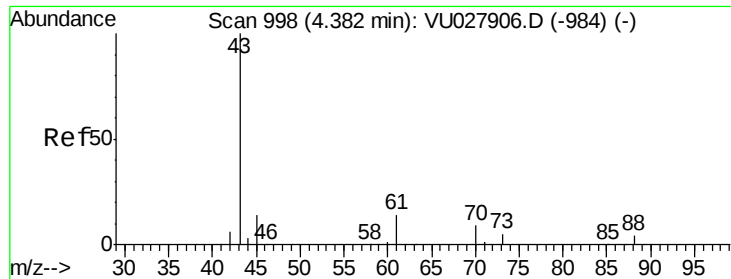
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11/9/2018 12:03:09 PM



#36
1,1-Dichloropropene
Concen: 17.757 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.7	16.5	49.5	
77	32.4	24.9	37.3	





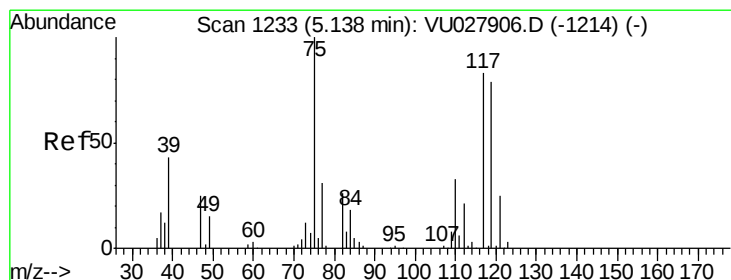
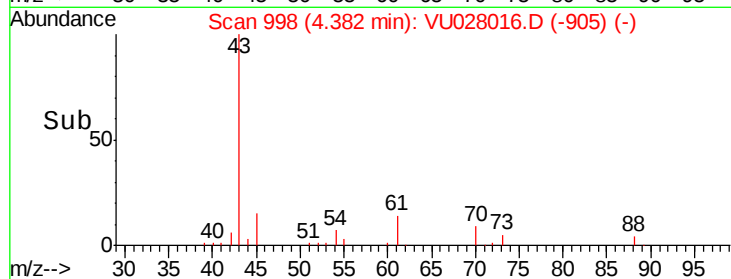
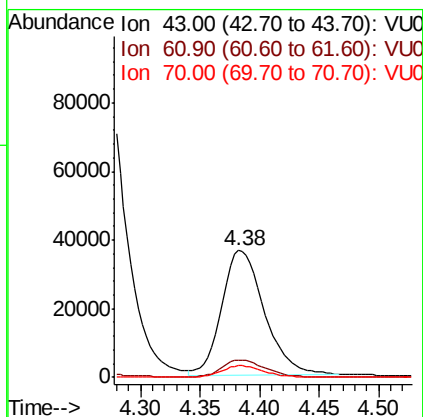
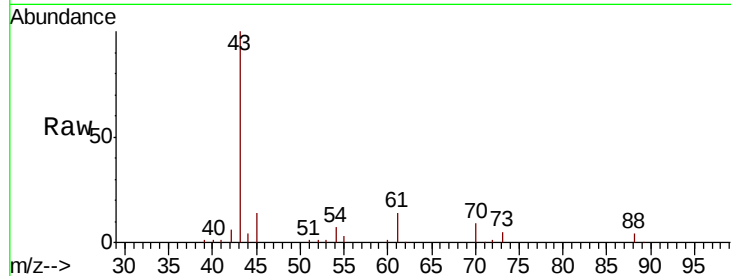
#37
Ethyl Acetate
Concen: 17.915 ug/l
RT: 4.38 min Scan# 998
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.3	15.5
70	9.0	7.0	10.6

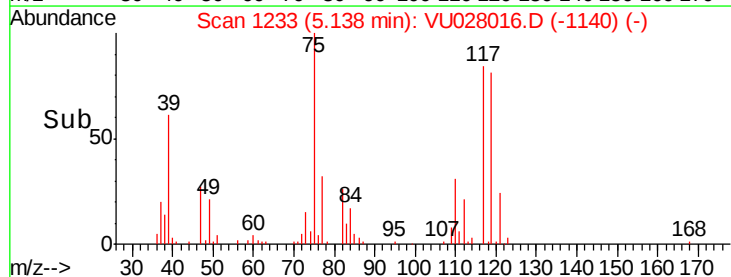
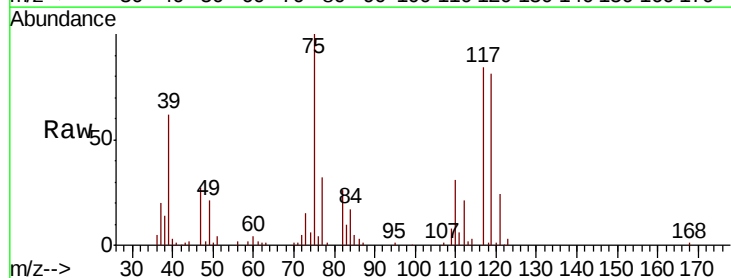
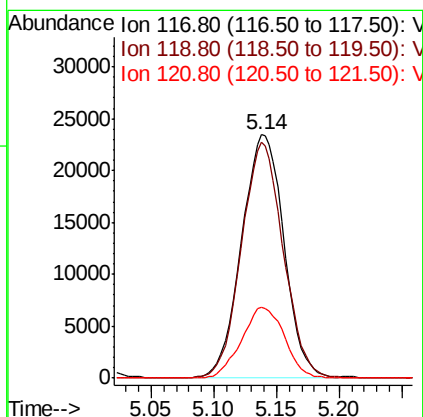
Manual Integrations
APPROVED

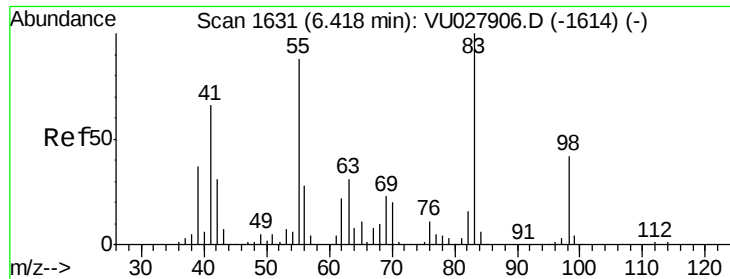
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#38
Carbon Tetrachloride
Concen: 18.090 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.0	114.0
121	29.1	24.5	36.7





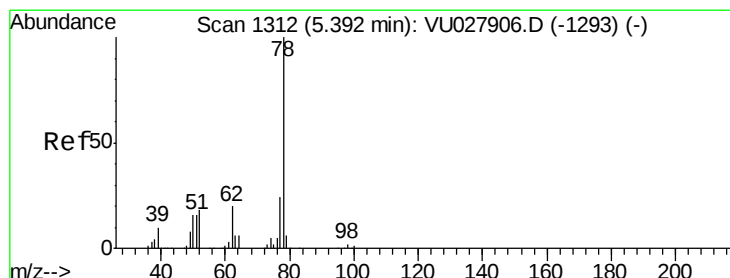
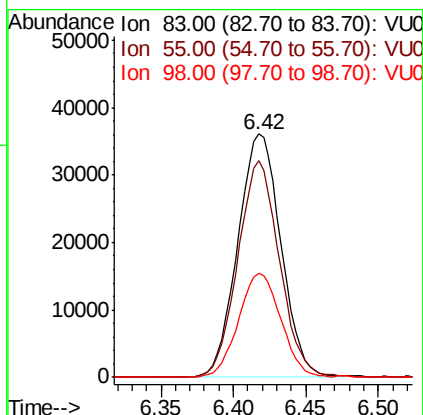
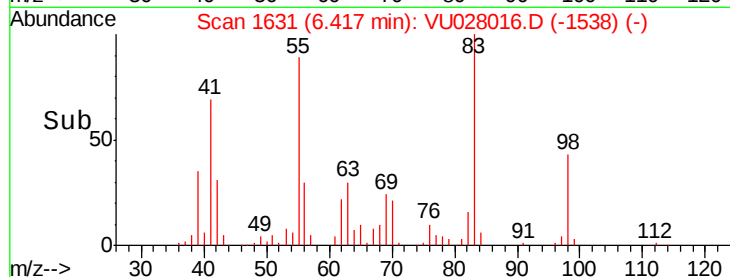
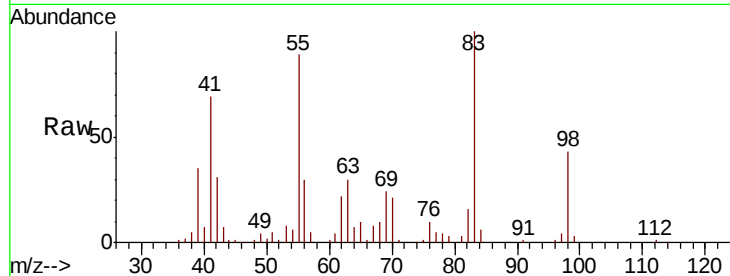
#39
Methylvlcvclohexane
Concen: 18.001 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion	83	Resp	74646
Ion Ratio	Lower	Upper	
83	100		
55	88.9	70.3	105.5
98	42.6	34.0	51.0

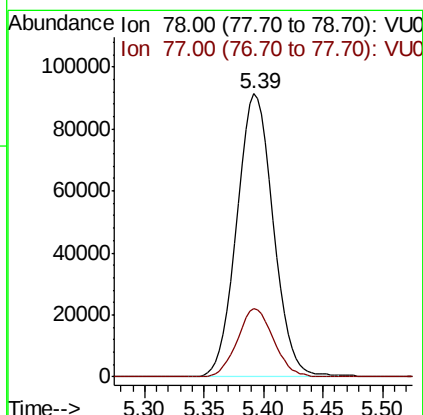
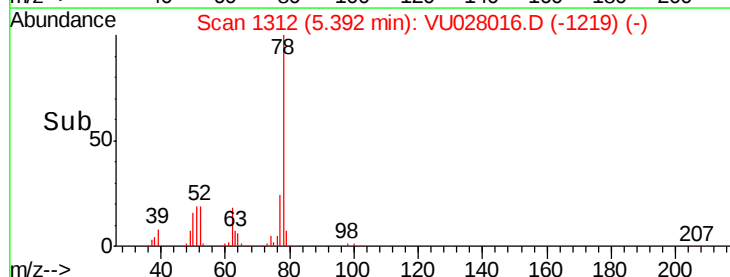
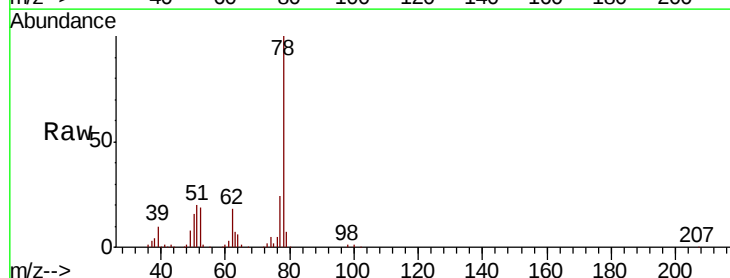
Manual Integrations
APPROVED

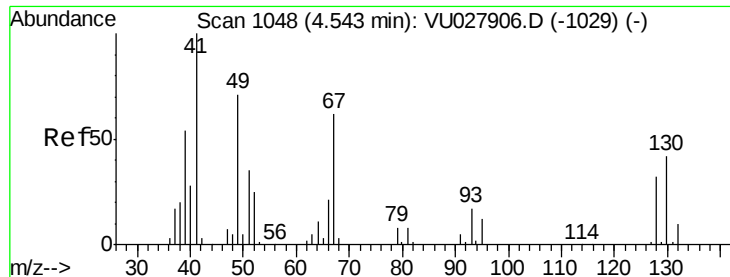
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11/9/2018 12:03:09 PM



#40
Benzene
Concen: 18.504 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	78	Resp	194506
Ion Ratio	Lower	Upper	
78	100		
77	24.3	19.3	28.9





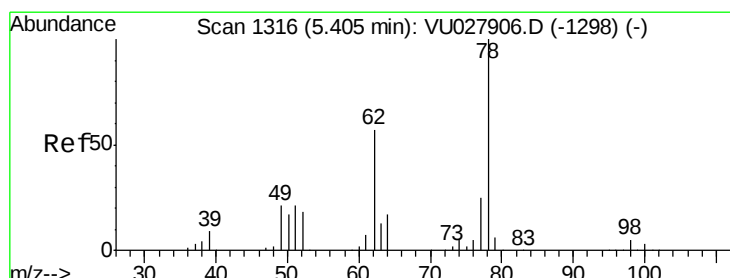
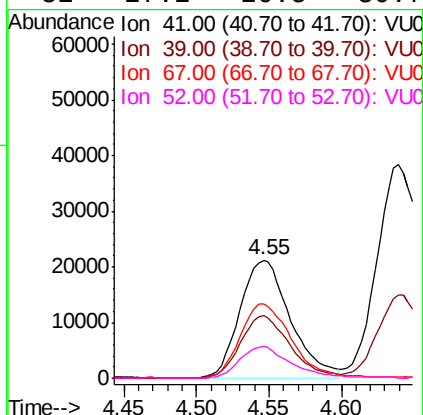
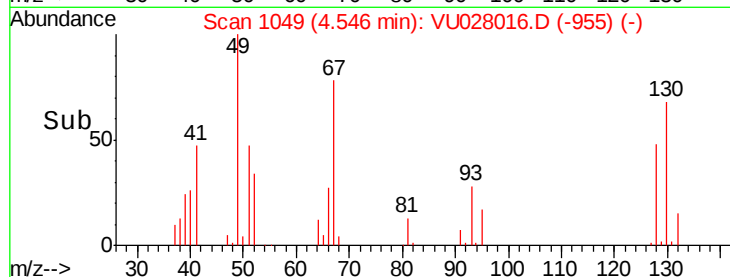
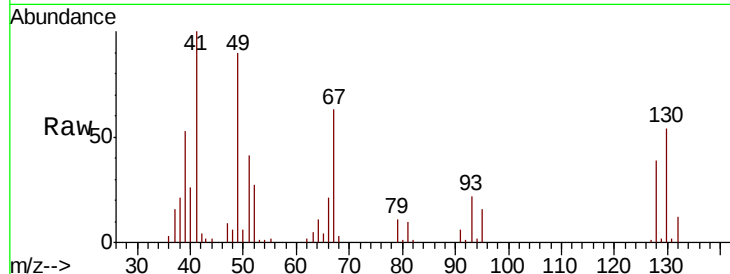
#41
Methacrylonitrile
Concen: 19.143 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	42.2	63.4	
67	64.1	49.5	74.3	
52	27.2	20.5	30.7	

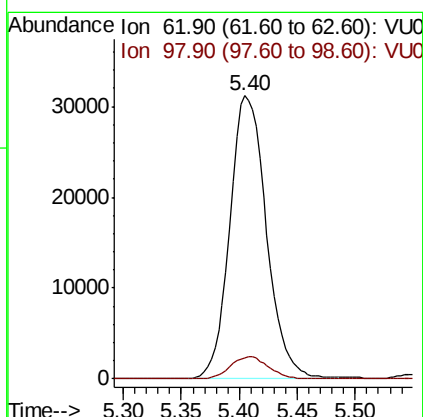
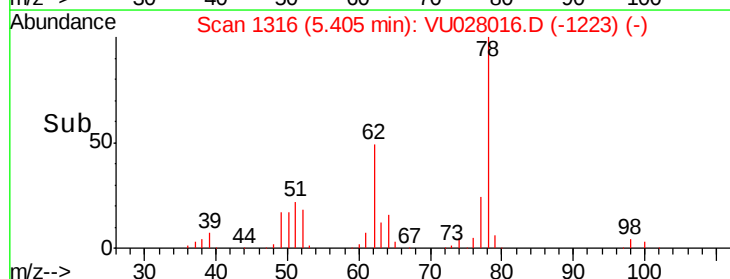
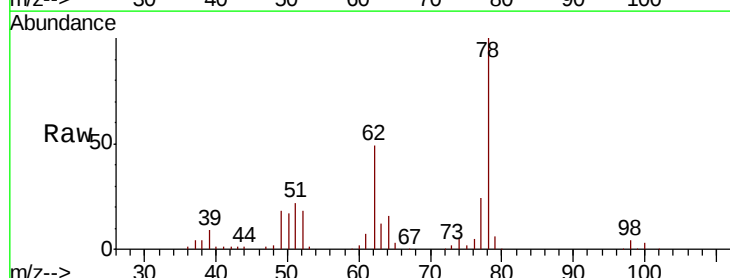
Manual Integrations
APPROVED

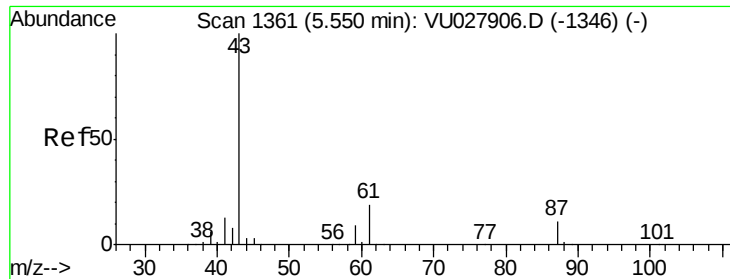
MMDadoda
11/9/2018 12:03:09 PM



#42
1,2-Dichloroethane
Concen: 18.255 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	17.2	





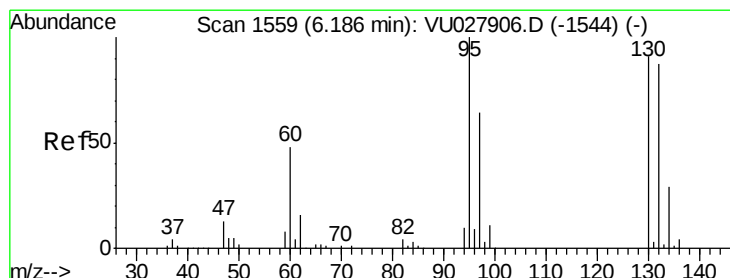
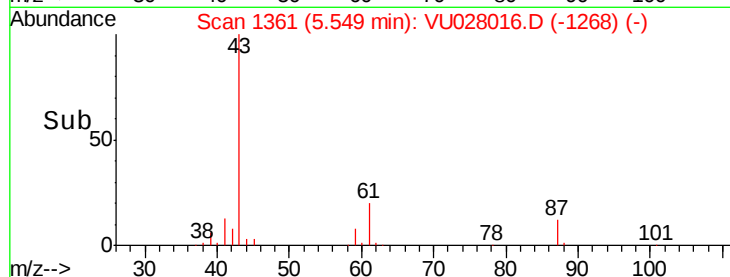
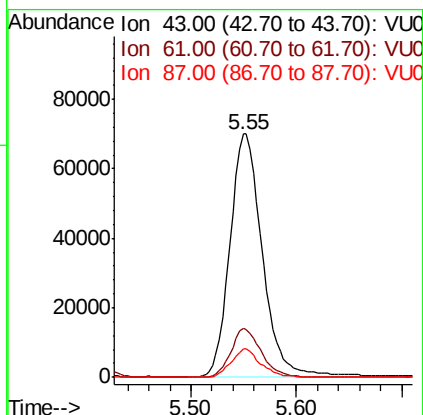
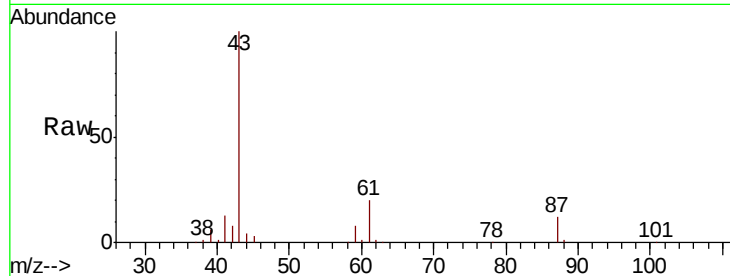
#43
Isopropyl Acetate
Concen: 18.747 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.0	22.4
87	10.9	8.6	12.8

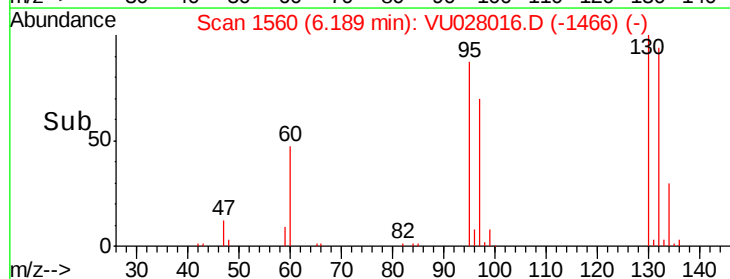
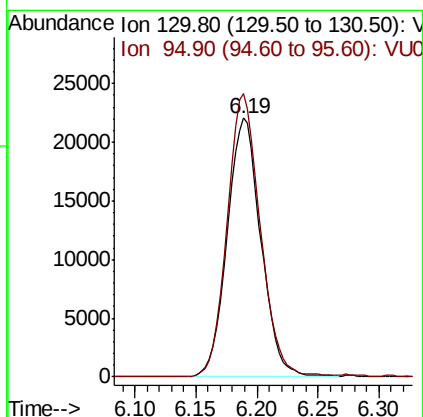
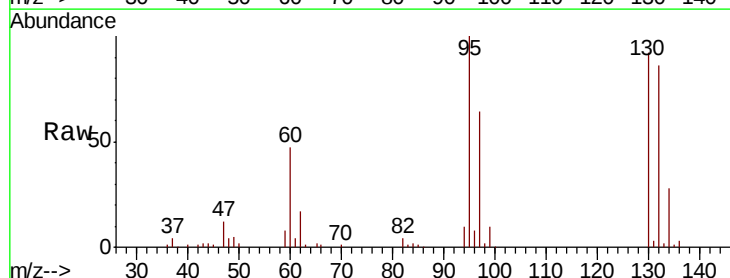
Manual Integrations
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#44
Trichloroethene
Concen: 18.795 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.3	0.0	219.2





#45

1,2-Dichloropropane

Concen: 19.246 ug/l

RT: 6.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBSD01

Tot Ion: 63 Resp: 58346

Ion Ratio Lower Upper

63 100

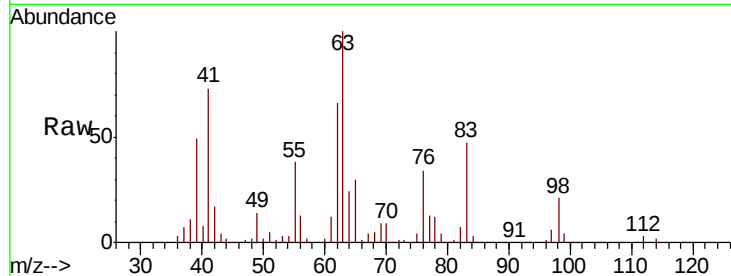
65 29.9 24.4 36.6

Manual Integrations

APPROVED

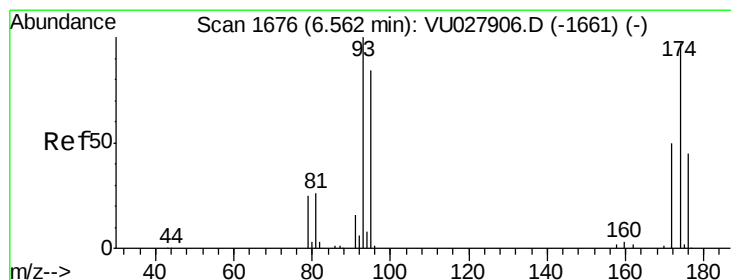
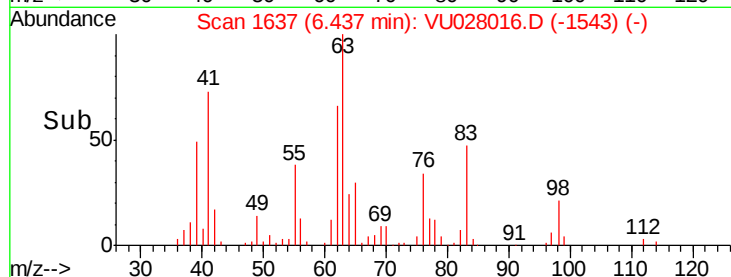
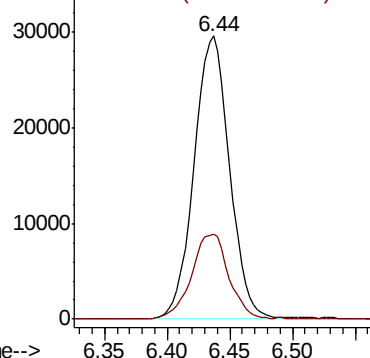
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 19.108 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

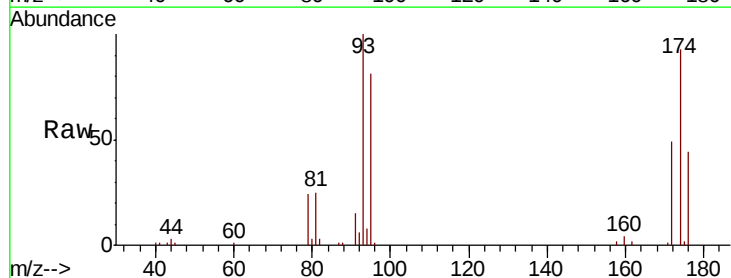
Tgt Ion: 93 Resp: 33297

Ion Ratio Lower Upper

93 100

95 82.6 68.5 102.7

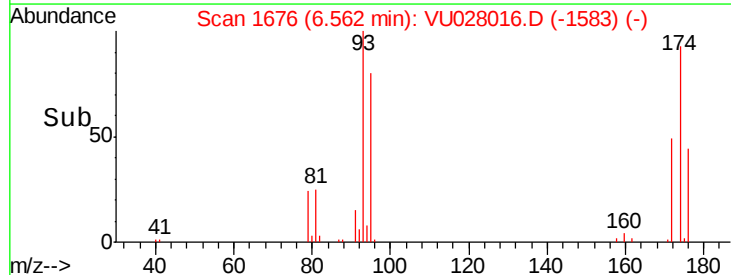
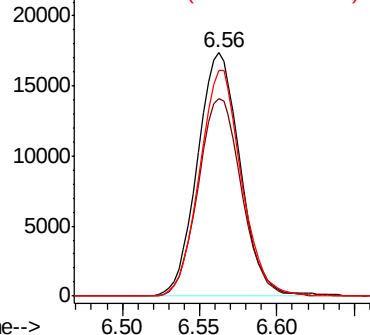
174 91.2 76.1 114.1

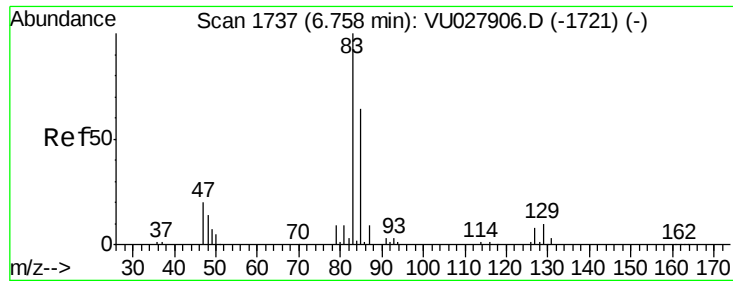


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.124 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

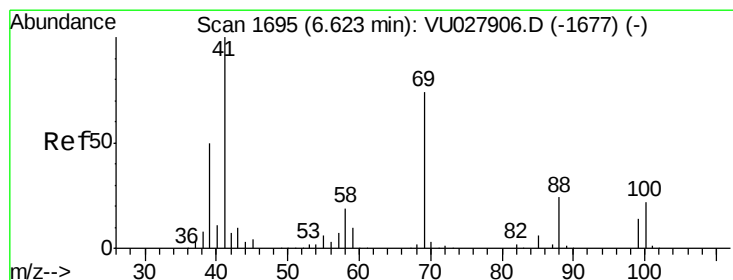
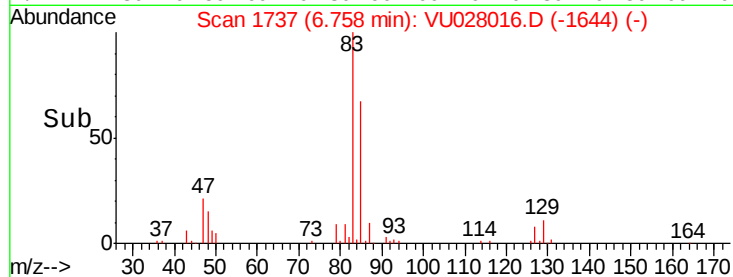
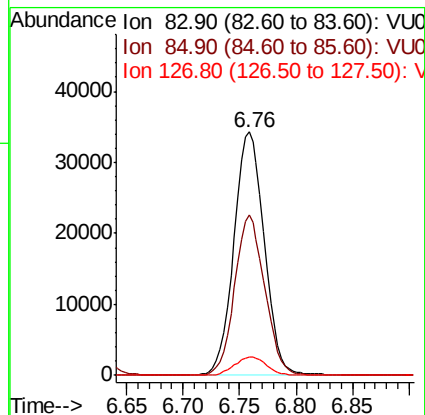
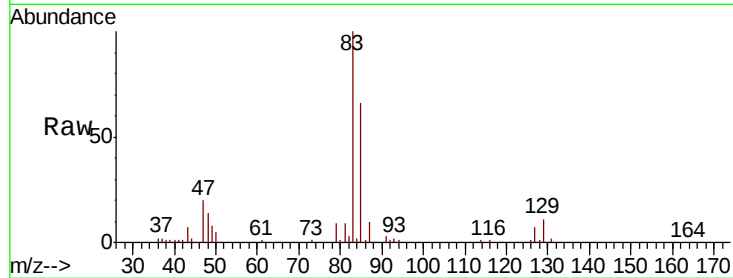
ClientSampleId :

VU1108WBSD01

Tot Ion:	83	Resp:	64221
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.0	76.6
127	7.5	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.599 ug/l

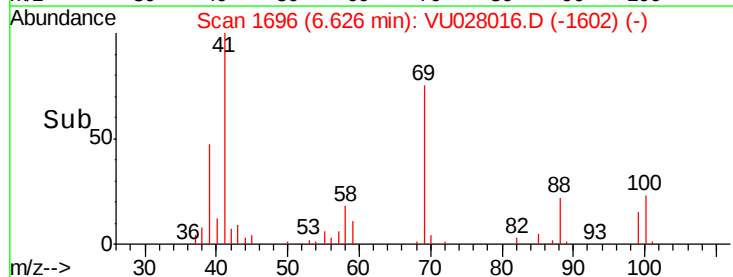
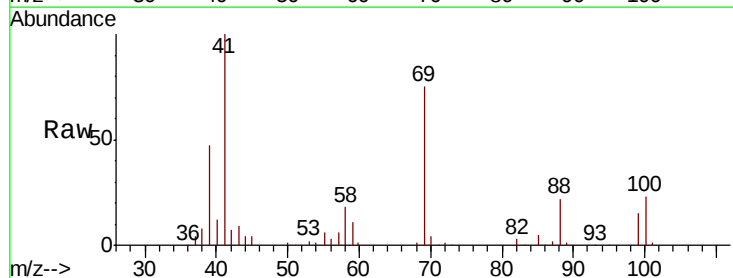
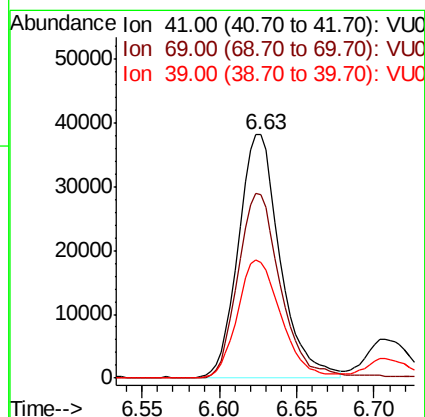
RT: 6.63 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Tgt Ion:	41	Resp:	71937
Ion	Ratio	Lower	Upper
41	100		
69	76.8	59.8	89.8
39	50.8	40.0	60.0





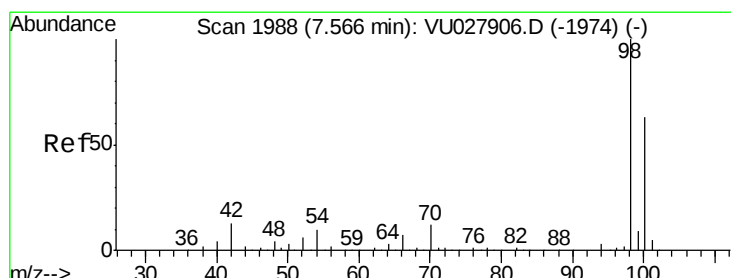
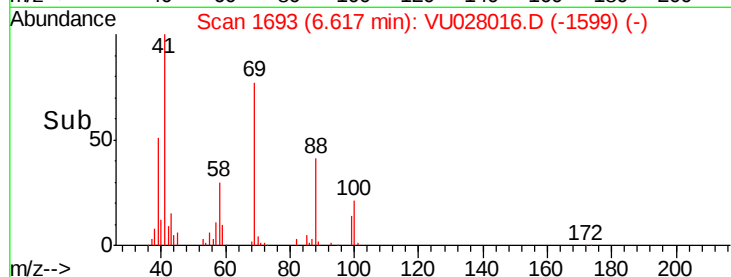
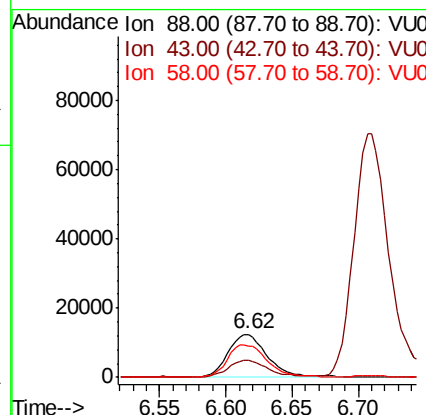
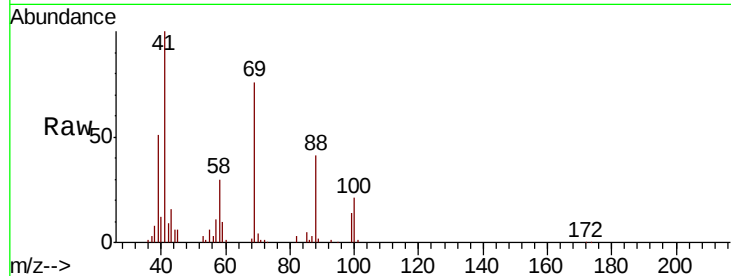
#49
1,4-Dioxane
Concen: 407.976 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	30.5	45.7
58	76.2	67.1	100.7

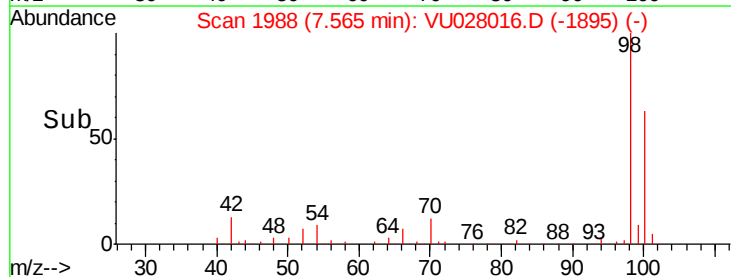
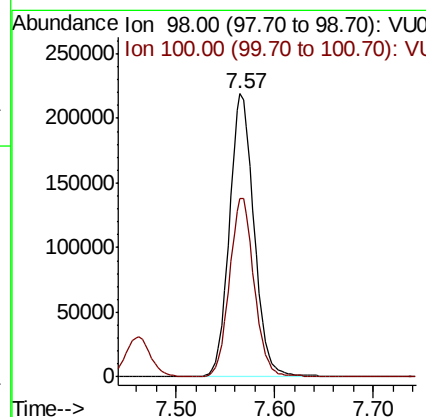
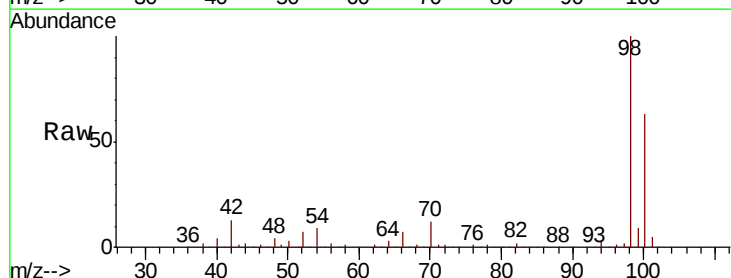
Manual Integrations
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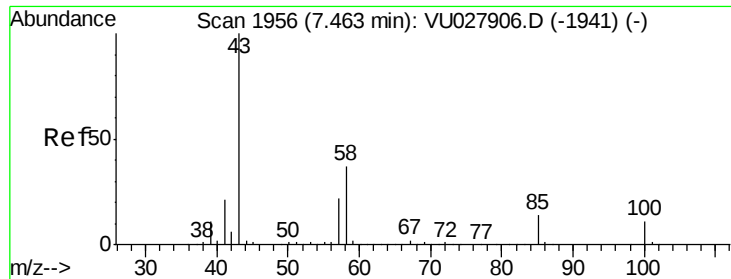
MMDadoda
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#50
Toluene-d8
Concen: 48.066 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 92.869 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBSD01

Tot Ion: 43 Resp: 489507

Ion Ratio Lower Upper

43 100

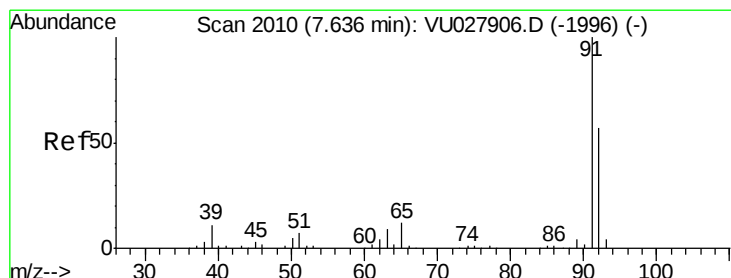
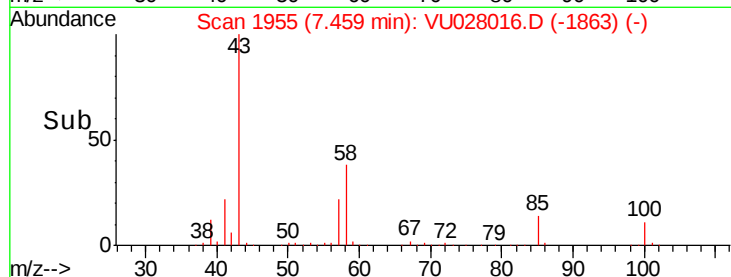
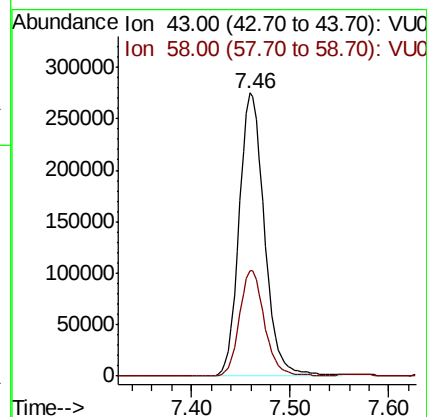
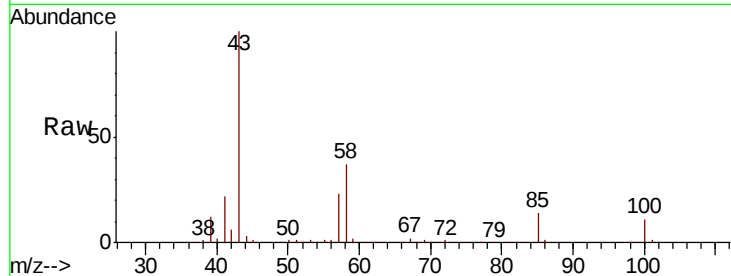
58 37.1 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 18.349 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028016.D

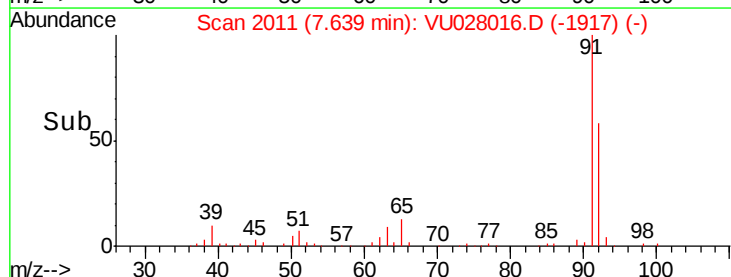
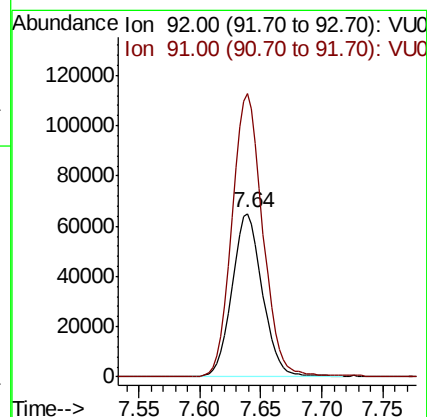
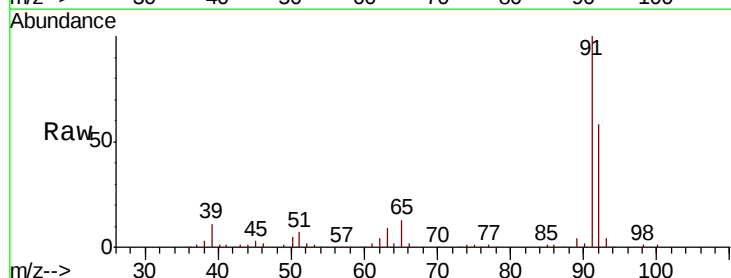
Acq: 08 Nov 2018 11:22

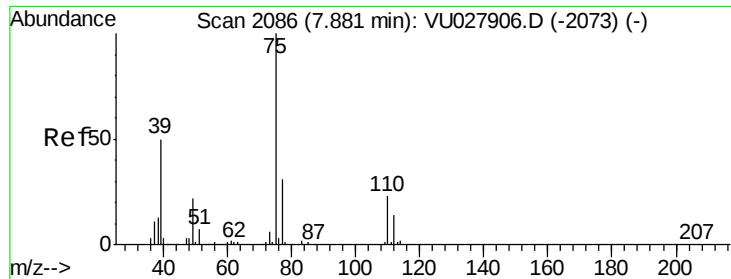
Tgt Ion: 92 Resp: 113396

Ion Ratio Lower Upper

92 100

91 175.4 141.2 211.8





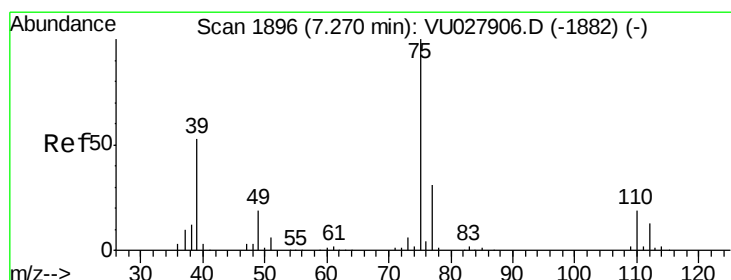
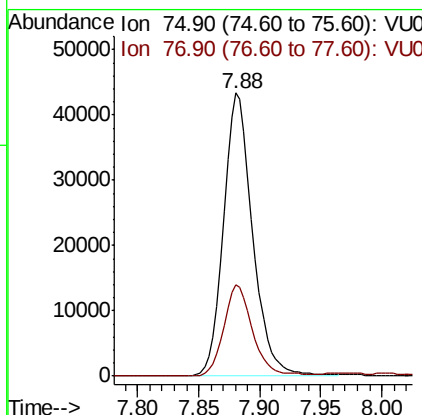
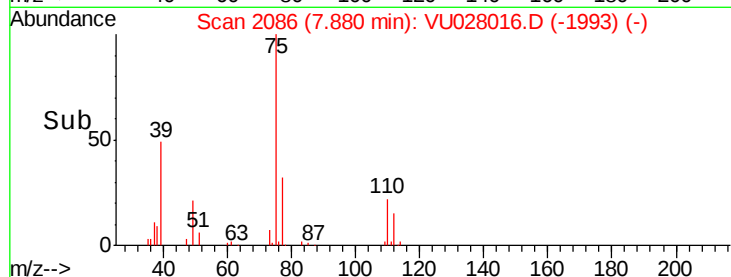
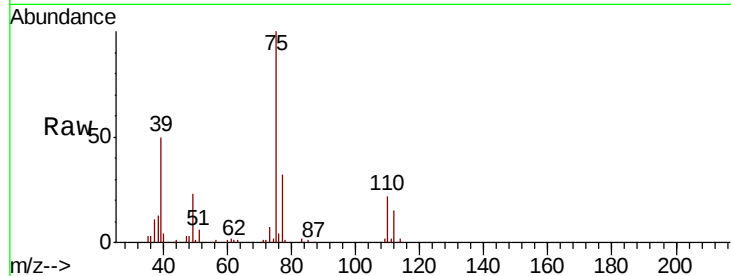
#53
 t-1,3-Dichloropropene
 Concen: 18.172 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBSD01

Tot Ion: 75 Resp: 72644
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.1 37.7

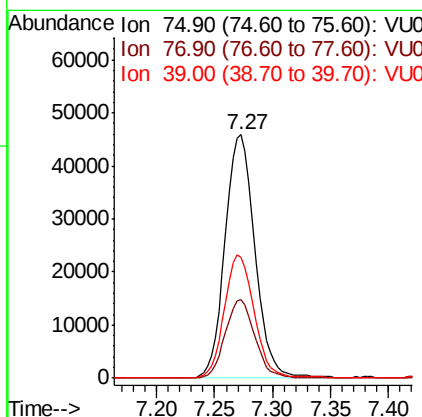
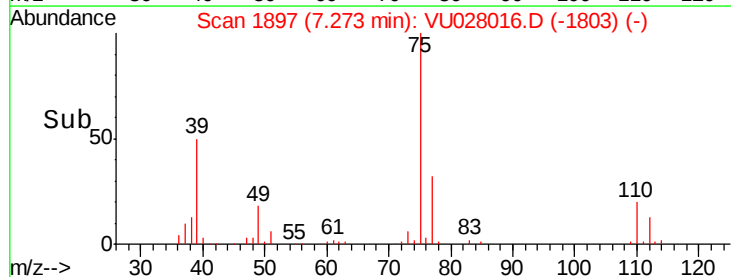
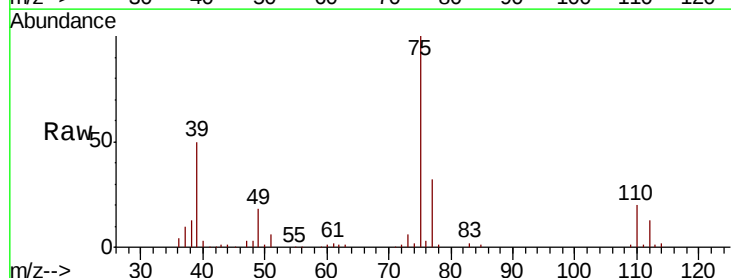
Manual Integrations
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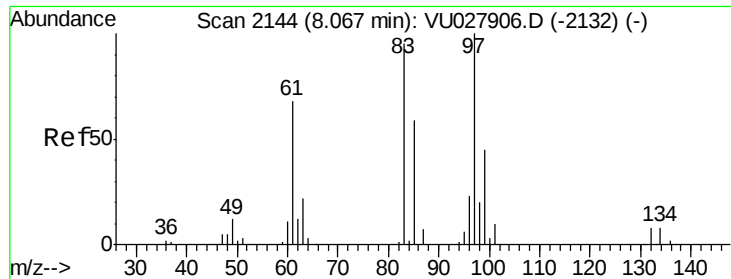
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#54
 cis-1,3-Dichloropropene
 Concen: 19.787 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Tgt Ion: 75 Resp: 81912
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.6 37.0
 39 49.5 42.6 64.0





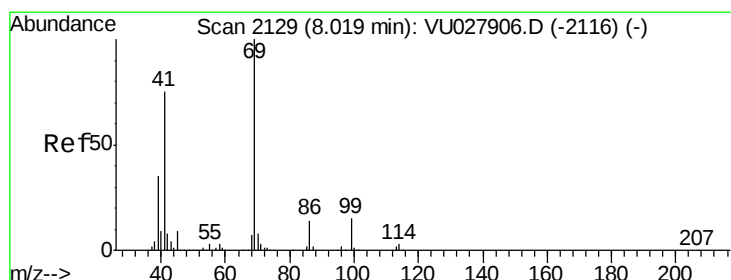
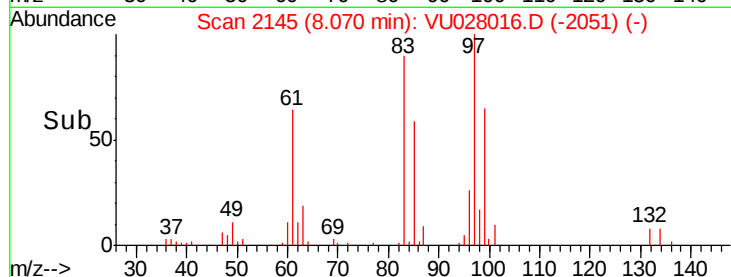
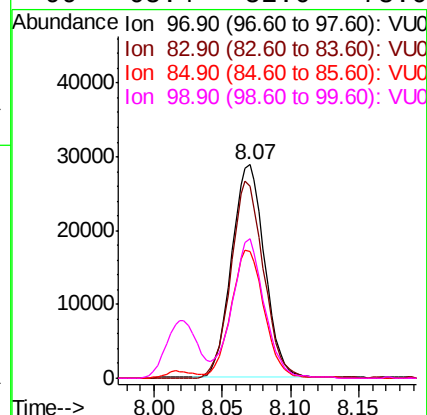
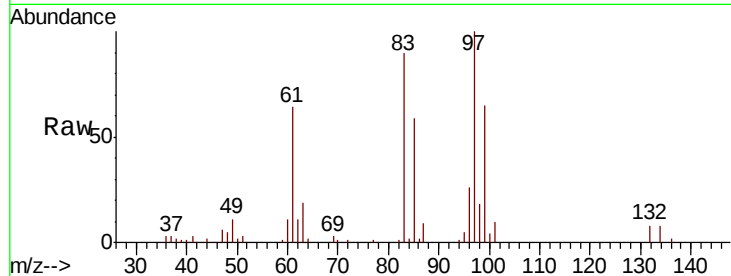
#55
 1,1,2-Trichloroethane
 Concen: 19.264 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBSD01

Tot Ion:	97	Resp:	48435
Ion	Ratio	Lower	Upper
97	100		
83	90.0	76.1	114.1
85	59.3	48.9	73.3
99	65.4	52.0	78.0

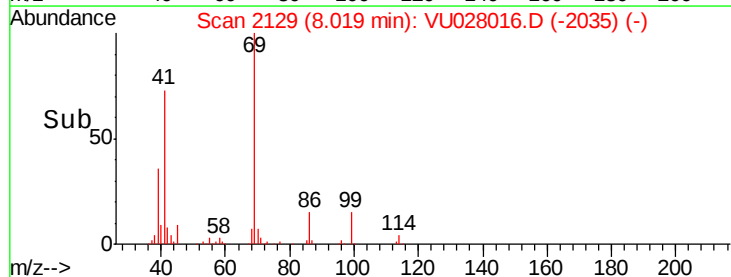
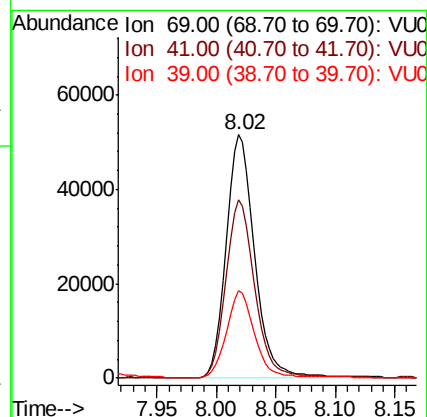
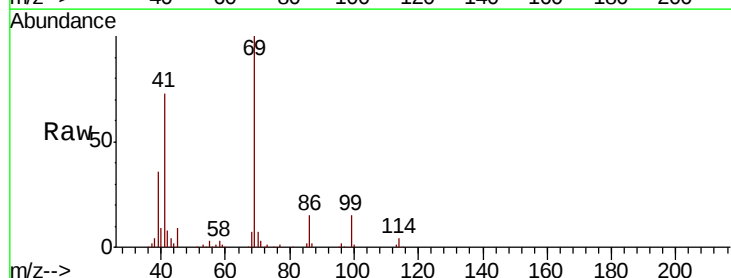
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 19.320 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Tgt Ion:	69	Resp:	85660
Ion	Ratio	Lower	Upper
69	100		
41	73.7	59.8	89.6
39	34.2	28.6	42.8





#57

1,3-Dichloropropane

Concen: 18.905 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBSD01

Tot Ion: 76 Resp: 86584

Ion Ratio Lower Upper

76 100

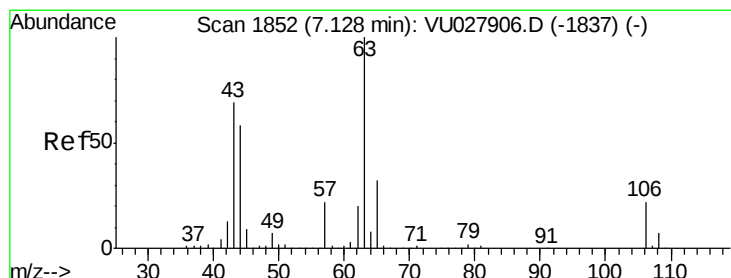
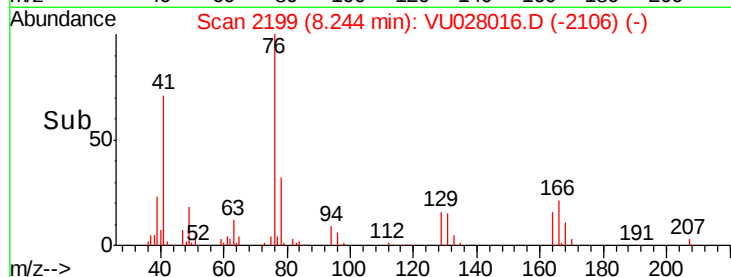
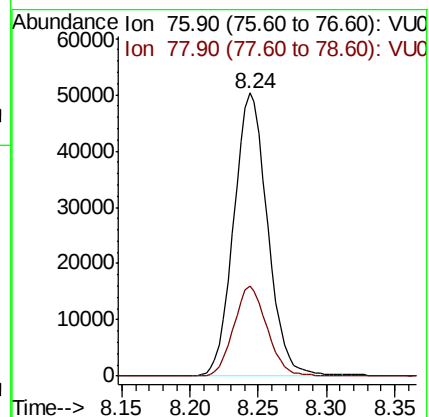
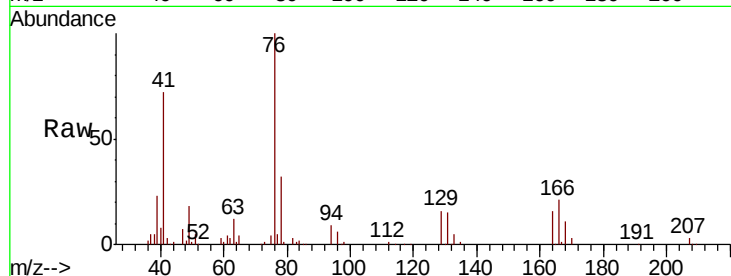
78 31.3 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 96.250 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU028016.D

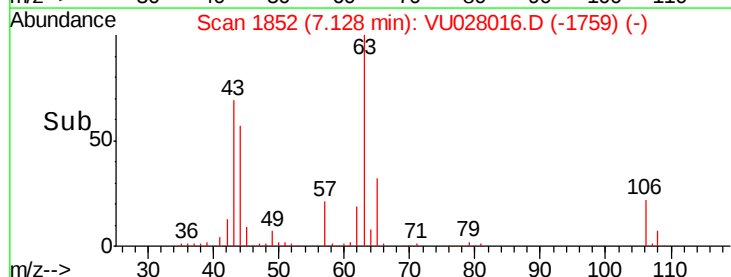
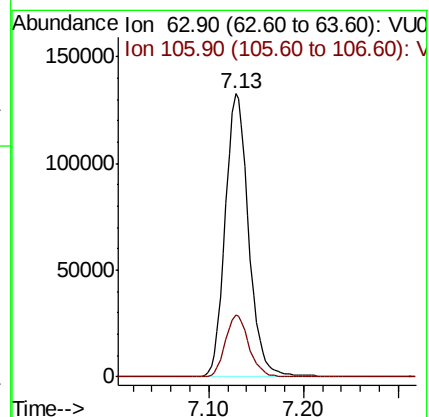
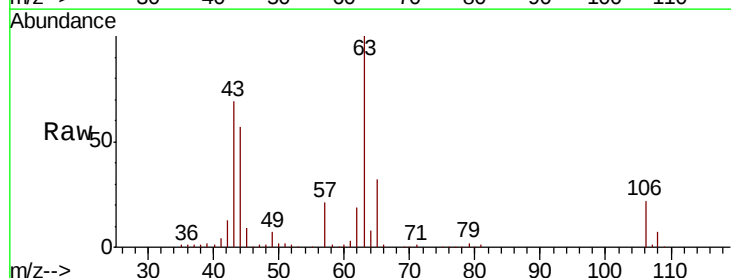
Acq: 08 Nov 2018 11:22

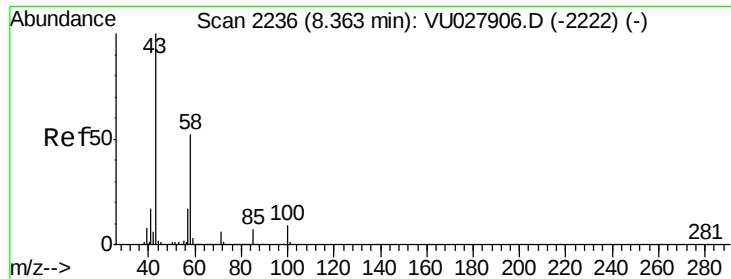
Tgt Ion: 63 Resp: 228559

Ion Ratio Lower Upper

63 100

106 21.9 17.8 26.6





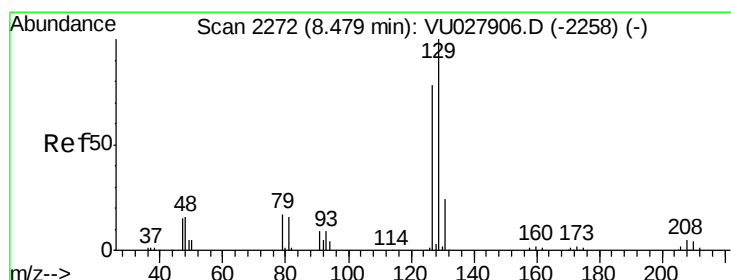
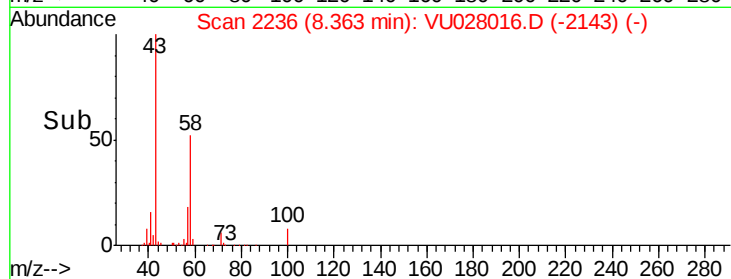
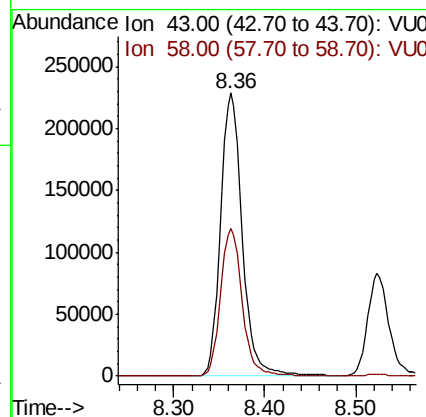
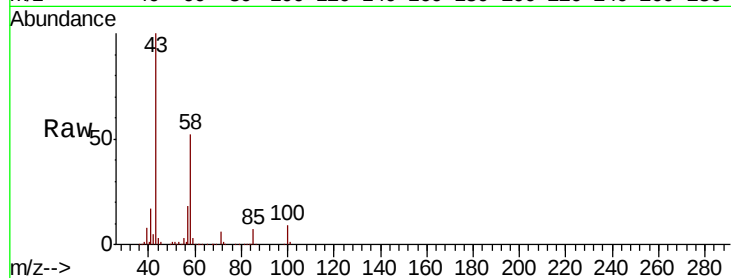
#59
2-Hexanone
Concen: 93.142 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.1	25.8	77.3

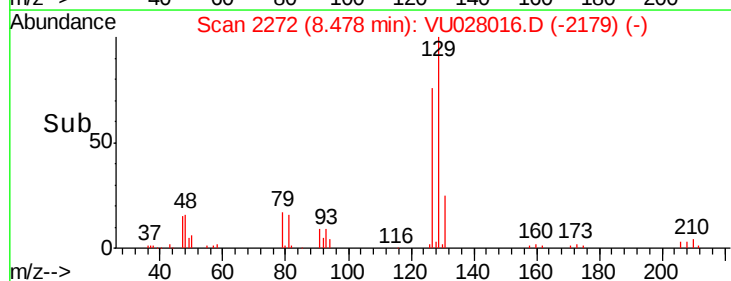
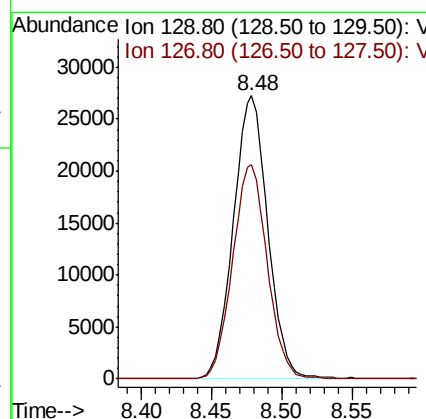
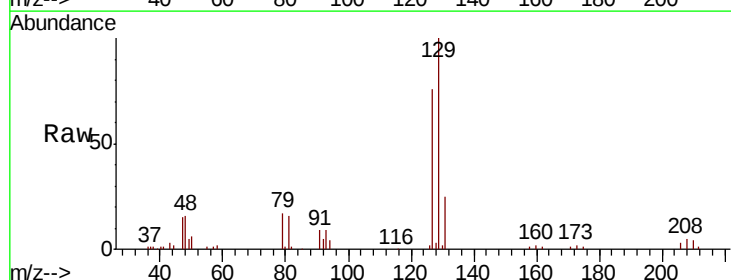
Manual Integrations
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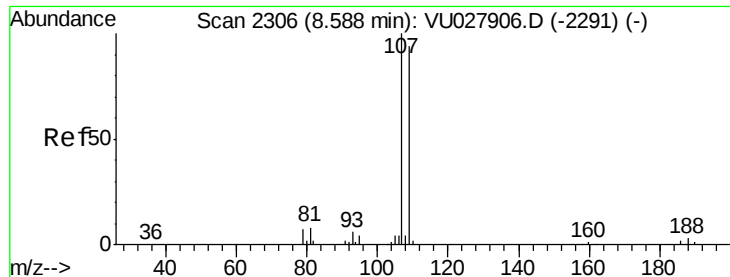
MMDadoda
11/9/2018 12:03:09 PM



#60
Dibromochloromethane
Concen: 19.551 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	39.2	117.6





#61

1,2-Dibromoethane

Concen: 18.965 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBSD01

Tot Ion:107 Resp: 50667

Ion Ratio Lower Upper

107 100

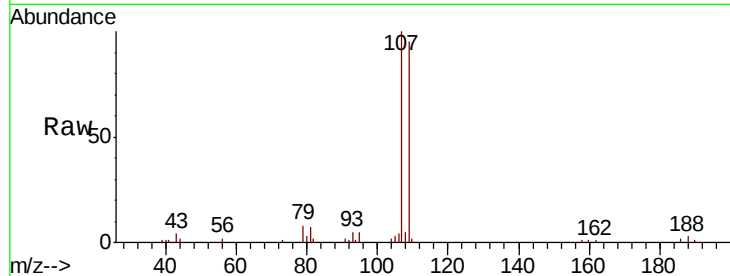
109 92.5 73.8 110.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

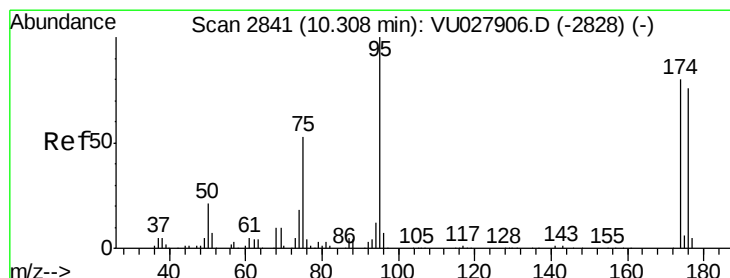
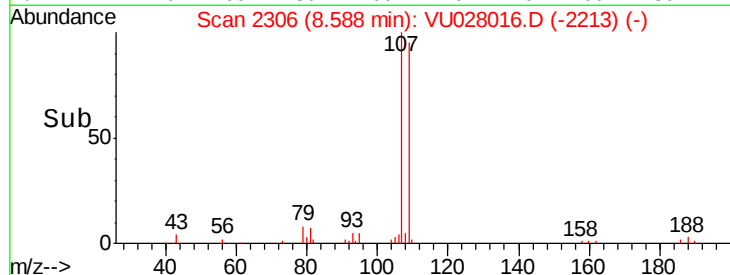
30000

20000

10000

0

Time--> 8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 47.628 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

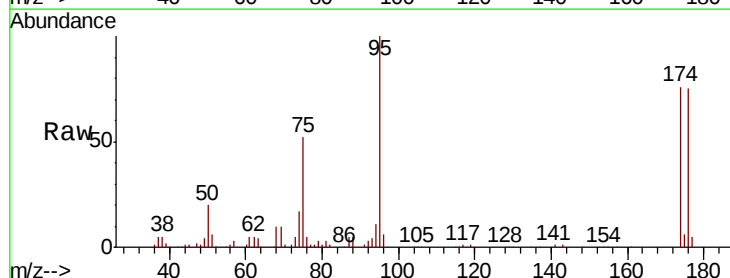
Tgt Ion: 95 Resp: 140463

Ion Ratio Lower Upper

95 100

174 76.0 0.0 156.4

176 74.5 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

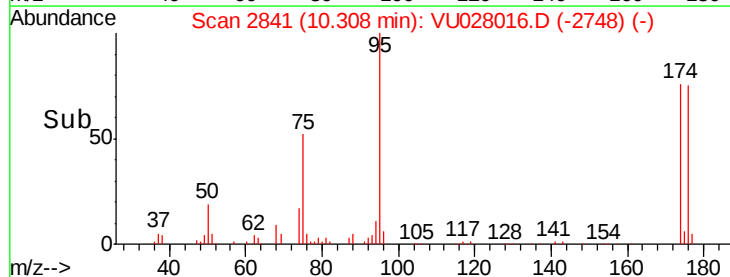
60000

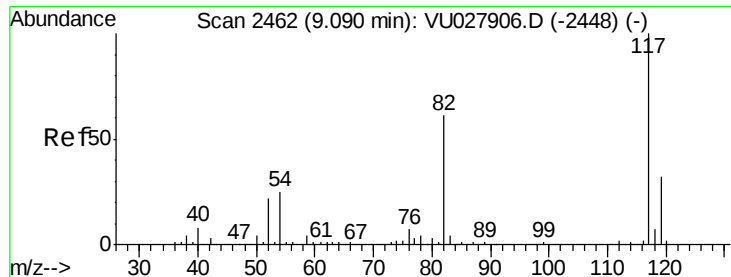
40000

20000

0

Time--> 10.25 10.30 10.35





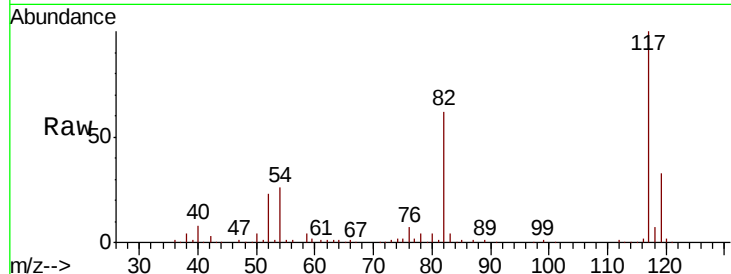
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	296988		
82	62.0	48.6	73.0	
119	32.6	25.8	38.8	

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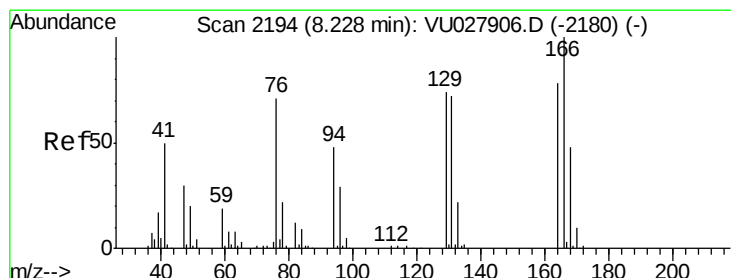
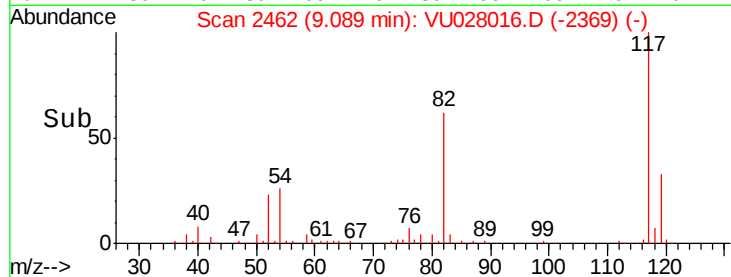
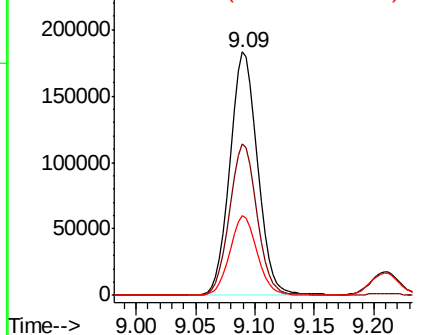


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.396 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	35426		
166	124.3	102.1	153.1	
129	90.5	75.9	113.9	
131	90.9	73.0	109.6	

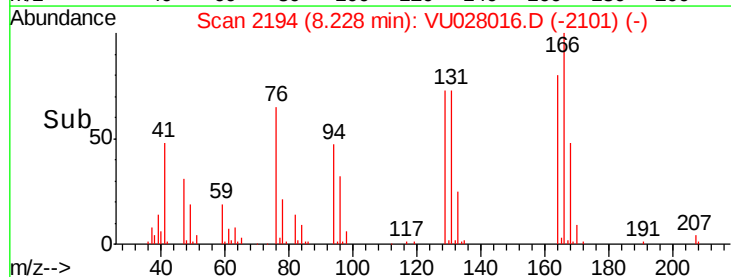
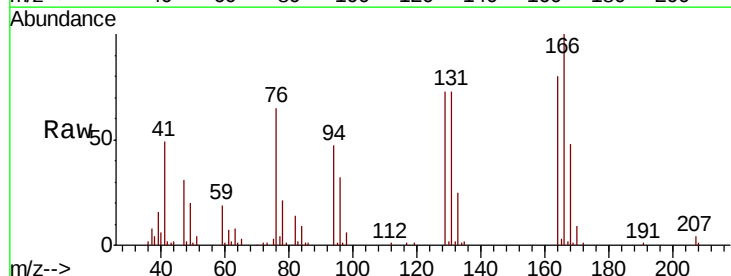
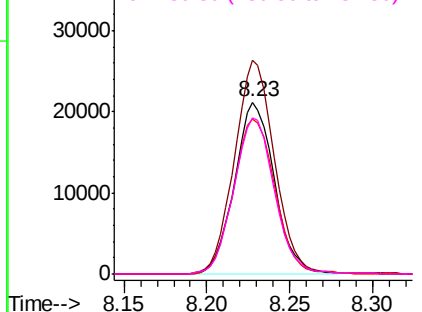
Abundance

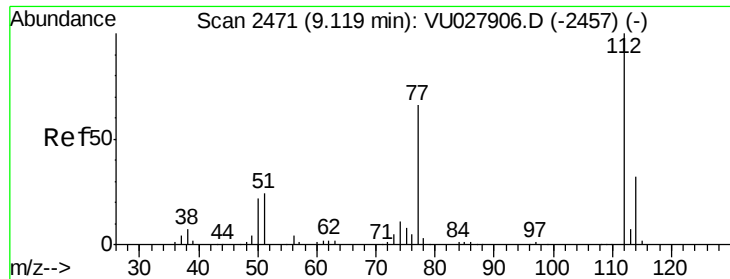
Ion 163.80 (163.50 to 164.50): V

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





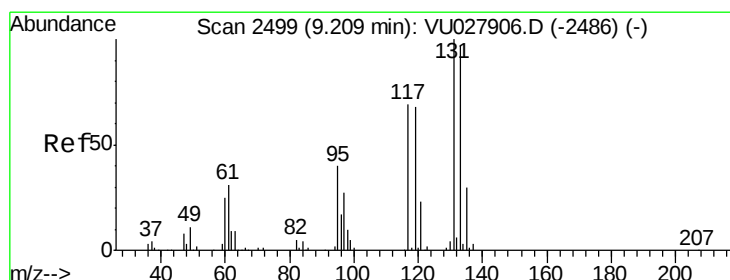
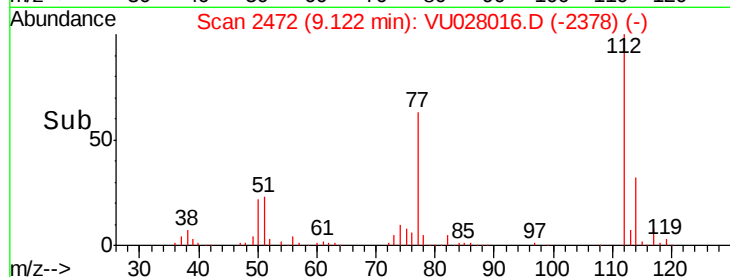
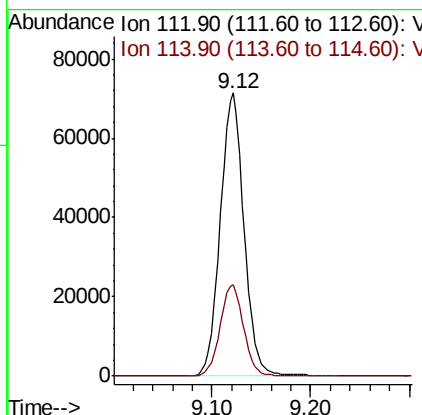
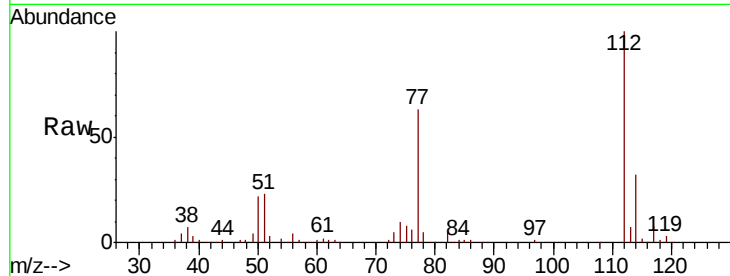
#65
Chlorobenzene
Concen: 19.266 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion:112 Resp: 120885
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8

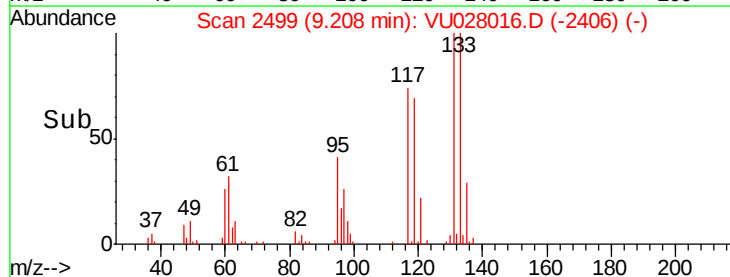
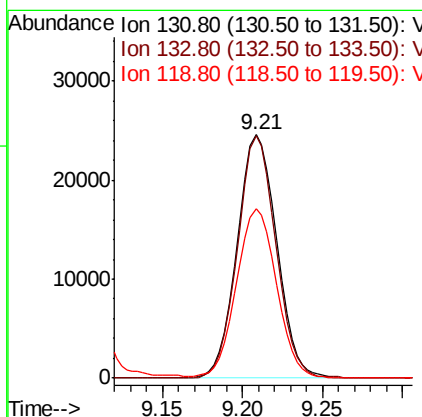
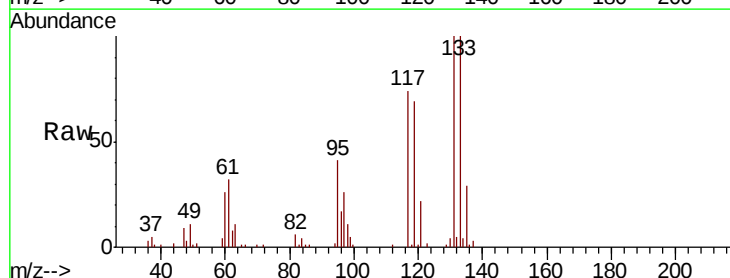
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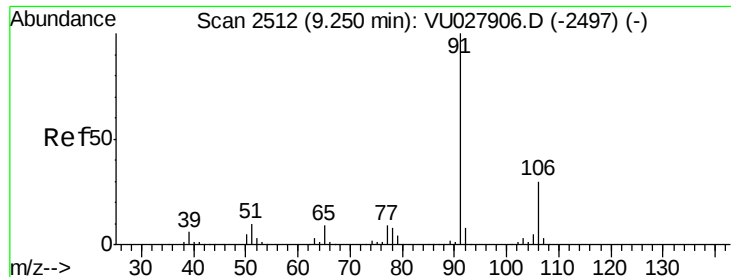
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.333 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion:131 Resp: 41434
Ion Ratio Lower Upper
131 100
133 96.0 48.1 144.4
119 70.6 34.0 101.8





#67

Ethyl Benzene

Concen: 18.863 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBSD01

Tot Ion: 91 Resp: 217857

Ion Ratio Lower Upper

91 100

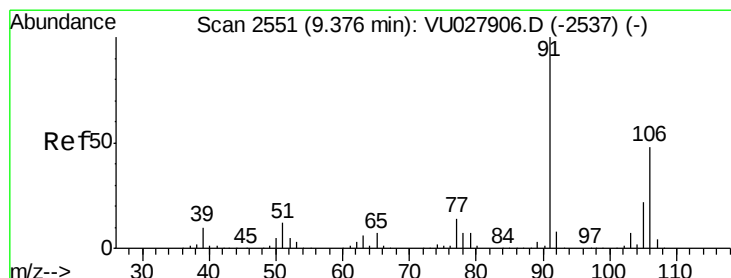
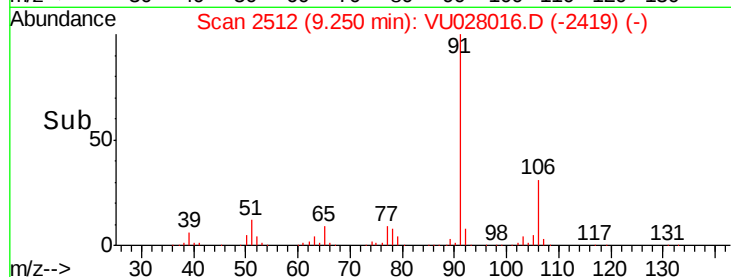
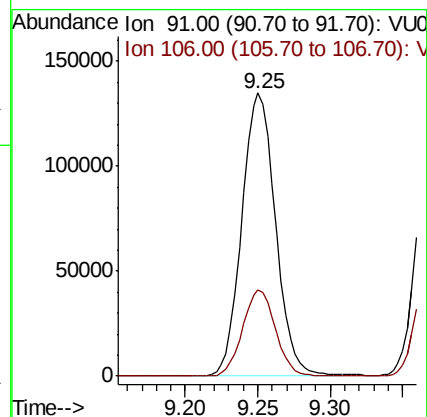
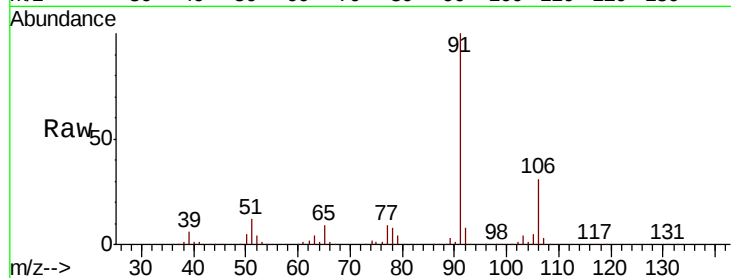
106 30.5 23.6 35.4

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#68

m/p-Xylenes

Concen: 38.033 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU028016.D

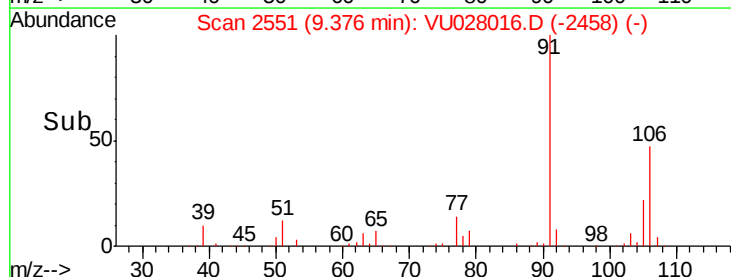
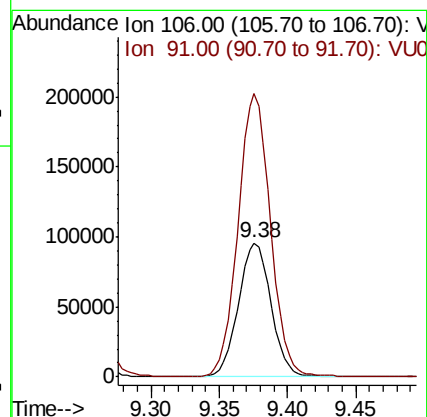
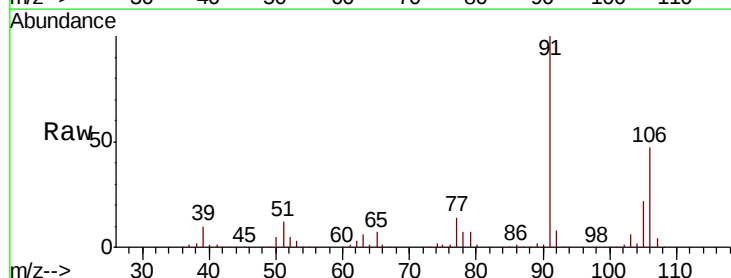
Acq: 08 Nov 2018 11:22

Tgt Ion: 106 Resp: 159383

Ion Ratio Lower Upper

106 100

91 207.7 168.2 252.4





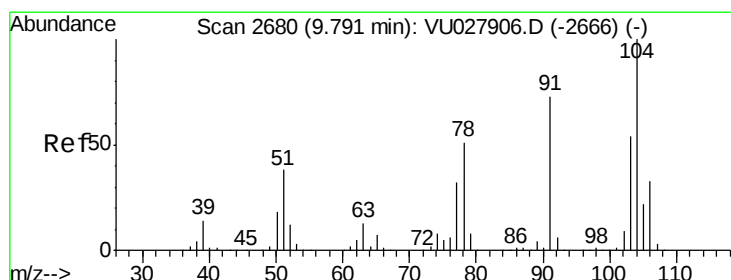
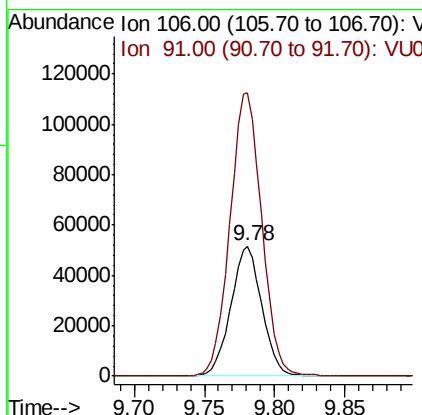
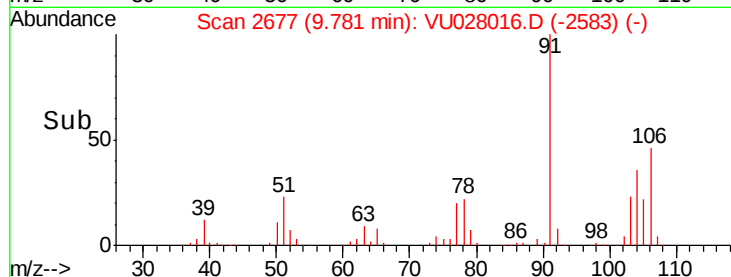
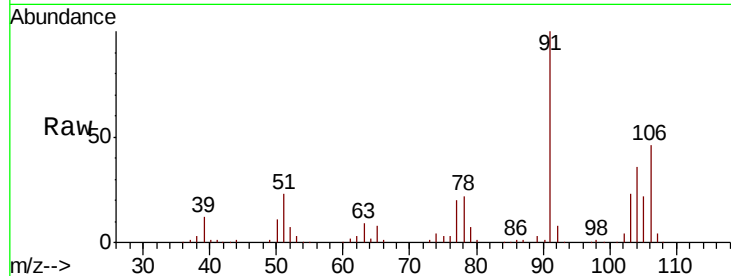
#69
o-Xylene
Concen: 18.819 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion:106 Resp: 79636
Ion Ratio Lower Upper
106 100
91 222.9 111.1 333.4

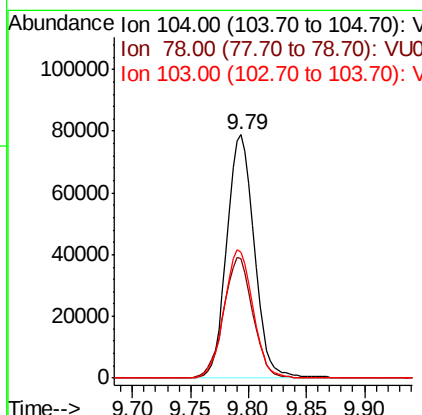
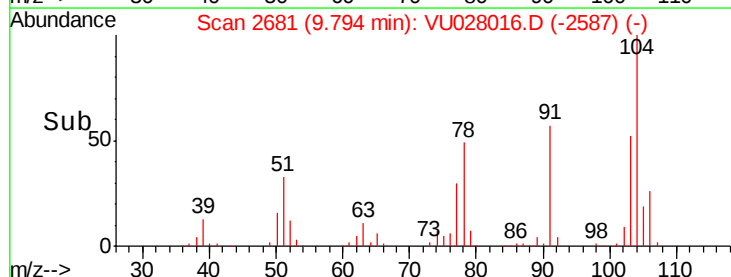
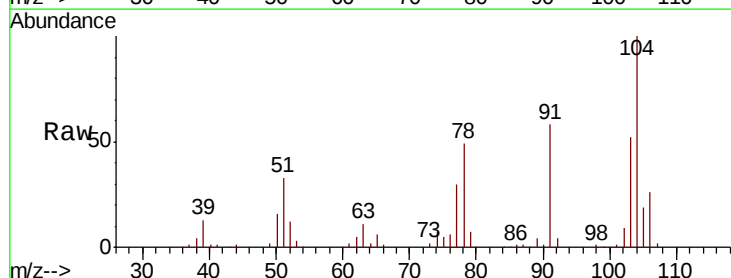
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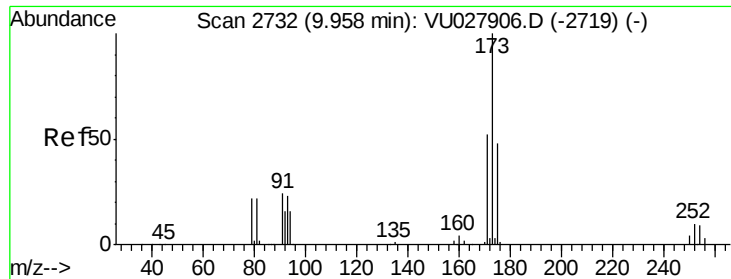
MMDadoda
11/9/2018 12:03:09 PM



#70
Styrene
Concen: 19.089 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion:104 Resp: 129070
Ion Ratio Lower Upper
104 100
78 52.8 43.0 64.4
103 55.2 45.1 67.7





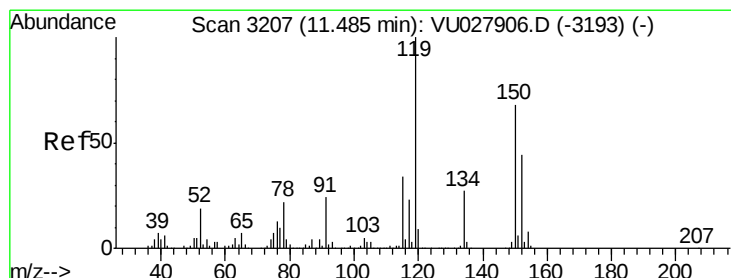
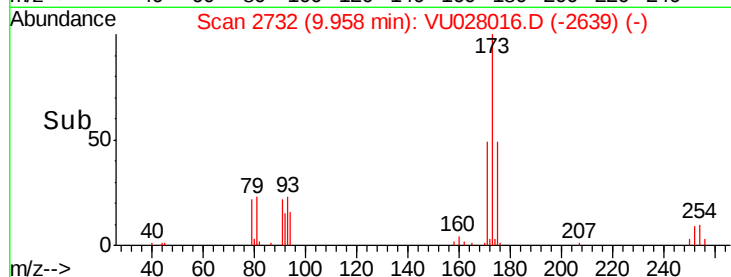
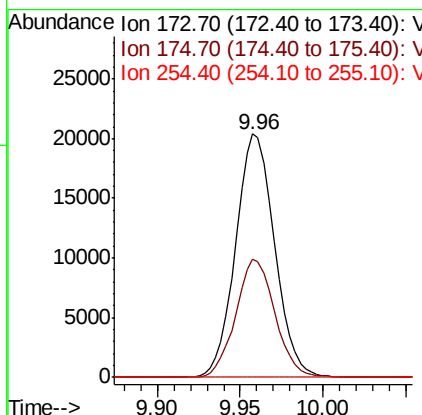
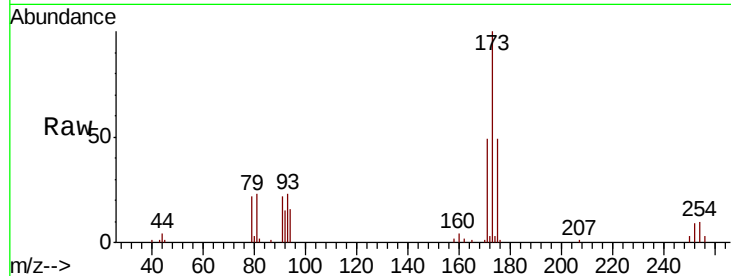
#71
Bromoform
Concen: 18.588 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.8
254	0.0	0.0	0.0

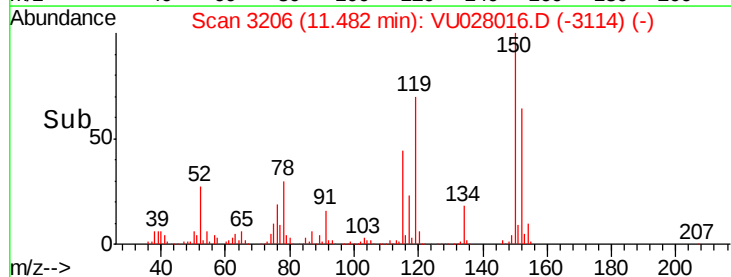
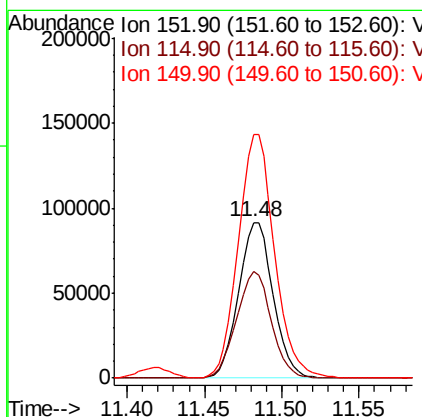
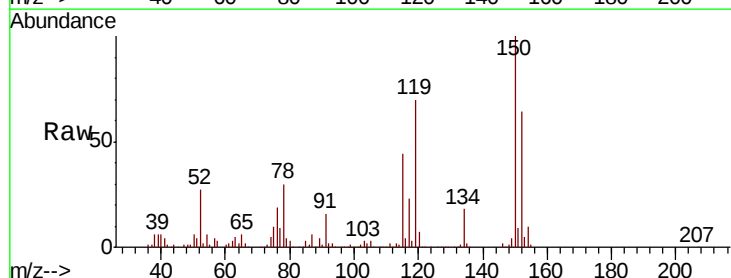
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.9	43.0	129.0
150	164.5	0.0	349.4





#73

Isopropylbenzene

Concen: 19.428 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBSD01

Tot Ion: 105 Resp: 214131

Ion Ratio Lower Upper

105 100

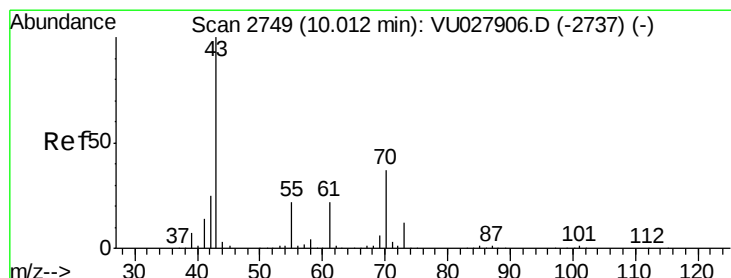
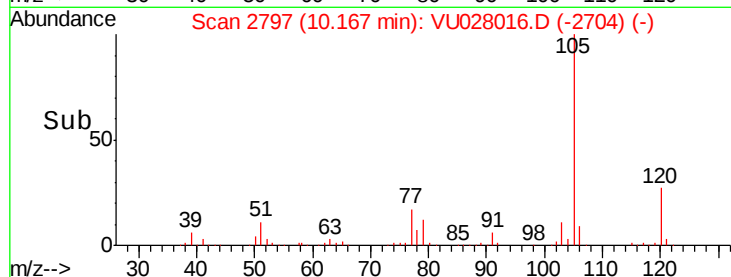
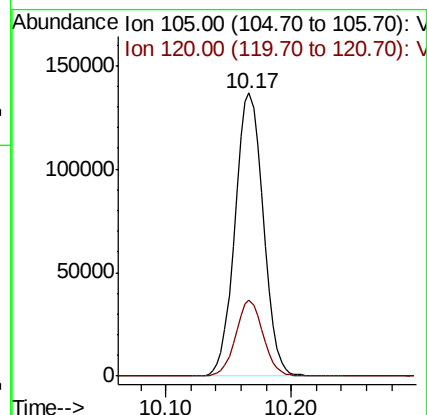
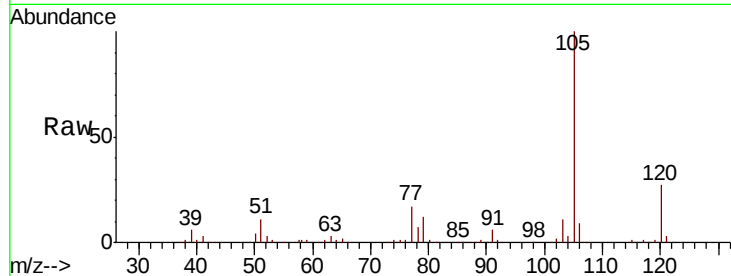
120 25.9 12.7 38.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.246 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Tgt Ion: 43 Resp: 128268

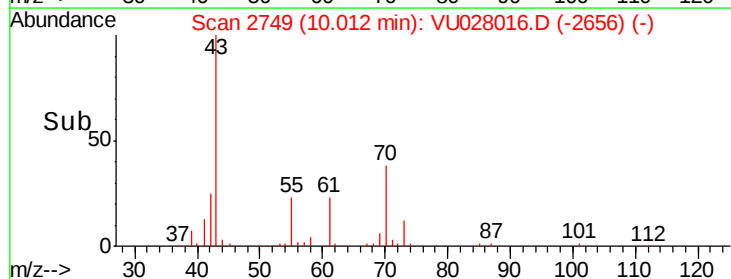
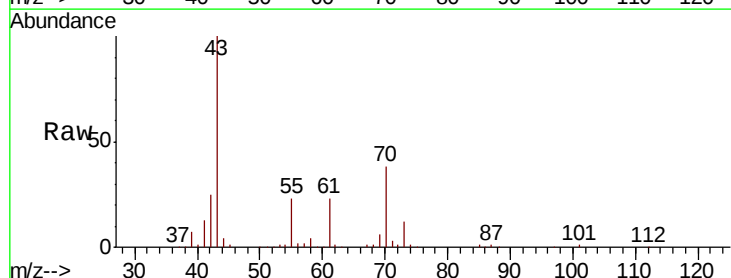
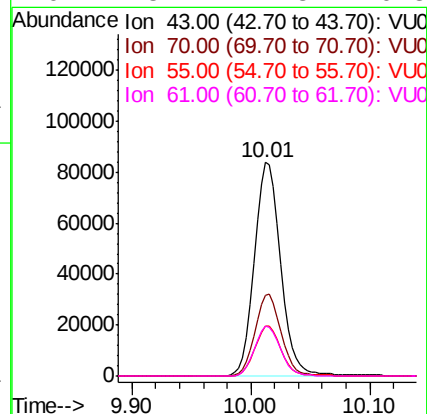
Ion Ratio Lower Upper

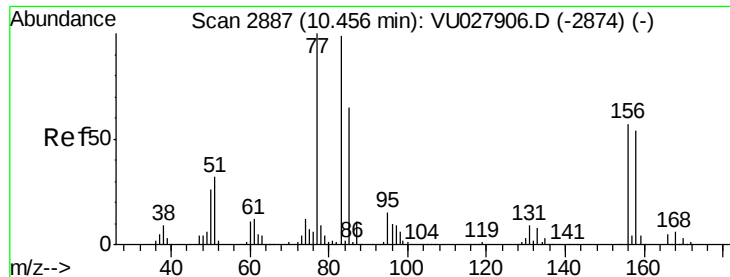
43 100

70 38.2 29.2 43.8

55 23.4 17.8 26.6

61 23.2 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.305 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBSD01

Tot Ion: 83 Resp: 85827

Ion Ratio Lower Upper

83 100

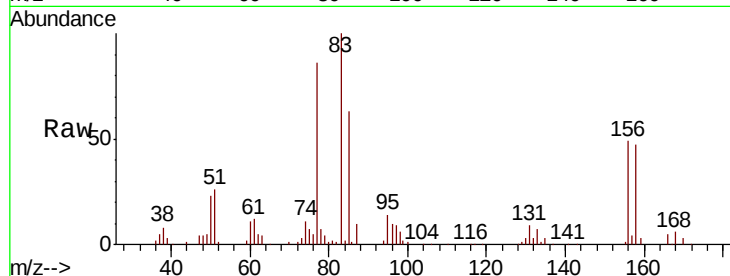
131 8.5 4.3 13.1

85 63.7 32.4 97.2

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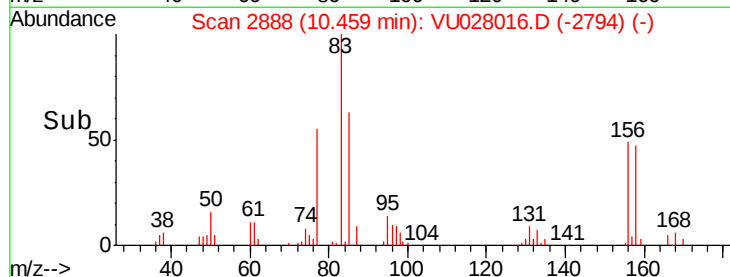


Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-2874) (-)

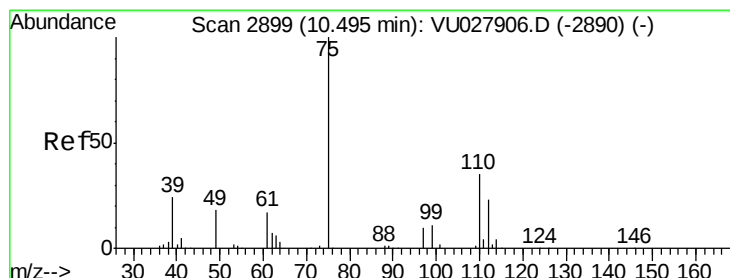
Ion 130.80 (130.50 to 131.50): VU027906.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-2874) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 21.780 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028016.D

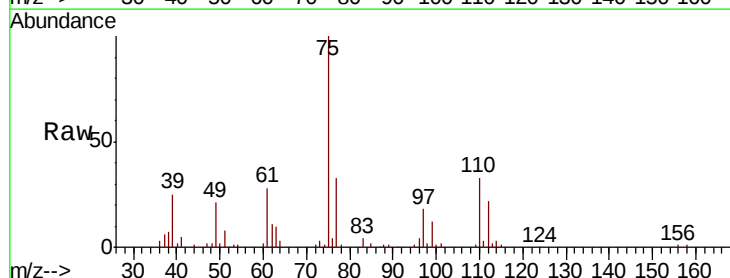
Acq: 08 Nov 2018 11:22

Tgt Ion: 75 Resp: 84756

Ion Ratio Lower Upper

75 100

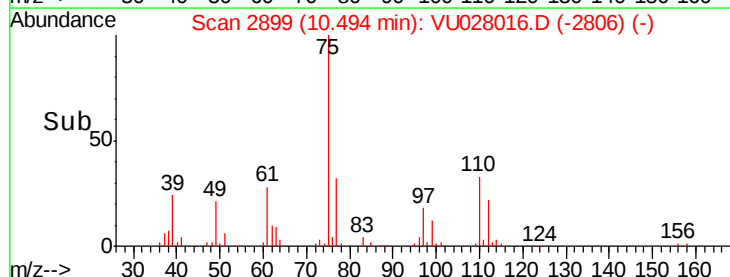
77 38.3 21.6 64.6



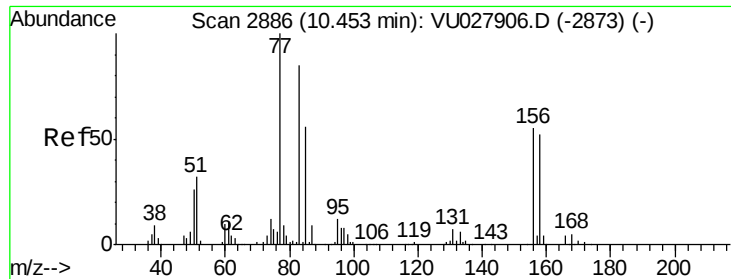
Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027906.D (-2890) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 19.519 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

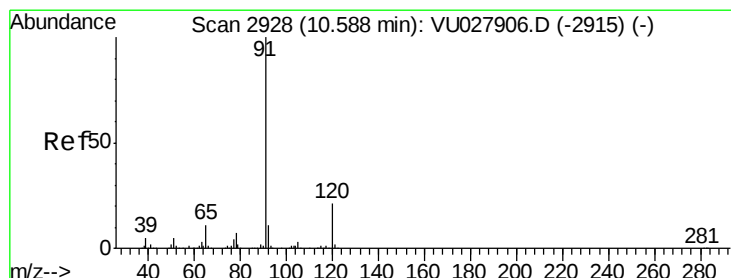
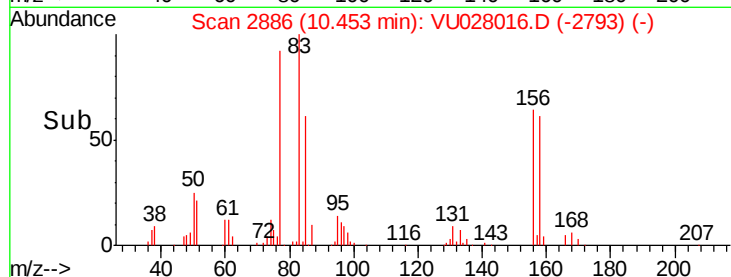
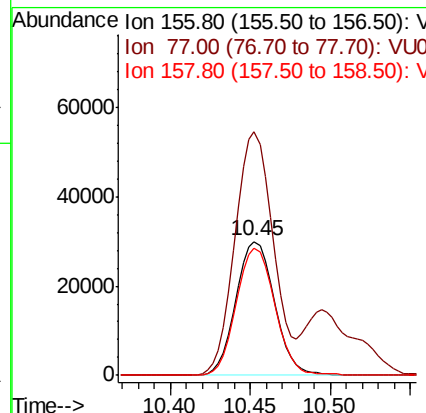
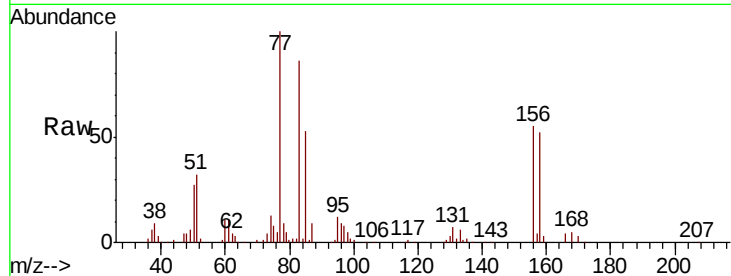
ClientSampleId :

VU1108WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	181.3	91.8	275.6	
158	95.0	48.4	145.2	

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#78

n-propylbenzene

Concen: 19.384 ug/l

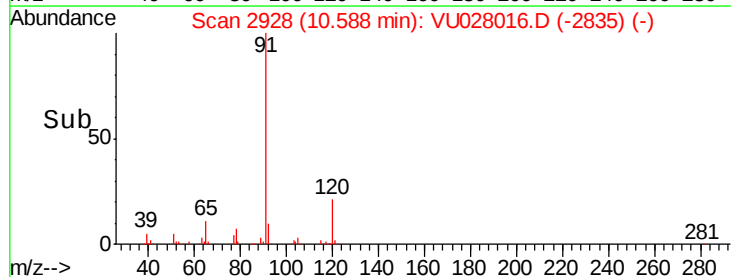
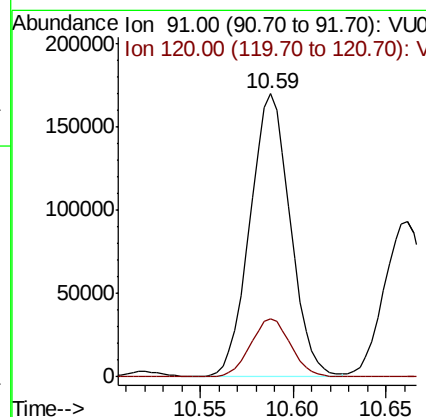
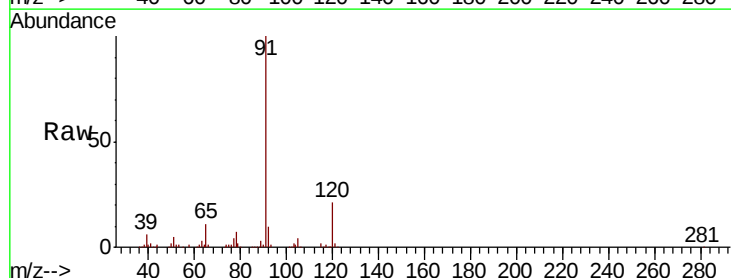
RT: 10.59 min Scan# 2928

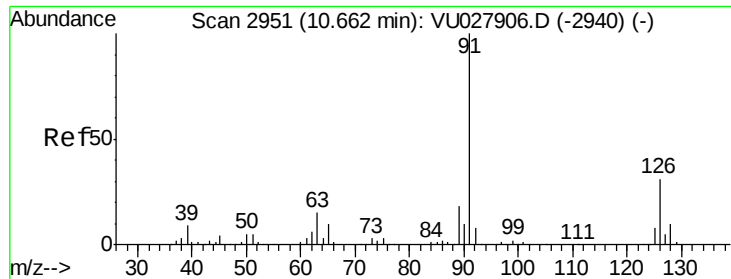
Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.5	10.6	31.8	





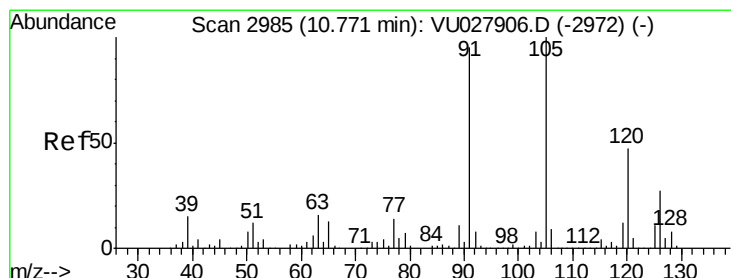
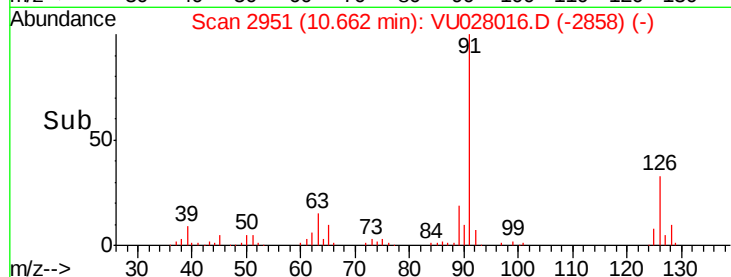
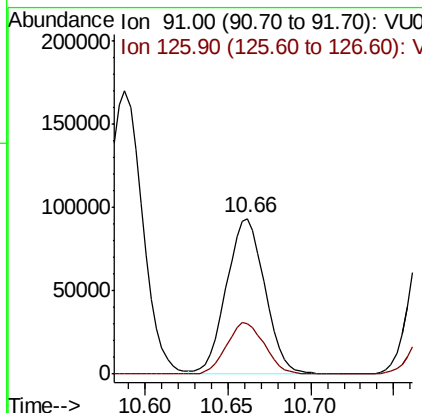
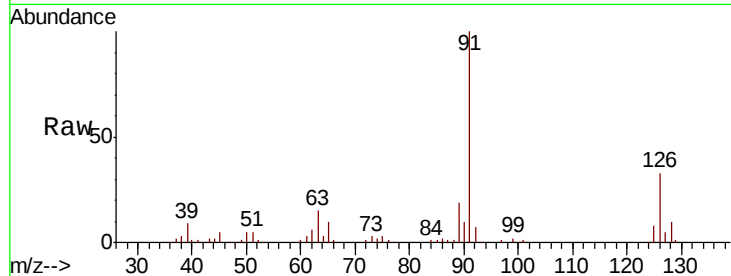
#79
 2-Chlorotoluene
 Concen: 18.866 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Instrument :
 MSVOA_U
 ClientSampled :
 VU1108WBSD01

Tot Ion: 91 Resp: 149186
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.0 47.9

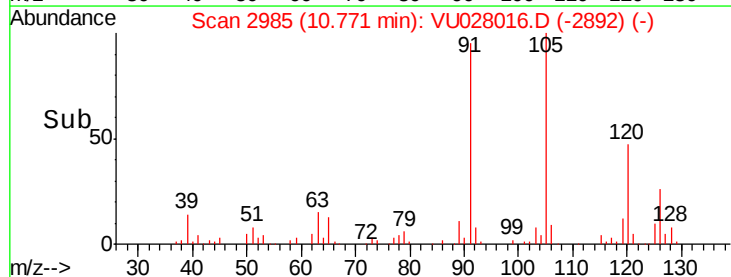
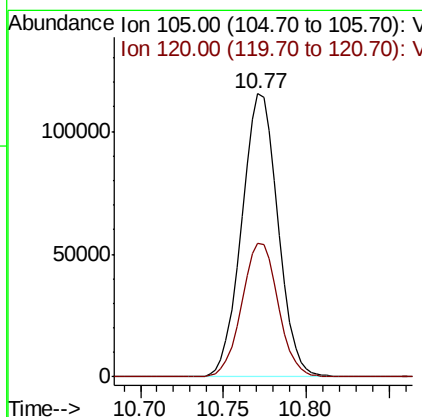
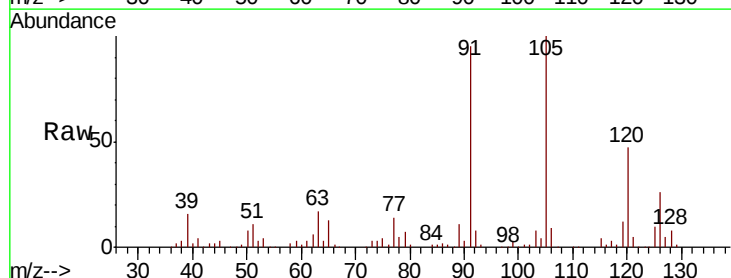
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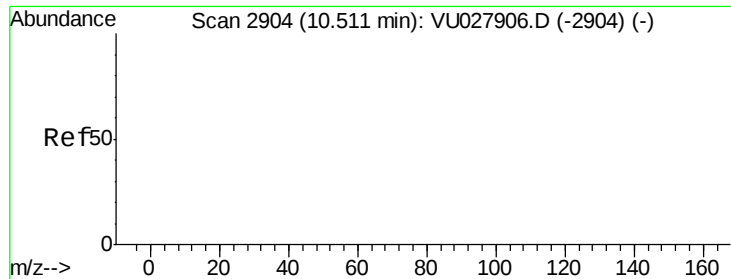
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.203 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Tgt Ion: 105 Resp: 175324
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.931 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

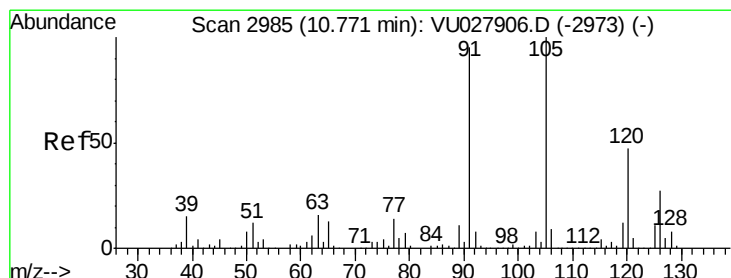
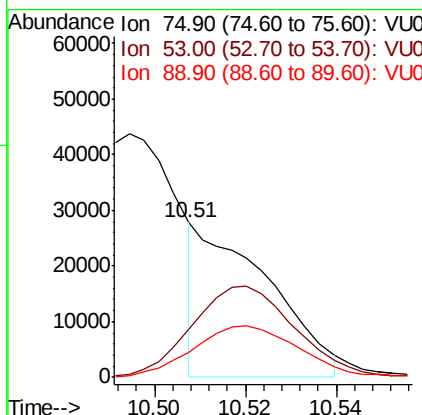
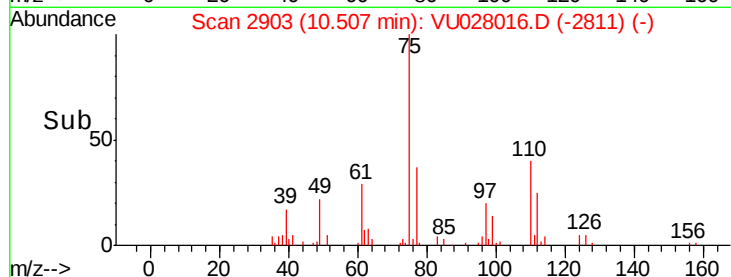
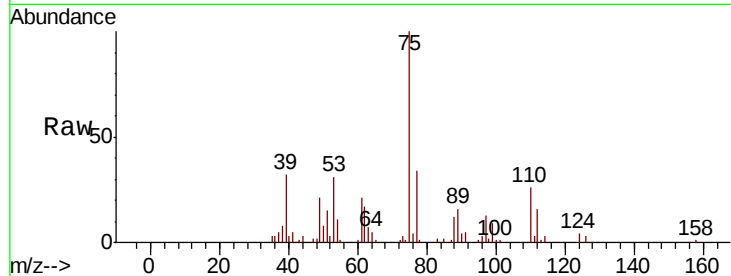
Instrument :
MSVOA_U

ClientSampleId :
VU1108WBSD01

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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#82

4-Chlorotoluene

Concen: 18.821 ug/l

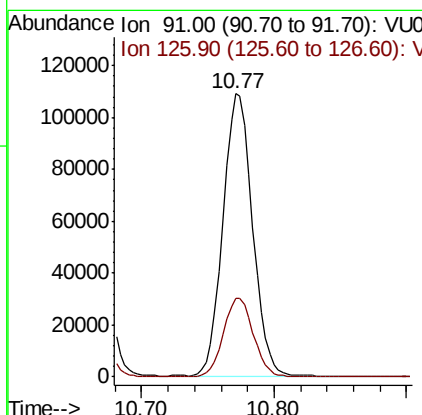
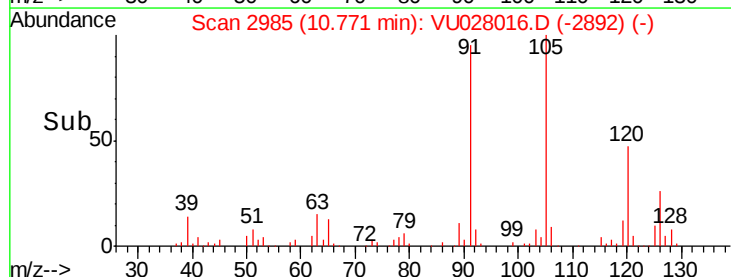
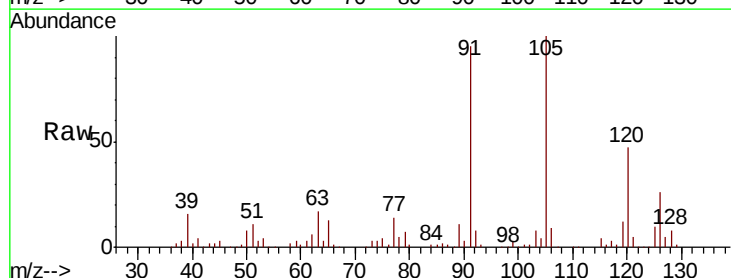
RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6





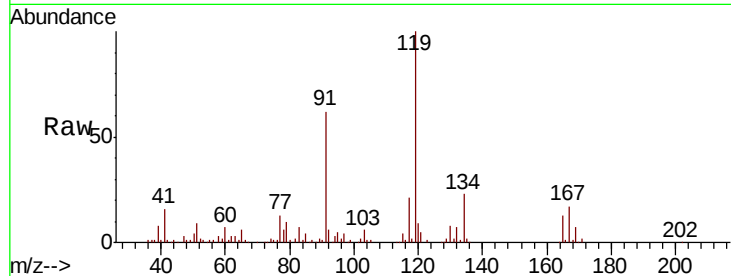
#83
tert-Butylbenzene
Concen: 19.060 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

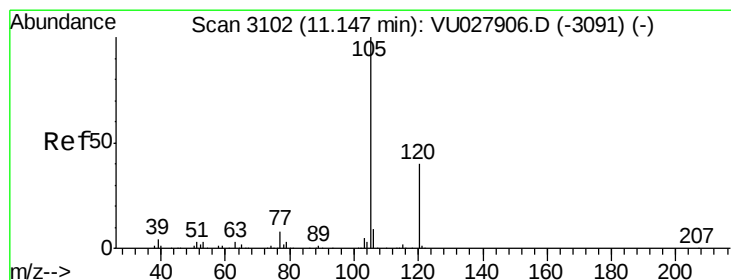
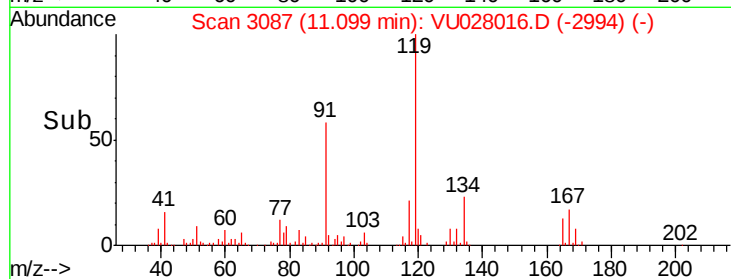
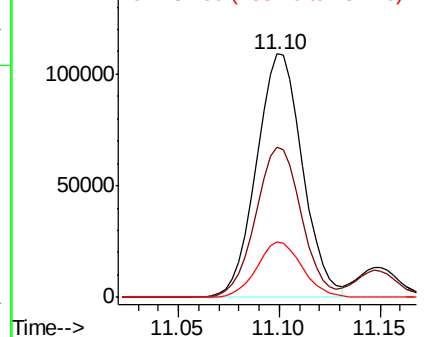
Tot Ion	Ratio	Resp	Lower	Upper
119	100	173975		
91	61.3	29.8	89.3	
134	22.4	11.1	33.1	

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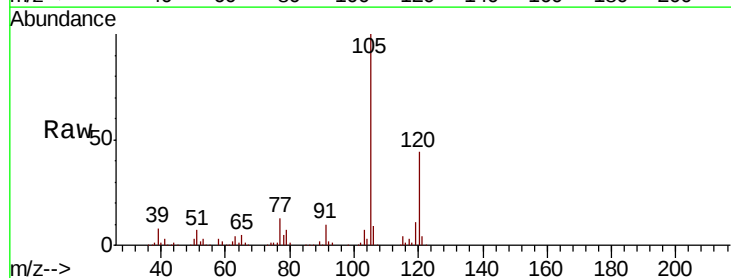


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

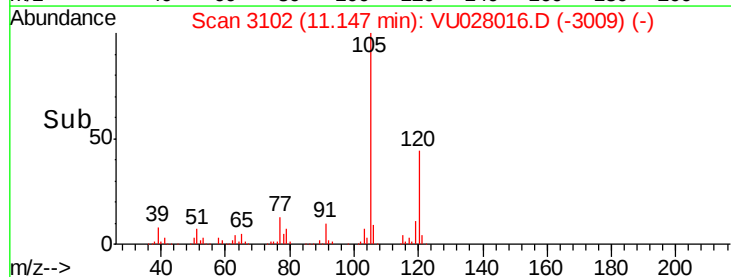
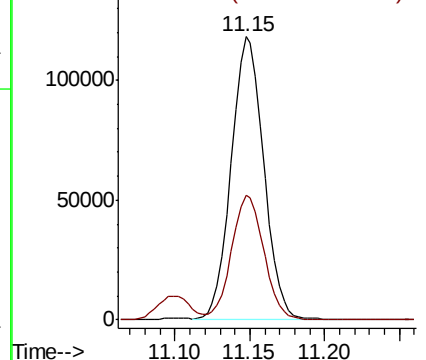


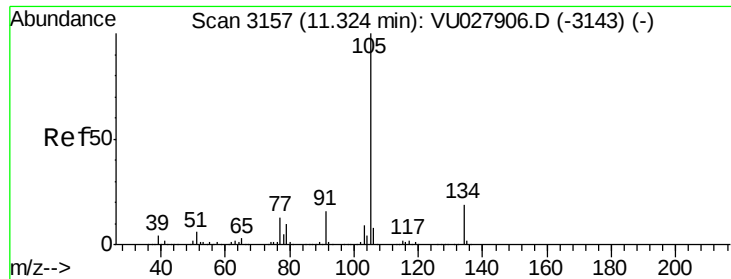
#84
1,2,4-Trimethylbenzene
Concen: 19.401 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	178367		
120	44.3	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: 19.622 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBSD01

Tot Ion:105 Resp: 217818

Ion Ratio Lower Upper

105 100

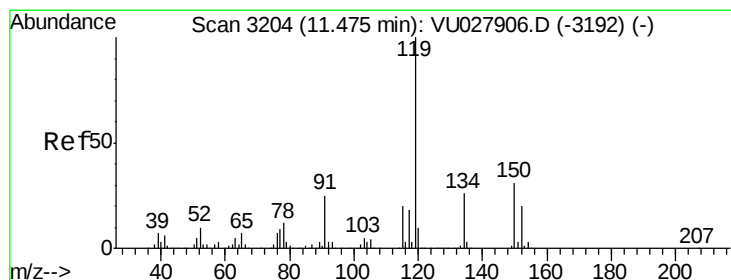
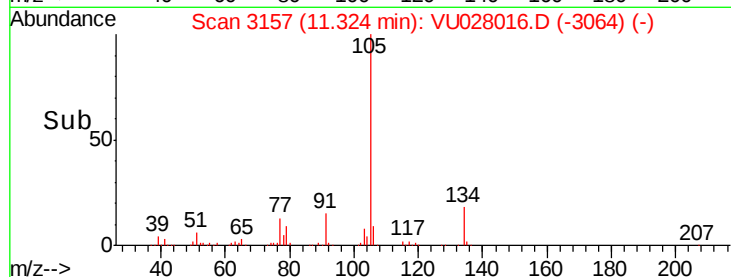
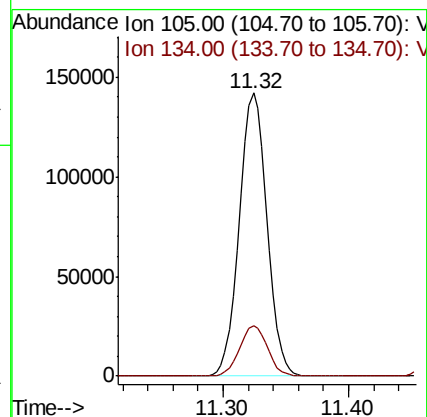
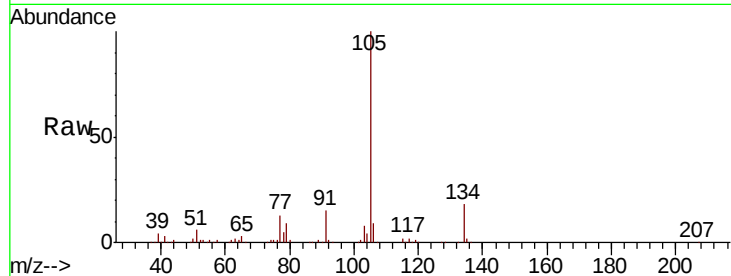
134 17.8 9.2 27.6

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#86

p-Isopropyltoluene

Concen: 19.392 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

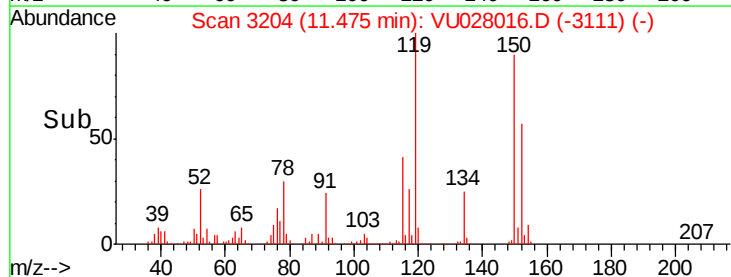
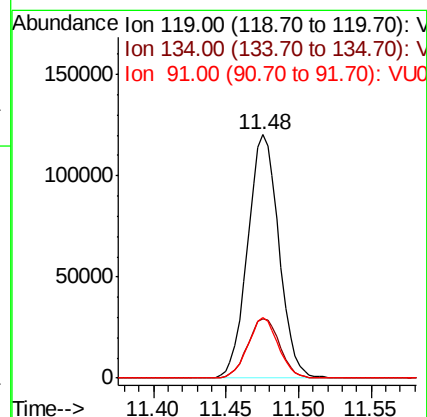
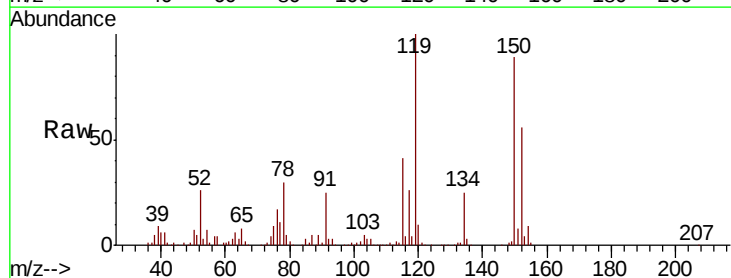
Tgt Ion:119 Resp: 179949

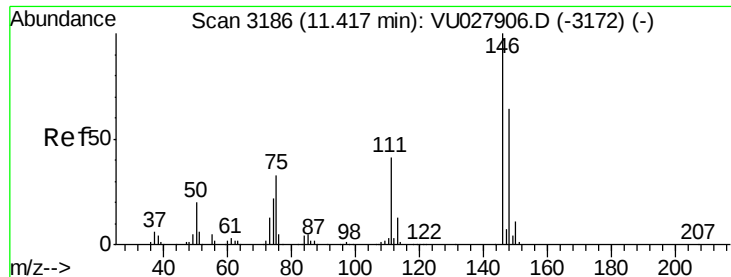
Ion Ratio Lower Upper

119 100

134 25.1 12.9 38.7

91 24.2 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 18.922 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

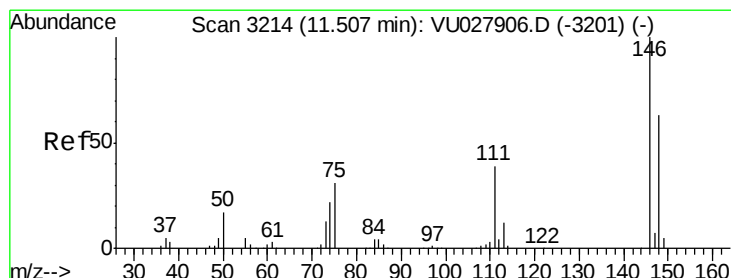
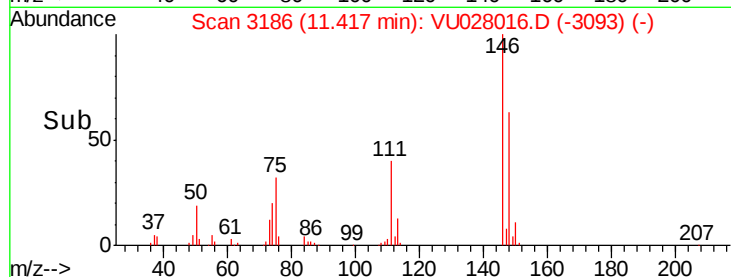
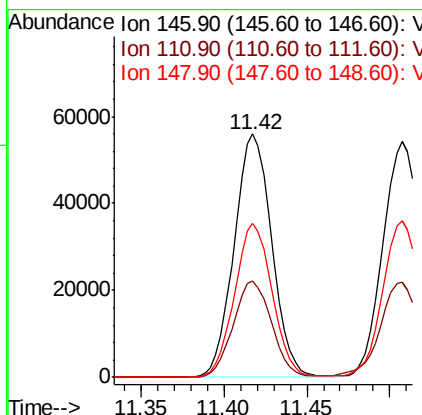
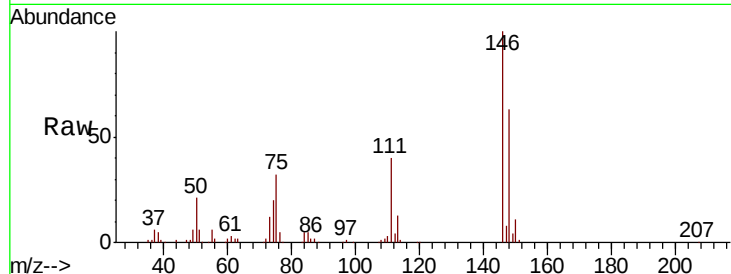
ClientSampled :

VU1108WBSD01

Tot Ion:	146	Resp:	88337
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.3	61.0
148	63.0	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 18.409 ug/l

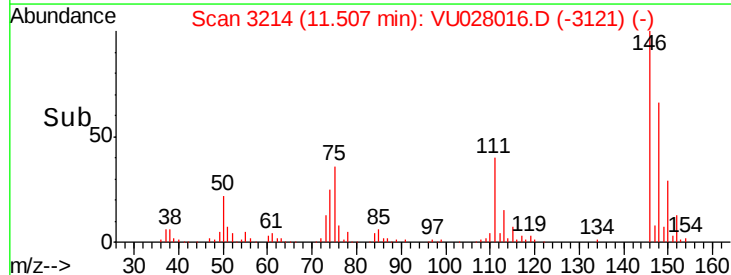
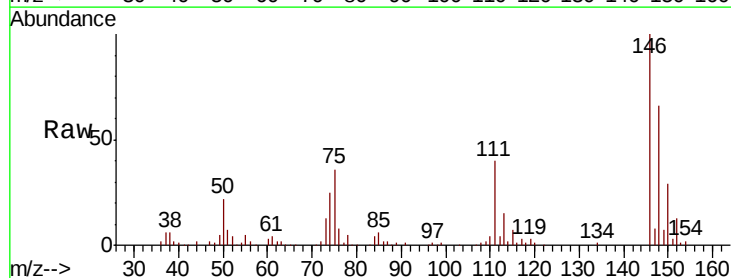
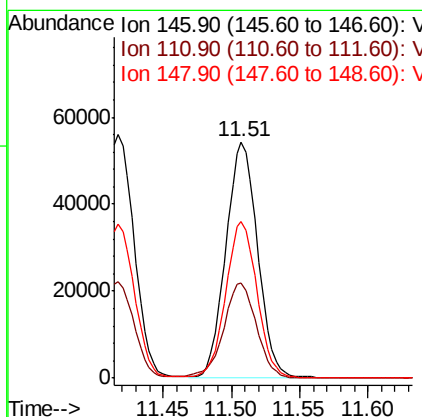
RT: 11.51 min Scan# 3214

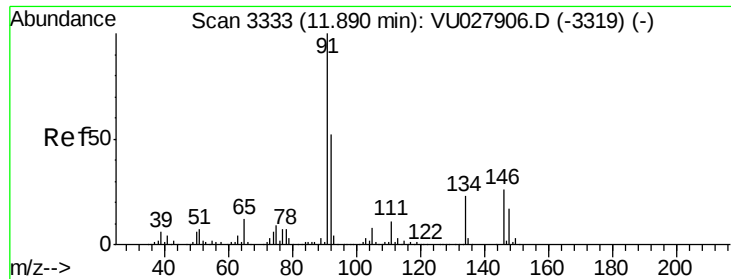
Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Tgt Ion:	146	Resp:	88090
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.3	60.9
148	65.7	32.0	96.2





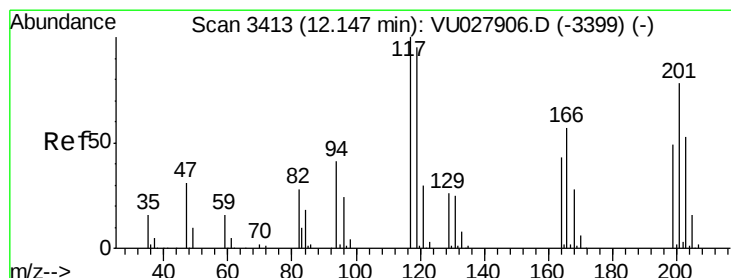
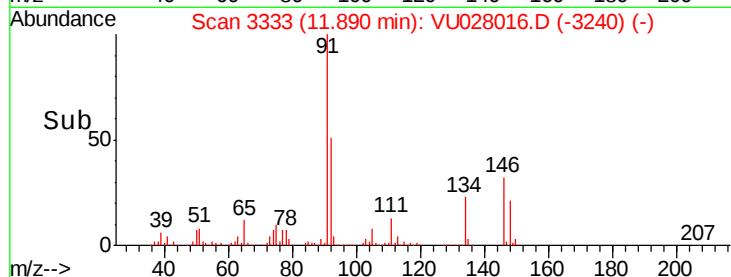
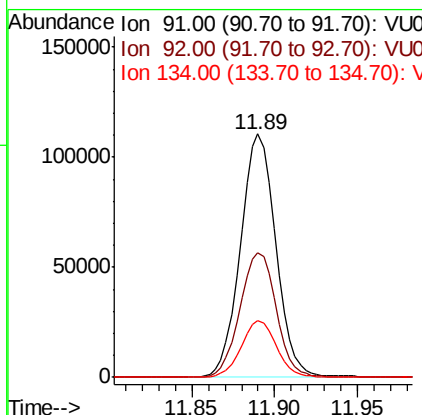
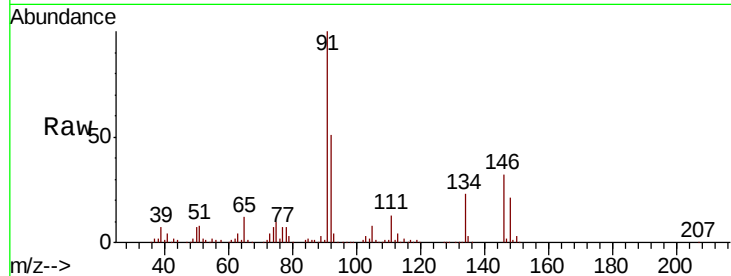
#89
n-Butylbenzene
Concen: 18.661 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	23.3	11.5	34.5

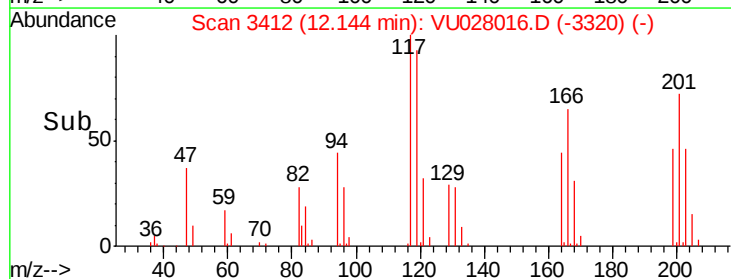
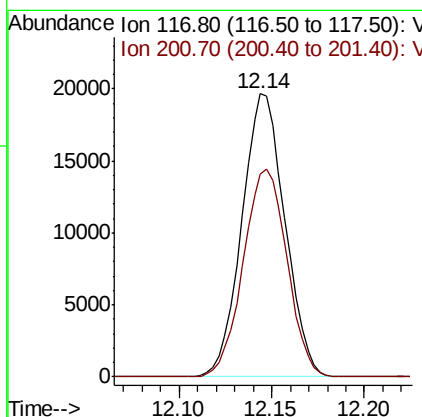
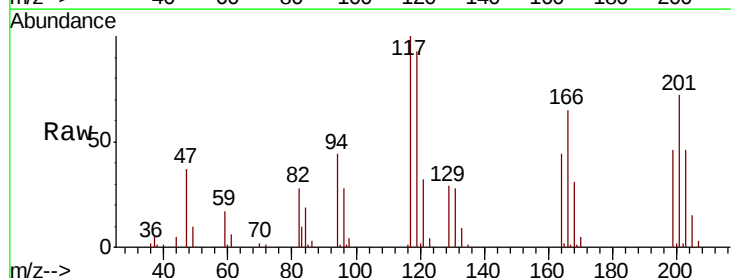
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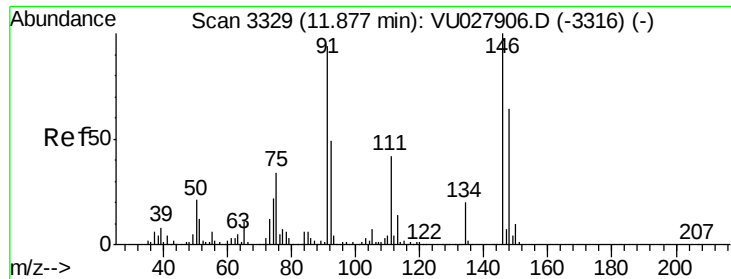
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#90
Hexachloroethane
Concen: 19.153 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.6	38.5	115.5





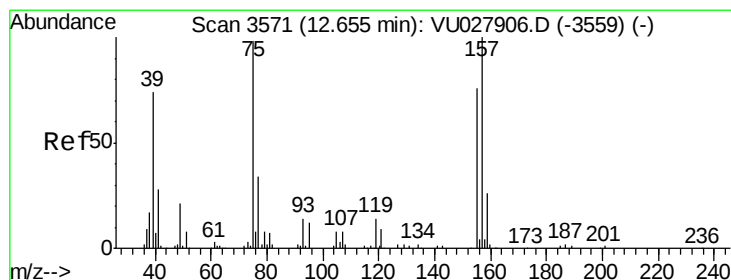
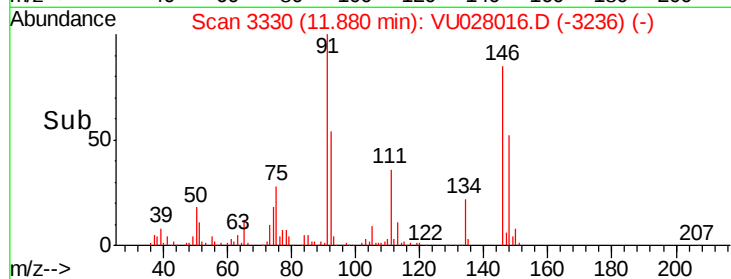
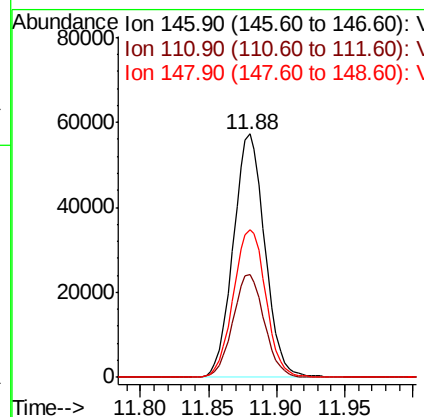
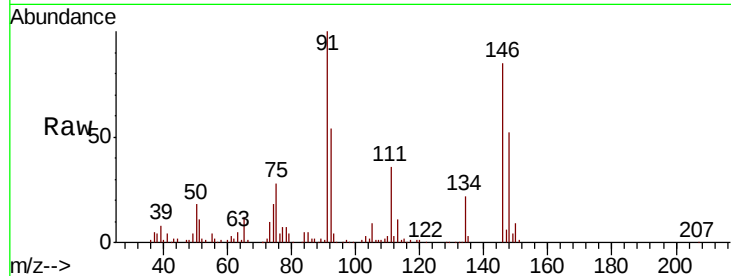
#91
1,2-Dichlorobenzene
Concen: 19.603 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	64.0
148	62.4	31.8	95.3

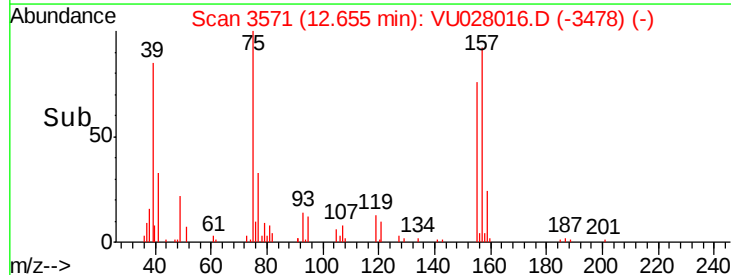
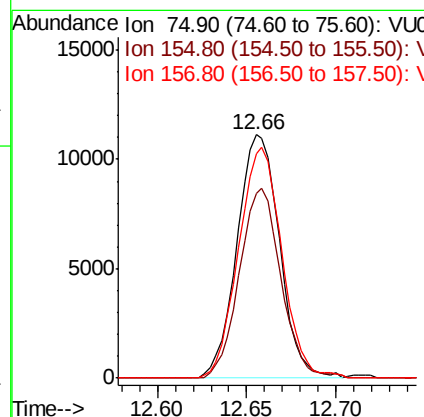
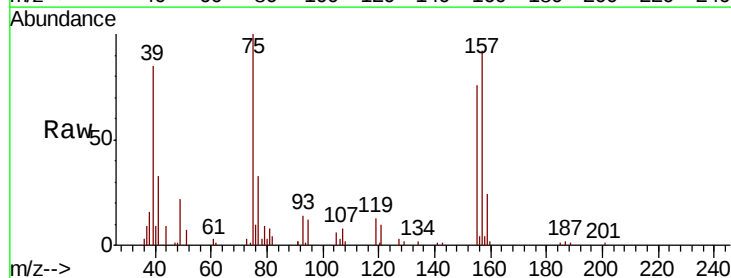
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#92
1,2-Dibromo-3-Chloropropane
Concen: 19.704 ug/l
RT: 12.66 min Scan# 3571
Delta R.T. -0.00 min
Lab File: VU028016.D
Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.1	39.8	119.3
157	96.2	50.6	151.9





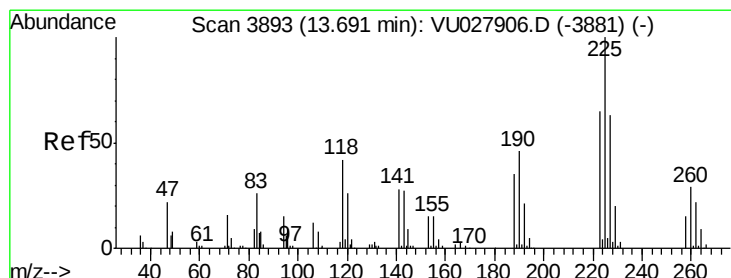
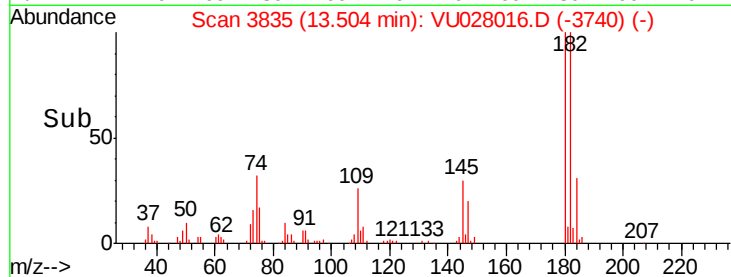
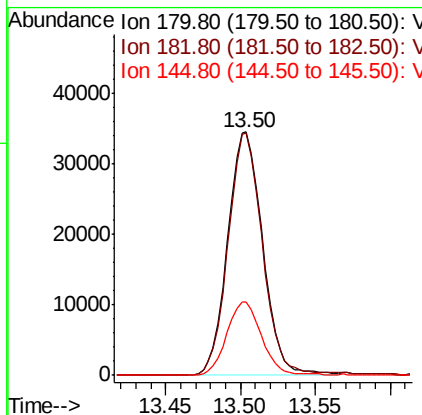
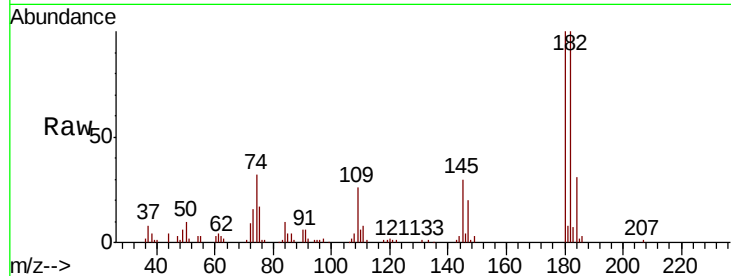
#93
 1,2,4-Trichlorobenzene
 Concen: 17.576 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	48.4	145.2
145	29.9	14.9	44.5

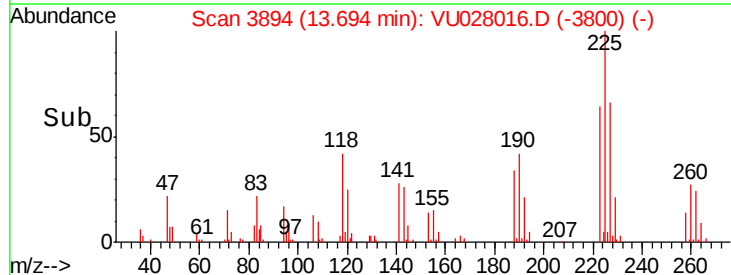
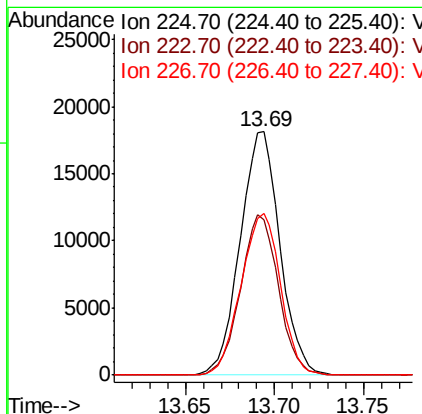
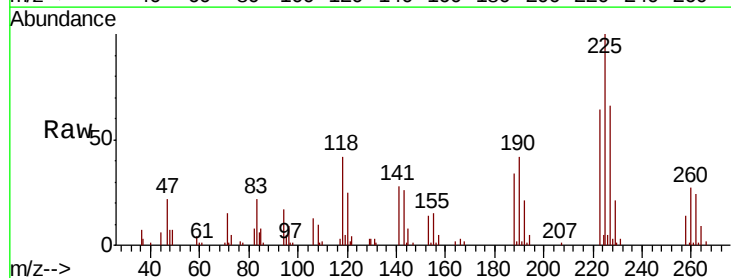
Manual Integrations
 APPROVED

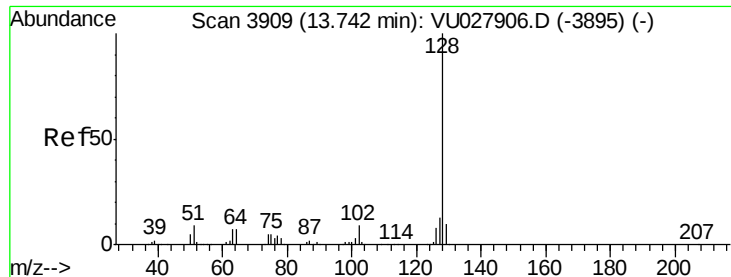
MMDadoda
 11/9/2018 12:03:09 PM



#94
 Hexachlorobutadiene
 Concen: 18.884 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU028016.D
 Acq: 08 Nov 2018 11:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.2	96.6
227	65.8	32.5	97.4





#95

Naphthalene

Concen: 17.824 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Instrument :

MSVOA_U

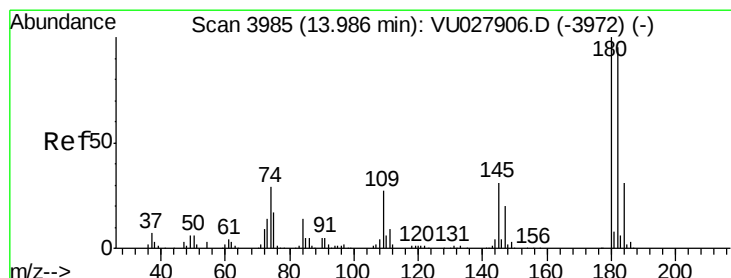
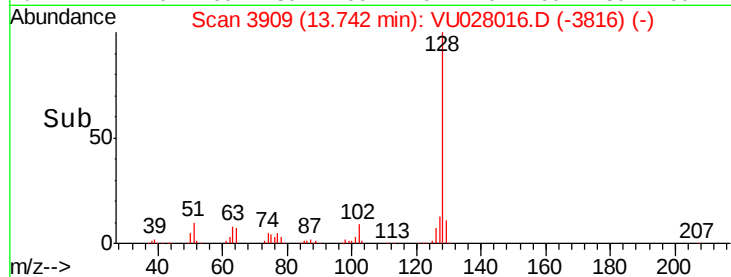
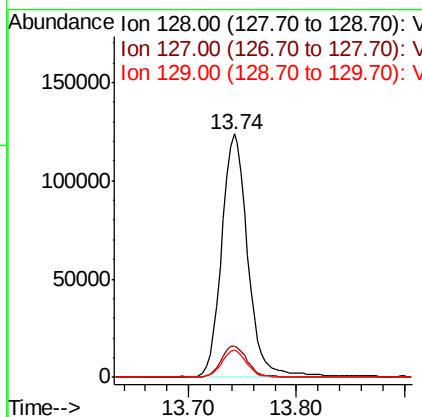
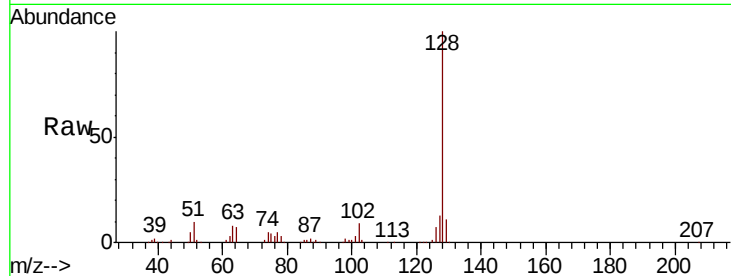
ClientSampleId :

VU1108WBSD01

Tot Ion:	128	Resp:	209365
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.3	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/9/2018 12:03:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.162 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028016.D

Acq: 08 Nov 2018 11:22

Tgt Ion:	180	Resp:	60369
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.4	142.3
145	32.0	16.0	47.9

