

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028496.D
 Acq On : 06 Dec 2018 12:56
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:35:01 AM

Quant Time: Dec 07 00:26:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	108244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	191022	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	181808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	92706	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	168740	102.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	204.30%	
35) Dibromofluoromethane	4.88	113	124172	103.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	206.58%	
50) Toluene-d8	7.57	98	498967	104.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	209.86%	
62) 4-Bromofluorobenzene	10.30	95	186086	104.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	209.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	146006	100.634	ug/l	99
3) Chloromethane	1.33	50	259397	97.248	ug/l	99
4) Vinyl Chloride	1.40	62	193543	100.544	ug/l	99
5) Bromomethane	1.61	94	67231	86.703	ug/l	97
6) Chloroethane	1.69	64	109440	100.425	ug/l	99
7) Trichlorofluoromethane	1.88	101	200835	99.165	ug/l	98
8) Diethyl Ether	2.10	74	91118	96.163	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	119687	98.813	ug/l	98
10) Methyl Iodide	2.41	142	101191	106.471	ug/l	98
11) Tert butyl alcohol	2.83	59	176165	478.669	ug/l	100
12) 1,1-Dichloroethene	2.28	96	119427	99.096	ug/l	98
13) Acrolein	2.19	56	147079	501.307	ug/l	100
14) Allyl chloride	2.59	41	270323	94.816	ug/l	98
15) Acrylonitrile	2.94	53	510615	499.736	ug/l	100
16) Acetone	2.32	43	477560	443.037	ug/l	99
17) Carbon Disulfide	2.48	76	419968	96.730	ug/l	100
18) Methyl Acetate	2.61	43	280222	100.285	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	452618	99.070	ug/l	99
20) Methylene Chloride	2.70	84	149443	94.047	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	133750	98.569	ug/l	97
22) Diisopropyl ether	3.57	45	554911	100.087	ug/l	97
23) Vinyl Acetate	3.52	43	2345915	512.973	ug/l	100
24) 1,1-Dichloroethane	3.45	63	282584	97.368	ug/l	99
25) 2-Butanone	4.26	43	729066	494.923	ug/l	100
26) 2,2-Dichloropropane	4.23	77	224950	97.822	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	151712	98.782	ug/l	100
28) Bromochloromethane	4.55	49	129153	97.892	ug/l	100
29) Tetrahydrofuran	4.64	42	476132	503.270	ug/l	99
30) Chloroform	4.67	83	251504	99.430	ug/l	97
31) Cyclohexane	4.99	56	280948	82.523	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	208808	99.395	ug/l	99
36) 1,1-Dichloropropene	5.13	75	202792	97.015	ug/l	99
37) Ethyl Acetate	4.38	43	271854	100.606	ug/l	99
38) Carbon Tetrachloride	5.13	117	166287	98.698	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	251252	98.524	ug/l	99
40) Benzene	5.39	78	605423	98.339	ug/l	99
41) Methacrylonitrile	4.54	41	154344	104.298	ug/l	97
42) 1,2-Dichloroethane	5.40	62	211625	98.202	ug/l	99
43) Isopropyl Acetate	5.55	43	432544	101.203	ug/l	99
44) Trichloroethene	6.19	130	134463	98.228	ug/l	98
45) 1,2-Dichloropropane	6.43	63	172104	99.410	ug/l	97
46) Dibromomethane	6.56	93	101689	98.996	ug/l	98
47) Bromodichloromethane	6.76	83	197740	98.926	ug/l	100
48) Methyl methacrylate	6.62	41	219048	103.058	ug/l	99
49) 1,4-Dioxane	6.61	88	63705	1898.201	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1359773	504.427	ug/l	100
52) Toluene	7.64	92	367521	101.435	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	245514	103.130	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	261905	101.403	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	141586	98.857	ug/l	96
56) Ethyl methacrylate	8.02	69	256990	104.782	ug/l	100
57) 1,3-Dichloropropane	8.24	76	263848	99.241	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	664013	528.572	ug/l	100
59) 2-Hexanone	8.36	43	1072265	501.853	ug/l	99
60) Dibromochloromethane	8.48	129	139542	99.514	ug/l	100
61) 1,2-Dibromoethane	8.58	107	153845	102.432	ug/l	99
64) Tetrachloroethene	8.23	164	114781	94.649	ug/l	98
65) Chlorobenzene	9.12	112	380214	98.141	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	127520	103.076	ug/l	99
67) Ethyl Benzene	9.25	91	713457	100.178	ug/l	99
68) m/p-Xylenes	9.38	106	522893	201.774	ug/l	100
69) o-Xylene	9.78	106	252764	100.367	ug/l	100
70) Styrene	9.79	104	425927	102.196	ug/l	100
71) Bromoform	9.96	173	109756	104.289	ug/l #	99
73) Isopropylbenzene	10.17	105	671819	94.441	ug/l	100
74) N-amyl acetate	10.01	43	401962	97.959	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	263841	96.551	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	216152m	80.819	ug/l	
77) Bromobenzene	10.45	156	159103	95.632	ug/l	100
78) n-propylbenzene	10.59	91	852583	96.453	ug/l	99
79) 2-Chlorotoluene	10.66	91	485886	95.427	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	575929	97.806	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	105280m	79.594	ug/l	
82) 4-Chlorotoluene	10.77	91	577308	95.680	ug/l	100
83) tert-Butylbenzene	11.10	119	548084	96.567	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	591449	97.461	ug/l	100
85) sec-Butylbenzene	11.32	105	707603	97.046	ug/l	100
86) p-Isopropyltoluene	11.48	119	600722	96.988	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	298005	94.860	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	304485	93.680	ug/l	99
89) n-Butylbenzene	11.89	91	627958	100.178	ug/l	99
90) Hexachloroethane	12.14	117	95743	102.270	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	297155	94.563	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	60663	102.538	ug/l	99

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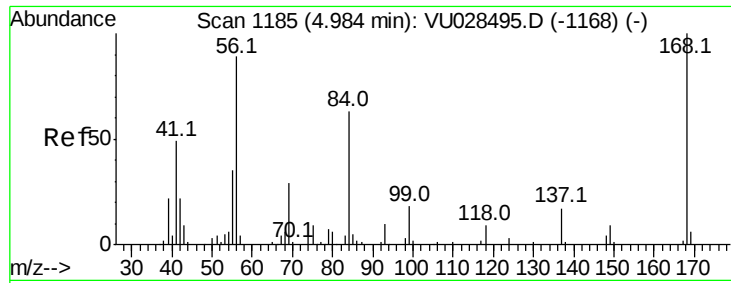
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	217053	96.343	ug/l	99
94) Hexachlorobutadiene	13.69	225	96201	93.459	ug/l	97
95) Naphthalene	13.74	128	737739	97.837	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	214517	94.644	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 108244

Ion Ratio Lower Upper

168 100

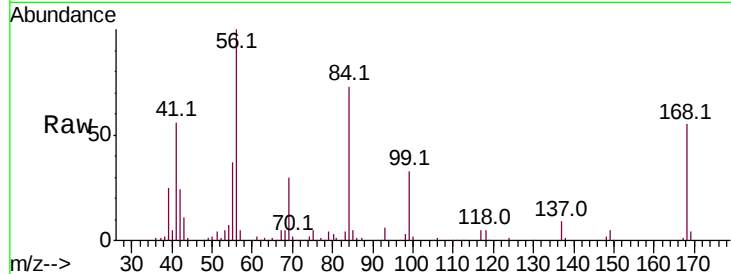
99 60.7 46.6 69.8

Manual Integrations

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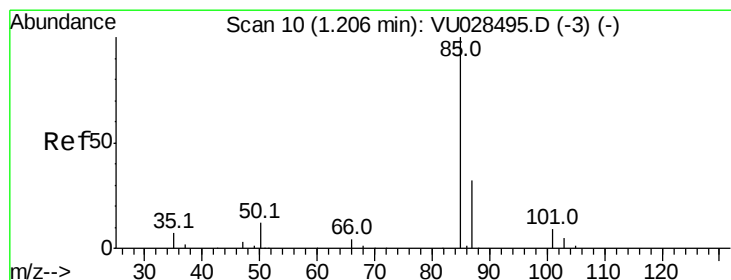
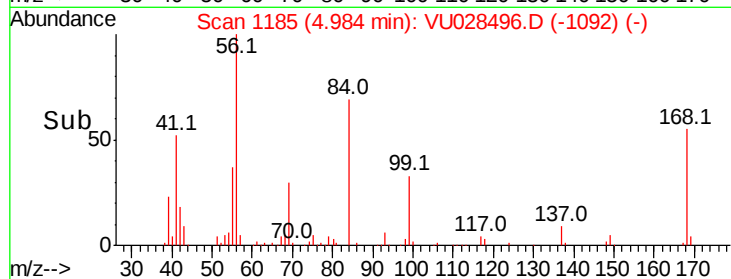
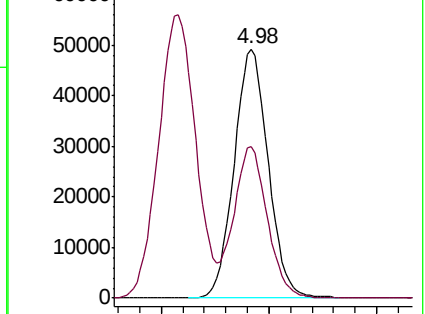
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Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 100.634 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028496.D

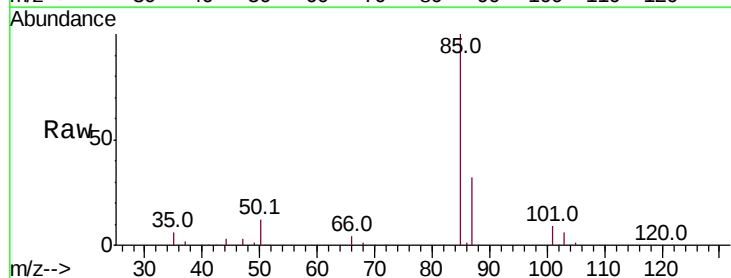
Acq: 06 Dec 2018 12:56

Tgt Ion: 85 Resp: 146006

Ion Ratio Lower Upper

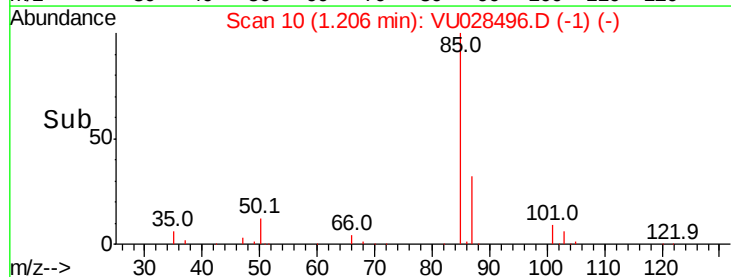
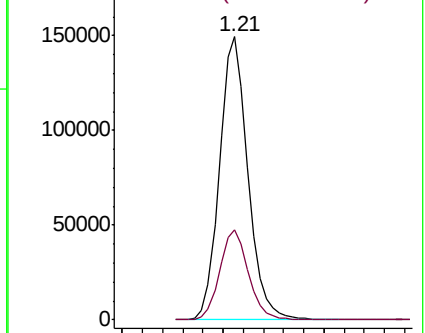
85 100

87 32.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)





#3

Chloromethane

Concen: 97.248 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 259397

Ion Ratio Lower Upper

50 100

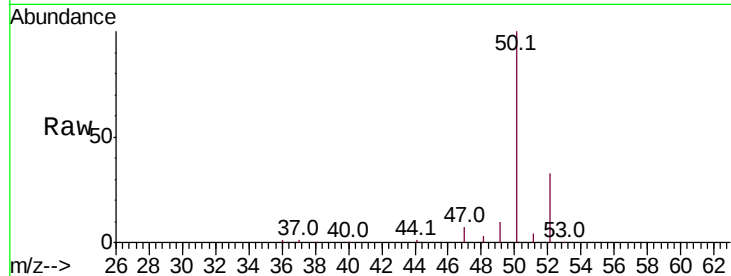
52 32.6 25.5 38.3

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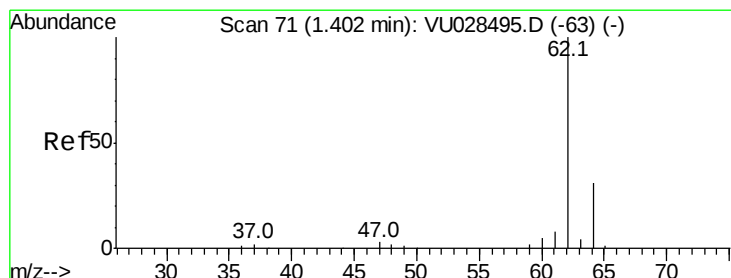
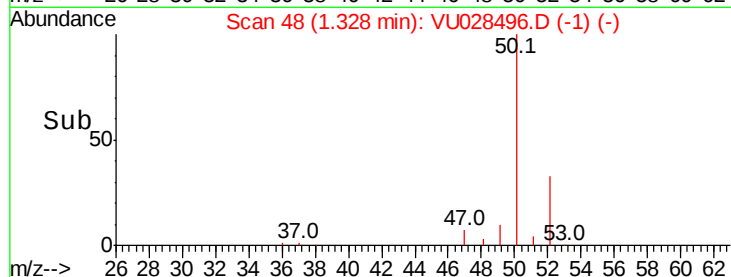
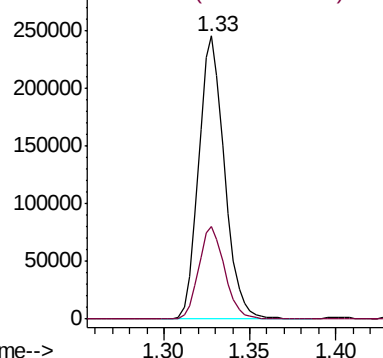
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 100.544 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028496.D

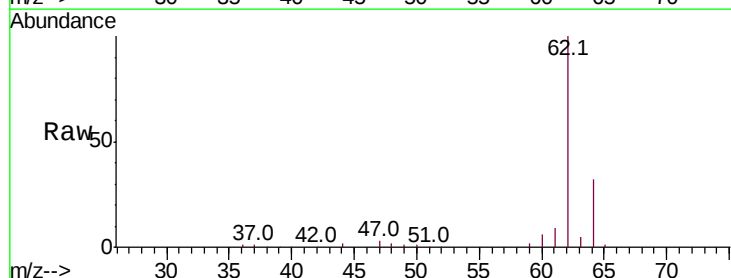
Acq: 06 Dec 2018 12:56

Tgt Ion: 62 Resp: 193543

Ion Ratio Lower Upper

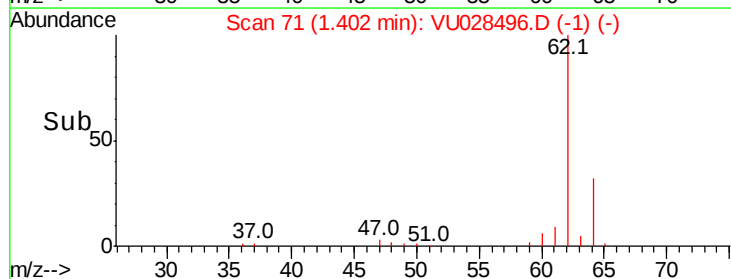
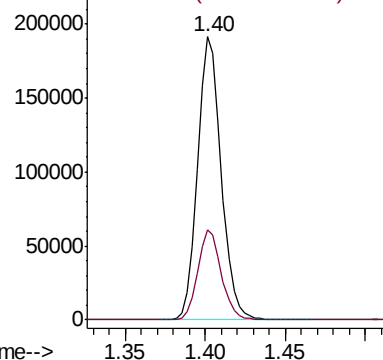
62 100

64 31.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





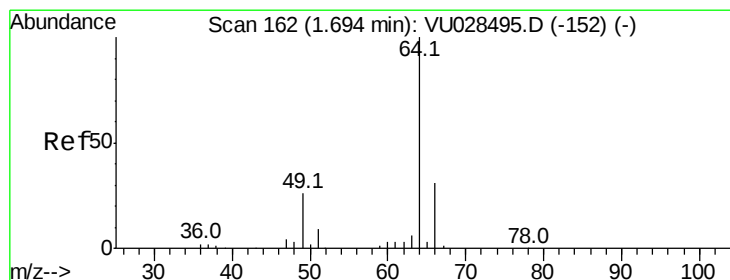
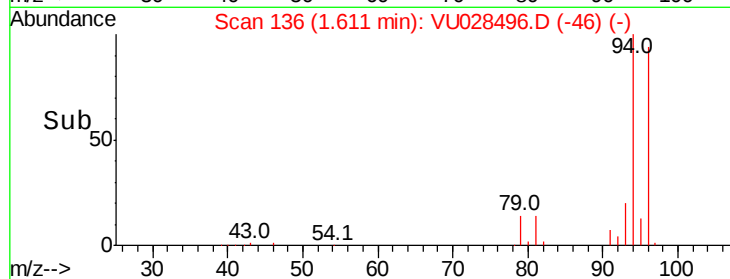
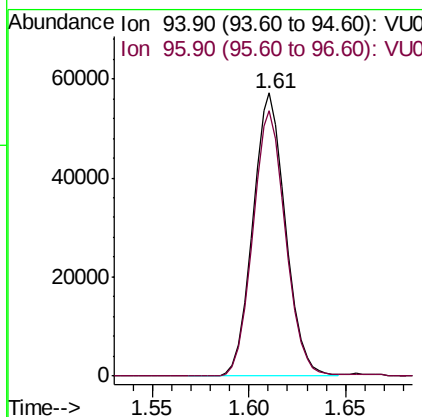
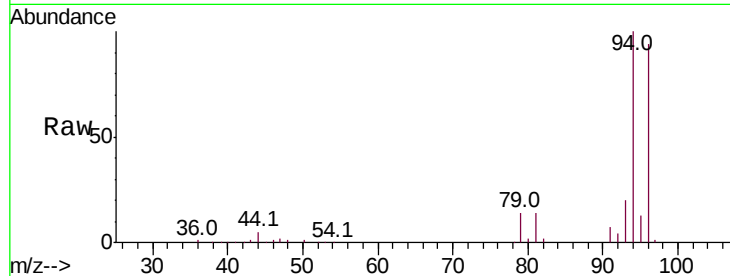
#5
Bromomethane
Concen: 86.703 ug/l
RT: 1.61 min Scan# 136
Delta R.T. -0.01 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 94 Resp: 67231
Ion Ratio Lower Upper
94 100
96 94.0 73.2 109.8

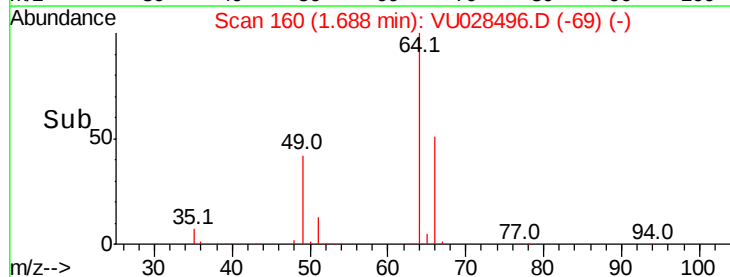
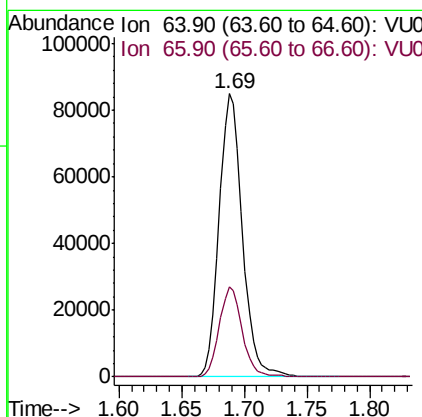
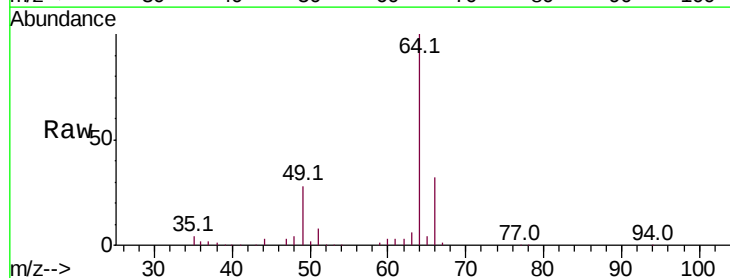
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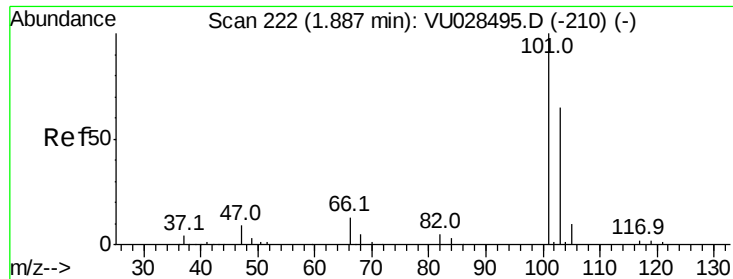
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#6
Chloroethane
Concen: 100.425 ug/l
RT: 1.69 min Scan# 160
Delta R.T. -0.01 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion: 64 Resp: 109440
Ion Ratio Lower Upper
64 100
66 31.6 25.0 37.6





#7

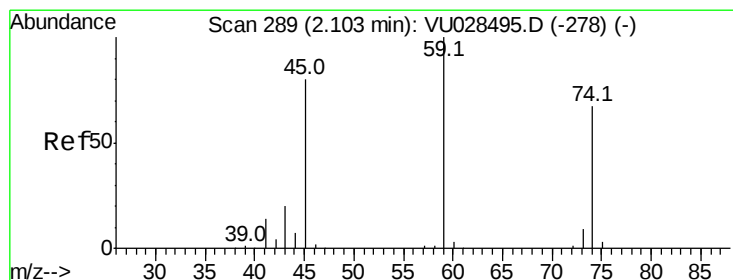
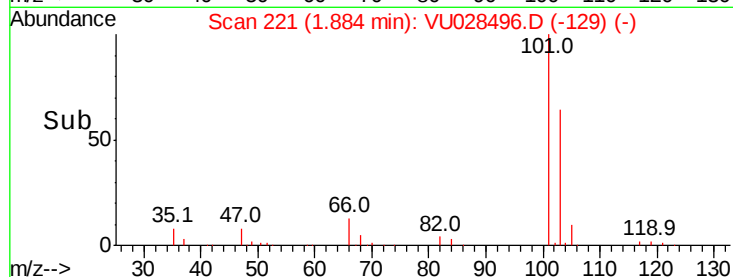
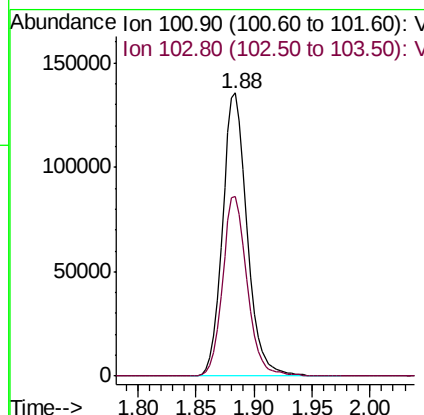
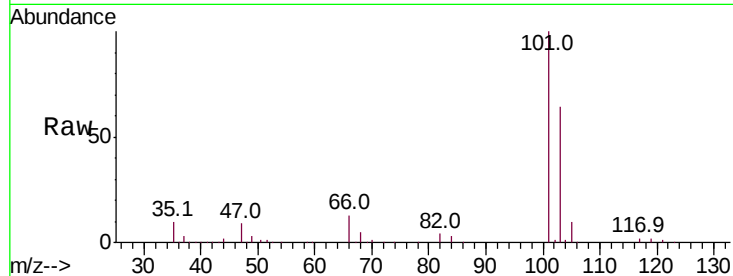
Trichlorofluoromethane
Concen: 99.165 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 200835
Ion Ratio Lower Upper
101 100
103 63.7 52.3 78.5

Manual Integrations
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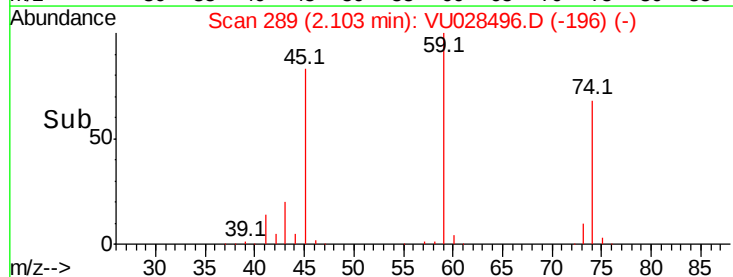
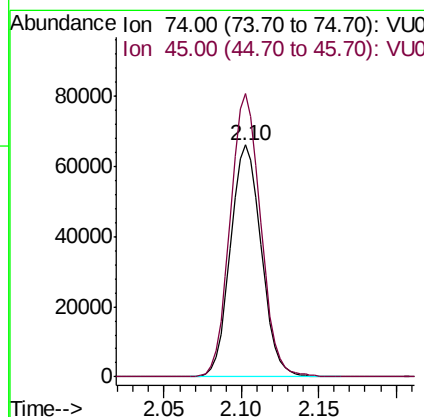
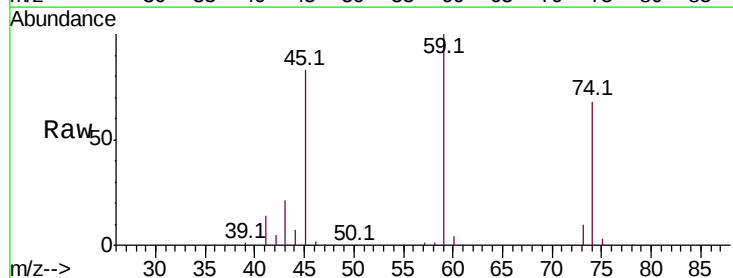
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12/7/2018 10:35:01 AM



#8

Diethyl Ether
Concen: 96.163 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion: 74 Resp: 91118
Ion Ratio Lower Upper
74 100
45 120.7 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.813 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

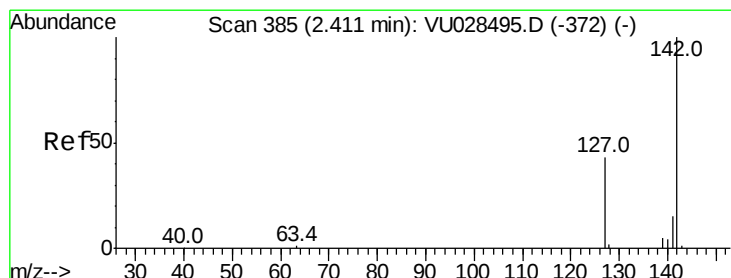
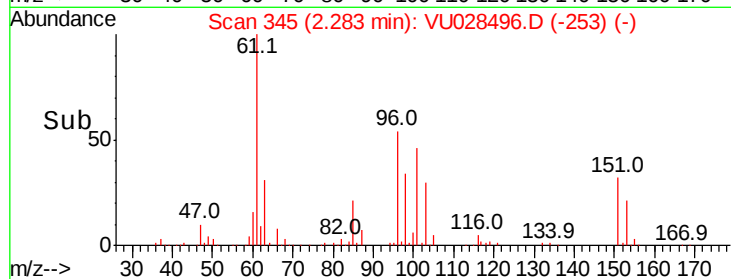
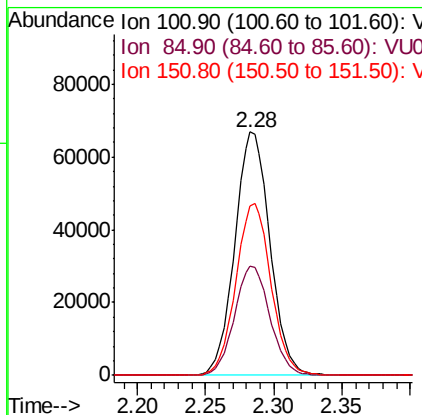
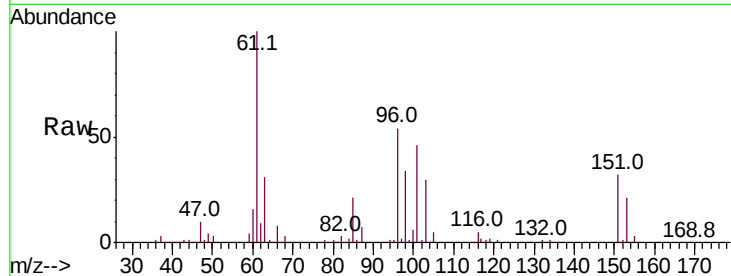
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	119687
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.4	54.6
151	70.5	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 106.471 ug/l

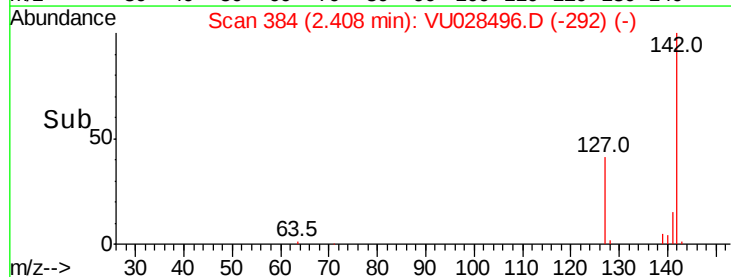
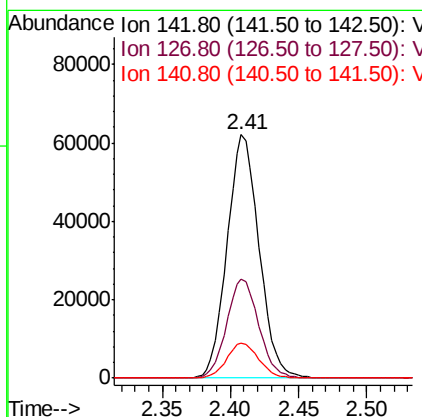
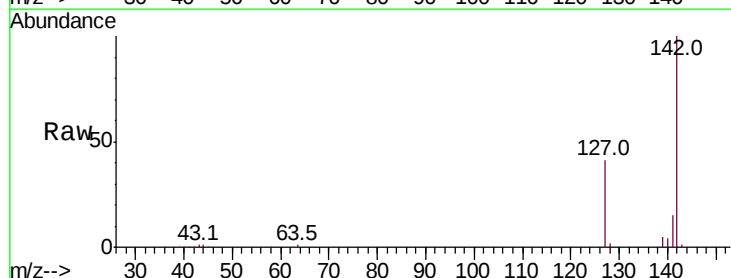
RT: 2.41 min Scan# 384

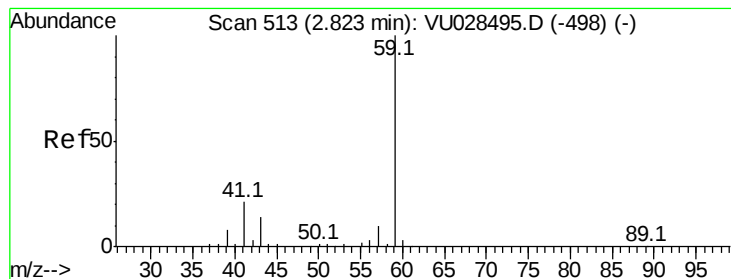
Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Tgt Ion:	142	Resp:	101191
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.5	50.3
141	14.5	11.2	16.8





#11

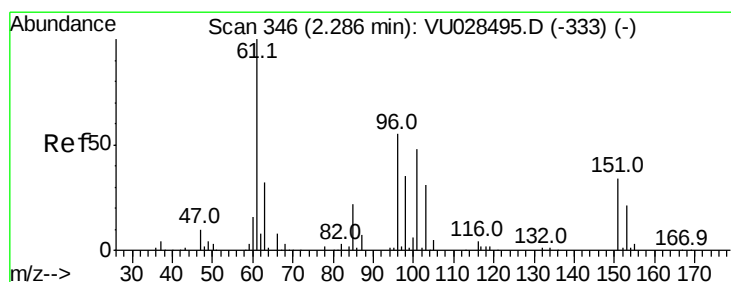
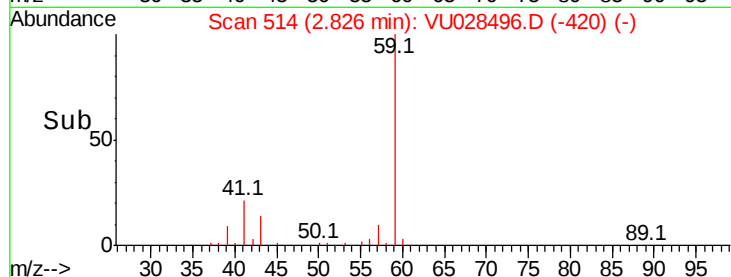
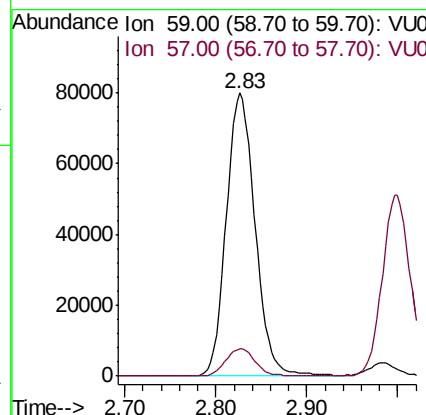
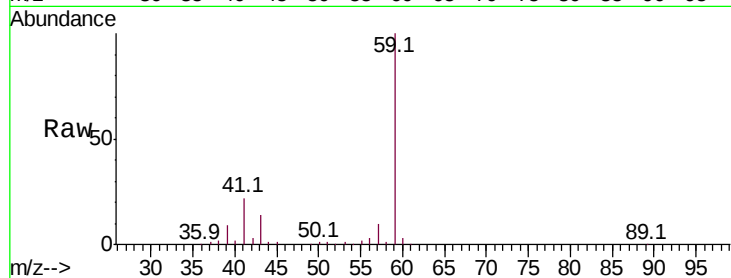
Tert butyl alcohol
Concen: 478.669 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	176165		
57	9.8		8.0	12.0

Manual Integrations
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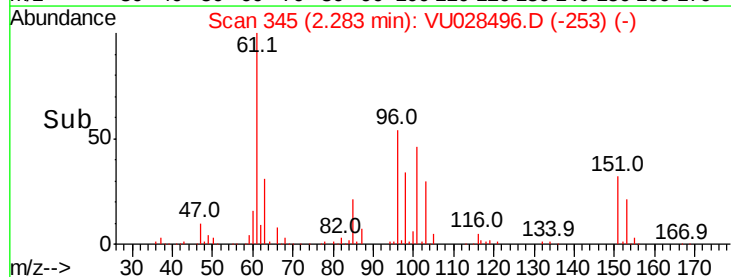
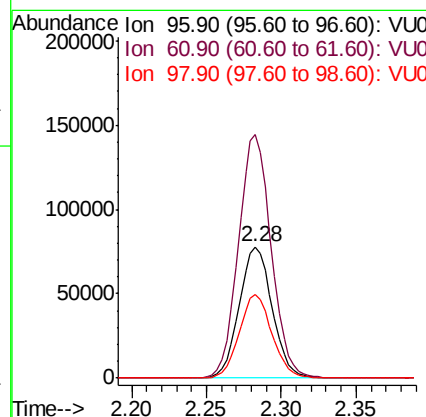
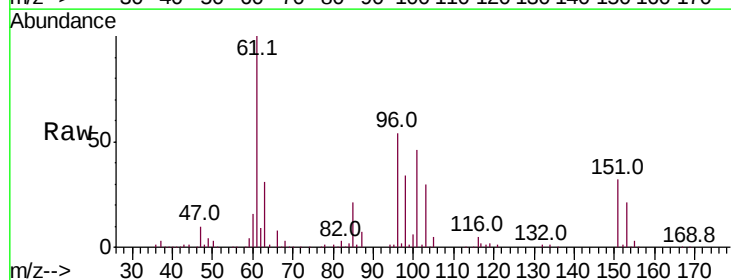
MMDadoda
12/7/2018 10:35:01 AM

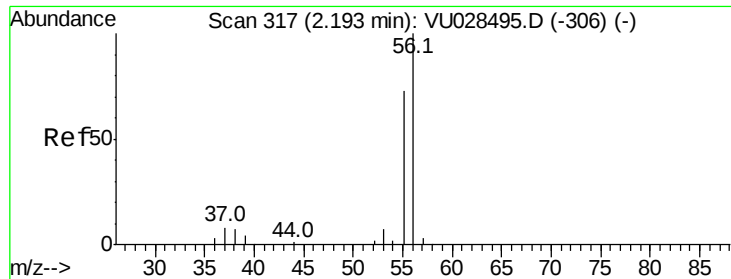


#12

1,1-Dichloroethene
Concen: 99.096 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	119427		
61	185.7		146.4	219.6
98	63.6		51.8	77.8





#13

Acrolein

Concen: 501.307 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 147079

Ion Ratio Lower Upper

56 100

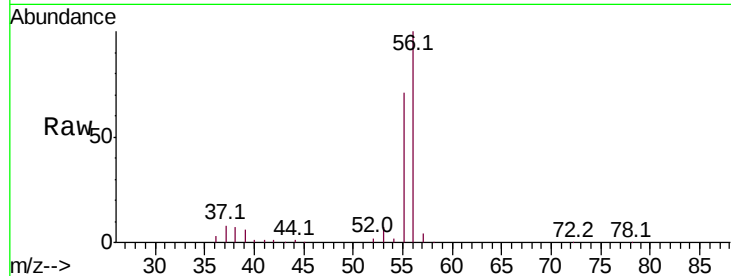
55 71.5 57.5 86.3

Manual Integrations

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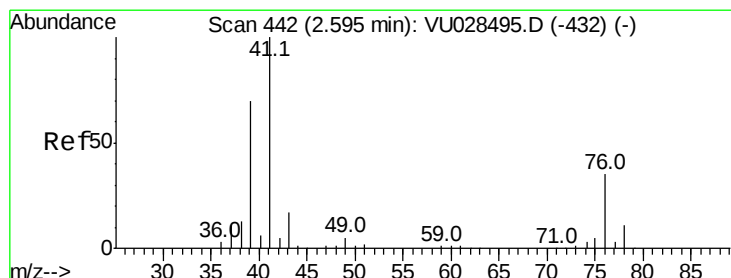
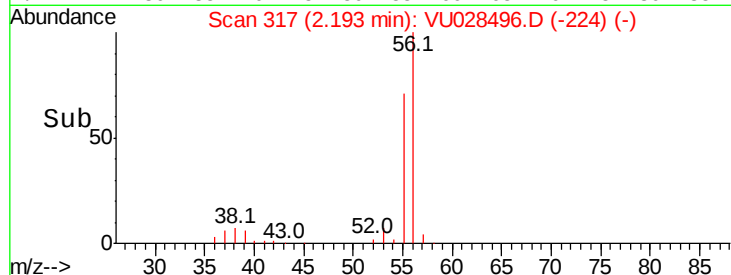
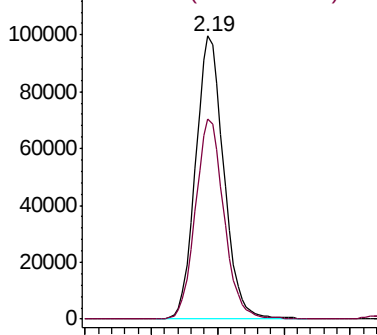
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12/7/2018 10:35:01 AM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 94.816 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

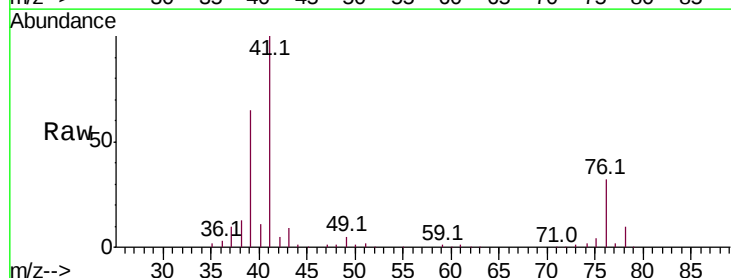
Tgt Ion: 41 Resp: 270323

Ion Ratio Lower Upper

41 100

39 65.3 50.8 76.2

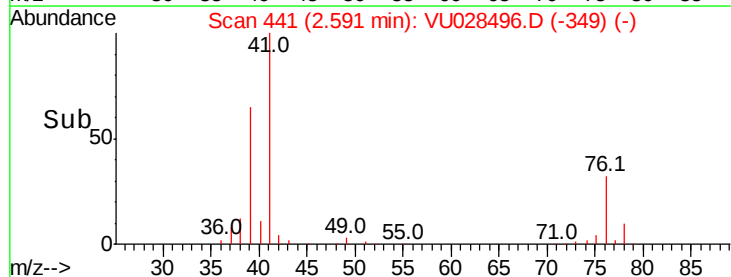
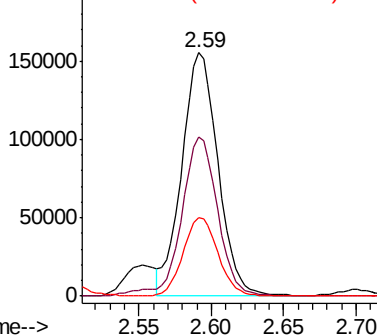
76 31.5 24.8 37.2

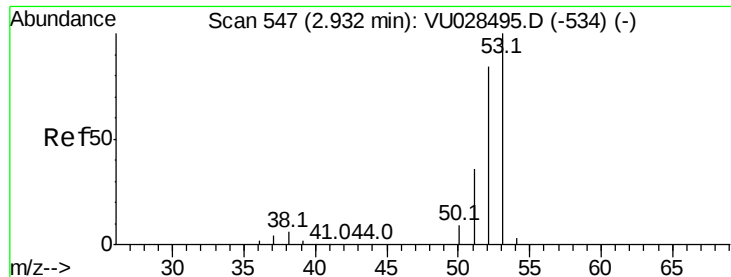


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 499.736 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

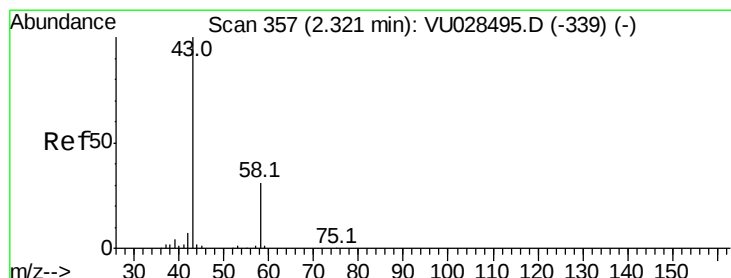
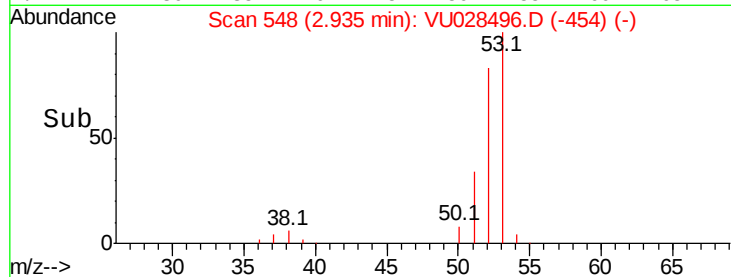
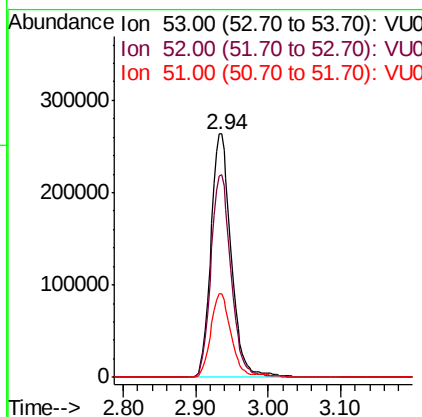
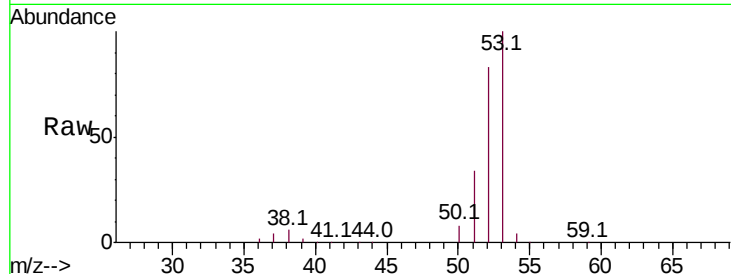
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	510615
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.1	99.1
51	35.0	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 443.037 ug/l

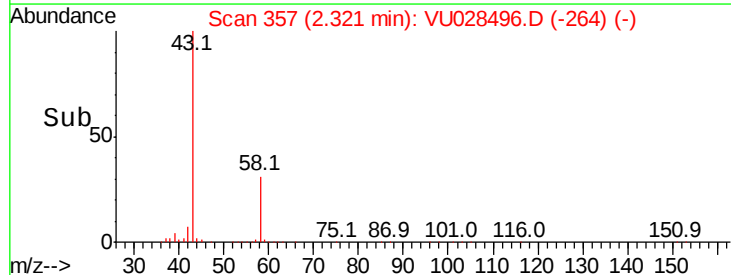
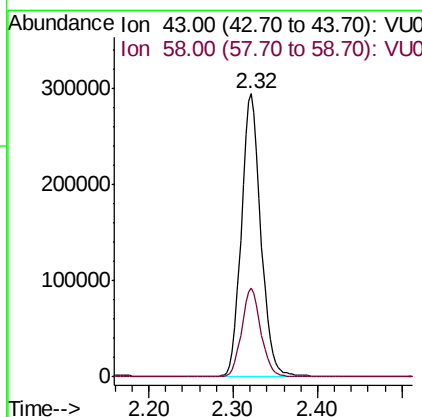
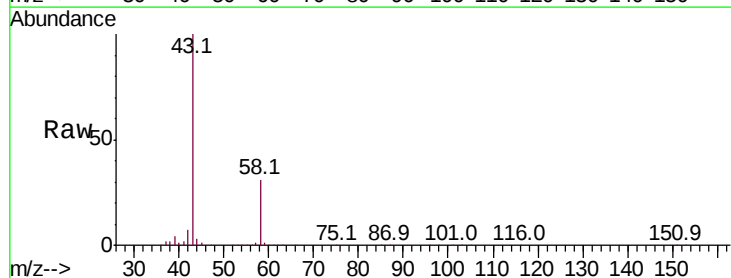
RT: 2.32 min Scan# 357

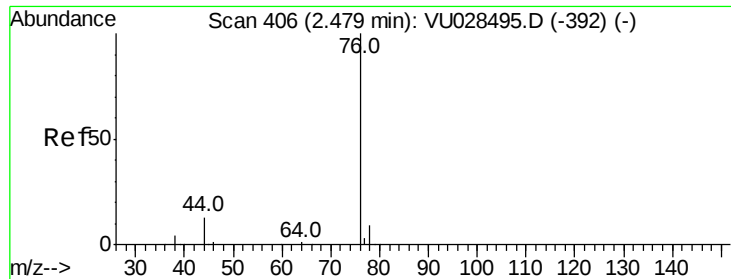
Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Tgt Ion:	43	Resp:	477560
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.6	37.0





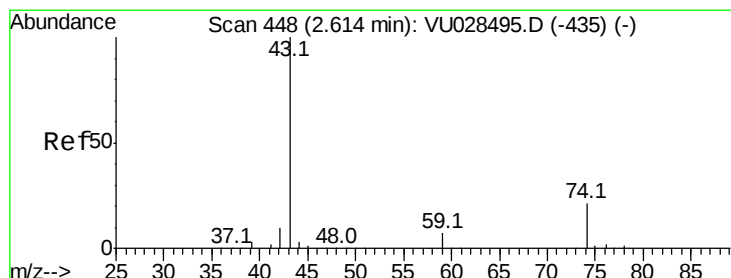
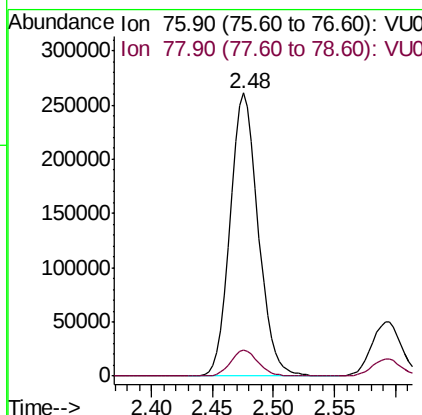
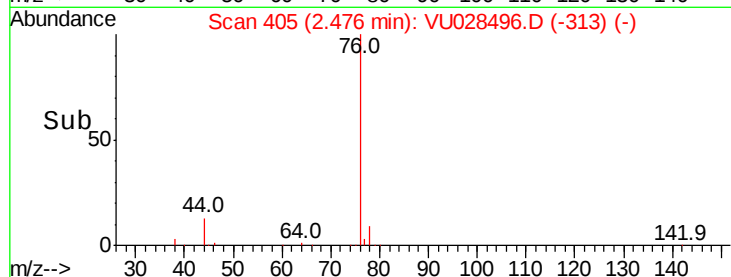
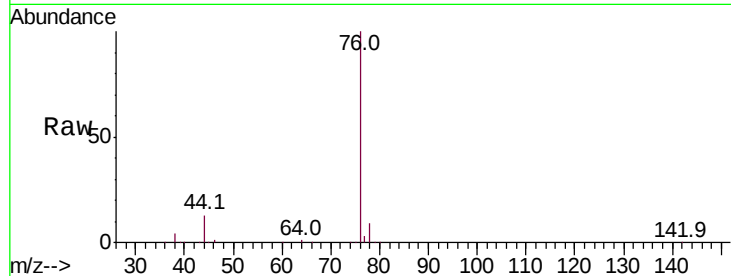
#17
Carbon Disulfide
Concen: 96.730 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Tot Ion: 76 Resp: 419968
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

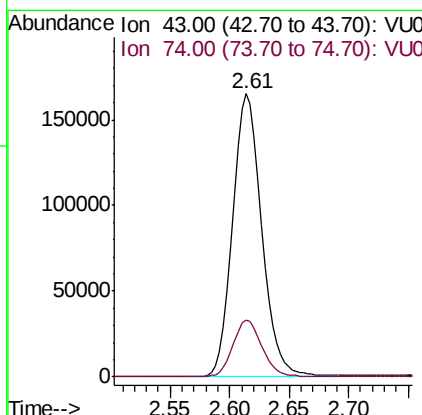
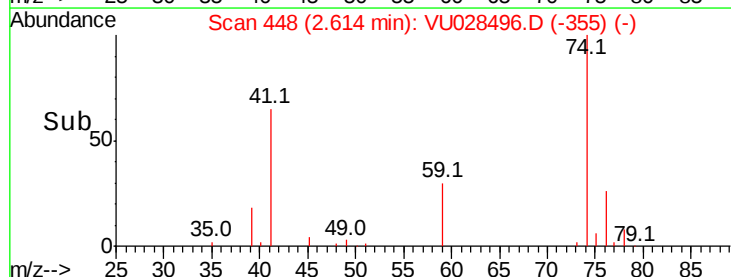
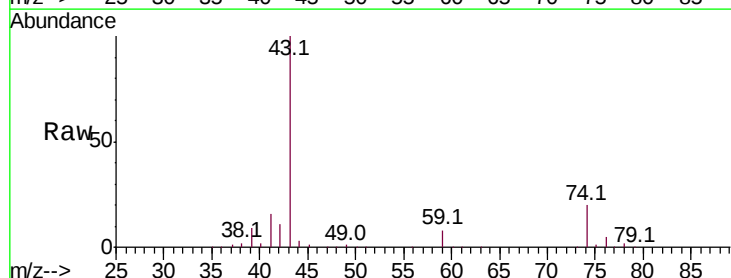
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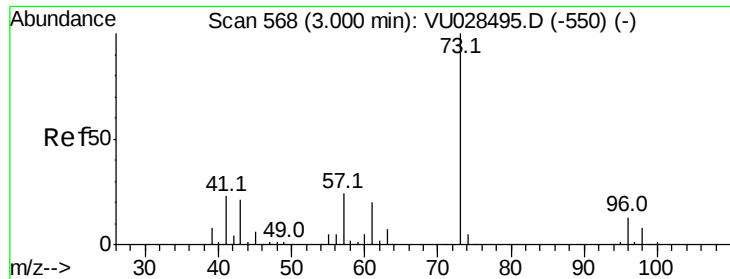
MMDadoda
12/7/2018 10:35:01 AM



#18
Methyl Acetate
Concen: 100.285 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion: 43 Resp: 280222
Ion Ratio Lower Upper
43 100
74 20.3 16.4 24.6





#19

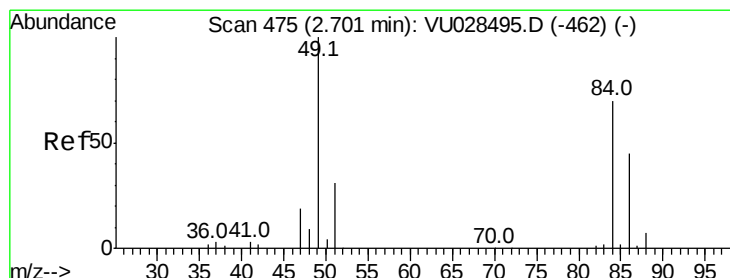
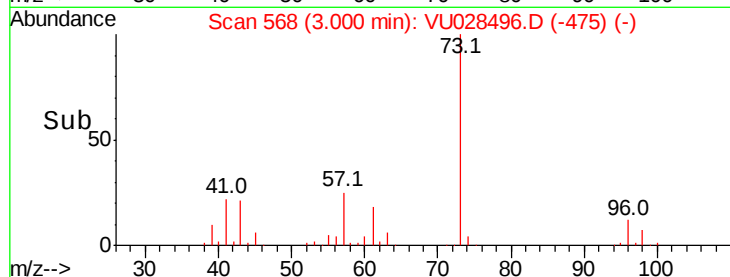
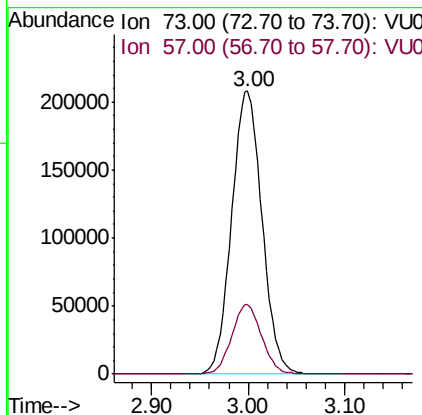
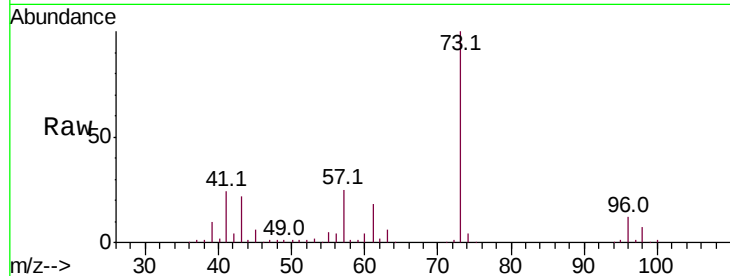
Methyl tert-butyl Ether
 Concen: 99.070 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 452618
 Ion Ratio Lower Upper
 73 100
 57 24.6 19.4 29.2

Manual Integrations
 APPROVED

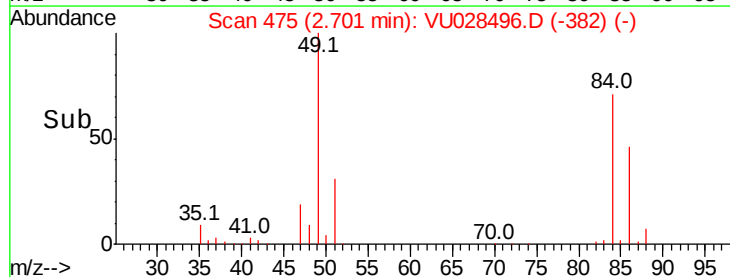
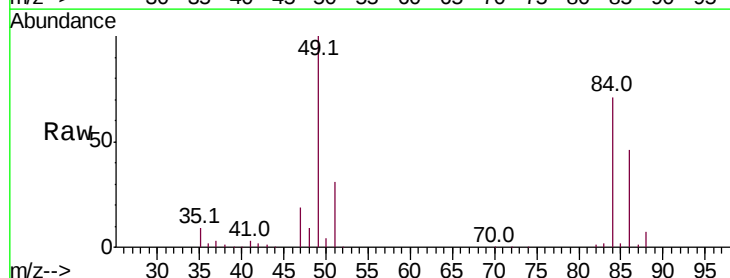
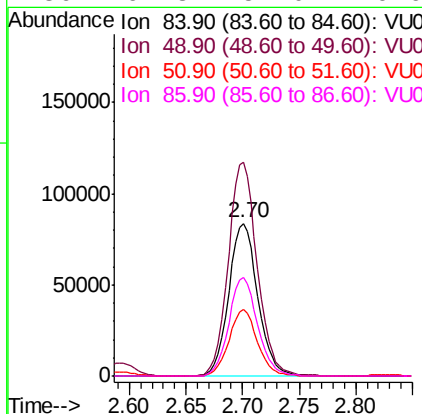
MMDadoda
 12/7/2018 10:35:01 AM

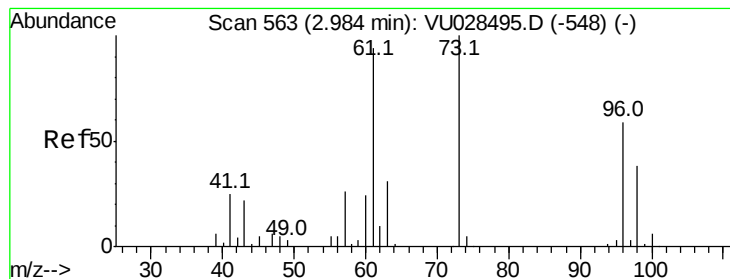


#20

Methylene Chloride
 Concen: 94.047 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Tgt Ion: 84 Resp: 149443
 Ion Ratio Lower Upper
 84 100
 49 140.0 114.0 171.0
 51 43.3 35.1 52.7
 86 64.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 98.569 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 133750

Ion Ratio Lower Upper

96 100

61 155.2 127.0 190.4

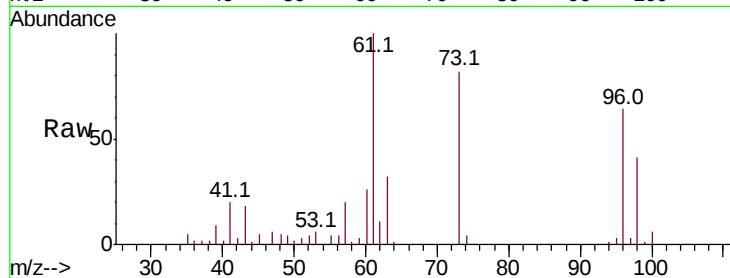
98 62.9 51.9 77.9

Manual Integrations

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12/7/2018 10:35:01 AM

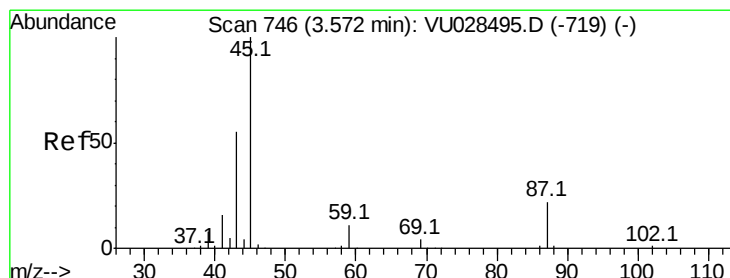
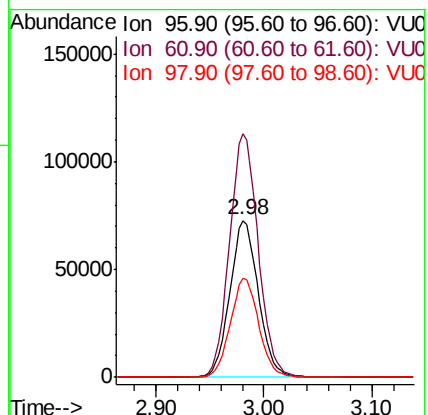
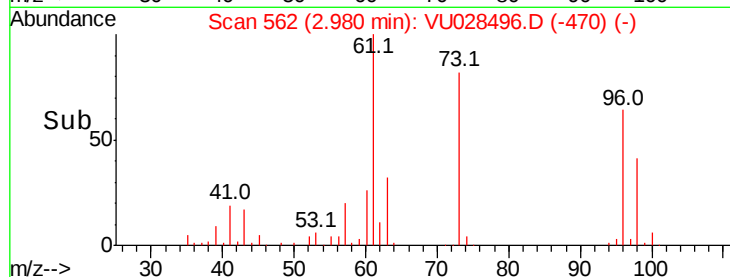


Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)

2.98



#22

Diisopropyl ether

Concen: 100.087 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Tgt Ion: 45 Resp: 554911

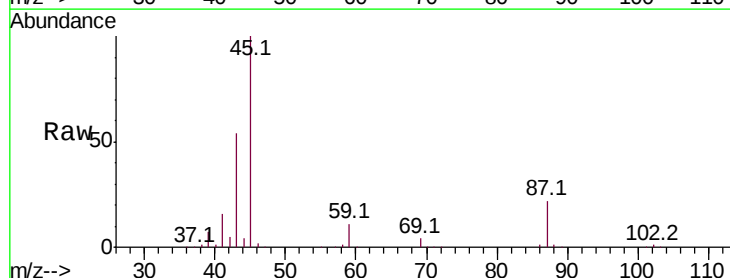
Ion Ratio Lower Upper

45 100

43 53.3 45.3 67.9

87 21.8 17.6 26.4

59 11.0 8.8 13.2



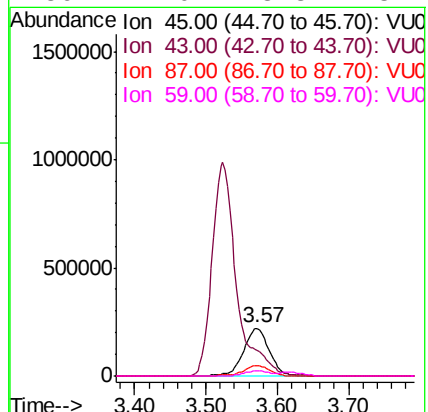
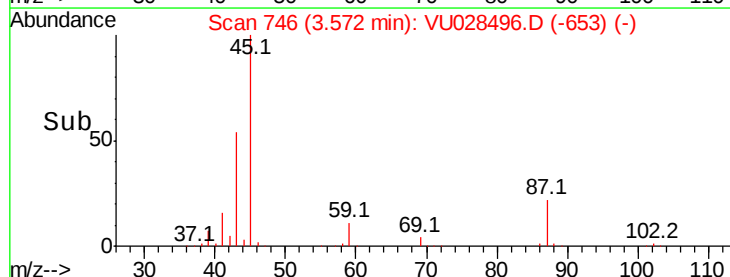
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

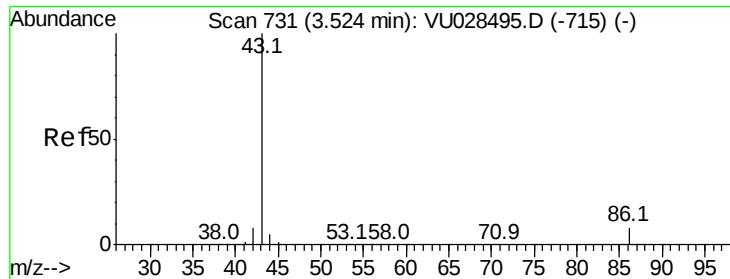
Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)

3.57





#23

Vinyl Acetate

Concen: 512.973 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2345915

Ion Ratio Lower Upper

43 100

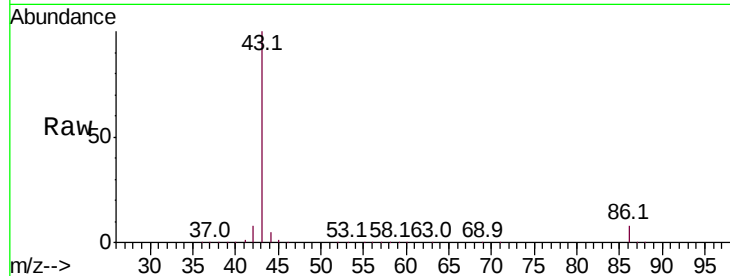
86 8.4 6.8 10.2

Manual Integrations

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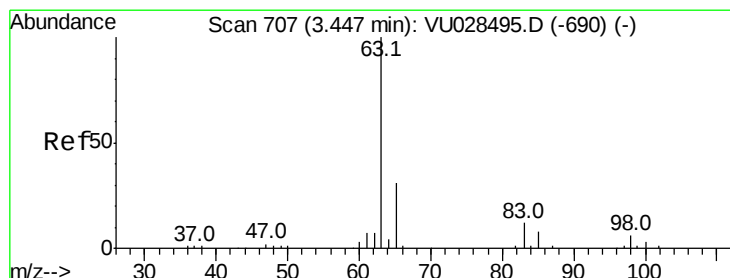
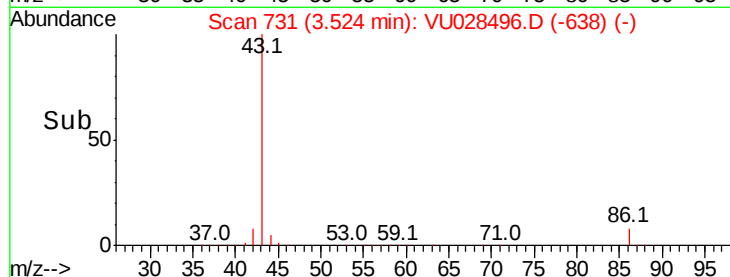
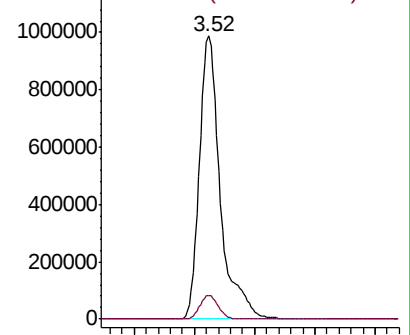
MMDadoda

12/7/2018 10:35:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 97.368 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

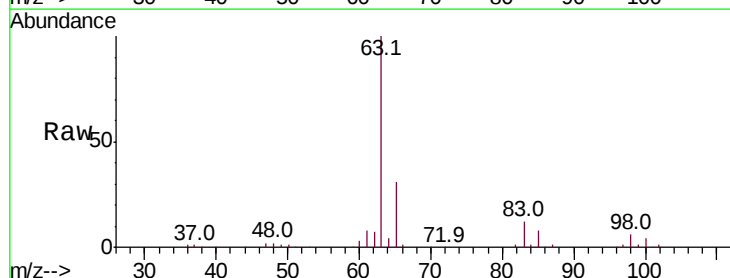
Tgt Ion: 63 Resp: 282584

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

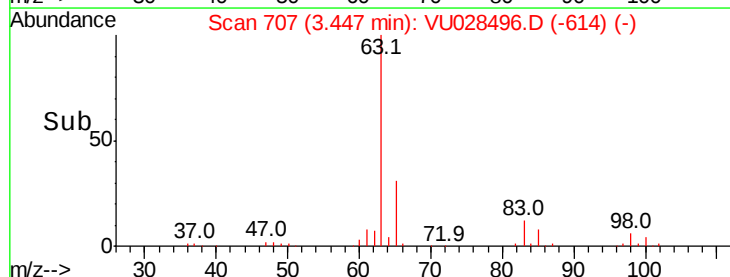
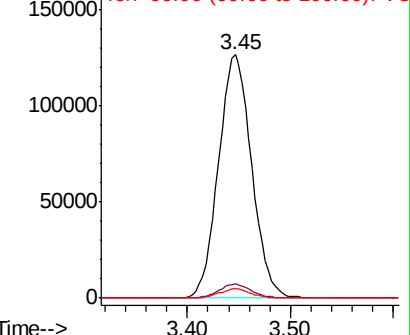
100 3.8 1.7 5.1

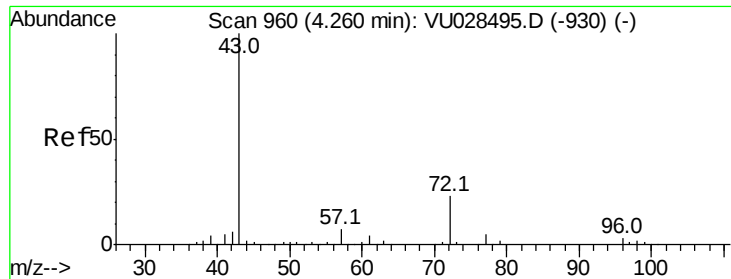


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 494.923 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 729066

Ion Ratio Lower Upper

43 100

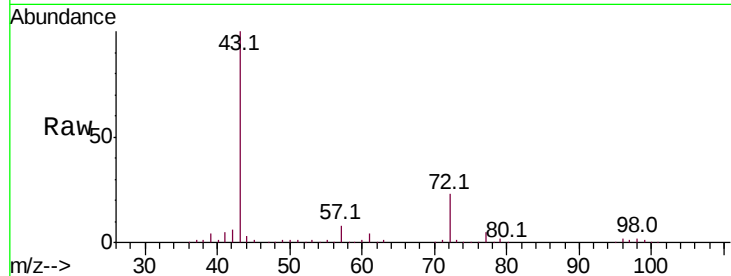
72 23.1 18.6 28.0

Manual Integrations

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12/7/2018 10:35:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

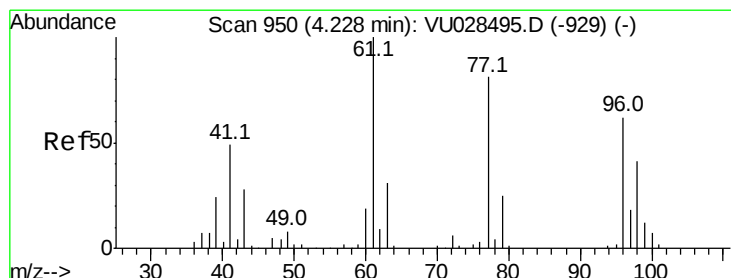
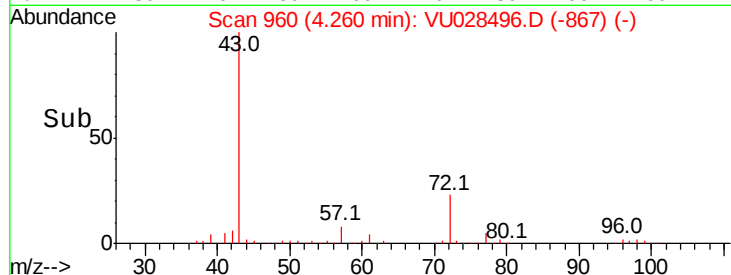
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 97.822 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028496.D

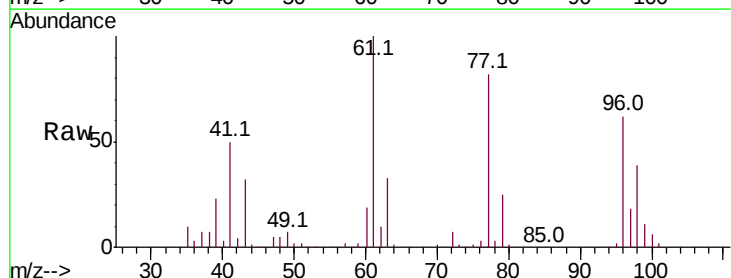
Acq: 06 Dec 2018 12:56

Tgt Ion: 77 Resp: 224950

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

80000

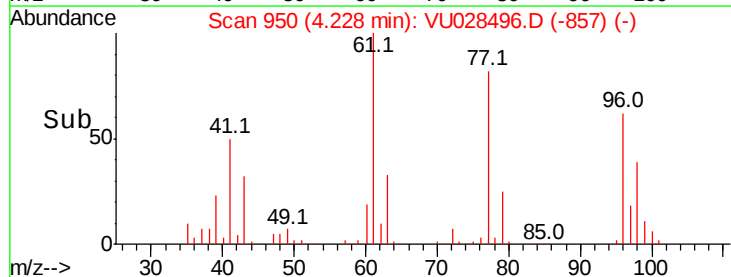
60000

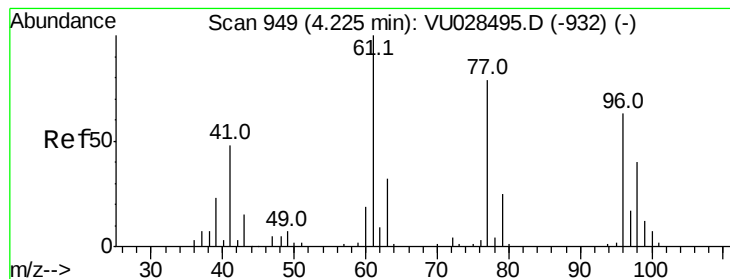
40000

20000

0

Time-->





#27

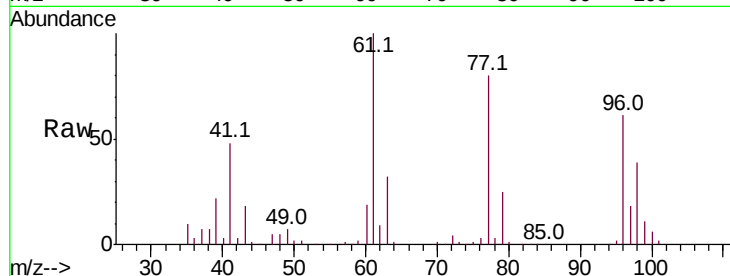
cis-1,2-Dichloroethene
Concen: 98.782 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

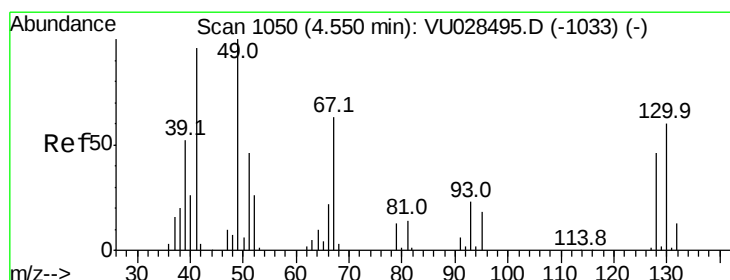
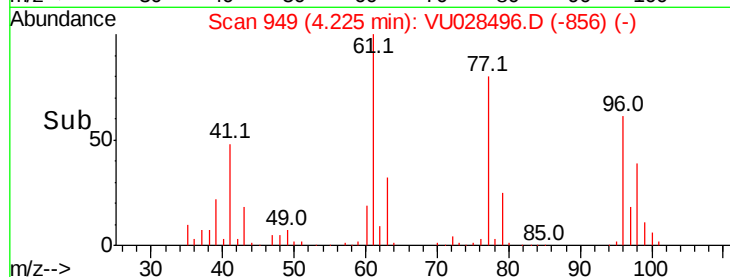
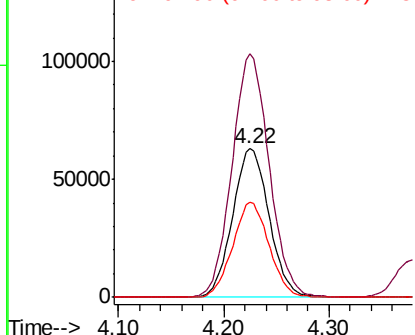
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	166.3	0.0	332.4	
98	63.8	0.0	129.0	

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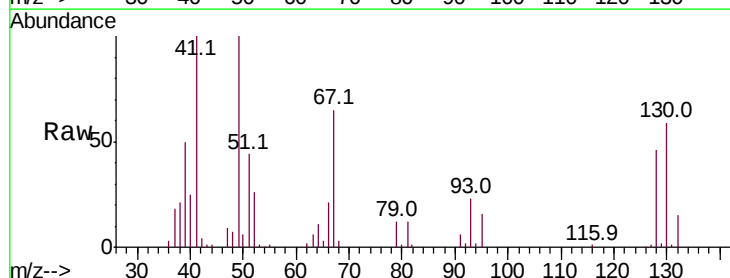
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



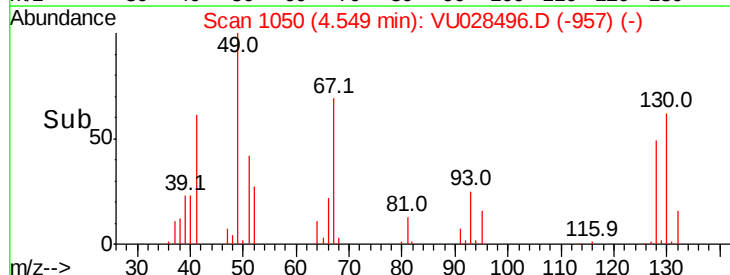
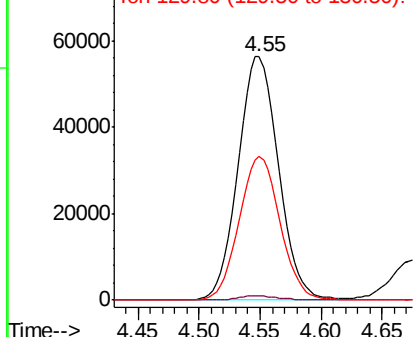
#28

Bromochloromethane
Concen: 97.892 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.0	
130	59.6	47.8	71.8	



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





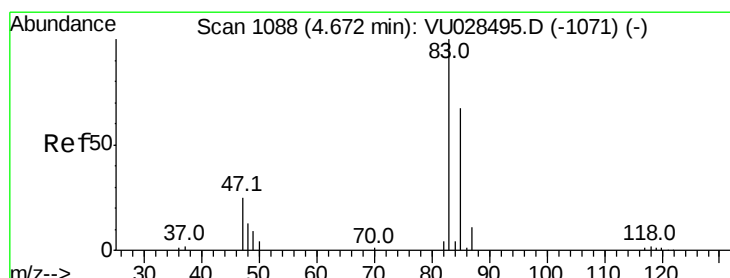
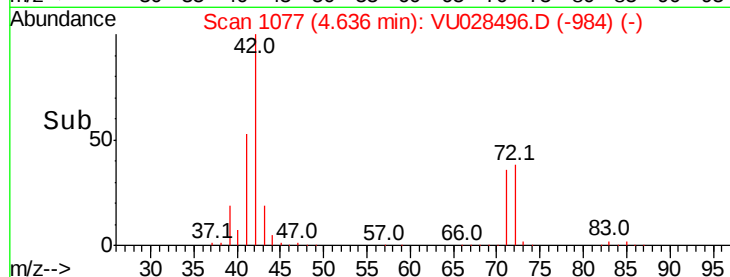
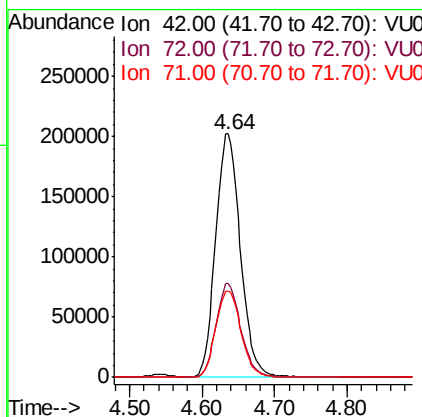
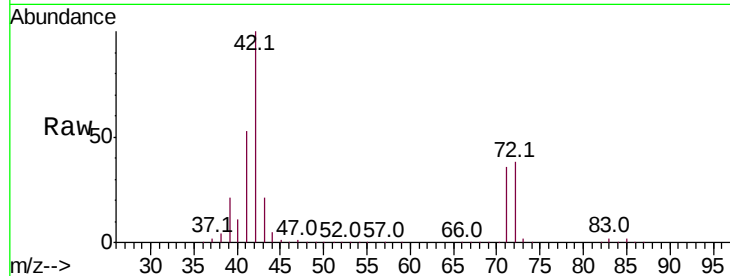
#29
Tetrahydrofuran
Concen: 503.270 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	31.4	47.0
71	36.5	28.6	43.0

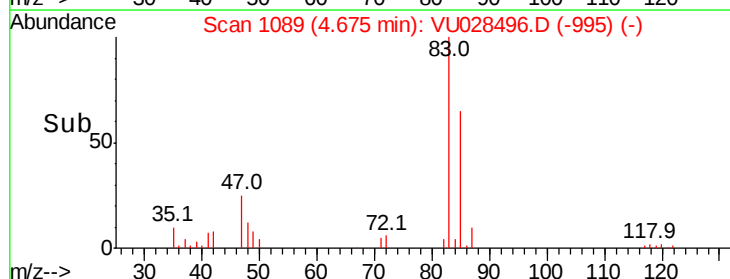
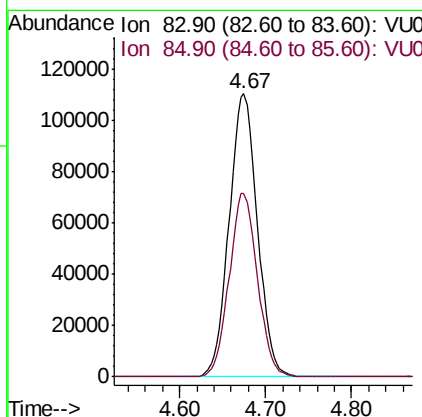
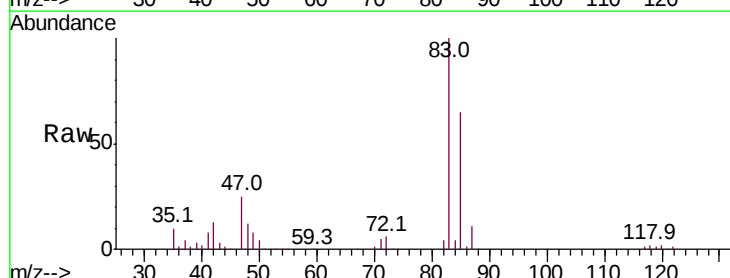
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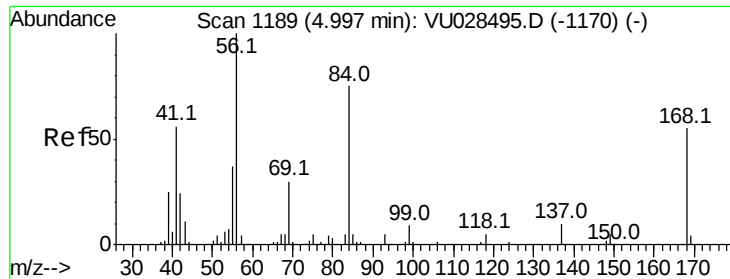
MMDadoda
12/7/2018 10:35:01 AM



#30
Chloroform
Concen: 99.430 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	53.6	80.4





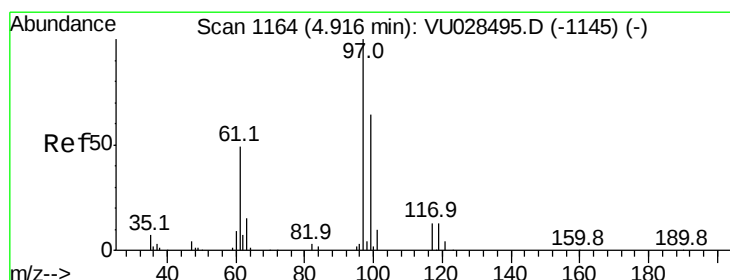
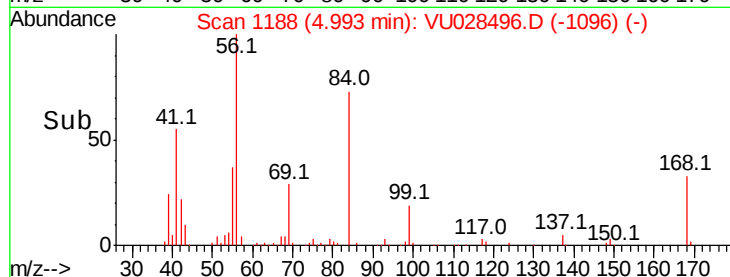
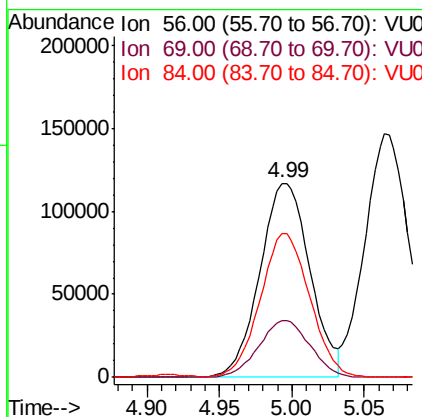
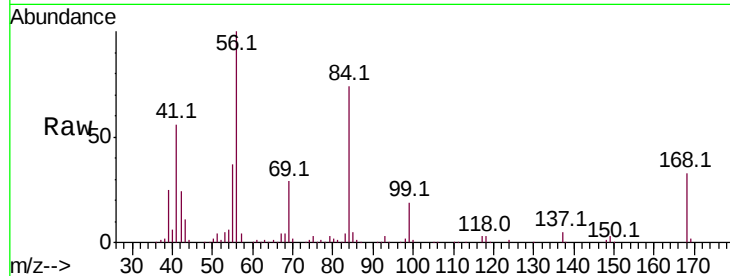
#31
Cyclohexane
Concen: 82.523 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	24.0	36.0
84	73.2	59.7	89.5

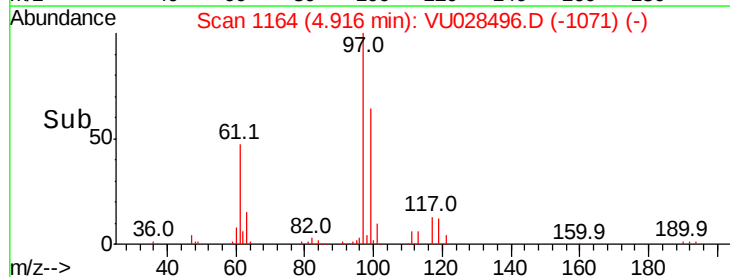
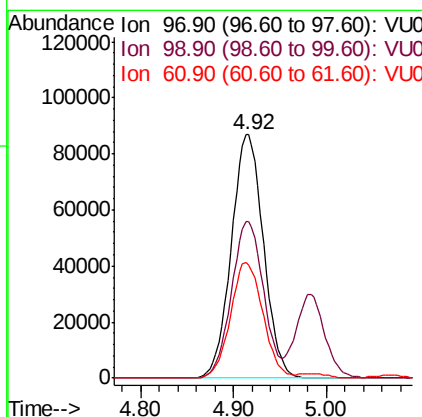
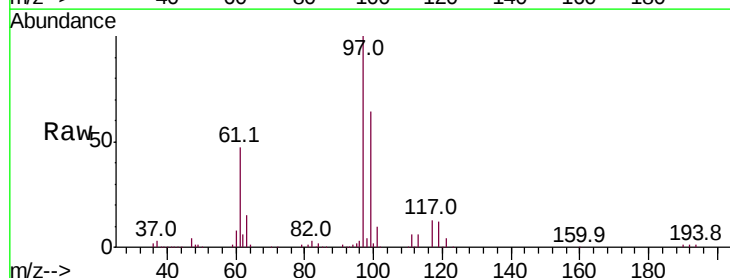
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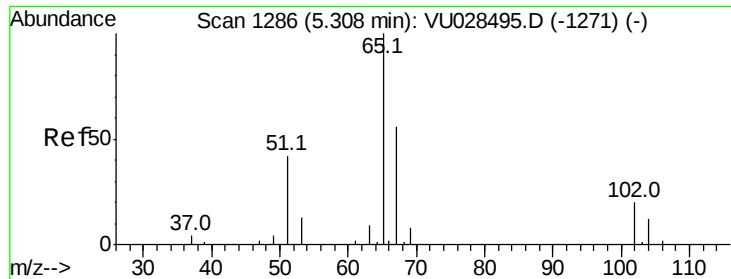
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#32
1,1,1-Trichloroethane
Concen: 99.395 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.3	78.5
61	48.2	39.0	58.6





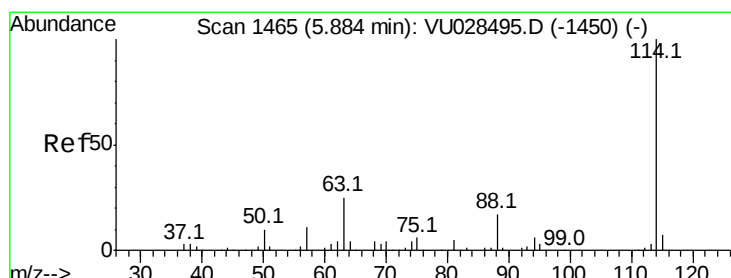
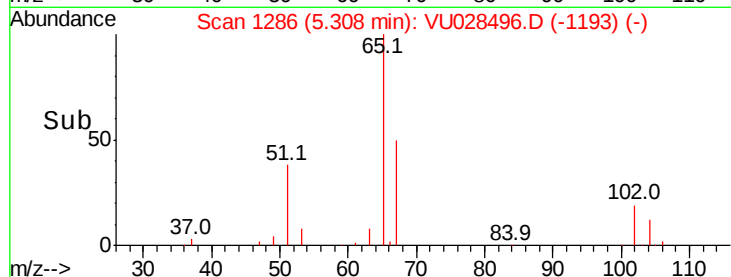
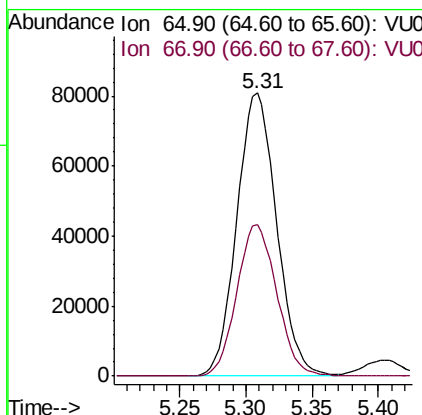
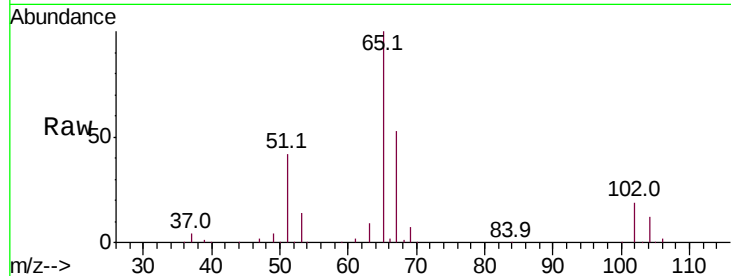
#33
 1,2-Dichloroethane-d4
 Concen: 102.151 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	110.6

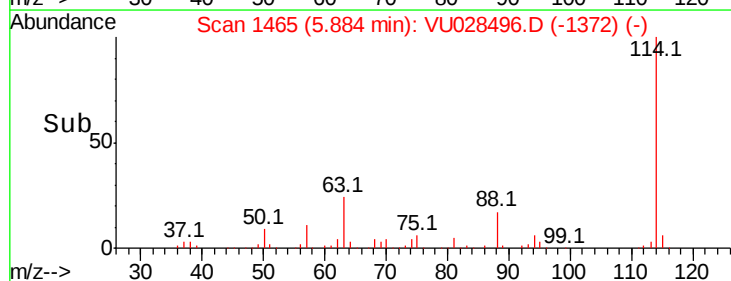
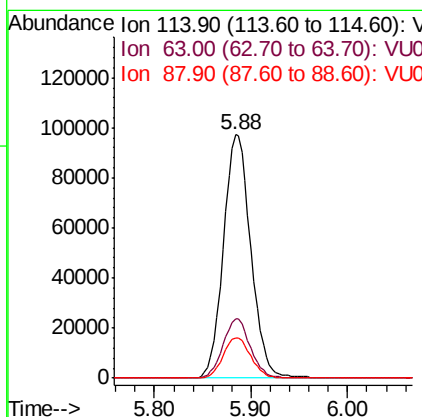
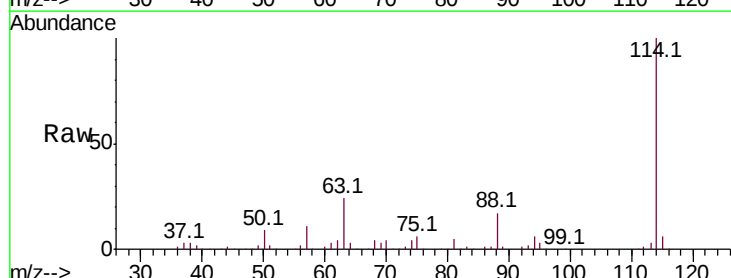
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	49.2
88	16.6	0.0	33.4





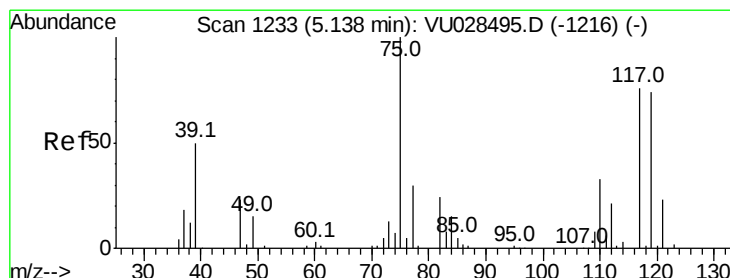
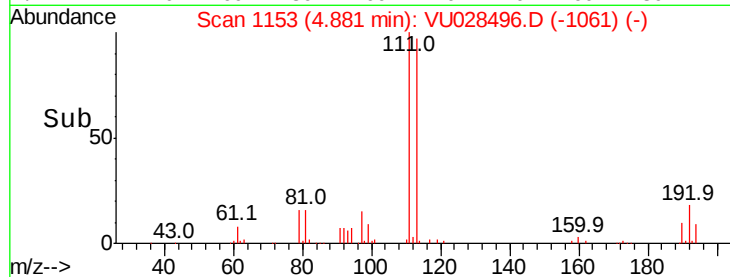
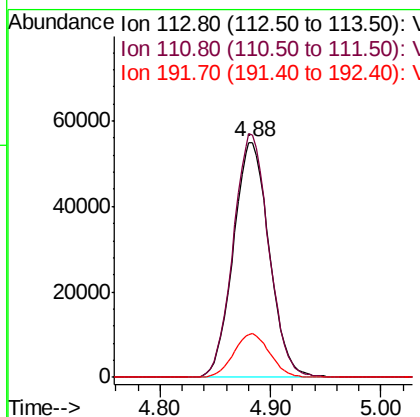
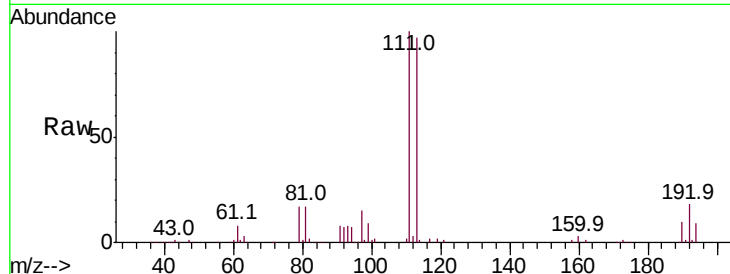
#35
 Dibromofluoromethane
 Concen: 103.295 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	124172		
111	102.4	83.4	125.0	
192	18.7	14.8	22.2	

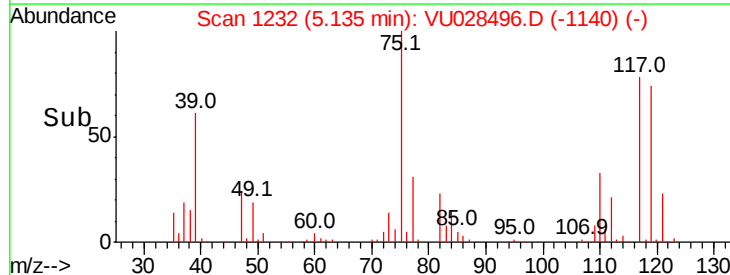
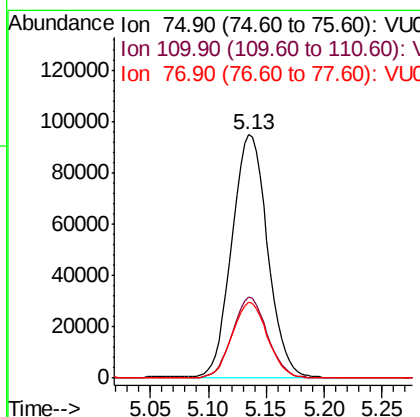
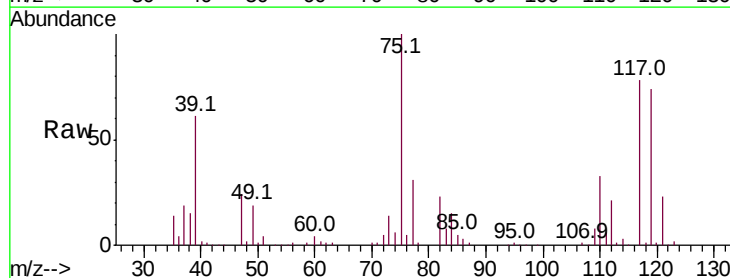
Manual Integrations
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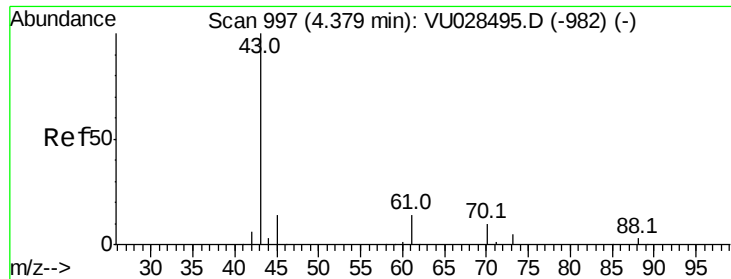
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 97.015 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	202792		
110	32.9	16.1	48.2	
77	31.1	24.5	36.7	





#37

Ethyl Acetate

Concen: 100.606 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

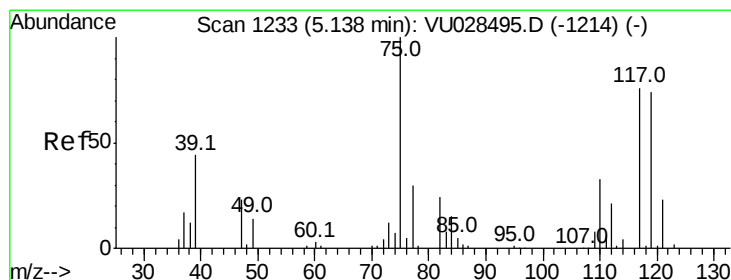
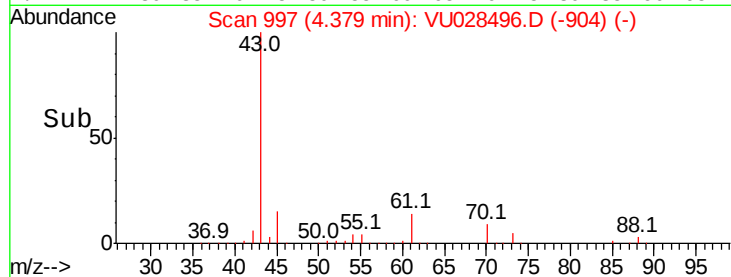
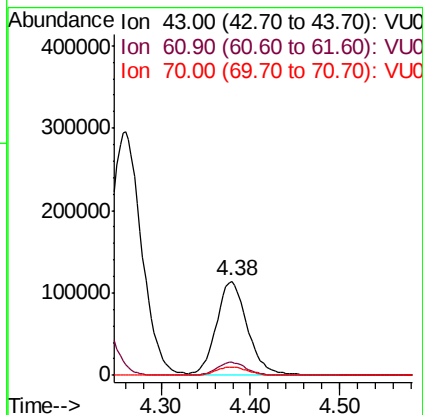
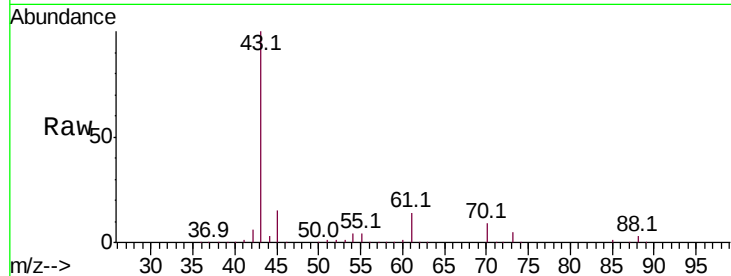
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	271854
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.4
70	9.2	7.4	11.0

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#38

Carbon Tetrachloride

Concen: 98.698 ug/l

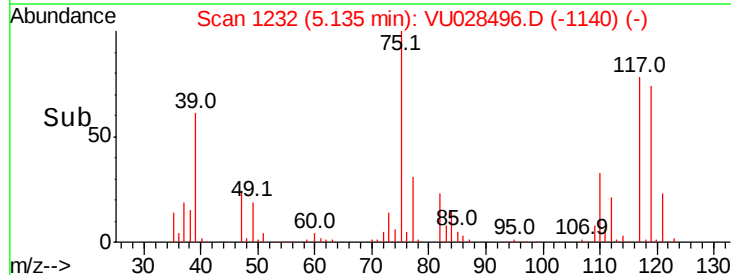
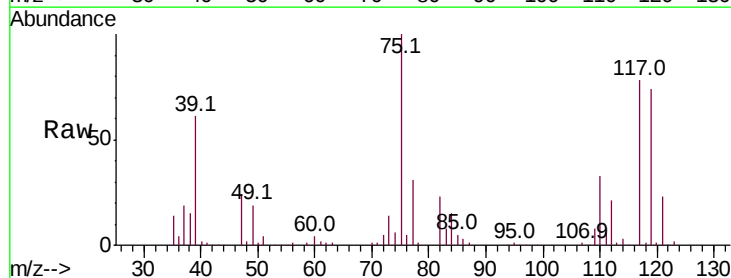
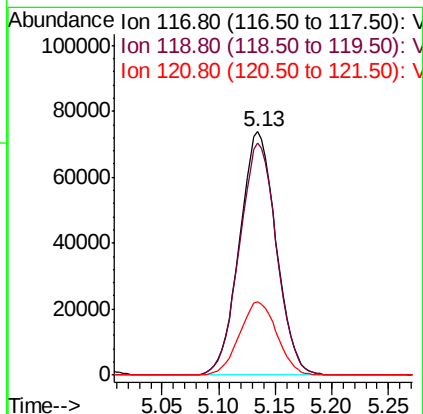
RT: 5.13 min Scan# 1232

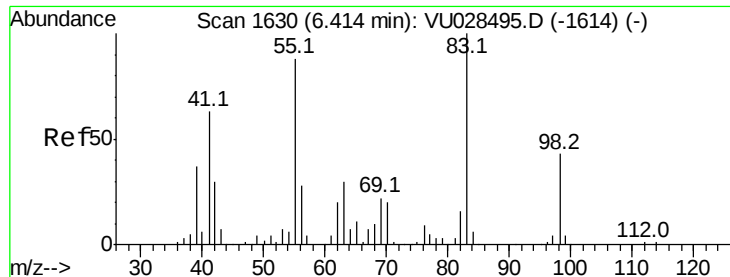
Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Tgt Ion:	117	Resp:	166287
Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.6	116.4
121	30.0	24.6	36.8





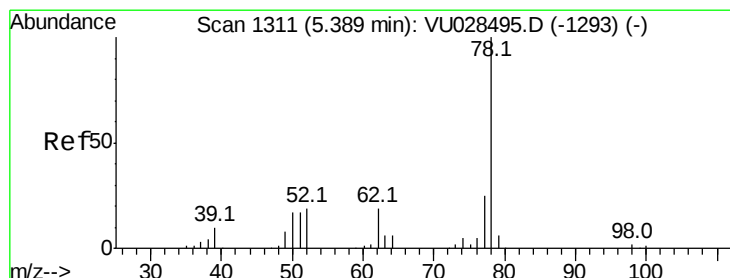
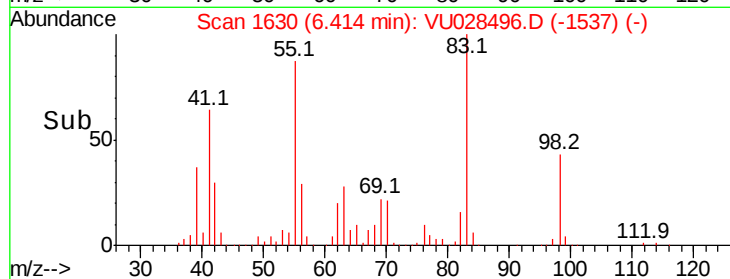
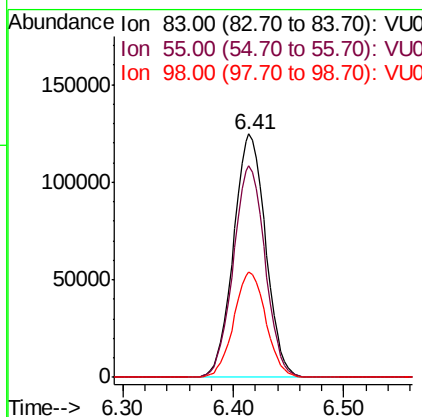
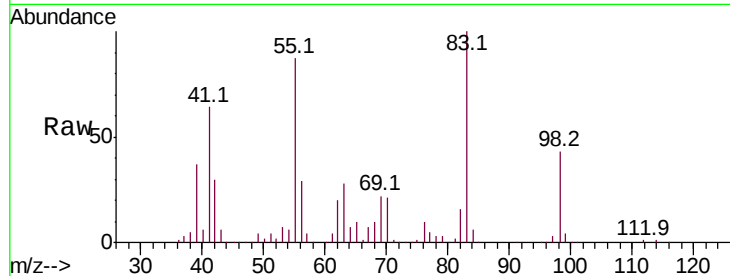
#39
Methvlcvclohexane
Concen: 98.524 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.9	70.2	105.2
98	43.2	34.2	51.4

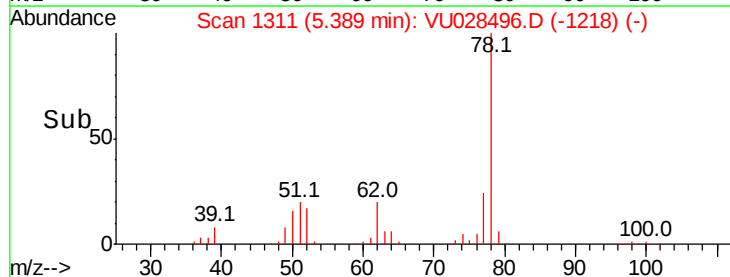
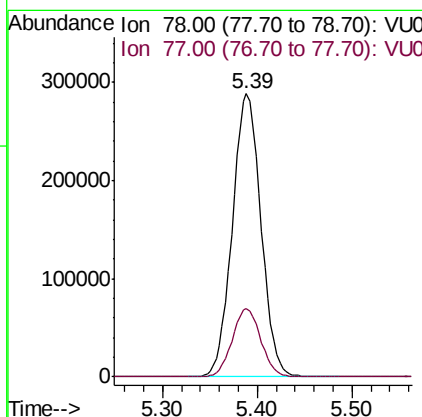
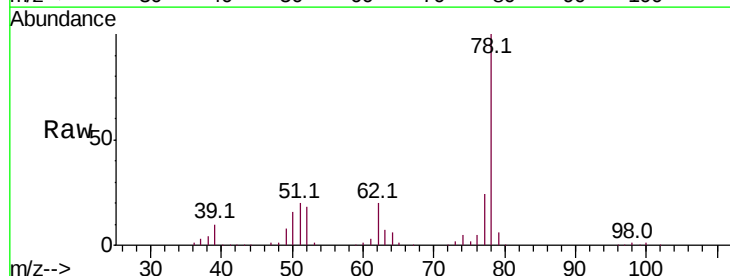
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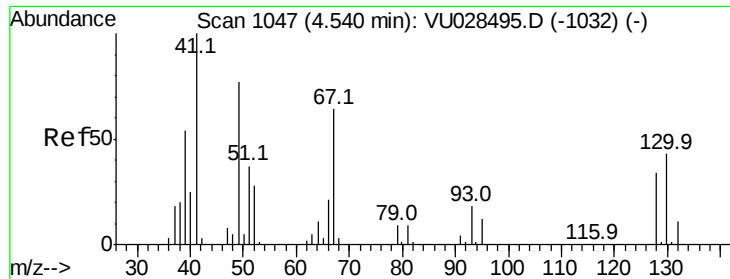
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#40
Benzene
Concen: 98.339 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.9	29.9





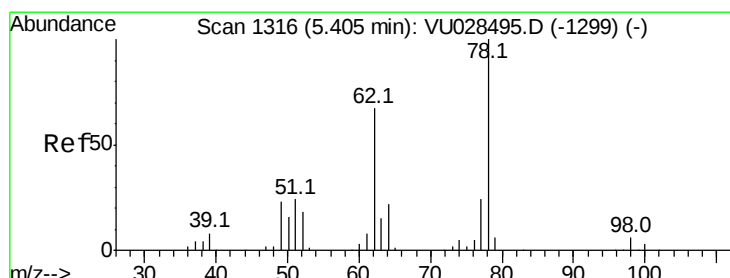
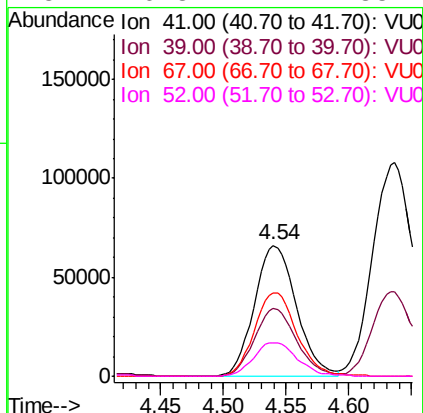
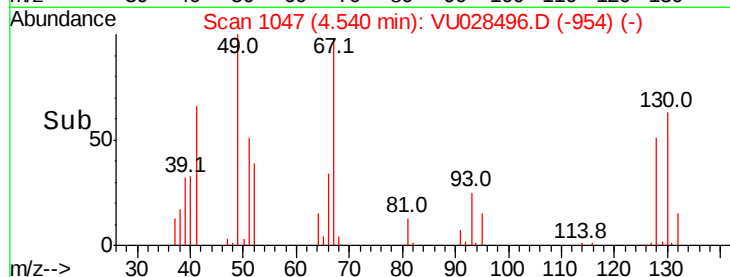
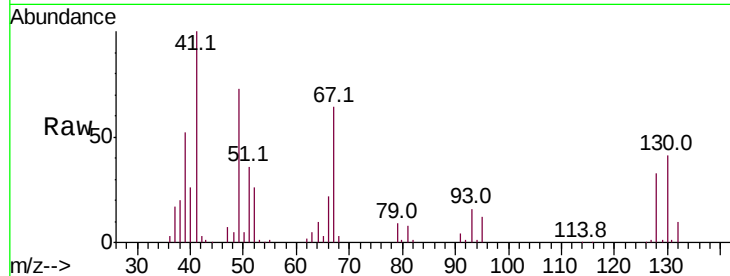
#41
Methacrylonitrile
Concen: 104.298 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.8	43.3	64.9
67	64.6	53.6	80.4
52	26.8	22.1	33.1

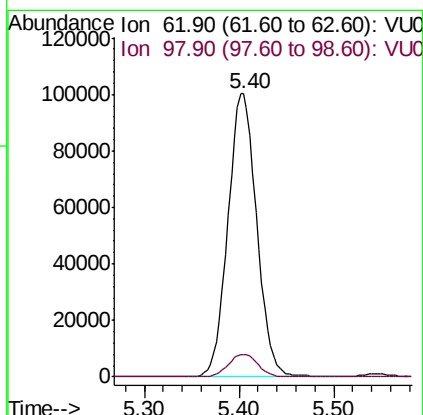
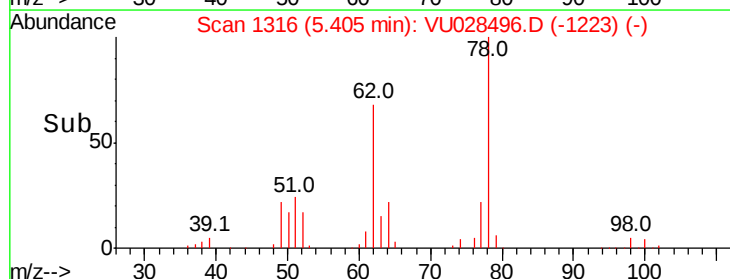
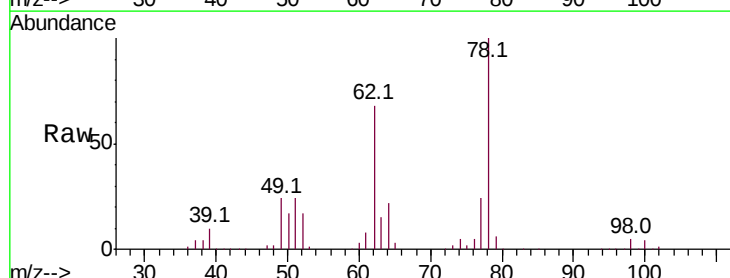
Manual Integrations
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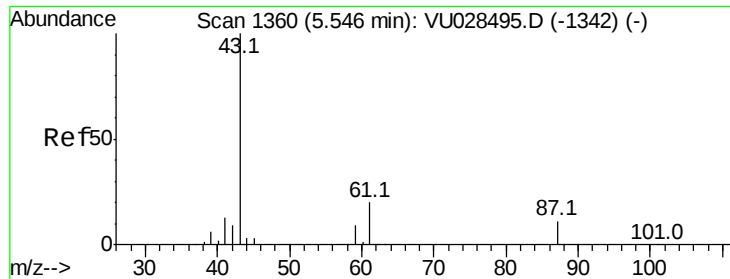
MMDadoda
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#42
1,2-Dichloroethane
Concen: 98.202 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 101.203 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

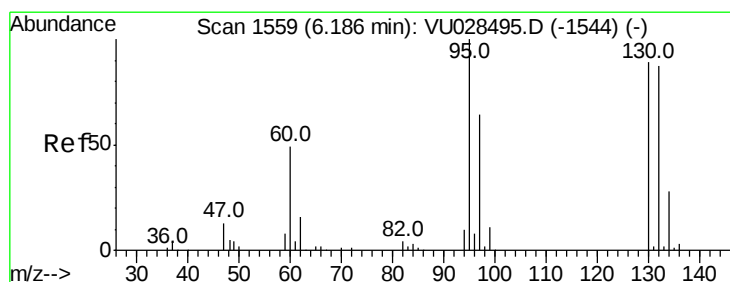
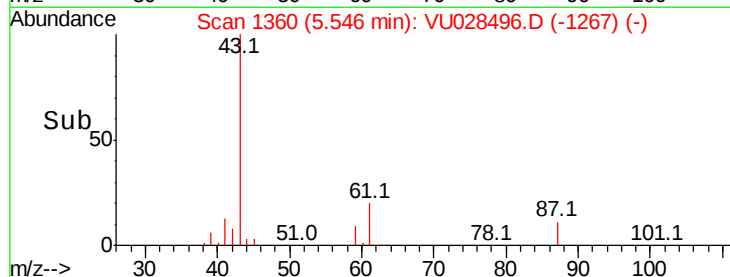
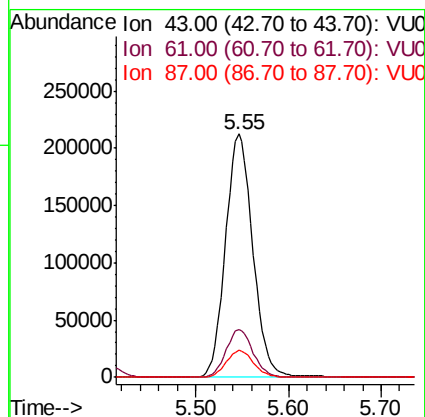
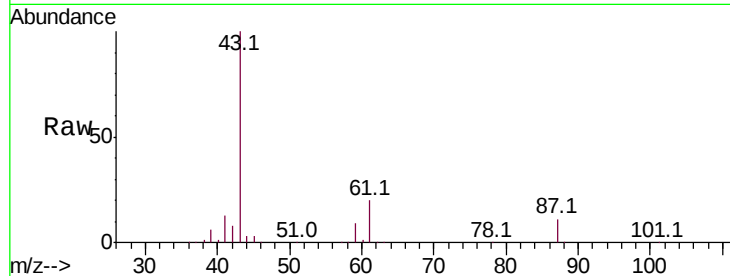
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	432544
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.5	23.3
87	11.1	8.7	13.1

Manual Integrations
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#44

Trichloroethene

Concen: 98.228 ug/l

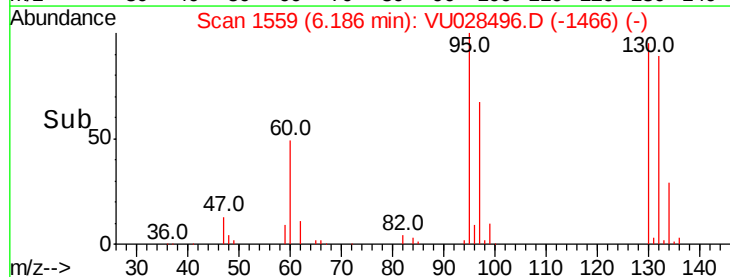
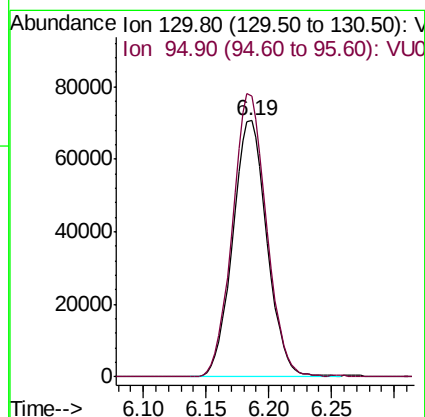
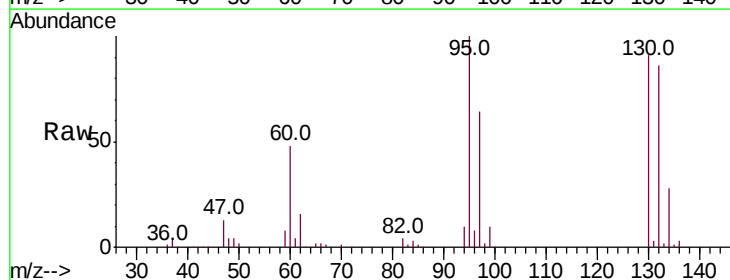
RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Tgt Ion:	130	Resp:	134463
Ion	Ratio	Lower	Upper
130	100		
95	109.5	0.0	224.0





#45

1,2-Dichloropropane

Concen: 99.410 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 172104

Ion Ratio Lower Upper

63 100

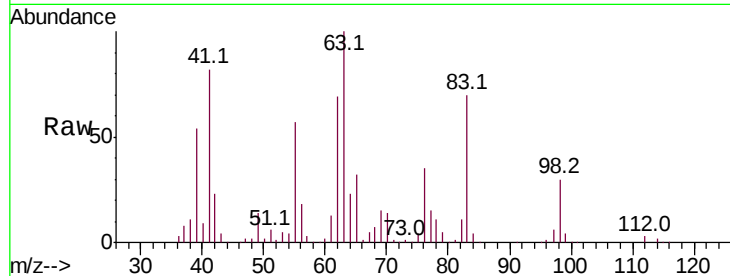
65 32.0 24.2 36.4

Manual Integrations

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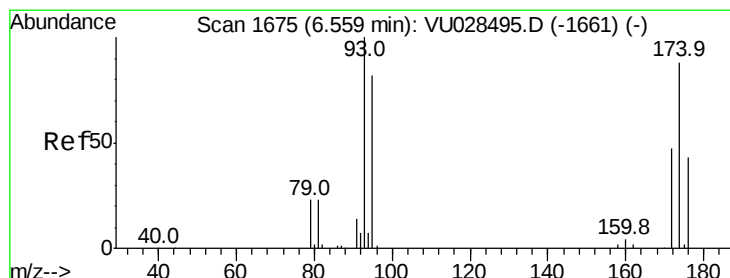
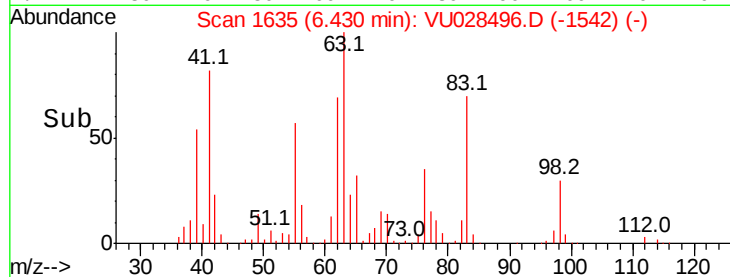
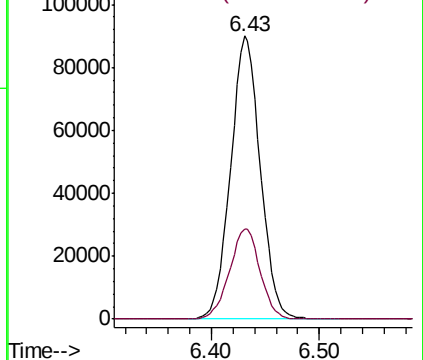
MMDadoda

12/7/2018 10:35:01 AM



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 98.996 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

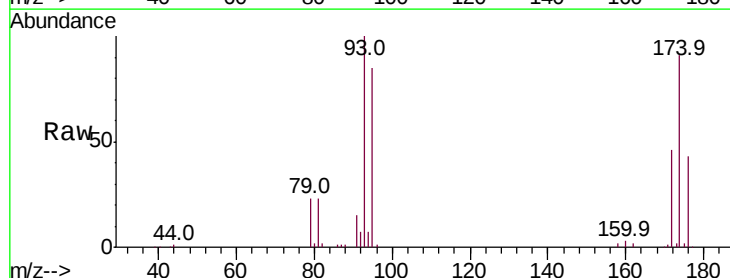
Tgt Ion: 93 Resp: 101689

Ion Ratio Lower Upper

93 100

95 83.4 65.4 98.2

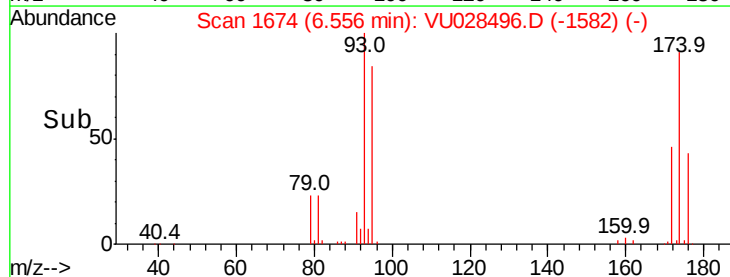
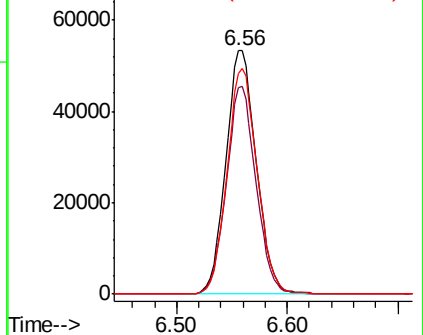
174 92.0 72.2 108.4

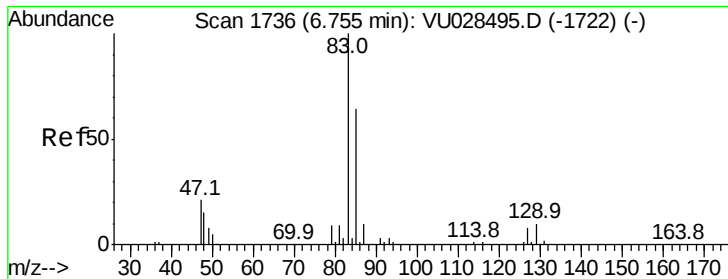


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 98.926 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

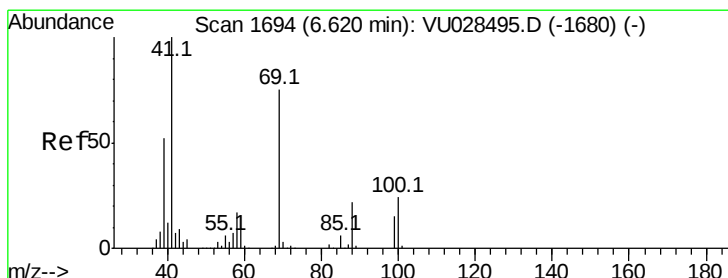
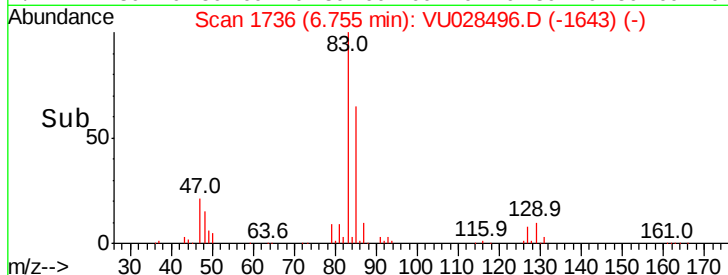
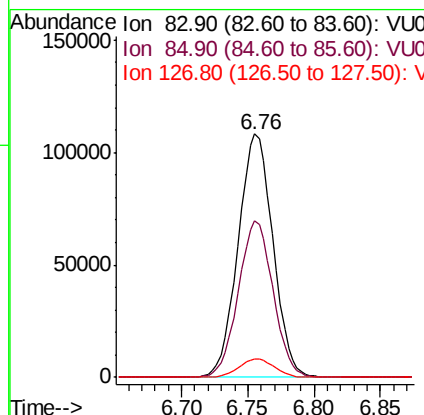
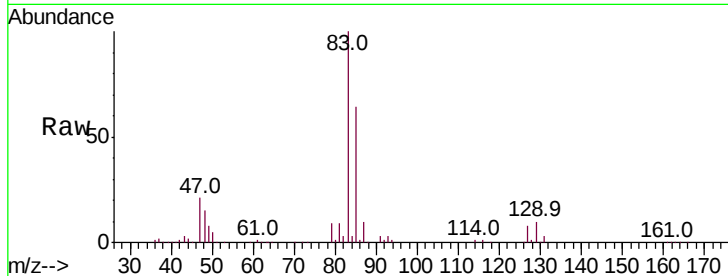
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	197740
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.5	77.3
127	7.7	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 103.058 ug/l

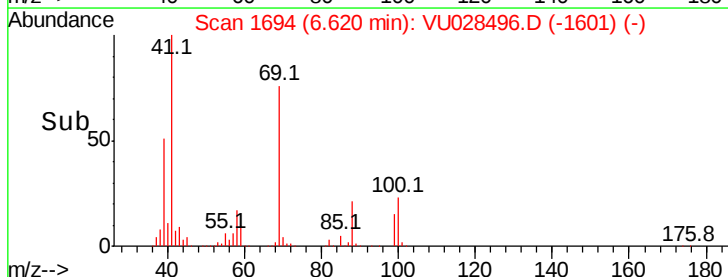
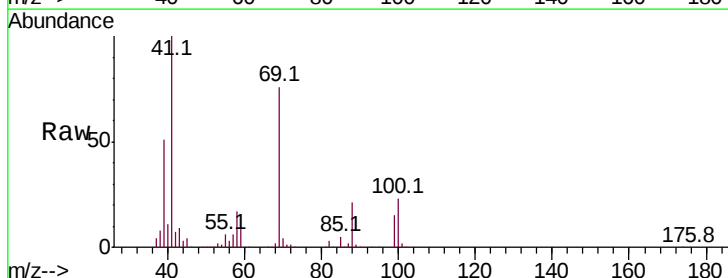
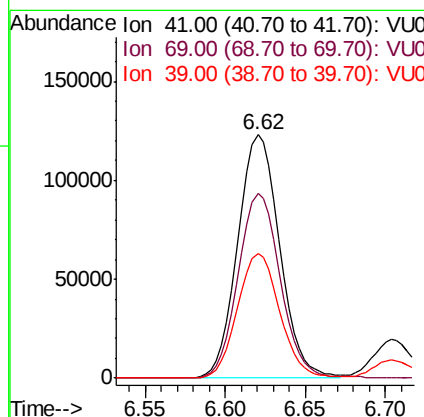
RT: 6.62 min Scan# 1694

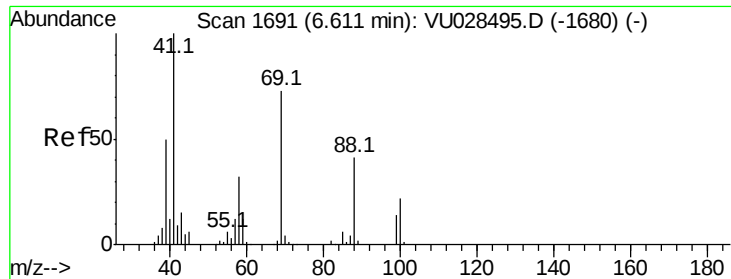
Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Tgt Ion:	41	Resp:	219048
Ion Ratio	Lower	Upper	
41	100		
69	77.0	60.4	90.6
39	51.5	41.1	61.7





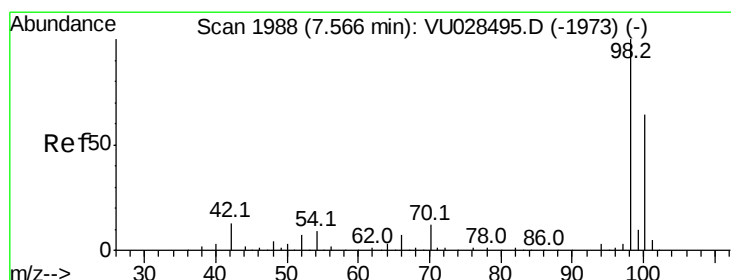
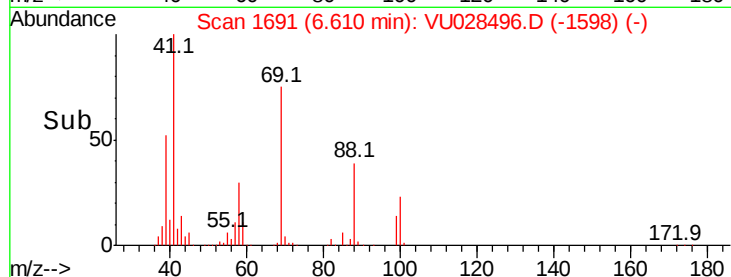
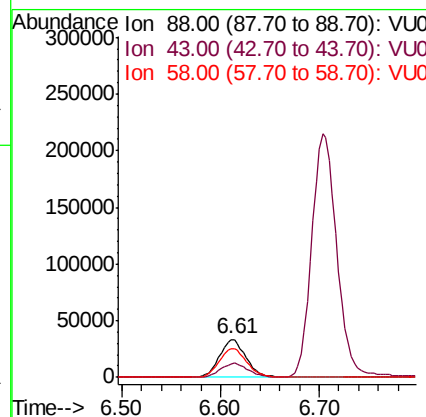
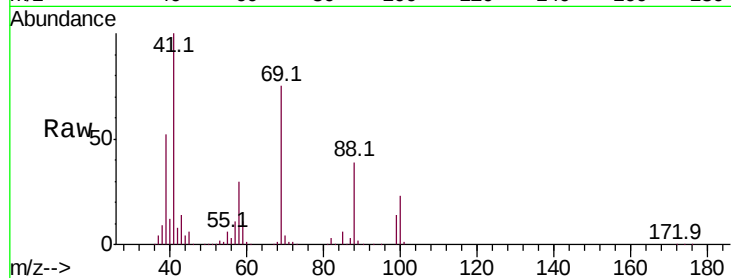
#49
1,4-Dioxane
Concen: 1898.201 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.1	30.9	46.3
58	78.7	62.4	93.6

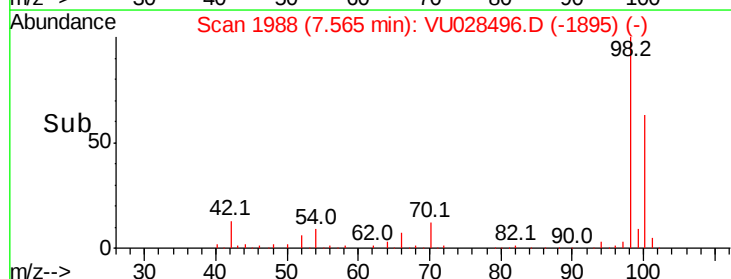
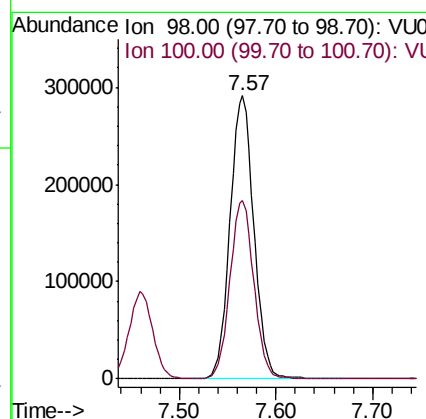
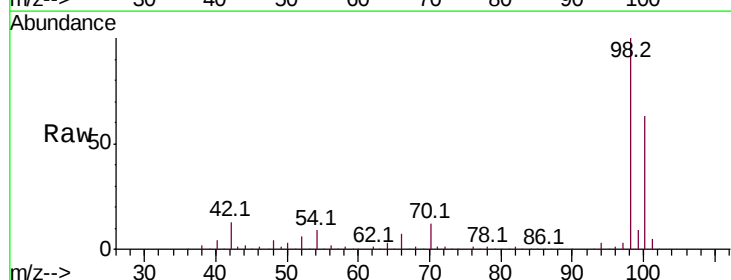
Manual Integrations
APPROVED

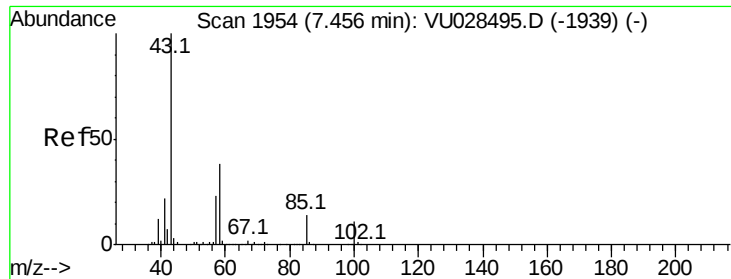
MMDadoda
12/7/2018 10:35:01 AM



#50
Toluene-d8
Concen: 104.927 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 504.427 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1359773

Ion Ratio Lower Upper

43 100

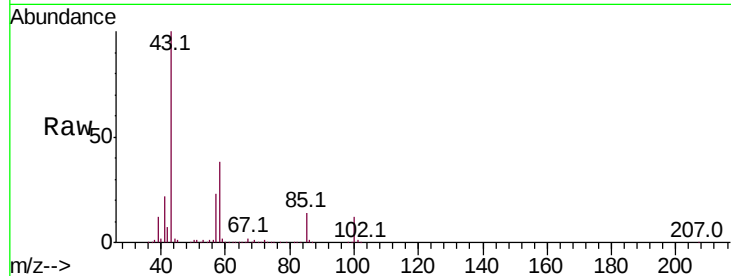
58 37.4 30.2 45.2

Manual Integrations

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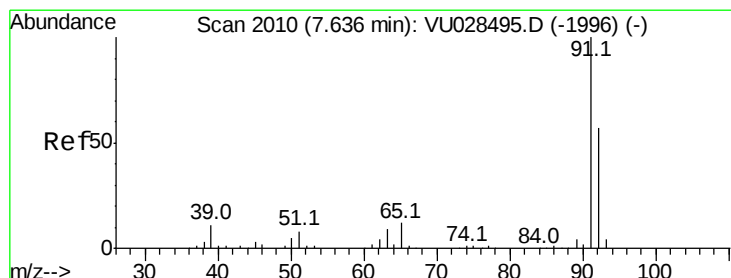
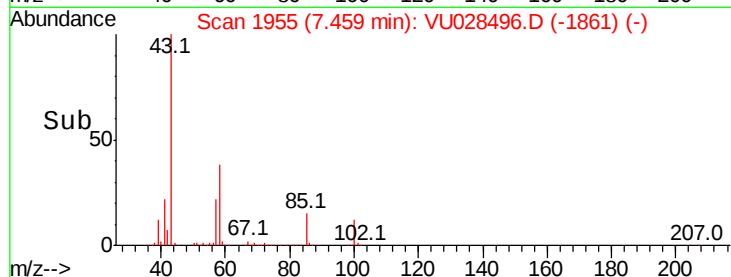
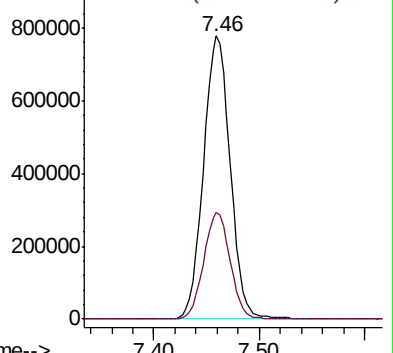
MMDadoda

12/7/2018 10:35:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 101.435 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028496.D

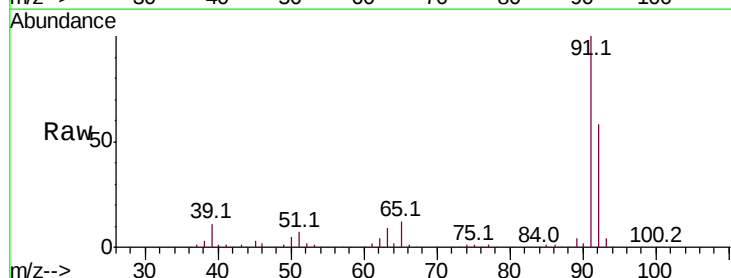
Acq: 06 Dec 2018 12:56

Tgt Ion: 92 Resp: 367521

Ion Ratio Lower Upper

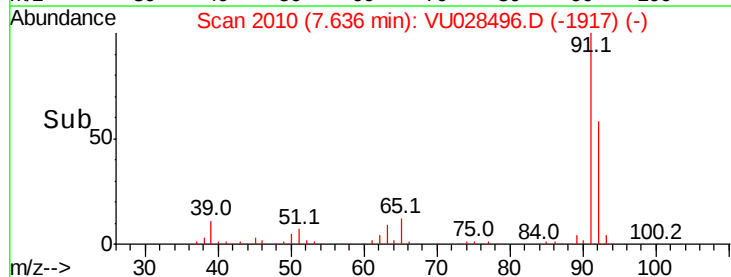
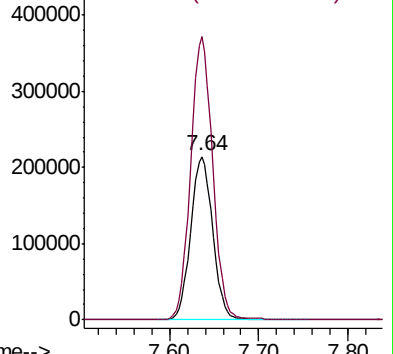
92 100

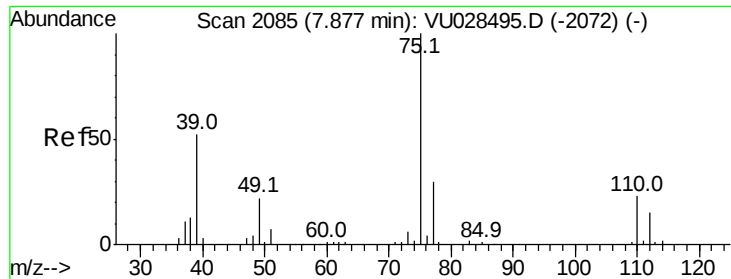
91 173.2 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





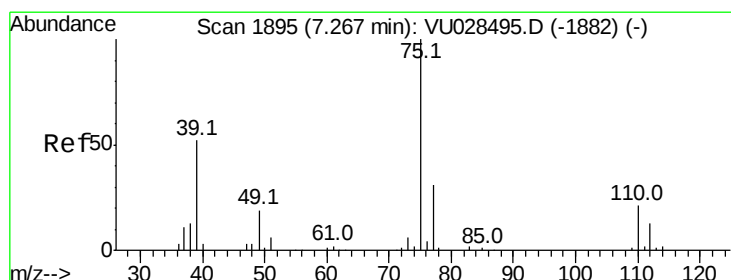
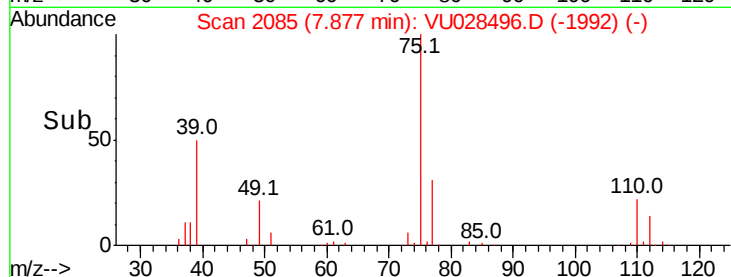
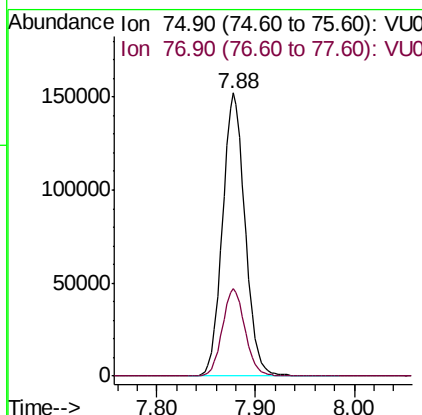
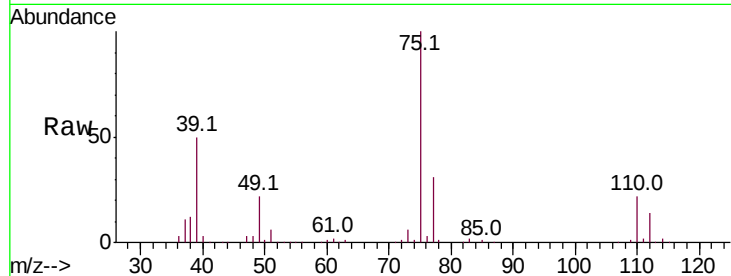
#53
t-1,3-Dichloropropene
Concen: 103.130 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 245514
Ion Ratio Lower Upper
75 100
77 31.0 24.2 36.4

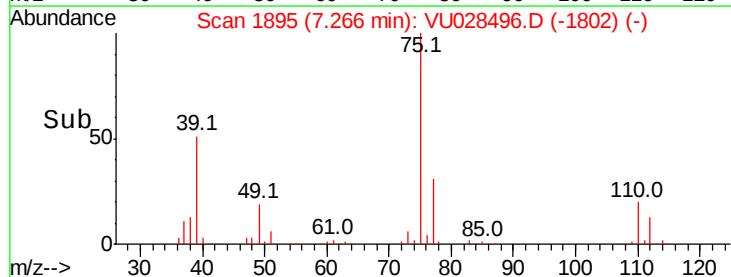
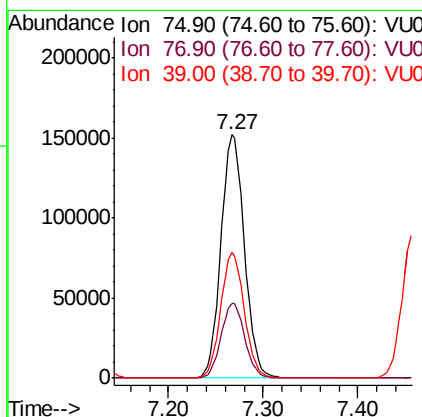
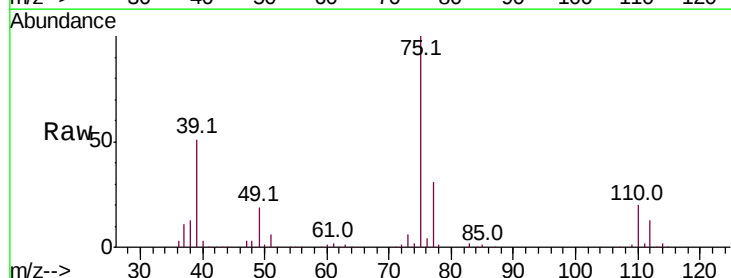
Manual Integrations
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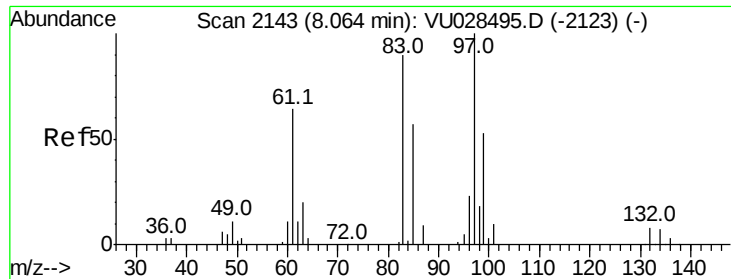
MMDadoda
12/7/2018 10:35:01 AM



#54
cis-1,3-Dichloropropene
Concen: 101.403 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion: 75 Resp: 261905
Ion Ratio Lower Upper
75 100
77 30.7 25.0 37.4
39 51.4 41.3 61.9





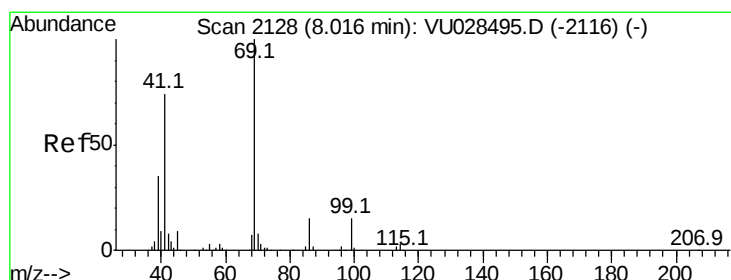
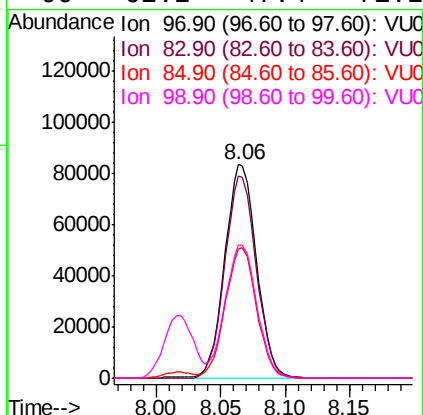
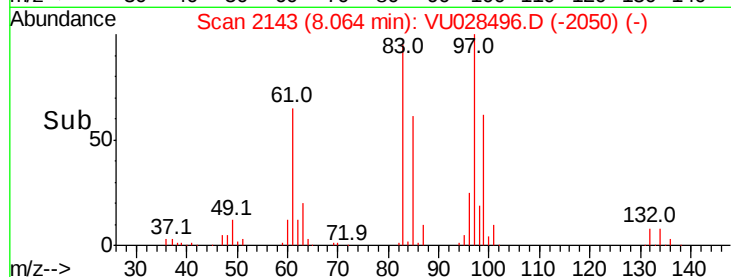
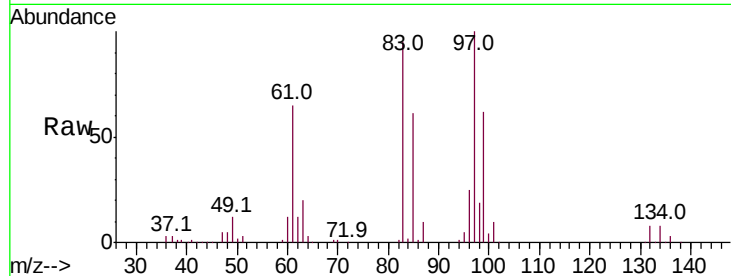
#55
 1,1,2-Trichloroethane
 Concen: 98.857 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	97	Resp	141586
Ion	Ratio	Lower	Upper
97	100		
83	94.9	72.4	108.6
85	60.7	46.0	69.0
99	62.2	47.4	71.2

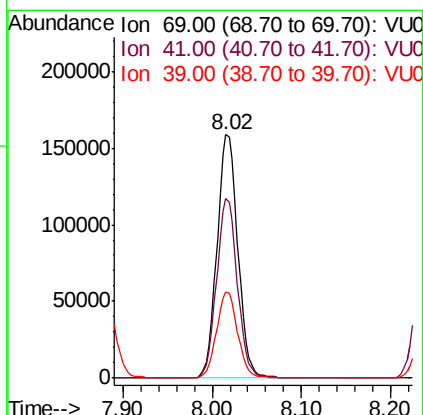
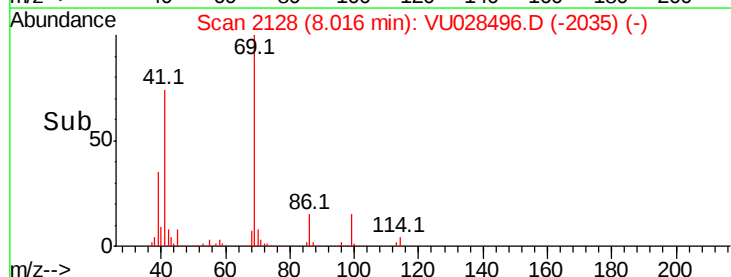
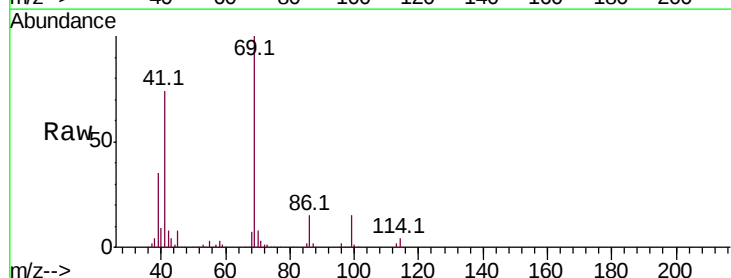
Manual Integrations
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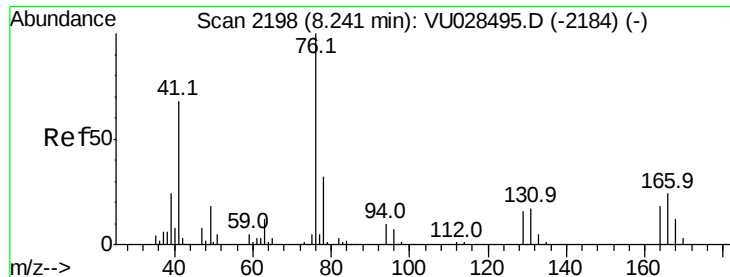
MMDadoda
 12/7/2018 10:35:01 AM



#56
 Ethyl methacrylate
 Concen: 104.782 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Tgt Ion	69	Resp	256990
Ion	Ratio	Lower	Upper
69	100		
41	73.7	59.1	88.7
39	35.5	28.4	42.6





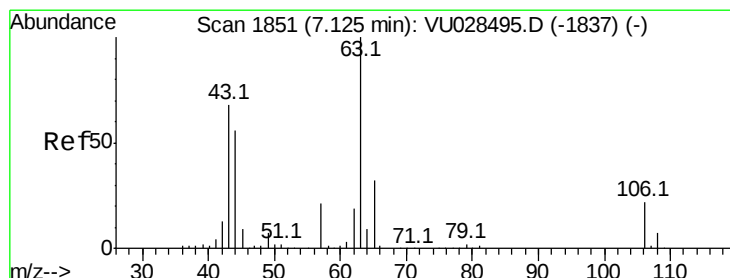
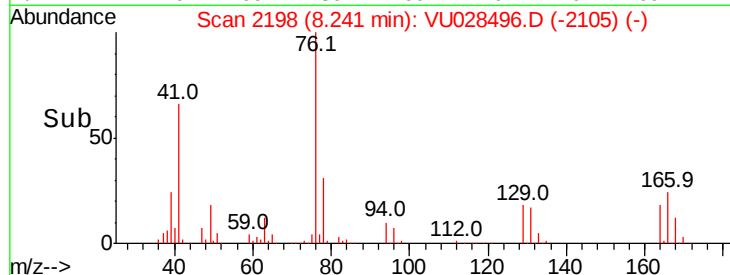
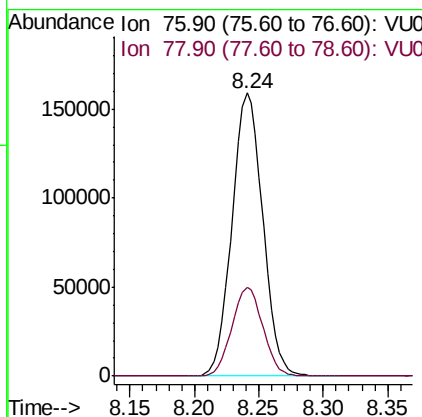
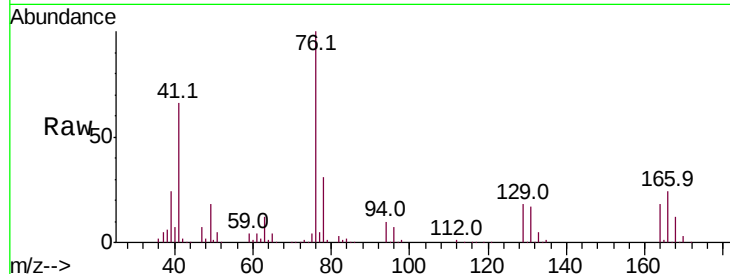
#57
 1,3-Dichloropropane
 Concen: 99.241 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 263848
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.2 37.8

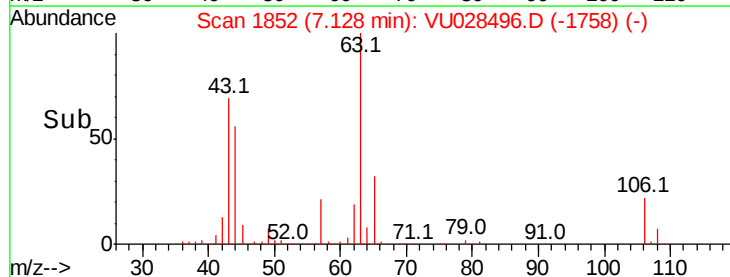
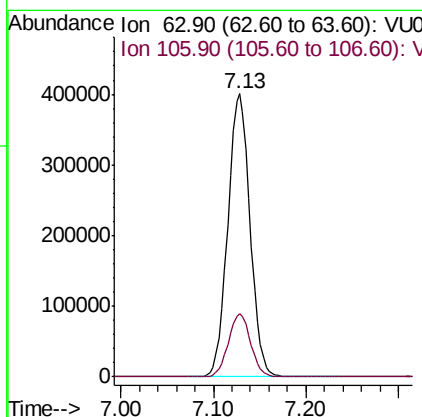
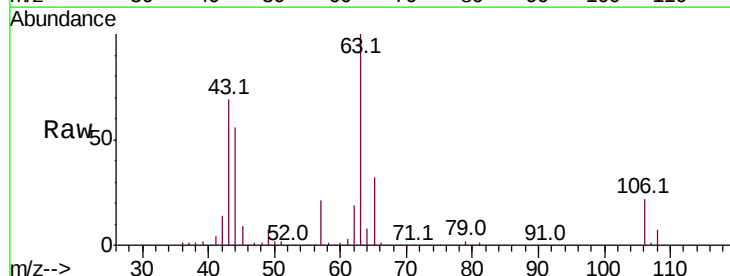
Manual Integrations
 APPROVED

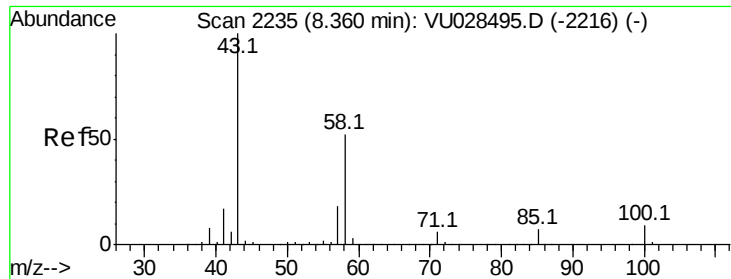
MMDadoda
 12/7/2018 10:35:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 528.572 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Tgt Ion: 63 Resp: 664013
 Ion Ratio Lower Upper
 63 100
 106 22.3 17.8 26.6





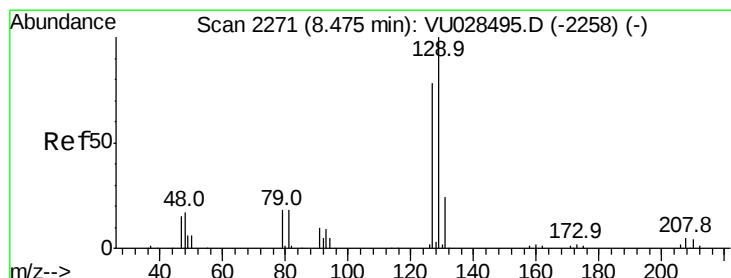
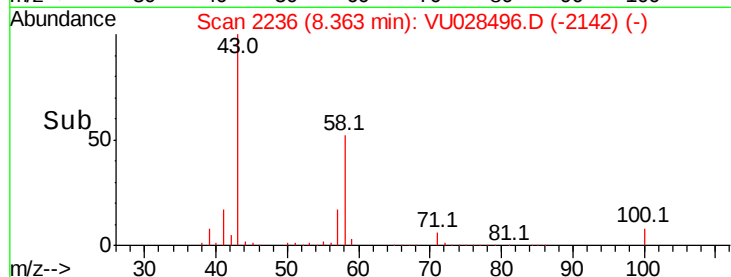
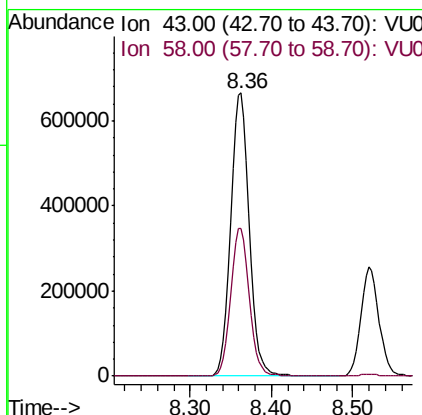
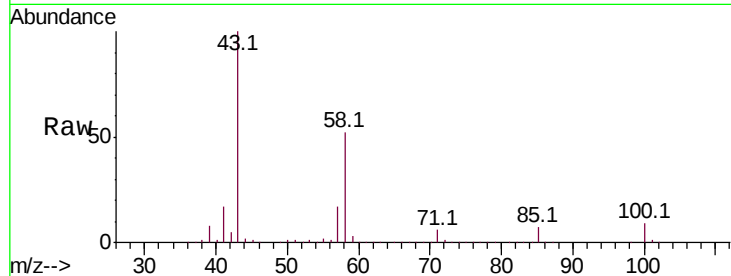
#59
2-Hexanone
Concen: 501.853 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1072265
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.6

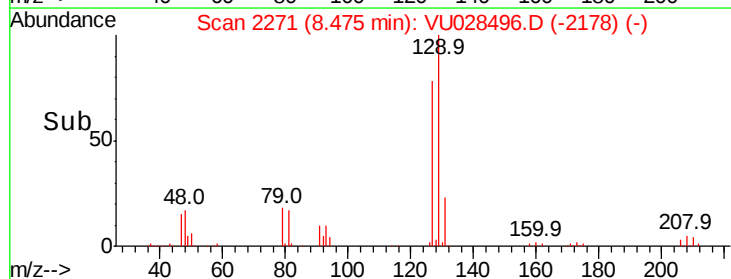
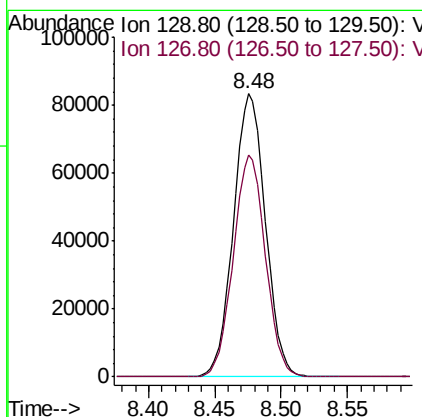
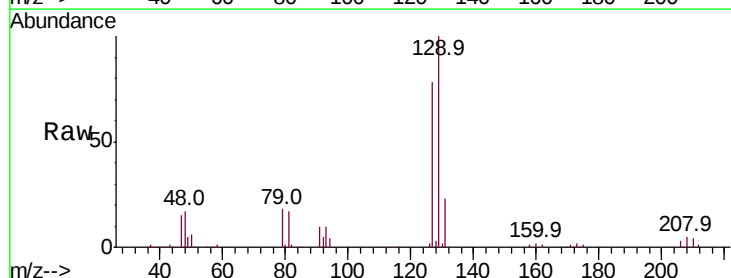
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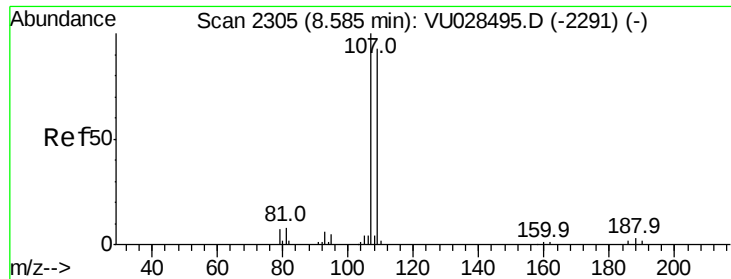
MMDadoda
12/7/2018 10:35:01 AM



#60
Dibromochloromethane
Concen: 99.514 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion: 129 Resp: 139542
Ion Ratio Lower Upper
129 100
127 78.6 39.1 117.3





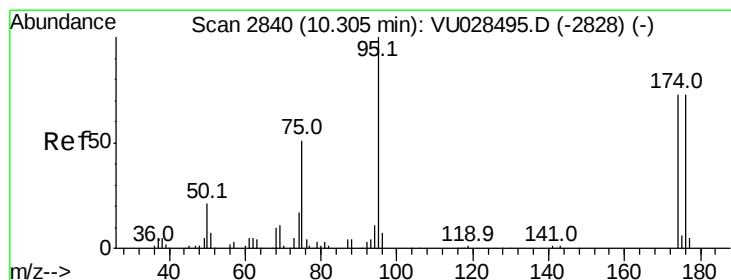
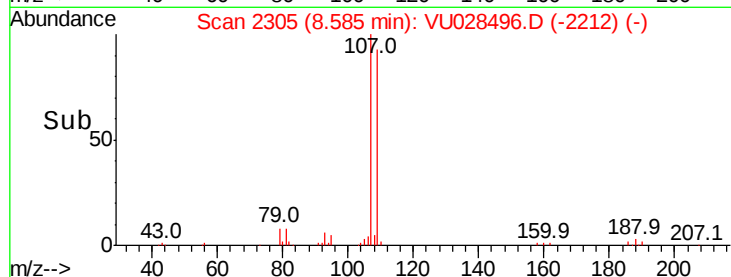
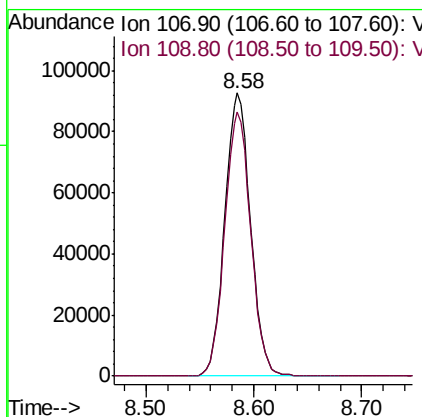
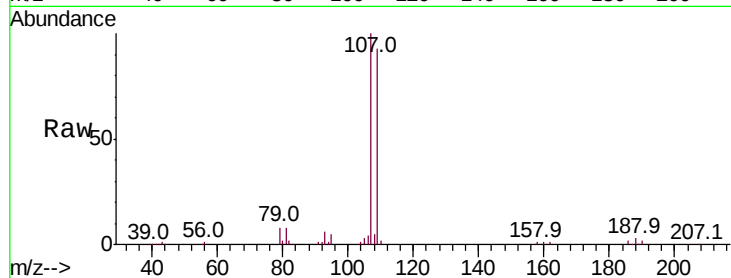
#61
 1,2-Dibromoethane
 Concen: 102.432 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.5	111.7

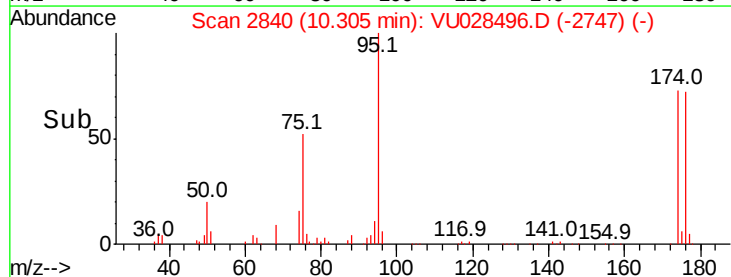
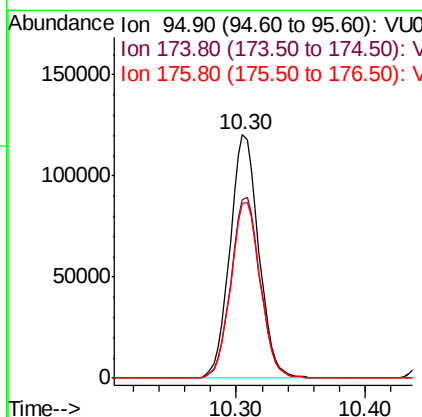
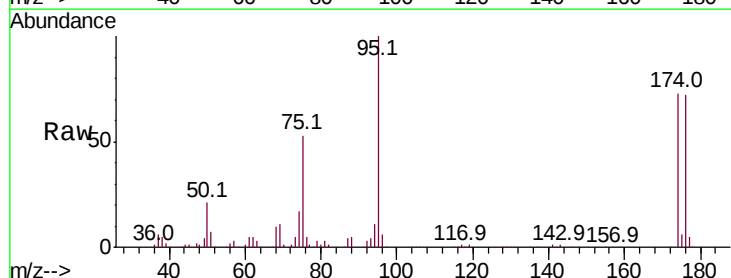
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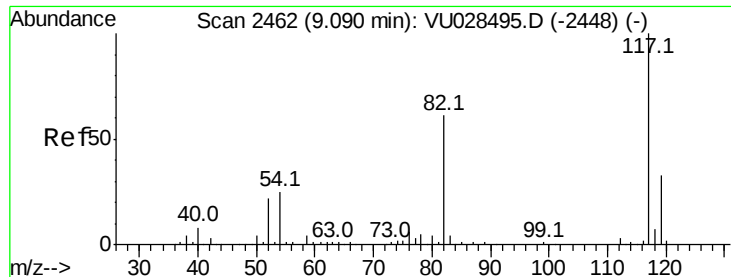
MMDadoda
 12/7/2018 10:35:01 AM



#62
 4-Bromofluorobenzene
 Concen: 104.697 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	150.4
176	73.7	0.0	145.2





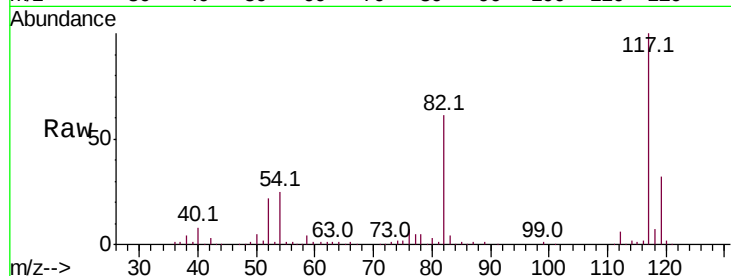
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	48.9	73.3
119	32.2	26.2	39.4

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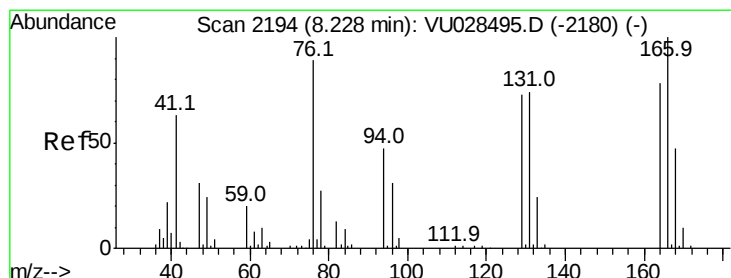
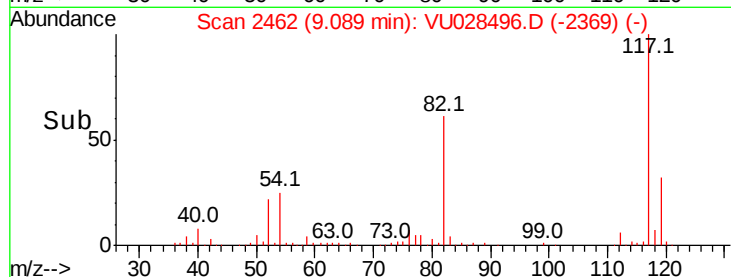
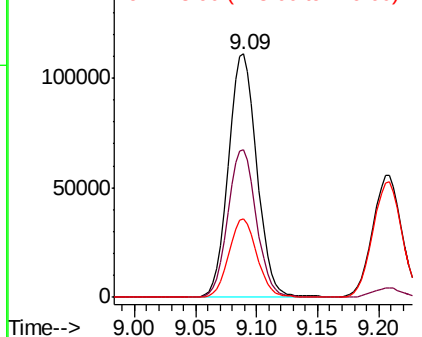


Abundance

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: 94.649 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.9	152.9
129	96.0	74.9	112.3
131	93.2	75.4	113.0

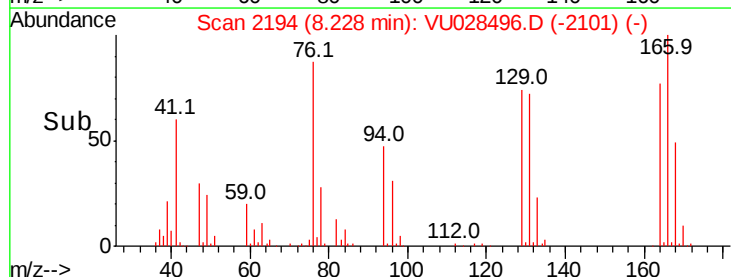
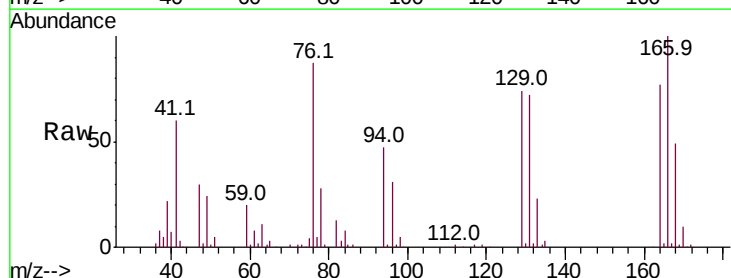
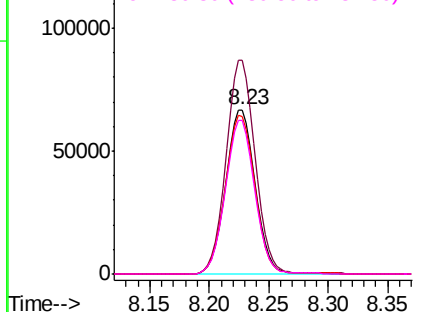
Abundance

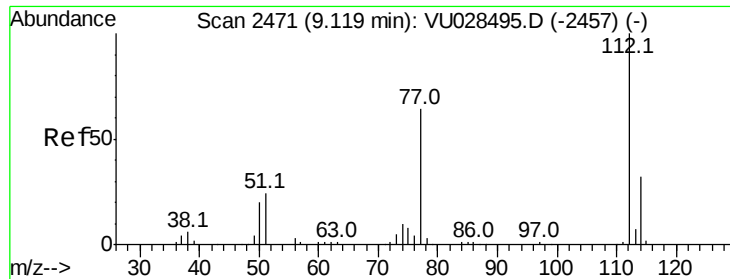
Ion 163.80 (163.50 to 164.50): V

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





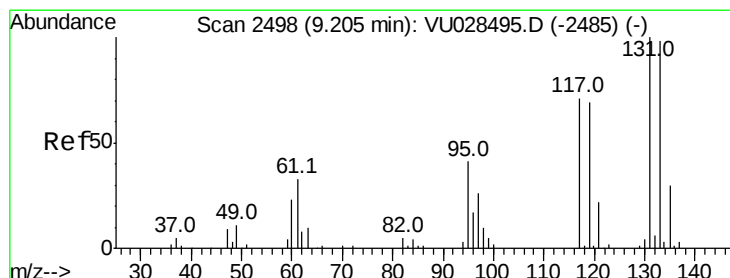
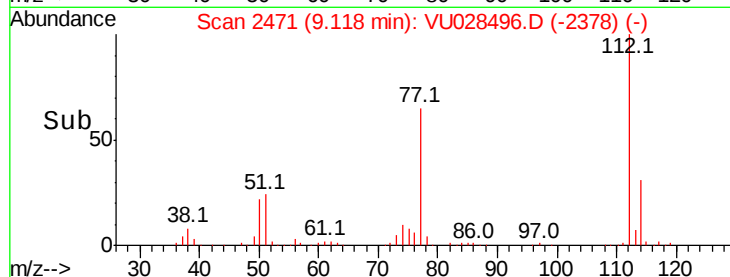
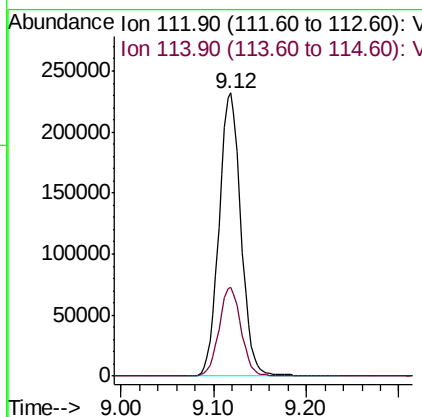
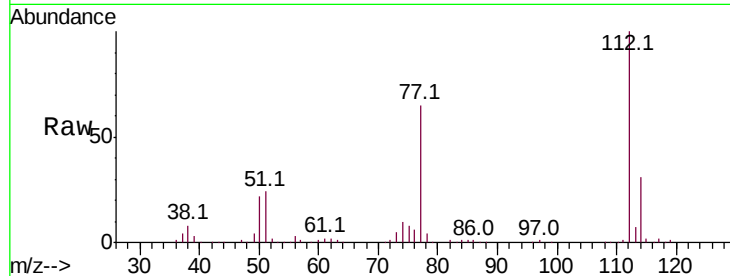
#65
Chlorobenzene
Concen: 98.141 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 380214
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9

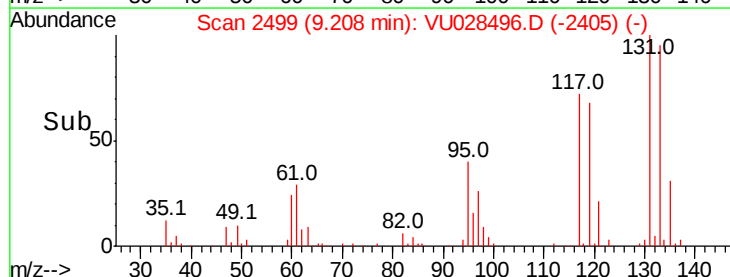
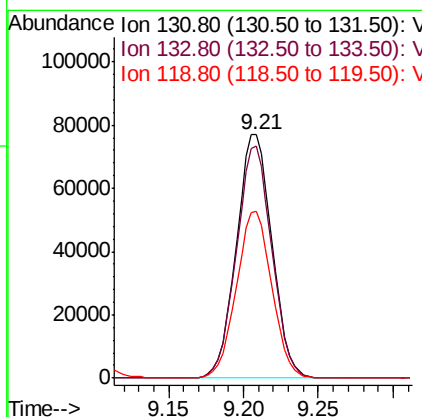
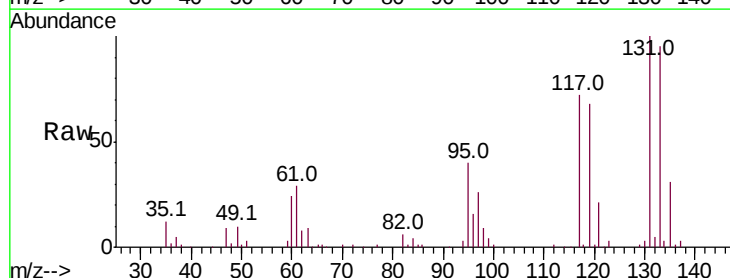
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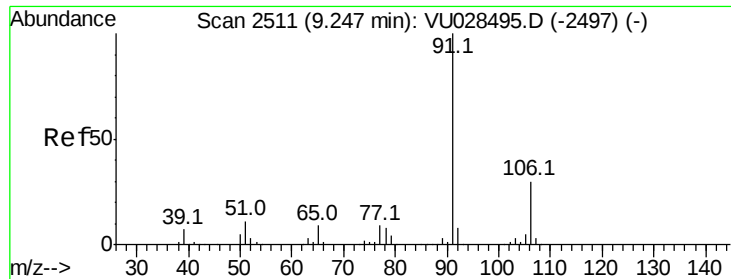
MMDadoda
12/7/2018 10:35:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 103.076 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion:131 Resp: 127520
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.0
119 68.2 34.6 103.9





#67

Ethyl Benzene

Concen: 100.178 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 713457

Ion Ratio Lower Upper

91 100

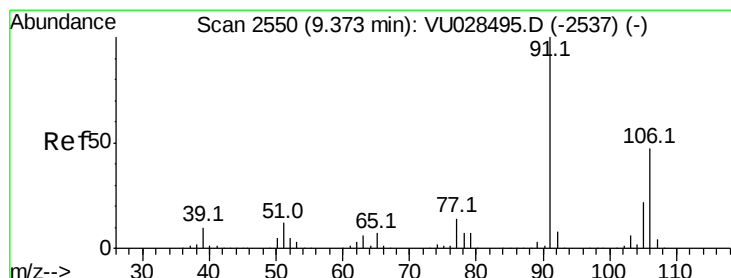
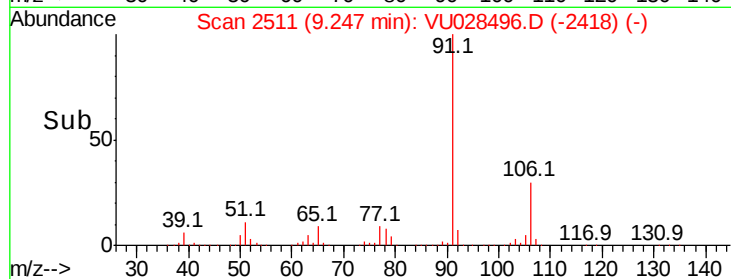
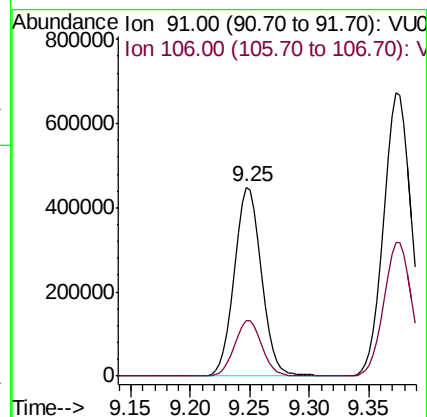
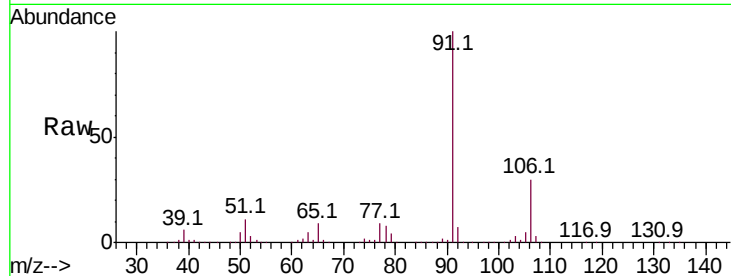
106 29.6 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 201.774 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028496.D

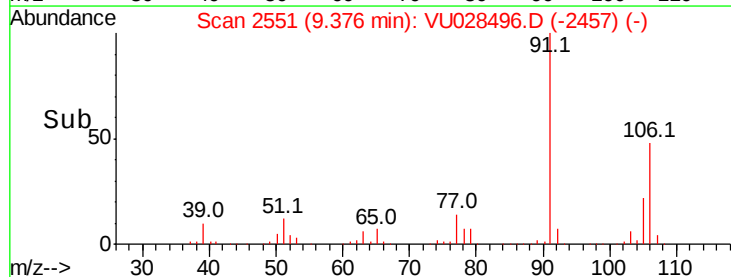
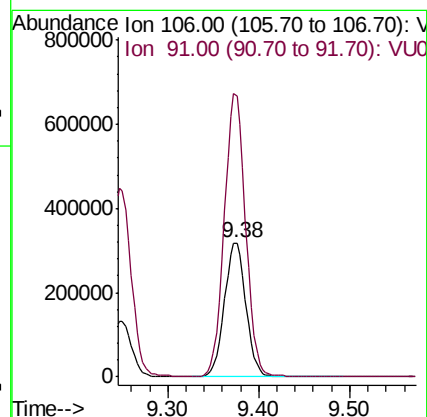
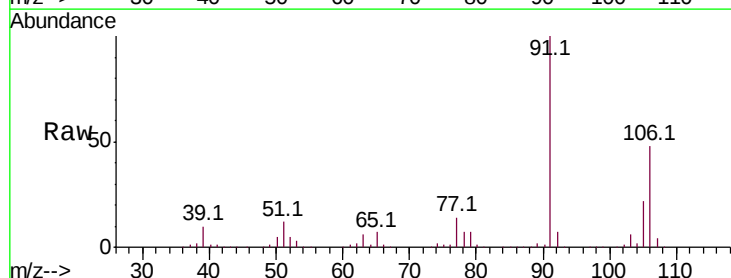
Acq: 06 Dec 2018 12:56

Tgt Ion: 106 Resp: 522893

Ion Ratio Lower Upper

106 100

91 209.9 167.4 251.0





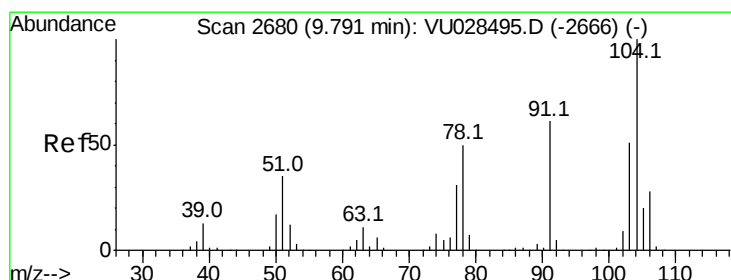
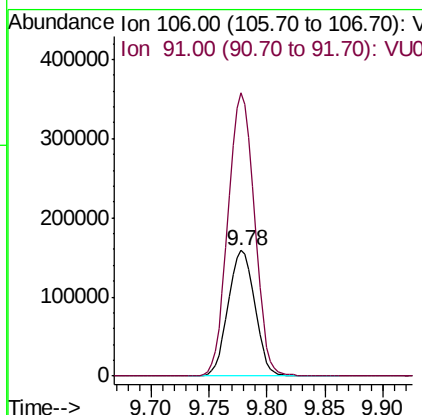
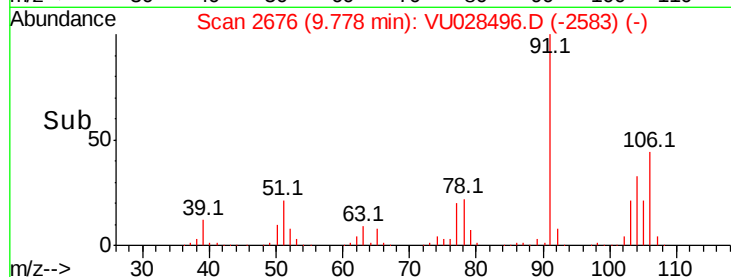
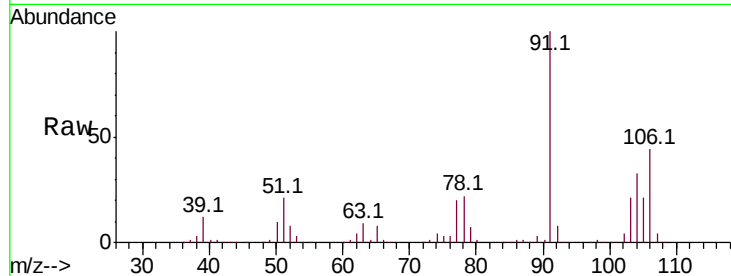
#69
o-Xylene
Concen: 100.367 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 252764
Ion Ratio Lower Upper
106 100
91 223.1 111.3 334.0

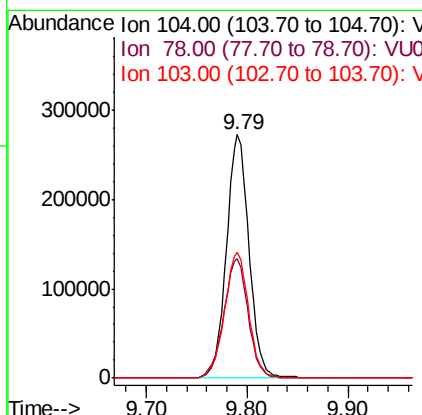
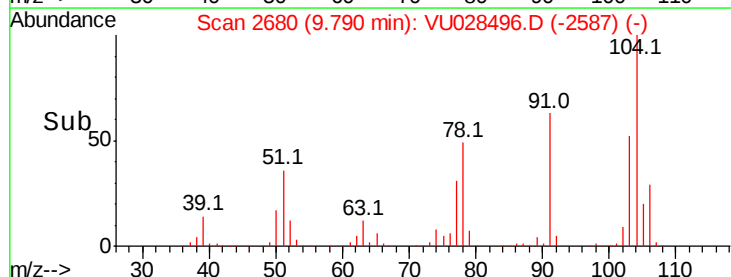
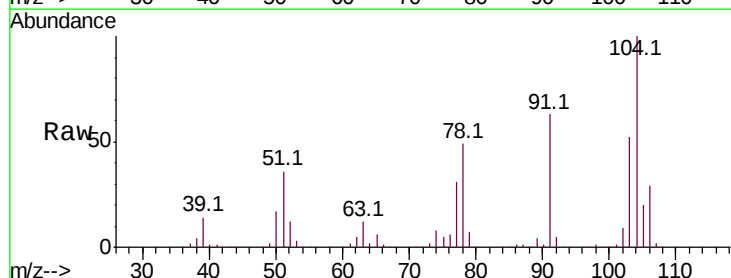
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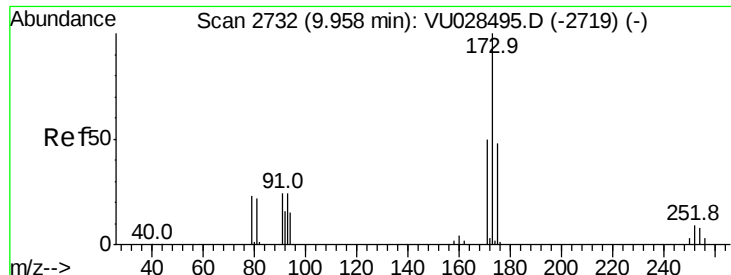
MMDadoda
12/7/2018 10:35:01 AM



#70
Styrene
Concen: 102.196 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion:104 Resp: 425927
Ion Ratio Lower Upper
104 100
78 53.2 43.0 64.6
103 55.3 44.2 66.4





#71

Bromoform

Concen: 104.289 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 109756

Ion Ratio Lower Upper

173 100

175 48.6 23.9 71.8

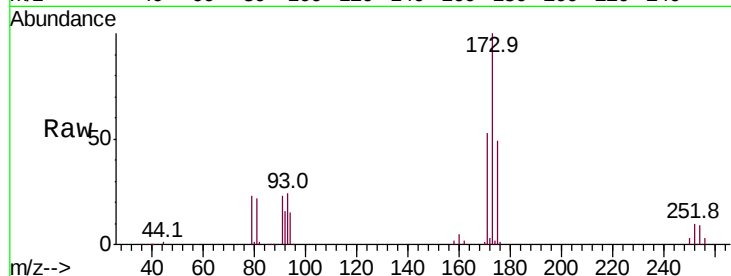
254 0.1 0.0 0.0#

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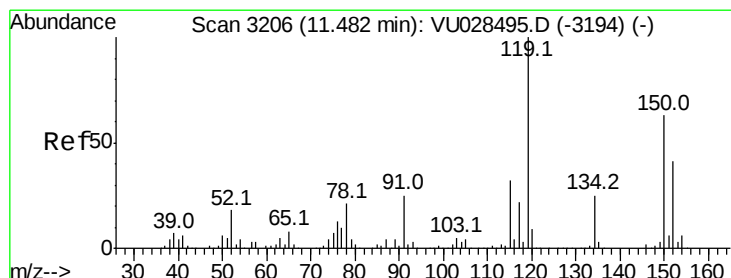
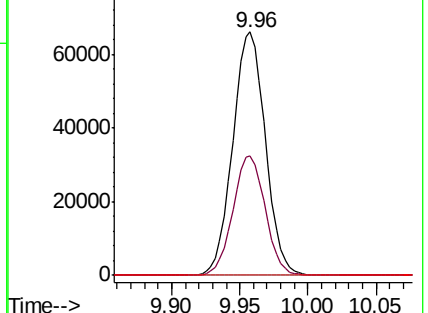
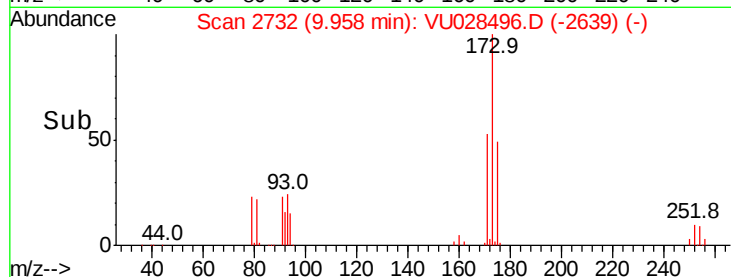
12/7/2018 10:35:01 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

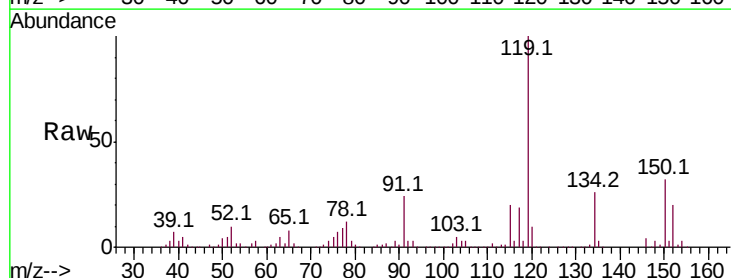
Tgt Ion:152 Resp: 92706

Ion Ratio Lower Upper

152 100

115 109.5 42.7 128.1

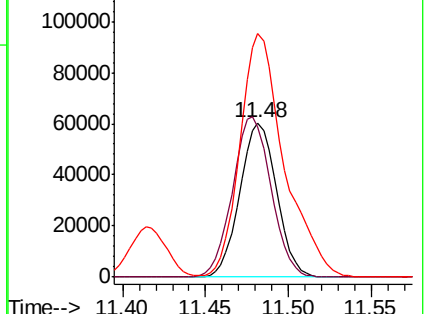
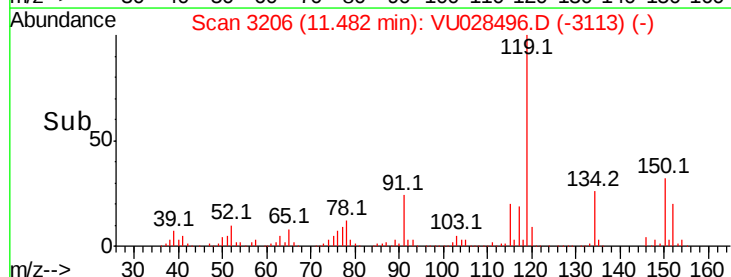
150 190.4 0.0 346.0

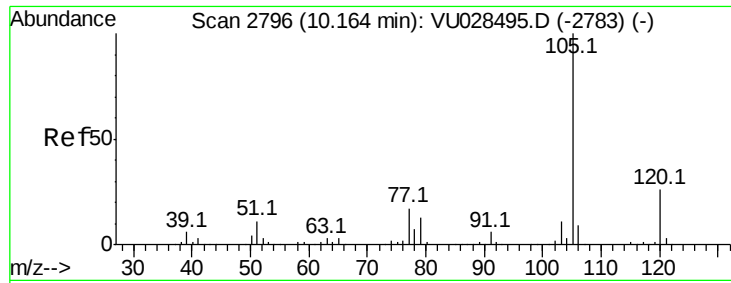


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





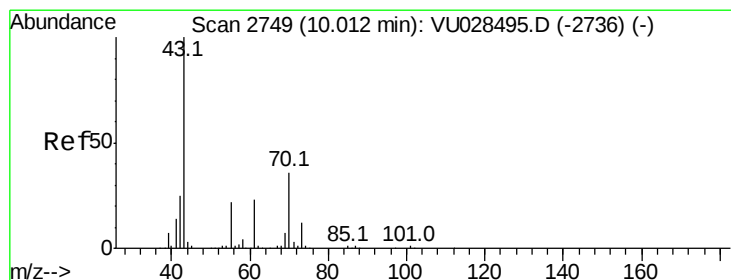
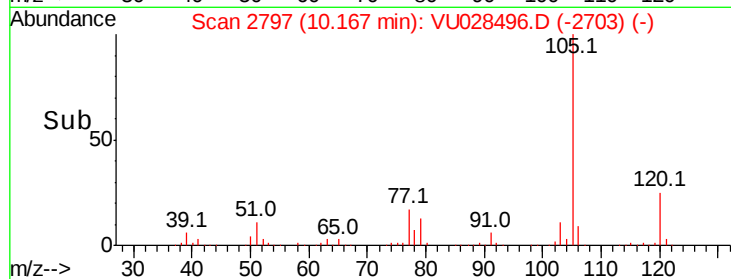
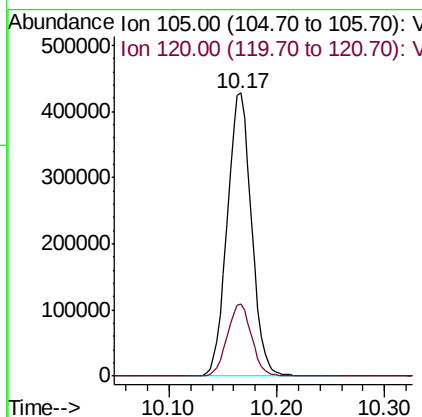
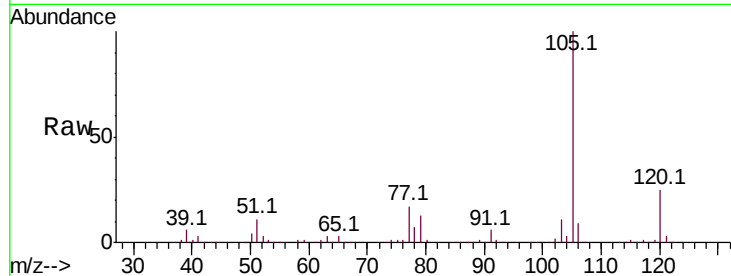
#73
Isopropylbenzene
Concen: 94.441 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.6

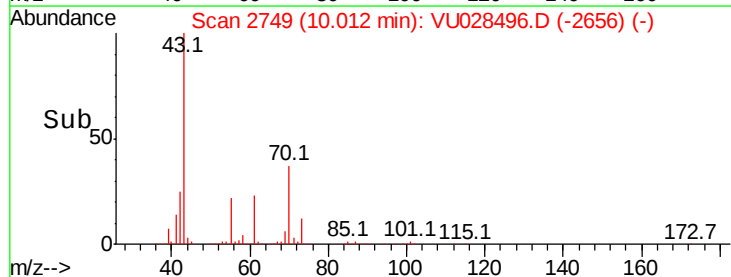
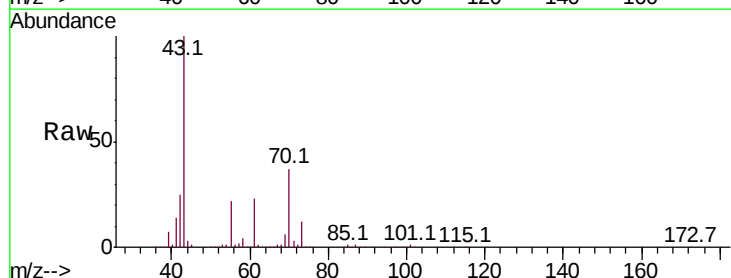
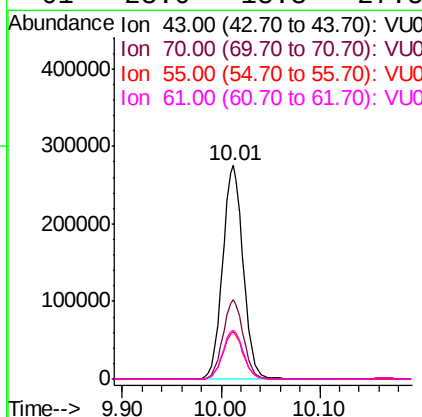
Manual Integrations
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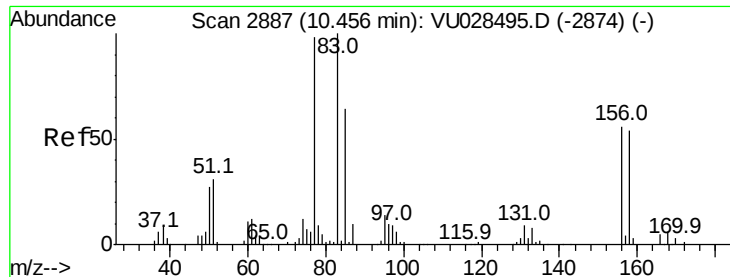
MMDadoda
12/7/2018 10:35:01 AM



#74
N-ethyl acetate
Concen: 97.959 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.9	29.3	43.9
55	22.1	18.0	27.0
61	23.0	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 96.551 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 263841

Ion Ratio Lower Upper

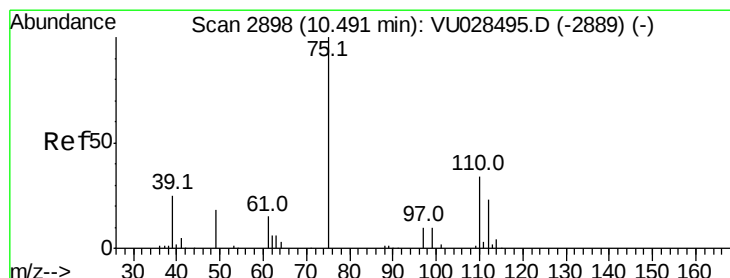
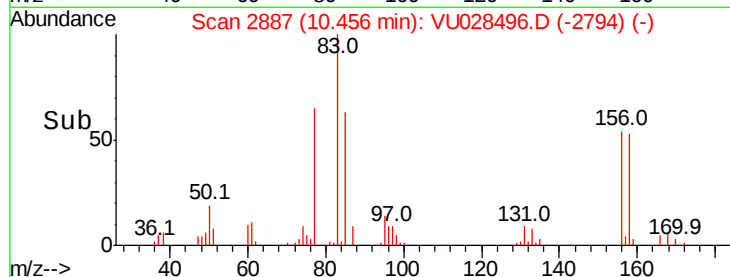
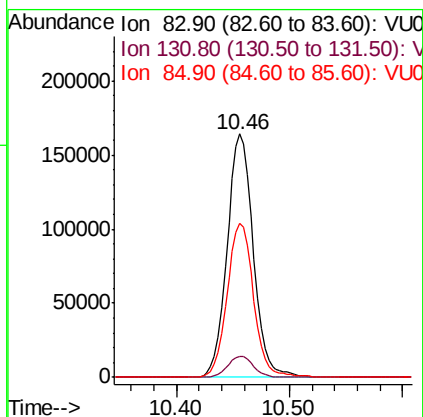
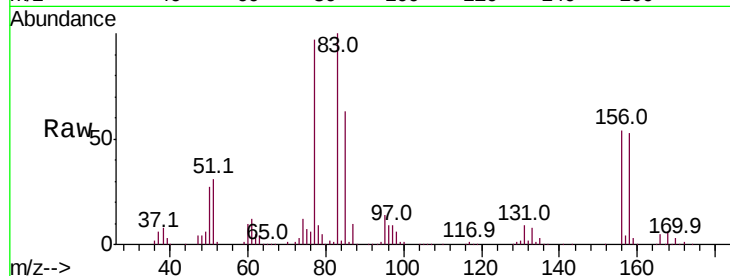
83 100

131 8.4 4.2 12.4

85 64.1 31.8 95.4

Manual Integrations
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12/7/2018 10:35:01 AM



#76

1,2,3-Trichloropropane

Concen: 80.819 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028496.D

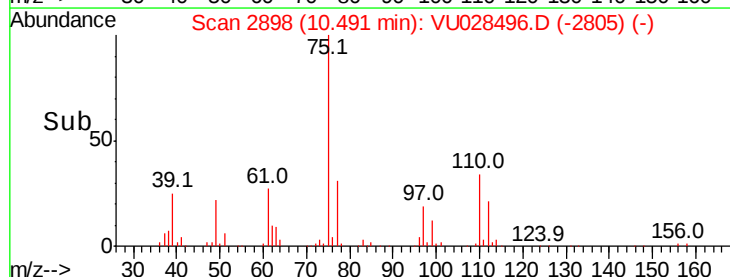
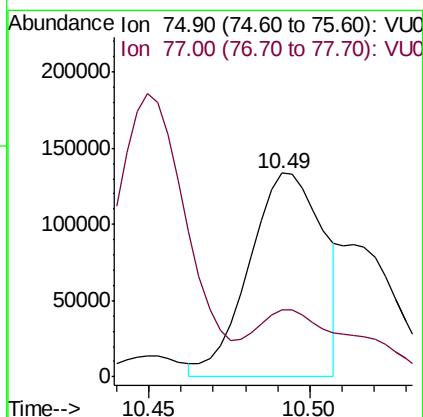
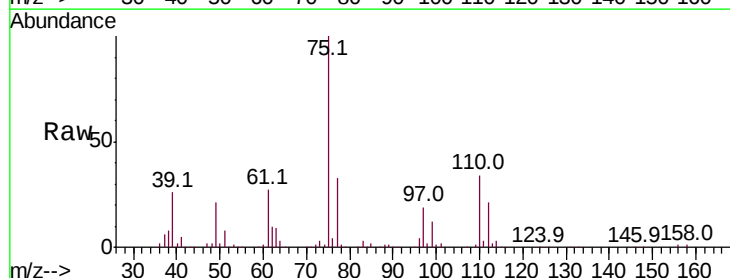
Acq: 06 Dec 2018 12:56

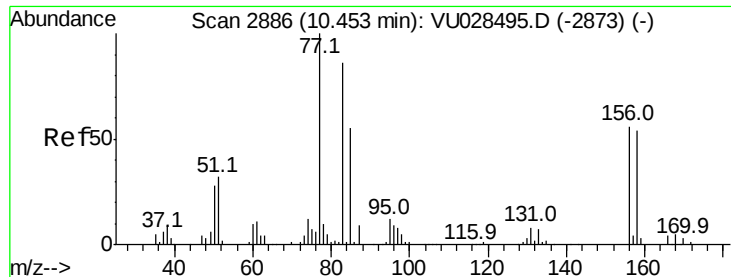
Tgt Ion: 75 Resp: 216152

Ion Ratio Lower Upper

75 100

77 44.7 20.8 62.4





#77

Bromobenzene

Concen: 95.632 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

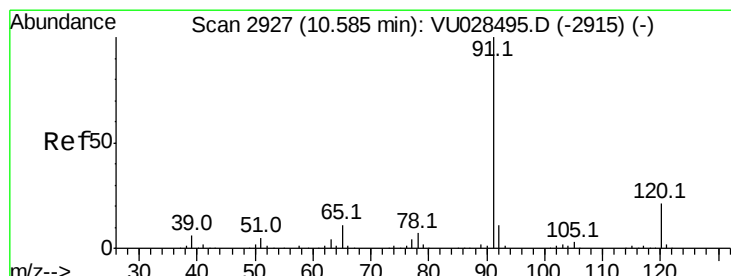
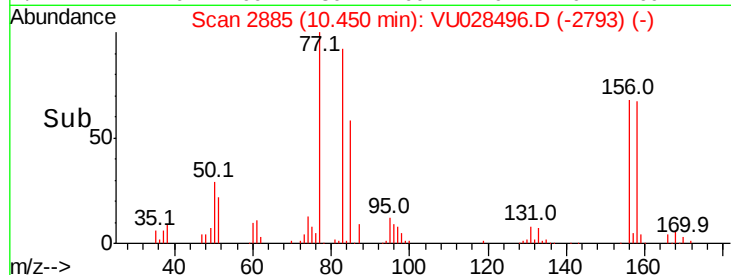
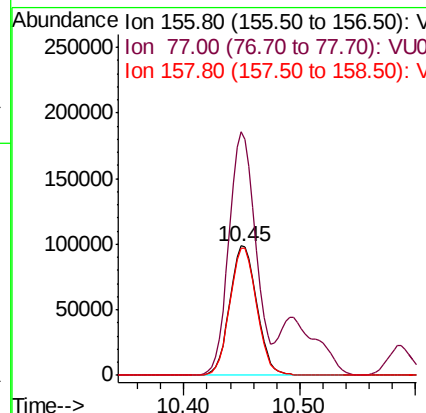
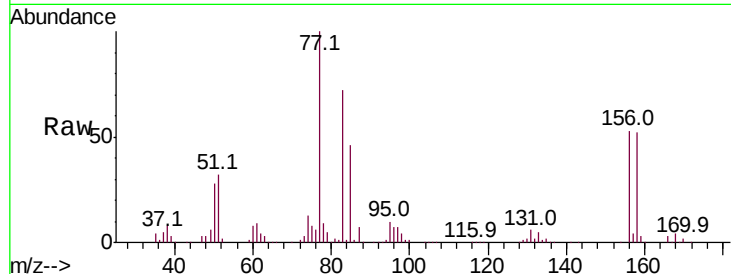
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	159103
Ion Ratio	Lower	Upper	
156	100		
77	184.9	92.4	277.2
158	97.4	48.4	145.3

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#78

n-propylbenzene

Concen: 96.453 ug/l

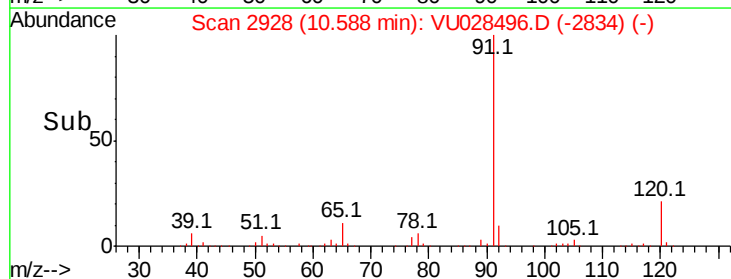
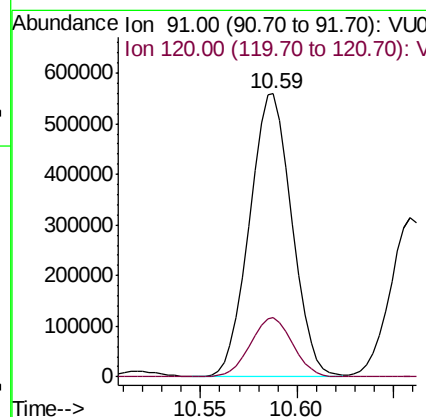
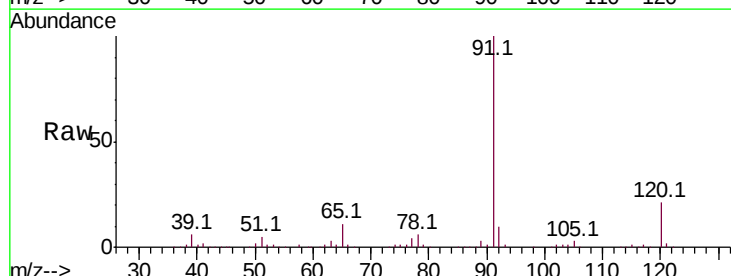
RT: 10.59 min Scan# 2928

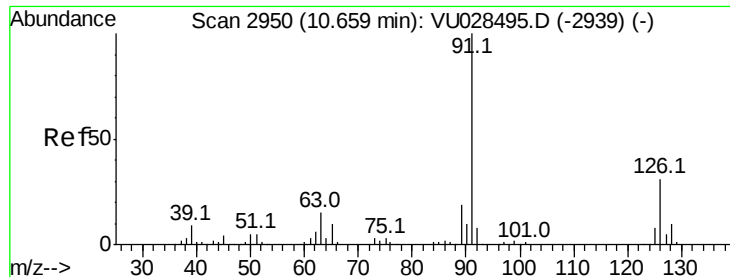
Delta R.T. 0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Tgt Ion:	91	Resp:	852583
Ion Ratio	Lower	Upper	
91	100		
120	20.9	10.6	31.8





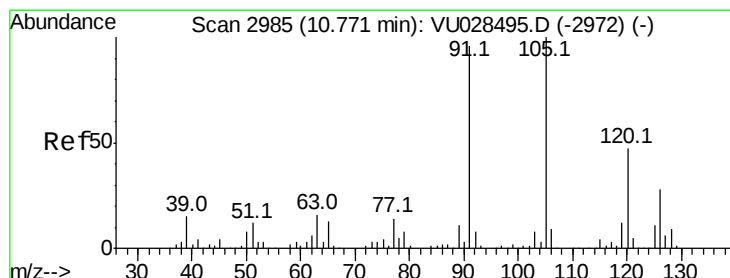
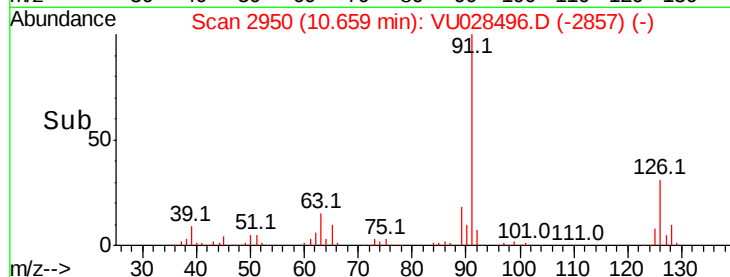
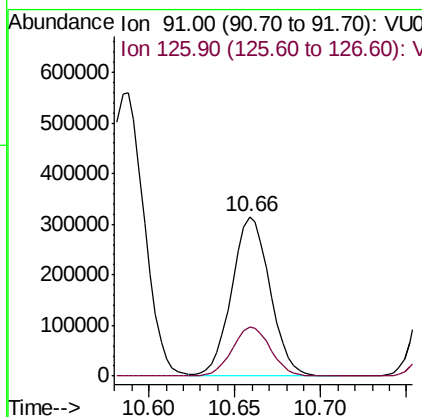
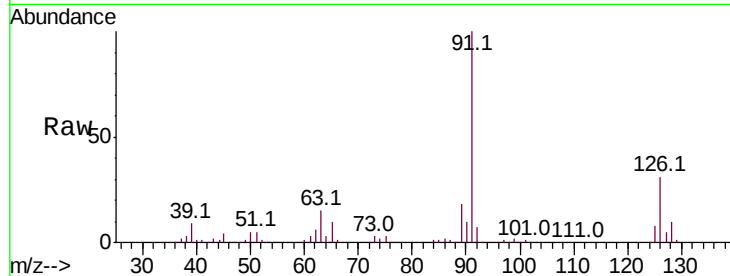
#79
 2-Chlorotoluene
 Concen: 95.427 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 485886
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.6 46.8

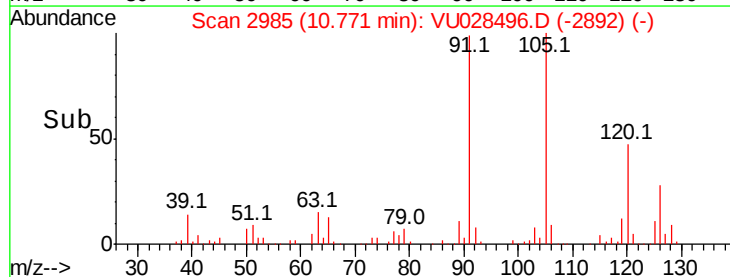
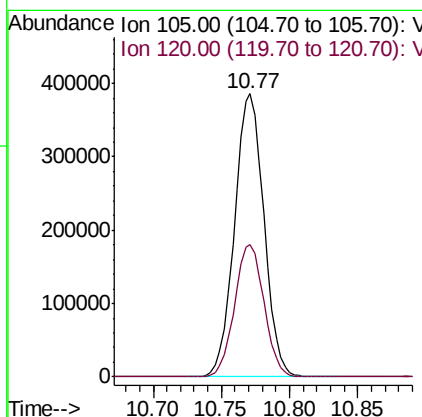
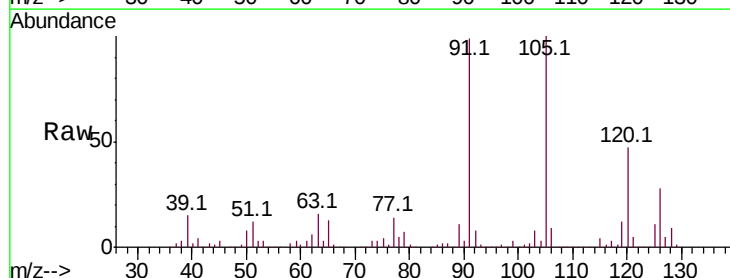
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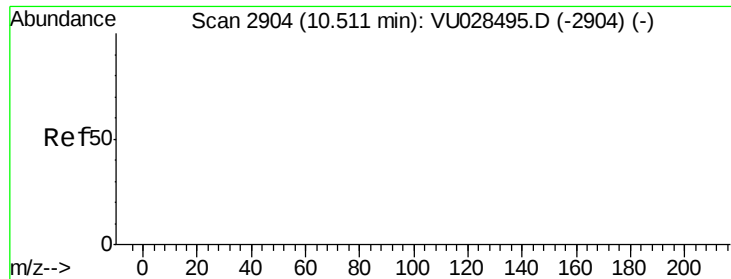
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#80
 1,3,5-Trimethylbenzene
 Concen: 97.806 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Tgt Ion: 105 Resp: 575929
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 79.594 ug/l

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028496.D

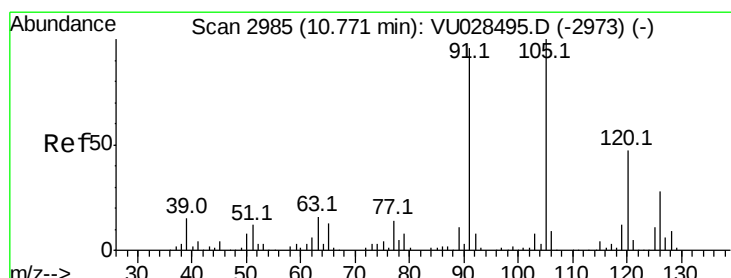
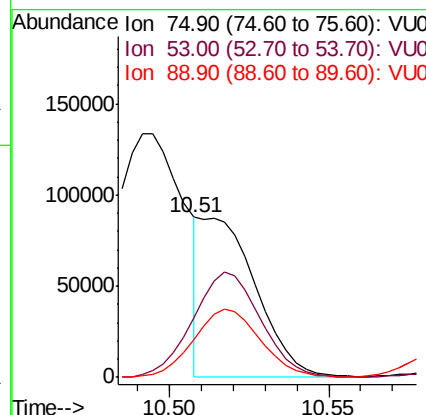
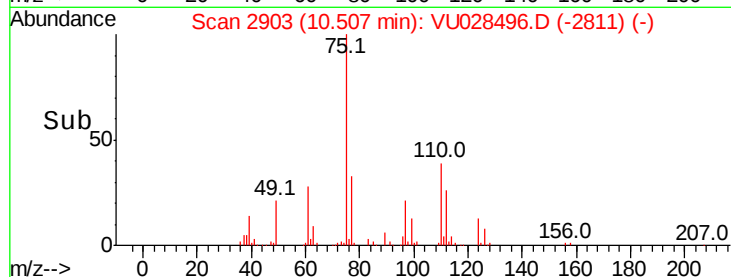
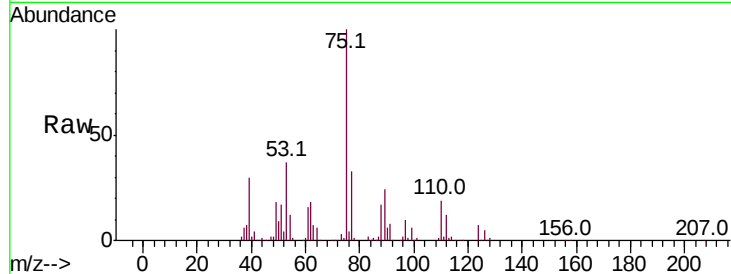
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

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: 95.680 ug/l

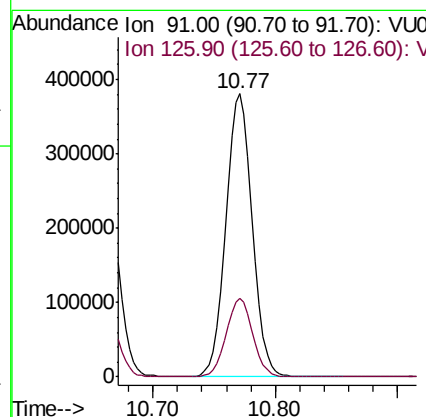
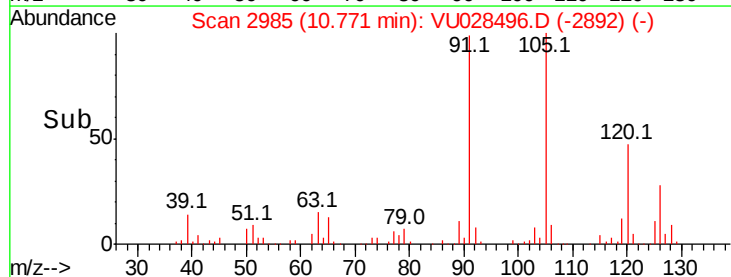
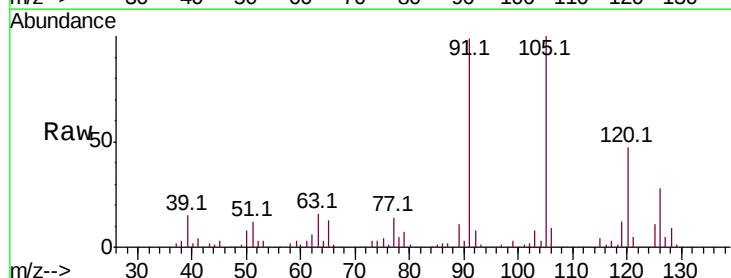
RT: 10.77 min Scan# 2985

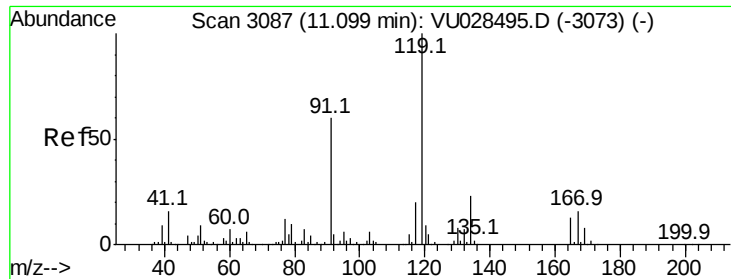
Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.3





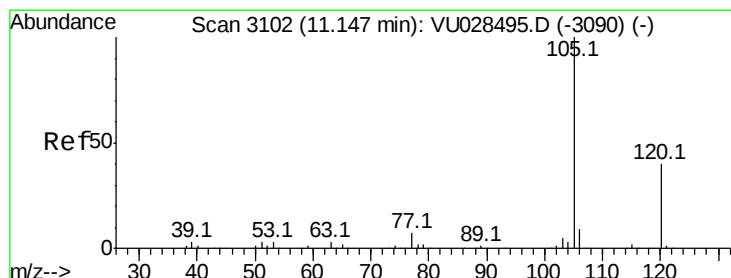
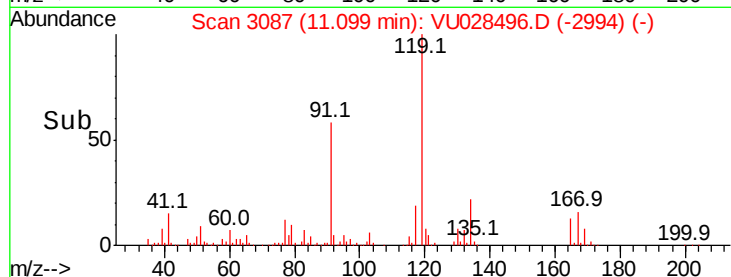
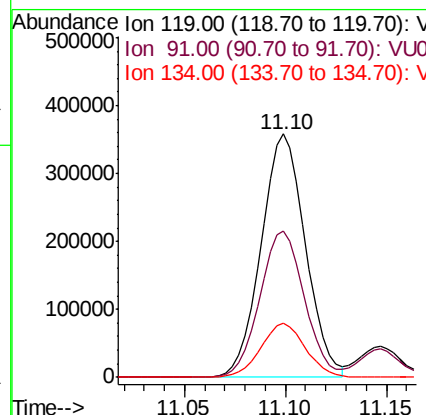
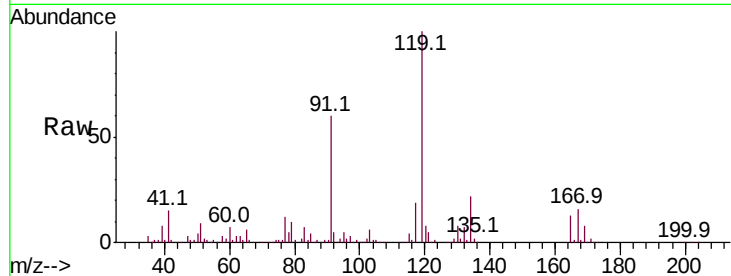
#83
tert-Butylbenzene
Concen: 96.567 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	548084		
91	60.8	30.3	91.0	
134	22.2	11.2	33.5	

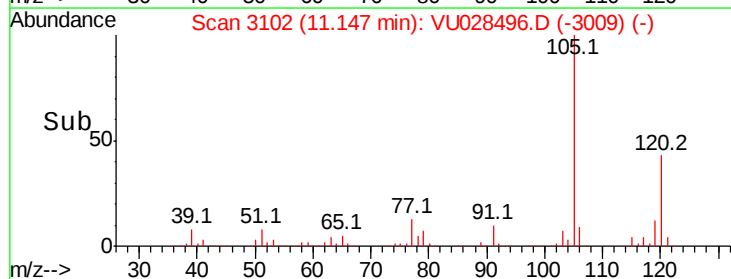
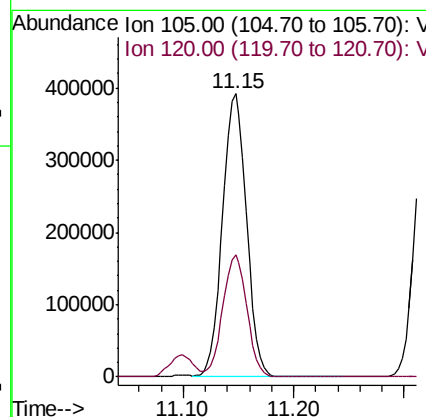
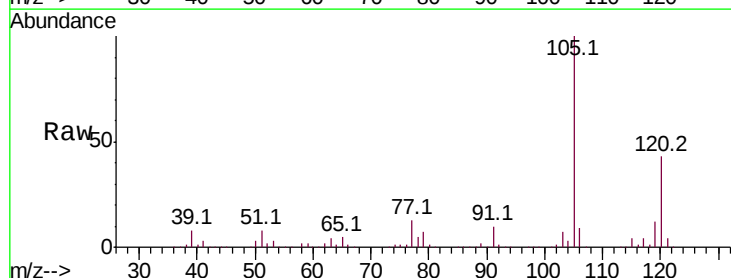
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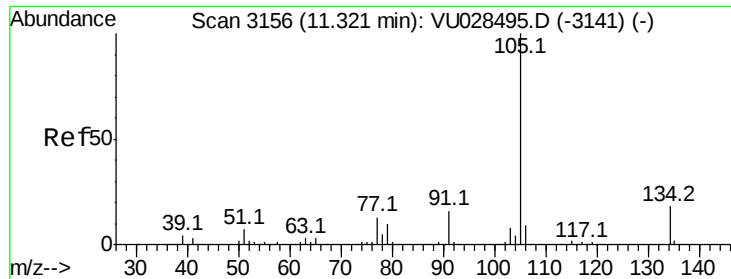
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#84
1,2,4-Trimethylbenzene
Concen: 97.461 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	591449		
120	43.3	21.8	65.4	





#85

sec-Butylbenzene

Concen: 97.046 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 707603

Ion Ratio Lower Upper

105 100

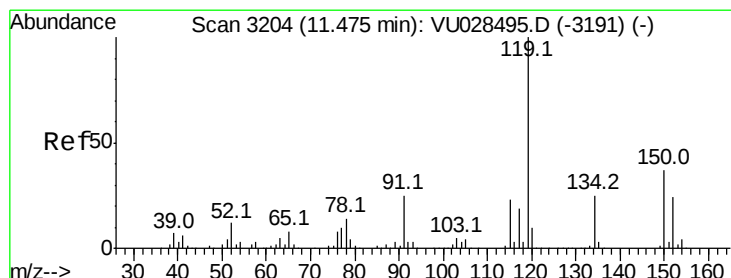
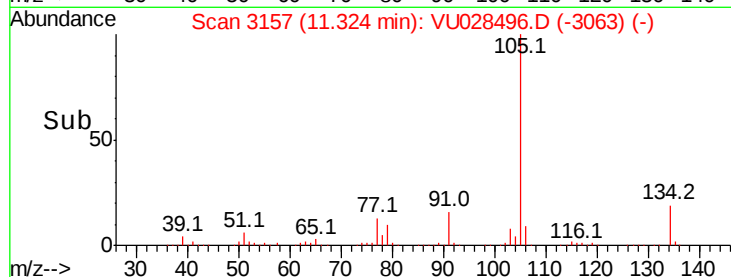
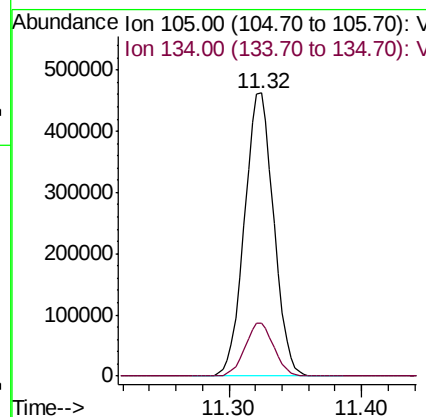
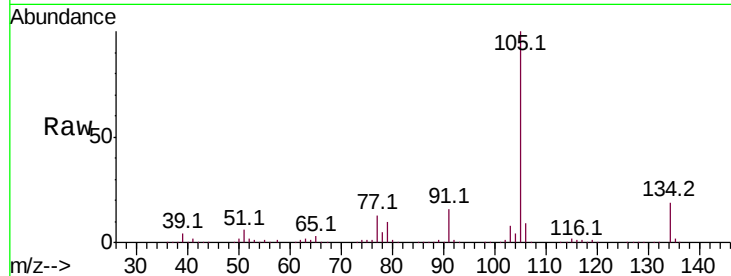
134 18.5 9.2 27.6

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#86

p-Isopropyltoluene

Concen: 96.988 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028496.D

Acq: 06 Dec 2018 12:56

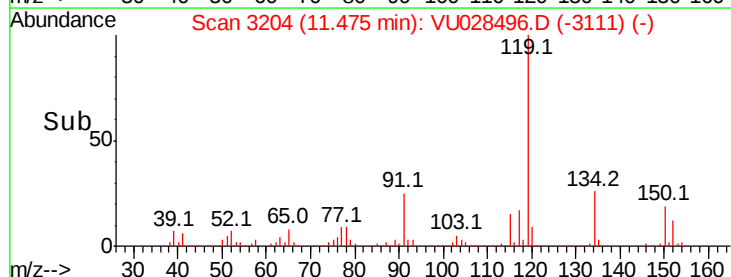
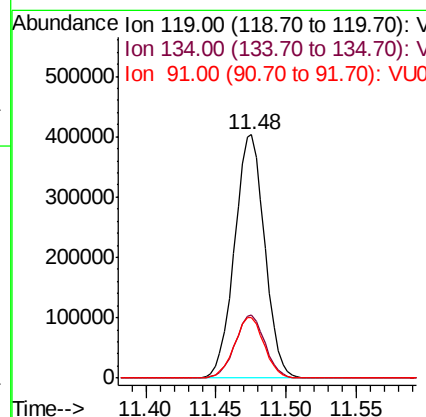
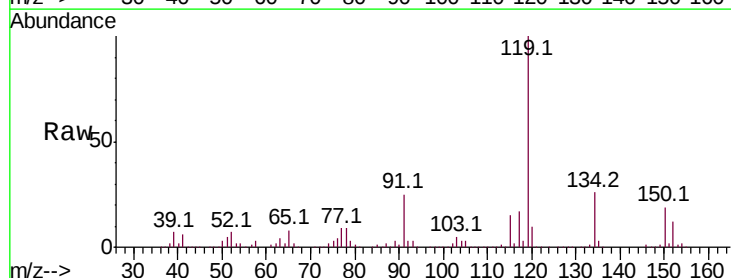
Tgt Ion:119 Resp: 600722

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 24.8 12.6 37.6





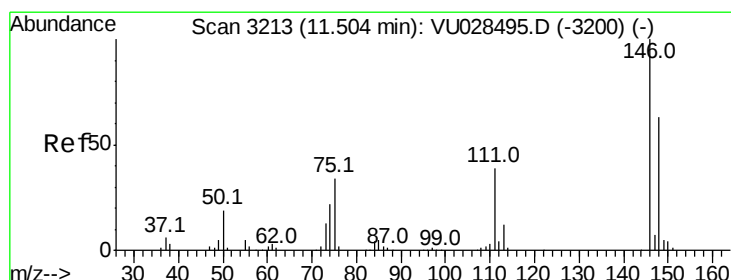
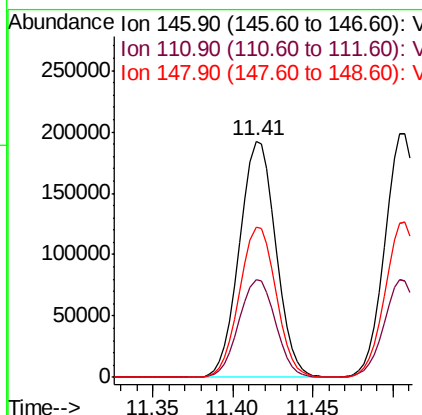
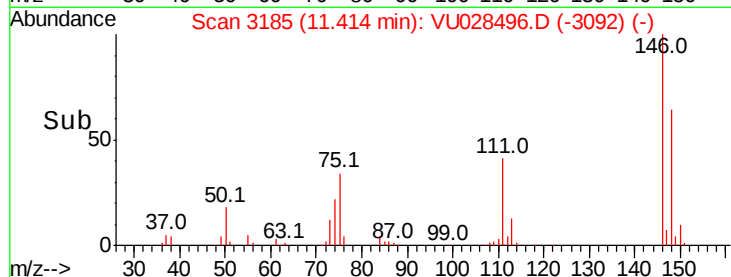
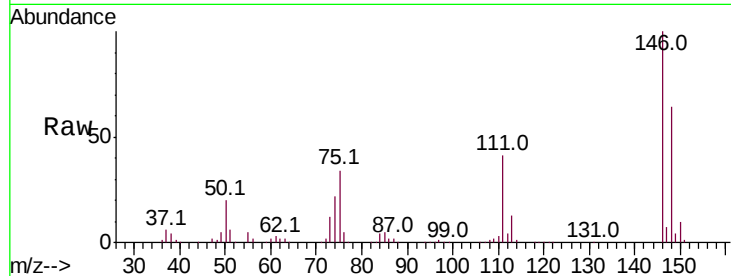
#87
 1,3-Dichlorobenzene
 Concen: 94.860 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.7	62.1
148	64.2	31.9	95.7

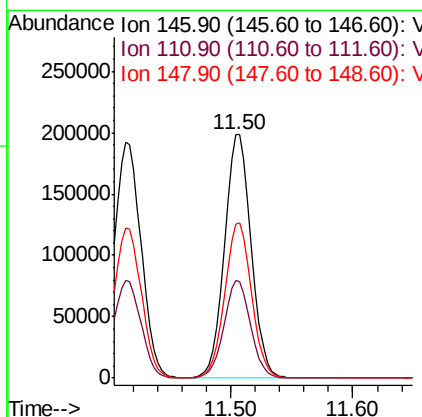
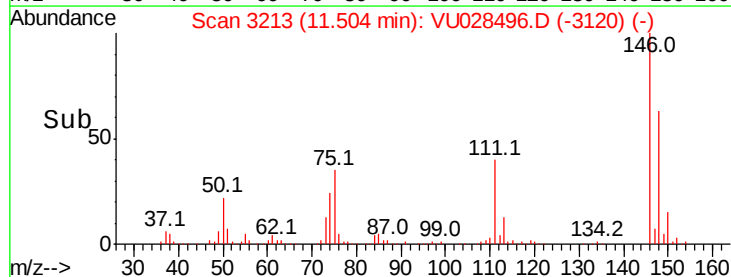
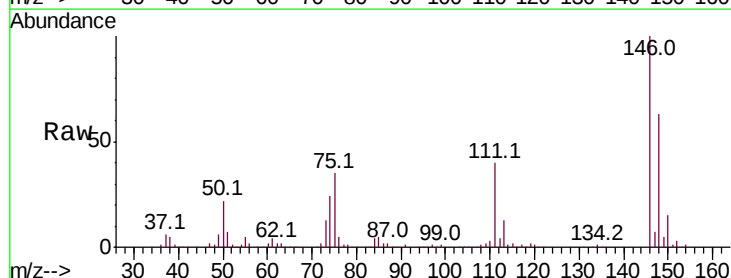
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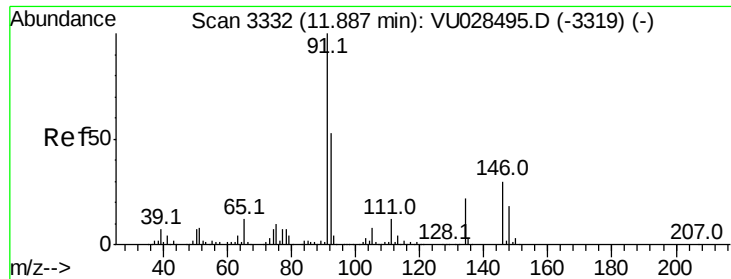
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#88
 1,4-Dichlorobenzene
 Concen: 93.680 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.2	60.5
148	64.0	31.6	95.0





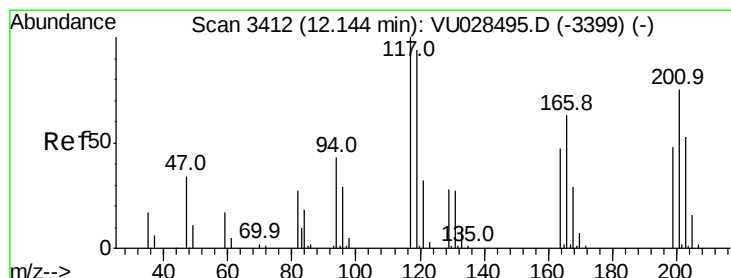
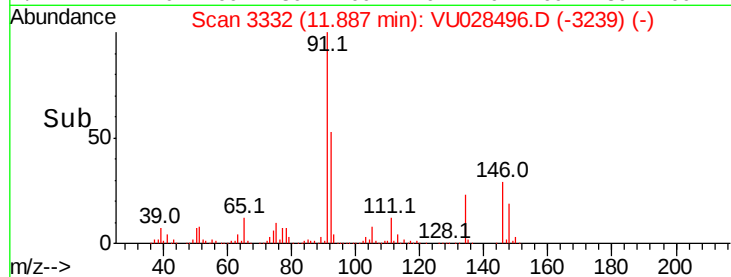
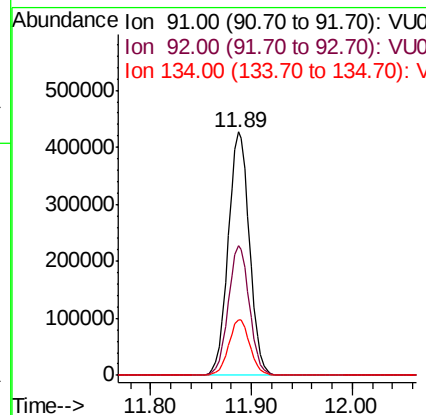
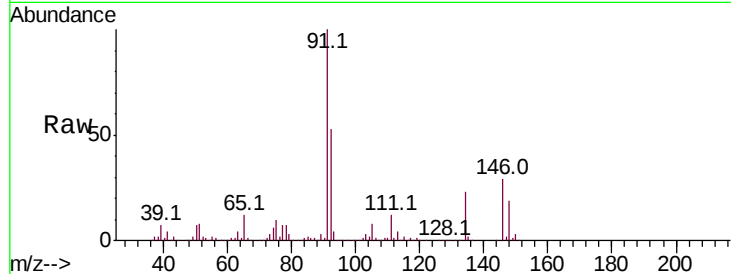
#89
n-Butylbenzene
Concen: 100.178 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.9
134	22.8	11.3	33.8

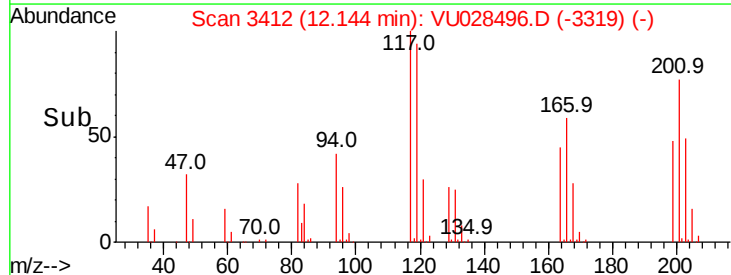
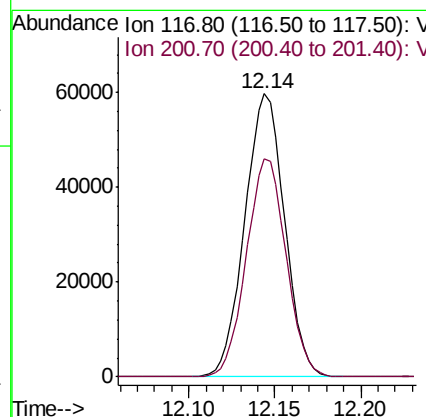
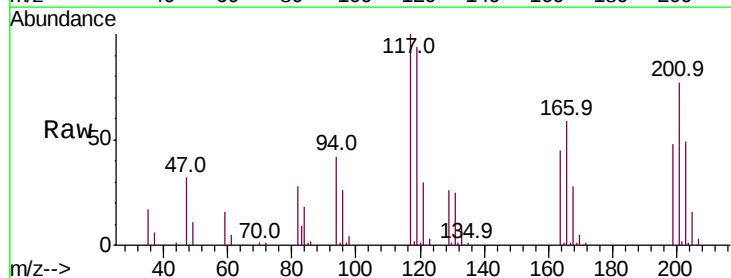
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#90
Hexachloroethane
Concen: 102.270 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	38.1	114.5





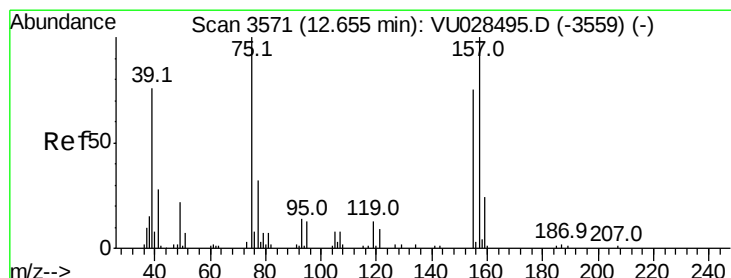
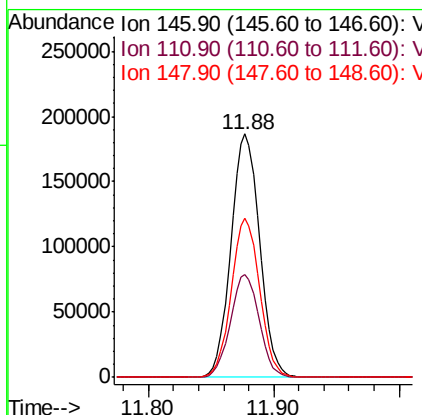
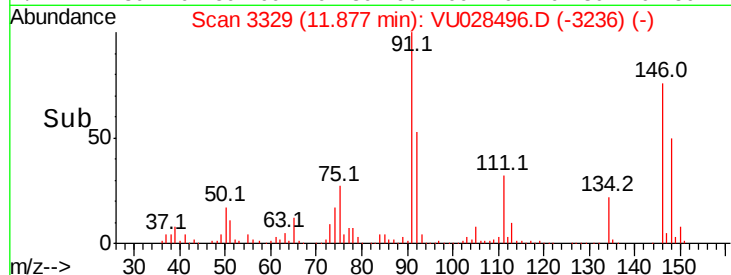
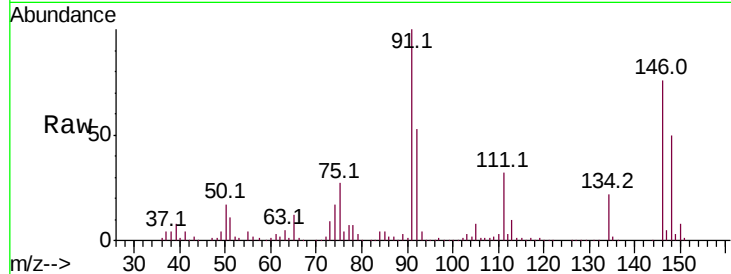
#91
 1,2-Dichlorobenzene
 Concen: 94.563 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC100

Tot Ion:	146	Resp:	297155
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.1	63.4
148	64.5	31.4	94.2

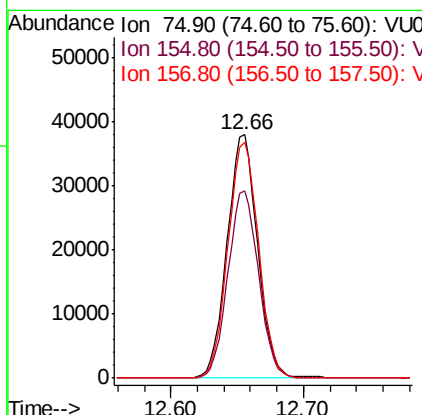
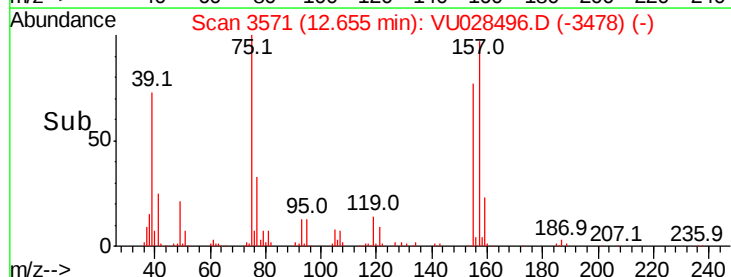
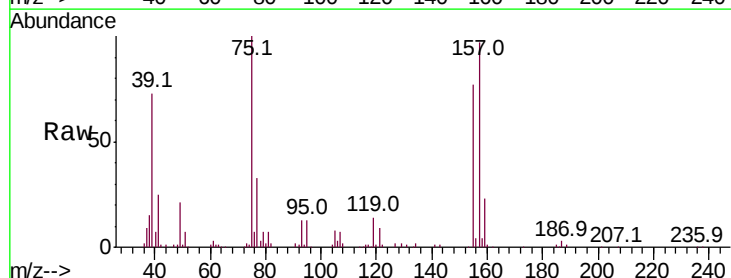
Manual Integrations
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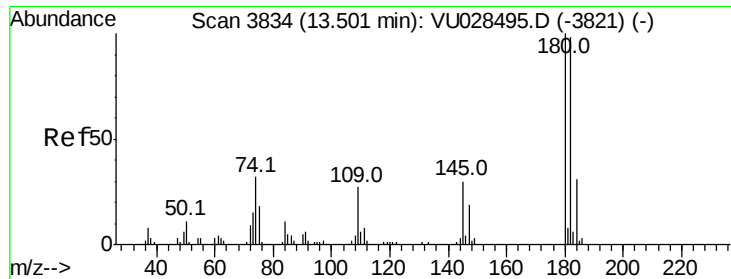
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.538 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028496.D
 Acq: 06 Dec 2018 12:56

Tgt Ion:	75	Resp:	60663
Ion Ratio	Lower	Upper	
75	100		
155	77.3	38.1	114.5
157	97.4	48.7	146.1





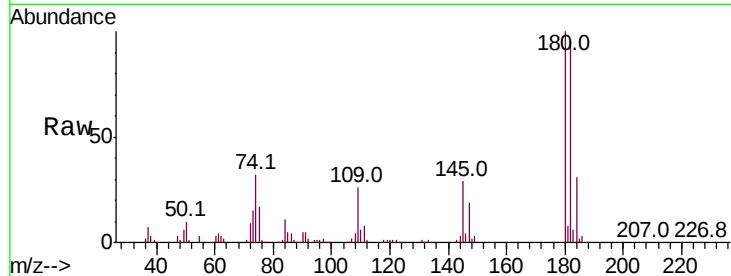
#93
1,2,4-Trichlorobenzene
Concen: 96.343 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	29.7	15.0	45.1

Manual Integrations
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MMDadoda
12/7/2018 10:35:01 AM

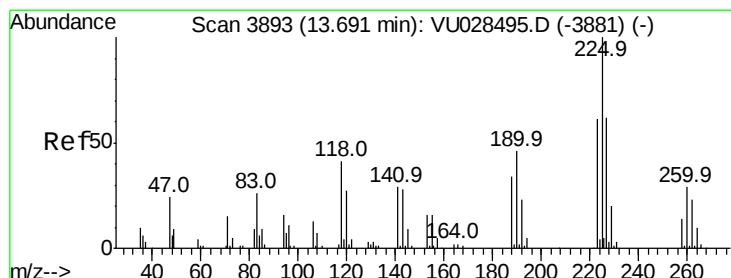
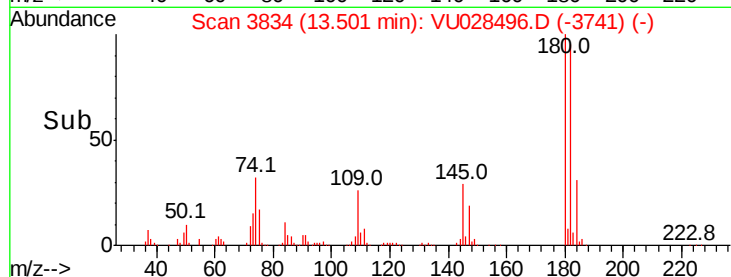
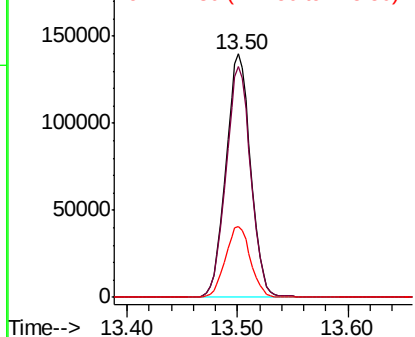


Abundance

Ion 179.80 (179.50 to 180.50): V

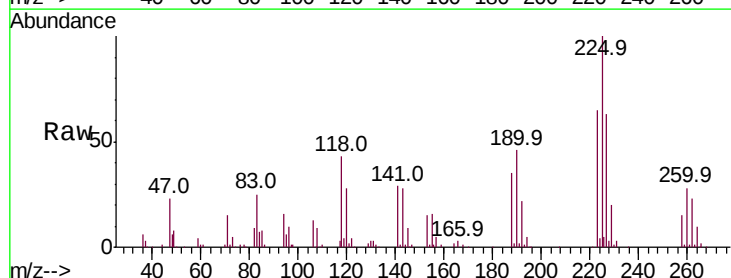
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 93.459 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	30.4	91.2
227	63.3	30.7	92.1

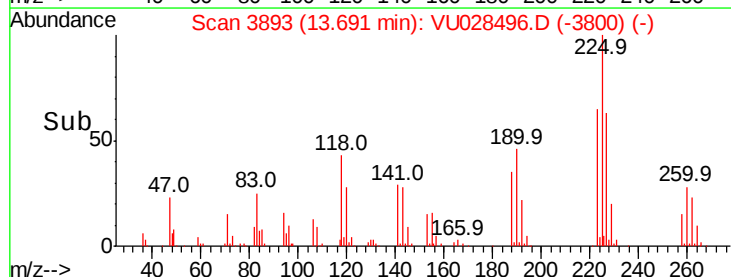
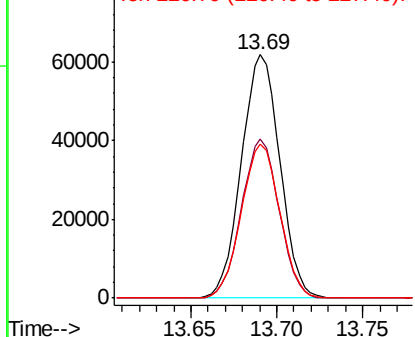


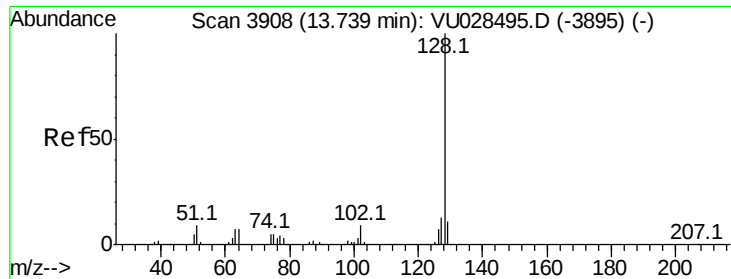
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





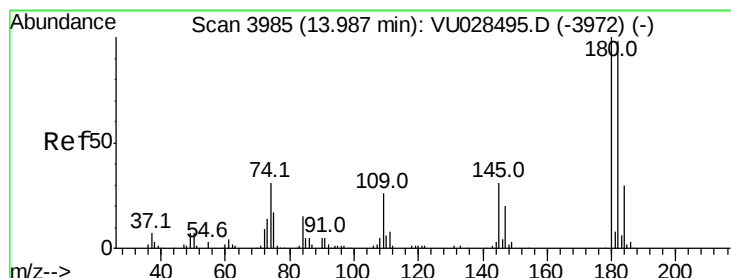
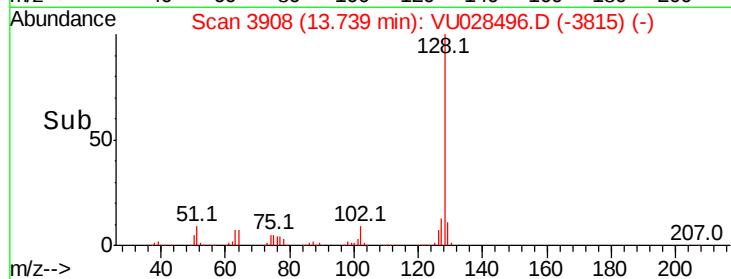
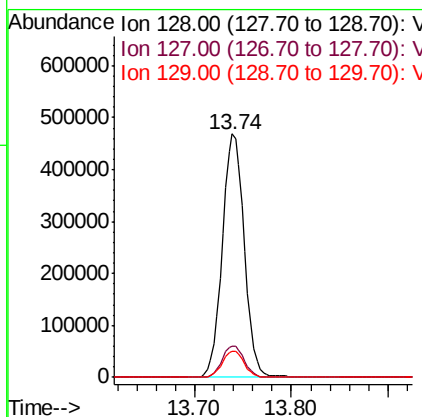
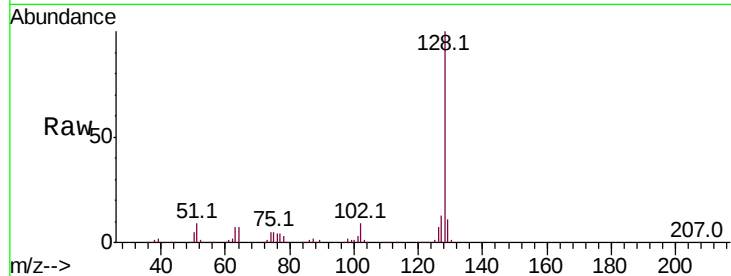
#95
Naphthalene
Concen: 97.837 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 94.644 ug/l
RT: 13.98 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VU028496.D
Acq: 06 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.2	144.6
145	31.3	15.8	47.3

